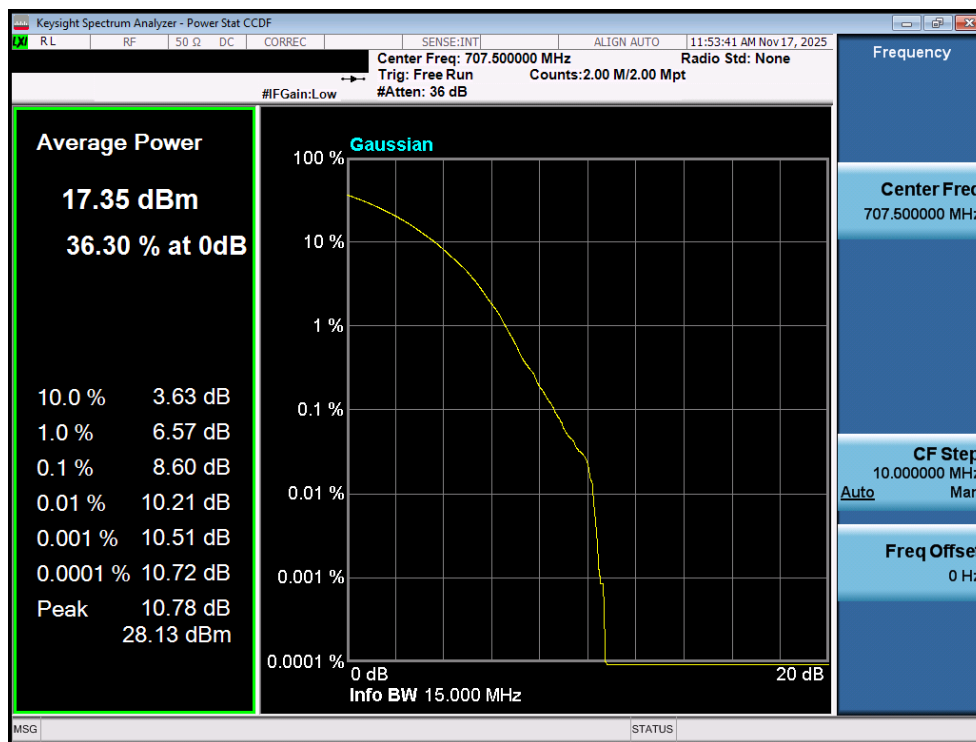
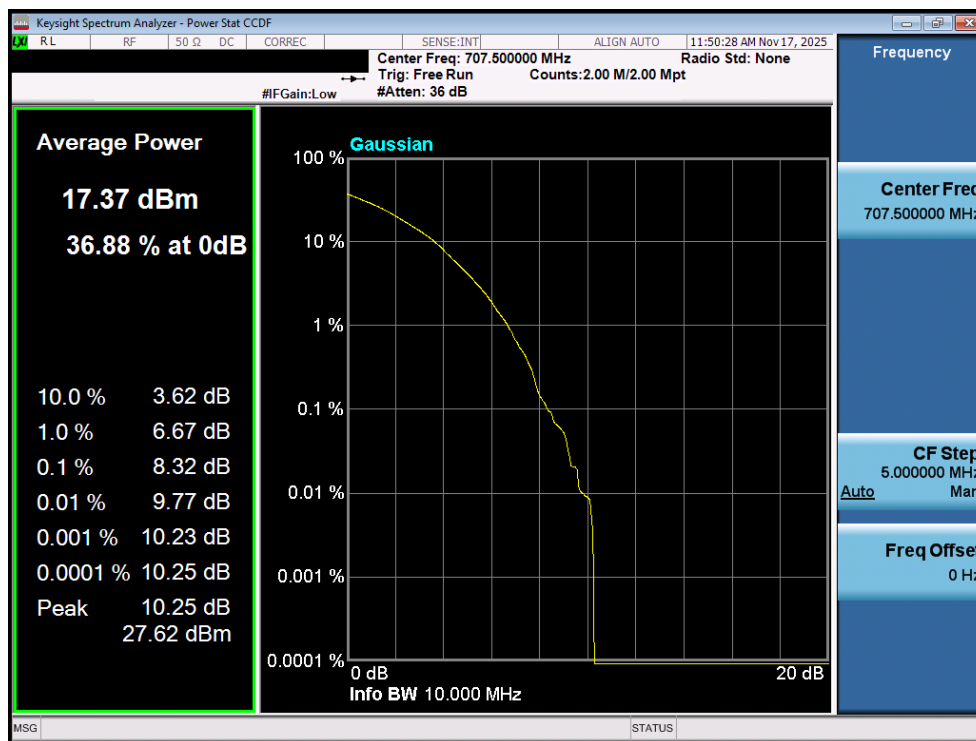


NR Band n12 – ANT1

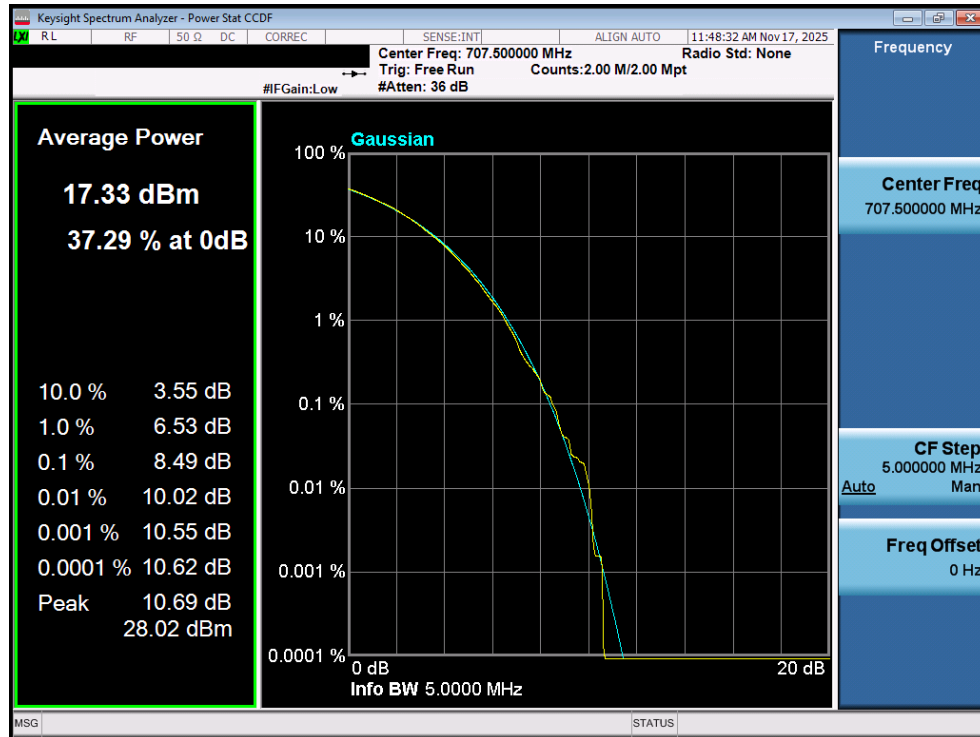


Plot 7-204. PAR Plot (NR Band n12 - 15MHz CP-OFDM 256QAM - Full RB - ANT1)



Plot 7-205. PAR Plot (NR Band n12 - 10MHz CP-OFDM 256QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 157 of 221



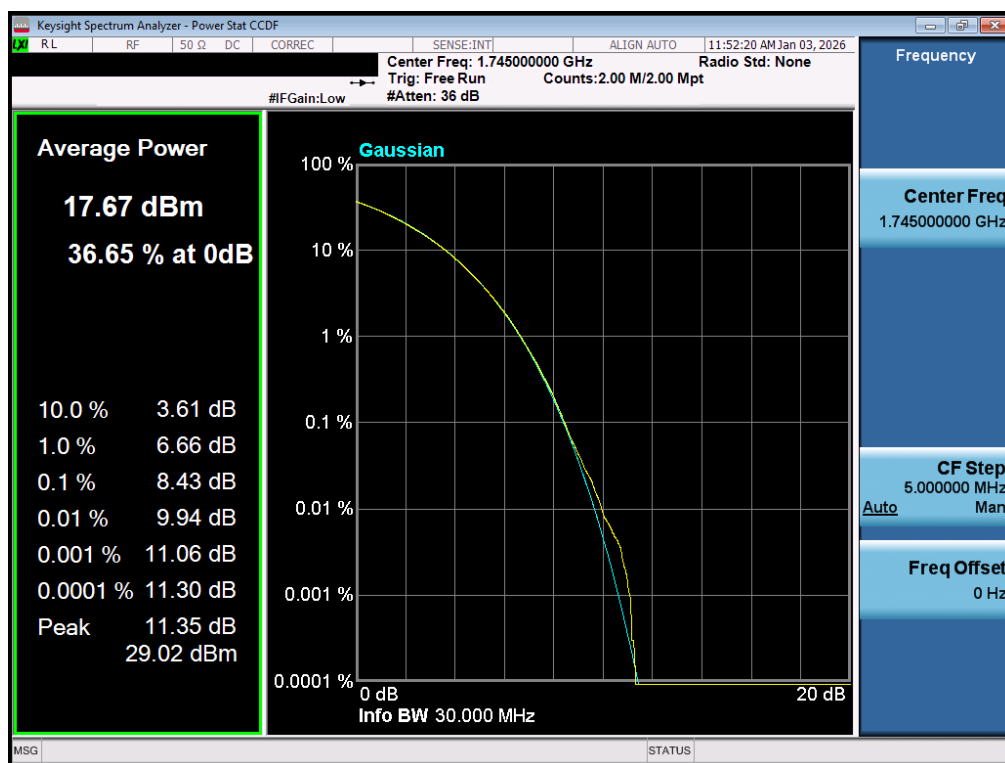
Plot 7-206. PAR Plot (NR Band n12 - 5MHz CP-OFDM 256QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 158 of 221

NR Band n66 – ANT1

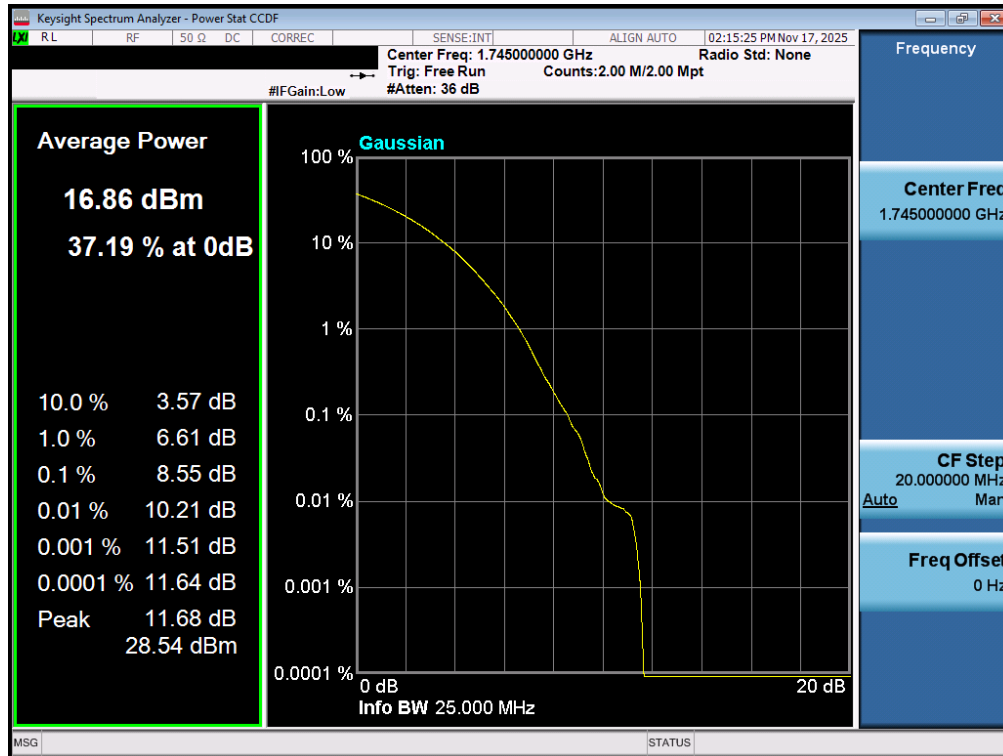


Plot 7-207. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

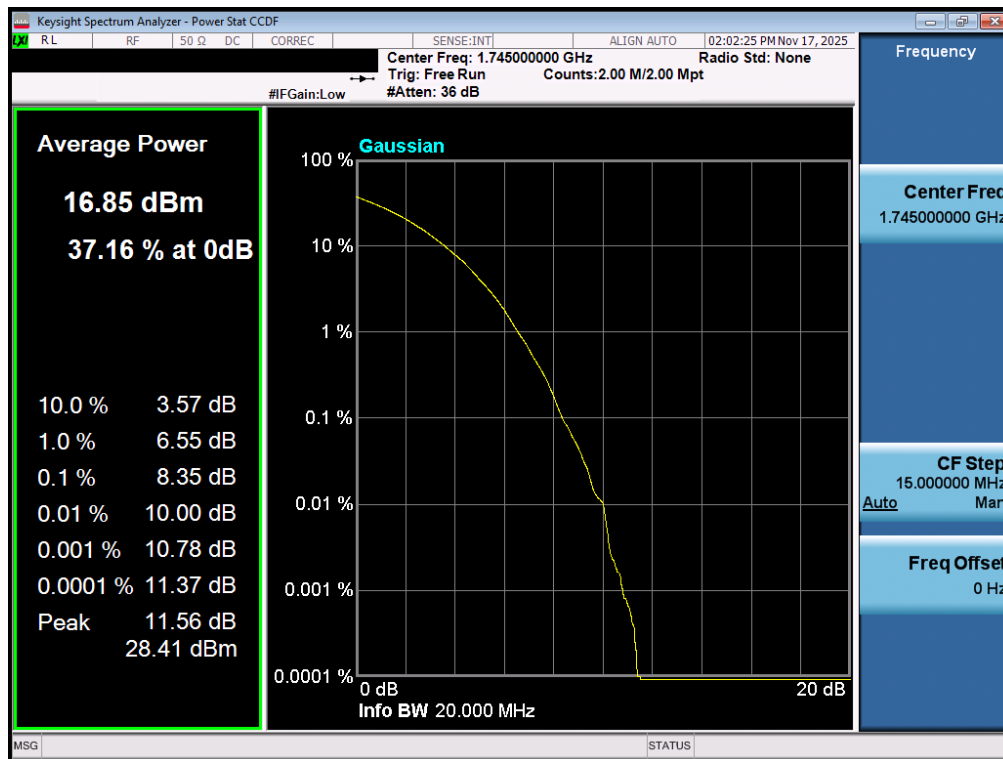


Plot 7-208. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 159 of 221

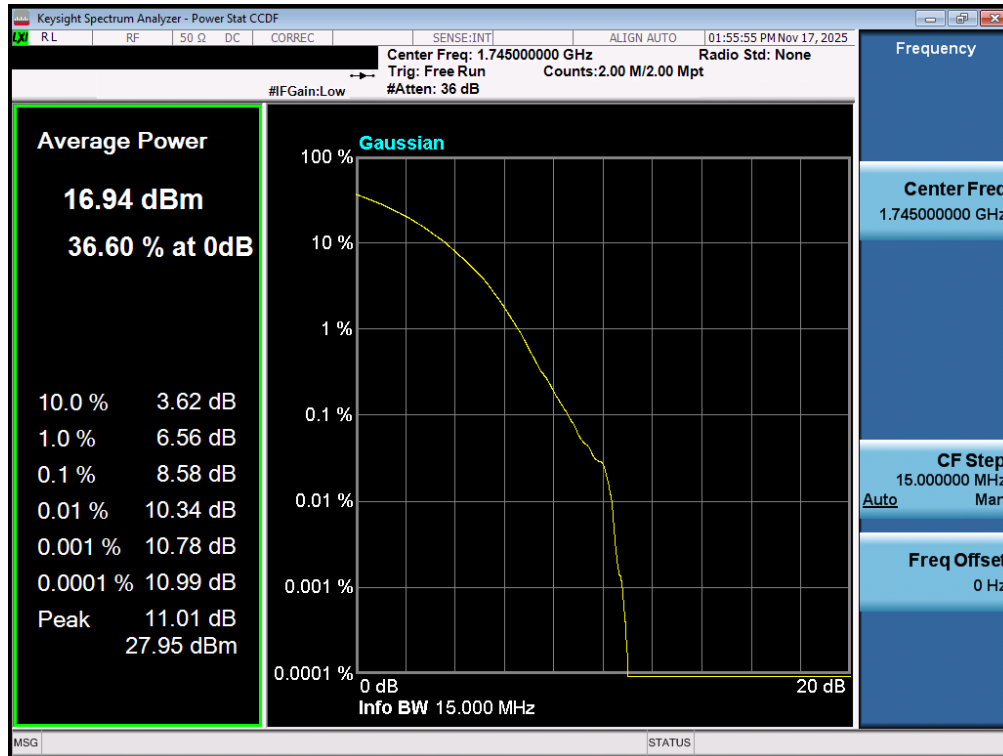


Plot 7-209. PAR Plot (NR Band n66 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

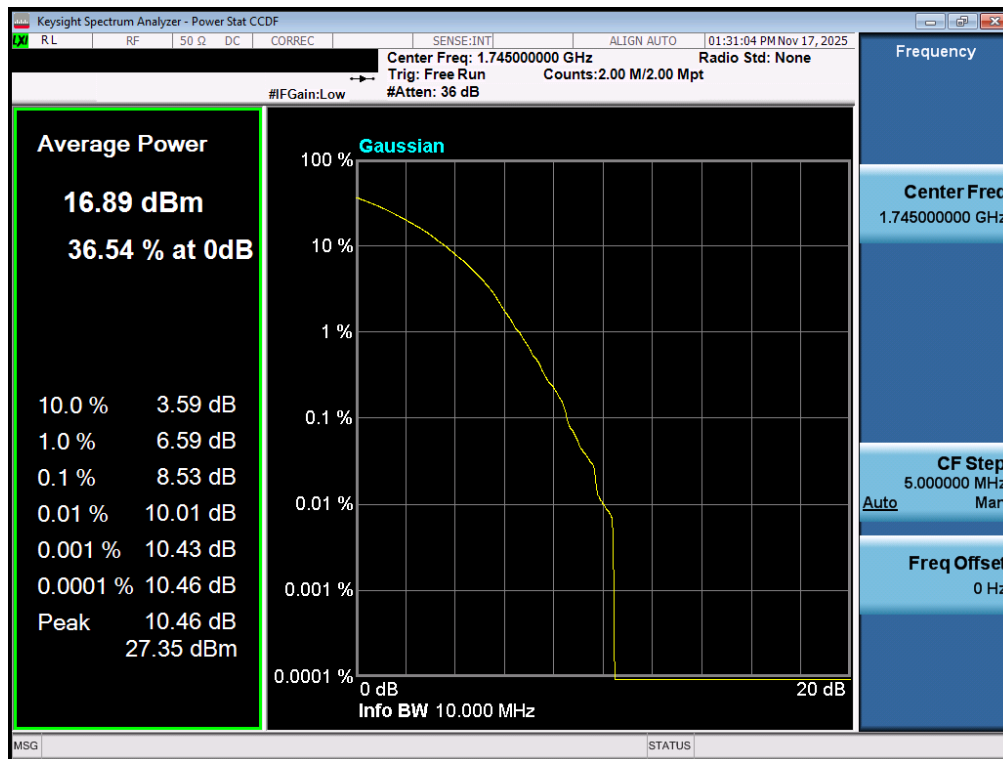


Plot 7-210. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 160 of 221

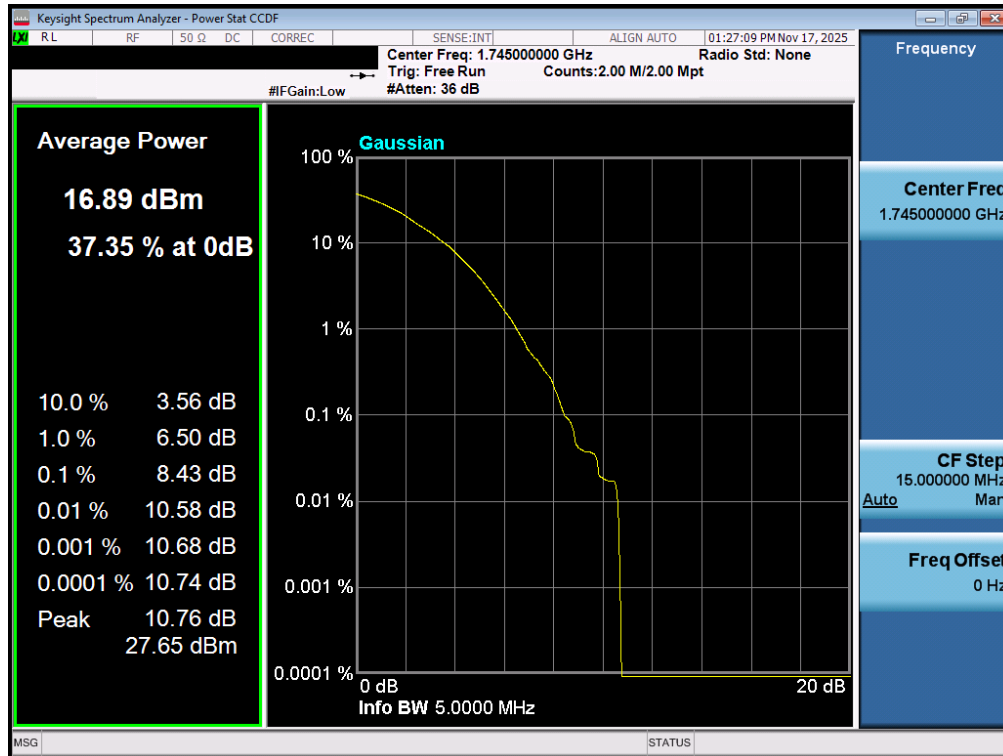


Plot 7-211. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT1)



Plot 7-212. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 161 of 221



Plot 7-213. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT1)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 162 of 221

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
WCDMA-AWS	5MHz	GMSK	22.79	2.93	13	-10.07
LTE-B12-17	10MHz	QPSK	22.51	5.72	13	-7.28
		256QAM	18.47	6.50	13	-6.50
	5MHz	QPSK	22.54	5.65	13	-7.35
		256QAM	18.50	6.59	13	-6.41
	3MHz	QPSK	22.62	5.44	13	-7.56
		256QAM	18.42	6.57	13	-6.43
	1.4MHz	QPSK	22.54	5.38	13	-7.62
		256QAM	18.43	6.77	13	-6.23
LTE-B13	10MHz	QPSK	21.62	5.49	13	-7.51
		256QAM	17.59	6.40	13	-6.60
	5MHz	QPSK	21.56	5.51	13	-7.49
		256QAM	17.59	6.38	13	-6.62
LTE-B66-4	20MHz	QPSK	22.23	5.63	13	-7.37
		256QAM	18.22	6.69	13	-6.31
	15MHz	QPSK	22.27	5.80	13	-7.20
		256QAM	18.21	6.54	13	-6.46
	10MHz	QPSK	22.22	5.55	13	-7.45
		256QAM	18.20	6.58	13	-6.42
	5MHz	QPSK	22.24	5.71	13	-7.29
		256QAM	18.23	6.65	13	-6.35
	3MHz	QPSK	22.21	5.66	13	-7.34
		256QAM	18.14	6.57	13	-6.43
	1.4MHz	QPSK	22.09	5.52	13	-7.48
		256QAM	18.15	6.57	13	-6.43

Table 7-25. Peak-Average Ratio Results – Ant2

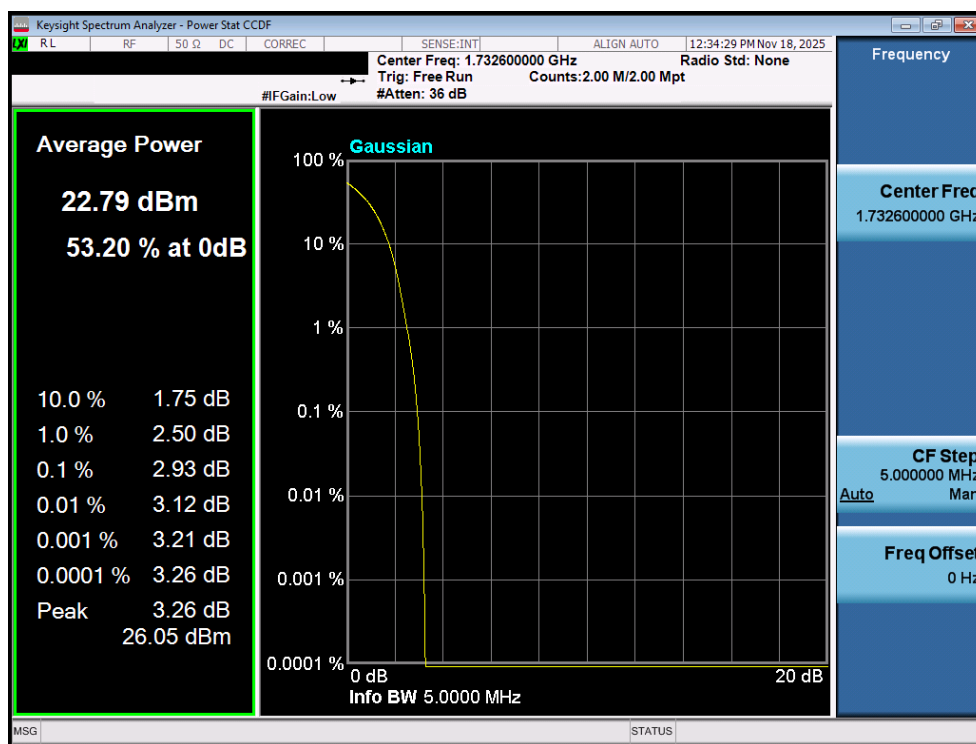
FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 163 of 221

