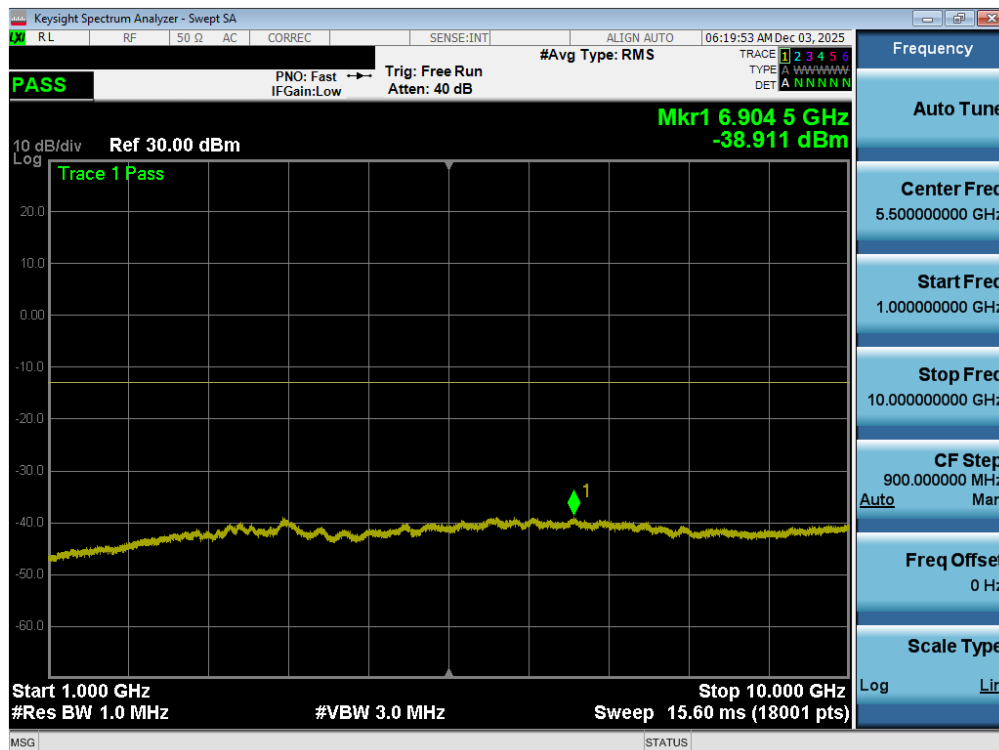
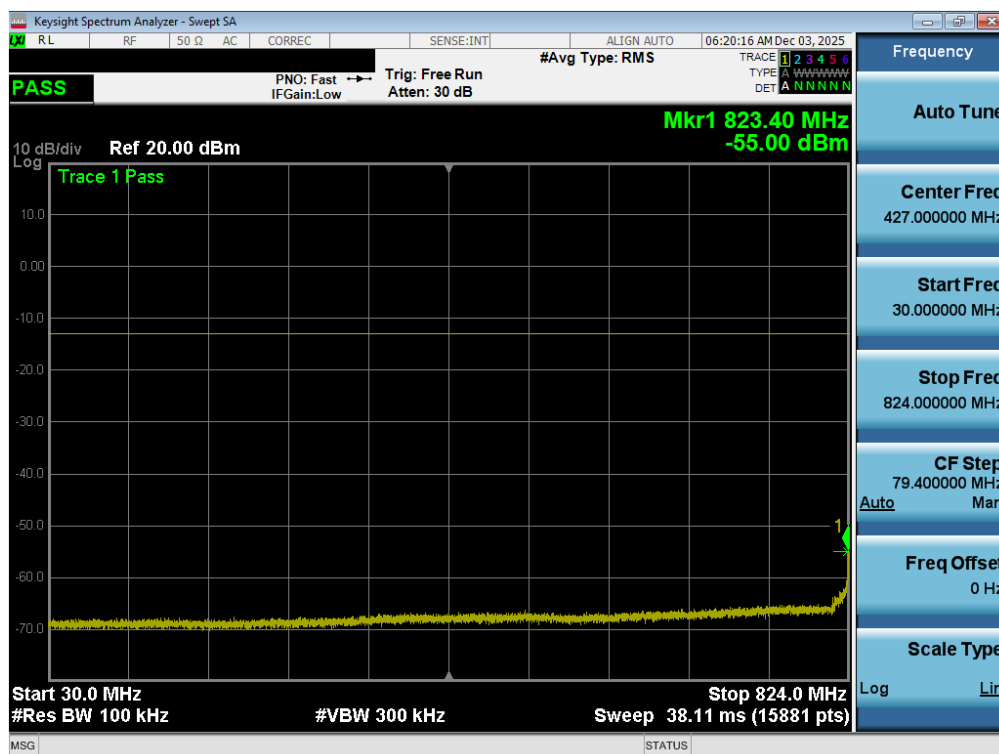


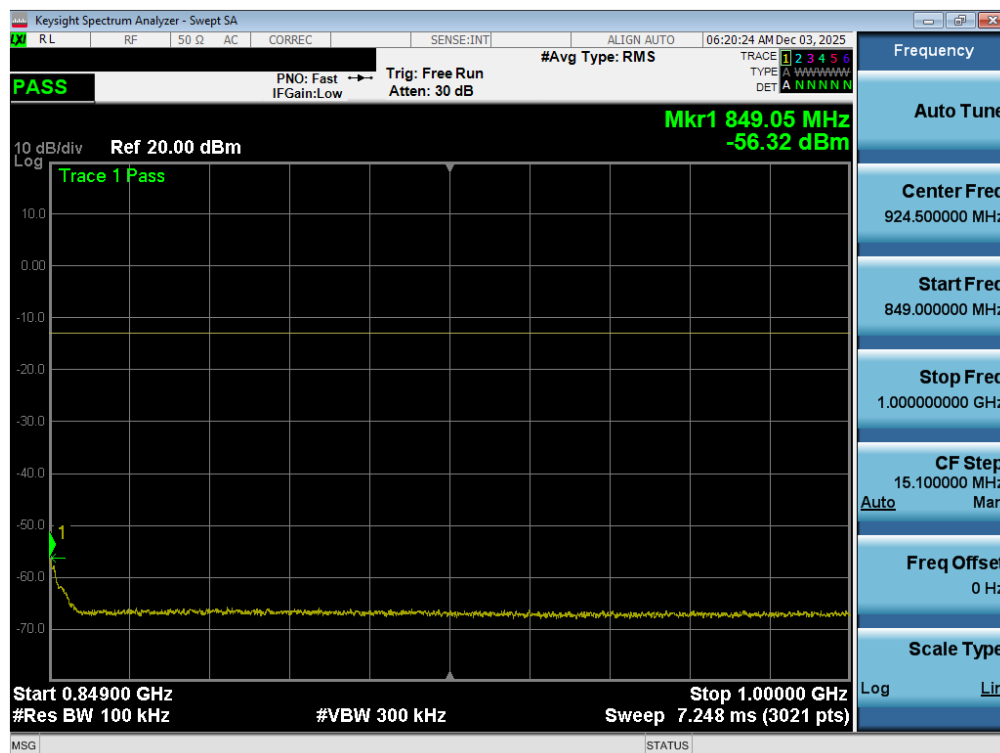


Plot 7-116. Conducted Spurious Plot (WCDMA Ch. 4132 – Ant2)

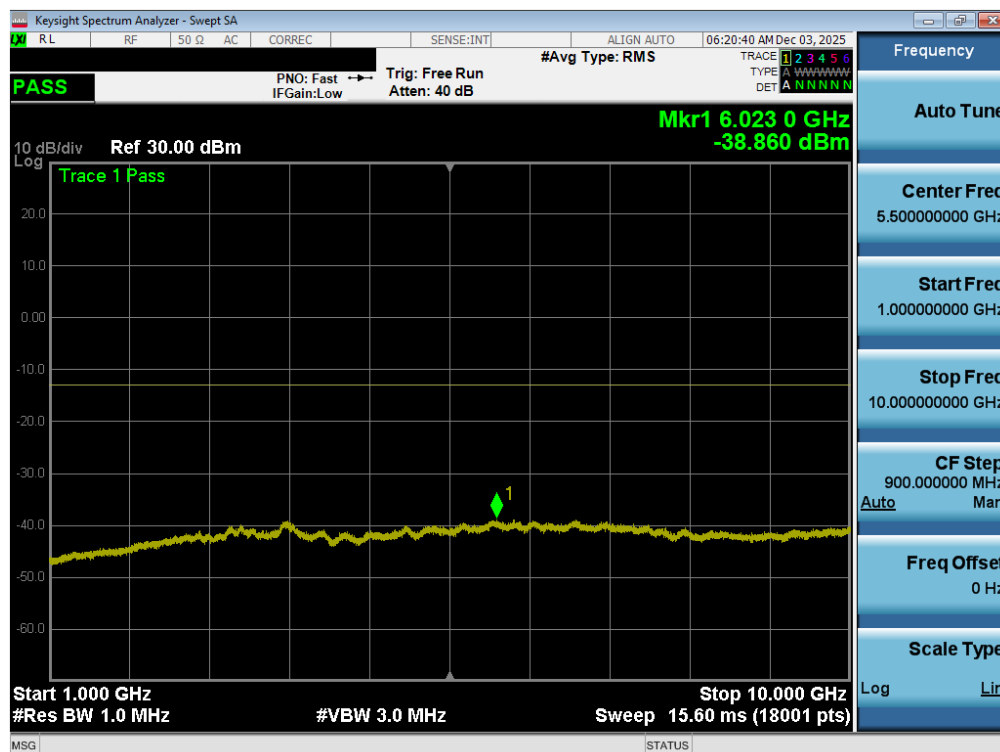


Plot 7-117. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 87 of 162

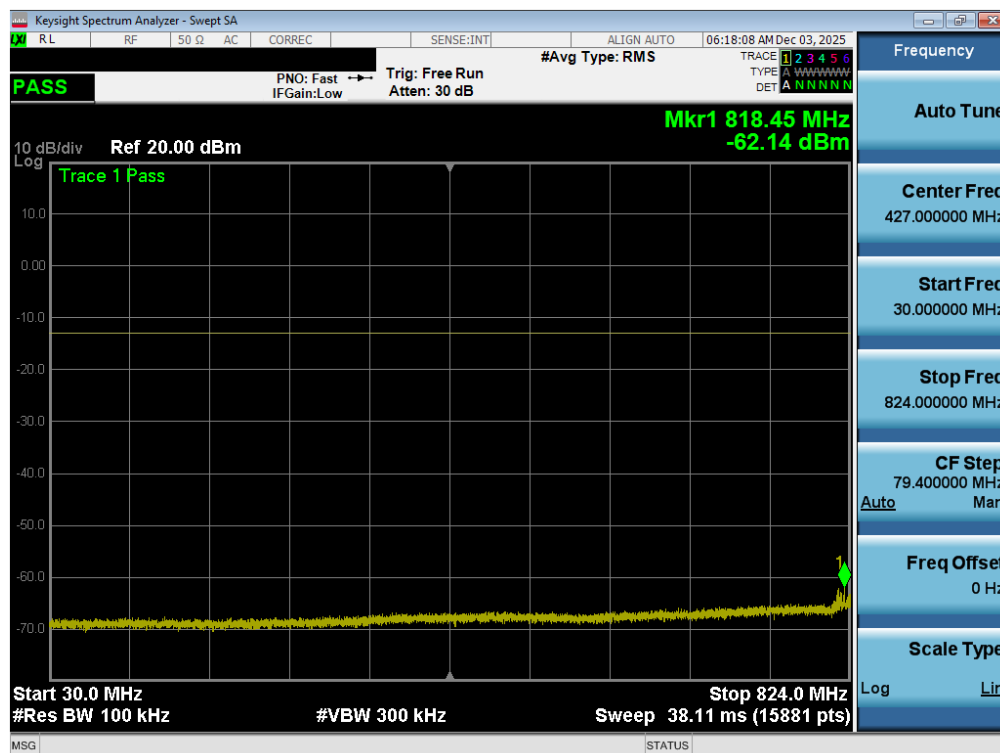


Plot 7-118. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant2)

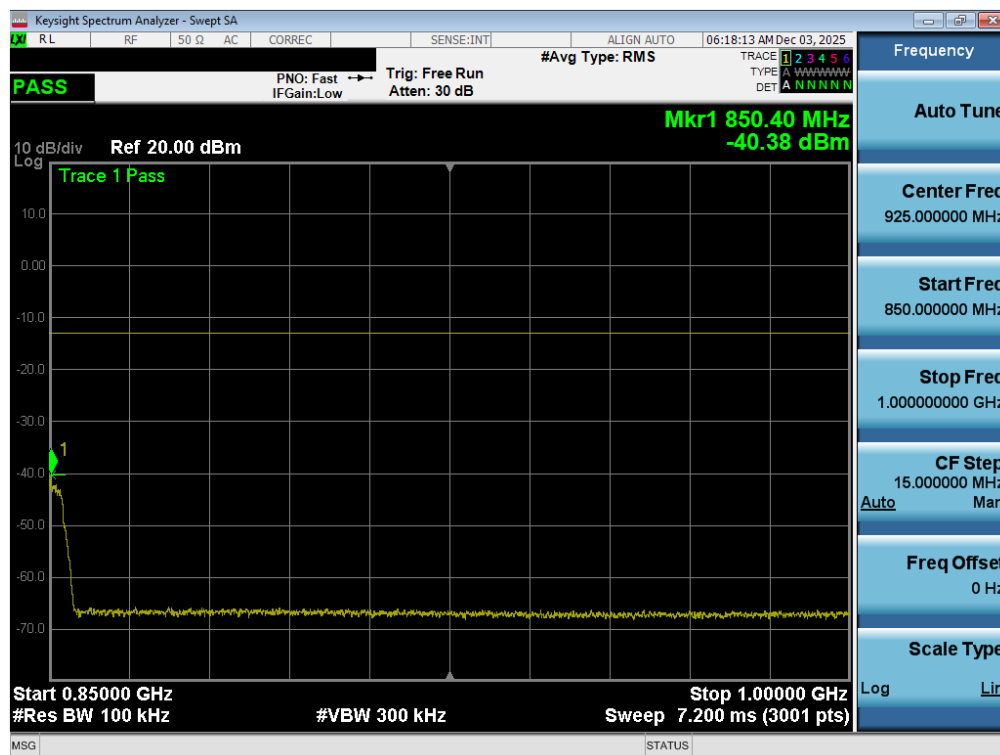


Plot 7-119. Conducted Spurious Plot (WCDMA Ch. 4183 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 88 of 162

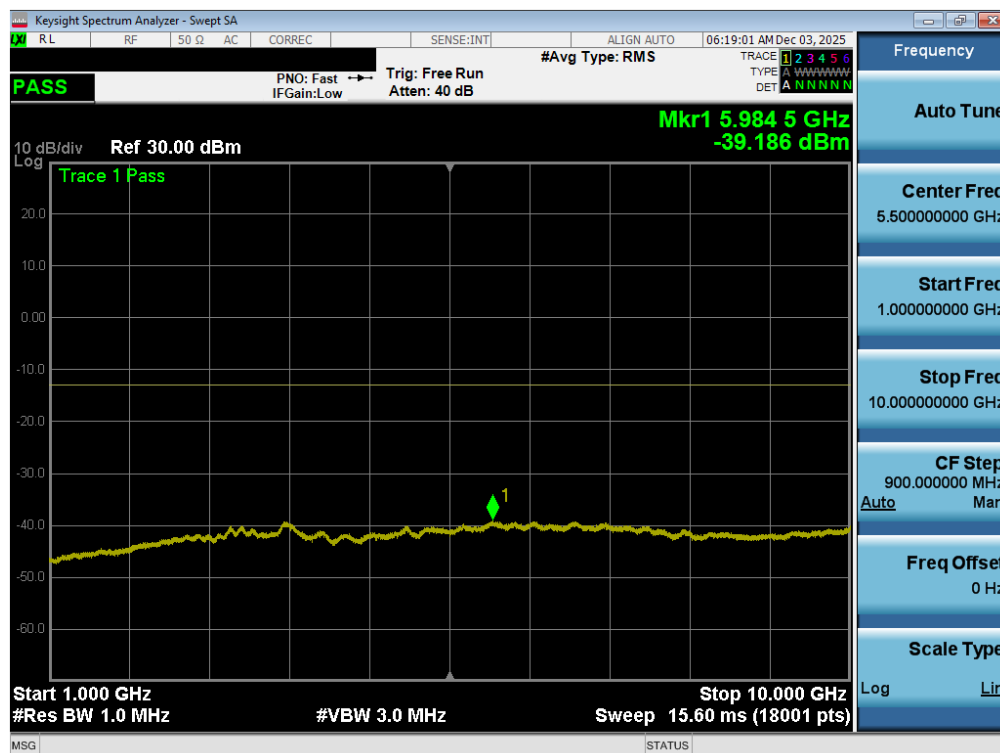


Plot 7-120. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant2)



Plot 7-121. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 89 of 162



Plot 7-122. Conducted Spurious Plot (WCDMA Ch. 4233 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 90 of 162

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. $\text{RBW} \geq 1\%$ of the emission bandwidth
4. $\text{VBW} \geq 3 \times \text{RBW}$
5. Detector = RMS
6. Number of sweep points $\geq 2 \times \text{Span}/\text{RBW}$
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.

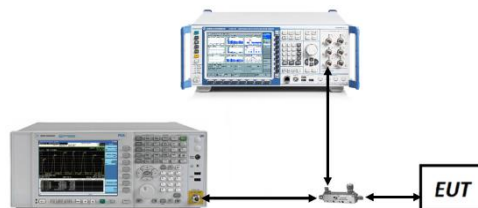


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 91 of 162

Test Notes

1. Per 22.917(b), 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.

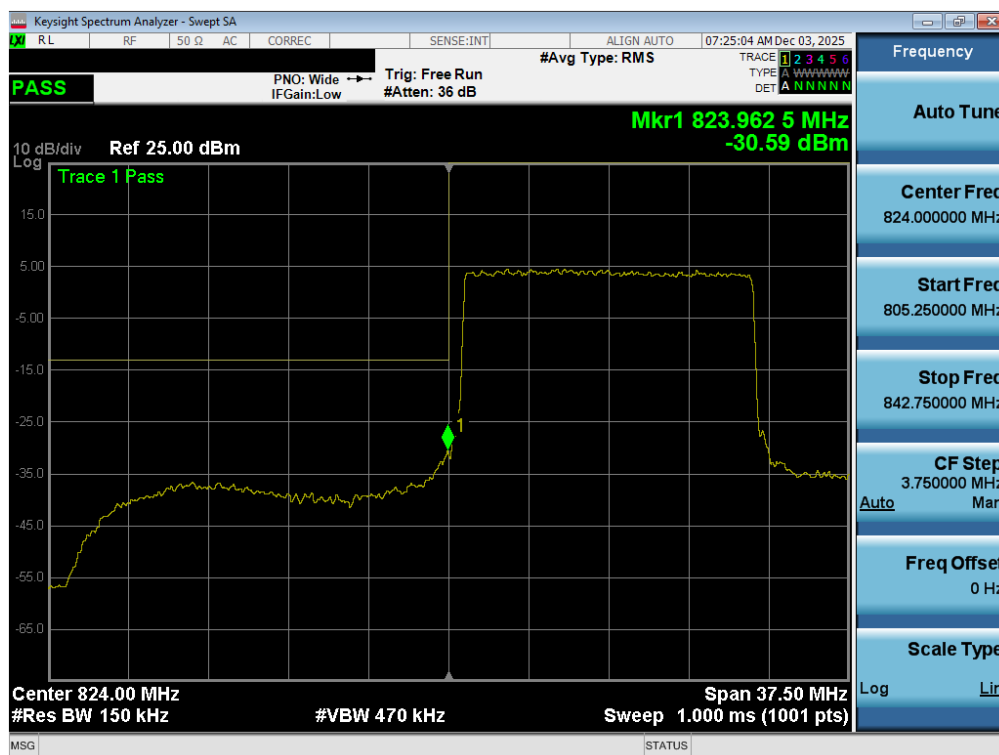
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 92 of 162

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250kHz	Low	Band Edge	-15.73	-13	-2.73
		High	Band Edge	-33.46	-13	-20.46
WCDMA-Cell	5MHz	Low	Band Edge	-21.25	-13	-8.25
		High	Band Edge	-20.08	-13	-7.08
LTE-B26-5	15 MHz	Low	Band Edge	-30.59	-13	-17.59
		High	Band Edge	-29.51	-13	-16.51
	10 MHz	Low	Band Edge	-26.25	-13	-13.25
		High	Band Edge	-29.58	-13	-16.58
	5 MHz	Low	Band Edge	-20.12	-13	-7.12
		High	Band Edge	-22.20	-13	-9.20
	3 MHz	Low	Band Edge	-18.62	-13	-5.62
		High	Band Edge	-17.90	-13	-4.90
	1.4 MHz	Low	Band Edge	-16.69	-13	-3.69
		High	Band Edge	-15.79	-13	-2.79
NR-n26-5	20 MHz	Low	Band Edge	-28.86	-13	-15.86
		High	Band Edge	-34.21	-13	-21.21
	15 MHz	Low	Band Edge	-30.73	-13	-17.73
		High	Band Edge	-31.34	-13	-18.34
	10 MHz	Low	Band Edge	-25.62	-13	-12.62
		High	Band Edge	-31.47	-13	-18.47
	5 MHz	Low	Band Edge	-21.67	-13	-8.67
		High	Band Edge	-21.95	-13	-8.95

Table 7-8. Conducted Band Edge Results – Ant1

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5 – Ant1

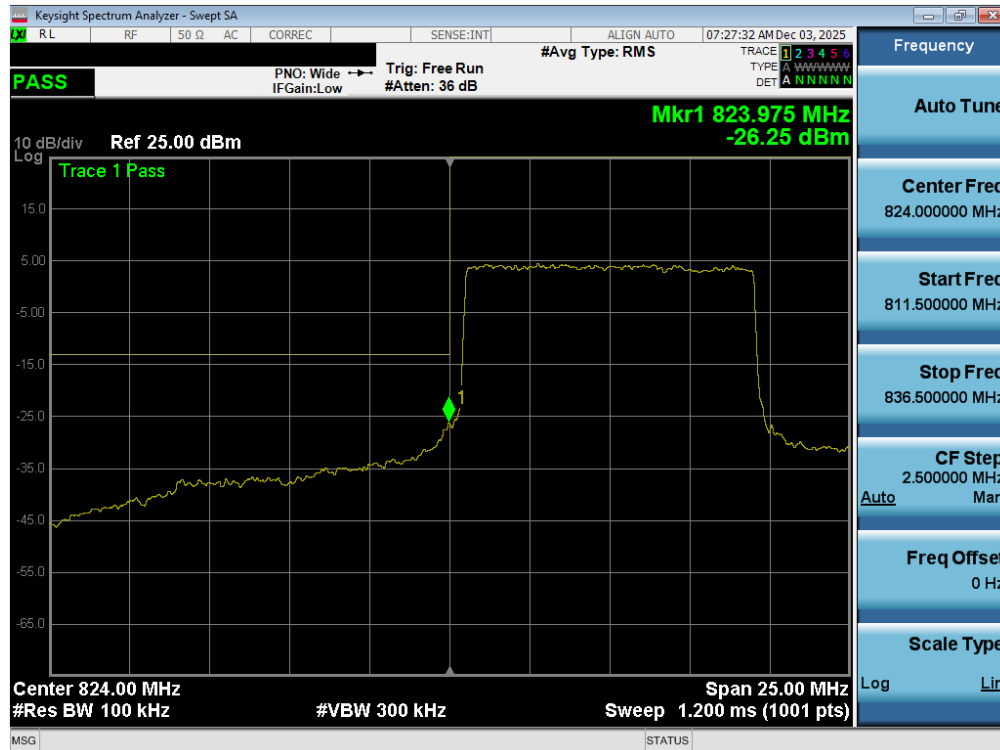


Plot 7-123. Lower Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant1)



Plot 7-124. Upper Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 94 of 162

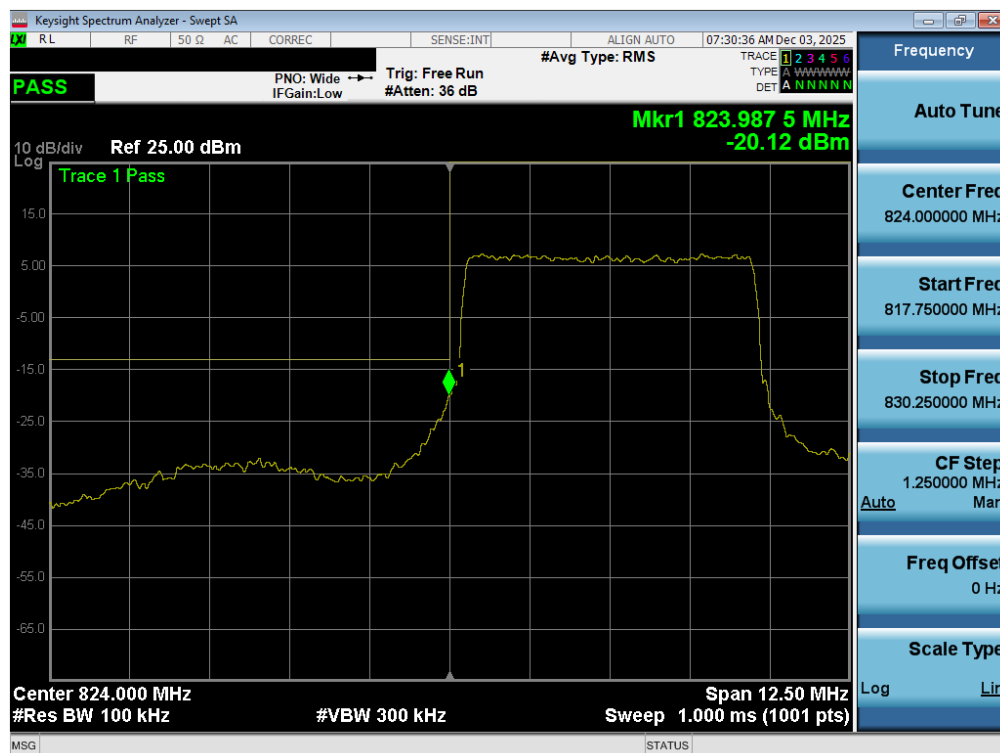


Plot 7-125. Lower Band Edge Plot (LTE Band 26/5 - 10MHz QPSK – Full RB - Ant1)



