

# Appendix for Band 4

Report No.: BCTC2304548311-5E

Applicant: OAXIS ASIA PTE LTD

Product Name: myFirst Fone S3

Model/Type  
reference: KW1401

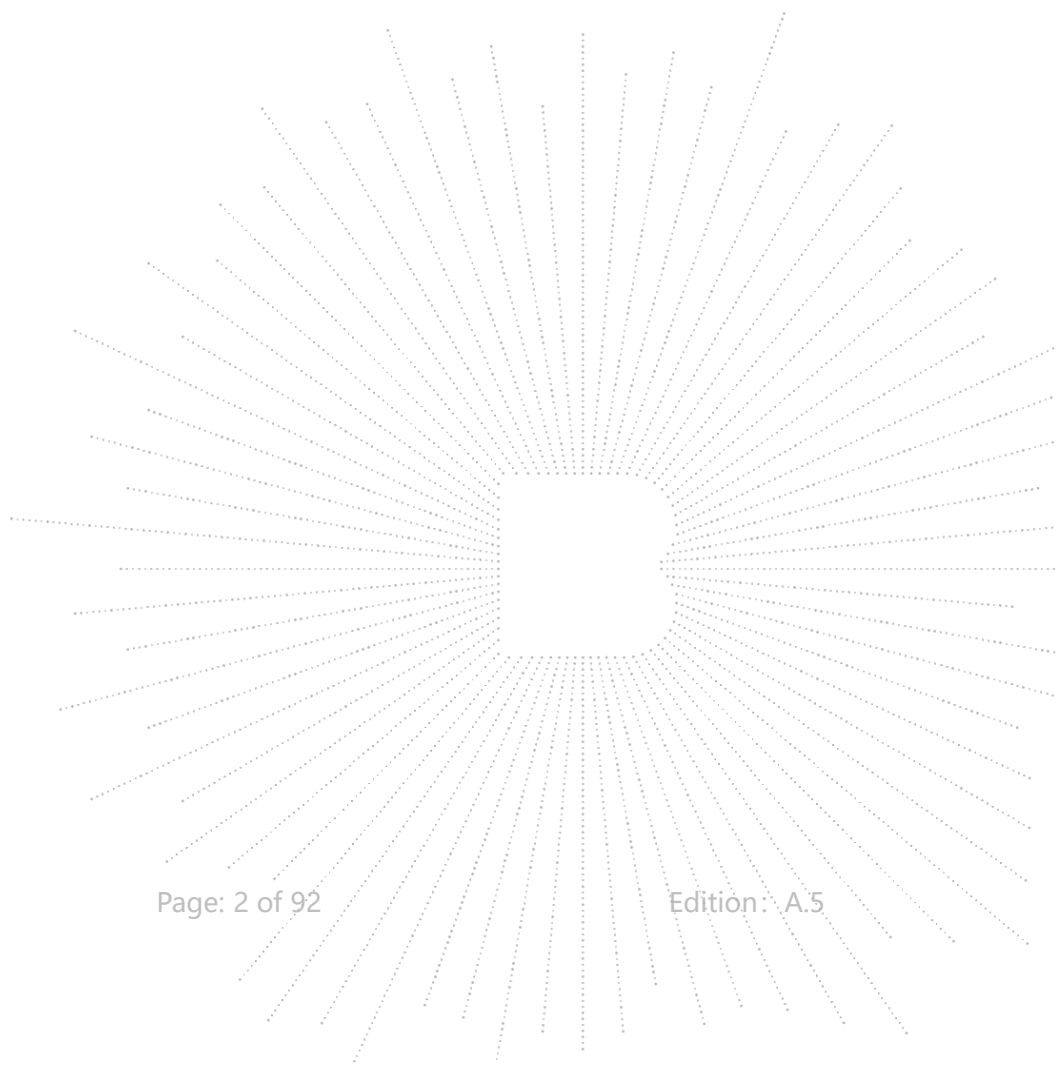
Tested Date: 2023-04-24 to 2023-05-15

Issued Date: 2023-05-15

**Shenzhen BCTC Testing Co., Ltd.**

## Contents

Appendix 1. Conducted output power .....	3
Appendix 2. Frequency stability.....	9
Appendix 3. Peak-to-Average Ratio .....	22
Appendix 4. Occupied bandwidth .....	42
Appendix 5. Band edge .....	61
Appendix 6. Out-of-band emissions .....	74



## Appendix 1. Conducted output power

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Power (dBm)	Gain (dBm)	EIRP (dBm)	Verdict
Band4	1.4	19957	1	#0	QPSK	23.28	-4.55	18.73	PASS
Band4	1.4	19957	1	#Mid	QPSK	23.23	-4.55	18.68	PASS
Band4	1.4	19957	1	#Max	QPSK	23.18	-4.55	18.63	PASS
Band4	1.4	19957	3	#0	QPSK	23.09	-4.55	18.54	PASS
Band4	1.4	19957	3	#Mid	QPSK	23.00	-4.55	18.45	PASS
Band4	1.4	19957	3	#Max	QPSK	23.07	-4.55	18.52	PASS
Band4	1.4	19957	6	#0	QPSK	22.07	-4.55	17.52	PASS
Band4	1.4	19957	1	#0	16QAM	23.11	-4.55	18.56	PASS
Band4	1.4	19957	1	#Mid	16QAM	23.06	-4.55	18.51	PASS
Band4	1.4	19957	1	#Max	16QAM	23.15	-4.55	18.60	PASS
Band4	1.4	19957	3	#0	16QAM	22.33	-4.55	17.78	PASS
Band4	1.4	19957	3	#Mid	16QAM	22.33	-4.55	17.78	PASS
Band4	1.4	19957	3	#Max	16QAM	22.28	-4.55	17.73	PASS
Band4	1.4	19957	6	#0	16QAM	21.17	-4.55	16.62	PASS
Band4	1.4	20175	1	#0	QPSK	22.69	-4.55	18.14	PASS
Band4	1.4	20175	1	#Mid	QPSK	22.63	-4.55	18.08	PASS
Band4	1.4	20175	1	#Max	QPSK	22.60	-4.55	18.05	PASS
Band4	1.4	20175	3	#0	QPSK	22.77	-4.55	18.22	PASS
Band4	1.4	20175	3	#Mid	QPSK	22.82	-4.55	18.27	PASS
Band4	1.4	20175	3	#Max	QPSK	22.72	-4.55	18.17	PASS
Band4	1.4	20175	6	#0	QPSK	21.67	-4.55	17.12	PASS
Band4	1.4	20175	1	#0	16QAM	22.21	-4.55	17.66	PASS
Band4	1.4	20175	1	#Mid	16QAM	22.13	-4.55	17.58	PASS
Band4	1.4	20175	1	#Max	16QAM	22.19	-4.55	17.64	PASS
Band4	1.4	20175	3	#0	16QAM	21.92	-4.55	17.37	PASS
Band4	1.4	20175	3	#Mid	16QAM	21.89	-4.55	17.34	PASS
Band4	1.4	20175	3	#Max	16QAM	21.91	-4.55	17.36	PASS
Band4	1.4	20175	6	#0	16QAM	20.78	-4.55	16.23	PASS
Band4	1.4	20393	1	#0	QPSK	22.47	-4.55	17.92	PASS
Band4	1.4	20393	1	#Mid	QPSK	22.43	-4.55	17.88	PASS
Band4	1.4	20393	1	#Max	QPSK	22.46	-4.55	17.91	PASS
Band4	1.4	20393	3	#0	QPSK	22.31	-4.55	17.76	PASS
Band4	1.4	20393	3	#Mid	QPSK	22.37	-4.55	17.82	PASS
Band4	1.4	20393	3	#Max	QPSK	22.33	-4.55	17.78	PASS
Band4	1.4	20393	6	#0	QPSK	21.31	-4.55	16.76	PASS
Band4	1.4	20393	1	#0	16QAM	21.83	-4.55	17.28	PASS
Band4	1.4	20393	1	#Mid	16QAM	21.75	-4.55	17.20	PASS
Band4	1.4	20393	1	#Max	16QAM	21.84	-4.55	17.29	PASS

Band4	1.4	20393	3	#0	16QAM	21.76	-4.55	17.21	PASS
Band4	1.4	20393	3	#Mid	16QAM	21.66	-4.55	17.11	PASS
Band4	1.4	20393	3	#Max	16QAM	21.62	-4.55	17.07	PASS
Band4	1.4	20393	6	#0	16QAM	20.51	-4.55	15.96	PASS
Band4	3	19965	1	#0	QPSK	22.91	-4.55	18.36	PASS
Band4	3	19965	1	#Mid	QPSK	22.93	-4.55	18.38	PASS
Band4	3	19965	1	#Max	QPSK	22.96	-4.55	18.41	PASS
Band4	3	19965	8	#0	QPSK	21.98	-4.55	17.43	PASS
Band4	3	19965	8	#Mid	QPSK	22.06	-4.55	17.51	PASS
Band4	3	19965	8	#Max	QPSK	22.08	-4.55	17.53	PASS
Band4	3	19965	15	#0	QPSK	22.02	-4.55	17.47	PASS
Band4	3	19965	1	#0	16QAM	23.18	-4.55	18.63	PASS
Band4	3	19965	1	#Mid	16QAM	23.18	-4.55	18.63	PASS
Band4	3	19965	1	#Max	16QAM	23.13	-4.55	18.58	PASS
Band4	3	19965	8	#0	16QAM	21.03	-4.55	16.48	PASS
Band4	3	19965	8	#Mid	16QAM	21.01	-4.55	16.46	PASS
Band4	3	19965	8	#Max	16QAM	21.03	-4.55	16.48	PASS
Band4	3	19965	15	#0	16QAM	21.22	-4.55	16.67	PASS
Band4	3	20175	1	#0	QPSK	22.62	-4.55	18.07	PASS
Band4	3	20175	1	#Mid	QPSK	22.61	-4.55	18.06	PASS
Band4	3	20175	1	#Max	QPSK	22.60	-4.55	18.05	PASS
Band4	3	20175	8	#0	QPSK	21.77	-4.55	17.22	PASS
Band4	3	20175	8	#Mid	QPSK	21.58	-4.55	17.03	PASS
Band4	3	20175	8	#Max	QPSK	21.72	-4.55	17.17	PASS
Band4	3	20175	15	#0	QPSK	21.66	-4.55	17.11	PASS
Band4	3	20175	1	#0	16QAM	22.19	-4.55	17.64	PASS
Band4	3	20175	1	#Mid	16QAM	22.15	-4.55	17.60	PASS
Band4	3	20175	1	#Max	16QAM	22.11	-4.55	17.56	PASS
Band4	3	20175	8	#0	16QAM	21.01	-4.55	16.46	PASS
Band4	3	20175	8	#Mid	16QAM	21.05	-4.55	16.50	PASS
Band4	3	20175	8	#Max	16QAM	20.97	-4.55	16.42	PASS
Band4	3	20175	15	#0	16QAM	20.85	-4.55	16.30	PASS
Band4	3	20385	1	#0	QPSK	22.43	-4.55	17.88	PASS
Band4	3	20385	1	#Mid	QPSK	22.48	-4.55	17.93	PASS
Band4	3	20385	1	#Max	QPSK	22.50	-4.55	17.95	PASS
Band4	3	20385	8	#0	QPSK	21.31	-4.55	16.76	PASS
Band4	3	20385	8	#Mid	QPSK	21.28	-4.55	16.73	PASS
Band4	3	20385	8	#Max	QPSK	21.28	-4.55	16.73	PASS
Band4	3	20385	15	#0	QPSK	21.37	-4.55	16.82	PASS
Band4	3	20385	1	#0	16QAM	21.76	-4.55	17.21	PASS
Band4	3	20385	1	#Mid	16QAM	21.85	-4.55	17.30	PASS
Band4	3	20385	1	#Max	16QAM	21.74	-4.55	17.19	PASS
Band4	3	20385	8	#0	16QAM	20.45	-4.55	15.90	PASS

Band4	3	20385	8	#Mid	16QAM	20.50	-4.55	15.95	PASS
Band4	3	20385	8	#Max	16QAM	20.49	-4.55	15.94	PASS
Band4	3	20385	15	#0	16QAM	20.41	-4.55	15.86	PASS
Band4	5	19975	1	#0	QPSK	22.83	-4.55	18.28	PASS
Band4	5	19975	1	#Mid	QPSK	22.89	-4.55	18.34	PASS
Band4	5	19975	1	#Max	QPSK	22.96	-4.55	18.41	PASS
Band4	5	19975	12	#0	QPSK	22.03	-4.55	17.48	PASS
Band4	5	19975	12	#Mid	QPSK	21.95	-4.55	17.40	PASS
Band4	5	19975	12	#Max	QPSK	21.98	-4.55	17.43	PASS
Band4	5	19975	25	#0	QPSK	22.04	-4.55	17.49	PASS
Band4	5	19975	1	#0	16QAM	22.37	-4.55	17.82	PASS
Band4	5	19975	1	#Mid	16QAM	22.37	-4.55	17.82	PASS
Band4	5	19975	1	#Max	16QAM	22.40	-4.55	17.85	PASS
Band4	5	19975	12	#0	16QAM	21.07	-4.55	16.52	PASS
Band4	5	19975	12	#Mid	16QAM	20.98	-4.55	16.43	PASS
Band4	5	19975	12	#Max	16QAM	21.08	-4.55	16.53	PASS
Band4	5	19975	25	#0	16QAM	21.17	-4.55	16.62	PASS
Band4	5	20175	1	#0	QPSK	22.85	-4.55	18.30	PASS
Band4	5	20175	1	#Mid	QPSK	22.78	-4.55	18.23	PASS
Band4	5	20175	1	#Max	QPSK	22.72	-4.55	18.17	PASS
Band4	5	20175	12	#0	QPSK	21.80	-4.55	17.25	PASS
Band4	5	20175	12	#Mid	QPSK	21.59	-4.55	17.04	PASS
Band4	5	20175	12	#Max	QPSK	21.71	-4.55	17.16	PASS
Band4	5	20175	25	#0	QPSK	21.68	-4.55	17.13	PASS
Band4	5	20175	1	#0	16QAM	21.53	-4.55	16.98	PASS
Band4	5	20175	1	#Mid	16QAM	21.44	-4.55	16.89	PASS
Band4	5	20175	1	#Max	16QAM	21.39	-4.55	16.84	PASS
Band4	5	20175	12	#0	16QAM	20.67	-4.55	16.12	PASS
Band4	5	20175	12	#Mid	16QAM	20.65	-4.55	16.10	PASS
Band4	5	20175	12	#Max	16QAM	20.67	-4.55	16.12	PASS
Band4	5	20175	25	#0	16QAM	20.84	-4.55	16.29	PASS
Band4	5	20375	1	#0	QPSK	22.14	-4.55	17.59	PASS
Band4	5	20375	1	#Mid	QPSK	22.08	-4.55	17.53	PASS
Band4	5	20375	1	#Max	QPSK	22.10	-4.55	17.55	PASS
Band4	5	20375	12	#0	QPSK	21.36	-4.55	16.81	PASS
Band4	5	20375	12	#Mid	QPSK	21.33	-4.55	16.78	PASS
Band4	5	20375	12	#Max	QPSK	21.29	-4.55	16.74	PASS
Band4	5	20375	25	#0	QPSK	21.33	-4.55	16.78	PASS
Band4	5	20375	1	#0	16QAM	21.58	-4.55	17.03	PASS
Band4	5	20375	1	#Mid	16QAM	21.54	-4.55	16.99	PASS
Band4	5	20375	1	#Max	16QAM	21.55	-4.55	17.00	PASS
Band4	5	20375	12	#0	16QAM	20.46	-4.55	15.91	PASS
Band4	5	20375	12	#Mid	16QAM	20.49	-4.55	15.94	PASS

Band4	5	20375	12	#Max	16QAM	20.44	-4.55	15.89	PASS
Band4	5	20375	25	#0	16QAM	20.43	-4.55	15.88	PASS
Band4	10	20000	1	#0	QPSK	22.94	-4.55	18.39	PASS
Band4	10	20000	1	#Mid	QPSK	22.90	-4.55	18.35	PASS
Band4	10	20000	1	#Max	QPSK	22.95	-4.55	18.40	PASS
Band4	10	20000	25	#0	QPSK	21.93	-4.55	17.38	PASS
Band4	10	20000	25	#Mid	QPSK	22.03	-4.55	17.48	PASS
Band4	10	20000	25	#Max	QPSK	22.01	-4.55	17.46	PASS
Band4	10	20000	50	#0	QPSK	22.06	-4.55	17.51	PASS
Band4	10	20000	1	#0	16QAM	23.13	-4.55	18.58	PASS
Band4	10	20000	1	#Mid	16QAM	23.14	-4.55	18.59	PASS
Band4	10	20000	1	#Max	16QAM	23.16	-4.55	18.61	PASS
Band4	10	20000	25	#0	16QAM	21.03	-4.55	16.48	PASS
Band4	10	20000	25	#Mid	16QAM	21.03	-4.55	16.48	PASS
Band4	10	20000	25	#Max	16QAM	21.11	-4.55	16.56	PASS
Band4	10	20000	50	#0	16QAM	21.14	-4.55	16.59	PASS
Band4	10	20175	1	#0	QPSK	22.91	-4.55	18.36	PASS
Band4	10	20175	1	#Mid	QPSK	22.75	-4.55	18.20	PASS
Band4	10	20175	1	#Max	QPSK	22.59	-4.55	18.04	PASS
Band4	10	20175	25	#0	QPSK	21.68	-4.55	17.13	PASS
Band4	10	20175	25	#Mid	QPSK	21.71	-4.55	17.16	PASS
Band4	10	20175	25	#Max	QPSK	21.68	-4.55	17.13	PASS
Band4	10	20175	50	#0	QPSK	21.69	-4.55	17.14	PASS
Band4	10	20175	1	#0	16QAM	22.04	-4.55	17.49	PASS
Band4	10	20175	1	#Mid	16QAM	21.89	-4.55	17.34	PASS
Band4	10	20175	1	#Max	16QAM	21.68	-4.55	17.13	PASS
Band4	10	20175	25	#0	16QAM	20.91	-4.55	16.36	PASS
Band4	10	20175	25	#Mid	16QAM	20.79	-4.55	16.24	PASS
Band4	10	20175	25	#Max	16QAM	20.77	-4.55	16.22	PASS
Band4	10	20175	50	#0	16QAM	20.89	-4.55	16.34	PASS
Band4	10	20350	1	#0	QPSK	22.34	-4.55	17.79	PASS
Band4	10	20350	1	#Mid	QPSK	22.32	-4.55	17.77	PASS
Band4	10	20350	1	#Max	QPSK	22.32	-4.55	17.77	PASS
Band4	10	20350	25	#0	QPSK	21.36	-4.55	16.81	PASS
Band4	10	20350	25	#Mid	QPSK	21.30	-4.55	16.75	PASS
Band4	10	20350	25	#Max	QPSK	21.37	-4.55	16.82	PASS
Band4	10	20350	50	#0	QPSK	21.29	-4.55	16.74	PASS
Band4	10	20350	1	#0	16QAM	21.22	-4.55	16.67	PASS
Band4	10	20350	1	#Mid	16QAM	21.20	-4.55	16.65	PASS
Band4	10	20350	1	#Max	16QAM	21.19	-4.55	16.64	PASS
Band4	10	20350	25	#0	16QAM	20.50	-4.55	15.95	PASS
Band4	10	20350	25	#Mid	16QAM	20.44	-4.55	15.89	PASS
Band4	10	20350	25	#Max	16QAM	20.45	-4.55	15.90	PASS

Band4	10	20350	50	#0	16QAM	20.42	-4.55	15.87	PASS
Band4	15	20025	1	#0	QPSK	22.97	-4.55	18.42	PASS
Band4	15	20025	1	#Mid	QPSK	22.96	-4.55	18.41	PASS
Band4	15	20025	1	#Max	QPSK	22.86	-4.55	18.31	PASS
Band4	15	20025	36	#0	QPSK	22.04	-4.55	17.49	PASS
Band4	15	20025	36	#Mid	QPSK	21.91	-4.55	17.36	PASS
Band4	15	20025	36	#Max	QPSK	21.99	-4.55	17.44	PASS
Band4	15	20025	75	#0	QPSK	22.01	-4.55	17.46	PASS
Band4	15	20025	1	#0	16QAM	23.18	-4.55	18.63	PASS
Band4	15	20025	1	#Mid	16QAM	23.16	-4.55	18.61	PASS
Band4	15	20025	1	#Max	16QAM	23.06	-4.55	18.51	PASS
Band4	15	20025	36	#0	16QAM	21.15	-4.55	16.60	PASS
Band4	15	20025	36	#Mid	16QAM	21.16	-4.55	16.61	PASS
Band4	15	20025	36	#Max	16QAM	21.11	-4.55	16.56	PASS
Band4	15	20025	75	#0	16QAM	21.18	-4.55	16.63	PASS
Band4	15	20175	1	#0	QPSK	22.93	-4.55	18.38	PASS
Band4	15	20175	1	#Mid	QPSK	22.72	-4.55	18.17	PASS
Band4	15	20175	1	#Max	QPSK	22.49	-4.55	17.94	PASS
Band4	15	20175	36	#0	QPSK	21.75	-4.55	17.20	PASS
Band4	15	20175	36	#Mid	QPSK	21.62	-4.55	17.07	PASS
Band4	15	20175	36	#Max	QPSK	21.63	-4.55	17.08	PASS
Band4	15	20175	75	#0	QPSK	21.59	-4.55	17.04	PASS
Band4	15	20175	1	#0	16QAM	22.08	-4.55	17.53	PASS
Band4	15	20175	1	#Mid	16QAM	21.83	-4.55	17.28	PASS
Band4	15	20175	1	#Max	16QAM	21.61	-4.55	17.06	PASS
Band4	15	20175	36	#0	16QAM	21.03	-4.55	16.48	PASS
Band4	15	20175	36	#Mid	16QAM	20.91	-4.55	16.36	PASS
Band4	15	20175	36	#Max	16QAM	20.82	-4.55	16.27	PASS
Band4	15	20175	75	#0	16QAM	20.83	-4.55	16.28	PASS
Band4	15	20325	1	#0	QPSK	22.48	-4.55	17.93	PASS
Band4	15	20325	1	#Mid	QPSK	22.35	-4.55	17.80	PASS
Band4	15	20325	1	#Max	QPSK	22.41	-4.55	17.86	PASS
Band4	15	20325	36	#0	QPSK	21.40	-4.55	16.85	PASS
Band4	15	20325	36	#Mid	QPSK	21.25	-4.55	16.70	PASS
Band4	15	20325	36	#Max	QPSK	21.35	-4.55	16.80	PASS
Band4	15	20325	75	#0	QPSK	21.37	-4.55	16.82	PASS
Band4	15	20325	1	#0	16QAM	21.50	-4.55	16.95	PASS
Band4	15	20325	1	#Mid	16QAM	21.45	-4.55	16.90	PASS
Band4	15	20325	1	#Max	16QAM	21.47	-4.55	16.92	PASS
Band4	15	20325	36	#0	16QAM	20.62	-4.55	16.07	PASS
Band4	15	20325	36	#Mid	16QAM	20.57	-4.55	16.02	PASS
Band4	15	20325	36	#Max	16QAM	20.57	-4.55	16.02	PASS
Band4	15	20325	75	#0	16QAM	20.48	-4.55	15.93	PASS



Band4	20	20050	1	#0	QPSK	22.95	-4.55	18.40	PASS
Band4	20	20050	1	#Mid	QPSK	23.01	-4.55	18.46	PASS
Band4	20	20050	1	#Max	QPSK	22.89	-4.55	18.34	PASS
Band4	20	20050	50	#0	QPSK	22.04	-4.55	17.49	PASS
Band4	20	20050	50	#Mid	QPSK	21.90	-4.55	17.35	PASS
Band4	20	20050	50	#Max	QPSK	21.89	-4.55	17.34	PASS
Band4	20	20050	100	#0	QPSK	22.04	-4.55	17.49	PASS
Band4	20	20050	1	#0	16QAM	22.42	-4.55	17.87	PASS
Band4	20	20050	1	#Mid	16QAM	22.40	-4.55	17.85	PASS
Band4	20	20050	1	#Max	16QAM	22.31	-4.55	17.76	PASS
Band4	20	20050	50	#0	16QAM	21.14	-4.55	16.59	PASS
Band4	20	20050	50	#Mid	16QAM	21.09	-4.55	16.54	PASS
Band4	20	20050	50	#Max	16QAM	21.13	-4.55	16.58	PASS
Band4	20	20050	100	#0	16QAM	21.09	-4.55	16.54	PASS
Band4	20	20175	1	#0	QPSK	23.13	-4.55	18.58	PASS
Band4	20	20175	1	#Mid	QPSK	22.82	-4.55	18.27	PASS
Band4	20	20175	1	#Max	QPSK	22.47	-4.55	17.92	PASS
Band4	20	20175	50	#0	QPSK	21.92	-4.55	17.37	PASS
Band4	20	20175	50	#Mid	QPSK	21.73	-4.55	17.18	PASS
Band4	20	20175	50	#Max	QPSK	21.52	-4.55	16.97	PASS
Band4	20	20175	100	#0	QPSK	21.68	-4.55	17.13	PASS
Band4	20	20175	1	#0	16QAM	22.21	-4.55	17.66	PASS
Band4	20	20175	1	#Mid	16QAM	21.97	-4.55	17.42	PASS
Band4	20	20175	1	#Max	16QAM	21.67	-4.55	17.12	PASS
Band4	20	20175	50	#0	16QAM	21.09	-4.55	16.54	PASS
Band4	20	20175	50	#Mid	16QAM	20.83	-4.55	16.28	PASS
Band4	20	20175	50	#Max	16QAM	20.76	-4.55	16.21	PASS
Band4	20	20175	100	#0	16QAM	20.78	-4.55	16.23	PASS
Band4	20	20300	1	#0	QPSK	22.58	-4.55	18.03	PASS
Band4	20	20300	1	#Mid	QPSK	22.31	-4.55	17.76	PASS
Band4	20	20300	1	#Max	QPSK	22.31	-4.55	17.76	PASS
Band4	20	20300	50	#0	QPSK	21.40	-4.55	16.85	PASS
Band4	20	20300	50	#Mid	QPSK	21.26	-4.55	16.71	PASS
Band4	20	20300	50	#Max	QPSK	21.34	-4.55	16.79	PASS
Band4	20	20300	100	#0	QPSK	21.27	-4.55	16.72	PASS
Band4	20	20300	1	#0	16QAM	22.20	-4.55	17.65	PASS
Band4	20	20300	1	#Mid	16QAM	21.97	-4.55	17.42	PASS
Band4	20	20300	1	#Max	16QAM	21.95	-4.55	17.40	PASS
Band4	20	20300	50	#0	16QAM	20.54	-4.55	15.99	PASS
Band4	20	20300	50	#Mid	16QAM	20.51	-4.55	15.96	PASS
Band4	20	20300	50	#Max	16QAM	20.49	-4.55	15.94	PASS
Band4	20	20300	100	#0	16QAM	20.46	-4.55	15.91	PASS



## Appendix 2. Frequency stability

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 4	1.4	19957	6	#0	QPSK	LV	NT	-9.47	-0.006	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	NT	-11.03	-0.006	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	HV	NT	-12.87	-0.008	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	LV	NT	-14.83	-0.009	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	NT	-15.98	-0.009	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	HV	NT	-16.78	-0.010	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	LV	NT	22.52	0.013	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	NT	21.84	0.013	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	HV	NT	21.40	0.012	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	LV	NT	21.34	0.012	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	NT	21.16	0.012	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	HV	NT	20.61	0.012	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	LV	NT	-2.57	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	NT	-3.59	-0.002	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	HV	NT	-4.75	-0.003	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	LV	NT	-6.35	-0.004	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	NT	-6.01	-0.003	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	HV	NT	-6.97	-0.004	-2.5	2.5	PASS
Band	3	19965	15	#0	QPSK	LV	NT	-16.9	-0.01	-2.5	2.5	PASS

4								8	0			
Band 4	3	19965	15	#0	QPSK	NV	NT	-17.71	-0.010	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	HV	NT	-17.17	-0.010	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	LV	NT	-15.82	-0.009	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	NT	-12.45	-0.007	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	HV	NT	-9.01	-0.005	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	LV	NT	16.28	0.009	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	NT	15.74	0.009	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	HV	NT	15.69	0.009	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	LV	NT	16.82	0.010	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	NT	18.91	0.011	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	HV	NT	21.13	0.012	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	LV	NT	18.84	0.011	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	NT	23.72	0.014	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	HV	NT	26.58	0.015	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	LV	NT	1.75	0.001	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	NT	0.17	0.000	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	HV	NT	5.46	0.003	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	LV	NT	-21.57	-0.013	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	NT	-18.25	-0.011	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	HV	NT	-14.45	-0.008	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	LV	NT	-9.81	-0.006	-2.5	2.5	PASS

Band 4	5	19975	25	#0	16QAM	NV	NT	-4.69	-0.00 3	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	HV	NT	-0.76	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	LV	NT	-33.3 2	-0.01 9	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	NT	-0.77	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	HV	NT	-0.97	-0.00 1	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	LV	NT	3.16	0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	NT	6.61	0.004	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	HV	NT	10.29	0.006	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	LV	NT	1.67	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	NT	4.66	0.003	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	HV	NT	7.60	0.004	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	LV	NT	10.10	0.006	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	NT	12.55	0.007	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	HV	NT	15.65	0.009	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	LV	NT	-14.5 3	-0.00 8	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	NT	-9.53	-0.00 6	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	HV	NT	-3.46	-0.00 2	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	LV	NT	5.06	0.003	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	NT	12.92	0.008	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	HV	NT	18.44	0.011	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	LV	NT	16.22	0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	NT	20.13	0.012	-2.5	2.5	PASS

4												
Band 4	10	20175	50	#0	QPSK	HV	NT	24.32	0.014	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	LV	NT	28.51	0.016	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	NT	32.19	0.019	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	HV	NT	34.30	0.020	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	LV	NT	-13.75	-0.008	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	NT	-13.59	-0.008	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	HV	NT	-12.56	-0.007	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	LV	NT	-11.34	-0.006	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	NT	-8.83	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	HV	NT	-7.30	-0.004	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	LV	NT	-15.06	-0.009	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	NT	-16.19	-0.009	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	HV	NT	-15.28	-0.009	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	LV	NT	-12.59	-0.007	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	NT	-11.00	-0.006	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	HV	NT	-7.04	-0.004	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	LV	NT	-17.52	-0.010	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	NT	-14.12	-0.008	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	HV	NT	-8.96	-0.005	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	LV	NT	-2.55	-0.001	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	NT	3.42	0.002	-2.5	2.5	PASS

Band 4	15	20175	75	#0	16QAM	HV	NT	7.11	0.004	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	LV	NT	-12.7 2	-0.00 7	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	NT	-12.2 7	-0.00 7	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	HV	NT	-12.1 9	-0.00 7	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	LV	NT	-9.77	-0.00 6	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	NT	-8.51	-0.00 5	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	HV	NT	-7.42	-0.00 4	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	LV	NT	-14.6 2	-0.00 9	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	NT	-11.90	-0.00 7	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	HV	NT	-5.68	-0.00 3	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	LV	NT	0.46	0.000	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	NT	7.47	0.004	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	HV	NT	13.65	0.008	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	LV	NT	-9.63	-0.00 6	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	NT	-12.6 6	-0.00 7	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	HV	NT	-9.67	-0.00 6	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	LV	NT	-6.75	-0.00 4	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	NT	-2.59	-0.00 1	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	HV	NT	-0.37	0.000	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	LV	NT	-32.2 9	-0.01 9	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	NT	-33.8 7	-0.01 9	-2.5	2.5	PASS
Band	20	20300	100	#0	QPSK	HV	NT	-34.1	-0.02	-2.5	2.5	PASS

4								0	0			
Band 4	20	20300	100	#0	16QAM	LV	NT	-33.97	-0.019	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	NT	-33.69	-0.019	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	HV	NT	-34.69	-0.020	-2.5	2.5	PASS

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Voltage (Vdc)	Temperature (C)	Result (Hz)	Result (ppm)	Low Limit (ppm)	High Limit (ppm)	Verdict
Band 4	1.4	19957	6	#0	QPSK	NV	-30	1.75	0.001	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	-20	6.25	0.004	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	0	9.26	0.005	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	10	13.50	0.008	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	QPSK	NV	20	18.75	0.011	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-30	23.06	0.013	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	-20	28.17	0.016	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	0	31.04	0.018	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	10	36.78	0.021	-2.5	2.5	PASS
Band 4	1.4	19957	6	#0	16QAM	NV	20	2.27	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-30	1.14	0.001	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	-20	4.48	0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	0	6.02	0.003	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	10	8.74	0.005	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	QPSK	NV	20	11.20	0.006	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	-30	12.93	0.007	-2.5	2.5	PASS



4												
Band 4	1.4	20175	6	#0	16QAM	NV	-20	14.63	0.008	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	0	15.66	0.009	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	10	18.04	0.010	-2.5	2.5	PASS
Band 4	1.4	20175	6	#0	16QAM	NV	20	19.88	0.011	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-30	-1.73	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	-20	-1.27	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	0	-1.89	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	10	-1.73	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	QPSK	NV	20	-1.86	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-30	-1.23	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	-20	-0.64	0.000	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	0	-1.95	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	10	-1.20	-0.001	-2.5	2.5	PASS
Band 4	1.4	20393	6	#0	16QAM	NV	20	-0.84	0.000	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-30	-5.71	-0.003	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	-20	-8.54	-0.005	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	0	-9.78	-0.006	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	10	-12.1	-0.007	-2.5	2.5	PASS
Band 4	3	19965	15	#0	QPSK	NV	20	-12.8	-0.008	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-30	-13.6	-0.008	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	-20	-14.6	-0.009	-2.5	2.5	PASS

Band 4	3	19965	15	#0	16QAM	NV	0	-15.0 5	-0.00 9	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	10	-15.0 6	-0.00 9	-2.5	2.5	PASS
Band 4	3	19965	15	#0	16QAM	NV	20	-15.5 5	-0.00 9	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-30	-6.65	-0.00 4	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	-20	-8.30	-0.00 5	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	0	-8.65	-0.00 5	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	10	-9.86	-0.00 6	-2.5	2.5	PASS
Band 4	3	20175	15	#0	QPSK	NV	20	-10.6 6	-0.00 6	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-30	-11.12	-0.00 6	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	-20	-12.0 0	-0.00 7	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	0	-12.6 5	-0.00 7	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	10	-12.7 7	-0.00 7	-2.5	2.5	PASS
Band 4	3	20175	15	#0	16QAM	NV	20	-14.0 6	-0.00 8	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-30	-18.5 8	-0.011	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	-20	-19.8 4	-0.011	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	0	-22.0 6	-0.01 3	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	10	-24.2 5	-0.01 4	-2.5	2.5	PASS
Band 4	3	20385	15	#0	QPSK	NV	20	-26.1 6	-0.01 5	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-30	-26.9 4	-0.01 5	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	-20	-27.8 2	-0.01 6	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	0	-27.4 1	-0.01 6	-2.5	2.5	PASS
Band 4	3	20385	15	#0	16QAM	NV	10	-29.0	-0.01	-2.5	2.5	PASS

4								1	7			
Band 4	3	20385	15	#0	16QAM	NV	20	-30.0 1	-0.01 7	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-30	-5.21	-0.00 3	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	-20	-8.27	-0.00 5	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	0	-11.50	-0.00 7	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	10	-14.4 2	-0.00 8	-2.5	2.5	PASS
Band 4	5	19975	25	#0	QPSK	NV	20	-15.7 5	-0.00 9	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-30	-18.2 1	-0.011	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	-20	-19.4 0	-0.011	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	0	-20.9 3	-0.01 2	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	10	-22.0 4	-0.01 3	-2.5	2.5	PASS
Band 4	5	19975	25	#0	16QAM	NV	20	-22.4 4	-0.01 3	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-30	-6.67	-0.00 4	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	-20	-8.44	-0.00 5	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	0	-9.91	-0.00 6	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	10	-10.5 9	-0.00 6	-2.5	2.5	PASS
Band 4	5	20175	25	#0	QPSK	NV	20	-12.5 5	-0.00 7	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-30	-13.4 8	-0.00 8	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	-20	3.18	0.002	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	0	0.63	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	10	-0.56	0.000	-2.5	2.5	PASS
Band 4	5	20175	25	#0	16QAM	NV	20	-2.23	-0.00 1	-2.5	2.5	PASS

Band 4	5	20375	25	#0	QPSK	NV	-30	2.12	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	-20	1.30	0.001	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	0	0.47	0.000	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	10	-0.97	-0.00 1	-2.5	2.5	PASS
Band 4	5	20375	25	#0	QPSK	NV	20	-3.28	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-30	-3.52	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	-20	-3.42	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	0	-4.36	-0.00 2	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	10	-4.99	-0.00 3	-2.5	2.5	PASS
Band 4	5	20375	25	#0	16QAM	NV	20	-5.36	-0.00 3	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-30	1.95	0.001	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	-20	-2.79	-0.00 2	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	0	-5.08	-0.00 3	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	10	-7.55	-0.00 4	-2.5	2.5	PASS
Band 4	10	20000	50	#0	QPSK	NV	20	-9.58	-0.00 6	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	-30	-10.3 7	-0.00 6	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	-20	-12.0 0	-0.00 7	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	0	-12.8 5	-0.00 7	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	10	-13.6 3	-0.00 8	-2.5	2.5	PASS
Band 4	10	20000	50	#0	16QAM	NV	20	-14.0 6	-0.00 8	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	-30	-8.28	-0.00 5	-2.5	2.5	PASS
Band	10	20175	50	#0	QPSK	NV	-20	-9.68	-0.00	-2.5	2.5	PASS

4								6				
Band 4	10	20175	50	#0	QPSK	NV	0	-10.93	-0.006	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	10	-12.70	-0.007	-2.5	2.5	PASS
Band 4	10	20175	50	#0	QPSK	NV	20	-13.09	-0.008	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	-30	-14.96	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	-20	-15.58	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	0	-15.68	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	10	-16.39	-0.009	-2.5	2.5	PASS
Band 4	10	20175	50	#0	16QAM	NV	20	-17.81	-0.010	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-30	0.87	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	-20	-0.79	0.000	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	0	-2.95	-0.002	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	10	-4.95	-0.003	-2.5	2.5	PASS
Band 4	10	20350	50	#0	QPSK	NV	20	-6.90	-0.004	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	-30	-8.20	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	-20	-9.03	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	0	-9.31	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	10	-9.61	-0.005	-2.5	2.5	PASS
Band 4	10	20350	50	#0	16QAM	NV	20	-10.79	-0.006	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-30	-6.61	-0.004	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	-20	-11.74	-0.007	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	0	-14.49	-0.008	-2.5	2.5	PASS

Band 4	15	20025	75	#0	QPSK	NV	10	-16.9 9	-0.01 0	-2.5	2.5	PASS
Band 4	15	20025	75	#0	QPSK	NV	20	-17.6 5	-0.01 0	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	-30	-19.1 7	-0.011	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	-20	-20.3 1	-0.01 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	0	-20.5 1	-0.01 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	10	-21.3 0	-0.01 2	-2.5	2.5	PASS
Band 4	15	20025	75	#0	16QAM	NV	20	-22.0 0	-0.01 3	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-30	0.06	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	-20	-1.46	-0.00 1	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	0	-3.12	-0.00 2	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	10	-4.91	-0.00 3	-2.5	2.5	PASS
Band 4	15	20175	75	#0	QPSK	NV	20	-6.65	-0.00 4	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	-30	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	-20	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	0	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	10	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20175	75	#0	16QAM	NV	20	0.00	0.000	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-30	-1.30	-0.00 1	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	-20	-7.44	-0.00 4	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	0	-10.6 6	-0.00 6	-2.5	2.5	PASS
Band 4	15	20325	75	#0	QPSK	NV	10	-12.2 6	-0.00 7	-2.5	2.5	PASS
Band	15	20325	75	#0	QPSK	NV	20	-14.5	-0.00	-2.5	2.5	PASS



4								2	8			
Band 4	15	20325	75	#0	16QAM	NV	-30	-5.95	-0.003	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	-20	-12.55	-0.007	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	0	-15.72	-0.009	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	10	-18.88	-0.011	-2.5	2.5	PASS
Band 4	15	20325	75	#0	16QAM	NV	20	-20.60	-0.012	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-30	-10.91	-0.006	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	-20	-15.34	-0.009	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	0	-19.64	-0.011	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	10	-22.70	-0.013	-2.5	2.5	PASS
Band 4	20	20050	100	#0	QPSK	NV	20	-23.79	-0.014	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	-30	-25.96	-0.015	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	-20	-27.25	-0.016	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	0	-27.48	-0.016	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	10	-28.82	-0.017	-2.5	2.5	PASS
Band 4	20	20050	100	#0	16QAM	NV	20	-30.51	-0.018	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-30	-7.08	-0.004	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	-20	-9.81	-0.006	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	0	-11.87	-0.007	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	10	-14.13	-0.008	-2.5	2.5	PASS
Band 4	20	20175	100	#0	QPSK	NV	20	-16.19	-0.009	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	-30	-17.44	-0.010	-2.5	2.5	PASS

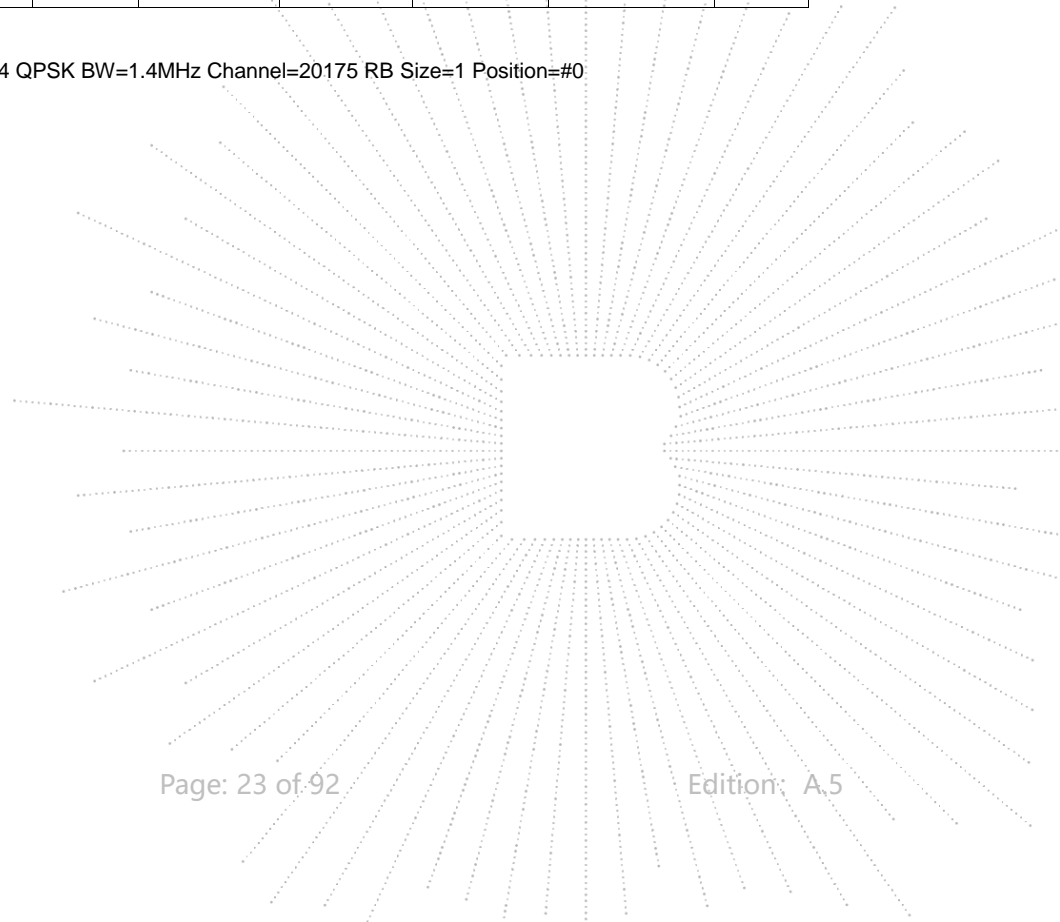
Band 4	20	20175	100	#0	16QAM	NV	-20	-17.7 0	-0.01 0	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	0	-18.4 2	-0.011	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	10	-18.9 7	-0.011	-2.5	2.5	PASS
Band 4	20	20175	100	#0	16QAM	NV	20	-20.8 4	-0.01 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-30	-9.50	-0.00 5	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	-20	-12.7 7	-0.00 7	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	0	-14.9 6	-0.00 9	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	10	-16.6 7	-0.01 0	-2.5	2.5	PASS
Band 4	20	20300	100	#0	QPSK	NV	20	-18.0 8	-0.01 0	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	-30	-20.0 0	-0.011	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	-20	-20.9 1	-0.01 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	0	-21.6 2	-0.01 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	10	-20.8 6	-0.01 2	-2.5	2.5	PASS
Band 4	20	20300	100	#0	16QAM	NV	20	-21.6 7	-0.01 2	-2.5	2.5	PASS

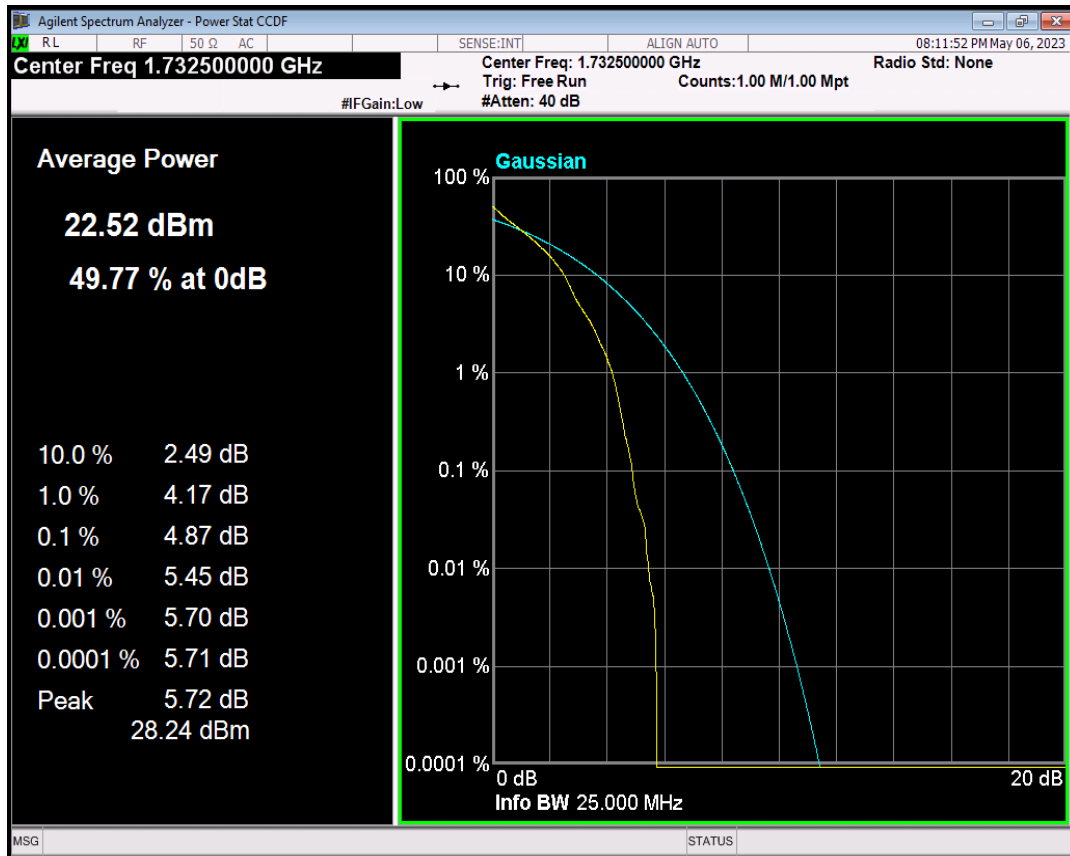
### Appendix 3. Peak-to-Average Ratio

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Result (dB)	high Limit (dB)	Verdict
Band4	1.4	19957	1	#0	QPSK	4.90	13	PASS
Band4	1.4	19957	1	#0	16QAM	5.66	13	PASS
Band4	1.4	20175	1	#0	QPSK	4.87	13	PASS
Band4	1.4	20175	1	#0	16QAM	5.19	13	PASS
Band4	1.4	20393	1	#0	QPSK	3.95	13	PASS
Band4	1.4	20393	1	#0	16QAM	4.68	13	PASS
Band4	3	19965	1	#0	QPSK	4.91	13	PASS
Band4	3	19965	1	#0	16QAM	5.91	13	PASS
Band4	3	20175	1	#0	QPSK	4.82	13	PASS
Band4	3	20175	1	#0	16QAM	5.21	13	PASS

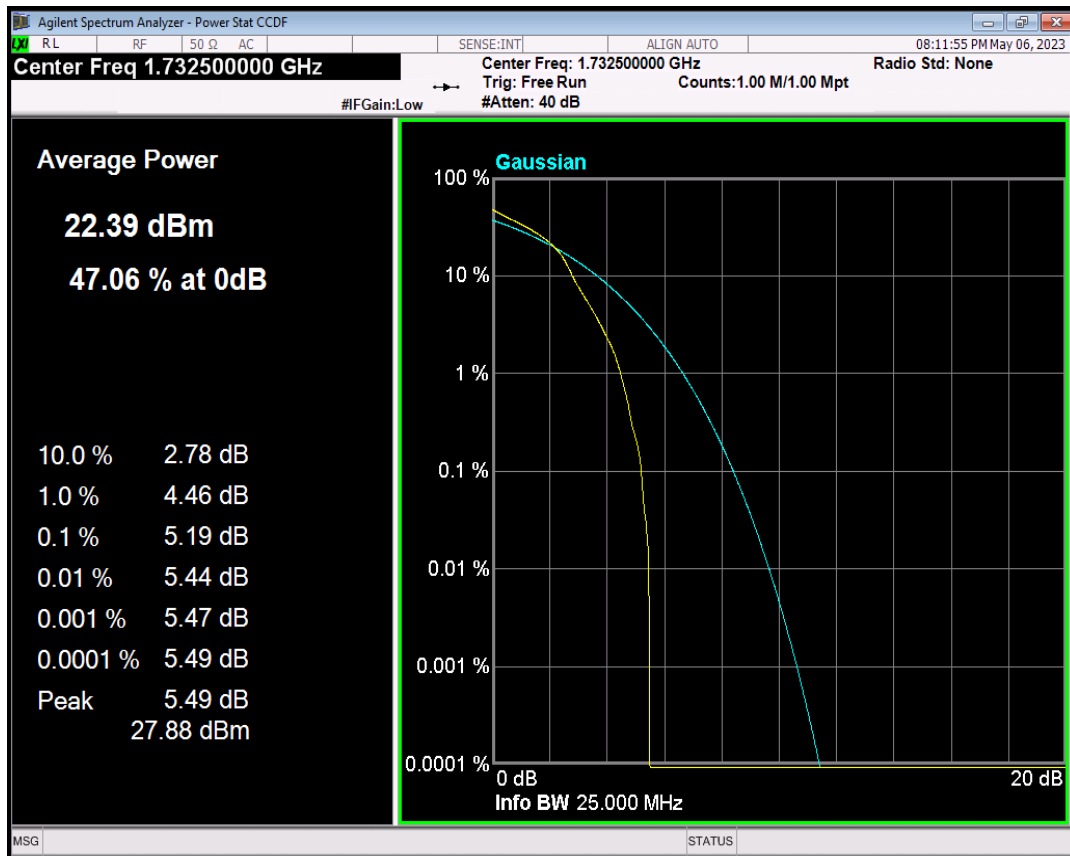
Band4	3	20385	1	#0	QPSK	3.98	13	PASS
Band4	3	20385	1	#0	16QAM	4.75	13	PASS
Band4	5	19975	1	#0	QPSK	5.21	13	PASS
Band4	5	19975	1	#0	16QAM	5.62	13	PASS
Band4	5	20175	1	#0	QPSK	4.58	13	PASS
Band4	5	20175	1	#0	16QAM	5.36	13	PASS
Band4	5	20375	1	#0	QPSK	4.47	13	PASS
Band4	5	20375	1	#0	16QAM	5.15	13	PASS
Band4	10	20000	1	#0	QPSK	4.91	13	PASS
Band4	10	20000	1	#0	16QAM	5.79	13	PASS
Band4	10	20175	1	#0	QPSK	4.66	13	PASS
Band4	10	20175	1	#0	16QAM	5.58	13	PASS
Band4	10	20350	1	#0	QPSK	4.83	13	PASS
Band4	10	20350	1	#0	16QAM	5.49	13	PASS
Band4	15	20025	1	#0	QPSK	4.89	13	PASS
Band4	15	20025	1	#0	16QAM	5.69	13	PASS
Band4	15	20175	1	#0	QPSK	4.46	13	PASS
Band4	15	20175	1	#0	16QAM	5.34	13	PASS
Band4	15	20325	1	#0	QPSK	4.97	13	PASS
Band4	15	20325	1	#0	16QAM	5.71	13	PASS
Band4	20	20050	1	#0	QPSK	4.66	13	PASS
Band4	20	20050	1	#0	16QAM	5.24	13	PASS
Band4	20	20175	1	#0	QPSK	4.03	13	PASS
Band4	20	20175	1	#0	16QAM	5.08	13	PASS
Band4	20	20300	1	#0	QPSK	4.79	13	PASS
Band4	20	20300	1	#0	16QAM	5.58	13	PASS

