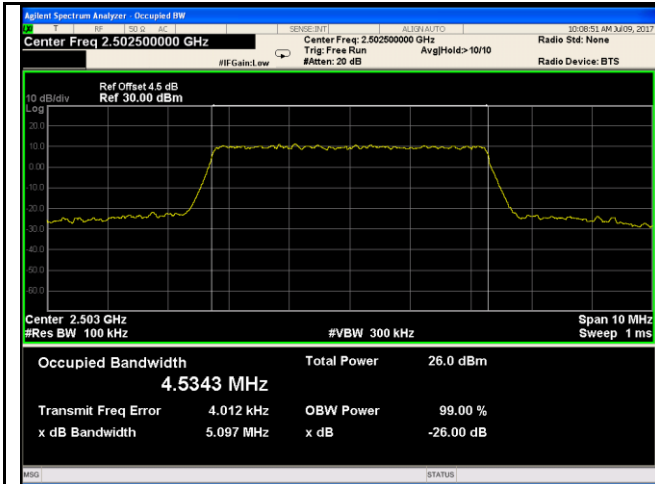
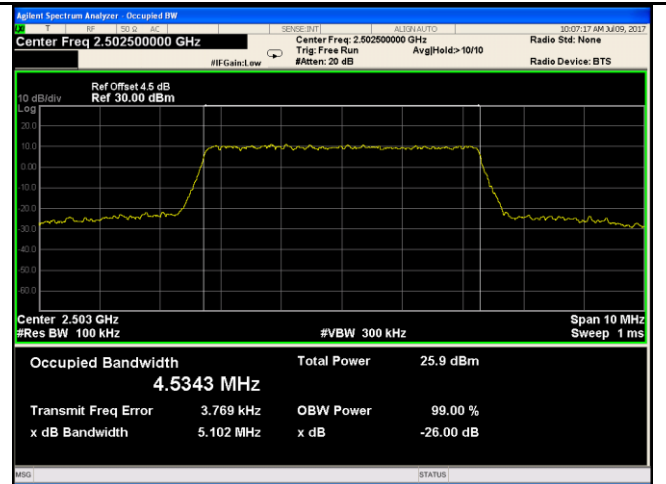


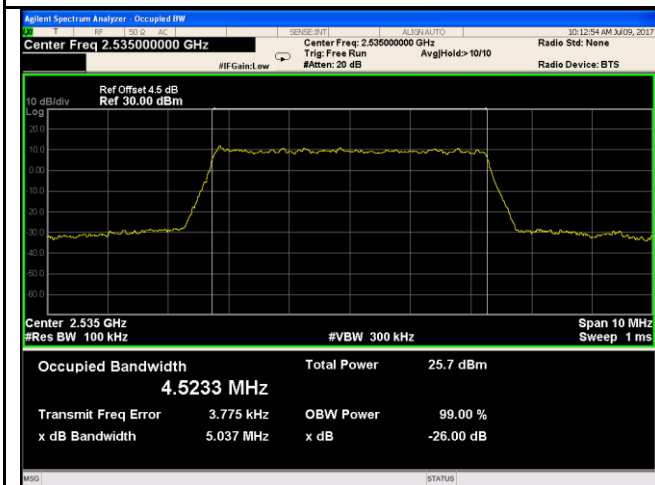
LTE band VII (Part 27)



