



Plot 7-241. PAR Plot (NR Band n66 - 35.0MHz CP-OFDM 256-QAM - Full RB - ANT2)



Plot 7-242. PAR Plot (NR Band n66 - 30.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Plot 7-243. PAR Plot (NR Band n66 - 25.0MHz CP-OFDM 256-QAM - Full RB - ANT2)



Plot 7-244. PAR Plot (NR Band n66 - 20.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

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Plot 7-245. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB - ANT2)



Plot 7-246. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB - ANT2)

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7.7 Radiated Power (ERP/EIRP)

Test Overview

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

Test Procedures Used

ANSI C63.26-2015 – Section 5.2.4.4

Test Settings

1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation.
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto".
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation.
9. Trace mode = trace averaging (RMS) over 100 sweeps
10. The trace was allowed to stabilize

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Test Setup

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

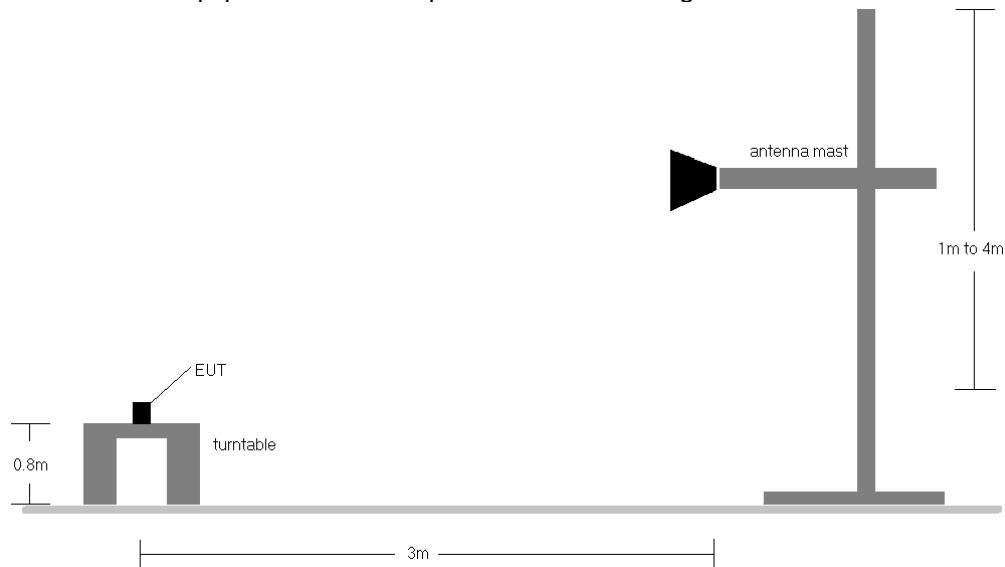


Figure 7-6. Radiated Test Setup <1GHz

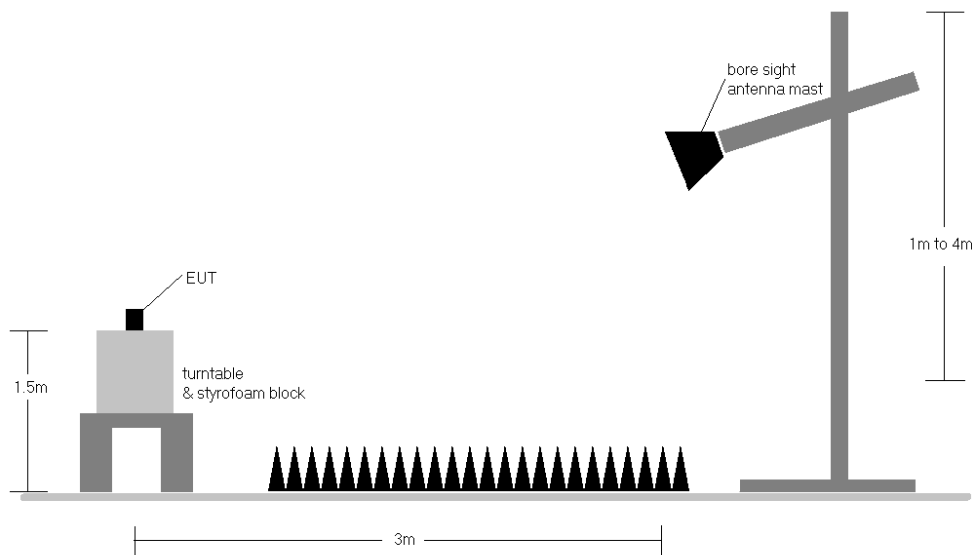


Figure 7-7. Radiated Test Setup >1GHz

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Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 3) This unit was tested with its standard battery.
- 4) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

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Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	H	136	151	19.41	2.89	22.30	0.170	30.00	-7.70
1732.60	WCDMA1700	H	129	147	19.45	2.86	22.31	0.170	30.00	-7.69
1752.60	WCDMA1700	H	126	142	19.07	2.83	21.90	0.155	30.00	-8.10
1732.60	WCDMA1700	V	102	332	17.38	2.92	20.30	0.107	30.00	-9.70
1732.60	WCDMA1700 (WCP)	H	219	144	18.55	2.86	21.41	0.138	30.00	-8.59

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	704.0	H	292	221	1.14	1 / 25	19.84	20.98	0.125	36.99	-16.01	18.83	0.076	34.77	-15.94
	QPSK	707.5	H	299	221	1.16	1 / 25	19.93	21.09	0.128	36.99	-15.90	18.94	0.078	34.77	-15.83
	QPSK	711.0	H	298	214	1.17	1 / 25	20.06	21.23	0.133	36.99	-15.76	19.08	0.081	34.77	-15.69
	16-QAM	704.0	H	292	221	1.14	1 / 25	19.07	20.21	0.105	36.99	-16.78	18.06	0.064	34.77	-16.71
	16-QAM	707.5	H	299	221	1.16	1 / 25	19.44	20.60	0.115	36.99	-16.39	18.45	0.070	34.77	-16.32
	16-QAM	711.0	H	298	214	1.17	1 / 25	19.20	20.37	0.109	36.99	-16.62	18.22	0.066	34.77	-16.55
5 MHz	QPSK	701.5	H	292	221	1.14	1 / 12	19.97	21.11	0.129	36.99	-15.88	18.96	0.079	34.77	-15.81
	QPSK	707.5	H	299	221	1.16	1 / 12	19.93	21.08	0.128	36.99	-15.91	18.93	0.078	34.77	-15.84
	QPSK	713.5	H	298	214	1.17	1 / 24	20.31	21.48	0.141	36.99	-15.51	19.33	0.086	34.77	-15.44
	16-QAM	701.5	H	292	221	1.14	1 / 12	19.28	20.42	0.110	36.99	-16.57	18.27	0.067	34.77	-16.50
	16-QAM	707.5	H	299	221	1.16	1 / 12	19.23	20.38	0.109	36.99	-16.61	18.23	0.067	34.77	-16.54
	16-QAM	713.5	H	298	214	1.17	1 / 24	19.19	20.37	0.109	36.99	-16.62	18.22	0.066	34.77	-16.55
3 MHz	QPSK	700.5	H	292	221	1.14	1 / 0	19.88	21.02	0.126	36.99	-15.97	18.87	0.077	34.77	-15.90
	QPSK	707.5	H	299	221	1.16	1 / 0	19.79	20.95	0.124	36.99	-16.04	18.80	0.076	34.77	-15.98
	QPSK	714.5	H	298	214	1.17	1 / 7	20.29	21.46	0.140	36.99	-15.53	19.31	0.085	34.77	-15.46
	16-QAM	700.5	H	292	221	1.14	1 / 0	19.33	20.47	0.111	36.99	-16.52	18.32	0.068	34.77	-16.45
	16-QAM	707.5	H	299	221	1.16	1 / 0	19.23	20.39	0.109	36.99	-16.60	18.24	0.067	34.77	-16.53
	16-QAM	714.5	H	298	214	1.17	1 / 7	19.18	20.36	0.109	36.99	-16.63	18.21	0.066	34.77	-16.57
1.4 MHz	QPSK	699.7	H	292	221	1.14	1 / 3	19.91	21.05	0.127	36.99	-15.94	18.90	0.078	34.77	-15.87
	QPSK	707.5	H	299	221	1.16	1 / 3	19.69	20.84	0.121	36.99	-16.15	18.69	0.074	34.77	-16.08
	QPSK	715.3	H	298	214	1.17	1 / 3	20.18	21.35	0.136	36.99	-15.64	19.20	0.083	34.77	-15.57
	16-QAM	699.7	H	292	221	1.14	1 / 3	19.00	20.14	0.103	36.99	-16.85	17.99	0.063	34.77	-16.78
	16-QAM	707.5	H	299	221	1.16	1 / 3	19.24	20.40	0.110	36.99	-16.59	18.25	0.067	34.77	-16.52
	16-QAM	715.3	H	298	214	1.17	1 / 3	19.19	20.36	0.109	36.99	-16.63	18.21	0.066	34.77	-16.56
10 MHz	Opposite Pol.	711.0	V	292	185	1.17	1 / 0	17.20	18.37	0.069	36.99	-18.62	16.22	0.042	34.77	-18.55
	WCP	711.0	H	299	217	1.17	1 / 0	19.18	20.35	0.109	36.99	-16.64	18.20	0.066	34.77	-16.57

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	782.0	H	258	223	1.09	1 / 25	18.92	20.01	0.100	36.99	-16.98	17.86	0.061	34.77	-16.92
	16-QAM	782.0	H	258	223	1.09	1 / 25	17.34	18.43	0.070	36.99	-18.56	16.28	0.042	34.77	-18.50
5 MHz	QPSK	779.5	H	258	223	1.09	1 / 12	18.97	20.06	0.101	36.99	-16.93	17.91	0.062	34.77	-16.86
	QPSK	782.0	H	258	223	1.09	1 / 12	18.80	19.89	0.097	36.99	-17.10	17.74	0.059	34.77	-17.03
	QPSK	784.5	H	258	223	1.09	1 / 12	18.60	19.68	0.093	36.99	-17.31	17.53	0.057	34.77	-17.24
	16-QAM	779.5	H	258	223	1.09	1 / 12	17.38	18.46	0.070	36.99	-18.53	16.31	0.043	34.77	-18.46
	16-QAM	782.0	H	258	223	1.09	1 / 12	17.35	18.43	0.070	36.99	-18.56	16.28	0.042	34.77	-18.49
	16-QAM	784.5	H	258	223	1.09	1 / 12	17.36	18.45	0.070	36.99	-18.54	16.30	0.043	34.77	-18.47
10 MHz	Opposite Pol.	782.0	V	134	14	0.89	1 / 0	18.22	19.11	0.081	36.99	-17.88	16.96	0.050	34.77	-17.81

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

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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
35 MHz	$\pi/2$ BPSK	680.5	H	140	327	0.81	1 / 53	19.30	20.11	0.103	36.99	-16.88	17.96	0.063	34.77	-16.81
	QPSK	680.5	H	140	327	0.81	1 / 53	19.29	20.10	0.102	36.99	-16.89	17.95	0.062	34.77	-16.82
	16-QAM	680.5	H	140	327	0.81	1 / 53	18.38	19.19	0.083	36.99	-17.80	17.04	0.051	34.77	-17.73
	$\pi/2$ BPSK	678.0	H	140	327	0.69	1 / 1	19.49	20.18	0.104	36.99	-16.81	18.03	0.064	34.77	-16.74
30 MHz	$\pi/2$ BPSK	680.5	H	140	327	0.81	1 / 1	19.30	20.11	0.103	36.99	-16.88	17.96	0.063	34.77	-16.81
	$\pi/2$ BPSK	683.0	H	140	327	0.93	1 / 1	19.09	20.02	0.100	36.99	-16.97	17.87	0.061	34.77	-16.90
	QPSK	678.0	H	140	327	0.69	1 / 1	19.41	20.10	0.102	36.99	-16.89	17.95	0.062	34.77	-16.83
	QPSK	680.5	H	140	327	0.81	1 / 1	19.25	20.06	0.101	36.99	-16.93	17.91	0.062	34.77	-16.87
25 MHz	QPSK	683.0	H	140	327	0.93	1 / 1	19.11	20.04	0.101	36.99	-16.95	17.89	0.061	34.77	-16.89
	16-QAM	678.0	H	140	327	0.69	1 / 1	18.55	19.24	0.084	36.99	-17.75	17.09	0.051	34.77	-17.68
	16-QAM	680.5	H	140	327	0.81	1 / 1	18.51	19.32	0.086	36.99	-17.67	17.17	0.052	34.77	-17.60
	16-QAM	683.0	H	140	327	0.93	1 / 1	18.27	19.20	0.083	36.99	-17.79	17.05	0.051	34.77	-17.72
20 MHz	$\pi/2$ BPSK	675.5	H	140	327	0.69	1 / 1	19.55	20.24	0.106	36.99	-16.75	18.09	0.064	34.77	-16.68
	$\pi/2$ BPSK	680.5	H	140	327	0.81	1 / 1	19.28	20.09	0.102	36.99	-16.90	17.94	0.062	34.77	-16.83
	$\pi/2$ BPSK	685.5	H	140	327	0.93	1 / 1	19.19	20.12	0.103	36.99	-16.87	17.97	0.063	34.77	-16.80
	QPSK	675.5	H	140	327	0.69	1 / 1	19.53	20.22	0.105	36.99	-16.77	18.07	0.064	34.77	-16.71
15 MHz	QPSK	680.5	H	140	327	0.81	1 / 1	19.31	20.12	0.103	36.99	-16.87	17.97	0.063	34.77	-16.81
	QPSK	685.5	H	140	327	0.93	1 / 1	19.12	20.05	0.101	36.99	-16.94	17.90	0.062	34.77	-16.88
	16-QAM	675.5	H	140	327	0.69	1 / 1	18.64	19.33	0.086	36.99	-17.66	17.18	0.052	34.77	-17.59
	16-QAM	680.5	H	140	327	0.81	1 / 1	18.41	19.22	0.084	36.99	-17.77	17.07	0.051	34.77	-17.70
10 MHz	16-QAM	685.5	H	140	327	0.93	1 / 1	18.38	19.31	0.085	36.99	-17.68	17.16	0.052	34.77	-17.61
	$\pi/2$ BPSK	673.0	H	140	327	0.69	1 / 1	19.34	20.03	0.101	36.99	-16.96	17.88	0.061	34.77	-16.89
	$\pi/2$ BPSK	680.5	H	140	327	0.81	1 / 1	19.23	20.04	0.101	36.99	-16.95	17.89	0.062	34.77	-16.88
	$\pi/2$ BPSK	688.0	H	140	327	0.93	1 / 1	18.97	19.90	0.098	36.99	-17.09	17.75	0.060	34.77	-17.02
5 MHz	QPSK	673.0	H	140	327	0.69	1 / 1	19.29	19.98	0.099	36.99	-17.01	17.83	0.061	34.77	-16.95
	QPSK	680.5	H	140	327	0.81	1 / 1	19.14	19.95	0.099	36.99	-17.04	17.80	0.060	34.77	-16.98
	QPSK	688.0	H	140	327	0.93	1 / 1	18.96	19.89	0.097	36.99	-17.10	17.74	0.059	34.77	-17.04
	16-QAM	673.0	H	140	327	0.69	1 / 1	18.45	19.14	0.082	36.99	-17.85	16.99	0.050	34.77	-17.78
35 MHz	16-QAM	680.5	H	140	327	0.81	1 / 1	18.37	19.18	0.083	36.99	-17.81	17.03	0.050	34.77	-17.74
	16-QAM	688.0	H	140	327	0.93	1 / 1	18.12	19.05	0.080	36.99	-17.94	16.90	0.049	34.77	-17.87
	$\pi/2$ BPSK	670.5	H	140	327	0.65	1 / 1	19.40	20.05	0.101	36.99	-16.94	17.90	0.062	34.77	-16.87
	$\pi/2$ BPSK	680.5	H	140	327	0.81	1 / 1	19.23	20.04	0.101	36.99	-16.95	17.89	0.062	34.77	-16.88
15 MHz	$\pi/2$ BPSK	690.5	H	140	327	0.97	1 / 1	18.78	19.75	0.094	36.99	-17.24	17.60	0.058	34.77	-17.17
	QPSK	670.5	H	140	327	0.65	1 / 1	19.35	20.00	0.100	36.99	-16.99	17.85	0.061	34.77	-16.93
	QPSK	680.5	H	140	327	0.81	1 / 1	19.10	19.91	0.098	36.99	-17.08	17.76	0.060	34.77	-17.02
	QPSK	690.5	H	140	327	0.97	1 / 1	18.80	19.77	0.095	36.99	-17.22	17.62	0.058	34.77	-17.16
10 MHz	16-QAM	670.5	H	140	327	0.65	1 / 1	18.51	19.16	0.082	36.99	-17.83	17.01	0.050	34.77	-17.76
	16-QAM	680.5	H	140	327	0.81	1 / 1	18.37	19.18	0.083	36.99	-17.81	17.03	0.050	34.77	-17.74
	16-QAM	690.5	H	140	327	0.97	1 / 1	17.99	18.96	0.079	36.99	-18.03	16.81	0.048	34.77	-17.96
	$\pi/2$ BPSK	668.0	H	140	327	0.61	1 / 1	19.63	20.24	0.106	36.99	-16.75	18.09	0.064	34.77	-16.68
5 MHz	$\pi/2$ BPSK	680.5	H	140	327	0.81	1 / 1	19.28	20.09	0.102	36.99	-16.90	17.94	0.062	34.77	-16.83
	$\pi/2$ BPSK	693.0	H	140	327	1.01	1 / 1	19.11	20.12	0.103	36.99	-16.87	17.97	0.063	34.77	-16.80
	QPSK	668.0	H	140	327	0.61	1 / 1	19.61	20.22	0.105	36.99	-16.77	18.07	0.064	34.77	-16.71
	QPSK	680.5	H	140	327	0.81	1 / 1	19.31	20.12	0.103	36.99	-16.87	17.97	0.063	34.77	-16.81
35 MHz	QPSK	693.0	H	140	327	1.01	1 / 1	19.04	20.05	0.101	36.99	-16.94	17.90	0.062	34.77	-16.88
	16-QAM	668.0	H	140	327	0.61	1 / 1	18.72	19.33	0.086	36.99	-17.66	17.18	0.052	34.77	-17.59
	16-QAM	680.5	H	140	327	0.81	1 / 1	18.41	19.22	0.084	36.99	-17.77	17.07	0.051	34.77	-17.70
	16-QAM	693.0	H	140	327	1.01	1 / 1	18.30	19.31	0.085	36.99	-17.68	17.16	0.052	34.77	-17.61
5 MHz	$\pi/2$ BPSK	665.5	H	140	327	0.57	1 / 12	19.58	20.15	0.103	36.99	-16.84	18.00	0.063	34.77	-16.77
	$\pi/2$ BPSK	680.5	H	140	327	0.81	1 / 12	19.10	19.91	0.098	36.99	-17.08	17.76	0.060	34.77	-17.01
	$\pi/2$ BPSK	695.5	H	140	327	1.05	1 / 23	18.60	19.65	0.092	36.99	-17.34	17.50	0.056	34.77	-17.27
	QPSK	665.5	H	140	327	0.57	1 / 12	19.57	20.14	0.103	36.99	-16.85	17.99	0.063	34.77	-16.79
35 MHz	QPSK	680.5	H	140	327	0.81	1 / 1	19.16	19.97	0.099	36.99	-17.02	17.82	0.060	34.77	-16.96
	QPSK	695.5	H	140	327	1.05	1 / 23	18.69	19.74	0.094	36.99	-17.25	17.59	0.057	34.77	-17.19
	16-QAM	665.5	H	140	327	0.57	1 / 1	18.72	19.29	0.085	36.99	-17.70	17.14	0.052	34.77	-17.63
	16-QAM	680.5	H	140	327	0.81	1 / 1	18.36	19.17	0.083	36.99	-17.82	17.02	0.050	34.77	-17.75
35 MHz	16-QAM	695.5	H	140	327	1.05	1 / 1	17.98	19.03	0.080	36.99	-17.96	16.88	0.049	34.77	-17.89
	QPSK (CP-OFDM)	680.5	H	127	326	0.81	1 / 53	17.30	18.11	0.065	36.99	-18.88	15.96	0.039	34.77	-18.81
	QPSK (Opposite Pol.)	680.5	V	162	290	0.71	1 / 53	18.83	19.54	0.090	36.99	-17.45	17.39	0.055	34.77	-17.38
	QPSK (WCP)	680.5	H	139	308	0.81	1 / 53	12.10	12.91	0.020	36.99	-24.08	10.76	0.012	34.77	-24.01

Table 7-30. ERP Data (NR Band n71) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 184 of 235

