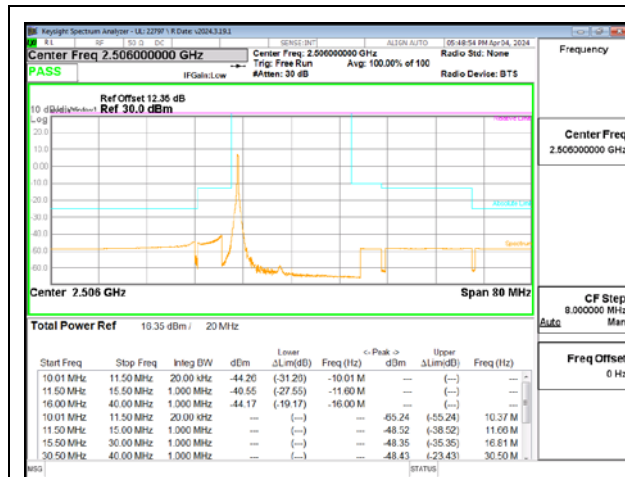
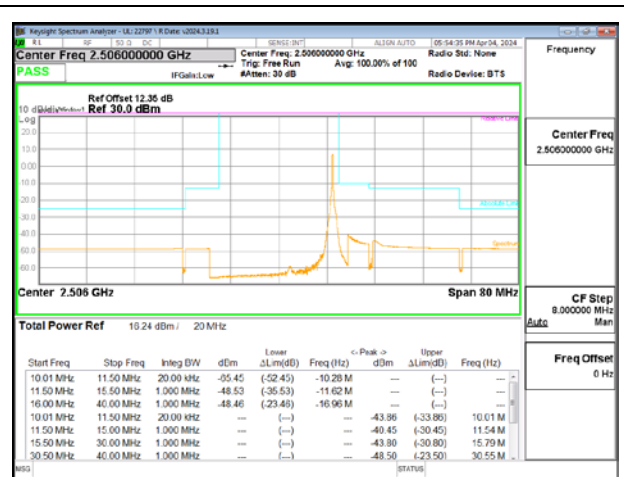
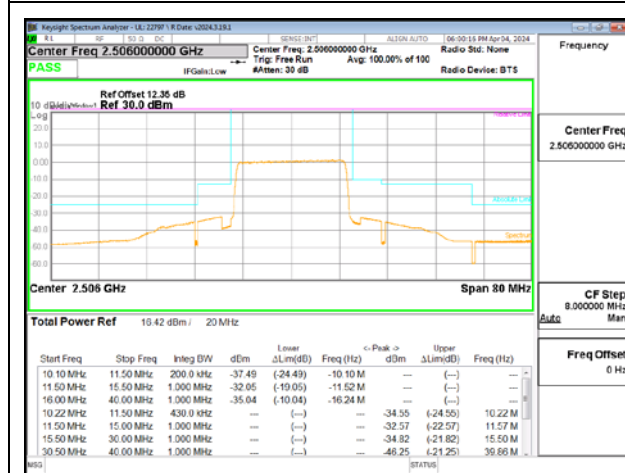




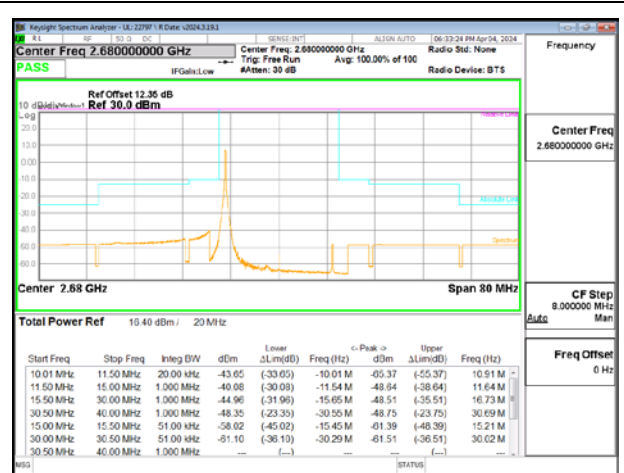
LTE41 20MHz 16QAM LOW Ch RB1-0



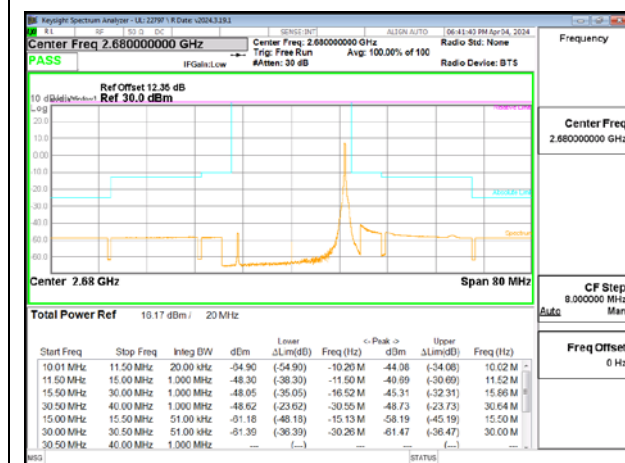
LTE41 20MHz 16QAM LOW Ch RB1-99



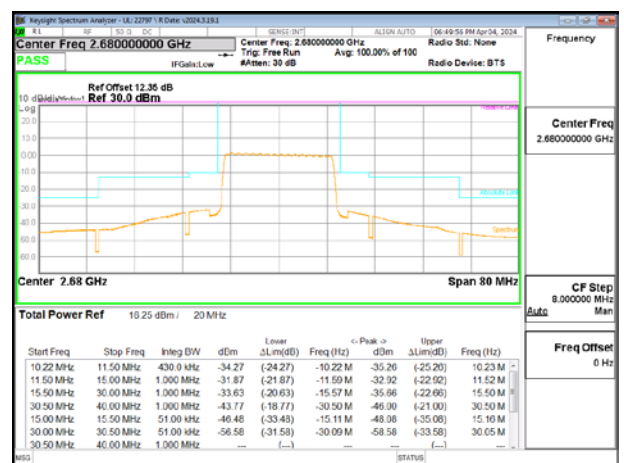
LTE41 20MHz 16QAM LOW Ch RB100-0



LTE41 20MHz 16QAM HIGH Ch RB1-0



LTE41 20MHz 16QAM HIGH Ch RB1-99



LTE41 20MHz 16QAM HIGH Ch RB100-0

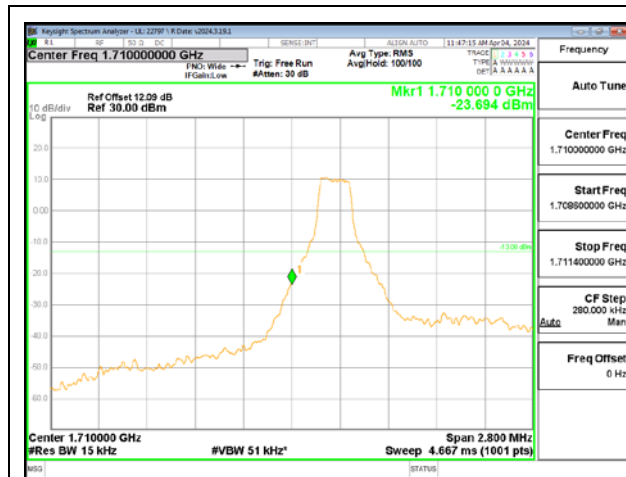
9.4.11. LTE66

LIMITS

FCC: §27.53(h)

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.

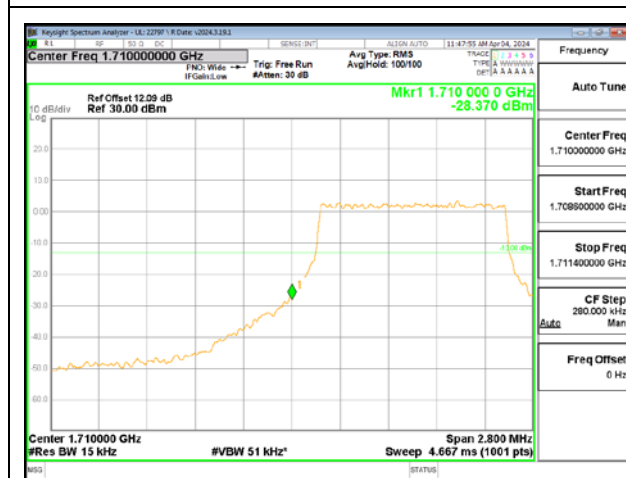
Test Engineer ID:	22797/85502	Test Date:	04-04-24	Sample SN:	QV77004EL3
-------------------	-------------	------------	----------	------------	------------