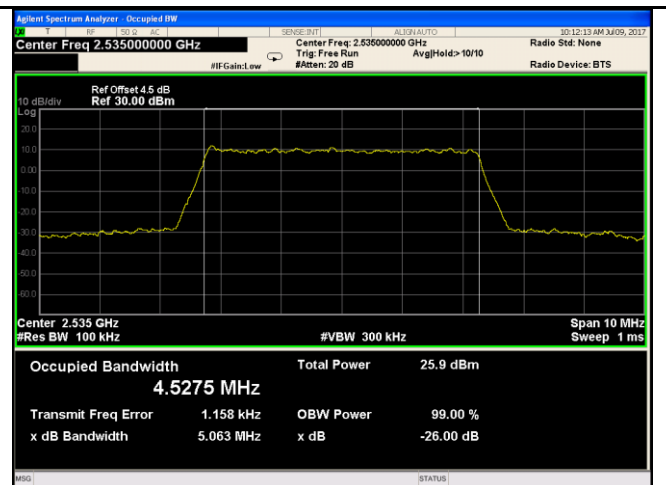
LTE band VII - Low CH QPSK-5



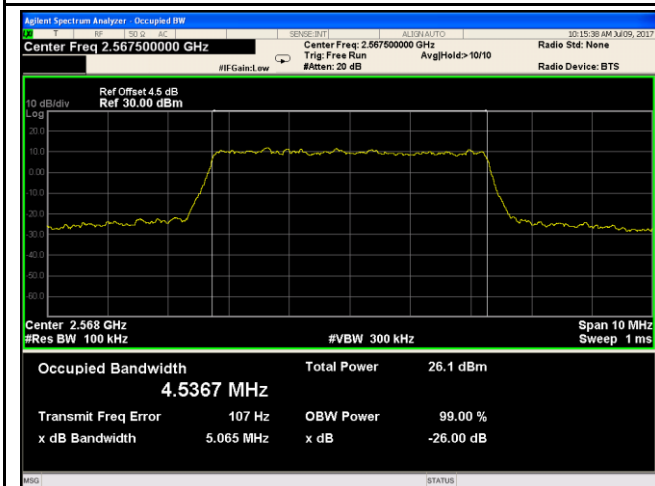
LTE band VII - Low CH 16QAM-5



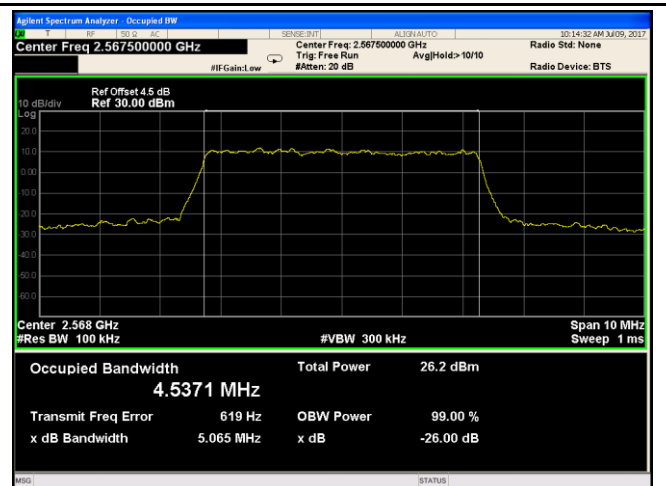
LTE band VII - Middle CH QPSK-5



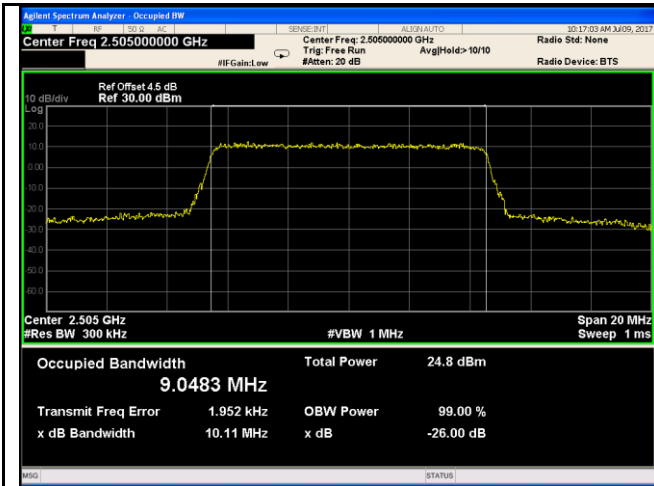
LTE band VII - Middle CH 16QAM-5



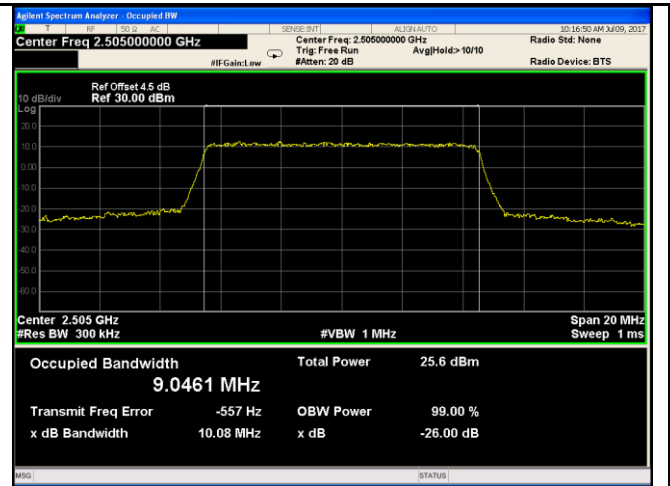
LTE band VII - High CH QPSK-5



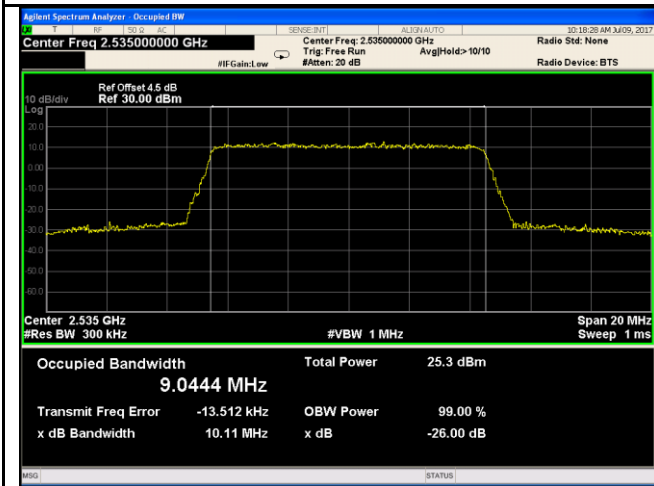
LTE band VII - High CH 16QAM-5



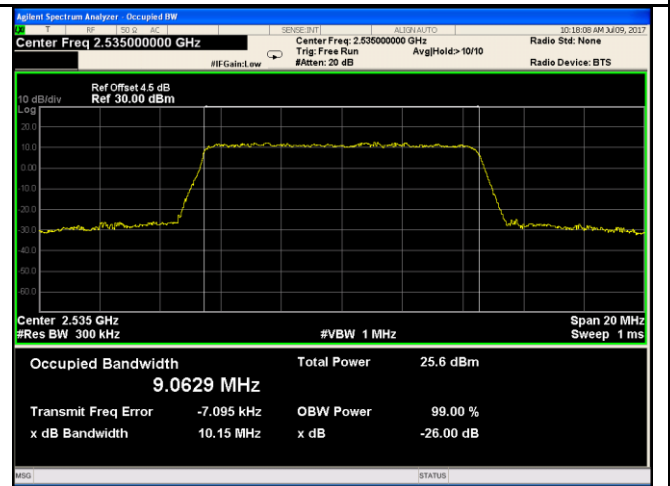
LTE band VII - Low CH QPSK-10



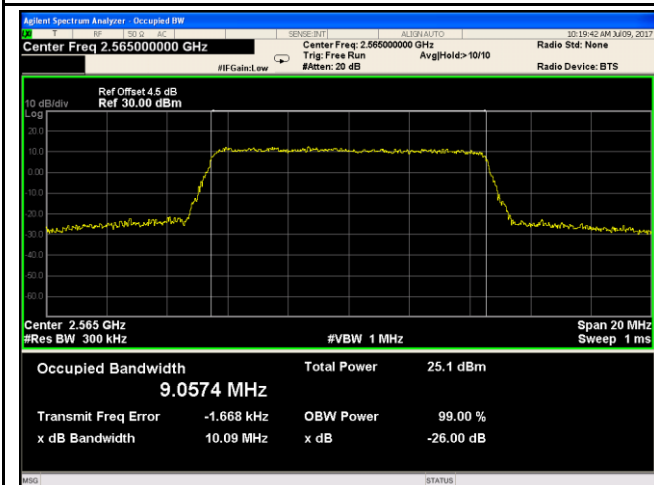
LTE band VII - Low CH 16QAM-10



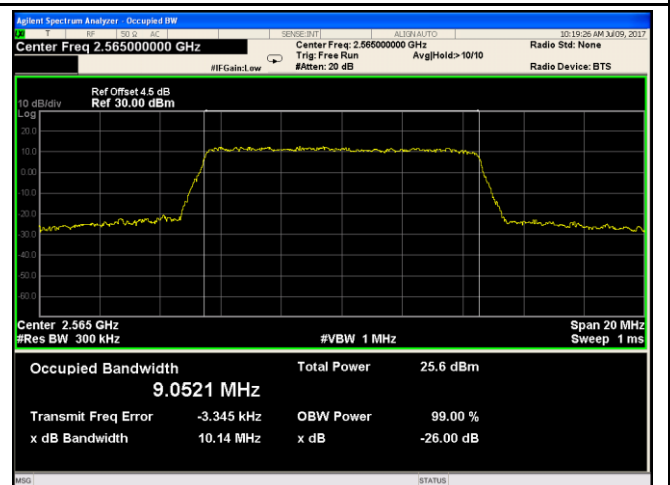
LTE band VII - Middle CH QPSK-10



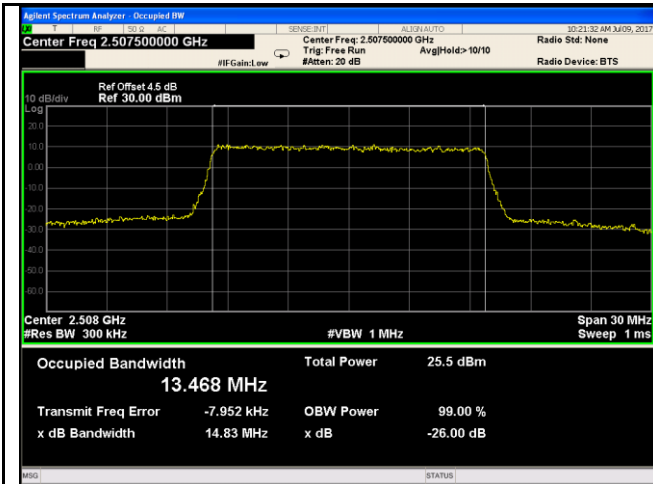
LTE band VII - Middle CH 16QAM-10



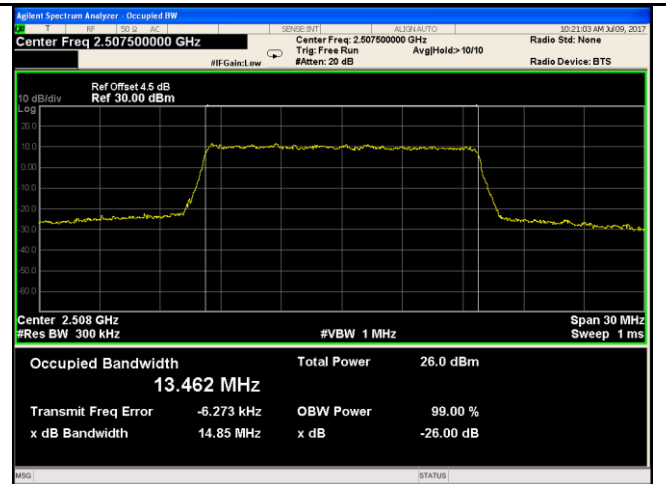
LTE band VII - High CH QPSK-10



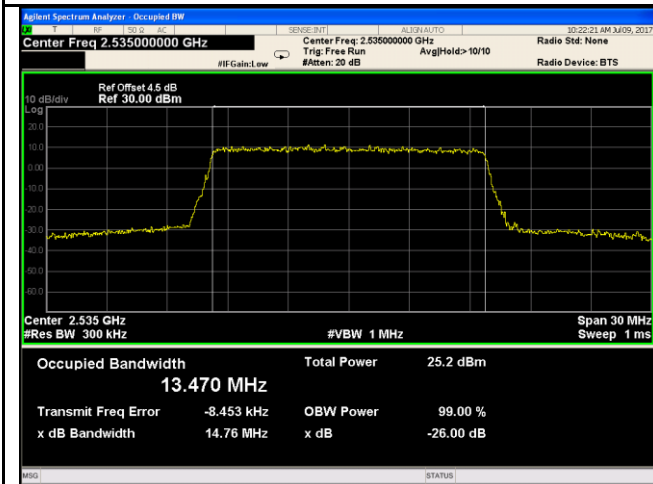
LTE band VII - High CH 16QAM-10



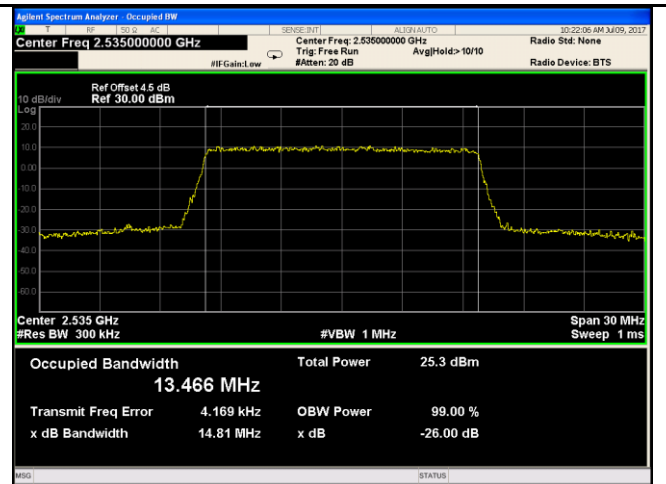
LTE band VII - Low CH QPSK-15



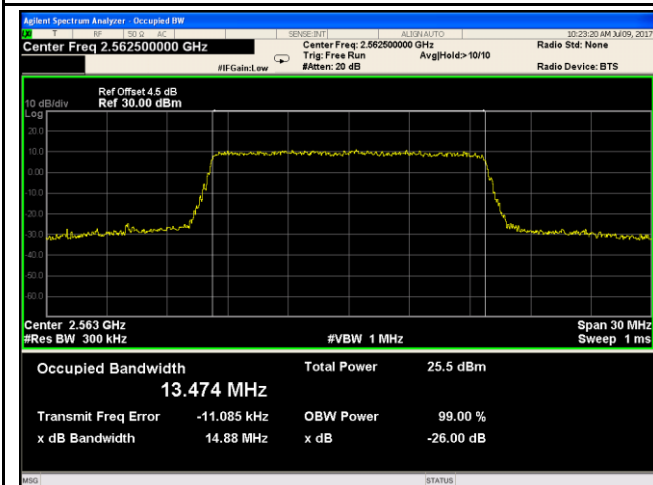
LTE band VII - Low CH 16QAM-15



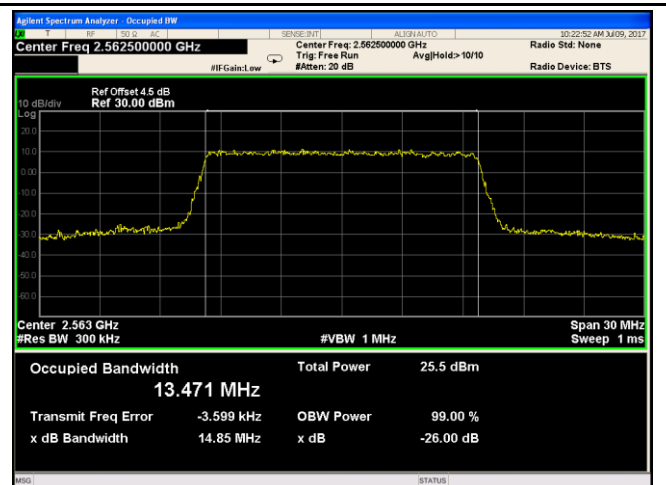
LTE band VII - Middle CH QPSK-15



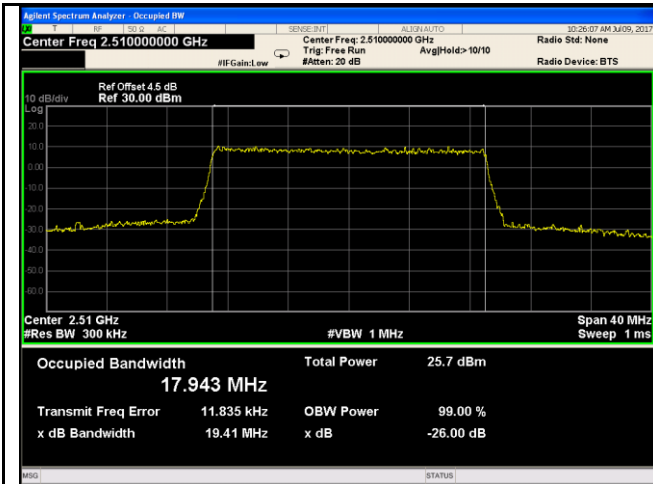
LTE band VII - Middle CH 16QAM-15



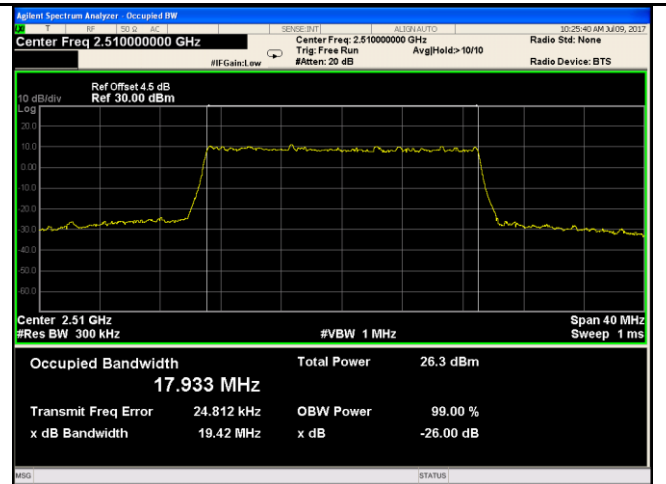
LTE band VII - High CH QPSK-15



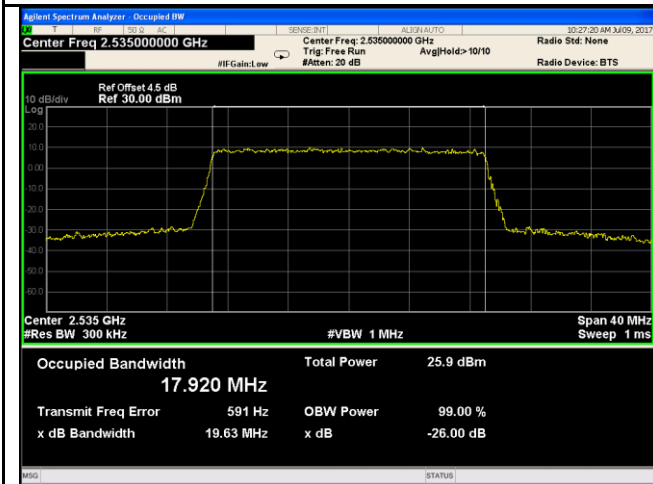
LTE band VII - High CH 16QAM-15



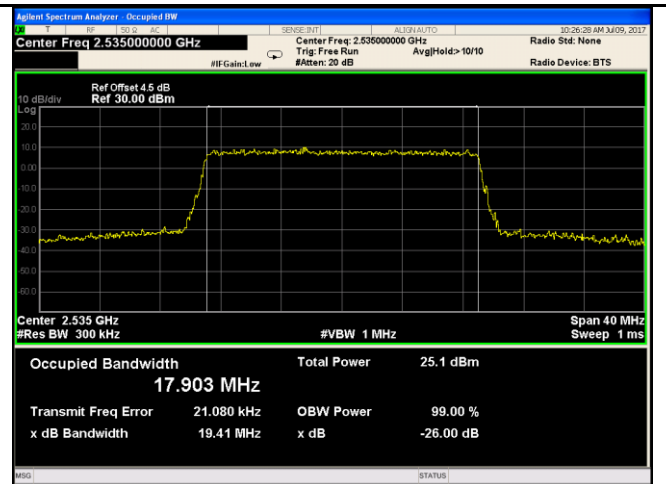
LTE band VII - Low CH QPSK-20



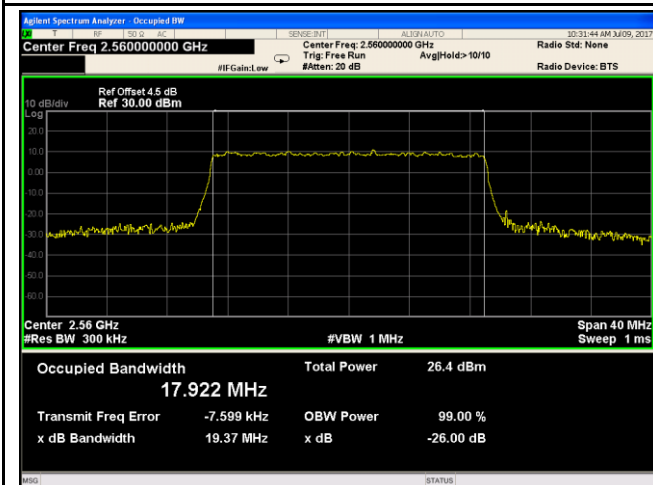
LTE band VII - Low CH 16QAM-20



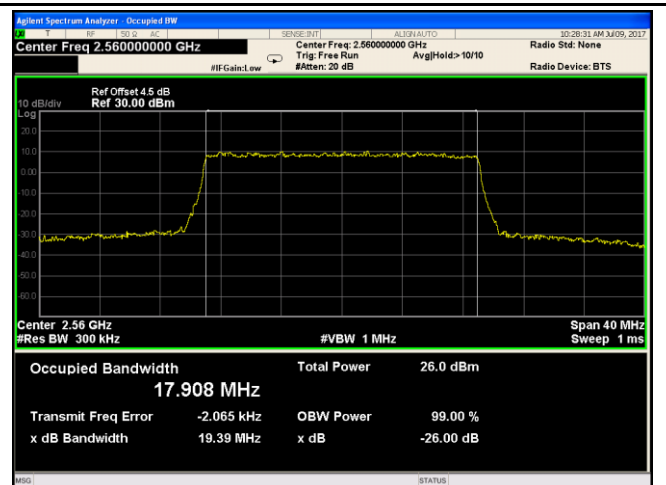
LTE band VII - Middle CH QPSK-20



LTE band VII - Middle CH 16QAM-20

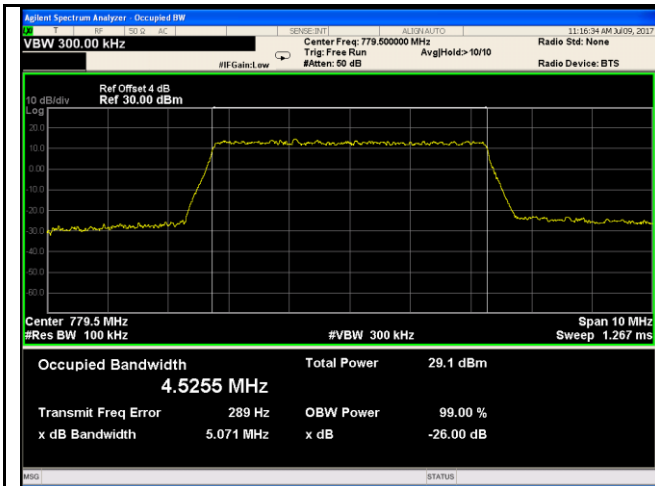


LTE band VII - High CH QPSK-20

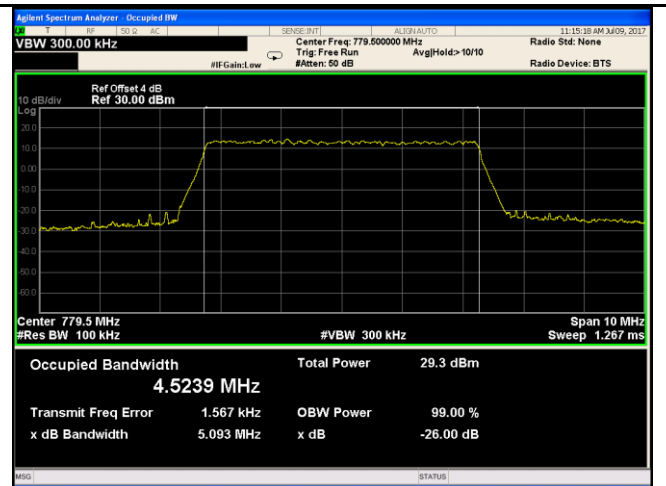


LTE band VII - High CH 16QAM-20

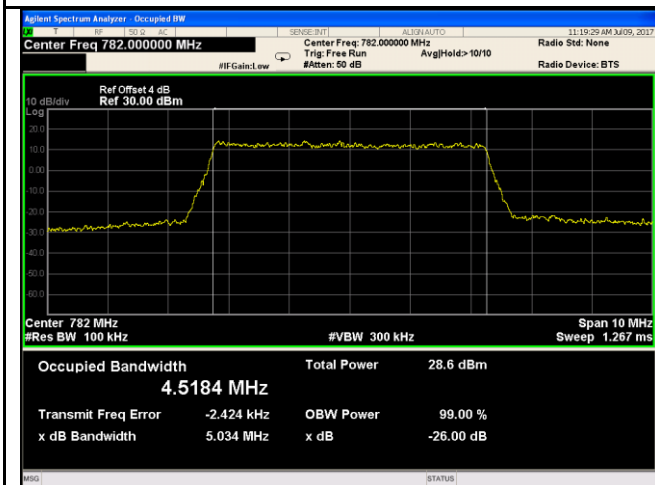
LTE band XIII (Part 27)



