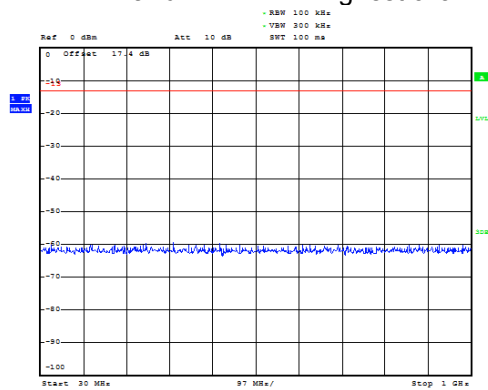
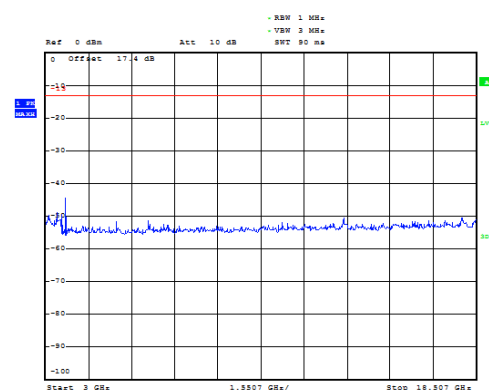
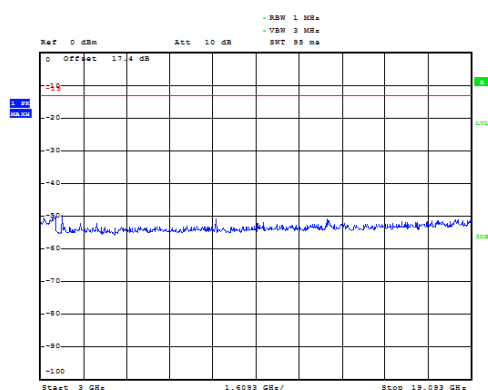
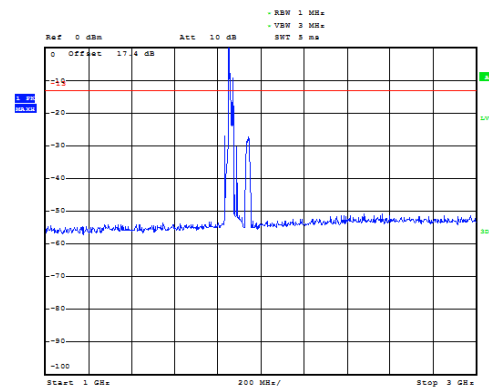
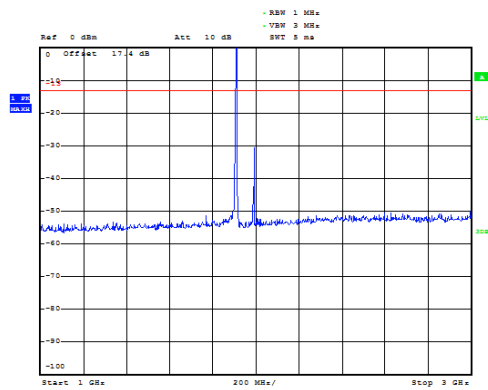
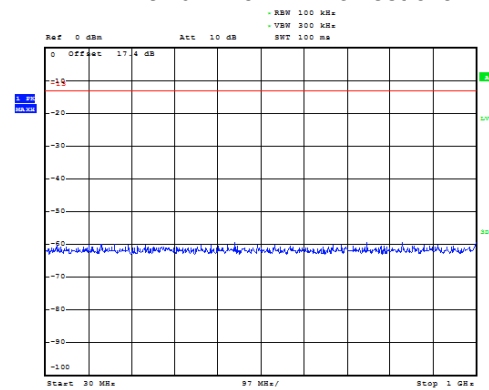




LTE Band 2 1.4MHz Highest channel:

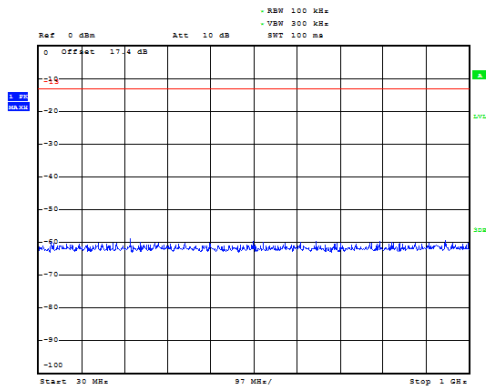


LTE Band 2 20MHz Lowest channel

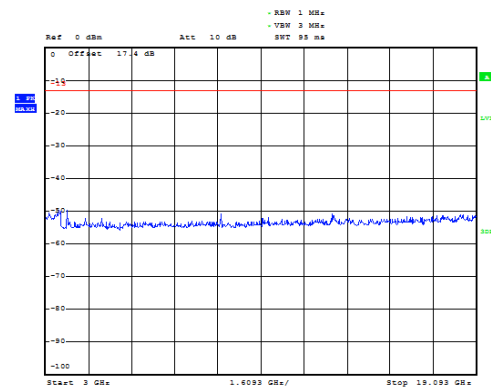
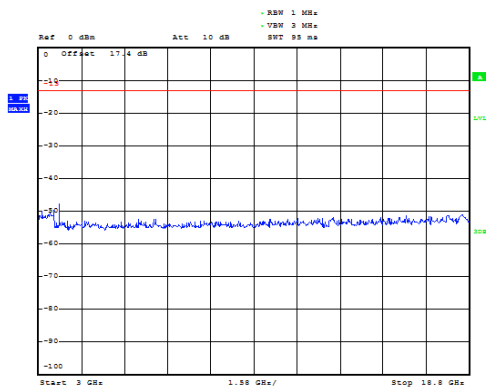
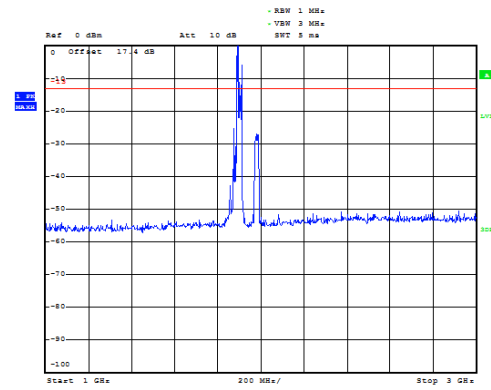
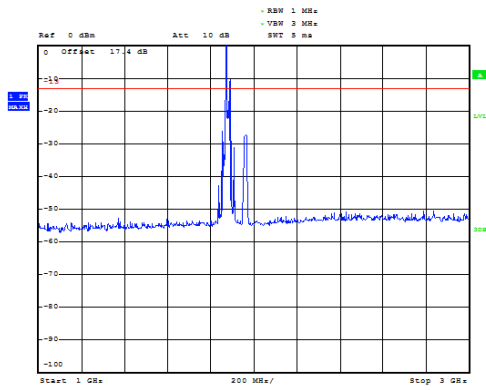
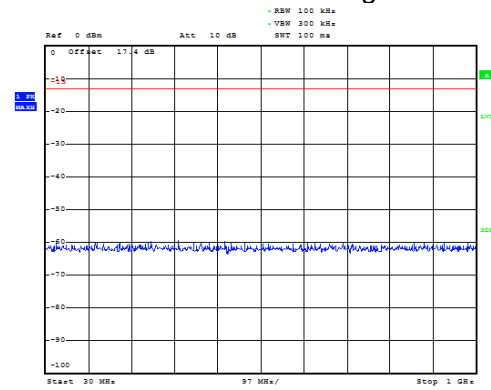




LTE Band 2 20MHz Middle channel:

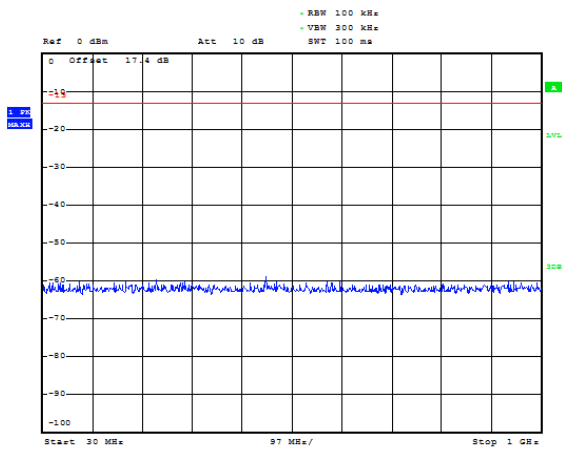


LTE Band 2 20MHz High channel

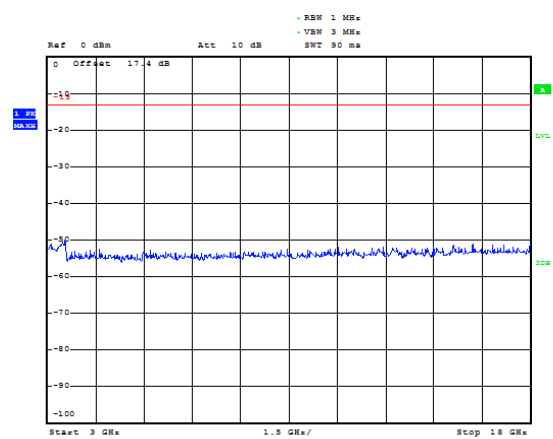
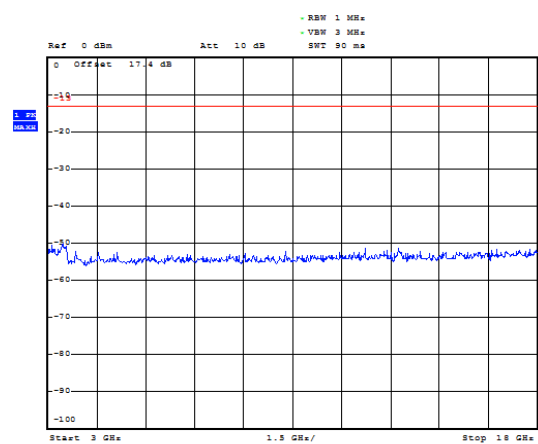
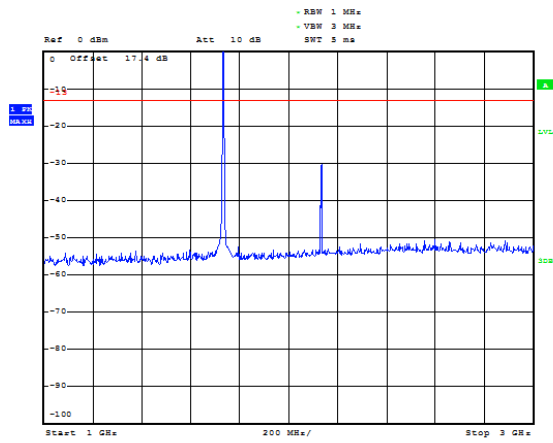
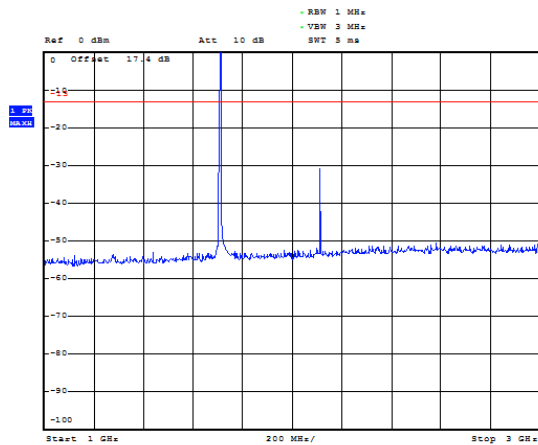
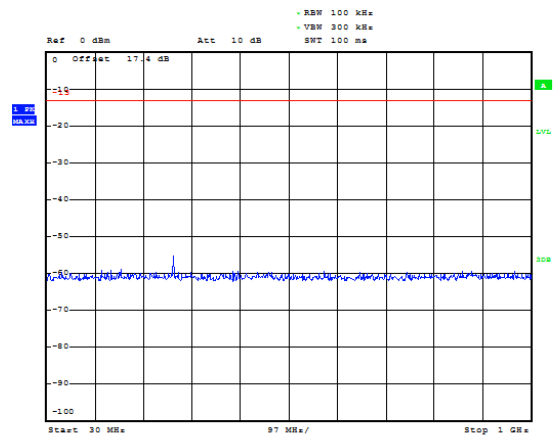




LTE Band 4 1.4MHz Lowest channel

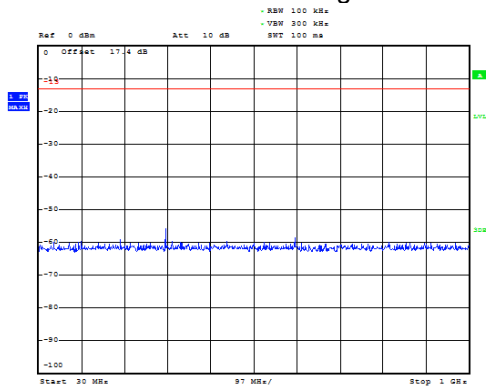


LTE Band 4 1.4MHz Middle channel

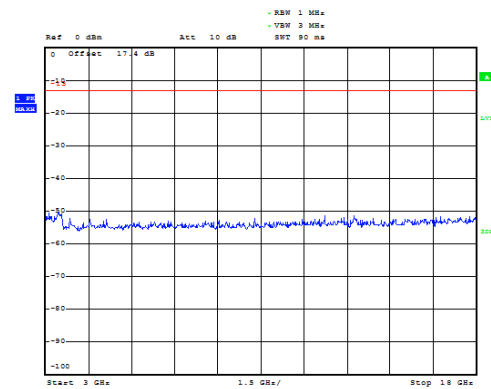
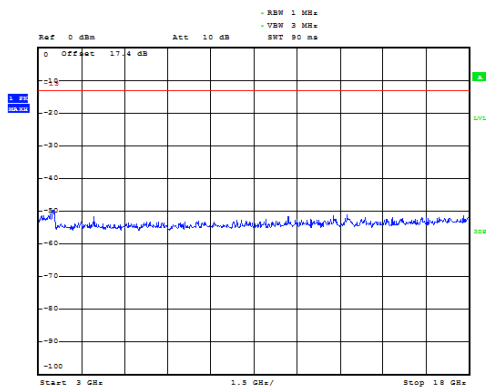
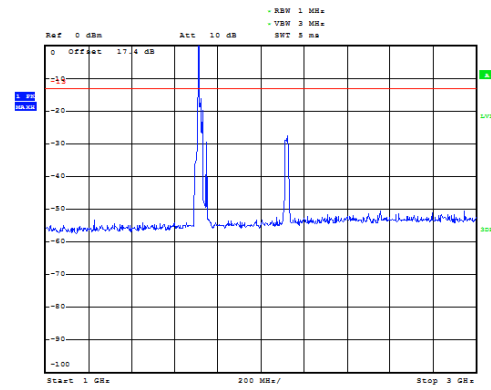
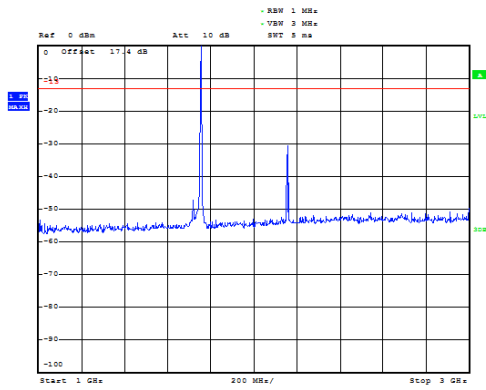
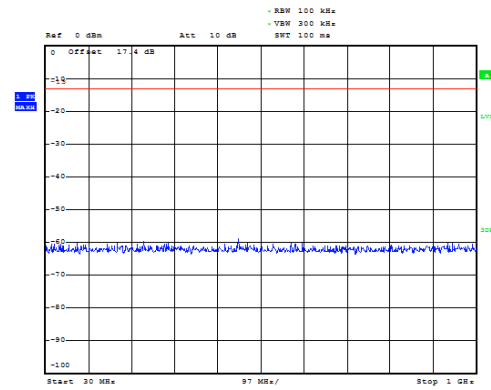




LTE Band 4 1.4MHz Highest channel:

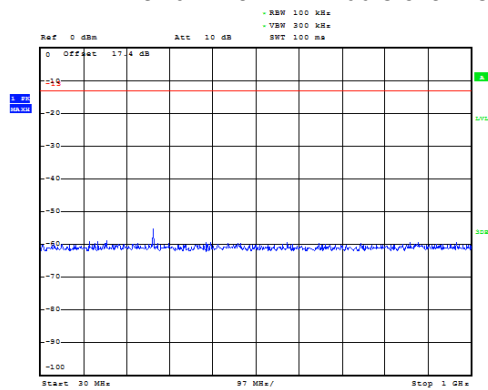


LTE Band 4 20MHz Lowest channel

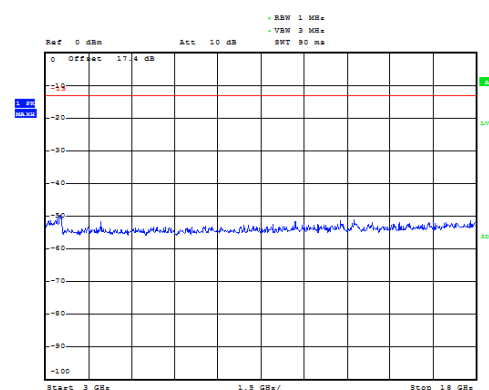
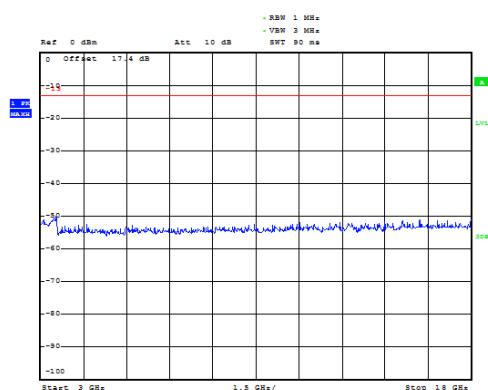
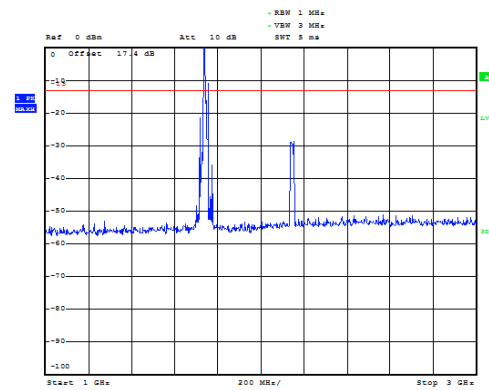
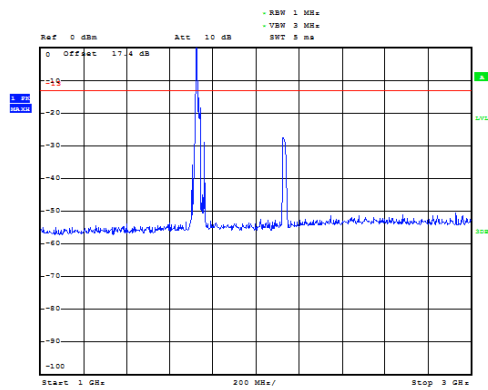
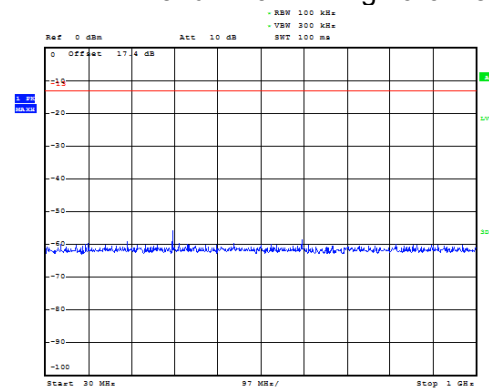




