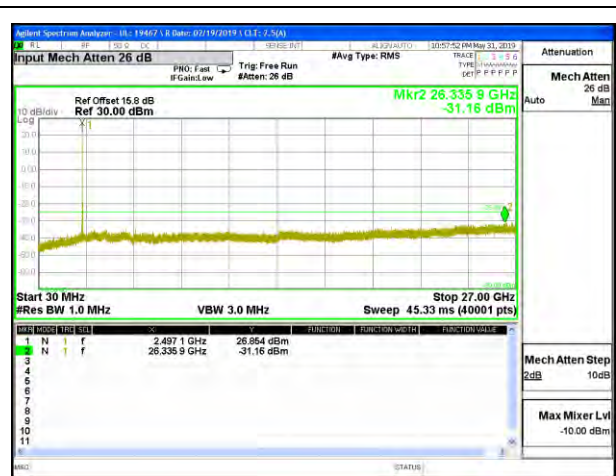
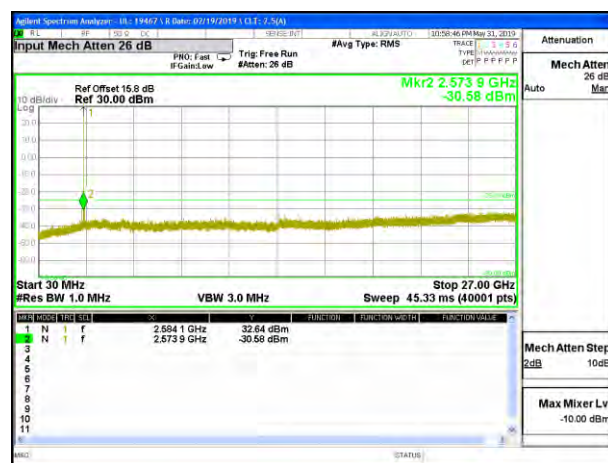




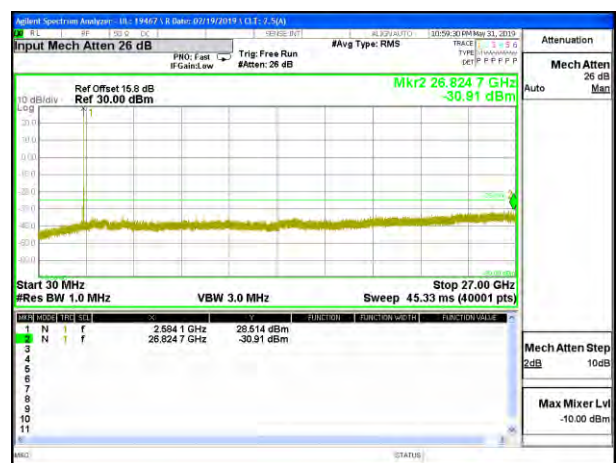
LTE B41 20MHz QPSK Low Channel RB1-0



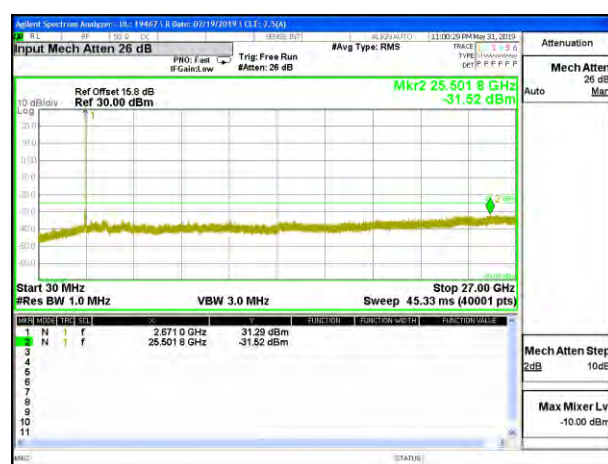
LTE B41 20MHz 16QAM Low Channel RB1-0



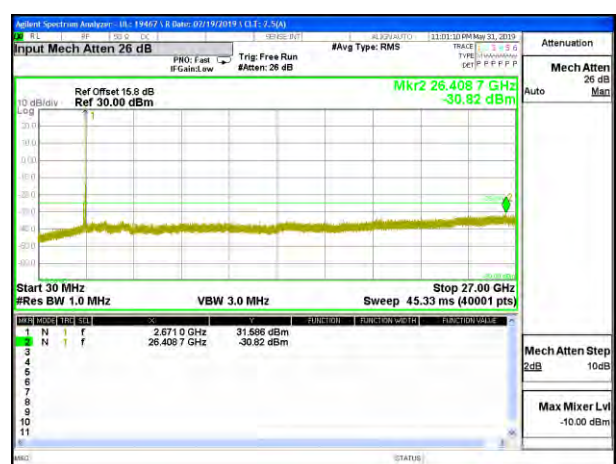
LTE B41 20MHz QPSK Middle Channel RB1-0



LTE B41 20MHz 16QAM Middle Channel RB1-0

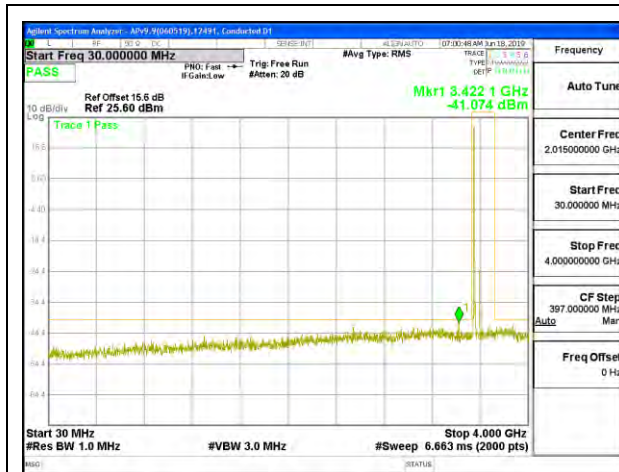


LTE B41 20MHz QPSK High Channel RB1-0

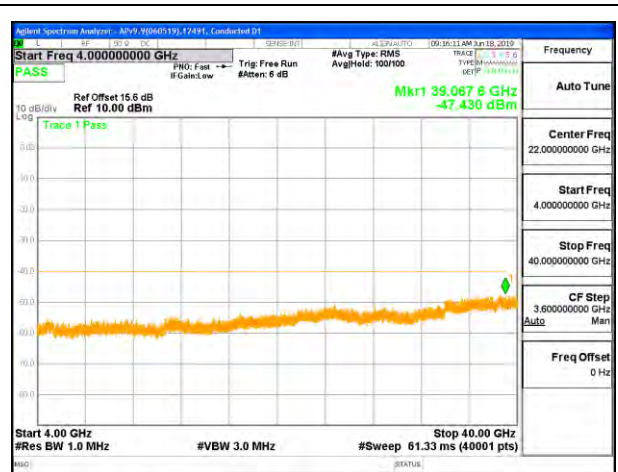


LTE B41 20MHz 16QAM High Channel RB1-0

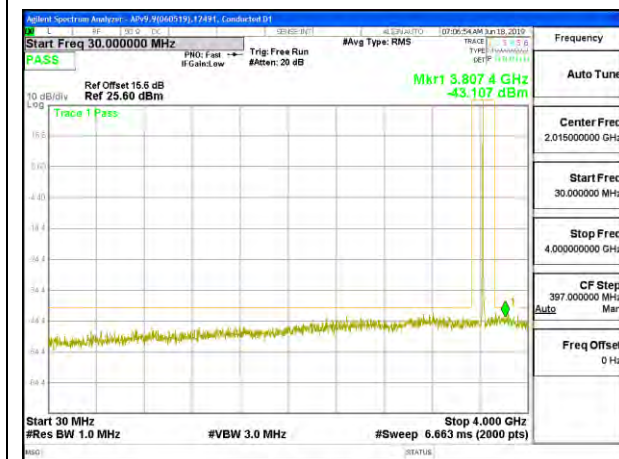
8.3.11. LTE BAND 48



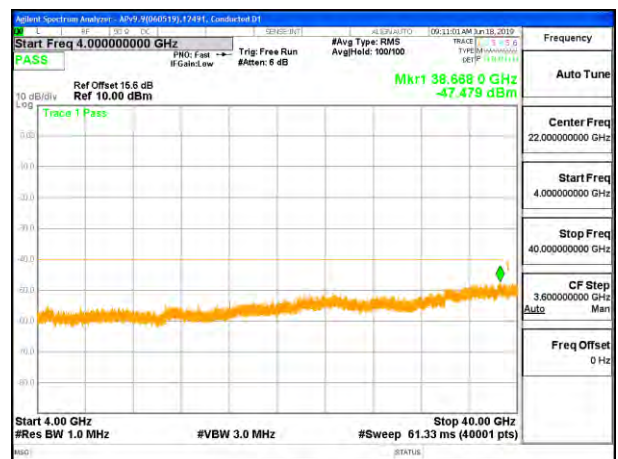
LTE B48 5MHz QPSK Low Channel RB1-0



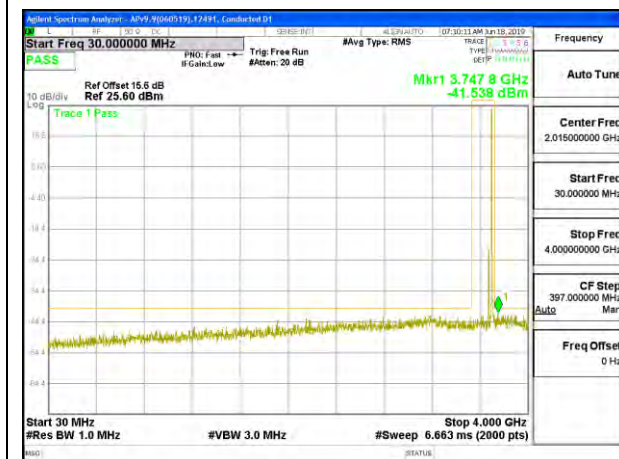
LTE B48 5MHz QPSK Low Channel RB1-0



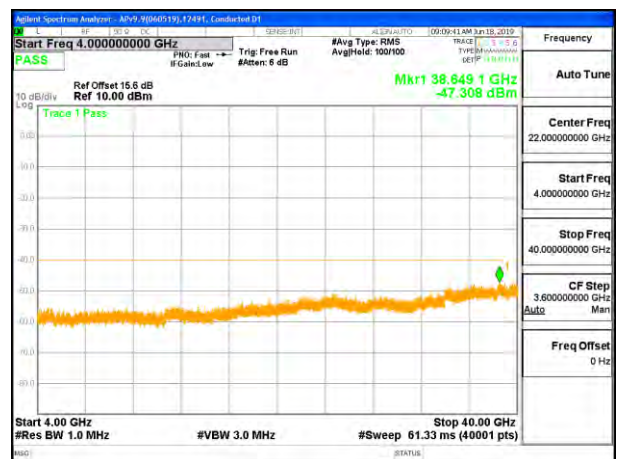
LTE B48 5MHz QPSK Middle Channel RB1-0



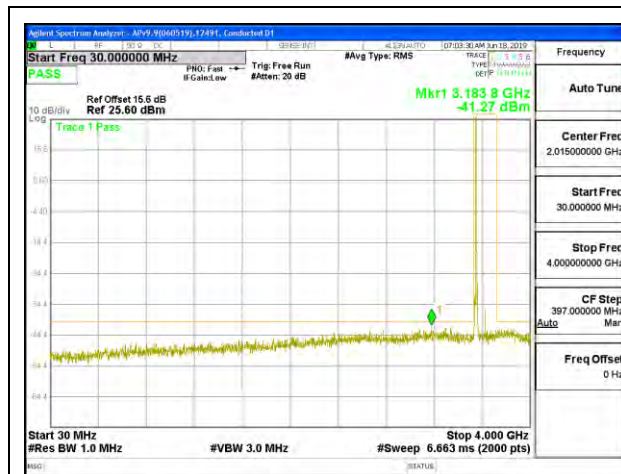
LTE B48 5MHz QPSK Middle Channel RB1-0



LTE B48 5MHz QPSK High Channel RB1-0



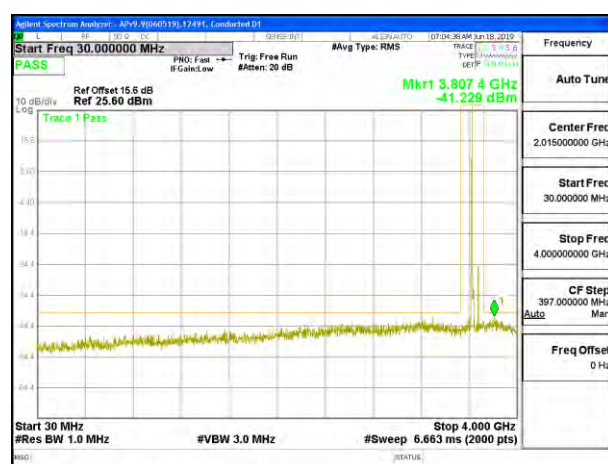
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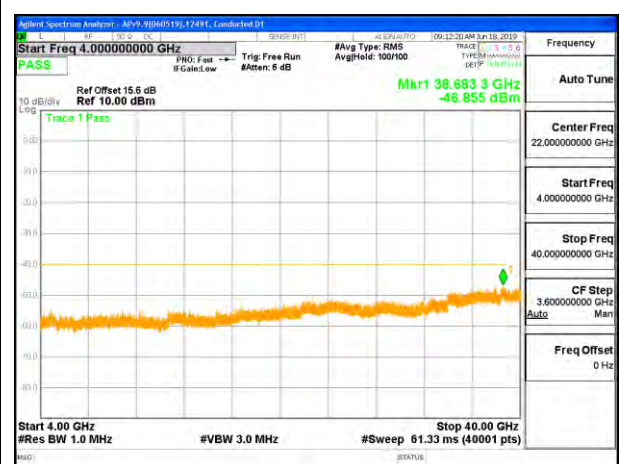
LTE B48 5MHz 16QAM Low Channel RB1-0



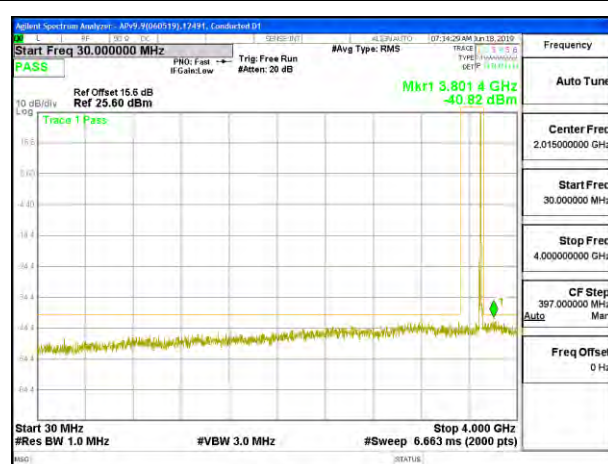
LTE B48 5MHz 16QAM Low Channel RB1-0



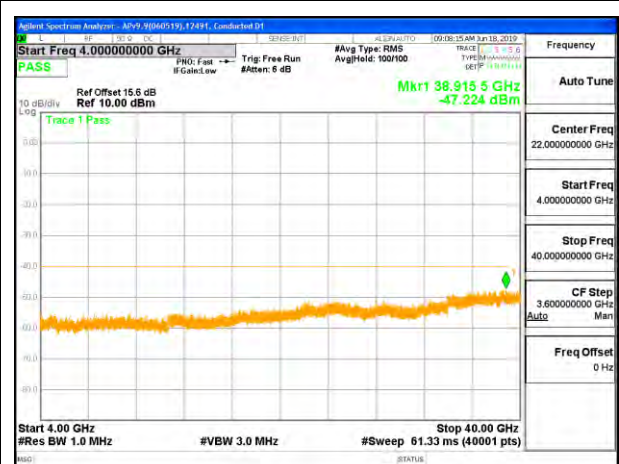
LTE B48 5MHz 16QAM Middle Channel RB1-0



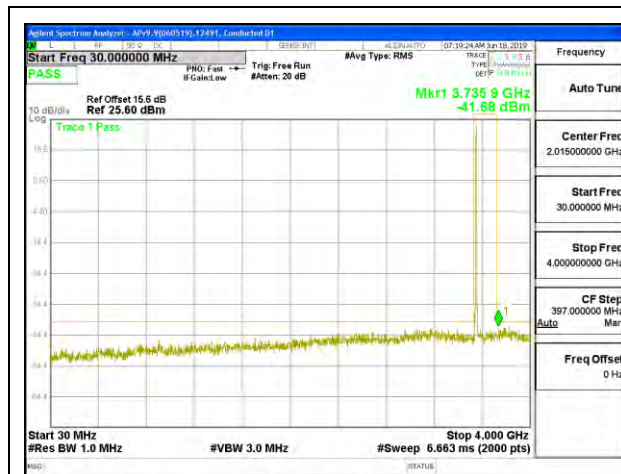
LTE B48 5MHz 16QAM Middle Channel RB1-0



LTE B48 5MHz 16QAM High Channel RB1-0



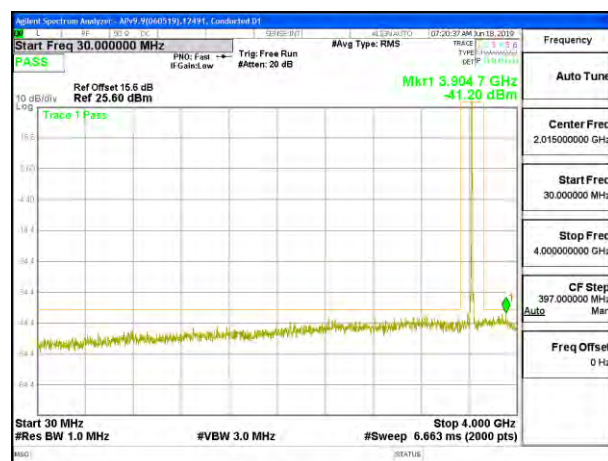
LTE B48 5MHz 16QAM High Channel RB1-0



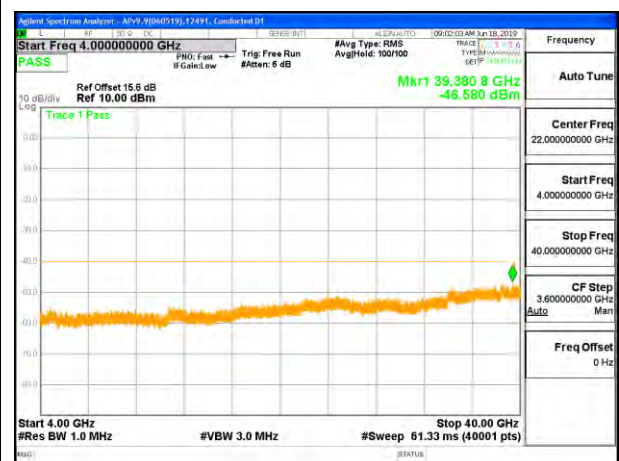
LTE B48 10MHz QPSK Low Channel RB1-0



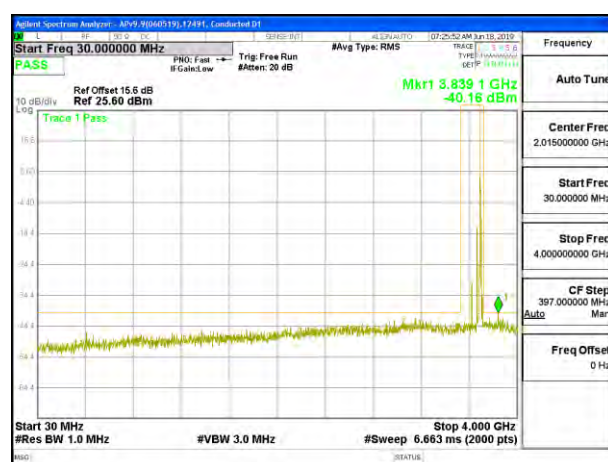
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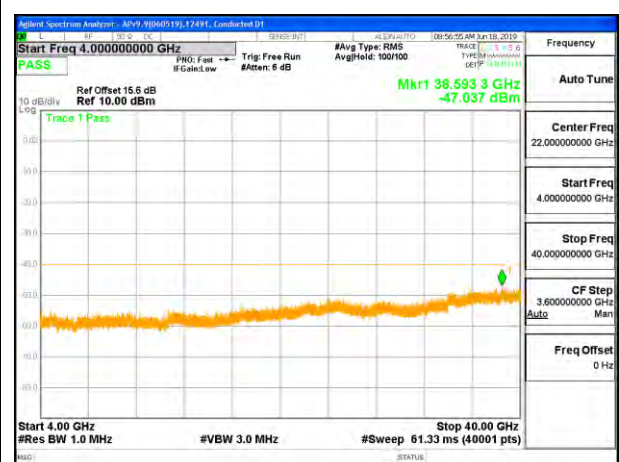
LTE B48 10MHz QPSK Middle Channel RB1-0



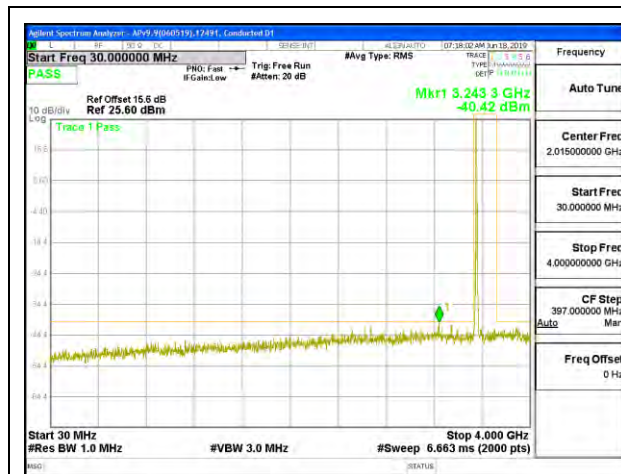
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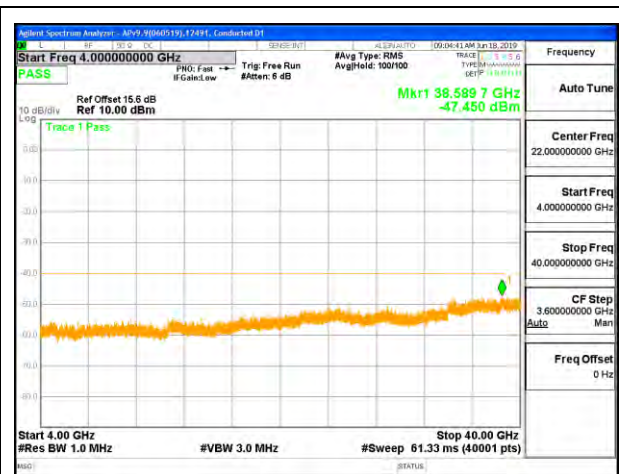
LTE B48 10MHz QPSK High Channel RB1-0



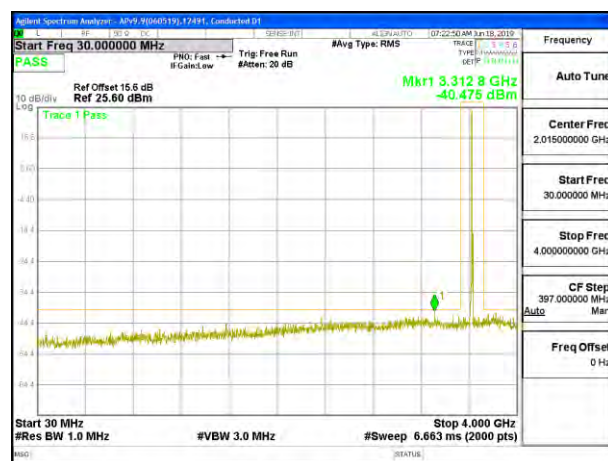
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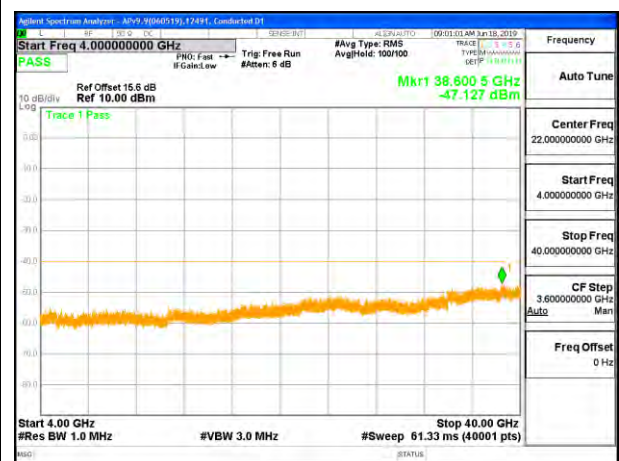
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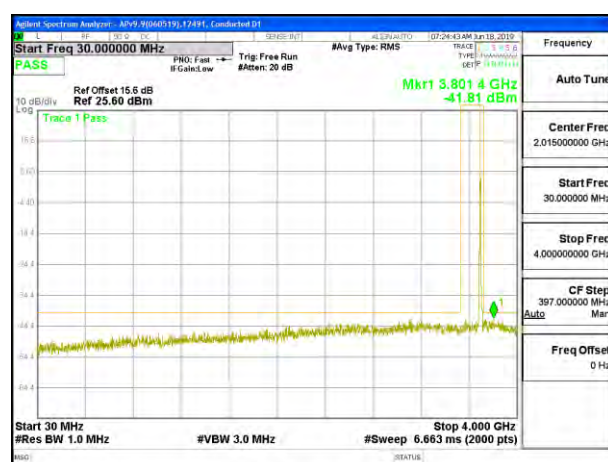
LTE B48 10MHz 16QAM Low Channel RB1-0



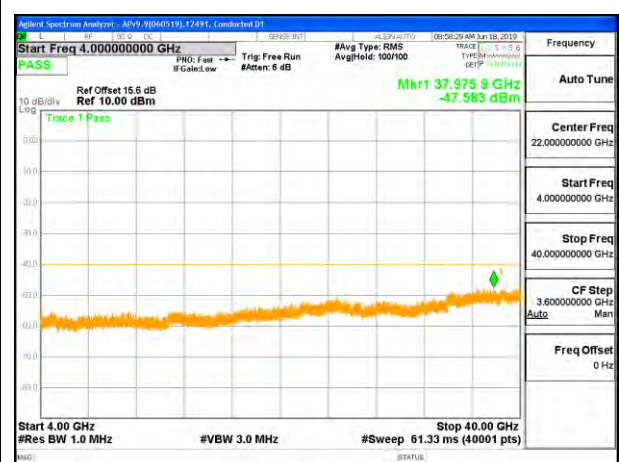
LTE B48 10MHz 16QAM Middle Channel RB1-0



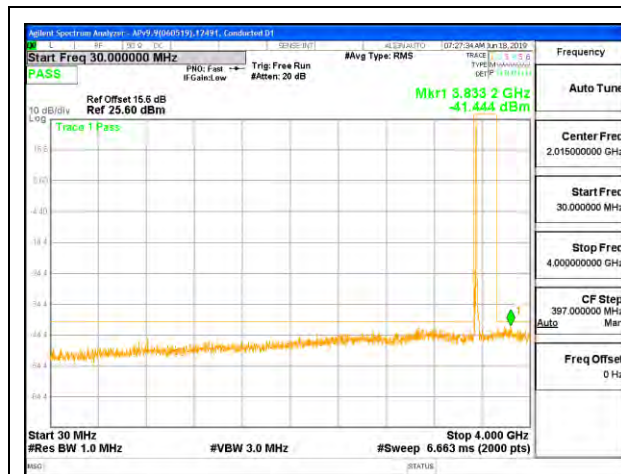
LTE B48 10MHz 16QAM Middle Channel RB1-0



LTE B48 10MHz 16QAM High Channel RB1-0



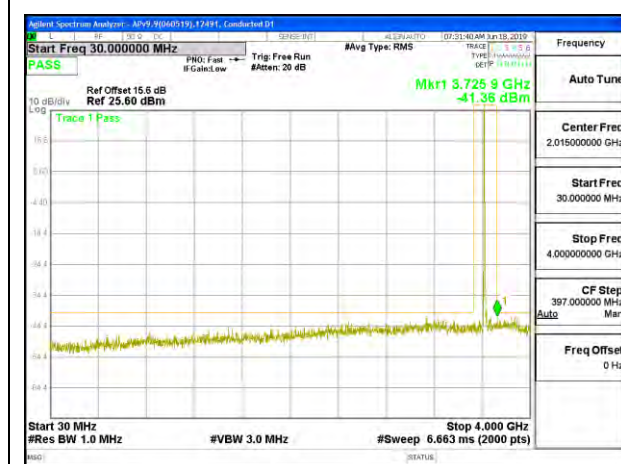
LTE B48 10MHz 16QAM High Channel RB1-0



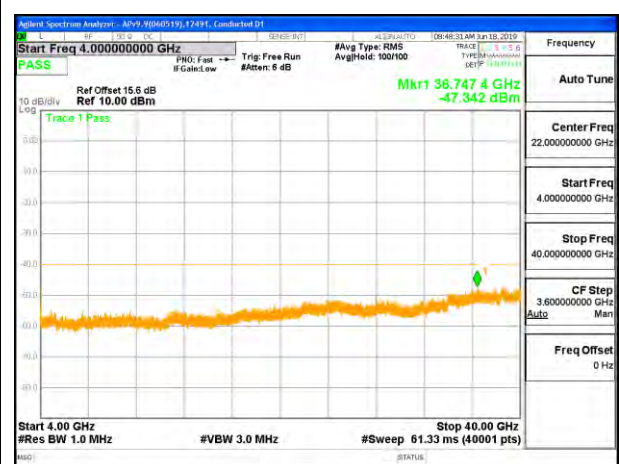
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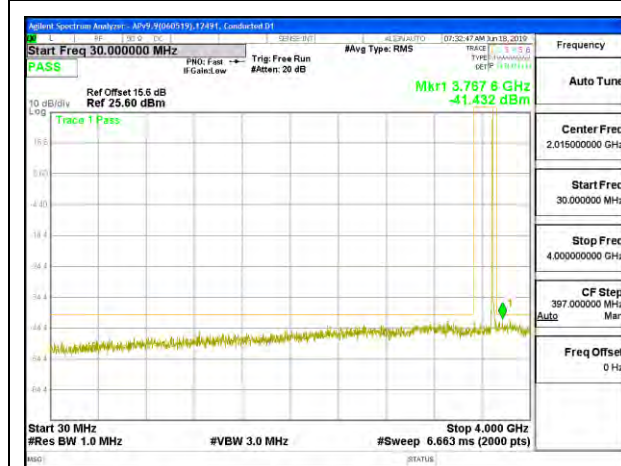
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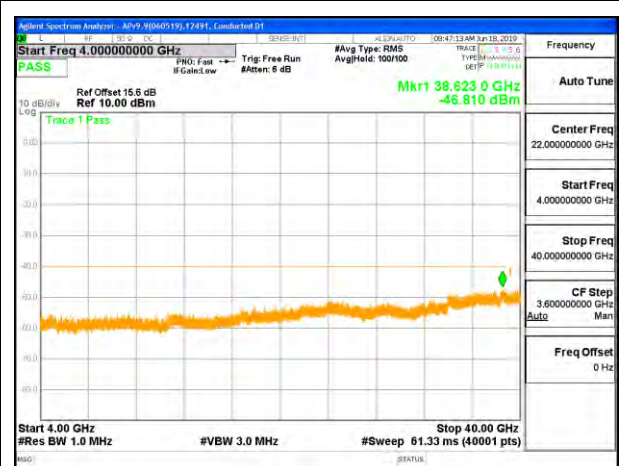
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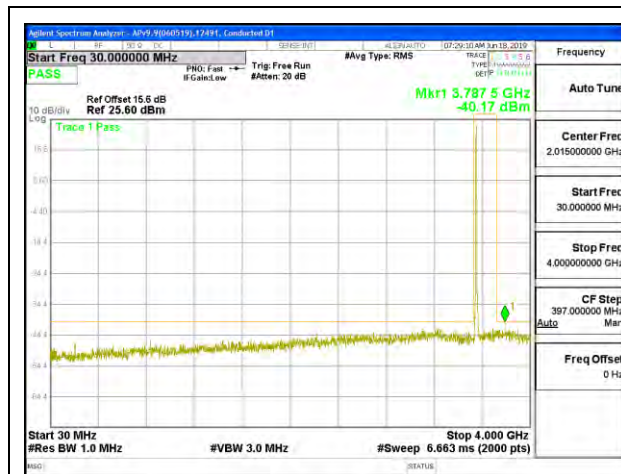
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LTE B48 15MHz QPSK High Channel RB1-0