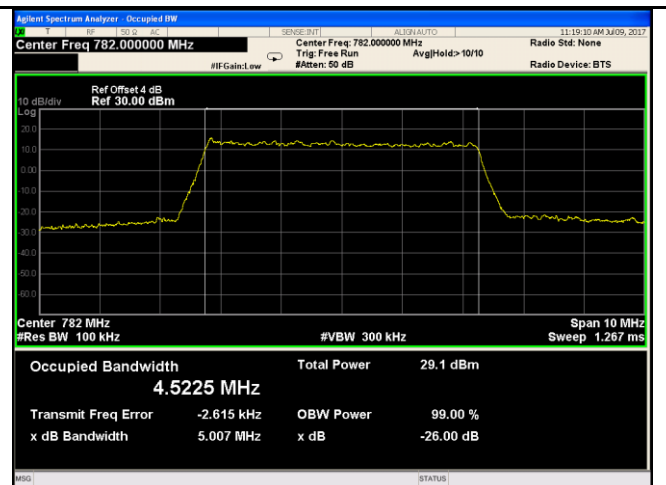
LTE band XIII - Low CH QPSK-5



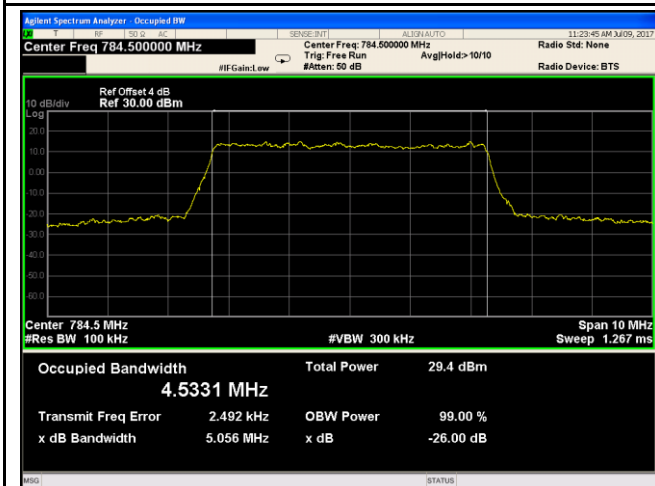
LTE band XIII - Low CH 16QAM-5



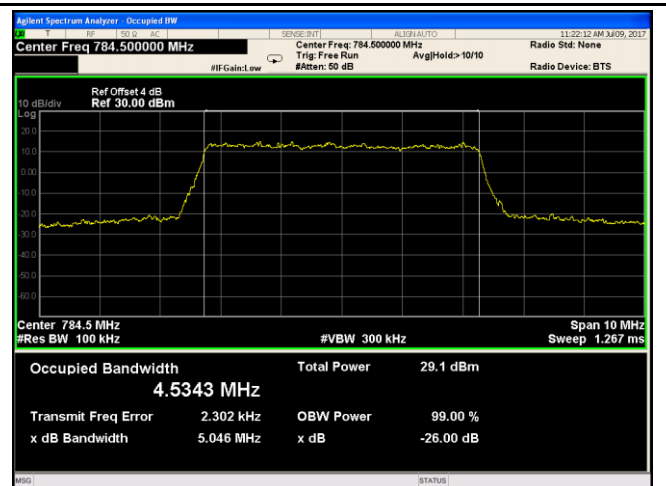
LTE band XIII - Middle CH QPSK-5



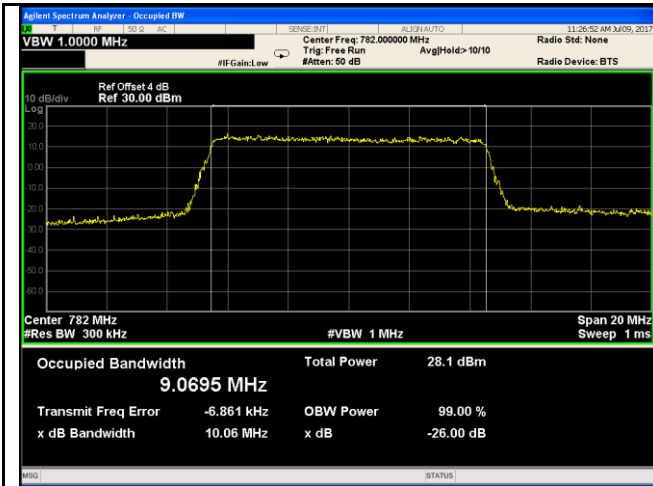
LTE band XIII - Middle CH 16QAM-5



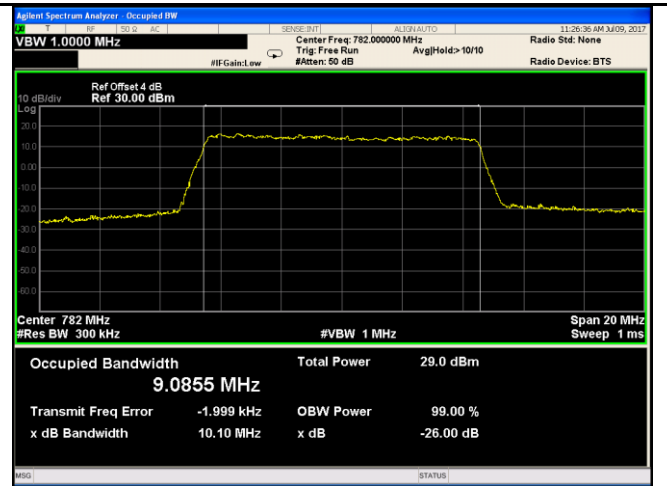
LTE band XIII - High CH QPSK-5



LTE band XIII - High CH 16QAM-5



LTE band XIII - Low CH QPSK-10

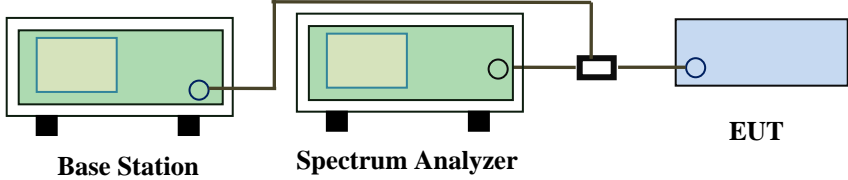


LTE band XIII - Low CH 16QAM-10

6.5 Spurious Emissions at Antenna Terminals

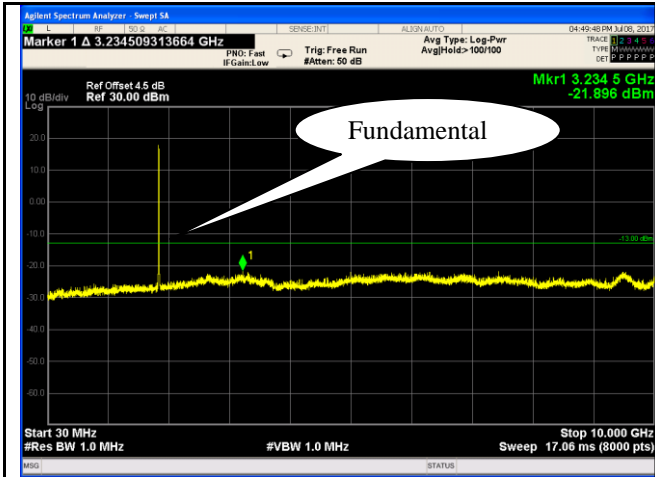
Temperature	25°C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	July 10, 2017
Tested By :	Loren Luo

Requirement(s):

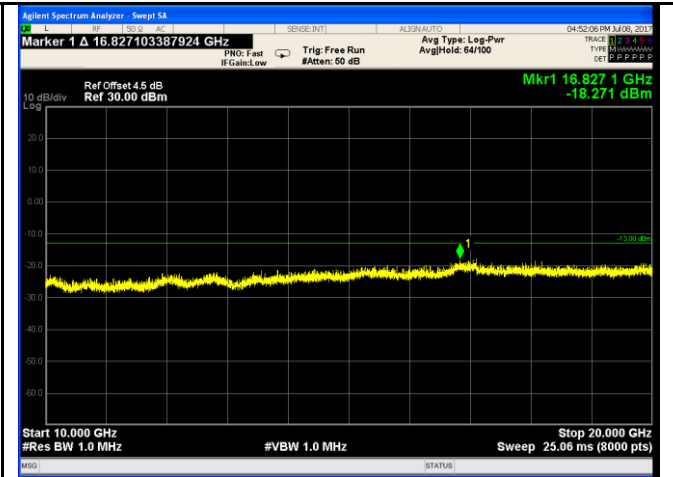
Spec	Item	Requirement	Applicable
§2.1051, §22.917(a)& §24.238(a) § 27.53(h)	a)	The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log(P)$ dB	<input checked="" type="checkbox"/>
Test Setup	 <p style="text-align: center;">Base Station Spectrum Analyzer EUT</p>		
Test Procedure	<ul style="list-style-type: none"> - The EUT was connected to Spectrum Analyzer and Base Station via power divider. - The Band Edges of low and high channels for the highest RF powers were measured. - Setting RBW as roughly BW/100. 		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

Test Data Yes N/A
 Test Plot Yes (See below) N/A

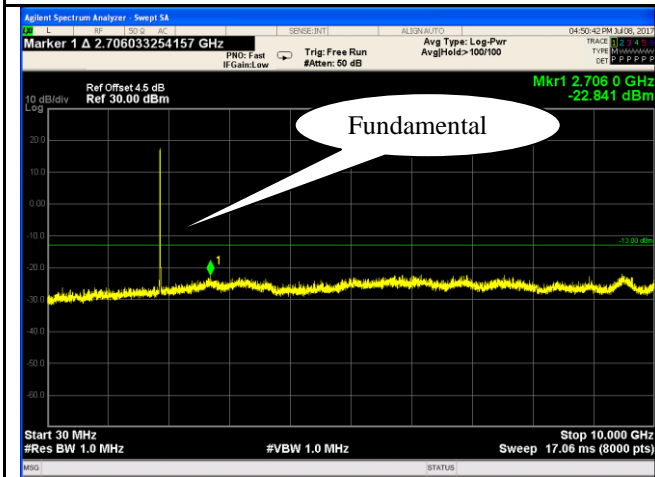
Test Plots 30MHz-5GHz
LTE band II (Part 24E)



