



Appendix E for BT RF Test Data

Product Name: myFirst Fone R1s, S11

Test Model: KW1305, G4K1

Environmental Conditions

Temperature:	24.5 ° C
Relative Humidity:	53.3%
ATM Pressure:	100.0 kPa
Test Engineer:	LIHUAN
Supervised by:	Tom Liu



E.1 RF Output Power

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVNT	1-DH5	2402	1.77	20	Pass
NVNT	1-DH5	2441	1.91	20	Pass
NVNT	1-DH5	2480	2.06	20	Pass
NVNT	2-DH5	2402	1.53	20	Pass
NVNT	2-DH5	2441	1.26	20	Pass
NVNT	2-DH5	2480	1.52	20	Pass
NVNT	3-DH5	2402	1.78	20	Pass
NVNT	3-DH5	2441	1.25	20	Pass
NVNT	3-DH5	2480	1.57	20	Pass

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVLT	1-DH5	2402	1.76	20	Pass
NVLT	1-DH5	2441	1.90	20	Pass
NVLT	1-DH5	2480	2.04	20	Pass
NVLT	2-DH5	2402	1.51	20	Pass
NVLT	2-DH5	2441	1.25	20	Pass
NVLT	2-DH5	2480	1.51	20	Pass
NVLT	3-DH5	2402	1.77	20	Pass
NVLT	3-DH5	2441	1.24	20	Pass
NVLT	3-DH5	2480	1.56	20	Pass

Condition	Mode	Frequency (MHz)	Max EIRP (dBm)	Limit (dBm)	Verdict
NVHT	1-DH5	2402	1.73	20	Pass
NVHT	1-DH5	2441	1.87	20	Pass
NVHT	1-DH5	2480	2.03	20	Pass
NVHT	2-DH5	2402	1.50	20	Pass
NVHT	2-DH5	2441	1.24	20	Pass
NVHT	2-DH5	2480	1.50	20	Pass
NVHT	3-DH5	2402	1.76	20	Pass
NVHT	3-DH5	2441	1.23	20	Pass
NVHT	3-DH5	2480	1.51	20	Pass

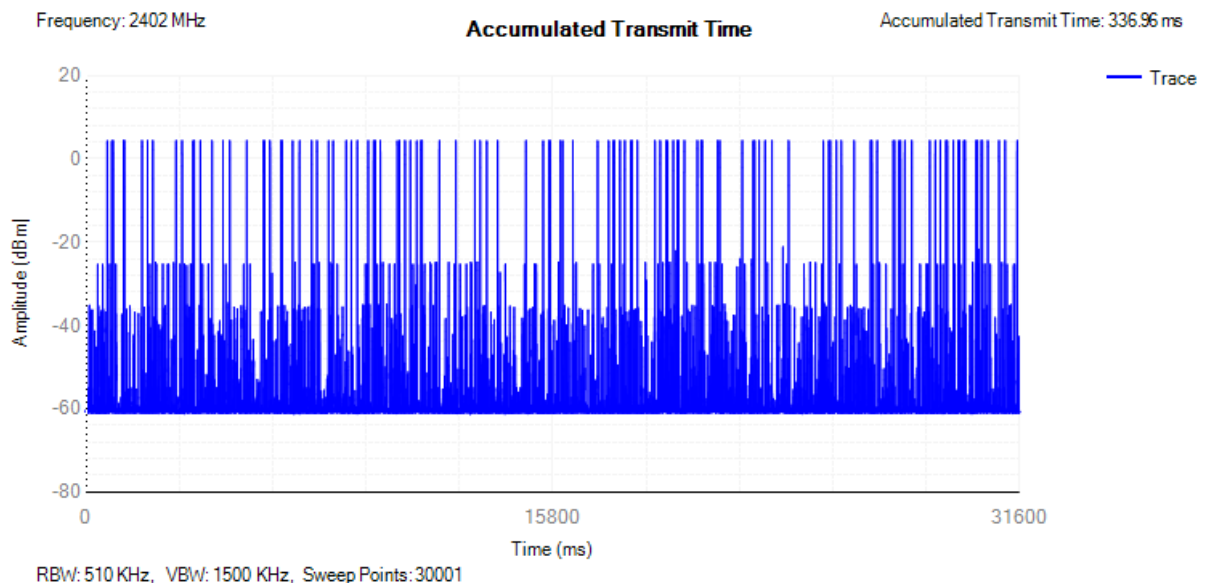
***Note: 20 bursts had been captured for power measurement.



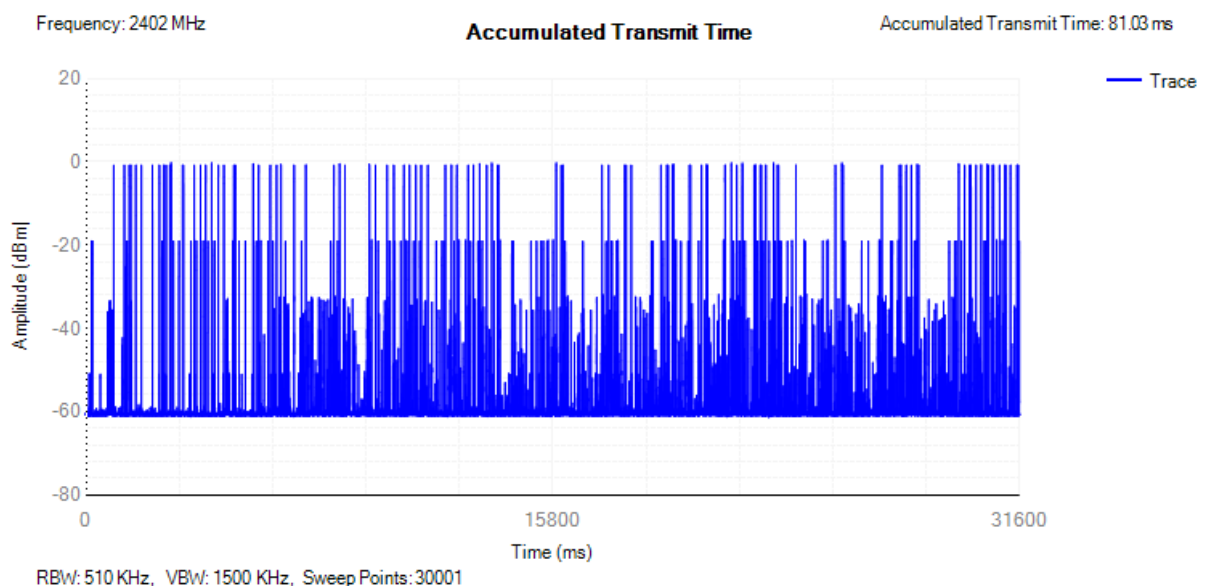
E.2 Accumulated Transmit Time

Condition	Mode	Frequency (MHz)	Accumulated Transmit Time (ms)	Limit (ms)	Sweep Time (ms)	Burst Number	Verdict
NVNT	1-DH5	2402	336.96	400	31600	117	Pass
NVNT	2-DH5	2402	81.03	400	31600	219	Pass
NVNT	3-DH5	2402	74.37	400	31600	201	Pass

