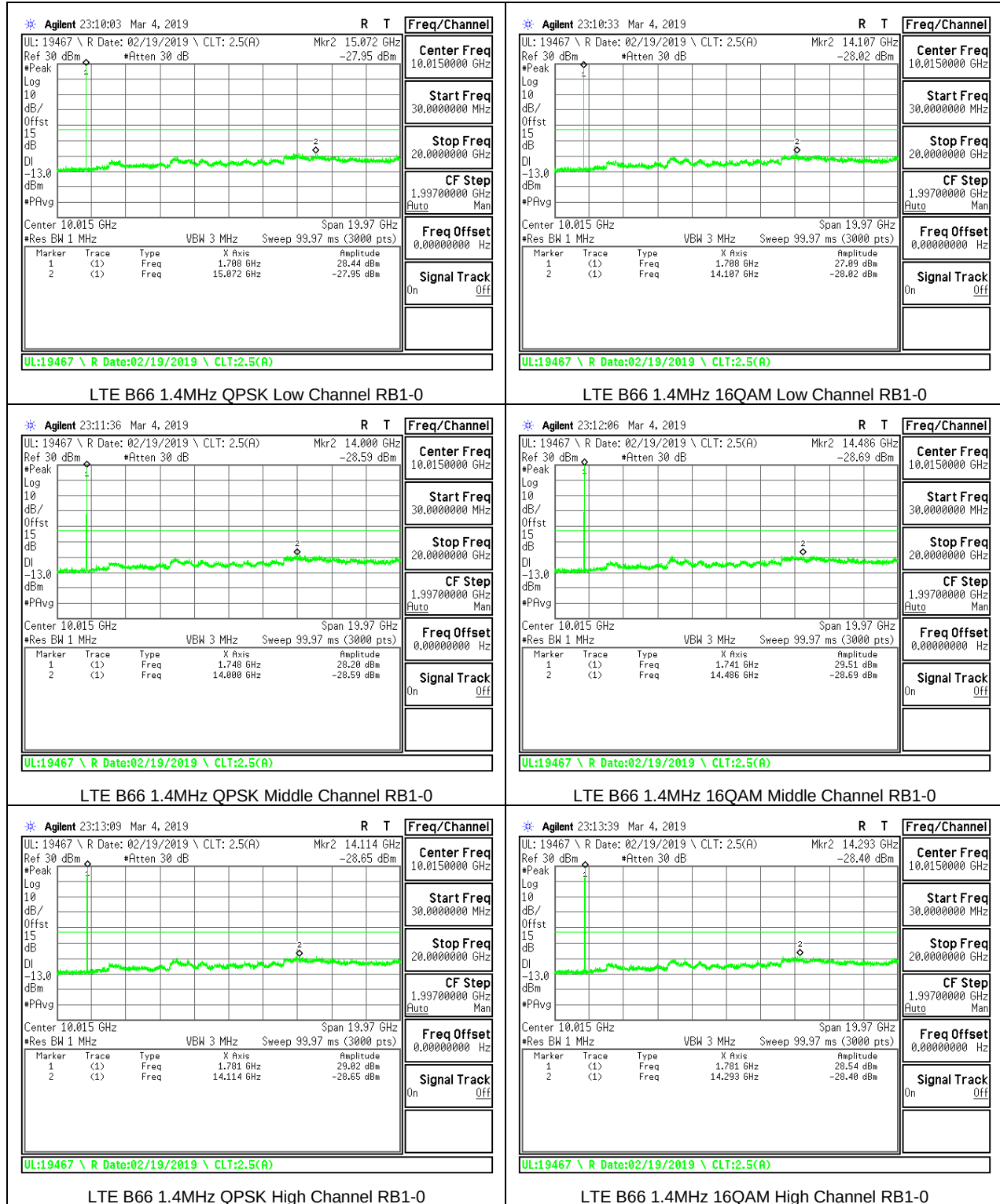
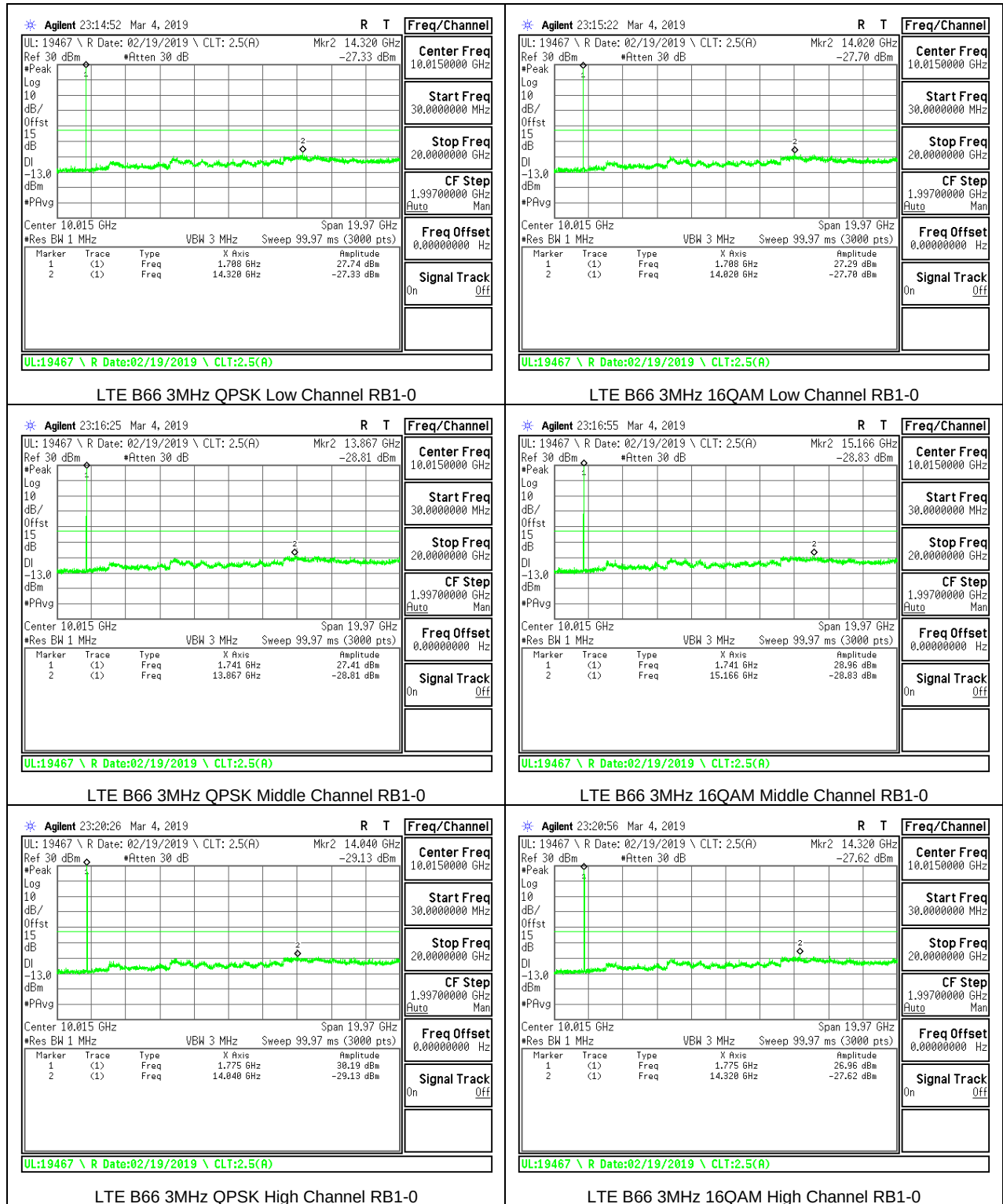
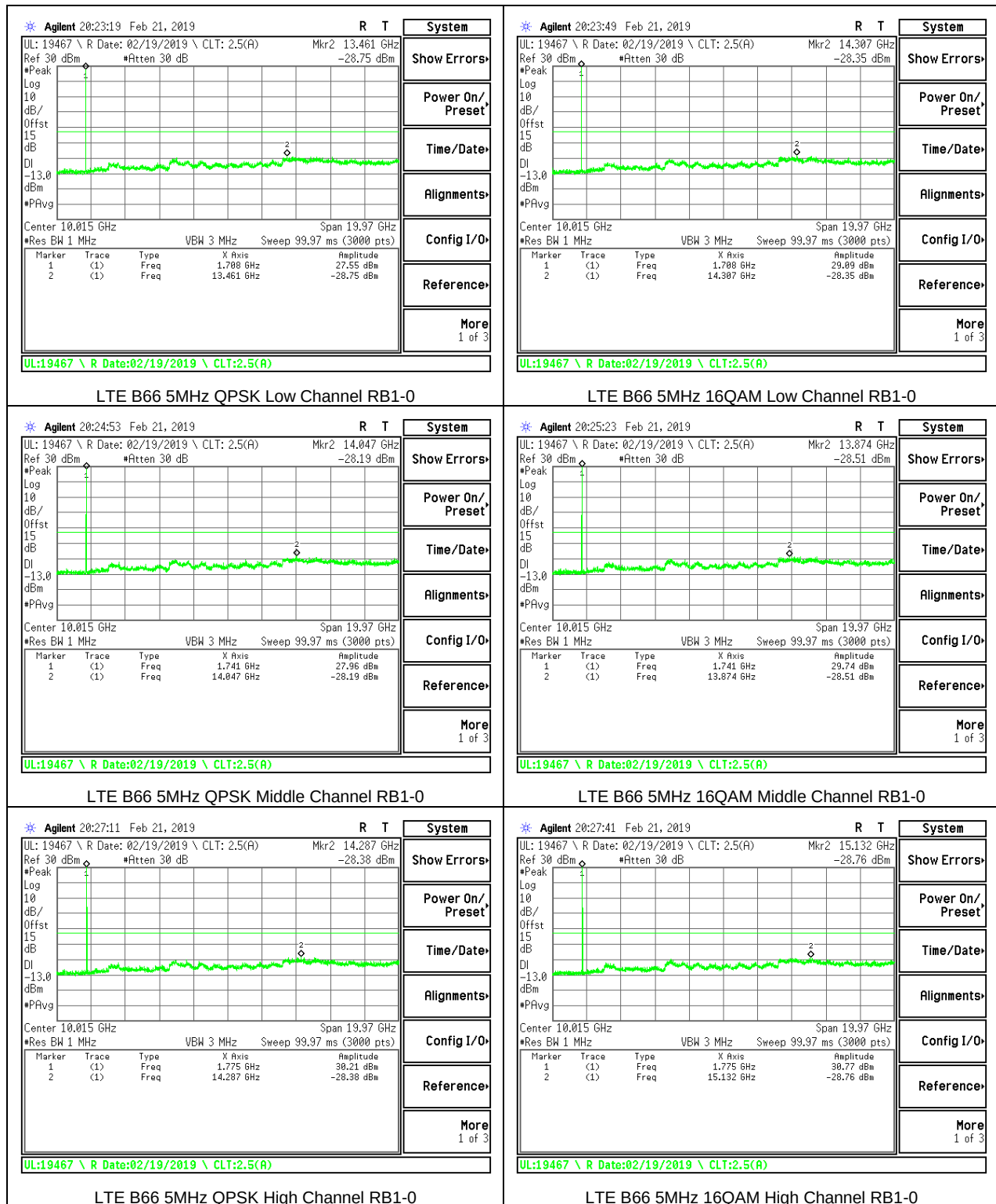
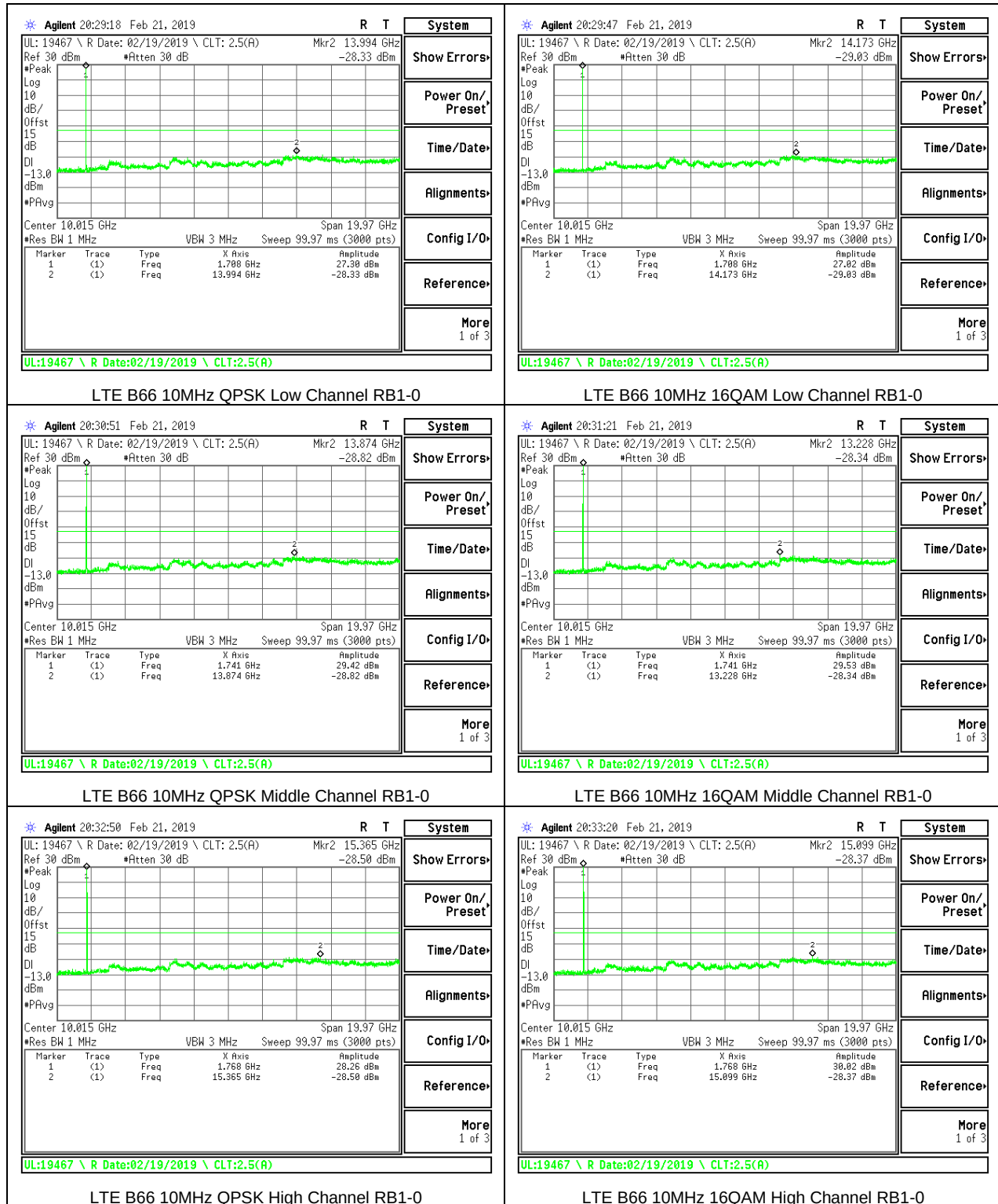