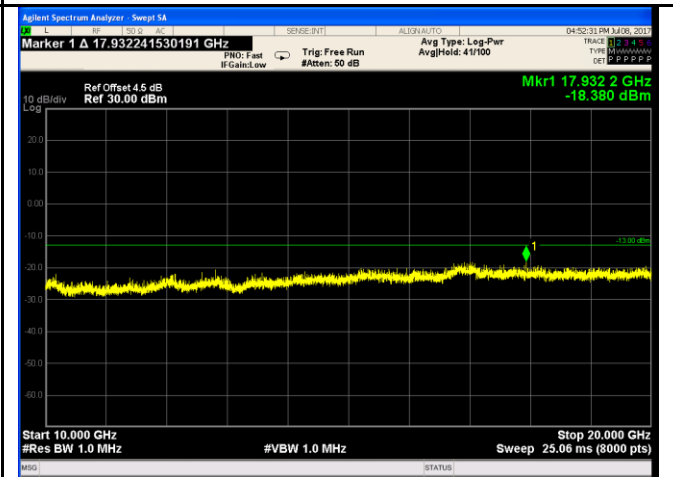
LTE band II - Low Channel-1



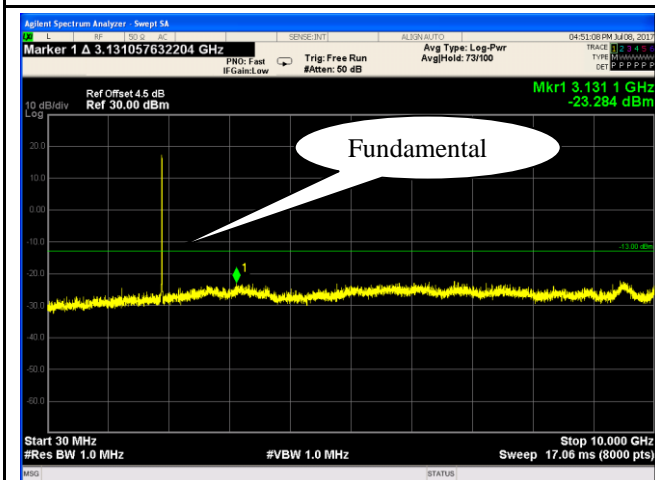
LTE band II - Low Channel-2



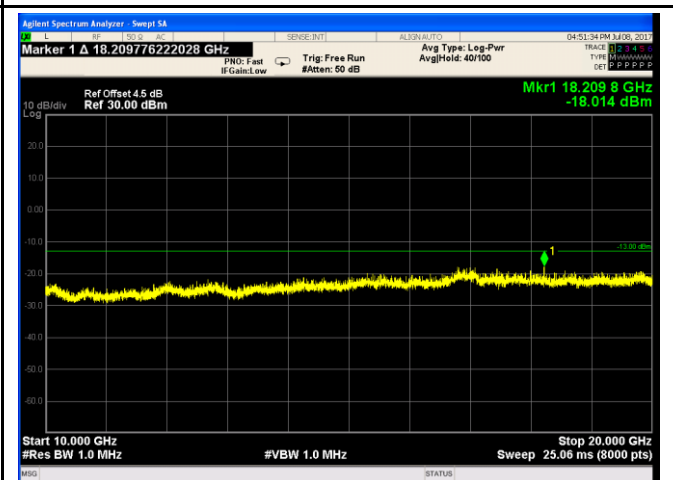
LTE band II Middle Channel-1



LTE band II Middle Channel-2

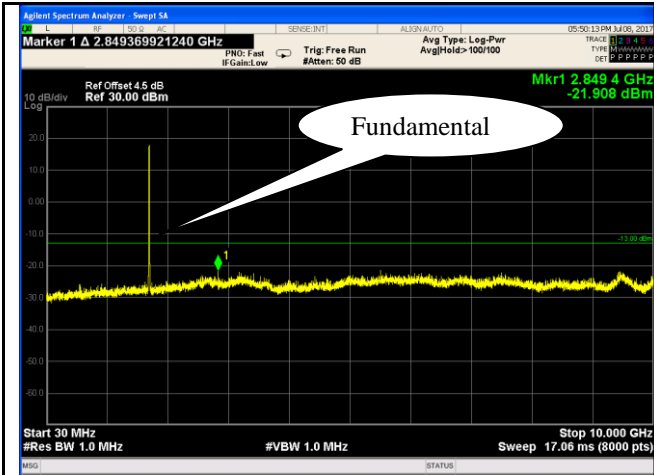


LTE band II - High Channel-1

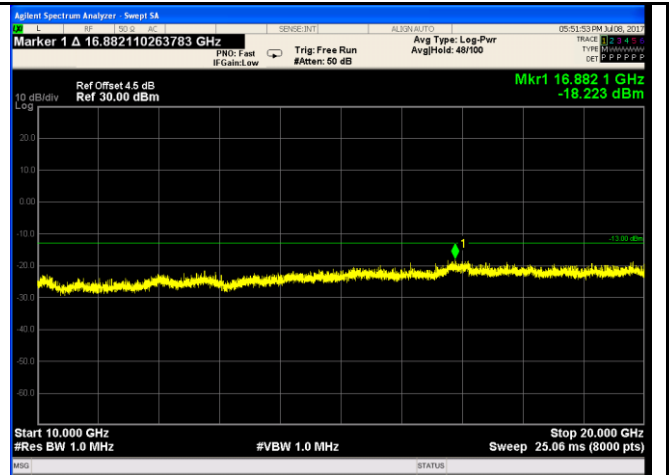


LTE band II - High Channel-2

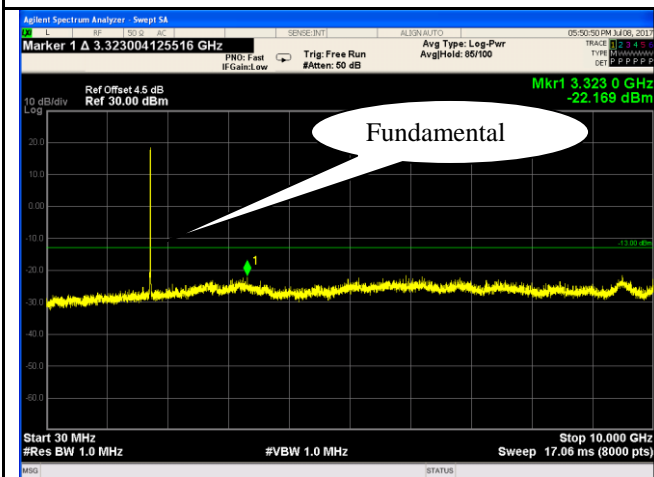
LTE band IV (Part27) result



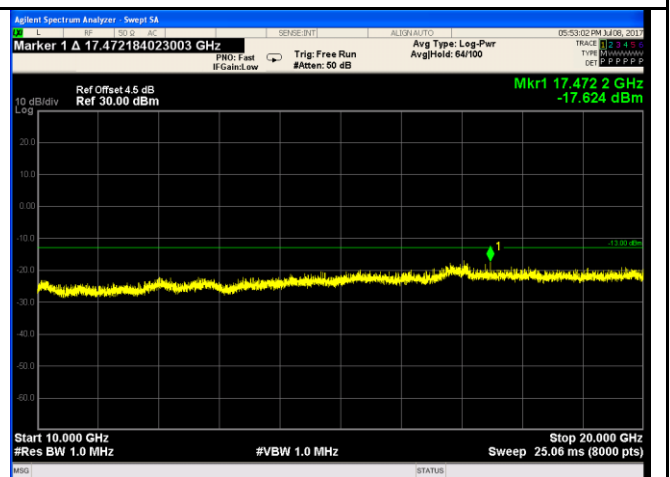
LTE band IV - Low Channel-1



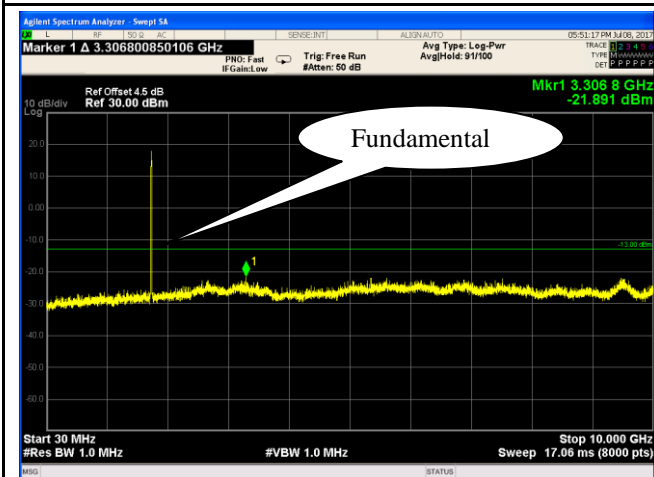
LTE band IV - Low Channel-2



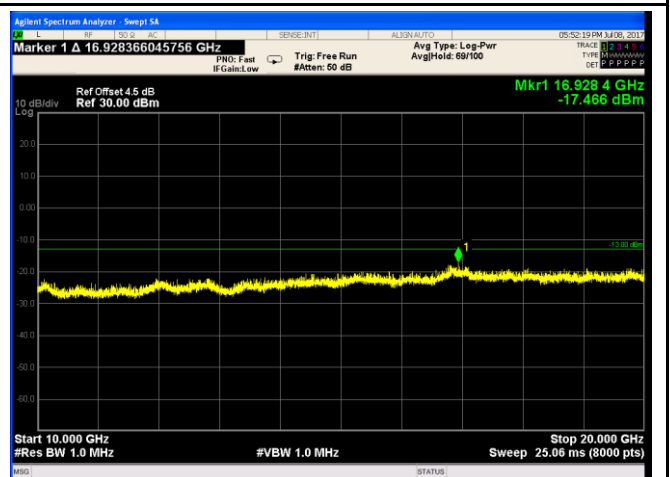
LTE band IV - Middle Channel-1



LTE band IV - Middle Channel-2

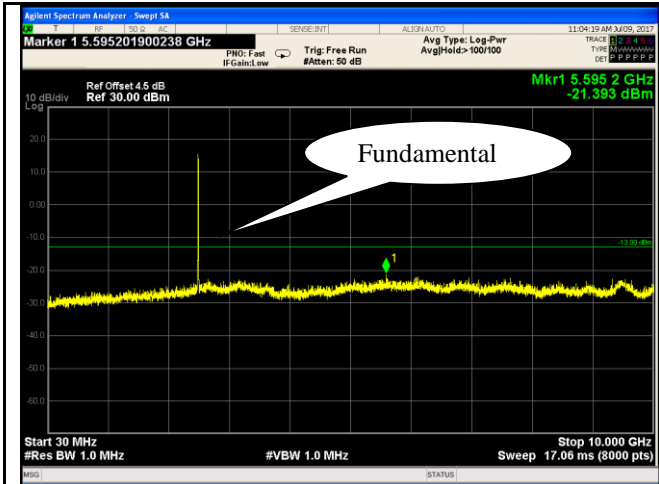


LTE band IV - High Channel-1

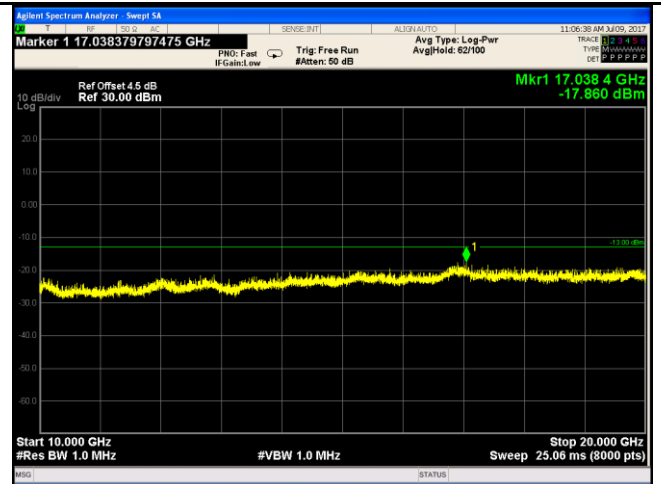


LTE band IV - High Channel-2

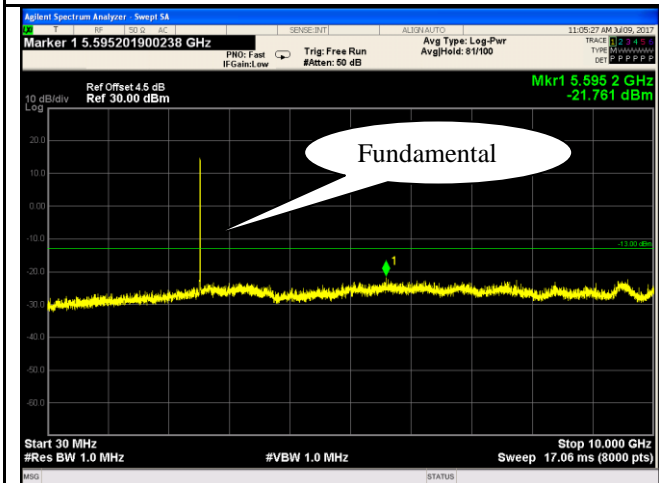
LTE band VII (Part 27)



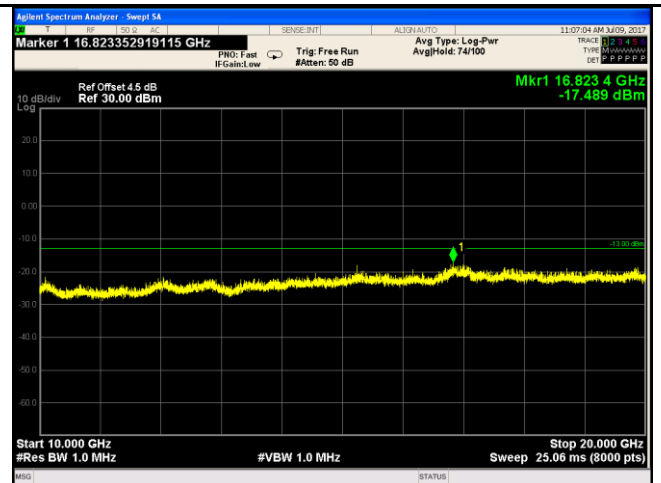
LTE band VII - Low Channel-1



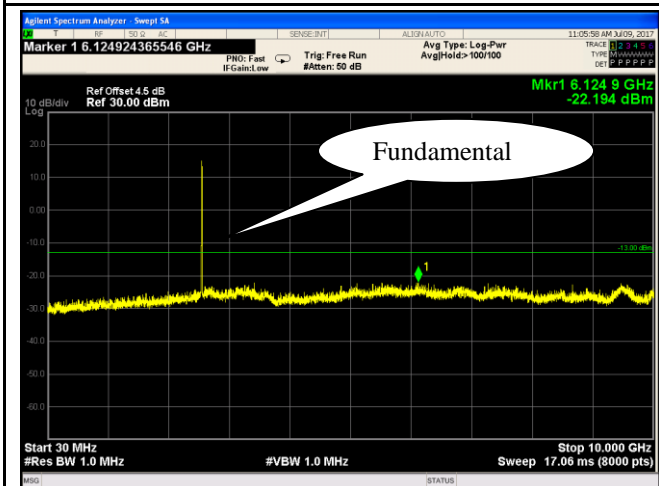
LTE band VII - Low Channel-2



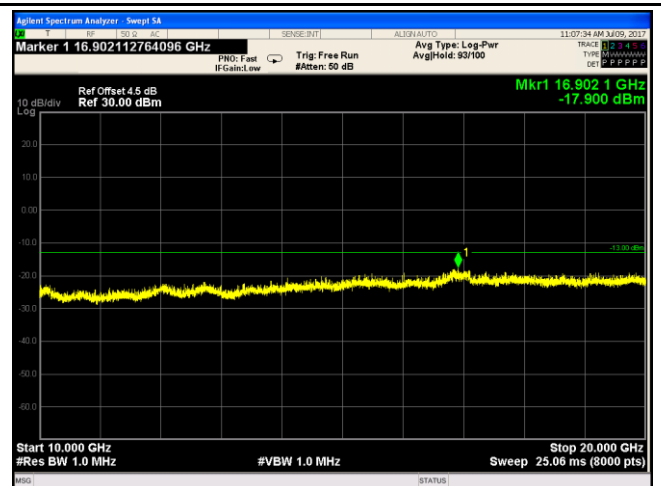
LTE band VII - Middle Channel-1



LTE band VII - Middle Channel-2

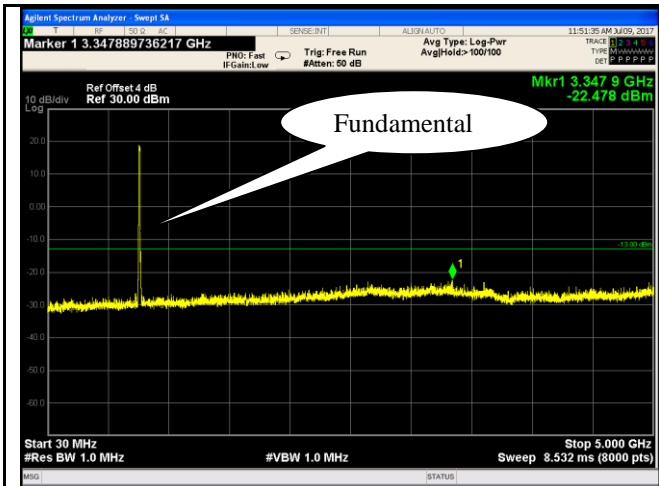


LTE band VII - High Channel-1

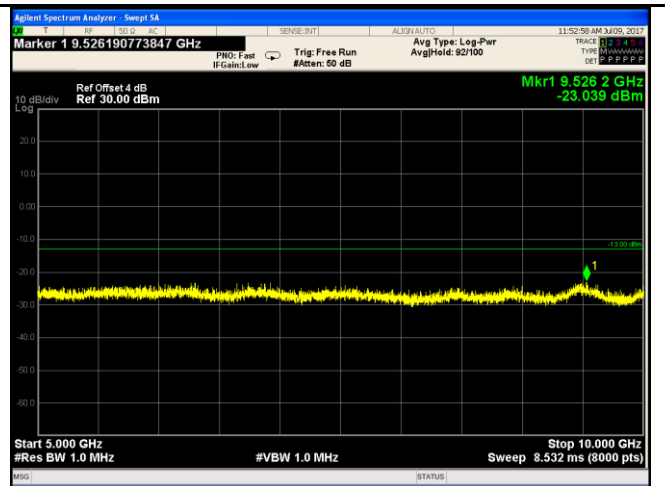


LTE band VII - High Channel-2

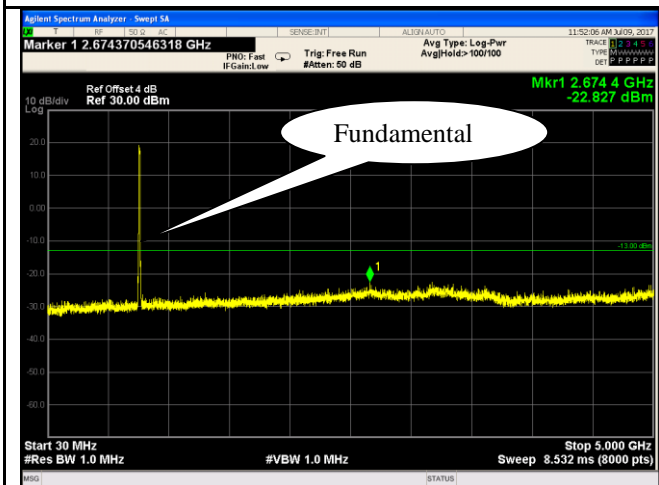
LTE band XIII (Part 27)