Dwell NVNT 1-DH5 2402MHz

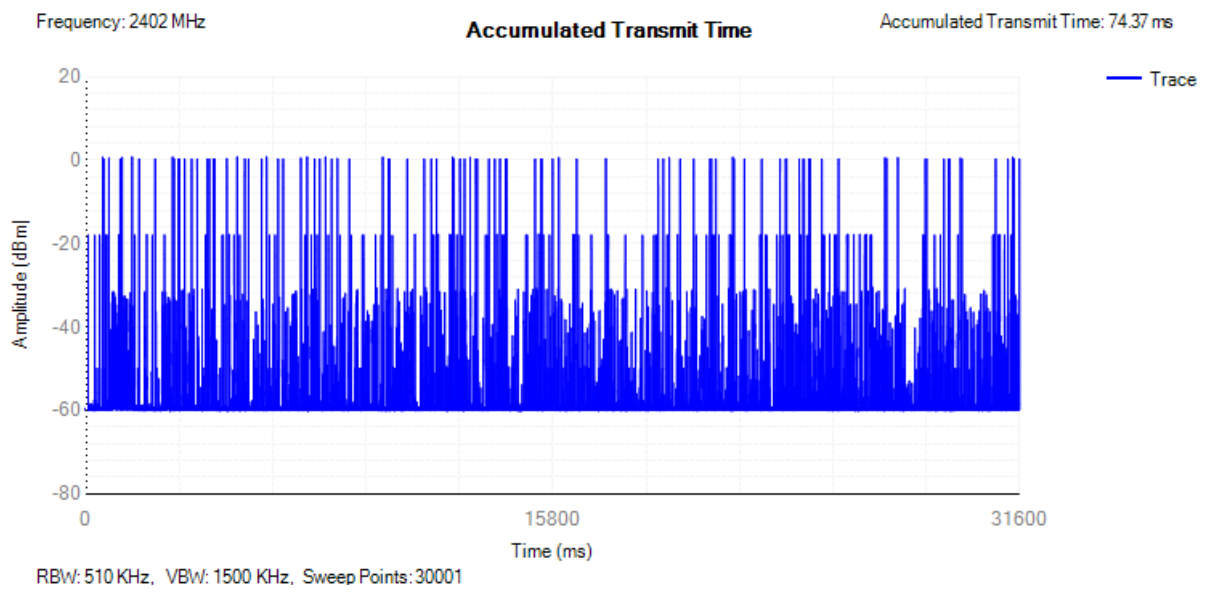


Dwell NVNT 2-DH5 2402MHz





Dwell NVNT 3-DH5 2402MHz

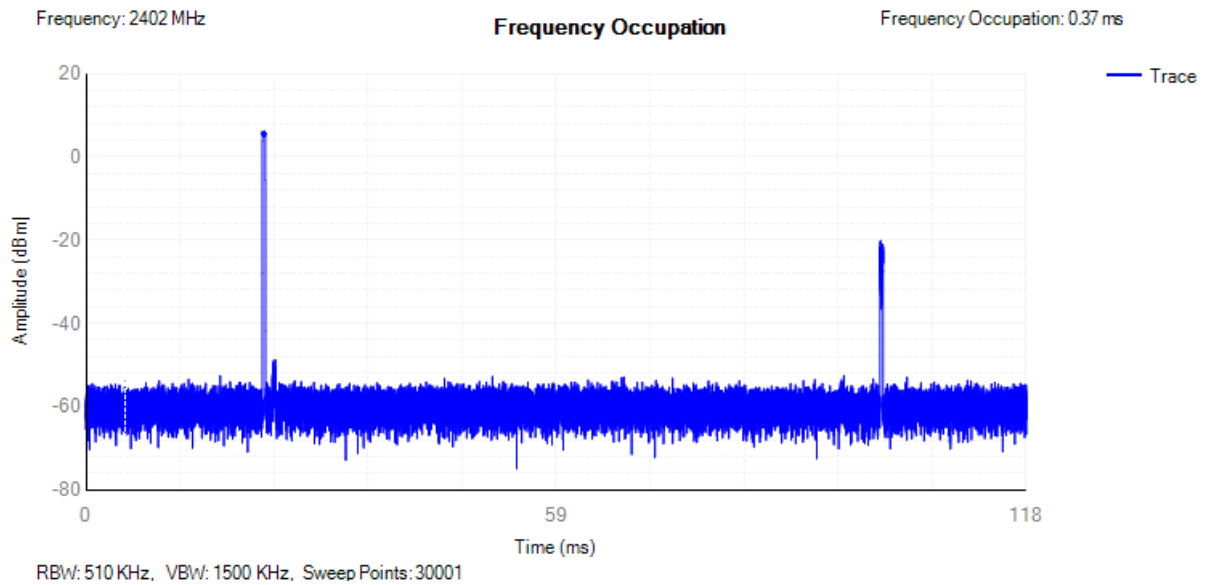




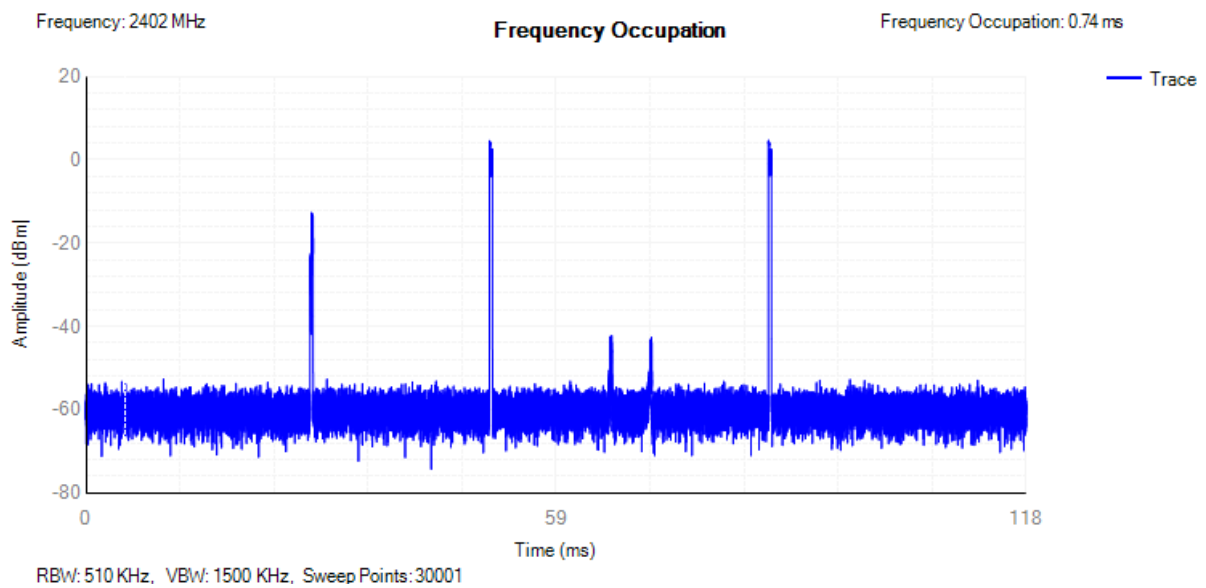
E.3 Frequency Occupation

Condition	Mode	Frequency (MHz)	Frequency Occupation (ms)	Limit (ms)	Sweep Time (ms)	Burst Number	Verdict
NVNT	1-DH1	2402	0.37	0	116.92	1	Pass
NVNT	2-DH1	2402	0.74	0	116.92	2	Pass
NVNT	3-DH1	2402	0.37	0	116.92	1	Pass

Freq. Occup. NVNT 1-DH1 2402MHz

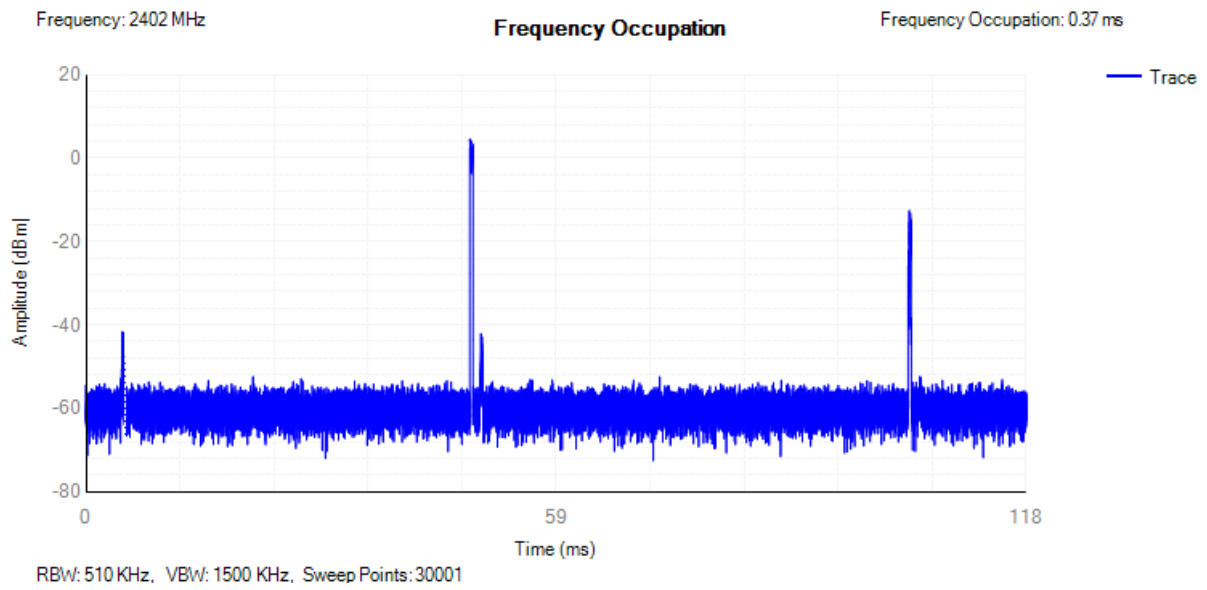


Freq. Occup. NVNT 2-DH1 2402MHz





Freq. Occup. NVNT 3-DH1 2402MHz

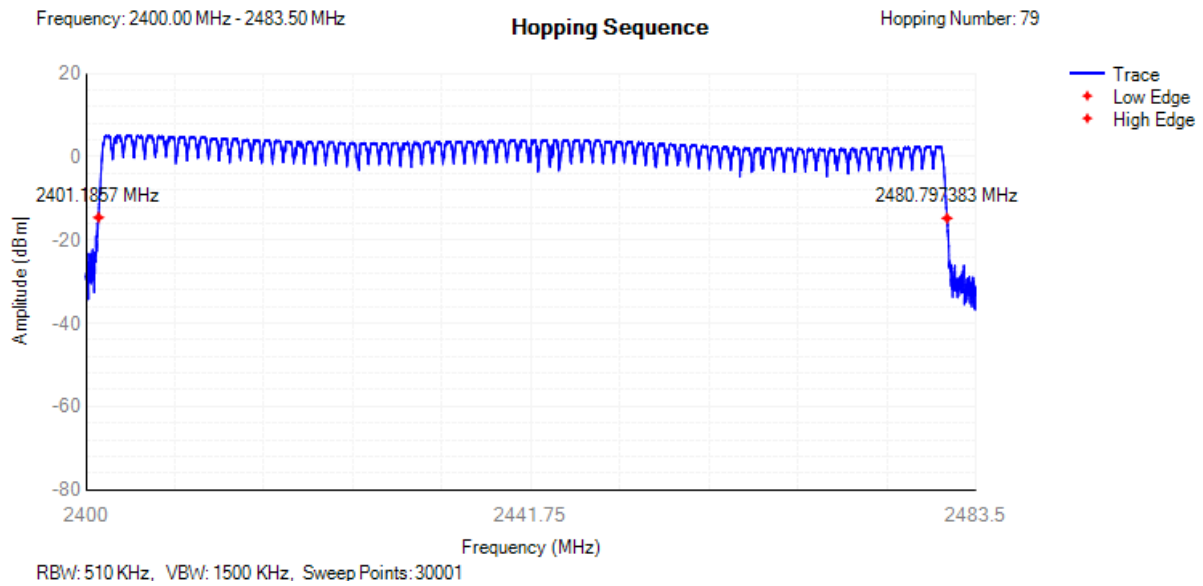




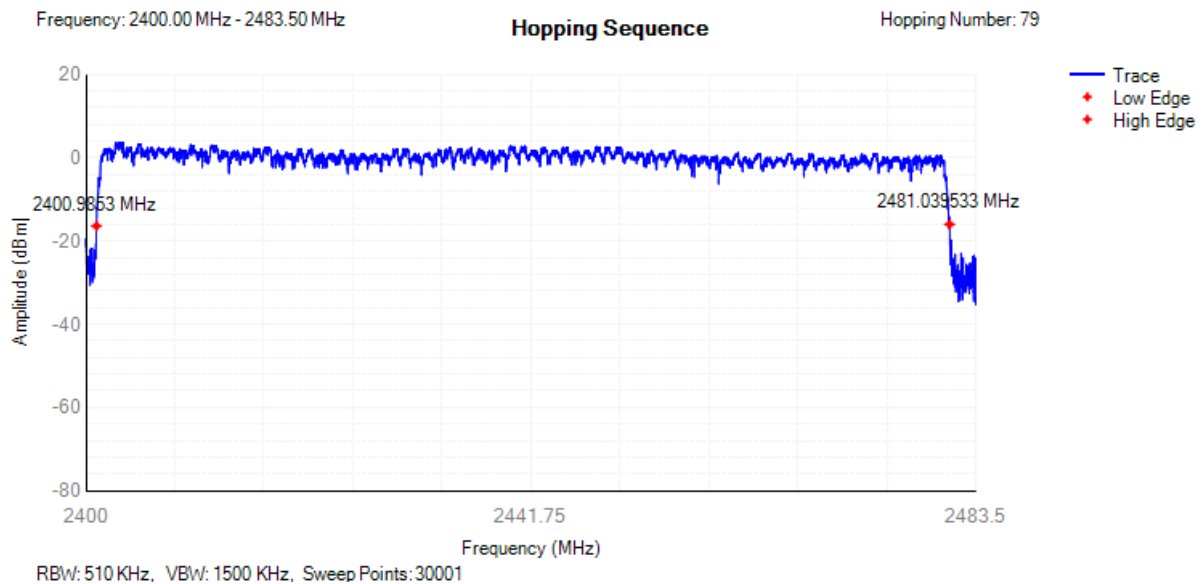
E.4 Hopping Sequence

Condition	Mode	Hopping Number	Limit	Band Allocation (%)	Limit Band Allocation (%)	Verdict
NVNT	1-DH5	79	15	95.34	70	Pass
NVNT	2-DH5	79	15	95.87	70	Pass
NVNT	3-DH5	79	15	95.92	70	Pass

