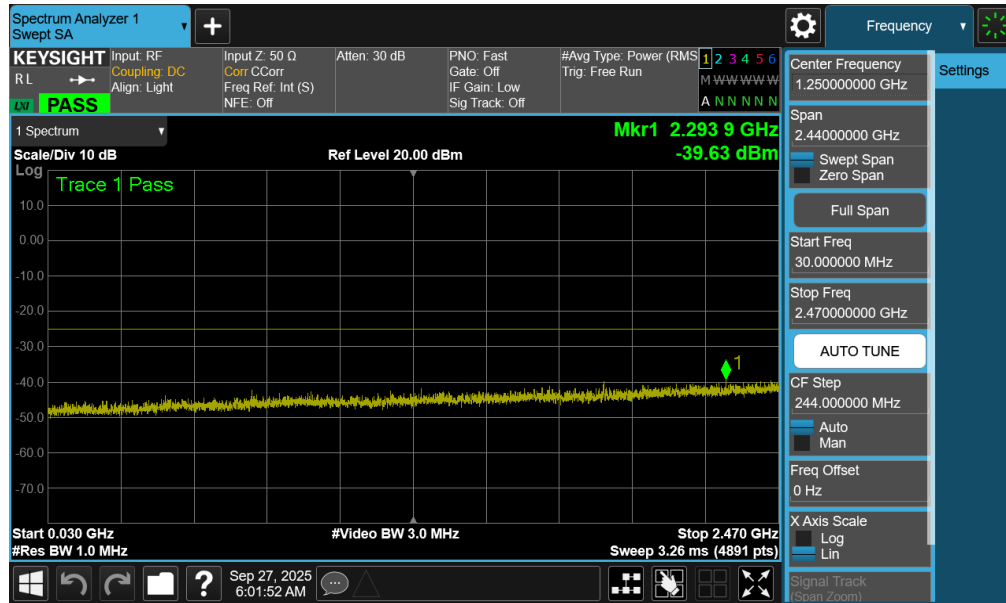
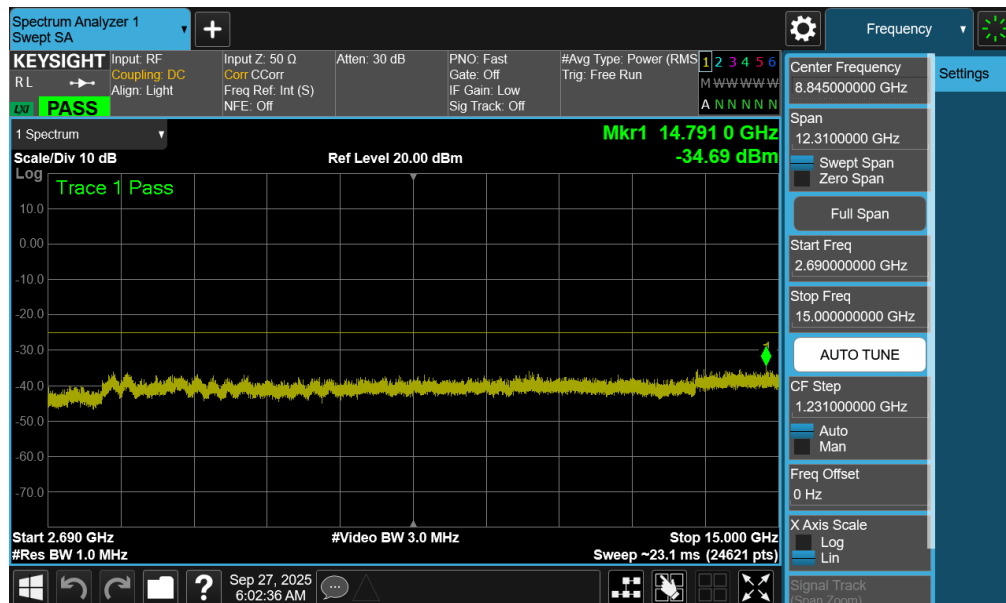


NR Band n41 – UL-MIMO – Ant1

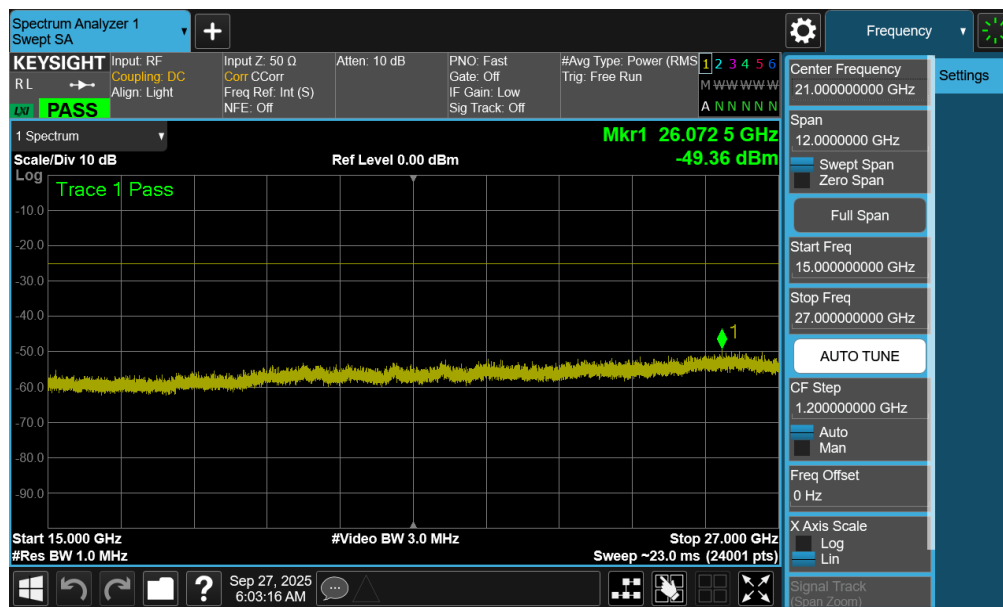


Plot 7-218. Conducted Spurious Plot (NR Band n41PC2 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)



Plot 7-219. Conducted Spurious Plot (NR Band n41PC2 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)

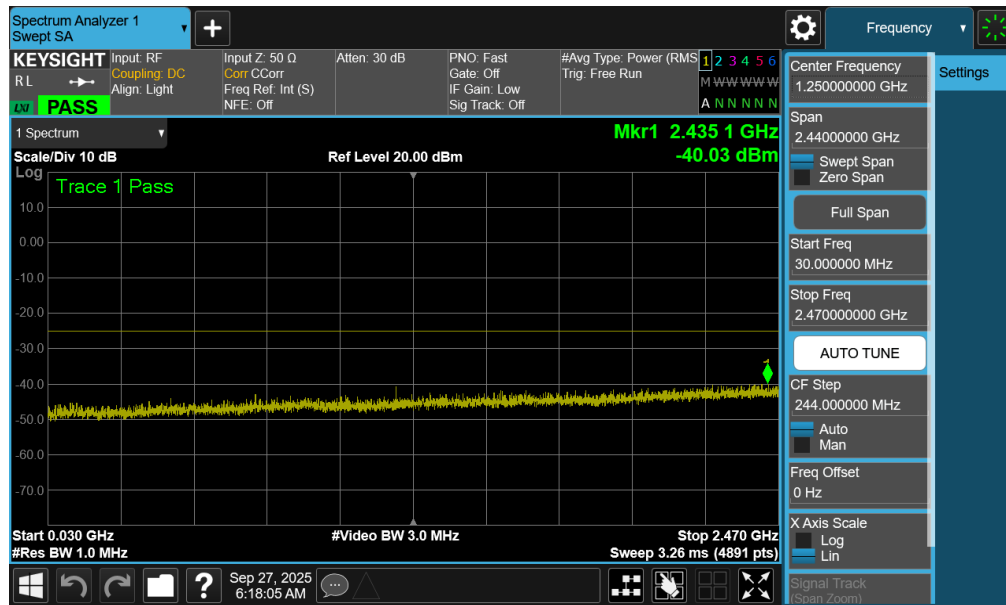
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 160 of 252



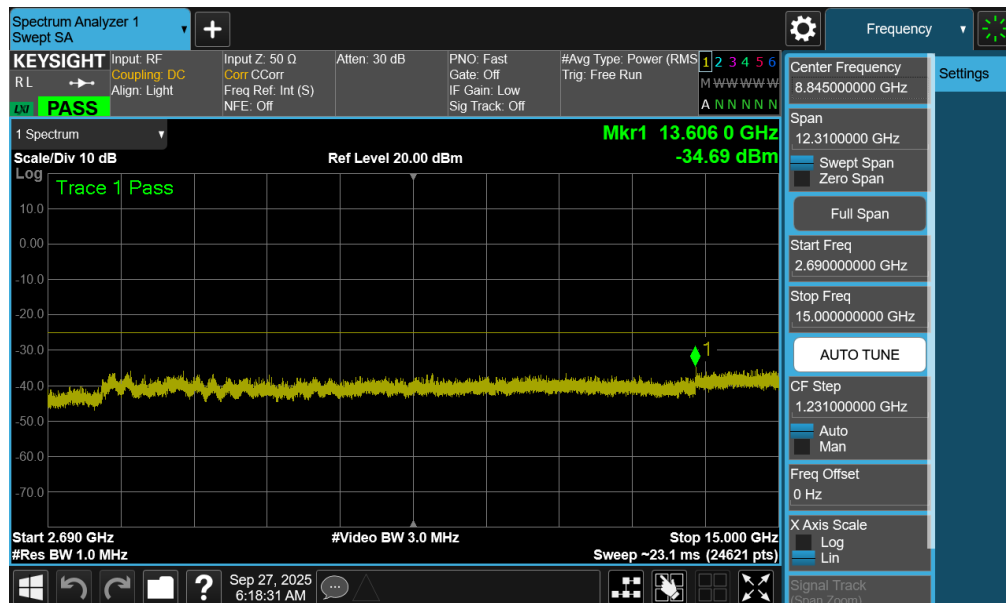
Plot 7-220. Conducted Spurious Plot (NR Band n41PC2 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant1)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 161 of 252

NR Band n41 – UL-MIMO – Ant2

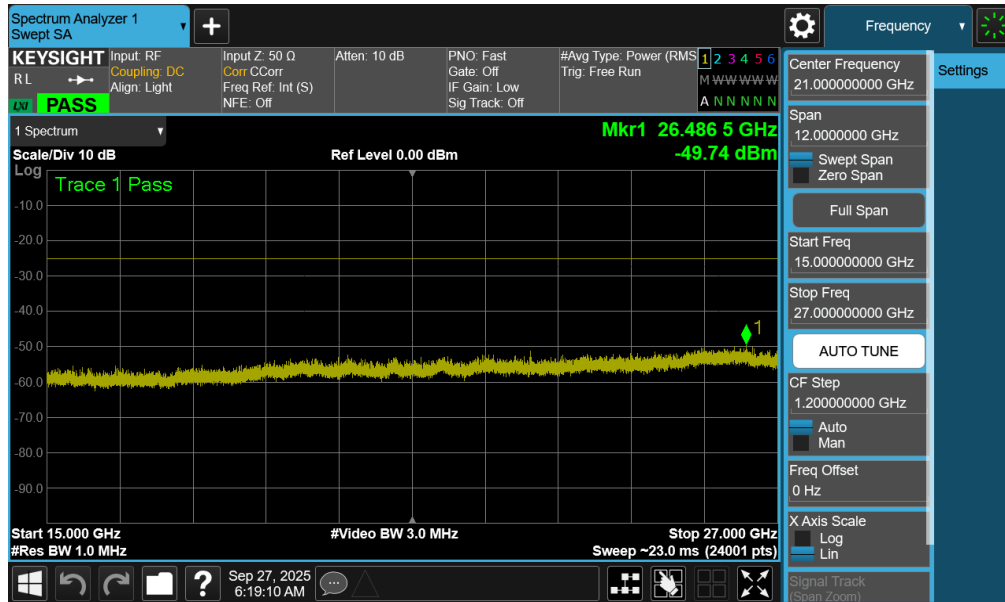


Plot 7-221. Conducted Spurious Plot (NR Band n41PC2 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant2)



Plot 7-222. Conducted Spurious Plot (NR Band n41PC2 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 162 of 252



Plot 7-223. Conducted Spurious Plot (NR Band n41PC2 - 100MHz QPSK - RB Size 1, RB Offset 0 - Low Channel Ant2)

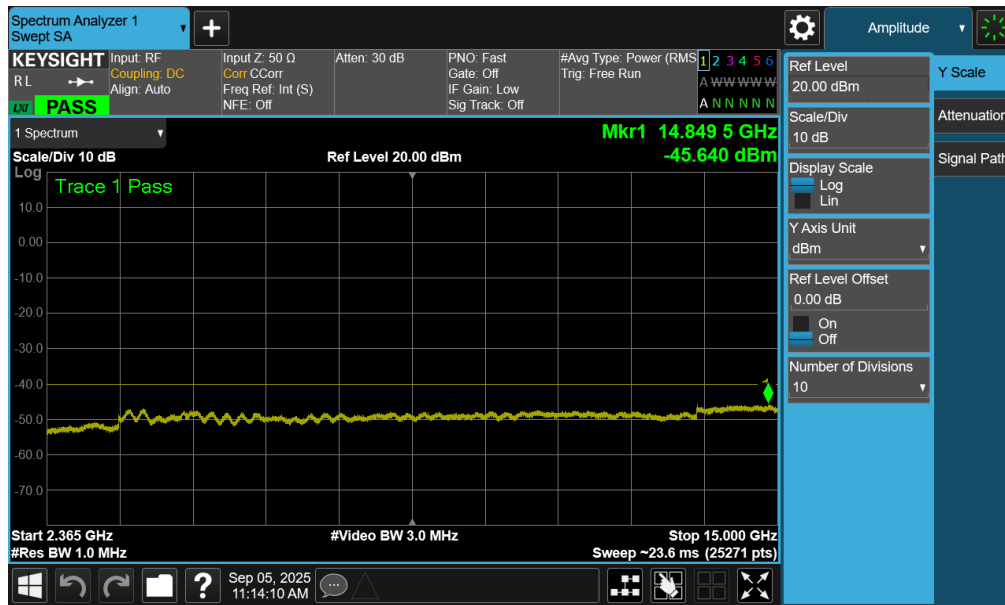
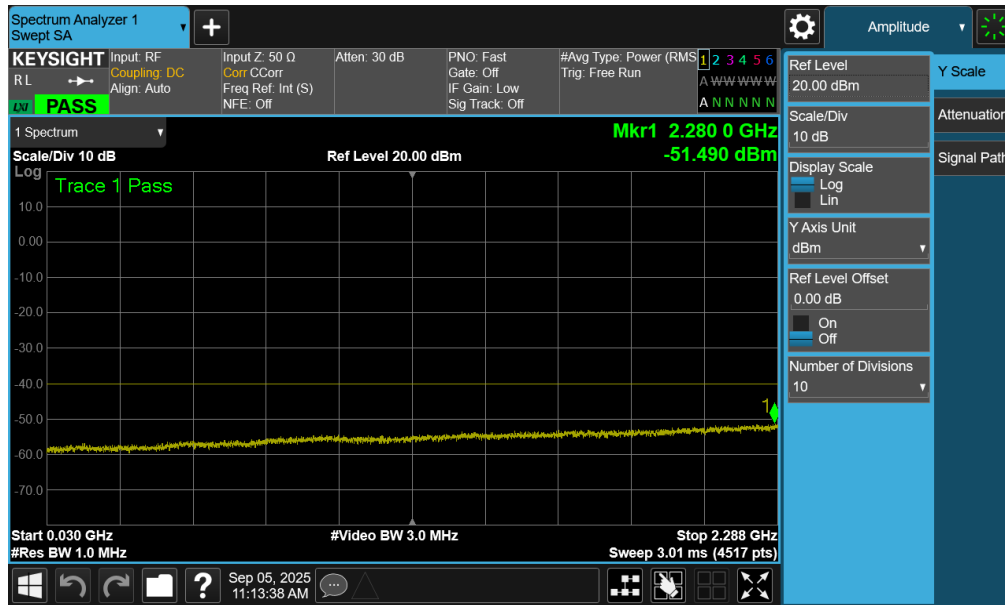
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 163 of 252

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Mid	30.0 - 2288.0	-51.49	-40	-11.49
		Mid	2570.0 - 15000.0	-45.64	-40	-5.64
		Mid	15000.0 - 27000.0	-50.21	-40	-10.21
LTE-B7	20MHz	Low	30.0 - 2500.0	-50.89	-25	-25.89
		Low	2570.0 - 15000.0	-45.93	-25	-20.93
		Low	15000.0 - 27000.0	-60.07	-25	-35.07
		Mid	30.0 - 2500.0	-51.04	-25	-26.04
		Mid	2570.0 - 15000.0	-45.98	-25	-20.98
		Mid	15000.0 - 27000.0	-51.68	-17	-35.02
		High	30.0 - 2500.0	-51.18	-25	-26.18
		High	2570.0 - 15000.0	-45.81	-25	-20.81
		High	15000.0 - 27000.0	-60	-25	-35.00
LTE-B41PC3-38	20MHz	Low	30.0 - 2475.0	-43.09	-25	-18.09
		Low	2690.0 - 15000.0	-37.53	-25	-12.53
		Low	15000.0 - 27000.0	-51.26	-25	-26.26
		Mid	30.0 - 2500.0	-43.22	-25	-18.22
		Mid	2690.0 - 15000.0	-36.51	-25	-11.51
		Mid	15000.0 - 27000.0	-51.68	-25	-26.68
		High	30.0 - 2500.0	-43.26	-25	-18.26
		High	2690.0 - 15000.0	-37.67	-25	-12.67
		High	15000.0 - 27000.0	-51.72	-25	-26.72

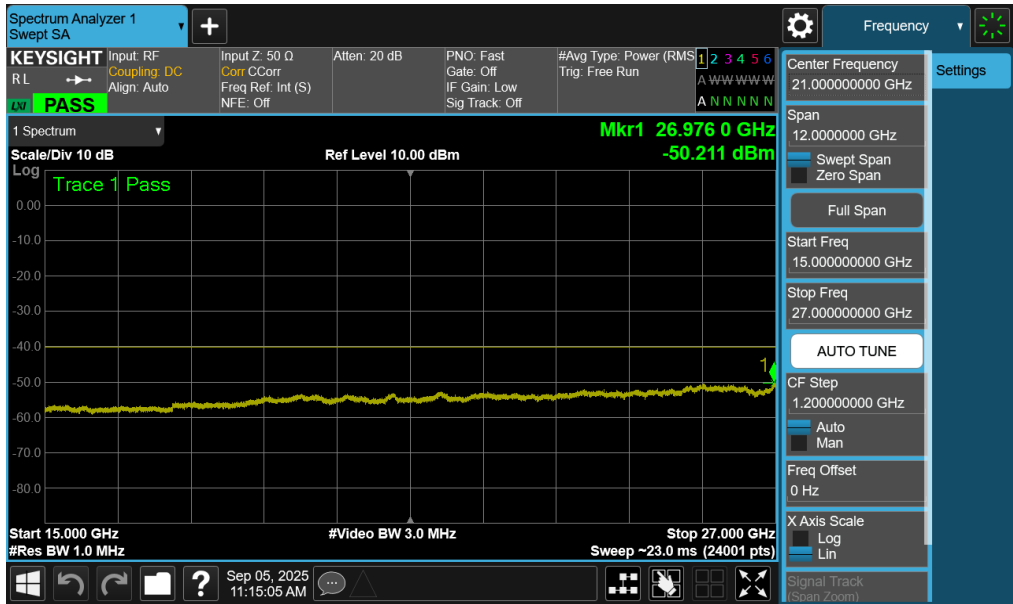
Table 7-30. Conducted Emission Test Results – LTE – Ant 2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 164 of 252

LTE Band 30 – Ant2



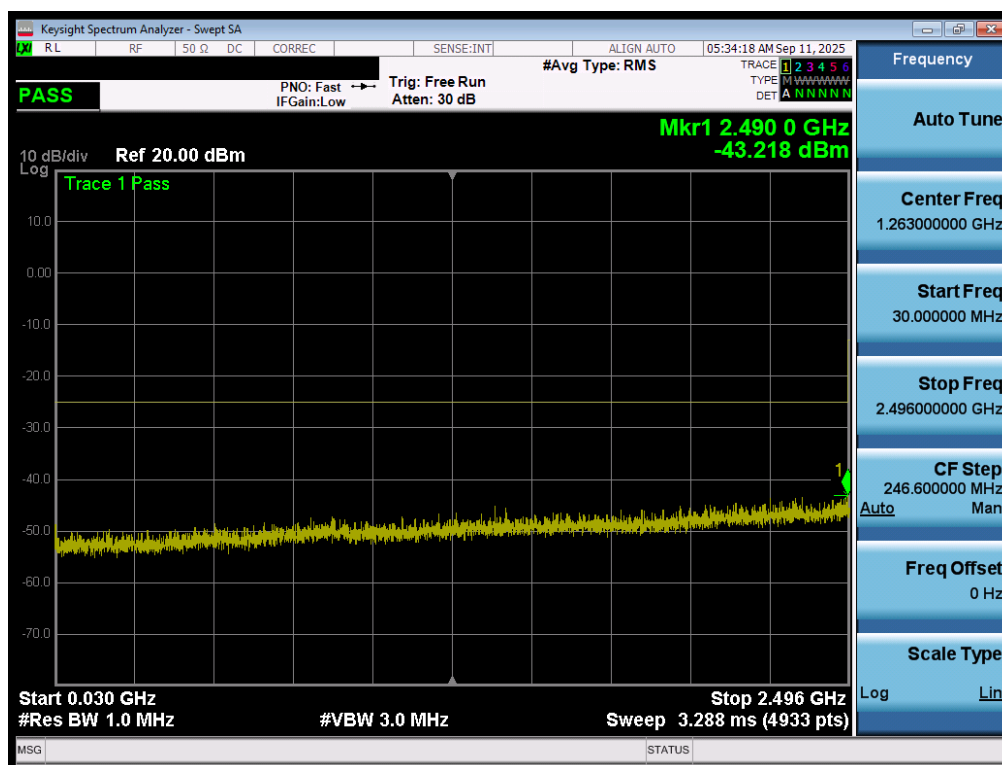
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 165 of 252



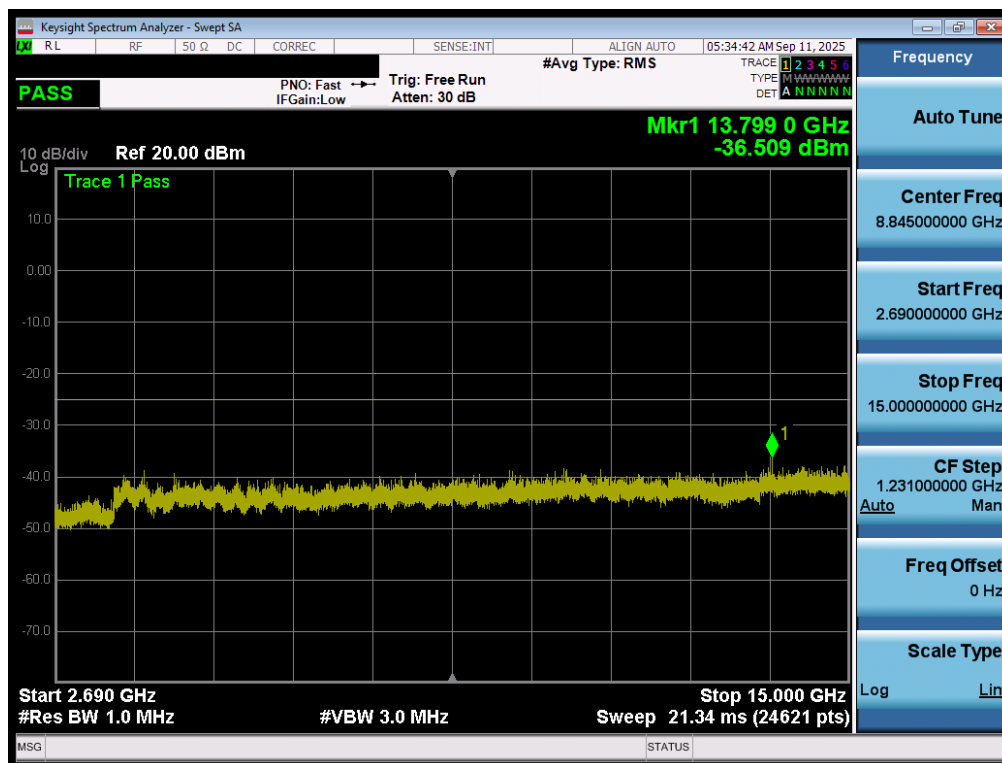
Plot 7-226. Conducted Spurious Plot (LTE Band 30 - 10MHz QPSK - RB Size 1, RB Offset 0 - Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 166 of 252

LTE Band 41(PC3)/38 – Ant2

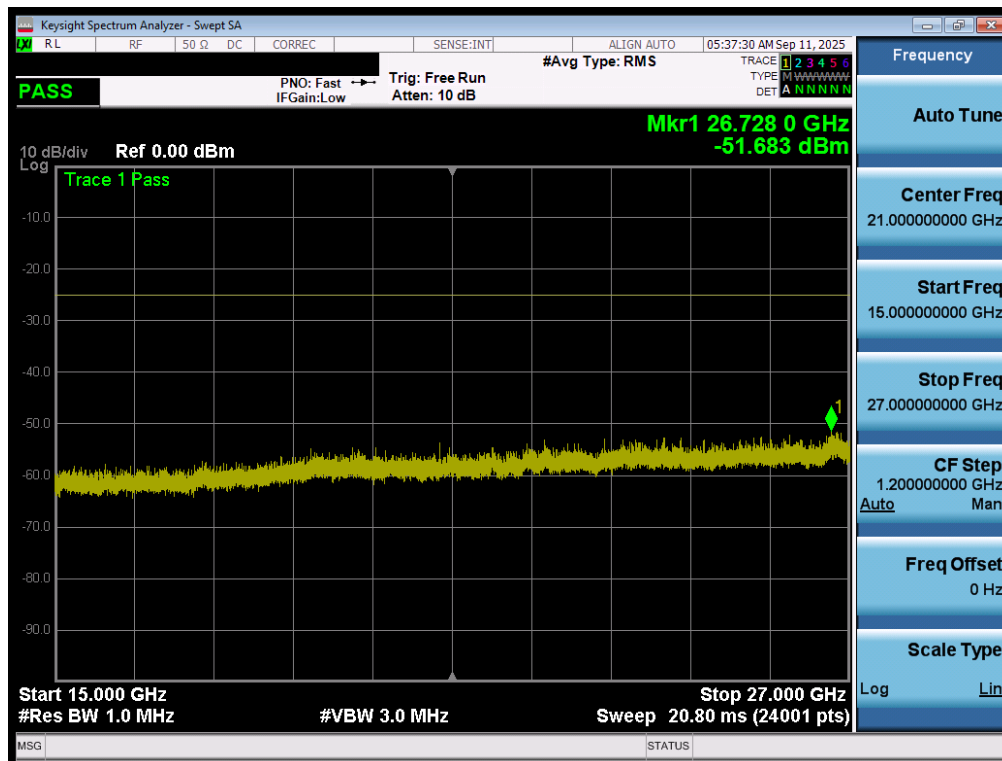


Plot 7-227. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant2)



Plot 7-228. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant2)

