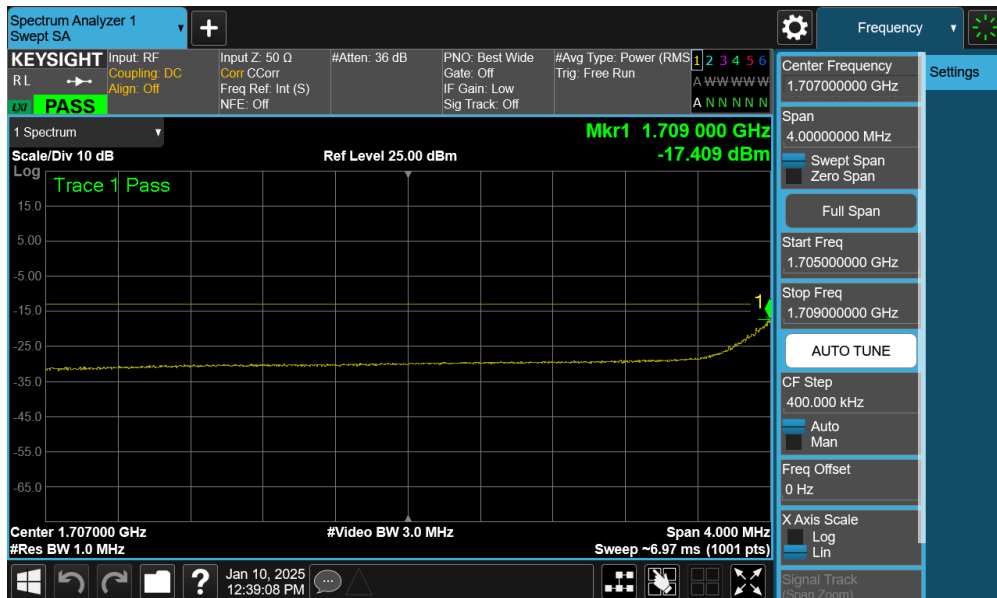
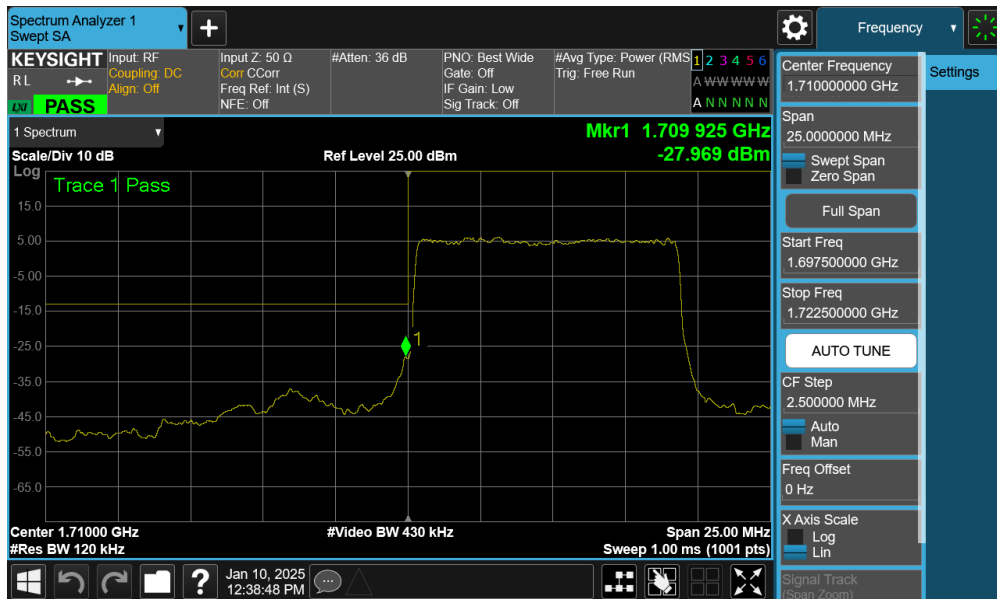
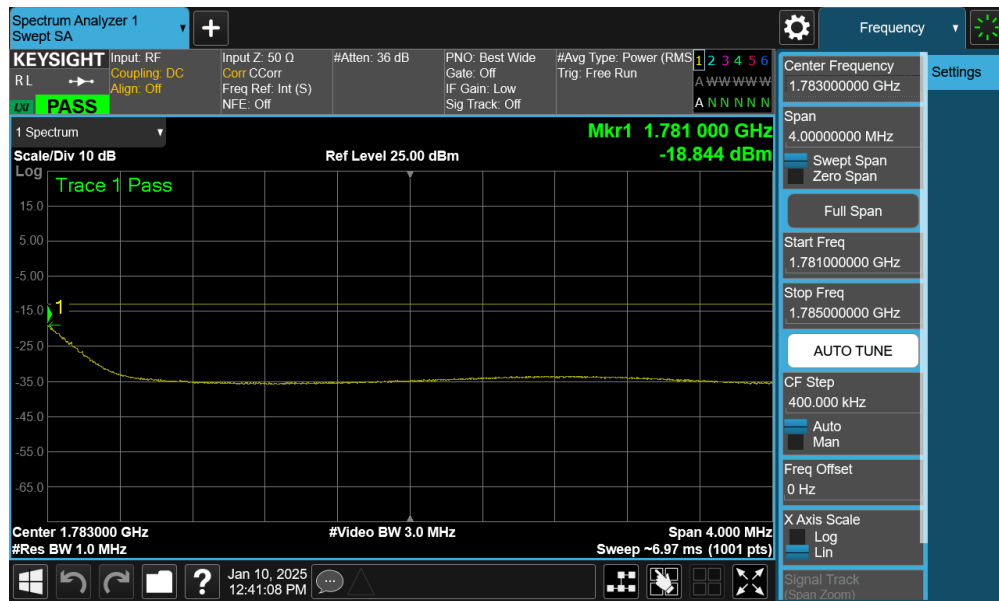
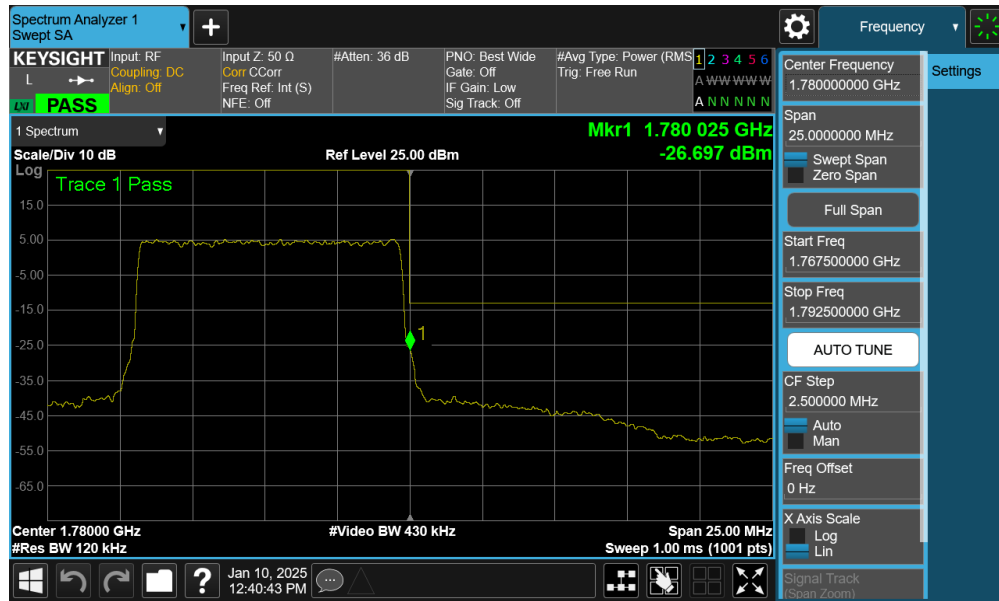


NR Band n66 – Ant2



FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 130 of 196

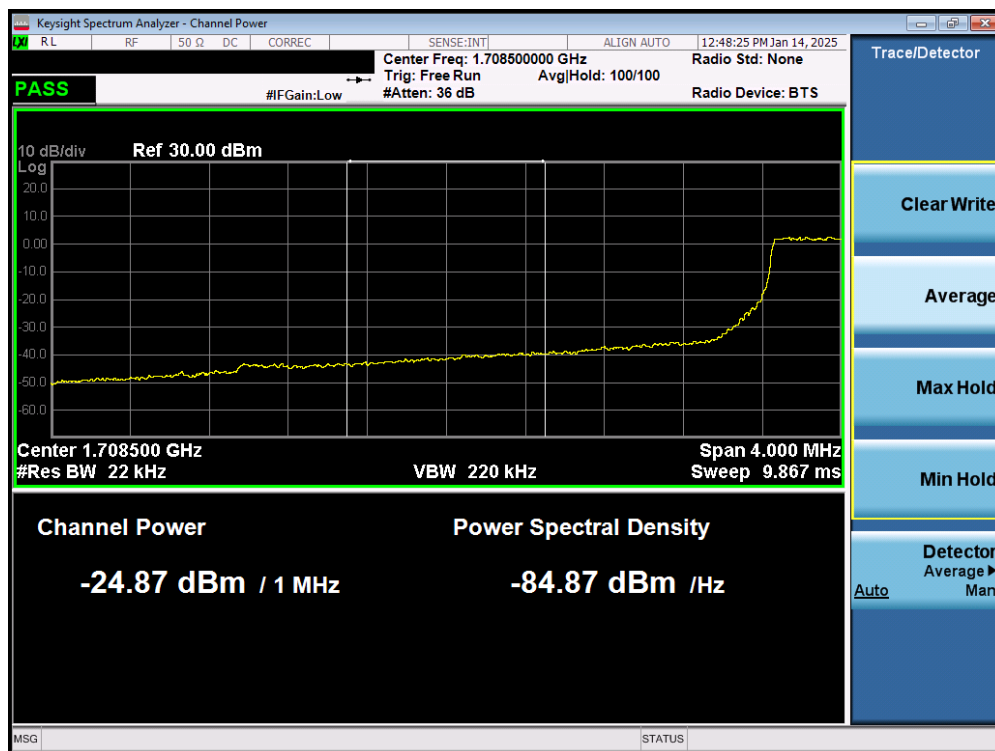


FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 131 of 196

LTE Band 66/4 – Ant4



Plot 7-185. Lower Band Edge Plot (LTE Band 66/4 - 3MHz QPSK – Full RB – Ant4)

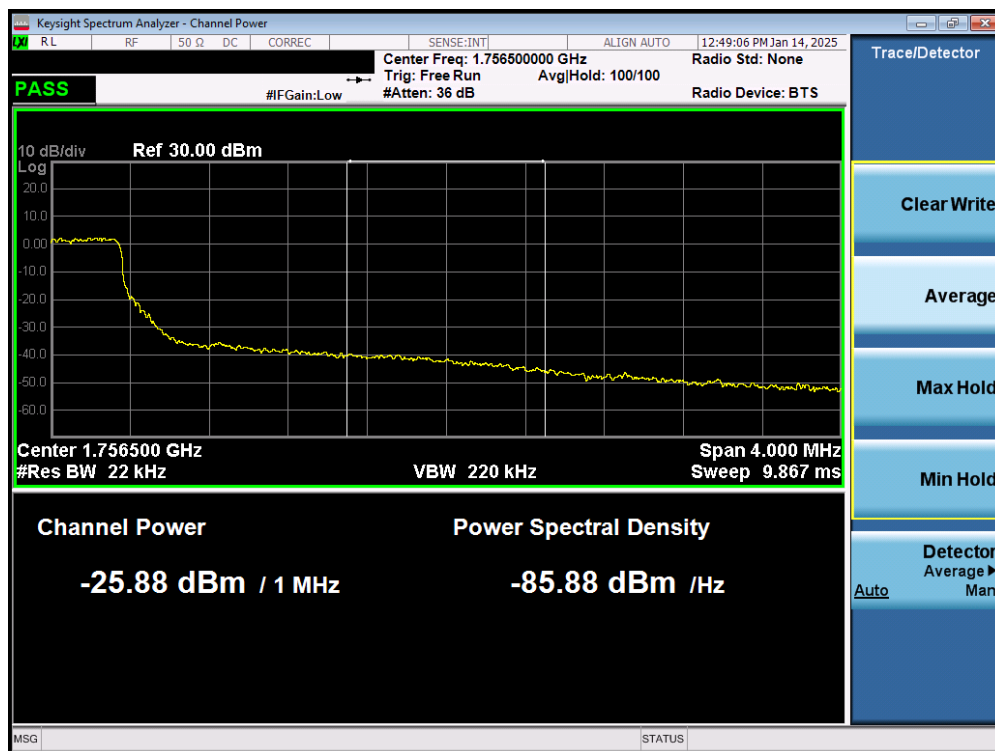


Plot 7-186. Lower Extended Band Edge Plot (LTE Band 66/4 - 3MHz QPSK – Full RB – Ant4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 132 of 196

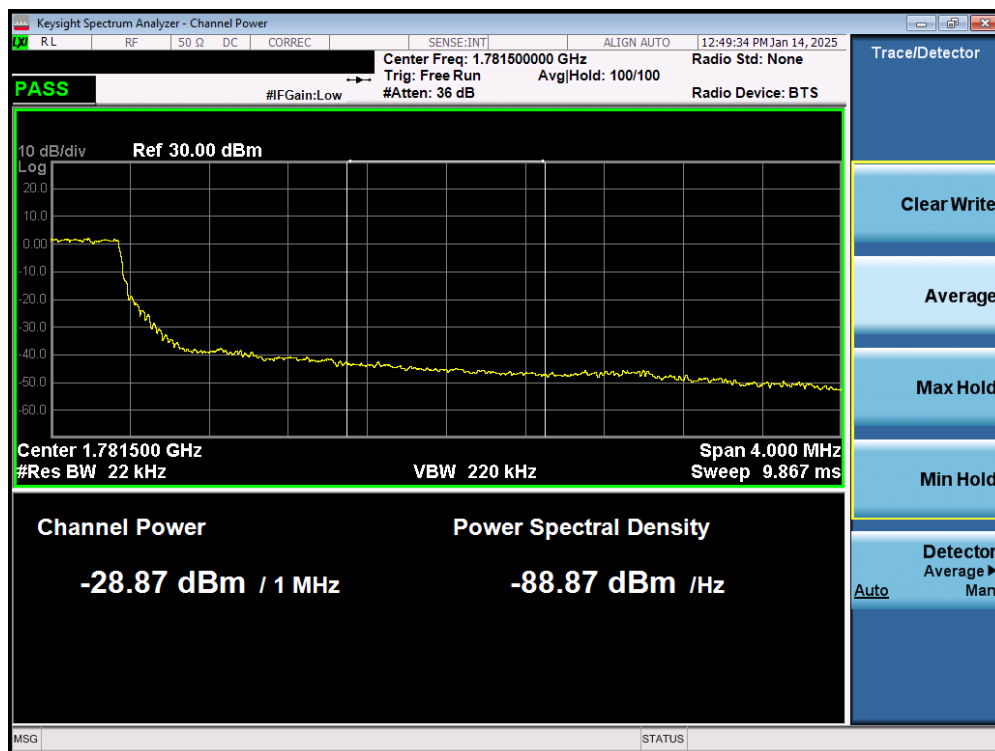


Plot 7-187. Upper Band Edge Plot (LTE Band 4 - 3MHz QPSK – Full RB – Ant4)



Plot 7-188. Upper Extended Band Edge Plot (LTE Band 4 - 3MHz QPSK – Full RB – Ant4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 133 of 196



FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 134 of 196

NR Band n70 – Ant4



Plot 7-191. Lower Band Edge Plot (NR Band n70 – 10.0MHz - Full RB – Ant4)



Plot 7-192. Lower Extended Band Edge Plot (NR Band n70 – 10.0MHz - Full RB – Ant4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 135 of 196



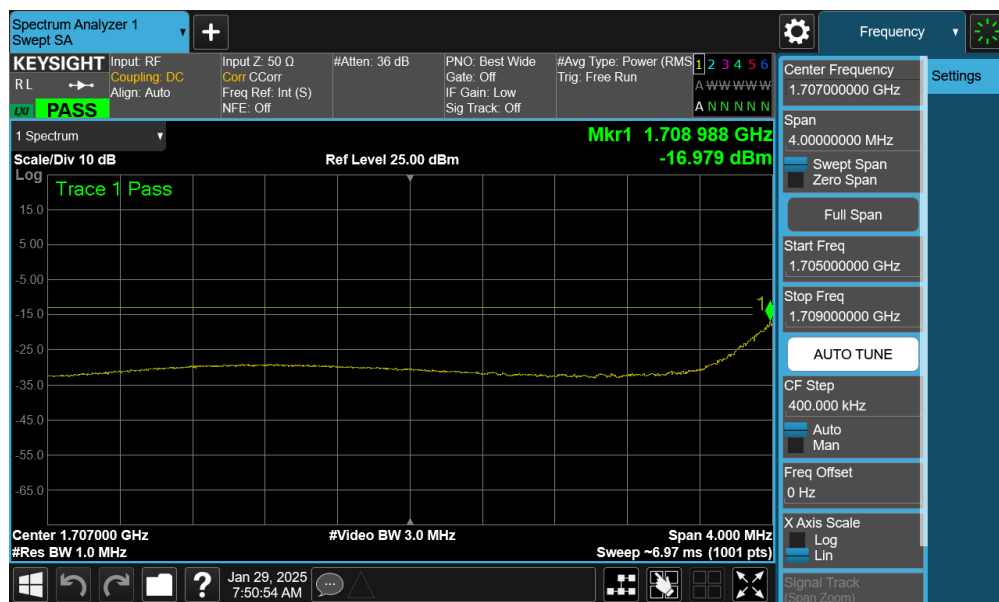
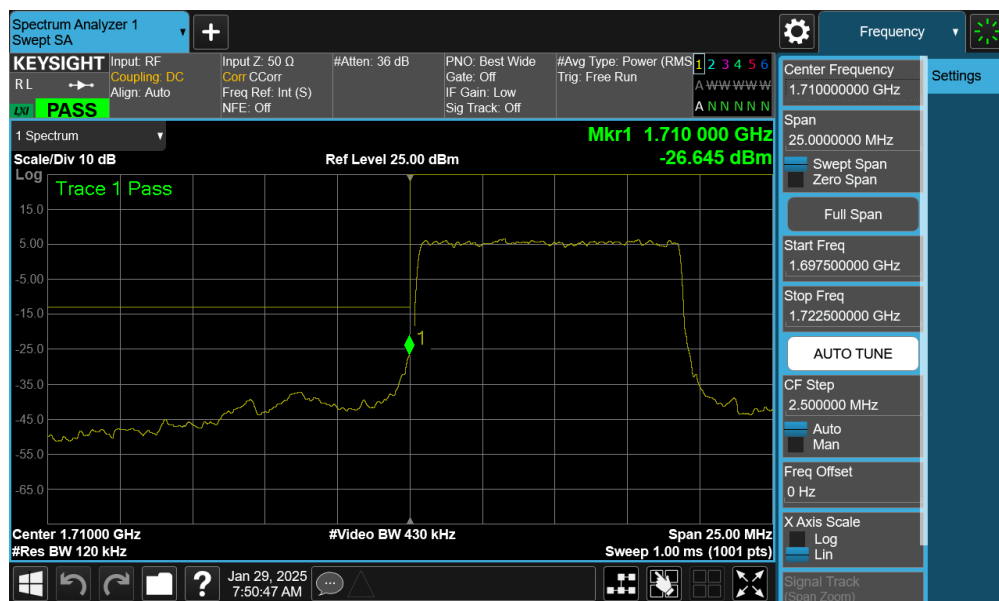
Plot 7-193. Upper Band Edge Plot (NR Band n70 - 10.0MHz - Full RB - Ant4)