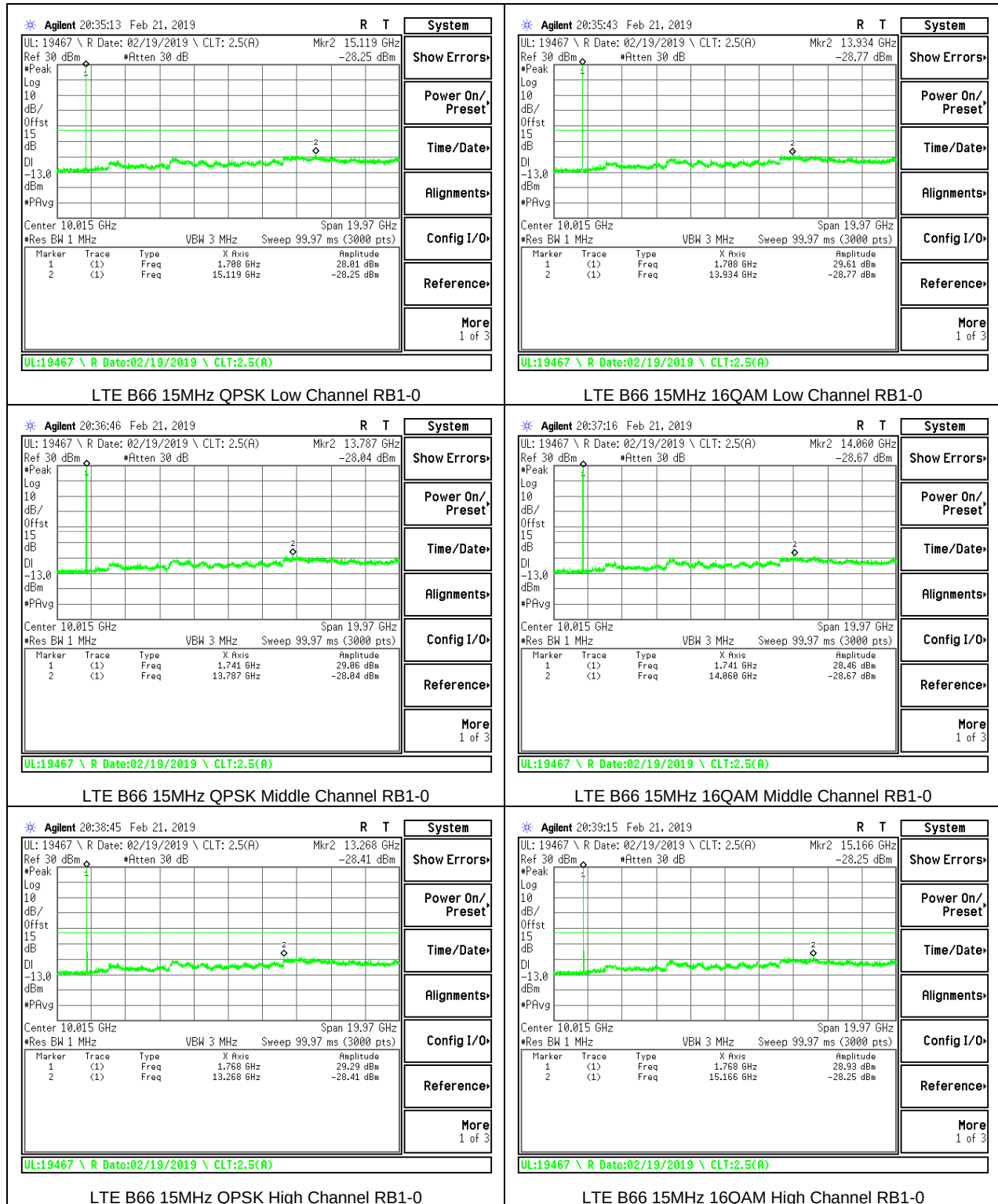
8.3.13. LTE BAND 66

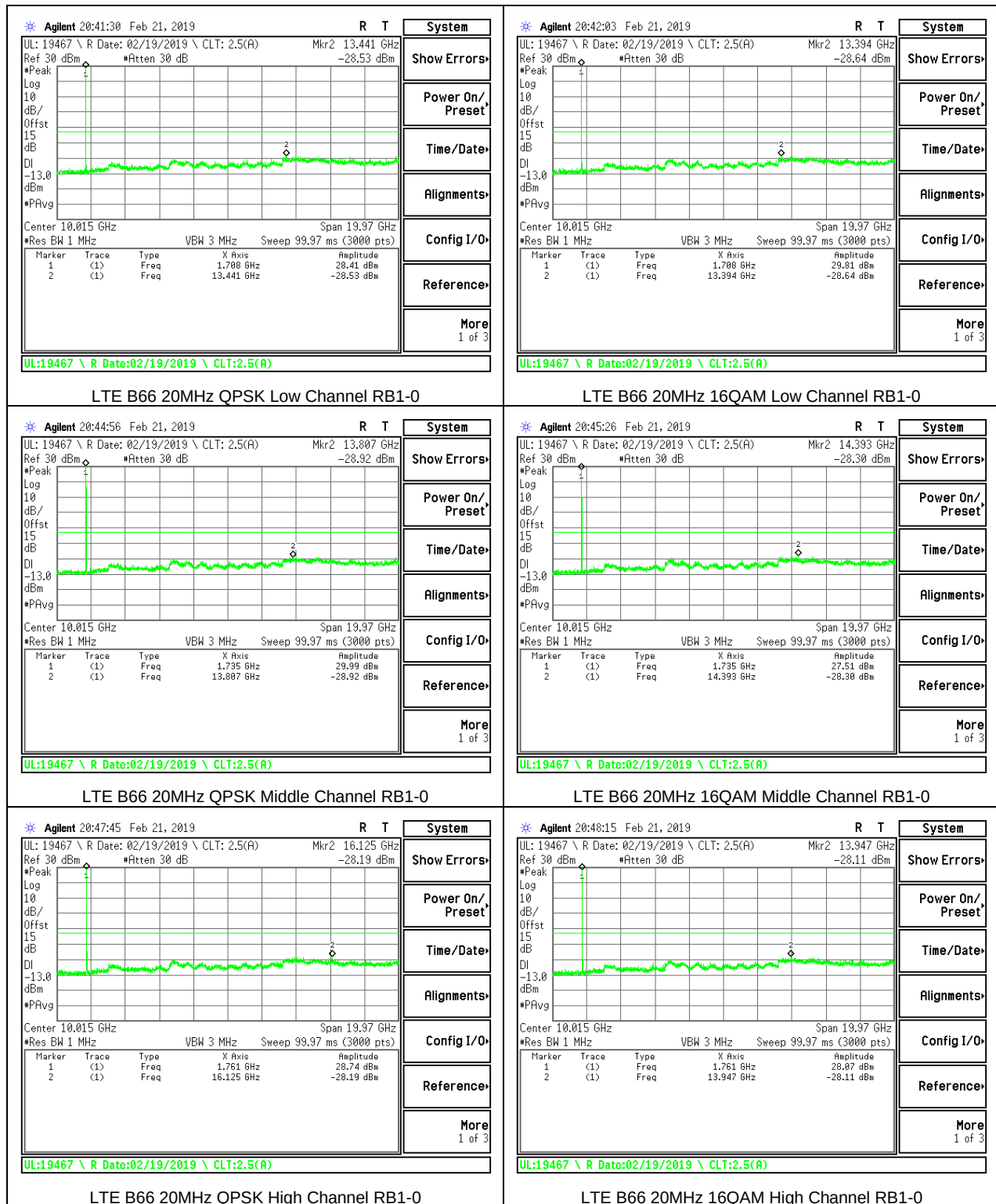




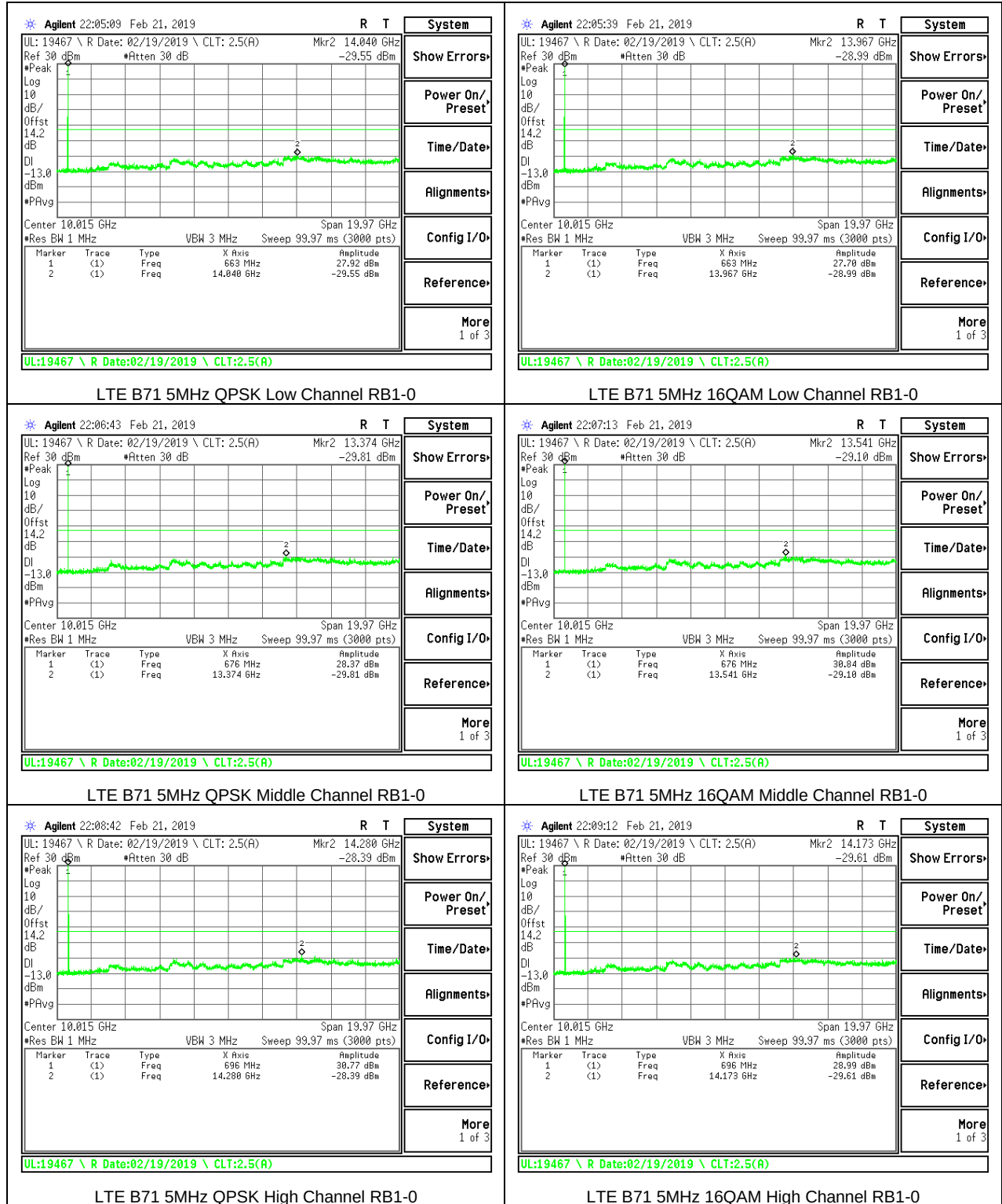


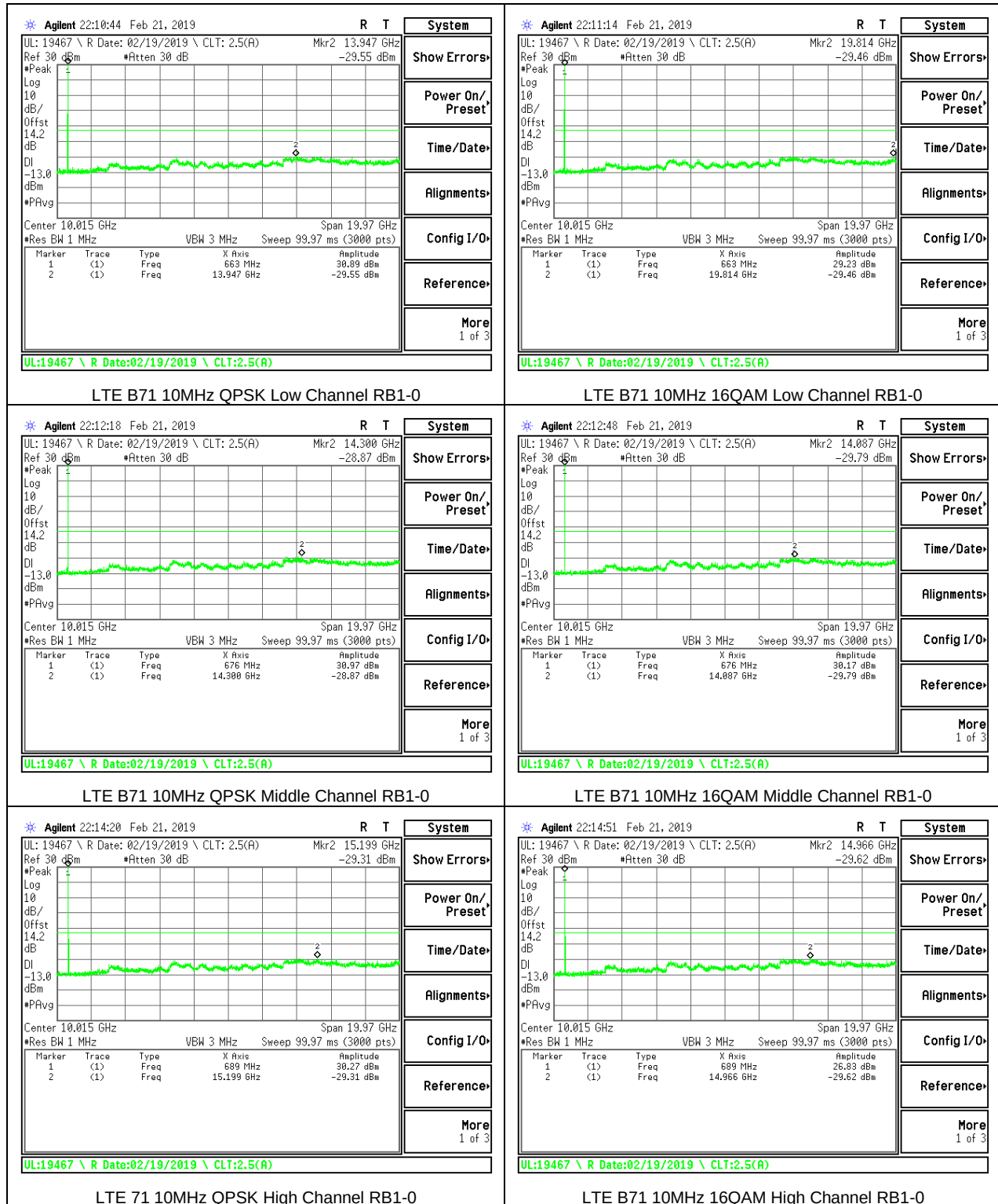


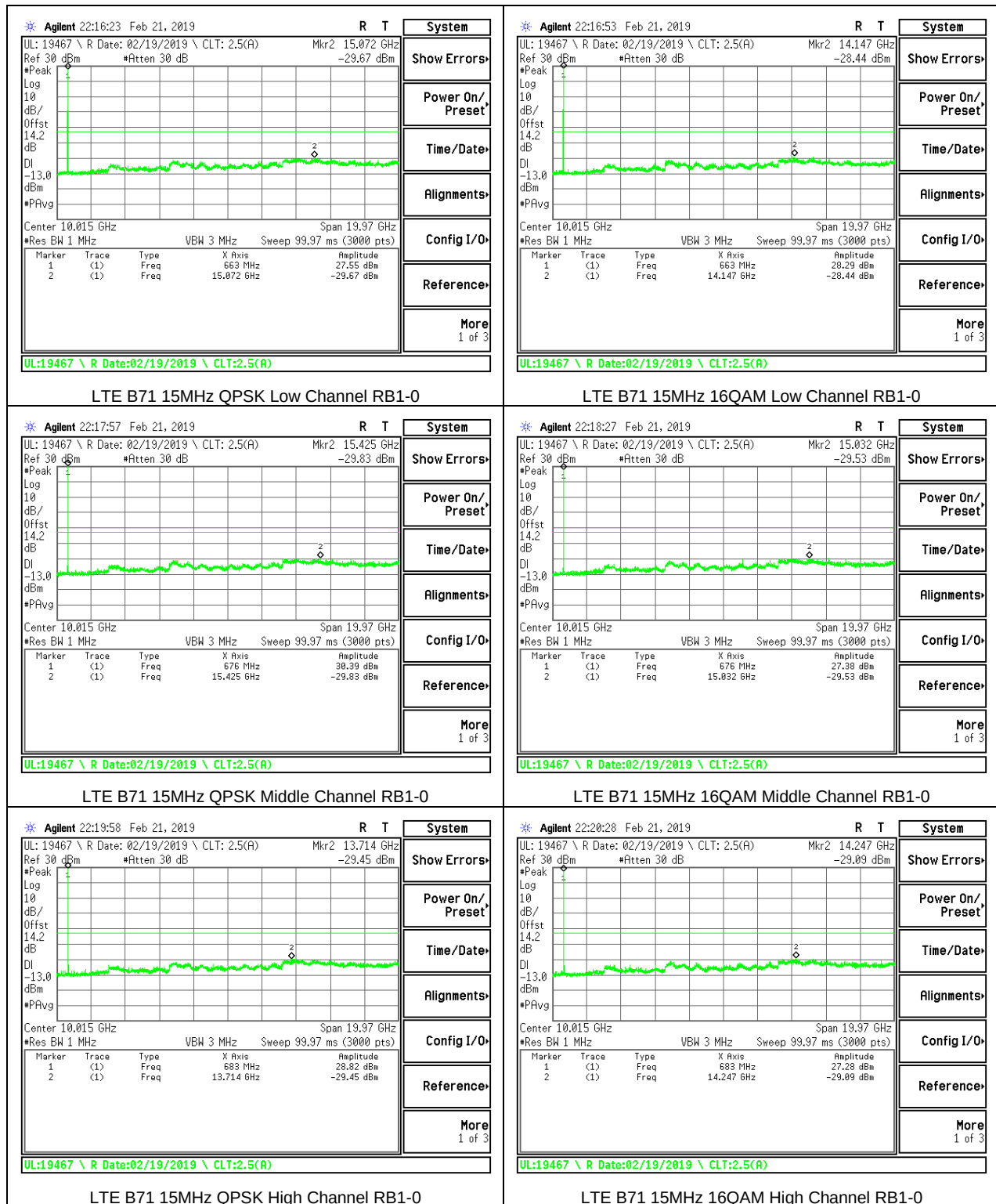


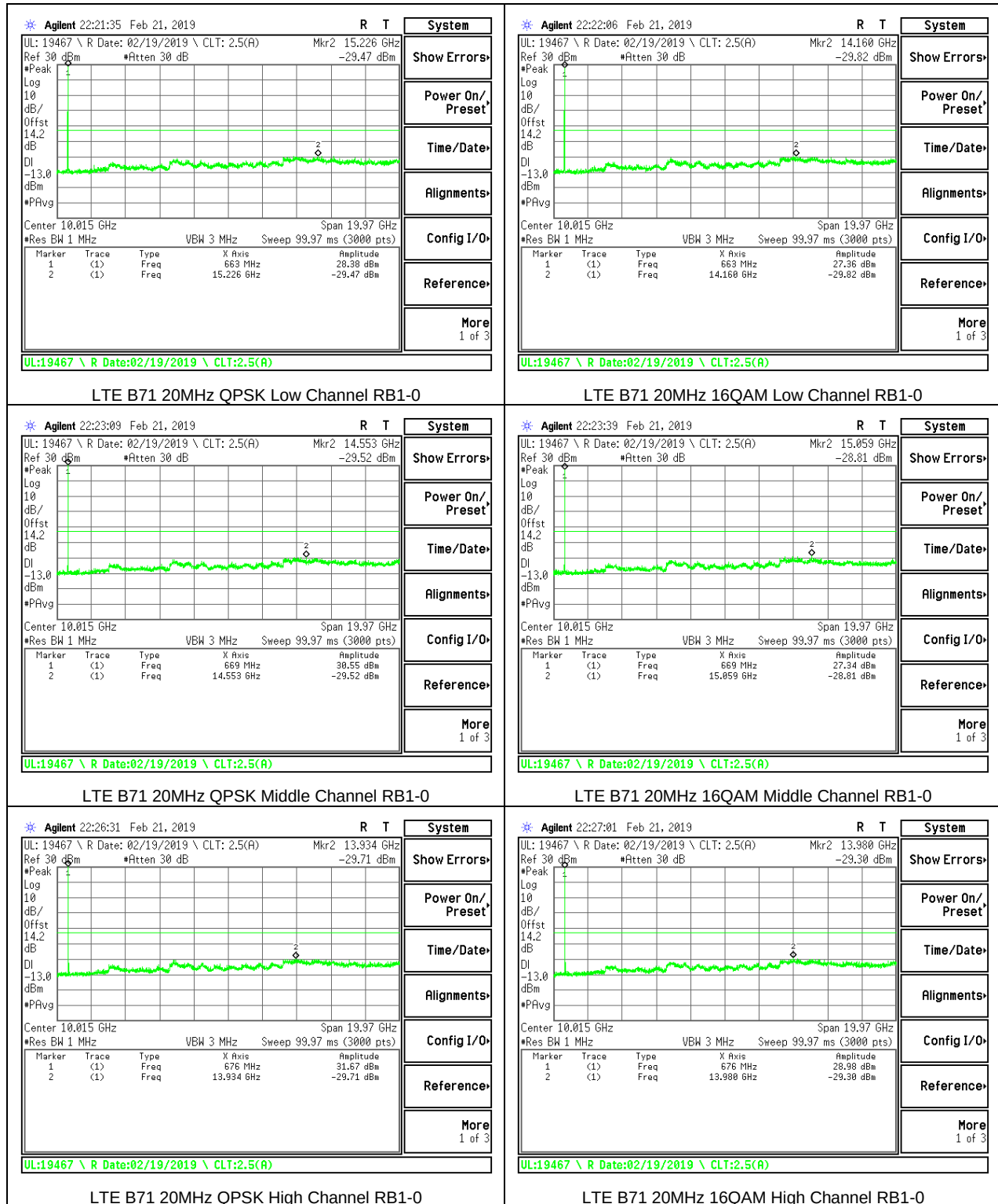


8.3.14. LTE BAND 71









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 14
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 41
- LTE Band 48
- LTE Band 66
- LTE Band 71

RESULTS

See the following pages.

8.4.1. LTE BAND 2

ID:	19470	Date:	2/22/19
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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	1850.270	1909.611		
Extreme (50C)		1850.270	1909.611	-1.4	-0.001
Extreme (40C)		1850.270	1909.611	-0.8	0.000
Extreme (30C)		1850.270	1909.611	-1.0	-0.001
Extreme (10C)		1850.270	1909.611	-1.2	-0.001
Extreme (0C)		1850.270	1909.611	-0.8	0.000
Extreme (-10C)		1850.270	1909.611	-1.1	-0.001
Extreme (-20C)		1850.270	1909.611	-1.8	-0.001
Extreme (-30C)		1850.270	1909.611	-1.6	-0.001
20C	15%	1850.270	1909.611	-1.1	-0.001
	-15%	1850.270	1909.611	-0.8	0.000
	End Point	1850.270	1909.611	-0.9	0.000

8.4.2. LTE BAND 5

ID:	38602	Date:	2/25/19
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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	824.469	848.517		
Extreme (50C)		824.469	848.517	3.8	0.005
Extreme (40C)		824.469	848.517	4.1	0.005
Extreme (30C)		824.469	848.517	3.7	0.004
Extreme (10C)		824.469	848.517	4.0	0.005
Extreme (0C)		824.469	848.517	4.1	0.005
Extreme (-10C)		824.469	848.517	3.9	0.005
Extreme (-20C)		824.469	848.517	4.2	0.005
Extreme (-30C)		824.469	848.517	4.0	0.005
20C	15%	824.469	848.517	4.2	0.005
	-15%	824.469	848.517	3.9	0.005
	End Point	824.469	848.517	3.8	0.005

8.4.3. LTE BAND 7

ID:	38602	Date:	2/25/19
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QPSK, (20MHz BANDWIDTH)

Limit		2500	2570	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm	F high @ -13dBm		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	2501.013	2569.023		
Extreme (50C)		2501.013	2569.023	3.7	0.001
Extreme (40C)		2501.013	2569.023	3.3	0.001
Extreme (30C)		2501.013	2569.023	3.0	0.001
Extreme (10C)		2501.013	2569.023	2.7	0.001
Extreme (0C)		2501.013	2569.023	2.9	0.001
Extreme (-10C)		2501.013	2569.023	3.3	0.001
Extreme (-20C)		2501.013	2569.023	3.2	0.001
Extreme (-30C)		2501.013	2569.023	3.0	0.001
20C	15%	2501.013	2569.023	3.4	0.001
	-15%	2501.013	2569.023	3.2	0.001
	End Point	2501.013	2569.023	3.0	0.001

8.4.4. LTE BAND 12

ID:	38602	Date:	1/9/00
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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	699.461	715.526		
Extreme (50C)		699.461	715.526	3.6	0.005
Extreme (40C)		699.461	715.526	3.7	0.005
Extreme (30C)		699.461	715.526	3.5	0.005
Extreme (10C)		699.461	715.526	3.9	0.006
Extreme (0C)		699.461	715.526	4.2	0.006
Extreme (-10C)		699.461	715.526	3.7	0.005
Extreme (-20C)		699.461	715.526	3.5	0.005
Extreme (-30C)		699.461	715.526	3.9	0.006
20C	15%	699.461	715.526	3.9	0.006
	-15%	699.461	715.526	3.7	0.005
	End Point	699.461	715.526	3.4	0.005

8.4.5. LTE BAND 13

ID:	38602	Date:	2/25/19
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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	777.228	786.795		
Extreme (50C)		777.228	786.795	4.4	0.006
Extreme (40C)		777.228	786.795	4.2	0.005
Extreme (30C)		777.228	786.795	4.3	0.005
Extreme (10C)		777.228	786.795	4.1	0.005
Extreme (0C)		777.228	786.795	4.3	0.005
Extreme (-10C)		777.228	786.795	3.8	0.005
Extreme (-20C)		777.228	786.795	4.0	0.005
Extreme (-30C)		777.228	786.795	4.3	0.005
20C	15%	777.228	786.795	4.2	0.005
	-15%	777.228	786.795	4.0	0.005
	End Point	777.228	786.795	3.9	0.005

8.4.6. LTE BAND 14

ID:	38602	Date:	2/26/19
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QPSK, (10MHz BANDWIDTH)

Limit		788	798	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	788.1957	797.8001		
Extreme (50C)		788.1957	797.8001	4.4	0.006
Extreme (40C)		788.1957	797.8001	4.2	0.005
Extreme (30C)		788.1957	797.8001	4.3	0.005
Extreme (10C)		788.1957	797.8001	4.3	0.005
Extreme (0C)		788.1957	797.8001	4.2	0.005
Extreme (-10C)		788.1957	797.8001	4.4	0.006
Extreme (-20C)		788.1957	797.8001	4.2	0.005
Extreme (-30C)		788.1957	797.8001	4.5	0.006
20C	15%	788.1957	797.8001	4.5	0.006
	-15%	788.1957	797.8001	4.5	0.006
	End Point	788.1957	797.8001	4.3	0.005

8.4.7. LTE BAND 17

ID:	38602	Date:	2/25/19
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QPSK, (10MHz BANDWIDTH)

Limit		704	716	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm (MHz)	F high @ -13dBm (MHz)		
Temperature	Voltage				
Normal (20C)	Normal	704.4937	715.5098		
Extreme (50C)		704.4937	715.5098	3.8	0.005
Extreme (40C)		704.4937	715.5098	3.9	0.005
Extreme (30C)		704.4937	715.5098	3.8	0.005
Extreme (10C)		704.4937	715.5098	4.0	0.006
Extreme (0C)		704.4937	715.5098	4.2	0.006
Extreme (-10C)		704.4937	715.5098	4.0	0.006
Extreme (-20C)		704.4937	715.5098	4.4	0.006
Extreme (-30C)		704.4937	715.5098	4.5	0.006
20C	15%	704.4937	715.5098	4.2	0.006
	-15%	704.4937	715.5098	4.1	0.006
	End Point	704.4937	715.5098	4.3	0.006

8.4.8. LTE BAND 25

ID:	19470	Date:	2/25/19
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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	1850.9774	1914.0302		
Extreme (50C)		1850.9774	1914.0302	-0.7	0.000
Extreme (40C)		1850.9774	1914.0302	-0.9	0.000
Extreme (30C)		1850.9774	1914.0302	-0.8	0.000
Extreme (10C)		1850.9774	1914.0302	-0.8	0.000
Extreme (0C)		1850.9774	1914.0302	-0.9	0.000
Extreme (-10C)		1850.9774	1914.0302	-0.6	0.000
Extreme (-20C)		1850.9774	1914.0302	-1.2	-0.001
Extreme (-30C)		1850.9774	1914.0302	-1.4	-0.001
20C	15%	1850.9774	1914.0302	-0.8	0.000
	-15%	1850.9774	1914.0302	-0.9	0.000
	End Point	1850.9774	1914.0302	-1.1	-0.001

8.4.9. LTE BAND 26

ID:	19470	Date:	2/25/19
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QPSK, (10MHz BANDWIDTH)

Limit		814	824	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm	F high @ -13dBm		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	814.4748	823.5771		
Extreme (50C)		814.4748	823.5771	4.2	0.005
Extreme (40C)		814.4748	823.5771	4.1	0.005
Extreme (30C)		814.4748	823.5771	4.2	0.005
Extreme (10C)		814.4748	823.5771	4.2	0.005
Extreme (0C)		814.4748	823.5771	4.2	0.005
Extreme (-10C)		814.4748	823.5771	4.2	0.005
Extreme (-20C)		814.4748	823.5771	4.3	0.005
Extreme (-30C)		814.4748	823.5771	4.3	0.005
20C	15%	814.4748	823.5771	4.0	0.005
	-15%	814.4748	823.5771	4.2	0.005
	End Point	814.4748	823.5771	4.1	0.005

