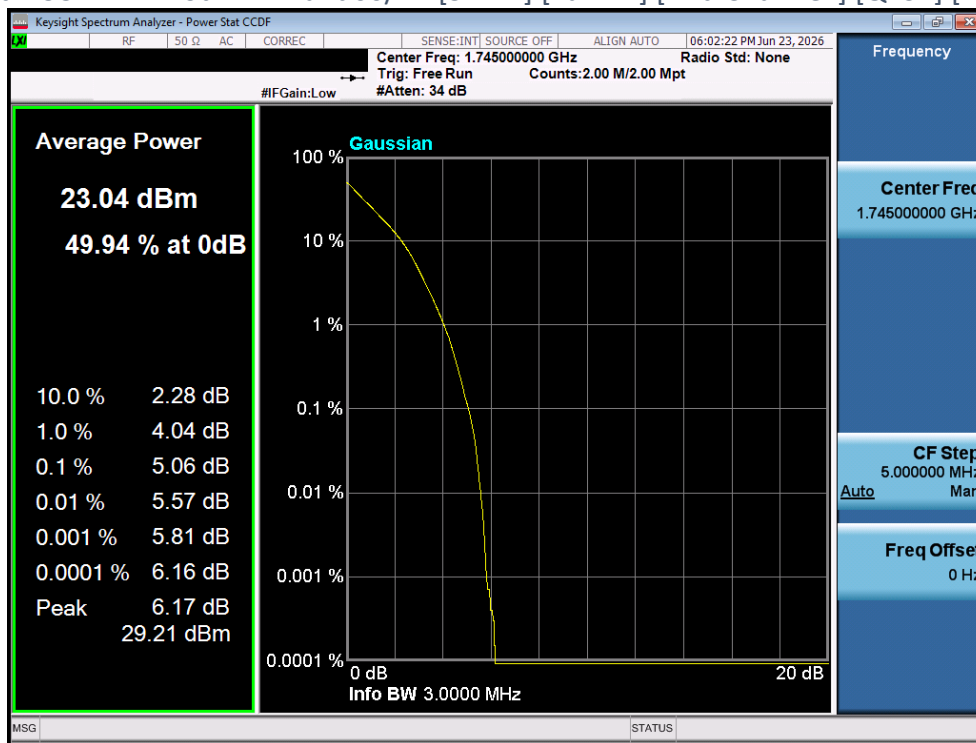
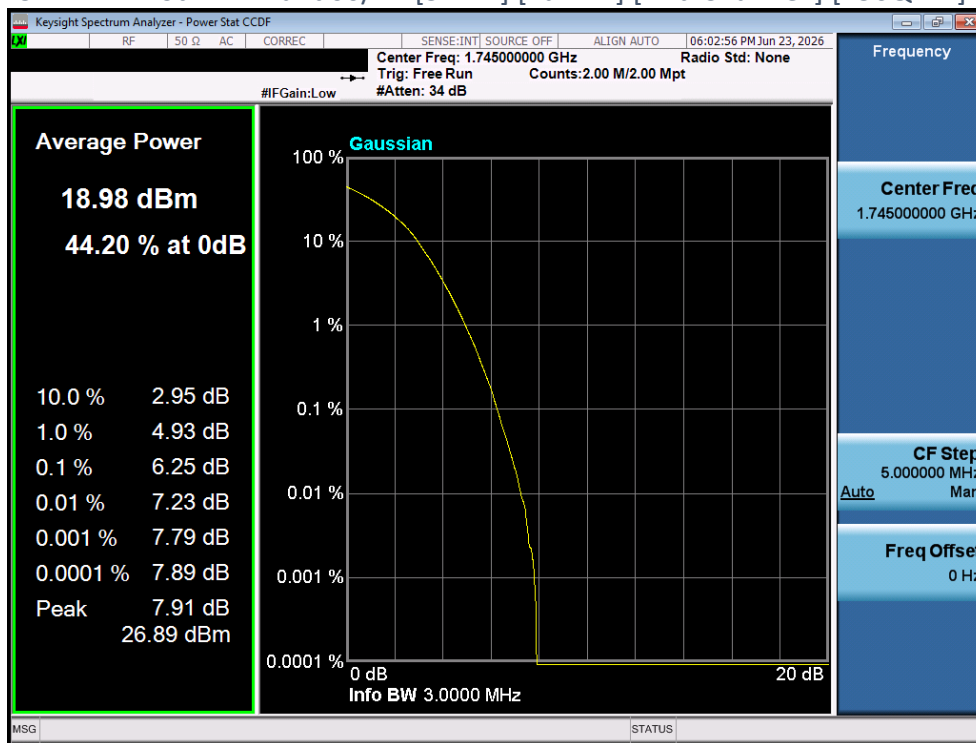


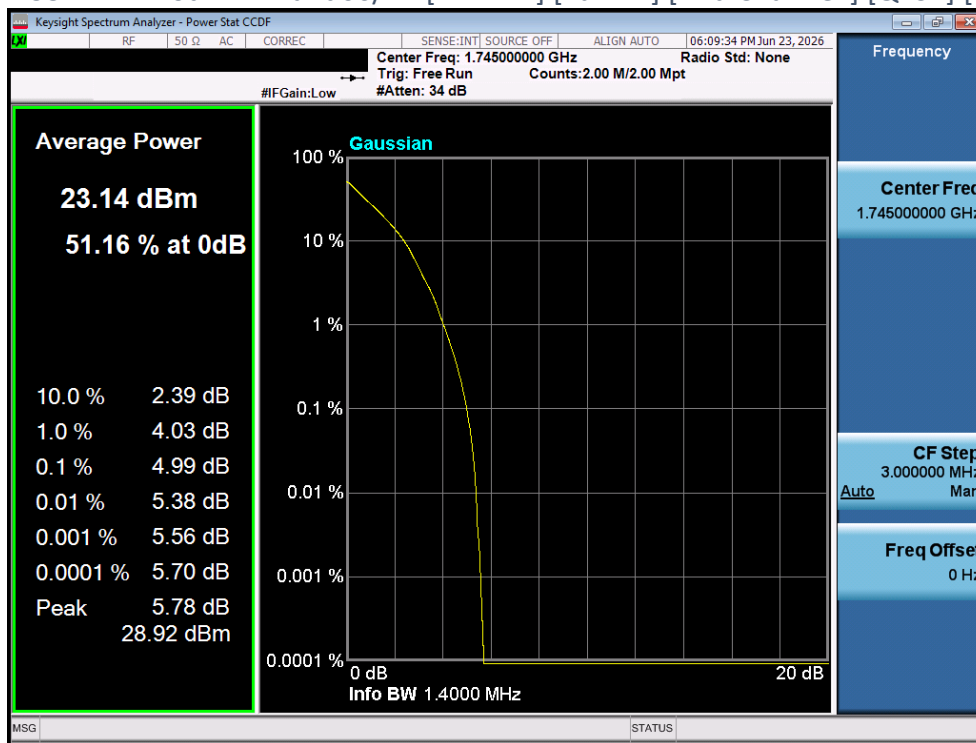
Plot 4-93 PAPR Plot - LTE Band66/4 - [3MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



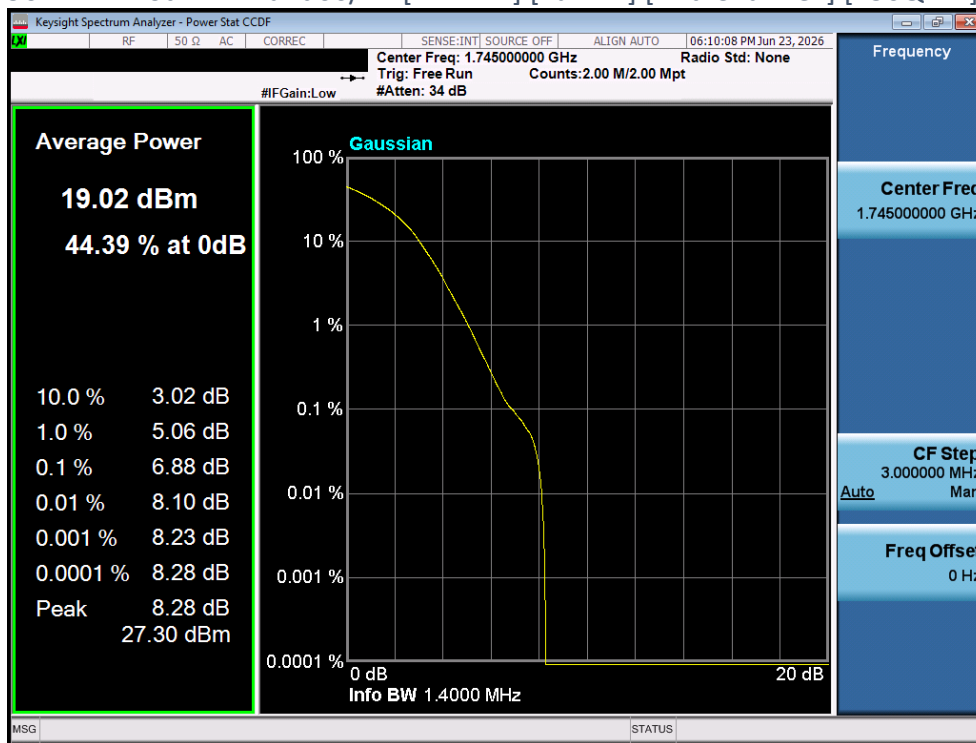
Plot 4-94 PAPR Plot - LTE Band66/4 - [3MHz] [Full RB] [Mid Channel] [256QAM] [Ant 2]



Plot 4-95 PAPR Plot - LTE Band66/4 - [1.4MHz] [Full RB] [Mid Channel] [QPSK] [Ant 2]



Plot 4-96 PAPR Plot - LTE Band66/4 - [1.4MHz] [Full RB] [Mid Channel] [256QAM] [Ant 2]



4.6. Band Edge Emissions

4.6.1. Regulatory Limit

§Part. 27.53(c) & RSS-130(4.7) For LTE Band 13

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} P$ (watts), dB

§Part. 27.53(g) & RSS-130(4.7.1) For LTE Band 12/17

The power of any emission outside a 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, by at least $43 + 10 \log (P)$ dB.

§Part. 27.53(h) & RSS-139(5.6) For LTE Band 66/4

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB

4.6.2. Test Method

ANSI C63.26-2015, clause 5.7.3

4.6.3. Test Procedure

The procedure for this method is follows:

- a) Set the spectrum analyzer center frequency to the block, band, or channel edge frequency.
- b) Set the span wide enough to capture the fundamental emission closest to the authorized block.
- c) Set RBW = at least 1 % of the EBW
- d) Set the VBW $\geq$ RBW.
- e) Set Number of points Sweep $\geq 2 \times \text{span/RBW}$
- f) Detector = RMS
- g) Trace mode = Average
- h) Sweep time = auto

Test Note

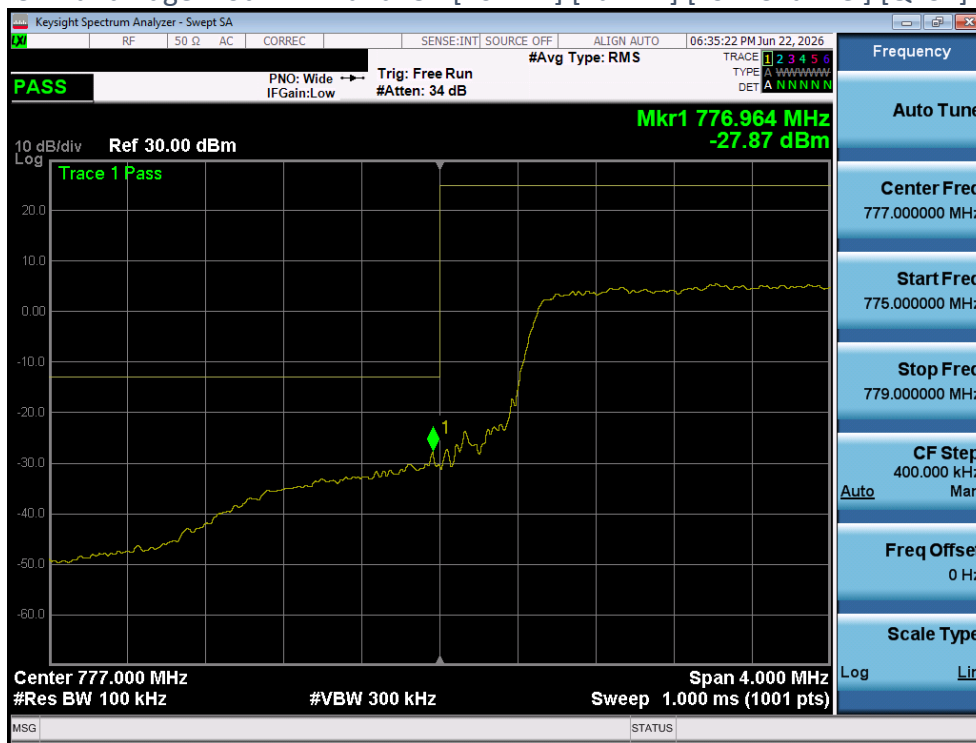
- ✓ For LTE Band 13, Per §Part. 27.53(c)(5), in the 100 kHz bands immediately outside and adjacent to the frequency block, a resolution bandwidth of at least 30 kHz may be employed.
- ✓ For LTE Band 13, Per §Part. 27.53(c)(6), Compliance with all frequencies between 763-775 MHz and 793-805 MHz is based on the use of measurement instrumentation such that the reading taken with any resolution bandwidth setting should be adjusted to indicate spectral energy in a 6.25 kHz segment.
- ✓ For LTE Band 12/17, Per §Part. 27.53(g), in the 100 kilohertz bands immediately outside and adjacent to a licensee's frequency block, a resolution bandwidth of at least 30 kHz may be employed.
- ✓ For LTE Band 66/4 §Part. 27.53(h)(3), in the 1 MHz bands immediately outside and adjacent to the licensee's frequency block, a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
- ✓ Per RSS-130(4.7.1), in the 100 kHz band immediately outside of the equipment's frequency block range, a resolution bandwidth of 30 kHz may be employed
- ✓ For cases where the duty cycle was less than 98%, measurements were performed using a gated trigger.
- ✓ All modulation were evaluated, and only the worst-case results are reported herein.
- ✓ Although 1RB and Half RB allocations were evaluated along with the Full RB, only the worst-case results are reported herein.
- ✓ According to the test results in Section 4.4 of the report, 1% of EBW was applied.
- ✓ Only the high channel is reported for LTE Band 4 because the low channel band-edge compliance is covered by LTE Band 66. The LTE Band 66 low channel has been verified to comply with the band-edge requirements applicable to LTE Band 66/4 operation.