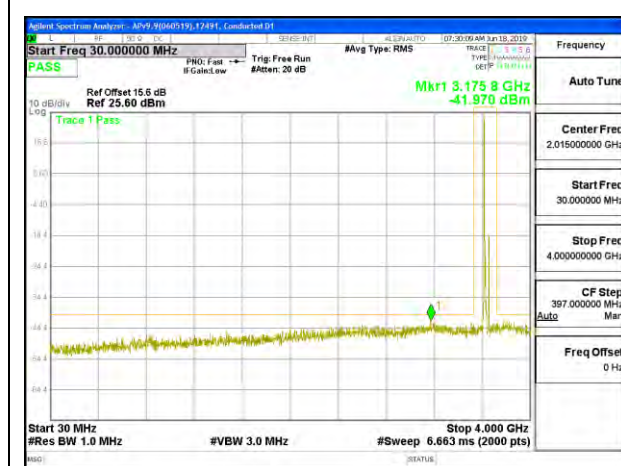
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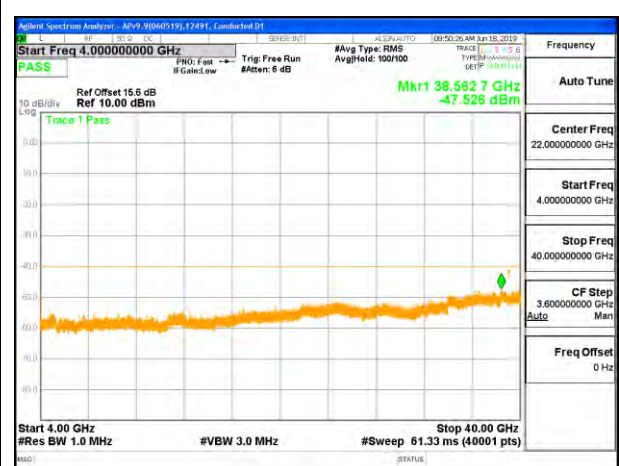
LTE B48 15MHz 16QAM Low Channel RB1-0



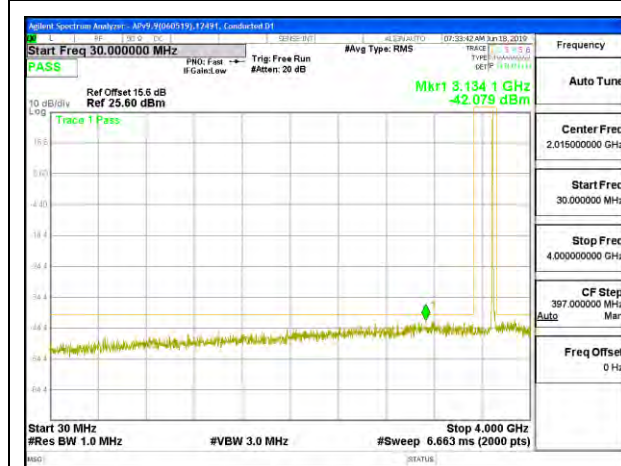
LTE B48 15MHz 16QAM Low Channel RB1-0



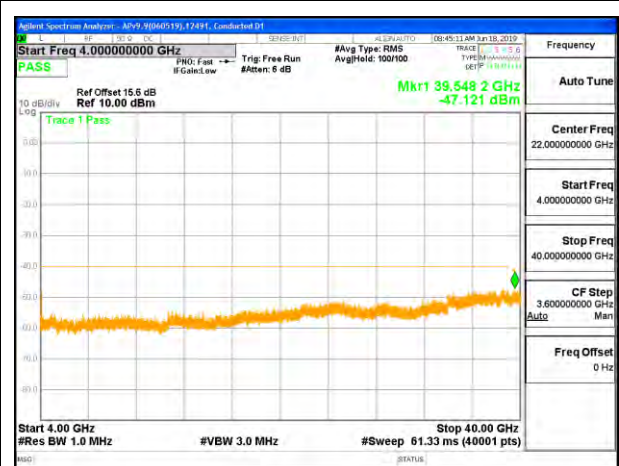
LTE B48 15MHz 16QAM Middle Channel RB1-0



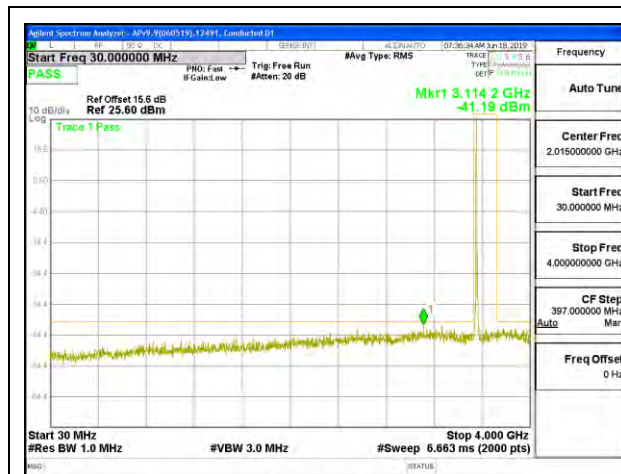
LTE B48 15MHz 16QAM Middle Channel RB1-0



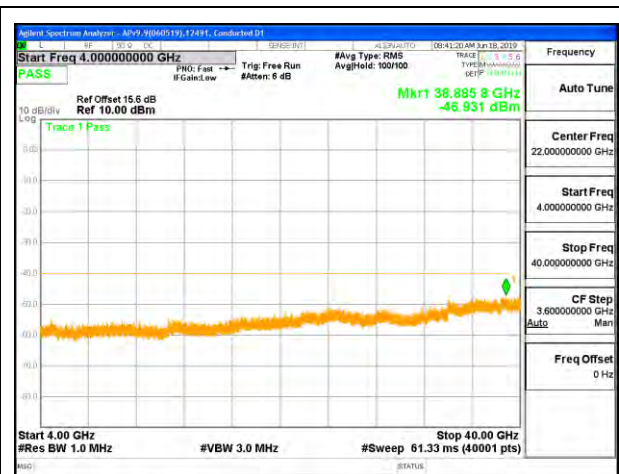
LTE B48 15MHz 16QAM High Channel RB1-0



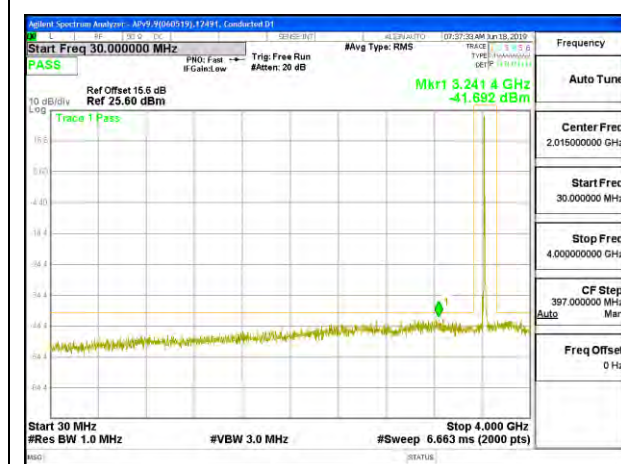
LTE B48 15MHz 16QAM High Channel RB1-0



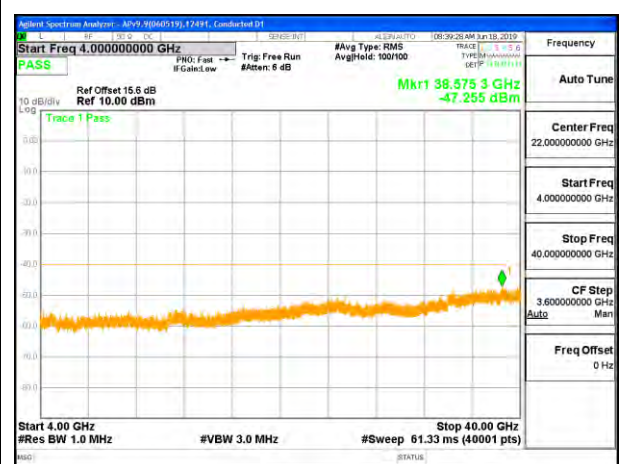
LTE B48 20MHz QPSK Low Channel RB1-0



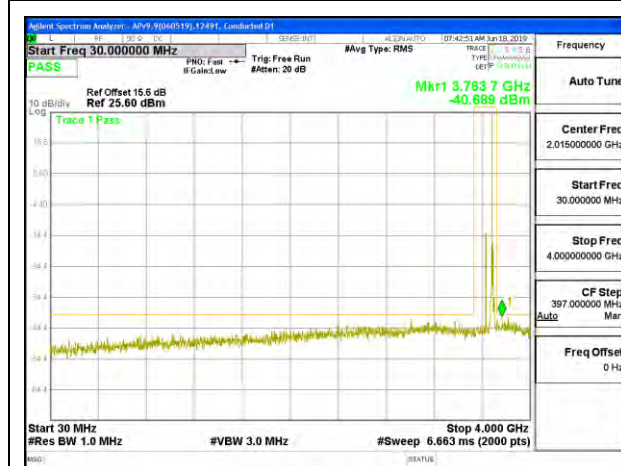
LTE B48 20MHz QPSK Low Channel RB1-0



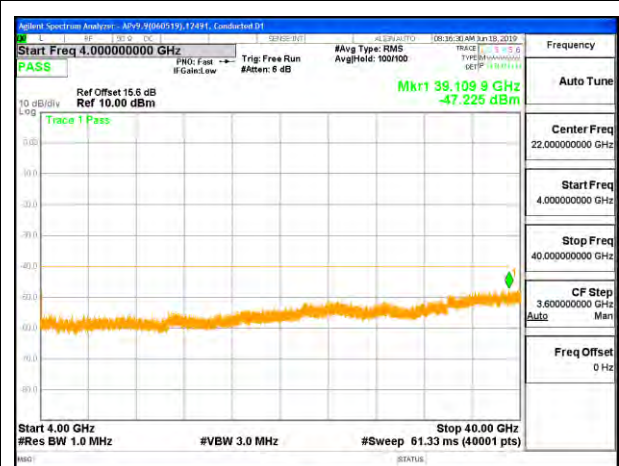
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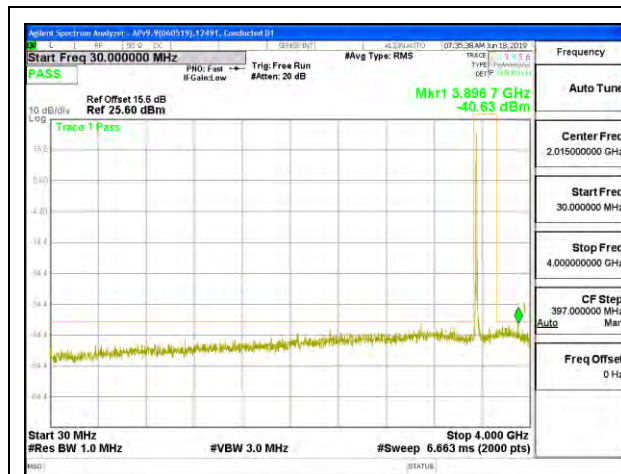
LTE B48 20MHz QPSK Middle Channel RB1-0



LTE B48 20MHz QPSK High Channel RB1-0



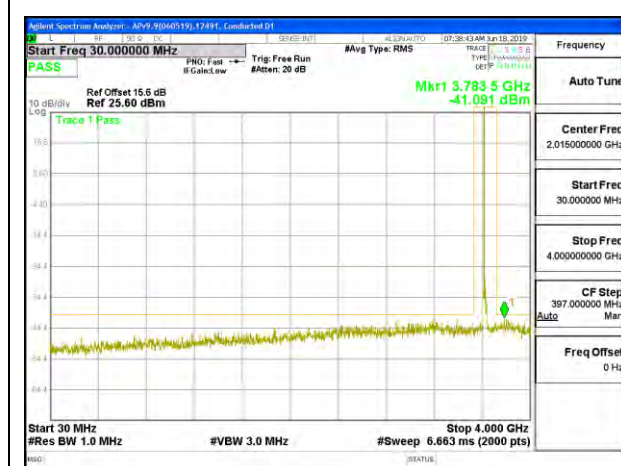
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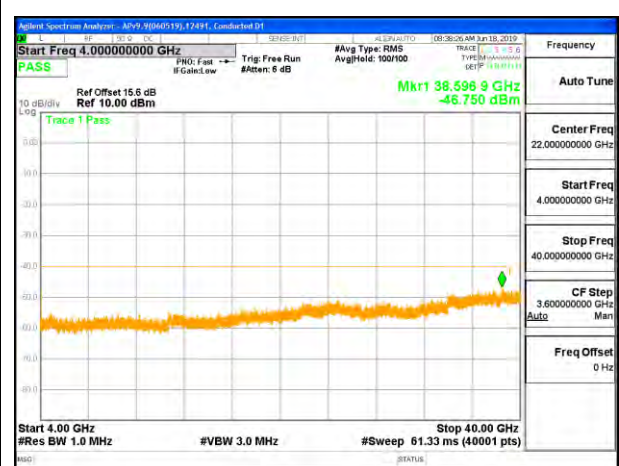
LTE B48 20MHz 16QAM Low Channel RB1-0



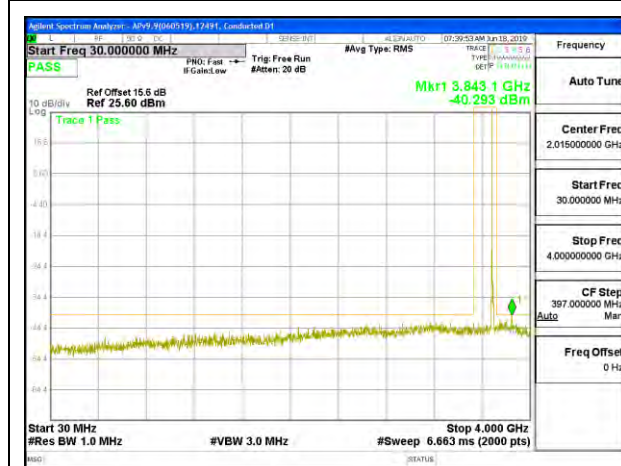
LTE B48 20MHz 16QAM Low Channel RB1-0



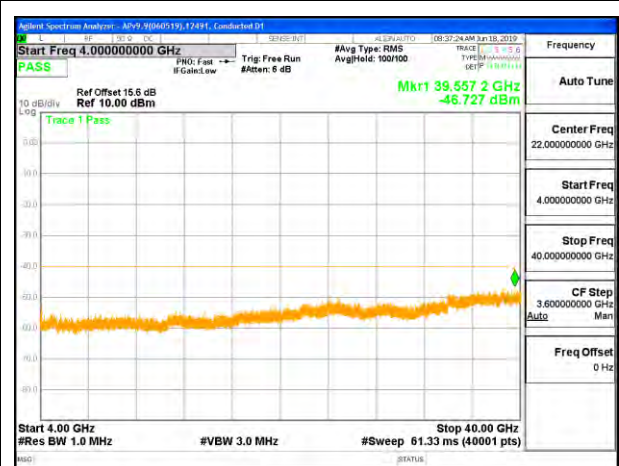
LTE B48 20MHz 16QAM Middle Channel RB1-0



