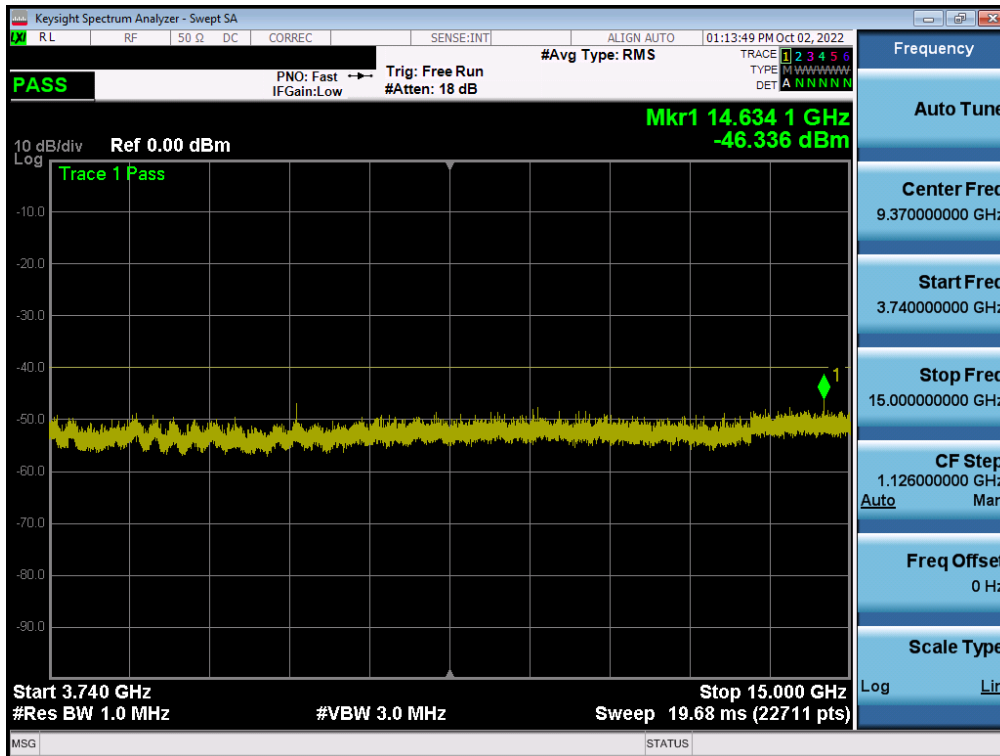
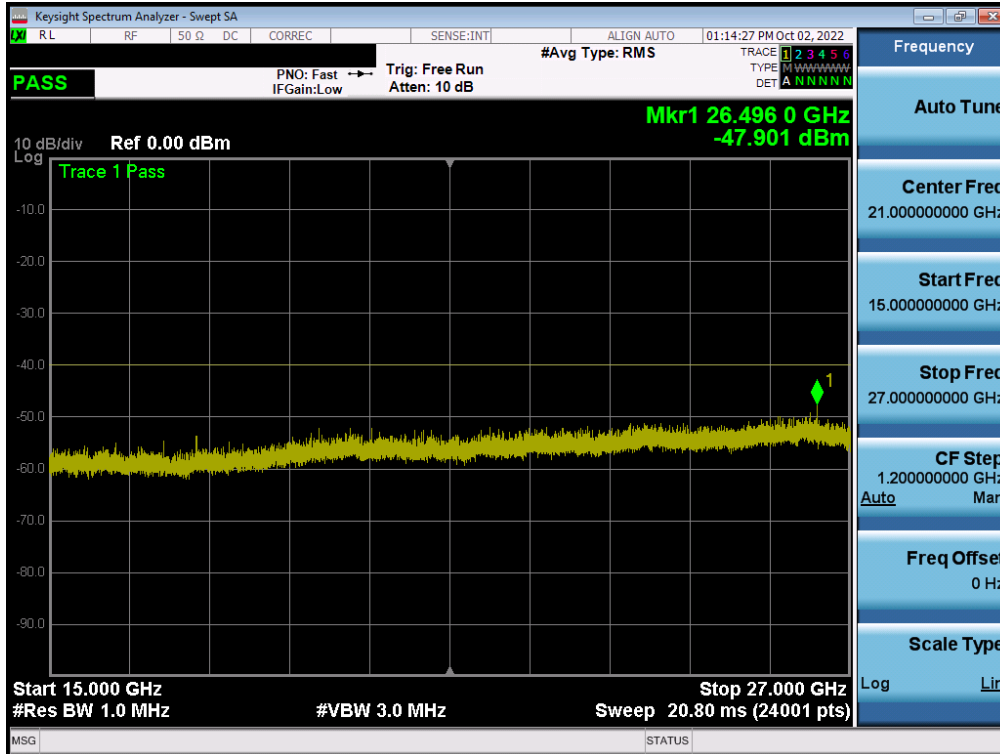


Plot 7-75. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant C)

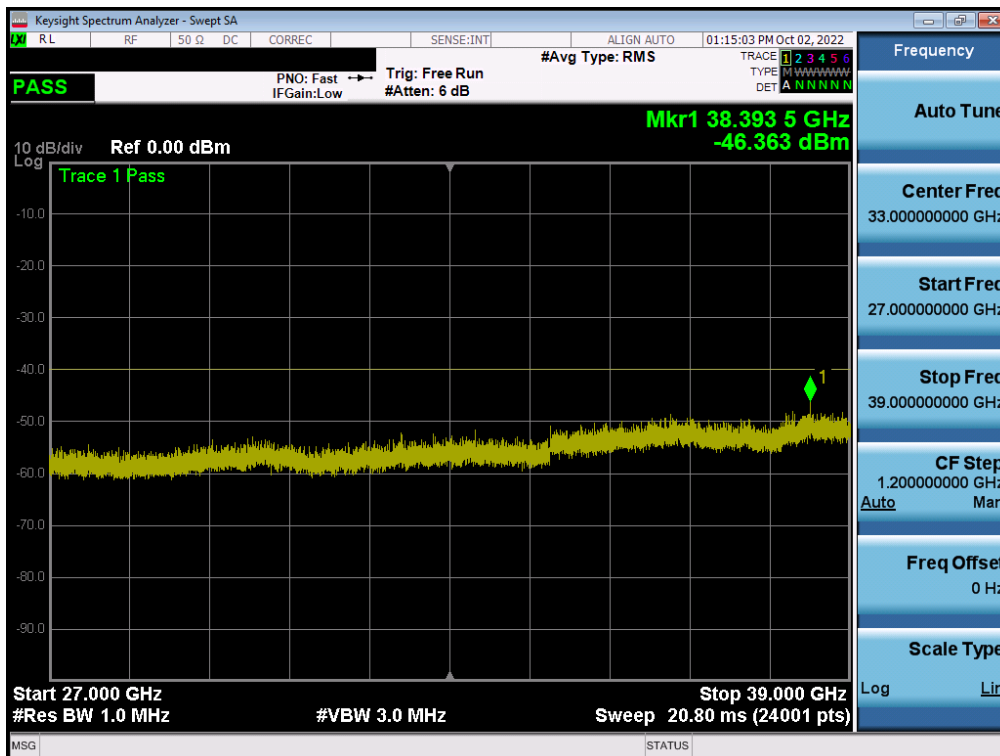


Plot 7-76. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant C)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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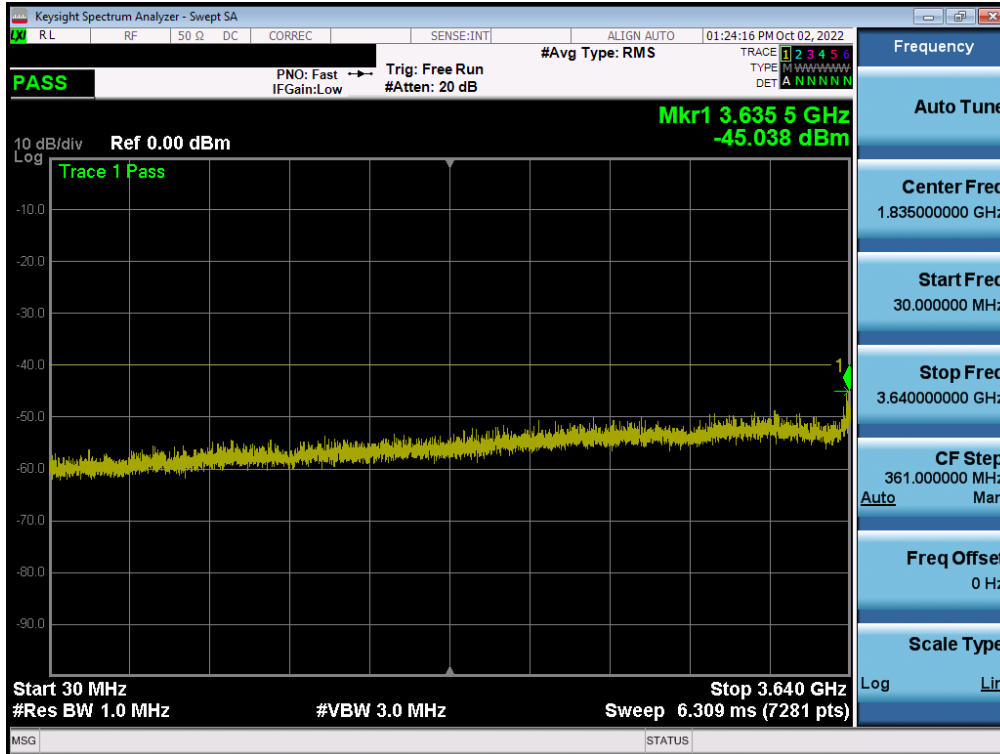


Plot 7-77. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant C)

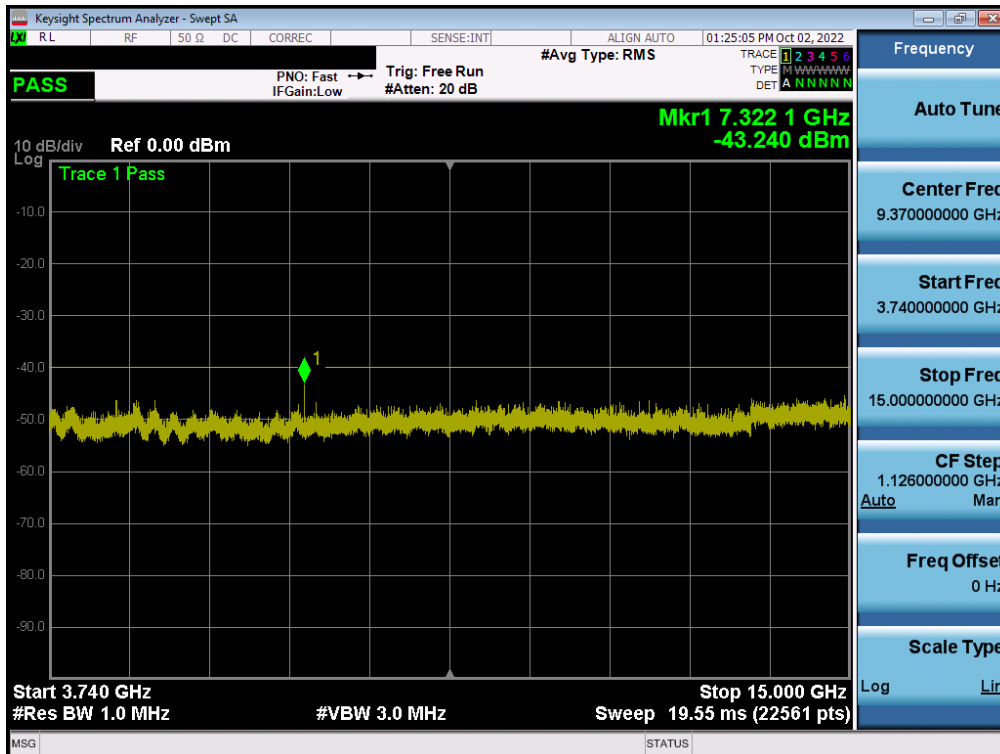


Plot 7-78. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant C)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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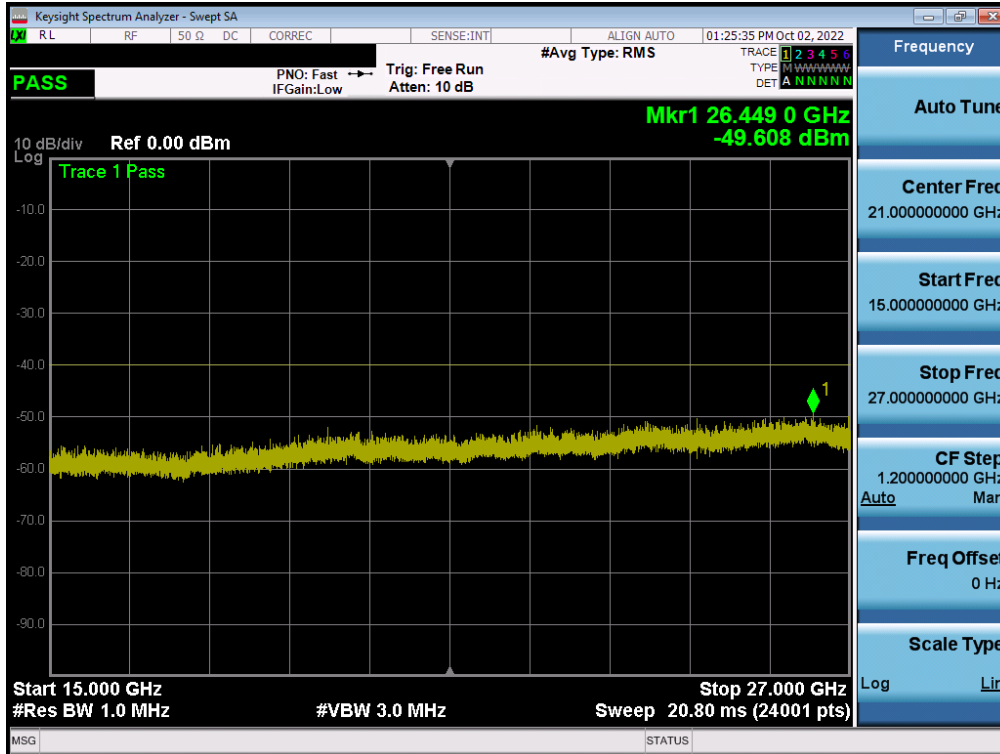


Plot 7-79. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant C)

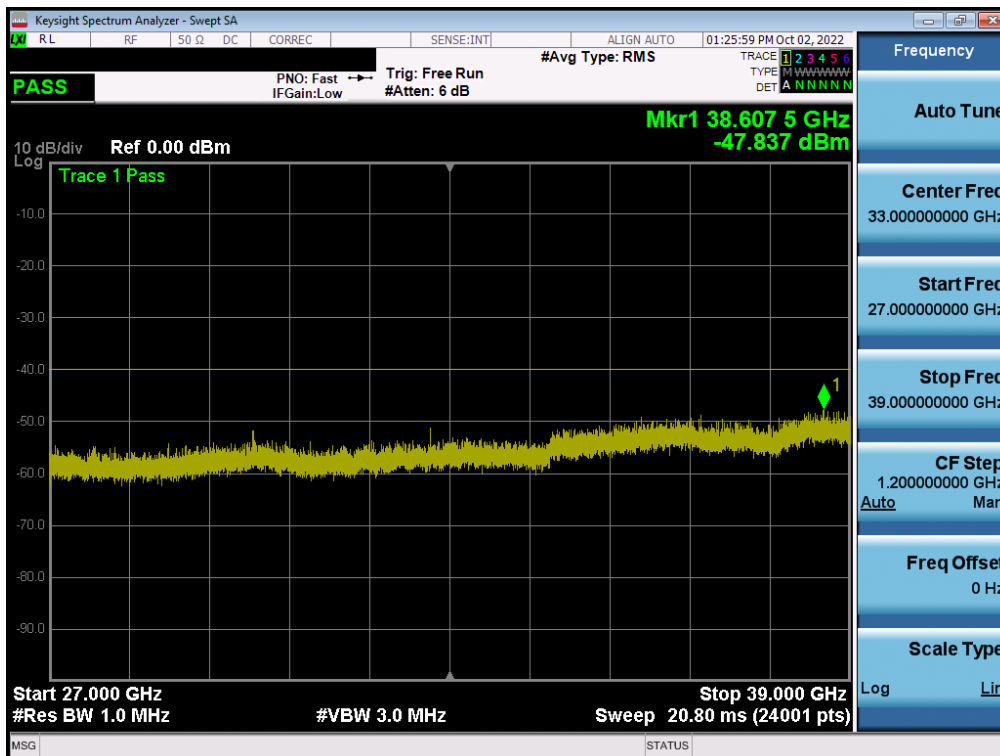


Plot 7-80. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant C)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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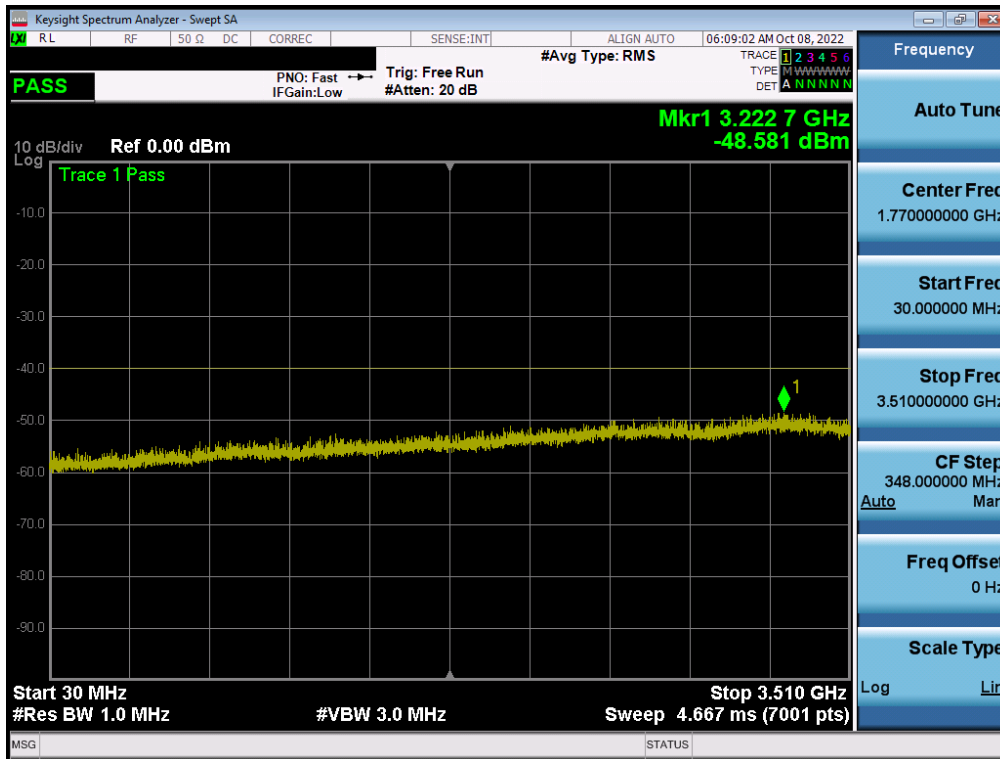
Plot 7-81. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant C)



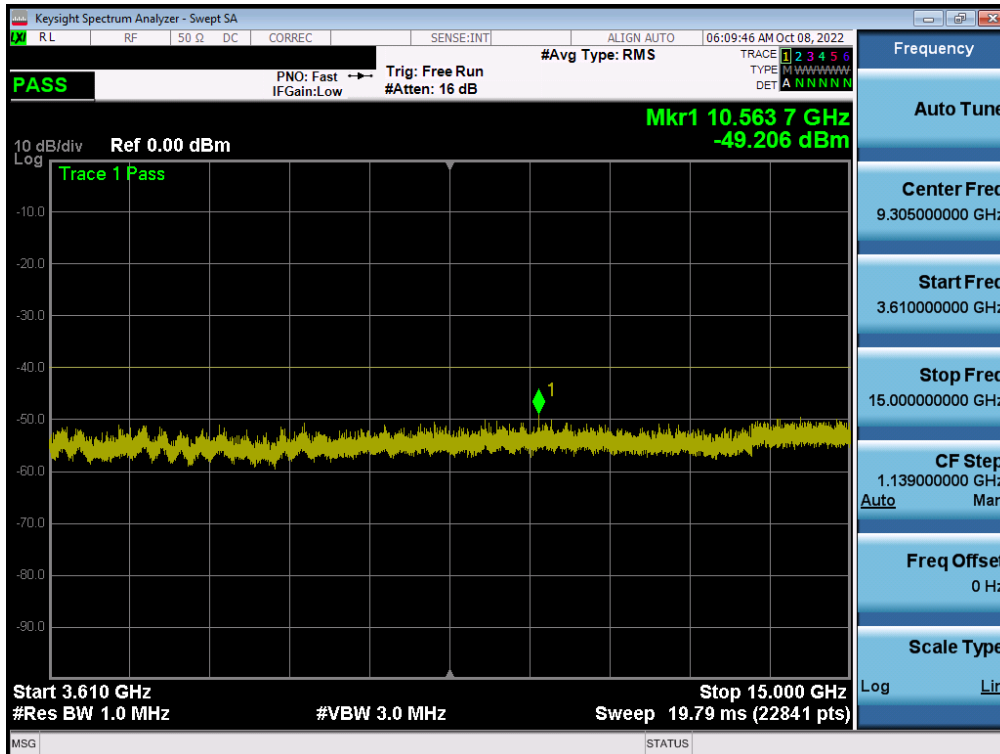
Plot 7-82. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant C)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n48 – Ant I

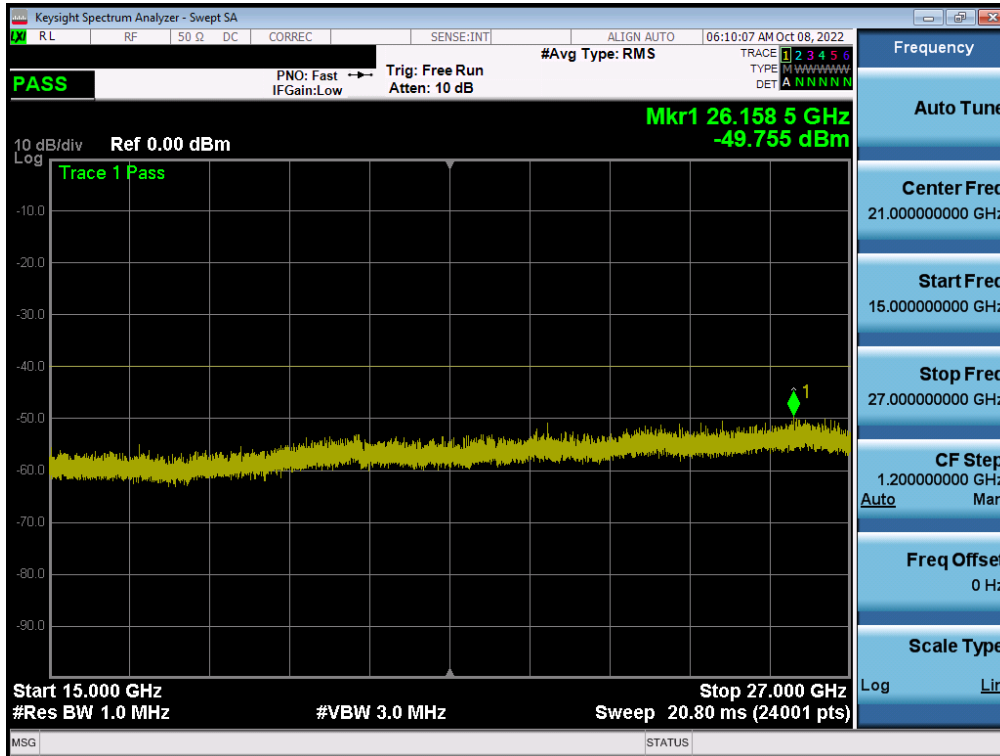


Plot 7-83. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant I)

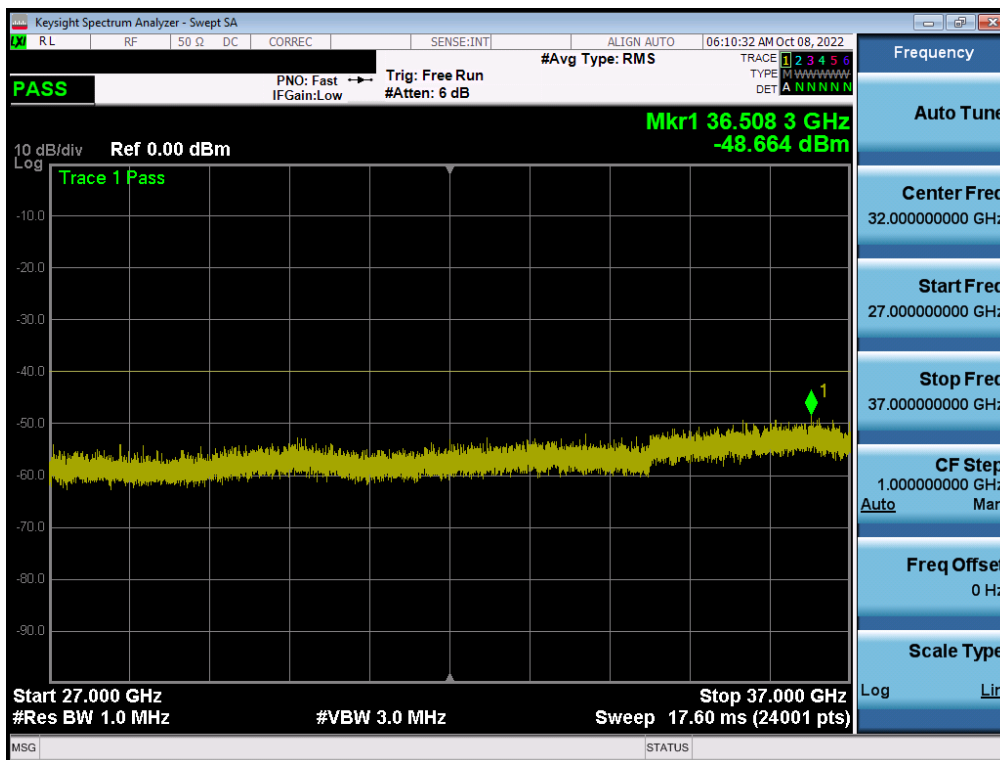


Plot 7-84. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant I)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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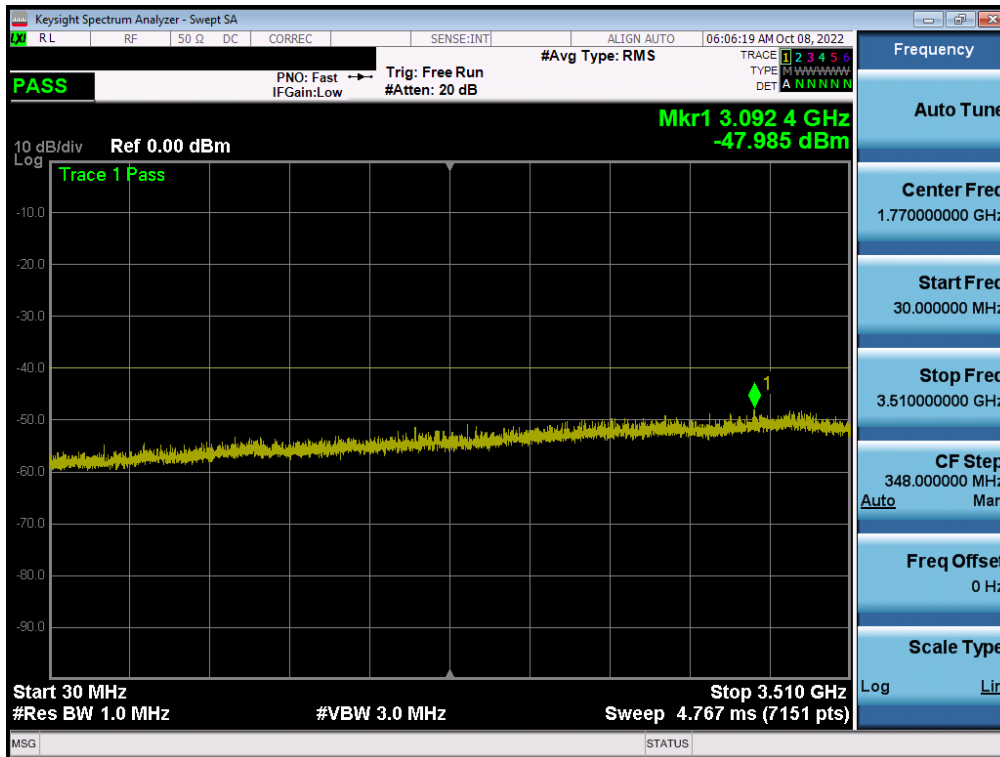


Plot 7-85. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant I)