Band4 QPSK BW=1.4MHz Channel=20175 RB Size=1 Position=#0

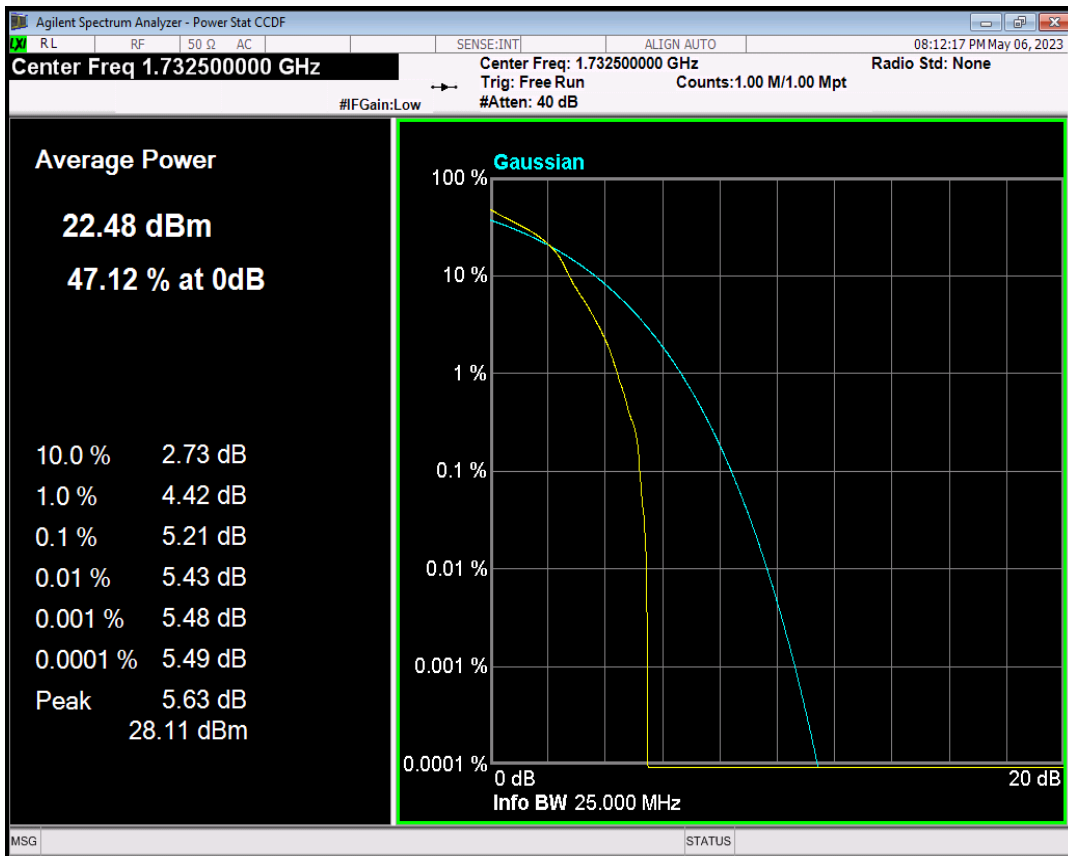
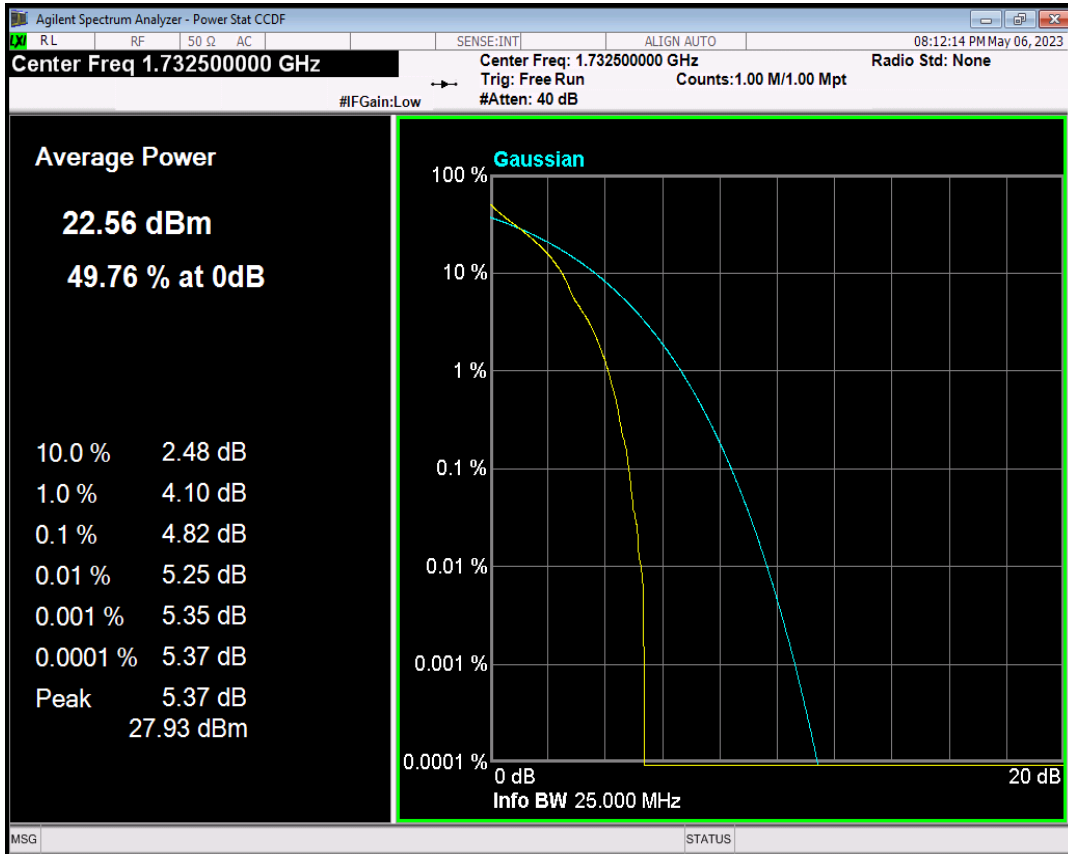


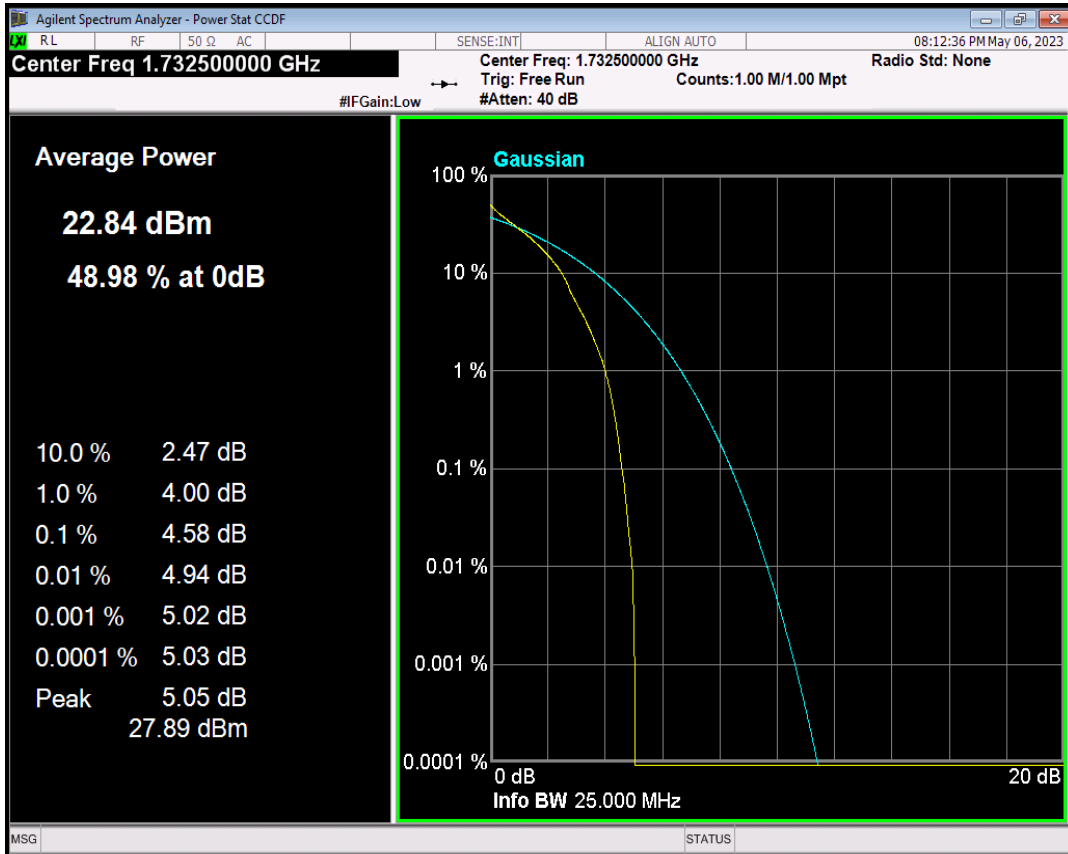


Band4 16QAM BW=1.4MHz Channel=20175 RB Size=1 Position=#0

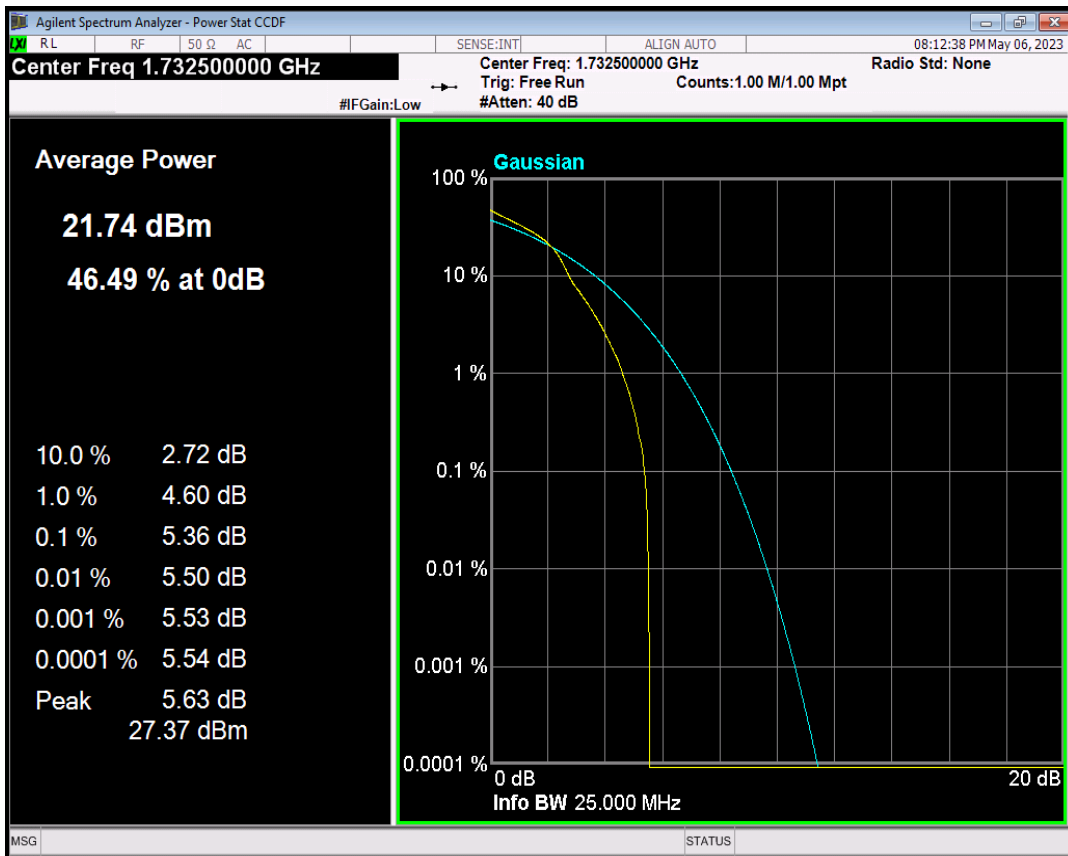


Band4 QPSK BW=3MHz Channel=20175 RB Size=1 Position=#0



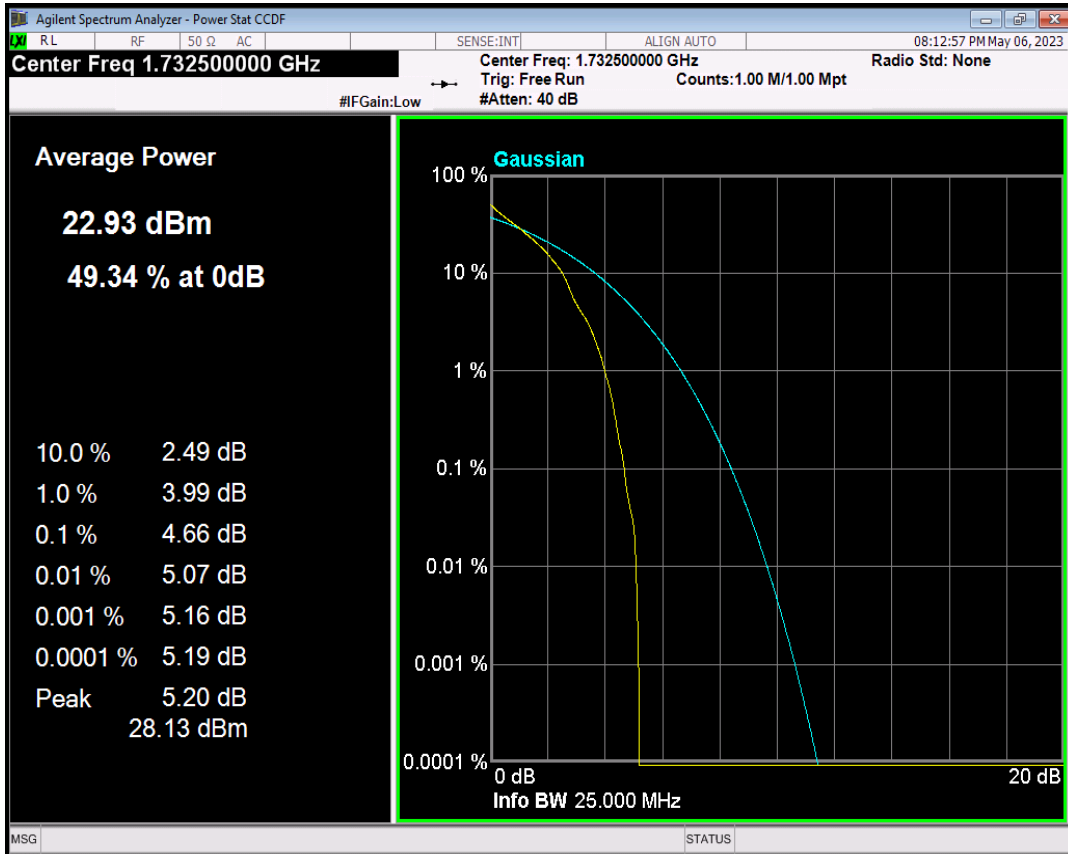


Band4 16QAM BW=5MHz Channel=20175 RB Size=1 Position=#0

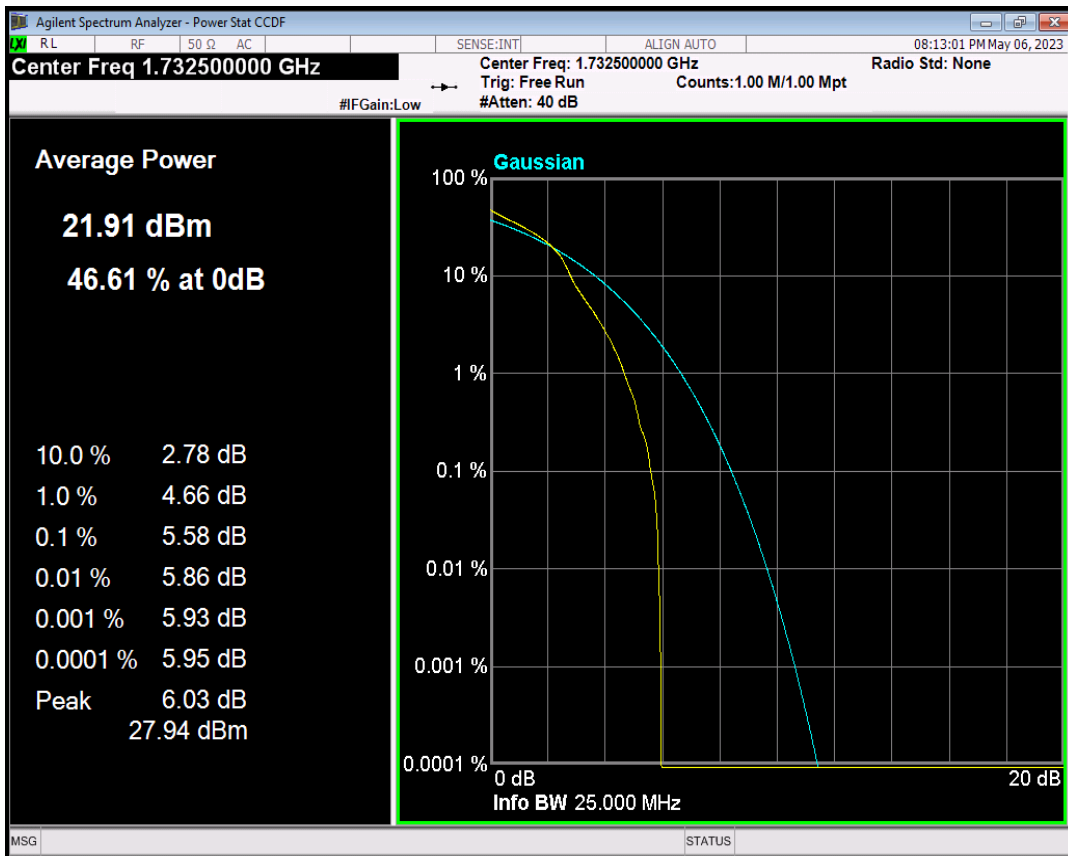


Band4 QPSK BW=10MHz Channel=20175 RB Size=1 Position=#0

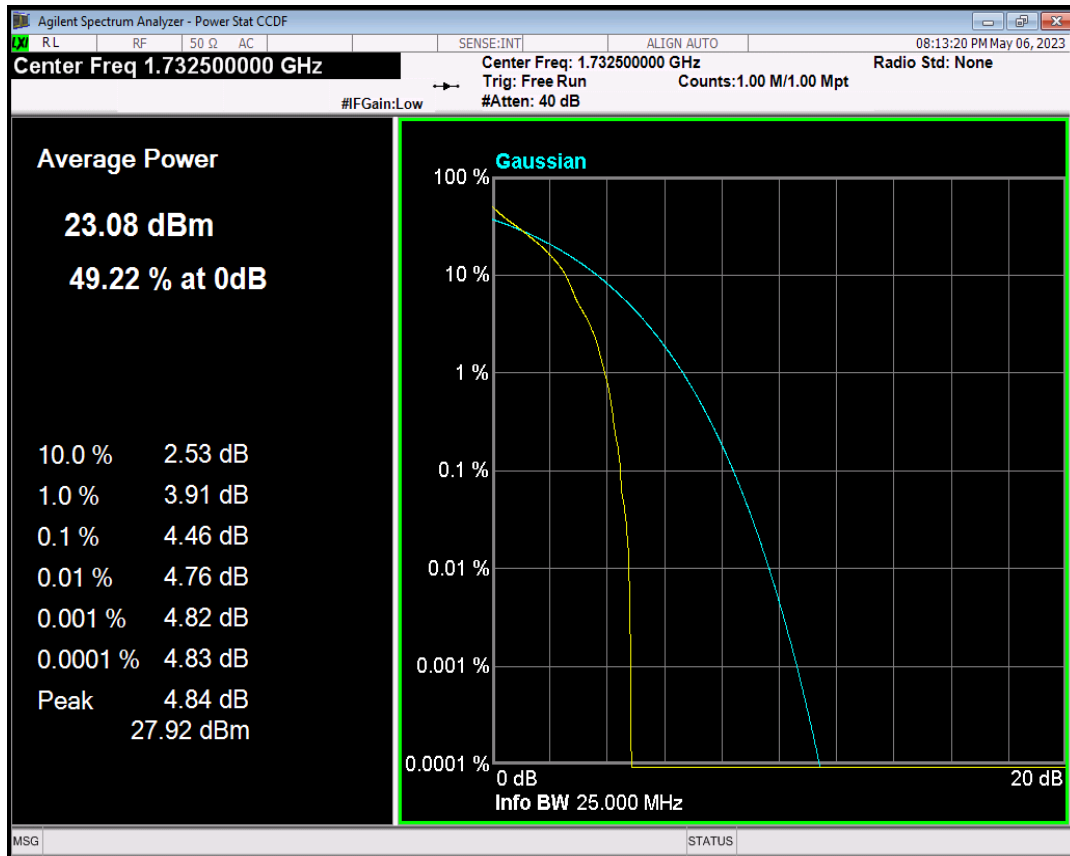




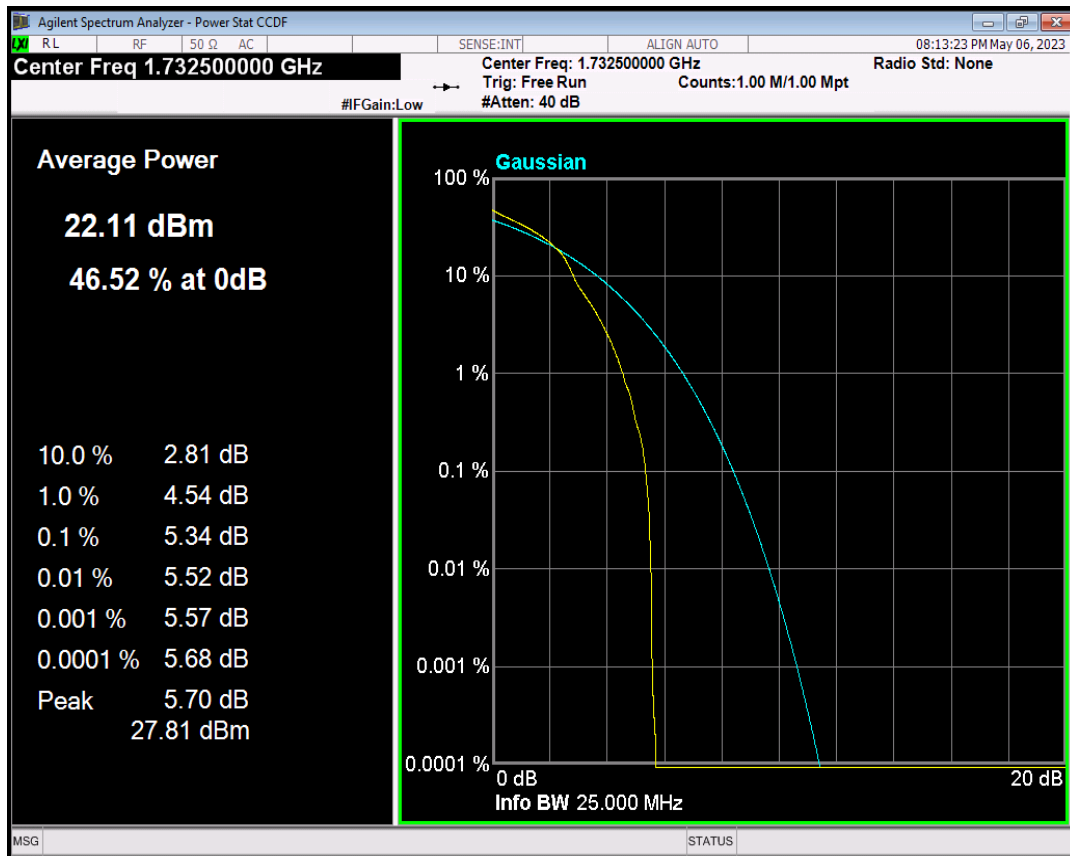
Band4 16QAM BW=10MHz Channel=20175 RB Size=1 Position=#0



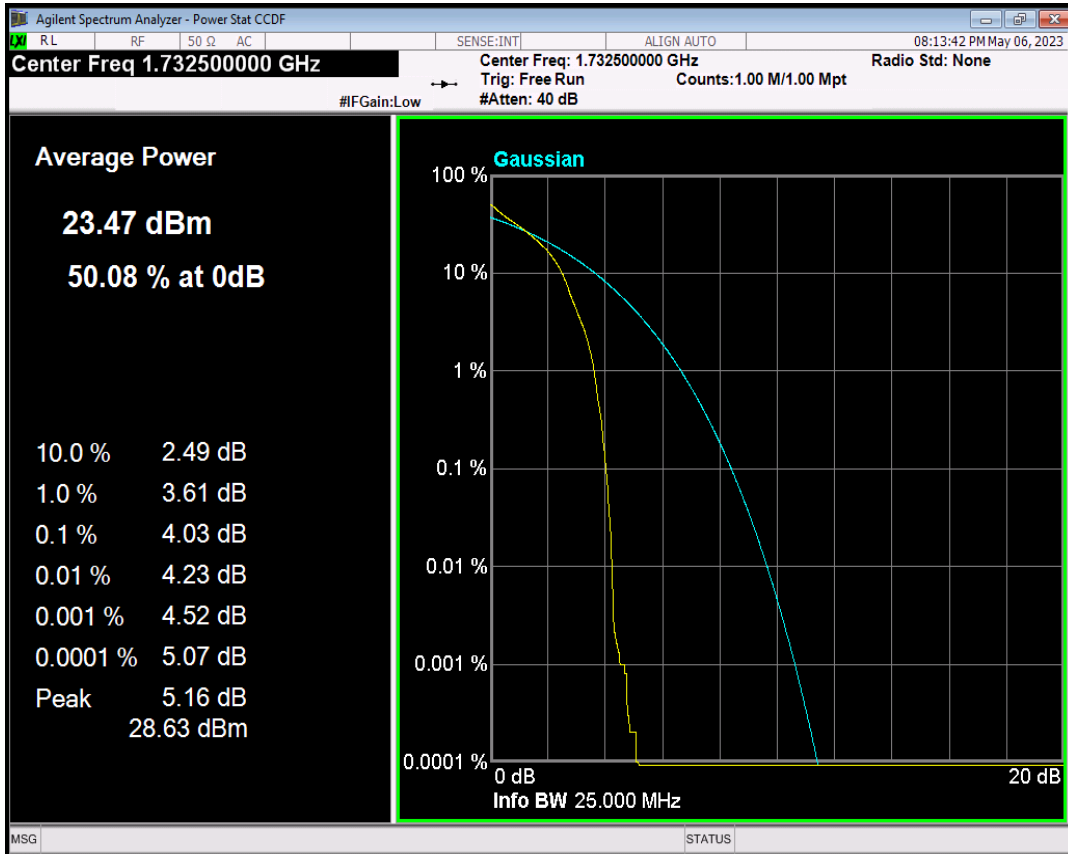
Band4 QPSK BW=15MHz Channel=20175 RB Size=1 Position=#0



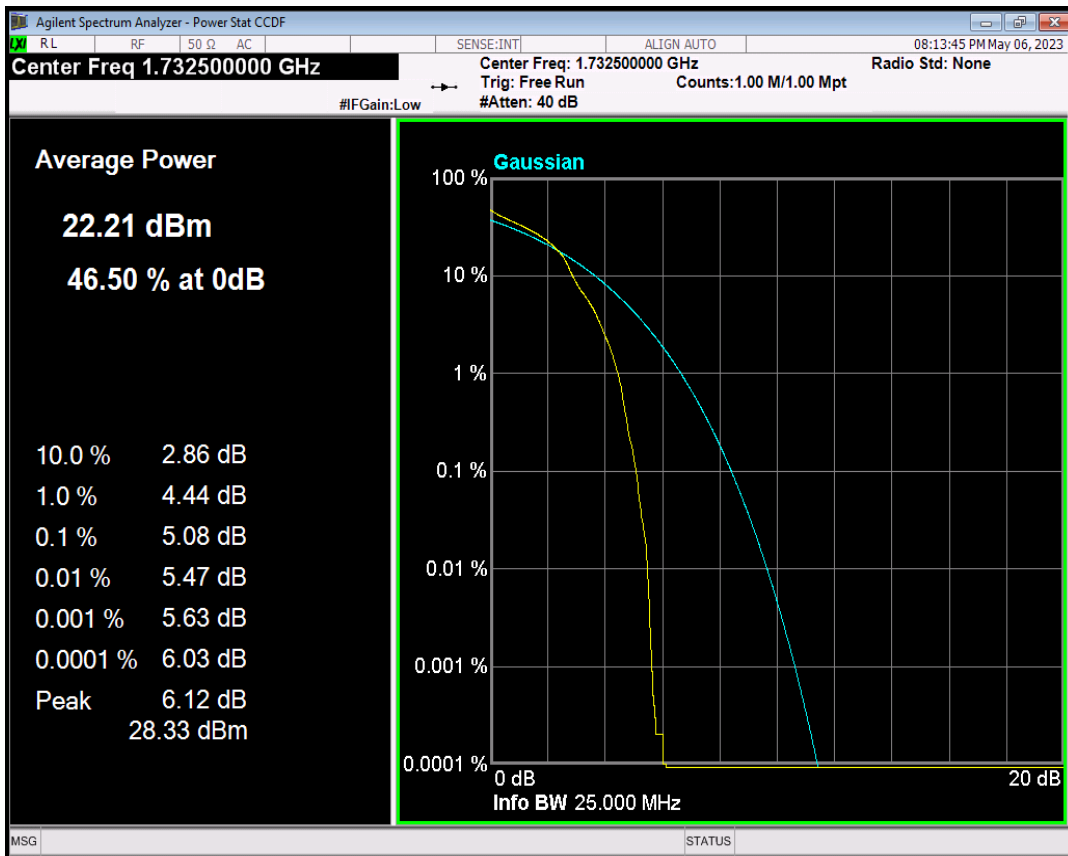
Band4 16QAM BW=15MHz Channel=20175 RB Size=1 Position=#0



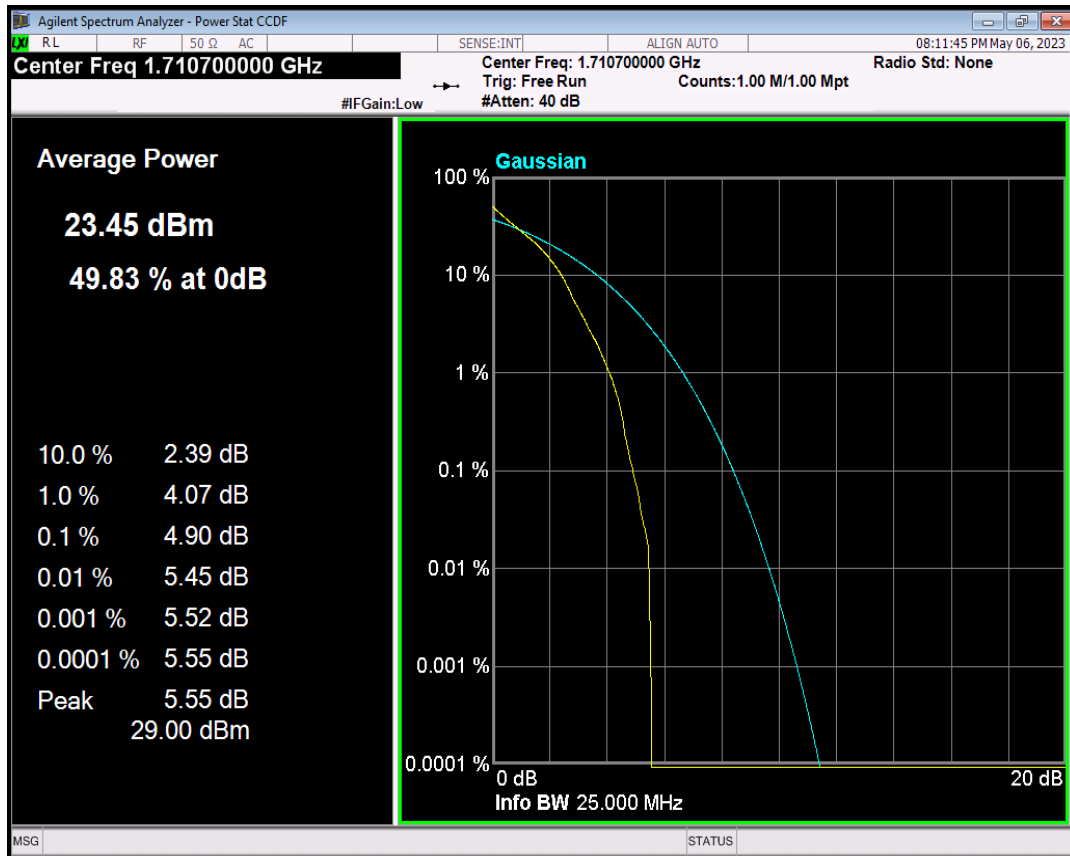
Band4 QPSK BW=20MHz Channel=20175 RB Size=1 Position=#0



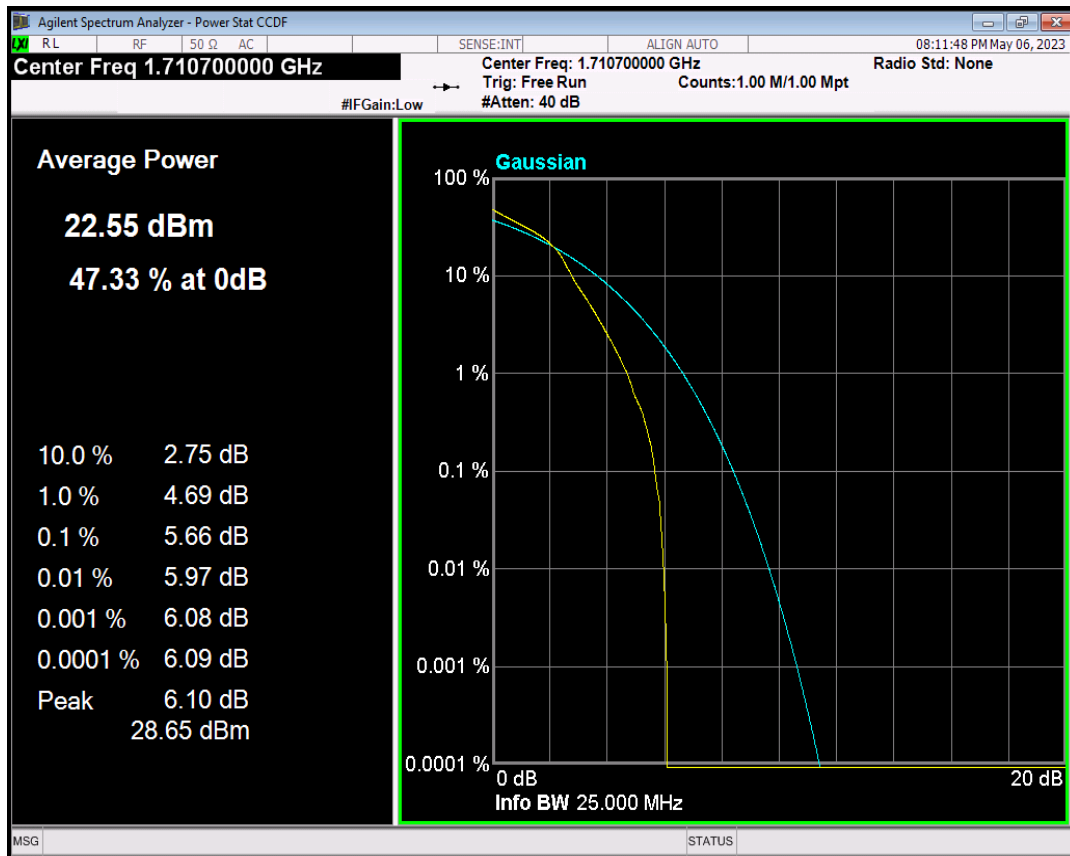
Band4 16QAM BW=20MHz Channel=20175 RB Size=1 Position=#0



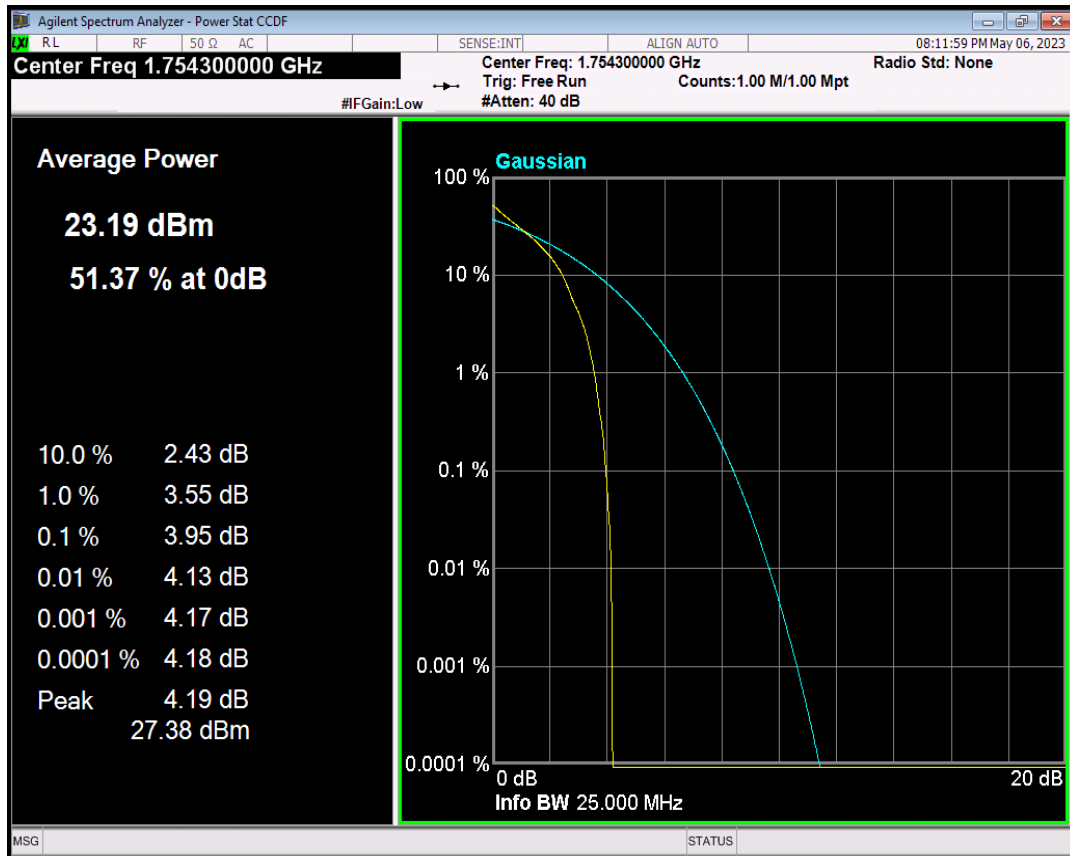
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=1 Position=#0



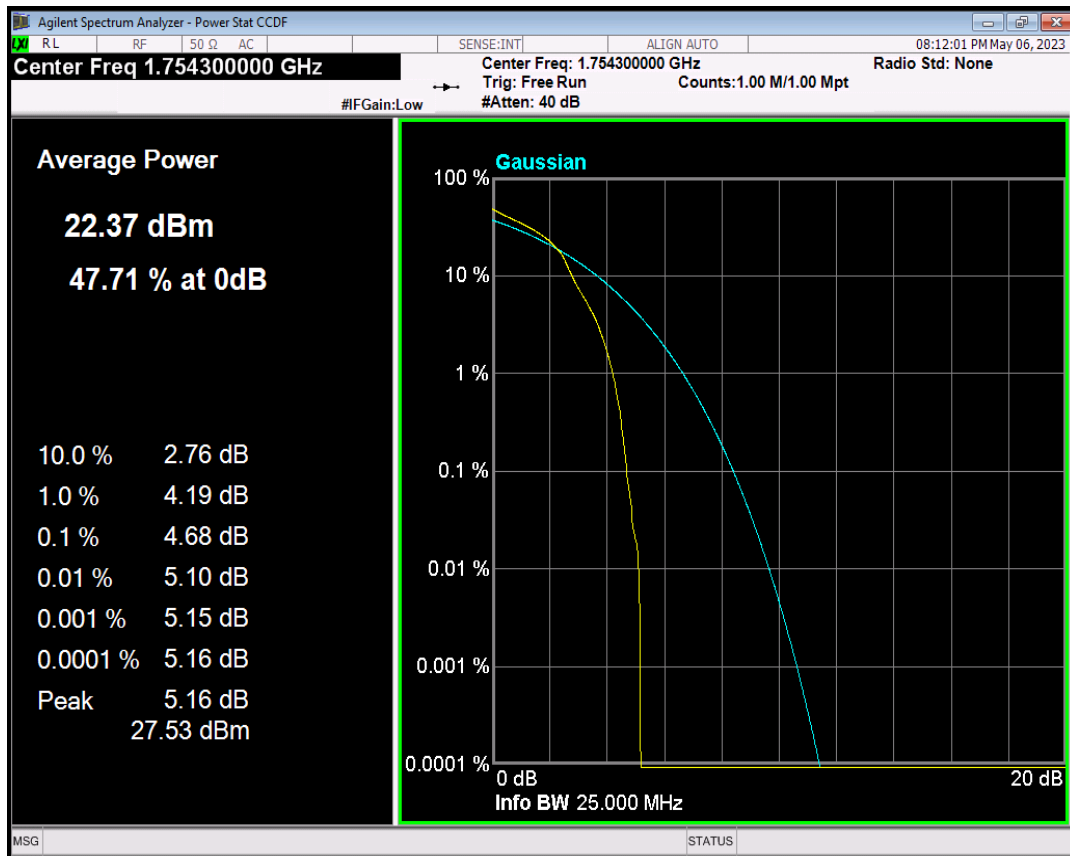
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=1 Position=#0



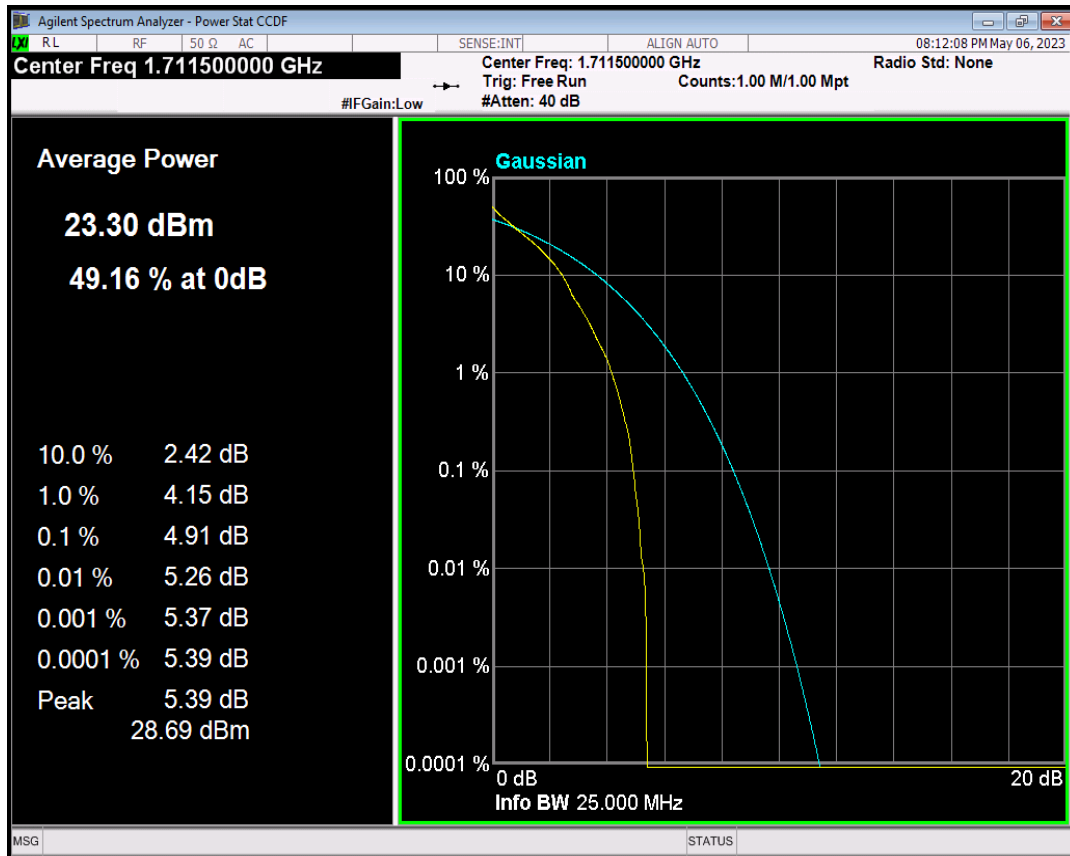
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=1 Position=#0



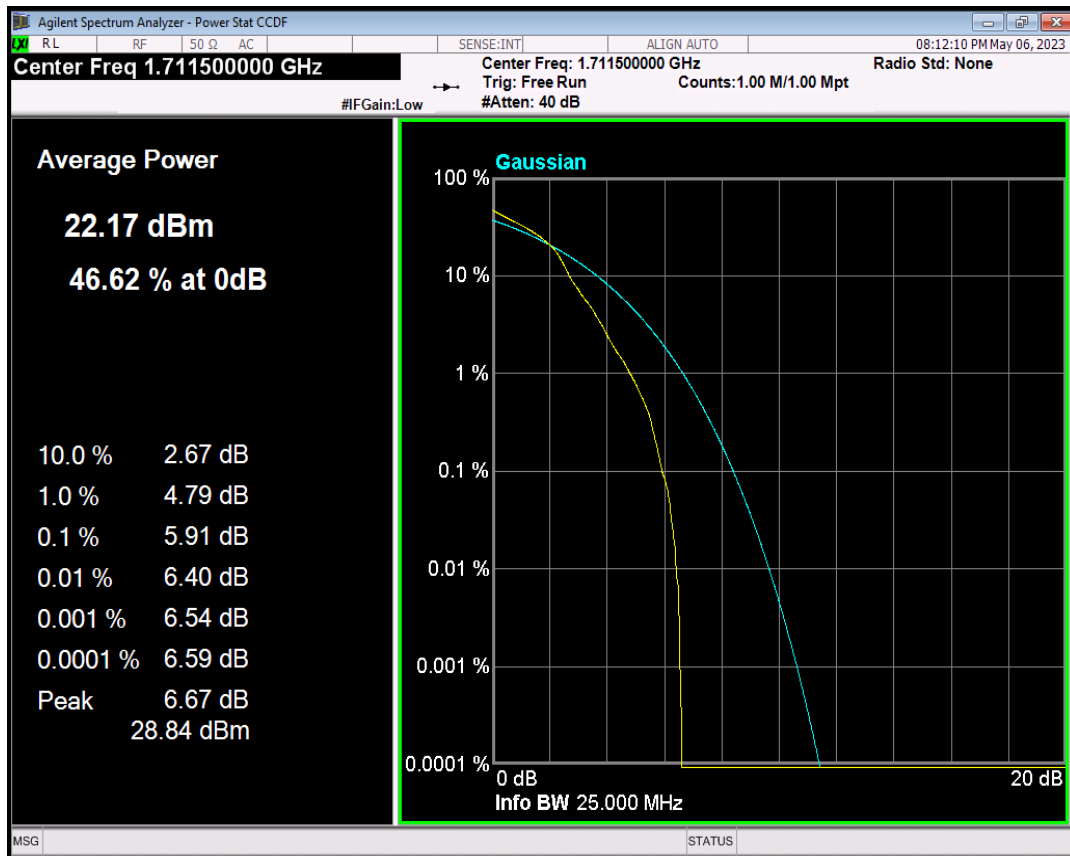
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=1 Position=#0



Band4 QPSK BW=3MHz Channel=19965 RB Size=1 Position=#0

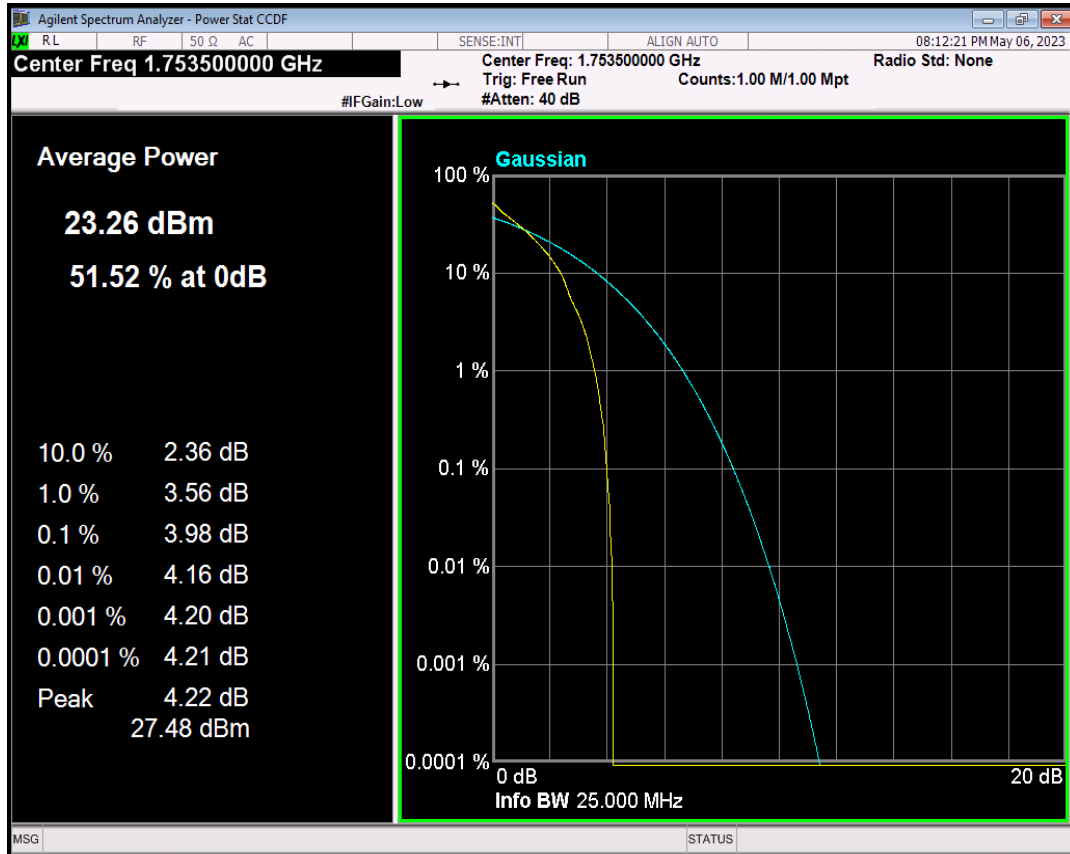


Band4 16QAM BW=3MHz Channel=19965 RB Size=1 Position=#0

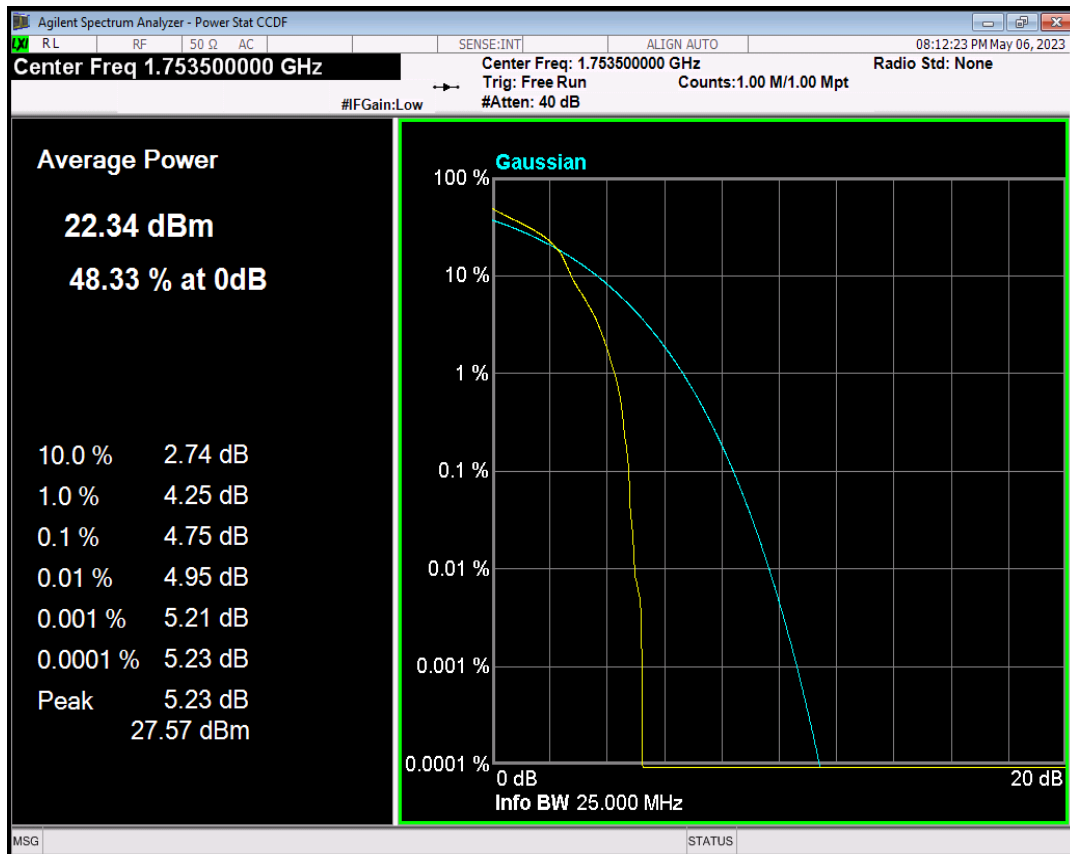


Band4 QPSK BW=3MHz Channel=20385 RB Size=1 Position=#0

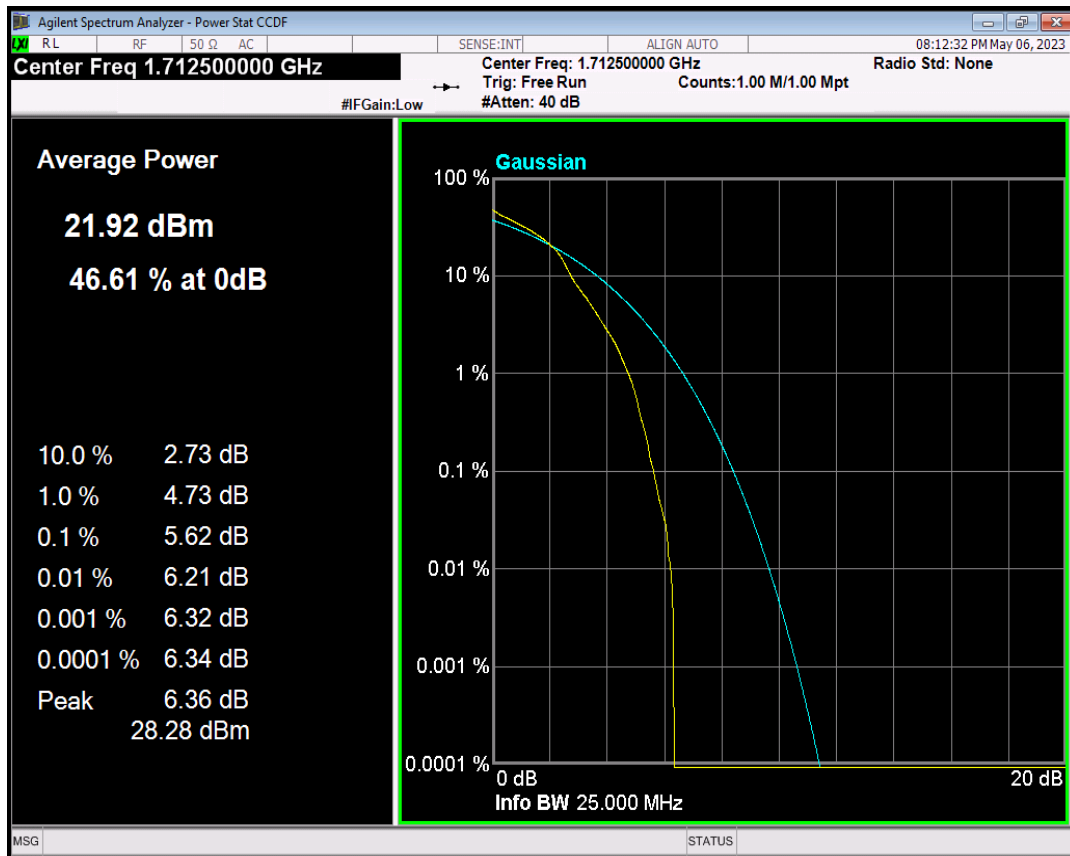
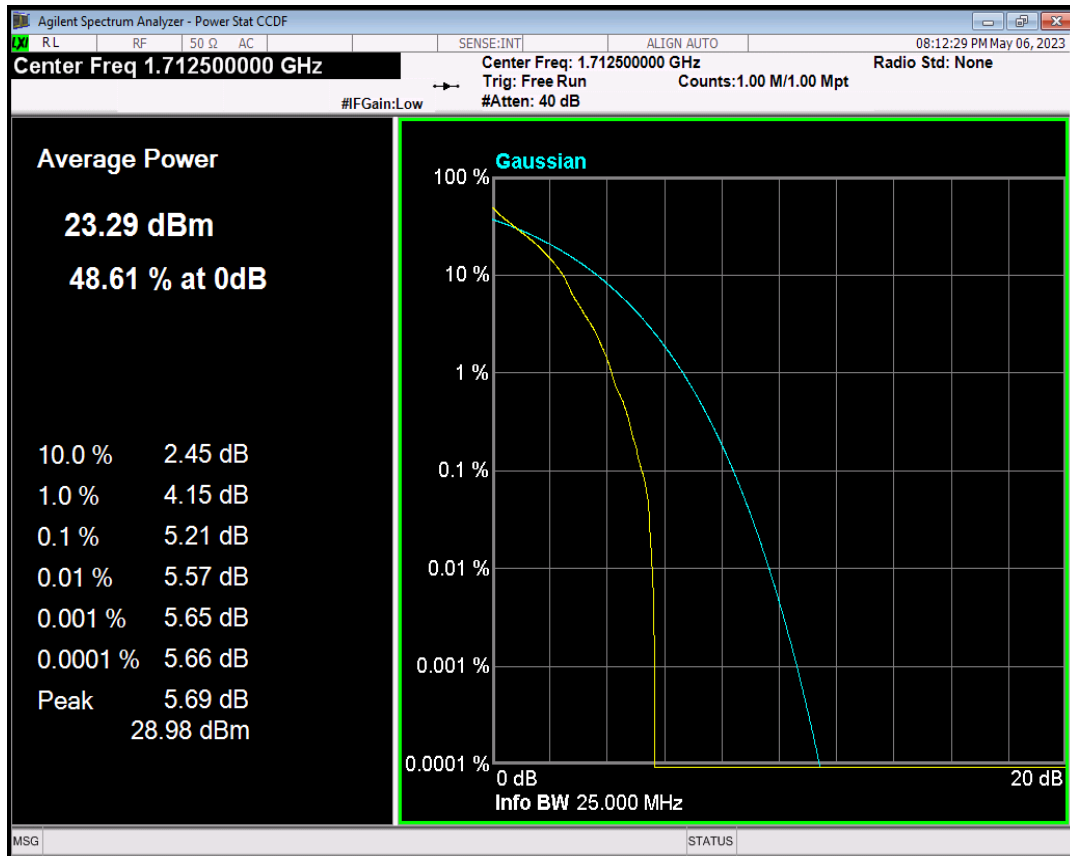