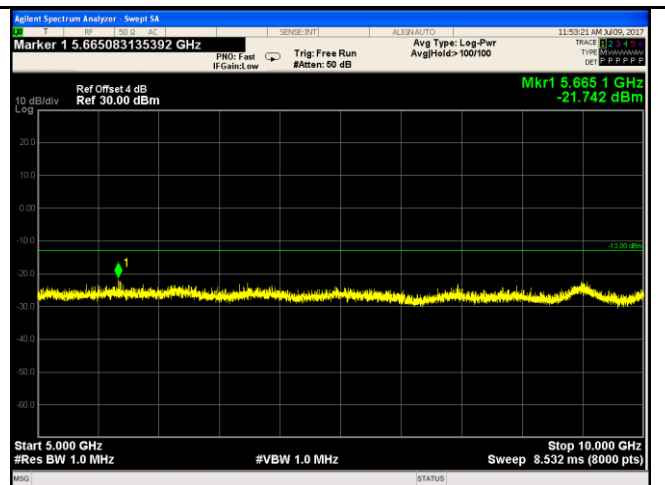
LTE band XIII - Low Channel-1



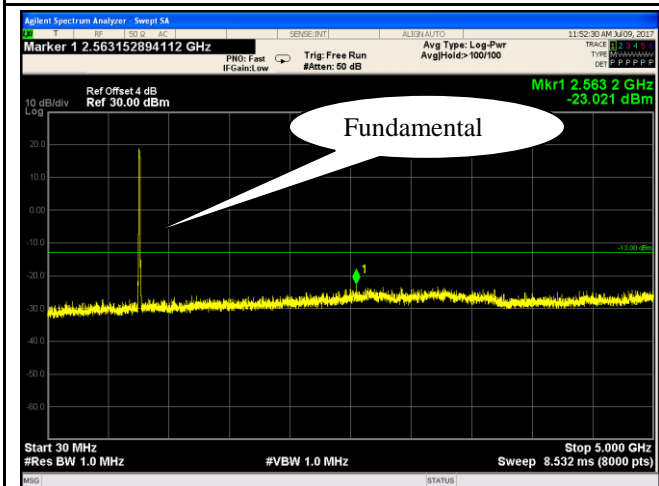
LTE band XIII - Low Channel-2



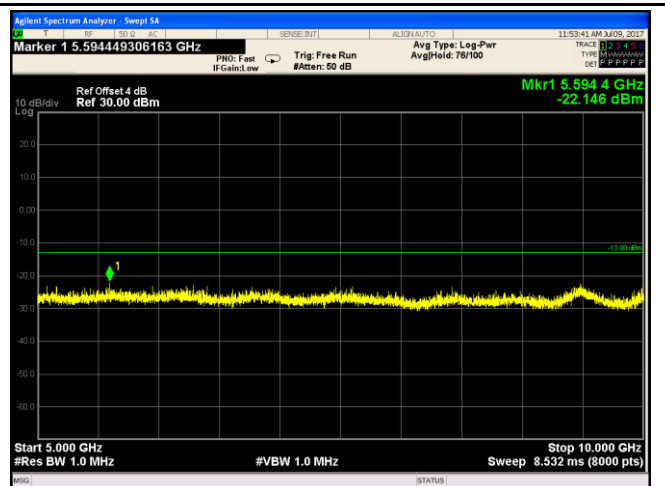
LTE band XIII - Middle Channel-1



LTE band XIII - Middle Channel-2



LTE band XIII - High Channel-1



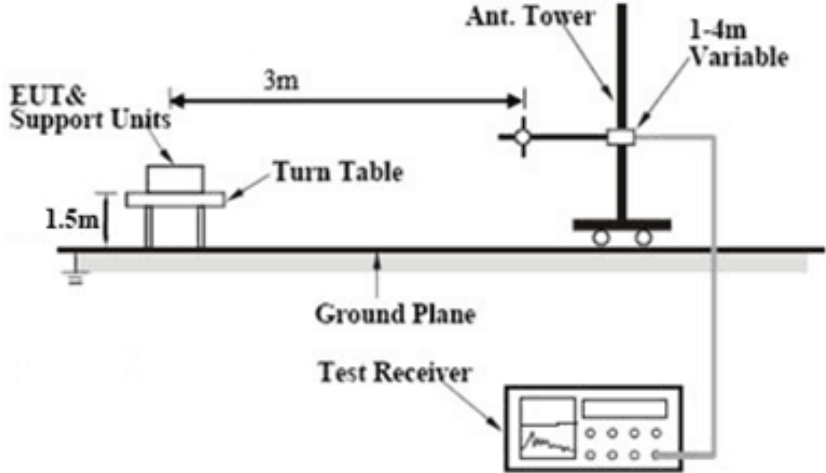
LTE band XIII - High Channel-2

6.6 Spurious Radiated Emissions

Temperature	23°C
Relative Humidity	54%
Atmospheric Pressure	1014mbar
Test date :	July 11, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§2.1053, §22.917 & §24.238 § 27.53(h)	a)	The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB. The spectrum is scanned from 30 MHz up to a frequency including its 10th harmonic.	<input checked="" type="checkbox"/>

Test setup	 <p>The diagram illustrates the test setup. On the left, a turntable is placed on a stand, with the EUT & Support Units on top. The turntable is 1.5m from a ground plane. To the right, an antenna tower is positioned 3m from the turntable. The antenna tower has a 1-4m variable antenna height. A test receiver is connected to the antenna tower.</p>
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Test Procedure	<ol style="list-style-type: none"> The transmitter was placed on a wooden turntable, and it was transmitting into a non-radiating load which was also placed on the turntable. The measurement antenna was placed at a distance of 3 meters from the EUT. During the tests, the antenna height and polarization as well as EUT azimuth were varied in order to identify the maximum level of emissions from the EUT. The test was performed by placing the EUT on 3-orthogonal axis. Remove the EUT and replace it with substitution antenna. A signal generator was connected to the substitution antenna by a non-radiating cable. The absolute levels of the spurious emissions were measured by the substitution. <p>Sample Calculation:</p> $\text{EUT Field Strength} = \text{Raw Amplitude (dB}\mu\text{V/m)} - \text{Amplifier Gain (dB)} + \text{Antenna Factor (dB)} + \text{Cable Loss (dB)} + \text{Filter Attenuation (dB, if used)}$
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Remark	
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail

Test Data Yes N/A

Test Plot Yes (See below) N/A

LTE band II (Part 24E) result

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3720	-45.81	V	10.25	2.73	-38.29	-13	-25.29
3720	-47.22	H	10.25	2.73	-39.7	-13	-26.7
47.9	-45.59	V	-4.2	0.11	-49.9	-13	-36.9
203.3	-48.88	H	4.6	0.18	-44.46	-13	-31.46

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3760	-46.93	V	10.25	2.73	-39.41	-13	-26.41
3760	-46.49	H	10.25	2.73	-38.97	-13	-25.97
48.3	-44.21	V	-4.2	0.11	-48.52	-13	-35.52
204.3	-48.35	H	4.6	0.18	-43.93	-13	-30.93

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3800	-45.4	V	10.36	2.73	-37.77	-13	-24.77
3800	-46.7	H	10.36	2.73	-39.07	-13	-26.07
46.1	-43.96	V	-4.2	0.11	-48.27	-13	-35.27
199.5	-46.14	H	4.6	0.18	-41.72	-13	-28.72

Note:

- 1, The testing has been conformed to $10 \times 1907.5 \text{ MHz} = 19,075 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and -Axis were investigated. The results above show only the worst case.

LTE band IV(Part27) result

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3440	-45.27	V	10.06	2.52	-37.73	-13	-24.73
3440	-47.71	H	10.06	2.52	-40.17	-13	-27.17
54.3	-45.81	V	-4.2	0.11	-50.12	-13	-37.12
205.6	-48.65	H	4.6	0.18	-44.23	-13	-31.23

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3465	-45.52	V	10.09	2.52	-37.95	-13	-24.95
3465	-47.18	H	10.09	2.52	-39.61	-13	-26.61
48.3	-46.96	V	-4.2	0.11	-51.27	-13	-38.27
208.3	-49.46	H	4.6	0.18	-45.04	-13	-32.04

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
3490	-45.16	V	10.09	2.52	-37.59	-13	-24.59
3490	-47.32	H	10.09	2.52	-39.75	-13	-26.75
50.9	-46.13	V	-4.2	0.11	-50.44	-13	-37.44
199.3	-48.42	H	4.6	0.18	-44	-13	-31

Note:

- 1, The testing has been conformed to $10 \times 1752.5 \text{ MHz} = 17,525 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and -Axis were investigated. The results above show only the worst case.

LTE band VII(Part27) result

Low channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
5020	-48.44	V	10.29	0.98	-39.13	-13	-26.13
5020	-47.14	H	10.29	0.98	-37.83	-13	-24.83
52.2	-46.36	V	-4.2	0.11	-50.67	-13	-37.67
201.8	-48.59	H	4.6	0.18	-44.17	-13	-31.17

Middle channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
5070	-47.37	V	10.3	0.99	-38.06	-13	-25.06
5070	-47.06	H	10.3	0.99	-37.75	-13	-24.75
51.9	-46.44	V	-4.2	0.11	-50.75	-13	-37.75
199.5	-48.92	H	4.6	0.18	-44.5	-13	-31.50

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
5120	-47.54	V	10.32	1	-38.22	-13	-25.22
5120	-48.97	H	10.32	1	-39.65	-13	-26.65
50.2	-45.23	V	-4.2	0.11	-49.54	-13	-36.54
204.5	-47.56	H	4.6	0.18	-43.14	-13	-30.14

Note:

- 1, The testing has been conformed to $10 \times 2567.5 \text{ MHz} = 25,675 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and -Axis were investigated. The results above show only the worst case.

LTE band XIII(Part27) result

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
1564	-48.74	V	6.4	0.64	-42.98	-13	-29.98
1564	-46.78	H	6.4	0.64	-41.02	-13	-28.02
585.7	-55.98	V	6.1	0.37	-50.25	-13	-37.25
859.8	-51.4	H	6.2	0.44	-45.64	-13	-32.64

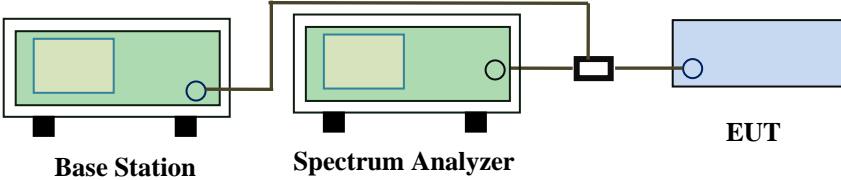
Note:

- 1, The testing has been conformed to $10 \times 784.5 \text{ MHz} = 7,845 \text{ MHz}$
- 2, All other emissions more than 30 dB below the limit
- 3, X-Axis, Y-Axis and Z-Axis were investigated. The results above show only the worst case.