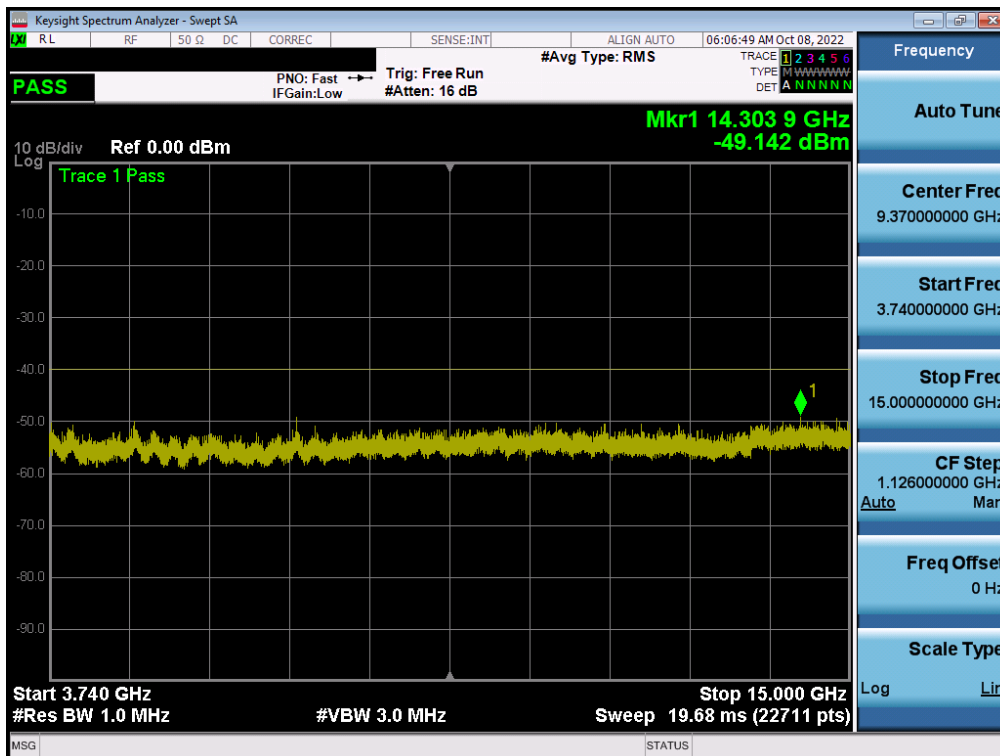


Plot 7-86. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant I)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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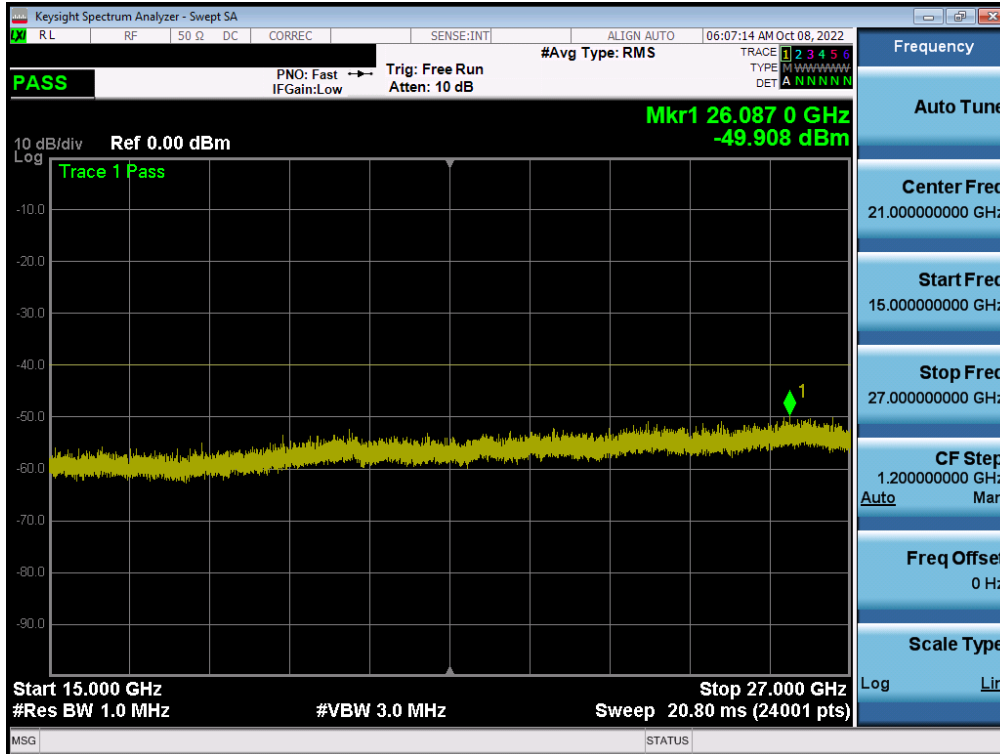


Plot 7-87. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant I)

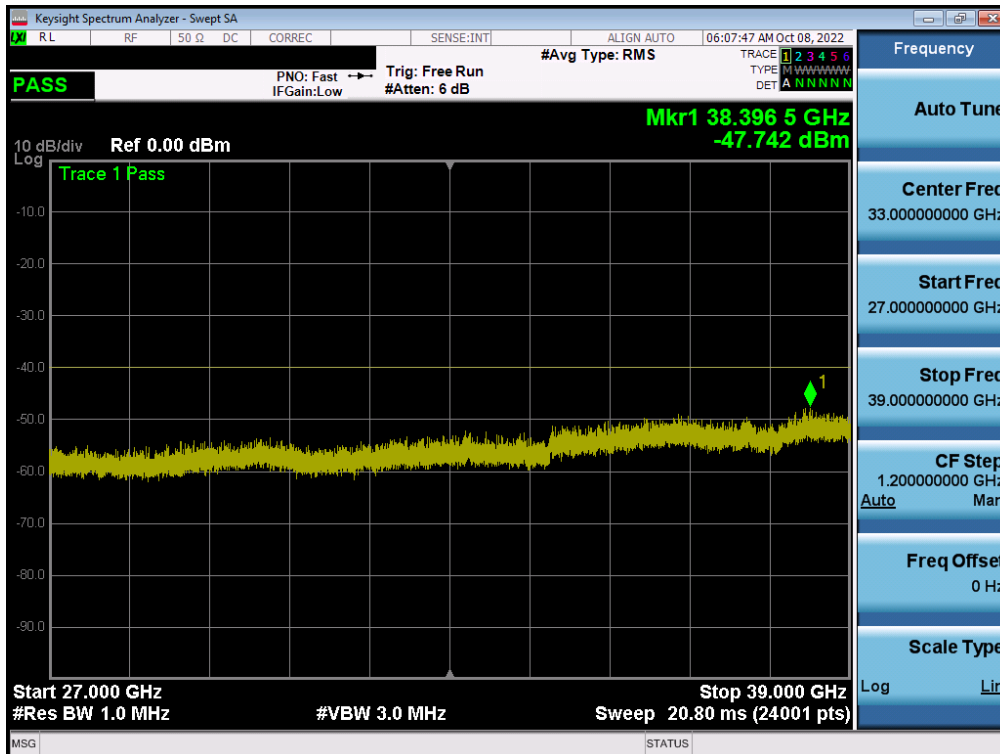


Plot 7-88. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant I)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-07.A3L	Test Dates: 09/02/2022 - 11/21/2022	EUT Type: Portable Handset
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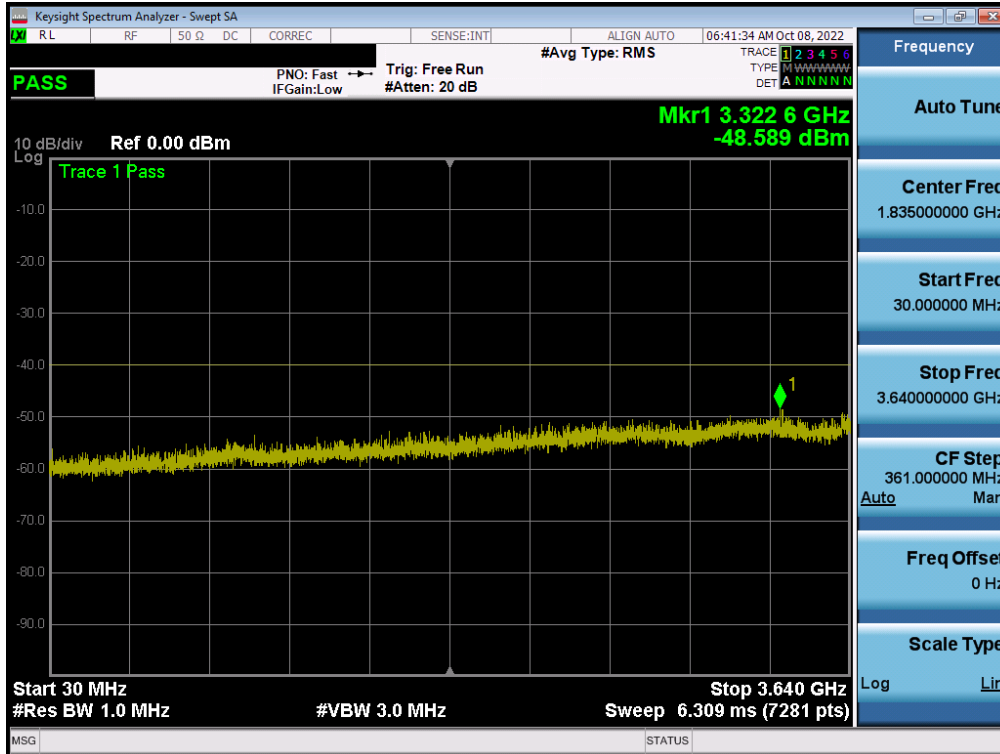


Plot 7-89. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant I)

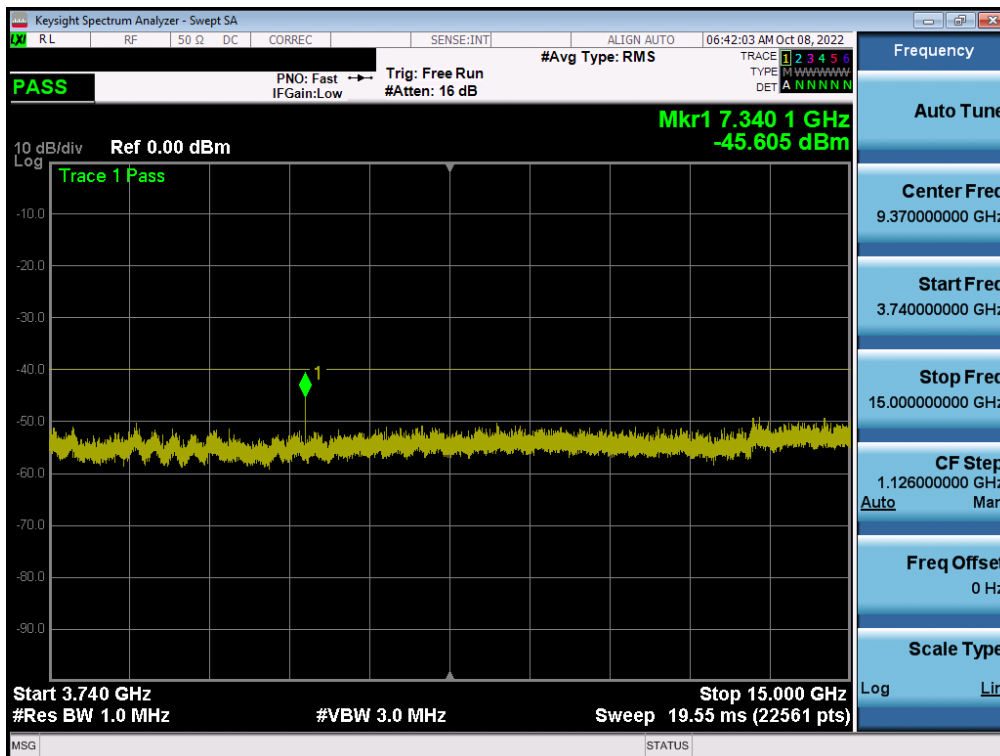


Plot 7-90. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant I)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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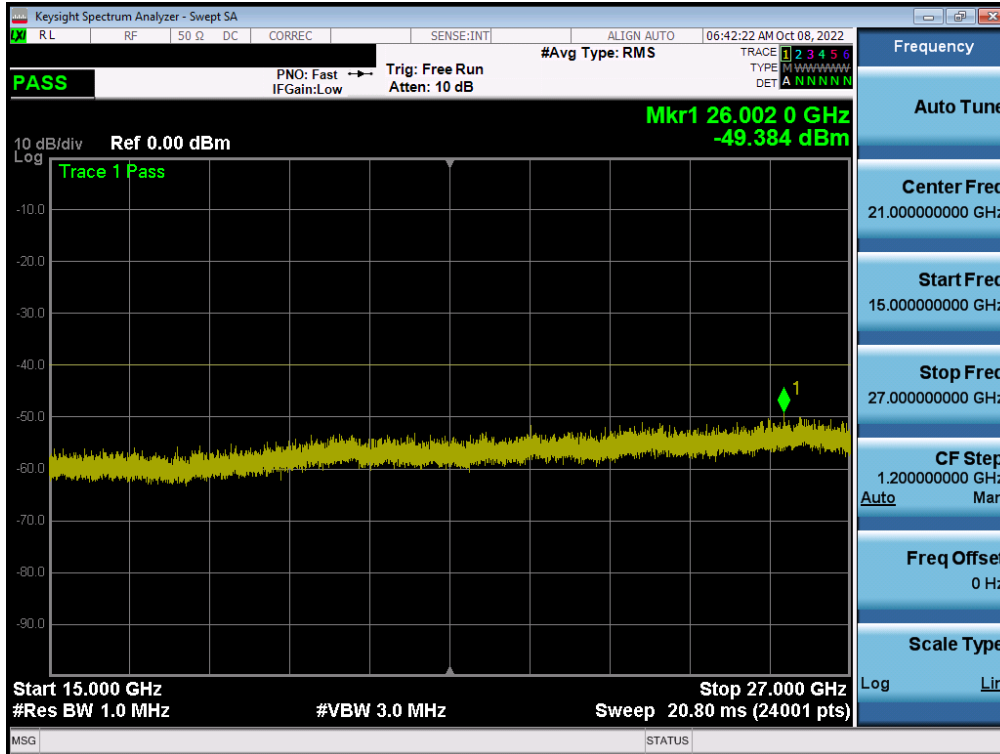


Plot 7-91. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant I)

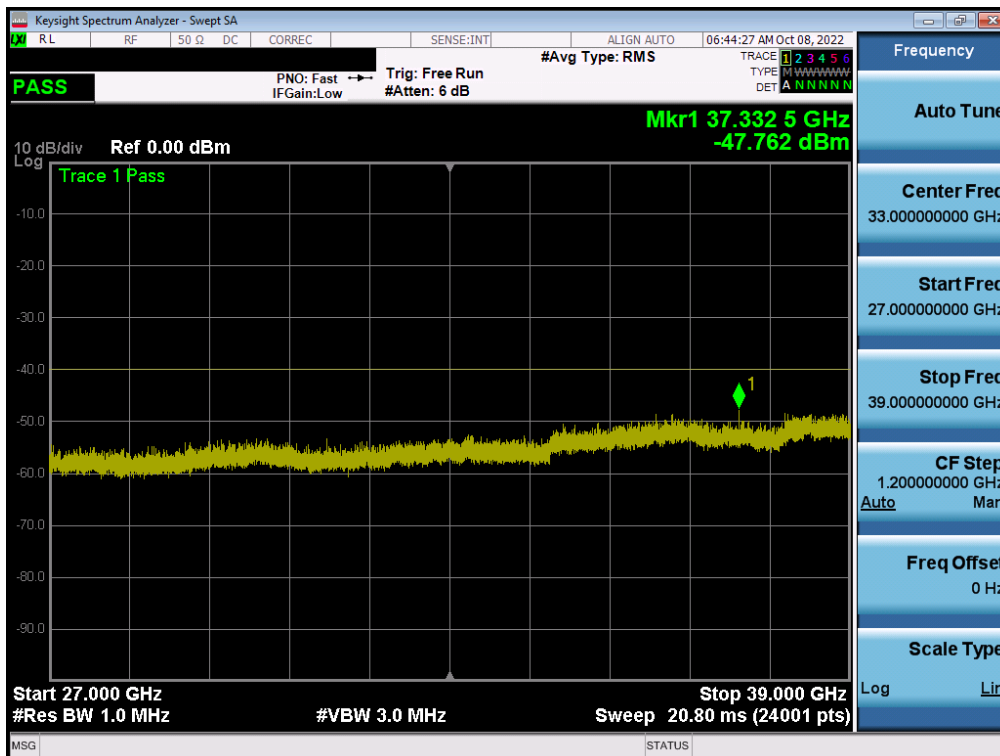


Plot 7-92. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant I)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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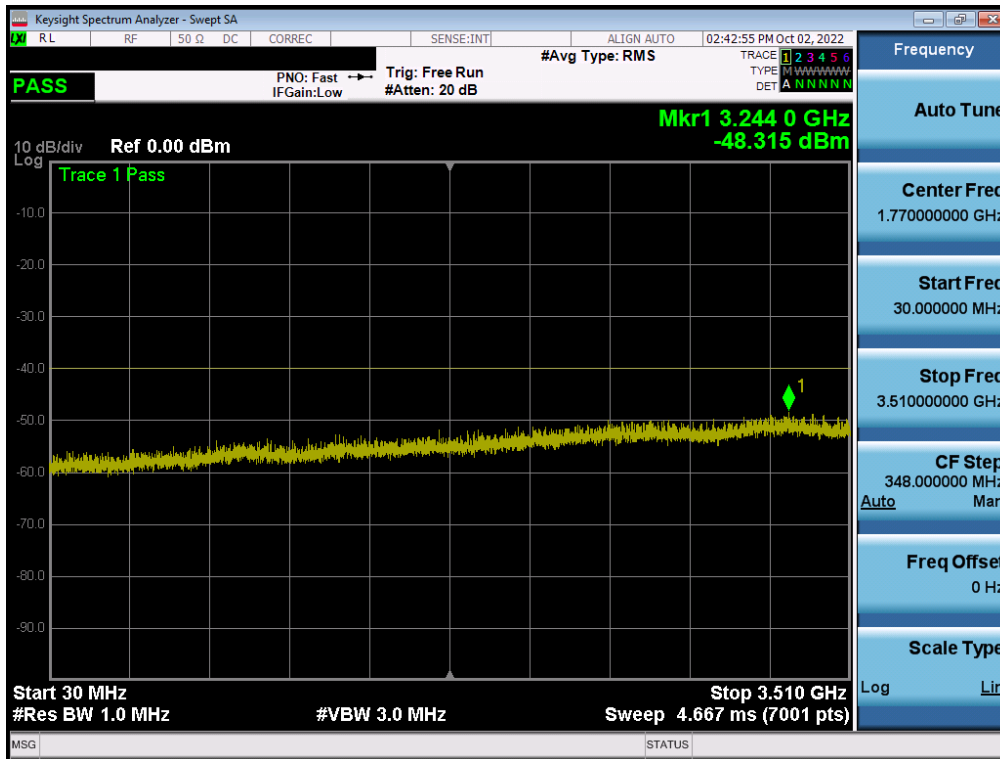
Plot 7-93. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant I)



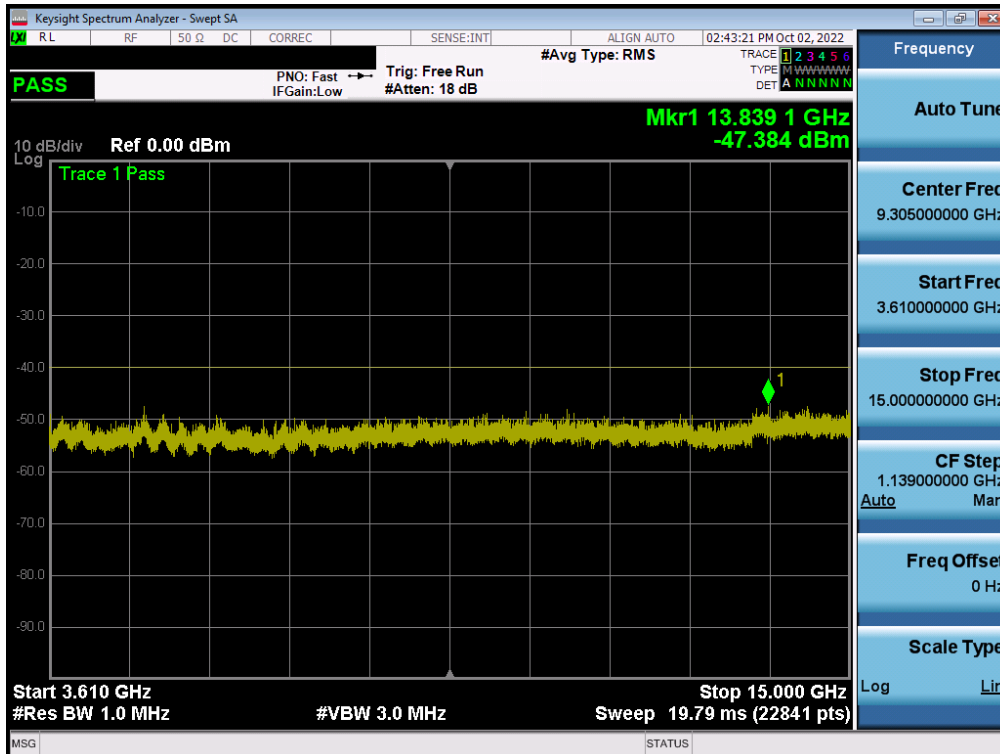
Plot 7-94. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant I)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n48 – Ant D

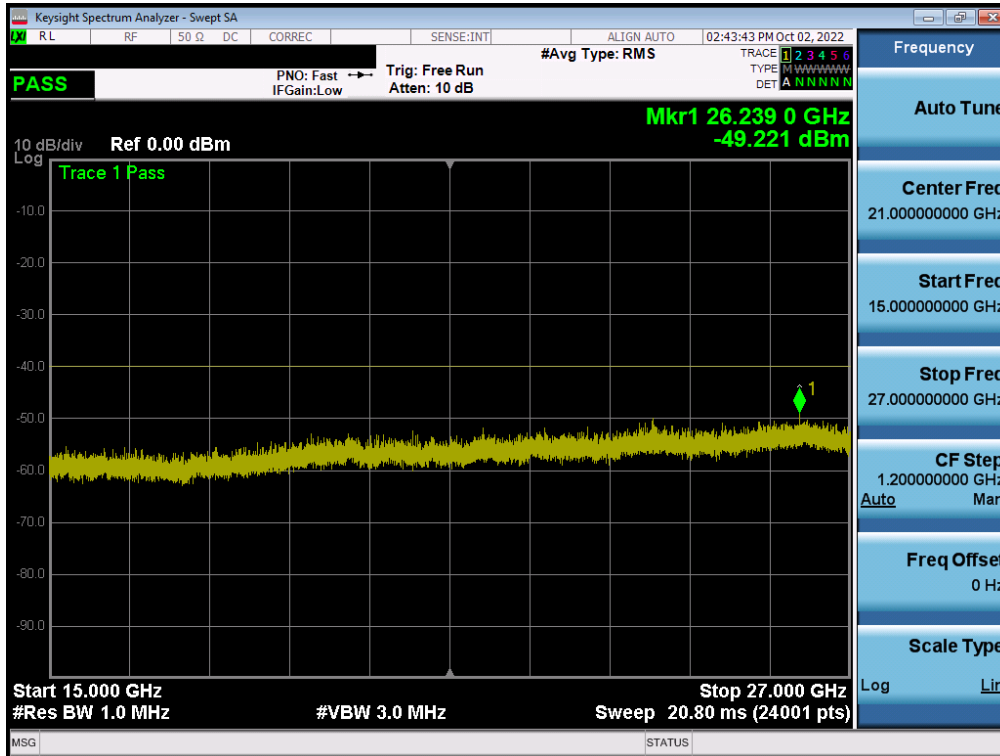


Plot 7-95. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant D)

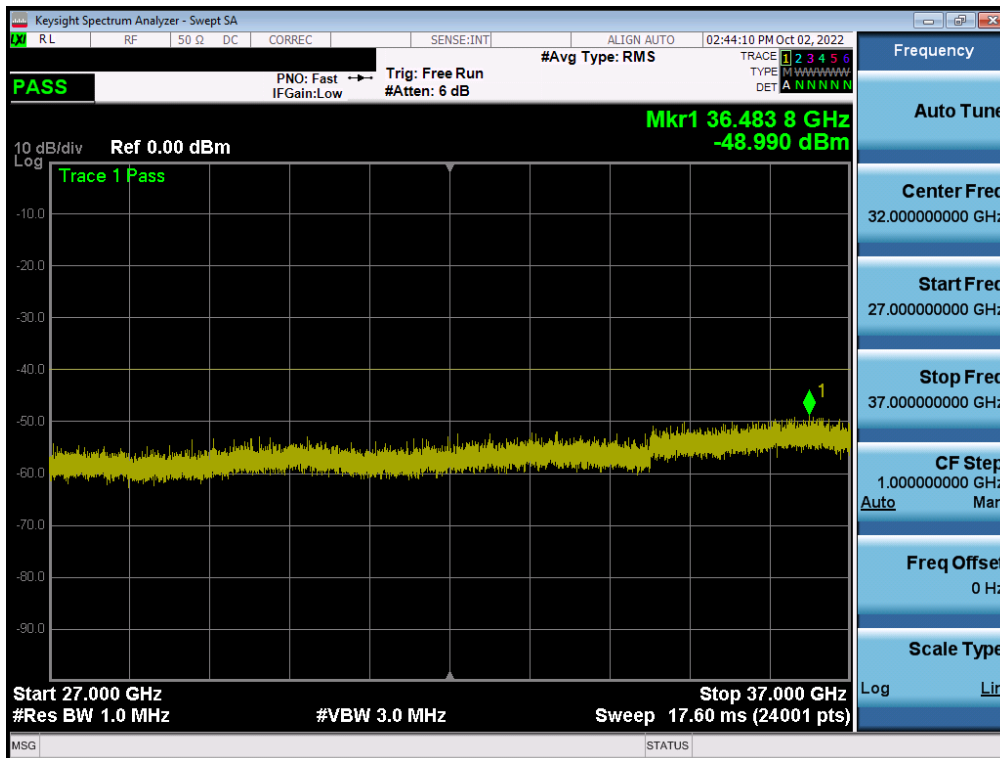


Plot 7-96. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant D)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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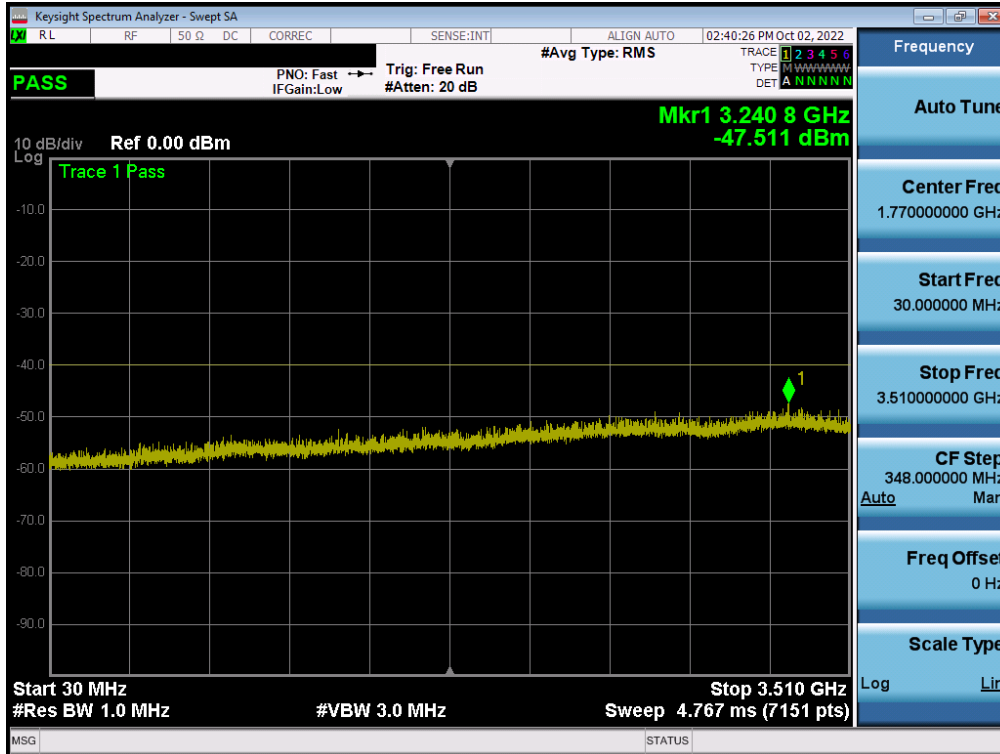


Plot 7-97. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant D)