8.4.10. LTE BAND 30

ID:	19470	Date:	2/25/19
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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	2305.3438	2314.5431		
Extreme (50C)		2305.3438	2314.5431	4.1	0.002
Extreme (40C)		2305.3438	2314.5431	4.2	0.002
Extreme (30C)		2305.3438	2314.5431	4.1	0.002
Extreme (10C)		2305.3438	2314.5431	3.9	0.002
Extreme (0C)		2305.3438	2314.5431	4.4	0.002
Extreme (-10C)		2305.3438	2314.5431	4.3	0.002
Extreme (-20C)		2305.3438	2314.5431	4.0	0.002
Extreme (-30C)		2305.3438	2314.5431	4.2	0.002
20C	15%	2305.3438	2314.5431	4.3	0.002
	-15%	2305.3438	2314.5431	4.4	0.002
	End Point Voltage	2305.3438	2314.5431	4.2	0.002

8.4.11. LTE BAND 41

ID:	19470	Date:	2/27/19
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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	2496.9315	2689.0829		
Extreme (50C)		2496.9315	2689.0829	11.2	0.004
Extreme (40C)		2496.9315	2689.0829	11.4	0.004
Extreme (30C)		2496.9315	2689.0829	11.2	0.004
Extreme (10C)		2496.9315	2689.0829	11.2	0.004
Extreme (0C)		2496.9315	2689.0829	11.5	0.004
Extreme (-10C)		2496.9315	2689.0829	11.5	0.004
Extreme (-20C)		2496.9315	2689.0829	11.7	0.005
Extreme (-30C)		2496.9315	2689.0829	11.4	0.004
20C	15%	2496.9315	2689.0829	11.1	0.004
	-15%	2496.9315	2689.0829	11.3	0.004
	End Point	2496.9315	2689.0829	11.2	0.004

8.4.12. LTE BAND 48

ID:	30606	Date:	5/16/19
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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	3550.7222	3699.5293		
Extreme (50C)		3550.7222	3699.5293	9.1	0.003
Extreme (40C)		3550.7222	3699.5293	7.5	0.002
Extreme (30C)		3550.7222	3699.5293	9.7	0.003
Extreme (10C)		3550.7222	3699.5293	8.2	0.002
Extreme (0C)		3550.7222	3699.5293	7.4	0.002
Extreme (-10C)		3550.7222	3699.5293	9.1	0.003
Extreme (-20C)		3550.7222	3699.5293	8.9	0.002
Extreme (-30C)		3550.7222	3699.5293	11.2	0.003
20C	15%	3550.7222	3699.5293	10.3	0.003
	-15%	3550.7222	3699.5293	9.1	0.003
	End Point	3550.7222	3699.5293	9.6	0.003

8.4.13. LTE BAND 66

ID:	19470	Date:	2/25/19
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QPSK, (20MHz BANDWIDTH)

Limit		1710	1780	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm	F high @ -13dBm		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	1711.0093	1779.0846		
Extreme (50C)		1711.0093	1779.0846	1.0	0.001
Extreme (40C)		1711.0093	1779.0846	0.8	0.000
Extreme (30C)		1711.0093	1779.0846	1.0	0.001
Extreme (10C)		1711.0093	1779.0846	0.6	0.000
Extreme (0C)		1711.0093	1779.0846	0.8	0.000
Extreme (-10C)		1711.0093	1779.0846	1.2	0.001
Extreme (-20C)		1711.0093	1779.0846	0.8	0.000
Extreme (-30C)		1711.0093	1779.0846	0.7	0.000
20C	15%	1711.0093	1779.0846	0.9	0.001
	-15%	1711.0093	1779.0846	0.9	0.001
	End Point	1711.0093	1779.0846	1.0	0.001

8.4.14. LTE BAND 71

ID:	38602	Date:	2/26/19
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QPSK, (20MHz BANDWIDTH)

Limit		663	698	Delta (Hz)	Frequency Stability (ppm)
Condition		F low @ -13dBm	F high @ -13dBm		
Temperature	Voltage	(MHz)	(MHz)		
Normal (20C)	Normal	664.0063	697.0053		
Extreme (50C)		664.0063	697.0053	4.7	0.007
Extreme (40C)		664.0063	697.0053	4.4	0.006
Extreme (30C)		664.0063	697.0053	4.3	0.006
Extreme (10C)		664.0063	697.0053	4.5	0.007
Extreme (0C)		664.0063	697.0053	4.4	0.006
Extreme (-10C)		664.0063	697.0053	4.5	0.007
Extreme (-20C)		664.0063	697.0053	4.3	0.006
Extreme (-30C)		664.0063	697.0053	4.2	0.006
20C	15%	664.0063	697.0053	4.5	0.007
	-15%	664.0063	697.0053	4.3	0.006
	End Point	664.0063	697.0053	4.4	0.006

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.

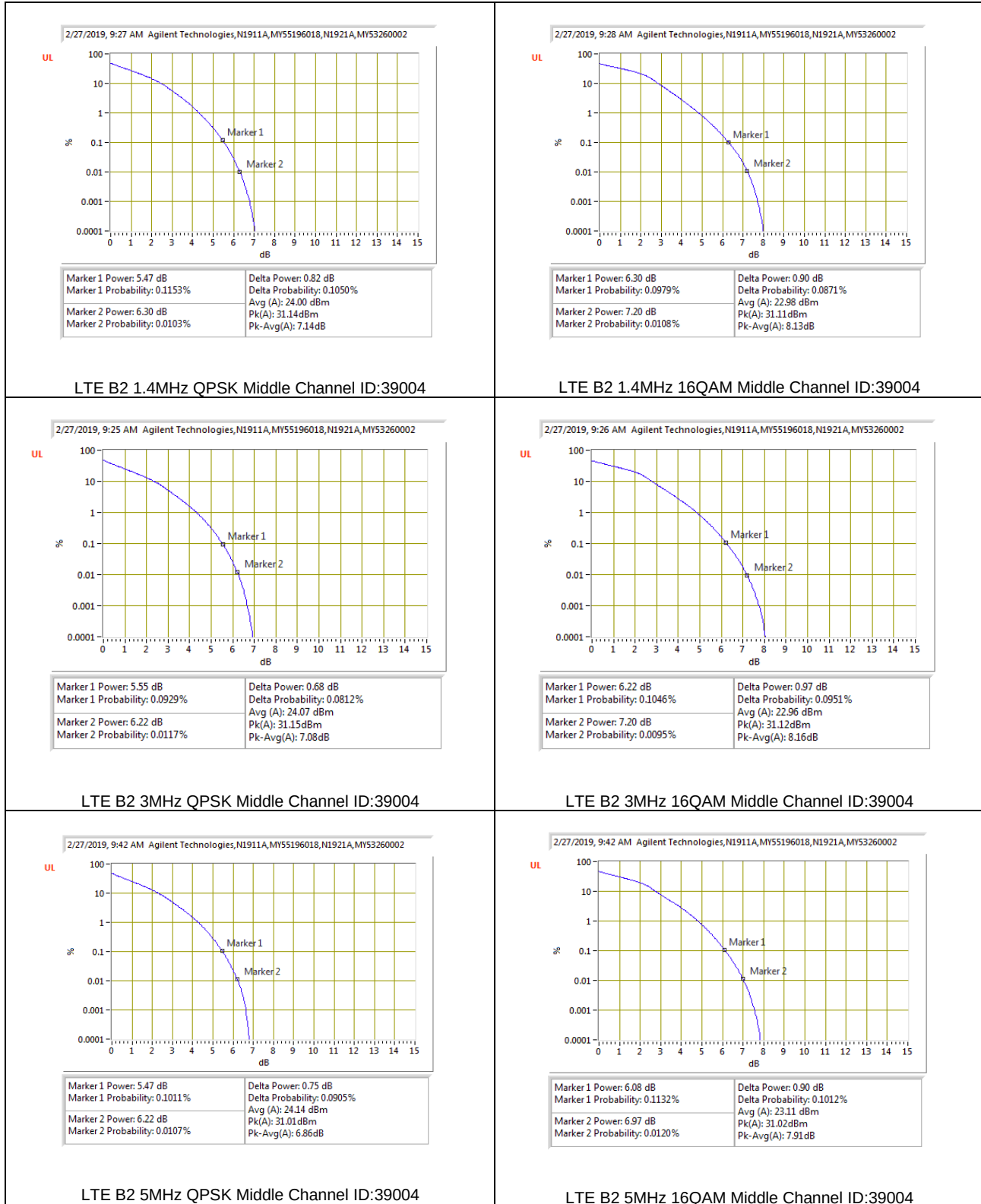
MODES TESTED

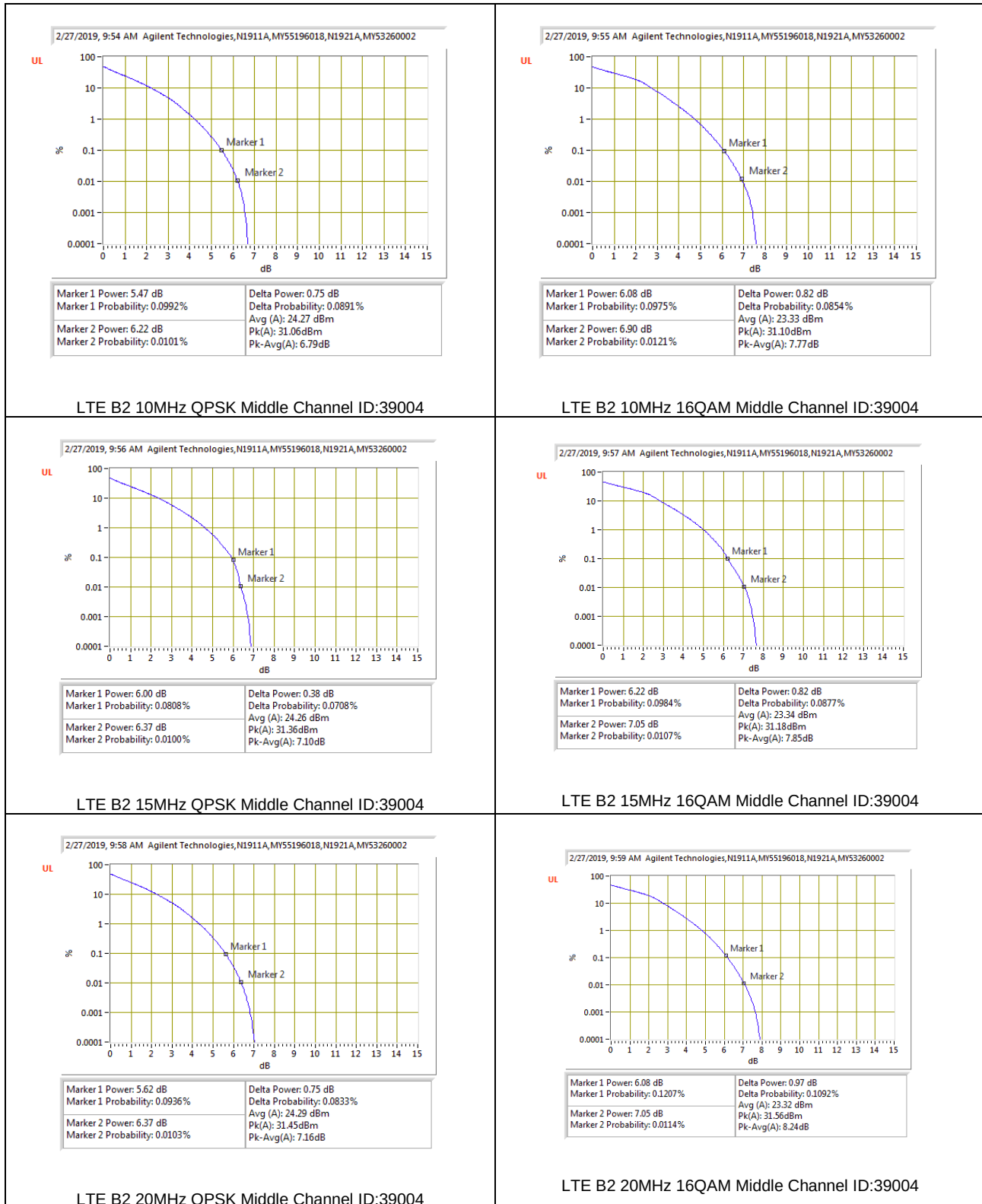
- LTE Band 2
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 14
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 41
- LTE Band 48
- LTE Band 66
- LTE Band 71

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.