Mode	Bandwidth	Modulation	Average Power [dBm]	PAR at 0.1% [dB]	PAR Limit [dB]	Margin [dB]
NR-n12	15MHz	$\pi/2$ BPSK	23.05	4.71	13	-8.29
		QPSK	20.55	7.97	13	-5.03
		256QAM	17.00	8.39	13	-4.61
	10MHz	$\pi/2$ BPSK	23.07	4.69	13	-8.31
		QPSK	20.58	8.26	13	-4.74
		256QAM	17.02	8.51	13	-4.49
	5MHz	$\pi/2$ BPSK	23.06	4.85	13	-8.15
		QPSK	20.55	8.18	13	-4.82
		256QAM	16.99	8.46	13	-4.54
NR-n66	40MHz	$\pi/2$ BPSK	22.10	5.16	13	-7.84
		QPSK	19.61	7.92	13	-5.08
		256QAM	16.10	8.42	13	-4.58
	30MHz	$\pi/2$ BPSK	22.11	4.56	13	-8.44
		QPSK	19.61	7.93	13	-5.07
		256QAM	16.19	8.33	13	-4.67
	25MHz	$\pi/2$ BPSK	22.24	4.78	13	-8.22
		QPSK	19.74	7.88	13	-5.12
		256QAM	16.29	8.51	13	-4.49
	20MHz	$\pi/2$ BPSK	22.28	4.51	13	-8.49
		QPSK	19.61	7.98	13	-5.02
		256QAM	16.28	8.35	13	-4.65
	15MHz	$\pi/2$ BPSK	22.28	4.47	13	-8.53
		QPSK	19.79	7.80	13	-5.20
		256QAM	16.27	8.36	13	-4.64
	10MHz	$\pi/2$ BPSK	22.29	4.52	13	-8.48
		QPSK	19.81	7.80	13	-5.20
		256QAM	16.29	8.39	13	-4.61
	5MHz	$\pi/2$ BPSK	22.80	4.47	13	-8.53
		QPSK	20.29	7.27	13	-5.73
		256QAM	16.82	8.46	13	-4.54

Table 7-26. Peak-Average Ratio Results – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 164 of 221

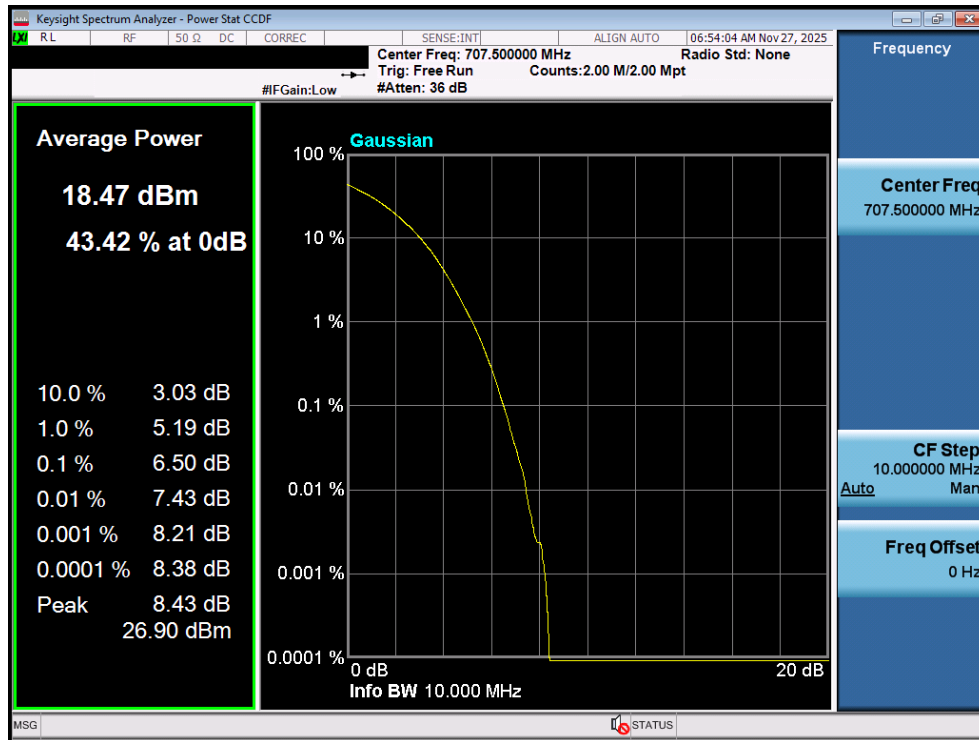
WCDMA AWS – ANT2



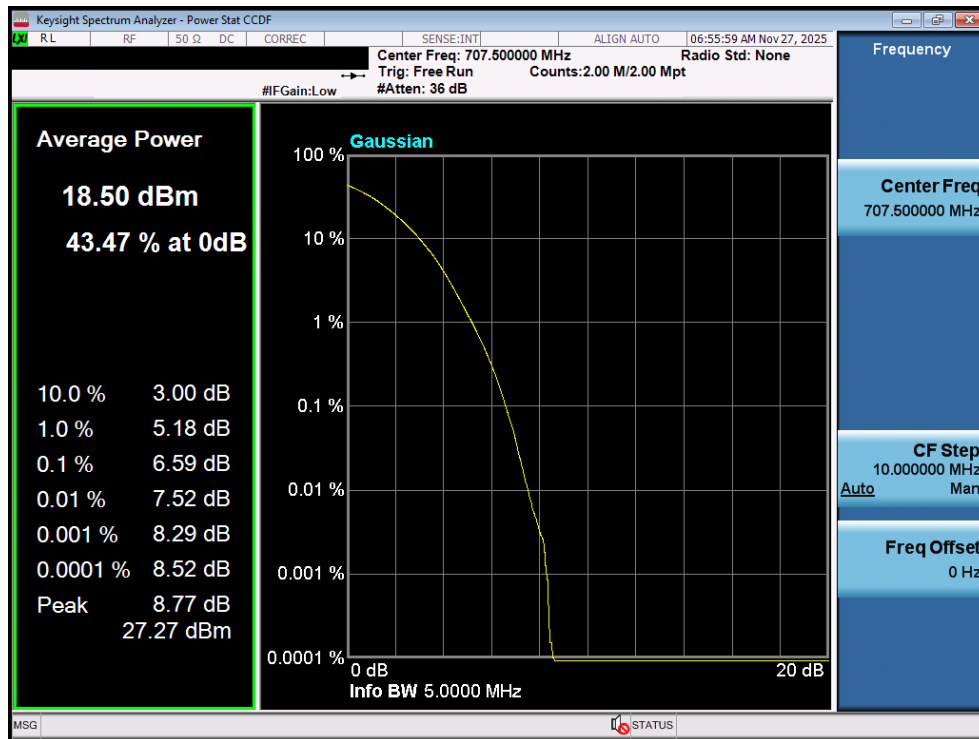
Plot 7-214. PAR Plot (WCDMA, Ch. 1413 – ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 165 of 221

LTE Band 12/17 – ANT2

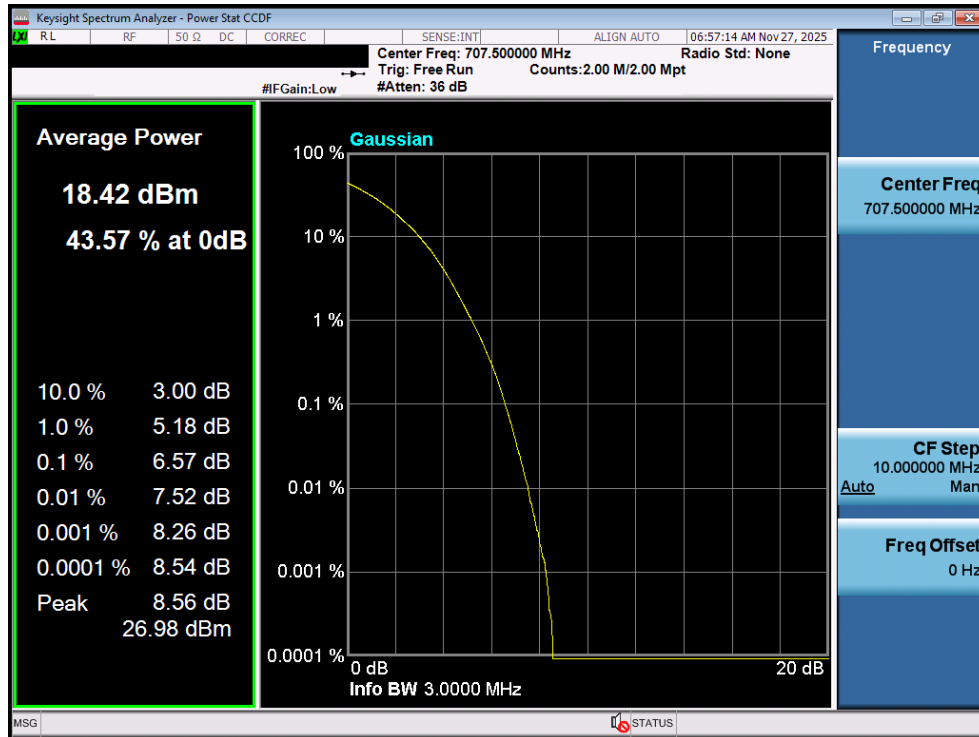


Plot 7-215. PAR Plot (LTE Band 12/17 - 10MHz 256-QAM - Full RB – ANT2)

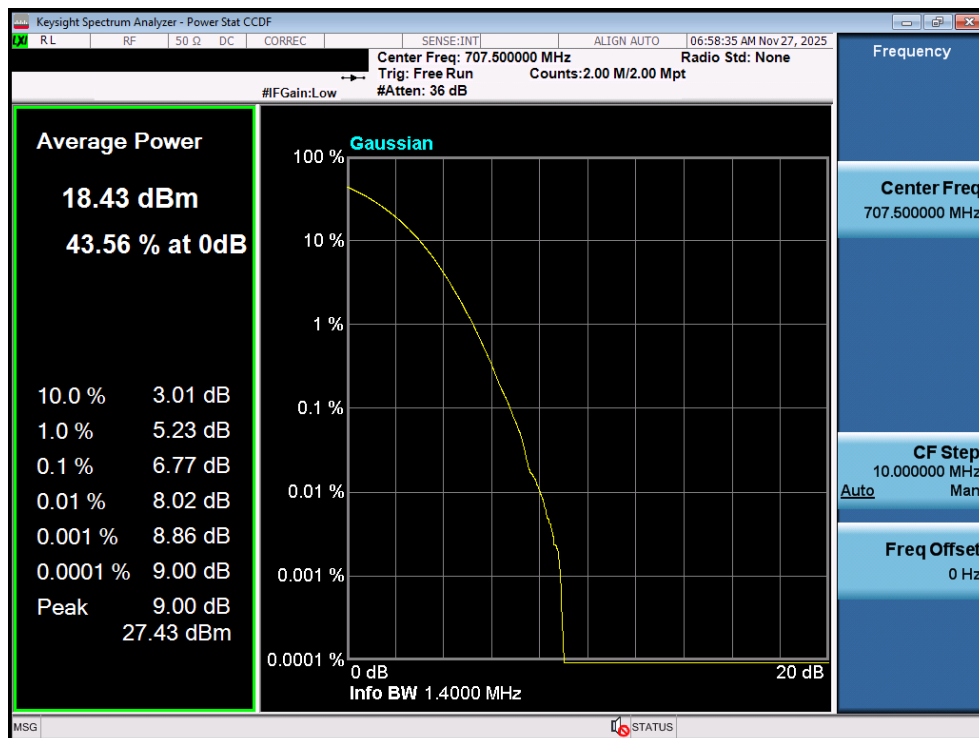


Plot 7-216. PAR Plot (LTE Band 12/17 - 5MHz 256-QAM - Full RB – ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 166 of 221



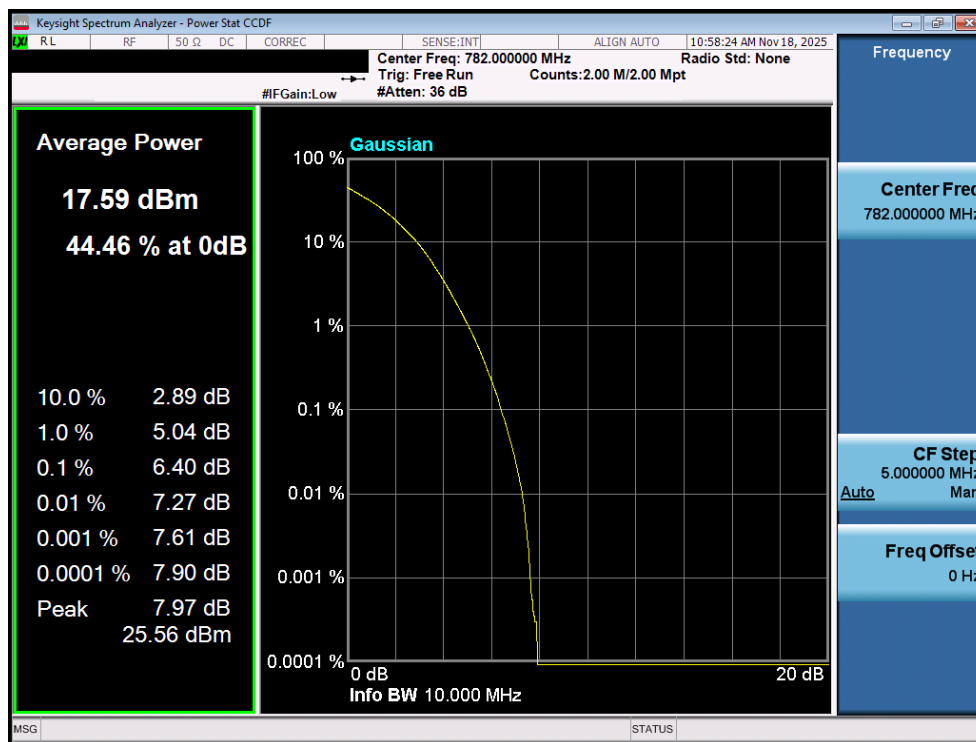
Plot 7-217. PAR Plot (LTE Band 12 - 3MHz 256-QAM - Full RB – ANT2)



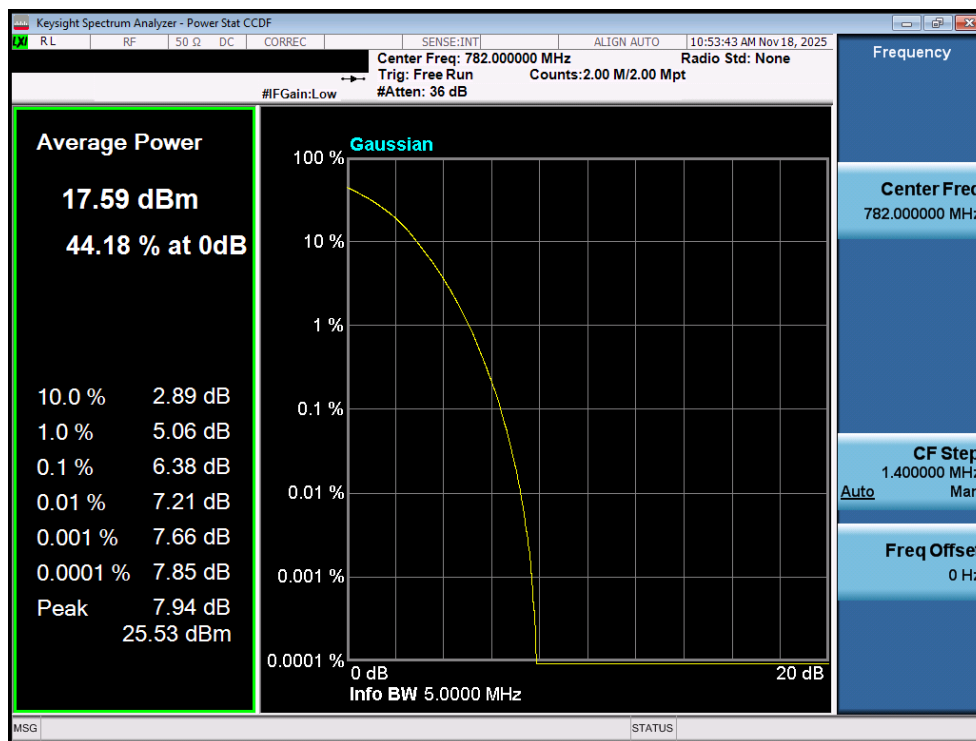
Plot 7-218. PAR Plot (LTE Band 12 – 1.4MHz 256-QAM - Full RB – ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 167 of 221

LTE Band 13 – ANT2



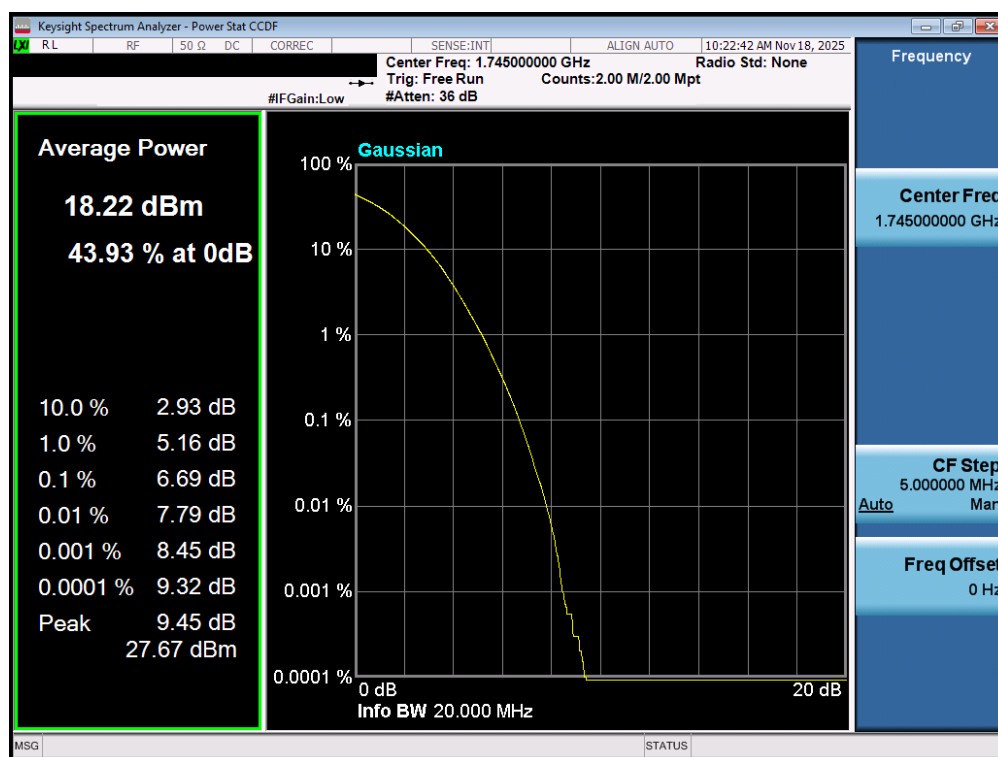
Plot 7-219. PAR Plot (LTE Band 13 - 10MHz 256-QAM - Full RB – ANT2)



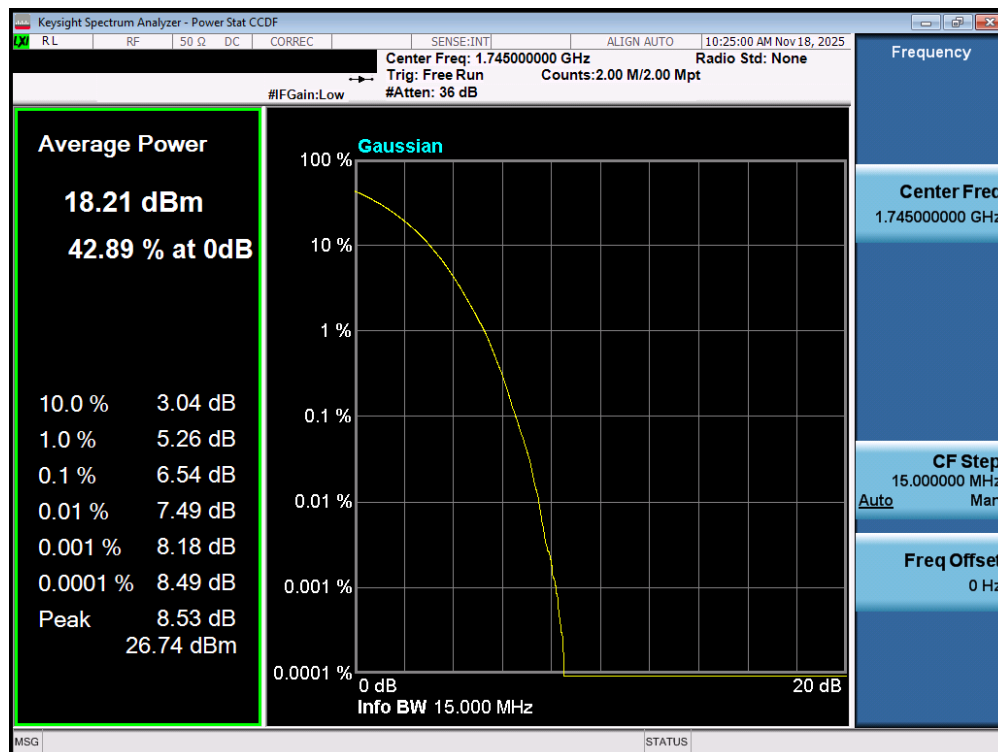
Plot 7-220. PAR Plot (LTE Band 13 - 5MHz 256-QAM - Full RB – ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – ANT2

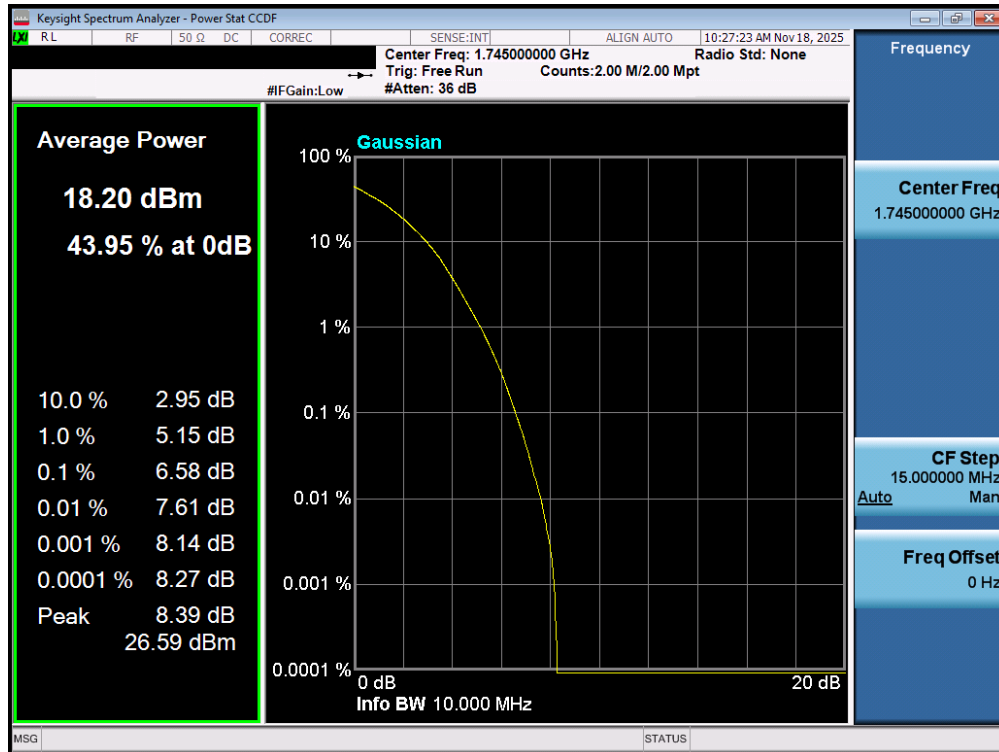


Plot 7-221. PAR Plot (LTE Band 66/4 - 20MHz 256-QAM - Full RB - ANT2)

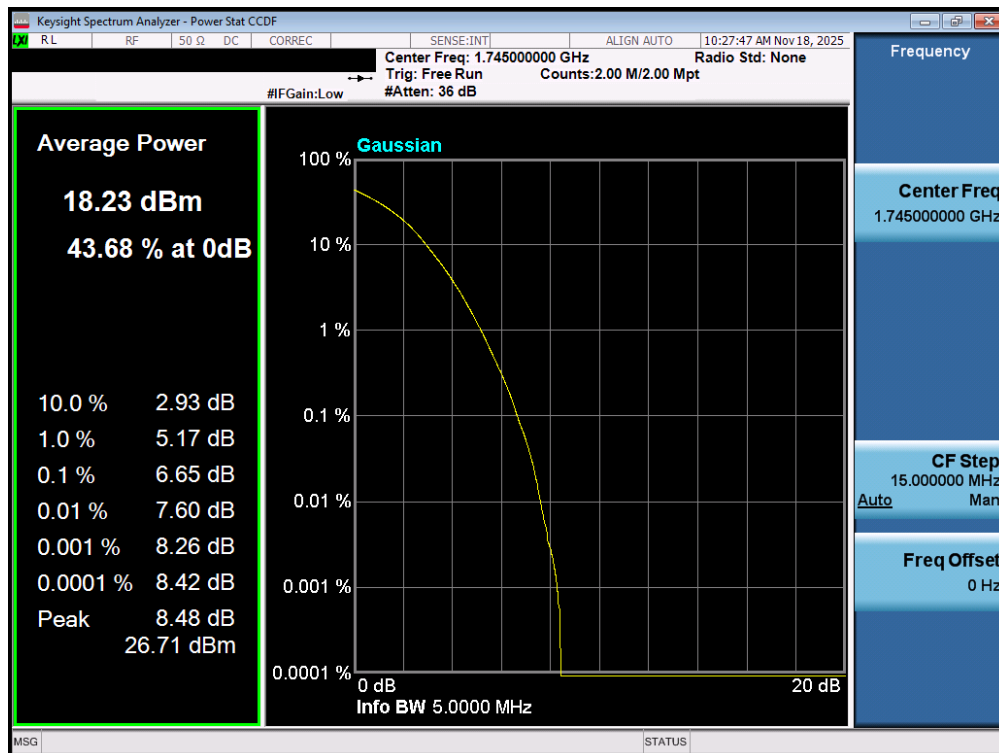


Plot 7-222. PAR Plot (LTE Band 66/4 - 15MHz 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 169 of 221