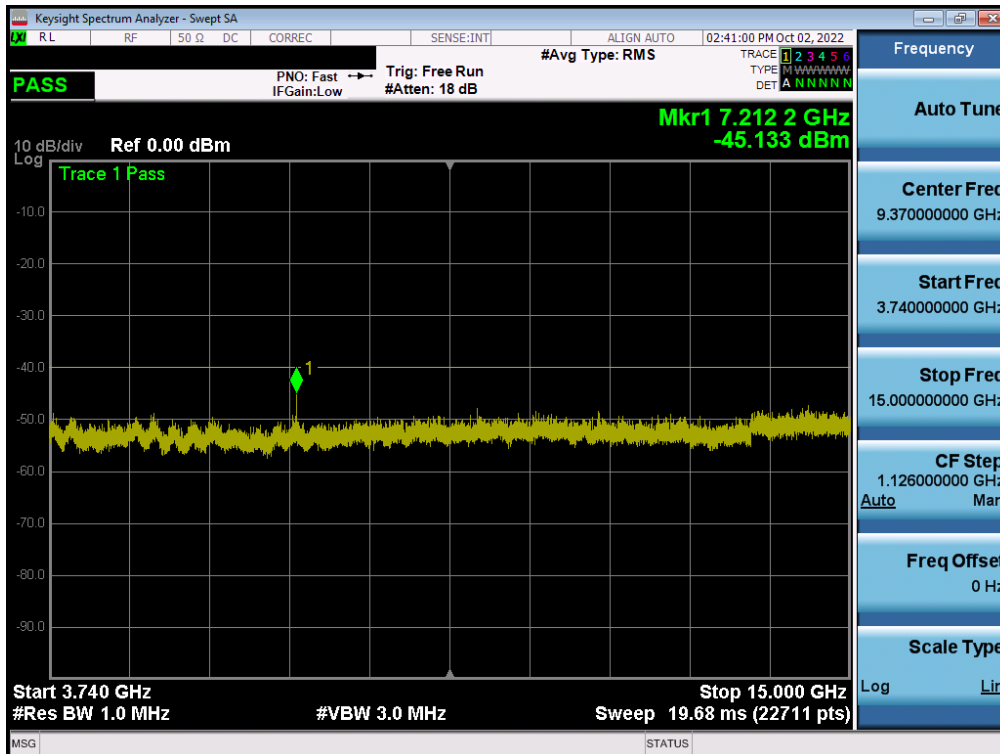


Plot 7-98. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant D)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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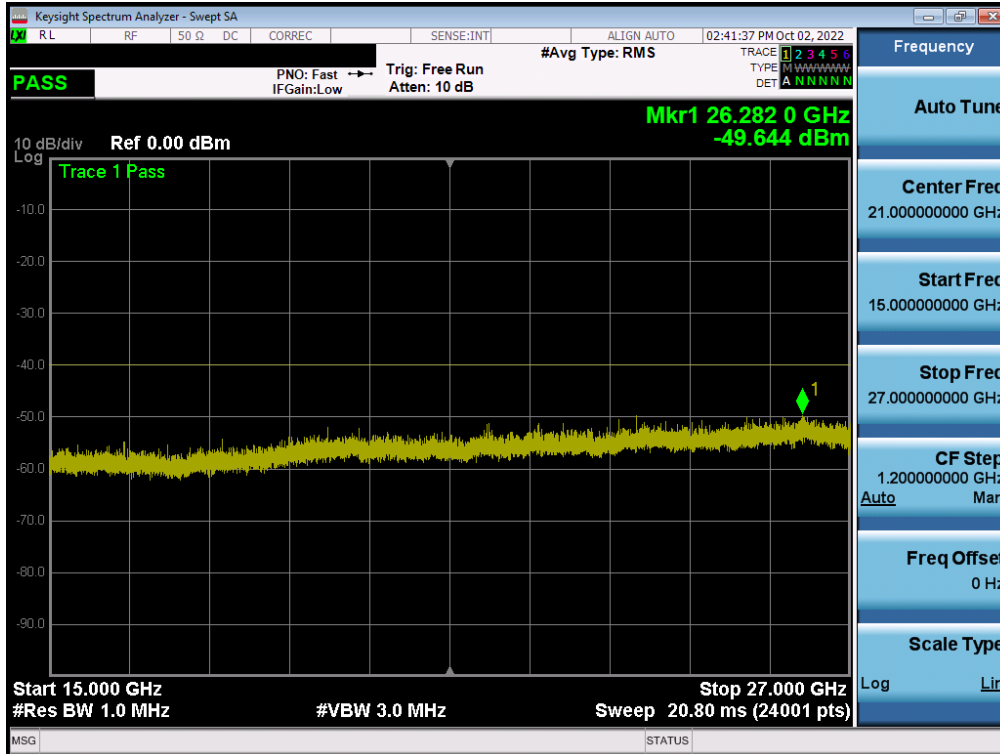


Plot 7-99. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant D)

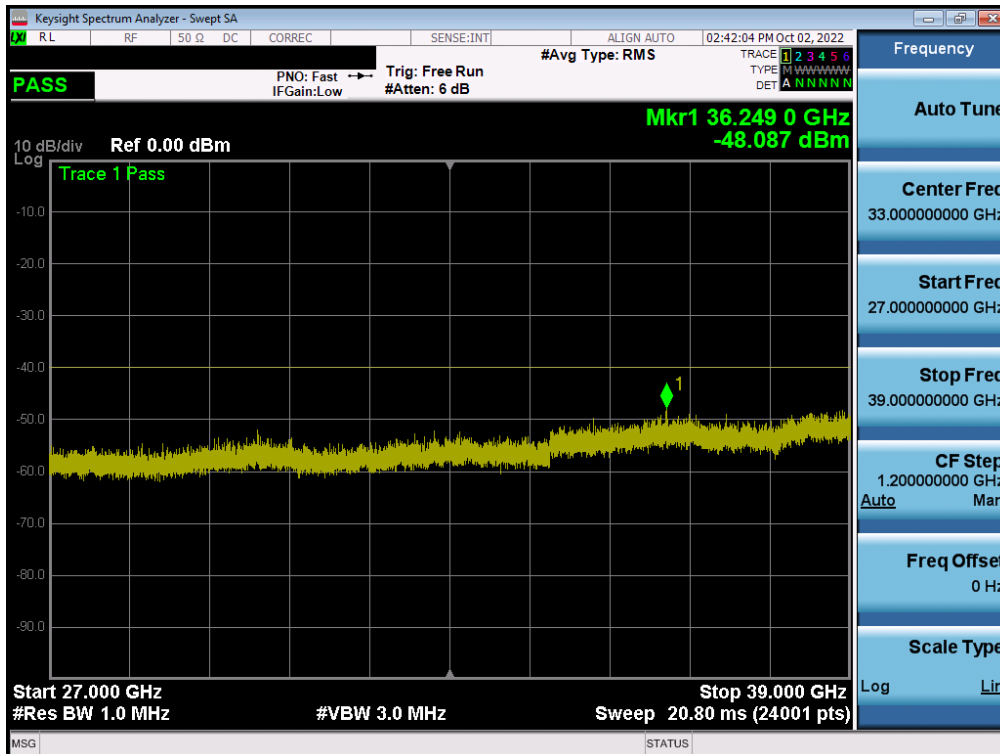


Plot 7-100. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant D)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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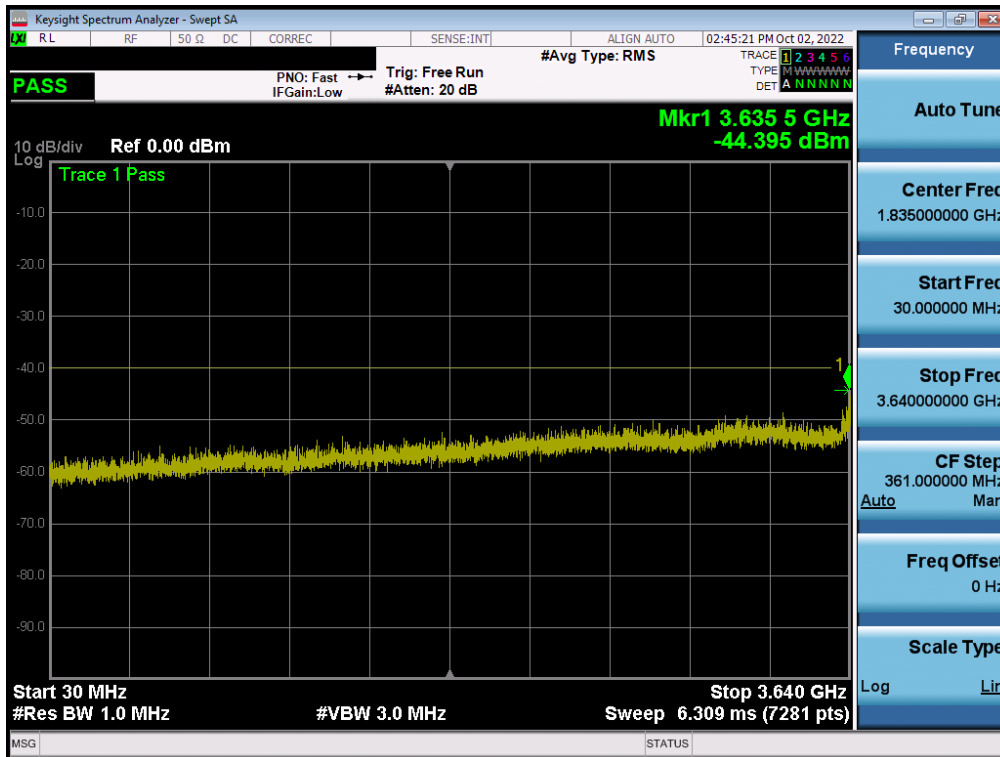


Plot 7-101. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant D)

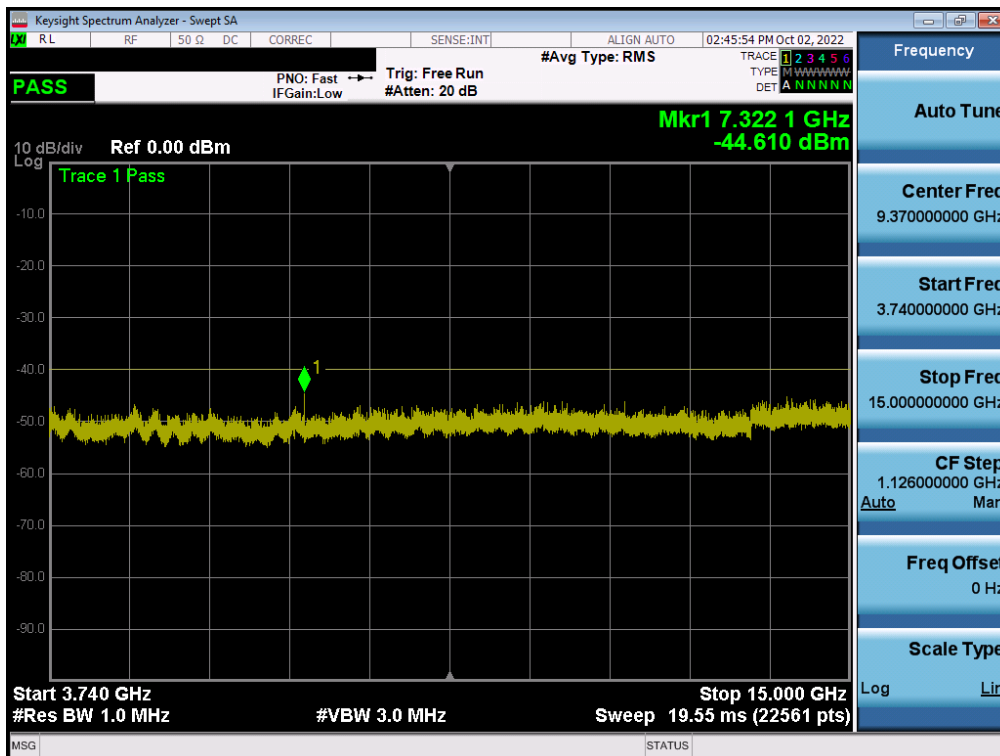


Plot 7-102. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant D)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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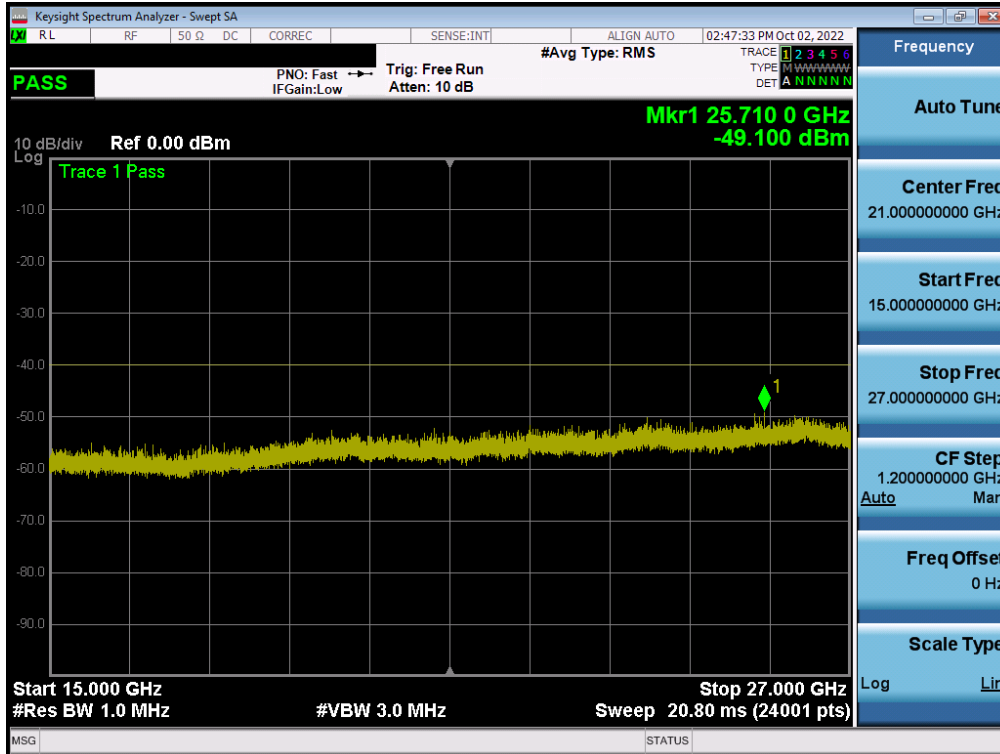


Plot 7-103. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant D)

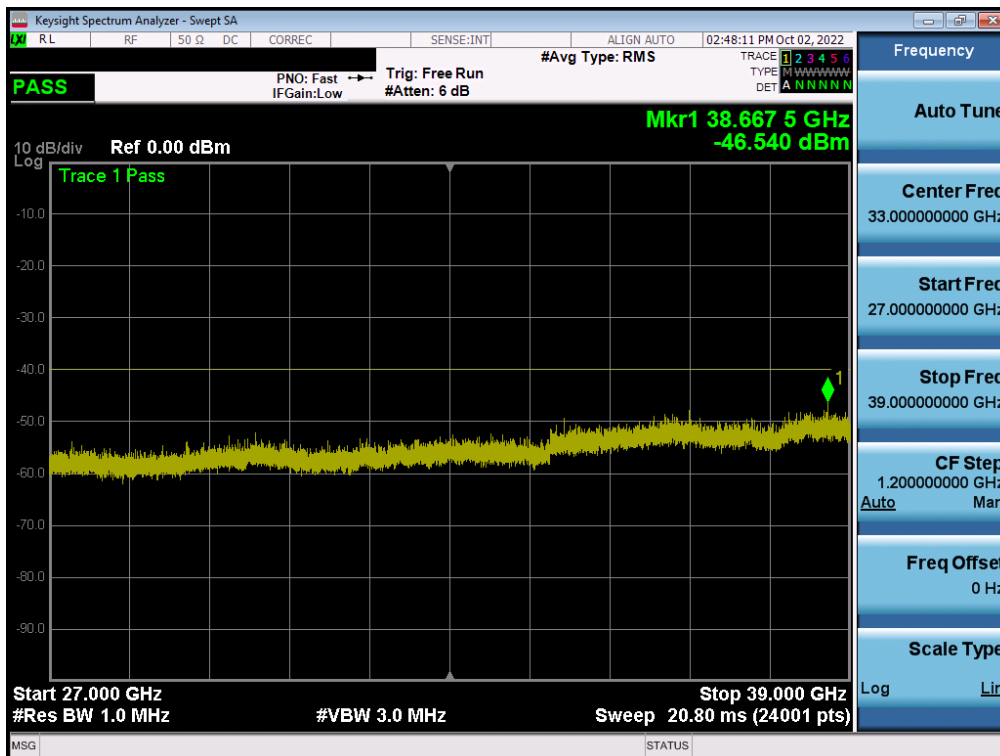


Plot 7-104. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant D)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-105. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant D)



Plot 7-106. Conducted Spurious Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant D)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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7.5 Band Edge Emissions at Antenna Terminal

Test Overview

All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

For an End User Device, the conducted power of any emission outside the fundamental emission (whether in or outside of the authorized band) shall not exceed -13 dBm/MHz within 0 to B MHz (where B is the bandwidth in MHz of the assigned channel or multiple contiguous channels of the End User Device) above the upper CBSD-assigned channel edge and within 0 to B MHz below the lower CBSD-assigned channel edge. At all frequencies greater than B MHz above the upper CBSD assigned channel edge and less than B MHz below the lower CBSD-assigned channel edge, the conducted power of any end user device emission shall not exceed -25 dBm/MHz. The conducted power of emissions below 3530 MHz or above 3720 MHz shall not exceed -40 dBm/MHz.

Test Procedure Used

ANSI C63.26-2015 – Section 5.7.3

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW \geq 1% of the emission bandwidth
4. VBW \geq 3 x RBW
5. Detector = RMS
6. Number of sweep points \geq 2 x Span/RBW
7. Trace mode = trace average
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

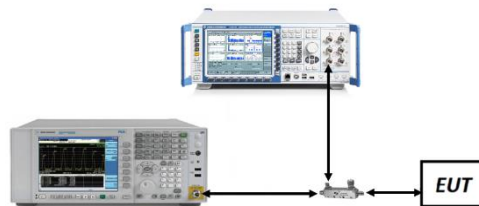




Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMS916U	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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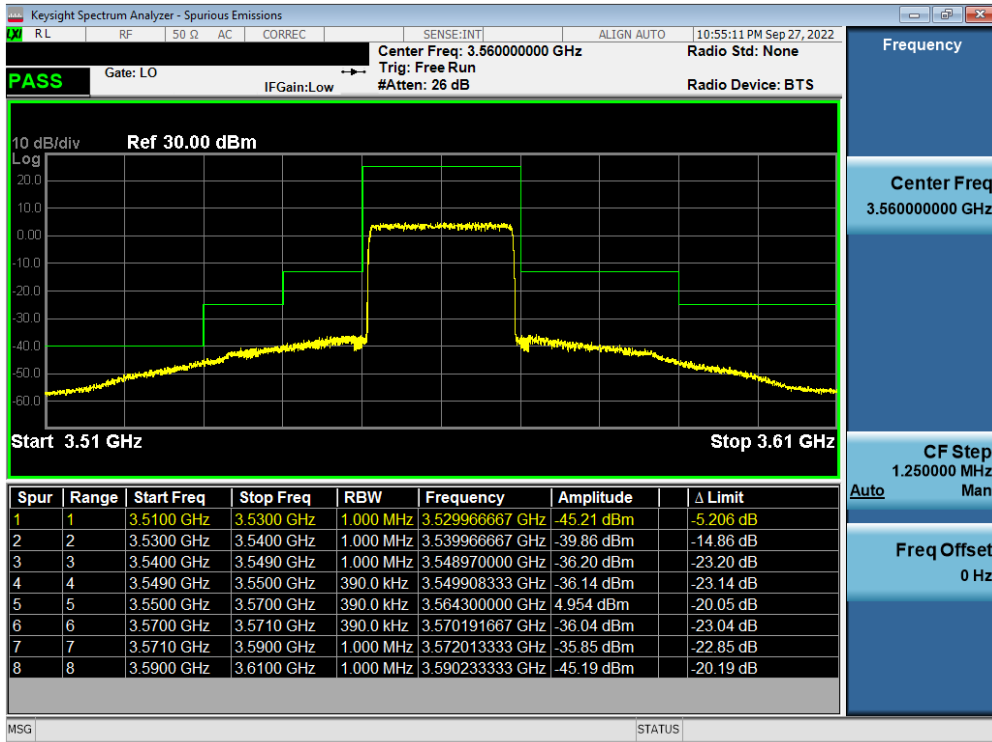
Test Notes

1. Per 96.41(e)(3)(i), compliance with this provision is based on the use of measurement instrumentation employing a resolution bandwidth of 1 megahertz or greater. However, in the 1 megahertz bands immediately outside and adjacent to the licensee's authorized frequency channel, a resolution bandwidth of no less than one percent of the fundamental emission bandwidth may be employed. A narrower resolution bandwidth is permitted in all cases to improve measurement accuracy provided the measured power is integrated over the full reference bandwidth (i.e., 1 MHz or 1 percent of emission bandwidth, as specified). The fundamental emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emissions are attenuated at least 26 dB below the transmitter power.

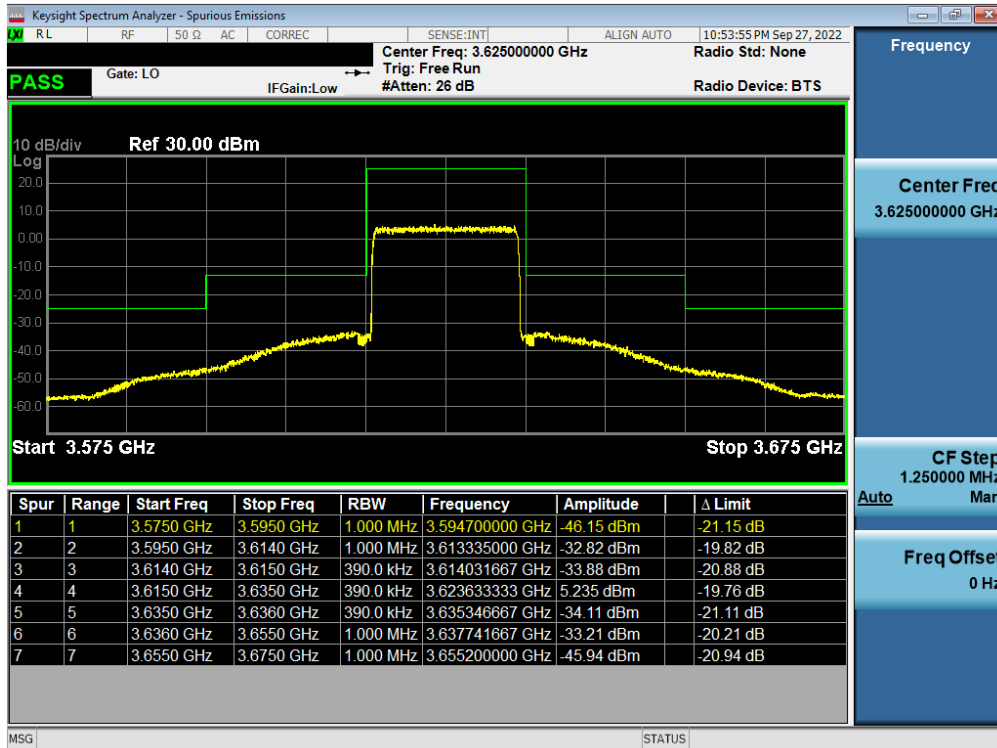
2. For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

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LTE Band 48

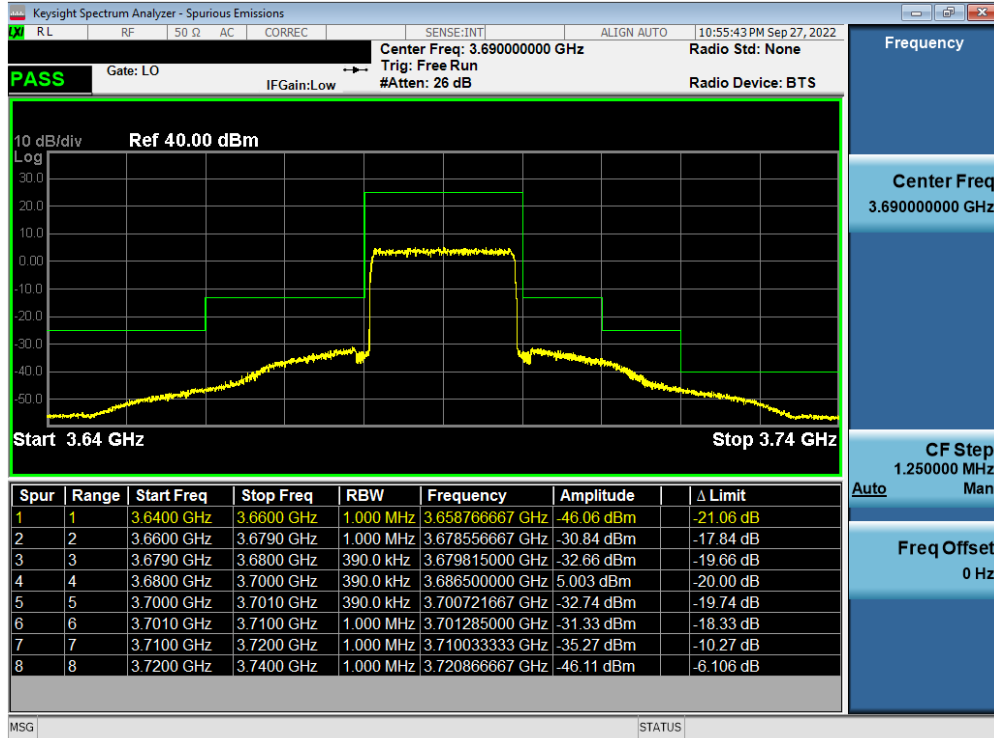


Plot 7-107. Channel Edge Plot (LTE Band 48 - 20MHz QPSK - Low Channel)

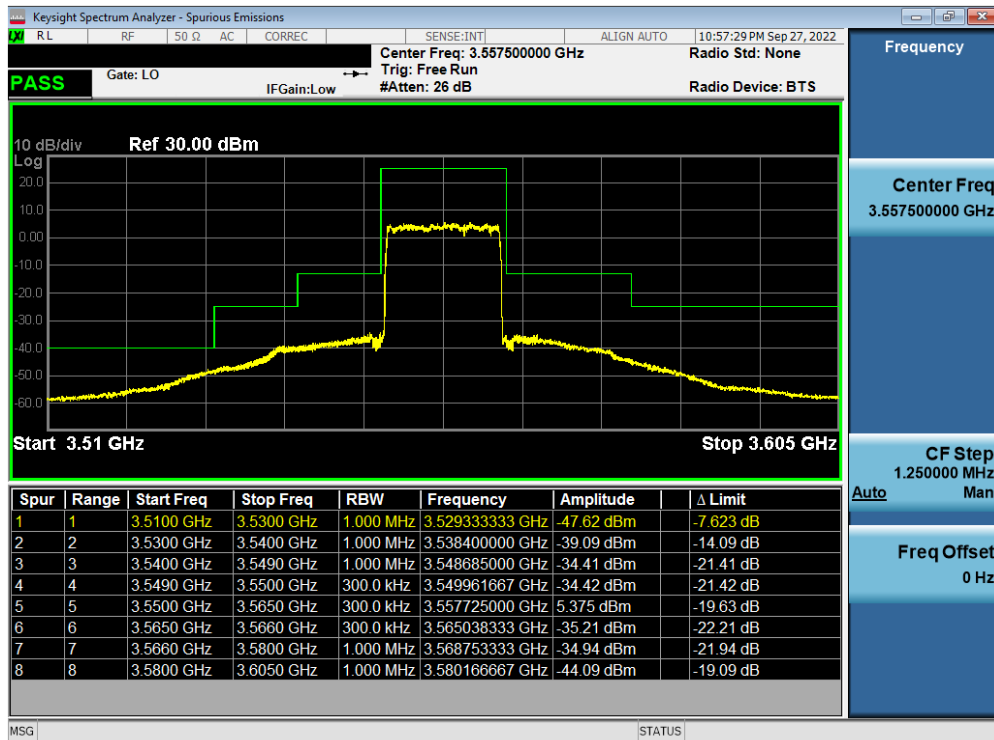


Plot 7-108. Channel Edge Plot (LTE Band 48 - 20MHz QPSK - Mid Channel)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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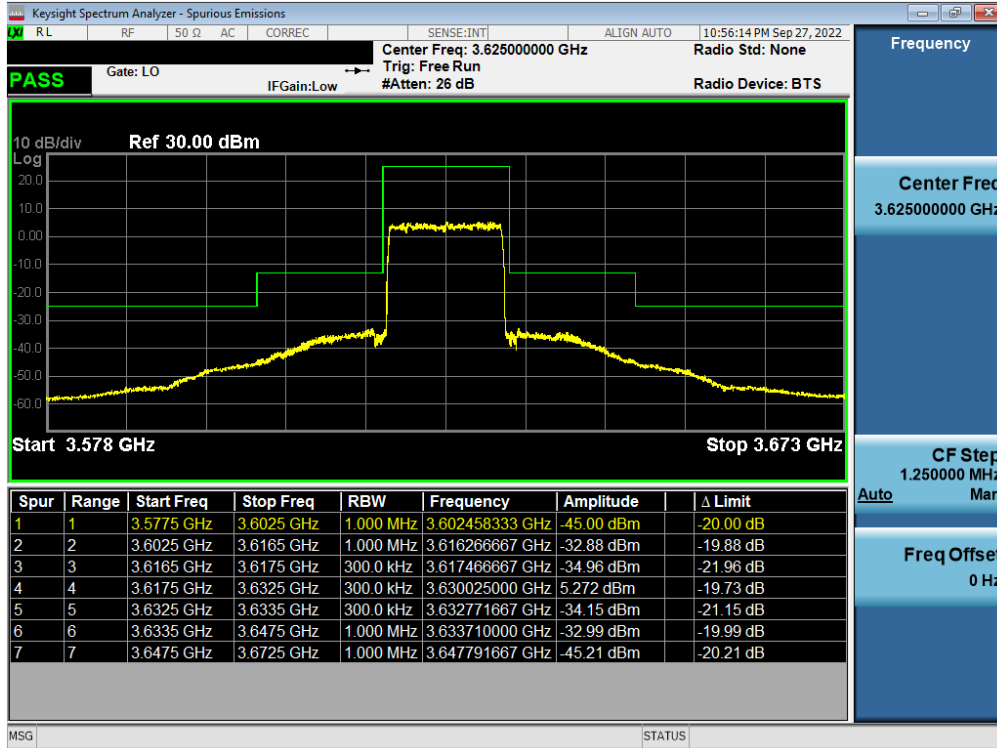


