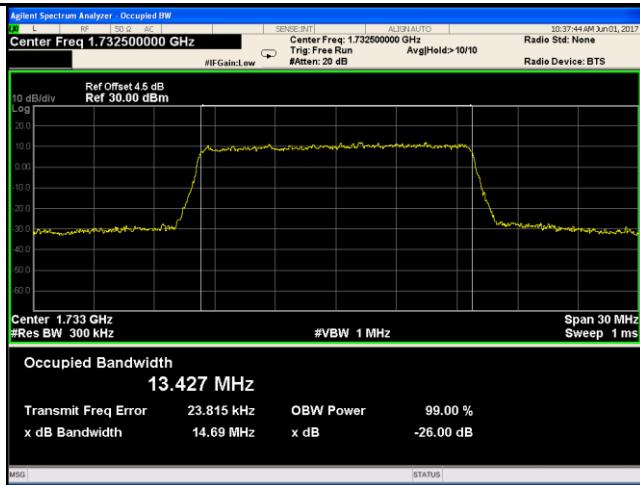
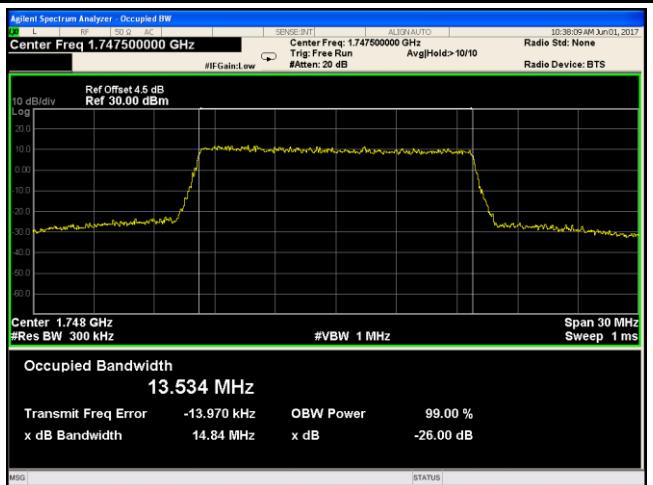
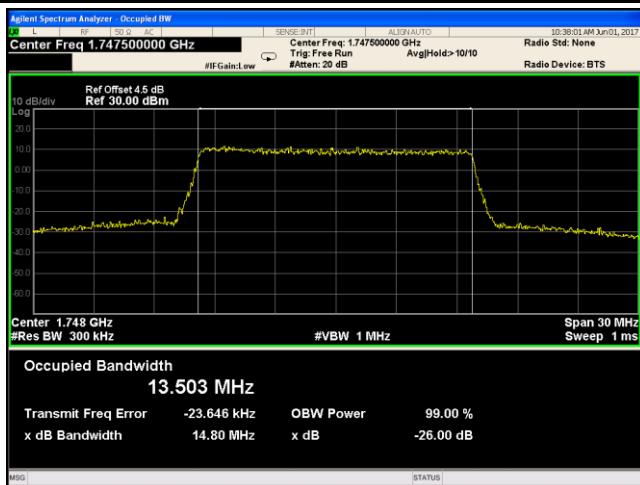