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	1720.0	H	132	47	2.88	1 / 50	20.76	23.64	0.231	30.00	-6.36
	QPSK	1745.0	H	122	51	2.84	1 / 50	21.43	24.27	0.268	30.00	-5.73
	QPSK	1770.0	H	127	49	2.79	1 / 50	21.86	24.65	0.292	30.00	-5.35
	16-QAM	1720.0	H	132	47	2.88	1 / 50	19.48	22.36	0.172	30.00	-7.64
	16-QAM	1745.0	H	122	51	2.84	1 / 50	20.15	22.99	0.199	30.00	-7.01
15 MHz	16-QAM	1770.0	H	127	49	2.79	1 / 50	20.58	23.37	0.217	30.00	-6.63
	QPSK	1717.5	H	132	47	2.88	1 / 74	20.91	23.79	0.239	30.00	-6.21
	QPSK	1745.0	H	122	51	2.84	1 / 0	21.73	24.58	0.287	30.00	-5.42
	QPSK	1772.5	H	127	49	2.79	1 / 74	21.78	24.57	0.286	30.00	-5.43
	16-QAM	1717.5	H	132	47	2.88	1 / 74	19.44	22.31	0.170	30.00	-7.69
10 MHz	16-QAM	1745.0	H	122	51	2.84	1 / 0	20.01	22.85	0.193	30.00	-7.15
	16-QAM	1772.5	H	127	49	2.79	1 / 74	20.70	23.49	0.223	30.00	-6.51
	QPSK	1715.0	H	132	47	2.88	1 / 25	20.77	23.65	0.232	30.00	-6.35
	QPSK	1745.0	H	122	51	2.84	1 / 25	21.56	24.40	0.276	30.00	-5.60
	QPSK	1775.0	H	127	49	2.79	1 / 49	21.68	24.47	0.280	30.00	-5.53
5 MHz	16-QAM	1715.0	H	132	47	2.88	1 / 25	19.35	22.23	0.167	30.00	-7.77
	16-QAM	1745.0	H	122	51	2.84	1 / 25	20.28	23.12	0.205	30.00	-6.88
	16-QAM	1775.0	H	127	49	2.79	1 / 49	20.51	23.29	0.214	30.00	-6.71
	QPSK	1712.5	H	132	47	2.88	1 / 12	20.75	23.63	0.230	30.00	-6.37
	QPSK	1745.0	H	122	51	2.84	1 / 24	21.57	24.41	0.276	30.00	-5.59
3 MHz	QPSK	1777.5	H	127	49	2.79	1 / 0	21.86	24.65	0.292	30.00	-5.35
	16-QAM	1712.5	H	132	47	2.88	1 / 12	19.62	22.50	0.178	30.00	-7.50
	16-QAM	1745.0	H	122	51	2.84	1 / 24	20.36	23.20	0.209	30.00	-6.80
	16-QAM	1777.5	H	127	49	2.79	1 / 0	20.78	23.57	0.228	30.00	-6.43
	QPSK	1711.5	H	132	47	2.88	1 / 14	20.90	23.78	0.239	30.00	-6.22
1.4 MHz	QPSK	1745.0	H	122	51	2.84	1 / 0	21.43	24.27	0.267	30.00	-5.73
	QPSK	1778.5	H	127	49	2.79	1 / 7	21.86	24.65	0.292	30.00	-5.35
	16-QAM	1711.5	H	132	47	2.88	1 / 14	19.69	22.57	0.181	30.00	-7.43
	16-QAM	1745.0	H	122	51	2.84	1 / 0	20.18	23.03	0.201	30.00	-6.97
	16-QAM	1778.5	H	127	49	2.79	1 / 7	20.78	23.57	0.228	30.00	-6.43
20 MHz	QPSK	1710.7	H	132	47	2.88	1 / 5	20.85	23.73	0.236	30.00	-6.27
	QPSK	1745.0	H	122	51	2.84	1 / 3	21.56	24.40	0.276	30.00	-5.60
	QPSK	1779.3	H	127	49	2.79	1 / 0	21.71	24.50	0.282	30.00	-5.50
	16-QAM	1710.7	H	132	47	2.88	1 / 5	19.50	22.38	0.173	30.00	-7.62
	16-QAM	1745.0	H	122	51	2.84	1 / 3	20.17	23.01	0.200	30.00	-6.99
20 MHz	16-QAM	1779.3	H	127	49	2.79	1 / 0	20.80	23.59	0.228	30.00	-6.41
	Opposite Pol.	1770.0	V	109	42	3.02	1 / 0	17.04	20.06	0.101	30.00	-9.94
20 MHz	WCP	1770.0	H	135	66	2.79	1 / 0	20.41	23.20	0.209	30.00	-6.80

Table 7-31. EIRP Data (LTE Band 66/4) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 185 of 235

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]
45 MHz	$\pi/2$ BPSK	1730.0	H	140	147	2.86	1 / 108	17.75	20.61	0.115	30.00	-9.39
	$\pi/2$ BPSK	1745.0	H	139	145	2.84	1 / 108	18.29	21.13	0.130	30.00	-8.87
	$\pi/2$ BPSK	1760.0	H	133	147	2.81	1 / 108	17.91	20.72	0.118	30.00	-9.28
	QPSK	1730.0	H	140	147	2.86	1 / 108	17.46	20.32	0.108	30.00	-9.68
	QPSK	1745.0	H	139	145	2.84	1 / 108	18.09	20.93	0.124	30.00	-9.07
	QPSK	1760.0	H	133	147	2.81	1 / 108	17.52	20.33	0.108	30.00	-9.67
	16-QAM	1730.0	H	140	147	2.86	1 / 108	16.30	19.16	0.082	30.00	-10.84
	16-QAM	1745.0	H	139	145	2.84	1 / 108	16.65	19.49	0.089	30.00	-10.51
	16-QAM	1760.0	H	133	147	2.81	1 / 108	16.26	19.07	0.081	30.00	-10.93
	$\pi/2$ BPSK	1730.0	H	140	147	2.86	1 / 214	17.49	20.35	0.109	30.00	-9.65
40 MHz	$\pi/2$ BPSK	1745.0	H	147	145	2.84	1 / 108	18.58	21.43	0.139	30.00	-8.57
	$\pi/2$ BPSK	1760.0	H	133	147	2.81	1 / 1	17.92	20.73	0.118	30.00	-9.27
	QPSK	1730.0	H	140	147	2.86	1 / 214	17.13	19.99	0.100	30.00	-10.01
	QPSK	1745.0	H	147	145	2.84	1 / 108	18.48	21.33	0.136	30.00	-8.67
	QPSK	1760.0	H	133	147	2.81	1 / 1	17.43	20.24	0.106	30.00	-9.76
	16-QAM	1730.0	H	140	147	2.86	1 / 1	15.47	18.33	0.068	30.00	-11.67
	16-QAM	1745.0	H	147	145	2.84	1 / 1	16.82	19.66	0.092	30.00	-10.34
	16-QAM	1760.0	H	133	147	2.81	1 / 1	16.27	19.08	0.081	30.00	-10.92
	$\pi/2$ BPSK	1727.5	H	140	147	2.87	1 / 1	17.64	20.51	0.113	30.00	-9.49
	$\pi/2$ BPSK	1745.0	H	139	145	2.84	1 / 1	18.34	21.19	0.131	30.00	-8.81
35 MHz	$\pi/2$ BPSK	1762.5	H	133	147	2.80	1 / 94	17.94	20.74	0.119	30.00	-9.26
	QPSK	1727.5	H	140	147	2.87	1 / 1	17.34	20.21	0.105	30.00	-9.79
	QPSK	1745.0	H	147	145	2.84	1 / 1	18.31	21.15	0.130	30.00	-8.85
	QPSK	1762.5	H	133	147	2.80	1 / 94	17.37	20.17	0.104	30.00	-9.83
	16-QAM	1727.5	H	140	147	2.87	1 / 1	16.31	19.18	0.083	30.00	-10.82
	16-QAM	1745.0	H	147	145	2.84	1 / 1	16.79	19.63	0.092	30.00	-10.37
	16-QAM	1762.5	H	133	147	2.80	1 / 94	16.04	18.84	0.077	30.00	-11.16
	$\pi/2$ BPSK	1725.0	H	140	147	2.87	1 / 158	17.61	20.48	0.112	30.00	-9.52
	$\pi/2$ BPSK	1745.0	H	147	145	2.84	1 / 80	18.59	21.44	0.139	30.00	-8.56
	$\pi/2$ BPSK	1765.0	H	133	147	2.80	1 / 1	18.10	20.90	0.123	30.00	-9.10
30 MHz	QPSK	1725.0	H	140	147	2.87	1 / 158	17.25	20.12	0.103	30.00	-9.88
	QPSK	1745.0	H	139	145	2.84	1 / 80	18.47	21.32	0.135	30.00	-8.68
	QPSK	1765.0	H	133	147	2.80	1 / 80	17.63	20.43	0.110	30.00	-9.57
	16-QAM	1725.0	H	140	147	2.87	1 / 1	15.77	18.64	0.073	30.00	-11.36
	16-QAM	1745.0	H	147	145	2.84	1 / 1	16.94	19.78	0.095	30.00	-10.22
	16-QAM	1765.0	H	133	147	2.80	1 / 1	16.31	19.11	0.081	30.00	-10.89
	$\pi/2$ BPSK	1722.5	H	140	147	2.87	1 / 131	17.22	20.09	0.102	30.00	-9.91
	$\pi/2$ BPSK	1745.0	H	147	145	2.84	1 / 66	18.67	21.52	0.142	30.00	-8.48
	$\pi/2$ BPSK	1767.5	H	133	147	2.80	1 / 66	18.15	20.94	0.124	30.00	-9.06
	QPSK	1722.5	H	140	147	2.87	1 / 131	17.04	19.91	0.098	30.00	-10.09
25 MHz	QPSK	1745.0	H	139	145	2.84	1 / 66	18.48	21.33	0.136	30.00	-8.67
	QPSK	1767.5	H	133	147	2.80	1 / 1	17.62	20.42	0.110	30.00	-9.58
	16-QAM	1722.5	H	140	147	2.87	1 / 1	15.38	18.25	0.067	30.00	-11.75
	16-QAM	1745.0	H	147	145	2.84	1 / 1	17.10	19.94	0.099	30.00	-10.06
	16-QAM	1767.5	H	133	147	2.80	1 / 1	16.27	19.07	0.081	30.00	-10.93
	$\pi/2$ BPSK	1745.0	H	147	145	2.84	1 / 53	18.38	21.23	0.133	30.00	-8.77
	$\pi/2$ BPSK	1770.0	H	133	147	2.79	1 / 53	17.81	20.60	0.115	30.00	-9.40
	QPSK	1720.0	H	140	147	2.88	1 / 104	16.92	19.80	0.095	30.00	-10.20
	QPSK	1745.0	H	139	145	2.84	1 / 53	18.23	21.08	0.128	30.00	-8.92
	QPSK	1770.0	H	133	147	2.79	1 / 53	17.31	20.10	0.102	30.00	-9.90
20 MHz	16-QAM	1720.0	H	140	147	2.88	1 / 1	15.31	18.19	0.066	30.00	-11.81
	16-QAM	1745.0	H	147	145	2.84	1 / 1	16.76	19.60	0.091	30.00	-10.40
	16-QAM	1770.0	H	133	147	2.79	1 / 1	15.95	18.74	0.075	30.00	-11.26
	$\pi/2$ BPSK	1717.5	H	140	147	2.88	1 / 77	17.32	20.20	0.105	30.00	-9.80
	$\pi/2$ BPSK	1745.0	H	147	145	2.84	1 / 1	18.39	21.24	0.133	30.00	-8.76
	$\pi/2$ BPSK	1772.5	H	133	147	2.78	1 / 1	17.87	20.65	0.116	30.00	-9.35
	QPSK	1717.5	H	140	147	2.88	1 / 77	16.97	19.85	0.097	30.00	-10.15
	QPSK	1745.0	H	139	145	2.84	1 / 1	18.36	21.21	0.132	30.00	-8.79
	QPSK	1772.5	H	133	147	2.78	1 / 1	17.38	20.16	0.104	30.00	-9.84
	16-QAM	1717.5	H	140	147	2.88	1 / 1	15.20	18.08	0.064	30.00	-11.92
15 MHz	16-QAM	1745.0	H	147	145	2.84	1 / 1	17.12	19.96	0.099	30.00	-10.04
	16-QAM	1772.5	H	133	147	2.78	1 / 1	16.12	18.90	0.078	30.00	-11.10
	$\pi/2$ BPSK	1715.0	H	140	147	2.88	1 / 26	17.27	20.15	0.104	30.00	-9.85
	$\pi/2$ BPSK	1745.0	H	147	145	2.84	1 / 1	18.32	21.17	0.131	30.00	-8.83
	$\pi/2$ BPSK	1775.0	H	133	147	2.78	1 / 1	17.86	20.64	0.116	30.00	-9.36
	QPSK	1715.0	H	140	147	2.88	1 / 1	16.85	19.73	0.094	30.00	-10.27
	QPSK	1745.0	H	139	145	2.84	1 / 1	18.23	21.08	0.128	30.00	-8.92
	QPSK	1775.0	H	133	147	2.78	1 / 1	17.44	20.22	0.105	30.00	-9.78
	16-QAM	1715.0	H	140	147	2.88	1 / 1	15.75	18.63	0.073	30.00	-11.37
	16-QAM	1745.0	H	147	145	2.84	1 / 1	16.92	19.76	0.095	30.00	-10.24
10 MHz	16-QAM	1775.0	H	133	147	2.78	1 / 1	16.02	18.80	0.076	30.00	-11.20
	$\pi/2$ BPSK	1712.5	H	140	147	2.89	1 / 23	17.14	20.02	0.101	30.00	-9.98
	$\pi/2$ BPSK	1745.0	H	147	145	2.84	1 / 12	18.33	21.18	0.131	30.00	-8.82
	$\pi/2$ BPSK	1777.5	H	133	147	2.77	1 / 1	17.81	20.58	0.114	30.00	-9.42
	QPSK	1712.5	H	140	147	2.89	1 / 1	16.84	19.73	0.094	30.00	-10.27
	QPSK	1745.0	H	139	145	2.84	1 / 1	18.25	21.10	0.129	30.00	-8.90
	QPSK	1777.5	H	133	147	2.77	1 / 1	17.24	20.01	0.100	30.00	-9.99
	16-QAM	1712.5	H	140	147	2.89	1 / 1	15.68	18.57	0.072	30.00	-11.43
	16-QAM	1745.0	H	147	145	2.84	1 / 1	16.89	19.73	0.094	30.00	-10.27
	16-QAM	1777.5	H	133	147	2.77	1 / 1	16.07	18.84	0.077	30.00	-11.16
45 MHz	QPSK (CP-OFDM)	1745.0	H	133	145	2.84	1 / 80	15.66	18.50	0.071	30.00	-11.50
	QPSK (Opposite Pol.)	1745.0	V	115	331	2.94	1 / 80	15.77	18.71	0.074	30.00	-11.29
	QPSK (WCP)	1745.0	H	179	139	2.84	1 / 80	18.51	21.35	0.137	30.00	-8.65

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

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 186 of 235

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	166	241	1.12	1 / 25	19.30	20.42	0.110	36.99	-16.57	18.27	0.067	34.77	-16.50
	QPSK	707.50	V	169	226	1.14	1 / 49	19.51	20.65	0.116	36.99	-16.33	18.50	0.071	34.77	-16.27
	QPSK	711.00	V	163	234	1.17	1 / 49	19.60	20.77	0.119	36.99	-16.22	18.62	0.073	34.77	-16.15
	16-QAM	704.00	V	166	241	1.12	1 / 25	18.52	19.64	0.092	36.99	-17.35	17.49	0.056	34.77	-17.28
	16-QAM	707.50	V	169	226	1.14	1 / 49	18.60	19.74	0.094	36.99	-17.24	17.59	0.057	34.77	-17.18
	16-QAM	711.00	V	163	234	1.17	1 / 49	19.04	20.21	0.105	36.99	-16.78	18.06	0.064	34.77	-16.71
5 MHz	QPSK	701.50	V	166	241	1.10	1 / 12	19.50	20.59	0.115	36.99	-16.40	18.44	0.070	34.77	-16.33
	QPSK	707.50	V	169	226	1.14	1 / 0	19.47	20.62	0.115	36.99	-16.37	18.47	0.070	34.77	-16.30
	QPSK	713.50	V	163	234	1.19	1 / 12	19.76	20.95	0.125	36.99	-16.04	18.80	0.076	34.77	-15.97
	16-QAM	701.50	V	166	241	1.10	1 / 12	18.77	19.87	0.097	36.99	-17.12	17.72	0.059	34.77	-17.05
	16-QAM	707.50	V	169	226	1.14	1 / 0	18.46	19.60	0.091	36.99	-17.39	17.45	0.056	34.77	-17.32
	16-QAM	713.50	V	163	234	1.19	1 / 12	19.14	20.33	0.108	36.99	-16.66	18.18	0.066	34.77	-16.59
3 MHz	QPSK	700.50	V	166	241	1.09	1 / 0	19.44	20.53	0.113	36.99	-16.46	18.38	0.069	34.77	-16.39
	QPSK	707.50	V	169	226	1.14	1 / 7	19.41	20.55	0.114	36.99	-16.44	18.40	0.069	34.77	-16.37
	QPSK	714.50	V	163	234	1.20	1 / 7	19.63	20.83	0.121	36.99	-16.16	18.68	0.074	34.77	-16.09
	16-QAM	700.50	V	166	241	1.09	1 / 0	18.65	19.74	0.094	36.99	-17.25	17.59	0.057	34.77	-17.18
	16-QAM	707.50	V	169	226	1.14	1 / 7	18.49	19.63	0.092	36.99	-17.36	17.48	0.056	34.77	-17.29
	16-QAM	714.50	V	163	234	1.20	1 / 7	19.29	20.49	0.112	36.99	-16.50	18.34	0.068	34.77	-16.43
1.4 MHz	QPSK	699.70	V	166	241	1.08	1 / 0	19.63	20.71	0.118	36.99	-16.28	18.56	0.072	34.77	-16.21
	QPSK	707.50	V	169	226	1.14	1 / 5	19.41	20.55	0.114	36.99	-16.44	18.40	0.069	34.77	-16.37
	QPSK	715.30	V	163	234	1.21	1 / 5	19.75	20.96	0.125	36.99	-16.03	18.81	0.076	34.77	-15.97
	16-QAM	699.70	V	166	241	1.08	1 / 0	18.68	19.76	0.095	36.99	-17.23	17.61	0.058	34.77	-17.16
	16-QAM	707.50	V	169	226	1.14	1 / 5	18.33	19.47	0.089	36.99	-17.52	17.32	0.054	34.77	-17.45
	16-QAM	715.30	V	163	234	1.21	1 / 5	19.07	20.28	0.107	36.99	-16.71	18.13	0.065	34.77	-16.65
10 MHz	Opposite Pol.	711.00	H	284	308	1.17	1 / 25	18.75	19.92	0.098	36.99	-17.07	17.77	0.060	34.77	-17.00
	WCP	711.00	H	146	318	1.17	1 / 0	16.60	17.77	0.060	36.99	-19.22	15.62	0.036	34.77	-19.15

Table 7-33. 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	248	324	1.09	1 / 25	20.43	21.52	0.142	36.99	-15.47	19.37	0.086	34.77	-15.41
	16-QAM	782.00	H	248	324	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	248	324	1.11	1 / 12	20.60	21.71	0.148	36.99	-15.28	19.56	0.090	34.77	-15.21
	QPSK	782.00	H	248	324	1.09	1 / 12	20.43	21.52	0.142	36.99	-15.47	19.37	0.087	34.77	-15.40
	QPSK	784.50	H	248	324	1.06	1 / 0	20.32	21.38	0.138	36.99	-15.61	19.23	0.084	34.77	-15.54
	16-QAM	779.50	H	248	324	1.11	1 / 12	20.09	21.20	0.132	36.99	-15.79	19.05	0.080	34.77	-15.72
	16-QAM	782.00	H	248	324	1.09	1 / 12	19.88	20.97	0.125	36.99	-16.02	18.82	0.076	34.77	-15.95
	16-QAM	784.50	H	248	324	1.06	1 / 0	19.80	20.87	0.122	36.99	-16.12	18.72	0.074	34.77	-16.05
10 MHz	Opposite Pol.	782.00	V	155	231	0.89	1 / 25	18.96	19.85	0.097	36.99	-17.14	17.70	0.059	34.77	-17.07
	WCP	782.00	H	251	333	1.09	1 / 25	20.05	21.14	0.130	36.99	-15.85	18.99	0.079	34.77	-15.78

Table 7-34. ERP Data (LTE Band 13) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 187 of 235