4.6.4. Test Results

Table 4-10 Band Edge Emissions Data LTE Band 13 Ant 1

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 13	10	Low	782	23230	50/0	QPSK	-27.87	-13	-14.87
		High			50/0	QPSK	-22.87	-13	-9.87
	5	Low	779.5	23205	25/0	QPSK	-20.70	-13	-7.70
		High	784.5	23255	25/0	QPSK	-17.88	-13	-4.88

Plot 4-97 Band Edge Plot - LTE Band13 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-98 Band Edge Plot - LTE Band13 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-99 Band Edge Plot - LTE Band13 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-100 Band Edge Plot - LTE Band13 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Table 4-11 Band Edge Emissions Data LTE Band 13 Ant 2

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 13	10	Low	782	23230	50/0	QPSK	-28.02	-13	-15.02
		High			50/0	QPSK	-26.28	-13	-13.28
	5	Low	779.5	23205	25/0	QPSK	-22.13	-13	-9.13
		High	784.5	23255	25/0	QPSK	-20.09	-13	-7.09

Plot 4-101 Band Edge Plot - LTE Band13 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-102 Band Edge Plot - LTE Band13 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-103 Band Edge Plot - LTE Band13 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-104 Band Edge Plot - LTE Band13 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Table 4-12 Band Edge Emissions Data LTE Band 12/17 Ant 1

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 12/17	10	Low	704.0	23060	50/0	QPSK	-24.02	-13	-11.02
		High	711.0	23130	50/0	QPSK	-27.86	-13	-14.86
	5	Low	701.5	23035	25/0	QPSK	-19.33	-13	-6.33
		High	713.5	23155	25/0	QPSK	-19.76	-13	-6.76
	3	Low	700.5	23025	15/0	QPSK	-15.43	-13	-2.43
		High	714.5	23165	15/0	QPSK	-16.08	-13	-3.08
	1.4	Low	699.7	23017	6/0	QPSK	-16.63	-13	-3.63
		High	715.3	23173	6/0	QPSK	-15.81	-13	-2.81

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 17	10	Low	709.0	23780	50/0	QPSK	-28.70	-13	-15.70
	5	Low	706.5	23755	25/0	QPSK	-19.86	-13	-6.86

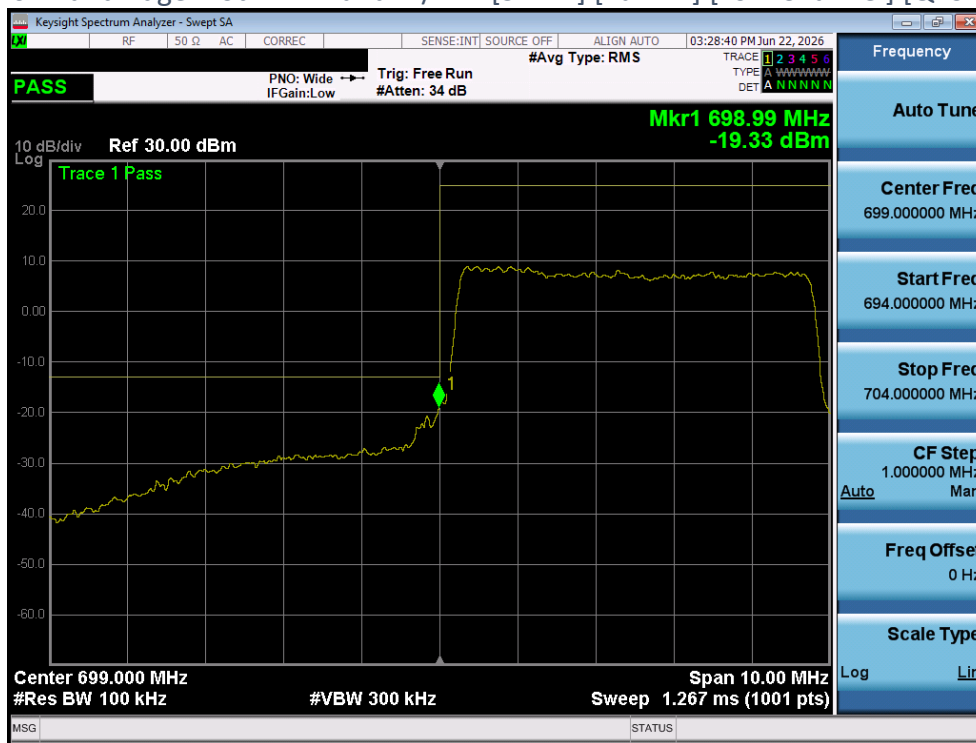
Plot 4-105 Band Edge Plot - LTE Band12/17 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-106 Band Edge Plot - LTE Band12/17 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



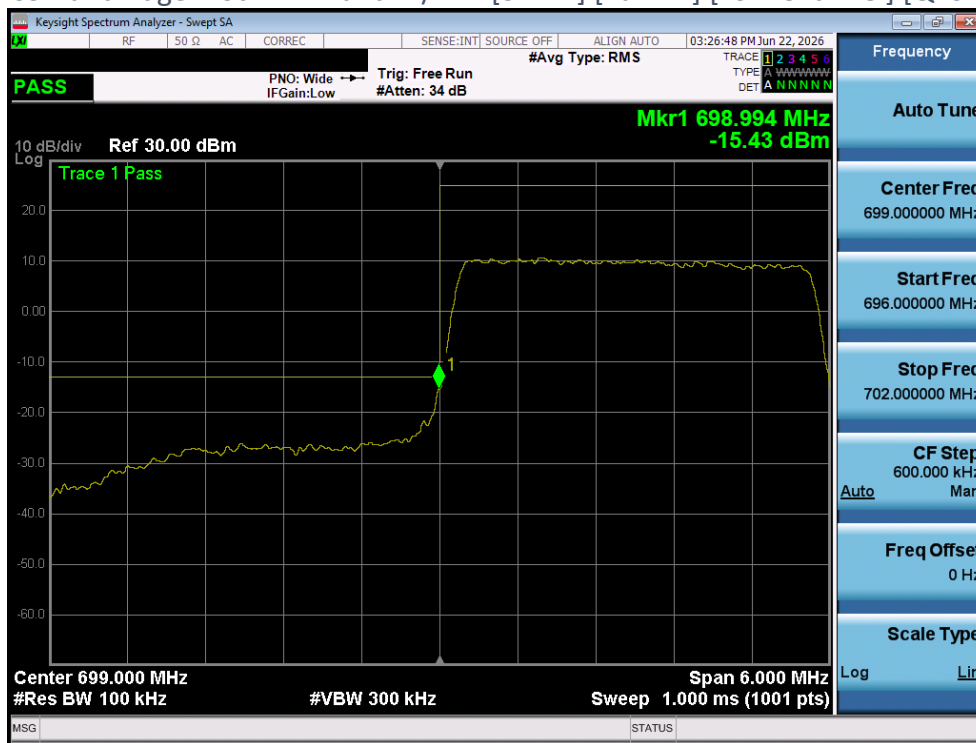
Plot 4-107 Band Edge Plot - LTE Band12/17 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-108 Band Edge Plot - LTE Band12/17 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



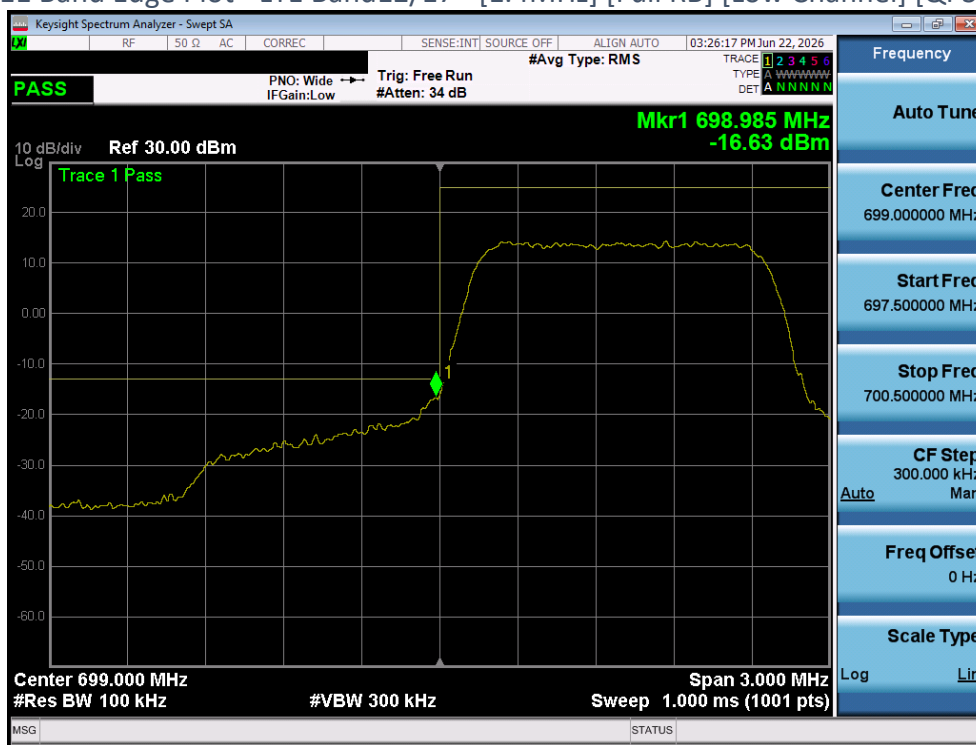
Plot 4-109 Band Edge Plot - LTE Band12/17 - [3MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-110 Band Edge Plot - LTE Band12/17 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-111 Band Edge Plot - LTE Band12/17 - [1.4MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-112 Band Edge Plot - LTE Band12/17 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-113 Band Edge Plot - LTE Band17 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-114 Band Edge Plot - LTE Band17 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]

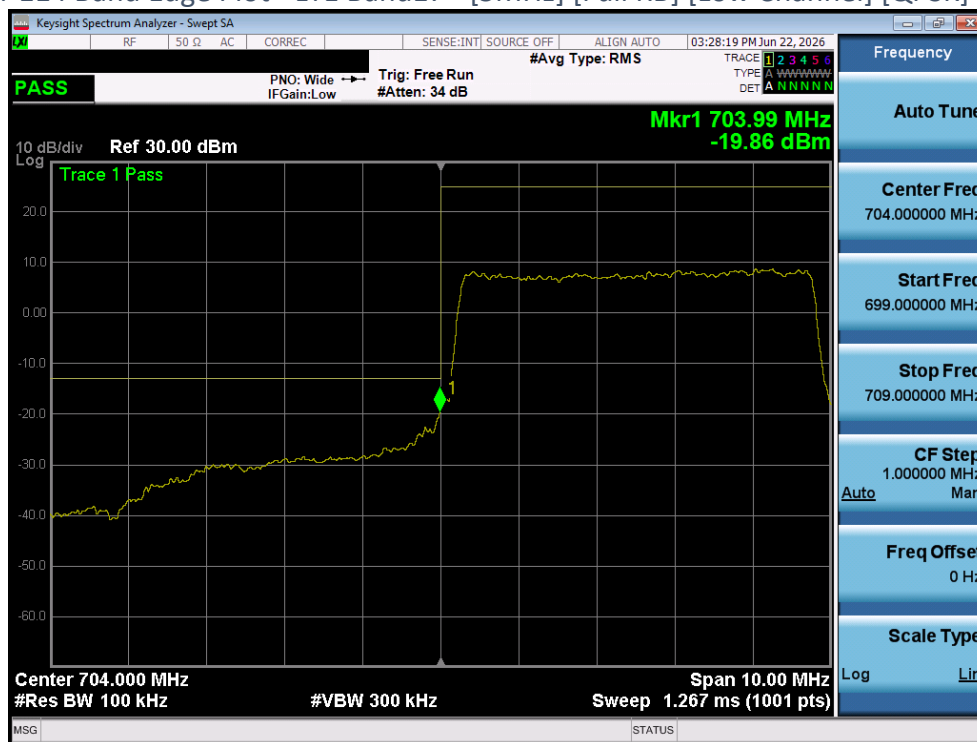


Table 4-13 Band Edge Emissions Data LTE Band 12/17 Ant 2

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 12/17	10	Low	704.0	23060	50/0	QPSK	-25.72	-13	-12.72
		High	711.0	23130	50/0	QPSK	-27.96	-13	-14.96
	5	Low	701.5	23035	25/0	QPSK	-18.89	-13	-5.89
		High	713.5	23155	25/0	QPSK	-20.95	-13	-7.95
	3	Low	700.5	23025	15/0	QPSK	-17.30	-13	-4.30
		High	714.5	23165	15/0	QPSK	-18.39	-13	-5.39
	1.4	Low	699.7	23017	6/0	QPSK	-15.55	-13	-2.55
		High	715.3	23173	6/0	QPSK	-15.78	-13	-2.78