LTE band IV - Low CH QPSK-15

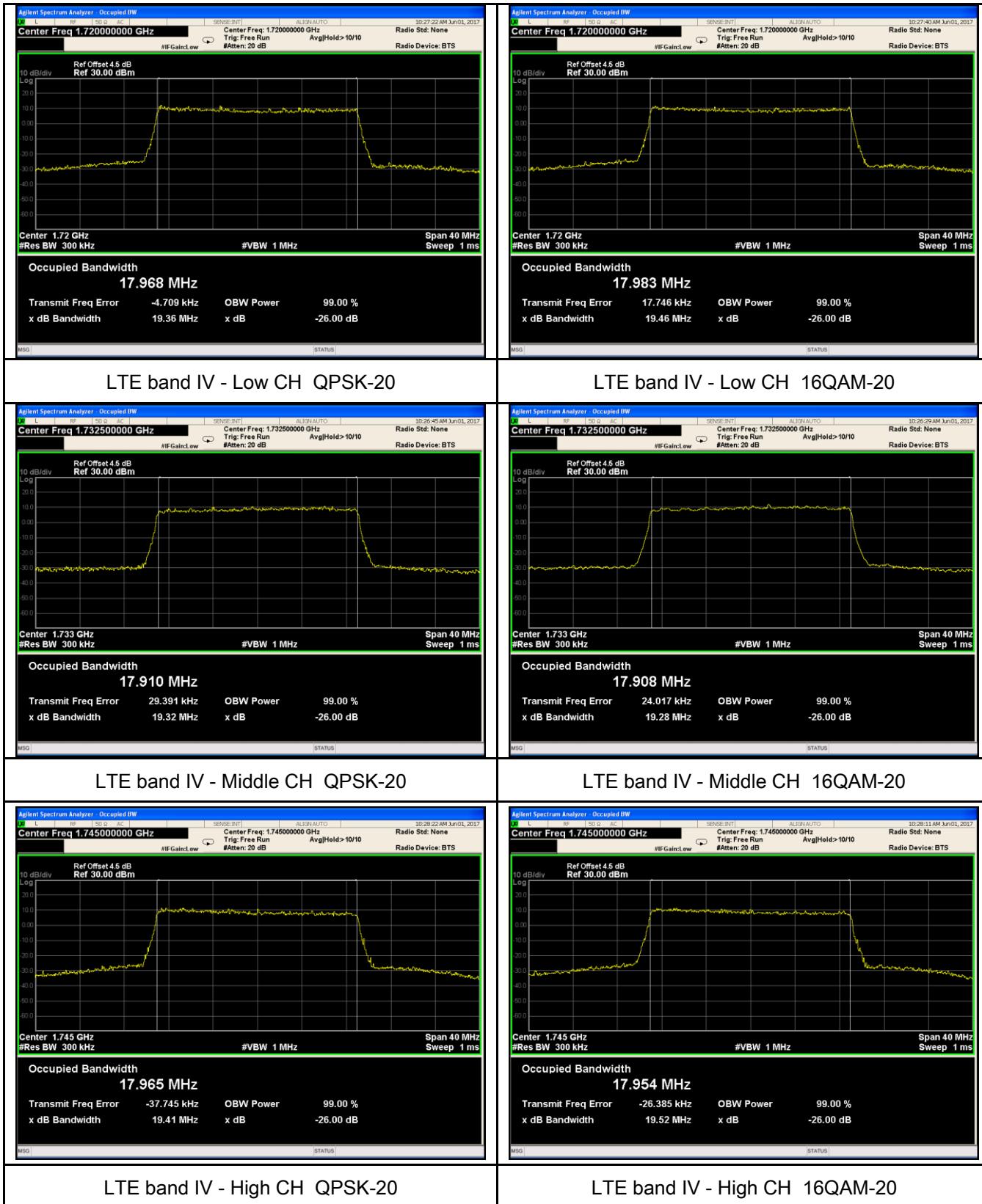


LTE band IV - Middle CH QPSK-15

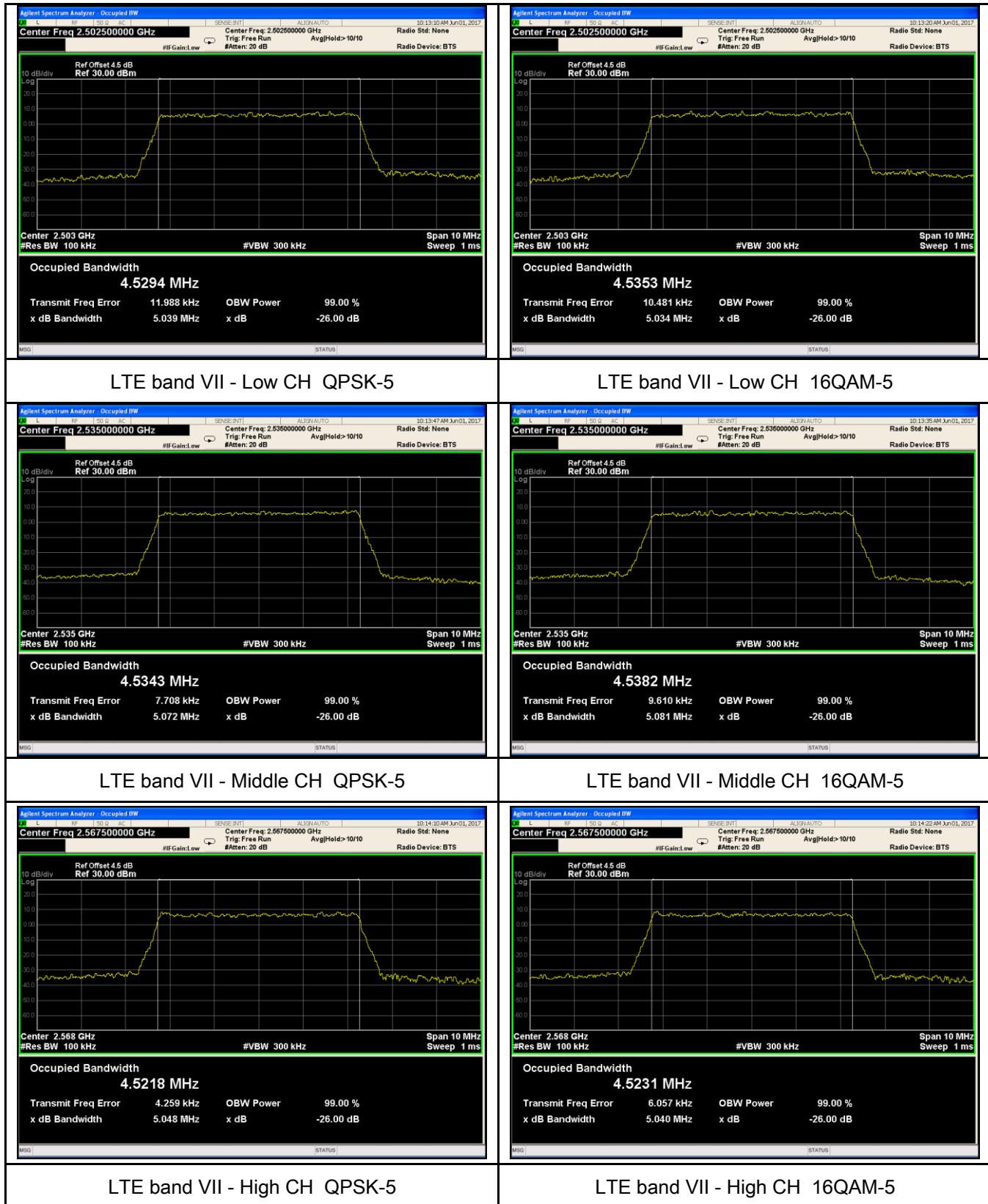


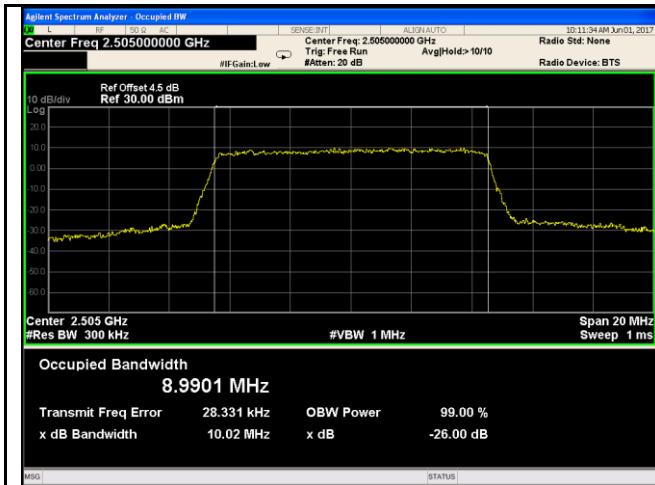
LTE band IV - High CH QPSK-15

LTE band IV - High CH 16QAM-15

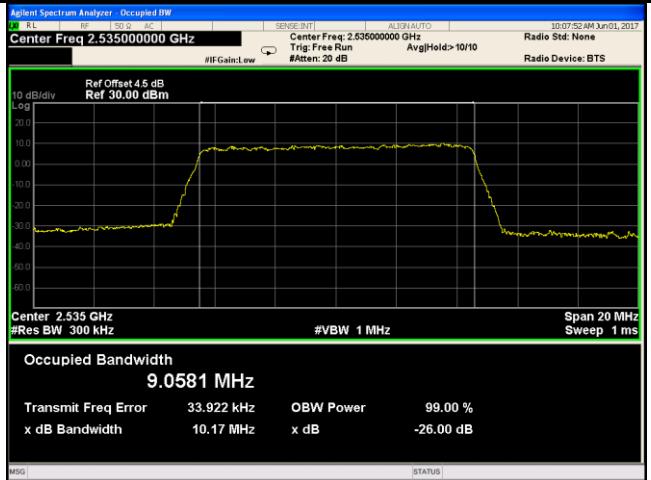
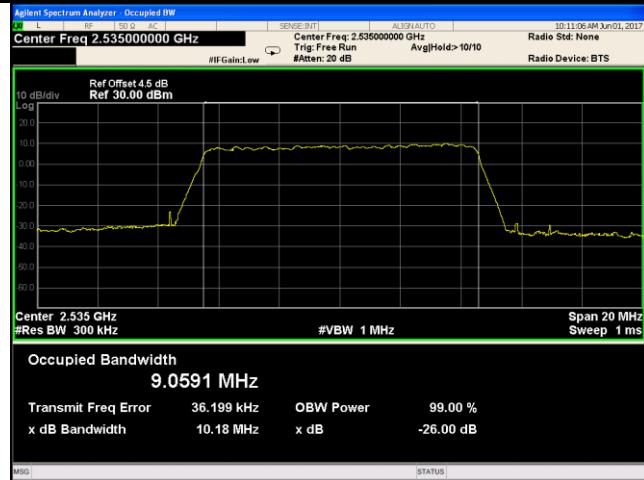


LTE band VII (Part 27)

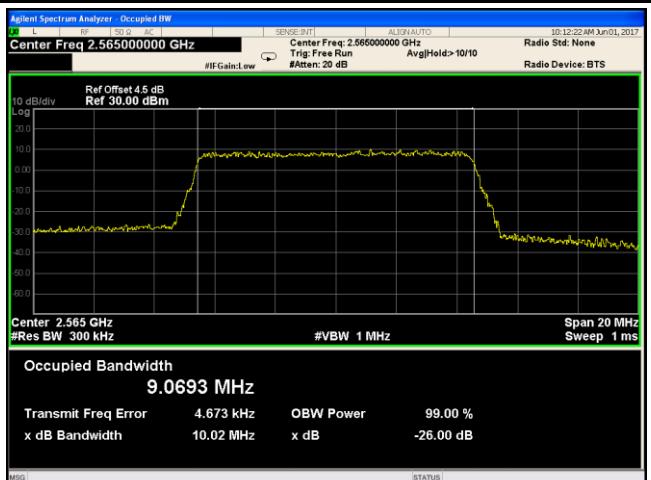
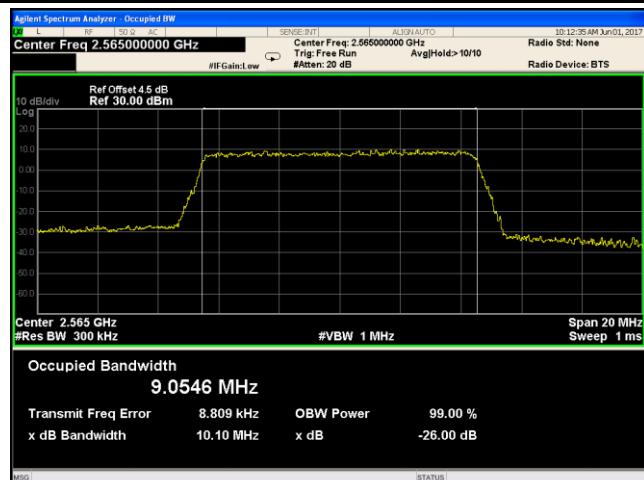




LTE band VII - Low CH QPSK-10

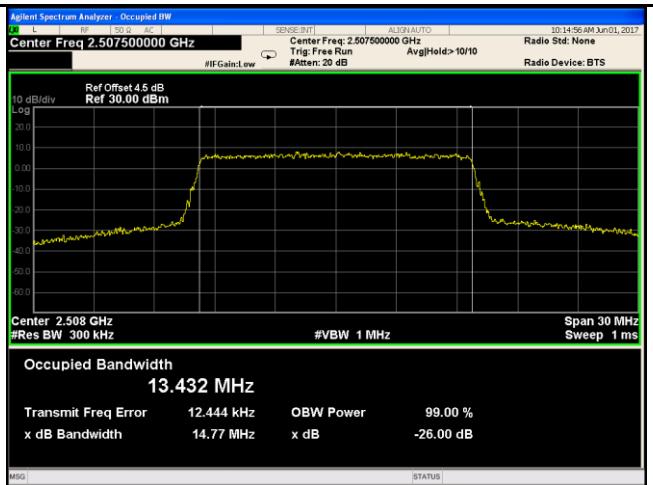
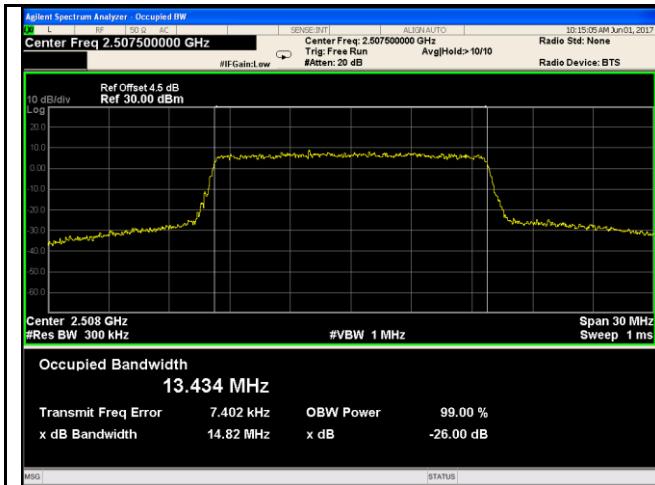


