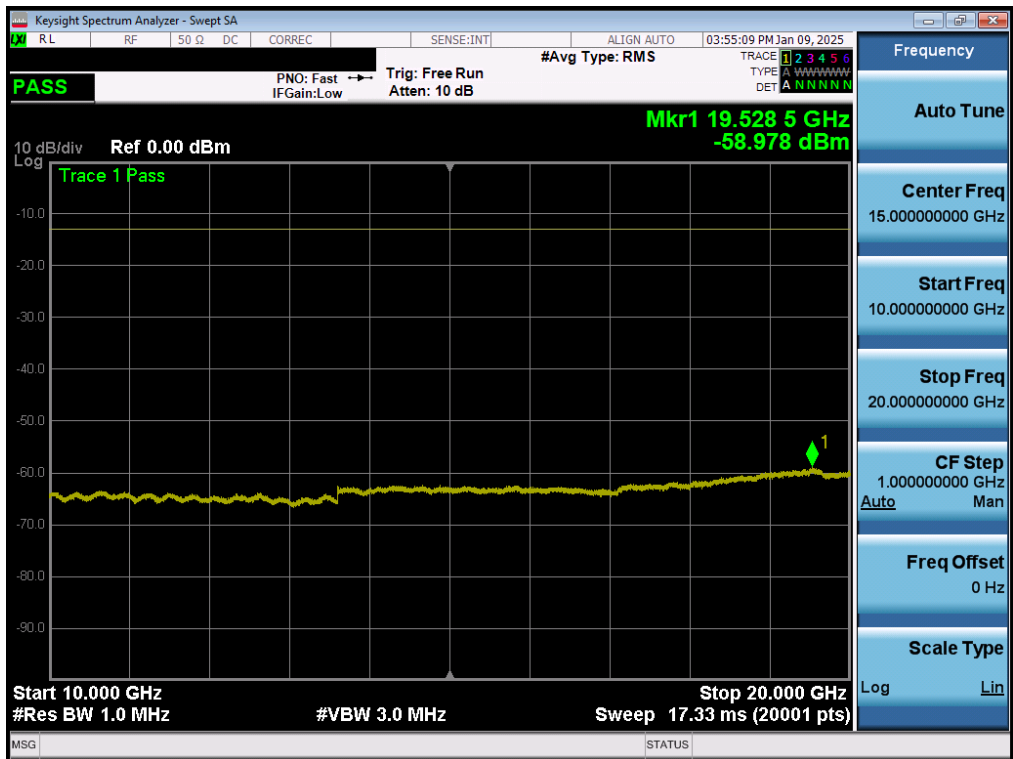
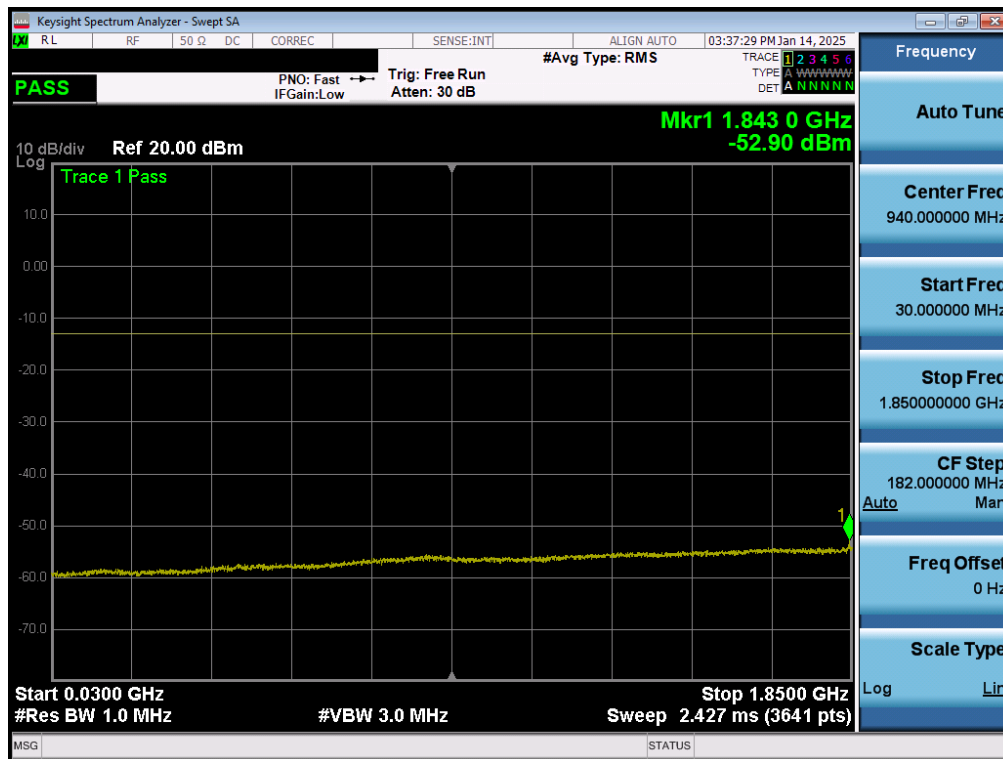




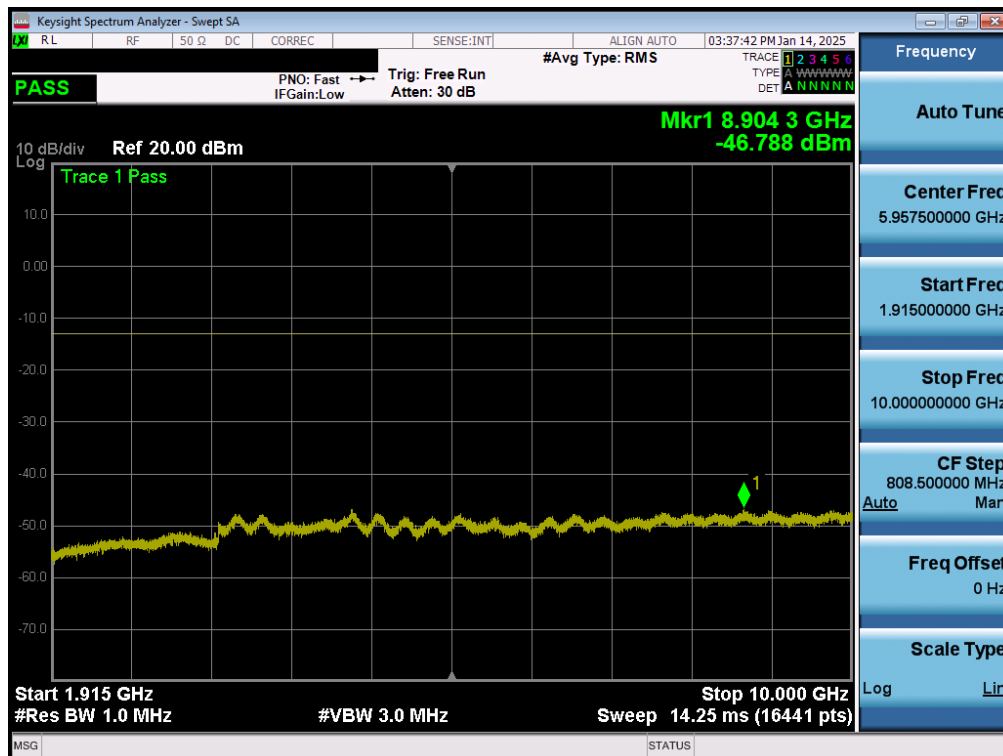
Plot 7-90. Conducted Spurious Plot (NR Band n25/2 - 40.0MHz - 1RB - Low Channel - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 69 of 133

NR Band n25/2 – Ant 4

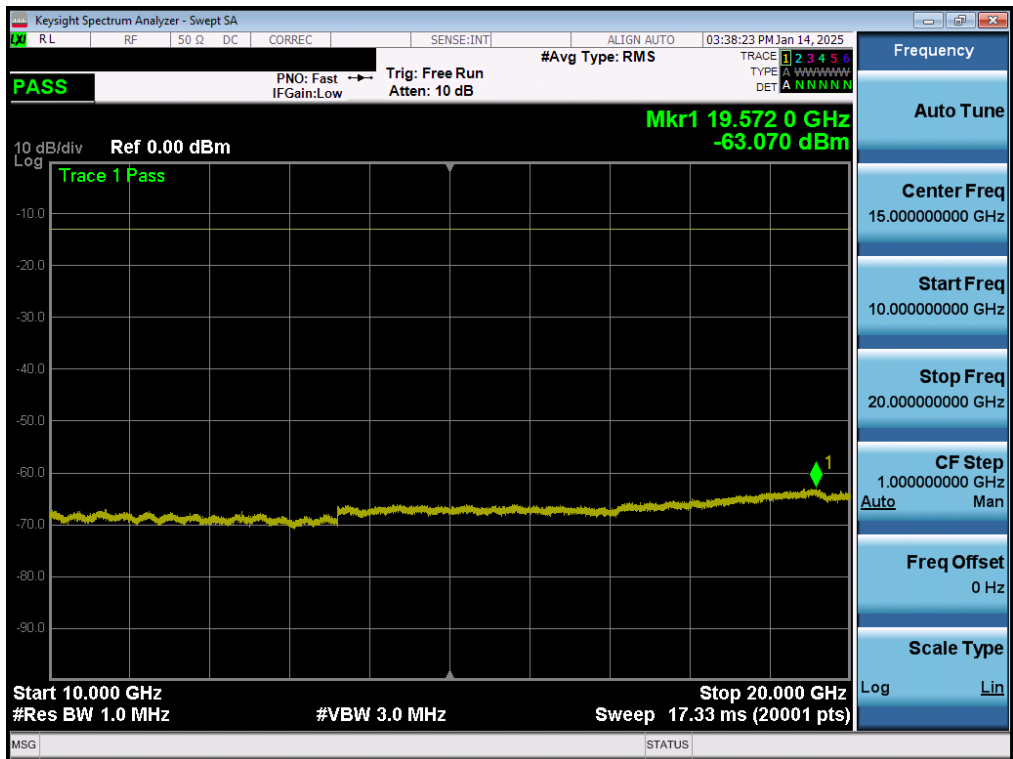


Plot 7-91. Conducted Spurious Plot (NR Band n25/2 - 40.0MHz - 1RB - Mid Channel - Ant 4)



Plot 7-92. Conducted Spurious Plot (NR Band n25/2 - 40.0MHz - 1RB - Mid Channel - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 70 of 133



Plot 7-93. Conducted Spurious Plot (NR Band n25/2 - 40.0MHz - 1RB - Mid Channel - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 71 of 133

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 of any spurious emission is $43 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

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.

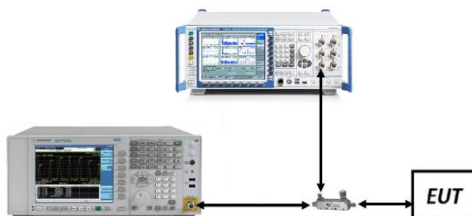


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 72 of 133

Test Notes

1. Per 24.238(b) and RSS-133(6.5), in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed to demonstrate compliance with the out-of-band emissions limit. 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 emission 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.

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 73 of 133

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-PCS	250kHz	Low	Band Edge	-17.88	-13	-4.88
		Low	Extended	-46.30	-13	-33.30
		High	Band Edge	-17.77	-13	-4.77
		High	Extended	-44.86	-13	-31.86
WCDMA-PCS	5MHz	Low	Band Edge	-21.87	-13	-8.87
		Low	Extended	-14.45	-13	-1.45
		High	Band Edge	-22.47	-13	-9.47
		High	Extended	-15.39	-13	-2.39
LTE-B25-2	20MHz	Low	Band Edge	-34.75	-13	-21.75
		Low	Extended	-31.01	-13	-18.01
		High [B2]	Band Edge	-38.03	-13	-25.03
		High [B25]	Band Edge	-37.82	-13	-24.82
		High [B2]	Extended	-33.16	-13	-20.16
		High [B25]	Extended	-34.21	-13	-21.21
	15MHz	Low	Band Edge	-32.97	-13	-19.97
		Low	Extended	-30.66	-13	-17.66
		High [B2]	Band Edge	-35.50	-13	-22.50
		High [B25]	Band Edge	-36.21	-13	-23.21
		High [B2]	Extended	-31.68	-13	-18.68
		High [B25]	Extended	-30.19	-13	-17.19
	10MHz	Low	Band Edge	-30.07	-13	-17.07
		Low	Extended	-25.25	-13	-12.25
		High [B2]	Band Edge	-31.51	-13	-18.51
		High [B25]	Band Edge	-32.62	-13	-19.62
		High [B2]	Extended	-32.25	-13	-19.25
		High [B25]	Extended	-26.05	-13	-13.05
	5MHz	Low	Band Edge	-26.68	-13	-13.68
		Low	Extended	-29.29	-13	-16.29
		High [B2]	Band Edge	-27.78	-13	-14.78
		High [B25]	Band Edge	-28.02	-13	-15.02
		High [B2]	Extended	-30.60	-13	-17.60
		High [B25]	Extended	-30.74	-13	-17.74
	3MHz	Low	Band Edge	-25.24	-13	-12.24
		Low	Extended	-32.92	-13	-19.92
		High [B2]	Band Edge	-26.80	-13	-13.80
		High [B25]	Band Edge	-27.20	-13	-14.20
		High [B2]	Extended	-33.67	-13	-20.67
		High [B25]	Extended	-32.21	-13	-19.21
	1.4MHz	Low	Band Edge	-26.67	-13	-13.67
		Low	Extended	-29.23	-13	-16.23
		High [B2]	Band Edge	-26.69	-13	-13.69
		High [B25]	Band Edge	-26.65	-13	-13.65
		High [B2]	Extended	-30.36	-13	-17.36
		High [B25]	Extended	-30.10	-13	-17.10

Table 7-12. Conducted Band Edge Test Results - Ant 2

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 74 of 133

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n25-2	40MHz	Low	Band Edge	-26.57	-13	-13.56
		Low	Extended	-29.14	-13	-16.14
		High [n25]	Band Edge	-27.84	-13	-14.84
		High [n25]	Extended	-31.63	-13	-18.63
	35MHz	Low	Band Edge	-29.61	-13	-16.61
		Low	Extended	-28.43	-13	-15.43
		High [n25]	Band Edge	-31.20	-13	-18.20
		High [n25]	Extended	-30.43	-13	-17.43
	30MHz	Low	Band Edge	-29.77	-13	-16.77
		Low	Extended	-27.78	-13	-14.78
		High [n25]	Band Edge	-33.73	-13	-20.73
		High [n25]	Extended	-30.41	-13	-17.41
	25MHz	Low	Band Edge	-29.18	-13	-16.18
		Low	Extended	-26.28	-13	-13.28
		High [n25]	Band Edge	-32.42	-13	-19.42
		High [n25]	Extended	-28.21	-13	-15.21
	20MHz	Low	Band Edge	-29.86	-13	-16.86
		Low	Extended	-24.23	-13	-11.23
		High [n2]	Band Edge	-27.29	-13	-14.29
		High [n25]	Band Edge	-28.83	-13	-15.83
		High [n2]	Extended	-26.25	-13	-13.25
		High [n25]	Extended	-26.67	-13	-13.67
	15MHz	Low	Band Edge	-21.14	-13	-8.14
		Low	Extended	-21.46	-13	-8.46
		High [n2]	Band Edge	-26.63	-13	-13.63
		High [n25]	Band Edge	-27.06	-13	-14.06
		High [n2]	Extended	-22.53	-13	-9.53
		High [n25]	Extended	-23.25	-13	-10.25
	10MHz	Low	Band Edge	-26.19	-13	-13.19
		Low	Extended	-17.41	-13	-4.41
		High [n2]	Band Edge	-28.17	-13	-15.17
		High [n25]	Band Edge	-27.06	-13	-14.06
		High [n2]	Extended	-18.76	-13	-5.76
		High [n25]	Extended	-18.80	-13	-5.80
	5MHz	Low	Band Edge	-23.37	-13	-10.37
		Low	Extended	-23.67	-13	-10.67
		High [n2]	Band Edge	-23.33	-13	-10.33
		High [n25]	Band Edge	-23.51	-13	-10.51
		High [n2]	Extended	-27.88	-13	-14.88
		High [n25]	Extended	-27.82	-13	-14.82

Table 7-13. Conducted Band Edge Test Results - Ant 2

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 75 of 133

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE-B25-2	20MHz	Low	Band Edge	-34.20	-13	-21.20
		Low	Extended	-30.48	-13	-17.48
		High [B2]	Band Edge	-34.42	-13	-21.42
		High [B25]	Band Edge	-35.24	-13	-22.24
		High [B2]	Extended	-31.99	-13	-18.99
		High [B25]	Extended	-33.00	-13	-20.00
	15MHz	Low	Band Edge	-33.94	-13	-20.94
		Low	Extended	-29.59	-13	-16.59
		High [B2]	Band Edge	-34.62	-13	-21.62
		High [B25]	Band Edge	-34.38	-13	-21.38
		High [B2]	Extended	-30.77	-13	-17.77
		High [B25]	Extended	-31.12	-13	-18.12
	10MHz	Low	Band Edge	-29.58	-13	-16.58
		Low	Extended	-24.81	-13	-11.81
		High [B2]	Band Edge	-32.33	-13	-19.33
		High [B25]	Band Edge	-32.89	-13	-19.89
		High [B2]	Extended	-25.97	-13	-12.97
		High [B25]	Extended	-26.15	-13	-13.15
	5MHz	Low	Band Edge	-27.84	-13	-14.84
		Low	Extended	-28.09	-13	-15.09
		High [B2]	Band Edge	-27.69	-13	-14.69
		High [B25]	Band Edge	-27.30	-13	-14.30
		High [B2]	Extended	-14.21	-13	-1.21
		High [B25]	Extended	-14.19	-13	-1.19
	3MHz	Low	Band Edge	-26.97	-13	-13.97
		Low	Extended	-28.26	-13	-15.26
		High [B2]	Band Edge	-28.58	-13	-15.58
		High [B25]	Band Edge	-26.31	-13	-13.31
		High [B2]	Extended	-30.96	-13	-17.96
		High [B25]	Extended	-28.63	-13	-15.63
	1.4MHz	Low	Band Edge	-26.87	-13	-13.87
		Low	Extended	-28.91	-13	-15.91
		High [B2]	Band Edge	-27.18	-13	-14.18
		High [B25]	Band Edge	-27.14	-13	-14.14
		High [B2]	Extended	-29.43	-13	-16.43
		High [B25]	Extended	-28.98	-13	-15.98

Table 7-14. Conducted Band Edge Test Results – Ant 4

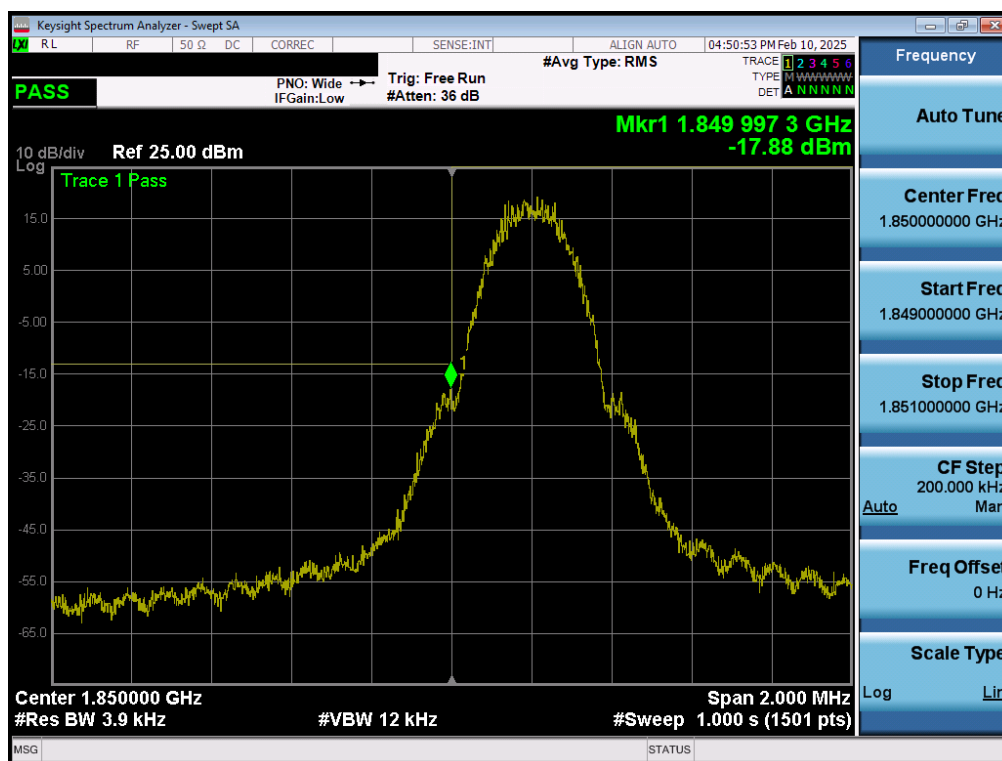
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 76 of 133

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n25-2	40MHz	Low	Band Edge	-26.54	-13	-13.54
		Low	Extended	-27.16	-13	-14.16
		High [n25]	Band Edge	-28.07	-13	-15.07
		High [n25]	Extended	-30.30	-13	-17.30
	35MHz	Low	Band Edge	-28.82	-13	-15.82
		Low	Extended	-26.88	-13	-13.88
		High [n25]	Band Edge	-30.56	-13	-17.56
		High [n25]	Extended	-29.19	-13	-16.19
	30MHz	Low	Band Edge	-28.29	-13	-15.29
		Low	Extended	-26.95	-13	-13.95
		High [n25]	Band Edge	-32.30	-13	-19.30
		High [n25]	Extended	-28.26	-13	-15.26
	25MHz	Low	Band Edge	-29.25	-13	-16.25
		Low	Extended	-25.41	-13	-12.41
		High [n25]	Band Edge	-31.06	-13	-18.06
		High [n25]	Extended	-26.71	-13	-13.71
	20MHz	Low	Band Edge	-29.33	-13	-16.33
		Low	Extended	-23.25	-13	-10.25
		High [n2]	Band Edge	-30.06	-13	-17.06
		High [n25]	Band Edge	-30.07	-13	-17.07
		High [n2]	Extended	-24.50	-13	-11.50
		High [n25]	Extended	-25.13	-13	-12.13
	15MHz	Low	Band Edge	-26.38	-13	-13.38
		Low	Extended	-20.54	-13	-7.54
		High [n2]	Band Edge	-27.41	-13	-14.41
		High [n25]	Band Edge	-28.69	-13	-15.69
		High [n2]	Extended	-21.79	-13	-8.79
		High [n25]	Extended	-22.94	-13	-9.94
	10MHz	Low	Band Edge	-26.87	-13	-13.87
		Low	Extended	-17.46	-13	-4.46
		High [n2]	Band Edge	-28.09	-13	-15.09
		High [n25]	Band Edge	-26.52	-13	-13.52
		High [n2]	Extended	-18.27	-13	-5.27
		High [n25]	Extended	-19.09	-13	-6.09
	5MHz	Low	Band Edge	-24.02	-13	-11.02
		Low	Extended	-22.26	-13	-9.26
		High [n2]	Band Edge	-20.72	-13	-7.72
		High [n25]	Band Edge	-24.13	-13	-11.13
		High [n2]	Extended	-23.75	-13	-10.75
		High [n25]	Extended	-25.42	-13	-12.42