Plot 7-109. Channel Edge Plot (LTE Band 48 - 20MHz QPSK - High Channel)

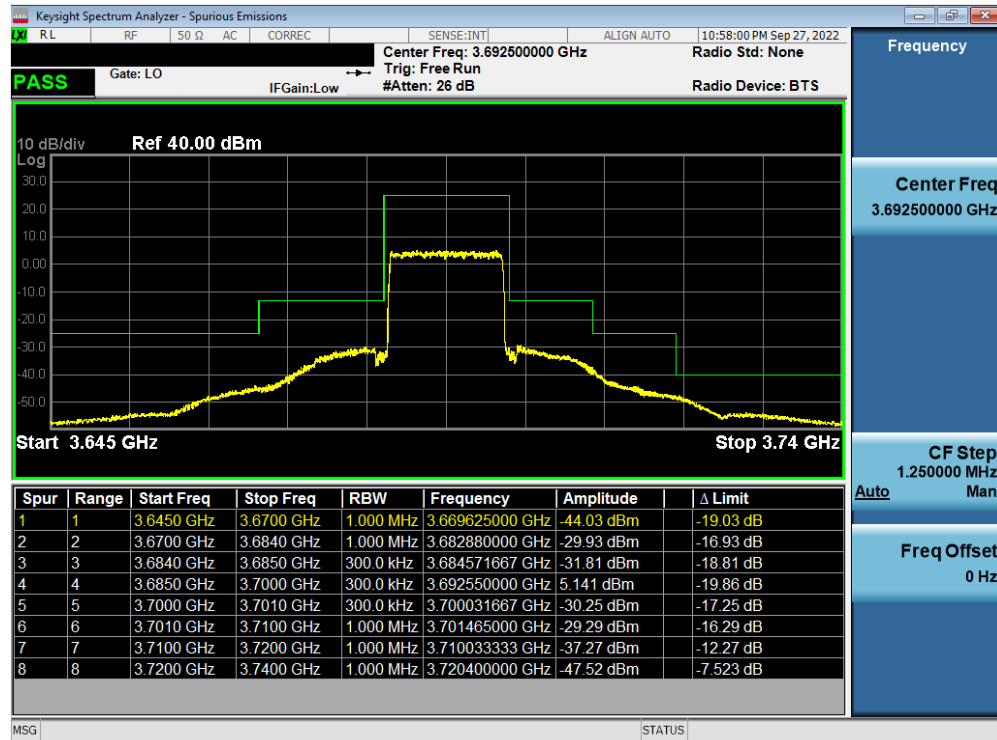


Plot 7-110. Channel Edge Plot (LTE Band 48 - 15MHz QPSK - Low Channel)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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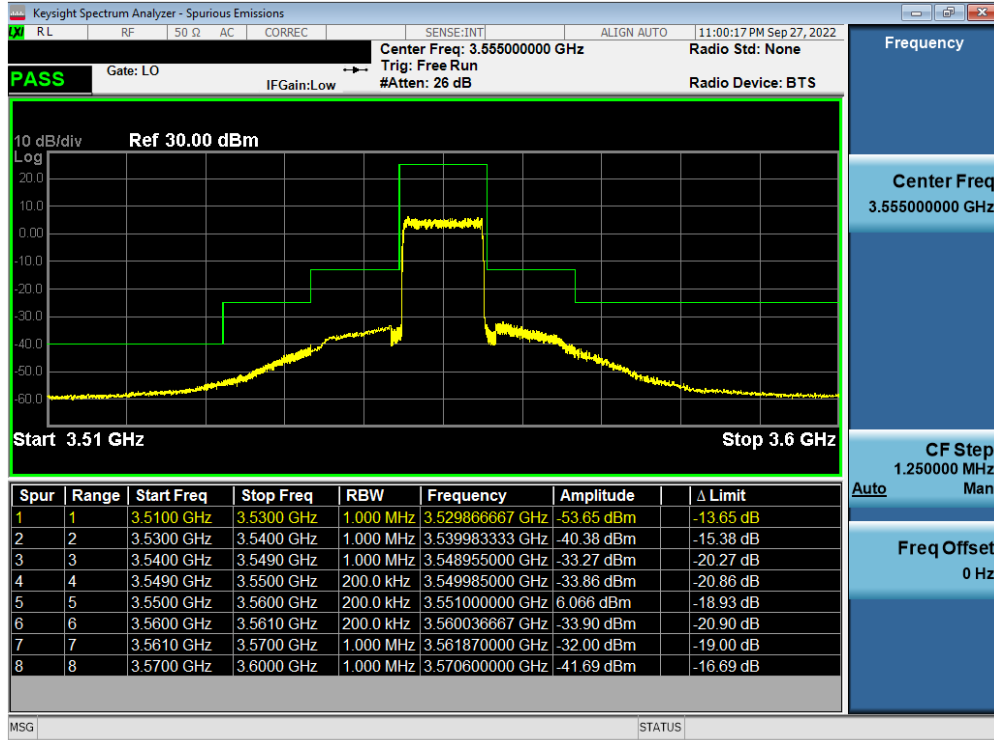


Plot 7-111. Channel Edge Plot (LTE Band 48 - 15MHz QPSK - Mid Channel)

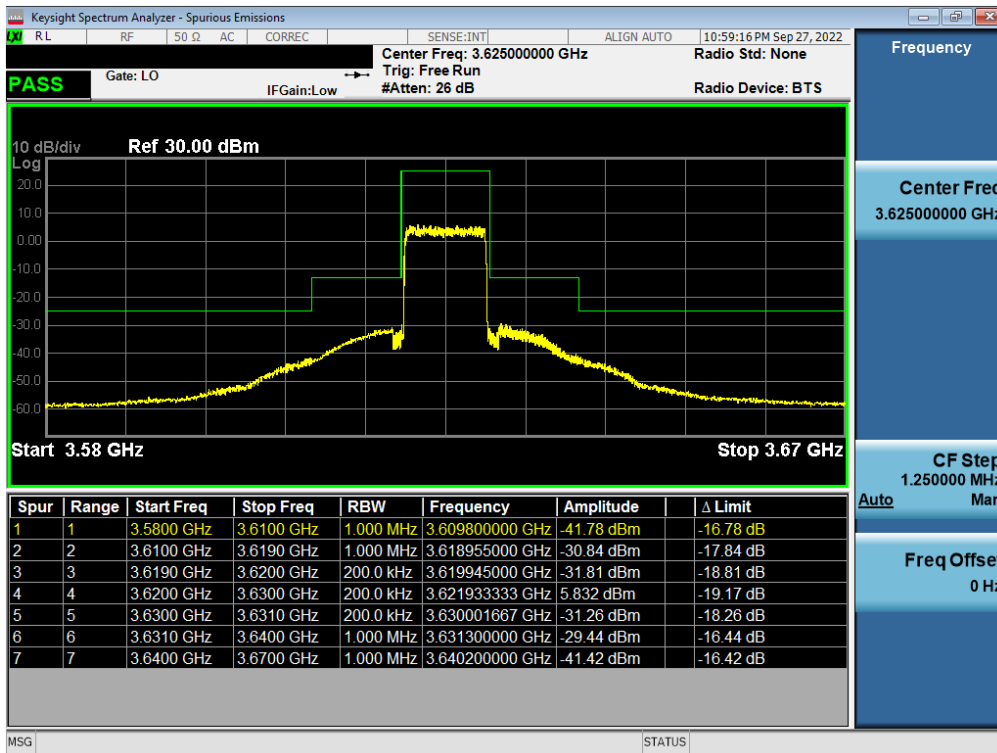


Plot 7-112. Channel Edge Plot (LTE Band 48 - 15MHz QPSK - High Channel)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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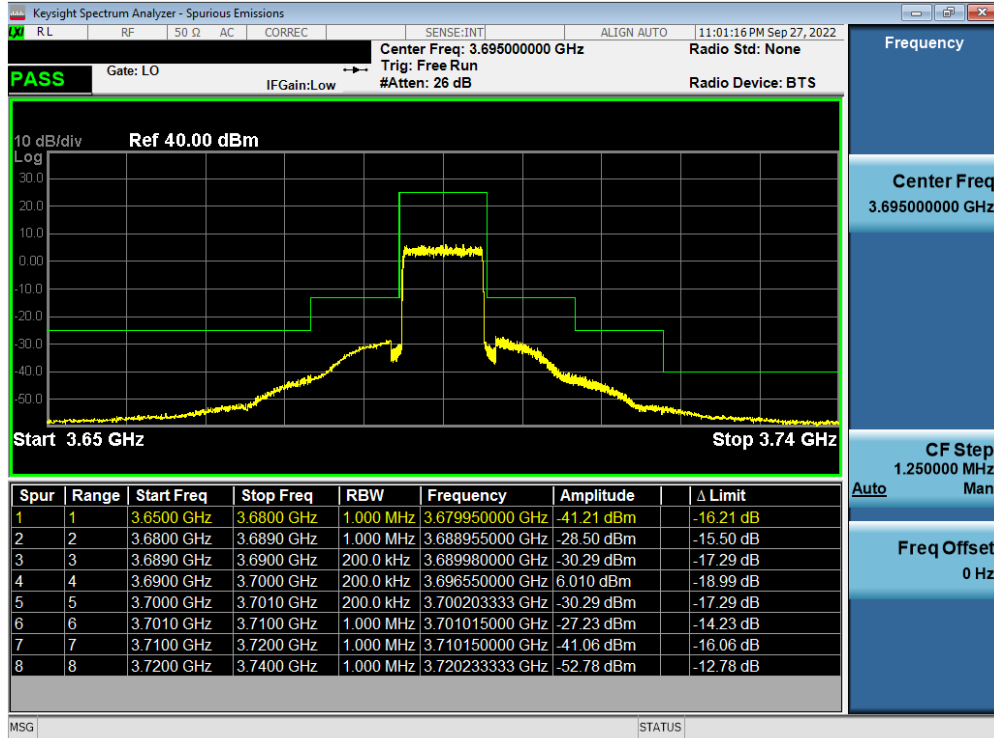


Plot 7-113. Channel Edge Plot (LTE Band 48 - 10MHz QPSK - Low Channel)

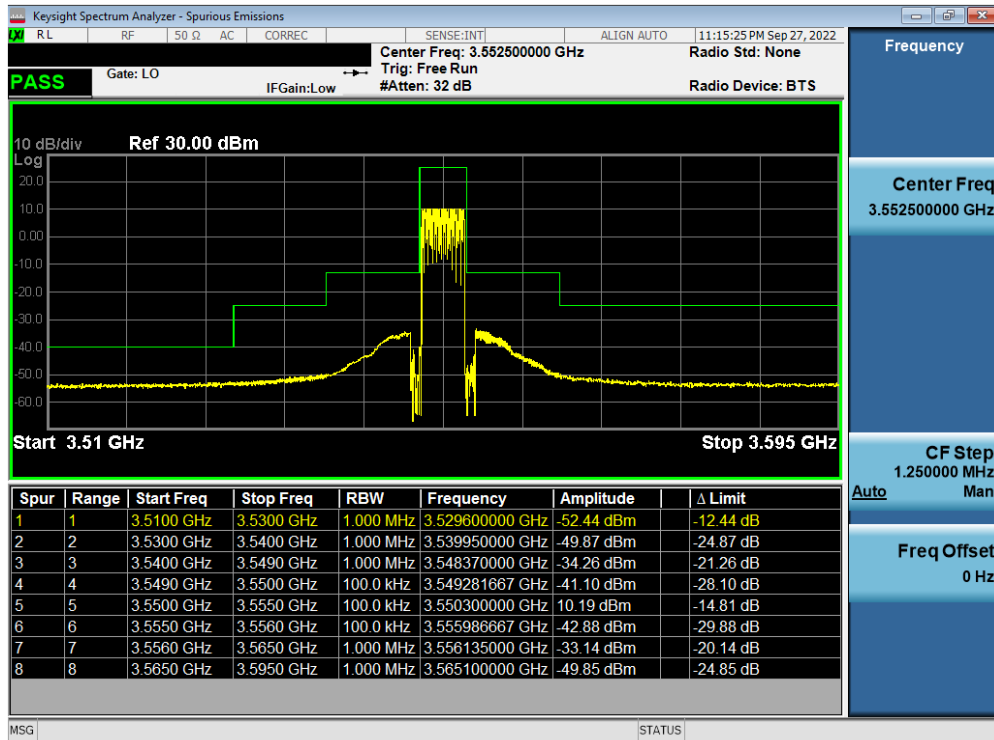


Plot 7-114. Channel Edge Plot (LTE Band 48 - 10MHz QPSK - Mid Channel)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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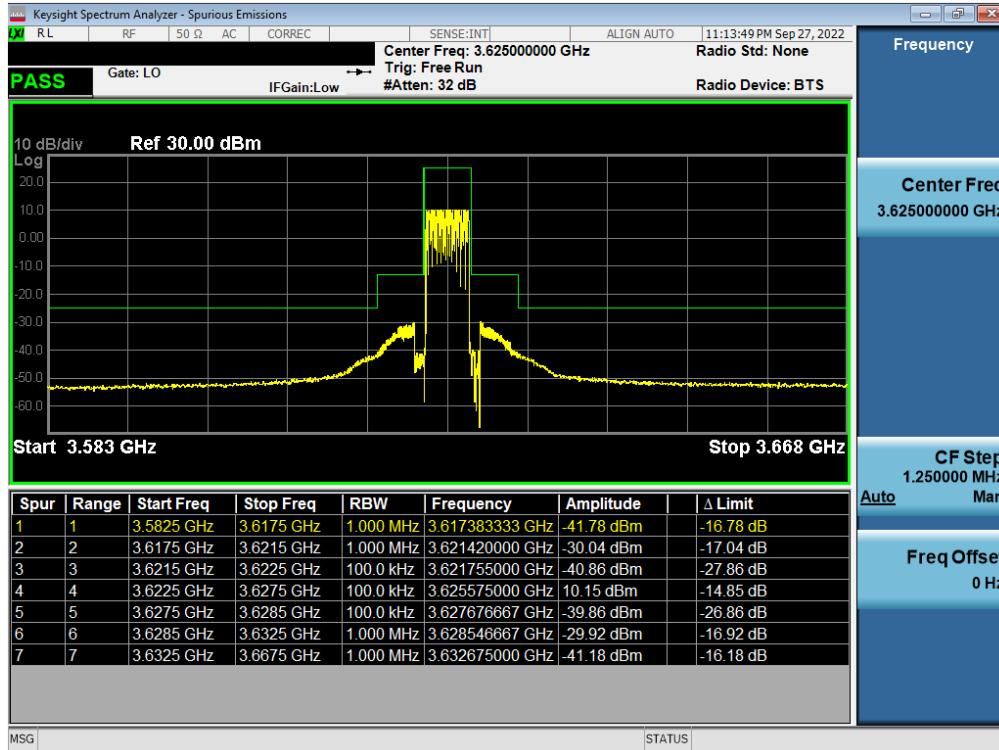


Plot 7-115. Channel Edge Plot (LTE Band 48 - 10MHz QPSK - High Channel)

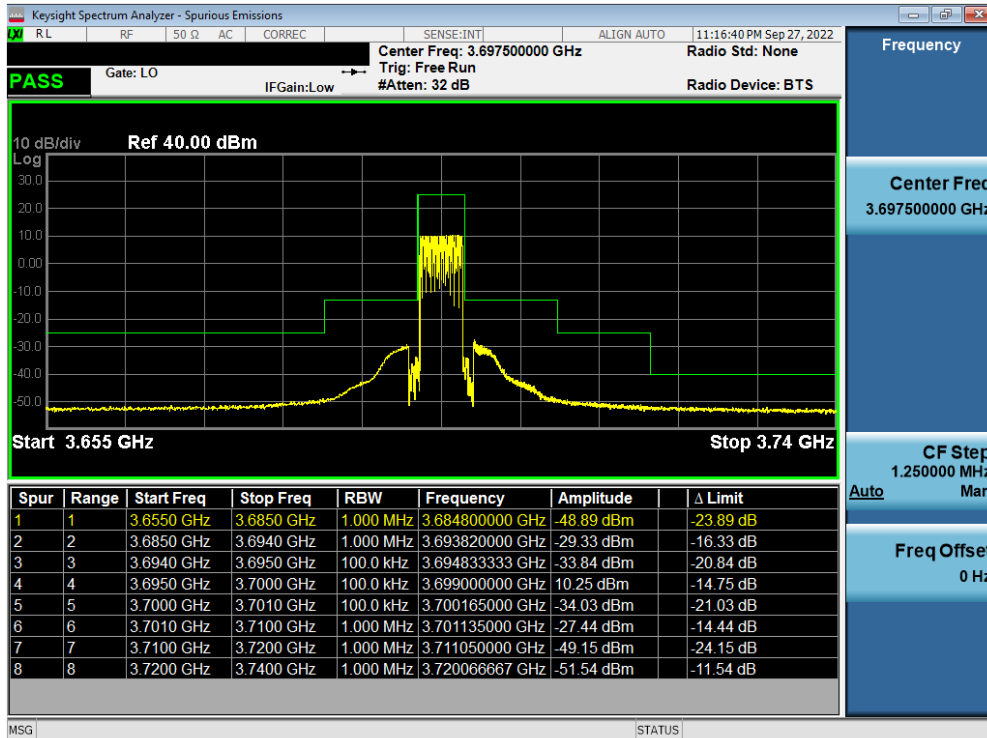


Plot 7-116. Channel Edge Plot (LTE Band 48 - 5MHz QPSK - Low Channel)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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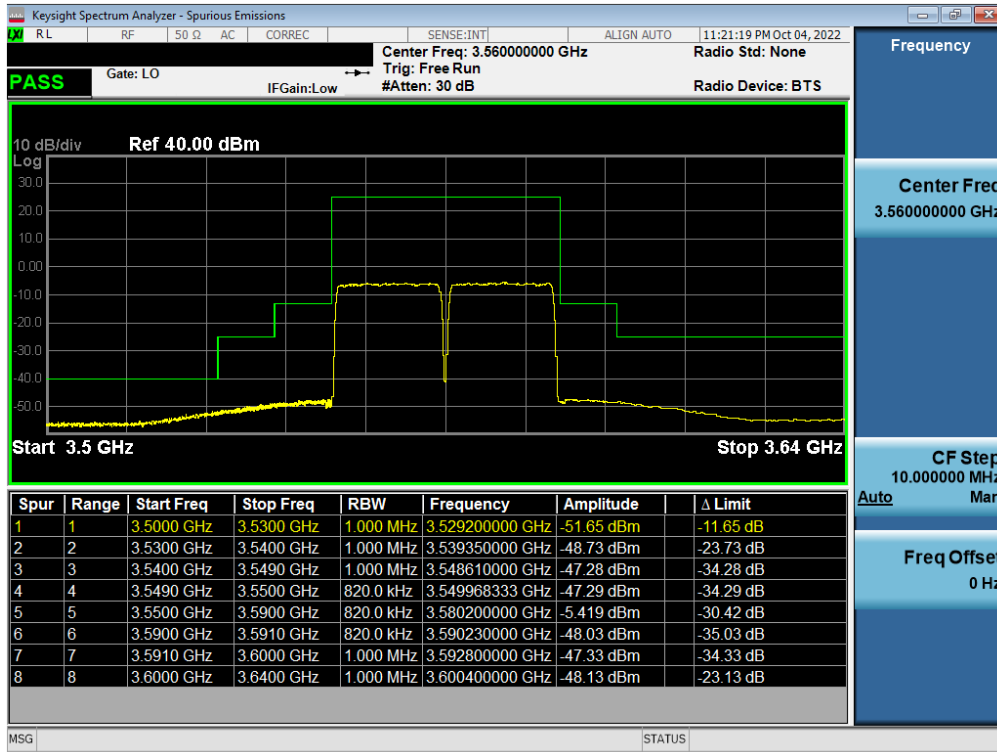


Plot 7-117. Channel Edge Plot (LTE Band 48 - 5MHz QPSK - Mid Channel)

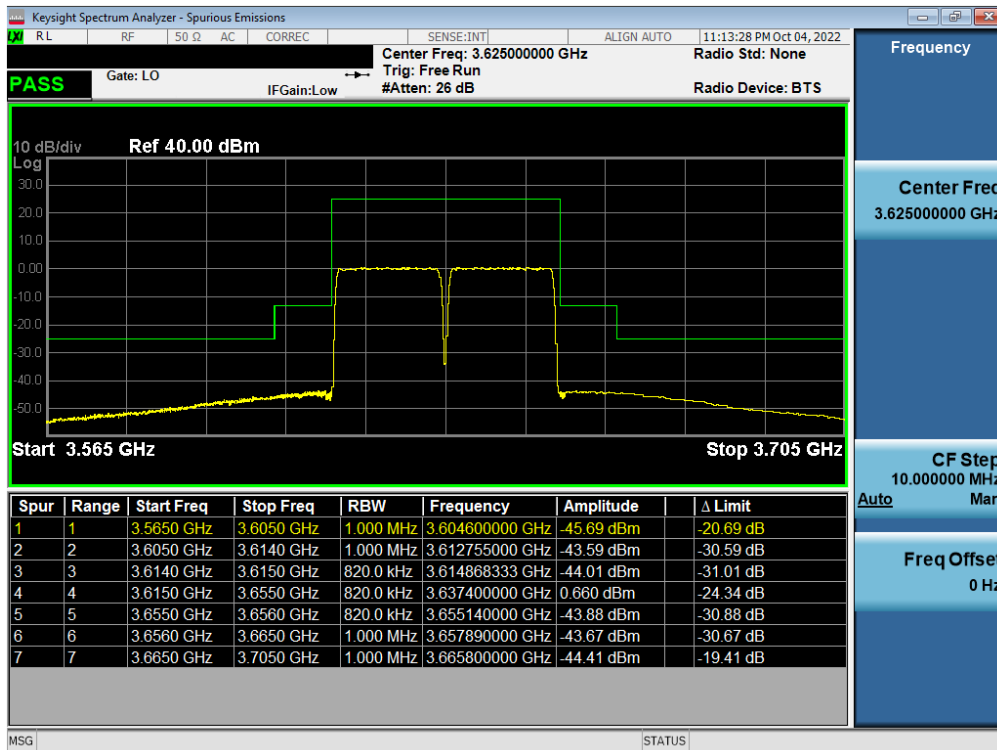


Plot 7-118. Channel Edge Plot (LTE Band 48 - 5MHz QPSK - High Channel)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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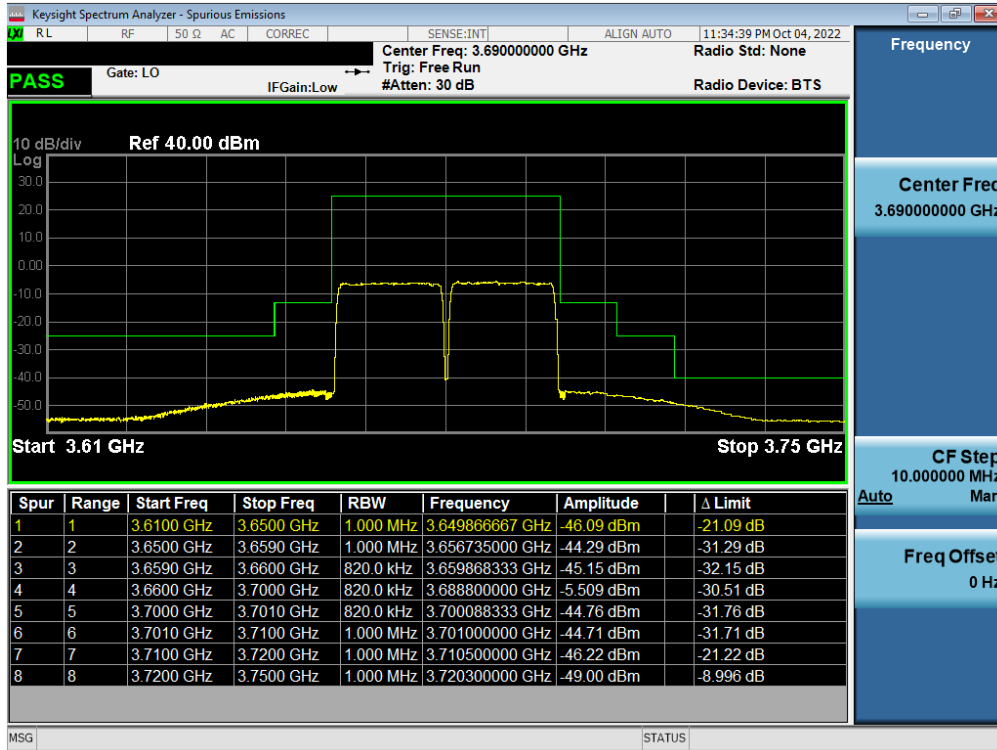


Plot 7-119. Channel - Ant F Edge Plot (LTE Band 48 – 20+20MHz QPSK - Low Channel)



Plot 7-120. Channel - Ant F Edge Plot (LTE Band 48 – 20+20MHz QPSK - Mid Channel)