LTE band VII - Middle CH QPSK-10

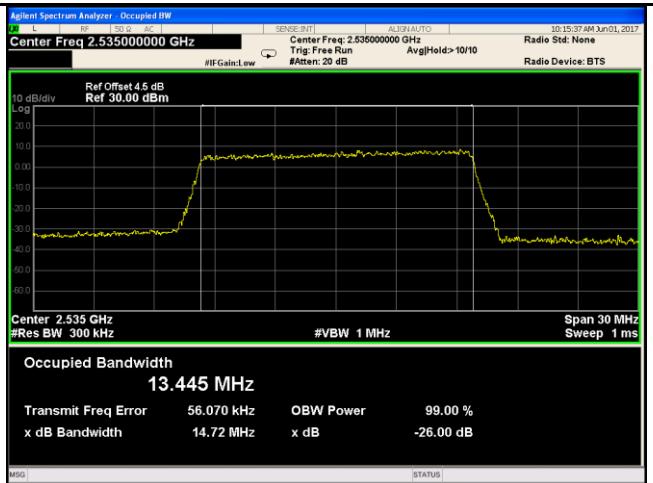
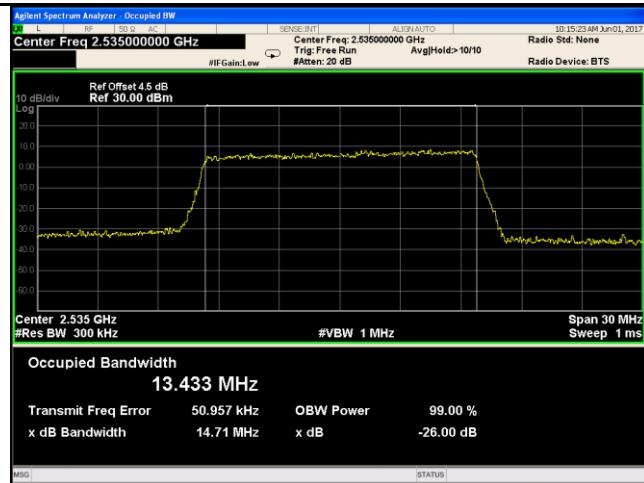


LTE band VII - High CH QPSK-10

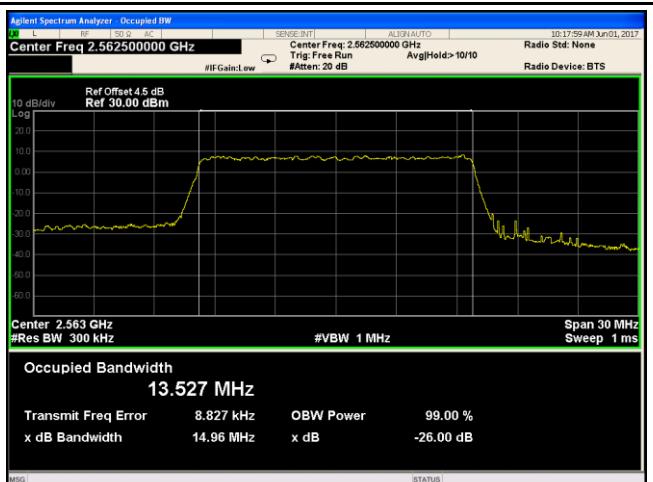
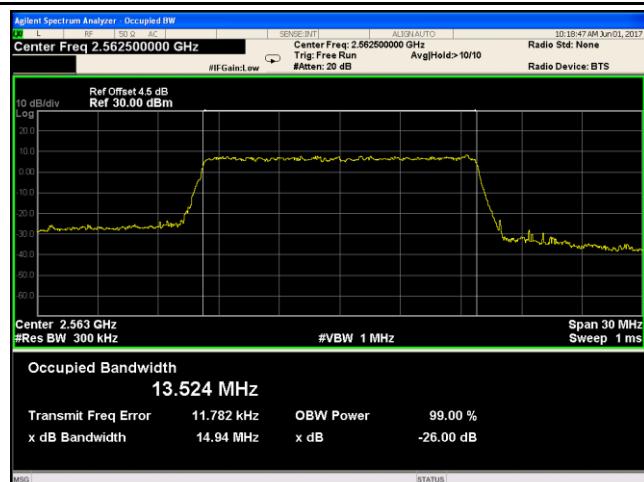
LTE band VII - High CH 16QAM-10



LTE band VII - Low CH QPSK-15

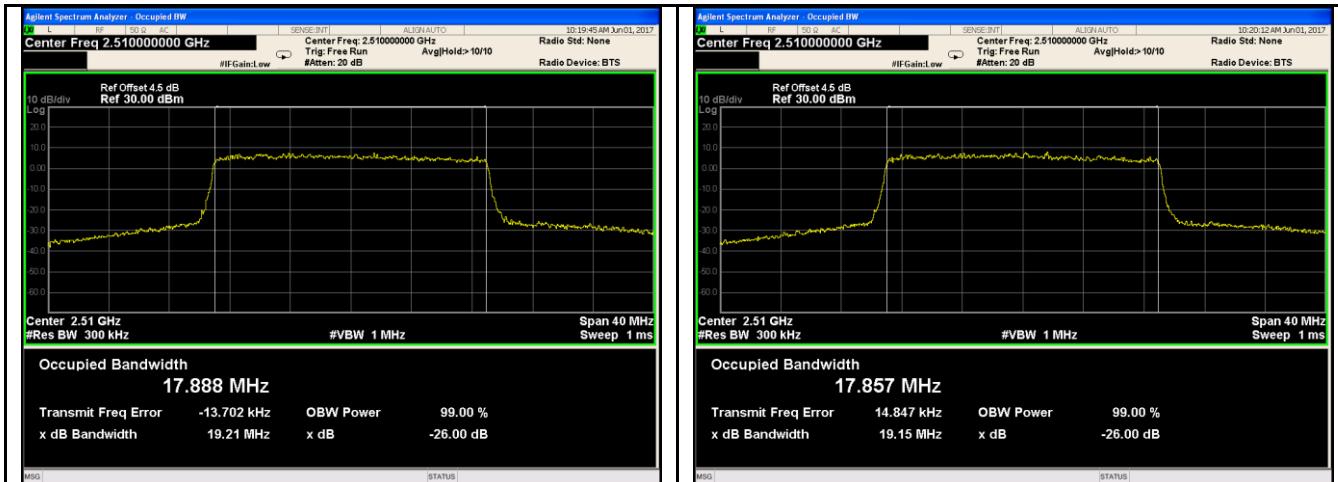


LTE band VII - Middle CH QPSK-15



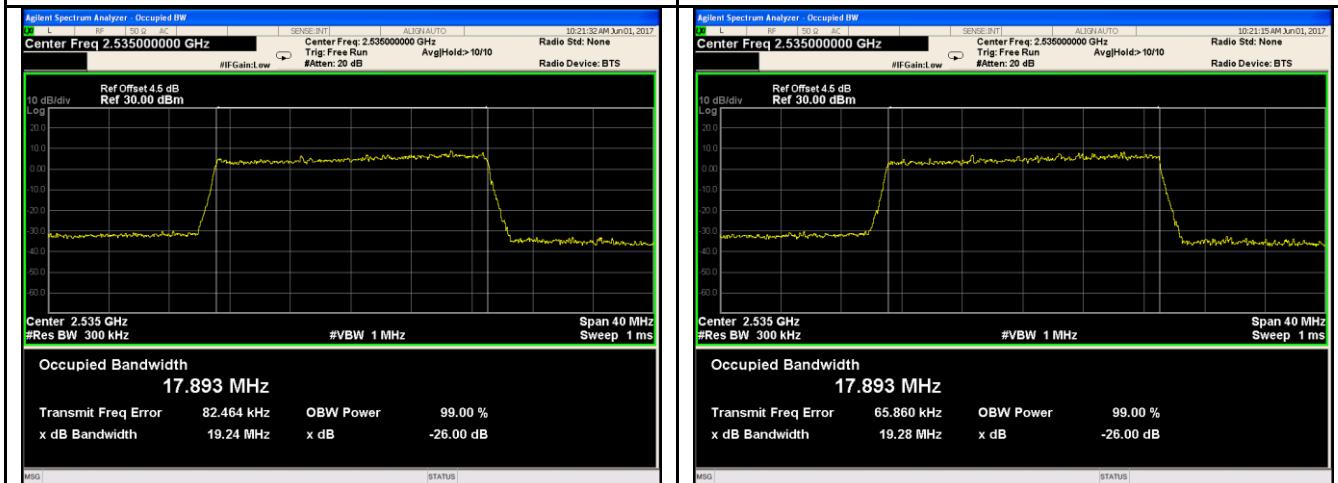
LTE band VII - High CH QPSK-15

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



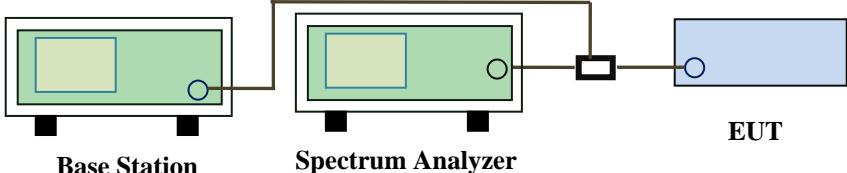
LTE band VII - High CH QPSK-20

LTE band VII - High CH 16QAM-20

6.5 Spurious Emissions at Antenna Terminals

Temperature	23°C
Relative Humidity	51%
Atmospheric Pressure	1002mbar
Test date :	June 01, 2017
Tested By :	Vera Zhang

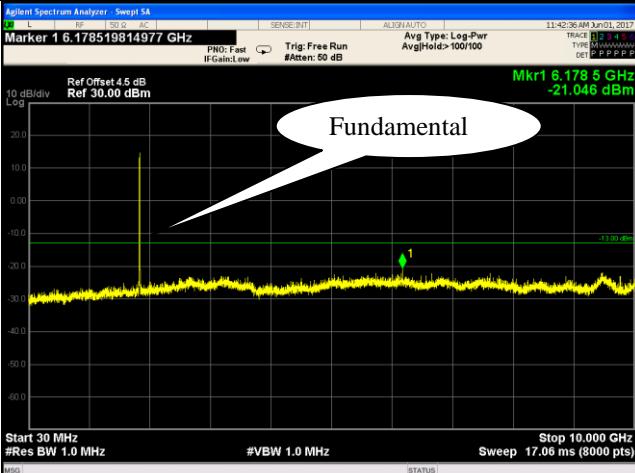
Requirement(s):

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 $43 + 10 \log (P) \text{ dB}$	<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