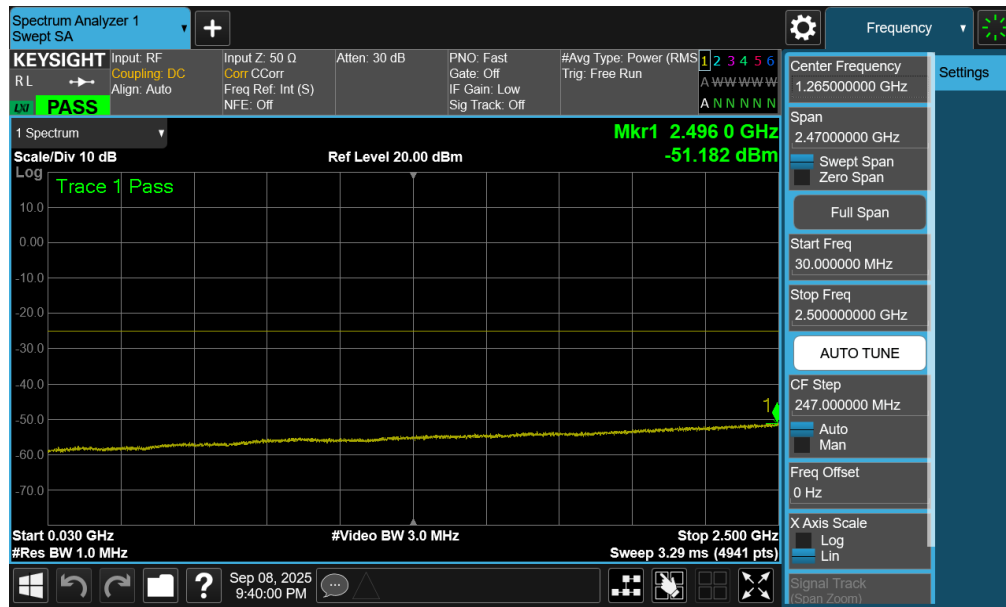
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 167 of 252



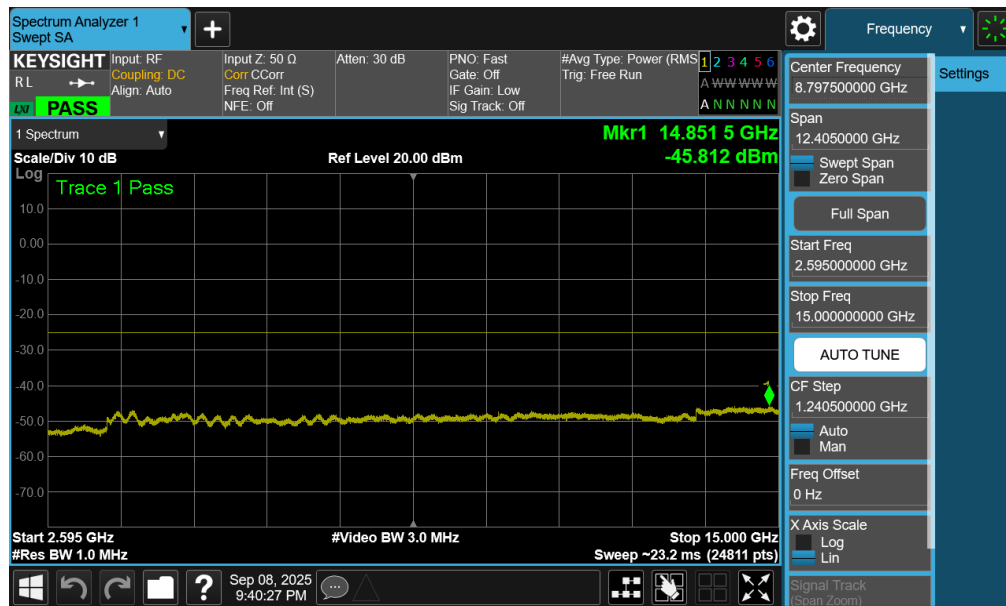
Plot 7-229. Conducted Spurious Plot (LTE Band 41(PC3)/38 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel - Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 168 of 252

LTE Band 7 – Ant2

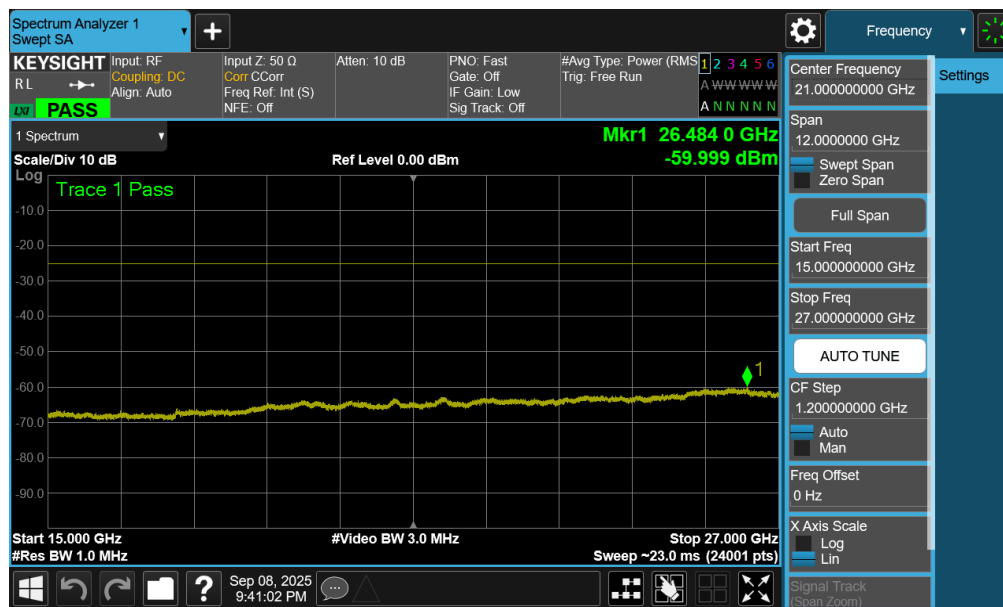


Plot 7-230. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)



Plot 7-231. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 169 of 252



Plot 7-232. Conducted Spurious Plot (LTE Band 7 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel - Ant2)

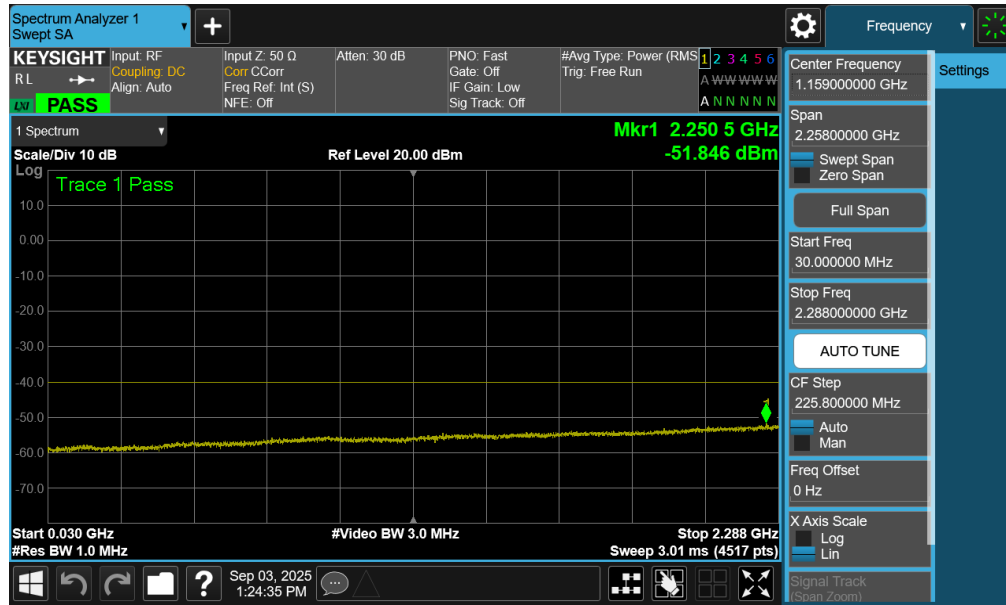
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 170 of 252

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Mid	30.0 - 2288.0	-51.85	-40	-11.85
		Mid	2570.0 - 15000.0	-46.21	-40	-6.21
		Mid	15000.0 - 27000.0	-60.05	-40	-20.04
NR-n7	50MHz	Low	30.0 - 2500.0	-51.87	-25	-26.87
		Low	2570.0 - 15000.0	-46.12	-25	-21.14
		Low	15000.0 - 27000.0	-60.38	-25	-35.38
		Mid	30.0 - 2500.0	-51.67	-25	-26.67
		Mid	2570.0 - 15000.0	-46.39	-25	-21.39
		Mid	15000.0 - 27000.0	-60.42	-25	-35.42
		High	30.0 - 2500.0	-51.69	-25	-26.69
		High	2570.0 - 15000.0	-46.55	-25	-21.55
		High	15000.0 - 27000.0	-60.41	-25	-35.41

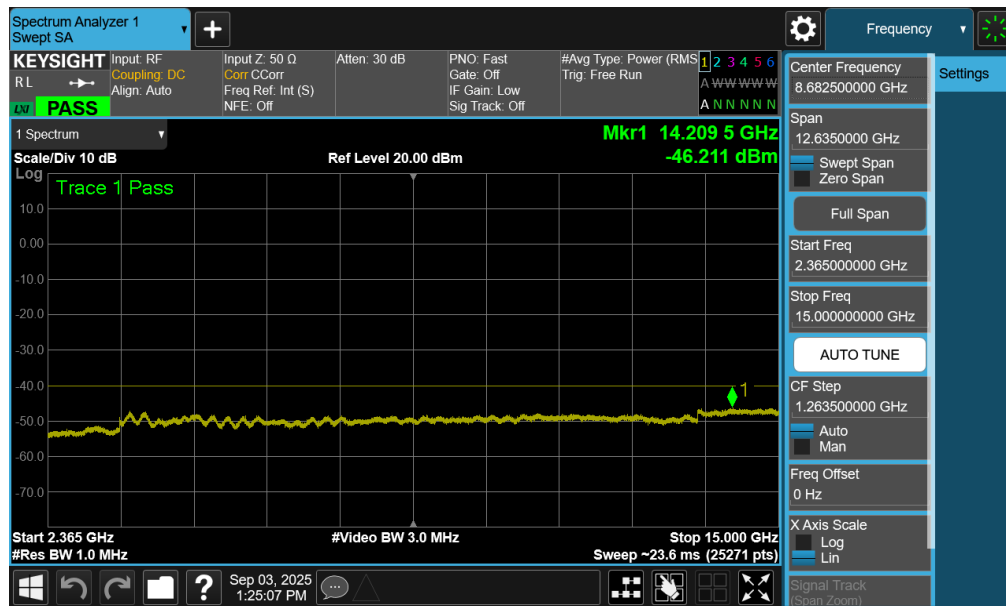
Table 7-31. Conducted Emission Test Results – NR – Ant 2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 171 of 252

NR Band n30 – Ant2

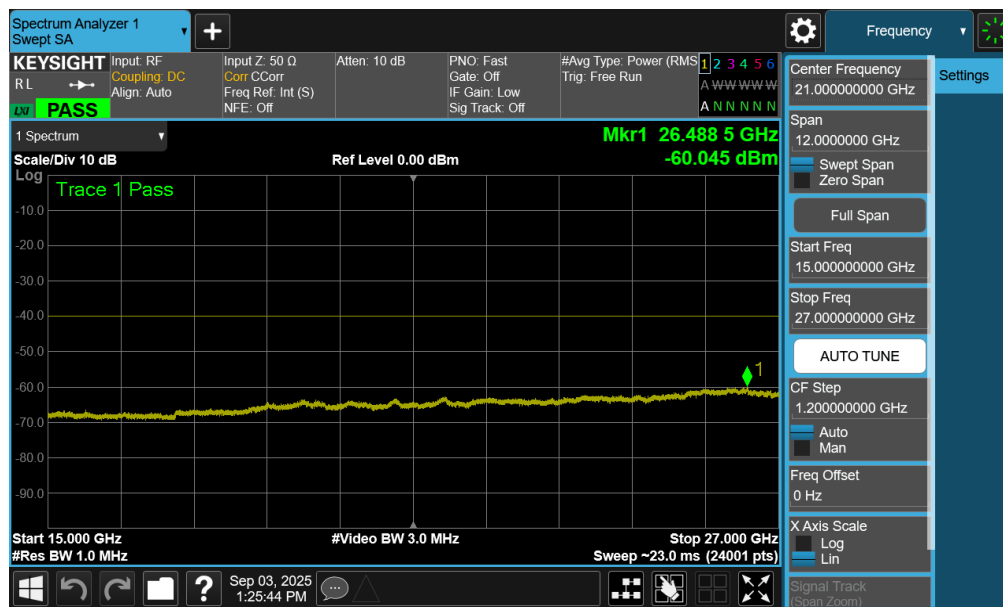


Plot 7-233. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant2)



Plot 7-234. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant2)

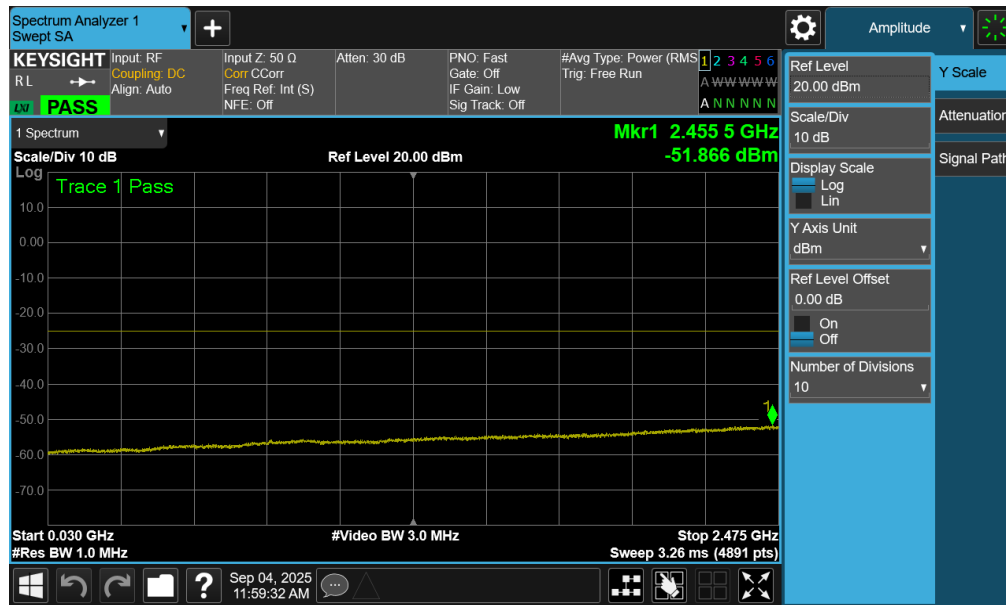
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 172 of 252



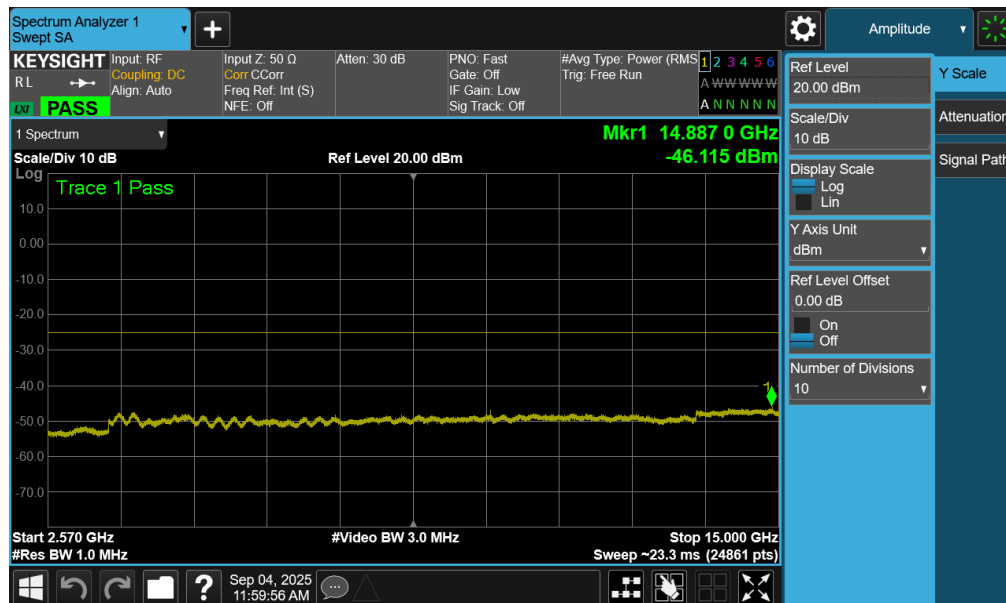
Plot 7-235. Conducted Spurious Plot (NR Band n30 - 10MHz QPSK - RB Size 1, RB Offset 0 – Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 173 of 252

NR Band n7 – Ant2

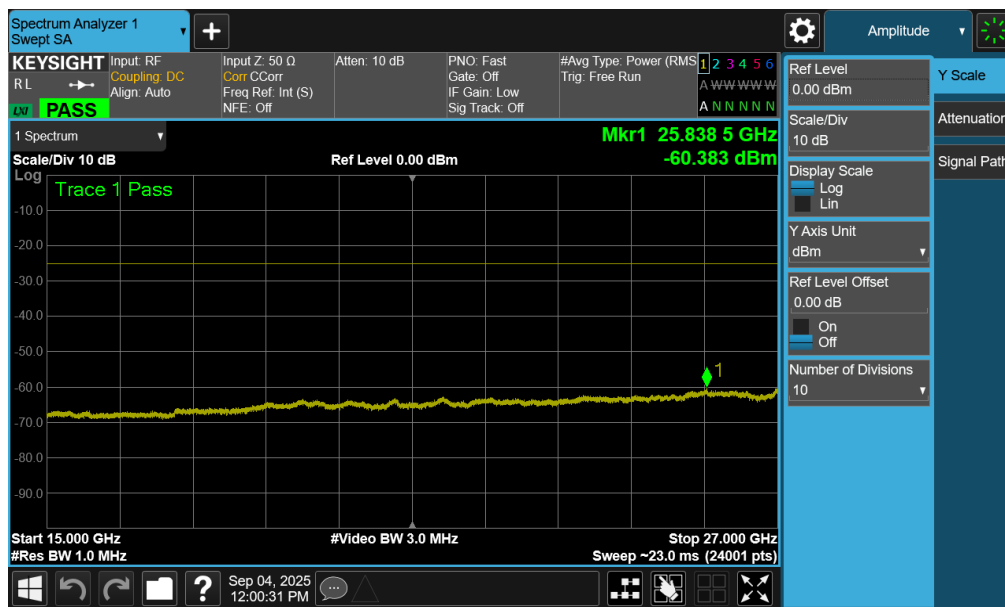


Plot 7-236. Conducted Spurious Plot (NR Band n7 - 50MHz QPSK - RB Size 1, RB Offset 0 – Low Channel Ant2)



Plot 7-237. Conducted Spurious Plot (NR Band n7 - 50MHz QPSK - RB Size 1, RB Offset 0 – Low Channel Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 174 of 252



Plot 7-238. Conducted Spurious Plot (NR Band n7 - 50MHz QPSK - RB Size 1, RB Offset 0 – Low Channel Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 175 of 252

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 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.

The minimum permissible attenuation level for Band 30 is $> 43 + 10 \log_{10} (P[\text{Watts}]$ at 2300-2305MHz & 2345-2360MHz, $> 55 + 10 \log_{10} (P[\text{Watts}]$ at 2320-2324MHz & 2341-2345MHz, $> 61 + 10 \log_{10} (P[\text{Watts}]$ at 2324-2328MHz & 2337-2341MHz, $> 67 + 10 \log_{10} (P[\text{Watts}]$ at 2288-2292MHz & 2328-2337MHz, and $> 70 + 10 \log_{10} (P[\text{Watts}]$ at frequencies $< 2288\text{MHz}$ & $> 2365\text{MHz}$.

The minimum permissible attenuation level for Band 7 and 41 is as noted in the Test Notes on the following page.

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 $\geq 3 \times$ RBW
5. Detector = RMS
6. Number of sweep points $\geq 2 \times$ Span/RBW
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
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.

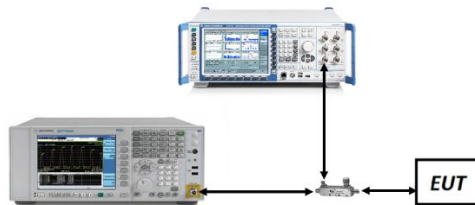


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 176 of 252

Test Notes

1. Per 27.53(a)(5) in the 1 MHz bands immediately outside and adjacent to the channel blocks at 2305, 2310, 2315, 2320, 2345, 2350, 2355, and 2360 MHz, a resolution bandwidth of at least 1 percent of the emission bandwidth of the fundamental emission of the transmitter 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 required measurement bandwidth (i.e., 1 MHz). The 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. Per 27.53(m) for operations in the BRS/EBS bands, the attenuation factor shall be not less than $40 + 10 \log(P)$ dB on all frequencies between the channel edge and 5 megahertz from the channel edge, $43 + 10 \log(P)$ dB on all frequencies between 5 megahertz and X megahertz from the channel edge, and $55 + 10 \log(P)$ 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. In addition, the attenuation factor shall not be less than $43 + 10 \log(P)$ dB on all frequencies between 2490.5 MHz and 2496 MHz and $55 + 10 \log(P)$ dB at or below 2490.5 MHz.
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. Only the highest target power SRS-1 antenna for n41 default (Antenna F) and n41 switching (Antenna B) are reported for the overall n41 SRS worst case.

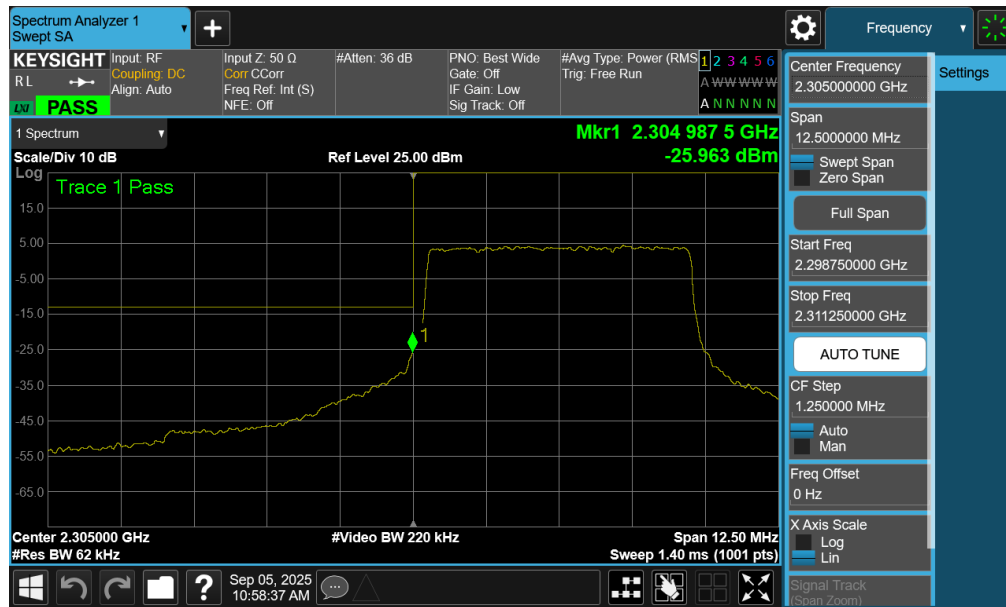
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 177 of 252

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Low	Band Edge	-29.95	-13	-16.95
		Low IESD	Band Edge	-22.92	-13	-9.92
		Low	Extended	-43.81	-37	-6.81
		High	Band Edge	-30.39	-13	-17.39
		High IESD	Band Edge	-23.71	-13	-10.71
		High	Extended	-46.39	-37	-9.39
	5MHz	Low	Band Edge	-25.96	-13	-12.96
		Low IESD	Band Edge	-21.86	-13	-8.86
		High	Extended	-14.07	-13	-1.06
		High	Band Edge	-27.12	-13	-14.12
		High IESD	Band Edge	-21.42	-13	-8.42
		High	Extended	-47.08	-37	-10.08
LTE-B7	20MHz	Low	Band Edge	-34.70	-25	-9.70
		High	Band Edge	-45.28	-25	-20.28
	15MHz	Low	Band Edge	-34.16	-25	-9.16
		High	Band Edge	-39.74	-25	-14.74
	10MHz	Low	Band Edge	-37.26	-25	-12.26
		High	Band Edge	-37.42	-25	-12.42
	5MHz	Low	Band Edge	-38.01	-25	-13.01
		High	Band Edge	-39.17	-25	-14.17
LTE-B41PC3	20MHz	Low	Band Edge	-26.72	-25	-1.72
		Low IESD	Band Edge	-32.76	-25	-7.76
		High	Band Edge	-39.91	-25	-14.91
	15MHz	Low	Band Edge	-29.81	-25	-4.81
		Low IESD	Band Edge	-32.20	-25	-7.20
		High	Band Edge	-38.50	-25	-13.50
	10MHz	Low	Band Edge	-29.57	-25	-4.57
		Low IESD	Band Edge	-36.44	-25	-11.44
		High	Band Edge	-36.43	-25	-11.43
	5MHz	Low	Band Edge	-19.48	-13	-6.48
		Low IESD	Band Edge	-21.93	-10	-11.93
		High	Band Edge	-37.08	-25	-12.08
LTE-B38	20MHz	Low	Band Edge	-40.17	-25	-15.17
		High	Band Edge	-36.61	-25	-11.61
	15MHz	Low	Band Edge	-37.26	-25	-12.26
		High	Band Edge	-35.44	-25	-10.44
	10MHz	Low	Band Edge	-33.26	-25	-8.26
		High	Band Edge	-34.06	-25	-9.06
	5MHz	Low	Band Edge	-35.60	-25	-10.60
		High	Band Edge	-35.17	-25	-10.17

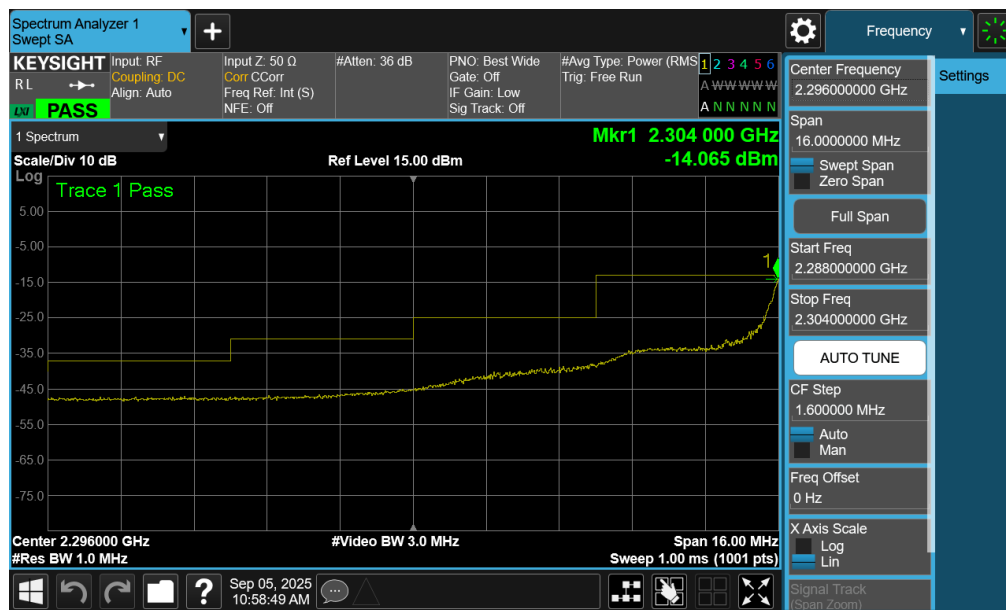
Table 7-32. Conducted Band Edge Test Results – LTE – Ant 1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 178 of 252