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]
35 MHz	$\pi/2$ BPSK	680.5	H	139	246	0.81	1 / 94	19.67	20.49	0.112	36.99	-16.50	18.34	0.068	34.77	-16.44
	QPSK	680.5	H	139	246	0.71	1 / 1	19.77	20.48	0.112	36.99	-16.51	18.33	0.068	34.77	-16.44
	16-QAM	680.5	H	139	246	0.71	1 / 94	18.66	19.37	0.086	36.99	-17.62	17.22	0.053	34.77	-17.55
	$\pi/2$ BPSK	678.0	H	138	254	0.69	1 / 80	19.07	19.76	0.095	36.99	-17.23	17.61	0.058	34.77	-17.16
30 MHz	$\pi/2$ BPSK	680.5	H	139	246	0.81	1 / 1	19.24	20.05	0.101	36.99	-16.94	17.90	0.062	34.77	-16.87
	$\pi/2$ BPSK	683.0	H	142	250	0.93	1 / 1	19.40	20.33	0.108	36.99	-16.66	18.18	0.066	34.77	-16.59
	QPSK	678.0	H	138	254	0.56	1 / 1	19.04	19.60	0.091	36.99	-17.39	17.45	0.056	34.77	-17.32
	QPSK	680.5	H	139	246	0.71	1 / 1	19.30	20.01	0.100	36.99	-16.98	17.86	0.061	34.77	-16.91
25 MHz	QPSK	683.0	H	142	250	0.86	1 / 1	19.45	20.31	0.107	36.99	-16.68	18.16	0.065	34.77	-16.62
	16-QAM	678.0	H	138	254	0.56	1 / 1	18.09	18.65	0.073	36.99	-18.34	16.50	0.045	34.77	-18.27
	16-QAM	680.5	H	139	246	0.71	1 / 1	18.13	18.84	0.077	36.99	-18.15	16.69	0.047	34.77	-18.08
	16-QAM	683.0	H	142	250	0.86	1 / 1	18.29	19.15	0.082	36.99	-17.84	17.00	0.050	34.77	-17.78
20 MHz	$\pi/2$ BPSK	675.5	H	138	254	0.69	1 / 1	19.30	19.99	0.100	36.99	-17.00	17.84	0.061	34.77	-16.93
	$\pi/2$ BPSK	680.5	H	139	246	0.81	1 / 1	19.13	19.94	0.099	36.99	-17.05	17.79	0.060	34.77	-16.98
	$\pi/2$ BPSK	685.5	H	142	250	0.93	1 / 1	19.40	20.33	0.108	36.99	-16.66	18.18	0.066	34.77	-16.59
	QPSK	675.5	H	138	254	0.56	1 / 1	19.10	19.66	0.093	36.99	-17.33	17.51	0.056	34.77	-17.26
15 MHz	QPSK	680.5	H	139	246	0.71	1 / 1	19.34	20.05	0.101	36.99	-16.94	17.90	0.062	34.77	-16.87
	QPSK	685.5	H	142	250	0.86	1 / 1	19.47	20.33	0.108	36.99	-16.66	18.18	0.066	34.77	-16.60
	16-QAM	675.5	H	138	254	0.56	1 / 1	18.07	18.63	0.073	36.99	-18.36	16.48	0.044	34.77	-18.29
	16-QAM	680.5	H	139	246	0.71	1 / 1	18.03	18.74	0.075	36.99	-18.25	16.59	0.046	34.77	-18.18
10 MHz	16-QAM	685.5	H	142	250	0.86	1 / 1	18.37	19.23	0.084	36.99	-17.76	17.08	0.051	34.77	-17.70
	$\pi/2$ BPSK	673.00	H	138	254	0.69	1 / 53	19.06	19.75	0.094	36.99	-17.24	17.60	0.058	34.77	-17.17
	$\pi/2$ BPSK	680.50	H	139	246	0.81	1 / 53	19.00	19.81	0.096	36.99	-17.18	17.66	0.058	34.77	-17.11
	$\pi/2$ BPSK	688.00	H	142	250	0.93	1 / 1	19.26	20.19	0.104	36.99	-16.80	18.04	0.064	34.77	-16.73
5 MHz	QPSK	673.00	H	138	254	0.56	1 / 53	18.89	19.45	0.088	36.99	-17.54	17.30	0.054	34.77	-17.47
	QPSK	680.50	H	139	246	0.71	1 / 53	19.19	19.90	0.098	36.99	-17.09	17.75	0.060	34.77	-17.02
	QPSK	688.00	H	142	250	0.86	1 / 1	19.25	20.11	0.102	36.99	-16.88	17.96	0.062	34.77	-16.82
	16-QAM	673.00	H	138	254	0.56	1 / 53	17.90	18.46	0.070	36.99	-18.53	16.31	0.043	34.77	-18.46
20 MHz	16-QAM	680.50	H	139	246	0.71	1 / 53	17.96	18.67	0.074	36.99	-18.32	16.52	0.045	34.77	-18.25
	16-QAM	688.00	H	142	250	0.86	1 / 1	18.20	19.06	0.080	36.99	-17.93	16.91	0.049	34.77	-17.87
	$\pi/2$ BPSK	670.50	H	138	254	0.51	1 / 39	19.21	19.72	0.094	36.99	-17.27	17.57	0.057	34.77	-17.20
	$\pi/2$ BPSK	680.50	H	139	246	0.71	1 / 1	19.24	19.95	0.099	36.99	-17.04	17.80	0.060	34.77	-16.97
15 MHz	$\pi/2$ BPSK	690.50	H	142	250	0.90	1 / 1	19.20	20.10	0.102	36.99	-16.89	17.95	0.062	34.77	-16.82
	QPSK	670.50	H	138	254	0.51	1 / 1	18.98	19.49	0.089	36.99	-17.50	17.34	0.054	34.77	-17.43
	QPSK	680.50	H	139	246	0.71	1 / 1	19.17	19.88	0.097	36.99	-17.11	17.73	0.059	34.77	-17.04
	QPSK	690.50	H	142	250	0.90	1 / 1	19.16	20.07	0.102	36.99	-16.92	17.92	0.062	34.77	-16.86
10 MHz	16-QAM	670.50	H	138	254	0.51	1 / 1	17.95	18.46	0.070	36.99	-18.53	16.31	0.043	34.77	-18.46
	16-QAM	680.50	H	139	246	0.71	1 / 1	17.92	18.63	0.073	36.99	-18.36	16.48	0.044	34.77	-18.29
	16-QAM	690.50	H	142	250	0.90	1 / 1	17.99	18.90	0.078	36.99	-18.09	16.75	0.047	34.77	-18.03
	$\pi/2$ BPSK	668.00	H	138	254	0.46	1 / 26	19.29	19.75	0.094	36.99	-17.24	17.60	0.058	34.77	-17.17
5 MHz	$\pi/2$ BPSK	680.50	H	139	246	0.71	1 / 1	19.12	19.83	0.096	36.99	-17.16	17.68	0.059	34.77	-17.09
	$\pi/2$ BPSK	693.00	H	142	250	0.95	1 / 1	18.96	19.91	0.098	36.99	-17.08	17.76	0.060	34.77	-17.01
	QPSK	668.00	H	138	254	0.46	1 / 1	19.01	19.47	0.089	36.99	-17.52	17.32	0.054	34.77	-17.45
	QPSK	680.50	H	139	246	0.71	1 / 1	19.24	19.95	0.099	36.99	-17.04	17.80	0.060	34.77	-16.97
20 MHz	QPSK	693.00	H	142	250	0.95	1 / 1	18.91	19.87	0.097	36.99	-17.12	17.72	0.059	34.77	-17.06
	16-QAM	668.00	H	138	254	0.46	1 / 1	18.08	18.54	0.071	36.99	-18.45	16.39	0.044	34.77	-18.38
	16-QAM	680.50	H	139	246	0.71	1 / 1	17.93	18.64	0.073	36.99	-18.35	16.49	0.045	34.77	-18.28
	16-QAM	693.00	H	142	250	0.95	1 / 1	17.71	18.67	0.074	36.99	-18.32	16.52	0.045	34.77	-18.26
5 MHz	$\pi/2$ BPSK	665.50	H	138	254	0.41	1 / 12	19.32	19.73	0.094	36.99	-17.26	17.58	0.057	34.77	-17.19
	$\pi/2$ BPSK	680.50	H	139	246	0.71	1 / 1	19.05	19.76	0.095	36.99	-17.23	17.61	0.058	34.77	-17.16
	$\pi/2$ BPSK	695.50	H	142	250	1.00	1 / 23	18.90	19.90	0.098	36.99	-17.09	17.75	0.060	34.77	-17.02
	QPSK	665.50	H	138	254	0.41	1 / 12	19.20	19.61	0.091	36.99	-17.38	17.46	0.056	34.77	-17.31
20 MHz	QPSK	680.50	H	139	246	0.71	1 / 1	19.21	19.92	0.098	36.99	-17.07	17.77	0.060	34.77	-17.00
	QPSK	695.50	H	142	250	1.00	1 / 23	18.99	19.99	0.100	36.99	-17.00	17.84	0.061	34.77	-16.94
	16-QAM	665.50	H	138	254	0.41	1 / 1	18.24	18.65	0.073	36.99	-18.34	16.50	0.045	34.77	-18.27
	16-QAM	680.50	H	139	246	0.71	1 / 1	18.07	18.78	0.075	36.99	-18.21	16.63	0.046	34.77	-18.14
20 MHz	16-QAM	695.50	H	142	250	1.00	1 / 1	17.96	18.96	0.079	36.99	-18.03	16.81	0.048	34.77	-17.97
	QPSK (CP-OFDM)	688.00	H	142	250	0.93	1 / 94	17.96	18.89	0.077	36.99	-18.10	16.74	0.047	34.77	-18.03
	QPSK (Opposite Pol.)	688.00	V	160	300	0.93	1 / 94	16.95	17.88	0.061	36.99	-19.11	15.73	0.037	34.77	-19.04
	QPSK (WCP)	688.00	H	105	9	0.93	1 / 94	14.40	15.33	0.034	36.99	-21.66	13.18	0.021	34.77	-21.59

Table 7-35. ERP Data (NR Band n71) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 188 of 235

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	191	137	2.88	1 / 99	18.66	21.54	0.142	30.00	-8.46
	QPSK	1745.00	H	182	141	2.84	1 / 99	20.18	23.02	0.201	30.00	-6.98
	QPSK	1770.00	H	184	141	2.79	1 / 0	19.25	22.04	0.160	30.00	-7.96
	16-QAM	1720.00	H	191	137	2.88	1 / 99	17.89	20.77	0.119	30.00	-9.23
	16-QAM	1745.00	H	182	141	2.84	1 / 99	19.57	22.41	0.174	30.00	-7.59
	16-QAM	1770.00	H	184	141	2.79	1 / 0	18.35	21.14	0.130	30.00	-8.86
15 MHz	QPSK	1717.50	H	191	137	2.88	1 / 0	18.75	21.63	0.146	30.00	-8.37
	QPSK	1745.00	H	182	141	2.84	1 / 0	20.31	23.15	0.207	30.00	-6.85
	QPSK	1772.50	H	184	141	2.78	1 / 74	19.23	22.01	0.159	30.00	-7.99
	16-QAM	1717.50	H	191	137	2.88	1 / 0	17.90	20.78	0.120	30.00	-9.22
	16-QAM	1745.00	H	182	141	2.84	1 / 0	19.52	22.37	0.172	30.00	-7.63
	16-QAM	1772.50	H	184	141	2.78	1 / 74	18.15	20.94	0.124	30.00	-9.06
10 MHz	QPSK	1715.00	H	191	137	2.88	1 / 49	18.65	21.54	0.143	30.00	-8.46
	QPSK	1745.00	H	182	141	2.84	1 / 0	20.12	22.96	0.198	30.00	-7.04
	QPSK	1775.00	H	184	141	2.78	1 / 0	19.13	21.90	0.155	30.00	-8.10
	16-QAM	1715.00	H	191	137	2.88	1 / 49	17.72	20.60	0.115	30.00	-9.40
	16-QAM	1745.00	H	182	141	2.84	1 / 0	19.37	22.21	0.166	30.00	-7.79
	16-QAM	1775.00	H	184	141	2.78	1 / 0	18.62	21.40	0.138	30.00	-8.60
5 MHz	QPSK	1712.50	H	191	137	2.89	1 / 12	18.62	21.51	0.141	30.00	-8.49
	QPSK	1745.00	H	182	141	2.84	1 / 12	20.19	23.03	0.201	30.00	-6.97
	QPSK	1777.50	H	184	141	2.77	1 / 12	19.16	21.93	0.156	30.00	-8.07
	16-QAM	1712.50	H	191	137	2.89	1 / 12	18.11	21.00	0.126	30.00	-9.00
	16-QAM	1745.00	H	182	141	2.84	1 / 12	19.41	22.26	0.168	30.00	-7.74
	16-QAM	1777.50	H	184	141	2.77	1 / 12	18.72	21.49	0.141	30.00	-8.51
3 MHz	QPSK	1711.50	H	191	137	2.89	1 / 0	18.76	21.65	0.146	30.00	-8.35
	QPSK	1745.00	H	182	141	2.84	1 / 7	20.19	23.03	0.201	30.00	-6.97
	QPSK	1778.50	H	184	141	2.77	1 / 7	19.17	21.93	0.156	30.00	-8.07
	16-QAM	1711.50	H	191	137	2.89	1 / 0	17.75	20.64	0.116	30.00	-9.36
	16-QAM	1745.00	H	182	141	2.84	1 / 7	19.35	22.20	0.166	30.00	-7.80
	16-QAM	1778.50	H	184	141	2.77	1 / 7	18.62	21.39	0.138	30.00	-8.61
1.4 MHz	QPSK	1710.70	H	191	137	2.89	1 / 5	18.71	21.60	0.145	30.00	-8.40
	QPSK	1745.00	H	182	141	2.84	1 / 3	20.00	22.84	0.193	30.00	-7.16
	QPSK	1779.30	H	184	141	2.77	1 / 5	19.04	21.81	0.152	30.00	-8.19
	16-QAM	1710.70	H	191	137	2.89	1 / 5	17.93	20.82	0.121	30.00	-9.18
	16-QAM	1745.00	H	182	141	2.84	1 / 3	19.45	22.30	0.170	30.00	-7.70
	16-QAM	1779.30	H	184	141	2.77	1 / 5	18.63	21.39	0.138	30.00	-8.61
20 MHz	Opposite Pol.	1745.00	V	250	100	2.94	1 / 99	15.17	18.11	0.065	30.00	-11.89
	WCP	1745.00	H	182	147	2.84	1 / 99	18.01	20.85	0.122	30.00	-9.15

Table 7-36. EIRP Data (LTE Band 66/4) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 189 of 235

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]
45 MHz	$\pi/2$ BPSK	1732.5	H	143	44	2.86	1 / 108	18.64	21.50	0.141	30.00	-8.50
	$\pi/2$ BPSK	1745.0	H	143	44	2.84	1 / 1	18.45	21.29	0.135	30.00	-8.71
	$\pi/2$ BPSK	1757.5	H	147	41	2.81	1 / 1	17.93	20.74	0.119	30.00	-9.26
	QPSK	1732.5	H	143	44	2.86	1 / 108	18.36	21.22	0.133	30.00	-8.78
	QPSK	1745.0	H	143	44	2.84	1 / 1	18.29	21.13	0.130	30.00	-8.87
	QPSK	1757.5	H	147	41	2.81	1 / 1	17.85	20.66	0.116	30.00	-9.34
40 MHz	16-QAM	1732.5	H	143	44	2.86	1 / 108	16.96	19.82	0.096	30.00	-10.18
	$\pi/2$ BPSK	1730.00	H	143	44	2.86	1 / 1	17.78	20.64	0.116	30.00	-9.36
	$\pi/2$ BPSK	1745.00	H	44	44	2.84	1 / 214	17.93	20.78	0.120	30.00	-9.22
	$\pi/2$ BPSK	1760.00	H	147	41	2.81	1 / 214	17.55	20.36	0.109	30.00	-9.64
	QPSK	1730.00	H	143	44	2.86	1 / 1	17.59	20.45	0.111	30.00	-9.55
	QPSK	1745.00	H	44	44	2.84	1 / 214	17.64	20.48	0.112	30.00	-9.52
35 MHz	QPSK	1760.00	H	147	41	2.81	1 / 214	17.64	20.45	0.111	30.00	-9.55
	16-QAM	1745.00	H	44	44	2.84	1 / 1	16.09	18.93	0.078	30.00	-11.07
	$\pi/2$ BPSK	1727.50	H	143	44	2.87	1 / 1	18.47	21.34	0.136	30.00	-8.66
	$\pi/2$ BPSK	1745.00	H	143	44	2.84	1 / 1	17.80	20.65	0.116	30.00	-9.35
	$\pi/2$ BPSK	1762.50	H	147	41	2.80	1 / 94	17.62	20.42	0.110	30.00	-9.58
	QPSK	1727.50	H	143	44	2.87	1 / 1	18.21	21.08	0.128	30.00	-8.92
30 MHz	QPSK	1745.00	H	44	44	2.84	1 / 1	17.55	20.39	0.110	30.00	-9.61
	QPSK	1762.50	H	147	41	2.80	1 / 94	17.66	20.46	0.111	30.00	-9.54
	16-QAM	1727.50	H	143	44	2.87	1 / 1	16.60	19.47	0.088	30.00	-10.53
	$\pi/2$ BPSK	1725.00	H	143	44	2.87	1 / 1	17.75	20.62	0.115	30.00	-9.38
	$\pi/2$ BPSK	1745.00	H	44	44	2.84	1 / 158	17.90	20.75	0.119	30.00	-9.25
	$\pi/2$ BPSK	1765.00	H	147	41	2.80	1 / 80	17.74	20.54	0.113	30.00	-9.46
25 MHz	QPSK	1725.00	H	143	44	2.87	1 / 158	17.71	20.58	0.114	30.00	-9.42
	QPSK	1745.00	H	143	44	2.84	1 / 158	17.74	20.58	0.114	30.00	-9.42
	QPSK	1765.00	H	147	41	2.80	1 / 158	17.70	20.50	0.112	30.00	-9.50
	16-QAM	1745.00	H	44	44	2.84	1 / 1	16.10	18.94	0.078	30.00	-11.06
	$\pi/2$ BPSK	1722.5	H	143	44	2.87	1 / 1	17.90	20.77	0.119	30.00	-9.23
	$\pi/2$ BPSK	1745.0	H	44	44	2.84	1 / 1	17.94	20.79	0.120	30.00	-9.21
20 MHz	$\pi/2$ BPSK	1767.5	H	147	41	2.80	1 / 131	17.70	20.49	0.112	30.00	-9.51
	QPSK	1722.5	H	143	44	2.87	1 / 1	17.70	20.57	0.114	30.00	-9.43
	QPSK	1745.0	H	143	44	2.84	1 / 131	17.71	20.55	0.114	30.00	-9.45
	QPSK	1767.5	H	147	41	2.80	1 / 1	17.74	20.53	0.113	30.00	-9.47
	16-QAM	1745.0	H	44	44	2.84	1 / 1	16.09	18.93	0.078	30.00	-11.07
	$\pi/2$ BPSK	1720.00	H	143	44	2.88	1 / 53	17.58	20.46	0.111	30.00	-9.54
15 MHz	$\pi/2$ BPSK	1745.00	H	44	44	2.84	1 / 104	17.71	20.56	0.114	30.00	-9.44
	$\pi/2$ BPSK	1770.00	H	147	41	2.79	1 / 53	17.60	20.39	0.109	30.00	-9.61
	QPSK	1720.00	H	143	44	2.88	1 / 53	17.41	20.29	0.107	30.00	-9.71
	QPSK	1745.00	H	143	44	2.84	1 / 104	17.47	20.31	0.107	30.00	-9.69
	QPSK	1770.00	H	147	41	2.79	1 / 53	17.57	20.36	0.109	30.00	-9.64
	16-QAM	1745.00	H	44	44	2.84	1 / 1	15.80	18.64	0.073	30.00	-11.36
10 MHz	$\pi/2$ BPSK	1717.50	H	143	44	2.88	1 / 1	17.66	20.54	0.113	30.00	-9.46
	$\pi/2$ BPSK	1745.00	H	44	44	2.84	1 / 39	17.78	20.63	0.116	30.00	-9.37
	$\pi/2$ BPSK	1772.50	H	147	41	2.78	1 / 77	17.63	20.41	0.110	30.00	-9.59
	QPSK	1717.50	H	143	44	2.88	1 / 1	17.54	20.42	0.110	30.00	-9.58
	QPSK	1745.00	H	143	44	2.84	1 / 77	17.54	20.38	0.109	30.00	-9.62
	QPSK	1772.50	H	147	41	2.78	1 / 1	17.56	20.34	0.108	30.00	-9.66
5 MHz	16-QAM	1717.50	H	143	44	2.88	1 / 1	15.90	18.78	0.076	30.00	-11.22
	$\pi/2$ BPSK	1715.00	H	143	44	2.88	1 / 26	17.70	20.58	0.114	30.00	-9.42
	$\pi/2$ BPSK	1745.00	H	44	44	2.84	1 / 26	17.66	20.51	0.112	30.00	-9.49
	$\pi/2$ BPSK	1775.00	H	147	41	2.78	1 / 50	17.57	20.35	0.108	30.00	-9.65
	QPSK	1715.00	H	143	44	2.88	1 / 1	17.52	20.40	0.110	30.00	-9.60
	QPSK	1745.00	H	143	44	2.84	1 / 50	17.44	20.28	0.107	30.00	-9.72
45 MHz	QPSK	1775.00	H	147	41	2.78	1 / 26	17.64	20.41	0.110	30.00	-9.59
	16-QAM	1745.00	H	44	44	2.84	1 / 1	15.88	18.72	0.074	30.00	-11.28
	$\pi/2$ BPSK	1712.50	H	143	44	2.89	1 / 12	17.65	20.54	0.113	30.00	-9.46
	$\pi/2$ BPSK	1745.00	H	44	44	2.84	1 / 12	17.71	20.56	0.114	30.00	-9.44
	$\pi/2$ BPSK	1777.50	H	147	41	2.77	1 / 12	17.54	20.31	0.107	30.00	-9.69
	QPSK	1712.50	H	143	44	2.89	1 / 12	17.38	20.27	0.106	30.00	-9.73
45 MHz	QPSK	1745.00	H	143	44	2.84	1 / 12	17.46	20.30	0.107	30.00	-9.70
	QPSK	1777.50	H	147	41	2.77	1 / 12	17.54	20.31	0.107	30.00	-9.69
	16-QAM	1745.00	H	44	44	2.84	1 / 1	15.96	18.80	0.076	30.00	-11.20
45 MHz	QPSK (CP-OFDM)	1732.50	H	143	37	2.89	1 / 108	16.91	19.80	0.095	30.00	-10.20
	QPSK (Opposite Pol.)	1732.50	V	355	98	2.92	1 / 108	16.02	18.94	0.078	30.00	-11.06
	QPSK (WCP)	1732.50	H	137	39	2.89	1 / 108	19.02	21.91	0.155	30.00	-8.09

Table 7-37. EIRP Data (NR Band n66) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 190 of 235