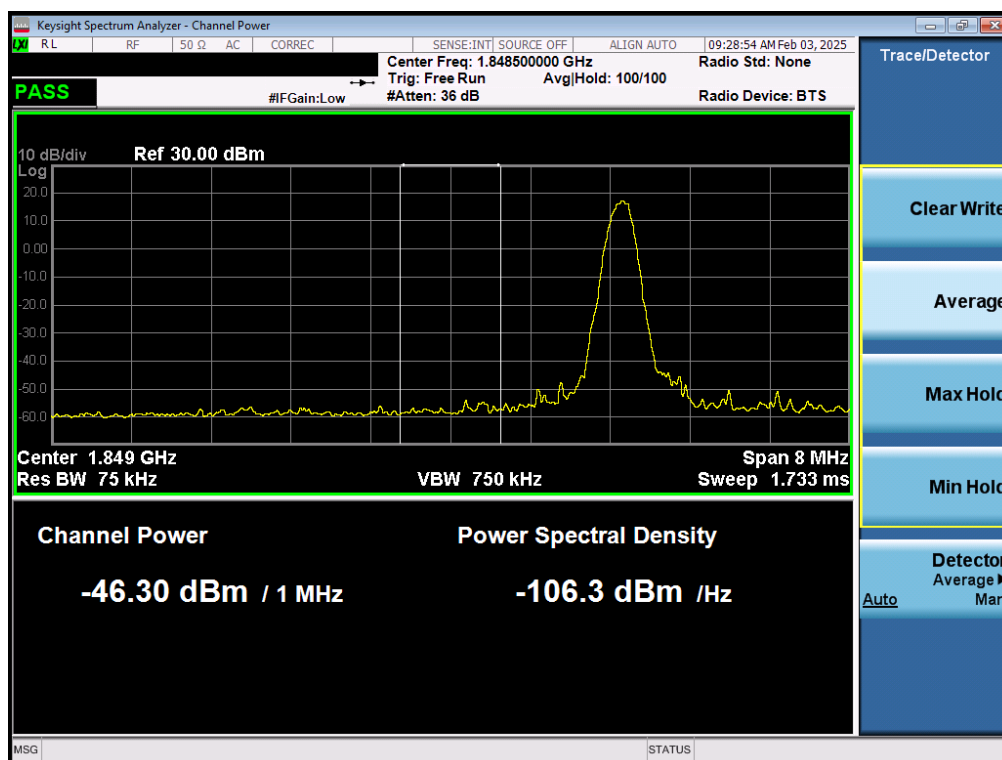
Table 7-15. Conducted Band Edge Test Results – Ant 4

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 77 of 133

GSM/GPRS PCS – Ant 2

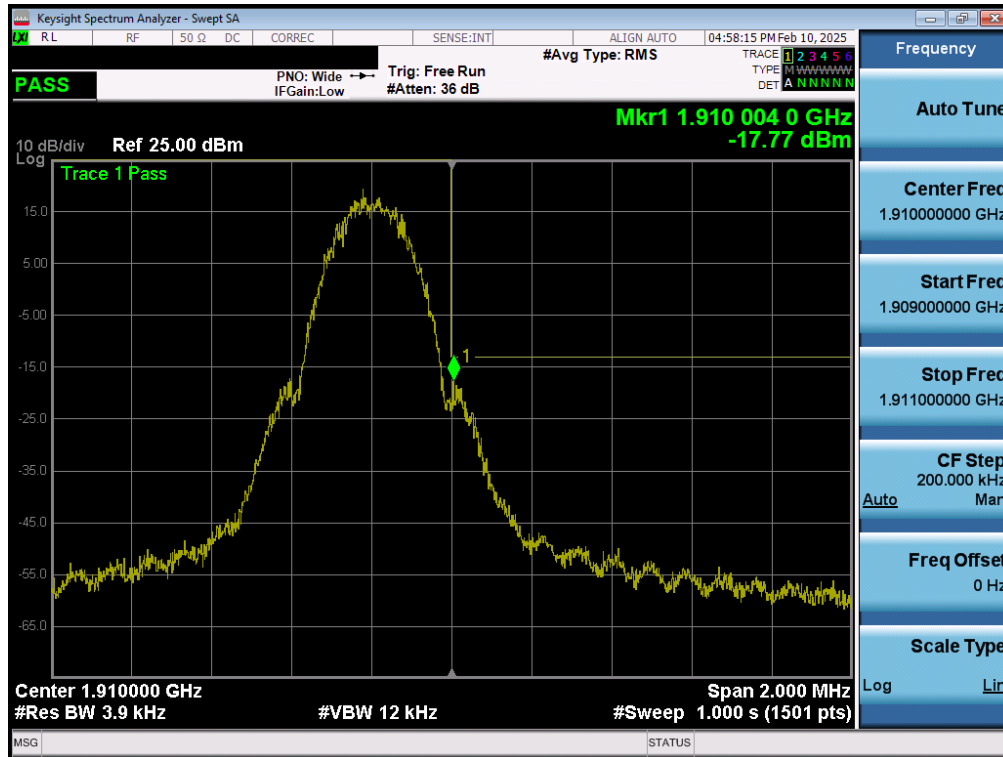


Plot 7-94. Lower Band Edge Plot (GPRS PCS – Ch. 512 - Ant 2)

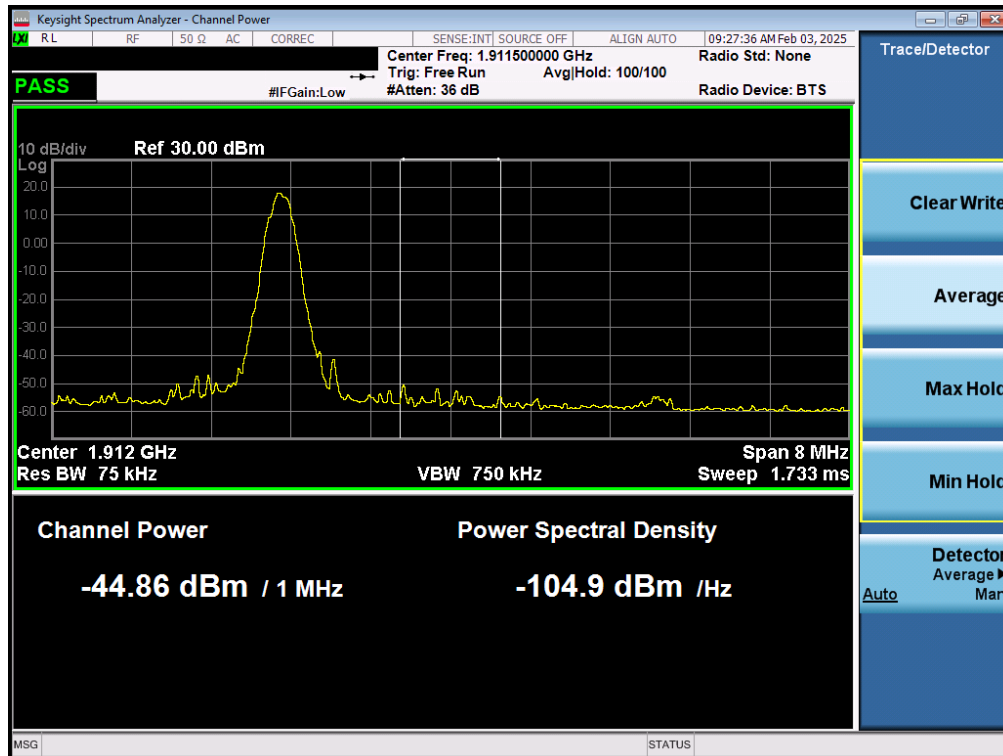


Plot 7-95. Extended Lower Band Edge Plot (GPRS PCS – Ch. 512 - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 78 of 133



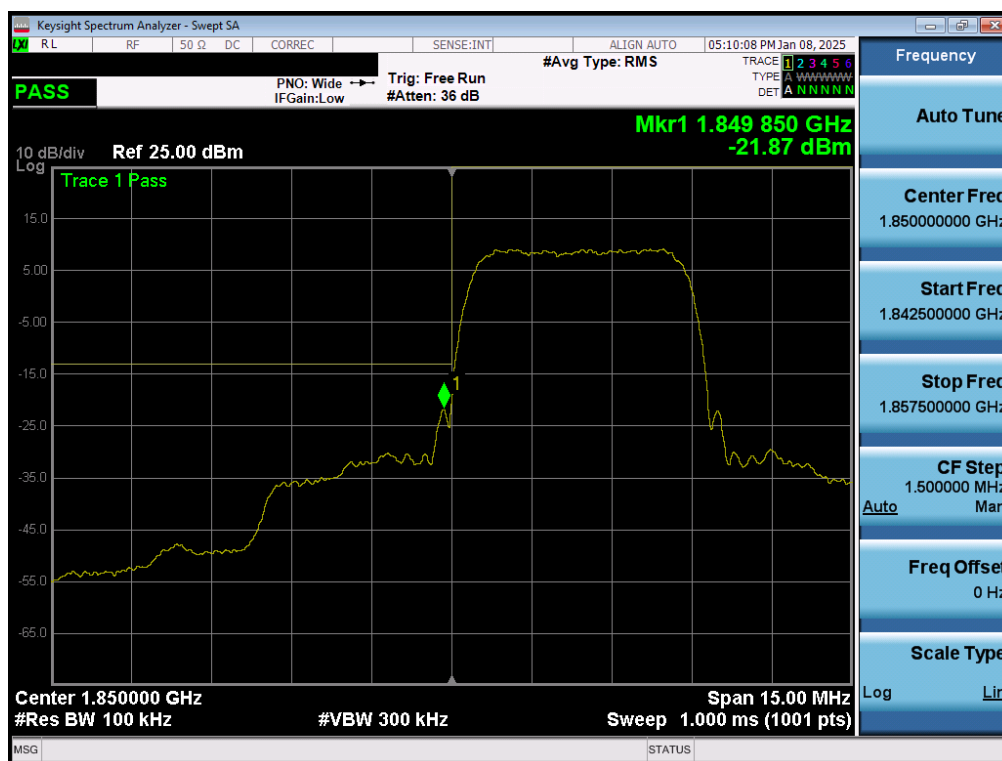
Plot 7-96. Upper Band Edge Plot (GPRS PCS – Ch. 810 - Ant 2)



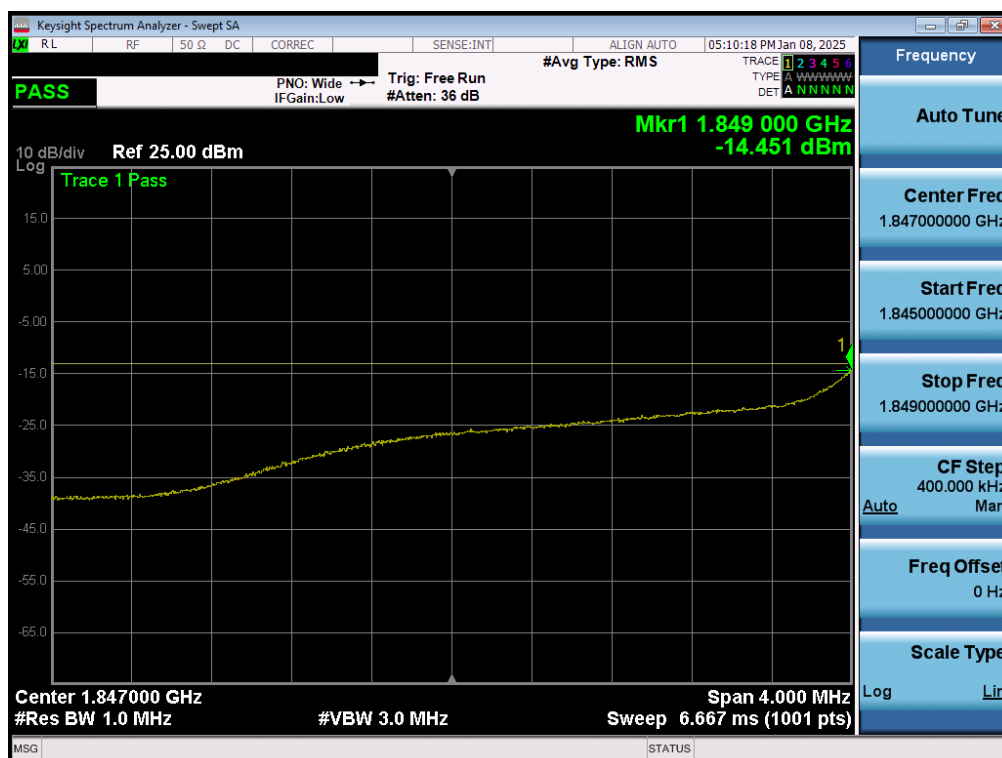
Plot 7-97. Extended Upper Band Edge Plot (GPRS PCS – Ch. 810 - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 79 of 133

WCDMA PCS – Ant 2



Plot 7-98. Lower Band Edge Plot (WCDMA PCS – Ch. 9262 - Ant 2)



Plot 7-99. Extended Lower Band Edge Plot (WCDMA PCS – Ch. 9262 - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 80 of 133



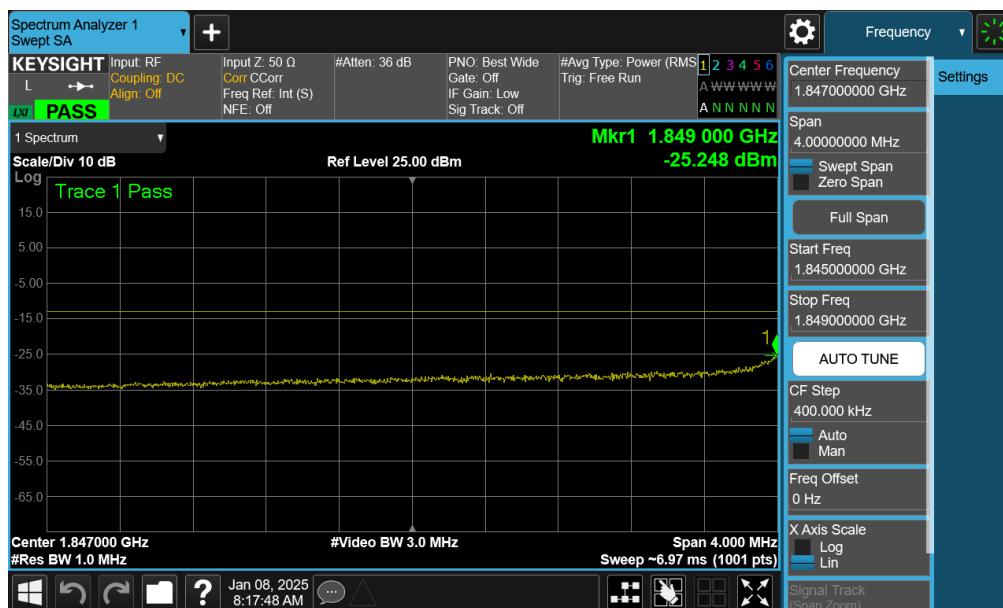
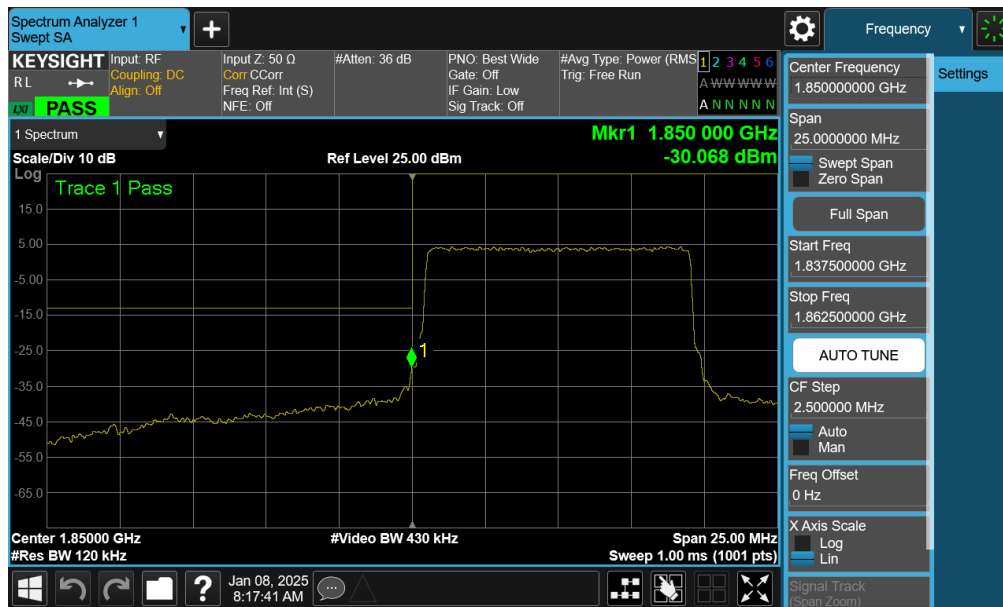
Plot 7-100. Upper Band Edge Plot (WCDMA PCS – Ch. 9538 - Ant 2)



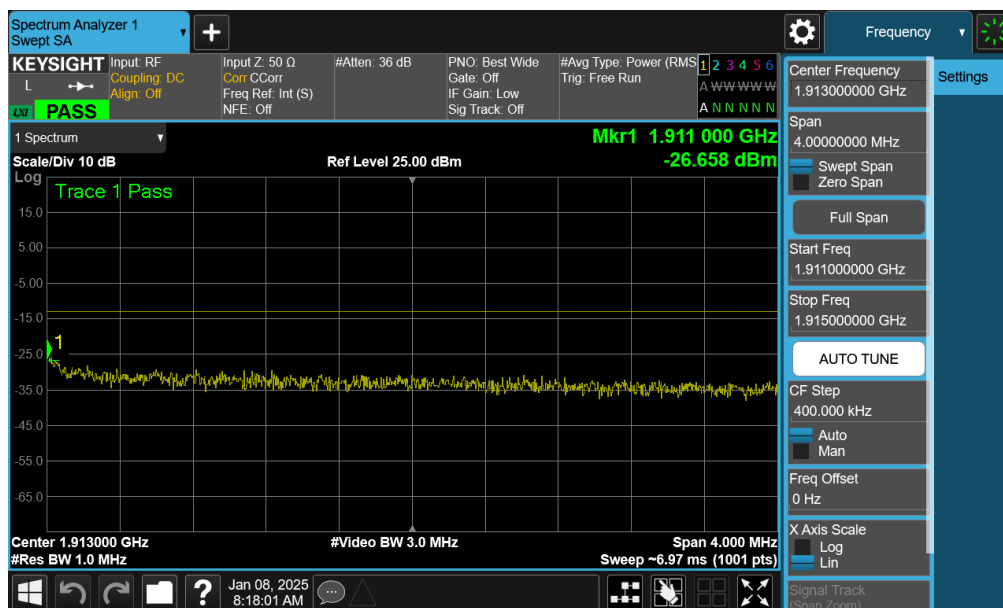
Plot 7-101. Extended Upper Band Edge Plot (WCDMA PCS – Ch. 9538 - Ant 2)

LTE Band 25/2 – Ant 2

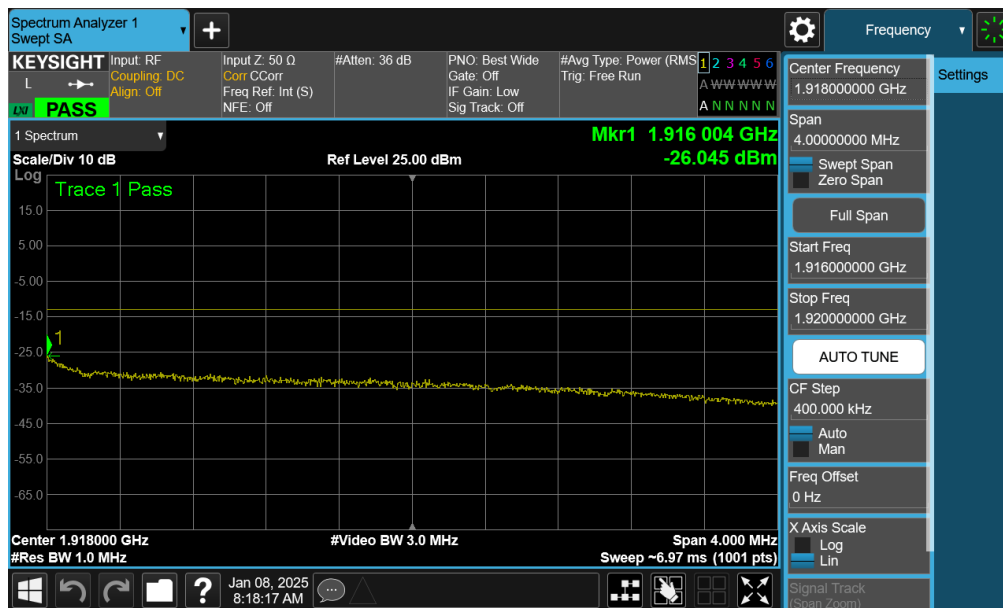
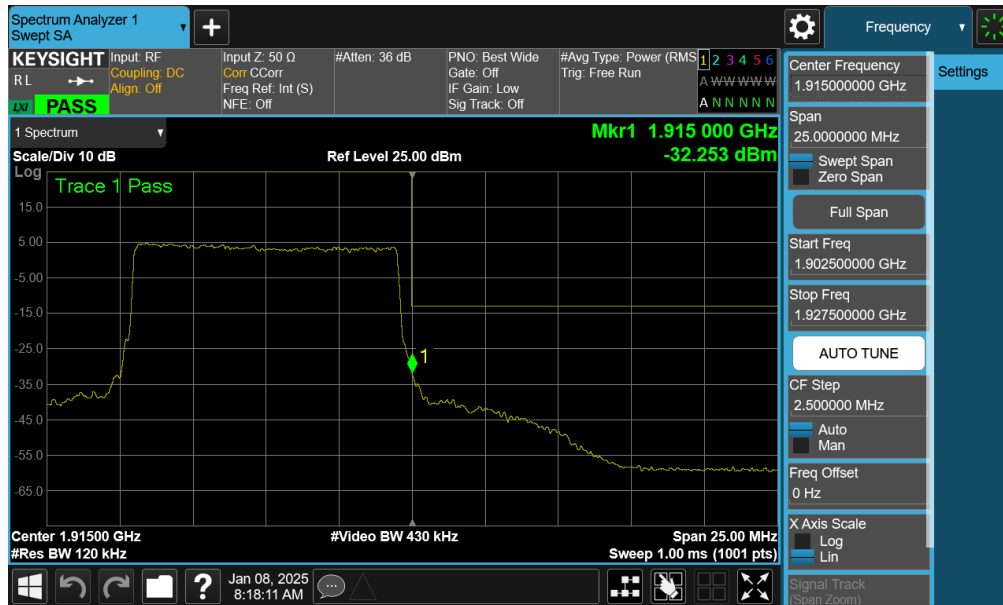
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 81 of 133



FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 82 of 133

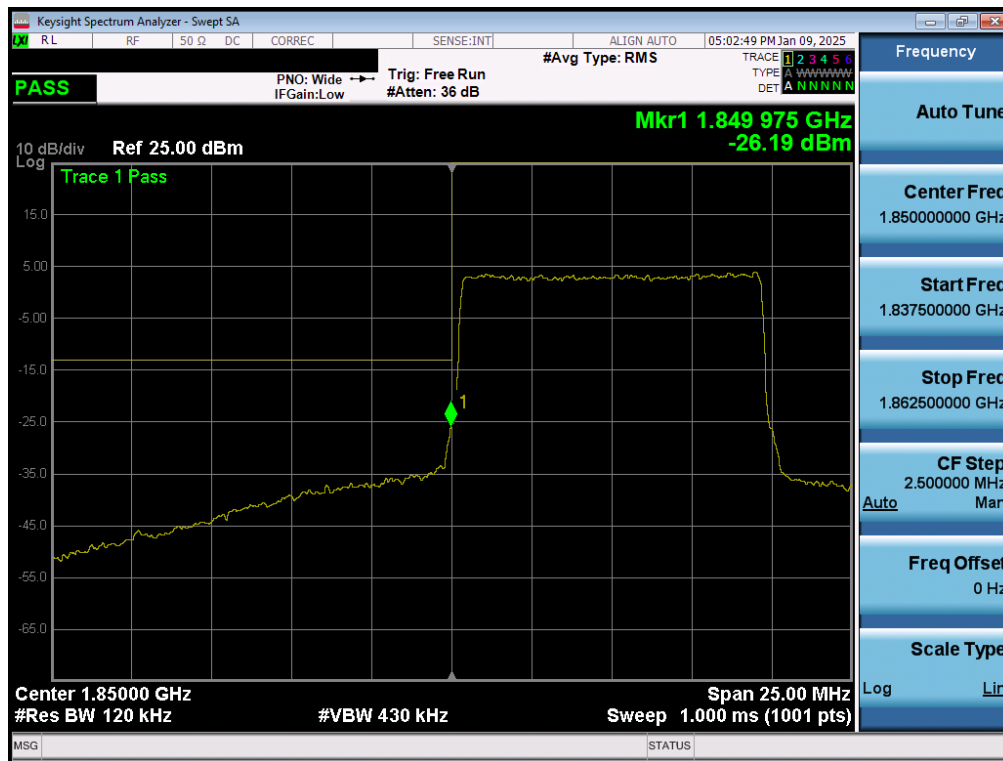


FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 83 of 133

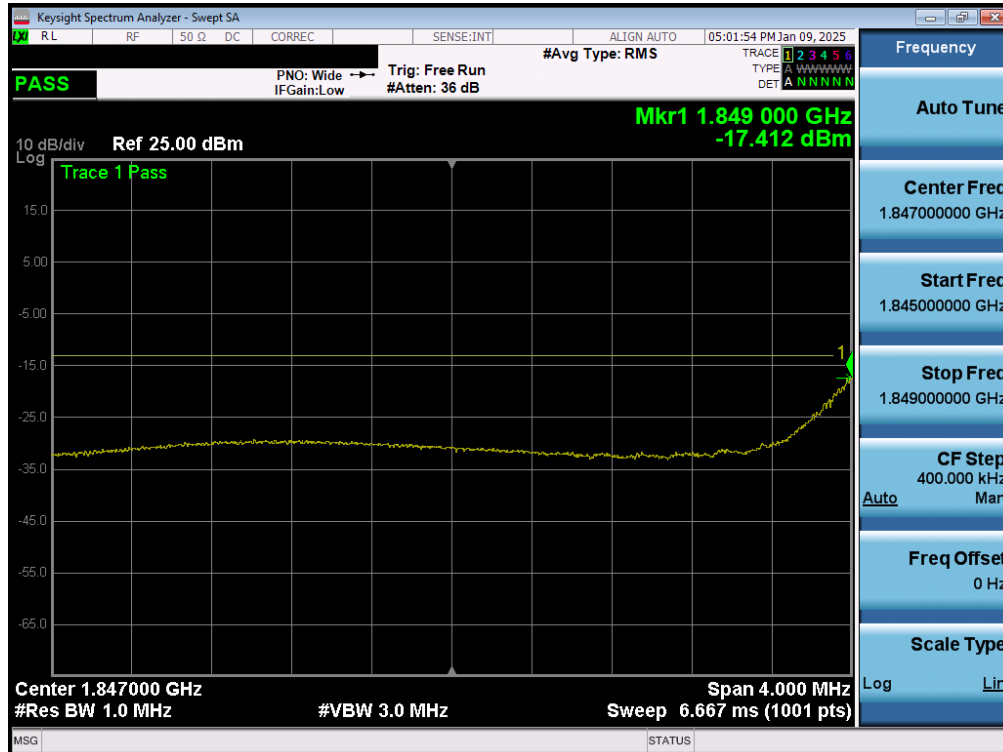


FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 84 of 133

NR Band n25/2 – Ant 2

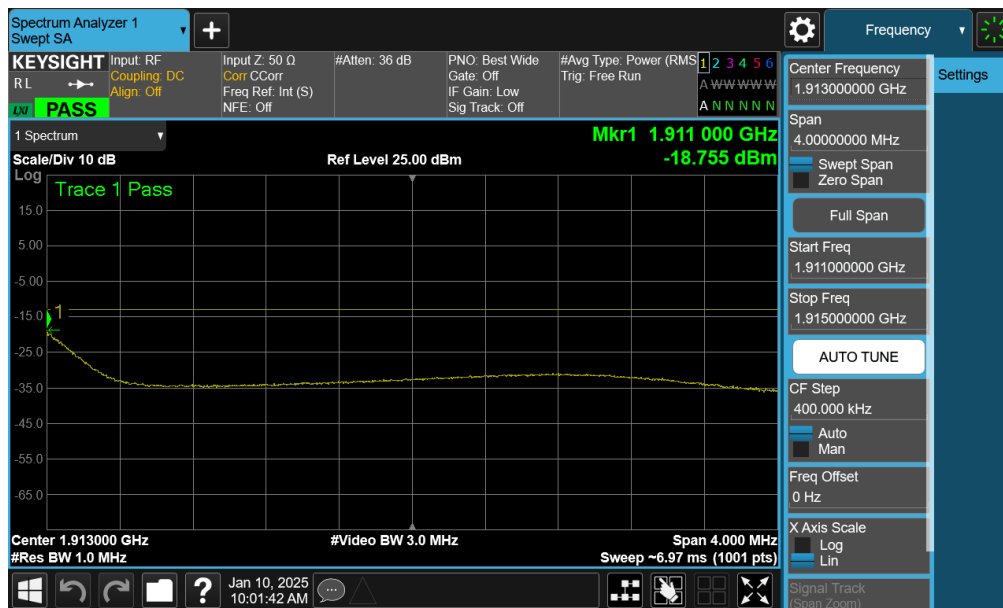


Plot 7-108. Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Ant 2)



Plot 7-109. Extended Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Ant 2)

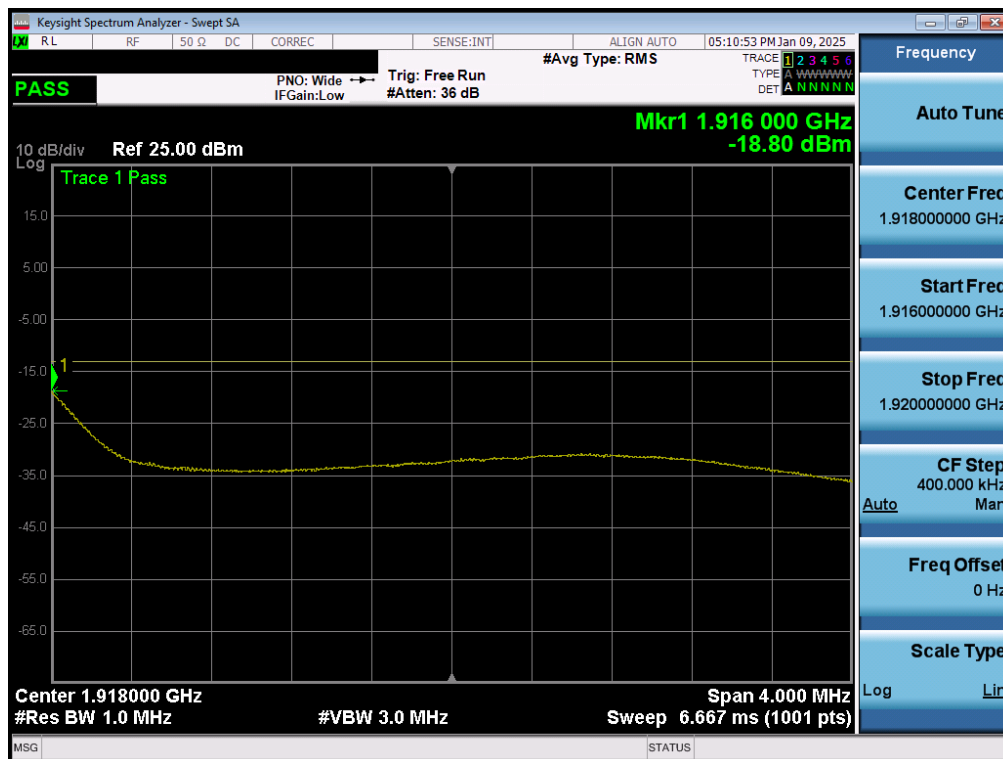
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 85 of 133



FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 86 of 133



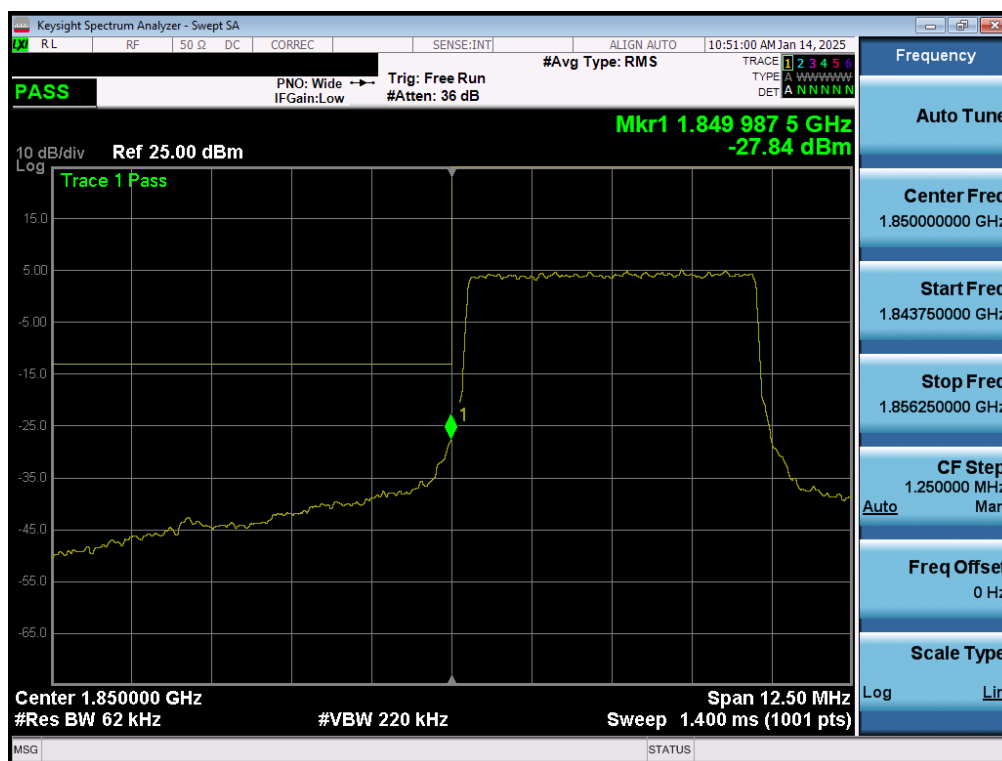
Plot 7-112. Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Ant 2)



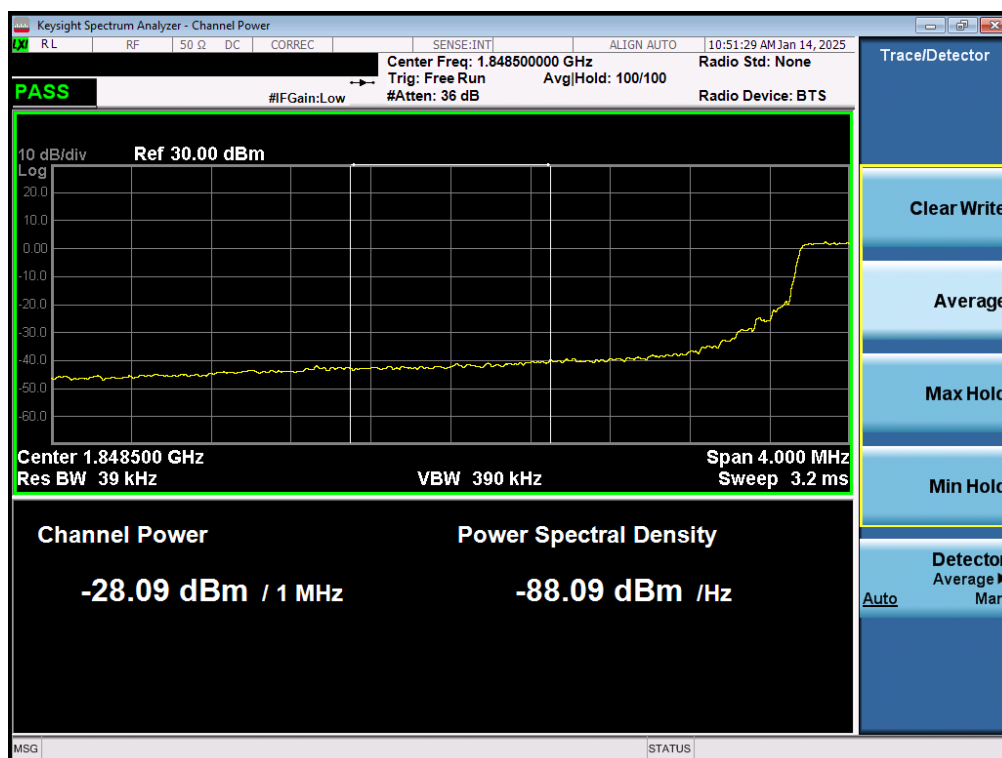
Plot 7-113. Extended Upper Band Edge Plot (NR Band n25 - 10MHz QPSK – Full RB - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 87 of 133

LTE Band 25/2 – Ant 4



Plot 7-114. Lower Band Edge Plot (LTE Band 25/2 - 5MHz QPSK – Full RB - Ant 4)

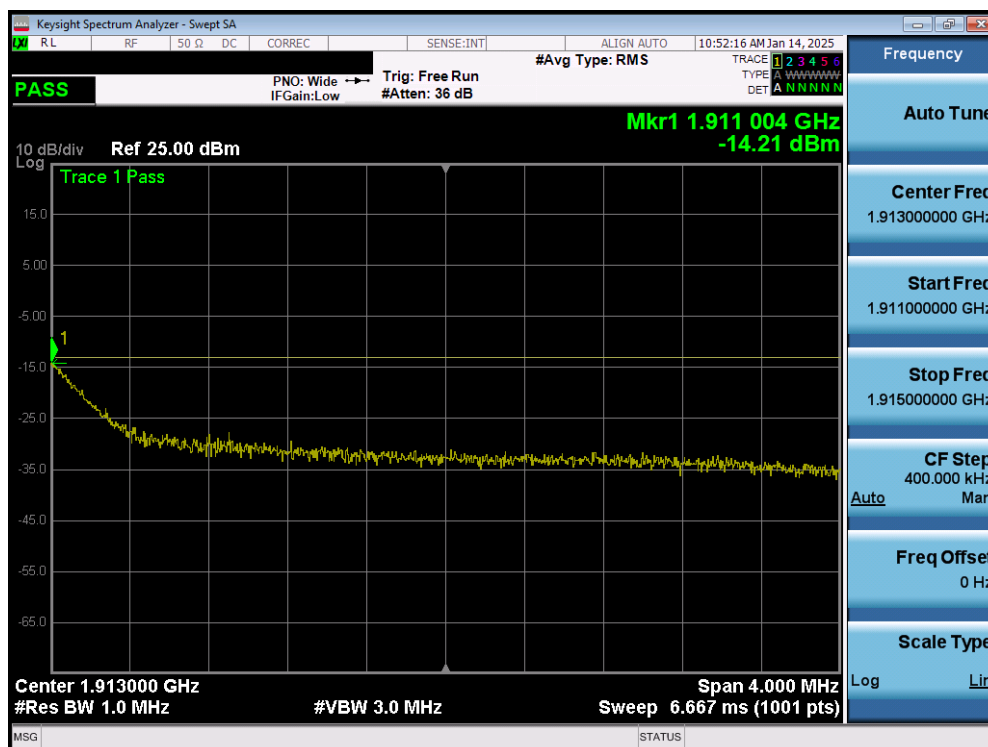


Plot 7-115. Extended Lower Band Edge Plot (LTE Band 25/2 - 5MHz QPSK – Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 88 of 133



Plot 7-116. Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK - Full RB - Ant 4)

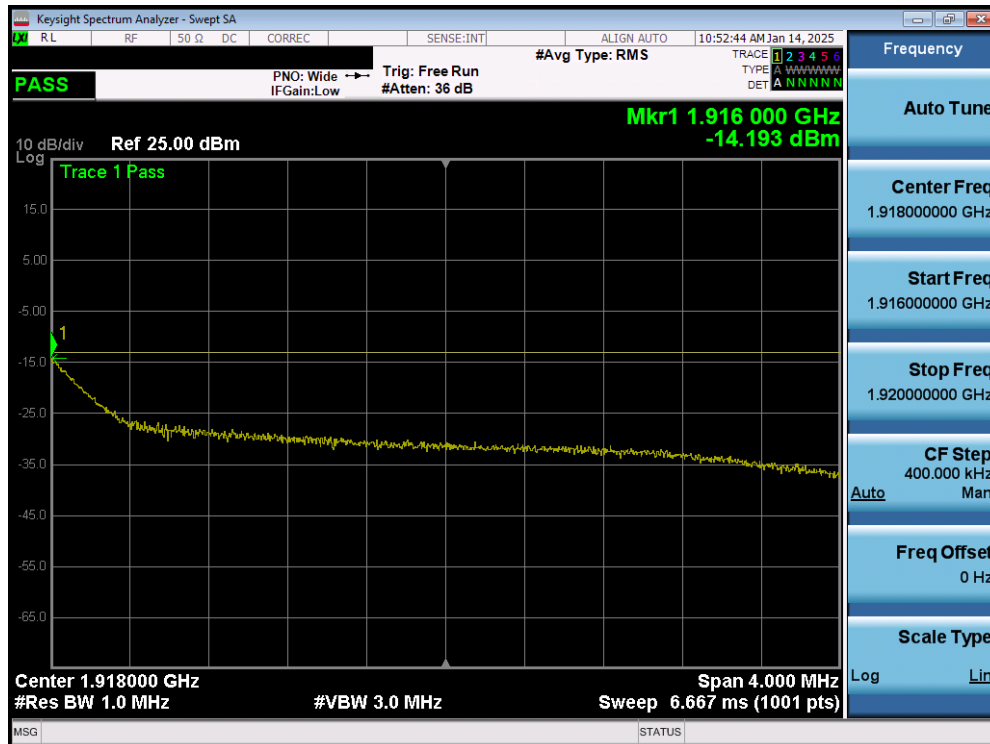


Plot 7-117. Extended Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK - Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 89 of 133



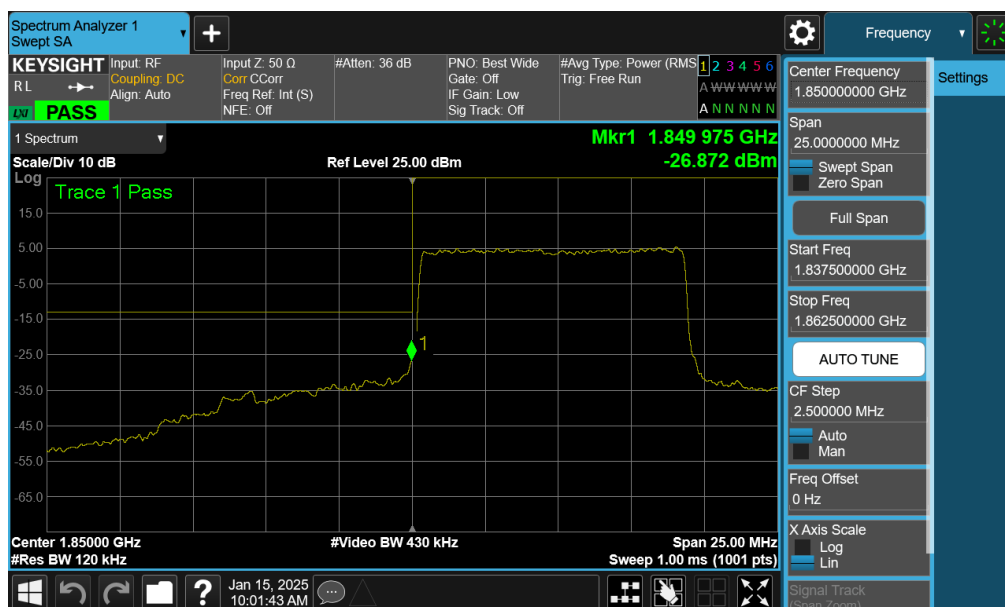
Plot 7-118. Upper Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB - Ant 4)