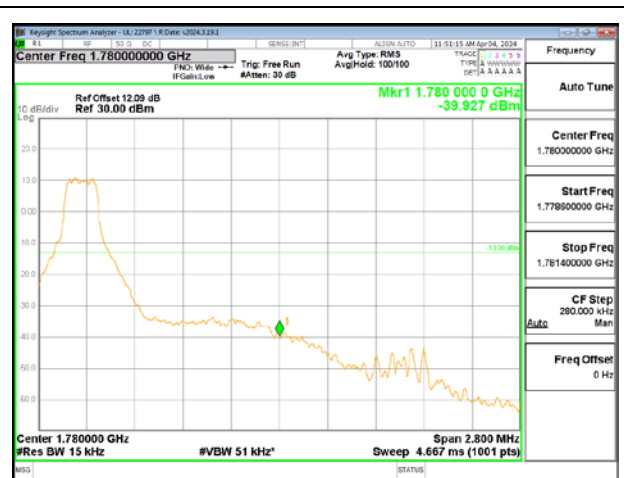
LTE66 1.4MHz 16QAM LOW Ch RB1-0



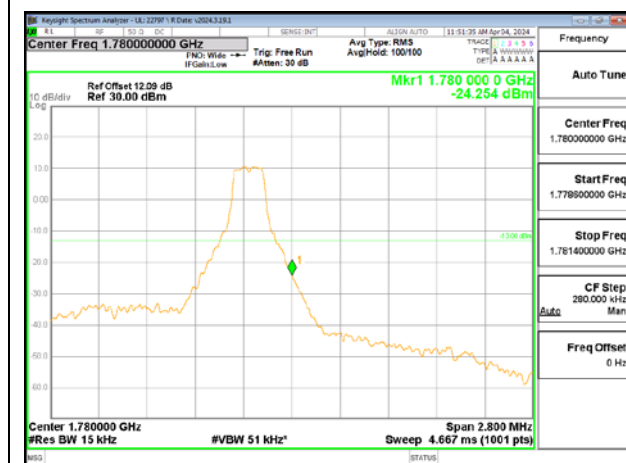
LTE66 1.4MHz 16QAM LOW Ch RB1-5



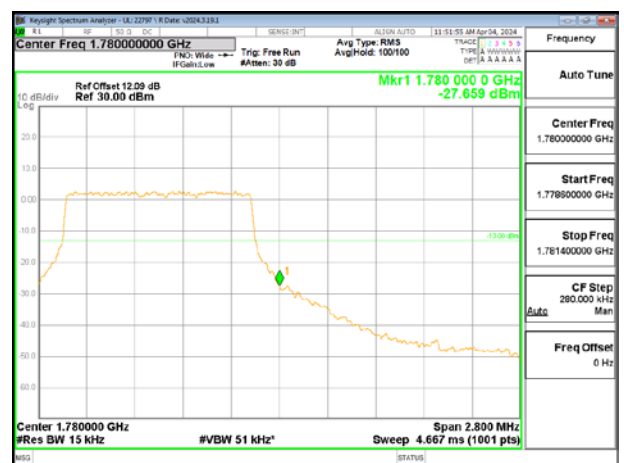
LTE66 1.4MHz 16QAM LOW Ch RB6-0



LTE66 1.4MHz 16QAM HIGH Ch RB1-0



LTE66 1.4MHz 16QAM HIGH Ch RB1-5



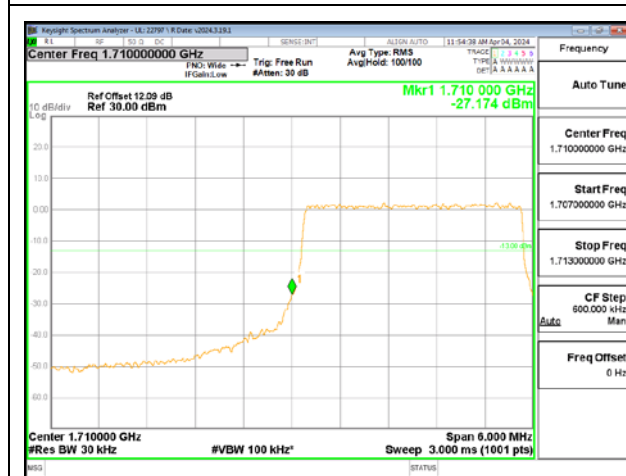
LTE66 1.4MHz 16QAM HIGH Ch RB6-0



LTE66 3MHz 16QAM LOW Ch RB1-0



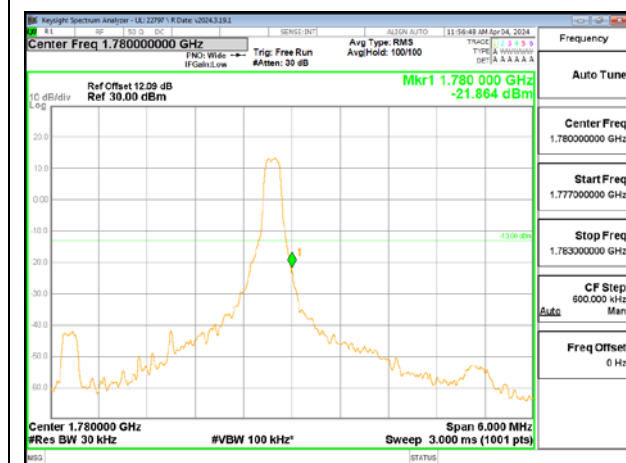
LTE66 3MHz 16QAM LOW Ch RB1-14



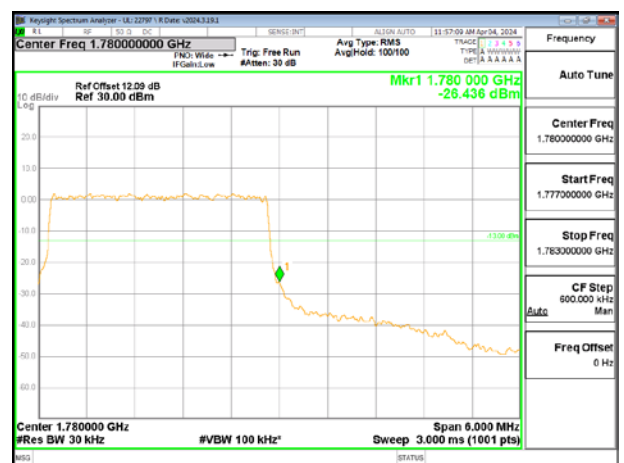
LTE66 3MHz 16QAM LOW Ch RB15-0



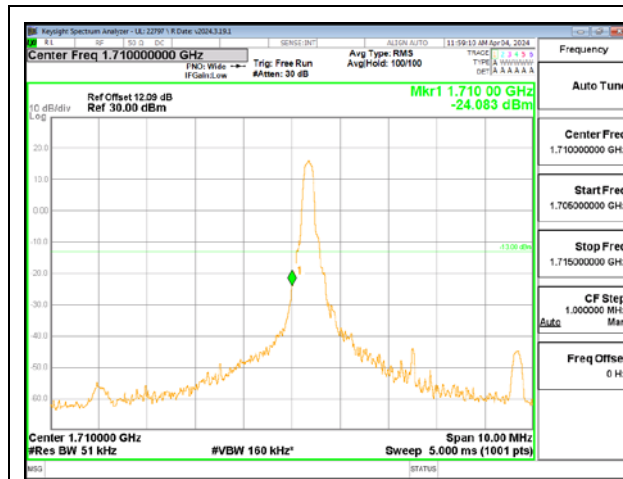
LTE66 3MHz 16QAM HIGH Ch RB1-0



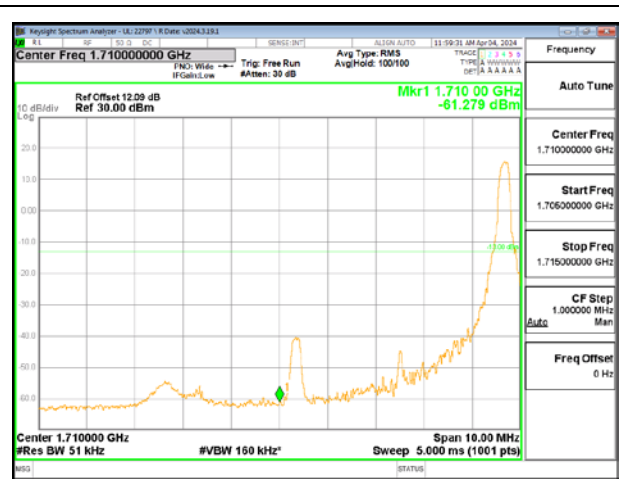
LTE66 3MHz 16QAM HIGH Ch RB1-14



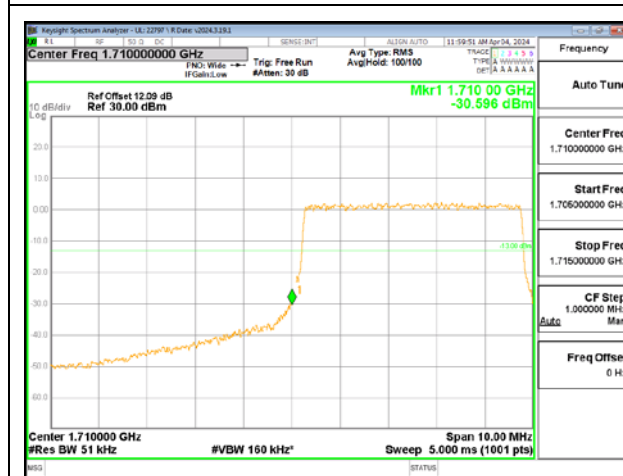
LTE66 3MHz 16QAM HIGH Ch RB15-0



LTE66 5MHz 16QAM LOW Ch RB1-0



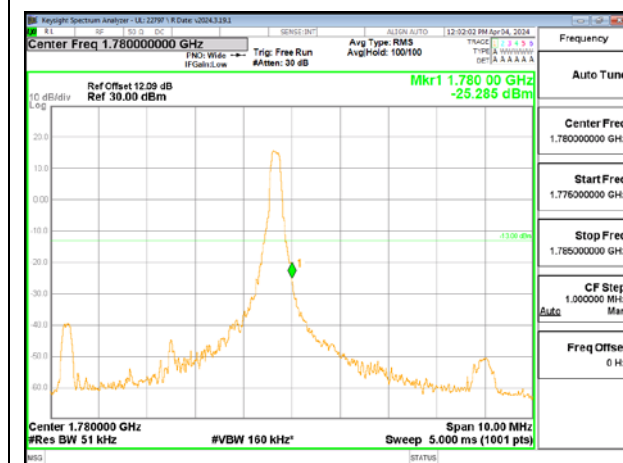
LTE66 5MHz 16QAM LOW Ch RB1-24



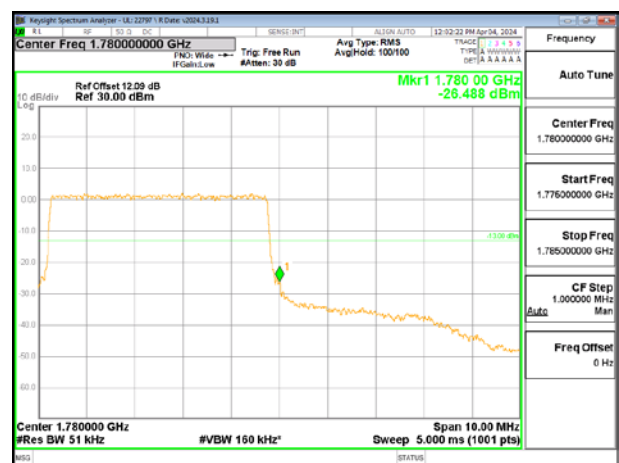
LTE66 5MHz 16QAM LOW Ch RB25-0



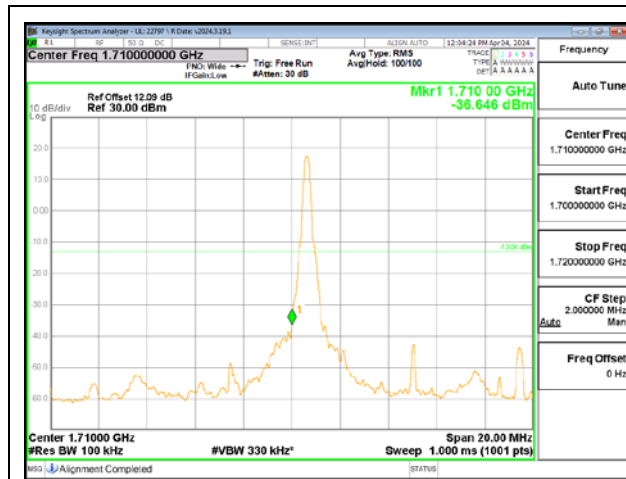
LTE66 5MHz 16QAM HIGH Ch RB1-0



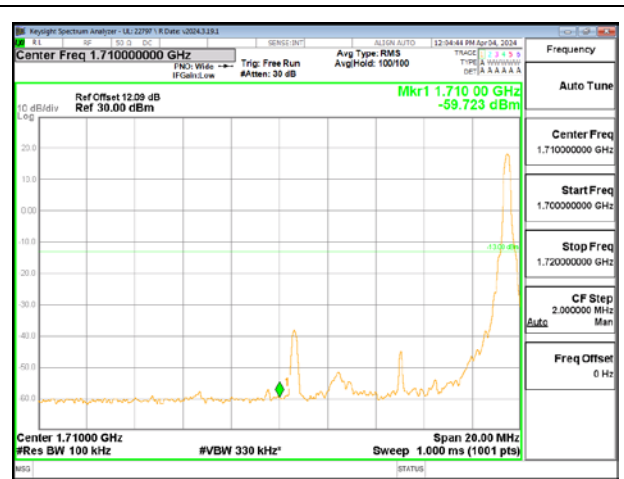
LTE66 5MHz 16QAM HIGH Ch RB1-24



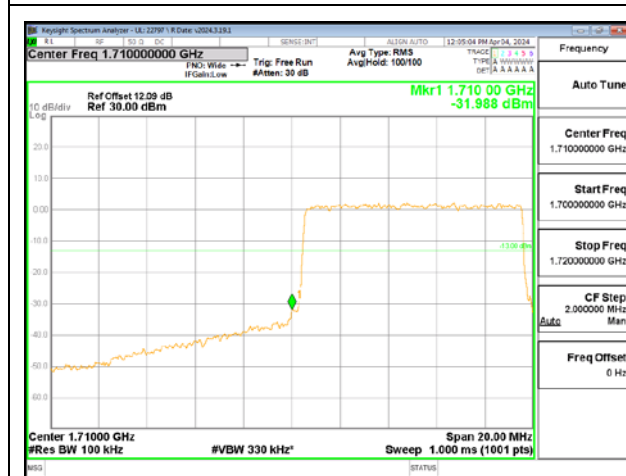
LTE66 5MHz 16QAM HIGH Ch RB25-0



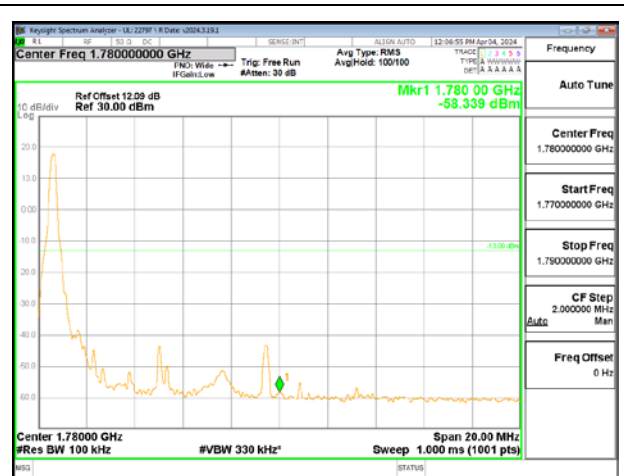
LTE66 10MHz 16QAM LOW Ch RB1-0



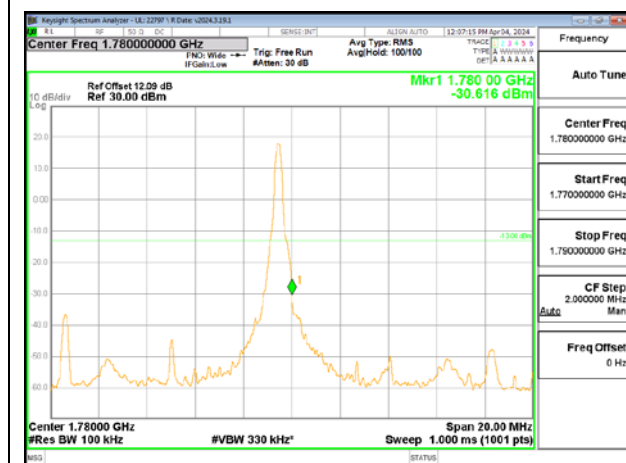
LTE66 10MHz 16QAM LOW Ch RB1-49



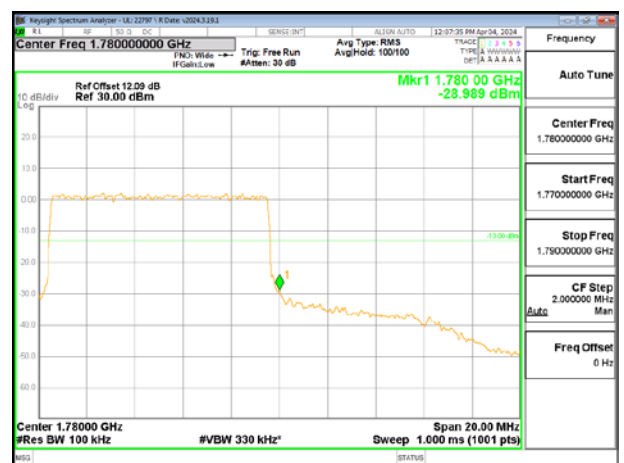
LTE66 10MHz 16QAM LOW Ch RB50-0



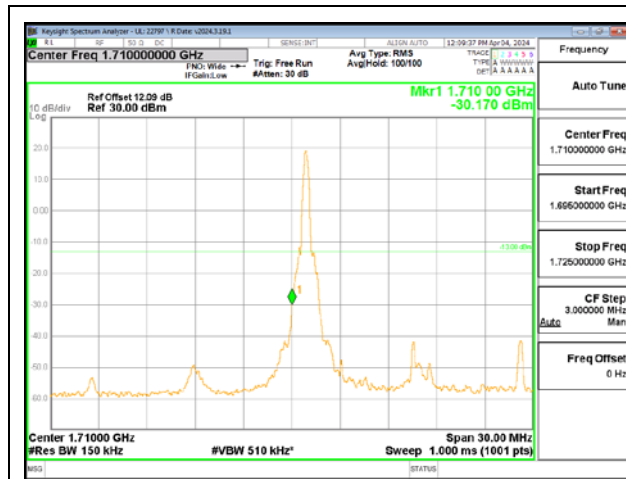
LTE66 10MHz 16QAM HIGH Ch RB1-0



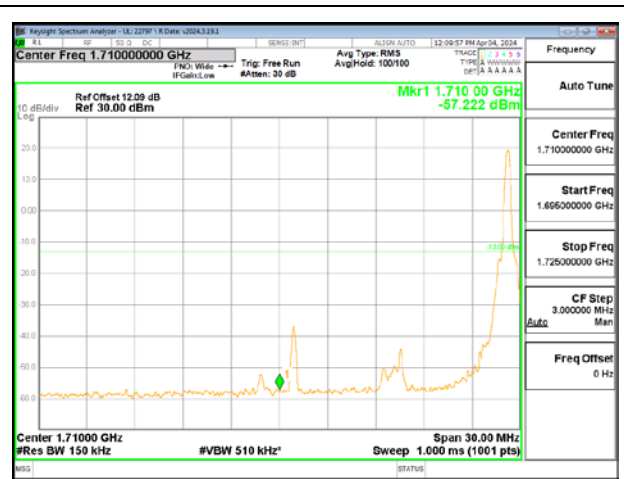
LTE66 10MHz 16QAM HIGH Ch RB1-49



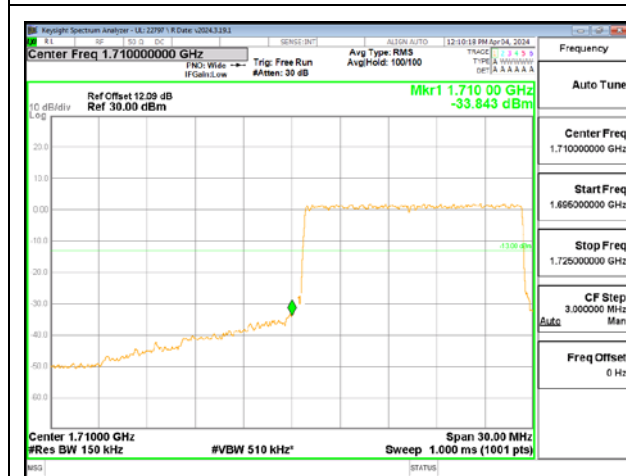
LTE66 10MHz 16QAM HIGH Ch RB50-0



LTE66 15MHz 16QAM LOW Ch RB1-0



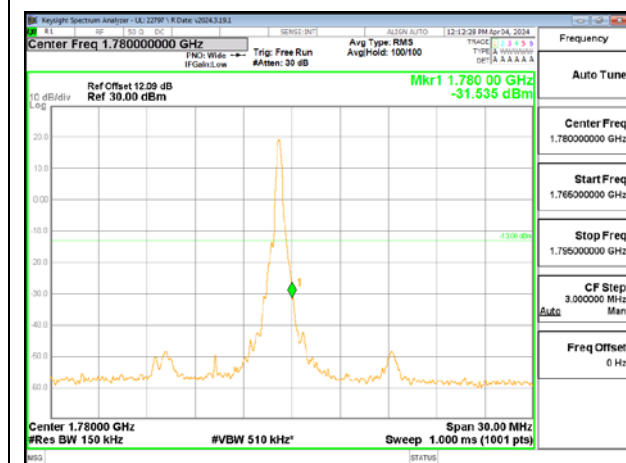
LTE66 15MHz 16QAM LOW Ch RB1-74



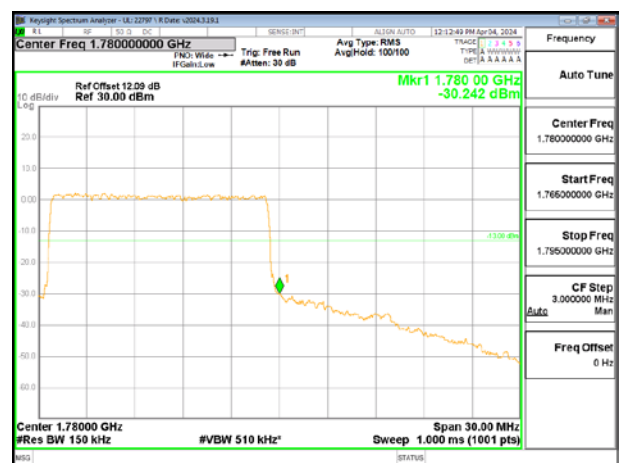
LTE66 15MHz 16QAM LOW Ch RB75-0



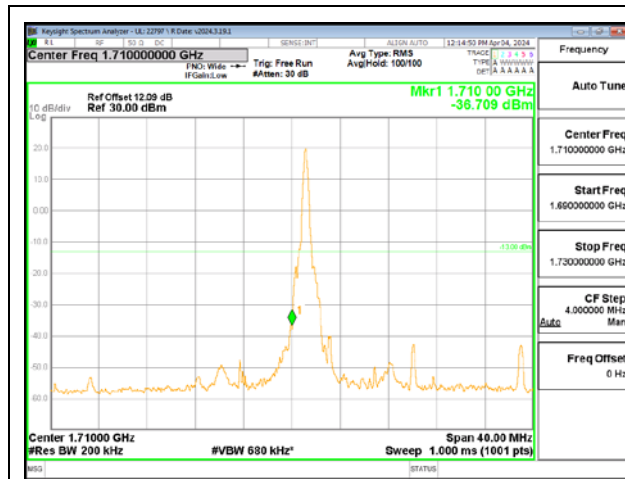
LTE66 15MHz 16QAM HIGH Ch RB1-0



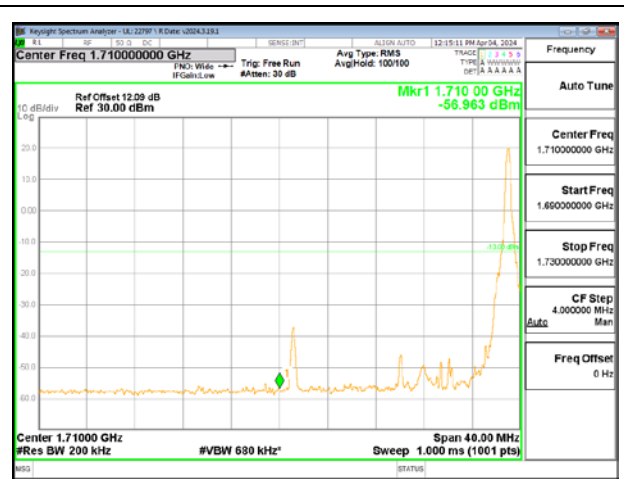
LTE66 15MHz 16QAM HIGH Ch RB1-74



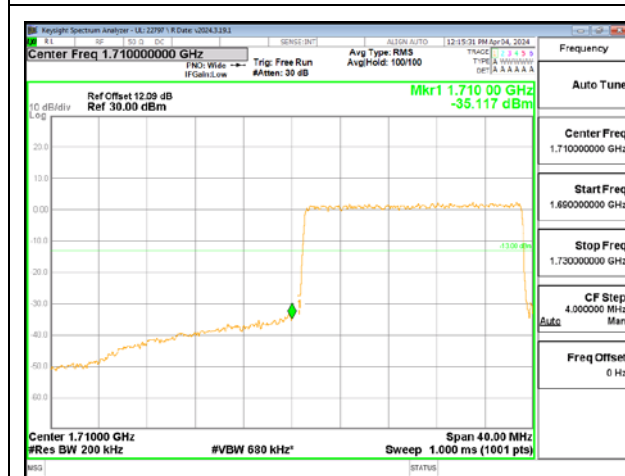
LTE66 15MHz 16QAM HIGH Ch RB75-0



LTE66 20MHz 16QAM LOW Ch RB1-0



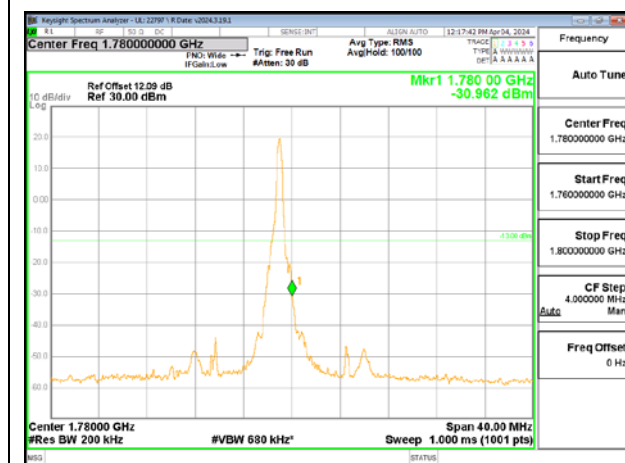
LTE66 20MHz 16QAM LOW Ch RB1-99



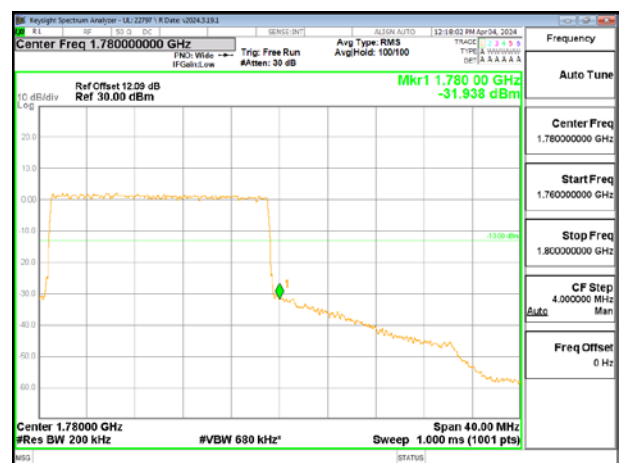
LTE66 20MHz 16QAM LOW Ch RB100-0



LTE66 20MHz 16QAM HIGH Ch RB1-0



LTE66 20MHz 16QAM HIGH Ch RB1-99



LTE66 20MHz 16QAM HIGH Ch RB100-0

9.5. FREQUENCY STABILITY

TEST PROCEDURE

Use CMW 500 with Frequency Error measurement capability.

(vii) Temp. = -30°C to +50°C

(viii) Voltage = (85% - 100%)

Normal, 3.89VDC

End Voltage, 3.69VDC.

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°C is reached.

Frequency Stability vs Voltage:

FCC 2.1055 (d)(2):

For hand carried, battery powered equipment, reduce primary supply voltage to the battery operating end point which shall be specified by the manufacturer.

RESULTS

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

9.5.1. GSM850

Test Engineer ID:	104463/85502	Test Date:	04-03-24	EUT Serial Number:	QV7700BLLD
--------------------------	--------------	-------------------	----------	---------------------------	------------

Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	824.05660000	848.94880000			
Extreme (50°C)		824.05659500	848.94879500	-5	-0.006	Yes
Extreme (40°C)		824.05659450	848.94879450	-5.5	-0.007	Yes
Extreme (30°C)		824.05659270	848.94879270	-7.3	-0.009	Yes
Extreme (10°C)		824.05659680	848.94879680	-3.2	-0.004	Yes
Extreme (0°C)		824.05659110	848.94879110	-8.9	-0.011	Yes
Extreme (-10°C)		824.05659700	848.94879700	-3	-0.004	Yes
Extreme (-20°C)		824.05659640	848.94879640	-3.6	-0.004	Yes
Extreme (-30°C)		824.05659520	848.94879520	-4.8	-0.006	Yes
20°C	End Point Voltage	824.05659330	848.94879330	-6.7	-0.008	Yes

9.5.2. GSM1900

Test Engineer ID:	104463/85502	Test Date:	04-03-24	EUT Serial Number:	QV7700BLLD
--------------------------	--------------	-------------------	----------	---------------------------	------------

Band	2	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1910		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	1850.10860000	1909.88920000			
Extreme (50°C)		1850.10859090	1909.88919090	-9.1	-0.005	Yes
Extreme (40°C)		1850.10859640	1909.88919640	-3.6	-0.002	Yes
Extreme (30°C)		1850.10859330	1909.88919330	-6.7	-0.004	Yes
Extreme (10°C)		1850.10859790	1909.88919790	-2.1	-0.001	Yes
Extreme (0°C)		1850.10859480	1909.88919480	-5.2	-0.003	Yes
Extreme (-10°C)		1850.10859300	1909.88919300	-7	-0.004	Yes
Extreme (-20°C)		1850.10860620	1909.88920620	6.2	0.003	Yes
Extreme (-30°C)		1850.10859480	1909.88919480	-5.2	-0.003	Yes
20°C	End Point Voltage	1850.10858730	1909.88918730	-12.7	-0.007	Yes

9.5.3. WCDMA BAND 2

Test Engineer ID:	104463/85502	Test Date:	03-29-24 04-03-24	EUT Serial Number:	QV7700BLLD
--------------------------	--------------	-------------------	----------------------	---------------------------	------------

Band	2	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1910		2.5	
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	1850.62830000	1909.33500000			
Extreme (50°C)		1850.62830682	1909.33500682	6.82	0.004	Yes
Extreme (40°C)		1850.62830300	1909.33500300	3	0.002	Yes
Extreme (30°C)		1850.62830340	1909.33500340	3.4	0.002	Yes
Extreme (10°C)		1850.62829658	1909.33499658	-3.42	-0.002	Yes
Extreme (0°C)		1850.62829624	1909.33499624	-3.76	-0.002	Yes
Extreme (-10°C)		1850.62829589	1909.33499589	-4.11	-0.002	Yes
Extreme (-20°C)		1850.62830464	1909.33500464	4.64	0.002	Yes
Extreme (-30°C)		1850.62829535	1909.33499535	-4.65	-0.002	Yes
20°C	End Point Voltage	1850.62830456	1909.33500456	4.56	0.002	Yes

9.5.4. WCDMA BAND 4

Test Engineer ID:	104463/85502	Test Date:	03-29-24 04-03-24	EUT Serial Number:	QV7700BLLD
-------------------	--------------	------------	----------------------	--------------------	------------

Band	4	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1755			
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)			
Temperature	Voltage				Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	1710.52170000	1754.54000000			
Extreme (50°C)		1710.52169312	1754.53999312	-6.88	-0.004	Yes
Extreme (40°C)		1710.52169388	1754.53999388	-6.12	-0.004	Yes
Extreme (30°C)		1710.52169417	1754.53999417	-5.83	-0.003	Yes
Extreme (10°C)		1710.52169547	1754.53999547	-4.53	-0.003	Yes
Extreme (0°C)		1710.52169601	1754.53999601	-3.99	-0.002	Yes
Extreme (-10°C)		1710.52169552	1754.53999552	-4.48	-0.003	Yes
Extreme (-20°C)		1710.52169672	1754.53999672	-3.28	-0.002	Yes
Extreme (-30°C)		1710.52169661	1754.53999661	-3.39	-0.002	Yes
20°C	End Point Voltage	1710.52169484	1754.53999484	-5.16	-0.003	Yes

9.5.5. WCDMA BAND 5

Test Engineer ID:	104463/85502	Test Date:	03-29-24 04-03-24	EUT Serial Number:	QV7700BLLD
-------------------	--------------	------------	----------------------	--------------------	------------

Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Temperature	Voltage					
Normal (20°C)	Normal	824.41000000	848.59500000			
Extreme (50°C)		824.40999787	848.59499787	-2.13	-0.003	Yes
Extreme (40°C)		824.40999688	848.59499688	-3.12	-0.004	Yes
Extreme (30°C)		824.40999807	848.59499807	-1.93	-0.002	Yes
Extreme (10°C)		824.41000224	848.59500224	2.24	0.003	Yes
Extreme (0°C)		824.41000151	848.59500151	1.51	0.002	Yes
Extreme (-10°C)		824.41000288	848.59500288	2.88	0.003	Yes
Extreme (-20°C)		824.41000217	848.59500217	2.17	0.003	Yes
Extreme (-30°C)		824.41000245	848.59500245	2.45	0.003	Yes
20°C	End Point Voltage	824.40999835	848.59499835	-1.65	-0.002	Yes

9.5.6. LTE5

Test Engineer ID:	104463/85502	Test Date:	03-28-24 04-01-24	EUT Serial Number:	QV7700BLLD
-------------------	--------------	------------	----------------------	--------------------	------------

Band	5	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		824	849		2.5	
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	824.43000000	848.61000000			
Extreme (50°C)		824.42999850	848.60999850	-1.5	-0.002	Yes
Extreme (40°C)		824.42999760	848.60999760	-2.4	-0.003	Yes
Extreme (30°C)		824.43000320	848.61000320	3.2	0.004	Yes
Extreme (10°C)		824.43000260	848.61000260	2.6	0.003	Yes
Extreme (0°C)		824.43000180	848.61000180	1.8	0.002	Yes
Extreme (-10°C)		824.43000330	848.61000330	3.3	0.004	Yes
Extreme (-20°C)		824.43000280	848.61000280	2.8	0.003	Yes
Extreme (-30°C)		824.42999780	848.60999780	-2.2	-0.003	Yes
20°C	End Point Voltage	824.43000160	848.61000160	1.6	0.002	Yes

9.5.7. LTE12

Test Engineer ID:	104463/85502	Test Date:	03-28-24 04-01-24	EUT Serial Number:	QV7700BLLD
-------------------	--------------	------------	----------------------	--------------------	------------

Band	12	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		699	716			
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	699.44200000	715.59800000			
Extreme (50°C)		699.44200190	715.59800190	1.9	0.003	Yes
Extreme (40°C)		699.44200130	715.59800130	1.3	0.002	Yes
Extreme (30°C)		699.44199800	715.59799800	-2	-0.003	Yes
Extreme (10°C)		699.44200390	715.59800390	3.9	0.006	Yes
Extreme (0°C)		699.44200280	715.59800280	2.8	0.004	Yes
Extreme (-10°C)		699.44200100	715.59800100	1	0.001	Yes
Extreme (-20°C)		699.44200180	715.59800180	1.8	0.003	Yes
Extreme (-30°C)		699.44200290	715.59800290	2.9	0.004	Yes
20°C	End Point Voltage	699.44199770	715.59799770	-2.3	-0.003	Yes

9.5.8. LTE13

Test Engineer ID:	104463/85502	Test Date:	03-28-24 04-01-24	EUT Serial Number:	QV7700BLLD
--------------------------	--------------	-------------------	----------------------	---------------------------	------------

Band	13	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		777	787			
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	777.18000000	786.88000000			
Extreme (50°C)		777.18000190	786.88000190	1.9	0.002	Yes
Extreme (40°C)		777.18000250	786.88000250	2.5	0.003	Yes
Extreme (30°C)		777.18000290	786.88000290	2.9	0.004	Yes
Extreme (10°C)		777.18000370	786.88000370	3.7	0.005	Yes
Extreme (0°C)		777.18000360	786.88000360	3.6	0.005	Yes
Extreme (-10°C)		777.18000420	786.88000420	4.2	0.005	Yes
Extreme (-20°C)		777.18000270	786.88000270	2.7	0.003	Yes
Extreme (-30°C)		777.18000250	786.88000250	2.5	0.003	Yes
20°C	End Point Voltage	777.17999810	786.87999810	-1.9	-0.002	Yes

9.5.9. LTE25

Test Engineer ID:	33499/84740	Test Date:	04-01-24	EUT Serial Number:	QV7700BLDD
--------------------------	-------------	-------------------	----------	---------------------------	------------

Band	25	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1850	1915		2.5	Within Authorized Frequency Block (Hz)
		Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	
Temperature	Voltage					
Normal (20°C)	Normal	1850.89400000	1914.13900000			
Extreme (50°C)		1850.89399240	1914.13899240	-7.6	-0.004	Yes
Extreme (40°C)		1850.89399310	1914.13899310	-6.9	-0.004	Yes
Extreme (30°C)		1850.89399440	1914.13899440	-5.6	-0.003	Yes
Extreme (10°C)		1850.89399290	1914.13899290	-7.1	-0.004	Yes
Extreme (0°C)		1850.89399180	1914.13899180	-8.2	-0.004	Yes
Extreme (-10°C)		1850.89399450	1914.13899450	-5.5	-0.003	Yes
Extreme (-20°C)		1850.89399370	1914.13899370	-6.3	-0.003	Yes
Extreme (-30°C)		1850.89399450	1914.13899450	-5.5	-0.003	Yes
20°C	End Point Voltage	1850.89399580	1914.13899580	-4.2	-0.002	Yes

9.5.10. LTE41

Test Engineer ID:	104463/85502	Test Date:	03-28-24 04-01-24	EUT Serial Number:	QV7700BLLD
--------------------------	--------------	-------------------	----------------------	---------------------------	------------

Band	41	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		2496	2690			
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	2496.93300000	2689.10600000			
Extreme (50°C)		2496.93300240	2689.10600240	2.4	0.001	Yes
Extreme (40°C)		2496.93299620	2689.10599620	-3.8	-0.001	Yes
Extreme (30°C)		2496.93300530	2689.10600530	5.3	0.002	Yes
Extreme (10°C)		2496.93299610	2689.10599610	-3.9	-0.002	Yes
Extreme (0°C)		2496.93299600	2689.10599600	-4	-0.002	Yes
Extreme (-10°C)		2496.93300390	2689.10600390	3.9	0.002	Yes
Extreme (-20°C)		2496.93300390	2689.10600390	3.9	0.002	Yes
Extreme (-30°C)		2496.93299590	2689.10599590	-4.1	-0.002	Yes
20°C	End Point Voltage	2496.93300750	2689.10600750	7.5	0.003	Yes

9.5.11. LTE66

Test Engineer ID:	104463/85502	Test Date:	03-28-24 04-01-24	EUT Serial Number:	QV7700BLLD
--------------------------	--------------	-------------------	----------------------	---------------------------	------------

Band	66	Frequency Range		Frequency Error Reading (Hz)	Limit	
Condition		1710	1780			
Temperature	Voltage	Freq Reading @ Low End (MHz)	Freq Reading @ High End (MHz)		Frequency Stability (ppm)	Within Authorized Frequency Block (Hz)
Normal (20°C)	Normal	1710.87300000	1779.16900000			
Extreme (50°C)		1710.87299450	1779.16899450	-5.5	-0.003	Yes
Extreme (40°C)		1710.87299430	1779.16899430	-5.7	-0.003	Yes
Extreme (30°C)		1710.87300340	1779.16900340	3.4	0.002	Yes
Extreme (10°C)		1710.87300530	1779.16900530	5.3	0.003	Yes
Extreme (0°C)		1710.87299570	1779.16899570	-4.3	-0.002	Yes
Extreme (-10°C)		1710.87300300	1779.16900300	3	0.002	Yes
Extreme (-20°C)		1710.87300360	1779.16900360	3.6	0.002	Yes
Extreme (-30°C)		1710.87300540	1779.16900540	5.4	0.003	Yes
20°C	End Point Voltage	1710.87300500	1779.16900500	5	0.003	Yes

10. RADIATED TEST RESULTS

Radiated measurement using the Field Strength Method

Using the test configuration shown in Figure 6 below, We measure the radiated emissions directly from the EUT and convert the measured field strength or received power to ERP or EIRP, as required, for comparison to the applicable limits. As stated in 5.5.1 of ANSI C63.26-2015, the field strength measurement method using a test site validated to the requirements of ANSI C63.4 is an alternative to the substitution measurement method.