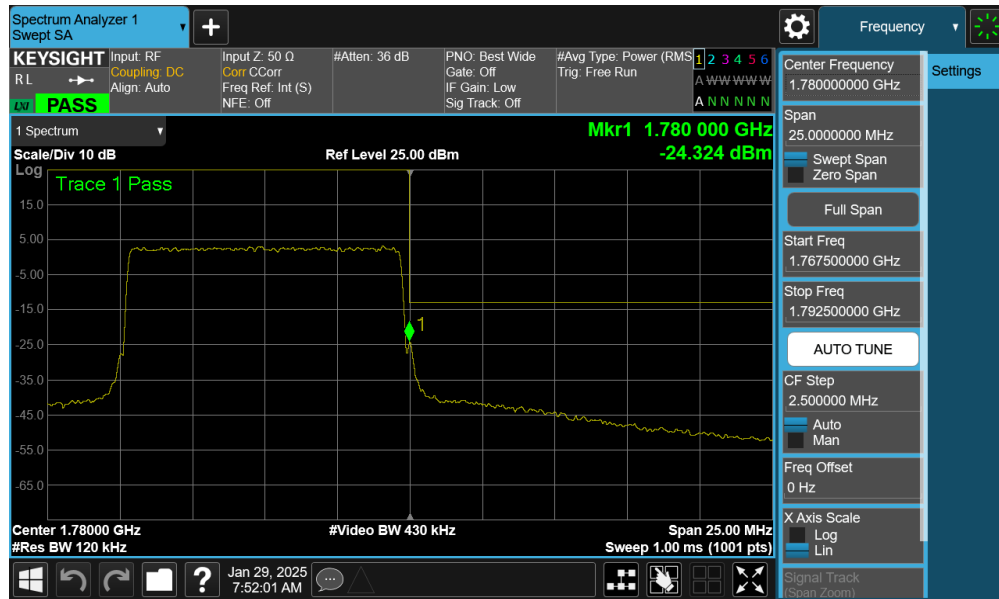
Plot 7-194. Upper Extended Band Edge Plot (NR Band n70 - 10.0MHz - Full RB - Ant4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 136 of 196

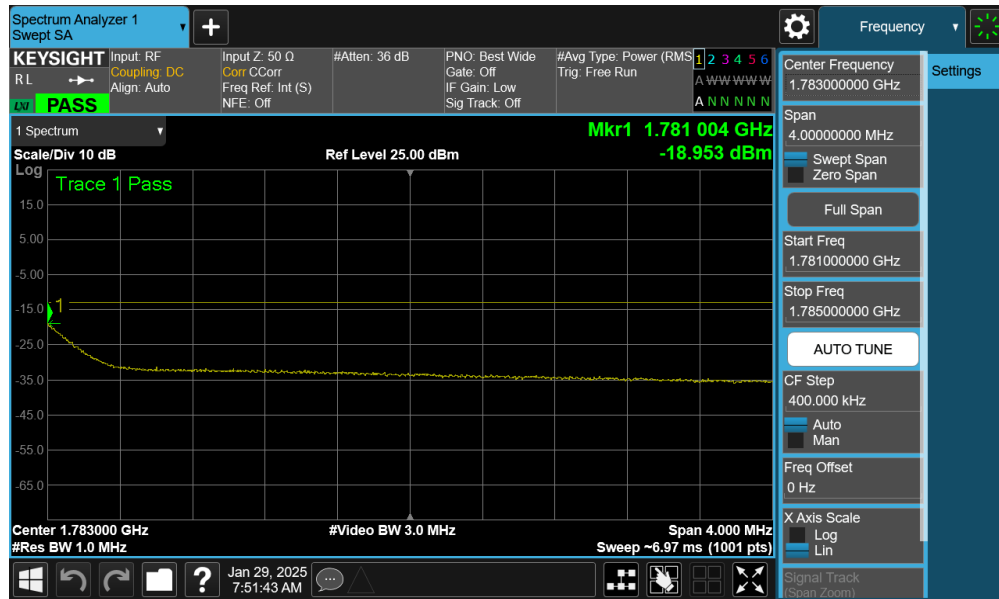
NR Band n66 – Ant4



FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 137 of 196



Plot 7-197. Upper Band Edge Plot (NR Band n66 – 10.0MHz - Full RB - Ant4)



Plot 7-198. Upper Extended Band Edge Plot (NR Band n66 – 10.0MHz - Full RB – Ant4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 138 of 196

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.

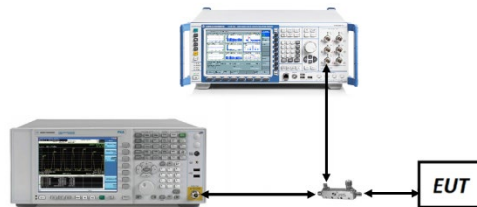


Figure 7-5. Test Instrument & Measurement Setup

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: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 139 of 196

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
WCDMA-AWS	5MHz	GMSK	24.14	3.41	13	-9.59
LTE-B66-4	20MHz	QPSK	22.11	5.74	13	-7.26
		256QAM	18.10	6.97	13	-6.03
	15MHz	QPSK	22.03	5.80	13	-7.20
		256QAM	18.05	7.00	13	-6.00
	10MHz	QPSK	22.16	5.86	13	-7.14
		256QAM	18.15	6.97	13	-6.03
	5MHz	QPSK	22.17	5.75	13	-7.25
		256QAM	18.11	6.99	13	-6.01
	3MHz	QPSK	22.11	5.71	13	-7.29
		256QAM	17.78	7.27	13	-5.73
	1.4MHz	QPSK	22.08	5.85	13	-7.15
		256QAM	15.91	8.96	13	-4.04
NR-n70	15MHz	$\pi/2$ BPSK	23.69	4.26	13	-8.74
		QPSK	21.16	7.11	13	-5.89
		256QAM	17.61	8.51	13	-4.49
	10MHz	$\pi/2$ BPSK	23.72	4.51	13	-8.49
		QPSK	21.15	7.31	13	-5.69
		256QAM	17.63	8.65	13	-4.35
	5MHz	$\pi/2$ BPSK	23.76	4.17	13	-8.83
		QPSK	21.19	7.08	13	-5.92
		256QAM	17.68	8.45	13	-4.55
	NR-n66	40MHz	$\pi/2$ BPSK	24.44	4.17	13
QPSK			21.93	7.48	13	-5.52
256QAM			18.39	8.43	13	-4.57
35MHz		$\pi/2$ BPSK	24.44	4.17	13	-8.83
		QPSK	21.88	7.65	13	-5.35
		256QAM	18.39	8.36	13	-4.64
30MHz		$\pi/2$ BPSK	24.44	3.94	13	-9.06
		QPSK	21.85	6.55	13	-6.45
		256QAM	18.28	8.37	13	-4.63
25MHz		$\pi/2$ BPSK	23.68	4.00	13	-9.00
		QPSK	21.18	6.73	13	-6.27
		256QAM	17.61	8.51	13	-4.49
20MHz		$\pi/2$ BPSK	23.60	3.79	13	-9.21
		QPSK	21.00	6.48	13	-6.52
		256QAM	17.54	8.45	13	-4.55
15MHz		$\pi/2$ BPSK	23.60	3.90	13	-9.10
		QPSK	21.00	6.56	13	-6.44
		256QAM	17.48	8.48	13	-4.52
10MHz		$\pi/2$ BPSK	23.36	3.88	13	-9.12
		QPSK	20.81	6.65	13	-6.35
		256QAM	17.25	8.53	13	-4.47
5MHz		$\pi/2$ BPSK	23.48	3.82	13	-9.18
		QPSK	20.93	6.62	13	-6.38
		256QAM	17.45	8.45	13	-4.55

Table 7-16. PAR Results – Ant 2

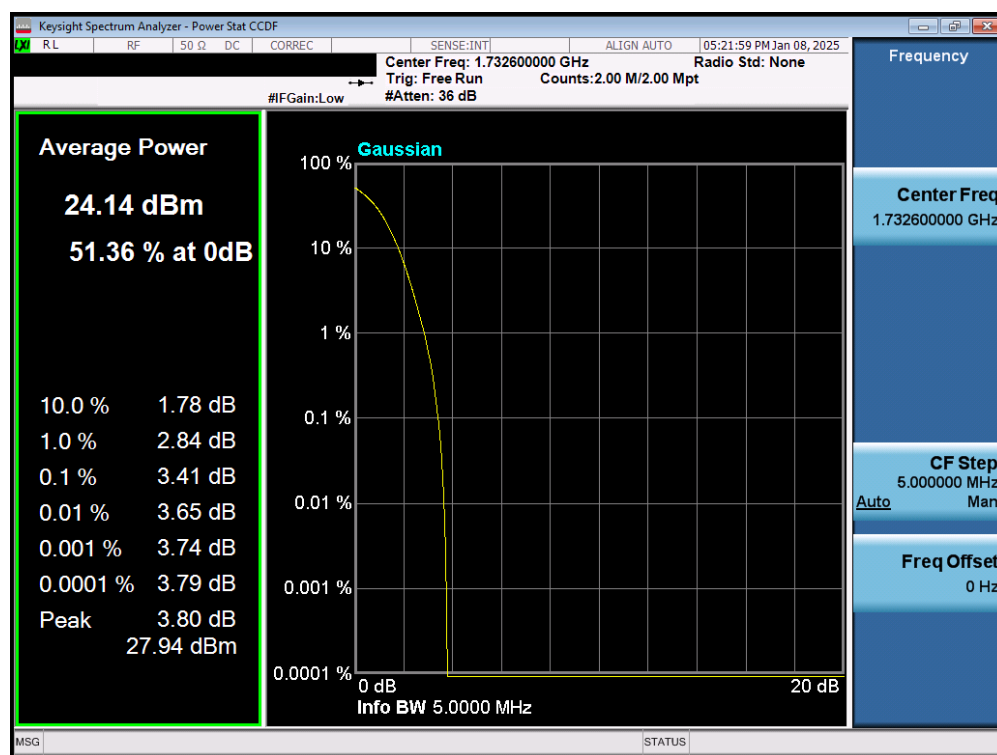
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 140 of 196

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
LTE-B66-4	20MHz	QPSK	22.20	5.62	13	-7.38
		256QAM	18.20	6.94	13	-6.06
	15MHz	QPSK	22.20	5.73	13	-7.27
		256QAM	18.21	6.95	13	-6.05
	10MHz	QPSK	22.34	5.80	13	-7.20
		256QAM	18.33	6.95	13	-6.05
	5MHz	QPSK	22.32	5.74	13	-7.26
		256QAM	18.33	7.20	13	-5.80
	3MHz	QPSK	22.28	5.61	13	-7.39
		256QAM	18.29	7.05	13	-5.95
	1.4MHz	QPSK	22.27	5.80	13	-7.20
		256QAM	18.29	7.20	13	-5.80
NR-n70	15MHz	$\pi/2$ BPSK	23.65	4.11	13	-8.89
		QPSK	21.10	7.67	13	-5.33
		256QAM	17.60	8.62	13	-4.38
	10MHz	$\pi/2$ BPSK	23.56	4.42	13	-8.58
		QPSK	21.04	7.72	13	-5.28
		256QAM	17.48	8.75	13	-4.25
	5MHz	$\pi/2$ BPSK	23.51	4.47	13	-8.53
		QPSK	21.04	7.45	13	-5.55
		256QAM	17.50	8.55	13	-4.45
NR-n66	40MHz	$\pi/2$ BPSK	23.46	4.31	13	-8.69
		QPSK	21.00	7.72	13	-5.28
		256QAM	17.45	8.53	13	-4.47
	35MHz	$\pi/2$ BPSK	23.35	4.49	13	-8.51
		QPSK	21.00	7.08	13	-5.92
		256QAM	17.08	8.82	13	-4.18
	30MHz	$\pi/2$ BPSK	23.46	3.94	13	-9.06
		QPSK	20.84	6.55	13	-6.45
		256QAM	17.43	8.37	13	-4.63
	25MHz	$\pi/2$ BPSK	23.86	4.00	13	-9.00
		QPSK	21.37	6.73	13	-6.27
		256QAM	17.82	8.51	13	-4.49
	20MHz	$\pi/2$ BPSK	23.79	3.79	13	-9.21
		QPSK	21.28	6.48	13	-6.52
		256QAM	17.76	8.45	13	-4.55
	15MHz	$\pi/2$ BPSK	23.75	3.90	13	-9.10
		QPSK	21.27	6.56	13	-6.44
		256QAM	17.71	8.48	13	-4.52
	10MHz	$\pi/2$ BPSK	23.67	3.88	13	-9.12
		QPSK	21.17	6.65	13	-6.35
		256QAM	17.59	8.53	13	-4.47
	5MHz	$\pi/2$ BPSK	23.70	3.82	13	-9.18
		QPSK	21.18	6.62	13	-6.38
		256QAM	17.66	8.45	13	-4.55

Table 7-17. PAR Results – Ant 4

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 141 of 196

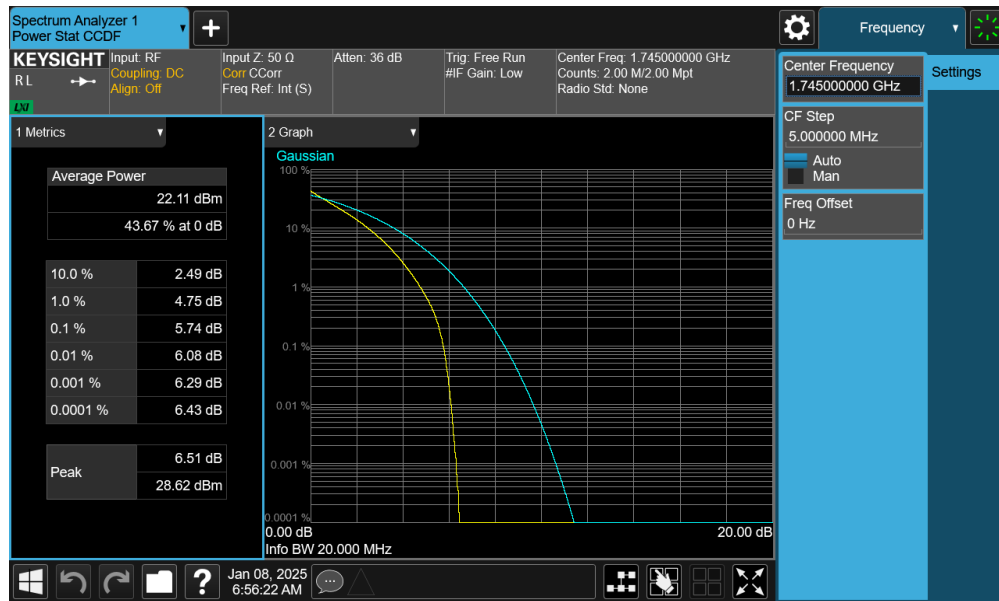
WCDMA AWS – Ant2



Plot 7-199. PAR Plot (WCDMA, Ch. 1413 – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 142 of 196

LTE Band 66/4 – Ant2



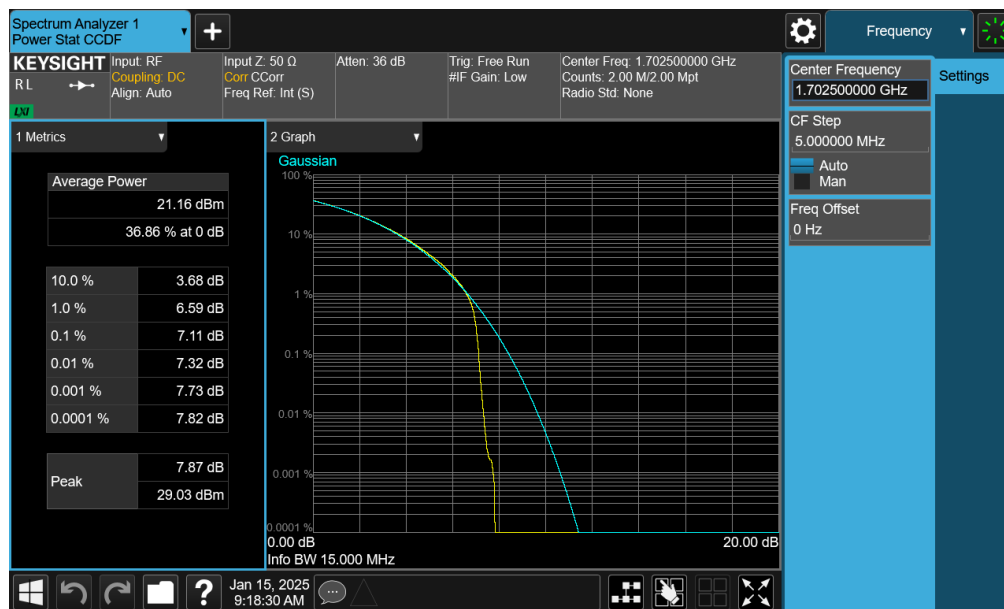
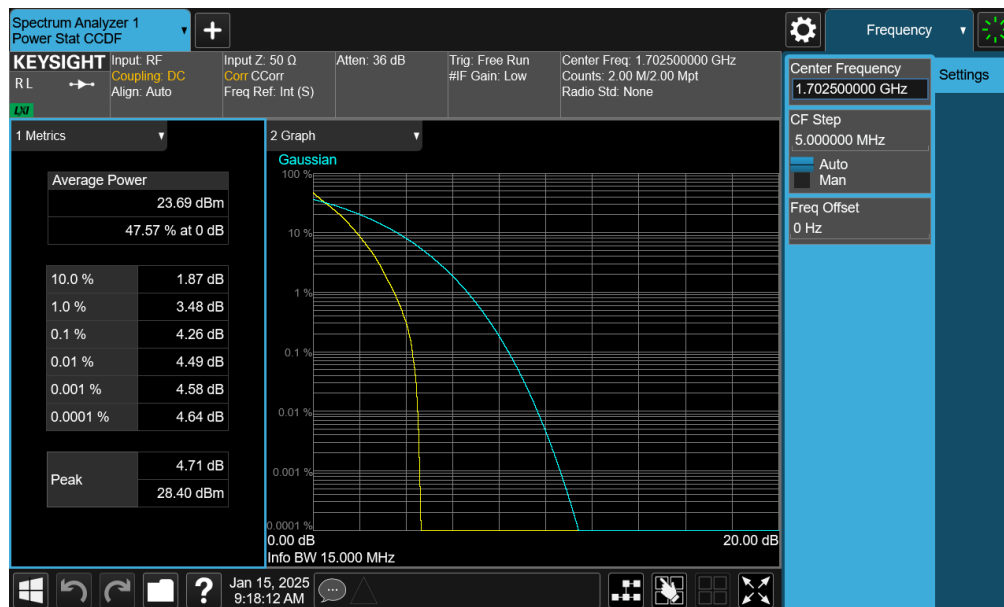
Plot 7-200. PAR Plot (LTE Band 66/4 - 20MHz QPSK - Full RB - Ant2)



Plot 7-201. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB - Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 143 of 196