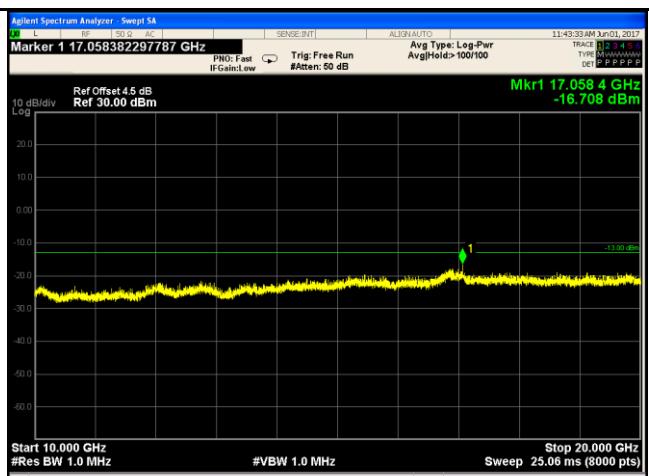
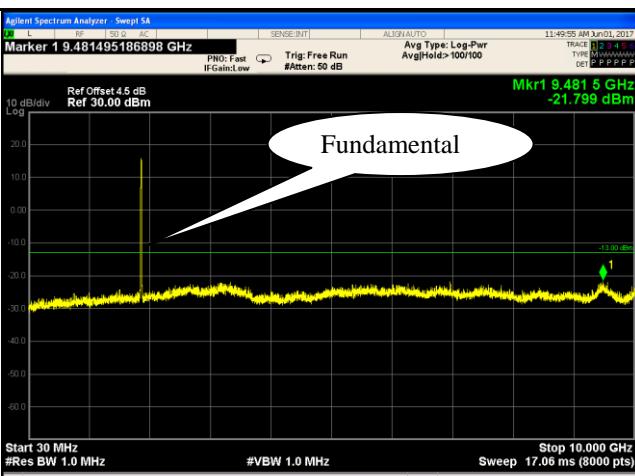
Test Plots 30MHz-5GHz

LTE band II (Part 24E)