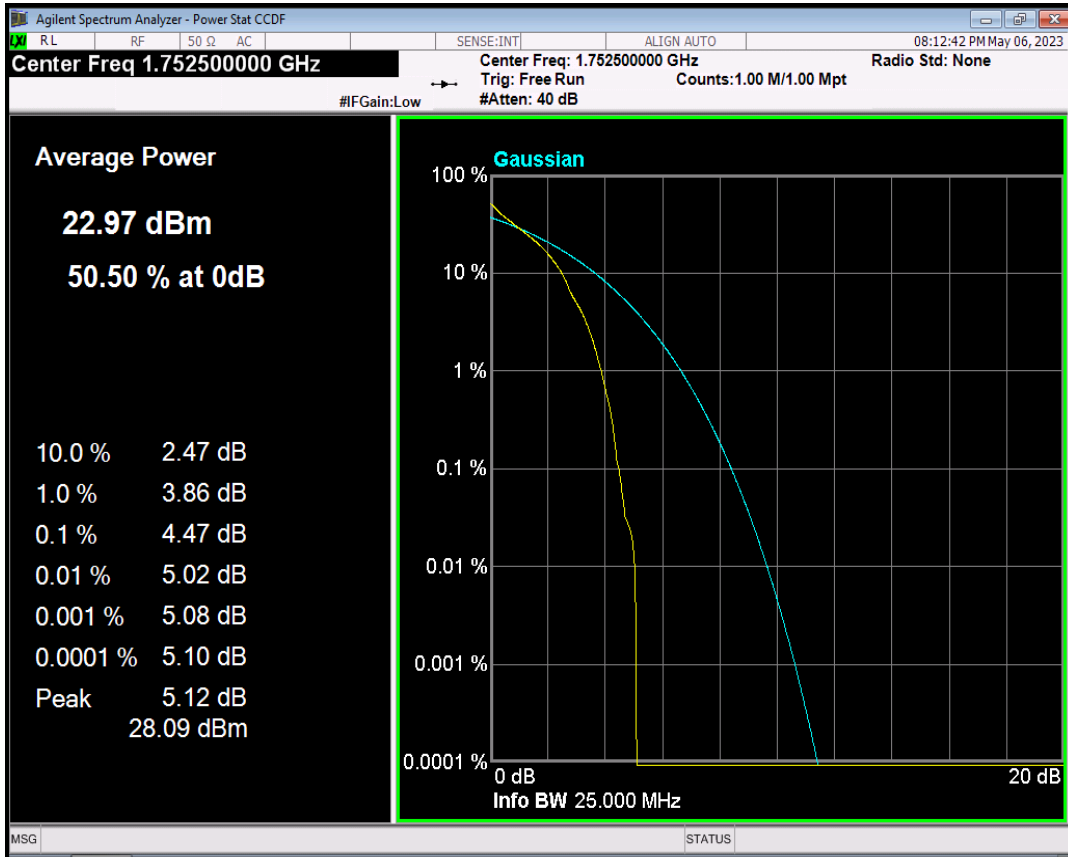


Band4 16QAM BW=3MHz Channel=20385 RB Size=1 Position=#0

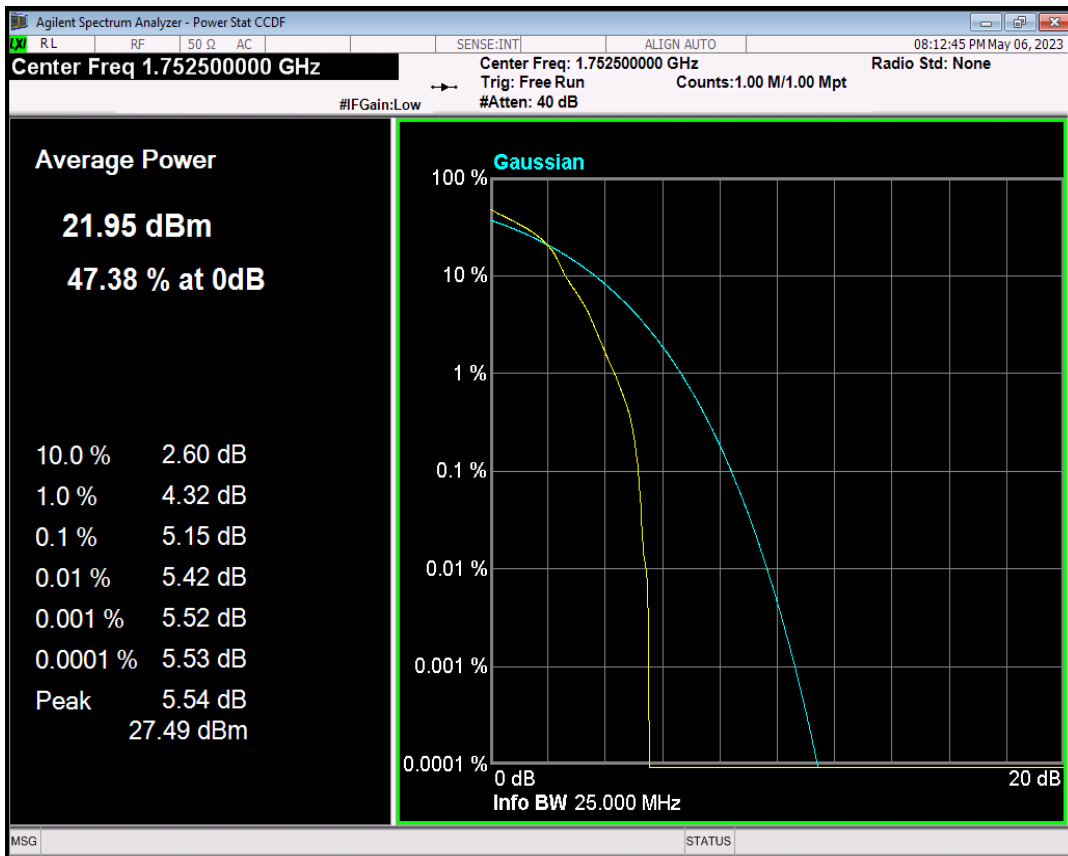


Band4 QPSK BW=5MHz Channel=19975 RB Size=1 Position=#0

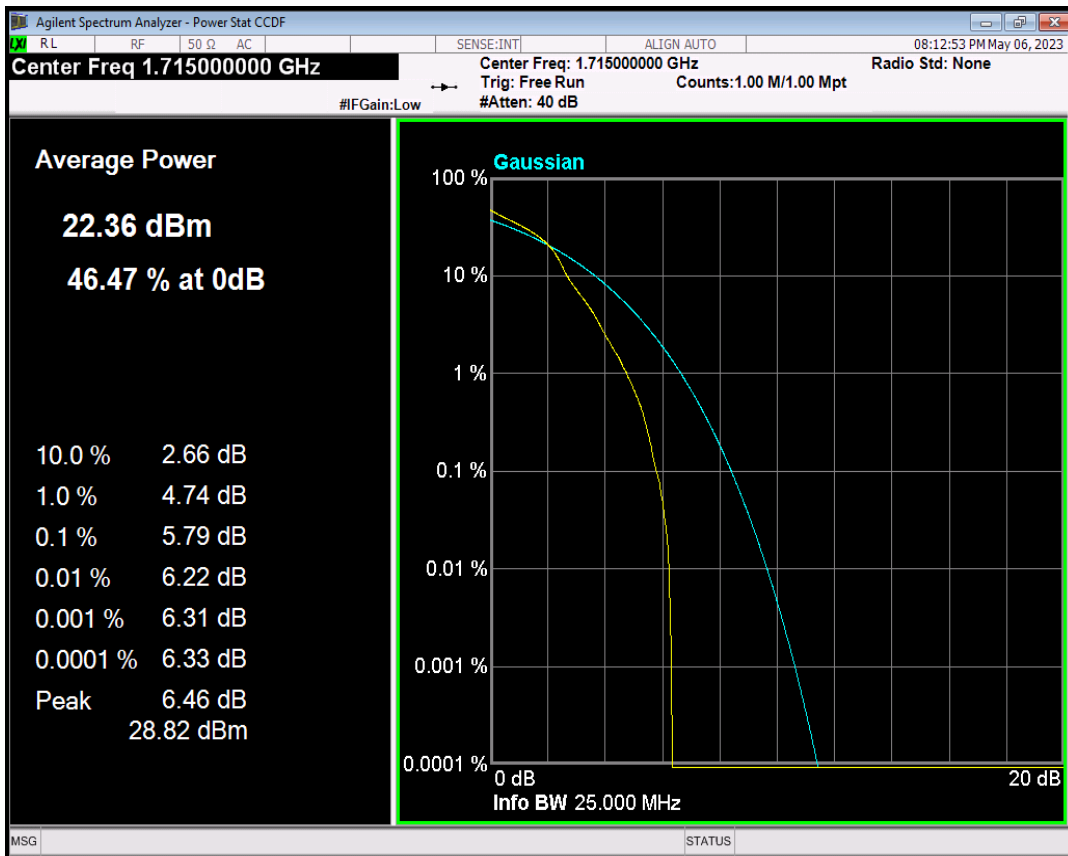
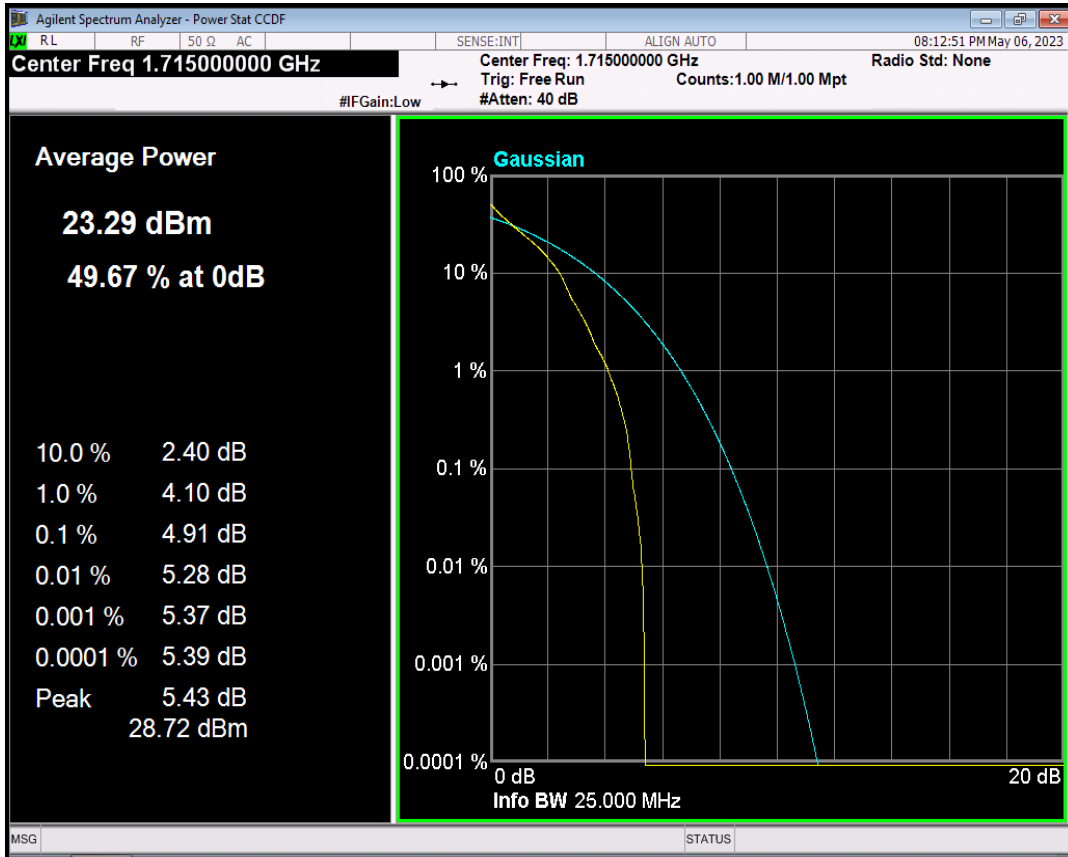


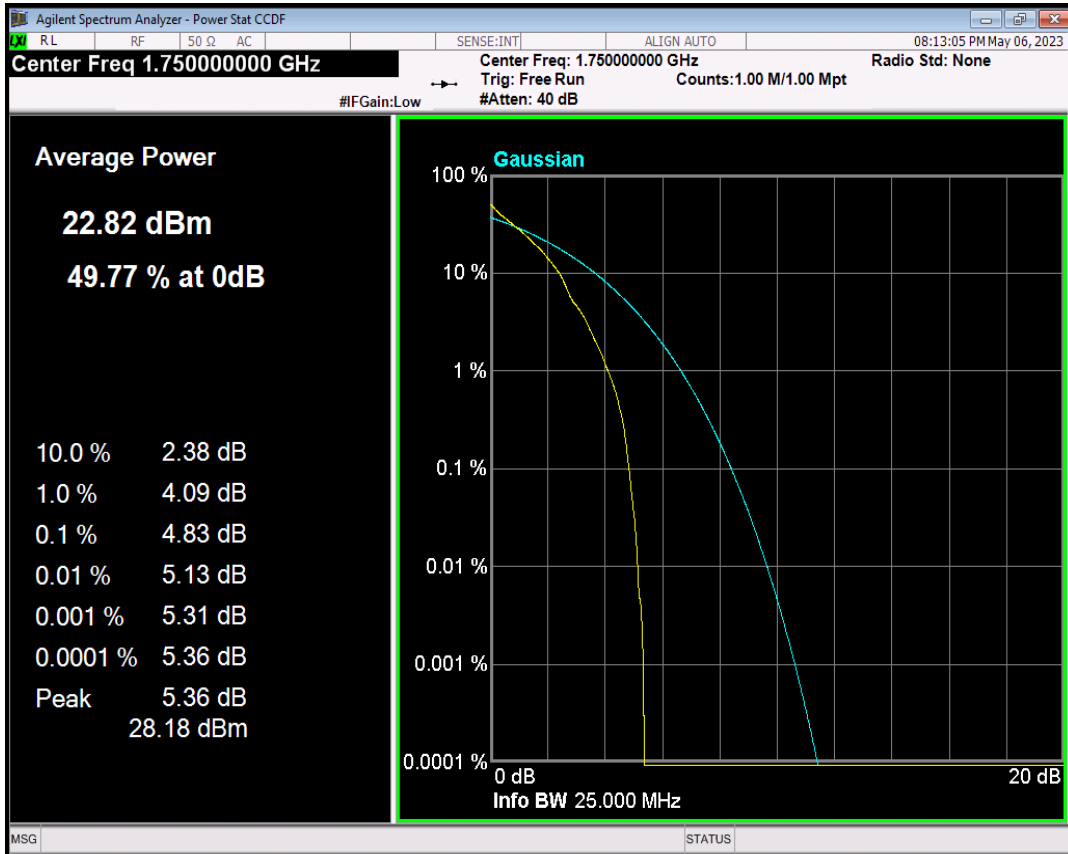


Band4 16QAM BW=5MHz Channel=20375 RB Size=1 Position=#0

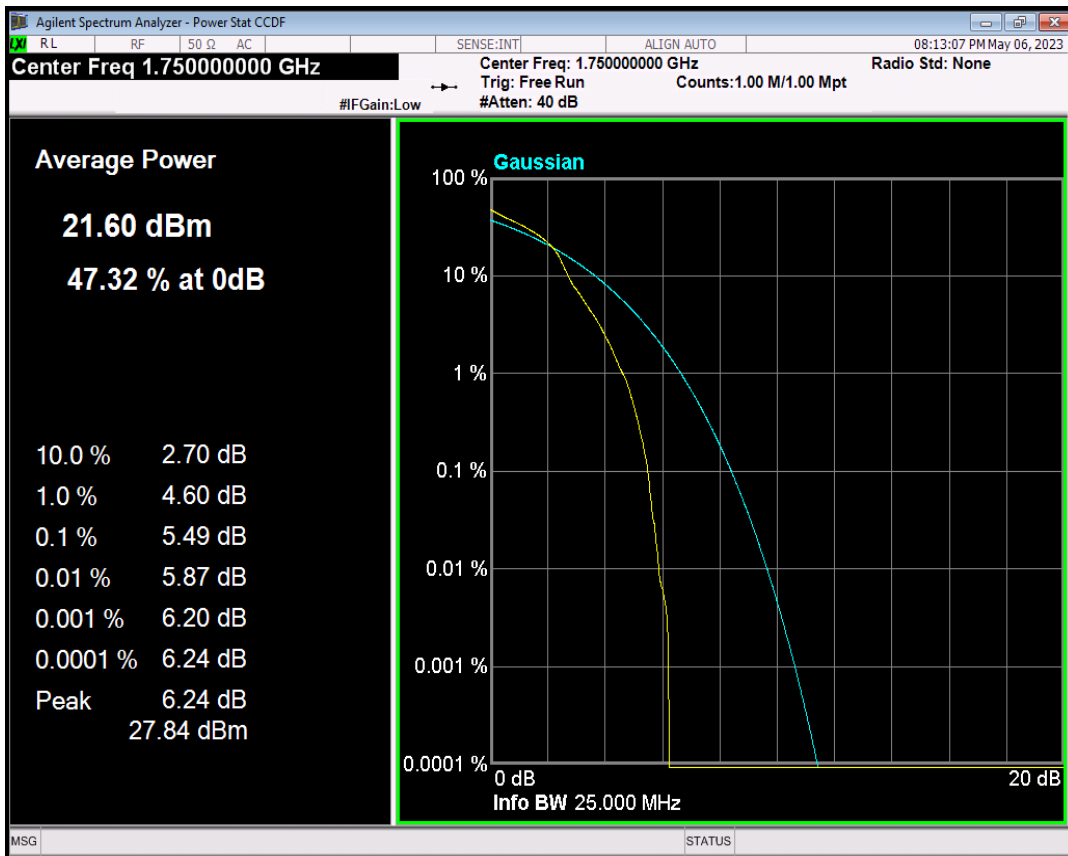


Band4 QPSK BW=10MHz Channel=20000 RB Size=1 Position=#0

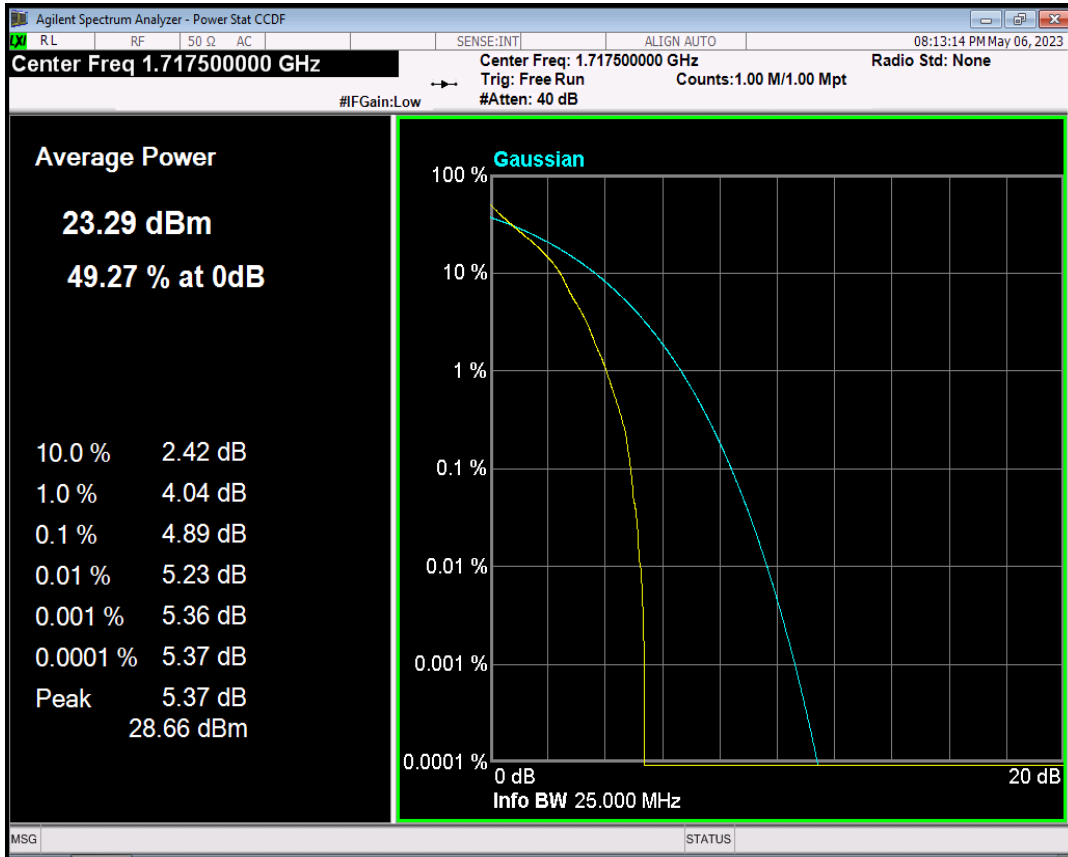




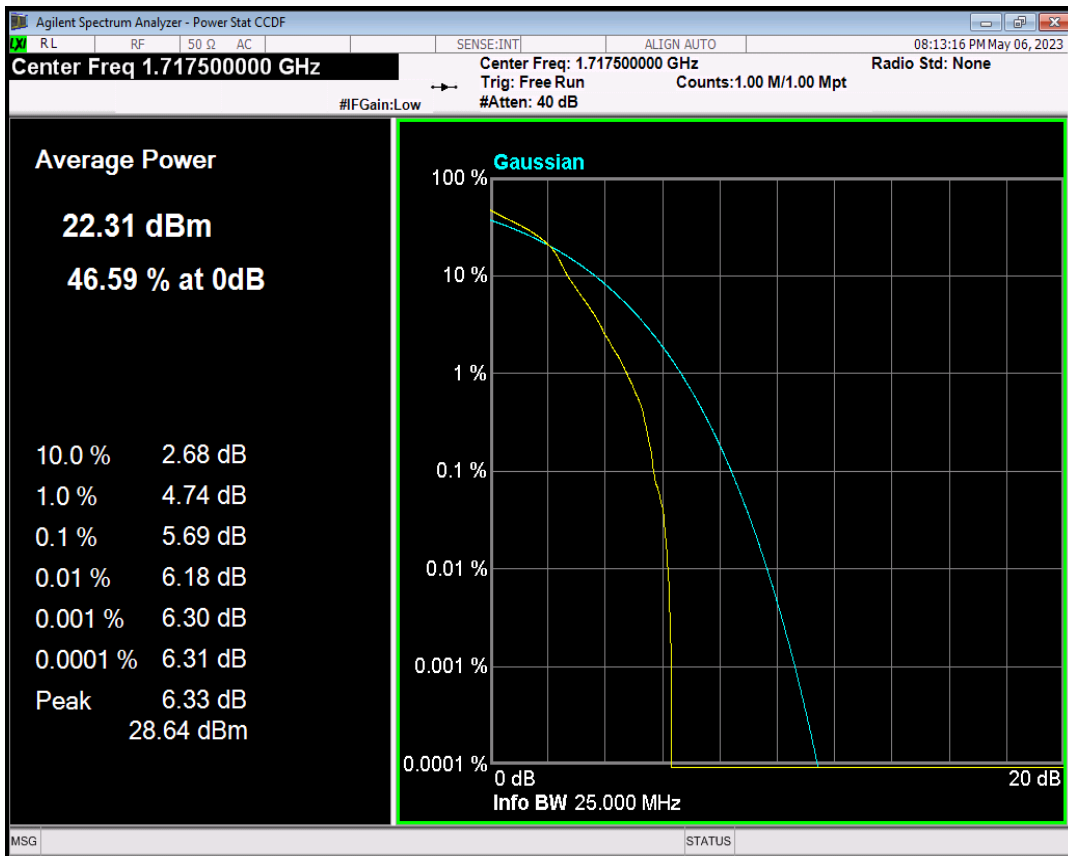
Band4 16QAM BW=10MHz Channel=20350 RB Size=1 Position=#0



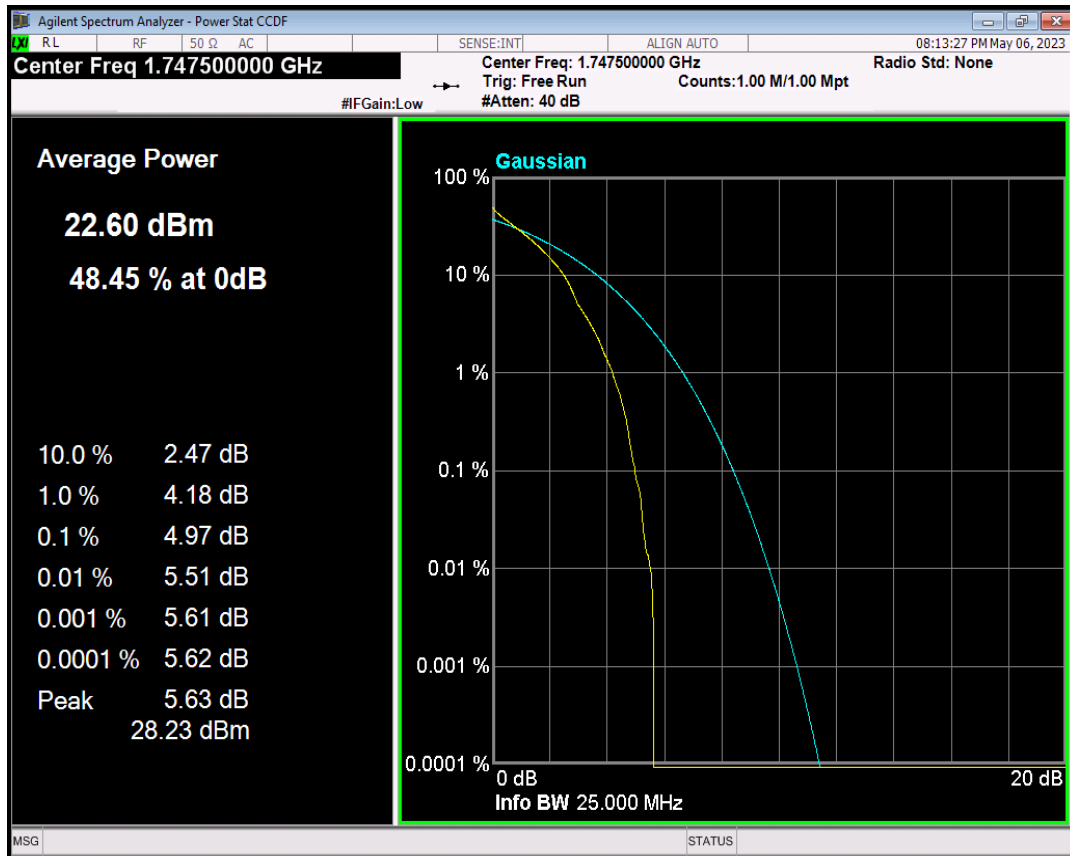
Band4 QPSK BW=15MHz Channel=20025 RB Size=1 Position=#0



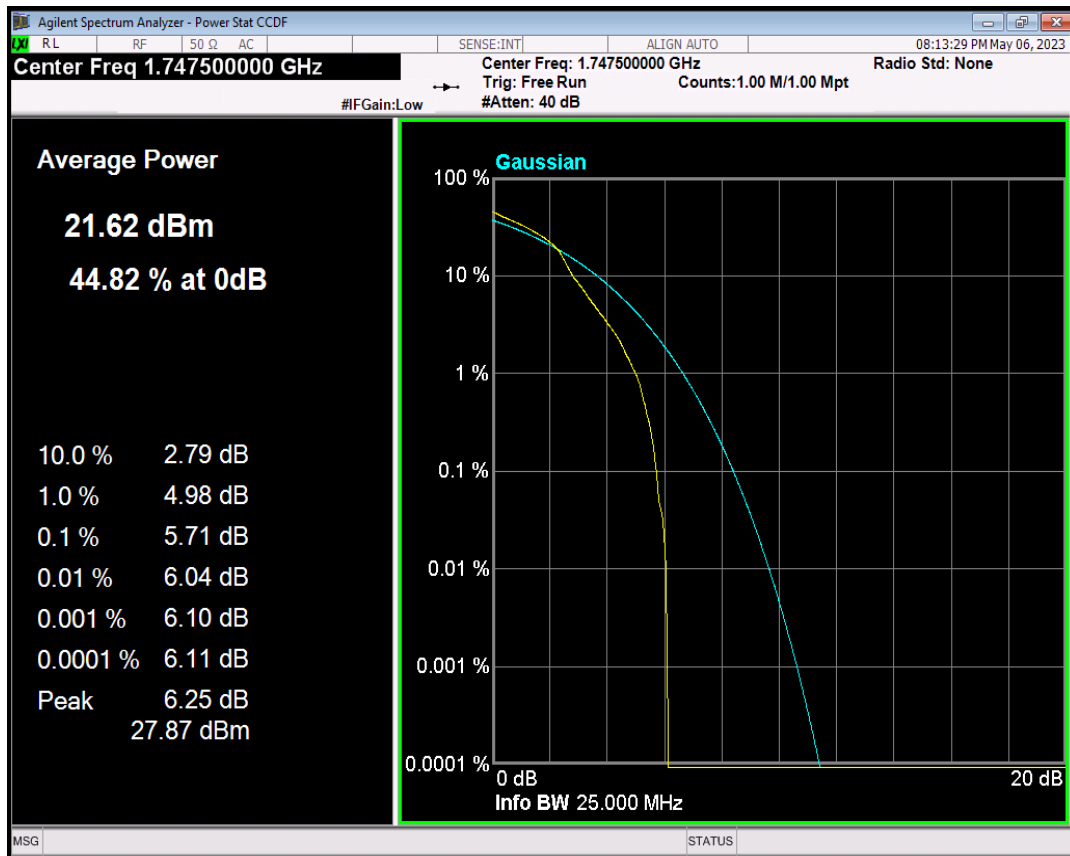
Band4 16QAM BW=15MHz Channel=20025 RB Size=1 Position=#0



Band4 QPSK BW=15MHz Channel=20325 RB Size=1 Position=#0

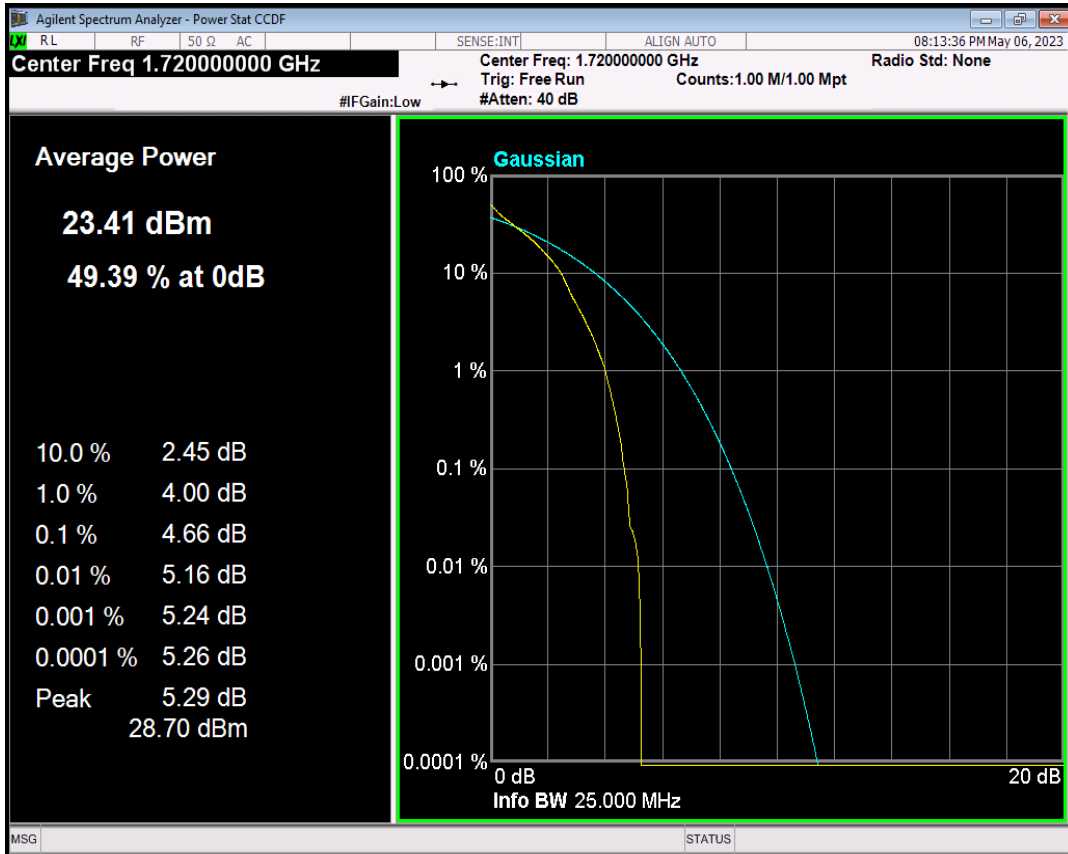


Band4 16QAM BW=15MHz Channel=20325 RB Size=1 Position=#0

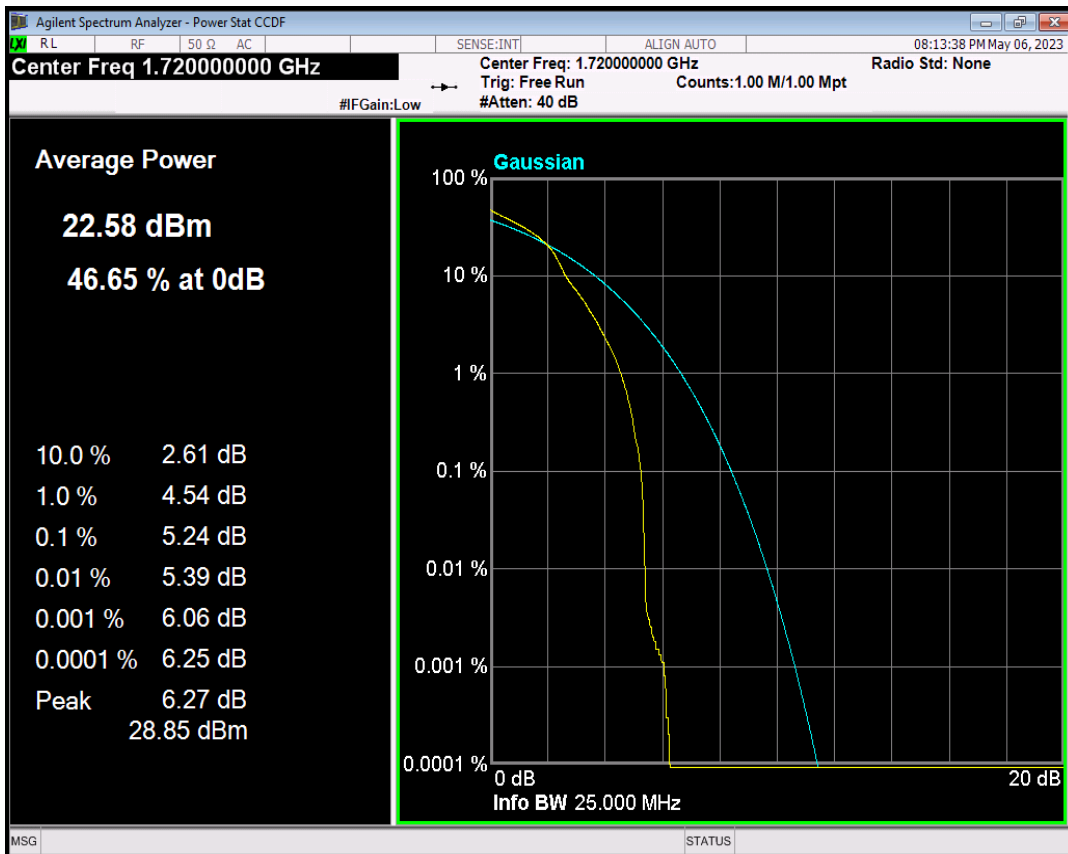


Band4 QPSK BW=20MHz Channel=20050 RB Size=1 Position=#0

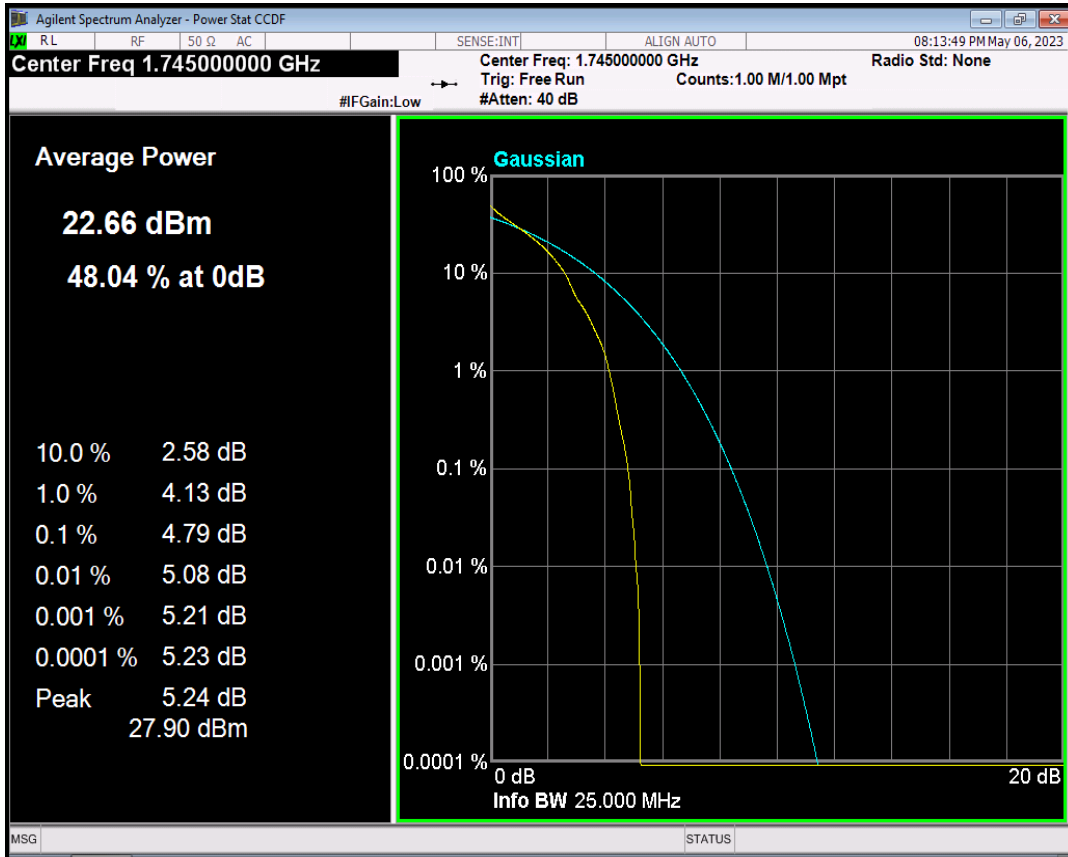




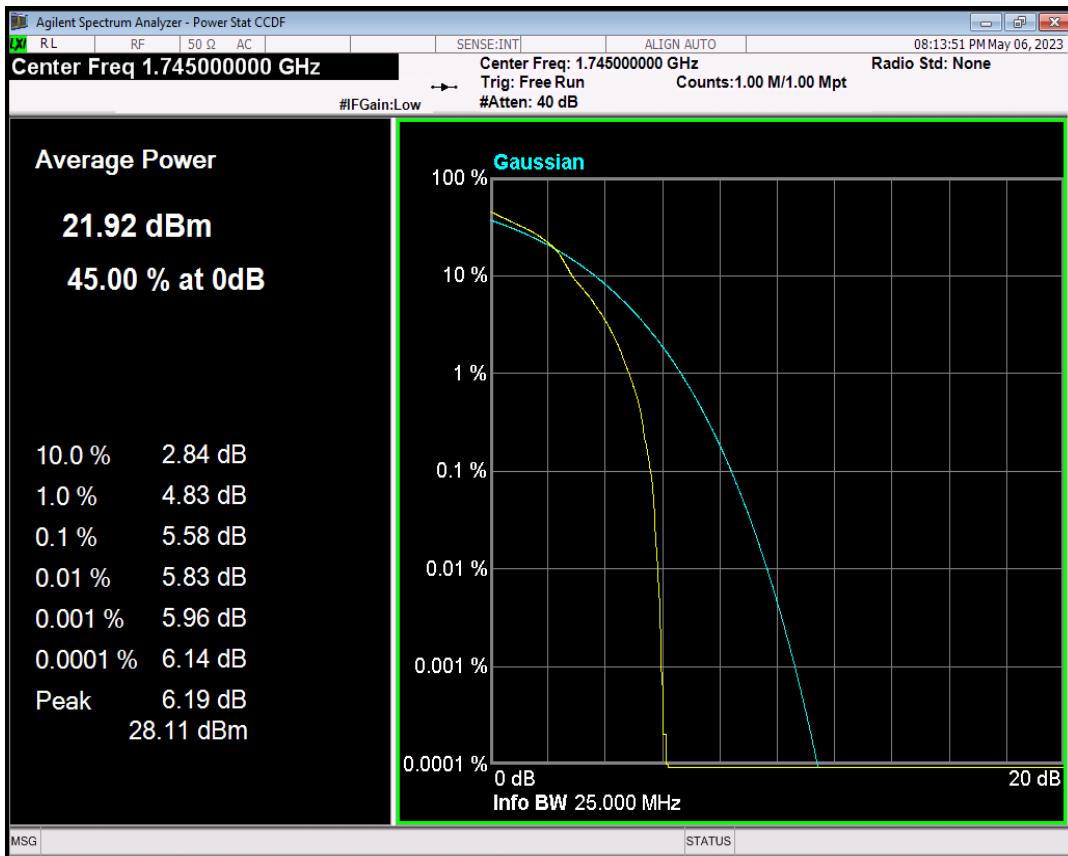
Band4 16QAM BW=20MHz Channel=20050 RB Size=1 Position=#0



Band4 QPSK BW=20MHz Channel=20300 RB Size=1 Position=#0



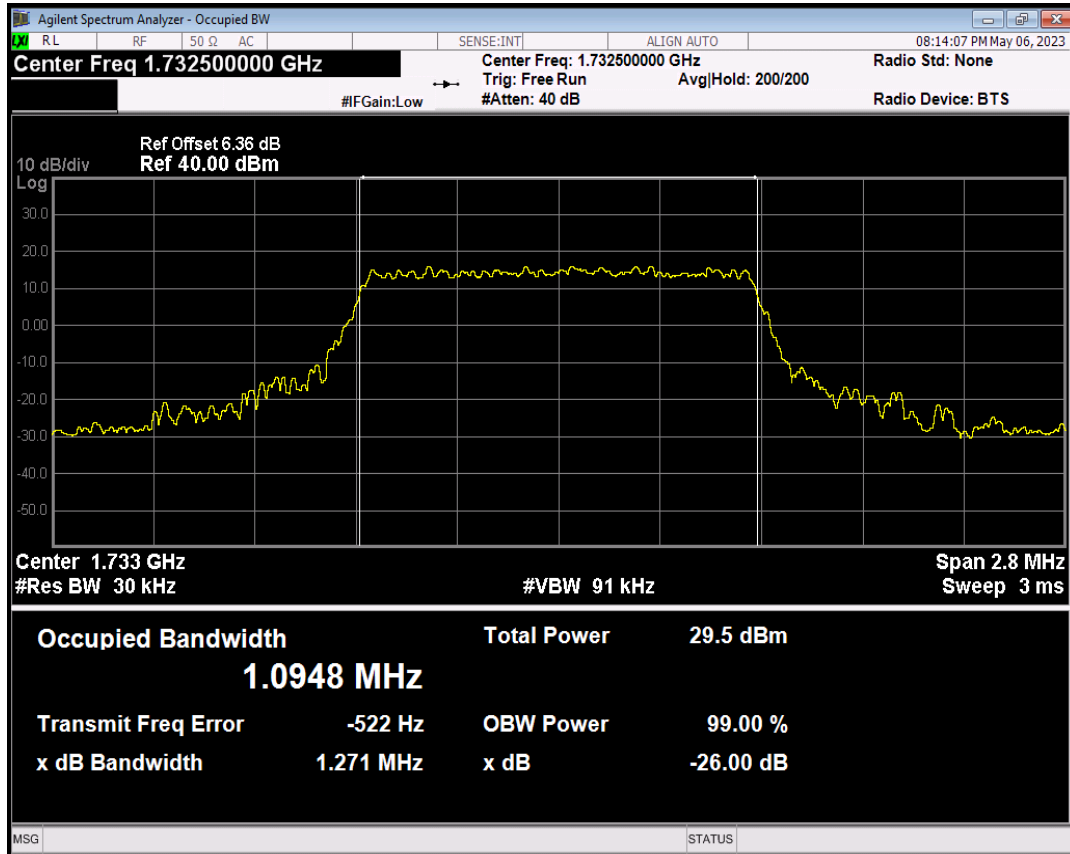
Band4 16QAM BW=20MHz Channel=20300 RB Size=1 Position=#0



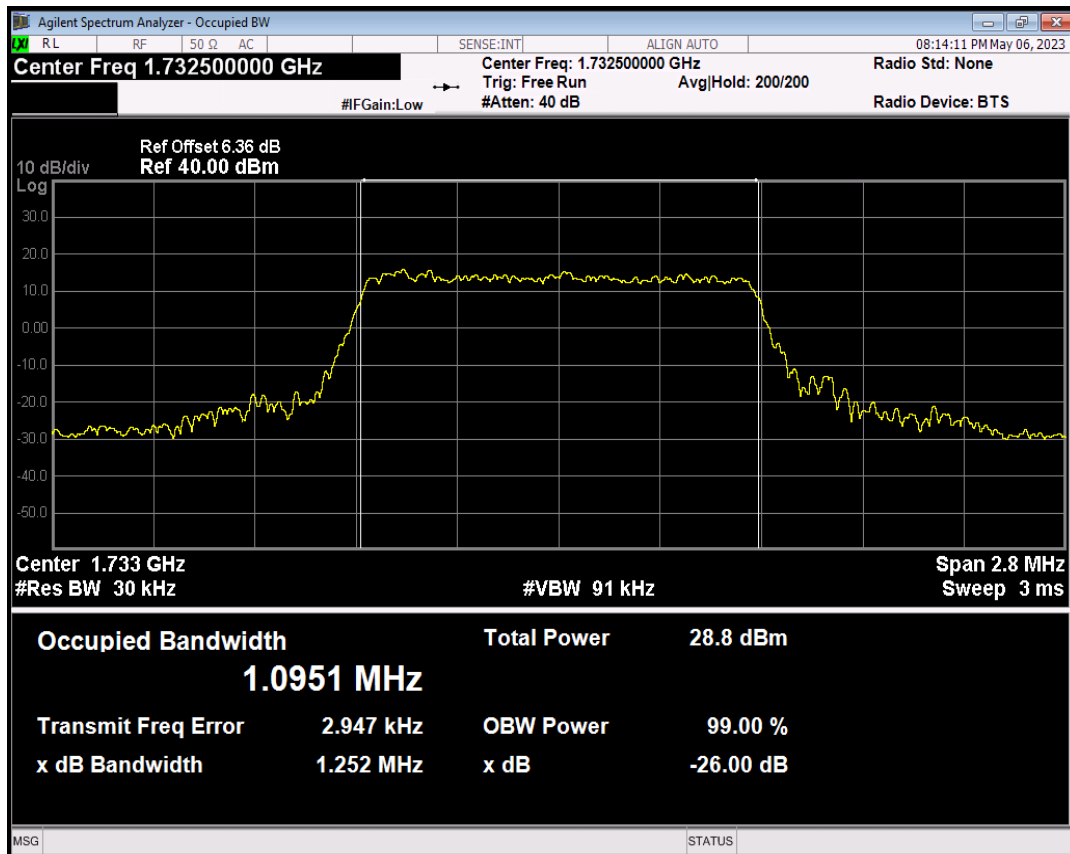
## Appendix 4. Occupied bandwidth

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	99% OBW (MHz)	-26dB EBW (MHz)	Verdict
Band4	1.4	19957	6	#0	QPSK	1.101	1.259	PASS
Band4	1.4	19957	6	#0	16QAM	1.101	1.266	PASS
Band4	1.4	20175	6	#0	QPSK	1.095	1.271	PASS
Band4	1.4	20175	6	#0	16QAM	1.095	1.252	PASS
Band4	1.4	20393	6	#0	QPSK	1.100	1.286	PASS
Band4	1.4	20393	6	#0	16QAM	1.101	1.264	PASS
Band4	3	19965	15	#0	QPSK	2.723	3.054	PASS
Band4	3	19965	15	#0	16QAM	2.708	3.074	PASS
Band4	3	20175	15	#0	QPSK	2.700	3.050	PASS
Band4	3	20175	15	#0	16QAM	2.710	3.038	PASS
Band4	3	20385	15	#0	QPSK	2.716	3.105	PASS
Band4	3	20385	15	#0	16QAM	2.721	3.180	PASS
Band4	5	19975	25	#0	QPSK	4.519	5.167	PASS
Band4	5	19975	25	#0	16QAM	4.523	5.115	PASS
Band4	5	20175	25	#0	QPSK	4.510	5.056	PASS
Band4	5	20175	25	#0	16QAM	4.533	5.080	PASS
Band4	5	20375	25	#0	QPSK	4.508	5.103	PASS
Band4	5	20375	25	#0	16QAM	4.504	5.063	PASS
Band4	10	20000	50	#0	QPSK	8.998	9.865	PASS
Band4	10	20000	50	#0	16QAM	8.992	9.820	PASS
Band4	10	20175	50	#0	QPSK	8.986	9.814	PASS
Band4	10	20175	50	#0	16QAM	8.975	9.785	PASS
Band4	10	20350	50	#0	QPSK	8.971	9.945	PASS
Band4	10	20350	50	#0	16QAM	9.002	10.233	PASS
Band4	15	20025	75	#0	QPSK	13.447	14.844	PASS
Band4	15	20025	75	#0	16QAM	13.504	14.642	PASS
Band4	15	20175	75	#0	QPSK	13.448	14.793	PASS
Band4	15	20175	75	#0	16QAM	13.498	14.941	PASS
Band4	15	20325	75	#0	QPSK	13.500	15.274	PASS
Band4	15	20325	75	#0	16QAM	13.462	14.695	PASS
Band4	20	20050	100	#0	QPSK	17.929	19.727	PASS
Band4	20	20050	100	#0	16QAM	17.927	19.776	PASS
Band4	20	20175	100	#0	QPSK	17.932	19.520	PASS
Band4	20	20175	100	#0	16QAM	17.956	20.188	PASS
Band4	20	20300	100	#0	QPSK	18.032	20.080	PASS
Band4	20	20300	100	#0	16QAM	18.007	19.544	PASS