NR Band n70 – Ant2



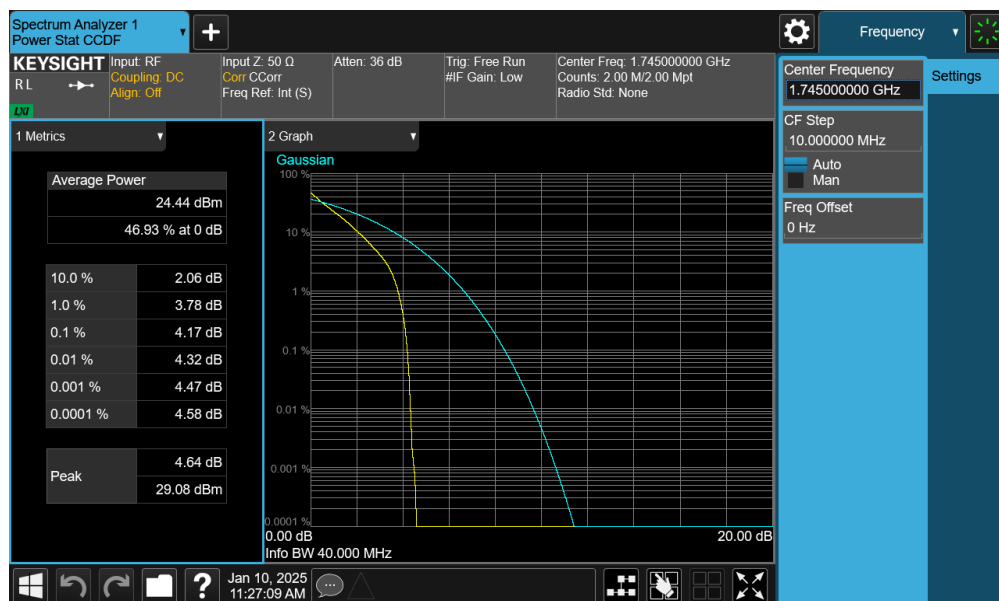
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 144 of 196



Plot 7-204. PAR Plot (NR Band n70 - 15.0MHz CP-OFDM 256-QAM - Full RB - Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 145 of 196

NR Band n66 – Ant2



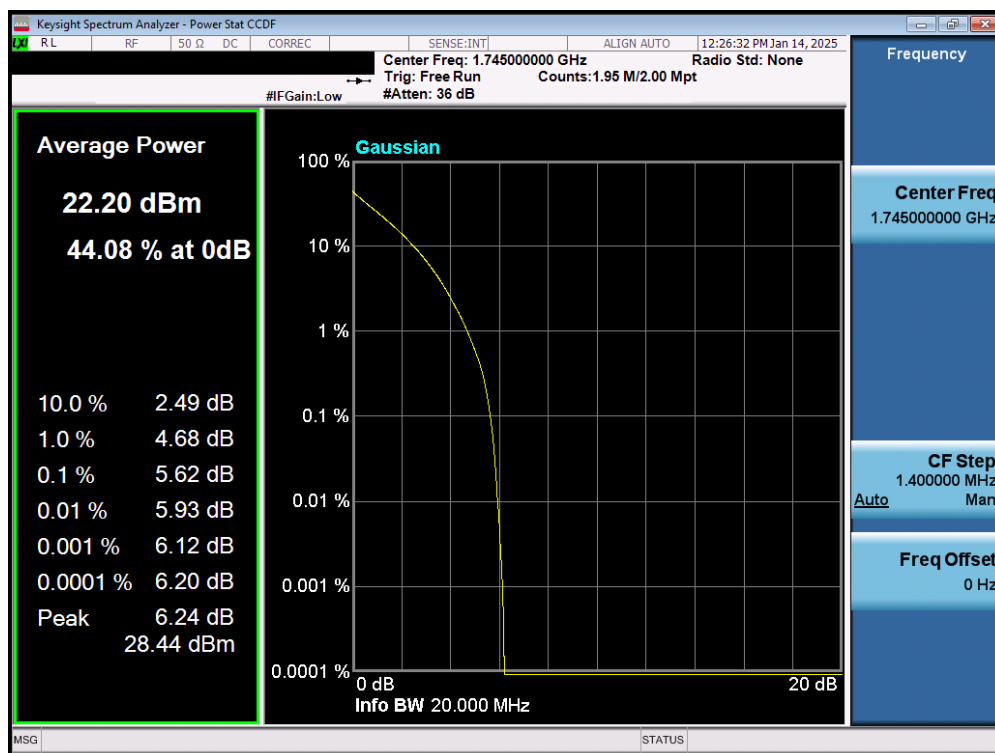
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 146 of 196



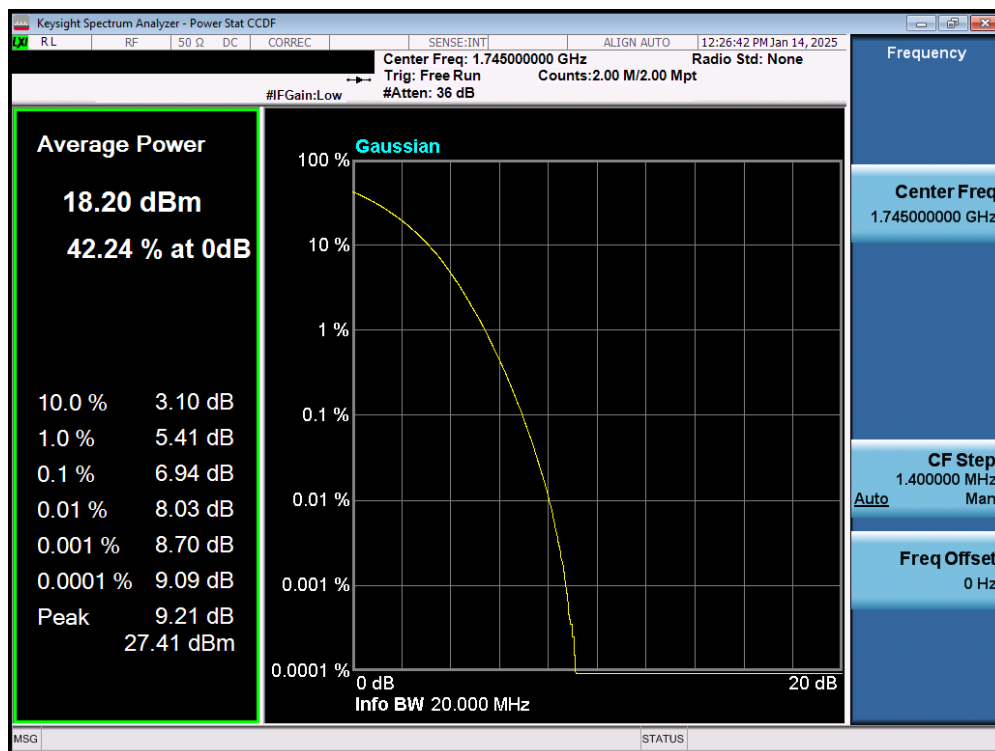
Plot 7-207. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB - Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 147 of 196

LTE Band 66/4 – Ant4



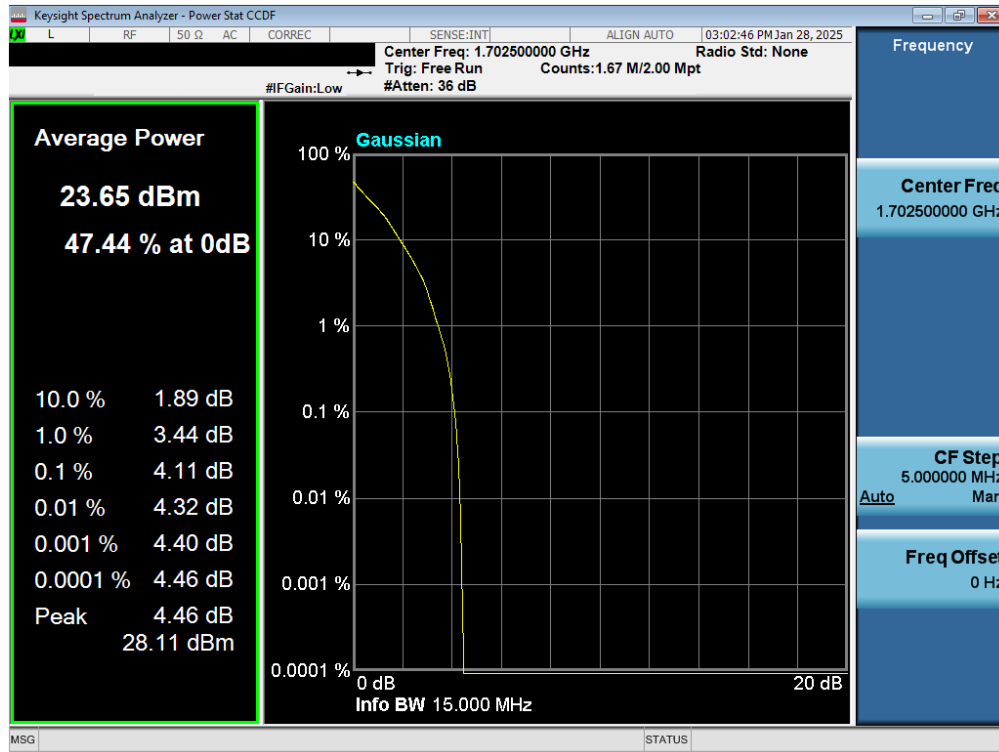
Plot 7-208. PAR Plot (LTE Band 66/4 - 20MHz QPSK - Full RB – Ant4)



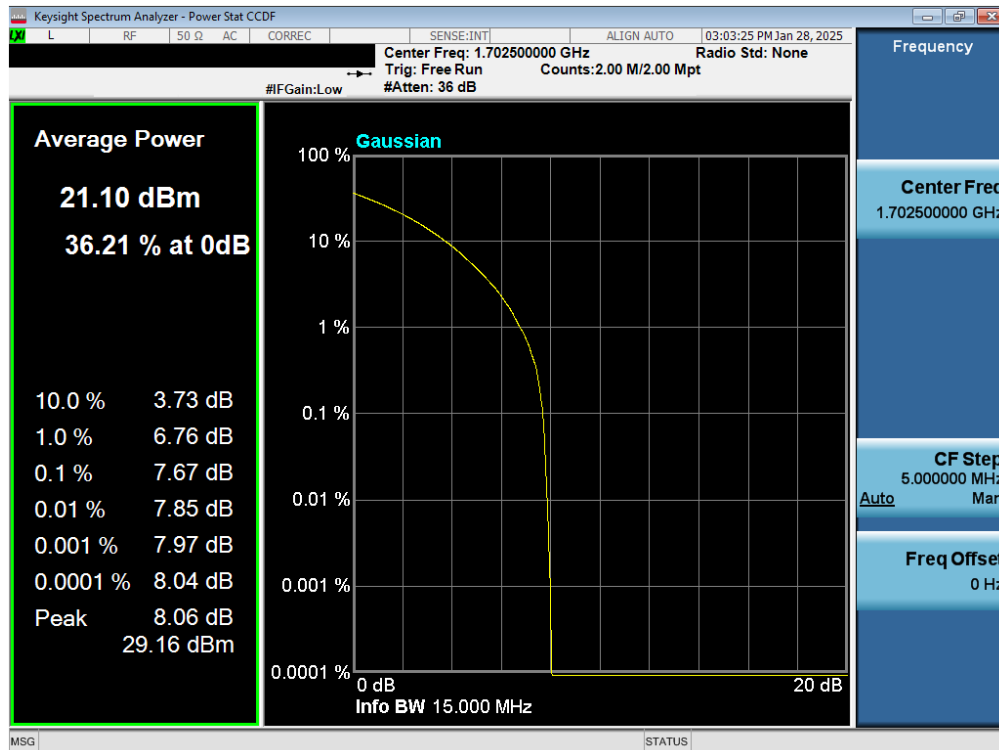
Plot 7-209. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB – Ant4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 148 of 196

NR Band n70 – Ant4

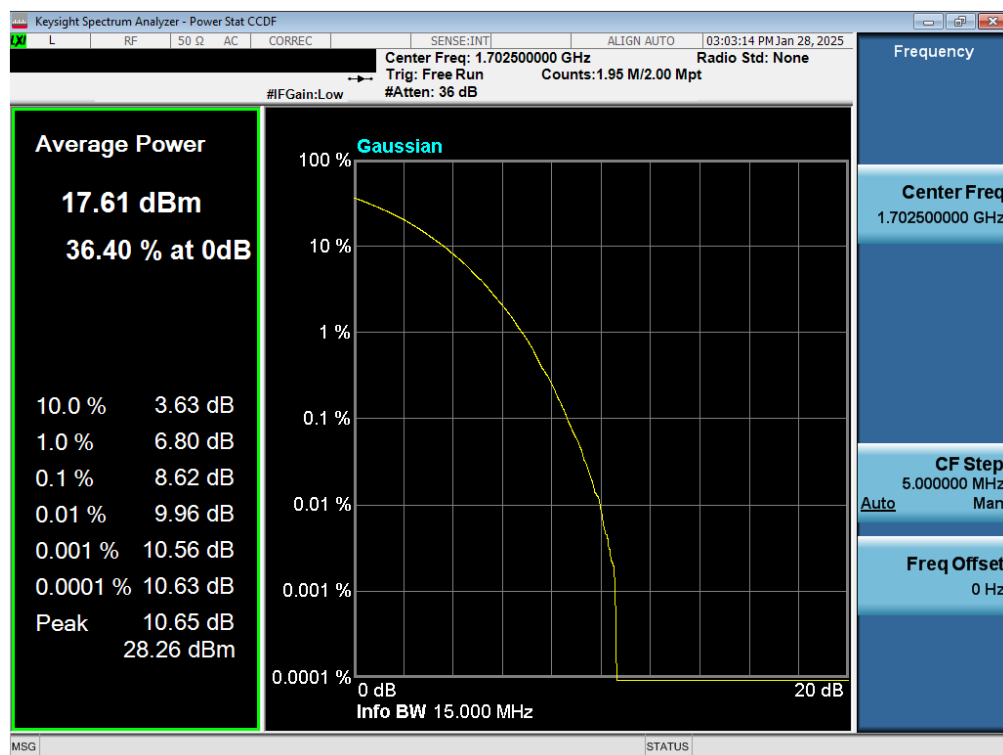


Plot 7-210. PAR Plot (NR Band n70 - 15.0MHz DFT-s-OFDM BPSK - Full RB – Ant4)



Plot 7-211. PAR Plot (NR Band n70 - 15.0MHz CP-OFDM QPSK - Full RB – Ant4)

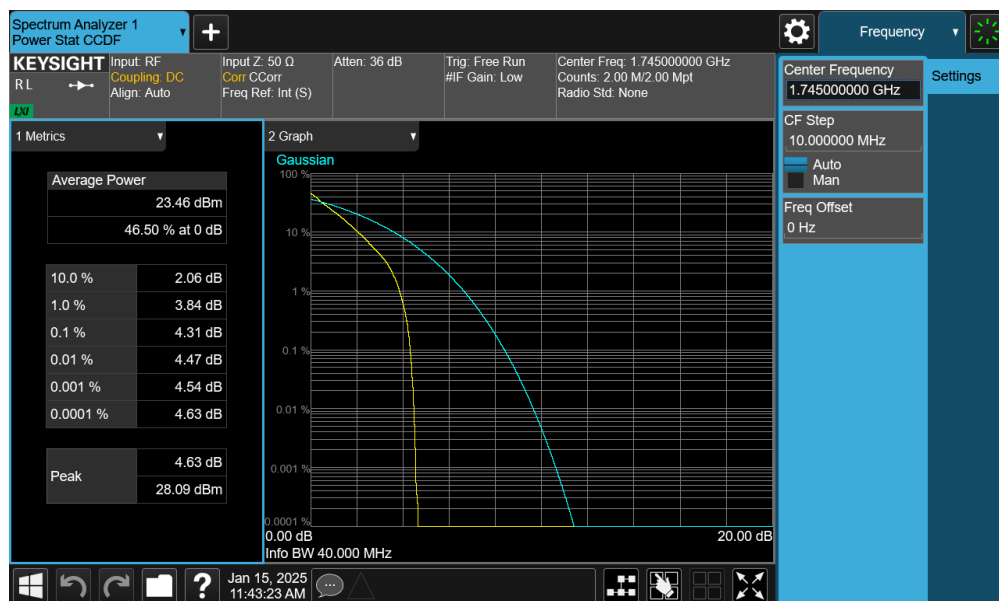
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 149 of 196



Plot 7-212. PAR Plot (NR Band n70 - 15.0MHz CP-OFDM 256-QAM - Full RB - Ant4

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 - 3/5/2025	EUT Type: Portable Handset	Page 150 of 196

Band n66 – Ant4



FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 151 of 196



Plot 7-215. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB – Ant4)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 152 of 196

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

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 153 of 196

Test Setup

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

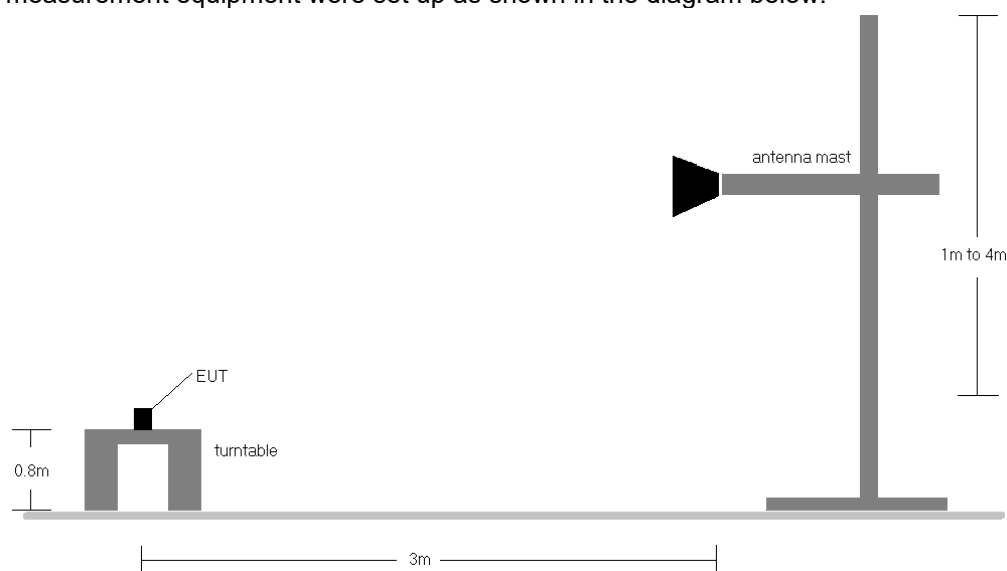


Figure 7-6. Radiated Test Setup <1GHz

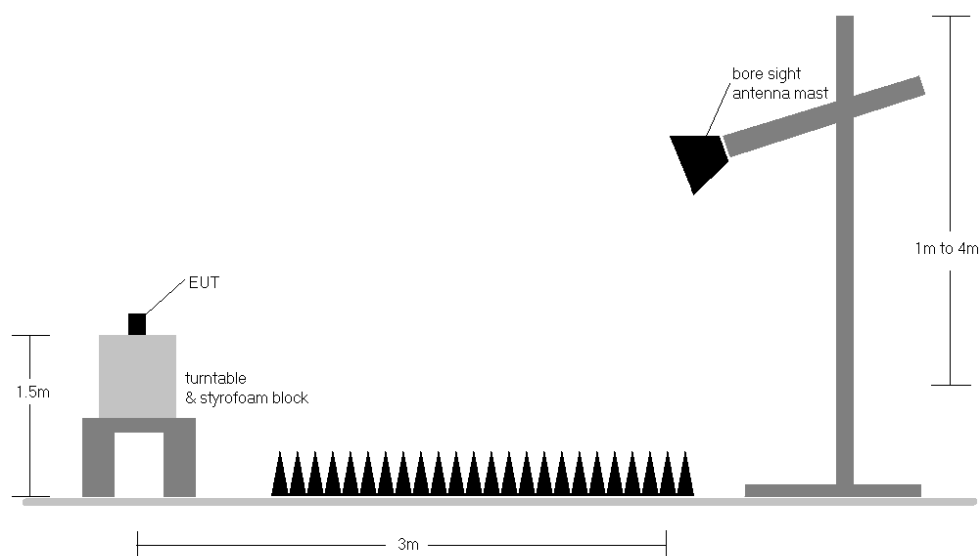


Figure 7-7. Radiated Test Setup >1GHz

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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- 3) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 155 of 196