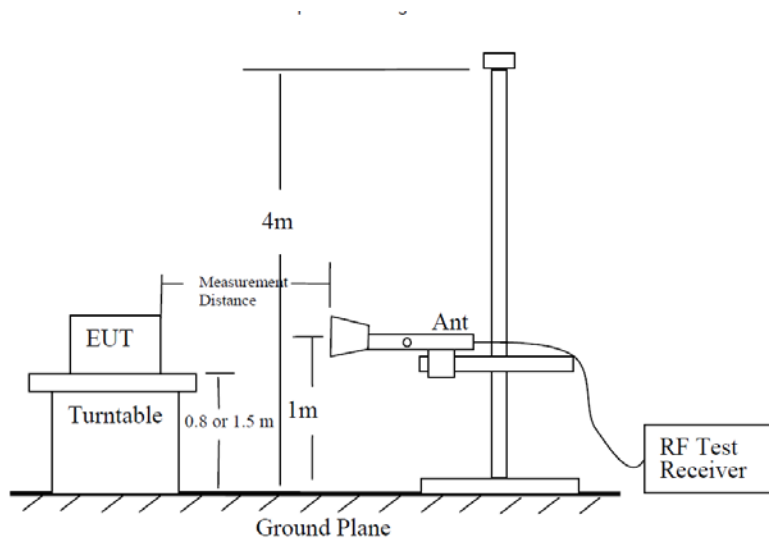


Figure 6 —Test site-up for radiated ERP and/or EIRP measurements

Radiated Power Measurement Calculation According to ANSI C63.26-2015

- a) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dB}\mu\text{V)} + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- b) $E \text{ (dB}\mu\text{V/m)} = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}.$
- c) $E \text{ (dB}\mu\text{V/m)} = \text{EIRP (dBm)} - 20\log(D) + 104.8;$ where D is the measurement distance (in the far field region) in m.
- d) $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 20\log(D) - 104.8;$ where D is the measurement distance (in the far field region) in m.

So, from d)

The measuring distance is usually at 3m, then $20 \cdot \log(3) = 9.5424$

Then, $\text{EIRP (dBm)} = E \text{ (dB}\mu\text{V/m)} + 9.5424 - 104.8 = E \text{ (dB}\mu\text{V/m)} - 95.2576$

Note: Confidence check of each chamber is performed daily to see if any degradation from expected/normal reading reference data. Ambient check of each chamber is performed monthly.

10.1. FIELD STRENGTH OF SPURIOUS RADIATION, ABOVE 1GHz

TEST PROCEDURE

KDB 971168 D01 v03r01/D02 v02/r01
All tests above 1GHz were done with a Resolution Bandwidth of 1MHz, and a Video Bandwidth of 3MHz

RESULTS

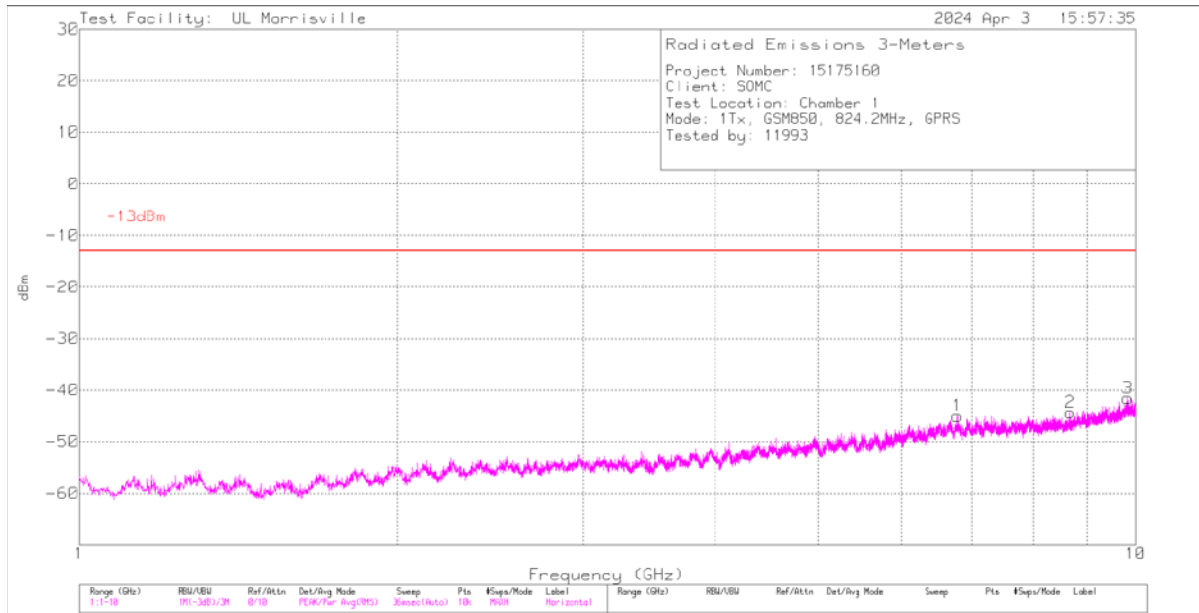
WWAN Band	Serial Number of EUT tested
All GSM, WCDMA, LTE Band RSE data in Section 10.1	QV7700CDLD

10.1.1. GSM850**LIMITS**

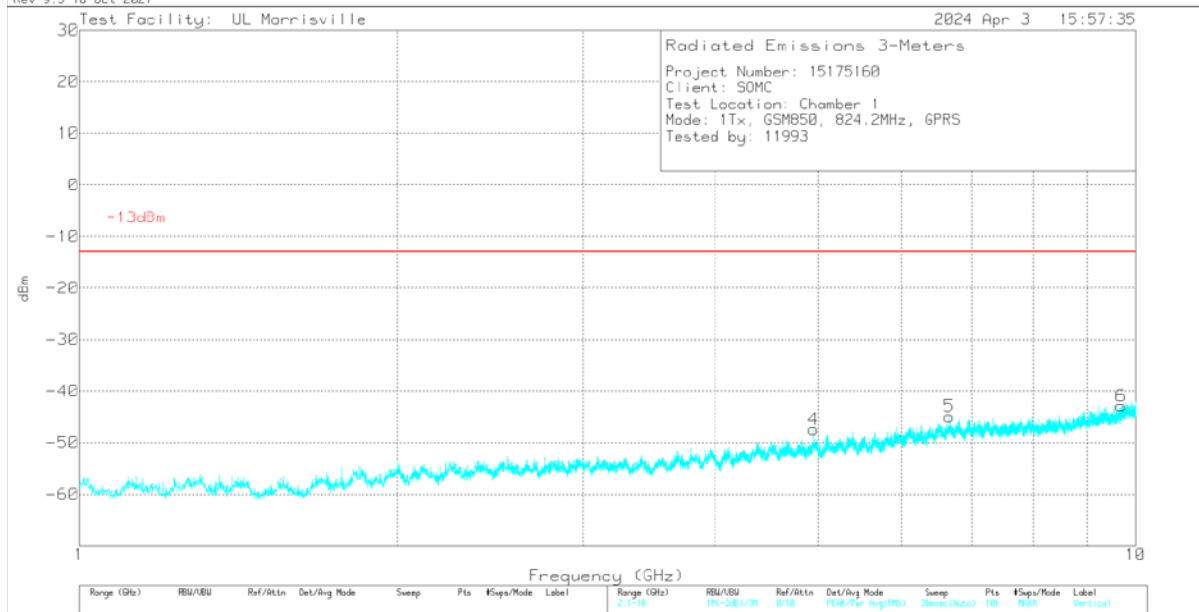
FCC: §22.917 (a)

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.

GPRS Low Channel



Rev 9.5 18 Oct 2021

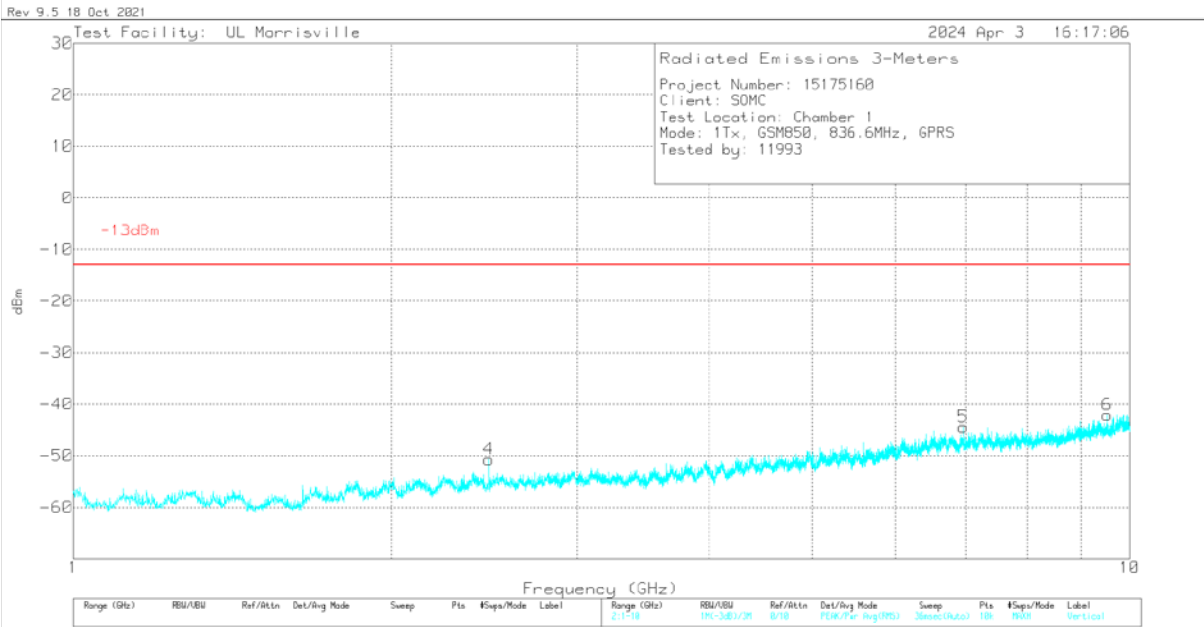
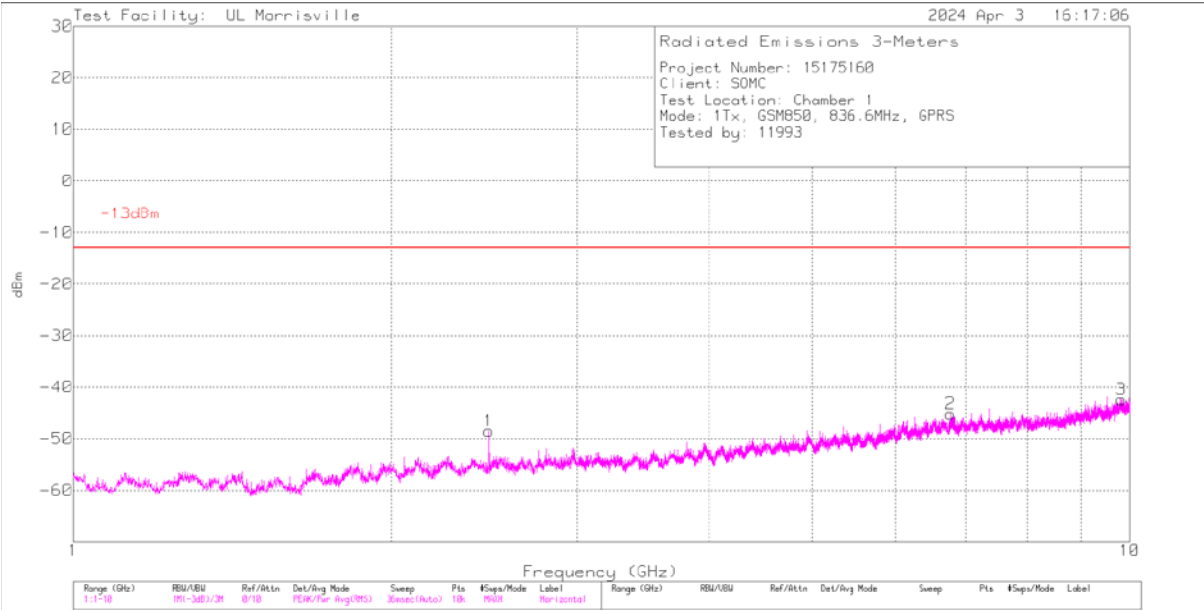


Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	Limit -13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	4.9519	-63.01	Pk	34	-30.6	.4	11.8	-47.41	-13	-34.41	0-360	101	V
5	6.6646	-64.29	Pk	35.6	-28.5	.5	11.8	-44.89	-13	-31.89	0-360	101	V
1	6.778	-64.57	Pk	35.6	-28.4	.6	11.8	-44.97	-13	-31.97	0-360	299	H
2	8.6743	-65.71	Pk	35.8	-26.6	.4	11.8	-44.31	-13	-31.31	0-360	99	H
6	9.6949	-66.66	Pk	36.8	-25.5	.7	11.8	-42.86	-13	-29.86	0-360	200	V
3	9.8281	-66.36	Pk	37.1	-24.9	.8	11.8	-41.56	-13	-28.56	0-360	299	H

Pk - Peak detector

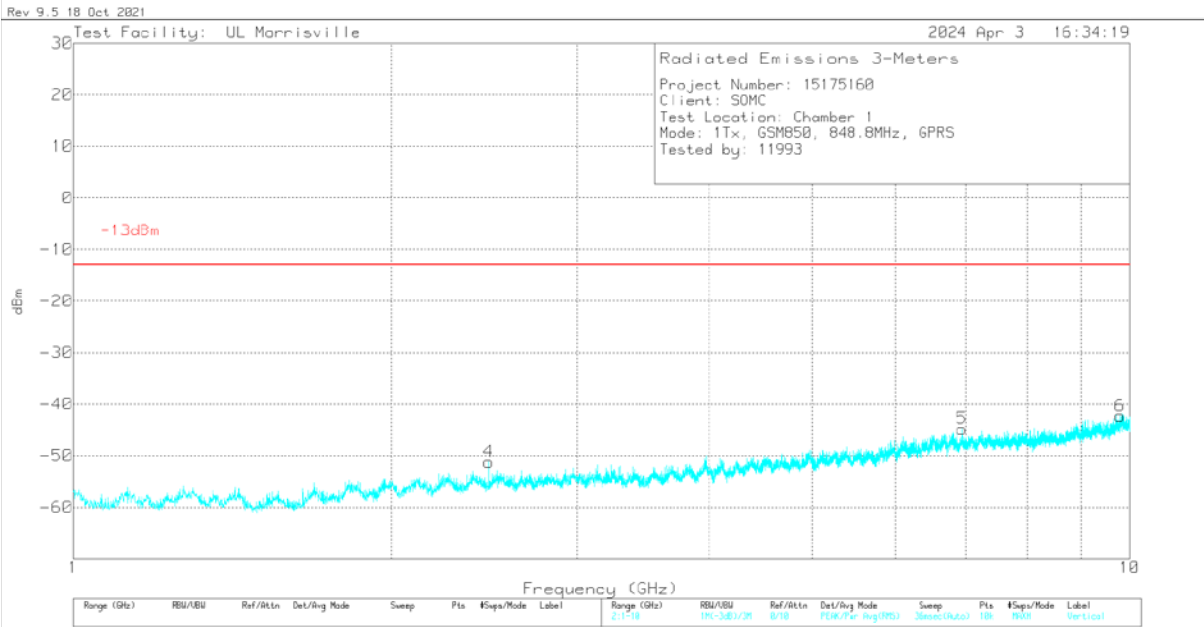
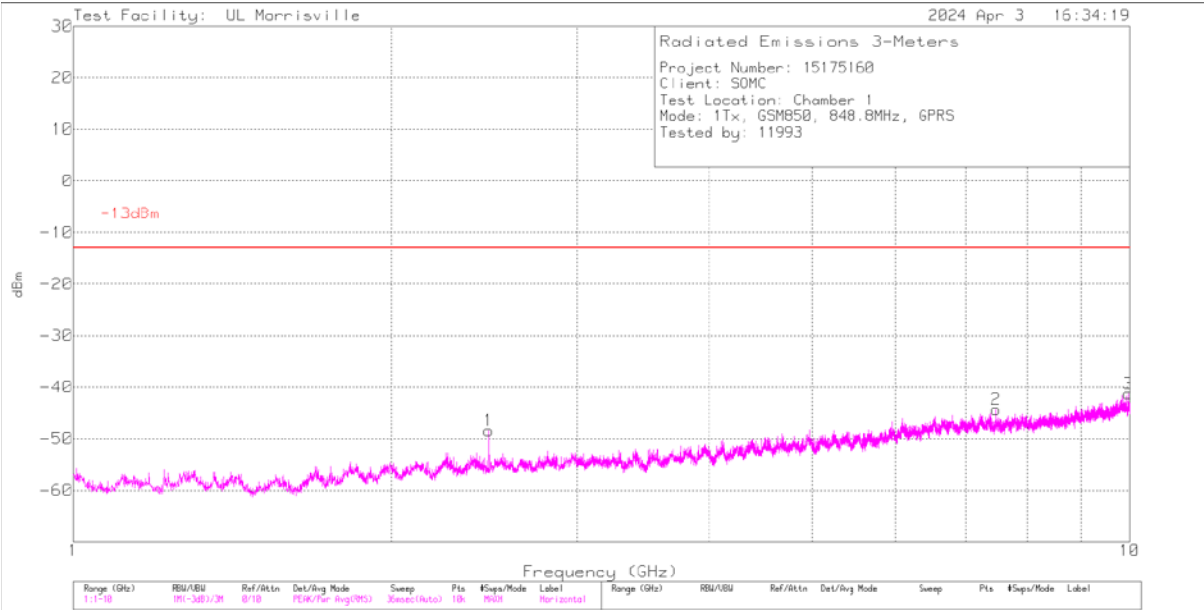
GPRS Mid channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4724	-58.91	Pk	32.3	-34.1	.4	11.8	-48.51	-13	-35.51	0-360	101	H
4	2.4724	-61.09	Pk	32.3	-34.1	.4	11.8	-50.69	-13	-37.69	0-360	300	V
2	6.7654	-64.75	Pk	35.6	-28.4	.6	11.8	-45.15	-13	-32.15	0-360	200	H
5	6.9607	-64.43	Pk	35.6	-28	.6	11.8	-44.43	-13	-31.43	0-360	101	V
6	9.5329	-65.76	Pk	36.6	-25.2	.5	11.8	-42.06	-13	-29.06	0-360	300	V
3	9.8218	-67	Pk	37.1	-25.1	.8	11.8	-42.4	-13	-29.4	0-360	299	H

Pk - Peak detector

GPRS High Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.4724	-58.81	Pk	32.3	-34.1	.4	11.8	-48.41	-13	-35.41	0-360	101	H
4	2.4724	-61.58	Pk	32.3	-34.1	.4	11.8	-51.18	-13	-38.18	0-360	200	V
5	6.9454	-65.05	Pk	35.6	-27.7	.6	11.8	-44.75	-13	-31.75	0-360	300	V
2	7.4791	-64.72	Pk	35.6	-27.3	.3	11.8	-44.32	-13	-31.32	0-360	101	H
6	9.7966	-66.49	Pk	37	-25.2	.6	11.8	-42.29	-13	-29.29	0-360	300	V
3	9.9703	-65.99	Pk	37.4	-25.2	.7	11.8	-41.29	-13	-28.29	0-360	200	H

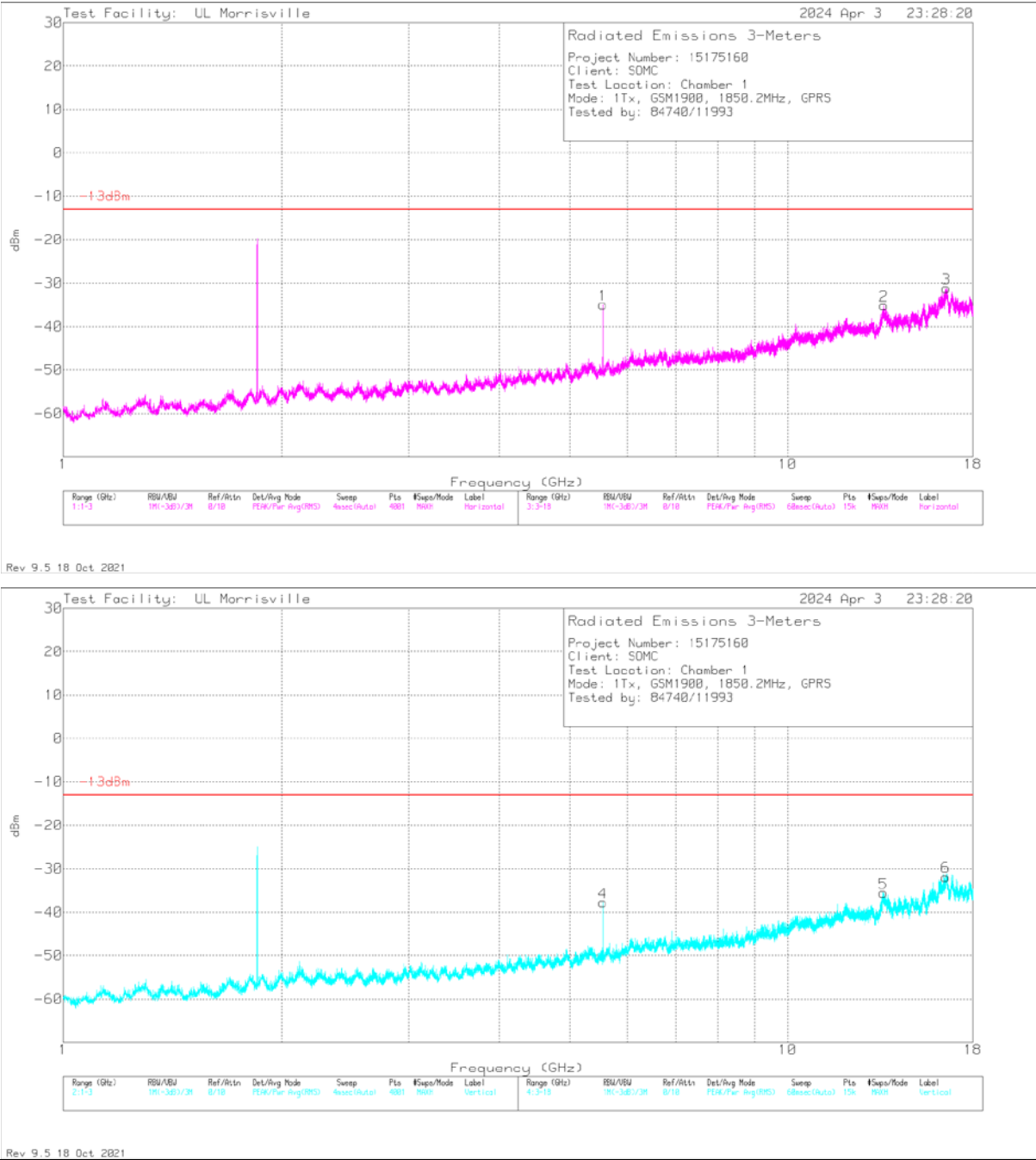
Pk - Peak detector

10.1.2. GSM1900**LIMITS**

FCC: §24.238 (a)

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.