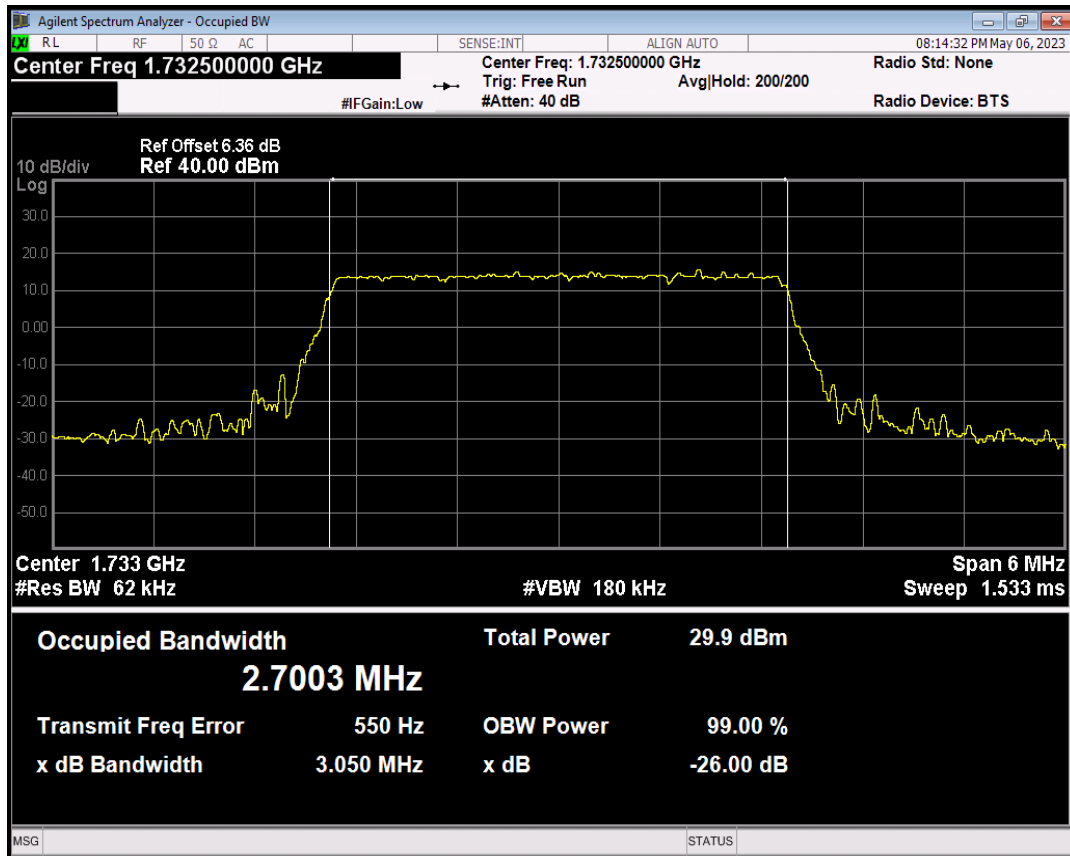
Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0



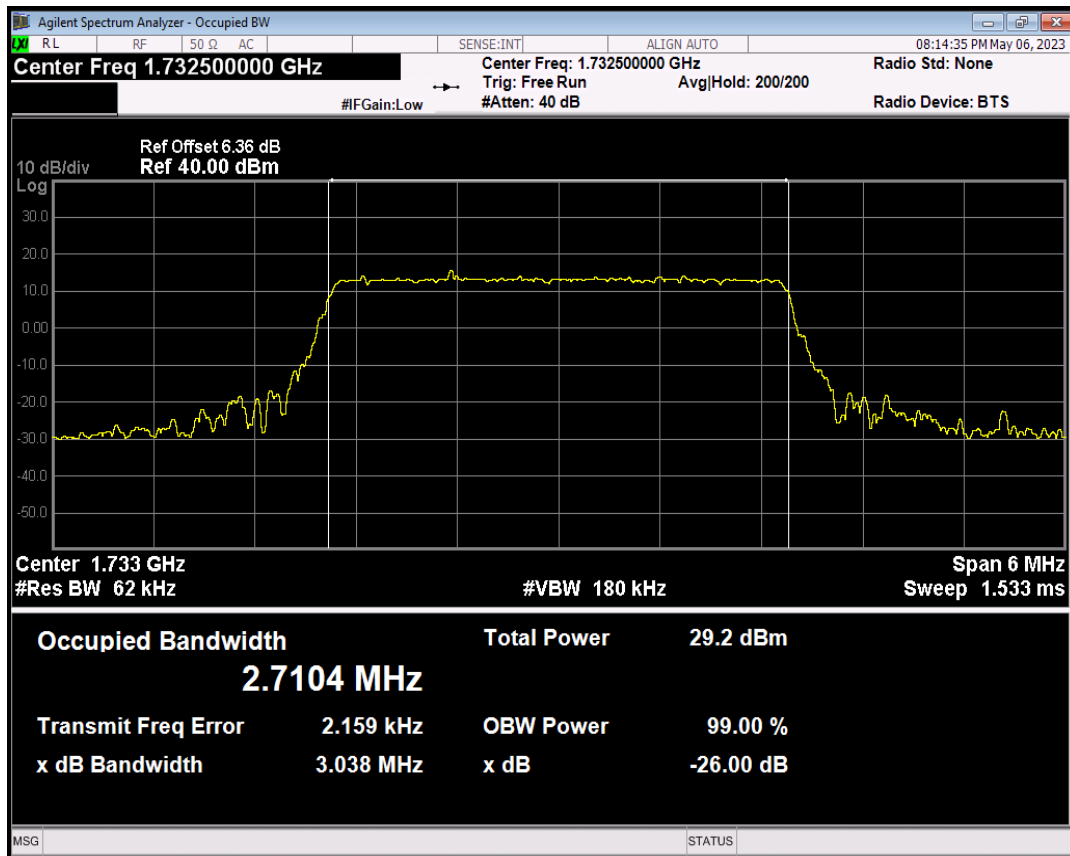
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



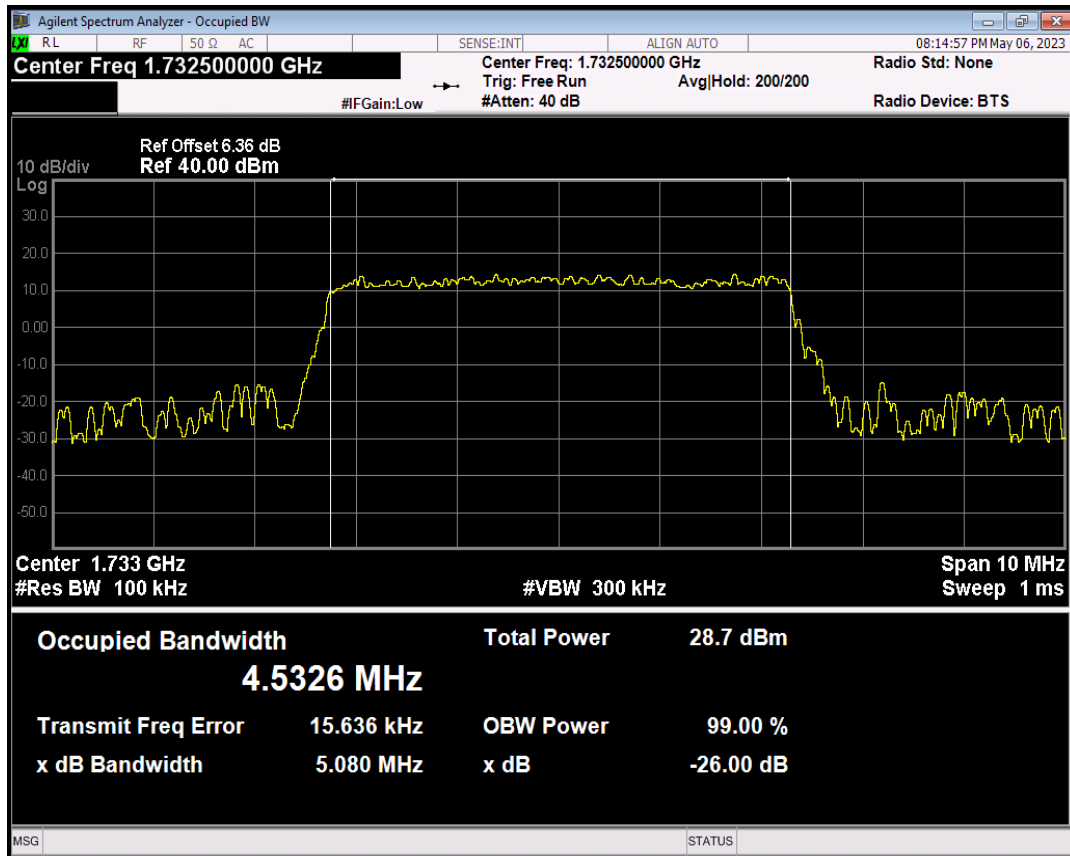
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



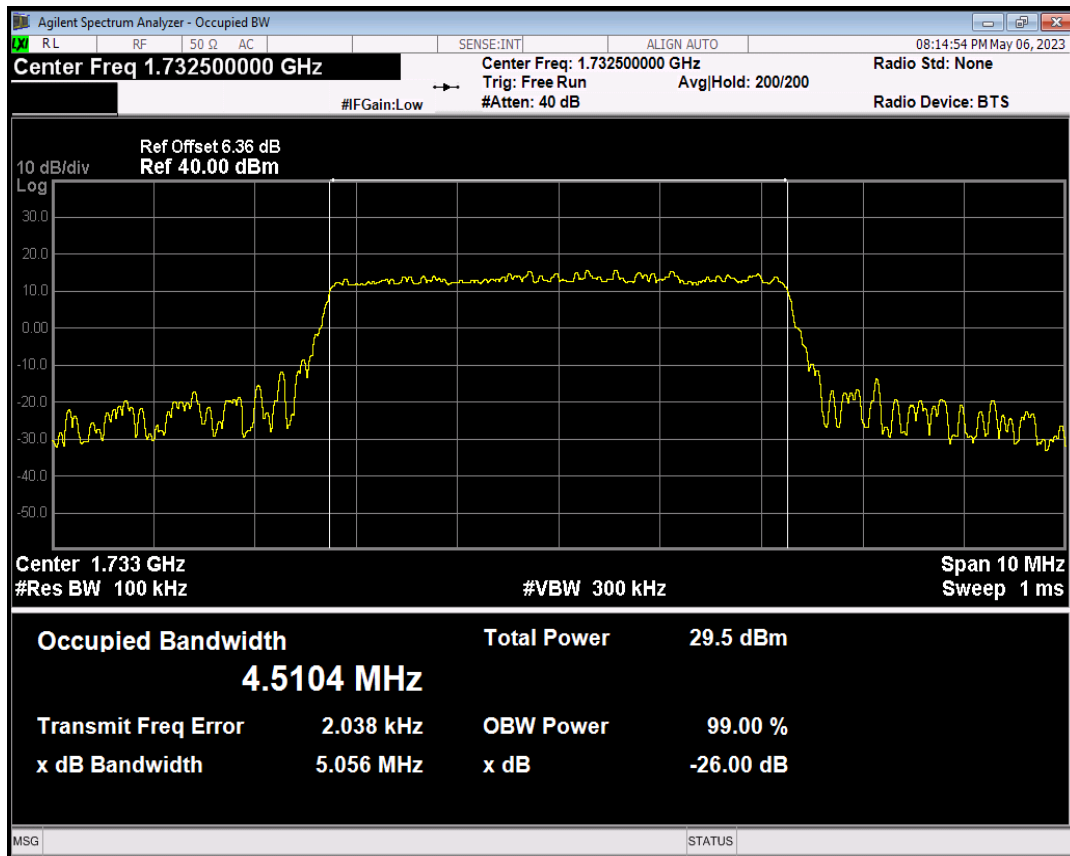
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



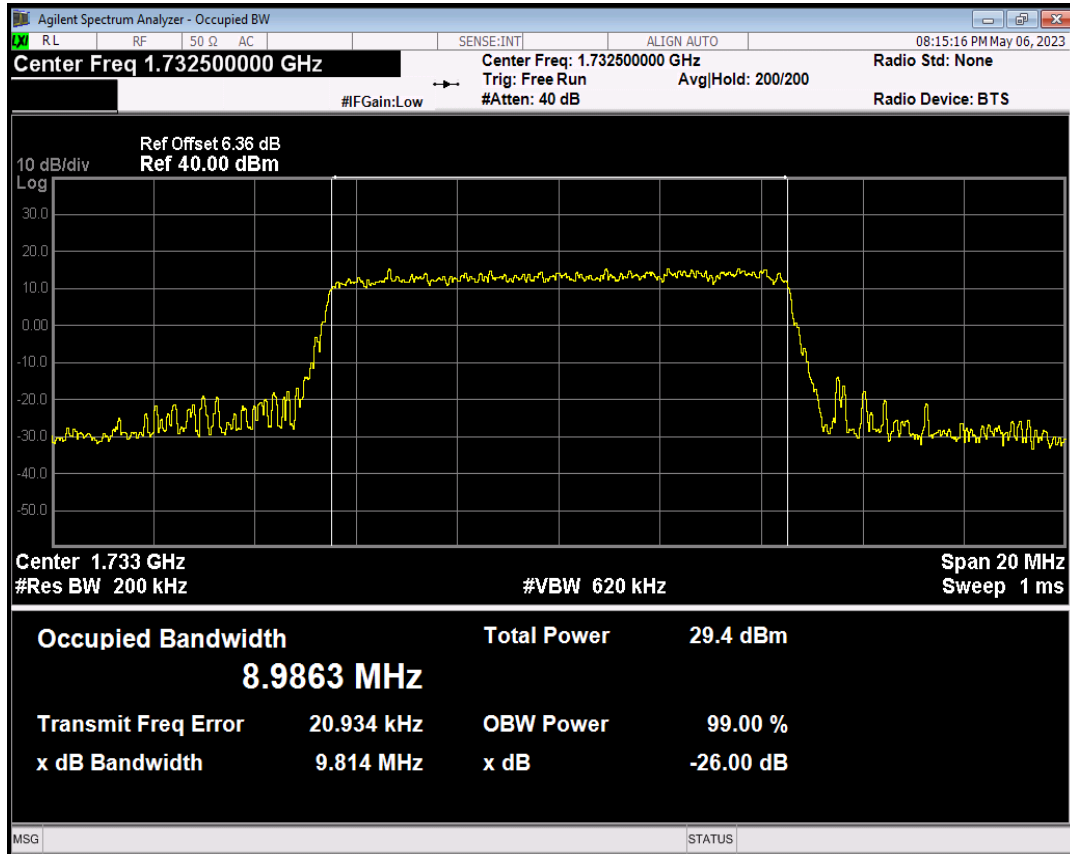
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



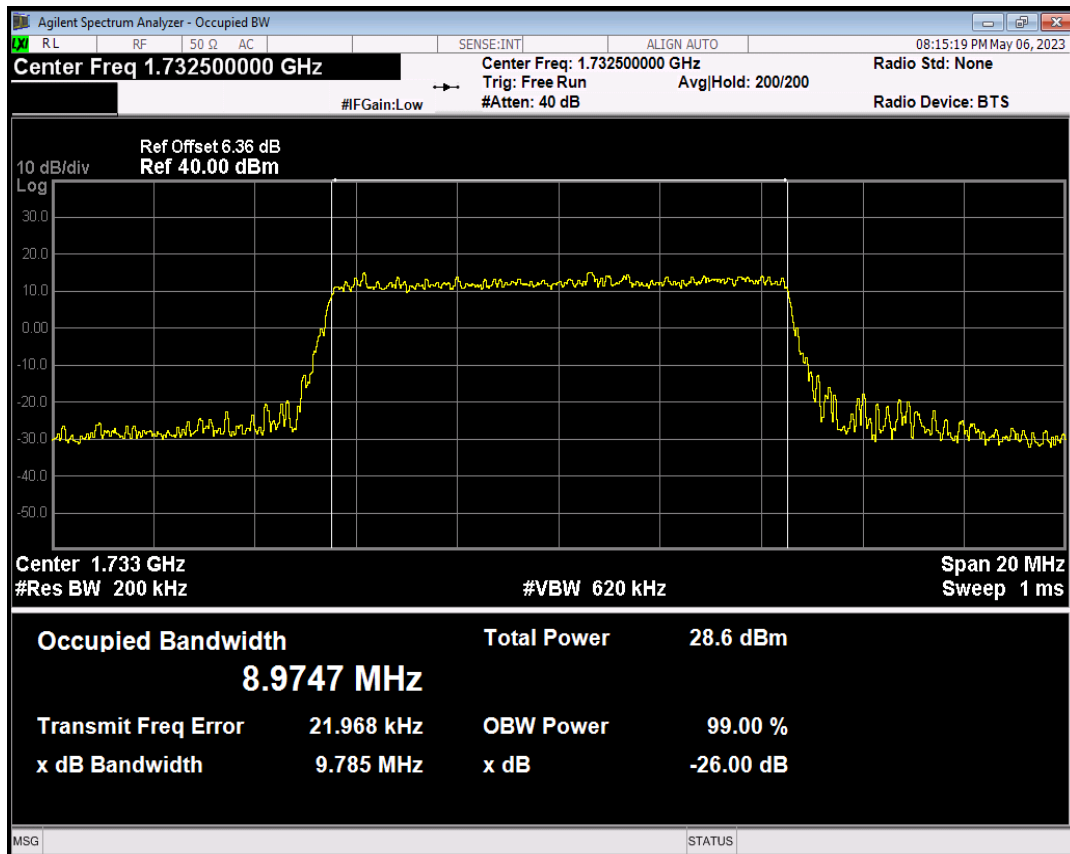
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0

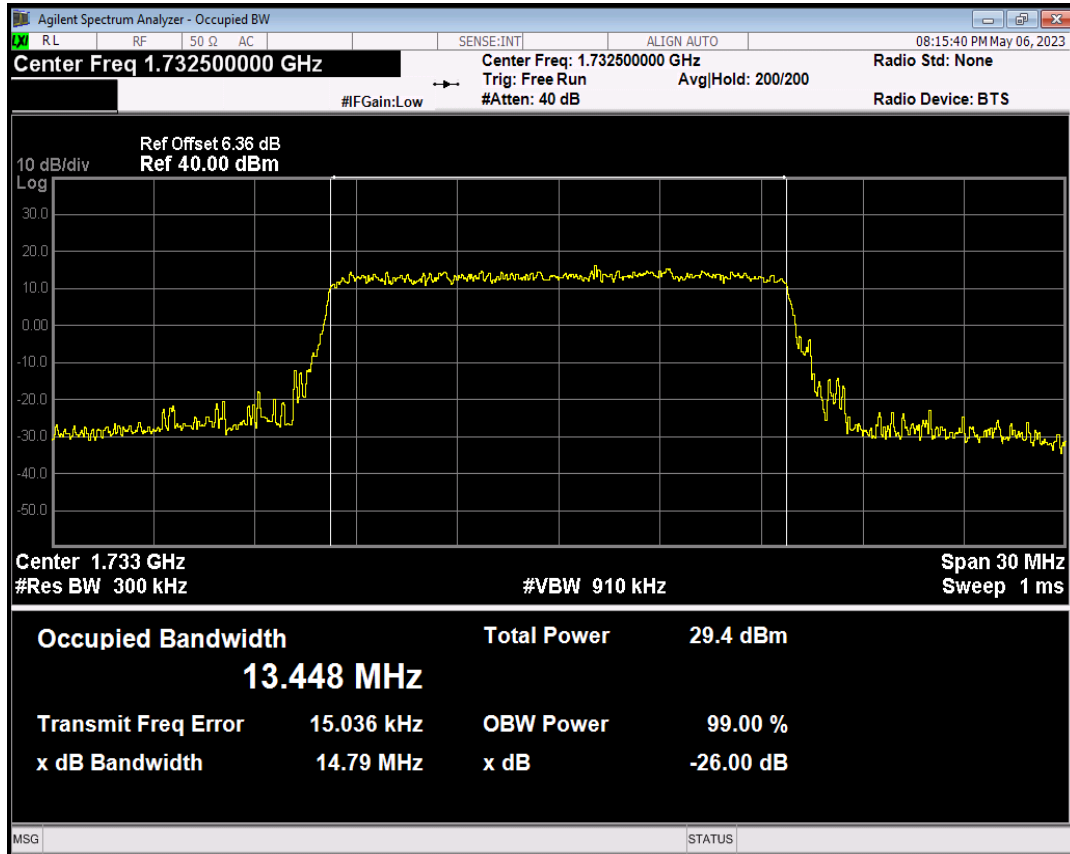


Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0

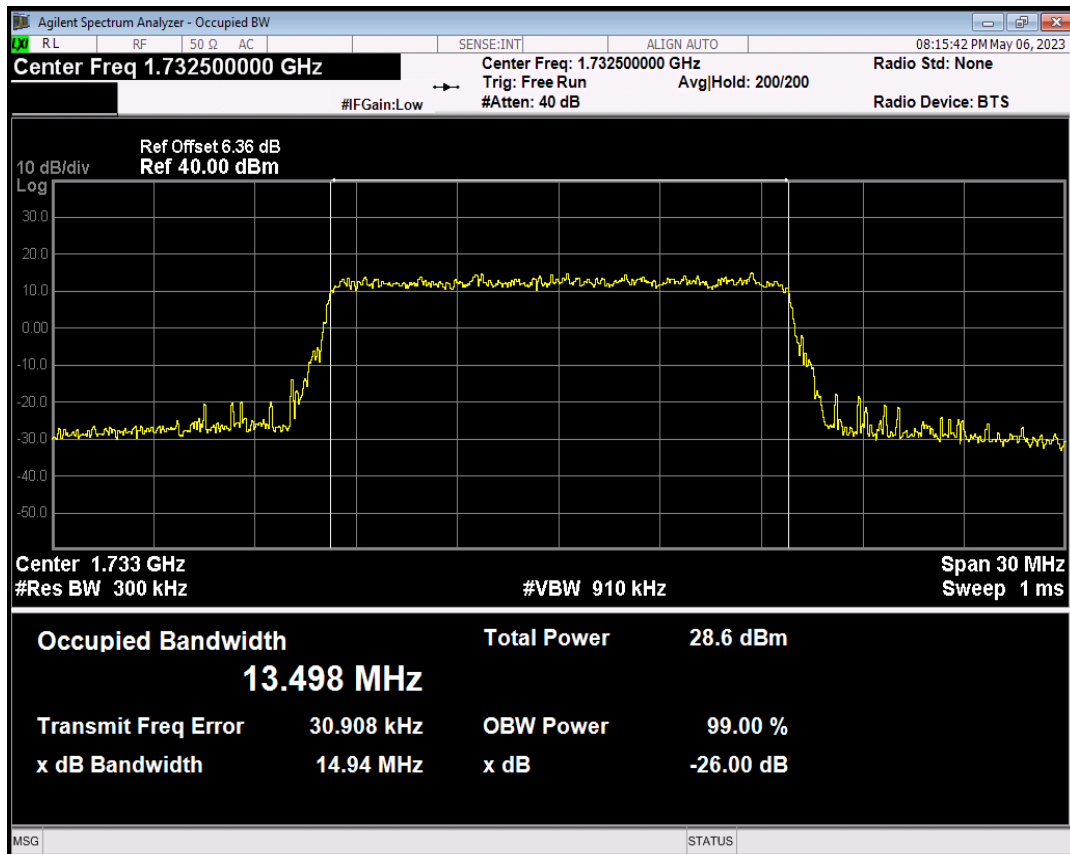


Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0

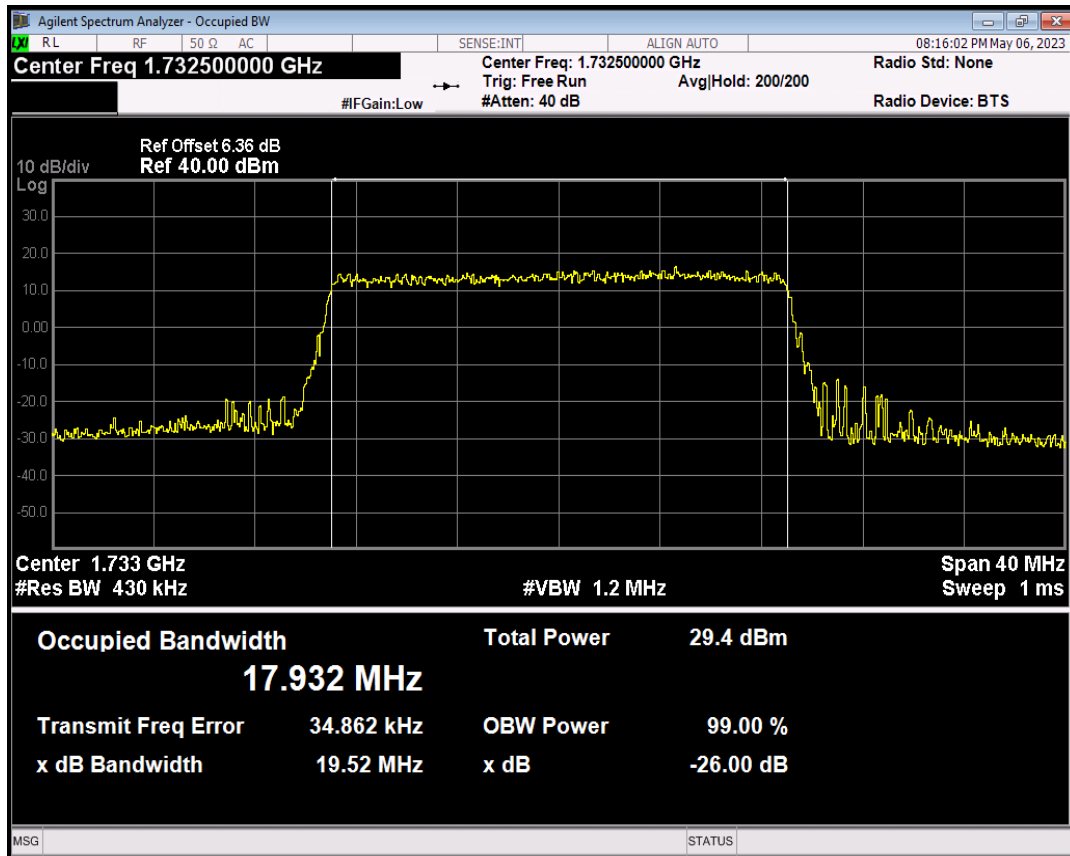




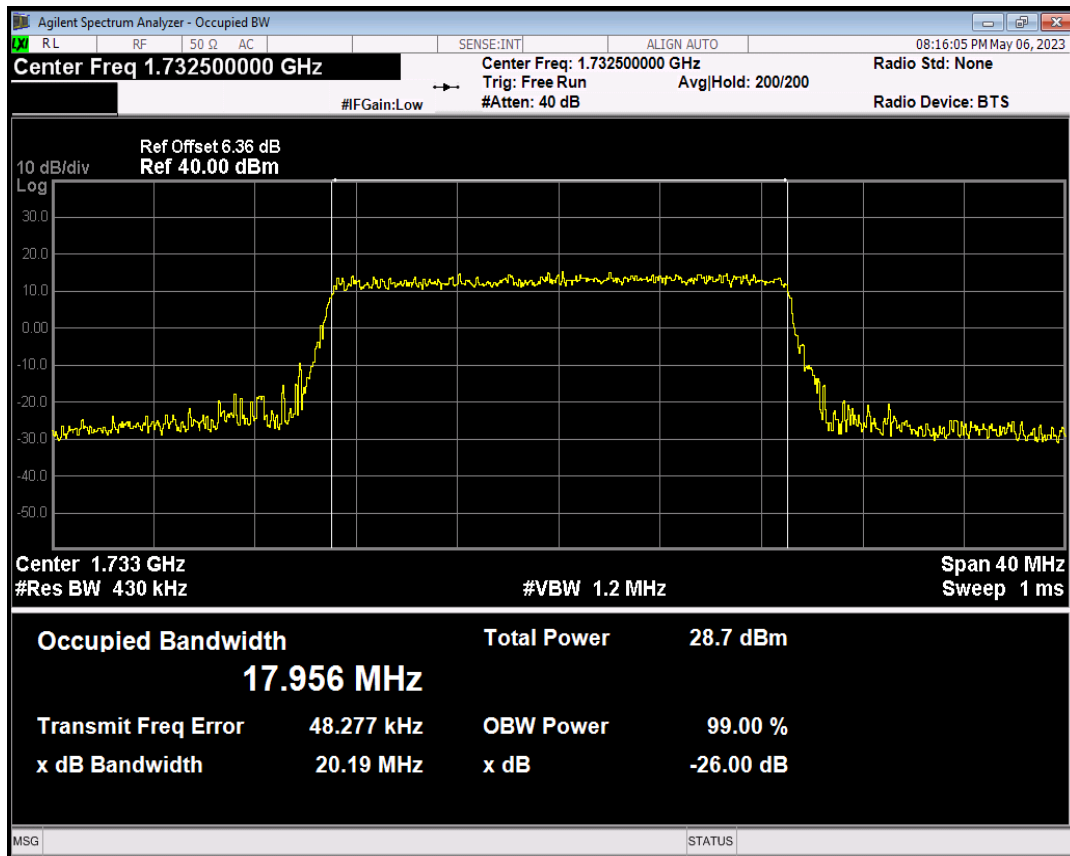
Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



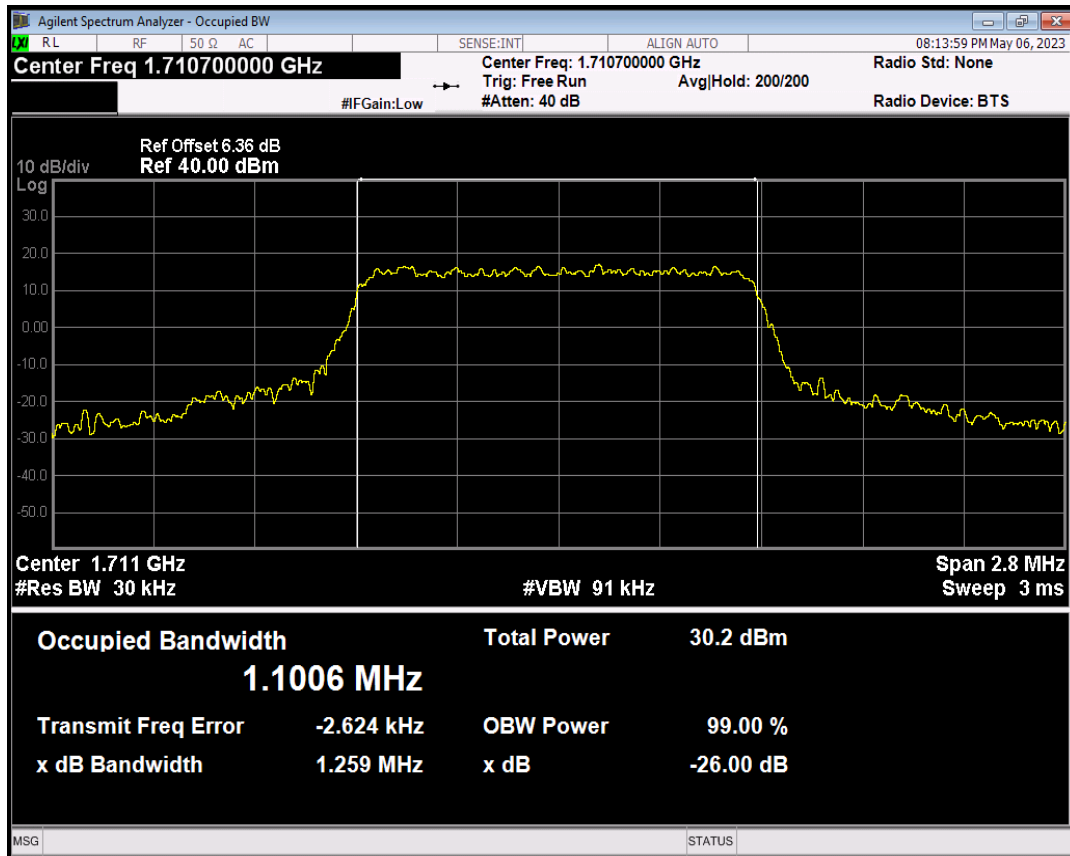
Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



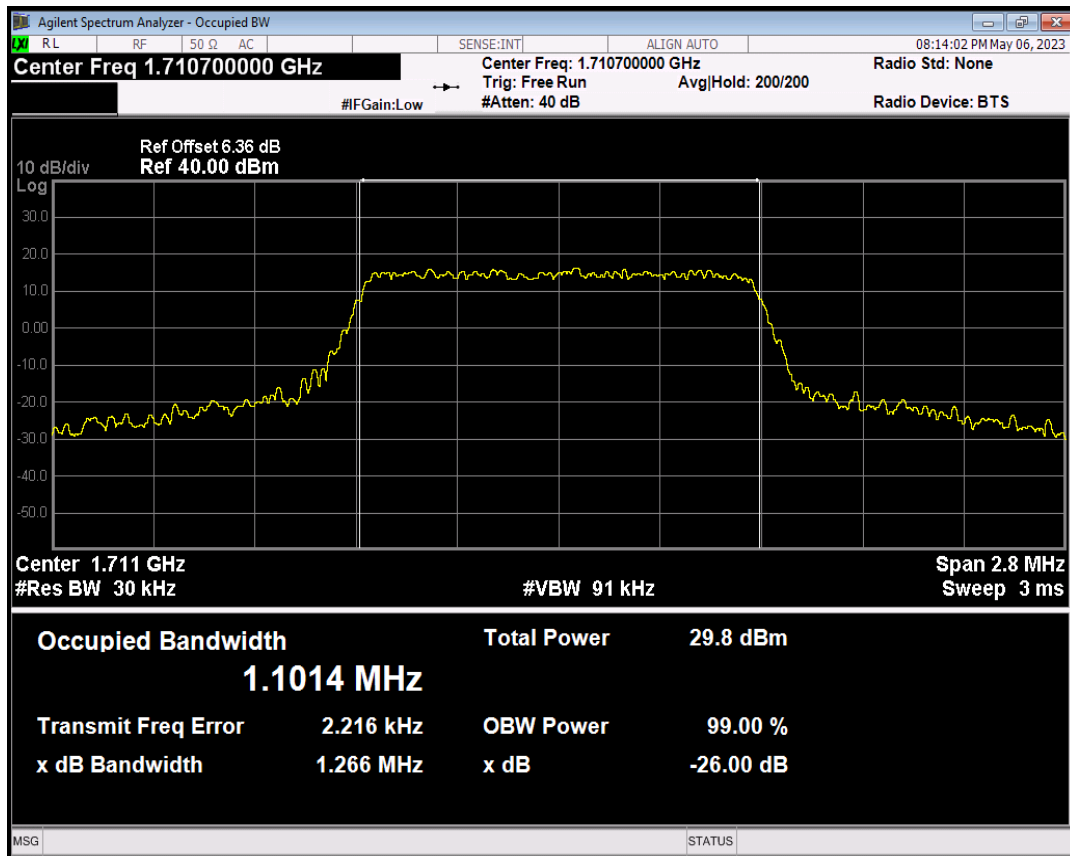
Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0



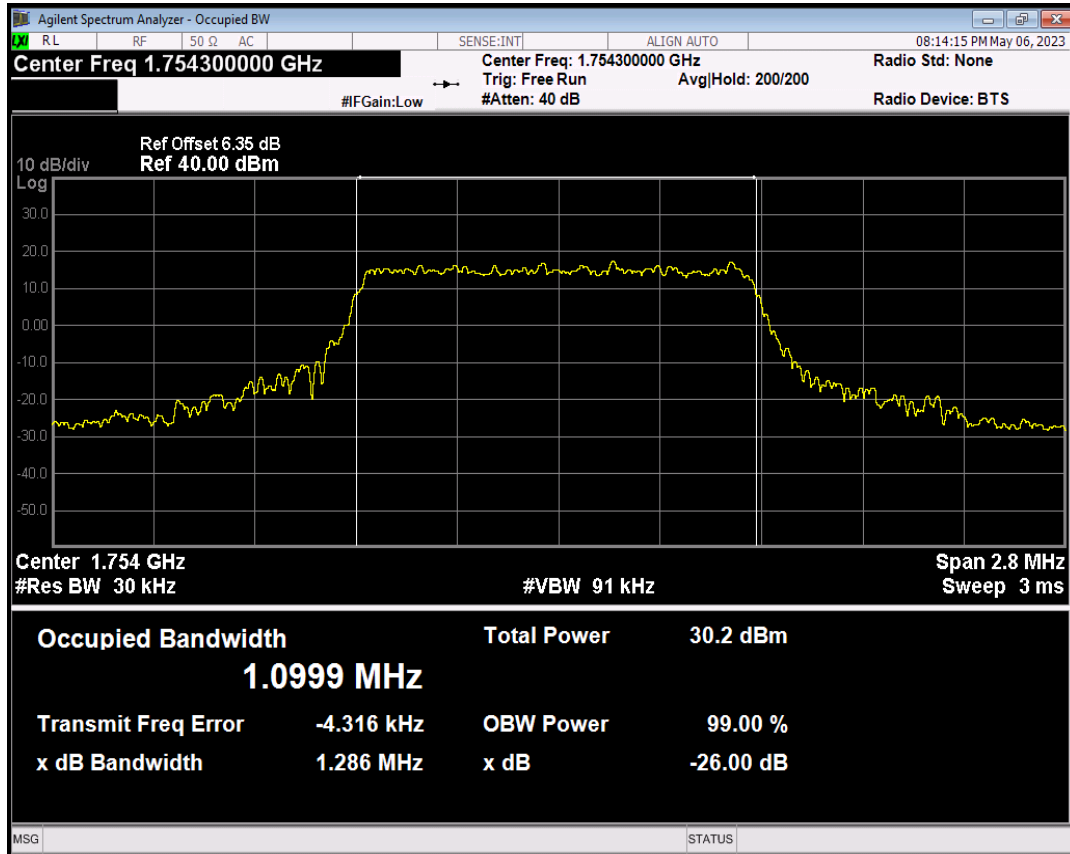
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



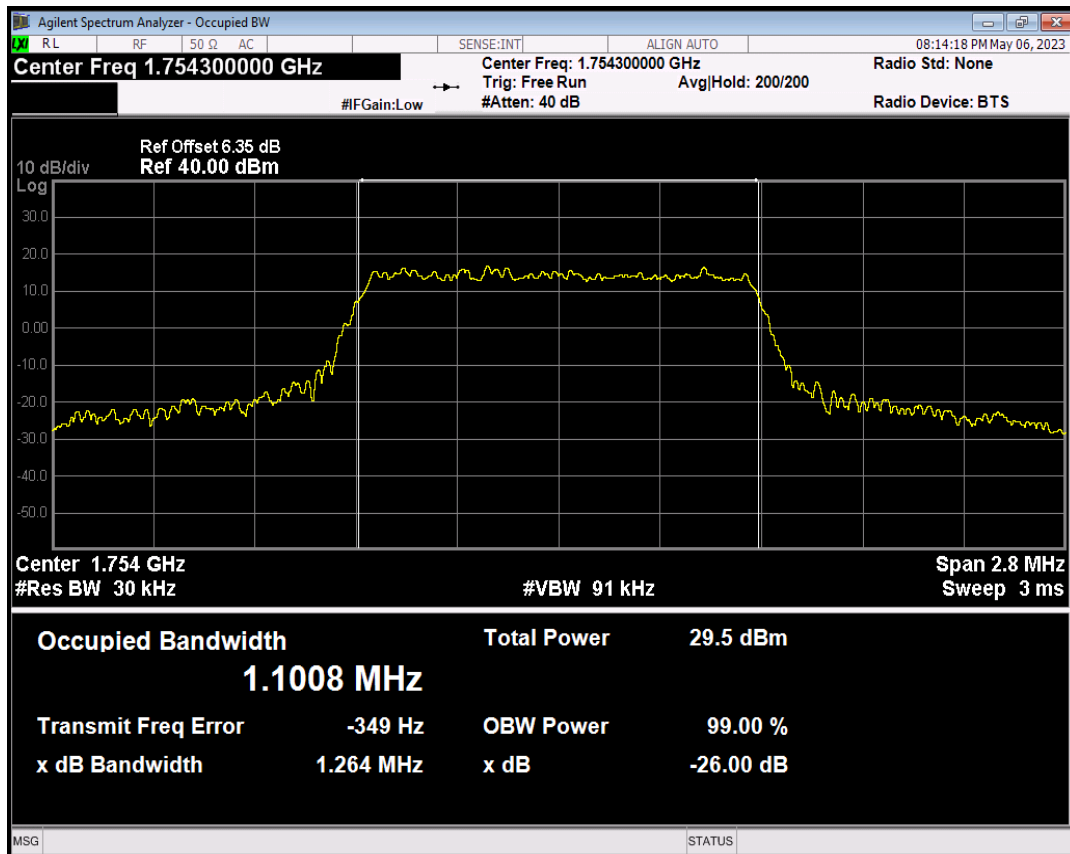
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



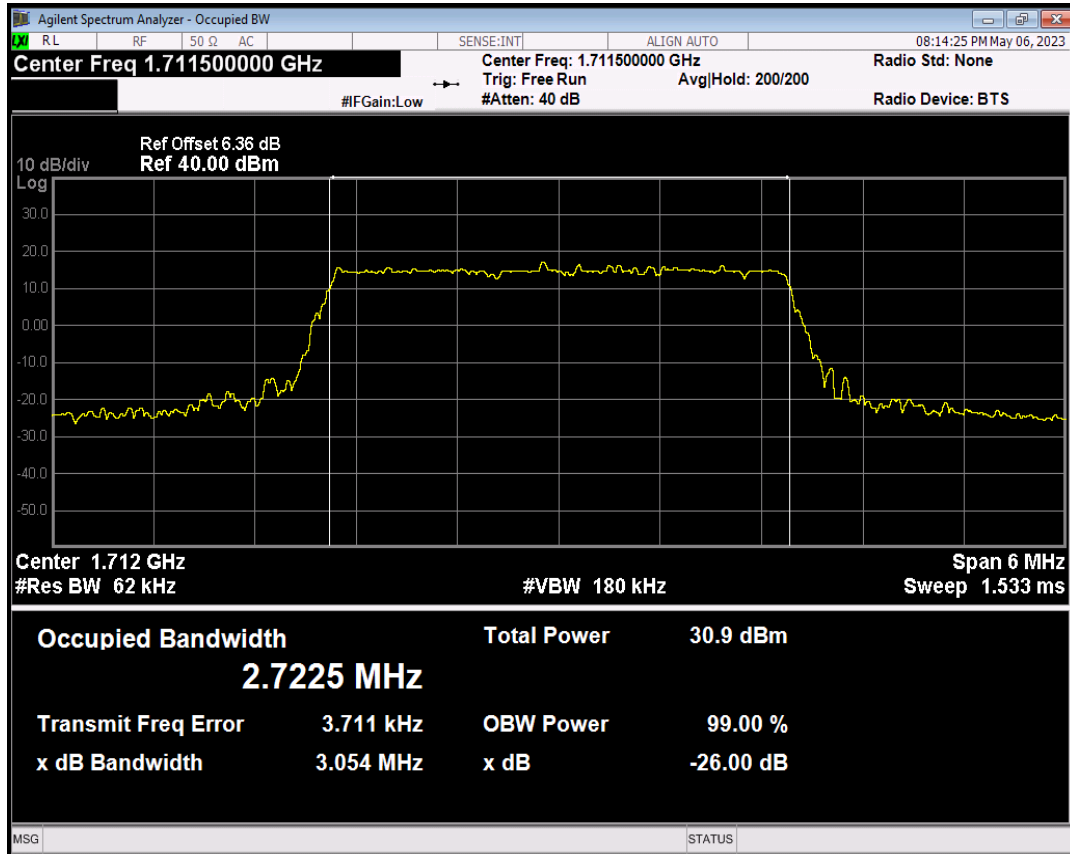
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



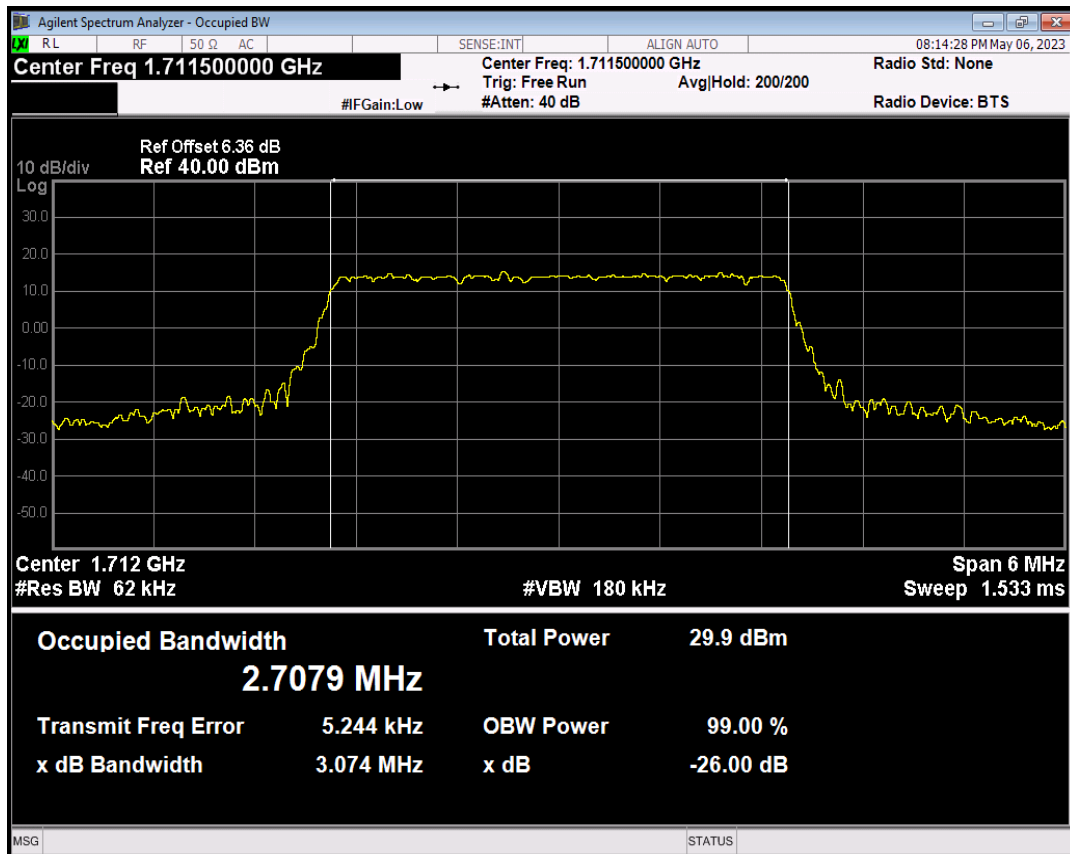
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



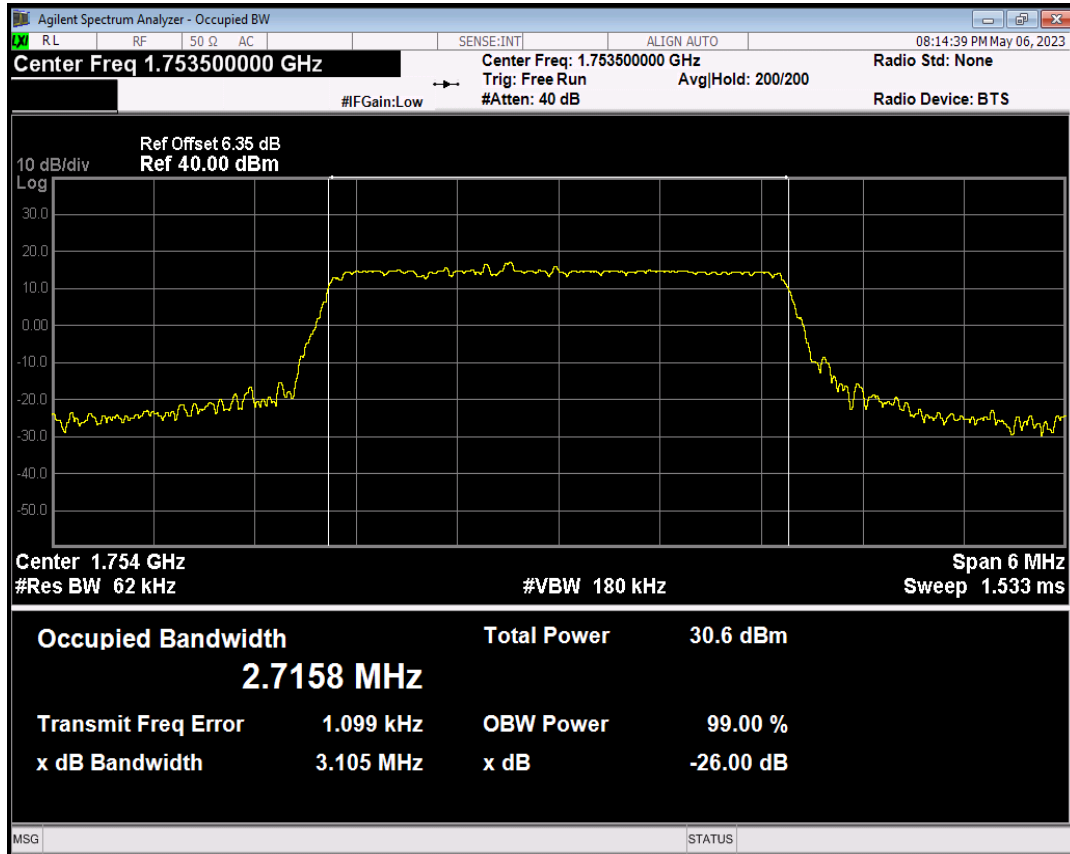
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



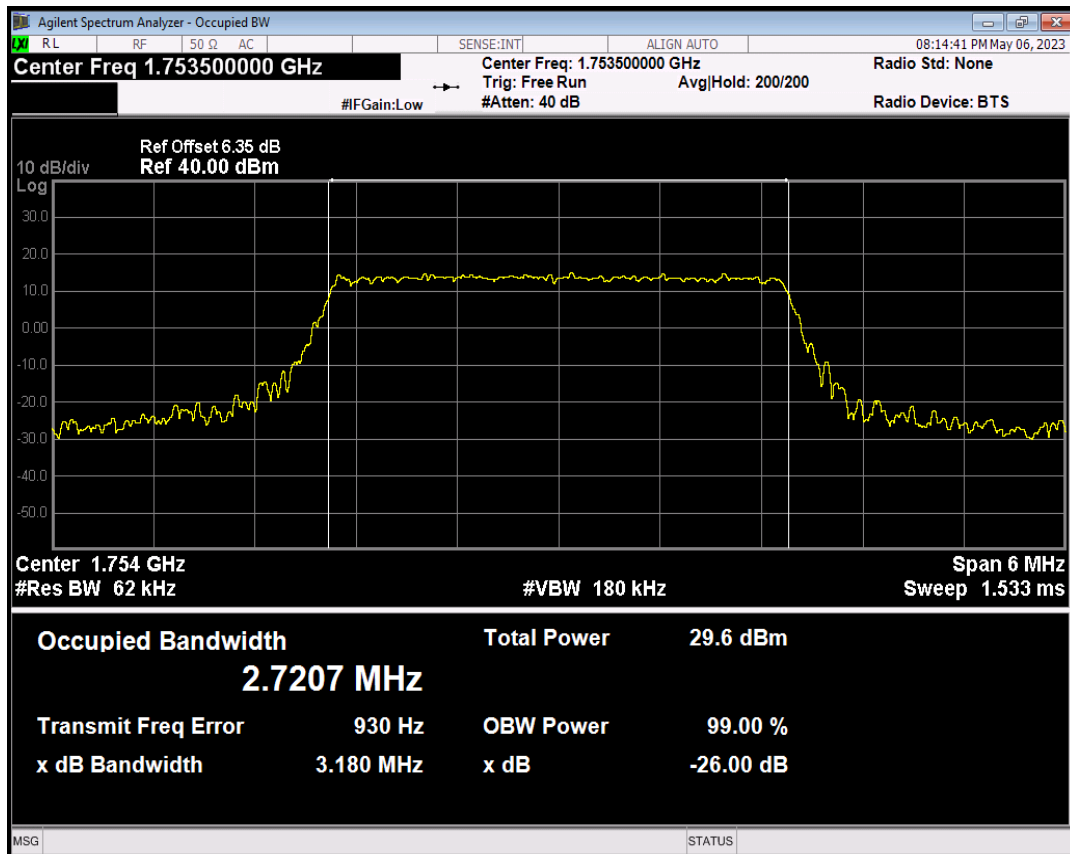
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



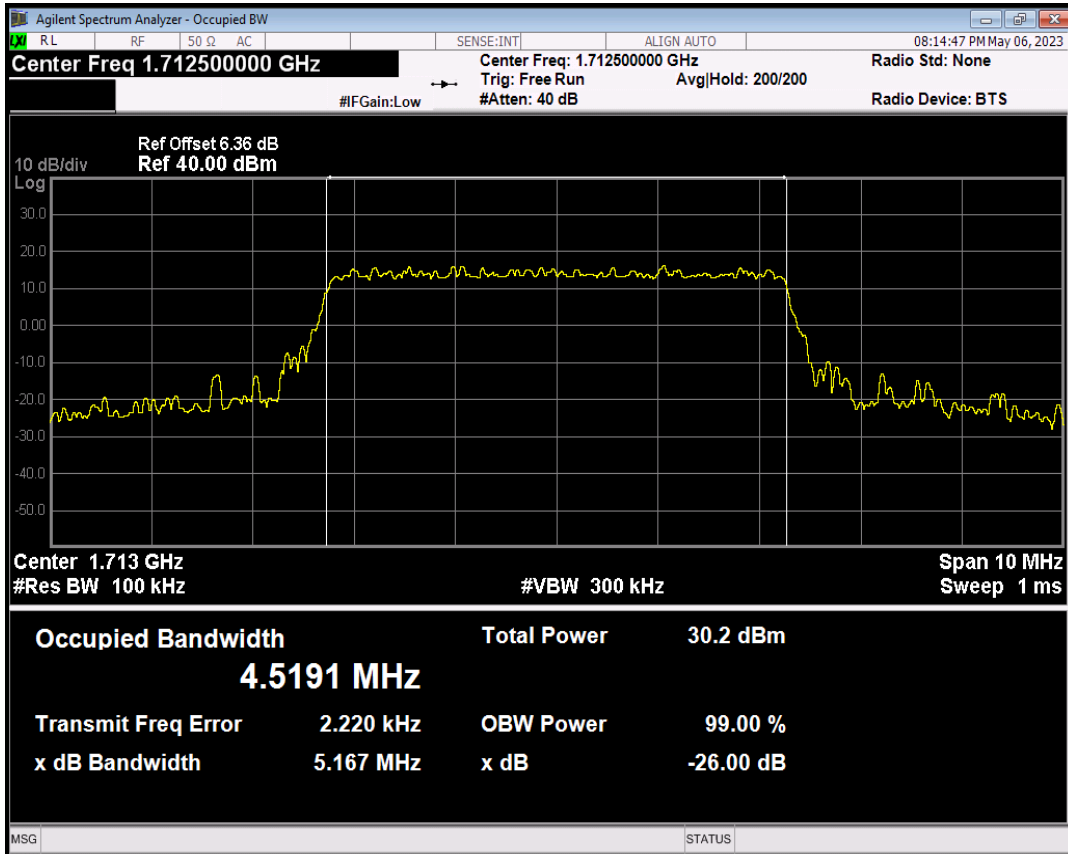
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



