

# Receiver Spurious Emissions

## Test Result

Channel Bandwidth=Highest (#BWH MHz)

Condition	Modulation	Channel Bandwidth	Channel	RB allocation		Verdict
				RB Size	RB Offset	
Normal	QPSK	20 MHz	Low range	0	0	Pass
			Mid range	0	0	Pass
			High range	0	0	Pass

## Receiver blocking characteristics

### In-Band Blocking

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		CASE1
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	20,25,50,75,100	≥ 95 %
Verdict	PASS				

### Out-of Band Blocking

Test Environment			NC		
Test Frequencies			Low range for $F_{\text{Interferer}}$ below $F_{\text{DL\_low}}$ High range for $F_{\text{Interferer}}$ above $F_{\text{DL\_high}}$		
Test Channel Bandwidths			Lowest, 5MHz, Highest		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		RANGE1/RANGE2/RANGE3
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Throughput Limit
		FDD		FDD	
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20 MHz	QPSK	Full	QPSK	20,25,50,75,100	≥ 95 %
Verdict	PASS				

## Receiver Adjacent Channel Selectivity (ACS)

Test Environment			NC		
Test Frequencies			Mid range		
Test Channel Bandwidths			Lowest, 5MHz, Highest		
Test Parameters for Channel Bandwidths					
	Downlink Configuration		Uplink Configuration		
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 1
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	20,25,50,75,100	≥ 95 %
Verdict	PASS				
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	CASE 2
		FDD		FDD	Throughput Limit
5MHz	QPSK	Full	QPSK	15,20,25	≥ 95 %
20MHz	QPSK	Full	QPSK	20,25,50,75,100	≥ 95 %
Verdict	PASS				

# Receiver Intermodulation Characteristics

Test Band						
Test Environment			NC			
Test Frequencies			Mid range			
Test Channel Bandwidths			Lowest, 5MHz, Highest			
Test Parameters for Channel Bandwidths						
	Downlink Configuration		Uplink Configuration			
Ch BW	Mod' n	RB allocation	Mod' n	RB allocation	Meas. Throughput	Throughput Limit
		FDD		FDD		
5MHz	QPSK	Full	QPSK	15,20,25	100%	≥ 95 %
20 MHz	QPSK	Full	QPSK	20,25,50,75,100	100%	≥ 95 %
Verdict	PASS					

Control and monitoring functions (UE)

Test conditions		LTE Band 41 – Control and monitoring functions						
T	V	Measured range	Test data (dBm)				Limit (dBm)	Result
			1st	2nd	3rd	4th		
Tnom(25°C)	Vnom(AC 230V)	LTE Band41	-36.98	-36.38	-35.01	-36.29	-30	Pass