LTE B48 20MHz 16QAM Middle Channel RB1-0

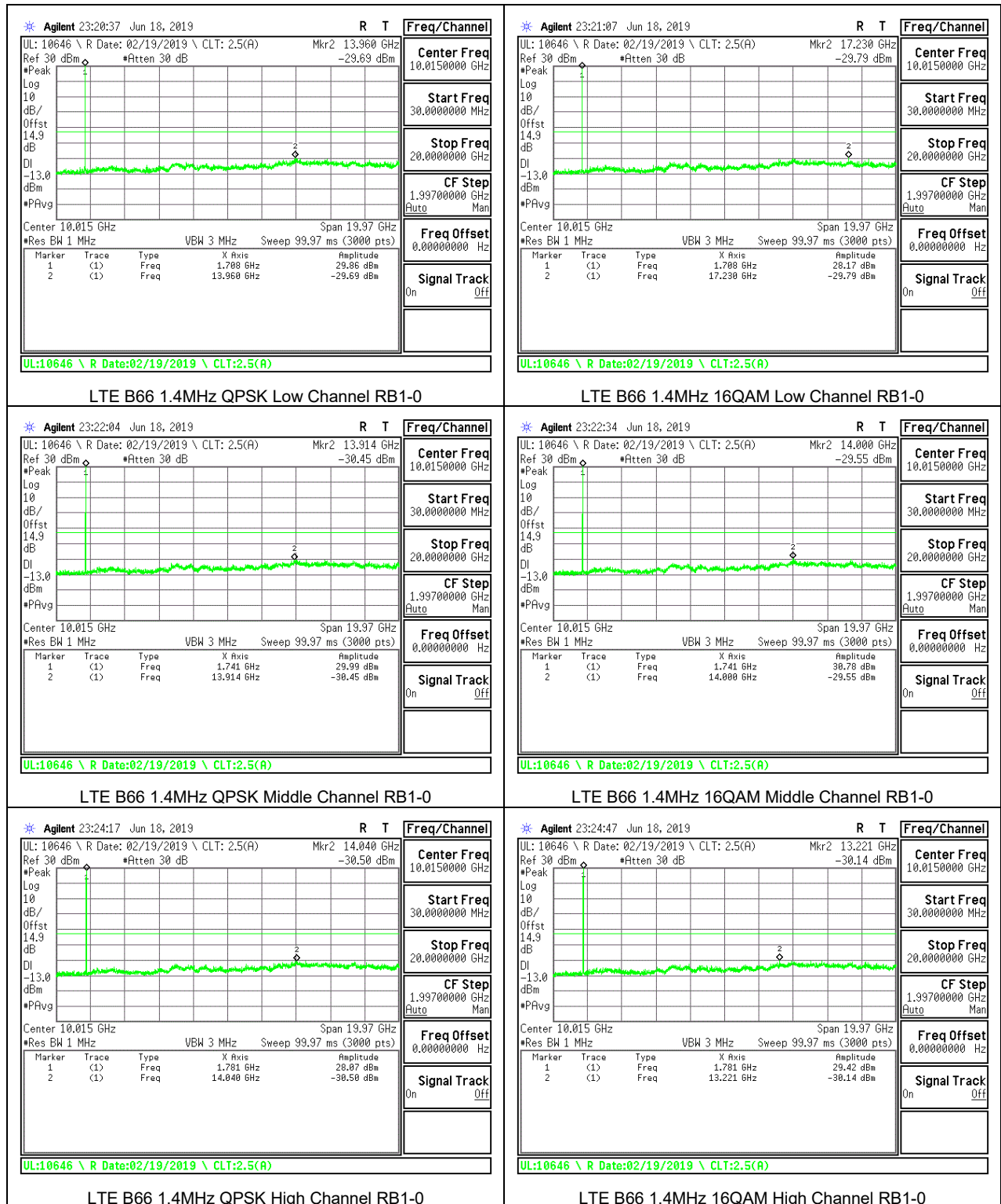


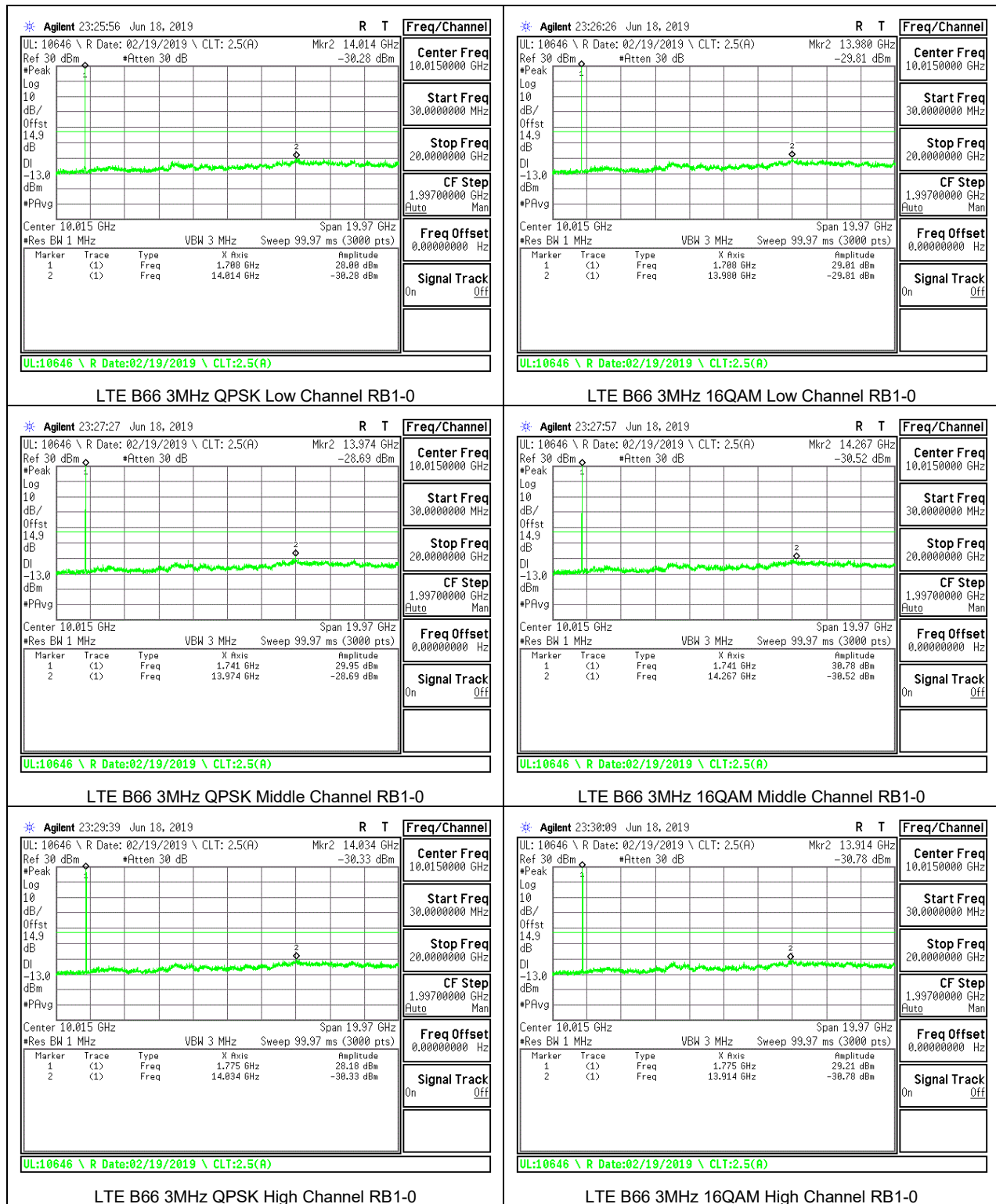
LTE B48 20MHz 16QAM High Channel RB1-0

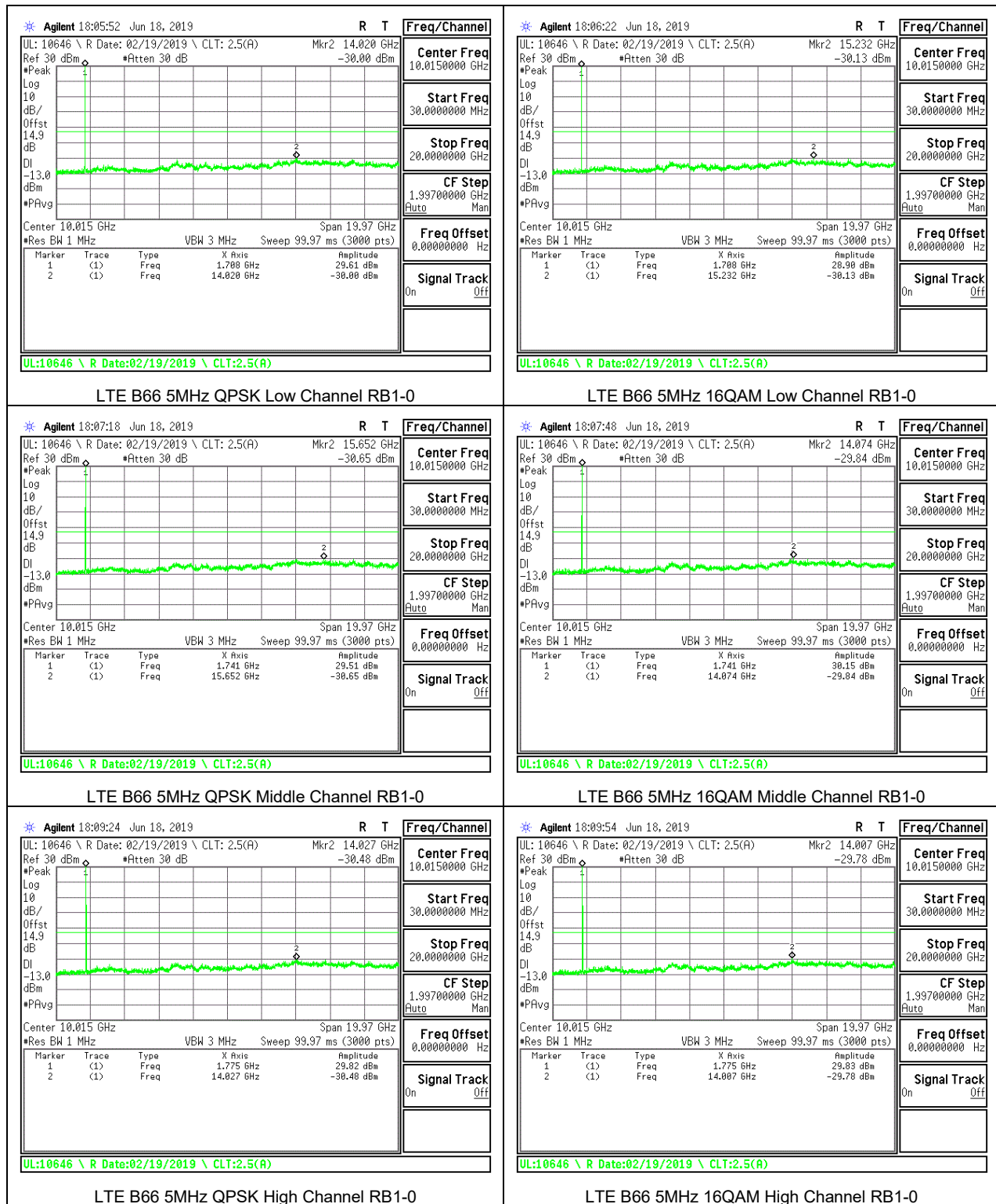


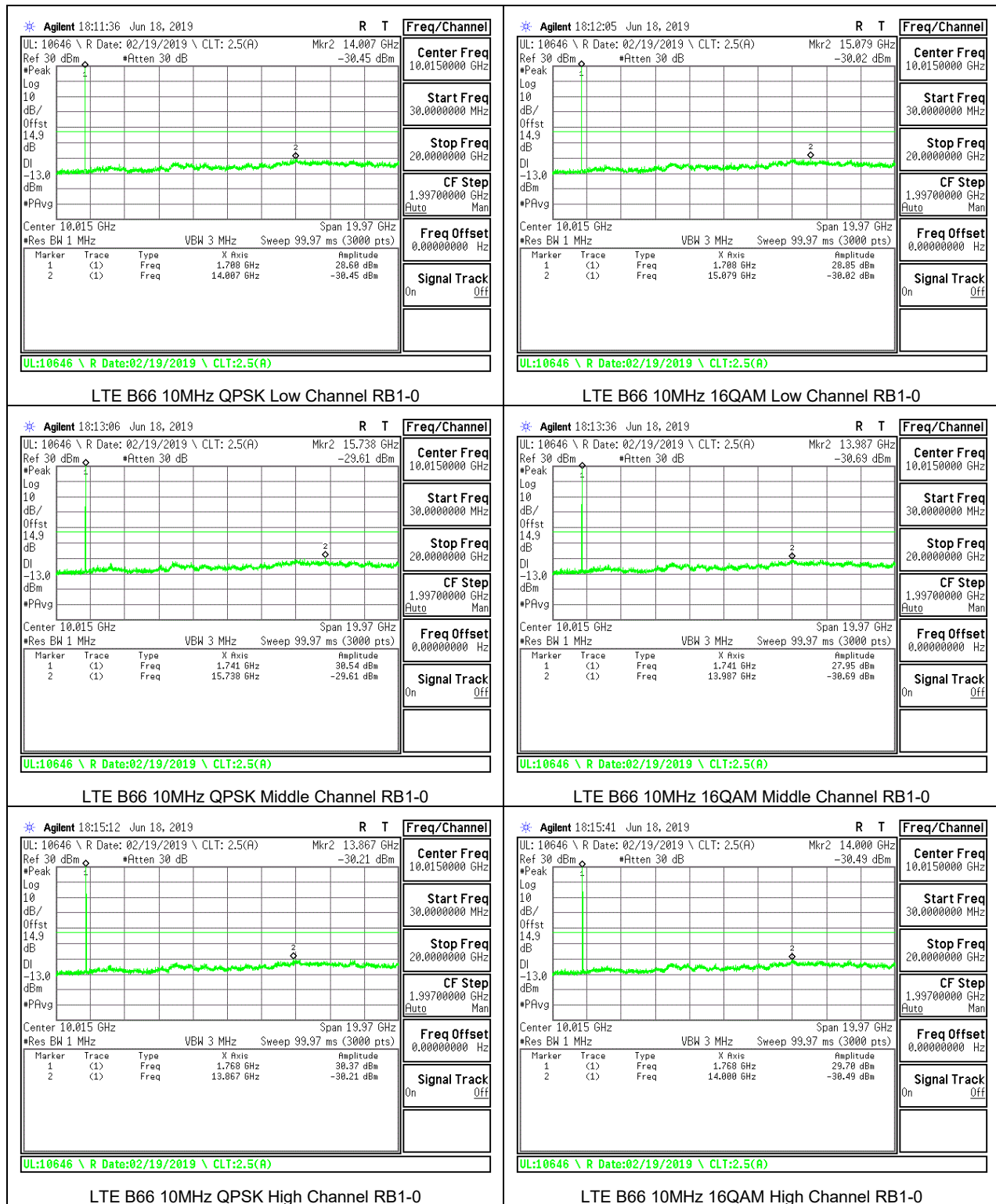
LTE B48 20MHz 16QAM High Channel RB1-0

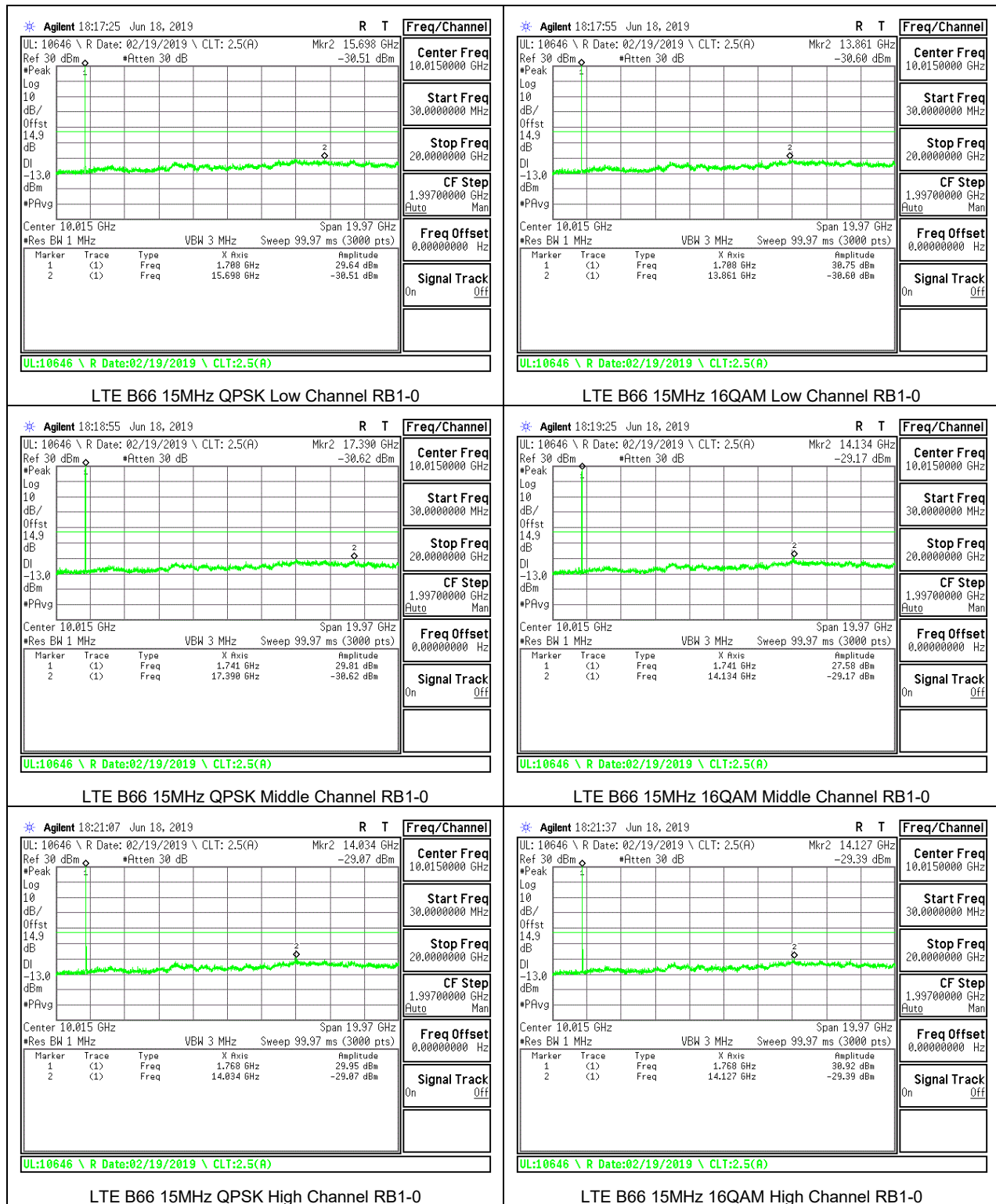
8.3.12. LTE BAND 66

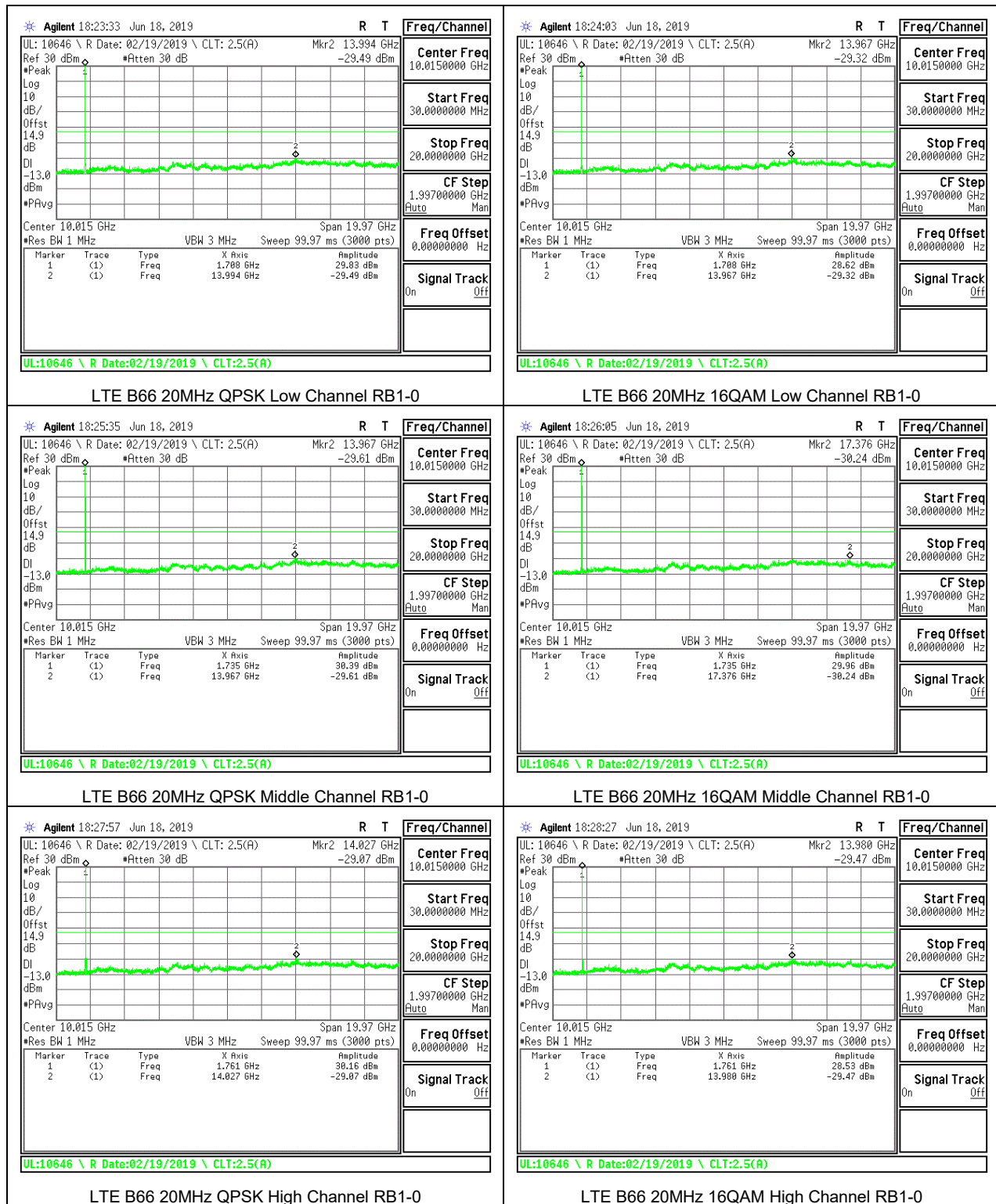












8.4. FREQUENCY STABILITY

RULE PART(S)

FCC: §2.1055, §22.355, §24.235, §27.54, §90.213 and §90.539

LIMITS

FCC: §22.355, §90.213

The carrier frequency shall not depart from the reference frequency in excess of ± 2.5 ppm for mobile stations.

FCC: §90.539

(e) The frequency stability of mobile, portable and control transmitters operating in the wideband segment must be 1.25 ppm or better when AFC is locked to a base station, and 5 ppm or better when AFC is not locked.

FCC: §24.235 & §27.54

The frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

TEST PROCEDURE

Use CMW 500 with Frequency Error measurement capability.

- Temp. = -30°C to $+50^{\circ}\text{C}$
- Voltage = (85% - 115%)
Low voltage, 3.23VDC, Normal, 3.8VDC and High voltage, 4.37VDC.
End Voltage, 3.2VDC.

Frequency Stability vs Temperature:

The EUT is placed inside a temperature chamber. The temperature is set to 20°C and allowed to stabilize. After sufficient soak time, the transmitting frequency error is measured. The temperature is increased by 10 degrees, allowed to stabilize and soak, and then the measurement is repeated. This is repeated until $+50^{\circ}\text{C}$ is reached.

Frequency Stability vs Voltage:

The peak frequency error is recorded (worst-case).

MODES TESTED

- LTE Band 2
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 41
- LTE Band 48
- LTE Band 66

RESULTS

See the following pages.

8.4.1. LTE BAND 2

ID:	38602	Date:	6/2/19
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QPSK, (20MHz BANDWIDTH)

Limit		1850	1910	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	1851.0051	1908.9991		
Extreme (50C)		1851.0051	1908.9991	-10.8	-0.006
Extreme (40C)		1851.0051	1908.9991	-13.0	-0.007
Extreme (30C)		1851.0051	1908.9991	10.3	0.005
Extreme (10C)		1851.0051	1908.9991	9.3	0.005
Extreme (0C)		1851.0051	1908.9991	13.5	0.007
Extreme (-10C)		1851.0051	1908.9991	15.2	0.008
Extreme (-20C)		1851.0051	1908.9991	22.8	0.012
Extreme (-30C)		1851.0051	1908.9991	-15.9	-0.008
20C	15%	1851.0051	1908.9991	17.7	0.009
	-15%	1851.0051	1908.9991	15.8	0.008
	End Point	1851.0051	1908.9991	15.1	0.008

8.4.2. LTE BAND 5

ID:	38602	Date:	6/3/19
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QPSK, (10MHz BANDWIDTH)

Limit		824	849	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	824.3557	848.7076		
Extreme (50C)		824.3557	848.7076	24.4	0.029
Extreme (40C)		824.3557	848.7076	15.8	0.019
Extreme (30C)		824.3557	848.7076	-16.3	-0.019
Extreme (10C)		824.3557	848.7076	-20.1	-0.024
Extreme (0C)		824.3557	848.7076	18.9	0.023
Extreme (-10C)		824.3557	848.7076	17.5	0.021
Extreme (-20C)		824.3557	848.7076	15.1	0.018
Extreme (-30C)		824.3557	848.7076	-20.0	-0.024
20C	15%	824.3557	848.7076	18.9	0.023
	-15%	824.3557	848.7076	19.0	0.023
	End Point	824.3557	848.7076	18.2	0.022

8.4.3. LTE BAND 7

ID:	38602	Date:	6/3/19
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QPSK, (20MHz BANDWIDTH)

Limit		2500	2570	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	2501.0061	2568.9886		
Extreme (50C)		2501.0061	2568.9886	14.4	0.006
Extreme (40C)		2501.0061	2568.9886	13.8	0.005
Extreme (30C)		2501.0061	2568.9886	13.4	0.005
Extreme (10C)		2501.0061	2568.9886	15.6	0.006
Extreme (0C)		2501.0061	2568.9886	14.7	0.006
Extreme (-10C)		2501.0061	2568.9886	-26.2	-0.010
Extreme (-20C)		2501.0061	2568.9886	18.0	0.007
Extreme (-30C)		2501.0061	2568.9886	19.3	0.008
20C	15%	2501.0061	2568.9886	18.6	0.007
	-15%	2501.0061	2568.9886	-20.6	-0.008
	End Point	2501.0061	2568.9886	-18.2	-0.007

8.4.4. LTE BAND 12

ID:	38602	Date:	6/3/19
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QPSK, (10MHz BANDWIDTH)

Limit		699	716	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	699.4876	715.5023		
Extreme (50C)		699.4876	715.5023	16.9	0.024
Extreme (40C)		699.4876	715.5023	-18.3	-0.026
Extreme (30C)		699.4876	715.5023	-21.6	-0.031
Extreme (10C)		699.4876	715.5023	-21.9	-0.031
Extreme (0C)		699.4876	715.5023	-23.0	-0.033
Extreme (-10C)		699.4876	715.5023	-17.9	-0.025
Extreme (-20C)		699.4876	715.5023	-20.2	-0.029
Extreme (-30C)		699.4876	715.5023	-20.1	-0.028
20C	15%	699.4876	715.5023	-21.0	-0.030
	-15%	699.4876	715.5023	-21.1	-0.030
	End Point	699.4876	715.5023	-20.9	-0.029

8.4.5. LTE BAND 13

ID:	38602	Date:	6/3/19
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QPSK, (10MHz BANDWIDTH)

Limit		777	787	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	777.2278	786.7962		
Extreme (50C)		777.2278	786.7962	-24.6	-0.031
Extreme (40C)		777.2278	786.7962	-22.0	-0.028
Extreme (30C)		777.2278	786.7962	-19.0	-0.024
Extreme (10C)		777.2278	786.7962	18.5	0.024
Extreme (0C)		777.2278	786.7962	-18.9	-0.024
Extreme (-10C)		777.2278	786.7962	-24.4	-0.031
Extreme (-20C)		777.2278	786.7962	-22.1	-0.028
Extreme (-30C)		777.2278	786.7962	-20.6	-0.026
20C	15%	777.2278	786.7962	-26.6	-0.034
	-15%	777.2278	786.7962	-21.7	-0.028
	End Point	777.2278	786.7962	-23.1	-0.030

8.4.6. LTE BAND 17

ID:	30606	Date:	6/3/19
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QPSK, (10MHz BANDWIDTH)

Limit		704	716	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm	F high @ -13dBm		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	704.4382	715.5190		
Extreme (50C)		704.4382	715.5190	5.7	0.008
Extreme (40C)		704.4382	715.5190	5.6	0.008
Extreme (30C)		704.4382	715.5190	5.3	0.007
Extreme (10C)		704.4382	715.5190	5.6	0.008
Extreme (0C)		704.4382	715.5190	6.6	0.009
Extreme (-10C)		704.4382	715.5190	5.0	0.007
Extreme (-20C)		704.4382	715.5190	5.2	0.007
Extreme (-30C)		704.4382	715.5190	4.7	0.007
20C	15%	704.4382	715.5190	5.3	0.007
	-15%	704.4382	715.5190	6.2	0.009
	End Point	704.4382	715.5190	4.9	0.007

8.4.7. LTE BAND 25

ID:	30606	Date:	6/3/19
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QPSK, (20MHz BANDWIDTH)

Limit		1850	1915	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm	F high @ -13dBm		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1851.0161	1913.9899		
Extreme (50C)		1851.0161	1913.9899	-16.6	-0.009
Extreme (40C)		1851.0161	1913.9899	17.4	0.009
Extreme (30C)		1851.0161	1913.9899	14.7	0.008
Extreme (10C)		1851.0161	1913.9899	-18.6	-0.010
Extreme (0C)		1851.0161	1913.9899	-14.8	-0.008
Extreme (-10C)		1851.0161	1913.9899	19.4	0.010
Extreme (-20C)		1851.0161	1913.9899	-14.6	-0.008
Extreme (-30C)		1851.0161	1913.9899	-17.0	-0.009
20C	15%	1851.0161	1913.9899	17.2	0.009
	-15%	1851.0161	1913.9899	14.4	0.008
	End Point	1851.0161	1913.9899	15.3	0.008

8.4.8. LTE BAND 26 (PART 90S)

ID:	30606	Date:	6/4/19
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QPSK, (10MHz BANDWIDTH)

Limit		814	824	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	814.2242	823.8001		
Extreme (50C)		814.2242	823.8001	6.3	0.008
Extreme (40C)		814.2242	823.8001	5.9	0.007
Extreme (30C)		814.2242	823.8001	5.4	0.007
Extreme (10C)		814.2242	823.8001	6.2	0.008
Extreme (0C)		814.2242	823.8001	6.5	0.008
Extreme (-10C)		814.2242	823.8001	6.9	0.008
Extreme (-20C)		814.2242	823.8001	6.8	0.008
Extreme (-30C)		814.2242	823.8001	6.9	0.008
20C	15%	814.2242	823.8001	7.4	0.009
	-15%	814.2242	823.8001	5.6	0.007
	End Point	814.2242	823.8001	5.5	0.007

8.4.9. LTE BAND 30

ID:	30606	Date:	6/4/19
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QPSK, (10MHz BANDWIDTH)

Limit		2305	2315	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	2305.0431	2314.9668		
Extreme (50C)		2305.0431	2314.9668	14.4	0.006
Extreme (40C)		2305.0431	2314.9668	12.3	0.005
Extreme (30C)		2305.0431	2314.9668	14.4	0.006
Extreme (10C)		2305.0431	2314.9668	13.9	0.006
Extreme (0C)		2305.0431	2314.9668	-14.9	-0.006
Extreme (-10C)		2305.0431	2314.9668	13.3	0.006
Extreme (-20C)		2305.0431	2314.9668	-13.5	-0.006
Extreme (-30C)		2305.0431	2314.9668	14.0	0.006
20C	15%	2305.0431	2314.9668	15.4	0.007
	-15%	2305.0431	2314.9668	14.1	0.006
	End Point	2305.0431	2314.9668	-14.8	-0.006

8.4.10. LTE BAND 41

ID:	38602	Date:	6/4/19
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QPSK, (20MHz BANDWIDTH)

Limit		2496	2690	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	2496.9613	2689.0878		
Extreme (50C)		2496.9613	2689.0878	-13.7	-0.005
Extreme (40C)		2496.9613	2689.0878	-14.1	-0.005
Extreme (30C)		2496.9613	2689.0878	15.2	0.006
Extreme (10C)		2496.9613	2689.0878	-13.5	-0.005
Extreme (0C)		2496.9613	2689.0878	14.5	0.006
Extreme (-10C)		2496.9613	2689.0878	14.4	0.006
Extreme (-20C)		2496.9613	2689.0878	-15.6	-0.006
Extreme (-30C)		2496.9613	2689.0878	-16.7	-0.006
20C	15%	2496.9613	2689.0878	-15.3	-0.006
	-15%	2496.9613	2689.0878	13.3	0.005
	End Point	2496.9613	2689.0878	-14.4	-0.006

8.4.11. LTE BAND 48

ID:	23547	Date:	6/2/19
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QPSK, (20MHz BANDWIDTH)

Limit		3550	3700	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	3550.9395	3699.6570		
Extreme (50C)		3550.9395	3699.6570	-25.5	-0.007
Extreme (40C)		3550.9395	3699.6570	-38.2	-0.011
Extreme (30C)		3550.9395	3699.6570	18.2	0.005
Extreme (10C)		3550.9395	3699.6570	17.3	0.005
Extreme (0C)		3550.9395	3699.6570	-18.6	-0.005
Extreme (-10C)		3550.9395	3699.6570	-26.6	-0.007
Extreme (-20C)		3550.9395	3699.6570	-31.0	-0.009
Extreme (-30C)		3550.9395	3699.6570	-17.6	-0.005
20C	15%	3550.9395	3699.6570	17.5	0.005
	-15%	3550.9395	3699.6570	19.6	0.005
	End Point	3550.9395	3699.6570	-21.8	-0.006

8.4.12. LTE BAND 66

ID:	38602	Date:	6/4/19
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QPSK, (20MHz BANDWIDTH)

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	1711.0158	1778.9951		
Extreme (50C)		1711.0158	1778.9951	16.5	0.009
Extreme (40C)		1711.0158	1778.9951	-16.1	-0.009
Extreme (30C)		1711.0158	1778.9951	10.5	0.006
Extreme (10C)		1711.0158	1778.9951	14.7	0.008
Extreme (0C)		1711.0158	1778.9951	23.5	0.013
Extreme (-10C)		1711.0158	1778.9951	16.3	0.009
Extreme (-20C)		1711.0158	1778.9951	18.8	0.011
Extreme (-30C)		1711.0158	1778.9951	-14.7	-0.008
20C	15%	1711.0158	1778.9951	14.7	0.008
	-15%	1711.0158	1778.9951	-16.0	-0.009
	End Point	1711.0158	1778.9951	16.0	0.009

8.5. PEAK-TO-AVERAGE POWER RATIO

LIMIT

In addition, the peak-to-average power ratio (PAPR) of the transmitter shall not exceed 13 dB for more than 0.1% of the time and shall use a signal corresponding to the highest PAPR during periods of continuous transmission.

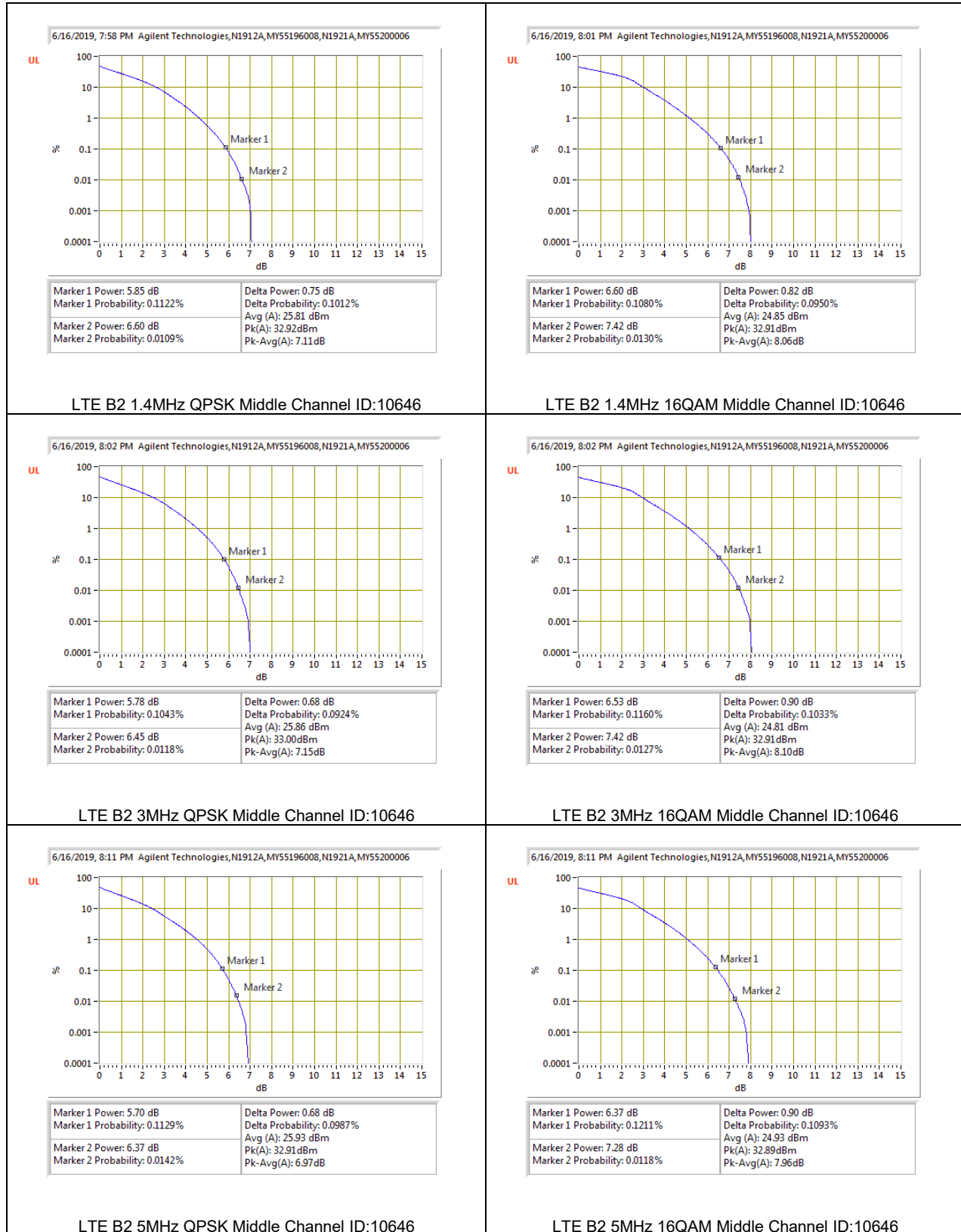
MODES TESTED

- LTE Band 2
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 41
- LTE Band 48
- LTE Band 66

RESULT

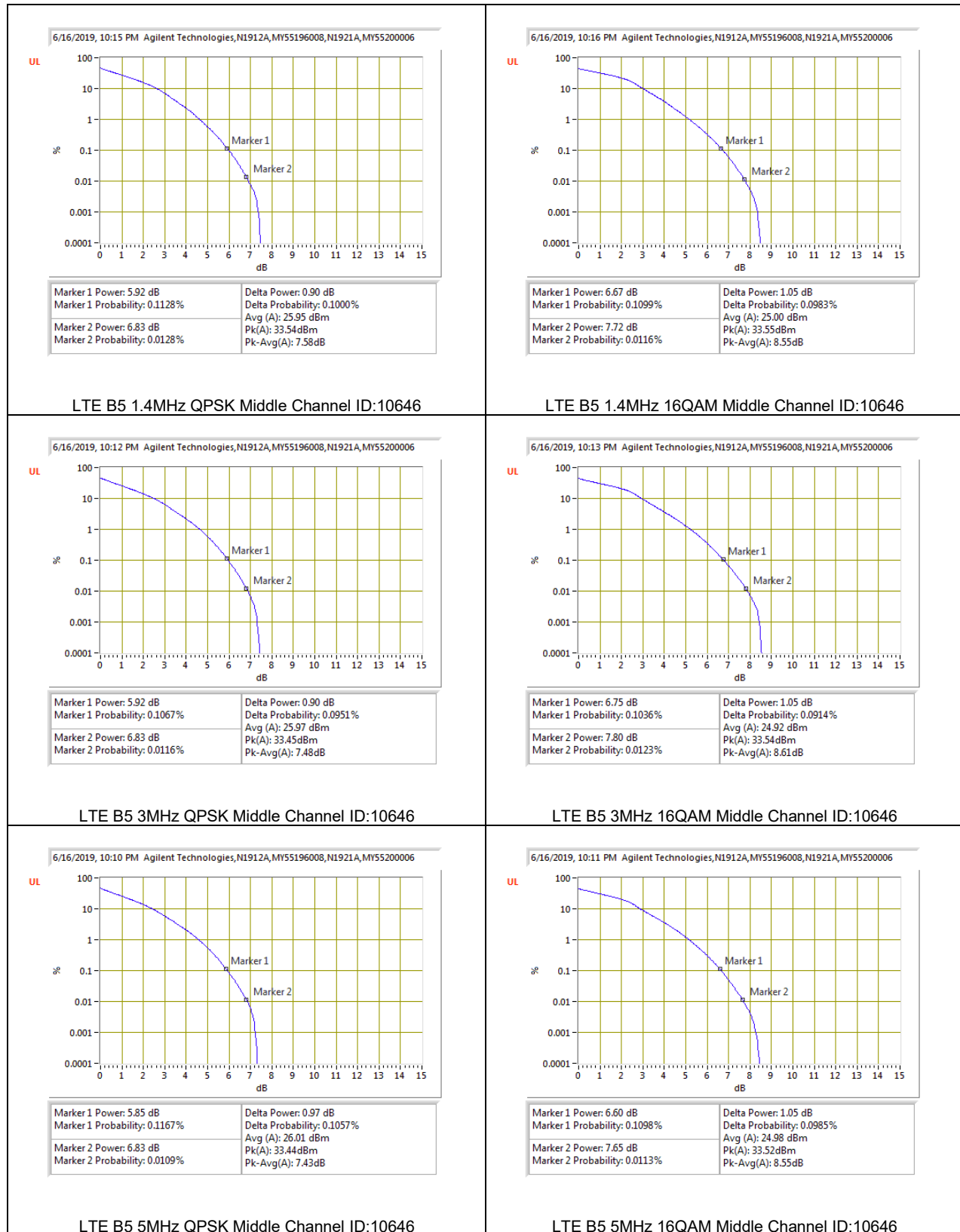
Antenna 1 was used to measure as the worst case; full resource block (FRB) for each bandwidth was used to measure as the worst case. The results from all CCDF measurements are passed with 13dB peak-to-average power ratio criteria.