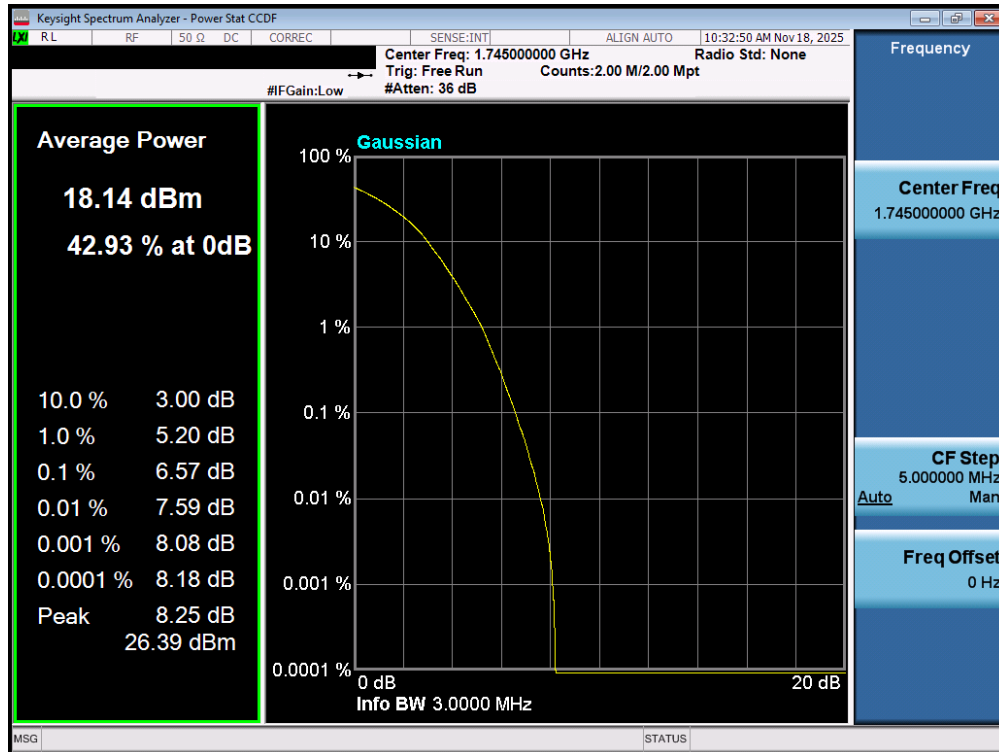


Plot 7-223. PAR Plot (LTE Band 66/4 - 10MHz 256-QAM - Full RB - ANT2)

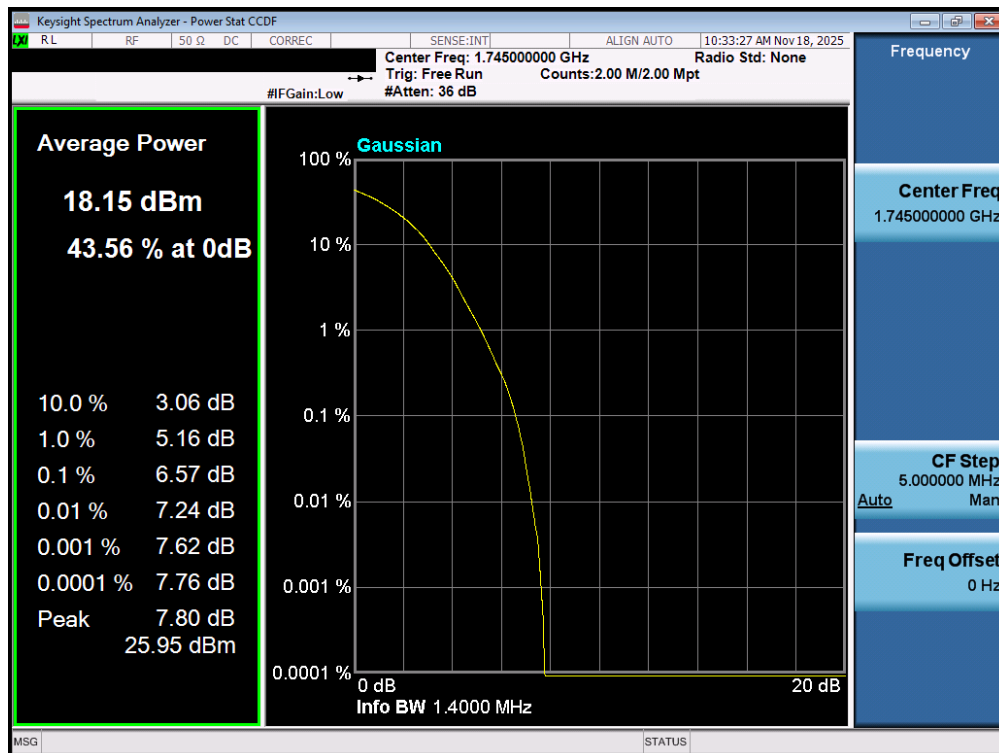


Plot 7-224. PAR Plot (LTE Band 66/4 - 5MHz 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-225. PAR Plot (LTE Band 66/4 - 3MHz 256-QAM - Full RB - ANT2)



Plot 7-226. PAR Plot (LTE Band 66/4 - 1.4MHz 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 171 of 221

NR Band n12 – ANT2

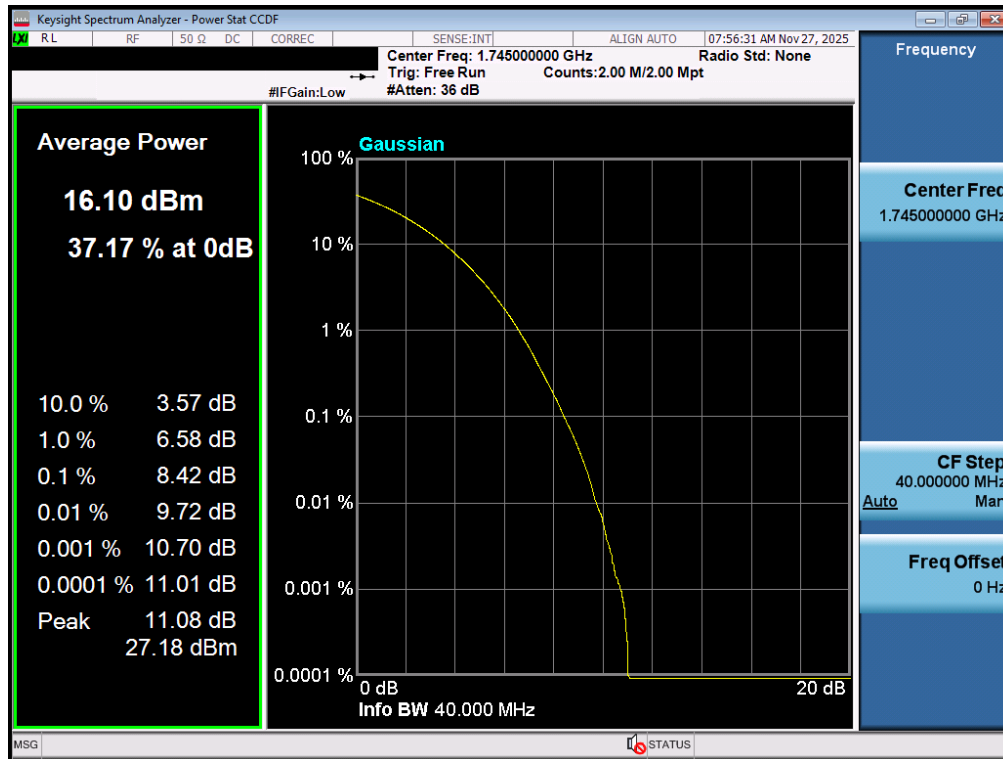


FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 172 of 221

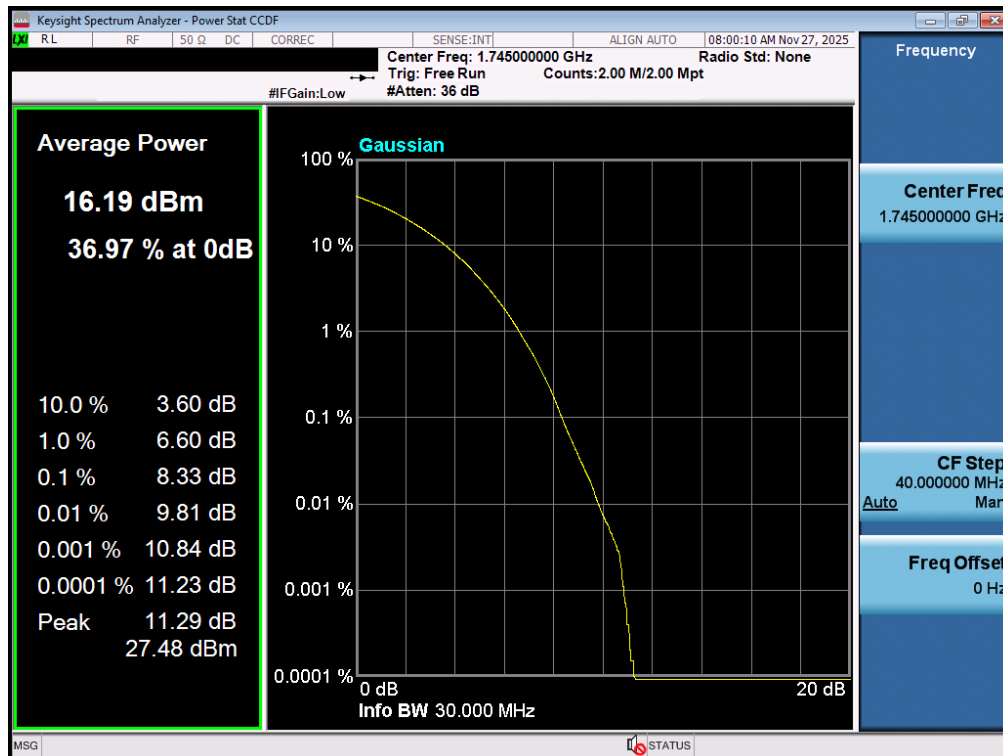


FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – ANT2

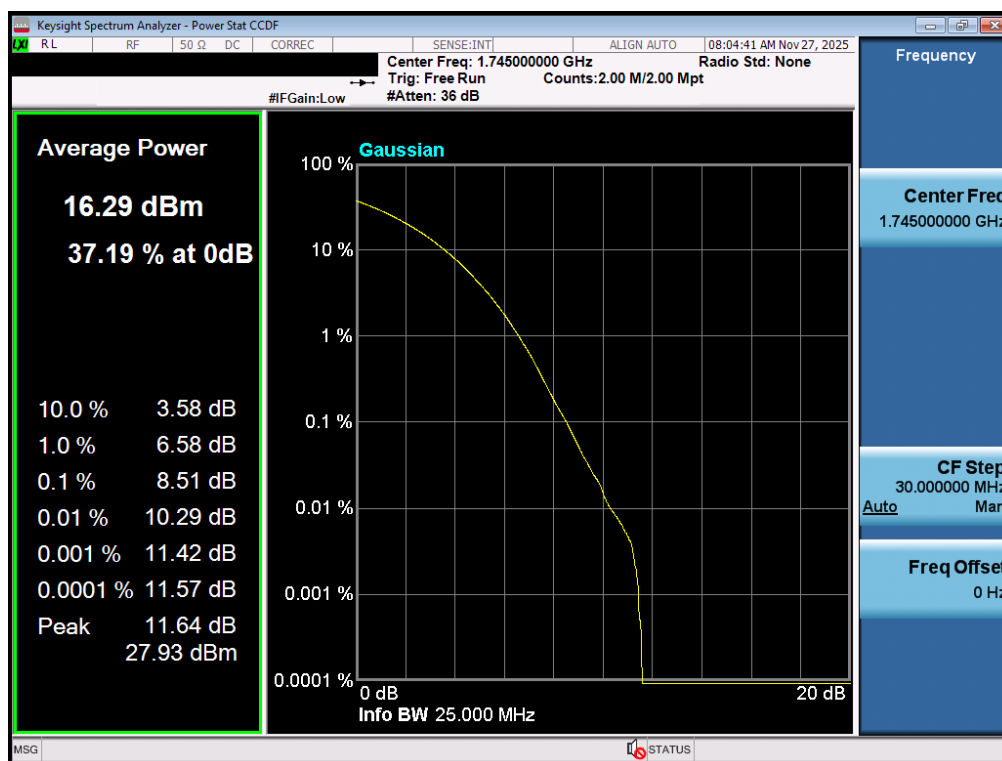


Plot 7-230. PAR Plot (NR Band n66 - 40.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

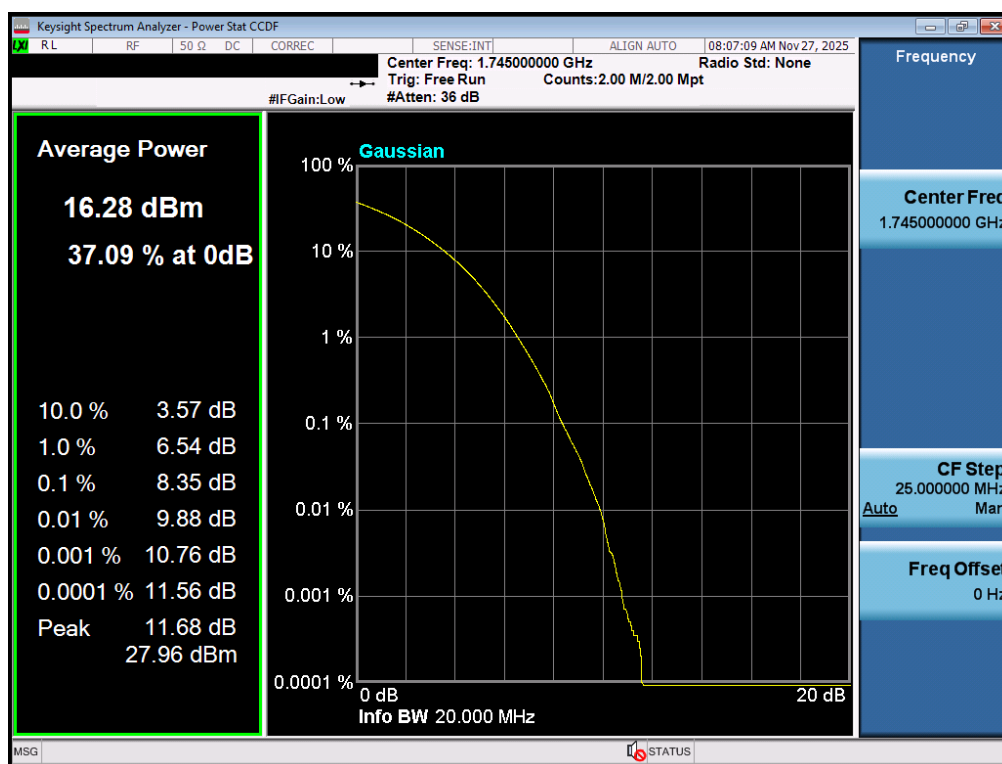


Plot 7-231. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 174 of 221

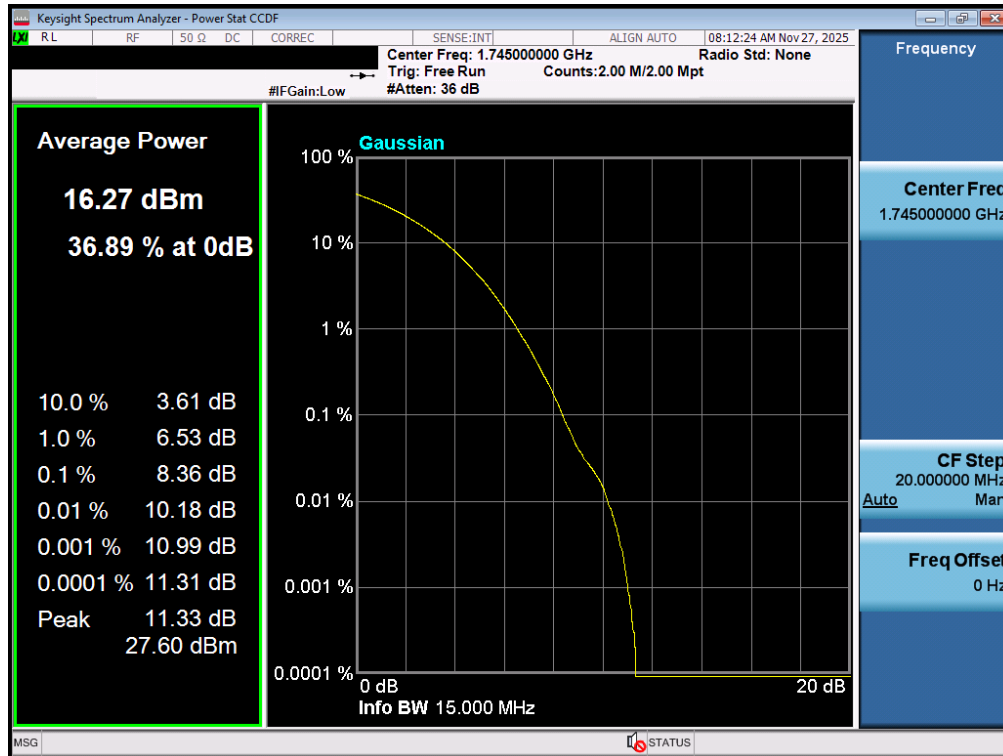


Plot 7-232. PAR Plot (NR Band n66 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

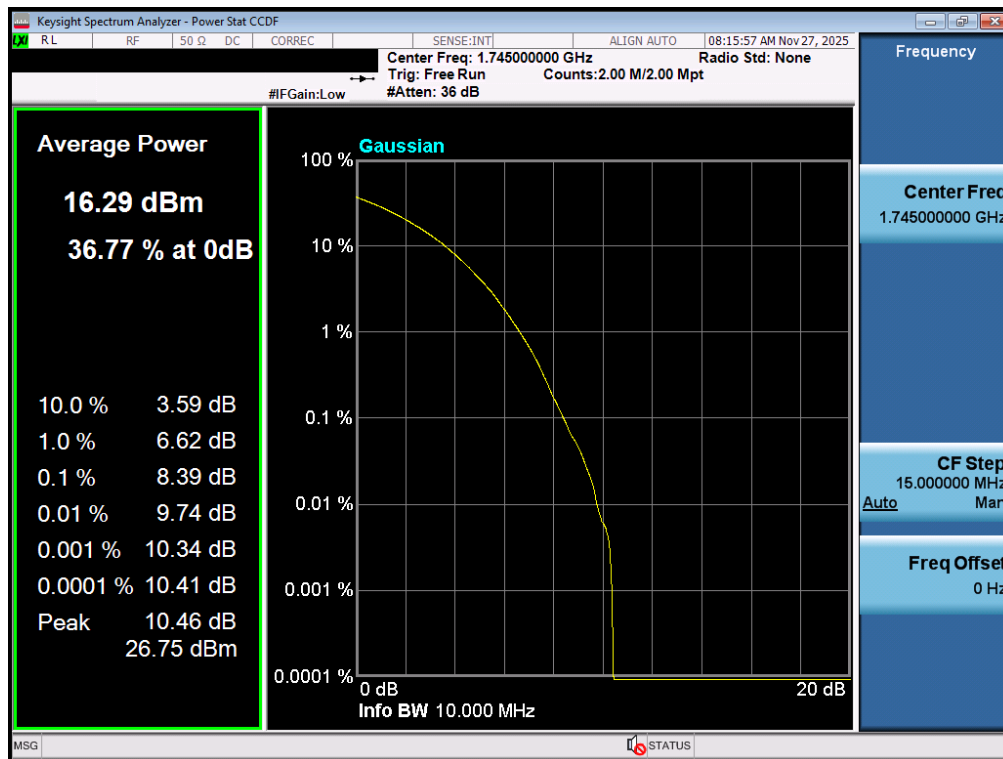


Plot 7-233. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 175 of 221

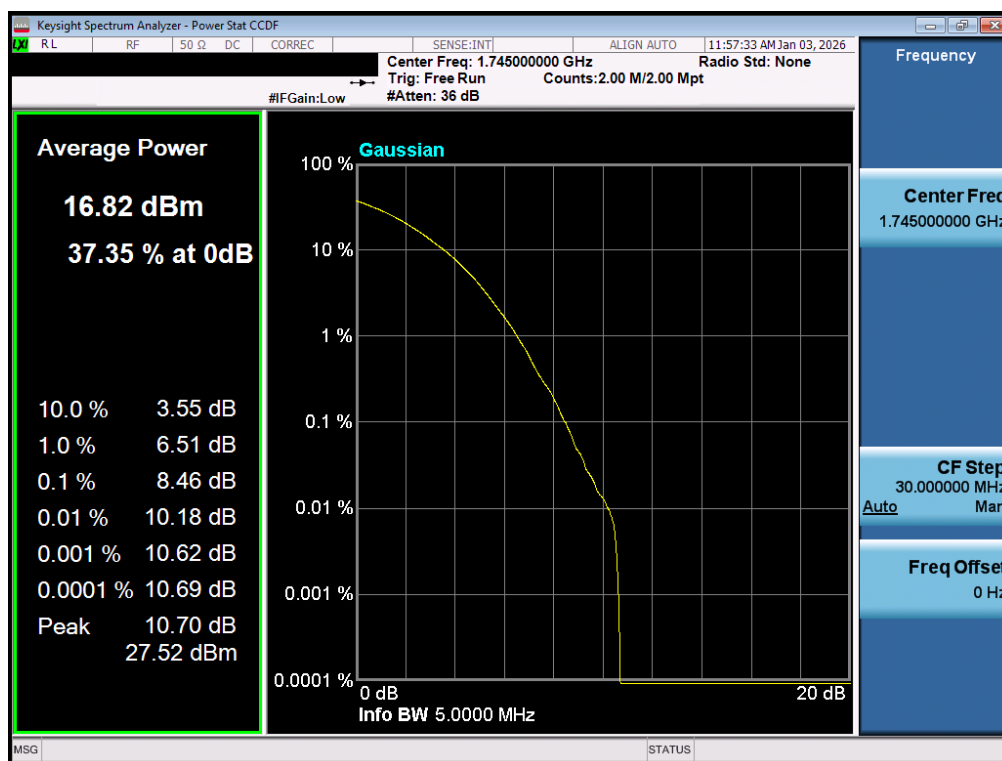


Plot 7-234. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT2)



Plot 7-235. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-236. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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.