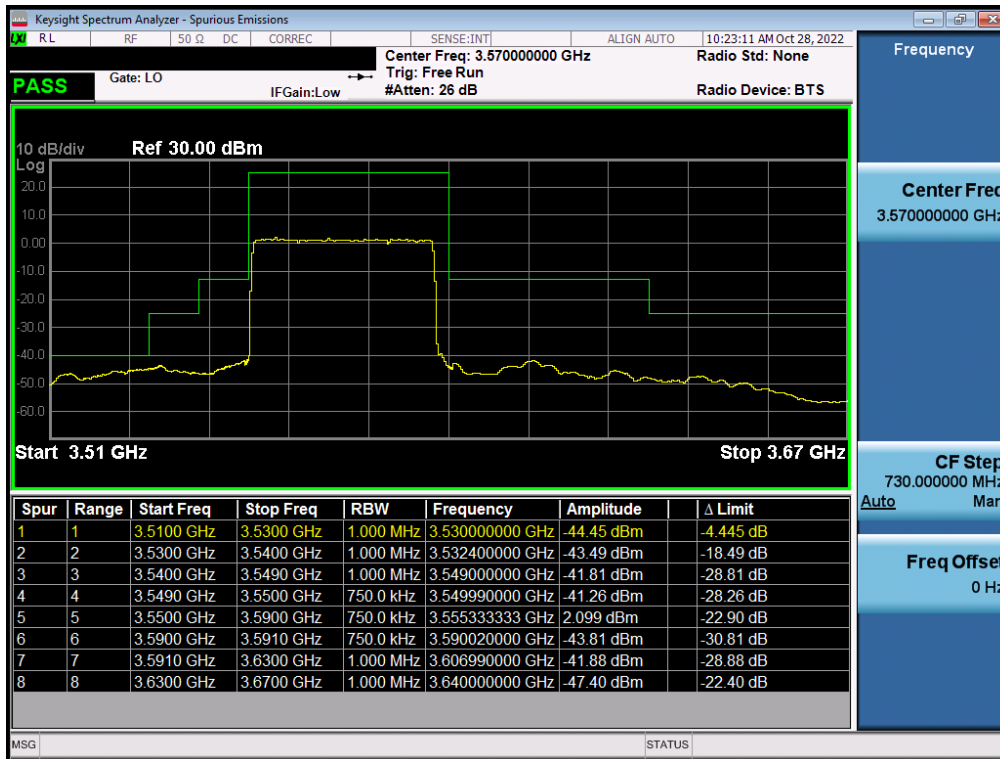
FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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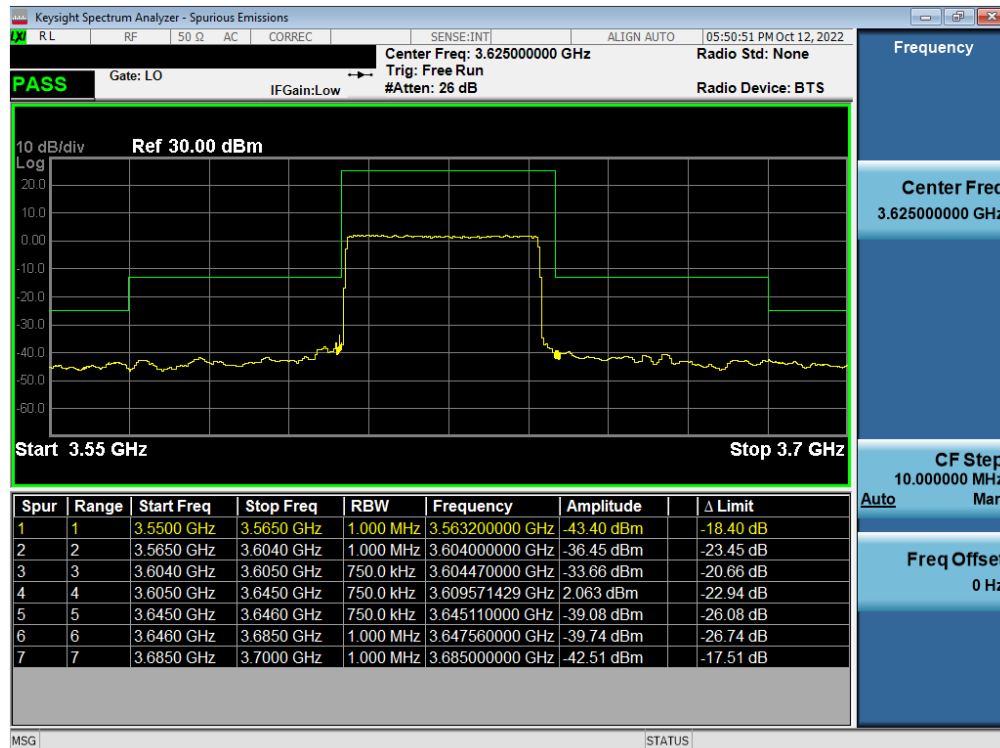
Plot 7-121. Channel - Ant F Edge Plot (LTE Band 48 – 20+20MHz QPSK - High Channel)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n48 – Ant F

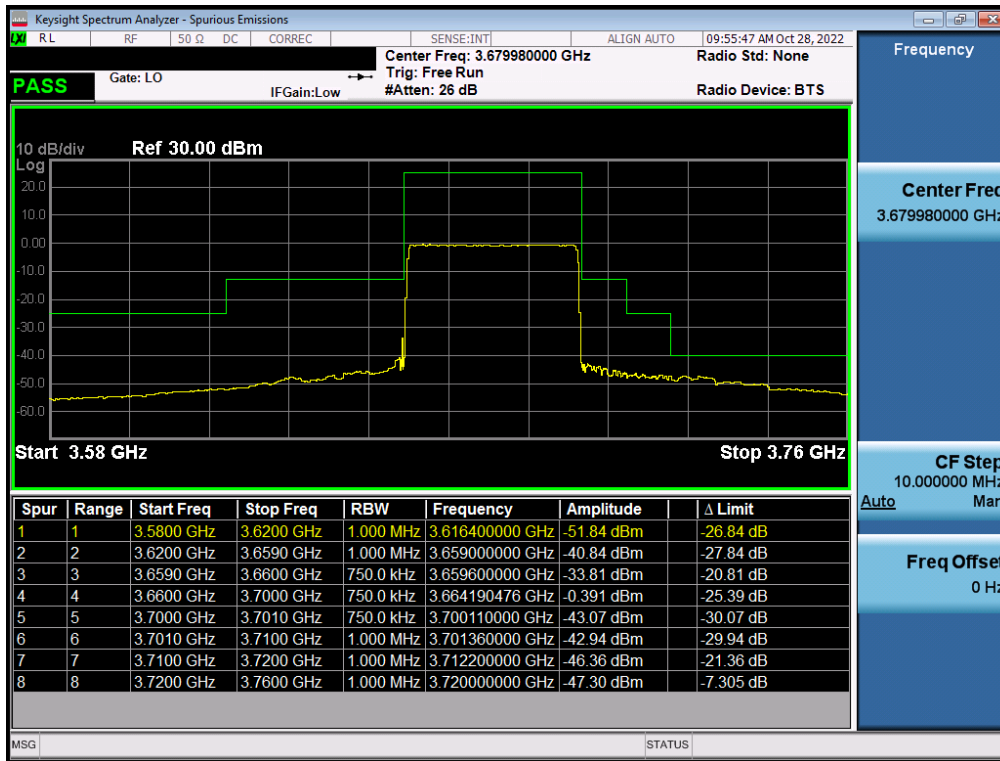


Plot 7-122. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Low Channel - Ant F)

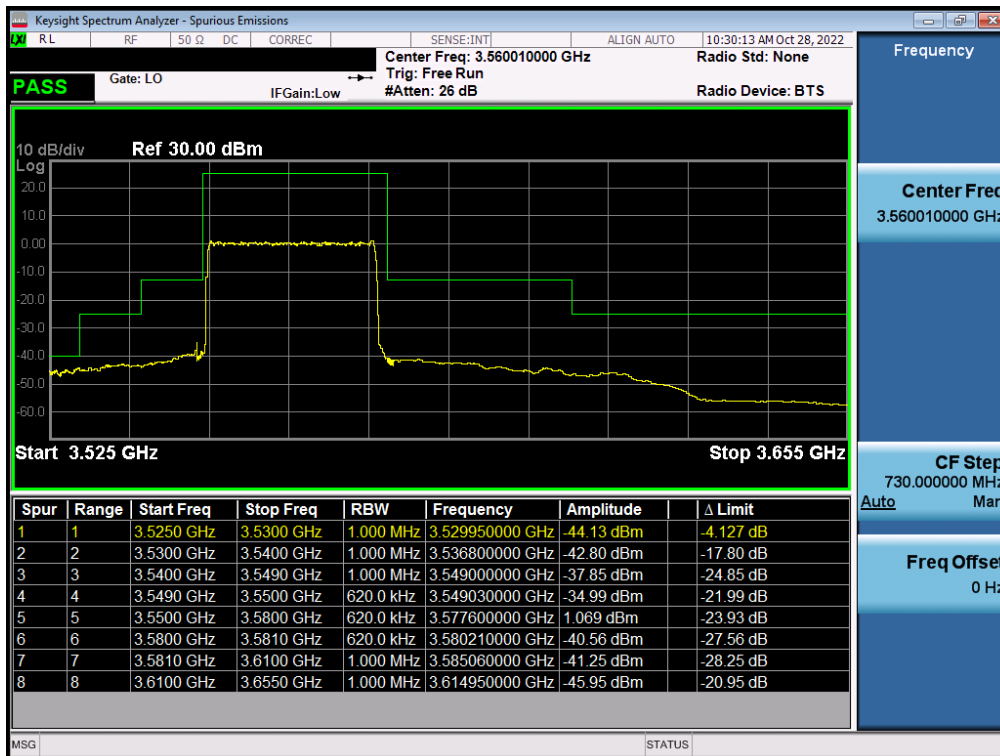


Plot 7-123. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Mid Channel - Ant F)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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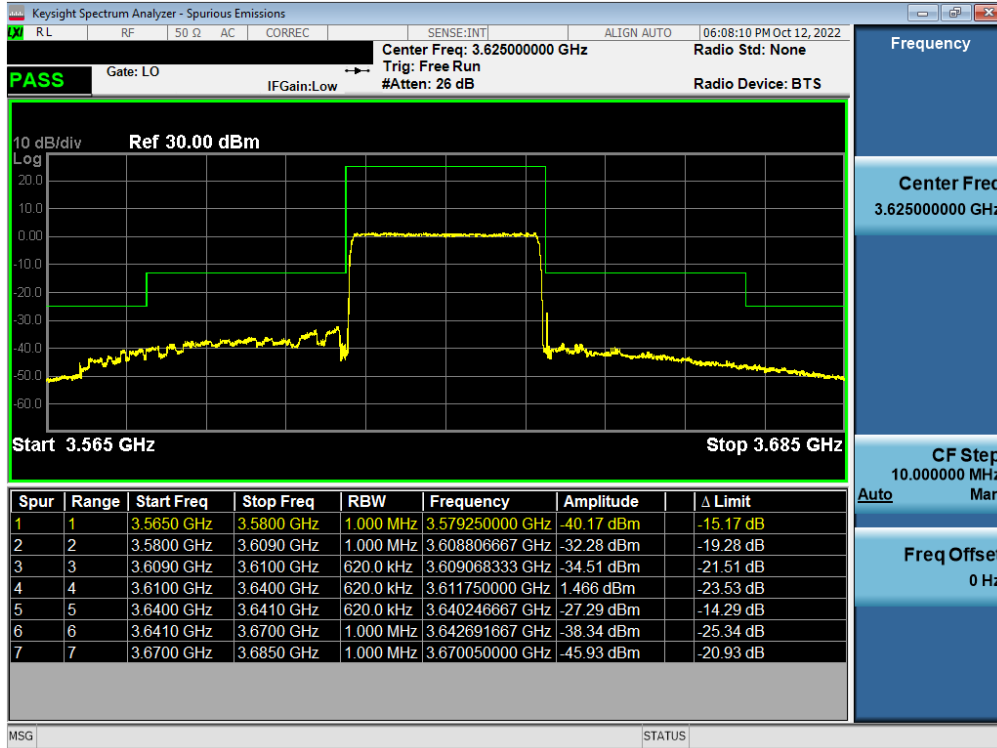


Plot 7-124. Channel Edge Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant F)

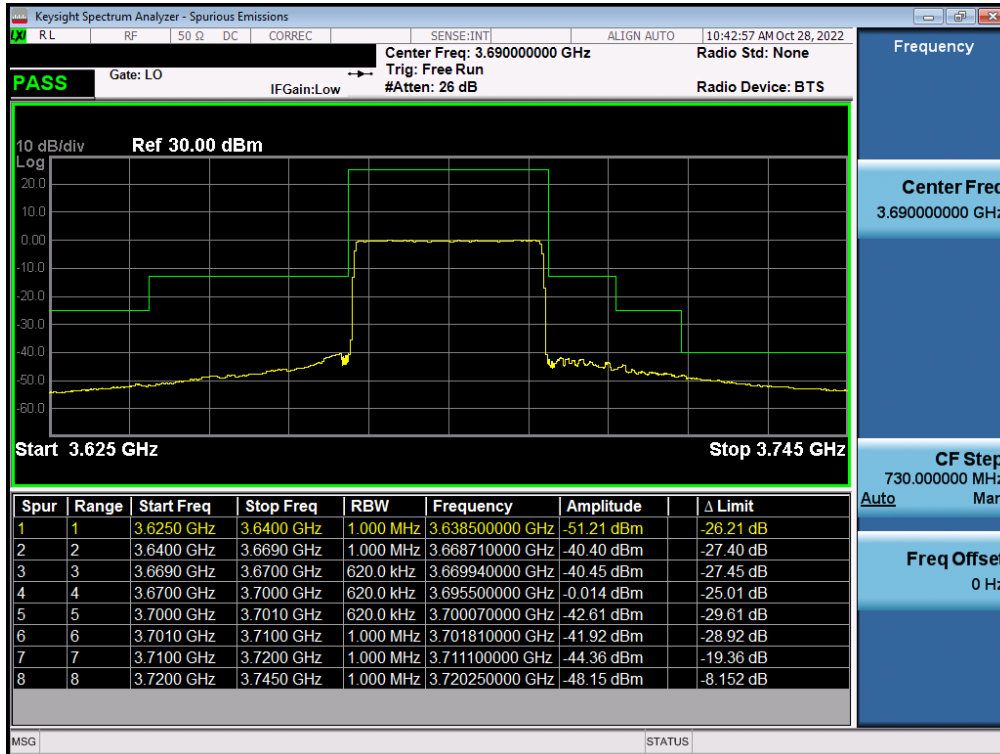


Plot 7-125. Channel Edge Plot (NR Band n48 - 30MHz QPSK - Low Channel - Ant F)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-07.A3L	Test Dates: 09/02/2022 - 11/21/2022	EUT Type: Portable Handset
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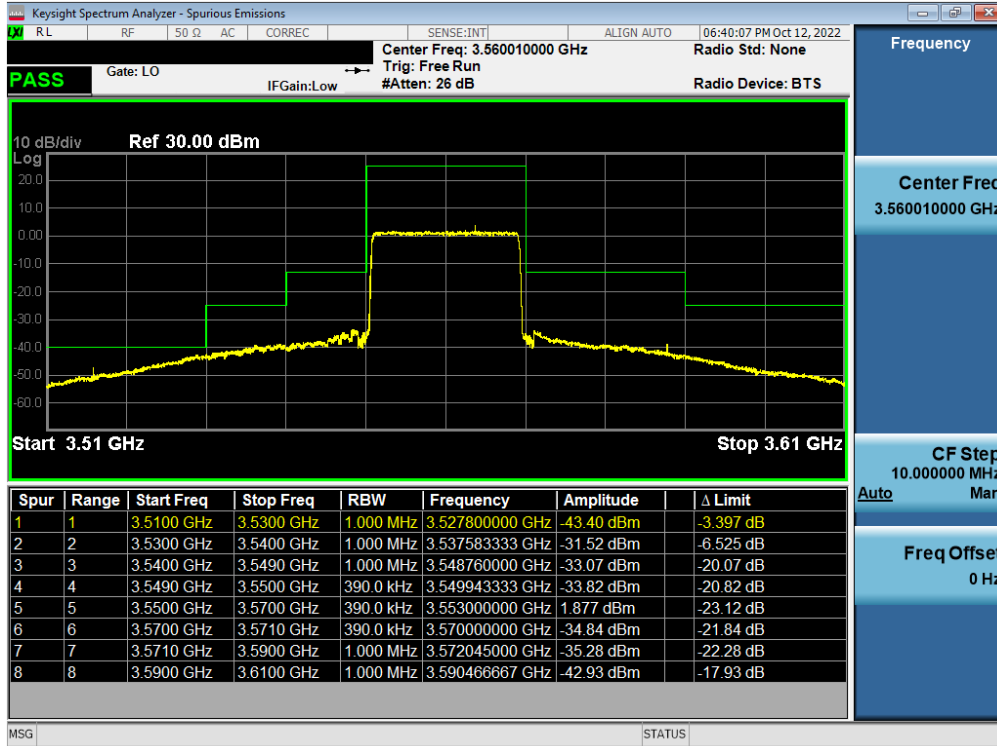


Plot 7-126. Channel Edge Plot (NR Band n48 - 30MHz QPSK - Mid Channel - Ant F)

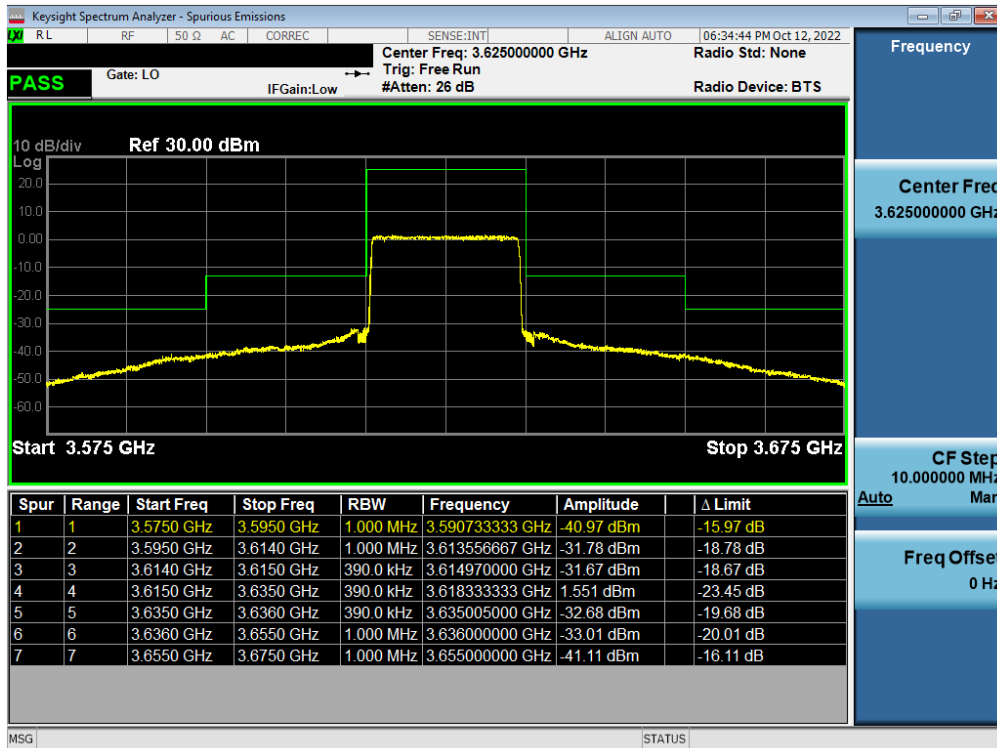


Plot 7-127. Channel Edge Plot (NR Band n48 - 30MHz QPSK - High Channel - Ant F)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-07.A3L	Test Dates: 09/02/2022 - 11/21/2022	EUT Type: Portable Handset
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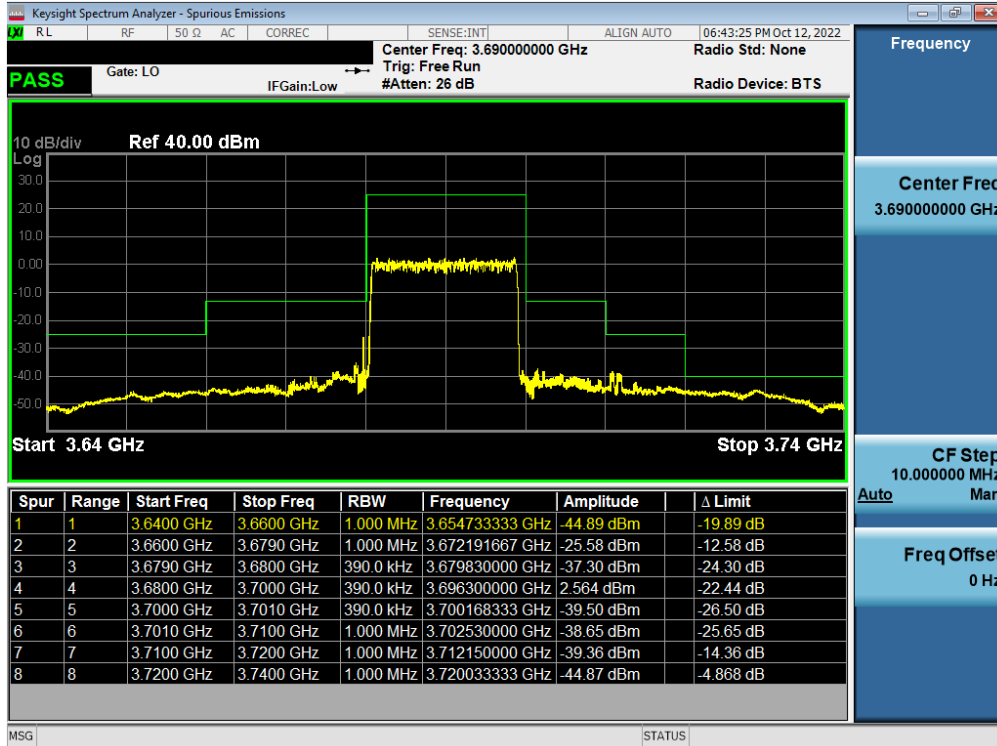


Plot 7-128. Channel Edge Plot (NR Band n48 - 20MHz QPSK - Low Channel - Ant F)

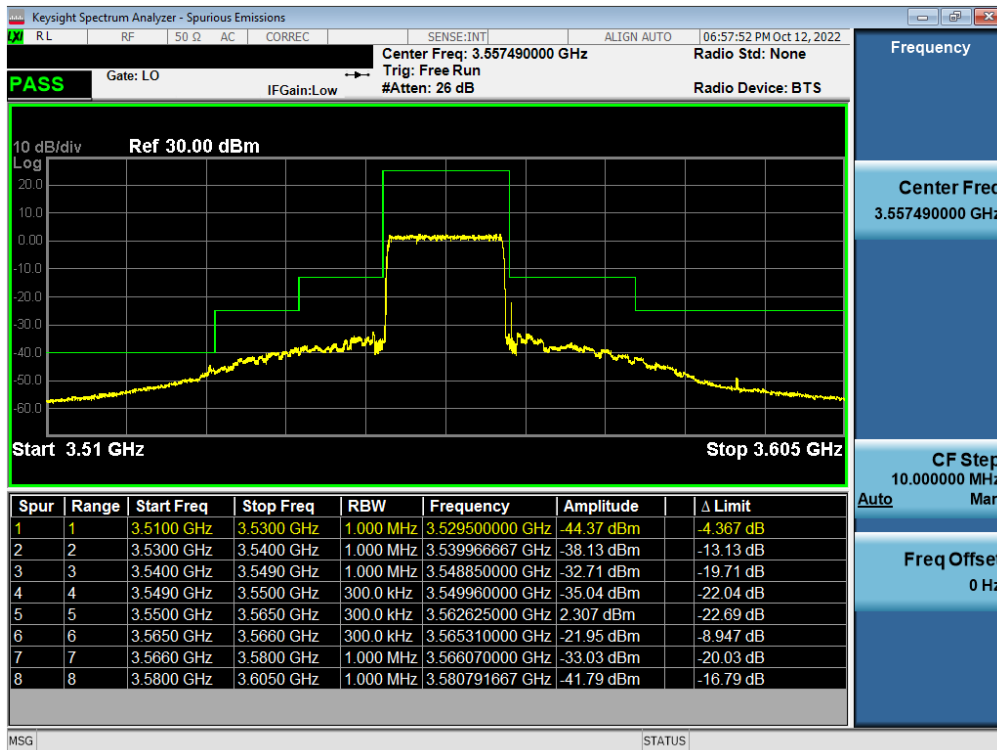


Plot 7-129. Channel Edge Plot (NR Band n48 - 20MHz QPSK - Mid Channel - Ant F)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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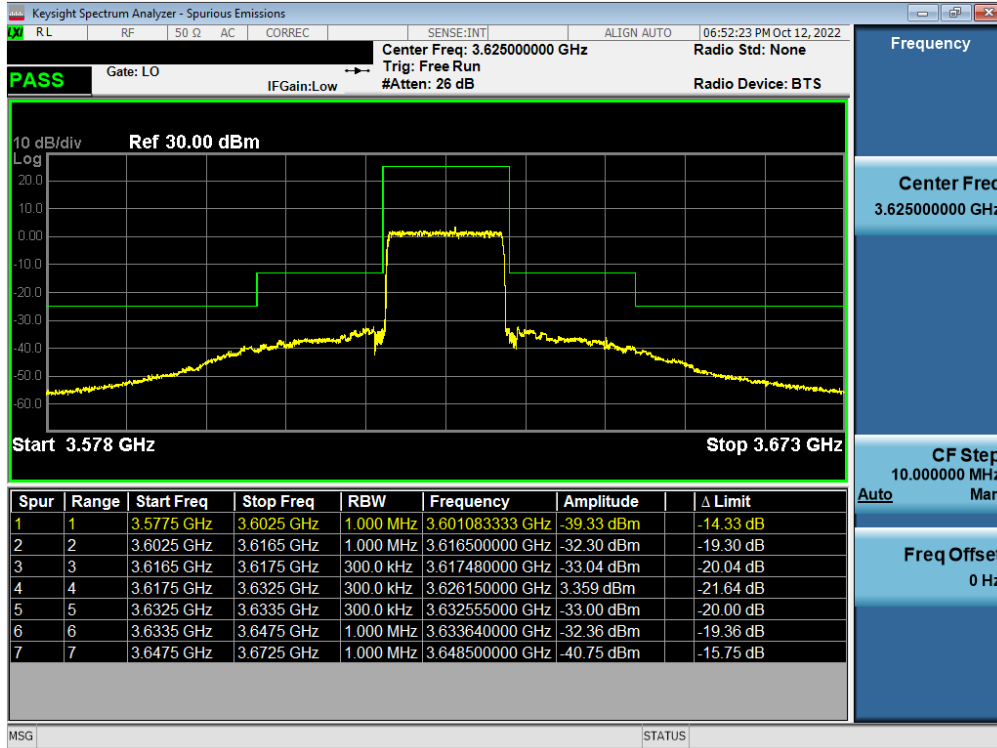


Plot 7-130. Channel Edge Plot (NR Band n48 - 20MHz QPSK - High Channel - Ant F)

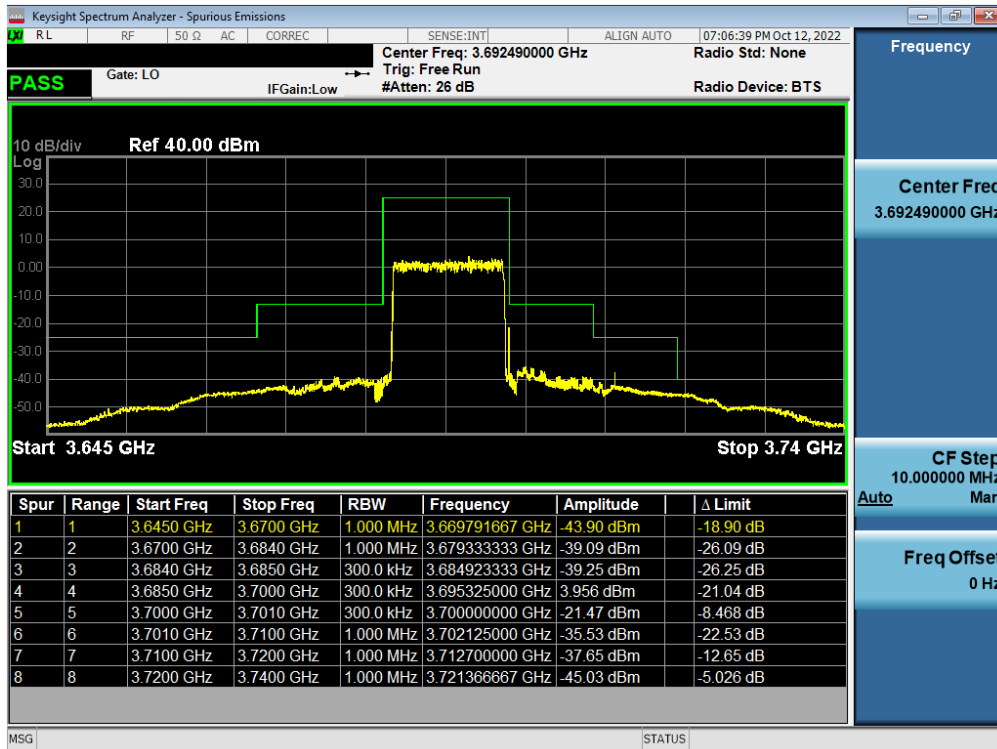


Plot 7-131. Channel Edge Plot (NR Band n48 - 15MHz QPSK - Low Channel - Ant F)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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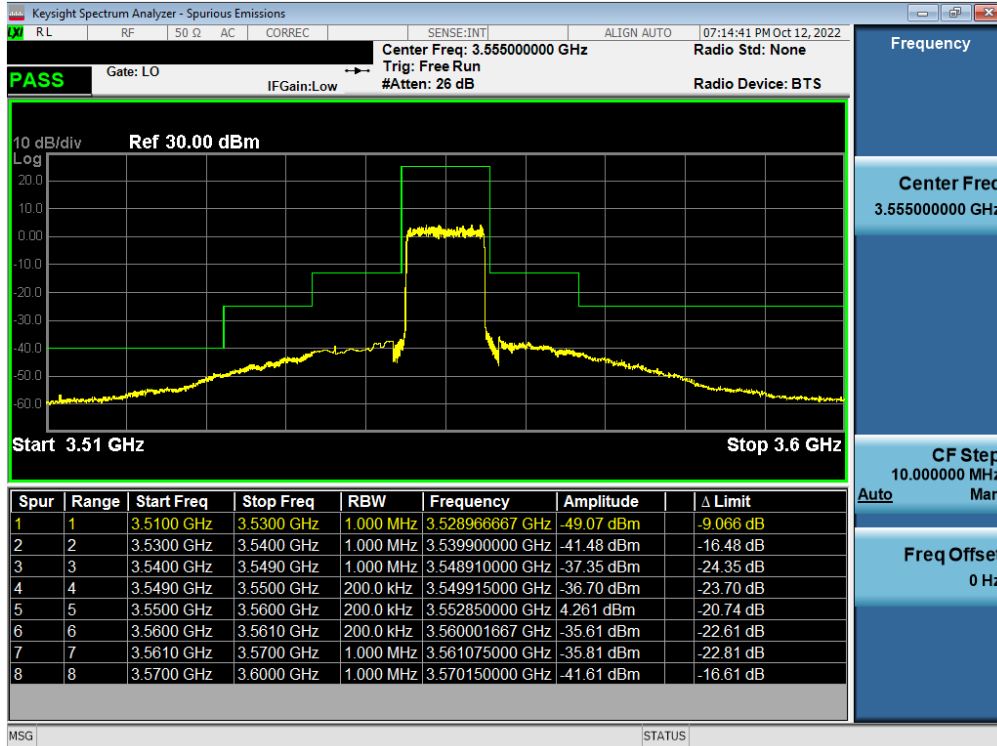