Hopping Seq. NVNT 1-DH5 2402MHz

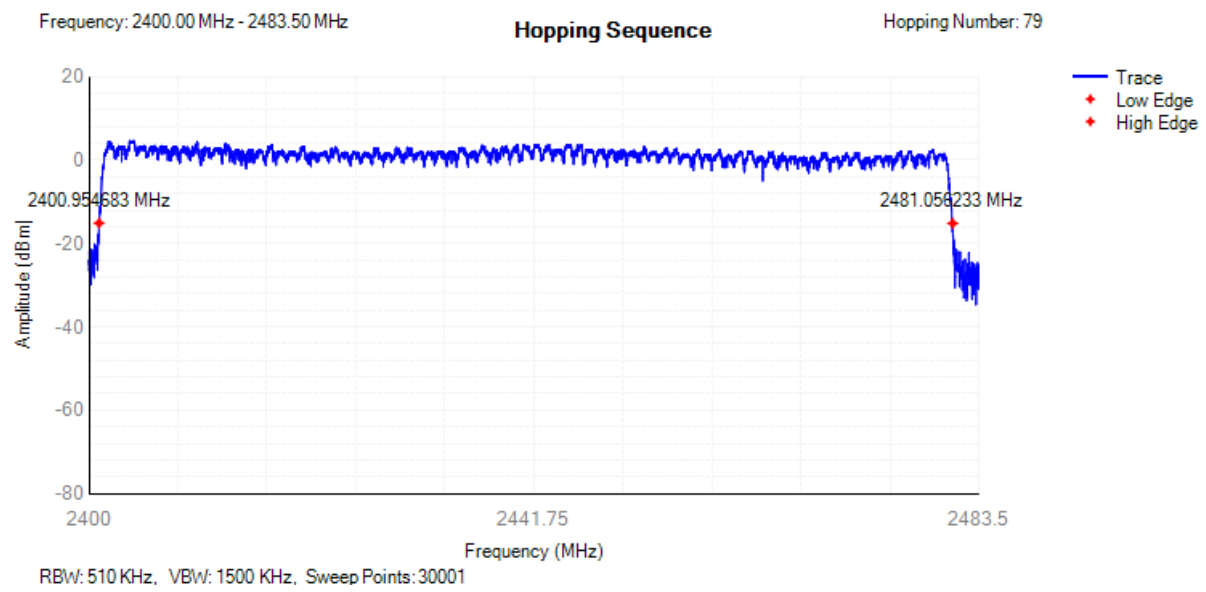


Hopping Seq. NVNT 2-DH5 2402MHz





Hopping Seq. NVNT 3-DH5 2402MHz

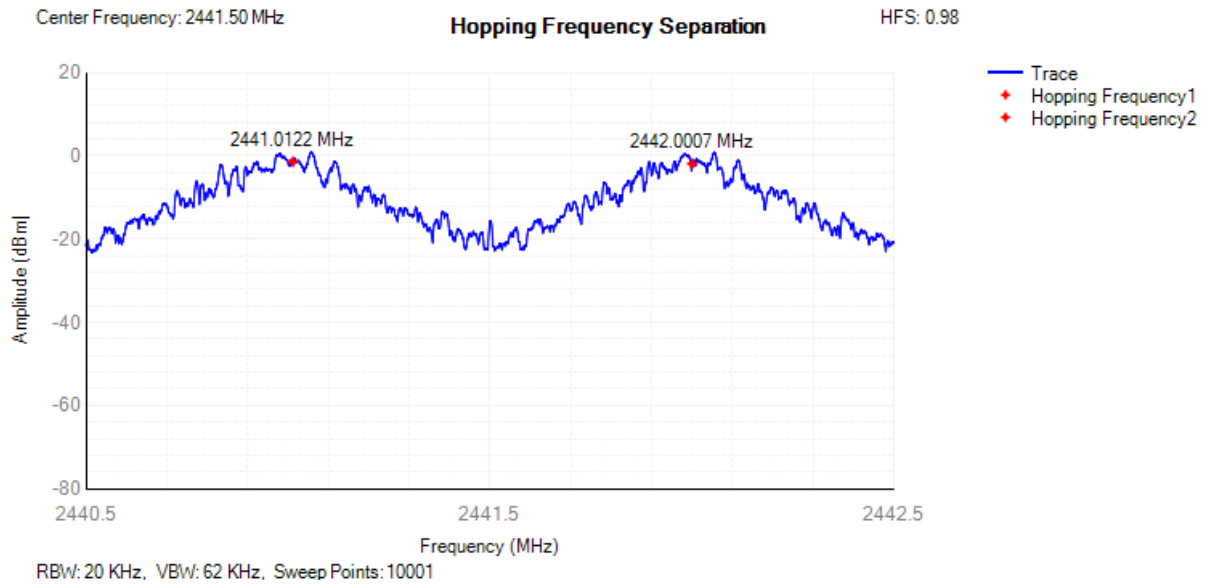




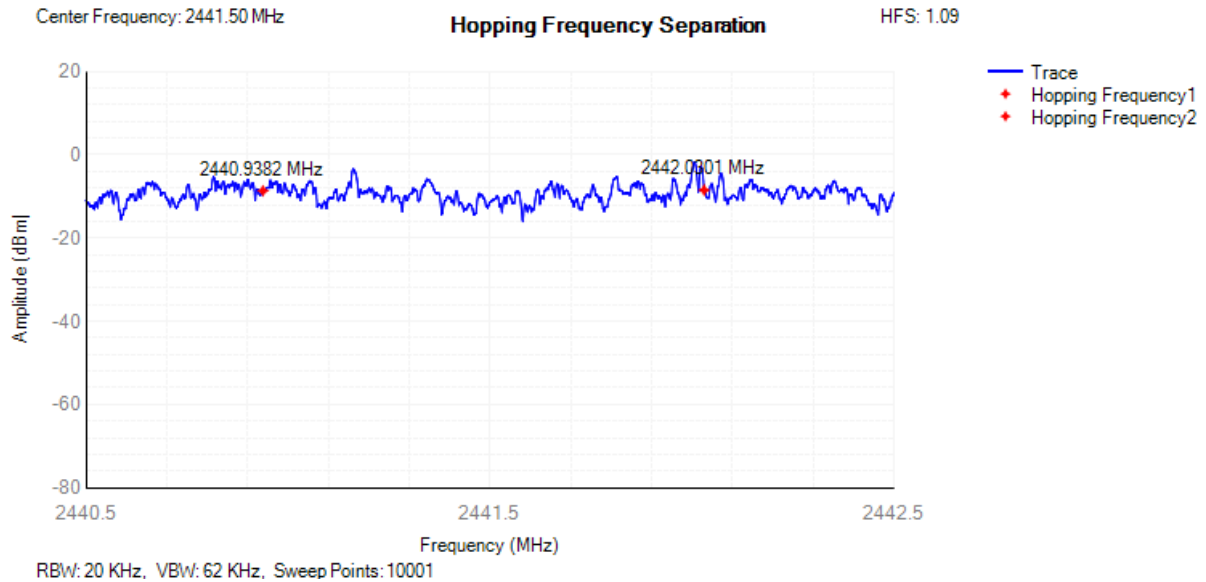
E.5 Hopping Frequency Separation

Condition	Mode	Hopping Freq1 (MHz)	Hopping Freq2 (MHz)	HFS (MHz)	Limit (MHz)	Verdict
NVNT	1-DH5	2441.0122	2442.0007	0.98	0.1	Pass
NVNT	2-DH5	2440.9382	2442.0301	1.09	0.1	Pass
NVNT	3-DH5	2441.035	2442.142	1.1	0.1	Pass