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	255	178	1.14	1 / 49	14.90	16.04	0.040	36.99	-20.95	13.89	0.024	34.77	-20.88
	QPSK	707.50	H	268	176	1.16	1 / 49	14.94	16.10	0.041	36.99	-20.89	13.95	0.025	34.77	-20.82
	QPSK	711.00	H	262	180	1.17	1 / 49	15.85	17.02	0.050	36.99	-19.97	14.87	0.031	34.77	-19.90
	16-QAM	704.00	H	255	178	1.14	1 / 49	14.14	15.28	0.034	36.99	-21.71	13.13	0.021	34.77	-21.64
	16-QAM	707.50	H	268	176	1.16	1 / 49	14.37	15.53	0.036	36.99	-21.46	13.38	0.022	34.77	-21.39
	16-QAM	711.00	H	262	180	1.17	1 / 49	14.65	15.82	0.038	36.99	-21.17	13.67	0.023	34.77	-21.10
5 MHz	QPSK	701.50	H	255	178	1.14	1 / 12	15.03	16.17	0.041	36.99	-20.82	14.02	0.025	34.77	-20.75
	QPSK	707.50	H	268	176	1.16	1 / 12	14.94	16.09	0.041	36.99	-20.90	13.94	0.025	34.77	-20.83
	QPSK	713.50	H	262	180	1.17	1 / 24	16.10	17.27	0.053	36.99	-19.72	15.12	0.033	34.77	-19.65
	16-QAM	701.50	H	255	178	1.14	1 / 12	14.35	15.49	0.035	36.99	-21.50	13.34	0.022	34.77	-21.43
	16-QAM	707.50	H	268	176	1.16	1 / 12	14.16	15.31	0.034	36.99	-21.68	13.16	0.021	34.77	-21.61
	16-QAM	713.50	H	262	180	1.17	1 / 24	14.64	15.82	0.038	36.99	-21.17	13.67	0.023	34.77	-21.10
3 MHz	QPSK	700.50	H	255	178	1.14	1 / 0	14.94	16.08	0.041	36.99	-20.91	13.93	0.025	34.77	-20.84
	QPSK	707.50	H	268	176	1.16	1 / 0	14.80	15.96	0.039	36.99	-21.03	13.81	0.024	34.77	-20.97
	QPSK	714.50	H	262	180	1.17	1 / 7	16.08	17.25	0.053	36.99	-19.74	15.10	0.032	34.77	-19.67
	16-QAM	700.50	H	255	178	1.14	1 / 0	14.40	15.54	0.036	36.99	-21.45	13.39	0.022	34.77	-21.38
	16-QAM	707.50	H	268	176	1.16	1 / 0	14.16	15.32	0.034	36.99	-21.67	13.17	0.021	34.77	-21.60
	16-QAM	714.50	H	262	180	1.17	1 / 7	14.63	15.81	0.038	36.99	-21.18	13.66	0.023	34.77	-21.12
1.4 MHz	QPSK	699.70	H	255	178	1.14	1 / 3	14.97	16.11	0.041	36.99	-20.88	13.96	0.025	34.77	-20.81
	QPSK	707.50	H	268	176	1.16	1 / 3	14.70	15.85	0.038	36.99	-21.14	13.70	0.023	34.77	-21.07
	QPSK	715.30	H	262	180	1.17	1 / 3	15.97	17.14	0.052	36.99	-19.85	14.99	0.032	34.77	-19.78
	16-QAM	699.70	H	255	178	1.14	1 / 3	14.07	15.21	0.033	36.99	-21.78	13.06	0.020	34.77	-21.71
	16-QAM	707.50	H	268	176	1.16	1 / 3	14.17	15.33	0.034	36.99	-21.66	13.18	0.021	34.77	-21.59
	16-QAM	715.30	H	262	180	1.17	1 / 3	14.64	15.81	0.038	36.99	-21.18	13.66	0.023	34.77	-21.11
10 MHz	Opposite Pol.	711.00	V	168	335	1.17	1 / 0	15.80	16.97	0.050	36.99	-20.02	14.82	0.030	34.77	-19.95
	WCP	711.00	H	164	78	1.17	1 / 49	12.55	13.72	0.024	36.99	-23.27	11.57	0.014	34.77	-23.20

Table 7-38. ERP Data (LTE Band 12/17) – Ant3

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	145	205	0.89	1 / 49	17.08	17.97	0.063	36.99	-19.02	15.82	0.038	34.77	-18.95
	16-QAM	782.00	V	145	205	0.89	1 / 49	15.85	16.74	0.047	36.99	-20.25	14.59	0.029	34.77	-20.18
5 MHz	QPSK	779.50	V	145	205	0.94	1 / 12	17.09	18.03	0.063	36.99	-18.96	15.88	0.039	34.77	-18.90
	QPSK	782.00	V	145	205	0.89	1 / 12	16.96	17.85	0.061	36.99	-19.14	15.70	0.037	34.77	-19.07
	QPSK	784.50	V	145	205	0.85	1 / 12	16.80	17.65	0.058	36.99	-19.34	15.50	0.035	34.77	-19.27
	16-QAM	779.50	V	145	205	0.94	1 / 12	15.84	16.78	0.048	36.99	-20.21	14.63	0.029	34.77	-20.14
	16-QAM	782.00	V	145	205	0.89	1 / 12	15.86	16.75	0.047	36.99	-20.24	14.60	0.029	34.77	-20.17
	16-QAM	784.50	V	145	205	0.85	1 / 12	15.92	16.76	0.047	36.99	-20.23	14.61	0.029	34.77	-20.16
10 MHz	WCP	782.00	V	164	251	0.89	1 / 25	12.42	13.31	0.021	36.99	-23.68	11.16	0.013	34.77	-23.61

Table 7-39. ERP Data (LTE Band 13) – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 191 of 235

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	212	275	0.69	1 / 53	17.17	17.86	0.061	36.99	-19.13	15.71	0.037	34.77	-19.06
	$\pi/2$ BPSK	680.50	H	212	282	0.81	1 / 1	16.35	17.16	0.052	36.99	-19.83	15.01	0.032	34.77	-19.76
	$\pi/2$ BPSK	688.00	H	205	275	0.93	1 / 1	15.83	16.76	0.047	36.99	-20.23	14.61	0.029	34.77	-20.16
	QPSK	673.00	H	212	275	0.69	1 / 53	16.95	17.64	0.058	36.99	-19.35	15.49	0.035	34.77	-19.28
	QPSK	680.50	H	212	282	0.81	1 / 53	16.06	16.87	0.049	36.99	-20.12	14.72	0.030	34.77	-20.05
	QPSK	688.00	H	205	275	0.93	1 / 53	15.70	16.63	0.046	36.99	-20.36	14.48	0.028	34.77	-20.29
	16-QAM	673.00	H	212	275	0.69	1 / 53	16.09	16.78	0.048	36.99	-20.21	14.63	0.029	34.77	-20.14
	16-QAM	680.50	H	212	282	0.81	1 / 1	15.15	15.96	0.039	36.99	-21.03	13.81	0.024	34.77	-20.96
15 MHz	16-QAM	688.00	H	205	275	0.93	1 / 53	14.68	15.61	0.036	36.99	-21.38	13.46	0.022	34.77	-21.31
	$\pi/2$ BPSK	670.50	H	212	275	0.65	1 / 1	17.23	17.88	0.061	36.99	-19.11	15.73	0.037	34.77	-19.04
	$\pi/2$ BPSK	680.50	H	212	282	0.81	1 / 1	16.35	17.16	0.052	36.99	-19.83	15.01	0.032	34.77	-19.76
	$\pi/2$ BPSK	690.50	H	205	275	0.97	1 / 1	15.64	16.61	0.046	36.99	-20.38	14.46	0.028	34.77	-20.31
	QPSK	670.50	H	212	275	0.65	1 / 1	17.01	17.66	0.058	36.99	-19.33	15.51	0.036	34.77	-19.26
	QPSK	680.50	H	212	282	0.81	1 / 1	16.02	16.83	0.048	36.99	-20.16	14.68	0.029	34.77	-20.09
	QPSK	690.50	H	205	275	0.97	1 / 1	15.54	16.51	0.045	36.99	-20.48	14.36	0.027	34.77	-20.41
	16-QAM	670.50	H	212	275	0.65	1 / 1	16.15	16.80	0.048	36.99	-20.19	14.65	0.029	34.77	-20.12
10 MHz	16-QAM	680.50	H	212	282	0.81	1 / 1	15.15	15.96	0.039	36.99	-21.03	13.81	0.024	34.77	-20.96
	16-QAM	690.50	H	205	275	0.97	1 / 1	14.55	15.52	0.036	36.99	-21.47	13.37	0.022	34.77	-21.40
	$\pi/2$ BPSK	668.00	H	212	275	0.61	1 / 1	17.28	17.89	0.062	36.99	-19.10	15.74	0.037	34.77	-19.03
	$\pi/2$ BPSK	680.50	H	212	282	0.81	1 / 1	16.24	17.05	0.051	36.99	-19.94	14.90	0.031	34.77	-19.87
	$\pi/2$ BPSK	693.00	H	205	275	1.01	1 / 1	15.42	16.43	0.044	36.99	-20.56	14.28	0.027	34.77	-20.49
	QPSK	668.00	H	212	275	0.61	1 / 1	17.09	17.70	0.059	36.99	-19.29	15.55	0.036	34.77	-19.22
	QPSK	680.50	H	212	282	0.81	1 / 1	15.94	16.75	0.047	36.99	-20.24	14.60	0.029	34.77	-20.17
	QPSK	693.00	H	205	275	1.01	1 / 1	15.30	16.31	0.043	36.99	-20.68	14.16	0.026	34.77	-20.61
5 MHz	16-QAM	668.00	H	212	275	0.61	1 / 1	16.25	16.86	0.049	36.99	-20.13	14.71	0.030	34.77	-20.06
	16-QAM	680.50	H	212	282	0.81	1 / 1	15.13	15.94	0.039	36.99	-21.05	13.79	0.024	34.77	-20.98
	16-QAM	693.00	H	205	275	1.01	1 / 1	14.34	15.35	0.034	36.99	-21.64	13.20	0.021	34.77	-21.57
	$\pi/2$ BPSK	665.50	H	212	275	0.57	1 / 12	17.41	17.98	0.063	36.99	-19.01	15.83	0.038	34.77	-18.94
	$\pi/2$ BPSK	680.50	H	212	282	0.81	1 / 12	16.22	17.03	0.050	36.99	-19.96	14.88	0.031	34.77	-19.89
	$\pi/2$ BPSK	695.50	H	205	275	1.05	1 / 23	15.46	16.51	0.045	36.99	-20.48	14.36	0.027	34.77	-20.41
	QPSK	665.50	H	212	275	0.57	1 / 12	17.23	17.80	0.060	36.99	-19.19	15.65	0.037	34.77	-19.12
	QPSK	680.50	H	212	282	0.81	1 / 1	16.08	16.89	0.049	36.99	-20.10	14.74	0.030	34.77	-20.03
20 MHz	QPSK	695.50	H	205	275	1.05	1 / 23	15.43	16.48	0.044	36.99	-20.51	14.33	0.027	34.77	-20.44
	16-QAM	665.50	H	212	275	0.57	1 / 1	16.36	16.93	0.049	36.99	-20.06	14.78	0.030	34.77	-19.99
	16-QAM	680.50	H	212	282	0.81	1 / 1	15.14	15.95	0.039	36.99	-21.04	13.80	0.024	34.77	-20.97
	16-QAM	695.50	H	205	275	1.05	1 / 1	14.54	15.59	0.036	36.99	-21.40	13.44	0.022	34.77	-21.33
	QPSK (CP-OFDM)	673.00	H	205	272	0.69	1 / 53	14.36	15.05	0.032	36.99	-21.94	12.90	0.019	34.77	-21.87
	QPSK (Opposite Pol.)	673.00	V	162	207	0.56	1 / 1	15.01	15.57	0.036	36.99	-21.42	13.42	0.022	34.77	-21.35
	QPSK (WCP)	673.00	H	207	268	0.69	1 / 53	16.41	17.10	0.051	36.99	-19.89	14.95	0.031	34.77	-19.82

Table 7-40. ERP Data (NR Band n71) – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 192 of 235

7.8 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in ANSI C63.26-2015 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using hybrid (biconical/log) antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as RMS measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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Test Setup

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

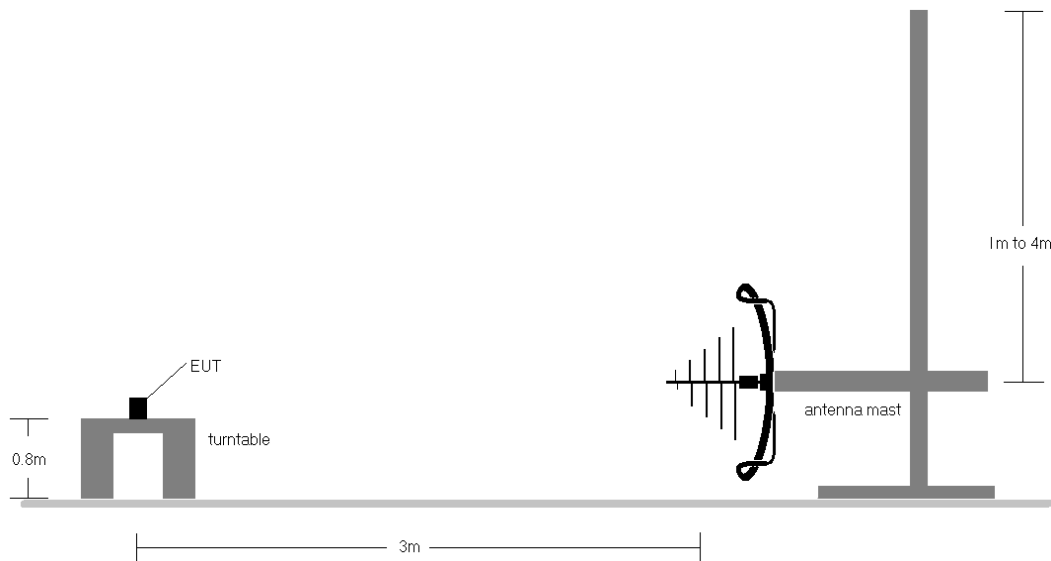


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

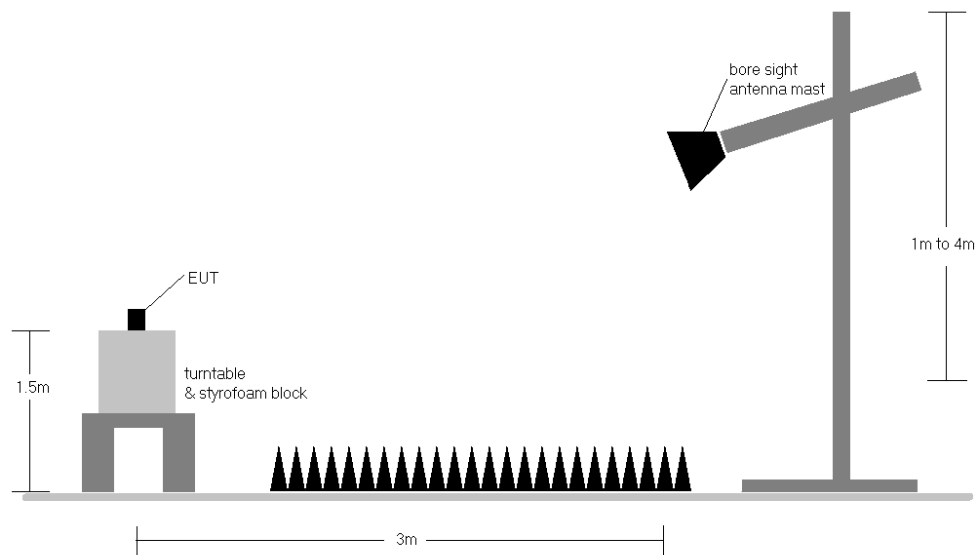


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

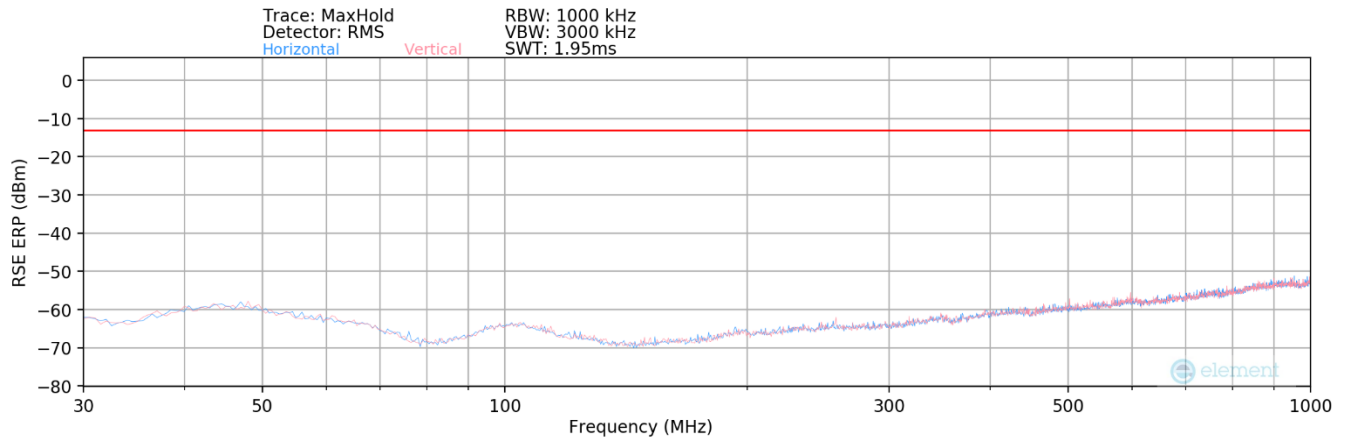
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Test Notes

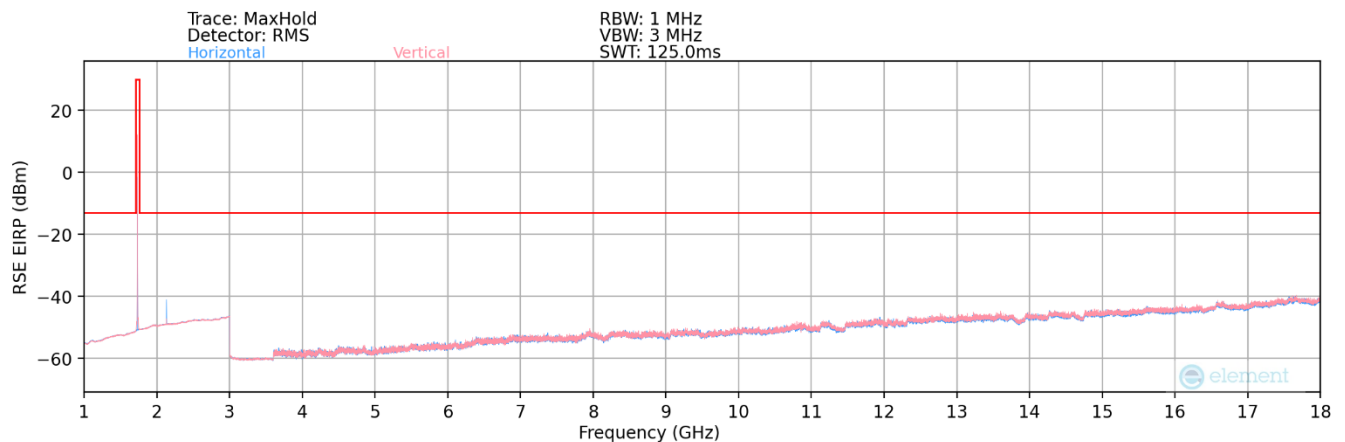
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m})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

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WCDMA AWS – Ant1



Plot 7-247. Radiated Spurious Plot (WCDMA AWS) – Ant1



Plot 7-248. 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]
500.00	H	-	-	-74.67	-6.84	25.49	-71.91	-13.00	-58.91

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

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3424.80	H	-	-	-73.82	5.47	38.65	-56.61	-13.00	-43.61
5137.20	H	-	-	-77.05	7.71	37.66	-57.59	-13.00	-44.59
6849.60	H	-	-	-77.56	12.32	41.76	-53.50	-13.00	-40.50

7-42. 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	-	-	-73.79	5.31	38.52	-56.73	-13.00	-43.73
5197.80	H	-	-	-76.61	7.41	37.80	-57.46	-13.00	-44.46
6930.40	H	-	-	-77.16	12.11	41.95	-53.31	-13.00	-40.31

Table 7-43. Radiated Spurious Data (WCDMA AWS – Mid Channel) – Ant1

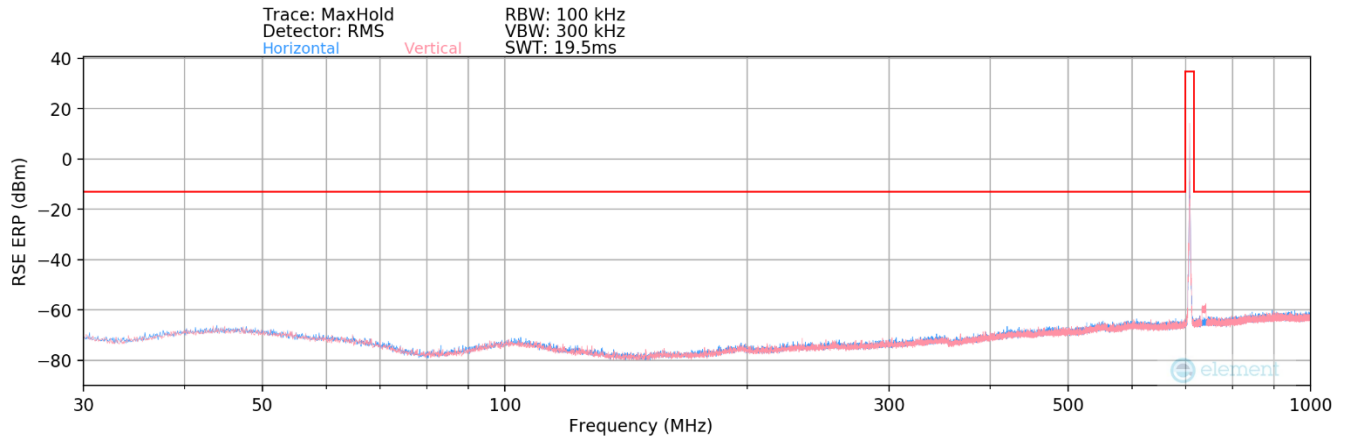
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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	-	-	-73.80	5.51	38.71	-56.55	-13.00	-43.55
5257.80	H	-	-	-76.68	7.20	37.52	-57.73	-13.00	-44.73
7010.40	H	-	-	-77.12	11.71	41.59	-53.67	-13.00	-40.67