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 17	10	Low	709.0	23780	50/0	QPSK	-28.42	-13	-15.42
	5	Low	706.5	23755	25/0	QPSK	-19.55	-13	-6.55

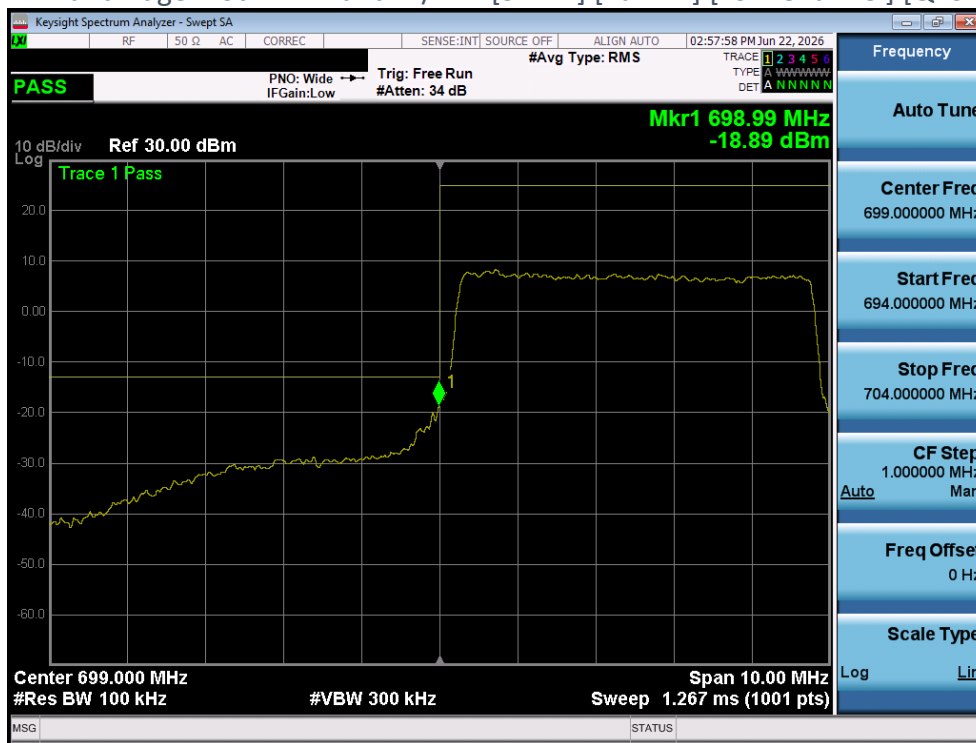
Plot 4-115 Band Edge Plot - LTE Band12/17 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-116 Band Edge Plot - LTE Band12/17 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



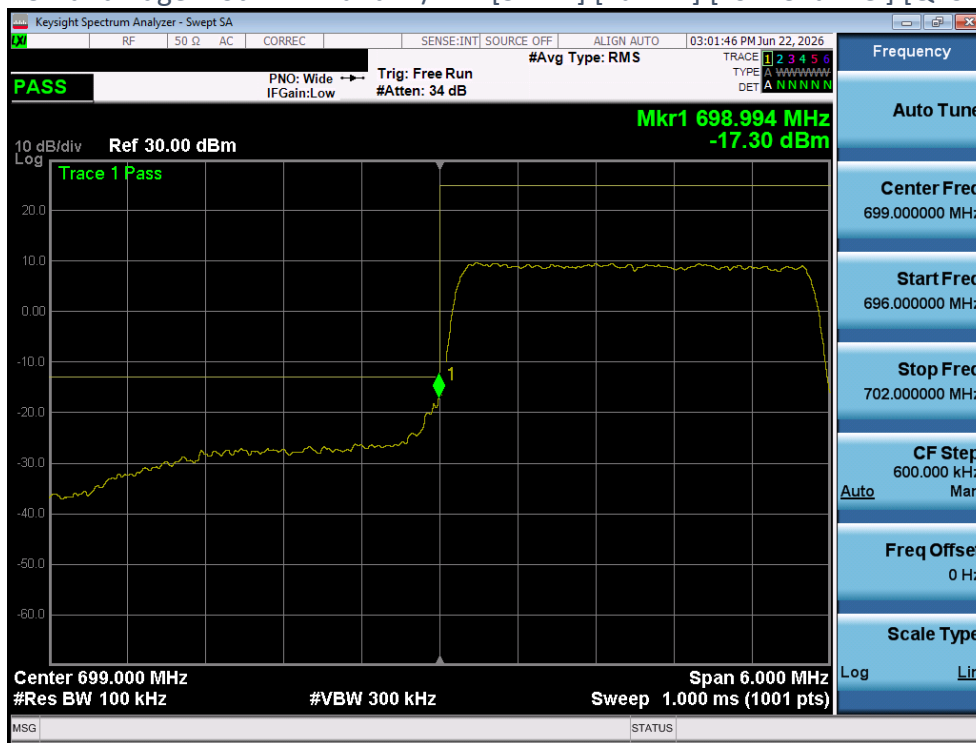
Plot 4-117 Band Edge Plot - LTE Band12/17 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-118 Band Edge Plot - LTE Band12/17 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



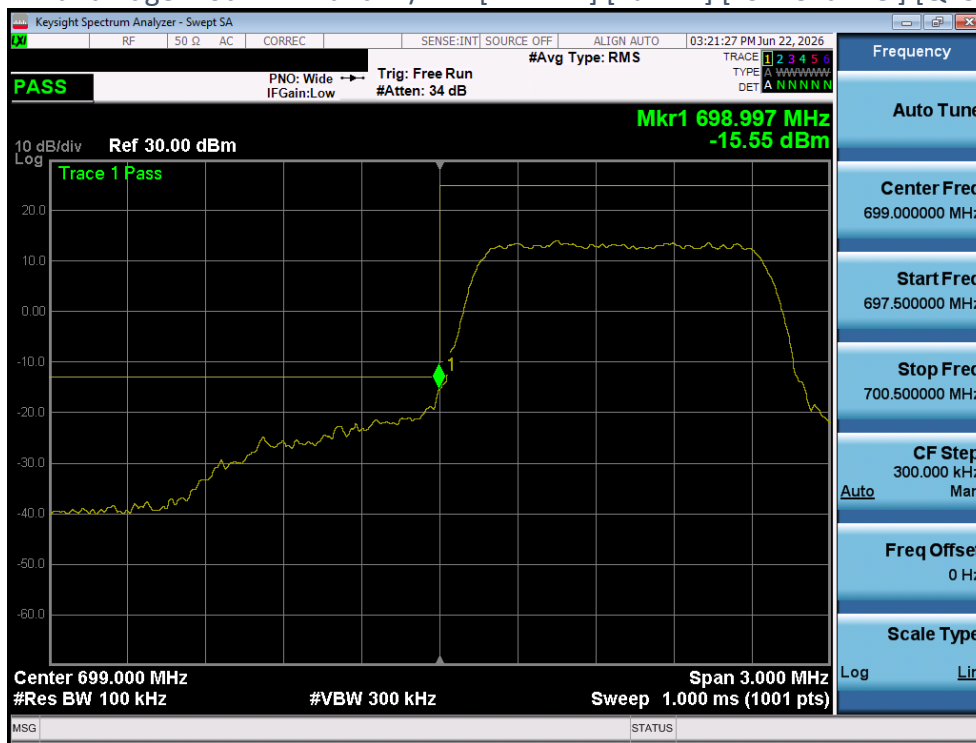
Plot 4-119 Band Edge Plot - LTE Band12/17 - [3MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-120 Band Edge Plot - LTE Band12/17 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



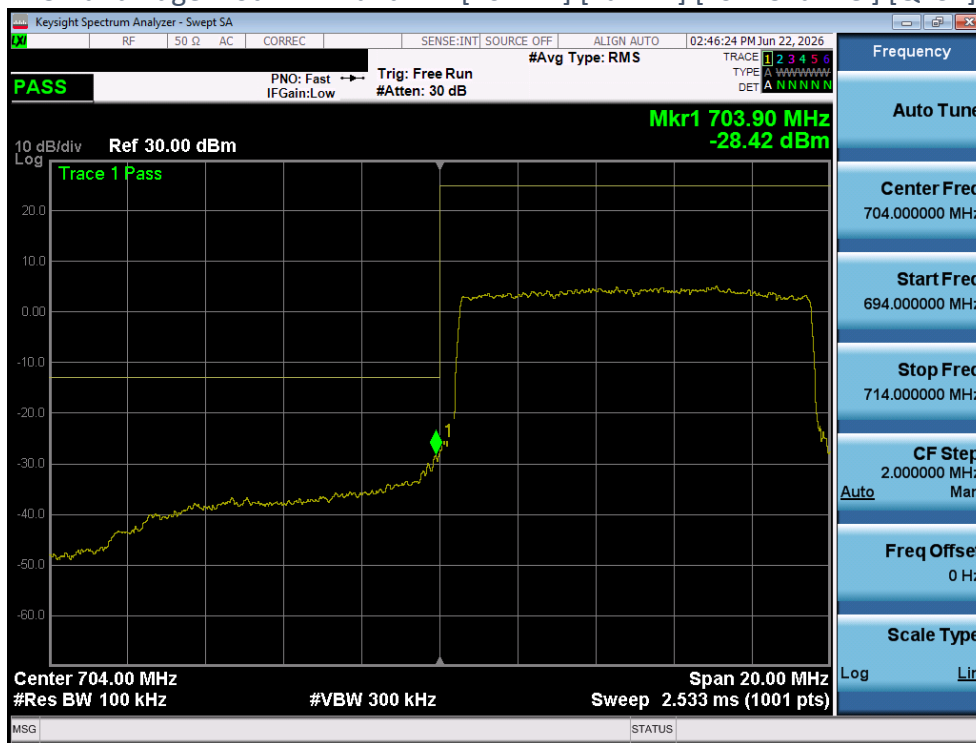
Plot 4-121 Band Edge Plot - LTE Band12/17 - [1.4MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-122 Band Edge Plot - LTE Band12/17 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-123 Band Edge Plot - LTE Band17 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-124 Band Edge Plot - LTE Band17 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]