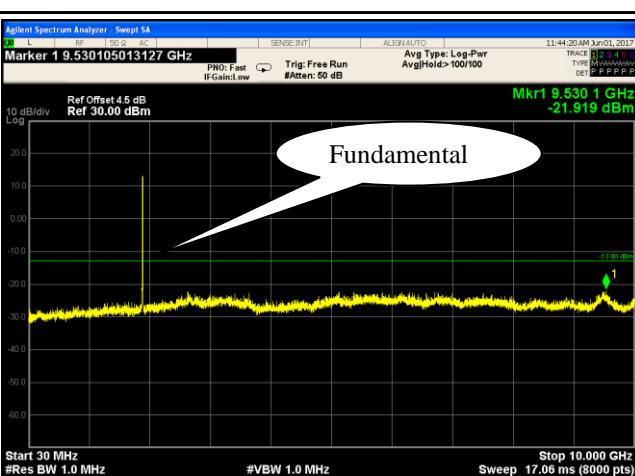
LTE band II - Low Channel-1

LTE band II - Low Channel-2



LTE band II Middle Channel-1

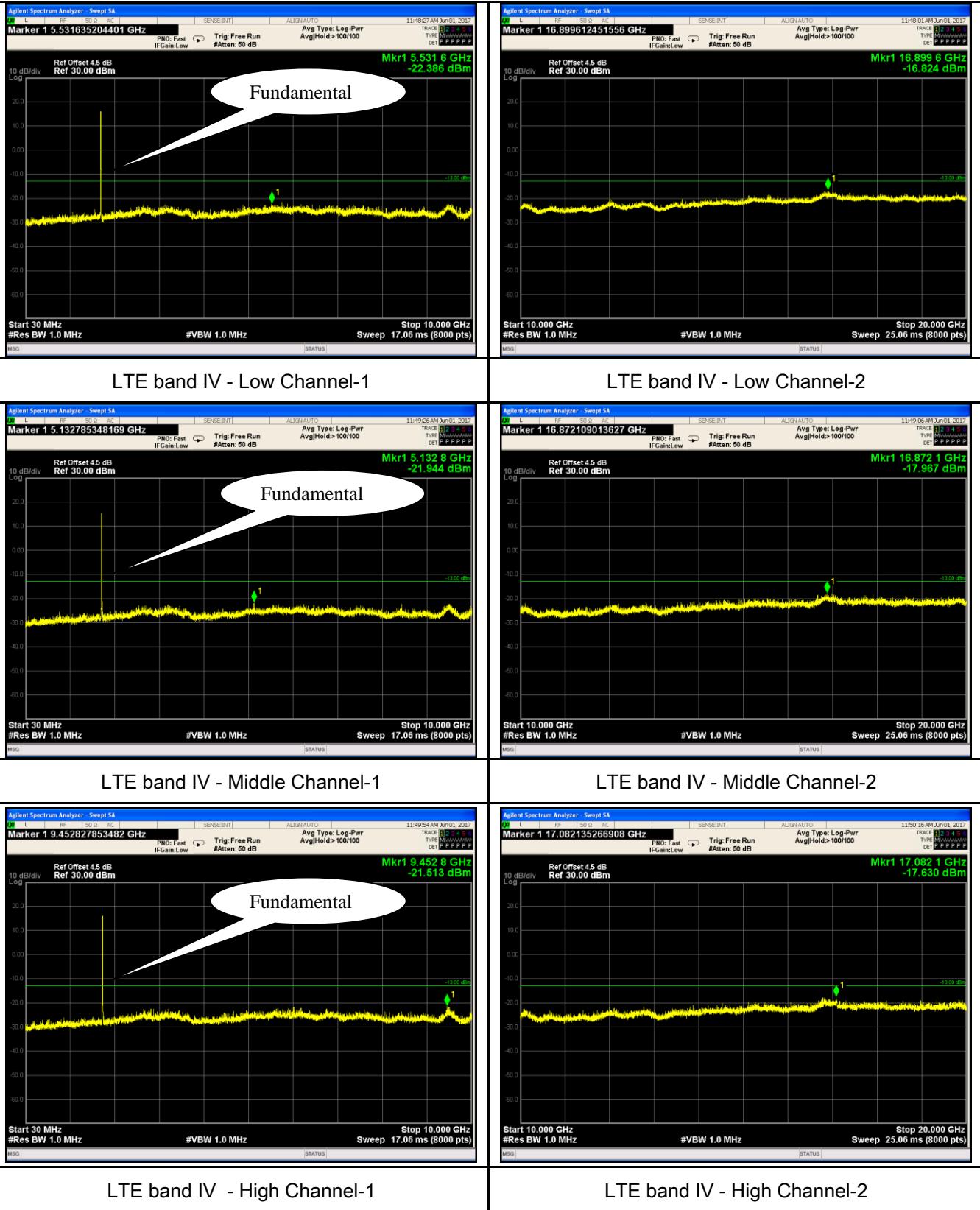
LTE band II Middle Channel-2



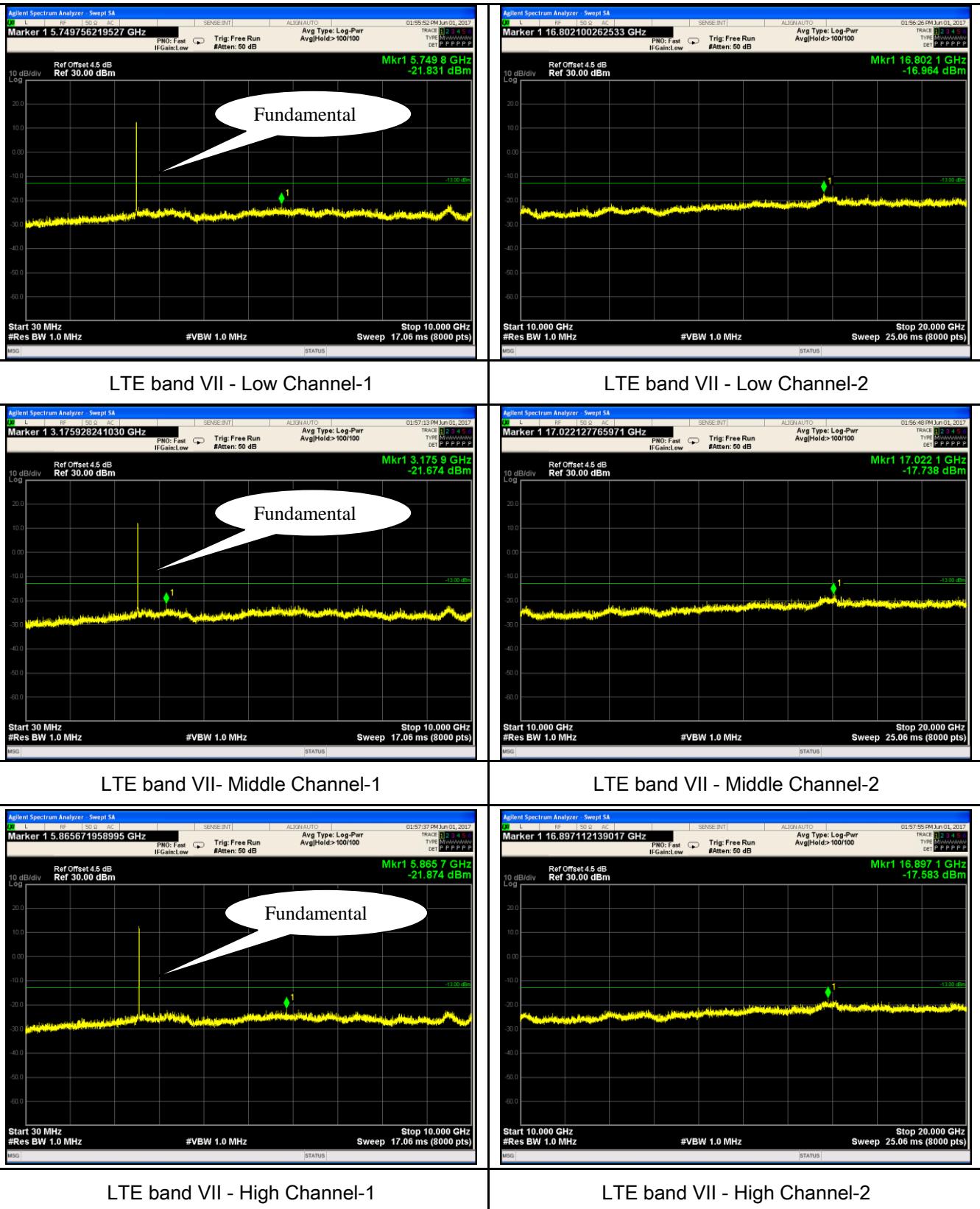
LTE band II - High Channel-1

LTE band II - High Channel-2

LTE band IV (Part27) result



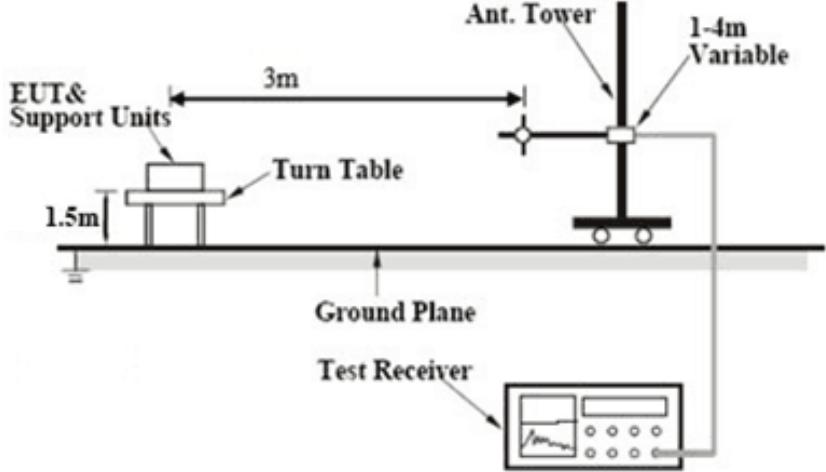
LTE band VII (Part 27)



6.6 Spurious Radiated Emissions

Temperature	23°C
Relative Humidity	51%
Atmospheric Pressure	1002mbar
Test date :	June 01, 2017
Tested By :	Vera Zhang

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			
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> <p>EUT Field Strength = Raw Amplitude (dBμV/m) – Amplifier Gain (dB) + Antenna</p>		

	Factor (dB) + Cable Loss (dB) + Filter Attenuation (dB, if used)
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	-46.47	V	10.25	2.73	-38.95	-13	-25.95
3720	-46.95	H	10.25	2.73	-39.43	-13	-26.43
50.2	-45.36	V	-4.2	0.11	-49.67	-13	-36.67
203.4	-48.21	H	4.6	0.18	-43.79	-13	-30.79

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	-46.52	V	10.25	2.73	-39	-13	-26.00
3760	-46.98	H	10.25	2.73	-39.46	-13	-26.46
50.2	-45.13	V	-4.2	0.11	-49.44	-13	-36.44
203.4	-48.05	H	4.6	0.18	-43.63	-13	-30.63

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	-46.19	V	10.36	2.73	-38.56	-13	-25.56
3800	-46.88	H	10.36	2.73	-39.25	-13	-26.25
50.2	-45.21	V	-4.2	0.11	-49.52	-13	-36.52
203.4	-47.33	H	4.6	0.18	-42.91	-13	-29.91

Note:

- 1, The testing has been conformed to 10*1907.5MHz=19,075MHz
- 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	-45.89	V	10.06	2.52	-38.35	-13	-25.35
3440	-46.93	H	10.06	2.52	-39.39	-13	-26.39
50.2	-45.66	V	-4.2	0.11	-49.97	-13	-36.97
203.4	-48.02	H	4.6	0.18	-43.6	-13	-30.60

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	-45.99	V	10.09	2.52	-38.42	-13	-25.42
3465	-46.82	H	10.09	2.52	-39.25	-13	-26.25
50.2	-46.05	V	-4.2	0.11	-50.36	-13	-37.36
203.4	-48.76	H	4.6	0.18	-44.34	-13	-31.34

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	-46.01	V	10.09	2.52	-38.44	-13	-25.44
3490	-47.13	H	10.09	2.52	-39.56	-13	-26.56
50.2	-46.09	V	-4.2	0.11	-50.4	-13	-37.40
203.4	-48.92	H	4.6	0.18	-44.5	-13	-31.50

Note:

- 1, The testing has been conformed to 10*1752.5MHz=17,525MHz
- 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	-48.32	V	10.29	0.98	-39.01	-13	-26.01
5020	-47.67	H	10.29	0.98	-38.36	-13	-25.36
50.2	-46.38	V	-4.2	0.11	-50.69	-13	-37.69
203.4	-48.23	H	4.6	0.18	-43.81	-13	-30.81

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	-47.98	V	10.3	0.99	-38.67	-13	-25.67
5070	-47.85	H	10.3	0.99	-38.54	-13	-25.54
50.2	-46.03	V	-4.2	0.11	-50.34	-13	-37.34
203.4	-48.46	H	4.6	0.18	-44.04	-13	-31.04

High channel

Frequency (MHz)	Substituted level (dBm)	Polarity (H/V)	Antenna Gain Correction (dB)	Cable Loss (dB)	Corrected Reading (dBm)	Limit (dBm)	Margin (dB)
5120	-48.22	V	10.32	1	-38.9	-13	-25.9
5120	-47.99	H	10.32	1	-38.67	-13	-25.67
50.2	-46.15	V	-4.2	0.11	-50.46	-13	-37.46
203.4	-47.64	H	4.6	0.18	-43.22	-13	-30.22

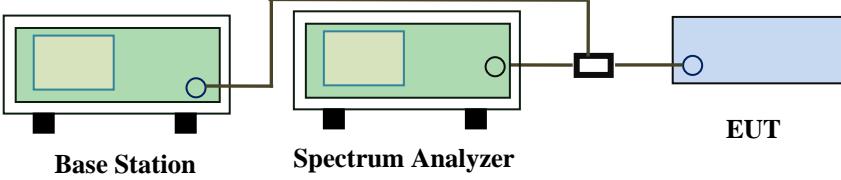
Note:

- 1, The testing has been conformed to $10 * 2567.5 \text{ MHz} = 25,675 \text{ MHz}$
- 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.

6.7 Band Edge

Temperature	23°C
Relative Humidity	51%
Atmospheric Pressure	1002mbar
Test date :	June 01, 2017
Tested By :	Vera Zhang

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 style="text-align: center;">Base Station Spectrum Analyzer 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	-31.192	-13
			16QAM	-30.343	-13
1.4	18900	1910	QPSK	-27.423	-13
			16QAM	-27.494	-13
3	18615	1850	QPSK	-24.197	-13
			16QAM	-23.752	-13
3	19185	1910	QPSK	-26.049	-13
			16QAM	-24.833	-13
5	18625	1850	QPSK	-22.876	-13
			16QAM	-22.881	-13
5	19175	1910	QPSK	-23.050	-13
			16QAM	-24.275	-13
10	18650	1850	QPSK	-26.459	-13
			16QAM	-21.966	-13
10	19150	1910	QPSK	-26.325	-13
			16QAM	-27.024	-13
15	18675	1850	QPSK	-26.611	-13
			16QAM	-24.858	-13
15	19125	1910	QPSK	-25.291	-13
			16QAM	-26.291	-13
20	18700	1848	QPSK	-31.080	-13
			16QAM	-30.489	-13
20	19100	1911	QPSK	-28.431	-13
			16QAM	-28.927	-13