LTE Band 4 20MHz Middle channel:

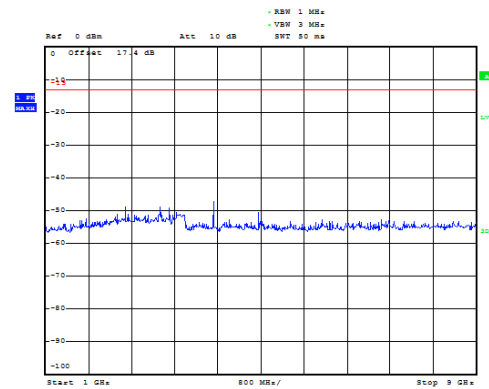
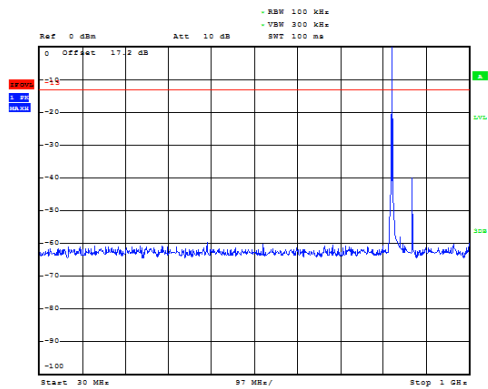


LTE Band 4 20MHz High channel

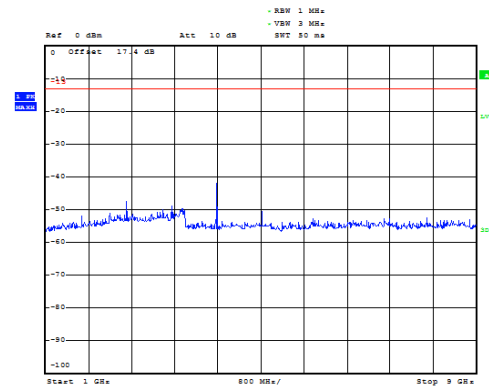
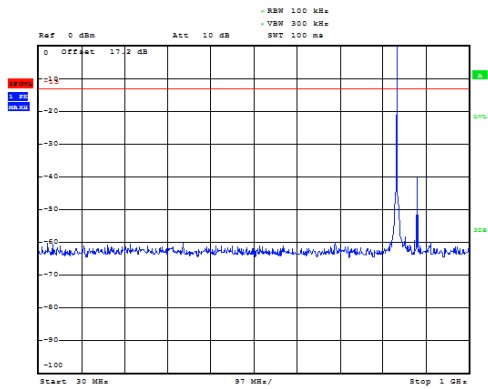




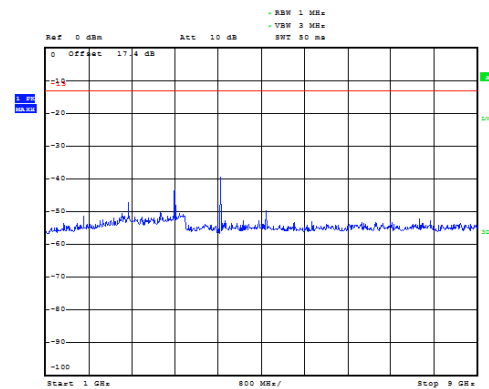
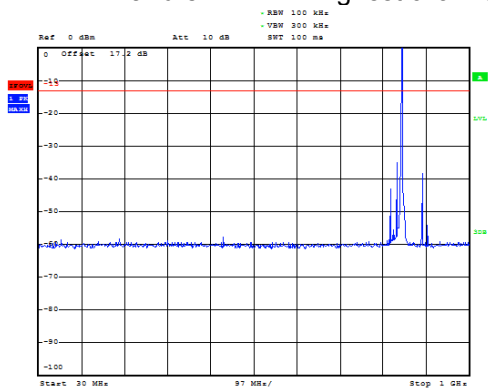
LTE Band 5 1.4MHz Lowest channel



LTE Band 5 1.4MHz Middle channel

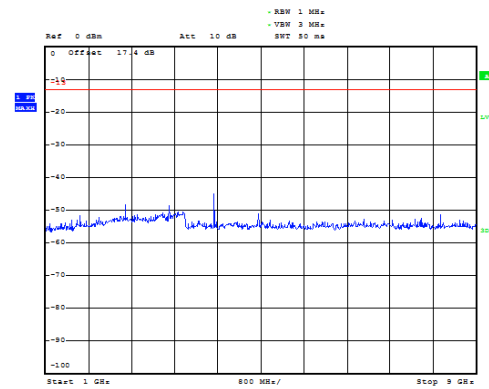
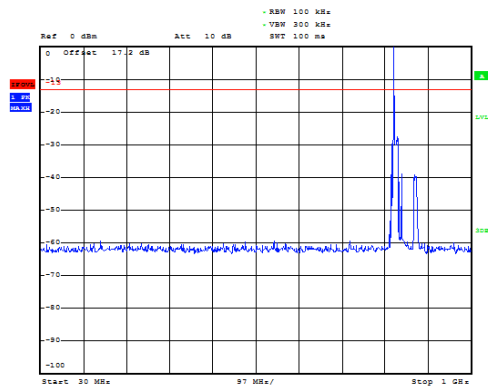


LTE Band 5 1.4MHz Highest channel:

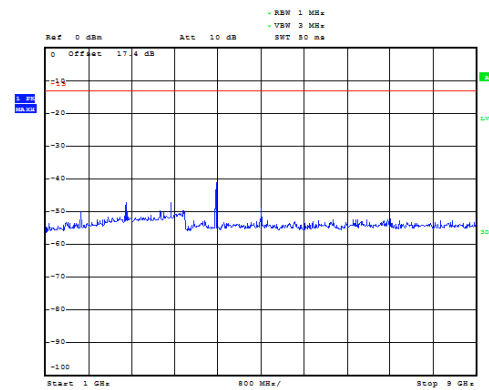
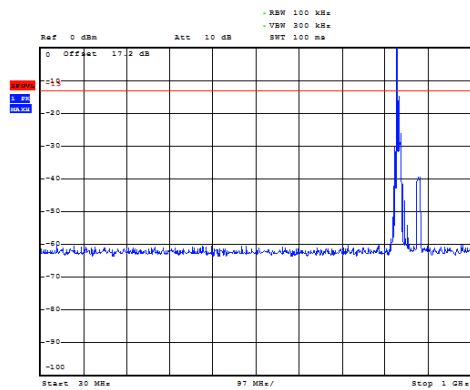




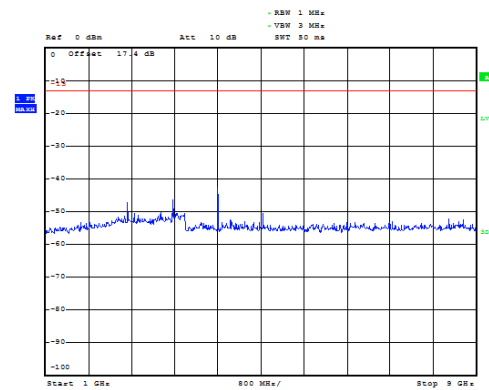
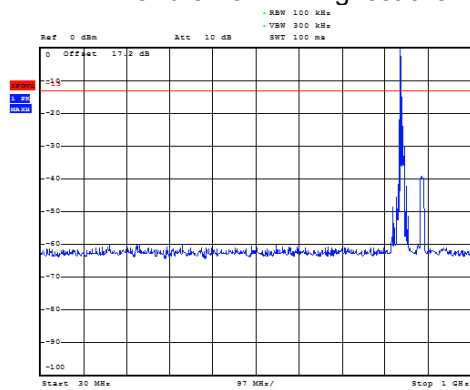
LTE Band 5 10MHz Lowest channel



LTE Band 5 10MHz Middle channel

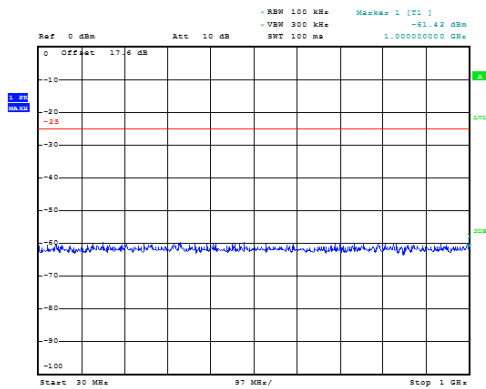


LTE Band 5 10MHz Highest channel:

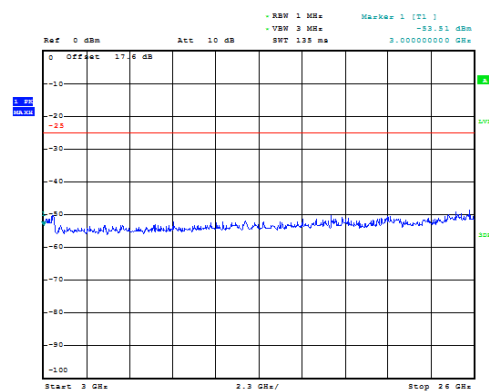
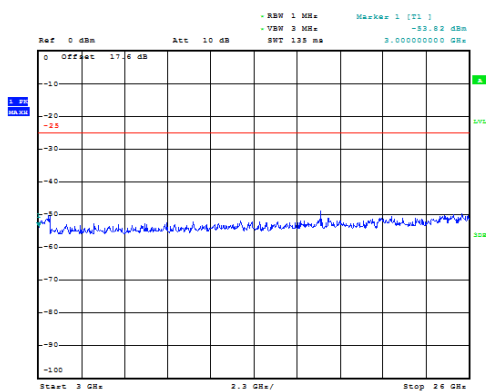
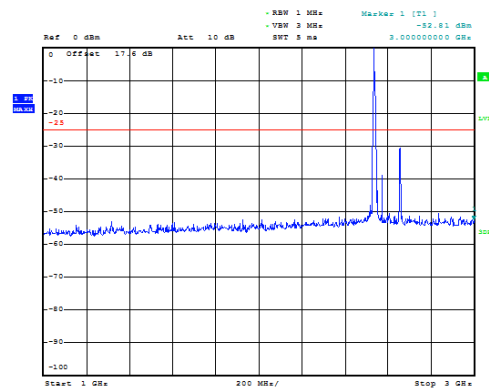
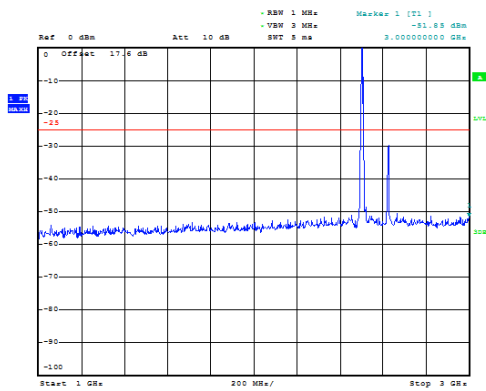
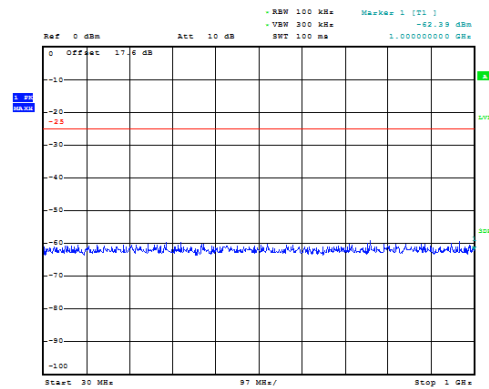




LTE Band 7 5MHz Lowest channel

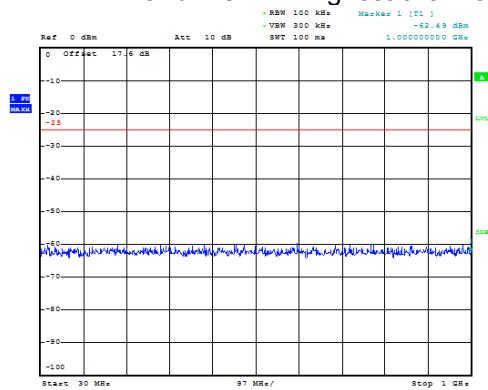


LTE Band 7 5MHz Middle channel

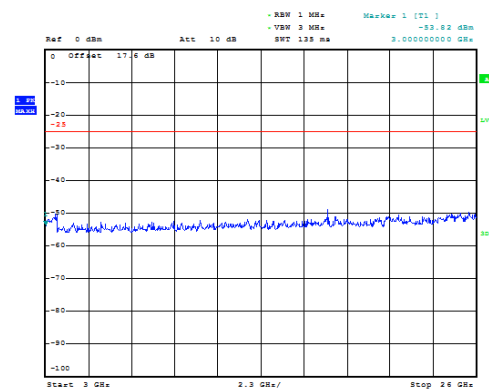
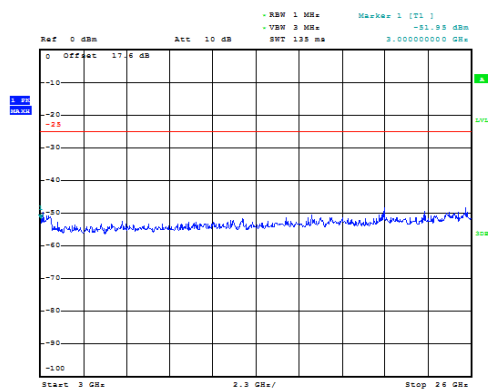
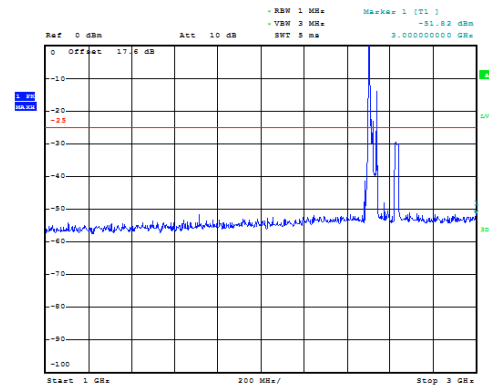
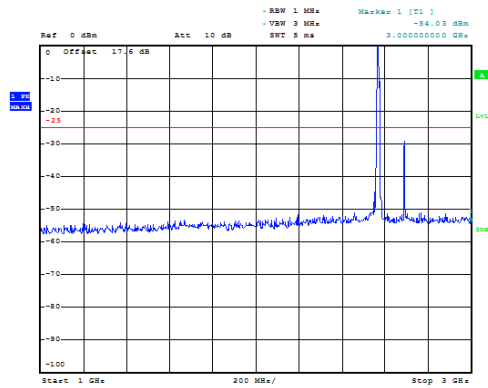
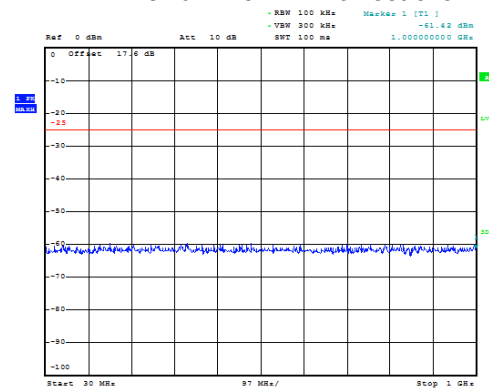




LTE Band 7 5MHz Highest channel:

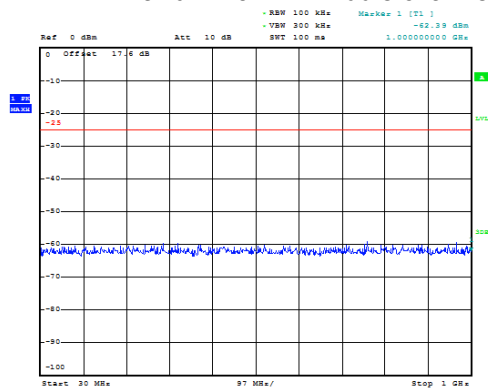


LTE Band 7 20MHz Lowest channel

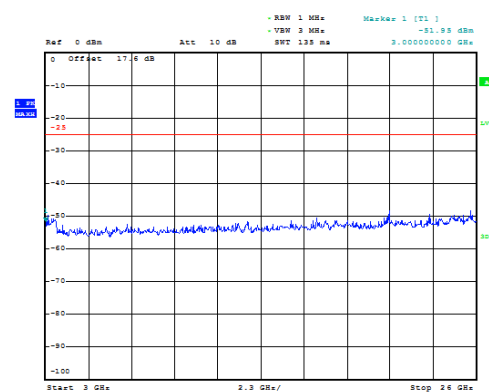
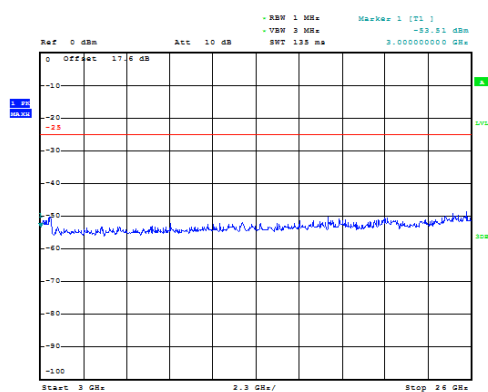
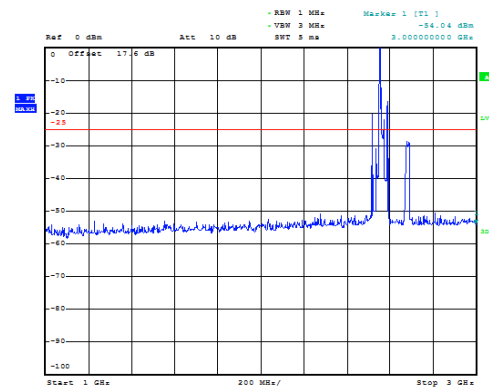
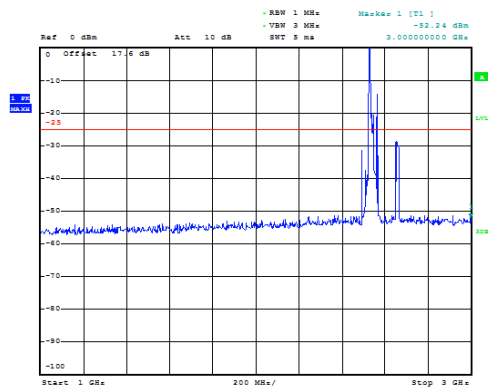
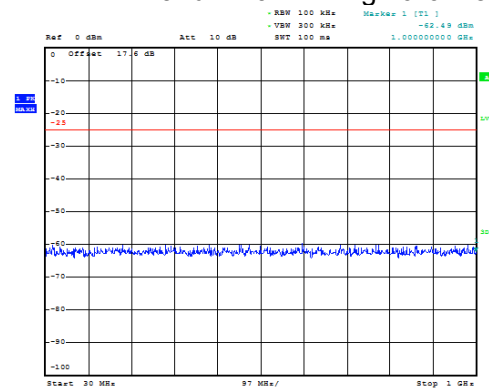




LTE Band 7 20MHz Middle channel:



LTE Band 7 20MHz High channel



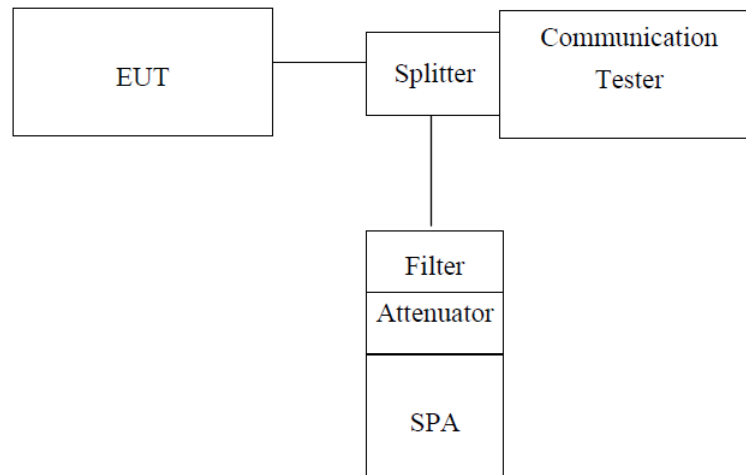


5.6. Conducted Out of Band Emissions

5.6.1. Limit

According to FCC section 22.917(b) and FCC section 24.238(b), 27.53(g)(h) in the 1MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth (26dB emission bandwidth) of the fundamental emission of the transmitter may be employed.