HFS NVNT 1-DH5 2441MHz

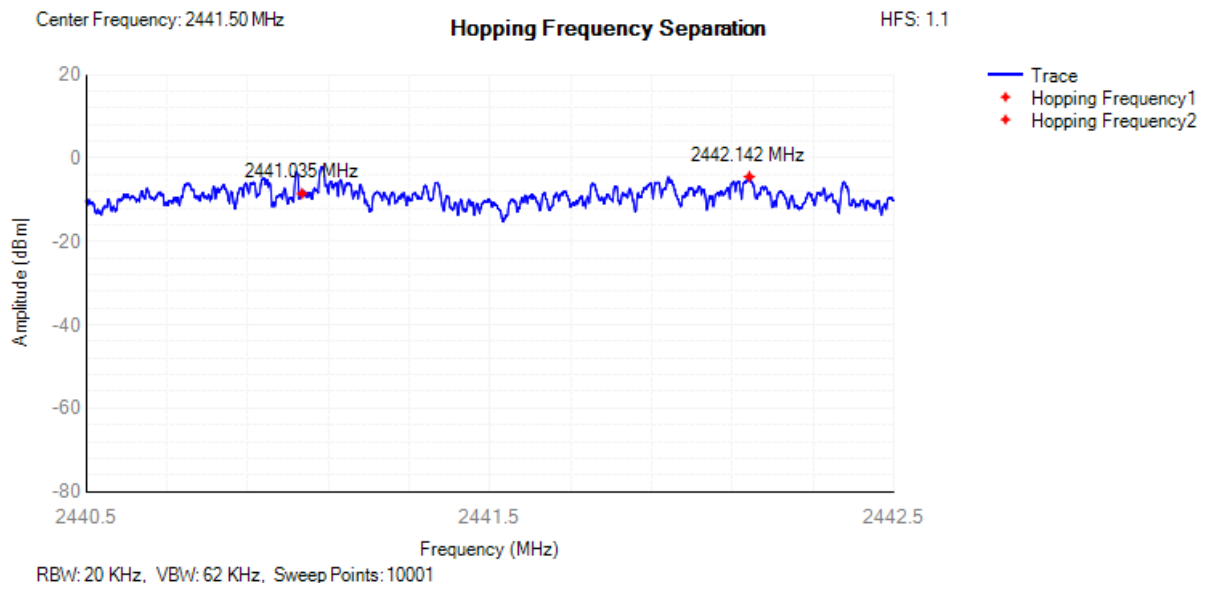


HFS NVNT 2-DH5 2441MHz





HFS NVNT 3-DH5 2441MHz

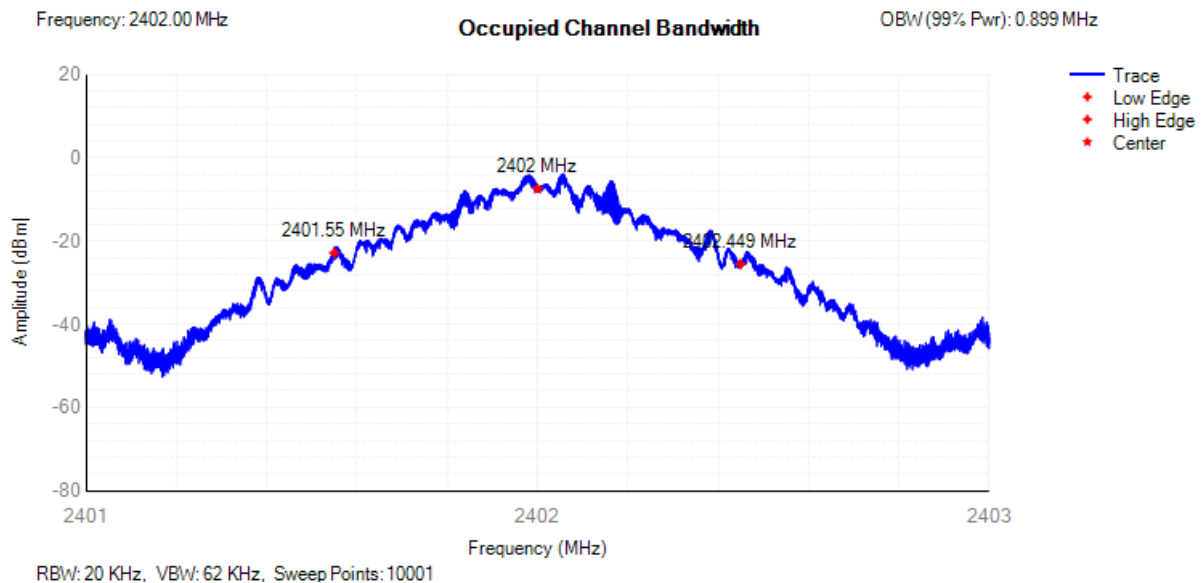




E.6 Occupied Channel Bandwidth

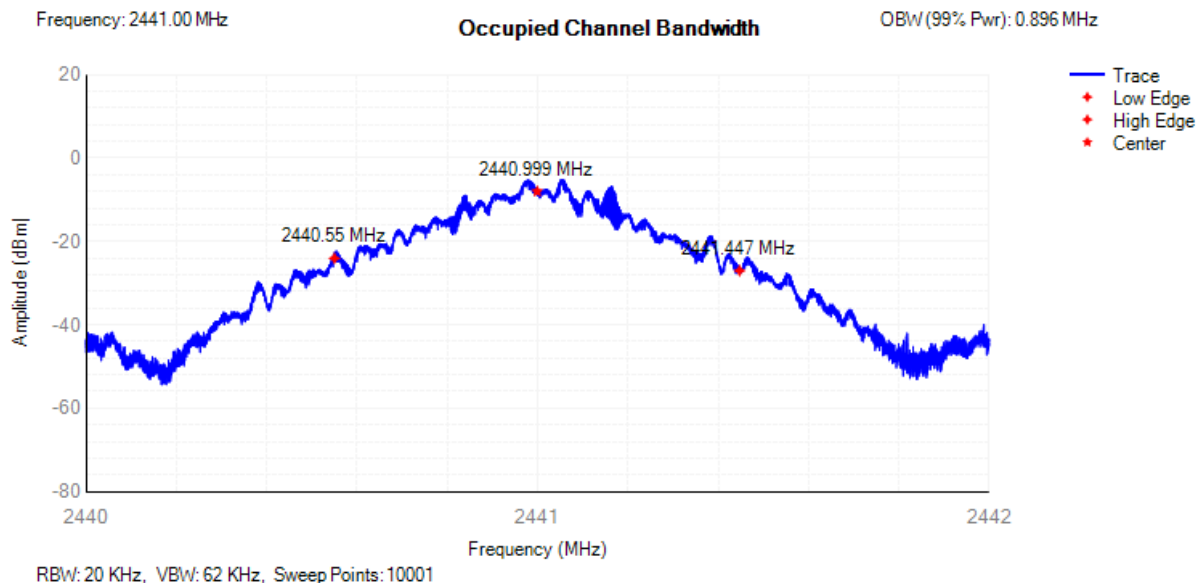
Condition	Mode	Frequency (MHz)	Center Frequency (MHz)	OBW (MHz)	Lower Edge (MHz)	Upper Edge (MHz)	Limit OBW (MHz)	Verdict
NVNT	1-DH5	2402	2402	0.899	2401.55	2402.449	2400 - 2483.5MHz	Pass
NVNT	1-DH5	2441	2440.999	0.896	2440.55	2441.447	2400 - 2483.5MHz	Pass
NVNT	1-DH5	2480	2479.998	0.892	2479.552	2480.445	2400 - 2483.5MHz	Pass
NVNT	2-DH5	2402	2401.996	1.181	2401.406	2402.587	2400 - 2483.5MHz	Pass
NVNT	2-DH5	2441	2440.998	1.191	2440.403	2441.594	2400 - 2483.5MHz	Pass
NVNT	2-DH5	2480	2479.999	1.195	2479.401	2480.596	2400 - 2483.5MHz	Pass
NVNT	3-DH5	2402	2401.994	1.199	2401.394	2402.594	2400 - 2483.5MHz	Pass
NVNT	3-DH5	2441	2440.993	1.205	2440.391	2441.596	2400 - 2483.5MHz	Pass
NVNT	3-DH5	2480	2479.992	1.205	2479.389	2480.594	2400 - 2483.5MHz	Pass