Plot 7-119. Extended Upper Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 90 of 133

NR Band n25/2 – Ant 4

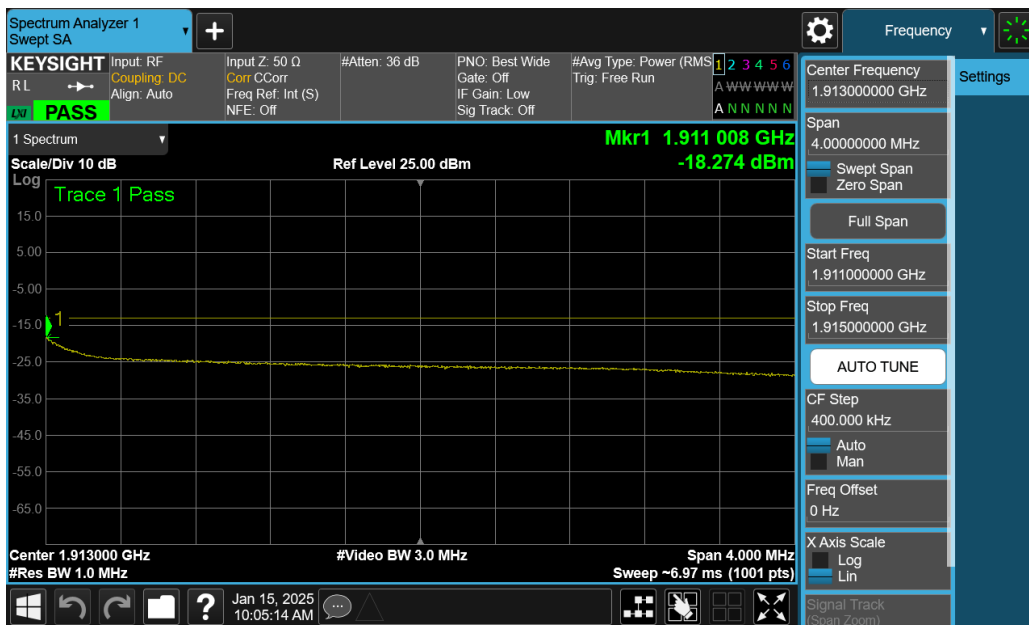


Plot 7-120. Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Ant 4)

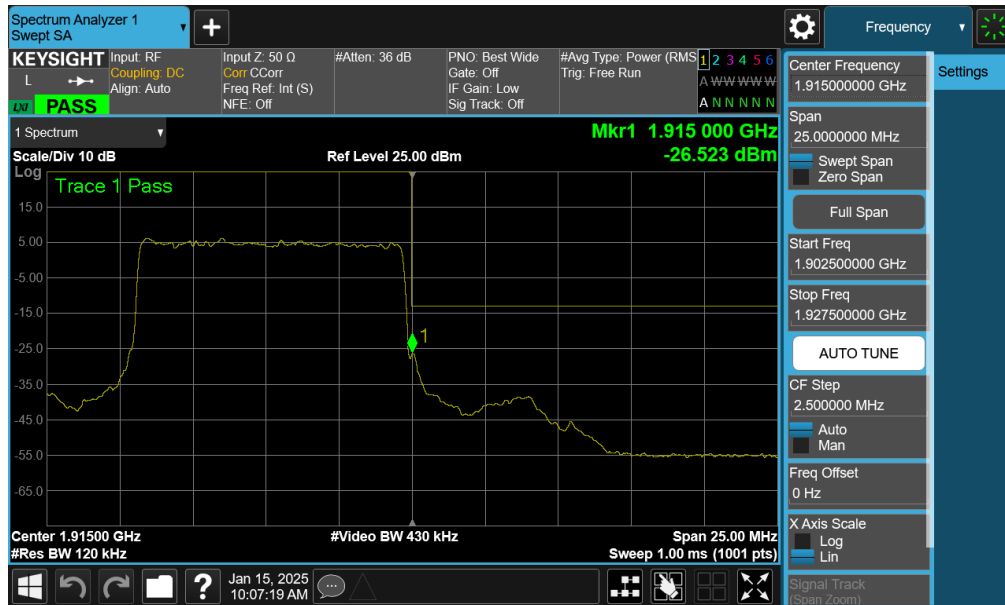


Plot 7-121. Extended Lower Band Edge Plot (NR Band n25/2 - 10MHz QPSK – Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 91 of 133



FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 92 of 133



FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 93 of 133

7.6 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

The peak-to-average power ratio (PAPR) of the transmitter output power must not exceed 13 dB.

Test Procedure Used

ANSI C63.26-2015 – Section 5.2.3.4

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW $\geq$ OBW or specified reference bandwidth
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

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

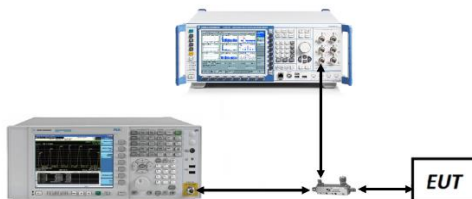


Figure 7-5. Test Instrument & Measurement Setup

Test Notes

For the QAM modulations, 256QAM was found to have the worst-case peak-to-average ratio so it is the only QAM measurement included in this section.

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 94 of 133

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM-PCS	N/A	GMSK	27.03	2.74	13	-10.26
GSM-PCS EDGE		8-PSK	23.63	7.03	13	-5.97
WCDMA-PCS		Spread Spectrum	24.09	3.27	13	-9.73
LTE-B25-2	20MHz	QPSK	22.00	5.51	13	-7.49
		256QAM	17.98	6.78	13	-6.22
	15MHz	QPSK	21.99	5.57	13	-7.43
		256QAM	17.99	6.77	13	-6.23
	10MHz	QPSK	22.04	5.68	13	-7.32
		256QAM	18.04	6.79	13	-6.21
	5MHz	QPSK	22.04	5.58	13	-7.42
		256QAM	18.03	6.81	13	-6.19
	3MHz	QPSK	22.08	5.47	13	-7.53
		256QAM	18.09	6.83	13	-6.17
	1.4MHz	QPSK	22.47	5.52	13	-7.48
		256QAM	18.50	6.79	13	-6.21

Table 7-16. PAR Test Results - Ant 2

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 95 of 133

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n25-2	40MHz	BPSK	23.70	4.74	13	-8.26
		QPSK	21.17	7.37	13	-5.63
		256QAM	17.66	8.85	13	-4.15
	35MHz	BPSK	23.71	4.58	13	-8.42
		QPSK	21.21	7.42	13	-5.58
		256QAM	17.67	8.82	13	-4.18
	30MHz	BPSK	23.74	4.46	13	-8.54
		QPSK	21.15	7.42	13	-5.58
		256QAM	17.63	8.74	13	-4.26
	25MHz	BPSK	23.64	4.54	13	-8.46
		QPSK	21.09	7.37	13	-5.63
		256QAM	17.58	8.91	13	-4.09
	20MHz	BPSK	23.52	4.21	13	-8.79
		QPSK	21.00	7.64	13	-5.36
		256QAM	17.49	8.87	13	-4.13
	15MHz	BPSK	23.57	4.23	13	-8.77
		QPSK	21.03	7.70	13	-5.30
		256QAM	17.45	8.73	13	-4.27
	10MHz	BPSK	23.45	4.52	13	-8.48
		QPSK	20.91	7.81	13	-5.19
		256QAM	17.33	8.73	13	-4.27
	5MHz	BPSK	23.46	4.31	13	-8.69
		QPSK	20.86	7.83	13	-5.17
		256QAM	17.37	8.71	13	-4.29

Table 7-17. PAR Test Results – Ant 2

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 96 of 133

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B25-2	20MHz	QPSK	22.15	5.54	13	-7.46
		256QAM	18.15	6.82	13	-6.18
	15MHz	QPSK	23.24	4.45	13	-8.55
		256QAM	18.28	6.98	13	-6.02
	10MHz	QPSK	22.29	5.70	13	-7.30
		256QAM	18.31	6.82	13	-6.18
	5MHz	QPSK	23.33	4.35	13	-8.65
		256QAM	18.37	6.96	13	-6.04
	3MHz	QPSK	22.30	5.52	13	-7.48
		256QAM	18.33	7.00	13	-6.00
	1.4MHz	QPSK	22.33	5.63	13	-7.37
		256QAM	18.35	6.91	13	-6.09

Table 7-18. PAR Edge Test Results – Ant 4

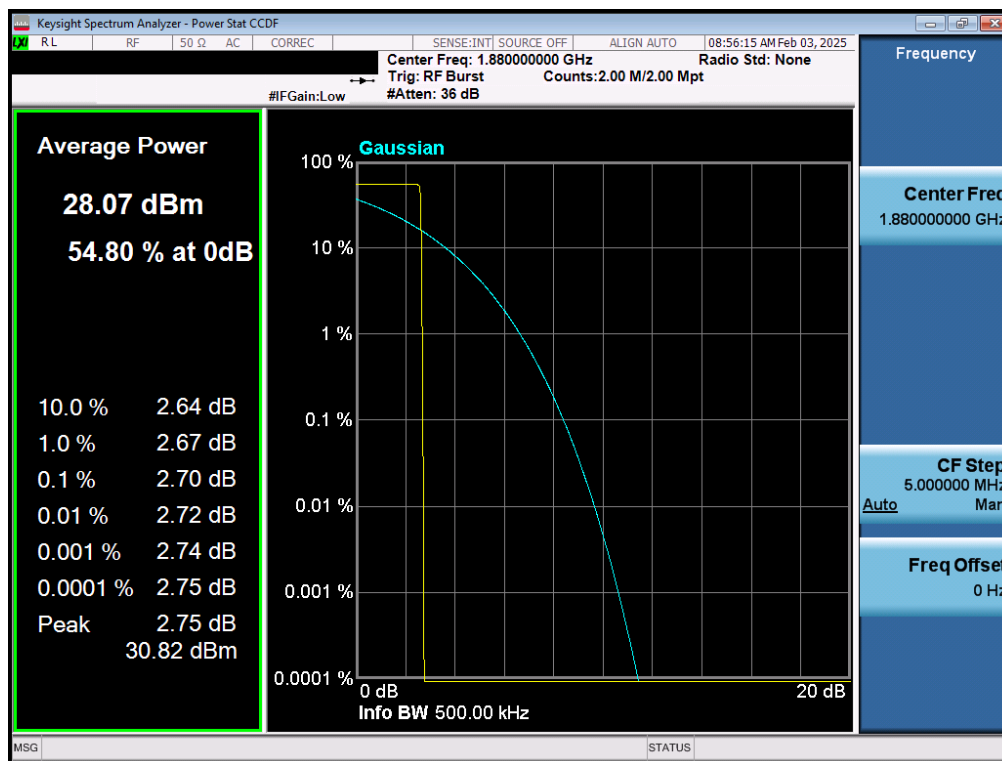
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 97 of 133

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n25-2	40MHz	BPSK	23.39	4.65	13	-8.35
		QPSK	20.95	8.00	13	-5.00
		256QAM	17.38	8.94	13	-4.06
	35MHz	BPSK	23.43	4.50	13	-8.50
		QPSK	20.92	7.33	13	-5.67
		256QAM	17.42	8.90	13	-4.10
	30MHz	BPSK	23.45	4.41	13	-8.59
		QPSK	20.92	8.05	13	-4.95
		256QAM	17.38	8.81	13	-4.19
	25MHz	BPSK	23.37	4.38	13	-8.62
		QPSK	20.85	8.04	13	-4.96
		256QAM	17.34	9.06	13	-3.94
	20MHz	BPSK	23.44	4.42	13	-8.58
		QPSK	20.92	7.21	13	-5.79
		256QAM	17.41	8.82	13	-4.18
	15MHz	BPSK	23.40	4.48	13	-8.52
		QPSK	20.94	7.21	13	-5.79
		256QAM	17.40	8.91	13	-4.09
	10MHz	BPSK	23.34	4.60	13	-8.40
		QPSK	20.79	7.38	13	-5.62
		256QAM	17.27	9.06	13	-3.94
	5MHz	BPSK	23.34	4.54	13	-8.46
		QPSK	20.81	7.26	13	-5.74
		256QAM	17.28	8.85	13	-4.15

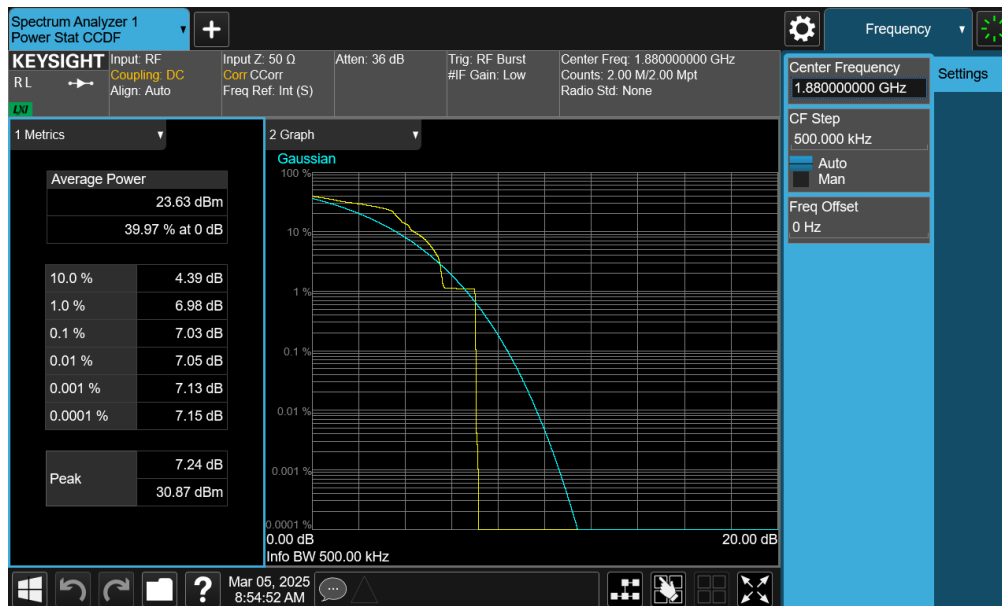
Table 7-19. PAR Test Results – Ant 4

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 98 of 133

GSM/GPRS PCS – Ant 2



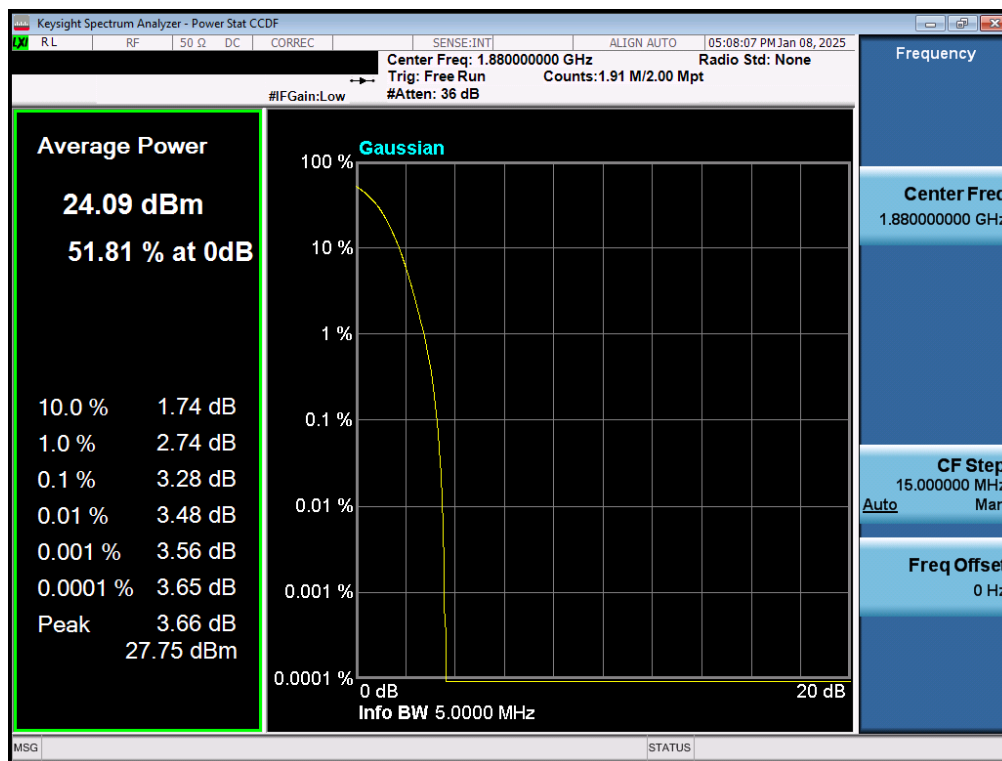
Plot 7-126. PAR Plot (GPRS, Ch. 661 - Ant 2)



Plot 7-127. PAR Plot (EDGE, Ch. 661 - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 99 of 133

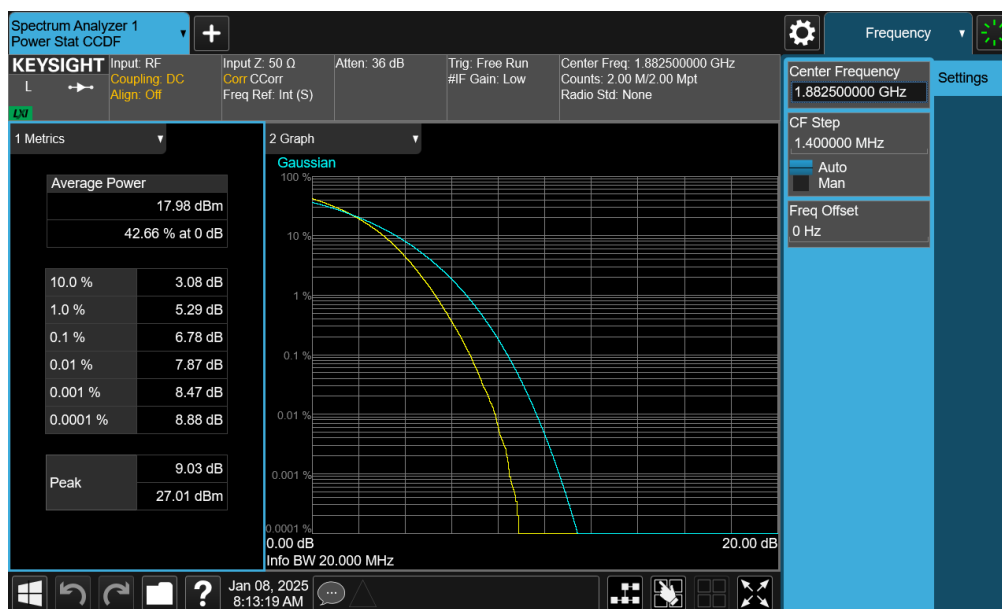
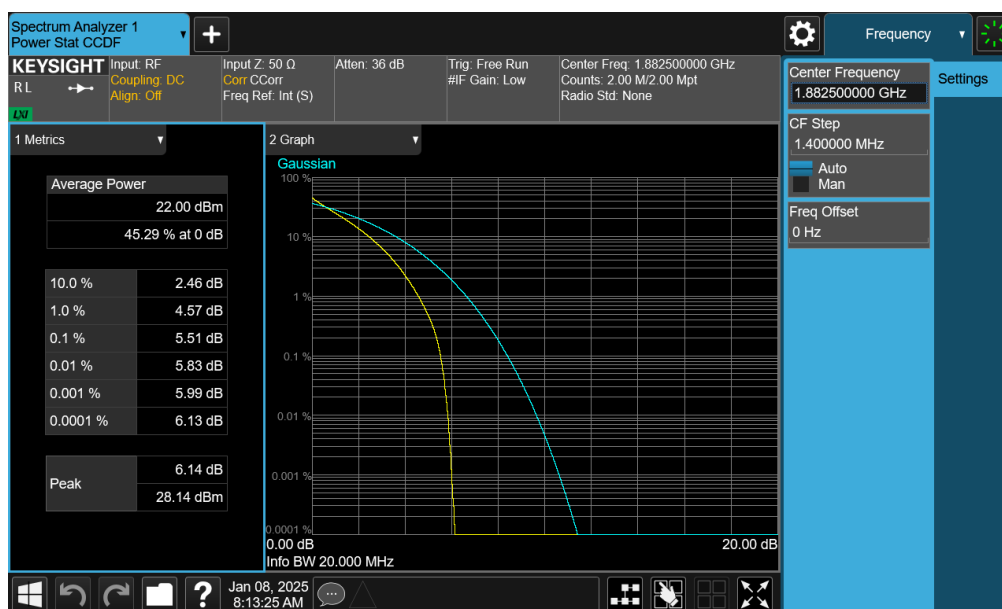
WCDMA PCS – Ant 2



Plot 7-128. PAR Plot (WCDMA, Ch. 9400 - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 100 of 133