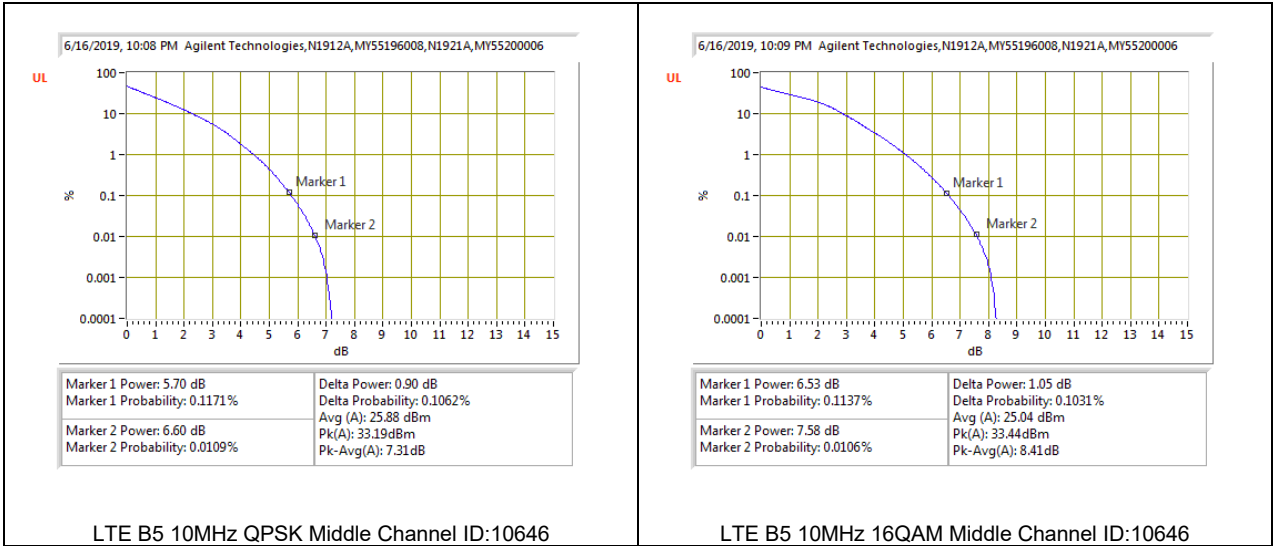
8.5.1. LTE BAND 2





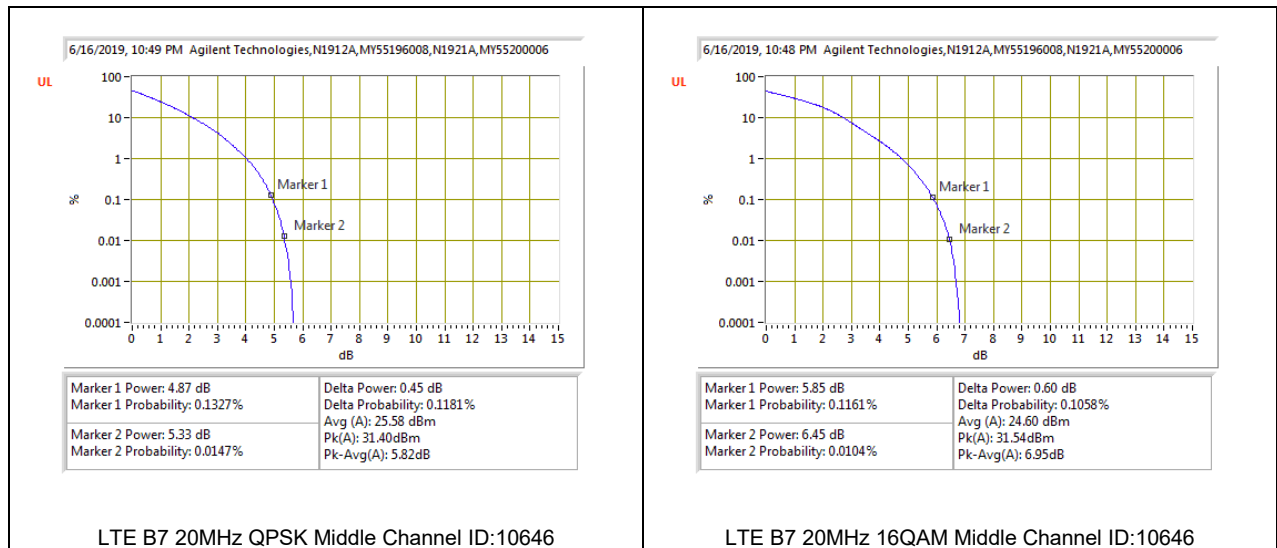
8.5.2. LTE BAND 5



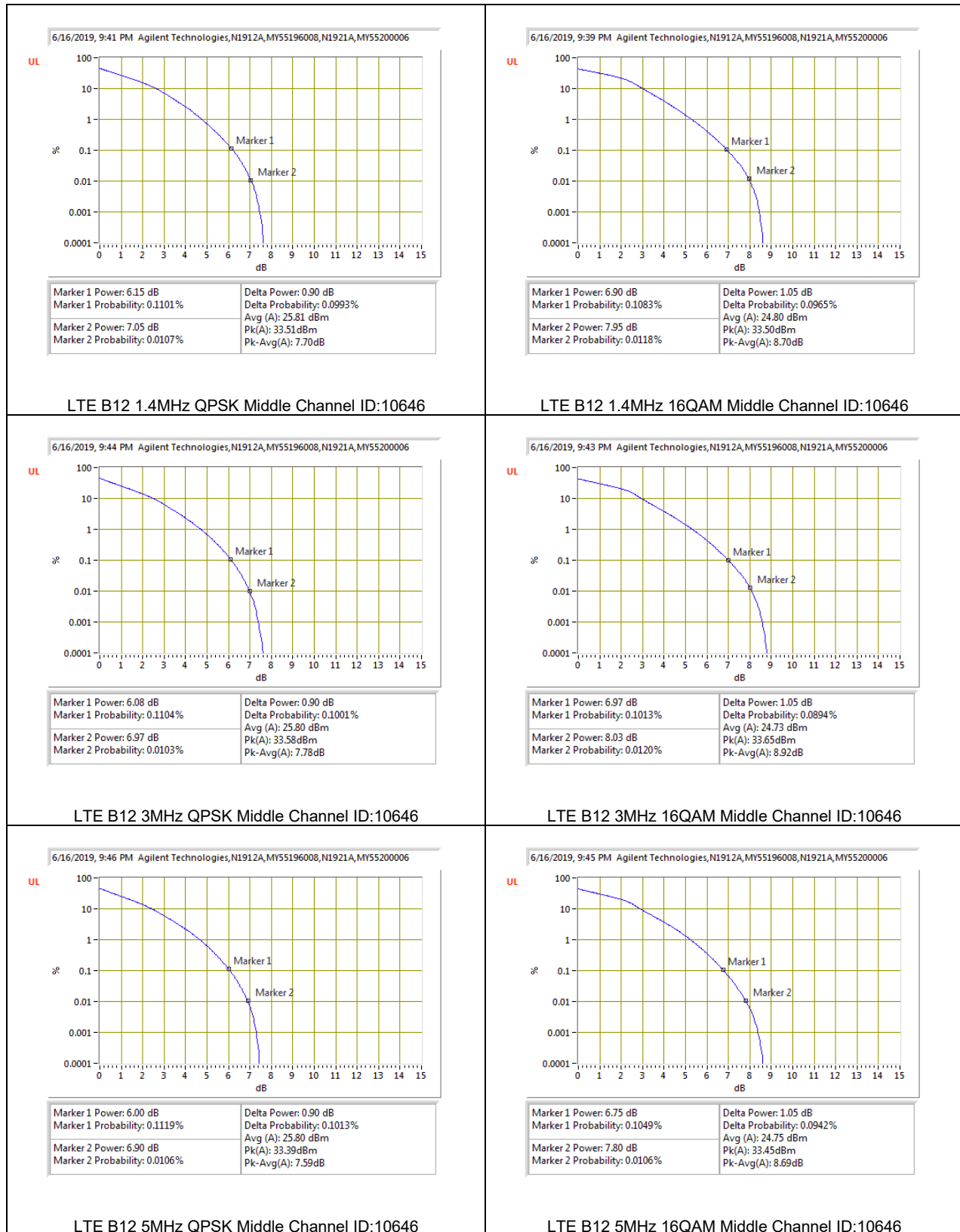


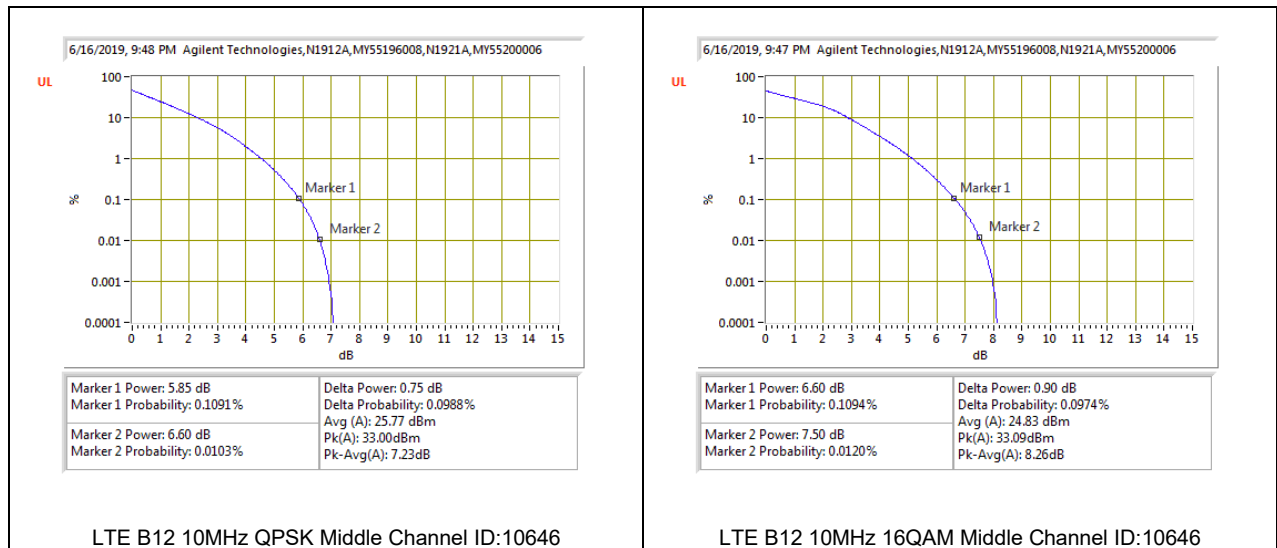
8.5.3. LTE BAND 7



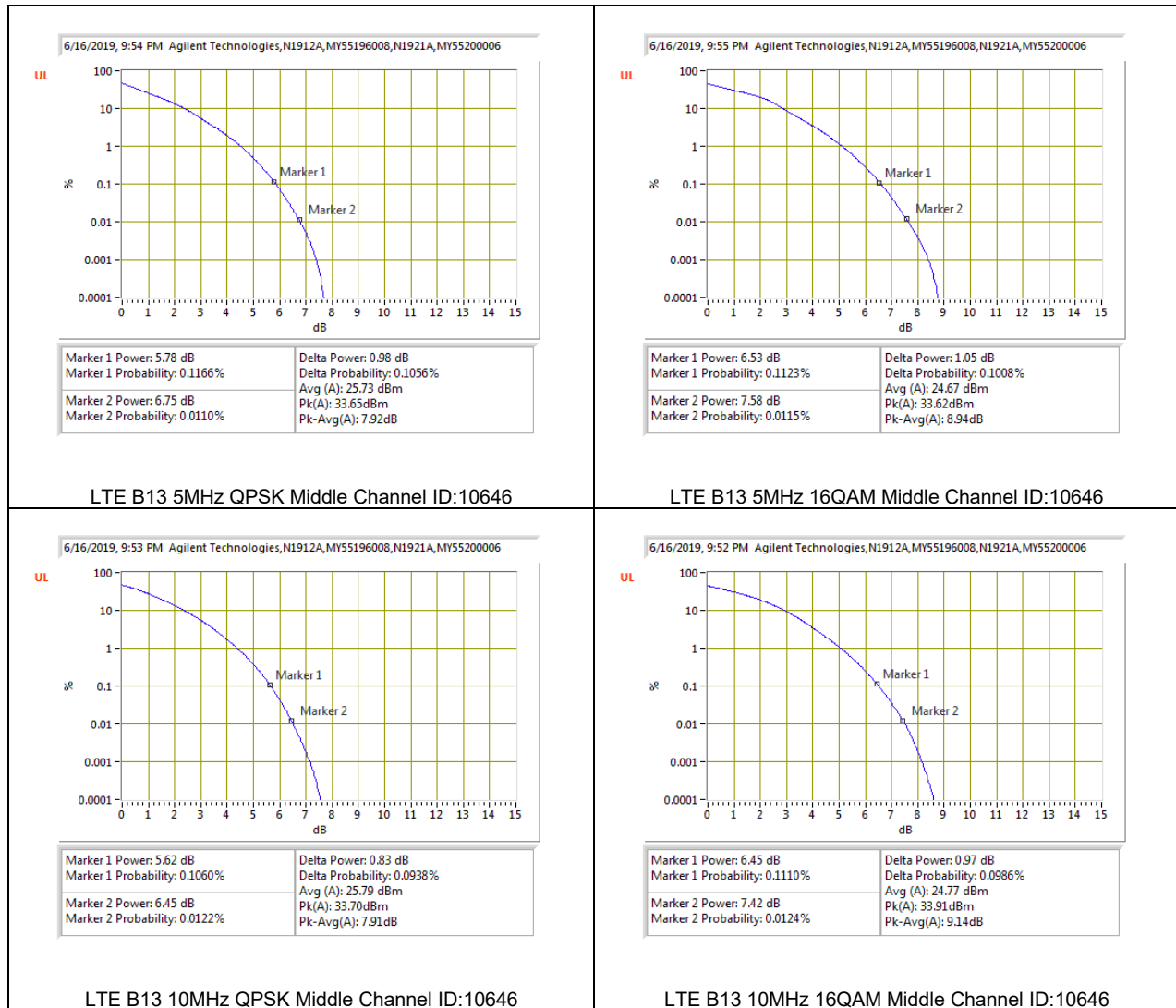


8.5.4. LTE BAND 12

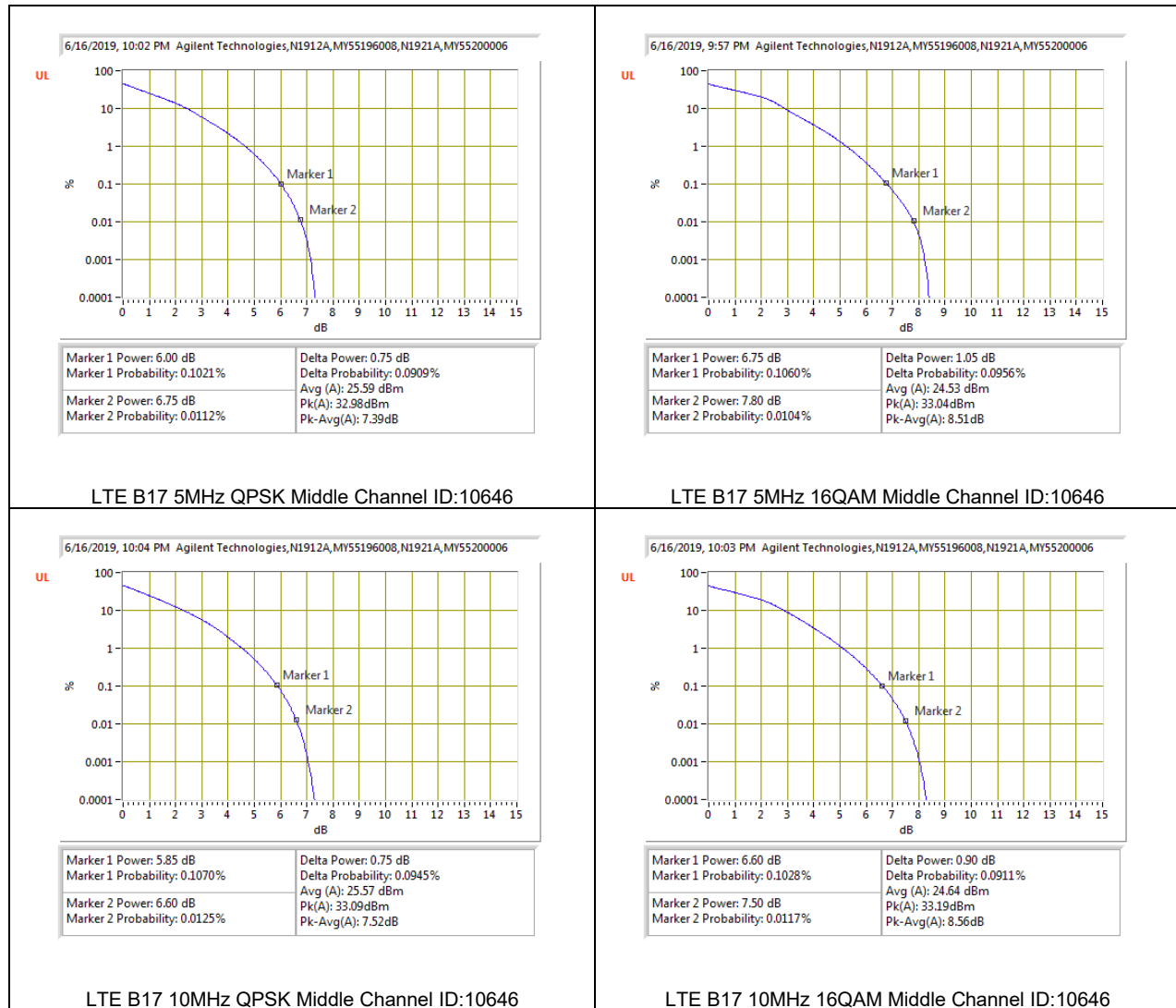




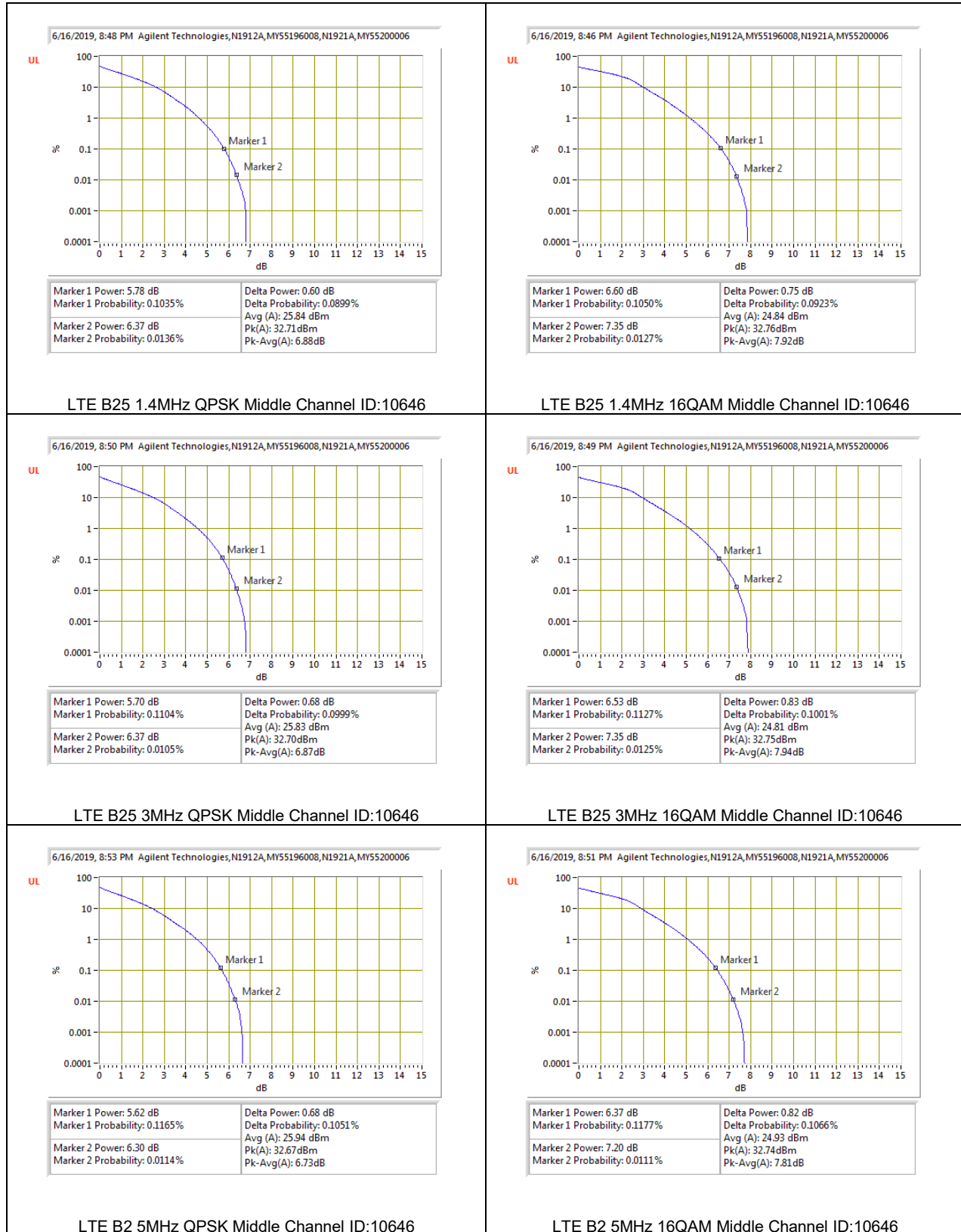
8.5.5. LTE BAND 13



8.5.6. LTE BAND 17

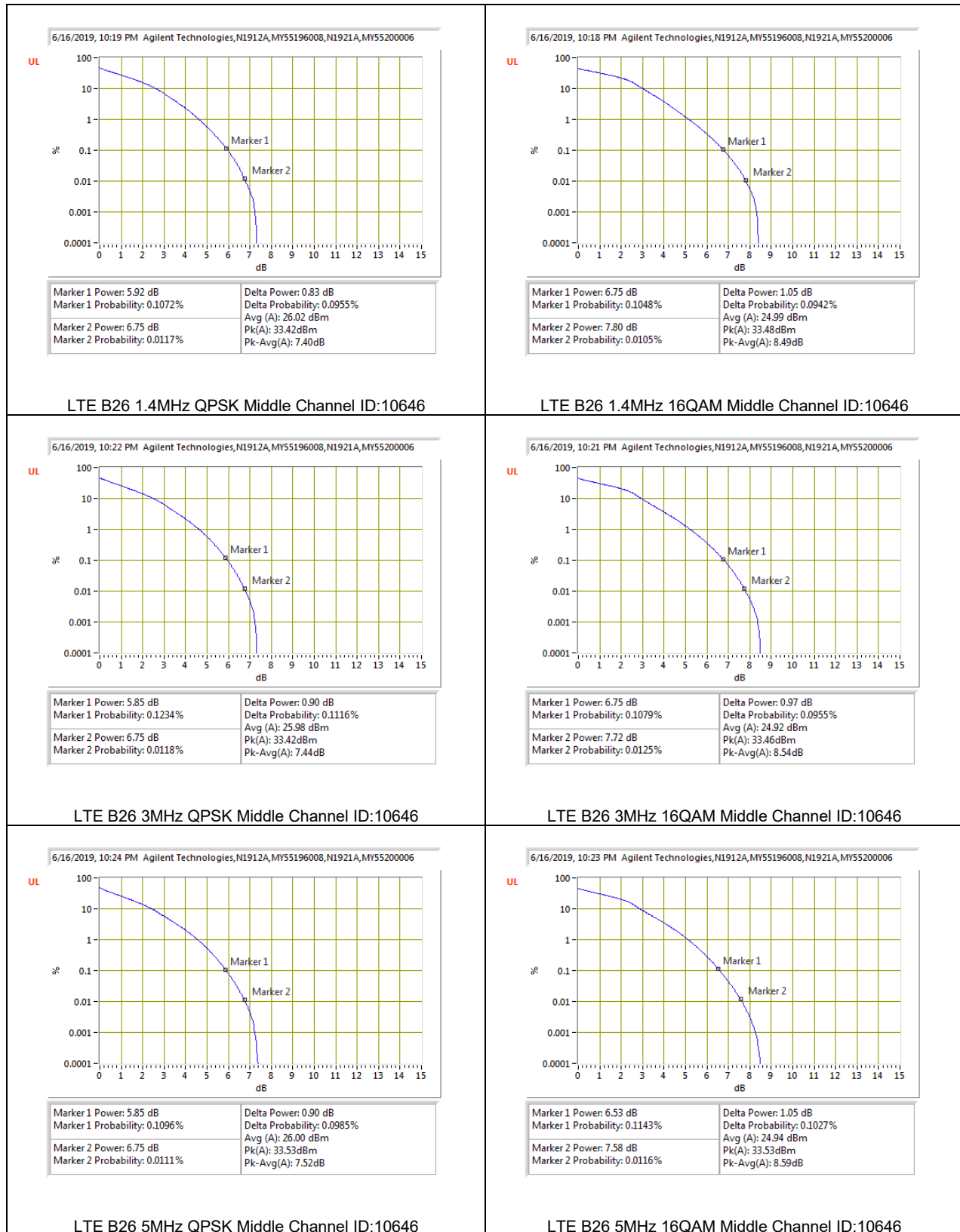


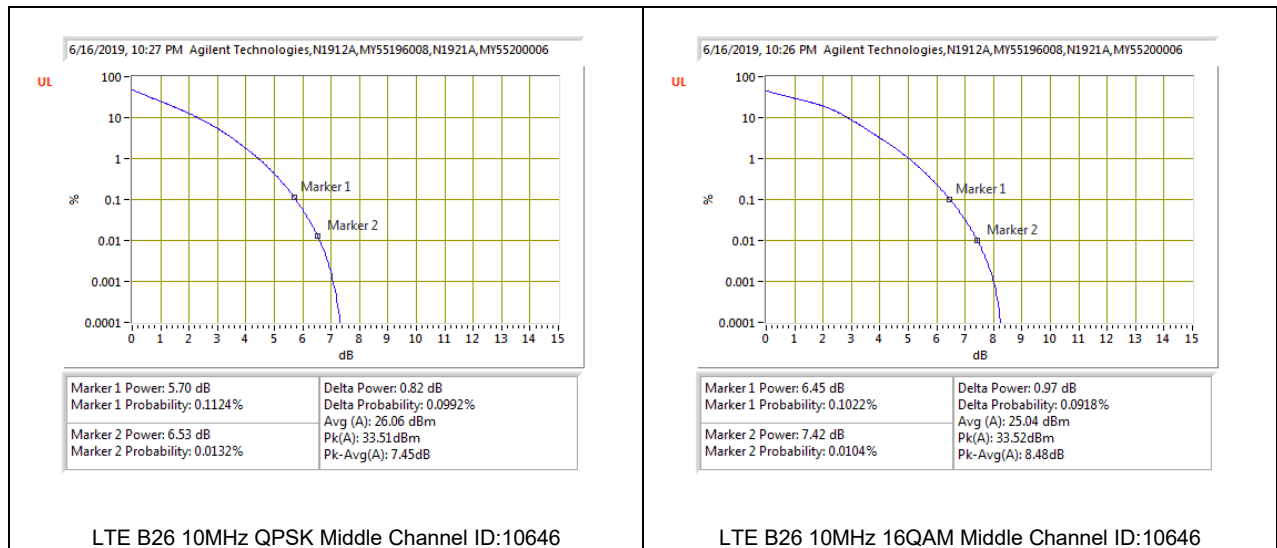
8.5.7. LTE BAND 25



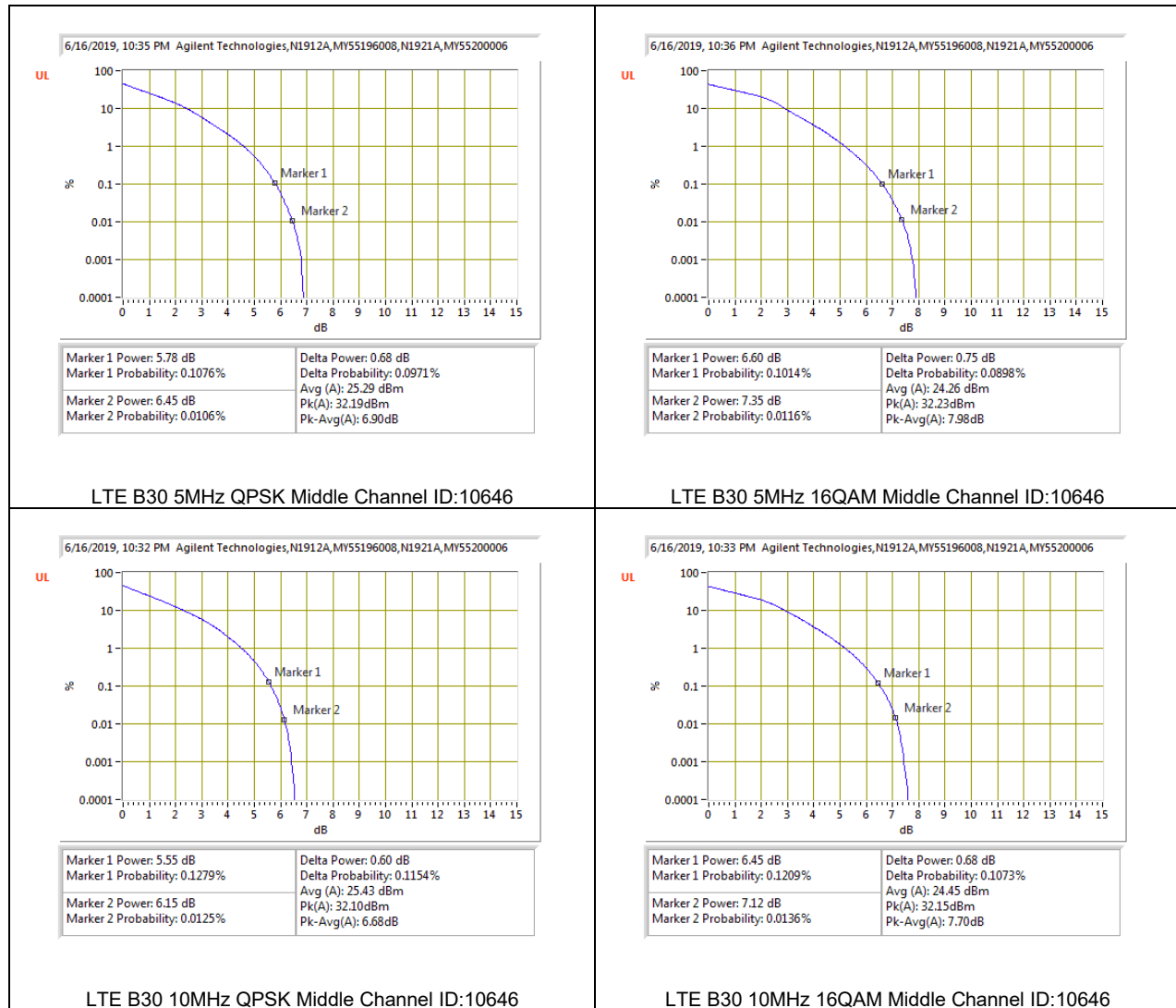


8.5.8. LTE BAND 26 (PART 90S)





8.5.9. LTE BAND 30



8.5.10. LTE BAND 41

ID:	10646	Date:	6/16/19
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
Band 41	5MHz	2595.0	25	0	QPSK	35.28	20.95	7.34
					16QAM	34.93	19.92	8.02
	10MHz		50	0	QPSK	35.04	21.03	7.02
					16QAM	34.95	20.06	7.90
	15MHz		75	0	QPSK	34.81	20.95	6.87
					16QAM	34.93	19.99	7.95
	20MHz		100	0	QPSK	34.44	20.93	6.52
					16QAM	34.60	19.92	7.69
Duty Cycle Correction Factor (dB) =			6.99					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

8.5.11. LTE BAND 48

ID:	10646	Date:	6/16/19
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Band	Bandwidth (MHz)	Frequency (MHz)	RB Allocation	RB OffSet	Modulation	Conducted Power (dBm)		Peak-to-Average Power Ratio (dB)
						Peak	Average	
Band 48	5MHz	3625.0	25	0	QPSK	32.60	18.29	7.32
					16QAM	32.42	17.27	8.16
	10MHz		50	0	QPSK	32.20	18.29	6.92
					16QAM	32.29	17.31	7.99
	15MHz		75	0	QPSK	31.88	18.21	6.68
					16QAM	31.92	17.21	7.72
	20MHz		100	0	QPSK	31.86	18.26	6.61
					16QAM	31.88	17.27	7.62
Duty Cycle Correction Factor (dB) =			6.99					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

8.5.12. LTE BAND 66





9. RADIATED TEST RESULTS

RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53, §90.669, §90.691, and §96.41

LIMIT

FCC: §22.917(a), §24.238(a), §27.53 (g), (h), §90.691

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.