5.6.2. Test Setup



Note: Measurement setup for testing on Antenna connector

5.6.3. Measurement Procedure

The EUT, which is powered by the adapter, is coupled to the Spectrum Analyzer and the System Simulator with Attenuators through the Power Splitter; the RF load attached to the EUT antenna terminal is 50Ohm; the path loss as the factor is calibrated to correct the reading. The EUT is commanded by the System Simulator to operate at the maximum output power i.e. Power Control Level (PCL) = 5 and Power Class = 4. A call is established between the EUT and the System Simulator.

RBW is set to 3kHz,VBW is set to 10kHz for GSM 850, GSM 1900

RBW is set to 51kHz,VBW is set to 160kHz for WCDMA Band V, WCDMA Band II

RBW is set to 15 kHz, VBW is set to 51 kHz for LTE Band 2, LTE Band 4,LTE Band 5 (1.4MHz),

RBW is set to 30 kHz, VBW is set to 100 kHz for LTE Band 2, LTE Band 4,LTE Band 5 (3MHz),

RBW is set to 51 kHz, VBW is set to 160 kHz for LTE Band 2, LTE Band 4,LTE Band 5 (5MHz),

RBW is set to 100 kHz, VBW is set to 300 kHz for LTE Band 2, LTE Band 4,LTE Band 5 (10MHz),

RBW is set to 150 kHz, VBW is set to 510 kHz for LTE Band 2, LTE Band 4 (15MHz).

RBW is set to 200 kHz, VBW is set to 620 kHz for LTE Band 2, LTE Band 4 (20MHz)

RBW is set to 50 kHz, VBW is set to 200 kHz for LTE Band 7 (5MHz).

RBW is set to 100 kHz, VBW is set to 300kHz for LTE Band 7 (10MHz).

RBW is set to 200 kHz, VBW is set to 1MHz for LTE Band 7 (15MHz/20MHz)

5.6.4. Test Result

The measurement frequency range is from 30MHz to the 10th harmonic of the fundamental frequency. The lowest, middle and highest channels are tested to verify the out of band emissions.

Test plot as follows:



GSM 850MHz Lowest channel



GSM 850MHz Highest channel:



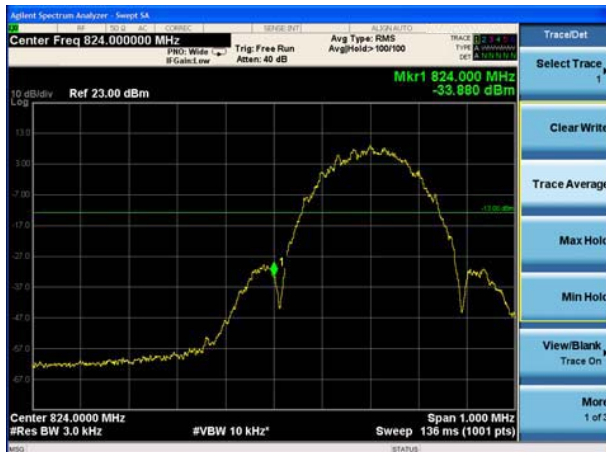
GMSK 850MHz Lowest channel



GMSK 850MHz Highest channel



8-PSK 850MHz Lowest channel

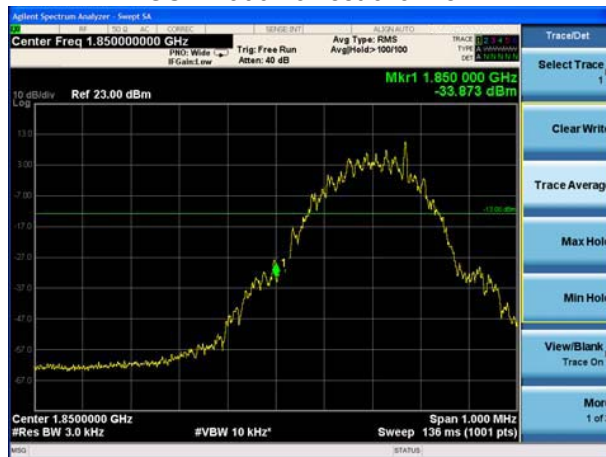


8-PSK 850MHz Highest channel:





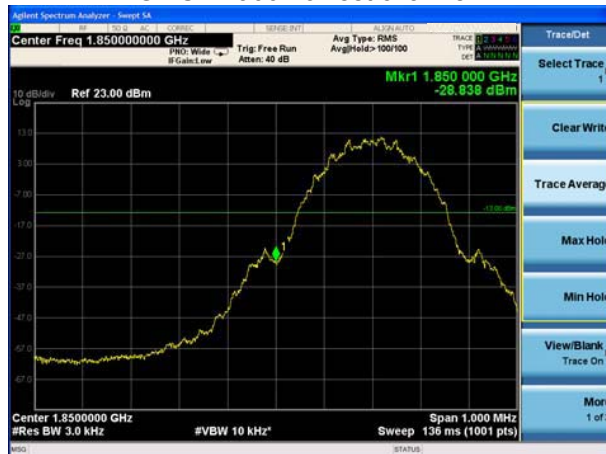
GSM 1900 Lowest channel



GSM 1900 Highest channel:



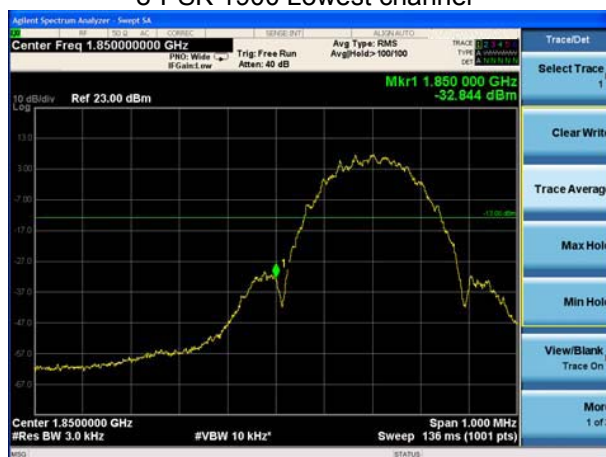
GMSK 1900 Lowest channel



GMSK 1900 Highest channel



8-PSK 1900 Lowest channel



8-PSK 1900 Highest channel:





WCDMA Band II RMC Lowest channel



WCDMA Band II RMC Highest channel:



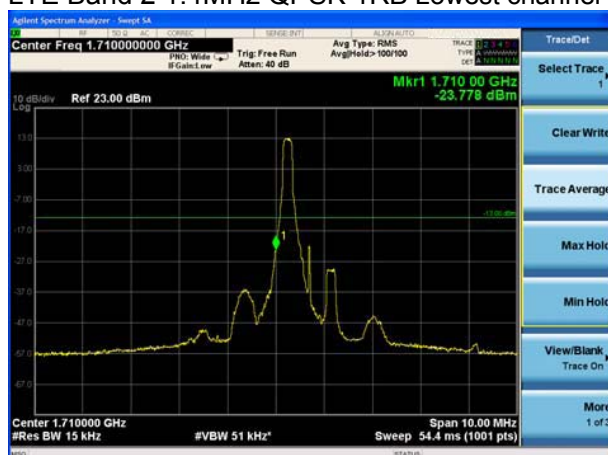
WCDMA Band V Lowest channel



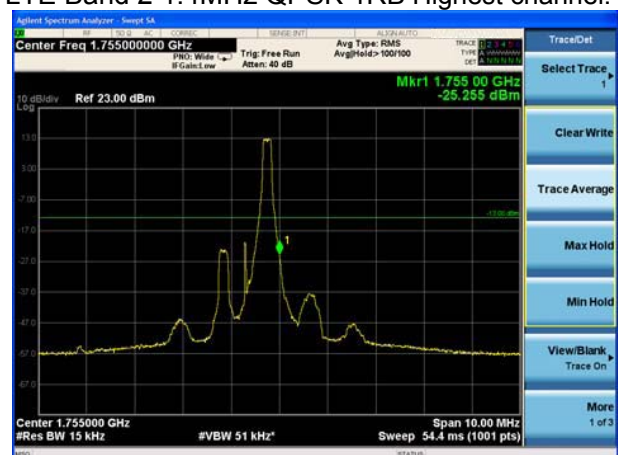
WCDMA Band V Highest channel



LTE Band 2 1.4MHz QPSK 1RB Lowest channel

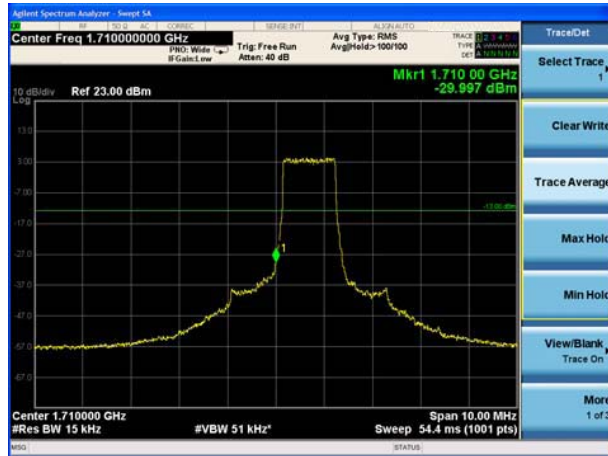


LTE Band 2 1.4MHz QPSK 1RB Highest channel:





LTE Band 2 1.4MHz QPSK 100%RB Lowest channel



LTE Band 2 1.4MHz QPSK 100%RB Highest channel:



LTE Band 2 3MHz QPSK 1RB Lowest channel



LTE Band 2 3MHz QPSK 1RB Highest channel



LTE Band 2 3MHz QPSK 100%RB Lowest channel



LTE Band 2 3MHz QPSK 100%RB Highest channel:





LTE Band 2 5MHz QPSK 1RB Lowest channel



LTE Band 2 5MHz QPSK 1RB Highest channel:



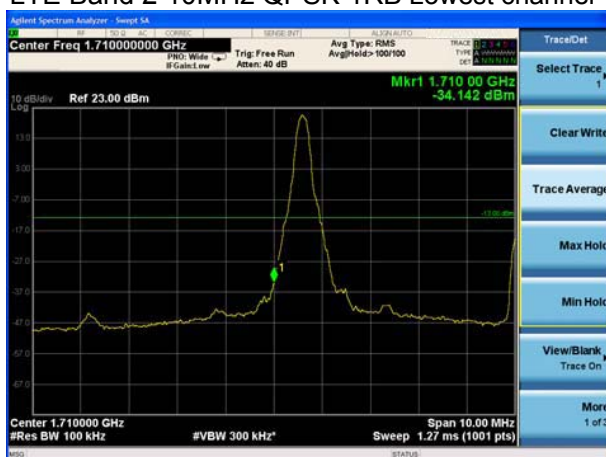
LTE Band 2 5MHz QPSK 100%RB Lowest channel



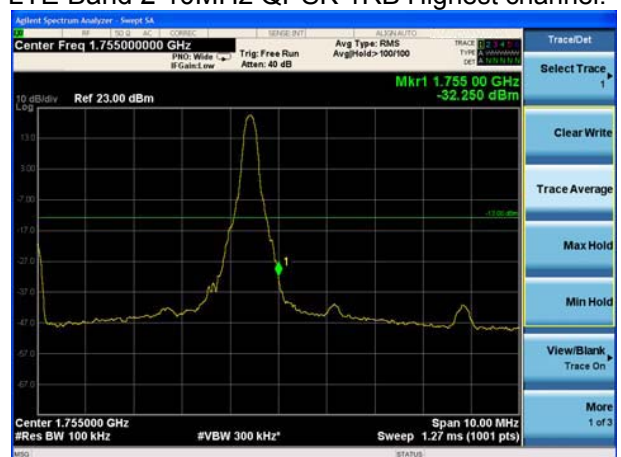
LTE Band 2 5MHz QPSK 100%RB Highest channel



LTE Band 2 10MHz QPSK 1RB Lowest channel

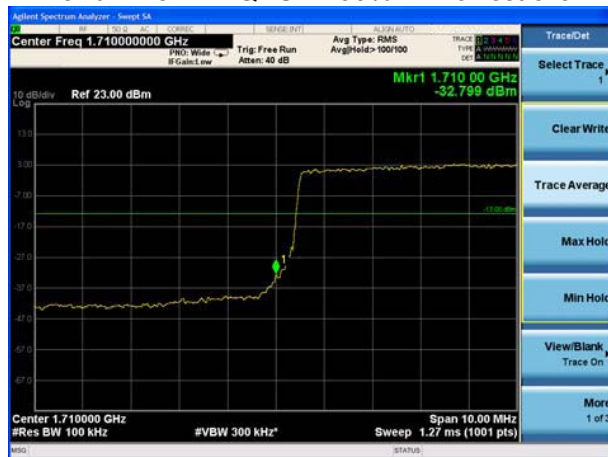


LTE Band 2 10MHz QPSK 1RB Highest channel:

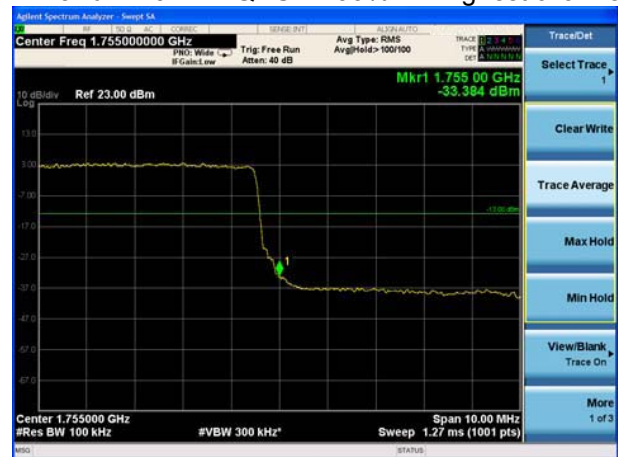




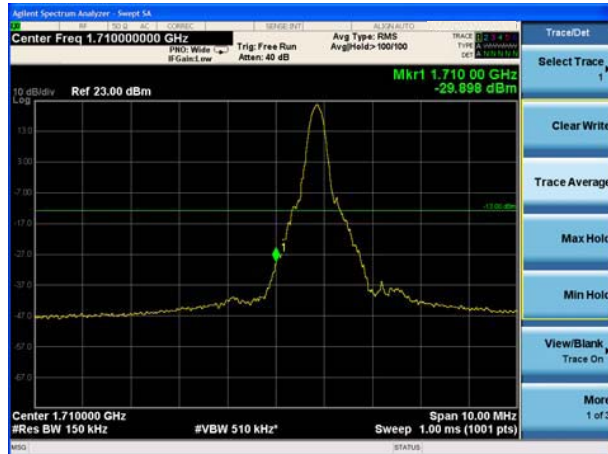
LTE Band 2 10MHz QPSK 100%RB Lowest channel



LTE Band 2 10MHz QPSK 100%RB Highest channel



LTE Band 2 15MHz QPSK 1RB Lowest channel



LTE Band 2 15MHz QPSK 1RB Highest channel



LTE Band 2 15MHz QPSK 100%RB Lowest channel

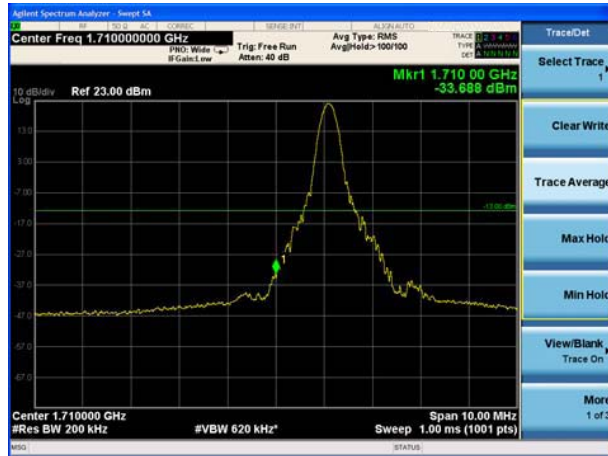


LTE Band 2 15MHz QPSK 100%RB Highest channel





LTE Band 2 20MHz QPSK 1RB Lowest channel



LTE Band 2 20MHz QPSK 1RB Highest channel:



LTE Band 2 20MHz QPSK 100%RB Lowest channel



LTE Band 2 20MHz QPSK 100%RB Highest channel



LTE Band 2 1.4MHz 16QAM 1RB Lowest channel

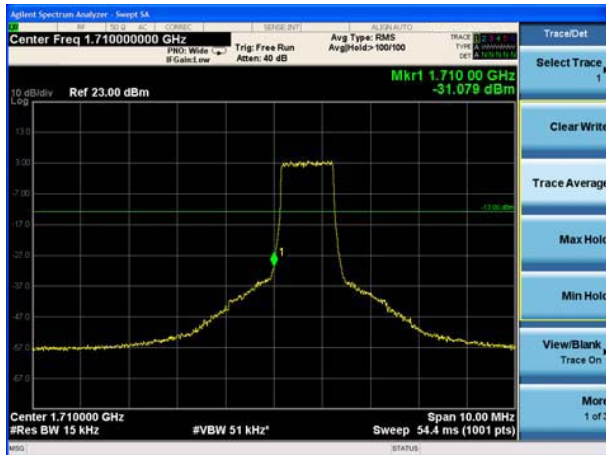


LTE Band 2 1.4MHz 16QAM 1RB Highest channel:

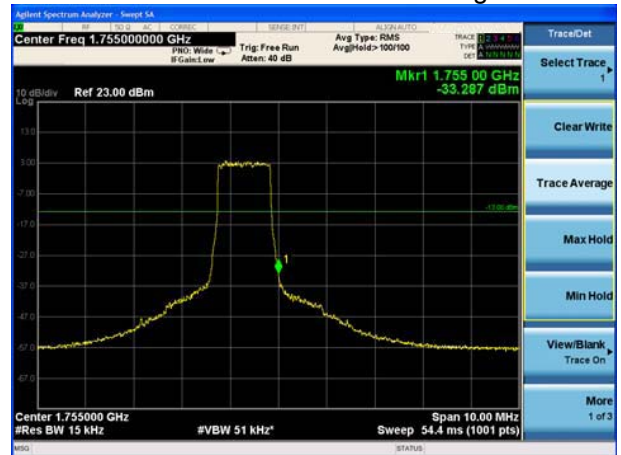




LTE Band 2 1.4MHz 16QAM 100%RB Lowest channel



LTE Band 2 1.4MHz 16QAM 100%RB Highest channel:



LTE Band 2 3MHz 16QAM 1RB Lowest channel



LTE Band 2 3MHz 16QAM 1RB Highest channel



LTE Band 2 3MHz 16QAM 100%RB Lowest channel

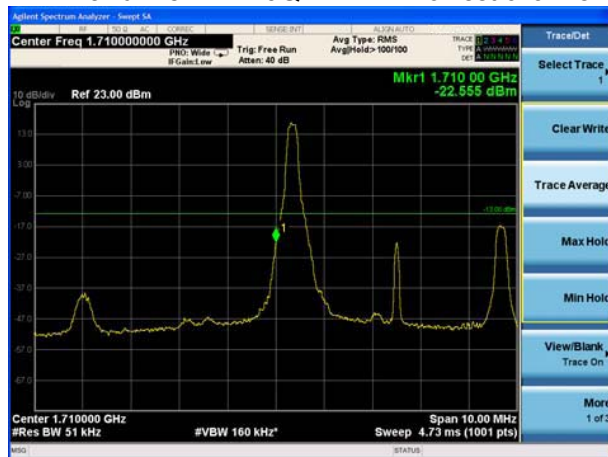


LTE Band 2 3MHz 16QAM 100%RB Highest channel:





LTE Band 2 5MHz 16QAM 1RB Lowest channel



LTE Band 2 5MHz 16QAM 1RB Highest channel:



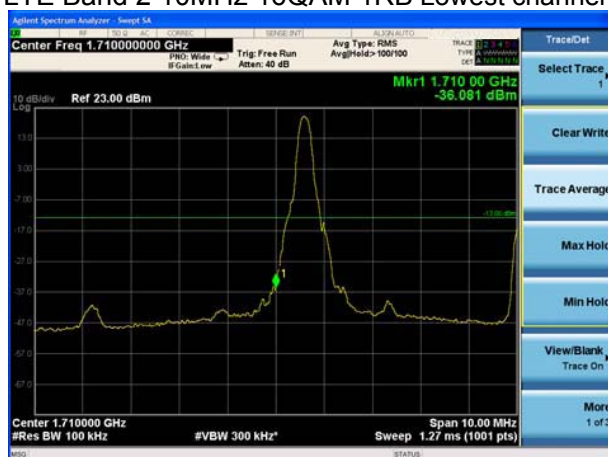
LTE Band 2 5MHz 16QAM 100%RB Lowest channel



LTE Band 2 5MHz 16QAM 100%RB Highest channel



LTE Band 2 10MHz 16QAM 1RB Lowest channel

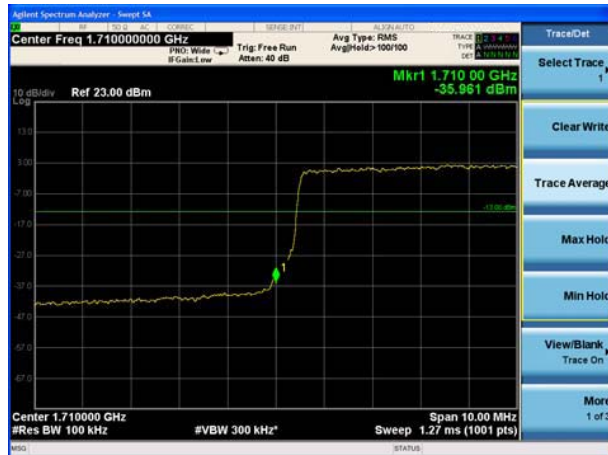


LTE Band 2 10MHz 16QAM 1RB Highest channel:





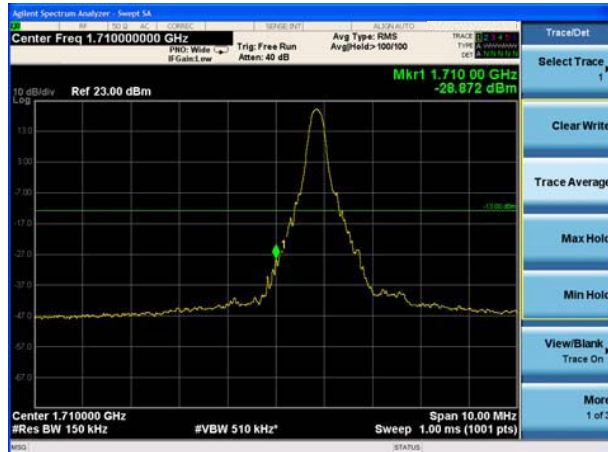
LTE Band 2 10MHz 16QAM 100%RB Lowest channel



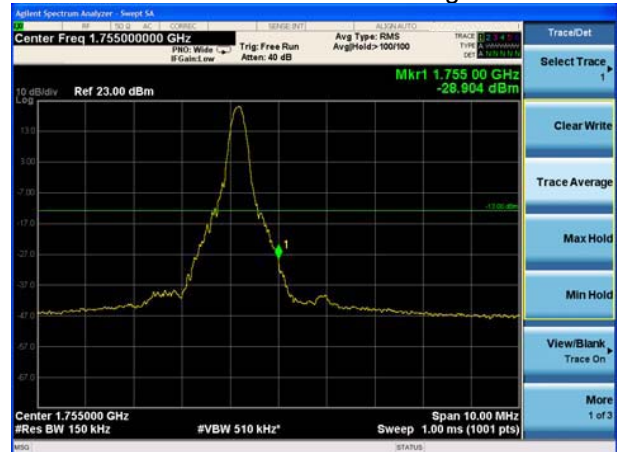
LTE Band 2 10MHz 16QAM 100%RB Highest channel:



LTE Band 2 15MHz 16QAM 1RB Lowest channel



LTE Band 2 15MHz 16QAM 1RB Highest channel



LTE Band 2 15MHz 16QAM 100%RB Lowest channel

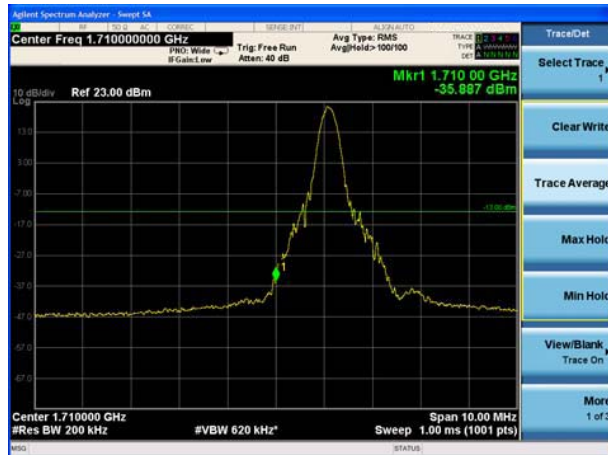


LTE Band 2 15MHz 16QAM 100%RB Highest channel:

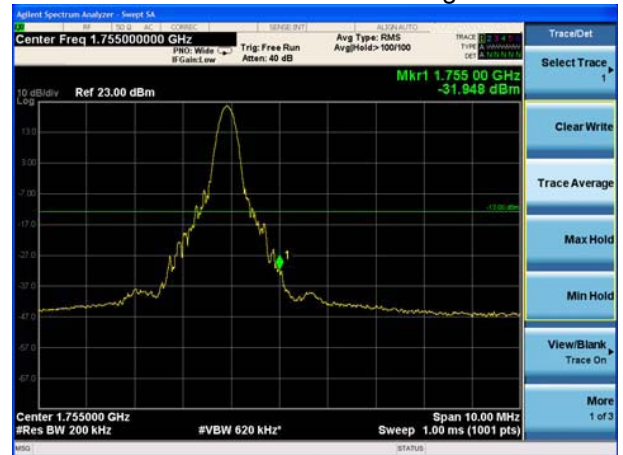




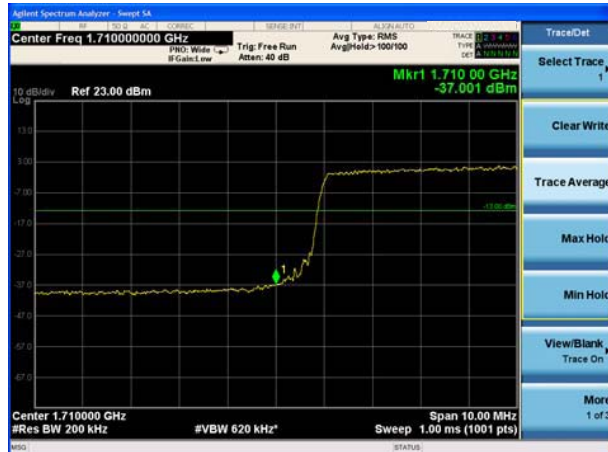
LTE Band 2 20MHz 16QAM 1RB Lowest channel



LTE Band 2 20MHz 16QAM 1RB Highest channel:



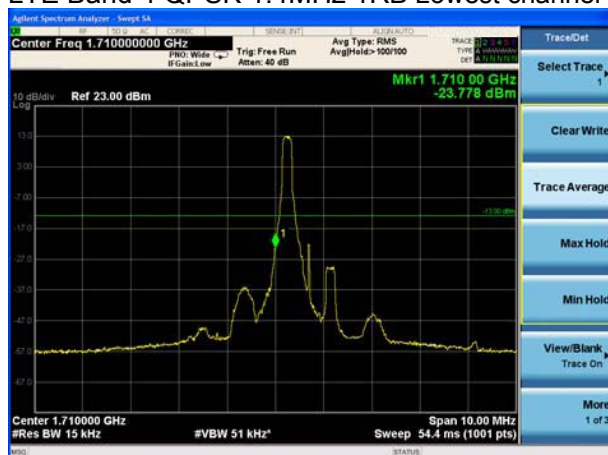
LTE Band 2 20MHz 16QAM 100%RB Lowest channel



LTE Band 2 20MHz 16QAM 100%RB Highest channel



LTE Band 4 QPSK 1.4MHz 1RB Lowest channel

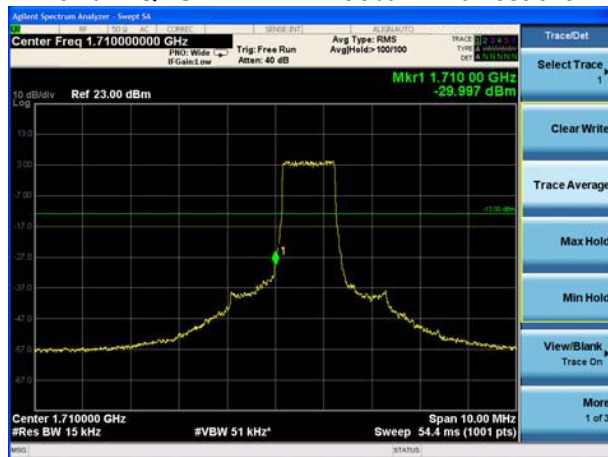


LTE Band 4 QPSK 1.4MHz 1RB Highest channel:

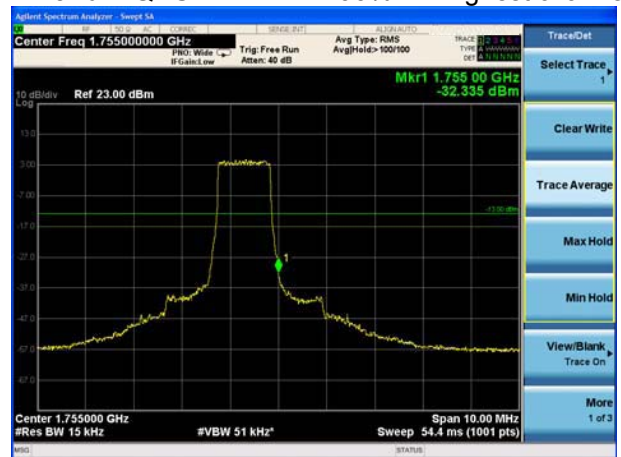




LTE Band 4 QPSK 1.4MHz 100%RB Lowest channel



LTE Band 4 QPSK 1.4MHz 100%RB Highest channel:



LTE Band 4 QPSK 3MHz 1RB Lowest channel



LTE Band 4 QPSK 3MHz 1RB Highest channel



LTE Band 4 QPSK 3MHz 100%RB Lowest channel



LTE Band 4 QPSK 3MHz 100%RB Highest channel:





LTE Band 4 QPSK 5MHz 1RB Lowest channel



LTE Band 4 QPSK 5MHz 1RB Highest channel:



LTE Band 4 QPSK 5MHz 100%RB Lowest channel



LTE Band 4 QPSK 5MHz 100%RB Highest channel



LTE Band 4 QPSK 10MHz 1RB Lowest channel



LTE Band 4 QPSK 10MHz 1RB Highest channel:





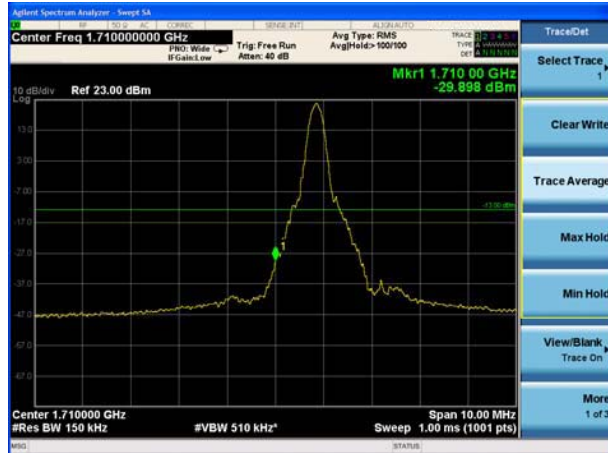
LTE Band 4 QPSK 10MHz 100%RB Lowest channel



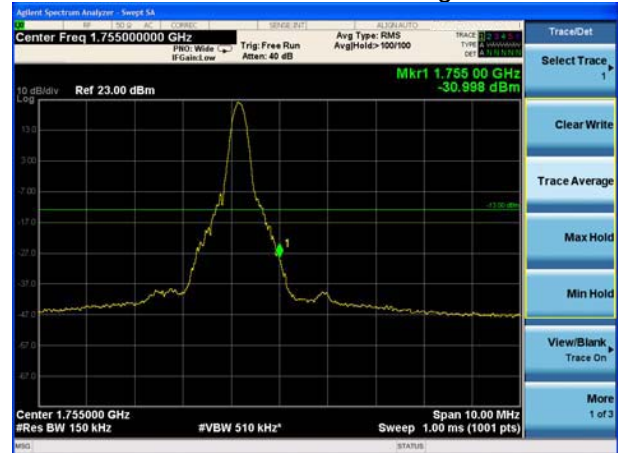
LTE Band 4 QPSK 10MHz 100%RB Highest channel



LTE Band 4 QPSK 15MHz 1RB Lowest channel



LTE Band 4 QPSK 15MHz 1RB Highest channel



LTE Band 4 QPSK 15MHz 100%RB Lowest channel

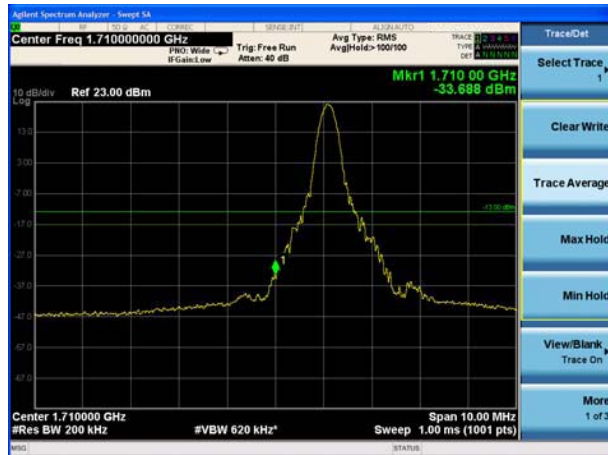


LTE Band 4 QPSK 15MHz 100%RB Highest channel





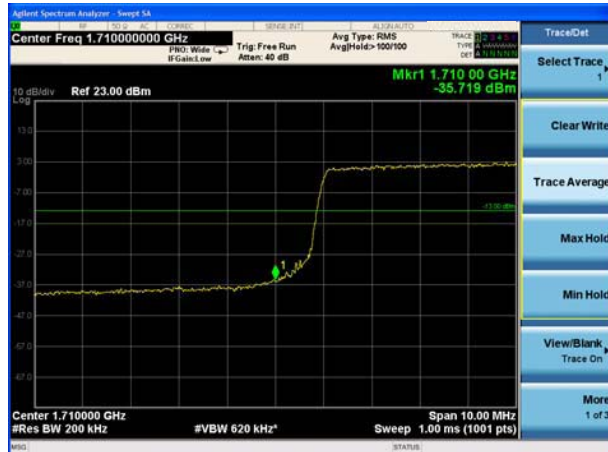
LTE Band 4 QPSK 20MHz 1RB Lowest channel



LTE Band 4 QPSK 20MHz 1RB Highest channel:



LTE Band 4 QPSK 20MHz 100%RB Lowest channel



LTE Band 4 QPSK 20MHz 100%RB Highest channel



LTE Band 4 16QAM 1.4MHz 1RB Lowest channel

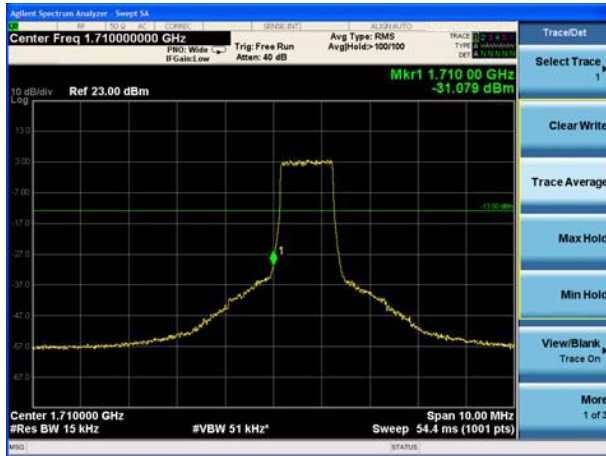


LTE Band 4 16QAM 1.4MHz 1RB Highest channel:

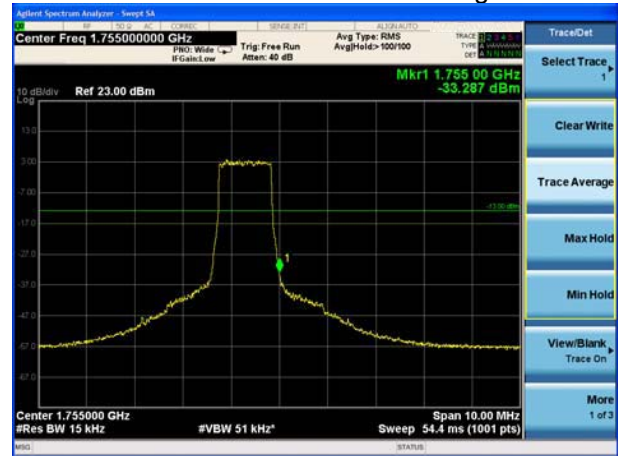




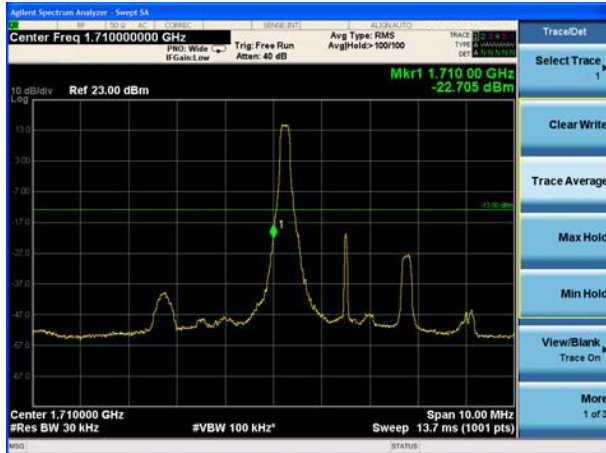
LTE Band 4 16QAM 1.4MHz 100%RB Lowest channel



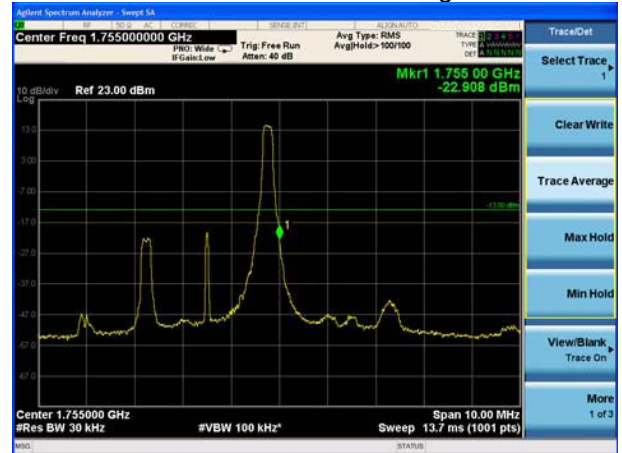
LTE Band 4 16QAM 1.4MHz 100%RB Highest channel:



LTE Band 4 16QAM 3MHz 1RB Lowest channel



LTE Band 4 16QAM 3MHz 1RB Highest channel



LTE Band 4 16QAM 3MHz 100%RB Lowest channel

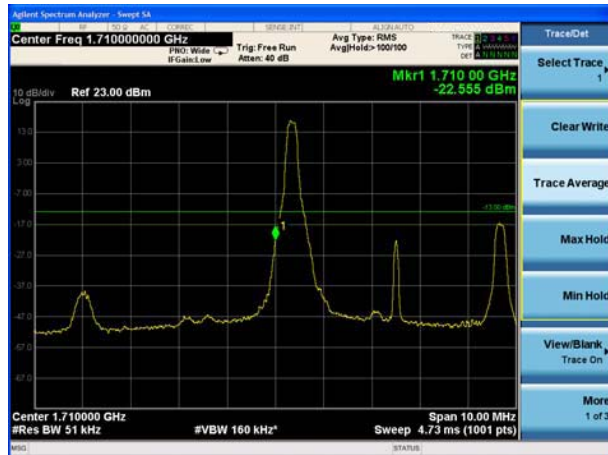


LTE Band 4 16QAM 3MHz 100%RB Highest channel:





LTE Band 4 16QAM 5MHz 1RB Lowest channel



LTE Band 4 16QAM 5MHz 1RB Highest channel:



LTE Band 4 16QAM 5MHz 100%RB Lowest channel



LTE Band 4 16QAM 5MHz 100%RB Highest channel



LTE Band 4 16QAM 10MHz 1RB Lowest channel



LTE Band 4 16QAM 10MHz 1RB Highest channel:





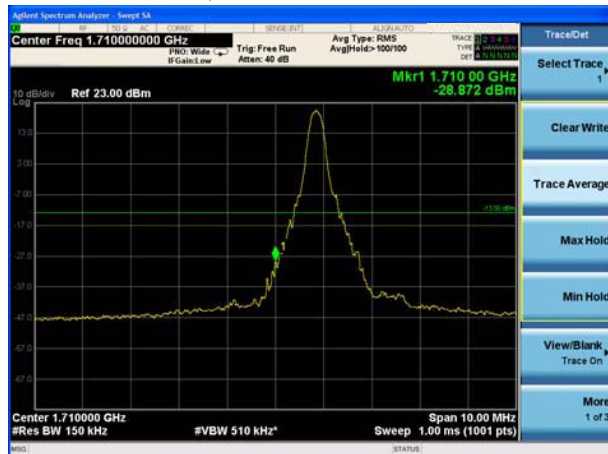
LTE Band 4 16QAM 10MHz 100%RB Lowest channel



LTE Band 4 16QAM 10MHz 100%RB Highest channel:



LTE Band 4 16QAM 15MHz 1RB Lowest channel



LTE Band 4 16QAM 15MHz 1RB Highest channel



LTE Band 4 16QAM 15MHz 100%RB Lowest channel



LTE Band 4 16QAM 15MHz 100%RB Highest channel:





LTE Band 4 16QAM 20MHz 1RB Lowest channel



LTE Band 4 16QAM 20MHz 1RB Highest channel:



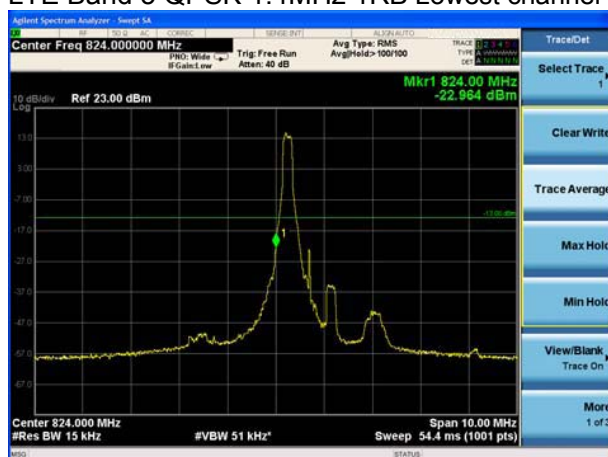
LTE Band 4 16QAM 20MHz 100%RB Lowest channel



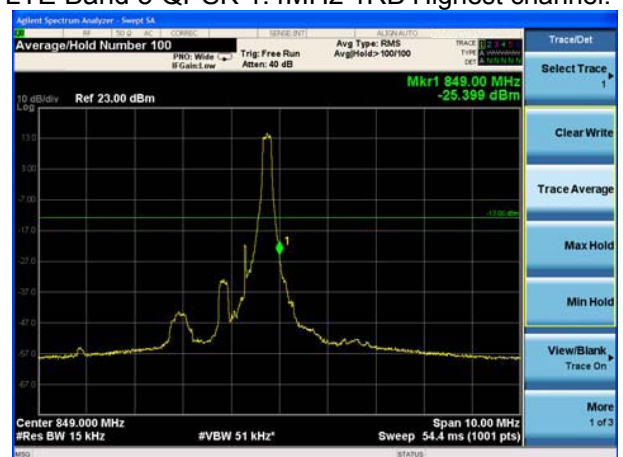
LTE Band 4 16QAM 20MHz 100%RB Highest channel



LTE Band 5 QPSK 1.4MHz 1RB Lowest channel



LTE Band 5 QPSK 1.4MHz 1RB Highest channel:





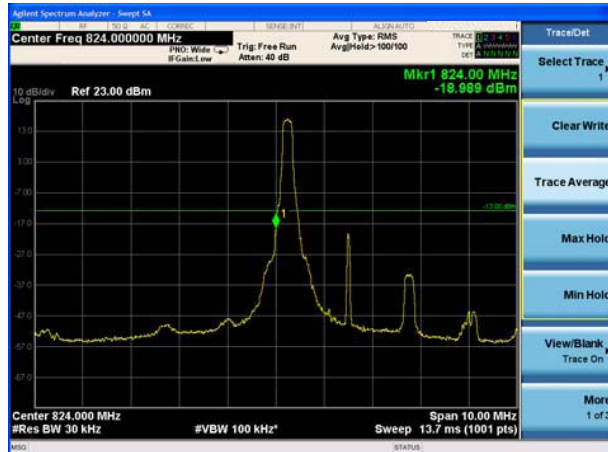
LTE Band 5 QPSK 1.4MHz 100%RB Lowest channel



LTE Band 5 QPSK 1.4MHz 100%RB Highest channel:



LTE Band 5 QPSK 3MHz 1RB Lowest channel



LTE Band 5 QPSK 3MHz 1RB Highest channel



LTE Band 5 QPSK 3MHz 100%RB Lowest channel

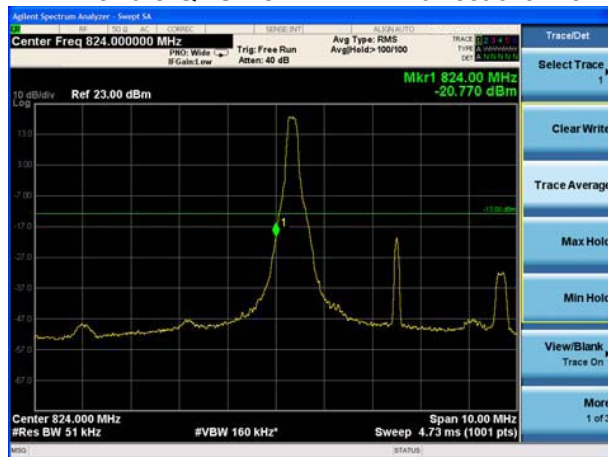


LTE Band 5 QPSK 3MHz 100%RB Highest channel:

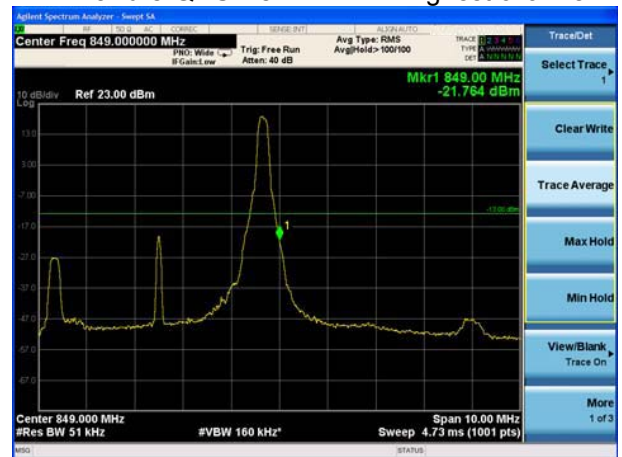




LTE Band 5 QPSK 5MHz 1RB Lowest channel



LTE Band 5 QPSK 5MHz 1RB Highest channel:



LTE Band 5 QPSK 5MHz 100%RB Lowest channel



LTE Band 5 QPSK 5MHz 100%RB Highest channel



LTE Band 5 QPSK 10MHz 1RB Lowest channel

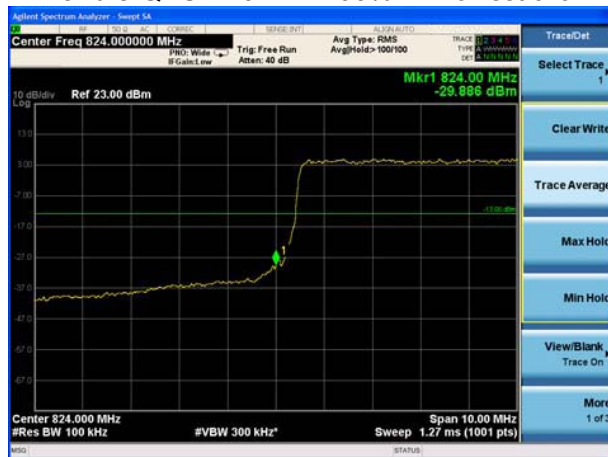


LTE Band 5 QPSK 10MHz 1RB Highest channel:





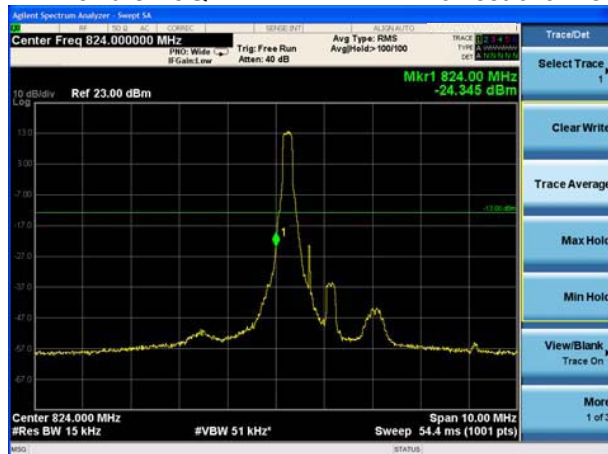
LTE Band 5 QPSK 10MHz 100%RB Lowest channel



LTE Band 5 QPSK 10MHz 100%RB Highest channel



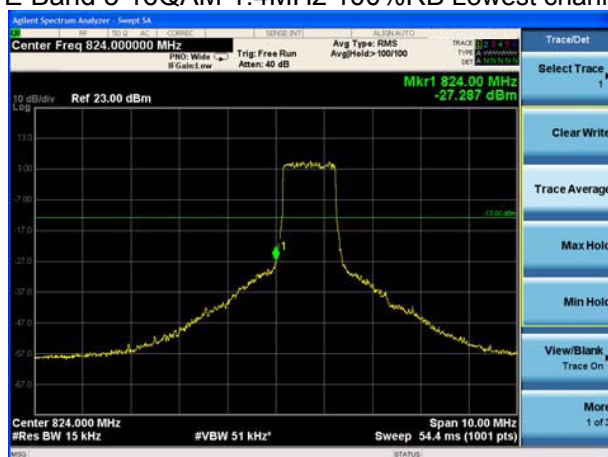
LTE Band 5 16QAM 1.4MHz 1RB Lowest channel



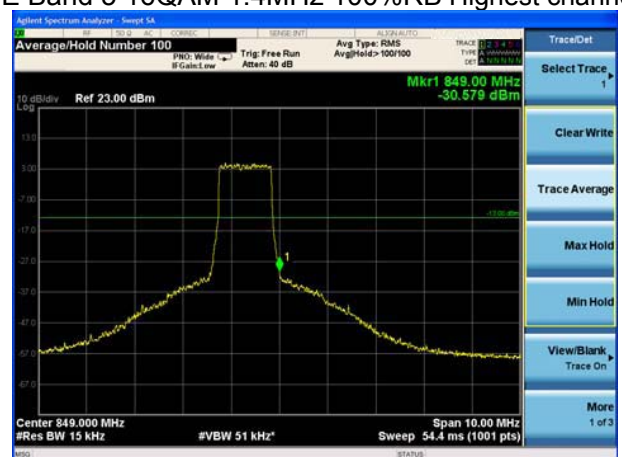
LTE Band 5 16QAM 1.4MHz 1RB Highest channel



LTE Band 5 16QAM 1.4MHz 100%RB Lowest channel

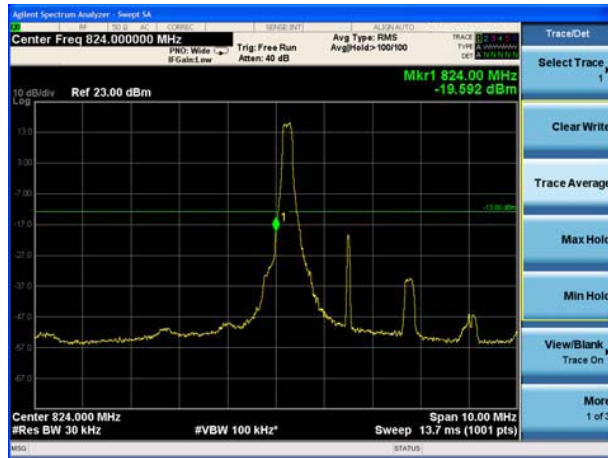


LTE Band 5 16QAM 1.4MHz 100%RB Highest channel





LTE Band 5 16QAM 3MHz 1RB Lowest channel



LTE Band 5 16QAM 3MHz 1RB Highest channel:



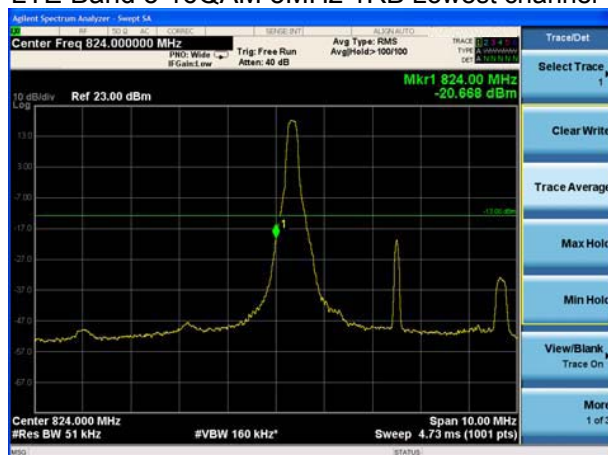
LTE Band 5 16QAM 3MHz 100%RB Lowest channel



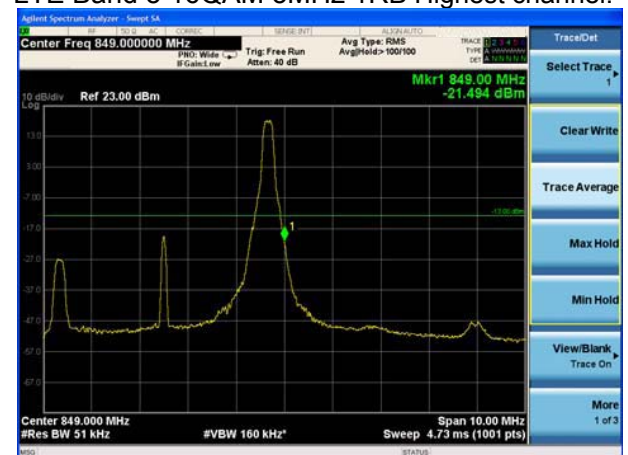
LTE Band 5 16QAM 3MHz 100%RB Highest channel



LTE Band 5 16QAM 5MHz 1RB Lowest channel



LTE Band 5 16QAM 5MHz 1RB Highest channel:





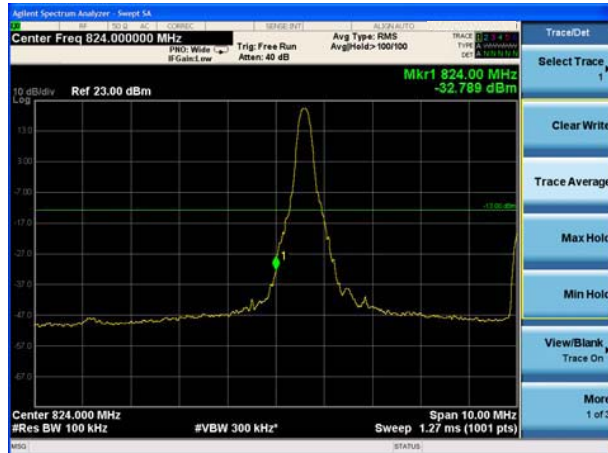
LTE Band 5 16QAM 5MHz 100%RB Lowest channel



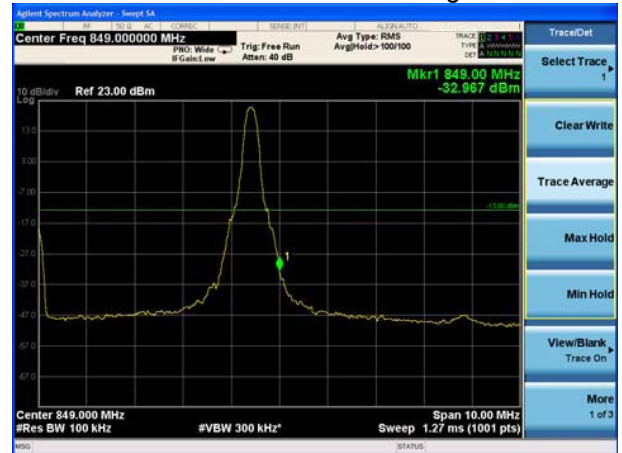
LTE Band 5 16QAM 5MHz 100%RB Highest channel:



LTE Band 5 16QAM 10MHz 1RB Lowest channel



LTE Band 5 16QAM 10MHz 1RB Highest channel



LTE Band 5 16QAM 10MHz 100%RB Lowest channel

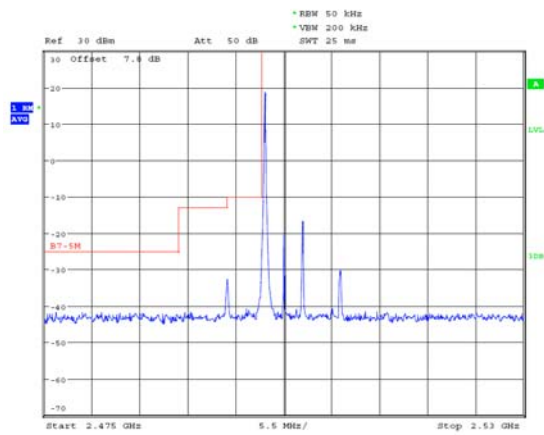


LTE Band 5 16QAM 10MHz 100%RB Highest channel:

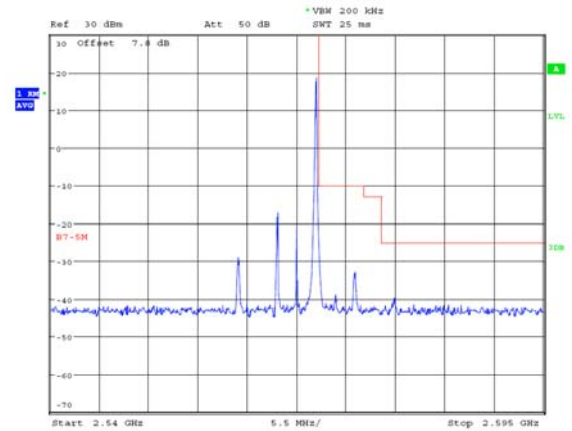




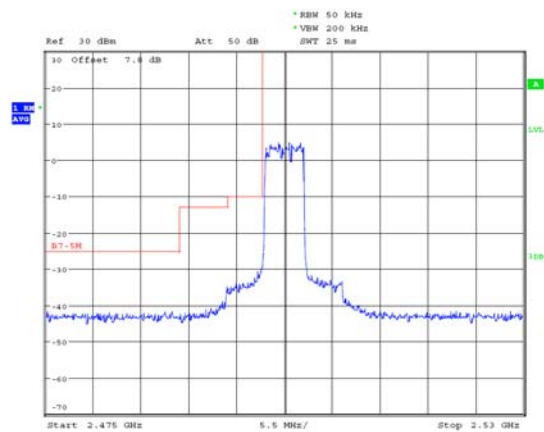
LTE Band 7 QPSK 5MHz 1RB Lowest channel



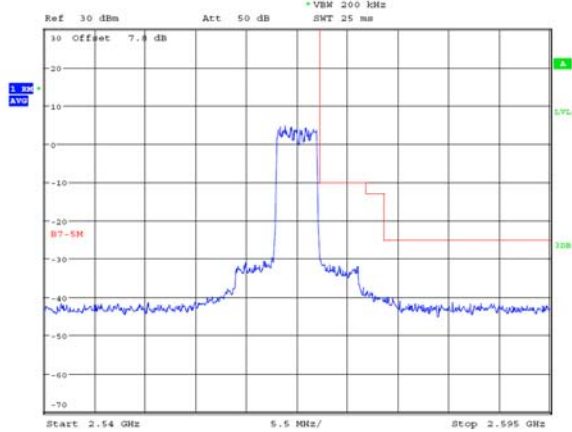
LTE Band 7 QPSK 5MHz 1RB Highest channel:



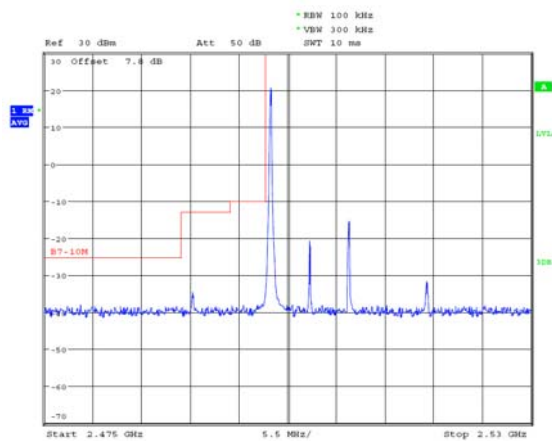
LTE Band 7 QPSK 5MHz 100%RB Lowest channel



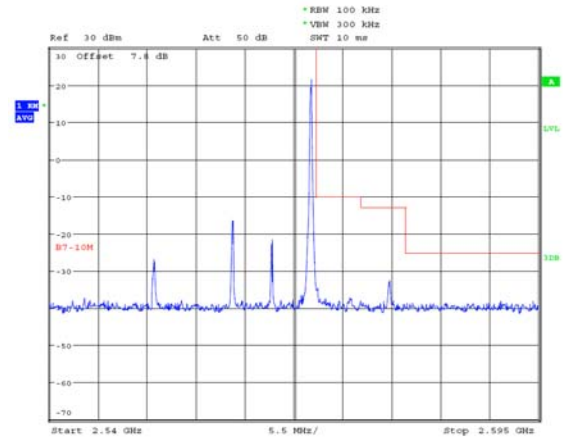
LTE Band 7 QPSK 5MHz 100%RB Highest channel



LTE Band 7 QPSK 10MHz 1RB Lowest channel

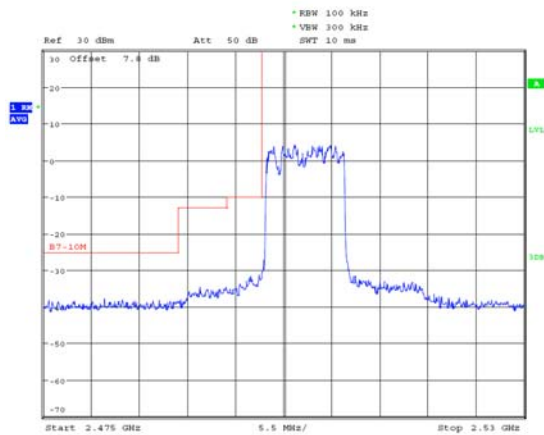


LTE Band 7 QPSK 10MHz 1RB Highest channel:

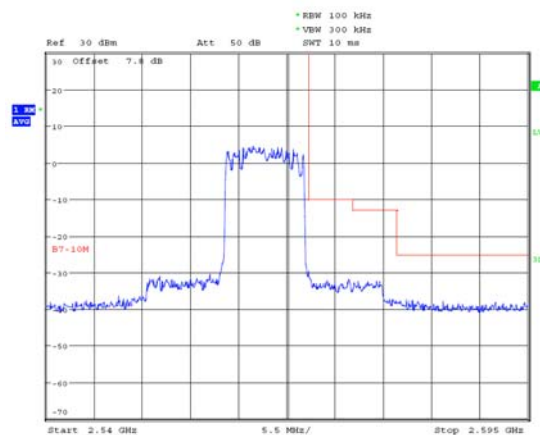




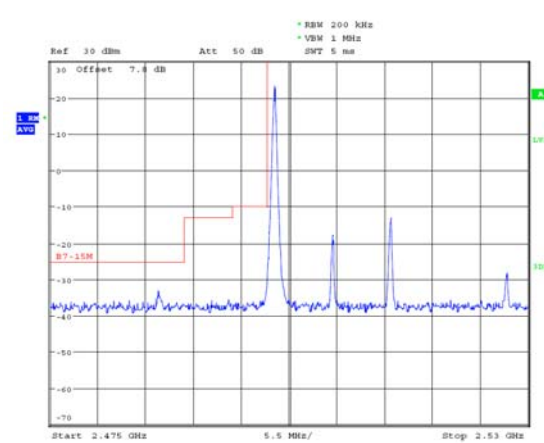
LTE Band 7 QPSK 10MHz 100%RB Lowest channel



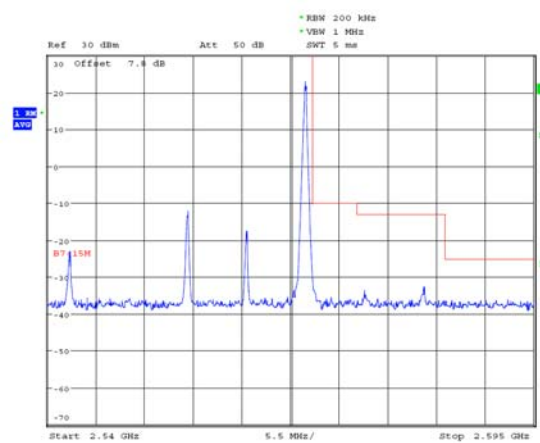
LTE Band 7 QPSK 10MHz 100%RB Highest channel



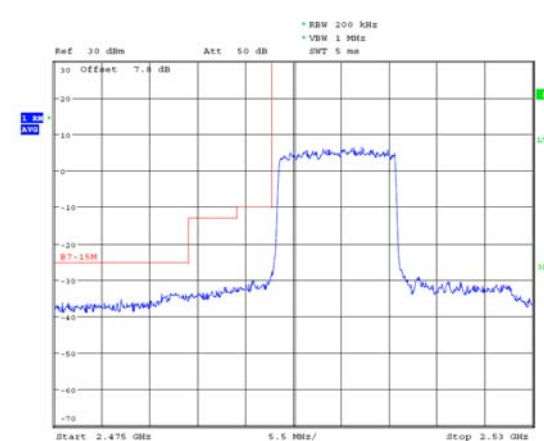
LTE Band 7 QPSK 15MHz 1RB Lowest channel



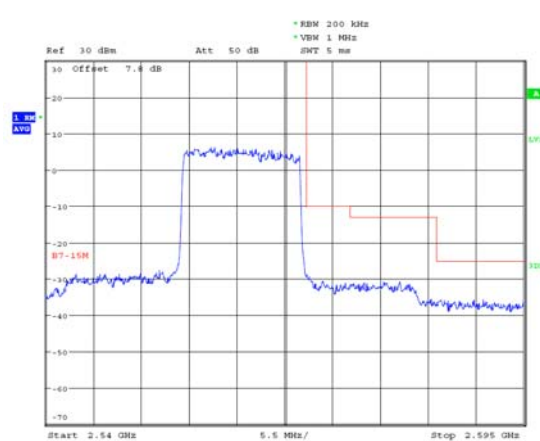
LTE Band 7 QPSK 15MHz 1RB Highest channel:



LTE Band 7 QPSK 15MHz 100%RB Lowest channel

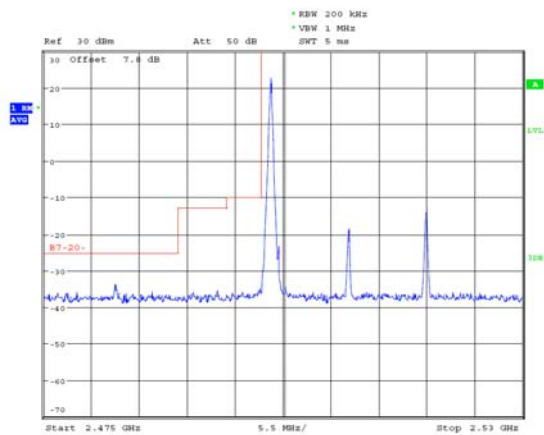


LTE Band 7 QPSK 15MHz 100%RB Highest channel:

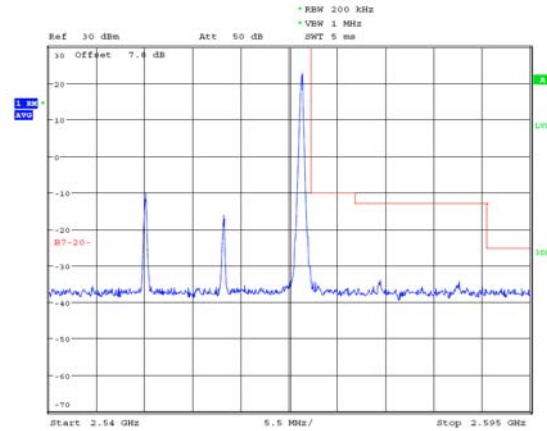




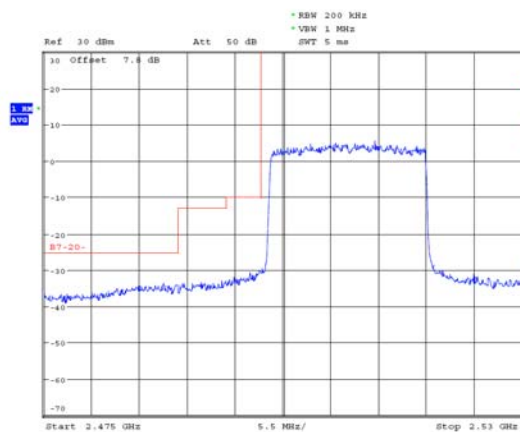
LTE Band 7 QPSK 20MHz 1RB Lowest channel



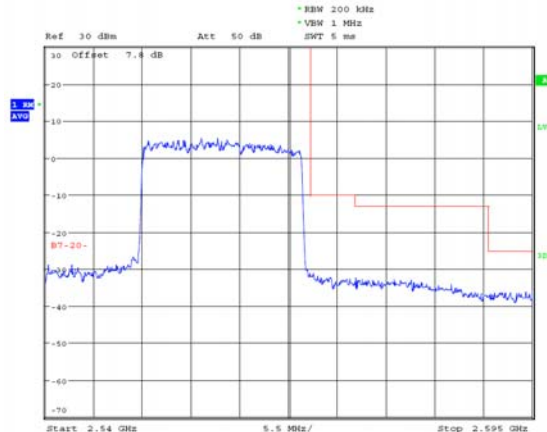
LTE Band 7 QPSK 20MHz 1RB Highest channel:



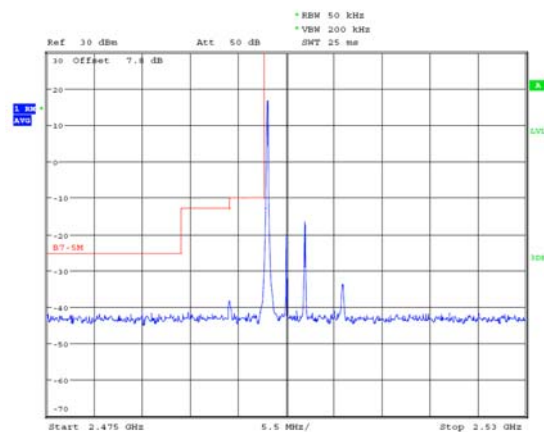
LTE Band 7 QPSK 20MHz 100%RB Lowest channel



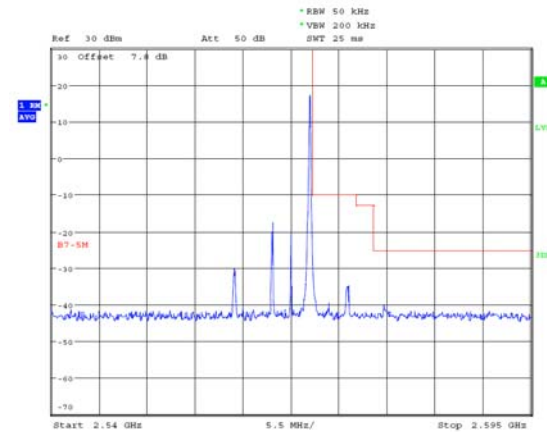
LTE Band 7 QPSK 20MHz 100%RB Highest channel:



LTE Band 7 16QAM 5MHz 1RB Lowest channel

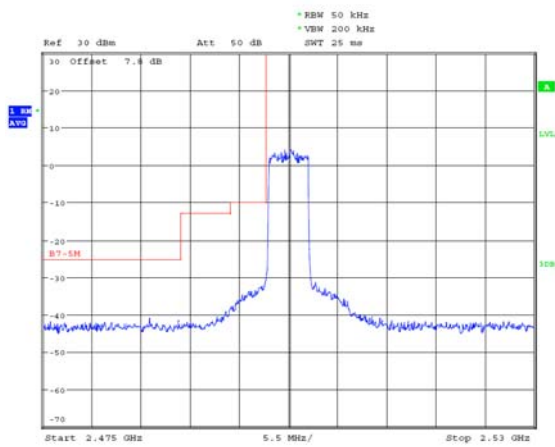


LTE Band 7 16QAM 5MHz 1RB Highest channel:

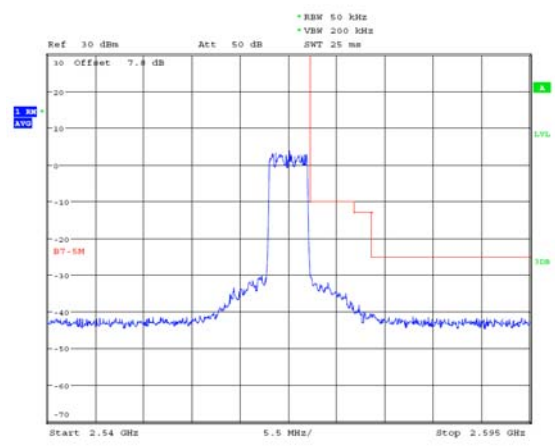




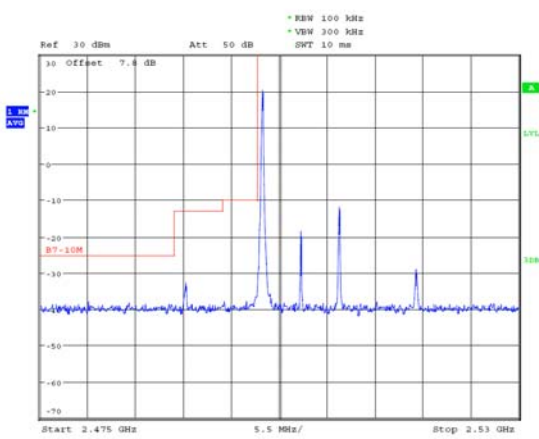
LTE Band 7 16QAM 5MHz 100%RB Lowest channel



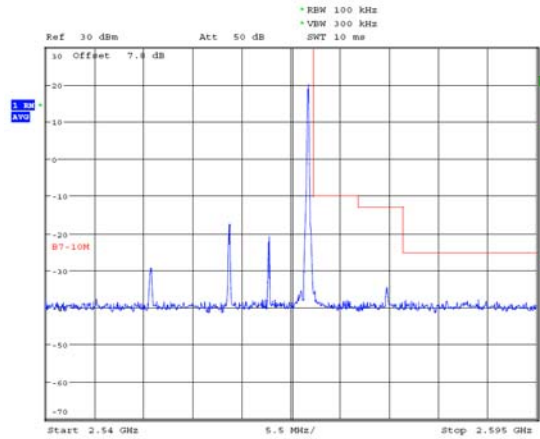
LTE Band 7 16QAM 5MHz 100%RB Highest channel



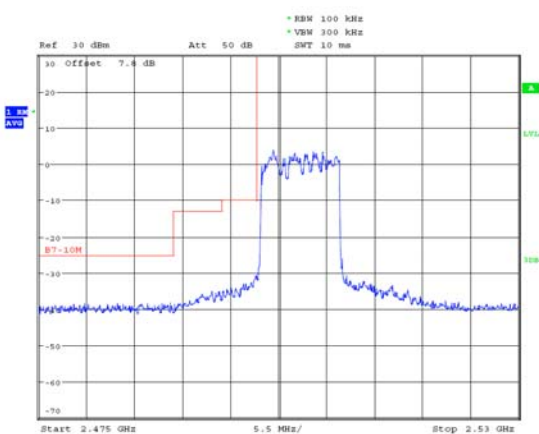
LTE Band 7 16QAM 10MHz 1RB Lowest channel



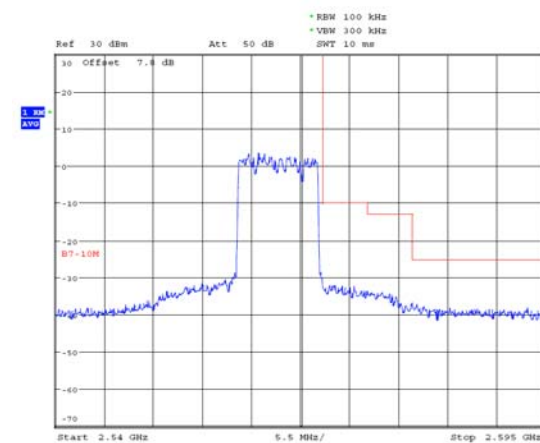
LTE Band 7 16QAM 10MHz 1RB Highest channel:



LTE Band 7 16QAM 10MHz 100%RB Lowest channel

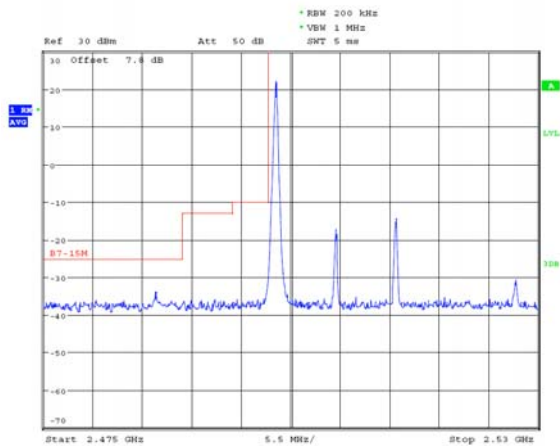


LTE Band 7 16QAM 10MHz 100%RB Highest channel:

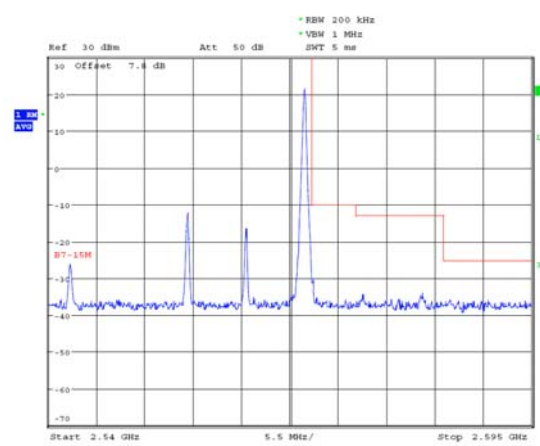




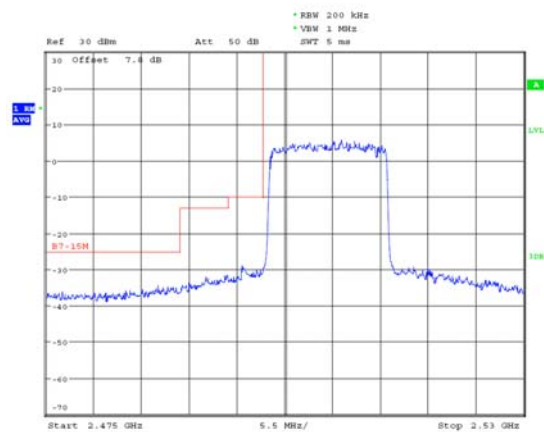
LTE Band 7 QPSK 15MHz 1RB Lowest channel



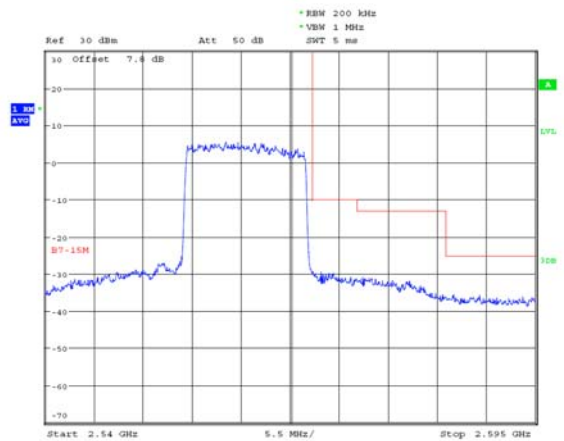
LTE Band 7 QPSK 15MHz 1RB Highest channel:



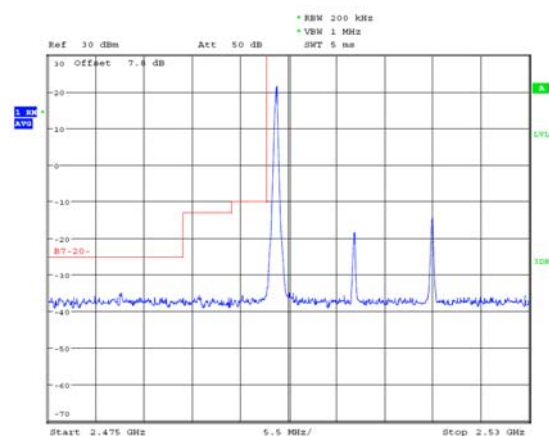
LTE Band 7 QPSK 15MHz 100%RB Lowest channel



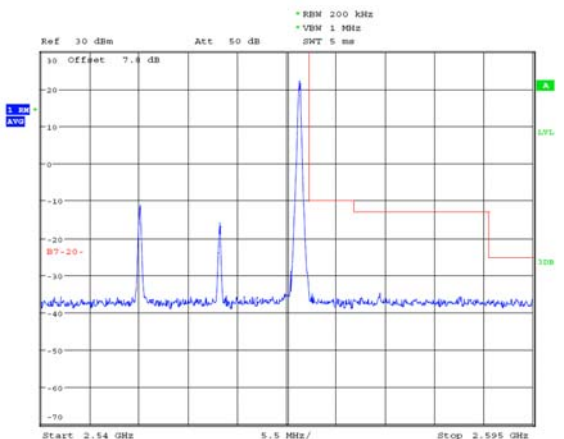
LTE Band 7 QPSK 15MHz 100%RB Highest channel:



LTE Band 7 16QAM 20MHz 1RB Lowest channel

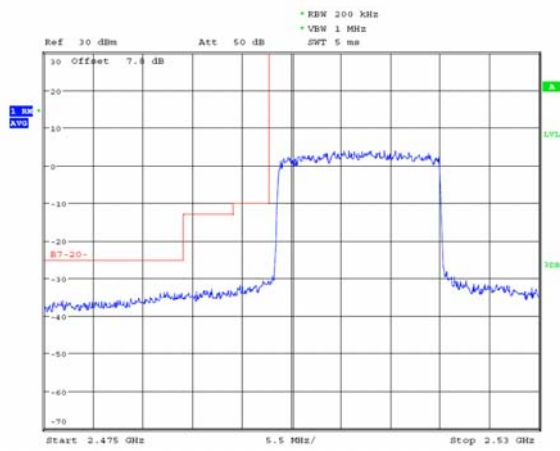


LTE Band 7 16QAM 20MHz 1RB Highest channel:

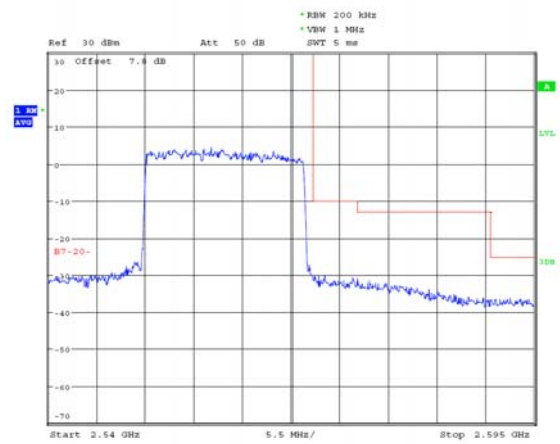




LTE Band 7 16QAM 20MHz 100%RB Lowest channel



LTE Band 7 16QAM 20MHz 100%RB Highest channel





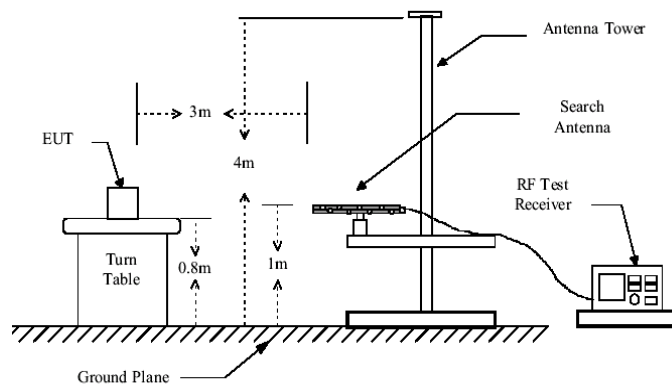
5.7. Transmitter Radiated Power (EIRP/ERP)

5.7.1. Limit

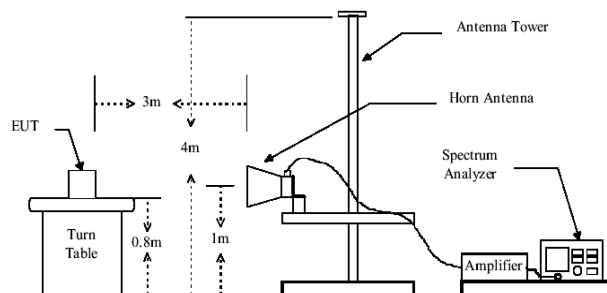
According to FCC section 22.913, the Effective Radiated Power (ERP) of mobile transmitters and auxiliary test transmitters must not exceed 7Watts, and FCC section 24.232, the broadband PCS mobile station is limited to 2 Watts e.i.r.p. peak power.

5.7.2. Test Setup

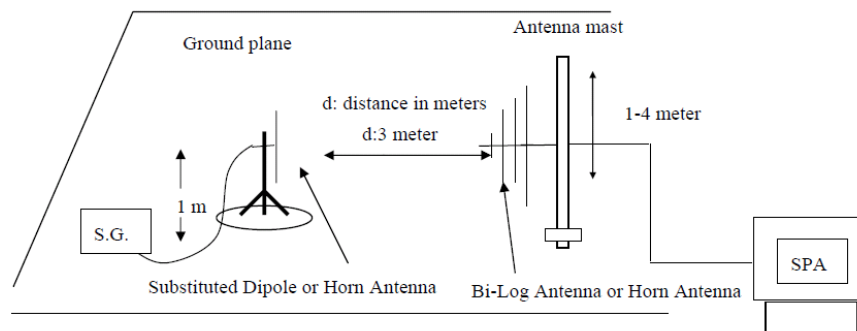
Below 1GHz



Above 1GHz



Substituted method:



5.7.3. Measurement Procedure

The EUT was placed on an non-conductive turntable using a non-conductive support. The radiated emission at the fundamental frequency was measured at 3 m with a test antenna and EMI spectrum analyzer. all test in Full-Anechoic Chamber.



During the measurement, the EUT was communication with the station. The highest emission was recorded with the rotation of the turntable and the lowering of the test antenna from 4m to 1m. The reading was recorded and the field strength (E in dBuV/m) was calculated.

ERP in frequency band 824.2 –848.80.8MHz were measured using a substitution method. The EUT was replaced by dipole antenna connected, the S.G. output was recorded and ERP was calculated as follows:

EIRP in frequency band 1850.2 –1909.8MHz were measured using a substitution method. The EUT was replaced by or horn antenna connected, the S.G. output was recorded and EIRP was calculated as follows:

$$\text{ERP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$$

$$\text{EIRP} = \text{S.G. output (dBm)} + \text{Antenna Gain (dBi)} - \text{Cable Loss (dB)}$$

5.7.4. Test Result



EUT mode	Channel	Antenna Pol.	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	ERP (dBm)	Limit (dBm)	Result
GSM850	Lowest	V	16.98	15.68	1.65	31.01	38.45	Pass
		H	15.01	15.68	1.65	29.04		
	Middle	V	17.54	15.70	1.67	31.57	38.45	Pass
		H	15.42	15.70	1.67	29.45		
	Highest	V	18.20	15.70	1.71	32.19	38.45	Pass
		H	14.98	15.70	1.71	28.97		
GPRS850	Lowest	V	16.82	15.68	1.65	30.85	38.45	Pass
		H	14.87	15.68	1.65	28.90		
	Middle	V	17.37	15.70	1.67	31.40	38.45	Pass
		H	15.27	15.70	1.67	29.30		
	Highest	V	18.03	15.70	1.71	32.02	38.45	Pass
		H	14.84	15.70	1.71	28.83		
EGPRS 850	Lowest	V	16.91	15.68	1.65	30.94	38.45	Pass
		H	14.95	15.68	1.65	28.98		
	Middle	V	17.47	15.70	1.67	31.50	38.45	Pass
		H	15.36	15.70	1.67	29.39		
	Highest	V	18.12	15.70	1.71	32.11	38.45	Pass
		H	16.92	15.70	1.71	30.91		
WCDMA Band V	Lowest	V	6.85	15.68	1.65	20.88	38.45	Pass
		H	5.90	15.68	1.65	19.93		
	Middle	V	7.40	15.70	1.67	21.43	38.45	Pass
		H	6.30	15.70	1.67	20.33		
	Highest	V	8.06	15.70	1.71	22.05	38.45	Pass
		H	7.87	15.70	1.71	21.86		



EUT mode	Channel	Antenna Pol.	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Result
GSM1900	Lowest	V	12.57	19.35	2.54	29.38	33.00	Pass
		H	10.65	19.35	2.54	27.46		
	Middle	V	13.50	19.51	2.62	30.39	33.00	Pass
		H	11.34	19.51	2.62	28.23		
	Highest	V	12.77	19.96	2.69	30.04	33.00	Pass
		H	10.73	19.96	2.69	28.00		
GPRS1900	Lowest	V	12.45	19.35	2.54	29.26	33.00	Pass
		H	10.55	19.35	2.54	27.36		
	Middle	V	13.37	19.51	2.62	30.26	33.00	Pass
		H	11.23	19.51	2.62	28.12		
	Highest	V	12.65	19.96	2.69	29.92	33.00	Pass
		H	10.64	19.96	2.69	27.91		
EGPRS1900	Lowest	V	12.55	19.35	2.54	29.36	33.00	Pass
		H	11.64	19.35	2.54	28.45		
	Middle	V	13.48	19.51	2.62	30.37	33.00	Pass
		H	11.33	19.51	2.62	28.22		
	Highest	V	12.75	19.96	2.69	30.02	33.00	Pass
		H	11.72	19.96	2.69	28.99		
WCDMA Band II	Lowest	V	7.14	19.33	2.52	23.95	33.00	Pass
		H	7.30	19.33	2.52	24.11		
	Middle	V	7.56	19.50	2.60	24.46	33.00	Pass
		H	7.39	19.50	2.60	24.29		
	Highest	V	6.84	19.94	2.71	24.07	33.00	Pass
		H	6.77	19.94	2.71	24.00		



EUT mode	Channel	Antenna Pol.	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Result
LTE BAND 2 1.4MHz QPSK	Lowest	V	5.58	19.35	2.54	22.39	33.00	Pass
		H	5.66	19.35	2.54	22.47		
	Middle	V	5.91	19.51	2.62	22.80	33.00	Pass
		H	5.35	19.51	2.62	22.24		
	Highest	V	5.78	19.96	2.69	23.05	33.00	Pass
		H	5.74	19.96	2.69	23.01		
LTE BAND 2 3MHz QPSK	Lowest	V	5.46	19.35	2.54	22.27	33.00	Pass
		H	5.56	19.35	2.54	22.37		
	Middle	V	5.38	19.51	2.62	22.27	33.00	Pass
		H	5.24	19.51	2.62	22.13		
	Highest	V	5.66	19.96	2.69	22.93	33.00	Pass
		H	5.65	19.96	2.69	22.92		
LTE BAND 2 5MHz QPSK	Lowest	V	5.56	19.35	2.54	22.37	33.00	Pass
		H	5.65	19.35	2.54	22.46		
	Middle	V	5.49	19.51	2.62	22.38	33.00	Pass
		H	5.34	19.51	2.62	22.23		
	Highest	V	5.76	19.96	2.69	23.03	33.00	Pass
		H	5.73	19.96	2.69	23.00		
LTE BAND 2 10MHz QPSK	Lowest	V	5.14	19.33	2.52	21.95	33.00	Pass
		H	5.30	19.33	2.52	22.11		
	Middle	V	5.56	19.50	2.60	22.46	33.00	Pass
		H	5.39	19.50	2.60	22.29		
	Highest	V	5.84	19.94	2.71	23.07	33.00	Pass
		H	5.77	19.94	2.71	23.00		
LTE BAND 2 15MHz QPSK	Lowest	V	5.14	19.33	2.52	21.95	33.00	Pass
		H	5.30	19.33	2.52	22.11		
	Middle	V	5.56	19.50	2.60	22.46	33.00	Pass
		H	5.39	19.50	2.60	22.29		
	Highest	V	5.84	19.94	2.71	23.07	33.00	Pass
		H	5.77	19.94	2.71	23.00		
LTE BAND 2 20MHz QPSK	Lowest	V	5.14	19.33	2.52	21.95	33.00	Pass
		H	5.30	19.33	2.52	22.11		
	Middle	V	5.56	19.50	2.60	22.46	33.00	Pass
		H	5.39	19.50	2.60	22.29		
	Highest	V	5.84	19.94	2.71	24.07	33.00	Pass
		H	5.77	19.94	2.71	24.00		



EUT mode	Channel	Antenna Pol.	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Result
LTE BAND 2 1.4MHz 16QAM	Lowest	V	5.49	19.35	2.54	22.30	33.00	Pass
		H	5.57	19.35	2.54	22.38		
	Middle	V	6.41	19.51	2.62	23.30	33.00	Pass
		H	5.27	19.51	2.62	22.16		
	Highest	V	5.69	19.96	2.69	22.96	33.00	Pass
		H	5.65	19.96	2.69	22.92		
LTE BAND 2 3MHz 16QAM	Lowest	V	5.38	19.35	2.54	22.19	33.00	Pass
		H	5.47	19.35	2.54	22.28		
	Middle	V	6.28	19.51	2.62	23.17	33.00	Pass
		H	5.16	19.51	2.62	22.05		
	Highest	V	5.57	19.96	2.69	22.84	33.00	Pass
		H	5.56	19.96	2.69	22.83		
LTE BAND 2 5MHz 16QAM	Lowest	V	5.47	19.35	2.54	22.28	33.00	Pass
		H	5.56	19.35	2.54	22.37		
	Middle	V	6.39	19.51	2.62	23.28	33.00	Pass
		H	6.24	19.51	2.62	23.13		
	Highest	V	5.67	19.96	2.69	22.94	33.00	Pass
		H	5.64	19.96	2.69	22.91		
LTE BAND 2 10MHz 16QAM	Lowest	V	5.06	19.33	2.52	21.87	33.00	Pass
		H	5.22	19.33	2.52	22.03		
	Middle	V	5.47	19.50	2.60	22.37	33.00	Pass
		H	5.31	19.50	2.60	22.21		
	Highest	V	5.75	19.94	2.71	22.98	33.00	Pass
		H	5.68	19.94	2.71	22.91		
LTE BAND 2 15MHz 16QAM	Lowest	V	5.06	19.33	2.52	21.87	33.00	Pass
		H	5.22	19.33	2.52	22.03		
	Middle	V	5.47	19.50	2.60	22.37	33.00	Pass
		H	5.31	19.50	2.60	22.21		
	Highest	V	5.75	19.94	2.71	22.98	33.00	Pass
		H	5.68	19.94	2.71	22.91		
LTE BAND 2 20MHz 16QAM	Lowest	V	5.06	19.33	2.52	21.87	33.00	Pass
		H	5.22	19.33	2.52	22.03		
	Middle	V	5.47	19.50	2.60	22.37	33.00	Pass
		H	5.31	19.50	2.60	22.21		
	Highest	V	5.75	19.94	2.71	23.98	33.00	Pass
		H	5.68	19.94	2.71	23.91		



EUT mode	Channel	Antenna Pol.	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Result
LTE BAND 4 1.4MHz QPSK	Lowest	V	5.45	19.35	2.54	22.26	30.00	Pass
		H	5.52	19.35	2.54	22.33		
	Middle	V	6.35	19.51	2.62	23.24	30.00	Pass
		H	5.22	19.51	2.62	22.11		
	Highest	V	5.64	19.96	2.69	22.91	30.00	Pass
		H	5.60	19.96	2.69	22.87		
LTE BAND 4 3MHz QPSK	Lowest	V	5.33	19.35	2.54	22.14	30.00	Pass
		H	5.43	19.35	2.54	22.24		
	Middle	V	5.25	19.51	2.62	22.14	30.00	Pass
		H	5.11	19.51	2.62	22.00		
	Highest	V	5.52	19.96	2.69	22.79	30.00	Pass
		H	5.51	19.96	2.69	22.78		
LTE BAND 4 5MHz QPSK	Lowest	V	5.43	19.35	2.54	22.24	30.00	Pass
		H	5.51	19.35	2.54	22.32		
	Middle	V	5.36	19.51	2.62	22.25	30.00	Pass
		H	5.21	19.51	2.62	22.10		
	Highest	V	5.62	19.96	2.69	22.89	30.00	Pass
		H	5.59	19.96	2.69	22.86		
LTE BAND 4 10MHz QPSK	Lowest	V	5.02	19.33	2.52	21.83	30.00	Pass
		H	5.17	19.33	2.52	21.98		
	Middle	V	5.43	19.50	2.60	22.33	30.00	Pass
		H	5.26	19.50	2.60	22.16		
	Highest	V	5.70	19.94	2.71	22.93	30.00	Pass
		H	5.63	19.94	2.71	22.86		
LTE BAND 4 15MHz QPSK	Lowest	V	5.02	19.33	2.52	21.83	30.00	Pass
		H	5.17	19.33	2.52	21.98		
	Middle	V	5.43	19.50	2.60	22.33	30.00	Pass
		H	5.26	19.50	2.60	22.16		
	Highest	V	5.70	19.94	2.71	22.93	30.00	Pass
		H	5.63	19.94	2.71	22.86		
LTE BAND 4 20MHz QPSK	Lowest	V	5.02	19.33	2.52	21.83	30.00	Pass
		H	5.17	19.33	2.52	21.98		
	Middle	V	5.43	19.50	2.60	22.33	30.00	Pass
		H	5.26	19.50	2.60	22.16		
	Highest	V	5.70	19.94	2.71	23.93	30.00	Pass
		H	5.63	19.94	2.71	23.86		