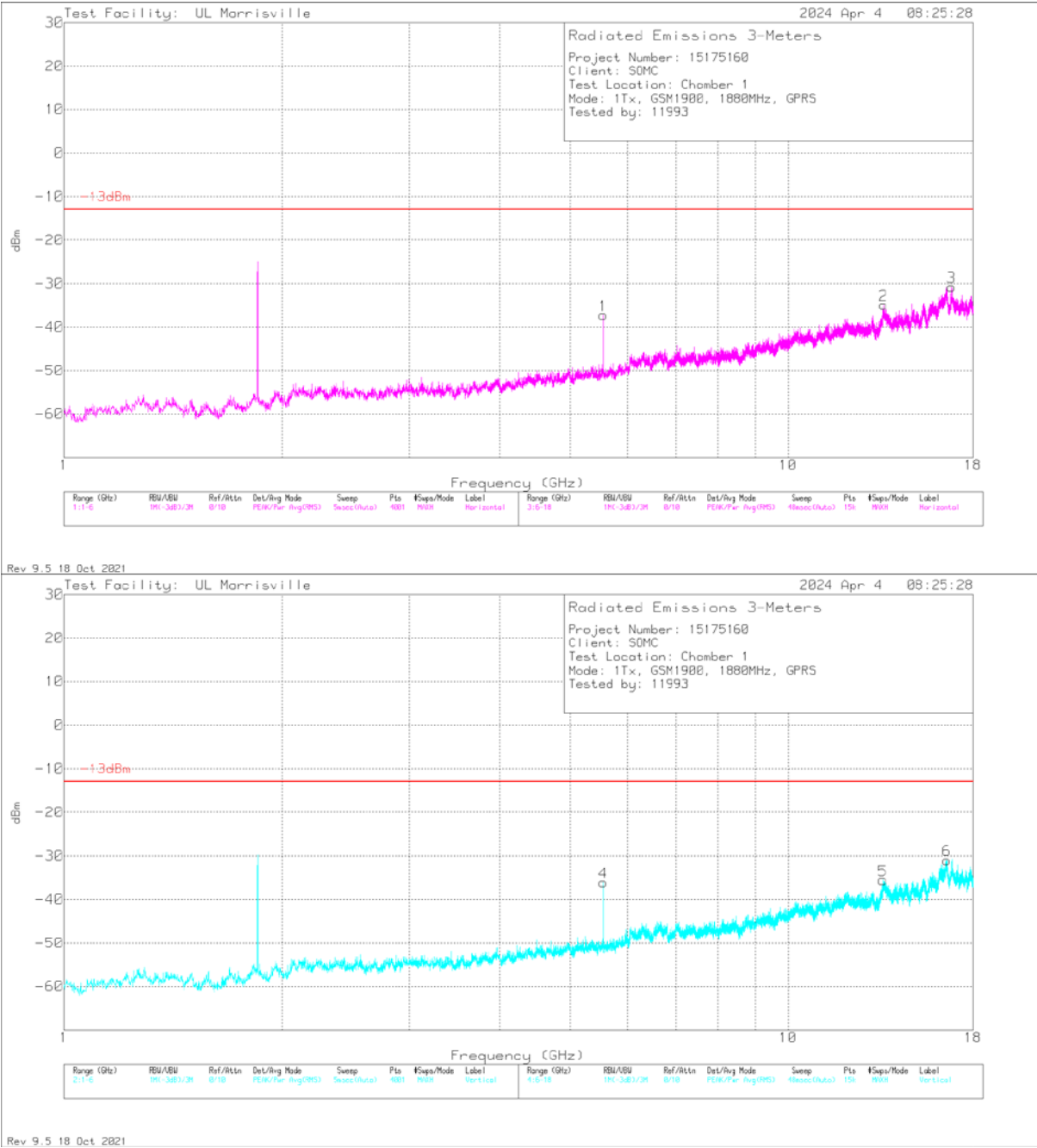
GPRS Low Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	5.55	-50.85	Pk	34.4	-30.3	11.8	0	-34.95	-13	-21.95	0-360	101	H
4	5.55	-53.68	Pk	34.4	-30.3	11.8	0	-37.78	-13	-24.78	0-360	299	V
5	13.543	-63.05	Pk	39	-23.3	11.8	0	-35.55	-13	-22.55	0-360	299	V
2	13.576	-62.12	Pk	39	-23.8	11.8	0	-35.12	-13	-22.12	0-360	199	H
6	16.521	-66.64	Pk	41.1	-18.1	11.8	0	-31.84	-13	-18.84	0-360	299	V
3	16.535	-65.99	Pk	41.1	-18.1	11.8	0	-31.19	-13	-18.19	0-360	199	H

Pk - Peak detector

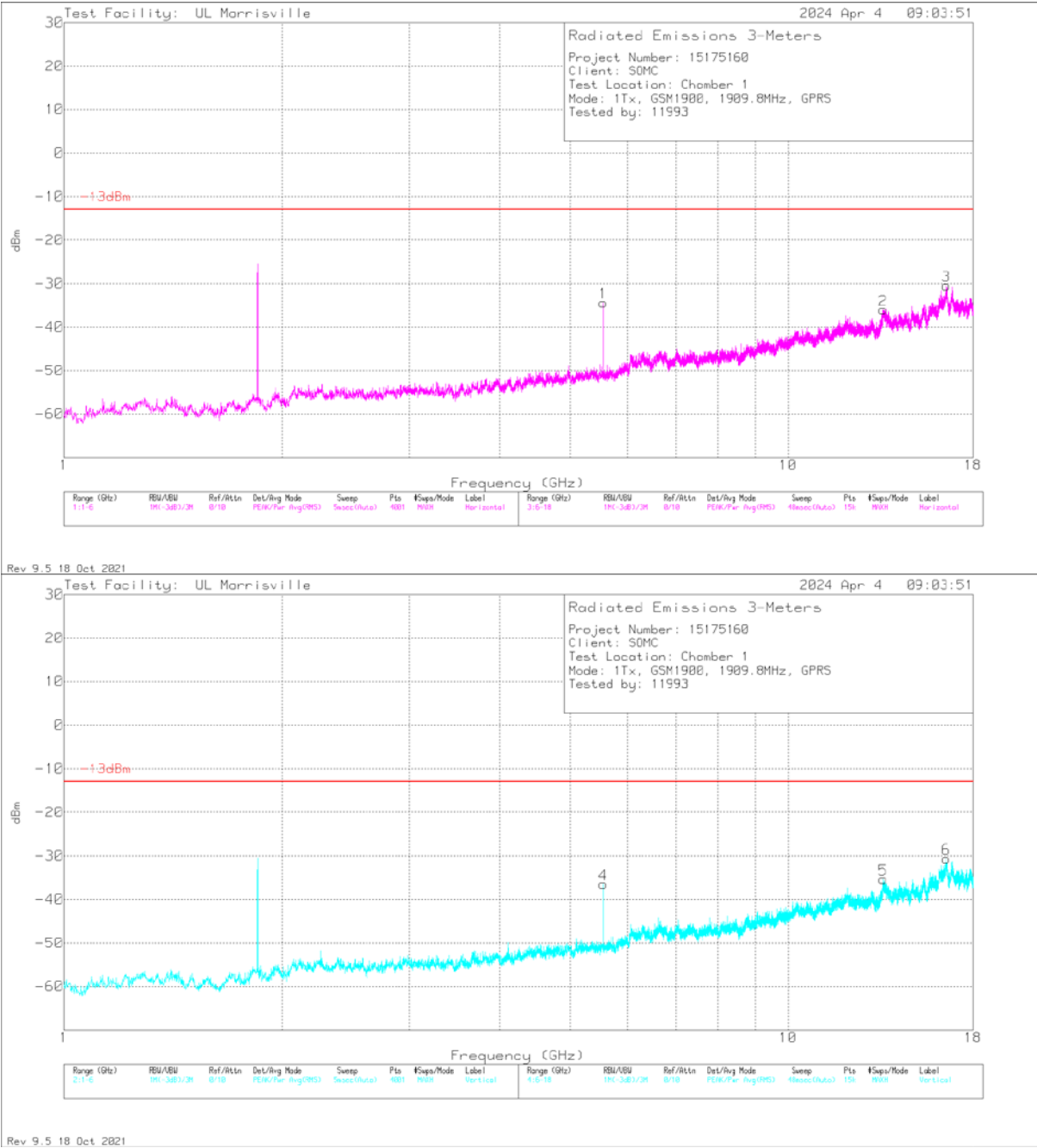
GPRS Mid Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	13.5128	-63.56	Pk	39	-22.8	11.8	0	-35.56	-13	-22.56	0-360	200	V
2	13.5424	-62.48	Pk	39	-23.2	11.8	0	-34.88	-13	-21.88	0-360	300	H
6	16.5704	-65.68	Pk	41.2	-18.3	11.8	0	-30.98	-13	-17.98	0-360	300	V
3	16.824	-65.56	Pk	41.6	-18.6	11.8	0	-30.76	-13	-17.76	0-360	199	H
1	5.55125	-53.71	Pk	34.4	-30.1	11.8	.4	-37.21	-13	-24.21	0-360	200	H
4	5.55125	-52.58	Pk	34.4	-30.1	11.8	.4	-36.08	-13	-23.08	0-360	300	V

Pk - Peak detector

GPRS High Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	13.516	-64.03	Pk	39	-22.8	11.8	0	-36.03	-13	-23.03	0-360	101	H
5	13.5336	-63.17	Pk	39	-23	11.8	0	-35.37	-13	-22.37	0-360	201	V
3	16.5392	-65.45	Pk	41.1	-17.9	11.8	0	-30.45	-13	-17.45	0-360	300	H
6	16.54	-65.74	Pk	41.1	-17.8	11.8	0	-30.64	-13	-17.64	0-360	101	V
1	5.55125	-50.83	Pk	34.4	-30.1	11.8	.4	-34.33	-13	-21.33	0-360	101	H
4	5.55125	-53	Pk	34.4	-30.1	11.8	.4	-36.5	-13	-23.5	0-360	299	V

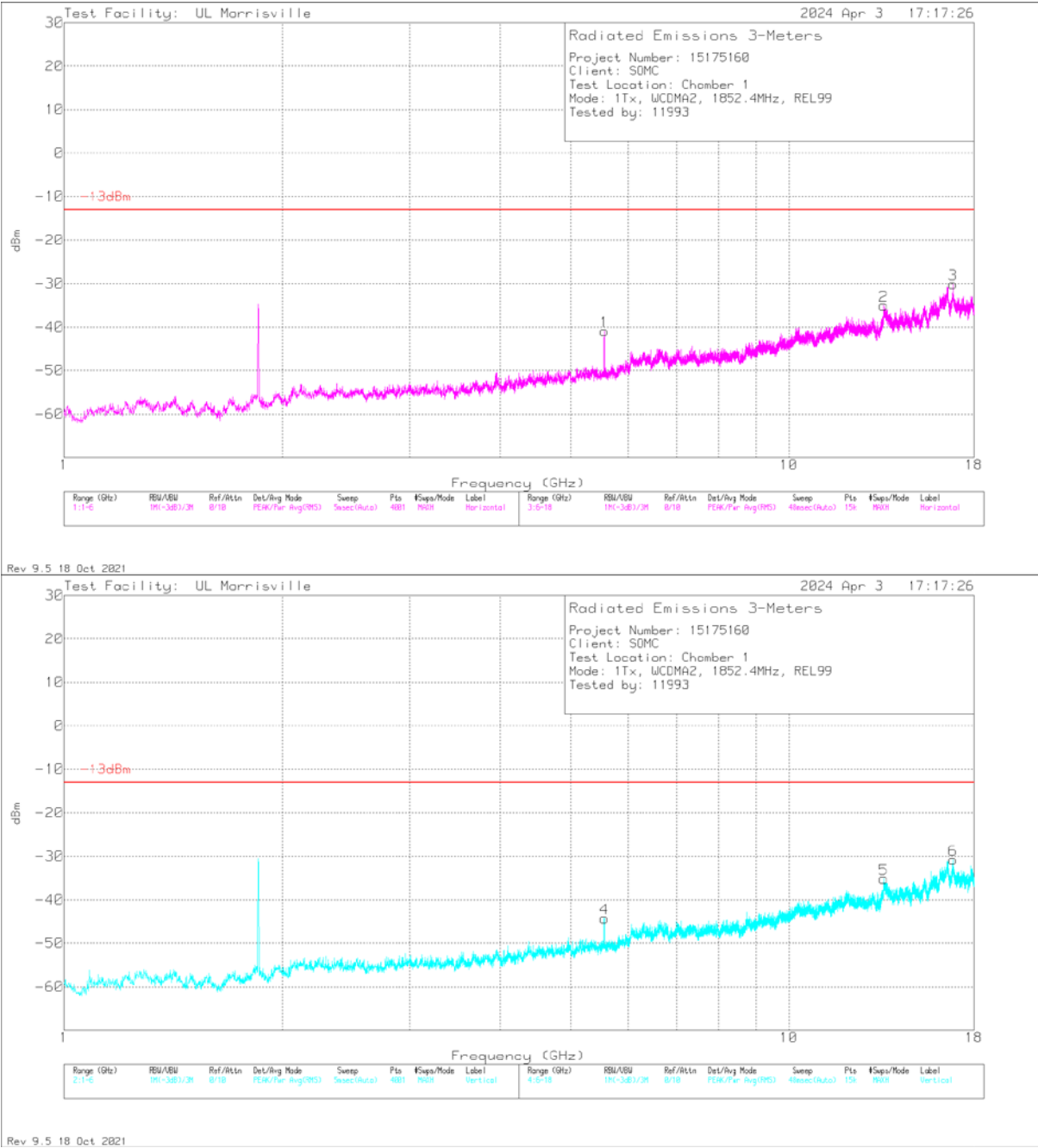
Pk - Peak detector

10.1.3. WCDMA2**LIMITS**

FCC: §24.238 (a)

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.

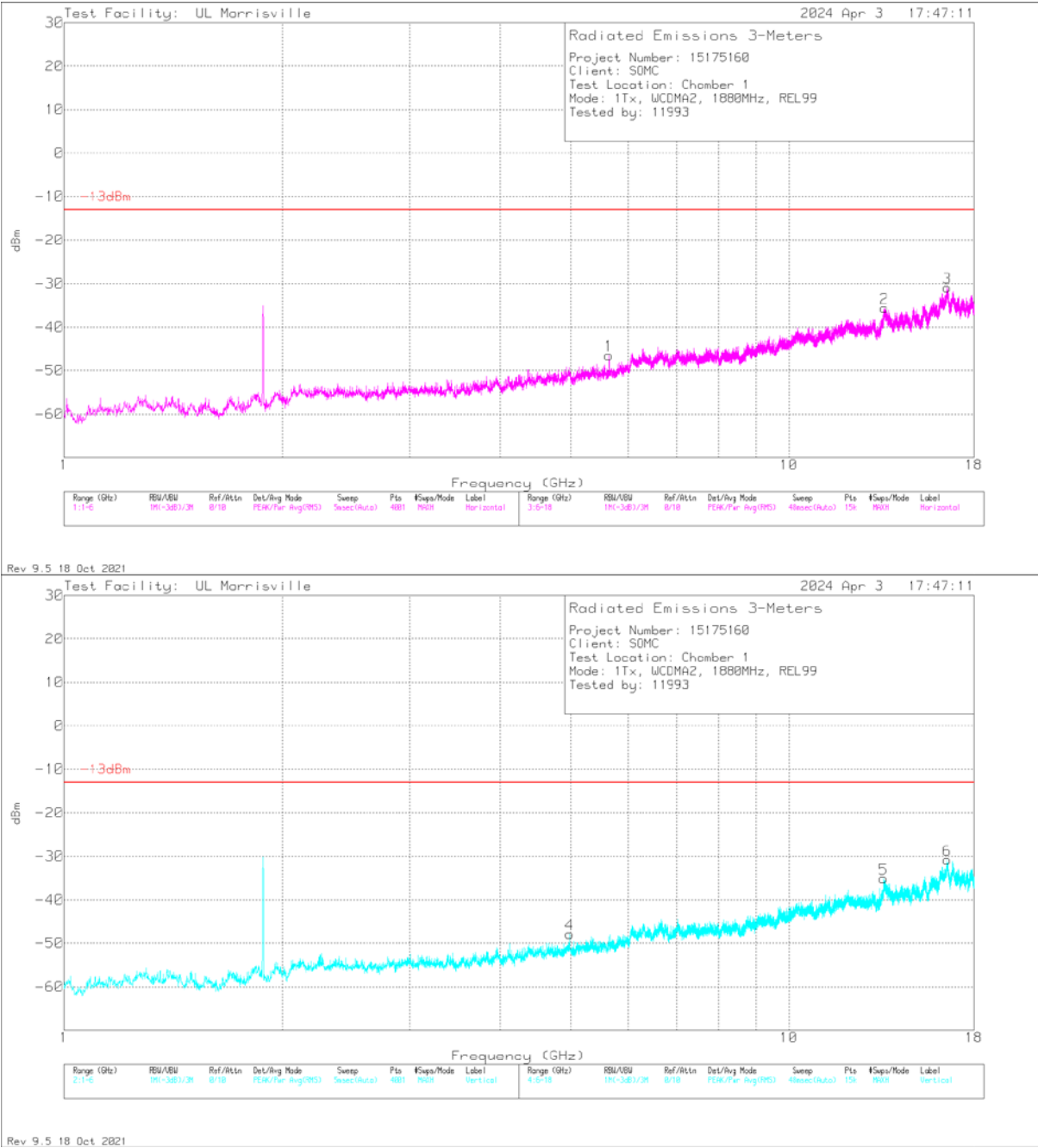
REL 99 Low Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
2	13.5096	-63.07	Pk	39	-22.8	11.8	0	-35.07	-13	-22.07	0-360	200	H
5	13.5112	-63.19	Pk	39	-22.8	11.8	0	-35.19	-13	-22.19	0-360	201	V
6	16.8488	-65.99	Pk	41.6	-18.2	11.8	0	-30.79	-13	-17.79	0-360	300	V
3	16.8576	-65.55	Pk	41.6	-18	11.8	0	-30.15	-13	-17.15	0-360	200	H
1	5.56	-57.02	Pk	34.4	-30.5	11.8	.4	-40.92	-13	-27.92	0-360	200	H
4	5.56125	-60.38	Pk	34.4	-30.5	11.8	.4	-44.28	-13	-31.28	0-360	201	V

Pk - Peak detector

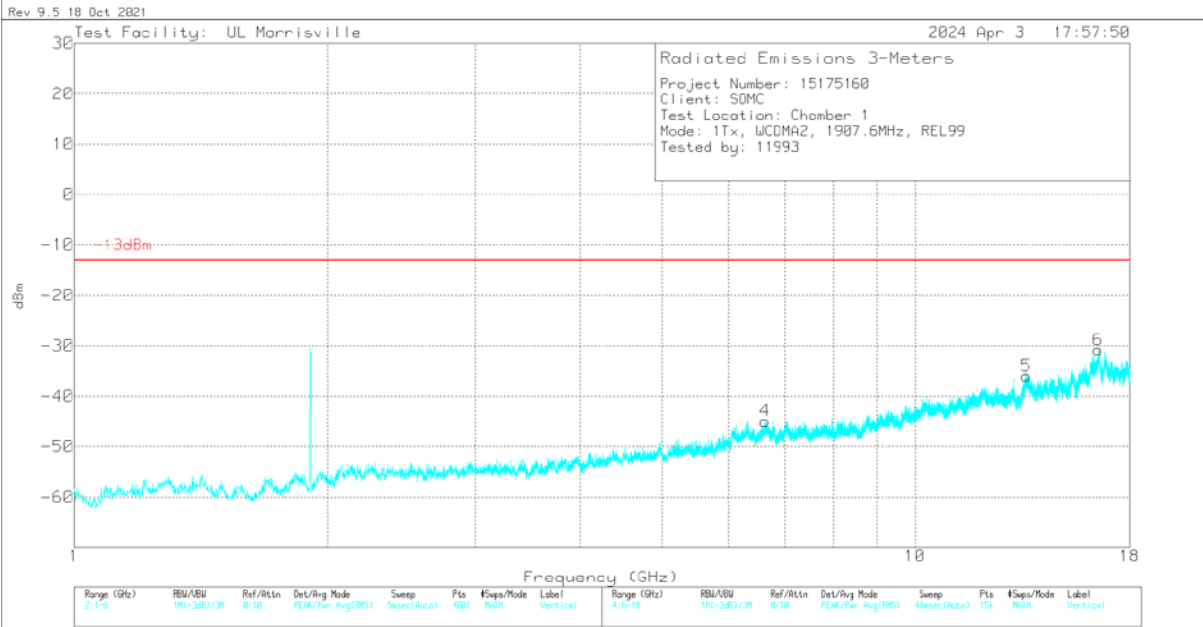
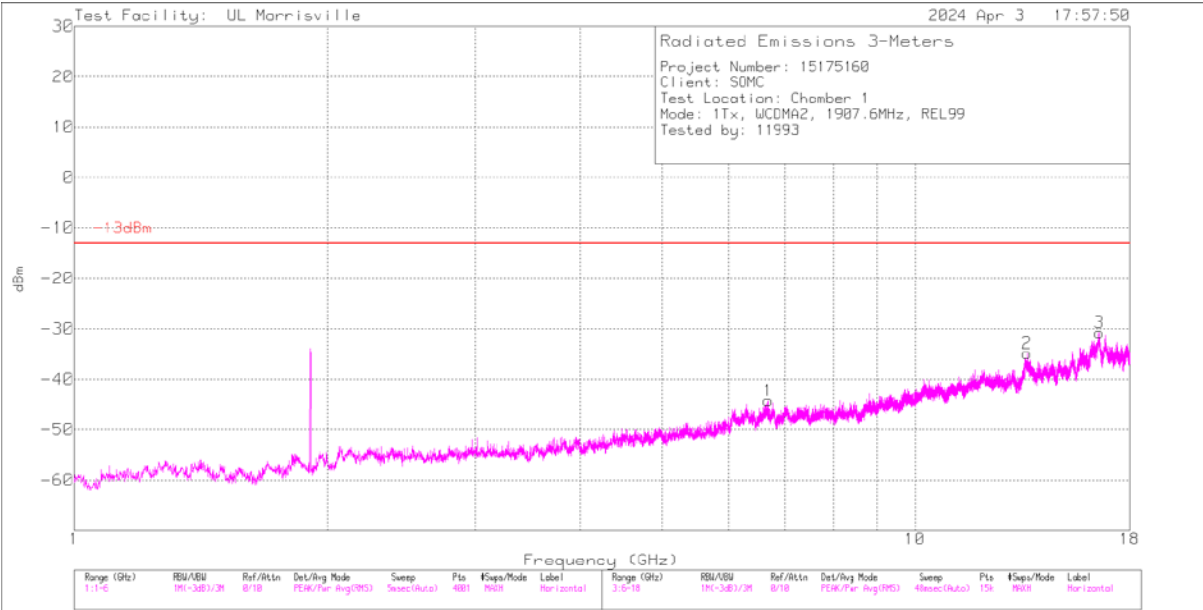
REL 99 Mid Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
5	13.5016	-63.01	Pk	39	-22.9	11.8	0	-35.11	-13	-22.11	0-360	201	V
2	13.5408	-63.3	Pk	39	-23.1	11.8	0	-35.6	-13	-22.6	0-360	101	H
3	16.5416	-65.99	Pk	41.1	-17.8	11.8	0	-30.89	-13	-17.89	0-360	200	H
6	16.5456	-65.69	Pk	41.1	-18	11.8	0	-30.79	-13	-17.79	0-360	299	V
4	4.98	-63.48	Pk	34.1	-30.7	11.8	.4	-47.88	-13	-34.88	0-360	101	V
1	5.64	-62.64	Pk	34.4	-30.4	11.8	.4	-46.44	-13	-33.44	0-360	200	H