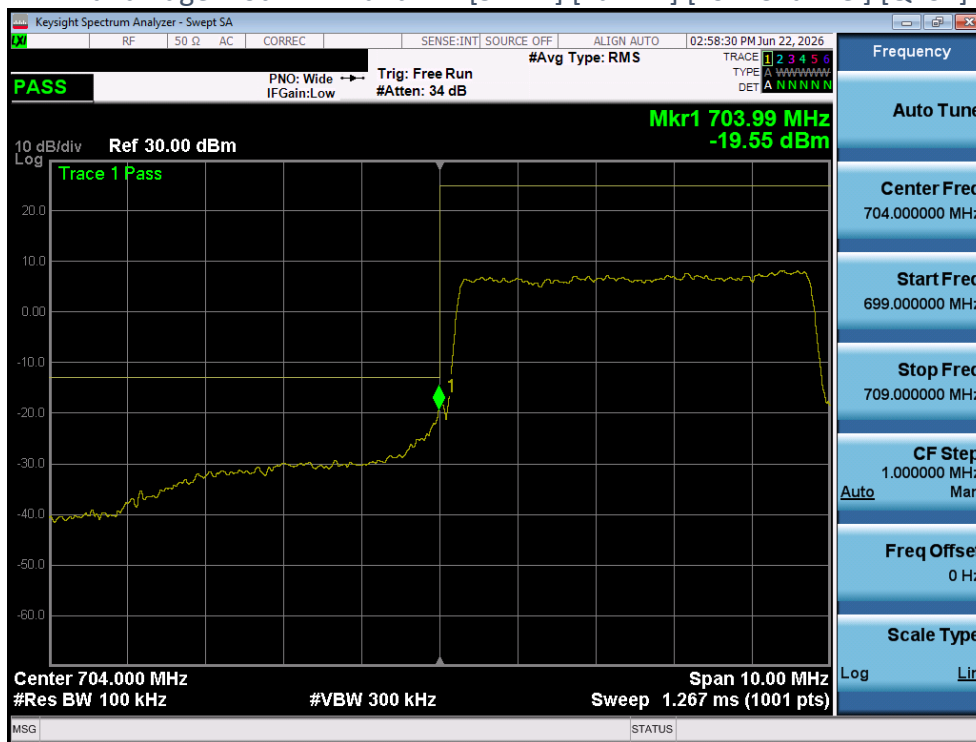
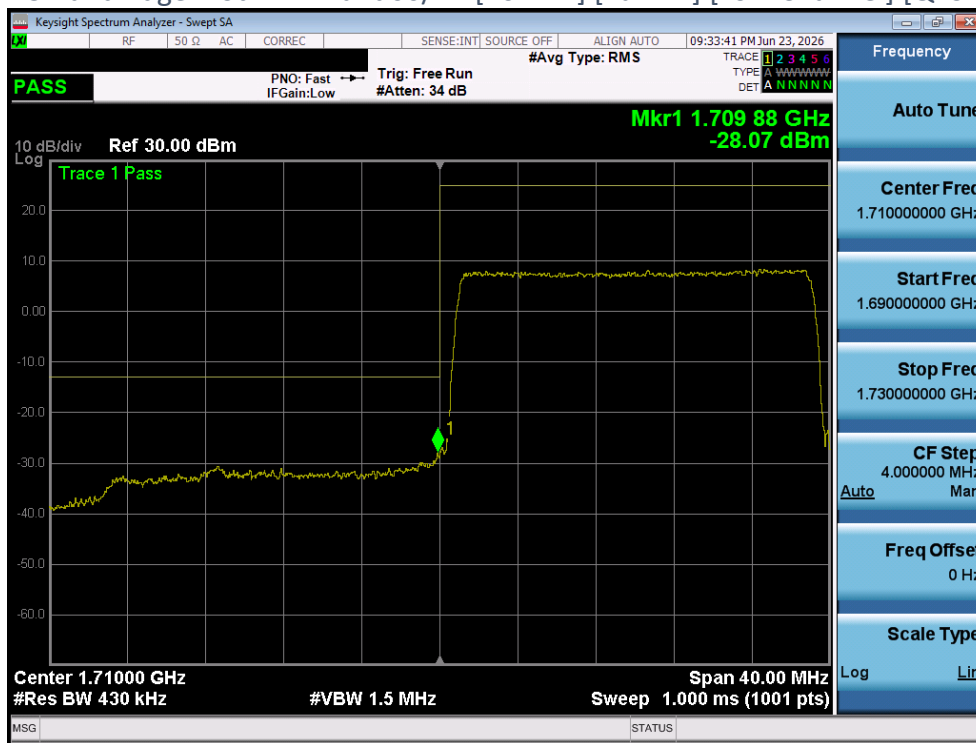


Table 4-14 Band Edge Emissions Data LTE Band 66/4 Ant 1

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 66/4	20	Low	1720.0	132072	100/0	QPSK	-28.07	-13	-15.07
		High	1770.0	132572	100/0	QPSK	-26.91	-13	-13.91
	15	Low	1717.5	132047	75/0	QPSK	-24.51	-13	-11.51
		High	1772.5	132597	75/0	QPSK	-24.40	-13	-11.4
	10	Low	1715.0	132022	50/0	QPSK	-21.53	-13	-8.53
		High	1775.0	132622	50/0	QPSK	-20.28	-13	-7.28
	5	Low	1712.5	131997	25/0	QPSK	-18.45	-13	-5.45
		High	1777.5	132647	25/0	QPSK	-18.83	-13	-5.83
	3	Low	1711.5	131987	15/0	QPSK	-18.12	-13	-5.12
		High	1778.5	132657	15/0	QPSK	-16.94	-13	-3.94
	1.4	Low	1710.7	131979	6/0	QPSK	-23.21	-13	-10.21
		High	1779.3	132665	6/0	QPSK	-23.06	-13	-10.06
LTE Band 4	20	High	1745.0	132322	100/0	QPSK	-26.16	-13	-13.16
	15	High	1747.5	132347	75/0	QPSK	-20.74	-13	-7.74
	10	High	1750.0	132372	50/0	QPSK	-19.65	-13	-6.65
	5	High	1752.5	132397	25/0	QPSK	-19.84	-13	-6.84
	3	High	1753.5	132407	15/0	QPSK	-16.84	-13	-3.84
	1.4	High	1754.3	132415	6/0	QPSK	-23.44	-13	-10.44

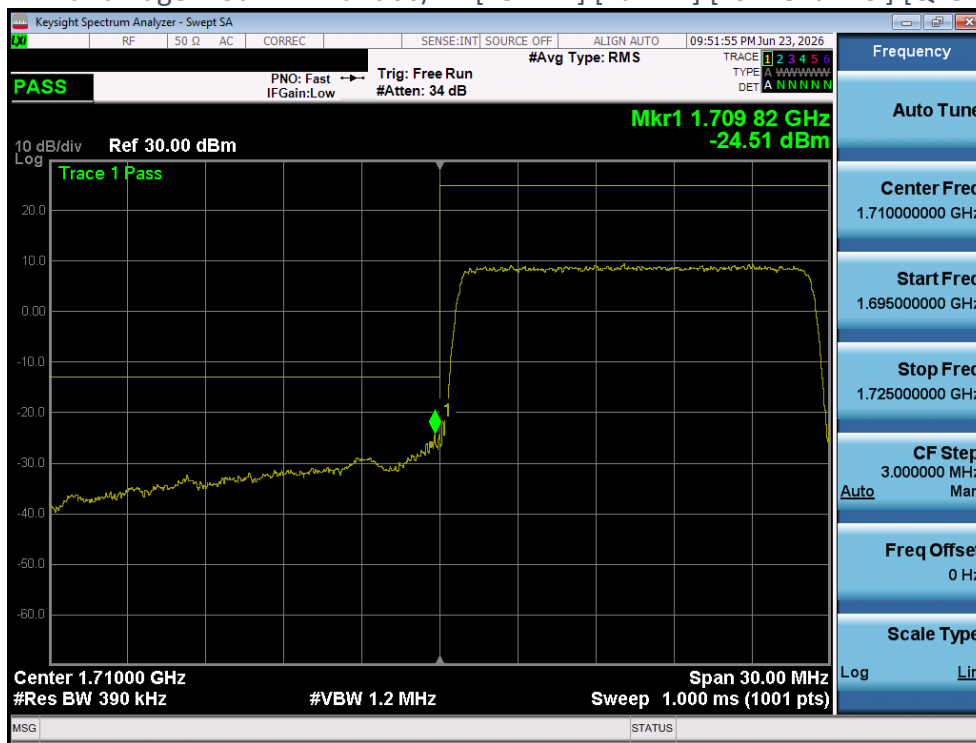
Plot 4-125 Band Edge Plot - LTE Band66/4 - [20MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-126 Band Edge Plot - LTE Band66 - [20MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



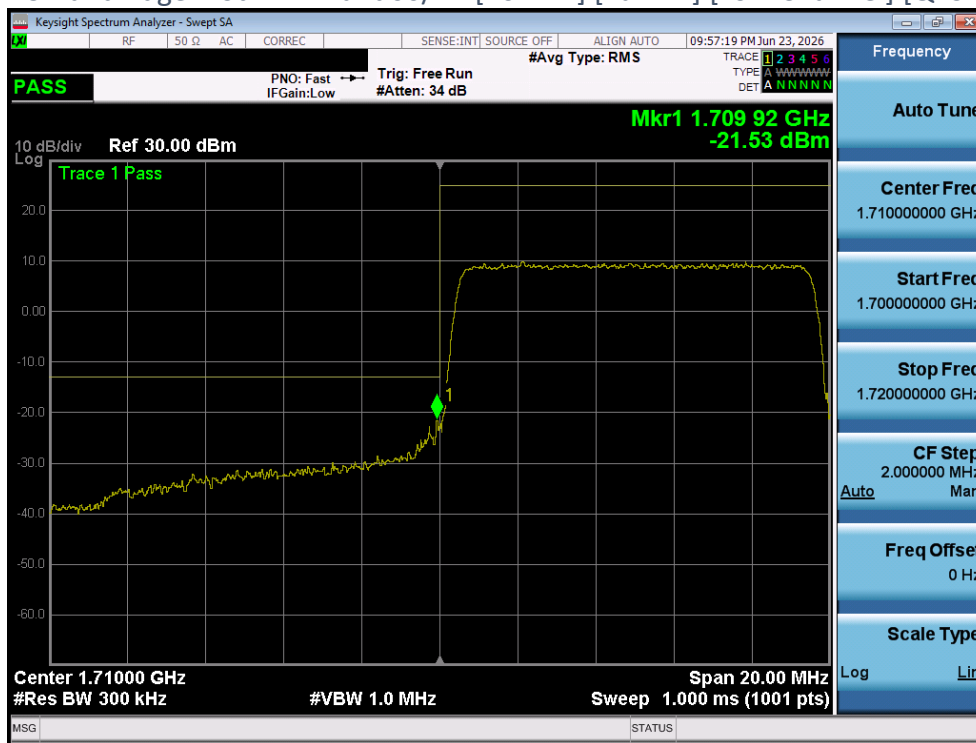
Plot 4-127 Band Edge Plot - LTE Band66/4 - [15MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-128 Band Edge Plot - LTE Band66 - [15MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



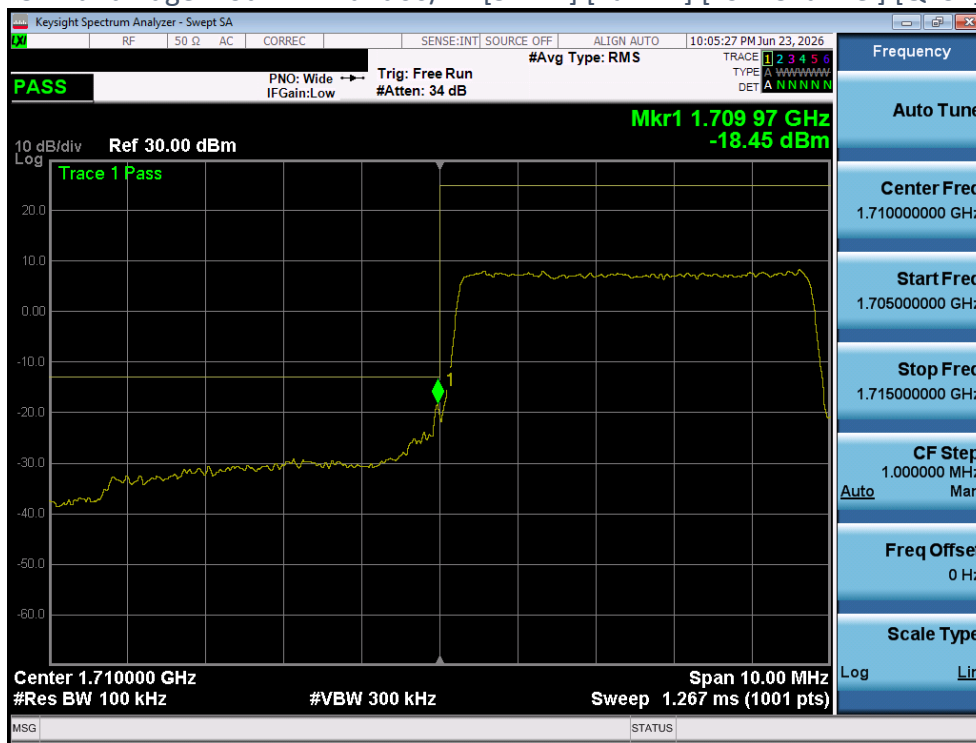
Plot 4-129 Band Edge Plot - LTE Band66/4 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