6.7 Band Edge

Temperature	25°C
Relative Humidity	55%
Atmospheric Pressure	1012mbar
Test date :	July 10, 2017
Tested By :	Loren Luo

Requirement(s):

Spec	Item	Requirement	Applicable
§22.917(a) §24.238(a) § 27.53(h)	a)	The power of any emission outside of the authorized operating frequency ranges must be lower than the transmitter power (P) by a factor of at least $43 + 10 \log (P)$ dB.	<input checked="" type="checkbox"/>
Test setup	 <p>The diagram shows a Base Station (green box) connected to a Spectrum Analyzer (green box) and an EUT (blue box) via a power divider (black box). The Base Station and Spectrum Analyzer are connected to the power divider, which then splits the signal to the EUT.</p>		
Procedure	<ul style="list-style-type: none"> - The EUT was connected to Spectrum Analyzer and Base Station via power divider. - The Band Edges of low and high channels for the highest RF powers were measured. Setting RBW as roughly BW/100. 		
Remark			
Result	<input checked="" type="checkbox"/> Pass <input type="checkbox"/> Fail		

Test Data Yes N/A

Test Plot Yes (See below) N/A

LTE band II (Part 24E) result

BW(MHz)	Channel	Frequency (MHz)	Mode	Emission (dBm)	Limit (dBm)
1.4	18607	1850	QPSK	-25.241	-13
			16QAM	-25.978	-13
1.4	18900	1910	QPSK	-26.488	-13
			16QAM	-25.837	-13
3	18615	1850	QPSK	-23.325	-13
			16QAM	-22.536	-13
3	19185	1910	QPSK	-21.436	-13
			16QAM	-21.551	-13
5	18625	1850	QPSK	-21.456	-13
			16QAM	-21.469	-13
5	19175	1910	QPSK	-19.490	-13
			16QAM	-19.419	-13
10	18650	1850	QPSK	-22.305	-13
			16QAM	-20.094	-13
10	19150	1910	QPSK	-20.592	-13
			16QAM	-20.308	-13
15	18675	1850	QPSK	-23.418	-13
			16QAM	-24.928	-13
15	19125	1910	QPSK	-22.142	-13
			16QAM	-21.517	-13
20	18700	1848	QPSK	-24.494	-13
			16QAM	-23.459	-13
20	19100	1911	QPSK	-24.779	-13
			16QAM	-24.313	-13

LTE band IV (Part 27) result

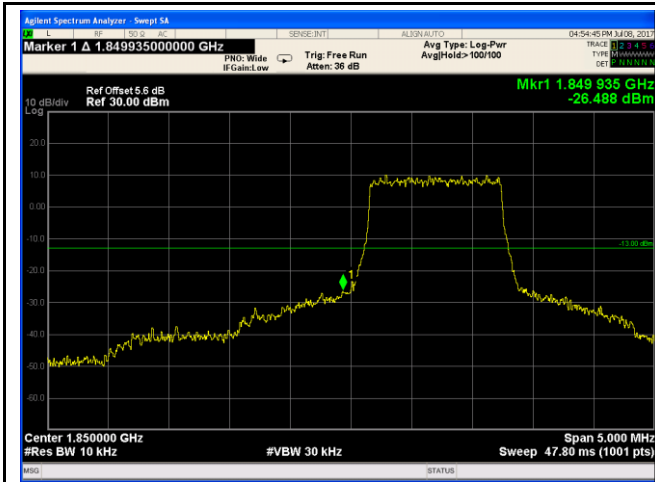
BW(MHz)	Channel	Frequency (MHz)	Mode	Emission (dBm)	Limit (dBm)
1.4	19957	1710	QPSK	-25.448	-13
			16QAM	-25.844	-13
1.4	20393	1755	QPSK	-25.865	-13
			16QAM	-26.056	-13
3	19965	1710	QPSK	-20.201	-13
			16QAM	-20.781	-13
3	20385	1755	QPSK	-22.282	-13
			16QAM	-22.729	-13
5	19975	1710	QPSK	-20.156	-13
			16QAM	-18.328	-13
5	20375	1755	QPSK	-19.728	-13
			16QAM	-20.043	-13
10	20000	1710	QPSK	-19.953	-13
			16QAM	-19.887	-13
10	20350	1755	QPSK	-19.339	-13
			16QAM	-20.596	-13
15	20025	1710	QPSK	-21.063	-13
			16QAM	-19.786	-13
15	20325	1755	QPSK	-22.129	-13
			16QAM	-20.498	-13
20	20050	1710	QPSK	-25.887	-13
			16QAM	-25.112	-13
20	20300	1755	QPSK	-25.520	-13
			16QAM	-24.035	-13

LTE band XIII (Part 27) result

BW(MHz)	Channel	Frequency (MHz)	Mode	Emission (dBm)	Limit (dBm)
5	23205	777	QPSK	-16.743	-13
			16QAM	-16.265	-13
5	23255	787	QPSK	-18.555	-13
			16QAM	-18.029	-13
10	23230	703.9	QPSK	-15.958	-13
			16QAM	-16.787	-13
10	23230	787	QPSK	-17.504	-13
			16QAM	-17.531	-13

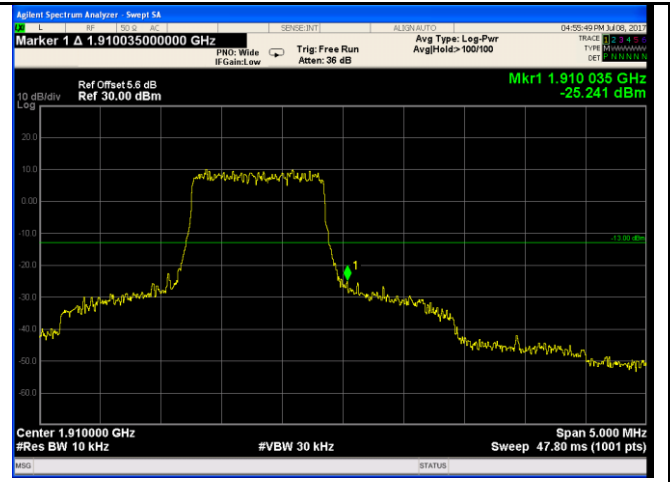
Test Plots

LTE band II (Part 24E)



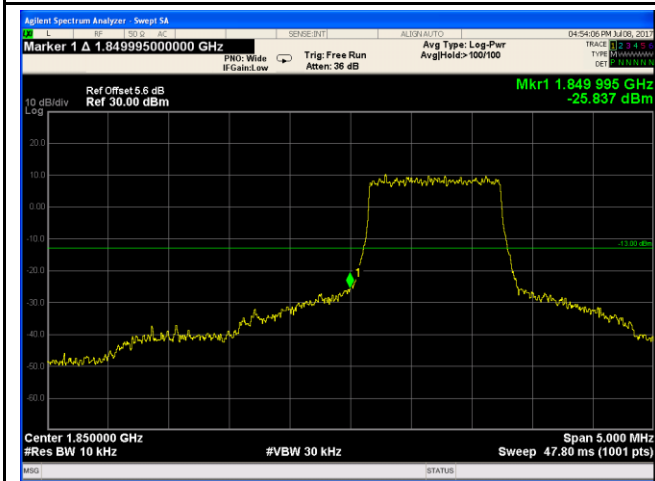
LTE band II - Low Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log
 $(12.86/10)=4.5+1.1=5.6\text{dB}$



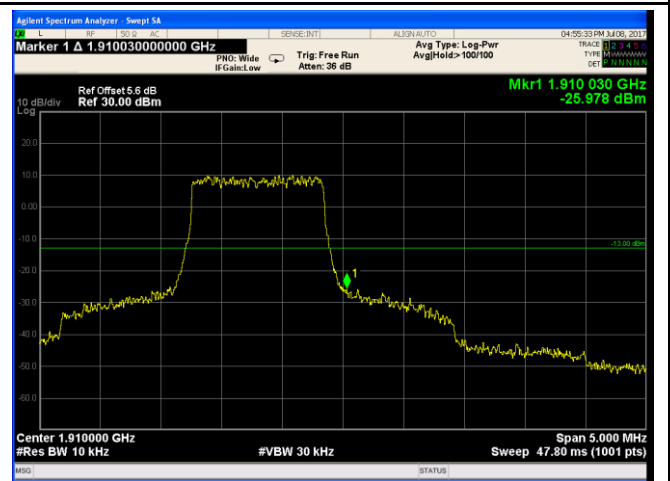
LTE band II - High Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log
 $(12.79/10)=4.5+1.1=5.6\text{dB}$



LTE band II - Low Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log
 $(12.83/10)=4.5+1.1=5.6\text{ dB}$



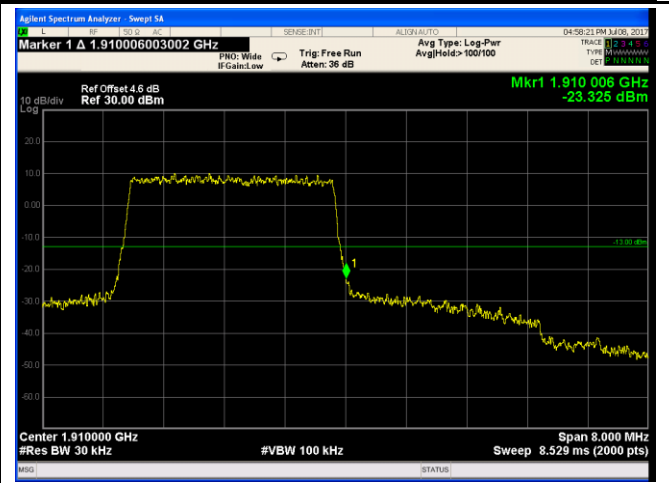
LTE band II - High Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log
 $(12.81/10)=4.5+1.1=5.6\text{ dB}$



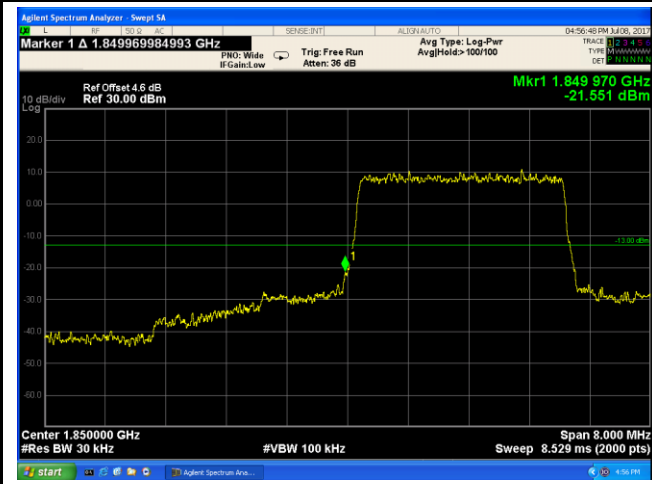
LTE band II - Low Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.42/30)=4.5+0.1=4.6$ dB



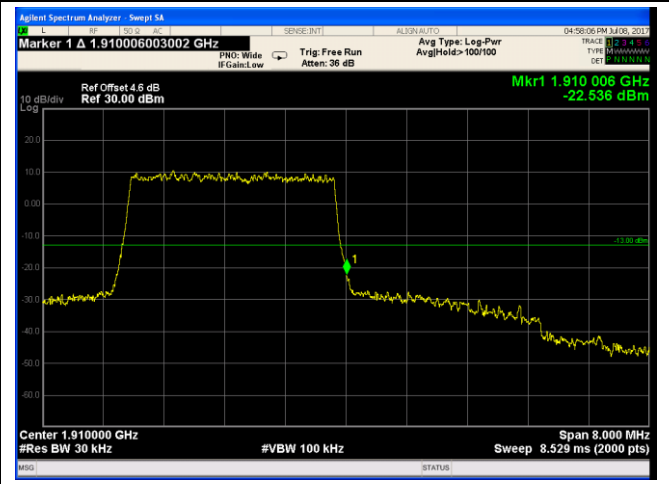
LTE band II - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.56/30)=4.5+0.1=4.6$ dB



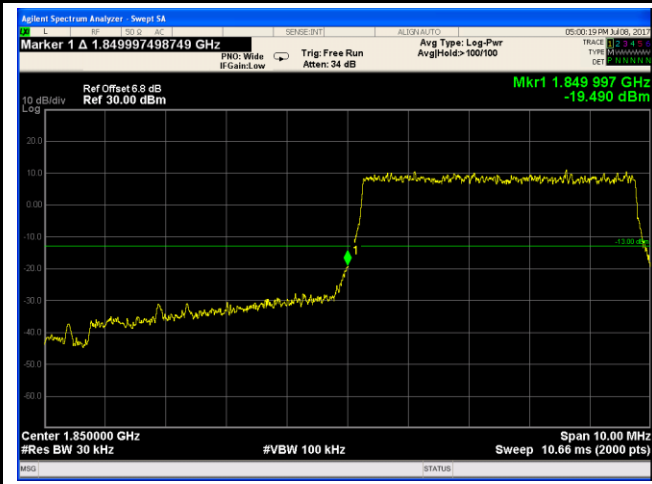
LTE band II - Low Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.57/30)=4.5+0.1=4.6$ dB

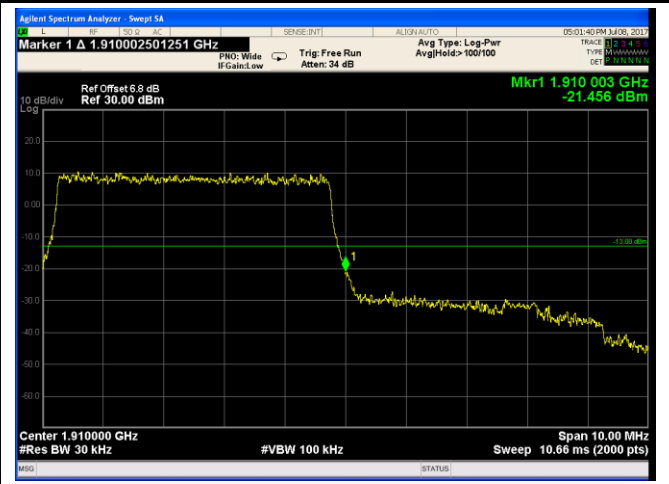


LTE band II - High Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.46/30)=4.5+0.1=4.6$ dB

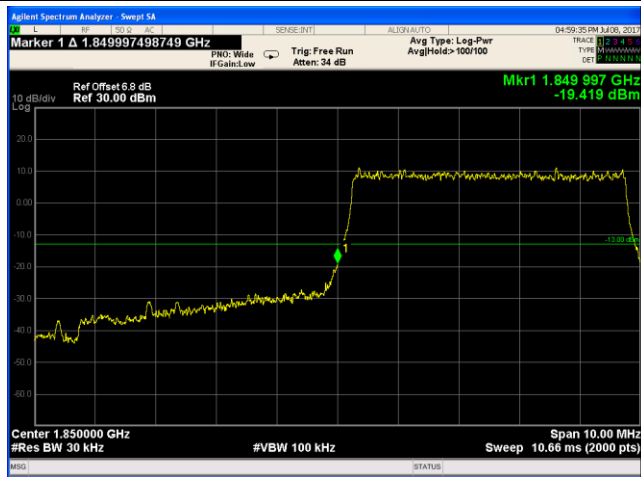


LTE band II - Low Channel QPSK-5



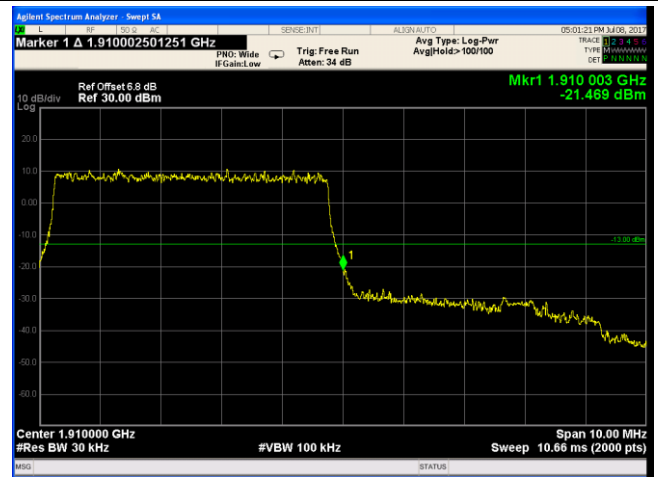
LTE band II - High Channel QPSK-5

Note: Offset=Cable loss (4.5) + 10log
 (50.63/30)=4.5+2.3=6.8 dB



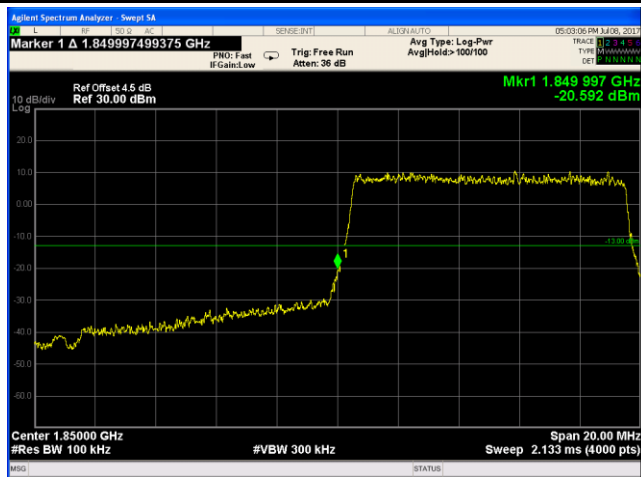
LTE band II - Low Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log
 (50.47/30)=4.5+2.3=6.8 dB