Pk - Peak detector

REL 99 High Channel



Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	6.6344	-65.13	Pk	35.6	-27.2	11.8	-44.93	-13	-31.93	0-360	300	V
1	6.684	-64.33	Pk	35.6	-27.3	11.8	-44.23	-13	-31.23	0-360	101	H
5	13.5768	-62.97	Pk	39	-23.8	11.8	-35.97	-13	-22.97	0-360	101	V
2	13.5896	-61.35	Pk	38.9	-24.2	11.8	-34.85	-13	-21.85	0-360	101	H
6	16.5216	-65.6	Pk	41.1	-18.1	11.8	-30.8	-13	-17.8	0-360	200	V
3	16.5728	-65.37	Pk	41.2	-18.4	11.8	-30.77	-13	-17.77	0-360	300	H

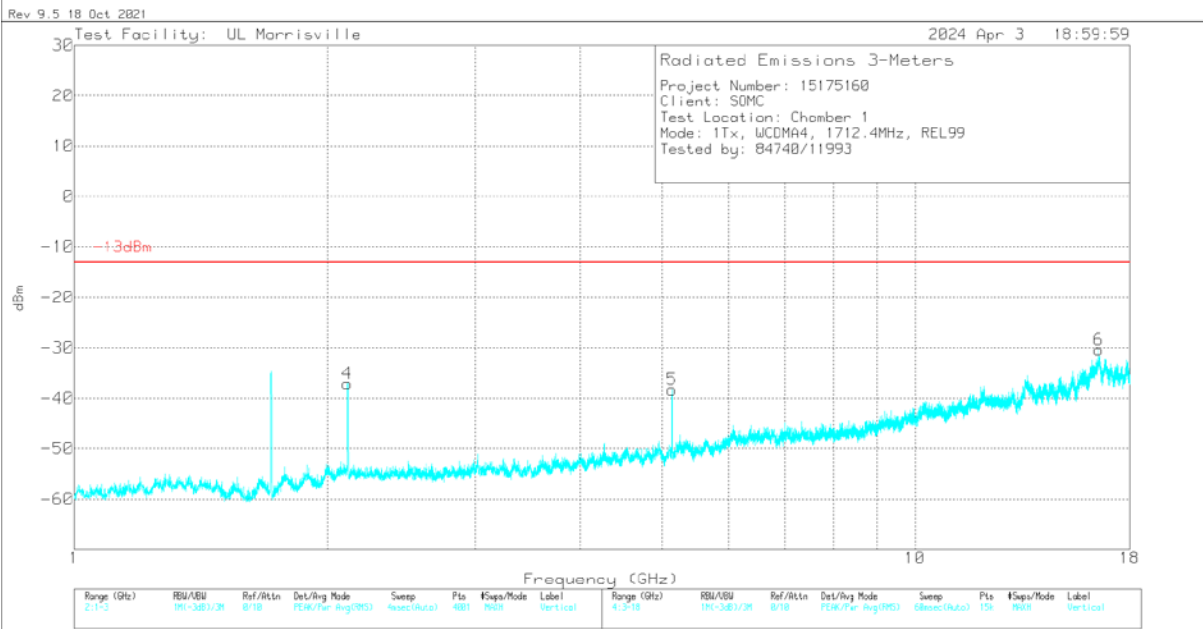
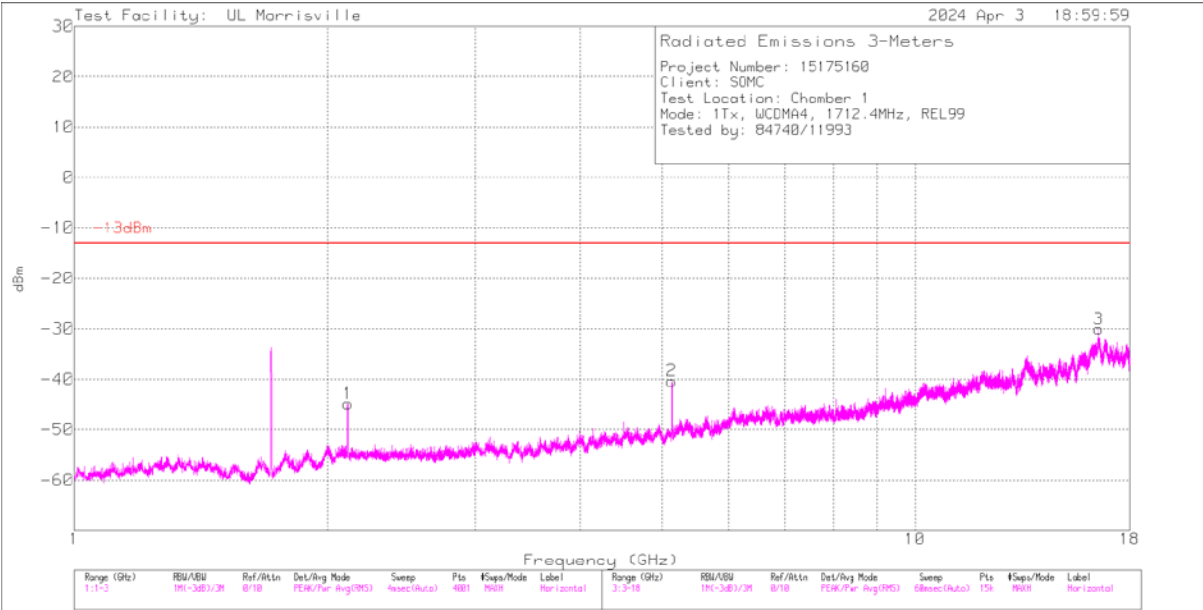
Pk - Peak detector

10.1.4. WCDMA4**LIMITS**

FCC: §27.53(h)

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.

REL 99 Low Channel

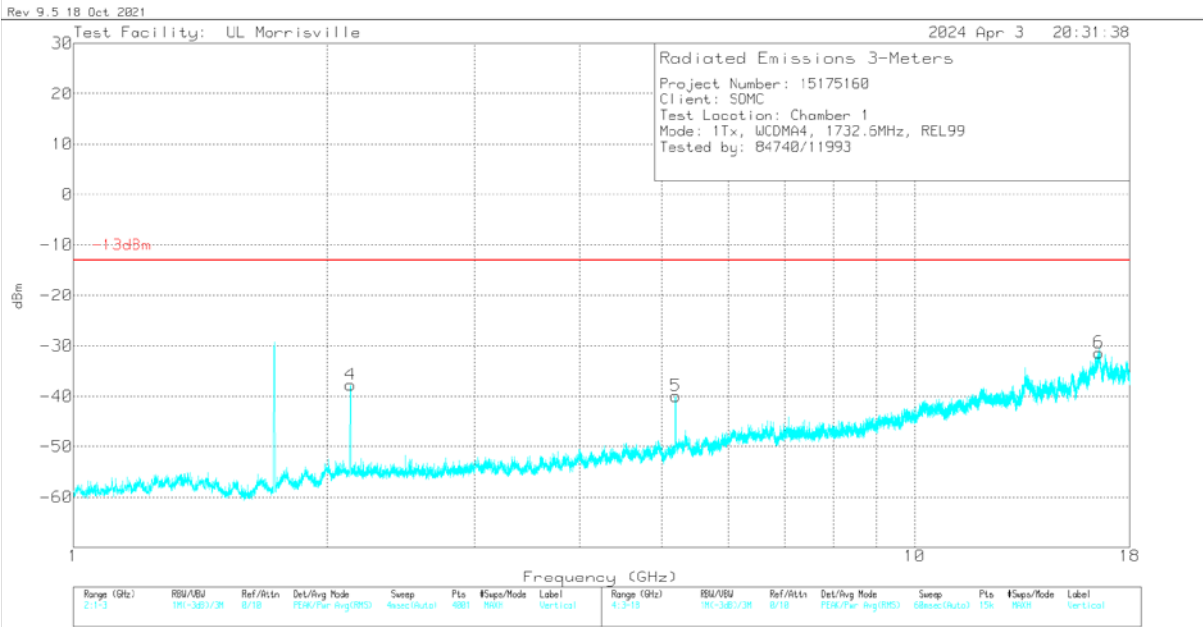
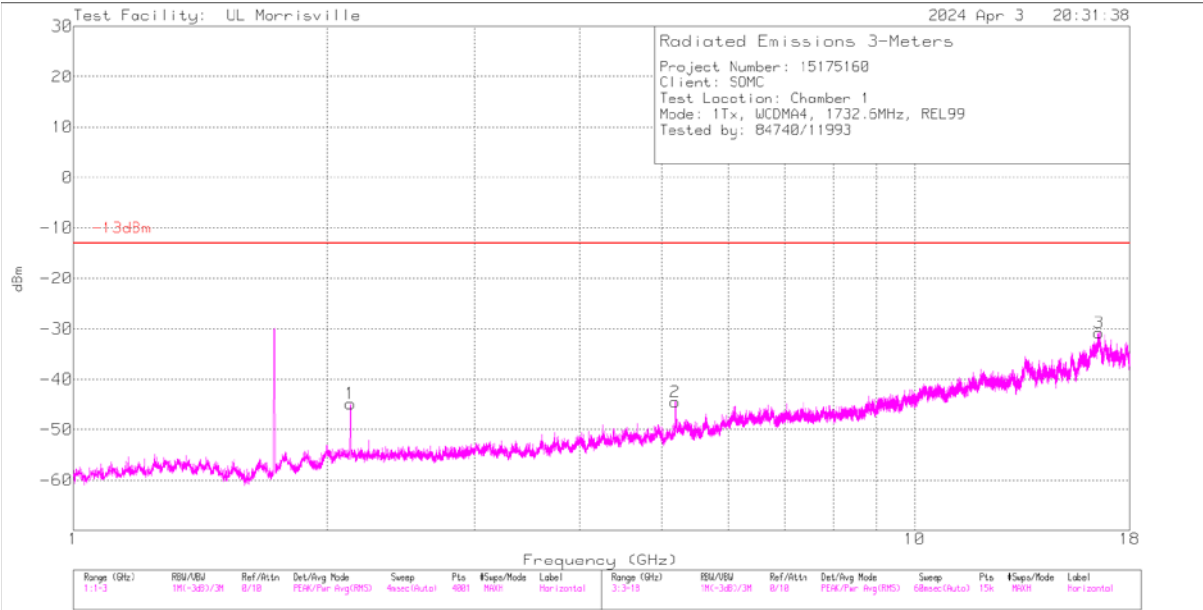


Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.1115	-47.7	Pk	31.6	-34.2	11.8	1.4	-37.1	-13	-24.1	0-360	300	V
1	2.114	-55.45	Pk	31.6	-34.2	11.8	1.4	-44.85	-13	-31.85	0-360	200	H
2	5.134	-55.81	Pk	34.3	-30.6	11.8	0	-40.31	-13	-27.31	0-360	101	H
5	5.139	-53.8	Pk	34.3	-30.6	11.8	0	-38.3	-13	-25.3	0-360	101	V
3	16.542	-65.15	Pk	41.1	-17.8	11.8	0	-30.05	-13	-17.05	0-360	300	H
6	16.543	-65.4	Pk	41.1	-17.9	11.8	0	-30.4	-13	-17.4	0-360	101	V

Pk - Peak detector

REL 99 Mid Channel

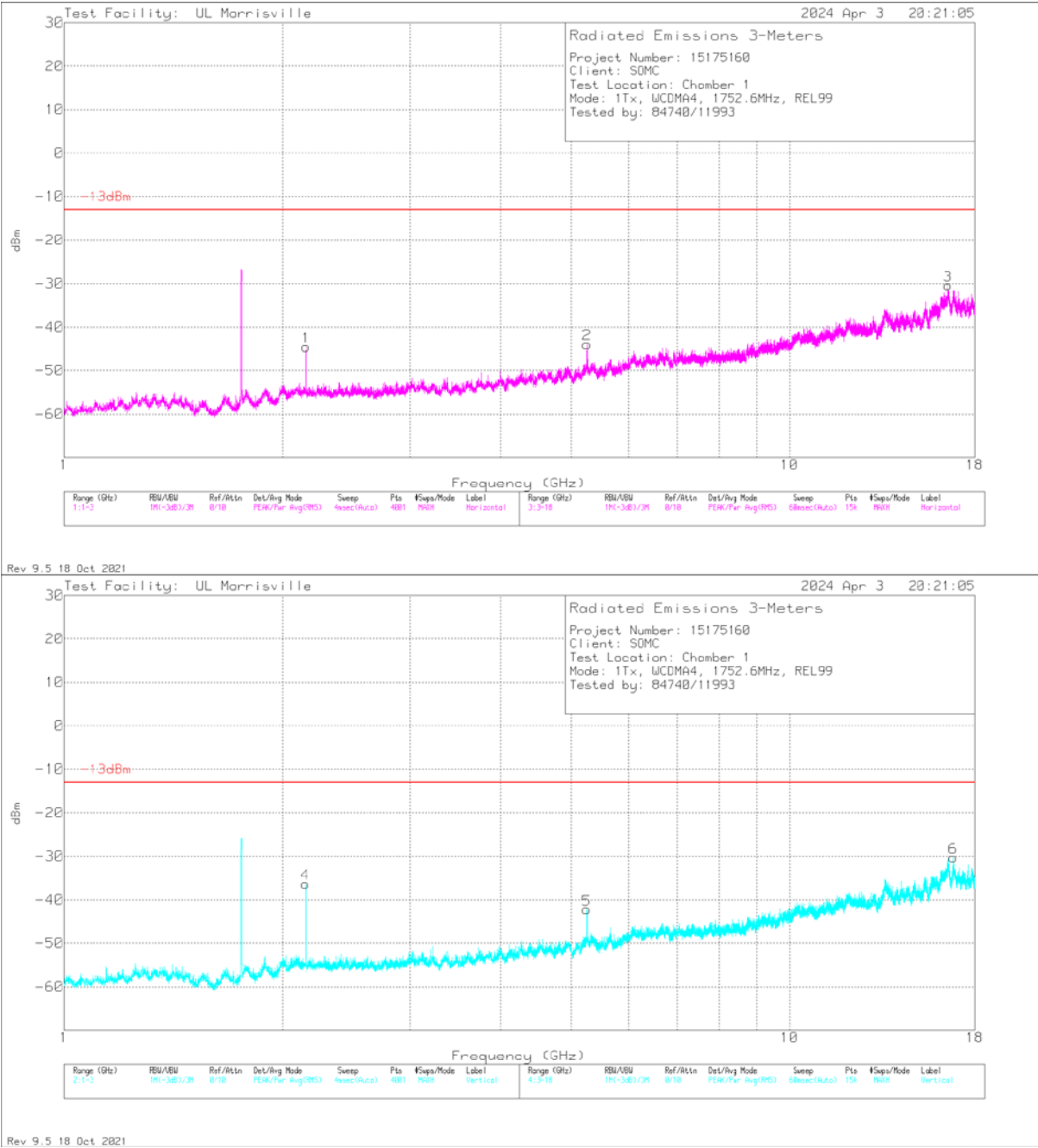


Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	2.134	-55.36	Pk	31.6	-34.2	11.8	1.3	-44.86	-13	-31.86	0-360	299	H
4	2.134	-48.2	Pk	31.6	-34.2	11.8	1.3	-37.7	-13	-24.7	0-360	299	V
2	5.194	-60.51	Pk	34.4	-30.2	11.8	0	-44.51	-13	-31.51	0-360	299	H
5	5.2	-56.11	Pk	34.4	-30	11.8	0	-39.91	-13	-26.91	0-360	201	V
6	16.54	-66.46	Pk	41.1	-17.8	11.8	0	-31.36	-13	-18.36	0-360	300	V
3	16.543	-65.81	Pk	41.1	-17.9	11.8	0	-30.81	-13	-17.81	0-360	199	H

Pk - Peak detector

REL 99 High Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	2.1515	-46.83	Pk	31.7	-34.2	11.8	1.2	-36.33	-13	-23.33	0-360	300	V
1	2.154	-55.02	Pk	31.7	-34.2	11.8	1.2	-44.52	-13	-31.52	0-360	300	H
5	5.254	-59.47	Pk	34.4	-29	11.8	0	-42.27	-13	-29.27	0-360	101	V
2	5.261	-61.33	Pk	34.4	-28.8	11.8	0	-43.93	-13	-30.93	0-360	101	H
3	16.534	-65.22	Pk	41.1	-18.1	11.8	0	-30.42	-13	-17.42	0-360	200	H
6	16.823	-65.09	Pk	41.6	-18.6	11.8	0	-30.29	-13	-17.29	0-360	200	V

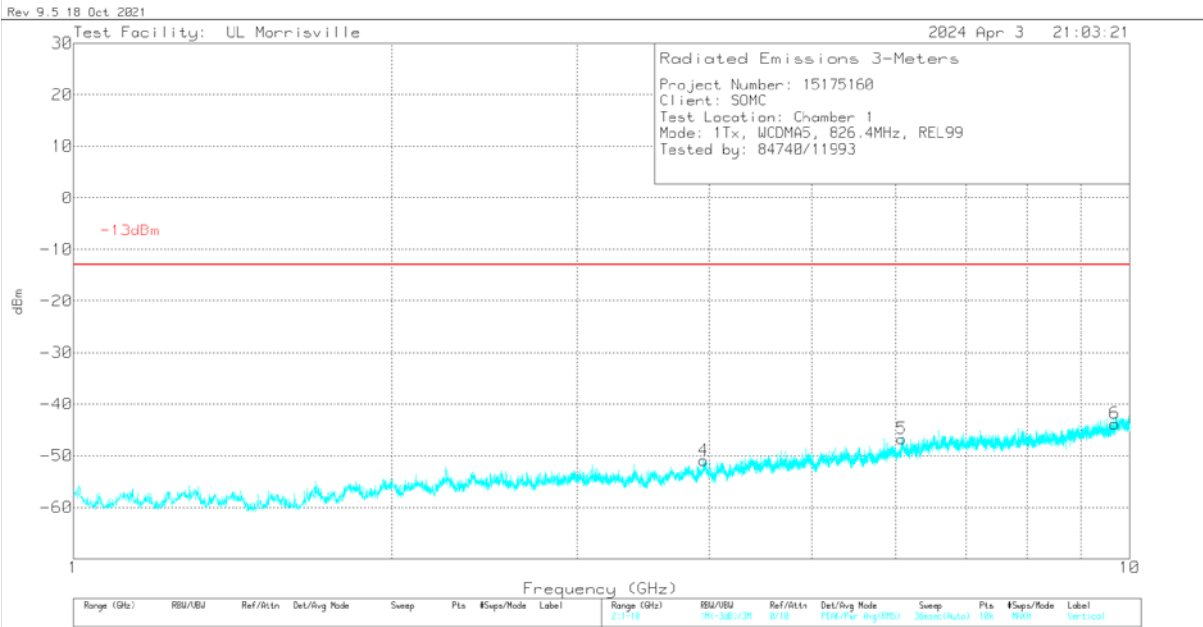
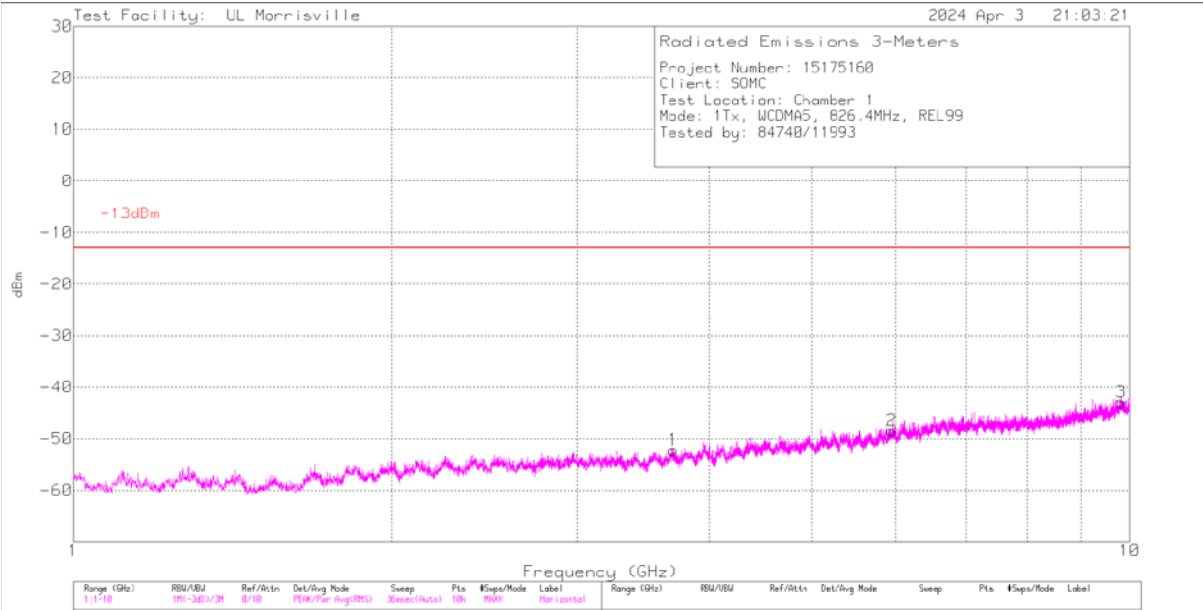
Pk - Peak detector

10.1.5. WCDMA5**LIMITS**

FCC: §22.917 (a)

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.