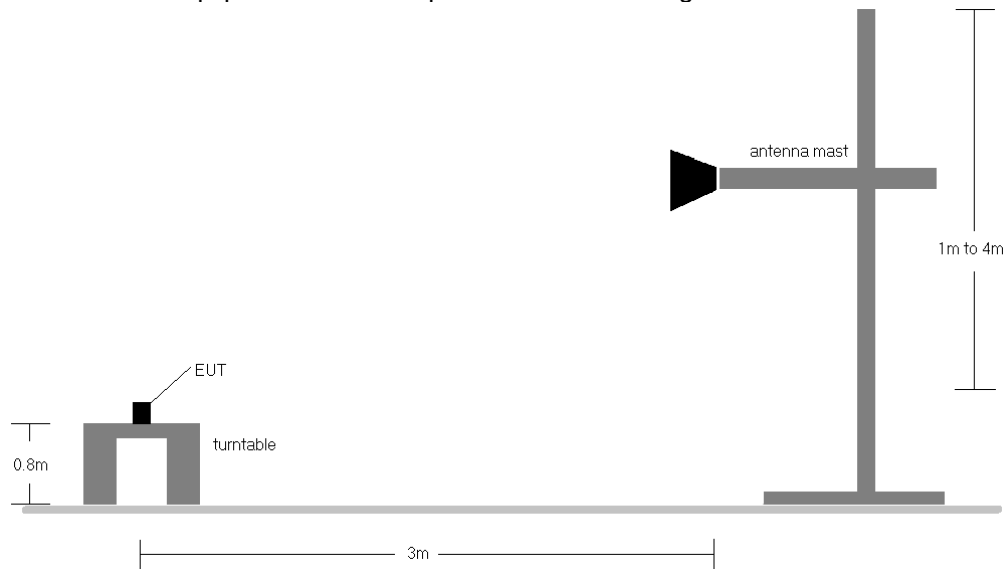


Figure 7-6. Radiated Test Setup <1GHz

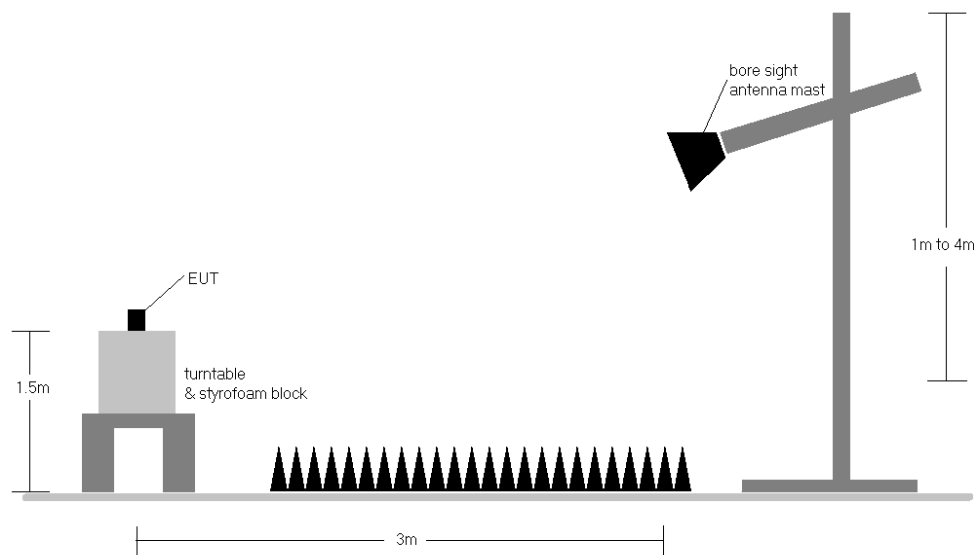


Figure 7-7. Radiated Test Setup >1GHz

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	H	150	211	18.56	2.89	21.45	0.140	30.00	-8.55
1732.60	WCDMA1700	H	140	211	18.76	2.86	21.62	0.145	30.00	-8.38
1752.60	WCDMA1700	H	143	215	17.97	2.83	20.80	0.120	30.00	-9.20
1732.60	WCDMA1700	V	205	322	18.56	2.86	21.42	0.139	30.00	-8.58
1732.60	WCDMA1700 (WCP)	H	140	210	16.37	2.86	19.23	0.084	30.00	-10.77

Table 7-27. 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	704.00	V	169	229	1.12	1 / 25	18.44	19.56	0.090	36.99	-17.43	17.41	0.055	34.77	-17.36
	QPSK	707.50	V	169	227	1.14	1 / 49	18.36	19.50	0.089	36.99	-17.48	17.35	0.054	34.77	-17.42
	QPSK	711.00	V	172	237	1.17	1 / 25	18.56	19.73	0.094	36.99	-17.26	17.58	0.057	34.77	-17.19
	16-QAM	704.00	V	169	229	1.12	1 / 25	17.45	18.57	0.072	36.99	-18.42	16.42	0.044	34.77	-18.35
	16-QAM	707.50	V	169	227	1.14	1 / 49	17.67	18.81	0.076	36.99	-18.17	16.66	0.046	34.77	-18.11
	16-QAM	711.00	V	172	237	1.17	1 / 25	17.76	18.93	0.078	36.99	-18.06	16.78	0.048	34.77	-17.99
5 MHz	QPSK	701.50	V	169	229	1.10	1 / 24	18.54	19.64	0.092	36.99	-17.35	17.49	0.056	34.77	-17.28
	QPSK	707.50	V	169	227	1.14	1 / 0	18.50	19.65	0.092	36.99	-17.34	17.50	0.056	34.77	-17.27
	QPSK	713.50	V	172	237	1.19	1 / 0	18.58	19.77	0.095	36.99	-17.22	17.62	0.058	34.77	-17.15
	16-QAM	701.50	V	169	229	1.10	1 / 24	17.88	18.97	0.079	36.99	-18.02	16.82	0.048	34.77	-17.95
	16-QAM	707.50	V	169	227	1.14	1 / 0	17.92	19.06	0.081	36.99	-17.92	16.91	0.049	34.77	-17.86
	16-QAM	713.50	V	172	237	1.19	1 / 0	17.83	19.03	0.080	36.99	-17.96	16.88	0.049	34.77	-17.90
3 MHz	QPSK	700.50	V	169	229	1.09	1 / 14	18.63	19.72	0.094	36.99	-17.27	17.57	0.057	34.77	-17.20
	QPSK	707.50	V	169	227	1.14	1 / 0	18.37	19.51	0.089	36.99	-17.48	17.36	0.054	34.77	-17.41
	QPSK	714.50	V	172	237	1.20	1 / 0	18.47	19.67	0.093	36.99	-17.32	17.52	0.057	34.77	-17.25
	16-QAM	700.50	V	169	229	1.09	1 / 14	17.76	18.85	0.077	36.99	-18.14	16.70	0.047	34.77	-18.07
	16-QAM	707.50	V	169	227	1.14	1 / 0	17.73	18.87	0.077	36.99	-18.12	16.72	0.047	34.77	-18.05
	16-QAM	714.50	V	172	237	1.20	1 / 0	17.77	18.97	0.079	36.99	-18.02	16.82	0.048	34.77	-17.95
1.4 MHz	QPSK	699.70	V	169	229	1.08	1 / 3	18.47	19.55	0.090	36.99	-17.44	17.40	0.055	34.77	-17.37
	QPSK	707.50	V	169	227	1.14	1 / 3	18.40	19.54	0.090	36.99	-17.45	17.39	0.055	34.77	-17.38
	QPSK	715.30	V	172	237	1.21	1 / 3	18.49	19.70	0.093	36.99	-17.29	17.55	0.057	34.77	-17.23
	16-QAM	699.70	V	169	229	1.08	1 / 3	17.55	18.63	0.073	36.99	-18.36	16.48	0.044	34.77	-18.30
	16-QAM	707.50	V	169	227	1.14	1 / 3	17.78	18.92	0.078	36.99	-18.07	16.77	0.048	34.77	-18.00
	16-QAM	715.30	V	172	237	1.21	1 / 3	17.83	19.03	0.080	36.99	-17.95	16.88	0.049	34.77	-17.89
10 MHz	Opposite Pol.	711.00	H	136	277	1.17	1/49	18.24	19.41	0.087	36.99	-17.58	17.26	0.053	34.77	-17.51
	WCP	711.00	V	165	232	1.17	1/25	16.66	17.83	0.061	36.99	-19.16	15.68	0.037	34.77	-19.09

Table 7-28. 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	782.00	H	246	283	1.09	1 / 0	16.70	17.79	0.060	36.99	-19.20	15.64	0.037	34.77	-19.14
	16-QAM	782.00	H	246	283	1.09	1 / 0	16.20	17.29	0.054	36.99	-19.70	15.14	0.033	34.77	-19.64
5 MHz	QPSK	779.50	H	246	283	1.11	1 / 24	16.64	17.75	0.059	36.99	-19.24	15.60	0.036	34.77	-19.18
	QPSK	782.00	H	246	283	1.09	1 / 24	16.70	17.78	0.060	36.99	-19.21	15.63	0.037	34.77	-19.14
	QPSK	784.50	H	246	283	1.06	1 / 24	16.75	17.81	0.060	36.99	-19.18	15.66	0.037	34.77	-19.11
	16-QAM	779.50	H	246	283	1.11	1 / 24	16.12	17.23	0.053	36.99	-19.76	15.08	0.032	34.77	-19.69
	16-QAM	782.00	H	246	283	1.09	1 / 24	16.19	17.27	0.053	36.99	-19.72	15.12	0.033	34.77	-19.65
	16-QAM	784.50	H	246	283	1.06	1 / 24	16.18	17.25	0.053	36.99	-19.74	15.10	0.032	34.77	-19.67
10 MHz	Opposite Pol.	782.00	V	162	234	1.09	1/0	16.38	17.47	0.056	36.99	-19.52	15.32	0.034	34.77	-19.46
	WCP	782.00	H	248	285	1.09	1/0	15.79	16.88	0.049	36.99	-20.11	14.73	0.030	34.77	-20.05

Table 7-29. ERP Data (LTE Band 13) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 181 of 221	

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	136	193	2.88	1 / 50	20.24	23.12	0.205	30.00	-6.88
	QPSK	1745.00	H	126	194	2.84	1 / 50	19.52	22.36	0.172	30.00	-7.64
	QPSK	1770.00	H	129	199	2.79	1 / 0	18.60	21.39	0.138	30.00	-8.61
	16-QAM	1720.00	H	136	193	2.88	1 / 50	19.12	22.00	0.158	30.00	-8.00
	16-QAM	1745.00	H	126	194	2.84	1 / 50	18.52	21.36	0.137	30.00	-8.64
15 MHz	16-QAM	1770.00	H	129	199	2.79	1 / 50	17.37	20.16	0.104	30.00	-9.84
	QPSK	1717.50	H	136	193	2.88	1 / 37	20.26	23.14	0.206	30.00	-6.86
	QPSK	1745.00	H	126	194	2.84	1 / 74	19.62	22.46	0.176	30.00	-7.54
	QPSK	1772.50	H	129	199	2.78	1 / 0	18.56	21.35	0.136	30.00	-8.65
	16-QAM	1717.50	H	136	193	2.88	1 / 37	19.33	22.21	0.166	30.00	-7.79
10 MHz	16-QAM	1745.00	H	126	194	2.84	1 / 74	18.63	21.47	0.140	30.00	-8.53
	16-QAM	1772.50	H	129	199	2.78	1 / 0	17.34	20.12	0.103	30.00	-9.88
	QPSK	1715.00	H	136	193	2.88	1 / 25	20.29	23.17	0.207	30.00	-6.83
	QPSK	1745.00	H	126	194	2.84	1 / 49	19.55	22.40	0.174	30.00	-7.60
	QPSK	1775.00	H	129	199	2.78	1 / 0	18.57	21.35	0.136	30.00	-8.65
5 MHz	16-QAM	1715.00	H	136	193	2.88	1 / 25	19.12	22.01	0.159	30.00	-7.99
	16-QAM	1745.00	H	126	194	2.84	1 / 49	18.54	21.39	0.138	30.00	-8.61
	16-QAM	1775.00	H	129	199	2.78	1 / 0	17.38	20.16	0.104	30.00	-9.84
	QPSK	1712.50	H	136	193	2.89	1 / 12	20.31	23.20	0.209	30.00	-6.80
	QPSK	1745.00	H	126	194	2.84	1 / 24	19.51	22.35	0.172	30.00	-7.65
3 MHz	QPSK	1777.50	H	129	199	2.77	1 / 12	18.62	21.40	0.138	30.00	-8.60
	16-QAM	1712.50	H	136	193	2.89	1 / 12	19.13	22.02	0.159	30.00	-7.98
	16-QAM	1745.00	H	126	194	2.84	1 / 24	18.48	21.32	0.135	30.00	-8.68
	16-QAM	1777.50	H	129	199	2.77	1 / 12	17.40	20.17	0.104	30.00	-9.83
	QPSK	1711.50	H	136	193	2.89	1 / 0	20.17	23.05	0.202	30.00	-6.95
1.4 MHz	QPSK	1745.00	H	126	194	2.84	1 / 7	19.55	22.39	0.174	30.00	-7.61
	QPSK	1778.50	H	129	199	2.77	1 / 0	18.58	21.35	0.136	30.00	-8.65
	16-QAM	1711.50	H	136	193	2.89	1 / 0	19.04	21.93	0.156	30.00	-8.07
	16-QAM	1745.00	H	126	194	2.84	1 / 7	18.55	21.39	0.138	30.00	-8.61
	16-QAM	1778.50	H	129	199	2.77	1 / 0	17.32	20.09	0.102	30.00	-9.91
20 MHz	QPSK	1710.70	H	136	193	2.89	1 / 5	20.21	23.10	0.204	30.00	-6.90
	QPSK	1745.00	H	126	194	2.84	1 / 3	19.59	22.43	0.175	30.00	-7.57
	QPSK	1779.30	H	129	199	2.77	1 / 0	18.44	21.21	0.132	30.00	-8.79
	16-QAM	1710.70	H	136	193	2.89	1 / 5	19.04	21.93	0.156	30.00	-8.07
	16-QAM	1745.00	H	126	194	2.84	1 / 3	18.57	21.41	0.138	30.00	-8.59
20 MHz	QPSK	1779.30	H	129	199	2.77	1 / 0	17.00	19.77	0.095	30.00	-10.23
	Opposite Pol.	1720.00	V	116	324	2.88	1/0	19.06	21.94	0.156	30.00	-8.06
	WCP	1720.00	H	138	193	2.88	1/50	18.10	20.98	0.125	30.00	-9.02

Table 7-30. EIRP Data (LTE Band 66/4) – 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]
15 MHz	$\pi/2$ BPSK	706.50	V	169	282	1.14	1 / 39	18.57	19.71	0.093	36.99	-17.28	17.56	0.057	34.77	-17.21
	$\pi/2$ BPSK	707.50	V	166	291	1.14	1 / 39	18.60	19.74	0.094	36.99	-17.24	17.59	0.057	34.77	-17.18
	$\pi/2$ BPSK	708.50	V	169	286	1.15	1 / 39	18.70	19.85	0.097	36.99	-17.14	17.70	0.059	34.77	-17.07
	QPSK	706.50	V	169	282	1.14	1 / 39	18.55	19.69	0.093	36.99	-17.30	17.54	0.057	34.77	-17.23
	QPSK	707.50	V	166	291	1.14	1 / 39	18.53	19.67	0.093	36.99	-17.31	17.52	0.057	34.77	-17.25
	QPSK	708.50	V	169	286	1.15	1 / 39	18.66	19.81	0.096	36.99	-17.18	17.66	0.058	34.77	-17.11
	16-QAM	706.50	V	169	282	1.14	1 / 39	17.50	18.64	0.073	36.99	-18.35	16.49	0.045	34.77	-18.28
	16-QAM	707.50	V	166	291	1.14	1 / 39	17.49	18.63	0.073	36.99	-18.35	16.48	0.045	34.77	-18.29
	16-QAM	708.50	V	169	286	1.15	1 / 39	17.61	18.76	0.075	36.99	-18.23	16.61	0.046	34.77	-18.16
	$\pi/2$ BPSK	704.00	V	169	282	1.12	1 / 26	18.39	19.51	0.089	36.99	-17.48	17.36	0.054	34.77	-17.41
10 MHz	$\pi/2$ BPSK	707.50	V	166	291	1.14	1 / 1	18.48	19.63	0.092	36.99	-17.36	17.48	0.056	34.77	-17.30
	$\pi/2$ BPSK	711.00	V	169	286	1.17	1 / 26	18.53	19.70	0.093	36.99	-17.29	17.55	0.057	34.77	-17.22
	QPSK	704.00	V	169	282	1.12	1 / 26	18.42	19.54	0.090	36.99	-17.45	17.39	0.055	34.77	-17.38
	QPSK	707.50	V	166	291	1.14	1 / 1	18.50	19.64	0.092	36.99	-17.35	17.49	0.056	34.77	-17.28
	QPSK	711.00	V	169	286	1.17	1 / 26	18.54	19.71	0.094	36.99	-17.28	17.56	0.057	34.77	-17.21
	16-QAM	704.00	V	169	282	1.12	1 / 26	17.40	18.52	0.071	36.99	-18.47	16.37	0.043	34.77	-18.40
	16-QAM	707.50	V	166	291	1.14	1 / 1	17.56	18.70	0.074	36.99	-18.29	16.55	0.045	34.77	-18.22
	16-QAM	711.00	V	169	286	1.17	1 / 26	17.52	18.69	0.074	36.99	-18.30	16.54	0.045	34.77	-18.23
	$\pi/2$ BPSK	701.50	V	169	282	1.10	1 / 12	18.52	19.61	0.092	36.99	-17.38	17.46	0.056	34.77	-17.31
	$\pi/2$ BPSK	707.50	V	166	291	1.14	1 / 1	18.45	19.59	0.091	36.99	-17.40	17.44	0.056	34.77	-17.33
5 MHz	$\pi/2$ BPSK	713.50	V	169	286	1.19	1 / 12	18.60	19.79	0.095	36.99	-17.20	17.64	0.058	34.77	-17.13
	QPSK	701.50	V	169	282	1.10	1 / 12	18.59	19.69	0.093	36.99	-17.30	17.54	0.057	34.77	-17.23
	QPSK	707.50	V	166	291	1.14	1 / 1	18.46	19.60	0.091	36.99	-17.39	17.45	0.056	34.77	-17.32
	QPSK	713.50	V	169	286	1.19	1 / 12	18.62	19.81	0.096	36.99	-17.18	17.66	0.058	34.77	-17.11
	16-QAM	701.50	V	169	282	1.10	1 / 12	17.41	18.51	0.071	36.99	-18.48	16.36	0.043	34.77	-18.42
	16-QAM	707.50	V	166	291	1.14	1 / 1	17.68	18.83	0.076	36.99	-18.16	16.68	0.047	34.77	-18.09
	16-QAM	713.50	V	169	286	1.19	1 / 12	17.63	18.82	0.076	36.99	-18.17	16.67	0.046	34.77	-18.10
	QPSK (CP-OFDM)	708.50	V	162	282	1.15	1/39	17.00	18.15	0.065	36.99	-18.84	16.00	0.040	34.77	-18.77
	QPSK (Opposite Pol.)	708.50	H	284	261	1.16	1/39	17.92	19.08	0.081	36.99	-17.91	16.93	0.049	34.77	-17.84
	QPSK (WCP)	708.50	V	168	282	1.15	1/39	12.55	13.70	0.023	36.99	-23.29	11.55	0.014	34.77	-23.22

Table 7-31. ERP Data (NR Band n12) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset		Page 182 of 221

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	143	219	2.86	1 / 80	20.59	23.45	0.221	30.00	-6.55
	$\pi/2$ BPSK	1745.00	H	140	224	2.84	1 / 1	20.11	22.95	0.197	30.00	-7.05
	$\pi/2$ BPSK	1760.00	H	136	221	2.81	1 / 1	20.21	23.02	0.201	30.00	-6.98
	QPSK	1730.00	H	143	219	2.86	1 / 80	20.49	23.35	0.216	30.00	-6.65
	QPSK	1745.00	H	143	224	2.84	1 / 1	19.97	22.81	0.191	30.00	-7.19
	QPSK	1760.00	H	136	221	2.81	1 / 1	20.19	23.00	0.200	30.00	-7.00
	16-QAM	1730.00	H	143	219	2.86	1 / 80	19.64	22.50	0.178	30.00	-7.50
	16-QAM	1745.00	H	143	224	2.84	1 / 1	18.95	21.79	0.151	30.00	-8.21
30 MHz	$\pi/2$ BPSK	1760.00	H	136	221	2.81	1 / 1	19.20	22.01	0.159	30.00	-7.99
	$\pi/2$ BPSK	1725.00	H	143	219	2.87	1 / 158	20.58	23.45	0.221	30.00	-6.55
	$\pi/2$ BPSK	1745.00	H	140	224	2.84	1 / 158	20.29	23.14	0.206	30.00	-6.86
	$\pi/2$ BPSK	1765.00	H	136	221	2.80	1 / 80	20.15	22.95	0.197	30.00	-7.05
	QPSK	1725.00	H	143	219	2.87	1 / 158	20.48	23.35	0.216	30.00	-6.65
	QPSK	1745.00	H	143	224	2.84	1 / 158	20.13	22.97	0.198	30.00	-7.03
	QPSK	1765.00	H	136	221	2.80	1 / 80	20.15	22.95	0.197	30.00	-7.05
	16-QAM	1725.00	H	143	219	2.87	1 / 158	19.95	22.82	0.191	30.00	-7.18
25 MHz	16-QAM	1745.00	H	143	224	2.84	1 / 158	19.10	21.94	0.156	30.00	-8.06
	16-QAM	1765.00	H	136	221	2.80	1 / 80	19.14	21.94	0.156	30.00	-8.06
	$\pi/2$ BPSK	1722.5	H	143	219	2.87	1 / 66	20.51	23.39	0.218	30.00	-6.61
	$\pi/2$ BPSK	1745.0	H	140	224	2.84	1 / 131	20.27	23.11	0.205	30.00	-6.89
	$\pi/2$ BPSK	1767.5	H	136	221	2.80	1 / 1	20.10	22.90	0.195	30.00	-7.10
	QPSK	1722.5	H	143	219	2.87	1 / 66	20.46	23.33	0.215	30.00	-6.67
	QPSK	1745.0	H	143	224	2.84	1 / 131	20.15	22.99	0.199	30.00	-7.01
	QPSK	1767.5	H	136	221	2.80	1 / 1	20.19	22.98	0.199	30.00	-7.02
20 MHz	16-QAM	1722.5	H	143	219	2.87	1 / 66	19.72	22.59	0.182	30.00	-7.41
	16-QAM	1745.0	H	143	224	2.84	1 / 131	19.22	22.06	0.161	30.00	-7.94
	16-QAM	1767.5	H	136	221	2.80	1 / 1	19.18	21.98	0.158	30.00	-8.02
	$\pi/2$ BPSK	1720.00	H	143	219	2.88	1 / 53	20.59	23.47	0.222	30.00	-6.53
	$\pi/2$ BPSK	1745.00	H	140	224	2.84	1 / 104	20.19	23.03	0.201	30.00	-6.97
	$\pi/2$ BPSK	1770.00	H	136	221	2.79	1 / 1	20.21	23.00	0.200	30.00	-7.00
	QPSK	1720.00	H	143	219	2.88	1 / 53	20.50	23.37	0.217	30.00	-6.63
	QPSK	1745.00	H	143	224	2.84	1 / 104	20.17	23.02	0.200	30.00	-6.98
15 MHz	QPSK	1770.00	H	136	221	2.79	1 / 1	20.26	23.04	0.202	30.00	-6.96
	16-QAM	1720.00	H	143	219	2.88	1 / 53	19.75	22.62	0.183	30.00	-7.38
	16-QAM	1745.00	H	143	224	2.84	1 / 104	19.20	22.04	0.160	30.00	-7.96
	16-QAM	1770.00	H	136	221	2.79	1 / 1	19.13	21.92	0.156	30.00	-8.08
	$\pi/2$ BPSK	1717.50	H	143	219	2.88	1 / 39	20.63	23.51	0.224	30.00	-6.49
	$\pi/2$ BPSK	1745.00	H	140	224	2.84	1 / 39	20.21	23.06	0.202	30.00	-6.94
	$\pi/2$ BPSK	1772.50	H	136	221	2.78	1 / 1	20.17	22.95	0.197	30.00	-7.05
	QPSK	1717.50	H	143	219	2.88	1 / 39	20.51	23.39	0.218	30.00	-6.61
10 MHz	QPSK	1745.00	H	143	224	2.84	1 / 39	20.13	22.97	0.198	30.00	-7.03
	QPSK	1772.50	H	136	221	2.78	1 / 1	20.25	23.04	0.201	30.00	-6.96
	16-QAM	1717.50	H	143	219	2.88	1 / 39	19.83	22.71	0.187	30.00	-7.29
	16-QAM	1745.00	H	143	224	2.84	1 / 39	19.39	22.23	0.167	30.00	-7.77
	16-QAM	1772.50	H	136	221	2.78	1 / 1	19.07	21.85	0.153	30.00	-8.15
	$\pi/2$ BPSK	1715.00	H	143	219	2.88	1 / 26	20.70	23.58	0.228	30.00	-6.42
	$\pi/2$ BPSK	1745.00	H	140	224	2.84	1 / 26	20.25	23.09	0.204	30.00	-6.91
	$\pi/2$ BPSK	1775.00	H	136	221	2.78	1 / 26	20.14	22.92	0.196	30.00	-7.08
5 MHz	QPSK	1715.00	H	143	219	2.88	1 / 26	20.57	23.45	0.221	30.00	-6.55
	QPSK	1745.00	H	143	224	2.84	1 / 26	20.10	22.94	0.197	30.00	-7.06
	QPSK	1775.00	H	136	221	2.78	1 / 26	20.13	22.91	0.195	30.00	-7.09
	16-QAM	1715.00	H	143	219	2.88	1 / 26	19.95	22.84	0.192	30.00	-7.16
	16-QAM	1745.00	H	143	224	2.84	1 / 26	19.16	22.00	0.158	30.00	-8.00
	16-QAM	1775.00	H	136	221	2.78	1 / 26	19.20	21.98	0.158	30.00	-8.02
	$\pi/2$ BPSK	1712.50	H	143	219	2.89	1 / 12	20.69	23.57	0.228	30.00	-6.43
	$\pi/2$ BPSK	1745.00	H	140	224	2.84	1 / 1	20.20	23.05	0.202	30.00	-6.95
40 MHz	$\pi/2$ BPSK	1777.50	H	136	221	2.77	1 / 12	20.17	22.94	0.197	30.00	-7.06
	QPSK	1712.50	H	143	219	2.89	1 / 12	20.57	23.46	0.222	30.00	-6.54
	QPSK	1745.00	H	143	224	2.84	1 / 1	20.12	22.96	0.198	30.00	-7.04
	QPSK	1777.50	H	136	221	2.77	1 / 12	20.21	22.98	0.199	30.00	-7.02
	16-QAM	1712.50	H	143	219	2.89	1 / 12	20.04	22.93	0.196	30.00	-7.07
	16-QAM	1745.00	H	143	224	2.84	1 / 1	19.25	22.09	0.162	30.00	-7.91
	16-QAM	1777.50	H	136	221	2.77	1 / 12	19.00	21.77	0.150	30.00	-8.23
	QPSK (CP-OFDM)	1730.00	H	139	219	2.84	1 / 80	19.40	22.24	0.168	30.00	-7.76
40 MHz	QPSK (Opposite Pol.)	1730.00	V	143	333	2.92	1 / 80	19.64	22.56	0.180	30.00	-7.44
	QPSK (WCP)	1730.00	H	192	170	2.84	1 / 80	19.67	22.51	0.178	30.00	-7.49

Table 7-32. EIRP Data (NR Band n66) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 183 of 221

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	152	30	17.45	2.88	20.33	0.108	30.00	-9.67
1732.60	WCDMA1700	V	149	32	17.23	2.92	20.15	0.104	30.00	-9.85
1752.60	WCDMA1700	V	158	21	17.74	2.96	20.70	0.118	30.00	-9.30
1752.60	WCDMA1700	H	365	358	15.80	2.83	18.63	0.073	30.00	-11.37
1752.60	WCDMA1700 (WCP)	V	158	21	14.80	2.96	17.76	0.060	30.00	-12.24