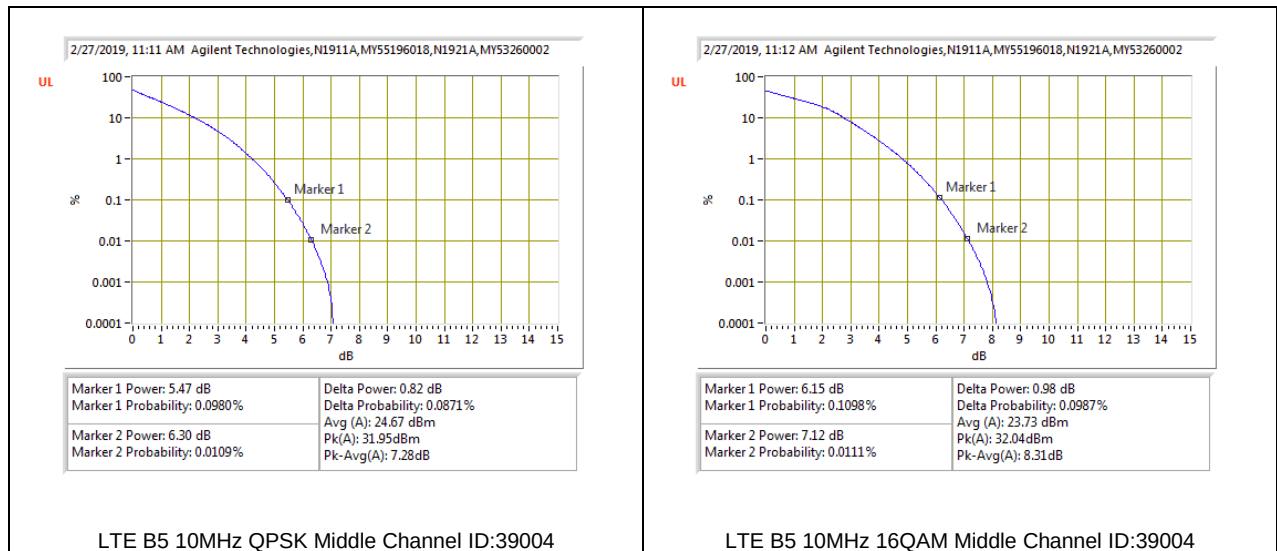
8.5.1. LTE BAND 2





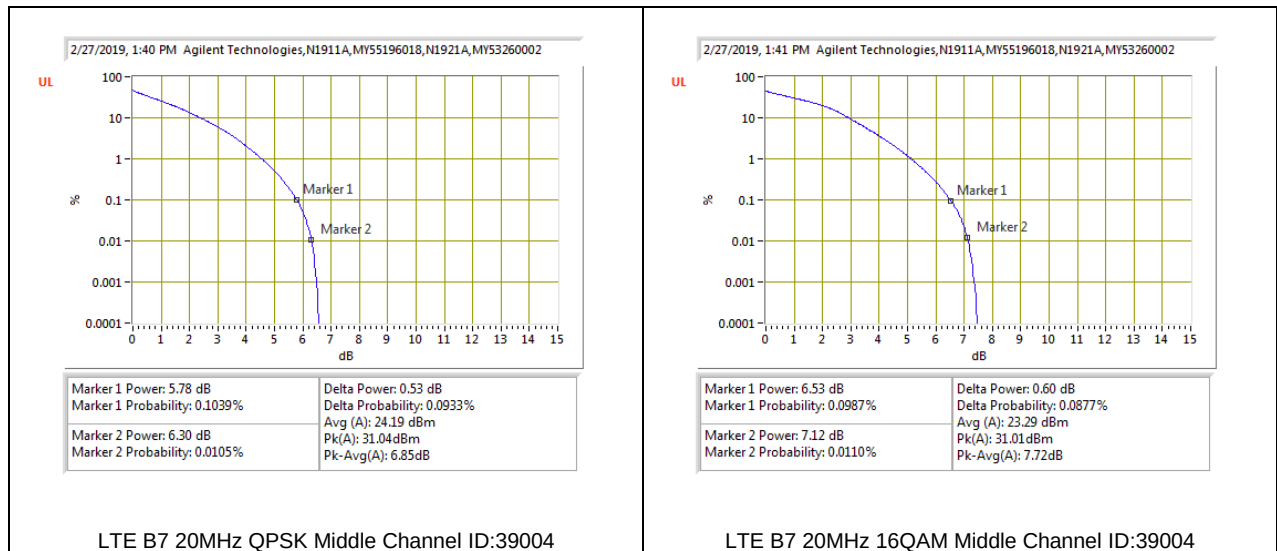
8.5.2. LTE BAND 5



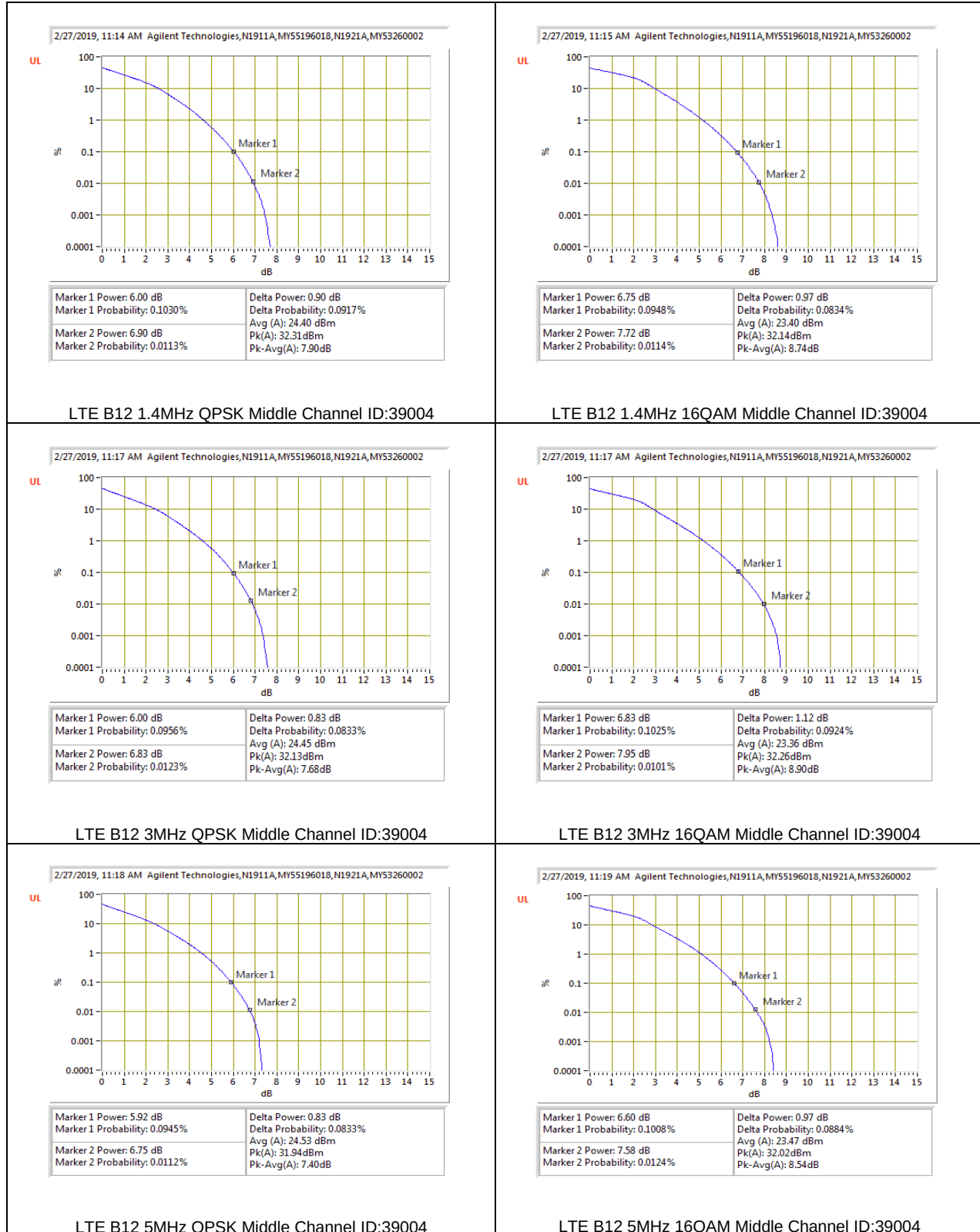


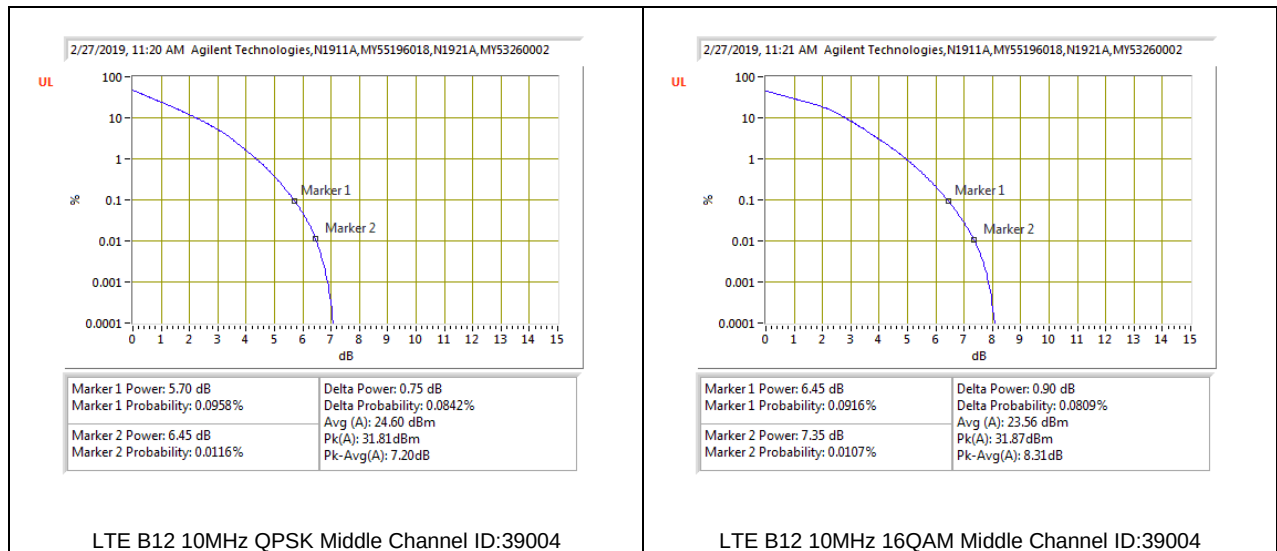
8.5.3. LTE BAND 7



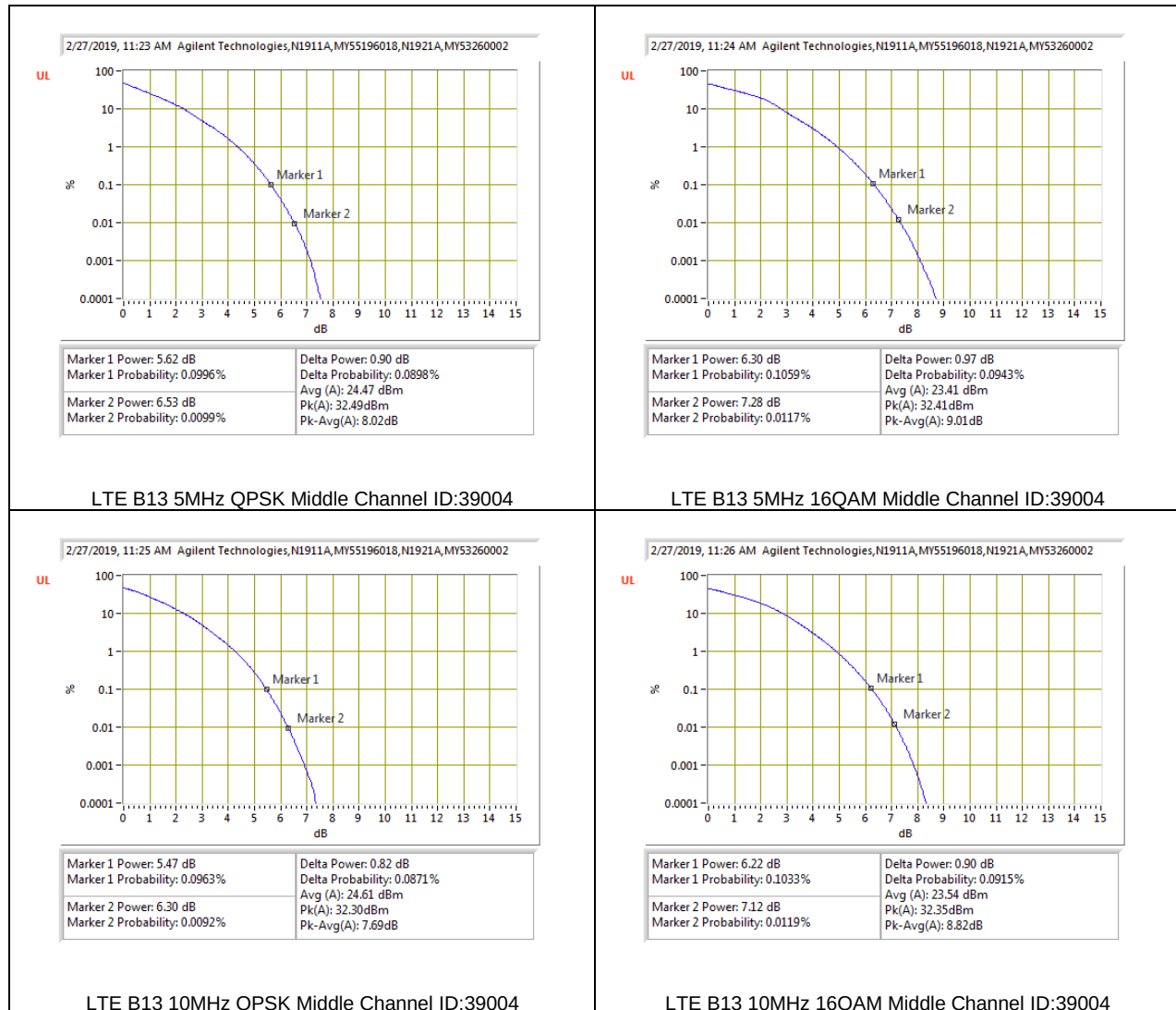


8.5.4. LTE BAND 12

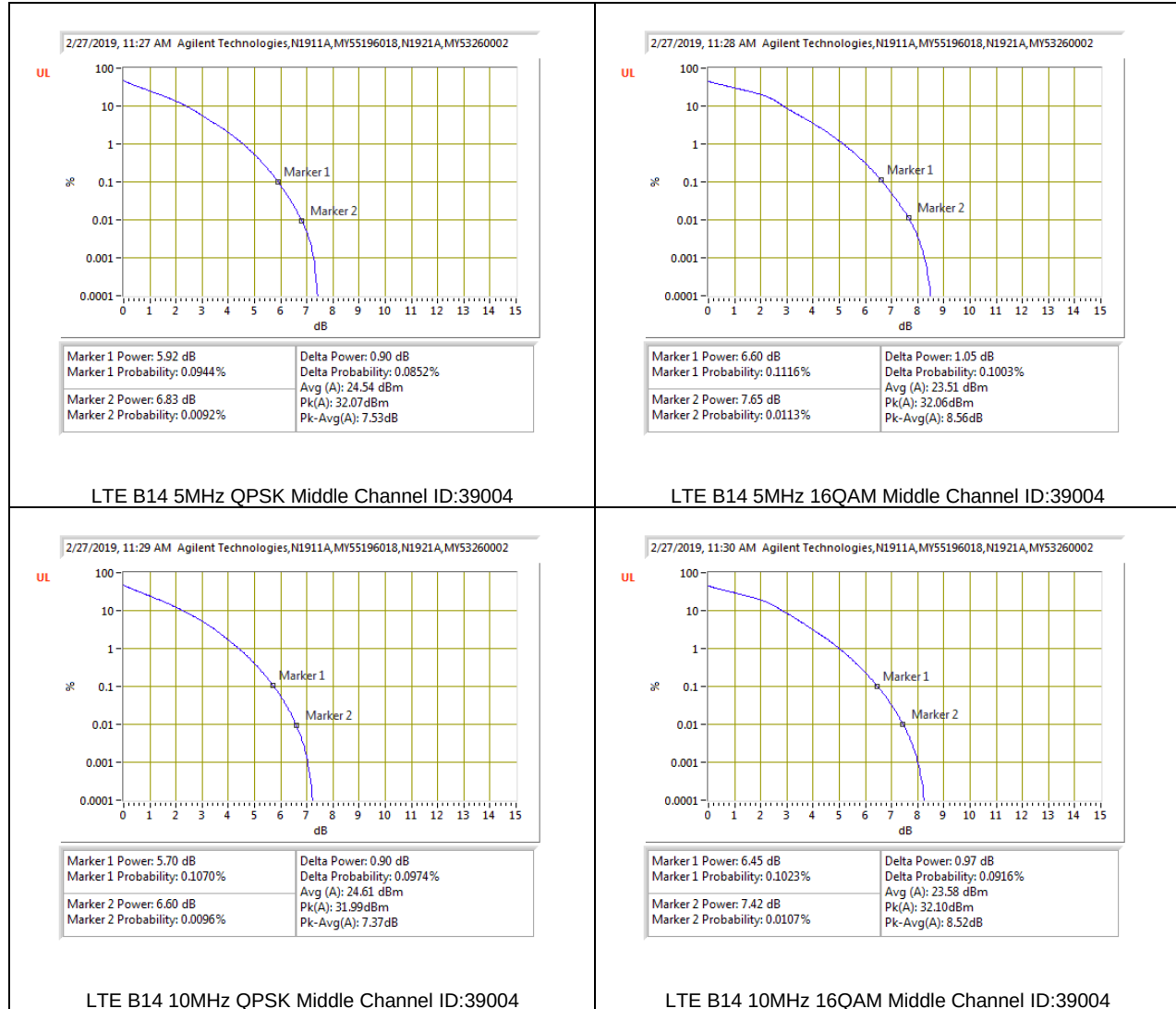




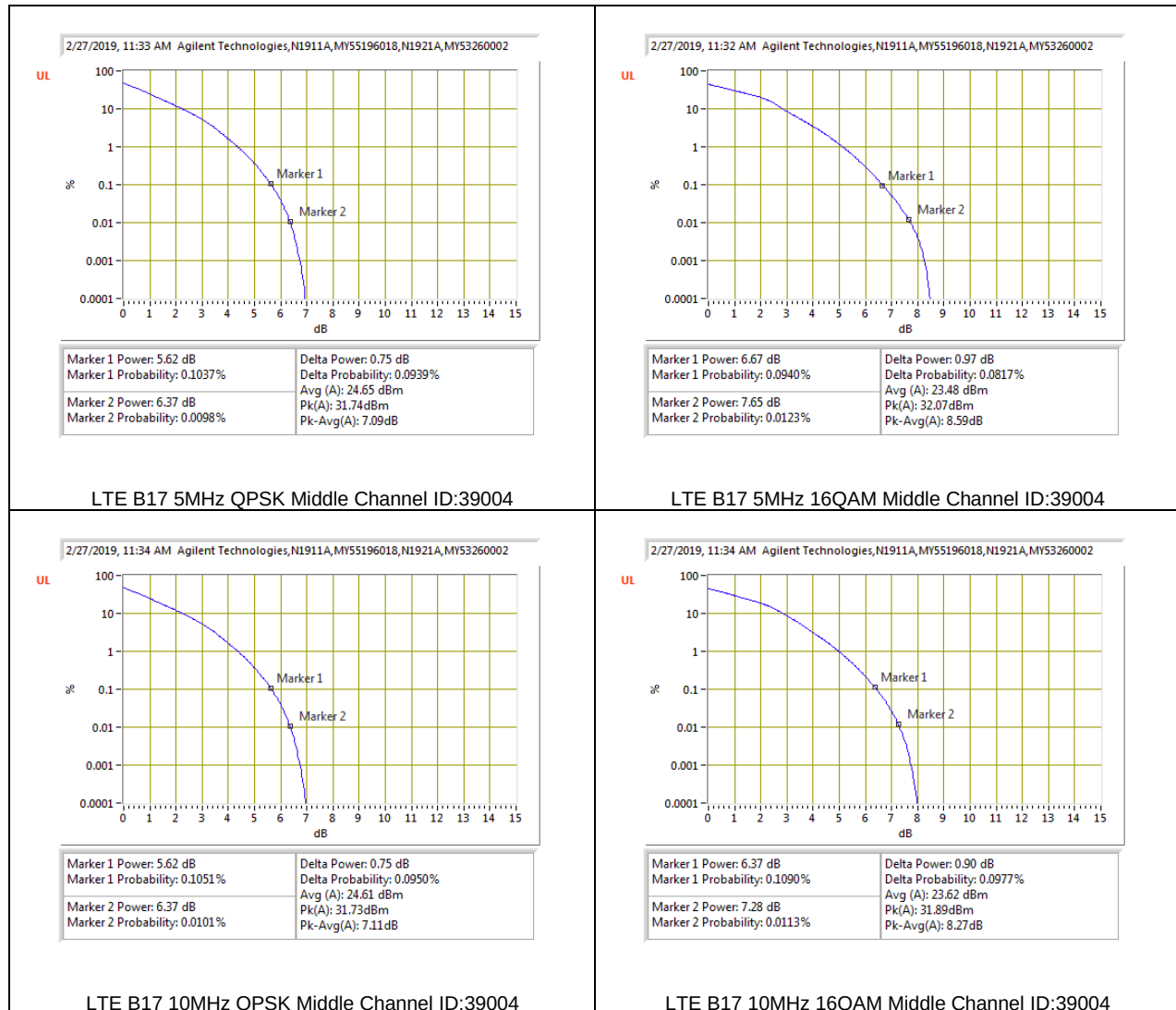
8.5.5. LTE BAND 13



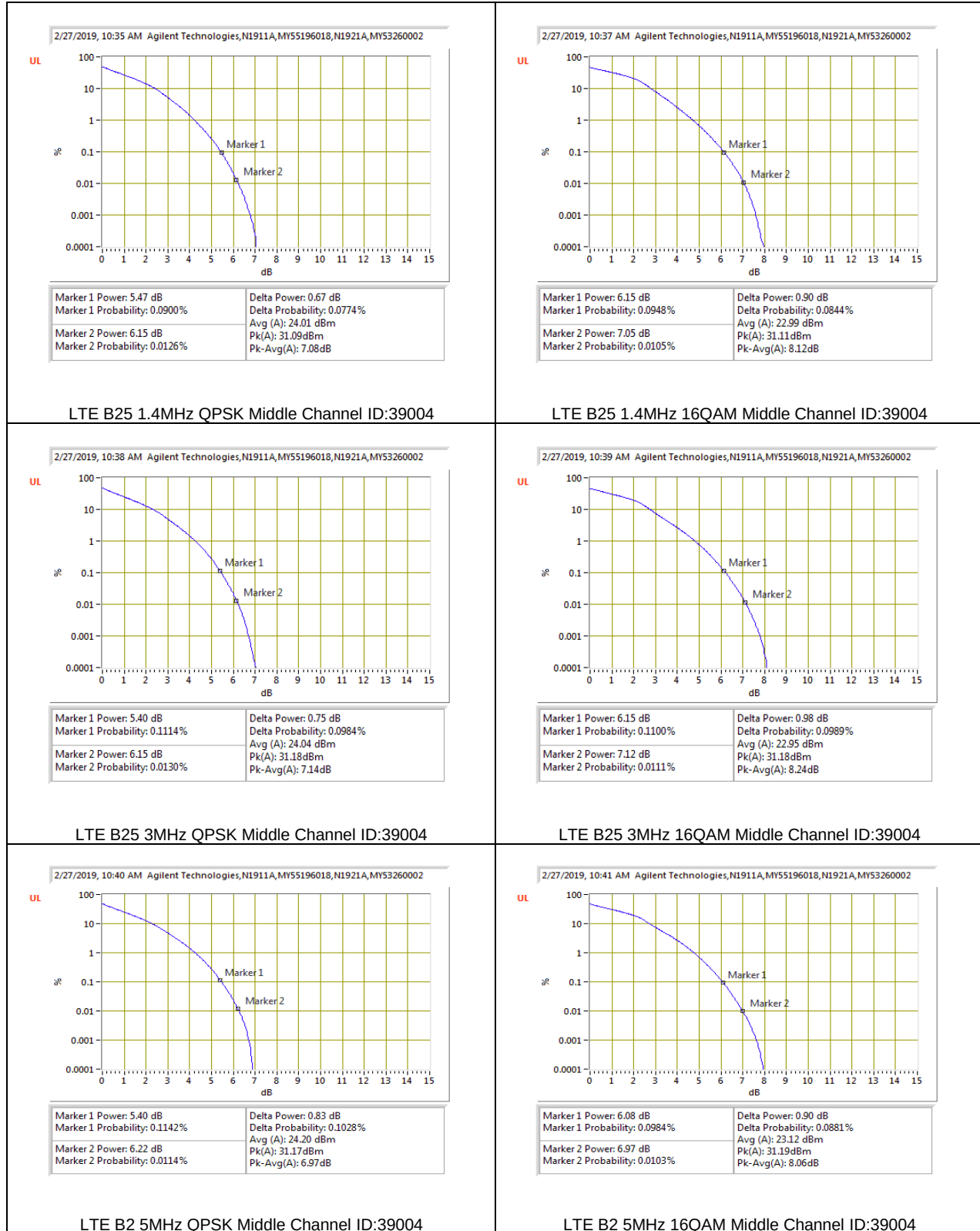
8.5.6. LTE BAND 14



8.5.7. LTE BAND 17

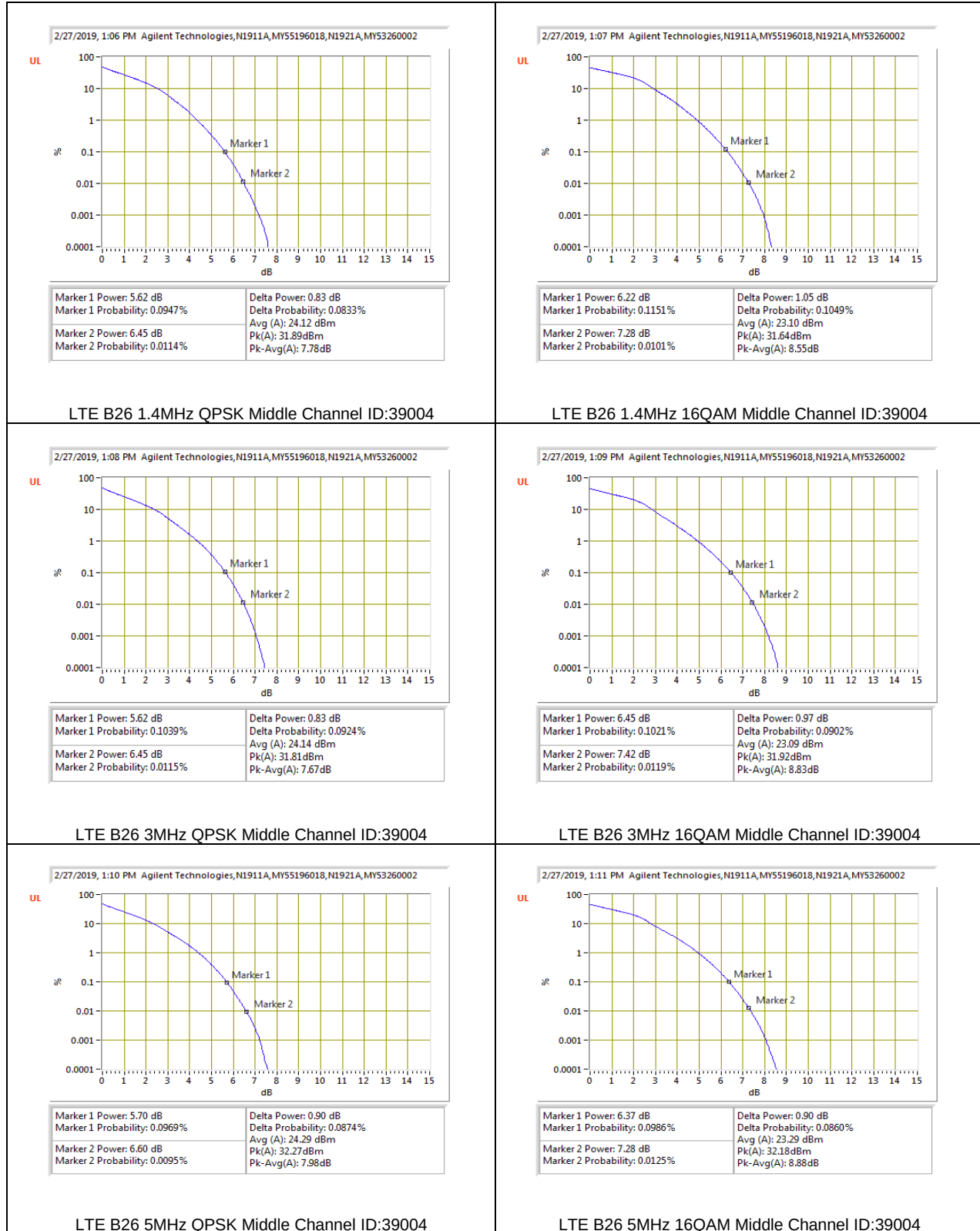


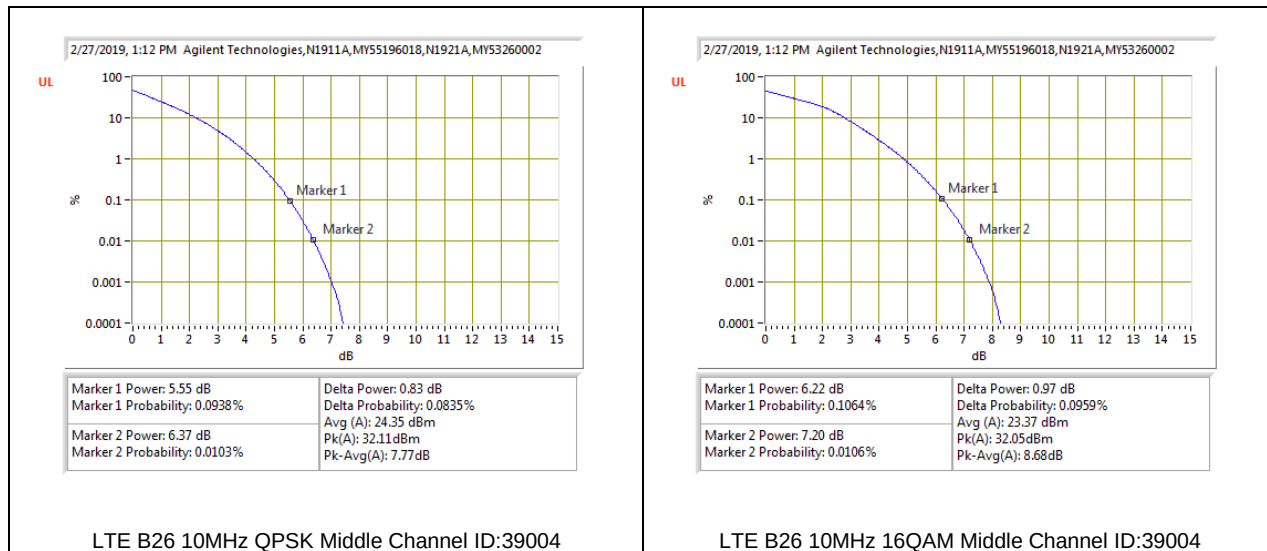
8.5.8. LTE BAND 25



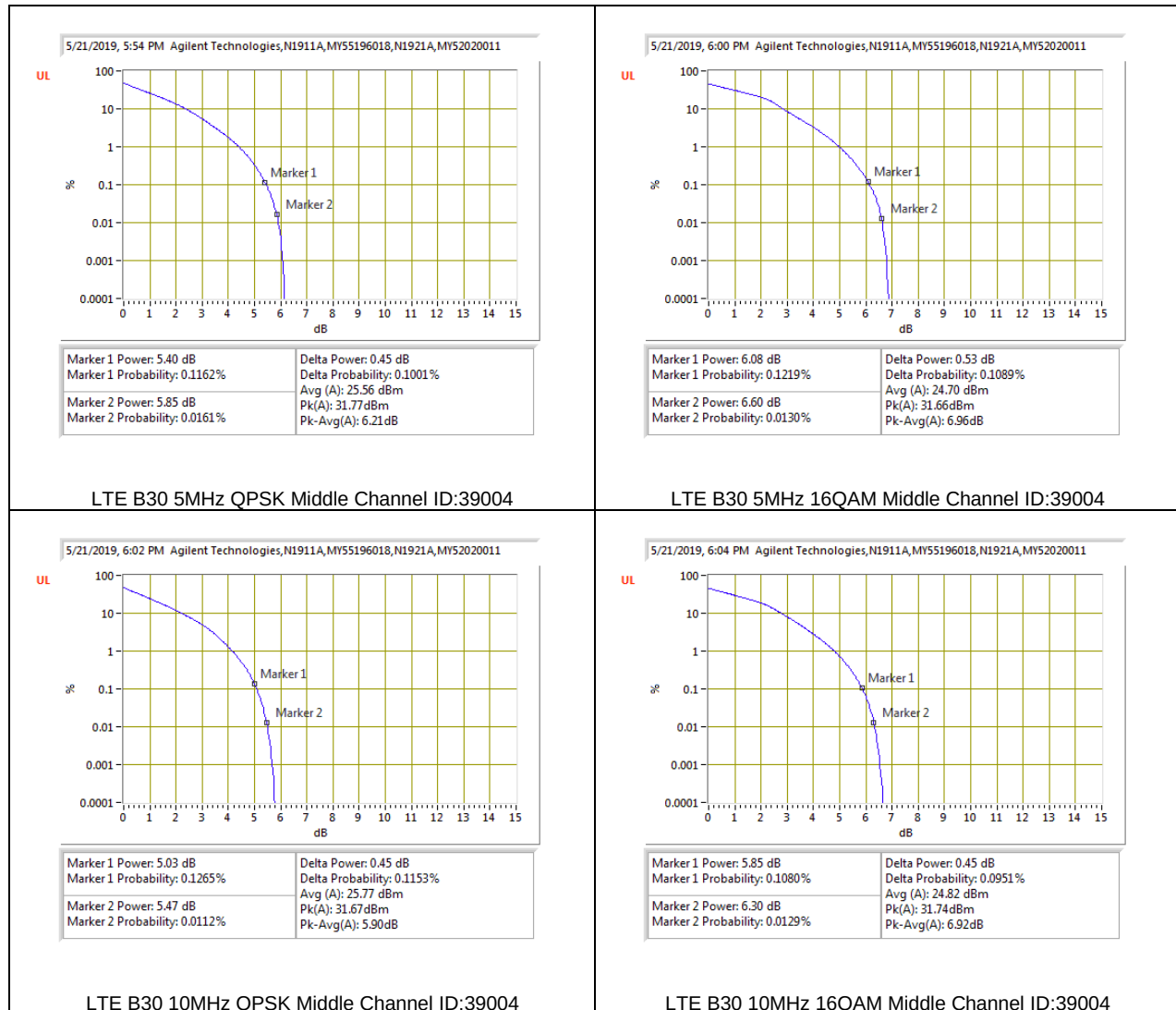


8.5.9. LTE BAND 26 (FCC PART 90S)





8.5.10. LTE BAND 30



8.5.11. LTE BAND 41

ID:	39004	Date:	3/18/19
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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	2593.0	25	0	QPSK	32.37	20.15	5.23
					16QAM	32.33	20.15	5.19
	10MHz		50	0	QPSK	32.67	20.33	5.35
					16QAM	32.64	19.36	6.29
	15MHz		75	0	QPSK	33.84	20.12	6.73
					16QAM	33.14	19.36	6.79
	20MHz		100	0	QPSK	32.82	20.24	5.59
					16QAM	32.78	19.35	6.44
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 48