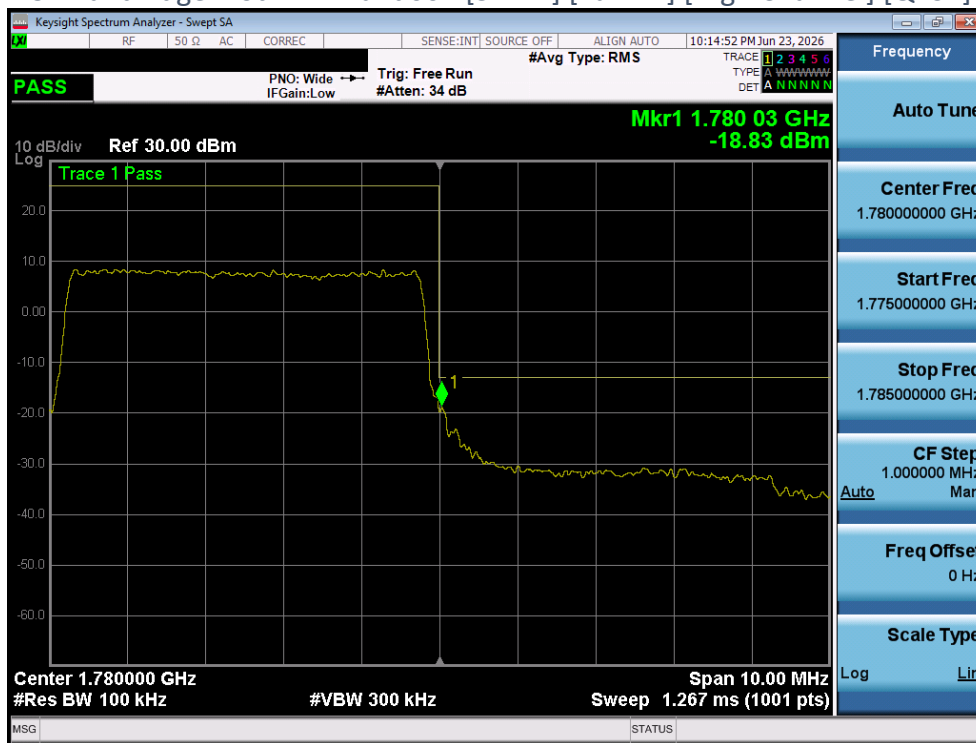
Plot 4-130 Band Edge Plot - LTE Band66 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



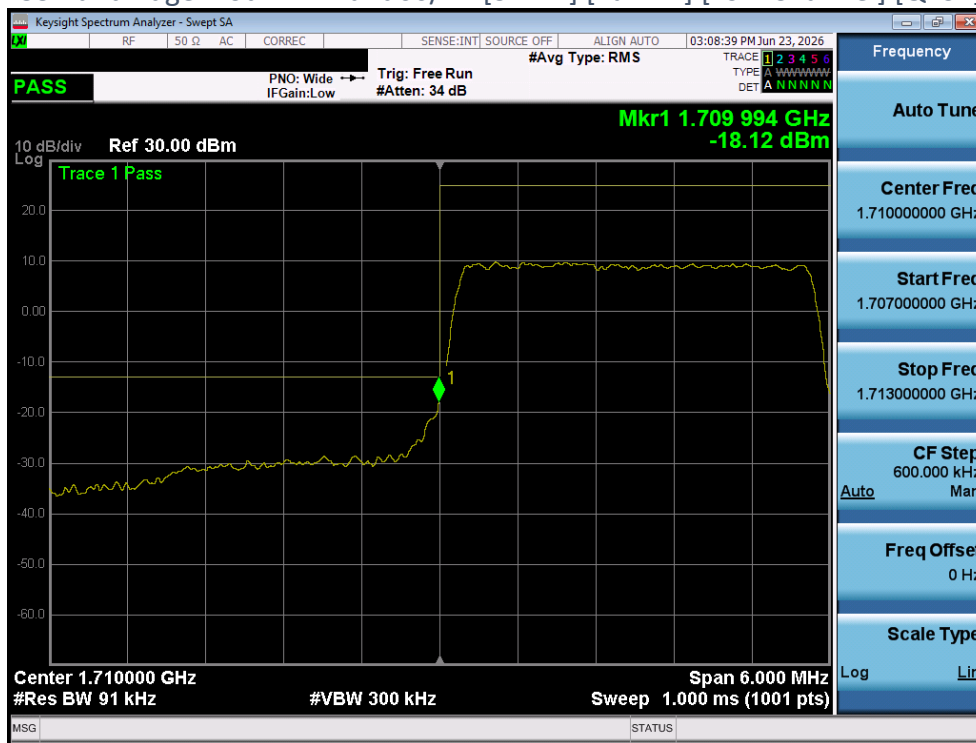
Plot 4-131 Band Edge Plot - LTE Band66/4 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-132 Band Edge Plot - LTE Band66 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-133 Band Edge Plot - LTE Band66/4 - [3MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-134 Band Edge Plot - LTE Band66 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-135 Band Edge Plot - LTE Band66/4 - [1.4MHz] [Full RB] [Low Channel] [QPSK] [Ant 1]



Plot 4-136 Band Edge Plot - LTE Band66 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



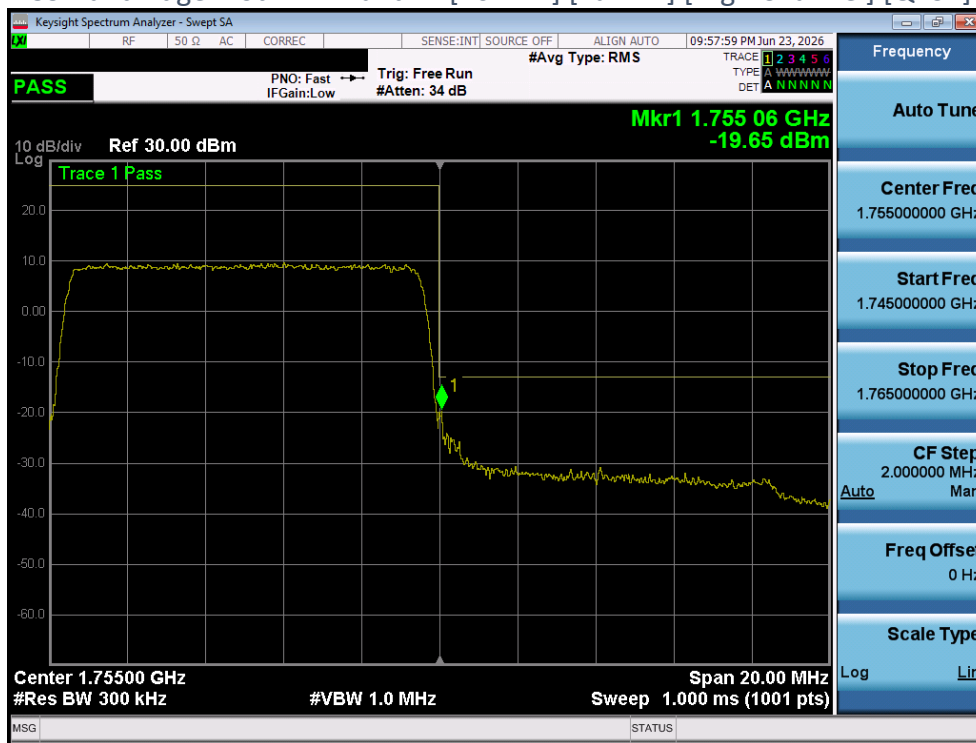
Plot 4-137 Band Edge Plot - LTE Band4 - [20MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-138 Band Edge Plot - LTE Band4 - [15MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-139 Band Edge Plot - LTE Band4 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-140 Band Edge Plot - LTE Band4 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Plot 4-141 Band Edge Plot - LTE Band4 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



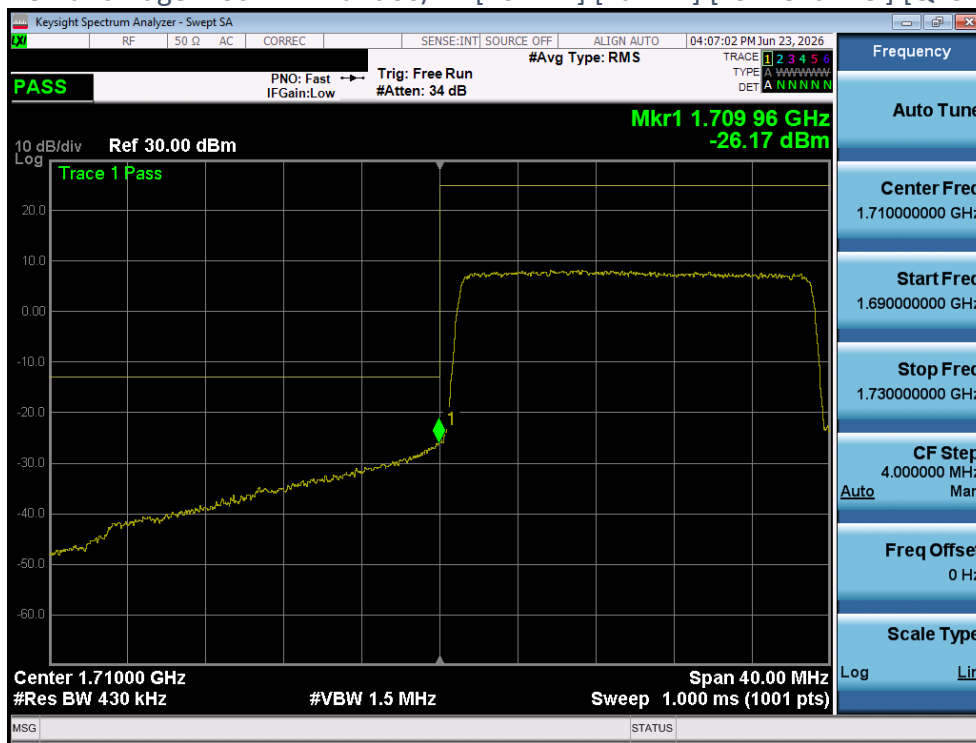
Plot 4-142 Band Edge Plot - LTE Band4 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 1]



Table 4-15 Band Edge Emissions Data LTE Band 66/4 Ant 2

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 66/4	20	Low	1720.0	132072	100/0	QPSK	-26.17	-13	-13.17
		High	1770.0	132572	100/0	QPSK	-24.83	-13	-11.83
	15	Low	1717.5	132047	75/0	QPSK	-23.78	-13	-10.78
		High	1772.5	132597	75/0	QPSK	-23.44	-13	-10.44
	10	Low	1715.0	132022	50/0	QPSK	-21.36	-13	-8.36
		High	1775.0	132622	50/0	QPSK	-21.90	-13	-8.9
	5	Low	1712.5	131997	25/0	QPSK	-19.47	-13	-6.47
		High	1777.5	132647	25/0	QPSK	-20.94	-13	-7.94
	3	Low	1711.5	131987	15/0	QPSK	-16.68	-13	-3.68
		High	1778.5	132657	15/0	QPSK	-19.38	-13	-6.38
	1.4	Low	1710.7	131979	6/0	QPSK	-20.62	-13	-7.62
		High	1779.3	132665	6/0	QPSK	-23.53	-13	-10.53
LTE Band 4	20	High	1745.0	132322	100/0	QPSK	-25.21	-13	-12.21
	15	High	1747.5	132347	75/0	QPSK	-22.13	-13	-9.13
	10	High	1750.0	132372	50/0	QPSK	-21.24	-13	-8.24
	5	High	1752.5	132397	25/0	QPSK	-18.90	-13	-5.9
	3	High	1753.5	132407	15/0	QPSK	-17.84	-13	-4.84
	1.4	High	1754.3	132415	6/0	QPSK	-22.85	-13	-9.85

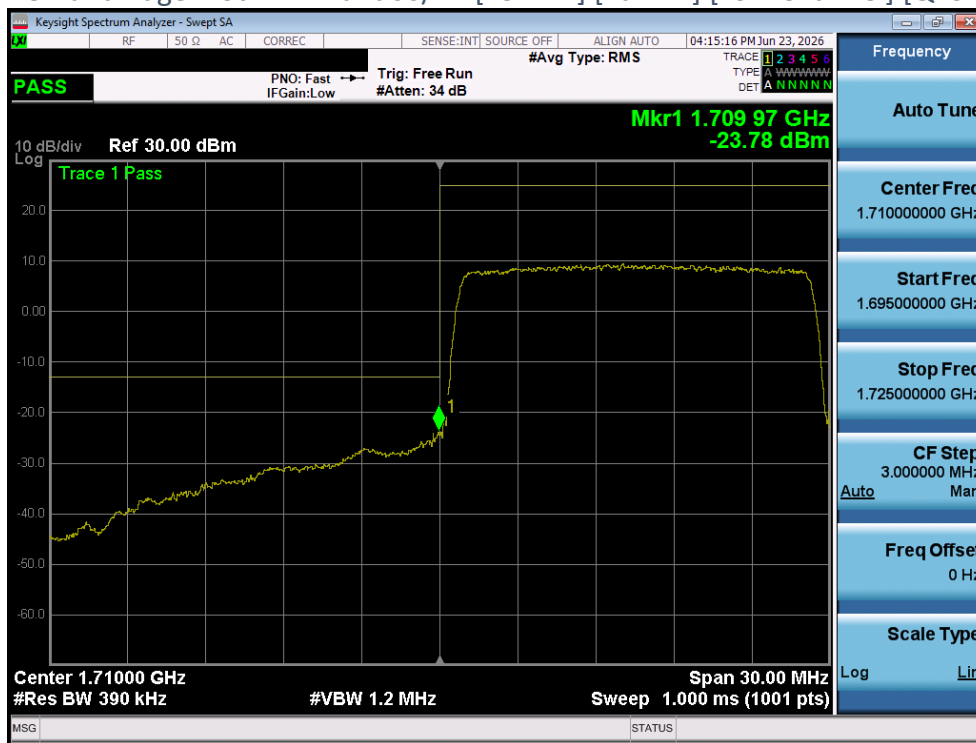
Plot 4-143 Band Edge Plot - LTE Band66/4 - [20MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-144 Band Edge Plot - LTE Band66 - [20MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