Plot 7-126. Upper Band Edge Plot (LTE Band 26/5 - 10MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 95 of 162

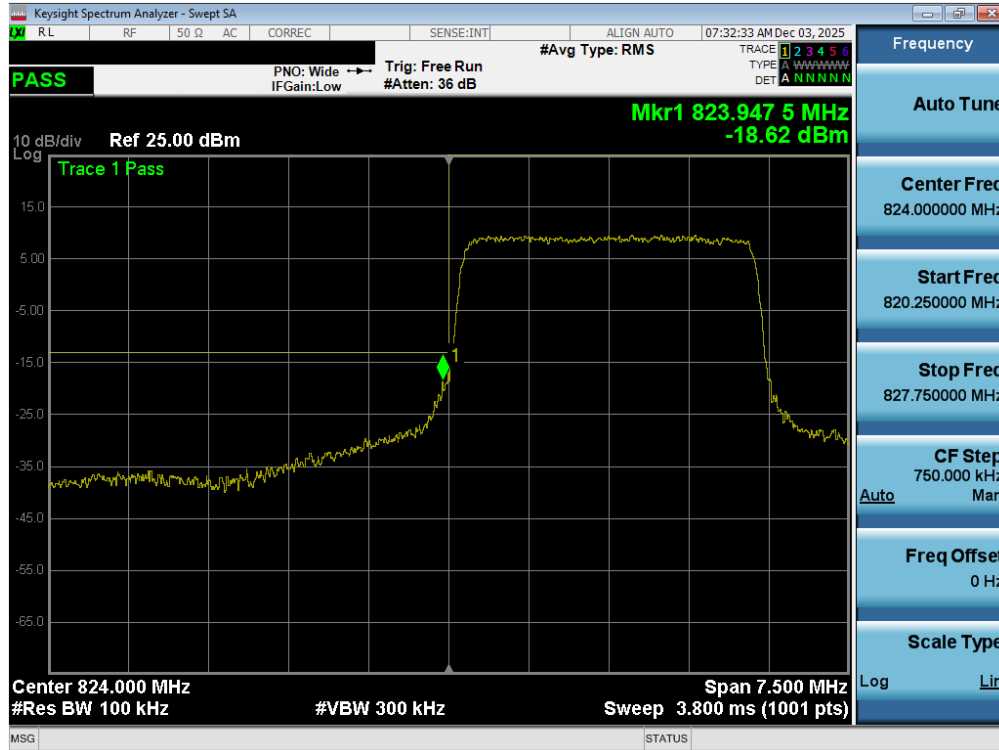


Plot 7-127. Lower Band Edge Plot (LTE Band 26/5 - 5MHz QPSK – Full RB - Ant1)



Plot 7-128. Upper Band Edge Plot (LTE Band 26/5 - 5MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 96 of 162

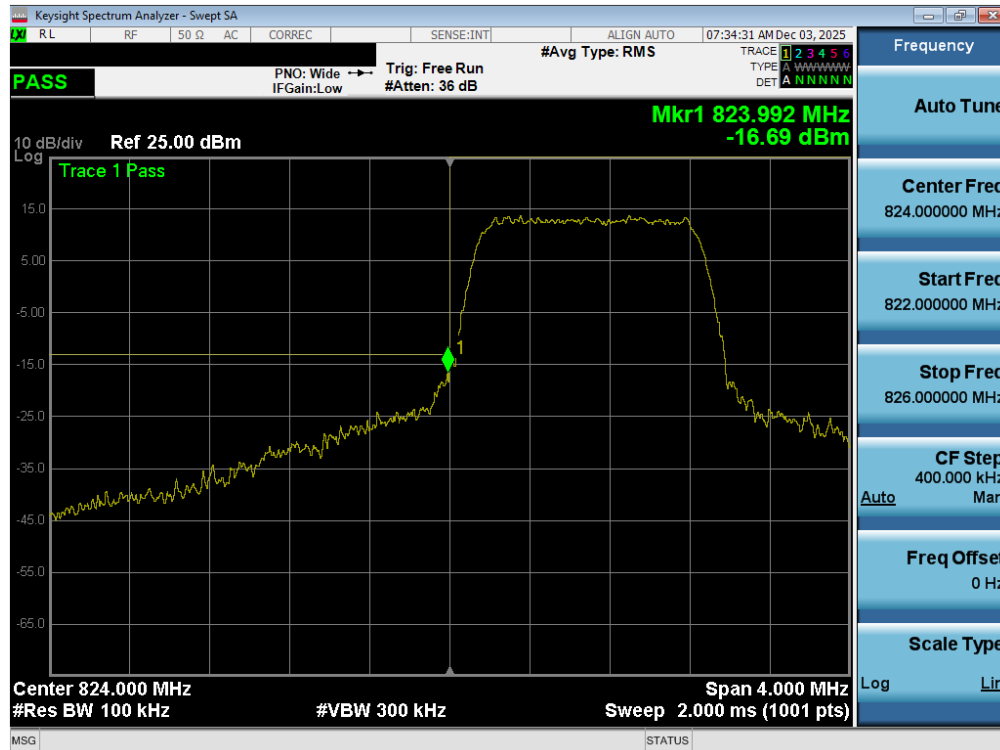


Plot 7-129. Lower Band Edge Plot (LTE Band 26/5 - 3MHz QPSK – Full RB - Ant1)



Plot 7-130. Upper Band Edge Plot (LTE Band 26/5 - 3MHz QPSK – Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 97 of 162



Plot 7-131. Lower Band Edge Plot (LTE Band 26/5 - 1.4MHz QPSK - Full RB - Ant1)



Plot 7-132. Upper Band Edge Plot (LTE Band 26/5 - 1.4MHz QPSK - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 98 of 162

NR Band n26/5 – Ant1

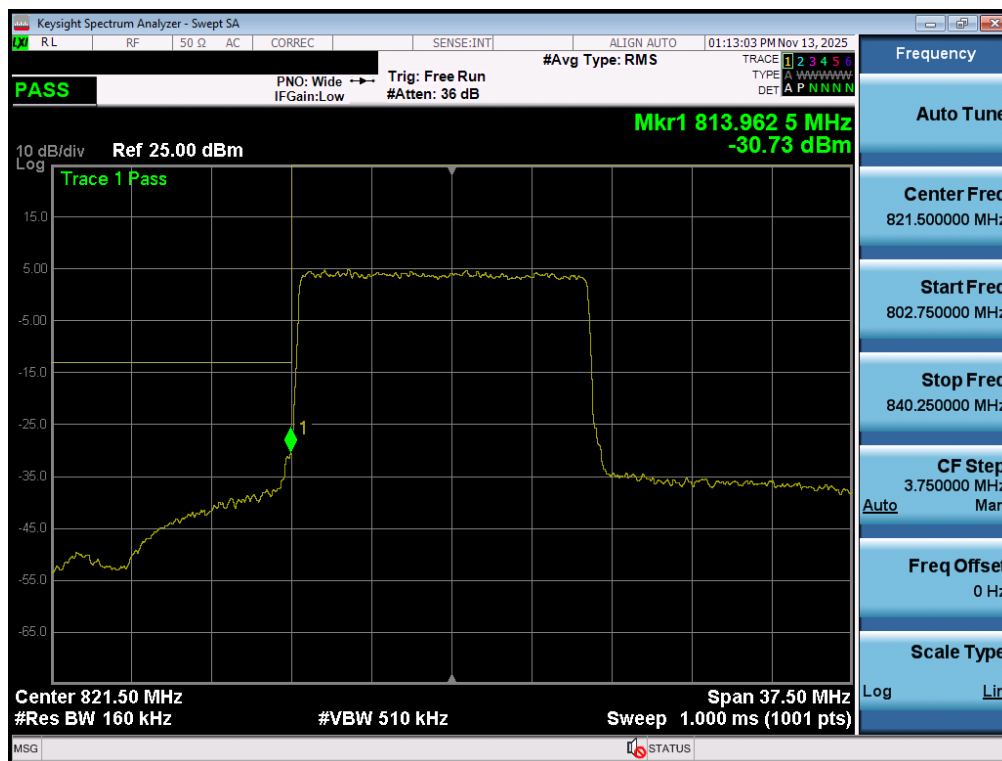


Plot 7-133. Lower Band Edge Plot (NR Band n26/5 – 20.0MHz - Full RB - Ant1)



Plot 7-134. Upper Band Edge Plot (NR Band n26/5 – 20.0MHz - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 99 of 162

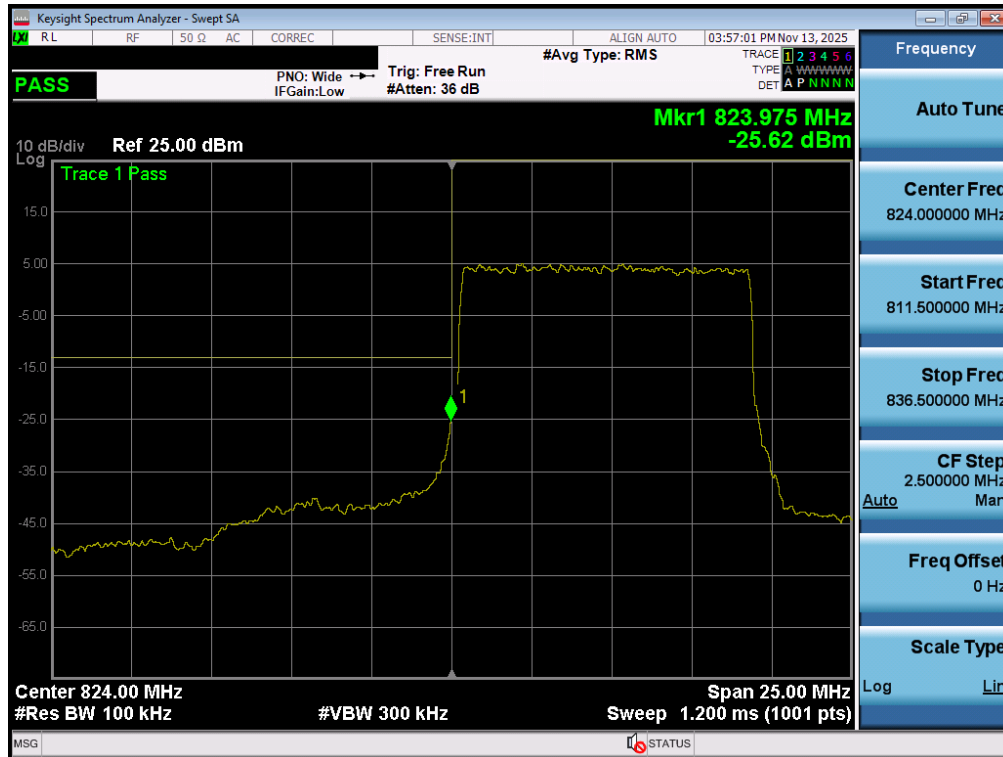


Plot 7-135. Lower Band Edge Plot (NR Band n26/5 - 15.0MHz - Full RB - Ant1)



Plot 7-136. Upper Band Edge Plot (NR Band n26/5 - 15.0MHz - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 100 of 162

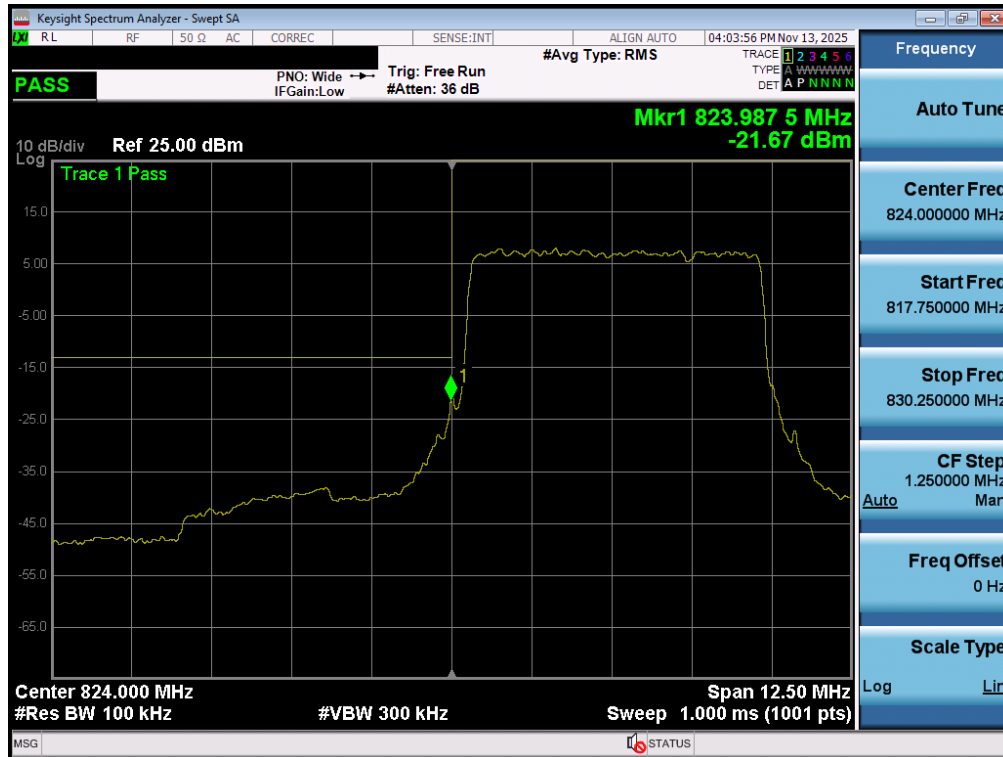


Plot 7-137. Lower Band Edge Plot (NR Band n26/5 - 10.0MHz - Full RB - Ant1)



Plot 7-138. Upper Band Edge Plot (NR Band n26/5 - 10.0MHz - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 101 of 162



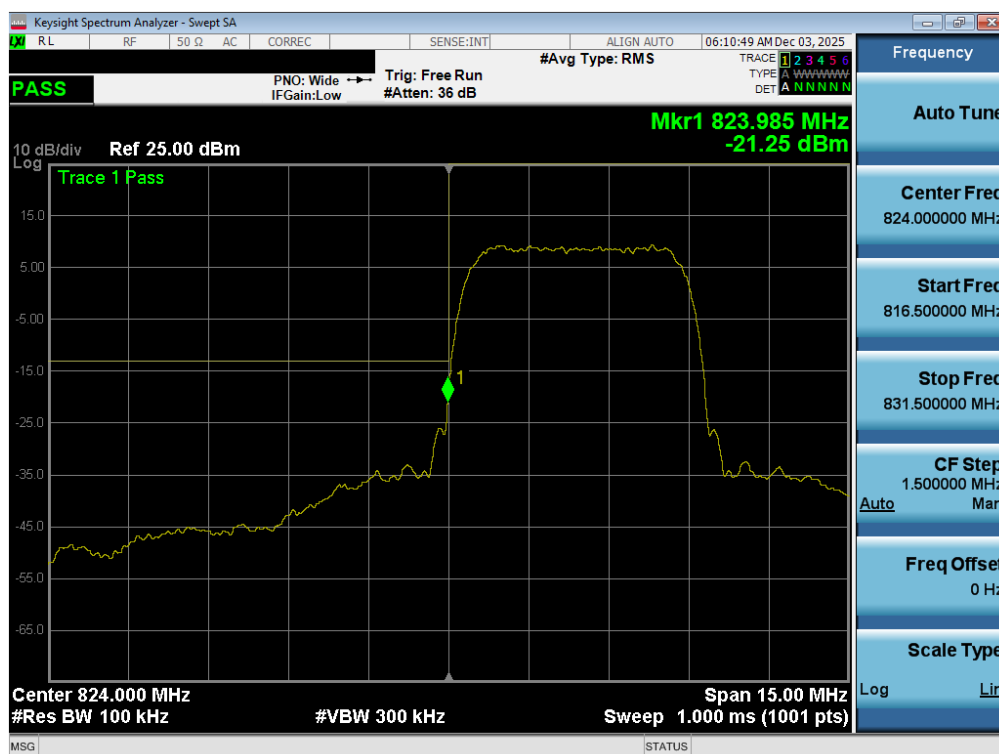
Plot 7-139. Lower Band Edge Plot (NR Band n26/5 - 5.0MHz - Full RB - Ant1)



Plot 7-140. Upper Band Edge Plot (NR Band n26/5 - 5.0MHz - Full RB)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 102 of 162

WCDMA Cell – Ant1



Plot 7-143. Lower Band Edge Plot (WCDMA Cell – Ch. 4132 – Ant1)



Plot 7-144. Upper Band Edge Plot (WCDMA Cell – Ch. 4233 – Ant1)

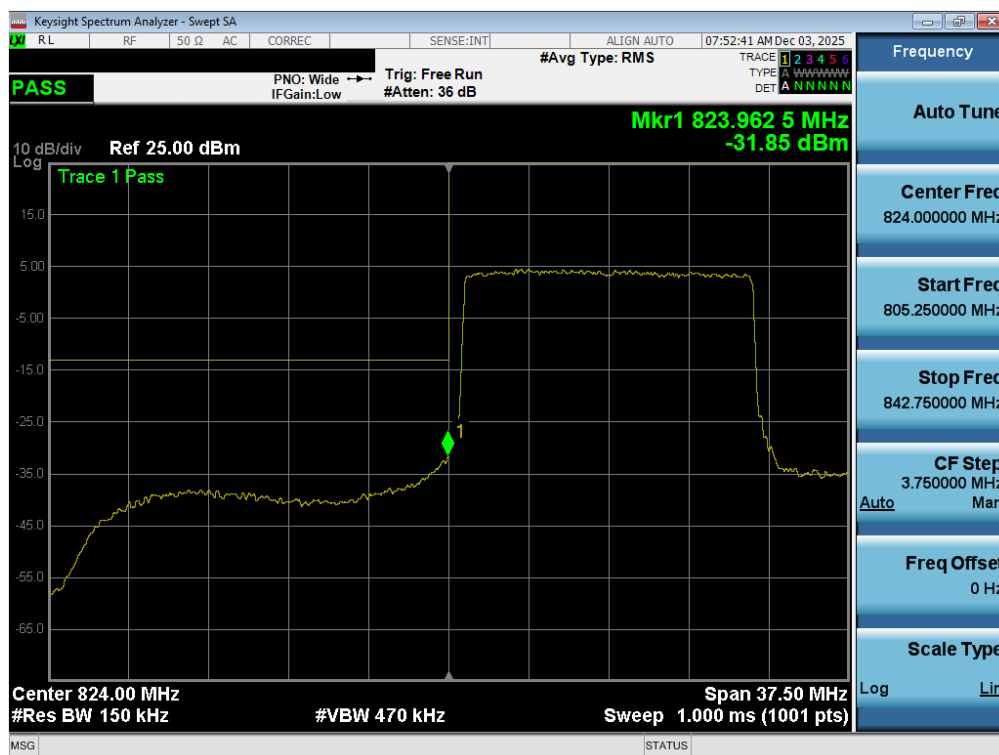
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 104 of 162

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
GSM-Cell	250kHz	Low	Band Edge	-31.68	-13	-18.68
		High	Band Edge	-16.40	-13	-3.40
WCDMA-Cell	5MHz	Low	Band Edge	-21.34	-13	-8.34
		High	Band Edge	-20.30	-13	-7.30
LTE-B26-5	15 MHz	Low	Band Edge	-31.85	-13	-18.85
		High	Band Edge	-31.34	-13	-18.34
	10 MHz	Low	Band Edge	-29.12	-13	-16.12
		High	Band Edge	-28.82	-13	-15.82
	5 MHz	Low	Band Edge	-22.33	-13	-9.33
		High	Band Edge	-22.75	-13	-9.75
	3 MHz	Low	Band Edge	-16.65	-13	-3.65
		High	Band Edge	-18.39	-13	-5.39
	1.4 MHz	Low	Band Edge	-17.73	-13	-4.73
		High	Band Edge	-17.78	-13	-4.78
NR-n26-5	20 MHz	Low	Band Edge	-29.40	-13	-16.40
		High	Band Edge	-26.90	-13	-13.90
	15 MHz	Low	Band Edge	-27.77	-13	-14.77
		High	Band Edge	-22.84	-13	-9.84
	10 MHz	Low	Band Edge	-27.49	-13	-14.49
		High	Band Edge	-30.73	-13	-17.73
	5 MHz	Low	Band Edge	-21.82	-13	-8.82
		High	Band Edge	-20.27	-13	-7.27

Table 7-9. Conducted Band Edge Results – Ant2

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 105 of 162

LTE Band 26/5 – Ant2

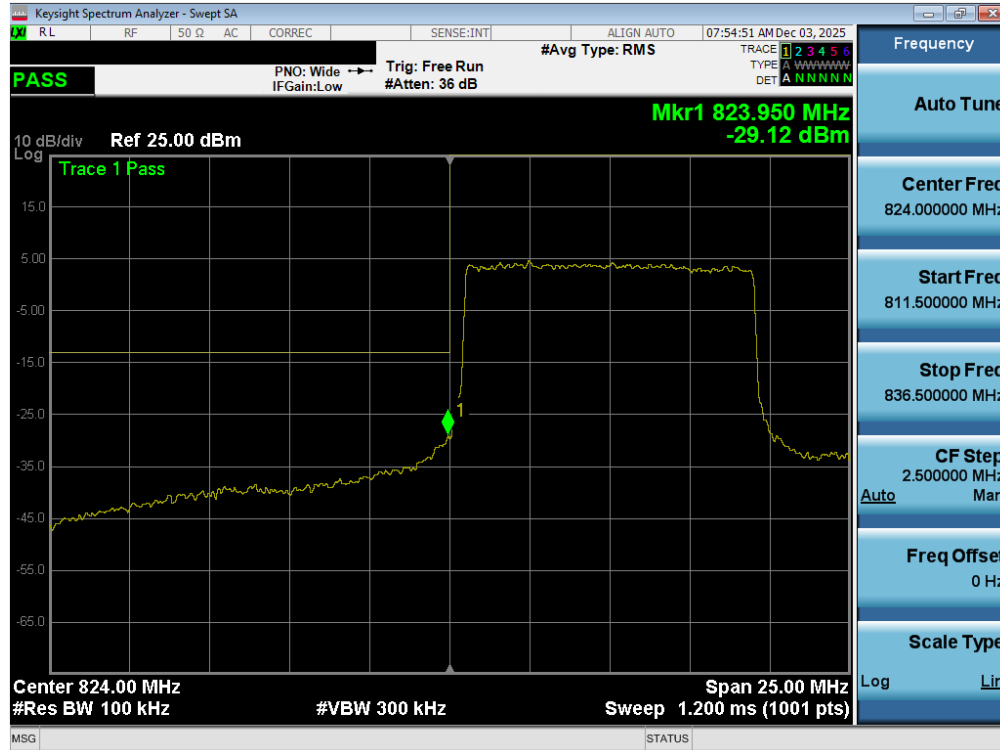


Plot 7-145. Lower Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant2)



Plot 7-146. Upper Band Edge Plot (LTE Band 26 - 15MHz QPSK – Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 106 of 162

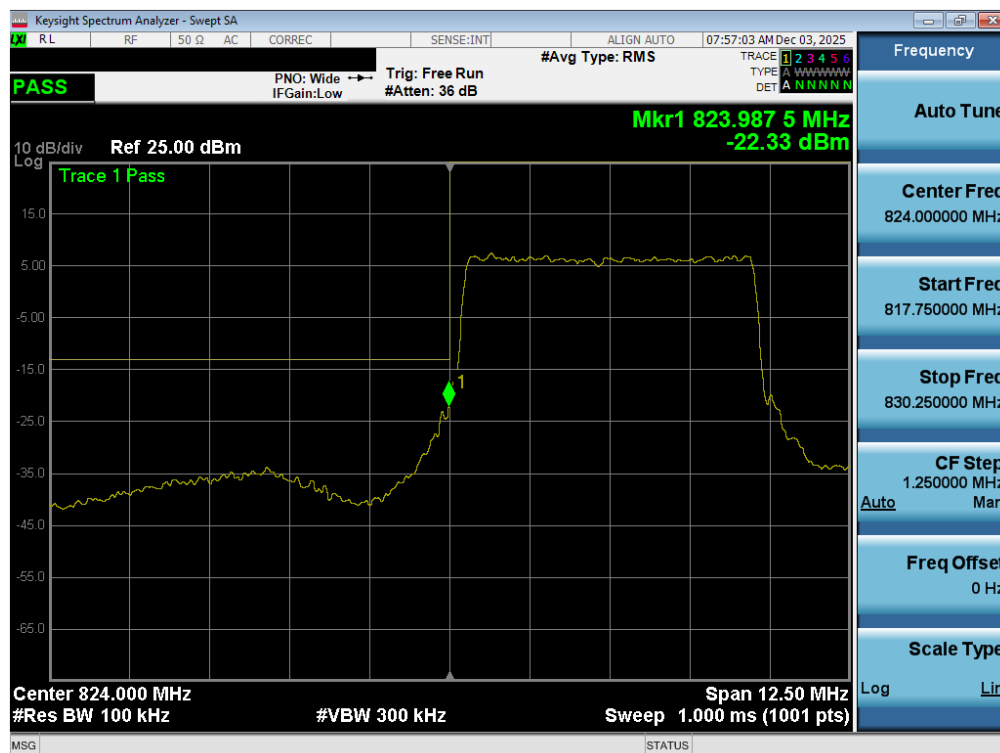


Plot 7-147. Lower Band Edge Plot (LTE Band 26/5 - 10MHz QPSK - Full RB - Ant2)