ID:	12491	Date:	5/8/19
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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	31.25	17.03	7.23
					16QAM	31.12	15.98	8.15
	10MHz		50	0	QPSK	30.88	17.15	6.74
					16QAM	30.82	16.57	7.26
	15MHz		75	0	QPSK	30.85	17.12	6.74
					16QAM	30.71	15.99	7.73
	20MHz		100	0	QPSK	30.89	17.08	6.82
					16QAM	30.78	16.38	7.41
Duty Cycle Correction Factor (dB) =			6.99					
Peak-to-Average Power Ratio= Peak Reading - Average Reading - Duty Cycle Correction Factor								

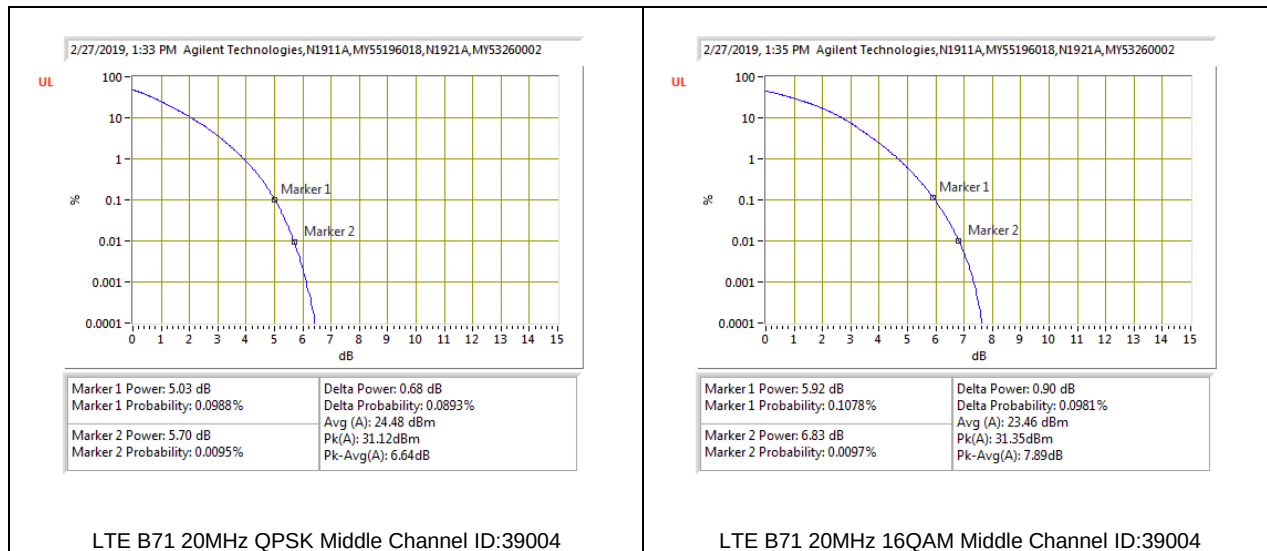
8.5.13. LTE BAND 66





8.5.14. LTE BAND 71





9. RADIATED TEST RESULTS

9.1. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 1

RULE PART(S)

FCC: §2.1053, §22.917, §24.238, §27.53, §90.691, 90.669, and §90.543

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 = -40dBm/MHz).

FCC: §90.543 Emission Limitations. (Band 14)

(e) For operations in the 758-768 MHz and the 788-798 MHz bands, the power of any emission outside the licensee's frequency band(s) of operation shall be attenuated below the transmitter power (P) within the licensed band(s) of operation, measured in watts, in accordance with the following:

(3) On any frequency between 775-788 MHz, above 805 MHz, and below 758 MHz, by at least $43 + 10 \log (P)$ dB.

(f) For operations in the 758-775 MHz and 788-805 MHz bands, all emissions including harmonics in the band 1559-1610 MHz shall be limited to -70 dBW/MHz equivalent isotropically radiated power (EIRP) for wideband signals, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth. For the purpose of equipment authorization, a transmitter shall be tested with an antenna that is representative of the type that will be used with the equipment in normal operation.

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 -40dBm/MHz.

TEST PROCEDURE

KDB 971168 D01/D02 v02r01

All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz.

MODES TESTED

- LTE Band 2
- LTE Band 4
- LTE Band 5
- LTE Band 7
- LTE Band 12
- LTE Band 13
- LTE Band 14
- LTE Band 17
- LTE Band 25
- LTE Band 26
- LTE Band 30
- LTE Band 41
- LTE Band 48
- LTE Band 66
- LTE Band 71

RESULTS

9.1.1. LTE BAND 2

Company:	
Project #:	12696946
Date:	2/21/2019
Test Engineer:	12492
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									
3.723	-72.51	Pk	33.3	-28.5	10.1	-57.61	-13	-44.61	H
7.441	-74.56	Pk	36.1	-24.9	6.9	-56.46	-13	-43.46	H
3.721	-71.07	Pk	33.3	-28.5	9.8	-56.47	-13	-43.47	V
7.44	-74.57	Pk	36.1	-24.9	6.9	-56.47	-13	-43.47	V
5.578	-72.98	Pk	35.5	-26.8	8.2	-56.08	-13	-43.08	H
5.583	-73.38	Pk	35.5	-26.8	8.1	-56.58	-13	-43.58	V
Mid Channel, 1880MHz									
3.755	-67.53	Pk	33.3	-28.6	9.4	-53.43	-13	-40.43	H
7.521	-70.2	Pk	36.2	-24.8	7.5	-51.3	-13	-38.3	H
3.759	-67.5	Pk	33.3	-28.6	9.6	-53.2	-13	-40.2	V
7.519	-70.32	Pk	36.2	-24.8	7.4	-51.52	-13	-38.52	V
5.642	-68.71	Pk	35.5	-26.7	8	-51.91	-13	-38.91	V
5.644	-68.48	Pk	35.5	-26.7	8	-51.68	-13	-38.68	H
High Channel, 1900MHz									
3.803	-71.35	Pk	33.4	-28.7	9.8	-56.85	-13	-43.85	H
7.605	-73.97	Pk	36.4	-24.8	7.7	-54.67	-13	-41.67	H
3.802	-71.83	Pk	33.4	-28.7	9.5	-57.63	-13	-44.63	V
7.599	-75.49	Pk	36.4	-24.7	7.4	-56.39	-13	-43.39	V
5.701	-72.32	Pk	35.5	-26.6	7.6	-55.82	-13	-42.82	V
5.703	-73.52	Pk	35.5	-26.5	7.7	-56.82	-13	-43.82	H

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/21/2019
Test Engineer:	12492
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									
3.714	-68.49	Pk	33.3	-28.6	9.8	-53.99	-13	-40.99	H
7.446	-69.96	Pk	36.1	-24.8	7.2	-51.46	-13	-38.46	H
3.719	-67.87	Pk	33.3	-28.5	9.7	-53.37	-13	-40.37	V
7.443	-70.06	Pk	36.1	-24.8	6.9	-51.86	-13	-38.86	V
5.582	-68.96	Pk	35.5	-26.8	8.2	-52.06	-13	-39.06	H
5.582	-67.35	Pk	35.5	-26.8	8.2	-50.45	-13	-37.45	V
Mid Channel, 1880MHz									
3.76	-67.73	Pk	33.3	-28.6	9.3	-53.73	-13	-40.73	H
7.518	-69.81	Pk	36.2	-24.8	7.5	-50.91	-13	-37.91	H
3.762	-67.91	Pk	33.3	-28.6	9.7	-53.51	-13	-40.51	V
7.518	-69.76	Pk	36.2	-24.8	7.5	-50.86	-13	-37.86	V
5.639	-69.06	Pk	35.5	-26.7	8.2	-52.06	-13	-39.06	V
5.64	-68.52	Pk	35.5	-26.7	8.3	-51.42	-13	-38.42	H
High Channel, 1900MHz									
3.803	-67.31	Pk	33.4	-28.7	9.8	-52.81	-13	-39.81	H
7.599	-70.29	Pk	36.4	-24.7	7.5	-51.09	-13	-38.09	H
3.799	-67.3	Pk	33.4	-28.8	9.4	-53.3	-13	-40.3	V
7.602	-70.32	Pk	36.4	-24.8	7.5	-51.22	-13	-38.22	V
5.701	-68.24	Pk	35.5	-26.6	7.6	-51.74	-13	-38.74	V
5.702	-68.6	Pk	35.5	-26.5	7.7	-51.9	-13	-38.9	H

Pk - Peak detector

9.1.2. LTE BAND 5

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	10646
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									
2.489	-71.47	Pk	32.6	-30.5	8.7	-60.67	-13	-47.67	H
2.489	-71.63	Pk	32.6	-30.5	8.7	-60.83	-13	-47.83	V
1.654	-70.78	Pk	28.7	-31.8	10.8	-63.08	-13	-50.08	H
1.655	-70.33	Pk	28.7	-31.8	9.7	-63.73	-13	-50.73	V
3.314	-71.03	Pk	32.9	-29.2	9.6	-57.73	-13	-44.73	H
3.315	-72.21	Pk	32.9	-29.2	9.8	-58.71	-13	-45.71	V
Mid Channel, 836.5MHz									
1.674	-69.6	Pk	29.1	-31.7	10.5	-61.7	-13	-48.7	H
1.669	-70.91	Pk	29	-31.8	8.9	-64.81	-13	-51.81	V
2.504	-71.45	Pk	32.7	-30.5	9.4	-59.85	-13	-46.85	V
2.507	-70.55	Pk	32.7	-30.5	9.1	-59.25	-13	-46.25	H
3.34	-71.86	Pk	32.9	-29	9.1	-58.86	-13	-45.86	V
3.345	-73.32	Pk	32.9	-28.9	9.1	-60.22	-13	-47.22	H
High Channel, 844MHz									
1.691	-70.45	Pk	29.4	-31.7	10.4	-62.35	-13	-49.35	H
1.685	-68.71	Pk	29.3	-31.7	9.8	-61.31	-13	-48.31	V
2.536	-70.94	Pk	32.7	-30.4	9	-59.64	-13	-46.64	H
2.538	-71.26	Pk	32.7	-30.4	9.1	-59.86	-13	-46.86	V
3.363	-72.41	Pk	32.9	-28.9	9.7	-58.71	-13	-45.71	V
3.375	-71.57	Pk	32.8	-29.1	9.2	-58.67	-13	-45.67	H

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	10646
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									
3.848	-67.35	Pk	33.4	-28.8	9.5	-53.25	-13	-40.25	H
2.484	-71.03	Pk	32.6	-30.5	8.7	-60.23	-13	-47.23	V
1.656	-69.76	Pk	28.7	-31.8	10.7	-62.16	-13	-49.16	H
1.657	-70.42	Pk	28.7	-31.8	9.5	-64.02	-13	-51.02	V
2.477	-71.33	Pk	32.6	-30.4	8.7	-60.43	-13	-47.43	H
3.314	-72.74	Pk	32.9	-29.2	9.6	-59.44	-13	-46.44	H
3.319	-71.77	Pk	32.9	-29.2	9.4	-58.67	-13	-45.67	V
Mid Channel, 836.5MHz									
1.672	-70.78	Pk	29	-31.8	10.6	-62.98	-13	-49.98	H
1.67	-71.03	Pk	29	-31.8	9	-64.83	-13	-51.83	V
2.509	-69.12	Pk	32.7	-30.5	9.1	-57.82	-13	-44.82	H
2.509	-71.27	Pk	32.7	-30.5	9.3	-59.77	-13	-46.77	V
3.345	-71.76	Pk	32.9	-28.9	9.1	-58.66	-13	-45.66	H
3.345	-71	Pk	32.9	-28.9	9.3	-57.7	-13	-44.7	V
High Channel, 844MHz									
1.686	-69.9	Pk	29.3	-31.7	10.8	-61.5	-13	-48.5	H
1.684	-68.7	Pk	29.3	-31.7	9.8	-61.3	-13	-48.3	V
2.525	-71.17	Pk	32.7	-30.4	9.4	-59.47	-13	-46.47	V
2.526	-71.24	Pk	32.7	-30.5	9.2	-59.84	-13	-46.84	H
3.374	-71	Pk	32.8	-29.1	9.2	-58.1	-13	-45.1	H
3.376	-70.91	Pk	32.8	-29	9.2	-57.91	-13	-44.91	V

Pk - Peak detector

9.1.3. LTE BAND 7

Company:	
Project #:	12696946
Date:	2/21/2019
Test Engineer:	39472
Configuration:	EUT
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									
5.041	-72.02	Pk	34.6	-26.7	8.9	-55.22	-25	-30.22	H
7.52	-74.21	Pk	36.2	-24.8	7.5	-55.31	-25	-30.31	H
10.053	-76.05	Pk	37.6	-20.9	7.9	-51.45	-25	-26.45	H
5.048	-71.95	Pk	34.6	-26.7	9.4	-54.65	-25	-29.65	V
7.51	-73.99	Pk	36.2	-24.7	7.7	-54.79	-25	-29.79	V
10.057	-75.88	Pk	37.6	-20.9	8	-51.18	-25	-26.18	V
Mid Channel, 2535MHz									
5.073	-71.61	Pk	34.5	-27	8.5	-55.61	-25	-30.61	H
7.605	-74.1	Pk	36.4	-24.8	7.7	-54.8	-25	-29.8	H
10.14	-75.93	Pk	37.7	-20.8	6.4	-52.63	-25	-27.63	H
5.074	-72.29	Pk	34.5	-27	8.4	-56.39	-25	-31.39	V
7.607	-74.57	Pk	36.4	-24.7	7.5	-55.37	-25	-30.37	V
10.139	-75.89	Pk	37.7	-20.8	6.4	-52.59	-25	-27.59	V
High Channel, 2560MHz									
5.117	-73.74	Pk	34.6	-27	9.1	-57.04	-25	-32.04	V
5.118	-71.84	Pk	34.6	-27	9	-55.24	-25	-30.24	H
7.68	-74.65	Pk	36.4	-24.1	7.7	-54.65	-25	-29.65	H
7.683	-74.89	Pk	36.4	-24.2	7.6	-55.09	-25	-30.09	V
10.236	-76.75	Pk	37.8	-20.6	7.5	-52.05	-25	-27.05	V
10.246	-76.55	Pk	37.8	-20.7	7.5	-51.95	-25	-26.95	H

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/21/2019
Test Engineer:	39472
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									
5.025	-72.81	Pk	34.6	-27.1	8.4	-56.91	-25	-31.91	H
7.527	-74.12	Pk	36.2	-24.8	7.4	-55.32	-25	-30.32	H
5.023	-72.13	Pk	34.6	-27.1	8.8	-55.83	-25	-30.83	V
7.527	-74.35	Pk	36.2	-24.8	7.3	-55.65	-25	-30.65	V
10.061	-75.43	Pk	37.6	-20.9	8	-50.73	-25	-25.73	V
10.068	-75.17	Pk	37.6	-21	7.9	-50.67	-25	-25.67	H
Mid Channel, 2535MHz									
5.076	-72.76	Pk	34.5	-27	8.5	-56.76	-25	-31.76	H
7.606	-74.19	Pk	36.4	-24.7	7.6	-54.89	-25	-29.89	H
10.137	-75.19	Pk	37.7	-20.8	6.3	-51.99	-25	-26.99	H
5.069	-71.21	Pk	34.5	-27	8.6	-55.11	-25	-30.11	V
7.604	-74.38	Pk	36.4	-24.8	7.6	-55.18	-25	-30.18	V
10.138	-75.88	Pk	37.7	-20.8	6.3	-52.68	-25	-27.68	V
High Channel, 2560MHz									
5.12	-72.1	Pk	34.6	-27	8.9	-55.6	-25	-30.6	H
7.691	-74.23	Pk	36.5	-24.2	7.5	-54.43	-25	-29.43	H
10.239	-75.82	Pk	37.8	-20.6	7.6	-51.02	-25	-26.02	H
5.119	-73.06	Pk	34.6	-27	8.9	-56.56	-25	-31.56	V
7.688	-73.67	Pk	36.4	-24.2	7.7	-53.77	-25	-28.77	V
10.241	-73.82	Pk	37.8	-20.6	7.5	-49.12	-25	-26.12	V

Pk - Peak detector

9.1.4. LTE BAND 12

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	12492
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									
1.408	-70.58	Pk	28.4	-32.4	10.5	-64.08	-13	-51.08	H
2.817	-70.75	Pk	32.5	-29.4	9.6	-58.05	-13	-45.05	H
1.407	-70.49	Pk	28.5	-32.4	9.8	-64.59	-13	-51.59	V
2.819	-71.04	Pk	32.5	-29.4	9.2	-58.74	-13	-45.74	V
2.111	-70.88	Pk	31.1	-30.8	9.5	-61.08	-13	-48.08	V
2.116	-70.37	Pk	31.2	-30.9	10.3	-59.77	-13	-46.77	H
Mid Channel, 707.5MHz									
1.414	-71.08	Pk	28.4	-32.3	9.9	-65.08	-13	-52.08	H
2.838	-71.72	Pk	32.5	-29.5	9.4	-59.32	-13	-46.32	H
1.417	-69.38	Pk	28.4	-32.4	9	-64.38	-13	-51.38	V
2.83	-71.39	Pk	32.5	-29.5	9.5	-58.89	-13	-45.89	V
2.12	-71.19	Pk	31.2	-30.8	10.4	-60.39	-13	-47.39	H
2.12	-70.83	Pk	31.2	-30.8	9.8	-60.63	-13	-47.63	V
High Channel, 711MHz									
1.423	-69.06	Pk	28.3	-32.2	8.7	-64.26	-13	-51.26	H
2.84	-72.24	Pk	32.5	-29.6	9.3	-60.04	-13	-47.04	H
1.422	-68.84	Pk	28.3	-32.3	8.9	-63.94	-13	-50.94	V
2.847	-71.95	Pk	32.5	-29.7	9.1	-60.05	-13	-47.05	V
2.132	-71.25	Pk	31.2	-30.8	10.4	-60.45	-13	-47.45	V
2.137	-70.95	Pk	31.2	-30.9	11.7	-58.95	-13	-45.95	H

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	12492
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									
1.41	-70.16	Pk	28.4	-32.4	10.5	-63.66	-13	-50.66	H
2.819	-71.81	Pk	32.5	-29.4	9.6	-59.11	-13	-46.11	H
1.407	-70.36	Pk	28.5	-32.4	9.8	-64.46	-13	-51.46	V
2.82	-70.9	Pk	32.5	-29.4	9.2	-58.6	-13	-45.6	V
2.11	-70.34	Pk	31.1	-30.8	10.2	-59.84	-13	-46.84	H
2.111	-71.05	Pk	31.1	-30.8	9.5	-61.25	-13	-48.25	V
Mid Channel, 707.5MHz									
1.42	-69.53	Pk	28.4	-32.3	9.1	-64.33	-13	-51.33	H
2.825	-72.4	Pk	32.5	-29.5	10	-59.4	-13	-46.4	H
1.42	-69.21	Pk	28.4	-32.3	9	-64.11	-13	-51.11	V
2.829	-71.46	Pk	32.5	-29.4	9.6	-58.76	-13	-45.76	V
2.119	-70.26	Pk	31.2	-30.8	10.4	-59.46	-13	-46.46	H
2.12	-71.06	Pk	31.2	-30.8	9.9	-60.76	-13	-47.76	V
High Channel, 711MHz									
1.427	-68.55	Pk	28.3	-32.2	8.2	-64.25	-13	-51.25	H
2.846	-71.82	Pk	32.5	-29.8	8.7	-60.42	-13	-47.42	H
1.424	-69.33	Pk	28.3	-32.2	8.6	-64.63	-13	-51.63	V
2.839	-71.96	Pk	32.5	-29.6	9.2	-59.86	-13	-46.86	V
2.133	-70.98	Pk	31.2	-30.8	11.2	-59.38	-13	-46.38	H
2.137	-71.44	Pk	31.2	-30.9	10.3	-60.84	-13	-47.84	V