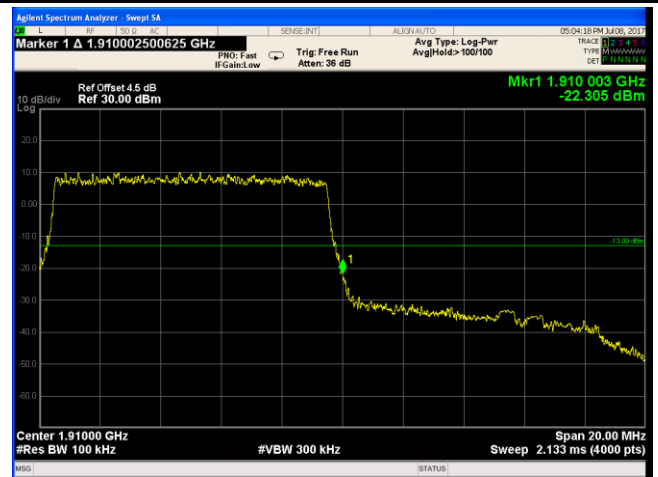
LTE band II - High Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log
 (50.56/30)=4.5+2.3=6.8 dB

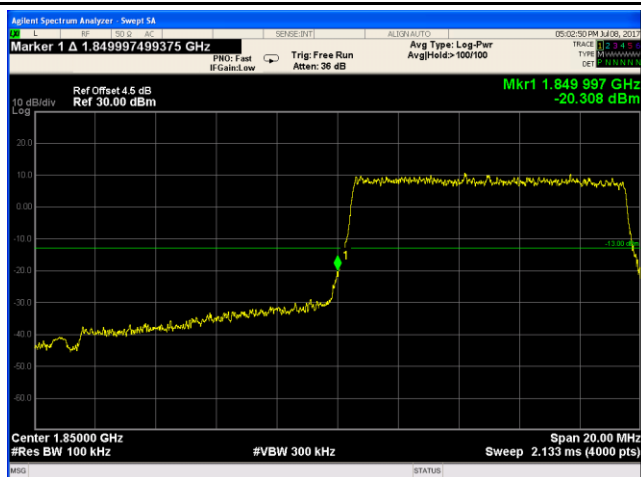


LTE band II - Low Channel QPSK-10

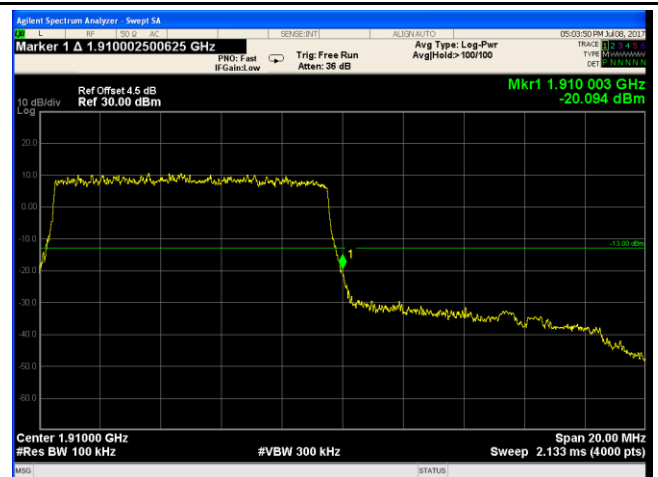
Note: Offset=Cable loss (4.5) + 10log
 (50.53/30)=4.5+2.3=6.8 dB



LTE band II - High Channel QPSK-10

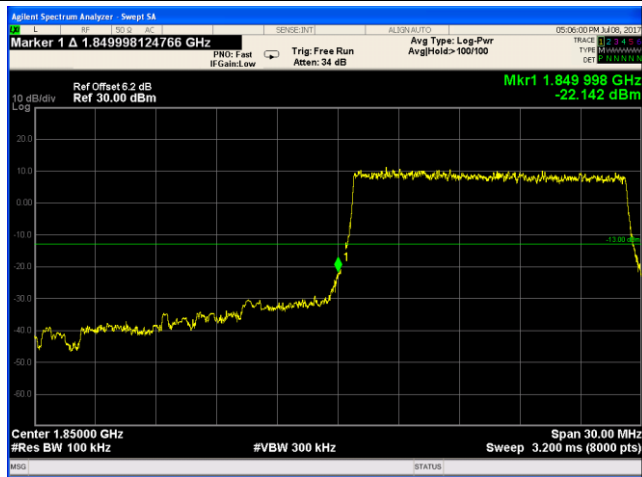


LTE band II - Low Channel 16QAM-10



LTE band II - High Channel 16QAM-10

Note: Offset=Cable loss (4.5) + 10log
(100/100)=4.5+0.0=4.5 dB



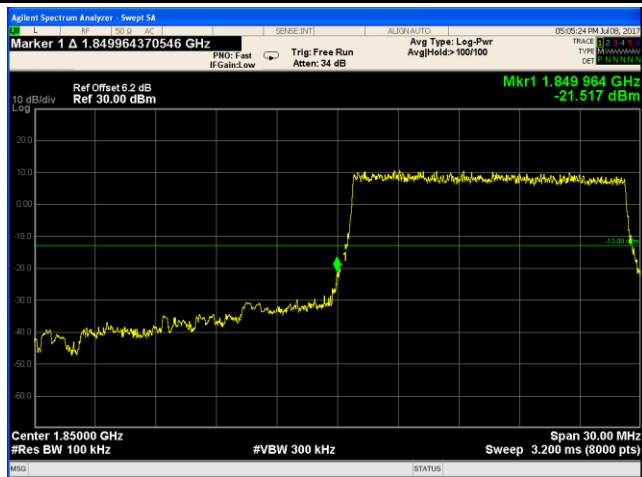
LTE band II - Low Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log
(101/100)=4.5+0.0=4.5 dB



LTE band II - High Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log
(148/100)=4.5+1.7=6.2 dB



LTE band II - Low Channel 16QAM-15

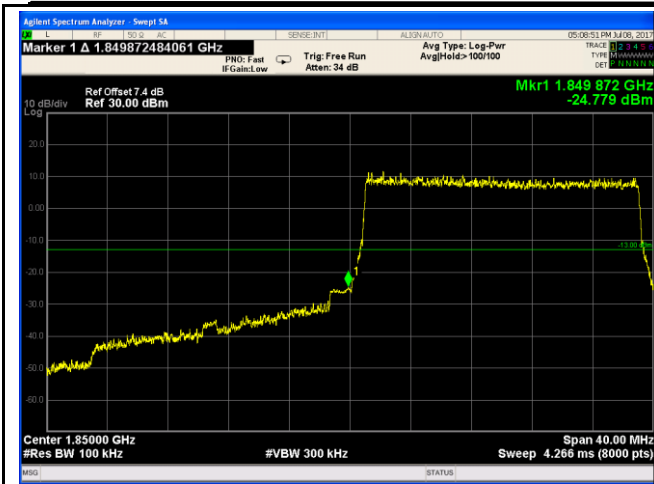
Note: Offset=Cable loss (4.5) + 10log
(149/100)=4.5+1.7=6.2 dB



LTE band II - High Channel 16QAM-15

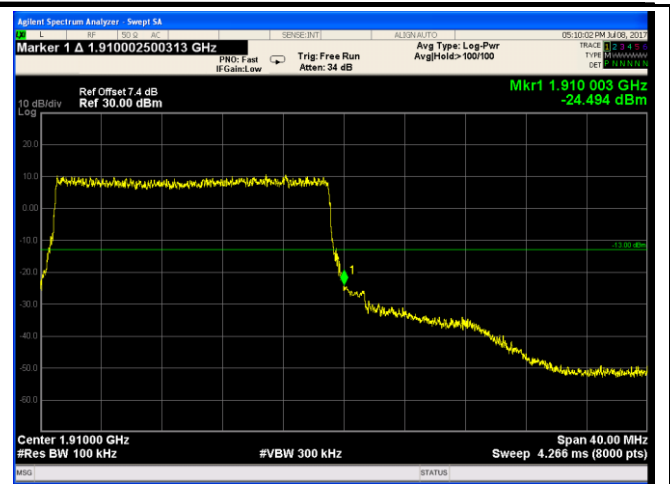
Note: Offset=Cable loss (4.5) + 10log
(148/100)=4.5+1.7=6.2 dB

Note: Offset=Cable loss (4.5) + 10log
(149/100)=4.5+1.7=6.2 dB



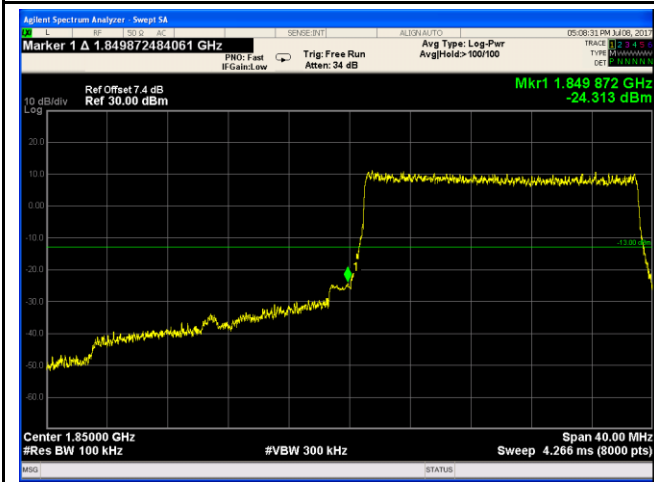
LTE band II - Low Channel QPSK-20

Note: Offset=Cable loss (4.5) + 10log
(195/100)=4.5+2.9=7.4 dB



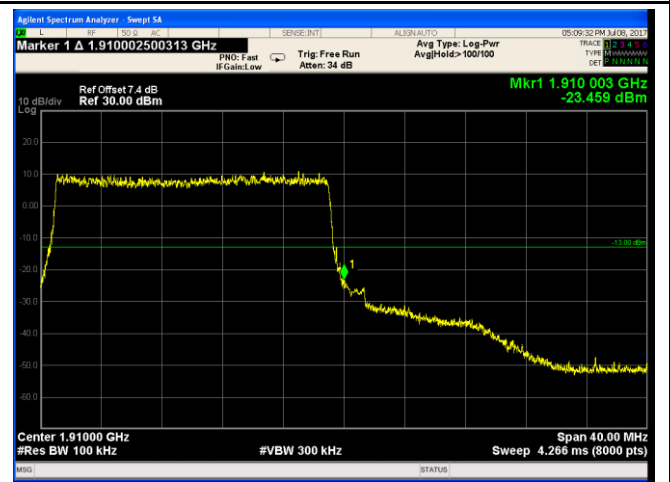
LTE band II - High Channel QPSK-20

Note: Offset=Cable loss (4.5) + 10log
(194/100)=4.5+2.9=7.4 dB



LTE band II - Low Channel 16QAM-20

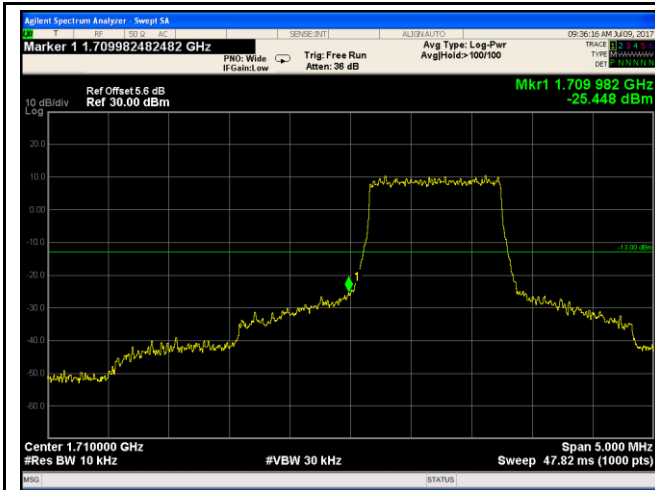
Note: Offset=Cable loss (4.5) + 10log
(194/100)=4.5+2.9=7.4 dB



LTE band II - High Channel 16QAM-20

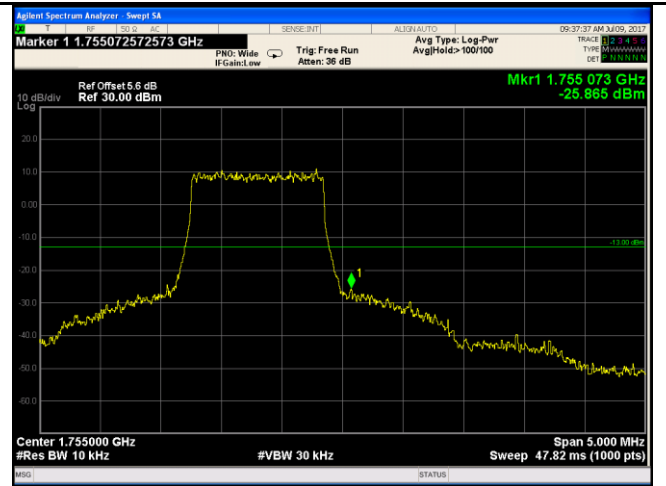
Note: Offset=Cable loss (4.5) + 10log
(194/100)=4.5+2.9=7.4 dB

LTE band IV (Part 27)