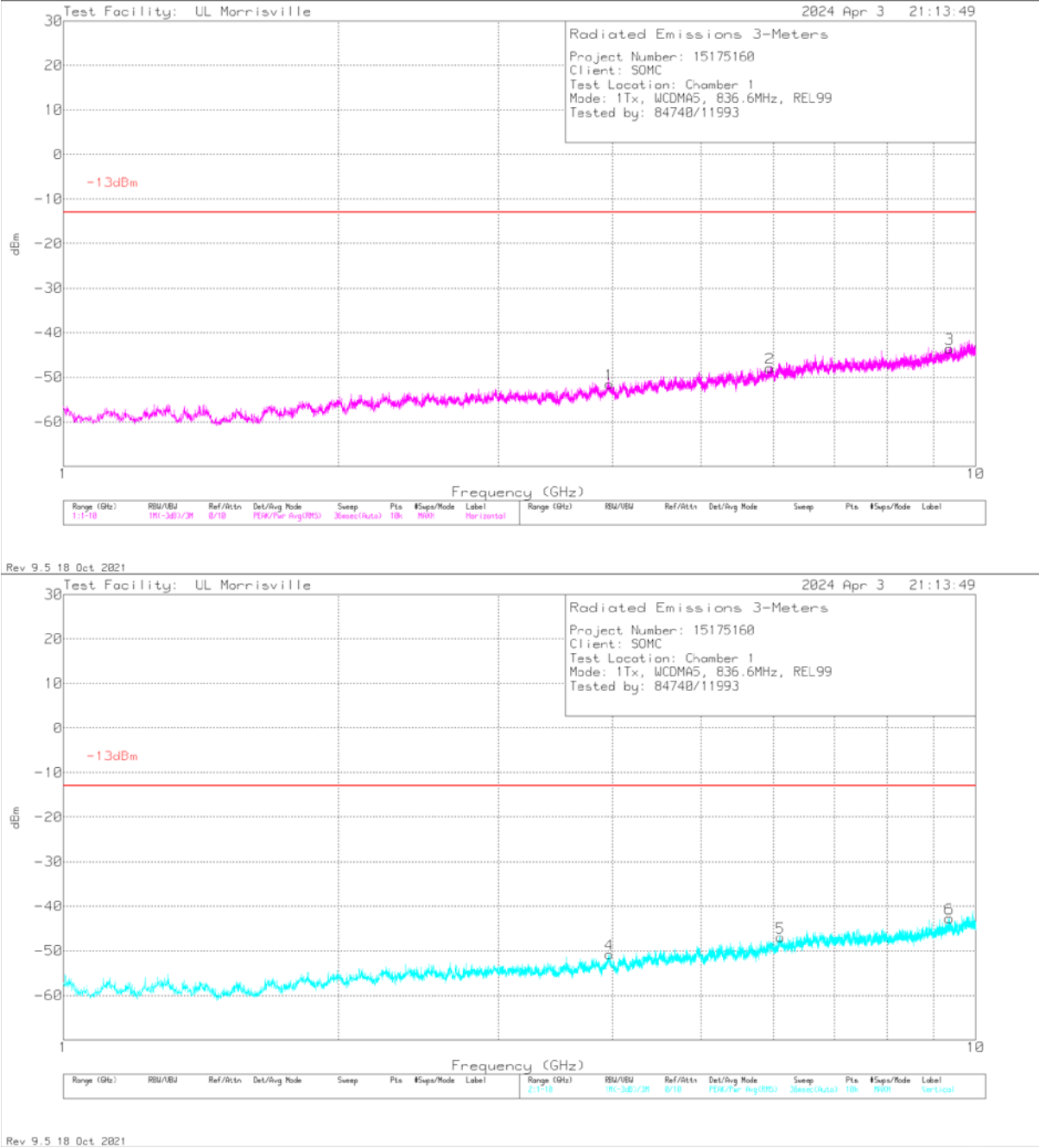
REL 99 Low Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.6973	-65.01	Pk	33.2	-32.6	.4	11.8	-52.21	-13	-39.21	0-360	101	H
4	3.9529	-64.6	Pk	33.4	-31.9	.4	11.8	-50.9	-13	-37.9	0-360	101	V
2	5.9554	-65.91	Pk	35.1	-29.8	.4	11.8	-48.41	-13	-35.41	0-360	101	H
5	6.0868	-65.09	Pk	35.3	-29	.3	11.8	-46.69	-13	-33.69	0-360	200	V
6	9.6841	-67.07	Pk	36.7	-25.9	.7	11.8	-43.77	-13	-30.77	0-360	300	V
3	9.8191	-67.52	Pk	37.1	-25.1	.8	11.8	-42.92	-13	-29.92	0-360	299	H

Pk - Peak detector

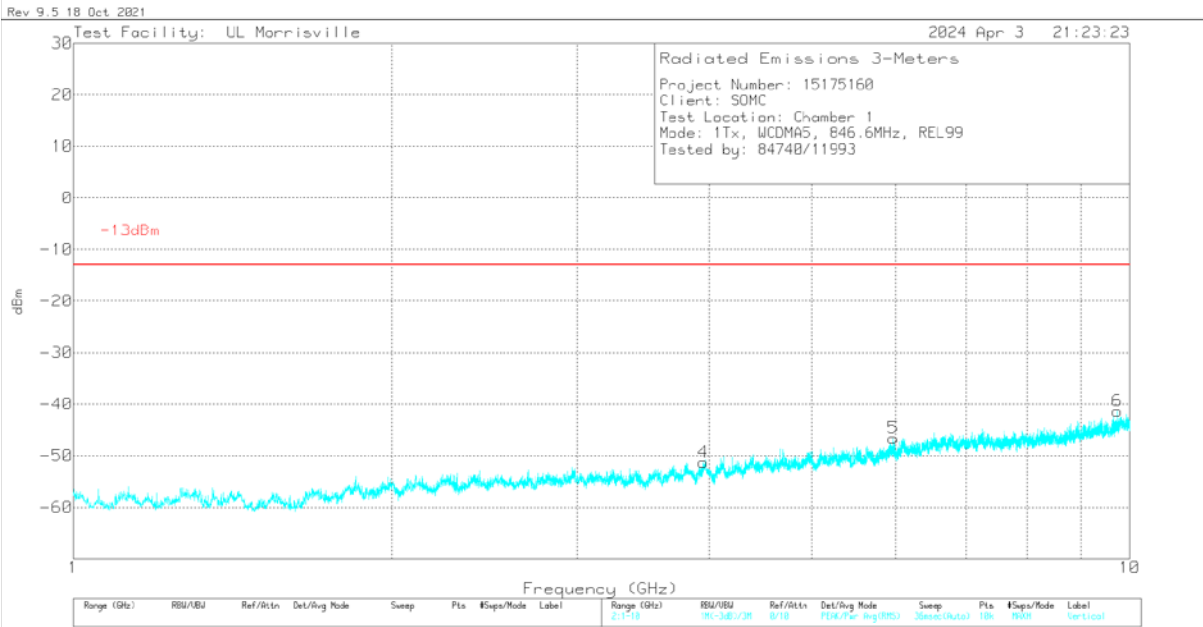
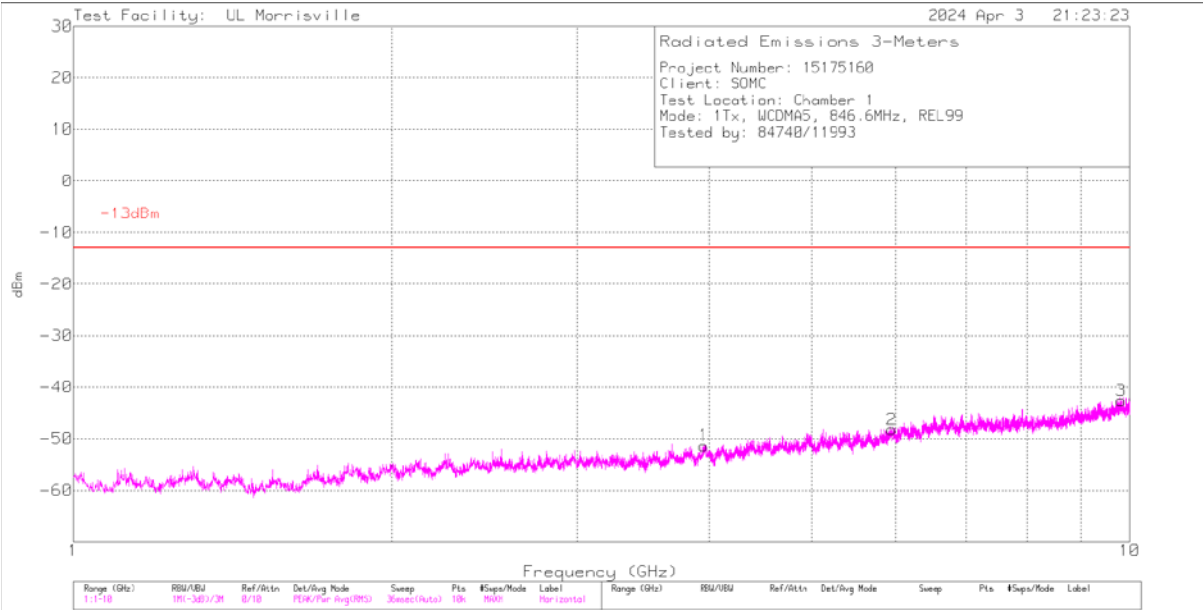
REL 99 Mid Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	3.9664	-65.3	Pk	33.4	-31.8	.4	11.8	-51.5	-13	-38.5	0-360	101	H
4	3.9682	-64.49	Pk	33.4	-31.9	.4	11.8	-50.79	-13	-37.79	0-360	300	V
2	5.95	-65.62	Pk	35.1	-29.6	.4	11.8	-47.92	-13	-34.92	0-360	300	H
5	6.1102	-65.49	Pk	35.3	-28.9	.3	11.8	-46.99	-13	-33.99	0-360	300	V
6	9.3547	-65.29	Pk	36.3	-25.8	.3	11.8	-42.69	-13	-29.69	0-360	101	V
3	9.3646	-65.95	Pk	36.3	-26	.3	11.8	-43.55	-13	-30.55	0-360	300	H

Pk - Peak detector

REL 99 High Channel



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	3.9484	-64.97	Pk	33.4	-31.9	.4	11.8	-51.27	-13	-38.27	0-360	300	V
1	3.952	-65.06	Pk	33.4	-31.9	.4	11.8	-51.36	-13	-38.36	0-360	300	H
2	5.9518	-65.83	Pk	35.1	-29.7	.4	11.8	-48.23	-13	-35.23	0-360	300	H
5	5.9734	-64.27	Pk	35.2	-29.6	.3	11.8	-46.57	-13	-33.57	0-360	200	V
6	9.739	-65.34	Pk	36.9	-25.3	.6	11.8	-41.34	-13	-28.34	0-360	300	V
3	9.8245	-67.31	Pk	37.1	-25	.8	11.8	-42.61	-13	-29.61	0-360	300	H

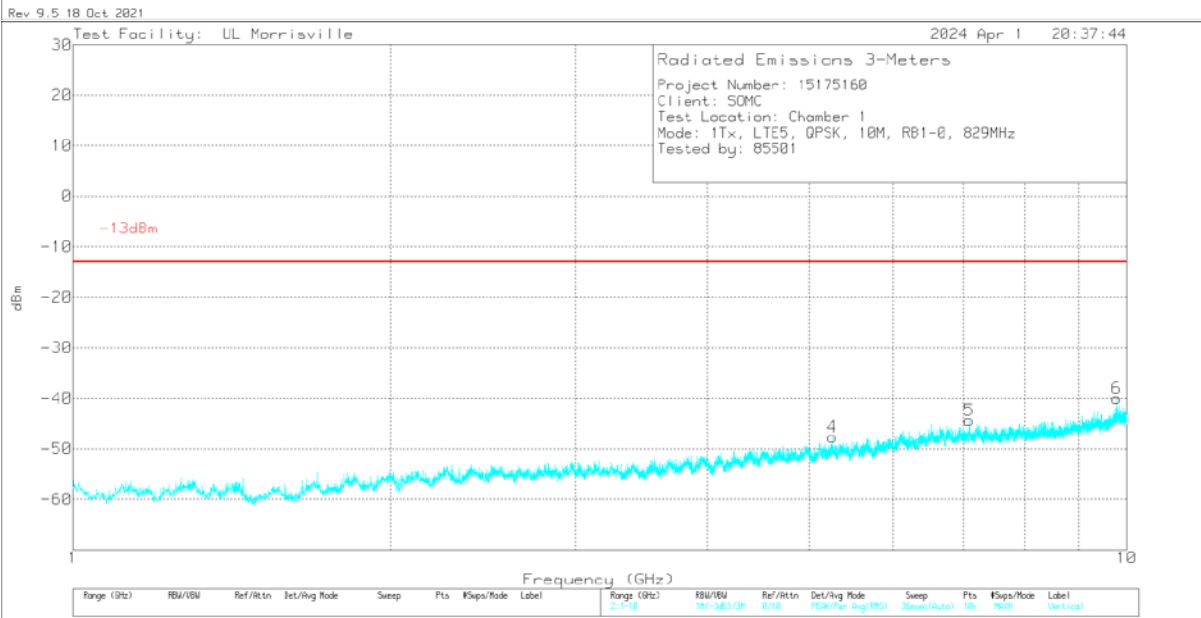
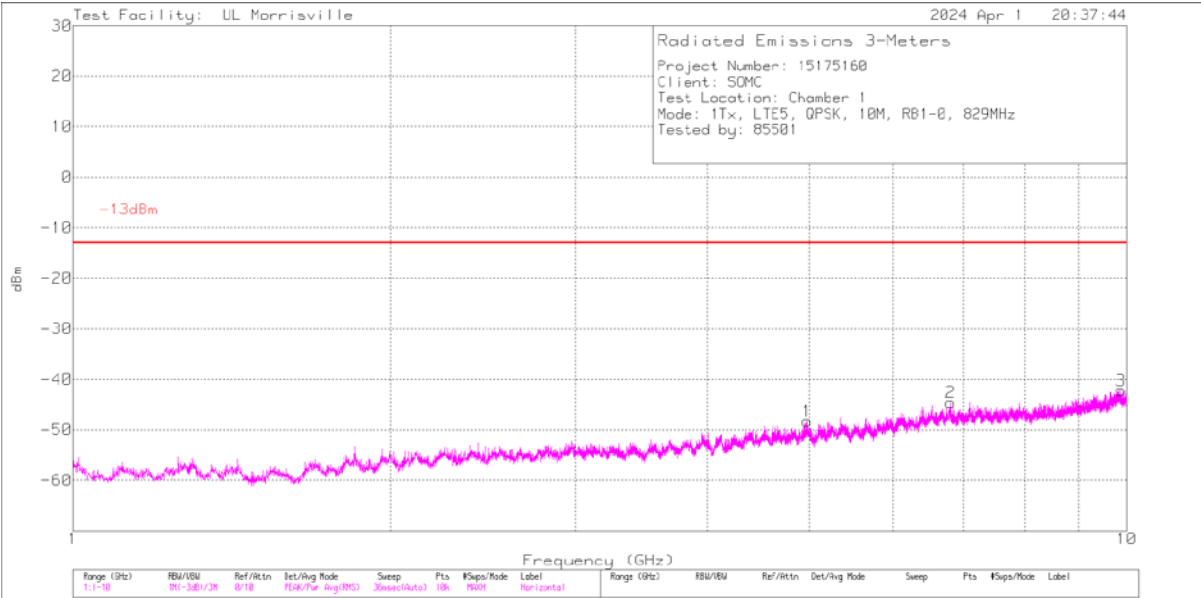
Pk - Peak detector

10.1.6. LTE BAND 5**LIMITS**

FCC: §22.917 (a)

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.

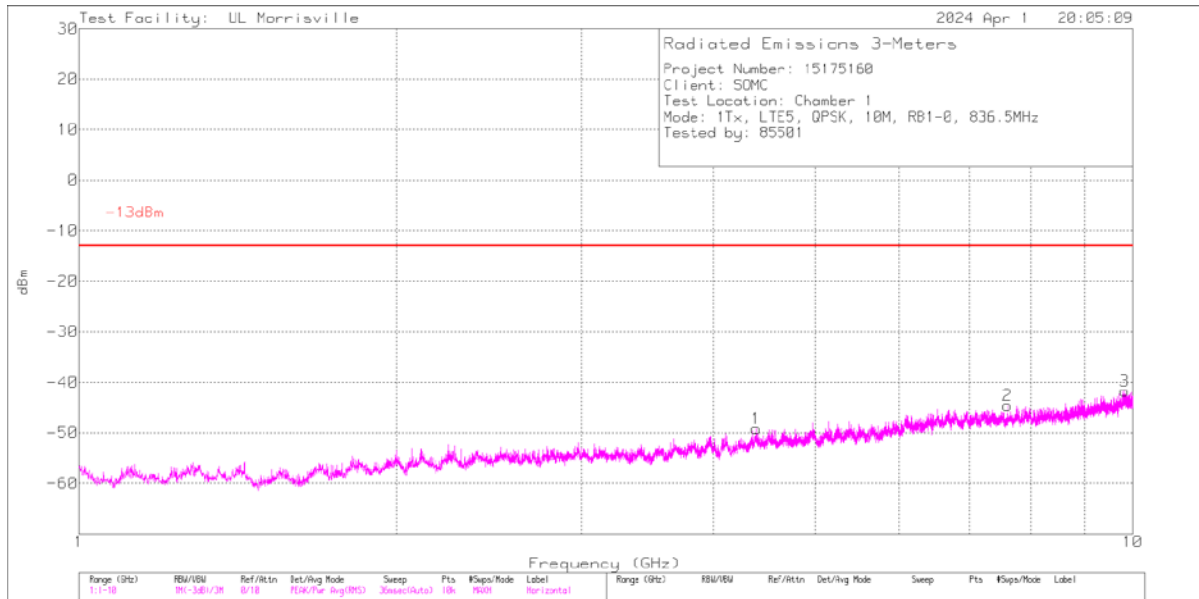
QPSK LTE5 (10MHz, Low Channel)



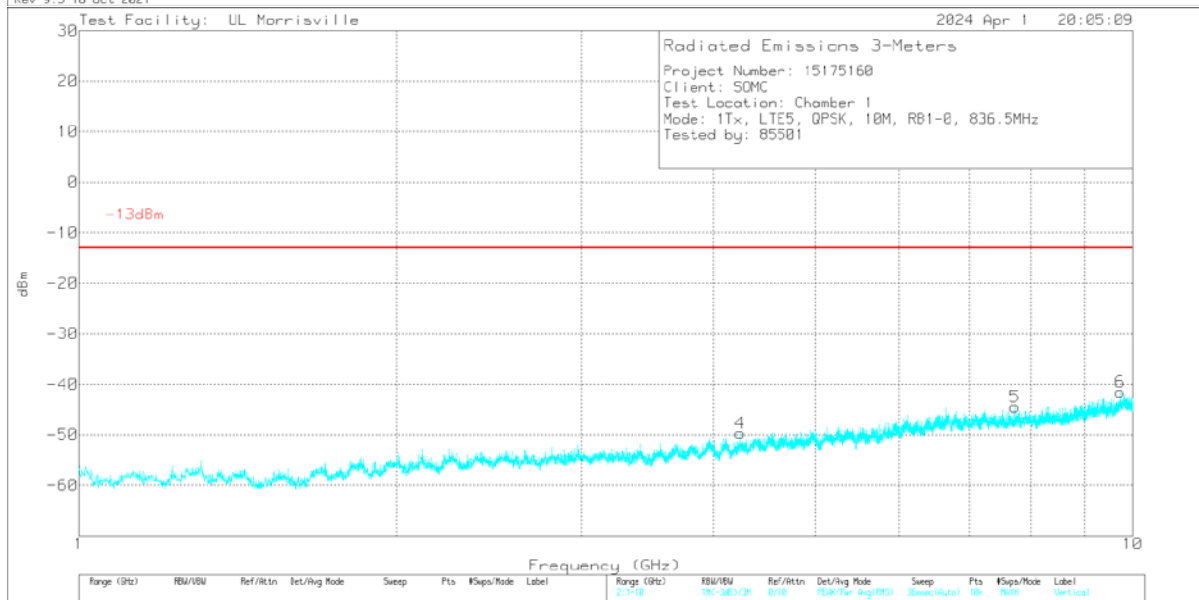
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.9735	-63.93	Pk	34	-30.5	.3	11.8	-48.33	-13	-35.33	0-360	101	H
4	5.2561	-63.63	Pk	34.4	-30.5	.3	11.8	-47.63	-13	-34.63	0-360	200	V
2	6.8104	-64.33	Pk	35.6	-28.2	.5	11.8	-44.63	-13	-31.63	0-360	300	H
5	7.0822	-64.56	Pk	35.6	-27.8	.6	11.8	-44.36	-13	-31.36	0-360	101	V
6	9.7858	-63.97	Pk	37	-25.4	.6	11.8	-39.97	-13	-26.97	0-360	101	V
3	9.8713	-66.48	Pk	37.1	-25.3	.6	11.8	-42.28	-13	-29.28	0-360	101	H

PK - Peak detector

QPSK LTE5 (10MHz, Mid Channel)



Rev 9.5 18 Oct 2021

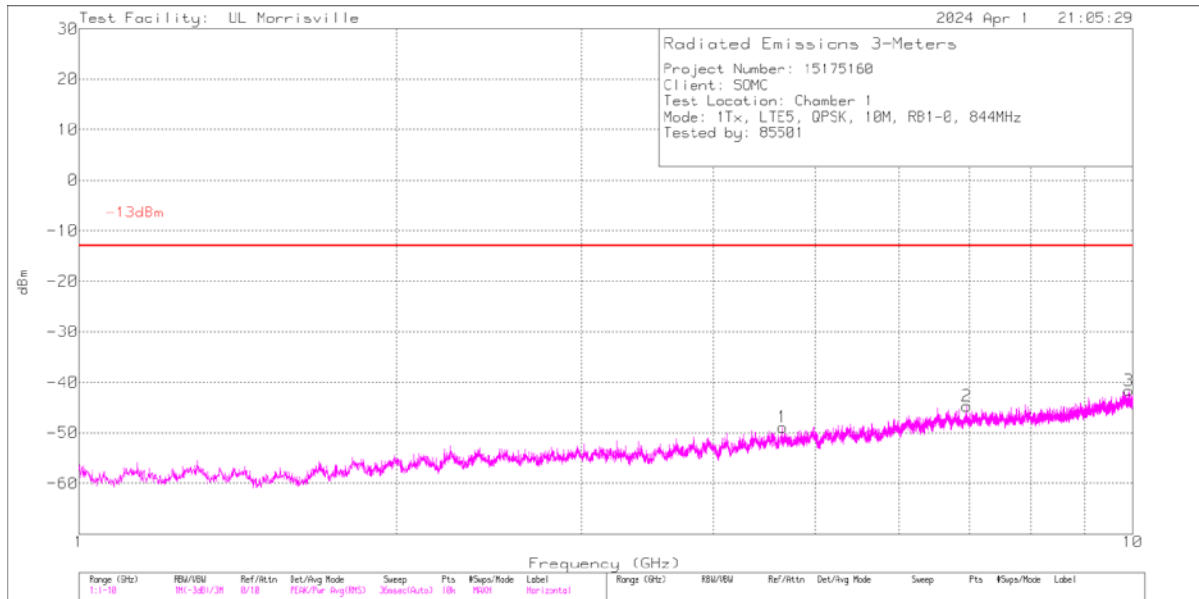


Rev 9.5 18 Oct 2021

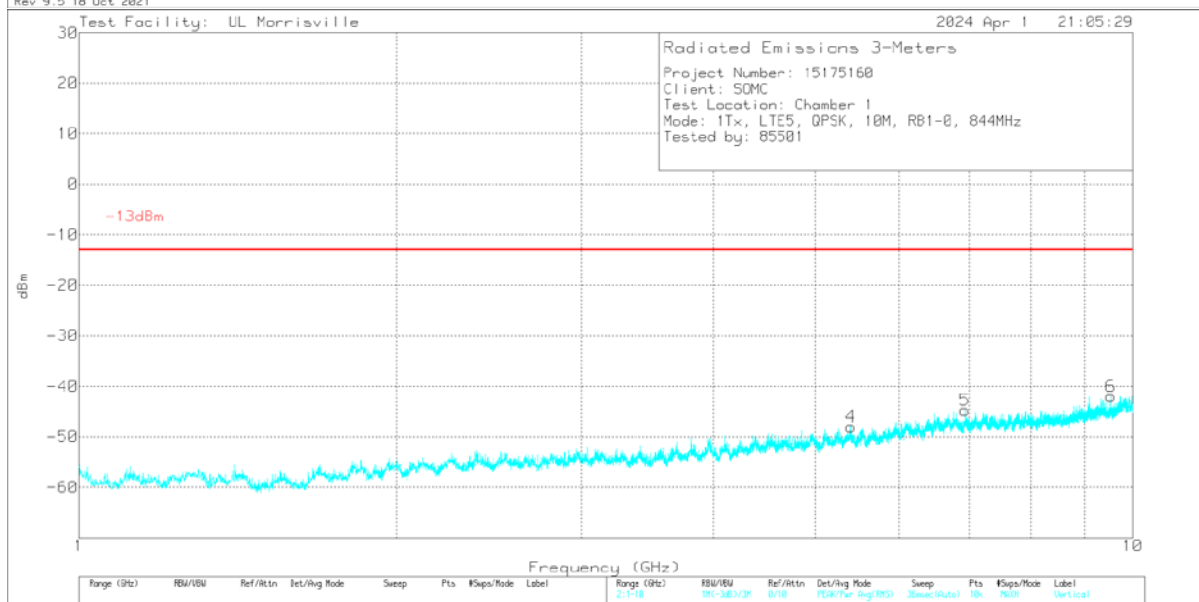
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	4.24	-63.64	Pk	33.4	-31.5	.3	11.8	-49.64	-13	-36.64	0-360	300	V
1	4.3948	-63.63	Pk	33.7	-31.3	.3	11.8	-49.13	-13	-36.13	0-360	101	H
2	7.6078	-65.14	Pk	35.7	-27.2	.3	11.8	-44.54	-13	-31.54	0-360	200	H
5	7.7284	-65.4	Pk	35.8	-27.1	.4	11.8	-44.5	-13	-31.5	0-360	300	V
6	9.7264	-65.74	Pk	36.8	-25	.6	11.8	-41.54	-13	-28.54	0-360	200	V
3	9.8263	-66.5	Pk	37.1	-24.9	.8	11.8	-41.7	-13	-28.7	0-360	101	H

