

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 12/17	10 MHz	Low	30.0 - 697.9	-46.26	-13	-33.26
		Low	716.0 - 1000.0	-47.68	-13	-34.68
		Low	1000.0 - 10000.0	-39.36	-13	-26.36
		Mid	30.0 - 698.0	-47.30	-13	-34.30
		Mid	716.0 - 1000.0	-48.45	-13	-35.45
		Mid	1000.0 - 10000.0	-39.45	-13	-26.45
		High	30.0 - 697.9	-57.70	-13	-44.70
		High	716.1 - 1000.0	-48.32	-13	-35.32
		High	1000.0 - 10000.0	-39.64	-13	-26.64
LTE Band 13	10 MHz	Mid	30.0 - 777.0	-64.84	-35	-29.84
		Mid	787.0 - 1000.0	-46.72	-13	-33.72
		Mid	1000.0 - 20000.0	-39.55	-13	-26.55
LTE-B66-4	20 MHz	Low	30.0 - 663.0	-39.59	-13	-26.59
		Low	698.0 - 1000.0	-48.26	-13	-35.26
		Low	1000.0 - 10000.0	-64.07	-13	-51.07
		Mid	30.0 - 663.0	-52.51	-13	-39.51
		Mid	698.0 - 1000.0	-48.44	-13	-35.44
		Mid	1000.0 - 10000.0	-63.80	-13	-50.80
		High	30.0 - 663.0	-52.52	-13	-39.52
		High	698.0 - 1000.0	-38.32	-13	-25.32
		High	1000.0 - 10000.0	-64.01	-13	-51.01

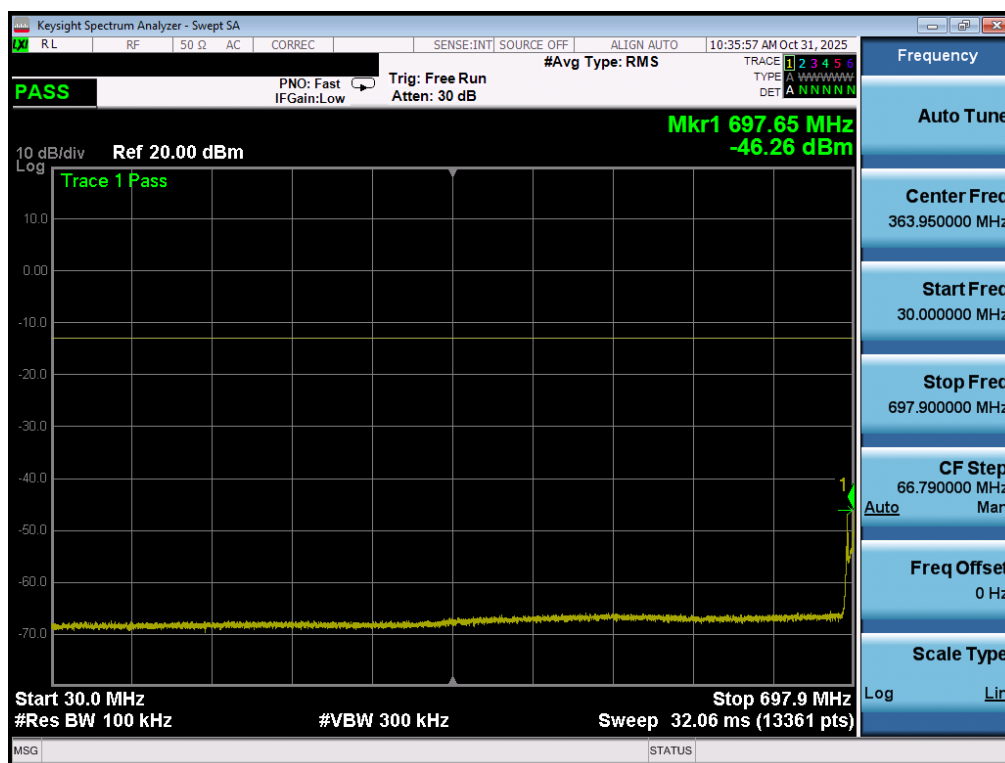
Table 7-12. Conducted Spurious Emissions Results – Ant2

Mode	Bandwidth	Channel	Range [MHz]	Level [dBm]	Limit [dBm]	Margin [dB]
NR Band n66	40 MHz	Low	30.0 - 1710.0	-40.85	-13	-27.85
		Low	1780.0 - 10000.0	-45.12	-13	-32.12
		Low	10000.0 - 20000.0	-62.23	-13	-49.23
		Mid	30.0 - 1710.0	-42.82	-13	-29.82
		Mid	1780.0 - 10000.0	-41.90	-13	-28.90
		Mid	10000.0 - 20000.0	-62.49	-13	-49.49
		High	30.0 - 1710.0	-46.63	-13	-33.63
		High	1780.0 - 10000.0	-39.42	-13	-26.42
		High	10000.0 - 20000.0	-63.28	-13	-50.28

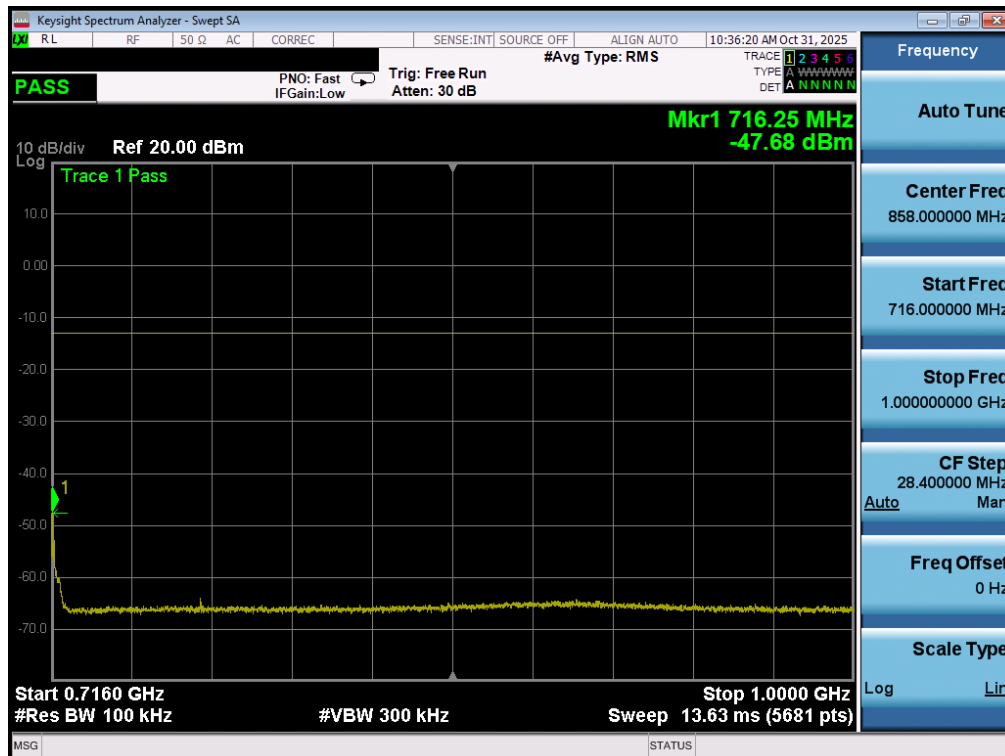
Table 7-13. Conducted Spurious Emissions Results – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17 – ANT2

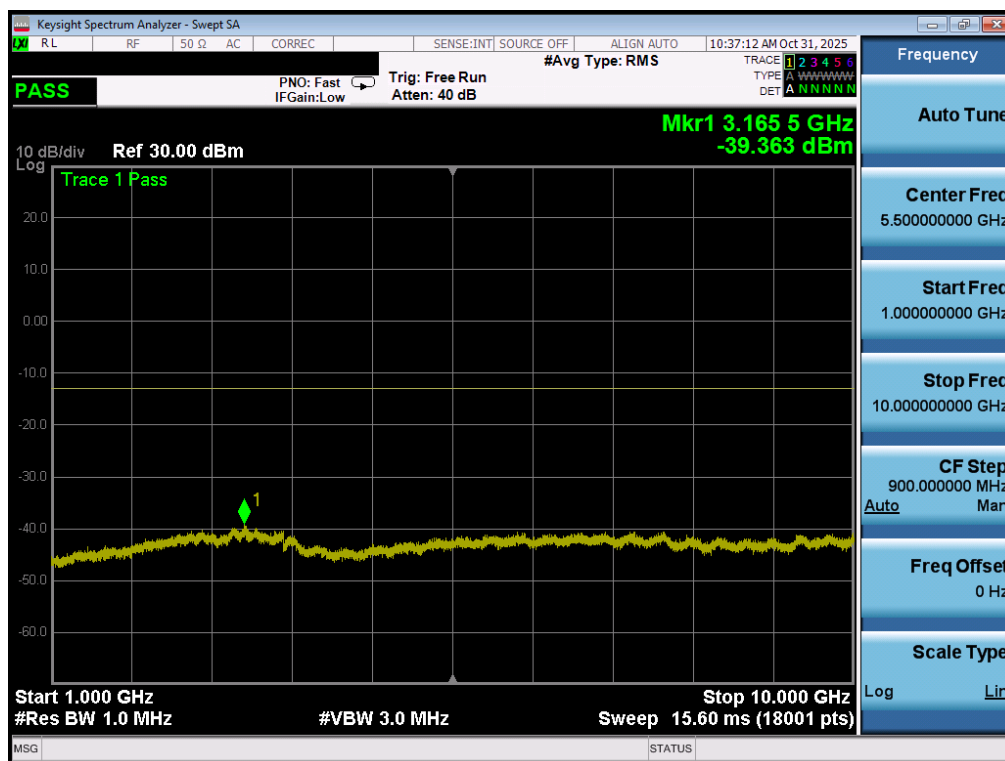


Plot 7-107. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - 1 RB - Low Channel - ANT2)



Plot 7-108. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - 1 RB - Low Channel - ANT2)

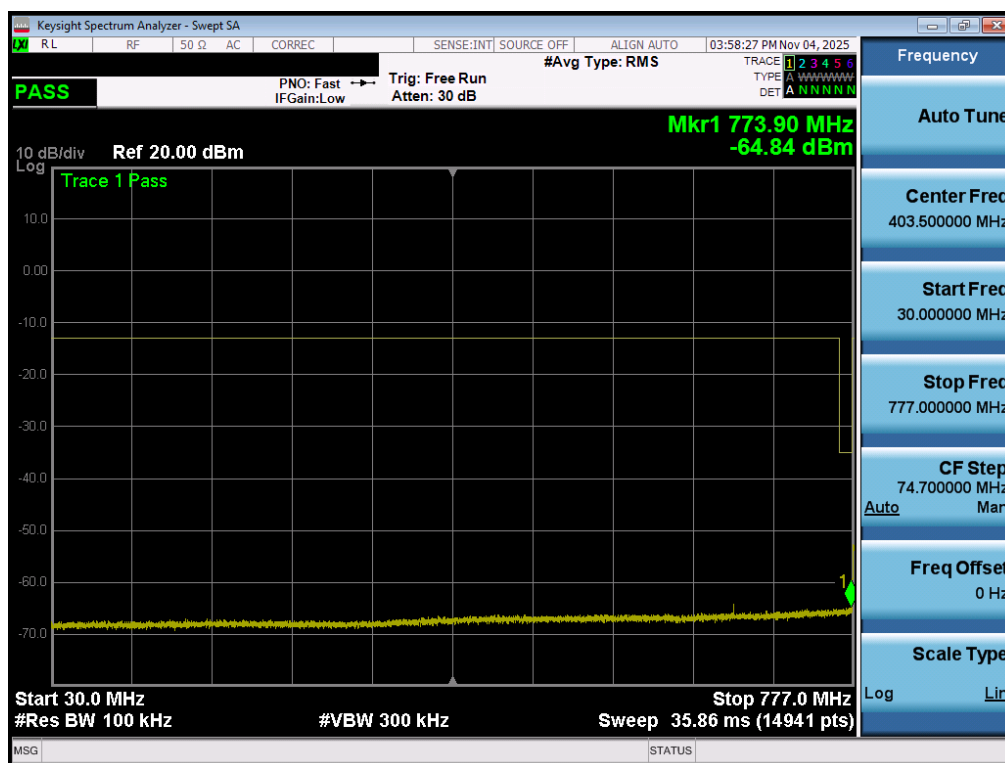
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 88 of 182



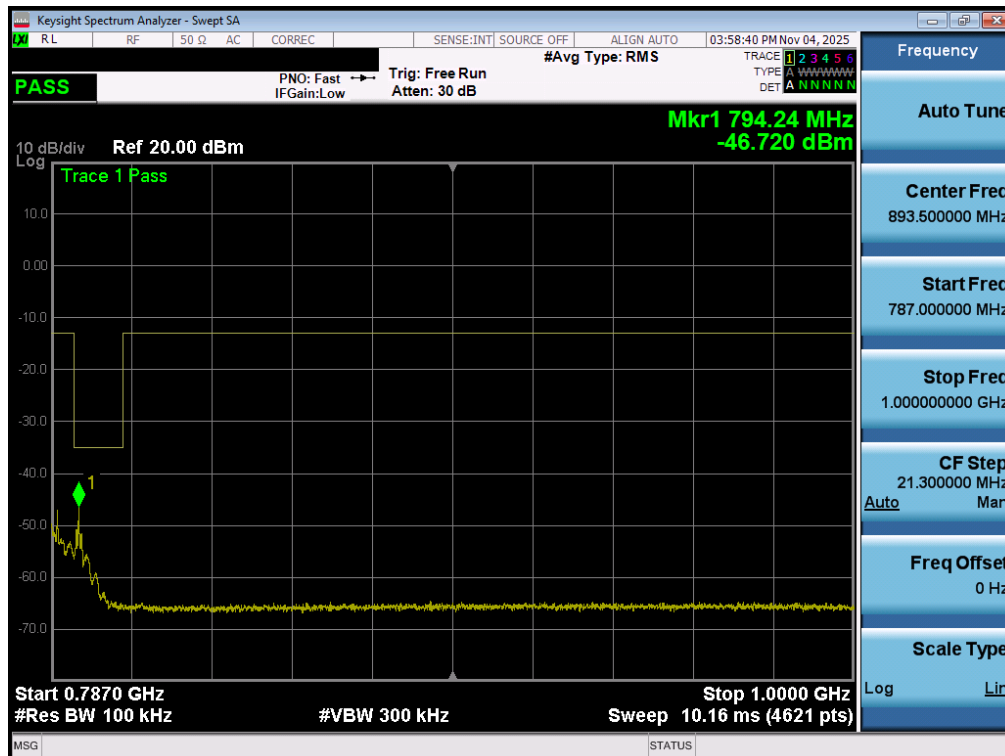
Plot 7-109. Conducted Spurious Plot (LTE Band 12/17 - 10MHz QPSK - 1 RB - Low Channel - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – ANT2

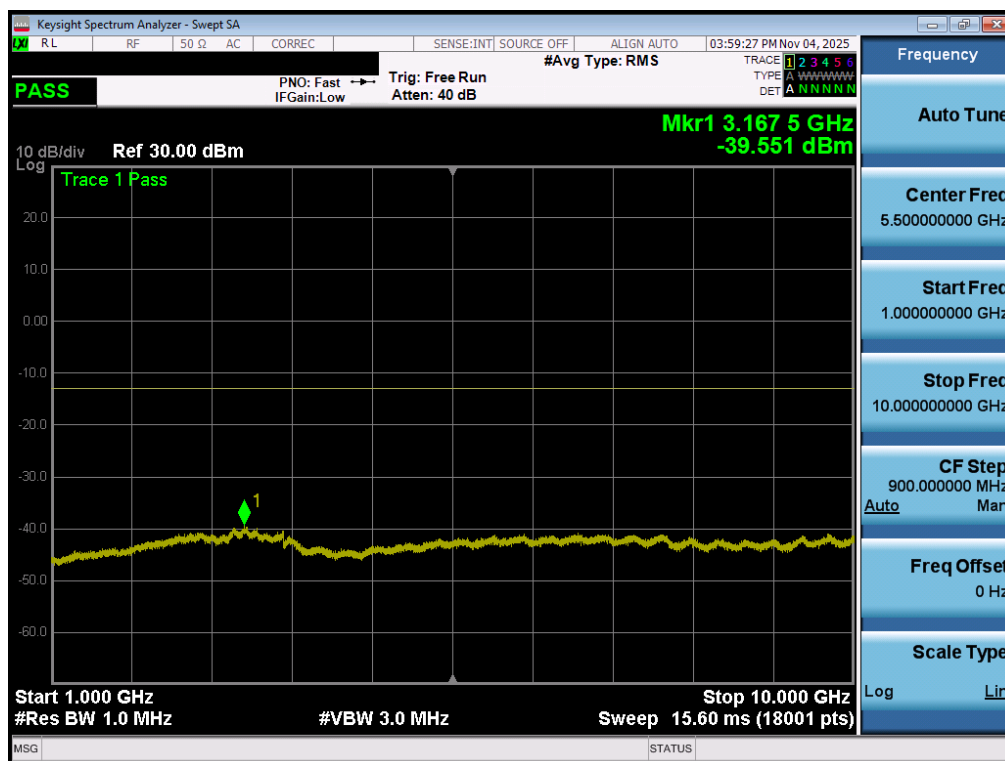


Plot 7-110. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - 1 RB)



Plot 7-111. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - 1 RB)

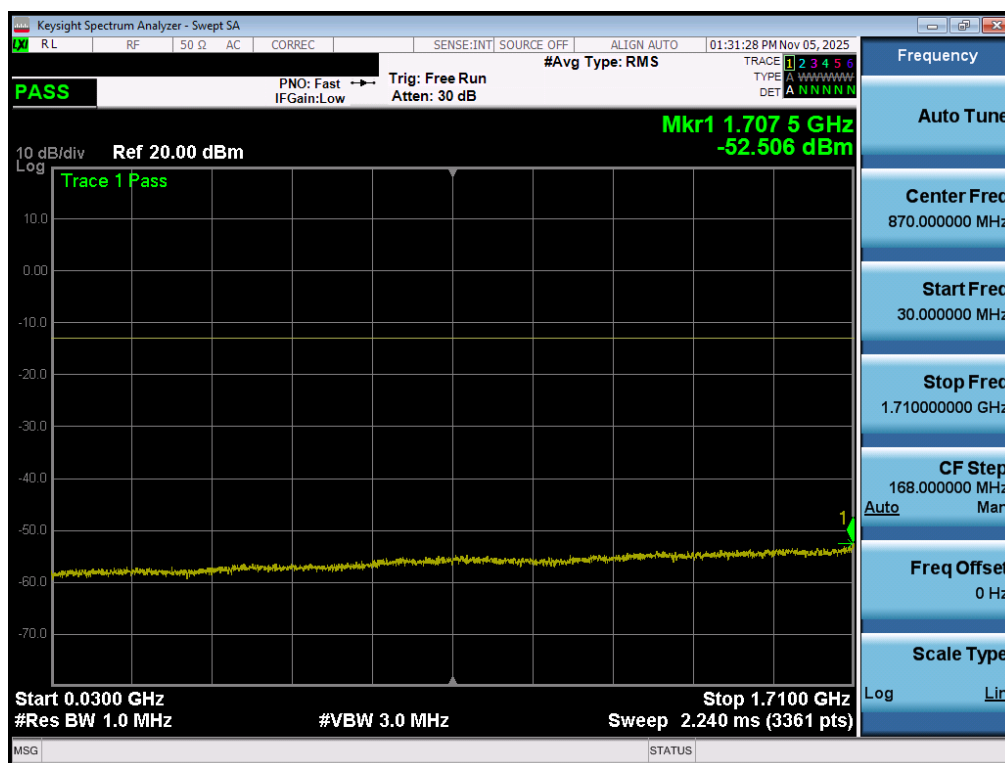
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 90 of 182



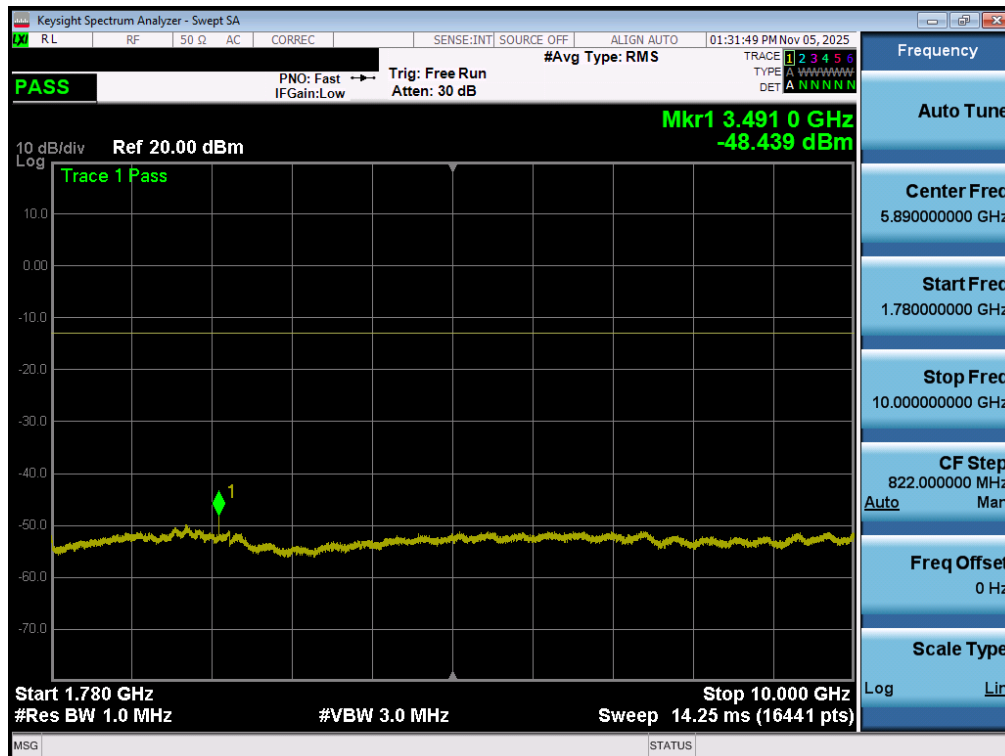
Plot 7-112. Conducted Spurious Plot (LTE Band 13 - 10MHz QPSK - 1 RB)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – ANT2

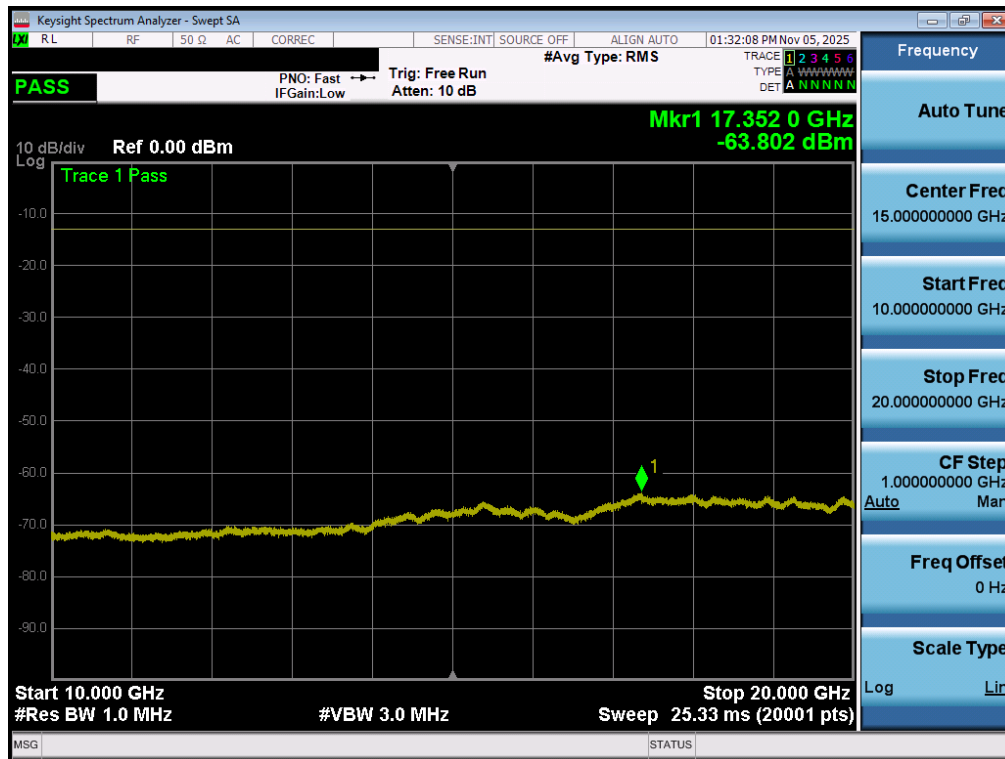


Plot 7-113. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB – Mid Channel)



Plot 7-114. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB – Mid Channel)

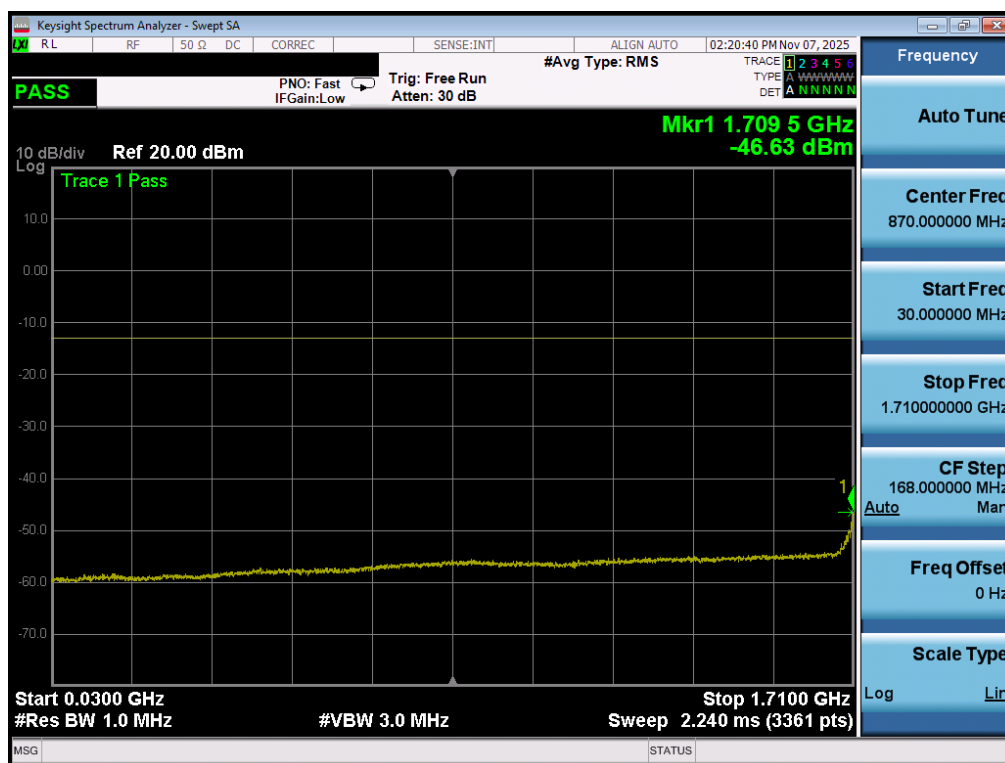
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 92 of 182



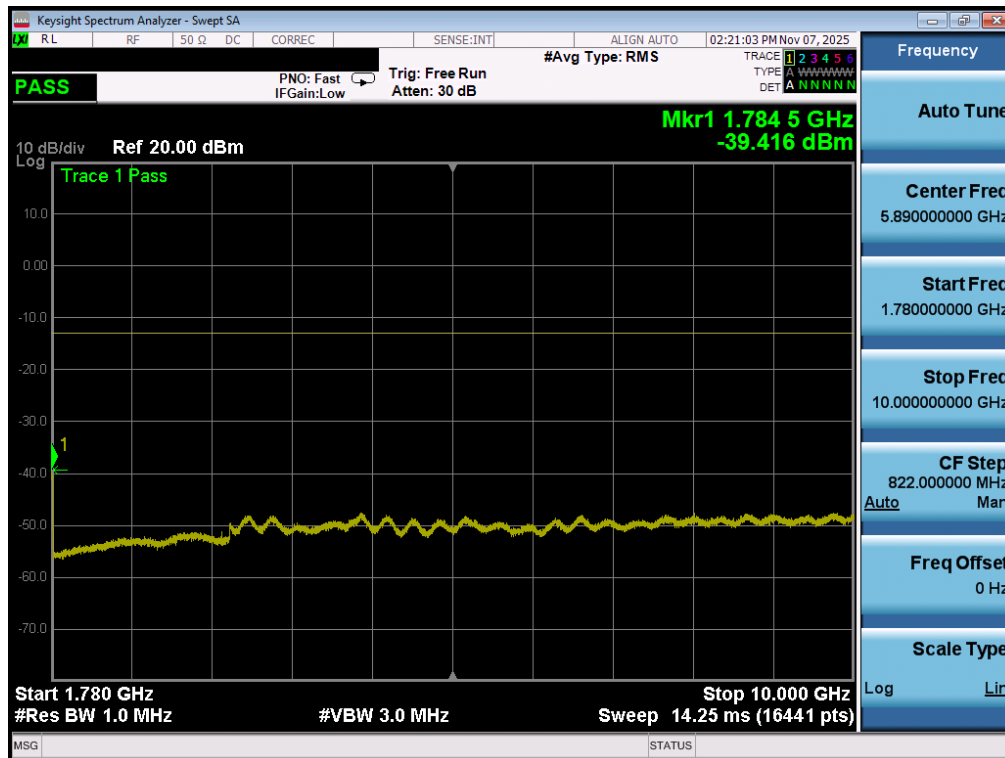
Plot 7-115. Conducted Spurious Plot (LTE Band 66/4 - 20MHz QPSK - 1 RB – High Channel)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 93 of 182

NR Band n66 – ANT2

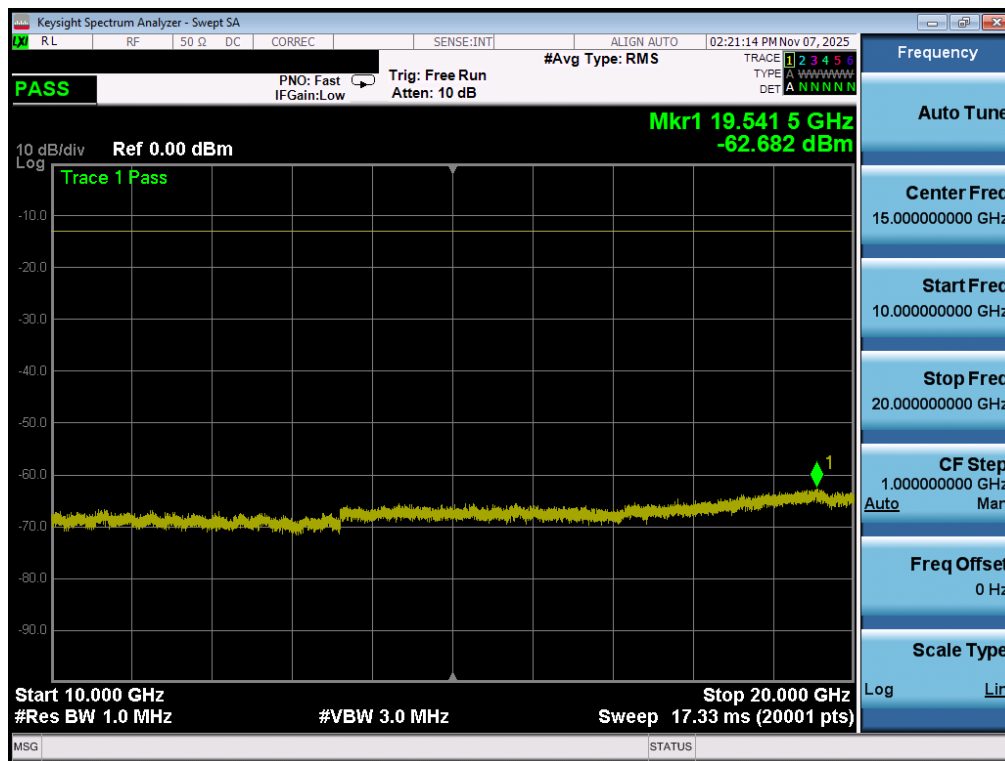


Plot 7-116. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - ANT2)



Plot 7-117. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 94 of 182



Plot 7-118. Conducted Spurious Plot (NR Band n66 - 40.0MHz - 1 RB - High Channel - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 95 of 182

7.5 Band Edge Emissions at Antenna Terminal

Test Overview

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

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.