FCC: §27.53 (Band 13)

(c) 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.

(f) Emissions in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals. (-70 dBW/MHz = -40 dBm/MHz).

FCC: § 90.669 Emission limits. (Band 26)

(a) On any frequency in an MTA licensee's spectrum block that is adjacent to a non-MTA frequency, the power of any emission shall be attenuated below the transmitter power (P) by at least 43 plus $10 \log_{10}(P)$ decibels or 80 decibels, whichever is the lesser attenuation.

FCC: §27.53 (a) (Band 30)

For mobile and portable stations operating in the 2305-2315 MHz: by a factor of not less than $43 + 10 \log (P)$ dB on all frequencies between 2360 and 2365 MHz, and not less than $70 + 10 \log (P)$ dB above 2365 MHz.

FCC: §27.53 (m) (Band 7, 41)

At least $55 + 10 \log (P)$ dB on all frequencies more than X megahertz from the channel edge, where X is the greater of 6 megahertz or the actual emission bandwidth as defined in paragraph (m)(6) of this section.

FCC: §96.41 (Band 48)

(e) 3.5 GHz Emissions and Interference Limits—

(2) Additional protection levels. Notwithstanding paragraph (d)(1) of this section, the conducted power of any emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

TEST PROCEDURE

KDB 971168 D01/D02 v02r01

MODES TESTED

- LTE Band 2
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 40
- LTE Band 41
- LTE Band 48
- LTE Band 66

RESULTS

For LTE Band 13, no narrow band emissions were observed in the 1559-1610MHz band, so the wide band limit of -70dBW/MHz was applied.

9.1. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 1

9.1.1. LTE BAND 2

Company:	
Project #:	12886634
Date:	05/13/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 2 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.71	-75.31	Pk	33.2	-29.9	10	-62.01	-13	-49.01	H
7.428	-77.01	Pk	35.5	-26.7	6.8	-61.41	-13	-48.41	H
3.713	-75.57	Pk	33.2	-30	9.7	-62.67	-13	-49.67	V
7.426	-77.9	Pk	35.5	-26.7	6.9	-62.2	-13	-49.2	V
5.57	-76.54	Pk	34.7	-28.5	8.4	-61.94	-13	-48.94	V
5.574	-75.94	Pk	34.6	-28.6	8.2	-61.74	-13	-48.74	H
Mid Channel, 1880MHz									
3.754	-74.23	Pk	33.3	-30	9.5	-61.43	-13	-48.43	H
7.512	-78.32	Pk	35.6	-26.3	7.7	-61.32	-13	-48.32	H
3.751	-74.68	Pk	33.3	-30.1	9.9	-61.58	-13	-48.58	V
7.518	-77.63	Pk	35.6	-26.3	7.5	-60.83	-13	-47.83	V
5.624	-76.58	Pk	34.7	-28.5	8.5	-61.88	-13	-48.88	H
5.634	-77.56	Pk	34.7	-28.6	8.6	-62.86	-13	-49.86	V
High Channel, 1900MHz									
3.792	-75.14	Pk	33.5	-30.2	10.3	-61.54	-13	-48.54	H
7.599	-76.06	Pk	35.7	-26.3	7.5	-59.16	-13	-46.16	H
3.796	-75.13	Pk	33.5	-30.2	9.5	-62.33	-13	-49.33	V
7.586	-77.46	Pk	35.6	-26.3	6.9	-61.26	-13	-48.26	V
5.691	-76.67	Pk	34.7	-28	7.8	-62.17	-13	-49.17	V
5.695	-76.6	Pk	34.6	-28.1	7.7	-62.4	-13	-49.4	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/13/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 2 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.729	-76.45	Pk	33.2	-30.1	9.9	-63.45	-13	-50.45	H
7.722	-76.05	Pk	35.8	-25.8	7.6	-58.45	-13	-45.45	H
3.726	-75.51	Pk	33.2	-30.1	10	-62.41	-13	-49.41	V
7.722	-76.18	Pk	35.8	-25.8	7.6	-58.58	-13	-45.58	V
5.571	-76.17	Pk	34.7	-28.5	8.4	-61.57	-13	-48.57	H
5.574	-75.73	Pk	34.6	-28.6	8.3	-61.43	-13	-48.43	V
Mid Channel, 1880MHz									
3.762	-74.16	Pk	33.4	-30.1	9.3	-61.56	-13	-48.56	H
7.511	-78.55	Pk	35.6	-26.3	7.7	-61.55	-13	-48.55	H
3.745	-74.44	Pk	33.3	-30.3	9.7	-61.74	-13	-48.74	V
7.516	-78.12	Pk	35.6	-26.2	7.5	-61.22	-13	-48.22	V
5.622	-76.09	Pk	34.6	-28.5	8.7	-61.29	-13	-48.29	V
5.627	-77.51	Pk	34.8	-28.5	8.4	-62.81	-13	-49.81	H
High Channel, 1900MHz									
3.787	-74.04	Pk	33.5	-30.1	10.2	-60.44	-13	-47.44	H
7.594	-78.09	Pk	35.6	-26.2	7.2	-61.49	-13	-48.49	H
3.783	-74.4	Pk	33.5	-30.1	9.7	-61.3	-13	-48.3	V
7.595	-77.52	Pk	35.6	-26.2	7.1	-61.02	-13	-48.02	V
5.692	-77.04	Pk	34.7	-28.1	7.8	-62.64	-13	-49.64	V
5.694	-76.2	Pk	34.6	-28.1	7.8	-61.9	-13	-48.9	H

Pk - Peak detector

9.1.2. LTE BAND 5

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	12492
Configuration:	EUT Only
Mode:	LTE 5 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 829MHz									
1.645	-66.33	Pk	28.5	-32.9	11	-59.73	-13	-46.73	H
1.652	-65.92	Pk	28.5	-32.8	9.9	-60.32	-13	-47.32	V
2.474	-64.5	Pk	32.3	-31.5	8.9	-54.8	-13	-41.8	H
2.474	-66.91	Pk	32.3	-31.5	9	-57.11	-13	-44.11	V
3.313	-66.51	Pk	32.8	-30.3	9.8	-54.21	-13	-41.21	V
3.314	-67.49	Pk	32.8	-30.3	9.6	-55.39	-13	-42.39	H
Mid Channel, 836.5MHz									
1.667	-66.02	Pk	28.6	-32.8	10.5	-59.72	-13	-46.72	H
1.673	-65.51	Pk	28.7	-32.9	9	-60.71	-13	-47.71	V
2.509	-66.13	Pk	32.4	-31.6	9.1	-56.23	-13	-43.23	H
2.511	-66.21	Pk	32.4	-31.6	9.4	-56.01	-13	-43.01	V
3.343	-68.25	Pk	32.8	-30.4	9.3	-56.55	-13	-43.55	V
3.346	-67.41	Pk	32.8	-30.4	9.1	-55.91	-13	-42.91	H
High Channel, 844MHz									
1.686	-65.84	Pk	28.7	-32.8	10.8	-59.14	-13	-46.14	H
1.693	-66.04	Pk	28.7	-32.6	9.7	-60.24	-13	-47.24	V
2.533	-66.97	Pk	32.3	-31.4	9	-57.07	-13	-44.07	H
2.533	-67.42	Pk	32.3	-31.4	9.5	-57.02	-13	-44.02	V
3.375	-67.81	Pk	32.7	-30.4	9.4	-56.11	-13	-43.11	V
3.376	-67.65	Pk	32.7	-30.4	9.1	-56.25	-13	-43.25	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	12492
Configuration:	EUT Only
Mode:	LTE 5 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 829MHz									
1.661	-66.04	Pk	28.6	-32.7	10.3	-59.84	-13	-46.84	H
2.487	-66.99	Pk	32.3	-31.5	8.7	-57.49	-13	-44.49	H
2.489	-67.13	Pk	32.3	-31.6	8.7	-57.73	-13	-44.73	V
1.656	-66.45	Pk	28.6	-32.8	9.6	-61.05	-13	-48.05	V
3.312	-68.01	Pk	32.8	-30.3	9.6	-55.91	-13	-42.91	H
3.315	-67.73	Pk	32.8	-30.3	9.7	-55.53	-13	-42.53	V
Mid Channel, 836.5MHz									
1.68	-65.83	Pk	28.7	-32.7	10.8	-59.03	-13	-46.03	H
3.35	-66.86	Pk	32.8	-30.4	9.3	-55.16	-13	-42.16	H
1.682	-65.35	Pk	28.7	-32.7	9.6	-59.75	-13	-46.75	V
3.349	-67.22	Pk	32.8	-30.4	9.4	-55.42	-13	-42.42	V
2.505	-66.68	Pk	32.4	-31.5	9.4	-56.38	-13	-43.38	V
2.511	-66.17	Pk	32.4	-31.5	9.1	-56.17	-13	-43.17	H
High Channel, 844MHz									
1.686	-64.84	Pk	28.7	-32.8	10.7	-58.24	-13	-45.24	H
1.684	-65.08	Pk	28.7	-32.8	9.8	-59.38	-13	-46.38	V
2.53	-66.29	Pk	32.4	-31.4	9.5	-55.79	-13	-42.79	V
2.534	-66.05	Pk	32.3	-31.4	9.1	-56.05	-13	-43.05	H
3.376	-67.51	Pk	32.7	-30.4	9.1	-56.11	-13	-43.11	H
3.38	-68.04	Pk	32.7	-30.5	8.9	-56.94	-13	-43.94	V

Pk - Peak detector

9.1.3. LTE BAND 7

Company:	
Project #:	12886634
Date:	05/15/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 7 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2510MHz									
5.005	-69.24	Pk	34.1	-28.5	9.4	-54.24	-25	-29.24	H
7.525	-71.12	Pk	35.7	-26.3	7.4	-54.32	-25	-29.32	H
5.012	-69.48	Pk	34.2	-28.6	8.9	-54.98	-25	-29.98	V
7.522	-71.35	Pk	35.6	-26.3	7.4	-54.65	-25	-29.65	V
10.021	-72.93	Pk	37.1	-22.8	8.2	-50.43	-25	-25.43	H
10.025	-73.9	Pk	37.1	-22.8	8.1	-51.5	-25	-26.5	V
Mid Channel, 2535MHz									
5.061	-68.31	Pk	34.2	-28.8	8.8	-54.11	-25	-29.11	H
7.61	-71.38	Pk	35.6	-26.3	7.5	-54.58	-25	-29.58	H
5.063	-68.7	Pk	34.2	-28.8	8.8	-54.5	-25	-29.5	V
7.578	-63.07	Pk	35.6	-26.3	7.2	-46.57	-25	-21.57	V
10.125	-72.64	Pk	37.2	-22.8	6.7	-51.54	-25	-26.54	V
10.221	-72.8	Pk	37.3	-22.5	7.6	-50.4	-25	-25.4	H
High Channel, 2560MHz									
5.112	-68.55	Pk	34.2	-28.8	9.3	-53.85	-25	-28.85	H
7.663	-71.14	Pk	35.7	-26	7.8	-53.64	-25	-28.64	H
5.12	-69.21	Pk	34.3	-28.9	8.8	-55.01	-25	-30.01	V
7.667	-71.15	Pk	35.7	-26	7.9	-53.55	-25	-28.55	V
10.226	-73.26	Pk	37.3	-22.7	7.6	-51.06	-25	-26.06	V
10.227	-73.68	Pk	37.3	-22.7	7.7	-51.38	-25	-26.38	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/15/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 7 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2510MHz									
5.002	-69.47	Pk	34.1	-28.5	9.4	-54.47	-25	-29.47	H
7.532	-71	Pk	35.7	-26.3	7.5	-54.1	-25	-29.1	H
5.011	-69.18	Pk	34.2	-28.6	9	-54.58	-25	-29.58	V
7.526	-71.18	Pk	35.7	-26.3	7.3	-54.48	-25	-29.48	V
10.022	-73.6	Pk	37.1	-22.8	8.2	-51.1	-25	-26.1	V
10.028	-72.68	Pk	37.1	-22.9	8.2	-50.28	-25	-25.28	H
Mid Channel, 2535MHz									
5.072	-68.6	Pk	34.2	-28.7	8.5	-54.6	-25	-29.6	H
7.596	-71.26	Pk	35.6	-26.2	7.3	-54.56	-25	-29.56	H
5.067	-68.81	Pk	34.2	-28.7	8.7	-54.61	-25	-29.61	V
7.578	-63.14	Pk	35.6	-26.3	7.2	-46.64	-25	-21.64	V
9.968	-72.84	Pk	37	-22.7	8.5	-50.04	-25	-25.04	H
10.123	-72.29	Pk	37.2	-22.8	6.8	-51.09	-25	-26.09	V
High Channel, 2560MHz									
5.112	-68.55	Pk	34.2	-28.8	9.3	-53.85	-25	-28.85	H
7.663	-71.14	Pk	35.7	-26	7.8	-53.64	-25	-28.64	H
5.121	-68.48	Pk	34.3	-28.9	8.7	-54.38	-25	-29.38	V
7.667	-70.93	Pk	35.7	-26	7.9	-53.33	-25	-28.33	V
10.227	-73.68	Pk	37.3	-22.7	7.7	-51.38	-25	-26.38	H
10.231	-73.58	Pk	37.4	-22.6	7.5	-51.28	-25	-26.28	V

Pk - Peak detector

9.1.4. LTE BAND 12

Company:	
Project #:	12886634
Date:	05/15/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 12 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 704MHz									
1.408	-65.29	Pk	28.5	-33.2	10.5	-59.49	-13	-46.49	H
2.816	-67.91	Pk	32.3	-30.9	9.7	-56.81	-13	-43.81	H
1.414	-65.46	Pk	28.4	-33.1	9.1	-61.06	-13	-48.06	V
2.822	-67.93	Pk	32.3	-30.9	9.5	-57.03	-13	-44.03	V
2.109	-66.71	Pk	31.2	-31.9	10.3	-57.11	-13	-44.11	H
2.111	-66.61	Pk	31.3	-31.9	9.5	-57.71	-13	-44.71	V
Mid Channel, 707.5MHz									
1.411	-65.26	Pk	28.5	-33.1	10.3	-59.56	-13	-46.56	H
2.823	-67.85	Pk	32.3	-30.9	9.8	-56.65	-13	-43.65	H
1.417	-65.4	Pk	28.4	-33.1	9	-61.1	-13	-48.1	V
2.123	-65.01	Pk	31.3	-31.8	10.2	-55.31	-13	-42.31	V
2.125	-65.33	Pk	31.4	-31.8	10.3	-55.43	-13	-42.43	H
2.126	-65.16	Pk	31.4	-31.8	10.3	-55.26	-13	-42.26	V
High Channel, 711MHz									
1.416	-65.82	Pk	28.4	-33.1	9.4	-61.12	-13	-48.12	H
2.833	-67.96	Pk	32.3	-31	9.5	-57.16	-13	-44.16	H
1.41	-65.23	Pk	28.5	-33.1	9.6	-60.23	-13	-47.23	V
2.839	-68.56	Pk	32.2	-30.8	9.2	-57.96	-13	-44.96	V
2.124	-65.74	Pk	31.3	-31.8	10.3	-55.94	-13	-42.94	V
2.13	-66.02	Pk	31.4	-31.8	10.6	-55.82	-13	-42.82	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/15/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 12 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 704MHz									
1.404	-65.08	Pk	28.6	-33.2	10.3	-59.38	-13	-46.38	H
2.817	-67.51	Pk	32.3	-30.9	9.6	-56.51	-13	-43.51	H
1.408	-65.1	Pk	28.5	-33.2	9.8	-60.00	-13	-47.00	V
2.817	-67.26	Pk	32.3	-30.9	9	-56.86	-13	-43.86	V
2.114	-69.07	Pk	31.3	-31.8	10.2	-59.37	-13	-46.37	H
2.115	-65.58	Pk	31.3	-31.8	9.3	-56.78	-13	-43.78	V
Mid Channel, 707.5MHz									
1.116	-63.34	Pk	27.3	-33.6	8.2	-61.44	-13	-48.44	H
2.819	-67.88	Pk	32.3	-30.8	9.6	-56.78	-13	-43.78	H
1.417	-65.71	Pk	28.4	-33.1	9	-61.41	-13	-48.41	V
2.82	-67.68	Pk	32.3	-30.9	9.3	-56.98	-13	-43.98	V
2.12	-65.65	Pk	31.3	-31.8	10.4	-55.75	-13	-42.75	H
2.123	-65.23	Pk	31.3	-31.8	10.2	-55.53	-13	-42.53	V
High Channel, 711MHz									
1.415	-65.78	Pk	28.4	-33.1	9.6	-60.88	-13	-47.88	H
2.837	-67.93	Pk	32.2	-30.9	9.5	-57.13	-13	-44.13	H
1.417	-65.51	Pk	28.4	-33.1	9	-61.21	-13	-48.21	V
2.844	-67.01	Pk	32.2	-30.7	9.2	-56.31	-13	-43.31	V
2.129	-65.9	Pk	31.4	-31.8	10.5	-55.8	-13	-42.8	H
2.131	-66.43	Pk	31.4	-31.7	10.3	-56.43	-13	-43.43	V

Pk - Peak detector

9.1.5. LTE BAND 13

Company:	
Project #:	12886634
Date:	05/16/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 13 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 782MHz									
1.562	-65.34	Pk	28	-32.8	8.9	-61.24	-40	-21.24	H
2.343	-67.17	Pk	31.6	-31.7	10	-57.27	-13	-44.27	H
1.564	-65.55	Pk	28	-32.9	10.1	-60.35	-40	-20.35	V
2.338	-66.97	Pk	31.5	-31.7	9	-58.17	-13	-45.17	V
3.126	-67.96	Pk	33.2	-30.7	9.5	-55.96	-13	-42.96	H
3.132	-67.97	Pk	33.1	-30.8	10.2	-55.47	-13	-42.47	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/16/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 13 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 782MHz									
1.573	-65.34	Pk	28	-32.8	9.3	-60.84	-40	-20.84	H
2.338	-66.85	Pk	31.5	-31.7	10	-57.05	-13	-44.05	H
1.554	-65.98	Pk	28.1	-32.8	10	-60.68	-40	-20.68	V
2.349	-67.06	Pk	31.6	-31.8	9.6	-57.66	-13	-44.66	V
3.116	-68.49	Pk	33.1	-30.5	9.8	-56.09	-13	-43.09	V
3.117	-68.19	Pk	33.1	-30.5	9.2	-56.39	-13	-43.39	H

Pk - Peak detector

9.1.6. LTE BAND 17

Company:	
Project #:	12886634
Date:	05/16/2019
Test Engineer:	39006
Configuration:	EUT Only
Mode:	LTE 17 QPSK 10MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 710MHz									
1.397	-66.24	Pk	28.9	-32.6	12.7	-57.24	-13	-44.24	V
1.42	-66.39	Pk	28.6	-32.5	10.7	-59.59	-13	-46.59	H
2.127	-66.53	Pk	31.7	-31.6	12.7	-53.73	-13	-40.73	H
2.134	-66.39	Pk	31.7	-31.7	13.3	-53.09	-13	-40.09	V
2.835	-67.83	Pk	32.4	-30.7	11.9	-54.23	-13	-41.23	H
2.867	-67.53	Pk	32.5	-30.7	12.1	-53.63	-13	-40.63	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/16/2019
Test Engineer:	39006
Configuration:	EUT Only
Mode:	LTE 17 16QAM 10MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 710MHz									
1.421	-66.31	Pk	28.6	-32.5	10.6	-59.61	-13	-46.61	V
1.422	-66.67	Pk	28.6	-32.5	10.6	-59.97	-13	-46.97	H
2.117	-65.4	Pk	31.7	-31.8	12.2	-53.3	-13	-40.3	V
2.13	-66.41	Pk	31.7	-31.6	12.5	-53.81	-13	-40.81	H
2.824	-67.39	Pk	32.4	-30.7	12.4	-53.29	-13	-40.29	V
2.837	-67.41	Pk	32.4	-30.7	11.8	-53.91	-13	-40.91	H

Pk - Peak detector

9.1.7. LTE BAND 25

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 25 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.714	-74.72	Pk	33.2	-30	9.8	-61.72	-13	-48.72	H
7.426	-77.23	Pk	35.5	-26.7	6.8	-61.63	-13	-48.63	H
3.717	-75.2	Pk	33.2	-30.1	9.6	-62.5	-13	-49.5	V
7.428	-77.19	Pk	35.5	-26.7	6.8	-61.59	-13	-48.59	V
5.567	-76.6	Pk	34.7	-28.5	8.6	-61.8	-13	-48.8	H
5.577	-76.28	Pk	34.6	-28.5	8.3	-61.88	-13	-48.88	V
Mid Channel, 1882.5MHz									
3.739	-76.04	Pk	33.3	-30.3	9.9	-63.14	-13	-50.14	H
7.514	-77.66	Pk	35.6	-26.3	7.6	-60.76	-13	-47.76	H
3.75	-73.32	Pk	33.3	-30.2	9.8	-60.42	-13	-47.42	V
7.508	-78.19	Pk	35.6	-26.4	7.9	-61.09	-13	-48.09	V
5.612	-76.76	Pk	34.7	-28.4	8.5	-61.96	-13	-48.96	V
5.613	-75.54	Pk	34.7	-28.4	8.4	-60.84	-13	-47.84	H
High Channel, 1905MHz									
3.792	-75.21	Pk	33.5	-30.2	10.2	-61.71	-13	-48.71	H
3.798	-75.92	Pk	33.5	-30.2	9.4	-63.22	-13	-50.22	V
7.605	-76.81	Pk	35.7	-26.3	7.6	-59.81	-13	-46.81	V
5.684	-75.34	Pk	34.7	-27.8	8	-60.44	-13	-47.44	V
5.685	-76.46	Pk	34.7	-27.7	8.1	-61.36	-13	-48.36	H
5.687	-76.05	Pk	34.7	-27.7	8.1	-60.95	-13	-47.95	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 25 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1860MHz									
3.72	-75.31	Pk	33.2	-30.1	9.9	-62.31	-13	-49.31	H
7.423	-76.45	Pk	35.6	-26.7	6.8	-60.75	-13	-47.75	H
3.725	-75.03	Pk	33.2	-30.1	10	-61.93	-13	-48.93	V
7.432	-77	Pk	35.5	-26.6	6.9	-61.2	-13	-48.2	V
5.568	-81.97	Pk	34.7	-28.5	8.5	-67.27	-13	-54.27	V
5.575	-76.65	Pk	34.6	-28.6	8.2	-62.45	-13	-49.45	H
Mid Channel, 1882.5MHz									
3.745	-74.65	Pk	33.3	-30.3	10	-61.65	-13	-48.65	H
7.509	-76.26	Pk	35.6	-26.3	7.7	-59.26	-13	-46.26	H
3.749	-74.36	Pk	33.3	-30.2	9.8	-61.46	-13	-48.46	V
7.521	-76.56	Pk	35.6	-26.3	7.4	-59.86	-13	-46.86	V
5.602	-77.28	Pk	34.7	-28.6	8.4	-62.78	-13	-49.78	V
5.607	-76.16	Pk	34.7	-28.4	8.6	-61.26	-13	-48.26	H
High Channel, 1905MHz									
3.795	-75.68	Pk	33.5	-30.2	10.1	-62.28	-13	-49.28	H
7.61	-77.84	Pk	35.6	-26.3	7.5	-61.04	-13	-48.04	H
3.793	-74.05	Pk	33.5	-30.2	9.7	-61.05	-13	-48.05	V
7.604	-78.15	Pk	35.7	-26.3	7.6	-61.15	-13	-48.15	V
5.676	-76.47	Pk	34.7	-28	8.5	-61.27	-13	-48.27	H
5.686	-75.71	Pk	34.7	-27.7	8	-60.71	-13	-47.71	V

Pk - Peak detector

9.1.8. LTE BAND 26 (PART 90S)

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 26(90S) QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 819MHz									
2.49	-67.01	Pk	32.3	-31.6	8.6	-57.71	-13	-44.71	H
2.487	-65.93	Pk	32.3	-31.5	8.7	-56.43	-13	-43.43	V
1.653	-64.96	Pk	28.5	-32.8	10.8	-58.46	-13	-45.46	H
1.655	-65.09	Pk	28.6	-32.8	9.7	-59.59	-13	-46.59	V
3.324	-67.93	Pk	32.8	-30.4	9.1	-56.43	-13	-43.43	V
3.329	-67.11	Pk	32.8	-30.5	8.9	-55.91	-13	-42.91	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	50822
Configuration:	EUT
Mode:	LTE 26(90S) 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 819MHz									
2.487	-66.54	Pk	32.3	-31.5	8.7	-57.04	-13	-44.04	H
1.66	-66.01	Pk	28.6	-32.7	9	-61.11	-13	-48.11	V
2.49	-66.64	Pk	32.3	-31.6	8.7	-57.24	-13	-44.24	V
1.658	-65.92	Pk	28.6	-32.7	10.6	-59.42	-13	-46.42	H
3.324	-68.63	Pk	32.8	-30.4	9.1	-57.13	-13	-44.13	V
3.328	-68.19	Pk	32.8	-30.5	9	-56.89	-13	-43.89	H

Pk - Peak detector

9.1.9. LTE BAND 30

Company:	
Project #:	12886634
Date:	05/16/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 30 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 2310MHz									
5.613	-68.72	Pk	34.7	-28.4	8.4	-54.02	-40	-14.02	H
5.613	-69.3	Pk	34.7	-28.4	8.6	-54.4	-40	-14.4	V
6.912	-68.95	Pk	35.6	-27.4	6.5	-54.25	-40	-14.25	H
6.916	-70.23	Pk	35.6	-27.3	6.4	-55.53	-40	-15.53	V
9.239	-71.21	Pk	36.3	-23.7	8	-50.61	-40	-10.61	H
9.282	-71.52	Pk	36.4	-23.8	8.4	-50.52	-40	-10.52	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/16/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 30 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 2310MHz									
4.611	-65.23	Pk	34.1	-29.5	9.4	-51.23	-40	-11.23	H
4.603	-68.85	Pk	34.1	-29.5	9.1	-55.15	-40	-15.15	V
6.92	-69.77	Pk	35.6	-27.4	6.7	-54.87	-40	-14.87	V
6.925	-69.68	Pk	35.7	-27.3	6.9	-54.38	-40	-14.38	H
9.224	-72.48	Pk	36.3	-23.6	8.1	-51.68	-40	-11.68	H
9.238	-72	Pk	36.3	-23.7	8	-51.4	-40	-11.4	V

Pk - Peak detector

9.1.10. LTE BAND 41

Company:	
Project #:	12886634
Date:	05/15/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 41 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
5.002	-69.09	Pk	34.1	-28.5	9.4	-54.09	-25	-29.09	H
7.512	-71.15	Pk	35.6	-26.3	7.7	-54.15	-25	-29.15	H
4.998	-68.84	Pk	34.1	-28.3	9.8	-53.24	-25	-28.24	V
7.515	-70.38	Pk	35.6	-26.3	7.6	-53.48	-25	-28.48	V
10.003	-73.26	Pk	37	-22.6	8.1	-50.76	-25	-25.76	H
10.011	-73.24	Pk	37	-22.6	8	-50.84	-25	-25.84	V
Mid Channel, 2593MHz									
5.183	-68.71	Pk	34.2	-28.9	9	-54.41	-25	-29.41	H
5.192	-68.92	Pk	34.2	-28.8	8.7	-54.82	-25	-29.82	V
7.753	-69.96	Pk	35.8	-26	7.5	-52.66	-25	-27.66	V
7.779	-70.75	Pk	35.8	-25.9	7.7	-53.15	-25	-28.15	H
10.351	-72.51	Pk	37.5	-22.4	6.9	-50.51	-25	-25.51	V
10.538	-73.23	Pk	37.8	-22.2	8.5	-49.13	-25	-24.13	H
High Channel, 2680MHz									
5.356	-68.6	Pk	34.5	-29	8.6	-54.5	-25	-29.5	H
8.034	-70.76	Pk	35.8	-25.5	8	-52.46	-25	-27.46	H
10.716	-78.39	Pk	38	-22	7.8	-54.59	-25	-29.59	H
5.359	-68.95	Pk	34.5	-29.1	8.8	-54.75	-25	-29.75	V
8.041	-69.58	Pk	35.7	-25.3	8.1	-51.08	-25	-26.08	V
10.723	-72.82	Pk	37.9	-22.1	7.8	-49.22	-25	-24.22	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/15/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 41 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
5.001	-68.25	Pk	34.1	-28.5	9.5	-53.15	-25	-28.15	H
7.515	-71.27	Pk	35.6	-26.3	7.6	-54.37	-25	-29.37	H
5.005	-69.24	Pk	34.2	-28.5	9.3	-54.24	-25	-29.24	V
7.512	-71.36	Pk	35.6	-26.3	7.7	-54.36	-25	-29.36	V
9.997	-73.37	Pk	37	-22.6	7.9	-51.07	-25	-26.07	V
10.001	-73.06	Pk	37	-22.5	8.1	-50.46	-25	-25.46	H
Mid Channel, 2593MHz									
5.186	-68.28	Pk	34.2	-28.9	9	-53.98	-25	-28.98	H
5.19	-68.58	Pk	34.2	-28.8	8.6	-54.58	-25	-29.58	V
7.768	-70.84	Pk	35.8	-26	7.8	-53.24	-25	-28.24	V
7.778	-71.15	Pk	35.8	-25.9	7.8	-53.45	-25	-28.45	H
10.356	-72.74	Pk	37.5	-22.3	7.1	-50.44	-25	-25.44	H
10.36	-73.07	Pk	37.5	-22.4	7.3	-50.67	-25	-25.67	V
High Channel, 2680MHz									
5.356	-68.6	Pk	34.5	-29	8.6	-54.5	-25	-29.5	H
8.034	-70.76	Pk	35.8	-25.5	8	-52.46	-25	-27.46	H
10.716	-78.39	Pk	38	-22	7.8	-54.59	-25	-29.59	H
5.359	-68.95	Pk	34.5	-29.1	8.8	-54.75	-25	-29.75	V
8.041	-69.58	Pk	35.7	-25.3	8.1	-51.08	-25	-26.08	V
10.723	-72.82	Pk	37.9	-22.1	7.8	-49.22	-25	-24.22	V