Plot 7-132. Channel Edge Plot (NR Band n48 - 15MHz QPSK - Mid Channel - Ant F)

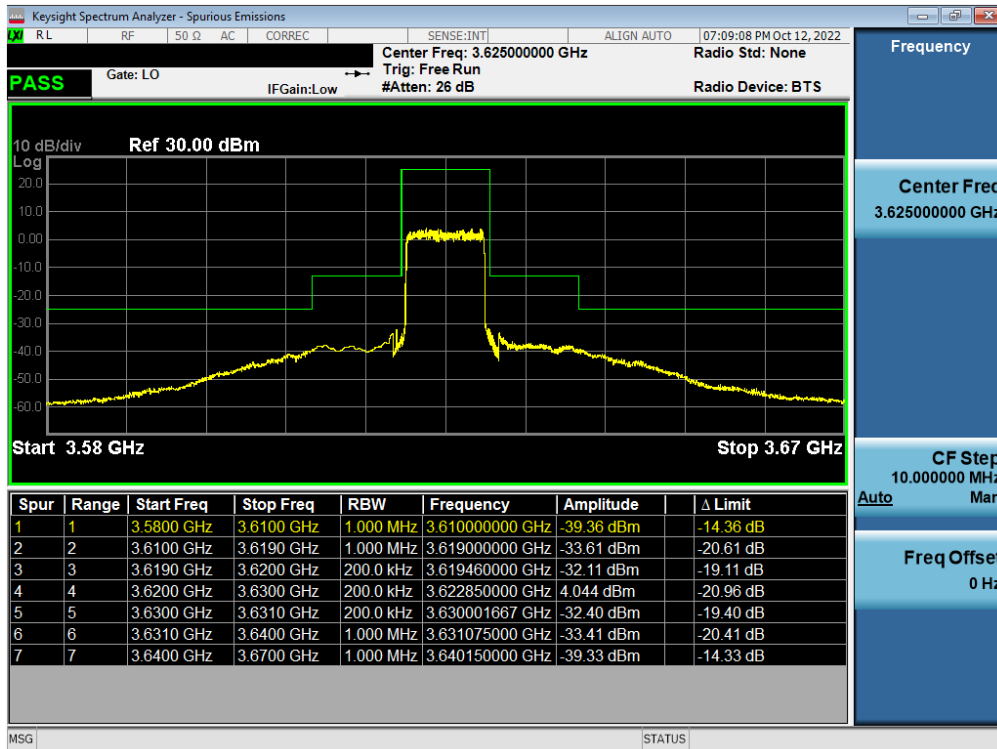


Plot 7-133. Channel Edge Plot (NR Band n48 - 15MHz QPSK - High Channel - Ant F)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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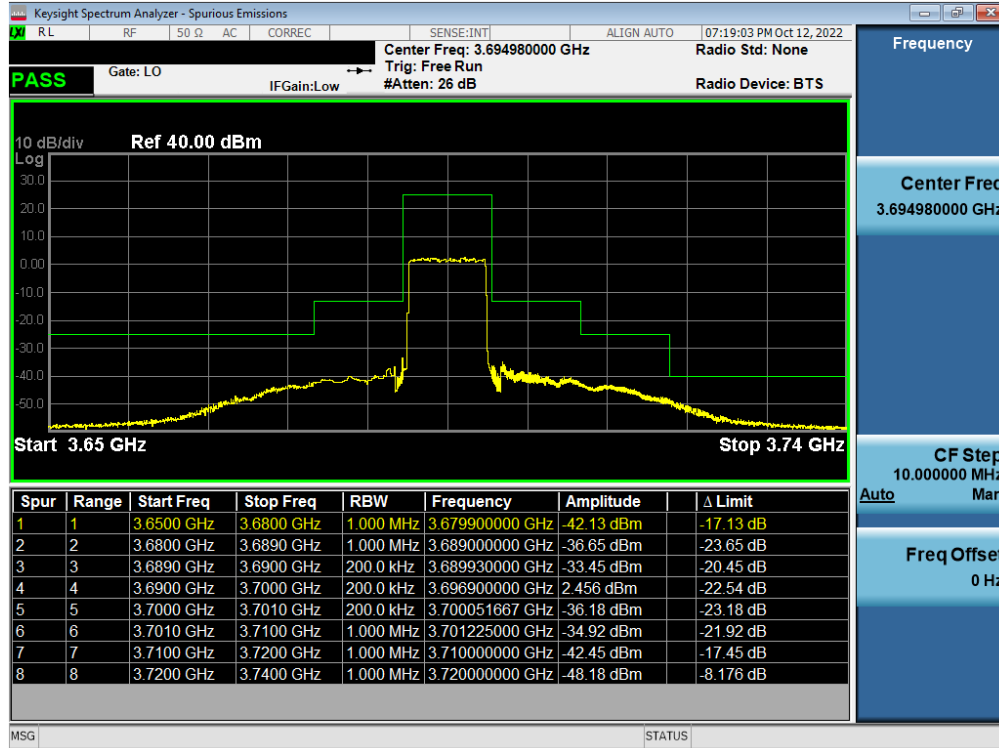


Plot 7-134. Channel Edge Plot (NR Band n48 - 10MHz QPSK - Low Channel - Ant F)



Plot 7-135. Channel Edge Plot (NR Band n48 - 10MHz QPSK - Mid Channel - Ant F)

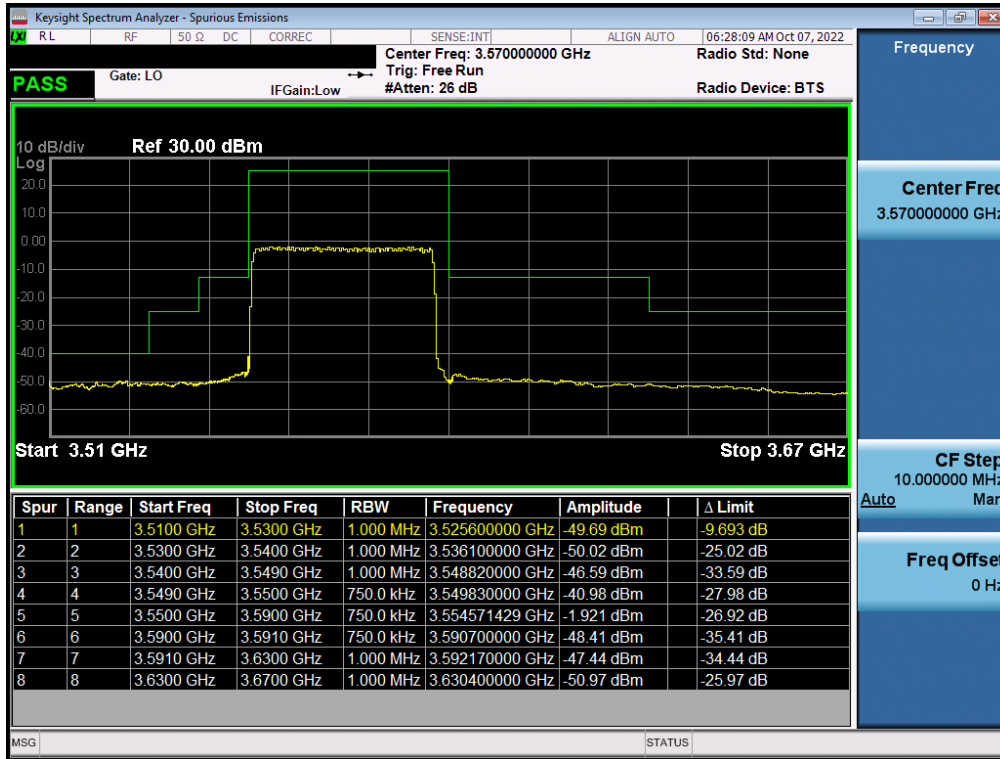
FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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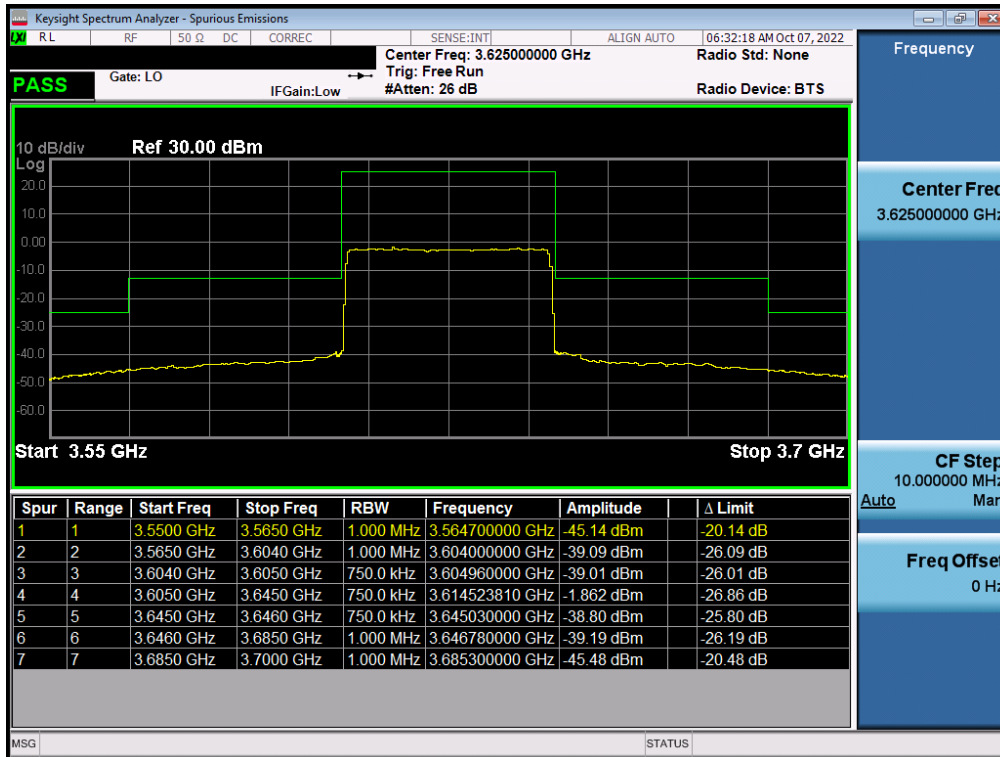
Plot 7-136. Channel Edge Plot (NR Band n48 - 10MHz QPSK - High Channel - Ant F)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n48 – Ant C

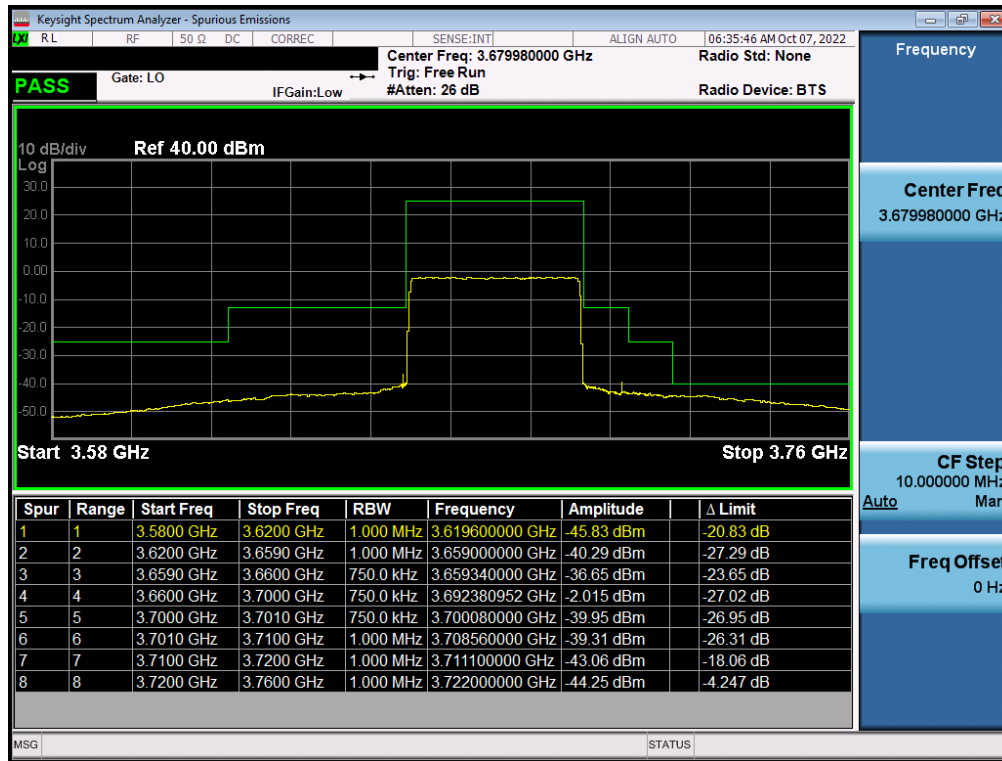


Plot 7-137. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Low Channel – Ant C)



Plot 7-138. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Mid Channel – Ant C)

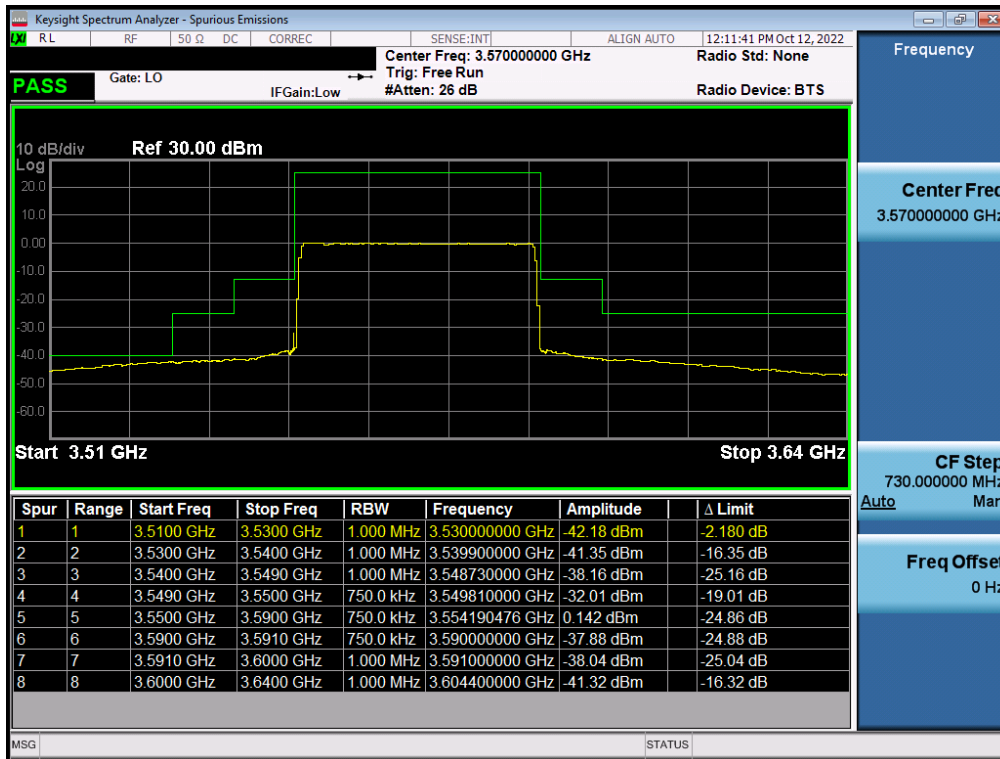
FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-07.A3L	Test Dates: 09/02/2022 - 11/21/2022	EUT Type: Portable Handset
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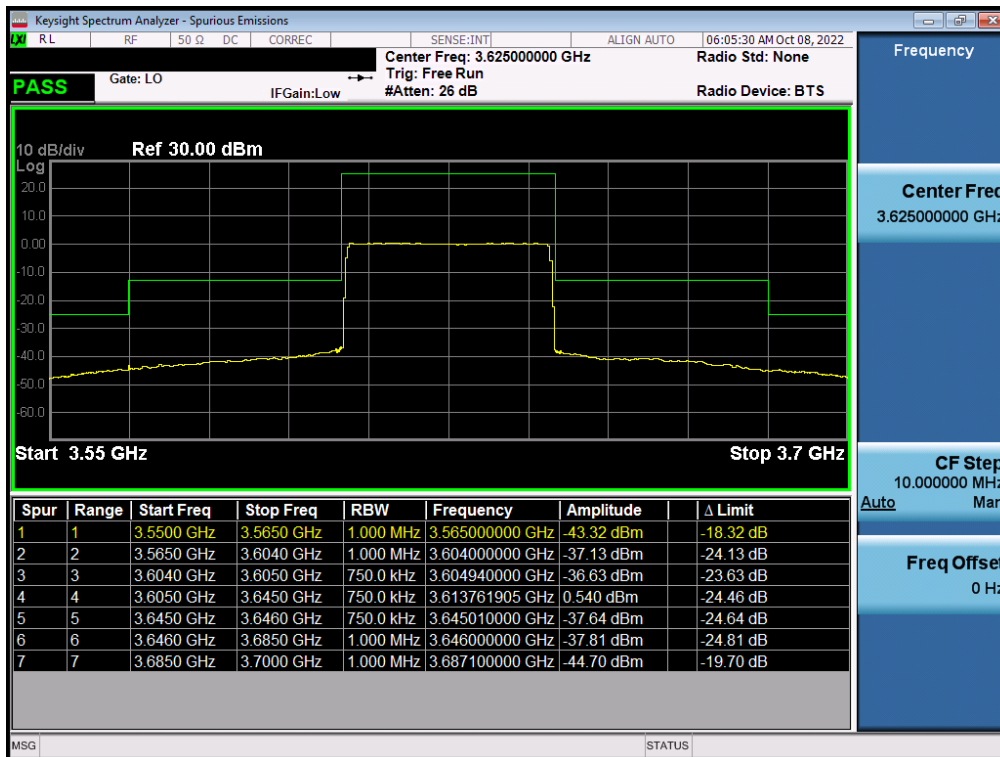
Plot 7-139. Channel Edge Plot (NR Band n48 - 40MHz QPSK - High Channel - Ant C)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n48 – Ant I

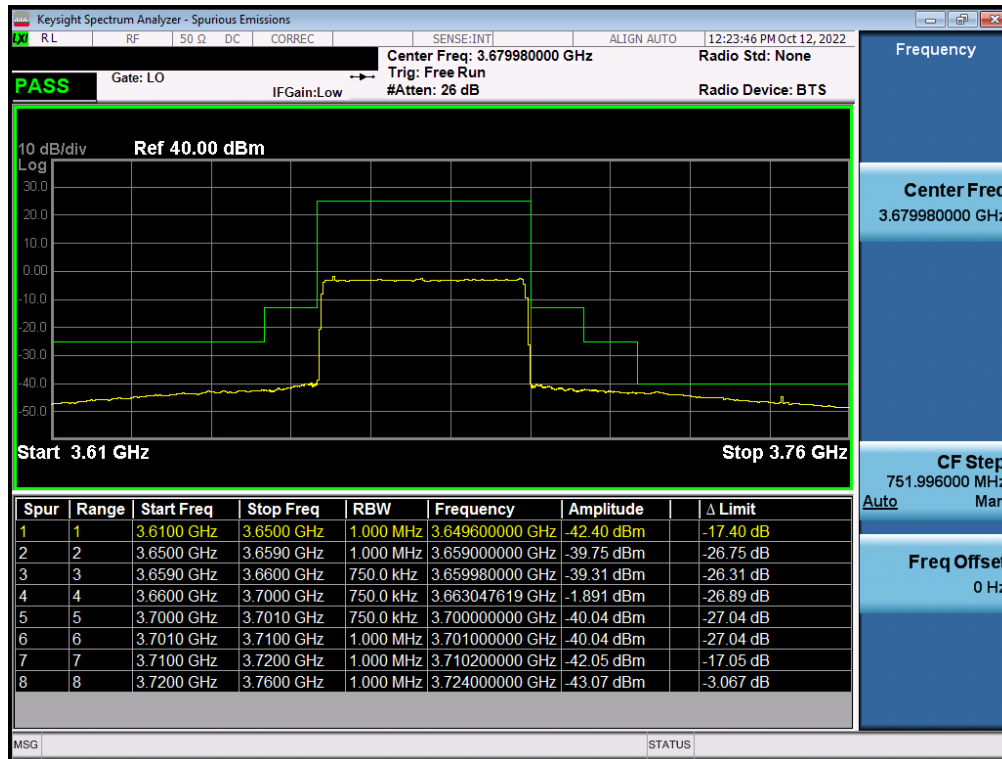


Plot 7-140. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Low Channel – Ant I)



Plot 7-141. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Mid Channel – Ant I)

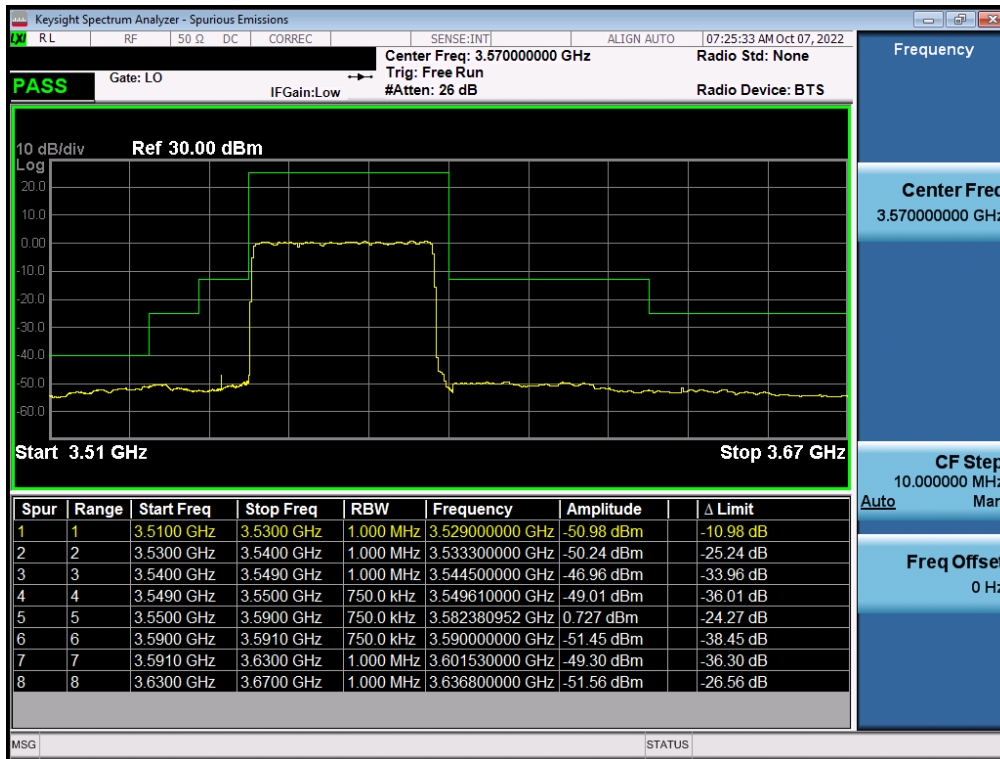
FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-07.A3L	Test Dates: 09/02/2022 - 11/21/2022	EUT Type: Portable Handset
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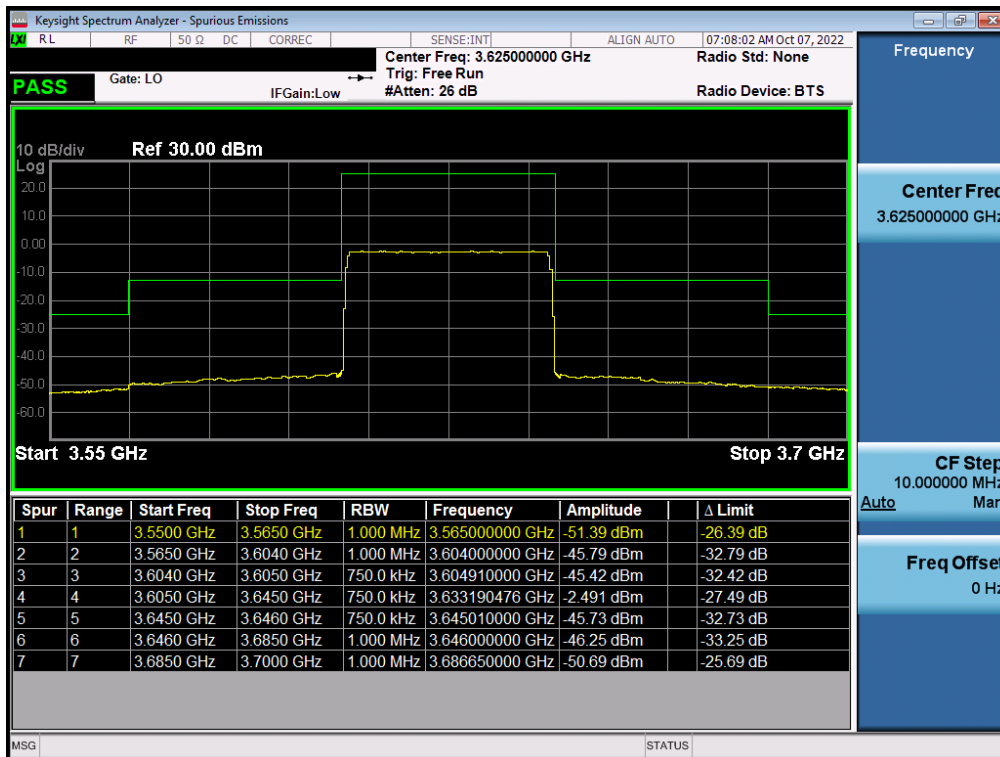
Plot 7-142. Channel Edge Plot (NR Band n48 - 40MHz QPSK - High Channel – Ant I)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n48 – Ant D

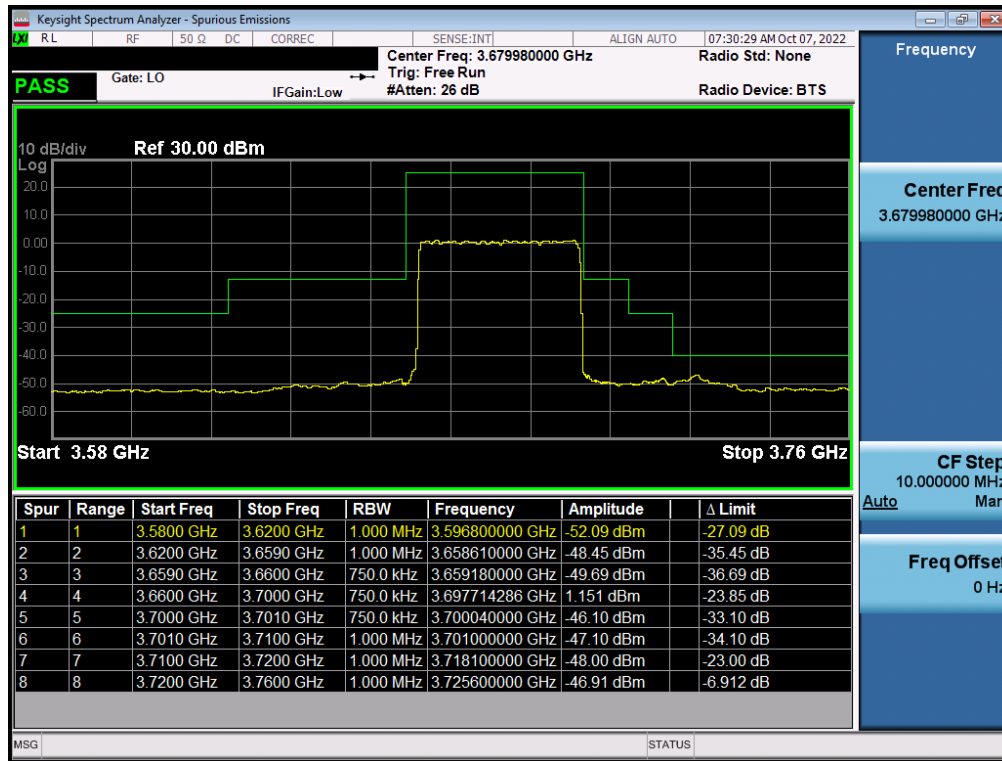


Plot 7-143. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Low Channel – Ant D)



Plot 7-144. Channel Edge Plot (NR Band n48 - 40MHz QPSK - Mid Channel – Ant D)

FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-145. Channel Edge Plot (NR Band n48 - 40MHz QPSK - High Channel – Ant D)

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7.6 Radiated Power (EIRP)

Test Overview


Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5% of the expected OBW
3. VBW \geq 3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points \geq 2 x span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was set equal to 10MHz. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize.