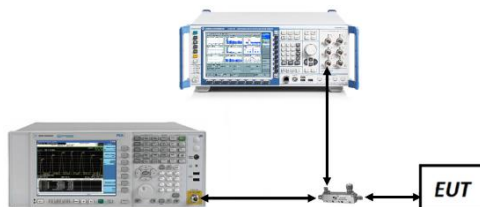


Figure 7-4. Test Instrument & Measurement Setup

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

1. Per 27.53(h) and RSS-139(5.6) for AWS band operation, 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. Per 27.53(g) and RSS-130(4.7.1) for operations in the 663 - 698 MHz and 698 – 746MHz bands, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.
3. Per 27.53(c)(5) and RSS-130(4.7.2) for operations in the 776-788 MHz band, in the 100 kHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least 30 kHz may be employed to demonstrate compliance with the out-of-band emissions limit.
4. For all plots showing emissions in the 763 – 775MHz and 793 – 805MHz band, the FCC and ISSED limit per 27.53(c)(4) and RSS-130(4.7.2) is $65 + 10 \log_{10}(P) = -35\text{dBm}$ in a 6.25kHz bandwidth.

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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
WCDMA1700	N/A	Low	Band Edge	-22.32	-13	-9.32
		Low	Extended	-15.39	-13	-2.39
		High	Band Edge	-27.48	-13	-14.48
		High	Extended	-19.27	-13	-6.27
LTE Band 12/17	10 MHz	Low	Band Edge	-26.21	-13	-13.21
		High	Band Edge	-26.69	-13	-13.69
	5 MHz	Low	Band Edge	-19.84	-13	-6.84
		High	Band Edge	-21.71	-13	-8.71
	3 MHz	Low	Band Edge	-15.90	-13	-2.90
		High	Band Edge	-16.92	-13	-3.92
	1.4 MHz	Low	Band Edge	-24.40	-13	-11.40
		High	Band Edge	-23.19	-13	-10.19
LTE Band 13	10 MHz	Low	Band Edge	-22.87	-13	-9.87
		Low	Emission Mask	-60.37	-13	-47.37
		High	Band Edge	-21.14	-13	-8.14
		High	Emission Mask	-40.36	-13	-27.36
	5 MHz	Low	Band Edge	-17.29	-13	-4.29
		Low	Emission Mask	-57.22	-13	-44.22
		High	Band Edge	-17.18	-13	-4.18
		High	Emission Mask	-52.19	-13	-39.19

Table 7-14. Conducted Band Edge Results – Ant1

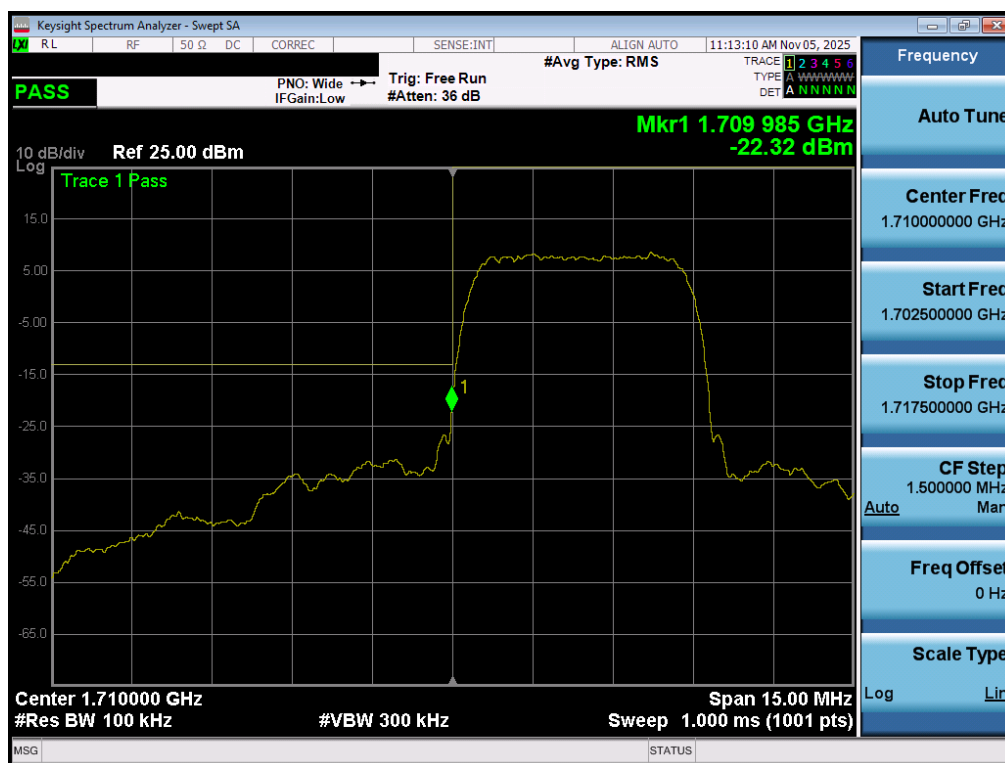
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 98 of 182

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 66/4	20MHz	Low	Band Edge	-28.82	-13	-15.82
		Low	Extended	-25.94	-13	-12.94
		High (B4)	Band Edge	-38.58	-13	-25.58
		High (B4)	Extended	-28.08	-13	-15.08
		High (B66)	Band Edge	-29.11	-13	-16.11
		High (B66)	Extended	-25.06	-13	-12.06
	15MHz	Low	Band Edge	-25.91	-13	-12.91
		Low	Extended	-24.61	-13	-11.61
		High (B4)	Band Edge	-25.07	-13	-12.07
		High (B4)	Extended	-25.11	-13	-12.11
		High (B66)	Band Edge	-27.29	-13	-14.29
		High (B66)	Extended	-26.28	-13	-13.28
	10MHz	Low	Band Edge	-25.79	-13	-12.79
		Low	Extended	-22.42	-13	-9.42
		High (B4)	Band Edge	-23.67	-13	-10.67
		High (B4)	Extended	-22.83	-13	-9.83
		High (B66)	Band Edge	-23.55	-13	-10.55
		High (B66)	Extended	-22.27	-13	-9.27
	5MHz	Low	Band Edge	-21.66	-13	-8.66
		Low	Extended	-27.17	-13	-14.17
		High (B4)	Band Edge	-18.44	-13	-5.44
		High (B4)	Extended	-33.89	-13	-20.89
		High (B66)	Band Edge	-22.18	-13	-9.18
		High (B66)	Extended	-25.95	-13	-12.95
	3MHz	Low	Band Edge	-21.70	-13	-8.70
		Low	Extended	-23.25	-13	-10.25
		High (B4)	Band Edge	-19.71	-13	-6.71
		High (B4)	Extended	-27.89	-13	-14.89
		High (B66)	Band Edge	-19.69	-13	-6.69
		High (B66)	Extended	-27.79	-13	-14.79
	1.4MHz	Low	Band Edge	-24.24	-13	-11.24
		Low	Extended	-29.01	-13	-16.01
		High (B4)	Band Edge	-24.46	-13	-11.46
		High (B4)	Extended	-29.52	-13	-16.52
		High (B66)	Band Edge	-25.14	-13	-12.14
		High (B66)	Extended	-30.07	-13	-17.07

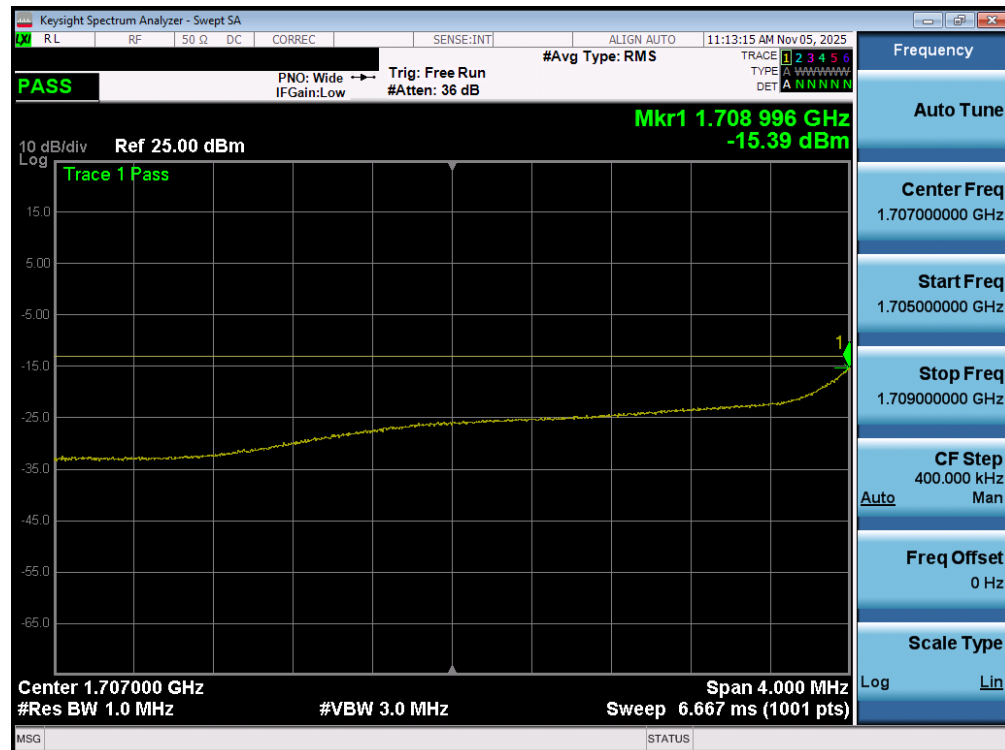
Table 7-15. Conducted Band Edge Results – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA AWS – ANT1



Plot 7-119. Lower Band Edge Plot (WCDMA AWS – Ch. 1312 – ANT1)



Plot 7-120. Lower Extended Band Edge Plot (WCDMA AWS – Ch. 1312 – ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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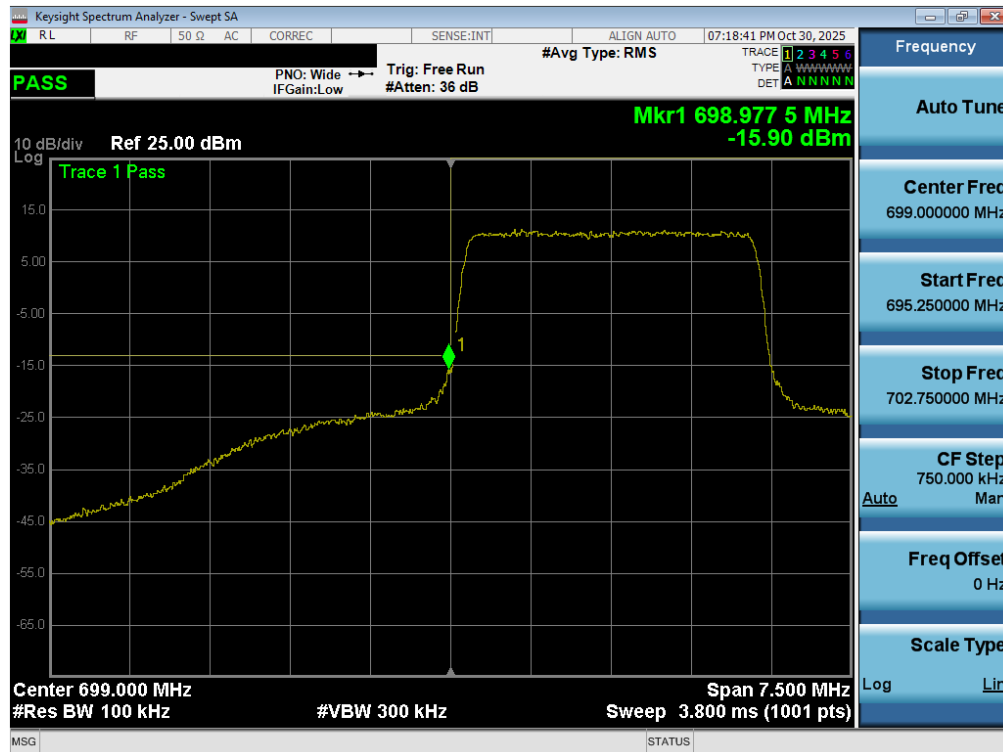
Plot 7-121. Upper Band Edge Plot (WCDMA AWS – Ch. 1513 – ANT1)



Plot 7-122. Upper Extended Band Edge Plot (WCDMA AWS – Ch. 1513– ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17 – ANT1



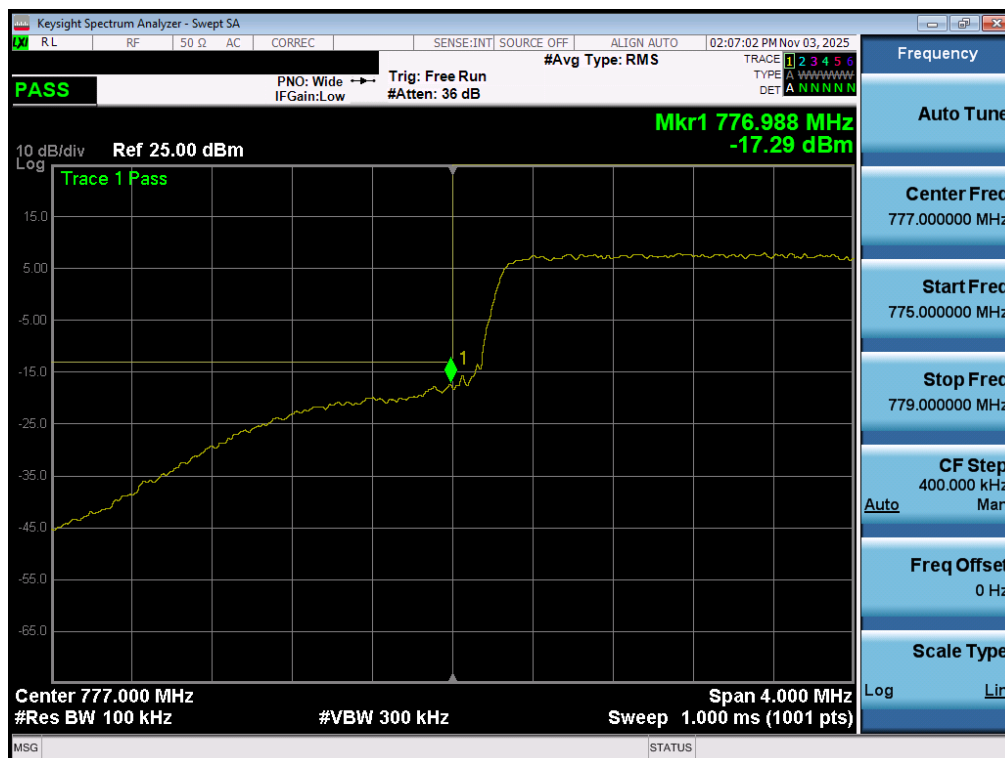
Plot 7-123. Lower Band Edge Plot (LTE Band 12/17 – 3MHz QPSK – Full RB - ANT1)



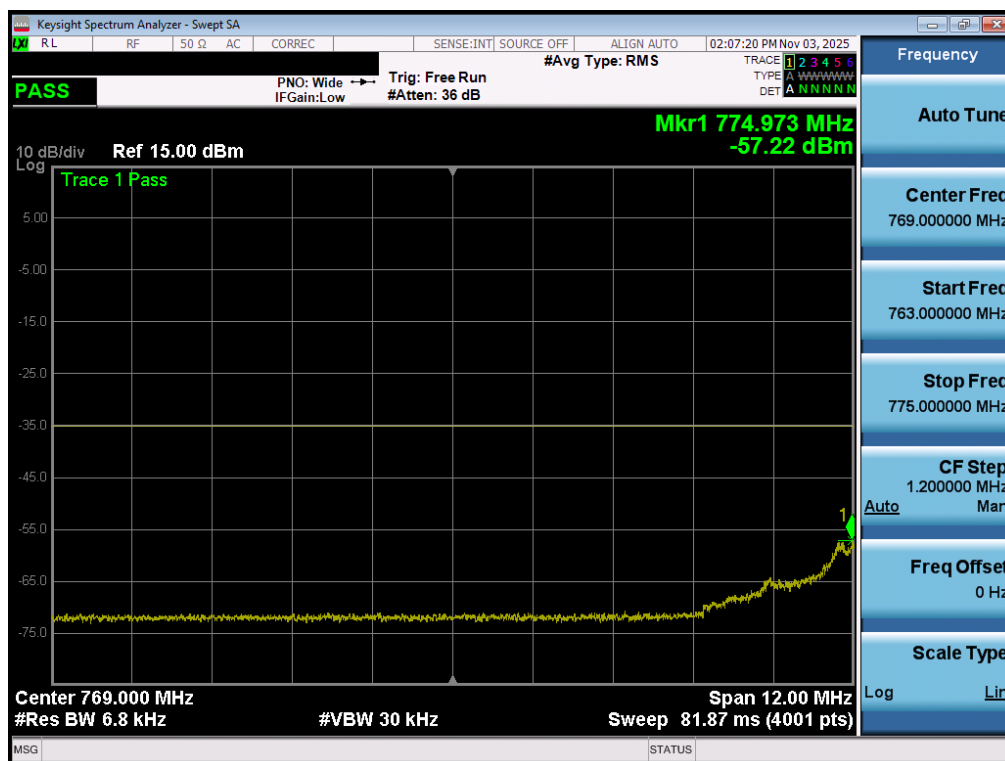
Plot 7-124. Upper Band Edge Plot (LTE Band 12/17 – 3MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – ANT1



Plot 7-125. Lower Band Edge Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT1)



Plot 7-126. Lower Emission Mask Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 103 of 182



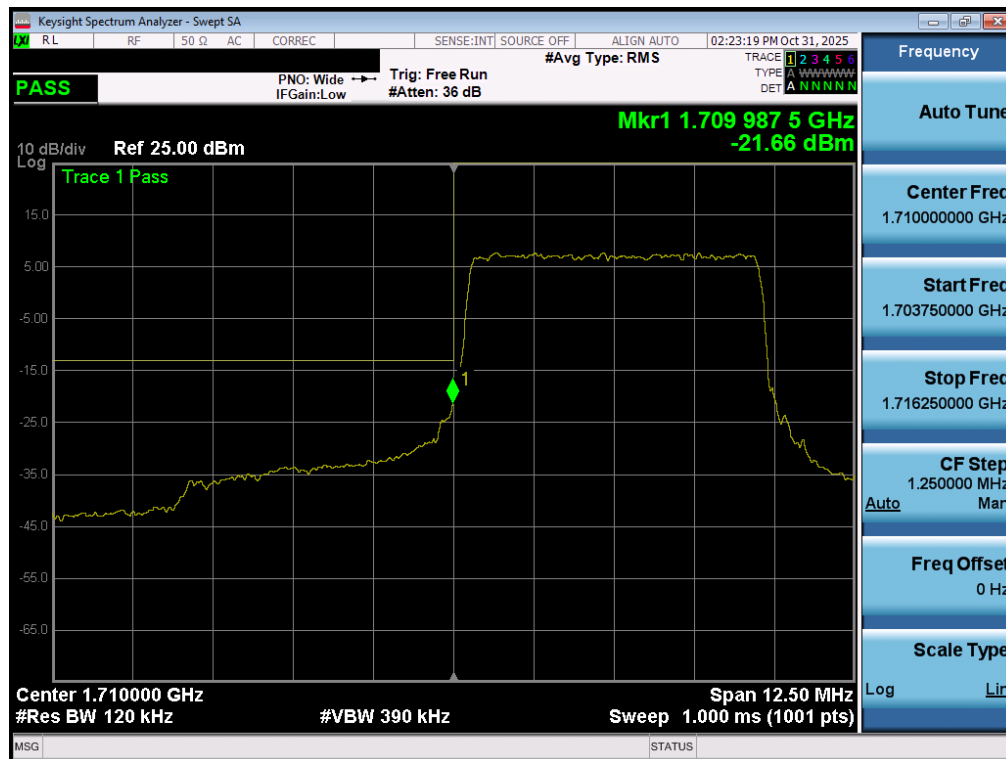
Plot 7-127. Upper Band Edge Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT1)



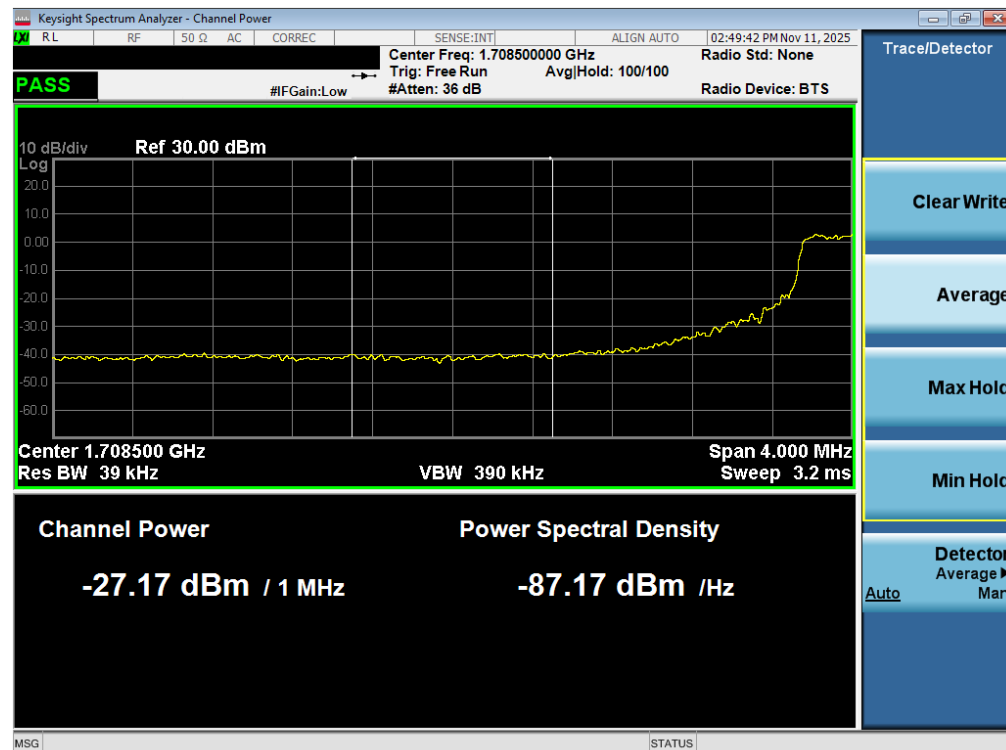
Plot 7-128. Upper Emission Mask Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – ANT1



Plot 7-129. Lower Band Edge Plot (LTE Band 66/4 – 5MHz QPSK – Full RB - ANT1)

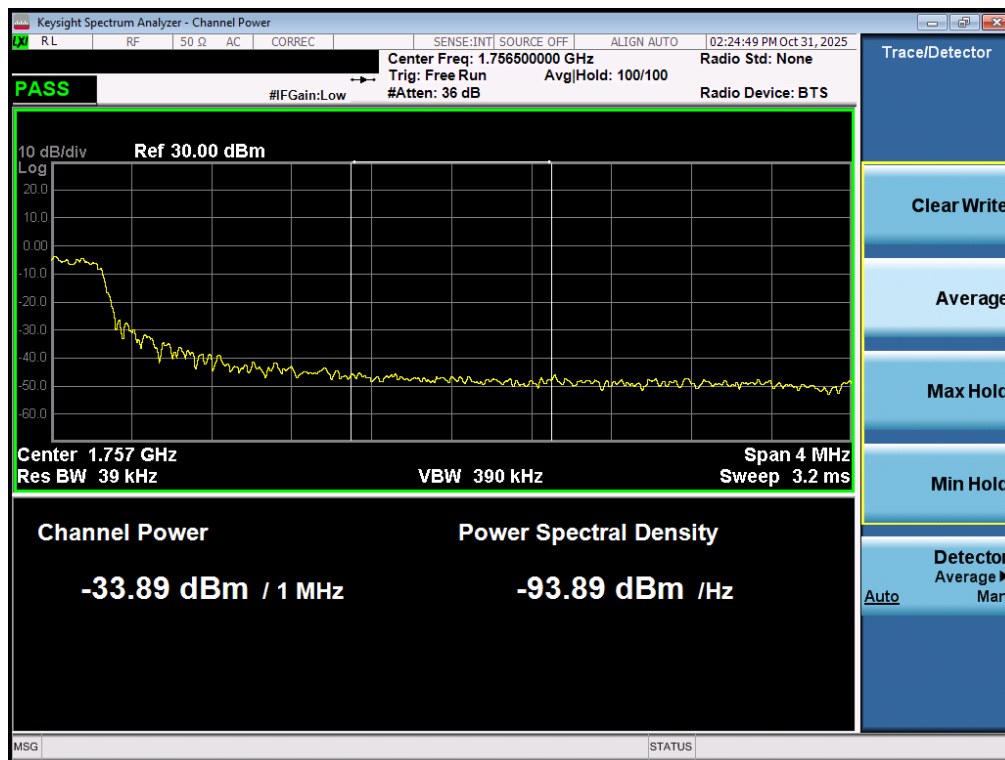


Plot 7-130. Lower Extended Band Edge Plot (LTE Band 66/4 – 5MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 105 of 182



Plot 7-131. Upper Band Edge Plot (LTE Band 4 – 5MHz QPSK – Full RB - ANT1)

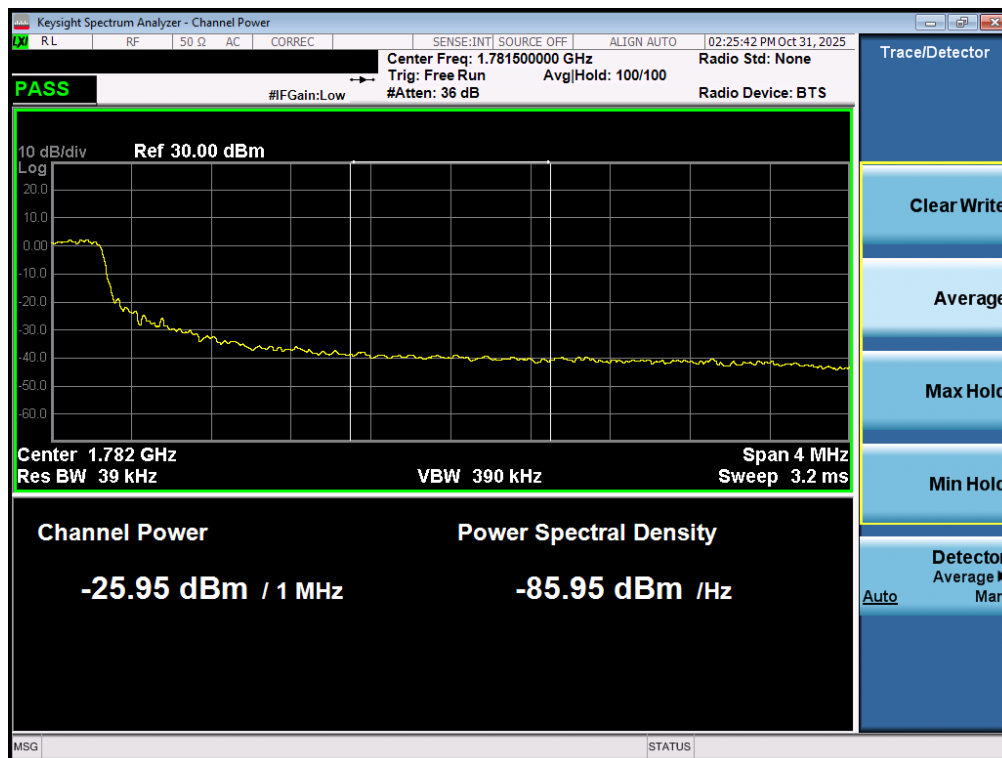


Plot 7-132. Upper Extended Band Edge Plot (LTE Band 4 – 5MHz QPSK – Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 106 of 182



Plot 7-133. Upper Band Edge Plot (LTE Band 66 – 5MHz QPSK – Full RB - ANT1)



Plot 7-134. Upper Extended Band Edge Plot (LTE Band 66 – 5MHz QPSK – Full RB - ANT1)