Plot 7-148. Upper Band Edge Plot (LTE Band 26/5 - 10MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 107 of 162



Plot 7-149. Lower Band Edge Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant2)



Plot 7-150. Upper Band Edge Plot (LTE Band 26/5 - 5MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 108 of 162

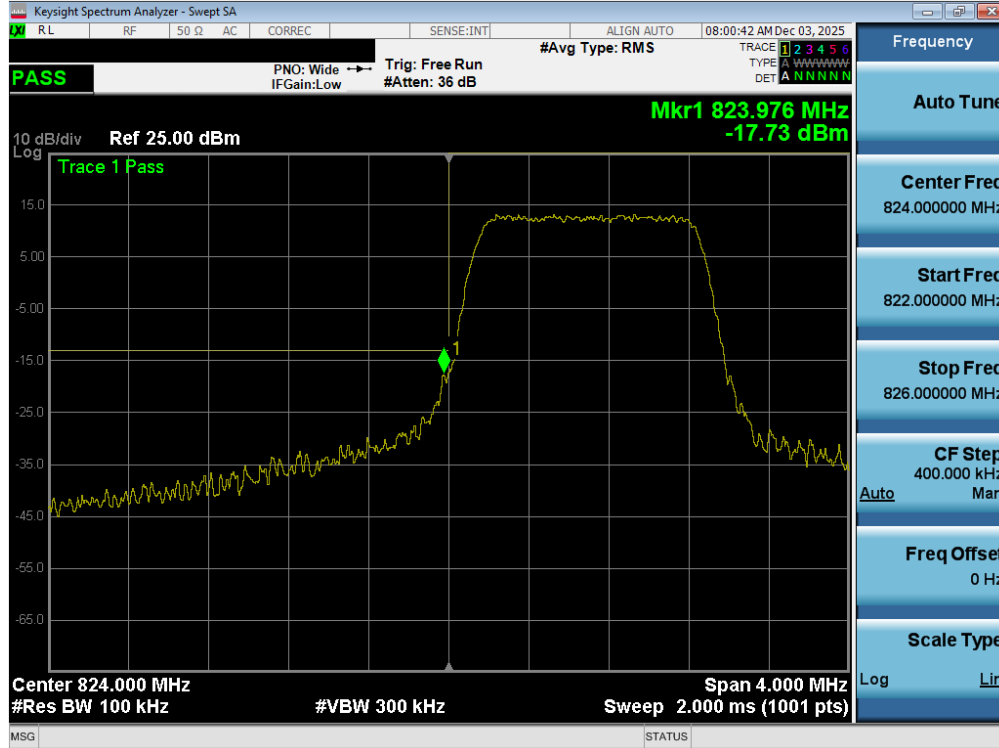


Plot 7-151. Lower Band Edge Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant2)



Plot 7-152. Upper Band Edge Plot (LTE Band 26/5 - 3MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 109 of 162



Plot 7-153. Lower Band Edge Plot (LTE Band 26/5 - 1.4MHz QPSK - Full RB - Ant2)



Plot 7-154. Upper Band Edge Plot (LTE Band 26/5 - 1.4MHz QPSK - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 110 of 162

NR Band n26/5 – Ant2



Plot 7-155. Lower Band Edge Plot (NR Band n26/5 – 20.0MHz - Full RB - Ant2)

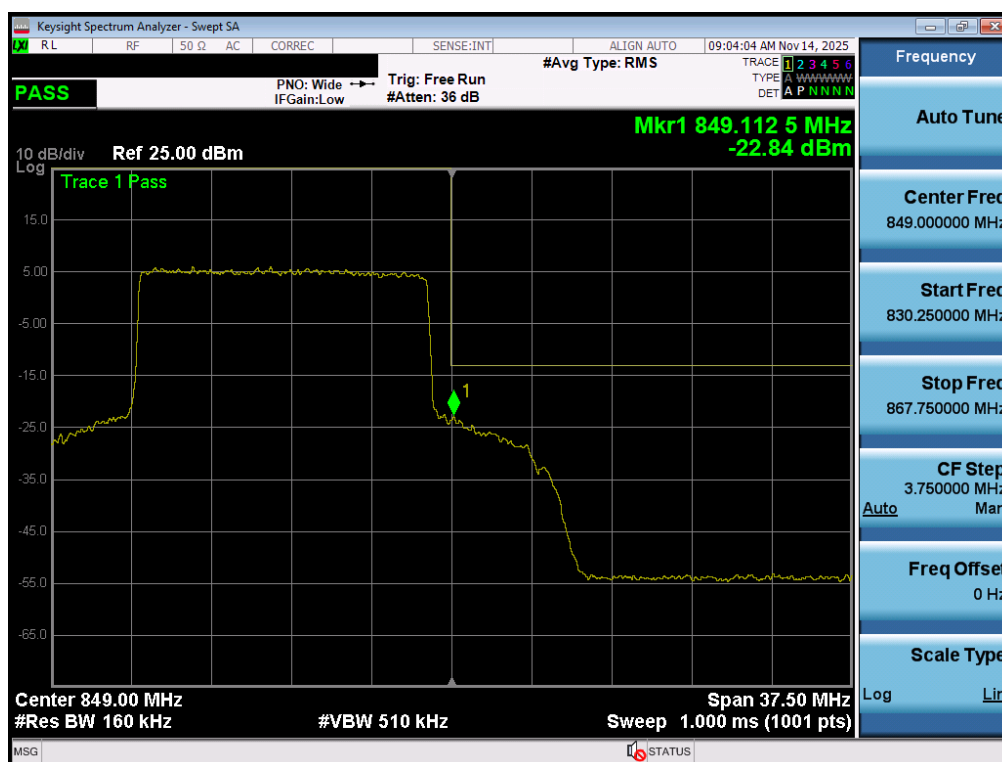


Plot 7-156. Upper Band Edge Plot (NR Band n26/5 – 20.0MHz - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 111 of 162

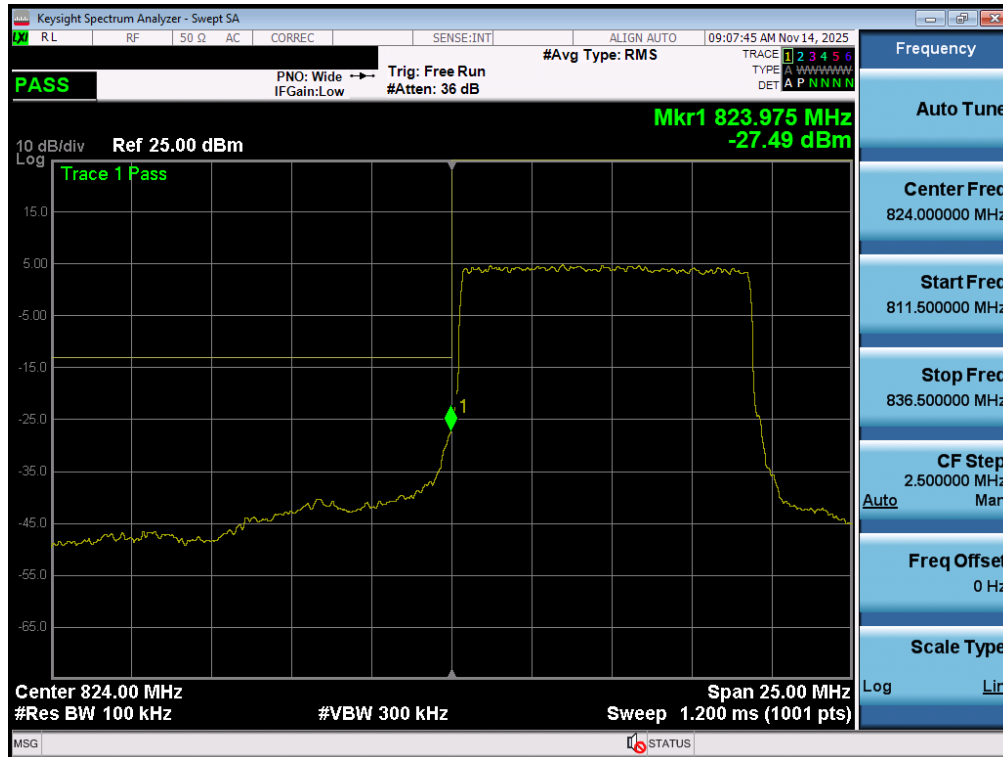


Plot 7-157. Lower Band Edge Plot (NR Band n26/5 - 15.0MHz - Full RB - Ant2)



Plot 7-158. Upper Band Edge Plot (NR Band n26/5 - 15.0MHz - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 112 of 162

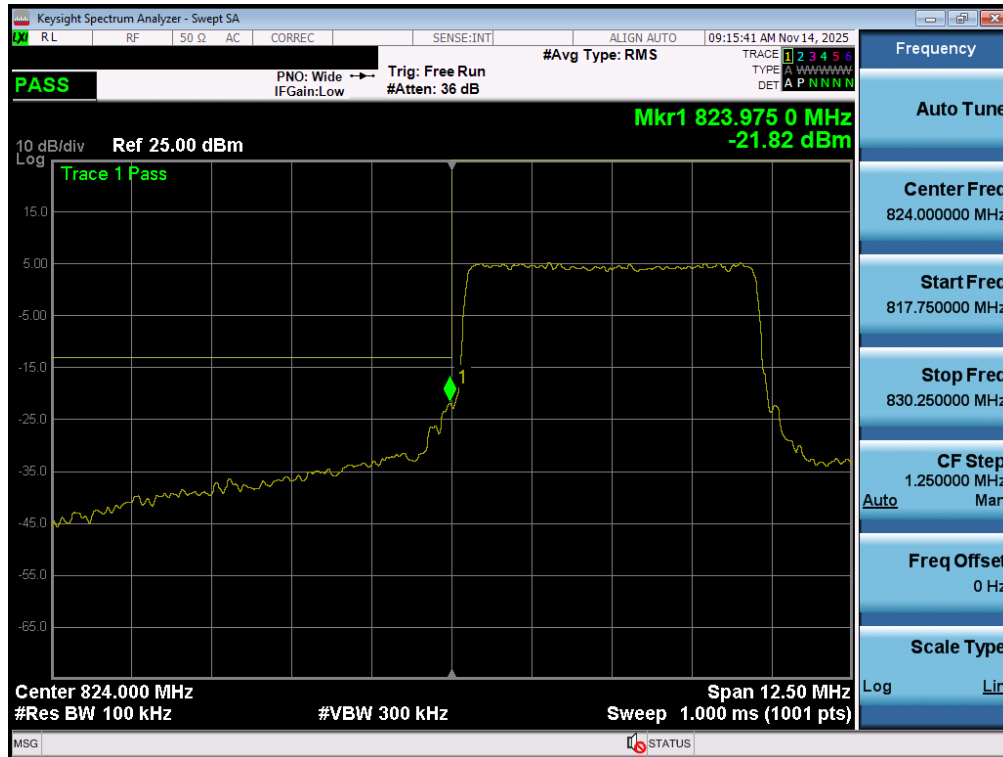


Plot 7-159. Lower Band Edge Plot (NR Band n26/5 - 10.0MHz - Full RB - Ant2)



Plot 7-160. Upper Band Edge Plot (NR Band n26/5 - 10.0MHz - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 113 of 162



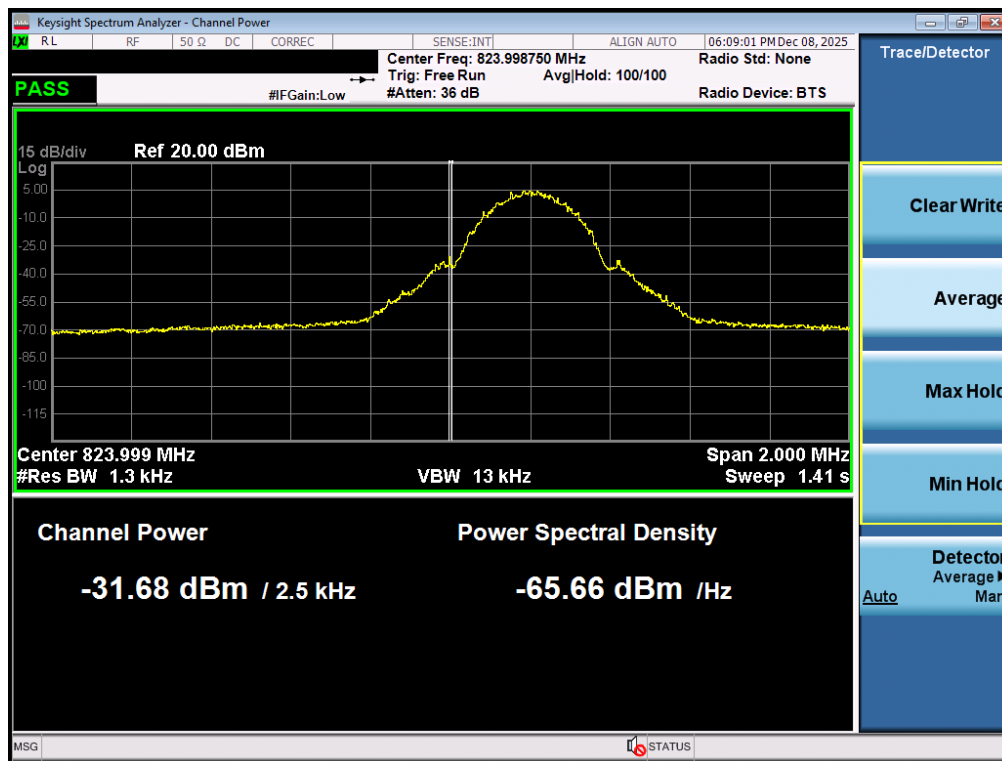
Plot 7-161. Lower Band Edge Plot (NR Band n26/5 - 5.0MHz - Full RB - Ant2)



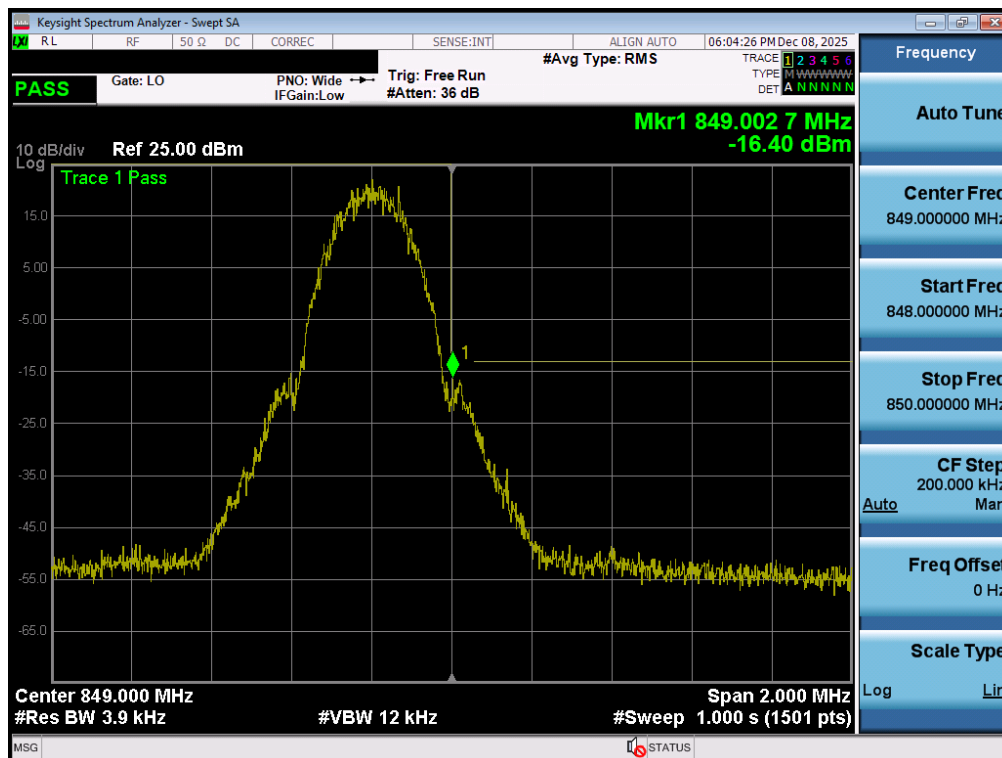
Plot 7-162. Upper Band Edge Plot (NR Band n26/5 - 5.0MHz - Full RB - Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 114 of 162

GSM/GPRS Cell – Ant2



Plot 7-163. Lower Band Edge Plot (GPRS Cell – Ch. 128 – Ant2)



Plot 7-164. Upper Band Edge Plot (GPRS Cell – Ch. 251 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 115 of 162

WCDMA Cell – Ant2



Plot 7-165. Lower Band Edge Plot (WCDMA Cell – Ch. 4132 – Ant2)



Plot 7-166. Upper Band Edge Plot (WCDMA Cell – Ch. 4233 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 116 of 162

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.

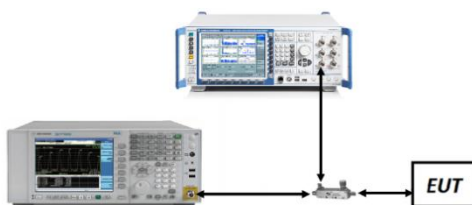


Figure 7-5. Test Instrument & Measurement Setup

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.

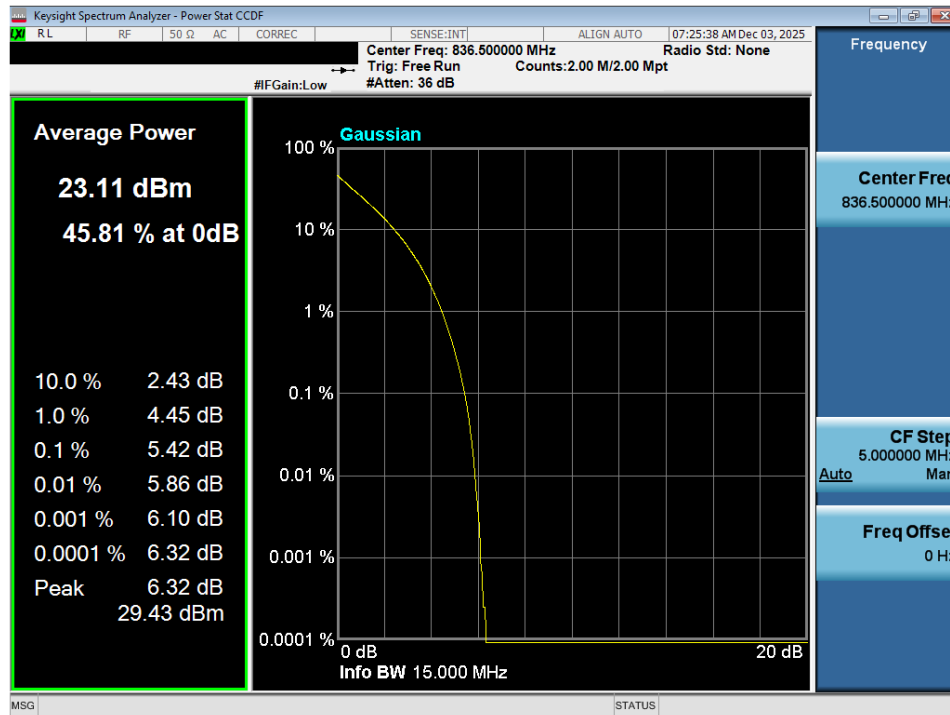
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 117 of 162

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM850	N/A	GMSK	30.05	2.78	13	-10.22
EDGE850		8-PSK	24.43	5.81	13	-7.19
WCDMA850		Spread Spectrum	24.43	3.04	13	-9.96
LTE Band 26/5	15MHz (Band 26 only)	QPSK	23.11	5.42	13	-7.58
		256QAM	19.08	6.59	13	-6.41
	10 MHz	QPSK	23.19	5.78	13	-7.22
		256QAM	19.09	6.49	13	-6.51
	5 MHz	QPSK	23.14	5.85	13	-7.15
		256QAM	19.05	6.56	13	-6.44
	3 MHz	QPSK	23.20	5.67	13	-7.33
		256QAM	19.05	6.53	13	-6.47
	1.4 MHz	QPSK	23.21	5.70	13	-7.30
		256QAM	19.08	6.70	13	-6.30
NR-n26-5	20 MHz	$\pi/2$ BPSK	23.38	4.40	13	-8.60
		QPSK	20.88	7.53	13	-5.47
		256QAM	17.34	8.22	13	-4.78
	15 MHz	$\pi/2$ BPSK	23.25	4.18	13	-8.82
		QPSK	20.91	7.54	13	-5.46
		256QAM	17.32	8.25	13	-4.75
	10 MHz	$\pi/2$ BPSK	22.66	3.85	13	-9.15
		QPSK	20.88	8.09	13	-4.91
		256QAM	17.33	8.37	13	-4.63
	5 MHz	$\pi/2$ BPSK	23.39	4.76	13	-8.24
		QPSK	20.86	8.10	13	-4.90
		256QAM	17.24	8.29	13	-4.71

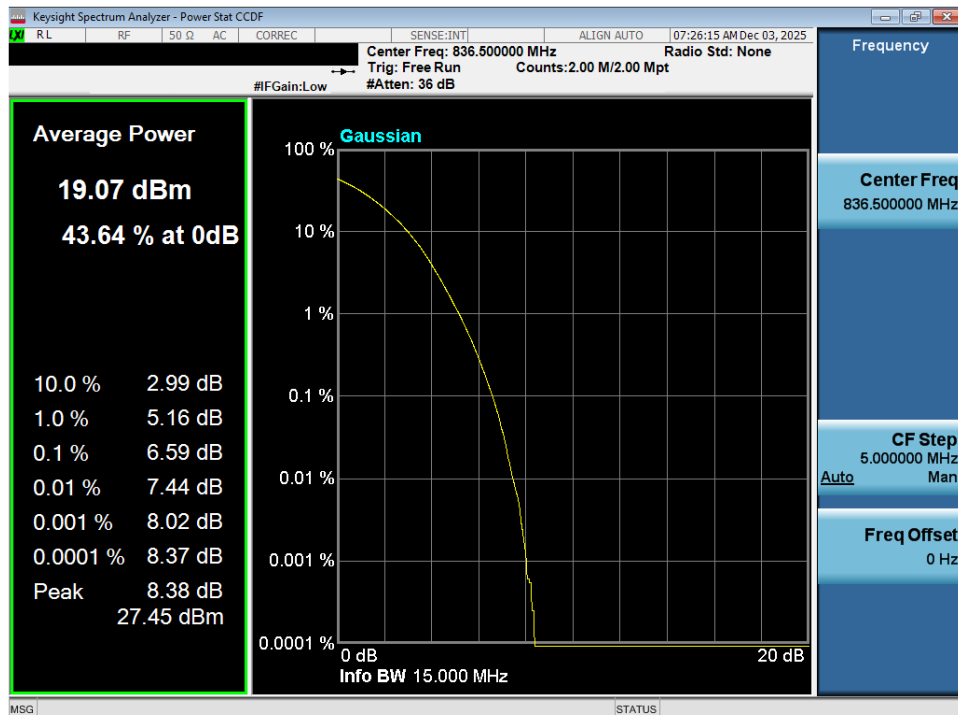
Table 7-10. Peak-Average Ratio Results – Ant1

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 118 of 162

LTE Band 26/5 – Ant1

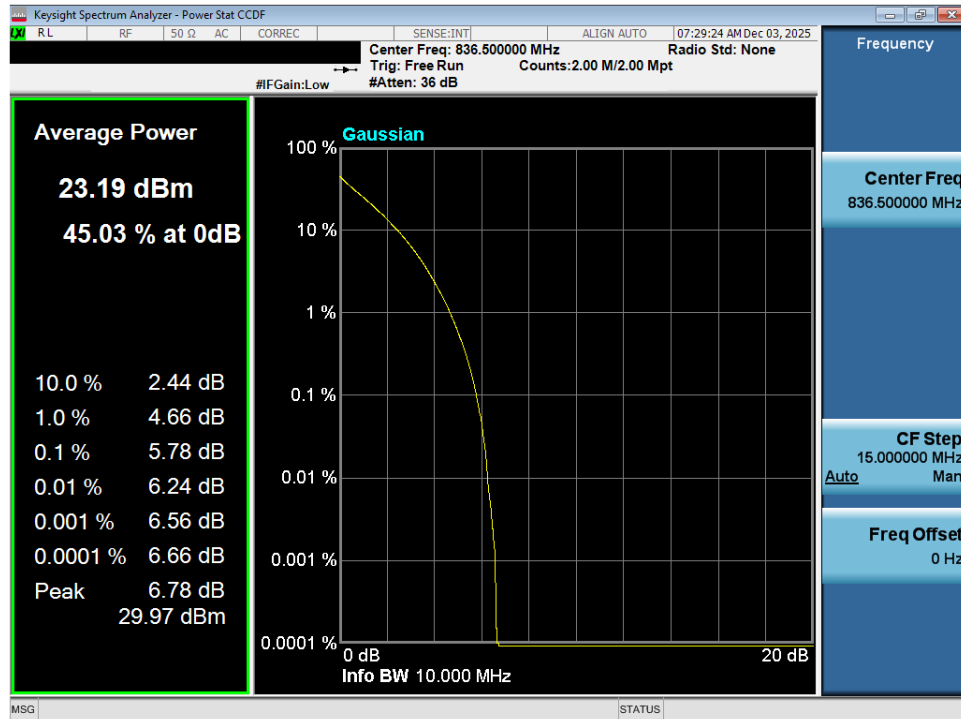


Plot 7-167. Peak-Average Ratio Plot (LTE Band 26 - 15MHz QPSK - Full RB - Ant1)