Pk - Peak detector

9.1.11. LTE BAND 48

Company:	
Project #:	12886634
Date:	5/25/19
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 48 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz									
7.116	-70.75	Pk	35.6	-26.7	7.1	-54.75	-40	-14.75	V
7.123	-71.08	Pk	35.7	-26.4	6.8	-54.98	-40	-14.98	H
10.671	-72.15	Pk	37.9	-21.9	7.9	-48.25	-40	-8.25	V
10.674	-72.97	Pk	37.9	-21.9	8.1	-48.87	-40	-8.87	H
14.227	-72.73	Pk	39.1	-20.9	9.2	-45.33	-40	-5.33	V
14.233	-72.58	Pk	39.1	-20.9	9.2	-45.18	-40	-5.18	H
Mid Channel, 3625MHz									
7.252	-71.13	Pk	35.5	-26.2	7.6	-54.23	-40	-14.23	V
7.254	-70.94	Pk	35.5	-26.2	7.3	-54.34	-40	-14.34	H
10.878	-72.23	Pk	38	-21.8	7.3	-48.73	-40	-8.73	H
10.88	-73.08	Pk	38	-21.8	7.4	-49.48	-40	-9.48	V
14.501	-73.25	Pk	39.6	-20.3	11	-42.95	-40	-2.95	H
14.503	-72.83	Pk	39.6	-20.3	11.1	-42.43	-40	-2.43	V
High Channel, 3690MHz									
7.365	-69.72	Pk	35.6	-26.5	7.4	-53.22	-40	-13.22	V
7.373	-70.24	Pk	35.5	-26.3	7.2	-53.84	-40	-13.84	H
11.071	-72.18	Pk	37.9	-21.8	8.5	-47.58	-40	-7.58	H
11.111	-72.7	Pk	38	-21.7	8.4	-48.00	-40	-8.00	V
14.768	-72.76	Pk	39.9	-20.7	9	-44.56	-40	-4.56	V
14.801	-73.01	Pk	39.9	-20.5	9.2	-44.41	-40	-4.41	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	5/25/19
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 48 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz									
7.114	-70.35	Pk	35.6	-26.6	7.2	-54.15	-40	-14.15	V
7.118	-70.24	Pk	35.7	-26.6	6.7	-54.44	-40	-14.44	H
10.597	-72.15	Pk	37.8	-22.1	8	-48.45	-40	-8.45	V
10.665	-72.4	Pk	37.9	-22	7.5	-49.00	-40	-9.00	H
14.231	-72.51	Pk	39.1	-20.9	9.3	-45.01	-40	-5.01	V
14.333	-72.6	Pk	39.3	-20.5	10.1	-43.7	-40	-3.7	H
Mid Channel, 3625MHz									
7.248	-70.79	Pk	35.5	-26.3	7.5	-54.09	-40	-14.09	H
7.253	-69.97	Pk	35.5	-26.2	7.6	-53.07	-40	-13.07	V
10.876	-72.94	Pk	38	-21.9	7.5	-49.34	-40	-9.34	H
10.882	-72.86	Pk	38	-21.8	7.4	-49.26	-40	-9.26	V
14.493	-72.61	Pk	39.6	-20.3	11.1	-42.21	-40	-2.21	H
14.501	-72.95	Pk	39.6	-20.3	11.1	-42.55	-40	-2.55	V
High Channel, 3690MHz									
7.346	-69.67	Pk	35.5	-26.4	7.5	-53.07	-40	-13.07	H
7.373	-69.59	Pk	35.5	-26.3	7.4	-52.99	-40	-12.99	V
11.074	-72.68	Pk	37.9	-21.8	8.5	-48.08	-40	-8.08	H
11.101	-72.22	Pk	38	-21.6	8.5	-47.32	-40	-7.32	V
14.762	-72.8	Pk	39.9	-20.7	8.8	-44.8	-40	-4.8	V
14.794	-72.53	Pk	39.9	-20.5	9.4	-43.73	-40	-3.73	H

Pk - Peak detector

9.1.12. LTE BAND 66

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 66 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1720MHz									
3.433	-67.49	Pk	32.6	-29.9	8.8	-55.99	-13	-42.99	H
3.442	-67.83	Pk	32.6	-30	8.8	-56.43	-13	-43.43	V
5.151	-68.37	Pk	34.3	-28.7	9.2	-53.57	-13	-40.57	H
5.151	-67.99	Pk	34.3	-28.7	9.1	-53.29	-13	-40.29	V
6.87	-69.92	Pk	35.5	-27.5	6.5	-55.42	-13	-42.42	H
6.87	-69.95	Pk	35.5	-27.5	6.6	-55.35	-13	-42.35	V
Mid Channel, 1745MHz									
3.48	-67.37	Pk	32.6	-30	9.5	-55.27	-13	-42.27	V
3.487	-67.73	Pk	32.6	-30	9.5	-55.63	-13	-42.63	H
5.209	-66.42	Pk	34.2	-28.8	9.3	-51.72	-13	-38.72	V
5.236	-68.5	Pk	34.3	-29.1	9.1	-54.2	-13	-41.2	H
6.965	-69.11	Pk	35.6	-27	7	-53.51	-13	-40.51	V
7.078	-70.74	Pk	35.6	-26.5	7.2	-54.44	-13	-41.44	H
High Channel, 1770MHz									
3.536	-68.12	Pk	32.9	-30.2	9.5	-55.92	-13	-42.92	H
3.535	-68.36	Pk	32.9	-30.2	9.6	-56.06	-13	-43.06	V
5.302	-69.55	Pk	34.4	-29	7.9	-56.25	-13	-43.25	V
5.303	-69.26	Pk	34.4	-28.9	8.2	-55.56	-13	-42.56	H
7.075	-71.31	Pk	35.6	-26.5	7.1	-55.11	-13	-42.11	H
7.076	-70.99	Pk	35.6	-26.5	7.2	-54.69	-13	-41.69	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 66 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1720MHz									
5.148	-68.69	Pk	34.3	-28.7	9.1	-53.99	-13	-40.99	H
3.429	-67.14	Pk	32.6	-30	9	-55.54	-13	-42.54	H
3.437	-68.02	Pk	32.6	-29.8	8.9	-56.32	-13	-43.32	V
5.16	-67.88	Pk	34.3	-28.7	9.4	-52.88	-13	-39.88	V
6.872	-69.82	Pk	35.5	-27.5	6.6	-55.22	-13	-42.22	H
6.879	-70.27	Pk	35.7	-27.4	6.8	-55.17	-13	-42.17	V
Mid Channel, 1745MHz									
3.482	-67.78	Pk	32.6	-30	9.4	-55.78	-13	-42.78	H
3.491	-67.29	Pk	32.6	-30	9.6	-55.09	-13	-42.09	V
5.223	-68.17	Pk	34.3	-29	8.9	-53.97	-13	-40.97	H
5.232	-69.35	Pk	34.3	-29.1	8.6	-55.55	-13	-42.55	V
6.963	-70.11	Pk	35.6	-27	7	-54.51	-13	-41.51	V
6.967	-69.72	Pk	35.7	-26.9	6.9	-54.02	-13	-41.02	H
High Channel, 1770MHz									
3.536	-67.88	Pk	32.9	-30.2	9.5	-55.68	-13	-42.68	H
7.259	-71.19	Pk	35.5	-26	7.2	-54.49	-13	-41.49	H
3.531	-67.74	Pk	32.9	-30.2	9.9	-55.14	-13	-42.14	V
5.283	-62.19	Pk	34.4	-28.7	7.8	-48.69	-13	-35.69	V
5.308	-69.02	Pk	34.5	-28.9	8.5	-54.92	-13	-41.92	H
7.076	-69.79	Pk	35.6	-26.5	7.2	-53.49	-13	-40.49	V

Pk - Peak detector

9.2. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 2

9.2.1. LTE BAND 2

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE 2 QPSK 20MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
3.818	-65.87	Pk	33.4	-29.5	11.6	-50.37	-13	-37.37	H
4.97	-67.02	Pk	34.1	-28.7	11	-50.62	-13	-37.62	H
3.877	-65.44	Pk	33.4	-29.4	12.1	-49.34	-13	-36.34	V
5.059	-67.49	Pk	34.2	-28.7	11.1	-50.89	-13	-37.89	V
5.961	-68.81	Pk	35	-27.2	11	-50.01	-13	-37.01	H
7.965	-69.93	Pk	35.6	-24.3	11.2	-47.43	-13	-34.43	V
Mid Channel, 1880MHz									
3.876	-64.52	Pk	33.4	-29.4	11.9	-48.62	-13	-35.62	H
2.53	-65.94	Pk	32.8	-31.4	12.2	-52.34	-13	-39.34	H
3.02	-66.85	Pk	32.9	-30.8	11.6	-53.15	-13	-40.15	V
7.918	-69.68	Pk	35.7	-24.3	11.3	-46.98	-13	-33.98	H
7.987	-70.01	Pk	35.7	-24.3	11.5	-47.11	-13	-34.11	V
10.299	-71.57	Pk	37.4	-21.3	10.2	-45.27	-13	-32.27	V
High Channel, 1900MHz									
3.606	-67.38	Pk	33.1	-30	10.9	-53.38	-13	-40.38	H
7.583	-70.9	Pk	35.5	-24.4	10.5	-49.30	-13	-36.30	H
2.631	-66.8	Pk	32.8	-31.1	12.9	-52.20	-13	-39.20	V
3.429	-67.73	Pk	32.8	-30.1	12.2	-52.83	-13	-39.83	V
7.949	-70.6	Pk	35.7	-24.2	11.1	-48.00	-13	-35.00	V
9.695	-70.29	Pk	36.8	-22.2	10.8	-44.89	-13	-31.89	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/14/2019
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE 2 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
3.877	-67.58	Pk	33.4	-29.4	11.8	-51.78	-13	-38.78	H
3.688	-66.57	Pk	32.8	-29.8	11.8	-51.77	-13	-38.77	V
11.059	-72.14	Pk	37.9	-21.1	10.8	-44.54	-13	-31.54	V
3.116	-66.79	Pk	33.1	-30.4	11.6	-52.49	-13	-39.49	H
6.311	-69.37	Pk	35.4	-26.5	11	-49.47	-13	-36.47	V
14.036	-71.98	Pk	38.8	-21.1	11.7	-42.58	-13	-29.58	H
Mid Channel, 1880MHz									
10.838	-71.75	Pk	37.9	-20.3	10.2	-43.95	-13	-30.95	H
2.816	-66.45	Pk	32.3	-30.7	12	-52.85	-13	-39.85	V
7.252	-70.07	Pk	35.5	-24.9	11.3	-48.17	-13	-35.17	V
4.475	-66.36	Pk	33.5	-29.4	11.4	-50.86	-13	-37.86	V
5.226	-67.82	Pk	34.3	-28.2	11.2	-50.52	-13	-37.52	H
6.448	-68.83	Pk	35.5	-26.1	10.8	-48.63	-13	-35.63	H
High Channel, 1900MHz									
3.931	-65.95	Pk	33.4	-29.5	11.4	-50.65	-13	-37.65	H
4.299	-66.35	Pk	33.4	-28.9	11.6	-50.25	-13	-37.25	V
10.879	-70.82	Pk	37.9	-20.9	10.8	-43.02	-13	-30.02	V
5.673	-64.9	Pk	34.9	-27.8	10.6	-47.2	-13	-34.2	H
5.673	-60.14	Pk	34.9	-27.8	10.6	-42.44	-13	-29.44	V
14.792	-71.81	Pk	39.9	-20.3	10.8	-41.41	-13	-28.41	H

Pk - Peak detector

9.2.2. LTE BAND 5

Company:	
Project #:	12886634
Date:	05/17/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 5 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 829MHz									
1.664	-64.41	Pk	28.6	-32.8	10.2	-58.41	-13	-45.41	H
2.485	-66.58	Pk	32.3	-31.6	8.7	-57.18	-13	-44.18	H
1.649	-65.31	Pk	28.5	-32.8	10.1	-59.51	-13	-46.51	V
2.478	-71.18	Pk	32.3	-31.5	8.8	-61.58	-13	-48.58	V
3.311	-68.08	Pk	32.8	-30.2	9.6	-55.88	-13	-42.88	H
3.315	-68	Pk	32.8	-30.3	9.7	-55.8	-13	-42.8	V
Mid Channel, 836.5MHz									
1.681	-65.63	Pk	28.7	-32.7	10.9	-58.73	-13	-45.73	H
1.665	-66.14	Pk	28.6	-32.8	8.5	-61.84	-13	-48.84	V
3.355	-67.49	Pk	32.8	-30.4	9.9	-55.19	-13	-42.19	V
2.506	-67.2	Pk	32.4	-31.5	9.3	-57.00	-13	-44.00	V
2.514	-66.33	Pk	32.4	-31.5	9.1	-56.33	-13	-43.33	H
3.342	-68.16	Pk	32.8	-30.4	9	-56.76	-13	-43.76	H
High Channel, 844MHz									
1.681	-65.63	Pk	28.7	-32.7	10.9	-58.73	-13	-45.73	H
1.665	-66.14	Pk	28.6	-32.8	8.5	-61.84	-13	-48.84	V
3.355	-67.49	Pk	32.8	-30.4	9.9	-55.19	-13	-42.19	H
2.506	-67.2	Pk	32.4	-31.5	9.3	-57.00	-13	-44.00	V
2.514	-66.33	Pk	32.4	-31.5	9.1	-56.33	-13	-43.33	H
3.342	-68.16	Pk	32.8	-30.4	9	-56.76	-13	-43.76	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/17/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 5 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T345 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 829MHz									
2.488	-66.13	Pk	32.3	-31.6	8.7	-56.73	-13	-43.73	H
1.649	-61.86	Pk	28.5	-32.8	10.9	-55.26	-13	-42.26	H
1.649	-57.67	Pk	28.5	-32.8	10.2	-51.77	-13	-38.77	V
2.449	-66.6	Pk	32.2	-31.6	9.3	-56.7	-13	-43.7	V
3.309	-67.29	Pk	32.8	-30.2	9.8	-54.89	-13	-41.89	V
3.315	-67.76	Pk	32.8	-30.3	9.5	-55.76	-13	-42.76	H
Mid Channel, 836.5MHz									
1.664	-65.02	Pk	28.6	-32.8	10.2	-59.02	-13	-46.02	H
1.664	-54.46	Pk	28.6	-32.8	8.5	-50.16	-13	-37.16	V
3.347	-67.57	Pk	32.8	-30.4	9.3	-55.87	-13	-42.87	V
2.504	-66.69	Pk	32.4	-31.5	8.9	-56.89	-13	-43.89	H
2.533	-66.9	Pk	32.3	-31.4	9.5	-56.5	-13	-43.5	V
3.344	-67.05	Pk	32.8	-30.4	9	-55.65	-13	-42.65	H
High Channel, 844MHz									
1.692	-66.18	Pk	28.7	-32.6	10.4	-59.68	-13	-46.68	H
1.698	-65.81	Pk	28.7	-32.7	9.3	-60.51	-13	-47.51	V
2.523	-65.33	Pk	32.3	-31.5	9.2	-55.33	-13	-42.33	H
2.523	-67	Pk	32.3	-31.5	9.2	-57.00	-13	-44.00	V
3.366	-67.65	Pk	32.8	-30.3	9.8	-55.35	-13	-42.35	V
3.376	-67.95	Pk	32.7	-30.4	9	-56.65	-13	-43.65	H

Pk - Peak detector

9.2.3. LTE BAND 7

Company:	
Project #:	12886634
Date:	05/15/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 7 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2510MHz									
4.1	-71.06	Pk	33.7	-29.7	9.8	-57.26	-25	-32.26	V
7.508	-72.57	Pk	35.6	-26.4	7.9	-55.47	-25	-30.47	V
4.46	-70.24	Pk	33.7	-29.2	10.1	-55.64	-25	-30.64	H
7.929	-74.19	Pk	35.7	-25.1	8.4	-55.19	-25	-30.19	H
10.506	-75.44	Pk	37.7	-22.1	8.2	-51.64	-25	-26.64	H
14.544	-74.91	Pk	39.7	-20.1	10.9	-44.41	-25	-19.41	V
Mid Channel, 2535MHz									
5.061	-69.43	Pk	34.5	-28.8	8.8	-54.93	-25	-29.93	H
7.608	-71.17	Pk	36.4	-26.3	7.6	-53.47	-25	-28.47	H
5.062	-74.21	Pk	34.5	-28.8	8.9	-59.61	-25	-34.61	V
7.602	-70.71	Pk	36.4	-26.3	7.5	-53.11	-25	-28.11	V
10.143	-72.94	Pk	37.7	-22.6	6.4	-51.44	-25	-26.44	V
10.145	-72.45	Pk	37.7	-22.6	6.4	-50.95	-25	-25.95	H
High Channel, 2560MHz									
3.83	-69.85	Pk	33.5	-29.6	9.3	-56.65	-25	-31.65	H
10.62	-74.41	Pk	37.9	-22.2	7.8	-50.91	-25	-25.91	H
4.516	-70.69	Pk	34	-29.2	10.3	-55.59	-25	-30.59	V
9.021	-74.07	Pk	36.1	-24	8.3	-53.67	-25	-28.67	V
5.161	-70.58	Pk	34.3	-28.7	9.2	-55.78	-25	-30.78	H
6.829	-72.27	Pk	35.6	-27.2	7.5	-56.37	-25	-31.37	V

Pk - Peak detector

Company:	
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Project #:	12886634
Date:	05/15/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 7 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2510MHz									
4.042	-71.18	Pk	33.5	-29.6	9.7	-57.58	-25	-32.58	H
11.271	-74.91	Pk	38	-21.8	8.4	-50.31	-25	-25.31	H
4.783	-70.18	Pk	34.1	-29.1	9.5	-55.68	-25	-30.68	V
5.184	-69.76	Pk	34.2	-28.9	8.6	-55.86	-25	-30.86	V
5.589	-70.46	Pk	34.7	-28.5	8.4	-55.86	-25	-30.86	H
13.633	-74.07	Pk	38.7	-20.9	10.8	-45.47	-25	-20.47	V
Mid Channel, 2535MHz									
3.708	-69.97	Pk	33.2	-29.9	10.1	-56.57	-25	-31.57	H
9.068	-73.89	Pk	36.2	-24.1	8.5	-53.29	-25	-28.29	H
11.099	-75.06	Pk	38	-21.6	8.6	-50.06	-25	-25.06	H
7.578	-70.37	Pk	35.6	-26.3	7.2	-53.87	-25	-28.87	V
15.875	-74.75	Pk	40.9	-18.9	10.9	-41.85	-25	-16.85	V
5.933	-70.98	Pk	35.2	-28.5	8.8	-55.48	-25	-30.48	V
High Channel, 2560MHz									
4.041	-70.31	Pk	33.5	-29.6	9.6	-56.81	-25	-31.81	H
15.606	-74.55	Pk	40.8	-19.7	10.4	-43.05	-25	-18.05	H
4.896	-69.69	Pk	34.1	-28.9	8.7	-55.79	-25	-30.79	V
4.403	-70.36	Pk	33.6	-29	10.1	-55.66	-25	-30.66	V
10.22	-74.25	Pk	37.3	-22.4	7.5	-51.85	-25	-26.85	V
10.587	-73.85	Pk	37.9	-22.1	7.9	-50.15	-25	-25.15	H

Pk - Peak detector

9.2.4. LTE BAND 12

Company:	
Project #:	12886634
Date:	05/17/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 12 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 704MHz									
1.411	-65.13	Pk	28.4	-33.1	10.3	-59.53	-13	-46.53	H
2.821	-68.12	Pk	32.5	-30.9	9.7	-56.82	-13	-43.82	H
1.409	-65.28	Pk	28.4	-33.2	9.7	-60.38	-13	-47.38	V
2.82	-67.66	Pk	32.5	-30.9	9.3	-56.76	-13	-43.76	V
2.099	-63.49	Pk	31.1	-32	10.5	-53.89	-13	-40.89	H
2.099	-64.78	Pk	31.1	-32	9.7	-55.98	-13	-42.98	V
Mid Channel, 707.5MHz									
1.418	-65.47	Pk	28.4	-33.1	9.3	-60.87	-13	-47.87	H
2.837	-67.12	Pk	32.5	-30.9	9.5	-56.02	-13	-43.02	H
1.414	-65.62	Pk	28.4	-33.1	9.1	-61.22	-13	-48.22	V
2.836	-67.04	Pk	32.5	-30.9	9.2	-56.24	-13	-43.24	V
2.117	-66.94	Pk	31.2	-31.8	10.3	-57.24	-13	-44.24	H
2.12	-66.38	Pk	31.2	-31.8	9.9	-57.08	-13	-44.08	V
High Channel, 711MHz									
1.409	-66.17	Pk	28.4	-32.6	12.6	-57.77	-13	-44.77	H
2.869	-67.05	Pk	32.3	-30.6	11.7	-53.65	-13	-40.65	H
1.411	-65.65	Pk	28.4	-32.6	11.8	-58.05	-13	-45.05	V
2.769	-66.68	Pk	32.4	-31.1	11.8	-53.58	-13	-40.58	V
2.12	-65.56	Pk	31.3	-31.8	13.1	-52.96	-13	-39.96	H
2.12	-65.7	Pk	31.3	-31.8	12.5	-53.7	-13	-40.7	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/17/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 12 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 704MHz									
1.411	-65.13	Pk	28.4	-33.1	10.3	-59.53	-13	-46.53	H
2.821	-68.12	Pk	32.5	-30.9	9.7	-56.82	-13	-43.82	H
1.409	-65.28	Pk	28.4	-33.2	9.7	-60.38	-13	-47.38	V
2.82	-67.66	Pk	32.5	-30.9	9.3	-56.76	-13	-43.76	V
2.099	-63.49	Pk	31.1	-32	10.5	-53.89	-13	-40.89	H
2.099	-64.78	Pk	31.1	-32	9.7	-55.98	-13	-42.98	V
Mid Channel, 707.5MHz									
1.418	-65.47	Pk	28.4	-33.1	9.3	-60.87	-13	-47.87	H
2.837	-67.12	Pk	32.5	-30.9	9.5	-56.02	-13	-43.02	H
1.414	-65.62	Pk	28.4	-33.1	9.1	-61.22	-13	-48.22	V
2.836	-67.04	Pk	32.5	-30.9	9.2	-56.24	-13	-43.24	V
2.117	-66.94	Pk	31.2	-31.8	10.3	-57.24	-13	-44.24	H
2.12	-66.38	Pk	31.2	-31.8	9.9	-57.08	-13	-44.08	V
High Channel, 711MHz									
1.409	-66.17	Pk	28.4	-32.6	12.6	-57.77	-13	-44.77	H
2.869	-67.05	Pk	32.3	-30.6	11.7	-53.65	-13	-40.65	H
1.411	-65.65	Pk	28.4	-32.6	11.8	-58.05	-13	-45.05	V
2.769	-66.68	Pk	32.4	-31.1	11.8	-53.58	-13	-40.58	V
2.12	-65.56	Pk	31.3	-31.8	13.1	-52.96	-13	-39.96	H
2.12	-65.7	Pk	31.3	-31.8	12.5	-53.7	-13	-40.7	V

Pk - Peak detector

9.2.5. LTE BAND 13

Company:	
Project #:	12886634
Date:	05/17/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 13 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 782MHz									
1.555	-55.63	Pk	28.1	-32.9	8.7	-51.73	-40	-11.73	H
2.345	-66.25	Pk	31.6	-31.7	10	-56.35	-13	-43.35	H
1.555	-51.43	Pk	28.1	-32.9	10	-46.23	-40	-6.23	V
2.355	-65.13	Pk	31.7	-31.7	9.8	-55.33	-13	-42.33	V
3.119	-67.9	Pk	33.1	-30.6	9.9	-55.5	-13	-42.5	V
3.125	-67.87	Pk	33.2	-30.7	9.5	-55.87	-13	-42.87	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/17/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 13 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 782MHz									
1.555	-60.05	Pk	28.1	-32.9	8.7	-56.15	-40	-16.15	H
2.346	-67.25	Pk	31.6	-31.7	10	-57.35	-13	-44.35	H
1.555	-52.52	Pk	28.1	-32.9	10	-47.32	-40	-7.32	V
2.332	-65.74	Pk	31.6	-31.6	9.1	-56.64	-13	-43.64	V
3.121	-68.3	Pk	33.2	-30.7	9.5	-56.3	-13	-43.3	H
3.132	-68.28	Pk	33.1	-30.8	10.2	-55.78	-13	-42.78	V

Pk - Peak detector

9.2.6. LTE BAND 17

Company:	
Project #:	12886634
Date:	05/13/2019
Test Engineer:	39006
Configuration:	EUT Only
Mode:	LTE 17 QPSK 10MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 710MHz									
1.407	-66.17	Pk	28.8	-32.5	12.3	-57.57	-13	-44.57	V
1.422	-66.67	Pk	28.6	-32.5	10.6	-59.97	-13	-46.97	H
2.119	-66.98	Pk	31.7	-31.8	12.4	-54.68	-13	-41.68	V
2.129	-67.57	Pk	31.7	-31.6	12.6	-54.87	-13	-41.87	H
2.833	-68.07	Pk	32.4	-30.7	11.9	-54.47	-13	-41.47	H
2.835	-67.86	Pk	32.4	-30.7	11.7	-54.46	-13	-41.46	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/13/2019
Test Engineer:	39006
Configuration:	EUT Only
Mode:	LTE 17 16QAM 10MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 710MHz									
1.419	-66.71	Pk	28.6	-32.4	10.8	-59.71	-13	-46.71	H
1.424	-66.28	Pk	28.5	-32.6	10.4	-59.98	-13	-46.98	V
2.129	-66.35	Pk	31.7	-31.6	13.4	-52.85	-13	-39.85	V
2.132	-67.02	Pk	31.7	-31.7	12.5	-54.52	-13	-41.52	H
2.822	-67.03	Pk	32.5	-30.8	12.4	-52.93	-13	-39.93	V
2.838	-67.76	Pk	32.4	-30.8	11.8	-54.36	-13	-41.36	H

Pk - Peak detector

9.2.7. LTE BAND 25

Company:	
Project #:	12886634
Date:	05/10/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 25 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
3.712	-67.95	Pk	33.2	-30	9.9	-54.85	-13	-41.85	H
7.427	-70.01	Pk	35.5	-26.7	6.8	-54.41	-13	-41.41	H
3.711	-67.34	Pk	33.2	-29.9	9.9	-54.14	-13	-41.14	V
7.425	-69.52	Pk	35.5	-26.7	6.9	-53.82	-13	-40.82	V
5.564	-68.83	Pk	34.7	-28.4	9	-53.53	-13	-40.53	V
5.566	-69.16	Pk	34.7	-28.4	8.9	-53.96	-13	-40.96	H
Mid Channel, 1882.5MHz									
3.769	-67.96	Pk	33.4	-30	9.3	-55.26	-13	-42.26	H
7.517	-70.2	Pk	35.6	-26.2	7.6	-53.2	-13	-40.2	H
3.762	-66.95	Pk	33.4	-30.1	9.7	-53.95	-13	-40.95	V
7.513	-71.1	Pk	35.6	-26.3	7.6	-54.2	-13	-41.2	V
5.63	-68.82	Pk	34.7	-28.6	8.5	-54.22	-13	-41.22	H
5.651	-69.18	Pk	34.6	-28.5	8.1	-54.98	-13	-41.98	V
High Channel, 1905MHz									
3.807	-67.14	Pk	33.5	-30.1	9.4	-54.34	-13	-41.34	H
7.606	-70.39	Pk	35.7	-26.3	7.6	-53.39	-13	-40.39	H
3.807	-68.03	Pk	33.5	-30.1	9.2	-55.43	-13	-42.43	V
7.61	-70.71	Pk	35.6	-26.3	7.4	-54.01	-13	-41.01	V
5.719	-69.31	Pk	34.8	-28.1	7.7	-54.91	-13	-41.91	H
5.72	-69.92	Pk	34.8	-28	7.7	-55.42	-13	-42.42	V

Pk - Peak detector

Company:	
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Project #:	12886634
Date:	05/10/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 25 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
2.714	-66.56	Pk	32.2	-31	9.4	-55.96	-13	-42.96	H
7.427	-69.39	Pk	35.5	-26.7	6.8	-53.79	-13	-40.79	H
2.717	-65.88	Pk	32.2	-31	9.9	-54.78	-13	-41.78	V
7.426	-69.9	Pk	35.5	-26.7	6.9	-54.2	-13	-41.2	V
5.569	-68.86	Pk	34.7	-28.5	8.5	-54.16	-13	-41.16	V
5.58	-68.92	Pk	34.7	-28.5	8.3	-54.42	-13	-41.42	H
Mid Channel, 1882.5MHz									
3.774	-67.13	Pk	33.4	-30.2	9.8	-54.13	-13	-41.13	H
7.517	-70.58	Pk	35.6	-26.2	7.5	-53.68	-13	-40.68	H
3.762	-67.06	Pk	33.4	-30.1	9.7	-54.06	-13	-41.06	V
7.519	-71	Pk	35.6	-26.3	7.5	-54.2	-13	-41.2	V
5.642	-68.96	Pk	34.8	-28.5	8	-54.66	-13	-41.66	V
5.646	-68.87	Pk	34.8	-28.5	8	-54.57	-13	-41.57	H
High Channel, 1905MHz									
3.808	-67.58	Pk	33.5	-30.1	9.3	-54.88	-13	-41.88	H
7.605	-70.94	Pk	35.7	-26.3	7.7	-53.84	-13	-40.84	H
3.8	-67.75	Pk	33.6	-30.2	9.4	-54.95	-13	-41.95	V
7.606	-69.96	Pk	35.7	-26.3	7.6	-52.96	-13	-39.96	V
5.707	-69.39	Pk	34.7	-28.1	7.7	-55.09	-13	-42.09	H
5.721	-68.81	Pk	34.8	-28	7.7	-54.31	-13	-41.31	V

Pk - Peak detector

9.2.8. LTE BAND 26 (FCC PART 90S)

Company:	
Project #:	12886634
Date:	05/20/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 26(90S) QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.639	-65.63	Pk	28.4	-32.9	10.6	-59.53	-13	-46.53	H
1.645	-65.49	Pk	28.5	-32.9	10.6	-59.29	-13	-46.29	V
2.449	-66.45	Pk	32.2	-31.6	9.3	-56.55	-13	-43.55	V
2.452	-66.68	Pk	32.2	-31.6	8.6	-57.48	-13	-44.48	H
3.28	-67.55	Pk	32.9	-30.4	9.6	-55.45	-13	-42.45	H
3.28	-67.76	Pk	32.9	-30.4	9	-56.26	-13	-43.26	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/20/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 26(90S) 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 819MHz									
1.646	-66.04	Pk	28.5	-32.8	10.5	-59.84	-13	-46.84	V
1.643	-65.57	Pk	28.5	-32.9	10.9	-59.07	-13	-46.07	H
2.451	-67.02	Pk	32.2	-31.6	9.2	-57.22	-13	-44.22	V
2.456	-67.6	Pk	32.2	-31.6	8.6	-58.4	-13	-45.4	H
3.276	-67.62	Pk	32.9	-30.3	9.9	-55.12	-13	-42.12	H
3.281	-68.49	Pk	32.9	-30.3	9	-56.89	-13	-43.89	V