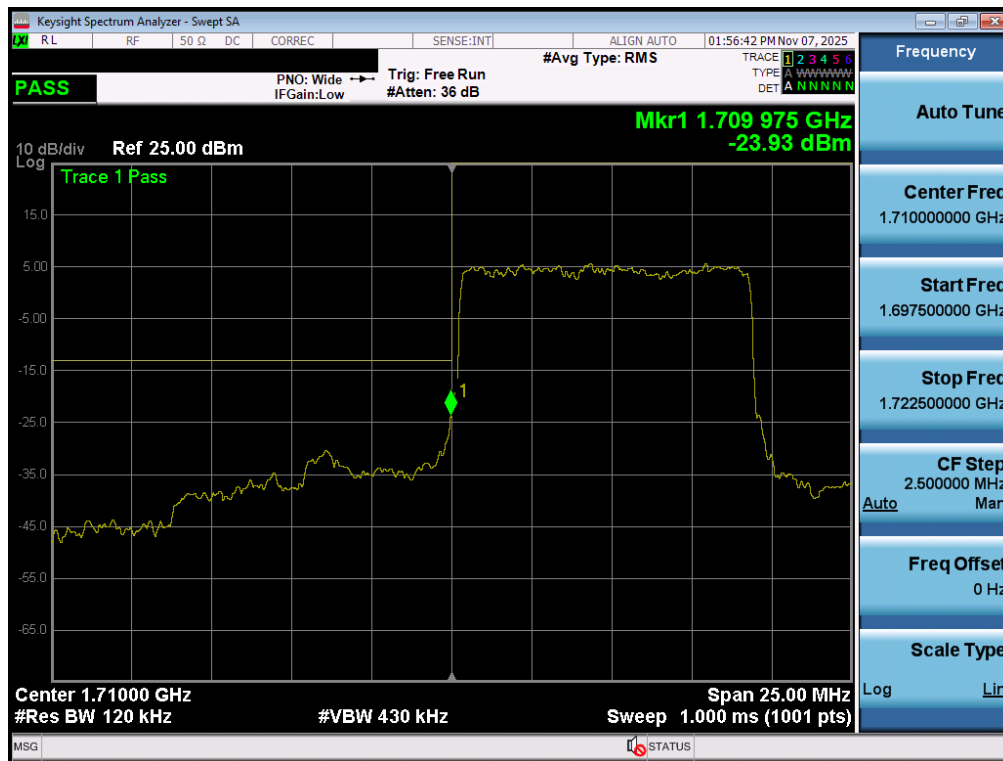
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 107 of 182

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR Band n66	40 MHz	Low	Band Edge	-26.26	-13	-13.26
		Low	Extended	-25.28	-13	-12.28
		High	Band Edge	-22.81	-13	-9.81
		High	Extended	-26.15	-13	-13.15
	30 MHz	Low	Band Edge	-24.67	-13	-11.67
		Low	Extended	-25.21	-13	-12.21
		High	Band Edge	-26.42	-13	-13.42
		High	Extended	-24.57	-13	-11.57
	25 MHz	Low	Band Edge	-29.05	-13	-16.05
		Low	Extended	-25.56	-13	-12.56
		High	Band Edge	-26.56	-13	-13.56
		High	Extended	-18.62	-13	-5.62
	20 MHz	Low	Band Edge	-25.01	-13	-12.01
		Low	Extended	-22.74	-13	-9.74
		High	Band Edge	-28.07	-13	-15.07
		High	Extended	-23.53	-13	-10.53
	15 MHz	Low	Band Edge	-27.10	-13	-14.10
		Low	Extended	-21.17	-13	-8.17
		High	Band Edge	-24.12	-13	-11.12
		High	Extended	-22.06	-13	-9.06
	10 MHz	Low	Band Edge	-23.93	-13	-10.93
		Low	Extended	-17.73	-13	-4.73
		High	Band Edge	-25.02	-13	-12.02
		High	Extended	-18.60	-13	-5.60
	5 MHz	Low	Band Edge	-22.39	-13	-9.39
		Low	Extended	-21.98	-13	-8.98
		High	Band Edge	-22.33	-13	-9.33
		High	Extended	-20.95	-13	-7.95

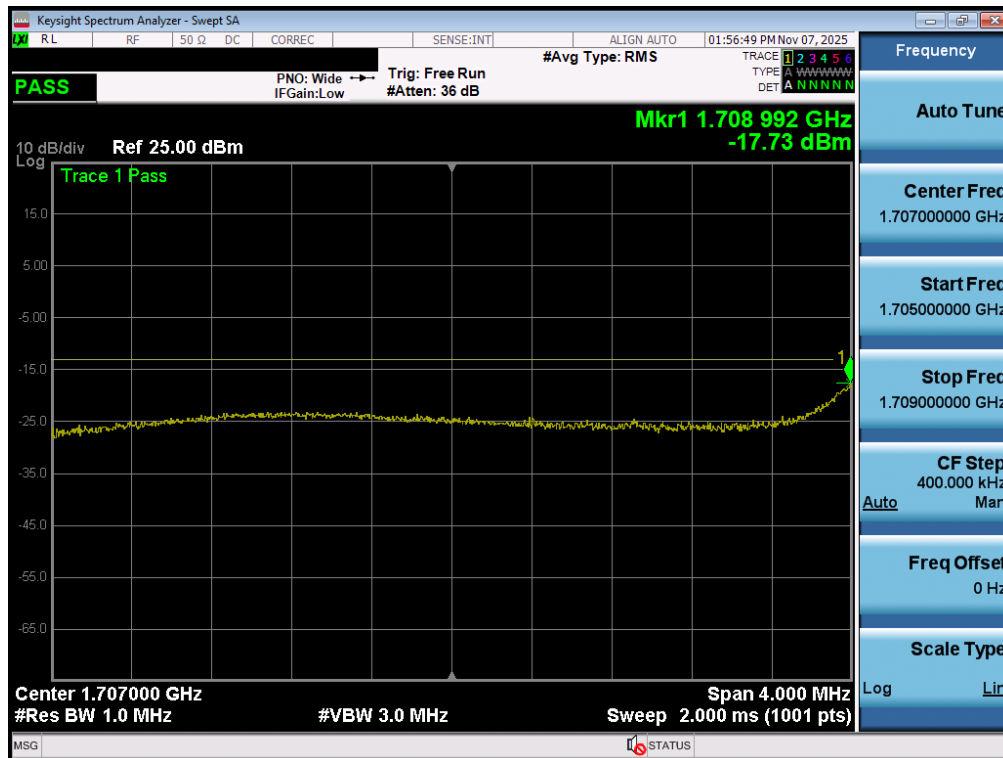
Table 7-16. Conducted Band Edge Results – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 108 of 182

NR Band n66 – ANT1



Plot 7-135. Lower Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT1)

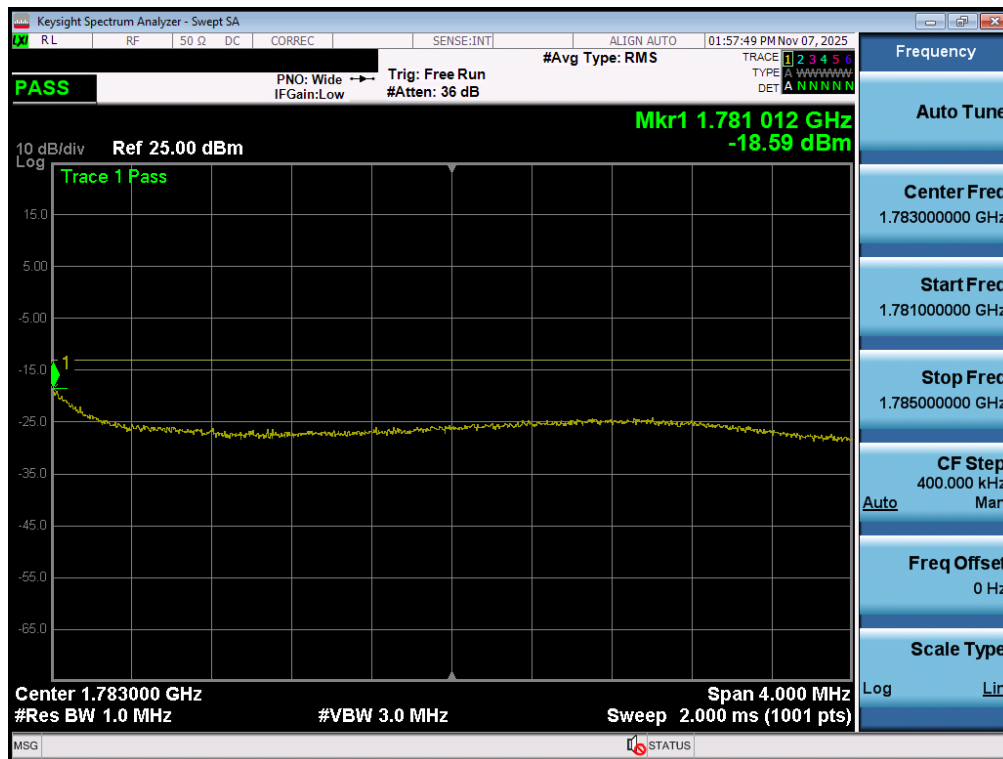


Plot 7-136. Lower Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 109 of 182



Plot 7-137. Upper Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT1)



Plot 7-138. Upper Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 110 of 182

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 12/17	10 MHz	Low	Band Edge	-26.41	-13	-13.41
		High	Band Edge	-26.69	-13	-13.69
	5 MHz	Low	Band Edge	-20.31	-13	-7.31
		High	Band Edge	-21.54	-13	-8.54
	3 MHz	Low	Band Edge	-17.56	-13	-4.56
		High	Band Edge	-17.46	-13	-4.46
	1.4 MHz	Low	Band Edge	-19.47	-13	-6.47
		High	Band Edge	-19.77	-13	-6.77
LTE Band 13	10 MHz	Low	Band Edge	-24.24	-13	-11.24
		Low	Emission Mask	-61.47	-13	-48.47
		High	Band Edge	-22.98	-13	-9.98
		High	Emission Mask	-41.16	-13	-28.16
	5 MHz	Low	Band Edge	-17.75	-13	-4.75
		Low	Emission Mask	-60.08	-13	-47.08
		High	Band Edge	-22.17	-13	-9.17
		High	Emission Mask	-53.87	-13	-40.87

Table 7-17. Conducted Band Edge Results – Ant2

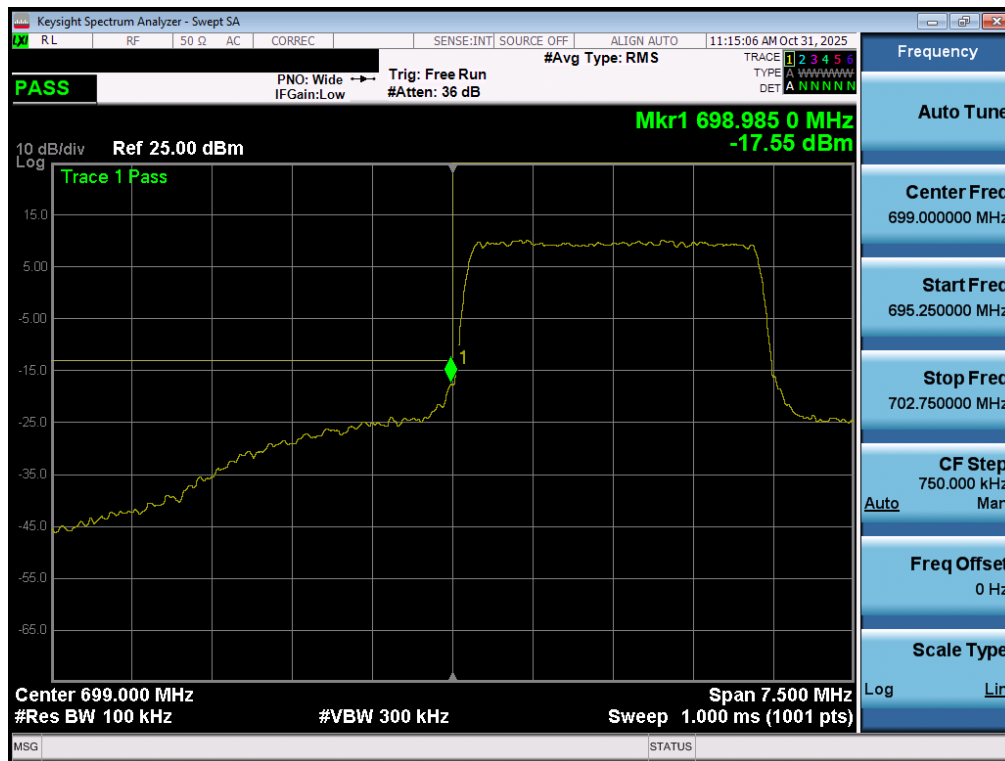
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 111 of 182

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
LTE Band 66/4	20MHz	Low	Band Edge	-27.82	-13	-14.82
		Low	Extended	-26.34	-13	-13.34
		High (B4)	Band Edge	-27.72	-13	-14.72
		High (B4)	Extended	-27.29	-13	-14.29
		High (B66)	Band Edge	-29.66	-13	-16.66
		High (B66)	Extended	-28.01	-13	-15.01
	15MHz	Low	Band Edge	-25.35	-13	-12.35
		Low	Extended	-24.26	-13	-11.26
		High (B4)	Band Edge	-23.82	-13	-10.82
		High (B4)	Extended	-25.36	-13	-12.36
		High (B66)	Band Edge	-23.66	-13	-10.66
		High (B66)	Extended	-25.66	-13	-12.66
	10MHz	Low	Band Edge	-23.44	-13	-10.44
		Low	Extended	-21.15	-13	-8.15
		High (B4)	Band Edge	-23.86	-13	-10.86
		High (B4)	Extended	-23.67	-13	-10.67
		High (B66)	Band Edge	-25.37	-13	-12.37
		High (B66)	Extended	-22.75	-13	-9.75
	5MHz	Low	Band Edge	-20.28	-13	-7.28
		Low	Extended	-19.26	-13	-6.26
		High (B4)	Band Edge	-17.75	-13	-4.75
		High (B4)	Extended	-25.66	-13	-12.66
		High (B66)	Band Edge	-20.62	-13	-7.62
		High (B66)	Extended	-25.04	-13	-12.04
	3MHz	Low	Band Edge	-20.96	-13	-7.96
		Low	Extended	-20.26	-13	-7.26
		High (B4)	Band Edge	-20.34	-13	-7.34
		High (B4)	Extended	-24.35	-13	-11.35
		High (B66)	Band Edge	-19.71	-13	-6.71
		High (B66)	Extended	-24.25	-13	-11.25
	1.4MHz	Low	Band Edge	-21.74	-13	-8.74
		Low	Extended	-29.32	-13	-16.32
		High (B4)	Band Edge	-24.19	-13	-11.19
		High (B4)	Extended	-30.24	-13	-17.24
		High (B66)	Band Edge	-25.59	-13	-12.59
		High (B66)	Extended	-30.95	-13	-17.95

Table 7-18. Conducted Band Edge Results – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 112 of 182

LTE Band 12/17 – ANT2



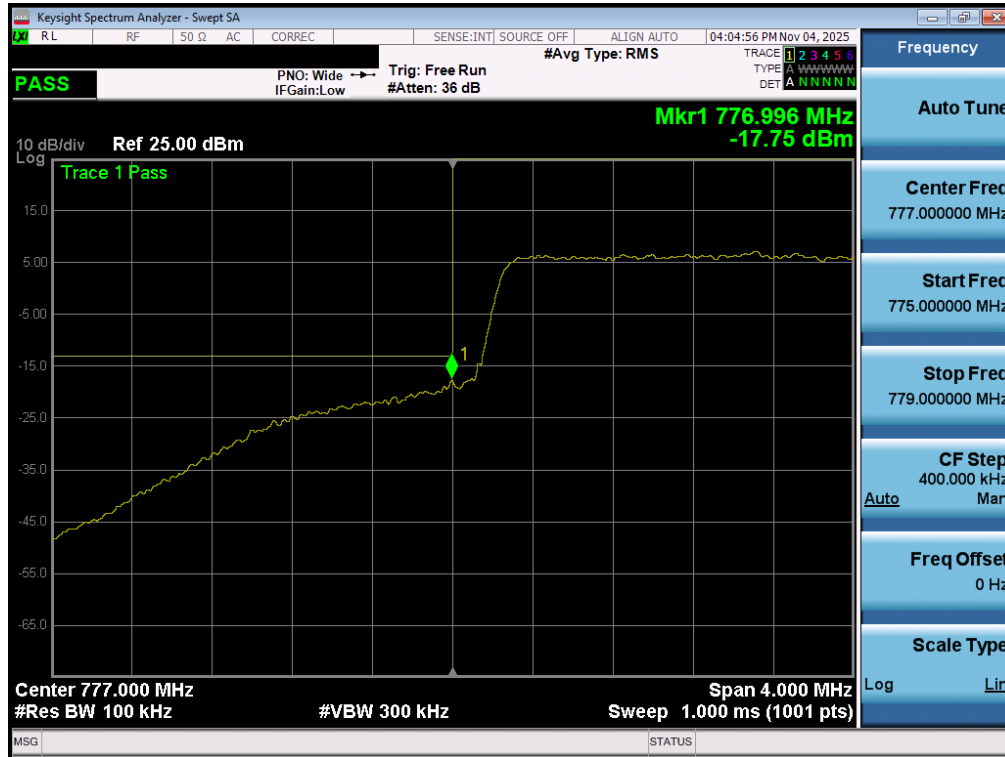
Plot 7-139. Lower Band Edge Plot (LTE Band 12/17 – 3MHz QPSK – Full RB - ANT2)



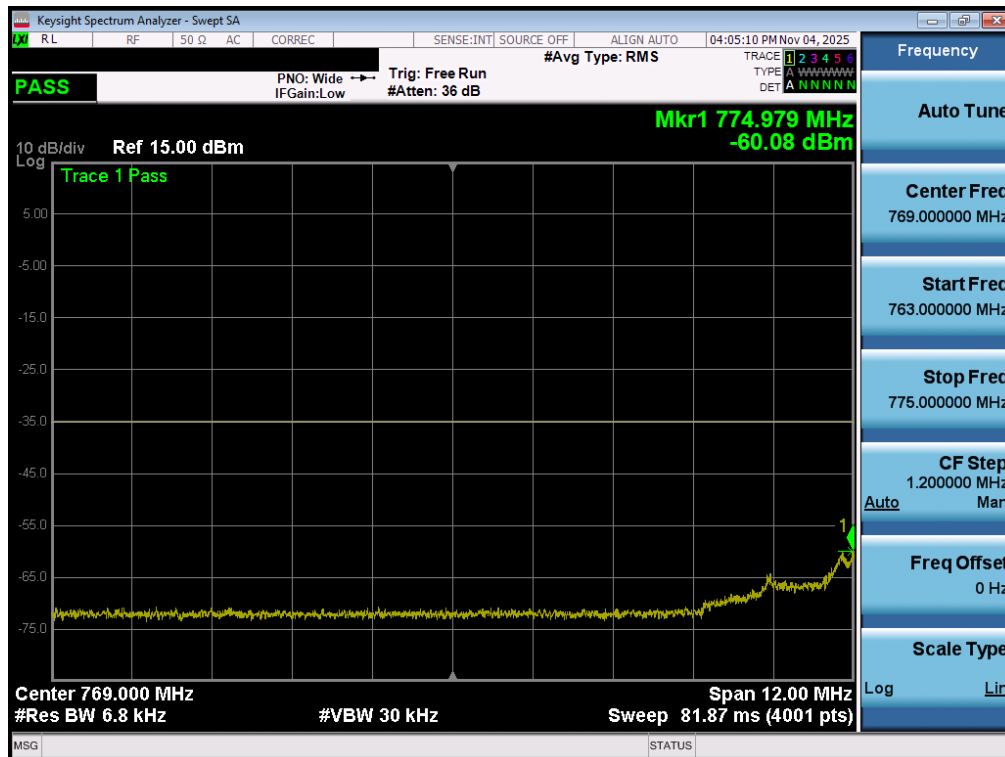
Plot 7-140. Upper Band Edge Plot (LTE Band 12/17 – 3MHz QPSK – Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 113 of 182

LTE Band 13 – ANT2

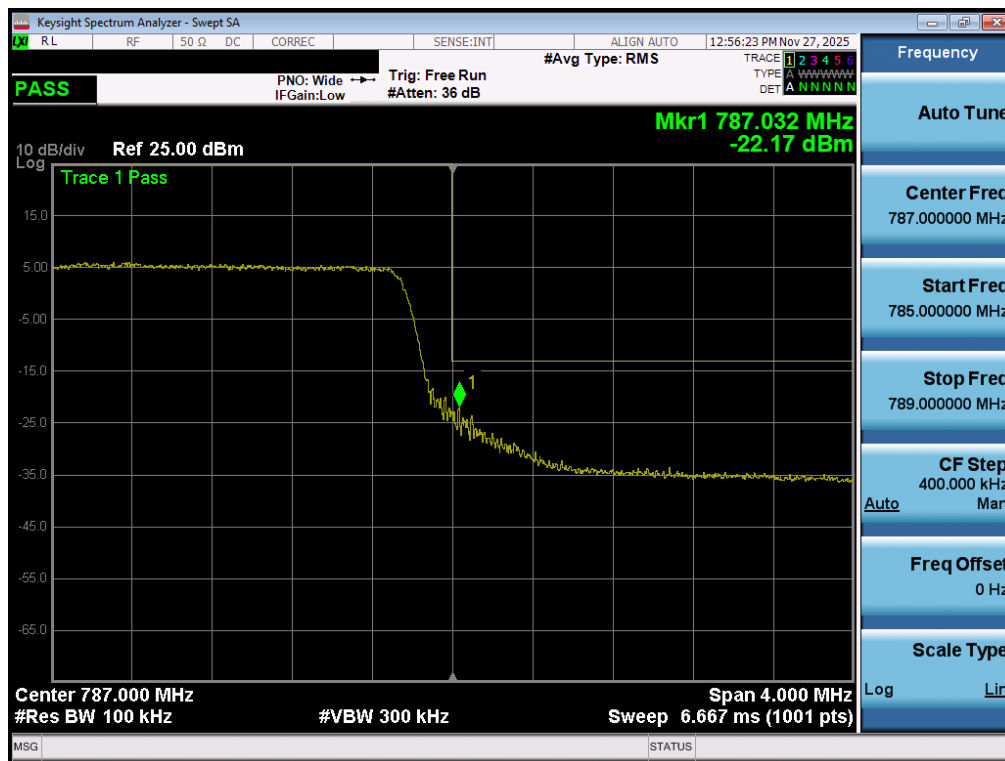


Plot 7-141. Lower Band Edge Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT2)



Plot 7-142. Lower Emission Mask Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 114 of 182



Plot 7-143. Upper Band Edge Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT2)



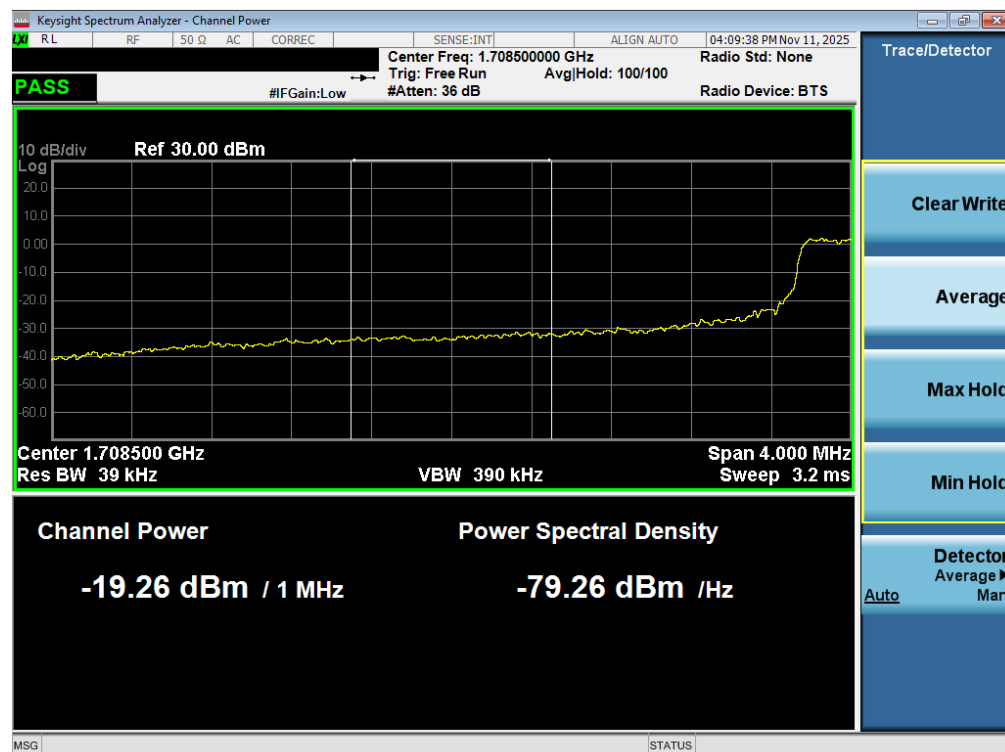
Plot 7-144. Upper Emission Mask Plot (LTE Band 13 - 5MHz QPSK – Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 115 of 182

LTE Band 66/4 – ANT2

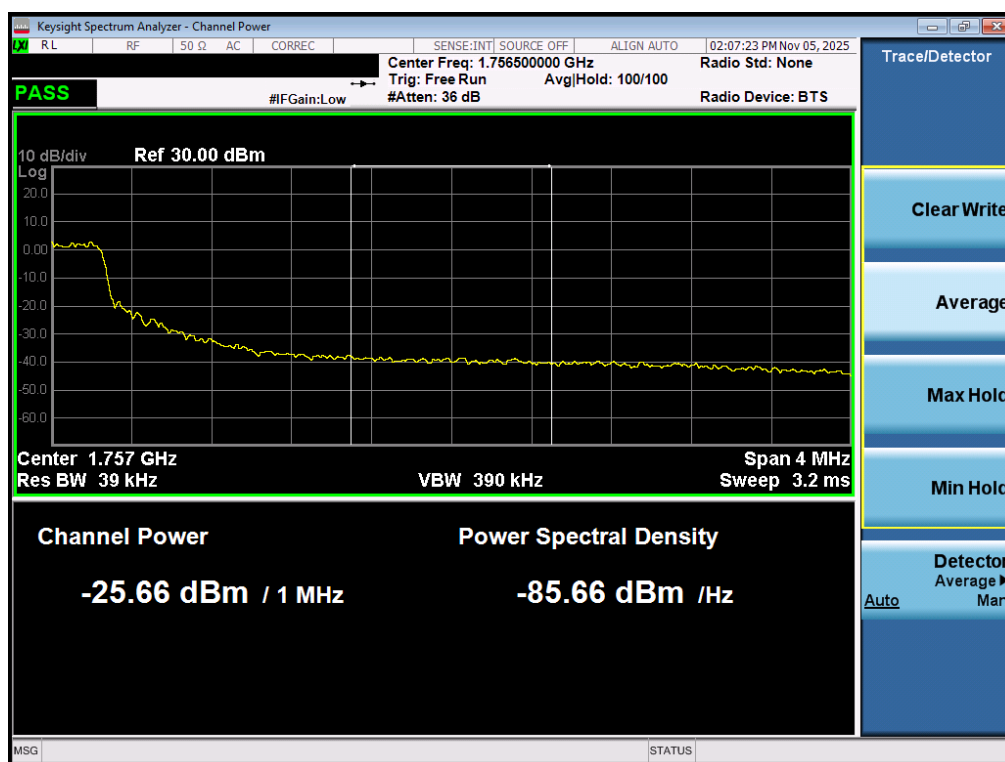


Plot 7-145. Lower Band Edge Plot (LTE Band 66/4 – 5MHz QPSK – Full RB - ANT2)



Plot 7-146. Lower Extended Band Edge Plot (LTE Band 66/4 – 5MHz QPSK – Full RB - ANT2)

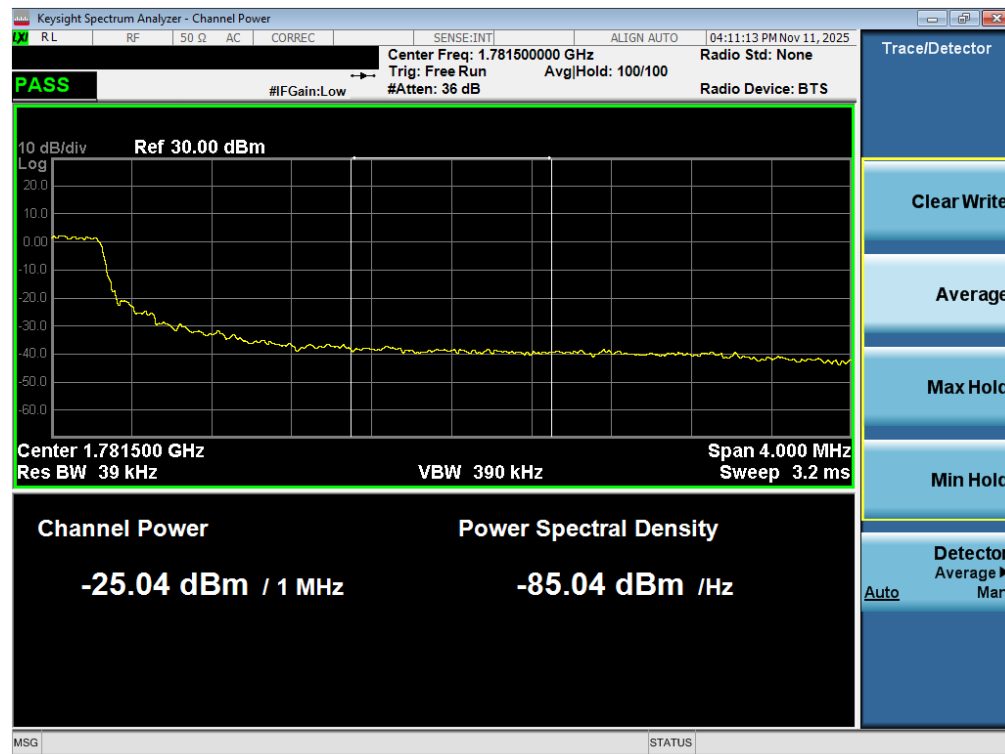
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 116 of 182



FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 117 of 182



Plot 7-149. Upper Band Edge Plot (LTE Band 66 – 5MHz QPSK – Full RB - ANT2)



Plot 7-150. Upper Extended Band Edge Plot (LTE Band 66 – 5MHz QPSK – Full RB - ANT2)