Pk - Peak detector

9.1.5. LTE BAND 13

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	12492
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									
1.563	-65.67	Pk	27.7	-32	9.2	-60.77	-40	-20.77	H
2.341	-67.5	Pk	32.1	-30.6	10.1	-55.9	-13	-42.9	H
1.562	-65.87	Pk	27.7	-32	10	-60.17	-40	-20.17	V
2.351	-66.63	Pk	32.2	-30.6	9.8	-55.23	-13	-42.23	V
3.128	-67.85	Pk	33.2	-29.5	9.4	-54.75	-13	-41.75	H
3.128	-67.69	Pk	33.2	-29.5	10	-53.99	-13	-40.99	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	12492
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									
1.567	-65	Pk	27.7	-32.1	9.5	-59.9	-40	-19.9	H
2.346	-66.78	Pk	32.2	-30.6	10	-55.18	-13	-42.18	H
1.565	-65.02	Pk	27.7	-32.1	10.2	-59.22	-40	-19.22	V
2.349	-67.27	Pk	32.2	-30.6	9.6	-56.07	-13	-43.07	V
3.129	-67.48	Pk	33.2	-29.5	9.4	-54.38	-13	-41.38	H
3.133	-67.74	Pk	33.2	-29.5	10.2	-53.84	-13	-40.84	V

Pk - Peak detector

9.1.6. LTE BAND 14

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	12492
Configuration:	EUT Only
Mode:	LTE 14 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, 793MHz									
1.586	-65.6	Pk	27.7	-32	9.2	-60.7	-40	-20.7	H
2.377	-66.8	Pk	32.3	-30.5	9.8	-55.2	-13	-42.2	H
1.582	-66.39	Pk	27.7	-32	10	-60.69	-40	-20.69	V
2.379	-65.09	Pk	32.3	-30.5	9.5	-53.79	-13	-40.79	V
3.174	-67.57	Pk	33.1	-29	9.7	-53.77	-13	-40.77	H
3.174	-67.81	Pk	33.1	-29.1	9.8	-54.01	-13	-41.01	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	12492
Configuration:	EUT Only
Mode:	LTE 14 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, 793MHz									
1.589	-66.68	Pk	27.7	-32	9.5	-61.48	-40	-21.48	H
2.381	-66.82	Pk	32.3	-30.5	9.7	-55.32	-13	-42.32	H
1.59	-65.87	Pk	27.7	-32	10.4	-59.77	-40	-19.77	V
2.376	-66.46	Pk	32.3	-30.5	9.6	-55.06	-13	-42.06	V
3.169	-67.39	Pk	33.1	-29.1	9.8	-53.59	-13	-40.59	V
3.173	-67.75	Pk	33.1	-29.1	9.7	-54.05	-13	-41.05	H

Pk - Peak detector

9.1.7. LTE BAND 17

Company:	
Project #:	12696946
Date:	3/5/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 17 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, 793MHz									
1.361	-66.65	Pk	28.5	-32.4	9.3	-61.25	-13	-48.25	H
1.408	-66.7	Pk	28.4	-32.4	9.8	-60.9	-13	-47.9	V
2.121	-67.51	Pk	31.2	-30.8	10.3	-56.81	-13	-43.81	H
2.122	-67.42	Pk	31.2	-30.9	10.1	-57.02	-13	-44.02	V
3.087	-67.65	Pk	33.2	-29.7	9.7	-54.45	-13	-41.45	H
3.16	-68.33	Pk	33.1	-29.2	10.1	-54.33	-13	-41.33	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	3/5/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 17 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, 793MHz									
1.406	-67.07	Pk	28.5	-32.4	9.8	-61.17	-13	-48.17	V
1.412	-65.83	Pk	28.4	-32.3	10.3	-59.43	-13	-46.43	H
2.118	-63.86	Pk	31.2	-30.9	10.3	-53.26	-13	-40.26	H
2.271	-68.24	Pk	31.8	-30.6	9	-58.04	-13	-45.04	V
2.8	-67.87	Pk	32.4	-29.6	9.5	-55.57	-13	-42.57	H
3.104	-67.62	Pk	33.3	-29.4	10.7	-53.02	-13	-40.02	V

Pk - Peak detector

9.1.8. LTE BAND 25

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	39472
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									
3.726	-70.7	Pk	33.3	-28.3	10.1	-55.6	-13	-42.60	H
5.581	-72.81	Pk	35.5	-26.7	8.3	-55.71	-13	-42.71	H
7.437	-74.05	Pk	36.1	-24.9	7	-55.85	-13	-42.85	H
3.724	-72.64	Pk	33.3	-28.4	10	-57.74	-13	-44.74	V
5.577	-73.46	Pk	35.5	-26.9	8.3	-56.56	-13	-43.56	V
7.434	-74.12	Pk	36.1	-24.8	7	-55.82	-13	-42.82	V
Mid Channel, 1882.5MHz									
3.763	-71.39	Pk	33.3	-28.6	9.3	-57.39	-13	-44.39	H
5.649	-73.04	Pk	35.5	-26.6	8.1	-56.04	-13	-43.04	H
7.531	-75.07	Pk	36.2	-24.8	7.5	-56.17	-13	-43.17	H
3.751	-71.33	Pk	33.3	-28.5	9.8	-56.73	-13	-43.73	V
7.527	-74.49	Pk	36.2	-24.8	7.3	-55.79	-13	-42.79	V
5.634	-73.17	Pk	35.5	-26.7	8.6	-55.77	-13	-42.77	V
High Channel, 1905MHz									
3.81	-71.08	Pk	33.4	-28.9	9.3	-57.28	-13	-44.28	H
7.605	-73.43	Pk	36.4	-24.8	7.7	-54.13	-13	-41.13	H
3.809	-70.63	Pk	33.4	-28.9	9.2	-56.93	-13	-43.93	V
7.601	-73.22	Pk	36.4	-24.8	7.5	-54.12	-13	-41.12	V
5.705	-74.05	Pk	35.5	-26.5	7.7	-57.35	-13	-44.35	H
5.709	-73	Pk	35.5	-26.7	7.6	-56.6	-13	-43.60	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	39472
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									
3.718	-71.67	Pk	33.3	-28.5	9.8	-57.07	-13	-44.07	H
5.58	-73.47	Pk	35.5	-26.7	8.3	-56.37	-13	-43.37	H
7.445	-73.99	Pk	36.1	-24.8	7.1	-55.59	-13	-42.59	H
3.715	-72.37	Pk	33.3	-28.6	9.7	-57.97	-13	-44.97	V
5.578	-72.74	Pk	35.5	-26.8	8.3	-55.74	-13	-42.74	V
7.435	-73.23	Pk	36.1	-24.9	7	-55.03	-13	-42.03	V
Mid Channel, 1872.5MHz									
3.765	-72.53	Pk	33.3	-28.6	9.3	-58.53	-13	-45.53	H
5.648	-72.88	Pk	35.5	-26.6	8.1	-55.88	-13	-42.88	H
7.535	-72.72	Pk	36.2	-24.8	7.4	-53.92	-13	-40.92	H
3.764	-70.73	Pk	33.3	-28.6	9.7	-56.33	-13	-43.33	V
5.651	-72.79	Pk	35.5	-26.6	8.1	-55.79	-13	-42.79	V
7.529	-73.1	Pk	36.2	-24.8	7.3	-54.4	-13	-41.40	V
High Channel, 1905MHz									
3.805	-71.66	Pk	33.4	-28.7	9.6	-57.36	-13	-44.36	H
7.603	-73.53	Pk	36.4	-24.8	7.6	-54.33	-13	-41.33	H
3.806	-71.98	Pk	33.4	-28.7	9.2	-58.08	-13	-45.08	V
7.606	-75.13	Pk	36.4	-24.7	7.6	-55.83	-13	-42.83	V
5.704	-71.81	Pk	35.5	-26.5	7.5	-55.31	-13	-42.31	V
5.707	-73.37	Pk	35.5	-26.6	7.7	-56.77	-13	-43.77	H

Pk - Peak detector

9.1.9. LTE BAND 26

Company:	
Project #:	12696946
Date:	2/22/2019
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									
1.635	-70.29	Pk	28.3	-31.9	10.6	-63.29	-13	-50.29	V
1.638	-70.09	Pk	28.4	-32	10.5	-63.19	-13	-50.19	H
2.454	-69.94	Pk	32.5	-30.4	8.6	-59.24	-13	-46.24	H
2.457	-71.38	Pk	32.6	-30.4	8.9	-60.28	-13	-47.28	V
3.273	-72.32	Pk	33	-29.2	10	-58.52	-13	-45.52	H
3.275	-72.65	Pk	33	-29.2	9.1	-59.75	-13	-46.75	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
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									
1.638	-69.16	Pk	28.4	-32	10.6	-62.16	-13	-49.16	V
1.639	-70.59	Pk	28.4	-32	10.6	-63.59	-13	-50.59	H
2.443	-66.52	Pk	32.5	-30.5	9.4	-55.12	-13	-42.12	V
2.460	-71.16	Pk	32.6	-30.4	8.8	-60.16	-13	-47.16	H
3.274	-70.26	Pk	33	-29.2	9.1	-57.36	-13	-44.36	V
3.275	-71.37	Pk	33	-29.2	9.9	-57.67	-13	-44.67	H

Pk - Peak detector

9.1.10. LTE BAND 30

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	50822
Configuration:	EUT
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									
4.613	-72.72	Pk	34.1	-28.2	9.5	-57.32	-40	-17.32	H
4.619	-72.04	Pk	34.1	-28.2	9.5	-56.64	-40	-16.64	V
8.496	-75.77	Pk	36.1	-22.8	8.6	-53.87	-40	-13.87	H
8.500	-75.14	Pk	36.1	-22.9	8.5	-53.44	-40	-13.44	V
6.927	-73.39	Pk	35.8	-25.8	6.8	-56.59	-40	-16.59	H
6.932	-74.74	Pk	35.8	-25.7	6.7	-57.94	-40	-17.94	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
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									
4.619	-72.02	Pk	34.1	-28.2	9.5	-56.62	-40	-16.62	H
4.622	-72.73	Pk	34.1	-28.2	9.5	-57.33	-40	-17.33	V
6.928	-73.93	Pk	35.8	-25.8	6.9	-57.03	-40	-17.03	H
6.934	-73.14	Pk	35.8	-25.7	6.6	-56.44	-40	-16.44	V
8.500	-75.48	Pk	36.1	-22.9	8.6	-53.68	-40	-13.68	H
8.500	-75.33	Pk	36.1	-22.9	8.5	-53.63	-40	-13.63	V

Pk - Peak detector

9.1.12. LTE BAND 41

Company:	
Project #:	12696946
Date:	2/22/2019
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									
5.014	-73.28	Pk	34.6	-27.3	8.8	-57.18	-25	-32.18	V
5.016	-73.5	Pk	34.6	-27.3	8.6	-57.6	-25	-32.6	H
7.519	-75.44	Pk	36.2	-24.8	7.5	-56.54	-25	-31.54	H
7.519	-74.02	Pk	36.2	-24.8	7.5	-55.12	-25	-30.12	V
10.024	-77.59	Pk	37.5	-20.9	8.2	-52.79	-25	-27.79	H
10.026	-76.31	Pk	37.5	-20.9	8.2	-51.51	-25	-26.51	V
Mid Channel, 2593MHz									
5.183	-72.18	Pk	34.7	-27.6	9	-56.08	-25	-31.08	H
5.183	-72.18	Pk	34.7	-27.6	9	-56.08	-25	-31.08	H
7.183	-74.31	Pk	35.9	-24.7	7.6	-55.51	-25	-30.51	V
7.185	-73.4	Pk	35.9	-24.7	7.6	-54.6	-25	-29.6	H
10.373	-76.61	Pk	37.8	-20.3	7.8	-51.31	-25	-26.31	H
10.375	-77.43	Pk	37.8	-20.3	7.9	-52.03	-25	-27.03	V
High Channel, 2680MHz									
10.715	-76.36	Pk	37.8	-20.4	7.9	-51.06	-25	-26.06	H
10.717	-77.11	Pk	37.8	-20.3	7.8	-51.81	-25	-26.81	V
5.358	-73.26	Pk	35	-27.7	8.8	-57.16	-25	-32.16	H
5.362	-72.57	Pk	35.1	-27.7	8.8	-56.37	-25	-31.37	V
8.042	-74.58	Pk	36.4	-23.7	8.1	-53.78	-25	-28.78	H
8.042	-75.38	Pk	36.4	-23.7	8.1	-54.58	-25	-29.58	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
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									
5.007	-73.58	Pk	34.6	-27.1	9.4	-56.68	-25	-31.68	H
5.014	-72.08	Pk	34.6	-27.3	8.8	-55.98	-25	-30.98	V
7.526	-74	Pk	36.2	-24.8	7.4	-55.2	-25	-30.20	H
7.526	-74.9	Pk	36.2	-24.8	7.3	-56.2	-25	-31.20	V
10.200	-76.73	Pk	37.8	-20.5	6.9	-52.53	-25	-27.53	H
10.200	-76.73	Pk	37.8	-20.5	6.9	-52.53	-25	-27.53	H
Mid Channel, 2593MHz									
10.726	-77.19	Pk	37.9	-20.2	7.9	-51.59	-25	-26.59	H
10.717	-75.86	Pk	37.8	-20.3	7.8	-50.56	-25	-25.56	V
5.184	-72.94	Pk	34.7	-27.6	9	-56.84	-25	-31.84	H
5.190	-71.75	Pk	34.7	-27.6	8.6	-56.05	-25	-31.05	V
7.773	-73.97	Pk	36.4	-24.4	7.9	-54.07	-25	-29.07	H
7.777	-73.77	Pk	36.4	-24.3	7.9	-53.77	-25	-28.77	V
High Channel, 2680MHz									
10.719	-77.39	Pk	37.8	-20.3	7.8	-52.09	-25	-27.09	V
10.72	-75.53	Pk	37.8	-20.2	7.8	-50.13	-25	-25.13	H
5.356	-72.21	Pk	35	-27.6	8.5	-56.31	-25	-31.31	H
5.361	-72.99	Pk	35.1	-27.7	8.8	-56.79	-25	-31.79	V
8.036	-75.41	Pk	36.4	-23.7	8.2	-54.51	-25	-29.51	H
8.040	-74.74	Pk	36.4	-23.7	8.1	-53.94	-25	-28.94	V

Pk - Peak detector

9.1.13. LTE BAND 66

Company:	
Project #:	12696946
Date:	2/22/2019
Test Engineer:	50822
Configuration:	EUT Only
1Mode:	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									
3.437	-71.3	Pk	32.8	-29	8.8	-58.7	-13	-45.7	H
3.438	-71.72	Pk	32.9	-29	8.9	-58.92	-13	-45.92	V
5.159	-71.77	Pk	34.6	-27.3	9.2	-55.27	-13	-42.27	H
5.162	-72.02	Pk	34.6	-27.4	9.4	-55.42	-13	-42.42	V
6.884	-73.15	Pk	35.8	-25.9	6.6	-56.65	-13	-43.65	H
6.885	-73.78	Pk	35.8	-25.9	6.8	-57.08	-13	-44.08	V
Mid Channel, 1745MHz									
3.493	-71.9	Pk	32.9	-28.8	9.5	-58.3	-13	-45.3	H
3.493	-71.77	Pk	32.9	-28.8	9.6	-58.07	-13	-45.07	V
5.235	-72.39	Pk	34.8	-27.4	9.1	-55.89	-13	-42.89	H
5.24	-73.12	Pk	34.8	-27.4	8.5	-57.22	-13	-44.22	V
6.982	-74.95	Pk	35.9	-25.4	6.9	-57.55	-13	-44.55	V
6.986	-74.13	Pk	35.9	-25.4	6.7	-56.93	-13	-43.93	H
High Channel, 1770MHz									
3.537	-72.51	Pk	33	-28.5	9.5	-58.51	-13	-45.51	H
3.538	-72.81	Pk	33.1	-28.5	9.4	-58.81	-13	-45.81	H
5.283	-65.93	Pk	34.9	-26.9	8.1	-49.83	-13	-36.83	H
5.306	-73.1	Pk	34.9	-27.3	8.4	-57.1	-13	-44.1	V
7.08	-72.82	Pk	36	-25.1	7.3	-54.62	-13	-41.62	H
7.082	-73.61	Pk	36	-25.1	7.4	-55.31	-13	-42.31	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/22/2019
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, 1720MHz									
5.133	-67.52	Pk	34.6	-27.3	8.3	-51.92	-13	-38.92	H
5.149	-73.5	Pk	34.6	-27.5	9.1	-57.3	-13	-44.3	V
3.486	-71.33	Pk	32.9	-28.7	9.5	-57.63	-13	-44.63	V
3.489	-71.73	Pk	32.9	-28.7	9.5	-58.03	-13	-45.03	H
6.875	-73.87	Pk	35.8	-25.9	6.6	-57.37	-13	-44.37	H
6.88	-72.38	Pk	35.8	-25.9	6.8	-55.68	-13	-42.68	V
Mid Channel, 1745MHz									
3.493	-72.27	Pk	32.9	-28.8	9.5	-58.67	-13	-45.67	H
3.493	-71.14	Pk	32.9	-28.8	9.6	-57.44	-13	-44.44	V
5.208	-67.71	Pk	34.7	-27.5	9.3	-51.21	-13	-38.21	H
5.222	-70.32	Pk	34.7	-27.3	8.9	-54.02	-13	-41.02	V
6.982	-74.12	Pk	35.9	-25.4	6.9	-56.72	-13	-43.72	V
6.988	-73.95	Pk	35.9	-25.4	6.7	-56.75	-13	-43.75	H
3.538	-72.69	Pk	33.1	-28.5	9.4	-58.69	-13	-45.69	V
High Channel, 1770MHz									
3.539	-73.29	Pk	33.1	-28.5	9.4	-59.29	-13	-46.29	H
5.283	-67.11	Pk	34.9	-26.9	8.2	-50.91	-13	-37.91	H
5.303	-72.84	Pk	34.9	-27.3	8.2	-57.04	-13	-44.04	H
7.082	-74.2	Pk	36	-25.1	7.4	-55.9	-13	-42.9	V
7.083	-74.23	Pk	36	-25.1	7.4	-55.93	-13	-42.93	H

Pk - Peak detector

9.1.14. LTE BAND 71

Company:	
Project #:	12696946
Date:	2/23/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 71 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, 673MHz									
1.353	-70.39	Pk	28.5	-32.6	10.1	-64.39	-13	-51.39	H
2.687	-72.11	Pk	32.3	-30	8.7	-61.11	-13	-48.11	H
1.351	-71.06	Pk	28.5	-32.5	9.2	-65.86	-13	-52.86	V
2.687	-71.25	Pk	32.3	-30	9.9	-59.05	-13	-46.05	V
2.014	-71.26	Pk	30.9	-30.9	9.1	-62.16	-13	-49.16	H
2.018	-72.3	Pk	30.9	-30.8	9.3	-62.9	-13	-49.9	V
Mid Channel, 680.5MHz									
1.353	-69.56	Pk	28.5	-32.6	10.1	-63.56	-13	-50.56	H
1.353	-70.25	Pk	28.5	-32.6	9.1	-65.25	-13	-52.25	V
2.722	-71.95	Pk	32.3	-30.1	9.9	-59.85	-13	-46.85	H
2.722	-70.31	Pk	32.3	-30	9.8	-58.21	-13	-45.21	V
2.04	-71.22	Pk	31	-30.7	9.6	-61.32	-13	-48.32	H
2.042	-70.14	Pk	31	-30.8	10.9	-59.04	-13	-46.04	V
1.379	-69.04	Pk	28.5	-32.4	6.3	-66.64	-13	-53.64	V
High Channel, 688MHz									
1.381	-69.01	Pk	28.5	-32.3	7.8	-65.01	-13	-52.01	H
2.741	-70.03	Pk	32.3	-29.9	9.1	-58.53	-13	-45.53	H
2.741	-70.79	Pk	32.3	-29.9	8.8	-59.59	-13	-46.59	V
2.057	-71.64	Pk	31	-30.8	9.9	-61.54	-13	-48.54	H
2.064	-72.17	Pk	31	-30.8	9.5	-62.47	-13	-49.47	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/23/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 71 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, 673MHz									
1.352	-70.22	Pk	28.5	-32.6	9.1	-65.22	-13	-52.22	V
1.353	-69.96	Pk	28.5	-32.6	10.1	-63.96	-13	-50.96	H
2.68	-72.05	Pk	32.3	-30	9.3	-60.45	-13	-47.45	H
2.688	-70.76	Pk	32.3	-30	9.9	-58.56	-13	-45.56	V
2.019	-71.27	Pk	30.9	-30.8	9	-62.17	-13	-49.17	H
2.021	-71.27	Pk	30.9	-30.8	9.2	-61.97	-13	-48.97	V
1.353	-71.49	Pk	28.5	-32.6	9.1	-66.49	-13	-53.49	V
Mid Channel, 680.5MHz									
1.364	-70.09	Pk	28.5	-32.6	8.8	-65.39	-13	-52.39	H
2.72	-72.13	Pk	32.3	-30.1	9.9	-60.03	-13	-47.03	H
2.723	-71.49	Pk	32.3	-30	9.8	-59.39	-13	-46.39	V
2.038	-72.19	Pk	31	-30.6	9.5	-62.29	-13	-49.29	H
2.039	-70.63	Pk	31	-30.7	10.6	-59.73	-13	-46.73	V
High Channel, 688MHz									
1.381	-69.58	Pk	28.5	-32.3	7.8	-65.58	-13	-52.58	H
1.381	-69.8	Pk	28.5	-32.3	6.7	-66.9	-13	-53.9	V
2.746	-71.4	Pk	32.3	-30	9	-60.1	-13	-47.1	H
2.748	-71.23	Pk	32.3	-30	8.4	-60.53	-13	-47.53	V
2.057	-71.83	Pk	31	-30.8	9.9	-61.73	-13	-48.73	H
2.058	-71.6	Pk	31	-30.8	10.2	-61.2	-13	-48.2	V