EUT mode	Channel	Antenna Pol.	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Result
LTE BAND 4 1.4MHz 16QAM	Lowest	V	5.52	19.35	2.54	22.33	30.00	Pass
		H	5.60	19.35	2.54	22.41		
	Middle	V	6.44	19.51	2.62	23.33	30.00	Pass
		H	5.29	19.51	2.62	22.18		
	Highest	V	5.72	19.96	2.69	22.99	30.00	Pass
		H	5.68	19.96	2.69	22.95		
LTE BAND 4 3MHz 16QAM	Lowest	V	5.40	19.35	2.54	22.21	30.00	Pass
		H	5.50	19.35	2.54	22.31		
	Middle	V	5.32	19.51	2.62	22.21	30.00	Pass
		H	5.18	19.51	2.62	22.07		
	Highest	V	5.60	19.96	2.69	22.87	30.00	Pass
		H	5.59	19.96	2.69	22.86		
LTE BAND 4 5MHz 16QAM	Lowest	V	5.50	19.35	2.54	22.31	30.00	Pass
		H	5.59	19.35	2.54	22.40		
	Middle	V	5.43	19.51	2.62	22.32	30.00	Pass
		H	5.28	19.51	2.62	22.17		
	Highest	V	5.70	19.96	2.69	22.97	30.00	Pass
		H	5.67	19.96	2.69	22.94		
LTE BAND 4 10MHz 16QAM	Lowest	V	5.08	19.33	2.52	21.89	30.00	Pass
		H	5.24	19.33	2.52	22.05		
	Middle	V	5.50	19.50	2.60	22.40	30.00	Pass
		H	5.33	19.50	2.60	22.23		
	Highest	V	5.77	19.94	2.71	23.00	30.00	Pass
		H	5.71	19.94	2.71	22.94		
LTE BAND 4 15MHz 16QAM	Lowest	V	5.08	19.33	2.52	21.89	30.00	Pass
		H	5.24	19.33	2.52	22.05		
	Middle	V	5.50	19.50	2.60	22.40	30.00	Pass
		H	5.33	19.50	2.60	22.23		
	Highest	V	5.77	19.94	2.71	23.00	30.00	Pass
		H	5.71	19.94	2.71	22.94		
LTE BAND 4 20MHz 16QAM	Lowest	V	5.08	19.33	2.52	21.89	30.00	Pass
		H	5.24	19.33	2.52	22.05		
	Middle	V	5.50	19.50	2.60	22.40	30.00	Pass
		H	5.33	19.50	2.60	22.23		
	Highest	V	5.77	19.94	2.71	24.00	30.00	Pass
		H	5.71	19.94	2.71	23.94		



EUT mode	Channel	Antenna Pol.	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Result
LTE BAND 5 1.4MHz QPSK	Lowest	V	6.92	15.68	1.65	20.95	38.45	Pass
		H	7.94	15.68	1.65	21.97		
	Middle	V	7.47	15.70	1.67	21.50	38.45	Pass
		H	7.35	15.70	1.67	21.38		
	Highest	V	8.12	15.70	1.71	22.11	38.45	Pass
		H	6.92	15.70	1.71	20.91		
LTE BAND 5 3MHz QPSK	Lowest	V	7.75	15.68	1.65	21.78	38.45	Pass
		H	7.80	15.68	1.65	21.83		
	Middle	V	7.30	15.70	1.67	21.33	38.45	Pass
		H	7.21	15.70	1.67	21.24		
	Highest	V	6.97	15.70	1.71	20.96	38.45	Pass
		H	7.77	15.70	1.71	21.76		
LTE BAND 5 5MHz QPSK	Lowest	V	7.84	15.68	1.65	21.87	38.45	Pass
		H	7.88	15.68	1.65	21.91		
	Middle	V	7.40	15.70	1.67	21.43	38.45	Pass
		H	7.29	15.70	1.67	21.32		
	Highest	V	7.06	15.70	1.71	21.05	38.45	Pass
		H	7.85	15.70	1.71	21.84		
LTE BAND 5 10MHz QPSK	Lowest	V	7.76	15.68	1.65	21.79	38.45	Pass
		H	7.81	15.68	1.65	21.84		
	Middle	V	7.31	15.70	1.67	21.34	38.45	Pass
		H	6.23	15.70	1.67	20.26		
	Highest	V	7.99	15.70	1.71	21.98	38.45	Pass
		H	7.78	15.70	1.71	21.77		
LTE BAND 5 1.4MHz 16QAM	Lowest	V	6.95	15.68	1.65	20.98	38.45	Pass
		H	7.97	15.68	1.65	22.00		
	Middle	V	7.50	15.70	1.67	21.53	38.45	Pass
		H	7.38	15.70	1.67	21.41		
	Highest	V	7.16	15.70	1.71	21.15	38.45	Pass
		H	6.95	15.70	1.71	20.94		
LTE BAND 5 3MHz 16QAM	Lowest	V	7.78	15.68	1.65	21.81	38.45	Pass
		H	7.83	15.68	1.65	21.86		
	Middle	V	7.33	15.70	1.67	21.36	38.45	Pass
		H	7.23	15.70	1.67	21.26		
	Highest	V	7.00	15.70	1.71	21.99	38.45	Pass
		H	7.80	15.70	1.71	22.79		
LTE BAND 5 5MHz 16QAM	Lowest	V	7.87	15.68	1.65	22.90	38.45	Pass
		H	7.91	15.68	1.65	22.94		
	Middle	V	7.43	15.70	1.67	22.46	38.45	Pass
		H	7.32	15.70	1.67	22.35		
	Highest	V	7.08	15.70	1.71	22.07	38.45	Pass
		H	7.88	15.70	1.71	21.87		
LTE BAND 5 10MHz 16QAM	Lowest	V	7.79	15.68	1.65	21.82	38.45	Pass
		H	7.84	15.68	1.65	21.87		
	Middle	V	7.34	15.70	1.67	21.37	38.45	Pass
		H	7.24	15.70	1.67	21.27		
	Highest	V	8.00	15.70	1.71	21.99	38.45	Pass
		H	7.81	15.70	1.71	21.80		



EUT mode	Channel	Antenna Pol.	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	EIRP (dBm)	Limit (dBm)	Result
LTE BAND 7 5MHz QPSK	Lowest	V	5.54	19.35	2.54	22.35	33.00	Pass
		H	5.62	19.35	2.54	22.43		
	Middle	V	6.46	19.51	2.62	23.35	33.00	Pass
		H	5.31	19.51	2.62	22.20		
	Highest	V	5.74	19.96	2.69	23.01	33.00	Pass
		H	5.70	19.96	2.69	22.97		
LTE BAND 7 10MHz QPSK	Lowest	V	5.42	19.35	2.54	22.23	33.00	Pass
		H	5.52	19.35	2.54	22.33		
	Middle	V	5.34	19.51	2.62	22.23	33.00	Pass
		H	5.20	19.51	2.62	22.09		
	Highest	V	5.62	19.96	2.69	22.89	33.00	Pass
		H	5.61	19.96	2.69	22.88		
LTE BAND 7 15MHz QPSK	Lowest	V	5.52	19.35	2.54	22.33	33.00	Pass
		H	5.61	19.35	2.54	22.42		
	Middle	V	5.45	19.51	2.62	22.34	33.00	Pass
		H	5.30	19.51	2.62	22.19		
	Highest	V	5.72	19.96	2.69	22.99	33.00	Pass
		H	5.69	19.96	2.69	22.96		
LTE BAND 7 20MHz QPSK	Lowest	V	5.54	19.35	2.54	22.35	33.00	Pass
		H	5.62	19.35	2.54	22.43		
	Middle	V	5.47	19.51	2.62	22.36	33.00	Pass
		H	5.31	19.51	2.62	22.20		
	Highest	V	5.74	19.96	2.69	23.01	33.00	Pass
		H	5.70	19.96	2.69	22.97		
LTE BAND 7 5MHz 16QAM	Lowest	V	5.37	19.35	2.54	22.18	33.00	Pass
		H	5.46	19.35	2.54	22.27		
	Middle	V	5.29	19.51	2.62	22.18	33.00	Pass
		H	5.15	19.51	2.62	22.04		
	Highest	V	5.56	19.96	2.69	22.83	33.00	Pass
		H	5.55	19.96	2.69	22.82		
LTE BAND 7 10MHz 16QAM	Lowest	V	5.46	19.35	2.54	22.27	33.00	Pass
		H	5.55	19.35	2.54	22.36		
	Middle	V	5.39	19.51	2.62	22.28	33.00	Pass
		H	5.25	19.51	2.62	22.14		
	Highest	V	5.66	19.96	2.69	23.93	33.00	Pass
		H	5.63	19.96	2.69	23.90		
LTE BAND 7 15MHz 16QAM	Lowest	V	5.37	19.35	2.54	23.18	33.00	Pass
		H	5.46	19.35	2.54	23.27		
	Middle	V	5.29	19.51	2.62	23.18	33.00	Pass
		H	5.15	19.51	2.62	23.04		
	Highest	V	5.56	19.96	2.69	23.83	33.00	Pass
		H	5.55	19.96	2.69	22.82		
LTE BAND 7 20MHz 16QAM	Lowest	V	5.46	19.35	2.54	22.27	33.00	Pass
		H	5.55	19.35	2.54	22.36		
	Middle	V	5.39	19.51	2.62	22.28	33.00	Pass
		H	5.25	19.51	2.62	22.14		
	Highest	V	5.66	19.96	2.69	22.93	33.00	Pass
		H	5.63	19.96	2.69	22.90		



5.8. Radiated Out of Band Emissions

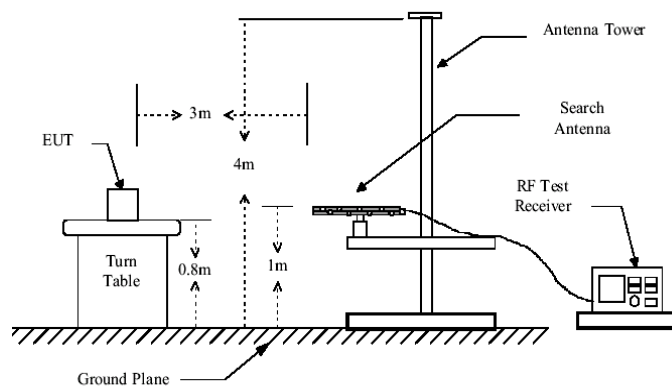
5.8.1. Limit

According to FCC section 22.917(a) and section 24.238(a), 27.53(g) the power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43+10*\log(P)$ dB. This calculated to be -13dBm.

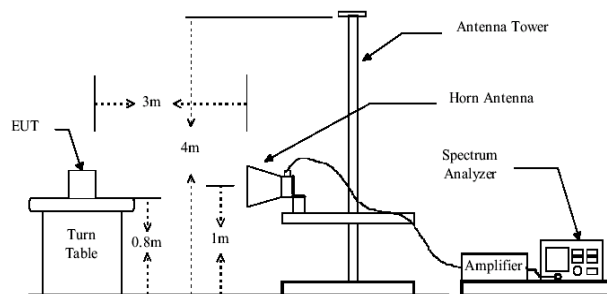
The spurious emission with frequency band 1900 according to FCC section 2.1057.

5.8.2. Test Setup

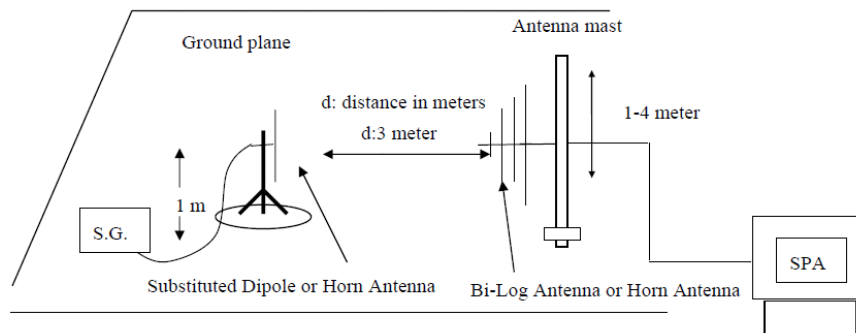
Below 1GHz



Above 1GHz



Substituted method:





5.8.3. Measurement Procedure

The EUT was placed on a non-conductive, The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and the EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. This maximization process was repeated with the EUT positioned in each of its three orthogonal orientations. all test in Full-Anechoic Chamber.

The frequency range up to tenth harmonic was investigated for each of three fundamental frequency (low, middle and high channels). Once spurious emission was identified, the power of the emission was determined using the substitution method.

The spurious emissions attenuation was calculated as the difference between radiated power at the fundamental frequency and the spurious emissions frequency.

$EIRP \text{ (Level)} = S.G. \text{ output (dBm)} + \text{Antenna Gain(dBi)} - \text{Cable Loss (dB)}$

Note: Measurement Uncertainty: $\pm 3.6 \text{ dB}$.

The data show only the worst results, and the other results are very low and not shown in the report.



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Level (dBm)		
GSM 850 Lowest	88.37	Vertical	-75.42	3.35	0.38	-72.45	-13	PASS
	1648.40	Vertical	-29.19	6.51	1.35	-24.03		
	2472.60	Vertical	-35.37	6.88	2.53	-31.02		
	3296.80	Vertical	-37.22	7.61	3.67	-33.28		
	4121.00	Vertical	-45.31	8.67	4.06	-40.70		
	4945.20	Vertical	-39.87	9.35	4.38	-34.90		
GSM 850 Middle	87.96	Vertical	-75.37	3.35	0.38	-72.40	-13	PASS
	1648.70	Vertical	-32.13	6.51	1.35	-26.97		
	2472.10	Vertical	-32.67	6.88	2.53	-28.32		
	3296.50	Vertical	-40.13	7.61	3.67	-36.19		
	4121.30	Vertical	-47.68	8.67	4.06	-43.07		
	4945.70	Vertical	-43.20	9.35	4.38	-38.23		
GSM 850 Highest	88.69	Vertical	-75.04	3.35	0.38	-72.07	-13	PASS
	1648.30	Vertical	-31.03	6.51	1.35	-25.87		
	2472.10	Vertical	-32.93	6.88	2.53	-28.58		
	3296.50	Vertical	-36.07	7.61	3.67	-32.13		
	4121.40	Vertical	-41.38	8.67	4.06	-36.77		
	4945.20	Vertical	-46.79	9.35	4.38	-41.82		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
PCS1900 Lowest	89.03	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-42.05		
	5550.60	Vertical	-47.17	9.84	4.94	-42.27		
	7400.80	Vertical	-39.63	10.21	5.32	-34.74		
	9251.00	Vertical	-43.00	11.36	6.02	-37.66		
	11101.20	Vertical	-44.53	14.52	6.68	-36.69		
PCS1900 Middle	88.14	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
PCS1900 Highest	89.06	Vertical	-75.30	3.35	0.38	-72.33	-13	PASS
	3819.60	Vertical	-47.03	7.79	3.53	-42.77		
	5729.40	Vertical	-41.49	9.88	5.02	-36.63		
	7639.20	Vertical	-37.71	10.25	5.54	-33.00		
	9549.00	Vertical	-44.55	11.38	6.16	-39.33		
	11458.80	Vertical	-46.98	14.56	6.72	-39.14		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
WCDMA Band II Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
WCDMA Band II Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
WCDMA Band II Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBd)	Cable Loss (dB)	Level (dBm)		
WCDMA Band V Lowest	87.48	Vertical	-75.46	3.35	0.38	-72.49	-13	PASS
	1652.80	Vertical	-29.21	6.51	1.35	-24.05		
	2479.20	Vertical	-35.39	6.88	2.53	-31.04		
	3305.60	Vertical	-37.24	7.61	3.67	-33.30		
	4132.00	Vertical	-45.34	8.67	4.06	-40.73		
	4958.40	Vertical	-39.90	9.35	4.38	-34.93		
WCDMA Band V Lowest	87.69	Vertical	-75.41	3.35	0.38	-72.44	-13	PASS
	1670.00	Vertical	-32.15	6.58	1.38	-26.95		
	2505.00	Vertical	-32.69	6.92	2.57	-28.34		
	3340.00	Vertical	-40.16	7.67	3.72	-36.21		
	4175.00	Vertical	-47.70	8.75	4.19	-43.14		
	5010.00	Vertical	-43.22	9.48	4.45	-38.19		
WCDMA Band V Lowest	88.26	Vertical	-75.09	3.35	0.38	-72.12	-13	PASS
	1693.20	Vertical	-31.04	6.57	1.48	-25.95		
	2539.80	Vertical	-32.95	6.96	2.67	-28.66		
	3386.40	Vertical	-36.10	7.68	3.78	-32.20		
	4233.00	Vertical	-41.41	8.76	4.24	-36.89		
	5079.60	Vertical	-46.82	9.47	4.63	-41.98		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 2 1.4MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 2 1.4MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 2 1.4MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 2 3MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 2 3MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 2 3MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 2 5MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 2 5MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 2 5MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 2 10MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 2 10MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 2 10MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 2 15MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 2 15MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 2 15MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 2 20MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 2 20MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 2 20MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 4 1.4MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 4 1.4MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 4 1.4MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 4 3MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 4 3MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 4 3MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 4 5MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 4 5MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 4 5MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 4 10MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 4 10MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 4 10MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 4 15MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 4 15MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 4 15MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 4 20MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 4 20MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 4 20MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 5 1.4MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 5 1.4MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 5 1.4MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 5 3MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 5 3MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 5 3MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 5 5MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 5 5MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 5 5MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 5 10MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 5 10MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 5 10MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 7 5MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 7 5MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 7 5MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 7 10MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 7 10MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 7 10MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



Band	Frequency (MHz)	Spurious Emission					Limit (dBm)	Result
		Polarization	S.G. output (dBm)	Antenna Gain (dBi)	Cable Loss (dB)	Level (dBm)		
LTE BAND 7 15MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 7 15MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 7 15MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		
LTE BAND 7 20MHz Lowest	87.21	Vertical	-75.26	3.35	0.38	-72.15	-13	PASS
	3700.40	Vertical	-46.06	7.76	3.75	-41.97		
	5550.60	Vertical	-47.17	9.84	4.94	-42.19		
	7400.80	Vertical	-39.63	10.21	5.32	-34.67		
	9251.00	Vertical	-43.00	11.36	6.02	-37.58		
	11101.20	Vertical	-44.53	14.52	6.68	-36.61		
LTE BAND 7 20MHz Middle	88.39	Vertical	-75.26	3.35	0.38	-72.29	-13	PASS
	3760.00	Vertical	-47.38	7.76	3.75	-43.37		
	5640.00	Vertical	-46.98	9.84	4.94	-42.08		
	7520.00	Vertical	-42.61	10.21	5.32	-37.72		
	9400.00	Vertical	-42.02	11.36	6.02	-36.68		
	11280.00	Vertical	-45.96	14.52	6.68	-38.12		
LTE BAND 7 20MHz Highest	88.24	Vertical	-75.22	3.35	0.38	-72.25	-13	PASS
	3819.60	Vertical	-46.98	7.79	3.53	-42.72		
	5729.40	Vertical	-41.45	9.88	5.02	-36.59		
	7639.20	Vertical	-37.66	10.25	5.54	-32.95		
	9549.00	Vertical	-44.50	11.38	6.16	-39.28		
	11458.80	Vertical	-46.93	14.56	6.72	-39.09		



6. PHOTOGRAPHS OF TEST SET-UP

Reference to the appendix I for details.



7. PHOTOGRAPHS OF THE EUT

Reference to the appendix II for details.

***** END OF REPORT *****