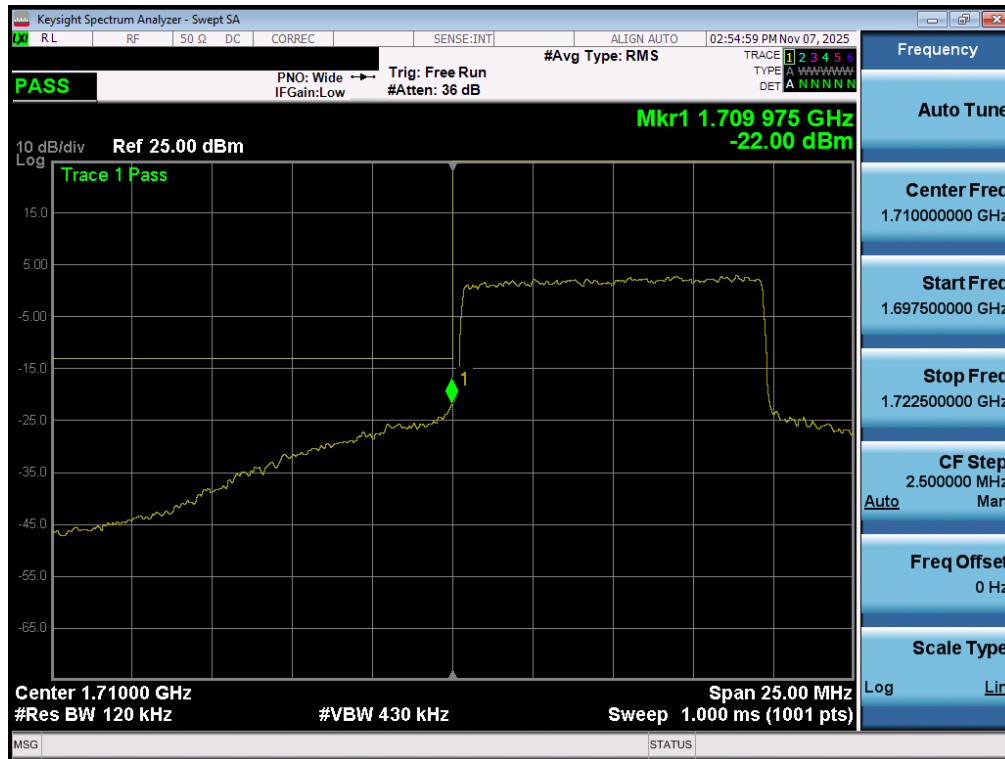
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 118 of 182

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR Band n66	40 MHz	Low	Band Edge	-24.87	-13	-11.87
		Low	Extended	-24.99	-13	-11.99
		High	Band Edge	-21.45	-13	-8.45
		High	Extended	-25.05	-13	-12.05
	30 MHz	Low	Band Edge	-24.29	-13	-11.29
		Low	Extended	-23.08	-13	-10.08
		High	Band Edge	-22.96	-13	-9.96
		High	Extended	-24.73	-13	-11.73
	25 MHz	Low	Band Edge	-26.16	-13	-13.16
		Low	Extended	-22.14	-13	-9.14
		High	Band Edge	-25.59	-13	-12.59
		High	Extended	-25.15	-13	-12.15
	20 MHz	Low	Band Edge	-23.94	-13	-10.94
		Low	Extended	-19.77	-13	-6.77
		High	Band Edge	-24.82	-13	-11.82
		High	Extended	-23.39	-13	-10.39
	15 MHz	Low	Band Edge	-24.90	-13	-11.90
		Low	Extended	-18.35	-13	-5.35
		High	Band Edge	-25.79	-13	-12.79
		High	Extended	-21.56	-13	-8.56
	10 MHz	Low	Band Edge	-22.00	-13	-9.00
		Low	Extended	-15.32	-13	-2.32
		High	Band Edge	-24.38	-13	-11.38
		High	Extended	-18.56	-13	-5.56
	5 MHz	Low	Band Edge	-22.54	-13	-9.54
		Low	Extended	-15.65	-13	-2.65
		High	Band Edge	-24.00	-13	-11.00
		High	Extended	-24.79	-13	-11.79

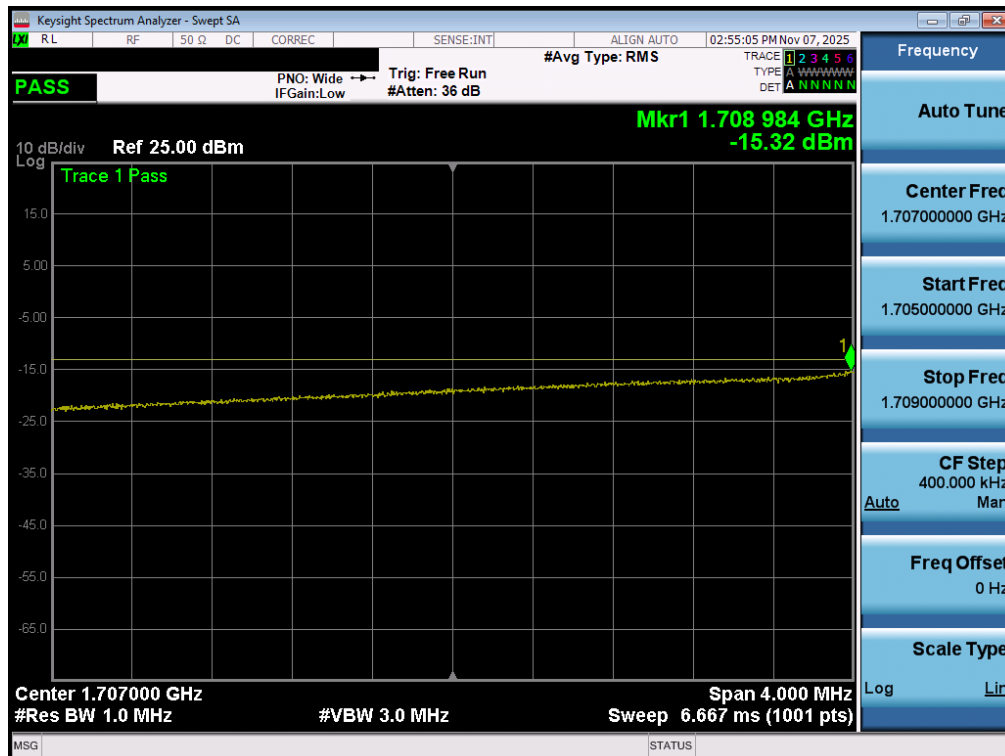
Table 7-19. Conducted Band Edge Results – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 119 of 182

NR Band n66 – ANT2



Plot 7-151. Lower Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT2)

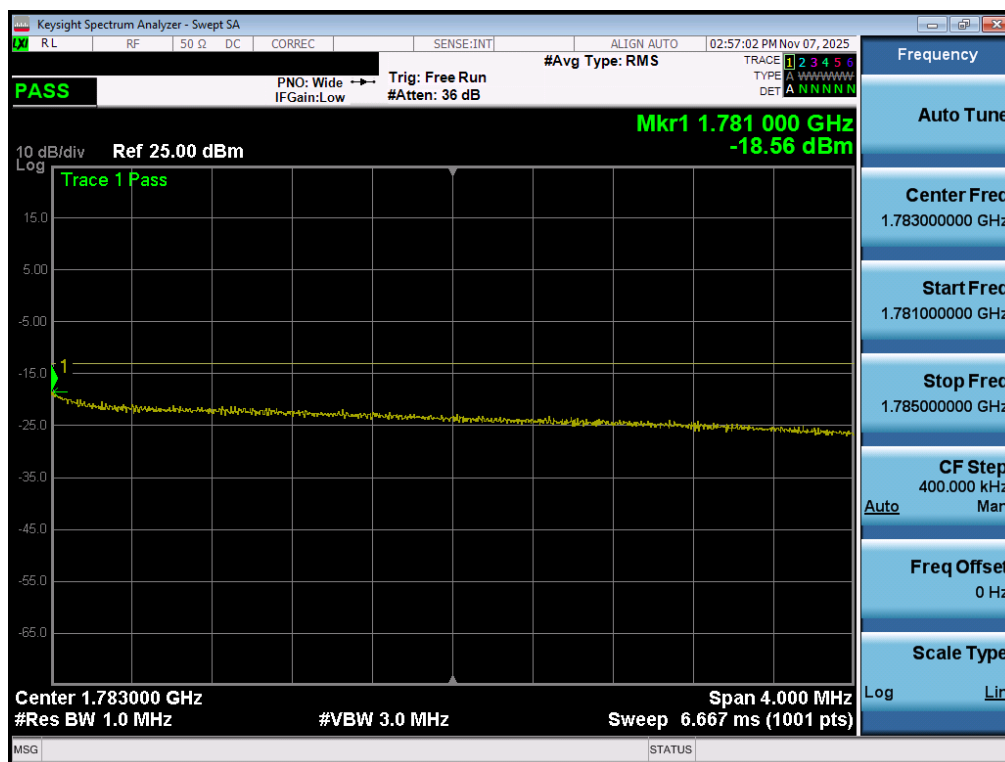


Plot 7-152. Lower Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 120 of 182



Plot 7-153. Upper Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT2)



Plot 7-154. Upper Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 121 of 182

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.

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.

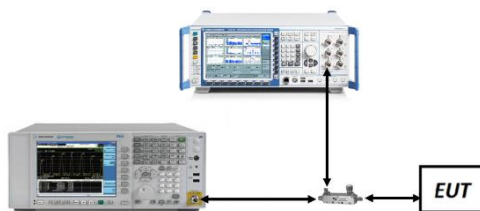


Figure 7-5. Test Instrument & Measurement Setup

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: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07-A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 122 of 182

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
WCDMA-AWS	5MHz	GMSK	22.86	3.00	13	-10.00
LTE-B66-4	20MHz	QPSK	21.87	6.17	13	-6.83
		256QAM	17.78	6.38	13	-6.62
	15MHz	QPSK	21.92	6.25	13	-6.75
		256QAM	17.63	6.35	13	-6.65
	10MHz	QPSK	21.86	6.33	13	-6.67
		256QAM	17.68	6.33	13	-6.67
	5MHz	QPSK	21.83	6.25	13	-6.75
		256QAM	17.74	6.33	13	-6.67
	3MHz	QPSK	21.81	6.31	13	-6.69
		256QAM	17.74	6.35	13	-6.65
	1.4MHz	QPSK	21.77	6.41	13	-6.59
		256QAM	17.61	6.47	13	-6.53

Table 7-20. Peak-Average Ratio Results – Ant1

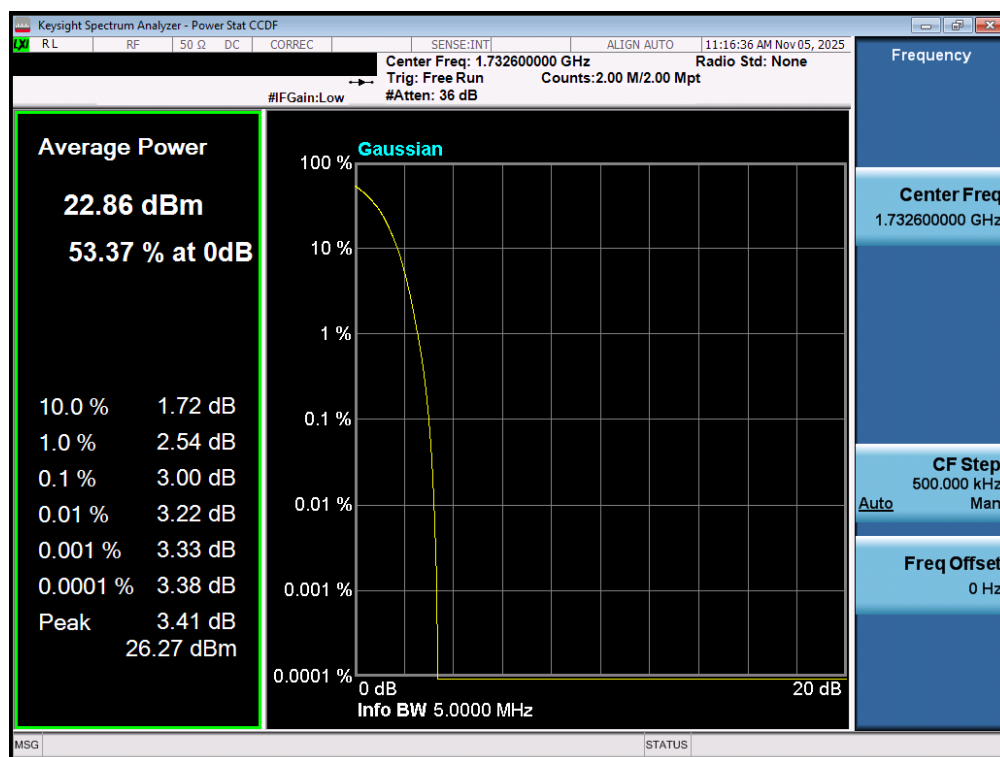
FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 123 of 182

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n66	40MHz	$\pi/2$ BPSK	22.46	5.24	13	-7.76
		QPSK	19.88	8.22	13	-4.78
		256QAM	16.35	8.15	13	-4.85
	30MHz	$\pi/2$ BPSK	22.51	4.34	13	-8.66
		QPSK	19.90	8.21	13	-4.79
		256QAM	16.38	8.04	13	-4.96
	25MHz	$\pi/2$ BPSK	22.55	4.75	13	-8.25
		QPSK	19.98	8.18	13	-4.82
		256QAM	16.48	8.16	13	-4.84
	20MHz	$\pi/2$ BPSK	22.57	4.43	13	-8.57
		QPSK	19.99	8.22	13	-4.78
		256QAM	16.47	8.03	13	-4.97
	15MHz	$\pi/2$ BPSK	22.56	4.55	13	-8.45
		QPSK	20.01	8.18	13	-4.82
		256QAM	16.51	8.04	13	-4.96
	10MHz	$\pi/2$ BPSK	22.56	4.55	13	-8.45
		QPSK	20.00	8.20	13	-4.80
		256QAM	16.50	8.05	13	-4.95
	5MHz	$\pi/2$ BPSK	22.54	4.57	13	-8.43
		QPSK	19.98	8.25	13	-4.75
		256QAM	16.45	8.06	13	-4.94

Table 7-21. Peak-Average Ratio Results – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 124 of 182

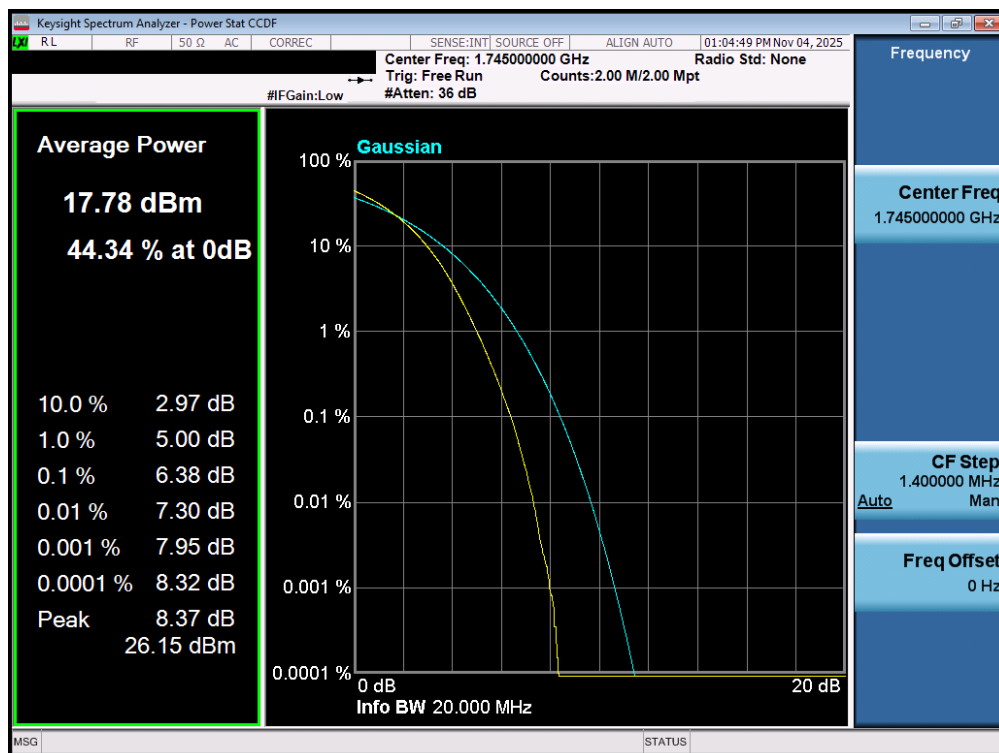
WCDMA AWS – ANT1



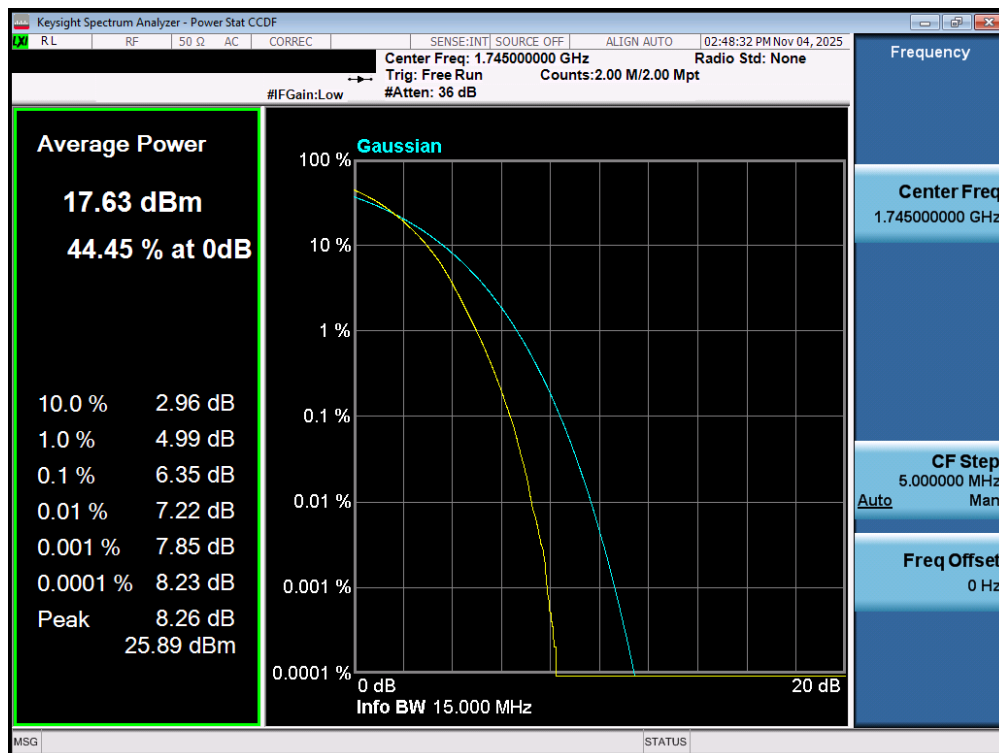
Plot 7-155. PAR Plot (WCDMA, Ch. 1413 – ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 125 of 182

LTE Band 66/4 – ANT1

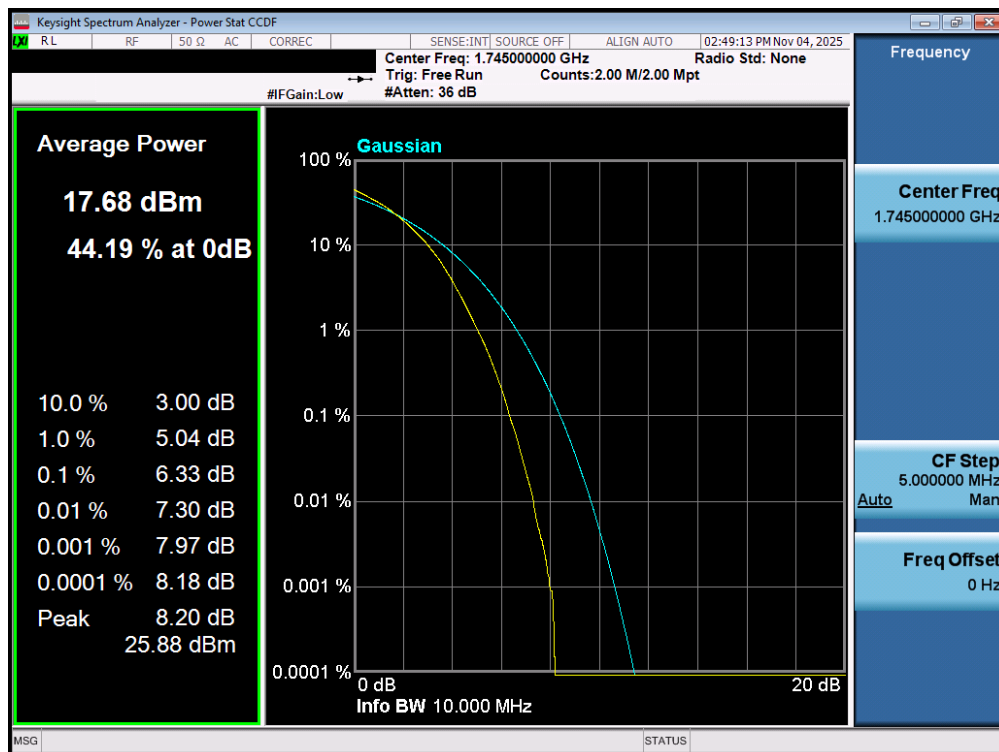


Plot 7-156. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB - ANT1)

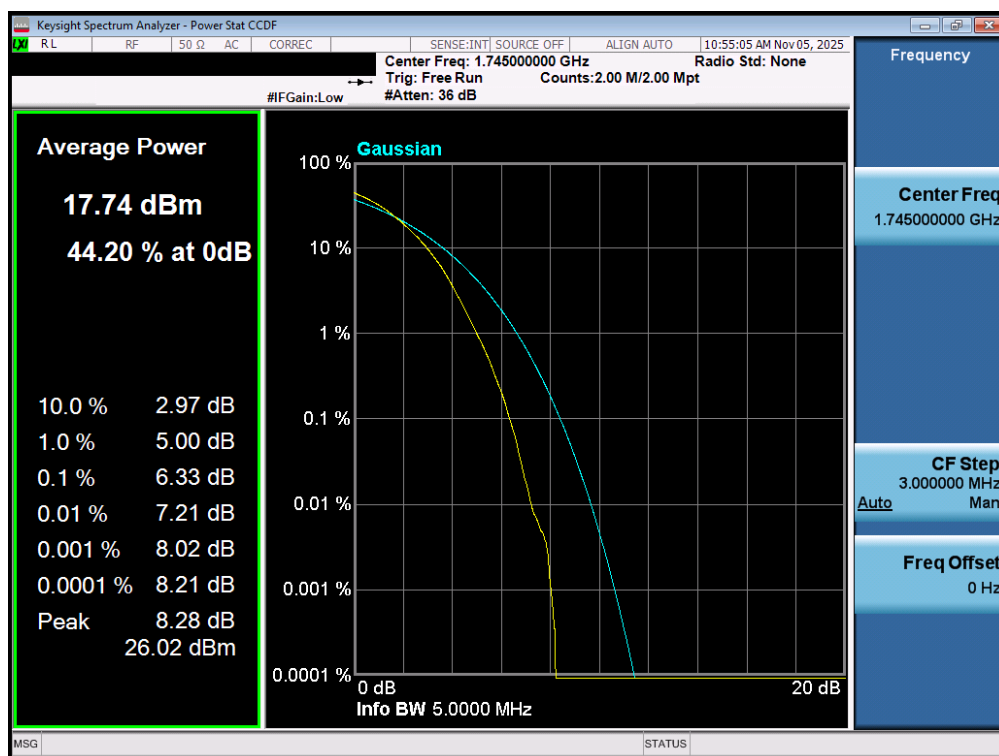


Plot 7-157. PAR Plot (LTE Band 66/4 - 15MHz 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 126 of 182

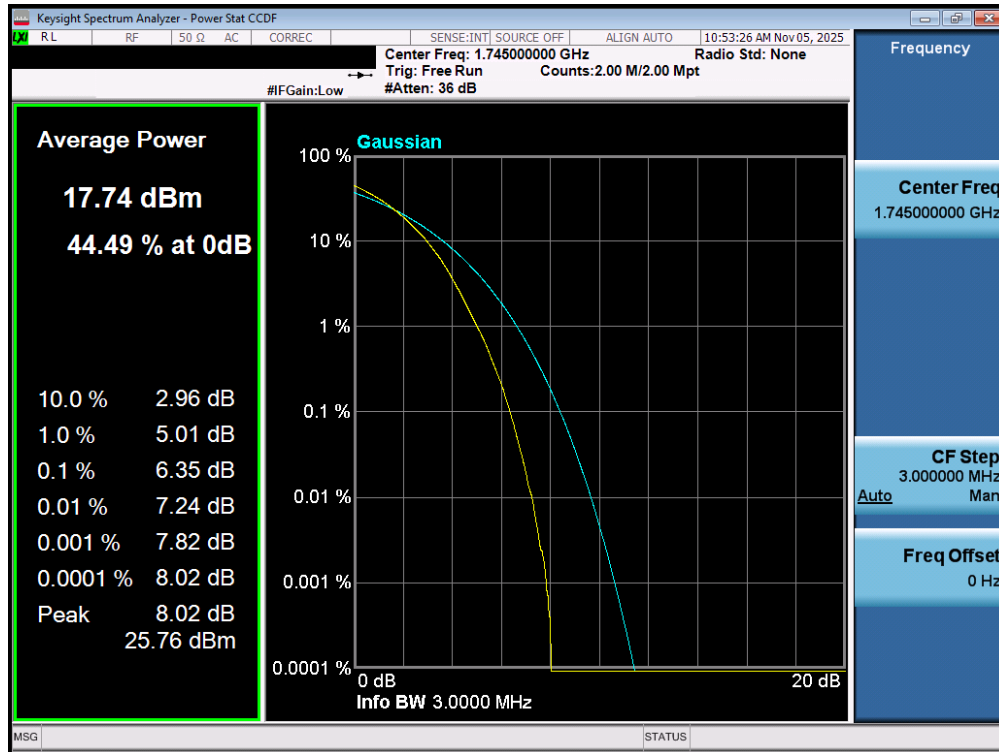


Plot 7-158. PAR Plot (LTE Band 66/4 - 10MHz 256-QAM - Full RB - ANT1)

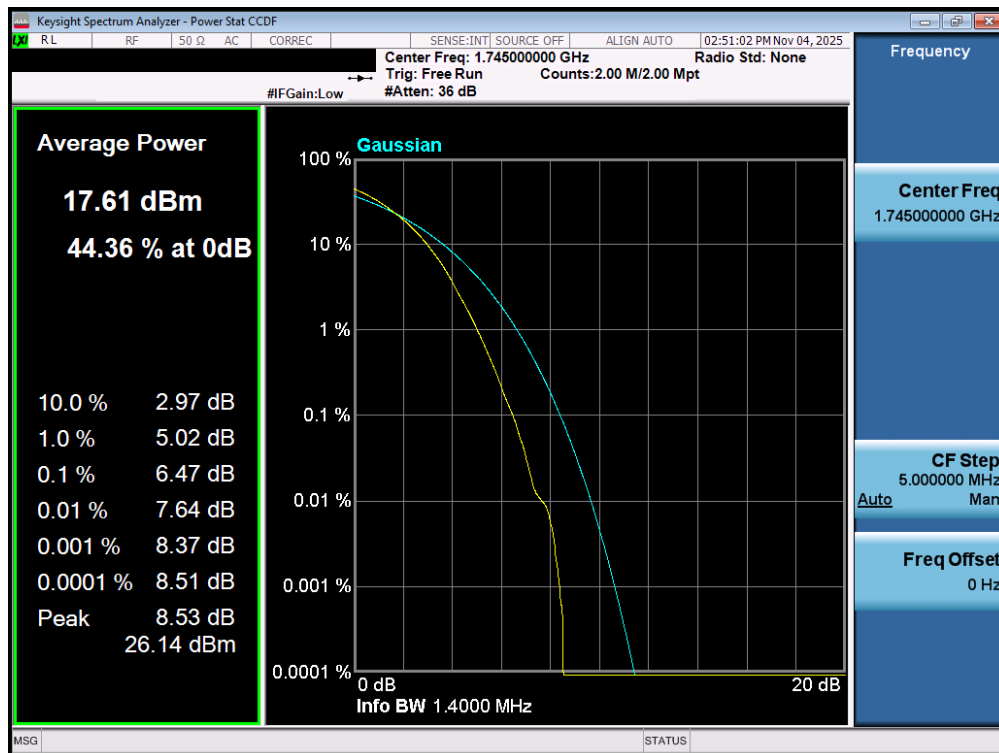


Plot 7-159. PAR Plot (LTE Band 66/4 - 5MHz 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 127 of 182



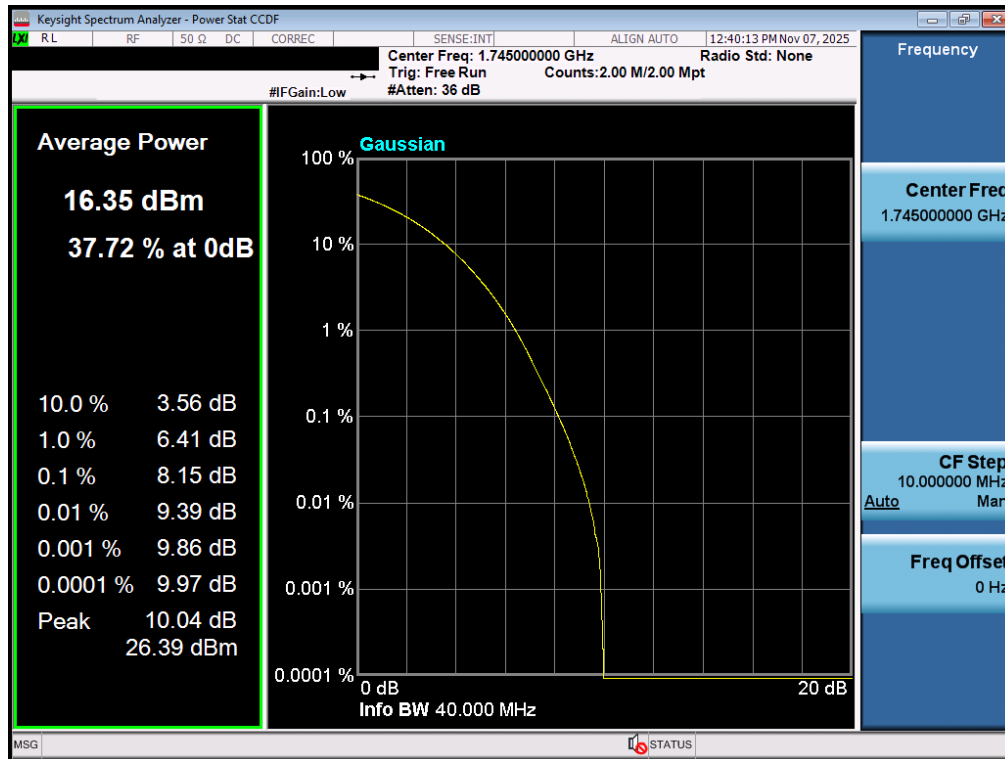
Plot 7-160. PAR Plot (LTE Band 66/4 - 3MHz 256-QAM - Full RB - ANT1)