Table 7-33. EIRP Data (WCDMA AWS) – 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]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	704.00	V	152	304	1.12	1 / 25	20.62	21.74	0.149	36.99	-15.25	19.59	0.091	34.77	-15.18
	QPSK	707.50	V	159	308	1.14	1 / 49	21.09	22.23	0.167	36.99	-14.75	20.08	0.102	34.77	-14.69
	QPSK	711.00	V	158	310	1.17	1 / 25	20.84	22.01	0.159	36.99	-14.98	19.86	0.097	34.77	-14.91
	16-QAM	704.00	V	152	304	1.12	1 / 25	19.87	20.99	0.126	36.99	-16.00	18.84	0.077	34.77	-15.93
	16-QAM	707.50	V	159	308	1.14	1 / 49	20.71	21.85	0.153	36.99	-15.13	19.70	0.093	34.77	-15.07
	16-QAM	711.00	V	158	310	1.17	1 / 25	20.19	21.36	0.137	36.99	-15.63	19.21	0.083	34.77	-15.66
5 MHz	QPSK	701.50	V	152	304	1.10	1 / 24	20.68	21.77	0.150	36.99	-15.21	19.62	0.092	34.77	-15.15
	QPSK	707.50	V	159	308	1.14	1 / 0	21.08	22.23	0.167	36.99	-14.76	20.08	0.102	34.77	-14.69
	QPSK	713.50	V	158	310	1.19	1 / 0	20.88	22.07	0.161	36.99	-14.92	19.92	0.098	34.77	-14.85
	16-QAM	701.50	V	152	304	1.10	1 / 24	19.98	21.08	0.128	36.99	-15.91	18.93	0.078	34.77	-15.84
	16-QAM	707.50	V	159	308	1.14	1 / 0	20.99	22.14	0.164	36.99	-14.85	19.99	0.100	34.77	-14.78
	16-QAM	713.50	V	158	310	1.19	1 / 0	20.23	21.42	0.139	36.99	-15.57	19.27	0.085	34.77	-15.50
3 MHz	QPSK	700.50	V	152	304	1.09	1 / 0	20.69	21.78	0.150	36.99	-15.21	19.63	0.092	34.77	-15.15
	QPSK	707.50	V	159	308	1.14	1 / 14	21.14	22.29	0.169	36.99	-14.70	20.14	0.103	34.77	-14.63
	QPSK	714.50	V	158	310	1.20	1 / 14	20.73	21.93	0.156	36.99	-15.06	19.78	0.095	34.77	-14.99
	16-QAM	700.50	V	152	304	1.09	1 / 0	19.79	20.88	0.122	36.99	-16.11	18.73	0.075	34.77	-16.04
	16-QAM	707.50	V	159	308	1.14	1 / 14	20.98	22.12	0.163	36.99	-14.87	19.97	0.099	34.77	-14.80
	16-QAM	714.50	V	158	310	1.20	1 / 14	19.92	21.12	0.129	36.99	-15.87	18.97	0.079	34.77	-15.80
1.4 MHz	QPSK	699.70	V	152	304	1.08	1 / 3	20.65	21.73	0.149	36.99	-15.26	19.58	0.091	34.77	-15.19
	QPSK	707.50	V	159	308	1.14	1 / 0	21.00	22.14	0.164	36.99	-14.85	19.99	0.100	34.77	-14.78
	QPSK	715.30	V	158	310	1.21	1 / 5	20.62	21.83	0.152	36.99	-15.16	19.68	0.093	34.77	-15.09
	16-QAM	699.70	V	152	304	1.08	1 / 3	19.84	20.92	0.124	36.99	-16.07	18.77	0.075	34.77	-16.00
	16-QAM	707.50	V	159	308	1.14	1 / 0	20.57	21.71	0.148	36.99	-15.28	19.56	0.090	34.77	-15.21
	16-QAM	715.30	V	158	310	1.21	1 / 5	19.87	21.08	0.128	36.99	-15.91	18.93	0.078	34.77	-15.85
10 MHz	Opposite Pol.	707.50	H	284	341	1.14	1/0	19.91	21.05	0.127	36.99	-15.93	18.90	0.078	34.77	-15.87
	WCP	707.50	V	177	317	1.14	1/49	19.37	20.51	0.113	36.99	-16.47	18.36	0.069	34.77	-16.41

Table 7-34. 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]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	782.00	H	254	237	1.09	1 / 25	20.72	21.81	0.152	36.99	-15.18	19.66	0.092	34.77	-15.12
	16-QAM	782.00	H	254	237	1.09	1 / 25	19.76	20.85	0.121	36.99	-16.14	18.70	0.074	34.77	-16.08
5 MHz	QPSK	779.50	H	254	237	1.11	1 / 12	20.61	21.72	0.149	36.99	-15.27	19.57	0.091	34.77	-15.20
	QPSK	782.00	H	254	237	1.09	1 / 24	20.72	21.81	0.152	36.99	-15.18	19.66	0.092	34.77	-15.11
	QPSK	784.50	H	254	237	1.06	1 / 24	20.81	21.87	0.154	36.99	-15.12	19.72	0.094	34.77	-15.05
	16-QAM	779.50	H	254	237	1.11	1 / 12	19.43	20.53	0.113	36.99	-16.46	18.38	0.069	34.77	-16.39
	16-QAM	782.00	H	254	237	1.09	1 / 24	19.71	20.79	0.120	36.99	-16.20	18.64	0.073	34.77	-16.13
	16-QAM	784.50	H	254	237	1.06	1 / 24	19.79	20.86	0.122	36.99	-16.13	18.71	0.074	34.77	-16.07
10 MHz	Opposite Pol.	782.00	V	257	239	0.89	1/25	18.52	19.41	0.087	36.99	-17.58	17.26	0.053	34.77	-17.51
	WCP	782.00	H	247	234	1.09	1/1	19.24	20.33	0.108	36.99	-16.66	18.18	0.066	34.77	-16.60

Table 7-35. ERP Data (LTE Band 13) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset		Page 184 of 221

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	165	23	2.90	1 / 0	18.64	21.54	0.142	30.00	-8.46
	QPSK	1745.00	V	155	15	2.94	1 / 50	18.60	21.54	0.143	30.00	-8.46
	QPSK	1770.00	V	162	11	3.02	1 / 0	17.54	20.56	0.114	30.00	-9.44
	16-QAM	1720.00	V	165	23	2.90	1 / 0	17.77	20.67	0.117	30.00	-9.33
	16-QAM	1745.00	V	155	15	2.94	1 / 50	17.09	20.03	0.101	30.00	-9.97
15 MHz	16-QAM	1770.00	V	162	11	3.02	1 / 0	16.85	19.87	0.097	30.00	-10.13
	QPSK	1717.50	V	165	23	2.89	1 / 0	18.77	21.66	0.147	30.00	-8.34
	QPSK	1745.00	V	155	15	2.94	1 / 74	18.63	21.58	0.144	30.00	-8.42
	QPSK	1772.50	V	162	11	3.03	1 / 74	17.54	20.57	0.114	30.00	-9.43
	16-QAM	1717.50	V	165	23	2.89	1 / 0	17.90	20.79	0.120	30.00	-9.21
10 MHz	16-QAM	1745.00	V	155	15	2.94	1 / 74	16.87	19.82	0.096	30.00	-10.18
	16-QAM	1772.50	V	162	11	3.03	1 / 74	16.56	19.59	0.091	30.00	-10.41
	QPSK	1715.00	V	165	23	2.89	1 / 0	18.71	21.60	0.145	30.00	-8.40
	QPSK	1745.00	V	155	15	2.94	1 / 49	18.68	21.62	0.145	30.00	-8.38
	QPSK	1775.00	V	162	11	3.04	1 / 0	17.53	20.57	0.114	30.00	-9.43
5 MHz	16-QAM	1715.00	V	165	23	2.89	1 / 0	17.96	20.85	0.122	30.00	-9.15
	16-QAM	1745.00	V	155	15	2.94	1 / 49	17.06	20.00	0.100	30.00	-10.00
	16-QAM	1775.00	V	162	11	3.04	1 / 0	16.68	19.72	0.094	30.00	-10.28
	QPSK	1712.50	V	165	23	2.88	1 / 24	18.90	21.78	0.151	30.00	-8.22
	QPSK	1745.00	V	155	15	2.94	1 / 0	18.66	21.60	0.145	30.00	-8.40
3 MHz	QPSK	1777.50	V	162	11	3.05	1 / 0	17.50	20.55	0.113	30.00	-9.45
	16-QAM	1712.50	V	165	23	2.88	1 / 24	18.18	21.06	0.128	30.00	-8.94
	16-QAM	1745.00	V	155	15	2.94	1 / 0	17.00	19.94	0.099	30.00	-10.06
	16-QAM	1777.50	V	162	11	3.05	1 / 0	16.70	19.75	0.094	30.00	-10.25
	QPSK	1711.50	V	165	23	2.88	1 / 0	18.80	21.68	0.147	30.00	-8.32
1.4 MHz	QPSK	1745.00	V	155	15	2.94	1 / 7	18.69	21.63	0.146	30.00	-8.37
	QPSK	1778.50	V	162	11	3.05	1 / 7	17.46	20.51	0.112	30.00	-9.49
	16-QAM	1711.50	V	165	23	2.88	1 / 0	17.92	20.80	0.120	30.00	-9.20
	16-QAM	1745.00	V	155	15	2.94	1 / 7	17.01	19.95	0.099	30.00	-10.05
	16-QAM	1778.50	V	162	11	3.05	1 / 7	16.51	19.56	0.090	30.00	-10.44
20 MHz	QPSK	1710.70	V	165	23	2.88	1 / 0	18.69	21.57	0.143	30.00	-8.43
	QPSK	1745.00	V	155	15	2.94	1 / 5	18.66	21.60	0.145	30.00	-8.40
	QPSK	1779.30	V	162	11	3.05	1 / 0	17.49	20.54	0.113	30.00	-9.46
	16-QAM	1710.70	V	165	23	2.88	1 / 0	17.96	20.84	0.121	30.00	-9.16
	16-QAM	1745.00	V	155	15	2.94	1 / 5	17.01	19.95	0.099	30.00	-10.05
20 MHz	Opposite Pol.	1745.00	H	307	348	2.94	1/50	17.87	20.81	0.121	30.00	-9.19
	WCP	1745.00	V	171	32	2.94	1/50	17.05	19.99	0.100	30.00	-10.01

Table 7-36. 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]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
15 MHz	$\pi/2$ BPSK	706.50	V	153	289	1.14	1 / 77	21.21	22.35	0.172	36.99	-14.64	20.20	0.105	34.77	-14.57
	$\pi/2$ BPSK	707.50	V	156	294	1.14	1 / 39	21.29	22.43	0.175	36.99	-14.55	20.28	0.107	34.77	-14.49
	$\pi/2$ BPSK	708.50	V	150	287	1.15	1 / 39	21.13	22.28	0.169	36.99	-14.71	20.13	0.103	34.77	-14.64
	QPSK	706.50	V	153	289	1.14	1 / 77	21.15	22.29	0.169	36.99	-14.70	20.14	0.103	34.77	-14.63
	QPSK	707.50	V	156	294	1.14	1 / 39	21.26	22.40	0.174	36.99	-14.58	20.25	0.106	34.77	-14.52
	QPSK	708.50	V	150	287	1.15	1 / 39	21.09	22.24	0.168	36.99	-14.75	20.09	0.102	34.77	-14.68
	16-QAM	706.50	V	153	289	1.14	1 / 77	20.18	21.32	0.135	36.99	-15.67	19.17	0.083	34.77	-15.60
	16-QAM	707.50	V	156	294	1.14	1 / 39	20.30	21.44	0.139	36.99	-15.54	19.29	0.085	34.77	-15.48
	16-QAM	708.50	V	150	287	1.15	1 / 39	20.06	21.21	0.132	36.99	-15.78	19.06	0.081	34.77	-15.71
	$\pi/2$ BPSK	704.00	V	153	289	1.12	1 / 26	21.12	22.23	0.167	36.99	-14.76	20.08	0.102	34.77	-14.69
10 MHz	$\pi/2$ BPSK	707.50	V	156	294	1.14	1 / 1	21.22	22.36	0.172	36.99	-14.63	20.21	0.105	34.77	-14.56
	$\pi/2$ BPSK	711.00	V	150	287	1.17	1 / 26	21.10	22.27	0.169	36.99	-14.71	20.12	0.103	34.77	-14.65
	QPSK	704.00	V	153	289	1.12	1 / 26	21.10	22.22	0.167	36.99	-14.77	20.07	0.102	34.77	-14.70
	QPSK	707.50	V	156	294	1.14	1 / 1	21.18	22.33	0.171	36.99	-14.66	20.18	0.104	34.77	-14.59
	QPSK	711.00	V	150	287	1.17	1 / 26	21.11	22.28	0.169	36.99	-14.71	20.13	0.103	34.77	-14.64
	16-QAM	704.00	V	153	289	1.12	1 / 26	20.04	21.16	0.131	36.99	-15.83	19.01	0.080	34.77	-15.76
	16-QAM	707.50	V	156	294	1.14	1 / 1	20.22	21.36	0.137	36.99	-15.63	19.21	0.083	34.77	-15.56
	16-QAM	711.00	V	150	287	1.17	1 / 26	19.99	21.16	0.131	36.99	-15.83	19.01	0.080	34.77	-15.76
	$\pi/2$ BPSK	701.50	V	153	289	1.10	1 / 23	21.16	22.26	0.168	36.99	-14.73	20.11	0.103	34.77	-14.66
	$\pi/2$ BPSK	707.50	V	156	294	1.14	1 / 23	21.23	22.38	0.173	36.99	-14.61	20.23	0.105	34.77	-14.55
5 MHz	$\pi/2$ BPSK	713.50	V	150	287	1.19	1 / 1	21.03	22.23	0.167	36.99	-14.76	20.08	0.102	34.77	-14.70
	QPSK	701.50	V	153	289	1.10	1 / 23	21.21	22.31	0.170	36.99	-14.68	20.16	0.104	34.77	-14.61
	QPSK	707.50	V	156	294	1.14	1 / 23	21.21	22.35	0.172	36.99	-14.64	20.20	0.105	34.77	-14.57
	QPSK	713.50	V	150	287	1.19	1 / 1	21.09	22.28	0.169	36.99	-14.71	20.13	0.103	34.77	-14.64
	16-QAM	701.50	V	153	289	1.10	1 / 23	20.05	21.15	0.130	36.99	-15.84	19.00	0.079	34.77	-15.77
	16-QAM	707.50	V	156	294	1.14	1 / 23	20.24	21.38	0.137	36.99	-15.61	19.23	0.084	34.77	-15.54
	16-QAM	713.50	V	150	287	1.19	1 / 1	19.84	21.04	0.127	36.99	-15.95	18.89	0.077	34.77	-15.89
	QPSK (CP-OFDM)	707.50	V	156	293	1.14	1/39	19.55	20.69	0.117	36.99	-16.29	18.54	0.072	34.77	-16.23
	QPSK (Opposite Pol.)	707.50	H	136	241	1.14	1/39	21.06	22.20	0.166	36.99	-14.78	20.05	0.101	34.77	-14.72
	QPSK (WCP)	707.50	V	152	293	1.14	1/77	14.10	15.24	0.033	36.99	-21.74	13.09	0.020	34.77	-21.68

Table 7-37. ERP Data (NR Band n12) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset		Page 185 of 221

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	149	17	2.92	1 / 80	17.52	20.44	0.111	30.00	-9.56
	$\pi/2$ BPSK	1745.00	V	156	24	2.94	1 / 80	17.81	20.75	0.119	30.00	-9.25
	$\pi/2$ BPSK	1760.00	V	142	27	2.99	1 / 80	17.92	20.91	0.123	30.00	-9.09
	QPSK	1730.00	V	149	17	2.92	1 / 80	17.46	20.38	0.109	30.00	-9.62
	QPSK	1745.00	V	156	24	2.94	1 / 80	17.78	20.72	0.118	30.00	-9.28
	QPSK	1760.00	V	142	27	2.99	1 / 80	17.84	20.83	0.121	30.00	-9.17
	16-QAM	1730.00	V	149	17	2.92	1 / 80	16.58	19.50	0.089	30.00	-10.50
	16-QAM	1745.00	V	156	24	2.94	1 / 80	16.83	19.77	0.095	30.00	-10.23
	16-QAM	1760.00	V	142	27	2.99	1 / 80	16.97	19.96	0.099	30.00	-10.04
30 MHz	$\pi/2$ BPSK	1725.00	V	149	17	2.91	1 / 80	17.49	20.40	0.110	30.00	-9.60
	$\pi/2$ BPSK	1745.00	V	156	24	2.94	1 / 158	17.76	20.70	0.118	30.00	-9.30
	$\pi/2$ BPSK	1765.00	V	142	27	3.00	1 / 80	17.78	20.79	0.120	30.00	-9.21
	QPSK	1725.00	V	149	17	2.91	1 / 80	17.48	20.38	0.109	30.00	-9.62
	QPSK	1745.00	V	156	24	2.94	1 / 158	17.80	20.74	0.119	30.00	-9.26
	QPSK	1765.00	V	142	27	3.00	1 / 80	17.68	20.68	0.117	30.00	-9.32
	16-QAM	1725.00	V	149	17	2.91	1 / 80	16.46	19.36	0.086	30.00	-10.64
	16-QAM	1745.00	V	156	24	2.94	1 / 158	16.75	19.70	0.093	30.00	-10.30
25 MHz	16-QAM	1765.00	V	142	27	3.00	1 / 80	16.86	19.87	0.097	30.00	-10.13
	$\pi/2$ BPSK	1722.5	V	149	17	2.90	1 / 1	17.45	20.35	0.108	30.00	-9.65
	$\pi/2$ BPSK	1745.0	V	156	24	2.94	1 / 131	17.65	20.60	0.115	30.00	-9.40
	$\pi/2$ BPSK	1767.5	V	142	27	3.01	1 / 66	17.79	20.81	0.120	30.00	-9.19
	QPSK	1722.5	V	149	17	2.90	1 / 1	17.44	20.35	0.108	30.00	-9.65
	QPSK	1745.0	V	156	24	2.94	1 / 131	17.71	20.65	0.116	30.00	-9.35
	QPSK	1767.5	V	142	27	3.01	1 / 66	17.72	20.73	0.118	30.00	-9.27
	16-QAM	1722.5	V	149	17	2.90	1 / 1	16.42	19.33	0.086	30.00	-10.67
20 MHz	16-QAM	1745.0	V	156	24	2.94	1 / 131	16.64	19.58	0.091	30.00	-10.42
	16-QAM	1767.5	V	142	27	3.01	1 / 66	16.84	19.85	0.097	30.00	-10.15
	$\pi/2$ BPSK	1720.00	V	149	17	2.90	1 / 1	17.42	20.32	0.108	30.00	-9.68
	$\pi/2$ BPSK	1745.00	V	156	24	2.94	1 / 104	17.69	20.64	0.116	30.00	-9.36
	$\pi/2$ BPSK	1770.00	V	142	27	3.02	1 / 1	17.80	20.82	0.121	30.00	-9.18
	QPSK	1720.00	V	149	17	2.90	1 / 1	17.41	20.31	0.107	30.00	-9.69
	QPSK	1745.00	V	156	24	2.94	1 / 104	17.68	20.62	0.115	30.00	-9.38
	QPSK	1770.00	V	142	27	3.02	1 / 1	17.72	20.74	0.119	30.00	-9.26
15 MHz	16-QAM	1720.00	V	149	17	2.90	1 / 1	16.39	19.28	0.085	30.00	-10.72
	16-QAM	1745.00	V	156	24	2.94	1 / 104	16.73	19.67	0.093	30.00	-10.33
	16-QAM	1770.00	V	142	27	3.02	1 / 1	16.83	19.85	0.097	30.00	-10.15
	$\pi/2$ BPSK	1717.50	V	149	17	2.89	1 / 39	17.52	20.42	0.110	30.00	-9.58
	$\pi/2$ BPSK	1745.00	V	156	24	2.94	1 / 77	17.73	20.68	0.117	30.00	-9.32
	$\pi/2$ BPSK	1772.50	V	142	27	3.03	1 / 1	17.79	20.82	0.121	30.00	-9.18
	QPSK	1717.50	V	149	17	2.89	1 / 39	17.49	20.38	0.109	30.00	-9.62
	QPSK	1745.00	V	156	24	2.94	1 / 77	17.79	20.73	0.118	30.00	-9.27
10 MHz	QPSK	1772.50	V	142	27	3.03	1 / 1	17.66	20.69	0.117	30.00	-9.31
	16-QAM	1717.50	V	149	17	2.89	1 / 39	16.59	19.48	0.089	30.00	-10.52
	16-QAM	1745.00	V	156	24	2.94	1 / 77	16.72	19.66	0.093	30.00	-10.34
	16-QAM	1772.50	V	142	27	3.03	1 / 1	16.80	19.83	0.096	30.00	-10.17
	$\pi/2$ BPSK	1715.00	V	149	17	2.89	1 / 26	17.56	20.45	0.111	30.00	-9.55
	$\pi/2$ BPSK	1745.00	V	156	24	2.94	1 / 50	17.57	20.52	0.113	30.00	-9.48
	$\pi/2$ BPSK	1775.00	V	142	27	3.04	1 / 1	17.76	20.80	0.120	30.00	-9.20
	QPSK	1715.00	V	149	17	2.89	1 / 26	17.53	20.42	0.110	30.00	-9.58
5 MHz	QPSK	1745.00	V	156	24	2.94	1 / 50	17.56	20.50	0.112	30.00	-9.50
	QPSK	1775.00	V	142	27	3.04	1 / 1	17.67	20.71	0.118	30.00	-9.29
	16-QAM	1715.00	V	149	17	2.89	1 / 26	16.55	19.44	0.088	30.00	-10.56
	16-QAM	1745.00	V	156	24	2.94	1 / 50	16.77	19.71	0.094	30.00	-10.29
	16-QAM	1775.00	V	142	27	3.04	1 / 1	16.83	19.87	0.097	30.00	-10.13
	$\pi/2$ BPSK	1712.50	V	149	17	2.88	1 / 1	17.58	20.46	0.111	30.00	-9.54
	$\pi/2$ BPSK	1745.00	V	156	24	2.94	1 / 1	17.66	20.60	0.115	30.00	-9.40
	$\pi/2$ BPSK	1777.50	V	142	27	3.05	1 / 12	17.84	20.88	0.123	30.00	-9.12
40 MHz	QPSK	1712.50	V	149	17	2.88	1 / 1	17.53	20.41	0.110	30.00	-9.59
	QPSK	1745.00	V	156	24	2.94	1 / 1	17.63	20.58	0.114	30.00	-9.42
	QPSK	1777.50	V	142	27	3.05	1 / 12	17.70	20.75	0.119	30.00	-9.25
	16-QAM	1712.50	V	149	17	2.88	1 / 1	16.47	19.36	0.086	30.00	-10.64
	16-QAM	1745.00	V	156	24	2.94	1 / 1	16.64	19.58	0.091	30.00	-10.42
	16-QAM	1777.50	V	142	27	3.05	1 / 12	16.98	20.03	0.101	30.00	-9.97
	QPSK (CP-OFDM)	1760.00	V	135	18	2.99	1/108	16.17	19.16	0.082	30.00	-10.84
	QPSK (Opposite Pol.)	1760.00	H	251	356	2.81	1/108	16.73	19.54	0.090	30.00	-10.46
40 MHz	QPSK (WCP)	1760.00	V	145	22	2.99	1/108	15.49	18.48	0.070	30.00	-11.52

Table 7-38. EIRP Data (NR Band n66) – Ant2

FCC ID: A3LSMS947B	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.

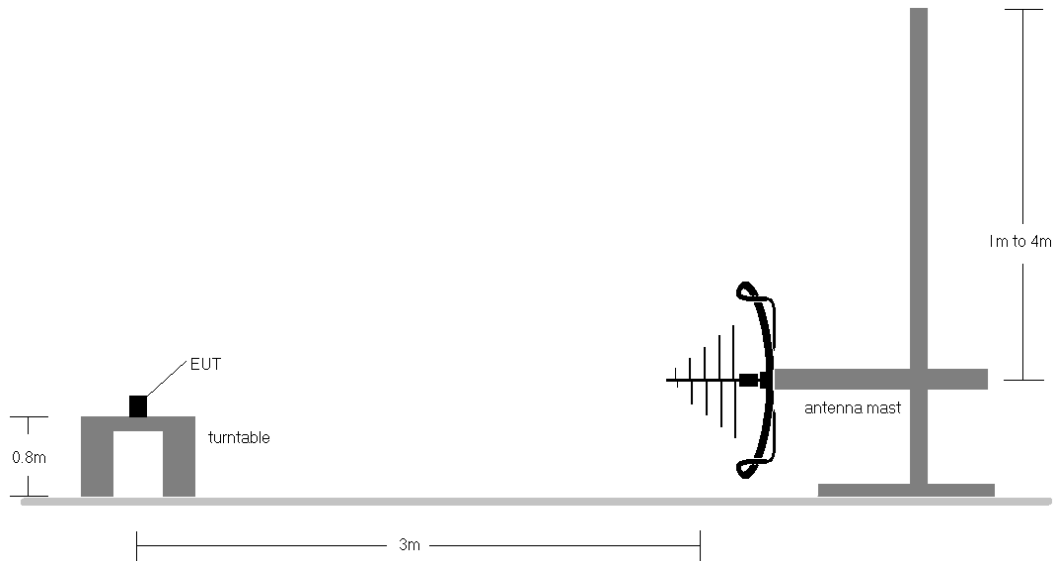


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

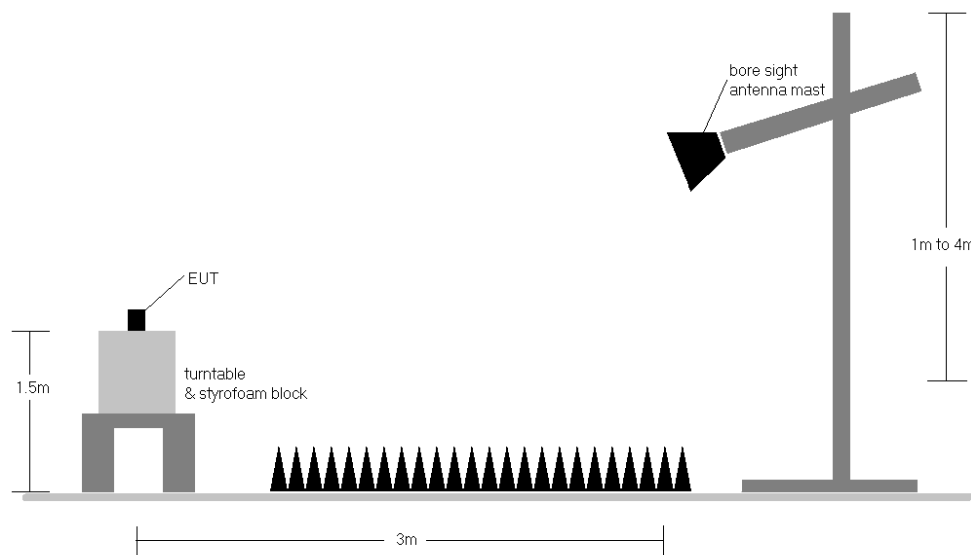


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

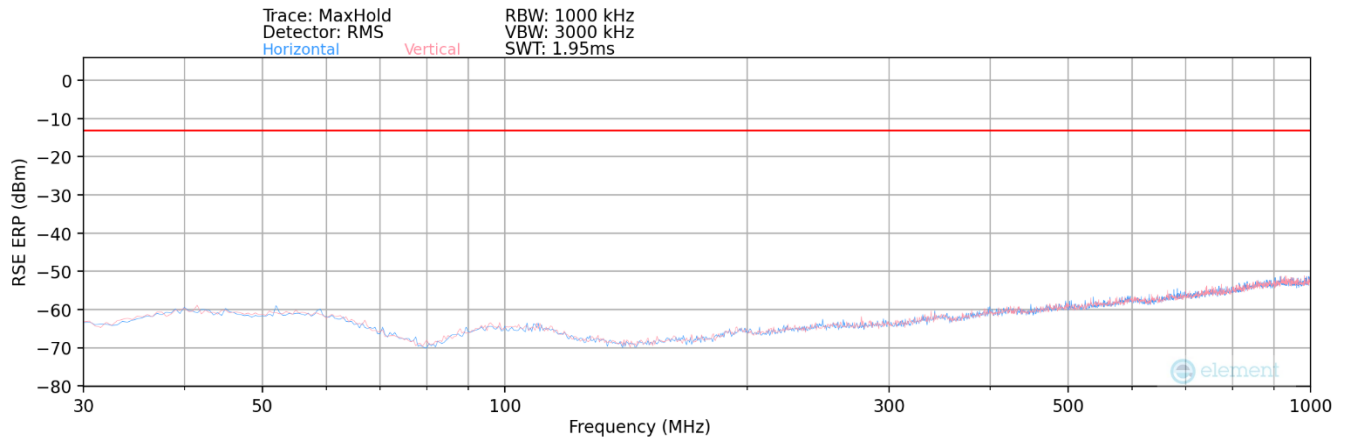
FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

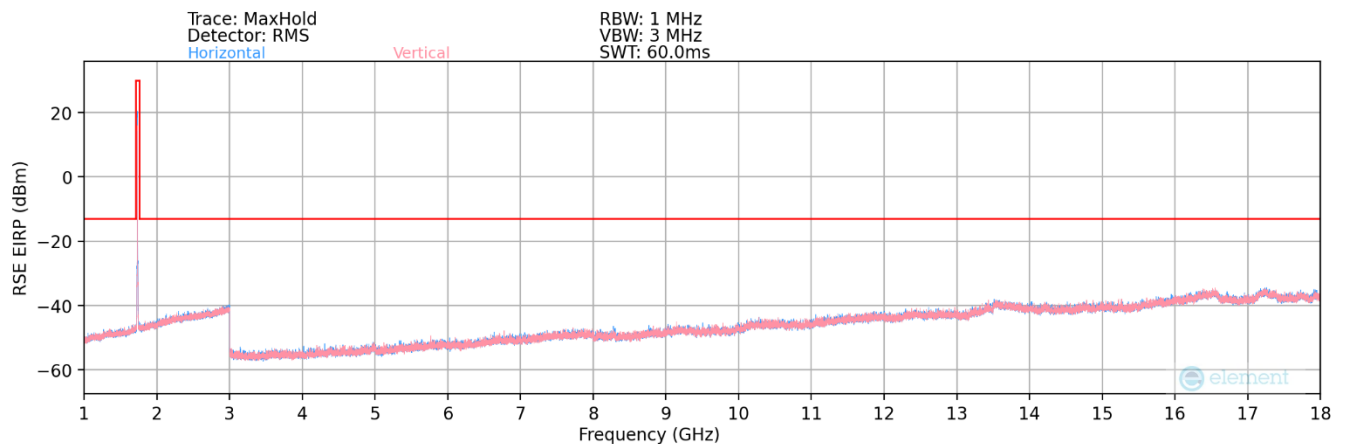
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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.