LTE Band 30 – Ant1

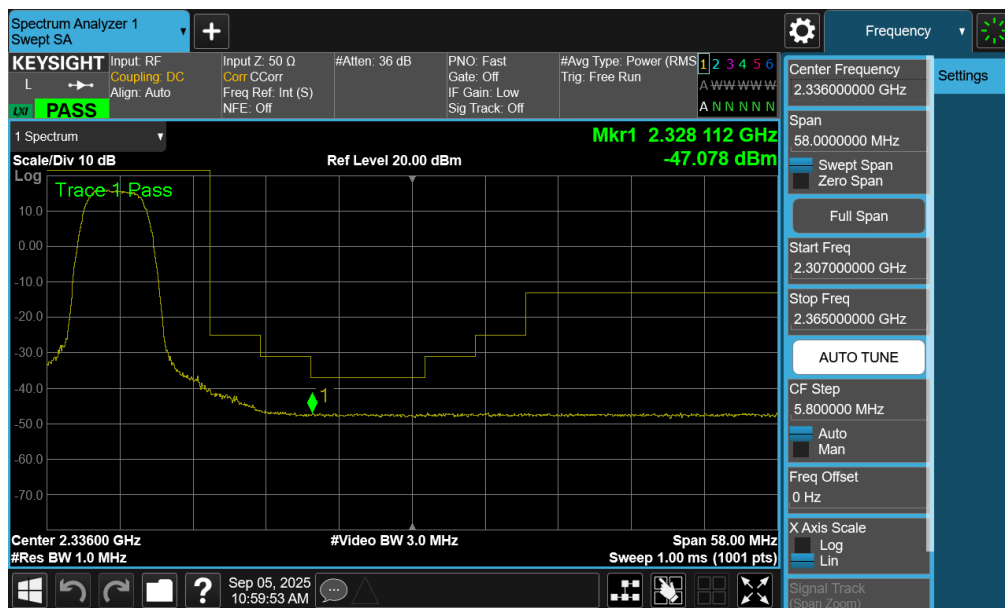
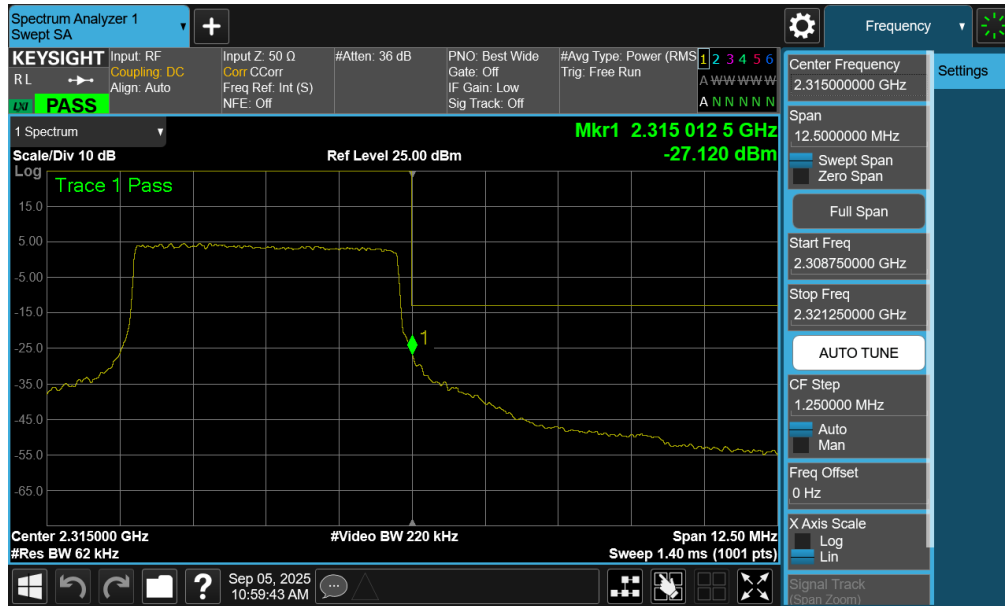


Plot 7-239. Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB - Ant1)



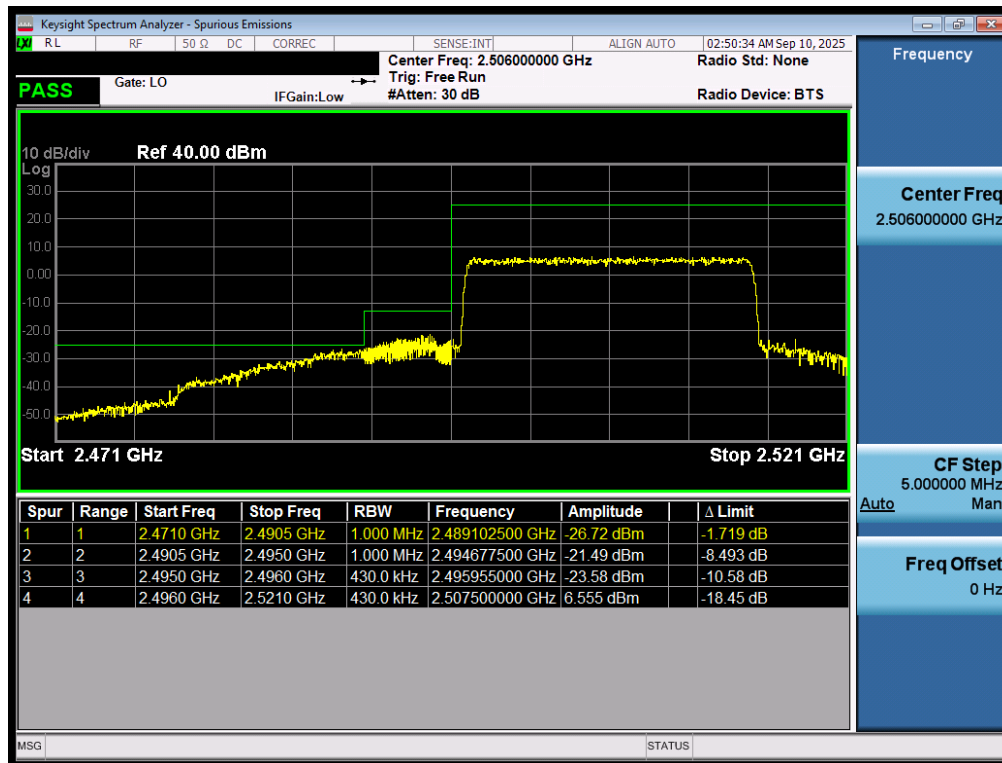
Plot 7-240. Extended Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 179 of 252

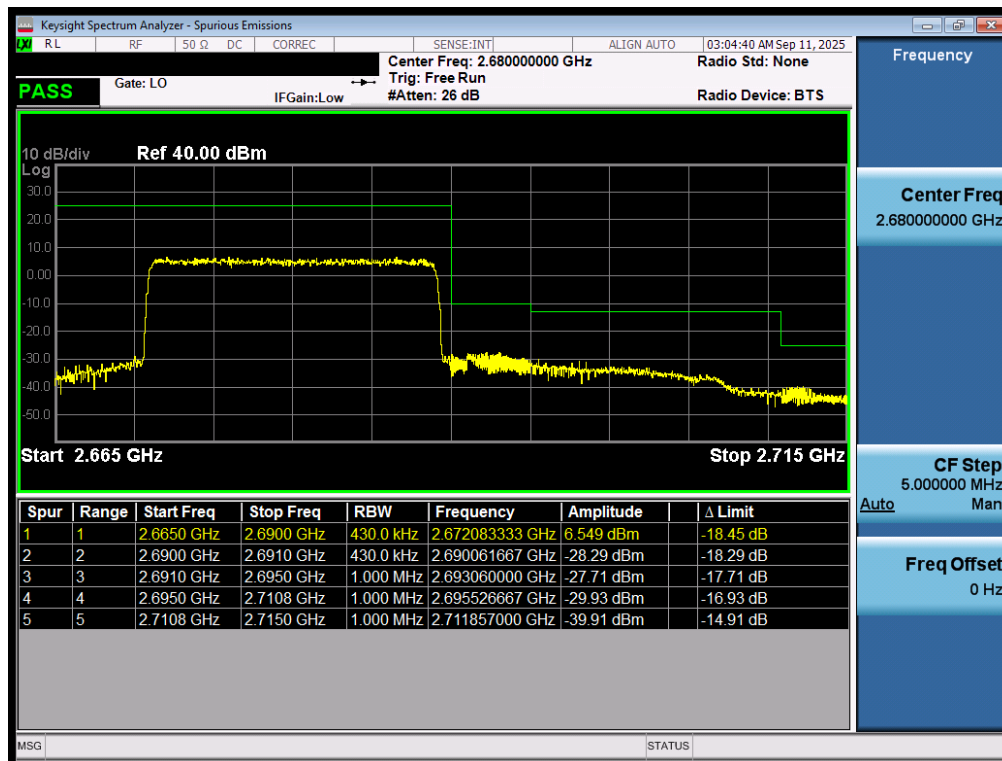


FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 180 of 252

LTE Band 41(PC3) – Ant1



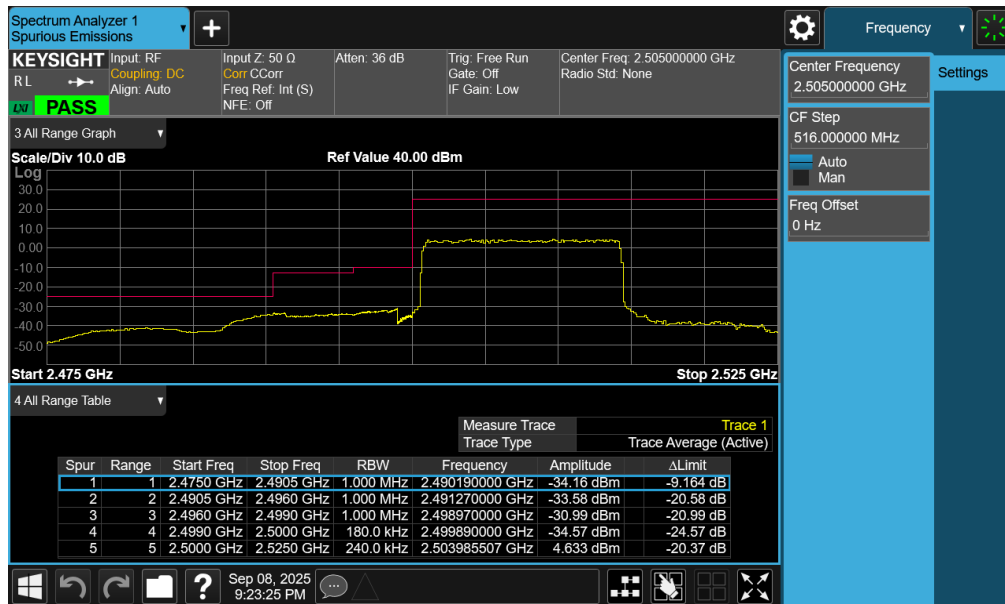
Plot 7-243. Lower ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB - Ant1)



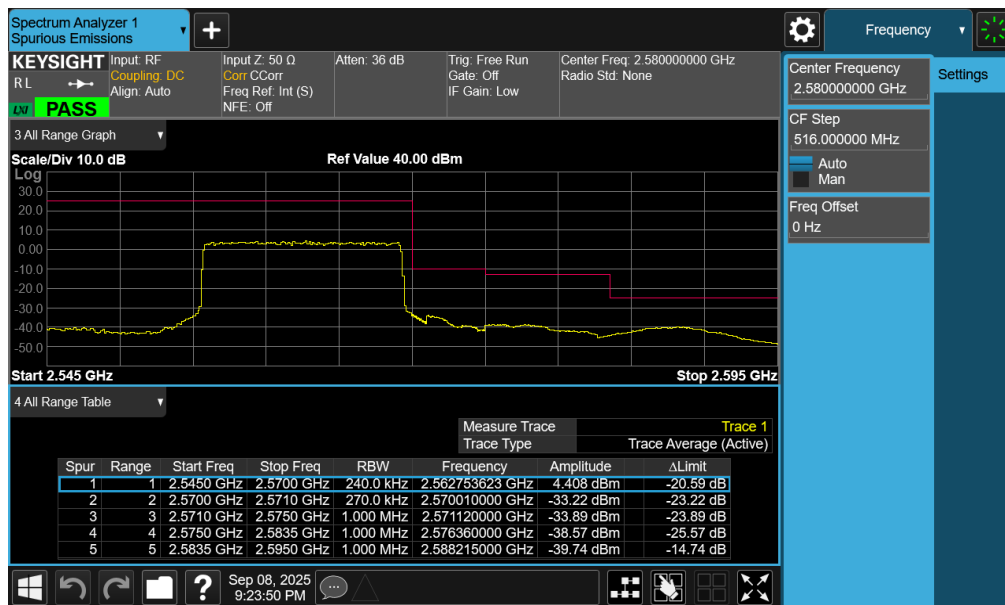
Plot 7-244. Upper ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 181 of 252

LTE Band 7 – Ant1



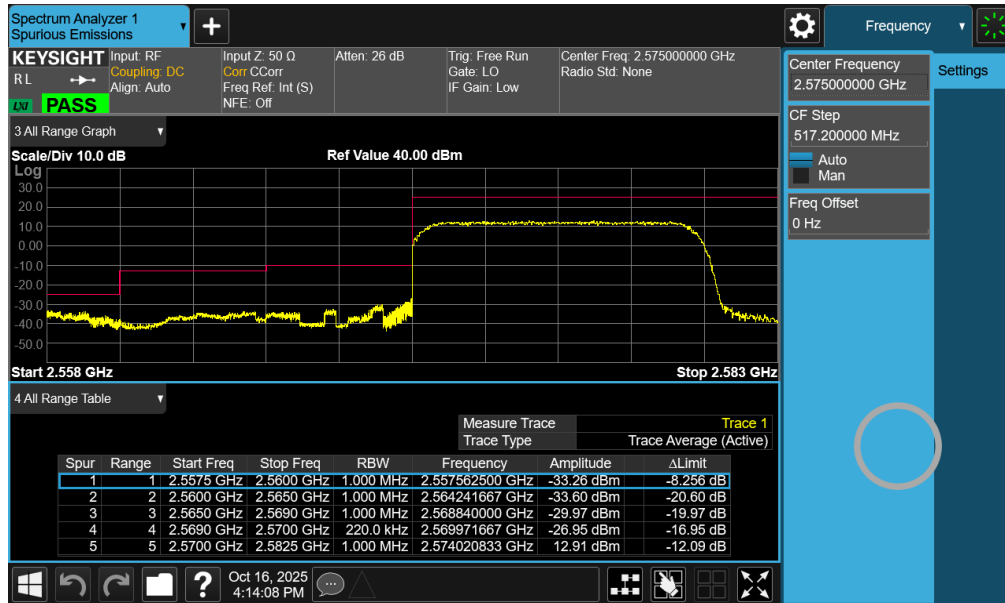
Plot 7-245. Lower ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB - Ant1)



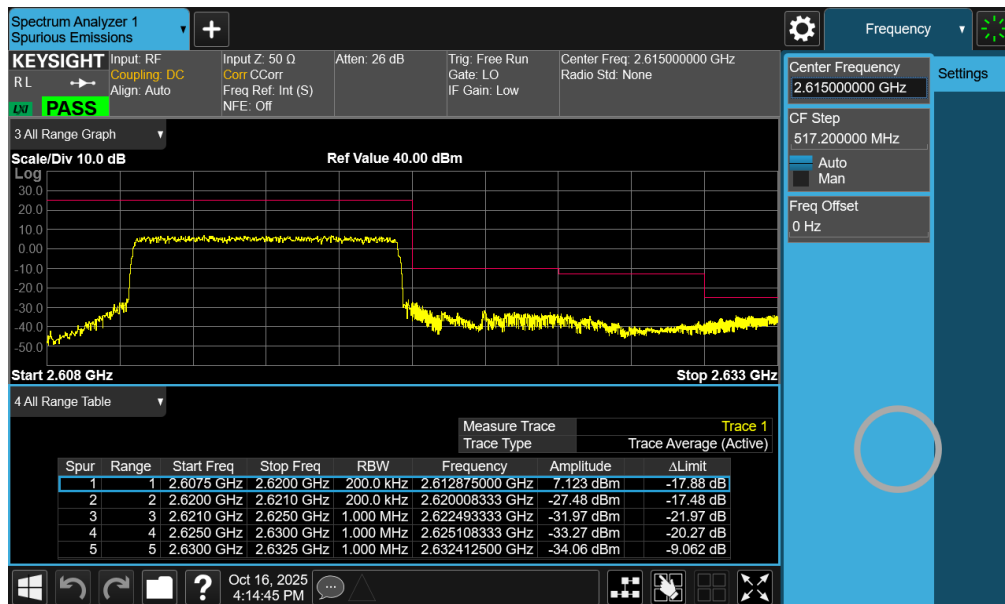
Plot 7-246. Upper ACP Plot (LTE Band 7 - 15MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 182 of 252

LTE Band 38 – Ant1



Plot 7-247. Lower ACP Plot (LTE Band 38 - 10MHz QPSK – Full RB - Ant1)



Plot 7-248. Upper ACP Plot (LTE Band 38 - 10MHz QPSK – Full RB - Ant1)

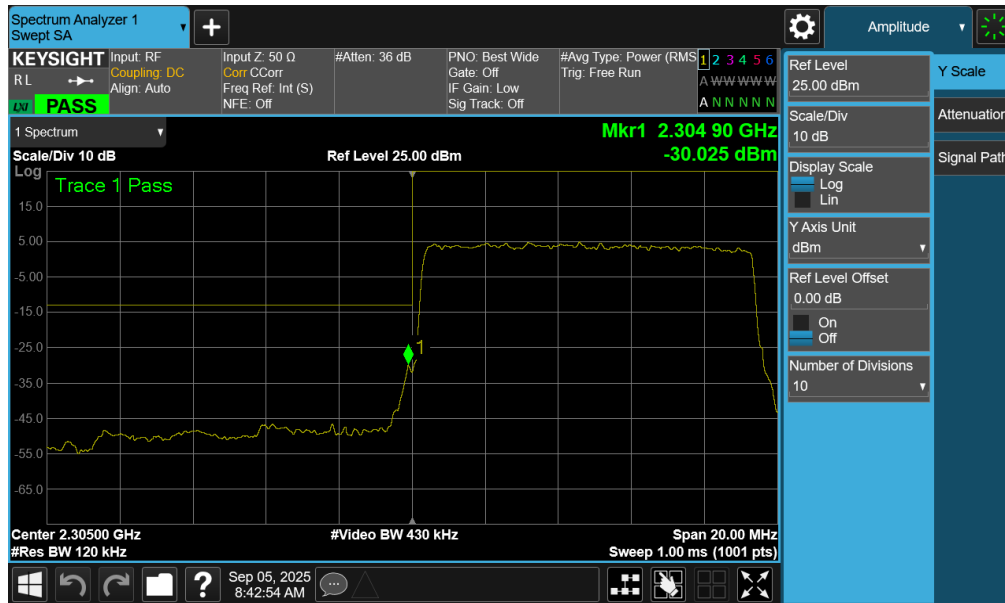
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 183 of 252

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Low	Band Edge	-30.03	-13	-17.02
		Low IESD	Band Edge	-25.84	-13	-12.84
		Low	Extended	-41.53	-37	-4.53
	10MHz	High	Band Edge	-28.73	-13	-15.73
		High IESD	Band Edge	-27.56	-13	-14.56
		High	Extended	-35.35	-25	-10.35
	5MHz	Low	Band Edge	-26.84	-13	-13.84
		Low IESD	Band Edge	-23.72	-13	-10.72
		Low	Extended	-14.67	-13	-1.67
	5MHz	High	Band Edge	-25.90	-13	-12.90
		High IESD	Band Edge	-22.42	-13	-9.42
		High	Extended	-38.19	-25	-13.19
NR-n7	50MHz	Low	Band Edge	-37.72	-25	-12.72
		High	Band Edge	-44.74	-25	-19.74
	40MHz	Low	Band Edge	-37.48	-25	-12.48
		High	Band Edge	-44.78	-25	-19.78
	35MHz	Low	Band Edge	-37.15	-25	-12.15
		High	Band Edge	-48.51	-25	-23.51
	30MHz	Low	Band Edge	-38.99	-25	-13.99
		High	Band Edge	-45.92	-25	-20.92
	25MHz	Low	Band Edge	-33.91	-25	-8.91
		High	Band Edge	-42.63	-25	-17.63
	20MHz	Low	Band Edge	-34.01	-25	-9.01
		High	Band Edge	-46.93	-25	-21.93
	15MHz	Low	Band Edge	-35.16	-25	-10.16
		High	Band Edge	-44.83	-25	-19.83
	10MHz	Low	Band Edge	-38.47	-25	-13.47
		High	Band Edge	-38.22	-25	-13.22
	5MHz	Low	Band Edge	-39.23	-25	-14.23
		High	Band Edge	-38.54	-25	-13.54

Table 7-33. Conducted Band Edge Test Results – NR – Ant 1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 184 of 252

NR Band n30 – Ant1

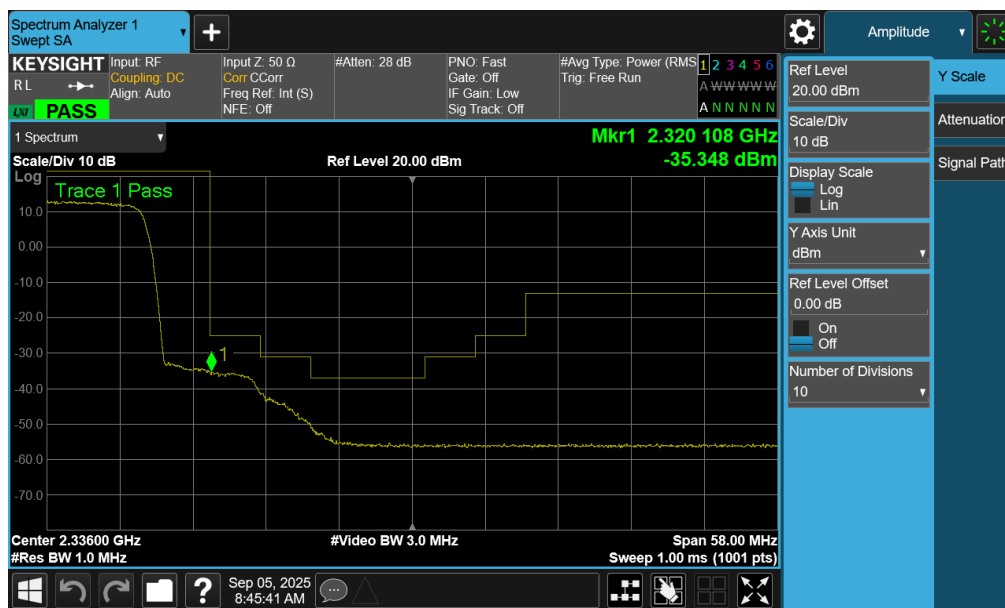
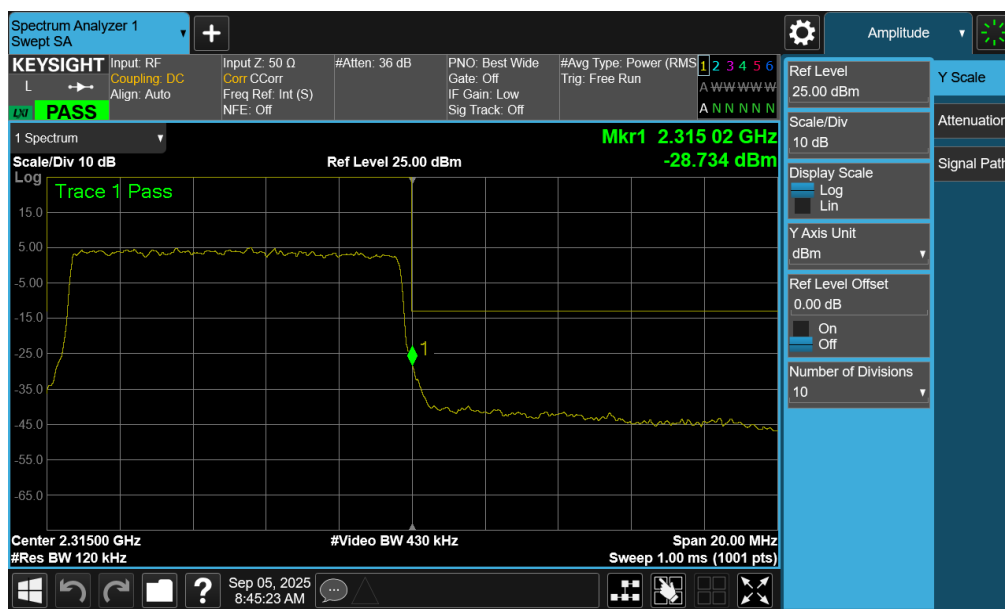


Plot 7-249. Lower Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB - Ant1)



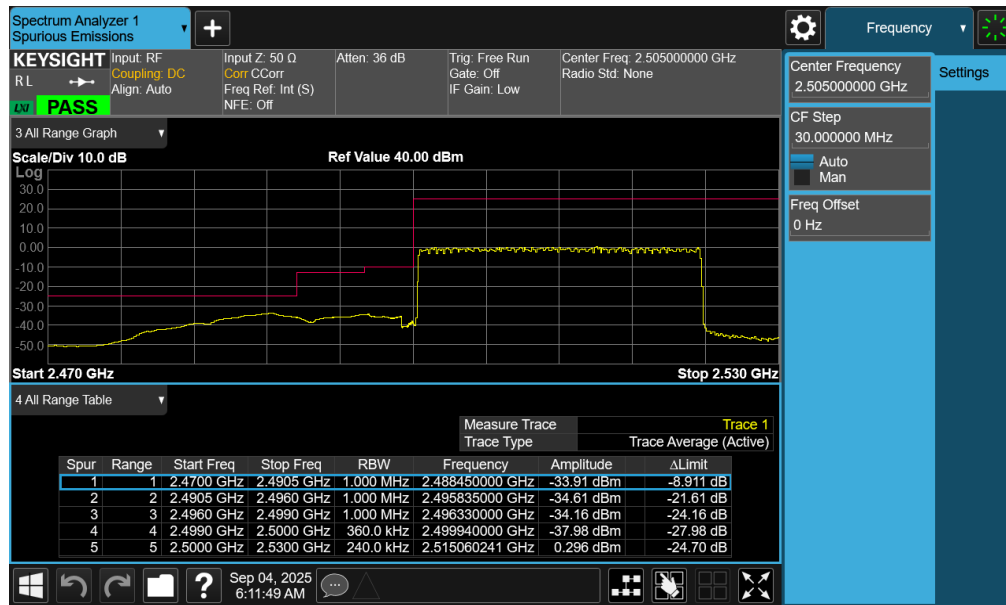
Plot 7-250. Extended Lower Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB - Ant1)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 185 of 252

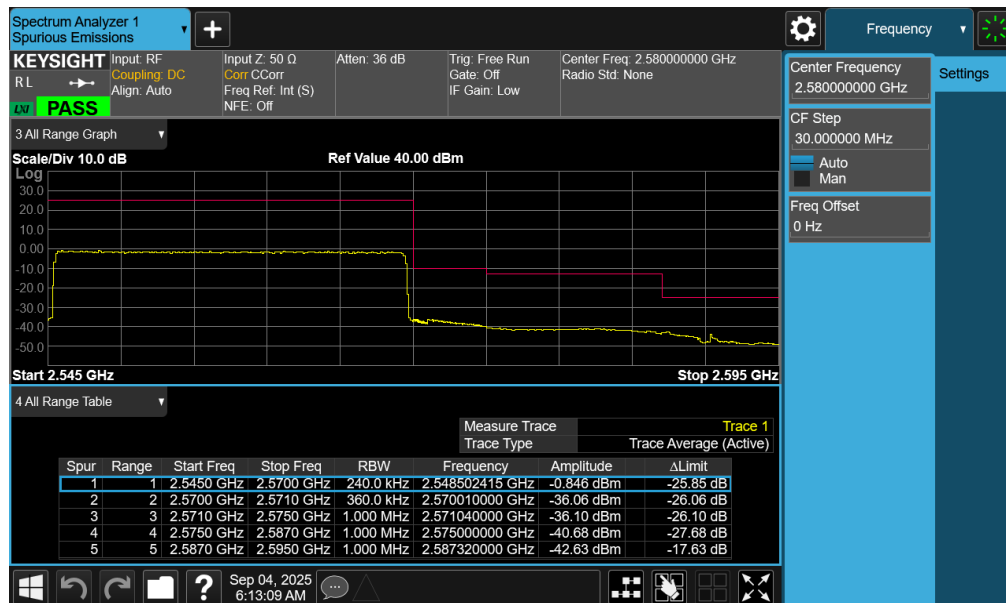


FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 186 of 252

NR Band n7 – Ant1



Plot 7-253. Lower Band Edge Plot (NR Band n7 - 25MHz CP-OFDM-QPSK – Full RB - Ant1)