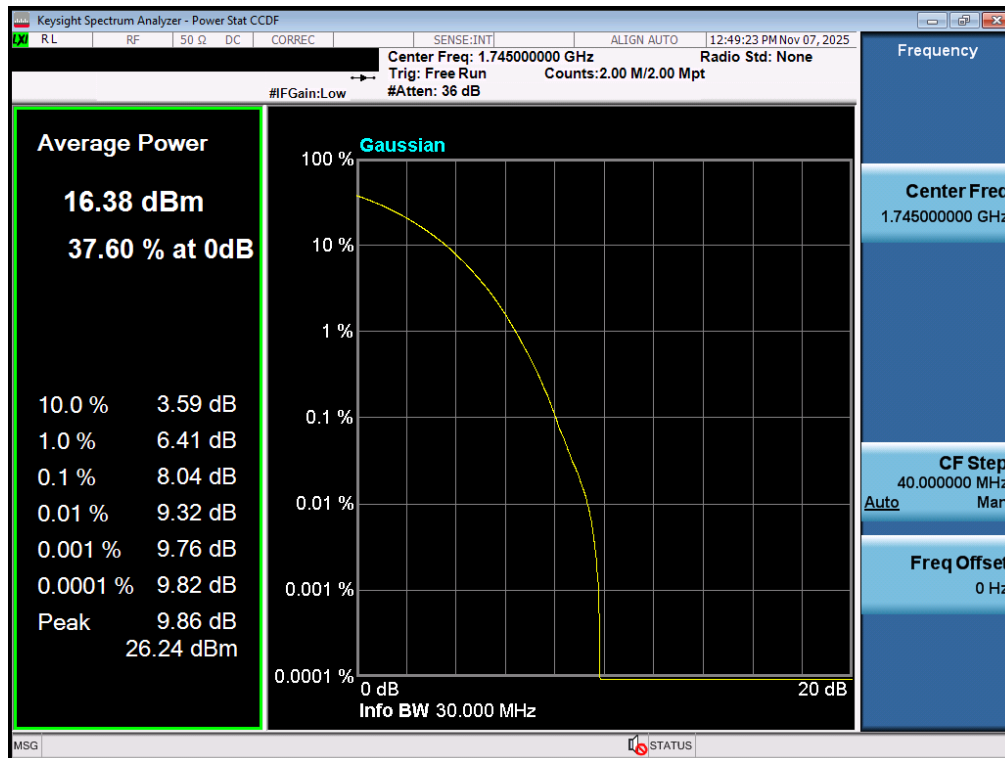
Plot 7-161. PAR Plot (LTE Band 66/4 - 1.4MHz 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280091-07.A3L	Test Dates: 10/30/2025 - 11/30/2025	EUT Type: Portable Handset	Page 128 of 182

NR Band n66 – ANT1

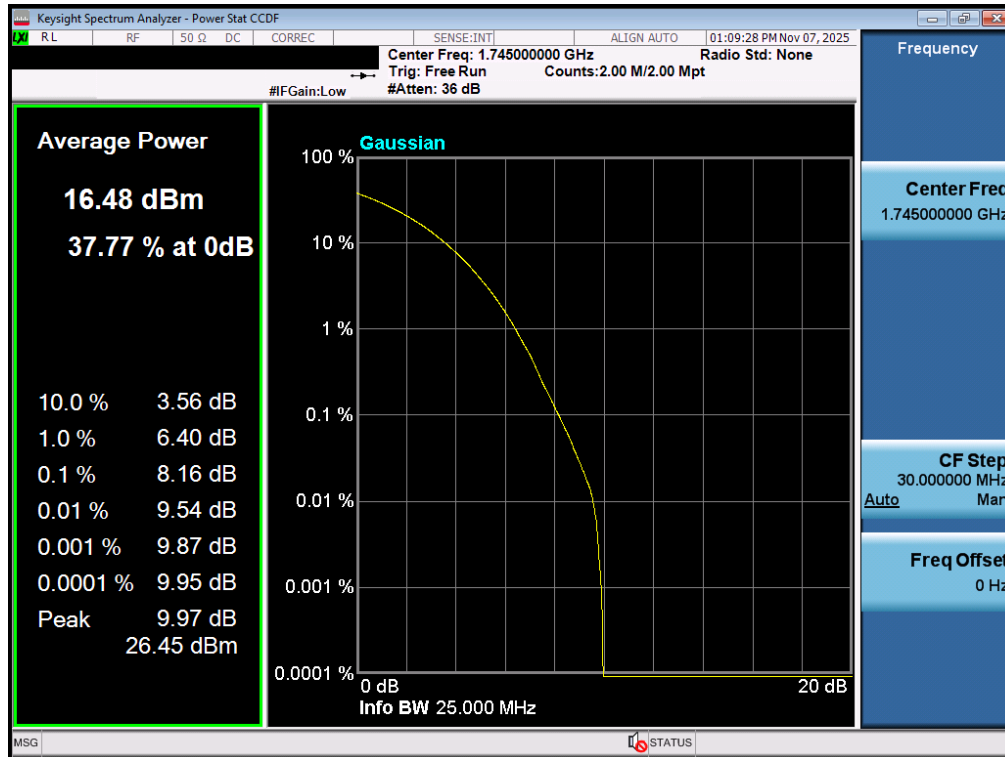


Plot 7-162. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

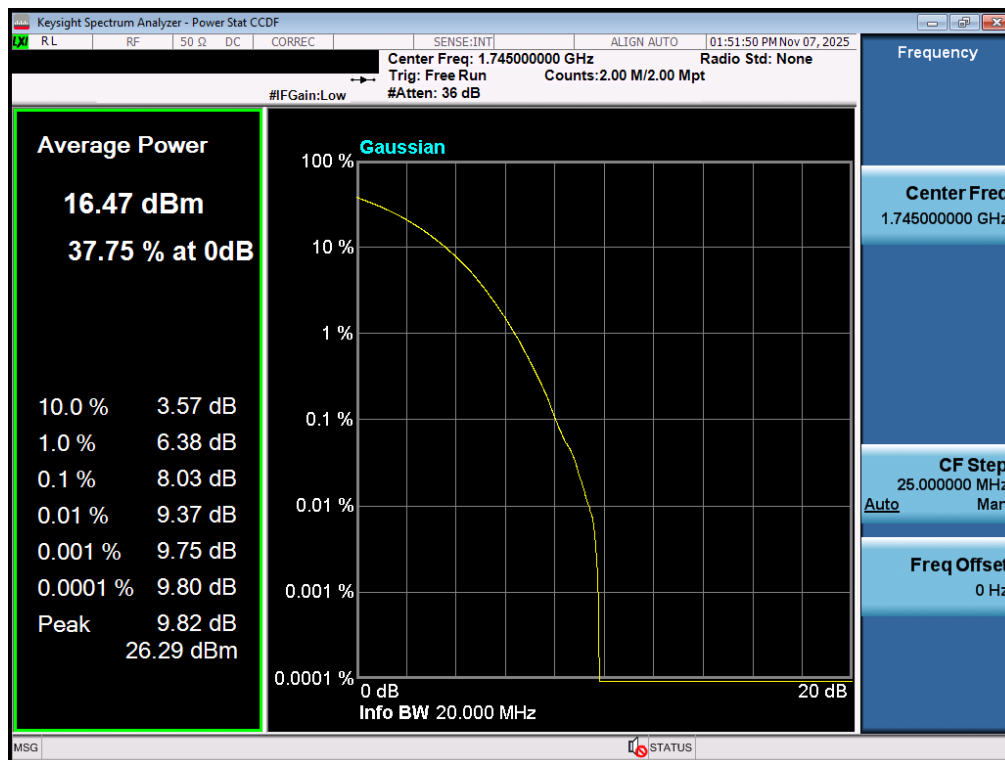


Plot 7-163. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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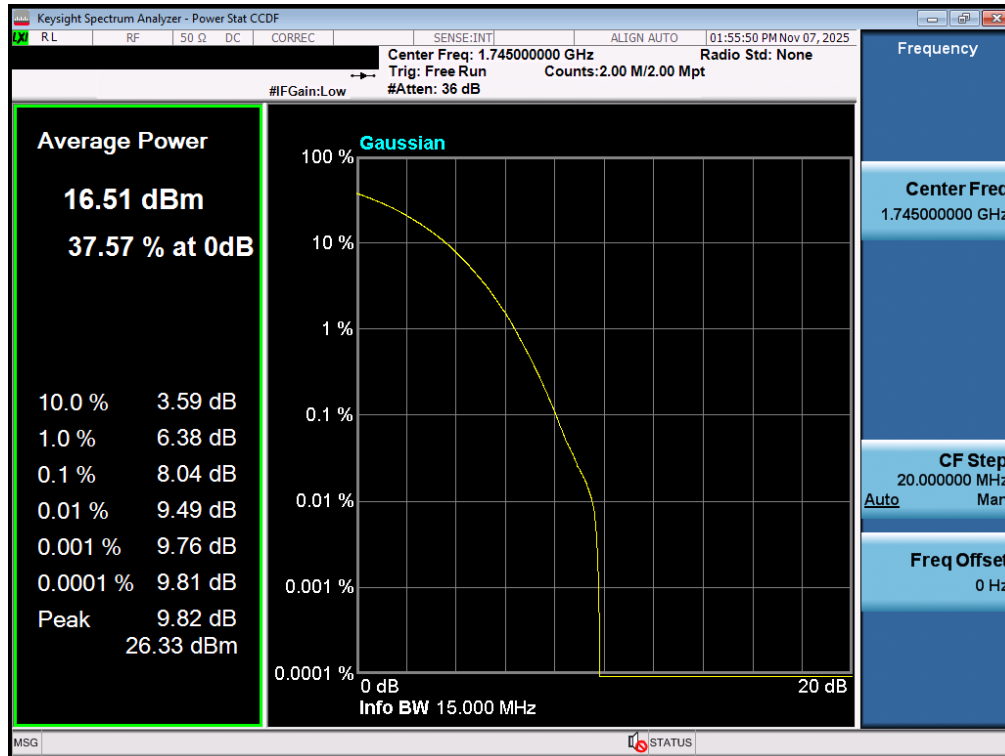


Plot 7-164. PAR Plot (NR Band n66 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

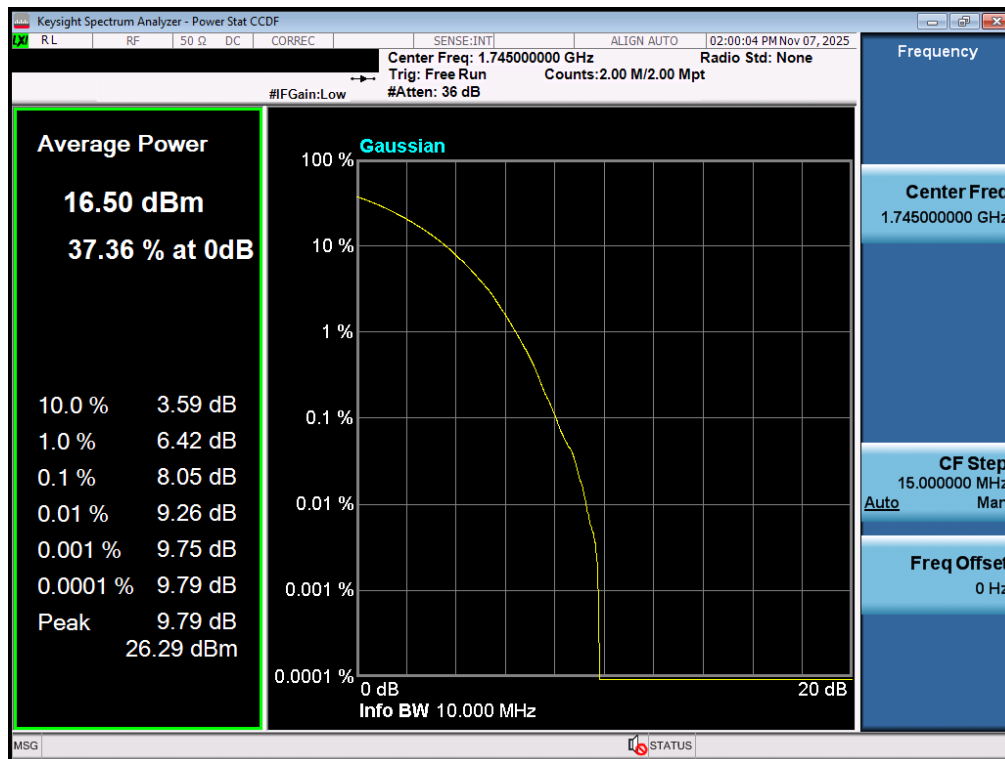


Plot 7-165. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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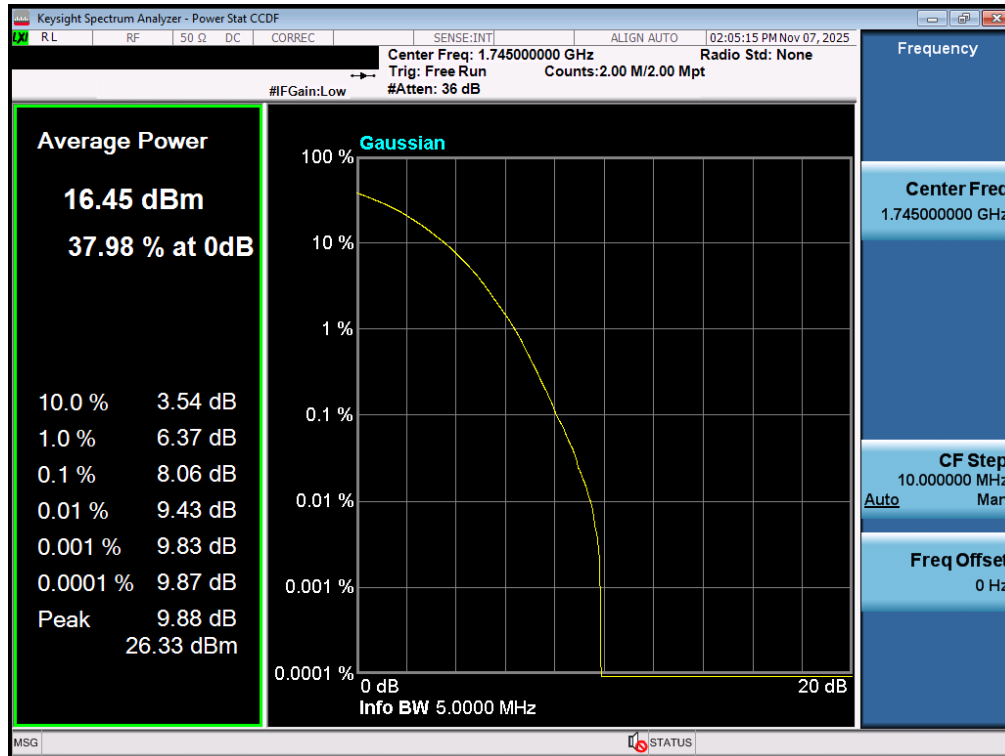


Plot 7-166. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT1)



Plot 7-167. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-168. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B66-4	20MHz	QPSK	22.08	5.41	13	-7.59
		256QAM	18.09	5.97	13	-7.03
	15MHz	QPSK	22.08	5.40	13	-7.60
		256QAM	18.07	5.94	13	-7.06
	10MHz	QPSK	22.15	5.46	13	-7.54
		256QAM	18.03	5.94	13	-7.06
	5MHz	QPSK	22.12	5.44	13	-7.56
		256QAM	18.03	5.93	13	-7.07
	3MHz	QPSK	22.21	5.49	13	-7.51
		256QAM	18.05	5.92	13	-7.08
	1.4MHz	QPSK	22.09	5.50	13	-7.50
		256QAM	18.02	5.89	13	-7.11

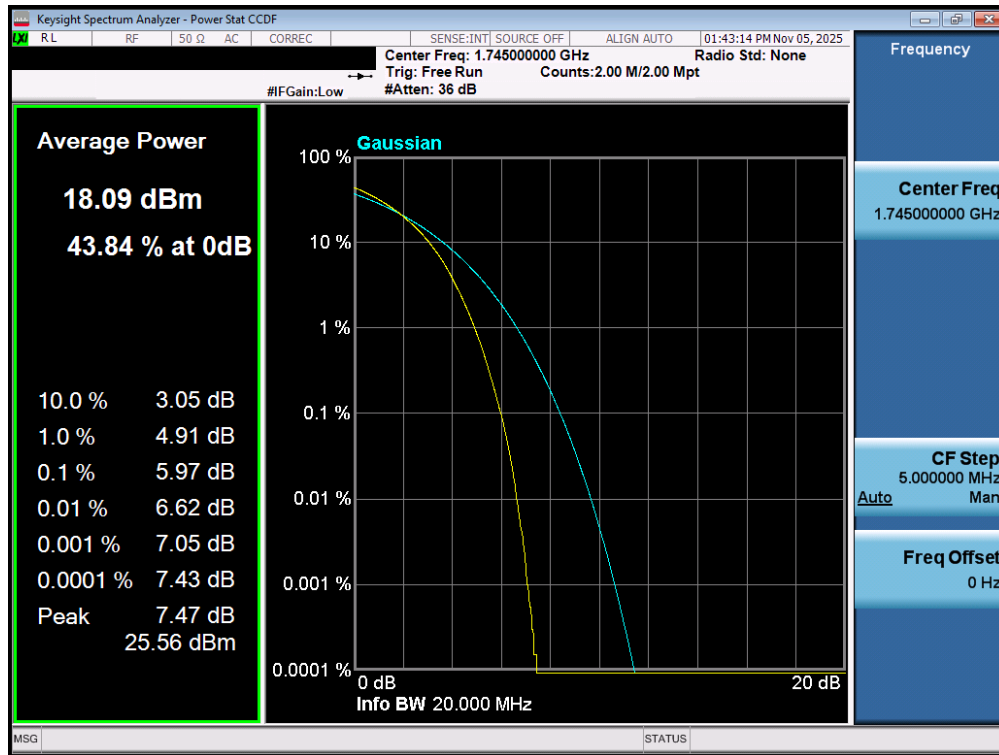
Table 7-22. Peak-Average Ratio Results – Ant2

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n66	40MHz	$\pi/2$ BPSK	22.48	4.98	13	-8.02
		QPSK	19.95	7.68	13	-5.32
		256QAM	16.43	8.37	13	-4.63
	30MHz	$\pi/2$ BPSK	22.65	4.12	13	-8.88
		QPSK	20.11	7.38	13	-5.62
		256QAM	16.56	7.45	13	-5.55
	25MHz	$\pi/2$ BPSK	22.70	4.56	13	-8.44
		QPSK	20.17	7.20	13	-5.80
		256QAM	16.63	7.39	13	-5.61
	20MHz	$\pi/2$ BPSK	22.69	4.32	13	-8.68
		QPSK	20.15	7.16	13	-5.84
		256QAM	16.62	7.19	13	-5.81
	15MHz	$\pi/2$ BPSK	22.68	4.28	13	-8.72
		QPSK	20.15	6.99	13	-6.01
		256QAM	16.65	7.23	13	-5.77
	10MHz	$\pi/2$ BPSK	22.70	4.37	13	-8.63
		QPSK	20.17	7.13	13	-5.87
		256QAM	16.65	7.26	13	-5.74
	5MHz	$\pi/2$ BPSK	22.69	4.32	13	-8.68
		QPSK	20.16	6.92	13	-6.08
		256QAM	16.63	7.07	13	-5.93

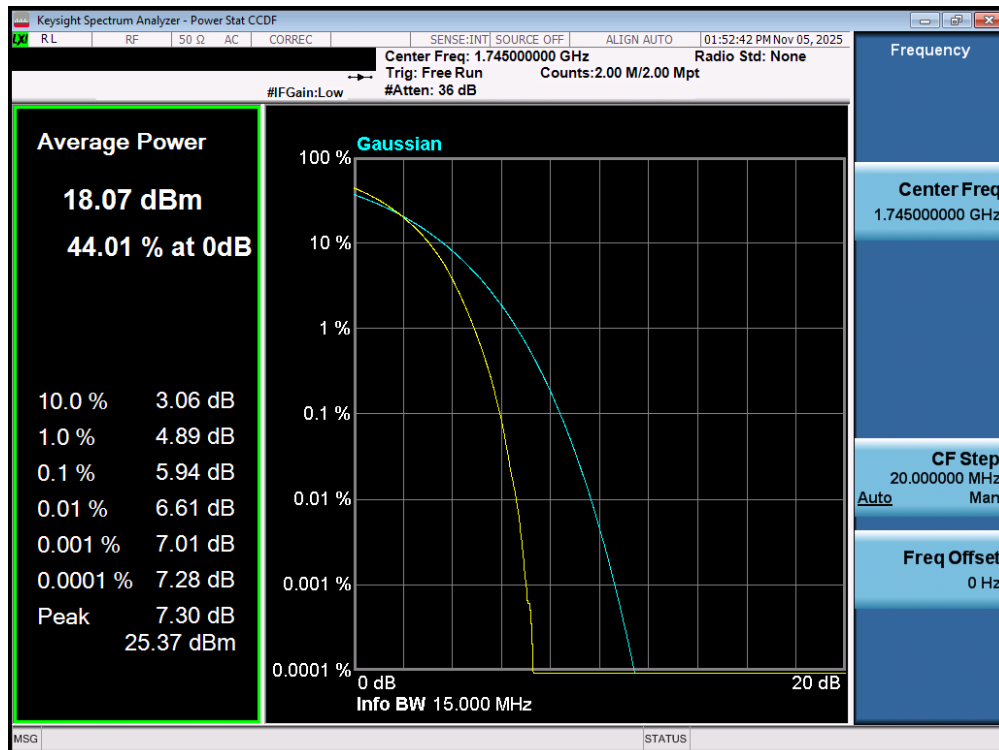
Table 7-23. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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LTE Band 66/4 – ANT2

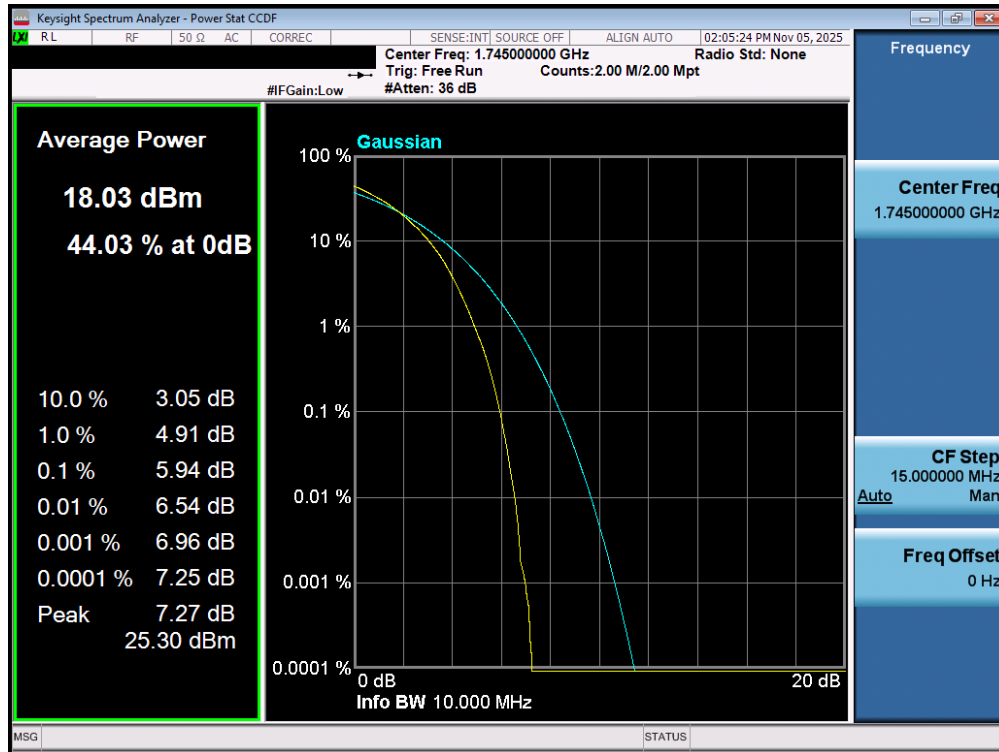


Plot 7-169. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB - ANT2)

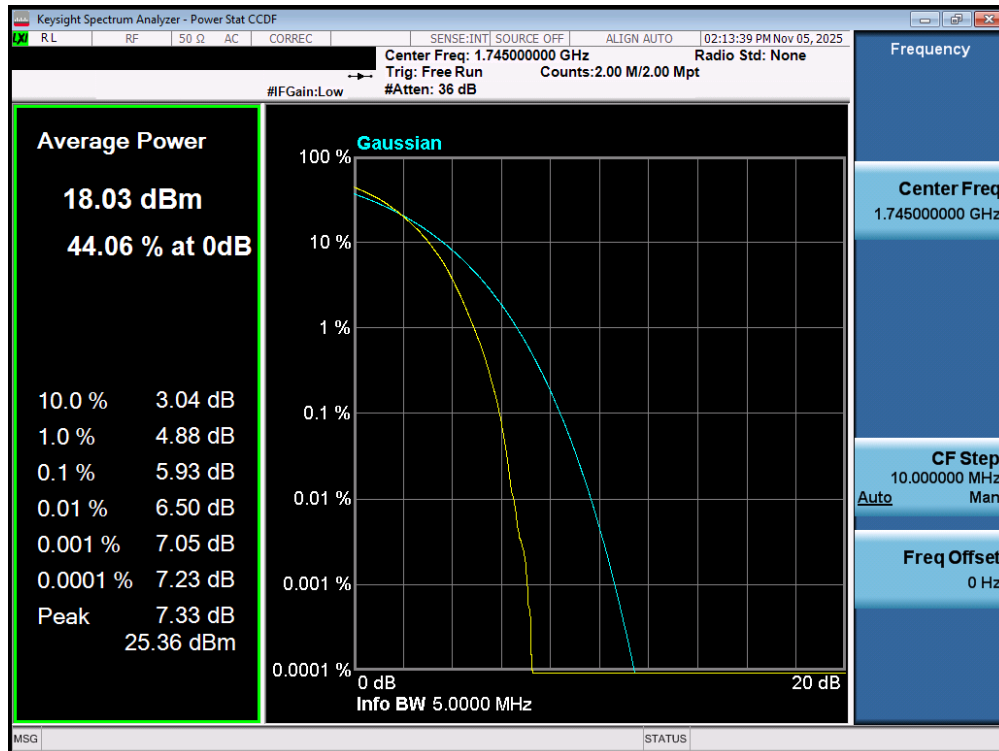


Plot 7-170. PAR Plot (LTE Band 66/4 - 15MHz 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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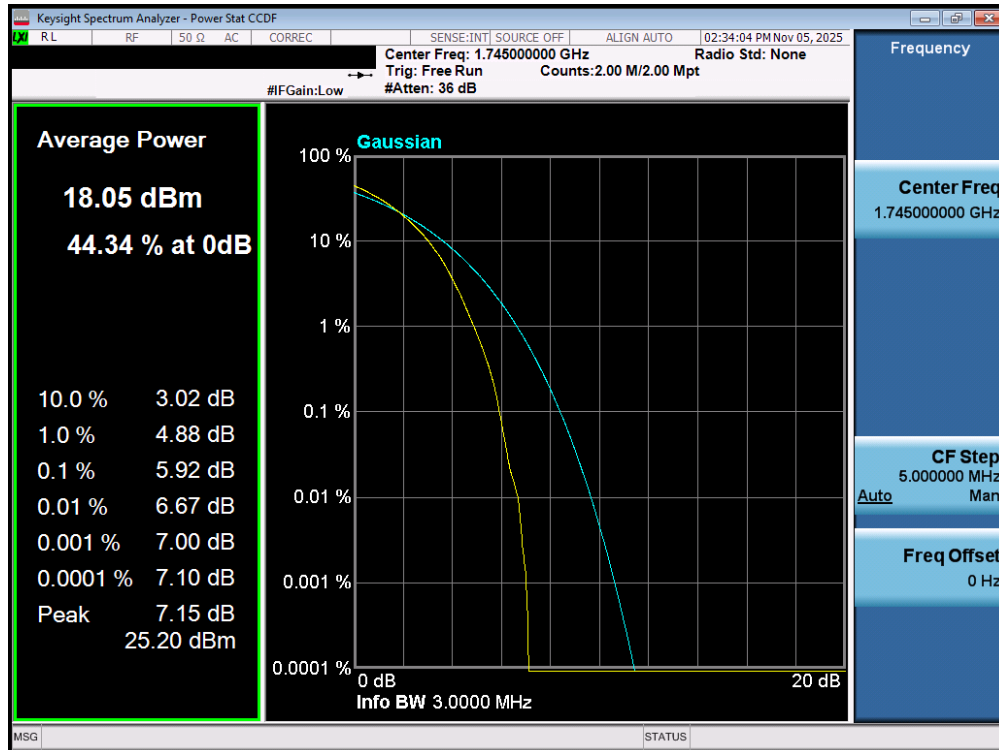


Plot 7-171. PAR Plot (LTE Band 66/4 - 10MHz 256-QAM - Full RB - ANT2)