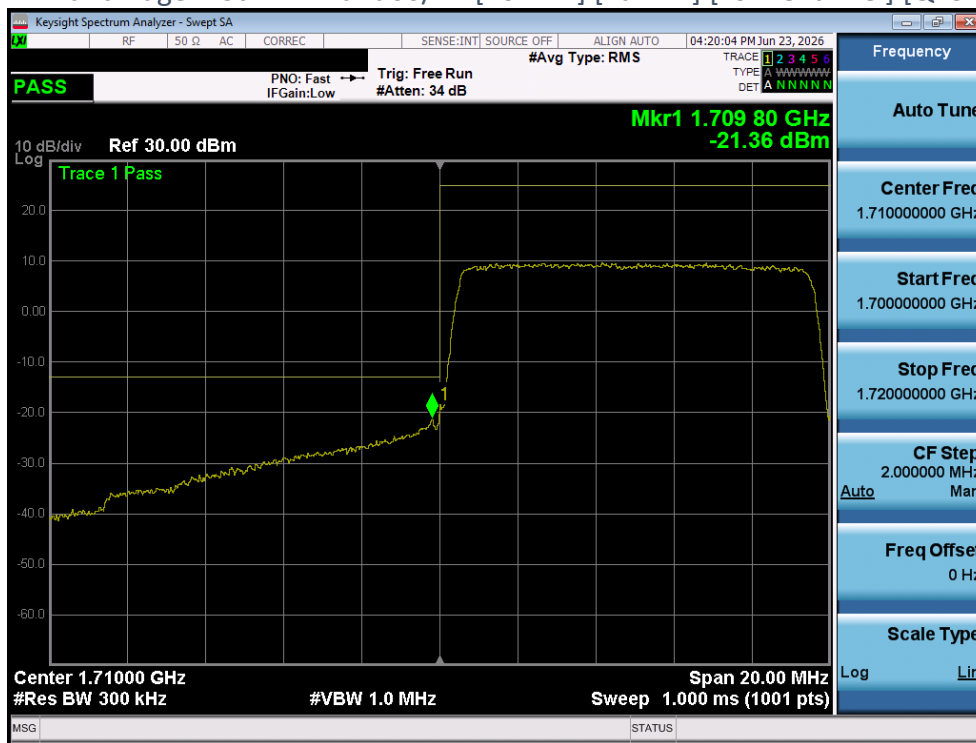
Plot 4-145 Band Edge Plot - LTE Band66/4 - [15MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-146 Band Edge Plot - LTE Band66 - [15MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



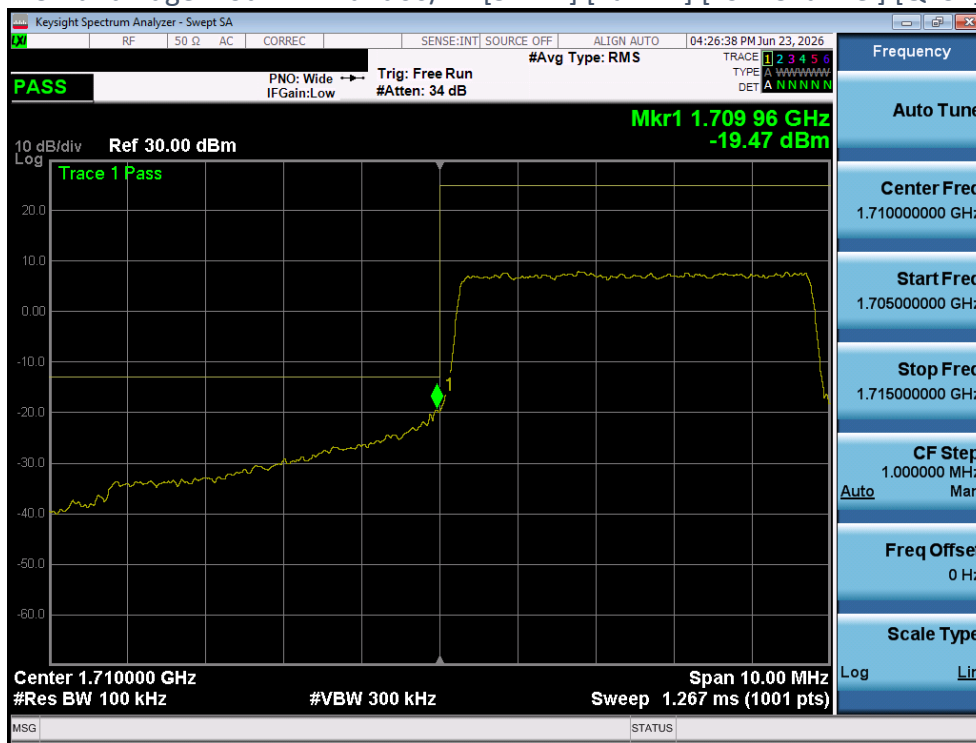
Plot 4-147 Band Edge Plot - LTE Band66/4 - [10MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-148 Band Edge Plot - LTE Band66 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



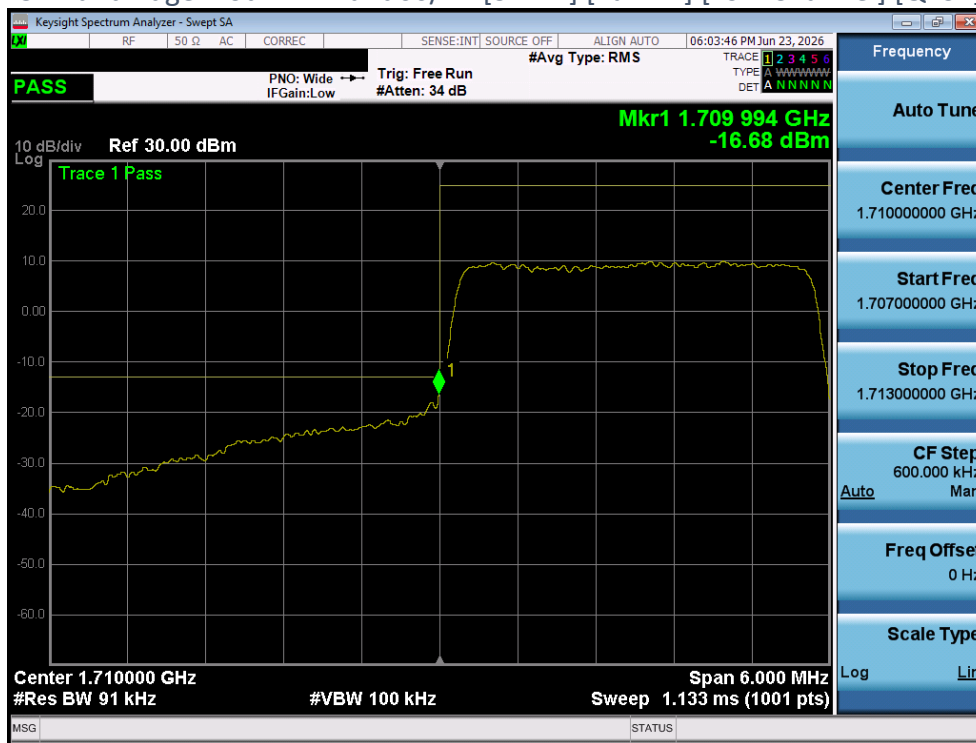
Plot 4-149 Band Edge Plot - LTE Band66/4 - [5MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-150 Band Edge Plot - LTE Band66 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-151 Band Edge Plot - LTE Band66/4 - [3MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-152 Band Edge Plot - LTE Band66 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-153 Band Edge Plot - LTE Band66/4 - [1.4MHz] [Full RB] [Low Channel] [QPSK] [Ant 2]



Plot 4-154 Band Edge Plot - LTE Band66 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-155 Band Edge Plot - LTE Band4 - [20MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-156 Band Edge Plot - LTE Band4 - [15MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-157 Band Edge Plot - LTE Band4 - [10MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-158 Band Edge Plot - LTE Band4 - [5MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-159 Band Edge Plot - LTE Band4 - [3MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



Plot 4-160 Band Edge Plot - LTE Band4 - [1.4MHz] [Full RB] [High Channel] [QPSK] [Ant 2]



4.7. Conducted Spurious Emissions

4.7.1. Regulatory Limit

§Part. 27.53(c) & RSS-130(4.7) For LTE Band 13

The unwanted emissions in any 100 kHz bandwidth on any frequency outside the low frequency edge and the high frequency edge of each frequency block range(s), shall be attenuated below the transmitter power, P (dBW), by at least $43 + 10 \log_{10} p$ (watts), dB

On all frequencies between 763-775 MHz and 793-805 MHz, by a factor not less than $65 + 10 \log (P)$ dB in a 6.25 kHz band segment, for mobile and portable stations;

§Part. 27.53(g) & RSS-130(4.7.1) For Band 12

The power of any emission outside a 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, by at least $43 + 10 \log (P)$ dB.

§Part. 27.53(h) & RSS-139(5.6) For LTE Band 66/4

The power of any emission outside a licensee's frequency block shall be attenuated below the transmitter power (P) in watts by at least $43 + 10 \log_{10} (P)$ dB

4.7.2. Test Method

ANSI C63.26-2015, clause 5.7.4

4.7.3. Test Procedure

The measurement range defined by the start and stop frequencies was subdivided based on the frequency block requirements. The procedure for this method is follows:

- a) Set RBW = 1 MHz
- b) Set the VBW $\geq 3 \times$ RBW.
- c) Detector = RMS.
- d) Trace mode = Average.
- e) Set Number of points Sweep $\geq 2 \times$ (span / RBW)
- f) When unwanted noise or emissions are detected close to the limit, the sweep time is increased to perform a detailed measurement and capture the accurate signal level.(sweep time > number of points in sweep $\times$ symbol period)

Test Note

- ✓ All out of band spurious emissions were measured up to more than the 10th harmonic.
- ✓ Tests were conducted under QPSK modulation, which represents the worst-case scenario with the highest power level across all bandwidths.
- ✓ Although all transmission bandwidths and RB allocations including Full RB and 1 RB were evaluated, only the worst-case results are reported herein.
- ✓ Frequency Ranges A, B, C, D and E represent separate out-of-band emission frequency ranges for each operating band.

4.7.4. Test Results

Table 4-16 Conducted Spurious Emissions Data LTE Band 13 Ant1

Band	Mod.	CH	BW [MHz]	Freq. [MHz]	RB Size/Offset	Range	Measurement Range [MHz]		Level [dBm]	Limit [dBm]	Margin [dB]
							Start Freq.	End Freq.			
LTE Band 13	QPSK	Mid	10	782	1/25	A	30	to 777	-70.22	-35	-35.22
					50/0	B	763	to 775	-59.91	-35	-24.91
					50/0	C	793	to 806	-50.12	-35	-15.12
					1/25	D	787	to 1000	-47.45	-35	-12.45
					1/25	E	1000	to 10000	-38.99	-13	-25.99

Table 4-17 Conducted Spurious Emissions Data LTE Band 13 Ant2

Band	Mod.	CH	BW [MHz]	Freq. [MHz]	RB Size/Offset	Range	Measurement Range [MHz]		Level [dBm]	Limit [dBm]	Margin [dB]
							Start Freq.	End Freq.			
LTE Band 13	QPSK	Mid	10	782	1/25	A	30	to 777	-70.54	-35	-35.54
					50/0	B	763	to 775	-61.39	-35	-26.39
					50/0	C	793	to 806	-51.46	-35	-16.46
					1/25	D	787	to 1000	-48.31	-35	-13.31
					1/25	E	1000	to 10000	-38.91	-13	-25.91

Plot 4-161 CSE Plot - LTE Band13 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range A] [Ant 1]



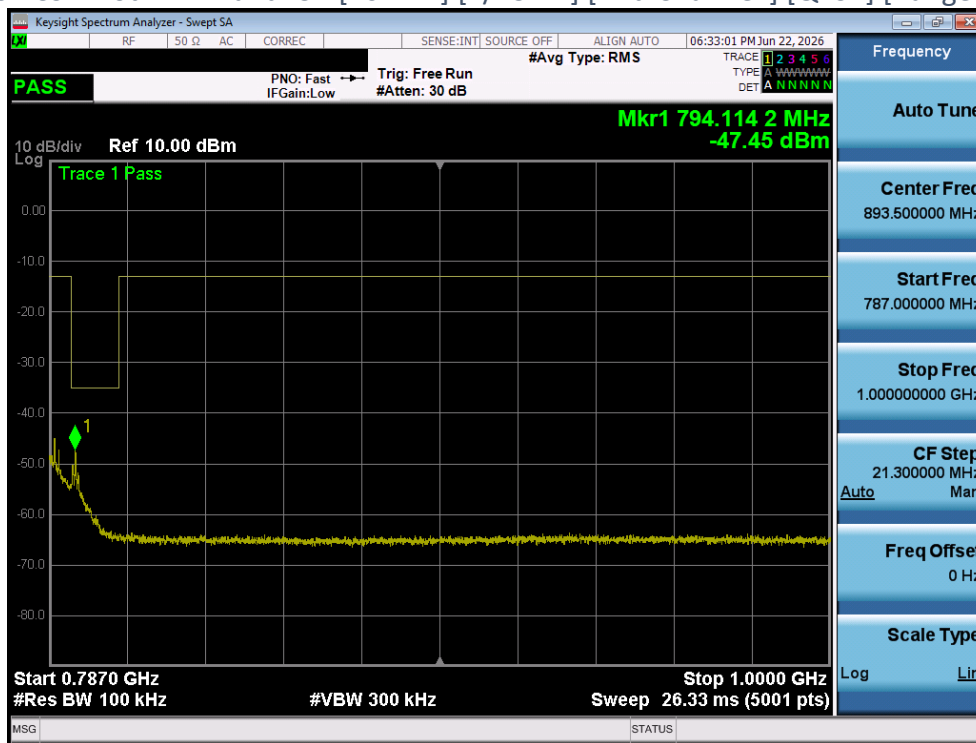
Plot 4-162 CSE Plot - LTE Band13 - [10MHz] [50/0 RB] [Mid Channel] [QPSK] [Range B] [Ant 1]