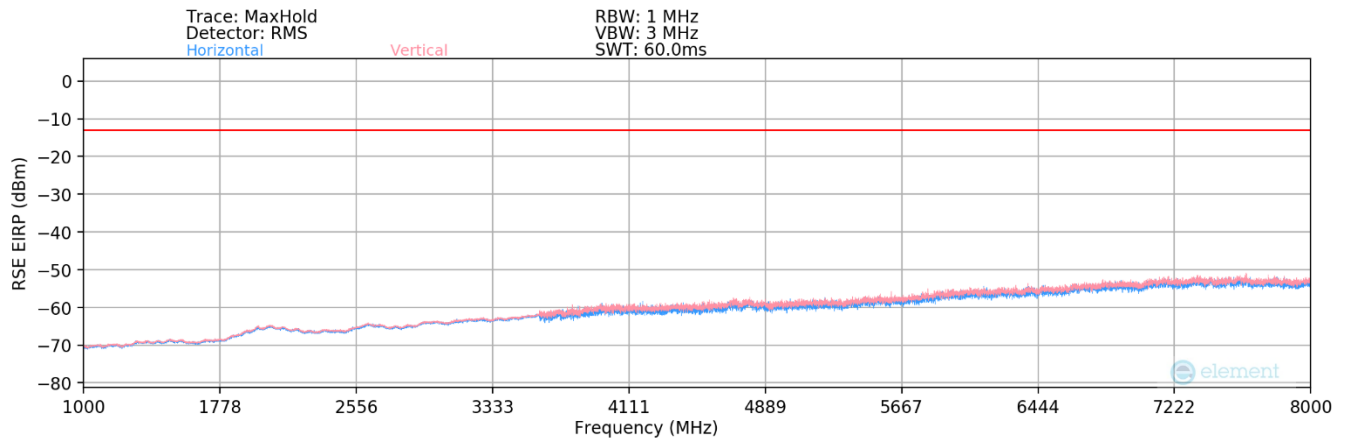
Table 7-44. Radiated Spurious Data (WCDMA AWS – High Channel) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12/17 – Ant1



Plot 7-249. Radiated Spurious Plot (LTE Band 12/17) – Ant1



Plot 7-250. Radiated Spurious Plot (LTE Band 12/17) – Ant1

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
353.50	V	-	-	-73.58	-9.64	23.78	-73.63	-13.00	-60.63

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

FCC ID: A3LSMF966B	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	-	-	-76.71	-7.04	23.25	-72.01	-13.00	-59.01
2112.00	V	-	-	-77.29	-2.89	26.82	-68.44	-13.00	-55.44
2816.00	V	-	-	-77.52	-3.05	26.43	-68.82	-13.00	-55.82

Table 7-46. 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	297	298	-75.94	-7.01	24.05	-71.21	-13.00	-58.21
2122.50	V	-	-	-76.81	-2.94	27.25	-68.01	-13.00	-55.01
2830.00	V	-	-	-77.10	-2.81	27.09	-68.17	-13.00	-55.17
3537.50	V	-	-	-77.72	-0.25	29.03	-66.22	-13.00	-53.22

Table 7-47. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant1

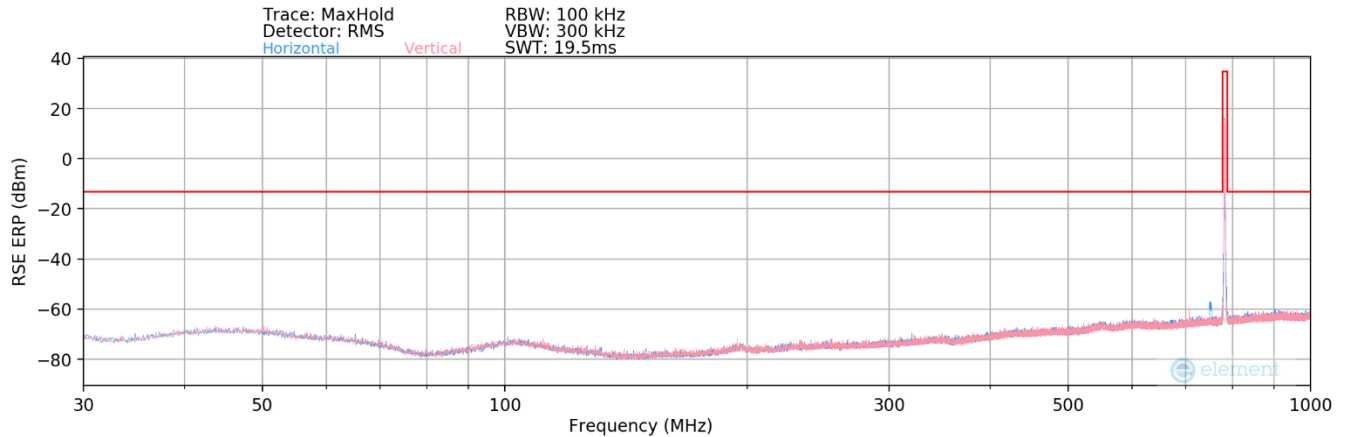
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

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	152	10	-76.19	-6.99	23.82	-71.44	-13.00	-58.44
2133.00	V	-	-	-76.96	-3.00	27.04	-68.22	-13.00	-55.22
2844.00	V	-	-	-77.31	-2.71	26.98	-68.28	-13.00	-55.28
3555.00	V	-	-	-77.85	-0.15	29.00	-66.26	-13.00	-53.26

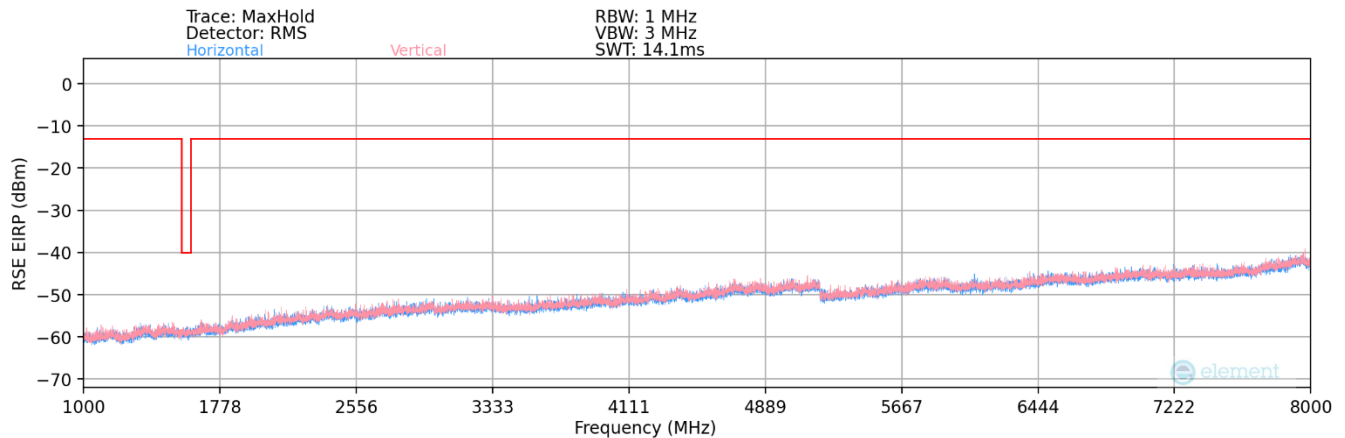
Table 7-48. Radiated Spurious Data (LTE Band 12/17 – High Channel) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant1



Plot 7-251. Radiated Spurious Plot (LTE Band 13) – Ant1



Plot 7-252. Radiated Spurious Plot (LTE Band 13) – Ant1

Bandwidth (MHz):	5
Frequency (MHz):	782
RB / Offset:	1 / 12

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]
195.50	V	-	-	-63.40	-13.40	30.20	-67.21	-13.00	-54.21
391.00	V	-	-	-65.96	-8.75	32.29	-65.12	-13.00	-52.12
586.50	V	-	-	-67.31	-5.03	34.66	-62.75	-13.00	-49.75

Table 7-49. Radiated Spurious Data (LTE Band 13) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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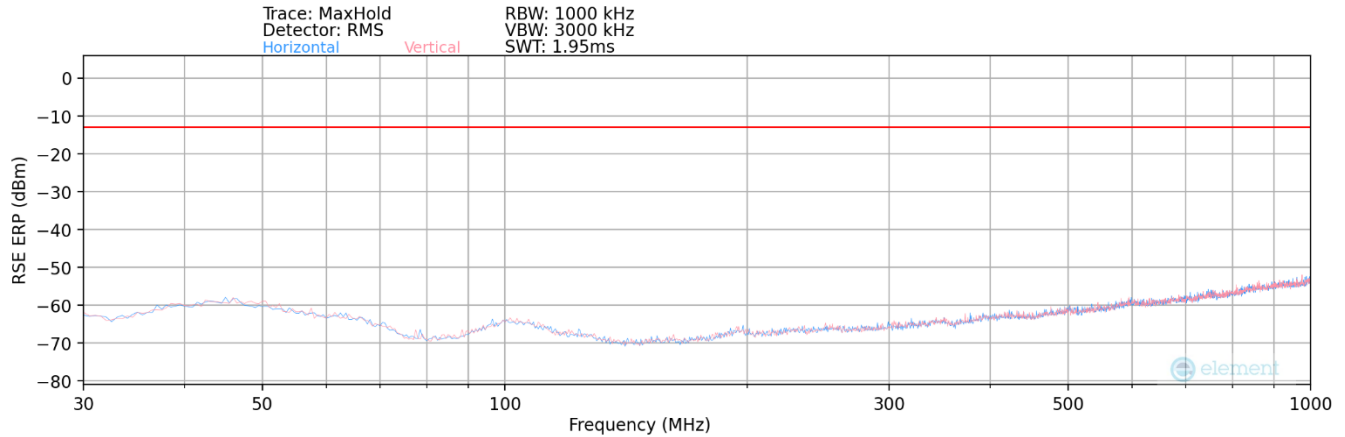
Bandwidth (MHz):	5
Frequency (MHz):	782
RB / Offset:	1 / 12

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	281	310	-66.83	-0.86	39.31	-55.95	-40.00	-15.95
2346.00	H	-	-	-68.82	3.37	41.55	-53.71	-13.00	-40.71
3128.00	H	-	-	-69.41	6.17	43.76	-51.50	-13.00	-38.50

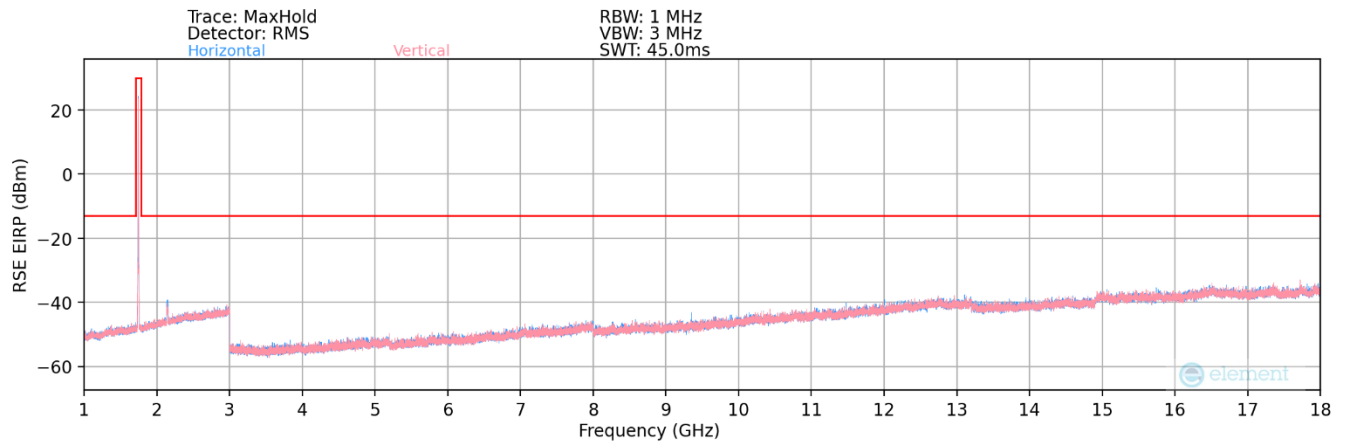
Table 7-50. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – Ant1



Plot 7-253. Radiated Spurious Plot (LTE Band 66/4) – Ant1



Plot 7-254. Radiated Spurious Plot (LTE Band 66/4) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
100.00	H	-	-	-57.56	-13.67	35.77	-61.64	-13.00	-48.64

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

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
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Bandwidth (MHz):	20
Frequency (MHz):	1720
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.00	H	-	-	-80.22	7.19	33.97	-61.29	-13.00	-48.29
5160.00	H	-	-	-82.03	10.61	35.58	-59.67	-13.00	-46.67
6880.00	H	-	-	-83.82	13.84	37.02	-58.23	-13.00	-45.23

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

Bandwidth (MHz):	20
Frequency (MHz):	1745
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.00	H	127	284	-75.30	7.15	38.85	-56.41	-13.00	-43.41
5235.00	H	-	-	-81.76	10.18	35.42	-59.84	-13.00	-46.84
6980.00	H	-	-	-82.89	13.95	38.06	-57.20	-13.00	-44.20
8725.00	H	-	-	-84.21	16.42	39.21	-56.05	-13.00	-43.05

Table 7-53. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant1

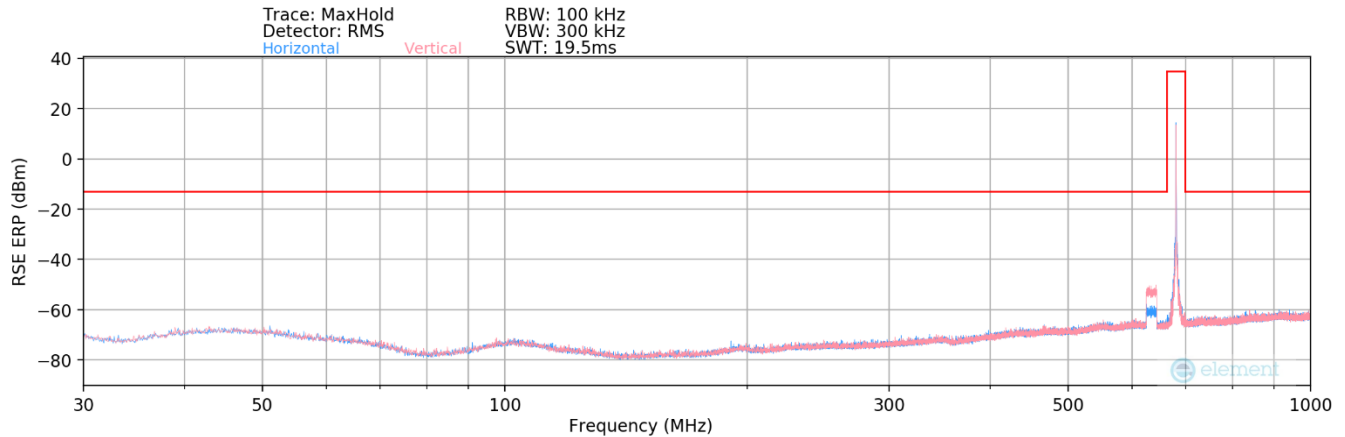
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	H	-	-	-80.29	7.29	34.00	-61.26	-13.00	-48.26
5310.00	H	-	-	-82.13	10.59	35.46	-59.80	-13.00	-46.80
7080.00	H	-	-	-82.17	14.14	38.97	-56.29	-13.00	-43.29

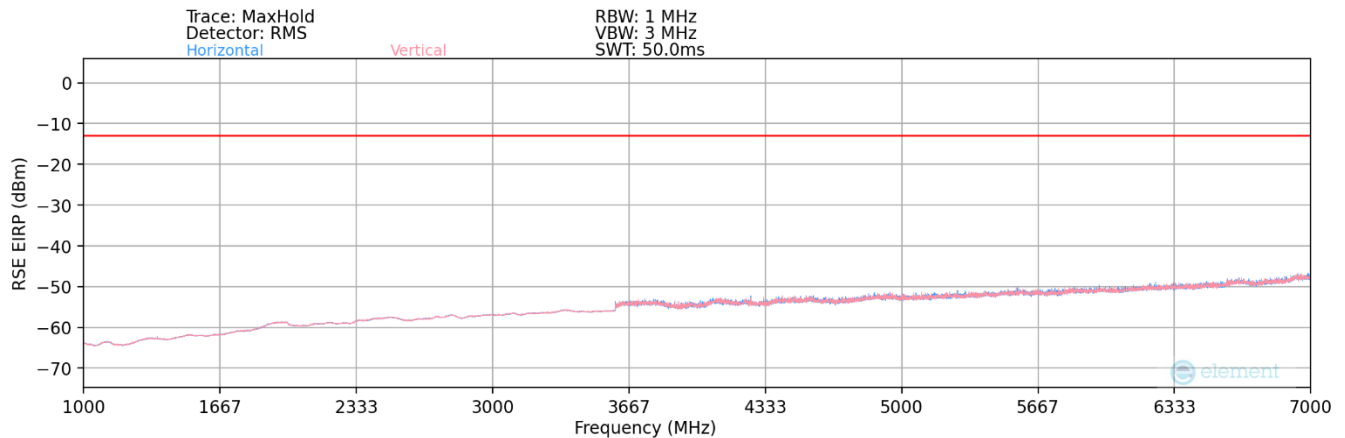
Table 7-54. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71 – Ant1



Plot 7-255. Radiated Spurious Plot (NR Band n71) – Ant1



Plot 7-256. Radiated Spurious Plot (NR Band n71) – Ant1

Bandwidth (MHz):	35
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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
340.00	V	-	-	-73.68	-9.81	23.51	-73.89	-13.00	-60.89

Table 7-55. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
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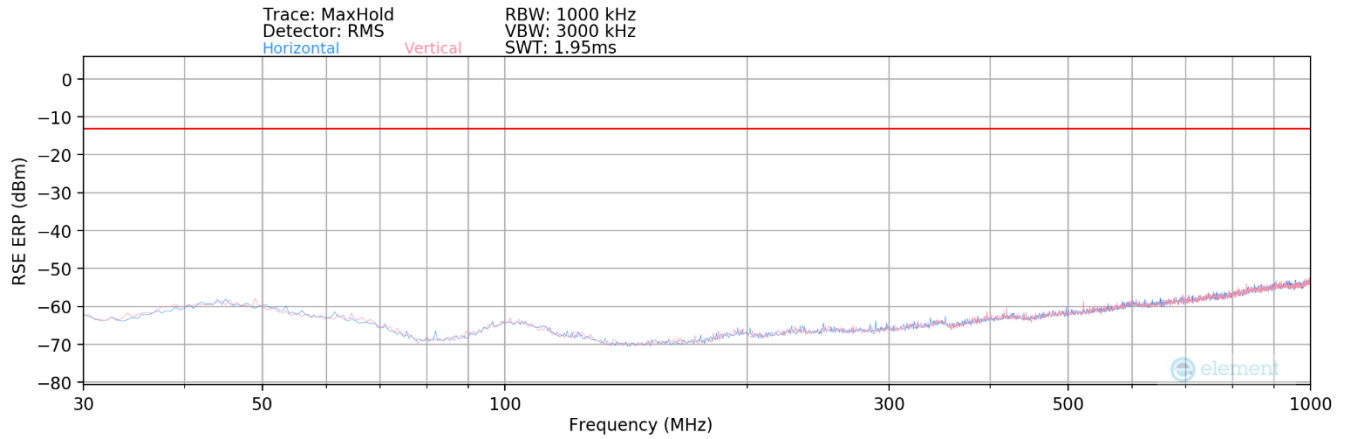
Bandwidth (MHz):	35
Frequency (MHz):	680.5
RB / Offset:	1 / 53

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	V	176	116	-70.32	-2.10	34.58	-60.68	-13.00	-47.68
2041.50	V	-	-	-73.17	1.31	35.14	-60.12	-13.00	-47.12
2722.00	V	-	-	-74.03	3.47	36.44	-58.82	-13.00	-45.82
3402.50	V	-	-	-74.44	4.73	37.29	-57.97	-13.00	-44.97

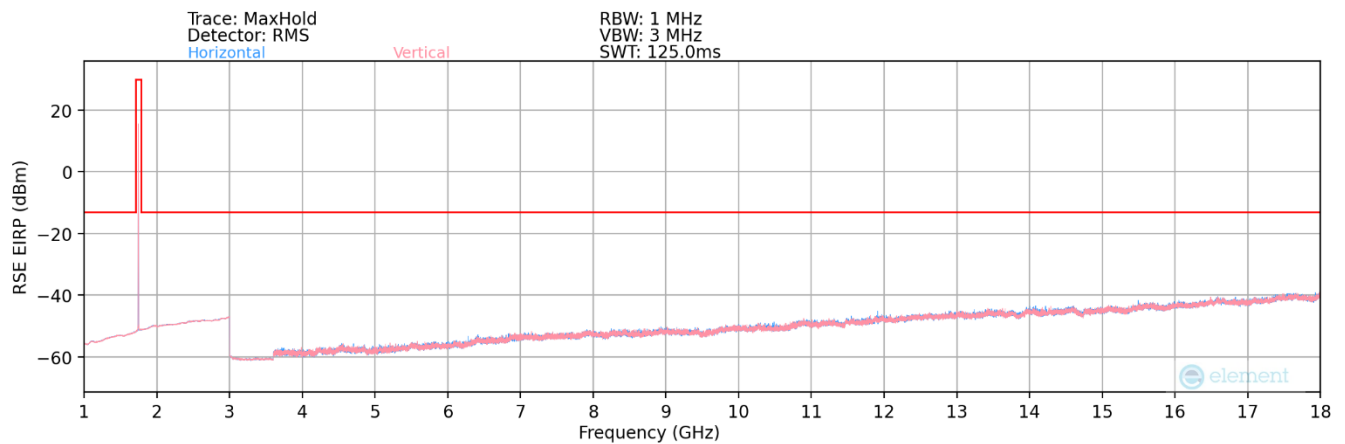
Table 7-56. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – Ant1