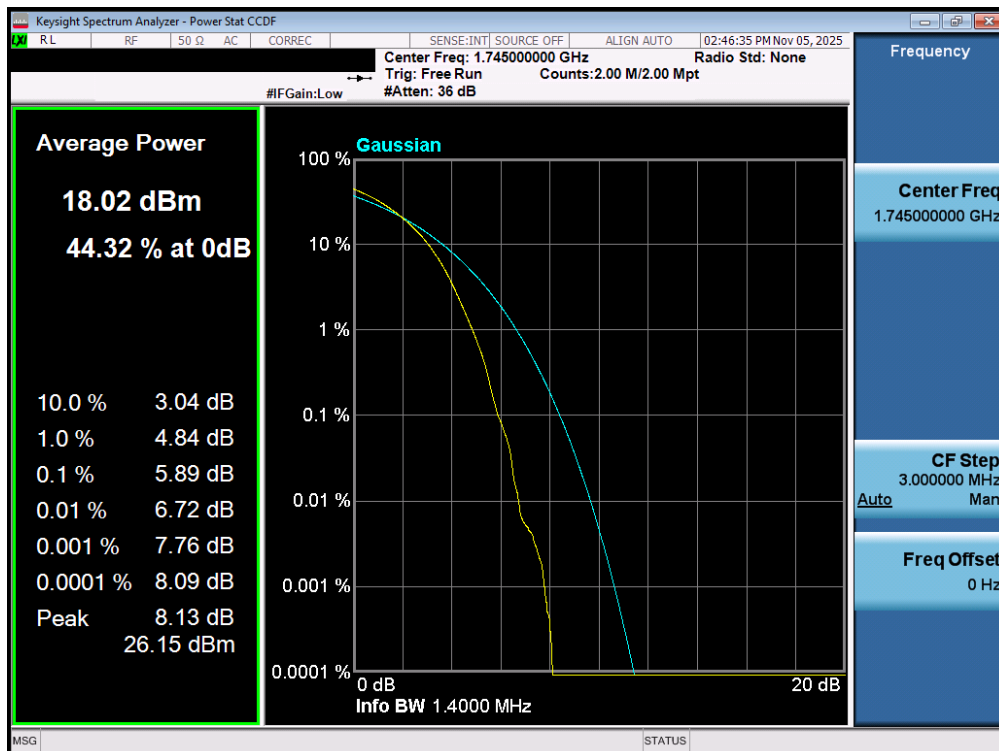


Plot 7-172. PAR Plot (LTE Band 66/4 - 5MHz 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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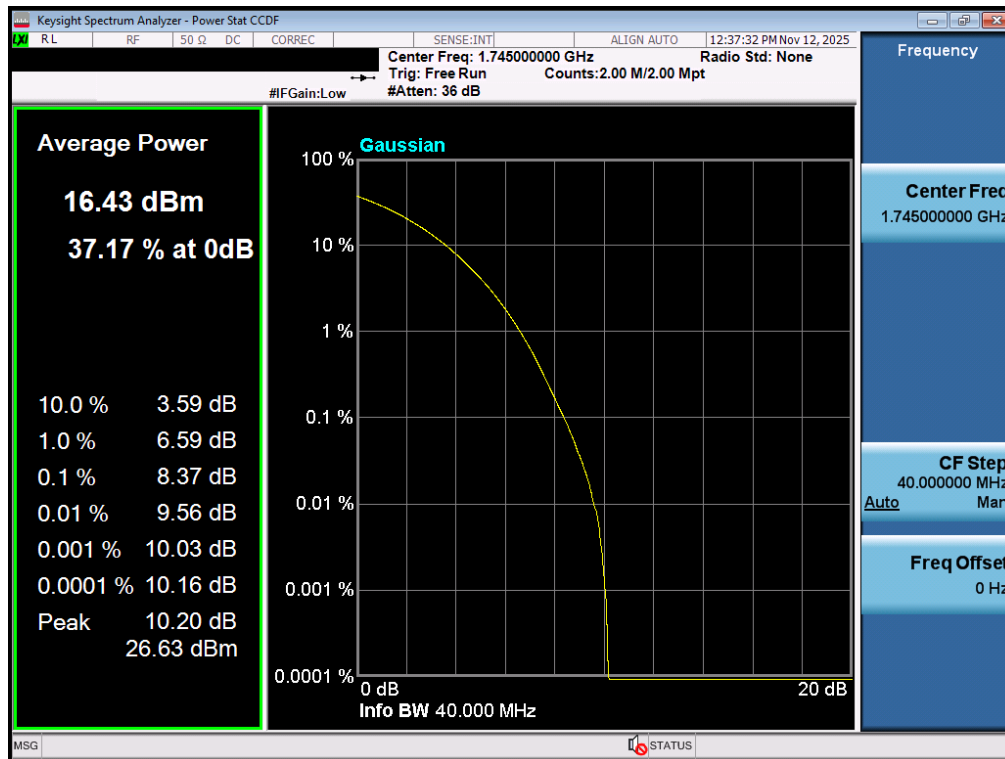
Plot 7-173. PAR Plot (LTE Band 66/4 - 3MHz 256-QAM - Full RB - ANT2)



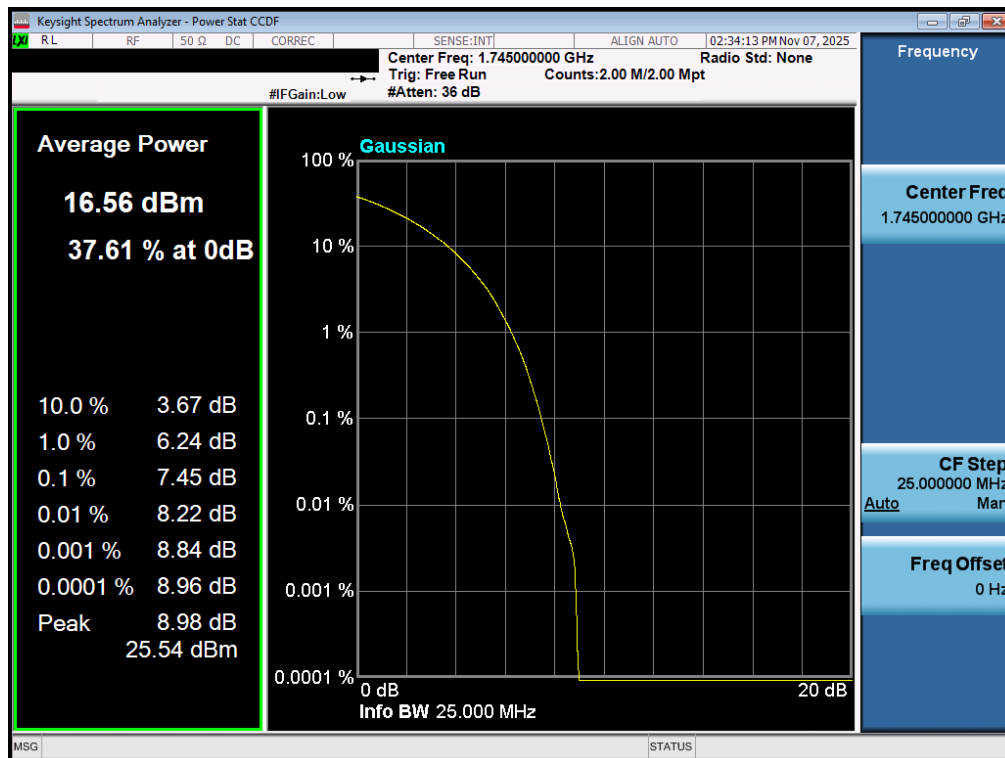
Plot 7-174. PAR Plot (LTE Band 66/4 - 1.4MHz 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – ANT2

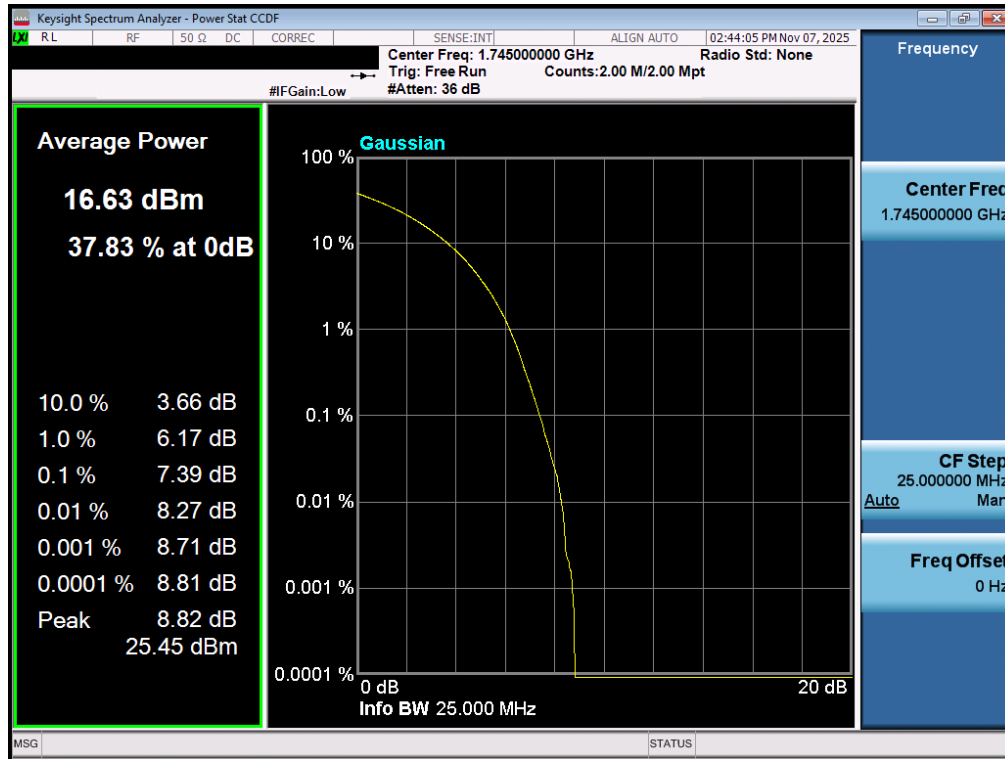


Plot 7-175. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

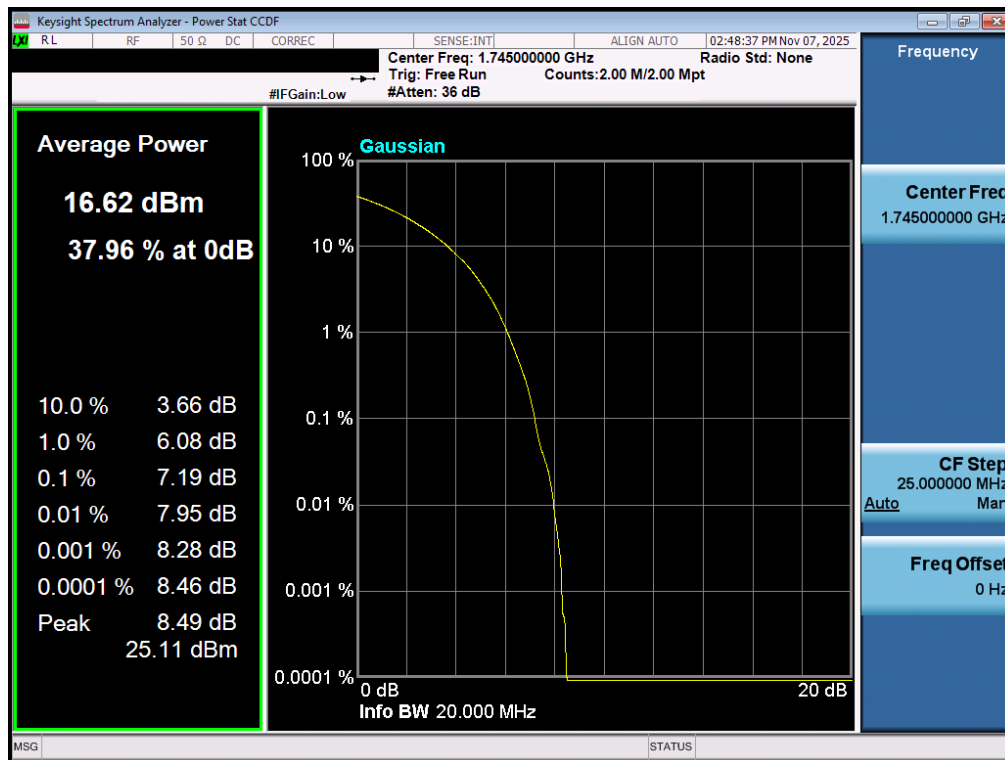


Plot 7-176. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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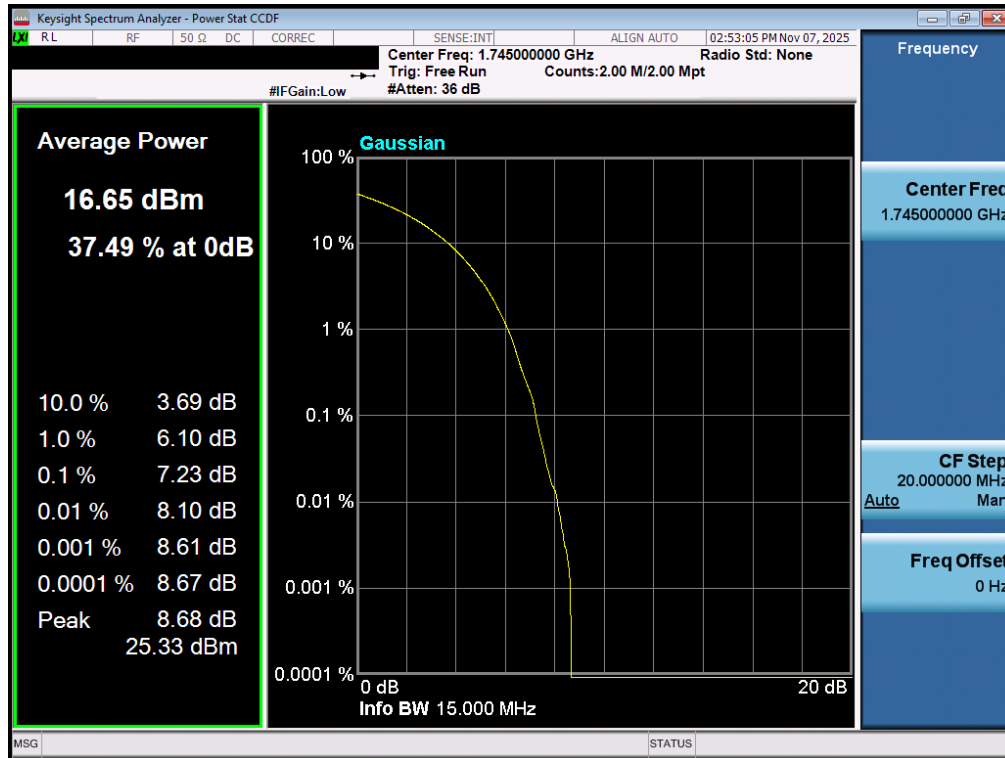


Plot 7-177. PAR Plot (NR Band n66 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

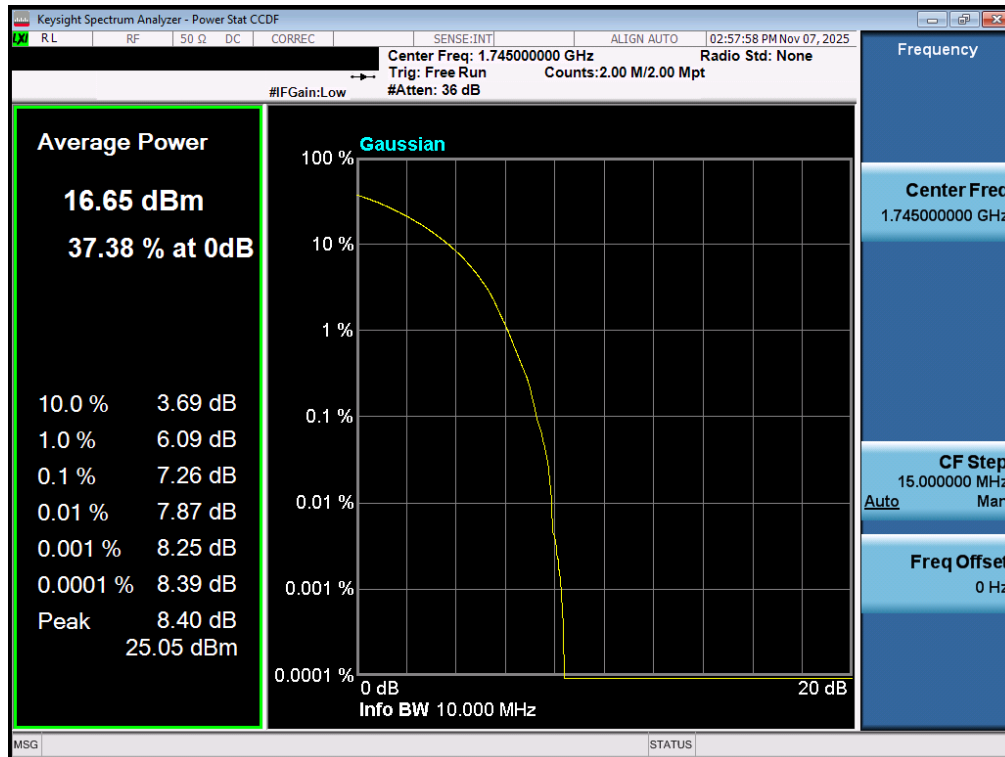


Plot 7-178. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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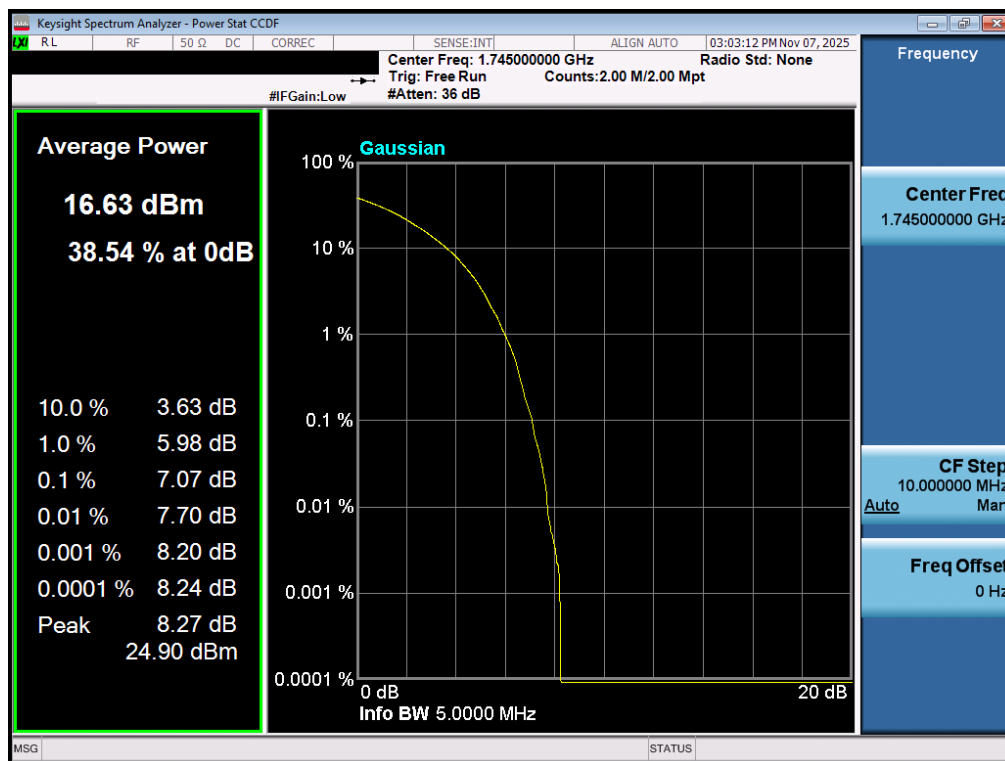


Plot 7-179. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT2)



Plot 7-180. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-181. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

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7.7 Radiated Power (ERP/EIRP)

Test Overview

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

Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5% of the expected OBW, 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".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
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.

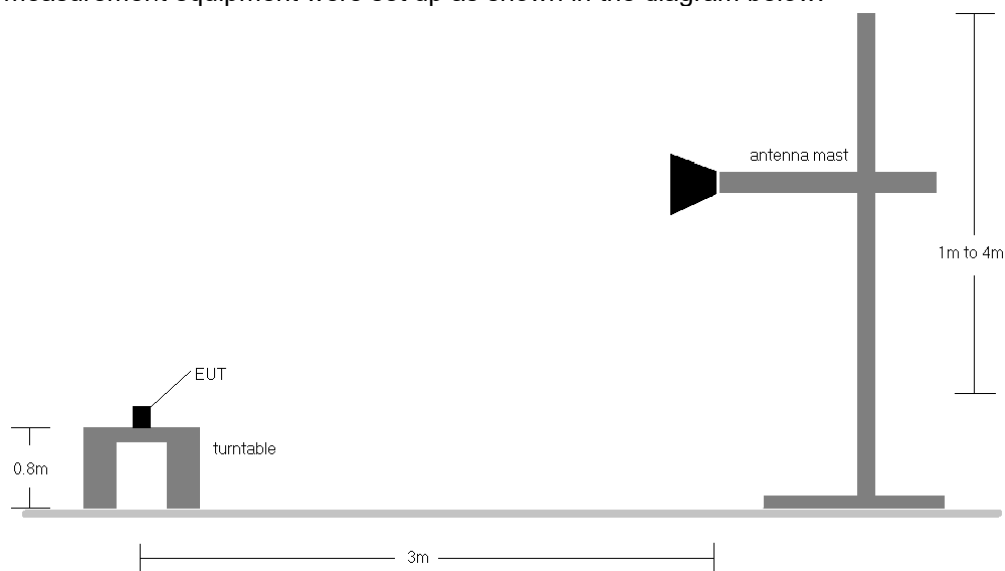


Figure 7-6. Radiated Test Setup <1GHz

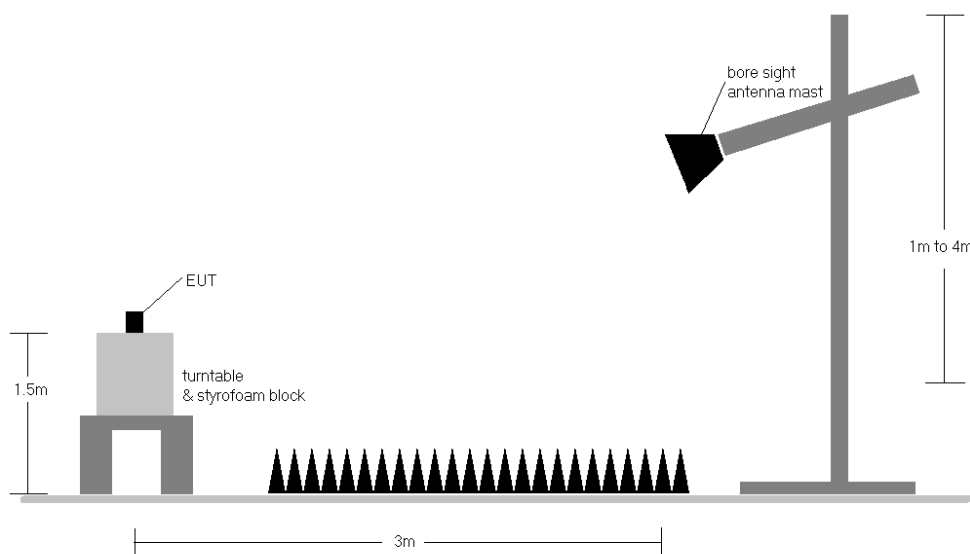


Figure 7-7. Radiated Test Setup >1GHz

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Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This 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) This unit was tested with its standard battery.
- 4) 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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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]
1712.40	WCDMA1700	V	147	209	20.06	2.88	22.94	0.197	30.00	-7.06
1732.60	WCDMA1700	V	150	211	19.52	2.92	22.44	0.175	30.00	-7.56
1752.60	WCDMA1700	V	150	206	18.84	2.96	21.80	0.151	30.00	-8.20
1712.40	WCDMA1700	H	143	172	18.87	2.86	21.73	0.149	30.00	-8.27

Table 7-24. EIRP Data (WCDMA AWS) – 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]
10 MHz	QPSK	704.00	V	175	278	1.12	1 / 49	20.73	19.70	0.093	34.77	-15.07
	QPSK	707.50	V	165	281	1.14	1 / 49	21.76	20.75	0.119	34.77	-14.02
	QPSK	711.00	V	175	293	1.17	1 / 49	21.58	20.60	0.115	34.77	-14.17
	16-QAM	711.00	V	175	293	1.17	1 / 49	20.86	19.88	0.097	34.77	-14.89
5 MHz	QPSK	701.50	V	175	278	1.10	1 / 24	20.69	19.64	0.092	34.77	-15.13
	QPSK	707.50	V	165	281	1.14	1 / 0	21.82	20.81	0.121	34.77	-13.96
	QPSK	713.50	V	175	293	1.19	1 / 0	21.50	20.54	0.113	34.77	-14.23
	16-QAM	713.50	V	175	293	1.19	1 / 0	21.06	20.11	0.102	34.77	-14.67
3 MHz	QPSK	700.50	V	175	278	1.09	1 / 0	20.68	19.62	0.092	34.77	-15.15
	QPSK	707.50	V	165	281	1.14	1 / 0	21.76	20.75	0.119	34.77	-14.02
	QPSK	714.50	V	175	293	1.20	1 / 7	21.44	20.49	0.112	34.77	-14.28
	16-QAM	707.50	V	165	281	1.14	1 / 7	20.97	19.97	0.099	34.77	-14.80
1.4 MHz	QPSK	699.70	V	175	278	1.08	1 / 5	20.66	19.59	0.091	34.77	-15.18
	QPSK	707.50	V	165	281	1.14	1 / 0	21.81	20.81	0.120	34.77	-13.97
	QPSK	715.30	V	175	293	1.21	1 / 0	21.02	20.08	0.102	34.77	-14.69
	16-QAM	707.50	V	165	281	1.14	1 / 0	20.80	19.79	0.095	34.77	-14.98
10 MHz	Opposite Pol.	707.50	H	133	271	1.17	1 / 49	20.58	19.60	0.091	34.77	-15.17

Table 7-25. ERP Data (LTE Band 12/17) – 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]
10 MHz	QPSK	782.00	H	235	274	1.09	1 / 25	19.69	18.63	0.073	34.77	-16.15
	16-QAM	782.00	H	235	274	1.09	1 / 25	19.07	18.01	0.063	34.77	-16.77
5 MHz	QPSK	779.50	H	235	274	1.11	1 / 24	19.70	18.66	0.073	34.77	-16.11
	QPSK	782.00	H	235	274	1.09	1 / 24	19.64	18.57	0.072	34.77	-16.20
	QPSK	784.50	H	235	274	1.06	1 / 12	19.66	18.57	0.072	34.77	-16.20
	16-QAM	782.00	H	235	274	1.09	1 / 12	19.31	18.25	0.067	34.77	-16.53
10 MHz	Opposite Pol.	782.00	V	153	264	1.09	1 / 25	19.31	18.25	0.067	34.77	-16.53

Table 7-26. ERP Data (LTE Band 13) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.00	V	156	323	2.90	1 / 99	20.20	23.10	0.204	30.00	-6.90
	QPSK	1745.00	V	153	319	2.94	1 / 0	21.49	24.43	0.277	30.00	-5.57
	QPSK	1770.00	V	149	314	3.02	1 / 0	19.46	22.48	0.177	30.00	-7.52
	16-QAM	1745.00	V	153	319	2.94	1 / 0	20.73	23.67	0.233	30.00	-6.33
15 MHz	QPSK	1717.50	V	156	323	2.89	1 / 74	20.18	23.08	0.203	30.00	-6.92
	QPSK	1745.00	V	153	319	2.94	1 / 37	21.53	24.48	0.280	30.00	-5.52
	QPSK	1772.50	V	149	314	3.03	1 / 0	19.39	22.41	0.174	30.00	-7.59
	16-QAM	1745.00	V	153	319	2.94	1 / 74	20.84	23.78	0.239	30.00	-6.22
10 MHz	QPSK	1715.00	V	156	323	2.89	1 / 49	20.27	23.16	0.207	30.00	-6.84
	QPSK	1745.00	V	153	319	2.94	1 / 49	21.54	24.49	0.281	30.00	-5.51
	QPSK	1775.00	V	149	314	3.04	1 / 0	19.58	22.62	0.183	30.00	-7.38
	16-QAM	1745.00	V	153	319	2.94	1 / 25	20.86	23.80	0.240	30.00	-6.20
5 MHz	QPSK	1712.50	V	156	323	2.88	1 / 24	20.20	23.08	0.203	30.00	-6.92
	QPSK	1745.00	V	153	319	2.94	1 / 24	21.58	24.52	0.283	30.00	-5.48
	QPSK	1777.50	V	149	314	3.05	1 / 24	19.44	22.48	0.177	30.00	-7.52
	16-QAM	1745.00	V	153	319	2.94	1 / 24	21.02	23.96	0.249	30.00	-6.04
3 MHz	QPSK	1711.50	V	156	323	2.88	1 / 14	20.14	23.03	0.201	30.00	-6.97
	QPSK	1745.00	V	153	319	2.94	1 / 14	21.64	24.58	0.287	30.00	-5.42
	QPSK	1778.50	V	149	314	3.05	1 / 14	19.45	22.50	0.178	30.00	-7.50
	16-QAM	1745.00	V	153	319	2.94	1 / 7	21.09	24.03	0.253	30.00	-5.97
1.4 MHz	QPSK	1710.70	V	156	323	2.88	1 / 3	19.96	22.85	0.193	30.00	-7.15
	QPSK	1745.00	V	153	319	2.94	1 / 3	21.49	24.43	0.277	30.00	-5.57
	QPSK	1779.30	V	149	314	3.05	1 / 0	19.35	22.40	0.174	30.00	-7.60
	16-QAM	1745.00	V	153	319	2.94	1 / 5	20.91	23.85	0.243	30.00	-6.15
20 MHz	Opposite Pol.	1745.00	H	133	154	2.94	1 / 0	20.55	23.49	0.224	30.00	-6.51