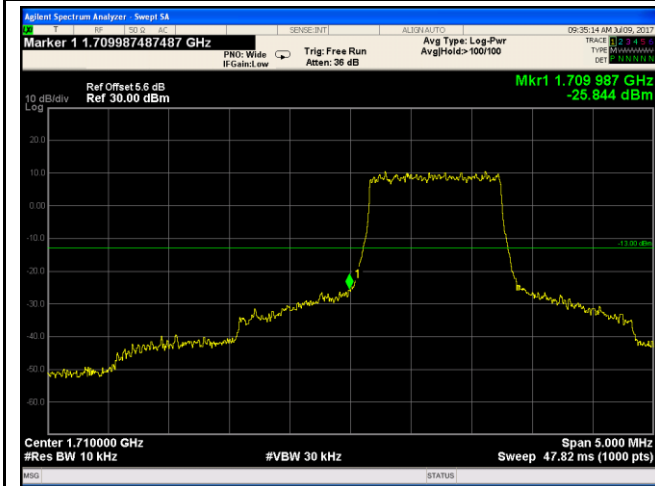
LTE band IV - Low Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log
(12.82/10)=4.5+1.1=5.6 dB



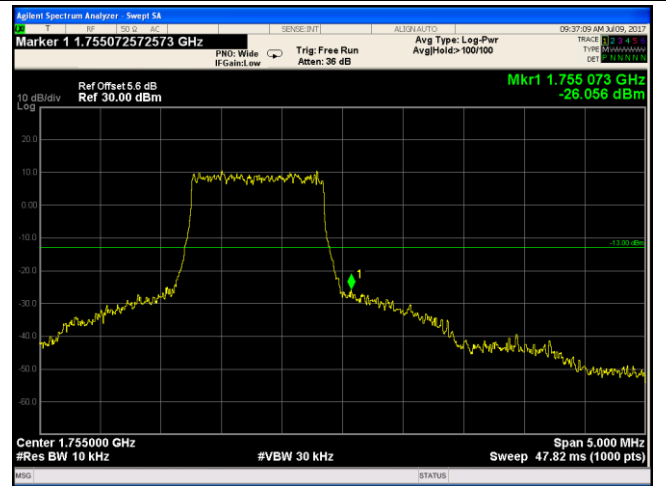
LTE band IV - High Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log
(12.81/10)=4.5+1.1=5.6 dB



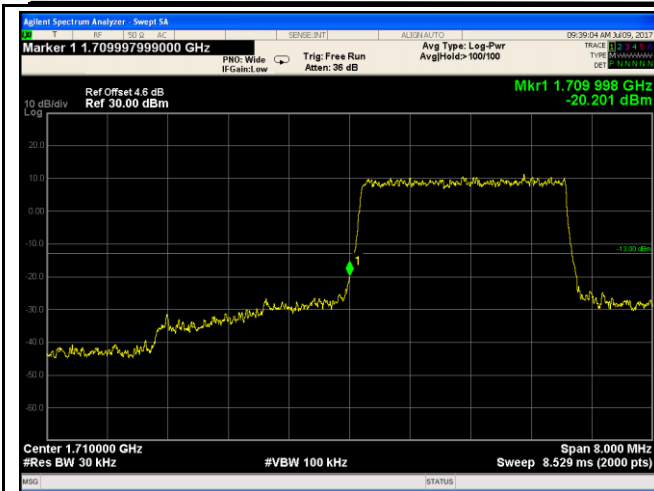
LTE band IV - Low Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log
(12.80/10)=4.5+1.1=5.6 dB



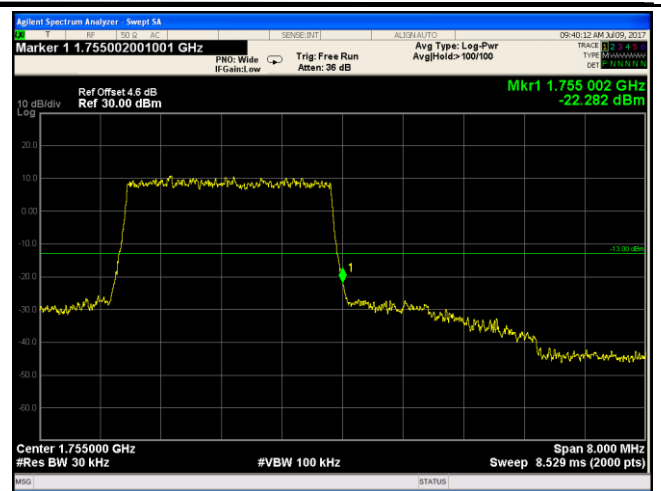
LTE band IV - High Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log
((12.76/10)=4.5+1.1=5.6 dB



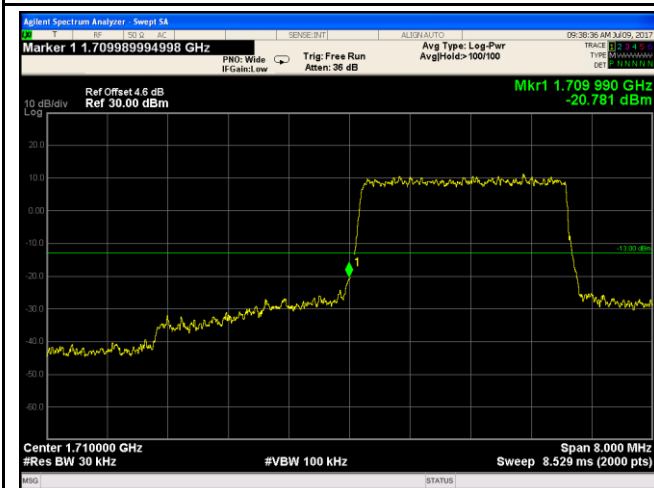
LTE band IV - Low Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log
(30.49/30)=4.5+0.1=4.6 dB



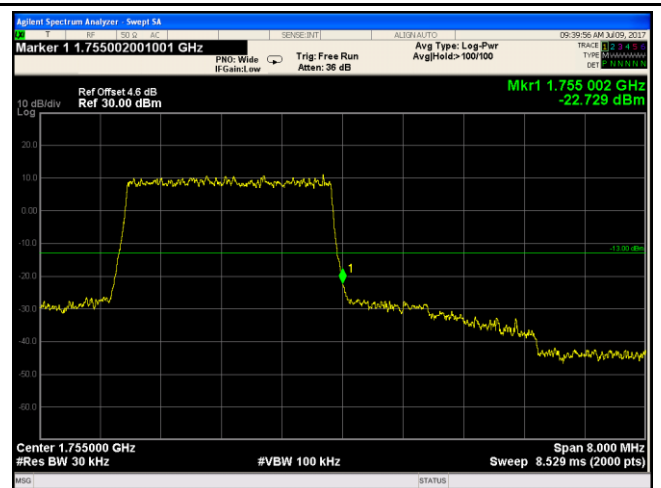
LTE band IV - High Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log
(30.58/30)=4.5+0.1=4.6 dB



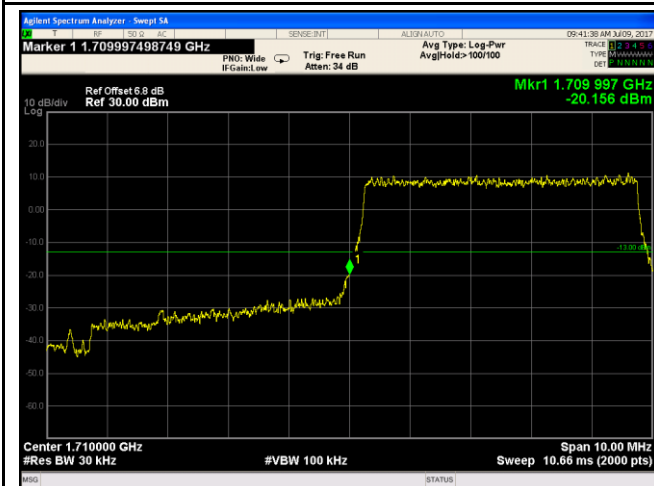
LTE band IV - Low Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log
(30.51/30)=4.5+0.1=4.6 dB



LTE band IV - High Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log
(30.56/30)=4.5+0.1=4.6 dB

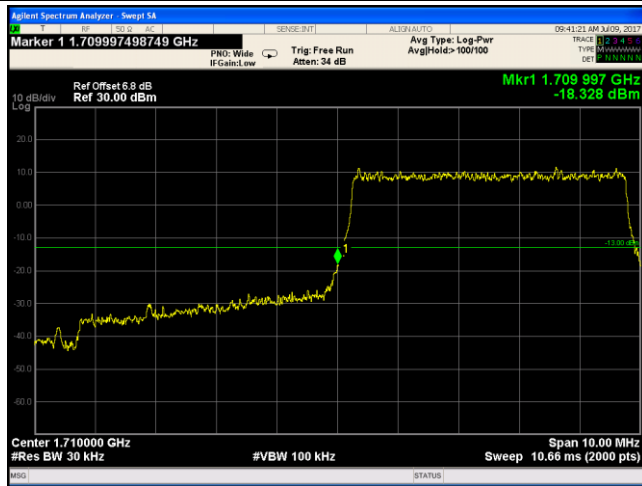


LTE band IV - Low Channel QPSK-5



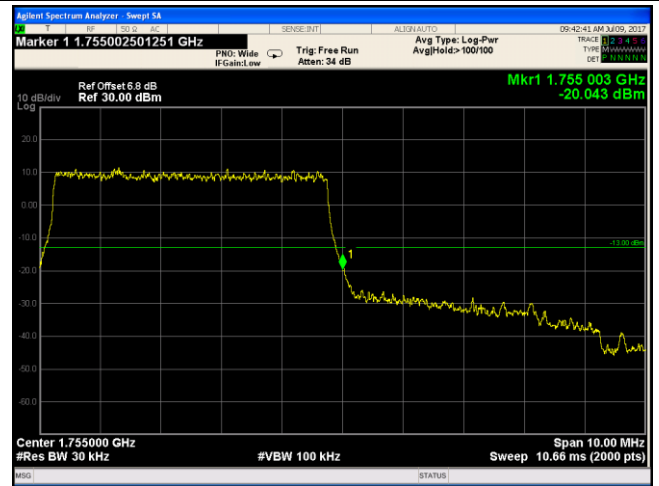
LTE band IV - High Channel QPSK-5

Note: Offset=Cable loss (4.5) + 10log
(50.95/30)=4.5+2.3=6.8 dB



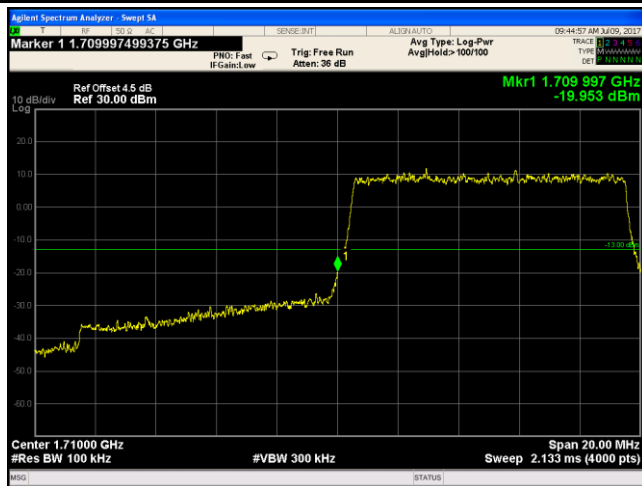
LTE band IV - Low Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log
(50.65/30)=4.5+2.3=6.8 dB



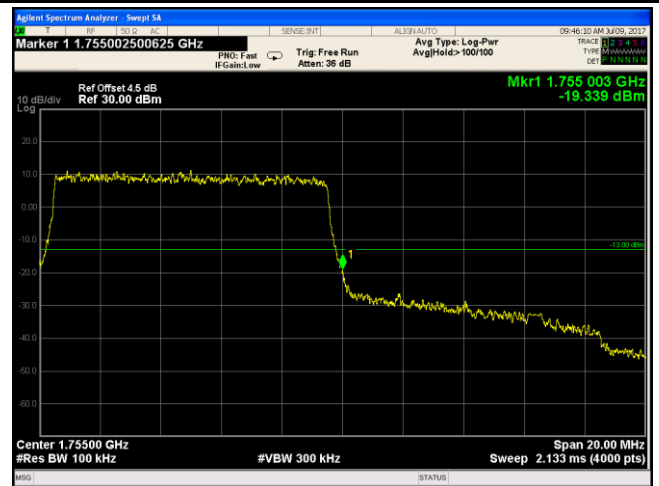
LTE band IV - High Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log
(50.95/30)=4.5+2.3=6.8 dB

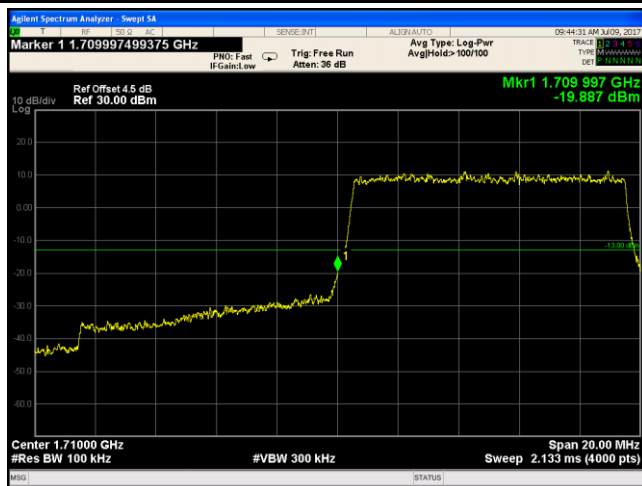


LTE band IV - Low Channel QPSK-10

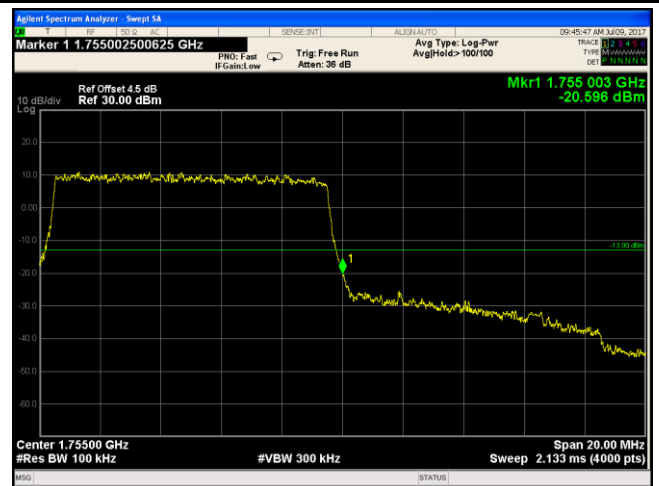
Note: Offset=Cable loss (4.5) + 10log
(50.66/30)=4.5+2.3=6.8 dB



LTE band IV - High Channel QPSK-10



LTE band IV - Low Channel 16QAM-10



LTE band IV - High Channel 16QAM-10