Plot 7-257. Radiated Spurious Plot (NR Band n66) – Ant1



Plot 7-258. Radiated Spurious Plot (NR Band n66) – Ant1

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
350.00	H	-	-	-75.64	-9.48	21.88	-75.53	-13.00	-62.53

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

FCC ID: A3LSMF966B	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	H	-	-	-73.43	5.32	38.89	-56.37	-13.00	-43.37
5190.00	H	-	-	-76.86	7.43	37.57	-57.69	-13.00	-44.69
6920.00	H	-	-	-77.54	12.18	41.64	-53.62	-13.00	-40.62

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

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	-	-	-73.34	5.47	39.13	-56.12	-13.00	-43.12
5235.00	H	-	-	-76.79	7.46	37.67	-57.58	-13.00	-44.58
6980.00	H	-	-	-77.45	11.60	41.15	-54.11	-13.00	-41.11

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

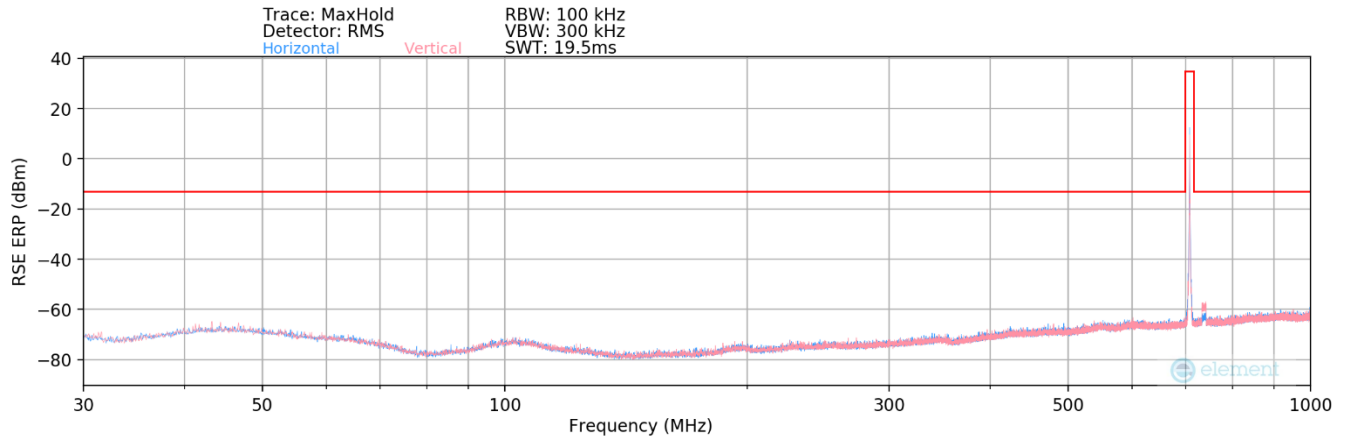
Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 108

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	-	-	-73.69	5.40	38.71	-56.54	-13.00	-43.54
5280.00	H	-	-	-76.18	7.38	38.20	-57.06	-13.00	-44.06
7040.00	H	-	-	-77.47	11.98	41.51	-53.75	-13.00	-40.75

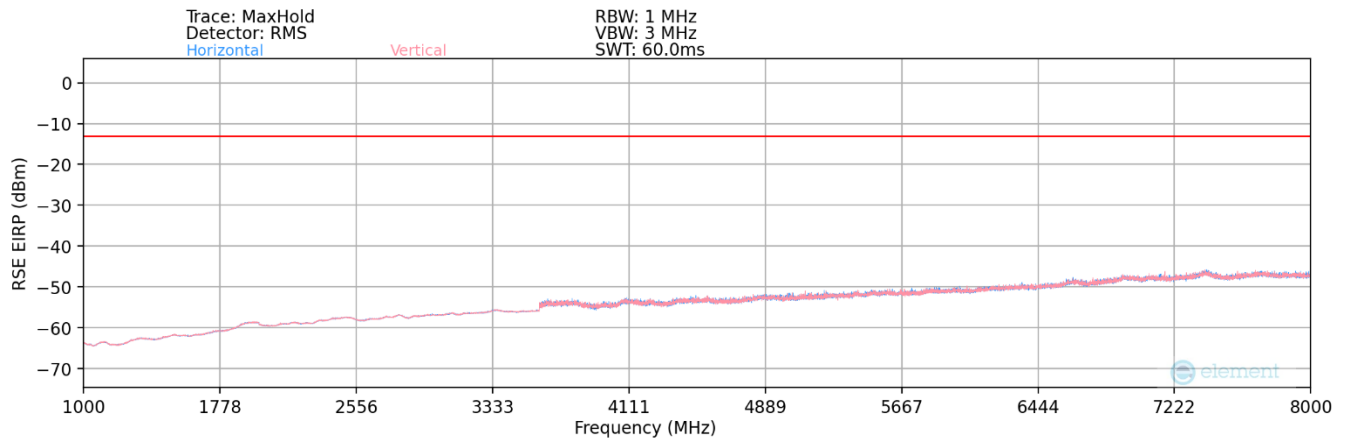
Table 7-60. Radiated Spurious Data (NR Band n66 – High Channel) – Ant1

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 207 of 235

LTE Band 12/17 – Ant2



Plot 7-259. Radiated Spurious Plot (LTE Band 12/17) – Ant2



Plot 7-260. Radiated Spurious Plot (LTE Band 12/17) – Ant2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
177.00	V	-	-	-62.22	-15.70	29.08	-68.33	-13.00	-55.33
353.00	V	-	-	-64.70	-9.59	32.71	-64.70	-13.00	-51.70
531.00	V	-	-	-65.92	-6.51	34.57	-62.84	-13.00	-49.84

Table 7-61. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset		Page 208 of 235

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	126	198	-74.26	-2.45	30.29	-64.97	-13.00	-51.97
2112.00	V	235	356	-71.71	1.07	36.36	-58.90	-13.00	-45.90
2816.00	V	-	-	-76.67	2.25	32.58	-62.68	-13.00	-49.68
3520.00	V	-	-	-76.63	4.08	34.45	-60.81	-13.00	-47.81
4224.00	V	-	-	-76.14	4.12	34.98	-60.28	-13.00	-47.28

Table 7-62. Radiated Spurious Data (LTE Band 12/17 – Low Channel) – Ant2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	V	113	176	-74.86	-2.40	29.74	-65.51	-13.00	-52.51
2122.50	V	270	355	-70.92	1.13	37.21	-58.04	-13.00	-45.04
2830.00	V	-	-	-77.05	2.47	32.42	-62.84	-13.00	-49.84
3537.50	V	-	-	-77.39	4.19	33.80	-61.46	-13.00	-48.46
4245.00	V	-	-	-75.86	4.29	35.43	-59.83	-13.00	-46.83

Table 7-63. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant2

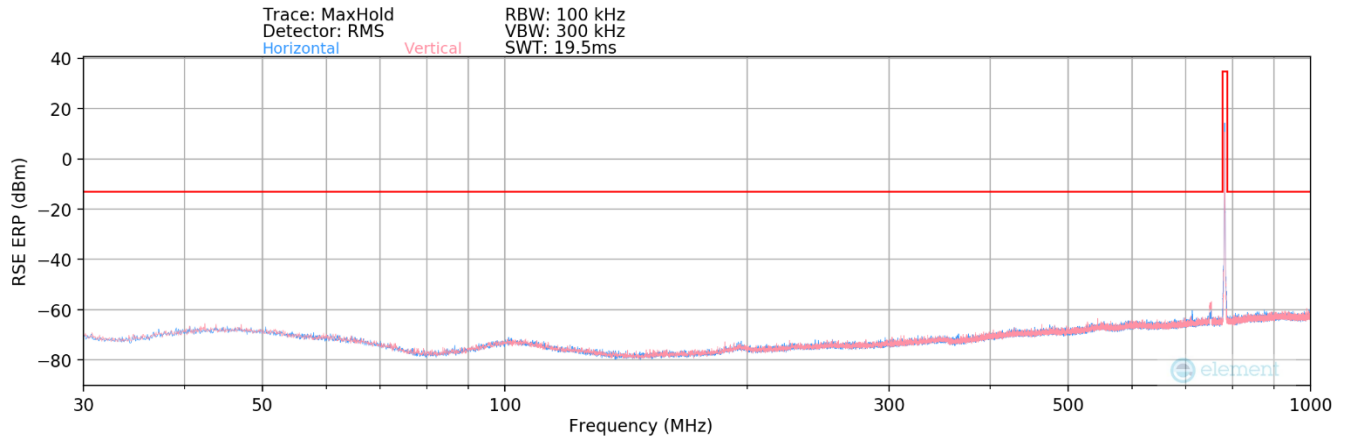
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

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]
1422.00	V	130	202	-74.31	-2.35	30.34	-64.91	-13.00	-51.91
2133.00	V	270	358	-69.82	1.19	38.37	-56.89	-13.00	-43.89
2844.00	V	-	-	-74.73	2.55	34.82	-60.44	-13.00	-47.44
3555.00	V	-	-	-74.35	4.28	36.93	-58.33	-13.00	-45.33
4266.00	V	-	-	-75.79	4.51	35.72	-59.53	-13.00	-46.53

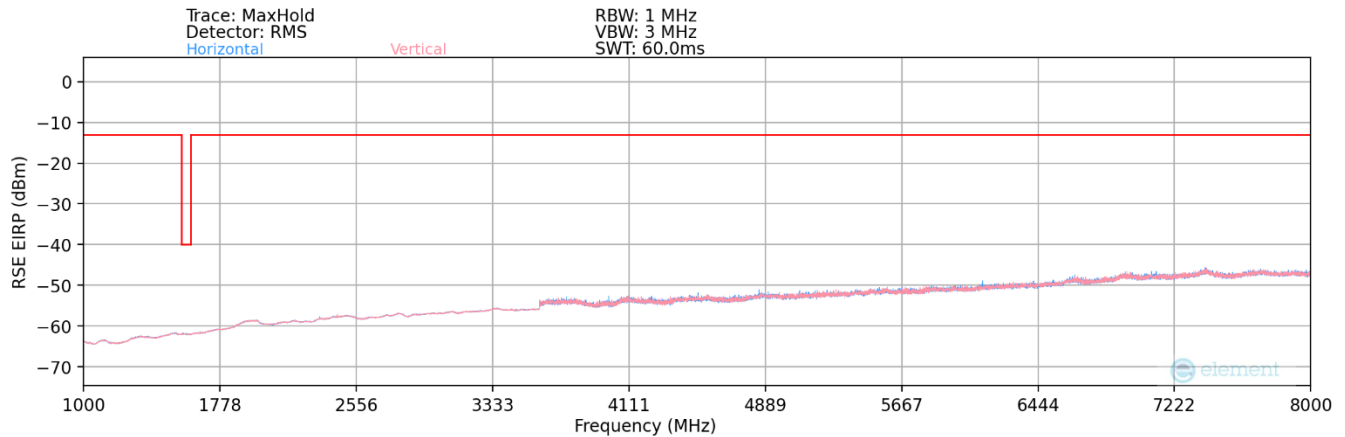
Table 7-64. Radiated Spurious Data (LTE Band 12/17 – High Channel) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 209 of 235

LTE Band 13 – Ant2



Plot 7-261. Radiated Spurious Plot (LTE Band 13) – Ant2



Plot 7-262. Radiated Spurious Plot (LTE Band 13) – Ant2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
195.50	H	-	-	-62.55	-13.40	31.05	-66.36	-13.00	-53.36
391.00	H	-	-	-65.18	-8.75	33.07	-64.34	-13.00	-51.34
586.50	H	-	-	-67.75	-5.03	34.22	-63.19	-13.00	-50.19

Table 7-65. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset		Page 210 of 235

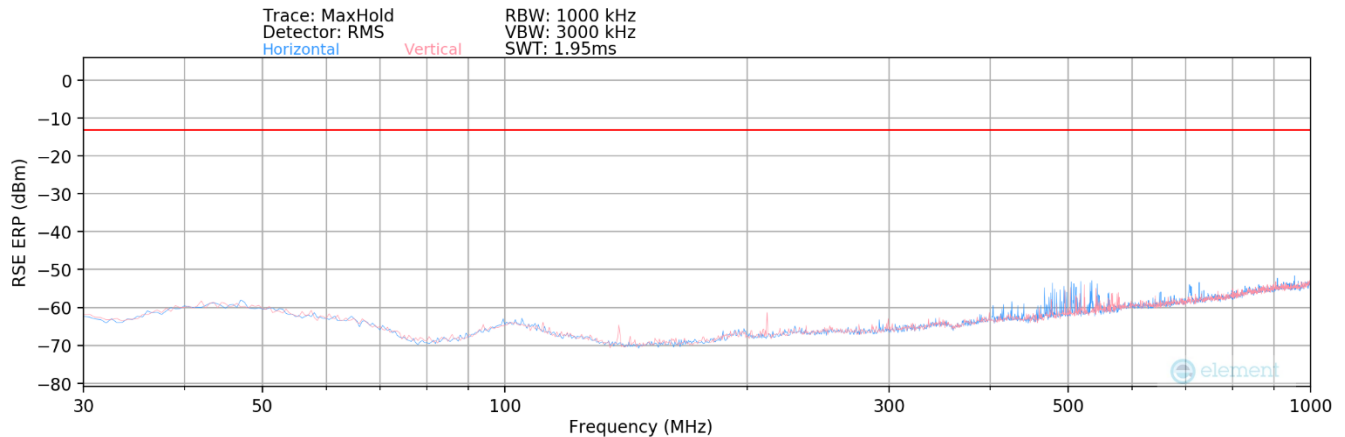
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

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	-	-	-72.60	-1.19	33.21	-62.05	-40.00	-22.05
2346.00	H	191	218	-69.32	2.54	40.22	-55.04	-13.00	-42.04
3128.00	H	-	-	-73.87	3.86	36.99	-58.27	-13.00	-45.27
3910.00	H	-	-	-76.51	4.67	35.16	-60.10	-13.00	-47.10
4692.00	H	-	-	-75.80	6.00	37.20	-58.05	-13.00	-45.05

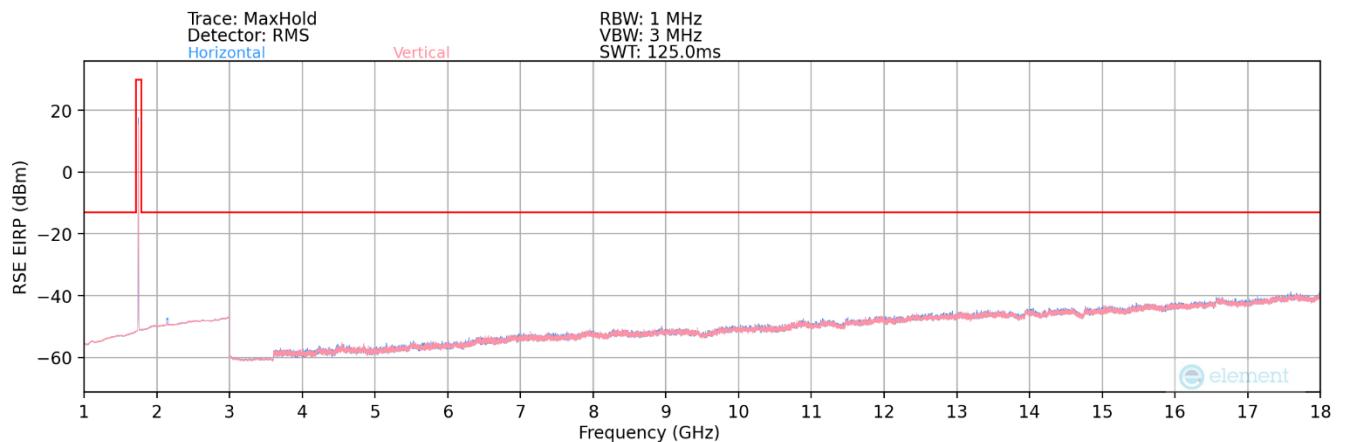
Table 7-66. Radiated Spurious Data (LTE Band 13) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 211 of 235

LTE Band 66/4 – Ant2



Plot 7-263. Radiated Spurious Plot (LTE Band 66/4) – Ant2



Plot 7-264. Radiated Spurious Plot (LTE Band 66/4) – 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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
436.00	H	-	-	-65.94	-7.95	33.11	-64.30	-13.00	-51.30
500.00	H	-	-	-66.15	-6.84	34.01	-63.39	-13.00	-50.39
872.50	H	-	-	-67.41	-0.95	38.64	-58.77	-13.00	-45.77

Table 7-67. Radiated Spurious Data (LTE Band 66/4) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset		Page 212 of 235

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	-	-	-72.55	5.47	39.92	-55.34	-13.00	-42.34
5160.00	H	120	329	-70.22	7.72	44.50	-50.76	-13.00	-37.76
6880.00	H	-	-	-77.83	12.50	41.67	-53.59	-13.00	-40.59
8600.00	H	-	-	-78.36	13.69	42.33	-52.93	-13.00	-39.93
10320.00	H	-	-	-79.18	15.99	43.81	-51.45	-13.00	-38.45

Table 7-68. 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	-	-	-72.16	5.47	40.31	-54.94	-13.00	-41.94
5235.00	H	159	339	-73.17	7.46	41.29	-53.96	-13.00	-40.96
6980.00	H	-	-	-77.08	11.60	41.52	-53.74	-13.00	-40.74
8725.00	H	-	-	-78.19	13.65	42.46	-52.80	-13.00	-39.80
10470.00	H	-	-	-79.00	16.52	44.52	-50.74	-13.00	-37.74

Table 7-69. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant2

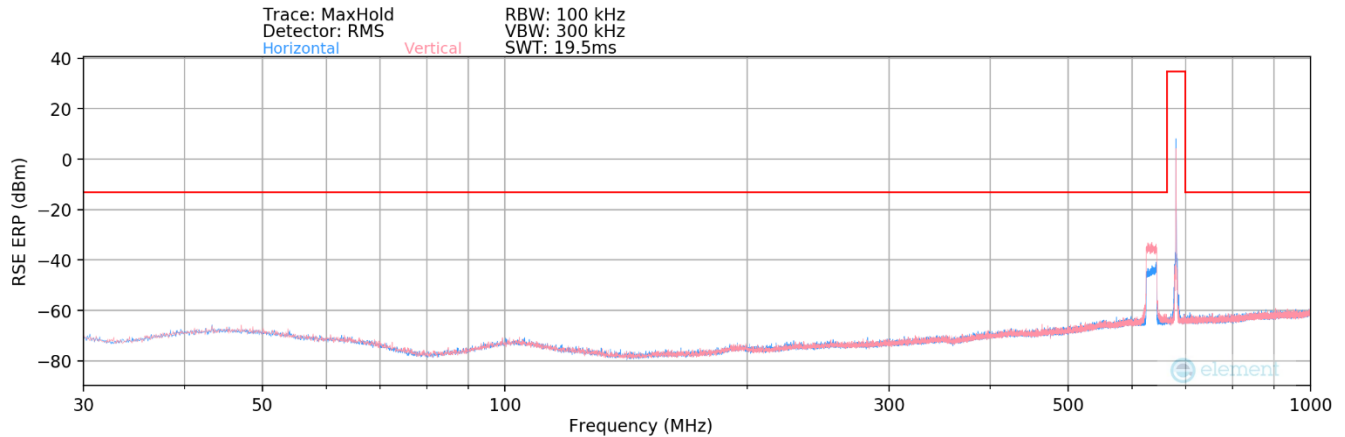
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

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	-	-	-72.74	5.35	39.61	-55.65	-13.00	-42.65
5310.00	H	166	189	-71.67	7.81	43.14	-52.12	-13.00	-39.12
7080.00	H	-	-	-77.45	12.20	41.75	-53.51	-13.00	-40.51
8850.00	H	-	-	-78.16	13.80	42.64	-52.62	-13.00	-39.62
10620.00	H	-	-	-79.55	16.60	44.05	-51.20	-13.00	-38.20

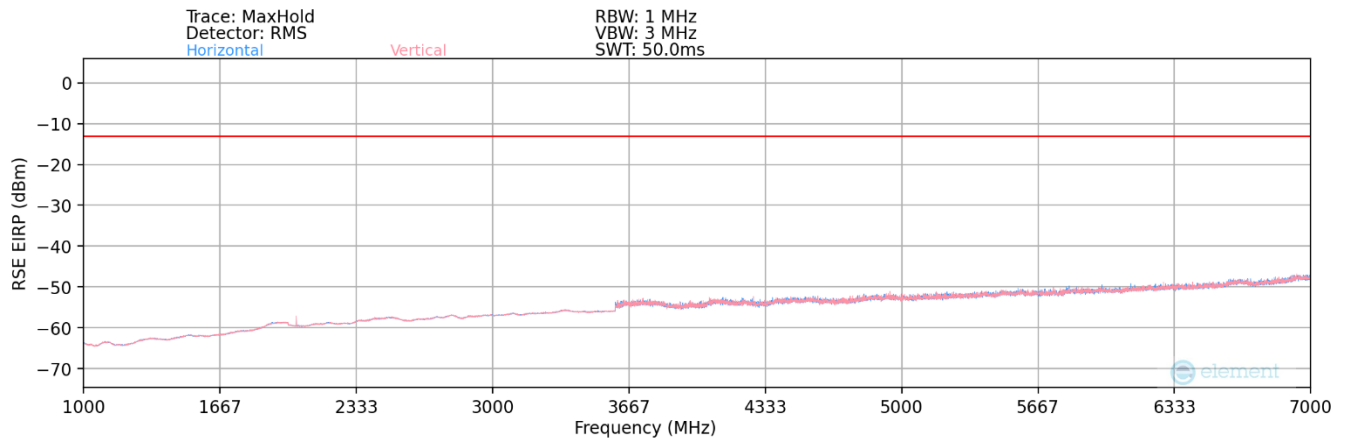
Table 7-70. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 213 of 235