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

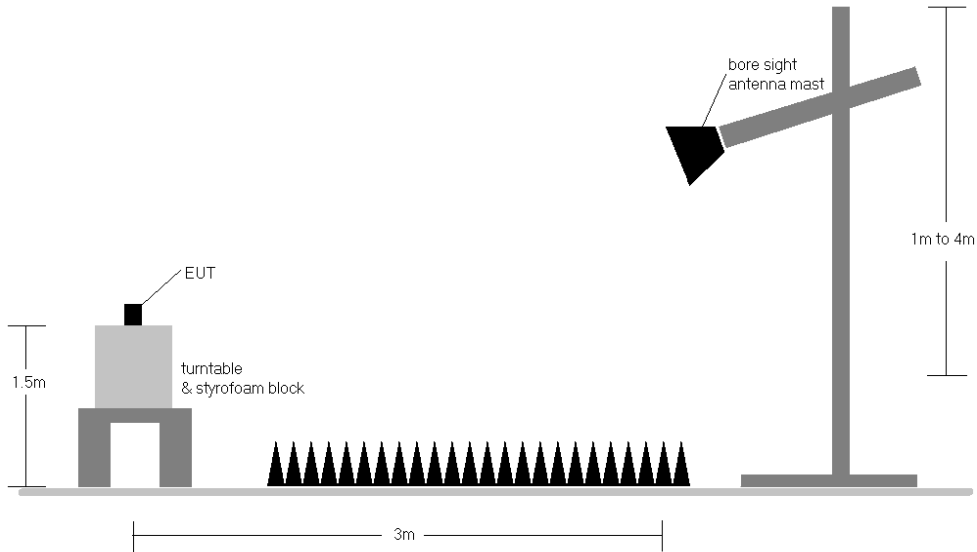



Figure 7-5. Radiated Test Setup >1GHz

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.
- 4) The worst case EIRP shown in this section is found with LTE operating only using 1RB. As such, the EIRP/10MHz and full channel EIRP values will be identical since 1RB is fully contained within all available channel bandwidths for LTE Band 48 (i.e. 5, 10, 15, 20MHz).


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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
20 MHz	QPSK	3560.00	H	205	335	7.37	1 / 50	14.02	21.39	0.138	23.00	-1.61
	QPSK	3625.00	H	175	330	6.77	1 / 0	13.71	20.48	0.112	23.00	-2.52
	QPSK	3690.00	H	188	333	6.15	1 / 50	13.64	19.79	0.095	23.00	-3.21
	16-QAM	3560.00	H	205	335	7.37	1 / 50	12.89	20.26	0.106	23.00	-2.74
15 MHz	QPSK	3557.50	H	205	335	7.40	1 / 28	13.67	21.07	0.128	23.00	-1.93
	QPSK	3625.00	H	175	330	6.77	1 / 28	13.34	20.11	0.103	23.00	-2.89
	QPSK	3692.50	H	188	333	6.12	1 / 28	13.41	19.53	0.090	23.00	-3.47
	16-QAM	3557.50	H	205	335	7.40	1 / 28	12.83	20.23	0.105	23.00	-2.77
10 MHz	QPSK	3555.00	H	205	335	7.43	1 / 17	13.72	21.15	0.130	23.00	-1.85
	QPSK	3625.00	H	175	330	6.77	1 / 17	13.45	20.21	0.105	23.00	-2.79
	QPSK	3695.00	H	188	333	6.09	1 / 17	13.51	19.60	0.091	23.00	-3.40
	16-QAM	3555.00	H	205	335	7.43	1 / 17	12.94	20.37	0.109	23.00	-2.63
5 MHz	QPSK	3552.50	H	225	339	7.45	1 / 12	13.95	21.40	0.138	23.00	-1.60
	QPSK	3625.00	H	175	330	6.77	1 / 3	14.52	21.29	0.135	23.00	-1.71
	QPSK	3697.50	H	188	333	6.06	1 / 3	14.55	20.62	0.115	23.00	-2.38
	16-QAM	3552.50	H	225	339	7.45	1 / 12	13.15	20.60	0.115	23.00	-2.40
5 MHz	QPSK (Opposite Pol.)	3552.50	V	303	4	7.15	1 / 50	12.99	20.14	0.103	23.00	-2.86
	QPSK (WCP)	3552.50	H	118	321	7.37	1 / 50	10.69	18.06	0.064	23.00	-4.94

Table 7-9. EIRP Data (LTE Band 48)

Bandwidth	Modulation	PCC			SCC			Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degrees]	Ant. Gain [dBi]	Substitute Level [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
		Bandwidth [MHz]	Frequency [MHz]	RB / Offset	Bandwidth [MHz]	Frequency [MHz]	RB / Offset									
40 MHz	QPSK	20	3560.0	1 / 99	20	3579.8	1 / 0	H	153	336	7.15	13.35	20.50	0.112	23.00	-2.50
		20	3625.0	1 / 99	20	3644.8	1 / 0	H	126	334	6.91	12.86	19.77	0.095	23.00	-3.23
		20	3690.0	1 / 0	20	3670.2	1 / 99	H	166	331	6.60	12.16	18.76	0.075	23.00	-4.24
	16-QAM	20	3560.0	1 / 99	20	3579.8	1 / 0	H	153	336	7.15	12.58	19.73	0.094	23.00	-3.27
		20	3625.0	1 / 99	20	3644.8	1 / 0	H	126	334	6.91	11.75	18.66	0.073	23.00	-4.34
		20	3690.0	1 / 0	20	3670.2	1 / 99	H	166	331	6.60	11.56	18.16	0.066	23.00	-4.84
35 MHz	QPSK	20	3557.5	1 / 99	15	3577.1	1 / 0	H	153	336	7.15	13.27	20.42	0.110	23.00	-2.58
		20	3625.0	1 / 99	15	3642.1	1 / 0	H	126	334	6.91	12.76	19.67	0.093	23.00	-3.33
		20	3692.5	1 / 0	15	3672.9	1 / 74	H	166	331	6.60	11.89	18.48	0.071	23.00	-4.52
	16-QAM	20	3557.5	1 / 99	15	3577.1	1 / 0	H	153	336	7.15	12.77	19.92	0.098	23.00	-3.08
		20	3625.0	1 / 99	15	3642.1	1 / 0	H	126	334	6.91	11.75	18.66	0.073	23.00	-4.34
		20	3692.5	1 / 0	15	3672.9	1 / 74	H	166	331	6.60	11.12	17.71	0.059	23.00	-5.29
30 MHz	QPSK	20	3555.0	1 / 99	10	3574.4	1 / 0	H	153	336	7.15	13.20	20.35	0.108	23.00	-2.65
		20	3625.0	1 / 99	10	3639.4	1 / 0	H	126	334	6.91	12.77	19.68	0.093	23.00	-3.32
		20	3695.0	1 / 0	10	3678.3	1 / 49	H	166	331	6.59	11.55	18.14	0.065	23.00	-4.86
	16-QAM	20	3555.0	1 / 99	10	3574.4	1 / 0	H	153	336	7.15	12.43	19.58	0.091	23.00	-3.42
		20	3625.0	1 / 99	10	3639.4	1 / 0	H	126	334	6.91	11.76	18.67	0.074	23.00	-4.33
		20	3695.0	1 / 0	10	3678.3	1 / 49	H	166	331	6.59	10.65	17.24	0.053	23.00	-5.76
25 MHz	QPSK	20	3552.5	1 / 99	5	3571.7	1 / 0	H	153	336	7.16	13.38	20.54	0.113	23.00	-2.46
		20	3625.0	1 / 99	5	3636.7	1 / 0	H	126	334	6.91	12.78	19.69	0.093	23.00	-3.31
		20	3697.5	1 / 0	5	3678.3	1 / 24	H	166	331	6.59	11.98	18.56	0.072	23.00	-4.44
	16-QAM	20	3552.5	1 / 99	5	3571.7	1 / 0	H	153	336	7.16	12.90	20.06	0.101	23.00	-2.94
		20	3625.0	1 / 99	5	3636.7	1 / 0	H	126	334	6.91	11.76	18.67	0.074	23.00	-4.33
		20	3697.5	1 / 0	5	3678.3	1 / 24	H	166	331	6.59	11.21	17.79	0.060	23.00	-5.21

Table 7-10. EIRP Data (ULCA Band 48)


FCC ID: A3LSMS916U	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
40 MHz	π/2 BPSK	3570.00	H	176	338	7.27	1 / 79	14.21	21.48	0.141	23.00	-1.52
	π/2 BPSK	3625.00	H	164	339	6.77	1 / 53	14.73	21.50	0.141	23.00	-1.50
	π/2 BPSK	3680.00	H	161	350	6.25	1 / 53	14.59	20.84	0.121	23.00	-2.16
	QPSK	3570.00	H	176	338	7.27	1 / 79	14.28	21.55	0.143	23.00	-1.45
	QPSK	3625.00	H	164	339	6.77	1 / 53	14.70	21.47	0.140	23.00	-1.53
	QPSK	3680.00	H	178	336	6.25	1 / 53	14.82	21.07	0.128	23.00	-1.93
	16-QAM	3570.00	H	176	338	7.27	1 / 26	13.60	20.87	0.122	23.00	-2.13
	16-QAM	3625.00	H	164	339	6.77	1 / 26	13.90	20.67	0.117	23.00	-2.33
	16-QAM	3680.00	H	178	336	6.25	1 / 26	13.76	20.01	0.100	23.00	-2.99
30 MHz	π/2 BPSK	3565.00	H	176	338	7.32	1 / 19	13.83	21.15	0.130	23.00	-1.85
	π/2 BPSK	3625.00	H	164	339	6.77	1 / 19	14.46	21.23	0.133	23.00	-1.77
	π/2 BPSK	3685.00	H	161	350	6.20	1 / 19	14.30	20.50	0.112	23.00	-2.50
	QPSK	3565.00	H	176	338	7.32	1 / 39	13.86	21.18	0.131	23.00	-1.82
	QPSK	3625.00	H	164	339	6.77	1 / 39	14.56	21.33	0.136	23.00	-1.67
	QPSK	3685.00	H	178	336	6.20	1 / 39	14.43	20.63	0.116	23.00	-2.37
	16-QAM	3565.00	H	176	338	7.32	1 / 19	13.15	20.47	0.111	23.00	-2.53
	16-QAM	3625.00	H	164	339	6.77	1 / 19	13.57	20.34	0.108	23.00	-2.66
	16-QAM	3685.00	H	178	336	6.20	1 / 19	13.48	19.68	0.093	23.00	-3.32
20 MHz	π/2 BPSK	3560.00	H	176	338	7.37	1 / 25	14.18	21.55	0.143	23.00	-1.45
	π/2 BPSK	3625.00	H	164	339	6.77	1 / 13	14.62	21.39	0.138	23.00	-1.61
	π/2 BPSK	3690.00	H	161	350	6.15	1 / 37	14.97	21.11	0.129	23.00	-1.89
	QPSK	3560.00	H	176	338	7.37	1 / 25	13.91	21.28	0.134	23.00	-1.72
	QPSK	3625.00	H	164	339	6.77	1 / 25	14.45	21.22	0.132	23.00	-1.78
	QPSK	3690.00	H	178	336	6.15	1 / 37	15.04	21.18	0.131	23.00	-1.82
	16-QAM	3560.00	H	176	338	7.37	1 / 25	13.44	20.81	0.120	23.00	-2.19
	16-QAM	3625.00	H	164	339	6.77	1 / 13	13.97	20.74	0.119	23.00	-2.26
	16-QAM	3690.00	H	178	336	6.15	1 / 37	14.77	20.91	0.123	23.00	-2.09
15 MHz	π/2 BPSK	3557.50	H	176	338	7.40	1 / 19	14.20	21.60	0.145	23.00	-1.40
	π/2 BPSK	3625.00	H	164	339	6.77	1 / 19	14.89	21.66	0.146	23.00	-1.34
	π/2 BPSK	3692.50	H	161	350	6.12	1 / 19	14.76	20.87	0.122	23.00	-2.13
	QPSK	3557.50	H	176	338	7.40	1 / 19	14.14	21.54	0.143	23.00	-1.46
	QPSK	3625.00	H	164	339	6.77	1 / 19	14.92	21.69	0.148	23.00	-1.31
	QPSK	3692.50	H	178	336	6.12	1 / 19	14.32	20.43	0.110	23.00	-2.57
	16-QAM	3557.50	H	176	338	7.40	1 / 19	13.71	21.11	0.129	23.00	-1.89
	16-QAM	3625.00	H	164	339	6.77	1 / 9	14.03	20.80	0.120	23.00	-2.20
	16-QAM	3692.50	H	178	336	6.12	1 / 19	14.11	20.22	0.105	23.00	-2.78
10 MHz	π/2 BPSK	3555.00	H	176	338	7.43	1 / 12	13.99	21.42	0.139	23.00	-1.58
	π/2 BPSK	3625.00	H	164	339	6.77	1 / 12	14.59	21.36	0.137	23.00	-1.64
	π/2 BPSK	3695.00	H	161	350	6.09	1 / 17	14.28	20.37	0.109	23.00	-2.63
	QPSK	3555.00	H	176	338	7.43	1 / 12	14.15	21.58	0.144	23.00	-1.42
	QPSK	3625.00	H	164	339	6.77	1 / 12	14.77	21.54	0.142	23.00	-1.46
	QPSK	3695.00	H	178	336	6.09	1 / 17	14.17	20.26	0.106	23.00	-2.74
	16-QAM	3555.00	H	176	338	7.43	1 / 12	13.37	20.80	0.120	23.00	-2.20
	16-QAM	3625.00	H	164	339	6.77	1 / 12	13.69	20.46	0.111	23.00	-2.54
	16-QAM	3695.00	H	178	336	6.09	1 / 12	13.26	19.35	0.086	23.00	-3.65
40 MHz	QPSK (CP-OFDM)	3570.00	H	176	338	7.27	1 / 79	13.24	20.51	0.112	23.00	-2.49
	QPSK (Opposite Pol.)	3570.00	V	373	336	7.14	1 / 79	14.26	21.40	0.138	23.00	-1.60
	QPSK (WCP)	3570.00	H	104	336	7.27	1 / 26	13.33	20.60	0.115	23.00	-2.40

Table 7-11. EIRP Data (NR Band n48 – Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
40 MHz	π/2 BPSK	3570.00	H	110	46	7.27	1 / 79	8.95	16.22	0.042	23.00	-6.78
	π/2 BPSK	3625.00	H	110	44	6.77	1 / 53	10.34	17.11	0.051	23.00	-5.89
	π/2 BPSK	3680.00	H	119	48	6.25	1 / 53	9.92	16.17	0.041	23.00	-6.83
	QPSK	3570.00	H	110	46	7.27	1 / 79	8.49	15.76	0.038	23.00	-7.24
	QPSK	3625.00	H	110	44	6.77	1 / 53	9.90	16.67	0.046	23.00	-6.33
	QPSK	3680.00	H	119	48	6.25	1 / 53	9.34	15.59	0.036	23.00	-7.41
	16-QAM	3680.00	H	119	48	6.25	1 / 53	9.49	15.74	0.038	23.00	-7.26
40 MHz	QPSK (CP-OFDM)	3625.00	H	110	44	6.77	1/79	10.03	16.80	0.048	23.00	-6.20
	QPSK (Opposite Pol.)	3625.00	V	397	343	6.91	1/79	8.33	15.24	0.033	23.00	-7.76

Table 7-12. EIRP Data (NR Band n48 – Ant C)


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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
40 MHz	$\pi/2$ BPSK	3570.00	H	227	322	7.27	1 / 26	6.10	13.37	0.022	23.00	-9.63
	$\pi/2$ BPSK	3625.00	H	231	318	6.77	1 / 26	4.72	11.49	0.014	23.00	-11.51
	$\pi/2$ BPSK	3680.00	H	232	320	6.25	1 / 53	3.75	10.00	0.010	23.00	-13.00
	QPSK	3570.00	H	227	322	7.27	1 / 26	5.84	13.11	0.020	23.00	-9.89
	QPSK	3625.00	H	231	318	6.77	1 / 26	5.20	11.97	0.016	23.00	-11.03
	QPSK	3680.00	H	232	320	6.25	1 / 53	2.64	8.89	0.008	23.00	-14.11
40 MHz	16-QAM	3570.00	H	227	322	7.27	1 / 26	5.37	12.64	0.018	23.00	-10.36
	QPSK (CP-OFDM)	3570.00	H	227	322	7.27	1/26	3.48	10.75	0.012	23.00	-12.25
	QPSK (Opposite Pol.)	3570.00	V	388	8	7.14	1/53	2.40	9.54	0.009	23.00	-13.46

Table 7-13. EIRP Data (NR Band n48 – Ant I)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm/10MHz]	EIRP [Watts/10MHz]	EIRP Limit [dBm/10MHz]	Margin [dB]
40 MHz	$\pi/2$ BPSK	3570.00	H	107	48	7.27	1 / 26	6.50	13.77	0.024	23.00	-9.23
	$\pi/2$ BPSK	3625.00	H	108	46	6.77	1 / 26	7.38	14.15	0.026	23.00	-8.85
	$\pi/2$ BPSK	3680.00	H	105	42	6.25	1 / 26	7.73	13.98	0.025	23.00	-9.02
	QPSK	3570.00	H	107	48	7.27	1 / 26	6.67	13.94	0.025	23.00	-9.06
	QPSK	3625.00	H	108	46	6.77	1 / 26	7.40	14.17	0.026	23.00	-8.83
	QPSK	3680.00	H	105	42	6.25	1 / 26	7.42	13.67	0.023	23.00	-9.33
40 MHz	16-QAM	3680.00	H	105	42	6.25	1 / 26	7.31	13.56	0.023	23.00	-9.44
	QPSK (CP-OFDM)	3625.00	H	108	46	6.77	1/26	6.93	13.70	0.023	23.00	-9.30
	QPSK (Opposite Pol.)	3625.00	V	107	342	6.91	1/53	4.01	10.92	0.012	23.00	-12.08

Table 7-14. EIRP Data (NR Band n48 – Ant D)

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7.7 Radiated Spurious Emissions Measurements

Test Overview


Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Max Hold (In cases where the level is within 2dB of the limit, the final measurement is taken using triggering/gating and trace averaging.)
7. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

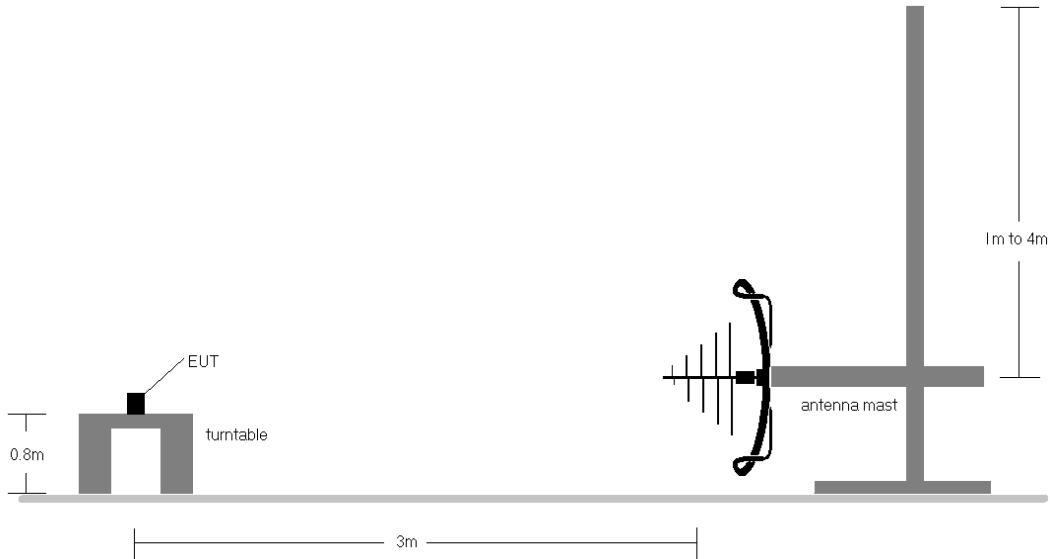


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

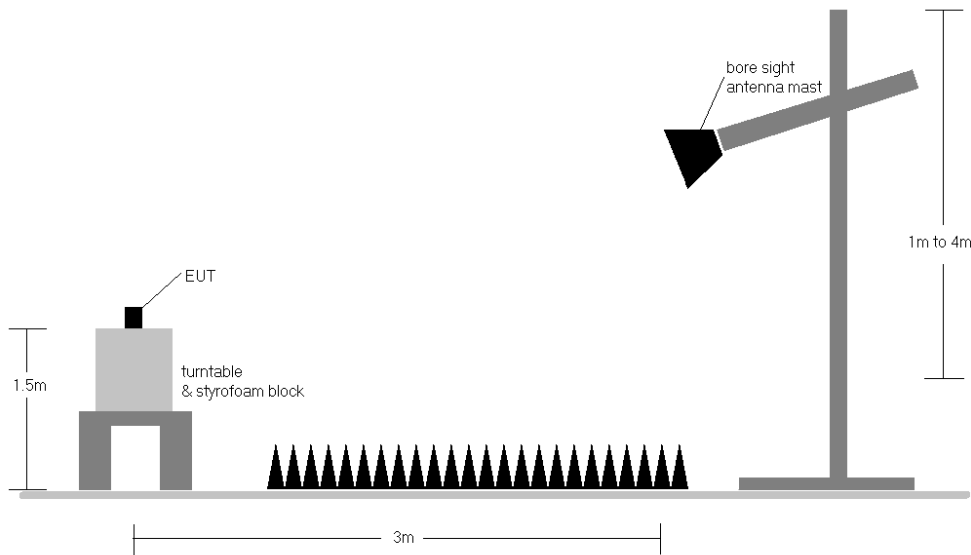




Figure 7-7. Test Instrument & Measurement Setup >1 GHz

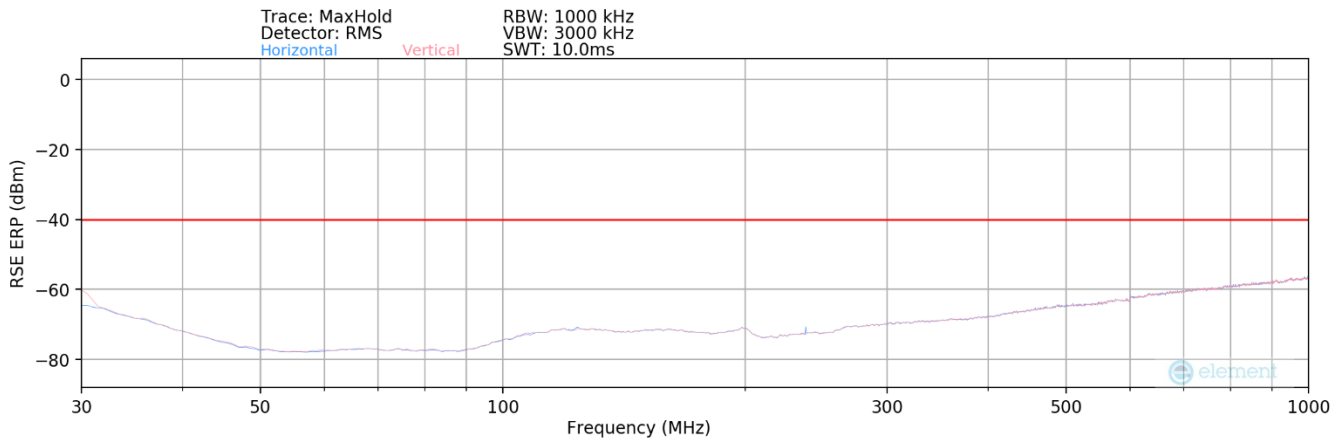
FCC ID: A3LSMS916U	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 3) This unit was tested with its standard battery.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3-meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.
- 8) Spurious emissions shown in this section are measured while operating in EN-DC mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor). Spurious emissions from the NR carrier device are subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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LTE Band 48



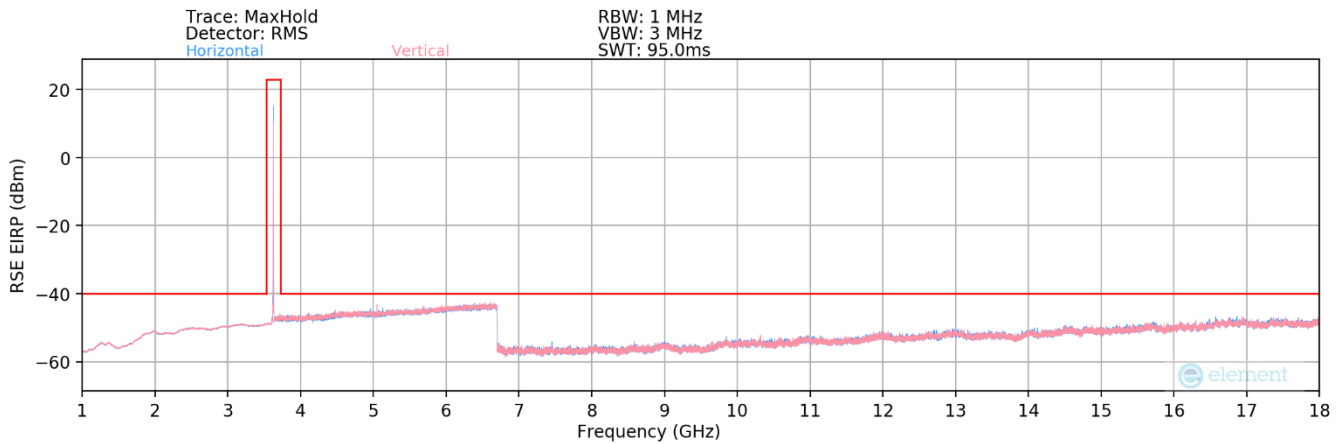
Plot 7-146. Radiated Spurious Plot 30MHz-1GHz (LTE Band 48)

Bandwidth (MHz):	20
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 50

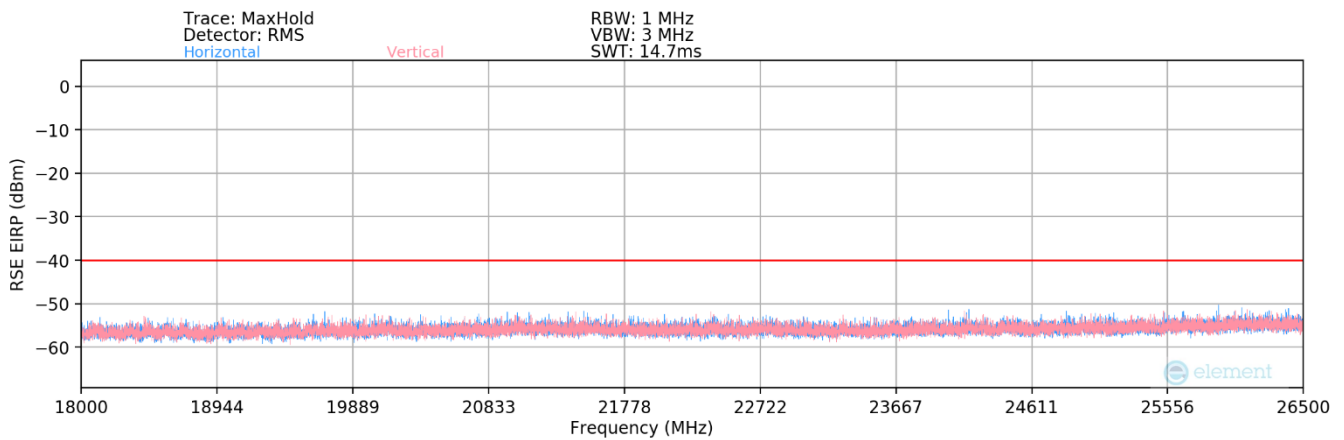
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB μ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
187.45	V	-	-	-87.07	18.64	38.57	-58.84	-40.00	-18.84

Table 7-15. Radiated Spurious Data 30MHz-1GHz (LTE Band 48 – Mid Channel)

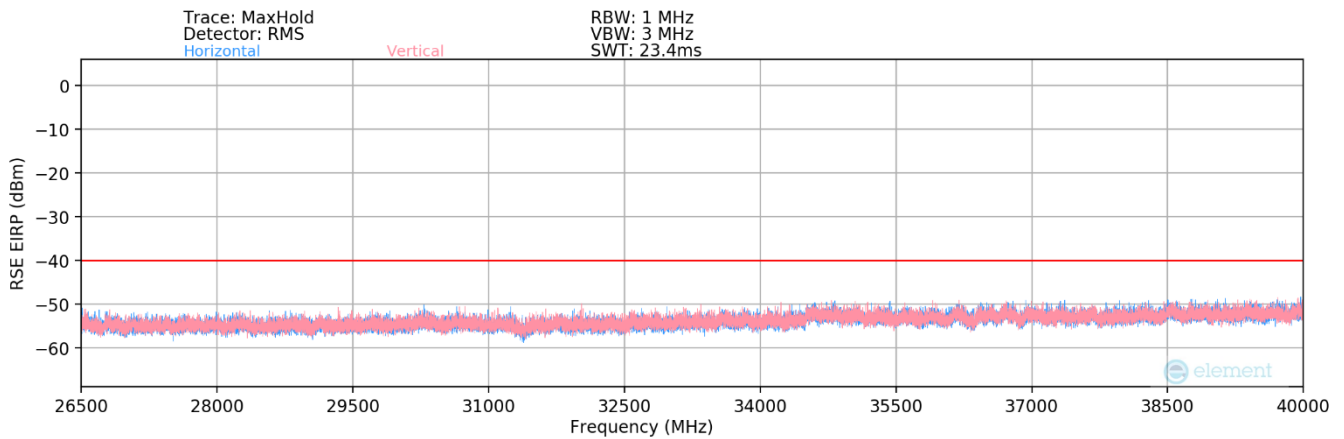
FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-147. Radiated Spurious Plot 1-18GHz (LTE Band 48)