Plot 7-254. Upper Band Edge Plot (NR Band n7 - 25MHz CP-OFDM-QPSK – Full RB - Ant1)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 187 of 252

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-29.26	-25	-4.26
		High	Band Edge	-27.01	-10	-17.01
	90MHz	Low	Band Edge	-28.43	-25	-3.43
		High	Band Edge	-29.44	-10	-19.44
	80MHz	Low	Band Edge	-28.68	-25	-3.68
		High	Band Edge	-30.43	-10	-20.43
	70MHz	Low	Band Edge	-26.43	-25	-1.43
		High	Band Edge	-32.01	-10	-22.01
	60MHz	Low	Band Edge	-36.21	-25	-11.21
		High	Band Edge	-24.83	-10	-14.83
	50MHz	Low	Band Edge	-35.57	-25	-10.57
		High	Band Edge	-31.65	-10	-21.65
	45MHz	Low	Band Edge	-38.12	-25	-13.12
		High	Band Edge	-42.57	-25	-17.57
	40MHz	Low	Band Edge	-35.34	-25	-10.34
		High	Band Edge	-44.49	-25	-19.49
	35MHz	Low	Band Edge	-37.77	-25	-12.77
		High	Band Edge	-44.51	-25	-19.51
	30MHz	Low	Band Edge	-36.52	-25	-11.52
		High	Band Edge	-45.95	-25	-20.95
	25MHz	Low	Band Edge	-38.09	-25	-13.09
		High	Band Edge	-41.86	-25	-16.86
	20MHz	Low	Band Edge	-35.04	-25	-10.04
		High	Band Edge	-42.03	-25	-17.03
	15MHz	Low	Band Edge	-34.76	-25	-9.76
		High	Band Edge	-41.71	-25	-16.71
	10MHz	Low	Band Edge	-35.47	-25	-10.47
		High	Band Edge	-30.32	-25	-20.32

Table 7-34. Conducted Band Edge Test Results – n41 default – Ant 1

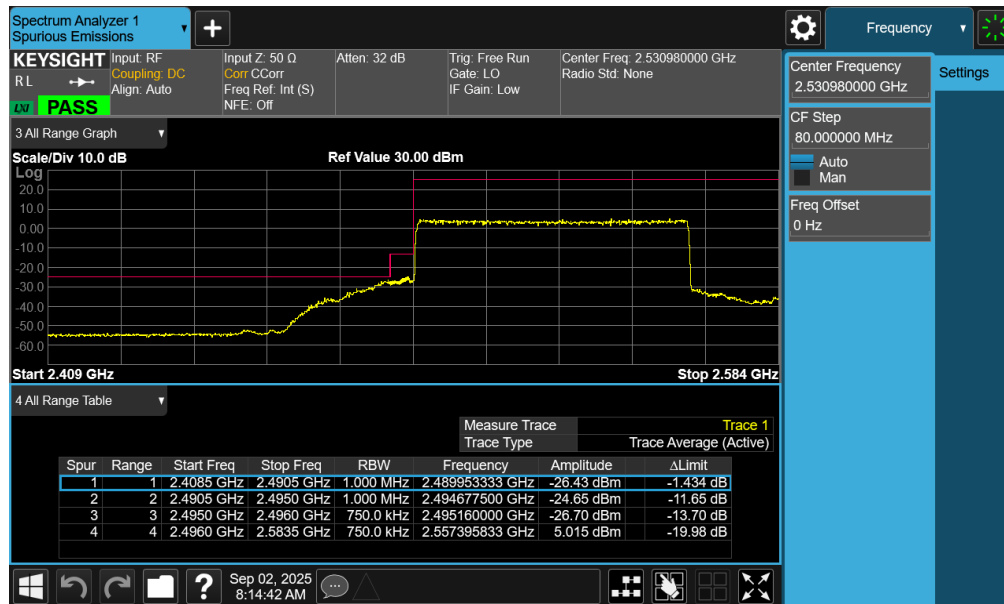
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 188 of 252

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-27.80	-25	-2.80
		High	Band Edge	-27.89	-10	-17.89
	90MHz	Low	Band Edge	-27.82	-25	-2.82
		High	Band Edge	-29.71	-10	-19.71
	80MHz	Low	Band Edge	-27.63	-25	-2.63
		High	Band Edge	-34.12	-13	-21.12
	70MHz	Low	Band Edge	-26.24	-25	-1.24
		High	Band Edge	-31.57	-10	-21.57
	60MHz	Low	Band Edge	-37.65	-25	-12.65
		High	Band Edge	-24.94	-10	-14.94
	50MHz	Low	Band Edge	-33.97	-25	-8.97
		High	Band Edge	-31.77	-10	-21.77
	45MHz	Low	Band Edge	-36.35	-25	-11.35
		High	Band Edge	-44.50	-25	-19.50
	40MHz	Low	Band Edge	-34.79	-25	-9.79
		High	Band Edge	-46.73	-25	-21.73
	35MHz	Low	Band Edge	-37.01	-25	-12.01
		High	Band Edge	-43.84	-25	-18.84
	30MHz	Low	Band Edge	-37.24	-25	-12.24
		High	Band Edge	-46.22	-25	-21.22
	25MHz	Low	Band Edge	-35.32	-25	-10.32
		High	Band Edge	-40.67	-25	-15.67
	20MHz	Low	Band Edge	-34.61	-25	-9.61
		High	Band Edge	-42.56	-25	-17.56
	15MHz	Low	Band Edge	-32.41	-25	-7.41
		High	Band Edge	-43.61	-25	-18.61
	10MHz	Low	Band Edge	-34.71	-25	-9.71
		High	Band Edge	-32.06	-10	-22.06

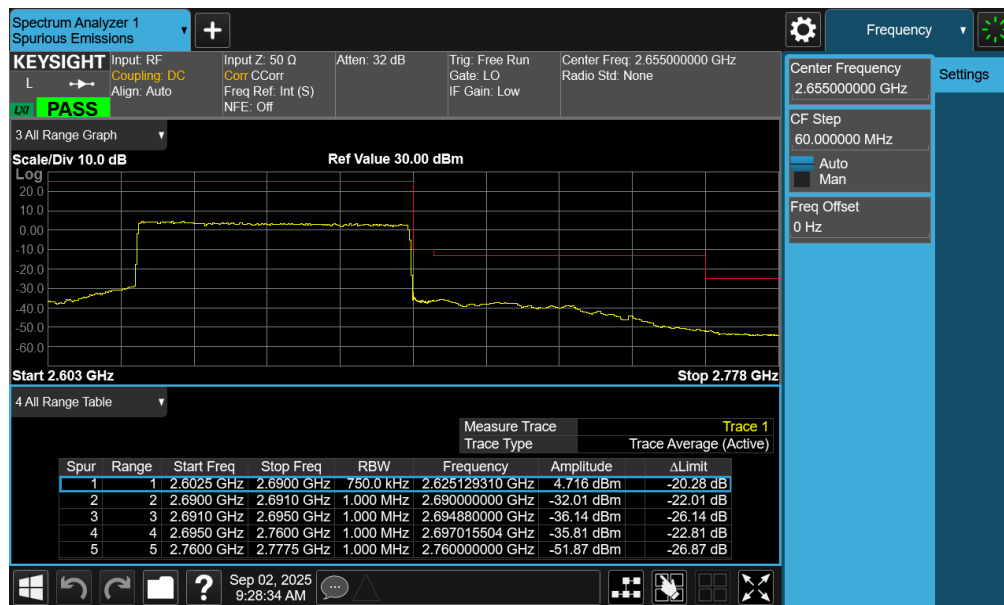
Table 7-35. Conducted Band Edge Test Results – n41 switch – Ant 1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 189 of 252

NR Band n41 – Main – Ant1



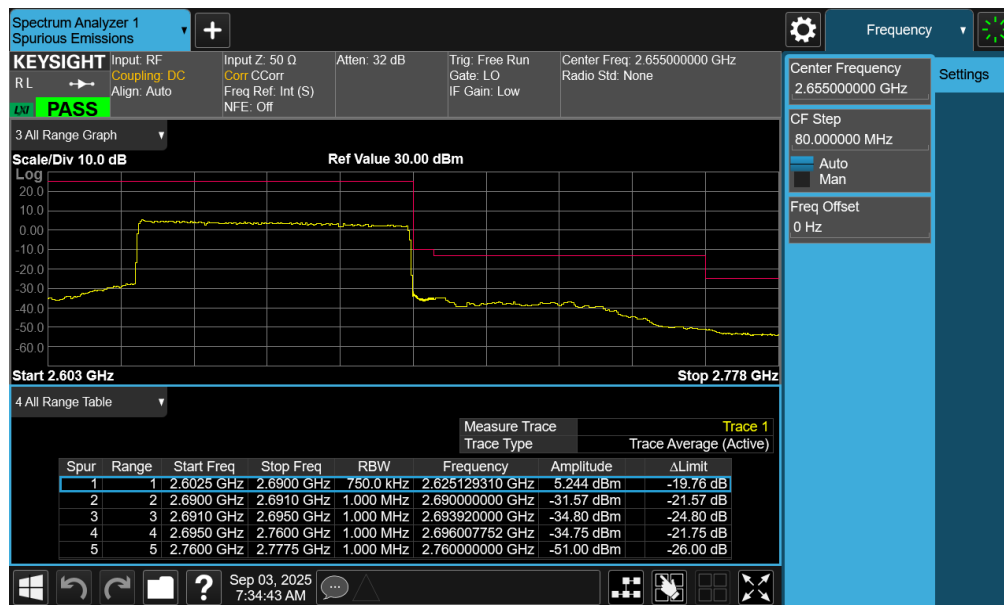
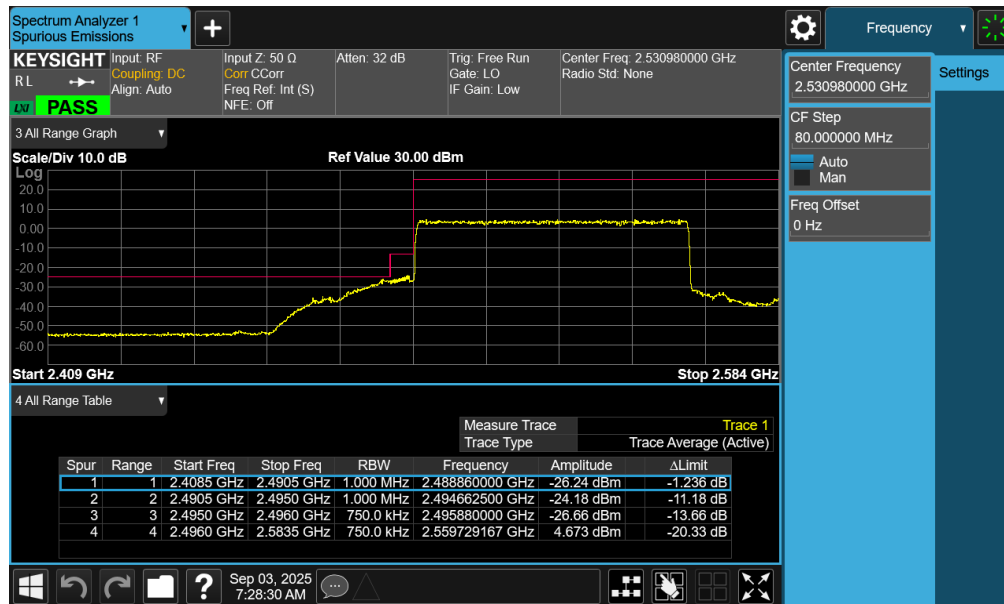
Plot 7-255. Lower ACP Plot (NR Band n41PC2 - 70MHz CP-OFDM-QPSK – Full RB - Ant1)



Plot 7-256. Upper ACP Plot (NR Band n41PC2 - 70MHz CP-OFDM-QPSK – Full RB - Ant1)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 190 of 252

NR Band n41 – Switch – Ant1



Plot 7-258. Upper ACP Plot (NR Band n41PC2 - 70MHz CP-OFDM-QPSK – Full RB - Ant1)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 191 of 252

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-29.10	-25	-4.10
		High	Band Edge	-27.50	-10	-17.50

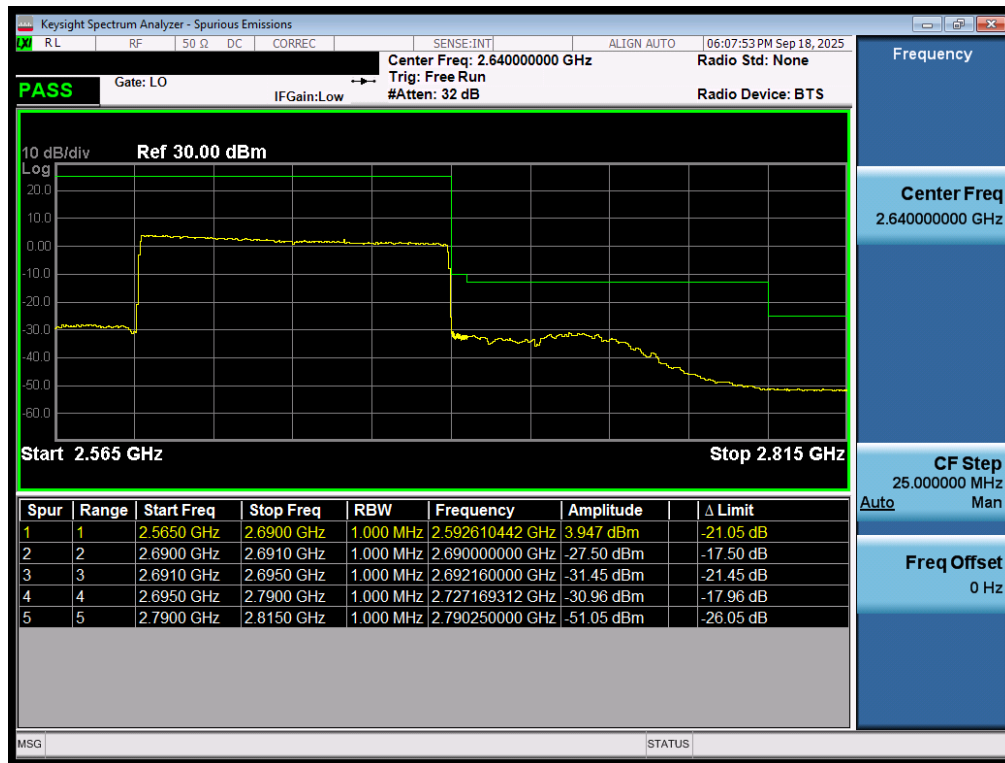
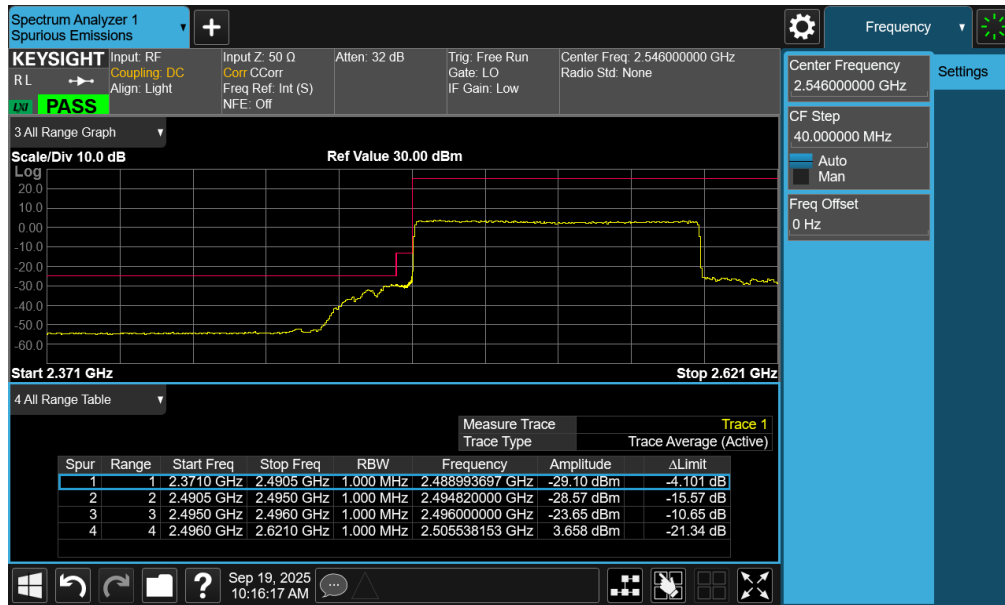
Table 7-36. Conducted Band Edge Test Results – n41 UL-MIMO – Ant 1

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-33.81	-25	-8.81
		High	Extended	-27.55	-10	-17.55

Table 7-37. Conducted Band Edge Test Results – n41 UL-MIMO – Ant 2

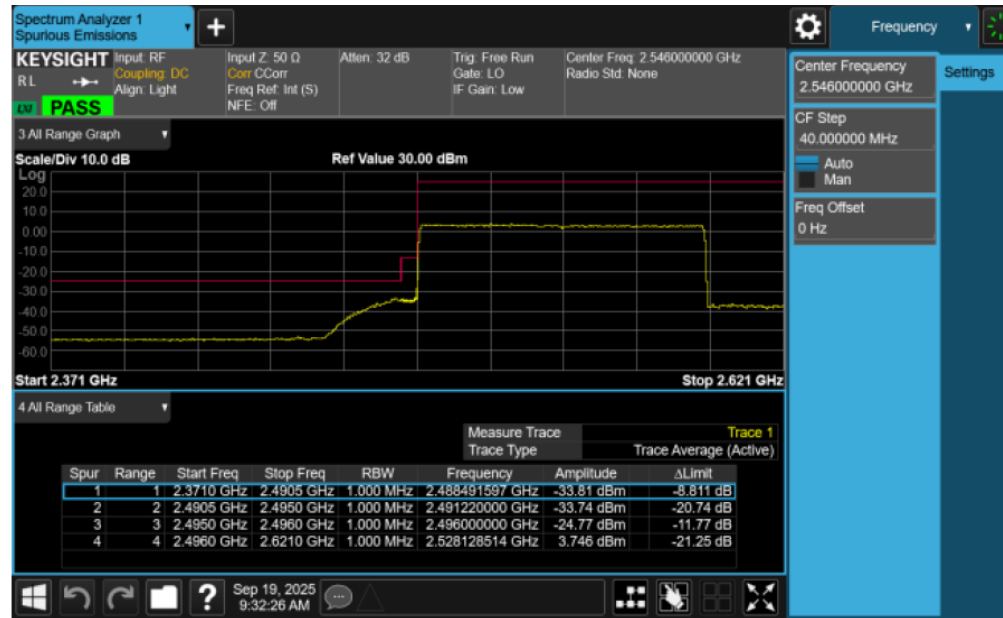
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 192 of 252

NR Band n41 – UL-MIMO – Ant1

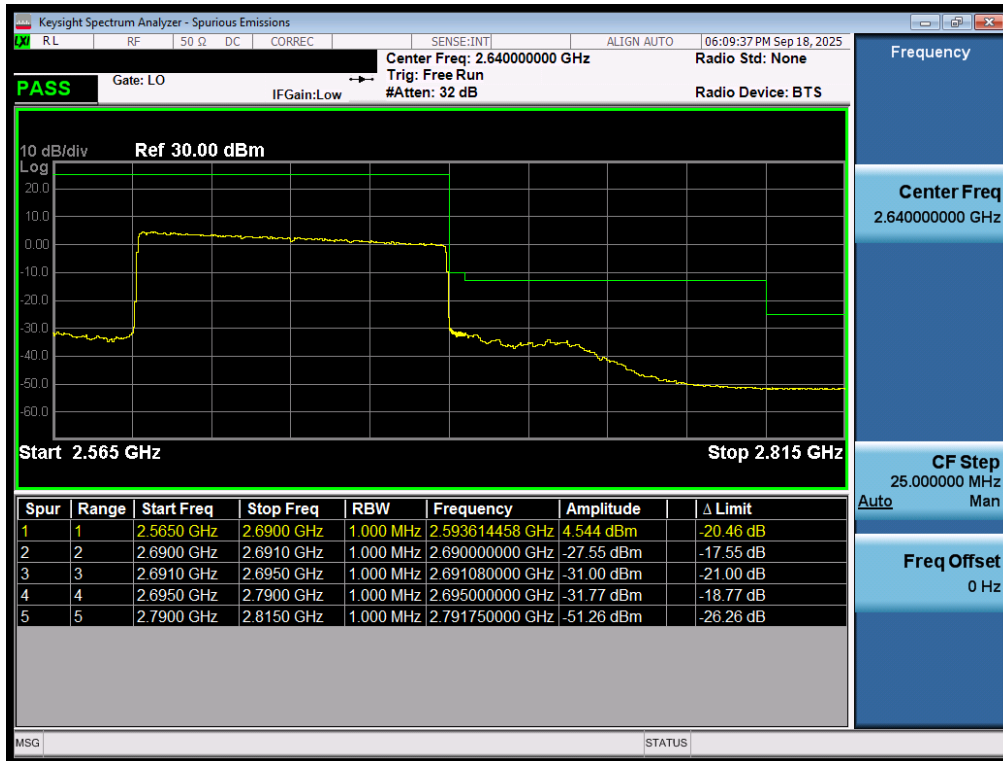


FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 193 of 252

NR Band n41 – UL-MIMO – Ant2



Plot 7-261. Lower ACP Plot (NR Band n41PC2 - 100MHz CP-OFDM-QPSK – Full RB - Ant2)



Plot 7-262. Upper ACP Plot (NR Band n41PC2 - 100MHz CP-OFDM-QPSK – Full RB - Ant2)

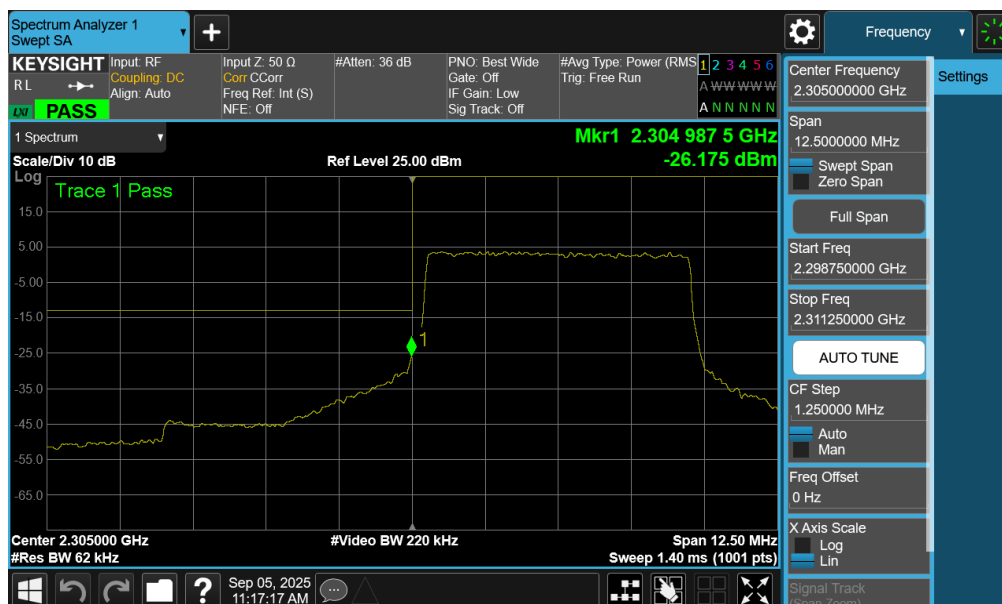
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 194 of 252

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B30	10MHz	Low	Band Edge	-28.08	-13	-15.08
		Low IESD	Band Edge	-22.08	-13	-9.08
		Low	Extended	-21.29	-13	-8.29
		High	Band Edge	-30.12	-13	-17.12
		High IESD	Band Edge	-24.02	-13	-11.02
		High	Extended	-46.07	-37	-9.07
	5MHz	Low	Band Edge	-26.18	-13	-13.17
		Low IESD	Band Edge	-20.15	-13	-7.15
		High	Extended	-14.04	-13	-1.04
		High	Band Edge	-26.42	-13	-13.42
		High IESD	Band Edge	-21.03	-13	-8.03
		High	Extended	-47.03	-37	-10.03
LTE-B7	20MHz	Low	Band Edge	-29.87	-25	-4.87
		High	Band Edge	-44.70	-25	-19.70
	15MHz	Low	Band Edge	-33.89	-25	-8.89
		High	Band Edge	-38.72	-25	-13.72
	10MHz	Low	Band Edge	-36.94	-25	-11.94
		High	Band Edge	-36.96	-25	-11.96
	5MHz	Low	Band Edge	-38.64	-25	-13.64
		High	Band Edge	-38.94	-25	-13.94
LTE-B41PC3	20MHz	Low	Band Edge	-32.20	-25	-7.20
		Low IESD	Band Edge	-34.71	-25	-9.71
		High	Band Edge	-40.86	-25	-15.86
	15MHz	Low	Band Edge	-32.97	-25	-7.97
		Low IESD	Band Edge	-32.30	-25	-7.30
		High	Band Edge	-38.56	-25	-13.56
	10MHz	Low	Band Edge	-36.53	-25	-11.53
		Low IESD	Band Edge	-37.16	-25	-12.16
		High	Band Edge	-39.04	-25	-14.04
	5MHz	Low	Band Edge	-37.09	-25	-12.09
		Low IESD	Band Edge	-23.20	-10	-13.20
		High	Band Edge	-37.61	-25	-12.61
LTE-B38	20MHz	Low	Band Edge	-39.15	-25	-14.15
		High	Band Edge	-34.94	-25	-9.94
	15MHz	Low	Band Edge	-39.04	-25	-14.04
		High	Band Edge	-34.99	-25	-9.99
	10MHz	Low	Band Edge	-33.96	-25	-8.96
		High	Band Edge	-34.19	-25	-9.19
	5MHz	Low	Band Edge	-22.21	-10	-12.21
		High	Band Edge	-36.13	-25	-11.13

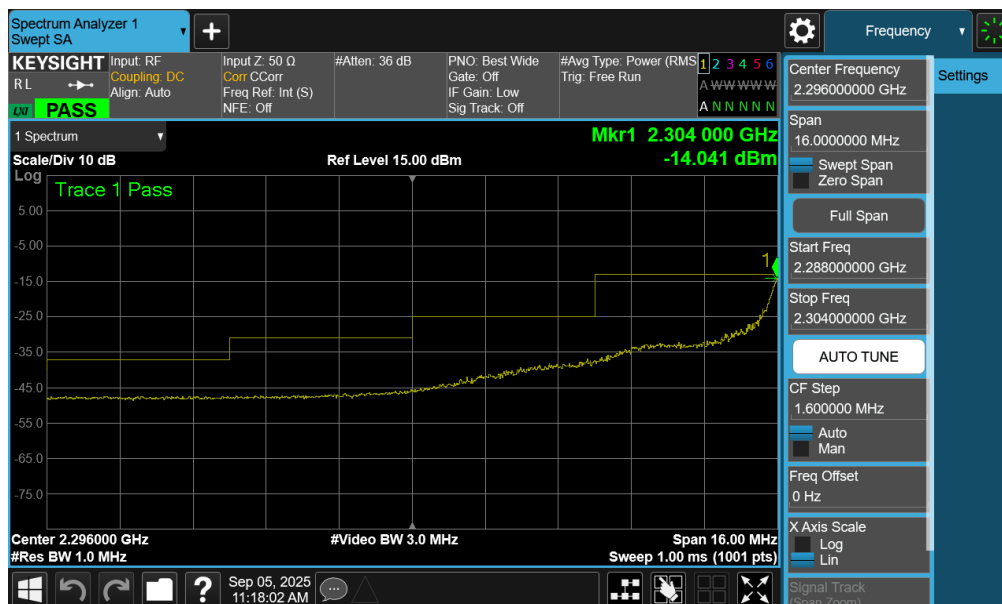
Table 7-38. Conducted Band Edge Test Results – LTE – Ant 2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 195 of 252