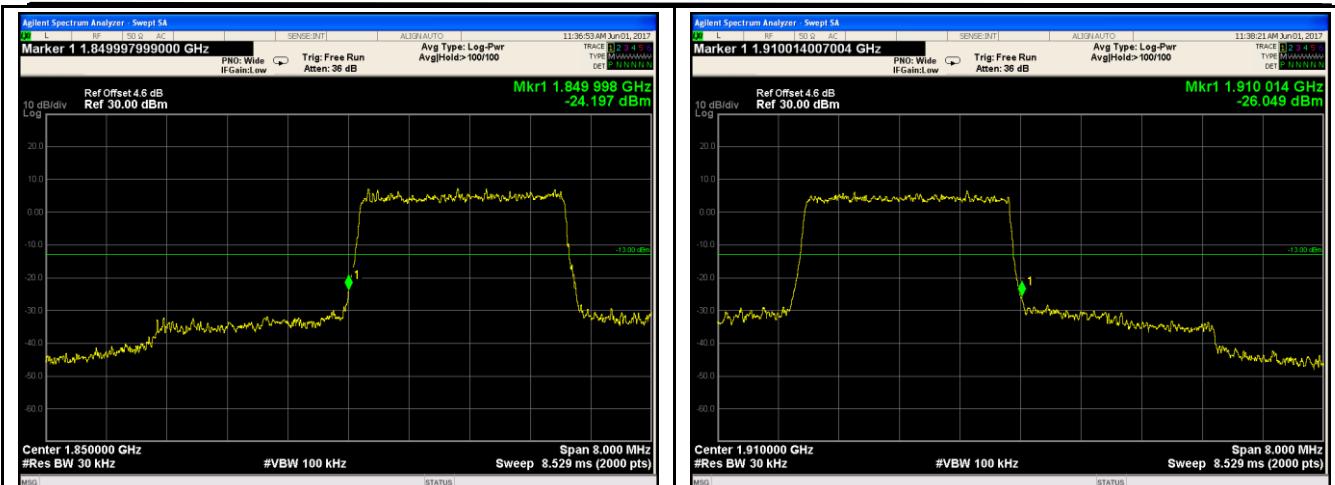
LTE band IV (Part 27) result

BW(MHz)	Channel	Frequency (MHz)	Mode	Emission (dBm)	Limit (dBm)
1.4	19957	1710	QPSK	-29.468	-13
			16QAM	-30.636	-13
1.4	20393	1755	QPSK	-26.847	-13
			16QAM	-27.199	-13
3	19965	1710	QPSK	-22.536	-13
			16QAM	-22.112	-13
3	20385	1755	QPSK	-22.922	-13
			16QAM	-22.591	-13
5	19975	1710	QPSK	-20.419	-13
			16QAM	-18.614	-13
5	20375	1755	QPSK	-19.779	-13
			16QAM	-20.138	-13
10	20000	1710	QPSK	-19.184	-13
			16QAM	-17.977	-13
10	20350	1755	QPSK	-21.758	-13
			16QAM	-21.031	-13
15	20025	1710	QPSK	-17.695	-13
			16QAM	-22.099	-13
15	20325	1755	QPSK	-23.564	-13
			16QAM	-23.765	-13
20	20050	1710	QPSK	-22.938	-13
			16QAM	-22.995	-13
20	20300	1755	QPSK	-27.505	-13
			16QAM	-26.923	-13

Test Plots

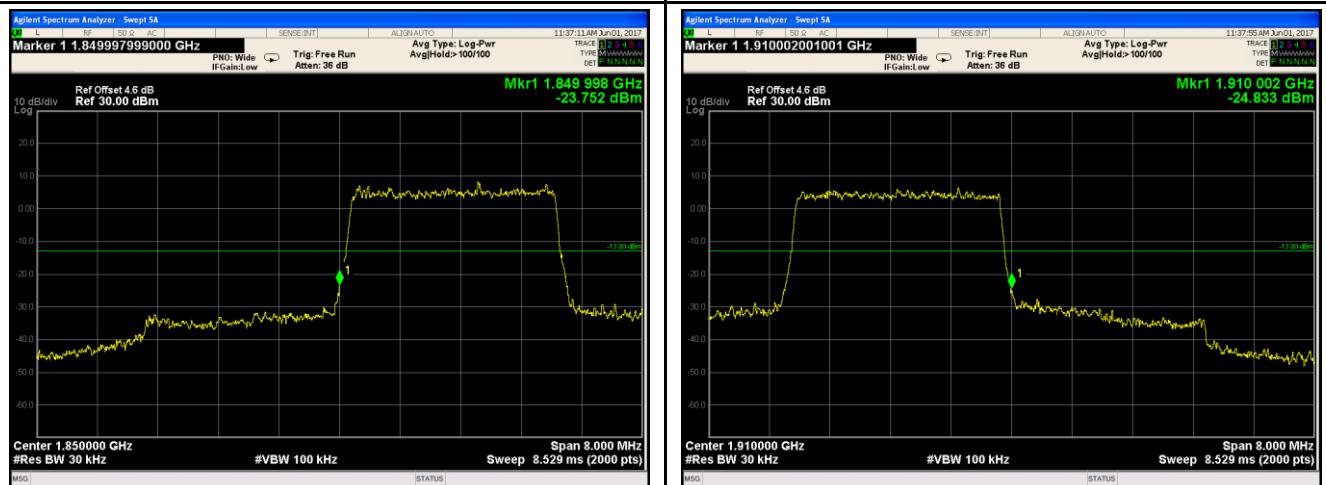
LTE band II (Part 24E)

 <p>Agilent Spectrum Analyzer - Swept SA Marker 1 1.849985000000 GHz PNO: Wide Trig: Free Run AvgType: Log-Pwr IFGain:Low Atten: 36 dB</p> <p>Ref Offset 5.6 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Mkr1 1.849.985 GHz -30.343 dBm</p> <p>Center 1.850000 GHz #Res BW 10 kHz #VBW 30 kHz Span 5.000 MHz Sweep 47.80 ms (1001 pts)</p>	 <p>Agilent Spectrum Analyzer - Swept SA Marker 1 1.910205000000 GHz PNO: Wide Trig: Free Run AvgType: Log-Pwr IFGain:Low Atten: 36 dB</p> <p>Ref Offset 5.6 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Mkr1 1.910.205 GHz -27.423 dBm</p> <p>Center 1.910000 GHz #Res BW 10 kHz #VBW 30 kHz Span 5.000 MHz Sweep 47.80 ms (1001 pts)</p>
<p>LTE band II - Low Channel QPSK-1.4</p> <p>Note: Offset=Cable loss (4.5) + 10log $(12.85/10)=4.5+1.1=5.6\text{dB}$</p>	<p>LTE band II - High Channel QPSK-1.4</p> <p>Note: Offset=Cable loss (4.5) + 10log $(12.67/10)=4.5+1.0=5.5\text{dB}$</p>
 <p>Agilent Spectrum Analyzer - Swept SA Marker 1 1.849775000000 GHz PNO: Wide Trig: Free Run AvgType: Log-Pwr IFGain:Low Atten: 36 dB</p> <p>Ref Offset 5.6 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Mkr1 1.849.775 GHz -31.192 dBm</p> <p>Center 1.850000 GHz #Res BW 10 kHz #VBW 30 kHz Span 5.000 MHz Sweep 47.80 ms (1001 pts)</p>	 <p>Agilent Spectrum Analyzer - Swept SA Marker 1 1.910005000000 GHz PNO: Wide Trig: Free Run AvgType: Log-Pwr IFGain:Low Atten: 36 dB</p> <p>Ref Offset 5.6 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Mkr1 1.910.005 GHz -27.494 dBm</p> <p>Center 1.910000 GHz #Res BW 10 kHz #VBW 30 kHz Span 5.000 MHz Sweep 47.80 ms (1001 pts)</p>
<p>LTE band II - Low Channel 16QAM-1.4</p> <p>Note: Offset=Cable loss (4.5) + 10log $(12.83/10)=4.5+1.1=5.6\text{ dB}$</p>	<p>LTE band II - High Channel 16QAM-1.4</p> <p>Note: Offset=Cable loss (4.5) + 10log $(12.70/10)=4.5+1.2=5.5\text{ dB}$</p>



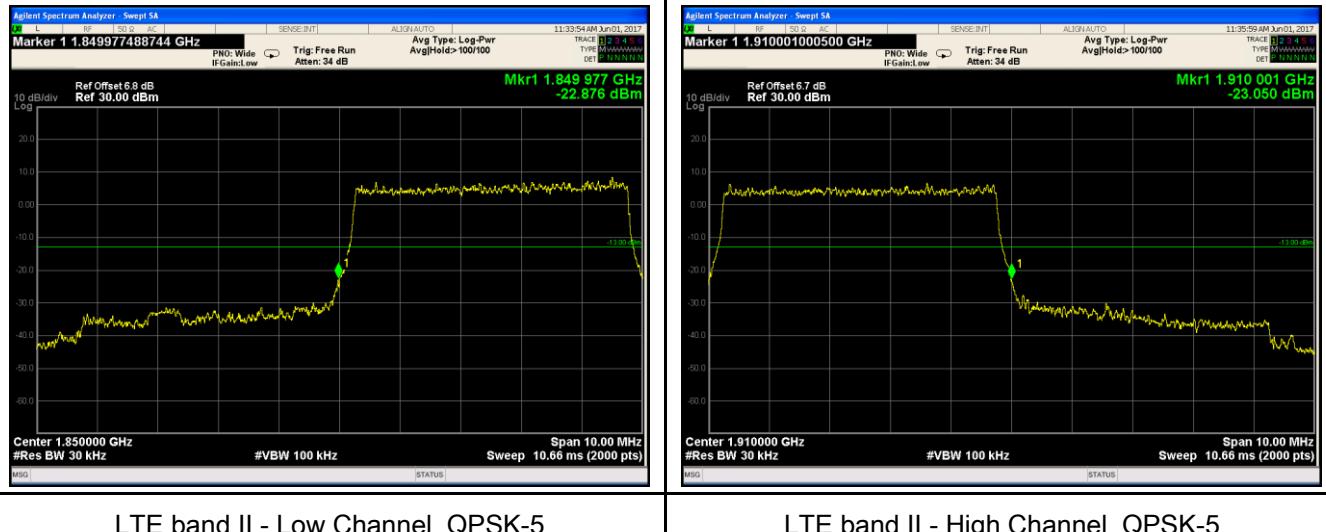
LTE band II - Low Channel QPSK-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.62/30)=4.5+0.1=4.6$ dB