Pk - Peak detector

9.2. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 2

9.2.1. LTE BAND 2

Company:	
Project #:	12696946
Date:	2/25/2019
Test Engineer:	10641
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									
3.723	-67.45	Pk	33.3	-28.4	10.1	-52.45	-13	-39.45	H
7.458	-70.4	Pk	36.1	-24.9	7.3	-51.9	-13	-38.9	H
3.716	-67.82	Pk	33.3	-28.5	9.6	-53.42	-13	-40.42	V
7.46	-70.68	Pk	36.1	-24.9	7.5	-51.98	-13	-38.98	V
5.579	-68.72	Pk	35.5	-26.8	8.2	-51.82	-13	-38.82	H
5.581	-69.5	Pk	35.5	-26.7	8.3	-52.4	-13	-39.4	V
Mid Channel, 1880MHz									
3.762	-68.89	Pk	33.3	-28.6	9.3	-54.89	-13	-41.89	H
7.516	-70.1	Pk	36.2	-24.7	7.6	-51	-13	-38	H
3.756	-67.22	Pk	33.3	-28.6	9.6	-52.92	-13	-39.92	V
7.517	-69.23	Pk	36.2	-24.7	7.5	-50.23	-13	-37.23	V
5.637	-69.03	Pk	35.5	-26.8	8.4	-51.93	-13	-38.93	H
5.641	-70.23	Pk	35.5	-26.7	8	-53.43	-13	-40.43	V
High Channel, 1900MHz									
3.797	-69.01	Pk	33.4	-28.8	9.9	-54.51	-13	-41.51	H
7.6	-70.85	Pk	36.4	-24.7	7.6	-51.55	-13	-38.55	H
3.804	-68.21	Pk	33.4	-28.7	9.4	-54.11	-13	-41.11	V
7.598	-70.72	Pk	36.4	-24.7	7.3	-51.72	-13	-38.72	V
5.696	-69.3	Pk	35.5	-26.7	7.7	-52.8	-13	-39.8	H
5.698	-68.46	Pk	35.5	-26.7	7.6	-52.06	-13	-39.06	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/25/2019
Test Engineer:	10641
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)	LTE	PK Margin (dB)	Polarity
Low Channel, 1860MHz									
3.718	-68.9	Pk	33.3	-28.5	9.8	-54.3	-13	-41.3	H
7.461	-71.03	Pk	36.1	-24.9	7.4	-52.43	-13	-39.43	H
3.723	-68.62	Pk	33.3	-28.5	10	-53.82	-13	-40.82	V
7.458	-70.15	Pk	36.1	-24.8	7.4	-51.45	-13	-38.45	V
5.58	-68.54	Pk	35.5	-26.7	8.3	-51.44	-13	-38.44	V
5.584	-68.95	Pk	35.5	-26.8	8.1	-52.15	-13	-39.15	H
Mid Channel, 1880MHz									
3.756	-68.64	Pk	33.3	-28.6	9.3	-54.64	-13	-41.64	H
7.525	-70.86	Pk	36.2	-24.8	7.4	-52.06	-13	-39.06	H
3.763	-68.58	Pk	33.3	-28.6	9.7	-54.18	-13	-41.18	V
7.52	-70.37	Pk	36.2	-24.8	7.4	-51.57	-13	-38.57	V
5.642	-69.23	Pk	35.5	-26.7	8.1	-52.33	-13	-39.33	H
5.644	-69.49	Pk	35.5	-26.7	7.8	-52.89	-13	-39.89	V
High Channel, 1900MHz									
3.796	-68.03	Pk	33.4	-28.7	10	-53.33	-13	-40.33	H
7.599	-71.78	Pk	36.4	-24.7	7.5	-52.58	-13	-39.58	H
3.798	-68.18	Pk	33.4	-28.8	9.4	-54.18	-13	-41.18	V
7.598	-71.48	Pk	36.4	-24.7	7.3	-52.48	-13	-39.48	V
5.702	-69.33	Pk	35.5	-26.6	7.8	-52.63	-13	-39.63	H
5.703	-68.83	Pk	35.5	-26.5	7.5	-52.33	-13	-39.33	V

Pk - Peak detector

9.2.2. LTE BAND 5

Company:	
Project #:	12696946
Date:	3/6//2019
Test Engineer:	10641
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)	NONE	Margin (dB)	Polarity
Low Channel, 829MHz									
1.656	-64.94	Pk	28.7	-32.8	9.6	-59.44	-13	-46.44	V
1.658	-65.91	Pk	28.8	-32.7	10.6	-59.21	-13	-46.21	H
2.477	-55.72	Pk	32.6	-31.5	8.8	-45.82	-13	-32.82	H
2.478	-62.39	Pk	32.6	-31.5	8.8	-52.49	-13	-39.49	V
3.315	-67.54	Pk	32.9	-30.3	9.5	-55.44	-13	-42.44	H
3.321	-67.96	Pk	32.9	-30.3	9.2	-56.16	-13	-43.16	V
Mid Channel, 836.5MHz									
* 1.673	-72.38	Pk	29.1	-31.8	10.6	-64.48	-13	-51.48	H
* 1.673	-72.8	Pk	29.1	-31.8	9	-66.5	-13	-53.5	V
* 3.502	-72.43	Pk	32.9	-28.8	9.7	-58.63	-13	-45.63	V
2.509	-70.45	Pk	32.7	-30.5	9.1	-59.15	-13	-46.15	H
2.511	-70.29	Pk	32.7	-30.5	9.4	-58.69	-13	-45.69	V
3.5	-72.65	Pk	32.9	-28.9	9.5	-59.15	-13	-46.15	H
High Channel, 844MHz									
1.696	-65.79	Pk	29.5	-32.7	10.3	-58.69	-13	-45.69	H
1.696	-65.88	Pk	29.5	-32.7	9.6	-59.48	-13	-46.48	V
2.519	-55.03	Pk	32.7	-31.5	9.1	-44.73	-13	-31.73	H
2.519	-59.86	Pk	32.7	-31.5	9.3	-49.36	-13	-36.36	V
3.375	-67.8	Pk	32.8	-30.4	9.4	-56	-13	-43	V
3.376	-67.74	Pk	32.8	-30.4	9.1	-56.24	-13	-43.24	H

Pk - Peak detector

Company:	
Project #:	12696946
Date:	3/6/2019
Test Engineer:	10641
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)	NONE	Margin (dB)	Polarity
Low Channel, 829MHz									
1.664	-65.76	Pk	28.9	-32.8	10.2	-59.46	-13	-46.46	H
1.665	-65.4	Pk	28.9	-32.8	8.5	-60.8	-13	-47.8	V
2.474	-53.51	Pk	32.6	-31.5	8.9	-43.51	-13	-30.51	H
2.474	-57.78	Pk	32.6	-31.5	9	-47.68	-13	-34.68	V
3.318	-67.3	Pk	32.9	-30.4	9.5	-55.3	-13	-42.3	V
3.32	-67.38	Pk	32.9	-30.3	9.2	-55.58	-13	-42.58	H
Mid Channel, 836.5MHz									
* 1.668	-73.21	Pk	29	-31.8	10.5	-65.51	-13	-52.51	H
* 1.675	-72.79	Pk	29.1	-31.7	10.5	-64.89	-13	-51.89	H
* 3.506	-72.19	Pk	32.9	-28.8	9.8	-58.29	-13	-45.29	V
2.508	-72.34	Pk	32.7	-30.5	9.1	-61.04	-13	-48.04	H
2.508	-71.8	Pk	32.7	-30.5	9.3	-60.3	-13	-47.3	V
3.495	-72.9	Pk	32.9	-28.9	9.5	-59.4	-13	-46.4	H
High Channel, 844MHz									
1.685	-66.06	Pk	29.3	-32.8	10.9	-58.66	-13	-45.66	H
1.694	-66.21	Pk	29.5	-32.6	9.7	-59.61	-13	-46.61	V
2.519	-52.54	Pk	32.7	-31.5	9.1	-42.24	-13	-29.24	H
2.519	-56.48	Pk	32.7	-31.5	9.3	-45.98	-13	-32.98	V
3.382	-67.74	Pk	32.8	-30.4	8.8	-56.54	-13	-43.54	V
3.383	-67.13	Pk	32.8	-30.4	8.5	-56.23	-13	-43.23	H

Pk - Peak detector

9.2.3. LTE BAND 7

Company:	
Project #:	12696946
Date:	2/25/2019
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	PK Margin (dB)	Polarity
Low Channel, 2510MHz									
5.024	-70.97	Pk	34.6	-27.1	8.5	-54.97	-25	-29.97	H
5.024	-69.23	Pk	34.6	-27.1	8.8	-52.93	-25	-27.93	V
7.527	-71.01	Pk	36.2	-24.8	7.3	-52.31	-25	-27.31	V
7.53	-70.47	Pk	36.2	-24.8	7.5	-51.57	-25	-26.57	H
10.039	-72.47	Pk	37.5	-20.9	8	-47.87	-25	-22.87	H
10.043	-71.4	Pk	37.5	-20.9	7.9	-46.9	-25	-21.9	V
Mid Channel, 2535MHz									
5.024	-70.97	Pk	34.6	-27.1	8.5	-54.97	-25	-29.97	H
5.024	-69.23	Pk	34.6	-27.1	8.8	-52.93	-25	-27.93	V
7.527	-71.01	Pk	36.2	-24.8	7.3	-52.31	-25	-27.31	V
7.53	-70.47	Pk	36.2	-24.8	7.5	-51.57	-25	-26.57	H
10.039	-72.47	Pk	37.5	-20.9	8	-47.87	-25	-22.87	H
10.043	-71.4	Pk	37.5	-20.9	7.9	-46.9	-25	-21.9	V
High Channel, 2560MHz									
5.015	-73.38	Pk	34.6	-27.3	8.6	-57.48	-25	-32.48	H
5.017	-73.58	Pk	34.6	-27.2	8.7	-57.48	-25	-32.48	V
7.532	-74.78	Pk	36.2	-24.8	7.5	-55.88	-25	-30.88	H
7.533	-75.11	Pk	36.2	-24.8	7.3	-56.41	-25	-31.41	V
10.029	-76.26	Pk	37.5	-20.9	8.2	-51.46	-25	-26.46	H
10.033	-76.6	Pk	37.5	-20.8	8.1	-51.8	-25	-26.8	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/25/2019
Test Engineer:	50822
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	PK Margin (dB)	Polarity
Low Channel, 2510MHz									
5.023	-69.25	Pk	34.6	-27.1	8.5	-53.25	-25	-28.25	H
5.025	-70.42	Pk	34.6	-27.1	8.6	-54.32	-25	-29.32	V
7.527	-70.88	Pk	36.2	-24.8	7.3	-52.18	-25	-27.18	V
7.528	-71.12	Pk	36.2	-24.8	7.5	-52.22	-25	-27.22	H
10.04	-72.49	Pk	37.5	-20.9	7.9	-47.99	-25	-22.99	V
10.045	-72.06	Pk	37.5	-20.9	8	-47.46	-25	-22.46	H
Mid Channel, 2535MHz									
5.014	-73.47	Pk	34.6	-27.3	8.8	-57.37	-25	-32.37	V
5.015	-73.54	Pk	34.6	-27.3	8.6	-57.64	-25	-32.64	H
7.527	-74.18	Pk	36.2	-24.8	7.3	-55.48	-25	-30.48	V
7.528	-75.13	Pk	36.2	-24.8	7.5	-56.23	-25	-31.23	H
10.029	-75.63	Pk	37.5	-20.9	8.2	-50.83	-25	-25.83	H
10.036	-76.48	Pk	37.5	-20.8	8	-51.78	-25	-26.78	V
High Channel, 2560MHz									
5.015	-73.37	Pk	34.6	-27.3	8.6	-57.47	-25	-32.47	H
5.015	-73.61	Pk	34.6	-27.3	8.8	-57.51	-25	-32.51	V
7.529	-75.48	Pk	36.2	-24.8	7.3	-56.78	-25	-31.78	V
7.533	-74.7	Pk	36.2	-24.8	7.4	-55.9	-25	-30.9	H
10.397	-76.94	Pk	37.9	-20.2	7.3	-51.94	-25	-26.94	H
10.397	-74.79	Pk	37.9	-20.2	7.3	-49.79	-25	-24.79	V

Pk - Peak detector

9.2.4. LTE BAND 12

Company:	
Project #:	12696946
Date:	3/6/2019
Test Engineer:	10641
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)	LIMIT	Margin (dB)	Polarity
Low Channel, 704MHz									
1.407	-66.03	Pk	28.5	-33.2	9.8	-60.93	-13	-47.93	V
1.41	-65.28	Pk	28.4	-33.2	10.5	-59.58	-13	-46.58	H
2.099	-54.09	Pk	31.1	-32	10.5	-44.49	-13	-31.49	H
2.099	-54.89	Pk	31.1	-32	9.6	-46.19	-13	-33.19	V
2.818	-67.12	Pk	32.5	-30.9	9.6	-55.92	-13	-42.92	H
2.824	-66.88	Pk	32.5	-30.9	9.7	-55.58	-13	-42.58	V
Mid Channel, 707.5MHz									
1.42	-65.75	Pk	28.4	-33	9	-61.35	-13	-48.35	V
1.424	-65.37	Pk	28.3	-33	8.6	-61.47	-13	-48.47	H
2.109	-56.62	Pk	31.1	-31.9	10.3	-47.12	-13	-34.12	H
2.109	-54.57	Pk	31.1	-31.9	9.5	-45.87	-13	-32.87	V
2.826	-67.55	Pk	32.5	-30.9	9.7	-56.25	-13	-43.25	V
2.827	-67.04	Pk	32.5	-30.9	9.9	-55.54	-13	-42.54	H
High Channel, 711MHz									
1.418	-65.76	Pk	28.4	-33.1	9.2	-61.26	-13	-48.26	H
1.421	-65.33	Pk	28.3	-33	8.9	-61.13	-13	-48.13	V
2.12	-56.69	Pk	31.2	-31.8	10.4	-46.89	-13	-33.89	H
2.12	-58.89	Pk	31.2	-31.8	9.8	-49.69	-13	-36.69	V
2.842	-66.76	Pk	32.5	-30.7	9.2	-55.76	-13	-42.76	V
2.843	-67.37	Pk	32.5	-30.7	8.9	-56.67	-13	-43.67	H

Pk - Peak detector

Company:	
Project #:	12696946
Date:	3/6/2019
Test Engineer:	10641
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)	LIMIT	Margin (dB)	Polarity
Low Channel, 704MHz									
1.412	-68.57	Pk	28.4	-33.1	10.2	-63.07	-13	-50.07	H
1.414	-68.29	Pk	28.4	-33.1	9.1	-63.89	-13	-50.89	V
2.099	-59.51	Pk	31.1	-32	10.5	-49.91	-13	-36.91	H
2.099	-56.32	Pk	31.1	-32	9.7	-47.52	-13	-34.52	V
2.822	-71.41	Pk	32.5	-30.9	9.5	-60.31	-13	-47.31	V
2.825	-70.91	Pk	32.5	-30.9	10	-59.31	-13	-46.31	H
Mid Channel, 707.5MHz									
1.419	-69.22	Pk	28.4	-33.1	9	-64.92	-13	-51.92	V
1.424	-69.16	Pk	28.3	-33	8.4	-65.46	-13	-52.46	H
2.109	-59.12	Pk	31.1	-31.9	10.3	-49.62	-13	-36.62	H
2.109	-58.71	Pk	31.1	-31.9	9.5	-50.01	-13	-37.01	V
2.83	-71.35	Pk	32.5	-30.9	9.7	-60.05	-13	-47.05	H
2.831	-71.39	Pk	32.5	-30.9	9.4	-60.39	-13	-47.39	V
High Channel, 711MHz									
1.418	-69.61	Pk	28.4	-33.1	9.3	-65.01	-13	-52.01	H
1.423	-69.57	Pk	28.3	-33	8.8	-65.47	-13	-52.47	V
2.12	-57.04	Pk	31.2	-31.8	10.4	-47.24	-13	-34.24	H
2.12	-61.7	Pk	31.2	-31.8	9.9	-52.4	-13	-39.4	V
2.841	-70.82	Pk	32.5	-30.7	9.2	-59.82	-13	-46.82	H
2.843	-71.9	Pk	32.5	-30.7	9.2	-60.9	-13	-47.9	V

Pk - Peak detector

9.2.5. LTE BAND 13

Company:	
Project #:	12696946
Date:	2/25/2019
Test Engineer:	10641
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									
1.559	-73.18	Pk	27.7	-31.9	8.6	-68.78	-40	-28.78	H
1.563	-72.72	Pk	27.7	-32	10.1	-66.92	-40	-26.92	V
2.348	-71.3	Pk	32.2	-30.6	9.5	-60.2	-13	-47.2	V
2.35	-72.47	Pk	32.2	-30.6	10.3	-60.57	-13	-47.57	H
3.124	-73.12	Pk	33.2	-29.4	9.5	-59.82	-13	-46.82	H
3.125	-74.68	Pk	33.2	-29.4	9.9	-60.98	-13	-47.98	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/25/2019
Test Engineer:	10641
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									
1.557	-71.75	Pk	27.7	-32	8.6	-67.45	-40	-27.45	H
1.562	-72.66	Pk	27.7	-32	10	-66.96	-40	-26.96	V
2.352	-71.85	Pk	32.2	-30.6	10.5	-59.75	-13	-46.75	H
2.353	-71.83	Pk	32.2	-30.6	9.9	-60.33	-13	-47.33	V
3.124	-74.62	Pk	33.2	-29.3	9.5	-61.22	-13	-48.22	H
3.124	-72.38	Pk	33.2	-29.4	9.9	-58.68	-13	-45.68	V

Pk - Peak detector

9.2.6. LTE BAND 14

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	10641
Configuration:	EUT Only
Mode:	LTE 14 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, 793MHz									
1.589	-71.65	Pk	27.7	-32	9.5	-66.45	-40	-26.45	H
1.589	-72.22	Pk	27.7	-32	10.3	-66.22	-40	-26.22	V
2.378	-73.99	Pk	32.3	-30.5	9.8	-62.39	-13	-49.39	H
2.379	-73.03	Pk	32.3	-30.5	9.5	-61.73	-13	-48.73	V
3.168	-73.29	Pk	33.1	-29.1	9.4	-59.89	-13	-46.89	H
3.171	-72.6	Pk	33.1	-29.1	9.8	-58.8	-13	-45.8	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	10641
Configuration:	EUT Only
Mode:	LTE 14 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, 793MHz									
1.587	-71.29	Pk	27.7	-32	10.1	-65.49	-40	-25.49	V
1.59	-72.45	Pk	27.7	-32	9.6	-67.15	-40	-27.15	H
2.376	-73.16	Pk	32.3	-30.5	9.9	-61.46	-13	-48.46	H
2.376	-73.38	Pk	32.3	-30.5	9.6	-61.98	-13	-48.98	V
3.172	-73.46	Pk	33.1	-29.1	9.7	-59.76	-13	-46.76	H
3.172	-73.46	Pk	33.1	-29.1	9.7	-59.76	-13	-46.76	H

Pk - Peak detector

9.2.7. LTE BAND 17

Company:	
Project #:	12696946
Date:	3/5/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 17 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, 793MHz									
1.361	-66.65	Pk	28.5	-32.4	9.3	-61.25	-13	-48.25	H
1.408	-66.7	Pk	28.4	-32.4	9.8	-60.9	-13	-47.9	V
2.121	-67.51	Pk	31.2	-30.8	10.3	-56.81	-13	-43.81	H
2.122	-67.42	Pk	31.2	-30.9	10.1	-57.02	-13	-44.02	V
3.087	-67.65	Pk	33.2	-29.7	9.7	-54.45	-13	-41.45	H
3.16	-68.33	Pk	33.1	-29.2	10.1	-54.33	-13	-41.33	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	8/5/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 17 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, 793MHz									
1.404	-67.21	Pk	28.5	-32.4	10.2	-60.91	-13	-47.91	H
1.456	-67.07	Pk	28.1	-32.1	10.1	-60.97	-13	-47.97	V
2.133	-67.7	Pk	31.2	-30.8	11.4	-55.9	-13	-42.9	H
2.22	-67.19	Pk	31.6	-30.8	9.6	-56.79	-13	-43.79	V
2.985	-68.11	Pk	32.7	-29.3	9.7	-55.01	-13	-42.01	V
2.991	-67.54	Pk	32.7	-29.3	10.2	-53.94	-13	-40.94	H

Pk - Peak detector

9.2.8. LTE BAND 25

Company:	
Project #:	12696946
Date:	2/23/2019
Test Engineer:	12501
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									
3.713	-70.87	Pk	33.3	-28.6	9.8	-56.37	-13	-43.37	H
7.438	-75.02	Pk	36.1	-24.9	7	-56.82	-13	-43.82	H
3.712	-70.26	Pk	33.3	-28.6	9.8	-55.76	-13	-42.76	V
7.442	-75.08	Pk	36.1	-24.8	6.9	-56.88	-13	-43.88	V
5.562	-73.05	Pk	35.4	-27	9.1	-55.55	-13	-42.55	H
5.572	-73.59	Pk	35.5	-27.1	8.4	-56.79	-13	-43.79	V
Mid Channel, 1882.5MHz									
3.755	-68.39	Pk	33.3	-28.6	9.4	-54.29	-13	-41.29	H
7.506	-72.34	Pk	36.1	-24.7	7.9	-53.04	-13	-40.04	H
3.752	-72.12	Pk	33.3	-28.5	9.8	-57.52	-13	-44.52	V
7.515	-72.63	Pk	36.2	-24.7	7.6	-53.53	-13	-40.53	V
5.621	-69.6	Pk	35.5	-26.9	8.6	-52.4	-13	-39.4	H
5.621	-68.06	Pk	35.5	-26.9	8.7	-50.76	-13	-37.76	V

High Channel, 1905MHz									
3.807	-71.41	Pk	33.4	-28.8	9.3	-57.51	-13	-44.51	H
7.607	-74.34	Pk	36.4	-24.7	7.6	-55.04	-13	-42.04	H
3.806	-71.79	Pk	33.4	-28.7	9.2	-57.89	-13	-44.89	V
7.622	-73.76	Pk	36.4	-24.6	7.4	-54.56	-13	-41.56	V
5.688	-70.3	Pk	35.5	-26.5	8.1	-53.2	-13	-40.2	H
5.688	-71.49	Pk	35.5	-26.5	7.9	-54.59	-13	-41.59	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	10641
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, 1860.0MHz									
3.716	-71.28	Pk	33.3	-28.5	9.8	-56.68	-13	-43.68	H
7.47	-74.07	Pk	36.1	-24.9	7.4	-55.47	-13	-42.47	H
3.726	-72.36	Pk	33.3	-28.3	10	-57.36	-13	-44.36	V
7.437	-74.24	Pk	36.1	-24.9	7	-56.04	-13	-43.04	V
5.571	-73.34	Pk	35.5	-27	8.4	-56.44	-13	-43.44	H
5.58	-72.76	Pk	35.5	-26.7	8.3	-55.66	-13	-42.66	V
Mid Channel, 1882.5MHz									
3.757	-71.65	Pk	33.3	-28.6	9.3	-57.65	-13	-44.65	H
7.519	-75.33	Pk	36.2	-24.8	7.5	-56.43	-13	-43.43	H
3.749	-70.46	Pk	33.3	-28.5	9.8	-55.86	-13	-42.86	V
7.52	-74.99	Pk	36.2	-24.8	7.4	-56.19	-13	-43.19	V
5.621	-69.74	Pk	35.5	-26.9	8.7	-52.44	-13	-39.44	V
5.633	-73.76	Pk	35.5	-26.7	8.5	-56.46	-13	-43.46	H
High Channel, 1905MHz									