LTE Band 30 – Ant2

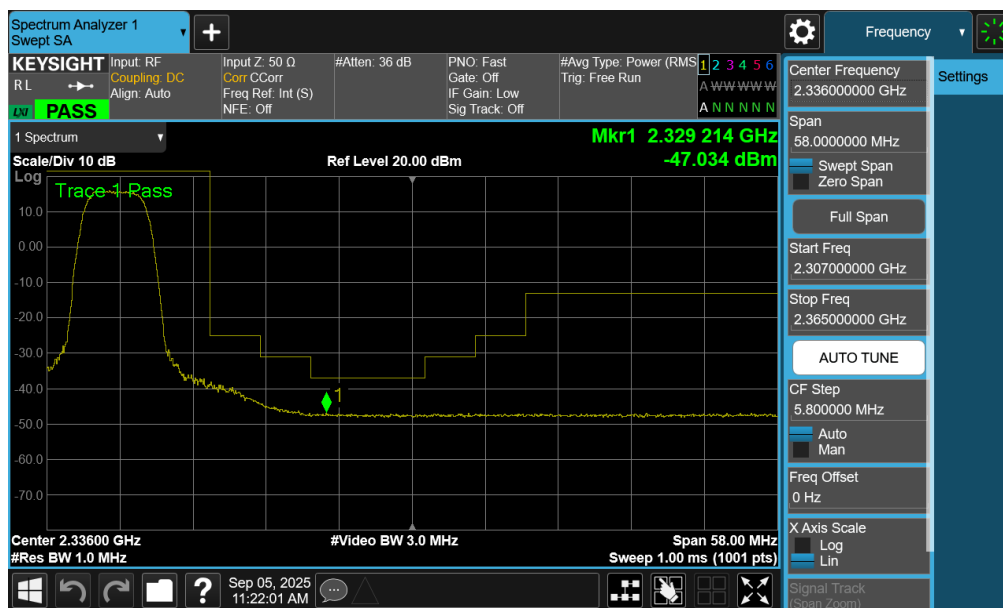
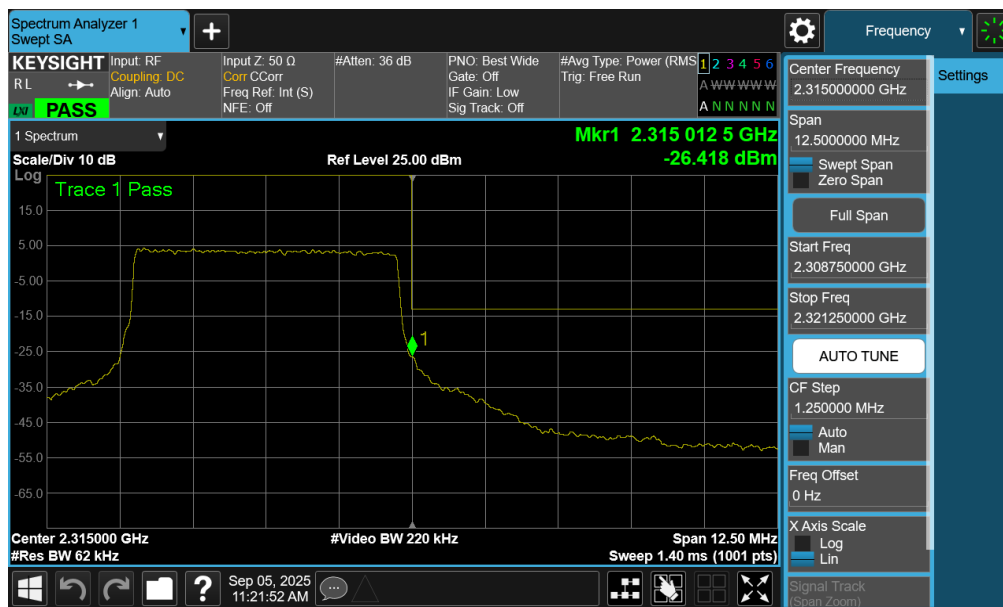


Plot 7-263. Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB - Ant2)



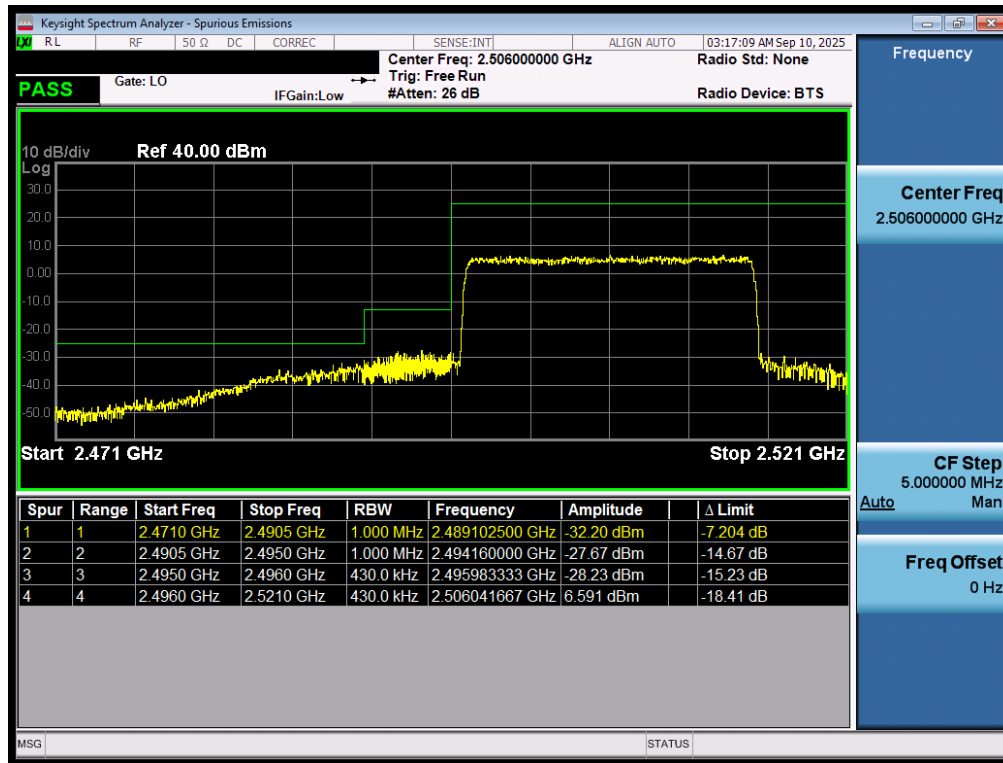
Plot 7-264. Extended Lower Band Edge Plot (LTE Band 30 - 5MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 196 of 252

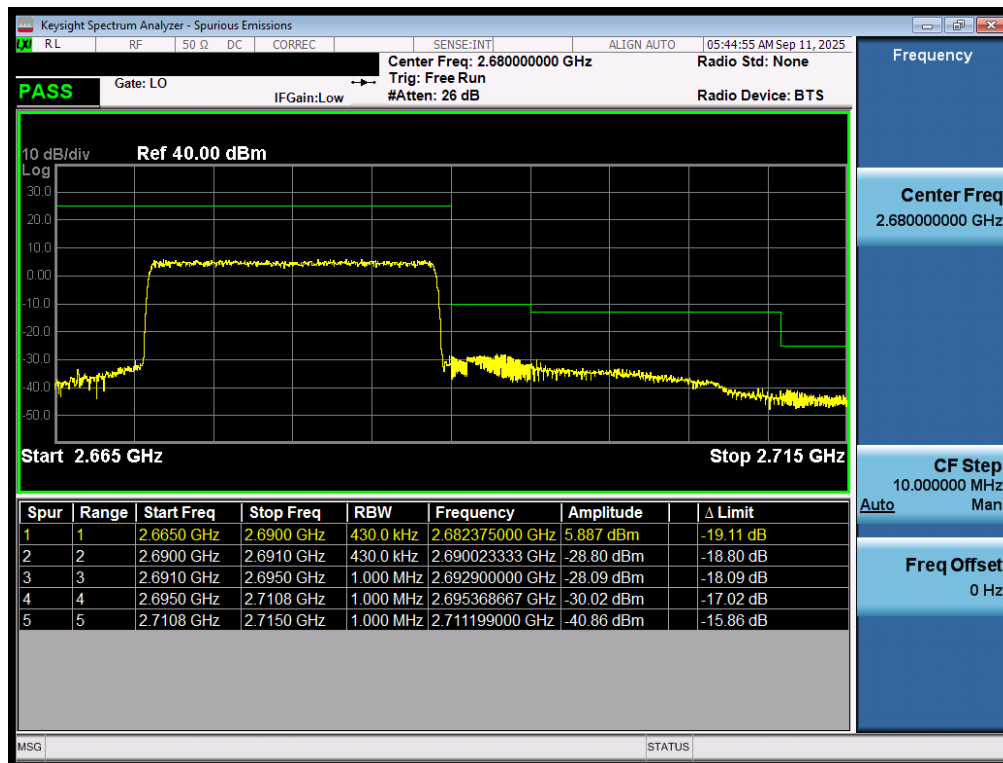


FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 197 of 252

LTE Band 41(PC3) – Ant2



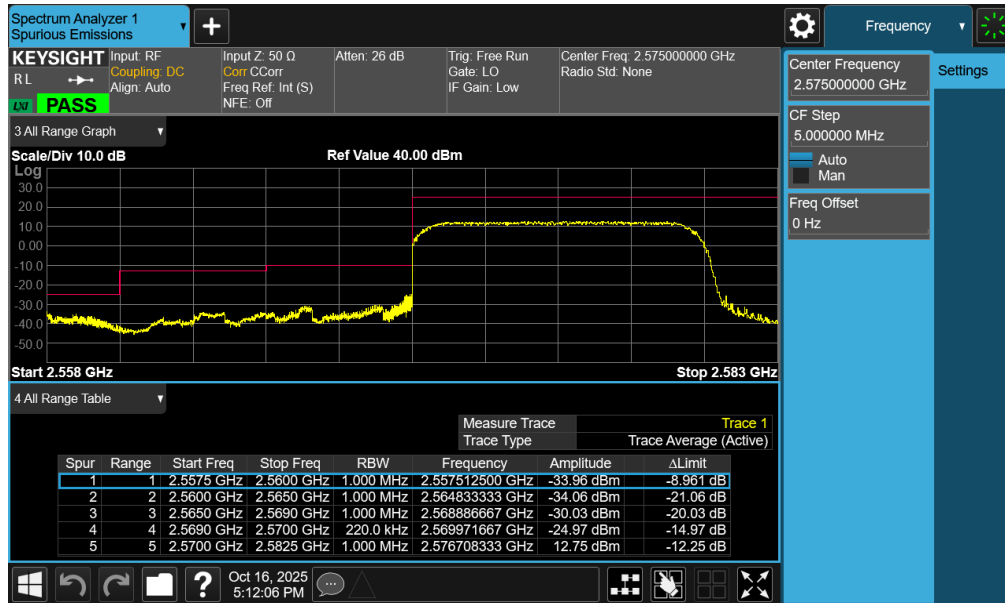
Plot 7-267. Lower ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB - Ant2)



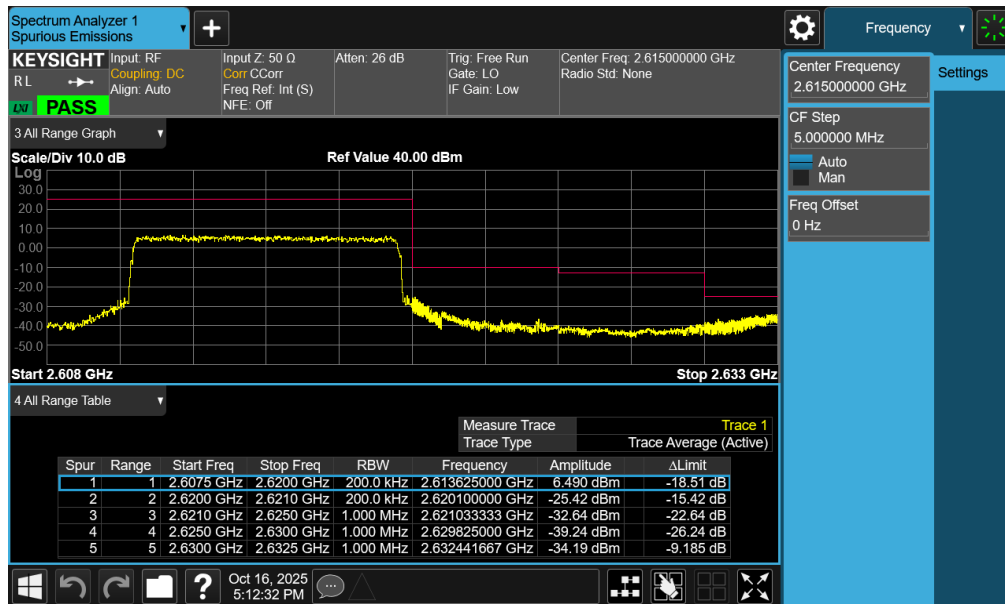
Plot 7-268. Upper ACP Plot (LTE Band 41(PC3) - 20MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 198 of 252

LTE Band 38 – Ant2



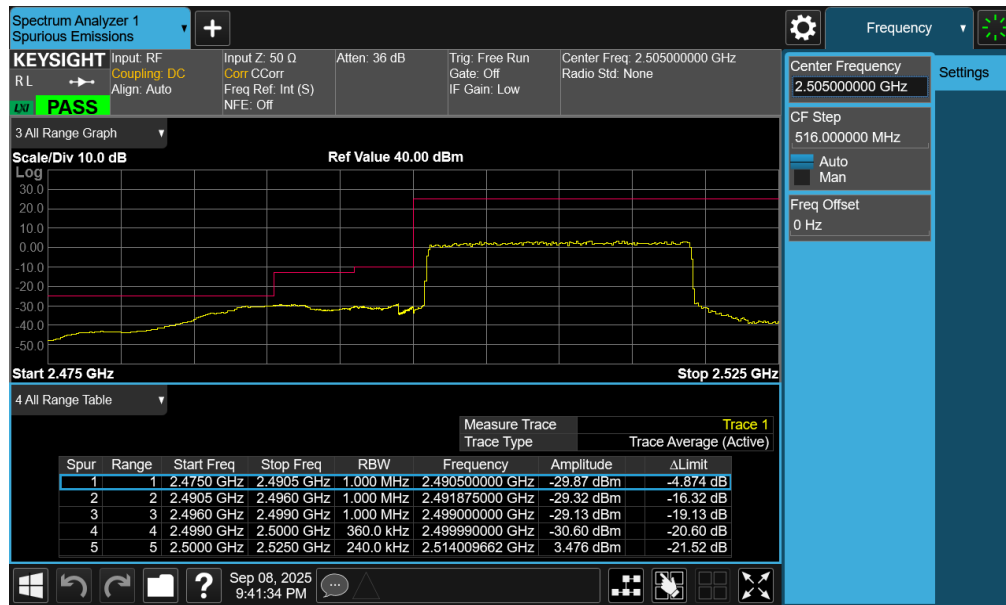
Plot 7-269. Lower ACP Plot (LTE Band 38 - 10MHz QPSK – Full RB - Ant2)



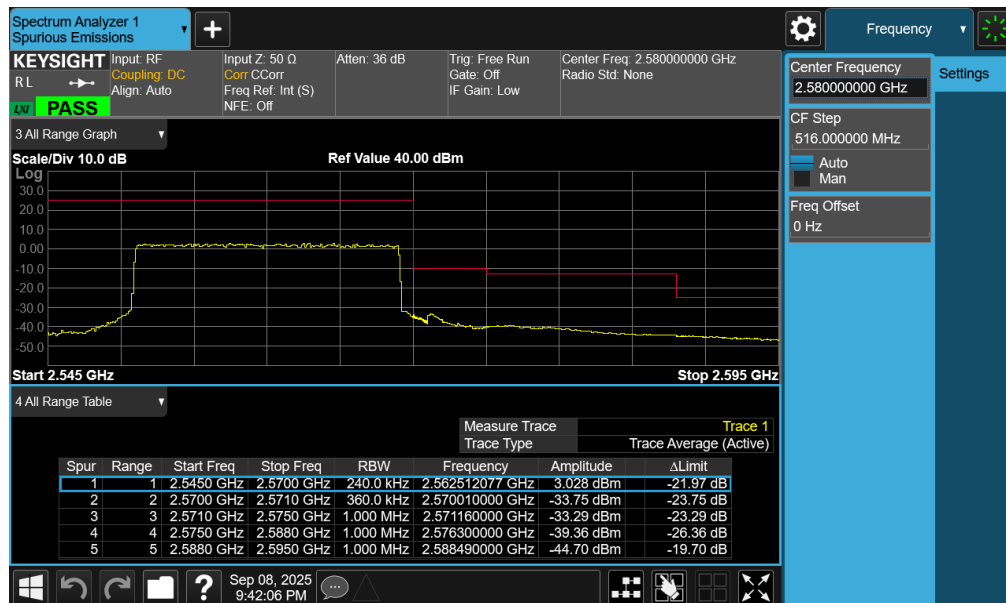
Plot 7-270. Upper ACP Plot (LTE Band 38 - 10MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 199 of 252

LTE Band 7 – Ant2



Plot 7-271. Lower ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant2)



Plot 7-272. Upper ACP Plot (LTE Band 7 - 20MHz QPSK – Full RB - Ant2)

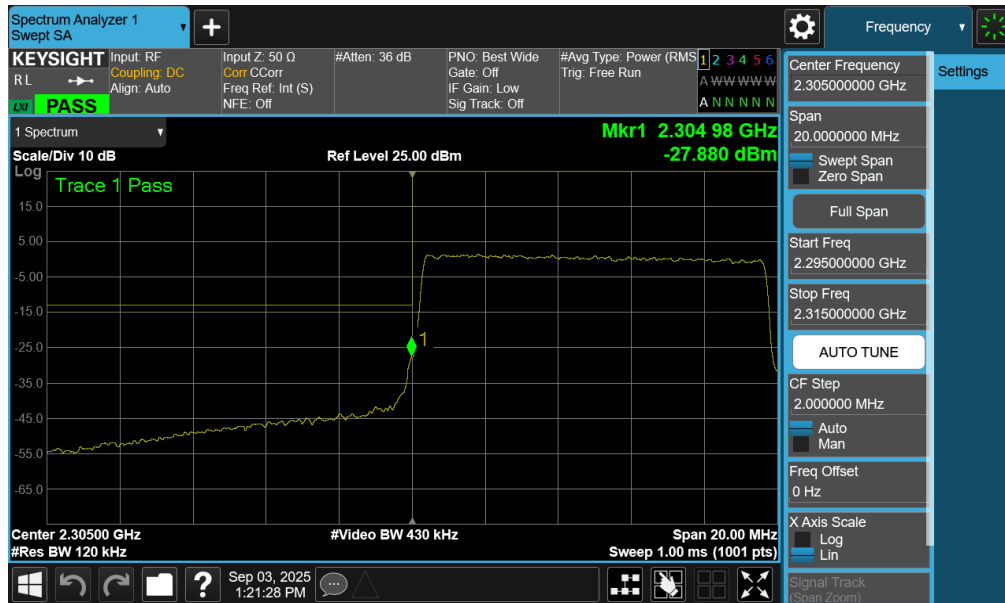
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 200 of 252

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n30	10MHz	Low	Band Edge	-27.88	-13	-14.88
		Low	Extended	-22.21	-13	-9.21
		High	Band Edge	-27.62	-13	-14.62
		High	Extended	-34.48	-25	-9.47
	5MHz	Low	Band Edge	-29.91	-13	-16.91
		Low	Extended	-34.39	-13	-21.39
		High	Band Edge	-26.43	-13	-13.43
		High	Extended	-36.15	-25	-11.15
NR-n7	50MHz	Low	Band Edge	-35.52	-25	-10.52
		High	Band Edge	-43.96	-25	-18.96
	40MHz	Low	Band Edge	-36.17	-25	-11.17
		High	Band Edge	-45.39	-25	-20.39
	35MHz	Low	Band Edge	-35.39	-25	-10.39
		High	Band Edge	-46.27	-25	-21.27
	30MHz	Low	Band Edge	-36.58	-25	-11.58
		High	Band Edge	-47.59	-25	-22.59
	25MHz	Low	Band Edge	-31.43	-25	-6.43
		High	Band Edge	-43.49	-25	-18.49
	20MHz	Low	Band Edge	-29.33	-25	-4.33
		High	Band Edge	-46.34	-25	-21.34
	15MHz	Low	Band Edge	-32.66	-25	-7.66
		High	Band Edge	-45.52	-25	-20.52
	10MHz	Low	Band Edge	-39.47	-25	-14.47
		High	Band Edge	-39.94	-25	-14.94
	5MHz	Low	Band Edge	-40.77	-25	-15.77
		High	Band Edge	-39.84	-25	-14.84

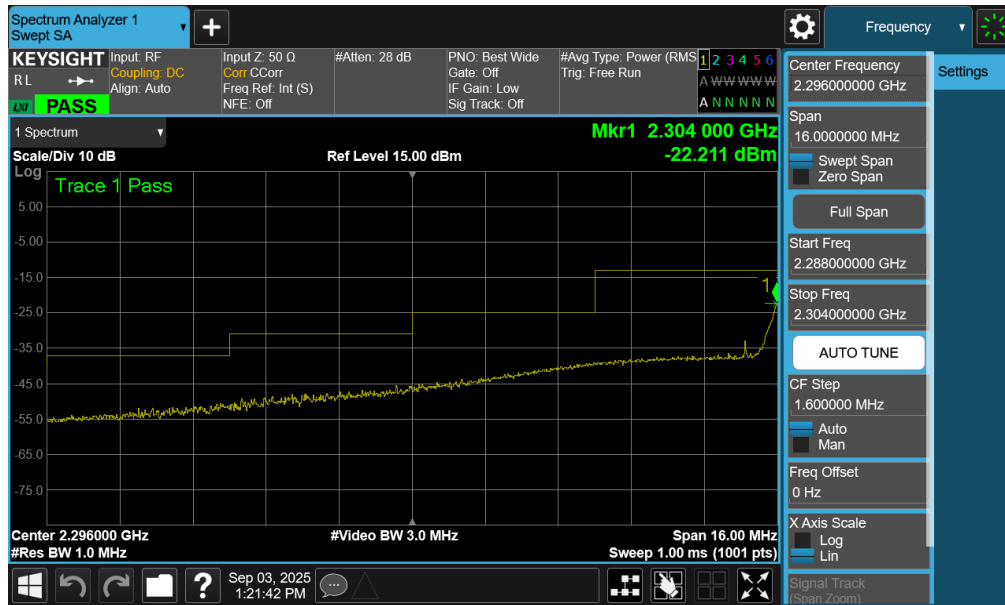
Table 7-39. Conducted Band Edge Test Results – NR – Ant 2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 201 of 252

NR Band n30 – Ant2

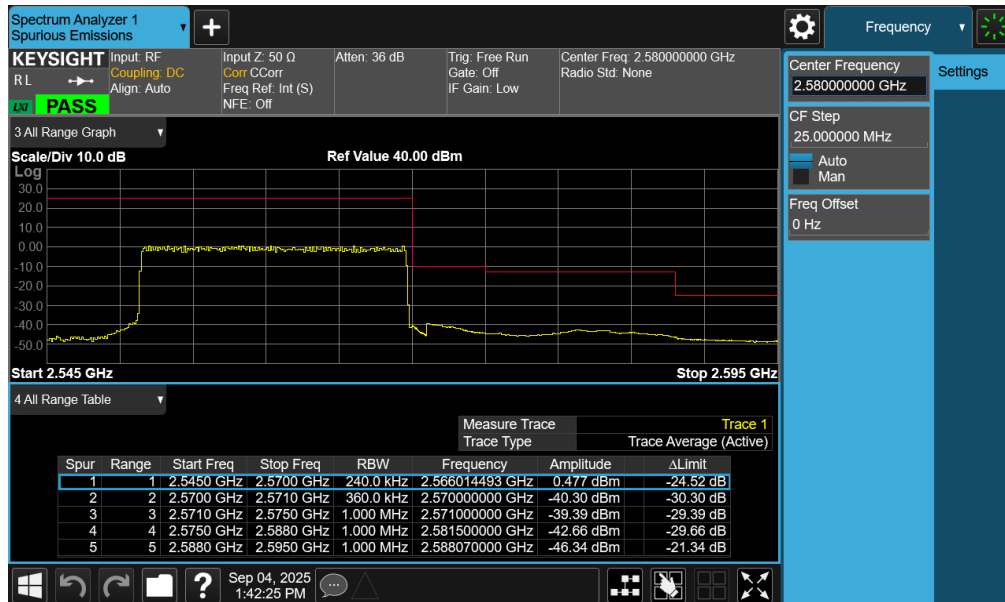
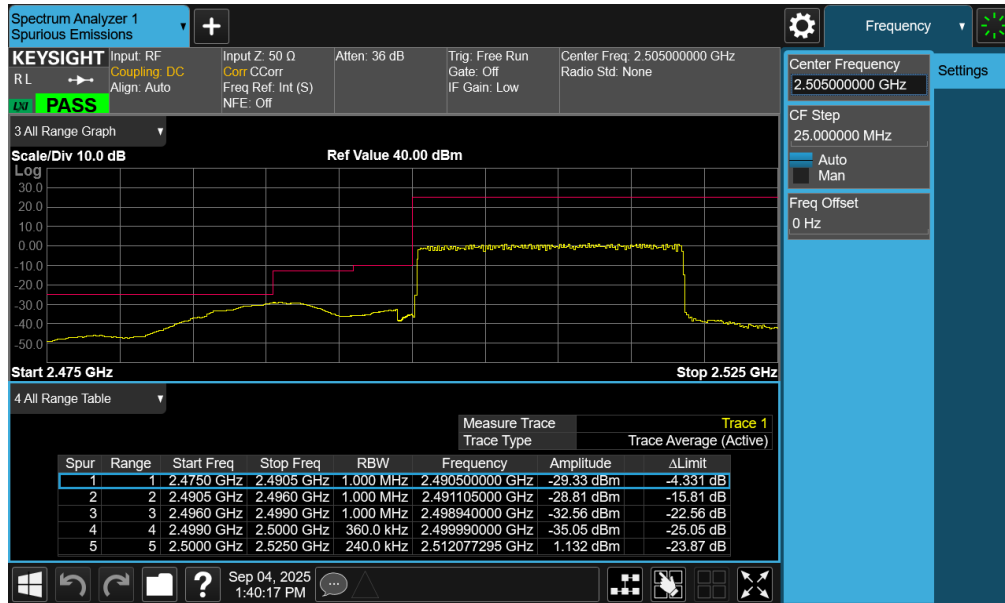


Plot 7-274. Extended Lower Band Edge Plot (NR Band n30 - 10MHz CP-OFDM-QPSK – Full RB - Ant2)



FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 202 of 252

NR Band n7 – Ant2



FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 203 of 252

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. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ 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 roughly set equal to the measured OBW of the signal for signals with continuous operation. 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.