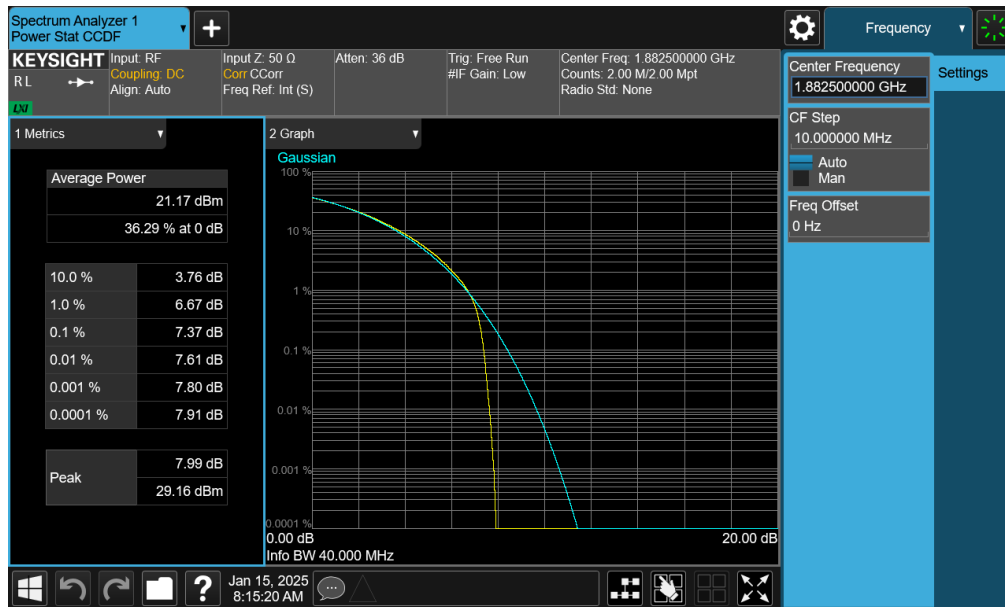
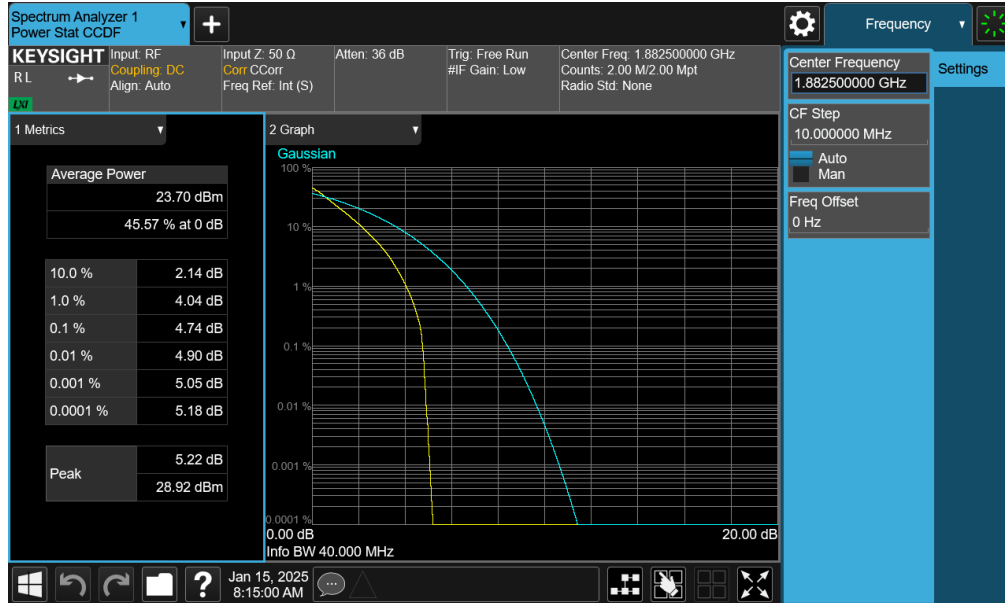
LTE Band 25/2 – Ant 2



Plot 7-130. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 101 of 133

NR Band n25/2 – Ant 2



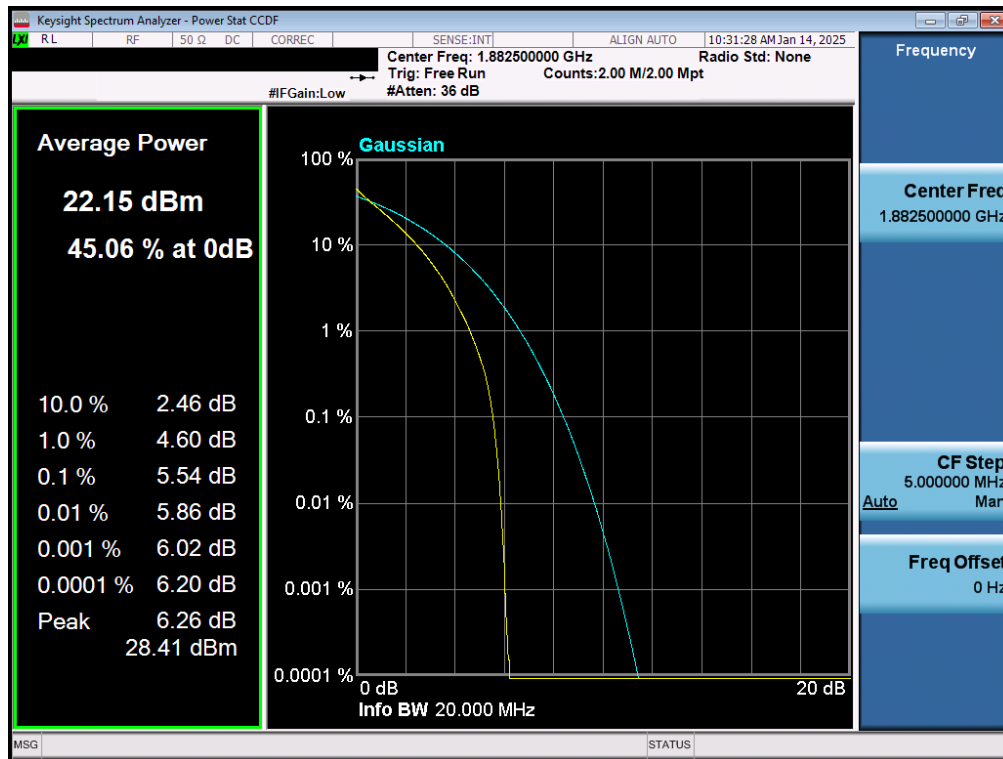
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 102 of 133



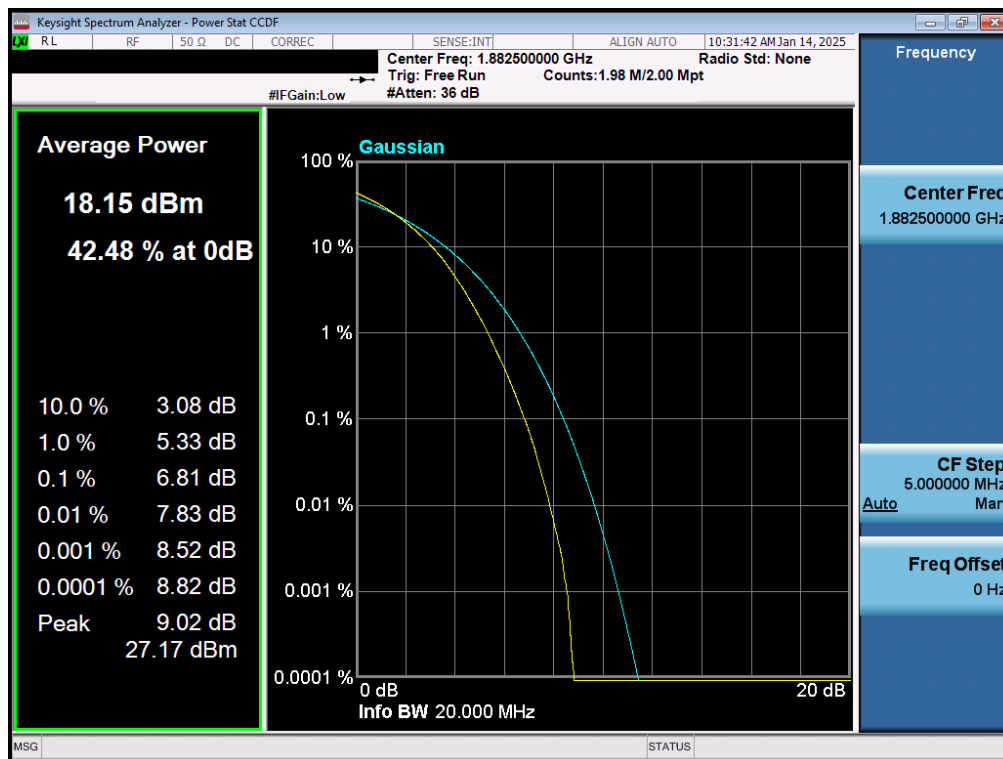
Plot 7-133. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 103 of 133

LTE Band 25/2 – Ant 4



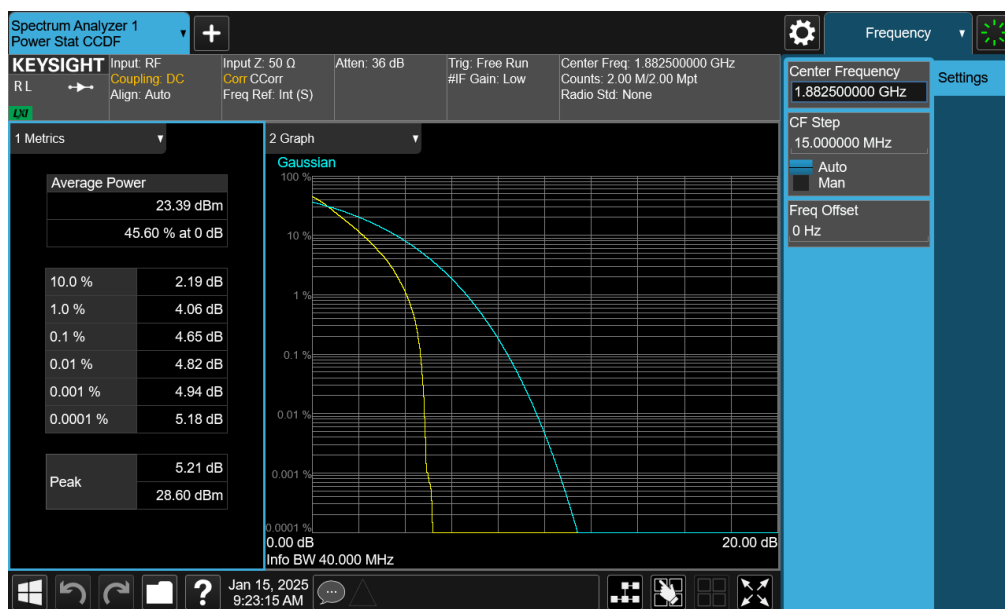
Plot 7-134. PAR Plot (LTE Band 25/2 - 20MHz QPSK - Full RB - Ant 4)



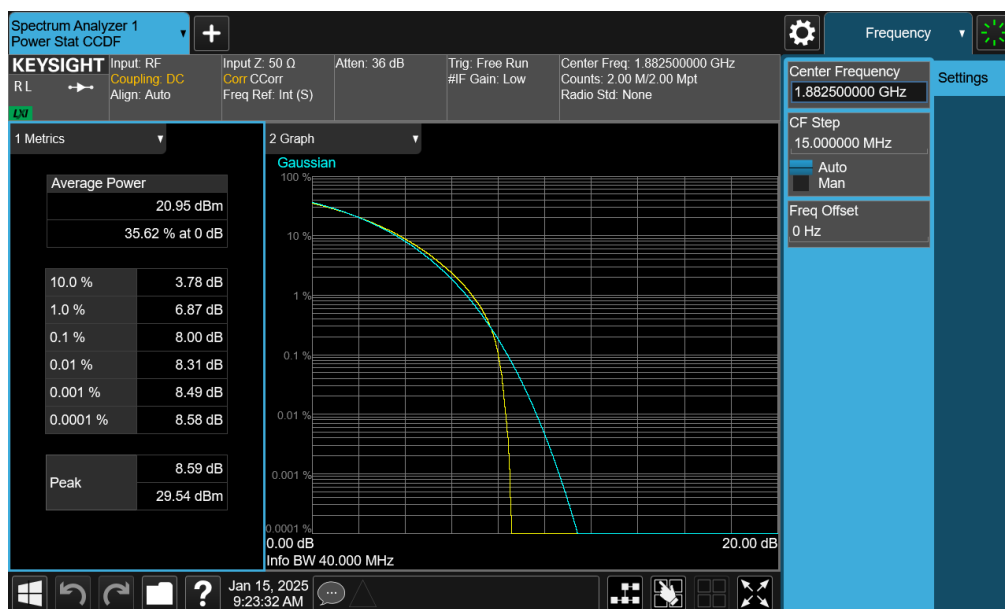
Plot 7-135. PAR Plot (LTE Band 25/2 - 20MHz 256-QAM - Full RB - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 104 of 133

NR Band n25/2 – Ant 4



Plot 7-136. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - ANT 4)



Plot 7-137. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - ANT 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 105 of 133



Plot 7-138. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 106 of 133

7.7 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: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 107 of 133

Test Setup

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

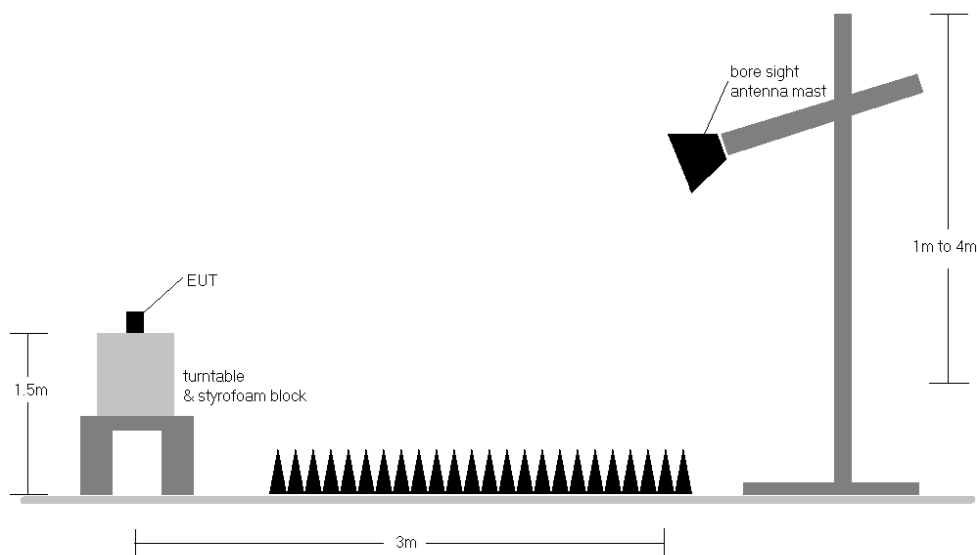


Figure 7-6. Radiated Test Setup >1GHz

Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 3) 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.
- 4) This unit was tested with its standard battery.
- 5) 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.

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 108 of 133

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	1860.00	H	130	7	2.79	1 / 99	19.57	22.36	0.172	33.01	-10.65
	QPSK	1882.50	H	127	1	2.65	1 / 50	19.82	22.47	0.177	33.01	-10.54
	QPSK	1905.00	H	127	0	2.54	1 / 50	19.80	22.34	0.172	33.01	-10.67
	16-QAM	1860.00	H	130	7	2.79	1 / 99	18.38	21.17	0.131	33.01	-11.84
15 MHz	QPSK	1857.50	H	130	7	2.81	1 / 37	19.39	22.20	0.166	33.01	-10.81
	QPSK	1882.50	H	127	1	2.65	1 / 37	19.89	22.54	0.180	33.01	-10.47
	QPSK	1907.50	H	127	0	2.54	1 / 37	19.73	22.27	0.169	33.01	-10.74
	16-QAM	1857.50	H	130	7	2.81	1 / 74	18.50	21.30	0.135	33.01	-11.71
10 MHz	QPSK	1855.00	H	130	7	2.82	1 / 0	19.55	22.37	0.173	33.01	-10.64
	QPSK	1882.50	H	127	1	2.65	1 / 25	20.02	22.67	0.185	33.01	-10.34
	QPSK	1910.00	H	127	0	2.55	1 / 0	19.82	22.37	0.172	33.01	-10.64
	16-QAM	1855.00	H	130	7	2.82	1 / 25	18.61	21.43	0.139	33.01	-11.58
5 MHz	QPSK	1852.50	H	130	7	2.84	1 / 12	19.49	22.33	0.171	33.01	-10.68
	QPSK	1882.50	H	127	1	2.65	1 / 12	20.04	22.69	0.186	33.01	-10.32
	QPSK	1912.50	H	127	0	2.55	1 / 12	19.88	22.43	0.175	33.01	-10.58
	16-QAM	1852.50	H	130	7	2.84	1 / 12	18.62	21.46	0.140	33.01	-11.55
3 MHz	QPSK	1851.50	H	130	7	2.85	1 / 0	19.44	22.29	0.169	33.01	-10.73
	QPSK	1882.50	H	127	1	2.65	1 / 7	19.99	22.63	0.183	33.01	-10.38
	QPSK	1913.50	H	127	0	2.55	1 / 7	19.88	22.43	0.175	33.01	-10.58
	16-QAM	1913.50	H	127	0	2.55	1 / 7	19.08	21.63	0.146	33.01	-11.38
1.4 MHz	QPSK	1850.70	H	130	7	2.85	1 / 3	19.94	22.80	0.190	33.01	-10.21
	QPSK	1882.50	H	127	1	2.65	1 / 3	20.33	22.98	0.198	33.01	-10.03
	QPSK	1914.30	H	127	0	2.55	1 / 3	20.24	22.79	0.190	33.01	-10.22
	16-QAM	1914.30	H	127	0	2.55	1 / 3	19.26	21.81	0.152	33.01	-11.20

Table 7-20. EIRP Data (LTE Band 25/2 – Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 109 of 133

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]
40 MHz	$\pi/2$ BPSK	1870.00	H	119	369	2.73	1 / 108	23.16	25.89	0.388	33.01	-7.12
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 108	22.83	25.48	0.353	33.01	-7.53
	$\pi/2$ BPSK	1895.00	H	114	365	2.57	1 / 1	23.21	25.78	0.379	33.01	-7.23
	QPSK	1870.00	H	119	369	2.73	1 / 108	23.20	25.93	0.392	33.01	-7.08
	QPSK	1882.50	H	112	368	2.65	1 / 214	22.85	25.50	0.355	33.01	-7.51
	QPSK	1895.00	H	114	365	2.57	1 / 1	23.29	25.86	0.386	33.01	-7.15
	16-QAM	1870.00	H	119	369	2.73	1 / 108	22.15	24.88	0.308	33.01	-8.13
	16-QAM	1882.50	H	112	368	2.65	1 / 108	21.95	24.60	0.288	33.01	-8.41
35 MHz	$\pi/2$ BPSK	1870.00	H	119	369	2.73	1 / 94	23.30	26.03	0.401	33.01	-6.98
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 94	22.87	25.52	0.356	33.01	-7.49
	$\pi/2$ BPSK	1895.00	H	114	365	2.57	1 / 94	23.18	25.75	0.376	33.01	-7.26
	QPSK	1870.00	H	119	369	2.73	1 / 94	23.35	26.08	0.405	33.01	-6.93
	QPSK	1882.50	H	112	368	2.65	1 / 94	22.86	25.51	0.355	33.01	-7.50
	QPSK	1895.00	H	114	365	2.57	1 / 94	23.33	25.90	0.389	33.01	-7.11
	16-QAM	1870.00	H	119	369	2.73	1 / 94	22.15	24.88	0.308	33.01	-8.13
	16-QAM	1882.50	H	112	368	2.65	1 / 94	21.61	24.26	0.267	33.01	-8.75
30 MHz	$\pi/2$ BPSK	1870.00	H	119	369	2.73	1 / 80	23.28	26.01	0.399	33.01	-7.00
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 80	22.87	25.52	0.356	33.01	-7.49
	$\pi/2$ BPSK	1900.00	H	114	365	2.57	1 / 80	23.09	25.66	0.368	33.01	-7.35
	QPSK	1870.00	H	119	369	2.73	1 / 80	23.24	25.97	0.395	33.01	-7.04
	QPSK	1882.50	H	112	368	2.65	1 / 80	22.69	25.34	0.342	33.01	-7.67
	QPSK	1900.00	H	114	365	2.57	1 / 80	23.16	25.73	0.374	33.01	-7.28
	16-QAM	1870.00	H	119	369	2.73	1 / 80	22.13	24.85	0.306	33.01	-8.16
	16-QAM	1882.50	H	112	368	2.65	1 / 80	21.97	24.62	0.290	33.01	-8.39
25 MHz	$\pi/2$ BPSK	1870.00	H	119	369	2.73	1 / 80	22.17	24.74	0.298	33.01	-8.27
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 1	23.28	26.01	0.399	33.01	-7.00
	$\pi/2$ BPSK	1892.50	H	112	368	2.65	1 / 1	22.85	25.50	0.354	33.01	-7.51
	$\pi/2$ BPSK	1902.50	H	114	365	2.57	1 / 131	23.10	25.67	0.369	33.01	-7.34
	QPSK	1870.00	H	119	369	2.73	1 / 1	23.27	26.00	0.398	33.01	-7.01
	QPSK	1882.50	H	112	368	2.65	1 / 1	22.76	25.41	0.347	33.01	-7.60
	QPSK	1902.50	H	114	365	2.57	1 / 131	23.25	25.82	0.382	33.01	-7.19
	16-QAM	1870.00	H	119	369	2.73	1 / 1	22.15	24.88	0.307	33.01	-8.13
20 MHz	$\pi/2$ BPSK	1870.00	H	119	369	2.73	1 / 1	22.00	24.65	0.292	33.01	-8.36
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 131	22.22	24.79	0.301	33.01	-8.22
	$\pi/2$ BPSK	1890.00	H	114	365	2.57	1 / 1	23.04	25.61	0.364	33.01	-7.40
	QPSK	1870.00	H	119	369	2.73	1 / 1	23.18	25.91	0.390	33.01	-7.10
	QPSK	1882.50	H	112	368	2.65	1 / 1	22.77	25.42	0.349	33.01	-7.59
	QPSK	1905.00	H	114	365	2.57	1 / 1	23.07	25.64	0.366	33.01	-7.37
	16-QAM	1870.00	H	119	369	2.73	1 / 1	21.74	24.47	0.280	33.01	-8.54
	16-QAM	1882.50	H	112	368	2.65	1 / 1	21.59	24.24	0.266	33.01	-8.77
15 MHz	$\pi/2$ BPSK	1870.00	H	119	369	2.73	1 / 1	22.27	24.84	0.305	33.01	-8.17
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 39	23.18	25.91	0.390	33.01	-7.10
	$\pi/2$ BPSK	1892.50	H	112	368	2.65	1 / 1	22.74	25.39	0.346	33.01	-7.63
	$\pi/2$ BPSK	1907.50	H	114	365	2.57	1 / 1	23.21	25.78	0.379	33.01	-7.23
	QPSK	1870.00	H	119	369	2.73	1 / 39	23.25	25.98	0.397	33.01	-7.03
	QPSK	1882.50	H	112	368	2.65	1 / 1	22.55	25.20	0.331	33.01	-7.81
	QPSK	1907.50	H	114	365	2.57	1 / 1	23.15	25.73	0.374	33.01	-7.29
	16-QAM	1870.00	H	119	369	2.73	1 / 39	22.33	25.06	0.320	33.01	-7.95
10 MHz	$\pi/2$ BPSK	1870.00	H	119	369	2.73	1 / 1	21.50	24.15	0.260	33.01	-8.86
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 1	22.16	24.73	0.297	33.01	-8.28
	$\pi/2$ BPSK	1895.00	H	114	365	2.57	1 / 1	23.30	26.03	0.401	33.01	-6.98
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 26	22.81	25.46	0.352	33.01	-7.55
	$\pi/2$ BPSK	1910.00	H	114	365	2.57	1 / 1	23.07	25.64	0.366	33.01	-7.37
	QPSK	1870.00	H	119	369	2.73	1 / 1	23.28	26.01	0.399	33.01	-7.00
	QPSK	1882.50	H	112	368	2.65	1 / 26	22.56	25.21	0.332	33.01	-7.80
	QPSK	1910.00	H	114	365	2.57	1 / 1	22.97	25.54	0.358	33.01	-7.47
5 MHz	16-QAM	1870.00	H	119	369	2.73	1 / 1	21.92	24.65	0.292	33.01	-8.36
	16-QAM	1882.50	H	112	368	2.65	1 / 26	21.82	24.47	0.280	33.01	-8.54
	16-QAM	1910.00	H	114	365	2.57	1 / 1	22.14	24.71	0.296	33.01	-8.30
	$\pi/2$ BPSK	1870.00	H	119	369	2.73	1 / 1	23.33	26.06	0.404	33.01	-6.95
	$\pi/2$ BPSK	1882.50	H	112	368	2.65	1 / 1	22.63	25.28	0.337	33.01	-7.73
	$\pi/2$ BPSK	1912.50	H	114	365	2.57	1 / 12	23.05	25.62	0.365	33.01	-7.39
	QPSK	1870.00	H	119	369	2.73	1 / 1	23.34	26.07	0.404	33.01	-6.95
	QPSK	1882.50	H	112	368	2.65	1 / 1	22.55	25.20	0.331	33.01	-7.81
40 MHz	QPSK	1912.50	H	114	365	2.57	1 / 12	23.01	25.58	0.362	33.01	-7.43
	16-QAM	1870.00	H	119	369	2.73	1 / 1	21.68	24.41	0.276	33.01	-8.60
	16-QAM	1882.50	H	112	368	2.65	1 / 1	21.56	24.21	0.263	33.01	-8.80
	16-QAM	1912.50	H	114	365	2.57	1 / 12	22.26	24.83	0.304	33.01	-8.18
40 MHz	QPSK (CP-OFDM)	1870.00	H	121	365	2.73	1 / 108	21.82	24.55	0.285	33.01	-8.46