Plot 4-163 CSE Plot - LTE Band13 - [10MHz] [50/0 RB] [Mid Channel] [QPSK] [Range C] [Ant 1]



Plot 4-164 CSE Plot - LTE Band13 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range D] [Ant 1]



Plot 4-165 CSE Plot - LTE Band13 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range E] [Ant 1]



Plot 4-166 CSE Plot - LTE Band13 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range A] [Ant 2]



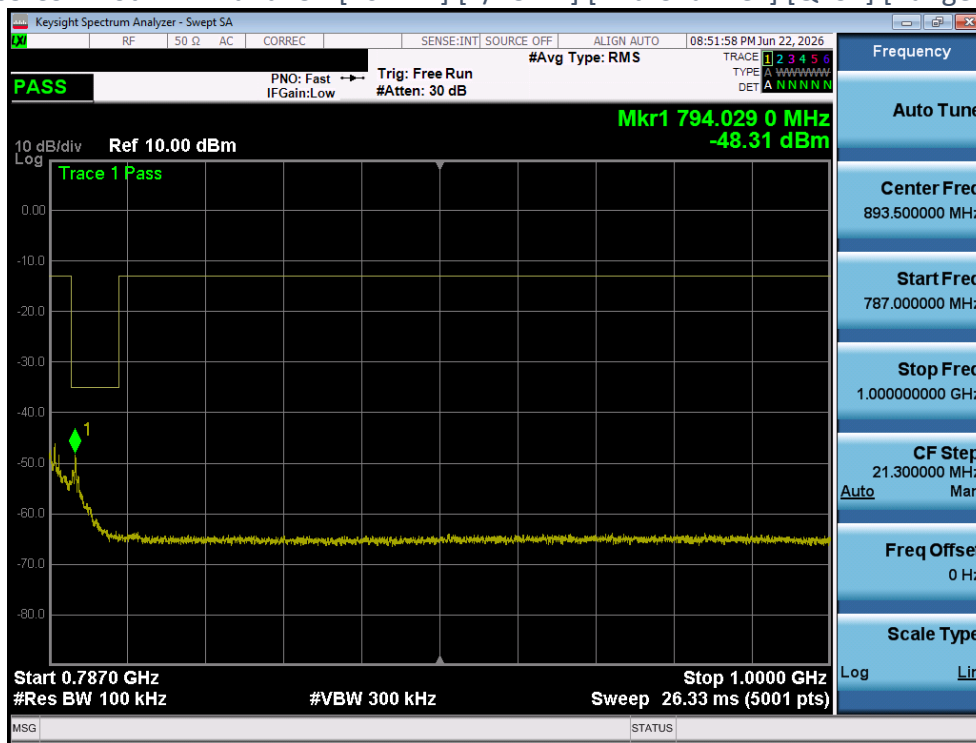
Plot 4-167 CSE Plot - LTE Band13 - [10MHz] [50/0 RB] [Mid Channel] [QPSK] [Range B] [Ant 2]



Plot 4-168 CSE Plot - LTE Band13 - [10MHz] [50/0 RB] [Mid Channel] [QPSK] [Range C] [Ant 2]



Plot 4-169 CSE Plot - LTE Band13 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range D] [Ant 2]



Plot 4-170 CSE Plot - LTE Band13 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range E] [Ant 2]



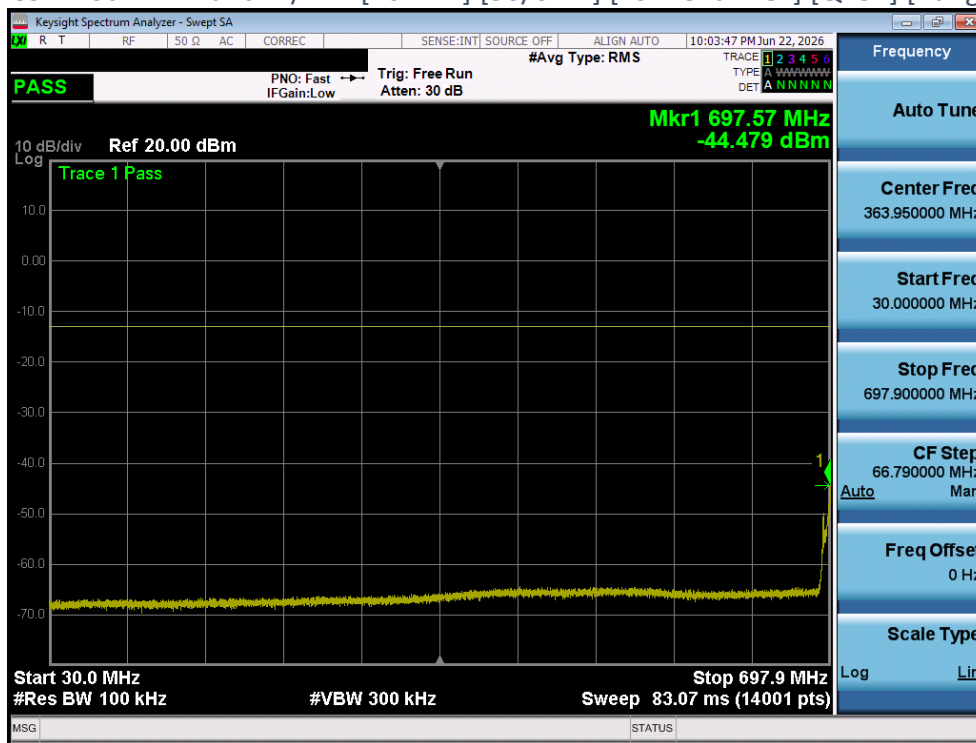
Table 4-18 Conducted Spurious Emissions Data LTE Band 12/17 Ant1

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Range	Measurement Range [MHz]		Level [dBm]	Limit [dBm]	Margin [dB]
								Start Freq.	End Freq.			
LTE Band 12/17	10	Low	704	23060	50/0	QPSK	A	30	to 697.9	-44.48	-13	-31.48
							B	716	to 1000	-50.03	-13	-37.03
							C	1000	to 10000	-38.91	-13	-25.91
		Mid	707.5	23095	1/25	QPSK	A	30	to 698	-46.36	-13	-33.36
							B	716	to 1000	-52.39	-13	-39.39
							C	1000	to 10000	-38.93	-13	-25.93
		High	711	23130	50/0	QPSK	A	30	to 698	-52.06	-13	-39.06
							B	716.1	to 1000	-48.98	-13	-35.98
							C	1000	to 10000	-38.86	-13	-25.86

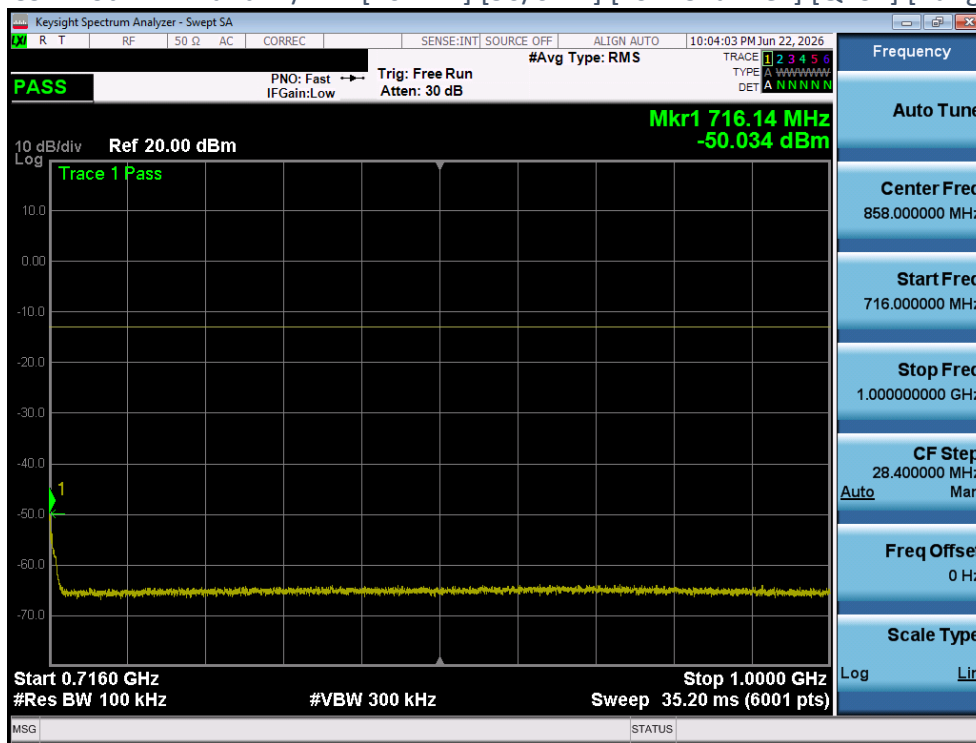
Table 4-19 Conducted Spurious Emissions Data LTE Band 12/17 Ant2

Band	Band Width [MHz]	Channel	Frequency [MHz]	Earfcn UL	RB Size/Offset	Modulation	Range	Measurement Range [MHz]		Level [dBm]	Limit [dBm]	Margin [dB]
								Start Freq.	End Freq.			
LTE Band 12/17	10	Low	704	23060	50/0	QPSK	A	30	to 697.9	-46.31	-13	-33.31
							B	716	to 1000	-49.37	-13	-36.37
							C	1000	to 10000	-38.81	-13	-25.81
		Mid	707.5	23095	1/25	QPSK	A	30	to 698	-49.74	-13	-36.74
							B	716	to 1000	-52.61	-13	-39.61
							C	1000	to 10000	-39.00	-13	-26.00
		High	711	23130	50/0	QPSK	A	30	to 698	-53.34	-13	-40.34
							B	716.1	to 1000	-48.40	-13	-35.40
							C	1000	to 10000	-38.63	-13	-25.63

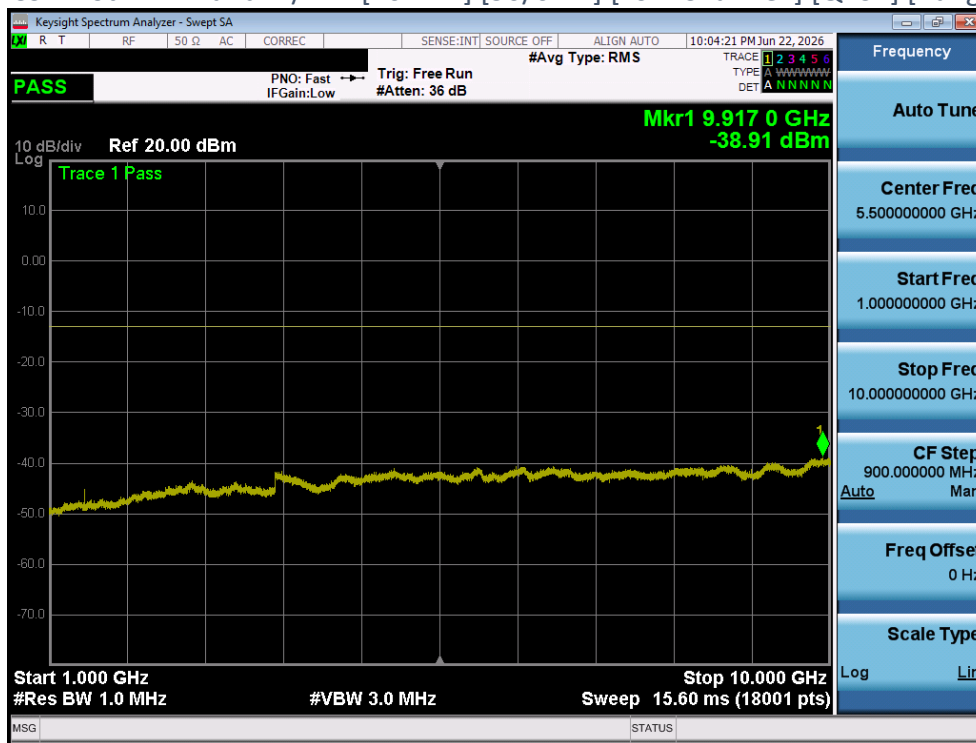
Plot 4-171 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [Low Channel] [QPSK] [Range A] [Ant 1]