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 204 of 252

Test Setup

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

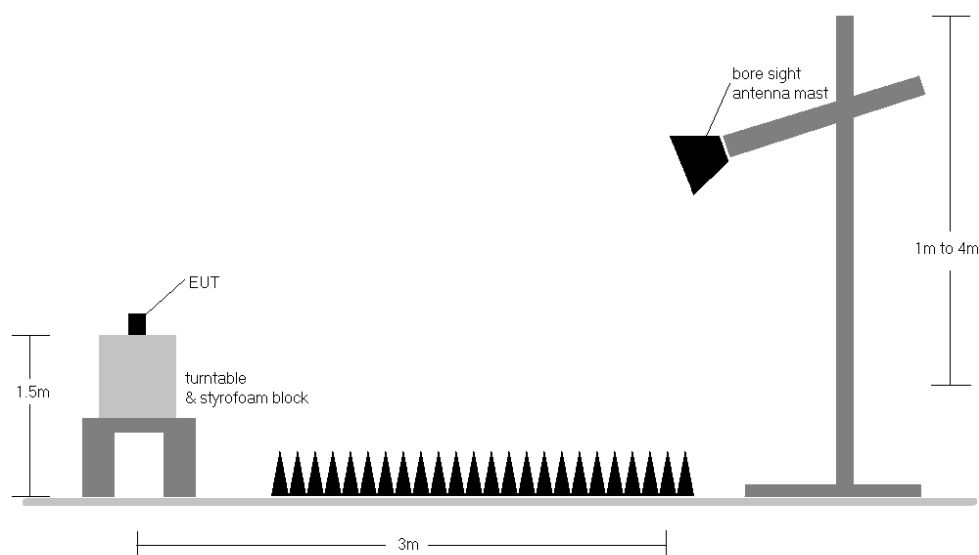


Figure 7-5. Radiated Test Setup >1GHz

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) Only the highest target power SRS-1 antenna for n41 default (Antenna F) and n41 switching (Antenna B) are reported for the overall n41 SRS worst case.

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 205 of 252

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	V	133	132	4.36	1 / 25	17.83	22.19	0.166	23.98	-1.79
	16-QAM	2310.0	V	133	132	4.36	1 / 25	16.98	21.34	0.136	23.98	-2.64
5 MHz	QPSK	2307.5	V	133	132	4.37	1 / 0	18.09	22.45	0.176	23.98	-1.52
	QPSK	2310.0	V	133	132	4.36	1 / 0	17.94	22.30	0.170	23.98	-1.68
	QPSK	2312.5	V	133	132	4.36	1 / 24	17.84	22.20	0.166	23.98	-1.78
	16-QAM	2310.0	V	133	132	4.36	1 / 0	17.30	21.66	0.147	23.98	-2.32
10 MHz	Opposite Pol.	2310.0	H	156	327	3.66	1 / 25	17.68	21.34	0.136	23.98	-2.64
	WCP	2310.0	V	124	41	4.36	1 / 25	17.37	21.73	0.149	23.98	-2.25

Table 7-40. EIRP Data (LTE Band 30) – Ant1

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2506.0	H	135	333	4.17	1 / 0	19.12	23.29	0.213	33.01	-9.72
	QPSK	2593.0	H	118	320	4.00	1 / 50	19.00	23.00	0.199	33.01	-10.01
	QPSK	2680.0	H	137	319	4.50	1 / 0	17.61	22.11	0.163	33.01	-10.90
	16-QAM	2506.0	H	135	333	4.17	1 / 0	18.40	22.57	0.181	33.01	-10.44
15 MHz	QPSK	2503.5	H	135	333	4.17	1 / 74	18.29	22.47	0.176	33.01	-10.54
	QPSK	2593.0	H	118	320	4.00	1 / 37	18.58	22.58	0.181	33.01	-10.43
	QPSK	2682.5	H	137	319	4.51	1 / 37	17.12	21.63	0.145	33.01	-11.38
	16-QAM	2503.5	H	135	333	4.17	1 / 74	18.18	22.36	0.172	33.01	-10.65
10 MHz	QPSK	2501.0	H	135	333	4.17	1 / 49	18.20	22.37	0.172	33.01	-10.64
	QPSK	2593.0	H	118	320	4.00	1 / 25	18.65	22.65	0.184	33.01	-10.36
	QPSK	2685.0	H	137	319	4.52	1 / 25	17.11	21.63	0.145	33.01	-11.38
	16-QAM	2593.0	H	118	320	4.00	1 / 25	18.35	22.35	0.172	33.01	-10.66
5 MHz	QPSK	2498.5	H	135	333	4.16	1 / 12	18.31	22.48	0.177	33.01	-10.53
	QPSK	2593.0	H	118	320	4.00	1 / 12	18.64	22.64	0.183	33.01	-10.37
	QPSK	2687.5	H	137	319	4.53	1 / 12	17.15	21.68	0.147	33.01	-11.33
	16-QAM	2593.0	H	118	320	4.00	1 / 12	18.39	22.39	0.174	33.01	-10.62
20 MHz	Opposite Pol.	2506.0	V	362	131	4.81	1 / 0	17.82	22.63	0.183	33.01	-10.38
	WCP	2506.0	H	128	321	4.18	1 / 0	18.32	22.50	0.178	33.01	-10.51

Table 7-41. EIRP Data (LTE Band 41(PC3)/38) – Ant1

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2510.0	H	129	319	4.18	1 / 0	17.61	21.79	0.151	33.01	-11.22
	QPSK	2535.0	H	125	319	4.19	1 / 0	17.52	21.71	0.148	33.01	-11.30
	QPSK	2560.0	H	115	307	4.15	1 / 50	17.75	21.90	0.155	33.01	-11.11
	16-QAM	2560.0	H	115	307	4.15	1 / 50	16.83	20.98	0.125	33.01	-12.03
15 MHz	QPSK	2507.5	H	129	319	4.17	1 / 0	17.50	21.67	0.147	33.01	-11.34
	QPSK	2535.0	H	125	319	4.19	1 / 0	17.77	21.96	0.157	33.01	-11.05
	QPSK	2562.5	H	115	307	4.14	1 / 37	17.86	22.00	0.158	33.01	-11.01
	16-QAM	2507.5	H	129	319	4.17	1 / 0	16.98	21.16	0.130	33.01	-11.85
10 MHz	QPSK	2505.0	H	129	319	4.17	1 / 0	17.48	21.66	0.146	33.01	-11.35
	QPSK	2535.0	H	125	319	4.19	1 / 0	17.69	21.88	0.154	33.01	-11.13
	QPSK	2565.0	H	115	307	4.13	1 / 0	17.59	21.71	0.148	33.01	-11.30
	16-QAM	2535.0	H	125	319	4.19	1 / 0	16.77	20.96	0.125	33.01	-12.05
5 MHz	QPSK	2502.5	H	129	319	4.17	1 / 12	17.66	21.84	0.153	33.01	-11.17
	QPSK	2535.0	H	125	319	4.19	1 / 12	17.80	21.99	0.158	33.01	-11.02
	QPSK	2567.5	H	115	307	4.11	1 / 12	17.93	22.04	0.160	33.01	-10.97
	16-QAM	2502.5	H	129	319	4.17	1 / 12	17.23	21.41	0.138	33.01	-11.60
20 MHz	Opposite Pol.	2560.0	V	211	321	4.75	1 / 99	15.10	19.85	0.097	33.01	-13.16
	WCP	2560.0	H	139	314	4.15	1 / 50	17.22	21.37	0.137	33.01	-11.64

Table 7-42. EIRP Data (LTE Band 7) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 206 of 252

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	$\pi/2$ BPSK	2310.0	H	188	325	3.66	1 / 26	17.95	21.61	0.145	23.98	-2.37
	QPSK	2310.0	H	188	325	3.66	1 / 26	17.97	21.63	0.146	23.98	-2.35
	16-QAM	2310.0	H	188	325	3.66	1 / 26	16.78	20.44	0.111	23.98	-3.54
5 MHz	$\pi/2$ BPSK	2307.5	H	188	325	3.66	1 / 12	18.29	21.95	0.157	23.98	-2.03
	$\pi/2$ BPSK	2310.0	H	188	325	3.66	1 / 1	18.21	21.88	0.154	23.98	-2.10
	$\pi/2$ BPSK	2312.5	H	188	325	3.67	1 / 1	17.89	21.56	0.143	23.98	-2.42
	QPSK	2307.5	H	188	325	3.66	1 / 12	18.33	21.99	0.158	23.98	-1.99
	QPSK	2310.0	H	188	325	3.66	1 / 1	18.34	22.00	0.159	23.98	-1.98
	QPSK	2312.5	H	188	325	3.67	1 / 1	17.89	21.56	0.143	23.98	-2.42
	16-QAM	2307.5	H	188	325	3.66	1 / 12	16.48	20.13	0.103	23.98	-3.85
10 MHz	QPSK (CP-OFDM)	2310.0	H	188	325	3.66	1 / 26	16.51	20.17	0.104	23.98	-3.81
	Opposite Pol.	2310.0	V	175	140	4.36	1 / 1	16.50	20.86	0.122	23.98	-3.12
	WCP	2310.0	H	225	326	3.66	1 / 26	17.89	21.55	0.143	23.98	-2.43

Table 7-43. EIRP Data (NR Band n30) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 207 of 252

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.01	H	153	317	4.19	1 / 1	19.93	24.12	0.258	33.01	-8.89
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 136	21.20	25.20	0.331	33.01	-7.81
	π/2 BPSK	2640.00	H	140	315	4.31	1 / 1	20.02	24.33	0.271	33.01	-8.68
	QPSK	2546.01	H	153	317	4.19	1 / 1	20.14	24.33	0.271	33.01	-8.68
	QPSK	2502.99	H	108	315	4.00	1 / 136	21.18	25.18	0.330	33.01	-7.83
	QPSK	2640.00	H	140	315	4.31	1 / 1	20.36	24.67	0.293	33.01	-8.34
90 MHz	16-QAM	2502.99	H	108	315	4.00	1 / 136	20.52	24.52	0.283	33.01	-8.49
	π/2 BPSK	2541.00	H	153	317	4.19	1 / 1	19.60	23.79	0.239	33.01	-9.22
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 122	21.08	25.08	0.322	33.01	-7.93
	π/2 BPSK	2644.98	H	140	315	4.36	1 / 1	19.84	24.19	0.263	33.01	-8.82
	QPSK	2541.00	H	153	317	4.19	1 / 243	18.75	22.94	0.197	33.01	-10.07
	QPSK	2502.99	H	108	315	4.00	1 / 122	21.11	25.11	0.324	33.01	-7.90
80 MHz	QPSK	2644.98	H	140	315	4.36	1 / 1	20.25	24.60	0.289	33.01	-8.41
	16-QAM	2502.99	H	108	315	4.00	1 / 243	20.43	24.43	0.277	33.01	-8.58
	π/2 BPSK	2536.02	H	153	317	4.19	1 / 1	19.65	23.84	0.242	33.01	-9.17
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 108	20.96	24.96	0.313	33.01	-8.05
	π/2 BPSK	2649.99	H	140	315	4.40	1 / 1	19.83	24.23	0.265	33.01	-8.78
	QPSK	2536.02	H	153	317	4.19	1 / 1	18.84	23.03	0.201	33.01	-9.98
70 MHz	QPSK	2502.99	H	108	315	4.00	1 / 215	21.08	25.08	0.322	33.01	-7.93
	QPSK	2649.99	H	140	315	4.40	1 / 1	20.09	24.49	0.281	33.01	-8.52
	16-QAM	2502.99	H	108	315	4.00	1 / 215	20.56	24.56	0.286	33.01	-8.45
	π/2 BPSK	2531.01	H	153	317	4.18	1 / 187	19.71	23.89	0.245	33.01	-9.12
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 94	20.96	24.96	0.313	33.01	-8.05
	π/2 BPSK	2655.00	H	140	315	4.42	1 / 1	19.74	24.15	0.260	33.01	-8.86
60 MHz	QPSK	2531.01	H	153	317	4.18	1 / 187	18.90	23.08	0.203	33.01	-9.93
	QPSK	2502.99	H	108	315	4.00	1 / 94	21.13	25.13	0.326	33.01	-7.88
	QPSK	2655.00	H	140	315	4.42	1 / 1	20.15	24.56	0.286	33.01	-8.45
	16-QAM	2502.99	H	108	315	4.00	1 / 187	20.57	24.57	0.286	33.01	-8.44
	π/2 BPSK	2526.00	H	153	317	4.18	1 / 1	19.57	23.75	0.237	33.01	-9.26
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 160	20.98	24.98	0.315	33.01	-8.03
50 MHz	π/2 BPSK	2659.98	H	140	315	4.43	1 / 1	19.63	24.06	0.255	33.01	-8.95
	QPSK	2526.00	H	153	317	4.18	1 / 1	18.74	22.92	0.196	33.01	-10.09
	QPSK	2502.99	H	108	315	4.00	1 / 160	21.10	25.10	0.324	33.01	-7.91
	QPSK	2659.98	H	140	315	4.43	1 / 1	19.91	24.34	0.272	33.01	-8.67
	16-QAM	2502.99	H	108	315	4.00	1 / 160	20.46	24.46	0.279	33.01	-8.55
	π/2 BPSK	2521.02	H	153	317	4.18	1 / 1	19.73	23.91	0.246	33.01	-9.10
45 MHz	π/2 BPSK	2502.99	H	108	315	4.00	1 / 131	21.19	25.19	0.330	33.01	-7.82
	π/2 BPSK	2664.99	H	140	315	4.45	1 / 1	19.73	24.18	0.262	33.01	-8.83
	QPSK	2521.02	H	153	317	4.18	1 / 1	18.89	23.07	0.203	33.01	-9.94
	QPSK	2502.99	H	108	315	4.00	1 / 131	21.29	25.29	0.338	33.01	-7.72
	QPSK	2664.99	H	140	315	4.45	1 / 1	20.05	24.50	0.282	33.01	-8.51
	16-QAM	2502.99	H	108	315	4.00	1 / 131	20.57	24.57	0.286	33.01	-8.44
40 MHz	π/2 BPSK	2518.50	H	153	317	4.18	1 / 1	19.98	24.16	0.261	33.01	-8.85
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 117	21.35	25.35	0.343	33.01	-7.66
	π/2 BPSK	2667.50	H	140	315	4.47	1 / 1	19.86	24.32	0.271	33.01	-8.69
	QPSK	2518.50	H	153	317	4.18	1 / 1	19.21	23.39	0.218	33.01	-9.62
	QPSK	2502.99	H	108	315	4.00	1 / 117	21.50	25.50	0.355	33.01	-7.51
	QPSK	2667.50	H	140	315	4.47	1 / 1	20.26	24.72	0.297	33.01	-8.29
35 MHz	16-QAM	2502.99	H	108	315	4.00	1 / 117	20.82	24.82	0.303	33.01	-8.19
	π/2 BPSK	2516.01	H	153	317	4.18	1 / 1	19.65	23.82	0.241	33.01	-9.19
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 104	21.03	25.03	0.318	33.01	-7.98
	π/2 BPSK	2670.00	H	140	315	4.48	1 / 53	19.44	23.92	0.247	33.01	-9.08
	QPSK	2516.01	H	153	317	4.18	1 / 53	18.77	22.94	0.197	33.01	-10.07
	QPSK	2502.99	H	108	315	4.00	1 / 104	21.11	25.11	0.324	33.01	-7.90
30 MHz	QPSK	2670.00	H	140	315	4.48	1 / 1	19.74	24.22	0.264	33.01	-8.79
	16-QAM	2502.99	H	108	315	4.00	1 / 104	20.49	24.49	0.281	33.01	-8.52
	π/2 BPSK	2513.50	H	153	317	4.17	1 / 46	19.86	24.03	0.253	33.01	-8.98
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 46	21.12	25.12	0.325	33.01	-7.89
	π/2 BPSK	2672.50	H	140	315	4.50	1 / 1	19.59	24.09	0.257	33.01	-8.92
	QPSK	2513.50	H	153	317	4.17	1 / 46	18.97	23.14	0.206	33.01	-9.87
25 MHz	QPSK	2502.99	H	108	315	4.00	1 / 46	21.19	25.19	0.330	33.01	-7.82
	QPSK	2672.50	H	140	315	4.50	1 / 1	19.91	24.41	0.276	33.01	-8.60
	16-QAM	2502.99	H	108	315	4.00	1 / 90	20.56	24.56	0.286	33.01	-8.45
	π/2 BPSK	2511.00	H	153	317	4.17	1 / 1	19.80	23.97	0.250	33.01	-9.04
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 76	21.03	25.03	0.318	33.01	-7.98
	π/2 BPSK	2674.98	H	140	315	4.50	1 / 1	19.58	24.08	0.256	33.01	-8.93
20 MHz	QPSK	2511.00	H	153	317	4.17	1 / 1	18.96	23.13	0.206	33.01	-9.88
	QPSK	2502.99	H	108	315	4.00	1 / 76	21.13	25.13	0.326	33.01	-7.88
	QPSK	2674.98	H	140	315	4.50	1 / 1	19.82	24.32	0.271	33.01	-8.69
	16-QAM	2502.99	H	108	315	4.00	1 / 76	20.55	24.55	0.285	33.01	-8.46
	π/2 BPSK	2508.50	H	153	317	4.17	1 / 1	19.82	23.99	0.251	33.01	-9.02
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 32	21.05	25.05	0.320	33.01	-7.96
15 MHz	π/2 BPSK	2677.50	H	140	315	4.50	1 / 1	19.50	24.00	0.251	33.01	-9.01
	QPSK	2508.50	H	153	317	4.17	1 / 1	18.94	23.11	0.205	33.01	-9.90
	QPSK	2502.99	H	108	315	4.00	1 / 32	21.15	25.15	0.327	33.01	-7.86
	QPSK	2677.50	H	140	315	4.50	1 / 1	19.78	24.28	0.268	33.01	-8.73
	16-QAM	2502.99	H	108	315	4.00	1 / 63	20.54	24.54	0.284	33.01	-8.47
	π/2 BPSK	2506.02	H	153	317	4.17	1 / 25	19.65	23.82	0.241	33.01	-9.19
10 MHz	π/2 BPSK	2502.99	H	108	315	4.00	1 / 25	20.94	24.94	0.312	33.01	-8.07
	π/2 BPSK	2679.99	H	140	315	4.50	1 / 1	19.49	23.99	0.261	33.01	-9.02
	QPSK	2506.02	H	153	317	4.17	1 / 25	18.77	22.94	0.197	33.01	-10.07
	QPSK	2502.99	H	108	315	4.00	1 / 49	21.04	25.04	0.319	33.01	-7.97
	QPSK	2679.99	H	140	315	4.50	1 / 1	19.82	24.32	0.271	33.01	-8.69
	16-QAM	2502.99	H	108	315	4.00	1 / 49	20.35	24.35	0.272	33.01	-8.66
5 MHz	π/2 BPSK	2503.50	H	153	317	4.17	1 / 19	19.70	23.87	0.244	33.01	-9.14
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 36	20.95	24.95	0.313	33.01	-8.06
	π/2 BPSK	2682.50	H	140	315	4.50	1 / 1	19.51	24.01	0.252	33.01	-9.00
	QPSK	2503.50	H	153	317	4.17	1 / 19	18.80	22.97	0.198	33.01	-10.04
	QPSK	2502.99	H	108	315	4.00	1 / 19	21.03	25.03	0.318	33.01	-7.98
	QPSK	2682.50	H	140	315	4.50	1 / 36	19.79	24.29	0.269	33.01	-8.72
2 MHz	16-QAM	2502.99	H	108	315	4.00	1 / 36	20.42	24.42	0.277	33.01	-8.59
	π/2 BPSK	2501.00	H	153	317	4.17	1 / 22	19.66	23.83	0.242	33.01	-9.18
	π/2 BPSK	2502.99	H	108	315	4.00	1 / 22	21.03	25.03	0.318	33.01	-7.98
	π/2 BPSK	2685.00	H	140	315	4.50	1 / 22	19.43	23.93	0.247	33.01	-9.08
	QPSK	2501.00	H	153	317	4.17	1 / 22	18.82	22.99	0.199	33.01	-10.02
	QPSK	2502.99	H	108	315	4.00	1 / 22	21.14	25.14	0.327	33.01	-7.87

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	π/2 BPSK	2546.01	H	108	159	4.19	1 / 136	20.68	24.87	0.307	33.01	-8.14
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 271	21.24	25.24	0.334	33.01	-7.77
	π/2 BPSK	2640.00	H	162	159	4.31	1 / 1	20.83	25.14	0.327	33.01	-7.87
	QPSK	2546.01	H	108	159	4.19	1 / 136	20.54	24.73	0.297	33.01	-8.28
	QPSK	2592.99	H	166	161	4.00	1 / 271	21.56	25.56	0.360	33.01	-7.45
	QPSK	2640.00	H	162	159	4.31	1 / 1	20.87	25.18	0.330	33.01	-7.83
90 MHz	16-QAM	2592.99	H	166	161	4.00	1 / 271	20.68	24.68	0.294	33.01	-8.33
	π/2 BPSK	2541.00	H	108	159	4.19	1 / 1	20.00	24.19	0.262	33.01	-8.82
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 243	20.80	24.80	0.302	33.01	-8.21
	π/2 BPSK	2644.98	H	162	159	4.36	1 / 122	20.00	24.36	0.273	33.01	-8.65
	QPSK	2541.00	H	108	159	4.19	1 / 1	19.94	24.13	0.259	33.01	-8.88
	QPSK	2592.99	H	166	161	4.00	1 / 243	21.21	25.20	0.331	33.01	-7.81
80 MHz	QPSK	2644.98	H	162	159	4.36	1 / 122	20.16	24.51	0.283	33.01	-8.50
	16-QAM	2644.98	H	162	159	4.36	1 / 122	19.92	24.28	0.268	33.01	-8.73
	π/2 BPSK	2536.02	H	108	159	4.19	1 / 1	20.22	24.41	0.276	33.01	-8.60
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 108	20.54	24.54	0.285	33.01	-8.47
	π/2 BPSK	2649.99	H	162	159	4.40	1 / 1	20.04	24.44	0.278	33.01	-8.57
	QPSK	2536.02	H	108	159	4.19	1 / 1	20.13	24.31	0.270	33.01	-8.70
70 MHz	QPSK	2592.99	H	166	161	4.00	1 / 108	20.94	24.93	0.312	33.01	-8.08
	QPSK	2649.99	H	162	159	4.40	1 / 1	20.15	24.54	0.285	33.01	-8.47
	16-QAM	2649.99	H	162	159	4.40	1 / 1	20.07	24.47	0.280	33.01	-8.54
	π/2 BPSK	2531.01	H	108	159	4.18	1 / 1	19.94	24.13	0.259	33.01	-8.88
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 187	20.83	24.83	0.304	33.01	-8.18
	π/2 BPSK	2655.00	H	162	159	4.42	1 / 1	20.04	24.46	0.279	33.01	-8.55
60 MHz	QPSK	2531.01	H	108	159	4.18	1 / 187	19.85	24.03	0.253	33.01	-8.98
	QPSK	2592.99	H	166	161	4.00	1 / 187	21.28	25.27	0.337	33.01	-7.74
	QPSK	2655.00	H	162	159	4.42	1 / 1	20.21	24.62	0.290	33.01	-8.39
	16-QAM	2655.00	H	162	159	4.42	1 / 1	20.08	24.50	0.282	33.01	-8.51
	π/2 BPSK	2526.00	H	108	159	4.18	1 / 1	19.89	24.08	0.256	33.01	-8.93
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 160	20.78	24.78	0.301	33.01	-8.23
50 MHz	π/2 BPSK	2659.98	H	162	159	4.43	1 / 1	19.84	24.28	0.268	33.01	-8.73
	QPSK	2526.00	H	108	159	4.18	1 / 1	19.81	23.99	0.251	33.01	-9.02
	QPSK	2592.99	H	166	161	4.00	1 / 160	21.14	25.13	0.326	33.01	-7.88
	QPSK	2659.98	H	162	159	4.43	1 / 1	19.98	24.41	0.276	33.01	-8.60
	16-QAM	2659.98	H	162	159	4.43	1 / 1	19.90	24.34	0.271	33.01	-8.67
	π/2 BPSK	2521.02	H	108	159	4.18	1 / 1	20.13	24.31	0.270	33.01	-8.70
45 MHz	π/2 BPSK	2592.99	H	166	161	4.00	1 / 131	20.93	24.93	0.311	33.01	-8.08
	π/2 BPSK	2664.99	H	162	159	4.45	1 / 1	20.03	24.48	0.280	33.01	-8.53
	QPSK	2521.02	H	108	159	4.18	1 / 1	20.05	24.23	0.265	33.01	-8.78
	QPSK	2592.99	H	166	161	4.00	1 / 131	21.35	25.34	0.342	33.01	-7.67
	QPSK	2664.99	H	162	159	4.45	1 / 1	20.02	24.47	0.280	33.01	-8.54
	16-QAM	2664.99	H	162	159	4.45	1 / 1	19.99	24.44	0.278	33.01	-8.57
40 MHz	π/2 BPSK	2518.50	H	108	159	4.18	1 / 1	20.19	24.37	0.273	33.01	-8.64
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 117	20.91	24.91	0.310	33.01	-8.10
	π/2 BPSK	2667.50	H	162	159	4.47	1 / 1	20.00	24.47	0.280	33.01	-8.54
	QPSK	2518.50	H	108	159	4.18	1 / 1	20.11	24.29	0.269	33.01	-8.72
	QPSK	2592.99	H	166	161	4.00	1 / 117	21.37	25.36	0.344	33.01	-7.65
	QPSK	2667.50	H	162	159	4.47	1 / 1	20.03	24.49	0.281	33.01	-8.52
35 MHz	16-QAM	2667.50	H	162	159	4.47	1 / 1	20.06	24.53	0.284	33.01	-8.48
	π/2 BPSK	2516.01	H	108	159	4.18	1 / 1	19.92	24.10	0.257	33.01	-8.91
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 104	20.67	24.67	0.293	33.01	-8.34
	π/2 BPSK	2670.00	H	162	159	4.48	1 / 1	19.67	24.16	0.260	33.01	-8.85
	QPSK	2516.01	H	108	159	4.18	1 / 1	19.83	24.00	0.251	33.01	-9.01
	QPSK	2592.99	H	166	161	4.00	1 / 104	21.09	25.08	0.322	33.01	-7.93
30 MHz	QPSK	2670.00	H	162	159	4.48	1 / 1	19.78	24.26	0.267	33.01	-8.75
	16-QAM	2670.00	H	162	159	4.48	1 / 1	19.68	24.17	0.261	33.01	-8.84
	π/2 BPSK	2513.50	H	108	159	4.17	1 / 46	20.07	24.25	0.266	33.01	-8.76
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 90	20.71	24.71	0.296	33.01	-8.30
	π/2 BPSK	2672.50	H	162	159	4.50	1 / 46	19.73	24.23	0.265	33.01	-8.78
	QPSK	2513.50	H	108	159	4.17	1 / 46	19.92	24.09	0.257	33.01	-8.92
25 MHz	QPSK	2592.99	H	166	161	4.00	1 / 90	21.11	25.10	0.324	33.01	-7.91
	QPSK	2672.50	H	162	159	4.50	1 / 1	19.82	24.32	0.271	33.01	-8.69
	16-QAM	2672.50	H	162	159	4.50	1 / 1	19.72	24.22	0.264	33.01	-8.79
	π/2 BPSK	2511.00	H	108	159	4.17	1 / 1	20.14	24.32	0.270	33.01	-8.69
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 76	20.73	24.73	0.297	33.01	-8.28
	π/2 BPSK	2674.98	H	162	159	4.50	1 / 1	19.80	24.30	0.269	33.01	-8.71
20 MHz	QPSK	2511.00	H	108	159	4.17	1 / 1	20.00	24.17	0.261	33.01	-8.84
	QPSK	2592.99	H	166	161	4.00	1 / 76	21.16	25.15	0.328	33.01	-7.86
	QPSK	2674.98	H	162	159	4.50	1 / 1	19.89	24.39	0.275	33.01	-8.62
	16-QAM	2674.98	H	162	159	4.50	1 / 1	19.84	24.34	0.271	33.01	-8.67
	π/2 BPSK	2508.50	H	108	159	4.17	1 / 1	20.14	24.32	0.270	33.01	-8.69
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 63	20.72	24.72	0.297	33.01	-8.29
15 MHz	π/2 BPSK	2677.50	H	162	159	4.50	1 / 1	19.68	24.18	0.262	33.01	-8.83
	QPSK	2508.50	H	108	159	4.17	1 / 1	20.01	24.18	0.262	33.01	-8.83
	QPSK	2592.99	H	166	161	4.00	1 / 63	21.13	25.12	0.325	33.01	-7.89
	QPSK	2677.50	H	162	159	4.50	1 / 1	19.74	24.24	0.266	33.01	-8.77
	16-QAM	2677.50	H	162	159	4.50	1 / 1	19.66	24.16	0.260	33.01	-8.85
	π/2 BPSK	2506.02	H	108	159	4.17	1 / 25	19.96	24.14	0.259	33.01	-8.87
10 MHz	π/2 BPSK	2592.99	H	166	161	4.00	1 / 49	20.69	24.69	0.295	33.01	-8.32
	π/2 BPSK	2679.99	H	162	159	4.50	1 / 1	19.66	24.16	0.260	33.01	-8.85
	QPSK	2506.02	H	108	159	4.17	1 / 1	19.83	24.00	0.251	33.01	-9.01
	QPSK	2592.99	H	166	161	4.00	50 / 0	21.06	25.05	0.320	33.01	-7.96
	QPSK	2679.99	H	162	159	4.50	1 / 1	19.76	24.26	0.267	33.01	-8.75
	16-QAM	2679.99	H	162	159	4.50	1 / 25	19.54	24.04	0.253	33.01	-8.97
5 MHz	π/2 BPSK	2503.50	H	108	159	4.17	1 / 36	20.01	24.19	0.262	33.01	-8.82
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 36	20.74	24.74	0.298	33.01	-8.27
	π/2 BPSK	2682.50	H	162	159	4.50	1 / 1	19.66	24.16	0.260	33.01	-8.85
	QPSK	2503.50	H	108	159	4.17	1 / 1	19.86	24.03	0.253	33.01	-8.98
	QPSK	2592.99	H	166	161	4.00	1 / 36	21.16	25.15	0.328	33.01	-7.86
	QPSK	2682.50	H	162	159	4.50	1 / 1	19.72	24.22	0.264	33.01	-8.79
100 MHz	16-QAM	2682.50	H	162	159	4.50	1 / 1	19.69	24.19	0.262	33.01	-8.82
	π/2 BPSK	2501.00	H	108	159	4.17	1 / 22	20.02	24.20	0.263	33.01	-8.81
	π/2 BPSK	2592.99	H	166	161	4.00	1 / 22	20.67	24.67	0.293	33.01	-8.34
	π/2 BPSK	2685.00	H	162	159	4.50	1 / 22	19.54	24.04	0.253	33.01	-8.97
	QPSK	2501.00	H	108	159	4.17	1 / 1	19.89	24.06	0.255	33.01	-8.95
	QPSK	2592.99	H	166	161	4.00	1 / 22	21.05	25.04	0.320	33.01	-7.97
100 MHz	16-QAM	2685.00	H	162	159	4.50	1 / 1	19.64	24.14	0.260	33.01	-8.87
	16-QAM	2685.00	H	162	159	4.50	1 / 22	19.49	23.99	0.250	33.01	-9.02
	QPSK (CP-OFDM)	2592.99	H	166	161	4.00	1 / 136	20.83				