Table 7-27. EIRP Data (LTE Band 66/4) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
40 MHz	$\pi/2$ BPSK	1730.00	H	180	163	2.86	1 / 121	20.79	23.65	0.232	30.00	-6.35
	$\pi/2$ BPSK	1745.00	H	182	148	2.84	1 / 121	21.10	23.94	0.248	30.00	-6.06
	$\pi/2$ BPSK	1760.00	H	178	178	2.81	1 / 1	21.28	24.09	0.257	30.00	-5.91
	QPSK	1730.00	H	180	163	2.86	1 / 121	20.64	23.50	0.224	30.00	-6.50
	QPSK	1745.00	H	182	148	2.84	1 / 121	20.86	23.70	0.235	30.00	-6.30
	QPSK	1760.00	H	178	178	2.81	1 / 1	21.30	24.11	0.258	30.00	-5.89
30 MHz	16-QAM	1760.00	H	178	178	2.81	1 / 1	20.21	23.02	0.201	30.00	-6.98
	$\pi/2$ BPSK	1725.00	H	180	163	2.87	1 / 80	20.79	23.66	0.232	30.00	-6.34
	$\pi/2$ BPSK	1745.00	H	182	148	2.84	1 / 80	21.34	24.18	0.262	30.00	-5.82
	$\pi/2$ BPSK	1765.00	H	178	178	2.80	1 / 80	21.22	24.02	0.253	30.00	-5.98
	QPSK	1725.00	H	180	163	2.87	1 / 1	20.63	23.50	0.224	30.00	-6.50
	QPSK	1745.00	H	182	148	2.84	1 / 158	20.78	23.62	0.230	30.00	-6.38
25 MHz	QPSK	1765.00	H	178	178	2.80	1 / 80	21.36	24.16	0.261	30.00	-5.84
	16-QAM	1725.00	H	180	163	2.87	1 / 80	20.08	22.95	0.197	30.00	-7.05
	$\pi/2$ BPSK	1722.5	H	180	163	2.87	1 / 1	20.82	23.69	0.234	30.00	-6.31
	$\pi/2$ BPSK	1745.0	H	182	148	2.84	1 / 131	21.00	23.84	0.242	30.00	-6.16
	$\pi/2$ BPSK	1767.5	H	178	178	2.80	1 / 66	21.20	23.99	0.251	30.00	-6.01
	QPSK	1722.5	H	180	163	2.87	1 / 1	20.73	23.60	0.229	30.00	-6.40
20 MHz	QPSK	1745.0	H	182	148	2.84	1 / 131	20.60	23.44	0.221	30.00	-6.56
	QPSK	1767.5	H	178	178	2.80	1 / 66	21.30	24.09	0.257	30.00	-5.91
	16-QAM	1722.5	H	180	163	2.87	1 / 1	20.16	23.03	0.201	30.00	-6.97
	$\pi/2$ BPSK	1720.00	H	180	163	2.88	1 / 1	20.89	23.76	0.238	30.00	-6.24
	$\pi/2$ BPSK	1745.00	H	182	148	2.84	1 / 104	21.44	24.28	0.268	30.00	-5.72
	$\pi/2$ BPSK	1770.00	H	178	178	2.79	1 / 53	21.28	24.07	0.255	30.00	-5.93
15 MHz	QPSK	1720.00	H	180	163	2.88	1 / 1	20.78	23.65	0.232	30.00	-6.35
	QPSK	1745.00	H	182	148	2.84	1 / 104	21.11	23.95	0.249	30.00	-6.05
	QPSK	1770.00	H	178	178	2.79	1 / 53	21.42	24.21	0.264	30.00	-5.79
	16-QAM	1720.00	H	180	163	2.88	1 / 53	20.23	23.10	0.204	30.00	-6.90
	$\pi/2$ BPSK	1717.50	H	180	163	2.88	1 / 1	20.91	23.79	0.240	30.00	-6.21
	$\pi/2$ BPSK	1745.00	H	182	148	2.84	1 / 77	21.44	24.28	0.268	30.00	-5.72
10 MHz	$\pi/2$ BPSK	1772.50	H	178	178	2.78	1 / 39	21.33	24.11	0.258	30.00	-5.89
	QPSK	1717.50	H	180	163	2.88	1 / 1	20.67	23.55	0.227	30.00	-6.45
	QPSK	1745.00	H	182	148	2.84	1 / 77	21.11	23.95	0.249	30.00	-6.05
	QPSK	1772.50	H	178	178	2.78	1 / 39	21.45	24.23	0.265	30.00	-5.77
	16-QAM	1717.50	H	180	163	2.88	1 / 1	20.28	23.16	0.207	30.00	-6.84
	$\pi/2$ BPSK	1715.00	H	180	163	2.88	1 / 1	21.04	23.92	0.247	30.00	-6.08
5 MHz	$\pi/2$ BPSK	1745.00	H	182	148	2.84	1 / 50	21.40	24.24	0.266	30.00	-5.76
	$\pi/2$ BPSK	1775.00	H	178	178	2.78	1 / 26	21.57	24.34	0.272	30.00	-5.66
	QPSK	1715.00	H	180	163	2.88	1 / 1	20.96	23.84	0.242	30.00	-6.16
	QPSK	1745.00	H	182	148	2.84	1 / 50	21.07	23.91	0.246	30.00	-6.09
	QPSK	1775.00	H	178	178	2.78	1 / 26	21.58	24.35	0.272	30.00	-5.65
	16-QAM	1715.00	H	180	163	2.88	1 / 26	20.42	23.30	0.214	30.00	-6.70
40 MHz	$\pi/2$ BPSK	1712.50	H	180	163	2.89	1 / 12	21.12	24.00	0.251	30.00	-6.00
	$\pi/2$ BPSK	1745.00	H	182	148	2.84	1 / 12	21.44	24.28	0.268	30.00	-5.72
	$\pi/2$ BPSK	1777.50	H	178	178	2.77	1 / 12	21.61	24.38	0.274	30.00	-5.62
	QPSK	1712.50	H	180	163	2.89	1 / 12	20.95	23.83	0.242	30.00	-6.17
	QPSK	1745.00	H	182	148	2.84	1 / 12	21.14	23.98	0.250	30.00	-6.02
	QPSK	1777.50	H	178	178	2.77	1 / 12	21.76	24.53	0.284	30.00	-5.47
40 MHz	16-QAM	1712.50	H	180	163	2.89	1 / 12	20.39	23.27	0.213	30.00	-6.73
	QPSK (CP-OFDM)	1760.00	H	178	178	2.82	1 / 121	19.73	22.55	0.180	30.00	-7.45
40 MHz	QPSK (Opposite Pol.)	1760.00	V	152	321	2.98	1 / 1	17.11	20.09	0.102	30.00	-9.91

Table 7-28. EIRP Data (NR Band n66) – Ant1

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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]
10 MHz	QPSK	704.00	V	152	297	1.12	1 / 49	18.77	17.74	0.059	34.77	-17.03
	QPSK	707.50	V	149	306	1.14	1 / 49	19.34	18.33	0.068	34.77	-16.44
	QPSK	711.00	V	152	292	1.17	1 / 49	19.39	18.41	0.069	34.77	-16.36
	16-QAM	707.50	V	149	306	1.14	1 / 49	18.44	17.43	0.055	34.77	-17.34
5 MHz	QPSK	701.50	V	152	297	1.10	1 / 12	18.69	17.63	0.058	34.77	-17.14
	QPSK	707.50	V	149	306	1.14	1 / 0	19.33	18.32	0.068	34.77	-16.45
	QPSK	713.50	V	152	292	1.19	1 / 0	19.34	18.39	0.069	34.77	-16.39
	16-QAM	713.50	V	152	292	1.19	1 / 12	18.66	17.70	0.059	34.77	-17.07
3 MHz	QPSK	700.50	V	152	297	1.09	1 / 0	18.71	17.65	0.058	34.77	-17.12
	QPSK	707.50	V	149	306	1.14	1 / 14	19.32	18.32	0.068	34.77	-16.46
	QPSK	714.50	V	152	292	1.20	1 / 0	19.42	18.47	0.070	34.77	-16.30
	16-QAM	707.50	V	149	306	1.14	1 / 7	18.60	17.59	0.057	34.77	-17.18
1.4 MHz	QPSK	699.70	V	152	297	1.08	1 / 0	18.78	17.71	0.059	34.77	-17.06
	QPSK	707.50	V	149	306	1.14	1 / 5	19.27	18.27	0.067	34.77	-16.50
	QPSK	715.30	V	152	292	1.21	1 / 0	19.17	18.23	0.066	34.77	-16.54
	16-QAM	707.50	V	149	306	1.14	1 / 0	18.55	17.55	0.057	34.77	-17.22
10 MHz	Opposite Pol.	711.00	H	134	249	1.17	1 / 49	18.68	17.70	0.059	34.77	-17.07

Table 7-29. ERP Data (LTE Band 12/17) – Ant2

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]
10 MHz	QPSK	782.00	H	250	231	1.09	1 / 49	17.85	16.79	0.048	34.77	-17.99
	16-QAM	782.00	H	250	231	1.09	1 / 49	17.04	15.98	0.040	34.77	-18.80
5 MHz	QPSK	779.50	H	250	231	1.11	1 / 24	17.87	16.83	0.048	34.77	-17.94
	QPSK	782.00	H	250	231	1.09	1 / 12	17.85	16.79	0.048	34.77	-17.98
	QPSK	784.50	H	250	231	1.06	1 / 0	17.82	16.73	0.047	34.77	-18.04
	16-QAM	782.00	H	250	231	1.09	1 / 12	17.35	16.29	0.043	34.77	-18.48
10 MHz	Opposite Pol.	782.00	V	140	308	-0.89	1 / 49	16.25	13.21	0.021	34.77	-21.56

Table 7-30. ERP Data (LTE Band 13) – Ant2

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.00	H	315	347	2.88	1 / 0	17.62	20.50	0.112	30.00	-9.50
	QPSK	1745.00	H	309	337	2.84	1 / 0	18.37	21.21	0.132	30.00	-8.79
	QPSK	1770.00	H	312	359	2.79	1 / 0	16.52	19.31	0.085	30.00	-10.69
	16-QAM	1745.00	H	309	337	2.84	1 / 0	17.34	20.18	0.104	30.00	-9.82
15 MHz	QPSK	1717.50	H	315	347	2.88	1 / 74	17.76	20.65	0.116	30.00	-9.35
	QPSK	1745.00	H	309	337	2.84	1 / 37	18.46	21.30	0.135	30.00	-8.70
	QPSK	1772.50	H	312	359	2.78	1 / 37	16.31	19.10	0.081	30.00	-10.90
	16-QAM	1745.00	H	309	337	2.84	1 / 37	17.51	20.36	0.109	30.00	-9.64
10 MHz	QPSK	1715.00	H	315	347	2.88	1 / 49	17.77	20.65	0.116	30.00	-9.35
	QPSK	1745.00	H	309	337	2.84	1 / 49	18.36	21.20	0.132	30.00	-8.80
	QPSK	1775.00	H	312	359	2.78	1 / 0	16.11	18.89	0.077	30.00	-11.11
	16-QAM	1745.00	H	309	337	2.84	1 / 49	17.39	20.24	0.106	30.00	-9.76
5 MHz	QPSK	1712.50	H	315	347	2.89	1 / 24	17.62	20.51	0.112	30.00	-9.49
	QPSK	1745.00	H	309	337	2.84	1 / 12	18.55	21.40	0.138	30.00	-8.60
	QPSK	1777.50	H	312	359	2.77	1 / 24	16.18	18.95	0.079	30.00	-11.05
	16-QAM	1745.00	H	309	337	2.84	1 / 24	17.56	20.40	0.110	30.00	-9.60
3 MHz	QPSK	1711.50	H	315	347	2.89	1 / 14	17.75	20.64	0.116	30.00	-9.36
	QPSK	1745.00	H	309	337	2.84	1 / 0	18.48	21.32	0.136	30.00	-8.68
	QPSK	1778.50	H	312	359	2.77	1 / 14	16.17	18.94	0.078	30.00	-11.06
	16-QAM	1745.00	H	309	337	2.84	1 / 14	17.44	20.28	0.107	30.00	-9.72
1.4 MHz	QPSK	1710.70	H	315	347	2.89	1 / 5	17.60	20.49	0.112	30.00	-9.51
	QPSK	1745.00	H	309	337	2.84	1 / 0	18.47	21.31	0.135	30.00	-8.69
	QPSK	1779.30	H	312	359	2.77	1 / 0	15.95	18.72	0.074	30.00	-11.28
	16-QAM	1745.00	H	309	337	2.84	1 / 5	17.41	20.26	0.106	30.00	-9.74
20 MHz	Opposite Pol.	1745.00	V	156	17	2.84	1 / 99	17.32	20.16	0.104	30.00	-9.84

Table 7-31. EIRP Data (LTE Band 66/4) – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
40 MHz	$\pi/2$ BPSK	1730.00	V	116	205	2.92	1 / 1	18.39	21.31	0.135	30.00	-8.69
	$\pi/2$ BPSK	1745.00	V	120	204	2.94	1 / 158	18.50	21.44	0.139	30.00	-8.56
	$\pi/2$ BPSK	1760.00	V	109	212	2.99	1 / 1	19.33	22.32	0.170	30.00	-7.68
	QPSK	1730.00	V	116	205	2.92	1 / 1	18.24	21.16	0.130	30.00	-8.84
	QPSK	1745.00	V	120	204	2.94	1 / 80	18.26	21.20	0.132	30.00	-8.80
	QPSK	1760.00	V	109	212	2.99	1 / 1	18.92	21.91	0.155	30.00	-8.09
30 MHz	16-QAM	1760.00	V	109	212	2.99	1 / 1	18.14	21.13	0.130	30.00	-8.87
	$\pi/2$ BPSK	1725.00	V	116	205	2.91	1 / 80	18.39	21.30	0.135	30.00	-8.70
	$\pi/2$ BPSK	1745.00	V	120	204	2.94	1 / 80	18.84	21.78	0.151	30.00	-8.22
	$\pi/2$ BPSK	1765.00	V	109	212	3.00	1 / 80	19.21	22.22	0.167	30.00	-7.78
	QPSK	1725.00	V	116	205	2.91	1 / 80	18.30	21.21	0.132	30.00	-8.79
	QPSK	1745.00	V	120	204	2.94	1 / 1	18.33	21.27	0.134	30.00	-8.73
25 MHz	QPSK	1765.00	V	109	212	3.00	1 / 1	18.92	21.93	0.156	30.00	-8.07
	16-QAM	1765.00	V	109	212	3.00	1 / 80	18.15	21.16	0.131	30.00	-8.84
	$\pi/2$ BPSK	1722.5	V	116	205	2.90	1 / 66	18.37	21.28	0.134	30.00	-8.72
	$\pi/2$ BPSK	1745.0	V	120	204	2.94	1 / 66	18.80	21.74	0.149	30.00	-8.26
	$\pi/2$ BPSK	1767.5	V	109	212	3.01	1 / 66	19.17	22.19	0.165	30.00	-7.81
	QPSK	1722.5	V	116	205	2.90	1 / 66	18.19	21.10	0.129	30.00	-8.90
20 MHz	QPSK	1745.0	V	120	204	2.94	1 / 66	18.43	21.37	0.137	30.00	-8.63
	QPSK	1767.5	V	109	212	3.01	1 / 1	18.84	21.86	0.153	30.00	-8.14
	16-QAM	1767.5	V	109	212	3.01	1 / 66	18.12	21.14	0.130	30.00	-8.86
	$\pi/2$ BPSK	1720.00	V	116	205	2.90	1 / 53	18.33	21.23	0.133	30.00	-8.77
	$\pi/2$ BPSK	1745.00	V	120	204	2.94	1 / 53	18.78	21.72	0.149	30.00	-8.28
	$\pi/2$ BPSK	1770.00	V	109	212	3.02	1 / 53	19.09	22.11	0.162	30.00	-7.89
15 MHz	QPSK	1720.00	V	116	205	2.90	1 / 53	18.22	21.12	0.129	30.00	-8.88
	QPSK	1745.00	V	120	204	2.94	1 / 1	18.31	21.25	0.133	30.00	-8.75
	QPSK	1770.00	V	109	212	3.02	1 / 1	18.76	21.78	0.151	30.00	-8.22
	16-QAM	1770.00	V	109	212	3.02	1 / 1	18.01	21.03	0.127	30.00	-8.97
	$\pi/2$ BPSK	1717.50	V	116	205	2.89	1 / 39	18.34	21.24	0.133	30.00	-8.76
	$\pi/2$ BPSK	1745.00	V	120	204	2.94	1 / 39	18.84	21.78	0.151	30.00	-8.22
10 MHz	$\pi/2$ BPSK	1772.50	V	109	212	3.03	1 / 39	18.97	22.00	0.158	30.00	-8.00
	QPSK	1717.50	V	116	205	2.89	1 / 39	18.30	21.20	0.132	30.00	-8.80
	QPSK	1745.00	V	120	204	2.94	1 / 39	18.43	21.37	0.137	30.00	-8.63
	QPSK	1772.50	V	109	212	3.03	1 / 1	18.66	21.69	0.147	30.00	-8.31
	16-QAM	1772.50	V	109	212	3.03	1 / 1	17.89	20.92	0.123	30.00	-9.08
	$\pi/2$ BPSK	1715.00	V	116	205	2.89	1 / 26	18.41	21.30	0.135	30.00	-8.70
5 MHz	$\pi/2$ BPSK	1745.00	V	120	204	2.94	1 / 26	18.78	21.72	0.149	30.00	-8.28
	$\pi/2$ BPSK	1775.00	V	109	212	3.04	1 / 26	19.08	22.12	0.163	30.00	-7.88
	QPSK	1715.00	V	116	205	2.89	1 / 26	18.33	21.22	0.132	30.00	-8.78
	QPSK	1745.00	V	120	204	2.94	1 / 1	18.27	21.21	0.132	30.00	-8.79
	QPSK	1775.00	V	109	212	3.04	1 / 1	18.70	21.74	0.149	30.00	-8.26
	16-QAM	1775.00	V	109	212	3.04	1 / 26	17.98	21.02	0.126	30.00	-8.98
5 MHz	$\pi/2$ BPSK	1712.50	V	116	205	2.88	1 / 12	18.18	21.07	0.128	30.00	-8.93
	$\pi/2$ BPSK	1745.00	V	120	204	2.94	1 / 12	18.82	21.76	0.150	30.00	-8.24
	$\pi/2$ BPSK	1777.50	V	109	212	3.05	1 / 12	18.99	22.04	0.160	30.00	-7.96
	QPSK	1712.50	V	116	205	2.88	1 / 12	18.28	21.17	0.131	30.00	-8.83
	QPSK	1745.00	V	120	204	2.94	1 / 12	18.42	21.36	0.137	30.00	-8.64
	QPSK	1777.50	V	109	212	3.05	1 / 12	18.70	21.75	0.149	30.00	-8.25
5 MHz	16-QAM	1777.50	V	109	212	3.05	1 / 12	17.78	20.83	0.121	30.00	-9.17

Table 7-32. EIRP Data (NR Band n66) – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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.

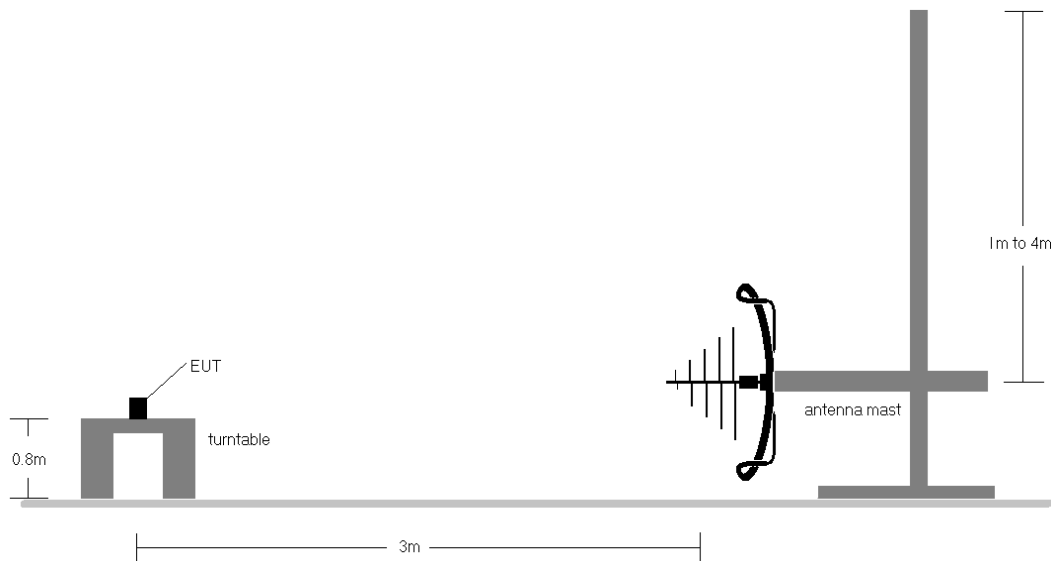


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

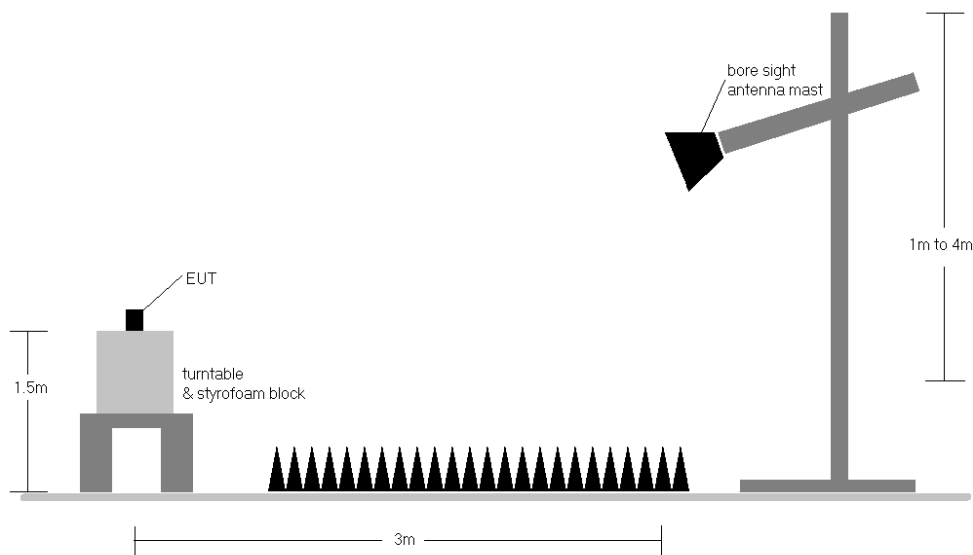


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

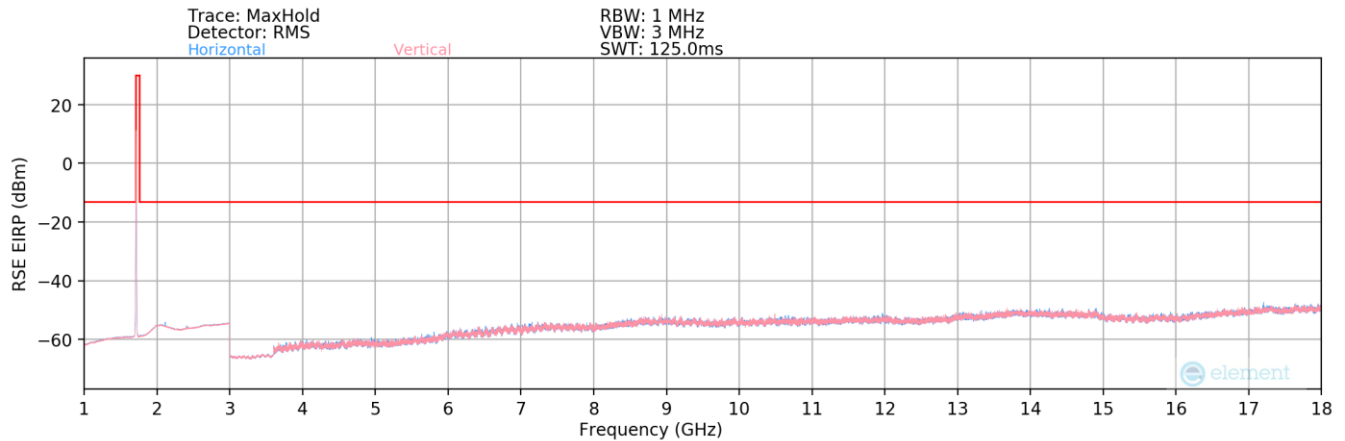
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Test Notes

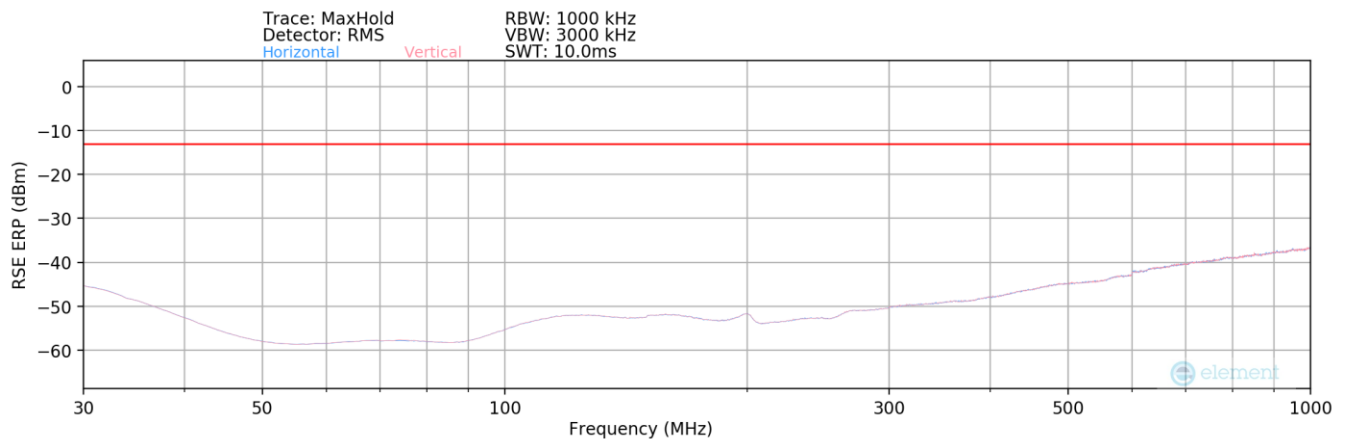
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m})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

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WCDMA AWS – Ant1



Plot 7-182. Radiated Spurious Plot (WCDMA AWS) – Ant1



Plot 7-183. Radiated Spurious Plot (WCDMA AWS) – Ant1

Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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]
138.99	H	-	-	-81.94	19.78	44.84	-52.56	-13.00	-39.56
254.59	H	-	-	-79.90	18.99	46.09	-51.32	-13.00	-38.32
340.44	H	-	-	-80.95	21.90	47.95	-49.46	-13.00	-36.46
749.74	H	-	-	-77.99	29.41	58.42	-38.99	-13.00	-25.99
984.73	H	-	-	-77.18	31.85	61.67	-35.74	-13.00	-22.74

Table 7-33. Radiated Spurious Data (WCDMA-AWS) – Ant1

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Mode:	WCDMA RMC
Channel:	1312
Frequency (MHz):	1712.4

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]
3424.80	H	-	-	-77.30	0.28	29.98	-65.28	-13.00	-52.28
5137.20	H	-	-	-78.72	3.32	31.60	-63.65	-13.00	-50.65
6849.60	H	-	-	-78.34	8.81	37.47	-57.78	-13.00	-44.78
8562.00	H	-	-	-79.18	11.00	38.82	-56.44	-13.00	-43.44

Table 7-34. Radiated Spurious Data (WCDMA-AWS – Low Channel) – Ant1

Mode:	WCDMA RMC
Channel:	1413
Frequency (MHz):	1732.6

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]
3465.20	H	-	-	-77.38	0.13	29.75	-65.51	-13.00	-52.51
5197.80	H	-	-	-78.48	3.38	31.90	-63.36	-13.00	-50.36
6930.40	H	-	-	-78.22	8.37	37.15	-58.11	-13.00	-45.11
8663.00	H	-	-	-79.17	11.49	39.32	-55.94	-13.00	-42.94

Table 7-35. Radiated Spurious Data (WCDMA-AWS – Mid Channel) – Ant1

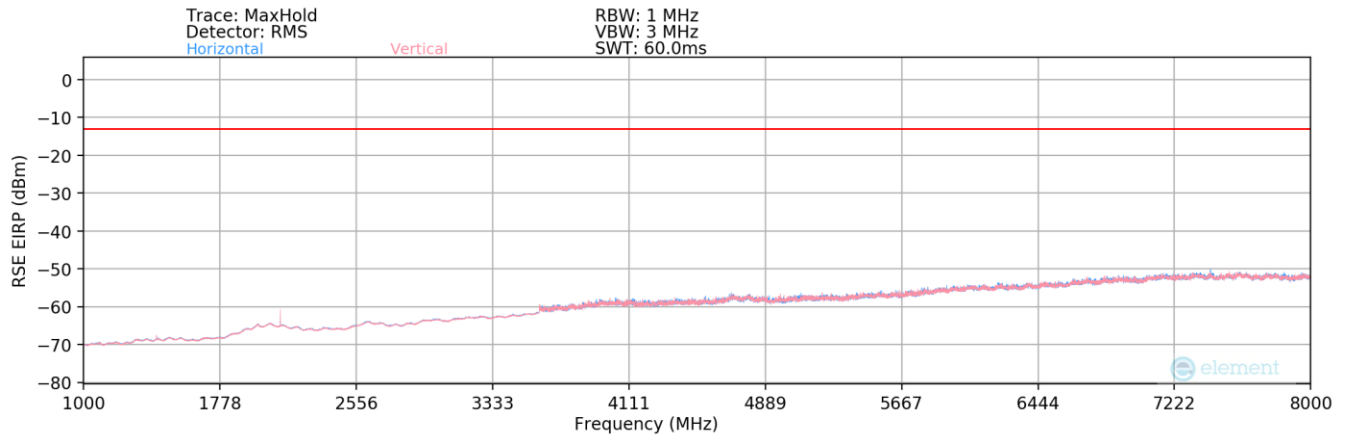
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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]
3505.20	H	-	-	-77.37	0.06	29.69	-65.57	-13.00	-52.57
5257.80	H	-	-	-78.02	3.24	32.22	-63.04	-13.00	-50.04
7010.40	H	-	-	-78.30	7.93	36.63	-58.63	-13.00	-45.63
8763.00	H	-	-	-79.18	11.00	38.82	-56.44	-13.00	-43.44

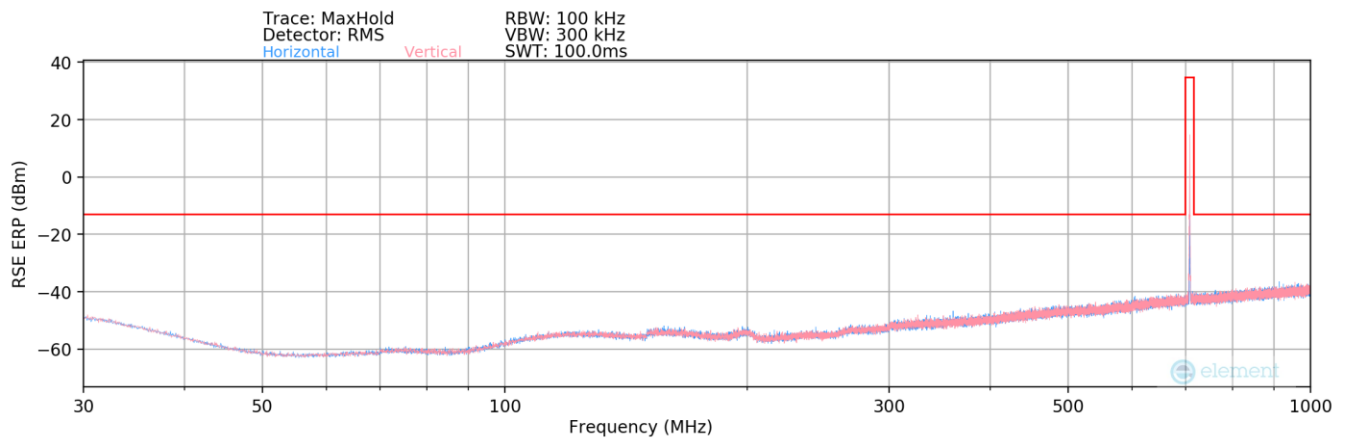
Table 7-36. Radiated Spurious Data (WCDMA-AWS– High Channel) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17 – Ant1