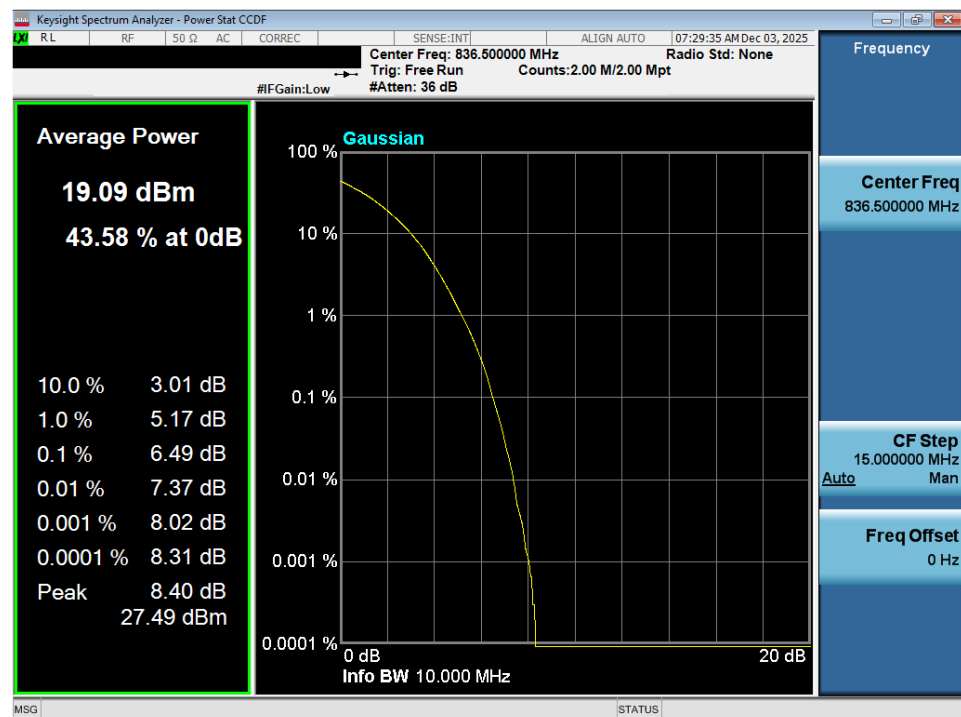


Plot 7-168. Peak-Average Ratio Plot (LTE Band 26 - 15MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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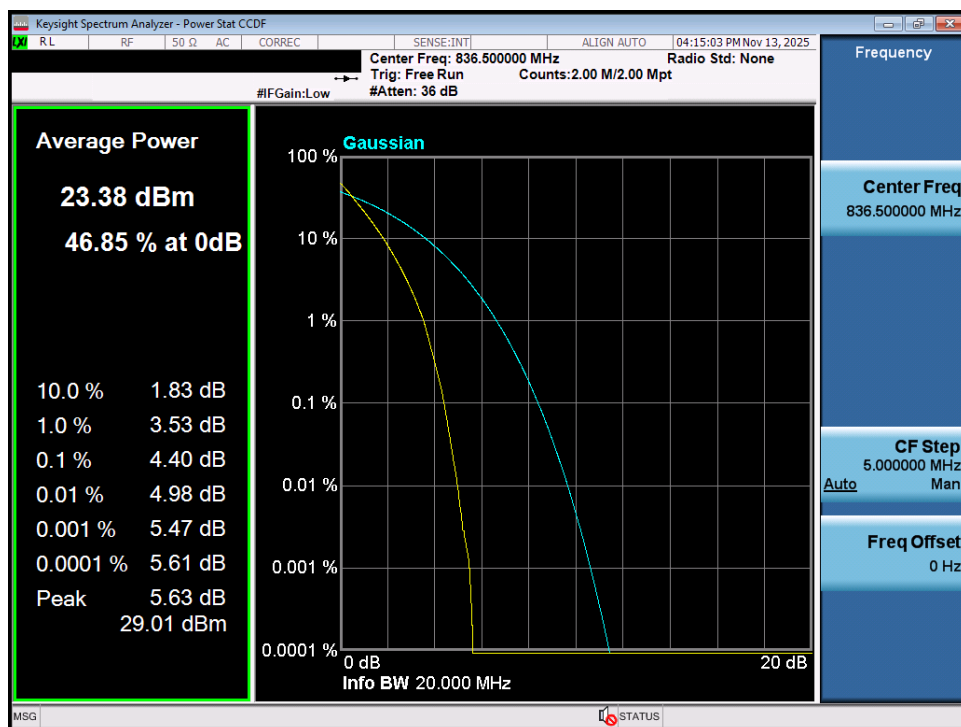
Plot 7-169. Peak-Average Ratio Plot (LTE Band 26 - 10MHz QPSK - Full RB - Ant1)



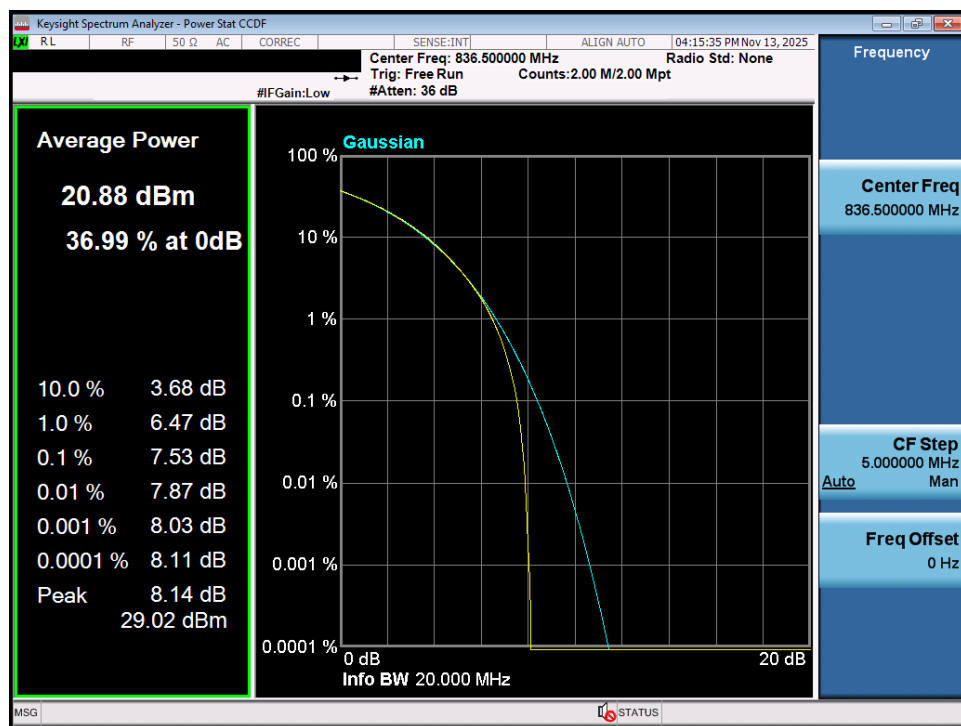
Plot 7-170. Peak-Average Ratio Plot (LTE Band 26 - 10MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n26/5 – Ant1

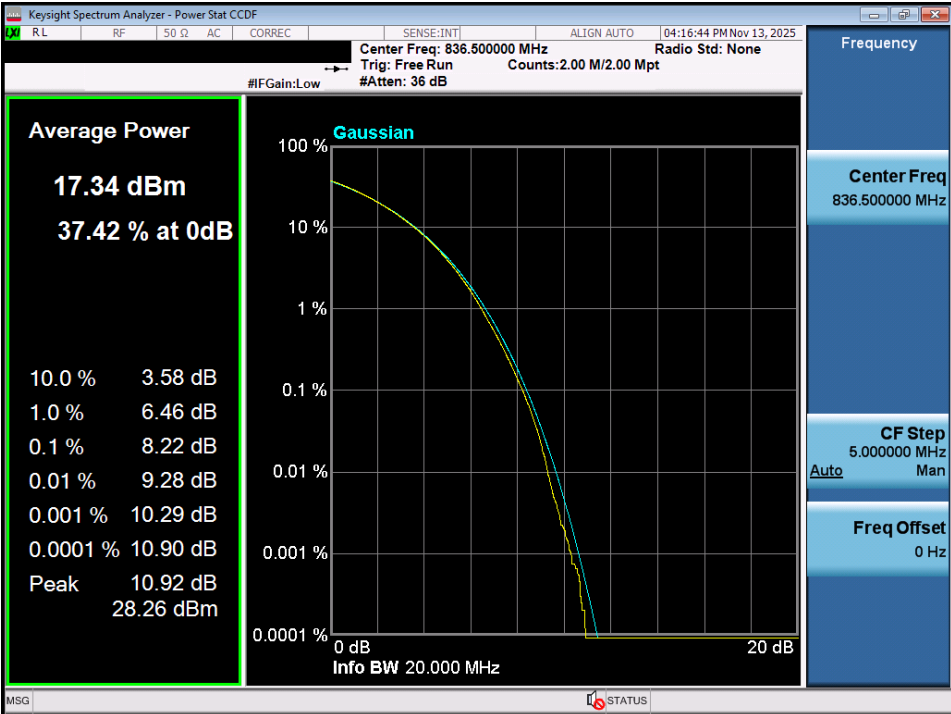


Plot 7-171. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz $\pi/2$ BPSK - Full RB - Ant1)



Plot 7-172. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz QPSK - Full RB - Ant1)

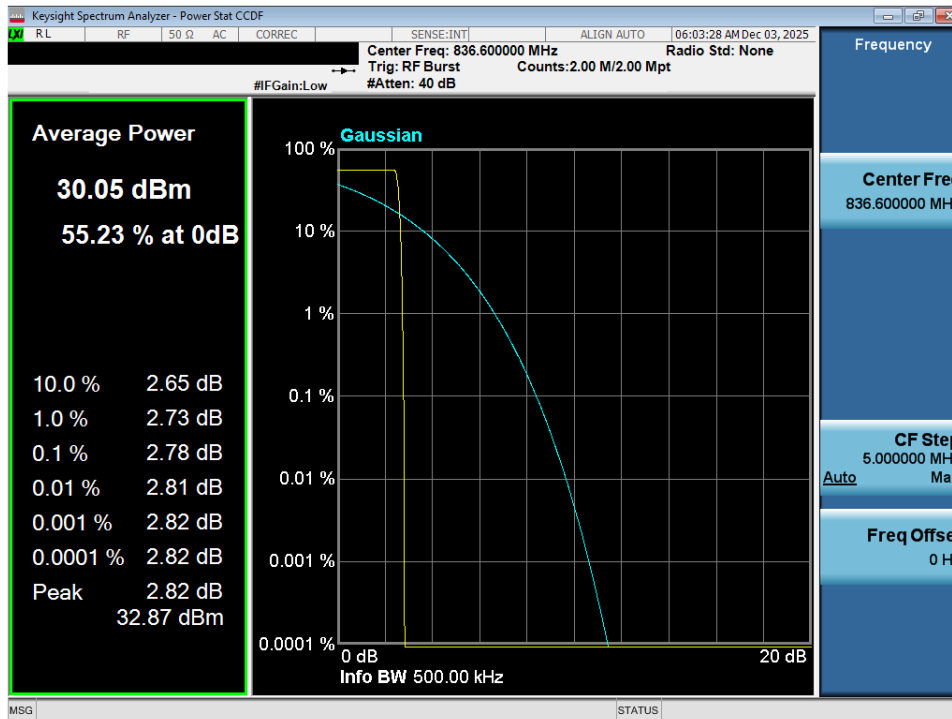
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 121 of 162



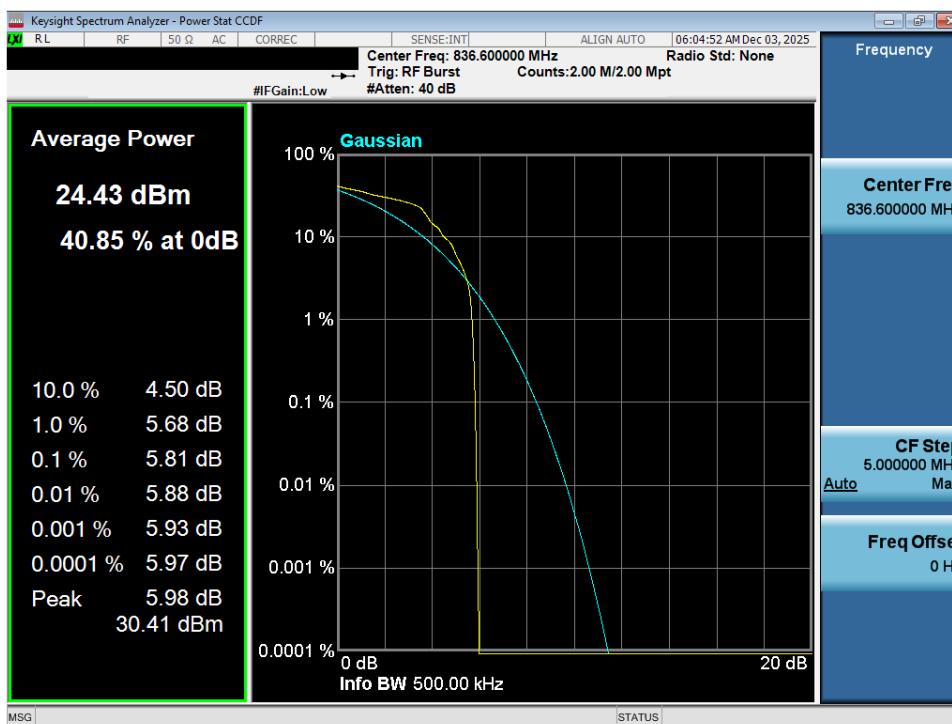
Plot 7-173. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz 256-QAM - Full RB - Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 122 of 162

GPRS Cell – Ant1



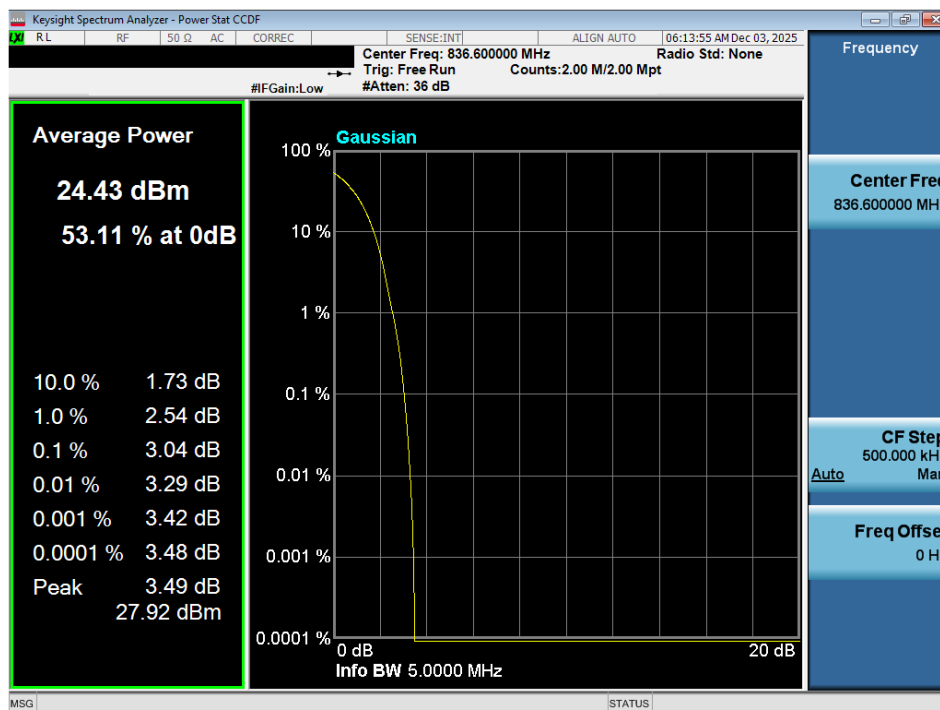
Plot 7-174. Peak-Average Ratio Plot (GPRS, Ch. 190 – Ant1)



Plot 7-175. Peak-Average Ratio Plot (EDGE, Ch. 190 – Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA Cell – Ant1



Plot 7-176. Peak-Average Ratio Plot (WCDMA, Ch. 4183 – Ant1)

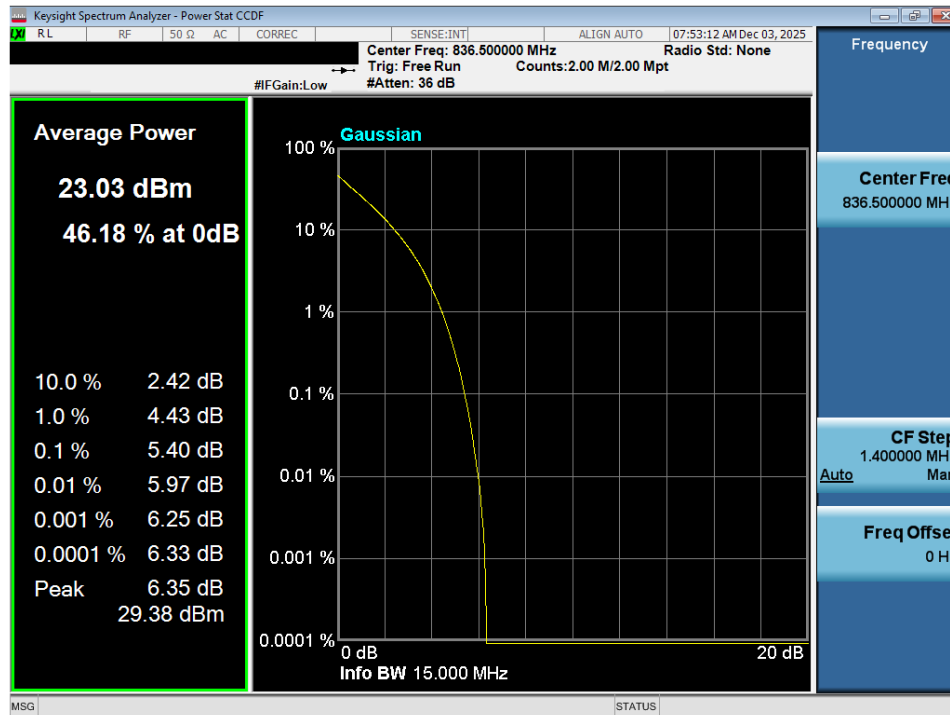
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 124 of 162

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
GSM850	N/A	GMSK	30.25	2.80	13	-10.20
EDGE850		8-PSK	24.35	5.71	13	-7.29
WCDMA850		Spread Spectrum	24.38	2.94	13	-10.06
LTE Band 26/5	15MHz (Band 26 only)	QPSK	23.03	5.40	13	-7.60
		256QAM	18.87	6.52	13	-6.48
	10 MHz	QPSK	22.97	5.75	13	-7.25
		256QAM	18.87	6.45	13	-6.55
	5 MHz	QPSK	22.92	5.72	13	-7.28
		256QAM	18.84	6.55	13	-6.45
	3 MHz	QPSK	22.91	5.58	13	-7.42
		256QAM	18.82	6.49	13	-6.51
	1.4 MHz	QPSK	22.96	5.54	13	-7.46
		256QAM	18.85	6.63	13	-6.37
NR-n26-5	20 MHz	$\pi/2$ BPSK	23.89	4.70	13	-8.30
		QPSK	21.39	7.85	13	-5.15
		256QAM	17.81	8.23	13	-4.77
	15 MHz	$\pi/2$ BPSK	23.89	4.69	13	-8.31
		QPSK	21.38	7.78	13	-5.22
		256QAM	17.82	8.33	13	-4.67
	10 MHz	$\pi/2$ BPSK	23.88	4.59	13	-8.41
		QPSK	21.39	7.69	13	-5.31
		256QAM	17.84	8.25	13	-4.75
	5 MHz	$\pi/2$ BPSK	23.90	4.61	13	-8.39
		QPSK	21.40	7.62	13	-5.38
		256QAM	17.82	8.26	13	-4.74

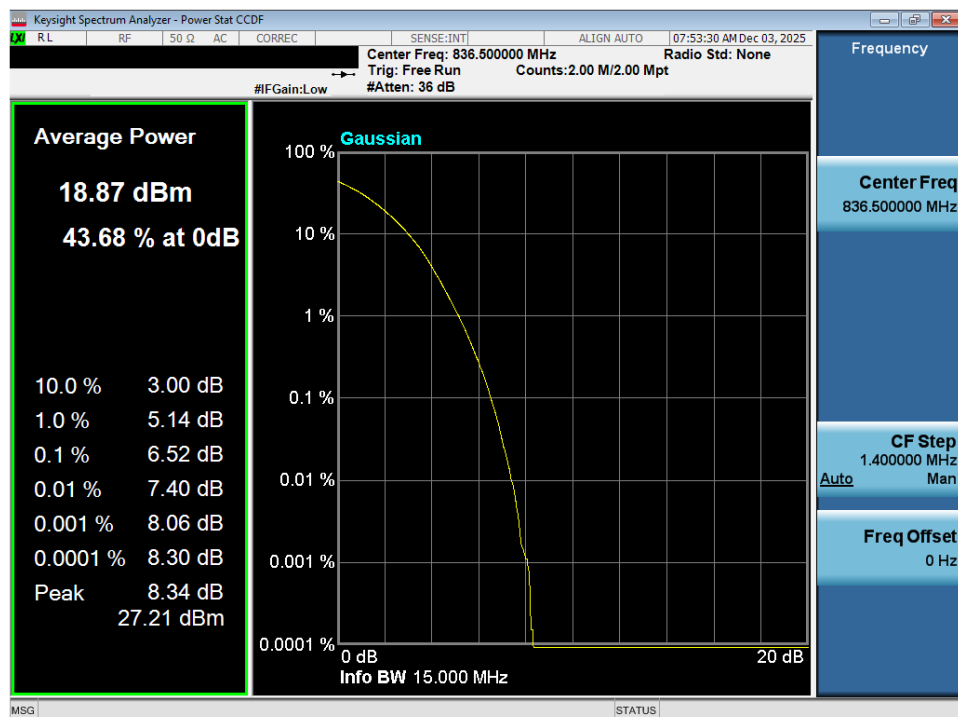
Table 7-11. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 125 of 162

LTE Band 26/5 – Ant2

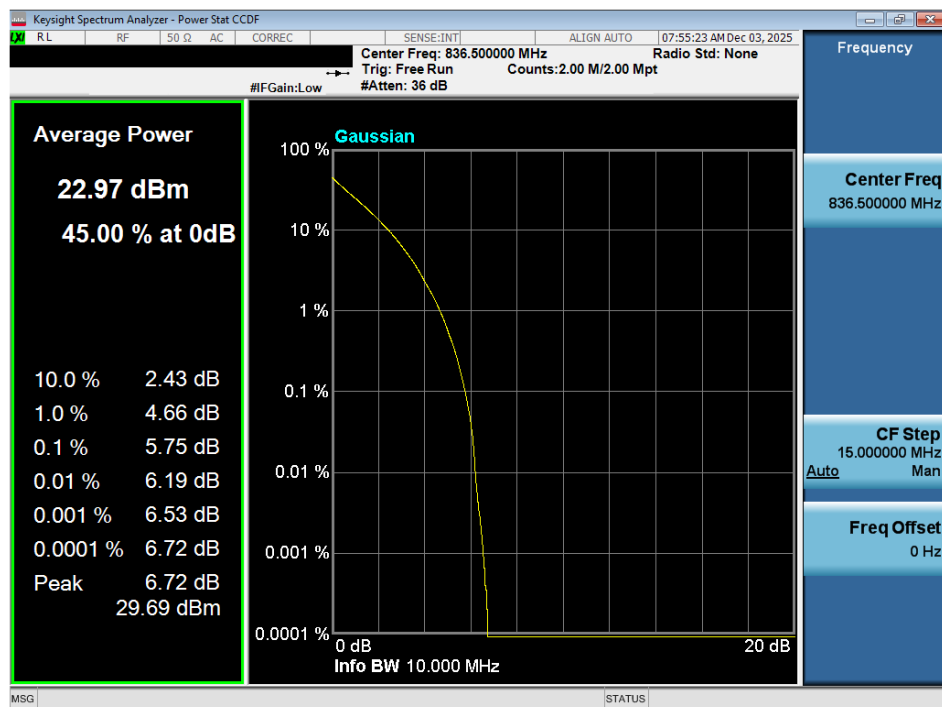


Plot 7-177. Peak-Average Ratio Plot (LTE Band 26 - 15MHz QPSK - Full RB – Ant2)