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]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	QPSK	673.00	H	149	297	0.69	1 / 0	19.71	20.40	0.110	36.99	-16.59	18.25	0.067	34.77	-16.52
	QPSK	680.50	H	156	297	0.81	1 / 0	19.35	20.16	0.104	36.99	-16.83	18.01	0.063	34.77	-16.76
	QPSK	688.00	H	142	289	0.93	1 / 99	19.21	20.14	0.103	36.99	-16.85	17.99	0.063	34.77	-16.78
	16-QAM	673.00	H	149	297	0.69	1 / 0	18.39	19.08	0.081	36.99	-17.91	16.93	0.049	34.77	-17.84
	16-QAM	680.50	H	156	297	0.81	1 / 0	18.11	18.92	0.078	36.99	-18.07	16.77	0.048	34.77	-18.00
	16-QAM	688.00	H	142	289	0.93	1 / 99	17.92	18.85	0.077	36.99	-18.14	16.70	0.047	34.77	-18.07
15 MHz	QPSK	670.50	H	149	297	0.69	1 / 37	19.69	20.38	0.109	36.99	-16.61	18.23	0.067	34.77	-16.54
	QPSK	680.50	H	156	297	0.81	1 / 74	19.31	20.12	0.103	36.99	-16.87	17.97	0.063	34.77	-16.80
	QPSK	690.50	H	142	289	0.93	1 / 74	19.14	20.07	0.102	36.99	-16.92	17.92	0.062	34.77	-16.85
	16-QAM	670.50	H	149	297	0.69	1 / 74	18.45	19.14	0.082	36.99	-17.85	16.99	0.050	34.77	-17.78
	16-QAM	680.50	H	156	297	0.81	1 / 37	17.59	18.40	0.069	36.99	-18.59	16.25	0.042	34.77	-18.52
	16-QAM	690.50	H	142	289	0.93	1 / 37	18.10	19.03	0.080	36.99	-17.96	16.88	0.049	34.77	-17.90
10 MHz	QPSK	668.00	H	149	297	0.69	1 / 25	19.81	20.50	0.112	36.99	-16.49	18.35	0.068	34.77	-16.42
	QPSK	680.50	H	156	297	0.81	1 / 0	19.41	20.22	0.105	36.99	-16.77	18.07	0.064	34.77	-16.70
	QPSK	693.00	H	142	289	0.93	1 / 25	19.32	20.25	0.106	36.99	-16.73	18.10	0.065	34.77	-16.67
	16-QAM	668.00	H	149	297	0.69	1 / 49	18.74	19.43	0.088	36.99	-17.56	17.28	0.053	34.77	-17.49
	16-QAM	680.50	H	156	297	0.81	1 / 0	17.67	18.48	0.070	36.99	-18.51	16.33	0.043	34.77	-18.44
	16-QAM	693.00	H	142	289	0.93	1 / 0	18.30	19.23	0.084	36.99	-17.76	17.08	0.051	34.77	-17.69
5 MHz	QPSK	665.50	H	149	297	0.69	1 / 12	19.91	20.60	0.115	36.99	-16.39	18.45	0.070	34.77	-16.32
	QPSK	680.50	H	156	297	0.81	1 / 12	19.56	20.37	0.109	36.99	-16.62	18.22	0.066	34.77	-16.55
	QPSK	695.50	H	142	289	0.93	1 / 12	19.40	20.33	0.108	36.99	-16.66	18.18	0.066	34.77	-16.59
	16-QAM	665.50	H	149	297	0.69	1 / 0	18.73	19.42	0.087	36.99	-17.57	17.27	0.053	34.77	-17.50
	16-QAM	680.50	H	156	297	0.81	1 / 0	17.58	18.39	0.069	36.99	-18.60	16.24	0.042	34.77	-18.53
	16-QAM	695.50	H	142	289	0.93	1 / 12	18.20	19.13	0.082	36.99	-17.86	16.98	0.050	34.77	-17.79

Table 7-18. ERP Data (LTE Band 71 – Ant1)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	704.00	H	253	165	1.14	1 / 49	20.02	21.16	0.131	36.99	-15.83	19.01	0.080	34.77	-15.76
	QPSK	707.50	H	250	172	1.16	1 / 25	19.93	21.09	0.128	36.99	-15.90	18.94	0.078	34.77	-15.83
	QPSK	711.00	H	254	158	1.17	1 / 25	20.28	21.45	0.140	36.99	-15.54	19.30	0.085	34.77	-15.47
	16-QAM	704.00	H	253	165	1.14	1 / 49	18.77	19.91	0.098	36.99	-17.08	17.76	0.060	34.77	-17.01
	16-QAM	707.50	H	250	172	1.16	1 / 25	18.47	19.63	0.092	36.99	-17.36	17.48	0.056	34.77	-17.29
	16-QAM	711.00	H	254	158	1.17	1 / 25	19.00	20.17	0.104	36.99	-16.82	18.02	0.063	34.77	-16.75
5 MHz	QPSK	701.50	H	253	165	1.14	1 / 12	19.97	21.11	0.129	36.99	-15.88	18.96	0.079	34.77	-15.81
	QPSK	707.50	H	250	172	1.16	1 / 24	19.97	21.13	0.130	36.99	-15.86	18.98	0.079	34.77	-15.80
	QPSK	713.50	H	254	158	1.17	1 / 0	20.30	21.47	0.140	36.99	-15.52	19.32	0.086	34.77	-15.45
	16-QAM	701.50	H	253	165	1.14	1 / 0	18.79	19.93	0.098	36.99	-17.06	17.78	0.060	34.77	-16.99
	16-QAM	707.50	H	250	172	1.16	1 / 24	18.42	19.58	0.091	36.99	-17.41	17.43	0.055	34.77	-17.34
	16-QAM	713.50	H	254	158	1.17	1 / 12	18.83	20.00	0.100	36.99	-16.99	17.85	0.061	34.77	-16.92
3 MHz	QPSK	700.50	H	253	165	1.14	1 / 7	19.84	20.98	0.125	36.99	-16.01	18.83	0.076	34.77	-15.94
	QPSK	707.50	H	250	172	1.16	1 / 7	19.77	20.93	0.124	36.99	-16.06	18.78	0.076	34.77	-15.99
	QPSK	714.50	H	254	158	1.17	1 / 14	19.97	21.15	0.130	36.99	-15.84	19.00	0.079	34.77	-15.77
	16-QAM	700.50	H	253	165	1.14	1 / 7	18.89	20.03	0.101	36.99	-16.96	17.88	0.061	34.77	-16.89
	16-QAM	707.50	H	250	172	1.16	1 / 14	18.34	19.50	0.089	36.99	-17.49	17.35	0.054	34.77	-17.42
	16-QAM	714.50	H	254	158	1.17	1 / 7	18.81	19.98	0.100	36.99	-17.01	17.83	0.061	34.77	-16.94
1.4 MHz	QPSK	699.70	H	253	165	1.14	1 / 3	19.91	21.05	0.127	36.99	-15.94	18.90	0.078	34.77	-15.87
	QPSK	707.50	H	250	172	1.16	1 / 0	19.74	20.90	0.123	36.99	-16.09	18.75	0.075	34.77	-16.02
	QPSK	715.30	H	254	158	1.17	1 / 0	20.07	21.25	0.133	36.99	-15.74	19.10	0.081	34.77	-15.67
	16-QAM	699.70	H	253	165	1.14	1 / 5	18.67	19.81	0.096	36.99	-17.18	17.66	0.058	34.77	-17.11
	16-QAM	707.50	H	250	172	1.16	1 / 0	18.41	19.56	0.090	36.99	-17.42	17.41	0.055	34.77	-17.36
	16-QAM	715.30	H	254	158	1.17	1 / 5	18.74	19.91	0.098	36.99	-17.08	17.76	0.060	34.77	-17.01

Table 7-19. ERP Data (LTE Band 12 – Ant1)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	782.00	V	146	249	0.89	1 / 0	18.67	19.56	0.090	36.99	-17.43	17.41	0.055	34.77	-17.36
	16-QAM	782.00	V	146	249	0.89	50 / 0	17.47	18.36	0.069	36.99	-18.63	16.21	0.042	34.77	-18.56
5 MHz	QPSK	779.50	V	146	249	0.94	1 / 0	18.76	19.69	0.093	36.99	-17.30	17.54	0.057	34.77	-17.23
	QPSK	782.00	V	146	249	0.89	1 / 12	18.80	19.78	0.095	36.99	-17.21	17.63	0.058	34.77	-17.14
	QPSK	784.50	V	146	249	0.85	1 / 24	18.82	19.66	0.093	36.99	-17.33	17.51	0.056	34.77	-17.26
	16-QAM	779.50	V	146	249	0.94	1 / 24	17.51	18.45	0.070	36.99	-18.54	16.30	0.043	34.77	-18.47
	16-QAM	782.00	V	146	249	0.89	1 / 12	17.74	18.63	0.073	36.99	-18.36	16.48	0.044	34.77	-18.30
	16-QAM	784.50	V	146	249	0.85	1 / 12	17.65	18.49	0.071	36.99	-18.50	16.34	0.043	34.77	-18.43

Table 7-20. ERP Data (LTE Band 13 – Ant1)

FCC ID: A3LSMG766U	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]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	$\pi/2$ BPSK	673.00	H	141	284	0.69	1 / 1	20.75	21.44	0.139	36.99	-15.55	19.29	0.085	34.77	-15.48
	$\pi/2$ BPSK	680.50	H	141	282	0.81	1 / 1	20.64	21.45	0.140	36.99	-15.54	19.30	0.085	34.77	-15.47
	$\pi/2$ BPSK	688.00	H	138	279	0.93	1 / 104	20.76	21.69	0.148	36.99	-15.30	19.54	0.090	34.77	-15.23
	QPSK	673.00	H	141	284	0.69	1 / 1	20.64	21.33	0.136	36.99	-15.66	19.18	0.083	34.77	-15.59
	QPSK	680.50	H	141	282	0.81	1 / 1	20.60	21.41	0.138	36.99	-15.58	19.26	0.084	34.77	-15.51
	QPSK	688.00	H	138	279	0.93	1 / 104	20.56	21.49	0.141	36.99	-15.50	19.34	0.086	34.77	-15.43
	16-QAM	673.00	H	141	284	0.69	1 / 1	19.27	19.96	0.099	36.99	-17.03	17.81	0.060	34.77	-16.96
	16-QAM	680.50	H	141	282	0.81	1 / 1	19.19	20.00	0.100	36.99	-16.99	17.85	0.061	34.77	-16.92
15 MHz	16-QAM	688.00	H	138	279	0.93	1 / 104	19.12	20.05	0.101	36.99	-16.94	17.90	0.062	34.77	-16.87
	$\pi/2$ BPSK	670.50	H	141	284	0.69	1 / 77	20.99	21.67	0.147	36.99	-15.32	19.52	0.090	34.77	-15.25
	$\pi/2$ BPSK	680.50	H	141	282	0.81	1 / 77	20.87	21.68	0.147	36.99	-15.31	19.53	0.090	34.77	-15.24
	$\pi/2$ BPSK	690.50	H	138	279	0.93	1 / 77	20.94	21.87	0.154	36.99	-15.12	19.72	0.094	34.77	-15.05
	QPSK	670.50	H	141	284	0.69	1 / 77	21.12	21.81	0.152	36.99	-15.18	19.66	0.093	34.77	-15.11
	QPSK	680.50	H	141	282	0.81	1 / 77	21.09	21.90	0.155	36.99	-15.09	19.75	0.094	34.77	-15.03
	QPSK	690.50	H	138	279	0.93	1 / 77	20.66	21.59	0.144	36.99	-15.40	19.44	0.088	34.77	-15.33
	16-QAM	670.50	H	141	284	0.69	1 / 77	20.00	20.69	0.117	36.99	-16.30	18.54	0.071	34.77	-16.23
10 MHz	16-QAM	680.50	H	141	282	0.81	1 / 77	19.20	20.01	0.100	36.99	-16.98	17.86	0.061	34.77	-16.91
	16-QAM	690.50	H	138	279	0.93	1 / 77	19.38	20.31	0.107	36.99	-16.68	18.16	0.065	34.77	-16.61
	$\pi/2$ BPSK	668.00	H	141	284	0.69	1 / 1	20.72	21.40	0.138	36.99	-15.58	19.25	0.084	34.77	-15.52
	$\pi/2$ BPSK	680.50	H	141	282	0.81	1 / 26	20.96	21.77	0.150	36.99	-15.22	19.62	0.092	34.77	-15.15
	$\pi/2$ BPSK	693.00	H	138	279	0.93	1 / 50	20.96	21.89	0.155	36.99	-15.10	19.74	0.094	34.77	-15.03
	QPSK	668.00	H	141	284	0.69	1 / 1	20.72	21.41	0.138	36.99	-15.58	19.26	0.084	34.77	-15.51
	QPSK	680.50	H	141	282	0.81	1 / 26	20.84	21.65	0.146	36.99	-15.34	19.50	0.089	34.77	-15.27
	QPSK	693.00	H	138	279	0.93	1 / 50	20.69	21.62	0.145	36.99	-15.37	19.47	0.089	34.77	-15.30
5 MHz	16-QAM	668.00	H	141	284	0.69	1 / 1	19.43	20.12	0.103	36.99	-16.87	17.97	0.063	34.77	-16.80
	16-QAM	680.50	H	141	282	0.81	1 / 26	19.21	20.02	0.101	36.99	-16.97	17.87	0.061	34.77	-16.90
	16-QAM	693.00	H	138	279	0.93	1 / 50	19.43	20.36	0.109	36.99	-16.63	18.21	0.066	34.77	-16.56
	$\pi/2$ BPSK	665.50	H	141	284	0.69	1 / 1	20.75	21.44	0.139	36.99	-15.55	19.29	0.085	34.77	-15.48
	$\pi/2$ BPSK	680.50	H	141	282	0.81	1 / 12	20.88	21.69	0.147	36.99	-15.30	19.54	0.090	34.77	-15.23
	$\pi/2$ BPSK	695.50	H	138	279	0.93	1 / 12	20.82	21.75	0.150	36.99	-15.24	19.60	0.091	34.77	-15.17
	QPSK	665.50	H	141	284	0.69	1 / 1	20.72	21.40	0.138	36.99	-15.59	19.25	0.084	34.77	-15.52
	QPSK	680.50	H	141	282	0.81	1 / 12	20.58	21.39	0.138	36.99	-15.60	19.24	0.084	34.77	-15.53
20 MHz	QPSK	695.50	H	138	279	0.93	1 / 12	20.68	21.61	0.145	36.99	-15.38	19.46	0.088	34.77	-15.31
	16-QAM	665.50	H	141	284	0.69	1 / 1	19.13	19.82	0.096	36.99	-17.17	17.67	0.058	34.77	-17.10
	16-QAM	680.50	H	141	282	0.81	1 / 12	19.23	20.04	0.101	36.99	-16.95	17.89	0.062	34.77	-16.88
	16-QAM	695.50	H	138	279	0.93	1 / 12	19.07	20.00	0.100	36.99	-16.99	17.85	0.061	34.77	-16.92
20 MHz	QPSK (CP-OFDM)	688.00	H	143	286	0.93	1 / 1	18.17	19.10	0.081	36.99	-17.89	16.95	0.050	34.77	-17.82

Table 7-21. EIRP Data (NR Band n71 – Ant1)

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	H	206	6	14.36	2.89	17.25	0.053	30.00	-12.75
1732.60	WCDMA1700	H	213	6	12.59	2.86	15.45	0.035	30.00	-14.55
1752.60	WCDMA1700	H	198	9	13.47	2.83	16.30	0.043	30.00	-13.70

Table 7-22. EIRP Data (WCDMA AWS – Ant2)

FCC ID: A3LSMG766U	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	140	118	2.90	1 / 0	19.02	21.92	0.156	30.00	-8.08
	QPSK	1745.00	V	124	120	2.94	1 / 0	18.91	21.85	0.153	30.00	-8.15
	QPSK	1770.00	V	155	122	3.02	1 / 99	18.53	21.55	0.143	30.00	-8.45
	16-QAM	1720.00	V	140	118	2.90	1 / 0	18.13	21.03	0.127	30.00	-8.97
	16-QAM	1745.00	V	124	120	2.94	1 / 0	17.87	20.81	0.121	30.00	-9.19
15 MHz	16-QAM	1770.00	V	155	122	3.02	1 / 99	17.59	20.61	0.115	30.00	-9.39
	QPSK	1717.50	V	140	118	2.90	1 / 0	19.03	21.93	0.156	30.00	-8.07
	QPSK	1745.00	V	124	120	2.94	1 / 37	18.93	21.87	0.154	30.00	-8.13
	QPSK	1772.50	V	155	122	3.02	1 / 37	18.60	21.62	0.145	30.00	-8.38
	16-QAM	1717.50	V	140	118	2.90	1 / 74	18.11	21.00	0.126	30.00	-9.00
10 MHz	16-QAM	1745.00	V	124	120	2.94	1 / 74	17.91	20.85	0.122	30.00	-9.15
	16-QAM	1772.50	V	155	122	3.02	1 / 37	17.71	20.73	0.118	30.00	-9.27
	QPSK	1715.00	V	140	118	2.90	1 / 49	19.16	22.06	0.161	30.00	-7.94
	QPSK	1745.00	V	124	120	2.94	1 / 25	18.96	21.90	0.155	30.00	-8.10
	QPSK	1775.00	V	155	122	3.02	1 / 0	18.70	21.72	0.149	30.00	-8.28
5 MHz	16-QAM	1715.00	V	140	118	2.90	1 / 49	18.20	21.10	0.129	30.00	-8.90
	16-QAM	1745.00	V	124	120	2.94	1 / 25	17.92	20.86	0.122	30.00	-9.14
	16-QAM	1775.00	V	155	122	3.02	1 / 0	17.85	20.87	0.122	30.00	-9.13
	QPSK	1712.50	V	140	118	2.90	1 / 24	18.99	21.89	0.154	30.00	-8.11
	QPSK	1745.00	V	124	120	2.94	1 / 12	18.96	21.90	0.155	30.00	-8.10
3 MHz	QPSK	1777.50	V	155	122	3.02	1 / 0	18.59	21.61	0.145	30.00	-8.39
	16-QAM	1712.50	V	140	118	2.90	1 / 12	18.08	20.98	0.125	30.00	-9.02
	16-QAM	1745.00	V	124	120	2.94	1 / 24	17.96	20.90	0.123	30.00	-9.10
	16-QAM	1777.50	V	155	122	3.02	1 / 12	17.72	20.74	0.119	30.00	-9.26
	QPSK	1711.50	V	140	118	2.90	1 / 7	18.97	21.87	0.154	30.00	-8.13
1.4 MHz	QPSK	1745.00	V	124	120	2.94	1 / 7	18.83	21.77	0.150	30.00	-8.23
	QPSK	1778.50	V	155	122	3.02	1 / 7	18.53	21.55	0.143	30.00	-8.45
	16-QAM	1711.50	V	140	118	2.90	1 / 7	18.27	21.16	0.131	30.00	-8.84
	16-QAM	1745.00	V	124	120	2.94	1 / 7	18.02	20.96	0.125	30.00	-9.04
	16-QAM	1778.50	V	155	122	3.02	1 / 7	17.57	20.59	0.115	30.00	-9.41
1.4 MHz	QPSK	1710.70	V	140	118	2.90	1 / 0	18.97	21.86	0.154	30.00	-8.14
	QPSK	1745.00	V	124	120	2.94	1 / 3	18.99	21.94	0.156	30.00	-8.06
	QPSK	1779.30	V	155	122	3.02	1 / 0	18.49	21.51	0.141	30.00	-8.49
	16-QAM	1710.70	V	140	118	2.90	1 / 5	18.20	21.09	0.129	30.00	-8.91
	16-QAM	1745.00	V	124	120	2.94	1 / 3	18.04	20.98	0.125	30.00	-9.02
1.4 MHz	16-QAM	1779.30	V	155	122	3.02	1 / 3	17.60	20.62	0.115	30.00	-9.38