PK - Peak detector

QPSK LTE5 (10MHz, High Channel)



Rev 9.5 18 Oct 2021



Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.6549	-63.67	Pk	34.2	-31.5	.3	11.8	-48.87	-13	-35.87	0-360	299	H
4	5.4055	-64.3	Pk	34.5	-30.3	.3	11.8	-48	-13	-35	0-360	300	V
5	6.9274	-64.77	Pk	35.6	-27.9	.6	11.8	-44.67	-13	-31.67	0-360	300	V
2	6.9571	-64.85	Pk	35.6	-27.8	.6	11.8	-44.65	-13	-31.65	0-360	101	H
6	9.5311	-65.56	Pk	36.6	-25.3	.5	11.8	-41.96	-13	-28.96	0-360	300	V
3	9.9208	-66.26	Pk	37.3	-25.2	.7	11.8	-41.66	-13	-28.66	0-360	299	H

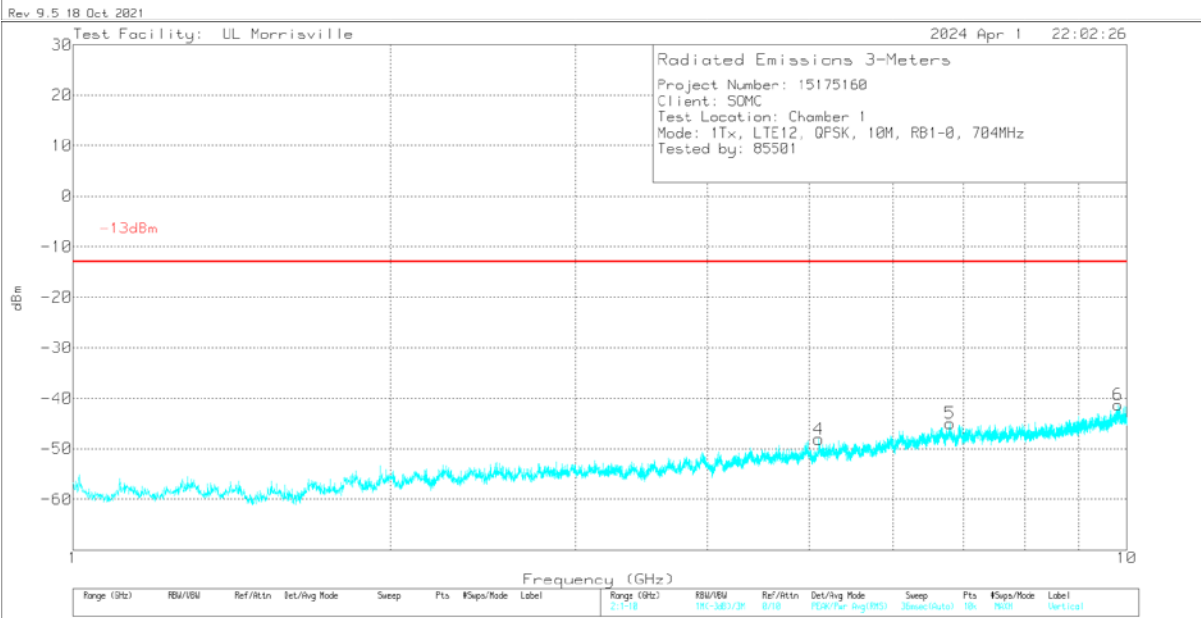
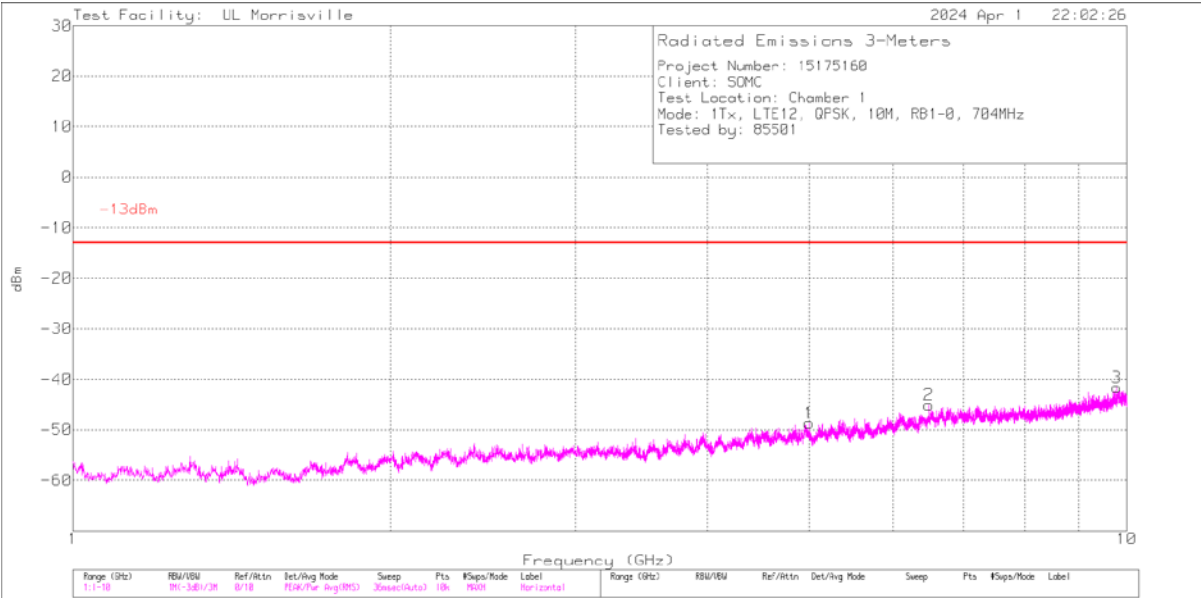
PK - Peak detector

10.1.7. LTE BAND 12**LIMITS**

FCC: §27.53 (g)

The power of any emission outside of the authorized operating frequency ranges must be attenuated below the transmitting power (P) by a factor of at least $43 + 10 \log (P)$ dB.

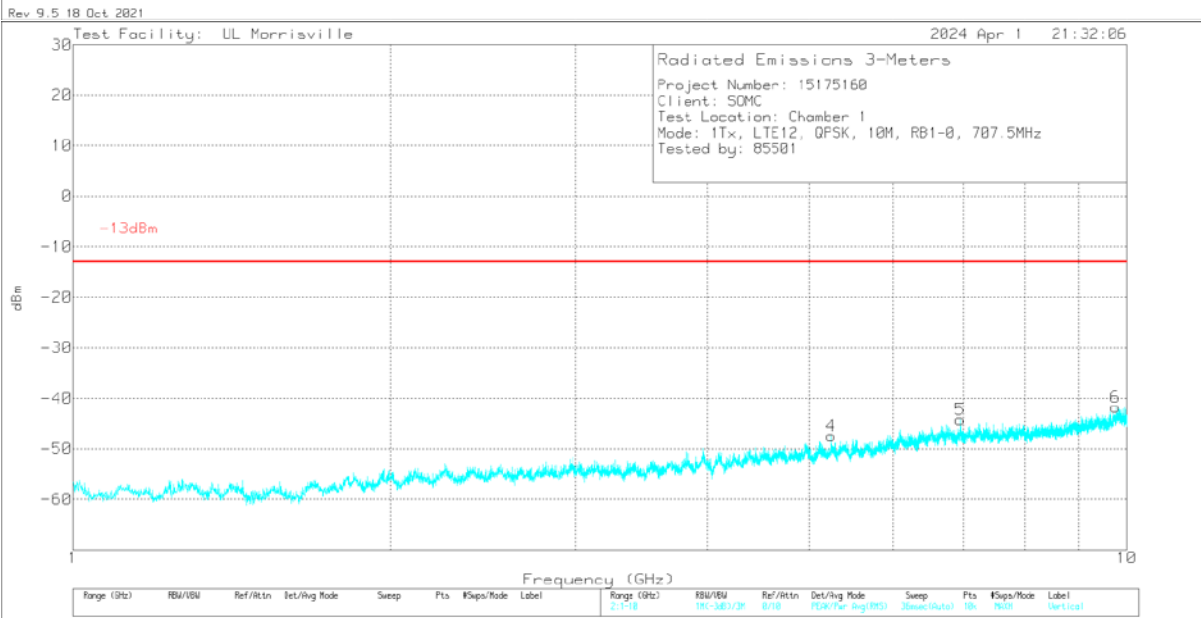
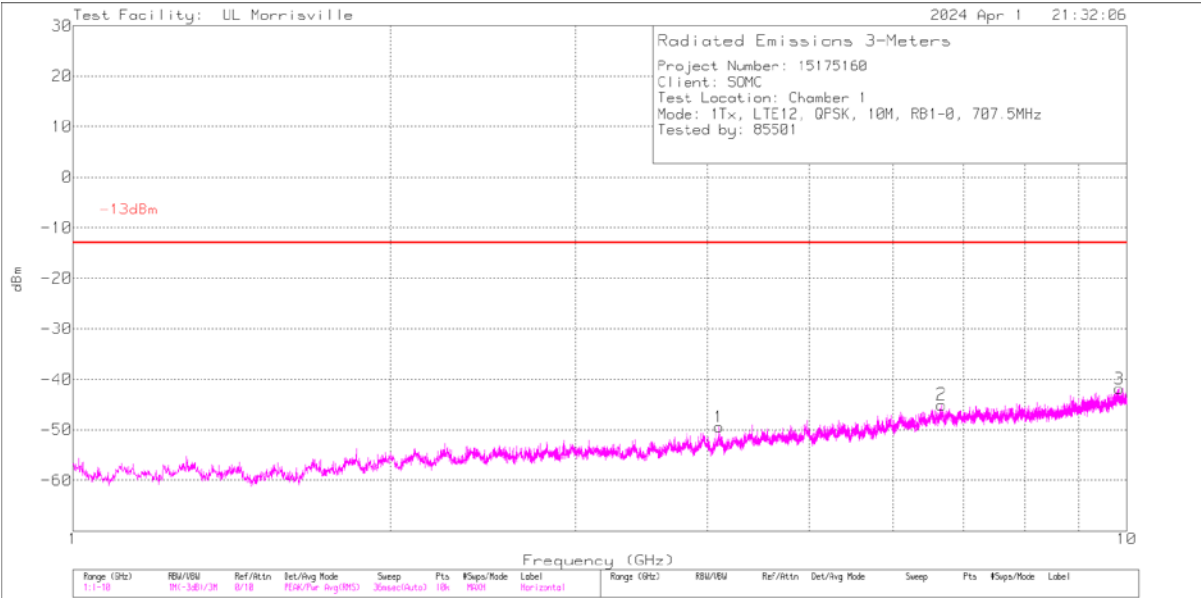
QPSK LTE12 (10MHz, Low Channel)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.9987	-63.67	Pk	34.1	-31.2	.3	11.8	-48.67	-13	-35.67	0-360	101	H
4	5.1022	-63.72	Pk	34.2	-30.8	.4	11.8	-48.12	-13	-35.12	0-360	200	V
2	6.4927	-64.44	Pk	35.5	-28.3	.4	11.8	-45.04	-13	-32.04	0-360	101	H
5	6.7942	-64.79	Pk	35.6	-28.1	.5	11.8	-44.99	-13	-31.99	0-360	101	V
3	9.7876	-65.84	Pk	37	-25.2	.6	11.8	-41.64	-13	-28.64	0-360	199	H
6	9.8155	-65.69	Pk	37.1	-25.2	.7	11.8	-41.29	-13	-28.29	0-360	200	V

PK - Peak detector

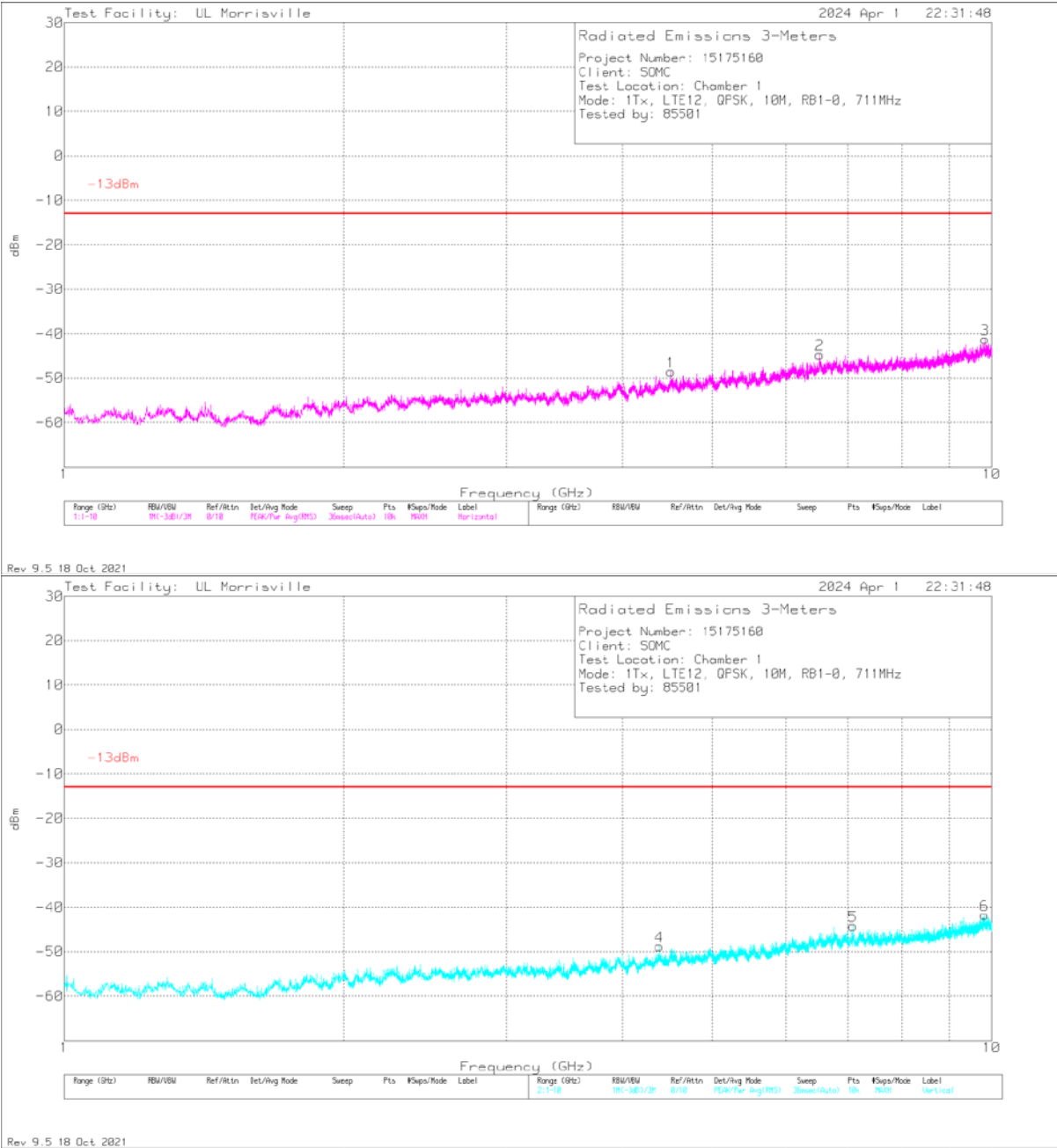
QPSK LTE12 (10MHz, Mid Channel)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.1014	-63.27	Pk	33.4	-31.7	.4	11.8	-49.37	-13	-36.37	0-360	199	H
4	5.2444	-63.43	Pk	34.4	-30.6	.4	11.8	-47.43	-13	-34.43	0-360	299	V
2	6.6691	-64.42	Pk	35.6	-28.5	.5	11.8	-45.02	-13	-32.02	0-360	199	H
5	6.9463	-64.46	Pk	35.6	-27.7	.6	11.8	-44.16	-13	-31.16	0-360	299	V
6	9.757	-65.29	Pk	36.9	-25.6	.5	11.8	-41.69	-13	-28.69	0-360	101	V
3	9.8362	-66.47	Pk	37.1	-25	.7	11.8	-41.87	-13	-28.87	0-360	299	H

PK - Peak detector

QPSK LTE12 (10MHz, High Channel)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	4.3822	-63.39	Pk	33.6	-31.1	.3	11.8	-48.79	-13	-35.79	0-360	300	V
1	4.5091	-63.2	Pk	34	-31.5	.3	11.8	-48.6	-13	-35.6	0-360	101	H
2	6.5269	-64.05	Pk	35.6	-28.4	.4	11.8	-44.65	-13	-31.65	0-360	199	H
5	7.0831	-64.48	Pk	35.6	-27.7	.6	11.8	-44.18	-13	-31.18	0-360	200	V
6	9.8245	-66.46	Pk	37.1	-25	.8	11.8	-41.76	-13	-28.76	0-360	300	V
3	9.8353	-65.84	Pk	37.1	-25	.7	11.8	-41.24	-13	-28.24	0-360	101	H

PK - Peak detector

10.1.8. LTE BAND 13**LIMITS**

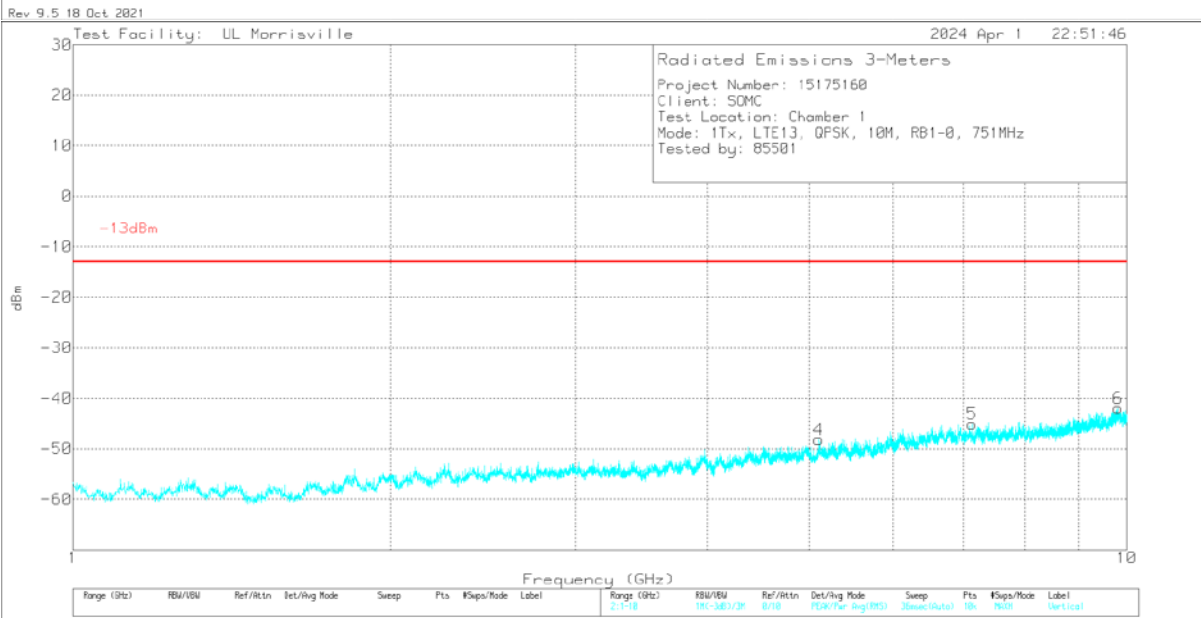
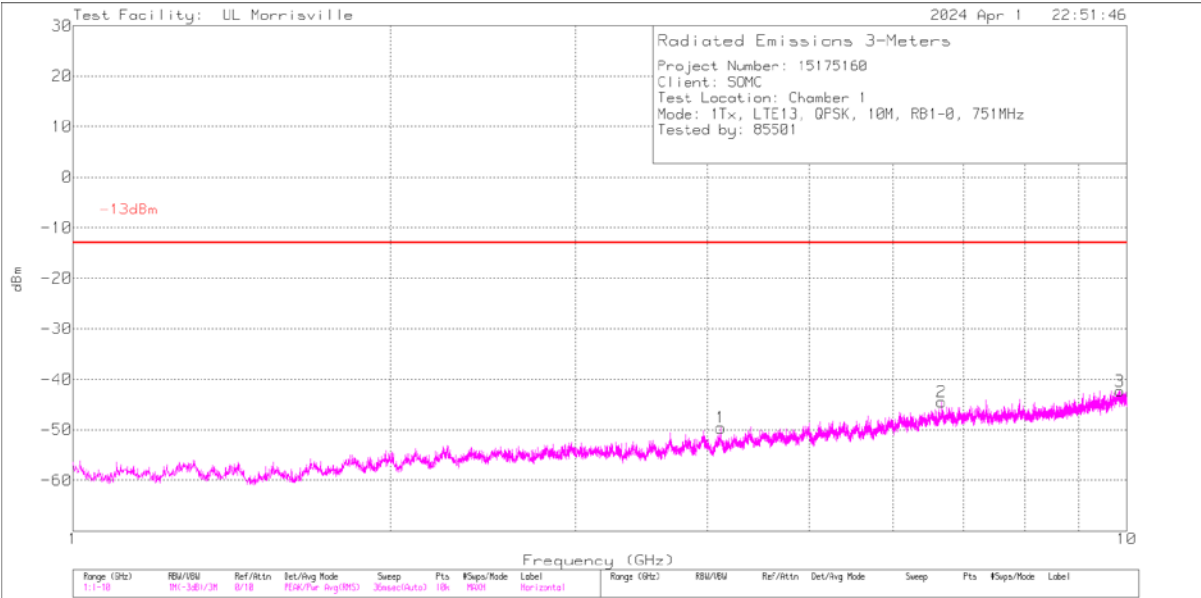
FCC: §27.53

(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, and -80 dBW EIRP for discrete emissions of less than 700 Hz bandwidth.