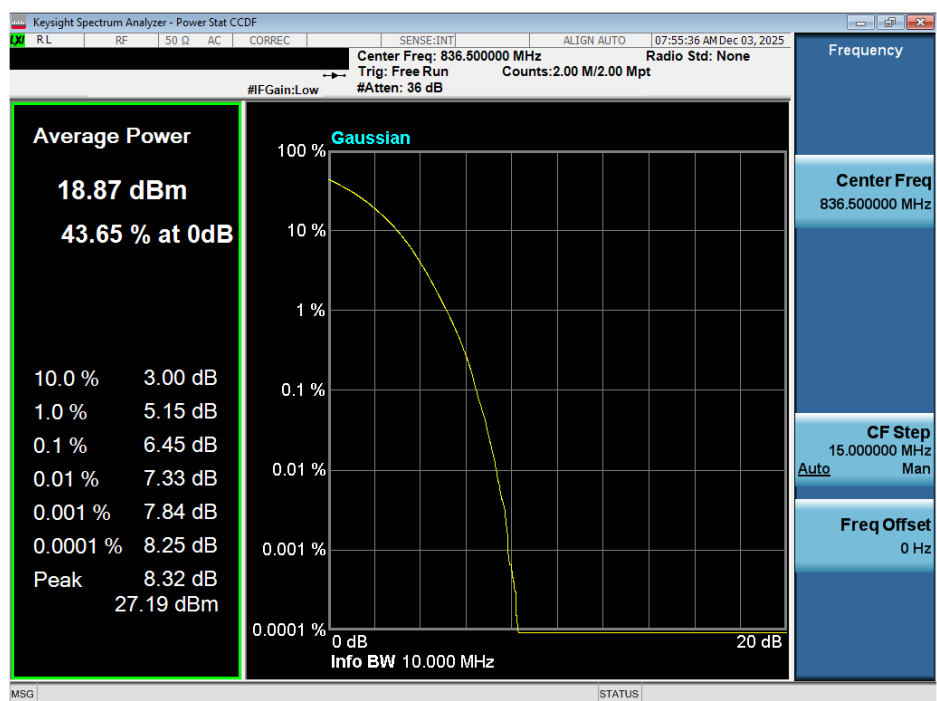


Plot 7-178. Peak-Average Ratio Plot (LTE Band 26 - 15MHz 256-QAM - Full RB – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 126 of 162



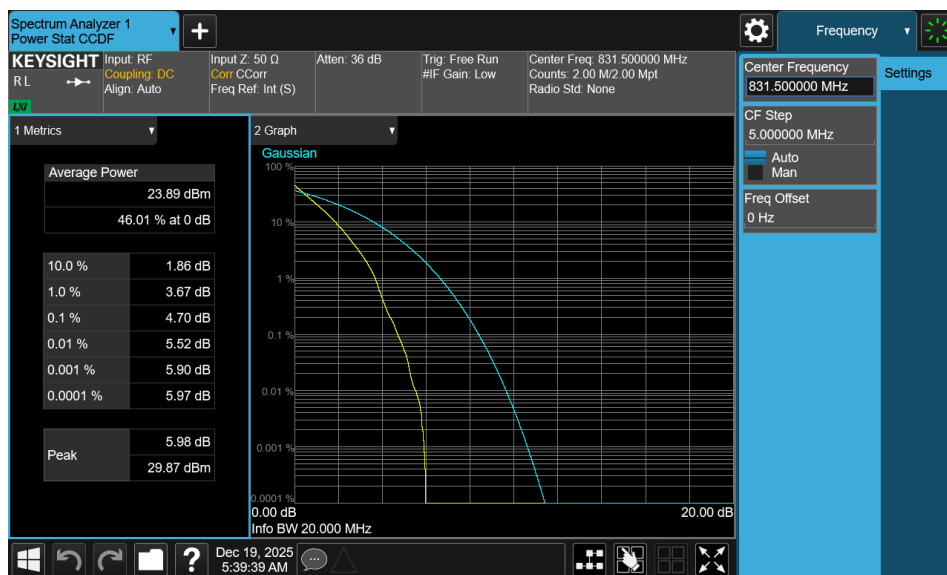
Plot 7-179. Peak-Average Ratio Plot (LTE Band 26 - 10MHz QPSK - Full RB – Ant2)



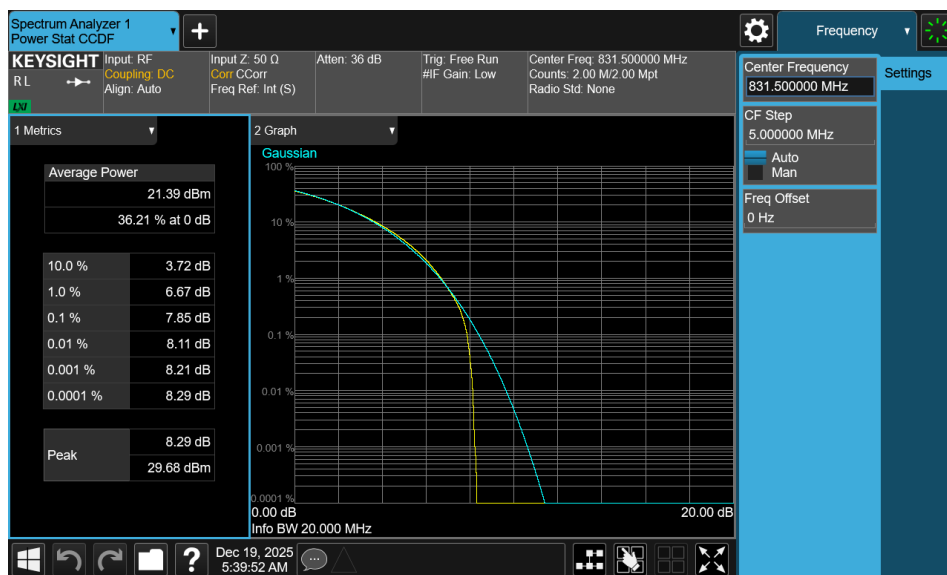
Plot 7-180. Peak-Average Ratio Plot (LTE Band 26 - 10MHz 256-QAM - Full RB – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n26/5 – Ant2



Plot 7-181. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz $\pi/2$ BPSK - Full RB – Ant2)



Plot 7-182. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz QPSK - Full RB – Ant2)

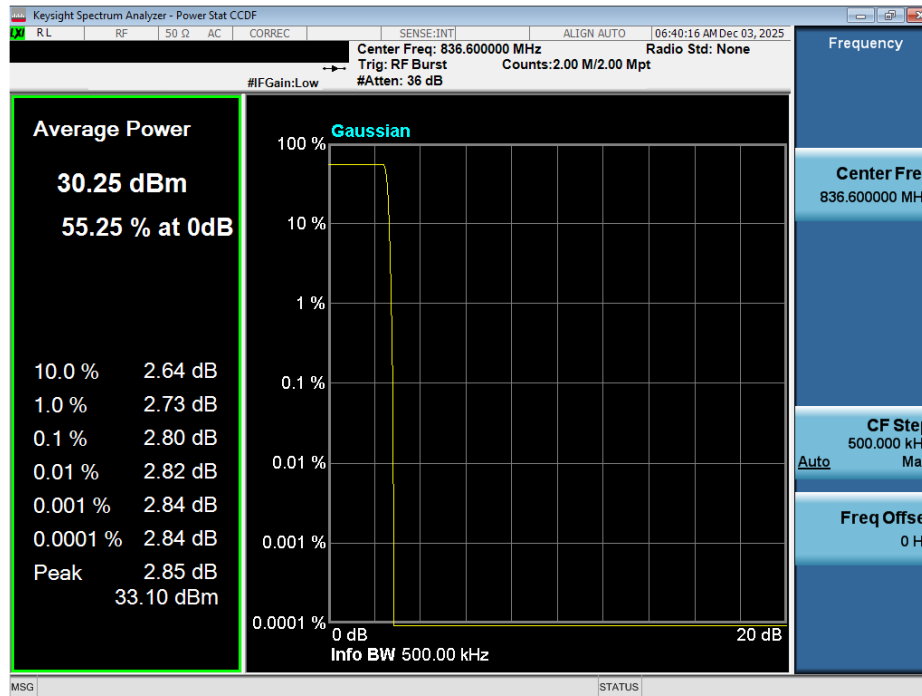
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 128 of 162



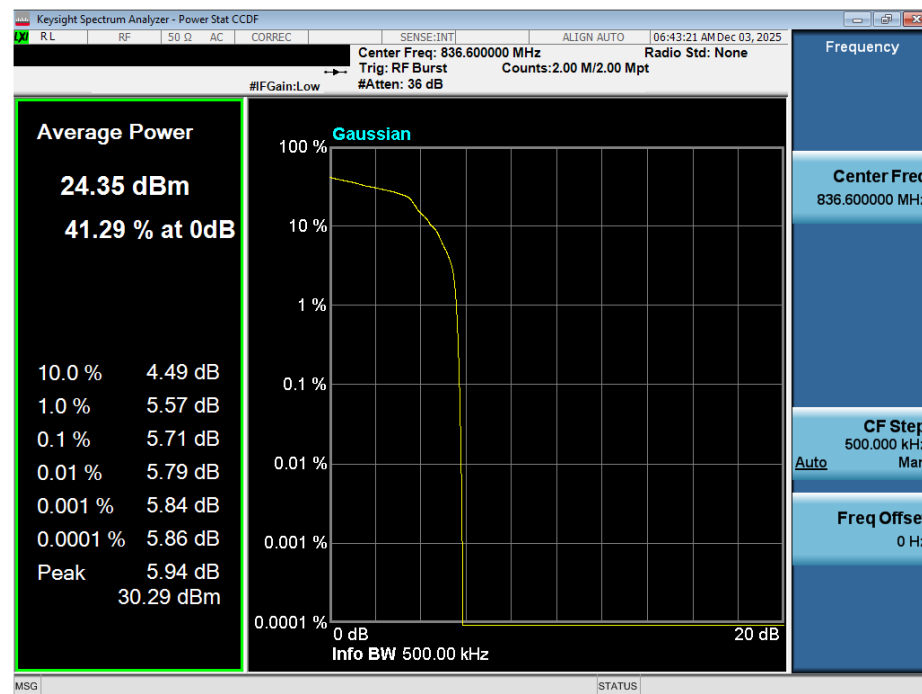
Plot 7-183. Peak-Average Ratio Plot (NR Band n26/5 - 20MHz 256-QAM - Full RB – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GPRS Cell – Ant2



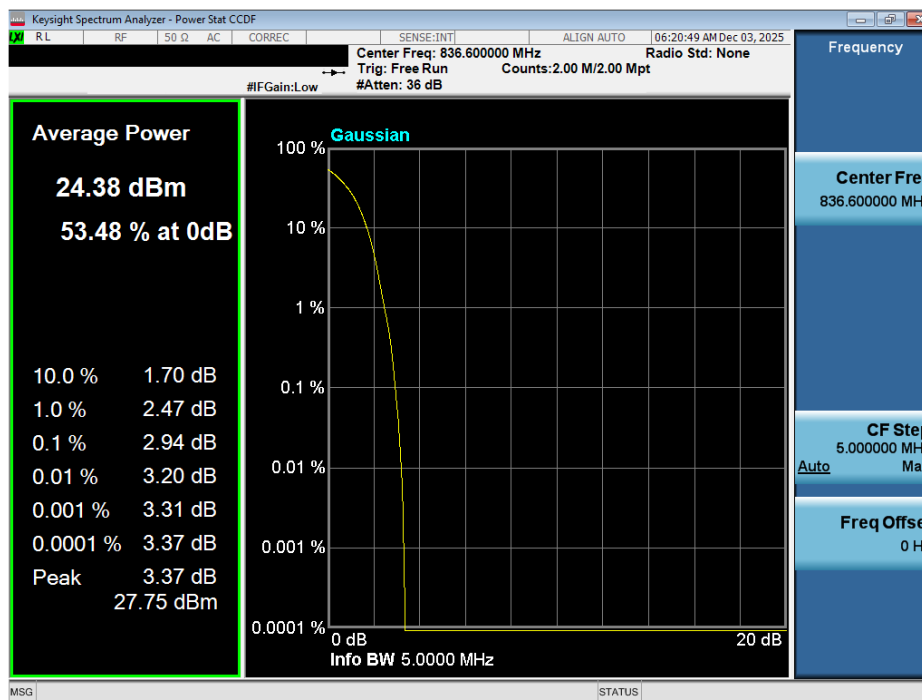
Plot 7-184. Peak-Average Ratio Plot (GPRS, Ch. 190 – Ant2)



Plot 7-185. Peak-Average Ratio Plot (EDGE, Ch. 190 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA Cell – Ant2



Plot 7-186. Peak-Average Ratio Plot (WCDMA, Ch. 4183 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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7.7 Radiated Power (ERP)

Test Overview

Effective Radiated Power (ERP) 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.

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Test Setup

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

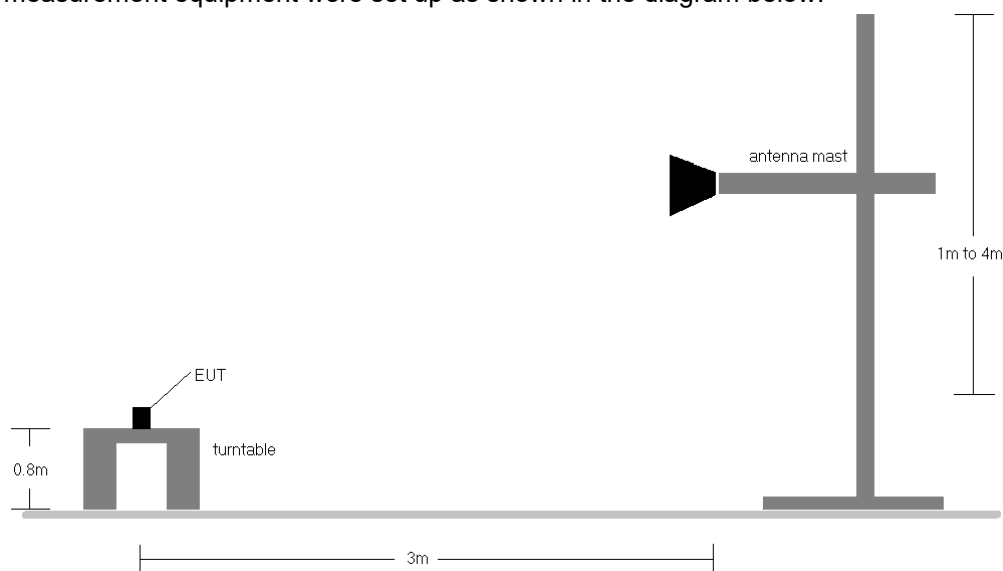


Figure 7-6. Radiated Test Setup < 1GHz

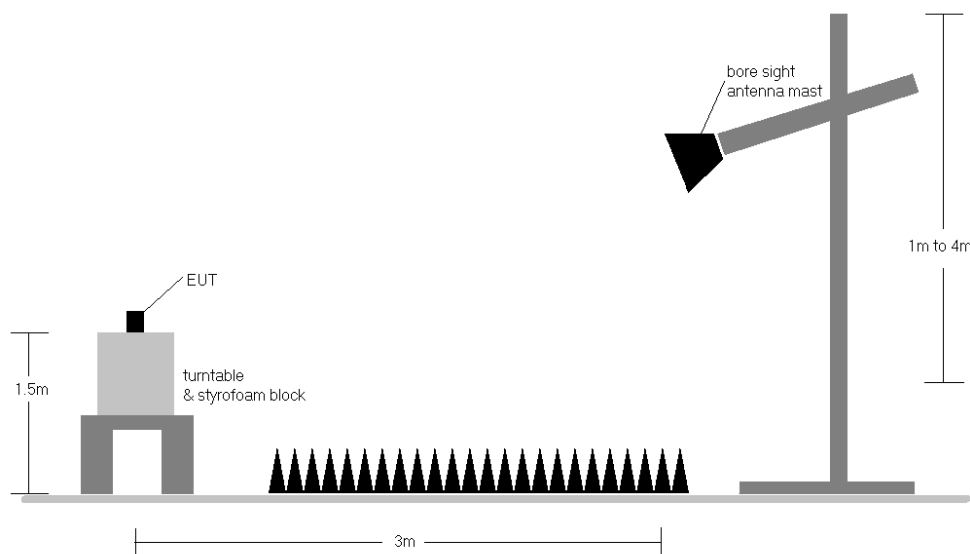


Figure 7-7. Radiated Test Setup > 1GHz

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".

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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- 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: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
15MHz (Band 26 only)	QPSK	831.50	H	390	246	1.06	1 / 37	19.38	18.29	0.068	38.45	-20.16	20.44	0.111	40.61	-20.16
	QPSK	836.50	H	377	238	1.08	1 / 0	19.02	17.95	0.062	38.45	-20.51	20.10	0.102	40.61	-20.51
	QPSK	841.50	H	392	247	1.09	1 / 74	19.29	18.23	0.066	38.45	-20.22	20.38	0.109	40.61	-20.23
	16-QAM	831.50	H	390	246	1.06	1 / 37	18.23	17.14	0.052	38.45	-21.31	19.29	0.085	40.61	-21.31
	16-QAM	836.50	H	377	238	1.08	1 / 0	18.05	16.98	0.050	38.45	-21.48	19.13	0.082	40.61	-21.48
10 MHz	16-QAM	841.50	H	392	247	1.09	1 / 74	18.31	17.25	0.053	38.45	-21.20	19.40	0.087	40.61	-21.21
	QPSK	829.00	H	390	246	1.06	1 / 49	19.71	18.62	0.073	38.45	-19.83	20.77	0.119	40.61	-19.84
	QPSK	836.50	H	377	238	1.08	1 / 49	19.67	18.60	0.072	38.45	-19.85	20.75	0.119	40.61	-19.86
	QPSK	844.00	H	392	247	1.09	1 / 0	19.67	18.61	0.073	38.45	-19.84	20.76	0.119	40.61	-19.85
	16-QAM	829.00	H	390	246	1.06	1 / 49	18.34	17.25	0.053	38.45	-21.20	19.40	0.087	40.61	-21.21
5 MHz	16-QAM	836.50	H	377	238	1.08	1 / 0	18.54	17.47	0.056	38.45	-20.98	19.62	0.092	40.61	-20.99
	16-QAM	844.00	H	392	247	1.09	1 / 0	18.58	17.53	0.057	38.45	-20.92	19.68	0.093	40.61	-20.93
	QPSK	826.50	H	390	246	1.05	1 / 24	19.88	18.78	0.076	38.45	-19.67	20.93	0.124	40.61	-19.67
	QPSK	836.50	H	377	238	1.08	1 / 0	19.63	18.56	0.072	38.45	-19.89	20.71	0.118	40.61	-19.90
	QPSK	846.50	H	392	247	1.10	1 / 0	19.67	18.62	0.073	38.45	-19.83	20.77	0.119	40.61	-19.84
3 MHz	16-QAM	826.50	H	390	246	1.05	1 / 24	18.31	17.21	0.053	38.45	-21.24	19.36	0.086	40.61	-21.24
	16-QAM	836.50	H	377	238	1.08	1 / 0	18.35	17.28	0.053	38.45	-21.17	19.43	0.088	40.61	-21.18
	16-QAM	846.50	H	392	247	1.10	1 / 0	18.61	17.56	0.057	38.45	-20.89	19.71	0.093	40.61	-20.90
	QPSK	825.50	H	390	246	1.05	1 / 14	19.63	18.53	0.071	38.45	-19.92	20.68	0.117	40.61	-19.92
	QPSK	836.50	H	377	238	1.08	1 / 0	19.55	18.48	0.070	38.45	-19.98	20.63	0.115	40.61	-19.98
1.4 MHz	QPSK	847.50	H	392	247	1.10	1 / 14	19.57	18.52	0.071	38.45	-19.93	20.67	0.117	40.61	-19.94
	16-QAM	825.50	H	390	246	1.05	1 / 14	18.45	17.35	0.054	38.45	-21.10	19.50	0.089	40.61	-21.11
	16-QAM	836.50	H	377	238	1.08	1 / 0	18.26	17.19	0.052	38.45	-21.26	19.34	0.086	40.61	-21.27
	16-QAM	847.50	H	392	247	1.10	1 / 14	18.48	17.43	0.055	38.45	-21.02	19.58	0.091	40.61	-21.03
	QPSK	824.70	H	390	246	1.05	1 / 3	19.61	18.51	0.071	38.45	-19.94	20.66	0.116	40.61	-19.95
15MHz (Band 26 only)	QPSK	836.50	H	377	238	1.08	1 / 5	19.53	18.45	0.070	38.45	-20.00	20.60	0.115	40.61	-20.00
	QPSK	848.30	H	392	247	1.10	1 / 5	19.68	18.63	0.073	38.45	-19.82	20.78	0.120	40.61	-19.83
	16-QAM	824.70	H	390	246	1.05	1 / 0	18.62	17.52	0.056	38.45	-20.93	19.67	0.093	40.61	-20.94
	16-QAM	836.50	H	377	238	1.08	1 / 5	18.38	17.31	0.054	38.45	-21.14	19.46	0.088	40.61	-21.15
	16-QAM	848.30	H	392	247	1.10	1 / 5	18.48	17.43	0.055	38.45	-21.02	19.58	0.091	40.61	-21.02
15MHz (Band 26 only)	QPSK (Opposite Pol.)	831.50	V	134	271	1.06	1/1	19.01	17.92	0.062	38.45	-20.53	20.07	0.102	40.61	-20.54
	QPSK (WCP)	831.50	H	368	252	1.06	1/1	13.59	12.50	0.018	38.45	-25.95	14.65	0.029	40.61	-25.96

Table 7-12. ERP Data (LTE Band 26/5 – Ant1)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	11/2 BPSK	834.00	H	397	293	1.07	1 / 1	18.08	17.00	0.050	38.45	-21.45	19.15	0.082	40.61	-21.46
	11/2 BPSK	836.50	H	393	281	1.08	1 / 1	17.54	16.47	0.044	38.45	-21.99	18.62	0.073	40.61	-21.99
	11/2 BPSK	839.00	H	377	287	1.08	1 / 53	19.06	17.99	0.063	38.45	-20.46	20.14	0.103	40.61	-20.47
	QPSK	834.00	H	397	293	1.07	1 / 1	17.47	16.39	0.044	38.45	-22.06	18.54	0.071	40.61	-22.07
	QPSK	836.50	H	393	281	1.08	1 / 1	17.07	16.00	0.040	38.45	-22.46	18.15	0.065	40.61	-22.46
	QPSK	839.00	H	377	287	1.08	1 / 53	19.11	18.04	0.064	38.45	-20.41	20.19	0.105	40.61	-20.42
	16-QAM	834.00	H	397	293	1.07	1 / 1	16.47	15.39	0.035	38.45	-23.06	17.54	0.057	40.61	-23.07
	16-QAM	836.50	H	393	281	1.08	1 / 1	15.78	14.71	0.030	38.45	-23.75	16.86	0.048	40.61	-23.75
15 MHz	16-QAM	839.00	H	377	287	1.08	1 / 53	18.13	17.06	0.051	38.45	-21.39	19.21	0.083	40.61	-21.40
	11/2 BPSK	831.50	H	397	293	1.06	1 / 77	17.98	16.90	0.049	38.45	-21.55	19.05	0.080	40.61	-21.56
	11/2 BPSK	836.50	H	393	281	1.08	1 / 77	17.55	16.47	0.044	38.45	-21.98	18.62	0.073	40.61	-21.98
	11/2 BPSK	841.50	H	377	287	1.09	1 / 39	18.93	17.87	0.061	38.45	-20.58	20.02	0.100	40.61	-20.59
	QPSK	831.50	H	397	293	1.06	1 / 77	17.06	15.98	0.040	38.45	-22.47	18.13	0.065	40.61	-22.48
	QPSK	836.50	H	393	281	1.08	1 / 77	17.02	15.94	0.039	38.45	-22.51	18.09	0.064	40.61	-22.51
	QPSK	841.50	H	377	287	1.09	1 / 39	18.88	17.81	0.060	38.45	-20.64	19.96	0.099	40.61	-20.64
	16-QAM	831.50	H	397	293	1.06	1 / 77	16.38	15.29	0.034	38.45	-23.16	17.44	0.055	40.61	-23.16
10 MHz	16-QAM	836.50	H	393	281	1.08	1 / 77	15.55	14.48	0.028	38.45	-23.97	16.63	0.046	40.61	-23.98
	16-QAM	841.50	H	377	287	1.09	1 / 39	17.75	16.69	0.047	38.45	-21.76	18.84	0.077	40.61	-21.77
	11/2 BPSK	829.00	H	397	293	1.06	1 / 50	17.88	16.79	0.048	38.45	-21.66	18.94	0.078	40.61	-21.67
	11/2 BPSK	836.50	H	393	281	1.08	1 / 50	17.62	16.54	0.045	38.45	-21.91	18.69	0.074	40.61	-21.91
	11/2 BPSK	844.00	H	377	287	1.09	1 / 50	18.60	17.54	0.057	38.45	-20.91	19.69	0.093	40.61	-20.92
	QPSK	829.00	H	397	293	1.06	1 / 50	17.10	16.01	0.040	38.45	-22.44	18.16	0.065	40.61	-22.45
	QPSK	836.50	H	393	281	1.08	1 / 50	17.04	15.97	0.040	38.45	-22.48	18.12	0.065	40.61	-22.49
	QPSK	844.00	H	377	287	1.09	1 / 50	18.69	17.63	0.058	38.45	-20.82	19.78	0.095	40.61	-20.82
5 MHz	16-QAM	829.00	H	397	293	1.06	1 / 50	16.05	14.96	0.031	38.45	-23.49	17.11	0.051	40.61	-23.50
	16-QAM	836.50	H	393	281	1.08	1 / 50	15.36	14.29	0.027	38.45	-24.16	16.44	0.044	40.61	-24.17
	16-QAM	844.00	H	377	287	1.09	1 / 50	18.30	17.24	0.053	38.45	-21.21	19.39	0.087	40.61	-21.21
	11/2 BPSK	829.00	H	397	293	1.05	1 / 12	17.85	16.75	0.047	38.45	-21.70	18.90	0.078	40.61	-21.71
	11/2 BPSK	836.50	H	393	281	1.08	1 / 12	17.54	16.46	0.044	38.45	-21.99	18.61	0.073	40.61	-21.99
	11/2 BPSK	844.00	H	377	287	1.10	1 / 12	18.83	17.78	0.060	38.45	-20.67	19.93	0.098	40.61	-20.68
	QPSK	829.00	H	397	293	1.05	1 / 12	17.16	16.06	0.040	38.45	-22.39	18.21	0.066	40.61	-22.40
	QPSK	836.50	H	393	281	1.08	1 / 12	16.87	15.80	0.038	38.45	-22.65	17.95	0.062	40.61	-22.66
20 MHz	QPSK	844.00	H	377	287	1.10	1 / 12	18.92	17.87	0.061	38.45	-20.59	20.02	0.100	40.61	-20.59
	16-QAM	829.00	H	397	293	1.05	1 / 12	16.05	14.96	0.031	38.45	-23.49	17.11	0.051	40.61	-23.50
	16-QAM	836.50	H	393	281	1.08	1 / 12	15.59	14.51	0.028	38.45	-23.94	16.66	0.046	40.61	-23.94
	16-QAM	844.00	H	377	287	1.10	1 / 12	18.19	17.14	0.052	38.45	-21.31	19.29	0.085	40.61	-21.32
	QPSK (CP-OFDM)	839.00	H	367	284	1.30	1/104	16.75	15.90	0.039	38.45	-22.55	18.05	0.064	40.61	-22.56
	QPSK (Opposite Pol.)	839.00	V	136	258	1.30	1/53	16.36	15.51	0.036	38.45	-22.94	17.66	0.058	40.61	-22.95
	QPSK (WCP)	839.00	H	361	289	1.30	1/53	17.24	16.39	0.044	38.45	-22.06	18.54	0.071	40.61	-22.07