LTE band II - Low Channel 16QAM-3

Note: Offset=Cable loss (4.5) + 10log
 $(30.47/30)=4.5+0.1=4.6$ dB



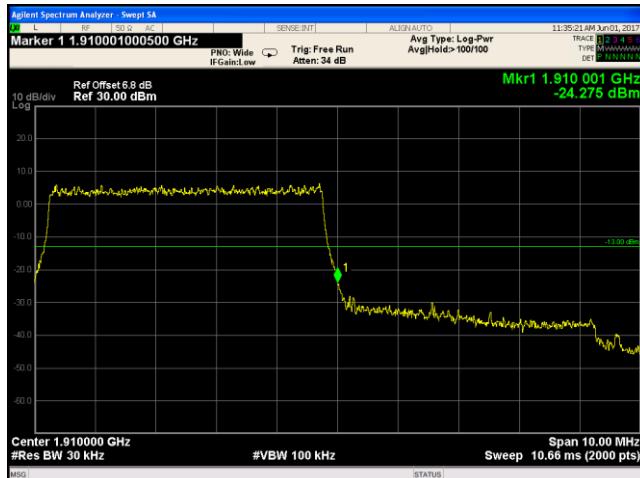
LTE band II - Low Channel QPSK-5

LTE band II - High Channel QPSK-5

Note: Offset=Cable loss (4.5) + 10log
 $(50.39/30)=4.5+2.3=6.8 \text{ dB}$

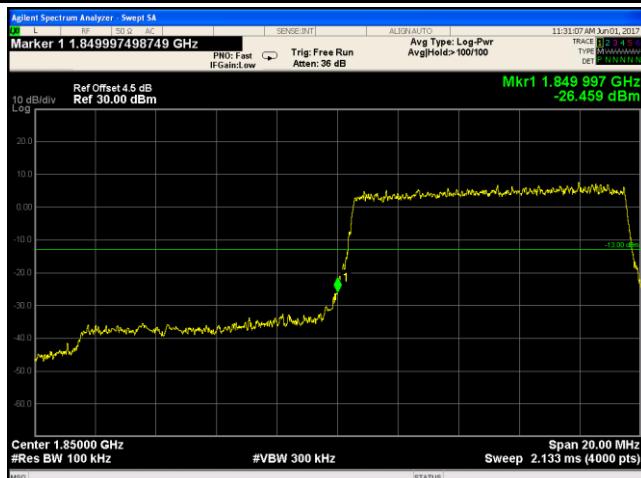


Note: Offset=Cable loss (4.5) + 10log
 $(50.31/30)=4.5+2.2=6.7 \text{ dB}$



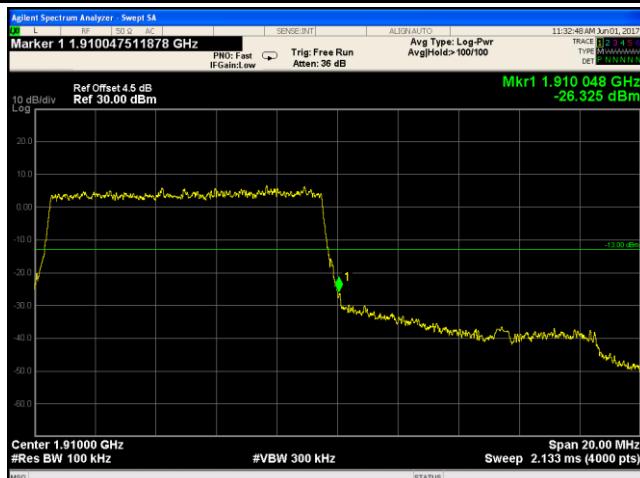
LTE band II - Low Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log
 $(49.99/30)=4.5+2.2=6.7 \text{ dB}$



LTE band II - High Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log
 $(50.75/30)=4.5+2.3=6.8 \text{ dB}$



LTE band II - Low Channel QPSK-10



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
 $(100.4/100)=4.5+0.0=4.5$ dB



Note: Offset=Cable loss (4.5) + 10log
 $(100.8/100)=4.5+0.0=4.5$ dB



LTE band II - Low Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log
 $(146.9/100)=4.5+1.7=6.2$ dB



LTE band II - High Channel QPSK-15

Note: Offset=Cable loss (4.5) + 10log
 $(149.9/100)=4.5+1.8=6.3$ dB

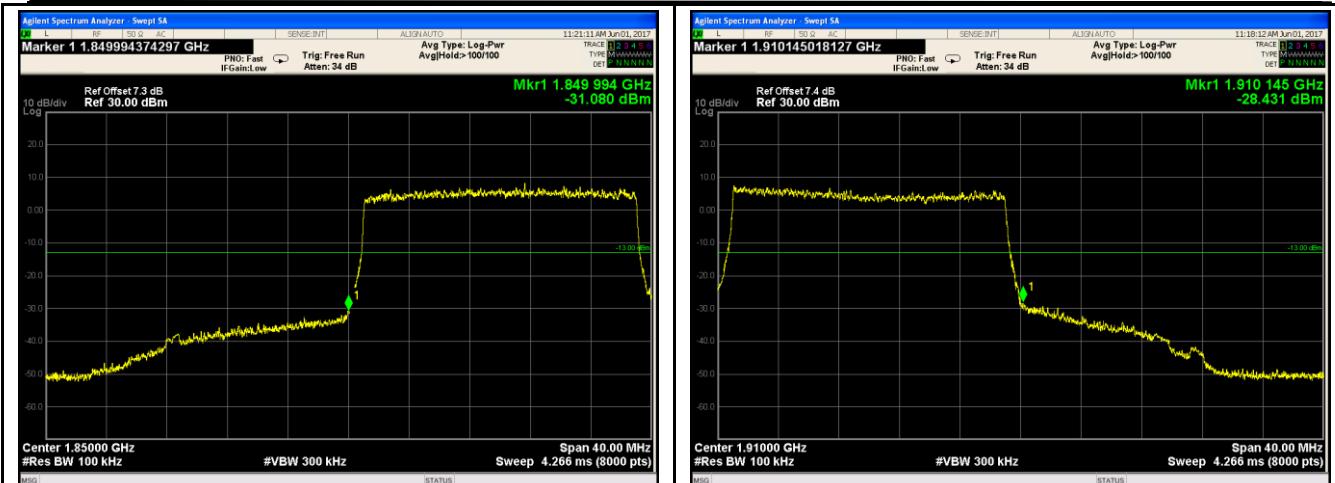


LTE band II - Low Channel 16QAM-15

Note: Offset=Cable loss (4.5) + 10log
 $(149.1/100)=4.5+1.7=6.2$ dB

LTE band II - High Channel 16QAM-15

Note: Offset=Cable loss (4.5) + 10log
 $(149.4/100)=4.5+1.7=6.2$ dB

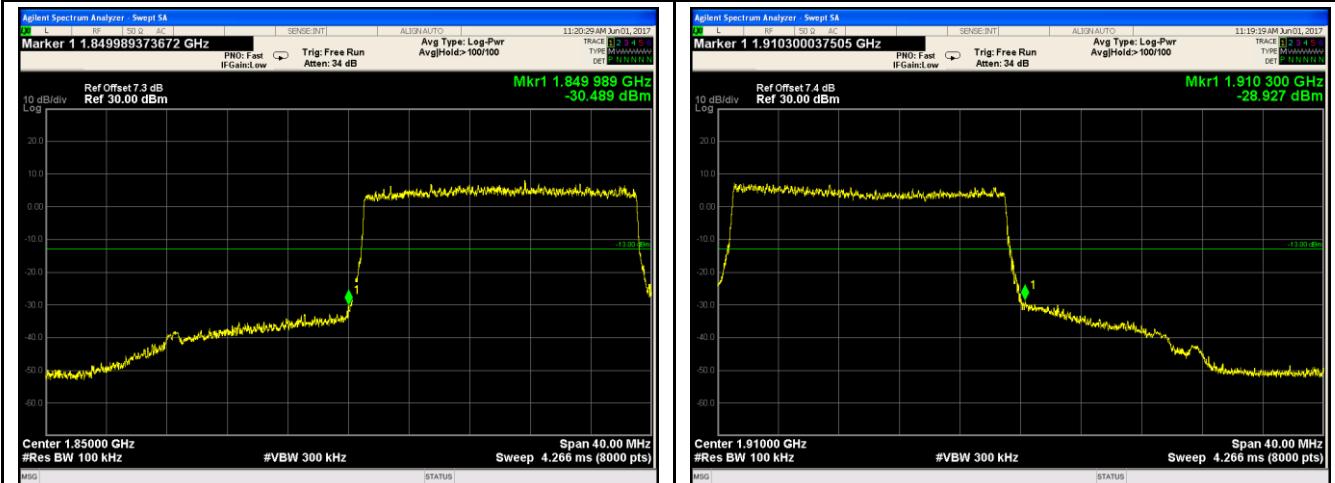


LTE band II - Low Channel QPSK-20

Note: Offset=Cable loss (4.5) + 10log
 $(191.5/100)=4.5+2.8=7.3$ dB

LTE band II - High Channel QPSK-20

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



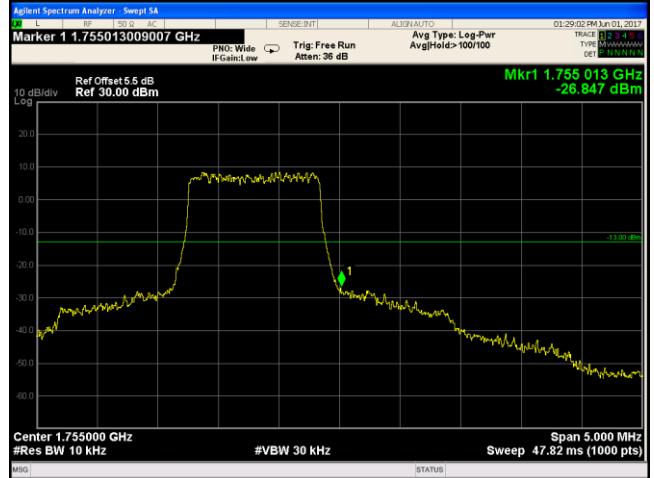
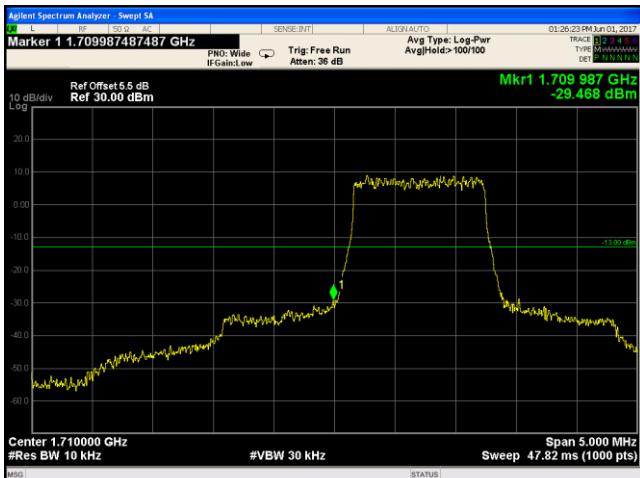
LTE band II - Low Channel 16QAM-20