Pk - Peak detector

9.2.9. LTE BAND 30

Company:	
Project #:	12886634
Date:	05/16/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 30 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 2310MHz									
4.238	-78.46	Pk	33.5	-29.3	9.3	-64.96	-40	-24.96	H
7.568	-80.82	Pk	35.6	-26.4	7.4	-64.22	-40	-24.22	H
4.522	-78.36	Pk	34	-29.1	10.4	-63.06	-40	-23.06	V
9.513	-82.29	Pk	36.7	-23.6	8.4	-60.79	-40	-20.79	V
12.81	-83.2	Pk	39.1	-21.3	9.3	-56.10	-40	-16.10	V
13.642	-86.63	Pk	38.7	-21	11.2	-57.73	-40	-17.73	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/16/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 30 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 2310MHz									
4.518	-71.23	Pk	34	-29.2	10.3	-56.13	-40	-16.13	H
4.042	-70.68	Pk	33.5	-29.6	9.8	-56.98	-40	-16.98	V
5.615	-71.38	Pk	34.7	-28.4	8.7	-56.38	-40	-16.38	V
6.102	-71.37	Pk	35.6	-28.4	8.1	-56.07	-40	-16.07	H
9.958	-74.16	Pk	37	-22.8	8.2	-51.76	-40	-11.76	H
16.97	-84.08	Pk	41.8	-18.8	12	-49.08	-40	-9.08	V

Pk - Peak detector

9.2.10. LTE BAND 41

Company:	
Project #:	12886634
Date:	05/20/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 41 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
3.802	-69.63	Pk	33.5	-30.2	9.9	-56.43	-25	-31.43	H
4.522	-71.51	Pk	34	-29.1	10.4	-56.21	-25	-31.21	V
6.098	-71.64	Pk	35.5	-28.3	8.4	-56.04	-25	-31.04	H
7.192	-73.16	Pk	35.6	-26.4	8	-55.96	-25	-30.96	V
9.509	-73.16	Pk	36.6	-23.6	8.5	-51.66	-25	-26.66	H
13.654	-76.59	Pk	38.8	-21.1	11	-47.89	-25	-22.89	V
Mid Channel, 2593MHz									
11.836	-74.51	Pk	38.5	-21.5	8.7	-48.81	-25	-23.81	H
8.396	-73.5	Pk	35.8	-25.1	8.1	-54.7	-25	-29.7	V
4.467	-70.37	Pk	33.7	-29.2	9.9	-55.97	-25	-30.97	H
5.199	-71.15	Pk	34.2	-29	9.3	-56.65	-25	-31.65	V
10.54	-75.5	Pk	37.8	-22.2	8.6	-51.3	-25	-26.3	H
13.639	-77.45	Pk	38.6	-21	11.2	-48.65	-25	-23.65	V
High Channel, 2680MHz									
9.371	-73.52	Pk	36.5	-23.6	8.1	-52.52	-25	-27.52	V
4.465	-71.09	Pk	33.7	-29.1	10.1	-56.39	-25	-31.39	V
5.155	-71.02	Pk	34.3	-28.6	9.1	-56.22	-25	-31.22	H
5.667	-70.93	Pk	34.7	-28.3	8.4	-56.13	-25	-31.13	V
6.576	-71.9	Pk	35.6	-27.1	7.4	-56.00	-25	-31.00	H
12.838	-75.56	Pk	39.2	-21.4	9.8	-47.96	-25	-22.96	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/20/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 41 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
3.846	-71	Pk	33.6	-29.9	9.5	-57.8	-25	-32.8	H
4.21	-72.3	Pk	33.5	-29.3	9.4	-58.7	-25	-33.7	V
6.185	-73.01	Pk	35.7	-28.4	7.6	-58.11	-25	-33.11	V
9.934	-77.17	Pk	37	-22.8	8	-54.97	-25	-29.97	H
13.993	-77.32	Pk	38.7	-20.9	10.3	-49.22	-25	-24.22	V
16.834	-78.94	Pk	42.1	-18.6	12	-43.44	-25	-18.44	H
Mid Channel, 2593MHz									
4.049	-70.56	Pk	33.5	-29.7	9.6	-57.16	-25	-32.16	H
8.063	-72.88	Pk	35.7	-25.1	7.6	-54.68	-25	-29.68	H
11.486	-77.33	Pk	38.1	-21.6	8.7	-52.13	-25	-27.13	V
4.403	-70.67	Pk	33.6	-29	10.1	-55.97	-25	-30.97	V
6.644	-72.25	Pk	35.5	-27.4	7.5	-56.65	-25	-31.65	V
15.238	-75.57	Pk	40.4	-19.5	11	-43.67	-25	-18.67	H
High Channel, 2680MHz									
4.893	-69.96	Pk	34.1	-28.9	8.8	-55.96	-25	-30.96	V
12.261	-77.38	Pk	39	-21.4	8.6	-51.18	-25	-26.18	V
5.479	-72.74	Pk	34.6	-28.6	8.4	-58.34	-25	-33.34	H
7.925	-73.48	Pk	35.8	-25.2	8.3	-54.58	-25	-29.58	V
9.973	-77.27	Pk	37.1	-22.7	8.5	-54.37	-25	-29.37	H
15.162	-77.2	Pk	40.2	-19.5	10.5	-46.00	-25	-21.00	H

Pk - Peak detector

9.2.12. LTE BAND 48

Company:	
Project #:	12886634
Date:	05/25/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 48 QPSK 20MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz									
7.151	-71.12	Pk	35.6	-23	8.3	-50.22	-40	-10.22	V
7.154	-70.9	Pk	35.6	-22.9	8.2	-50	-40	-10	H
10.042	-73.64	Pk	37.2	-18.9	7.9	-47.44	-40	-7.44	V
10.068	-72.92	Pk	37.2	-19	7.9	-46.82	-40	-6.82	H
13.402	-74.89	Pk	39.2	-19.8	8.5	-46.99	-40	-6.99	H
13.405	-76.16	Pk	39.2	-19.8	8.6	-48.16	-40	-8.16	V
Mid Channel, 3625MHz									
7.253	-74.33	Pk	35.5	-22.4	7.4	-53.83	-40	-13.83	H
10.876	-72.41	Pk	38	-18.4	7.5	-45.31	-40	-5.31	H
7.253	-75.54	Pk	35.5	-22.4	7.5	-54.94	-40	-14.94	V
10.887	-73.29	Pk	38	-18.4	7.5	-46.19	-40	-6.19	V
14.514	-74.84	Pk	39.8	-20.1	11.1	-44.04	-40	-4.04	H
14.484	-73.25	Pk	39.7	-20.1	11	-42.65	-40	-2.65	V
High Channel, 3690MHz									
7.38	-72.28	Pk	35.5	-22.8	7.4	-52.18	-40	-12.18	H
11.1	-72.76	Pk	38	-18.4	8.6	-44.56	-40	-4.56	H
7.358	-72.24	Pk	35.5	-22.7	7.7	-51.74	-40	-11.74	V
11.145	-73.23	Pk	38	-18.5	8.5	-45.23	-40	-5.23	V
14.696	-72.49	Pk	39.9	-19.9	10	-42.49	-40	-2.49	V
14.725	-72.07	Pk	39.9	-20.1	9.1	-43.17	-40	-3.17	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	6/25/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 48 16QAM 20MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz									
10.678	-73.87	Pk	37.9	-18.6	8.1	-46.47	-40	-6.47	H
10.653	-73.08	Pk	37.9	-18.6	7.4	-46.38	-40	-6.38	V
7.081	-71.43	Pk	35.6	-22.8	7.4	-51.23	-40	-11.23	V
7.112	-72.35	Pk	35.6	-22.8	7.1	-52.45	-40	-12.45	H
14.231	-73.05	Pk	39.1	-20.3	9.3	-44.95	-40	-4.95	H
14.232	-70.95	Pk	39.1	-20.3	9.3	-42.85	-40	-2.85	V
Mid Channel, 3625MHz									
10.881	-73.75	Pk	38	-18.3	7.3	-46.75	-40	-6.75	H
14.496	-73	Pk	39.6	-20.2	11	-42.6	-40	-2.6	H
7.252	-73.8	Pk	35.5	-22.5	7.6	-53.2	-40	-13.2	V
10.88	-73.48	Pk	38	-18.3	7.4	-46.38	-40	-6.38	V
7.249	-78.09	Pk	35.5	-22.5	7.5	-57.59	-40	-17.59	H
14.502	-74.25	Pk	39.6	-20.2	11.1	-43.75	-40	-3.75	V
High Channel, 3690MHz									
7.402	-71.76	Pk	35.5	-22.9	7.1	-52.06	-40	-12.06	H
11.095	-73.12	Pk	38	-18.5	8.4	-45.22	-40	-5.22	H
7.385	-71.81	Pk	35.5	-22.8	7.5	-51.61	-40	-11.61	V
11.087	-73.22	Pk	38	-18.4	8.5	-45.12	-40	-5.12	V
14.676	-71.88	Pk	39.9	-20	9.9	-42.08	-40	-2.08	V
14.713	-71.59	Pk	39.8	-20.1	9.5	-42.39	-40	-2.39	H

Pk - Peak detector

9.2.13. LTE BAND 66

Company:	
Project #:	12886634
Date:	06/18/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 66 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1710MHz									
3.429	-67.97	Pk	32.6	-30	9	-56.37	-13	-43.37	H
3.432	-67.34	Pk	32.6	-29.9	8.9	-55.74	-13	-42.74	V
5.15	-68.46	Pk	34.3	-28.7	9.1	-53.76	-13	-40.76	V
5.154	-67.49	Pk	34.3	-28.6	9.1	-52.69	-13	-39.69	H
6.872	-69.34	Pk	35.5	-27.5	6.6	-54.74	-13	-41.74	H
6.878	-69.47	Pk	35.7	-27.4	6.7	-54.47	-13	-41.47	V
Mid Channel, 1745MHz									
3.478	-68.17	Pk	32.6	-30	9.5	-56.07	-13	-43.07	V
3.494	-68.05	Pk	32.7	-29.8	9.5	-55.65	-13	-42.65	H
5.221	-67.55	Pk	34.3	-28.9	9	-53.15	-13	-40.15	V
5.233	-67.85	Pk	34.3	-29.1	8.9	-53.75	-13	-40.75	H
6.967	-69.6	Pk	35.7	-26.9	6.9	-53.9	-13	-40.9	H
6.979	-69.84	Pk	35.7	-26.8	6.9	-54.04	-13	-41.04	V
High Channel, 1770MHz									
3.546	-69.02	Pk	32.9	-30.1	9.2	-57.02	-13	-44.02	H
8.08	-70.61	Pk	35.7	-25.2	7.3	-52.81	-13	-39.81	H
3.534	-68.63	Pk	32.9	-30.2	9.8	-56.13	-13	-43.13	V
8.081	-71.23	Pk	35.8	-25.2	7.3	-53.33	-13	-40.33	V
5.3	-68.53	Pk	34.4	-29	7.7	-55.43	-13	-42.43	V
5.304	-67.96	Pk	34.4	-28.9	8.3	-54.16	-13	-41.16	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/18/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 66 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1710MHz									
3.439	-67.67	Pk	32.6	-29.9	8.9	-56.07	-13	-43.07	V
3.44	-67.28	Pk	32.6	-30	8.8	-55.88	-13	-42.88	H
5.16	-68.38	Pk	34.3	-28.7	9.2	-53.58	-13	-40.58	H
5.16	-67.56	Pk	34.3	-28.7	9.4	-52.56	-13	-39.56	V
6.874	-69.94	Pk	35.6	-27.5	6.6	-55.24	-13	-42.24	H
6.877	-68.97	Pk	35.7	-27.4	6.7	-53.97	-13	-40.97	V
Mid Channel, 1745MHz									
3.482	-68.41	Pk	32.6	-30	9.4	-56.41	-13	-43.41	H
3.492	-67.36	Pk	32.7	-29.9	9.6	-54.96	-13	-41.96	V
5.224	-68.71	Pk	34.3	-29	8.9	-54.51	-13	-41.51	H
5.228	-68.45	Pk	34.3	-28.9	8.8	-54.25	-13	-41.25	V
6.963	-69.83	Pk	35.6	-27	7	-54.23	-13	-41.23	V
6.966	-70.3	Pk	35.7	-27	6.9	-54.7	-13	-41.7	H
High Channel, 1770MHz									
3.532	-68.29	Pk	32.9	-30.2	9.7	-55.89	-13	-42.89	H
3.546	-68.99	Pk	32.9	-30.1	9	-57.19	-13	-44.19	V
5.294	-68.44	Pk	34.4	-28.9	8.2	-54.74	-13	-41.74	H
5.306	-68.92	Pk	34.5	-28.9	8.4	-54.92	-13	-41.92	V
7.061	-70.98	Pk	35.6	-26.5	7	-54.88	-13	-41.88	H
7.075	-70.09	Pk	35.6	-26.5	7.1	-53.89	-13	-40.89	V

Pk - Peak detector

9.3. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 3

9.3.1. LTE BAND 2

Company:	
Project #:	12886634
Date:	05/21/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 2 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
9.054	-73.3	Pk	36.2	-24.2	8.5	-52.8	-13	-39.8	H
3.825	-70.36	Pk	33.6	-29.7	9.7	-56.76	-13	-43.76	V
2.977	-69.88	Pk	32.6	-30.9	9.9	-58.28	-13	-45.28	H
5.728	-71.39	Pk	34.7	-27.9	8	-56.59	-13	-43.59	H
7.205	-73.16	Pk	35.5	-26.4	7.9	-56.16	-13	-43.16	V
9.97	-77.33	Pk	37.1	-22.7	8.4	-54.53	-13	-41.53	V
Mid Channel, 1880MHz									
4.395	-72.94	Pk	33.6	-29	9.2	-59.14	-13	-46.14	H
13.383	-78.42	Pk	39.3	-21.5	8.5	-52.12	-13	-39.12	H
10.915	-75.74	Pk	38	-21.7	7.9	-51.54	-13	-38.54	V
3.028	-72.29	Pk	32.8	-30.7	10.1	-60.09	-13	-47.09	H
3.5	-70.5	Pk	32.7	-29.7	9.6	-57.9	-13	-44.9	V
5.626	-71.22	Pk	34.7	-28.5	8.6	-56.42	-13	-43.42	V
High Channel, 1900MHz									
4.933	-73.63	Pk	34	-28.6	9	-59.23	-13	-46.23	H
4.518	-71.05	Pk	34	-29.2	10.4	-55.85	-13	-42.85	V
3.03	-70.23	Pk	32.8	-30.7	10.4	-57.73	-13	-44.73	H
3.374	-69.87	Pk	32.7	-30.3	9.5	-57.97	-13	-44.97	V
7.157	-72.89	Pk	35.7	-26.6	8.1	-55.69	-13	-42.69	V
13.704	-74.07	Pk	38.7	-21	10.3	-46.07	-13	-33.07	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	5/21/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 2 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
2.318	-69.84	Pk	31.7	-31.7	11	-58.84	-13	-45.84	H
3.306	-70.4	Pk	32.9	-30.2	9.9	-57.8	-13	-44.8	V
4.401	-70.36	Pk	33.6	-29	10	-55.76	-13	-42.76	H
6.194	-73.1	Pk	35.7	-28.4	7.9	-57.9	-13	-44.9	V
7.153	-72.72	Pk	35.6	-26.6	8.5	-55.22	-13	-42.22	V
9.679	-73.72	Pk	36.9	-23.1	8.1	-51.82	-13	-38.82	H
Mid Channel, 1880MHz									
3.562	-69.53	Pk	32.9	-30.1	9	-57.73	-13	-44.73	H
2.659	-71	Pk	32.3	-31.1	9.7	-60.1	-13	-47.1	V
4.806	-69.87	Pk	34.3	-29.3	8.6	-56.27	-13	-43.27	V
10.783	-74.55	Pk	38	-21.9	7.6	-50.85	-13	-37.85	V
2.403	-68.63	Pk	31.9	-31.6	9.7	-58.63	-13	-45.63	H
5.639	-69.63	Pk	34.7	-28.5	8.3	-55.13	-13	-42.13	H
High Channel, 1900MHz									
2.318	-69.84	Pk	31.7	-31.7	11	-58.84	-13	-45.84	H
3.306	-70.4	Pk	32.9	-30.2	9.9	-57.8	-13	-44.8	V
4.401	-70.36	Pk	33.6	-29	10	-55.76	-13	-42.76	H
6.194	-73.1	Pk	35.7	-28.4	7.9	-57.9	-13	-44.9	V
7.153	-72.72	Pk	35.6	-26.6	8.5	-55.22	-13	-42.22	V
9.679	-73.72	Pk	36.9	-23.1	8.1	-51.82	-13	-38.82	H

Pk - Peak detector

9.3.2. LTE BAND 7

Company:	
Project #:	12886634
Date:	5/18/2019
Test Engineer:	12501
Configuration:	EUT Only
Mode:	LTE 7 QPSK 20MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2510MHz									
4.1	-71.06	Pk	33.7	-29.7	9.8	-57.26	-25	-32.26	V
7.508	-72.57	Pk	35.6	-26.4	7.9	-55.47	-25	-30.47	V
4.46	-70.24	Pk	33.7	-29.2	10.1	-55.64	-25	-30.64	H
7.929	-74.19	Pk	35.7	-25.1	8.4	-55.19	-25	-30.19	H
10.506	-75.44	Pk	37.7	-22.1	8.2	-51.64	-25	-26.64	H
14.544	-74.91	Pk	39.7	-20.1	10.9	-44.41	-25	-19.41	V
Mid Channel, 2535MHz									
5.061	-69.43	Pk	34.5	-28.8	8.8	-54.93	-25	-29.93	H
7.608	-71.17	Pk	36.4	-26.3	7.6	-53.47	-25	-28.47	H
5.062	-74.21	Pk	34.5	-28.8	8.9	-59.61	-25	-34.61	V
7.602	-70.71	Pk	36.4	-26.3	7.5	-53.11	-25	-28.11	V
10.143	-72.94	Pk	37.7	-22.6	6.4	-51.44	-25	-26.44	V
10.145	-72.45	Pk	37.7	-22.6	6.4	-50.95	-25	-25.95	H
High Channel, 2560MHz									
3.83	-69.85	Pk	33.5	-29.6	9.3	-56.65	-25	-31.65	H
10.62	-74.41	Pk	37.9	-22.2	7.8	-50.91	-25	-25.91	H
4.516	-70.69	Pk	34	-29.2	10.3	-55.59	-25	-30.59	V
9.021	-74.07	Pk	36.1	-24	8.3	-53.67	-25	-28.67	V
5.161	-70.58	Pk	34.3	-28.7	9.2	-55.78	-25	-30.78	H
6.829	-72.27	Pk	35.6	-27.2	7.5	-56.37	-25	-31.37	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/18/2019
Test Engineer:	12501
Configuration:	EUT Only
Mode:	LTE 7 16QAM 20MHz
Chamber #:	Chamber A

Frequency (GHz)	Meter Reading (dBm)	Det	AF T346 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2510MHz									
5.025	-66.91	Pk	34.1	-28.8	10.4	-51.21	-25	-26.21	H
7.521	-70.77	Pk	35.6	-24.5	10.4	-49.27	-25	-24.27	H
5.018	-67.46	Pk	34.1	-28.9	10.6	-51.66	-25	-26.66	V
7.506	-71.4	Pk	35.5	-24.5	11	-49.4	-25	-24.4	V
10.007	-72.45	Pk	36.9	-22.2	10.6	-47.15	-25	-22.15	V
10.038	-72.39	Pk	36.9	-22.1	10.4	-47.19	-25	-22.19	H
Mid Channel, 2535MHz									
5.061	-67.14	Pk	34.2	-28.8	10.9	-50.84	-25	-25.84	H
7.595	-71.4	Pk	35.5	-24.4	10.5	-49.8	-25	-24.8	H
5.057	-66.74	Pk	34.1	-28.6	11.2	-50.04	-25	-25.04	V
7.569	-71.14	Pk	35.5	-24.4	11.1	-48.94	-25	-23.94	V
10.105	-72.26	Pk	37	-21.8	10.7	-46.36	-25	-21.36	V
10.12	-72.02	Pk	37.1	-21.8	10.2	-46.52	-25	-21.52	H
High Channel, 2560MHz									
5.119	-66.89	Pk	34.3	-28.5	11	-50.09	-25	-25.09	H
7.677	-70.62	Pk	35.7	-24.5	11.2	-48.22	-25	-23.22	H
5.108	-67.3	Pk	34.2	-28.3	11.2	-50.2	-25	-25.2	V
7.695	-70.34	Pk	35.6	-24.6	11.4	-47.94	-25	-22.94	V
10.244	-72.79	Pk	37.3	-21.4	10.1	-46.79	-25	-21.79	H
10.247	-72.26	Pk	37.4	-21.4	10.2	-46.06	-25	-21.06	V

Pk - Peak detector

9.3.3. LTE BAND 25

Company:	
Project #:	12886634
Date:	05/21/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 25 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
3.715	-67.47	Pk	33.2	-30	9.8	-54.47	-13	-41.47	H
7.399	-70.63	Pk	35.5	-26.3	7.3	-54.13	-13	-41.13	H
3.707	-67.25	Pk	33.1	-29.9	10	-54.05	-13	-41.05	V
7.435	-71.15	Pk	35.6	-26.6	7	-55.15	-13	-42.15	V
5.576	-69.03	Pk	34.6	-28.6	8.3	-54.73	-13	-41.73	V
5.578	-69.53	Pk	34.6	-28.5	8.2	-55.23	-13	-42.23	H
Mid Channel, 1882.5MHz									
3.758	-67.14	Pk	33.3	-30.1	9.3	-54.64	-13	-41.64	H
7.532	-71.76	Pk	35.7	-26.3	7.5	-54.86	-13	-41.86	H
3.765	-67.5	Pk	33.4	-30	9.6	-54.5	-13	-41.5	V
7.524	-71.31	Pk	35.6	-26.3	7.3	-54.71	-13	-41.71	V
5.633	-68.54	Pk	34.7	-28.6	8.6	-53.84	-13	-40.84	V
5.642	-68.85	Pk	34.8	-28.5	8.1	-54.45	-13	-41.45	H
High Channel, 1905MHz									
3.806	-66.75	Pk	33.5	-30.1	9.5	-53.85	-13	-40.85	H
7.62	-69.97	Pk	35.7	-26.4	7.6	-53.07	-13	-40.07	H
3.792	-67.43	Pk	33.5	-30.2	9.7	-54.43	-13	-41.43	V
7.622	-70.47	Pk	35.7	-26.4	7.4	-53.77	-13	-40.77	V
5.709	-69.71	Pk	34.7	-28.2	7.6	-55.61	-13	-42.61	V
5.713	-69.05	Pk	34.7	-28.1	7.9	-54.55	-13	-41.55	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/21/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 25 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
3.717	-67.2	Pk	33.2	-30.1	9.8	-54.3	-13	-41.3	H
7.437	-71.19	Pk	35.6	-26.6	7	-55.19	-13	-42.19	H
3.706	-68.15	Pk	33.1	-29.9	10	-54.95	-13	-41.95	V
7.428	-71.13	Pk	35.5	-26.7	6.8	-55.53	-13	-42.53	V
5.574	-68.86	Pk	34.6	-28.6	8.3	-54.56	-13	-41.56	V
5.578	-69.05	Pk	34.6	-28.5	8.2	-54.75	-13	-41.75	H
Mid Channel, 1882.5MHz									
3.755	-67.37	Pk	33.3	-30	9.4	-54.67	-13	-41.67	H
7.527	-70.71	Pk	35.7	-26.3	7.5	-53.81	-13	-40.81	H
3.761	-67.99	Pk	33.4	-30.1	9.7	-54.99	-13	-41.99	V
7.522	-71	Pk	35.6	-26.3	7.4	-54.3	-13	-41.3	V
5.636	-69.17	Pk	34.6	-28.6	8.5	-54.67	-13	-41.67	V
5.642	-68.46	Pk	34.8	-28.5	8.1	-54.06	-13	-41.06	H
High Channel, 1905MHz									
3.805	-66.85	Pk	33.5	-30.1	9.6	-53.85	-13	-40.85	H
7.615	-69.83	Pk	35.6	-26.3	7.5	-53.03	-13	-40.03	H
3.81	-67.12	Pk	33.5	-30.1	9.3	-54.42	-13	-41.42	V
7.62	-69.93	Pk	35.7	-26.4	7.4	-53.23	-13	-40.23	V
5.701	-69.81	Pk	34.8	-28	7.6	-55.41	-13	-42.41	V
5.705	-68.71	Pk	34.7	-28.1	7.7	-54.41	-13	-41.41	H

Pk - Peak detector

9.3.4. LTE BAND 30

Company:	
Project #:	12886634
Date:	05/22/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 30 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 2310MHz									
4.609	-67.59	Pk	34.1	-29.5	9.3	-53.69	-40	-13.69	H
4.62	-68.66	Pk	34.2	-29.6	9.5	-54.56	-40	-14.56	V
6.919	-70.48	Pk	35.6	-27.4	6.6	-55.68	-40	-15.68	H
6.922	-70.55	Pk	35.6	-27.4	6.9	-55.45	-40	-15.45	V
9.223	-72.67	Pk	36.3	-23.6	8.2	-51.77	-40	-11.77	H
9.234	-72.49	Pk	36.3	-23.6	8	-51.79	-40	-11.79	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/22/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 30 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 2310MHz									
3.644	-67.18	Pk	32.9	-29.9	9.7	-54.48	-40	-14.48	H
3.634	-67.4	Pk	32.9	-29.8	9.7	-54.6	-40	-14.6	V
6.914	-70.09	Pk	35.6	-27.4	6.3	-55.59	-40	-15.59	H
7.037	-69.89	Pk	35.6	-26.6	7	-53.89	-40	-13.89	V
9.21	-72.39	Pk	36.3	-23.7	8.2	-51.59	-40	-11.59	V
9.229	-71.85	Pk	36.3	-23.5	8	-51.05	-40	-11.05	H

Pk - Peak detector

9.3.5. LTE BAND 41

Company:	
Project #:	12886634
Date:	05/22/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 41 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
5.007	-69.21	Pk	34.1	-28.5	9.4	-54.21	-25	-29.21	H
7.509	-71.19	Pk	35.6	-26.3	7.7	-54.19	-25	-29.19	H
5.009	-69.06	Pk	34.1	-28.6	9.2	-54.36	-25	-29.36	V
7.523	-71.31	Pk	35.6	-26.3	7.4	-54.61	-25	-29.61	V
9.995	-72.32	Pk	37	-22.7	7.9	-50.12	-25	-25.12	V
10.005	-73	Pk	37.1	-22.6	8	-50.5	-25	-25.5	H
Mid Channel, 2593MHz									
5.189	-68.47	Pk	34.2	-28.8	8.6	-54.47	-25	-29.47	V
5.194	-68.3	Pk	34.2	-28.9	9	-54.00	-25	-29.00	H
7.765	-70.67	Pk	35.8	-26	7.8	-53.07	-25	-28.07	V
7.767	-70.81	Pk	35.8	-26	7.7	-53.31	-25	-28.31	H
10.346	-72.63	Pk	37.5	-22.4	6.8	-50.73	-25	-25.73	H
10.346	-73.04	Pk	37.5	-22.4	6.7	-51.24	-25	-26.24	V
High Channel, 2680MHz									
5.358	-68.57	Pk	34.5	-29.1	8.8	-54.37	-25	-29.37	H
8.028	-71.32	Pk	35.8	-25.6	7.8	-53.32	-25	-28.32	H
10.711	-72.07	Pk	37.9	-22	8	-48.17	-25	-23.17	H
5.355	-68.9	Pk	34.5	-29	8.1	-55.30	-25	-30.30	V
8.038	-70.98	Pk	35.7	-25.4	8.1	-52.58	-25	-27.58	V
10.707	-73.36	Pk	37.9	-22	8.2	-49.26	-25	-24.26	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/22/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 41 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
4.994	-69.2	Pk	34.1	-28.1	9.8	-53.4	-25	-28.4	H
7.512	-70.34	Pk	35.6	-26.3	7.7	-53.34	-25	-28.34	H
5.002	-68.91	Pk	34.1	-28.5	9.3	-54.01	-25	-29.01	V
7.519	-69.79	Pk	35.6	-26.3	7.4	-53.09	-25	-28.09	V
9.991	-72.89	Pk	37	-22.7	8.1	-50.49	-25	-25.49	H
10.003	-72.78	Pk	37.1	-22.6	8	-50.28	-25	-25.28	V
Mid Channel, 2593MHz									
5.178	-68.79	Pk	34.2	-28.9	8.6	-54.89	-25	-29.89	V
5.18	-68.62	Pk	34.2	-28.9	8.9	-54.42	-25	-29.42	H
7.763	-70.59	Pk	35.8	-26	7.8	-52.99	-25	-27.99	H
7.765	-70.77	Pk	35.8	-26	7.9	-53.07	-25	-28.07	V
10.342	-72.24	Pk	37.5	-22.5	6.8	-50.44	-25	-25.44	H
10.352	-72.85	Pk	37.5	-22.4	6.9	-50.85	-25	-25.85	V
High Channel, 2680MHz									
5.359	-68.96	Pk	34.5	-29.1	8.8	-54.76	-25	-29.76	H
8.036	-71.45	Pk	35.8	-25.5	8.1	-53.05	-25	-28.05	H
10.709	-72.44	Pk	37.9	-22	8.2	-48.34	-25	-23.34	H
5.354	-68.77	Pk	34.5	-29	8	-55.27	-25	-30.27	V
8.038	-70.92	Pk	35.7	-25.4	8.1	-52.52	-25	-27.52	V
10.71	-73.31	Pk	37.9	-22	8.1	-49.31	-25	-24.31	V

Pk - Peak detector

9.3.7. LTE BAND 48

Company:	
Project #:	12696945
Date:	05/22/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 48 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz									
7.107	-71.15	Pk	35.6	-26.6	6.8	-55.35	-40	-15.35	H
7.115	-69.92	Pk	35.6	-26.6	7.1	-53.82	-40	-13.82	V
10.655	-73.34	Pk	37.9	-22.1	7.5	-50.04	-40	-10.04	H
10.671	-72.16	Pk	37.9	-21.9	7.9	-48.26	-40	-8.26	V
14.23	-72.4	Pk	39.1	-20.9	9.2	-45.00	-40	-5.00	V
14.231	-73.26	Pk	39.1	-20.9	9.3	-45.76	-40	-5.76	H
Mid Channel, 3625MHz									
7.242	-68	Pk	35.4	-26.3	7.5	-51.4	-40	-11.4	V
7.251	-71.23	Pk	35.5	-26.3	7.4	-54.63	-40	-14.63	H
10.891	-74.38	Pk	38	-21.6	7.6	-50.38	-40	-10.38	H
10.928	-73.07	Pk	38	-21.9	8.1	-48.87	-40	-8.87	V
14.494	-73.48	Pk	39.6	-20.3	11.1	-43.08	-40	-3.08	H
14.432	-71.97	Pk	39.6	-20.3	10.1	-42.57	-40	-2.57	V
High Channel, 3690MHz									
7.37	-69.66	Pk	35.5	-26.5	7.4	-53.26	-40	-13.26	V
7.382	-71.64	Pk	35.6	-26.4	7.3	-55.14	-40	-15.14	H
11.076	-73.51	Pk	38	-21.8	8.5	-48.81	-40	-8.81	H
11.092	-72.19	Pk	38	-21.7	8.4	-47.49	-40	-7.49	V
14.711	-74.1	Pk	39.8	-20.5	9.6	-45.20	-40	-5.20	H
14.756	-72.93	Pk	39.9	-20.7	8.9	-44.83	-40	-4.83	V