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.20	GSM850	V	133	241	24.03	1.09	22.97	0.198	38.45	-15.48	25.12	0.325	40.61	-15.48
836.60	GSM850	V	140	250	24.87	1.36	24.08	0.256	38.45	-14.38	26.23	0.419	40.61	-14.38
848.80	GSM850	V	148	251	24.81	1.61	24.27	0.267	38.45	-14.18	26.42	0.438	40.61	-14.19
848.80	GSM850	H	205	275	24.28	1.74	23.87	0.244	38.45	-14.58	26.02	0.400	40.61	-14.59
848.80	EDGE850	V	141	244	18.82	1.61	18.28	0.067	38.45	-20.17	20.43	0.110	40.61	-20.18
848.80	GSM850 (WCP)	V	147	252	21.11	1.61	20.57	0.114	38.45	-17.88	22.72	0.187	40.61	-17.89

Table 7-14. ERP Data (GPRS Cell – Ant1)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
826.40	WCDMA850	V	133	236	17.01	1.14	16.00	0.040	38.45	-22.45	18.15	0.065	40.61	-22.46
836.60	WCDMA850	V	140	245	17.38	1.36	16.59	0.046	38.45	-21.87	18.74	0.075	40.61	-21.87
846.60	WCDMA850	V	139	227	16.88	1.56	16.29	0.043	38.45	-22.16	18.44	0.070	40.61	-22.16
836.60	WCDMA850	H	222	279	16.85	1.54	16.24	0.042	38.45	-22.21	18.39	0.069	40.61	-22.21
836.60	WCDMA850 (WCP)	V	139	237	13.87	1.36	13.08	0.020	38.45	-25.38	15.23	0.033	40.61	-25.38

Table 7-15. ERP Data (WCDMA Cell – Ant1)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
15MHz (Band 26 only)	QPSK	831.50	H	224	235	1.46	1 / 74	20.31	19.62	0.092	38.45	-18.83	21.77	0.150	40.61	-18.84
	QPSK	836.50	H	224	229	1.54	1 / 37	20.03	19.42	0.088	38.45	-19.03	21.57	0.144	40.61	-19.03
	QPSK	841.50	H	217	231	1.62	1 / 74	20.03	19.50	0.089	38.45	-18.95	21.65	0.146	40.61	-18.95
	16-QAM	831.50	H	224	235	1.46	1 / 74	19.34	18.65	0.073	38.45	-19.80	20.80	0.120	40.61	-19.81
	16-QAM	836.50	H	224	229	1.54	1 / 37	18.94	18.33	0.068	38.45	-20.12	20.48	0.112	40.61	-20.12
	16-QAM	841.50	H	217	231	1.62	1 / 74	19.02	18.49	0.071	38.45	-19.96	20.64	0.116	40.61	-19.96
10 MHz	QPSK	829.00	H	224	235	1.42	1 / 0	20.22	19.49	0.089	38.45	-18.96	21.64	0.146	40.61	-18.96
	QPSK	836.50	H	224	229	1.54	1 / 49	20.10	19.50	0.089	38.45	-18.95	21.65	0.146	40.61	-18.96
	QPSK	844.00	H	217	231	1.66	1 / 49	20.00	19.52	0.090	38.45	-18.93	21.67	0.147	40.61	-18.94
	16-QAM	829.00	H	224	235	1.42	1 / 0	19.21	18.48	0.070	38.45	-19.98	20.63	0.115	40.61	-19.98
	16-QAM	836.50	H	224	229	1.54	1 / 49	18.91	18.30	0.068	38.45	-20.15	20.45	0.111	40.61	-20.16
	16-QAM	844.00	H	217	231	1.66	1 / 49	18.79	18.30	0.068	38.45	-20.15	20.45	0.111	40.61	-20.15
5 MHz	QPSK	826.50	H	224	235	1.38	1 / 12	20.32	19.55	0.090	38.45	-18.90	21.70	0.148	40.61	-18.90
	QPSK	836.50	H	224	229	1.54	1 / 0	20.16	19.55	0.090	38.45	-18.90	21.70	0.148	40.61	-18.91
	QPSK	846.50	H	217	231	1.70	1 / 12	19.91	19.46	0.088	38.45	-18.99	21.61	0.145	40.61	-19.00
	16-QAM	826.50	H	224	235	1.38	1 / 12	19.26	18.49	0.071	38.45	-19.96	20.64	0.116	40.61	-19.96
	16-QAM	836.50	H	224	229	1.54	1 / 0	18.91	18.30	0.068	38.45	-20.15	20.45	0.111	40.61	-20.16
	16-QAM	846.50	H	217	231	1.70	1 / 12	18.92	18.47	0.070	38.45	-19.98	20.62	0.115	40.61	-19.99
3 MHz	QPSK	825.50	H	224	235	1.36	1 / 0	19.87	19.08	0.081	38.45	-19.37	21.23	0.133	40.61	-19.38
	QPSK	836.50	H	224	229	1.54	1 / 0	19.65	19.05	0.080	38.45	-19.40	21.20	0.132	40.61	-19.41
	QPSK	847.50	H	217	231	1.72	1 / 0	19.51	19.08	0.081	38.45	-19.37	21.23	0.133	40.61	-19.37
	16-QAM	825.50	H	224	235	1.36	1 / 0	19.25	18.46	0.070	38.45	-19.99	20.61	0.115	40.61	-19.99
	16-QAM	836.50	H	224	229	1.54	1 / 0	18.65	18.04	0.064	38.45	-20.41	20.19	0.104	40.61	-20.42
	16-QAM	847.50	H	217	231	1.72	1 / 0	18.58	18.15	0.065	38.45	-20.30	20.30	0.107	40.61	-20.31
1.4 MHz	QPSK	824.70	H	224	235	1.35	1 / 0	20.04	19.24	0.084	38.45	-19.21	21.39	0.138	40.61	-19.22
	QPSK	836.50	H	224	229	1.54	1 / 0	19.90	19.29	0.085	38.45	-19.16	21.44	0.139	40.61	-19.17
	QPSK	848.30	H	217	231	1.73	1 / 0	19.91	19.50	0.089	38.45	-18.96	21.65	0.146	40.61	-18.96
	16-QAM	824.70	H	224	235	1.35	1 / 0	19.37	18.57	0.072	38.45	-19.88	20.72	0.118	40.61	-19.89
	16-QAM	836.50	H	224	229	1.54	1 / 0	18.90	18.29	0.067	38.45	-20.16	20.44	0.111	40.61	-20.17
	16-QAM	848.30	H	217	231	1.73	1 / 0	18.91	18.49	0.071	38.45	-19.96	20.64	0.116	40.61	-19.97
15MHz	QPSK (Opposite Pol.)	831.50	V	123	294	1.25	1/37	18.97	18.07	0.064	38.45	-20.38	20.22	0.105	40.61	-20.39
	QPSK (WCP)	831.50	H	217	239	1.46	1/37	18.85	18.16	0.065	38.45	-20.29	20.31	0.107	40.61	-20.30

Table 7-16. ERP Data (LTE Band 26/5 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset		Page 136 of 162

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	11/2 BPSK	834.00	H	212	234	1.50	1 / 53	20.45	19.80	0.096	38.45	-18.65	21.95	0.157	40.61	-18.65
	11/2 BPSK	836.50	H	215	234	1.54	1 / 53	20.54	19.93	0.098	38.45	-18.52	22.08	0.162	40.61	-18.52
	11/2 BPSK	839.00	H	225	234	1.58	1 / 53	20.55	19.98	0.100	38.45	-18.47	22.13	0.163	40.61	-18.47
	QPSK	834.00	H	212	234	1.50	1 / 53	20.42	19.77	0.095	38.45	-18.68	21.92	0.156	40.61	-18.68
	QPSK	836.50	H	215	234	1.54	1 / 53	20.48	19.87	0.097	38.45	-18.58	22.02	0.159	40.61	-18.58
	QPSK	839.00	H	225	234	1.58	1 / 53	20.53	19.96	0.099	38.45	-18.49	22.11	0.163	40.61	-18.49
	16-QAM	834.00	H	212	234	1.50	1 / 53	19.41	18.76	0.075	38.45	-19.69	20.91	0.123	40.61	-19.69
	16-QAM	836.50	H	215	234	1.54	1 / 53	19.50	18.89	0.077	38.45	-19.56	21.04	0.127	40.61	-19.56
15 MHz	16-QAM	839.00	H	225	234	1.58	1 / 53	19.52	18.95	0.079	38.45	-19.50	21.10	0.129	40.61	-19.50
	11/2 BPSK	831.50	H	212	234	1.46	1 / 39	20.33	19.64	0.092	38.45	-18.81	21.79	0.151	40.61	-18.82
	11/2 BPSK	836.50	H	215	234	1.54	1 / 77	20.60	19.99	0.100	38.45	-18.46	22.14	0.164	40.61	-18.46
	11/2 BPSK	841.50	H	225	234	1.62	1 / 39	20.69	20.16	0.104	38.45	-18.29	22.31	0.170	40.61	-18.30
	QPSK	831.50	H	212	234	1.46	1 / 39	20.47	19.78	0.095	38.45	-18.67	21.93	0.156	40.61	-18.68
	QPSK	836.50	H	215	234	1.54	1 / 77	20.45	19.84	0.096	38.45	-18.61	21.99	0.158	40.61	-18.62
	QPSK	841.50	H	225	234	1.62	1 / 39	20.52	19.99	0.100	38.45	-18.46	22.14	0.164	40.61	-18.47
	16-QAM	831.50	H	212	234	1.46	1 / 39	19.89	19.21	0.083	38.45	-19.25	21.36	0.137	40.61	-19.25
10 MHz	16-QAM	836.50	H	215	234	1.54	1 / 77	19.63	19.03	0.080	38.45	-19.43	21.18	0.131	40.61	-19.43
	16-QAM	841.50	H	225	234	1.62	1 / 39	19.55	19.02	0.080	38.45	-19.43	21.17	0.131	40.61	-19.43
	11/2 BPSK	829.00	H	212	234	1.42	1 / 26	20.53	19.80	0.095	38.45	-18.65	21.95	0.157	40.61	-18.66
	11/2 BPSK	836.50	H	215	234	1.54	1 / 50	20.70	20.09	0.102	38.45	-18.36	22.24	0.167	40.61	-18.37
	11/2 BPSK	844.00	H	225	234	1.66	1 / 26	20.60	20.11	0.103	38.45	-18.34	22.26	0.168	40.61	-18.35
	QPSK	829.00	H	212	234	1.42	1 / 26	20.44	19.71	0.094	38.45	-18.74	21.86	0.153	40.61	-18.75
	QPSK	836.50	H	215	234	1.54	1 / 50	20.48	19.87	0.097	38.45	-18.58	22.02	0.159	40.61	-18.59
	QPSK	844.00	H	225	234	1.66	1 / 26	20.54	20.05	0.101	38.45	-18.40	22.20	0.166	40.61	-18.40
5 MHz	16-QAM	829.00	H	212	234	1.42	1 / 26	19.79	19.06	0.081	38.45	-19.39	21.21	0.132	40.61	-19.40
	16-QAM	836.50	H	215	234	1.54	1 / 50	19.51	18.91	0.078	38.45	-19.54	21.06	0.128	40.61	-19.55
	16-QAM	844.00	H	225	234	1.66	1 / 26	19.68	19.19	0.083	38.45	-19.26	21.34	0.136	40.61	-19.26
	11/2 BPSK	829.00	H	212	234	1.38	1 / 12	20.65	19.88	0.097	38.45	-18.57	22.03	0.160	40.61	-18.58
	11/2 BPSK	836.50	H	215	234	1.54	1 / 12	20.70	20.09	0.102	38.45	-18.36	22.24	0.168	40.61	-18.36
	11/2 BPSK	844.00	H	225	234	1.70	1 / 12	20.59	20.15	0.103	38.45	-18.30	22.30	0.170	40.61	-18.31
	QPSK	829.00	H	212	234	1.38	1 / 12	20.78	20.01	0.100	38.45	-18.44	22.16	0.164	40.61	-18.45
	QPSK	836.50	H	215	234	1.54	1 / 12	20.42	19.82	0.096	38.45	-18.64	21.97	0.157	40.61	-18.64
20 MHz	QPSK	844.00	H	225	234	1.70	1 / 12	20.52	20.07	0.102	38.45	-18.38	22.22	0.167	40.61	-18.39
	16-QAM	829.00	H	212	234	1.38	1 / 12	20.03	19.25	0.084	38.45	-19.20	21.40	0.138	40.61	-19.20
	16-QAM	836.50	H	215	234	1.54	1 / 12	19.58	18.98	0.079	38.45	-19.48	21.13	0.130	40.61	-19.48
	16-QAM	844.00	H	225	234	1.70	1 / 12	19.80	19.35	0.086	38.45	-19.10	21.50	0.141	40.61	-19.10
	QPSK (CP-OFDM)	839.00	H	222	240	1.58	1/53	18.75	18.18	0.066	38.45	-20.27	20.33	0.108	40.61	-20.27
	QPSK (Opposite Pol.)	839.00	V	123	284	1.41	1/53	19.04	18.30	0.068	38.45	-20.16	20.45	0.111	40.61	-20.16
	QPSK (WCP)	839.00	H	222	234	1.58	1/53	18.25	17.68	0.059	38.45	-20.77	19.83	0.096	40.61	-20.77

Table 7-17. ERP Data (NR Band n26/5 – Ant2)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.20	GSM850	H	113	251	30.60	1.12	29.57	0.906	38.45	-8.88	31.72	1.487	40.61	-8.88
836.60	GSM850	H	109	240	29.72	1.18	28.75	0.751	38.45	-9.70	30.90	1.232	40.61	-9.70
848.80	GSM850	H	112	244	30.21	1.24	29.30	0.852	38.45	-9.15	31.45	1.398	40.61	-9.15
824.20	GSM850	V	134	242	29.32	1.12	28.29	0.675	38.45	-10.16	30.44	1.107	40.61	-10.16
824.20	EDGE850	H	113	251	24.60	1.12	23.57	0.228	38.45	-14.88	25.72	0.374	40.61	-14.88
824.20	GSM850 (WCP)	H	113	251	24.53	1.12	23.50	0.224	38.45	-14.95	25.65	0.368	40.61	-14.95

Table 7-18. ERP Data (GPRS Cell – Ant2)

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
826.40	WCDMA850	H	214	237	20.64	1.38	19.87	0.097	38.45	-18.58	22.02	0.159	40.61	-18.59
836.60	WCDMA850	H	221	235	20.81	1.54	20.20	0.105	38.45	-18.25	22.35	0.172	40.61	-18.25
846.60	WCDMA850	H	207	235	21.00	1.71	20.56	0.114	38.45	-17.89	22.71	0.186	40.61	-17.90
846.60	WCDMA850	V	120	290	18.98	1.56	18.39	0.069	38.45	-20.06	20.54	0.113	40.61	-20.06
846.60	WCDMA850 (WCP)	H	207	226	17.62	1.71	17.18	0.052	38.45	-21.27	19.33	0.086	40.61	-21.28

Table 7-19. ERP Data (WCDMA Cell – Ant2)

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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

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Test Setup

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

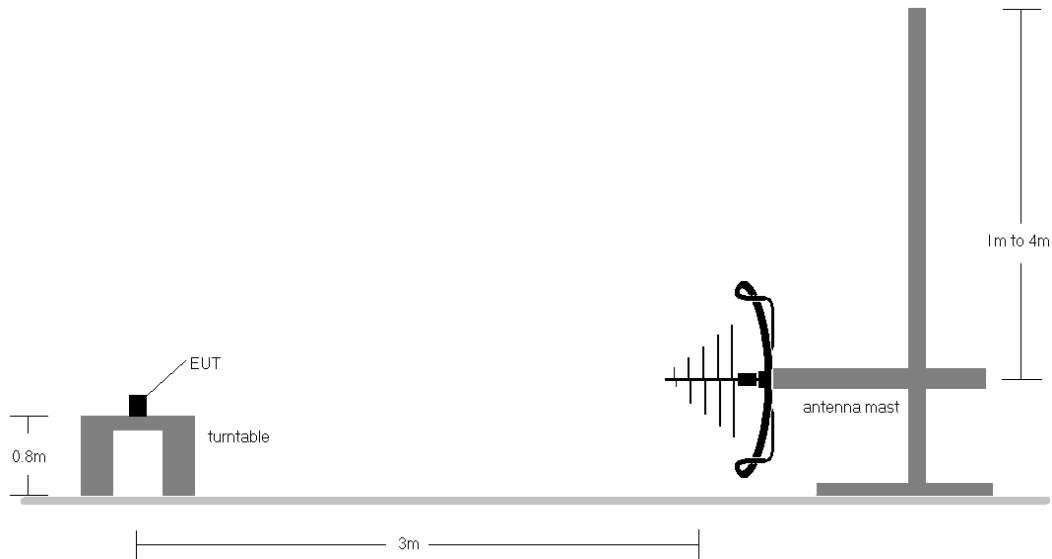


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

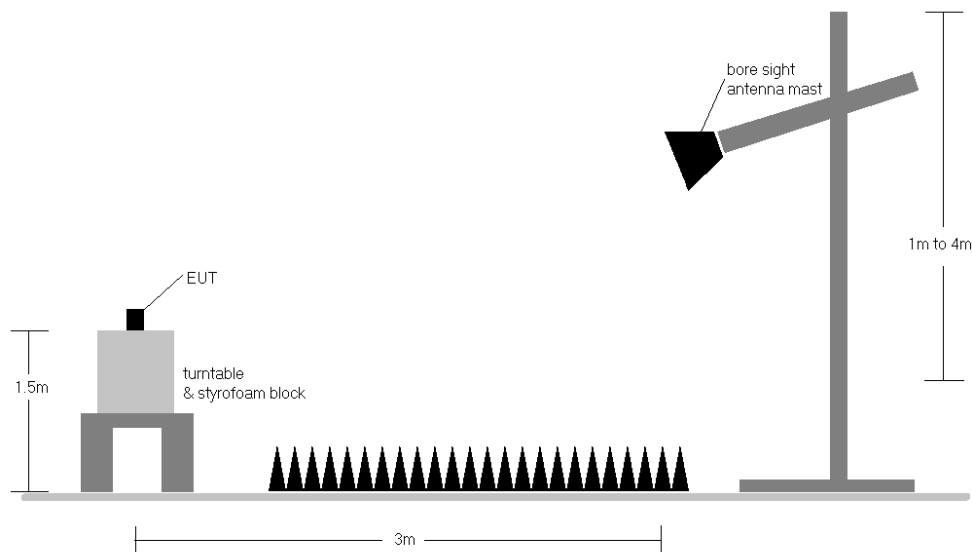


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

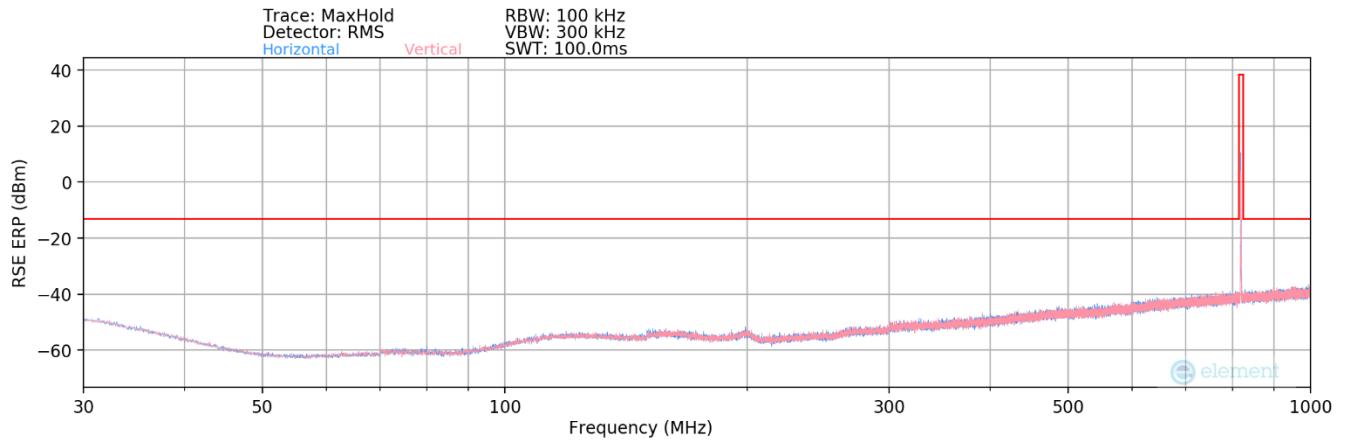
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26:2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - 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.