Plot 7-184. Radiated Spurious Plot (LTE Band 12/17) – Ant1



Plot 7-185. Radiated Spurious Plot (LTE Band 12/17) – Ant1

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
217.30	H	-	-	-79.43	17.87	45.44	-51.97	-13.00	-38.97
323.35	H	-	-	-78.39	21.63	50.24	-47.17	-13.00	-34.17
355.40	H	-	-	-77.57	22.28	51.71	-45.69	-13.00	-32.69
462.70	H	-	-	-78.20	25.17	53.97	-43.44	-13.00	-30.44
990.65	H	-	-	-76.27	32.07	62.80	-34.61	-13.00	-21.61

Table 7-37. Radiated Spurious Data (LTE Band 12/17) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	704
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.00	H	390	95	-68.49	-7.04	31.47	-63.79	-13.00	-50.79
2112.00	H	-	-	-73.64	-2.89	30.47	-64.79	-13.00	-51.79
2816.00	H	-	-	-73.69	-3.05	30.26	-64.99	-13.00	-51.99
3520.00	H	131	5	-72.76	-0.36	33.88	-61.38	-13.00	-48.38
4224.00	H	-	-	-73.47	1.50	35.03	-60.23	-13.00	-47.23

Table 7-38. Radiated Spurious Data (LTE Band 12/17 – Low Channel) – Ant1

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	170	22	-72.26	-7.01	-72.26	-63.79	-13.00	-50.79
2122.50	H	151	103	-69.39	-2.94	-69.39	-63.79	-13.00	-50.79
2830.00	H	-	-	-73.71	-2.81	-73.71	-64.79	-13.00	-51.79
3537.50	H	-	-	-73.54	-0.25	-73.54	-64.99	-13.00	-51.99
4245.00	H	-	-	-73.94	1.57	-73.94	-61.38	-13.00	-48.38
4952.50	H	-	-	-74.11	2.60	-74.11	-60.23	-13.00	-47.23

Table 7-39. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant1

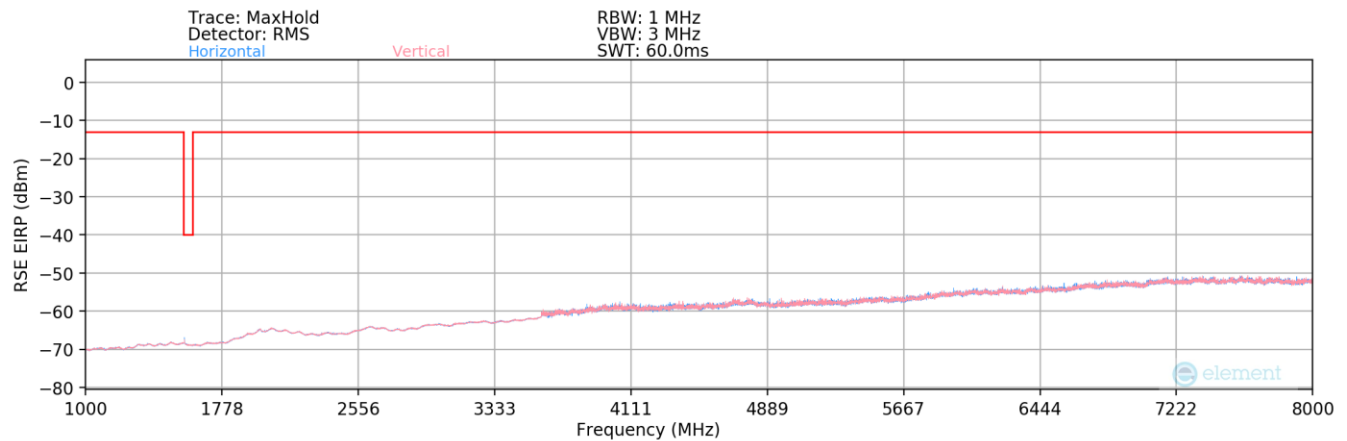
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	H	307	267	-68.70	-6.99	31.31	-63.95	-13.00	-50.95
2133.00	H	330	283	-72.78	-3.00	31.22	-64.04	-13.00	-51.04
2844.00	H	-	-	-74.13	-2.71	30.16	-65.10	-13.00	-52.10
3555.00	H	196	262	-71.38	-0.15	35.47	-59.79	-13.00	-46.79
4266.00	H	-	-	-73.94	1.70	34.76	-60.50	-13.00	-47.50
4977.00	H	-	-	-74.10	2.62	35.52	-59.74	-13.00	-46.74

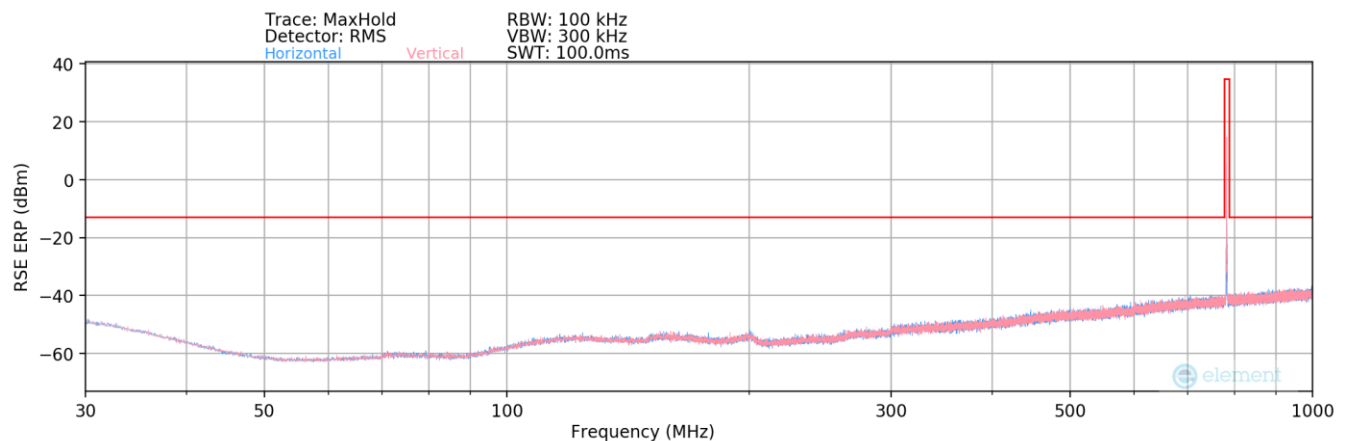
Table 7-40. Radiated Spurious Data (LTE Band 12/17 – High Channel) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant1



Plot 7-186. Radiated Spurious Plot (LTE Band 13) – Ant1



Plot 7-187. Radiated Spurious Plot (LTE Band 13) – Ant1

Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
316.05	V	-	-	-78.81	21.58	49.77	-47.64	-13.00	-34.64
409.85	V	-	-	-78.43	23.62	52.19	-45.22	-13.00	-32.22
549.70	V	-	-	-78.06	26.41	55.35	-42.05	-13.00	-29.05
636.85	V	-	-	-77.31	27.95	57.64	-39.77	-13.00	-26.77
959.10	V	-	-	-76.88	31.86	61.98	-35.43	-13.00	-22.43

Table 7-41. Radiated Spurious Data (LTE Band 13) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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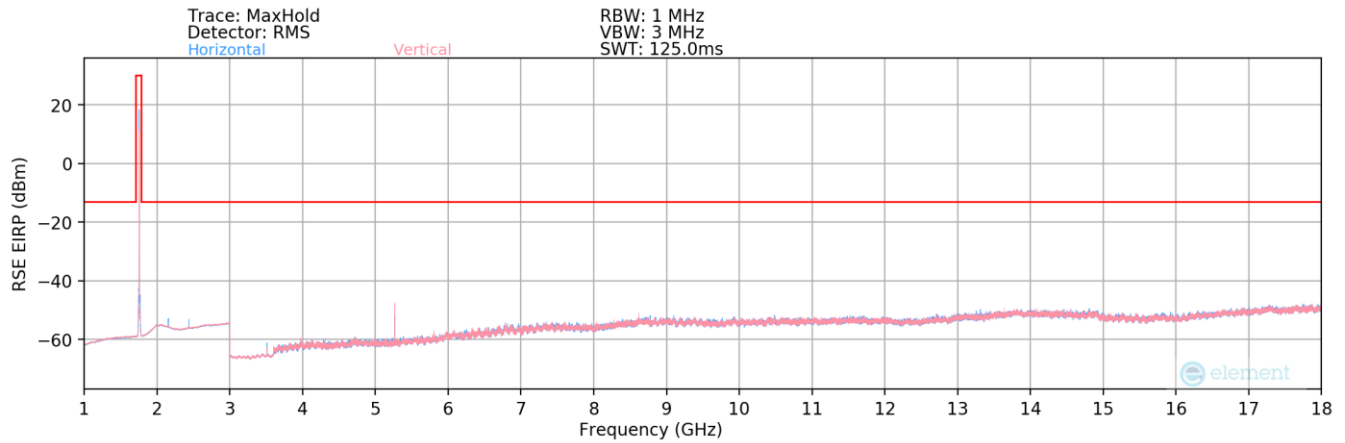
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	V	122	106	-71.53	-6.81	28.66	-66.60	-40.00	-26.60
2346.00	V	139	199	-73.22	-4.05	29.73	-65.53	-13.00	-52.53
3128.00	V	-	-	-72.88	-1.75	32.37	-62.89	-13.00	-49.89
3910.00	V	-	-	-73.61	1.27	34.66	-60.60	-13.00	-47.60

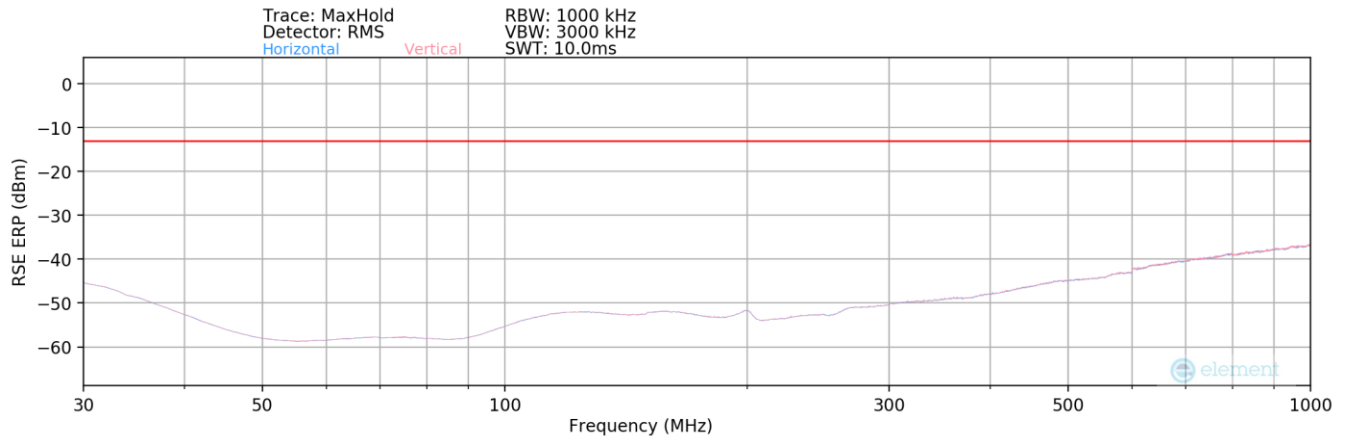
Table 7-42. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – Ant1



Plot 7-188. Radiated Spurious Plot (LTE Band 66/4) – Ant1



Plot 7-189. Radiated Spurious Plot (LTE Band 66/4) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	1745
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]
30.97	H	-	-	-83.25	26.63	50.38	-47.02	-13.00	-34.02
44.55	H	-	-	-82.48	17.08	41.60	-55.80	-13.00	-42.80
656.14	H	-	-	-78.06	28.13	57.07	-40.33	-13.00	-27.33
708.52	H	-	-	-78.04	29.05	58.01	-39.40	-13.00	-26.40
766.72	H	-	-	-77.89	29.44	58.55	-38.86	-13.00	-25.86
990.30	H	-	-	-78.12	32.06	60.94	-36.47	-13.00	-23.47

Table 7-43. Radiated Spurious Data (LTE Band 66/4) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	1720
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]
3440.00	H	167	29	-75.53	0.33	31.80	-63.46	-13.00	-50.46
5160.00	H	227	175	-66.49	3.24	43.75	-51.51	-13.00	-38.51
6880.00	H	-	-	-78.12	8.80	37.68	-57.58	-13.00	-44.58
8600.00	H	-	-	-78.63	11.52	39.89	-55.37	-13.00	-42.37

Table 7-44. Radiated Spurious Data (LTE Band 66/4 – Low Channel) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	1745
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]
3490.00	H	211	29	-75.07	0.06	31.99	-63.27	-13.00	-50.27
5235.00	H	187	167	-67.73	3.37	42.64	-52.62	-13.00	-39.62
6980.00	H	-	-	-77.89	7.96	37.07	-58.19	-13.00	-45.19
8725.00	H	302	76	-79.13	11.68	39.55	-55.71	-13.00	-42.71
10470.00	H	-	-	-79.84	12.70	39.86	-55.40	-13.00	-42.40

Table 7-45. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant1

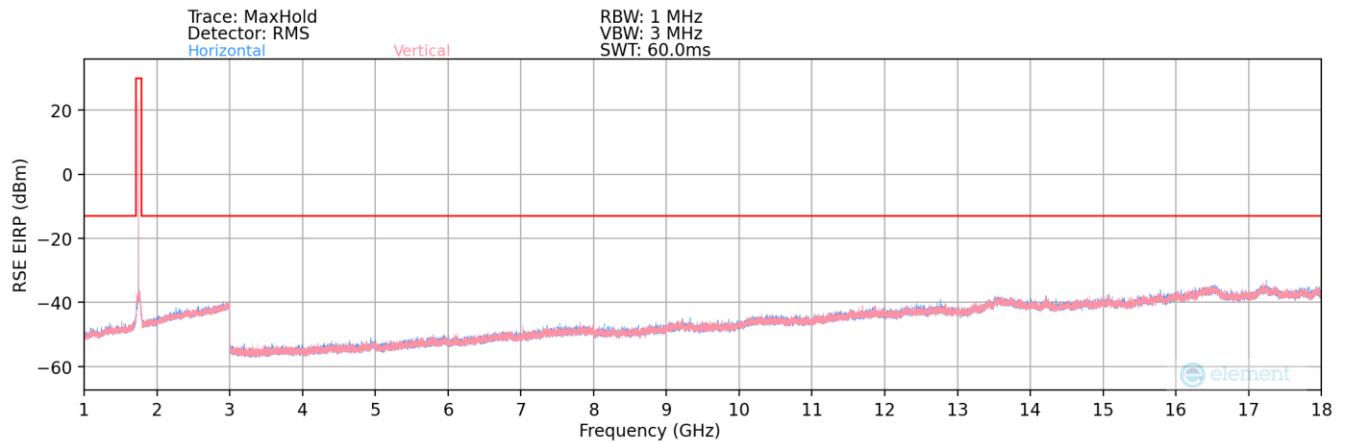
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

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]
3540.00	H	129	360	-74.26	-0.29	32.45	-62.80	-13.00	-49.80
5310.00	H	349	360	-65.35	3.22	44.87	-50.39	-13.00	-37.39
7080.00	H	162	360	-77.62	8.62	38.00	-57.26	-13.00	-44.26
8850.00	H	-	-	-78.73	11.64	39.91	-55.35	-13.00	-42.35
10620.00	H	-	-	-79.73	13.19	40.46	-54.80	-13.00	-41.80

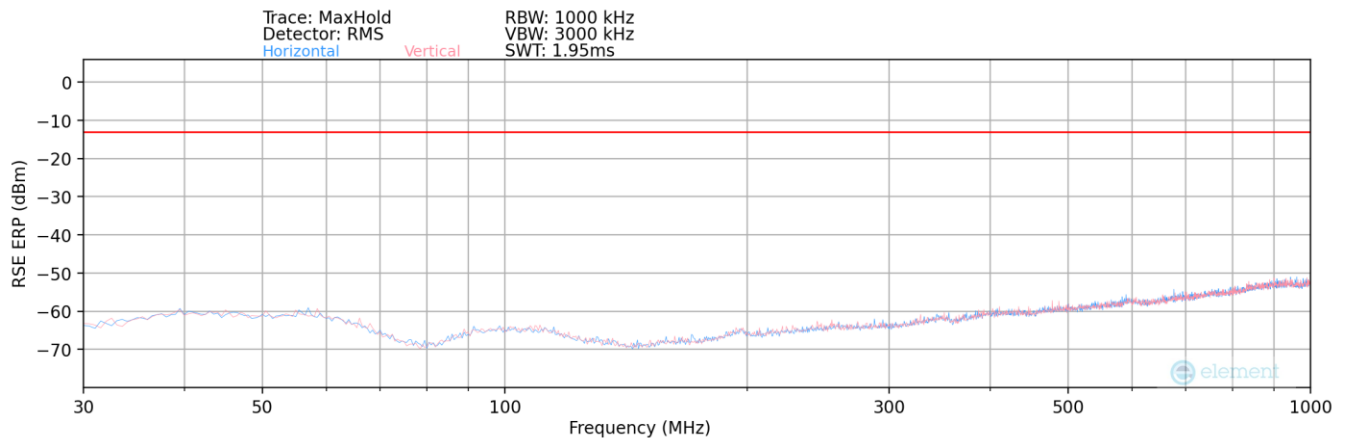
Table 7-46. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – Ant1



Plot 7-190. Radiated Spurious Plot (NR Band n66) – Ant1



Plot 7-191. Radiated Spurious Plot (NR Band n66) – Ant1

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 121
Detector / Trace Mode:	RMS / Average

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]
150.00	V	-	-	-80.83	-16.75	9.42	-87.99	-13.00	-74.99

Table 7-47. Radiated Spurious Data (NR Band n66) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	40
Frequency (MHz):	1730
RB / Offset:	1 / 121
Detector / Trace Mode:	RMS / Average

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]
3460.00	V	146	71	-76.69	7.02	37.33	-57.93	-13.00	-44.93
5190.00	V	-	-	-80.89	10.25	36.36	-58.90	-13.00	-45.90
6920.00	V	-	-	-81.95	13.67	38.72	-56.54	-13.00	-43.54
8650.00	V	-	-	-82.55	17.15	41.60	-53.66	-13.00	-40.66

Table 7-48. Radiated Spurious Data (NR Band n66 – Low Channel) – Ant1

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 121
Detector / Trace Mode:	RMS / Average

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]
3490.00	V	103	68	-76.76	7.15	37.39	-57.87	-13.00	-44.87
5235.00	V	-	-	-81.08	10.18	36.10	-59.16	-13.00	-46.16
6980.00	V	-	-	-81.80	13.95	39.15	-56.11	-13.00	-43.11
8725.00	V	-	-	-82.45	16.42	40.97	-54.29	-13.00	-41.29

Table 7-49. Radiated Spurious Data (NR Band n66 – Mid Channel) – Ant1

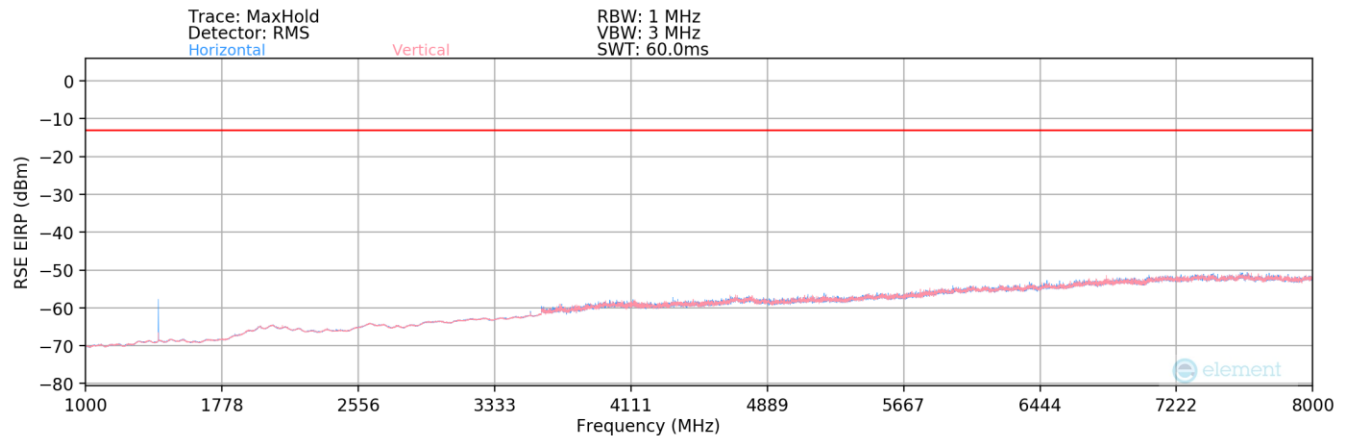
Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 121
Detector / Trace Mode:	RMS / Average

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]
3520.00	V	127	52	-76.84	7.13	37.29	-57.97	-13.00	-44.97
5280.00	V	-	-	-80.81	10.22	36.41	-58.85	-13.00	-45.85
7040.00	V	-	-	-82.27	14.84	39.57	-55.68	-13.00	-42.68
8800.00	V	-	-	-82.35	16.88	41.53	-53.73	-13.00	-40.73

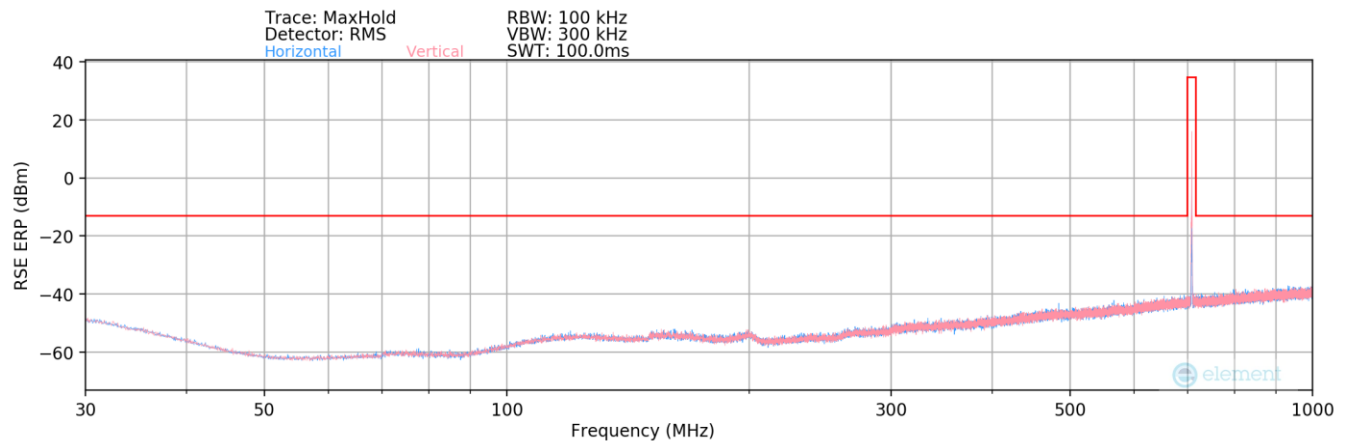
Table 7-50. Radiated Spurious Data (NR Band n66 – High Channel) – Ant1

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17 – Ant2



Plot 7-192. Radiated Spurious Plot (LTE Band 12/17) – Ant2



Plot 7-193. Radiated Spurious Plot (LTE Band 12/17) – Ant2

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
180.10	V	-	-	-79.45	18.62	46.17	-51.24	-13.00	-38.24
287.85	V	-	-	-79.05	20.88	48.83	-48.57	-13.00	-35.57
483.95	V	-	-	-78.46	25.72	54.26	-43.14	-13.00	-30.14
603.05	V	-	-	-76.69	27.12	57.43	-39.98	-13.00	-26.98
752.70	V	-	-	-76.70	29.32	59.62	-37.78	-13.00	-24.78
959.55	V	-	-	-76.83	31.85	62.02	-35.38	-13.00	-22.38

Table 7-51. Radiated Spurious Data (LTE Band 12/17) – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	704
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.00	H	189	219	-65.59	-7.04	34.37	-60.89	-13.00	-47.89
2112.00	H	121	297	-73.83	-2.89	30.28	-64.98	-13.00	-51.98
2816.00	H	-	-	-73.34	-3.05	30.61	-64.64	-13.00	-51.64
3520.00	H	131	141	-71.57	-0.36	35.07	-60.19	-13.00	-47.19
4224.00	H	-	-	-73.13	1.50	35.37	-59.89	-13.00	-46.89

Table 7-52. Radiated Spurious Data (LTE Band 12/17 – Low Channel) – Ant2

Bandwidth (MHz):	10
Frequency (MHz):	707.5
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	153	222	-62.90	-7.01	37.09	-58.17	-13.00	-45.17
2122.50	H	149	336	-73.43	-2.94	30.63	-64.63	-13.00	-51.63
2830.00	H	-	-	-73.35	-2.81	30.84	-64.42	-13.00	-51.42
3537.50	H	128	348	-71.16	-0.25	35.59	-59.66	-13.00	-46.66
4245.00	H	-	-	-74.19	1.57	34.38	-60.88	-13.00	-47.88

Table 7-53. Radiated Spurious Data (LTE Band 71 – Mid Channel) – Ant2

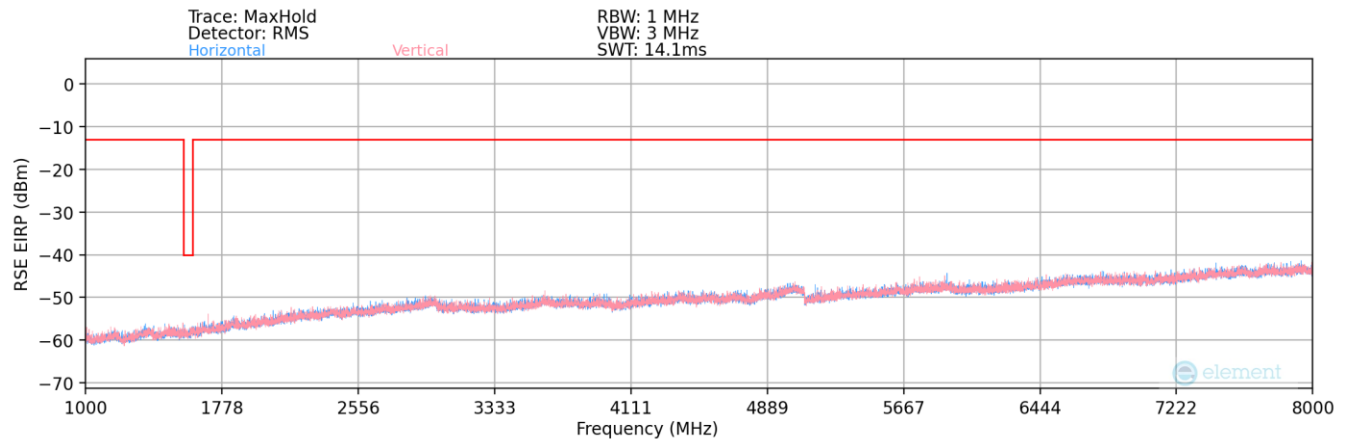
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	H	121	220	-60.30	-6.99	39.71	-55.55	-13.00	-42.55
2133.00	H	144	347	-73.04	-3.00	30.96	-64.30	-13.00	-51.30
2844.00	H	-	-	-73.80	-2.71	30.49	-64.77	-13.00	-51.77
3555.00	H	141	359	-70.22	-0.15	36.63	-58.63	-13.00	-45.63
4266.00	H	-	-	-74.65	1.70	34.05	-61.21	-13.00	-48.21

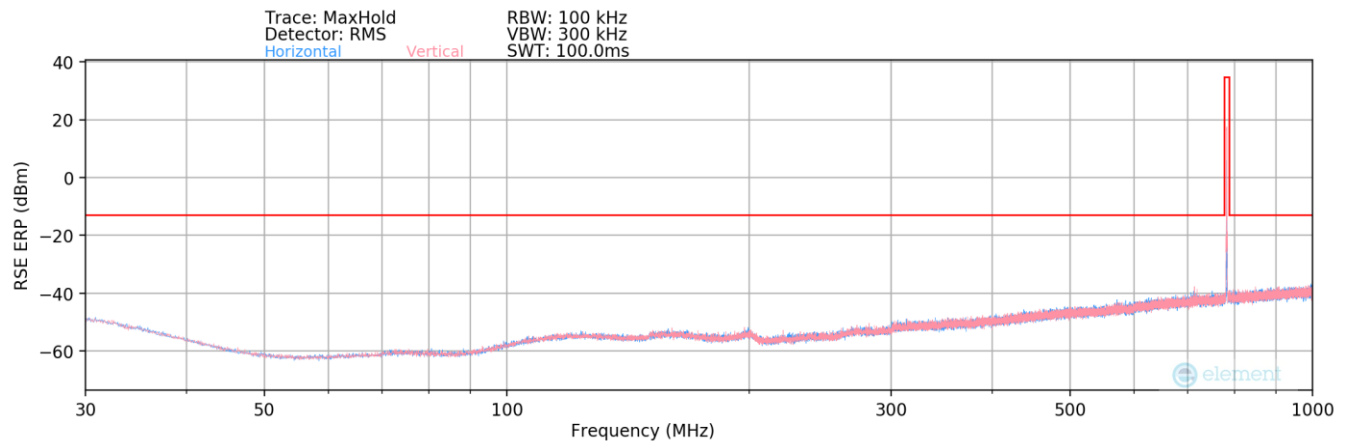
Table 7-54. Radiated Spurious Data (LTE Band 12/17 – High Channel) – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant2



Plot 7-194. Radiated Spurious Plot (LTE Band 13) – Ant2



Plot 7-195. Radiated Spurious Plot (LTE Band 13) – Ant2

Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
329.90	V	-	-	-77.70	21.71	51.01	-46.39	-13.00	-33.39
436.30	V	-	-	-77.97	24.56	53.59	-43.82	-13.00	-30.82
606.45	V	-	-	-77.46	27.11	56.65	-40.76	-13.00	-27.76
766.30	V	-	-	-75.94	29.44	60.50	-36.91	-13.00	-23.91
935.40	V	-	-	-76.68	31.59	61.91	-35.50	-13.00	-22.50

Table 7-55. Radiated Spurious Data (LTE Band 13) – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	V	-	-	-75.22	-6.81	24.97	-70.29	-40.00	-30.29
2346.00	V	216	291	-70.79	-4.05	32.16	-63.10	-13.00	-50.10
3128.00	V	-	-	-74.20	-1.75	31.05	-64.21	-13.00	-51.21
3910.00	V	-	-	-74.54	1.27	33.73	-61.53	-13.00	-48.53

Table 7-56. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant2

FCC ID: A3LSMA576B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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