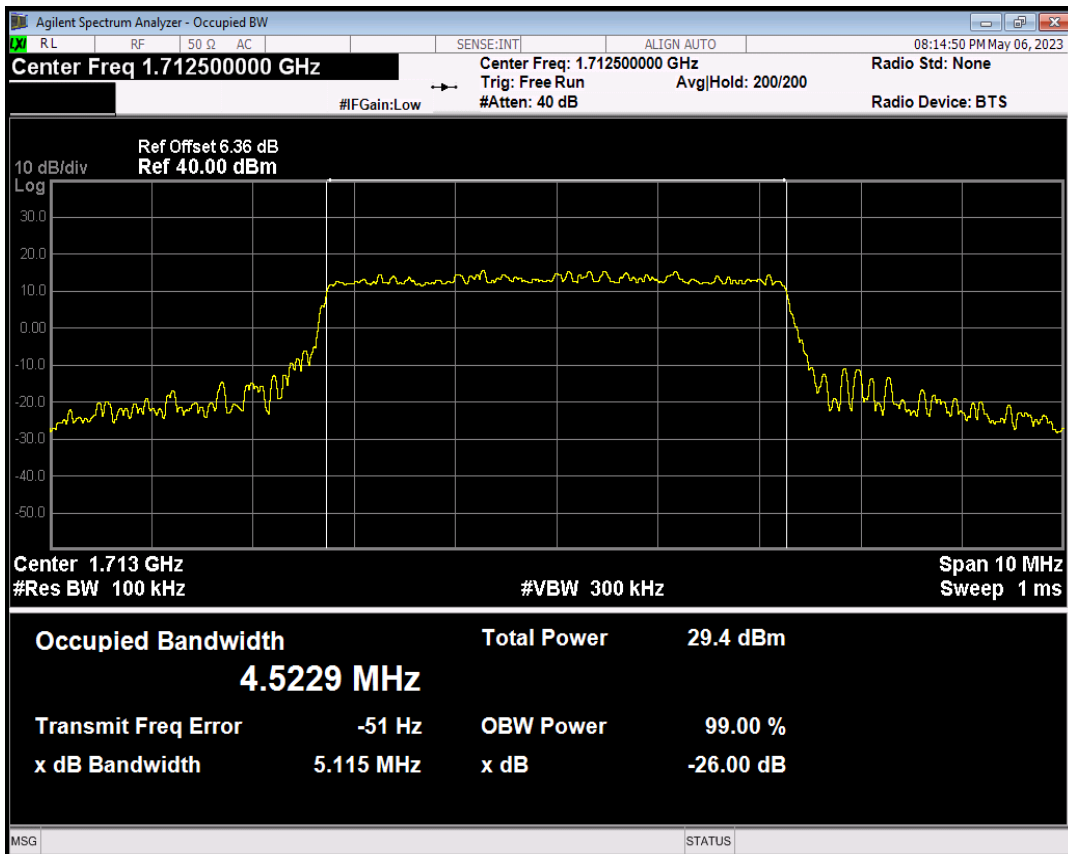
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



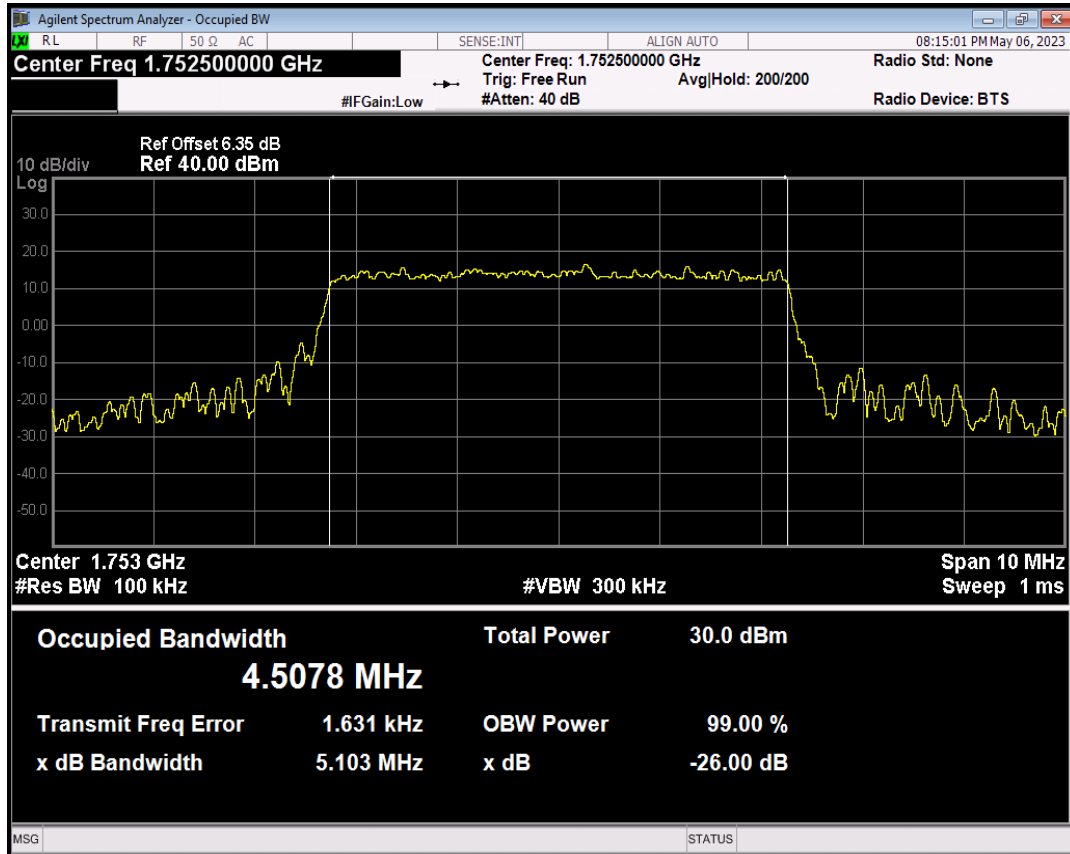
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



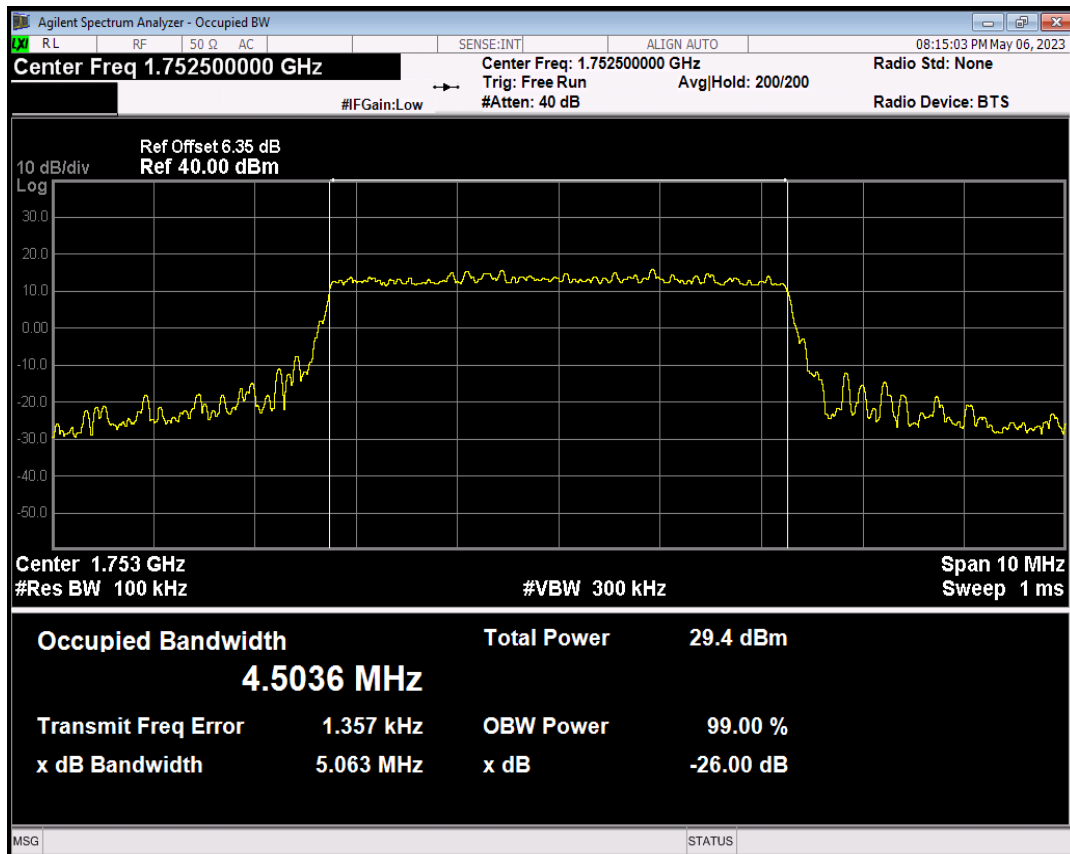
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0

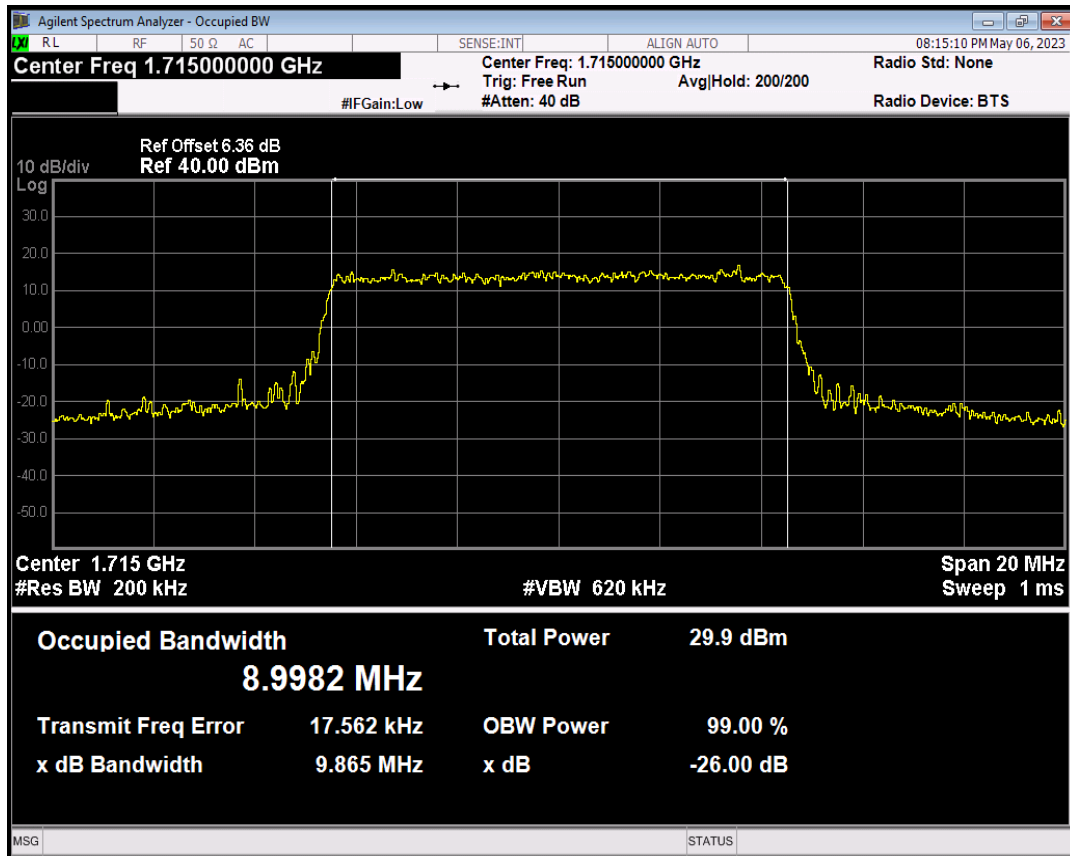


Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0

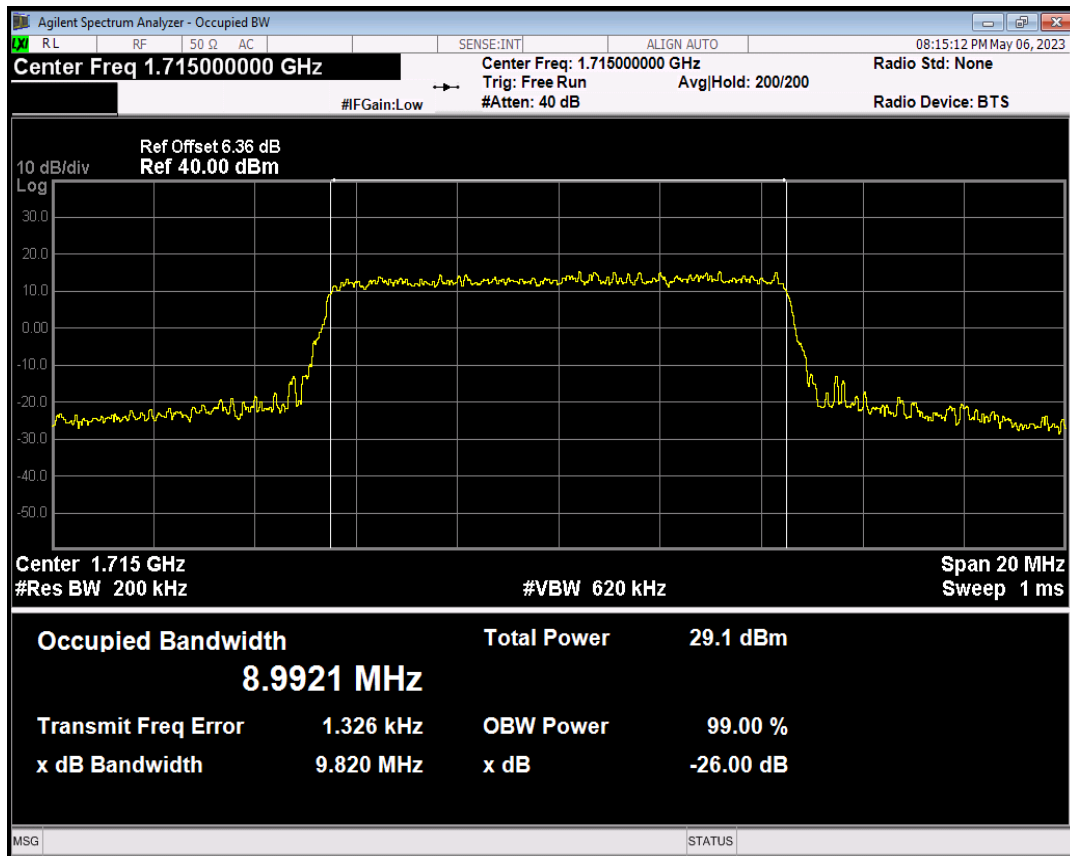


Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0

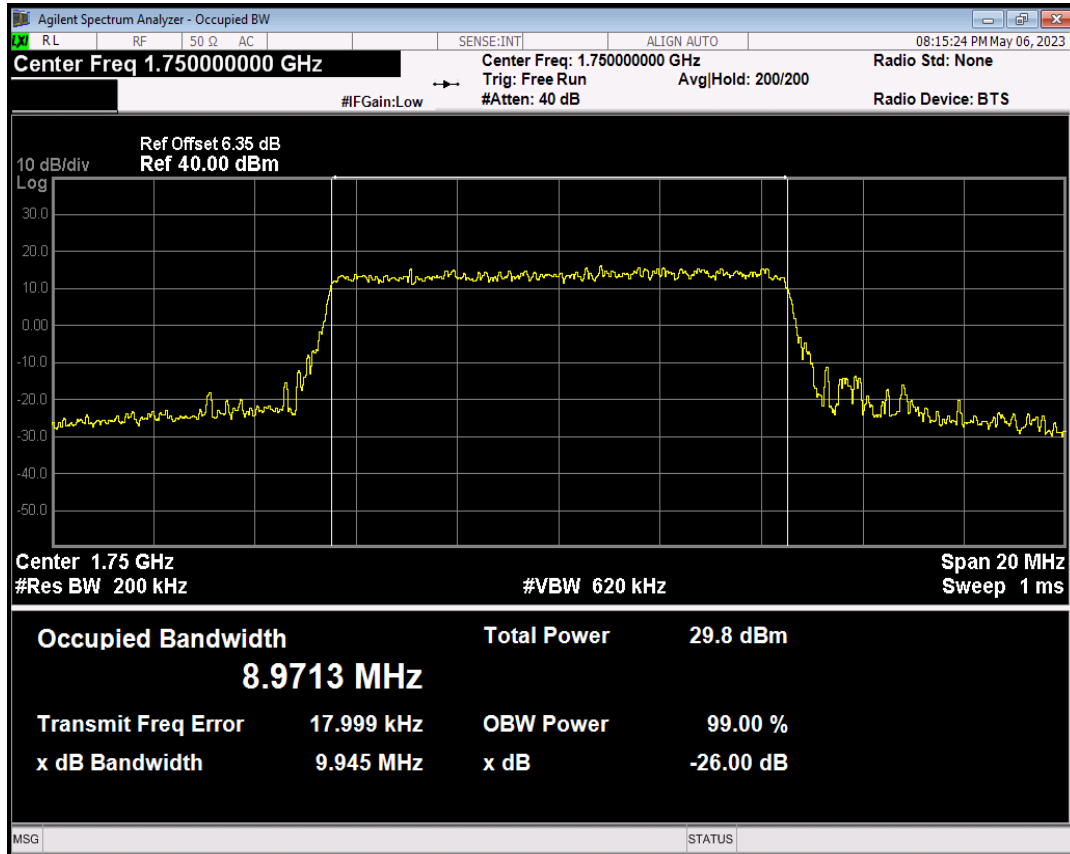




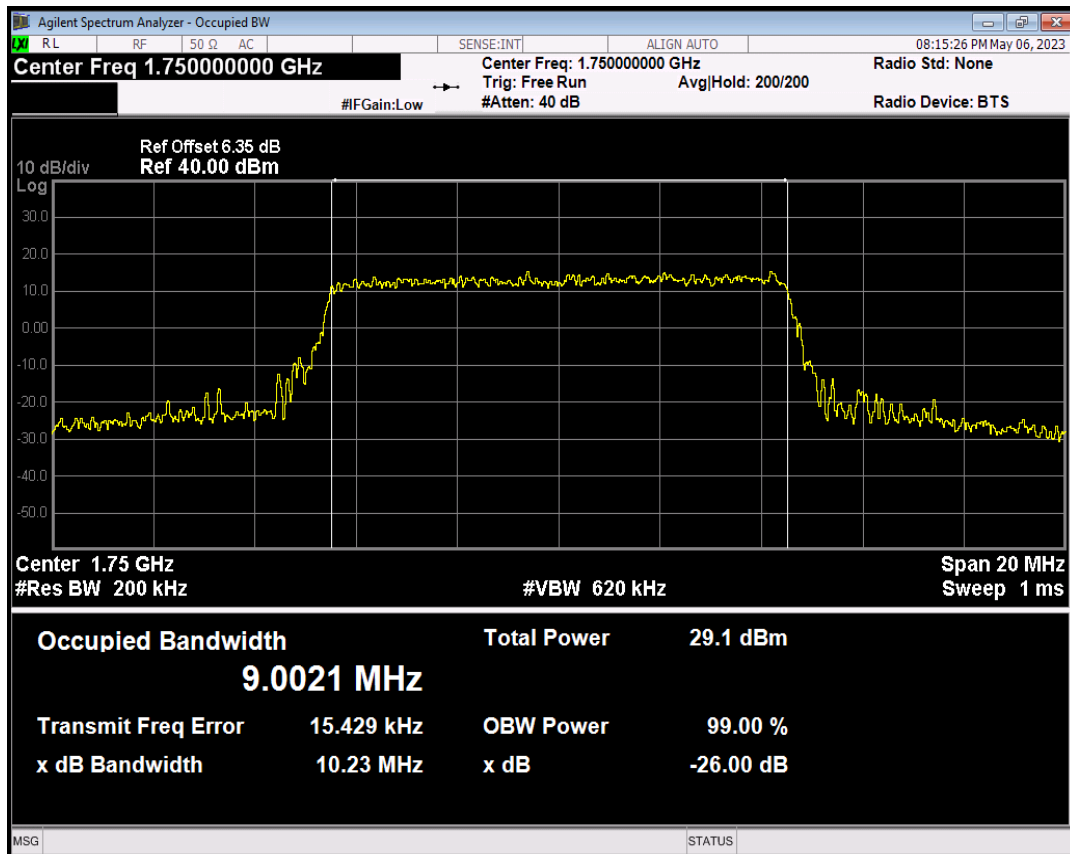
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



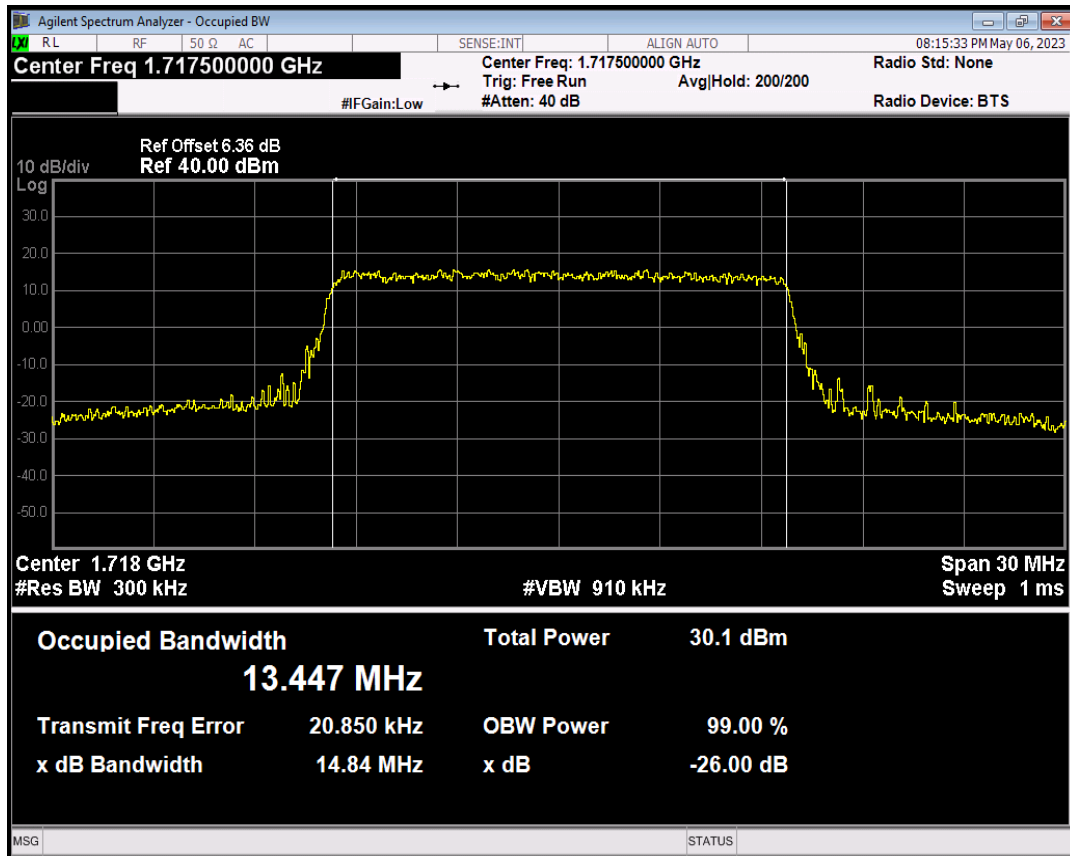
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



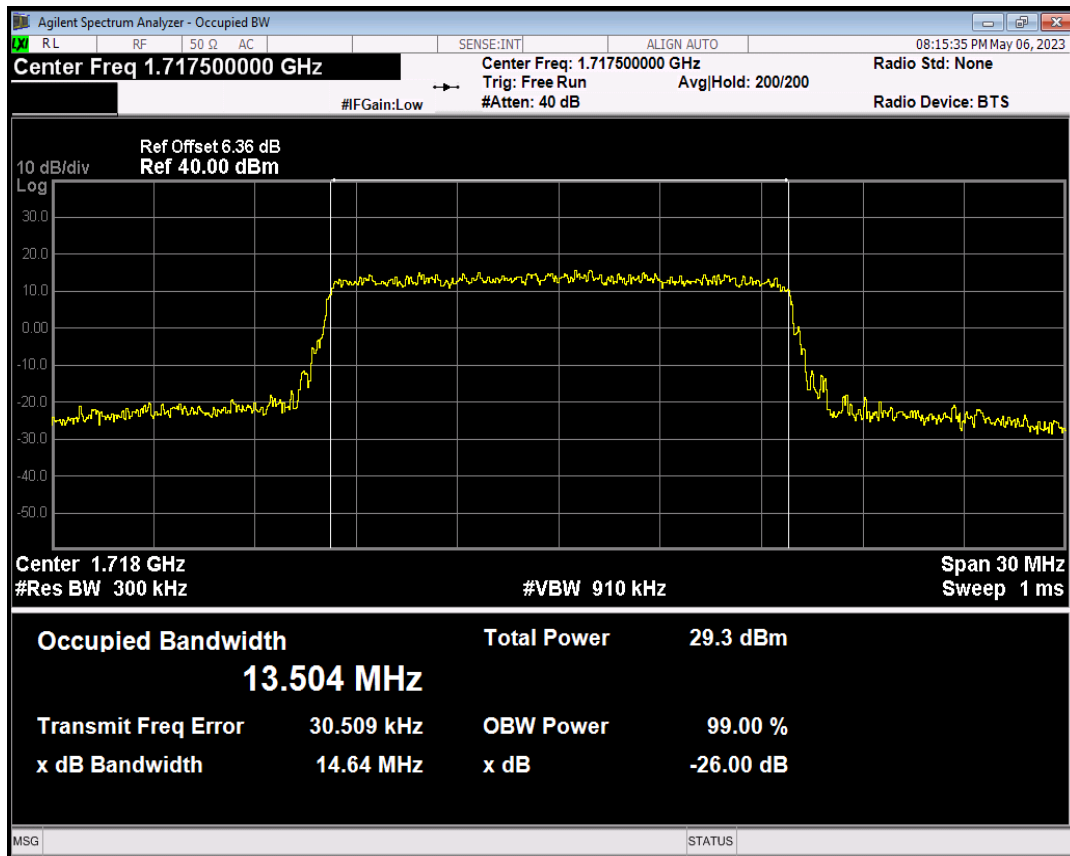
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



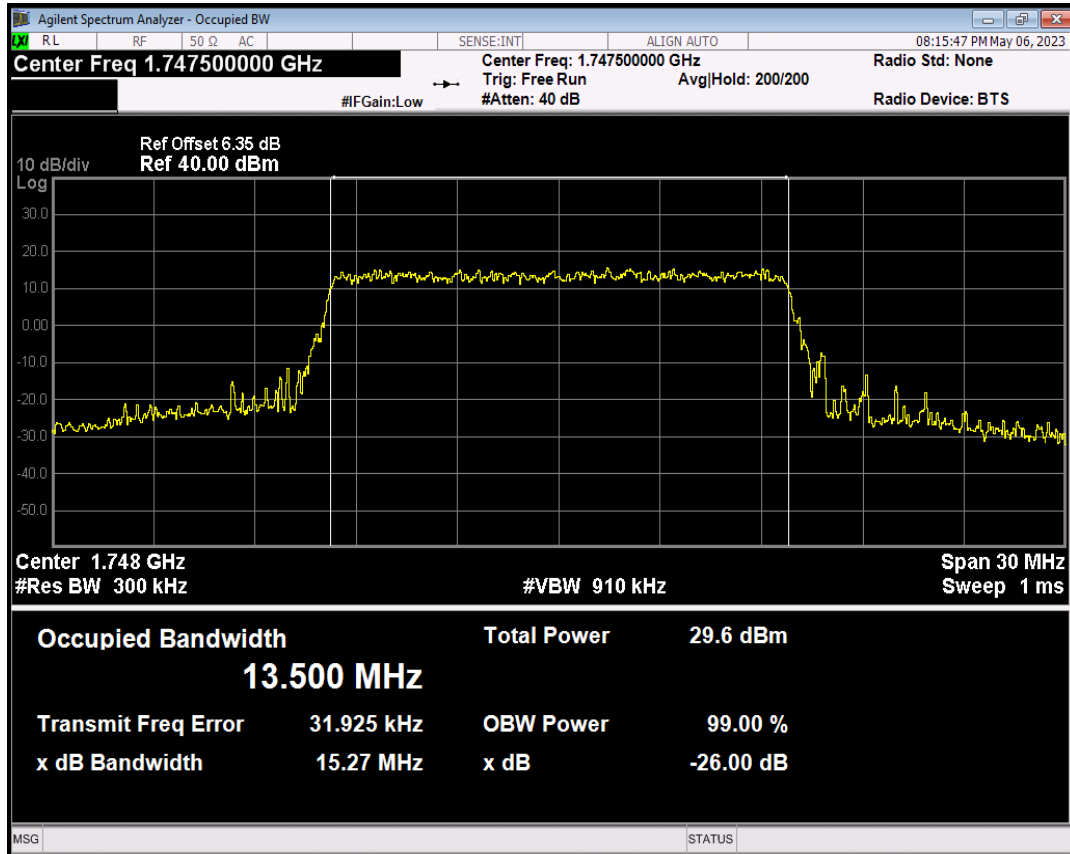
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



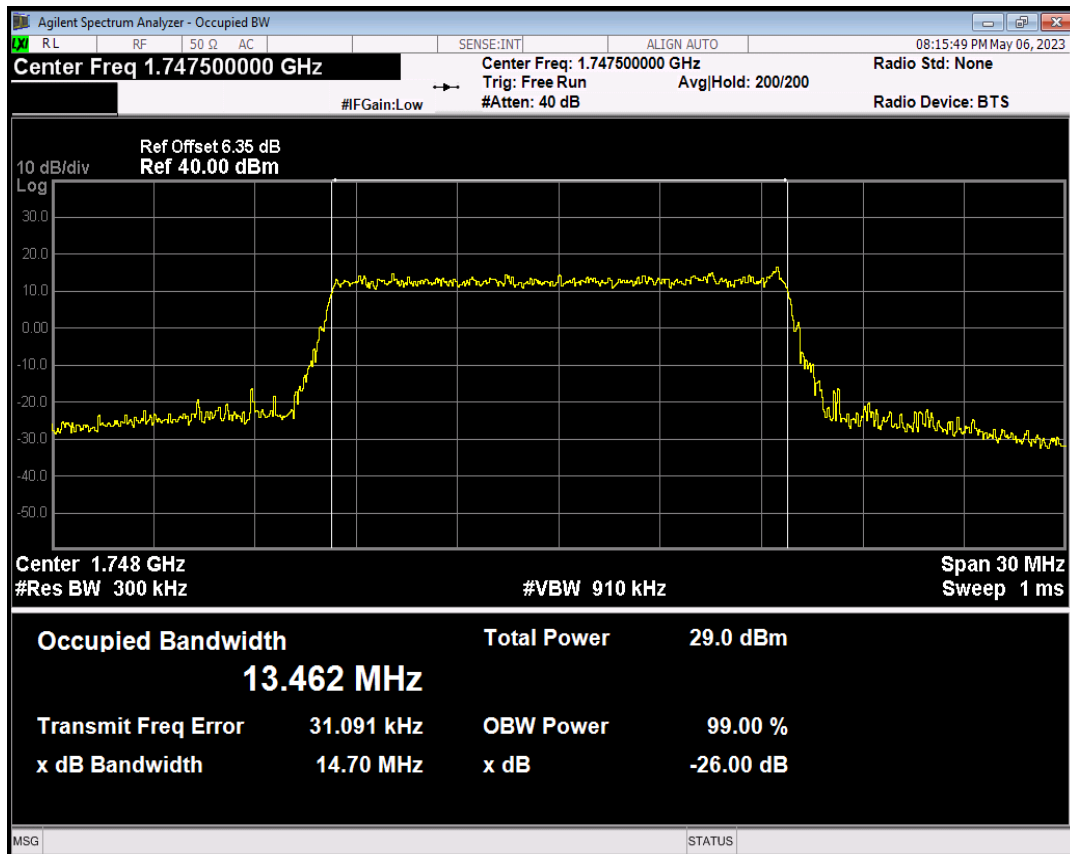
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



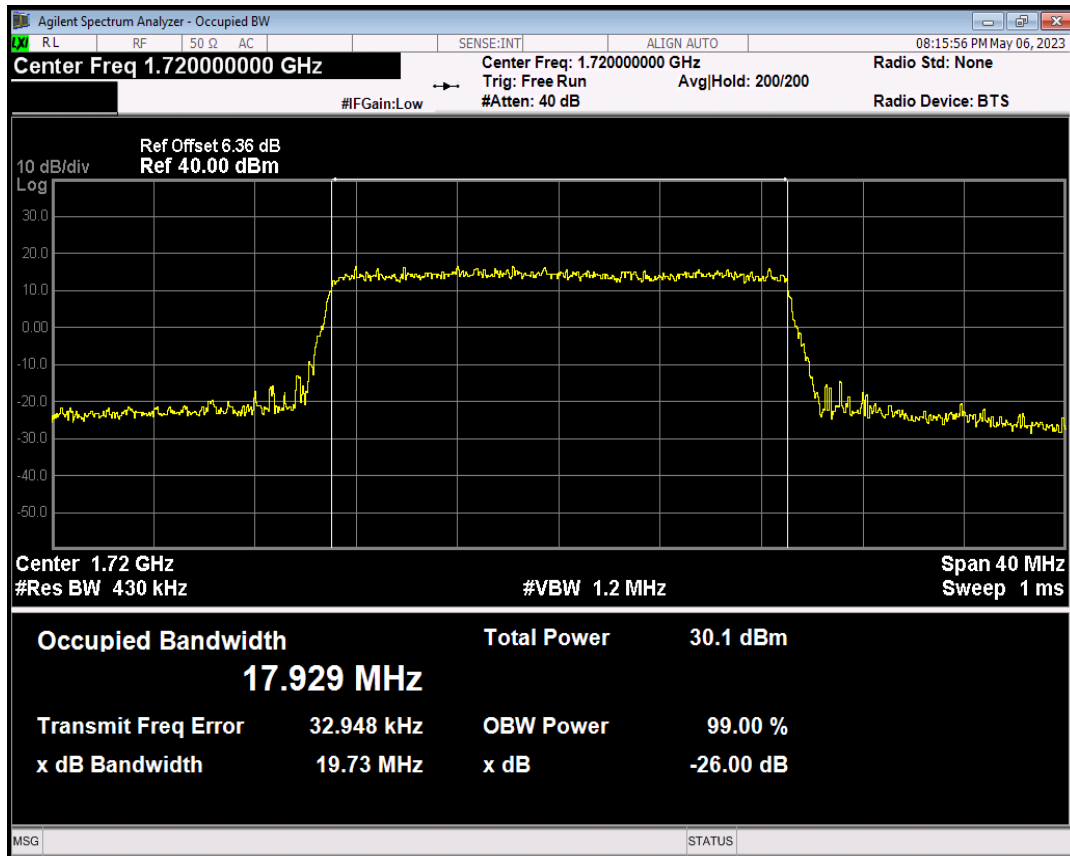
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



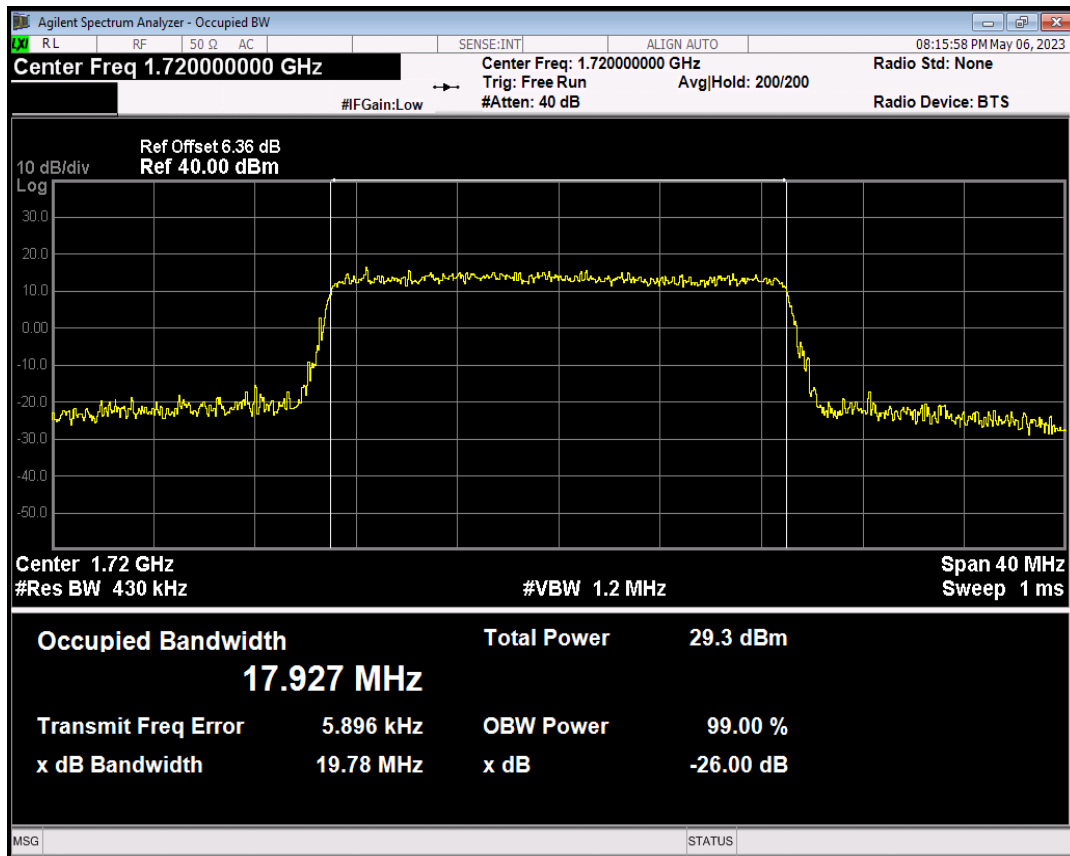
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



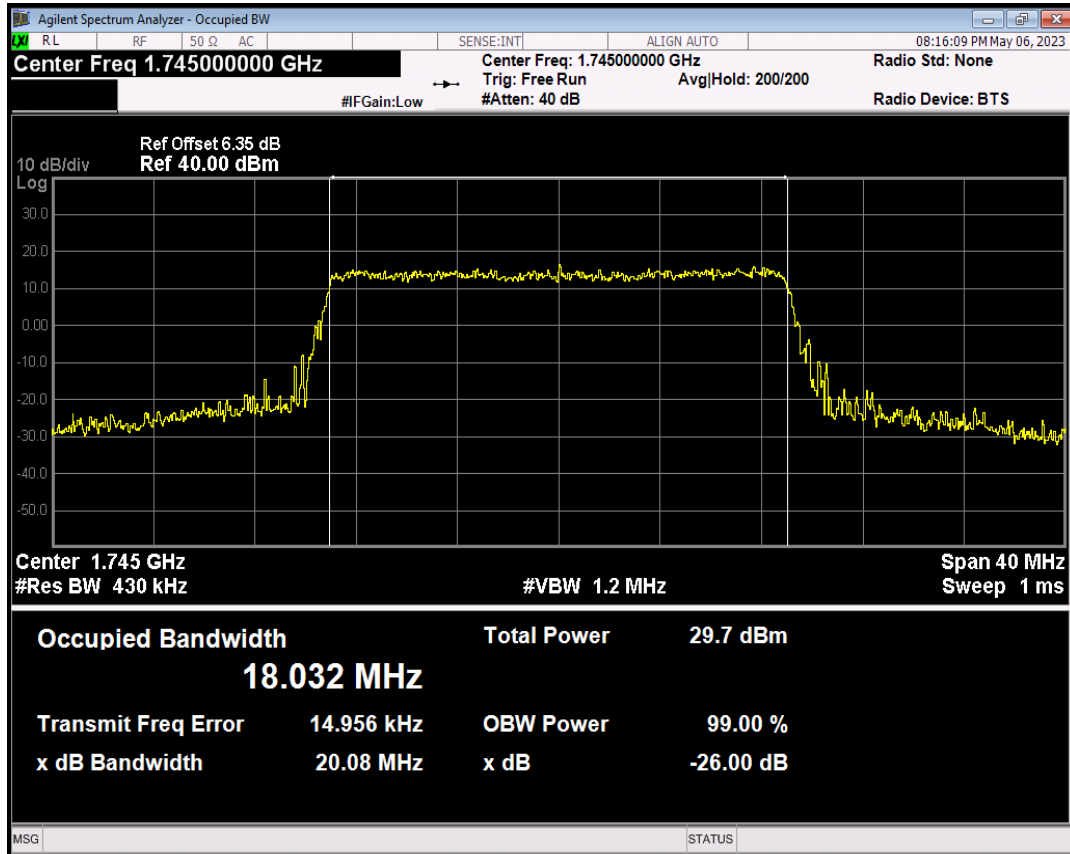
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



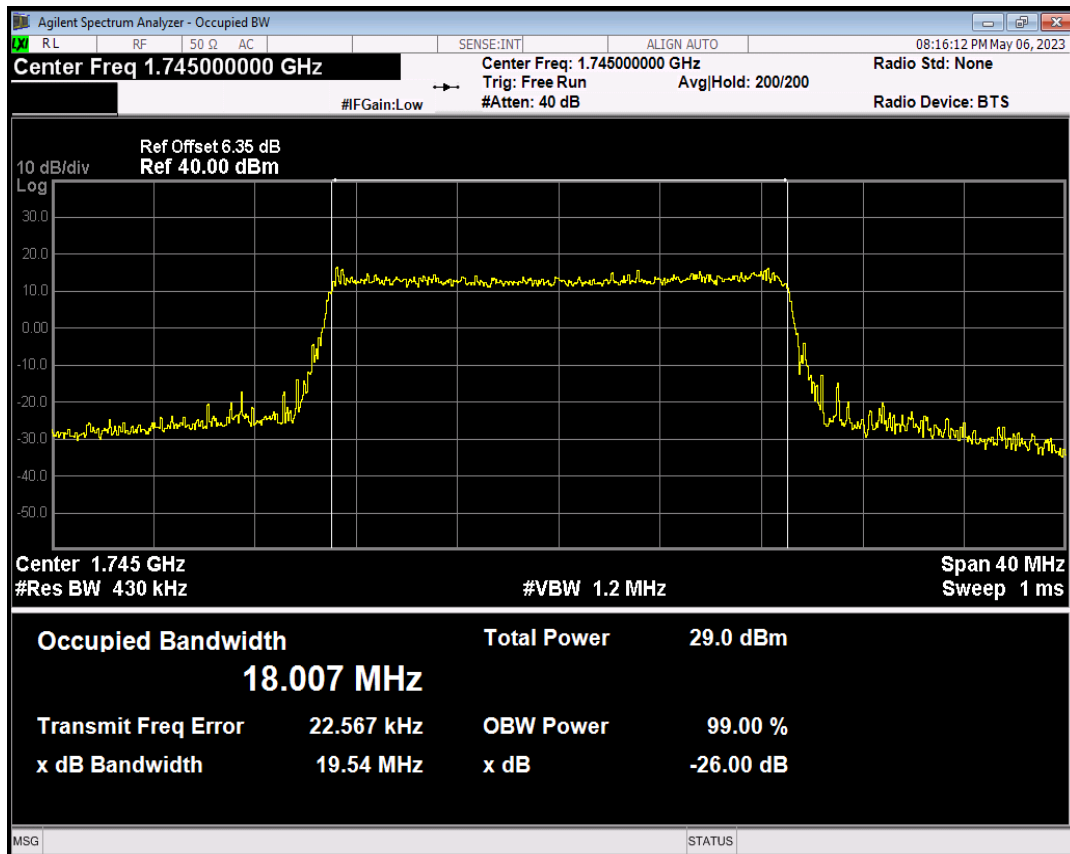
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



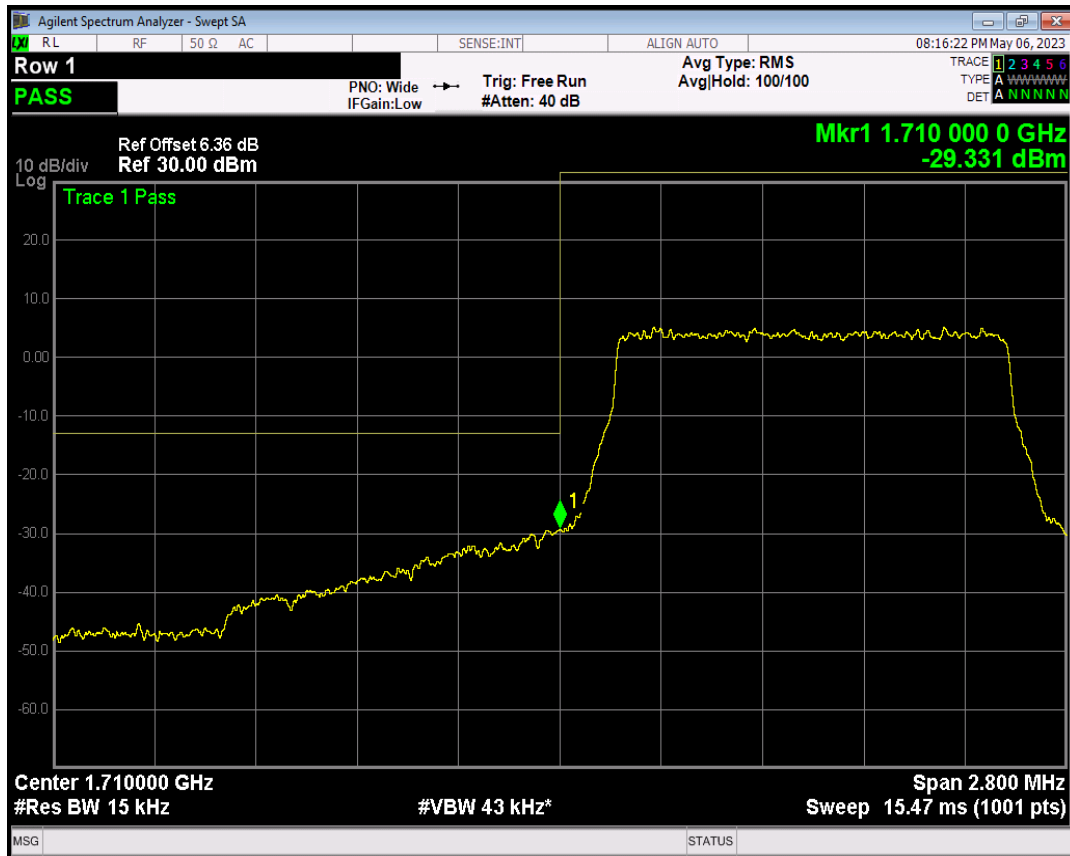
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



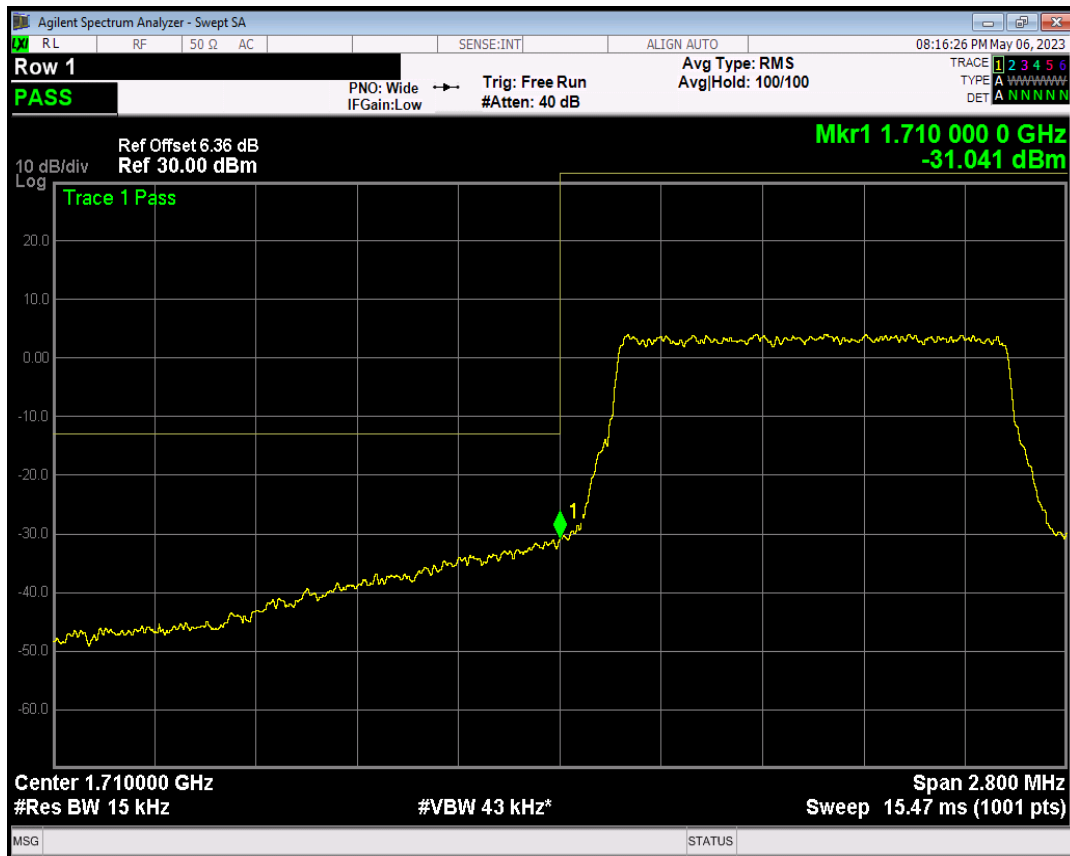
## Appendix 5. Band edge

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	1710.00	-29.33	-13	PASS
Band4	1.4	19957	6	#0	16QAM	1710.00	-31.04	-13	PASS
Band4	1.4	20393	6	#0	QPSK	1755.04	-32.88	-13	PASS
Band4	1.4	20393	6	#0	16QAM	1755.00	-32.45	-13	PASS
Band4	3	19965	15	#0	QPSK	1710.00	-23.75	-13	PASS
Band4	3	19965	15	#0	16QAM	1710.00	-25.11	-13	PASS
Band4	3	20385	15	#0	QPSK	1755.00	-26.90	-13	PASS
Band4	3	20385	15	#0	16QAM	1755.00	-24.90	-13	PASS
Band4	5	19975	25	#0	QPSK	1709.99	-26.78	-13	PASS
Band4	5	19975	25	#0	16QAM	1709.99	-28.84	-13	PASS
Band4	5	20375	25	#0	QPSK	1755.00	-27.81	-13	PASS
Band4	5	20375	25	#0	16QAM	1755.03	-29.75	-13	PASS
Band4	10	20000	50	#0	QPSK	1709.72	-30.40	-13	PASS
Band4	10	20000	50	#0	16QAM	1710.00	-30.72	-13	PASS
Band4	10	20350	50	#0	QPSK	1755.02	-31.85	-13	PASS
Band4	10	20350	50	#0	16QAM	1755.00	-33.72	-13	PASS
Band4	15	20025	75	#0	QPSK	1709.79	-30.05	-13	PASS
Band4	15	20025	75	#0	16QAM	1710.00	-31.99	-13	PASS
Band4	15	20325	75	#0	QPSK	1755.06	-31.23	-13	PASS
Band4	15	20325	75	#0	16QAM	1755.00	-35.20	-13	PASS
Band4	20	20050	100	#0	QPSK	1709.96	-30.76	-13	PASS
Band4	20	20050	100	#0	16QAM	1709.16	-33.97	-13	PASS
Band4	20	20300	100	#0	QPSK	1755.16	-35.21	-13	PASS
Band4	20	20300	100	#0	16QAM	1755.00	-35.77	-13	PASS

Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0

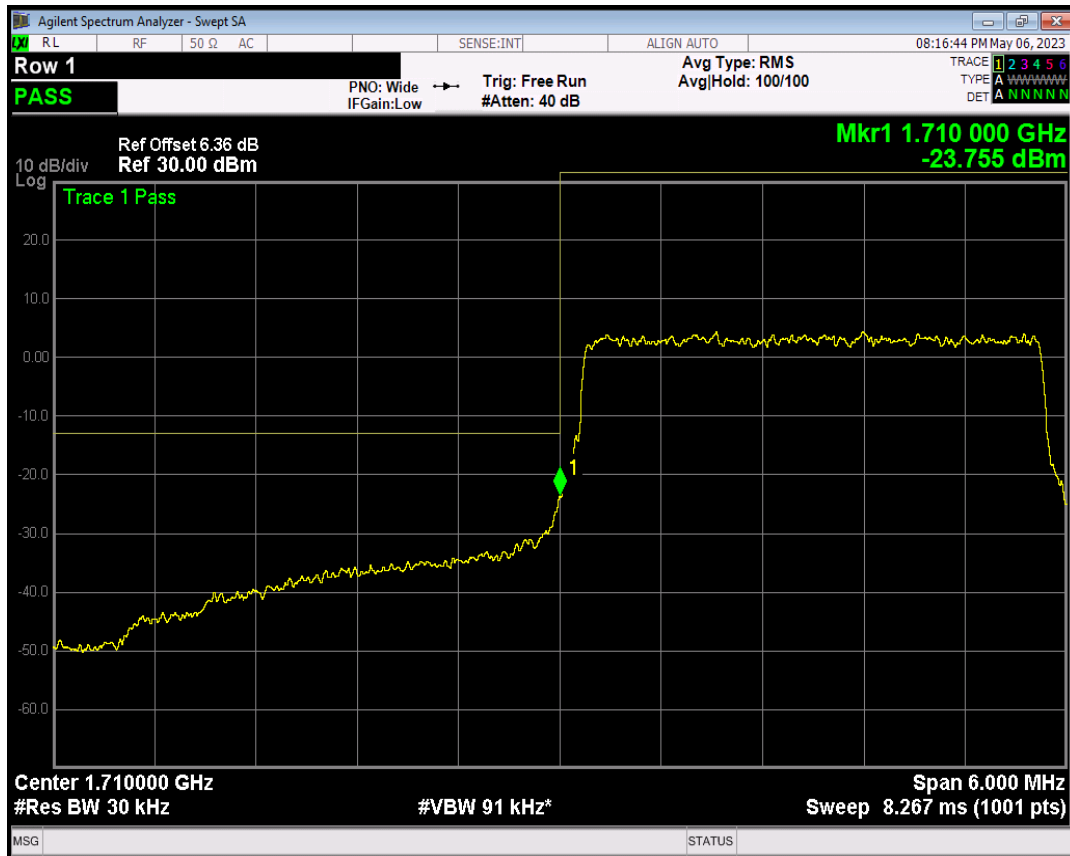




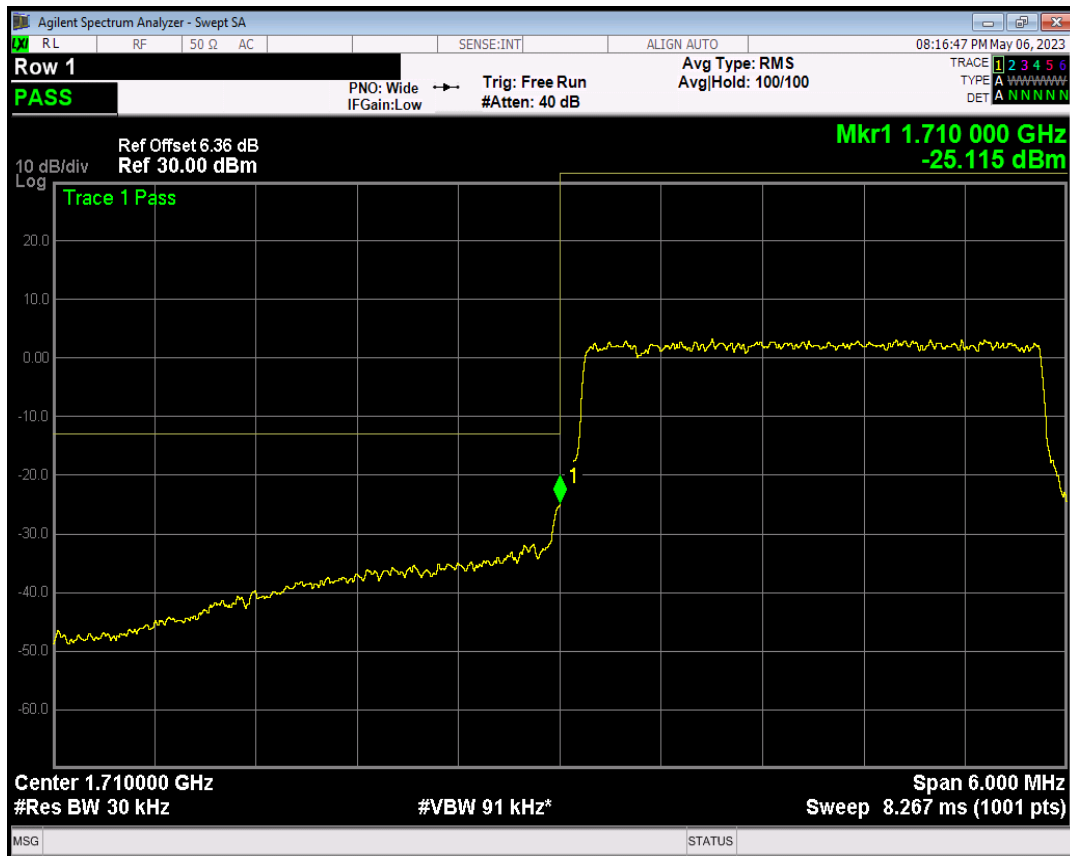
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



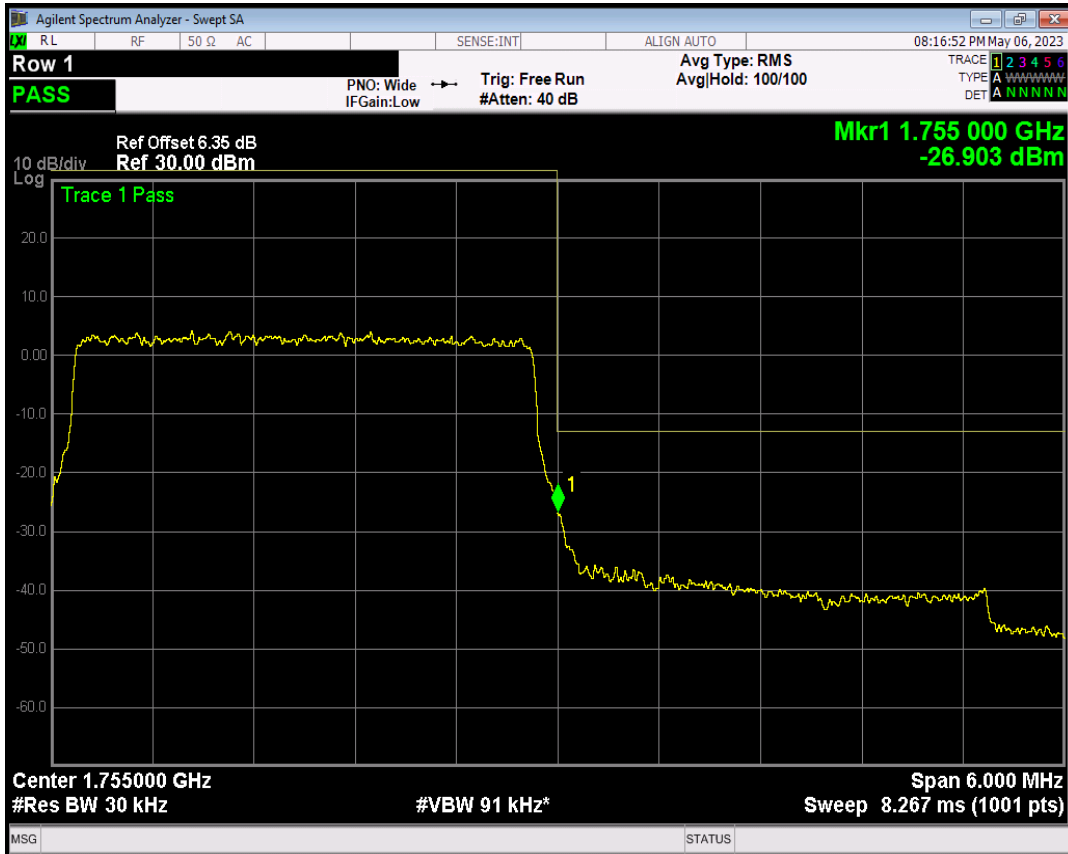
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



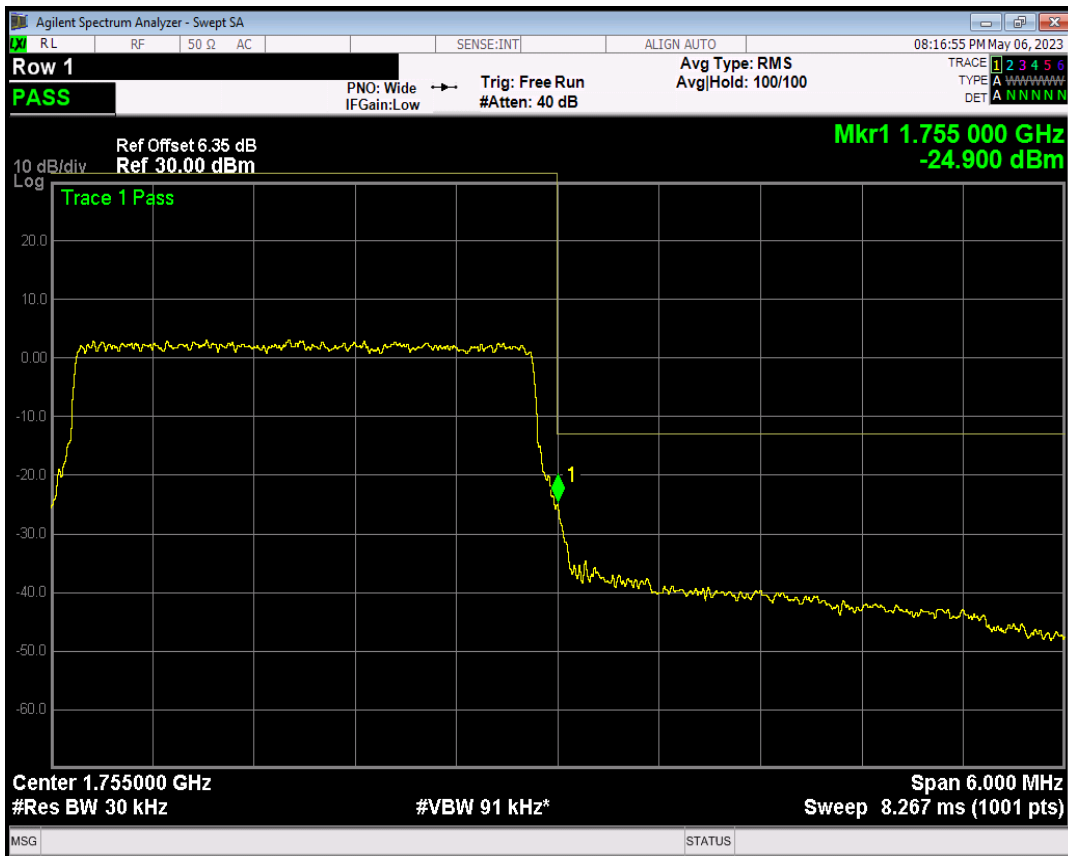
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



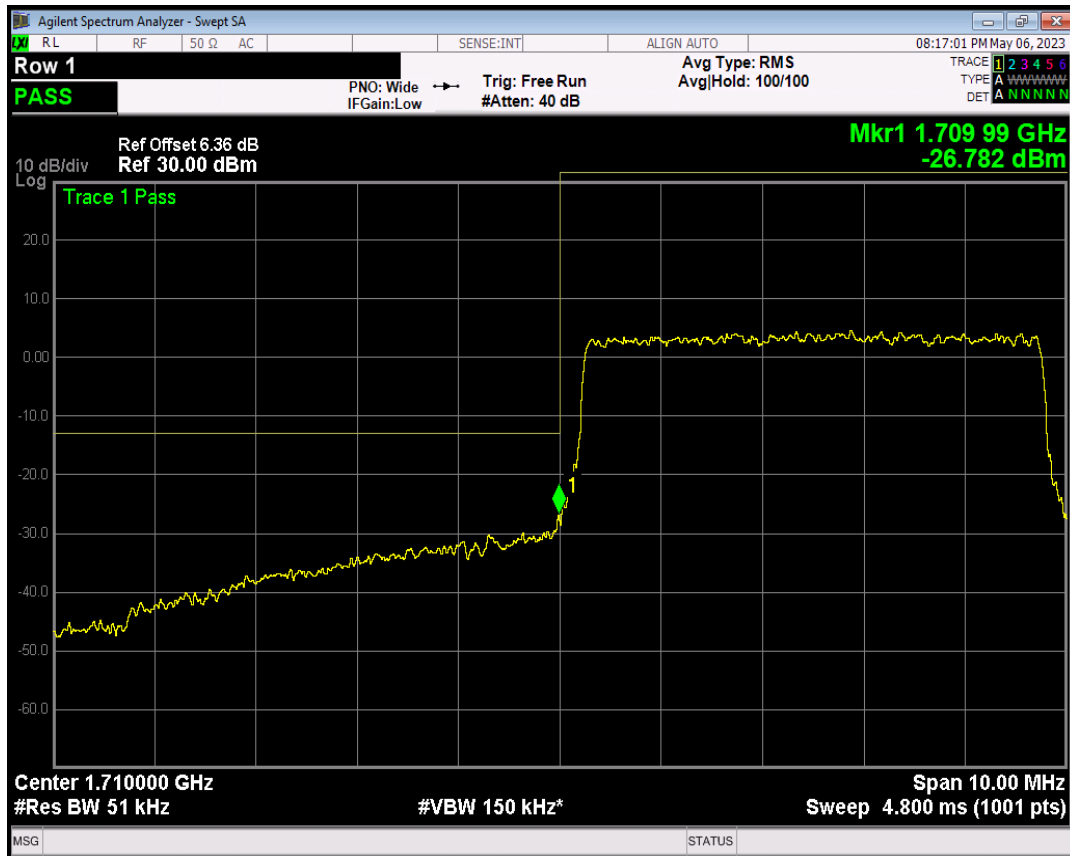
Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0



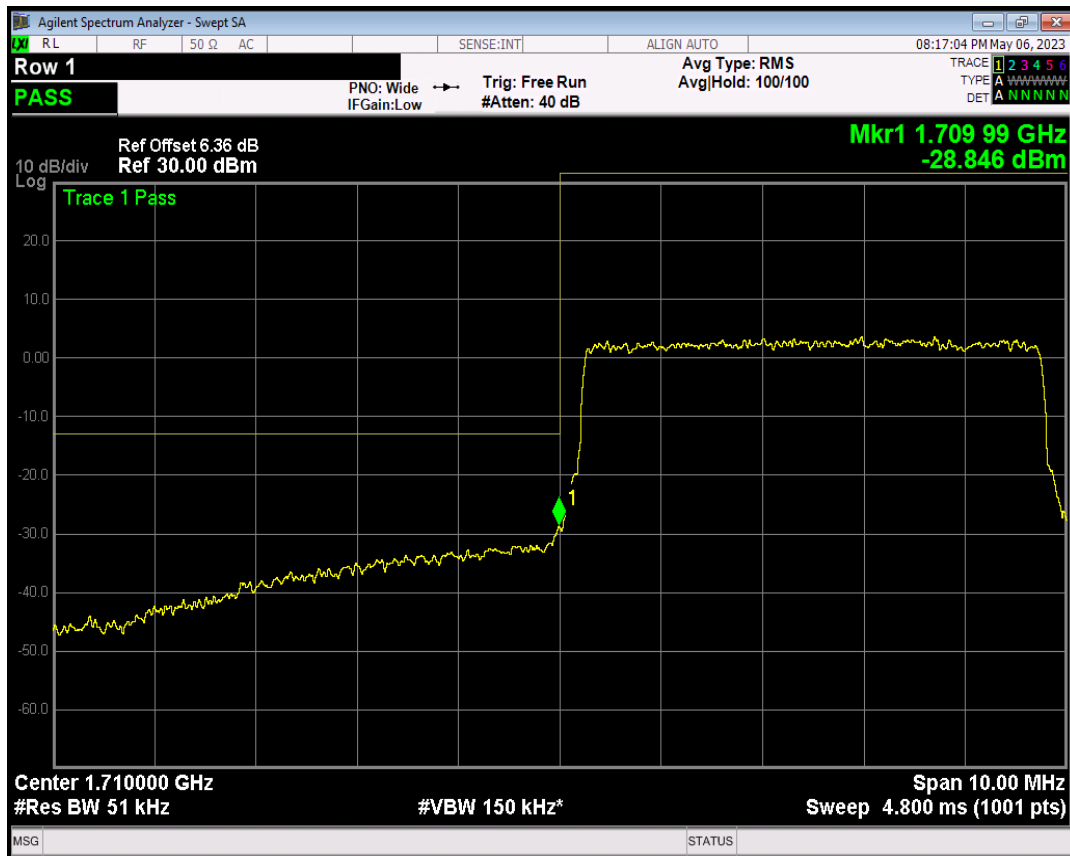
Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0



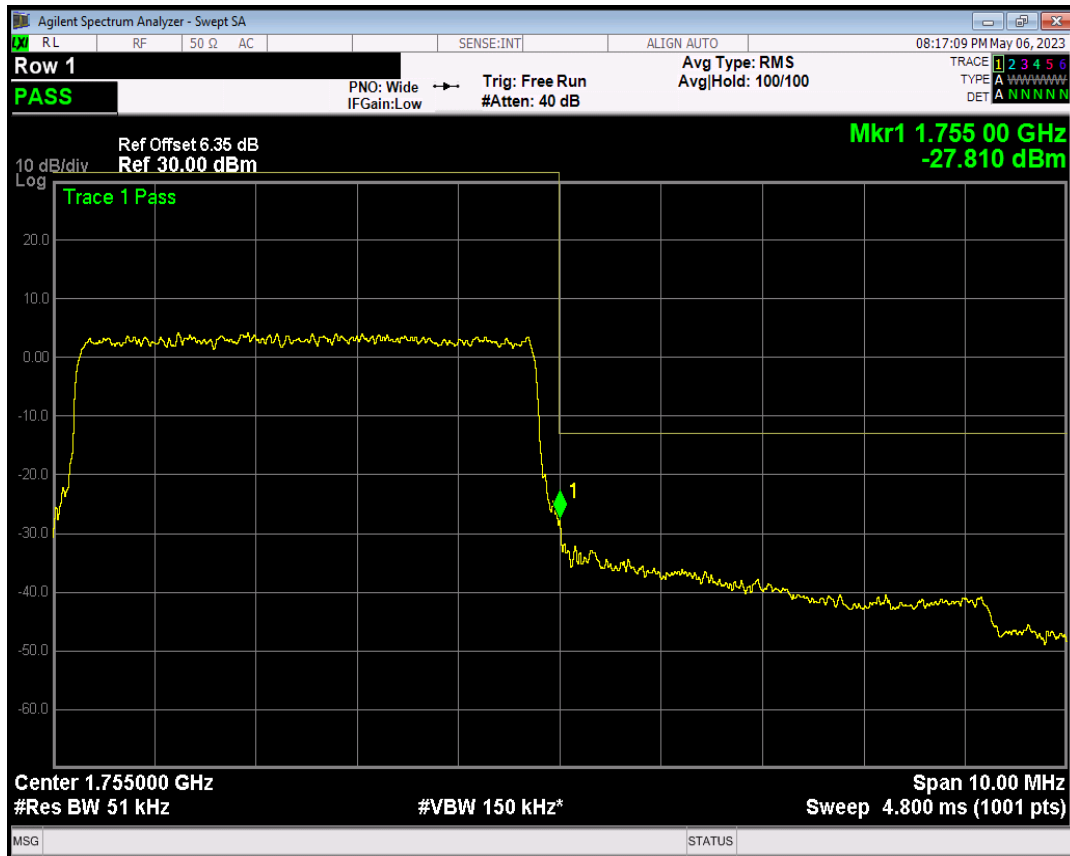
Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0



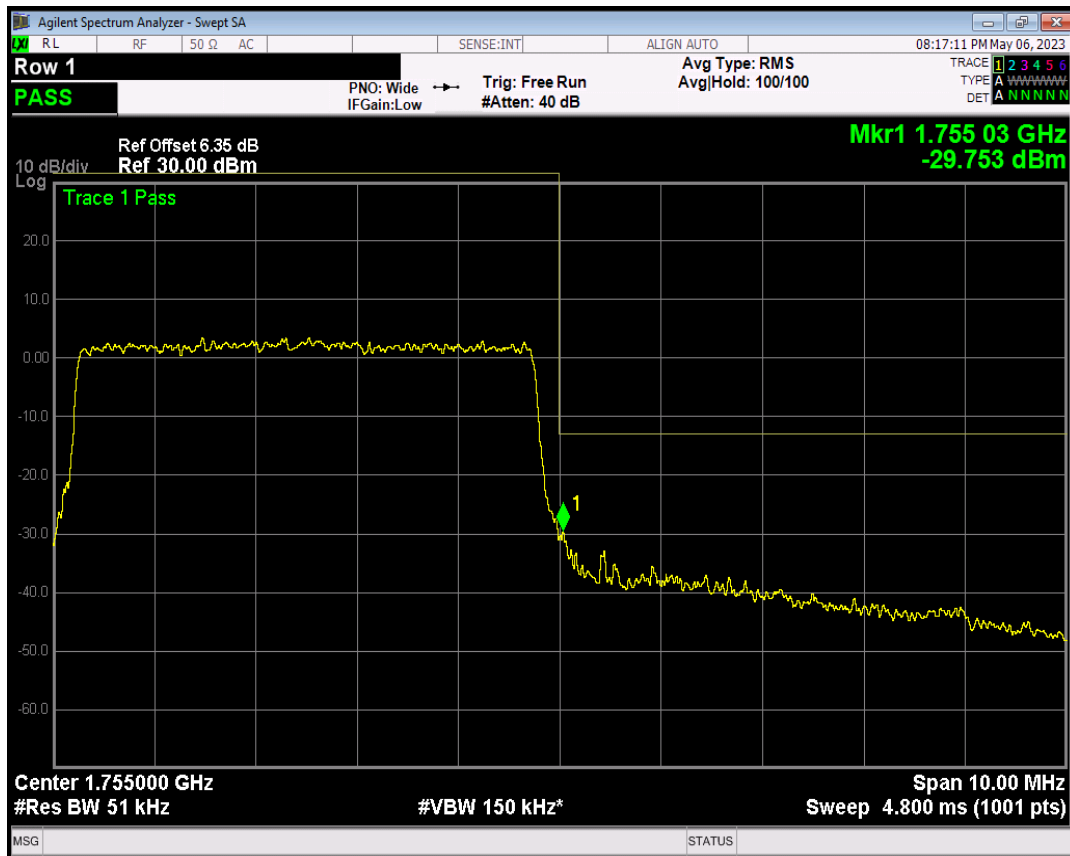
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



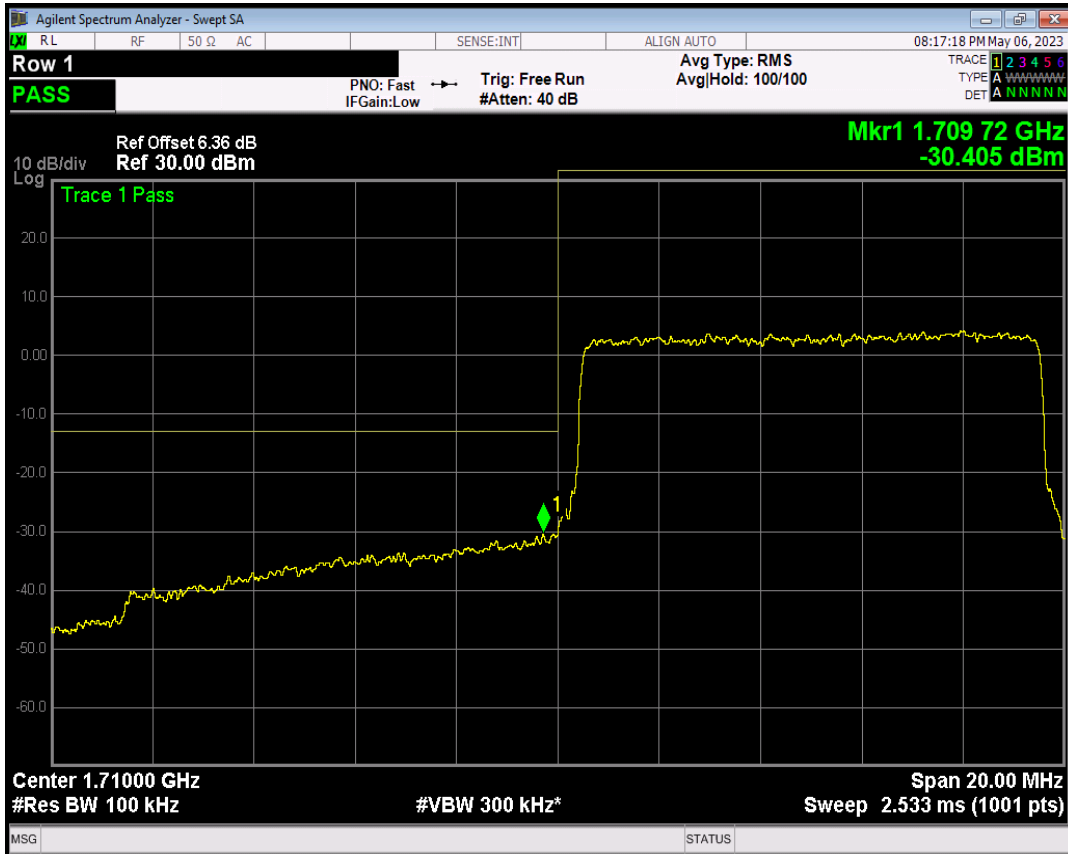
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



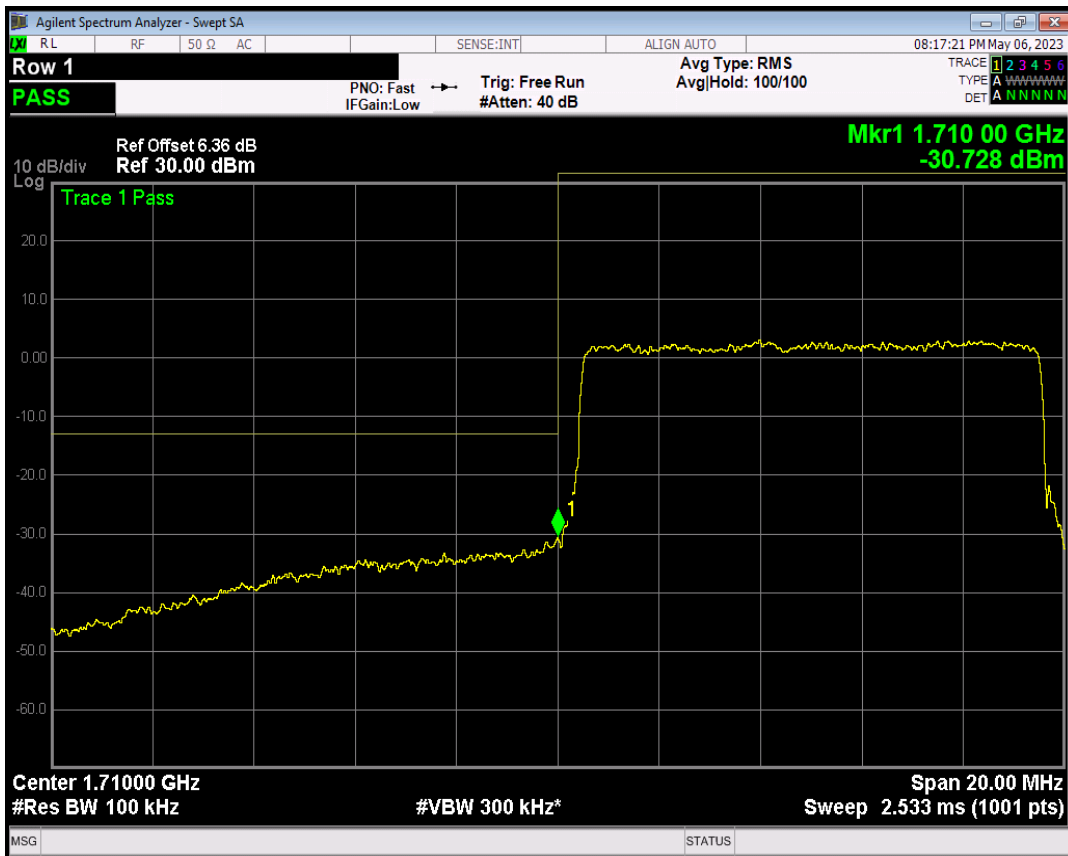
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



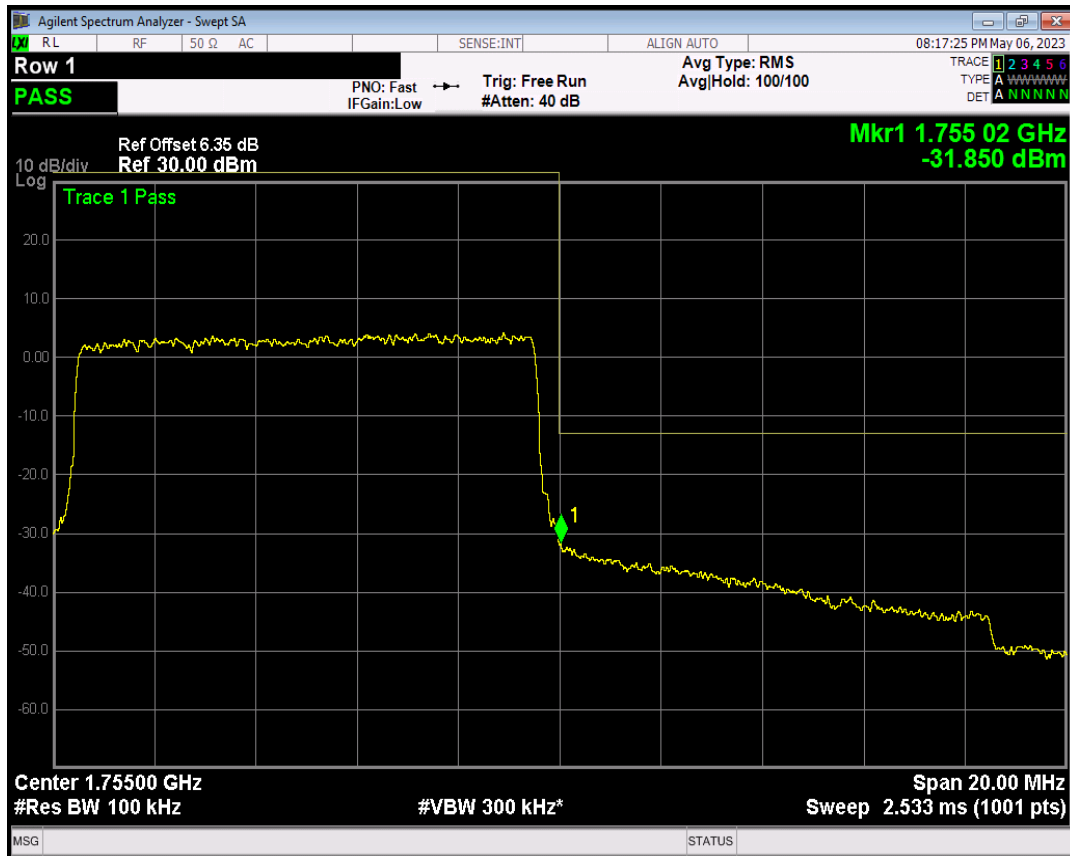
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



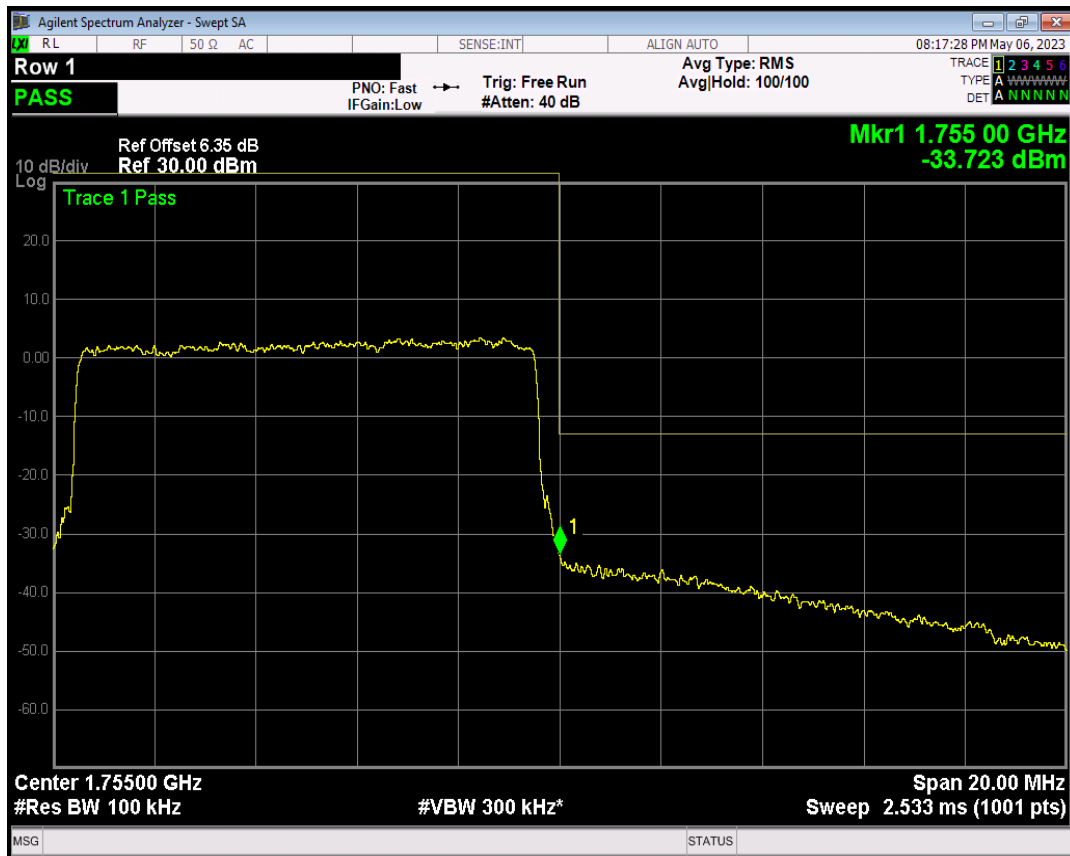
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



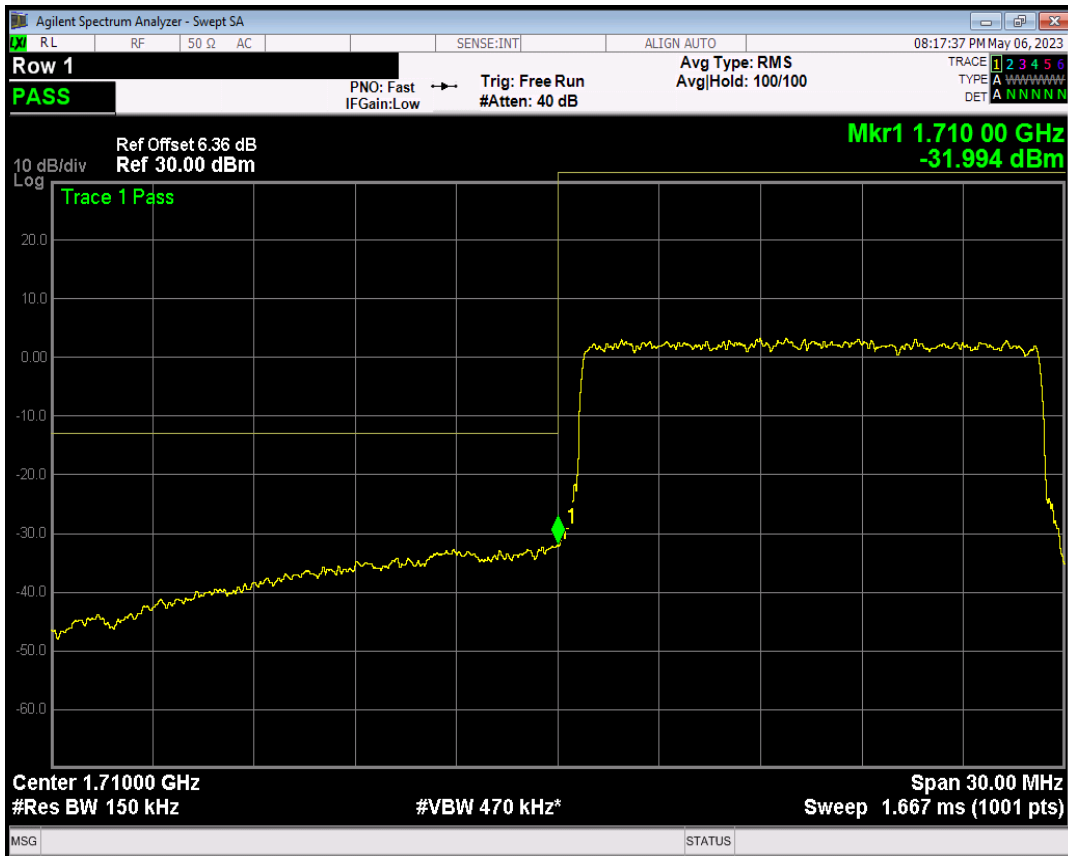
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



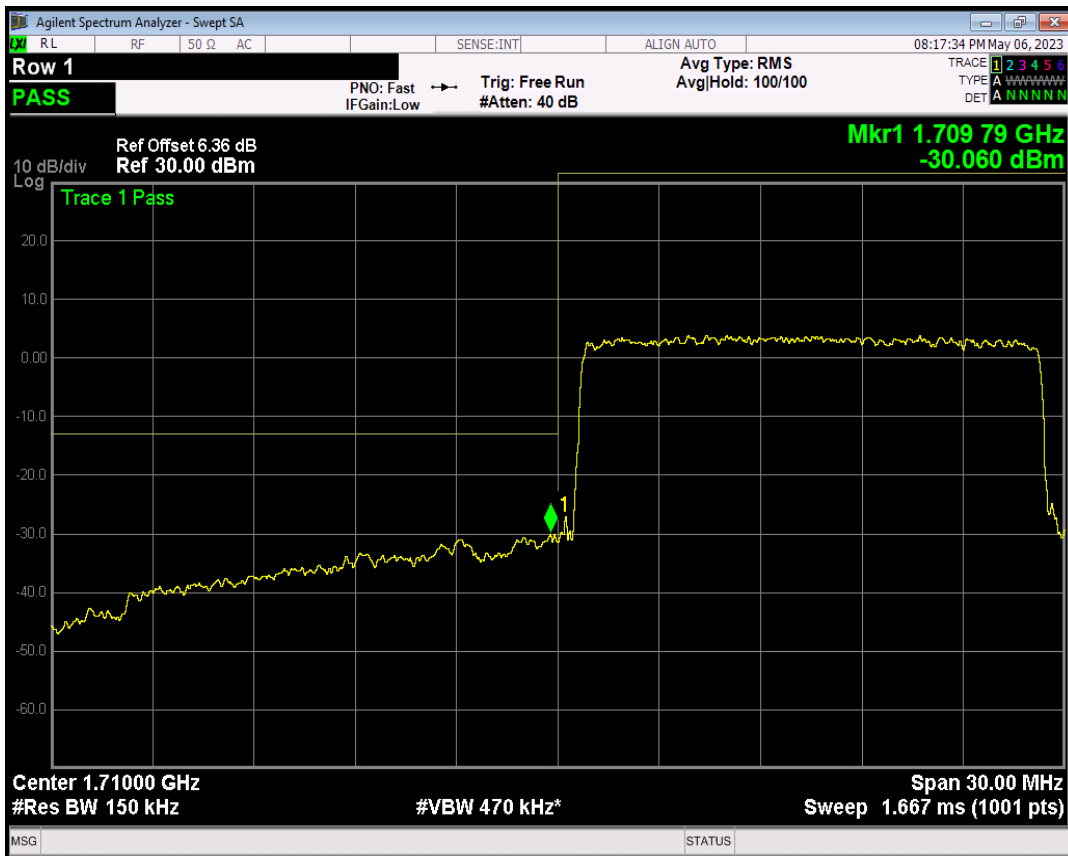
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0

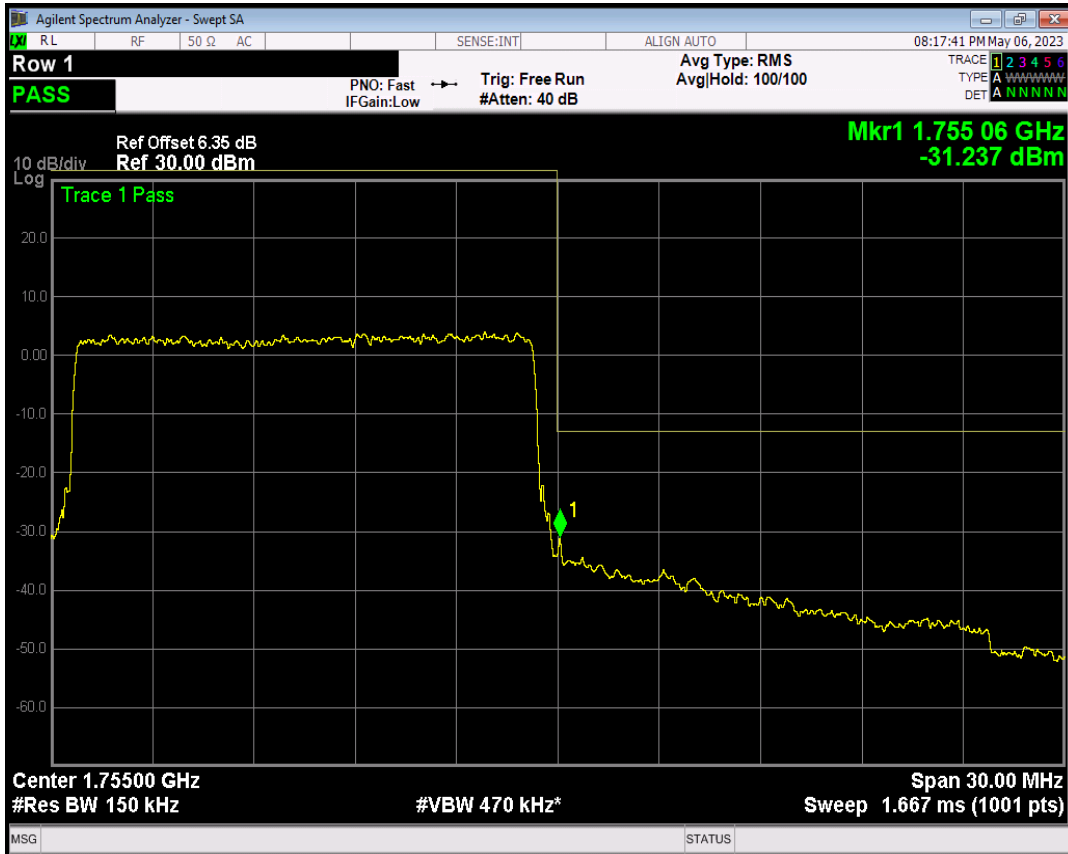


Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0

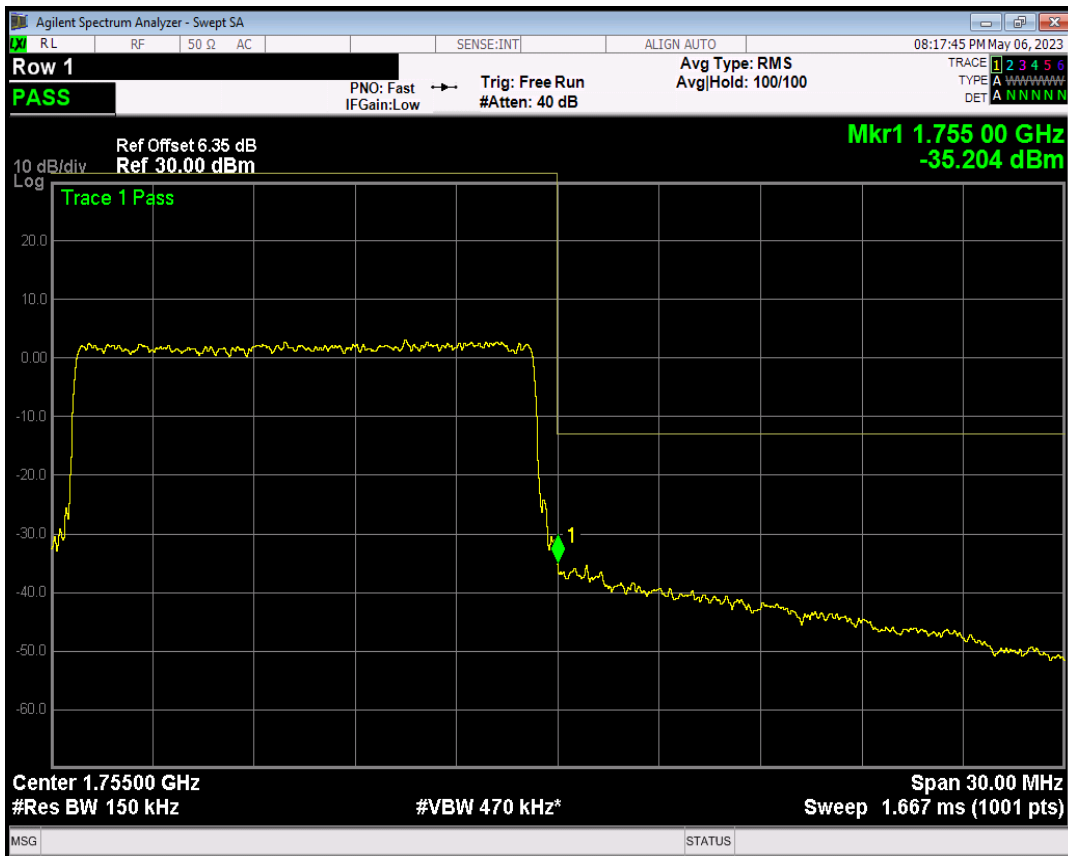


Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0

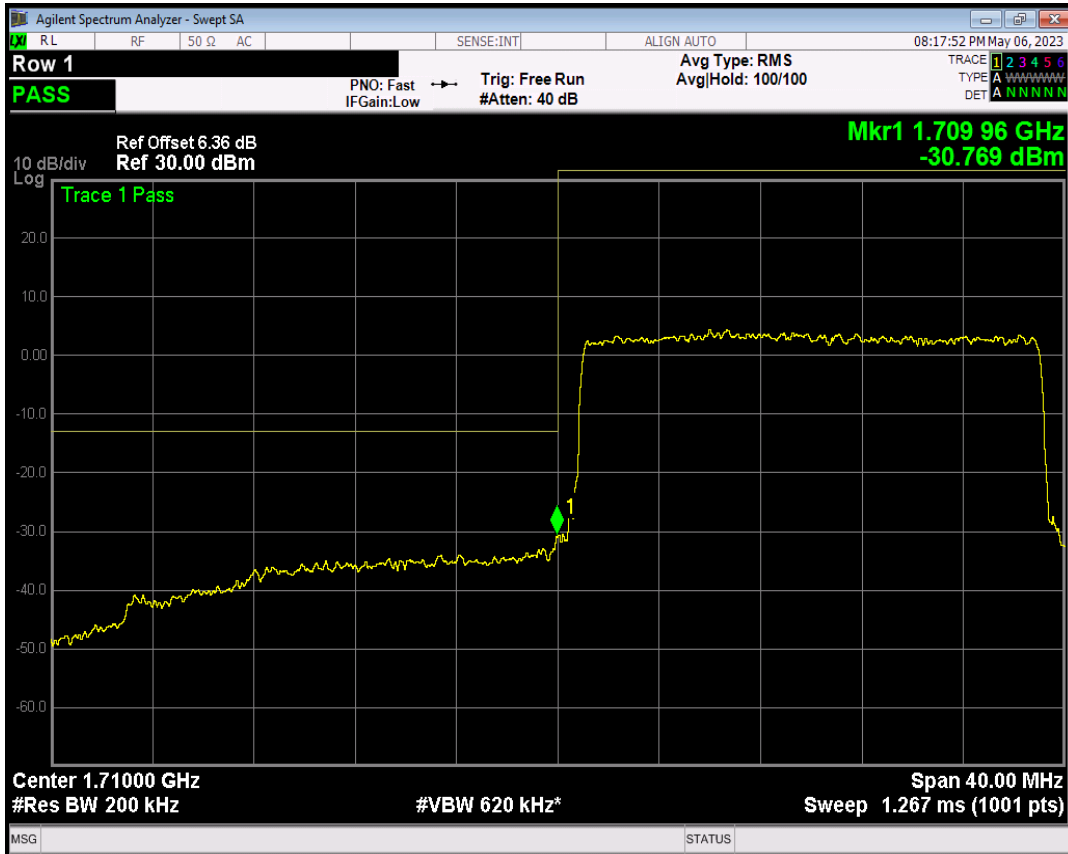




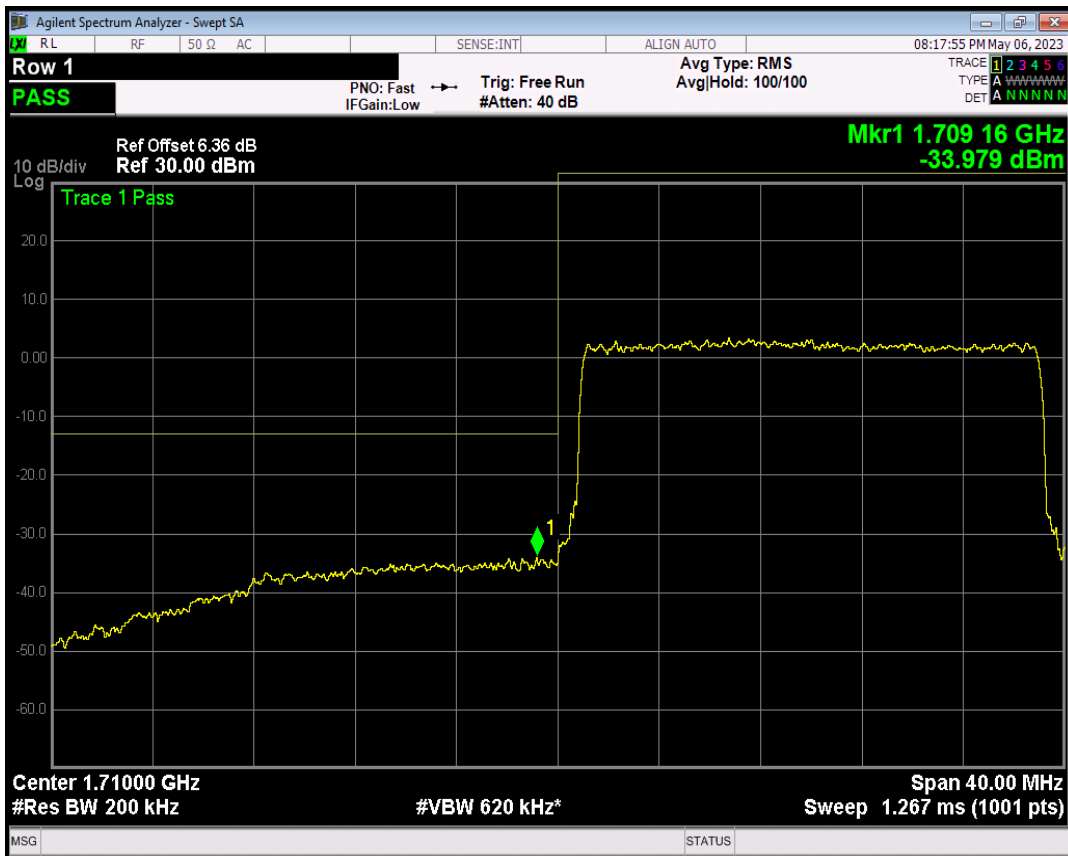
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



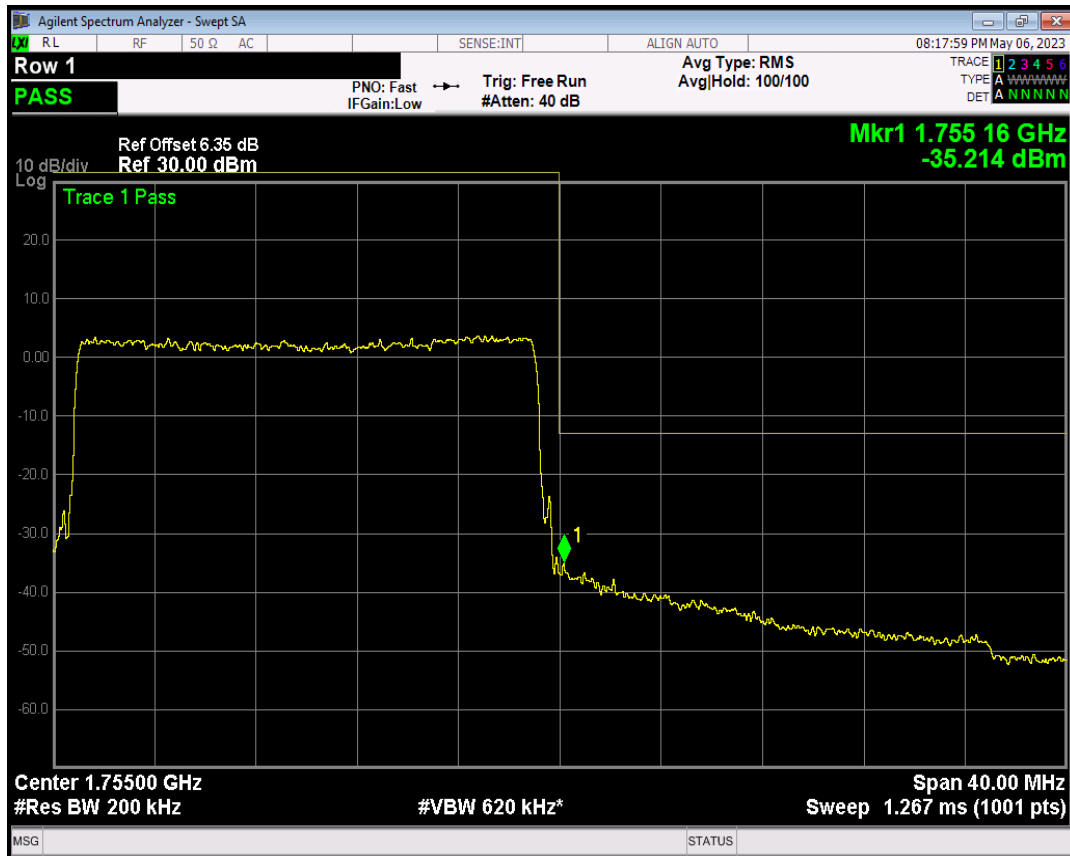
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



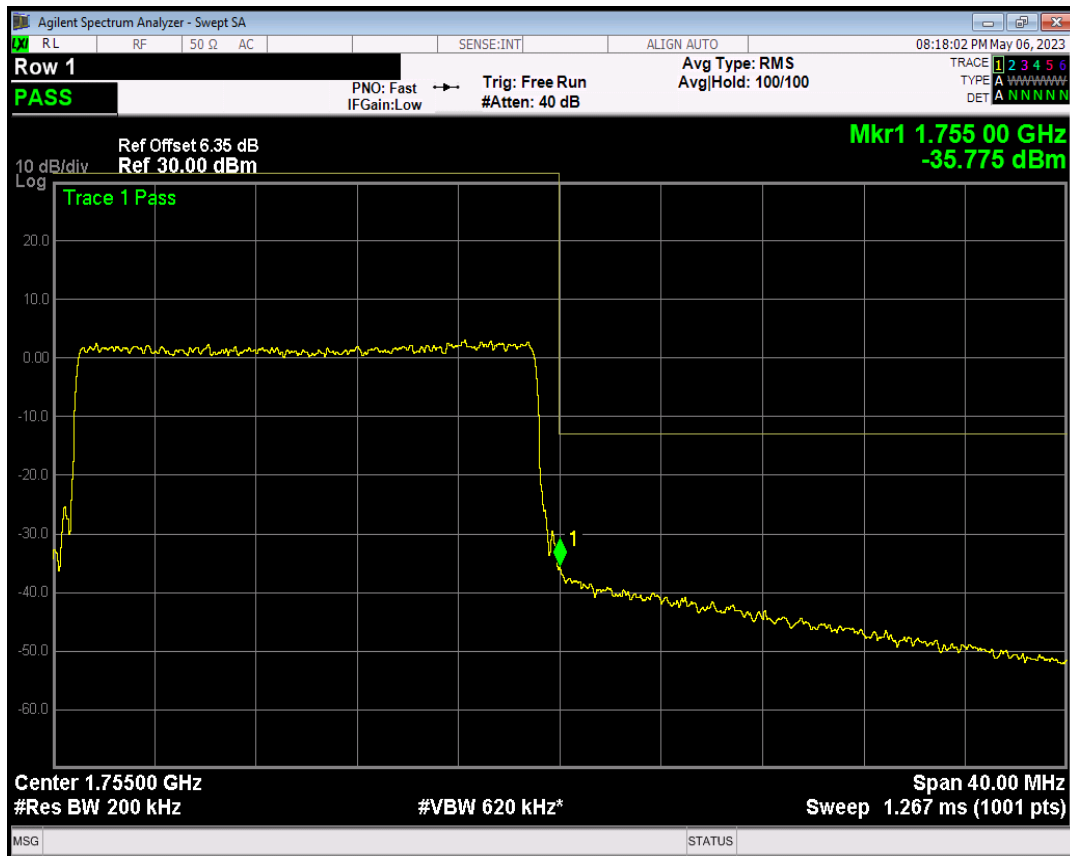
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0