OBW NVNT 1-DH5 2402MHz

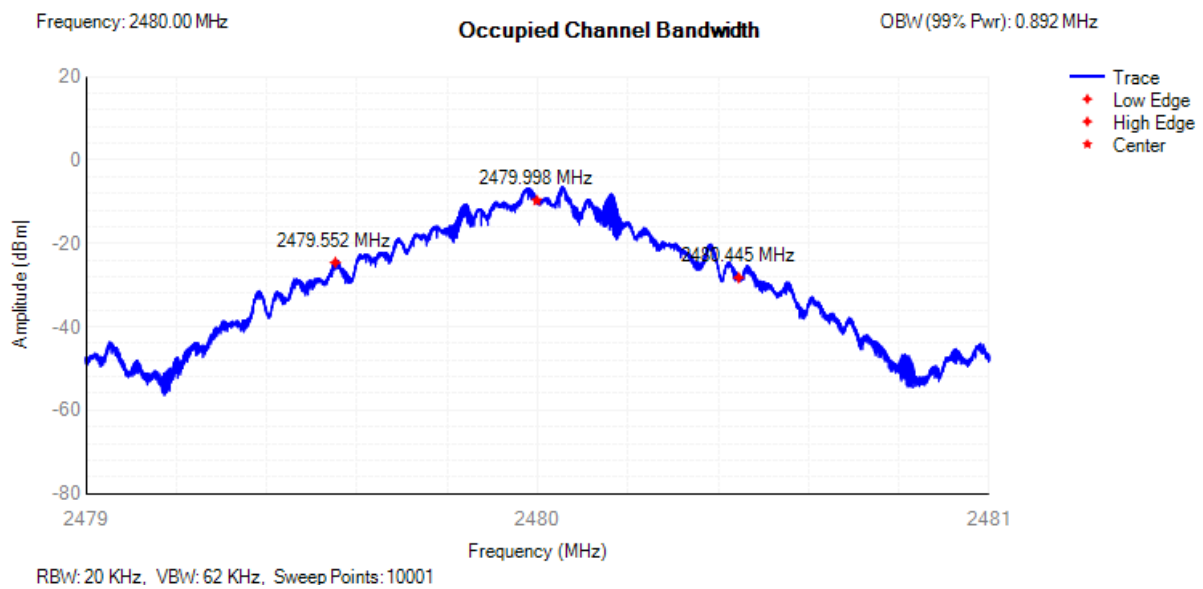




OBW NVNT 1-DH5 2441MHz

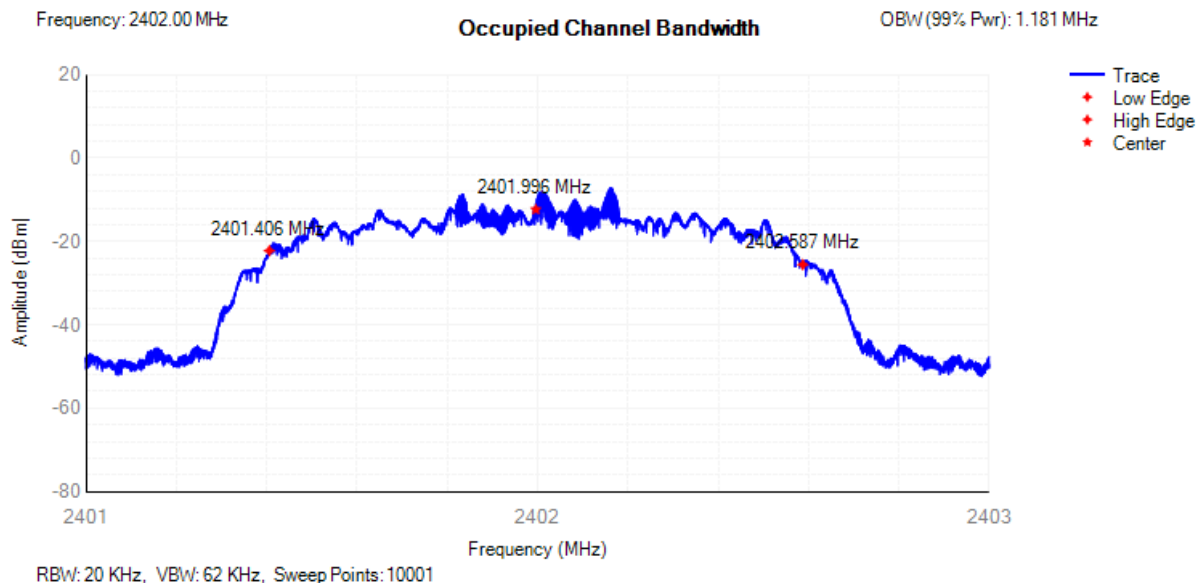


OBW NVNT 1-DH5 2480MHz

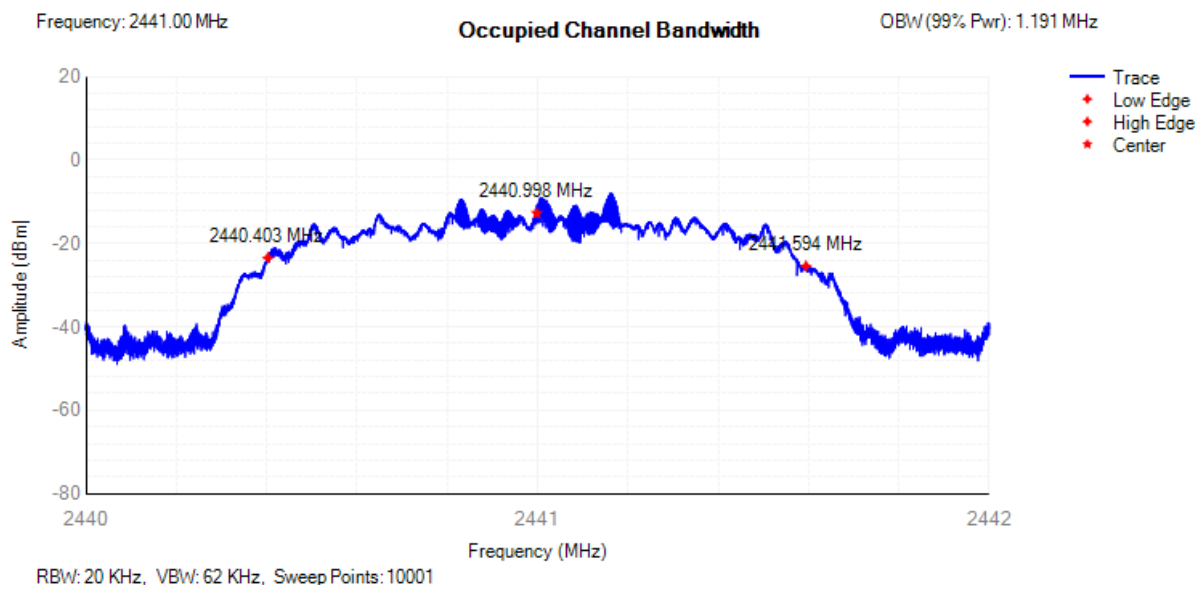




OBW NVNT 2-DH5 2402MHz

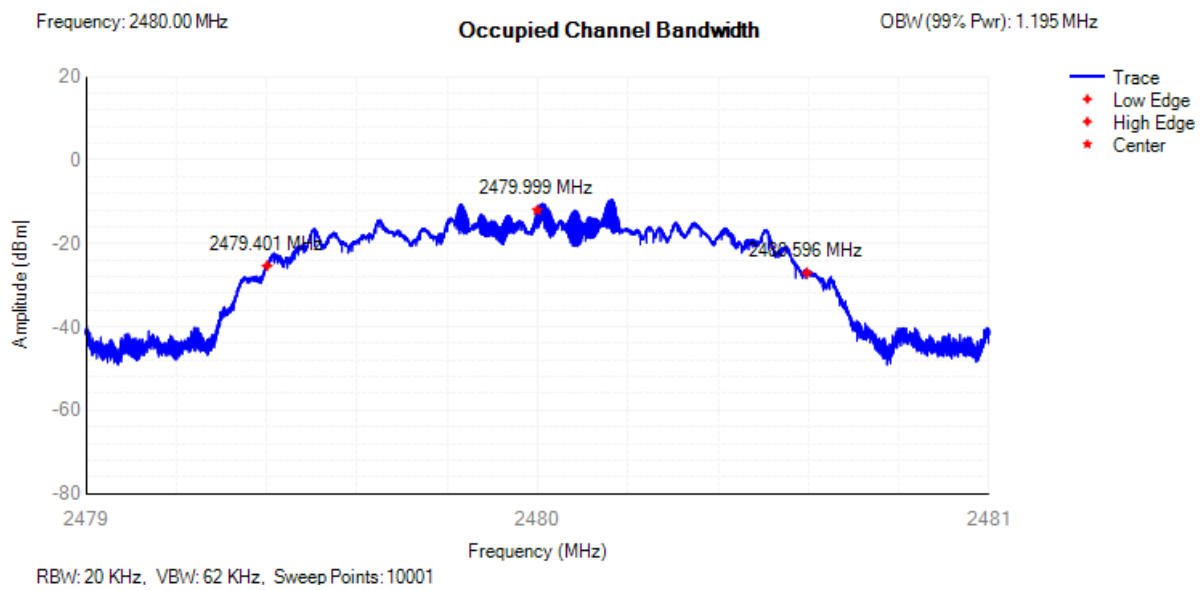


OBW NVNT 2-DH5 2441MHz

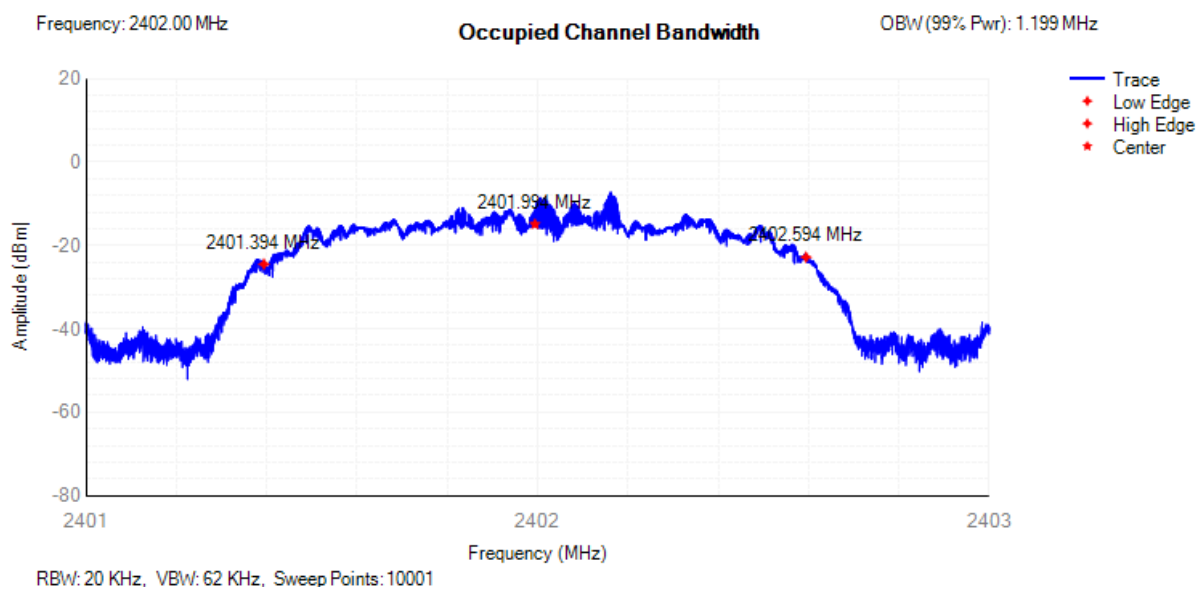




OBW NVNT 2-DH5 2480MHz

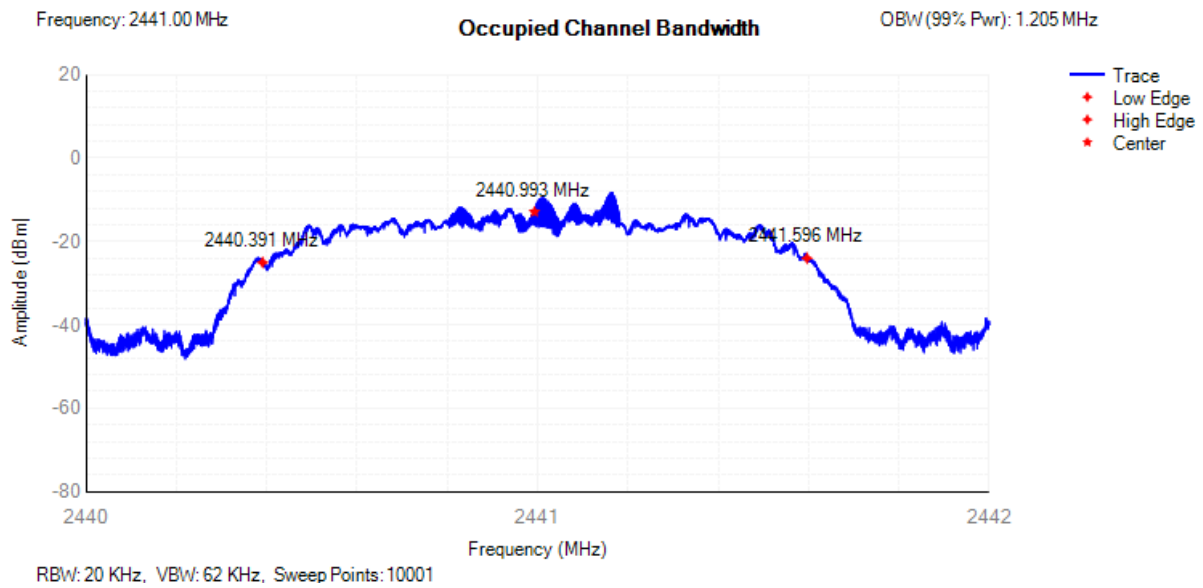


OBW NVNT 3-DH5 2402MHz

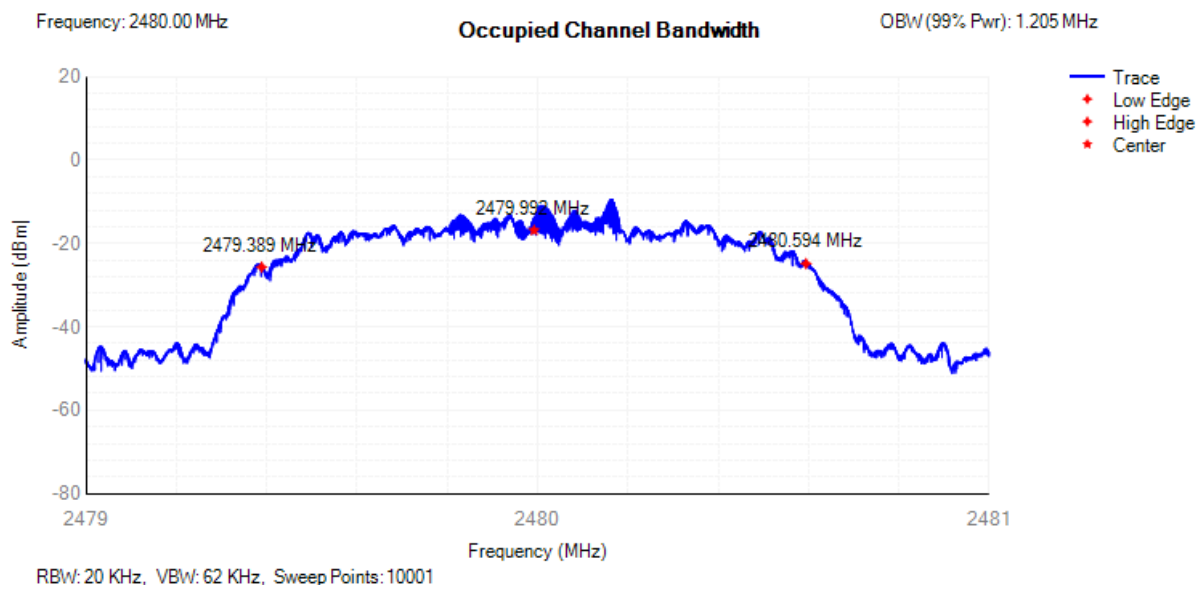




OBW NVNT 3-DH5 2441MHz



OBW NVNT 3-DH5 2480MHz

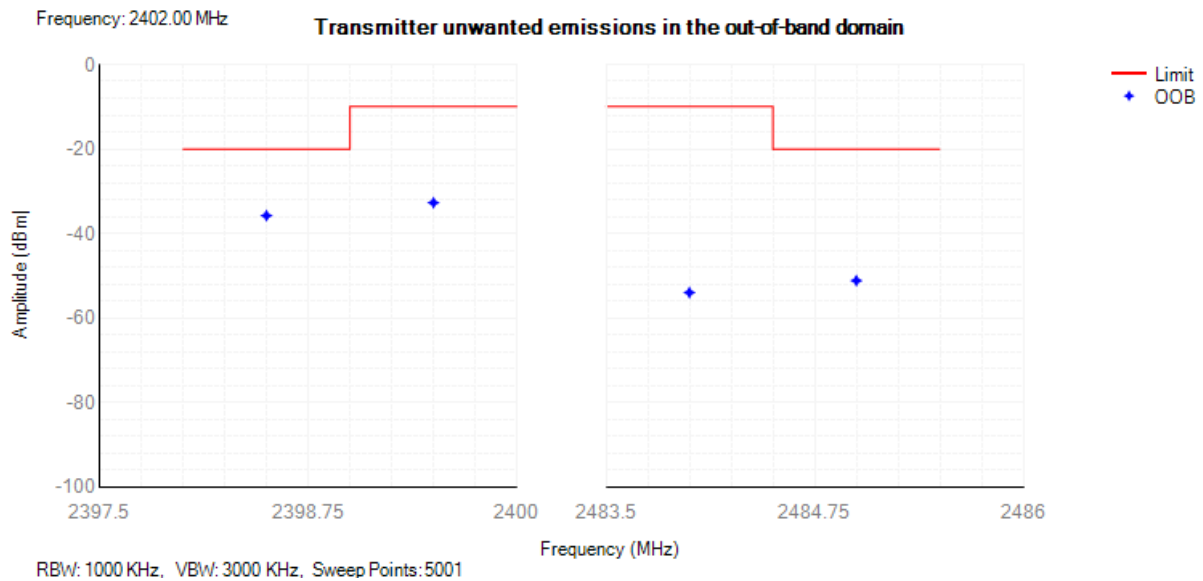




E.7 Transmitter unwanted emissions in the out-of-band domain