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WCDMA AWS – Ant1



Plot 7-237. Radiated Spurious Plot (WCDMA AWS) – Ant1



Plot 7-238. Radiated Spurious Plot (WCDMA AWS) – 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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
675.00	H	-	-	-86.42	-3.39	17.19	-80.21	-13.00	-67.21

Table 7-39. Radiated Spurious Data (WCDMA AWS) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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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	-	-	-79.63	7.03	34.40	-60.86	-13.00	-47.86
5137.20	H	-	-	-81.32	10.60	36.28	-58.98	-13.00	-45.98
6849.60	H	-	-	-81.85	14.12	39.27	-55.99	-13.00	-42.99

7-40. 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	-	-	-79.24	7.02	34.78	-60.48	-13.00	-47.48
5197.80	H	-	-	-81.01	10.25	36.24	-59.02	-13.00	-46.02
6930.40	H	-	-	-81.92	13.67	38.75	-56.51	-13.00	-43.51

Table 7-41. Radiated Spurious Data (WCDMA AWS – Mid Channel) – Ant1

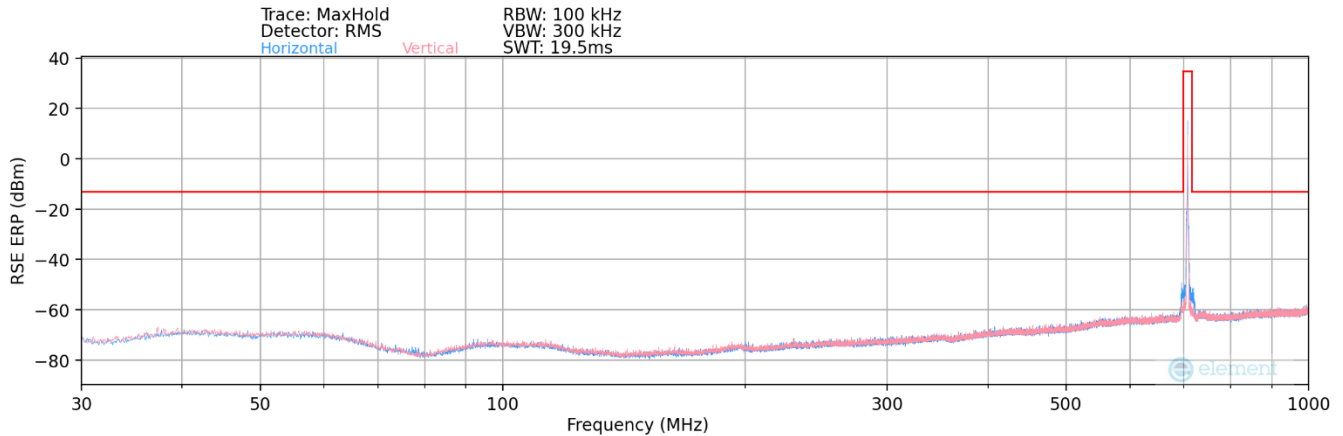
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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	-	-	-79.87	7.16	34.29	-60.97	-13.00	-47.97
5257.80	H	-	-	-81.06	10.26	36.20	-59.06	-13.00	-46.06
7010.40	H	-	-	-82.15	14.37	39.22	-56.04	-13.00	-43.04

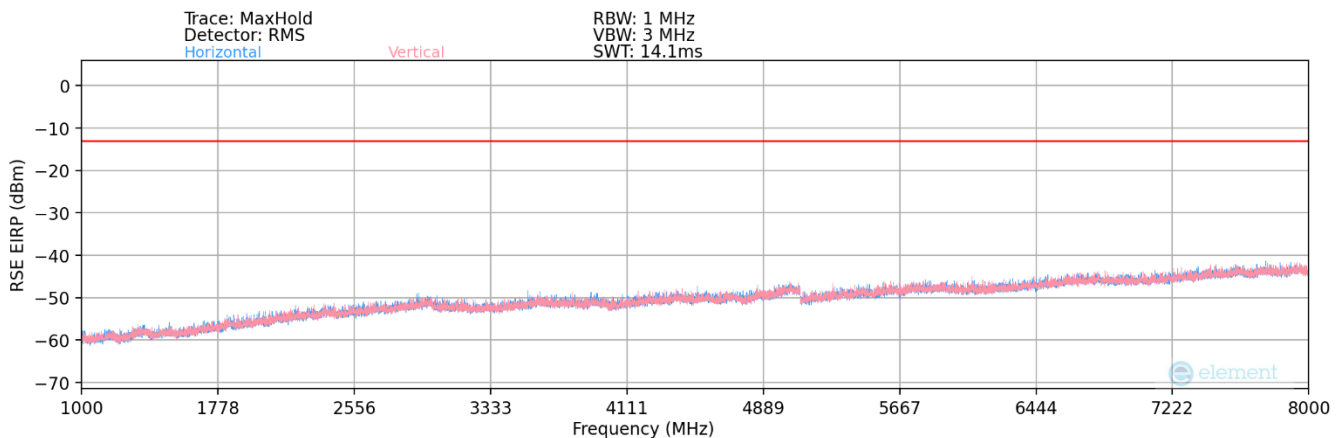
Table 7-42. Radiated Spurious Data (WCDMA AWS – High Channel) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17 – Ant1



Plot 7-239. Radiated Spurious Plot (LTE Band 12/17) – Ant1



Plot 7-240. Radiated Spurious Plot (LTE Band 12/17) – Ant1

Mode:	Stand Alone
Channel:	23095
Frequency (MHz):	707.5

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]
37.00	V	-	-	-64.11	-13.50	29.39	-68.01	-13.00	-55.01
170.00	V	-	-	-71.71	-15.82	19.47	-77.93	-13.00	-64.93
228.00	V	-	-	-73.12	-12.58	21.30	-76.11	-13.00	-63.11

Table 7-43. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset		Page 192 of 221

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	-	-	-78.43	-1.56	27.01	-68.25	-13.00	-55.25
2112.00	V	-	-	-80.03	2.81	29.78	-65.47	-13.00	-52.47
2816.00	V	-	-	-81.18	5.10	30.92	-64.34	-13.00	-51.34

Table 7-44. 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	V	-	-	-77.99	-1.55	27.46	-67.80	-13.00	-54.80
2122.50	V	-	-	-79.34	2.82	30.48	-64.78	-13.00	-51.78
2830.00	V	-	-	-79.79	5.27	32.48	-62.78	-13.00	-49.78

Table 7-45. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant1

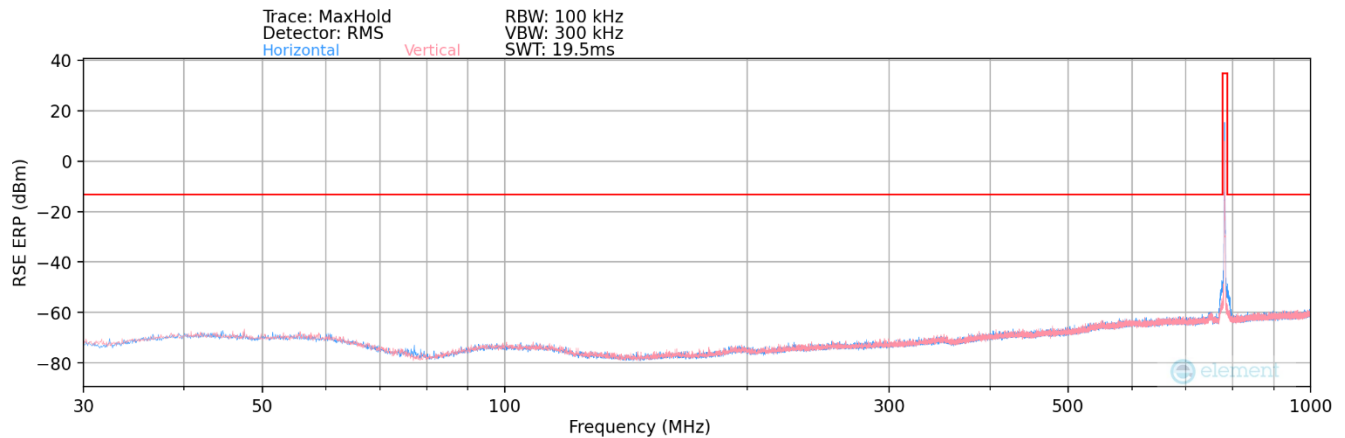
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

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	V	-	-	-78.30	-1.38	27.32	-67.93	-13.00	-54.93
2133.00	V	-	-	-79.87	2.74	29.87	-65.38	-13.00	-52.38
2844.00	V	-	-	-80.87	5.09	31.22	-64.03	-13.00	-51.03

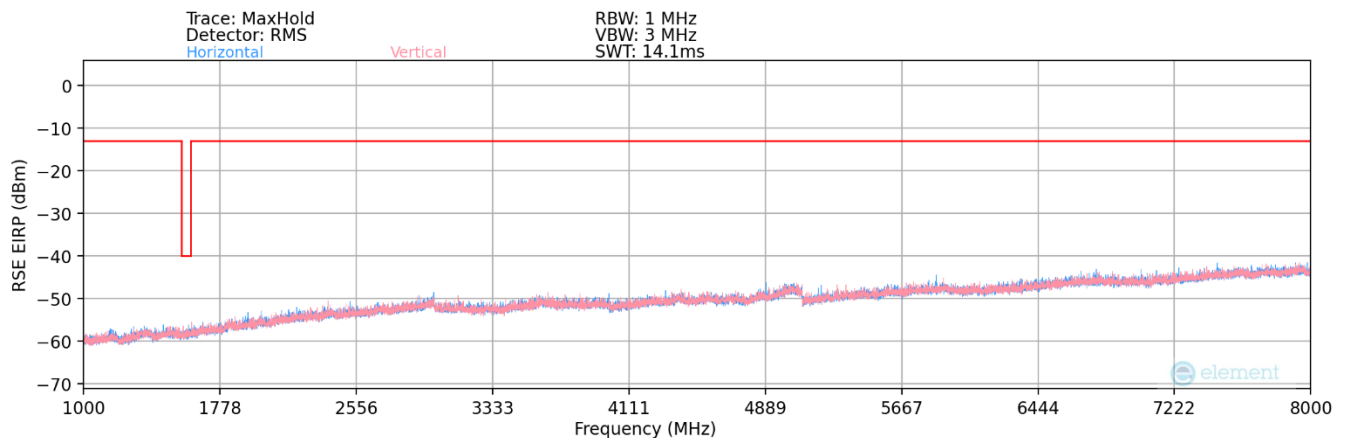
Table 7-46. Radiated Spurious Data (LTE Band 12/17 – High Channel) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 193 of 221

LTE Band 13 – Ant1



Plot 7-241. Radiated Spurious Plot (LTE Band 13) – Ant1



Plot 7-242. Radiated Spurious Plot (LTE Band 13) – Ant1

Mode:	Stand Alone
Channel:	23230
Frequency (MHz):	782

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]
137.00	V	-	-	-70.66	-16.82	19.52	-77.89	-13.00	-64.89
350.00	V	-	-	-74.68	-9.16	23.16	-74.24	-13.00	-61.24
500.00	V	-	-	-76.02	-6.58	24.40	-73.01	-13.00	-60.01

Table 7-47. Radiated Spurious Data (LTE Band 13) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset		Page 194 of 221

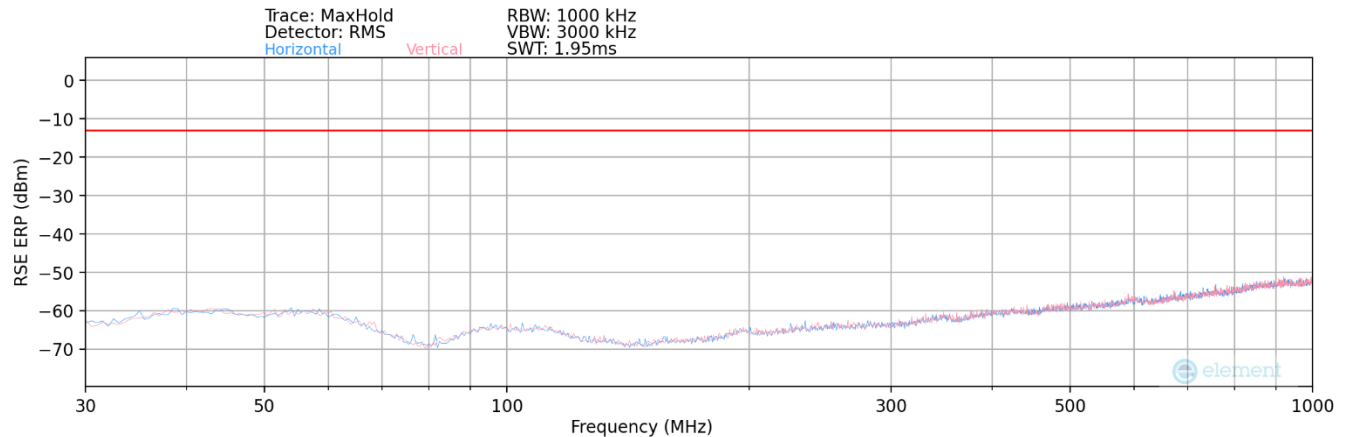
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

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	-	-	-77.50	-0.86	28.64	-66.62	-40.00	-26.62
2346.00	V	-	-	-78.65	3.37	31.72	-63.54	-13.00	-50.54
3128.00	V	-	-	-79.04	6.17	34.13	-61.13	-13.00	-48.13

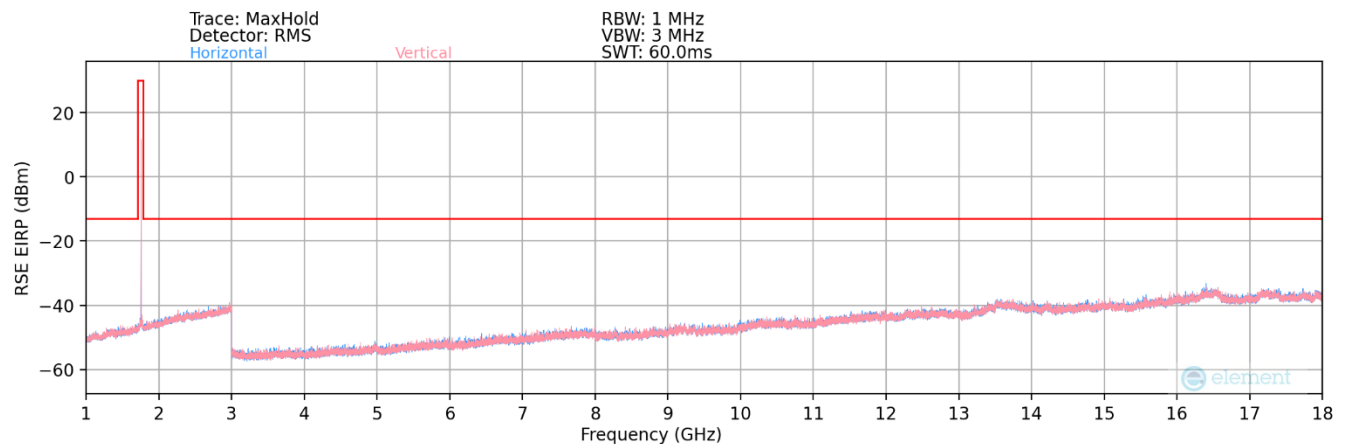
Table 7-48. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 195 of 221

LTE Band 66/4 – Ant1



Plot 7-243. Radiated Spurious Plot (LTE Band 66/4) – Ant1



Plot 7-244. Radiated Spurious Plot (LTE Band 66/4) – Ant1

Mode:	Stand Alone
Channel:	132422
Frequency (MHz):	1745

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]
76.50	V	-	-	-70.40	-18.02	18.58	-78.83	-13.00	-65.83
237.00	V	-	-	-74.51	-12.35	20.14	-77.26	-13.00	-64.26
600.00	V	-	-	-77.58	-4.29	25.13	-72.28	-13.00	-59.28

Table 7-49. Radiated Spurious Data (LTE Band 66/4) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset		Page 196 of 221

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	V	-	-	-79.43	7.19	34.76	-60.50	-13.00	-47.50
5160.00	V	-	-	-81.00	10.61	36.61	-58.64	-13.00	-45.64
6880.00	V	-	-	-81.61	13.84	39.23	-56.02	-13.00	-43.02

Table 7-50. 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]
490.00	V	-	-	-79.25	7.15	34.90	-60.36	-13.00	-47.36
235.00	V	-	-	-80.87	10.18	36.31	-58.95	-13.00	-45.95
980.00	V	-	-	-81.93	13.95	39.02	-56.24	-13.00	-43.24

Table 7-51. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant1

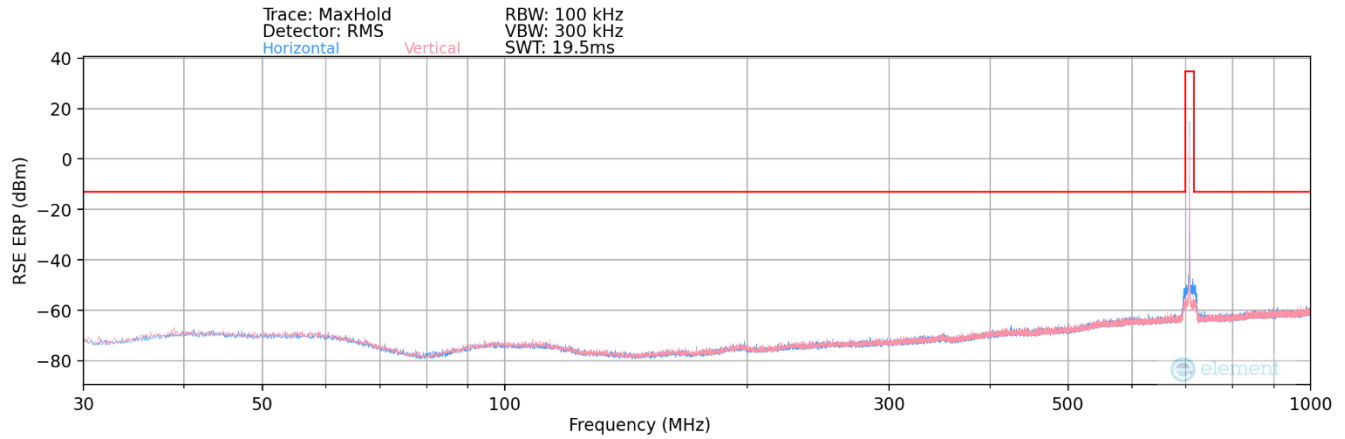
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

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]
10.00	V	-	-	-79.65	7.29	34.64	-60.62	-13.00	-47.62
0.00	V	-	-	-81.20	10.59	36.39	-58.87	-13.00	-45.87
10.00	V	-	-	-81.89	14.14	39.25	-56.01	-13.00	-43.01

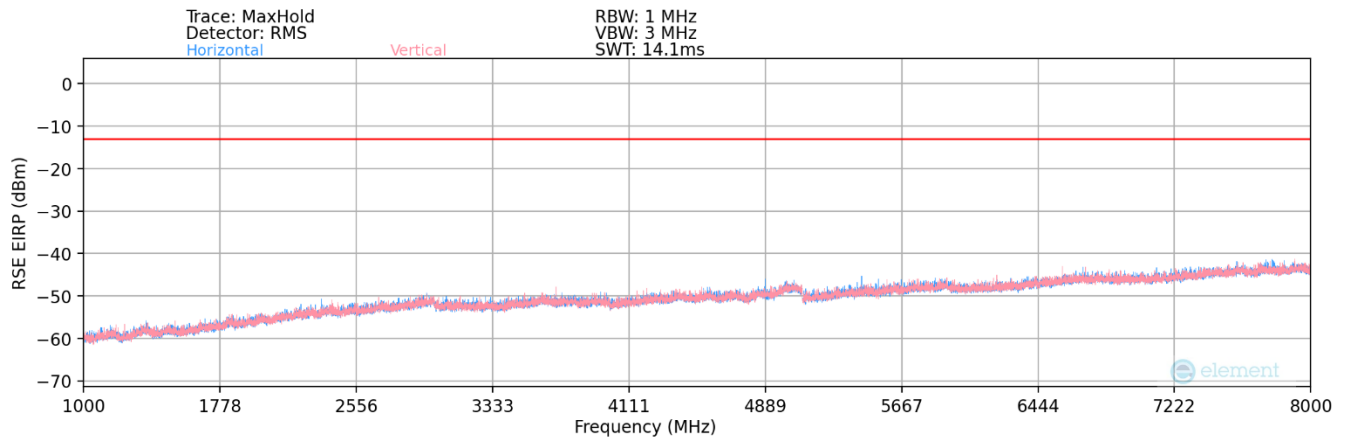
Table 7-52. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 197 of 221

NR Band n12 – Ant1



Plot 7-245. Radiated Spurious Plot (NR Band n12) – Ant1



Plot 7-246. Radiated Spurious Plot (NR Band n12) – Ant1

Mode:	Stand Alone
Channel:	141500
Frequency (MHz):	707.5

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]
325.00	H	-	-	-84.39	-10.24	12.37	-85.03	-13.00	-72.03

Table 7-53. Radiated Spurious Data (NR Band n12) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset			Page 198 of 221	

Bandwidth (MHz):	15
Frequency (MHz):	706.5
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]
1413.00	V	-	-	-77.41	-1.59	28.00	-67.26	-13.00	-54.26
2119.50	V	-	-	-78.52	2.84	31.32	-63.94	-13.00	-50.94
2826.00	V	-	-	-79.13	5.22	33.09	-62.17	-13.00	-49.17

Table 7-54. Radiated Spurious Data (NR Band n12 – Low Channel) – Ant1

Bandwidth (MHz):	15
Frequency (MHz):	707.5
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]
1415.00	V	-	-	-77.33	-1.55	28.12	-67.14	-13.00	-54.14
2122.50	V	-	-	-78.35	2.82	31.47	-63.79	-13.00	-50.79
2830.00	V	-	-	-78.99	5.27	33.28	-61.98	-13.00	-48.98

Table 7-55. Radiated Spurious Data (NR Band n12 – Mid Channel) – Ant1

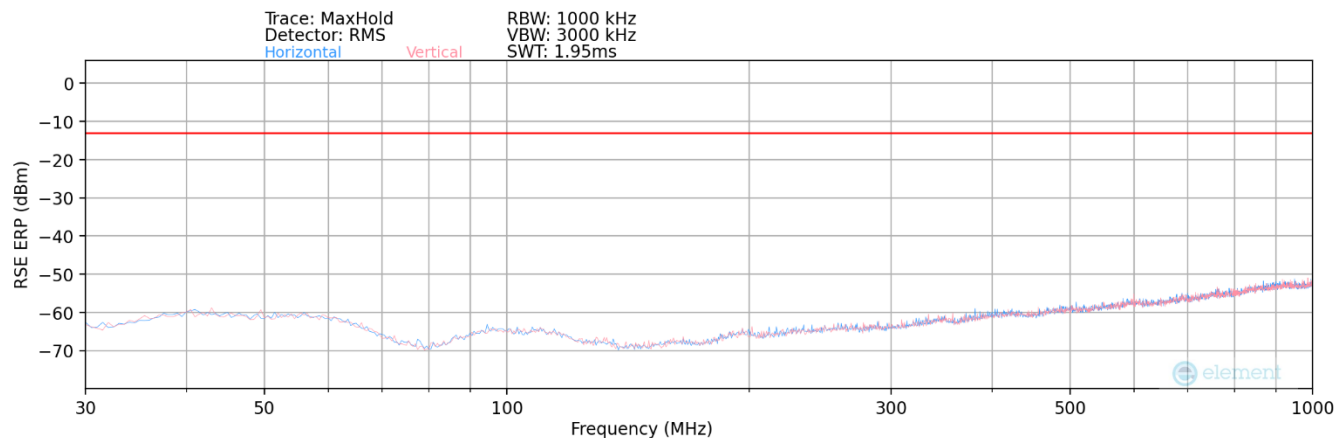
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39