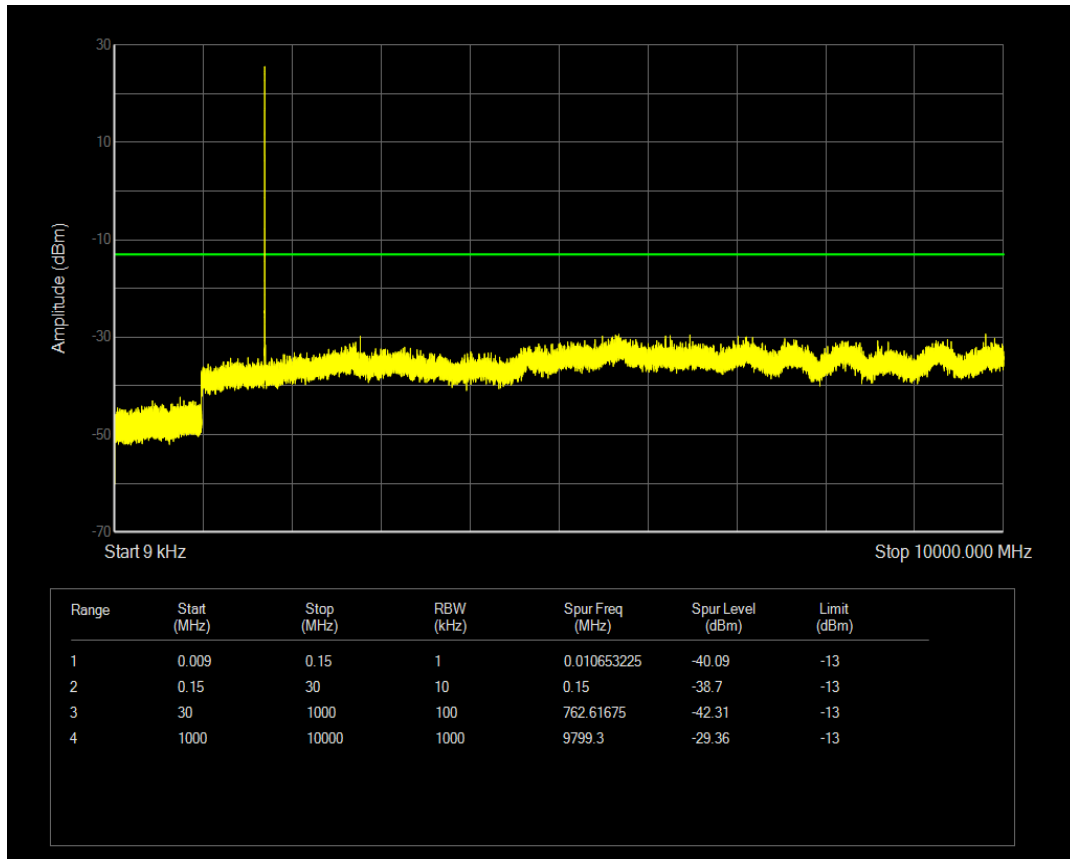
Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0



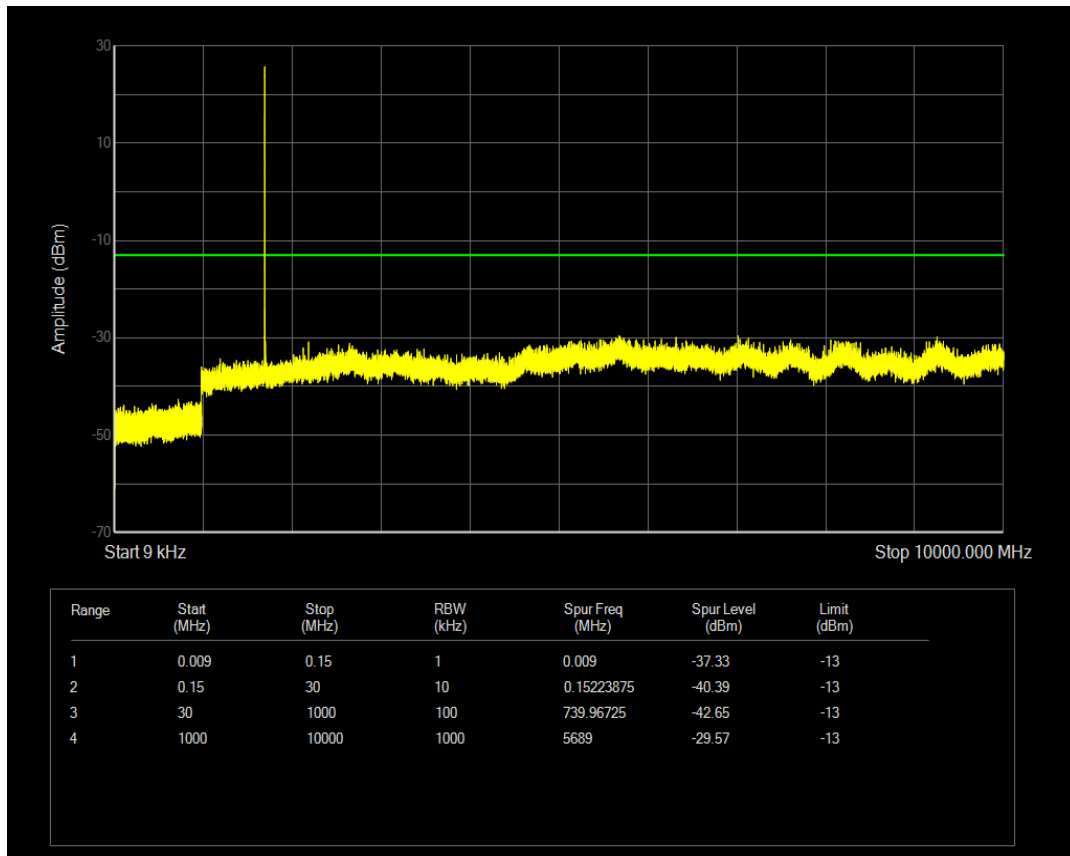
## Appendix 6. Out-of-band emissions

Band	Bandwidth (MHz)	UL Channel	RB Size	RB Position	Modulation	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
Band4	1.4	19957	6	#0	QPSK	9799.30	-29.36	-13	PASS
Band4	1.4	19957	6	#0	16QAM	5689.00	-29.57	-13	PASS
Band4	1.4	20175	6	#0	QPSK	5648.05	-28.57	-13	PASS
Band4	1.4	20175	6	#0	16QAM	5554.00	-28.52	-13	PASS
Band4	1.4	20393	6	#0	QPSK	5694.63	-28.10	-13	PASS
Band4	1.4	20393	6	#0	16QAM	7107.85	-28.75	-13	PASS
Band4	3	19965	15	#0	QPSK	5847.63	-29.17	-13	PASS
Band4	3	19965	15	#0	16QAM	9270.33	-28.50	-13	PASS
Band4	3	20175	15	#0	QPSK	5639.73	-28.99	-13	PASS
Band4	3	20175	15	#0	16QAM	5745.48	-29.35	-13	PASS
Band4	3	20385	15	#0	QPSK	5667.40	-28.83	-13	PASS
Band4	3	20385	15	#0	16QAM	5590.45	-29.21	-13	PASS
Band4	5	19975	25	#0	QPSK	5727.70	-29.52	-13	PASS
Band4	5	19975	25	#0	16QAM	5694.40	-28.87	-13	PASS
Band4	5	20175	25	#0	QPSK	9934.53	-29.60	-13	PASS
Band4	5	20175	25	#0	16QAM	5781.48	-29.17	-13	PASS
Band4	5	20375	25	#0	QPSK	5709.70	-28.88	-13	PASS
Band4	5	20375	25	#0	16QAM	5686.53	-29.29	-13	PASS
Band4	10	20000	50	#0	QPSK	5692.83	-28.30	-13	PASS
Band4	10	20000	50	#0	16QAM	5659.75	-28.85	-13	PASS
Band4	10	20175	50	#0	QPSK	5603.73	-29.29	-13	PASS
Band4	10	20175	50	#0	16QAM	5716.45	-28.80	-13	PASS
Band4	10	20350	50	#0	QPSK	5685.63	-29.22	-13	PASS
Band4	10	20350	50	#0	16QAM	5710.60	-28.44	-13	PASS
Band4	15	20025	75	#0	QPSK	5190.18	-28.89	-13	PASS
Band4	15	20025	75	#0	16QAM	5705.20	-28.51	-13	PASS
Band4	15	20175	75	#0	QPSK	5668.30	-29.52	-13	PASS
Band4	15	20175	75	#0	16QAM	5679.33	-29.24	-13	PASS
Band4	15	20325	75	#0	QPSK	5638.15	-28.73	-13	PASS
Band4	15	20325	75	#0	16QAM	7117.08	-29.21	-13	PASS
Band4	20	20050	100	#0	QPSK	5649.63	-28.58	-13	PASS
Band4	20	20050	100	#0	16QAM	5692.38	-29.18	-13	PASS
Band4	20	20175	100	#0	QPSK	5674.60	-28.72	-13	PASS
Band4	20	20175	100	#0	16QAM	5695.75	-28.26	-13	PASS
Band4	20	20300	100	#0	QPSK	5685.63	-28.89	-13	PASS
Band4	20	20300	100	#0	16QAM	5746.60	-29.28	-13	PASS

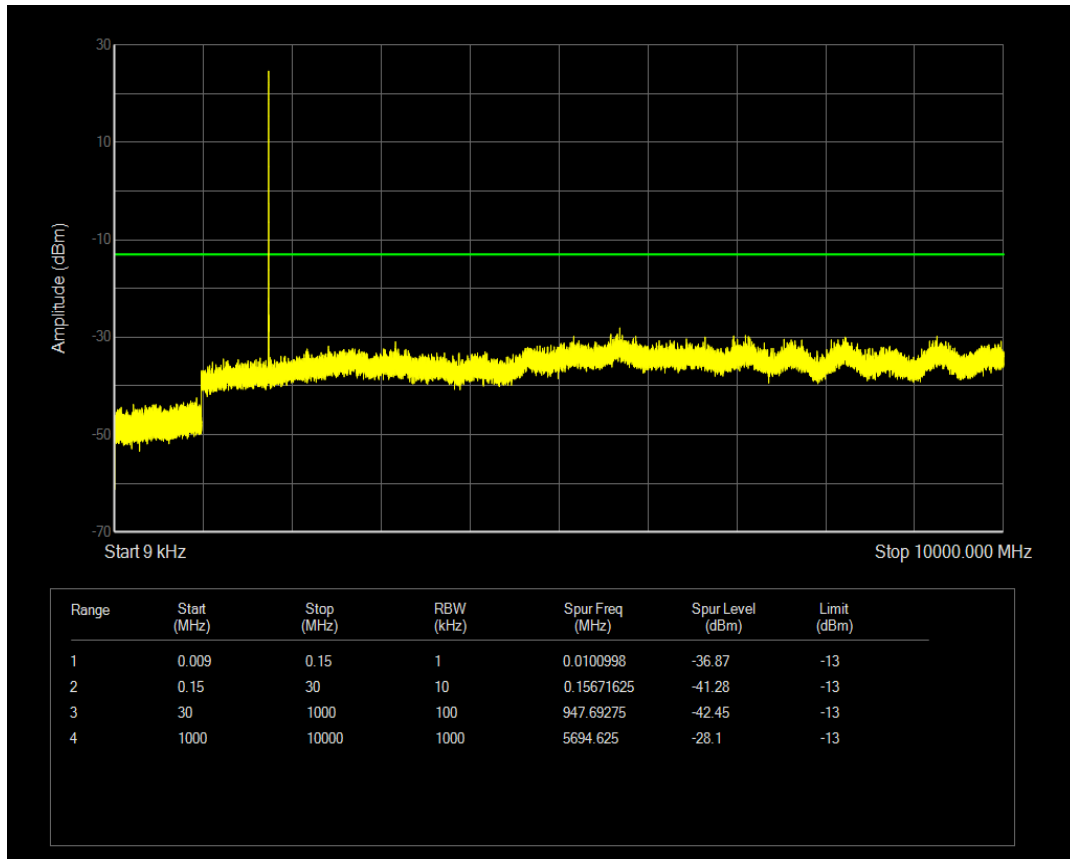
Band4 QPSK BW=1.4MHz Channel=19957 RB Size=6 Position=#0



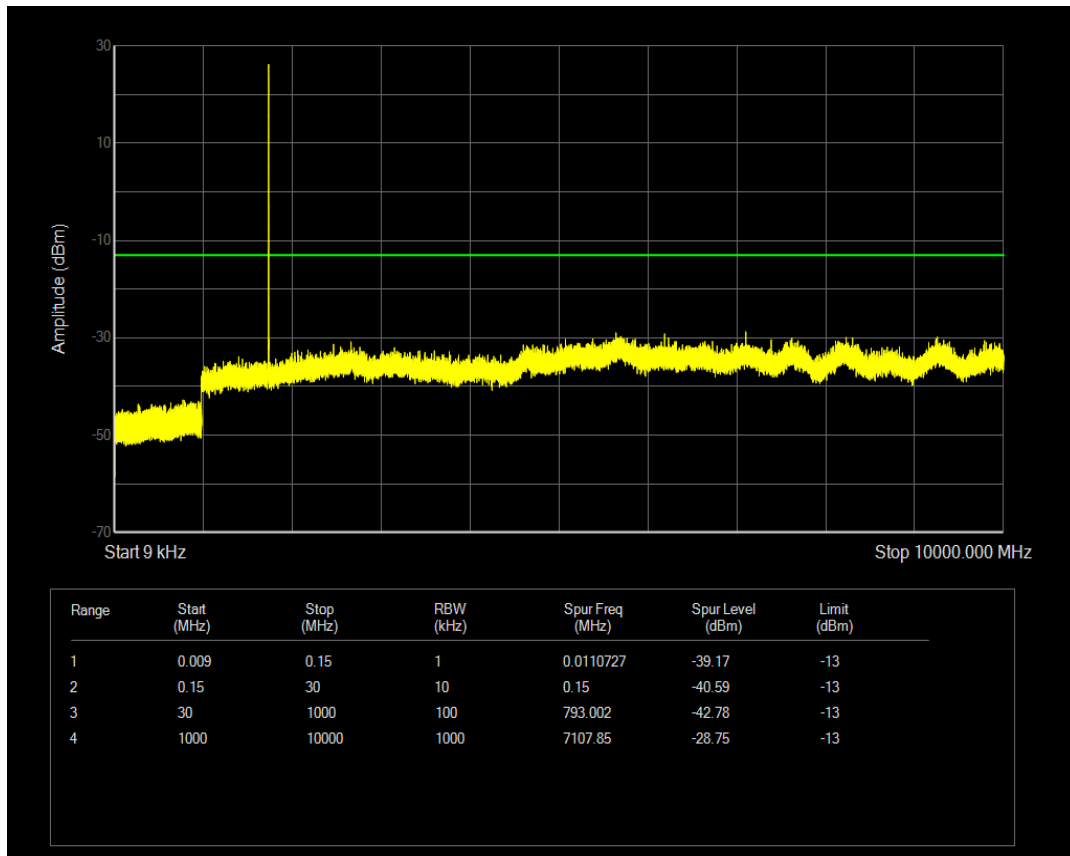
Band4 16QAM BW=1.4MHz Channel=19957 RB Size=6 Position=#0



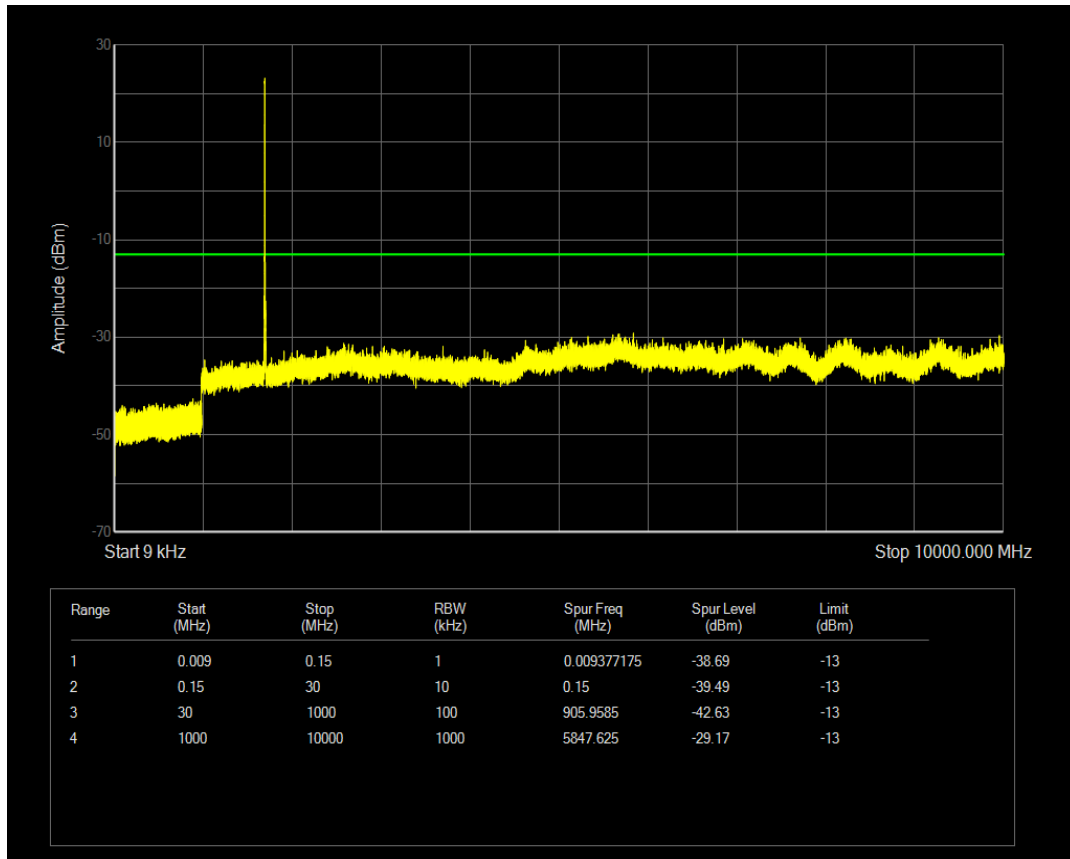
Band4 QPSK BW=1.4MHz Channel=20393 RB Size=6 Position=#0



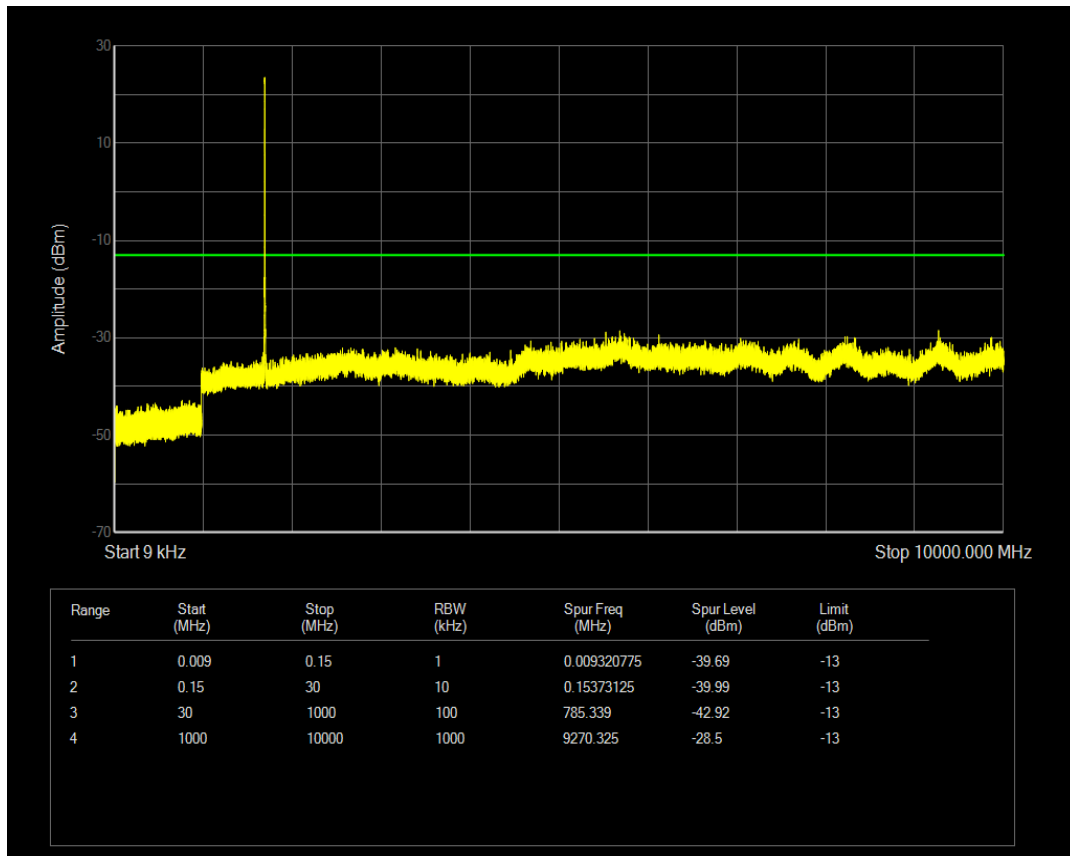
Band4 16QAM BW=1.4MHz Channel=20393 RB Size=6 Position=#0



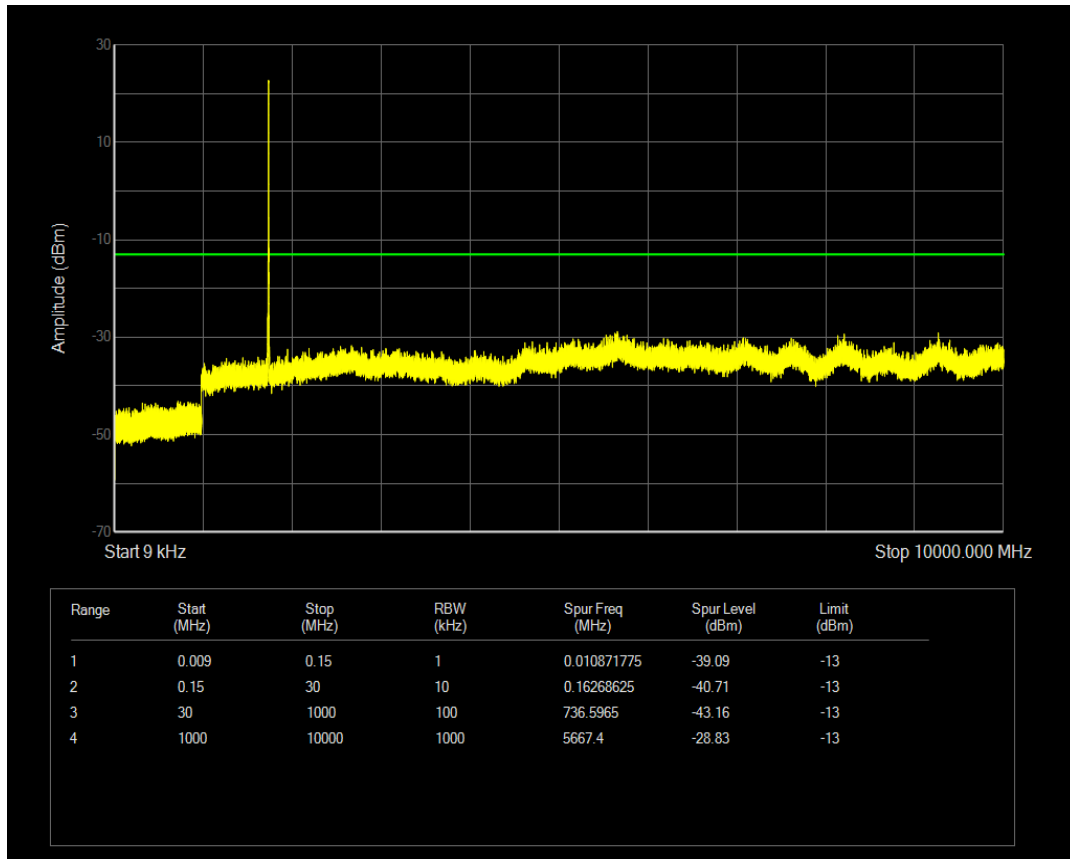
Band4 QPSK BW=3MHz Channel=19965 RB Size=15 Position=#0



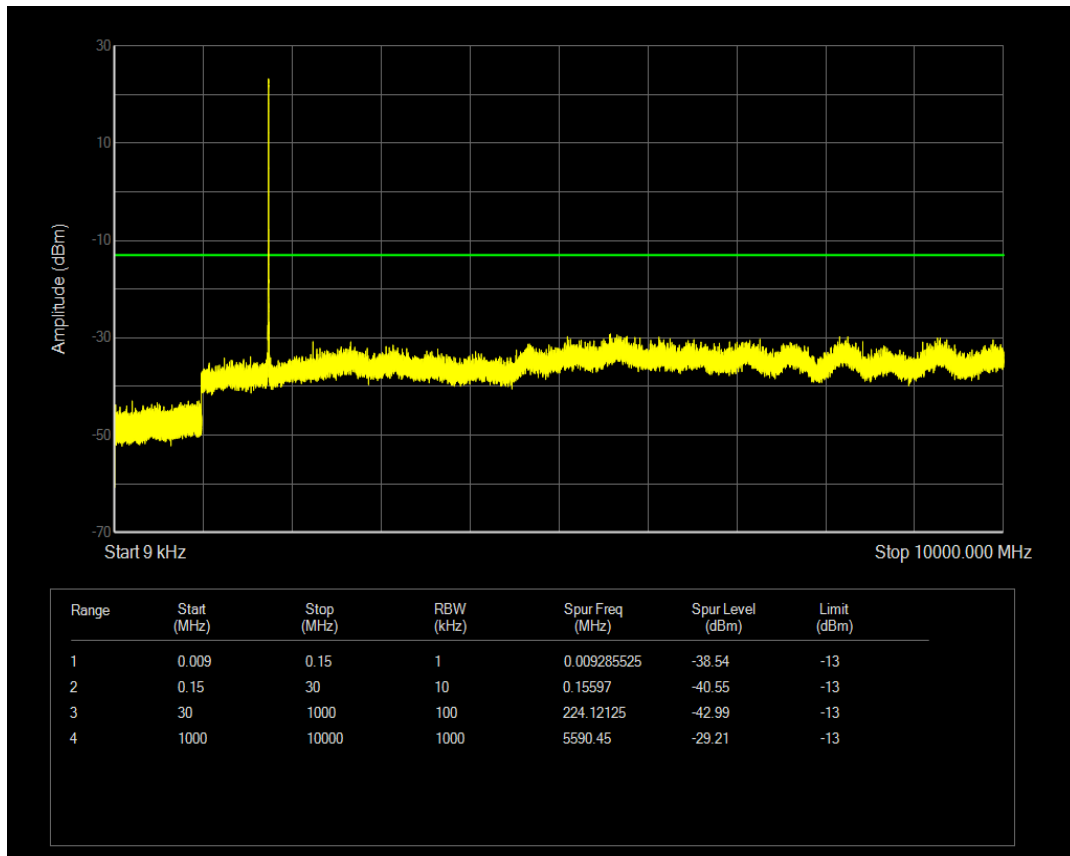
Band4 16QAM BW=3MHz Channel=19965 RB Size=15 Position=#0



Band4 QPSK BW=3MHz Channel=20385 RB Size=15 Position=#0

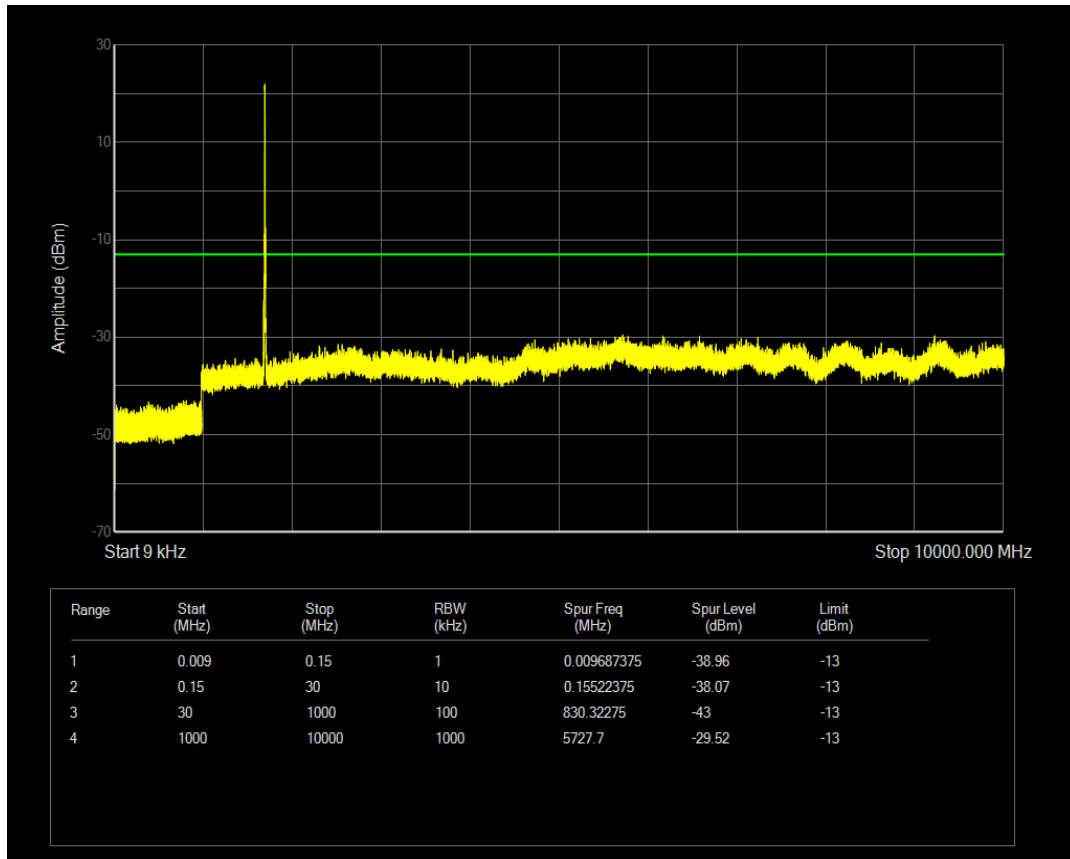


Band4 16QAM BW=3MHz Channel=20385 RB Size=15 Position=#0

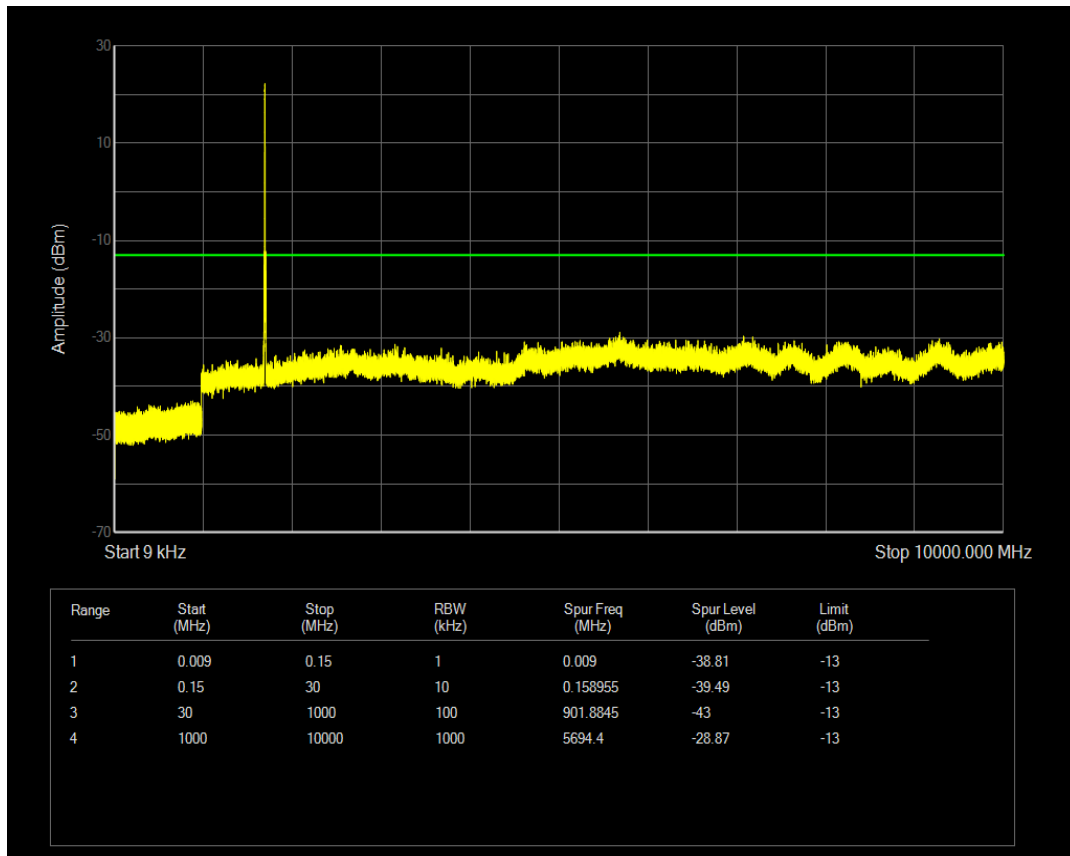


Band4 QPSK BW=5MHz Channel=19975 RB Size=25 Position=#0

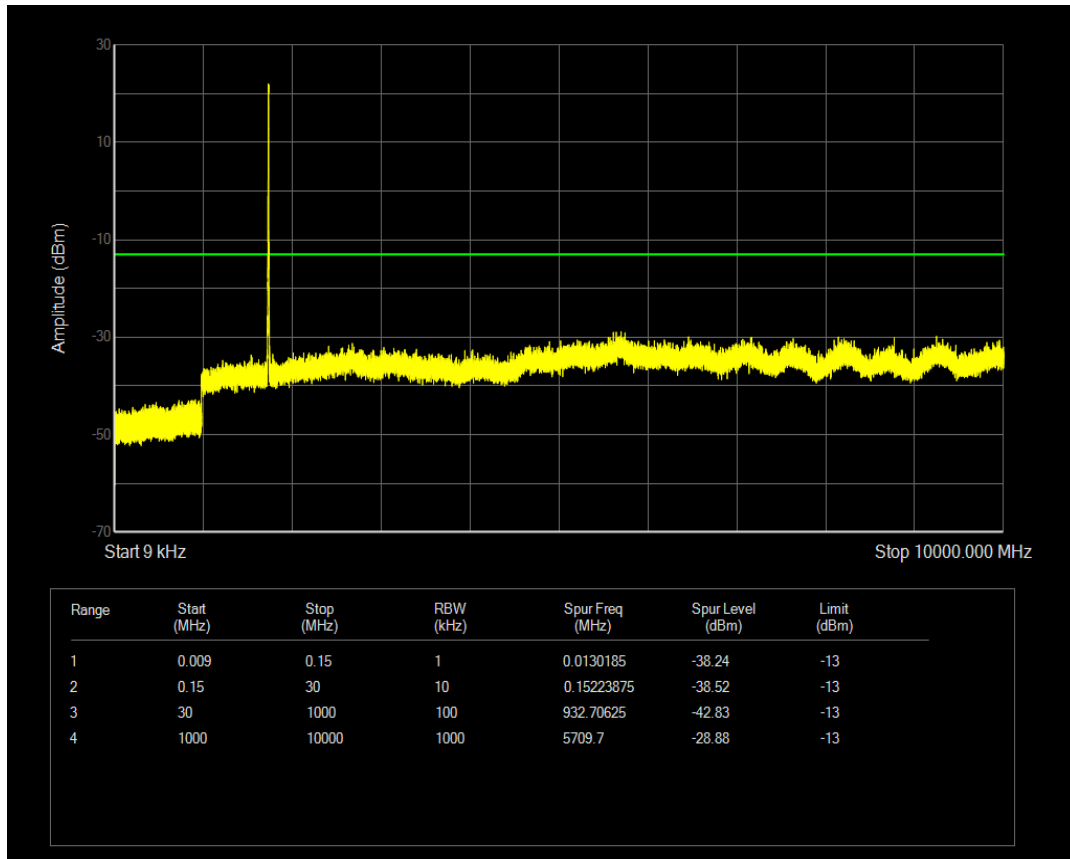




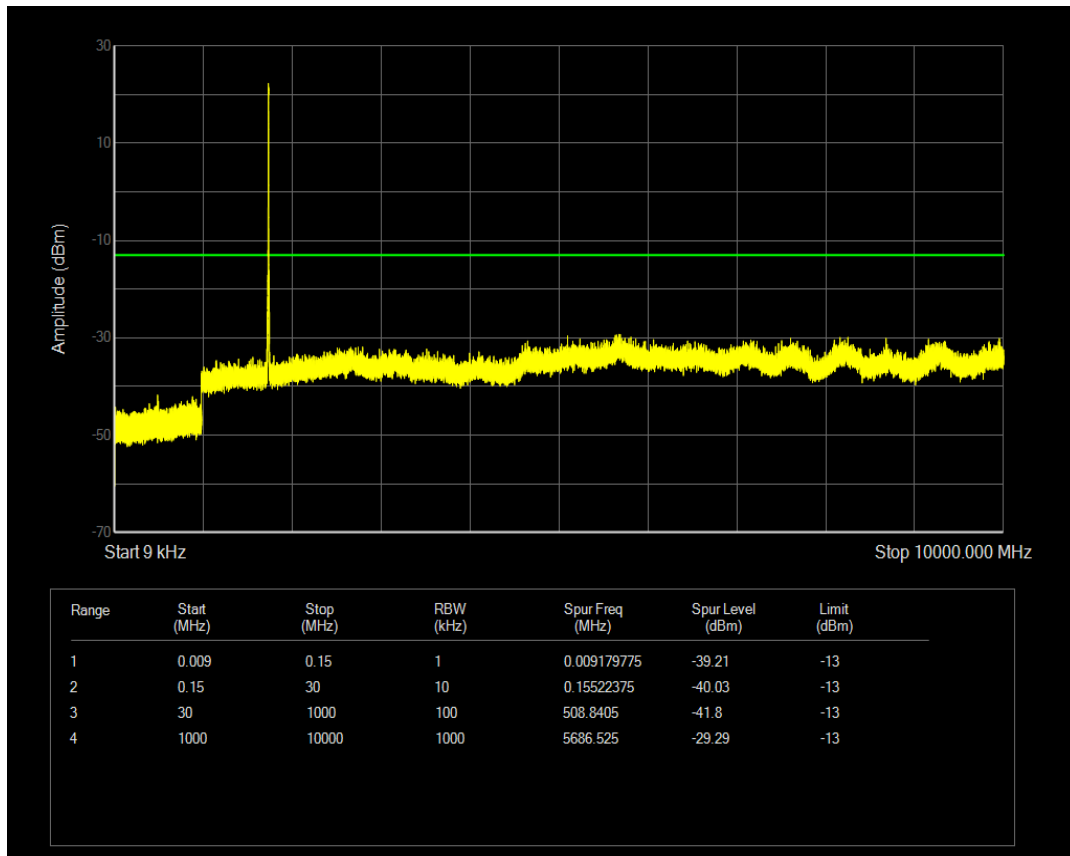
Band4 16QAM BW=5MHz Channel=19975 RB Size=25 Position=#0



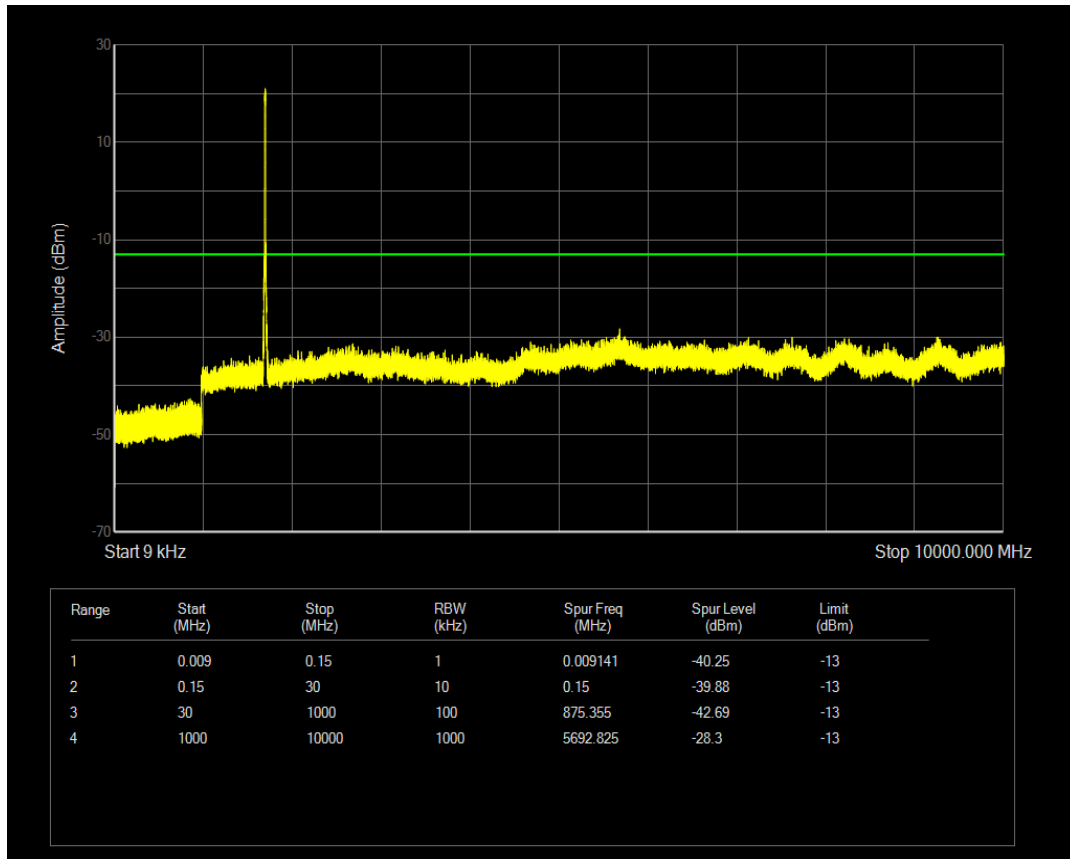
Band4 QPSK BW=5MHz Channel=20375 RB Size=25 Position=#0



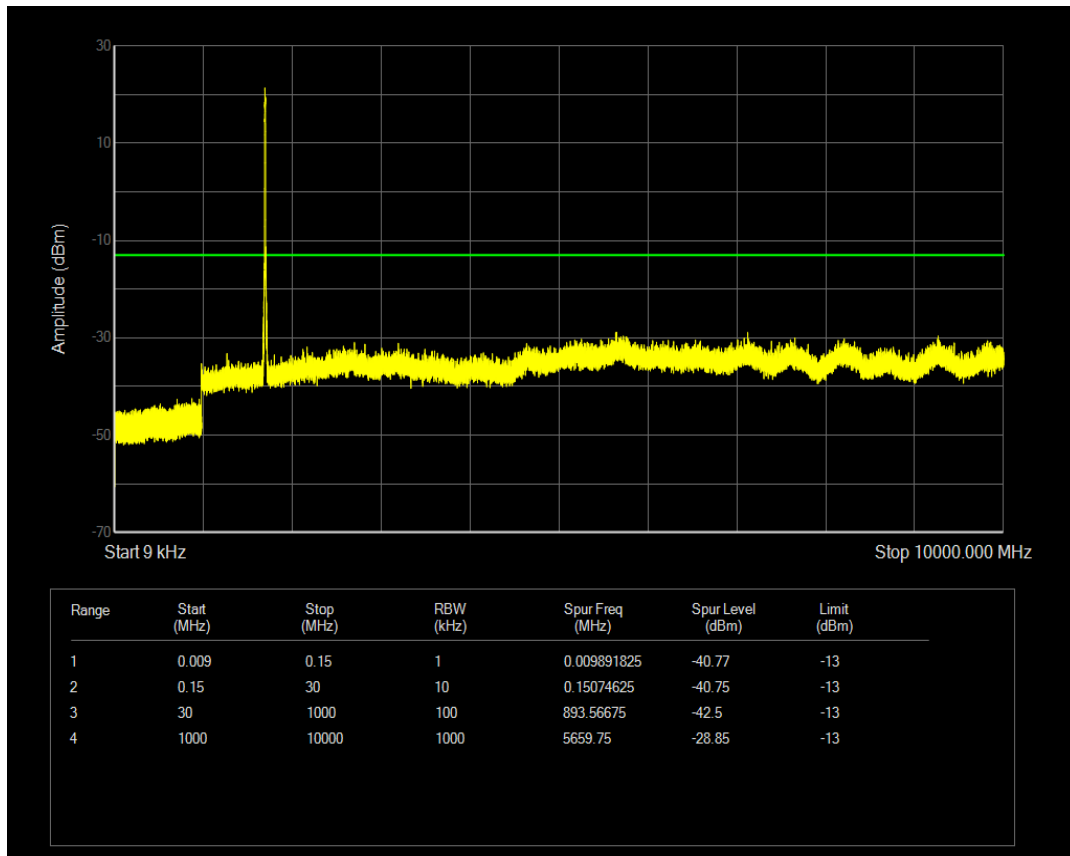
Band4 16QAM BW=5MHz Channel=20375 RB Size=25 Position=#0



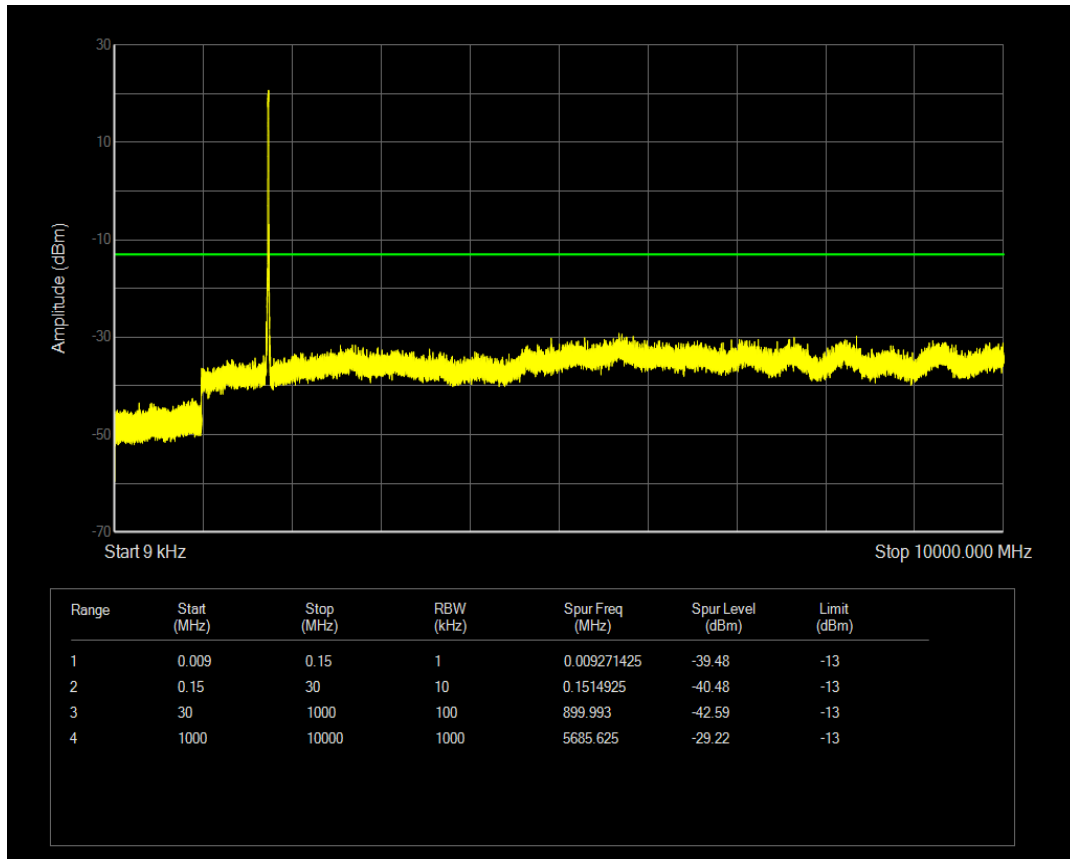
Band4 QPSK BW=10MHz Channel=20000 RB Size=50 Position=#0



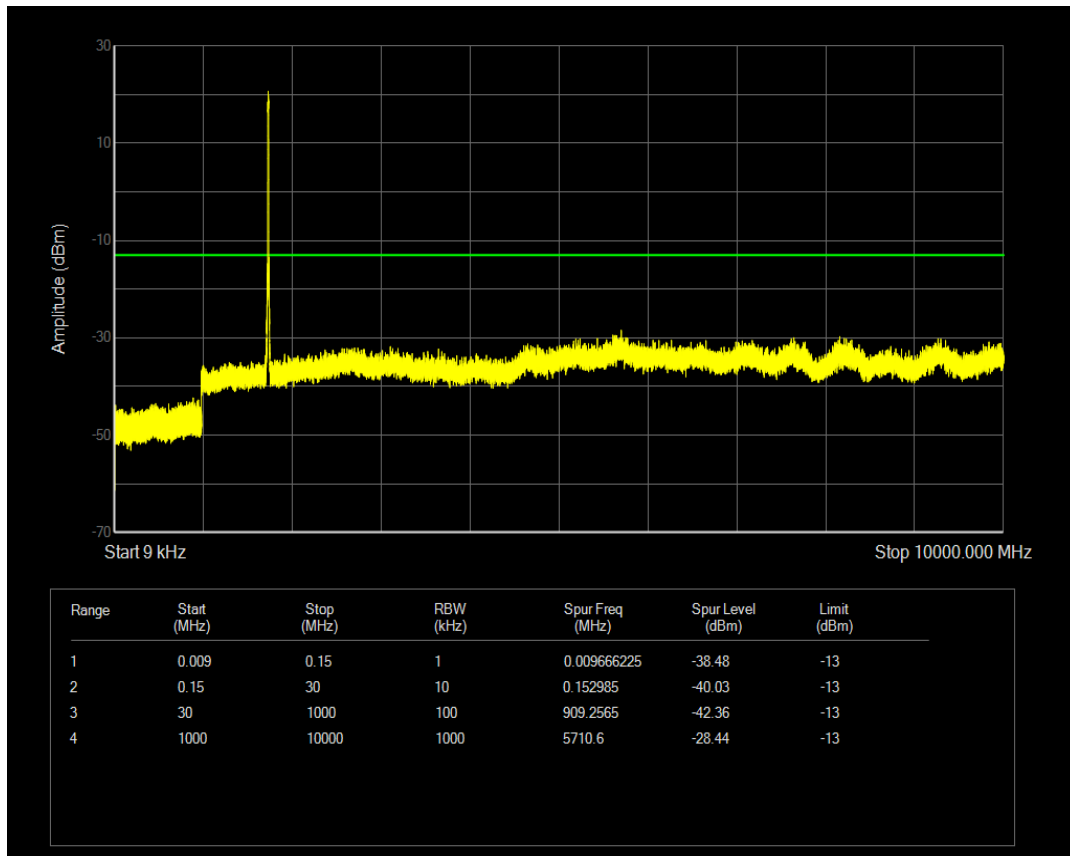
Band4 16QAM BW=10MHz Channel=20000 RB Size=50 Position=#0



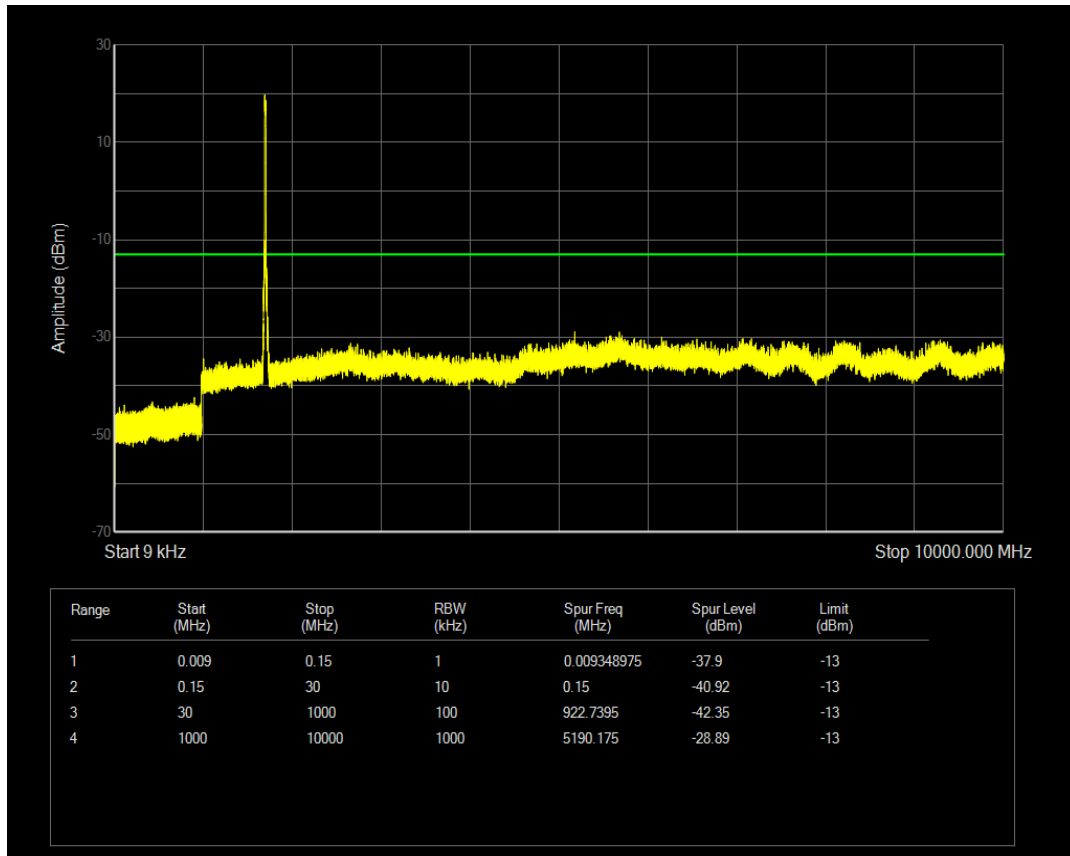
Band4 QPSK BW=10MHz Channel=20350 RB Size=50 Position=#0