Table 7-21. EIRP Data (NR Band n25/2 – Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 110 of 133

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GSM1900	H	228	184	29.09	2.86	31.95	1.567	33.01	-1.06
1880.00	GSM1900	H	221	181	27.74	2.67	30.41	1.099	33.01	-2.60
1909.80	GSM1900	H	214	181	28.23	2.55	30.78	1.197	33.01	-2.23
1850.20	GSM1900	V	146	121	26.54	2.62	29.16	0.825	33.01	-3.85
1850.20	EDGE1900	H	228	184	24.61	2.86	27.47	0.558	33.01	-5.54

Table 7-22. EIRP Data (GPRS PCS – Ant 2)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	V	108	94	16.57	2.60	19.17	0.083	33.01	-13.84
1880.00	WCDMA1900	V	108	52	16.55	2.34	18.89	0.077	33.01	-14.12
1907.60	WCDMA1900	V	108	123	16.00	2.20	18.20	0.066	33.01	-14.81
1852.40	WCDMA1900	H	115	360	15.48	2.84	18.32	0.068	33.01	-14.69

Table 7-23. EIRP Data (WCDMA PCS – Ant 2)

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	1860.00	H	169	183	2.79	1 / 50	16.82	19.61	0.091	33.01	-13.40
	QPSK	1882.50	H	155	198	2.65	1 / 99	16.18	18.83	0.076	33.01	-14.18
	QPSK	1905.00	H	162	185	2.54	1 / 0	17.38	19.92	0.098	33.01	-13.09
	16-QAM	1905.00	H	162	185	2.54	100 / 0	16.37	18.91	0.078	33.01	-14.10
15 MHz	QPSK	1857.50	H	169	183	2.79	1 / 37	16.73	19.53	0.090	33.01	-13.48
	QPSK	1882.50	H	155	198	2.65	1 / 37	16.21	18.86	0.077	33.01	-14.15
	QPSK	1907.50	H	162	185	2.54	1 / 37	17.27	19.82	0.096	33.01	-13.19
	16-QAM	1907.50	H	162	185	2.54	1 / 37	16.29	18.83	0.076	33.01	-14.18
10 MHz	QPSK	1855.00	H	169	183	2.79	1 / 25	16.97	19.76	0.095	33.01	-13.25
	QPSK	1882.50	H	155	198	2.65	1 / 49	16.41	19.06	0.081	33.01	-13.95
	QPSK	1910.00	H	162	185	2.54	1 / 0	17.44	19.98	0.100	33.01	-13.03
	16-QAM	1910.00	H	162	185	2.54	1 / 0	16.73	19.27	0.085	33.01	-13.74
5 MHz	QPSK	1852.50	H	169	183	2.79	1 / 12	16.91	19.70	0.093	33.01	-13.31
	QPSK	1882.50	H	155	198	2.65	1 / 24	16.49	19.14	0.082	33.01	-13.87
	QPSK	1912.50	H	162	185	2.54	1 / 12	17.50	20.04	0.101	33.01	-12.97
	16-QAM	1912.50	H	162	185	2.54	1 / 12	16.48	19.02	0.080	33.01	-13.99
3 MHz	QPSK	1851.50	H	169	183	2.79	1 / 14	16.87	19.66	0.093	33.01	-13.35
	QPSK	1882.50	H	155	198	2.65	1 / 7	16.34	18.99	0.079	33.01	-14.02
	QPSK	1913.50	H	162	185	2.54	1 / 0	17.40	19.94	0.099	33.01	-13.07
	16-QAM	1913.50	H	162	185	2.54	1 / 0	16.30	18.84	0.077	33.01	-14.17
1.4 MHz	QPSK	1850.70	H	169	183	2.79	1 / 0	16.88	19.67	0.093	33.01	-13.34
	QPSK	1882.50	H	155	198	2.65	1 / 3	16.25	18.90	0.078	33.01	-14.11
	QPSK	1914.30	H	162	185	2.54	1 / 3	17.39	19.94	0.099	33.01	-13.07
	16-QAM	1914.30	H	162	185	2.54	1 / 3	16.44	18.99	0.079	33.01	-14.02

Table 7-24. EIRP Data (LTE Band 25/2 – Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 111 of 133

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]
40 MHz	$\pi/2$ BPSK	1870.00	V	244	292	2.43	1 / 108	18.42	20.85	0.122	33.01	-12.16
	$\pi/2$ BPSK	1882.50	V	247	290	2.32	1 / 1	18.22	20.54	0.113	33.01	-12.47
	$\pi/2$ BPSK	1895.00	V	247	290	2.20	1 / 1	18.35	20.55	0.113	33.01	-12.46
	QPSK	1870.00	V	244	292	2.43	1 / 108	18.69	21.12	0.130	33.01	-11.89
	QPSK	1882.50	V	247	290	2.32	1 / 1	18.43	20.75	0.119	33.01	-12.26
	QPSK	1895.00	V	247	290	2.20	1 / 1	18.78	20.98	0.125	33.01	-12.03
35 MHz	16-QAM	1882.50	V	247	290	2.32	1 / 1	16.93	19.25	0.084	33.01	-13.76
	$\pi/2$ BPSK	1870.00	V	244	292	2.43	1 / 94	18.40	20.83	0.121	33.01	-12.18
	$\pi/2$ BPSK	1882.50	V	247	290	2.32	1 / 94	18.18	20.49	0.112	33.01	-12.52
	$\pi/2$ BPSK	1895.00	V	247	290	2.20	1 / 1	18.43	20.63	0.116	33.01	-12.38
	QPSK	1870.00	V	244	292	2.43	1 / 94	18.66	21.10	0.129	33.01	-11.91
	QPSK	1882.50	V	247	290	2.32	1 / 94	18.54	20.86	0.122	33.01	-12.15
30 MHz	QPSK	1895.00	V	247	290	2.20	1 / 1	18.67	20.86	0.122	33.01	-12.15
	16-QAM	1895.00	V	247	290	2.20	1 / 1	17.06	19.26	0.084	33.01	-13.76
	$\pi/2$ BPSK	1865.00	V	244	292	2.43	1 / 80	18.49	20.93	0.124	33.01	-12.08
	$\pi/2$ BPSK	1882.50	V	247	290	2.32	1 / 80	18.30	20.62	0.115	33.01	-12.39
	$\pi/2$ BPSK	1900.00	V	247	290	2.20	1 / 1	18.39	20.59	0.115	33.01	-12.42
	QPSK	1865.00	V	244	292	2.43	1 / 1	18.77	21.20	0.132	33.01	-11.81
25 MHz	QPSK	1882.50	V	247	290	2.32	1 / 80	18.61	20.92	0.124	33.01	-12.09
	QPSK	1900.00	V	247	290	2.20	1 / 1	18.79	20.98	0.125	33.01	-12.03
	16-QAM	1865.00	V	244	292	2.43	1 / 1	17.41	19.85	0.097	33.01	-13.16
	$\pi/2$ BPSK	1862.50	V	244	292	2.43	1 / 1	18.44	20.88	0.122	33.01	-12.13
	$\pi/2$ BPSK	1882.50	V	247	290	2.32	1 / 66	18.31	20.62	0.115	33.01	-12.39
	$\pi/2$ BPSK	1902.50	V	247	290	2.20	1 / 1	18.24	20.44	0.111	33.01	-12.57
20 MHz	QPSK	1862.50	V	244	292	2.43	1 / 1	18.82	21.25	0.133	33.01	-11.76
	QPSK	1882.50	V	247	290	2.32	1 / 66	18.44	20.75	0.119	33.01	-12.26
	QPSK	1902.50	V	247	290	2.20	1 / 1	18.57	20.76	0.119	33.01	-12.25
	16-QAM	1862.50	V	244	292	2.43	1 / 1	17.43	19.86	0.097	33.01	-13.15
	$\pi/2$ BPSK	1860.00	V	244	292	2.43	1 / 53	18.47	20.91	0.123	33.01	-12.10
	$\pi/2$ BPSK	1882.50	V	247	290	2.32	1 / 104	18.24	20.56	0.114	33.01	-12.45
15 MHz	$\pi/2$ BPSK	1905.00	V	247	290	2.20	1 / 1	18.41	20.61	0.115	33.01	-12.40
	QPSK	1860.00	V	244	292	2.43	1 / 53	18.78	21.22	0.132	33.01	-11.79
	QPSK	1882.50	V	247	290	2.32	1 / 104	18.64	20.95	0.125	33.01	-12.06
	QPSK	1905.00	V	247	290	2.20	1 / 1	18.87	21.07	0.128	33.01	-11.94
	16-QAM	1860.00	V	244	292	2.43	1 / 53	17.59	20.03	0.101	33.01	-12.98
	$\pi/2$ BPSK	1857.50	V	244	292	2.43	1 / 39	18.52	20.96	0.125	33.01	-12.05
10 MHz	$\pi/2$ BPSK	1882.50	V	247	290	2.32	1 / 1	18.27	20.59	0.115	33.01	-12.42
	$\pi/2$ BPSK	1907.50	V	247	290	2.20	1 / 1	18.44	20.63	0.116	33.01	-12.38
	QPSK	1857.50	V	244	292	2.43	1 / 39	18.86	21.29	0.135	33.01	-11.72
	QPSK	1882.50	V	247	290	2.32	1 / 1	18.55	20.86	0.122	33.01	-12.15
	QPSK	1907.50	V	247	290	2.20	1 / 1	18.79	20.98	0.125	33.01	-12.03
	16-QAM	1857.50	V	244	292	2.43	1 / 39	17.29	19.72	0.094	33.01	-13.29
5 MHz	$\pi/2$ BPSK	1855.00	V	244	292	2.43	1 / 1	18.40	20.83	0.121	33.01	-12.18
	$\pi/2$ BPSK	1882.50	V	247	290	2.32	1 / 26	18.19	20.51	0.112	33.01	-12.50
	$\pi/2$ BPSK	1910.00	V	247	290	2.20	1 / 26	18.30	20.50	0.112	33.01	-12.51
	QPSK	1855.00	V	244	292	2.43	1 / 1	18.74	21.17	0.131	33.01	-11.84
	QPSK	1882.50	V	247	290	2.32	1 / 26	18.38	20.70	0.117	33.01	-12.31
	QPSK	1910.00	V	247	290	2.20	1 / 26	18.58	20.78	0.120	33.01	-12.23
40 MHz	16-QAM	1855.00	V	244	292	2.43	1 / 1	17.42	19.86	0.097	33.01	-13.15
	$\pi/2$ BPSK	1852.50	V	244	292	2.43	1 / 12	18.43	20.87	0.122	33.01	-12.14
	$\pi/2$ BPSK	1882.50	V	247	290	2.32	1 / 23	18.33	20.65	0.116	33.01	-12.36
	$\pi/2$ BPSK	1912.50	V	247	290	2.20	1 / 23	18.26	20.46	0.111	33.01	-12.55
	QPSK	1852.50	V	244	292	2.43	1 / 12	18.72	21.15	0.130	33.01	-11.86
	QPSK	1882.50	V	247	290	2.32	1 / 23	18.56	20.87	0.122	33.01	-12.14
40 MHz	QPSK	1912.50	V	247	290	2.20	1 / 23	18.44	20.64	0.116	33.01	-12.37
	16-QAM	1852.50	V	244	292	2.43	1 / 12	17.46	19.90	0.098	33.01	-13.11
40 MHz	QPSK (CP-OFDM)	1870.00	V	254	283	2.43	1 / 1	17.95	20.38	0.109	33.01	-12.63

Table 7-25. EIRP Data (NR Band n25/2 – Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 112 of 133

7.8 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: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 113 of 133

Test Setup

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

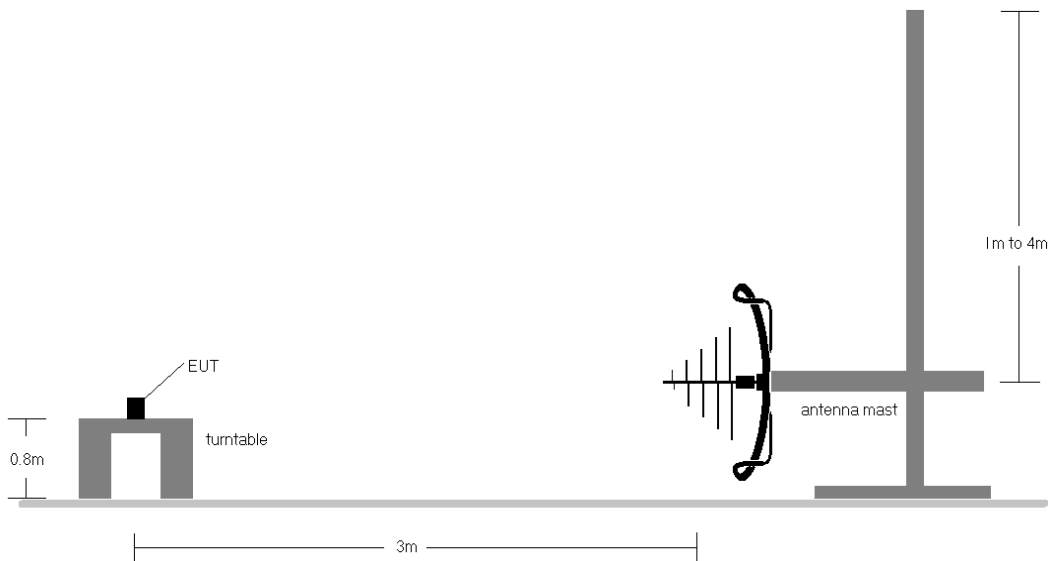


Figure 7-7. Test Instrument & Measurement Setup < 1GHz

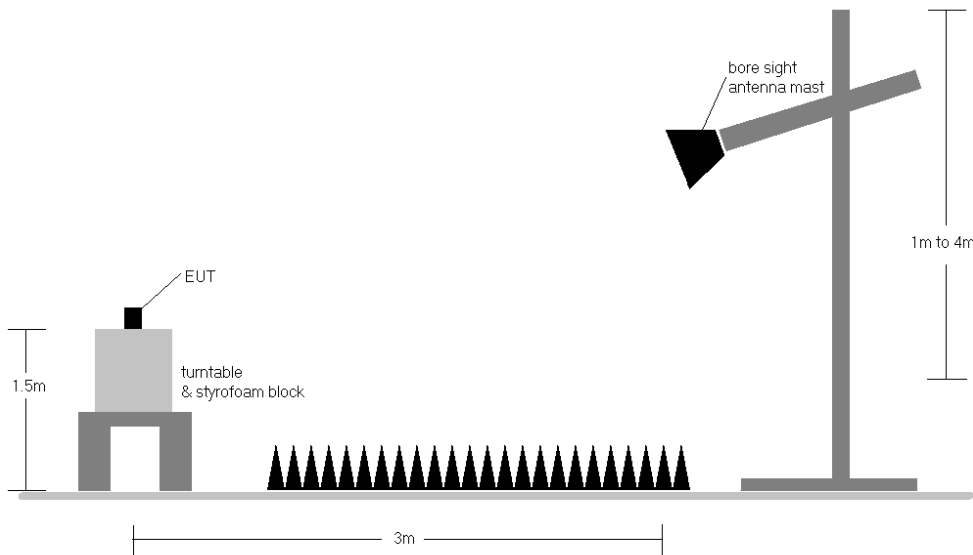


Figure 7-8. Test Instrument & Measurement Setup >1 GHz

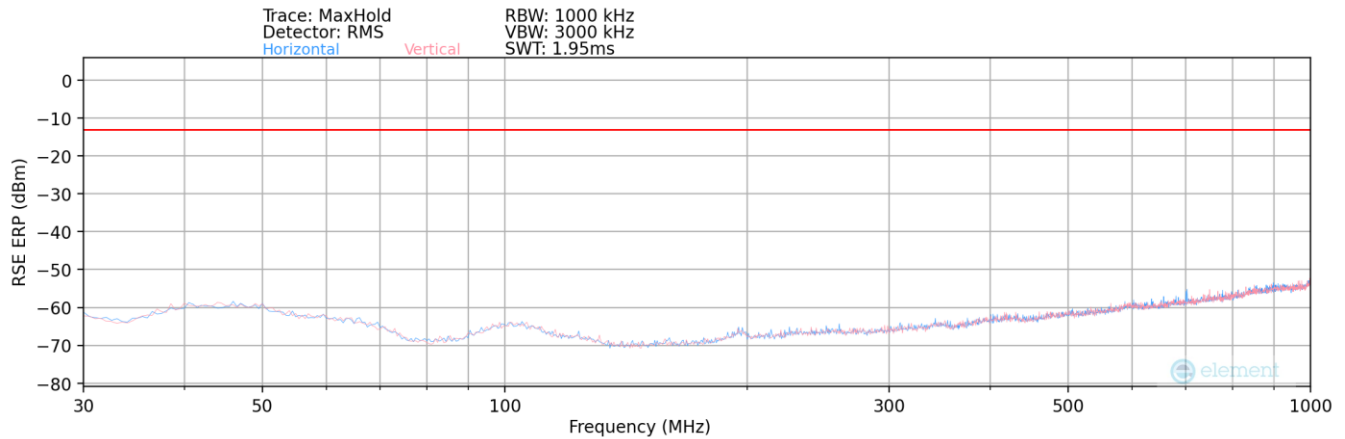
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 114 of 133

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) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 3) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 4) 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.
- 5) This unit was tested with its standard battery.
- 6) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 7) 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.
- 8) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 9) 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.
- 10) 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.