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]
1417.00	V	-	-	-77.48	-1.50	28.02	-67.24	-13.00	-54.24
2125.50	V	-	-	-78.45	2.80	31.35	-63.91	-13.00	-50.91
2834.00	V	-	-	-78.66	5.30	33.64	-61.62	-13.00	-48.62

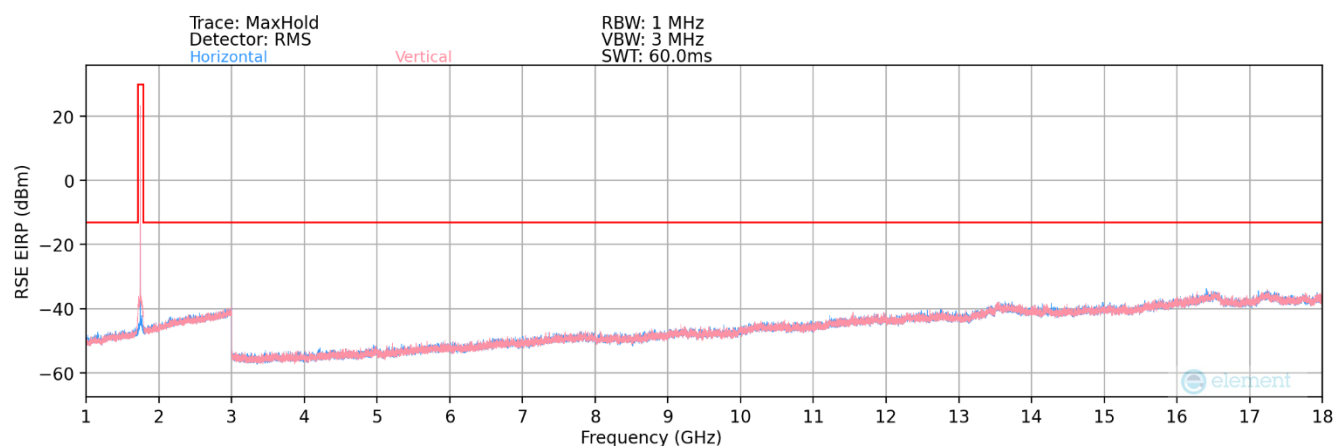
Table 7-56. Radiated Spurious Data (NR Band n12 – High Channel) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 199 of 221

NR Band n66 – Ant1



Plot 7-247. Radiated Spurious Plot (NR Band n66) – Ant1



Plot 7-248. Radiated Spurious Plot (NR Band n66) – Ant1

Mode:	Stand Alone
Channel:	349000
Frequency (MHz):	1745

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]
380.00	H	-	-	-84.83	-8.84	13.33	-84.07	-13.00	-71.07

Table 7-57. Radiated Spurious Data (NR Band n66) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset			Page 200 of 221	

Bandwidth (MHz):	40
Frequency (MHz):	1730
RB / Offset:	1 / 121

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]
460.00	V	-	-	-79.35	7.03	34.68	-60.58	-13.00	-47.58
190.00	V	-	-	-80.95	10.33	36.38	-58.88	-13.00	-45.88
320.00	V	-	-	-82.05	13.65	38.60	-56.65	-13.00	-43.65

Table 7-58. Radiated Spurious Data (NR Band n66 – Low Channel) – Ant1

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 121

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	-	-	-79.17	7.15	34.98	-60.28	-13.00	-47.28
5235.00	V	-	-	-81.02	10.18	36.16	-59.10	-13.00	-46.10
6980.00	V	-	-	-81.99	13.95	38.96	-56.30	-13.00	-43.30

Table 7-59. Radiated Spurious Data (NR Band n66 – Mid Channel) – Ant1

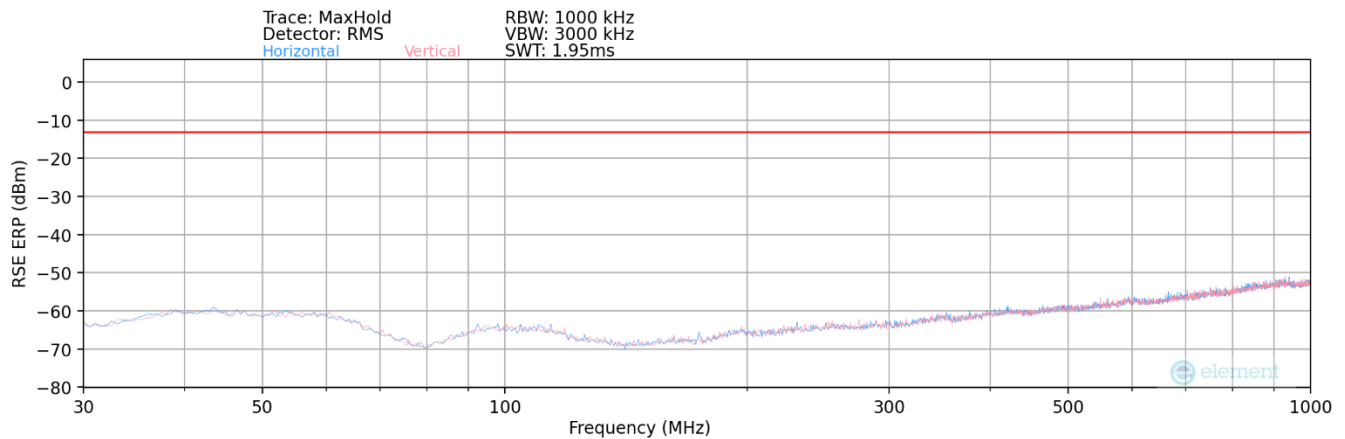
Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 121

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	-	-	-79.86	7.14	34.28	-60.97	-13.00	-47.97
5280.00	V	-	-	-81.10	10.27	36.17	-59.09	-13.00	-46.09
7040.00	V	-	-	-82.38	15.14	39.76	-55.50	-13.00	-42.50

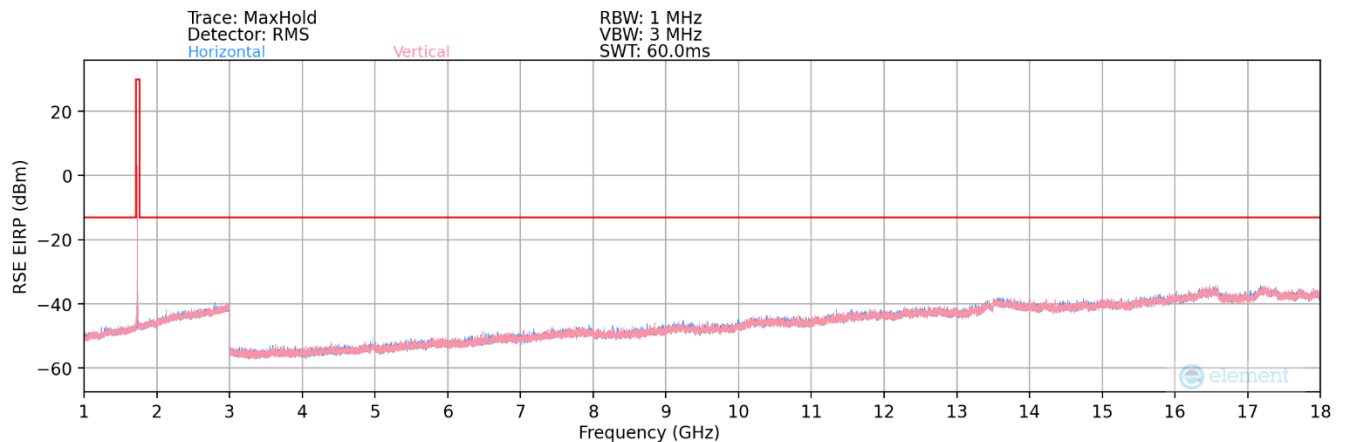
Table 7-60. Radiated Spurious Data (NR Band n66 – High Channel) – Ant1

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 201 of 221

WCDMA AWS – Ant2



Plot 7-249. Radiated Spurious Plot (WCDMA AWS) – Ant2



Plot 7-250. Radiated Spurious Plot (WCDMA AWS) – 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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
325.00	H	-	-	-84.21	-15.89	6.90	-90.51	-13.00	-77.51

Table 7-61. Radiated Spurious Data (WCDMA AWS) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset		Page 202 of 221

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	-	-	-79.72	7.03	34.31	-60.95	-13.00	-47.95
5137.20	H	-	-	-81.37	10.60	36.23	-59.03	-13.00	-46.03
6849.60	H	-	-	-82.15	14.12	38.97	-56.29	-13.00	-43.29

7-62. 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	H	-	-	-79.22	7.02	34.80	-60.46	-13.00	-47.46
5197.80	H	-	-	-80.88	10.25	36.37	-58.89	-13.00	-45.89
6930.40	H	-	-	-81.82	13.67	38.85	-56.41	-13.00	-43.41

Table 7-63. Radiated Spurious Data (WCDMA AWS – Mid Channel) – Ant2

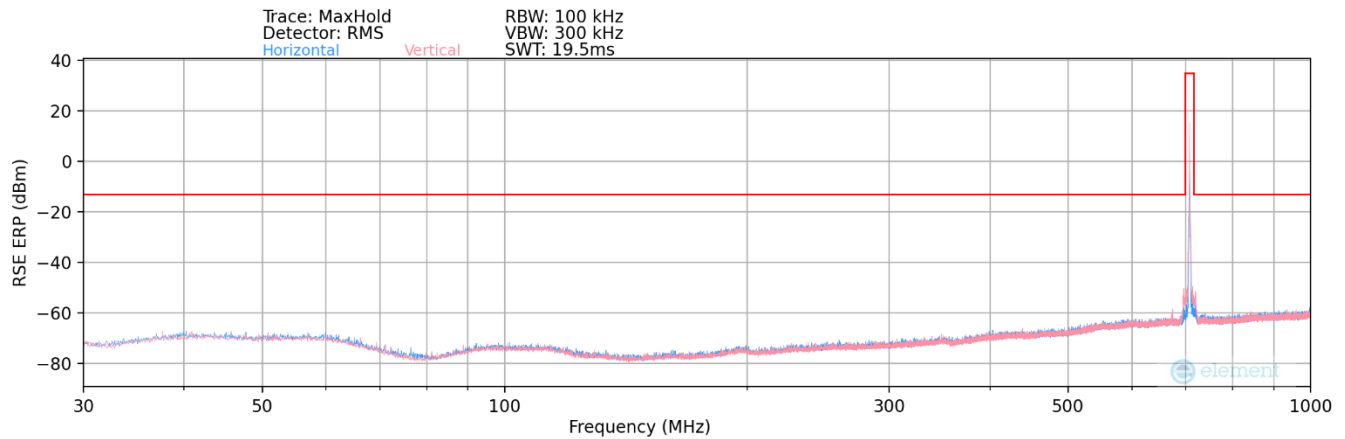
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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	H	-	-	-79.75	7.16	34.41	-60.85	-13.00	-47.85
5257.80	H	-	-	-80.99	10.26	36.27	-58.99	-13.00	-45.99
7010.40	H	-	-	-82.17	14.37	39.20	-56.06	-13.00	-43.06

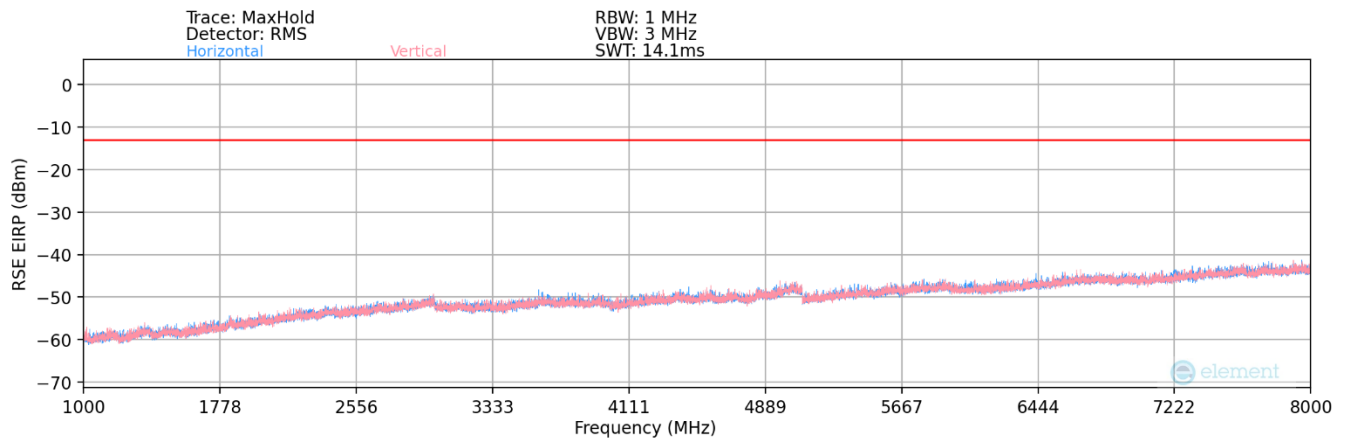
Table 7-64. Radiated Spurious Data (WCDMA AWS – High Channel) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 203 of 221

LTE Band 12/17 – Ant2



Plot 7-251. Radiated Spurious Plot (LTE Band 12/17) – Ant2



Plot 7-252. Radiated Spurious Plot (LTE Band 12/17) – Ant2

Mode:	Stand Alone
Channel:	23095
Frequency (MHz):	707.5

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]
37.00	H	-	-	-64.51	-13.50	28.99	-68.41	-13.00	-55.41
76.00	H	-	-	-67.30	-17.88	21.82	-75.58	-13.00	-62.58
707.00	H	-	-	-72.50	-13.40	21.10	-76.31	-13.00	-63.31

Table 7-65. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset		Page 204 of 221

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]
408.00	H	-	-	-79.47	-1.56	25.97	-69.29	-13.00	-56.29
112.00	H	-	-	-78.32	2.81	31.49	-63.76	-13.00	-50.76
816.00	H	-	-	-80.58	5.10	31.52	-63.74	-13.00	-50.74

Table 7-66. 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]
415.00	H	-	-	-79.72	-1.55	25.73	-69.53	-13.00	-56.53
122.50	H	-	-	-78.43	2.82	31.39	-63.87	-13.00	-50.87
830.00	H	-	-	-80.59	5.27	31.68	-63.58	-13.00	-50.58

Table 7-67. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant2

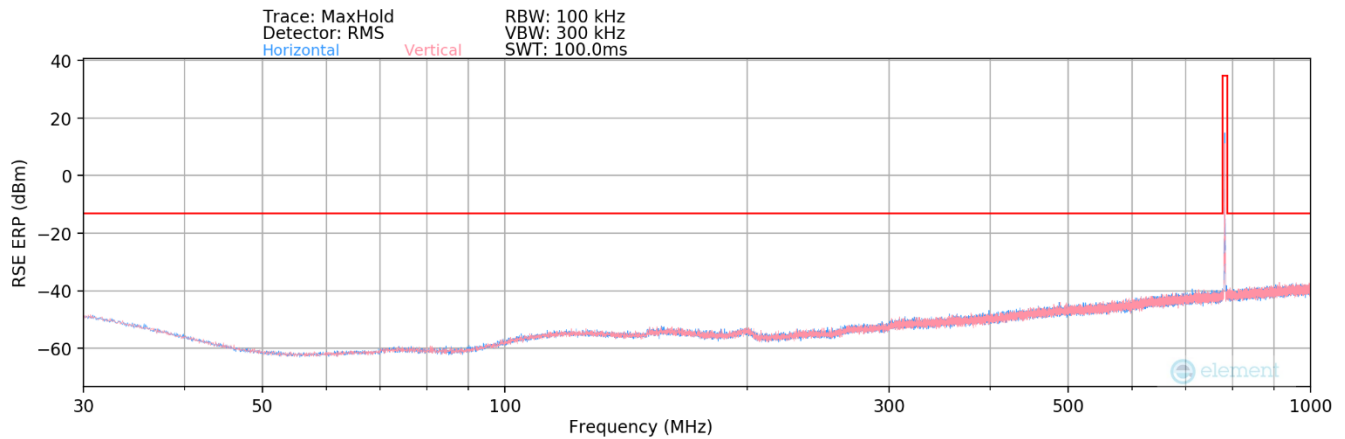
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

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]
422.00	H	-	-	-79.85	-1.38	25.77	-69.48	-13.00	-56.48
133.00	H	-	-	-78.77	2.74	30.97	-64.28	-13.00	-51.28
844.00	H	-	-	-79.89	5.09	32.20	-63.05	-13.00	-50.05

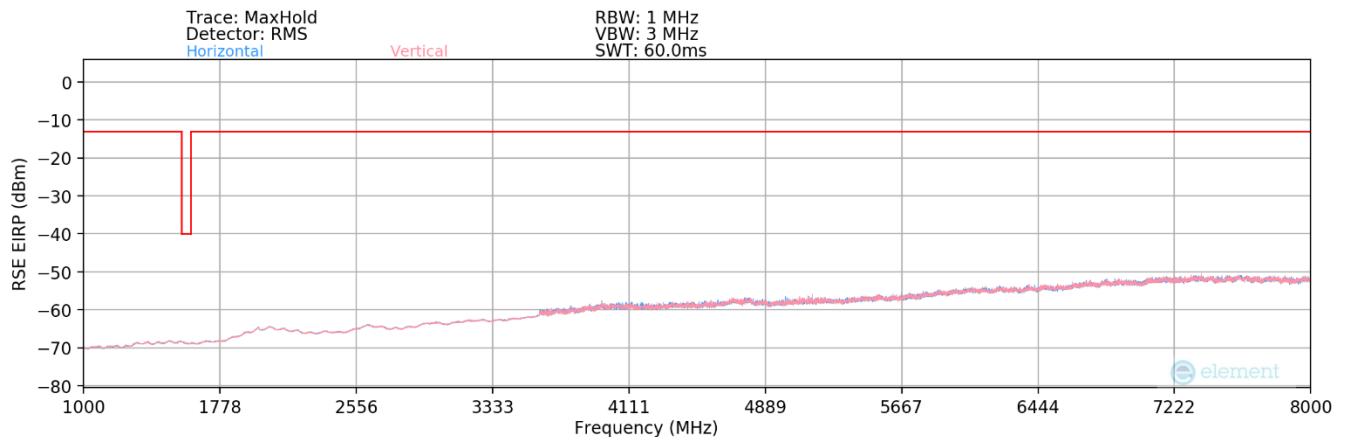
Table 7-68. Radiated Spurious Data (LTE Band 12/17 – High Channel) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant2



Plot 7-253. Radiated Spurious Plot (LTE Band 13) – Ant2



Plot 7-254. Radiated Spurious Plot (LTE Band 13) – Ant2

Mode:	Stand Alone
Channel:	23230
Frequency (MHz):	782

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]
155.00	V	-	-	-85.58	19.84	41.26	-56.14	-13.00	-43.14
200.00	V	-	-	-85.48	20.10	41.62	-55.78	-13.00	-42.78
485.00	V	-	-	-85.32	25.73	47.41	-50.00	-13.00	-37.00

Table 7-69. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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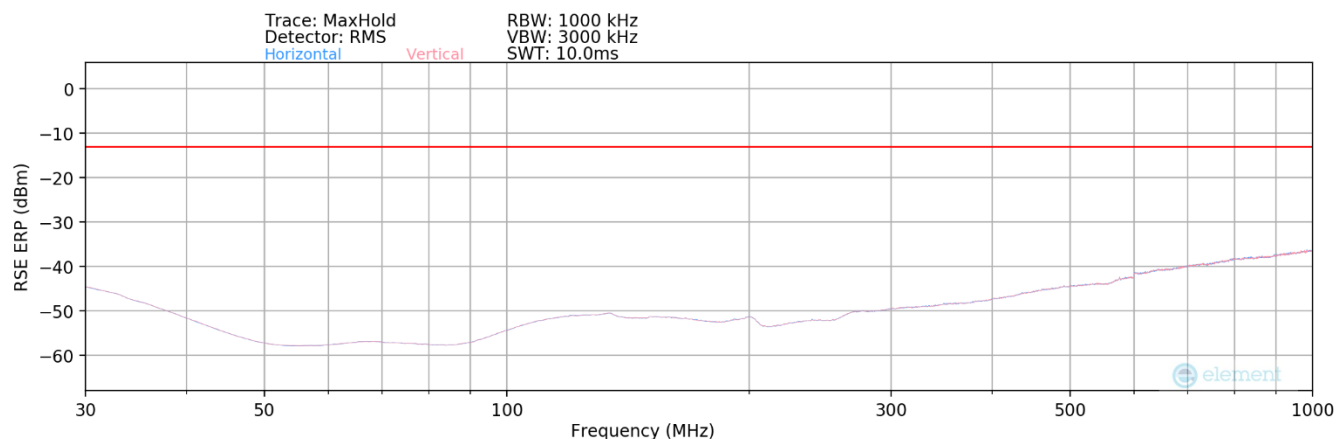
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

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	-	-	-76.48	-6.81	23.71	-71.55	-40.00	-31.55
2346.00	V	-	-	-77.41	-4.05	25.54	-69.72	-13.00	-56.72
3128.00	V	-	-	-77.46	-1.75	27.79	-67.47	-13.00	-54.47

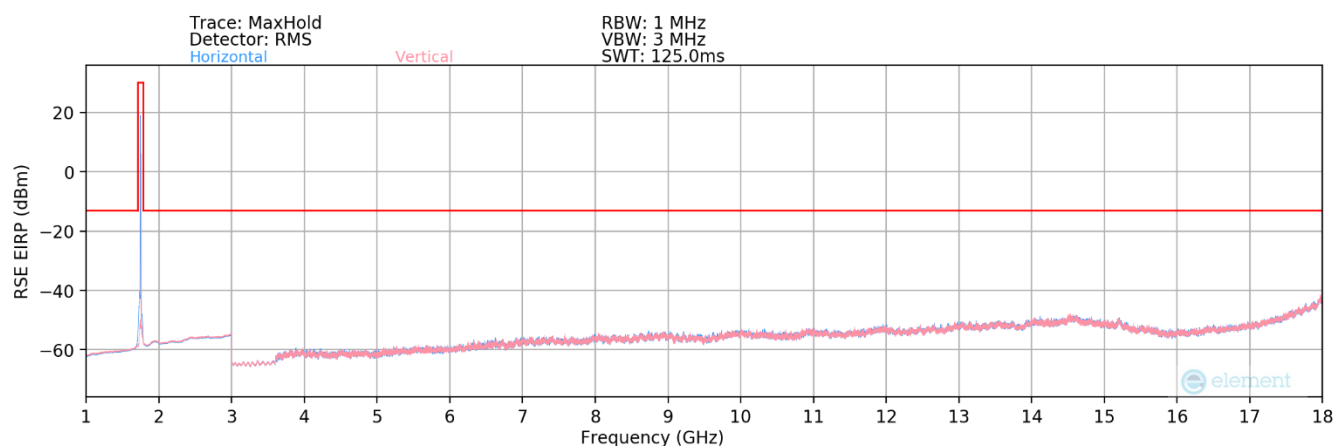
Table 7-70. Radiated Spurious Data (LTE Band 13) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – Ant2



Plot 7-255. Radiated Spurious Plot (LTE Band 66/4) – Ant2



Plot 7-256. Radiated Spurious Plot (LTE Band 66/4) – Ant2

Mode:	Stand Alone
Channel:	132322
Frequency (MHz):	1745

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]
5.53	H	-	-	-88.85	16.51	34.66	-62.75	-13.00	-49.75
1.86	H	-	-	-88.87	17.74	35.87	-61.54	-13.00	-48.54
1.52	H	-	-	-88.99	19.68	37.69	-59.71	-13.00	-46.71

Table 7-71. Radiated Spurious Data (LTE Band 66/4) – Ant2

FCC ID: A3LSMS947B	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]
440.00	H	-	-	-74.05	-2.23	30.72	-64.54	-13.00	-51.54
160.00	H	-	-	-74.89	-0.23	31.88	-63.38	-13.00	-50.38
880.00	H	-	-	-75.76	3.44	34.68	-60.58	-13.00	-47.58

Table 7-72. 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	-	-	-73.95	-2.77	30.28	-64.98	-13.00	-51.98
5235.00	H	-	-	-74.97	-0.09	31.94	-63.32	-13.00	-50.32
6980.00	H	-	-	-75.92	4.26	35.34	-59.92	-13.00	-46.92

Table 7-73. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant2

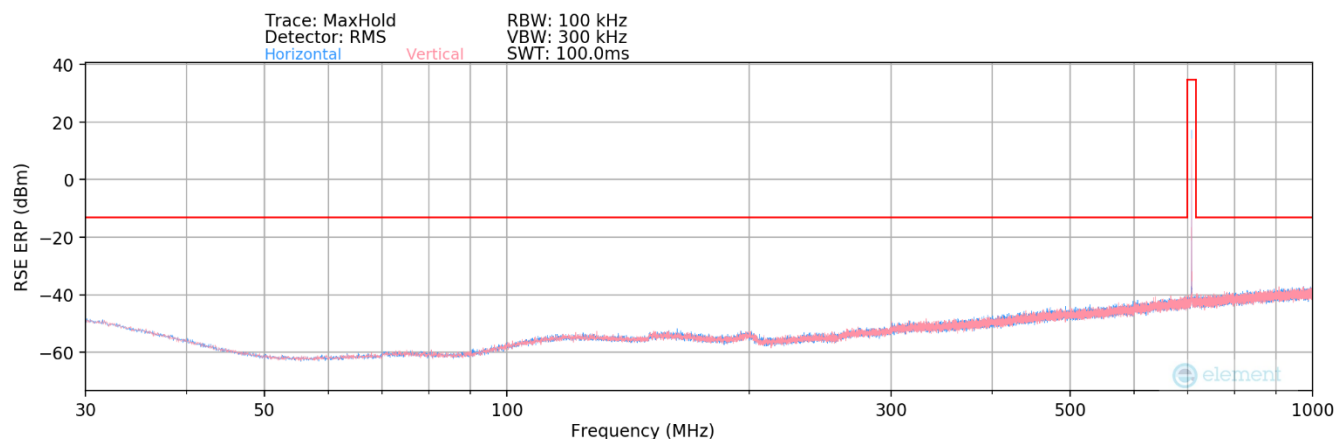
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