NR Band n71 – Ant2



Plot 7-265. Radiated Spurious Plot (NR Band n71) – Ant2



Plot 7-266. Radiated Spurious Plot (NR Band n71) – Ant2

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
340.00	V	-	-	-72.89	-9.81	24.30	-73.10	-13.00	-60.10

Table 7-71. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset		Page 214 of 235

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	V	-	-	-72.12	-2.01	32.87	-62.38	-13.00	-49.38
2019.00	V	209	352	-66.23	1.44	42.21	-53.05	-13.00	-40.05
2692.00	V	-	-	-74.38	3.06	35.68	-59.58	-13.00	-46.58
3365.00	V	-	-	-74.51	5.03	37.52	-57.74	-13.00	-44.74
4038.00	V	-	-	-76.58	5.26	35.68	-59.58	-13.00	-46.58

Table 7-72. Radiated Spurious Data (NR Band n71 – Low Channel) – Ant2

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	V	-	-	-71.77	-2.10	33.13	-62.13	-13.00	-49.13
2041.50	V	358	27	-64.30	1.31	44.01	-51.25	-13.00	-38.25
2722.00	V	-	-	-73.71	3.47	36.76	-58.50	-13.00	-45.50
3402.50	V	-	-	-74.22	4.73	37.51	-57.75	-13.00	-44.75
4083.00	V	-	-	-76.06	6.02	36.96	-58.30	-13.00	-45.30

Table 7-73. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant2

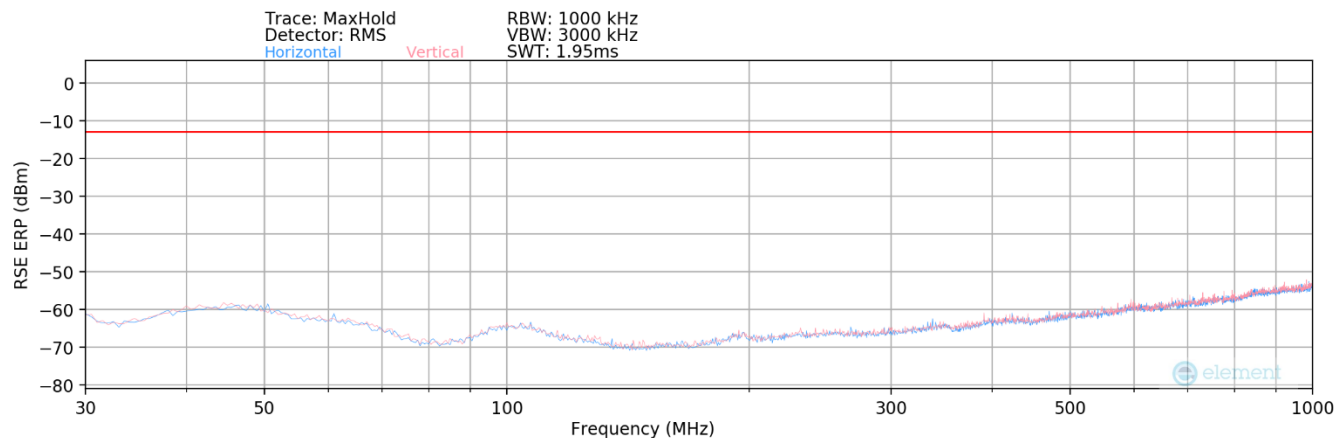
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 53

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	V	-	-	-71.99	-2.23	32.78	-62.47	-13.00	-49.47
2064.00	V	247	338	-65.41	1.18	42.77	-52.49	-13.00	-39.49
2752.00	V	-	-	-74.32	3.44	36.12	-59.13	-13.00	-46.13
3440.00	V	-	-	-74.33	4.59	37.26	-57.99	-13.00	-44.99
4128.00	V	-	-	-76.77	5.97	36.20	-59.05	-13.00	-46.05

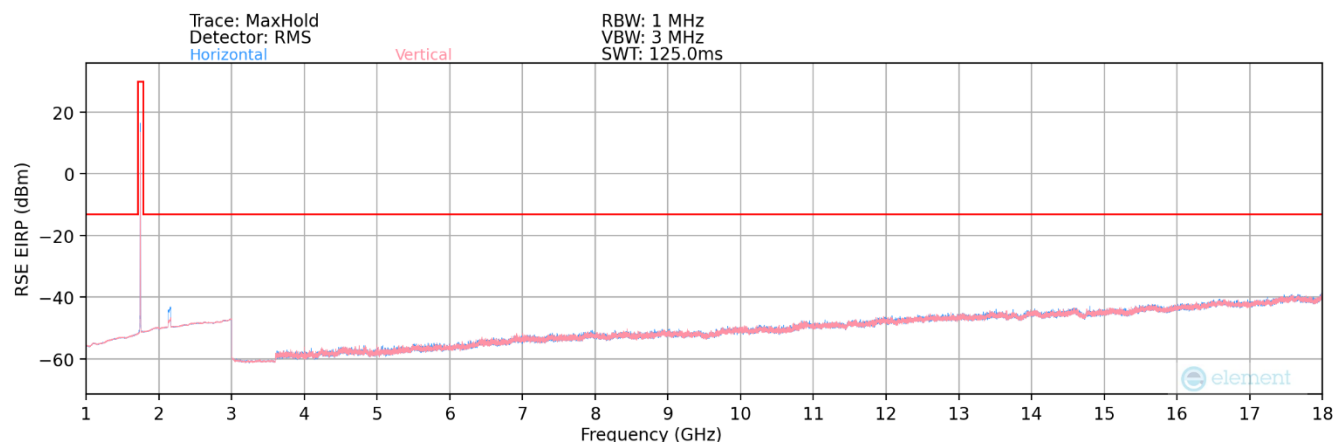
Table 7-74. Radiated Spurious Data (NR Band n71 – High Channel) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 215 of 235

NR Band n66 – Ant2



Plot 7-267. Radiated Spurious Plot (NR Band n66) – Ant2



Plot 7-268. Radiated Spurious Plot (NR Band n66) – 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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
872.50	H	-	-	-76.28	-0.95	29.77	-67.64	-13.00	-54.64

Table 7-75. Radiated Spurious Data (NR Band n66) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset			Page 216 of 235	

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	-	-	-73.53	5.32	38.79	-56.47	-13.00	-43.47
5190.00	H	181	120	-75.31	7.43	39.12	-56.14	-13.00	-43.14
6920.00	H	-	-	-77.85	12.18	41.33	-53.93	-13.00	-40.93
8650.00	H	-	-	-78.82	13.40	41.58	-53.68	-13.00	-40.68
10380.00	H	-	-	-78.77	16.29	44.52	-50.73	-13.00	-37.73

Table 7-76. 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	-	-	-74.21	5.47	38.26	-56.99	-13.00	-43.99
5235.00	H	-	-	-76.96	7.46	37.50	-57.75	-13.00	-44.75
6980.00	H	-	-	-76.95	11.60	41.65	-53.61	-13.00	-40.61

Table 7-77. Radiated Spurious Data (NR Band n66 – Mid Channel) – Ant2

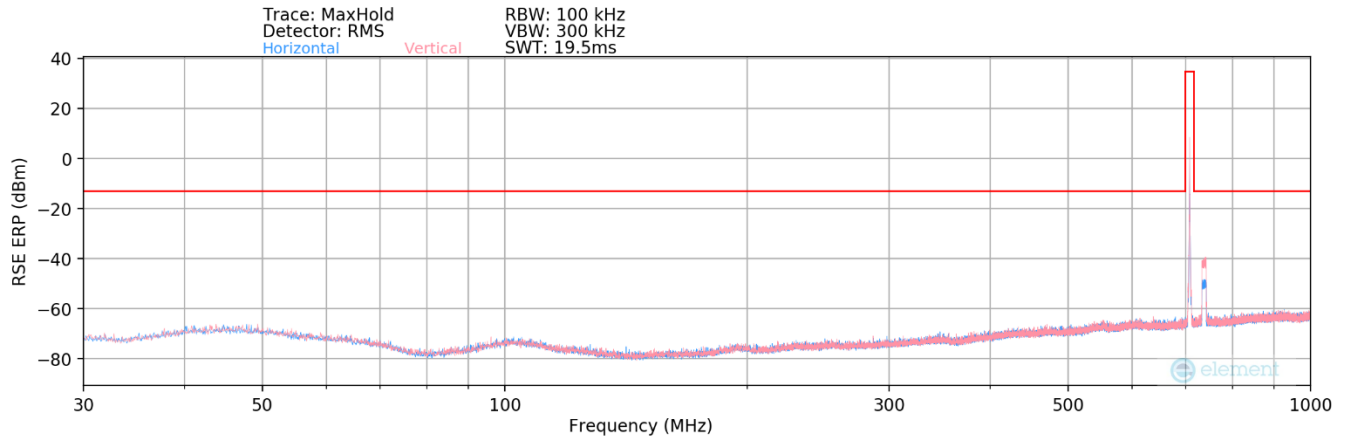
Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 108

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	-	-	-72.92	5.40	39.48	-55.77	-13.00	-42.77
5280.00	H	-	-	-76.73	7.38	37.65	-57.61	-13.00	-44.61
7040.00	H	-	-	-77.58	11.98	41.40	-53.86	-13.00	-40.86

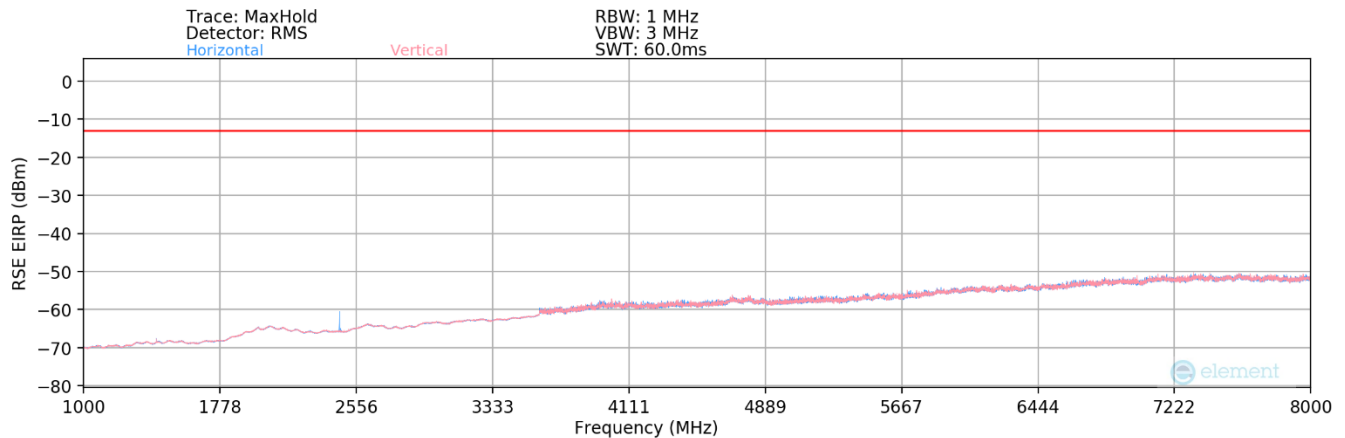
Table 7-78. Radiated Spurious Data (NR Band n66 – High Channel) – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 217 of 235

LTE Band 12/17 – Ant3



Plot 7-269. Radiated Spurious Plot (LTE Band 12/17) – Ant3



Plot 7-270. Radiated Spurious Plot (LTE Band 12/17) – Ant3

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
353.50	H	-	-	-73.70	-9.64	23.66	-73.75	-13.00	-60.75

Table 7-79. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset			Page 218 of 235	

Bandwidth (MHz):	10
Frequency (MHz):	704
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.00	H	218	325	-66.98	-10.88	29.14	-66.12	-13.00	-53.12
2112.00	H	148	168	-68.12	-6.94	31.94	-63.32	-13.00	-50.32
2816.00	H	-	-	-73.58	-6.22	27.20	-68.05	-13.00	-55.05
3520.00	H	-	-	-73.84	-4.74	28.42	-66.84	-13.00	-53.84
4224.00	H	-	-	-75.45	-2.51	29.04	-66.22	-13.00	-53.22

Table 7-80. Radiated Spurious Data (LTE Band 12/17 – Low Channel) – Ant3

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	153	336	-66.75	-10.85	29.40	-65.86	-13.00	-52.86
2122.50	H	178	220	-69.56	-7.02	30.42	-64.83	-13.00	-51.83
2830.00	H	-	-	-73.37	-6.24	27.39	-67.87	-13.00	-54.87
3537.50	H	-	-	-73.42	-4.63	28.95	-66.31	-13.00	-53.31
4245.00	H	-	-	-74.87	-2.63	29.50	-65.75	-13.00	-52.75

Table 7-81. Radiated Spurious Data (LTE Band 12/17 – Mid Channel) – Ant3

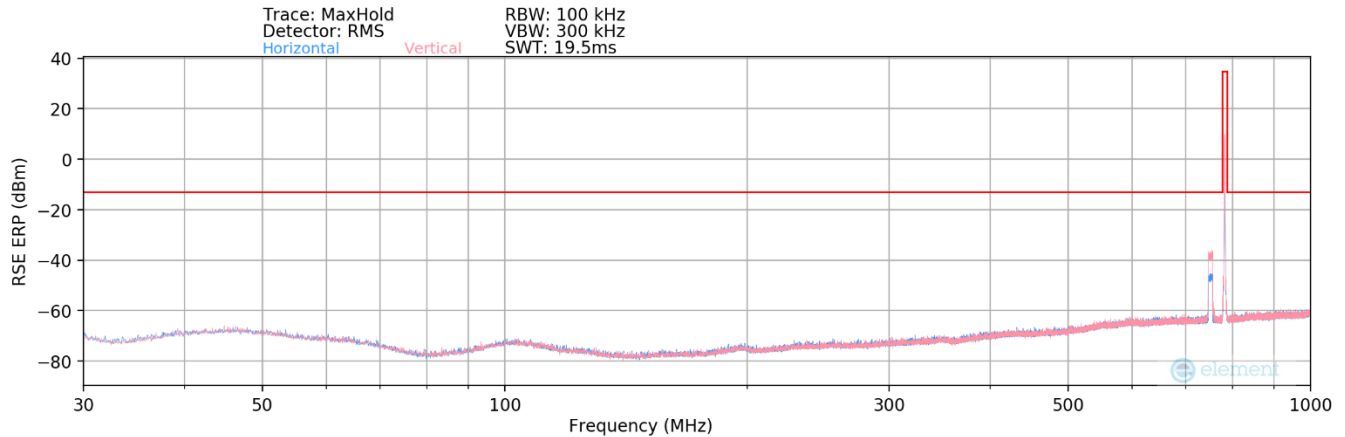
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	H	147	334	-65.85	-10.79	30.36	-64.90	-13.00	-51.90
2133.00	H	180	178	-67.95	-7.08	31.97	-63.29	-13.00	-50.29
2844.00	H	-	-	-73.06	-6.24	27.70	-67.56	-13.00	-54.56
3555.00	H	-	-	-73.72	-4.43	28.85	-66.41	-13.00	-53.41
4266.00	H	-	-	-75.41	-2.61	28.98	-66.28	-13.00	-53.28

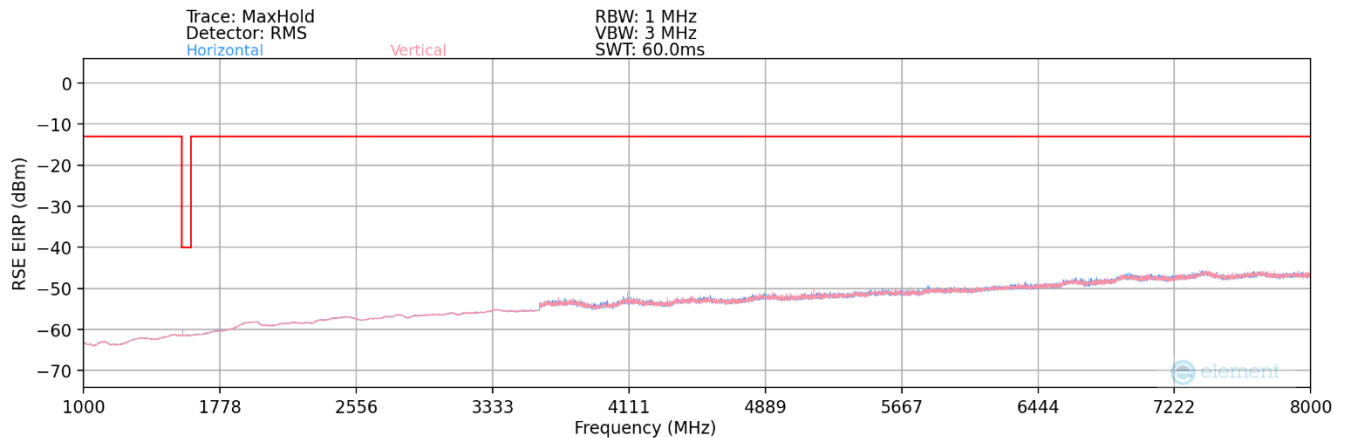
Table 7-82. Radiated Spurious Data (LTE Band 12/17 – High Channel) – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant3



Plot 7-271. Radiated Spurious Plot (LTE Band 13) – Ant3



Plot 7-272. Radiated Spurious Plot (LTE Band 13) – Ant3

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]
391.00	H	-	-	-72.62	-8.75	25.63	-71.78	-13.00	-58.78

Table 7-83. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset		Page 220 of 235

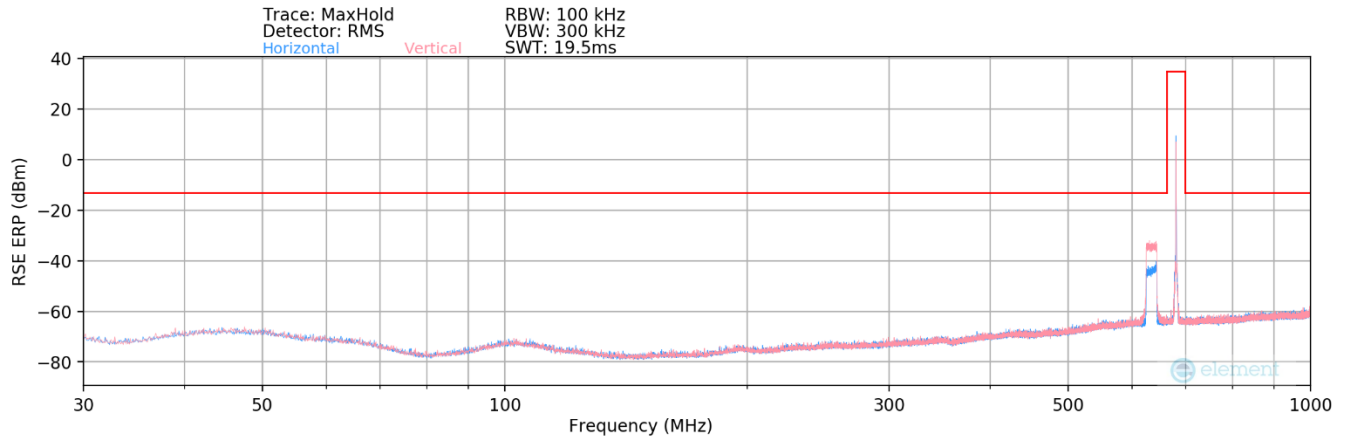
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

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	115	224	-67.11	-1.19	38.70	-56.56	-40.00	-16.56
2346.00	H	-	-	-72.32	2.54	37.22	-58.04	-13.00	-45.04
3128.00	H	-	-	-73.66	3.86	37.20	-58.06	-13.00	-45.06
3910.00	H	-	-	-75.77	4.67	35.90	-59.36	-13.00	-46.36

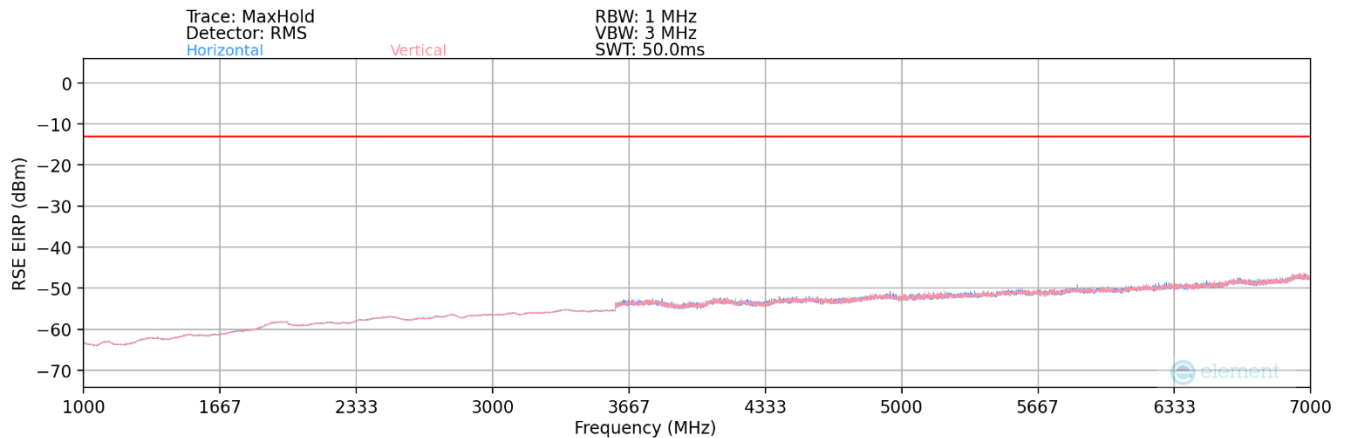
Table 7-84. Radiated Spurious Data (LTE Band 13) – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71 – Ant3



Plot 7-273. Radiated Spurious Plot (NR Band n71) – Ant3



Plot 7-274. Radiated Spurious Plot (NR Band n71) – Ant3

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]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
340.00	H	-	-	-72.69	-9.81	24.50	-72.90	-13.00	-59.90