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LTE Band 26/5 – Ant1

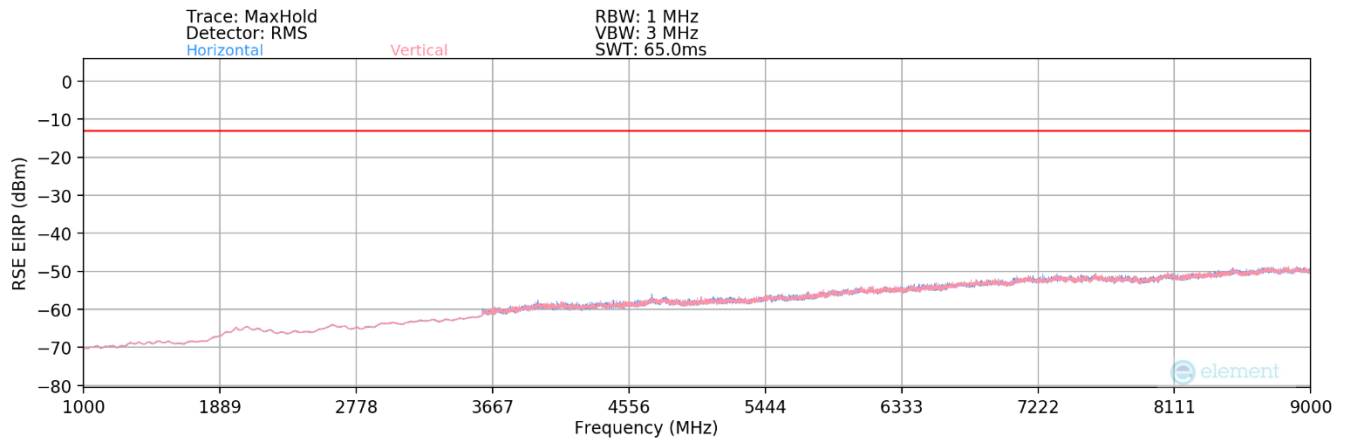


Plot 7-187. Radiated Spurious Plot (LTE Band 26/5 – Ant1)

Bandwidth (MHz):	15
Frequency (MHz):	836.5
RB / Offset:	1 / 37

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	-	-	-108.55	18.87	17.32	-80.09	-13.00	-67.09

Table 7-20. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant1)



Plot 7-188. Radiated Spurious Plot (LTE Band 26/5 – Ant1)

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Bandwidth (MHz):	15
Frequency (MHz):	831.5
RB / Offset:	1 / 37

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]
1663.00	H	-	-	-76.98	-7.06	22.96	-72.30	-13.00	-59.30
2494.50	H	-	-	-76.99	-4.26	25.75	-69.51	-13.00	-56.51
3326.00	H	-	-	-77.77	-1.22	28.01	-67.24	-13.00	-54.24

Table 7-21. Radiated Spurious Data (LTE Band 26/5 – Low Channel – Ant1)

Bandwidth (MHz):	15
Frequency (MHz):	836.5
RB / Offset:	1 / 37

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]
1673.00	H	-	-	-76.70	-6.94	23.36	-71.90	-13.00	-58.90
2509.50	H	-	-	-77.14	-3.99	25.87	-69.38	-13.00	-56.38
3346.00	H	-	-	-77.44	-1.04	28.52	-66.74	-13.00	-53.74

Table 7-22. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant1)

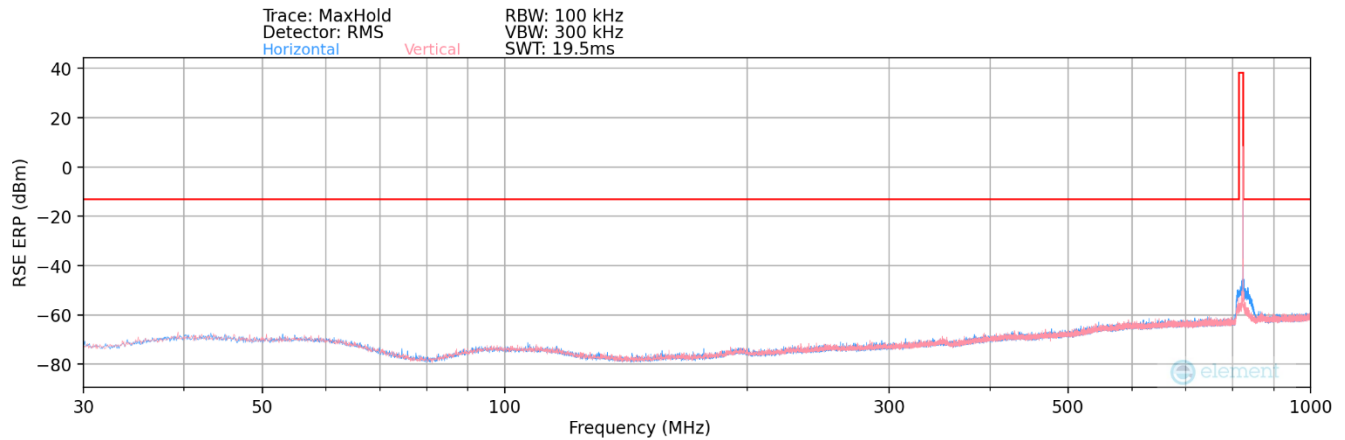
Bandwidth (MHz):	15
Frequency (MHz):	841.5
RB / Offset:	1 / 37

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]
1683.00	H	-	-	-76.87	-6.82	23.31	-71.95	-13.00	-58.95
2524.50	H	-	-	-77.13	-3.74	26.13	-69.13	-13.00	-56.13
3366.00	H	-	-	-77.39	-1.03	28.58	-66.68	-13.00	-53.68

Table 7-23. Radiated Spurious Data (LTE Band 26/5 – High Channel – Ant1)

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NR Band n26/5 – Ant1

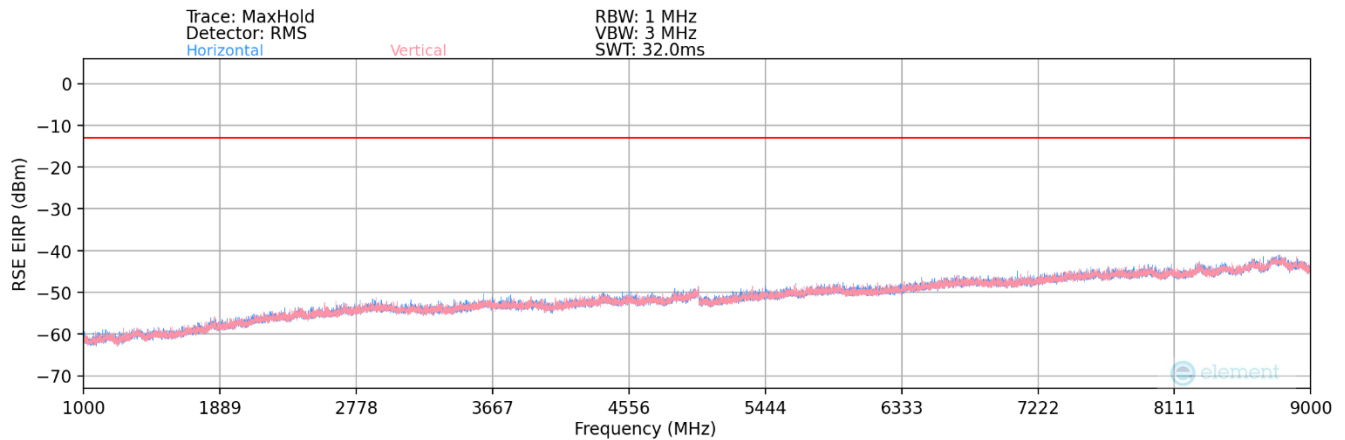


Plot 7-189. Radiated Spurious Plot (NR Band n26/5 – Ant1)

Bandwidth (MHz):	20
Frequency (MHz):	836.5
RB / Offset:	1 / 53

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]
645.00	H	-	-	-86.98	-3.94	16.08	-81.33	-13.00	-68.33

Table 7-24. Radiated Spurious Data (NR Band n26/5 – Mid Channel – Ant1)



Plot 7-190. Radiated Spurious Plot (NR Band n26/5 – Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	834
RB / Offset:	1 / 53

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]
1668.00	V	-	-	-78.09	0.37	29.28	-65.98	-13.00	-52.98
2502.00	V	-	-	-79.01	4.12	32.11	-63.15	-13.00	-50.15
3336.00	V	-	-	-80.07	7.03	33.96	-61.30	-13.00	-48.30

Table 7-25. Radiated Spurious Data (NR Band n26/5 – Low Channel – Ant1)

Bandwidth (MHz):	20
Frequency (MHz):	836.5
RB / Offset:	1 / 53

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]
1673.00	V	-	-	-78.11	0.47	29.36	-65.90	-13.00	-52.90
2509.50	V	-	-	-78.87	4.12	32.25	-63.00	-13.00	-50.00
3346.00	V	-	-	-79.71	6.86	34.15	-61.11	-13.00	-48.11

Table 7-26. Radiated Spurious Data (NR Band n26/5 – Mid Channel – Ant1)

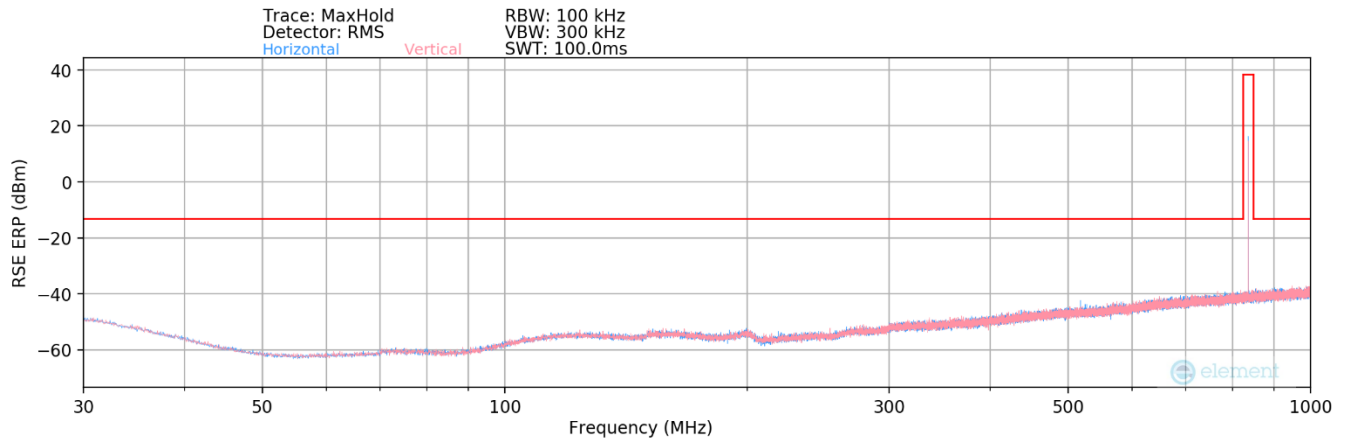
Bandwidth (MHz):	20
Frequency (MHz):	839
RB / Offset:	1 / 53

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]
1678.00	V	-	-	-78.18	0.55	29.37	-65.88	-13.00	-52.88
2517.00	V	-	-	-78.98	4.36	32.38	-62.88	-13.00	-49.88
3356.00	V	-	-	-79.82	6.71	33.89	-61.37	-13.00	-48.37

Table 7-27. Radiated Spurious Data (NR Band n26/5 – High Channel – Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS Cell – Ant1

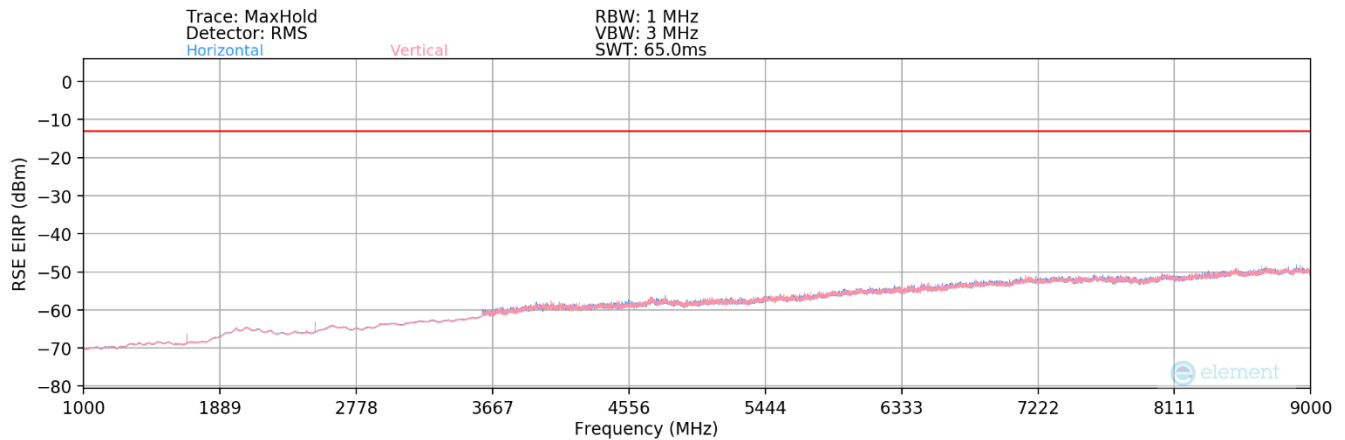


Plot 7-191. Radiated Spurious Plot (GPRS Cell – Ant1)

Mode:	GPRS 1 Tx Slot
Channel:	190
Frequency (MHz):	836.6

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]
520.00	H	-	-	-101.12	26.09	31.97	-65.44	-13.00	-52.44

Table 7-28. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant1)



Plot 7-192. Radiated Spurious Plot (GPRS Cell – Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:	GPRS 1 Tx Slot
Channel:	128
Frequency (MHz):	824.2

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]
1648.40	H	168	150	-66.91	-7.22	32.87	-62.39	-13.00	-49.39
2472.60	H	277	104	-69.17	-4.43	33.40	-61.86	-13.00	-48.86
3296.80	H	125	129	-71.03	-1.20	34.77	-60.48	-13.00	-47.48
4121.00	H	-	-	-75.85	1.60	32.75	-62.51	-13.00	-49.51
4945.20	H	-	-	-76.34	2.54	33.20	-62.06	-13.00	-49.06
5769.40	H	-	-	-76.83	4.70	34.87	-60.38	-13.00	-47.38

Table 7-29. Radiated Spurious Data (GPRS Cell – Low Channel – Ant1)

Mode:	GPRS 1 Tx Slot
Channel:	190
Frequency (MHz):	836.6

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]
1673.20	H	150	150	-67.14	-6.94	32.92	-62.34	-13.00	-49.34
2509.80	H	127	148	-66.59	-3.98	36.43	-58.83	-13.00	-45.83
3346.40	H	141	138	-71.03	-1.04	34.93	-60.32	-13.00	-47.32
4183.00	H	-	-	-75.96	1.55	32.59	-62.67	-13.00	-49.67
5019.60	H	-	-	-76.84	2.91	33.07	-62.18	-13.00	-49.18
5856.20	H	-	-	-77.10	5.43	35.33	-59.93	-13.00	-46.93

Table 7-30. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant1)

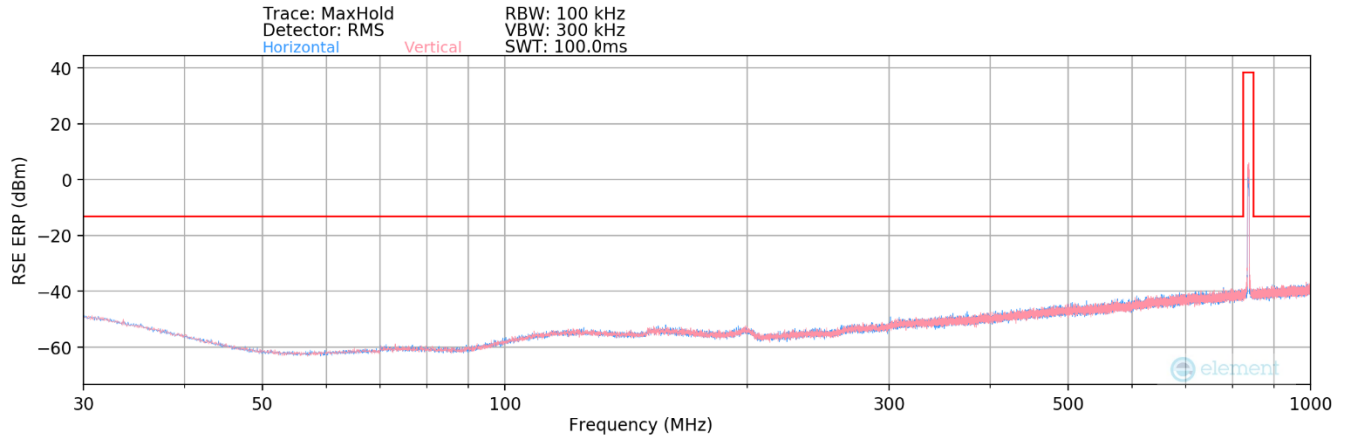
Mode:	GPRS 1 Tx Slot
Channel:	251
Frequency (MHz):	848.8

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]
1697.60	H	154	201	-69.64	-6.66	30.70	-64.56	-13.00	-51.56
2546.40	H	125	146	-65.43	-3.43	38.14	-57.12	-13.00	-44.12
3395.20	H	145	120	-71.53	-1.15	34.32	-60.94	-13.00	-47.94
4244.00	H	-	-	-76.15	1.56	32.41	-62.84	-13.00	-49.84
5092.80	H	-	-	-76.30	3.11	33.81	-61.45	-13.00	-48.45
5941.60	H	-	-	-76.81	5.62	35.81	-59.45	-13.00	-46.45

Table 7-31. Radiated Spurious Data (GPRS Cell – High Channel – Ant1)

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WCDMA Cell – Ant1

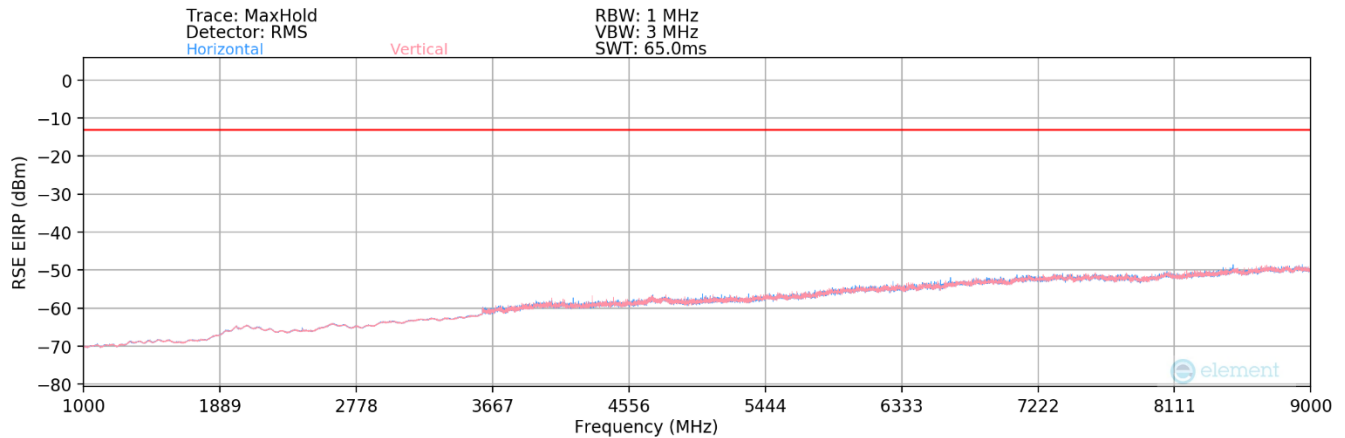


Plot 7-193. Radiated Spurious Plot (WCDMA Cell – Ant1)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6

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]
525.00	H	-	-	-108.39	26.20	24.81	-72.60	-13.00	-59.60

Table 7-32. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant1)



Plot 7-194. Radiated Spurious Plot (WCDMA Cell – Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 147 of 162

Mode:	WCDMA RMC
Channel:	4132
Frequency (MHz):	826.4

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]
1652.80	H	-	-	-76.80	-7.17	23.03	-72.23	-13.00	-59.23
2479.20	H	-	-	-77.03	-4.40	25.57	-69.69	-13.00	-56.69
3305.60	H	-	-	-77.73	-1.27	28.00	-67.26	-13.00	-54.26

Table 7-33. Radiated Spurious Data (WCDMA Cell – Low Channel – Ant1)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6

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]
1673.20	H	-	-	-76.81	-6.94	23.25	-72.01	-13.00	-59.01
2509.80	H	-	-	-77.28	-3.98	25.74	-69.52	-13.00	-56.52
3346.40	H	-	-	-77.45	-1.04	28.51	-66.74	-13.00	-53.74

Table 7-34. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant1)

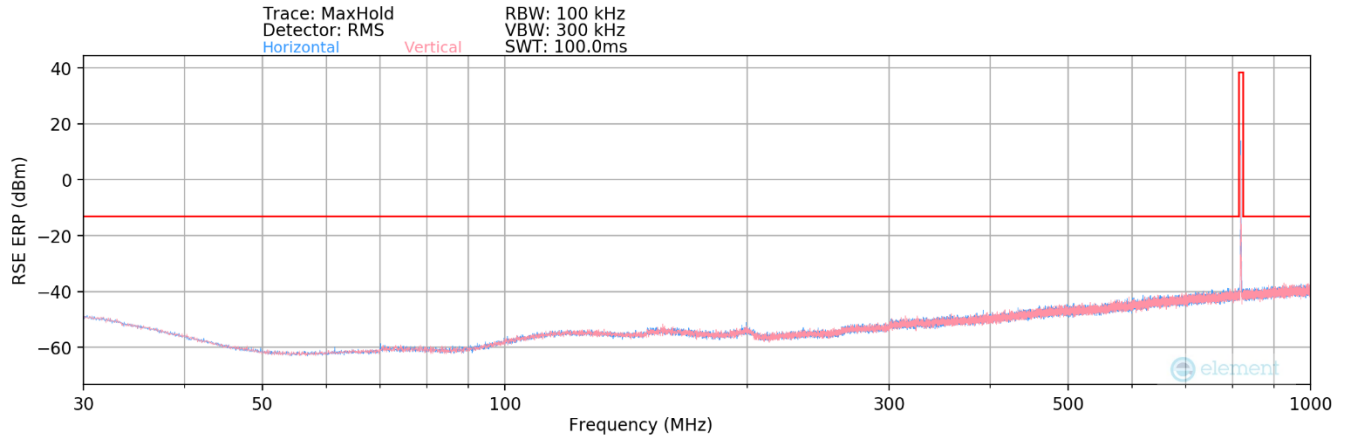
Mode:	WCDMA RMC
Channel:	4233
Frequency (MHz):	846.6

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]
1693.20	H	-	-	-76.94	-6.71	23.35	-71.91	-13.00	-58.91
2539.80	H	-	-	-77.08	-3.53	26.39	-68.86	-13.00	-55.86
3386.40	H	-	-	-77.42	-1.14	28.44	-66.82	-13.00	-53.82

Table 7-35. Radiated Spurious Data (WCDMA Cell – High Channel – Ant1)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5 – Ant2

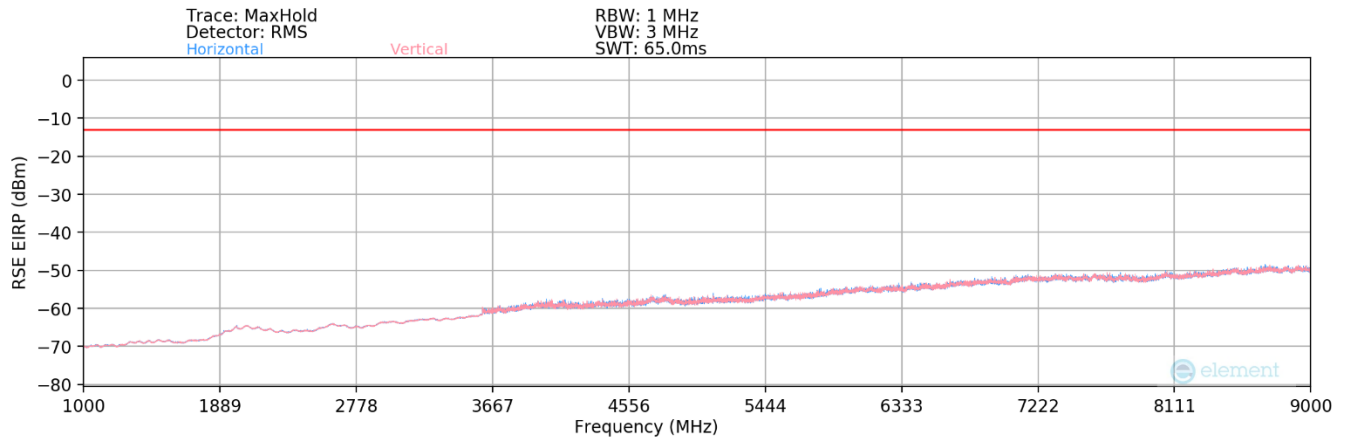


Plot 7-195. Radiated Spurious Plot (LTE Band 26/5 – Ant2)

Bandwidth (MHz):	15
Frequency (MHz):	836.5
RB / Offset:	1 / 37

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]
450.00	H	-	-	-108.12	24.84	23.72	-73.69	-13.00	-60.69

Table 7-36. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant2)



Plot 7-196. Radiated Spurious Plot (LTE Band 26/5 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 149 of 162

Bandwidth (MHz):	15
Frequency (MHz):	831.5
RB / Offset:	1 / 37

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]
1663.00	H	-	-	-76.93	-7.06	23.01	-72.25	-13.00	-59.25
2494.50	H	-	-	-77.05	-4.26	25.69	-69.57	-13.00	-56.57
3326.00	H	-	-	-77.69	-1.22	28.09	-67.16	-13.00	-54.16

Table 7-37. Radiated Spurious Data (LTE Band 26/5 – Low Channel – Ant2)

Bandwidth (MHz):	15
Frequency (MHz):	836.5
RB / Offset:	1 / 37

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]
1673.00	H	-	-	-76.79	-6.94	23.27	-71.99	-13.00	-58.99
2509.50	H	-	-	-77.24	-3.99	25.77	-69.48	-13.00	-56.48
3346.00	H	-	-	-77.46	-1.04	28.50	-66.76	-13.00	-53.76

Table 7-38. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant2)

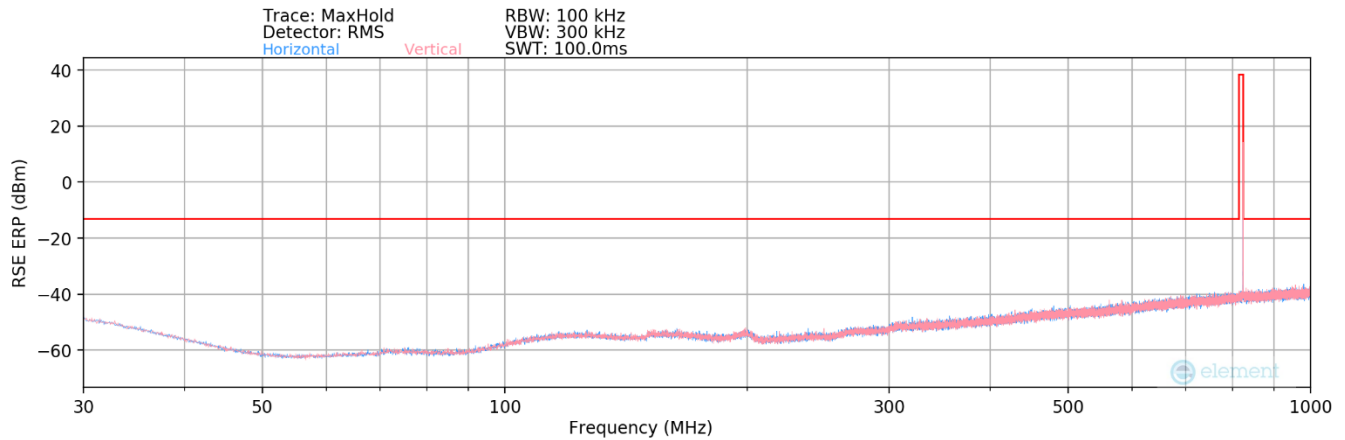
Bandwidth (MHz):	15
Frequency (MHz):	841.5
RB / Offset:	1 / 37

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]
1683.00	H	-	-	-76.89	-6.82	23.29	-71.97	-13.00	-58.97
2524.50	H	-	-	-76.99	-3.74	26.27	-68.99	-13.00	-55.99
3366.00	H	-	-	-77.25	-1.03	28.72	-66.54	-13.00	-53.54

Table 7-39. Radiated Spurious Data (LTE Band 26/5 – High Channel – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n26/5 – Ant2