Note: Offset=Cable loss (4.5) + 10log
 $(191.4/100)=4.5+2.8=7.3$ dB

LTE band II - High Channel 16QAM-20

Note: Offset=Cable loss (4.5) + 10log
 $(194.7/100)=4.5+2.9=7.4$ dB

LTE band IV (Part 27)

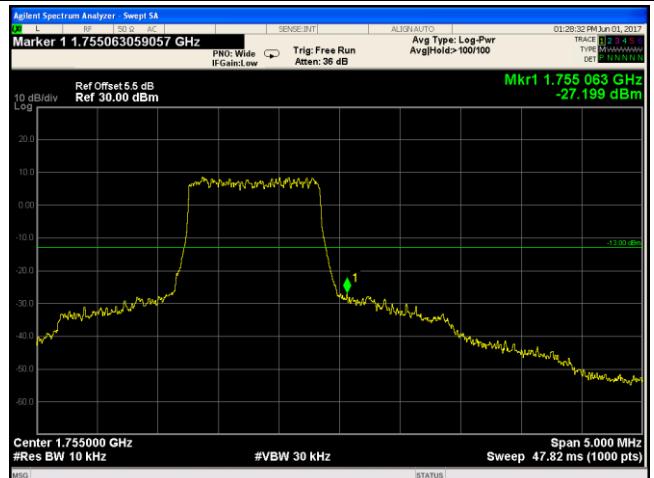


LTE band IV - Low Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log
(12.61/10)=4.5+1.0=5.5 dB

LTE band IV - High Channel QPSK-1.4

Note: Offset=Cable loss (4.5) + 10log
(12.72/10)=4.5+1.0=5.5 dB

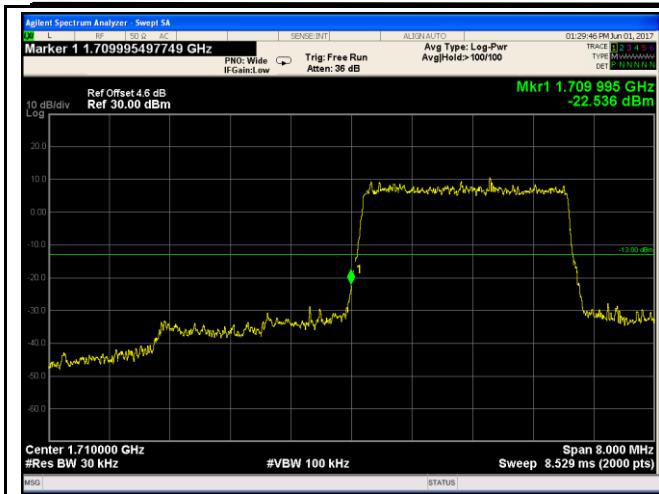
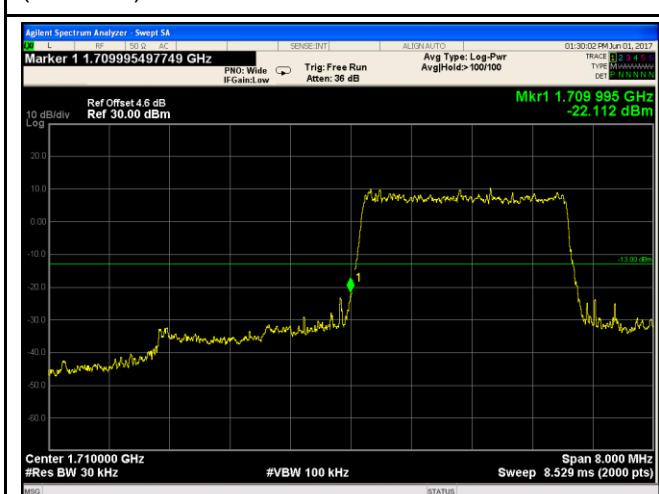
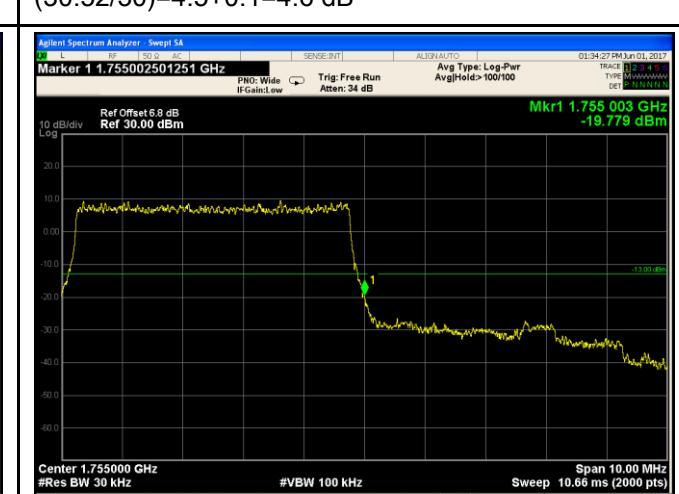


LTE band IV - Low Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log
(12.77/10)=4.5+1.1=5.6 dB

LTE band IV - High Channel 16QAM-1.4

Note: Offset=Cable loss (4.5) + 10log
(12.60/10)=4.5+1.0=5.5 dB

 <p>Marker 1 1.709995497749 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 36 dB Avg Type: Log-Pwr Avg Hold>100/100</p> <p>Mkr1 1.709 995 GHz -22.536 dBm</p> <p>Ref Offset 4.6 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 1.710000 GHz #Res BW 30 kHz #VBW 100 kHz Span 8.000 MHz Sweep 8.529 ms (2000 pts)</p>	 <p>Marker 1 1.755004002001 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 36 dB Avg Type: Log-Pwr Avg Hold>100/100</p> <p>Mkr1 1.755 004 GHz -22.922 dBm</p> <p>Ref Offset 4.6 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 1.755000 GHz #Res BW 30 kHz #VBW 100 kHz Span 8.000 MHz Sweep 8.529 ms (2000 pts)</p>
<p>LTE band IV - Low Channel QPSK-3</p> <p>Note: Offset=Cable loss (4.5) + 10log (30.43/30)=4.5+0.1=4.6 dB</p>	<p>LTE band IV - High Channel QPSK-3</p> <p>Note: Offset=Cable loss (4.5) + 10log (30.55/30)=4.5+0.1=4.6 dB</p>
 <p>Marker 1 1.709995497749 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 36 dB Avg Type: Log-Pwr Avg Hold>100/100</p> <p>Mkr1 1.709 995 GHz -22.112 dBm</p> <p>Ref Offset 4.6 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 1.710000 GHz #Res BW 30 kHz #VBW 100 kHz Span 8.000 MHz Sweep 8.529 ms (2000 pts)</p>	 <p>Marker 1 1.755004002001 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 36 dB Avg Type: Log-Pwr Avg Hold>100/100</p> <p>Mkr1 1.755 004 GHz -22.591 dBm</p> <p>Ref Offset 4.6 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 1.755000 GHz #Res BW 30 kHz #VBW 100 kHz Span 8.000 MHz Sweep 8.529 ms (2000 pts)</p>
<p>LTE band IV - Low Channel 16QAM-3</p> <p>Note: Offset=Cable loss (4.5) + 10log (30.42/30)=4.5+0.1=4.6 dB</p>	<p>LTE band IV - High Channel 16QAM-3</p> <p>Note: Offset=Cable loss (4.5) + 10log (30.52/30)=4.5+0.1=4.6 dB</p>
 <p>Marker 1 1.7099969984993 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 34 dB Avg Type: Log-Pwr Avg Hold>100/100</p> <p>Mkr1 1.709 970 GHz -20.419 dBm</p> <p>Ref Offset 5.8 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 1.710000 GHz #Res BW 30 kHz #VBW 100 kHz Span 10.00 MHz Sweep 10.66 ms (2000 pts)</p>	 <p>Marker 1 1.755002501251 GHz PNO: Wide IFGain:Low Trig: Free Run Atten: 34 dB Avg Type: Log-Pwr Avg Hold>100/100</p> <p>Mkr1 1.755 003 GHz -19.779 dBm</p> <p>Ref Offset 5.8 dB Ref 30.00 dBm</p> <p>10 dB/div Log</p> <p>Center 1.755000 GHz #Res BW 30 kHz #VBW 100 kHz Span 10.00 MHz Sweep 10.66 ms (2000 pts)</p>
<p>LTE band IV - Low Channel QPSK-5</p>	<p>LTE band IV - High Channel QPSK-5</p>

Note: Offset=Cable loss (4.5) + 10log
 $(50.44/30)=4.5+2.3=6.8 \text{ dB}$



Note: Offset=Cable loss (4.5) + 10log
 $(50.50/30)=4.5+2.3=6.8 \text{ dB}$



LTE band IV - Low Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log
 $(49.86/30)=4.5+2.2=6.7 \text{ dB}$



LTE band IV - High Channel 16QAM-5

Note: Offset=Cable loss (4.5) + 10log
 $(50.32/30)=4.5+2.2=6.7 \text{ dB}$



LTE band IV - Low Channel QPSK-10



LTE band IV - High Channel QPSK-10



LTE band IV - Low Channel 16QAM-10

LTE band IV - High Channel 16QAM-10