Note: No Emissions in the GPS band (1559 – 1610) MHz were observed.

QPSK LTE13 (10MHz, Mid Channel)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	Filter (dB)	CF (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	4.1221	-63.51	Pk	33.3	-31.5	.3	11.8	-49.61	-13	-36.61	0-360	101	H
4	5.1022	-63.82	Pk	34.2	-30.8	.4	11.8	-48.22	-13	-35.22	0-360	200	V
2	6.6691	-63.9	Pk	35.6	-28.5	.5	11.8	-44.5	-13	-31.5	0-360	199	H
5	7.1344	-65.37	Pk	35.6	-27.7	.6	11.8	-45.07	-13	-32.07	0-360	200	V
6	9.8146	-66.27	Pk	37.1	-25.3	.7	11.8	-41.97	-13	-28.97	0-360	200	V
3	9.8452	-66.52	Pk	37.1	-25.4	.7	11.8	-42.32	-13	-29.32	0-360	199	H

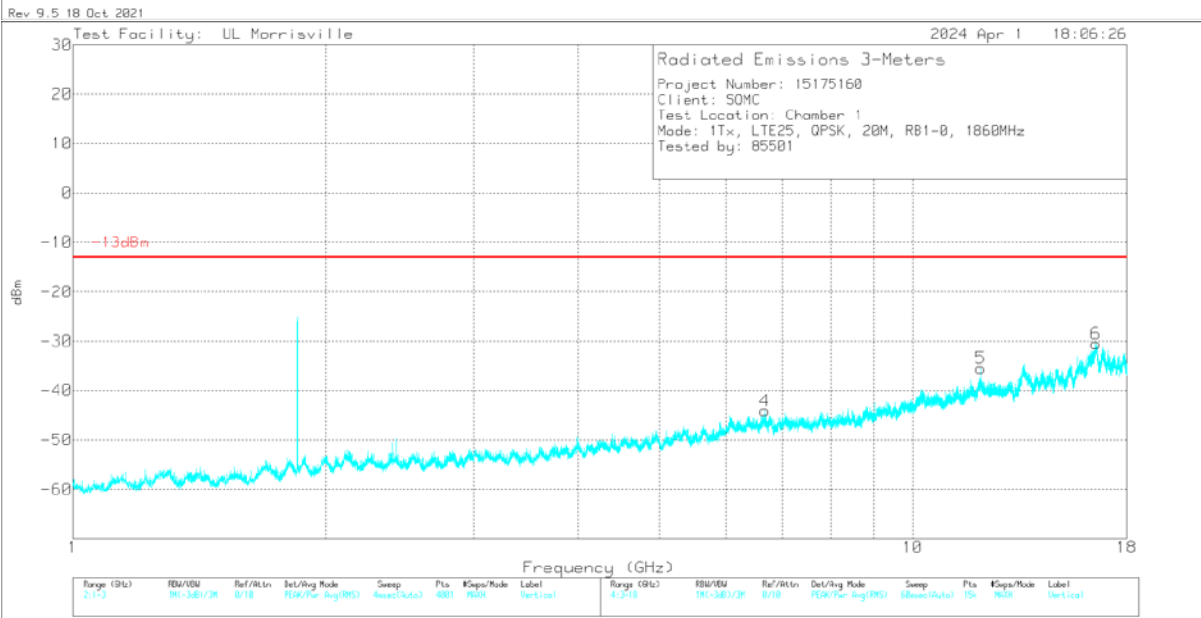
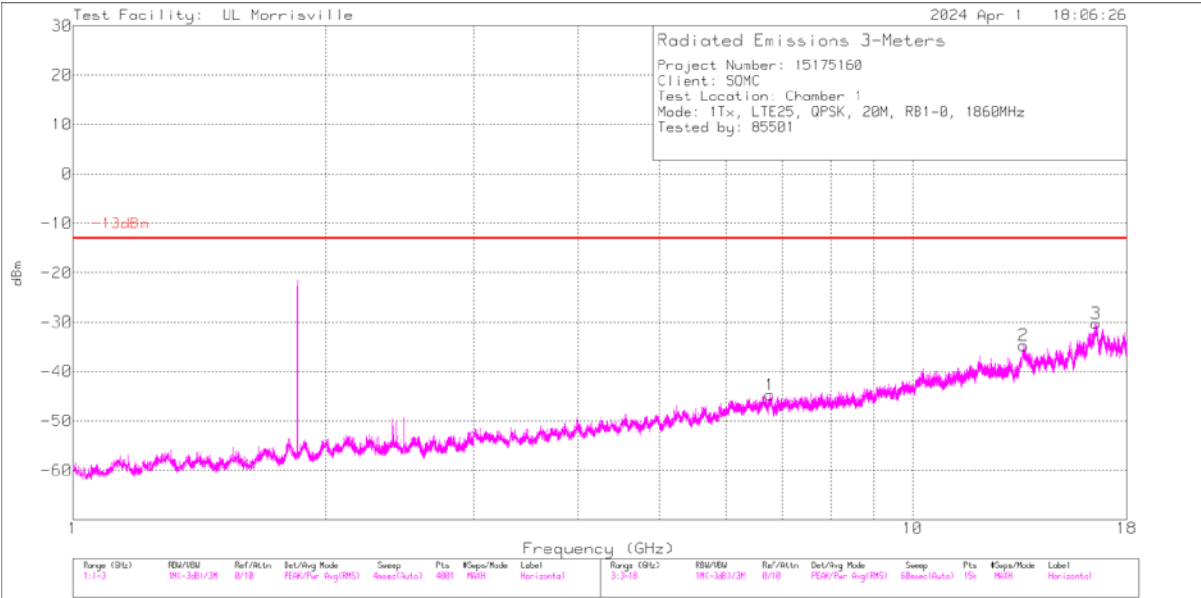
PK - Peak detector

10.1.9. LTE BAND 25**LIMITS**

FCC: §24.238 (a)

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.

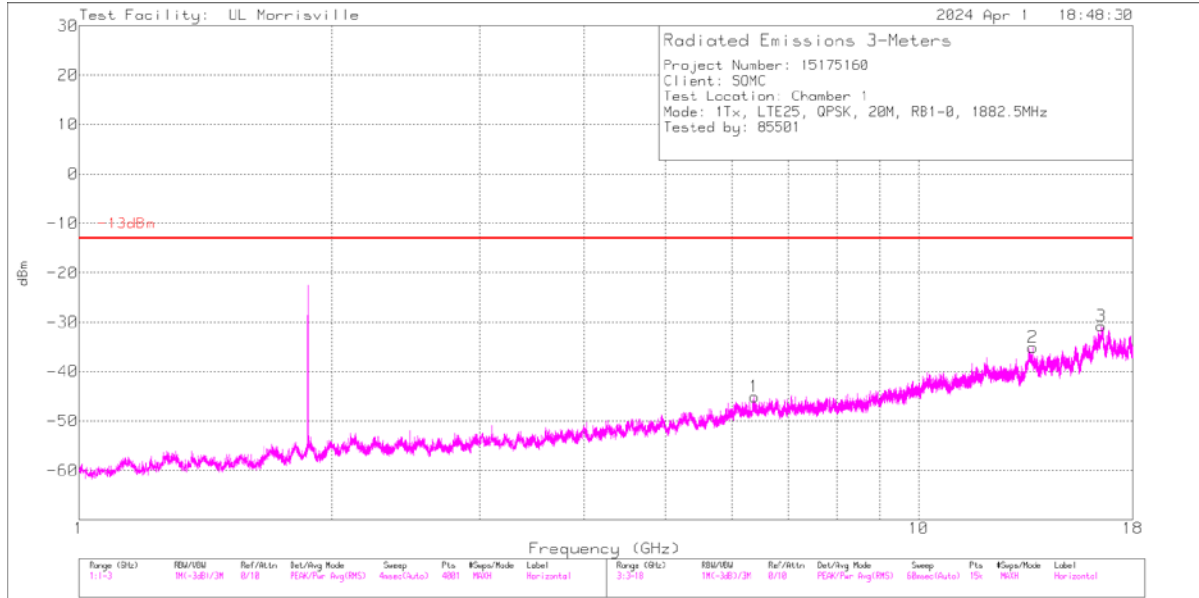
QPSK LTE25 (20MHz, Low Channel)



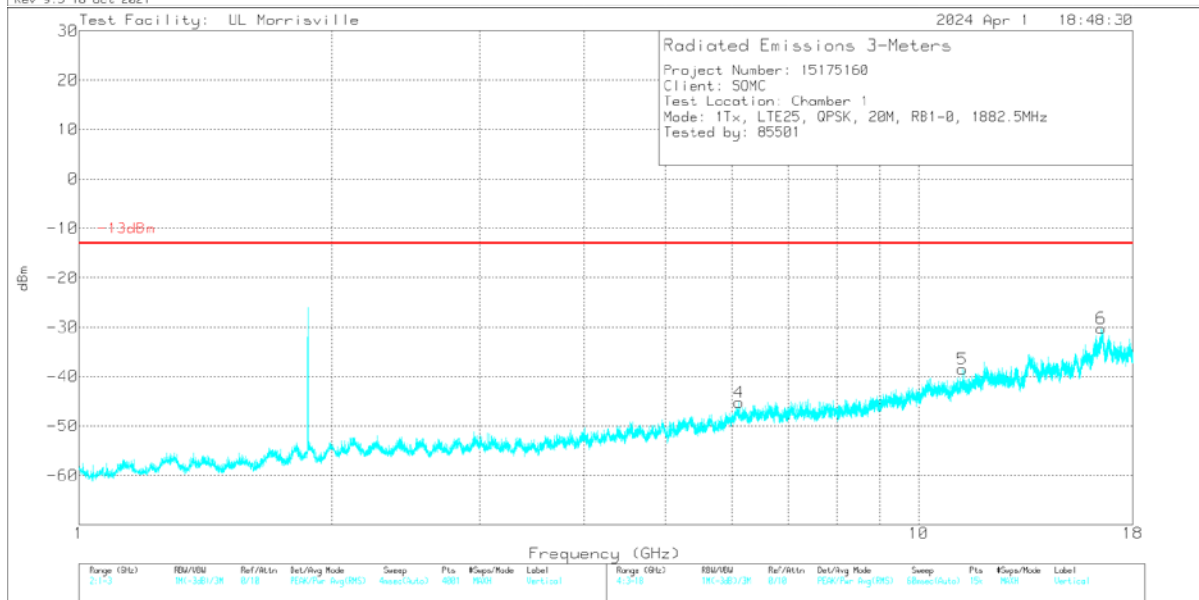
Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	6.668	-64.14	Pk	35.6	-27.3	11.8	0	-44.04	-13	-31.04	0-360	300	V
1	6.765	-64.26	Pk	35.6	-27.9	11.8	0	-44.76	-13	-31.76	0-360	200	H
5	12.06	-63.31	Pk	38.7	-22.6	11.8	0	-35.41	-13	-22.41	0-360	201	V
2	13.548	-62	Pk	39	-23.5	11.8	0	-34.7	-13	-21.7	0-360	101	H
3	16.533	-65.01	Pk	41.1	-18.2	11.8	0	-30.31	-13	-17.31	0-360	200	H
6	16.545	-65.44	Pk	41.1	-18	11.8	0	-30.54	-13	-17.54	0-360	300	V

PK - Peak detector

QPSK LTE25 (20MHz, Mid Channel)



Rev 9.5 18 Oct 2021

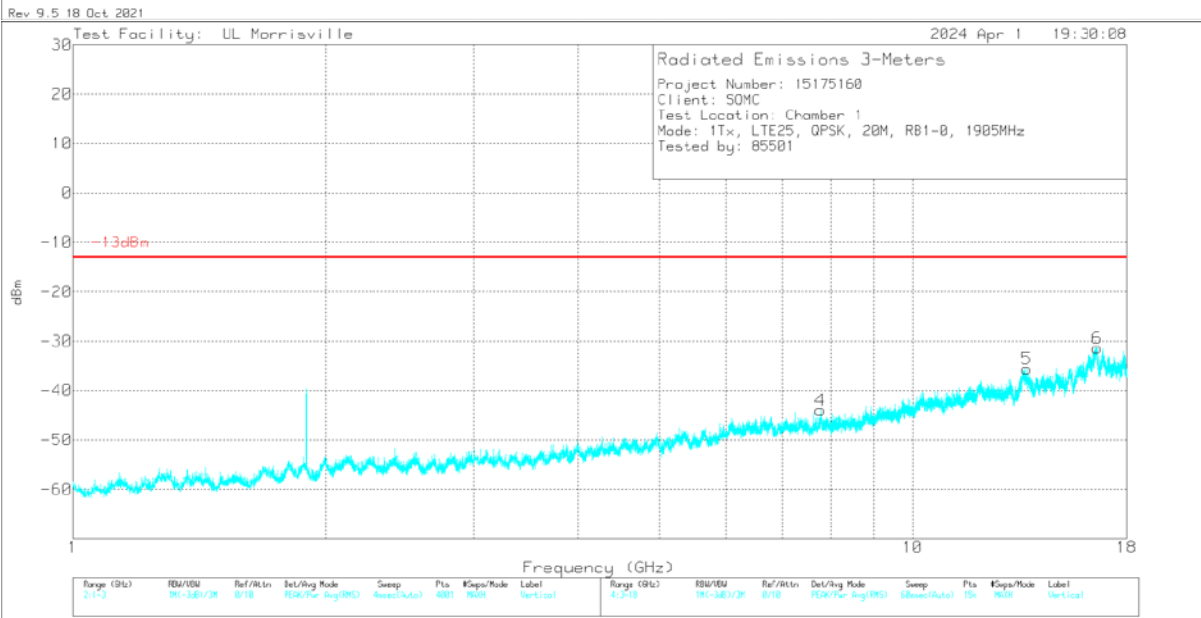
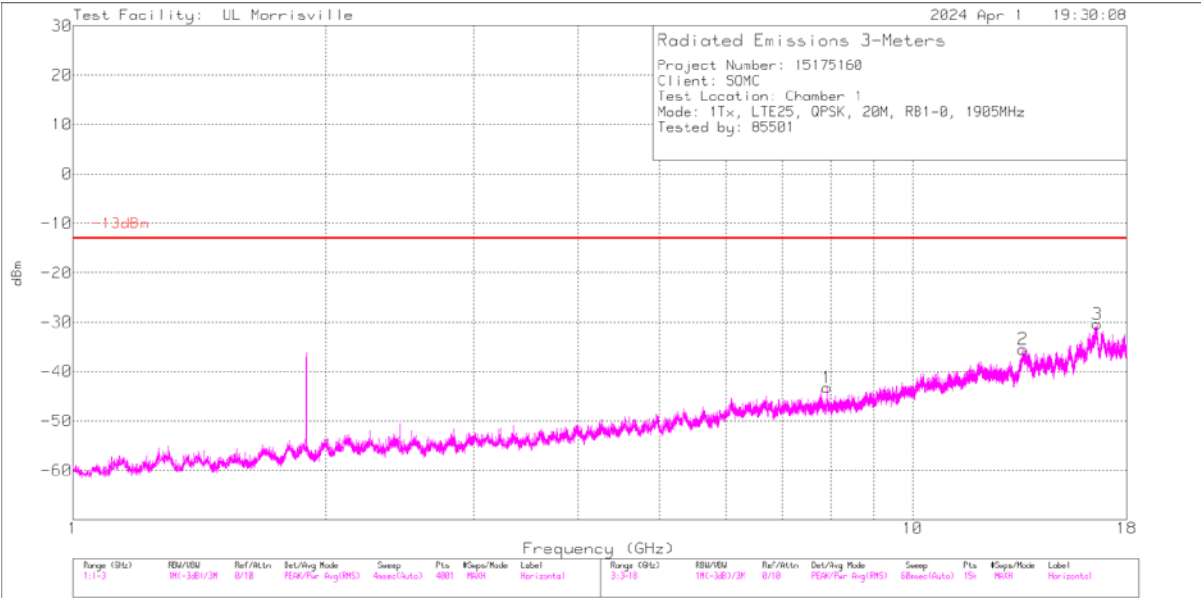


Rev 9.5 18 Oct 2021

Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	6.113	-64.07	Pk	35.3	-28.3	11.8	0	-45.27	-13	-32.27	0-360	101	V
1	6.376	-64.75	Pk	35.5	-27.6	11.8	0	-45.05	-13	-32.05	0-360	101	H
5	11.28	-66.01	Pk	37.7	-22	11.8	0	-38.51	-13	-25.51	0-360	300	V
2	13.676	-62.82	Pk	38.9	-23	11.8	0	-35.12	-13	-22.12	0-360	101	H
3	16.519	-65.48	Pk	41.1	-18.2	11.8	0	-30.78	-13	-17.78	0-360	300	H
6	16.526	-64.91	Pk	41.1	-18.2	11.8	0	-30.21	-13	-17.21	0-360	201	V

PK - Peak detector

QPSK LTE25 (20MHz, High Channel)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	206211 (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-13dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
4	7.765	-64.9	Pk	35.7	-26.6	11.8	0	-44	-13	-31	0-360	200	V
1	7.904	-64.44	Pk	35.8	-26.4	11.8	0	-43.24	-13	-30.24	0-360	199	H
2	13.535	-63.31	Pk	39	-23	11.8	0	-35.51	-13	-22.51	0-360	199	H
5	13.675	-63.25	Pk	38.9	-23	11.8	0	-35.55	-13	-22.55	0-360	200	V
6	16.595	-66.51	Pk	41.2	-17.9	11.8	0	-31.41	-13	-18.41	0-360	200	V
3	16.597	-65.38	Pk	41.2	-18	11.8	0	-30.38	-13	-17.38	0-360	101	H

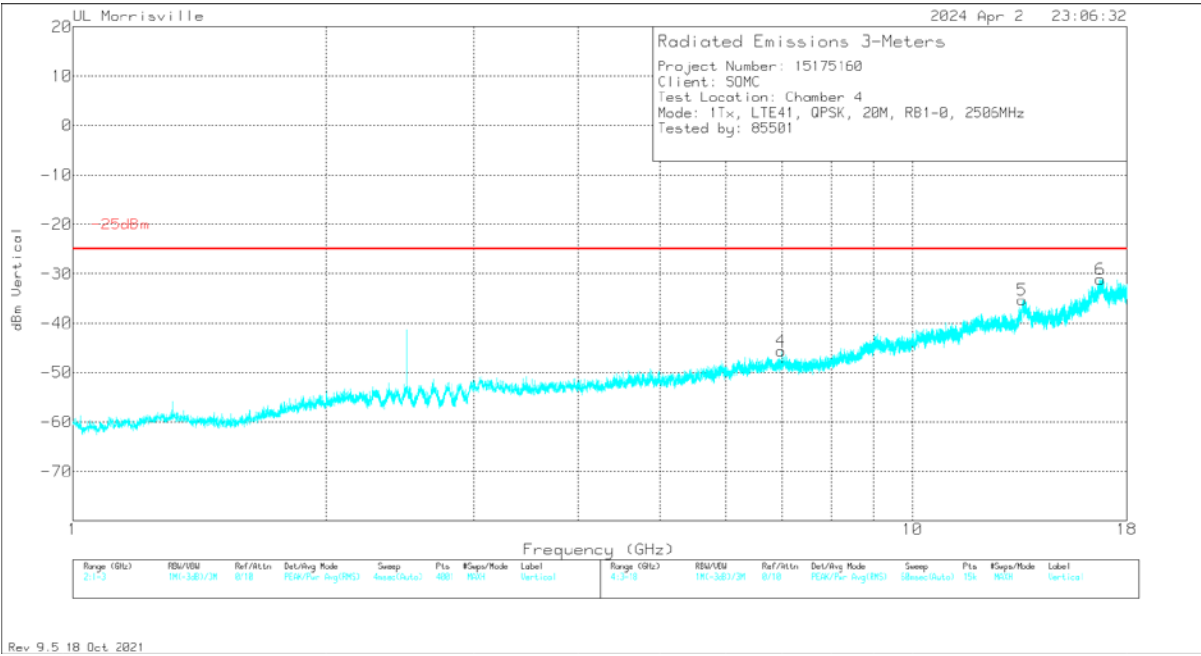
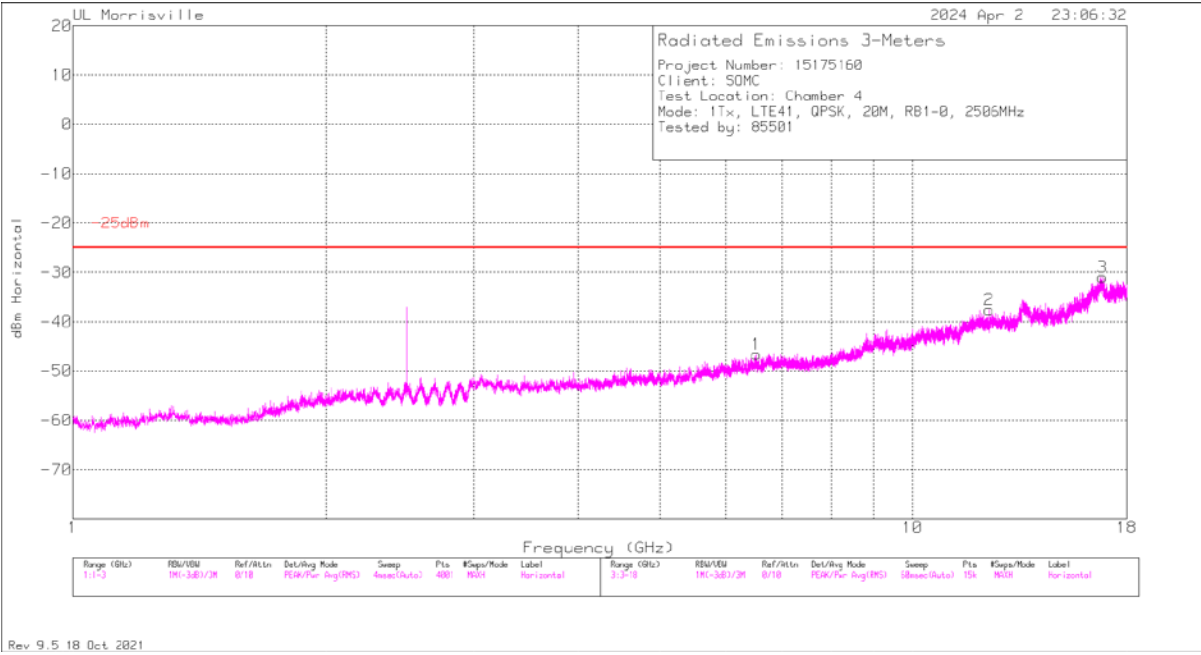
Pk - Peak detector

10.1.10. LTE BAND 41

FCC: §27.53 (m)

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.

QPSK LTE41(20MHz, Low Channel)



Marker	Frequency (GHz)	Meter Reading (dBm)	Det	89509 ACF (dB/m)	Gain/Loss (dB)	CF (dB)	Filter (dB)	Corrected Reading dBm	-25dBm	Margin (dB)	Azimuth (Degs)	Height (cm)	Polarity
1	6.525	-66.46	Pk	35.5	-27.8	11.8	.4	-46.56	-25	-21.56	0-360	200	H
4	6.98	-65.78	Pk	35.5	-27.6	11.8	.5	-45.58	-25	-20.58	0-360	100	V
2	12.332	-65.45	Pk	38.9	-23.3	11.8	.5	-37.55	-25	-12.55	0-360	200	H
5	13.52	-64.93	Pk	38.8	-21.7	11.8	.7	-35.33	-25	-10.33	0-360	100	V
6	16.752	-66.9	Pk	41.9	-19	11.8	1.1	-31.1	-25	-6.1	0-360	100	V
3	16.82	-67.41	Pk	41.9	-18.5	11.8	1.2	-31.01	-25	-6.01	0-360	300	H

Pk - Peak detector