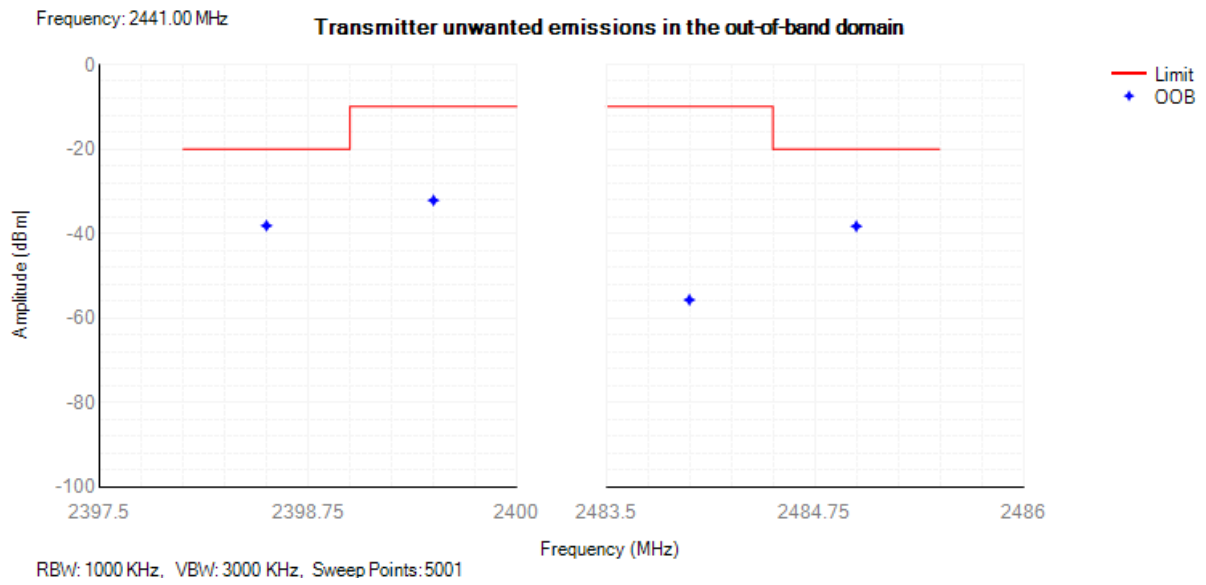
Condition	Mode	Frequency (MHz)	OOB Frequency (MHz)	Level (dBm/MHz)	Limit (dBm/MHz)	Verdict
NVNT	1-DH5	2402	2399.5	-32.71	-10	Pass
NVNT	1-DH5	2402	2398.5	-35.77	-20	Pass
NVNT	1-DH5	2402	2484	-53.97	-10	Pass
NVNT	1-DH5	2402	2485	-51.15	-20	Pass
NVNT	1-DH5	2441	2399.5	-32.16	-10	Pass
NVNT	1-DH5	2441	2398.5	-38.14	-20	Pass
NVNT	1-DH5	2441	2484	-55.7	-10	Pass
NVNT	1-DH5	2441	2485	-38.28	-20	Pass
NVNT	1-DH5	2480	2399.5	-34.23	-10	Pass
NVNT	1-DH5	2480	2398.5	-34.36	-20	Pass
NVNT	1-DH5	2480	2484	-53.75	-10	Pass
NVNT	1-DH5	2480	2485	-37.64	-20	Pass