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
50 MHz	$\pi/2$ BPSK	2525.0	H	118	314	4.18	1 / 135	17.29	21.47	0.140	33.01	-11.54
	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 135	17.37	21.56	0.143	33.01	-11.45
	$\pi/2$ BPSK	2545.0	H	112	312	4.19	1 / 135	17.43	21.62	0.145	33.01	-11.39
	QPSK	2525.0	H	118	314	4.18	1 / 135	17.13	21.31	0.135	33.01	-11.70
	QPSK	2535.0	H	123	312	4.19	1 / 135	17.30	21.49	0.141	33.01	-11.52
	QPSK	2545.0	H	112	312	4.19	1 / 135	17.39	21.58	0.144	33.01	-11.43
40 MHz	16-QAM	2535.0	H	123	312	4.19	1 / 135	16.12	20.31	0.107	33.01	-12.70
	$\pi/2$ BPSK	2520.0	H	118	314	4.18	1 / 108	17.07	21.25	0.133	33.01	-11.76
	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 1	17.16	21.35	0.136	33.01	-11.66
	$\pi/2$ BPSK	2550.0	H	112	312	4.17	1 / 1	17.16	21.33	0.136	33.01	-11.68
	QPSK	2520.0	H	118	314	4.18	1 / 108	16.89	21.07	0.128	33.01	-11.94
	QPSK	2535.0	H	123	312	4.19	1 / 1	17.06	21.25	0.133	33.01	-11.76
35 MHz	QPSK	2550.0	H	112	312	4.17	1 / 1	17.16	21.33	0.136	33.01	-11.68
	16-QAM	2535.0	H	123	312	4.19	1 / 1	16.06	20.25	0.106	33.01	-12.76
	$\pi/2$ BPSK	2517.5	H	118	314	4.18	1 / 94	17.23	21.41	0.138	33.01	-11.60
	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 1	17.30	21.49	0.141	33.01	-11.52
	$\pi/2$ BPSK	2557.5	H	112	312	4.16	1 / 94	17.23	21.39	0.138	33.01	-11.62
	QPSK	2517.5	H	118	314	4.18	1 / 94	17.00	21.18	0.131	33.01	-11.83
30 MHz	QPSK	2535.0	H	123	312	4.19	1 / 1	17.17	21.36	0.137	33.01	-11.65
	QPSK	2557.5	H	112	312	4.16	1 / 94	17.11	21.27	0.134	33.01	-11.74
	16-QAM	2535.0	H	123	312	4.19	1 / 1	16.06	20.25	0.106	33.01	-12.76
	$\pi/2$ BPSK	2515.0	H	118	314	4.18	1 / 1	17.23	21.41	0.138	33.01	-11.60
	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 1	17.23	21.42	0.139	33.01	-11.59
	$\pi/2$ BPSK	2555.0	H	112	312	4.15	1 / 80	17.13	21.27	0.134	33.01	-11.74
25 MHz	QPSK	2515.0	H	118	314	4.18	1 / 1	16.92	21.10	0.129	33.01	-11.91
	QPSK	2535.0	H	123	312	4.19	1 / 1	17.16	21.35	0.136	33.01	-11.66
	QPSK	2555.0	H	112	312	4.15	1 / 1	17.11	21.25	0.133	33.01	-11.76
	16-QAM	2535.0	H	123	312	4.19	1 / 1	16.11	20.30	0.107	33.01	-12.71
	$\pi/2$ BPSK	2512.5	H	118	314	4.17	1 / 66	16.95	21.12	0.129	33.01	-11.89
	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 1	17.24	21.43	0.139	33.01	-11.58
20 MHz	$\pi/2$ BPSK	2557.5	H	112	312	4.14	1 / 1	17.14	21.27	0.134	33.01	-11.74
	QPSK	2512.5	H	118	314	4.17	1 / 1	16.70	20.87	0.122	33.01	-12.14
	QPSK	2535.0	H	123	312	4.19	1 / 1	17.11	21.30	0.135	33.01	-11.71
	QPSK	2557.5	H	112	312	4.14	1 / 1	17.08	21.21	0.132	33.01	-11.80
	16-QAM	2535.0	H	123	312	4.19	1 / 1	16.18	20.37	0.109	33.01	-12.64
	$\pi/2$ BPSK	2510.0	H	118	314	4.17	1 / 1	17.05	21.22	0.132	33.01	-11.79
15 MHz	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 1	17.25	21.44	0.139	33.01	-11.57
	$\pi/2$ BPSK	2560.0	H	112	312	4.13	1 / 1	17.19	21.31	0.135	33.01	-11.70
	QPSK	2510.0	H	118	314	4.17	1 / 104	16.95	21.12	0.129	33.01	-11.89
	QPSK	2535.0	H	123	312	4.19	1 / 1	17.18	21.37	0.137	33.01	-11.64
	QPSK	2560.0	H	112	312	4.13	1 / 1	17.13	21.25	0.133	33.01	-11.76
	16-QAM	2535.0	H	123	312	4.19	1 / 104	16.07	20.26	0.106	33.01	-12.75
10 MHz	$\pi/2$ BPSK	2507.5	H	118	314	4.17	1 / 1	17.06	21.23	0.133	33.01	-11.78
	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 1	17.17	21.36	0.137	33.01	-11.65
	$\pi/2$ BPSK	2562.5	H	112	312	4.11	1 / 1	17.23	21.34	0.136	33.01	-11.67
	QPSK	2507.5	H	118	314	4.17	1 / 1	16.93	21.10	0.129	33.01	-11.91
	QPSK	2535.0	H	123	312	4.19	1 / 1	17.10	21.29	0.134	33.01	-11.72
	QPSK	2562.5	H	112	312	4.11	1 / 1	17.20	21.31	0.135	33.01	-11.70
5 MHz	16-QAM	2535.0	H	123	312	4.19	1 / 77	16.07	20.26	0.106	33.01	-12.75
	$\pi/2$ BPSK	2505.0	H	118	314	4.17	1 / 50	16.95	21.12	0.129	33.01	-11.89
	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 1	17.24	21.43	0.139	33.01	-11.58
	$\pi/2$ BPSK	2565.0	H	112	312	4.11	1 / 1	17.15	21.26	0.134	33.01	-11.75
	QPSK	2505.0	H	118	314	4.17	1 / 50	16.75	20.92	0.124	33.01	-12.09
	QPSK	2535.0	H	123	312	4.19	1 / 1	17.17	21.36	0.137	33.01	-11.65
50 MHz	QPSK	2565.0	H	112	312	4.11	1 / 26	17.12	21.23	0.133	33.01	-11.78
	16-QAM	2535.0	H	123	312	4.19	1 / 1	16.01	20.20	0.105	33.01	-12.81
	$\pi/2$ BPSK	2502.5	H	118	314	4.17	1 / 1	16.97	21.14	0.130	33.01	-11.87
	$\pi/2$ BPSK	2535.0	H	123	312	4.19	1 / 23	17.32	21.51	0.141	33.01	-11.50
	$\pi/2$ BPSK	2567.5	H	112	312	4.11	1 / 12	17.23	21.34	0.136	33.01	-11.67
	QPSK	2502.5	H	118	314	4.17	1 / 12	16.78	20.95	0.124	33.01	-12.06
50 MHz	QPSK	2535.0	H	123	312	4.19	1 / 1	17.23	21.42	0.139	33.01	-11.59
	QPSK	2567.5	H	112	312	4.11	1 / 1	17.18	21.29	0.135	33.01	-11.72
	16-QAM	2535.0	H	123	312	4.19	1 / 23	16.09	20.28	0.107	33.01	-12.73
50 MHz	QPSK (CP-OFDM)	2545.0	H	112	312	4.19	1 / 1	15.99	20.18	0.104	33.01	-12.83
	QPSK (Opposite Pol.)	2545.0	V	112	306	4.13	1 / 135	15.45	19.58	0.091	33.01	-13.43
	QPSK (WCP)	2545.0	H	129	36	4.19	1 / 1	14.84	19.03	0.080	33.01	-13.98

Table 7-46. EIRP Data (NR Band n7) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 210 of 252

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	11/2 BPSK	2546.01	H	153	324	4.19	1 / 271	22.31	26.50	0.447	33.01	-6.51
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 136	22.86	26.86	0.485	33.01	-6.15
	11/2 BPSK	2640.00	H	136	331	4.31	1 / 1	21.79	26.10	0.408	33.01	-6.91
	QPSK	2546.01	H	153	324	4.19	1 / 271	22.24	26.43	0.440	33.01	-6.58
	QPSK	2592.99	H	143	325	4.00	1 / 136	22.88	26.88	0.487	33.01	-6.13
	QPSK	2640.00	H	136	331	4.31	1 / 1	21.98	26.29	0.426	33.01	-6.72
	16-QAM	2592.99	H	143	325	4.00	1 / 136	21.68	25.68	0.370	33.01	-7.33
	11/2 BPSK	2541.00	H	153	324	4.19	1 / 243	22.10	26.29	0.426	33.01	-6.72
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 243	22.82	26.82	0.481	33.01	-6.19
	11/2 BPSK	2644.98	H	136	331	4.36	1 / 1	21.45	25.80	0.380	33.01	-7.21
90 MHz	QPSK	2541.00	H	153	324	4.19	1 / 243	22.15	26.34	0.431	33.01	-6.67
	QPSK	2592.99	H	143	325	4.00	1 / 243	22.79	26.79	0.477	33.01	-6.22
	QPSK	2644.98	H	136	331	4.36	1 / 122	21.93	26.28	0.425	33.01	-6.73
	16-QAM	2592.99	H	143	325	4.00	1 / 243	21.73	25.73	0.374	33.01	-7.28
	11/2 BPSK	2536.02	H	153	324	4.19	1 / 215	22.14	26.33	0.430	33.01	-6.68
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 215	22.83	26.83	0.482	33.01	-6.18
	11/2 BPSK	2649.99	H	136	331	4.40	1 / 1	21.57	25.97	0.396	33.01	-7.04
	QPSK	2536.02	H	153	324	4.19	1 / 1	22.27	26.46	0.443	33.01	-6.55
	QPSK	2592.99	H	143	325	4.00	1 / 215	22.75	26.75	0.473	33.01	-6.26
	QPSK	2649.99	H	136	331	4.40	1 / 1	21.97	26.37	0.434	33.01	-6.64
80 MHz	16-QAM	2592.99	H	143	325	4.00	1 / 1	21.74	25.74	0.375	33.01	-7.27
	11/2 BPSK	2531.01	H	153	324	4.18	1 / 1	22.43	26.61	0.458	33.01	-6.40
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 1	23.14	27.14	0.517	33.01	-5.87
	11/2 BPSK	2655.00	H	136	331	4.42	1 / 1	21.80	26.21	0.418	33.01	-6.80
	QPSK	2531.01	H	153	324	4.18	1 / 1	22.44	26.62	0.459	33.01	-6.39
	QPSK	2592.99	H	143	325	4.00	1 / 1	23.01	27.01	0.502	33.01	-6.00
	QPSK	2655.00	H	136	331	4.42	1 / 1	22.17	26.58	0.455	33.01	-6.43
	16-QAM	2592.99	H	143	325	4.00	1 / 1	22.02	26.02	0.400	33.01	-6.99
	11/2 BPSK	2526.00	H	153	324	4.18	1 / 1	22.17	26.35	0.432	33.01	-6.66
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 1	22.86	26.86	0.485	33.01	-6.15
70 MHz	11/2 BPSK	2659.98	H	136	331	4.43	1 / 1	21.49	25.92	0.391	33.01	-7.09
	QPSK	2526.00	H	153	324	4.18	1 / 1	22.20	26.38	0.435	33.01	-6.63
	QPSK	2592.99	H	143	325	4.00	1 / 1	22.82	26.82	0.481	33.01	-6.19
	QPSK	2659.98	H	136	331	4.43	1 / 1	21.94	26.37	0.434	33.01	-6.64
	16-QAM	2592.99	H	143	325	4.00	1 / 1	21.60	25.60	0.363	33.01	-7.41
	11/2 BPSK	2521.02	H	153	324	4.18	1 / 1	22.38	26.56	0.453	33.01	-6.45
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 1	23.00	27.00	0.501	33.01	-6.01
	11/2 BPSK	2664.99	H	136	331	4.45	1 / 1	21.61	26.06	0.404	33.01	-6.95
	QPSK	2521.02	H	153	324	4.18	1 / 1	22.41	26.59	0.456	33.01	-6.42
	QPSK	2592.99	H	143	325	4.00	1 / 1	22.94	26.94	0.494	33.01	-6.07
60 MHz	QPSK	2664.99	H	136	331	4.45	1 / 1	22.06	26.51	0.448	33.01	-6.50
	16-QAM	2592.99	H	143	325	4.00	1 / 1	21.88	25.88	0.387	33.01	-7.13
	11/2 BPSK	2518.50	H	153	324	4.18	1 / 1	21.67	25.85	0.385	33.01	-7.16
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 1	22.28	26.28	0.425	33.01	-6.73
	11/2 BPSK	2667.50	H	136	331	4.47	1 / 1	20.93	25.39	0.346	33.01	-7.62
	QPSK	2518.50	H	153	324	4.18	1 / 1	21.76	25.94	0.393	33.01	-7.07
	QPSK	2592.99	H	143	325	4.00	1 / 1	22.25	26.25	0.422	33.01	-6.76
	QPSK	2667.50	H	136	331	4.47	1 / 1	21.38	25.84	0.384	33.01	-7.17
	16-QAM	2592.99	H	143	325	4.00	1 / 1	21.16	25.16	0.328	33.01	-7.85
	11/2 BPSK	2516.01	H	153	324	4.18	1 / 1	22.17	26.34	0.431	33.01	-6.67
50 MHz	11/2 BPSK	2592.99	H	143	325	4.00	1 / 1	22.75	26.75	0.473	33.01	-6.26
	11/2 BPSK	2670.00	H	136	331	4.48	1 / 1	21.33	25.81	0.381	33.01	-7.20
	QPSK	2516.01	H	153	324	4.18	1 / 1	22.25	26.42	0.439	33.01	-6.59
	QPSK	2592.99	H	143	325	4.00	1 / 1	22.76	26.76	0.474	33.01	-6.25
	QPSK	2670.00	H	136	331	4.48	1 / 1	21.83	26.31	0.428	33.01	-6.70
	16-QAM	2592.99	H	143	325	4.00	1 / 1	21.59	25.59	0.362	33.01	-7.42
	11/2 BPSK	2513.50	H	153	324	4.17	1 / 1	17.73	21.90	0.155	33.01	-11.11
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 1	18.30	22.30	0.170	33.01	-10.71
	11/2 BPSK	2672.50	H	136	331	4.50	1 / 90	16.80	21.30	0.135	33.01	-11.71
	QPSK	2513.50	H	153	324	4.17	1 / 1	17.84	22.01	0.159	33.01	-11.00
45 MHz	QPSK	2592.99	H	143	325	4.00	1 / 1	18.29	22.29	0.169	33.01	-10.72
	QPSK	2672.50	H	136	331	4.50	1 / 1	17.28	21.78	0.151	33.01	-11.23
	16-QAM	2592.99	H	143	325	4.00	1 / 1	17.22	21.22	0.132	33.01	-11.79
	11/2 BPSK	2511.00	H	153	324	4.17	1 / 1	22.41	26.58	0.455	33.01	-6.43
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 1	22.94	26.94	0.494	33.01	-6.07
	11/2 BPSK	2674.98	H	136	331	4.50	1 / 1	21.50	26.00	0.398	33.01	-7.01
	QPSK	2511.00	H	153	324	4.17	1 / 1	22.38	26.55	0.452	33.01	-6.46
	QPSK	2592.99	H	143	325	4.00	1 / 76	22.84	26.84	0.483	33.01	-6.17
	QPSK	2674.98	H	136	331	4.50	1 / 1	21.91	26.41	0.438	33.01	-6.60
	16-QAM	2592.99	H	143	325	4.00	1 / 76	21.78	25.78	0.378	33.01	-7.23
40 MHz	11/2 BPSK	2508.50	H	153	324	4.17	1 / 1	22.30	26.47	0.444	33.01	-6.54
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 63	22.90	26.90	0.490	33.01	-6.11
	11/2 BPSK	2677.50	H	136	331	4.50	1 / 1	21.44	25.94	0.393	33.01	-7.07
	QPSK	2508.50	H	153	324	4.17	1 / 1	22.42	26.59	0.456	33.01	-6.42
	QPSK	2592.99	H	143	325	4.00	1 / 63	22.93	26.93	0.493	33.01	-6.08
	QPSK	2677.50	H	136	331	4.50	1 / 1	21.94	26.44	0.441	33.01	-6.57
	16-QAM	2592.99	H	143	325	4.00	1 / 63	21.79	25.79	0.379	33.01	-7.22
	11/2 BPSK	2506.02	H	153	324	4.17	1 / 49	22.17	26.34	0.431	33.01	-6.67
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 49	23.01	27.01	0.502	33.01	-6.00
	11/2 BPSK	2679.99	H	136	331	4.50	1 / 49	21.30	25.80	0.380	33.01	-7.21
35 MHz	QPSK	2506.02	H	153	324	4.17	1 / 49	22.27	26.44	0.441	33.01	-6.57
	QPSK	2592.99	H	143	325	4.00	1 / 25	22.89	26.89	0.489	33.01	-6.12
	QPSK	2679.99	H	136	331	4.50	1 / 25	21.78	26.28	0.425	33.01	-6.73
	16-QAM	2592.99	H	143	325	4.00	1 / 25	21.76	25.76	0.377	33.01	-7.25
	11/2 BPSK	2503.50	H	153	324	4.17	1 / 1	22.32	26.49	0.446	33.01	-6.52
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 1	22.91	26.91	0.491	33.01	-6.10
	11/2 BPSK	2682.50	H	136	331	4.50	1 / 36	21.40	25.90	0.389	33.01	-7.11
	QPSK	2503.50	H	153	324	4.17	1 / 36	22.42	26.59	0.456	33.01	-6.42
	QPSK	2592.99	H	143	325	4.00	1 / 1	23.00	27.00	0.501	33.01	-6.01
	QPSK	2682.50	H	136	331	4.50	1 / 36	21.92	26.42	0.439	33.01	-6.59
30 MHz	16-QAM	2592.99	H	143	325	4.00	1 / 1	21.94	25.94	0.393	33.01	-7.07
	11/2 BPSK	2501.00	H	153	324	4.17	1 / 12	22.39	26.56	0.453	33.01	-6.45
	11/2 BPSK	2592.99	H	143	325	4.00	1 / 12	22.92	26.92	0.492	33.01	-6.09
	11/2 BPSK	2685.00	H	136	331	4.50	1 / 12	21.21	25.71	0.373	33.01	-7.30
	QPSK	2501.00	H	153	324	4.17	1 / 22	22.25	26.42	0.439	33.01	-6.59
	QPSK	2592.99	H	143	325	4.00	1 / 12	22.72	26.72	0.470	33.01	-6.29
	QPSK	2685.00	H	136	331	4.50	1 / 12	21.74	26.24	0.421	33.01	-6.77
	16-QAM	2592.99	H	143	325	4.00	1 / 12	21.71	25.71	0.371	33.01	-7.30
	QPSK (CP-OFDM)	2592.99	H	143	325	4.00	1 / 136	20.44	24.44	0.278	33.01	-8.61
	QPSK (Opposite Pol.)	2592.99	V	127	298	4.14	1 / 136	20.84				

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	V	123	296	4.36	1 / 49	16.48	20.84	0.121	23.98	-3.14
	16-QAM	2310.0	V	123	296	4.36	1 / 49	15.55	19.91	0.098	23.98	-4.07
5 MHz	QPSK	2307.5	V	123	296	4.37	1 / 0	16.55	20.91	0.123	23.98	-3.07
	QPSK	2310.0	V	123	296	4.36	1 / 0	16.48	20.84	0.121	23.98	-3.14
	QPSK	2312.5	V	123	296	4.36	1 / 0	16.65	21.01	0.126	23.98	-2.97
	16-QAM	2307.5	V	123	296	4.37	1 / 0	15.93	20.29	0.107	23.98	-3.69
	16-QAM	2310.0	V	123	296	4.36	1 / 0	15.64	20.00	0.100	23.98	-3.98
10 MHz	Opposite Pol.	2310.0	H	146	165	3.66	1 / 25	15.56	19.22	0.084	23.98	-4.76
	WCP	2310.0	V	231	233	4.36	1 / 0	15.17	19.53	0.090	23.98	-4.45

Table 7-48. EIRP Data (LTE Band 30) – Ant2

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2506.0	H	159	145	4.17	1 / 50	18.01	22.18	0.165	33.01	-10.83
	QPSK	2593.0	H	112	149	4.00	1 / 99	19.11	23.11	0.205	33.01	-9.90
	QPSK	2680.0	H	140	131	4.50	1 / 50	18.81	23.31	0.214	33.01	-9.70
	16-QAM	2506.0	H	159	145	4.17	1 / 50	16.87	21.04	0.127	33.01	-11.97
	16-QAM	2593.0	H	112	149	4.00	1 / 99	18.29	22.29	0.169	33.01	-10.72
	16-QAM	2680.0	H	140	131	4.50	1 / 50	17.86	22.36	0.172	33.01	-10.65
15 MHz	QPSK	2503.5	H	159	145	4.17	1 / 0	17.99	22.16	0.165	33.01	-10.85
	QPSK	2593.0	H	112	149	4.00	1 / 0	18.99	22.99	0.199	33.01	-10.02
	QPSK	2682.5	H	140	131	4.51	1 / 0	18.60	23.11	0.205	33.01	-9.90
	16-QAM	2682.5	H	140	131	4.51	1 / 0	17.87	22.38	0.173	33.01	-10.63
10 MHz	QPSK	2501.0	H	159	145	4.17	1 / 25	18.02	22.19	0.166	33.01	-10.82
	QPSK	2593.0	H	112	149	4.00	1 / 25	18.99	22.99	0.199	33.01	-10.02
	QPSK	2685.0	H	140	131	4.52	1 / 0	18.73	23.25	0.211	33.01	-9.76
	16-QAM	2593.0	H	112	149	4.00	1 / 25	18.35	22.35	0.172	33.01	-10.66
5 MHz	QPSK	2498.5	H	159	145	4.16	1 / 24	18.01	22.17	0.165	33.01	-10.84
	QPSK	2593.0	H	112	149	4.00	1 / 12	19.02	23.02	0.200	33.01	-9.99
	QPSK	2687.5	H	140	131	4.53	1 / 24	18.63	23.16	0.207	33.01	-9.85
	16-QAM	2593.0	H	112	149	4.00	1 / 12	18.41	22.41	0.174	33.01	-10.60
20 MHz	Opposite Pol.	2680.0	V	112	276	5.10	1 / 50	15.69	20.79	0.120	33.01	-12.22
	WCP	2680.0	H	143	196	4.50	1 / 99	16.18	20.68	0.117	33.01	-12.33

Table 7-49. EIRP Data (LTE Band 41(PC3)/38) – Ant2

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	2510.0	H	191	145	4.18	1 / 0	17.03	21.21	0.132	33.01	-11.80
	QPSK	2535.0	H	153	143	4.19	1 / 50	17.68	21.87	0.154	33.01	-11.14
	QPSK	2560.0	H	118	119	4.15	1 / 99	17.83	21.98	0.158	33.01	-11.03
	16-QAM	2560.0	H	118	119	4.15	1 / 99	16.96	21.11	0.129	33.01	-11.90
15 MHz	QPSK	2507.5	H	191	145	4.17	1 / 37	17.04	21.22	0.132	33.01	-11.79
	QPSK	2535.0	H	153	143	4.19	1 / 37	17.51	21.69	0.148	33.01	-11.32
	QPSK	2562.5	H	118	119	4.14	1 / 37	17.74	21.87	0.154	33.01	-11.14
	16-QAM	2562.5	H	118	119	4.14	1 / 37	16.77	20.91	0.123	33.01	-12.10
10 MHz	QPSK	2505.0	H	191	145	4.17	1 / 25	17.01	21.19	0.131	33.01	-11.82
	QPSK	2535.0	H	153	143	4.19	1 / 25	17.52	21.70	0.148	33.01	-11.31
	QPSK	2565.0	H	118	119	4.13	1 / 0	17.76	21.89	0.154	33.01	-11.12
	16-QAM	2565.0	H	118	119	4.13	1 / 0	16.92	21.04	0.127	33.01	-11.97
5 MHz	QPSK	2502.5	H	191	145	4.17	1 / 24	17.05	21.22	0.133	33.01	-11.79
	QPSK	2535.0	H	153	143	4.19	1 / 12	17.62	21.81	0.152	33.01	-11.20
	QPSK	2567.5	H	118	119	4.11	1 / 0	17.64	21.75	0.150	33.01	-11.26
	16-QAM	2567.5	H	118	119	4.11	1 / 0	16.80	20.91	0.123	33.01	-12.10
20 MHz	Opposite Pol.	2560.0	V	146	74	4.75	1 / 50	15.72	20.47	0.112	33.01	-12.54
	WCP	2560.0	H	150	269	4.15	1 / 50	15.39	19.54	0.090	33.01	-13.47

Table 7-50. EIRP Data (LTE Band 7) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 212 of 252