3.803	-71.87	Pk	33.4	-28.7	9.8	-57.37	-13	-44.37	H
7.617	-74.51	Pk	36.4	-24.6	7.6	-55.11	-13	-42.11	H
3.806	-72.2	Pk	33.4	-28.8	9.2	-58.4	-13	-45.4	V
7.617	-73.31	Pk	36.4	-24.6	7.4	-54.11	-13	-41.11	V
5.712	-73.64	Pk	35.5	-26.7	7.8	-57.04	-13	-44.04	V
5.714	-73.61	Pk	35.5	-26.7	7.9	-56.91	-13	-43.91	H

Pk - Peak detector

9.2.9. LTE BAND 26

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 26 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									
2.489	-70.98	Pk	32.6	-30.5	8.7	-60.18	-13	-47.18	H
2.493	-71.9	Pk	32.7	-30.5	8.7	-61	-13	-48	V
1.658	-73.76	Pk	28.8	-31.8	10.6	-66.16	-13	-53.16	H
1.66	-73.15	Pk	28.8	-31.8	9.1	-67.05	-13	-54.05	V
3.325	-73.92	Pk	32.9	-29.1	9.2	-60.92	-13	-47.92	V
3.326	-73.54	Pk	32.9	-29.1	9.1	-60.64	-13	-47.64	H

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	50822
Configuration:	EUT Only
Mode:	LTE 26 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									
1.587	-71.71	Pk	27.7	-32	9.3	-66.71	-13	-53.71	H
1.592	-71.98	Pk	27.7	-32	10.4	-65.88	-13	-52.88	V
2.380	-73.63	Pk	32.3	-30.5	9.4	-62.43	-13	-49.43	V
2.381	-73.55	Pk	32.3	-30.5	9.7	-62.05	-13	-49.05	H
3.169	-73.05	Pk	33.1	-29.1	9.8	-59.25	-13	-46.25	V
3.172	-72	Pk	33.1	-29.1	9.6	-58.4	-13	-45.4	H

Pk - Peak detector

9.2.10. LTE BAND 30

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	10641
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									
4.640	-73.01	Pk	34.1	-28.2	9.6	-57.51	-40	-17.51	H
4.639	-72.47	Pk	34.1	-28.2	9.5	-57.07	-40	-17.07	V
6.944	-74.48	Pk	35.8	-25.5	7	-57.18	-40	-17.18	V
6.947	-74.11	Pk	35.8	-25.5	6.8	-57.01	-40	-17.01	H
9.257	-76.42	Pk	36.8	-21.8	7.8	-53.62	-40	-13.62	V
9.258	-76.64	Pk	36.8	-21.8	7.8	-53.84	-40	-13.84	H

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	10641
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									
4.635	-72.97	Pk	34.1	-28.3	9.6	-57.57	-40	-17.57	H
4.638	-72.93	Pk	34.1	-28.2	9.5	-57.53	-40	-17.53	V
6.944	-73.61	Pk	35.8	-25.5	6.8	-56.51	-40	-16.51	H
6.947	-74.42	Pk	35.8	-25.5	6.9	-57.22	-40	-17.22	V
9.256	-76.37	Pk	36.8	-21.8	7.9	-53.47	-40	-13.47	V
9.257	-74.94	Pk	36.8	-21.8	7.8	-52.14	-40	-12.14	H

Pk - Peak detector

9.2.11. LTE BAND 41

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	10641
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									
5.015	-73.13	Pk	34.6	-27.3	8.6	-57.23	-25	-32.23	H
7.517	-74.86	Pk	36.2	-24.8	7.5	-55.96	-25	-30.96	H
5.012	-73.64	Pk	34.6	-27.2	8.9	-57.34	-25	-32.34	V
7.517	-73.47	Pk	36.2	-24.7	7.5	-54.47	-25	-29.47	V
10.025	-77.32	Pk	37.5	-20.9	8.1	-52.62	-25	-27.62	V
10.026	-76.89	Pk	37.5	-20.9	8.2	-52.09	-25	-27.09	H
Mid Channel, 2593MHz									
5.181	-73.36	Pk	34.7	-27.5	8.6	-57.56	-25	-32.56	V
5.184	-73.34	Pk	34.7	-27.6	9	-57.24	-25	-32.24	H
7.782	-74.35	Pk	36.4	-24.3	7.6	-54.65	-25	-29.65	H
7.782	-75.81	Pk	36.4	-24.3	7.8	-55.91	-25	-30.91	V
10.371	-76.39	Pk	37.8	-20.3	7.9	-50.99	-25	-25.99	H
10.373	-76.91	Pk	37.8	-20.3	7.9	-51.51	-25	-26.51	V
High Channel, 2680MHz									
5.361	-72.67	Pk	35.1	-27.7	8.8	-56.47	-25	-31.47	H
8.038	-74.98	Pk	36.4	-23.7	8.2	-54.08	-25	-29.08	H
10.72	-76.99	Pk	37.8	-20.2	7.8	-51.59	-25	-26.59	H
5.36	-73.54	Pk	35.1	-27.7	8.8	-57.34	-25	-32.34	V
8.04	-75.43	Pk	36.4	-23.7	8.1	-54.63	-25	-29.63	V
10.721	-76.88	Pk	37.8	-20.2	7.8	-51.48	-25	-26.48	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/26/2019
Test Engineer:	10641
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									
5.015	-73.66	Pk	34.6	-27.3	8.6	-57.76	-25	-32.76	H
7.52	-74.94	Pk	36.2	-24.8	7.5	-56.04	-25	-31.04	H
5.014	-74.07	Pk	34.6	-27.3	8.8	-57.97	-25	-32.97	V
7.516	-74.65	Pk	36.2	-24.7	7.5	-55.65	-25	-30.65	V
10.028	-75.86	Pk	37.5	-20.9	8.2	-51.06	-25	-26.06	H
10.028	-76.47	Pk	37.5	-20.9	8.1	-51.77	-25	-26.77	V
Mid Channel, 2593MHz									
5.188	-71.7	Pk	34.7	-27.6	8.9	-55.7	-25	-30.7	H
5.189	-73.5	Pk	34.7	-27.6	8.6	-57.8	-25	-32.8	V
7.78	-75.45	Pk	36.4	-24.3	7.7	-55.65	-25	-30.65	H
7.784	-74.51	Pk	36.4	-24.3	7.8	-54.61	-25	-29.61	V
10.37	-76.6	Pk	37.8	-20.3	7.9	-51.2	-25	-26.2	H
10.37	-76.43	Pk	37.8	-20.3	7.9	-51.03	-25	-26.03	V
Low Channel, 2680MHz									
5.357	-72.13	Pk	35	-27.6	8.7	-56.03	-25	-31.03	H
8.045	-74.8	Pk	36.4	-23.8	8.1	-54.1	-25	-29.1	H
10.723	-76.68	Pk	37.8	-20.2	7.9	-51.18	-25	-26.18	H
5.357	-72.21	Pk	35	-27.6	8.6	-56.21	-25	-31.21	V
8.041	-75.48	Pk	36.4	-23.7	8.1	-54.68	-25	-29.68	V
10.727	-76.65	Pk	37.9	-20.2	7.9	-51.05	-25	-26.05	V

Pk - Peak detector

9.2.12. LTE BAND 66

Company:	
Project #:	12696946
Date:	2/25/2019
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	PK Margin (dB)	Polarity
Low Channel, 1720MHz									
3.438	-74.39	Pk	32.9	-29	8.9	-61.59	-13	-48.59	V
3.439	-75.51	Pk	32.9	-29	8.8	-62.81	-13	-49.81	H
5.156	-73.68	Pk	34.6	-27.3	9.2	-57.18	-13	-44.18	V
5.157	-73.66	Pk	34.6	-27.3	9.1	-57.26	-13	-44.26	H
6.868	-73.03	Pk	35.8	-25.9	6.4	-56.73	-13	-43.73	H
6.872	-73.24	Pk	35.8	-25.9	6.6	-56.74	-13	-43.74	V
Mid Channel, 1745MHz									
3.44	-75.28	Pk	32.9	-29	8.9	-62.48	-13	-49.48	V
3.442	-74.18	Pk	32.9	-29	8.9	-61.38	-13	-48.38	H
5.154	-72.48	Pk	34.6	-27.4	9.1	-56.18	-13	-43.18	H
5.161	-73.22	Pk	34.6	-27.4	9.4	-56.62	-13	-43.62	V
6.871	-74.19	Pk	35.8	-25.9	6.5	-57.79	-13	-44.79	H
6.872	-73.97	Pk	35.8	-25.9	6.6	-57.47	-13	-44.47	V
High Channel, 1770MHz									
3.537	-71.59	Pk	33	-28.5	9.4	-57.69	-13	-44.69	V
3.538	-70.81	Pk	33.1	-28.5	9.4	-56.81	-13	-43.81	H
5.302	-73.75	Pk	34.9	-27.3	8	-58.15	-13	-45.15	V
5.316	-72.57	Pk	35	-27.6	8.1	-57.07	-13	-44.07	H
7.075	-75.6	Pk	36	-25	7.1	-57.5	-13	-44.5	H
7.076	-75.36	Pk	36	-25	7.2	-57.16	-13	-44.16	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/25/2019
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	PK Margin (dB)	Polarity
Low Channel, 1720MHz									
3.434	-74.42	Pk	32.8	-29	8.9	-61.72	-13	-48.72	V
3.438	-74.67	Pk	32.9	-29	8.8	-61.97	-13	-48.97	H
5.157	-73.38	Pk	34.6	-27.3	9.1	-56.98	-13	-43.98	H
5.158	-73.79	Pk	34.6	-27.3	9.3	-57.19	-13	-44.19	V
6.868	-73.15	Pk	35.8	-25.9	6.4	-56.85	-13	-43.85	H
6.881	-73.57	Pk	35.8	-25.9	6.8	-56.87	-13	-43.87	V
Mid Channel, 1745MHz									
3.434	-73.56	Pk	32.8	-29	8.8	-60.96	-13	-47.96	H
3.439	-74.04	Pk	32.9	-29	8.9	-61.24	-13	-48.24	V
5.156	-72.2	Pk	34.6	-27.3	9.2	-55.7	-13	-42.7	V
5.158	-72.13	Pk	34.6	-27.3	9.1	-55.73	-13	-42.73	H
6.872	-73.88	Pk	35.8	-25.9	6.6	-57.38	-13	-44.38	V
6.873	-74.13	Pk	35.8	-25.9	6.6	-57.63	-13	-44.63	H
High Channel, 1770MHz									
3.537	-72.52	Pk	33	-28.5	9.4	-58.62	-13	-45.62	V
3.543	-71.54	Pk	33.1	-28.6	9.3	-57.74	-13	-44.74	H
5.304	-72.22	Pk	34.9	-27.2	8.1	-56.42	-13	-43.42	V
5.308	-74.32	Pk	34.9	-27.4	8.5	-58.32	-13	-45.32	H
7.079	-74.12	Pk	36	-25.1	7.2	-56.02	-13	-43.02	H
7.079	-74.12	Pk	36	-25.1	7.2	-56.02	-13	-43.02	H

Pk - Peak detector

9.2.13. LTE BAND 71

Company:	
Project #:	12696946
Date:	2/28/2019
Test Engineer:	10641
Configuration:	EUT Only
Mode:	LTE 71 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, 673.0MHz									
1.349	-71.33	Pk	28.5	-32.5	10.6	-64.73	-13	-51.73	H
1.35	-70.47	Pk	28.5	-32.5	9.3	-65.17	-13	-52.17	V
2.019	-72.06	Pk	30.9	-30.8	9.2	-62.76	-13	-49.76	V
2.022	-71.5	Pk	30.9	-30.7	9.1	-62.2	-13	-49.2	H
2.69	-72.26	Pk	32.3	-30	8.7	-61.26	-13	-48.26	H
2.693	-72.57	Pk	32.3	-30.1	9.5	-60.87	-13	-47.87	V
Mid Channel, 680.5MHz									
1.356	-73.27	Pk	28.5	-32.4	9	-68.17	-13	-55.17	V
1.361	-73.02	Pk	28.5	-32.4	9.3	-67.62	-13	-54.62	H
2.033	-73.9	Pk	31	-30.8	9.5	-64.2	-13	-51.2	H
2.034	-73.99	Pk	31	-30.7	10.5	-63.19	-13	-50.19	V
2.719	-74.17	Pk	32.3	-30.1	9.9	-62.07	-13	-49.07	H
2.722	-74.46	Pk	32.3	-30.1	9.9	-62.36	-13	-49.36	V
High Channel, 688.0MHz									
1.379	-71.2	Pk	28.5	-32.4	7.6	-67.5	-13	-54.5	H
1.38	-70.88	Pk	28.5	-32.3	6.5	-68.18	-13	-55.18	V
2.058	-72.14	Pk	31	-30.8	10.2	-61.74	-13	-48.74	V
2.062	-73.16	Pk	31	-30.8	9.5	-63.46	-13	-50.46	H
2.753	-71.89	Pk	32.3	-29.8	9.1	-60.29	-13	-47.29	H
2.753	-72.67	Pk	32.3	-29.8	8.4	-61.77	-13	-48.77	V

Pk - Peak detector

Company:	
Project #:	12696946
Date:	2/28/2019
Test Engineer:	10641
Configuration:	EUT Only
Mode:	LTE 71 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, 673.0MHz									
1.349	-70.71	Pk	28.5	-32.5	9.5	-65.21	-13	-52.21	V
1.351	-70.37	Pk	28.5	-32.6	10.3	-64.17	-13	-51.17	H
2.023	-72.45	Pk	30.9	-30.7	9.2	-63.05	-13	-50.05	H
2.025	-71.8	Pk	30.9	-30.7	9.5	-62.1	-13	-49.1	V
2.689	-72.07	Pk	32.3	-30	8.7	-61.07	-13	-48.07	H
2.692	-73.63	Pk	32.3	-30.1	9.6	-61.83	-13	-48.83	V
Mid Channel, 680.5MHz									
1.356	-70.35	Pk	28.5	-32.4	9	-65.25	-13	-52.25	V
1.359	-72.2	Pk	28.5	-32.3	9.7	-66.3	-13	-53.3	H
2.04	-73.82	Pk	31	-30.7	9.6	-63.92	-13	-50.92	H
2.042	-73.44	Pk	31	-30.8	10.9	-62.34	-13	-49.34	V
2.72	-72.4	Pk	32.3	-30.1	10	-60.2	-13	-47.2	V
2.723	-73.69	Pk	32.3	-30	9.9	-61.49	-13	-48.49	H
High Channel, 688.0MHz									
1.381	-71.48	Pk	28.5	-32.3	7.7	-67.58	-13	-54.58	H
1.383	-71.85	Pk	28.5	-32.4	7	-68.75	-13	-55.75	V
2.06	-71.5	Pk	31	-30.8	9.8	-61.5	-13	-48.5	V
2.061	-73.07	Pk	31	-30.8	9.5	-63.37	-13	-50.37	H
2.75	-72.3	Pk	32.3	-29.9	9	-60.9	-13	-47.9	H
2.753	-73.01	Pk	32.3	-29.8	8.4	-62.11	-13	-49.11	V

Pk - Peak detector

9.1. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 3

9.1.1. LTE BAND 48

Company:	
Project #:	12696945
Date:	6/20/2019
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									
7.114	-75.38	Pk	35.6	-22.7	7.1	-55.38	-40	-15.38	H
7.17	-75.23	Pk	35.6	-22.9	7.3	-55.23	-40	-15.23	V
10.659	-76.05	Pk	38	-18.6	7.5	-49.15	-40	-9.15	H
10.753	-76.99	Pk	38	-18.4	8.3	-49.09	-40	-9.09	V
14.224	-75.07	Pk	39	-20.3	9.2	-47.17	-40	-7.17	H
14.394	-75.46	Pk	39.5	-20.4	10.3	-46.06	-40	-6.06	V
Mid Channel, 3625MHz									
7.206	-74.17	Pk	35.5	-22.8	7.8	-53.67	-40	-13.67	V
7.246	-75.41	Pk	35.5	-22.6	7.5	-55.01	-40	-15.01	H
10.888	-77.81	Pk	38	-18.4	7.6	-50.61	-40	-10.61	H
10.905	-77.11	Pk	38	-18.3	7.5	-49.91	-40	-9.91	V
14.495	-75.53	Pk	39.6	-20.2	11.1	-45.03	-40	-5.03	H
14.597	-76.72	Pk	39.8	-20	10.3	-46.62	-40	-6.62	V
High Channel, 3690MHz									
7.356	-75.37	Pk	35.5	-22.6	7.7	-54.77	-40	-14.77	V
7.374	-75.97	Pk	35.5	-22.6	7.3	-55.77	-40	-15.77	H
11.055	-76.79	Pk	38	-18.6	8.3	-49.09	-40	-9.09	H
11.133	-76.86	Pk	38	-18.5	8.7	-48.66	-40	-8.66	V
14.748	-74.38	Pk	39.9	-20.1	8.8	-45.78	-40	-5.78	H
14.795	-74.43	Pk	39.9	-20.1	9.5	-45.13	-40	-5.13	V

Pk - Peak detector

Company:	
Project #:	12696945
Date:	6/20/2019
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									
7.107	-75.39	Pk	35.6	-22.8	6.8	-55.79	-40	-15.79	H
7.123	-75.19	Pk	35.7	-22.7	6.8	-55.39	-40	-15.39	V
10.666	-75.56	Pk	37.9	-18.6	7.6	-48.66	-40	-8.66	H
10.698	-77.05	Pk	38	-18.4	8.4	-49.05	-40	-9.05	V
14.197	-75.2	Pk	39	-20.4	9.1	-47.5	-40	-7.5	V
14.223	-75.33	Pk	39	-20.3	9.2	-47.43	-40	-7.43	H
Mid Channel, 3625MHz									
7.245	-75.9	Pk	35.5	-22.6	7.5	-55.5	-40	-15.5	H
7.298	-75.09	Pk	35.5	-22.4	7.5	-54.49	-40	-14.49	V
10.888	-76.94	Pk	38	-18.4	7.6	-49.74	-40	-9.74	H
10.92	-77.83	Pk	38	-18.4	8	-50.23	-40	-10.23	V
14.492	-75.67	Pk	39.6	-20.1	11.2	-44.97	-40	-4.97	H
14.573	-76.15	Pk	39.7	-20	10.3	-46.15	-40	-6.15	V
High Channel, 3690MHz									
7.377	-75.16	Pk	35.5	-22.7	7.4	-54.96	-40	-14.96	H
7.395	-74.95	Pk	35.4	-23	7.6	-54.95	-40	-14.95	V
11.052	-76.47	Pk	38	-18.6	8.3	-48.77	-40	-8.77	H
11.075	-76.08	Pk	38	-18.5	8.5	-48.08	-40	-8.08	V
14.747	-75.91	Pk	39.9	-20.1	8.9	-47.21	-40	-7.21	H
14.822	-74.88	Pk	39.9	-20.2	9.4	-45.78	-40	-5.78	V

Pk - Peak detector

9.2. FIELD STRENGTH OF SPURIOUS RADIATION, ANT 4

9.2.1. LTE BAND 48

Company:	
Project #:	12696945
Date:	6/20/2019
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									
7.108	-74.61	Pk	35.6	-22.8	6.8	-55.01	-40	-15.01	H
7.133	-74.61	Pk	35.6	-22.7	7.1	-54.61	-40	-14.61	V
10.625	-77.21	Pk	37.9	-18.6	7.8	-50.11	-40	-10.11	V
10.663	-76.48	Pk	38	-18.6	7.5	-49.58	-40	-9.58	H
14.225	-75.41	Pk	39.1	-20.3	9.2	-47.41	-40	-7.41	H
14.271	-75.88	Pk	39.2	-20.2	9.4	-47.48	-40	-7.48	V
Mid Channel, 3625MHz									
7.249	-75.24	Pk	35.5	-22.5	7.5	-54.74	-40	-14.74	H
7.251	-75.76	Pk	35.5	-22.5	7.6	-55.16	-40	-15.16	V
10.884	-76.52	Pk	38	-18.4	7.4	-49.52	-40	-9.52	H
10.982	-77.51	Pk	38	-18.4	8.1	-49.81	-40	-9.81	V
14.495	-75.91	Pk	39.6	-20.2	11.1	-45.41	-40	-5.41	H
14.572	-76.19	Pk	39.7	-20	10.3	-46.19	-40	-6.19	V
High Channel, 3690MHz									
7.355	-74.92	Pk	35.5	-22.6	7.7	-54.32	-40	-14.32	V
7.368	-75.93	Pk	35.5	-22.6	7.3	-55.73	-40	-15.73	H
11.05	-76.6	Pk	38	-18.6	8.3	-48.9	-40	-8.9	H
11.108	-77.42	Pk	38	-18.4	8.4	-49.42	-40	-9.42	V
14.772	-76.2	Pk	39.9	-20.1	9.3	-47.1	-40	-7.1	H
14.849	-75.51	Pk	39.8	-20.3	9.8	-46.21	-40	-6.21	V

Pk - Peak detector

Company:	
Project #:	12696945
Date:	6/20/2019
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									
7.082	-71.16	Pk	35.6	-22.9	7.4	-51.06	-40	-11.06	V
7.11	-71.77	Pk	35.6	-22.8	7	-51.97	-40	-11.97	H
10.609	-72.46	Pk	37.8	-18.6	8.2	-45.06	-40	-5.06	H
10.667	-73.04	Pk	37.9	-18.6	7.7	-46.04	-40	-6.04	V
14.226	-71.74	Pk	39.1	-20.3	9.2	-43.74	-40	-3.74	H
14.233	-71.96	Pk	39.1	-20.3	9.3	-43.86	-40	-3.86	V
Mid Channel, 3625MHz									
7.25	-75.56	Pk	35.5	-22.5	7.6	-54.96	-40	-14.96	V
7.258	-74.64	Pk	35.5	-22.5	7.2	-54.44	-40	-14.44	H
10.886	-76.84	Pk	38	-18.4	7.6	-49.64	-40	-9.64	H
10.999	-76.89	Pk	38	-18.5	8	-49.39	-40	-9.39	V
14.491	-76.15	Pk	39.7	-20.1	11.1	-45.45	-40	-5.45	H
14.572	-75.23	Pk	39.7	-20	10.3	-45.23	-40	-5.23	V
High Channel, 3690MHz									
7.374	-76.26	Pk	35.5	-22.6	7.3	-56.06	-40	-16.06	H
7.376	-75.88	Pk	35.5	-22.7	7.5	-55.58	-40	-15.58	V
11.053	-76.76	Pk	38	-18.6	8.3	-49.06	-40	-9.06	H
11.056	-77.78	Pk	38	-18.6	8.3	-50.08	-40	-10.08	V
14.744	-75.54	Pk	39.8	-20.1	9	-46.84	-40	-6.84	H
14.822	-75.46	Pk	39.9	-20.2	9.4	-46.36	-40	-6.36	V

Pk - Peak detector

END OF REPORT

10. SETUP PHOTOS

Please see setup photo report 12696946-EP1V1