Tx. Emissions OOB NVNT 1-DH5 2402MHz

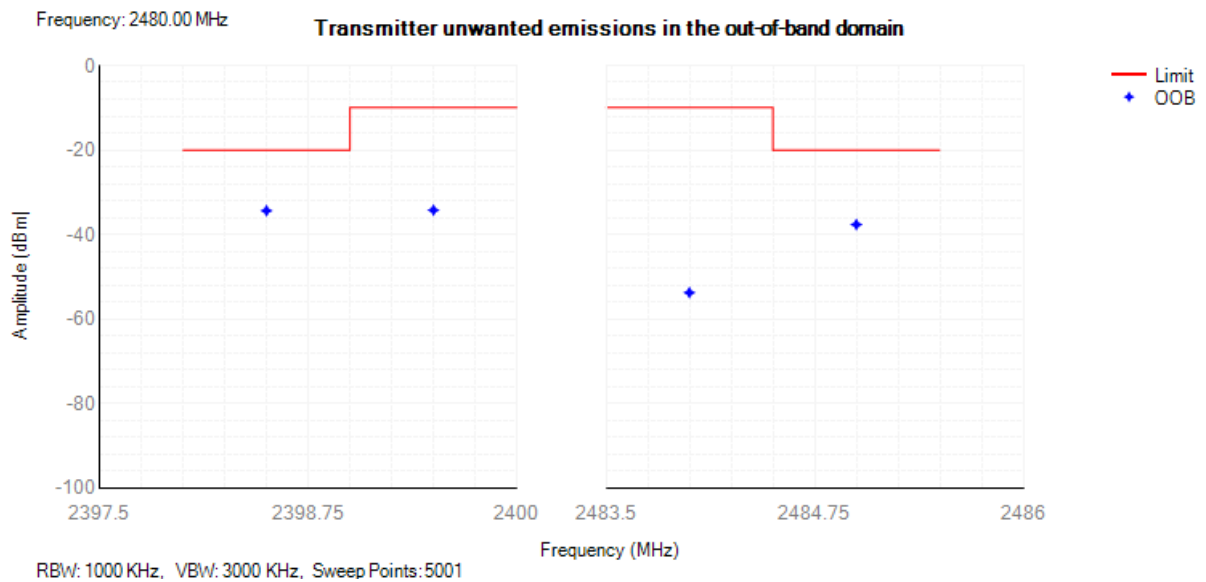




Tx. Emissions OOB NVNT 1-DH5 2441MHz



Tx. Emissions OOB NVNT 1-DH5 2480MHz

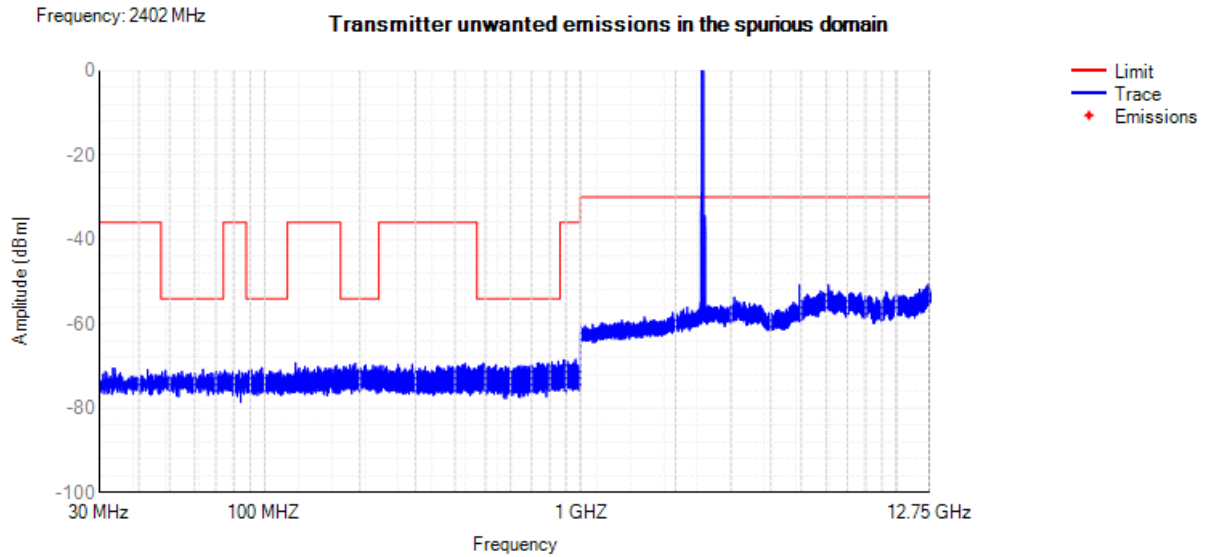




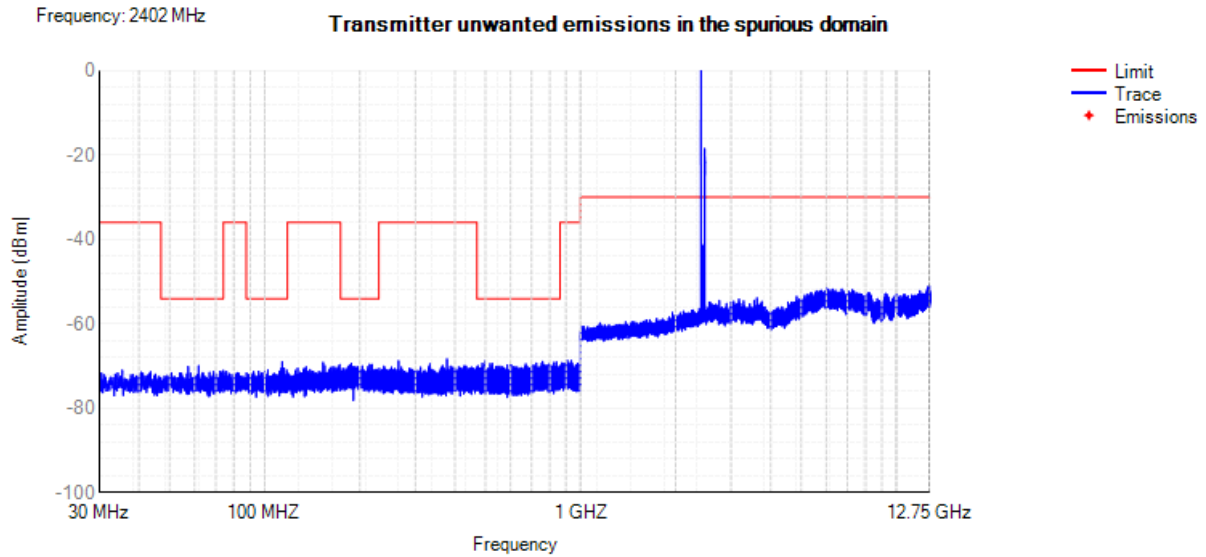
E.8 Transmitter unwanted emissions in the spurious domain

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
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Tx. Spurious NVNT 1-DH5 2402MHz

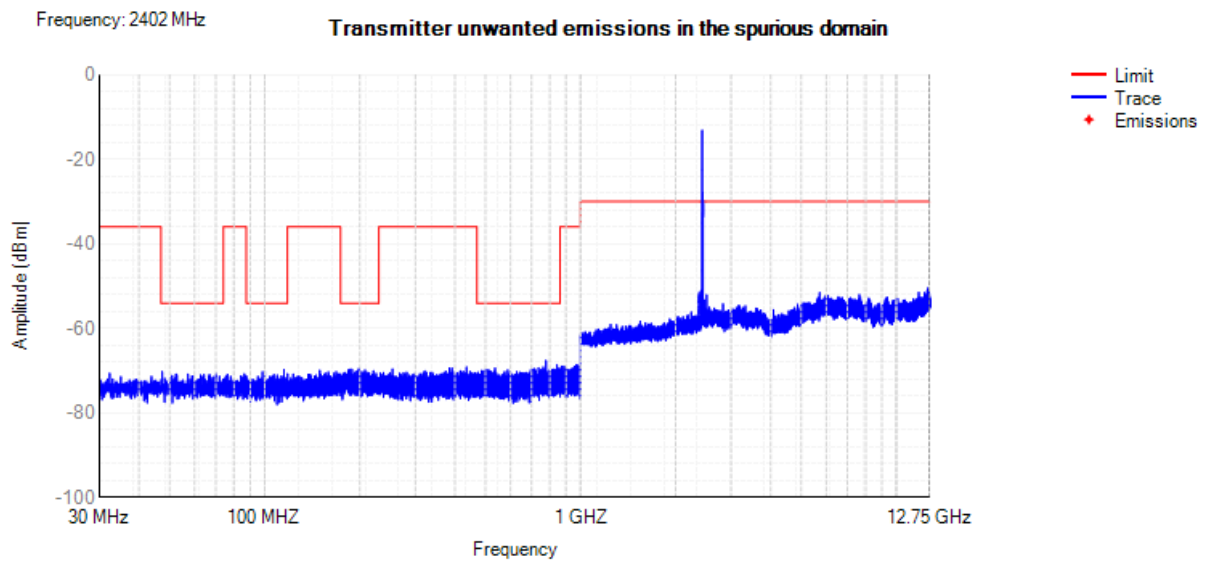


Tx. Spurious NVNT 2-DH5 2402MHz





Tx. Spurious NVNT 3-DH5 2402MHz



Tx. Spurious NVNT 1-DH5

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 0 (2402MHz)					
496.57	H	-65.28	-54.00	-11.28	PK
290.66	V	-50.10	-36.00	-14.10	PK
545.52	H	-64.24	-54.00	-10.24	PK
892.97	V	-49.58	-36.00	-13.58	PK
4803.99	H	-44.84	-30.00	-14.84	PK
4804.00	V	-43.61	-30.00	-13.61	PK
7206.00	H	-44.20	-30.00	-14.20	PK
7205.98	V	-43.71	-30.00	-13.71	PK
Channel 78 (2480MHz)					
510.96	H	-65.43	-54.00	-11.43	PK
253.43	V	-48.99	-36.00	-12.99	PK
736.06	H	-65.39	-54.00	-11.39	PK
527.70	V	-68.91	-54.00	-14.91	PK
4960.02	H	-42.75	-30.00	-12.75	PK
4959.96	V	-41.35	-30.00	-11.35	PK
7440.02	H	-40.64	-30.00	-10.64	PK
7440.03	V	-41.76	-30.00	-11.76	PK

Tx. Spurious NVNT 2-DH5



Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 0 (2402MHz)					
489.12	H	-64.86	-54.00	-10.86	PK
215.18	V	-66.21	-54.00	-12.21	PK
633.24	H	-66.70	-54.00	-12.70	PK
854.71	V	-68.92	-54.00	-14.92	PK
4804.02	H	-44.09	-30.00	-14.09	PK
4804.03	V	-42.52	-30.00	-12.52	PK
7205.99	H	-44.64	-30.00	-14.64	PK
7205.98	V	-41.47	-30.00	-11.47	PK
Channel 78 (2480MHz)					
529.04	H	-67.41	-54.00	-13.41	PK
284.37	V	-50.17	-36.00	-14.17	PK
668.83	H	-67.53	-54.00	-13.53	PK
504.87	V	-67.78	-54.00	-13.78	PK
4959.97	H	-44.68	-30.00	-14.68	PK
4960.02	V	-40.14	-30.00	-10.14	PK
7439.97	H	-41.93	-30.00	-11.93	PK
7440.03	V	-42.67	-30.00	-12.67	PK



Tx. Spurious NVNT 3-DH5

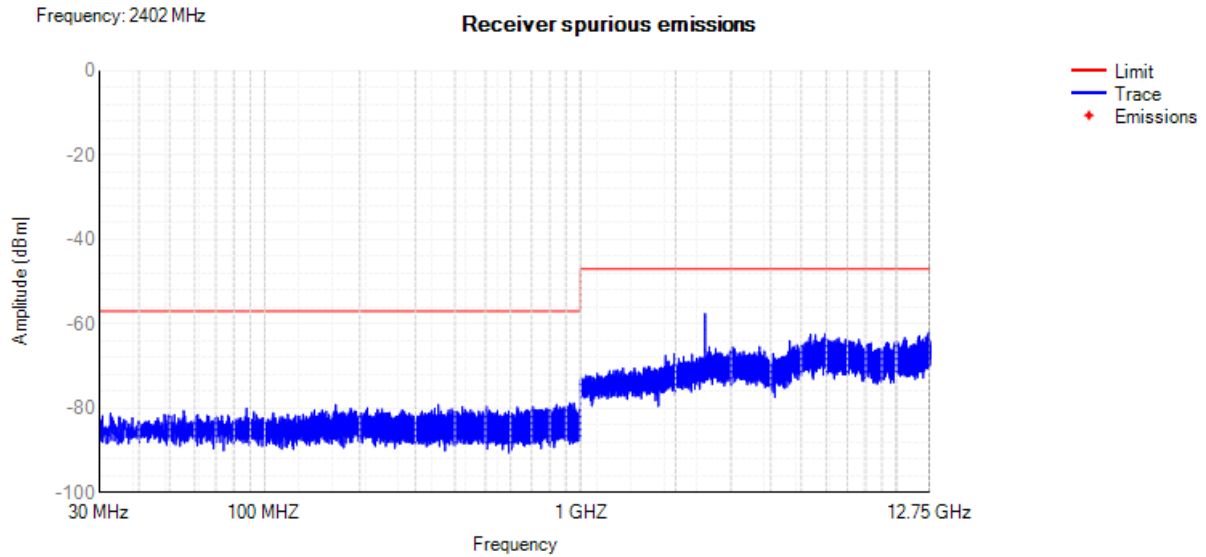
Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 0 (2402MHz)					
446.97	H	-48.76	-36.00	-12.76	PK
497.23	V	-68.29	-54.00	-14.29	PK
781.57	H	-65.44	-54.00	-11.44	PK
541.80	V	-68.44	-54.00	-14.44	PK
4804.01	H	-40.43	-30.00	-10.43	PK
4803.97	V	-43.35	-30.00	-13.35	PK
7205.97	H	-43.91	-30.00	-13.91	PK
7206.02	V	-41.63	-30.00	-11.63	PK
Channel 78 (2480MHz)					
354.41	H	-47.01	-36.00	-11.01	PK
464.98	V	-48.84	-36.00	-12.84	PK
558.45	H	-65.11	-54.00	-11.11	PK
827.80	V	-67.53	-54.00	-13.53	PK
4804.03	H	-42.31	-30.00	-12.31	PK
4803.99	V	-44.48	-30.00	-14.48	PK
7206.02	H	-43.16	-30.00	-13.16	PK
7206.03	V	-42.19	-30.00	-12.19	PK