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	$\pi/2$ BPSK	2310.0	H	150	166	3.66	1 / 26	16.63	20.29	0.107	23.98	-3.69
	QPSK	2310.0	H	150	166	3.66	1 / 26	16.58	20.24	0.106	23.98	-3.74
	16-QAM	2310.0	H	150	166	3.66	1 / 26	15.64	19.30	0.085	23.98	-4.68
5 MHz	$\pi/2$ BPSK	2307.5	H	150	166	3.66	1 / 12	16.67	20.33	0.108	23.98	-3.65
	$\pi/2$ BPSK	2310.0	H	150	166	3.66	1 / 12	16.72	20.38	0.109	23.98	-3.60
	$\pi/2$ BPSK	2312.5	H	150	166	3.67	1 / 1	16.66	20.33	0.108	23.98	-3.65
	QPSK	2307.5	H	150	166	3.66	1 / 12	16.54	20.19	0.105	23.98	-3.79
	QPSK	2310.0	H	150	166	3.66	1 / 12	16.60	20.26	0.106	23.98	-3.72
	QPSK	2312.5	H	150	166	3.67	1 / 1	16.71	20.37	0.109	23.98	-3.61
	16-QAM	2307.5	H	150	166	3.66	1 / 12	15.74	19.39	0.087	23.98	-4.58
10 MHz	QPSK (CP-OFDM)	2310.0	H	150	166	3.66	1 / 26	15.30	18.96	0.079	23.98	-5.02
	Opposite Pol.	2310.0	V	120	256	4.36	1 / 1	15.48	19.84	0.096	23.98	-4.14
	WCP	2310.0	H	120	170	3.66	1 / 1	15.90	19.56	0.090	23.98	-4.42

Table 7-51. EIRP Data (NR Band n30) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 213 of 252

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]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
50 MHz	$\pi/2$ BPSK	2525.0	H	120	155	4.18	1 / 268	17.13	21.31	0.135	33.01	-11.70
	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 135	17.36	21.55	0.143	33.01	-11.46
	$\pi/2$ BPSK	2545.0	H	112	157	4.19	1 / 135	17.66	21.85	0.153	33.01	-11.16
	QPSK	2525.0	H	120	155	4.18	1 / 268	17.14	21.32	0.136	33.01	-11.69
	QPSK	2535.0	H	112	157	4.19	1 / 135	17.42	21.61	0.145	33.01	-11.40
	QPSK	2545.0	H	112	157	4.19	1 / 135	17.70	21.89	0.155	33.01	-11.12
40 MHz	16-QAM	2545.0	H	112	157	4.19	1 / 135	16.54	20.73	0.118	33.01	-12.28
	$\pi/2$ BPSK	2520.0	H	120	155	4.18	1 / 1	17.01	21.19	0.132	33.01	-11.82
	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 1	17.01	21.20	0.132	33.01	-11.81
	$\pi/2$ BPSK	2550.0	H	112	157	4.17	1 / 1	17.32	21.49	0.141	33.01	-11.52
	QPSK	2520.0	H	120	155	4.18	1 / 108	16.91	21.09	0.129	33.01	-11.92
	QPSK	2535.0	H	112	157	4.19	1 / 1	17.31	21.50	0.141	33.01	-11.51
35 MHz	QPSK	2550.0	H	112	157	4.17	1 / 1	17.45	21.62	0.145	33.01	-11.39
	16-QAM	2550.0	H	112	157	4.17	1 / 1	16.37	20.54	0.113	33.01	-12.47
	$\pi/2$ BPSK	2517.5	H	120	155	4.18	1 / 1	17.02	21.20	0.132	33.01	-11.81
	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 94	17.15	21.34	0.136	33.01	-11.67
	$\pi/2$ BPSK	2557.5	H	112	157	4.16	1 / 1	17.39	21.55	0.143	33.01	-11.46
	QPSK	2517.5	H	120	155	4.18	1 / 94	17.22	21.40	0.138	33.01	-11.61
30 MHz	QPSK	2535.0	H	112	157	4.19	1 / 1	17.11	21.30	0.135	33.01	-11.71
	QPSK	2557.5	H	112	157	4.16	1 / 1	17.50	21.66	0.147	33.01	-11.35
	16-QAM	2557.5	H	112	157	4.16	1 / 1	16.35	20.51	0.113	33.01	-12.50
	$\pi/2$ BPSK	2515.0	H	120	155	4.18	1 / 1	17.11	21.29	0.135	33.01	-11.72
	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 80	17.06	21.25	0.133	33.01	-11.76
	$\pi/2$ BPSK	2555.0	H	112	157	4.15	1 / 1	17.47	21.61	0.145	33.01	-11.40
25 MHz	QPSK	2515.0	H	120	155	4.18	1 / 1	16.96	21.14	0.130	33.01	-11.87
	QPSK	2535.0	H	112	157	4.19	1 / 80	17.10	21.29	0.134	33.01	-11.72
	QPSK	2555.0	H	112	157	4.15	1 / 1	17.38	21.52	0.142	33.01	-11.49
	16-QAM	2535.0	H	112	157	4.19	1 / 80	16.23	20.42	0.110	33.01	-12.59
	$\pi/2$ BPSK	2512.5	H	120	155	4.17	1 / 1	16.97	21.14	0.130	33.01	-11.87
	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 1	17.14	21.33	0.136	33.01	-11.68
20 MHz	$\pi/2$ BPSK	2557.5	H	112	157	4.14	1 / 1	17.41	21.54	0.143	33.01	-11.47
	QPSK	2512.5	H	120	155	4.17	1 / 1	16.91	21.08	0.128	33.01	-11.93
	QPSK	2535.0	H	112	157	4.19	128 / 0	17.03	21.22	0.132	33.01	-11.79
	QPSK	2557.5	H	112	157	4.14	1 / 1	17.55	21.68	0.147	33.01	-11.33
	16-QAM	2557.5	H	112	157	4.14	1 / 1	16.30	20.43	0.110	33.01	-12.58
	$\pi/2$ BPSK	2510.0	H	120	155	4.17	1 / 53	17.19	21.36	0.137	33.01	-11.65
15 MHz	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 53	17.03	21.22	0.132	33.01	-11.79
	$\pi/2$ BPSK	2560.0	H	112	157	4.13	1 / 53	17.30	21.42	0.139	33.01	-11.59
	QPSK	2510.0	H	120	155	4.17	1 / 104	17.14	21.31	0.135	33.01	-11.70
	QPSK	2535.0	H	112	157	4.19	1 / 1	17.24	21.43	0.139	33.01	-11.58
	QPSK	2560.0	H	112	157	4.13	1 / 53	17.51	21.63	0.146	33.01	-11.38
	16-QAM	2560.0	H	112	157	4.13	1 / 1	16.30	20.42	0.110	33.01	-12.59
10 MHz	$\pi/2$ BPSK	2507.5	H	120	155	4.17	1 / 77	16.93	21.10	0.129	33.01	-11.91
	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 1	17.15	21.34	0.136	33.01	-11.67
	$\pi/2$ BPSK	2562.5	H	112	157	4.11	1 / 1	17.49	21.60	0.145	33.01	-11.41
	QPSK	2507.5	H	120	155	4.17	1 / 77	17.06	21.23	0.133	33.01	-11.78
	QPSK	2535.0	H	112	157	4.19	1 / 1	17.14	21.33	0.136	33.01	-11.68
	QPSK	2562.5	H	112	157	4.11	1 / 77	17.53	21.64	0.146	33.01	-11.37
5 MHz	16-QAM	2562.5	H	112	157	4.11	1 / 77	16.30	20.41	0.110	33.01	-12.60
	$\pi/2$ BPSK	2505.0	H	120	155	4.17	1 / 26	17.16	21.33	0.136	33.01	-11.68
	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 1	17.13	21.32	0.135	33.01	-11.69
	$\pi/2$ BPSK	2565.0	H	112	157	4.11	1 / 1	17.43	21.54	0.143	33.01	-11.47
	QPSK	2505.0	H	120	155	4.17	1 / 1	16.99	21.16	0.131	33.01	-11.85
	QPSK	2535.0	H	112	157	4.19	1 / 1	17.25	21.44	0.139	33.01	-11.57
50MHz	QPSK	2565.0	H	112	157	4.11	50 / 0	17.48	21.59	0.144	33.01	-11.42
	16-QAM	2565.0	H	112	157	4.11	50 / 0	16.26	20.37	0.109	33.01	-12.64
	$\pi/2$ BPSK	2502.5	H	120	155	4.17	1 / 1	17.17	21.34	0.136	33.01	-11.67
	$\pi/2$ BPSK	2535.0	H	112	157	4.19	1 / 1	17.23	21.42	0.139	33.01	-11.59
	$\pi/2$ BPSK	2567.5	H	112	157	4.11	1 / 12	17.55	21.66	0.147	33.01	-11.35
	QPSK	2502.5	H	120	155	4.17	1 / 12	17.22	21.39	0.138	33.01	-11.62
50MHz	QPSK	2535.0	H	112	157	4.19	1 / 1	17.29	21.48	0.140	33.01	-11.53
	QPSK	2567.5	H	112	157	4.11	1 / 23	17.68	21.79	0.151	33.01	-11.22
	16-QAM	2567.5	H	112	157	4.11	1 / 23	16.29	20.40	0.110	33.01	-12.61
50MHz	QPSK (CP-OFDM)	2545.0	H	112	157	4.19	1 / 135	16.56	20.75	0.119	33.01	-12.26
	QPSK (Opposite Pol.)	2545.0	V	169	88	4.13	1 / 135	15.87	20.00	0.100	33.01	-13.01
	QPSK (WCP)	2545.0	H	146	202	4.19	1 / 1	16.14	20.33	0.108	33.01	-12.68

Table 7-52. EIRP Data (NR Band n7) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 214 of 252

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 = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 215 of 252

Test Setup

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

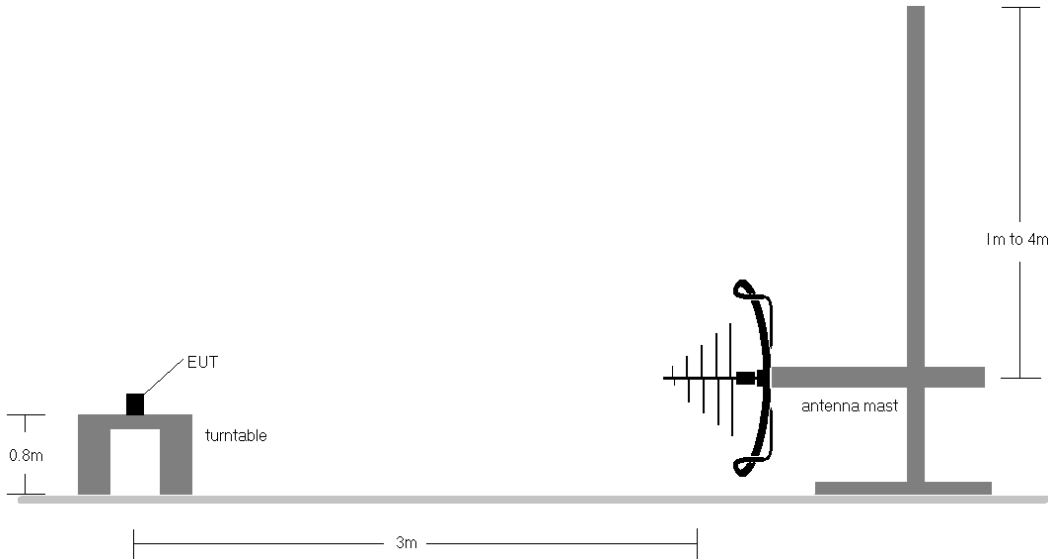


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

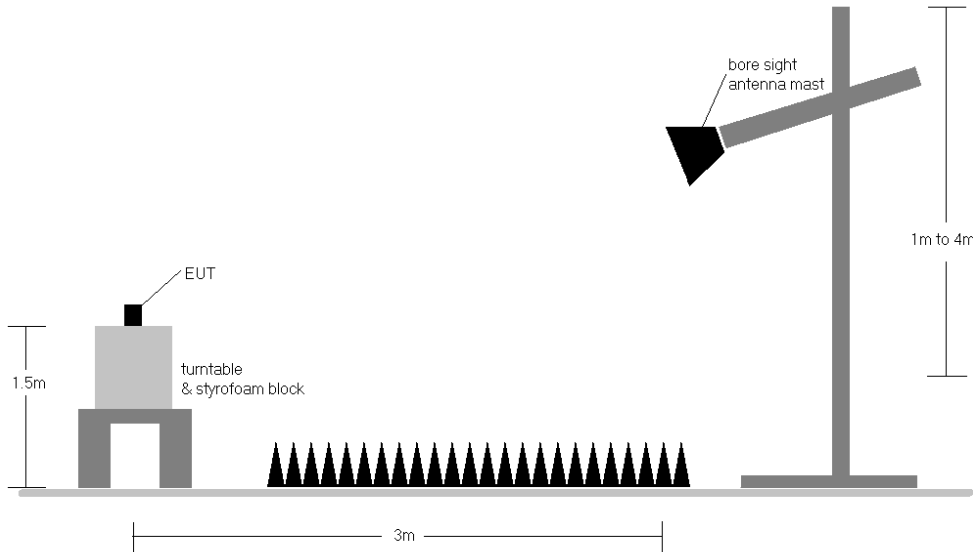


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

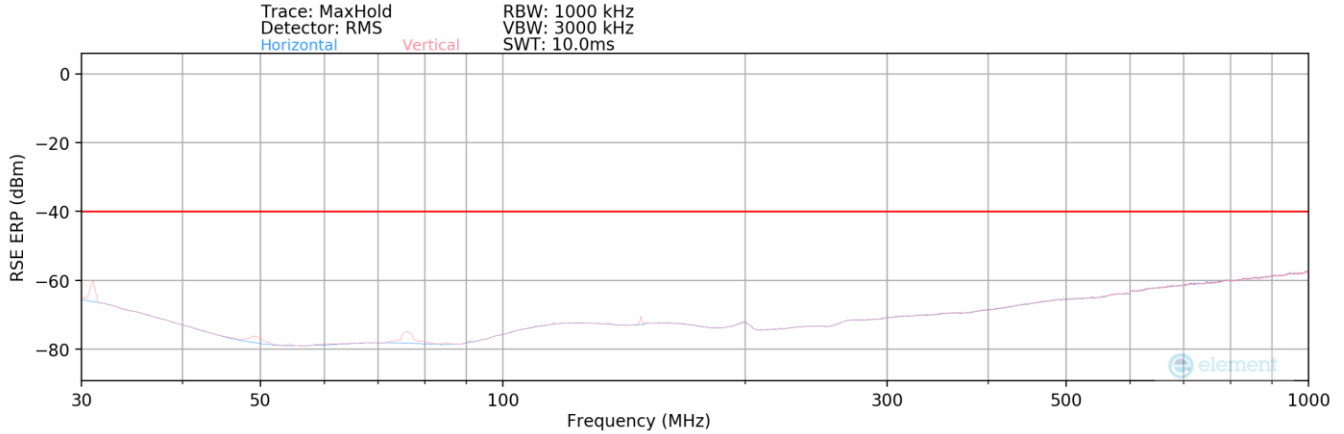
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 216 of 252

Test Notes

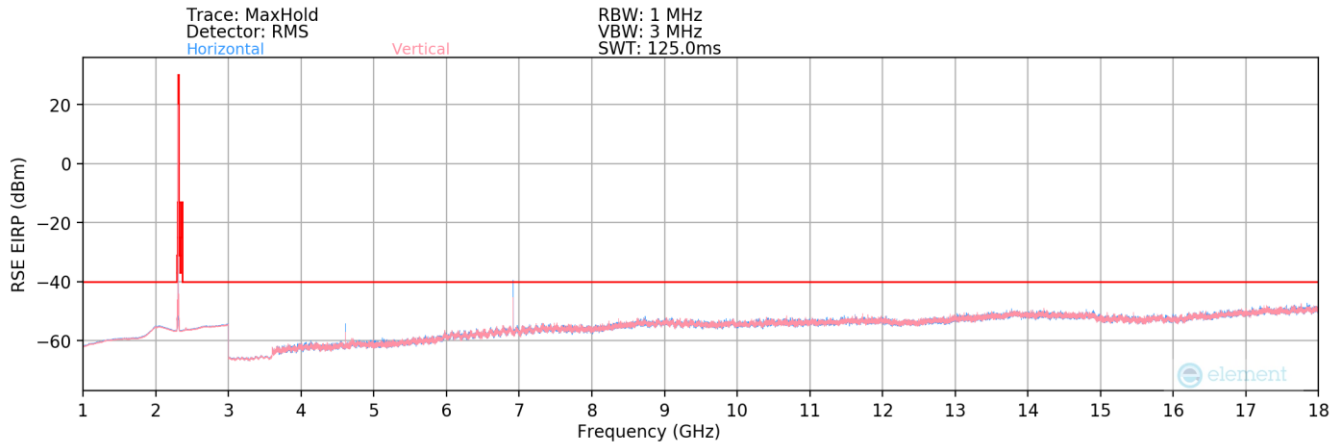
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26:2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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 emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case. 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.
- 9) Only the highest target power SRS-1 antenna for n41 default (Antenna F) and n41 switching (Antenna B) are reported for the overall n41 SRS worst case.

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 217 of 252

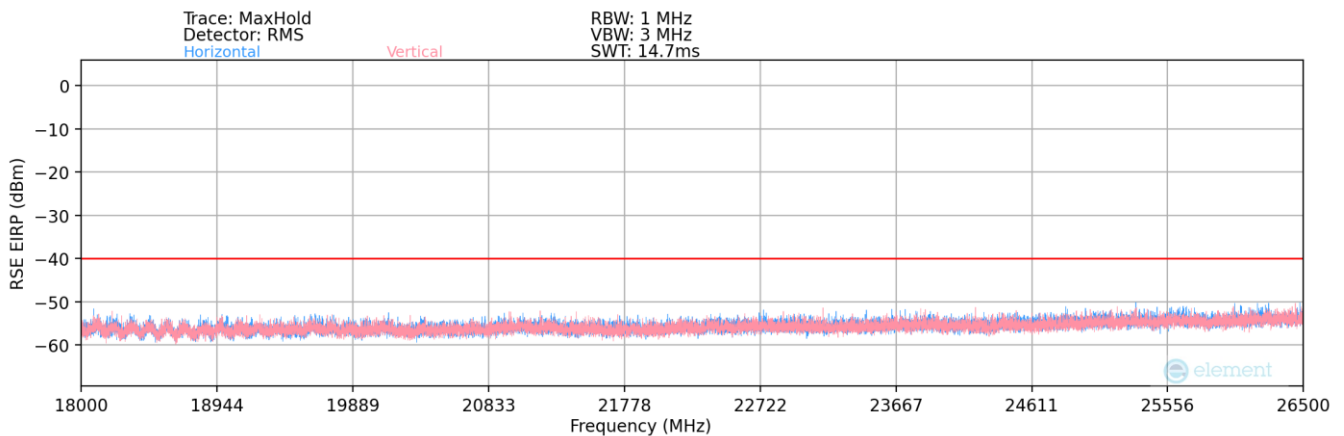
LTE Band 30 – Ant1



Plot 7-277. Radiated Spurious Plot (LTE Band 30) – Ant1



Plot 7-278. Radiated Spurious Plot (LTE Band 30) – Ant1



Plot 7-279. Radiated Spurious Plot (LTE Band 30) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 218 of 252

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

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]
134.28	H	151	74	-81.16	20.13	45.97	-51.44	-40.00	-11.44
720.00	H	209	283	-83.01	29.20	53.19	-44.22	-40.00	-4.22

Table 7-53. Radiated Spurious Data (LTE Band 30) – Ant1

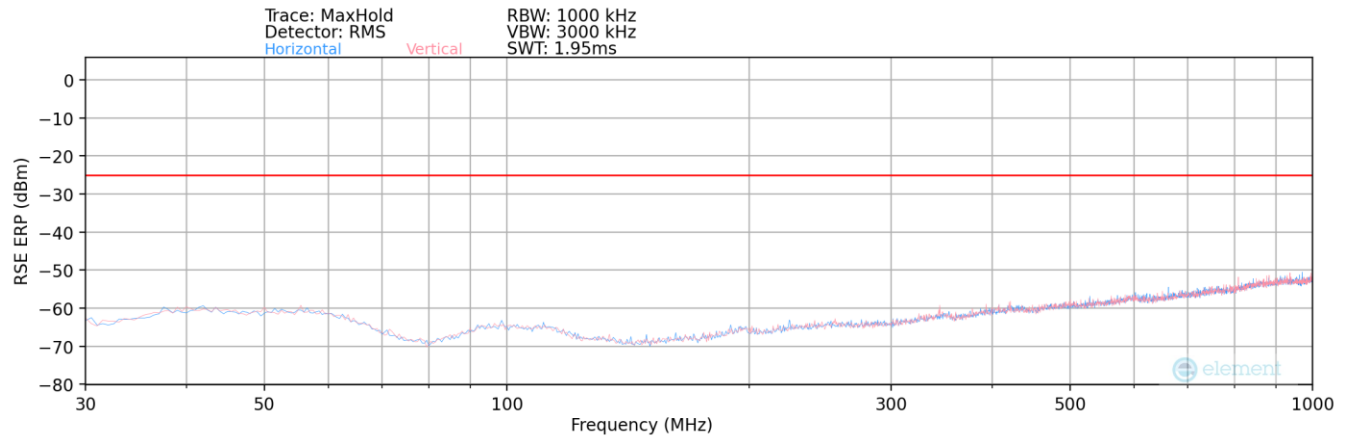
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 25

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]
4620.00	H	150	344	-69.84	2.76	39.92	-55.33	-40.00	-15.33
6930.00	H	161	15	-76.27	8.37	39.10	-56.15	-40.00	-16.15
9240.00	H	-	-	-79.63	11.10	38.47	-56.79	-40.00	-16.79
11550.00	H	-	-	-80.90	13.21	39.31	-55.95	-40.00	-15.95
13860.00	H	-	-	-81.60	16.48	41.88	-53.37	-40.00	-13.37

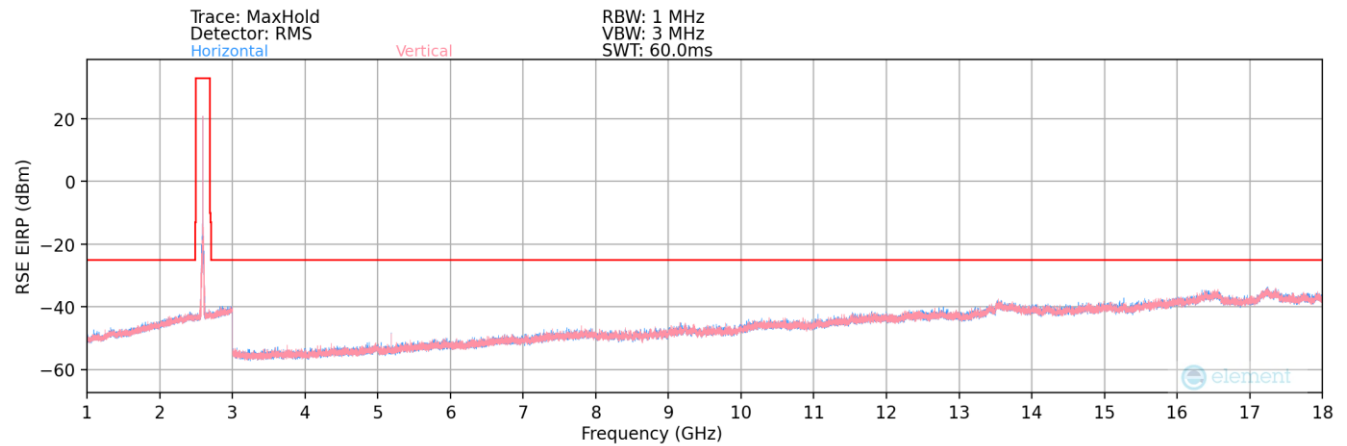
Table 7-54. Radiated Spurious Data (LTE Band 30 – Mid Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 219 of 252

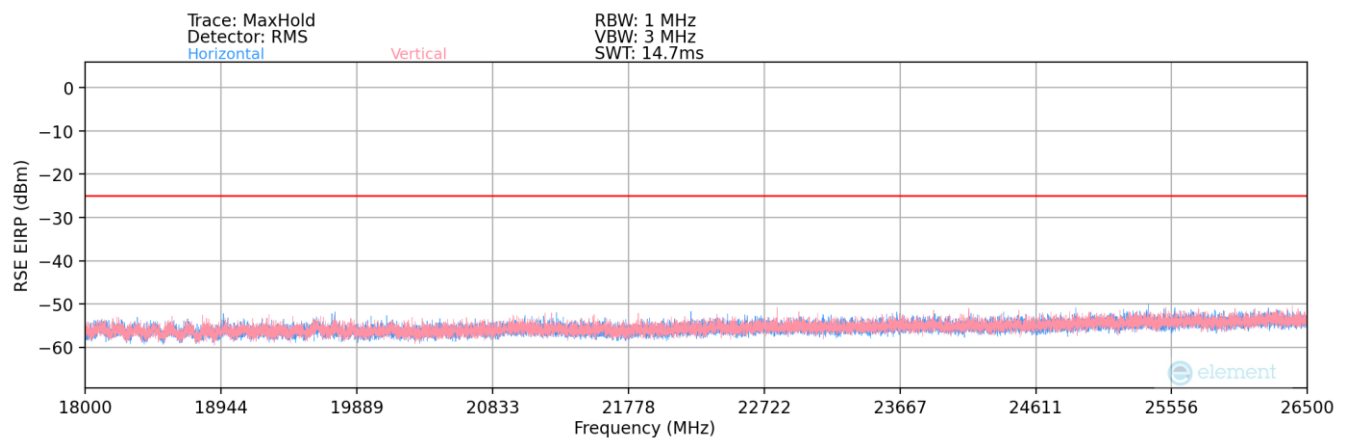
LTE Band 41(PC3)/38 – Ant1



Plot 7-280. Radiated Spurious Plot (LTE Band 41(PC3)/38) – Ant1



Plot 7-281. Radiated Spurious Plot (LTE Band 41(PC3)/38) – Ant1



Plot 7-282. Radiated Spurious Plot (LTE Band 41(PC3)/38) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 220 of 252

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / 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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
330.00	V	369	10	-65.89	-10.00	31.11	-66.29	-25.00	-41.29
800.00	V	283	352	-67.49	-1.86	37.65	-59.76	-25.00	-34.76

Table 7-55. Radiated Spurious Data (LTE Band 41(PC3)/38) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
RB / 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]
5012.00	V	156	204	-68.59	10.12	48.53	-46.73	-25.00	-21.73
7518.00	V	114	197	-63.46	15.55	59.09	-36.17	-25.00	-11.17
10024.00	V	-	-	-71.22	18.98	54.76	-40.50	-25.00	-15.50
12530.00	V	-	-	-71.85	23.53	58.68	-36.58	-25.00	-11.58
15036.00	V	-	-	-72.83	26.63	60.80	-34.45	-25.00	-9.45

Table 7-56. Radiated Spurious Data (LTE Band 41(PC3)/38 – Low Channel) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / 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]
5186.00	V	258	204	-64.52	10.38	52.86	-42.40	-25.00	-17.40
7779.00	V	356	151	-68.37	15.44	54.07	-41.18	-25.00	-16.18
10372.00	V	-	-	-70.80	19.53	55.73	-39.53	-25.00	-14.53
12965.00	V	-	-	-72.23	24.45	59.22	-36.04	-25.00	-11.04
15558.00	V	-	-	-73.29	28.35	62.06	-33.20	-25.00	-8.20

Table 7-57. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
RB / 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]
5360.00	V	123	338	-67.29	10.79	50.50	-44.76	-25.00	-19.76
8040.00	V	149	234	-69.97	16.08	53.11	-42.15	-25.00	-17.15
10720.00	V	-	-	-72.02	20.23	55.21	-40.04	-25.00	-15.04
13400.00	V	-	-	-72.48	24.88	59.40	-35.85	-25.00	-10.85
16080.00	V	-	-	-72.59	28.30	62.71	-32.55	-25.00	-7.55

Table 7-58. Radiated Spurious Data (LTE Band 41(PC3)/38 – High Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-09.A3L	Test Dates: 09/02/2025 - 10/10/2025	EUT Type: Portable Handset	Page 221 of 252