Pk - Peak detector

Company:	
Project #:	12696945
Date:	05/25/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 48 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz									
7.37	-71.48	Pk	35.5	-26.5	7.2	-55.28	-40	-15.28	H
7.379	-70.71	Pk	35.5	-26.4	7.6	-54.01	-40	-14.01	V
11.076	-73.46	Pk	38	-21.8	8.5	-48.76	-40	-8.76	H
11.082	-72.21	Pk	37.9	-21.8	8.4	-47.71	-40	-7.71	V
14.759	-72.37	Pk	39.9	-20.7	8.9	-44.27	-40	-4.27	V
14.761	-73.46	Pk	39.9	-20.7	8.8	-45.46	-40	-5.46	H
Mid Channel, 3625MHz									
7.263	-70.67	Pk	35.5	-26.1	7.4	-53.87	-40	-13.87	V
7.265	-71.38	Pk	35.5	-26.2	7.3	-54.78	-40	-14.78	H
10.881	-74.36	Pk	38	-21.8	7.3	-50.86	-40	-10.86	H
11.069	-72.62	Pk	37.9	-21.8	8.5	-48.02	-40	-8.02	V
14.496	-74.3	Pk	39.6	-20.3	11.1	-43.90	-40	-3.90	H
14.498	-72.28	Pk	39.6	-20.3	11	-41.98	-40	-1.98	V
High Channel, 3690MHz									
7.341	-70.62	Pk	35.5	-26.2	7.8	-53.52	-40	-13.52	V
7.368	-71.58	Pk	35.5	-26.5	7.3	-55.28	-40	-15.28	H
11.077	-73.31	Pk	37.9	-21.8	8.5	-48.71	-40	-8.71	H
11.092	-72.47	Pk	38	-21.7	8.4	-47.77	-40	-7.77	V
14.689	-73.52	Pk	39.9	-20.2	10.2	-43.62	-40	-3.62	H
14.748	-72.88	Pk	39.9	-20.8	8.9	-44.88	-40	-4.88	V

Pk - Peak detector

9.3.8. LTE BAND 66

Company:	
Project #:	12886634
Date:	05/21/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 66 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1710MHz									
5.149	-68.05	Pk	34.3	-28.7	9.1	-53.35	-13	-40.35	H
3.433	-67.9	Pk	32.6	-29.9	8.9	-56.3	-13	-43.3	V
3.443	-67.45	Pk	32.6	-30.1	8.9	-56.05	-13	-43.05	H
5.153	-68.23	Pk	34.3	-28.7	9.1	-53.53	-13	-40.53	V
6.869	-69.94	Pk	35.5	-27.4	6.6	-55.24	-13	-42.24	V
6.88	-69.74	Pk	35.7	-27.4	6.7	-54.74	-13	-41.74	H
Mid Channel, 1745MHz									
3.498	-67.54	Pk	32.7	-29.8	9.5	-55.14	-13	-42.14	H
5.228	-68.61	Pk	34.3	-28.9	9	-54.21	-13	-41.21	H
5.23	-68.74	Pk	34.3	-28.9	9	-54.34	-13	-41.34	H
5.231	-68.44	Pk	34.3	-29	8.6	-54.54	-13	-41.54	V
6.963	-69.86	Pk	35.6	-27	7	-54.26	-13	-41.26	V
6.969	-70.55	Pk	35.7	-26.9	6.8	-54.95	-13	-41.95	H
High Channel, 1770MHz									
3.542	-68.9	Pk	32.9	-30.2	9.4	-56.8	-13	-43.8	H
3.534	-68.6	Pk	32.9	-30.2	9.7	-56.2	-13	-43.2	V
5.301	-68.47	Pk	34.4	-29	7.8	-55.27	-13	-42.27	V
5.306	-69.15	Pk	34.5	-28.9	8.5	-55.05	-13	-42.05	H
7.077	-70.61	Pk	35.6	-26.5	7.1	-54.41	-13	-41.41	H
7.079	-70	Pk	35.6	-26.5	7.3	-53.6	-13	-40.6	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/22/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 66 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1710MHz									
3.438	-67.57	Pk	32.6	-29.9	8.8	-56.07	-13	-43.07	H
3.438	-67.45	Pk	32.6	-29.9	8.9	-55.85	-13	-42.85	V
5.15	-67.88	Pk	34.3	-28.7	9.1	-53.18	-13	-40.18	V
5.156	-67.73	Pk	34.3	-28.6	9.1	-52.93	-13	-39.93	H
6.868	-70.47	Pk	35.5	-27.4	6.4	-55.97	-13	-42.97	H
6.88	-69.11	Pk	35.7	-27.4	6.8	-54.01	-13	-41.01	V
Mid Channel, 1745MHz									
3.485	-68.19	Pk	32.6	-30	9.5	-56.09	-13	-43.09	H
3.486	-68.21	Pk	32.6	-30	9.5	-56.11	-13	-43.11	V
5.228	-68.28	Pk	34.3	-28.9	8.8	-54.08	-13	-41.08	V
5.23	-68.27	Pk	34.3	-29	8.9	-54.07	-13	-41.07	H
6.963	-70.65	Pk	35.6	-27	7	-55.05	-13	-42.05	V
6.969	-70.04	Pk	35.7	-26.9	6.8	-54.44	-13	-41.44	H
High Channel, 1770MHz									
3.541	-68.43	Pk	33	-30.2	9.4	-56.23	-13	-43.23	H
3.537	-68.84	Pk	33	-30.2	9.4	-56.64	-13	-43.64	V
5.297	-68.59	Pk	34.4	-29	7.7	-55.49	-13	-42.49	V
5.311	-69.29	Pk	34.5	-29	8.3	-55.49	-13	-42.49	H
7.085	-70.38	Pk	35.6	-26.6	7.5	-53.88	-13	-40.88	H
7.085	-70.23	Pk	35.6	-26.6	7.6	-53.63	-13	-40.63	V

Pk - Peak detector

9.4. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 4

9.4.1. LTE BAND 2

Company:	
Project #:	12886634
Date:	05/23/2019
Test Engineer:	44353
Configuration:	EUT Only
Mode:	LTE 2 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
8.436	-74.06	PK	35.9	-24.7	8.2	-54.66	-13	-41.66	H
3.992	-70.28	PK	33.5	-30	9.8	-56.98	-13	-43.98	V
4.516	-70.4	PK	34	-29.2	10.3	-55.3	-13	-42.3	V
5.166	-71.25	PK	34.3	-28.7	9.4	-56.25	-13	-43.25	H
6.113	-71.49	PK	35.6	-28.4	8	-56.29	-13	-43.29	H
10.014	-74.93	PK	37	-22.7	8.1	-52.53	-13	-39.53	V
Mid Channel, 1880MHz									
4.583	-70.83	PK	34.1	-29.3	10	-56.03	-13	-43.03	H
5.089	-71.16	PK	34.2	-28.7	9.1	-56.56	-13	-43.56	H
8.253	-72.88	PK	35.8	-25.1	8.1	-54.08	-13	-41.08	H
5.378	-71.48	PK	34.5	-29.3	8.8	-57.48	-13	-44.48	V
7.268	-73.07	PK	35.5	-26.2	7.4	-56.37	-13	-43.37	V
9.328	-74.75	PK	36.5	-23.9	8.2	-53.95	-13	-40.95	V
High Channel, 1900MHz									
3.695	-69.91	PK	33.1	-29.8	10.5	-56.11	-13	-43.11	H
4.936	-70.95	PK	34	-28.6	9.1	-56.45	-13	-43.45	H
3.827	-70.01	PK	33.6	-29.6	9.7	-56.31	-13	-43.31	V
5.05	-70.44	PK	34.2	-28.6	9.6	-55.24	-13	-42.24	V
7.786	-73.39	PK	35.8	-25.8	7.8	-55.59	-13	-42.59	V
7.923	-73.49	PK	35.8	-25.2	8.1	-54.79	-13	-41.79	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/23/2019
Test Engineer:	44353
Configuration:	EUT Only
Mode:	LTE 2 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
3.901	-69.12	PK	33.5	-29.8	9.5	-55.92	-13	-42.92	H
4.529	-70.14	PK	34.1	-29.4	10.2	-55.24	-13	-42.24	H
3.672	-70.14	PK	33.1	-30	10.6	-56.44	-13	-43.44	V
4.405	-69.66	PK	33.6	-29.1	10.1	-55.06	-13	-42.06	V
7.826	-73.26	PK	35.7	-25.7	8	-55.26	-13	-42.26	V
10.562	-75.4	PK	37.8	-22.2	8.2	-51.6	-13	-38.6	H
Mid Channel, 1880MHz									
4.256	-70.09	PK	33.6	-29.4	9.7	-56.19	-13	-43.19	H
4.934	-71.14	PK	34	-28.5	9	-56.64	-13	-43.64	H
10.964	-75.5	PK	38	-21.7	8.2	-51.00	-13	-38.00	H
4.539	-70.62	PK	34.1	-29.3	9.4	-56.42	-13	-43.42	V
5.116	-69.68	PK	34.2	-28.8	9.2	-55.08	-13	-42.08	V
8.248	-73.59	PK	35.8	-25.1	8.2	-54.69	-13	-41.69	V
High Channel, 1900MHz									
4.997	-71.52	PK	34.1	-28.3	9.9	-55.82	-13	-42.82	H
10.944	-75.19	PK	38	-21.9	8.1	-50.99	-13	-37.99	H
4.045	-70.53	PK	33.5	-29.7	9.9	-56.83	-13	-43.83	V
8.444	-73.59	PK	35.8	-24.7	8.2	-54.29	-13	-41.29	V
10.885	-74.88	PK	38	-21.6	7.5	-50.98	-13	-37.98	V
6.458	-71.88	PK	35.5	-27.6	7.5	-56.48	-13	-43.48	H

Pk - Peak detector

9.4.2. LTE BAND 7

Company:	
Project #:	12886634
Date:	05/18/2019
Test Engineer:	12501
Configuration:	EUT Only
Mode:	LTE 7 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2510MHz									
3.68	-69.76	Pk	33.1	-30	10.2	-56.46	-25	-31.46	H
5.003	-70.97	Pk	34.1	-28.5	9.4	-55.97	-25	-30.97	H
10.694	-75.19	Pk	38	-22	8.3	-50.89	-25	-25.89	H
4.522	-71.84	Pk	34	-29.1	10.4	-56.54	-25	-31.54	V
7.192	-72.96	Pk	35.6	-26.4	8	-55.76	-25	-30.76	V
14.527	-75.6	Pk	39.7	-20	11.4	-44.5	-25	-19.5	V
Mid Channel, 2535MHz									
5.081	-67.45	Pk	34.2	-28.7	10.6	-51.35	-25	-26.35	H
7.601	-70.99	Pk	35.5	-24.4	10.6	-49.29	-25	-24.29	H
5.102	-67.73	Pk	34.2	-28.4	11.4	-50.53	-25	-25.53	V
7.603	-71	Pk	35.5	-24.4	11.1	-48.80	-25	-23.80	V
10.121	-71.45	Pk	37.1	-21.8	10.2	-45.95	-25	-20.95	H
10.141	-72.08	Pk	37.1	-21.6	10	-46.58	-25	-21.58	V
High Channel, 2560MHz									
3.906	-71.28	Pk	33.4	-29.8	9.3	-58.38	-25	-33.38	H
11.433	-77.79	Pk	38	-21.6	8	-53.39	-25	-28.39	H
5.1	-72.26	Pk	34.2	-28.9	9.3	-57.66	-25	-32.66	V
8.345	-74.62	Pk	35.7	-25.4	8.3	-56.02	-25	-31.02	V
12.496	-77.65	Pk	39.1	-21.2	8.8	-50.95	-25	-25.95	V
7.08	-72.55	Pk	35.6	-26.5	7.3	-56.15	-25	-31.15	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/20/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 7 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2510MHz									
4.575	-72.05	Pk	34.2	-29.2	10.2	-56.85	-25	-31.85	H
8.487	-76.14	Pk	35.8	-24.9	8.4	-56.84	-25	-31.84	H
3.665	-71.34	Pk	33	-30.3	10.3	-58.34	-25	-33.34	V
7.503	-71.46	Pk	35.6	-26.4	7.9	-54.36	-25	-29.36	V
12.432	-77.22	Pk	39.1	-21.4	8.1	-51.42	-25	-26.42	V
16.744	-78.07	Pk	42.3	-18.1	11.3	-42.57	-25	-17.57	H
Mid Channel, 2535MHz									
5.072	-66.62	Pk	34.1	-28.7	10.9	-50.32	-25	-25.32	H
7.595	-70.76	Pk	35.5	-24.4	10.5	-49.16	-25	-24.16	H
5.073	-67.25	Pk	34.1	-28.7	10.9	-50.95	-25	-25.95	V
7.613	-70.37	Pk	35.5	-24.4	11.2	-48.07	-25	-23.07	V
10.094	-72.08	Pk	37	-21.9	10.6	-46.38	-25	-21.38	V
10.121	-72.16	Pk	37.1	-21.8	10.2	-46.66	-25	-21.66	H
High Channel, 2560MHz									
5.102	-71.11	Pk	34.2	-28.8	9.6	-56.11	-25	-31.11	H
11.143	-75.5	Pk	38	-21.8	8.6	-50.70	-25	-25.70	H
12.367	-74.54	Pk	38.9	-21.6	8.8	-48.44	-25	-23.44	H
4.517	-70.67	Pk	34	-29.2	10.4	-55.47	-25	-30.47	V
9.356	-73.92	Pk	36.5	-23.5	8.4	-52.52	-25	-27.52	V
5.865	-71.44	Pk	35	-28.4	8.3	-56.54	-25	-31.54	V

Pk - Peak detector

9.4.3. LTE BAND 25

Company:	
Project #:	12886634
Date:	05/20/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 25 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
16.096	-75.65	Pk	41.4	-19	10.9	-42.35	-13	-29.35	H
9.069	-75.69	Pk	36.2	-24.1	8.5	-55.09	-13	-42.09	V
14.498	-77.32	Pk	39.6	-20.3	11	-47.02	-13	-34.02	V
5.156	-73.09	Pk	34.3	-28.6	9.2	-58.19	-13	-45.19	V
6.256	-70.59	Pk	35.6	-27.9	7.8	-55.09	-13	-42.09	H
9.952	-76.22	Pk	37	-22.9	8.1	-54.02	-13	-41.02	H
Mid Channel, 1882.5MHz									
3.686	-70.74	Pk	33.1	-29.9	10.3	-57.24	-13	-44.24	H
15.903	-75.45	Pk	41	-18.6	10.7	-42.35	-13	-29.35	H
4.463	-72.21	Pk	33.7	-29	10	-57.51	-13	-44.51	V
5.754	-70.32	Pk	34.8	-27.7	7.8	-55.42	-13	-42.42	V
6.097	-72.73	Pk	35.5	-28.3	8.4	-57.13	-13	-44.13	H
9.637	-73.42	Pk	36.8	-23.1	8.1	-51.62	-13	-38.62	V
High Channel, 1905MHz									
3.792	-58.99	Pk	33.5	-30.2	10.3	-45.39	-13	-32.39	H
4.675	-67.76	Pk	34.2	-29.6	9.6	-53.56	-13	-40.56	H
7.622	-70.33	Pk	35.7	-26.4	7.5	-53.53	-13	-40.53	H
3.81	-67.57	Pk	33.5	-30.1	9.3	-54.87	-13	-41.87	V
7.612	-71.01	Pk	35.6	-26.4	7.3	-54.51	-13	-41.51	V
5.711	-70.54	Pk	34.7	-28.2	7.7	-56.34	-13	-43.34	V

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/23/2019
Test Engineer:	12482
Configuration:	EUT Only
Mode:	LTE 25 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
3.702	-62.59	Pk	33	-30	10.2	-49.39	-13	-36.39	H
4.667	-67.21	Pk	34.2	-29.6	9.8	-52.81	-13	-39.81	H
7.422	-70.45	Pk	35.6	-26.7	6.8	-54.75	-13	-41.75	H
3.816	-67.38	Pk	33.5	-30.1	9.8	-54.18	-13	-41.18	V
7.304	-70.32	Pk	35.6	-26.3	7.5	-53.52	-13	-40.52	V
8.518	-71.48	Pk	35.8	-25	8.4	-52.28	-13	-39.28	V
Mid Channel, 1882.5MHz									
3.747	-61.95	Pk	33.3	-30.2	9.9	-48.95	-13	-35.95	H
7.534	-71.25	Pk	35.7	-26.4	7.4	-54.55	-13	-41.55	H
3.768	-68	Pk	33.4	-30	9.5	-55.1	-13	-42.1	V
7.511	-70.27	Pk	35.6	-26.3	7.7	-53.27	-13	-40.27	V
5.632	-68.27	Pk	34.7	-28.6	8.6	-53.57	-13	-40.57	V
5.675	-69.41	Pk	34.7	-28.1	8.5	-54.31	-13	-41.31	H
High Channel, 1905MHz									
3.814	-67.84	Pk	33.5	-30.1	9.4	-55.04	-13	-42.04	H
3.836	-67.99	Pk	33.6	-29.9	9.5	-54.79	-13	-41.79	V
7.623	-70.21	Pk	35.7	-26.4	7.4	-53.51	-13	-40.51	V
5.712	-69.85	Pk	34.7	-28.2	7.9	-55.45	-13	-42.45	H
5.712	-69.79	Pk	34.7	-28.2	7.9	-55.39	-13	-42.39	V
7.154	-69.51	Pk	35.6	-26.6	8.2	-52.31	-13	-39.31	H

Pk - Peak detector

9.4.4. LTE BAND 30

Company:	
Project #:	12886634
Date:	05/24/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 30 QPSK 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 2310MHz									
4.579	-72.53	Pk	34.2	-29.3	10.1	-57.53	-40	-17.53	H
7.475	-75.64	Pk	35.6	-26.5	7.4	-59.14	-40	-19.14	H
3.838	-72.27	Pk	33.6	-29.9	9.5	-59.07	-40	-19.07	V
11.971	-77.96	Pk	38.7	-21.5	8.9	-51.86	-40	-11.86	V
5.995	-73.02	Pk	35.3	-28.4	7.7	-58.42	-40	-18.42	V
12.817	-78.13	Pk	39.2	-21.3	9.3	-50.93	-40	-10.93	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/24/2019
Test Engineer:	12500
Configuration:	EUT Only
Mode:	LTE 30 16QAM 10MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Mid Channel, 2310MHz									
4.098	-72.44	Pk	33.6	-29.7	9.6	-58.94	-40	-18.94	H
4.667	-72.23	Pk	34.2	-29.6	9.8	-57.83	-40	-17.83	H
10.766	-77.21	Pk	38	-22	8.1	-53.11	-40	-13.11	H
5.36	-71.5	Pk	34.5	-29.1	8.8	-57.3	-40	-17.3	V
8.56	-74.88	Pk	35.9	-24.9	7.9	-55.98	-40	-15.98	V
14.43	-77.9	Pk	39.6	-20.3	10.1	-48.5	-40	-8.5	V

Pk - Peak detector

9.4.5. LTE BAND 41

Company:	
Project #:	12886634
Date:	05/23/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 41 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
4.999	-69.65	Pk	34.1	-28.4	9.7	-54.25	-25	-29.25	V
5.005	-68.72	Pk	34.1	-28.5	9.4	-53.72	-25	-28.72	H
7.514	-71.05	Pk	35.6	-26.3	7.6	-54.15	-25	-29.15	H
7.519	-69.97	Pk	35.6	-26.3	7.4	-53.27	-25	-28.27	V
10.003	-71.92	Pk	37	-22.6	8	-49.52	-25	-24.52	H
10.003	-72.79	Pk	37	-22.6	8	-50.39	-25	-25.39	V
Mid Channel, 2593MHz									
5.182	-69.19	Pk	34.2	-28.9	8.9	-54.99	-25	-29.99	H
5.182	-68.48	Pk	34.2	-28.9	8.6	-54.58	-25	-29.58	V
7.758	-69.77	Pk	35.7	-26	7.7	-52.37	-25	-27.37	H
7.764	-70.26	Pk	35.8	-26	7.9	-52.56	-25	-27.56	V
10.35	-72.08	Pk	37.5	-22.4	6.9	-50.08	-25	-25.08	H
10.356	-73.17	Pk	37.5	-22.3	7.1	-50.87	-25	-25.87	V
High Channel, 2680MHz									
5.355	-68.79	Pk	34.5	-29	8.2	-55.09	-25	-30.09	V
5.359	-69.1	Pk	34.5	-29.1	8.9	-54.8	-25	-29.8	H
8.037	-70.77	Pk	35.7	-25.4	8.2	-52.27	-25	-27.27	H
8.045	-70.87	Pk	35.7	-25.3	8	-52.47	-25	-27.47	V
10.709	-72.92	Pk	37.9	-22	8.1	-48.92	-25	-23.92	V
10.719	-72.98	Pk	38	-22.1	7.8	-49.28	-25	-24.28	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/23/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 41 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 2506MHz									
4.998	-69.25	Pk	34.1	-28.4	9.8	-53.75	-25	-28.75	H
5.004	-68.16	Pk	34.1	-28.5	9.3	-53.26	-25	-28.26	V
7.521	-70.72	Pk	35.6	-26.3	7.5	-53.92	-25	-28.92	H
7.523	-70.69	Pk	35.6	-26.3	7.4	-53.99	-25	-28.99	V
9.998	-72.48	Pk	37	-22.6	8.1	-49.98	-25	-24.98	H
10.009	-72.34	Pk	37	-22.6	8	-49.94	-25	-24.94	V
Mid Channel, 2593MHz									
4.998	-69.25	Pk	34.1	-28.4	9.8	-53.75	-25	-28.75	H
5.004	-68.16	Pk	34.1	-28.5	9.3	-53.26	-25	-28.26	V
7.521	-70.72	Pk	35.6	-26.3	7.5	-53.92	-25	-28.92	H
7.523	-70.69	Pk	35.6	-26.3	7.4	-53.99	-25	-28.99	V
9.998	-72.48	Pk	37	-22.6	8.1	-49.98	-25	-24.98	H
10.009	-72.34	Pk	37	-22.6	8	-49.94	-25	-24.94	V
High Channel, 2680MHz									
5.352	-68.36	Pk	34.5	-29	8.2	-54.66	-25	-29.66	H
5.363	-69.18	Pk	34.5	-29.1	8.7	-55.08	-25	-30.08	V
8.032	-70.51	Pk	35.8	-25.5	7.9	-52.31	-25	-27.31	H
8.034	-70.75	Pk	35.8	-25.5	7.9	-52.55	-25	-27.55	V
10.706	-72.34	Pk	37.9	-22	8.2	-48.24	-25	-23.24	H
10.718	-72.04	Pk	38	-22.1	7.8	-48.34	-25	-23.34	V

Pk - Peak detector

9.4.6. LTE BAND 48

Company:	
Project #:	12696945
Date:	05/24/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 48 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz									
7.117	-70.09	Pk	35.6	-26.7	7	-54.19	-40	-14.19	V
7.118	-71.42	Pk	35.6	-26.6	6.8	-55.62	-40	-15.62	H
10.668	-71.4	Pk	37.9	-21.9	7.7	-47.7	-40	-7.7	V
10.674	-73.21	Pk	37.9	-21.9	8.1	-49.11	-40	-9.11	H
14.183	-73.66	Pk	39	-21.2	9.4	-46.46	-40	-6.46	H
14.236	-72.37	Pk	39.1	-21	9.2	-45.07	-40	-5.07	V
Mid Channel, 3625MHz									
7.245	-70.56	Pk	35.5	-26.3	7.6	-53.76	-40	-13.76	V
7.251	-71.12	Pk	35.5	-26.3	7.4	-54.52	-40	-14.52	H
10.873	-73.33	Pk	38	-22	7.6	-49.73	-40	-9.73	H
10.873	-73.28	Pk	38	-22	7.6	-49.68	-40	-9.68	V
14.497	-74.31	Pk	39.6	-20.3	11	-44.01	-40	-4.01	H
14.39	-71.35	Pk	39.4	-20.5	10.4	-42.05	-40	-2.05	V
High Channel, 3690MHz									
7.379	-71.92	Pk	35.5	-26.4	7.5	-55.32	-40	-15.32	H
7.409	-70.09	Pk	35.5	-26.5	7	-54.09	-40	-14.09	V
11.079	-73.95	Pk	38	-21.8	8.4	-49.35	-40	-9.35	H
11.1	-72.19	Pk	38	-21.6	8.5	-47.29	-40	-7.29	V
14.795	-74.12	Pk	39.9	-20.5	9.5	-45.22	-40	-5.22	H
14.8	-72.45	Pk	39.8	-20.5	9.3	-43.85	-40	-3.85	V

Pk - Peak detector

Company:	
Project #:	12696945
Date:	05/25/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 48 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 3560MHz									
7.109	-70.86	Pk	35.6	-26.6	7	-54.86	-40	-14.86	V
7.118	-71.51	Pk	35.6	-26.6	6.8	-55.71	-40	-15.71	H
10.65	-73.45	Pk	37.9	-22.1	7.4	-50.25	-40	-10.25	H
10.656	-72.45	Pk	37.9	-22.1	7.5	-49.15	-40	-9.15	V
14.232	-73.29	Pk	39.1	-20.9	9.2	-45.89	-40	-5.89	H
14.237	-72.54	Pk	39.1	-21	9.2	-45.24	-40	-5.24	V
Mid Channel, 3625MHz									
7.246	-71.72	Pk	35.5	-26.3	7.5	-55.02	-40	-15.02	H
7.246	-70.22	Pk	35.5	-26.3	7.6	-53.42	-40	-13.42	V
10.875	-73.74	Pk	38	-21.9	7.6	-50.04	-40	-10.04	H
10.875	-72.8	Pk	38	-21.9	7.6	-49.1	-40	-9.1	V
14.221	-72.39	Pk	39	-20.9	9.3	-44.99	-40	-4.99	V
14.231	-73.91	Pk	39.1	-20.9	9.3	-46.41	-40	-6.41	H
High Channel, 3690MHz									
7.338	-71.18	Pk	35.5	-26.1	7.5	-54.28	-40	-14.28	H
7.374	-70.41	Pk	35.5	-26.3	7.4	-53.81	-40	-13.81	V
11.026	-72.12	Pk	38	-21.8	8	-47.92	-40	-7.92	V
11.069	-73.76	Pk	37.9	-21.8	8.4	-49.26	-40	-9.26	H
14.763	-73.05	Pk	39.8	-20.7	8.8	-45.15	-40	-5.15	V
14.809	-73.65	Pk	39.9	-20.5	9.1	-45.15	-40	-5.15	H

Pk - Peak detector

9.4.7. LTE BAND 66

Company:	
Project #:	12886634
Date:	04/07/2019
Test Engineer:	31300
Configuration:	EUT Only
Mode:	LTE 66 QPSK 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1710MHz									
3.448	-67.77	Pk	32.6	-30.2	9	-56.37	-13	-43.37	V
3.458	-66.16	Pk	32.6	-30.1	9.4	-54.26	-13	-41.26	H
5.167	-68.23	Pk	34.3	-28.7	9.4	-53.23	-13	-40.23	V
5.17	-67.54	Pk	34.2	-28.7	9.4	-52.64	-13	-39.64	H
6.818	-68.75	Pk	35.5	-27.2	7.2	-53.25	-13	-40.25	V
6.879	-69.14	Pk	35.7	-27.4	6.7	-54.14	-13	-41.14	H
Mid Channel, 1745MHz									
3.508	-69.74	Pk	32.8	-29.8	9.5	-57.24	-13	-44.24	H
3.833	-66.71	Pk	33.6	-29.7	9.5	-53.31	-13	-40.31	V
5.157	-67.79	Pk	34.3	-28.6	9.3	-52.79	-13	-39.79	V
5.237	-67.97	Pk	34.2	-29.1	9.1	-53.77	-13	-40.77	H
6.973	-69.93	Pk	35.7	-26.9	6.9	-54.23	-13	-41.23	H
7.154	-70.18	Pk	35.6	-26.6	8.5	-52.68	-13	-39.68	V
High Channel, 1770MHz									
3.539	-68.59	Pk	33	-30.2	9.3	-56.49	-13	-43.49	V
3.545	-68.43	Pk	32.9	-30.1	9.2	-56.43	-13	-43.43	H
5.306	-68.04	Pk	34.5	-28.9	8.5	-53.94	-13	-40.94	H
5.308	-68.52	Pk	34.5	-28.9	8.5	-54.42	-13	-41.42	V
7.071	-70.01	Pk	35.6	-26.6	7.2	-53.81	-13	-40.81	V
7.073	-70.68	Pk	35.6	-26.6	7.1	-54.58	-13	-41.58	H

Pk - Peak detector

Company:	
Project #:	12886634
Date:	05/24/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 66 16QAM 20MHz
Chamber #:	Chamber B

Frequency (GHz)	Meter Reading (dBm)	Det	AF T344 (dB/m)	Amp/Cbl (dB)	Amp/Cbl (dB)	Corrected Reading (dBm)	Harmonics limit	Margin (dB)	Polarity
Low Channel, 1710MHz									
3.439	-67.36	Pk	32.6	-29.9	8.8	-55.86	-13	-42.86	H
3.445	-67.39	Pk	32.6	-30.1	8.7	-56.19	-13	-43.19	V
5.154	-67.57	Pk	34.3	-28.6	9.2	-52.67	-13	-39.67	V
5.155	-67.82	Pk	34.3	-28.6	9.1	-53.02	-13	-40.02	H
6.877	-69.09	Pk	35.6	-27.4	6.6	-54.29	-13	-41.29	H
6.881	-69.16	Pk	35.7	-27.4	6.8	-54.06	-13	-41.06	V
Mid Channel, 1745MHz									
3.521	-67.02	Pk	32.8	-30.1	10.1	-54.22	-13	-41.22	H
3.529	-68.23	Pk	32.8	-30.2	9.9	-55.73	-13	-42.73	V
5.376	-68.38	Pk	34.4	-29.2	8.9	-54.28	-13	-41.28	V
5.947	-68.74	Pk	35.3	-28.3	8.1	-53.64	-13	-40.64	H
7.007	-69.38	Pk	35.7	-26.8	7.1	-53.38	-13	-40.38	H
7.215	-69.82	Pk	35.6	-26.4	7.6	-53.02	-13	-40.02	V
High Channel, 1770MHz									
3.537	-68.4	Pk	33	-30.2	9.4	-56.2	-13	-43.2	H
3.539	-68.87	Pk	33	-30.2	9.3	-56.77	-13	-43.77	V
5.301	-68.53	Pk	34.4	-29	8.1	-55.03	-13	-42.03	H
5.312	-68.55	Pk	34.5	-29.1	8.1	-55.05	-13	-42.05	V
7.056	-70.06	Pk	35.5	-26.5	6.9	-54.16	-13	-41.16	V
7.074	-70.09	Pk	35.6	-26.5	7.1	-53.89	-13	-40.89	H

Pk - Peak detector

10. SETUP PHOTOS

Please refer to 12943451-EP1V1 for setup photos.

END OF REPORT