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]
340.00	H	-	-	-74.65	-2.21	30.14	-65.12	-13.00	-52.12
310.00	H	-	-	-75.30	-0.03	31.67	-63.59	-13.00	-50.59
380.00	H	-	-	-75.48	3.93	35.45	-59.80	-13.00	-46.80

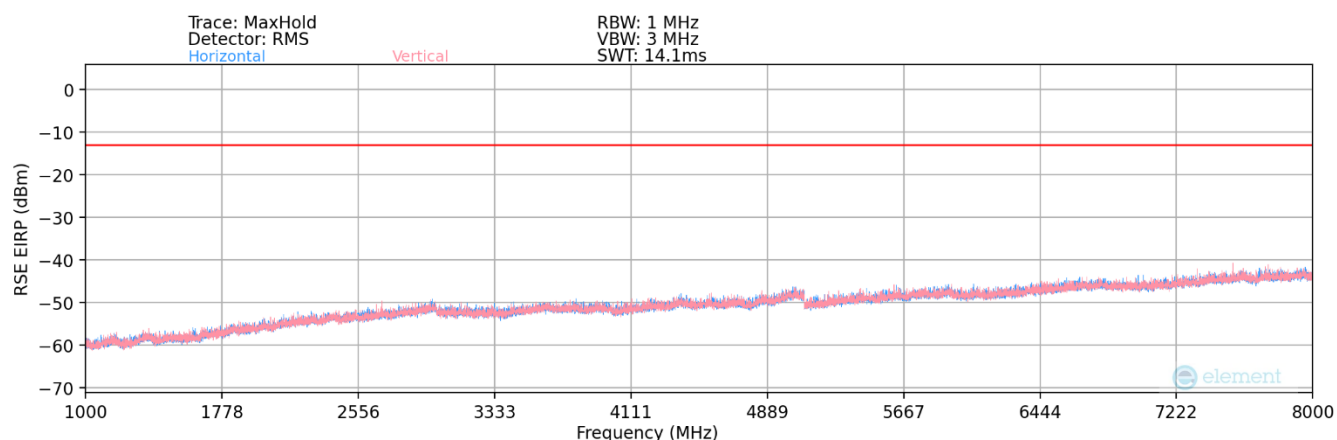
Table 7-74. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n12 – Ant2



Plot 7-257. Radiated Spurious Plot (NR Band n12) – Ant2



Plot 7-258. Radiated Spurious Plot (NR Band n12) – Ant2

Mode:	Stand Alone
Channel:	141500
Frequency (MHz):	707.5

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]
175.00	H	-	-	-109.54	18.91	16.37	-81.03	-13.00	-68.03

Table 7-75. Radiated Spurious Data (NR Band n12) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset			Page 210 of 221	

Bandwidth (MHz):	15
Frequency (MHz):	706.5
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]
1413.00	V	-	-	-77.48	-1.59	27.93	-67.33	-13.00	-54.33
2119.50	V	-	-	-78.59	2.84	31.25	-64.01	-13.00	-51.01
2826.00	V	-	-	-79.06	5.22	33.16	-62.10	-13.00	-49.10

Table 7-76. Radiated Spurious Data (NR Band n12 – Low Channel) – Ant2

Bandwidth (MHz):	15
Frequency (MHz):	707.5
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]
1415.00	V	-	-	-77.11	-1.55	28.34	-66.92	-13.00	-53.92
2122.50	V	-	-	-78.25	2.82	31.57	-63.69	-13.00	-50.69
2830.00	V	-	-	-79.12	5.27	33.15	-62.11	-13.00	-49.11

Table 7-77. Radiated Spurious Data (NR Band n12 – Mid Channel) – Ant2

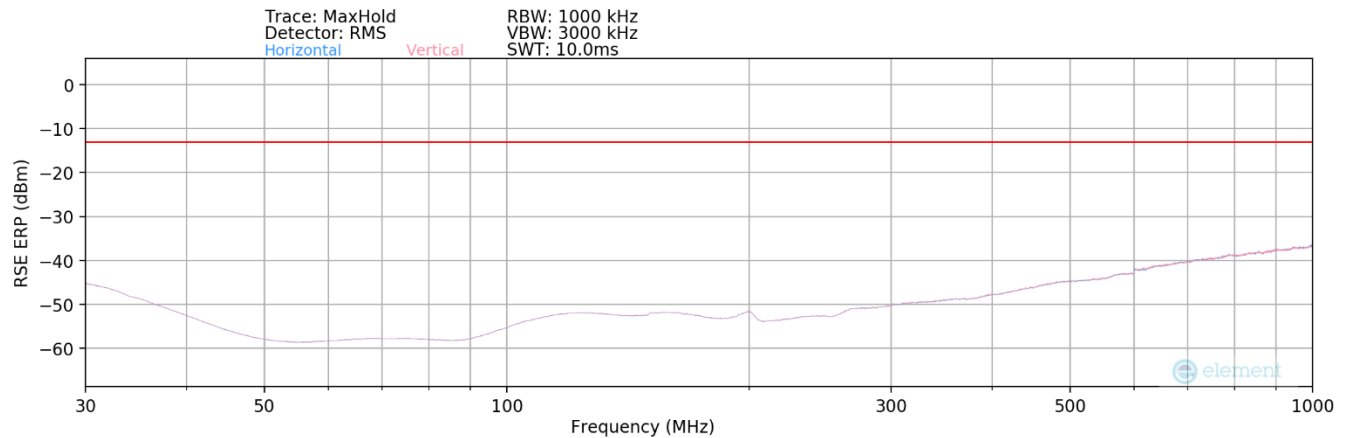
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39

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]
7.00	V	-	-	-77.19	-1.50	28.31	-66.95	-13.00	-53.95
5.50	V	-	-	-78.56	2.80	31.24	-64.02	-13.00	-51.02
4.00	V	-	-	-78.75	5.30	33.55	-61.71	-13.00	-48.71

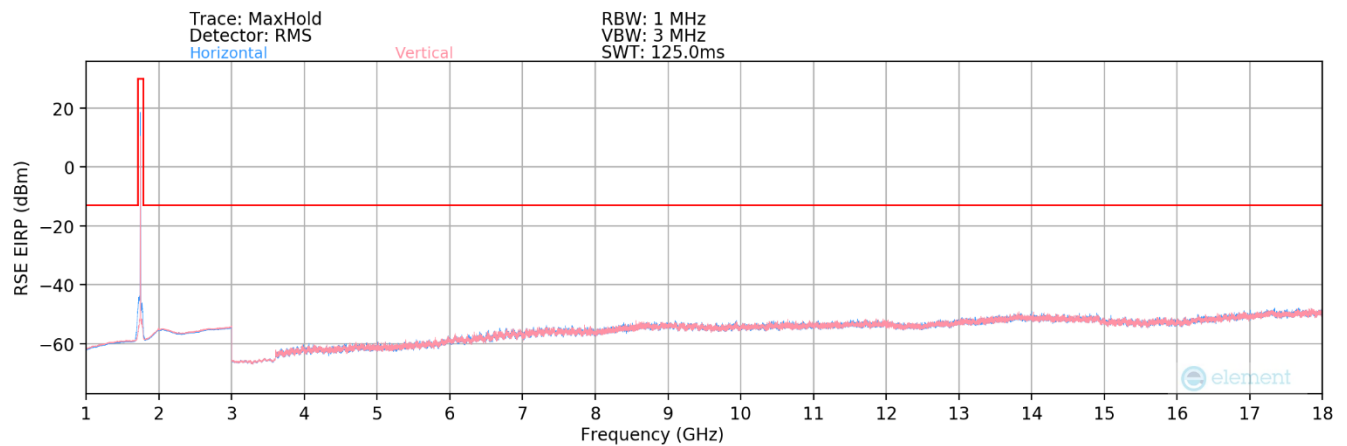
Table 7-78. Radiated Spurious Data (NR Band n12 – High Channel) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – Ant2



Plot 7-259. Radiated Spurious Plot (NR Band n66) – Ant2



Plot 7-260. Radiated Spurious Plot (NR Band n66) – Ant2

Mode:	Stand Alone
Channel:	349000
Frequency (MHz):	1745

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]
785.00	H	-	-	-108.18	29.99	28.81	-68.60	-13.00	-55.60

Table 7-79. Radiated Spurious Data (NR Band n66) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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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	V	-	-	-77.55	0.17	29.62	-65.64	-13.00	-52.64
5190.00	V	-	-	-79.07	3.38	31.31	-63.95	-13.00	-50.95
6920.00	V	-	-	-79.96	8.47	35.51	-59.75	-13.00	-46.75

Table 7-80. 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	V	-	-	-77.59	0.06	29.47	-65.79	-13.00	-52.79
5235.00	V	-	-	-78.99	3.37	31.38	-63.88	-13.00	-50.88
6980.00	V	-	-	-78.78	7.96	36.18	-59.08	-13.00	-46.08

Table 7-81. 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]
0.00	V	-	-	-77.35	-0.06	29.59	-65.67	-13.00	-52.67
0.00	V	-	-	-78.58	3.28	31.70	-63.56	-13.00	-50.56
0.00	V	-	-	-78.77	8.10	36.33	-58.92	-13.00	-45.92

Table 7-82. Radiated Spurious Data (NR Band n66 – High Channel) – Ant2

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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7.9 Frequency Stability / Temperature Variation

Test Overview and Limit

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

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

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015 – Section 5.6

Test Settings

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

Test Setup

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

Test Notes

None

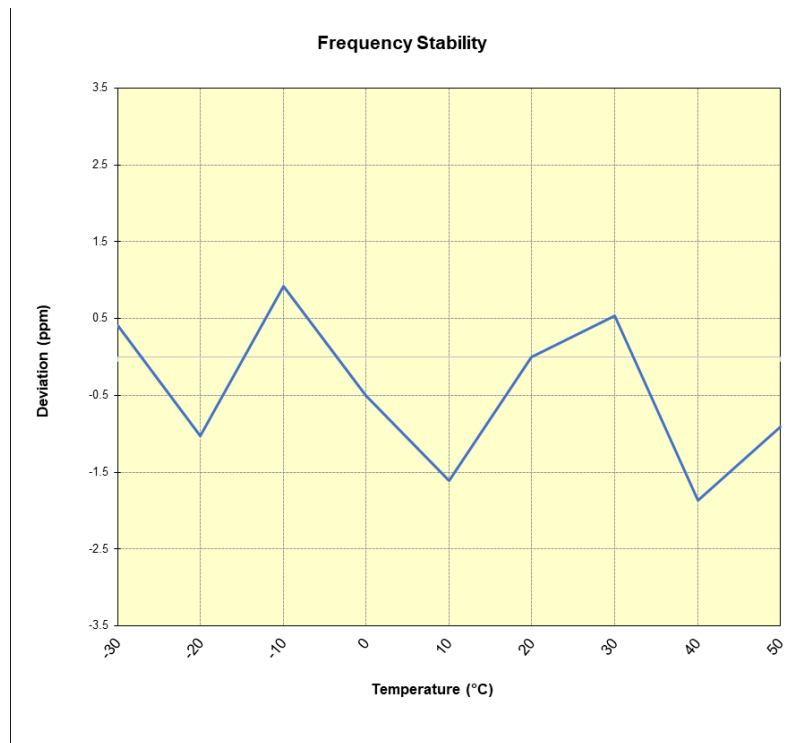
FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA AWS

Operating Frequency (Hz):	1,732,600,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	$\pm 0.00025\%$ or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	1,732,638,622	699	0.0000403
		- 20	1,732,636,139	-1,784	-0.0001030
		- 10	1,732,639,522	1,599	0.0000923
		0	1,732,637,060	-863	-0.0000498
		+ 10	1,732,635,125	-2,798	-0.0001615
		+ 20 (Ref)	1,732,637,923	0	0.0000000
		+ 30	1,732,638,843	920	0.0000531
		+ 40	1,732,634,694	-3,229	-0.0001864
		+ 50	1,732,636,349	-1,574	-0.0000908
Battery Endpoint	3.690	+ 20	1,732,636,234	-1,689	-0.0000975

Table 7-83. WCDMA AWS Frequency Stability Data



Plot 7-261. WCDMA AWS Frequency Stability Chart

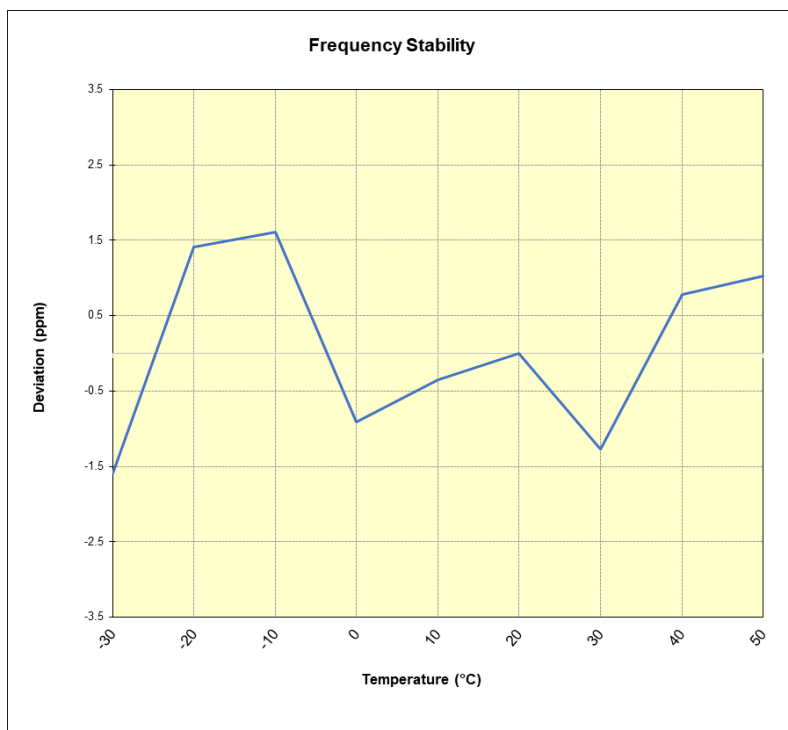
FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17

Operating Frequency (Hz):	707,500,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	707,590,818	-1,121	-0.0001584
		- 20	707,592,939	1,000	0.0001413
		- 10	707,593,074	1,135	0.0001604
		0	707,591,292	-647	-0.0000914
		+ 10	707,591,695	-244	-0.0000345
		+ 20 (Ref)	707,591,939	0	0.0000000
		+ 30	707,591,039	-900	-0.0001272
		+ 40	707,592,491	552	0.0000780
		+ 50	707,592,664	725	0.0001025
Battery Endpoint	3.690	+ 20	707,593,183	1,244	0.0001758

Table 7-84. LTE Band 12/17 Frequency Stability Data



Plot 7-262. LTE Band 12/17 Frequency Stability Chart

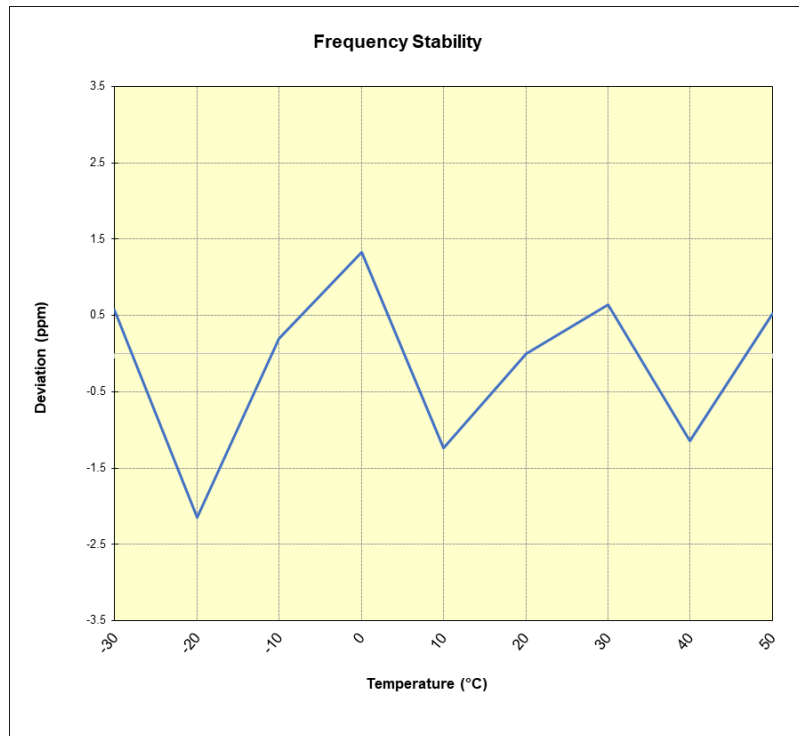
FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13

Operating Frequency (Hz):	782,000,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	782,077,171	444	0.0000568
		- 20	782,075,044	-1,683	-0.0002152
		- 10	782,076,880	153	0.0000196
		0	782,077,769	1,042	0.0001332
		+ 10	782,075,762	-965	-0.0001234
		+ 20 (Ref)	782,076,727	0	0.0000000
		+ 30	782,077,231	504	0.0000644
		+ 40	782,075,837	-890	-0.0001138
		+ 50	782,077,133	406	0.0000519
Battery Endpoint	3.690	+ 20	782,075,630	-1,097	-0.0001403

Table 7-85. LTE Band 13 Frequency Stability Data



Plot 7-263. LTE Band 13 Frequency Stability Chart

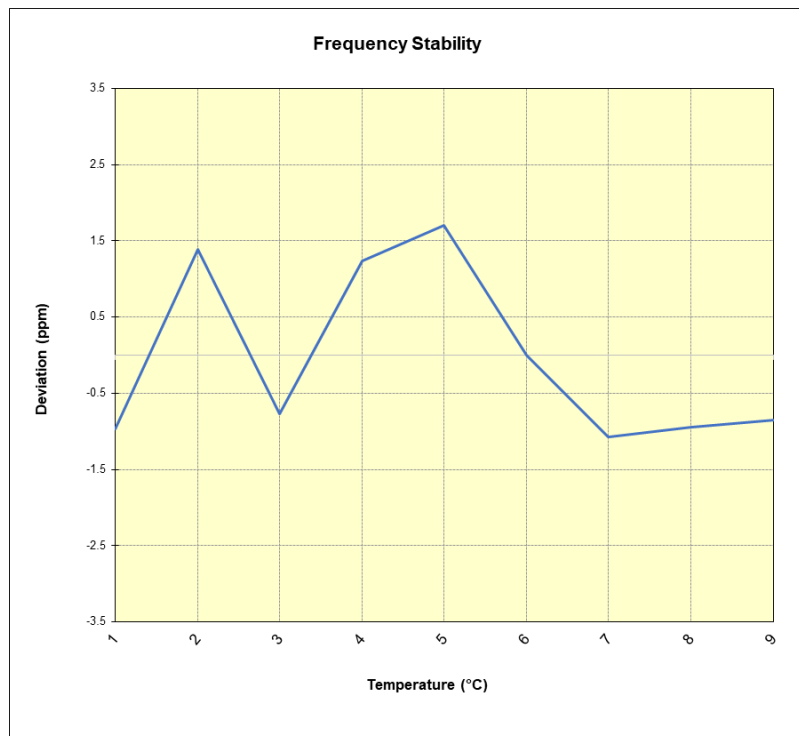
FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4

Operating Frequency (Hz):	1,745,000,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	1,745,037,957	-1,681	-0.0000963
		- 20	1,745,042,066	2,428	0.0001391
		- 10	1,745,038,292	-1,346	-0.0000771
		0	1,745,041,789	2,151	0.0001233
		+ 10	1,745,042,609	2,971	0.0001703
		+ 20 (Ref)	1,745,039,638	0	0.0000000
		+ 30	1,745,037,761	-1,877	-0.0001076
		+ 40	1,745,037,982	-1,656	-0.0000949
		+ 50	1,745,038,156	-1,482	-0.0000849
Battery Endpoint	3.690	+ 20	1,745,039,107	-531	-0.0000304

Table 7-86. LTE Band 66/4 Frequency Stability Data



Plot 7-264. LTE Band 66/4 Frequency Stability Chart

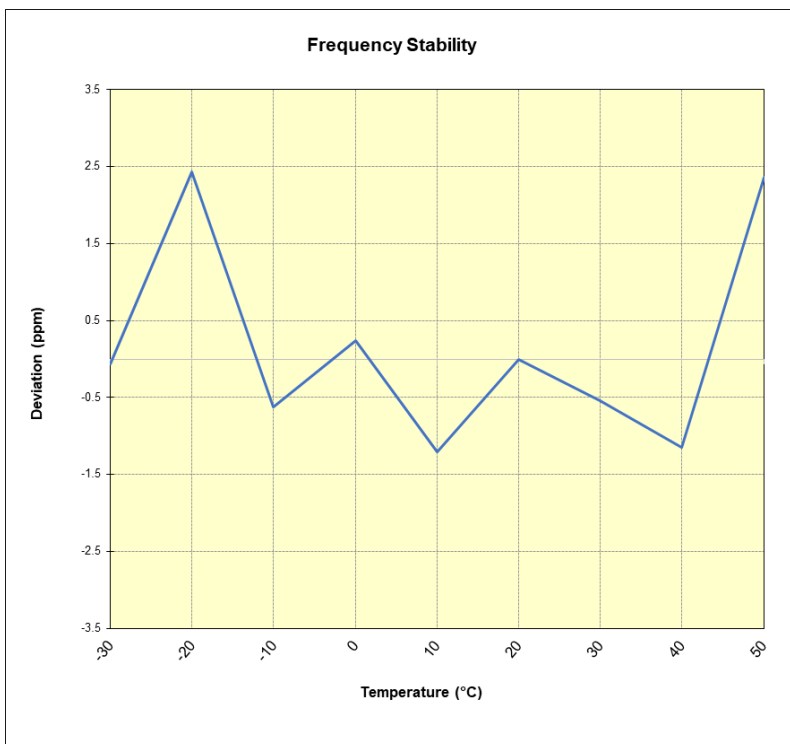
FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n12

Operating Frequency (Hz):	707,500,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	707,482,948	-42	-0.0000059
		- 20	707,484,713	1,723	0.0002435
		- 10	707,482,546	-444	-0.0000628
		0	707,483,156	166	0.0000235
		+ 10	707,482,138	-852	-0.0001204
		+ 20 (Ref)	707,482,990	0	0.0000000
		+ 30	707,482,605	-385	-0.0000544
		+ 40	707,482,174	-816	-0.0001153
		+ 50	707,484,661	1,671	0.0002362
Battery Endpoint	3.690	+ 20	707,484,117	1,127	0.0001593

Table 7-87. NR Band n12 Frequency Stability Data



Plot 7-265. NR Band n12 Frequency Stability Chart

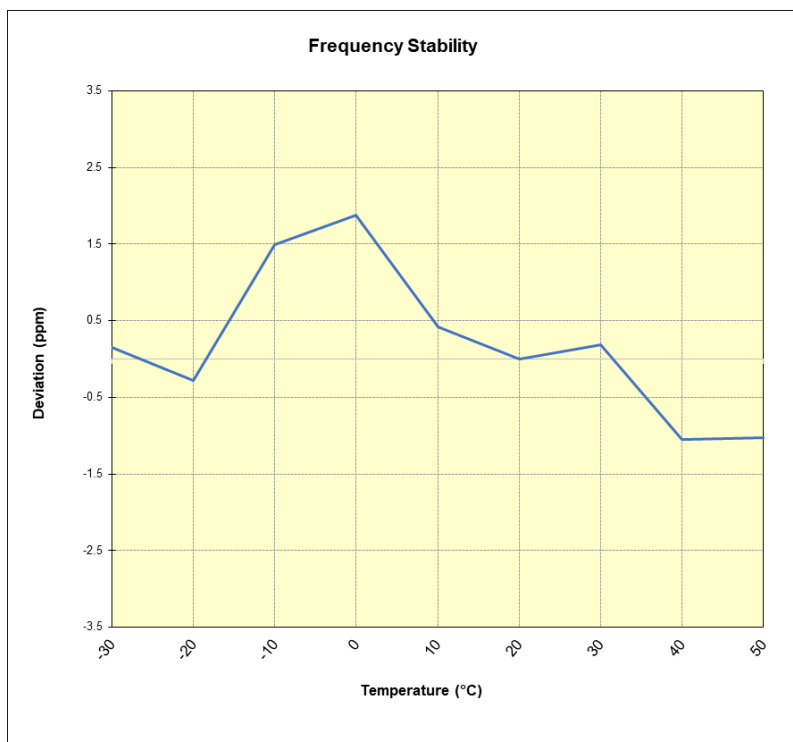
FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66

Operating Frequency (Hz):	1,745,000,000
Ref. Voltage (VDC):	4.400
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.400	- 30	1,744,985,319	270	0.0000155
		- 20	1,744,984,556	-493	-0.0000283
		- 10	1,744,987,662	2,613	0.0001497
		0	1,744,988,336	3,287	0.0001884
		+ 10	1,744,985,790	741	0.0000425
		+ 20 (Ref)	1,744,985,049	0	0.0000000
		+ 30	1,744,985,368	319	0.0000183
		+ 40	1,744,983,219	-1,830	-0.0001049
		+ 50	1,744,983,252	-1,797	-0.0001030
Battery Endpoint	3.690	+ 20	1,744,983,770	-1,279	-0.0000733

Table 7-88. NR Band n66 Frequency Stability Data



Plot 7-266. NR Band n66 Frequency Stability Chart

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMS947B** complies with all the requirements of Part 27 of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMS947B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508270083-07-R1.A3L	Test Dates: 11/17/2025 - 12/17/2025	EUT Type: Portable Handset	Page 221 of 221