Plot 7-148. Radiated Spurious Plot 18-26.5GHz (LTE Band 48)



Plot 7-149. Radiated Spurious Plot 26.5-40GHz (LTE Band 48)

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Bandwidth (MHz):	20
Frequency (MHz):	3560.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7120.00	V	136	335	-77.37	8.09	37.72	-57.54	-40.00	-17.54
10680.00	V	-	-	-81.79	12.21	37.42	-57.84	-40.00	-17.84
14240.00	V	-	-	-81.42	14.87	40.45	-54.81	-40.00	-14.81
17800.00	V	-	-	-81.89	17.58	42.69	-52.56	-40.00	-12.56

Table 7-16. Radiated Spurious Data (LTE Band 48 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3625.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7250.00	V	386	38	-77.05	7.59	37.54	-57.72	-40.00	-17.72
10875.00	V	-	-	-80.91	11.86	37.95	-57.30	-40.00	-17.30
14500.00	V	-	-	-82.14	15.32	40.18	-55.08	-40.00	-15.08

Table 7-17. Radiated Spurious Data (LTE Band 48 – Mid Channel)

Bandwidth (MHz):	20
Frequency (MHz):	3690.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7380.00	V	146	37	-78.42	8.05	36.63	-58.63	-40.00	-18.63
11070.00	V	-	-	-81.43	12.18	37.75	-57.51	-40.00	-17.51
14760.00	V	-	-	-82.82	15.89	40.07	-55.19	-40.00	-15.19

Table 7-18. Radiated Spurious Data (LTE Band 48 – High Channel)

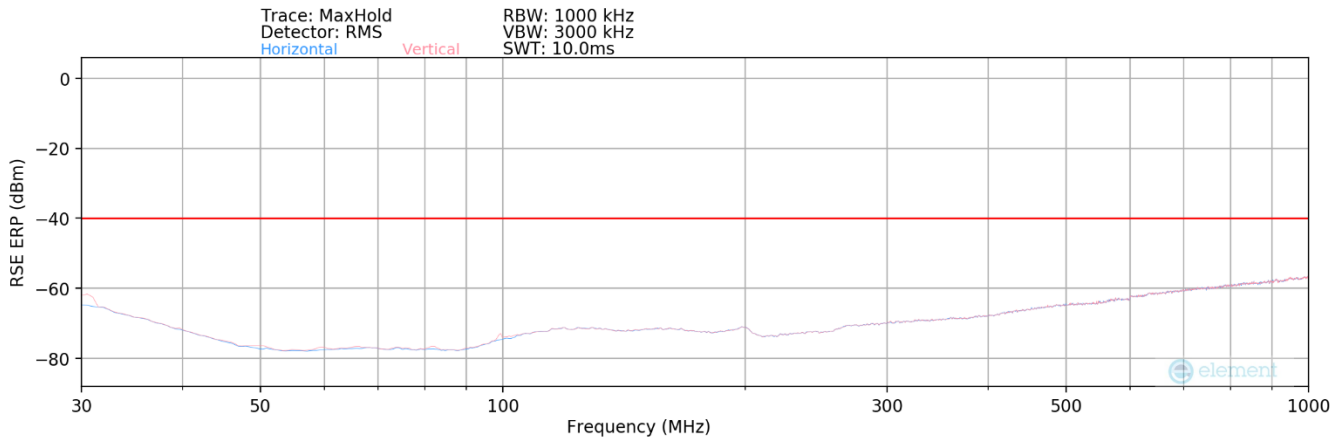
Case:	w/ Wireless Charging Pad
Bandwidth (MHz):	20
Frequency (MHz):	3560.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7120.00	V	-	-	-79.40	8.09	35.69	-59.57	-40.00	-19.57
10680.00	V	-	-	-81.83	12.21	37.38	-57.88	-40.00	-17.88
14240.00	V	-	-	-81.84	14.87	40.03	-55.23	-40.00	-15.23
17800.00	V	-	-	-82.02	17.58	42.56	-52.69	-40.00	-12.69

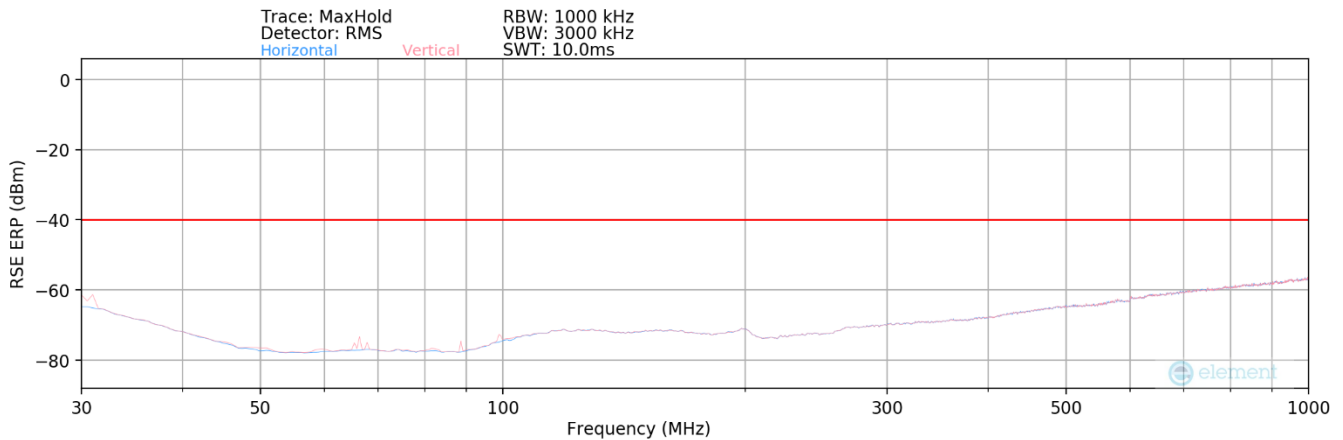
Table 7-19. Radiated Spurious Data with WCP (LTE Band 48)

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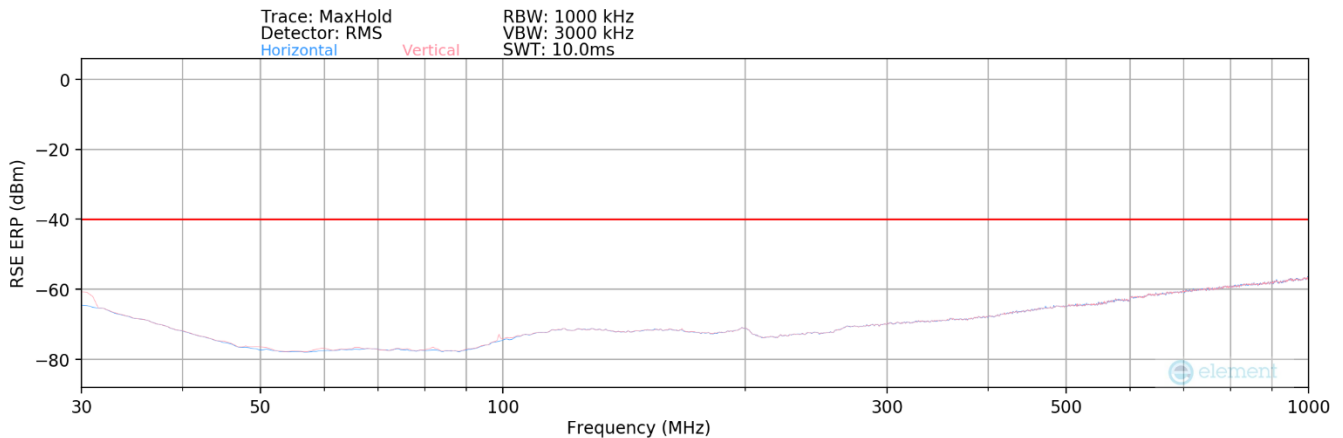
ULCA LB48




Plot 7-150. Radiated Spurious Plot 30MHz-1GHz (ULCA LB48 – Low Channel)



Plot 7-151. Radiated Spurious Plot 30MHz-1GHz (ULCA LB48 – Mid Channel)



Plot 7-152. Radiated Spurious Plot 30MHz-1GHz (ULCA LB48 – High Channel)

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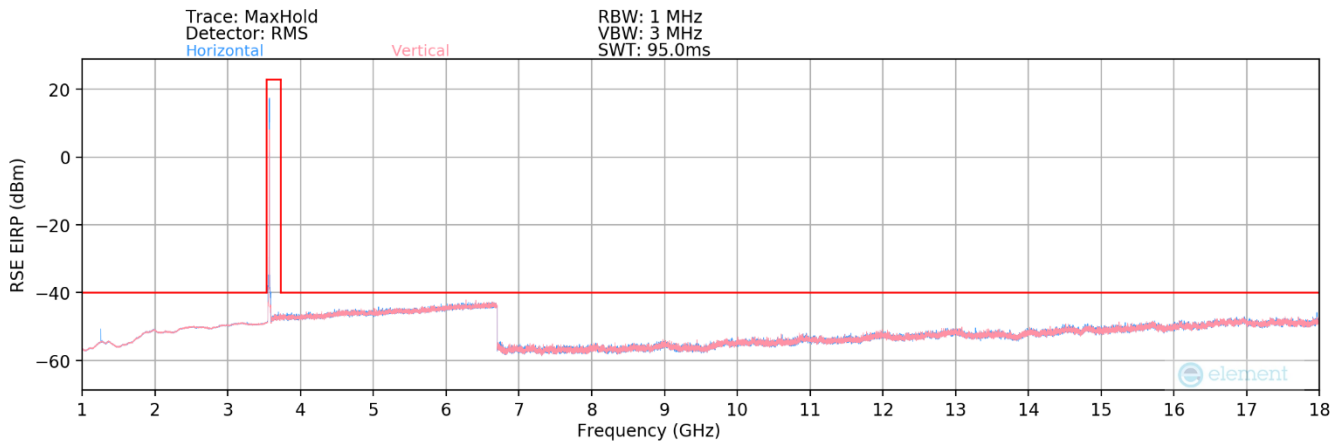


PCC Bandwidth (MHz):	3625
PCC Frequency (MHz):	1 / 99
PCC RB / Offset:	20
SCC Bandwidth (MHz):	3645
SCC Frequency (MHz):	1 / 0
SCC RB / Offset:	QPSK
Modulation Signal:	QPSK

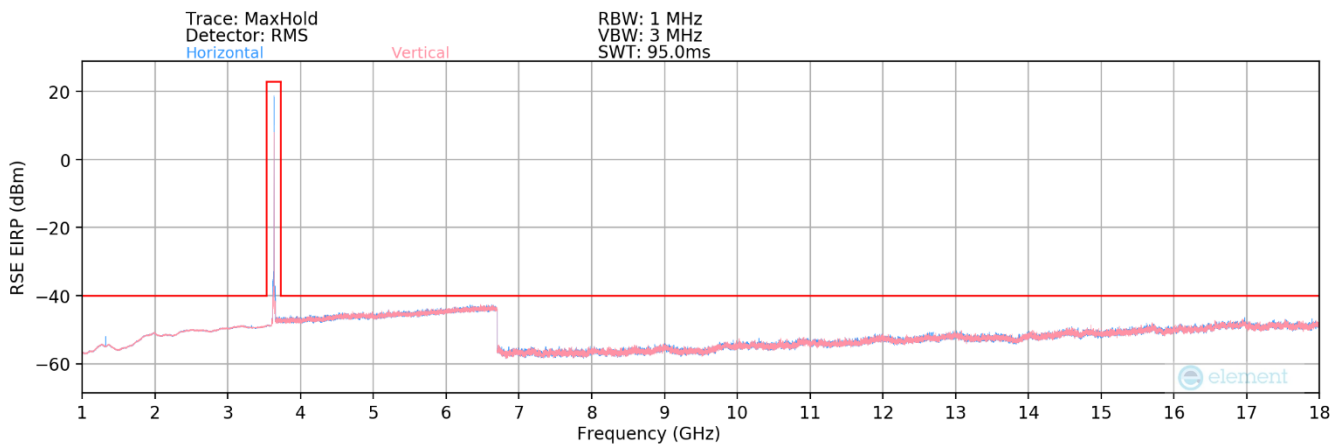
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
70.69	V	-	-	-87.61	14.79	34.18	-63.23	-40.00	-23.23

Table 7-20. Radiated Spurious Data 30MHz-1GHz (ULCA LB48 – Mid Channel)

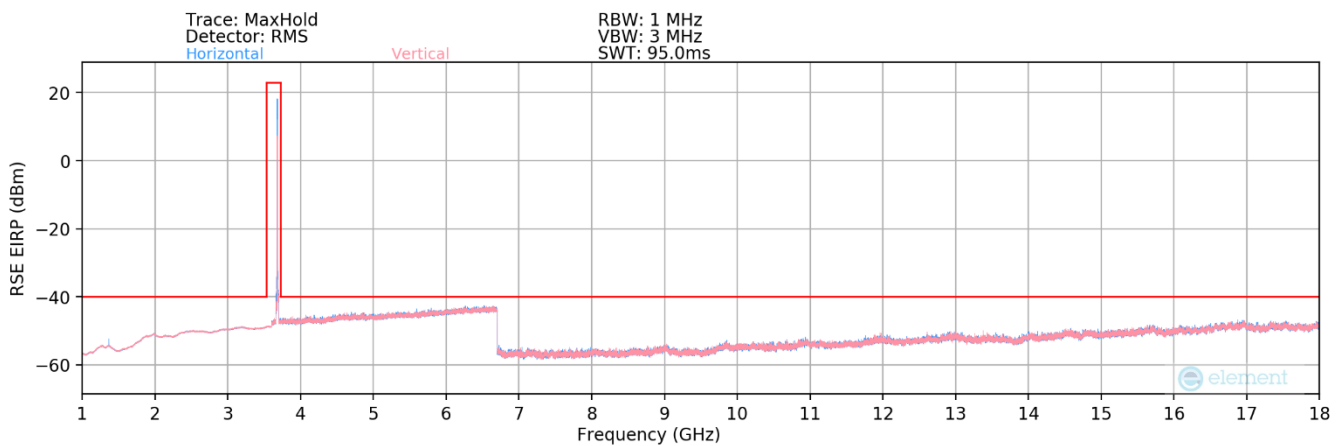
FCC ID: A3LSMS916U	PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-153. Radiated Spurious Plot 1-18GHz (ULCA LB48 – Low Channel)

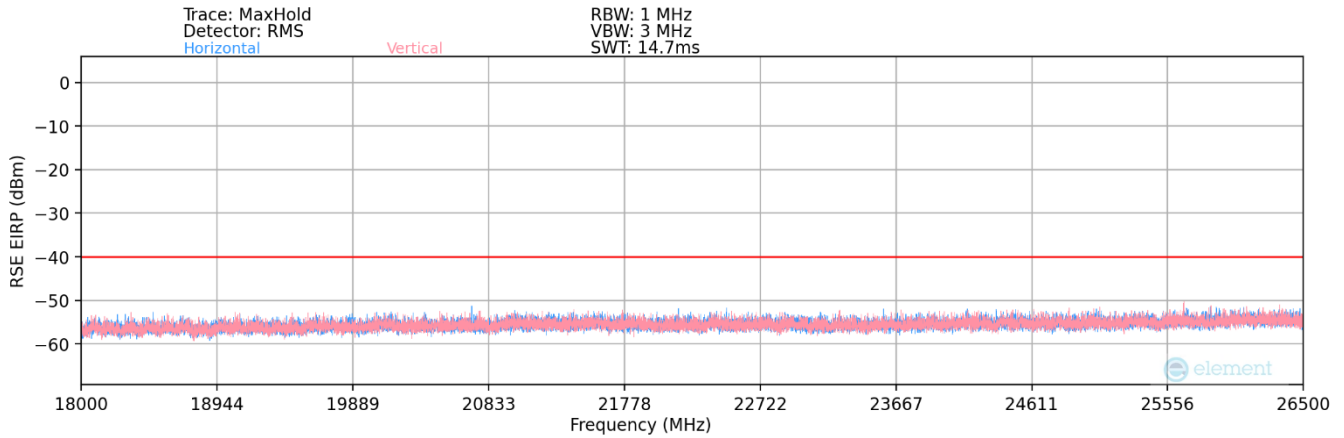


Plot 7-154. Radiated Spurious Plot 1-18GHz (ULCA LB48 – Mid Channel)

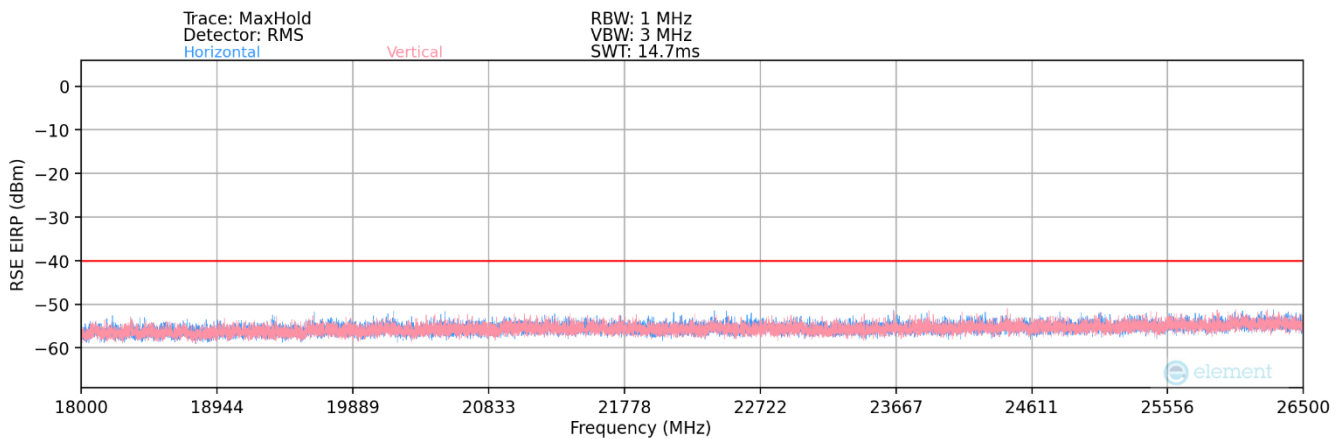


Plot 7-155. Radiated Spurious Plot 1-18GHz (ULCA LB48 – High Channel)

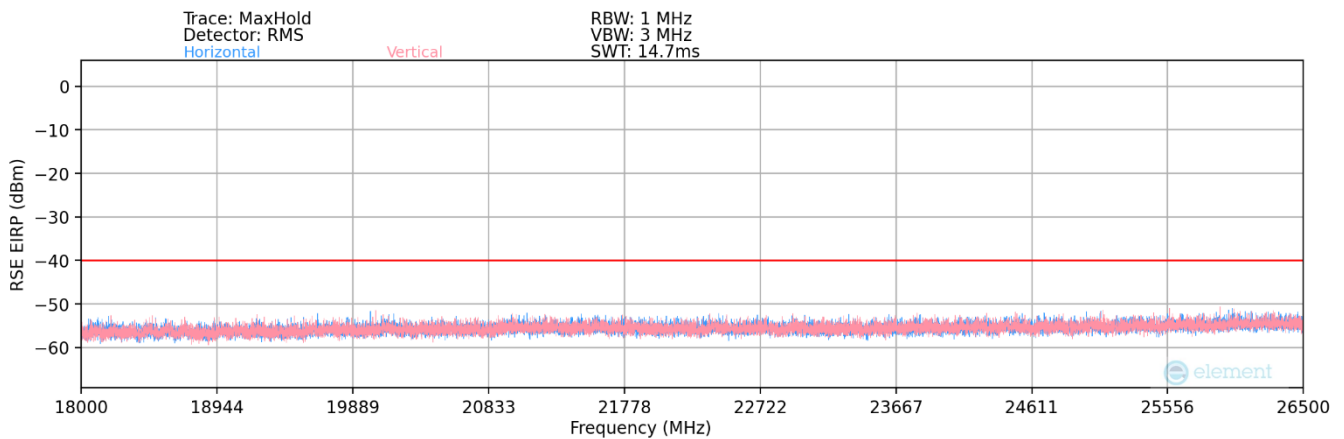
FCC ID: A3LSMS916U	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-156. Radiated Spurious Plot 18-26.5GHz (ULCA LB48 – Low Channel)

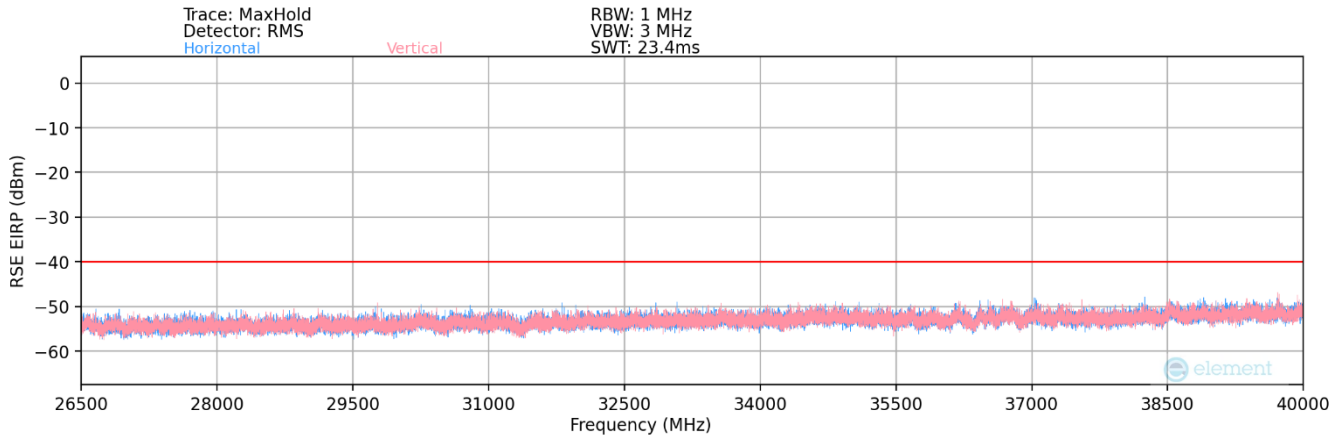


Plot 7-157. Radiated Spurious Plot 18-26.5GHz (ULCA LB48 – Mid Channel)

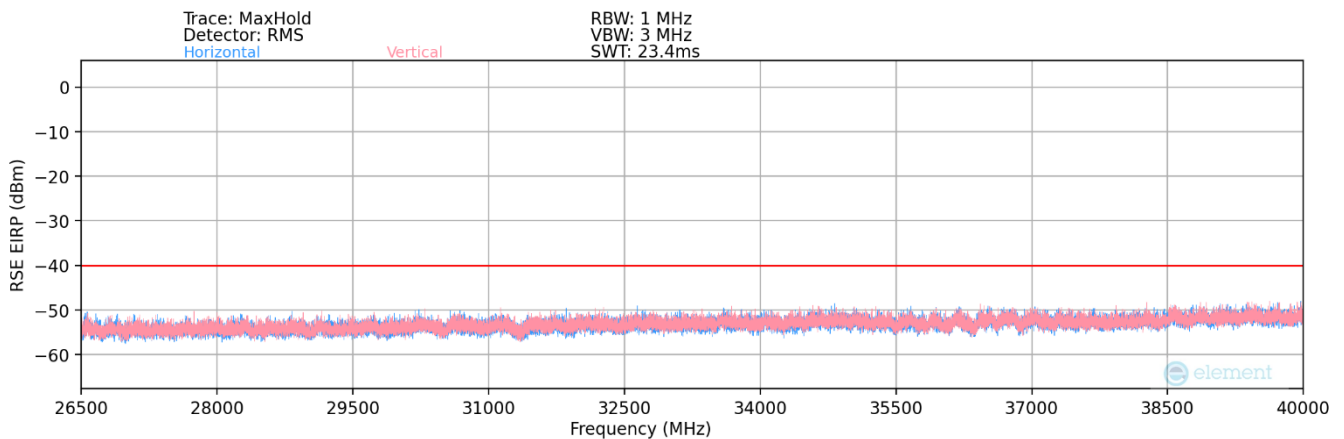


Plot 7-158. Radiated Spurious Plot 18-26.5GHz (ULCA LB48 – High Channel)

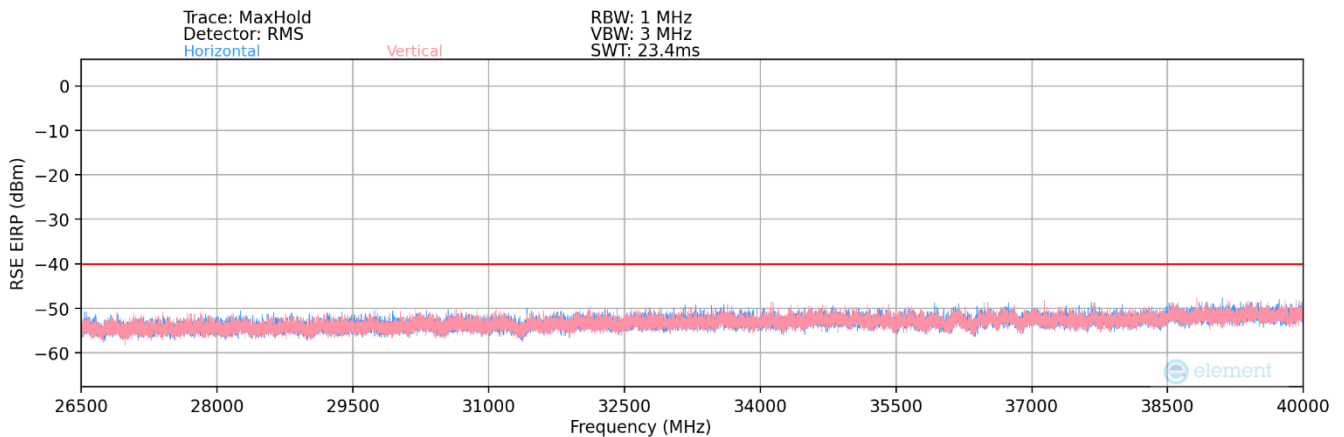
FCC ID: A3LSMS916U	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-07.A3L	Test Dates: 09/02/2022 - 11/21/2022	EUT Type: Portable Handset
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Plot 7-159. Radiated Spurious Plot 26.5-40GHz (ULCA LB48 – Low Channel)



Plot 7-160. Radiated Spurious Plot 26.5-40GHz (ULCA LB48 – Mid Channel)



Plot 7-161. Radiated Spurious Plot 26.5-40GHz (ULCA LB48 – High Channel)

FCC ID: A3LSMS916U	 PART 96 MEASUREMENT REPORT		Approved by: Technical Manager
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3560.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3579.8
SCC RB / Offset:	1 / 0
Modulation Signal:	QPSK

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7120.00	V	-	-	-78.20	8.09	36.89	-58.37	-40.00	-18.37
10680.00	V	-	-	-81.76	12.21	37.45	-57.81	-40.00	-17.81
14240.00	V	-	-	-82.18	14.87	39.69	-55.57	-40.00	-15.57

Table 7-21. Radiated Spurious Data (ULCA LB48 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3625.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3644.8
SCC RB / Offset:	1 / 0
Modulation Signal:	QPSK


Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7250.00	V	-	-	-79.12	7.59	35.47	-59.79	-40.00	-19.79
10875.00	V	-	-	-81.27	11.86	37.59	-57.66	-40.00	-17.66
14500.00	V	-	-	-81.99	15.32	40.33	-54.93	-40.00	-14.93

Table 7-22. Radiated Spurious Data (ULCA LB48 – Mid Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	3690.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	3670.2
SCC RB / Offset:	1 / 0
Modulation Signal:	QPSK

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7380.00	V	-	-	-79.83	8.05	35.22	-60.04	-40.00	-20.04
11070.00	V	-	-	-80.78	12.18	38.40	-56.86	-40.00	-16.86
14760.00	V	-	-	-82.48	15.89	40.41	-54.85	-40.00	-14.85

Table 7-23. Radiated Spurious Data (ULCA LB48 – High Channel)

FCC ID: A3LSMS916U	 PART 96 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-07.A3L	Test Dates: 09/02/2022 - 11/21/2022	EUT Type: Portable Handset
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