Table 7-23. EIRP Data (LTE Band 66/4 – 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]
15 MHz	$\pi/2$ BPSK	1702.50	H	208	2	2.90	1 / 39	21.19	24.09	0.256	30.00	-5.91
	QPSK	1702.50	H	208	2	2.90	1 / 77	21.01	23.91	0.246	30.00	-6.09
	16-QAM	1702.50	H	208	2	2.90	1 / 39	19.59	22.49	0.177	30.00	-7.51
10 MHz	$\pi/2$ BPSK	1700.00	H	208	2	2.90	1 / 1	21.33	24.23	0.265	30.00	-5.77
	$\pi/2$ BPSK	1702.50	H	208	2	2.90	1 / 26	21.33	24.24	0.265	30.00	-5.76
	$\pi/2$ BPSK	1705.00	H	208	2	2.90	1 / 1	21.26	24.16	0.261	30.00	-5.84
	QPSK	1700.00	H	208	2	2.90	1 / 1	21.43	24.33	0.271	30.00	-5.67
	QPSK	1702.50	H	208	2	2.90	1 / 26	21.41	24.31	0.270	30.00	-5.69
	QPSK	1705.00	H	208	2	2.90	1 / 1	21.25	24.15	0.260	30.00	-5.85
	16-QAM	1700.00	H	208	2	2.90	1 / 1	19.64	22.54	0.179	30.00	-7.46
	16-QAM	1702.50	H	208	2	2.90	1 / 26	19.69	22.59	0.181	30.00	-7.41
	16-QAM	1705.00	H	208	2	2.90	1 / 1	19.58	22.49	0.177	30.00	-7.51
5 MHz	$\pi/2$ BPSK	1697.50	H	208	2	2.90	1 / 1	21.35	24.25	0.266	30.00	-5.75
	$\pi/2$ BPSK	1702.50	H	208	2	2.90	1 / 12	21.25	24.15	0.260	30.00	-5.85
	$\pi/2$ BPSK	1707.50	H	208	2	2.90	1 / 23	21.07	23.97	0.249	30.00	-6.03
	QPSK	1697.50	H	208	2	2.90	1 / 1	21.30	24.20	0.263	30.00	-5.80
	QPSK	1702.50	H	208	2	2.90	1 / 12	20.97	23.87	0.244	30.00	-6.13
	QPSK	1707.50	H	208	2	2.90	1 / 23	21.01	23.91	0.246	30.00	-6.09
	16-QAM	1697.50	H	208	2	2.90	1 / 1	19.45	22.35	0.172	30.00	-7.65
	16-QAM	1702.50	H	208	2	2.90	1 / 12	19.50	22.41	0.174	30.00	-7.59
	16-QAM	1707.50	H	208	2	2.90	1 / 23	19.24	22.14	0.164	30.00	-7.86
15 MHz	QPSK (CP-OFDM)	1702.50	H	205	1	2.90	1 / 77	18.74	21.64	0.146	30.00	-8.36

Table 7-24. EIRP Data (NR Band n70 – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset			Page 158 of 196	

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	123	119	2.92	1 / 214	20.96	23.88	0.244	30.00	-6.12
	$\pi/2$ BPSK	1745.00	V	117	121	2.94	1 / 108	21.04	23.98	0.250	30.00	-6.02
	$\pi/2$ BPSK	1760.00	V	120	118	2.99	1 / 1	20.97	23.96	0.249	30.00	-6.04
	QPSK	1730.00	V	123	119	2.92	1 / 214	20.76	23.68	0.233	30.00	-6.32
	QPSK	1745.00	V	117	121	2.94	1 / 108	20.92	23.86	0.243	30.00	-6.14
	QPSK	1760.00	V	120	118	2.99	1 / 1	20.79	23.78	0.239	30.00	-6.22
	16-QAM	1730.00	V	123	119	2.92	1 / 214	18.56	21.48	0.140	30.00	-8.52
	16-QAM	1745.00	V	117	121	2.94	1 / 108	19.20	22.14	0.164	30.00	-7.86
35 MHz	16-QAM	1760.00	V	120	118	2.99	1 / 1	19.53	22.52	0.178	30.00	-7.48
	$\pi/2$ BPSK	1727.50	V	123	119	0.00	1 / 1	23.96	23.96	0.249	30.00	-6.04
	$\pi/2$ BPSK	1745.00	V	117	121	0.00	1 / 186	23.92	23.92	0.246	30.00	-6.08
	$\pi/2$ BPSK	1762.50	V	120	118	0.00	1 / 186	24.07	24.07	0.255	30.00	-5.93
	QPSK	1727.50	V	123	119	0.00	1 / 1	23.84	23.84	0.242	30.00	-6.16
	QPSK	1745.00	V	117	121	0.00	1 / 186	23.92	23.92	0.247	30.00	-6.08
	QPSK	1762.50	V	120	118	0.00	1 / 186	23.95	23.95	0.248	30.00	-6.05
	16-QAM	1727.50	V	123	119	0.00	1 / 1	21.46	21.46	0.140	30.00	-8.54
30 MHz	16-QAM	1745.00	V	117	121	0.00	1 / 186	22.38	22.38	0.173	30.00	-7.62
	16-QAM	1762.50	V	120	118	0.00	1 / 186	22.81	22.81	0.191	30.00	-7.19
	$\pi/2$ BPSK	1725.00	V	123	119	2.92	1 / 80	21.05	23.96	0.249	30.00	-6.04
	$\pi/2$ BPSK	1745.00	V	117	121	2.94	1 / 80	21.10	24.04	0.253	30.00	-5.96
	$\pi/2$ BPSK	1765.00	V	120	118	2.99	1 / 80	21.01	23.99	0.251	30.00	-6.01
	QPSK	1725.00	V	123	119	2.92	1 / 80	20.85	23.76	0.238	30.00	-6.24
	QPSK	1745.00	V	117	121	2.94	1 / 80	20.89	23.83	0.242	30.00	-6.17
	QPSK	1765.00	V	120	118	2.99	1 / 80	20.92	23.91	0.246	30.00	-6.09
25 MHz	16-QAM	1725.00	V	123	119	2.92	1 / 80	18.42	21.33	0.136	30.00	-8.67
	16-QAM	1745.00	V	117	121	2.94	1 / 80	19.43	22.38	0.173	30.00	-7.62
	16-QAM	1765.00	V	120	118	2.99	1 / 80	19.74	22.73	0.187	30.00	-7.27
	$\pi/2$ BPSK	1722.5	V	123	119	2.92	1 / 131	21.01	23.93	0.247	30.00	-6.07
	$\pi/2$ BPSK	1745.0	V	117	121	2.94	1 / 131	21.25	24.20	0.263	30.00	-5.80
	$\pi/2$ BPSK	1767.5	V	120	118	2.99	1 / 131	20.97	23.96	0.249	30.00	-6.04
	QPSK	1722.5	V	123	119	2.92	1 / 131	20.96	23.88	0.244	30.00	-6.12
	QPSK	1745.0	V	117	121	2.94	1 / 131	21.20	24.14	0.260	30.00	-5.86
20 MHz	QPSK	1767.5	V	120	118	2.99	1 / 131	20.87	23.86	0.243	30.00	-6.14
	16-QAM	1722.5	V	123	119	2.92	1 / 131	18.42	21.34	0.136	30.00	-8.66
	16-QAM	1745.0	V	117	121	2.94	1 / 131	19.33	22.28	0.169	30.00	-7.72
	16-QAM	1767.5	V	120	118	2.99	1 / 131	19.79	22.77	0.189	30.00	-7.23
	$\pi/2$ BPSK	1720.00	V	123	119	2.92	1 / 104	20.97	23.89	0.245	30.00	-6.11
	$\pi/2$ BPSK	1745.00	V	117	121	2.94	1 / 1	20.95	23.89	0.245	30.00	-6.11
	$\pi/2$ BPSK	1770.00	V	120	118	2.99	1 / 104	20.84	23.82	0.241	30.00	-6.18
	QPSK	1720.00	V	123	119	2.92	1 / 104	20.94	23.86	0.243	30.00	-6.14
15 MHz	QPSK	1745.00	V	117	121	2.94	1 / 1	20.95	23.89	0.245	30.00	-6.11
	QPSK	1770.00	V	120	118	2.99	1 / 104	20.87	23.85	0.243	30.00	-6.15
	16-QAM	1720.00	V	123	119	2.92	1 / 104	18.35	21.27	0.134	30.00	-8.73
	16-QAM	1745.00	V	117	121	2.94	1 / 1	19.55	22.49	0.177	30.00	-7.51
	16-QAM	1770.00	V	120	118	2.99	1 / 104	19.43	22.41	0.174	30.00	-7.59
	$\pi/2$ BPSK	1717.50	V	123	119	2.92	1 / 39	21.02	23.93	0.247	30.00	-6.07
	$\pi/2$ BPSK	1745.00	V	117	121	2.94	1 / 77	21.06	24.00	0.251	30.00	-6.00
	$\pi/2$ BPSK	1772.50	V	120	118	2.99	1 / 77	20.83	23.82	0.241	30.00	-6.18
10 MHz	QPSK	1717.50	V	123	119	2.92	1 / 39	20.85	23.76	0.238	30.00	-6.24
	QPSK	1745.00	V	117	121	2.94	1 / 77	20.87	23.81	0.240	30.00	-6.19
	QPSK	1772.50	V	120	118	2.99	1 / 77	20.73	23.72	0.235	30.00	-6.28
	16-QAM	1717.50	V	123	119	2.92	1 / 39	18.36	21.28	0.134	30.00	-8.72
	16-QAM	1745.00	V	117	121	2.94	1 / 77	19.38	22.32	0.171	30.00	-7.68
	16-QAM	1772.50	V	120	118	2.99	1 / 77	19.37	22.35	0.172	30.00	-7.65
	$\pi/2$ BPSK	1715.00	V	123	119	2.92	1 / 1	20.99	23.91	0.246	30.00	-6.09
	$\pi/2$ BPSK	1745.00	V	117	121	2.94	1 / 1	21.00	23.94	0.248	30.00	-6.06
5 MHz	$\pi/2$ BPSK	1775.00	V	120	118	2.99	1 / 50	20.79	23.77	0.238	30.00	-6.23
	QPSK	1715.00	V	123	119	2.92	1 / 1	20.79	23.70	0.235	30.00	-6.30
	QPSK	1745.00	V	117	121	2.94	1 / 1	20.69	23.64	0.231	30.00	-6.36
	QPSK	1775.00	V	120	118	2.99	1 / 50	20.92	23.91	0.246	30.00	-6.09
	16-QAM	1715.00	V	123	119	2.92	1 / 1	18.44	21.36	0.137	30.00	-8.64
	16-QAM	1745.00	V	117	121	2.94	1 / 1	19.14	22.08	0.162	30.00	-7.92
	16-QAM	1775.00	V	120	118	2.99	1 / 50	19.66	22.64	0.184	30.00	-7.36
	$\pi/2$ BPSK	1712.50	V	123	119	2.92	1 / 23	20.84	23.76	0.238	30.00	-6.24
40 MHz	$\pi/2$ BPSK	1745.00	V	117	121	2.94	1 / 12	20.85	23.80	0.240	30.00	-6.20
	$\pi/2$ BPSK	1777.50	V	120	118	2.99	1 / 23	20.70	23.69	0.234	30.00	-6.31
	QPSK	1712.50	V	123	119	2.92	1 / 23	20.92	23.83	0.242	30.00	-6.17
	QPSK	1745.00	V	117	121	2.94	1 / 12	20.65	23.59	0.229	30.00	-6.41
	QPSK	1777.50	V	120	118	2.99	1 / 23	20.60	23.59	0.229	30.00	-6.41
	16-QAM	1712.50	V	123	119	2.92	1 / 23	18.18	21.10	0.129	30.00	-8.90
	16-QAM	1745.00	V	117	121	2.94	1 / 12	19.32	22.26	0.168	30.00	-7.74
	16-QAM	1777.50	V	120	118	2.99	1 / 23	19.29	22.28	0.169	30.00	-7.72
40 MHz	QPSK (CP-OFDM)	1745.00	V	120	117	2.94	1 / 108	18.46	21.40	0.138	30.00	-8.60

Table 7-25. EIRP Data (NR Band n66 – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 159 of 196

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	139	43	2.90	1 / 50	15.33	18.23	0.066	30.00	-11.77
	QPSK	1745.00	V	138	46	2.94	1 / 99	16.05	18.99	0.079	30.00	-11.01
	QPSK	1770.00	V	147	37	3.02	1 / 0	9.76	12.78	0.019	30.00	-17.22
	16-QAM	1720.00	V	139	43	2.90	1 / 50	13.33	16.23	0.042	30.00	-13.77
	16-QAM	1745.00	V	138	46	2.94	1 / 99	15.35	18.29	0.068	30.00	-11.71
15 MHz	16-QAM	1770.00	V	147	37	3.02	1 / 0	8.64	11.66	0.015	30.00	-18.34
	QPSK	1717.50	V	139	43	2.90	1 / 37	15.46	18.35	0.068	30.00	-11.65
	QPSK	1745.00	V	138	46	2.94	1 / 74	16.08	19.03	0.080	30.00	-10.97
	QPSK	1772.50	V	147	37	3.02	1 / 37	9.67	12.69	0.019	30.00	-17.31
	16-QAM	1717.50	V	139	43	2.90	1 / 37	13.17	16.07	0.040	30.00	-13.93
10 MHz	16-QAM	1745.00	V	138	46	2.94	1 / 74	15.11	18.05	0.064	30.00	-11.95
	16-QAM	1772.50	V	147	37	3.02	1 / 37	8.90	11.92	0.016	30.00	-18.08
	QPSK	1715.00	V	139	43	2.90	1 / 25	15.60	18.49	0.071	30.00	-11.51
	QPSK	1745.00	V	138	46	2.94	1 / 25	16.31	19.25	0.084	30.00	-10.75
	QPSK	1775.00	V	147	37	3.02	1 / 25	9.83	12.85	0.019	30.00	-17.15
5 MHz	16-QAM	1715.00	V	139	43	2.90	1 / 25	13.36	16.26	0.042	30.00	-13.74
	16-QAM	1745.00	V	138	46	2.94	1 / 25	15.28	18.22	0.066	30.00	-11.78
	16-QAM	1775.00	V	147	37	3.02	1 / 25	8.93	11.95	0.016	30.00	-18.05
	QPSK	1712.50	V	139	43	2.90	1 / 0	15.44	18.34	0.068	30.00	-11.66
	QPSK	1745.00	V	138	46	2.94	1 / 12	16.10	19.04	0.080	30.00	-10.96
3 MHz	QPSK	1777.50	V	147	37	3.02	1 / 12	9.75	12.77	0.019	30.00	-17.23
	16-QAM	1712.50	V	139	43	2.90	1 / 0	13.20	16.10	0.041	30.00	-13.90
	16-QAM	1745.00	V	138	46	2.94	1 / 12	15.30	18.24	0.067	30.00	-11.76
	16-QAM	1777.50	V	147	37	3.02	1 / 12	8.93	11.95	0.016	30.00	-18.05
	QPSK	1711.50	V	139	43	2.90	1 / 0	15.54	18.43	0.070	30.00	-11.57
1.4 MHz	QPSK	1745.00	V	138	46	2.94	1 / 7	16.07	19.01	0.080	30.00	-10.99
	QPSK	1778.50	V	147	37	3.02	1 / 14	9.76	12.78	0.019	30.00	-17.22
	16-QAM	1711.50	V	139	43	2.90	1 / 0	13.21	16.11	0.041	30.00	-13.89
	16-QAM	1745.00	V	138	46	2.94	1 / 7	15.28	18.22	0.066	30.00	-11.78
	16-QAM	1778.50	V	147	37	3.02	1 / 14	8.80	11.82	0.015	30.00	-18.18
1.4 MHz	QPSK	1710.70	V	139	43	2.90	1 / 3	15.48	18.38	0.069	30.00	-11.62
	QPSK	1745.00	V	138	46	2.94	1 / 3	16.19	19.13	0.082	30.00	-10.87
	QPSK	1779.30	V	147	37	3.02	1 / 3	9.69	12.71	0.019	30.00	-17.29
	16-QAM	1710.70	V	139	43	2.90	1 / 3	13.30	16.20	0.042	30.00	-13.80
	16-QAM	1745.00	V	138	46	2.94	1 / 3	15.45	18.39	0.069	30.00	-11.61
	16-QAM	1779.30	V	147	37	3.02	1 / 3	8.66	11.69	0.015	30.00	-18.31

Table 7-26. EIRP Data (LTE Band 66/4 – Ant4)

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]
15 MHz	$\pi/2$ BPSK	1702.50	V	153	40	2.87	1 / 39	16.44	19.31	0.085	30.00	-10.69
	QPSK	1702.50	V	153	40	2.87	1 / 39	16.44	19.31	0.085	30.00	-10.69
	16-QAM	1702.50	V	153	40	2.87	1 / 39	14.90	17.77	0.060	30.00	-12.23
10 MHz	$\pi/2$ BPSK	1700.00	V	153	40	2.86	1 / 1	16.44	19.30	0.085	30.00	-10.70
	$\pi/2$ BPSK	1702.50	V	153	40	2.87	1 / 50	16.42	19.29	0.085	30.00	-10.71
	$\pi/2$ BPSK	1705.00	V	153	40	2.87	1 / 50	16.44	19.31	0.085	30.00	-10.69
	QPSK	1700.00	V	153	40	2.86	1 / 1	16.35	19.21	0.083	30.00	-10.79
	QPSK	1702.50	V	153	40	2.87	1 / 50	16.41	19.27	0.085	30.00	-10.73
	QPSK	1705.00	V	153	40	2.87	1 / 50	16.21	19.08	0.081	30.00	-10.92
	16-QAM	1700.00	V	153	40	2.86	1 / 1	14.76	17.62	0.058	30.00	-12.38
	16-QAM	1702.50	V	153	40	2.87	1 / 50	14.84	17.71	0.059	30.00	-12.29
	16-QAM	1705.00	V	153	40	2.87	1 / 50	14.82	17.69	0.059	30.00	-12.31
5 MHz	$\pi/2$ BPSK	1697.50	V	153	40	2.86	1 / 1	16.43	19.29	0.085	30.00	-10.71
	$\pi/2$ BPSK	1702.50	V	153	40	2.87	1 / 12	16.44	19.31	0.085	30.00	-10.69
	$\pi/2$ BPSK	1707.50	V	153	40	2.88	1 / 1	16.38	19.26	0.084	30.00	-10.74
	QPSK	1697.50	V	153	40	2.86	1 / 1	16.37	19.23	0.084	30.00	-10.77
	QPSK	1702.50	V	153	40	2.87	1 / 12	16.41	19.28	0.085	30.00	-10.72
	QPSK	1707.50	V	153	40	2.88	1 / 1	16.36	19.24	0.084	30.00	-10.76
	16-QAM	1697.50	V	153	40	2.86	1 / 1	14.74	17.61	0.058	30.00	-12.39
	16-QAM	1702.50	V	153	40	2.87	1 / 12	14.73	17.59	0.057	30.00	-12.41
	16-QAM	1707.50	V	153	40	2.88	1 / 1	14.70	17.57	0.057	30.00	-12.43
15 MHz	QPSK (CP-OFDM)	1702.50	V	153	40	2.87	1 / 39	13.77	16.64	0.046	30.00	-13.36