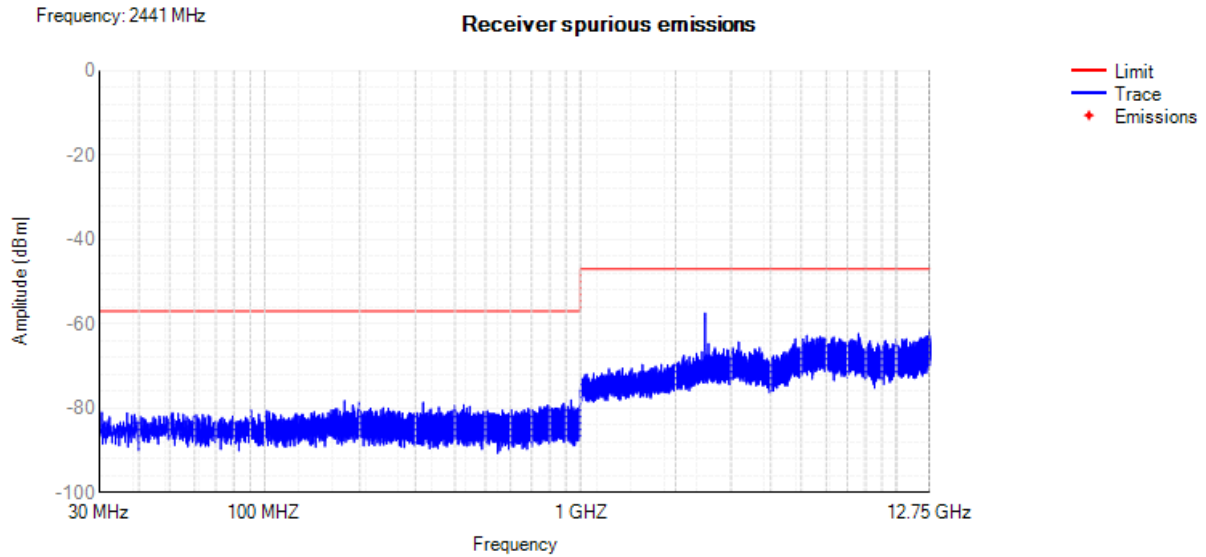
E.9 Receiver spurious emissions

Condition	Mode	Frequency (MHz)	Range	Spur Freq (MHz)	Spur Level (dBm)	Limit (dBm)	Verdict
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Rx. Spurious NVNT 1-DH5 2402MHz

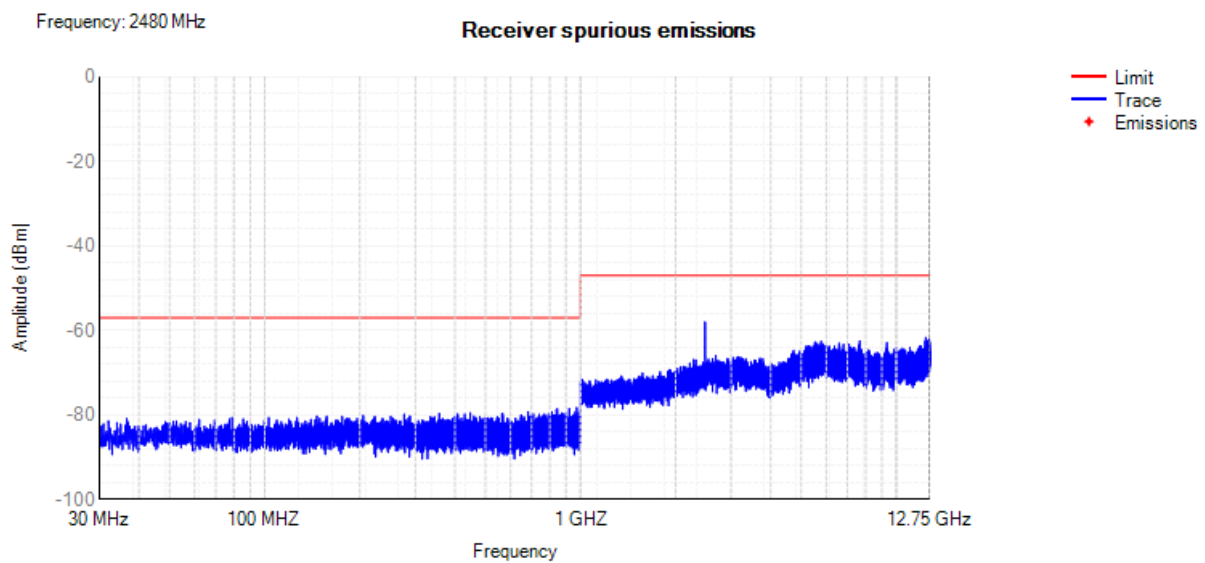


Rx. Spurious NVNT 1-DH5 2441MHz





Rx. Spurious NVNT 1-DH5 2480MHz



Rx. Spurious NVNT 1-DH5

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 0 (2402MHz)					
323.88	H	-71.14	-57.00	-14.14	PK
240.04	V	-68.73	-57.00	-11.73	PK
574.95	H	-69.68	-57.00	-12.68	PK
644.76	V	-71.61	-57.00	-14.61	PK
2462.54	H	-60.32	-47.00	-13.32	PK
3090.75	V	-58.40	-47.00	-11.40	PK
4666.12	H	-59.85	-47.00	-12.85	PK
4748.35	V	-60.59	-47.00	-13.59	PK
Channel 78 (2480MHz)					
550.44	H	-67.61	-57.00	-10.61	PK
267.25	V	-68.42	-57.00	-11.42	PK
798.45	H	-71.45	-57.00	-14.45	PK
798.02	V	-70.82	-57.00	-13.82	PK
2836.94	H	-61.27	-47.00	-14.27	PK
2065.63	V	-58.58	-47.00	-11.58	PK
4706.70	H	-60.30	-47.00	-13.30	PK
4364.28	V	-58.60	-47.00	-11.60	PK



Rx. Spurious NVNT 2-DH5

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 0 (2402MHz)					
583.51	H	-70.71	-57.00	-13.71	PK
260.38	V	-68.63	-57.00	-11.63	PK
893.78	H	-68.30	-57.00	-11.30	PK
550.24	V	-71.92	-57.00	-14.92	PK
2905.00	H	-59.36	-47.00	-12.36	PK
2186.70	V	-61.50	-47.00	-14.50	PK
4163.54	H	-60.03	-47.00	-13.03	PK
4281.55	V	-60.57	-47.00	-13.57	PK
Channel 78 (2480MHz)					
529.25	H	-70.97	-57.00	-13.97	PK
518.51	V	-67.09	-57.00	-10.09	PK
662.18	H	-71.28	-57.00	-14.28	PK
620.32	V	-69.82	-57.00	-12.82	PK
3100.78	H	-61.56	-47.00	-14.56	PK
2065.48	V	-59.26	-47.00	-12.26	PK
3934.19	H	-57.41	-47.00	-10.41	PK
3323.55	V	-60.90	-47.00	-13.90	PK



Rx. Spurious NVNT 3-DH5

Frequency (MHz)	Polarization (H/V)	Measure Level (dBm)	Limit (dBm)	Margin (dB)	Detector
Channel 0 (2402MHz)					
448.21	H	-70.22	-57.00	-13.22	PK
491.25	V	-70.06	-57.00	-13.06	PK
749.45	H	-69.60	-57.00	-12.60	PK
613.41	V	-71.75	-57.00	-14.75	PK
2066.77	H	-59.53	-47.00	-12.53	PK
2618.73	V	-60.83	-47.00	-13.83	PK
4219.22	H	-60.86	-47.00	-13.86	PK
3714.71	V	-57.57	-47.00	-10.57	PK
Channel 78 (2480MHz)					
556.18	H	-67.47	-57.00	-10.47	PK
358.52	V	-70.80	-57.00	-13.80	PK
614.39	H	-71.50	-57.00	-14.50	PK
838.43	V	-69.35	-57.00	-12.35	PK
2647.33	H	-59.14	-47.00	-12.14	PK
2869.72	V	-58.85	-47.00	-11.85	PK
4223.99	H	-60.92	-47.00	-13.92	PK
3709.10	V	-60.92	-47.00	-13.92	PK



E.10 Receiver blocking

Test Mode	Test Channel (MHz)	Wanted Signal Mean Power from Companion Device (dBm)	Blocking Signal Frequency (MHz)	Blocking Signal Power (dBm)		Type of Blocking Signal	PER(%)		Test Result
				Test Value	Limit		Test Value	Limit	
DH1	2402	-70	2380	-30	≥ -34	CW	4.38	10	Pass
			2504	-26	≥ -34	CW	3.88	10	Pass
			2300	-20	≥ -34	CW	3.34	10	Pass
			2584	-20	≥ -34	CW	5.48	10	Pass
	2480	-70	2380	-21	≥ -34	CW	6.45	10	Pass
			2504	-25	≥ -34	CW	5.37	10	Pass
			2300	-27	≥ -34	CW	5.44	10	Pass
			2584	-23	≥ -34	CW	3.06	10	Pass
2DH1	2402	-68	2380	-28	≥ -34	CW	6.40	10	Pass
			2504	-24	≥ -34	CW	3.58	10	Pass
			2300	-19	≥ -34	CW	5.22	10	Pass
			2584	-26	≥ -34	CW	6.67	10	Pass
	2480	-68	2380	-20	≥ -34	CW	3.06	10	Pass
			2504	-28	≥ -34	CW	3.19	10	Pass
			2300	-18	≥ -34	CW	4.01	10	Pass
			2584	-20	≥ -34	CW	3.80	10	Pass
3DH1	2402	-68	2380	-31	≥ -34	CW	4.94	10	Pass
			2504	-24	≥ -34	CW	6.37	10	Pass
			2300	-18	≥ -34	CW	5.05	10	Pass
			2584	-25	≥ -34	CW	3.77	10	Pass
	2480	-68	2380	-22	≥ -34	CW	6.54	10	Pass
			2504	-23	≥ -34	CW	3.13	10	Pass
			2300	-28	≥ -34	CW	6.11	10	Pass
			2584	-18	≥ -34	CW	5.61	10	Pass