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 115 of 133

LTE Band 25/2 – Ant 2

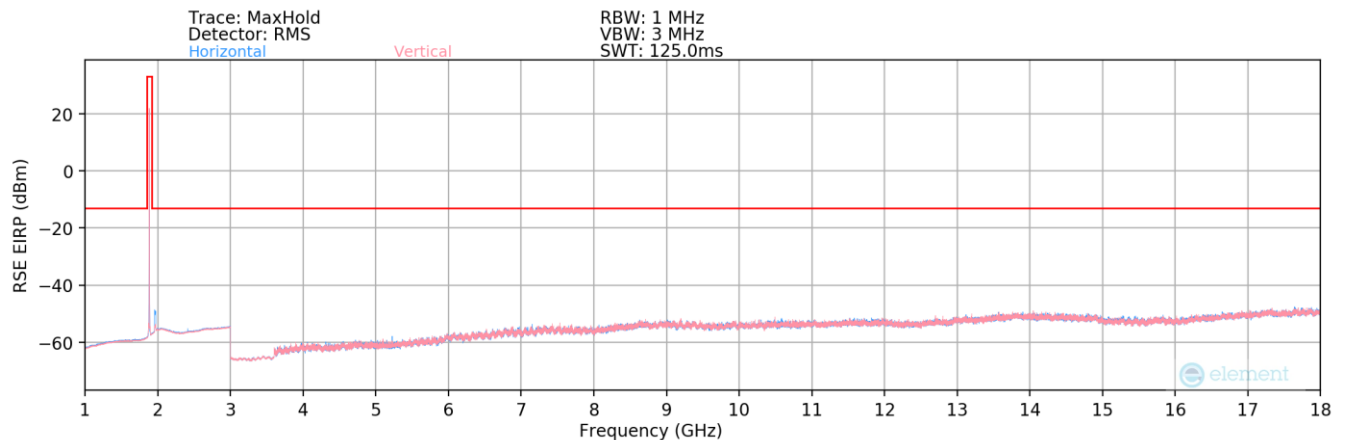


Plot 7-139. Radiated Spurious Plot (LTE Band 25/2 - Ant 2)

Bandwidth (MHz):	20
Frequency (MHz):	1905
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]
702.00	H	-	-	-87.07	-3.58	16.35	-81.06	-13.00	-68.06

Table 7-26. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant 2)



Plot 7-140. Radiated Spurious Plot (LTE Band 25/2 - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 116 of 133

Bandwidth (MHz):	20
Frequency (MHz):	1860
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]
3720.00	H	113	354	-72.40	5.49	40.09	-55.17	-13.00	-42.17
5580.00	H	-	-	-79.81	8.34	35.53	-59.73	-13.00	-46.73
7440.00	H	290	11	-80.24	12.59	39.35	-55.90	-13.00	-42.90
9300.00	H	-	-	-82.04	14.62	39.58	-55.68	-13.00	-42.68
11160.00	H	-	-	-82.33	17.65	42.32	-52.94	-13.00	-39.94
13020.00	H	-	-	-82.32	19.76	44.44	-50.82	-13.00	-37.82

Table 7-27. Radiated Spurious Data (LTE Band 25/2 – Low Channel - Ant 2)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
3765.00	H	171	242	-72.37	5.65	40.28	-54.98	-13.00	-41.98
5647.50	H	291	157	-79.65	8.26	35.61	-59.65	-13.00	-46.65
7530.00	H	293	19	-80.81	13.01	39.20	-56.06	-13.00	-43.06
9412.50	H	-	-	-82.56	15.48	39.92	-55.34	-13.00	-42.34
11295.00	H	-	-	-82.80	17.95	42.15	-53.10	-13.00	-40.10
13177.50	H	-	-	-92.93	20.20	34.27	-60.99	-13.00	-47.99

Table 7-28. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant 2)

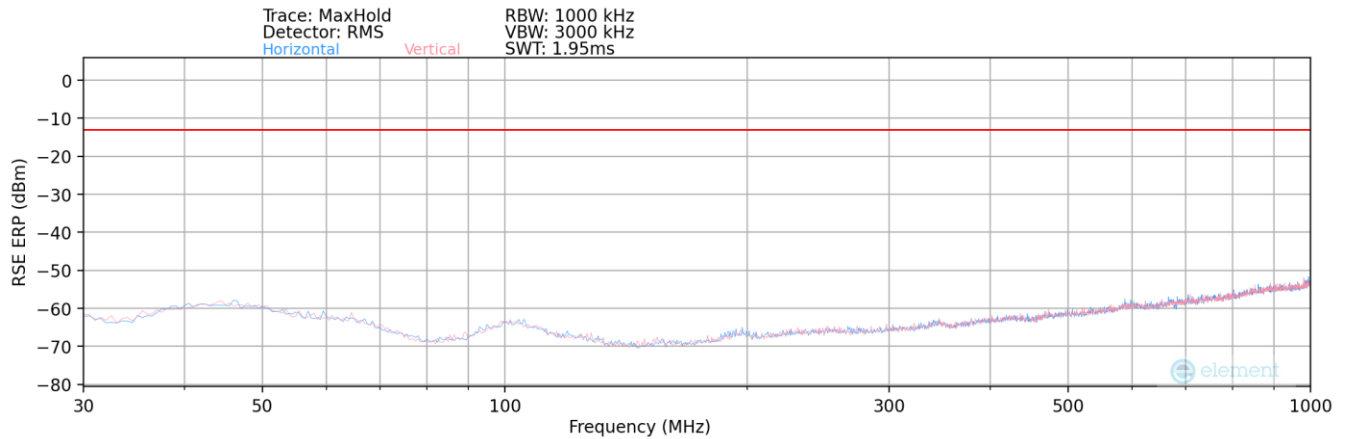
Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 50

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]
3810.00	H	133	6	-70.04	5.91	42.87	-52.39	-13.00	-39.39
5715.00	H	135	343	-80.25	8.41	35.16	-60.09	-13.00	-47.09
7620.00	H	174	11	-79.27	12.79	40.52	-54.74	-13.00	-41.74
9525.00	H	-	-	-82.44	14.81	39.37	-55.89	-13.00	-42.89
11430.00	H	-	-	-83.20	17.96	41.76	-53.49	-13.00	-40.49
13335.00	H	-	-	-82.52	20.40	44.88	-50.38	-13.00	-37.38

Table 7-29. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 117 of 133

NR Band n25/2 – Ant 2

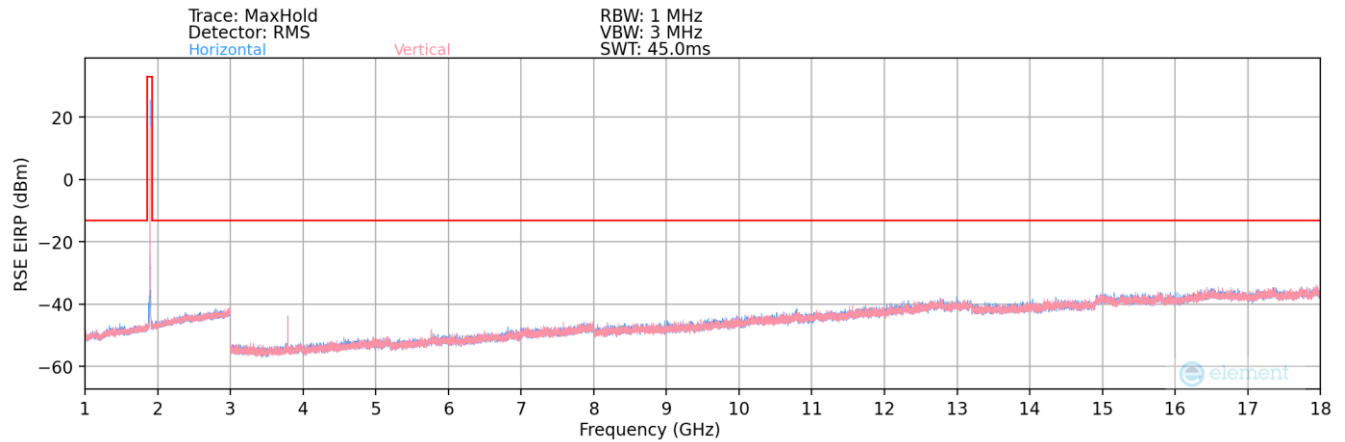


Plot 7-141. Radiated Spurious Plot (NR Band n25/2 - Ant 2)

Bandwidth (MHz):	40
Frequency (MHz):	1870
RB / Offset:	1 / 108

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]
596.00	H	-	-	-85.94	-4.63	16.43	-80.98	-13.00	-67.98

Table 7-30. Radiated Spurious Data (NR Band n25/2 – Low Channel - Ant 2)



Plot 7-142. Radiated Spurious Plot (NR Band n25/2 - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 118 of 133

Bandwidth (MHz):	40
Frequency (MHz):	1870
RB / Offset:	1 / 108

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]
3740.00	H	-	-	-80.26	7.61	34.35	-60.91	-13.00	-47.91
5610.00	H	-	-	-81.16	11.33	37.17	-58.09	-13.00	-45.09
7480.00	H	128	24	-81.52	15.54	41.02	-54.23	-13.00	-41.23
9350.00	H	-	-	-83.12	18.55	42.43	-52.83	-13.00	-39.83
11220.00	H	-	-	-82.94	21.31	45.37	-49.88	-13.00	-36.88
13090.00	H	-	-	-83.59	23.98	47.39	-47.87	-13.00	-34.87

Table 7-31. Radiated Spurious Data (NR Band n25/2 – Low Channel - Ant 2)

Bandwidth (MHz):	40
Frequency (MHz):	1882.5
RB / Offset:	1 / 108

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]
3765.00	H	-	-	-80.14	8.01	34.87	-60.38	-13.00	-47.38
5647.50	H	-	-	-81.35	11.43	37.08	-58.18	-13.00	-45.18
7530.00	H	-	-	-81.95	15.54	40.59	-54.67	-13.00	-41.67

Table 7-32. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant 2)

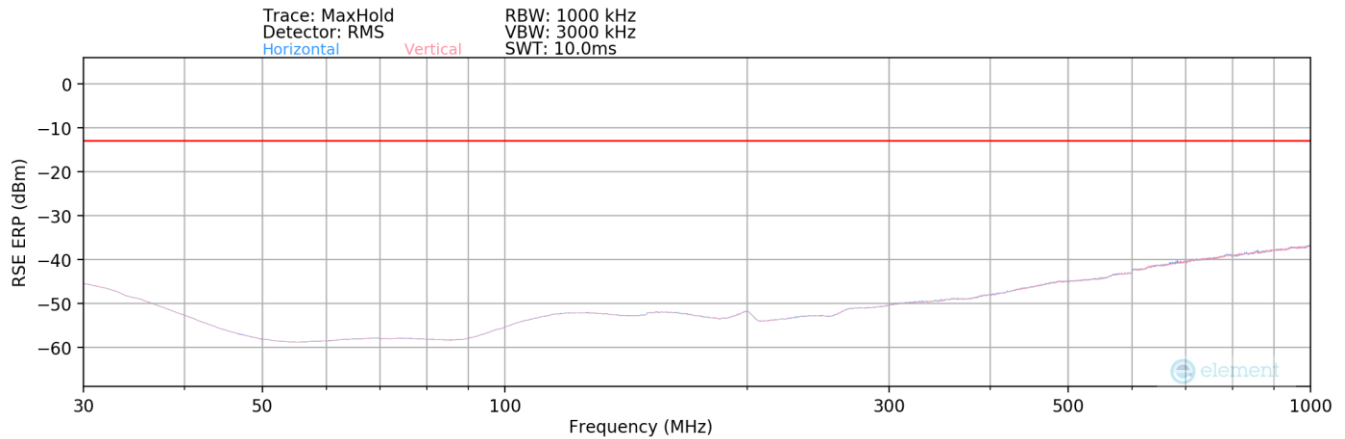
Bandwidth (MHz):	40
Frequency (MHz):	1895
RB / Offset:	1 / 108

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]
3790.00	H	-	-	-80.26	8.21	34.95	-60.31	-13.00	-47.31
5685.00	H	-	-	-81.29	10.97	36.68	-58.58	-13.00	-45.58
7580.00	H	-	-	-82.29	15.67	40.38	-54.88	-13.00	-41.88

Table 7-33. Radiated Spurious Data (NR Band n25/2 – High Channel - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 119 of 133

GSM/GPRS PCS – Ant 2

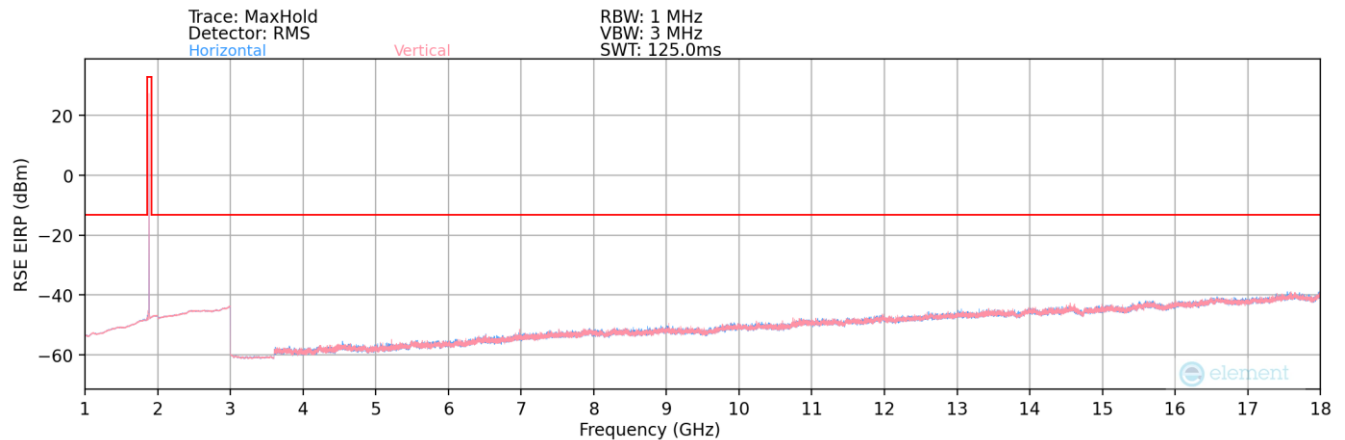


Plot 7-143. Radiated Spurious Plot (GPRS PCS - Ant 2)

Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

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]
683.00	H	-	-	-97.29	28.58	38.29	-59.12	-13.00	-46.12

Table 7-34. Radiated Spurious Data (GPRS PCS – Low Channel - Ant 2)



Plot 7-144. Radiated Spurious Plot (GPRS PCS - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 120 of 133

Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

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]
3700.40	H	176	357	-75.62	7.71	39.09	-56.17	-13.00	-43.17
5550.60	H	191	353	-76.20	11.46	42.26	-52.99	-13.00	-39.99
7400.80	H	191	359	-71.47	14.98	50.51	-44.75	-13.00	-31.75
9251.00	H	-	-	-80.52	17.51	43.99	-51.27	-13.00	-38.27
11101.20	H	-	-	-80.47	20.79	47.32	-47.93	-13.00	-34.93
12951.40	H	-	-	-80.91	23.88	49.97	-45.29	-13.00	-32.29

Table 7-35. Radiated Spurious Data (GPRS PCS – Low Channel - Ant 2)

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

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]
3760.00	H	-	-	-78.78	7.92	36.14	-59.12	-13.00	-46.12
5640.00	H	-	-	-78.96	11.47	39.51	-55.75	-13.00	-42.75
7520.00	H	175	3	-73.54	15.64	49.10	-46.16	-13.00	-33.16
9400.00	H	-	-	-81.05	17.72	43.67	-51.59	-13.00	-38.59
11280.00	H	-	-	-81.16	20.92	46.76	-48.50	-13.00	-35.50
13160.00	H	-	-	-81.04	23.57	49.53	-45.73	-13.00	-32.73

Table 7-36. Radiated Spurious Data (GPRS PCS – Mid Channel - Ant 2)

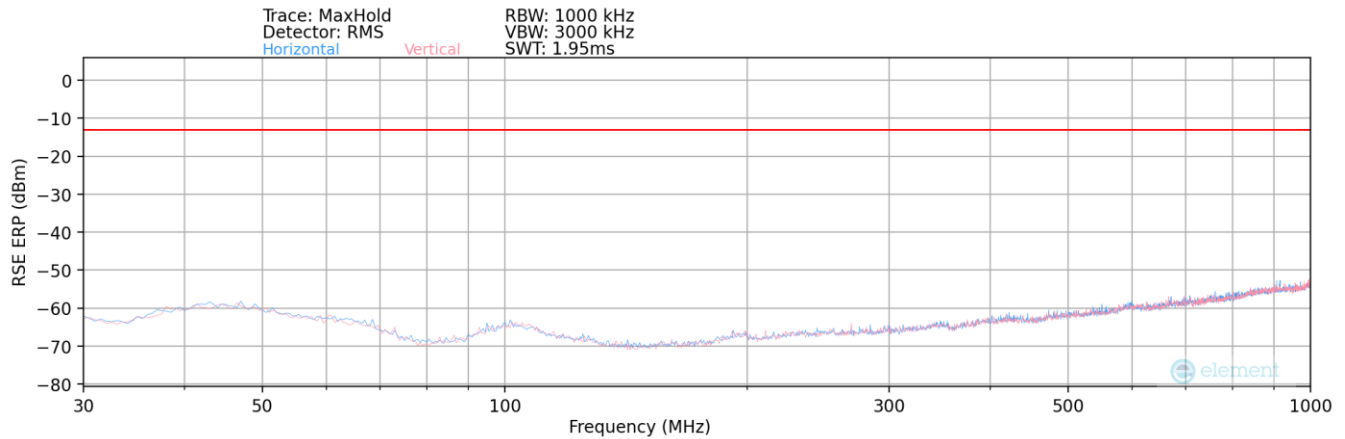
Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

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]
3819.60	H	-	-	-78.61	7.91	36.30	-58.96	-13.00	-45.96
5729.40	H	-	-	-79.41	11.69	39.28	-55.97	-13.00	-42.97
7639.20	H	172	65	-72.39	15.74	50.35	-44.91	-13.00	-31.91
9549.00	H	-	-	-80.82	18.36	44.54	-50.72	-13.00	-37.72
11458.80	H	-	-	-81.16	20.92	46.76	-48.50	-13.00	-35.50
13368.60	H	-	-	-80.92	24.35	50.43	-44.82	-13.00	-31.82

Table 7-37. Radiated Spurious Data (GPRS PCS – High Channel - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 121 of 133

WCDMA PCS – Ant 2

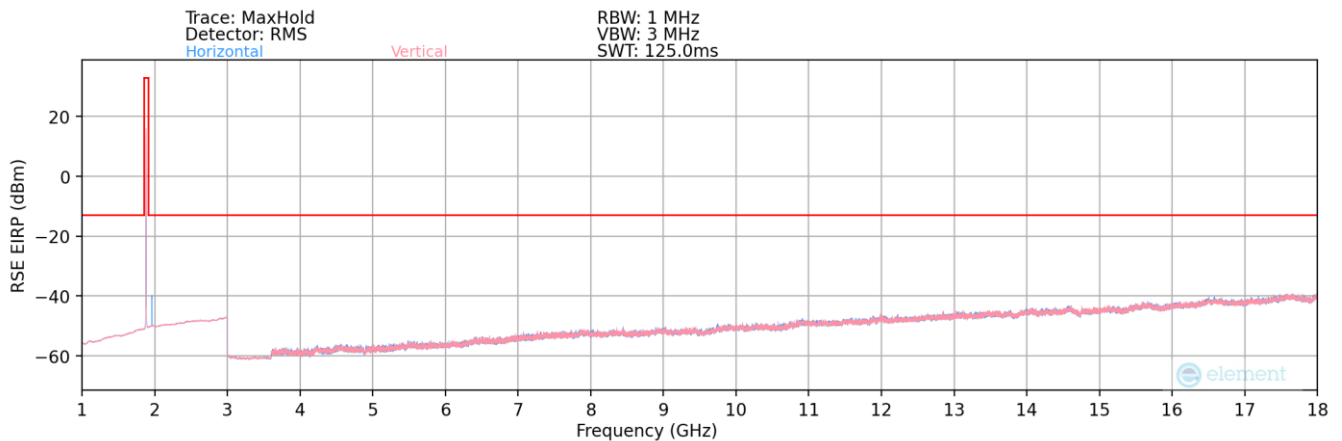


Plot 7-145. Radiated Spurious Plot (WCDMA PCS - Ant 2)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

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]
549.00	H	-	-	-85.53	-6.07	15.40	-82.01	-13.00	-69.01

Table 7-38. Radiated Spurious Data (WCDMA PCS – Mid Channel - Ant 2)



Plot 7-146. Radiated Spurious Plot (WCDMA PCS - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 122 of 133

Mode:	WCDMA RMC
Channel:	9262
Frequency (MHz):	1852.4

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]
3704.80	H	-	-	-79.67	5.31	32.64	-62.62	-13.00	-49.62
5557.20	H	-	-	-79.92	8.44	35.52	-59.74	-13.00	-46.74
7409.60	H	-	-	-81.29	12.74	38.45	-56.81	-13.00	-43.81

Table 7-39. Radiated Spurious Data (WCDMA PCS – Low Channel - Ant 2)

Mode:	WCDMA RMC
Channel:	9400
Frequency (MHz):	1880

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]
3760.00	H	-	-	-79.99	5.63	32.64	-62.61	-13.00	-49.61
5640.00	H	-	-	-80.17	8.18	35.01	-60.24	-13.00	-47.24
7520.00	H	-	-	-81.84	12.96	38.12	-57.14	-13.00	-44.14

Table 7-40. Radiated Spurious Data (WCDMA PCS – Mid Channel - Ant 2)

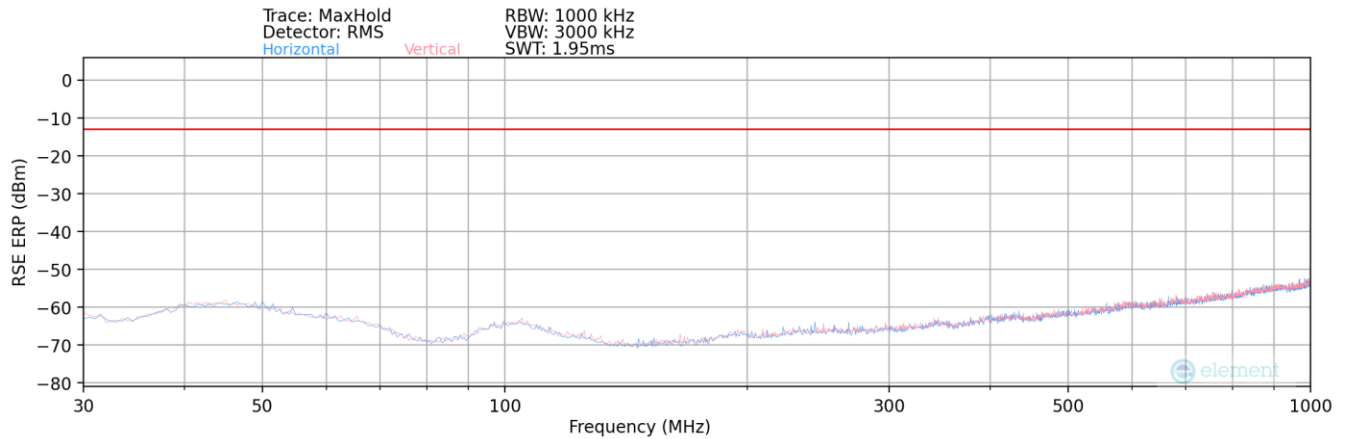
Mode:	WCDMA RMC
Channel:	9538
Frequency (MHz):	1907.6

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]
3815.20	H	-	-	-79.77	5.89	33.12	-62.13	-13.00	-49.13
5722.80	H	-	-	-80.49	8.47	34.98	-60.27	-13.00	-47.27
7630.40	H	-	-	-81.31	12.76	38.45	-56.81	-13.00	-43.81

Table 7-41. Radiated Spurious Data (WCDMA PCS – High Channel - Ant 2)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 123 of 133

LTE Band 25/2 – Ant 4

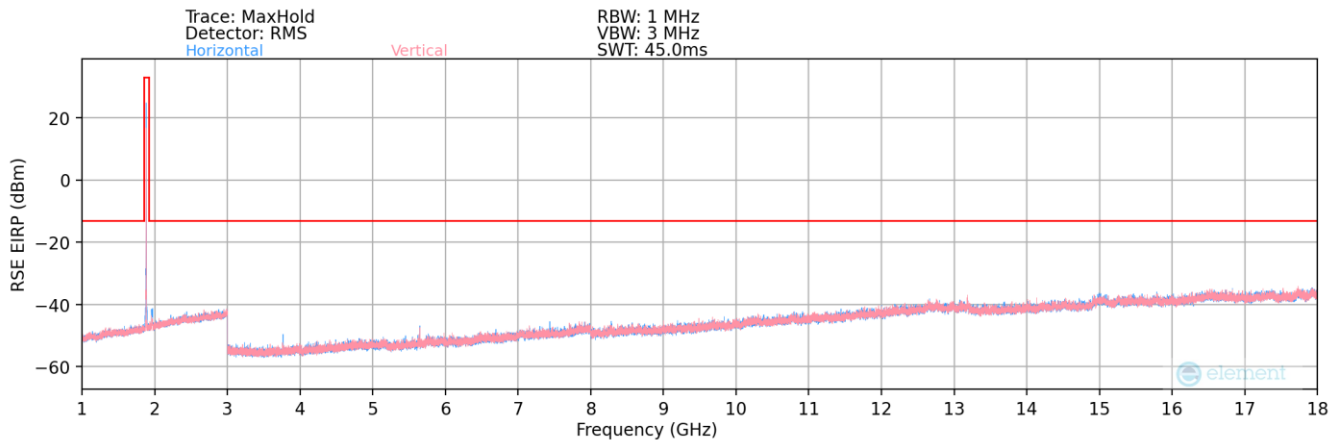


Plot 7-147. Radiated Spurious Plot (LTE Band 25/2 - Ant 4)