Table 7-27. EIRP Data (NR Band n70 – Ant4)

FCC ID: A3LSMG766U	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	192	42	2.92	1 / 1	15.42	18.34	0.068	30.00	-11.66
	$\pi/2$ BPSK	1745.00	V	182	36	2.94	1 / 1	14.25	17.19	0.052	30.00	-12.81
	$\pi/2$ BPSK	1760.00	V	127	109	2.99	1 / 108	13.83	16.82	0.048	30.00	-13.18
	QPSK	1730.00	V	192	42	2.92	1 / 1	15.25	18.17	0.066	30.00	-11.83
	QPSK	1745.00	V	182	36	2.94	1 / 1	14.18	17.12	0.052	30.00	-12.88
	QPSK	1760.00	V	127	109	2.99	1 / 108	13.52	16.51	0.045	30.00	-13.49
	16-QAM	1730.00	V	192	42	2.92	1 / 1	13.92	16.84	0.048	30.00	-13.16
	16-QAM	1745.00	V	182	36	2.94	1 / 1	12.84	15.78	0.038	30.00	-14.22
35 MHz	$\pi/2$ BPSK	1760.00	V	127	109	2.99	1 / 108	12.19	15.18	0.033	30.00	-14.82
	$\pi/2$ BPSK	1727.50	V	192	42	2.92	1 / 1	15.56	18.47	0.070	30.00	-11.53
	$\pi/2$ BPSK	1745.00	V	182	36	2.94	1 / 94	14.24	17.19	0.052	30.00	-12.81
	$\pi/2$ BPSK	1762.50	V	127	109	2.99	1 / 1	13.94	16.93	0.049	30.00	-13.07
	QPSK	1727.50	V	192	42	2.92	1 / 1	15.32	18.23	0.067	30.00	-11.77
	QPSK	1745.00	V	182	36	2.94	1 / 94	14.48	17.42	0.055	30.00	-12.58
	QPSK	1762.50	V	127	109	2.99	1 / 1	13.56	16.55	0.045	30.00	-13.45
	16-QAM	1727.50	V	192	42	2.92	1 / 1	14.14	17.05	0.051	30.00	-12.95
30 MHz	16-QAM	1745.00	V	182	36	2.94	1 / 94	12.80	15.75	0.038	30.00	-14.25
	16-QAM	1762.50	V	127	109	2.99	1 / 1	12.25	15.24	0.033	30.00	-14.76
	$\pi/2$ BPSK	1725.00	V	192	42	2.92	1 / 80	15.55	18.46	0.070	30.00	-11.54
	$\pi/2$ BPSK	1745.00	V	182	36	2.94	1 / 1	14.37	17.31	0.054	30.00	-12.69
	$\pi/2$ BPSK	1765.00	V	127	109	2.99	1 / 1	13.77	16.76	0.047	30.00	-13.24
	QPSK	1725.00	V	192	42	2.92	1 / 80	15.27	18.18	0.066	30.00	-11.82
	QPSK	1745.00	V	182	36	2.94	1 / 1	14.49	17.43	0.055	30.00	-12.57
	QPSK	1765.00	V	127	109	2.99	1 / 1	13.44	16.43	0.044	30.00	-13.57
25 MHz	16-QAM	1725.00	V	192	42	2.92	1 / 80	14.06	16.98	0.050	30.00	-13.02
	16-QAM	1745.00	V	182	36	2.94	1 / 1	13.32	16.26	0.042	30.00	-13.74
	16-QAM	1765.00	V	127	109	2.99	1 / 1	12.04	15.03	0.032	30.00	-14.97
	$\pi/2$ BPSK	1722.5	V	127	109	2.92	1 / 1	15.55	18.47	0.070	30.00	-11.53
	$\pi/2$ BPSK	1745.0	V	127	109	2.94	1 / 1	14.32	17.26	0.053	30.00	-12.74
	$\pi/2$ BPSK	1767.5	V	127	109	2.99	1 / 131	13.95	16.94	0.049	30.00	-13.06
	QPSK	1722.5	V	127	109	2.92	1 / 1	15.37	18.29	0.067	30.00	-11.71
	QPSK	1745.0	V	127	109	2.94	1 / 1	14.61	17.55	0.057	30.00	-12.45
20 MHz	QPSK	1767.5	V	127	109	2.99	1 / 131	13.46	16.44	0.044	30.00	-13.56
	16-QAM	1722.5	V	127	109	2.92	1 / 1	14.25	17.17	0.052	30.00	-12.83
	16-QAM	1745.0	V	127	109	2.94	1 / 1	13.38	16.32	0.043	30.00	-13.68
	16-QAM	1767.5	V	127	109	2.99	1 / 131	11.93	14.91	0.031	30.00	-15.09
	$\pi/2$ BPSK	1720.00	V	192	42	2.92	1 / 1	15.52	18.44	0.070	30.00	-11.56
	$\pi/2$ BPSK	1745.00	V	182	36	2.94	1 / 1	14.31	17.26	0.053	30.00	-12.74
	$\pi/2$ BPSK	1770.00	V	127	109	2.99	1 / 104	13.67	16.65	0.046	30.00	-13.35
	QPSK	1720.00	V	192	42	2.92	1 / 1	15.38	18.30	0.068	30.00	-11.70
15 MHz	QPSK	1745.00	V	182	36	2.94	1 / 1	14.50	17.45	0.056	30.00	-12.55
	QPSK	1770.00	V	127	109	2.99	1 / 104	13.33	16.31	0.043	30.00	-13.69
	16-QAM	1720.00	V	192	42	2.92	1 / 1	13.71	16.63	0.046	30.00	-13.37
	16-QAM	1745.00	V	182	36	2.94	1 / 1	13.31	16.25	0.042	30.00	-13.75
	16-QAM	1770.00	V	127	109	2.99	1 / 104	11.98	14.96	0.031	30.00	-15.04
	$\pi/2$ BPSK	1717.50	V	192	42	2.92	1 / 77	15.53	18.45	0.070	30.00	-11.55
	$\pi/2$ BPSK	1745.00	V	182	36	2.94	1 / 77	14.14	17.08	0.051	30.00	-12.92
	$\pi/2$ BPSK	1772.50	V	127	109	2.99	1 / 77	13.58	16.56	0.045	30.00	-13.44
10 MHz	QPSK	1717.50	V	192	42	2.92	1 / 77	15.38	18.30	0.068	30.00	-11.70
	QPSK	1745.00	V	182	36	2.94	1 / 77	14.33	17.27	0.053	30.00	-12.73
	QPSK	1772.50	V	127	109	2.99	1 / 77	13.42	16.41	0.044	30.00	-13.59
	16-QAM	1717.50	V	192	42	2.92	1 / 77	14.38	17.29	0.054	30.00	-12.71
	16-QAM	1745.00	V	182	36	2.94	1 / 77	12.96	15.90	0.039	30.00	-14.10
	16-QAM	1772.50	V	127	109	2.99	1 / 77	11.82	14.80	0.030	30.00	-15.20
	$\pi/2$ BPSK	1715.00	V	192	42	2.92	1 / 26	15.44	18.35	0.068	30.00	-11.65
	$\pi/2$ BPSK	1745.00	V	182	36	2.94	1 / 26	14.07	17.01	0.050	30.00	-12.99
5 MHz	$\pi/2$ BPSK	1775.00	V	127	109	2.99	1 / 26	13.55	16.54	0.045	30.00	-13.46
	QPSK	1715.00	V	192	42	2.92	1 / 26	15.21	18.12	0.065	30.00	-11.88
	QPSK	1745.00	V	182	36	2.94	1 / 26	14.23	17.17	0.052	30.00	-12.83
	QPSK	1775.00	V	127	109	2.99	1 / 26	13.21	16.20	0.042	30.00	-13.80
	16-QAM	1715.00	V	192	42	2.92	1 / 26	13.68	16.59	0.046	30.00	-13.41
	16-QAM	1745.00	V	182	36	2.94	1 / 26	13.09	16.03	0.040	30.00	-13.97
	16-QAM	1775.00	V	127	109	2.99	1 / 26	11.43	14.42	0.028	30.00	-15.58
	$\pi/2$ BPSK	1712.50	V	192	42	2.92	1 / 12	15.49	18.41	0.069	30.00	-11.59
40 MHz	$\pi/2$ BPSK	1745.00	V	182	36	2.94	1 / 23	14.05	16.99	0.050	30.00	-13.01
	$\pi/2$ BPSK	1777.50	V	127	109	2.99	1 / 1	13.41	16.39	0.044	30.00	-13.61
	QPSK	1712.50	V	192	42	2.92	1 / 12	15.22	18.14	0.065	30.00	-11.86
	QPSK	1745.00	V	182	36	2.94	1 / 23	14.29	17.23	0.053	30.00	-12.77
	QPSK	1777.50	V	127	109	2.99	1 / 1	13.01	15.99	0.040	30.00	-14.01
	16-QAM	1712.50	V	192	42	2.92	1 / 12	13.79	16.70	0.047	30.00	-13.30
	16-QAM	1745.00	V	182	36	2.94	1 / 23	12.93	15.88	0.039	30.00	-14.12
	16-QAM	1777.50	V	127	109	2.99	1 / 1	11.48	14.47	0.028	30.00	-15.53
40 MHz	QPSK (CP-OFDM)	1730.00	V	192	42	2.92	1 / 1	12.76	15.68	0.037	30.00	-14.32

Table 7-28. EIRP Data (NR Band n66 – Ant4)

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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.

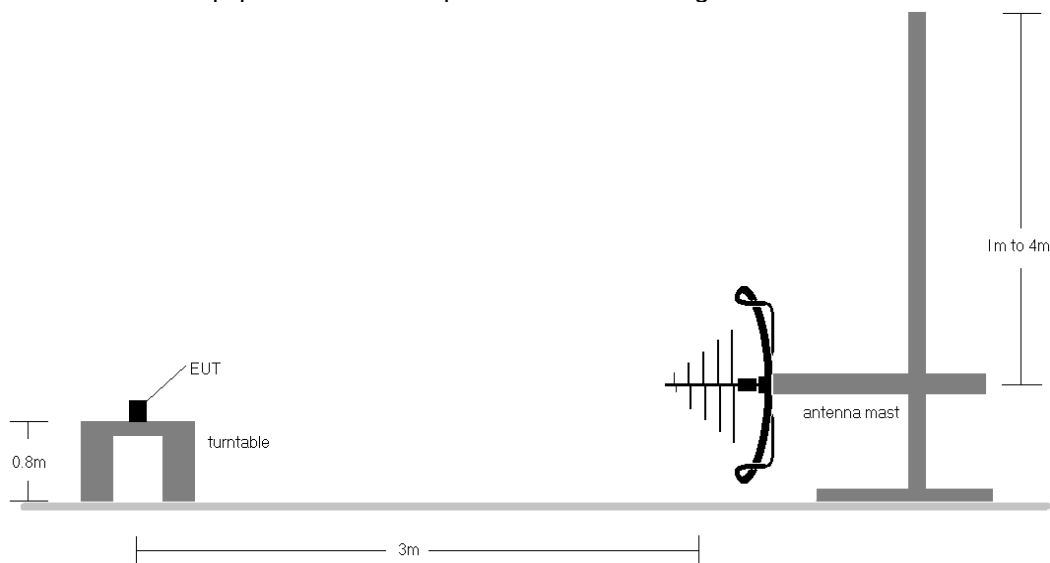


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

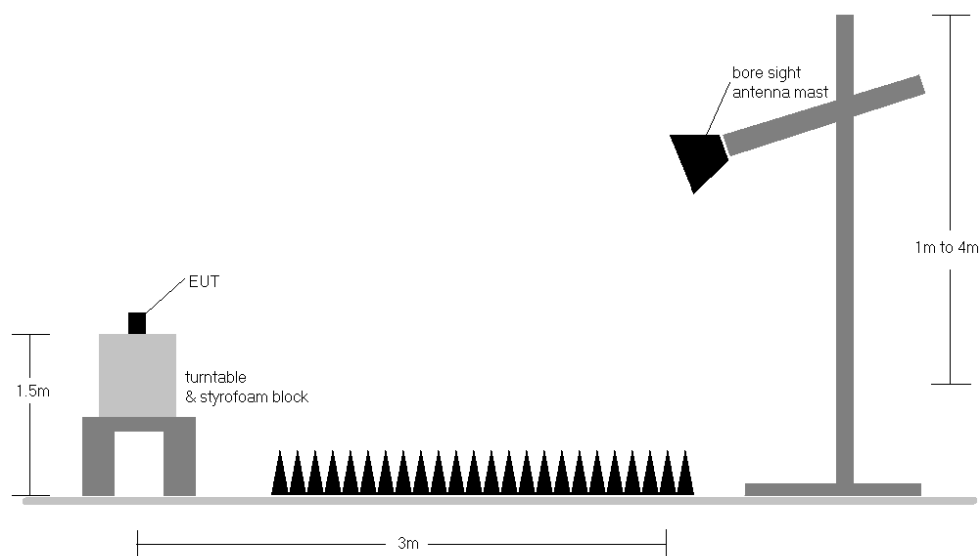


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

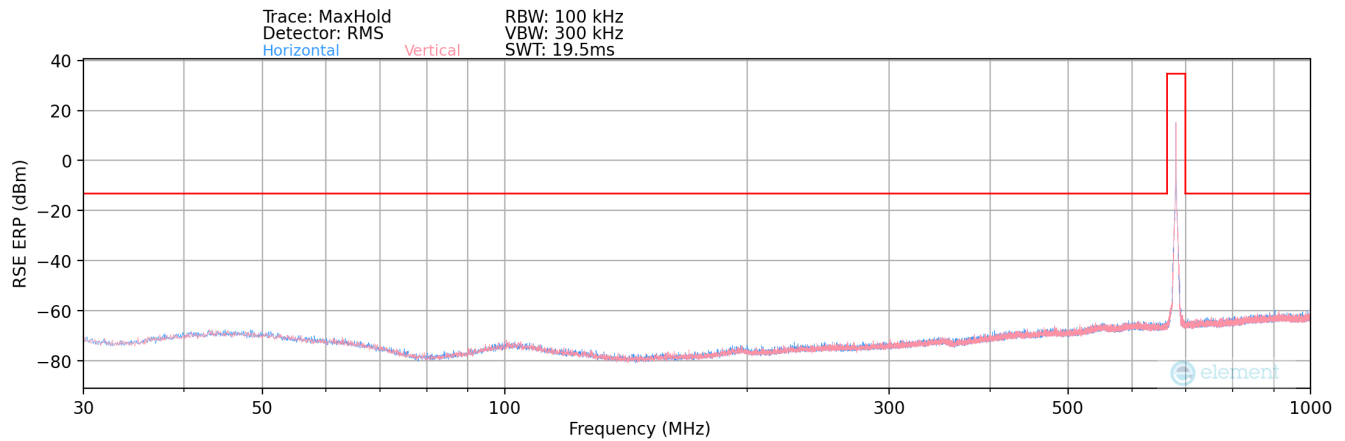
FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 3) This unit was tested with its standard battery.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.
- 8) Spurious emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case. Spurious emissions from the NR carrier device are subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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LTE Band 71 – Ant1

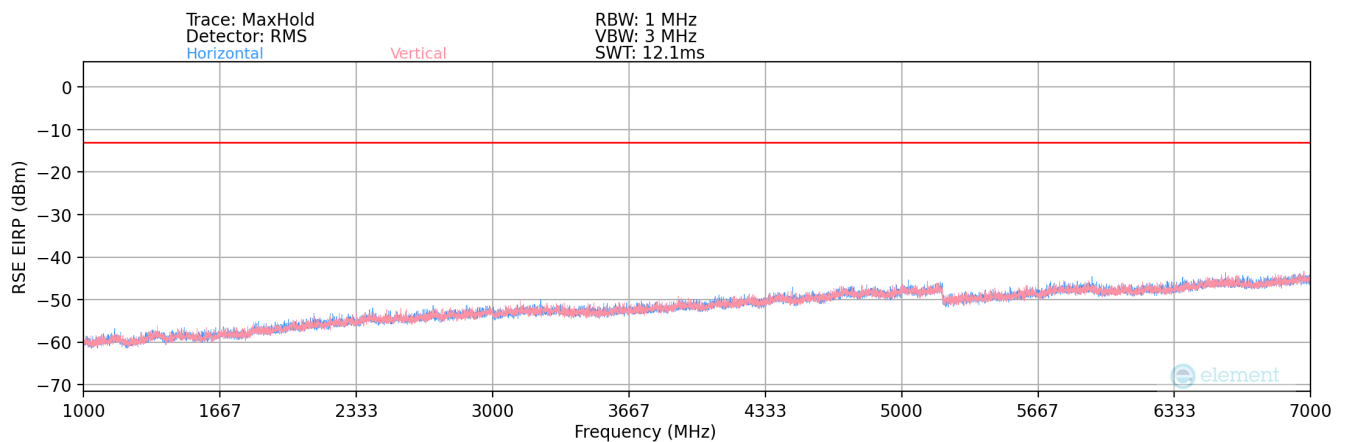


Plot 7-216. Radiated Spurious Plot (LTE Band 71 – Ant1)

Bandwidth (MHz):	20
Frequency (MHz):	673
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]
402.00	H	-	-	-114.76	-8.36	-16.12	-113.52	-13.00	-100.52

Table 7-29. Radiated Spurious Data (LTE Band 71 – Low Channel – Ant1)



Plot 7-217. Radiated Spurious Plot (LTE Band 71 – Ant1)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	673
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]
1346.00	H	167	164	-72.76	-0.35	33.89	-61.36	-13.00	-48.36
2019.00	H	-	-	-78.88	2.42	30.54	-64.72	-13.00	-51.72
2692.00	H	-	-	-79.08	4.85	32.77	-62.49	-13.00	-49.49
3365.00	H	-	-	-79.71	6.55	33.84	-61.42	-13.00	-48.42

Table 7-30. Radiated Spurious Data (LTE Band 71 – Low Channel – Ant1)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	H	127	155	-74.59	-0.27	32.14	-63.11	-13.00	-50.11
2041.50	H	-	-	-78.14	1.85	30.71	-64.55	-13.00	-51.55
2722.00	H	-	-	-79.27	4.93	32.66	-62.60	-13.00	-49.60
3402.50	H	-	-	-79.79	6.42	33.63	-61.63	-13.00	-48.63

Table 7-31. Radiated Spurious Data (LTE Band 71 – Mid Channel – Ant1)