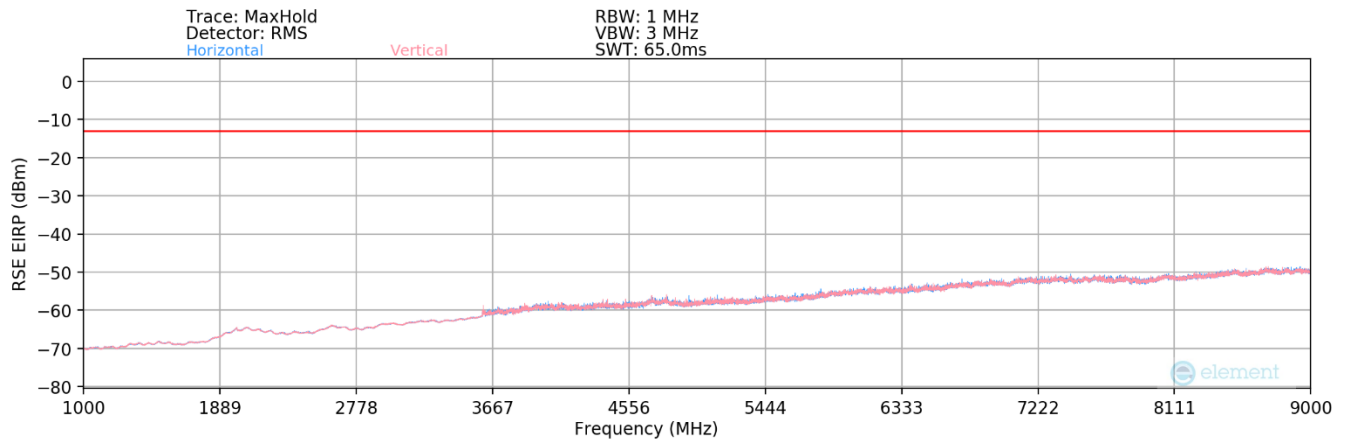


Plot 7-197. Radiated Spurious Plot (NR Band n26/5 – Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	836.5
RB / Offset:	1 / 53

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]
610.00	V	-	-	-86.39	-4.14	16.47	-80.93	-13.00	-67.93

Table 7-40. Radiated Spurious Data (NR Band n26/5 – Mid Channel – Ant2)



Plot 7-198. Radiated Spurious Plot (NR Band n26/5 – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	834
RB / Offset:	1 / 53

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]
1668.00	H	-	-	-78.24	0.37	29.13	-66.13	-13.00	-53.13
2502.00	H	-	-	-78.39	4.12	32.73	-62.53	-13.00	-49.53
3336.00	H	-	-	-80.02	7.03	34.01	-61.25	-13.00	-48.25

Table 7-41. Radiated Spurious Data (NR Band n26/5 – Low Channel – Ant2)

Bandwidth (MHz):	20
Frequency (MHz):	836.5
RB / Offset:	1 / 53

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]
1673.00	H	-	-	-78.03	0.47	29.44	-65.82	-13.00	-52.82
2509.50	H	-	-	-78.86	4.12	32.26	-62.99	-13.00	-49.99
3346.00	H	-	-	-79.92	6.86	33.94	-61.32	-13.00	-48.32

Table 7-42. Radiated Spurious Data (NR Band n26/5 – Mid Channel – Ant2)

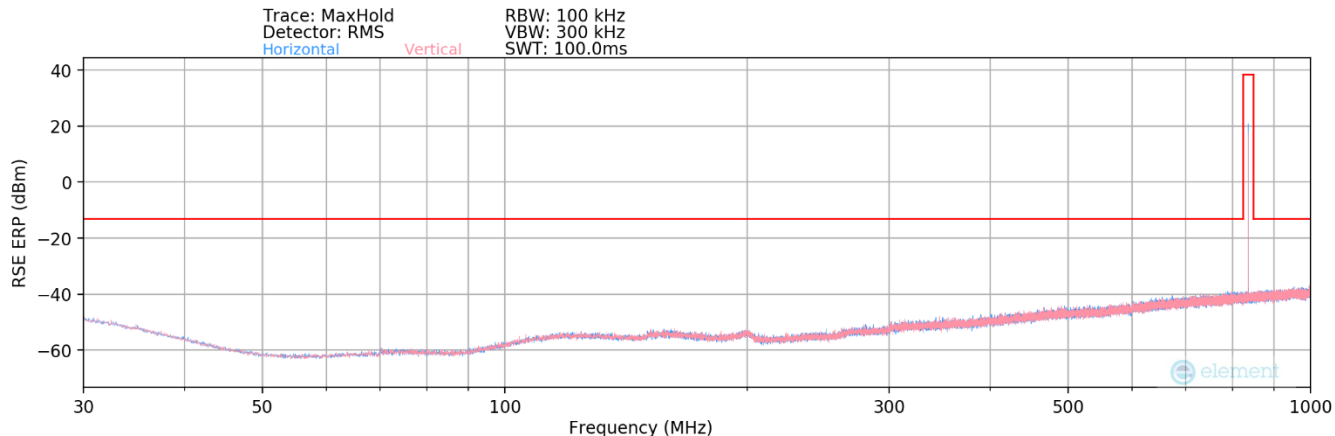
Bandwidth (MHz):	20
Frequency (MHz):	839
RB / Offset:	1 / 53

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]
1678.00	H	-	-	-78.09	0.55	29.46	-65.79	-13.00	-52.79
2517.00	H	-	-	-79.02	4.36	32.34	-62.92	-13.00	-49.92
3356.00	H	-	-	-79.89	6.71	33.82	-61.44	-13.00	-48.44

Table 7-43. Radiated Spurious Data (NR Band n26/5 – High Channel – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS Cell – Ant2

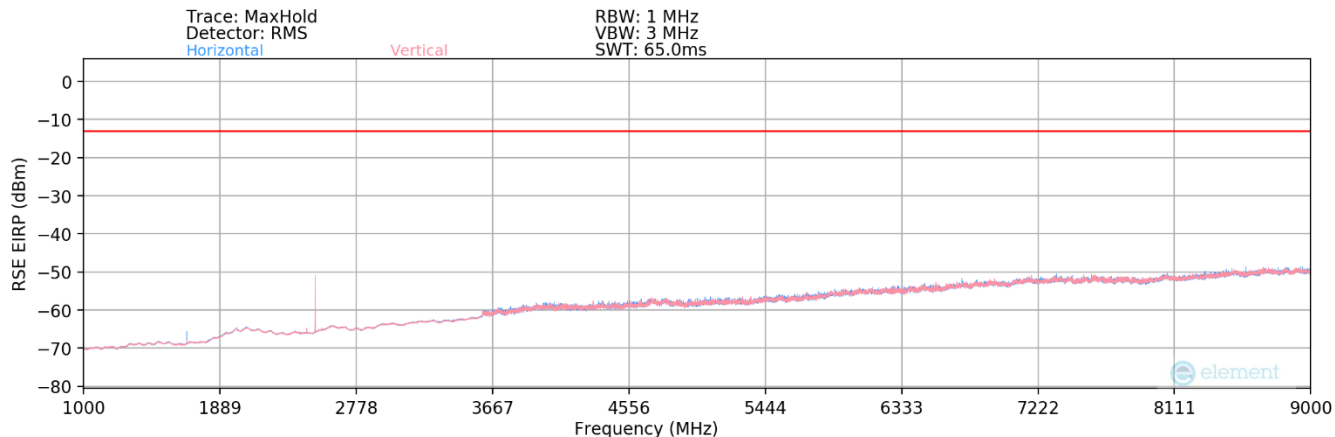


Plot 7-199. Radiated Spurious Plot (GPRS Cell – Ant2)

Mode:	GPRS 1 Tx Slot
Channel:	190
Frequency (MHz):	836.6

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]
185.00	V	-	-	-101.51	18.45	23.94	-73.47	-13.00	-60.47

Table 7-44. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant2)



Plot 7-200. Radiated Spurious Plot (GPRS Cell – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 153 of 162

Mode:	GPRS 1 Tx Slot
Channel:	128
Frequency (MHz):	824.2

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]
1648.40	H	235	199	-67.79	-7.22	31.99	-63.27	-13.00	-50.27
2472.60	V	139	185	-61.49	-4.43	41.08	-54.18	-13.00	-41.18
3296.80	H	-	-	-72.08	-1.20	33.72	-61.53	-13.00	-48.53
4121.00	H	-	-	-75.71	1.60	32.89	-62.37	-13.00	-49.37
4945.20	H	-	-	-76.57	2.54	32.97	-62.29	-13.00	-49.29

Table 7-45. Radiated Spurious Data (GPRS Cell – Low Channel – Ant2)

Mode:	GPRS 1 Tx Slot
Channel:	190
Frequency (MHz):	836.6

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]
1673.20	H	165	213	-66.73	-6.94	33.33	-61.93	-13.00	-48.93
2509.80	H	132	157	-53.71	-3.98	49.31	-45.95	-13.00	-32.95
3346.40	H	-	-	-72.78	-1.04	33.18	-62.07	-13.00	-49.07
4183.00	H	-	-	-76.20	1.55	32.35	-62.91	-13.00	-49.91
5019.60	H	-	-	-76.69	2.91	33.22	-62.03	-13.00	-49.03

Table 7-46. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant2)

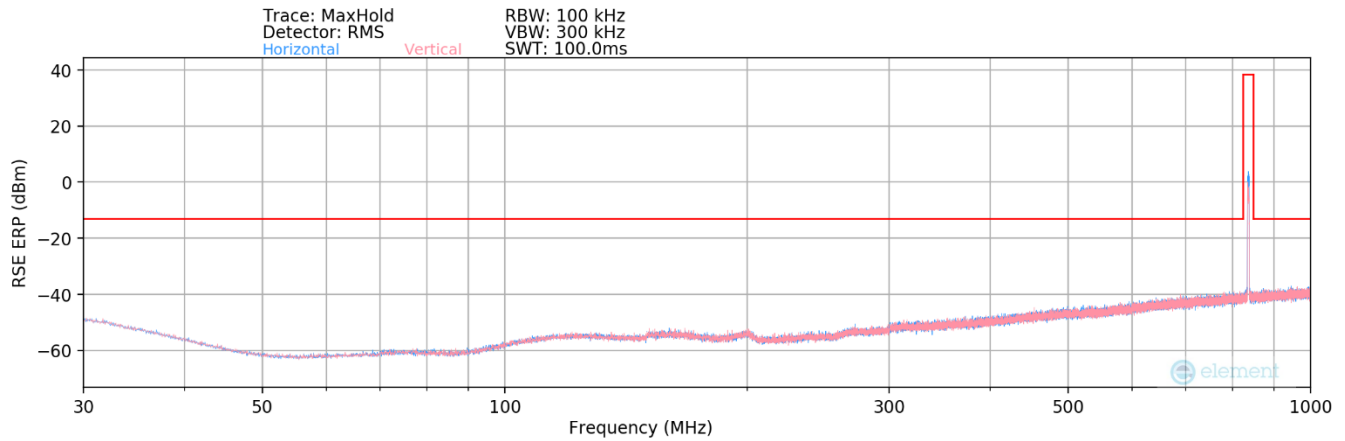
Mode:	GPRS 1 Tx Slot
Channel:	251
Frequency (MHz):	848.8

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]
1697.60	H	266	347	-68.84	-6.66	31.50	-63.76	-13.00	-50.76
2546.40	V	126	276	-62.15	-3.43	41.42	-53.84	-13.00	-40.84
3395.20	H	-	-	-71.67	-1.15	34.18	-61.08	-13.00	-48.08
4244.00	H	-	-	-76.33	1.56	32.23	-63.02	-13.00	-50.02
5092.80	H	-	-	-76.98	3.11	33.13	-62.13	-13.00	-49.13

Table 7-47. Radiated Spurious Data (GPRS Cell – High Channel – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA Cell – Ant2

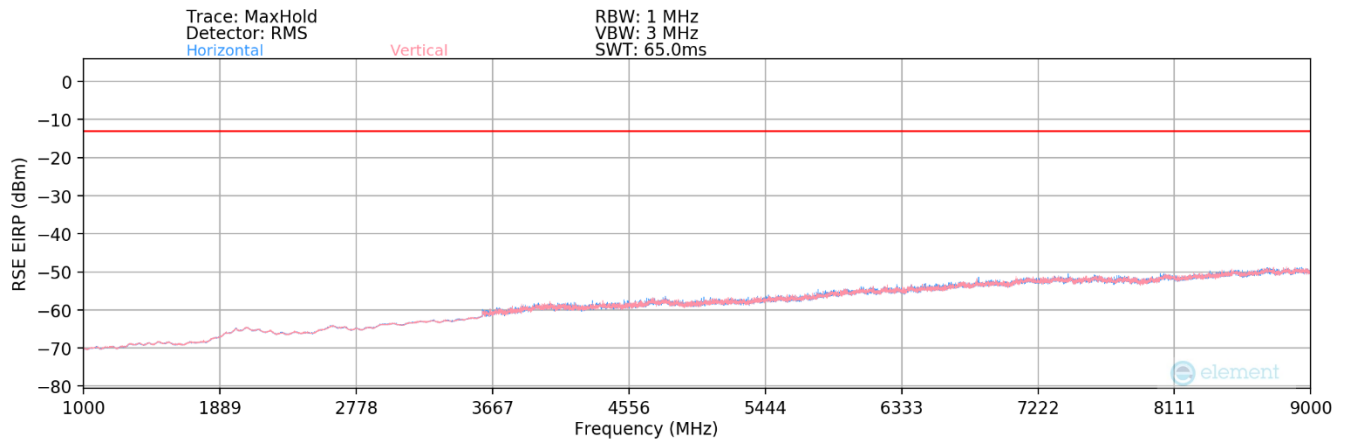


Plot 7-201. Radiated Spurious Plot (WCDMA Cell – Ant2)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6

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]
460.00	V	-	-	-108.29	27.45	26.16	-71.25	-13.00	-58.25

Table 7-48. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant2)



Plot 7-202. Radiated Spurious Plot (WCDMA Cell – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:	WCDMA RMC
Channel:	4132
Frequency (MHz):	826.4

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]
1652.80	H	-	-	-76.92	-7.17	22.91	-72.35	-13.00	-59.35
2479.20	H	-	-	-76.92	-4.40	25.68	-69.58	-13.00	-56.58
3305.60	H	-	-	-77.71	-1.27	28.02	-67.24	-13.00	-54.24

Table 7-49. Radiated Spurious Data (WCDMA Cell – Low Channel – Ant2)

Mode:	WCDMA RMC
Channel:	4183
Frequency (MHz):	836.6

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]
1673.20	H	-	-	-76.87	-6.94	23.19	-72.07	-13.00	-59.07
2509.80	H	-	-	-77.28	-3.98	25.74	-69.52	-13.00	-56.52
3346.40	H	-	-	-77.55	-1.04	28.41	-66.84	-13.00	-53.84

Table 7-50. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant2)

Mode:	WCDMA RMC
Channel:	4233
Frequency (MHz):	846.6

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]
1693.20	H	-	-	-76.96	-6.71	23.33	-71.93	-13.00	-58.93
2539.80	H	-	-	-77.17	-3.53	26.30	-68.95	-13.00	-55.95
3386.40	H	-	-	-77.48	-1.14	28.38	-66.88	-13.00	-53.88

Table 7-51. Radiated Spurious Data (WCDMA Cell – High Channel – Ant2)

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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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 22, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

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

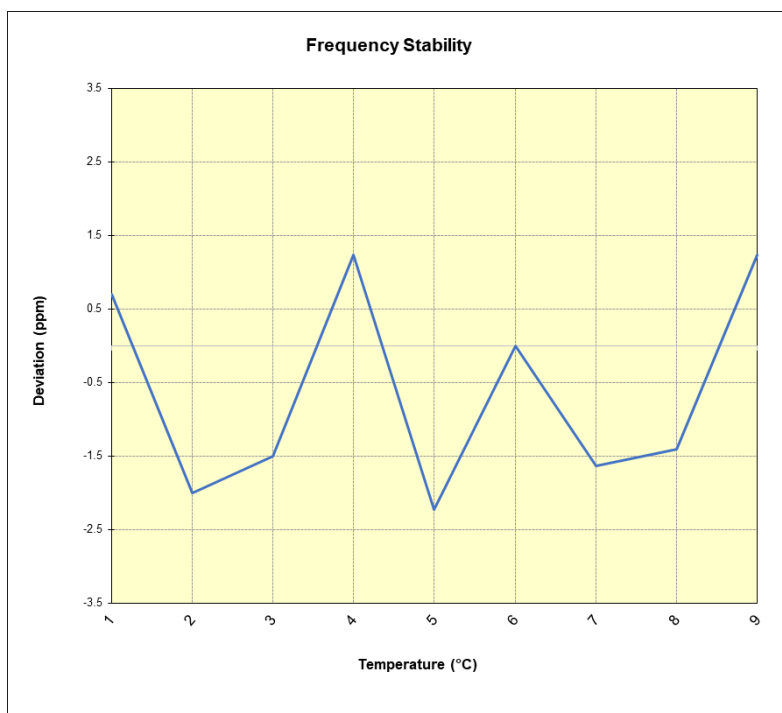
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5

Operating Frequency (Hz):	836,500,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	$\pm 0.00025\%$ or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	836,575,392	589	0.0000704
		- 20	836,573,126	-1,677	-0.0002005
		- 10	836,573,543	-1,260	-0.0001506
		0	836,575,832	1,029	0.0001230
		+ 10	836,572,939	-1,864	-0.0002228
		+ 20 (Ref)	836,574,803	0	0.0000000
		+ 30	836,573,437	-1,366	-0.0001633
		+ 40	836,573,625	-1,178	-0.0001408
		+ 50	836,575,836	1,033	0.0001235
Battery Endpoint	3.690	+ 20	836,574,103	-700	-0.0000837

Table 7-52. LTE Band 26/5 Frequency Stability Data



Plot 7-203. LTE Band 26/5 Frequency Stability Chart

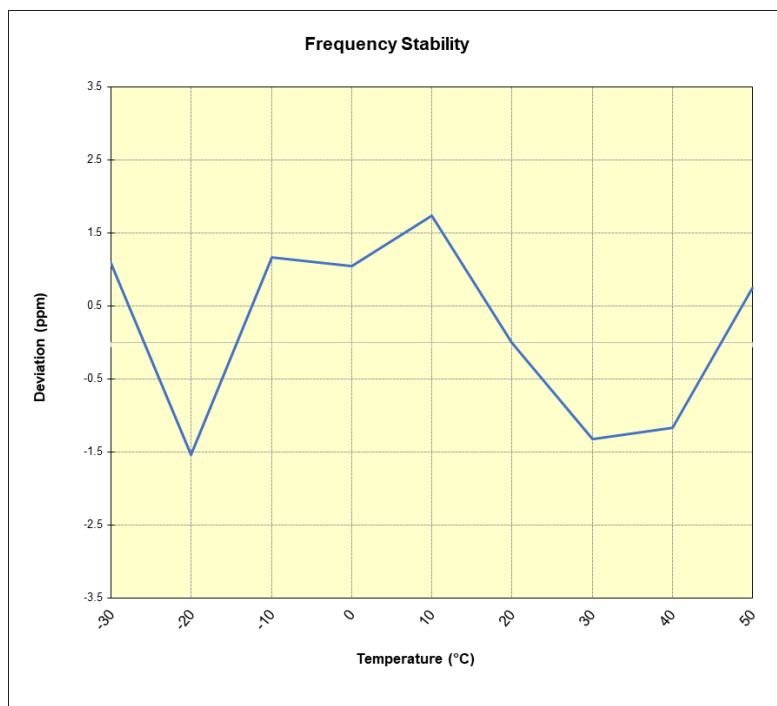
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 158 of 162

NR Band n26/5

Operating Frequency (Hz):	836,500,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	836,577,413	901	0.0001077
		- 20	836,575,226	-1,286	-0.0001537
		- 10	836,577,490	978	0.0001169
		0	836,577,386	874	0.0001045
		+ 10	836,577,968	1,456	0.0001740
		+ 20 (Ref)	836,576,512	0	0.0000000
		+ 30	836,575,401	-1,111	-0.0001328
		+ 40	836,575,530	-982	-0.0001174
		+ 50	836,577,141	629	0.0000752
Battery Endpoint	3.690	+ 20	836,577,427	915	0.0001094

Table 7-53. NR Band n26/5 Frequency Stability Data



Plot 7-204. NR Band n26/5 Frequency Stability Chart

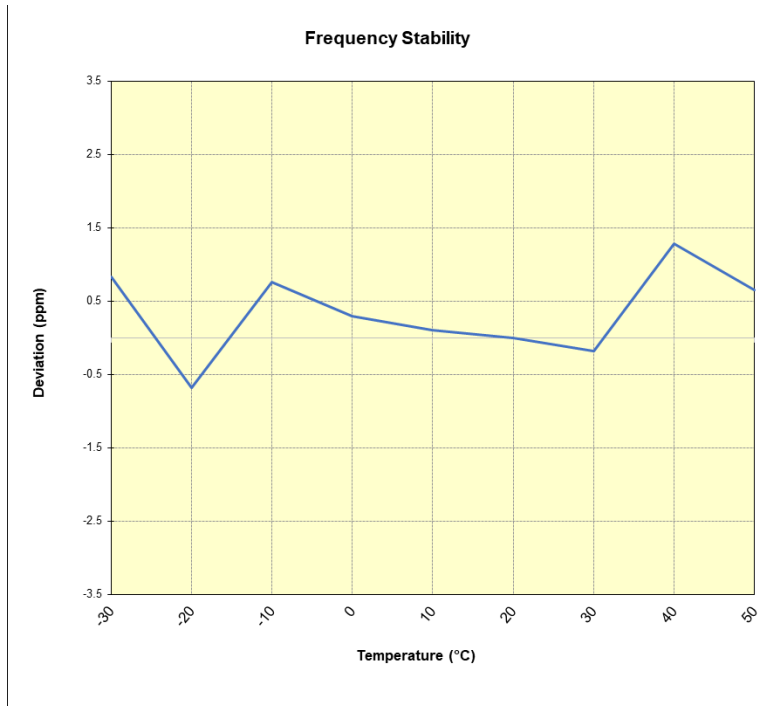
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS Cellular

Operating Frequency (Hz):	836,600,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	$\pm 0.00025\%$ or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	836,603,512	695	0.0000831
		- 20	836,602,243	-574	-0.0000686
		- 10	836,603,448	631	0.0000754
		0	836,603,064	247	0.0000295
		+ 10	836,602,903	86	0.0000103
		+ 20 (Ref)	836,602,817	0	0.0000000
		+ 30	836,602,663	-154	-0.0000184
		+ 40	836,603,890	1,073	0.0001283
		+ 50	836,603,367	550	0.0000657
Battery Endpoint	3.690	+ 20	836,603,314	497	0.0000594

Table 7-54. GSM/GPRS Cell Frequency Stability Data



Plot 7-205. GSM/GPRS Cell Frequency Stability Chart

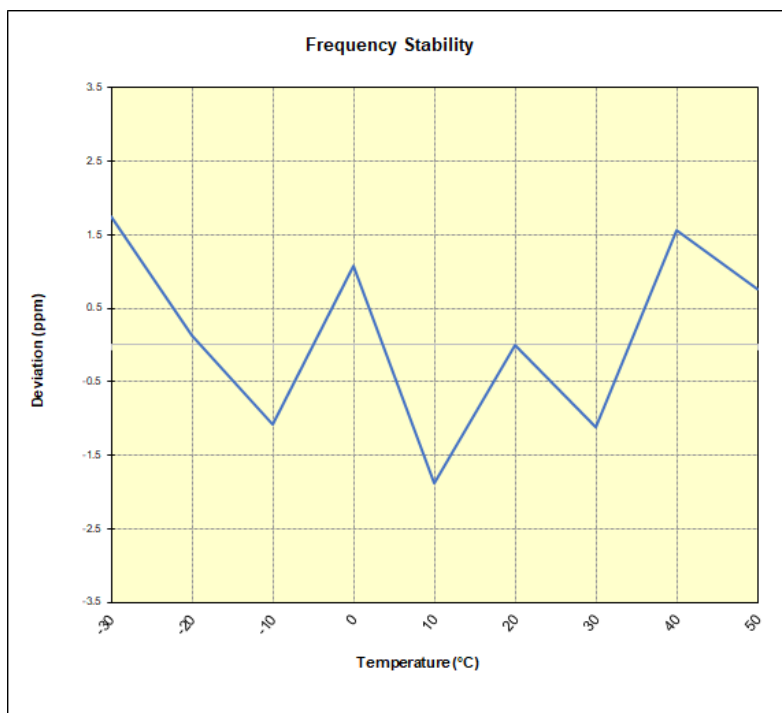
FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 160 of 162

WCDMA Cellular

Operating Frequency (Hz):	836,600,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	$\pm 0.00025\%$ or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	836,606,582	1,469	0.0001756
		- 20	836,605,217	104	0.0000124
		- 10	836,604,210	-903	-0.0001079
		0	836,606,020	907	0.0001084
		+ 10	836,603,544	-1,569	-0.0001875
		+ 20 (Ref)	836,605,113	0	0.0000000
		+ 30	836,604,185	-928	-0.0001109
		+ 40	836,606,418	1,305	0.0001560
		+ 50	836,605,753	640	0.0000765
Battery Endpoint	3.690	+ 20	836,604,427	-686	-0.0000820

Table 7-55. WCDMA Cell Frequency Stability Data



Plot 7-206. WCDMA Cell Frequency Stability Chart

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 161 of 162

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS947B** complies with all the requirements of Part 22 of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMS947B	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-05-R1.A3L	Test Dates: 11/12/2025 - 12/12/2025	EUT Type: Portable Handset	Page 162 of 162