Bandwidth (MHz):	20
Frequency (MHz):	1860
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]
250.00	H	-	-	-82.83	-11.97	12.20	-85.21	-13.00	-72.21

Table 7-42. Radiated Spurious Data (LTE Band 25/2 – Low Channel - Ant 4)



Plot 7-148. Radiated Spurious Plot (LTE Band 25/2 - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 124 of 133

Bandwidth (MHz):	20
Frequency (MHz):	1860
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]
3720.00	H	114	204	-68.98	7.65	45.67	-49.59	-13.00	-36.59
5580.00	H	-	-	-81.16	11.46	37.30	-57.96	-13.00	-44.96
7440.00	H	-	-	-82.23	15.33	40.10	-55.16	-13.00	-42.16
9300.00	H	-	-	-82.86	17.79	41.93	-53.33	-13.00	-40.33

Table 7-43. Radiated Spurious Data (LTE Band 25/2 – Low Channel - Ant 4)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
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]
3765.00	H	103	203	-72.87	8.01	42.14	-53.11	-13.00	-40.11
5647.50	H	110	199	-76.64	11.43	41.79	-53.47	-13.00	-40.47
7530.00	H	-	-	-82.20	15.54	40.34	-54.92	-13.00	-41.92
9412.50	H	-	-	-82.98	17.94	41.96	-53.30	-13.00	-40.30
11295.00	H	-	-	-83.60	20.86	44.26	-50.99	-13.00	-37.99

Table 7-44. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant 4)

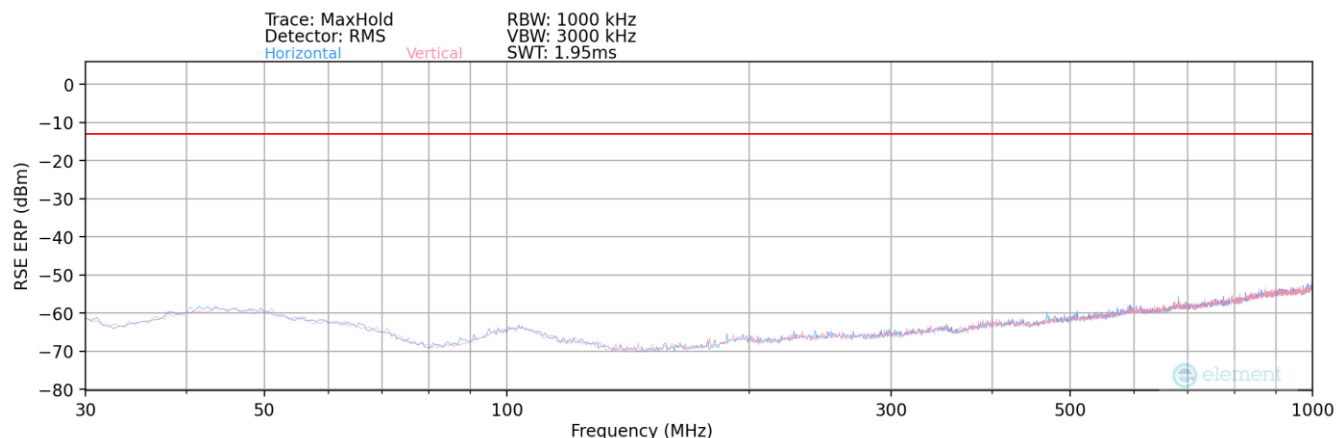
Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 50

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]
3810.00	H	137	224	-73.73	8.09	41.36	-53.89	-13.00	-40.89
5715.00	H	138	226	-79.04	11.32	39.28	-55.98	-13.00	-42.98
7620.00	H	-	-	-82.22	15.76	40.54	-54.72	-13.00	-41.72
9525.00	H	-	-	-83.05	18.05	42.00	-53.26	-13.00	-40.26
11430.00	H	-	-	-83.68	21.34	44.66	-50.60	-13.00	-37.60

Table 7-45. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 125 of 133

NR Band n25/2 – Ant 4

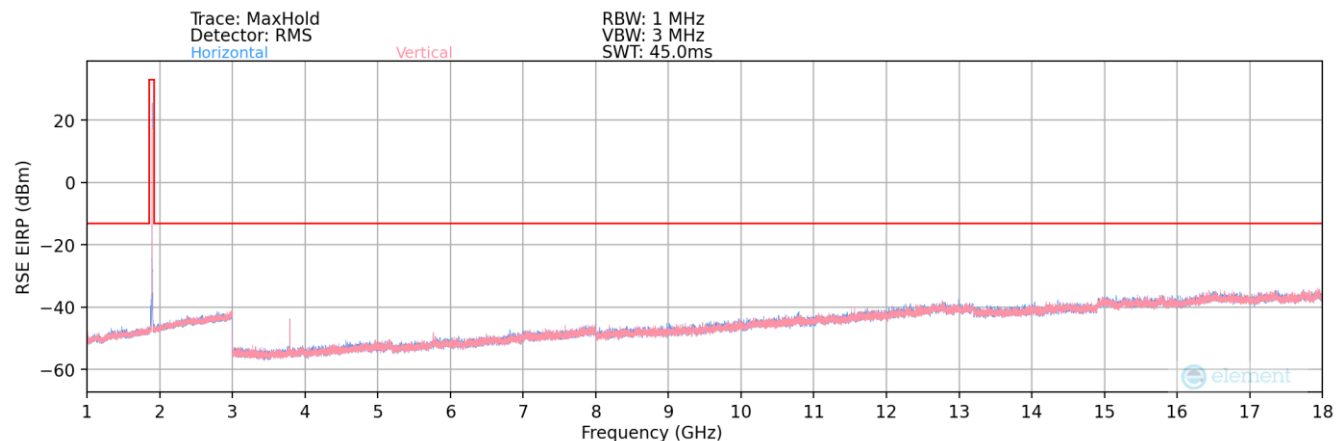


Plot 7-149. Radiated Spurious Plot (NR Band n25/2 - Ant 4)

Bandwidth (MHz):	40
Frequency (MHz):	1882.5
RB / Offset:	1 / 108

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]
482.00	H	-	-	-85.77	-7.04	14.19	-83.22	-13.00	-70.22

Table 7-46. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant 4)



Plot 7-150. Radiated Spurious Plot (NR Band n25/2 - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 126 of 133

Bandwidth (MHz):	40
Frequency (MHz):	1870
RB / Offset:	1 / 108

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]
3740.00	H	110	132	-67.32	7.61	47.29	-47.97	-13.00	-34.97
5610.00	H	-	-	-81.13	11.33	37.20	-58.06	-13.00	-45.06
7480.00	H	-	-	-82.16	15.54	40.38	-54.87	-13.00	-41.87
9350.00	H	-	-	-83.31	18.55	42.24	-53.02	-13.00	-40.02

Table 7-47. Radiated Spurious Data (NR Band n25/2 – Low Channel - Ant 4)

Bandwidth (MHz):	40
Frequency (MHz):	1882.5
RB / Offset:	1 / 108

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]
3765.00	H	109	194	-66.75	8.01	48.26	-46.99	-13.00	-33.99
5647.50	H	-	-	-81.40	11.43	37.03	-58.23	-13.00	-45.23
7530.00	H	-	-	-81.84	15.54	40.70	-54.56	-13.00	-41.56
9412.50	H	-	-	-83.24	17.94	41.70	-53.56	-13.00	-40.56

Table 7-48. Radiated Spurious Data (NR Band n25/2 – Mid Channel - Ant 4)

Bandwidth (MHz):	40
Frequency (MHz):	1895
RB / Offset:	1 / 108

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]
3790.00	H	115	288	-67.13	8.21	48.08	-47.18	-13.00	-34.18
5685.00	H	-	-	-81.15	10.97	36.82	-58.44	-13.00	-45.44
7580.00	H	-	-	-83.59	15.67	39.08	-56.18	-13.00	-43.18
9475.00	H	-	-	-83.04	18.07	42.03	-53.23	-13.00	-40.23

Table 7-49. Radiated Spurious Data (NR Band n25/2 – High Channel - Ant 4)

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 127 of 133

7.9 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 24, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015 – Section 5.6

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

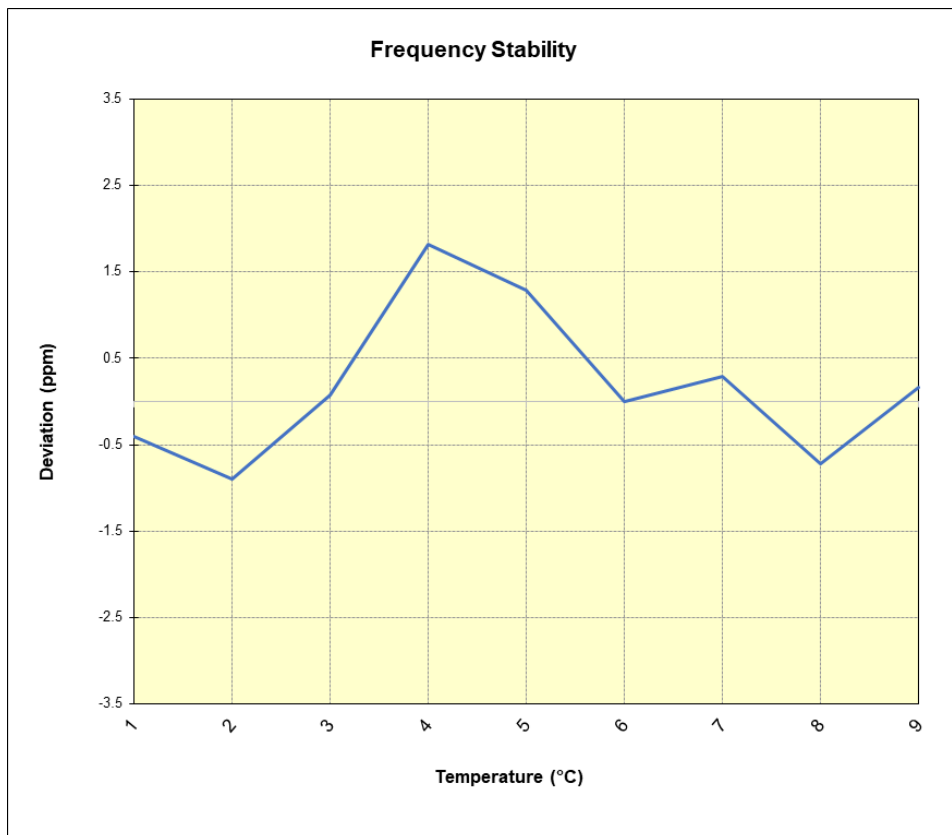
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 128 of 133

LTE Band 25/2

Operating Frequency (Hz):	1,882,500,000
Ref. Voltage (VDC):	4.19

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.19	- 30	1,882,685,147	-765	-0.0000406
		- 20	1,882,684,226	-1,686	-0.0000896
		- 10	1,882,686,044	132	0.0000070
		0	1,882,689,333	3,421	0.0001817
		+ 10	1,882,688,334	2,422	0.0001286
		+ 20 (Ref)	1,882,685,912	0	0.0000000
		+ 30	1,882,686,447	535	0.0000284
		+ 40	1,882,684,555	-1,357	-0.0000721
		+ 50	1,882,686,222	310	0.0000165
Battery Endpoint	3.34	+ 20	1,882,686,333	421	0.0000224

Table 7-50. LTE Band 25/2 Frequency Stability Data



Plot 7-151. LTE Band 25/2 Frequency Stability Chart

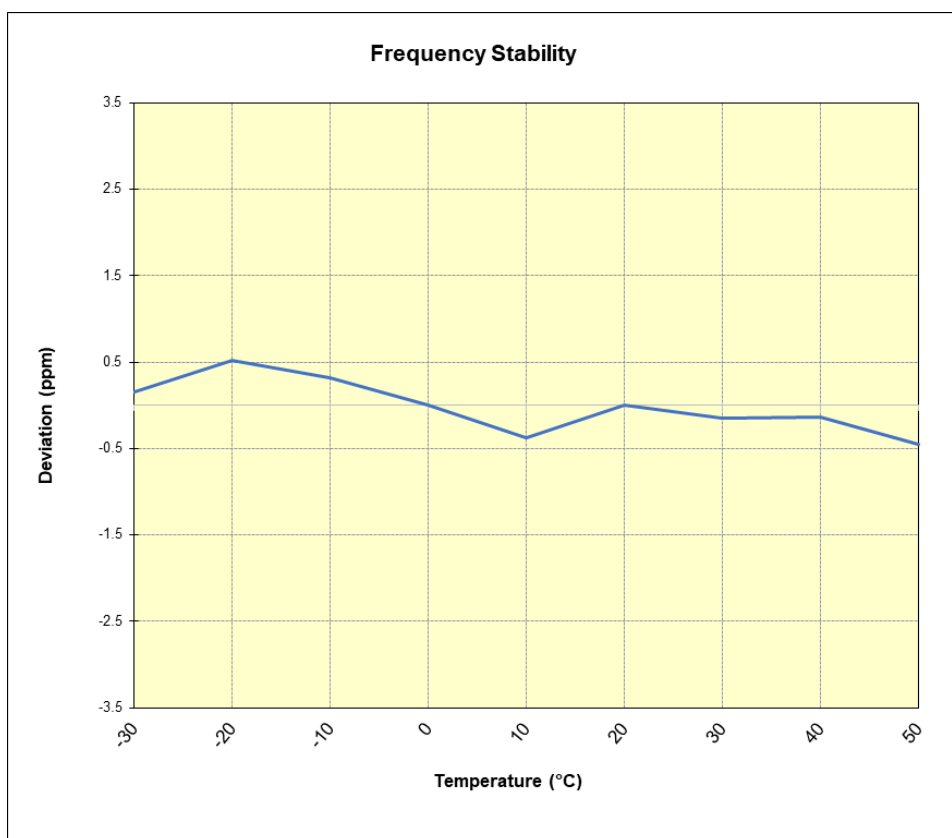
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 129 of 133

NR Band n25/2

Operating Frequency (Hz):	1,882,500,000
Ref. Voltage (VDC):	4.19

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.19	- 30	1,882,585,333	295	0.0000157
		- 20	1,882,586,011	973	0.0000517
		- 10	1,882,585,633	595	0.0000316
		0	1,882,585,047	9	0.0000005
		+ 10	1,882,584,339	-699	-0.0000371
		+ 20 (Ref)	1,882,585,038	0	0.0000000
		+ 30	1,882,584,765	-273	-0.0000145
		+ 40	1,882,584,781	-257	-0.0000137
		+ 50	1,882,584,196	-842	-0.0000447
Battery Endpoint	3.34	+ 20	1,882,585,339	301	0.0000160

Table 7-51. NR Band n25/2 Frequency Stability Data



Plot 7-152. NR Band n25/2 Frequency Stability Chart

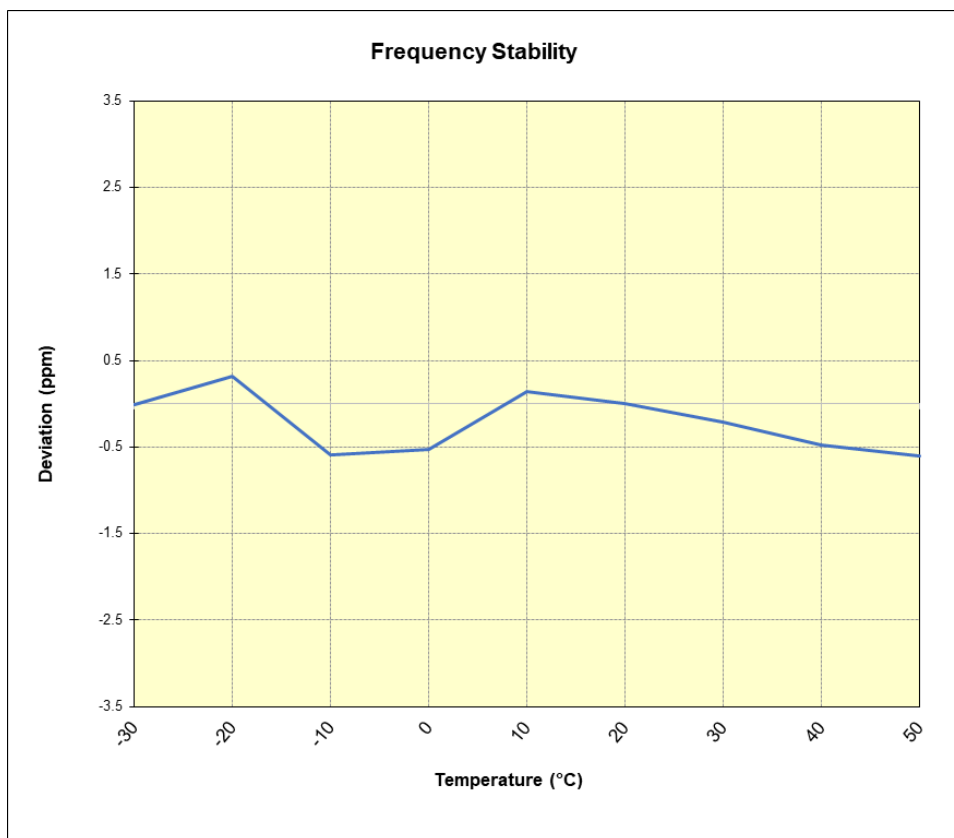
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 130 of 133

GSM/GPRS PCS

Operating Frequency (Hz):	1,880,000,000
Ref. Voltage (VDC):	4.19

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.19	- 30	1,880,007,745	-15	-0.0000008
		- 20	1,880,008,354	594	0.0000316
		- 10	1,880,006,658	-1,102	-0.0000586
		0	1,880,006,783	-977	-0.0000520
		+ 10	1,880,008,031	271	0.0000144
		+ 20 (Ref)	1,880,007,760	0	0.0000000
		+ 30	1,880,007,362	-398	-0.0000212
		+ 40	1,880,006,857	-903	-0.0000480
		+ 50	1,880,006,619	-1,141	-0.0000607
Battery Endpoint	3.34	+ 20	1,880,008,664	904	0.0000481

Table 7-52. GSM/GPRS PCS Frequency Stability Data



Plot 7-153. GSM/GPRS PCS Frequency Stability Chart

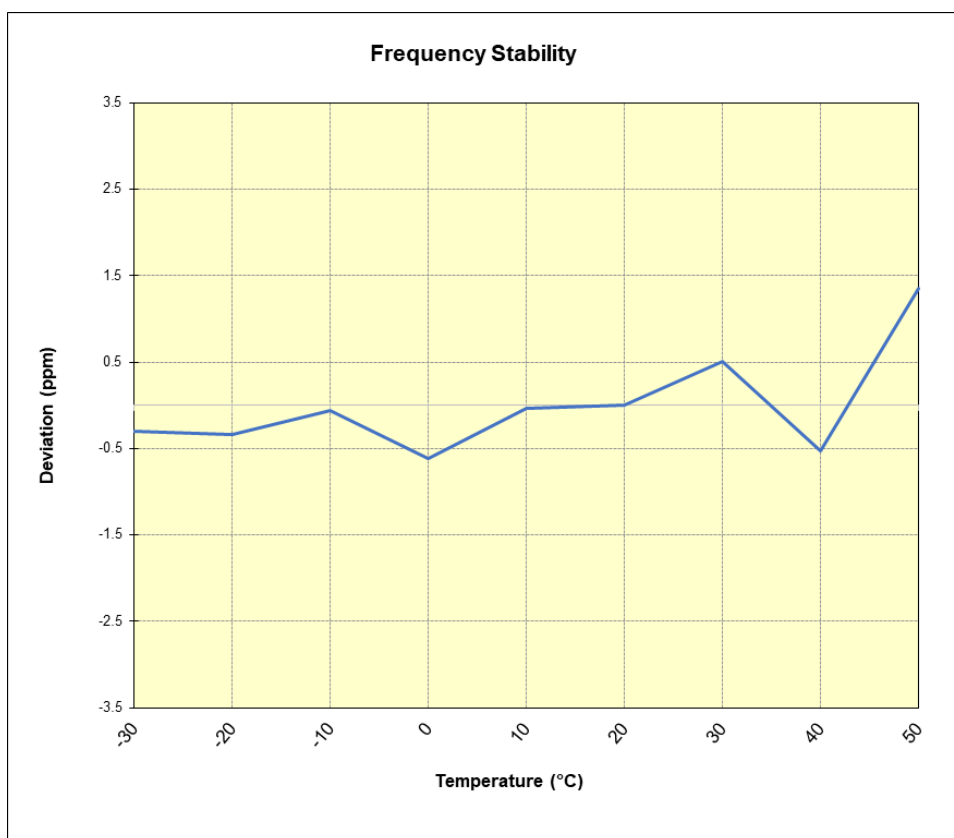
FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 131 of 133

WCDMA PCS

Operating Frequency (Hz):	1,880,000,000
Ref. Voltage (VDC):	4.19

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.19	- 30	1,880,004,893	-552	-0.0000294
		- 20	1,880,004,812	-633	-0.0000337
		- 10	1,880,005,331	-114	-0.0000061
		0	1,880,004,286	-1,159	-0.0000616
		+ 10	1,880,005,390	-55	-0.0000029
		+ 20 (Ref)	1,880,005,445	0	0.0000000
		+ 30	1,880,006,411	966	0.0000514
		+ 40	1,880,004,446	-999	-0.0000531
		+ 50	1,880,007,999	2,554	0.0001359
Battery Endpoint	3.34	+ 20	1,880,005,514	69	0.0000037

Table 7-53. WCDMA PCS Frequency Stability Data



Plot 7-154. WCDMA PCS Frequency Stability Chart

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 132 of 133

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset** **FCC ID: A3LSMG766U** complies with all the requirements of Part 24 of the FCC rules.

FCC ID: A3LSMG766U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-08.A3L	Test Dates: 1/6/2025 - 2/28/2025	EUT Type: Portable Handset	Page 133 of 133