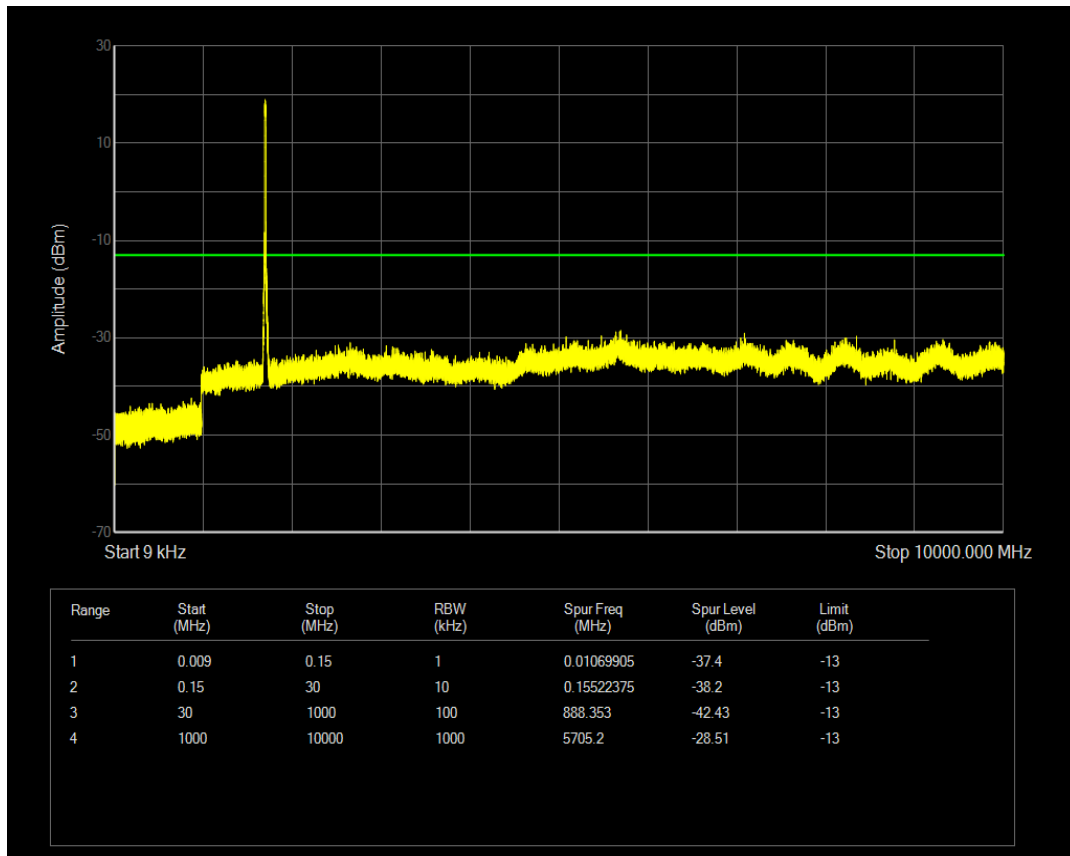
Band4 16QAM BW=10MHz Channel=20350 RB Size=50 Position=#0



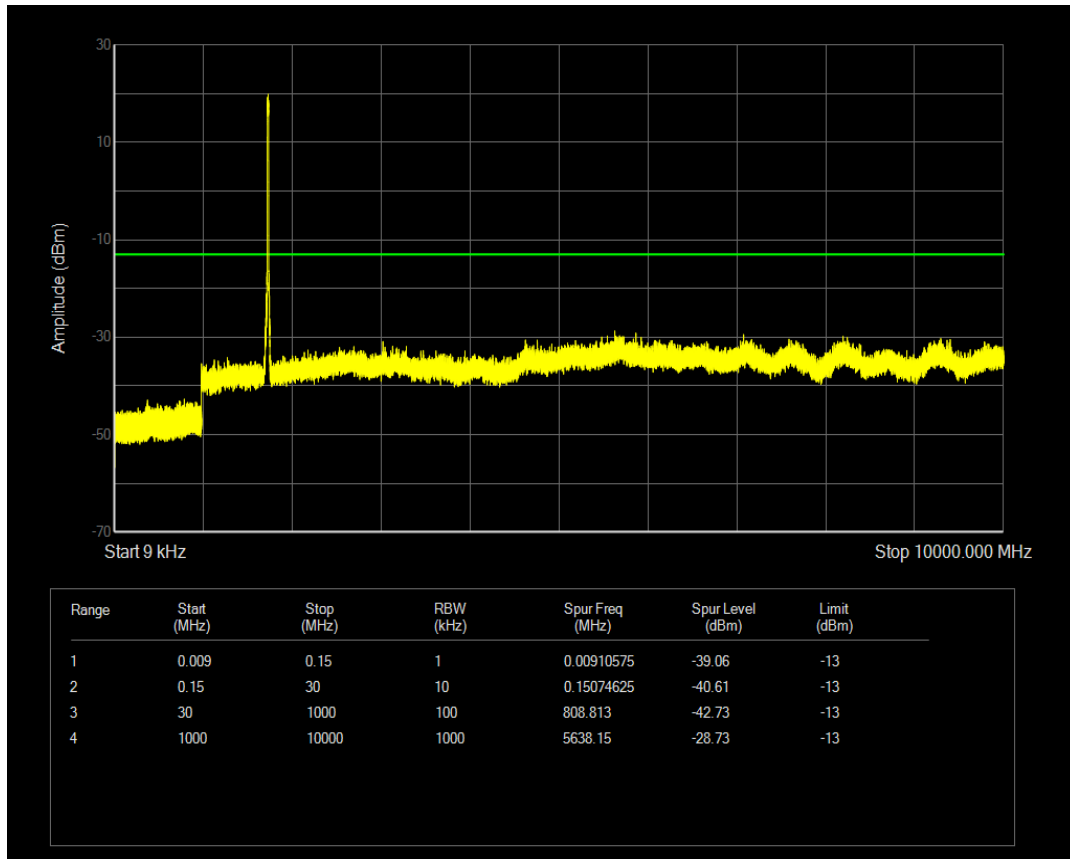
Band4 QPSK BW=15MHz Channel=20025 RB Size=75 Position=#0



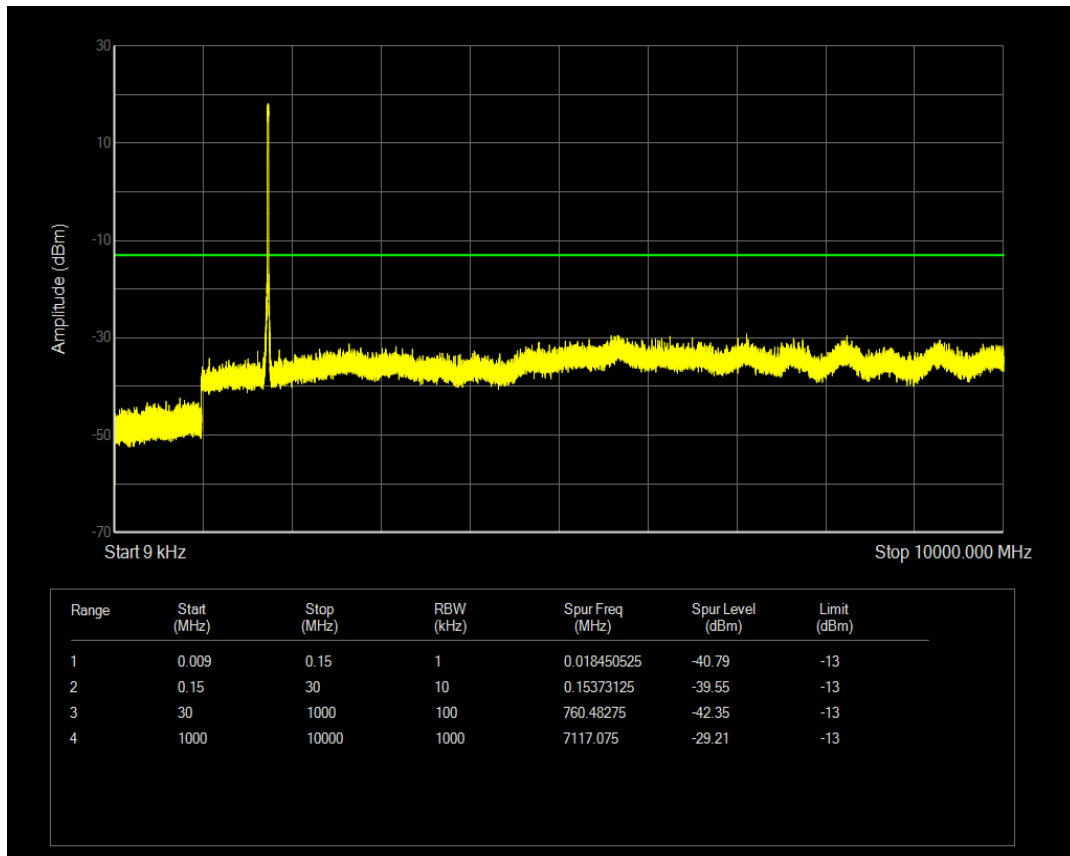
Band4 16QAM BW=15MHz Channel=20025 RB Size=75 Position=#0



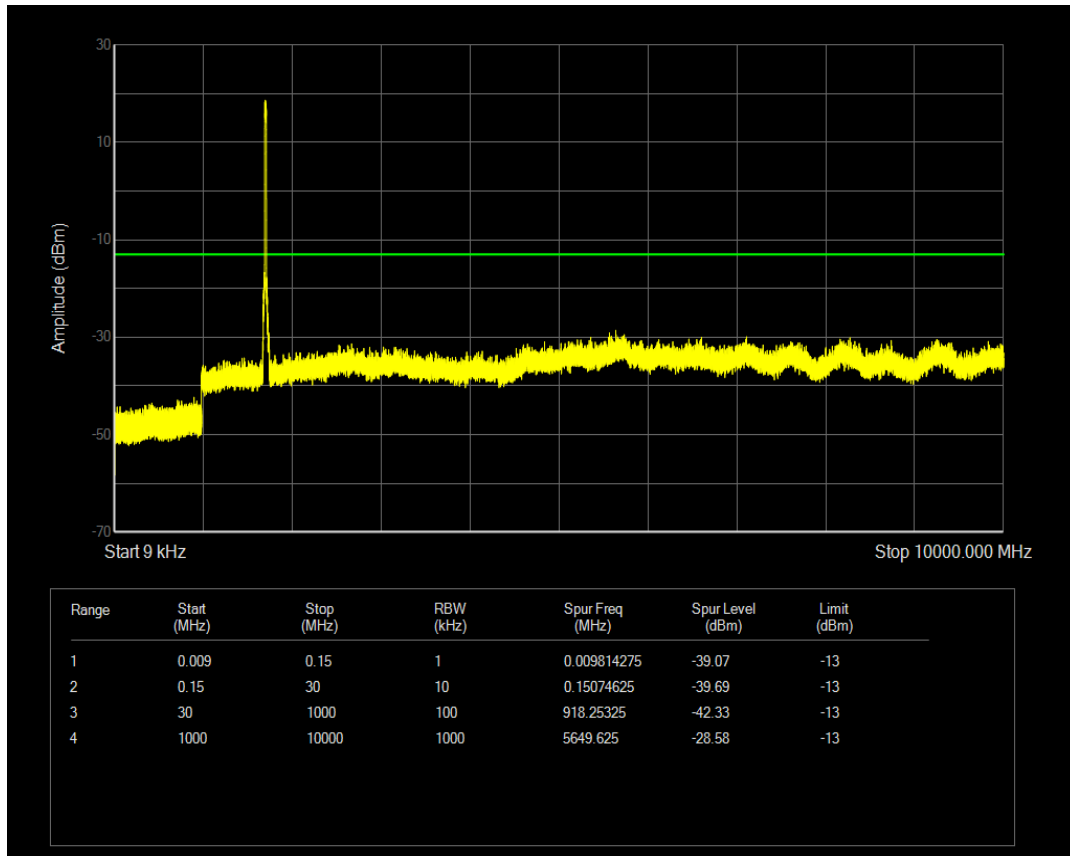
Band4 QPSK BW=15MHz Channel=20325 RB Size=75 Position=#0



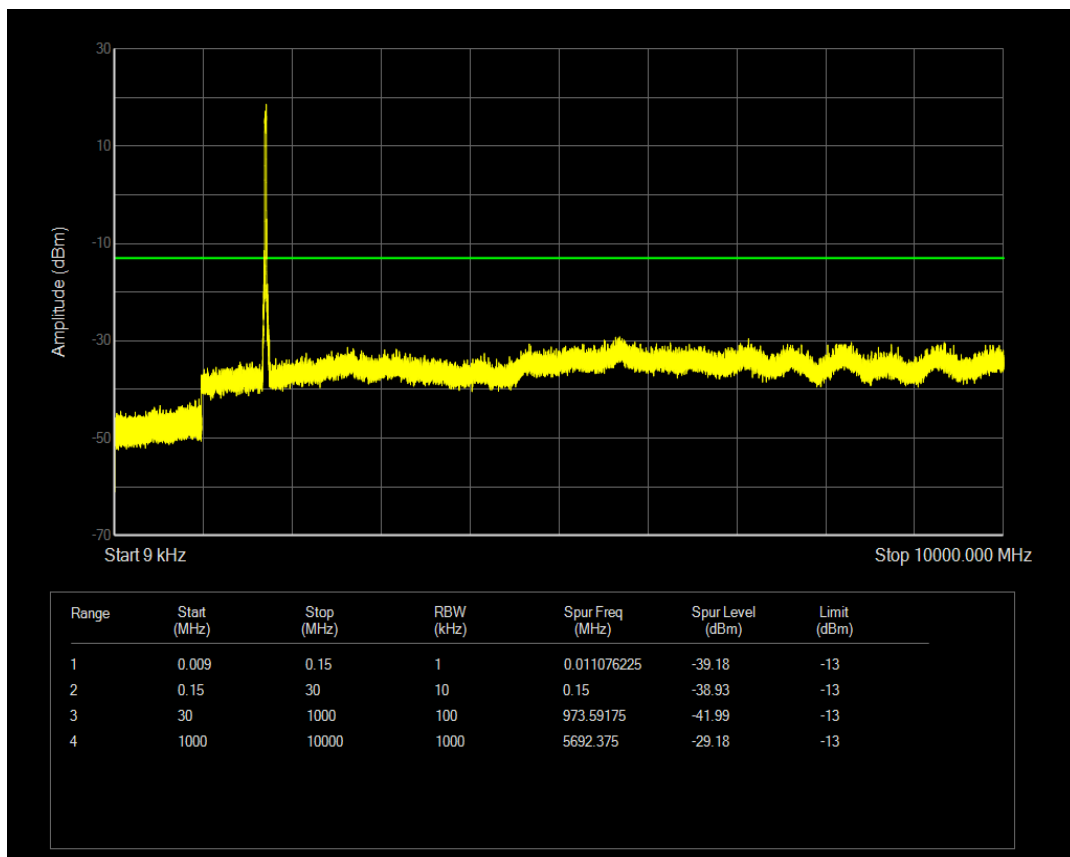
Band4 16QAM BW=15MHz Channel=20325 RB Size=75 Position=#0



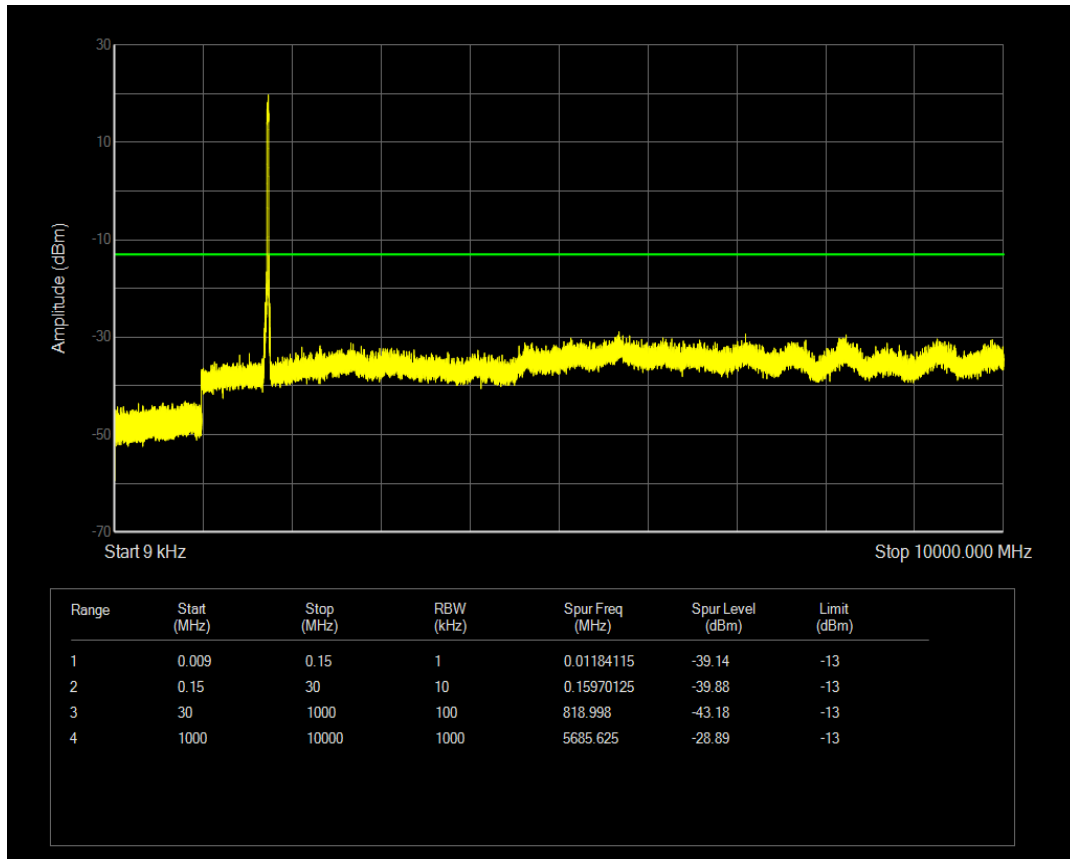
Band4 QPSK BW=20MHz Channel=20050 RB Size=100 Position=#0



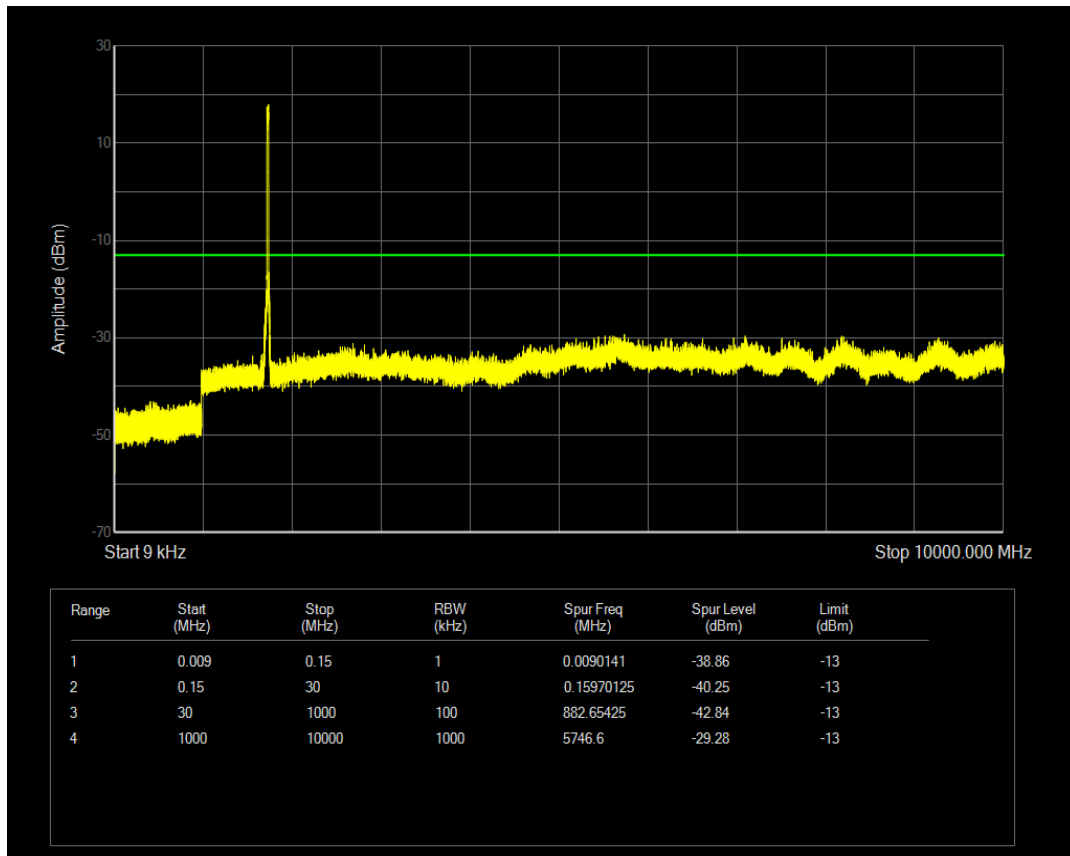
Band4 16QAM BW=20MHz Channel=20050 RB Size=100 Position=#0



Band4 QPSK BW=20MHz Channel=20300 RB Size=100 Position=#0

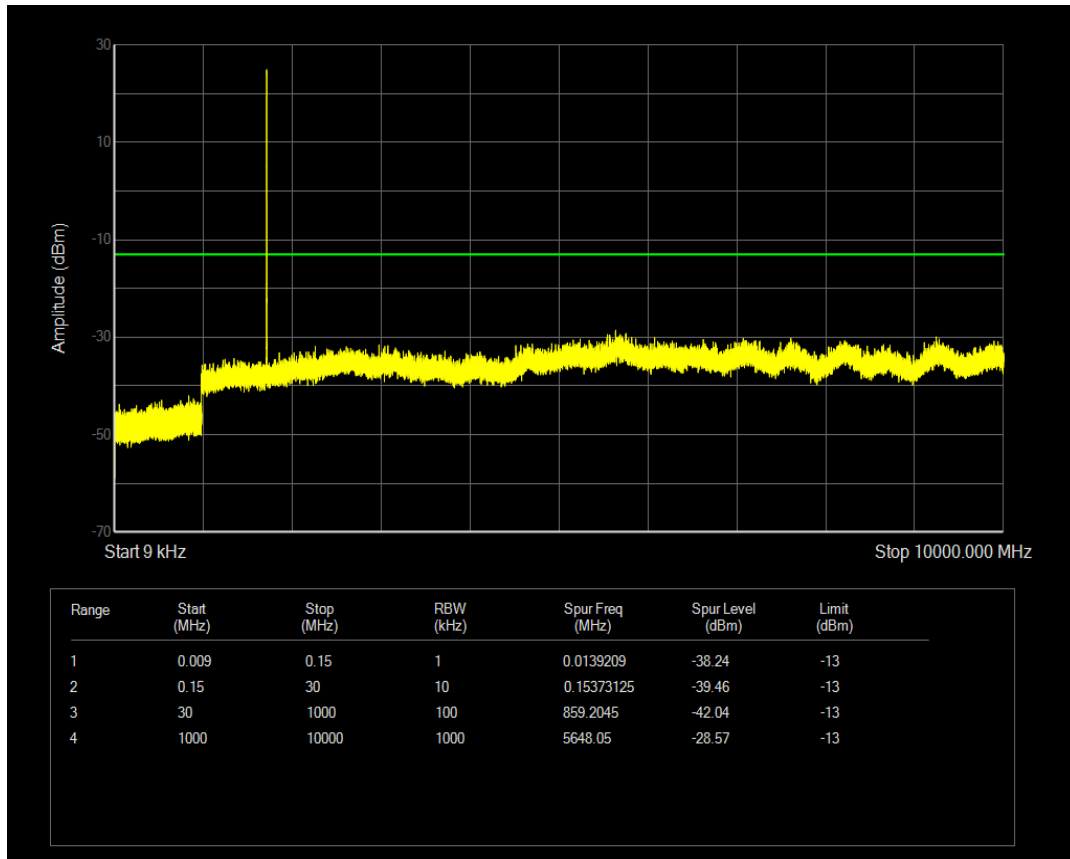


Band4 16QAM BW=20MHz Channel=20300 RB Size=100 Position=#0

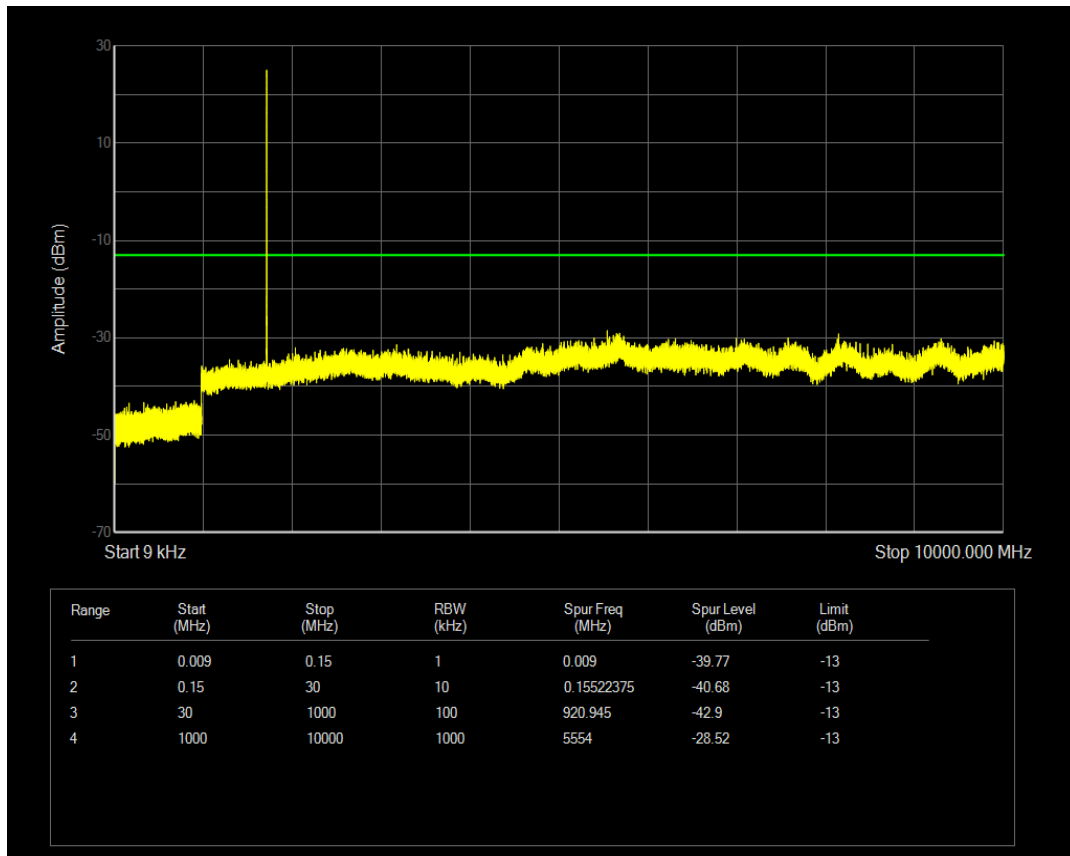


Band4 QPSK BW=1.4MHz Channel=20175 RB Size=6 Position=#0

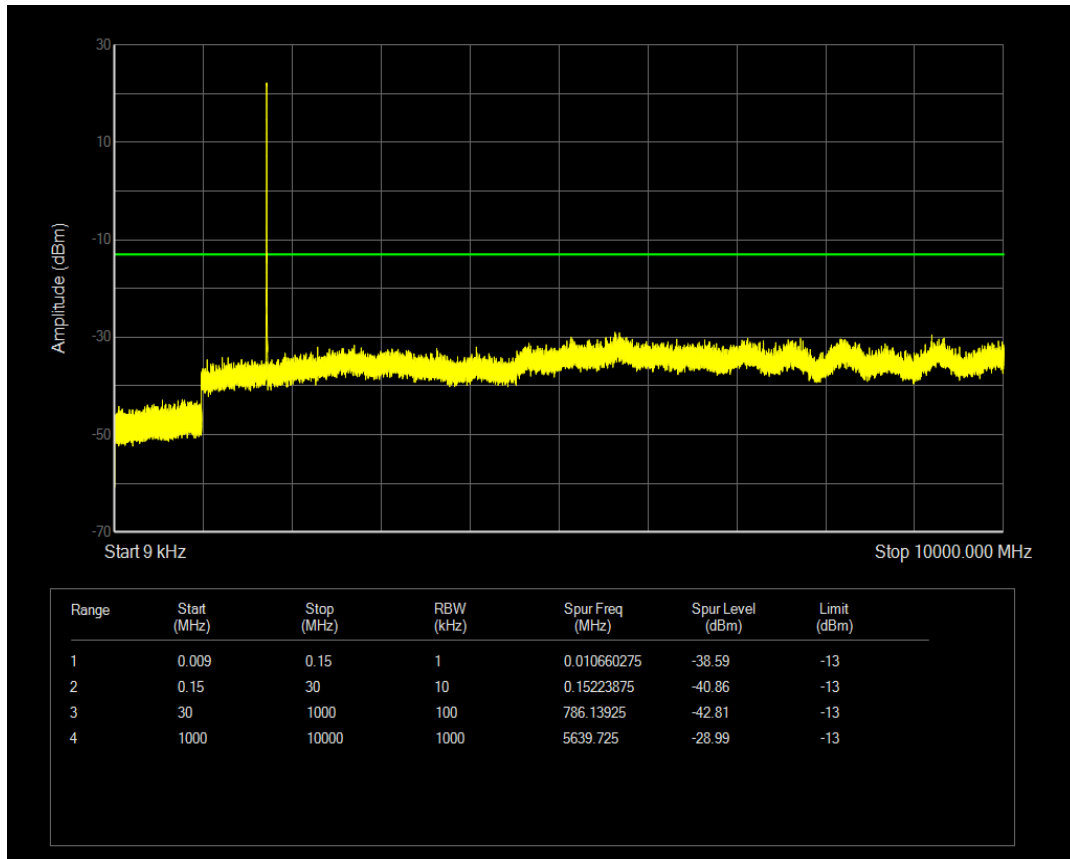




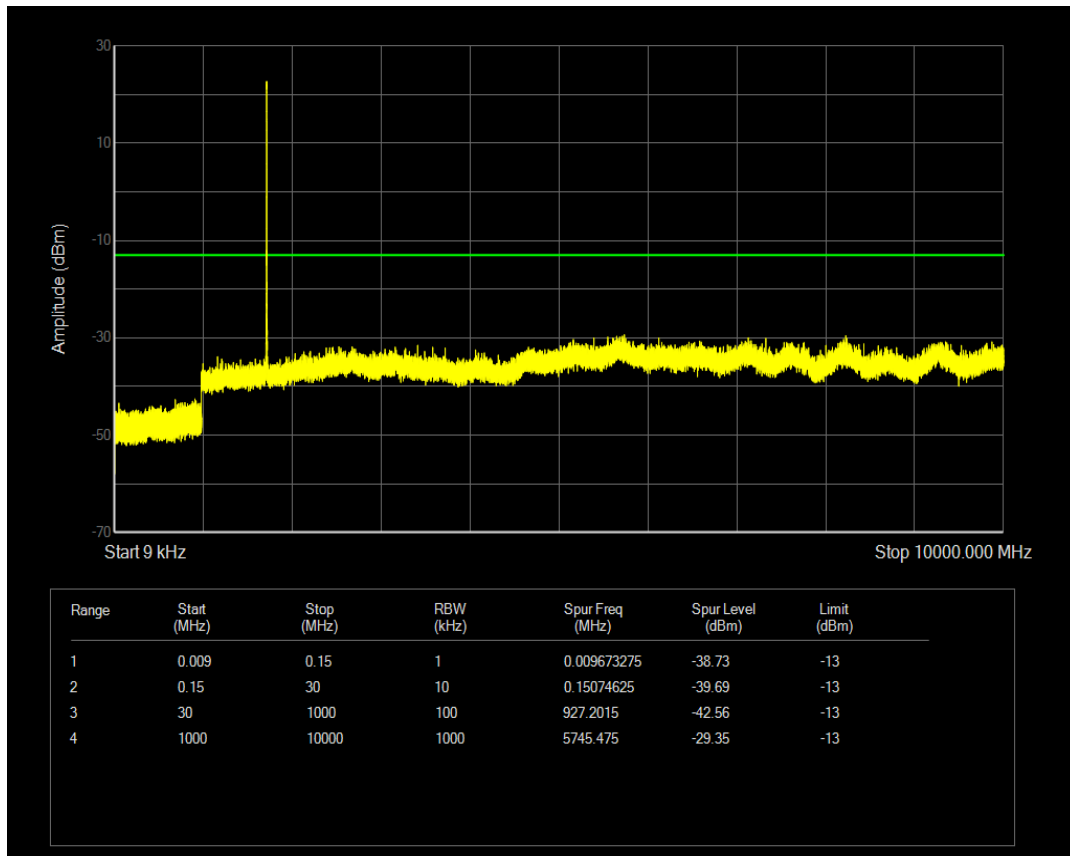
Band4 16QAM BW=1.4MHz Channel=20175 RB Size=6 Position=#0



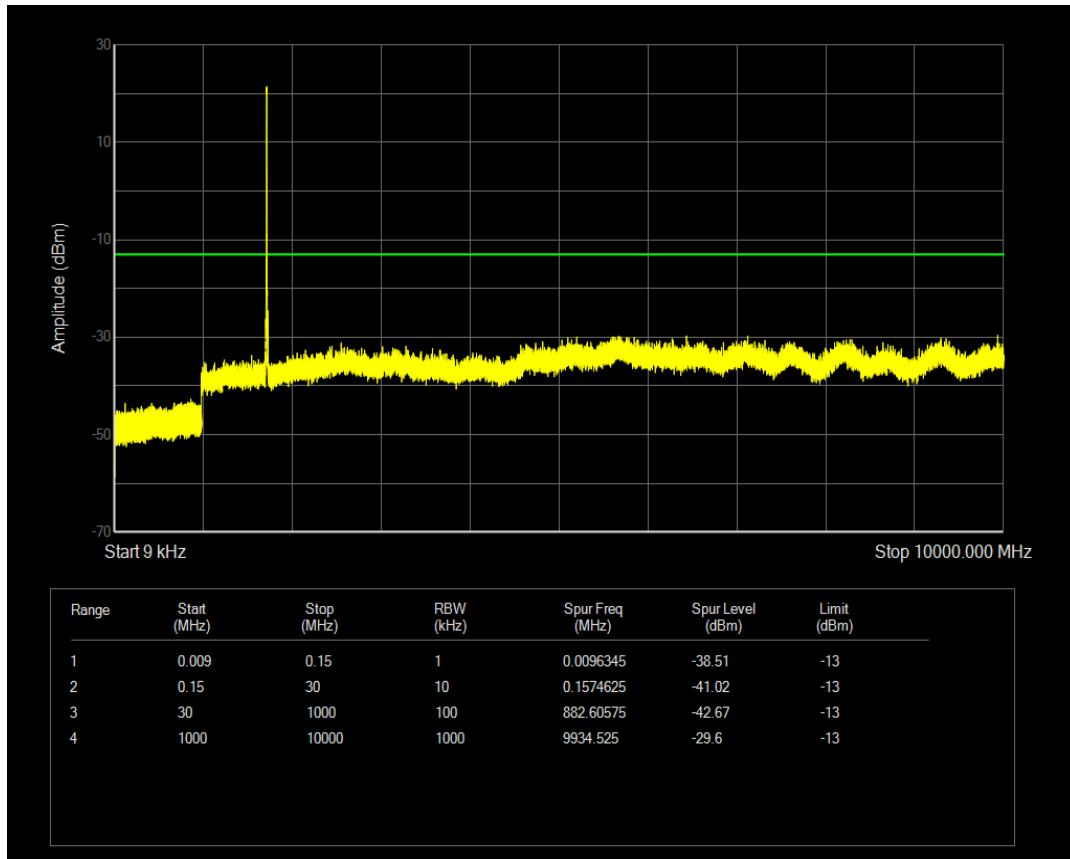
Band4 QPSK BW=3MHz Channel=20175 RB Size=15 Position=#0



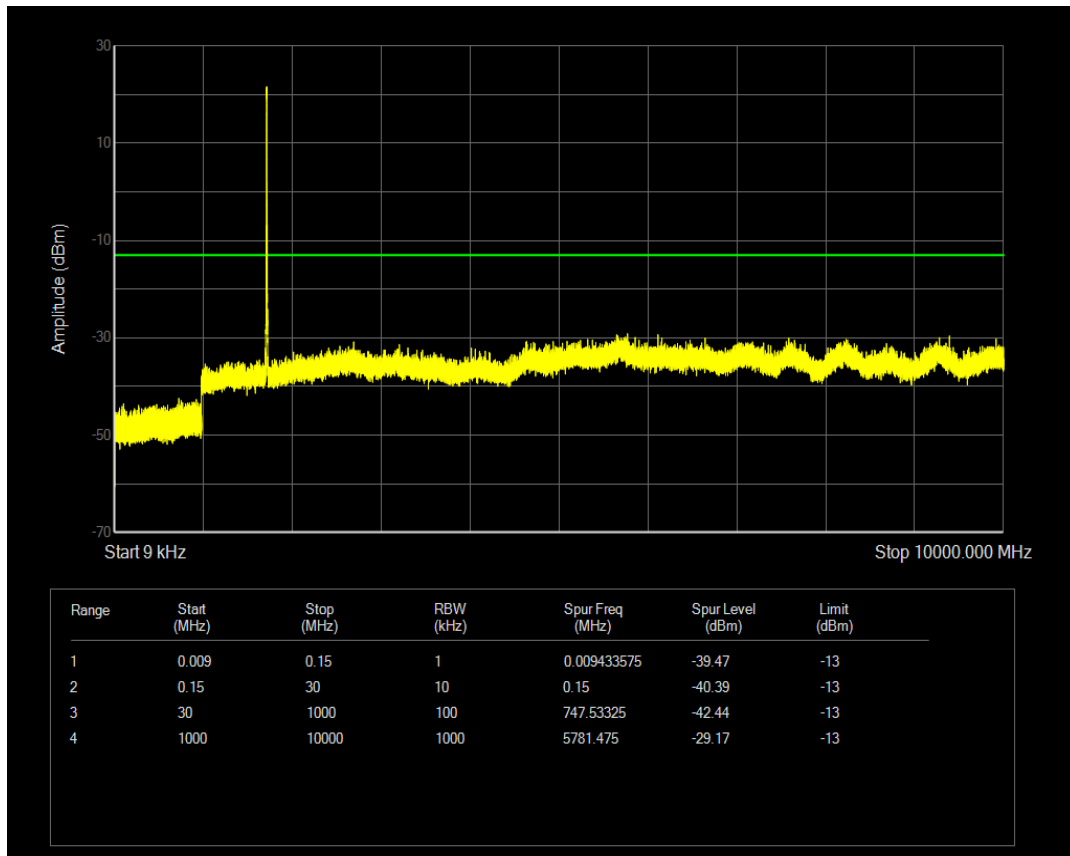
Band4 16QAM BW=3MHz Channel=20175 RB Size=15 Position=#0



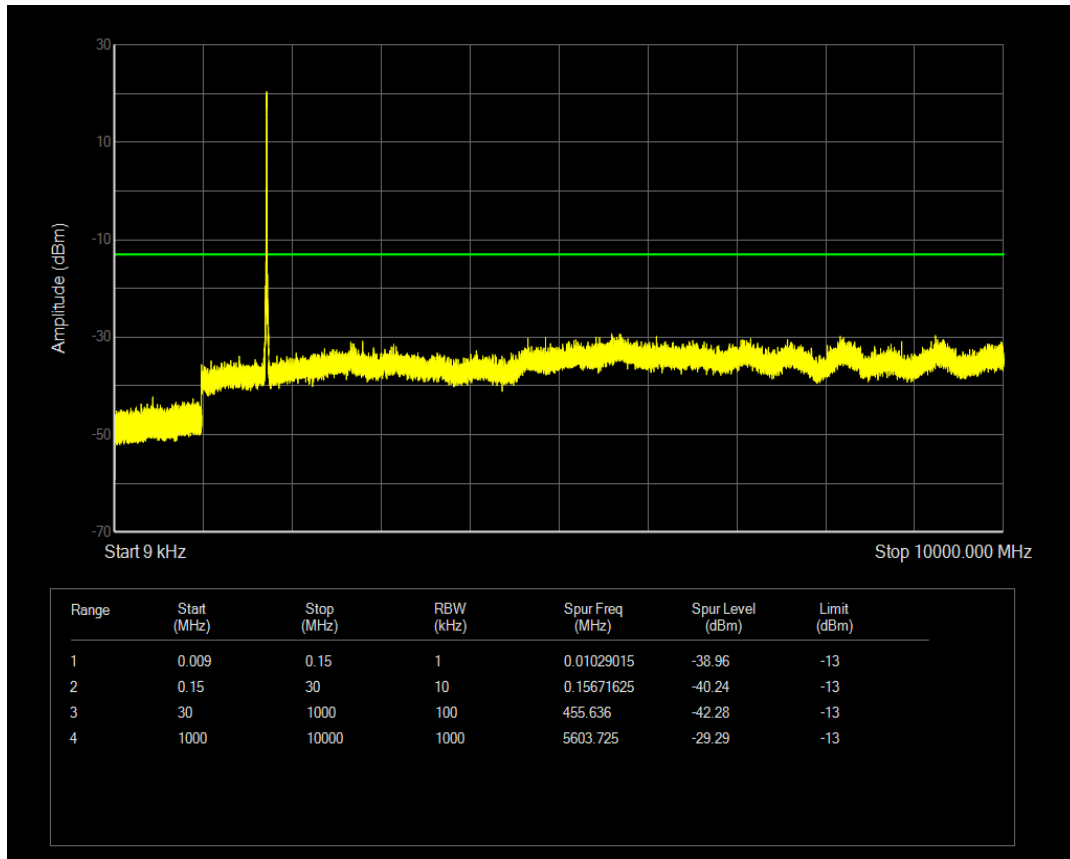
Band4 QPSK BW=5MHz Channel=20175 RB Size=25 Position=#0



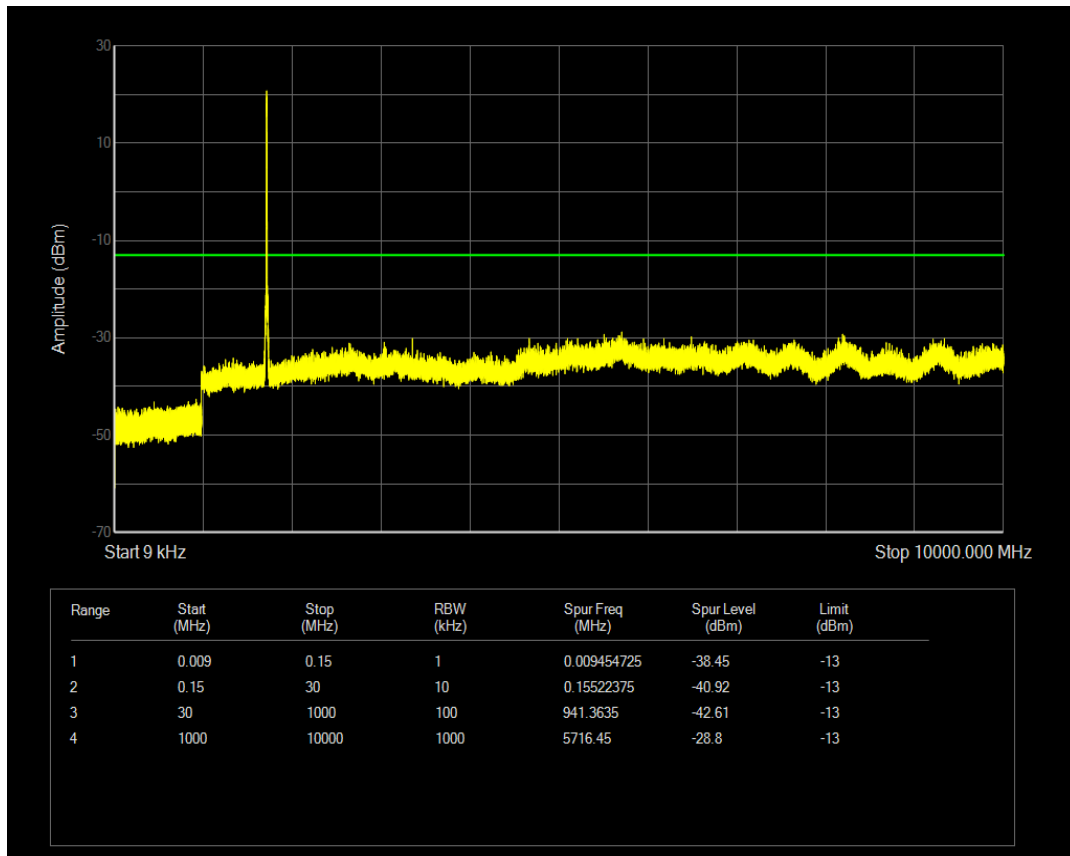
Band4 16QAM BW=5MHz Channel=20175 RB Size=25 Position=#0



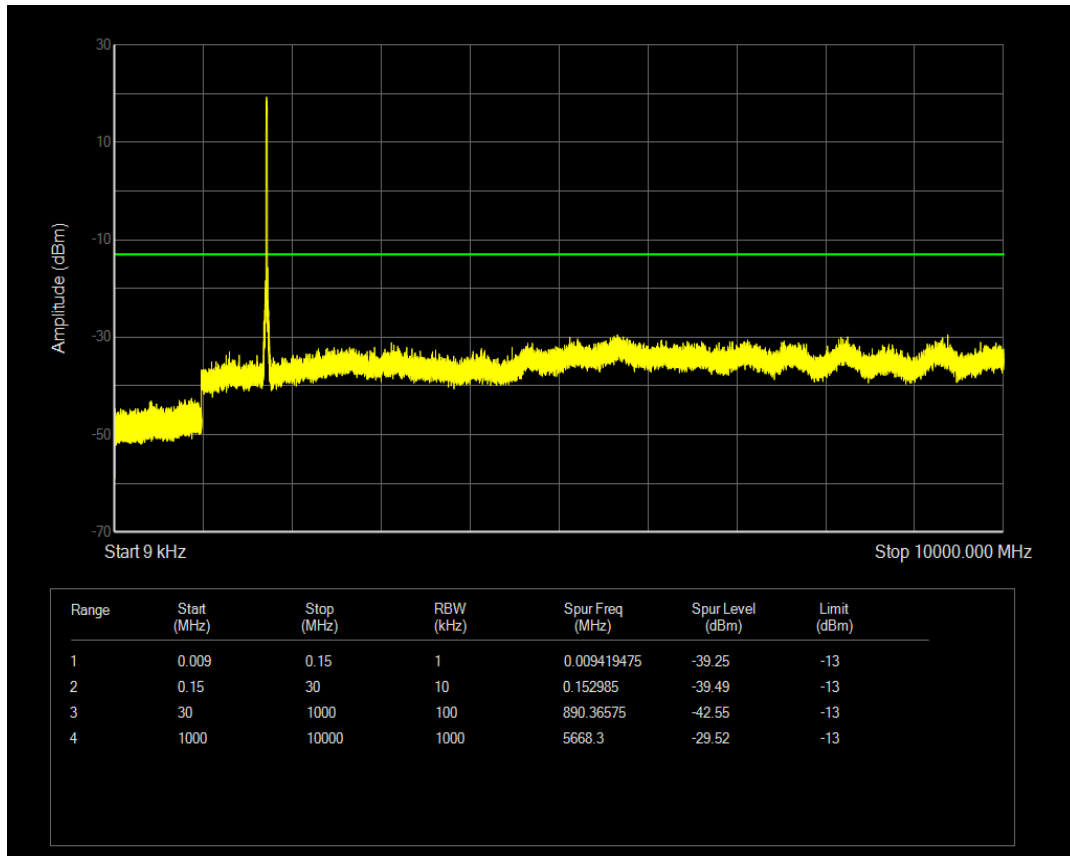
Band4 QPSK BW=10MHz Channel=20175 RB Size=50 Position=#0



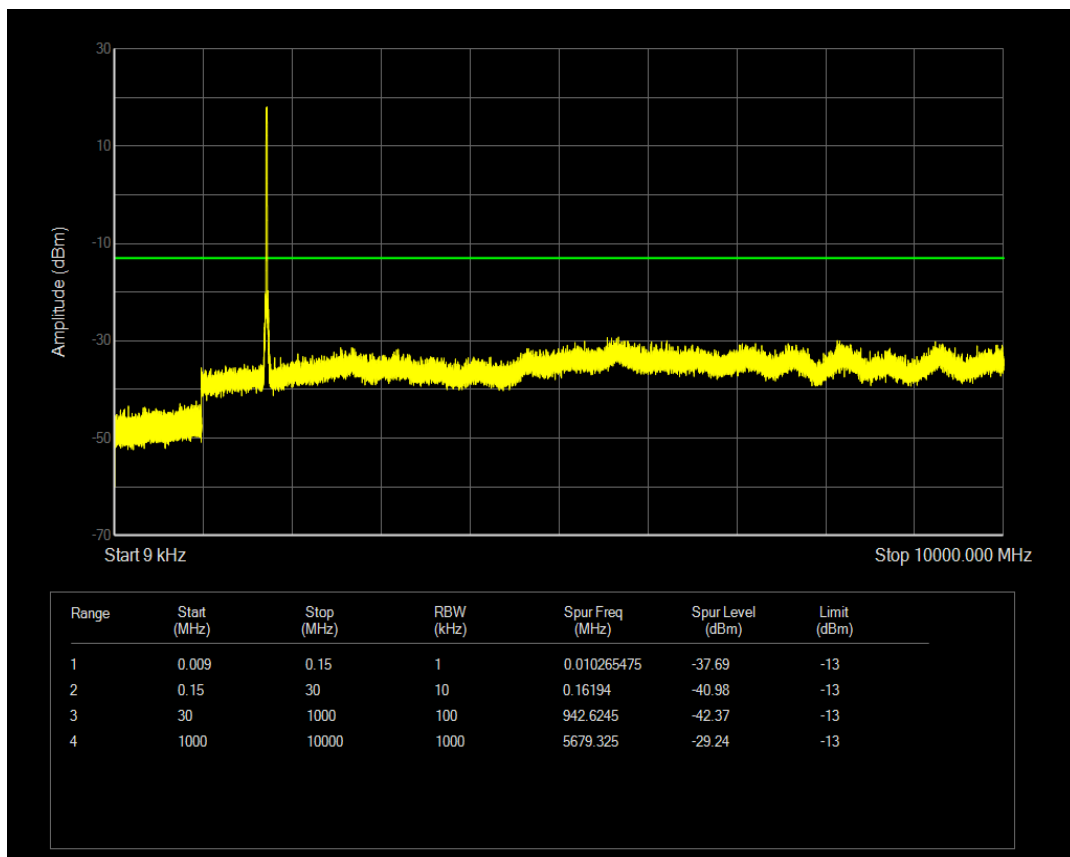
Band4 16QAM BW=10MHz Channel=20175 RB Size=50 Position=#0



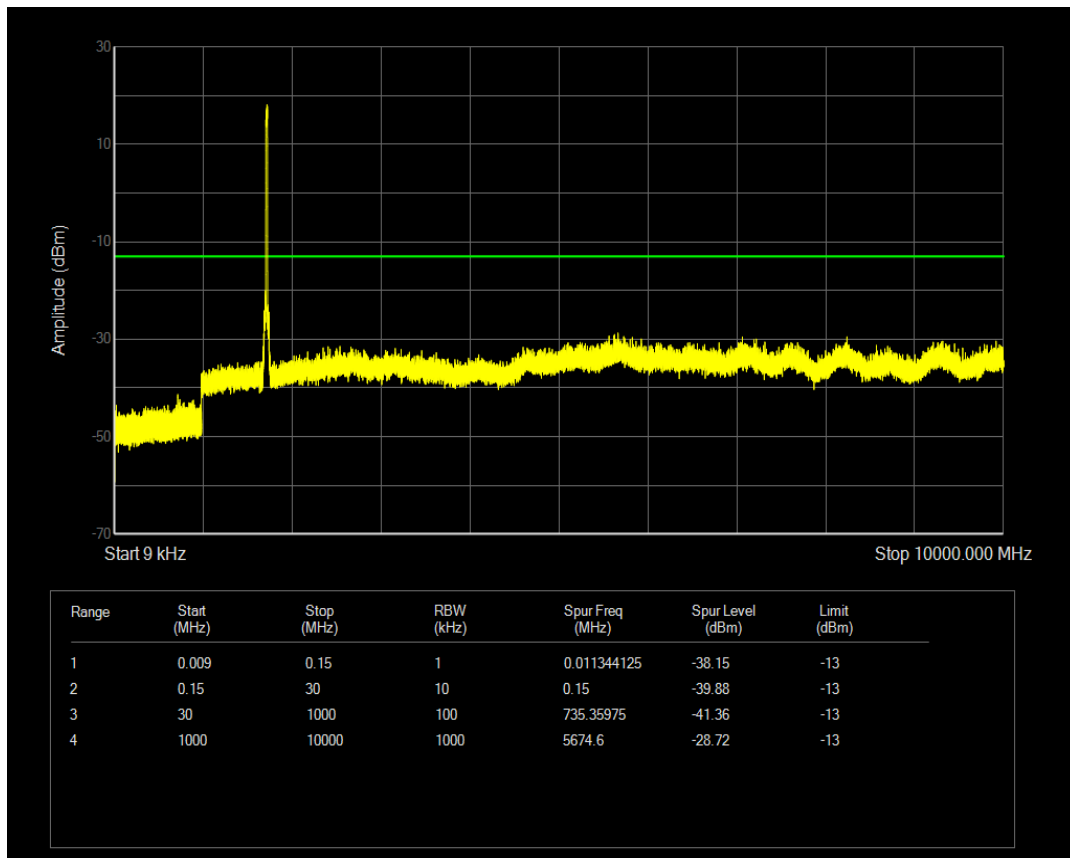
Band4 QPSK BW=15MHz Channel=20175 RB Size=75 Position=#0



Band4 16QAM BW=15MHz Channel=20175 RB Size=75 Position=#0



Band4 QPSK BW=20MHz Channel=20175 RB Size=100 Position=#0



Band4 16QAM BW=20MHz Channel=20175 RB Size=100 Position=#0