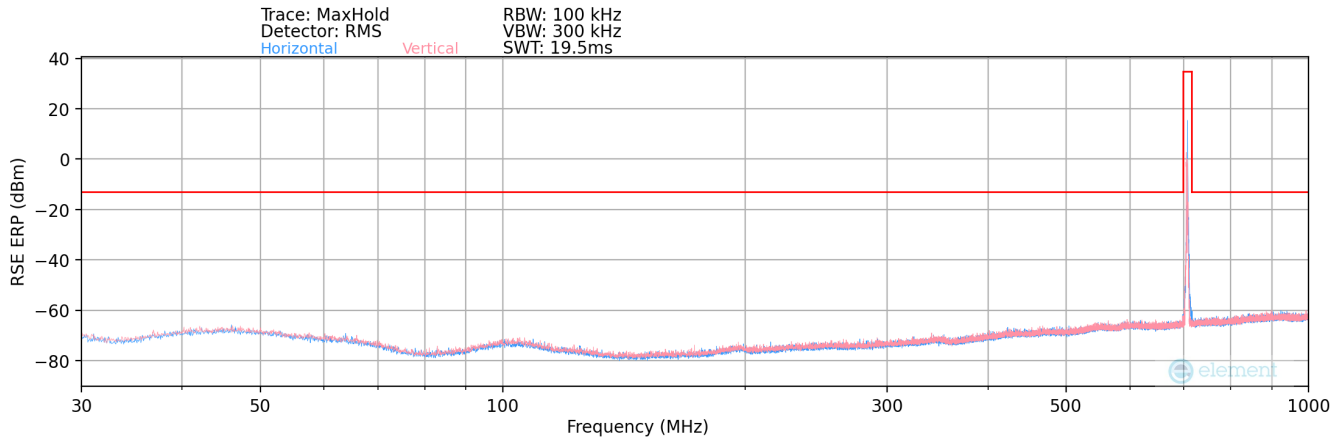
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50

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]
1376.00	H	143	163	-77.25	-0.56	29.19	-66.07	-13.00	-53.07
2064.00	H	-	-	-78.40	1.76	30.36	-64.89	-13.00	-51.89
2752.00	H	-	-	-79.29	4.49	32.20	-63.06	-13.00	-50.06
3440.00	H	-	-	-79.95	6.90	33.95	-61.31	-13.00	-48.31

Table 7-32. Radiated Spurious Data (LTE Band 71 – High Channel – Ant1)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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LTE Band 12 – Ant1

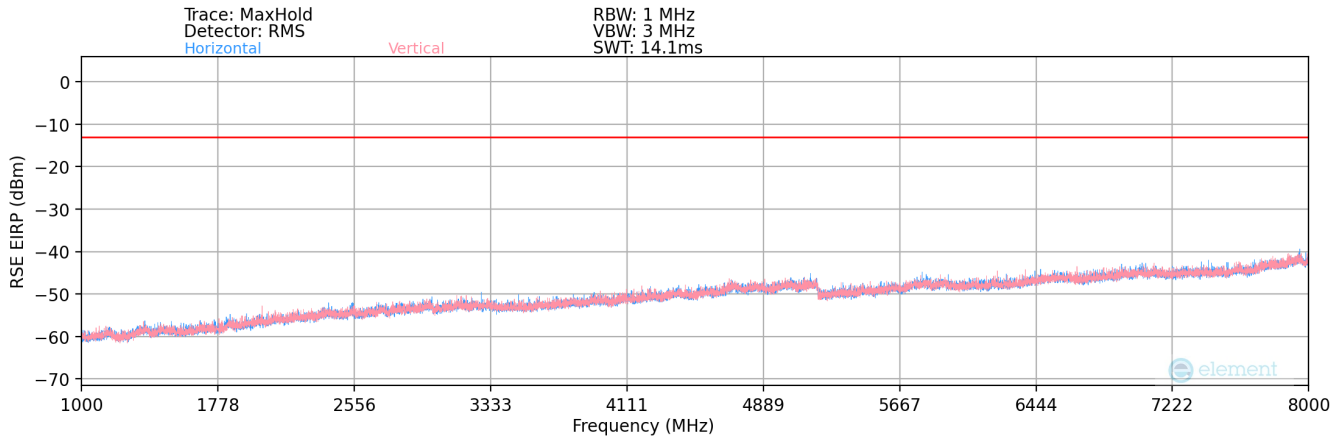


Plot 7-218. Radiated Spurious Plot (LTE Band 12 – Ant1)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
557.00	V	-	-	-118.37	-6.02	-17.39	-114.80	-13.00	-101.80

Table 7-33. Radiated Spurious Data (LTE Band 12 – Low Channel – Ant1)



Plot 7-219. Radiated Spurious Plot (LTE Band 12 – Ant1)

FCC ID: A3LSMG766U	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	V	355	71	-72.87	-2.67	31.46	-63.80	-13.00	-50.80
2112.00	V	135	138	-60.71	1.47	47.76	-47.50	-13.00	-34.50
2816.00	V	-	-	-78.56	3.75	32.19	-63.07	-13.00	-50.07
3520.00	V	-	-	-78.45	4.43	32.98	-62.28	-13.00	-49.28
4224.00	V	-	-	-79.09	5.58	33.49	-61.77	-13.00	-48.77

Table 7-34. Radiated Spurious Data (LTE Band 12 – 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	V	342	74	-74.94	-2.65	29.41	-65.85	-13.00	-52.85
2122.50	V	194	155	-62.34	1.56	46.22	-49.03	-13.00	-36.03
2830.00	V	-	-	-78.54	3.39	31.85	-63.41	-13.00	-50.41
3537.50	V	-	-	-78.44	4.43	32.99	-62.27	-13.00	-49.27
4245.00	V	-	-	-78.29	5.54	34.25	-61.01	-13.00	-48.01

Table 7-35. Radiated Spurious Data (LTE Band 12 – Mid Channel – Ant1)

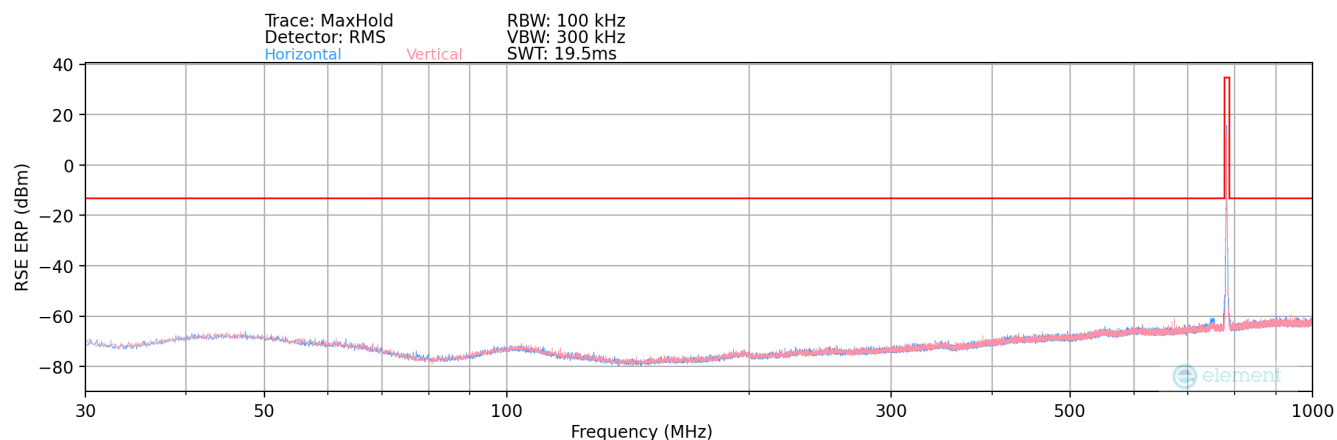
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

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	V	150	104	-75.55	-2.55	28.90	-66.36	-13.00	-53.36
2133.00	V	149	156	-63.44	1.64	45.20	-50.06	-13.00	-37.06
2844.00	V	-	-	-78.49	3.18	31.69	-63.57	-13.00	-50.57
3555.00	V	-	-	-78.43	4.54	33.11	-62.15	-13.00	-49.15
4266.00	V	-	-	-79.21	5.37	33.16	-62.09	-13.00	-49.09

Table 7-36. Radiated Spurious Data (LTE Band 12 – High Channel – Ant1)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant1



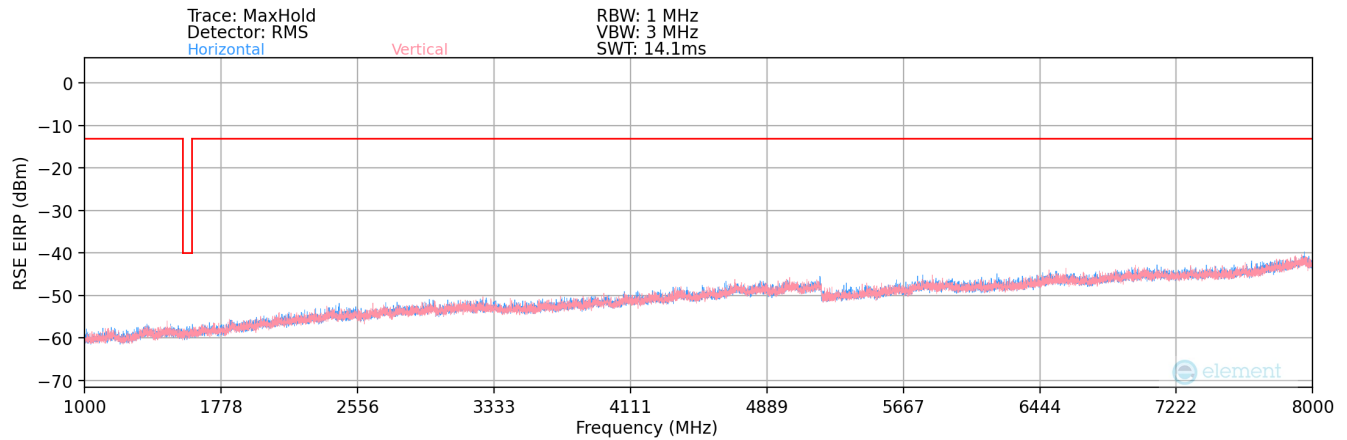
Plot 7-220. Radiated Spurious Plot (LTE Band 13 – Ant1)

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]
66.00	H	-	-	-111.48	-14.35	-18.83	-116.23	-13.00	-103.23

Table 7-37. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant1)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset		Page 169 of 196



Plot 7-221. Radiated Spurious Plot (LTE Band 13 – Ant1)

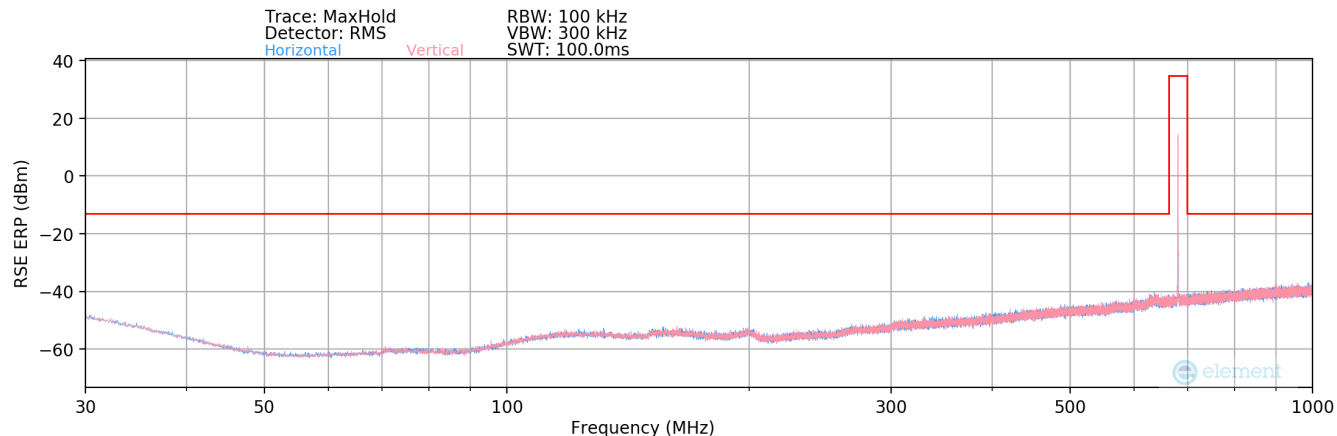
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	H	224	70	-76.08	-1.45	29.47	-65.79	-40.00	-25.79
2346.00	H	152	151	-66.63	2.43	42.80	-52.46	-13.00	-39.46
3128.00	H	-	-	-78.44	3.84	32.40	-62.86	-13.00	-49.86
3910.00	H	-	-	-79.12	4.71	32.59	-62.66	-13.00	-49.66
4692.00	H	-	-	-79.23	5.92	33.69	-61.57	-13.00	-48.57

Table 7-38. Radiated Spurious Data (LTE Band 13 – Mid Channel – Ant1)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset		Page 170 of 196

NR Band n71 – Ant1

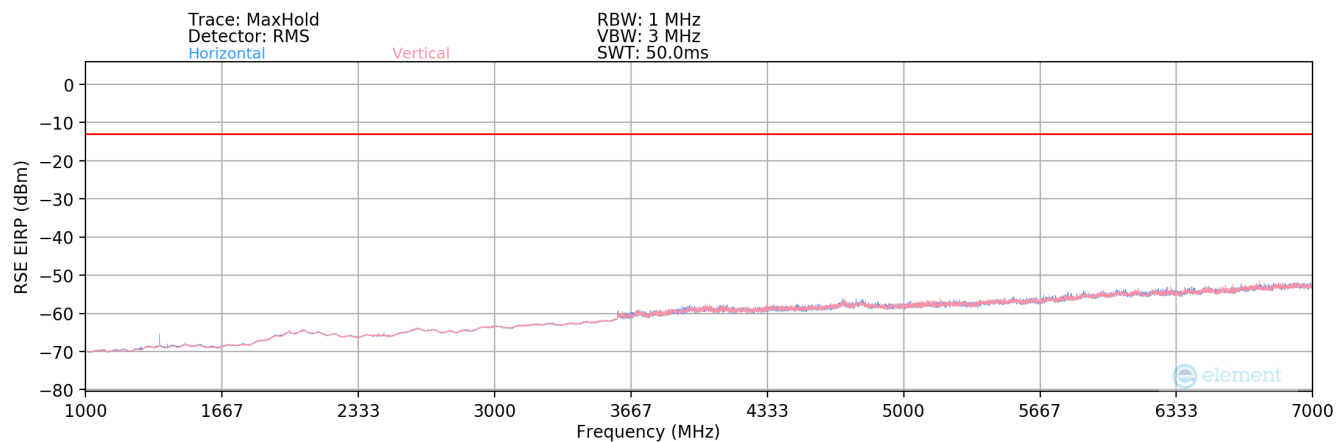


Plot 7-222. Radiated Spurious Plot (NR Band n71 – Ant1)

Bandwidth (MHz):	20
Frequency (MHz):	673
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]
297.00	H	-	-	-86.13	-11.29	9.58	-87.83	-13.00	-74.83

Table 7-39. Radiated Spurious Data (NR Band n71 – Low Channel – Ant1)



Plot 7-223. Radiated Spurious Plot (NR Band n71 – Ant1)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 171 of 196

Bandwidth (MHz):	20
Frequency (MHz):	673
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]
1346.00	H	149	174	-72.27	-0.35	34.38	-60.87	-13.00	-47.87
2019.00	H	-	-	-78.65	2.42	30.77	-64.49	-13.00	-51.49
2692.00	H	-	-	-79.05	4.85	32.80	-62.46	-13.00	-49.46
3365.00	H	-	-	-79.89	6.55	33.66	-61.60	-13.00	-48.60

Table 7-40. Radiated Spurious Data (NR Band n71 – Low Channel – Ant1)

Bandwidth (MHz):	20
Frequency (MHz):	680.5
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]
1361.00	H	127	180	-74.58	-0.27	32.15	-63.10	-13.00	-50.10
2041.50	H	-	-	-78.26	1.85	30.59	-64.67	-13.00	-51.67
2722.00	H	-	-	-79.36	4.93	32.57	-62.69	-13.00	-49.69
3402.50	H	-	-	-79.73	6.42	33.69	-61.57	-13.00	-48.57

Table 7-41. Radiated Spurious Data (NR Band n71 – Mid Channel – Ant1)

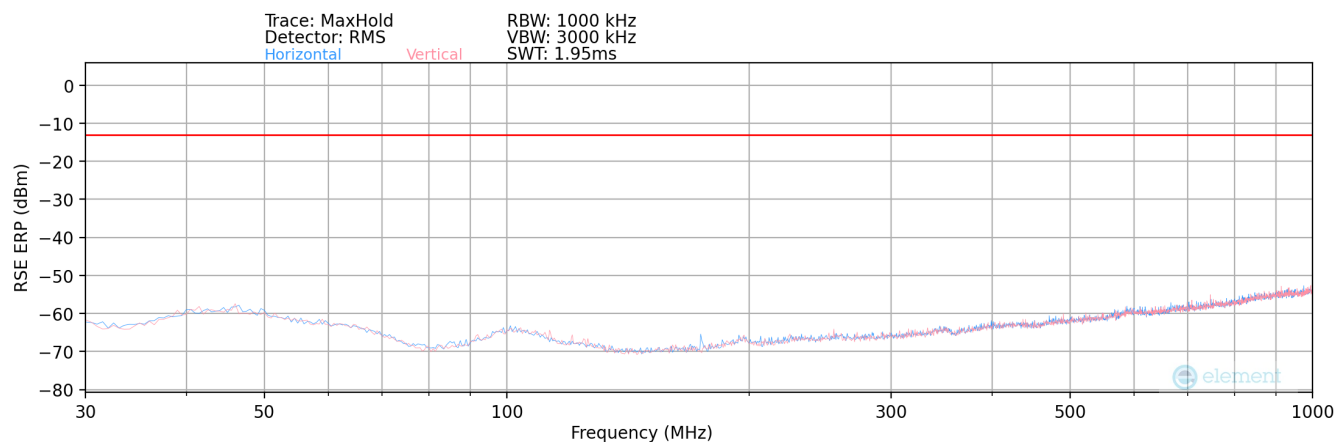
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 53

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]
1376.00	H	-	-	-77.92	-0.56	28.52	-66.74	-13.00	-53.74
2064.00	H	-	-	-78.40	1.76	30.36	-64.89	-13.00	-51.89
2752.00	H	-	-	-79.39	4.49	32.10	-63.16	-13.00	-50.16

Table 7-42. Radiated Spurious Data (NR Band n71 – High Channel – Ant1)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA AWS – Ant2

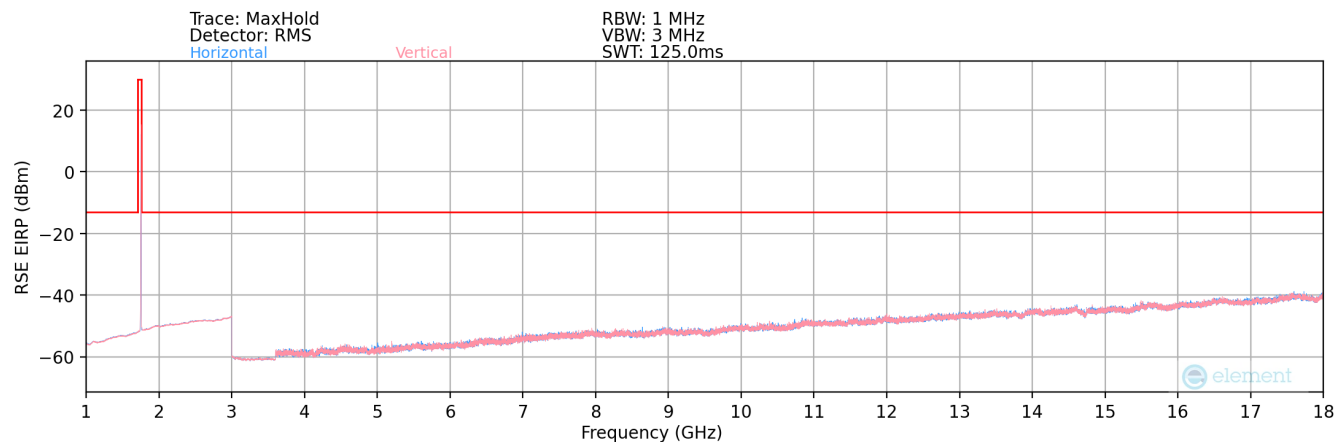


Plot 7-224. Radiated Spurious Plot (WCDMA AWS – Ant2)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
747.00	V	-	-	-86.99	-2.71	17.30	-80.11	-13.00	-67.11