Plot 4-172 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [Low Channel] [QPSK] [Range B] [Ant 1]



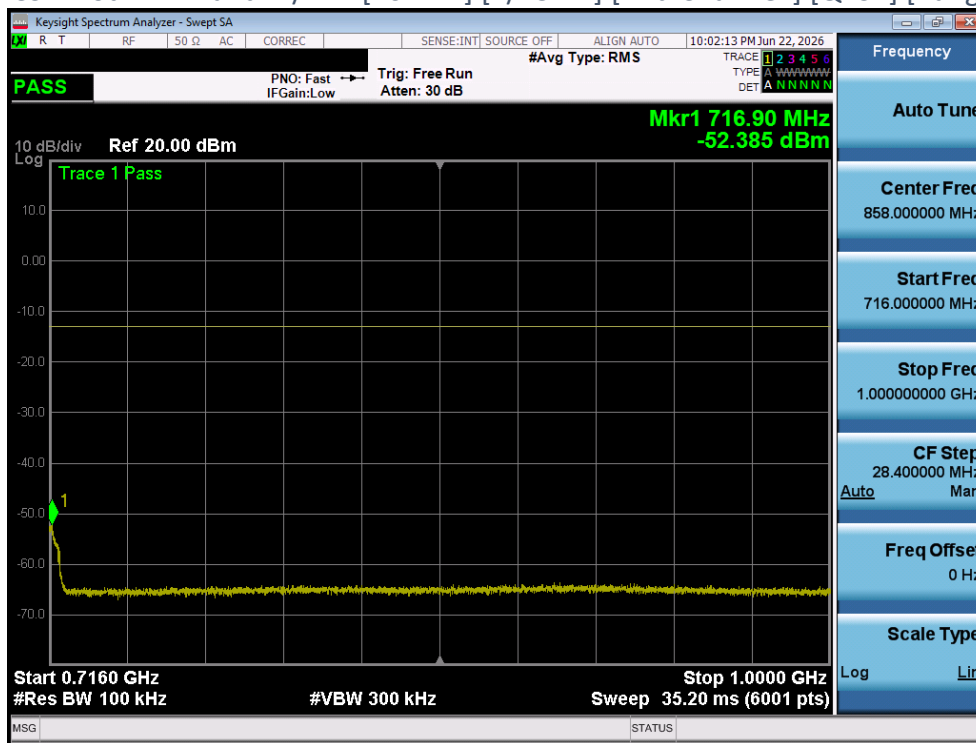
Plot 4-173 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [Low Channel] [QPSK] [Range C] [Ant 1]



Plot 4-174 CSE Plot - LTE Band12/17 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range A] [Ant 1]



Plot 4-175 CSE Plot - LTE Band12/17 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range B] [Ant 1]



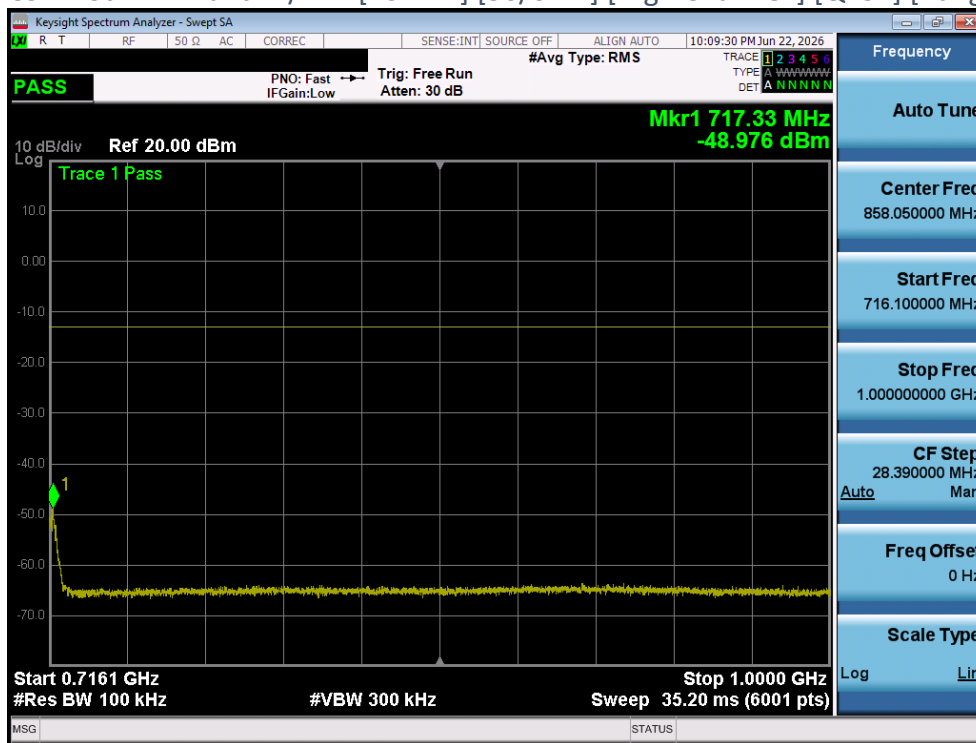
Plot 4-176 CSE Plot - LTE Band12/17 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range C] [Ant 1]



Plot 4-177 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [High Channel] [QPSK] [Range A] [Ant 1]



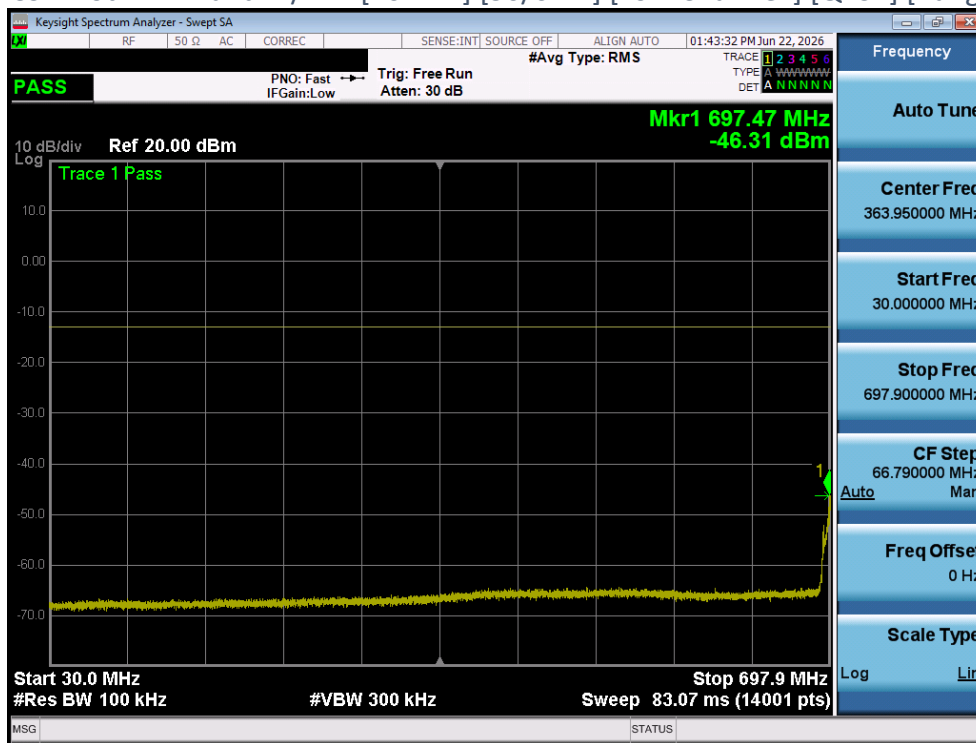
Plot 4-178 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [High Channel] [QPSK] [Range B] [Ant 1]



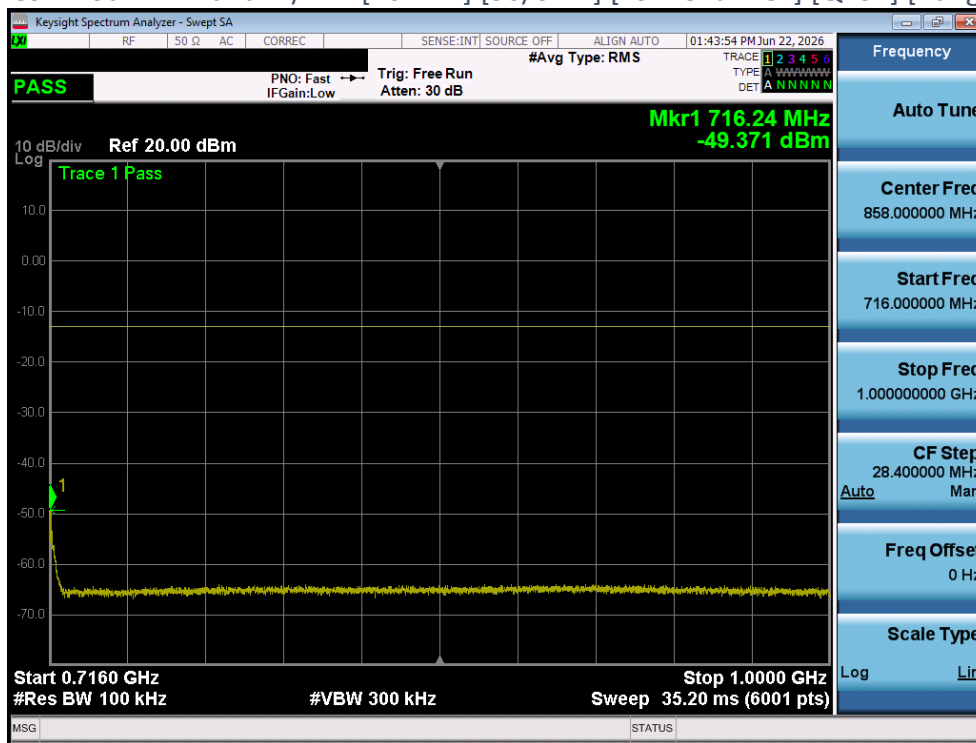
Plot 4-179 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [High Channel] [QPSK] [Range C] [Ant 1]



Plot 4-180 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [Low Channel] [QPSK] [Range A] [Ant 2]



Plot 4-181 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [Low Channel] [QPSK] [Range B] [Ant 2]



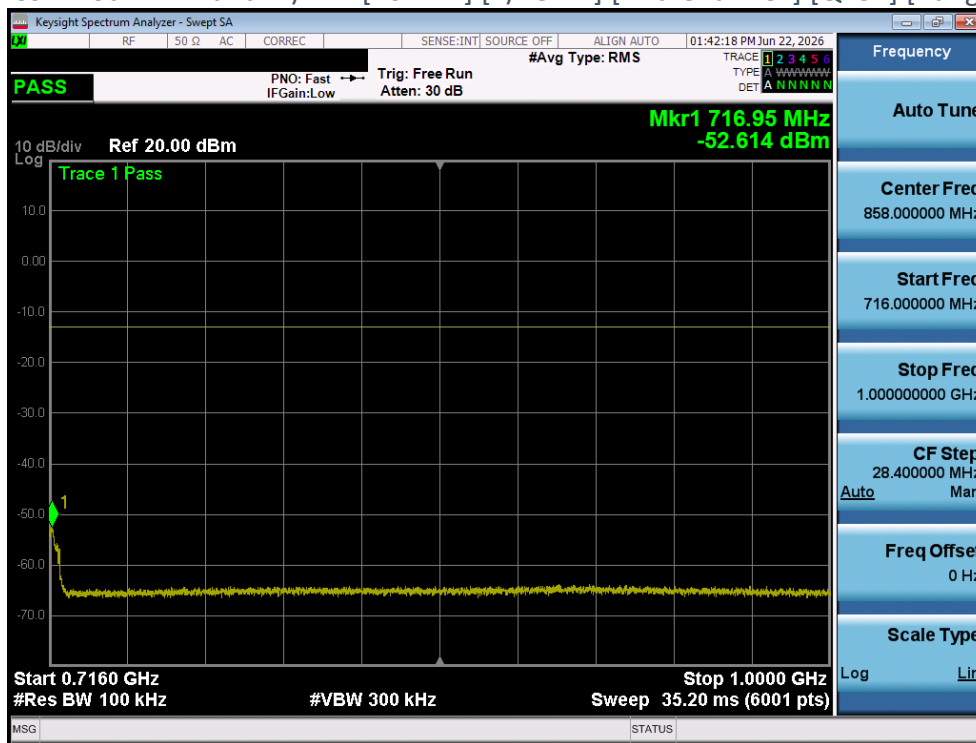
Plot 4-182 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [Low Channel] [QPSK] [Range C] [Ant 2]



Plot 4-183 CSE Plot - LTE Band12/17 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range A] [Ant 2]



Plot 4-184 CSE Plot - LTE Band12/17 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range B] [Ant 2]



Plot 4-185 CSE Plot - LTE Band12/17 - [10MHz] [1/25 RB] [Mid Channel] [QPSK] [Range C] [Ant 2]



Plot 4-186 CSE Plot - LTE Band12/17 - [10MHz] [50/0 RB] [High Channel] [QPSK] [Range A] [Ant 2]