7-43. Radiated Spurious Data (WCDMA AWS – Low Channel – Ant2)



Plot 7-225. Radiated Spurious Plot (WCDMA AWS – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 173 of 196

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	V	-	-	-78.93	5.38	33.45	-61.81	-13.00	-48.81
5137.20	V	-	-	-80.48	7.54	34.06	-61.20	-13.00	-48.20
6849.60	V	135	265	-80.27	11.63	38.36	-56.90	-13.00	-43.90
8562.00	V	-	-	-82.32	13.18	37.86	-57.39	-13.00	-44.39
10274.40	V	-	-	-82.66	16.38	40.72	-54.54	-13.00	-41.54
11986.80	V	-	-	-82.75	18.67	42.92	-52.34	-13.00	-39.34

7-44. Radiated Spurious Data (WCDMA AWS – Low Channel – Ant2)

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	V	-	-	-78.82	5.23	33.41	-61.84	-13.00	-48.84
5197.80	V	-	-	-79.96	7.24	34.28	-60.98	-13.00	-47.98
6930.40	V	121	274	-78.58	11.31	39.73	-55.53	-13.00	-42.53
8663.00	V	-	-	-82.18	13.33	38.15	-57.11	-13.00	-44.11
10395.60	V	-	-	-83.32	16.50	40.18	-55.08	-13.00	-42.08
12128.20	V	-	-	-82.84	18.72	42.88	-52.37	-13.00	-39.37

Table 7-45. Radiated Spurious Data (WCDMA AWS – Mid Channel – Ant2)

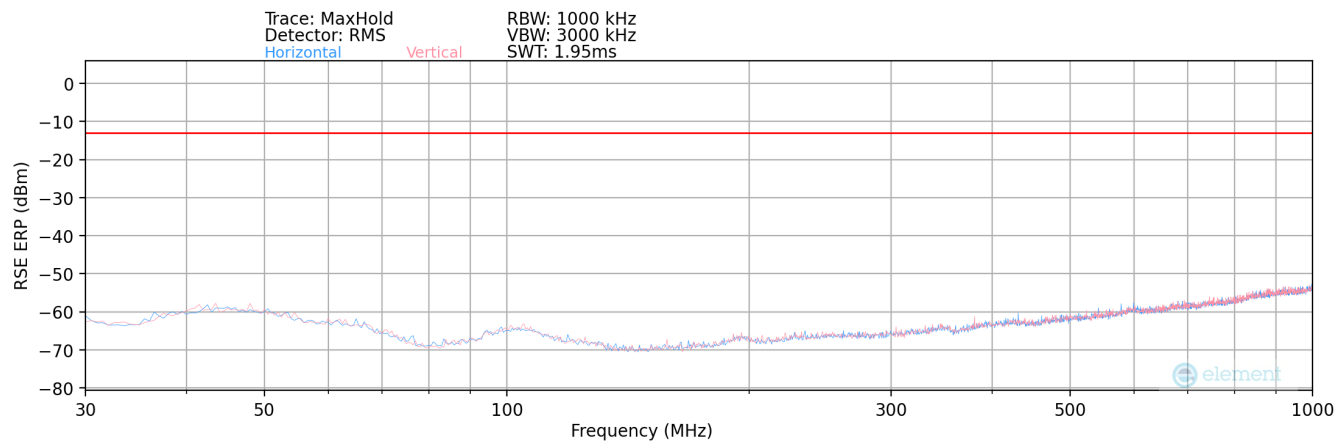
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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	V	-	-	-78.66	5.31	33.65	-61.61	-13.00	-48.61
5257.80	V	-	-	-80.18	7.03	33.85	-61.41	-13.00	-48.41
7010.40	V	118	266	-78.75	11.09	39.34	-55.92	-13.00	-42.92
8763.00	V	-	-	-81.90	13.67	38.77	-56.48	-13.00	-43.48
10515.60	V	-	-	-82.90	16.40	40.50	-54.76	-13.00	-41.76
12268.20	V	-	-	-83.17	19.44	43.27	-51.99	-13.00	-38.99

Table 7-46. Radiated Spurious Data (WCDMA AWS – High Channel – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – Ant2

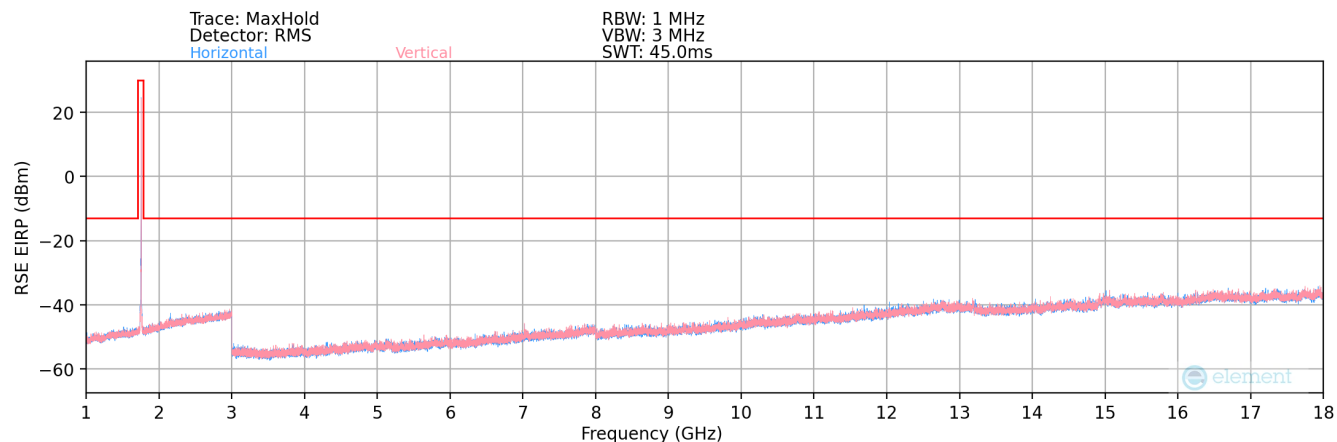


Plot 7-226. Radiated Spurious Plot (LTE Band 66/4 – Ant2)

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
433.00	H	-	-	-114.85	-7.85	-15.70	-113.11	-13.00	-100.11

Table 7-47. Radiated Spurious Data (LTE Band 66/4 – Low Channel – Ant2)



Plot 7-227. Radiated Spurious Plot (LTE Band 66/4 – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 175 of 196

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	175	191	-68.50	5.27	43.77	-51.49	-13.00	-38.49
5160.00	H	126	309	-68.50	7.54	46.04	-49.22	-13.00	-36.22
6880.00	H	119	33	-79.52	11.63	39.11	-56.14	-13.00	-43.14
8600.00	H	-	-	-82.28	13.51	38.23	-57.03	-13.00	-44.03
10320.00	H	-	-	-82.60	16.06	40.46	-54.80	-13.00	-41.80
12040.00	H	-	-	-82.46	18.62	43.16	-52.10	-13.00	-39.10

Table 7-48. Radiated Spurious Data (LTE Band 66/4 – Low Channel – Ant2)

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	120	194	-67.75	5.31	44.56	-50.69	-13.00	-37.69
5235.00	H	149	296	-78.88	7.26	35.38	-59.88	-13.00	-46.88
6980.00	H	143	2	-78.99	11.06	39.07	-56.18	-13.00	-43.18
8725.00	H	-	-	-81.81	13.42	38.61	-56.65	-13.00	-43.65
10470.00	H	-	-	-83.50	16.54	40.04	-55.22	-13.00	-42.22
12215.00	H	-	-	-82.47	19.10	43.63	-51.63	-13.00	-38.63

Table 7-49. Radiated Spurious Data (LTE Band 66/4 – Mid Channel – Ant2)

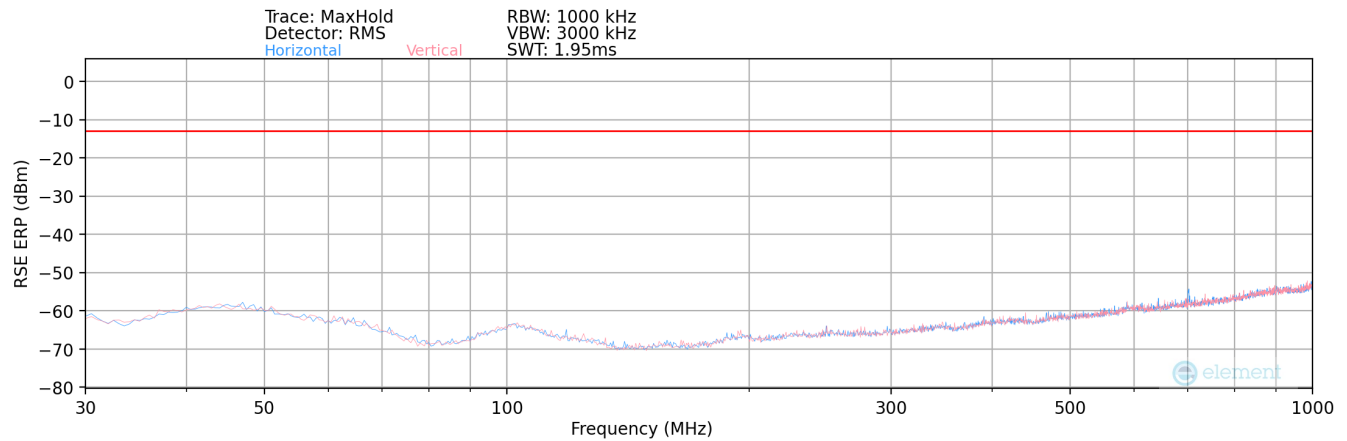
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

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	339	221	-76.28	5.24	35.96	-59.30	-13.00	-46.30
5310.00	H	-	-	-80.22	7.65	34.43	-60.83	-13.00	-47.83
7080.00	H	-	-	-80.85	11.66	37.81	-57.45	-13.00	-44.45
8850.00	H	-	-	-81.39	13.80	39.41	-55.84	-13.00	-42.84

Table 7-50. Radiated Spurious Data (LTE Band 66/4 – High Channel – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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NR Band n70 – Ant2



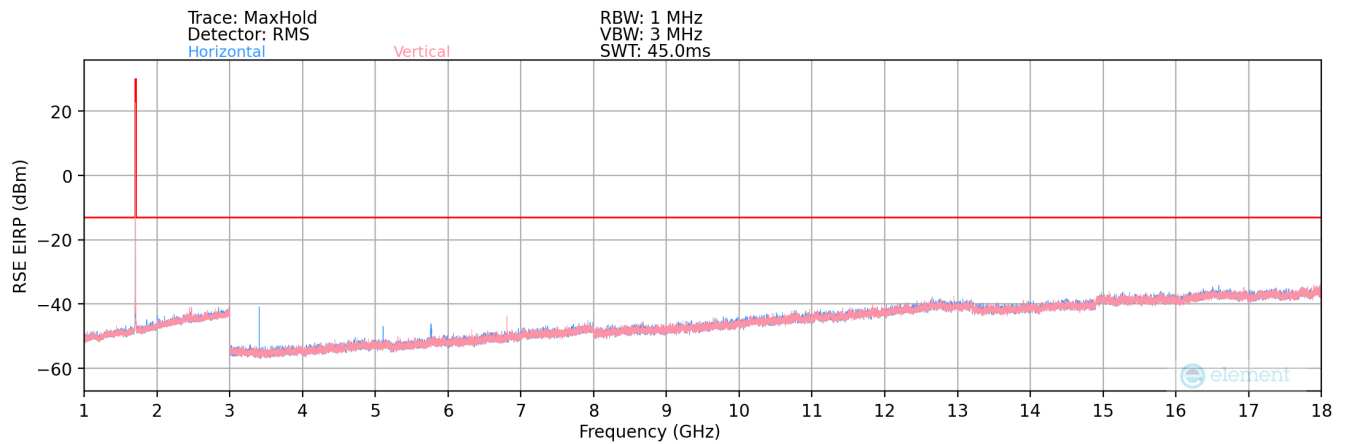
Plot 7-228. Radiated Spurious Plot (NR Band n70 – Ant2)

Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 39

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]
704.00	H	-	-	-86.73	-3.45	16.82	-80.59	-13.00	-67.59

Table 7-51. Radiated Spurious Data (NR Band n70 – Mid Channel – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Plot 7-229. Radiated Spurious Plot (NR Band n70 – Ant2)

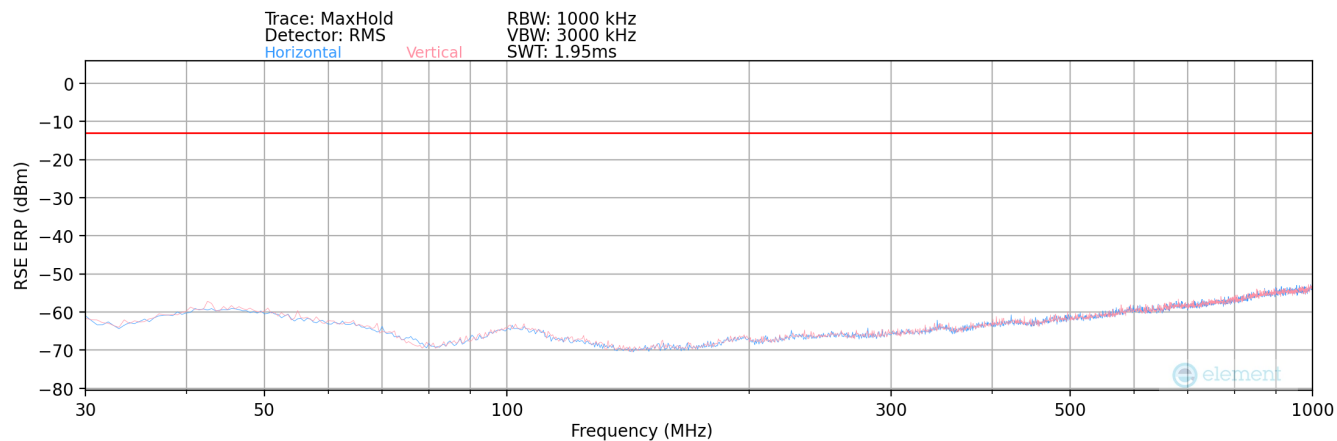
Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 39

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]
3405.00	H	134	206	-63.88	7.14	50.26	-45.00	-13.00	-32.00
5107.50	H	134	197	-71.20	10.35	46.15	-49.11	-13.00	-36.11
6810.00	H	124	201	-80.75	13.62	39.87	-55.38	-13.00	-42.38
8512.50	H	-	-	-82.50	16.10	40.60	-54.66	-13.00	-41.66
10215.00	H	-	-	-83.33	19.60	43.27	-51.99	-13.00	-38.99
11917.50	H	-	-	-83.49	21.64	45.15	-50.11	-13.00	-37.11

Table 7-52. Radiated Spurious Data (NR Band n70 – Mid Channel – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset		Page 178 of 196

NR Band n66 – Ant2

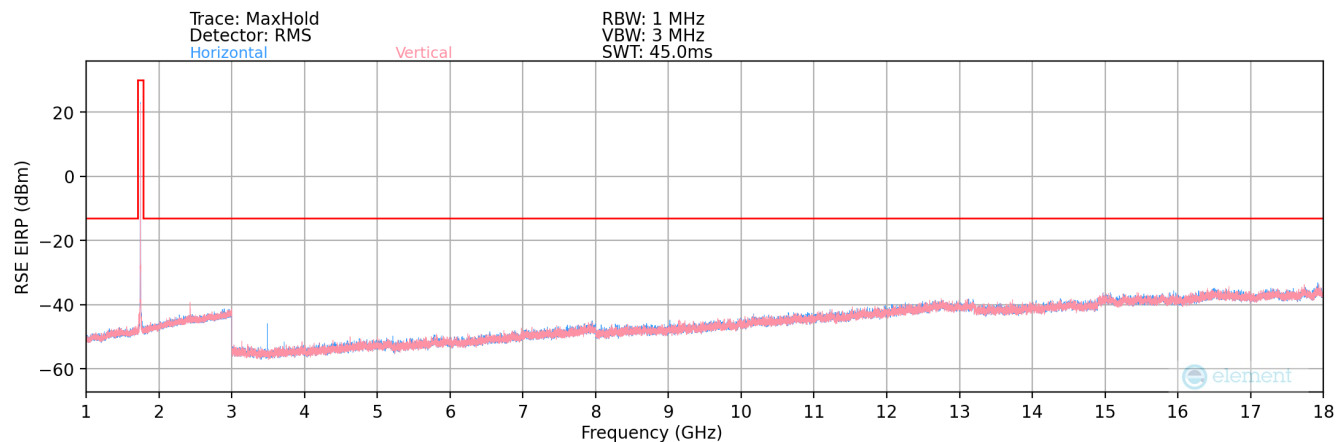


Plot 7-230. Radiated Spurious Plot (NR Band n66 – Ant2)

Bandwidth (MHz):	40
Frequency (MHz):	1730
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
405.00	H	-	-	-84.77	-8.31	13.92	-83.49	-13.00	-70.49

Table 7-53. Radiated Spurious Data (NR Band n66 – Low Channel – Ant2)



Plot 7-231. Radiated Spurious Plot (NR Band n66 – Ant2)

FCC ID: A3LSMG766U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2501020001-09.A3L	Test Dates: 1/6/2025 – 3/5/2025	EUT Type: Portable Handset	Page 179 of 196

Bandwidth (MHz):	40
Frequency (MHz):	1730
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.00	H	120	201	-68.31	7.09	45.78	-49.48	-13.00	-36.48
5190.00	H	135	195	-77.24	10.36	40.12	-55.13	-13.00	-42.13
6920.00	H	-	-	-81.46	13.69	39.23	-56.03	-13.00	-43.03
8650.00	H	-	-	-82.64	16.92	41.28	-53.98	-13.00	-40.98
10380.00	H	-	-	-83.06	19.71	43.65	-51.61	-13.00	-38.61

Table 7-54. Radiated Spurious Data (NR Band n66 – Low Channel – Ant2)

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.00	H	124	199	-69.09	7.16	45.07	-50.19	-13.00	-37.19
5235.00	H	139	196	-79.24	10.29	38.05	-57.21	-13.00	-44.21
6980.00	H	-	-	-81.67	13.87	39.20	-56.06	-13.00	-43.06
8725.00	H	-	-	-82.39	16.38	40.99	-54.27	-13.00	-41.27
10470.00	H	-	-	-83.10	19.31	43.21	-52.05	-13.00	-39.05

Table 7-55. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant2)

Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 108

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.00	H	103	197	-67.94	7.16	46.22	-49.03	-13.00	-36.03
5280.00	H	109	207	-79.85	10.33	37.48	-57.78	-13.00	-44.78
7040.00	H	-	-	-82.02	15.11	40.09	-55.16	-13.00	-42.16
8800.00	H	-	-	-82.89	16.90	41.01	-54.25	-13.00	-41.25
10560.00	H	-	-	-83.09	19.74	43.65	-51.61	-13.00	-38.61

Table 7-56. Radiated Spurious Data (NR Band n66 – High Channel – Ant2)

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