Table 7-85. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant3

FCC ID: A3LSMF966B	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	182	159	-68.71	-2.01	36.28	-58.97	-13.00	-45.97
2019.00	H	-	-	-72.39	1.44	36.05	-59.21	-13.00	-46.21
2692.00	H	-	-	-73.32	3.06	36.74	-58.52	-13.00	-45.52
3365.00	H	-	-	-73.90	5.03	38.13	-57.13	-13.00	-44.13

Table 7-86. Radiated Spurious Data (NR Band n71 – Low Channel) – Ant3

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	261	52	-68.29	-2.10	36.61	-58.65	-13.00	-45.65
2041.50	H	-	-	-72.38	1.31	35.93	-59.33	-13.00	-46.33
2722.00	H	-	-	-73.18	3.47	37.29	-57.97	-13.00	-44.97
3402.50	H	-	-	-73.50	4.73	38.23	-57.03	-13.00	-44.03

Table 7-87. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant3

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	163	51	-69.59	-2.23	35.18	-60.07	-13.00	-47.07
2064.00	H	-	-	-72.56	1.18	35.62	-59.64	-13.00	-46.64
2752.00	H	-	-	-73.19	3.44	37.25	-58.00	-13.00	-45.00
3440.00	H	-	-	-73.40	4.59	38.19	-57.06	-13.00	-44.06

Table 7-88. Radiated Spurious Data (NR Band n71 – High Channel) – Ant3

FCC ID: A3LSMF966B	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

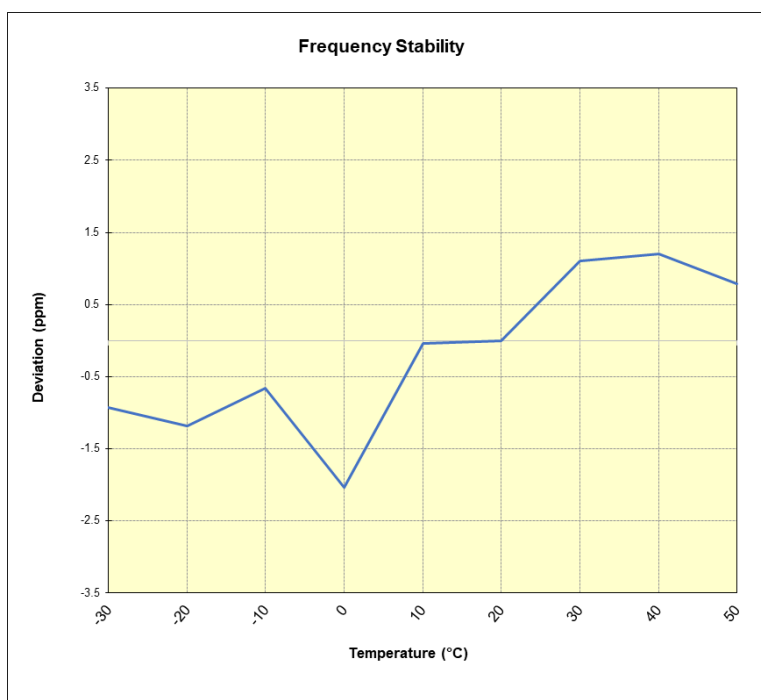
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12

Operating Frequency (Hz):	707,500,000
Ref. Voltage (VDC):	4.436
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.436	- 30	707,499,011	-652	-0.0000922
		- 20	707,498,826	-837	-0.0001183
		- 10	707,499,197	-466	-0.0000659
		0	707,498,223	-1,440	-0.0002035
		+ 10	707,499,632	-31	-0.0000044
		+ 20 (Ref)	707,499,663	0	0.0000000
		+ 30	707,500,448	785	0.0001110
		+ 40	707,500,512	849	0.0001200
		+ 50	707,500,225	562	0.0000794
Battery Endpoint	3.671	+ 20	707,501,333	1,670	0.0002360

Table 7-89. LTE Band 12/17 Frequency Stability Data



Plot 7-275. LTE Band 12/17 Frequency Stability Chart

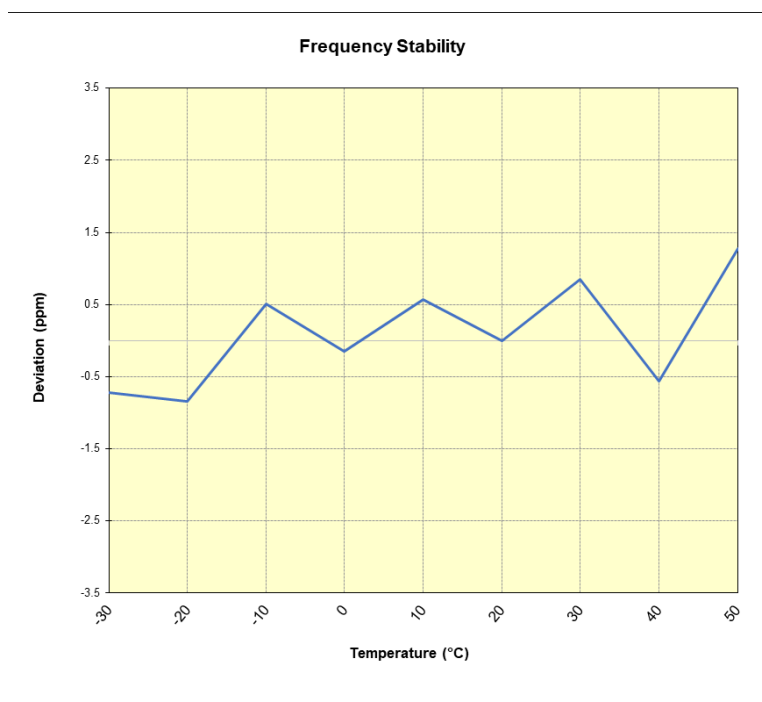
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13

Operating Frequency (Hz):	782,000,000
Ref. Voltage (VDC):	4.436
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.436	- 30	782,043,988	-568	-0.0000726
		- 20	782,043,901	-655	-0.0000838
		- 10	782,044,958	402	0.0000514
		0	782,044,444	-112	-0.0000143
		+ 10	782,045,006	450	0.0000575
		+ 20 (Ref)	782,044,556	0	0.0000000
		+ 30	782,045,223	667	0.0000853
		+ 40	782,044,118	-438	-0.0000560
		+ 50	782,045,552	996	0.0001274
Battery Endpoint	3.671	+ 20	782,044,566	10	0.0000013

Table 7-90. LTE Band 13 Frequency Stability Data



Plot 7-276. LTE Band 13 Frequency Stability Chart

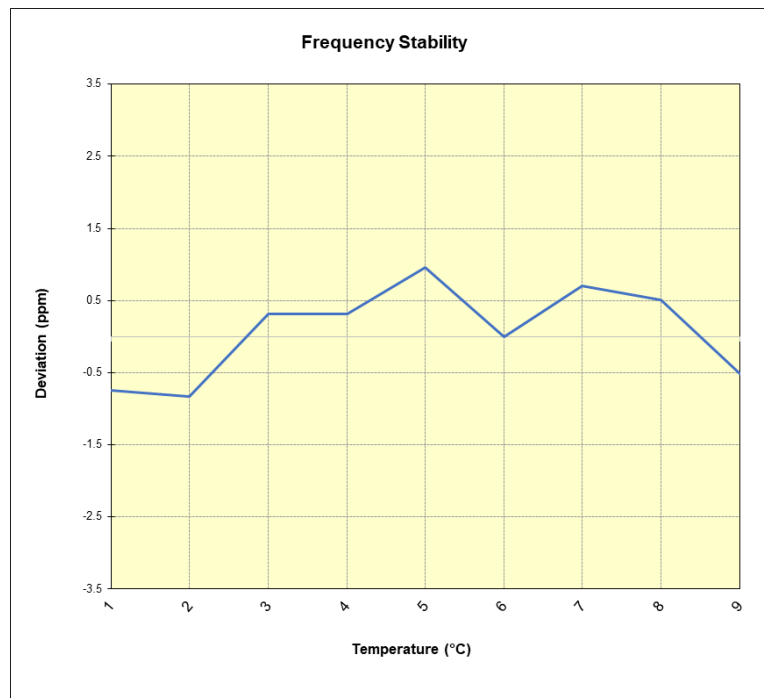
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4

Operating Frequency (Hz):	1,745,000,000
Ref. Voltage (VDC):	4.436
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.436	- 30	1,745,011,152	-1,294	-0.0000742
		- 20	1,745,010,998	-1,448	-0.0000830
		- 10	1,745,012,996	550	0.0000315
		0	1,745,013,004	558	0.0000320
		+ 10	1,745,014,111	1,665	0.0000954
		+ 20 (Ref)	1,745,012,446	0	0.0000000
		+ 30	1,745,013,669	1,223	0.0000701
		+ 40	1,745,013,329	883	0.0000506
		+ 50	1,745,011,556	-890	-0.0000510
Battery Endpoint	3.671	+ 20	1,745,011,999	-447	-0.0000256

Table 7-91. LTE Band 66/4 Frequency Stability Data



Plot 7-277. LTE Band 66/4 Frequency Stability Chart

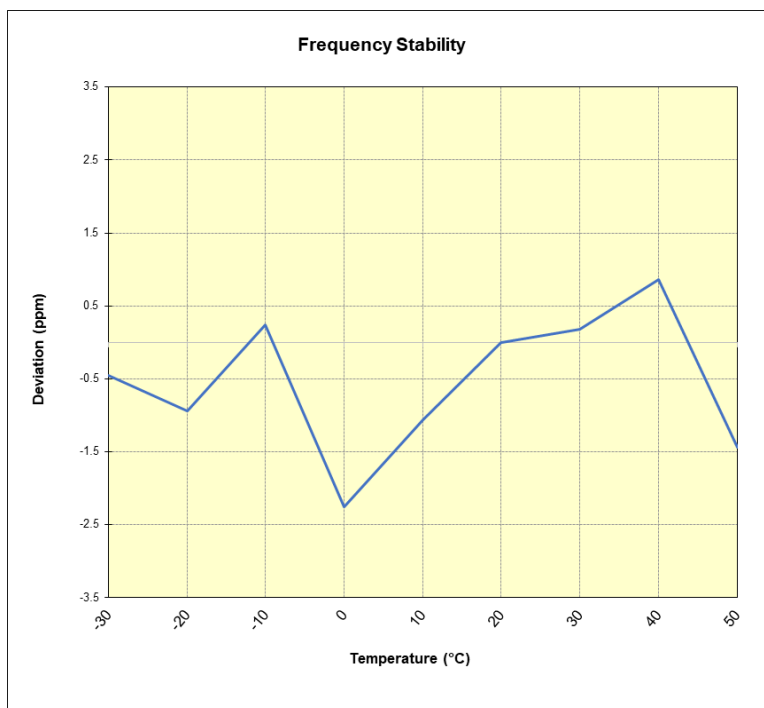
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71

Operating Frequency (Hz):	680,500,000
Ref. Voltage (VDC):	4.436
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.436	- 30	680,599,663	-312	-0.0000458
		- 20	680,599,332	-643	-0.0000944
		- 10	680,600,141	166	0.0000244
		0	680,598,445	-1,530	-0.0002248
		+ 10	680,599,249	-726	-0.0001066
		+ 20 (Ref)	680,599,975	0	0.0000000
		+ 30	680,600,100	125	0.0000184
		+ 40	680,600,557	582	0.0000855
		+ 50	680,598,993	-982	-0.0001442
Battery Endpoint	3.671	+ 20	680,599,560	-415	-0.0000609

Table 7-92. NR Band n71 Frequency Stability Data



Plot 7-278. NR Band n71 Frequency Stability Chart

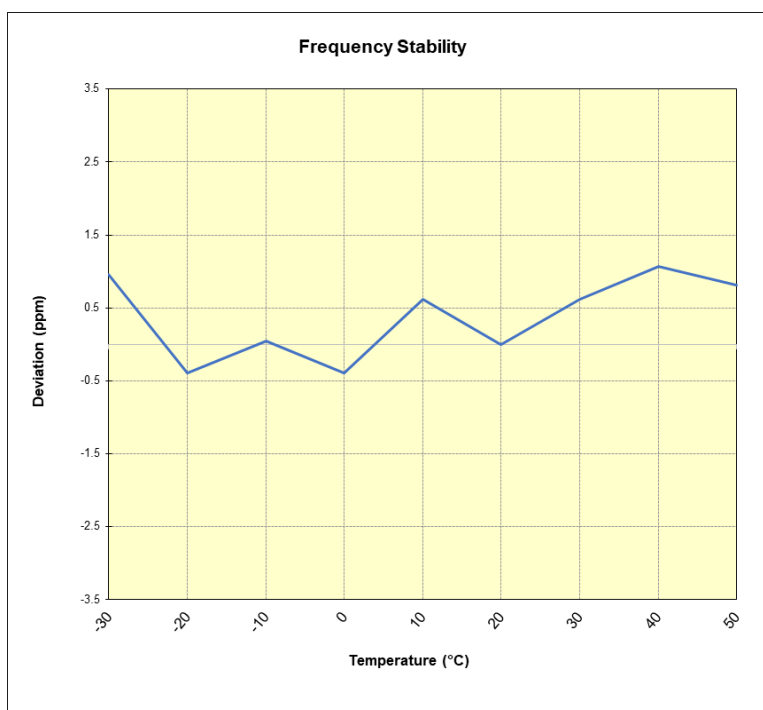
FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66

Operating Frequency (Hz):	1,745,000,000
Ref. Voltage (VDC):	4.436
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.436	- 30	1,745,999,911	1,667	0.0000955
		- 20	1,745,997,556	-688	-0.0000394
		- 10	1,745,998,334	90	0.0000052
		0	1,745,997,556	-688	-0.0000394
		+ 10	1,745,999,322	1,078	0.0000617
		+ 20 (Ref)	1,745,998,244	0	0.0000000
		+ 30	1,745,999,330	1,086	0.0000622
		+ 40	1,746,000,111	1,867	0.0001069
		+ 50	1,745,999,665	1,421	0.0000814
Battery Endpoint	3.671	+ 20	1,745,998,897	653	0.0000374

Table 7-93. NR Band n66 Frequency Stability Data



Plot 7-279. 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: A3LSMF966B** complies with all the requirements of Part 27 of the FCC rules. The data referenced from FCC ID: A3LSMF966U (Model SM-F966U) included in this report have been reviewed and are deemed acceptable to support the compliance of **FCC ID: A3LSMF966B**.

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9.0 APPENDIX A – DATA REFERENCING RESULTS

Overview

The spot-check data presented in this section was measured on the variant model following the guidance of the FCC's Data Referencing guidance in KDB 484596 D01 v03. Each spot-check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device. For the worst-case RSE data, the measurement is determined by an actual emission and not by noise floor.

All test cases were performed to verify the variant EUT is still in compliance with the spot-checked results to the reference device and was performed using the guidance of ANSI C63.10-2013.

Notes

1. Each spot check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device.
2. Data pertaining to the operation of NR Bands n66 and n71 was fully tested in cases where a target Output Power adjustment between the referenced and variant model caused the referenced data to fall out of tolerance with the variants targeted Output Power. All the other data in this report was referenced for compliance.

Conducted Spot-Checks – SM-F966B/DS

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
5 MHz	QPSK	23205	779.5	1 / 12	25.16

Table 9-1. Conducted Output Power Measurements LTE Band 13 (Spot-check)

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
1.4 MHz	QPSK	23017	699.7	1 / 0	23.77

Table 9-2. Conducted Output Power Measurements LTE Band 12/17 (Spot-check)

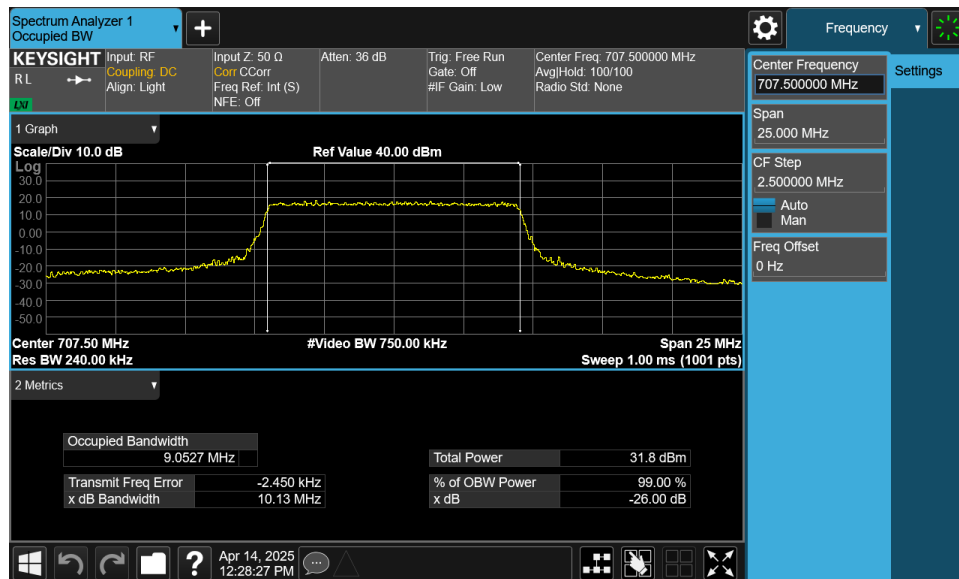
Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
3 MHz	QPSK	131987	1711.5	1 / 0	25.64

Table 9-3. Conducted Output Power Measurements LTE Band 66/4 (Spot-check)

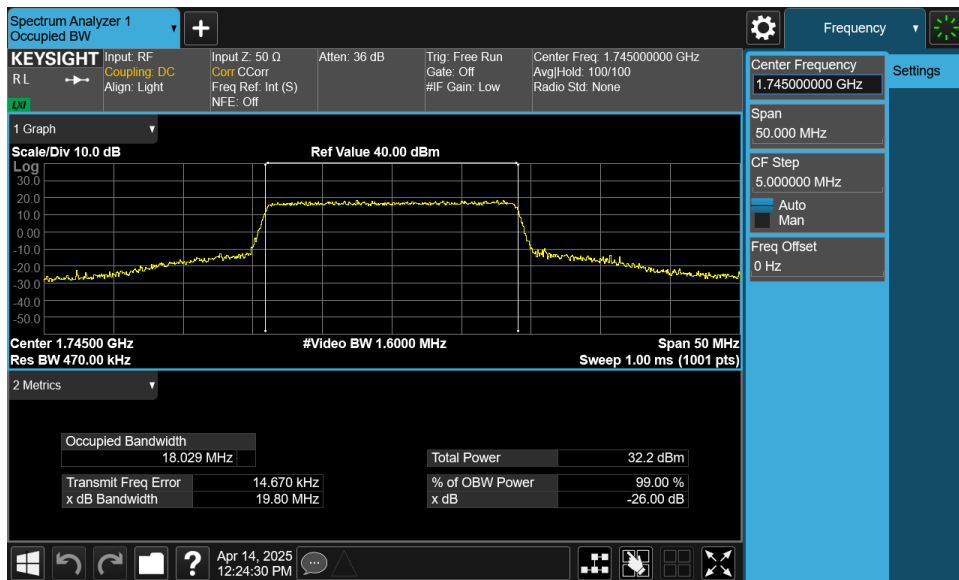
Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
25 MHz	π/2 BPSK	135100	675.5	1 / 1	24.46

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Table 9-4. Conducted Output Power Measurements NR Band n71 (Spot-check)



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Radiated Spot-Checks – SM-F966B/DS

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	779.50	H	235	214	1.11	1 / 12	21.41	-14.47	20.37	0.109	34.77	-14.40

Table 9-5. ERP Measurements LTE Band 13 (Spot-check)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	713.50	H	129	315	1.19	1 / 24	18.80	-17.00	17.84	0.061	34.77	-16.93

Table 9-6. ERP Measurements LTE Band 12/17 (Spot-check)

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	1770.00	H	125	143	2.79	1 / 50	19.90	22.69	0.186	30.00	-7.31

Table 9-7. EIRP Measurements LTE Band 66/4 (Spot-check)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
25 MHz	QPSK	675.5	H	140	327	0.69	1 / 1	19.53	18.07	0.064	34.77	-16.71

Table 9-8. EIRP Measurements NR Band n71 (Spot-check)

Bandwidth (MHz):	5
Frequency (MHz):	779.5
RB / Offset:	1 / 12

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]
1559.00	H	213	294	-66.99	-0.90	39.11	-56.15	-13.00	-43.15

Table 9-9. Radiated Spurious Measurements LTE Band 13 (Spot-check)

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]
2122.50	V	227	69	-74.39	2.82	35.43	-59.83	-13.00	-46.83

Table 9-10. Radiated Spurious Measurements LTE Band 12/17 (Spot-check)

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]
5160.00	H	387	343	-65.23	3.24	45.01	-50.25	-13.00	-37.25

Table 9-11. Radiated Spurious Measurements LTE Band 66/4 (Spot-check)

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT										Approved by: Technical Manager	
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset									Page 234 of 235	

Bandwidth (MHz):	35
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	V	176	116	-69.88	-2.10	35.02	-60.24	-13.00	-47.24

Table 9-12. Radiated Spurious Measurements NR Band n71 (Spot-check)

Results

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-F966U	Variant Model: SM-F966B	Deviation (dB)	Max Deviation (dB)	Pass/Fail
27	Conducted Output Power	Low Ch. 23205, 5MHz, QPSK, AntA	dBm	N/A	25.19	25.16	-0.03	1	PASS
	Occupied Bandwidth	Mid Ch. 23230, 10MHz, 16QAM, AntE	MHz	N/A	9.05	9.02	-	N/A	PASS
	ERP	Low Ch. 23205, 5MHz, QPSK, AntA	dBm	34.77	19.56	20.37	0.81	3	PASS
	RSE	Mid Ch. 23230, 10MHz, 16QAM, AntA+AntC	dBm	-13	-55.95	-56.15	-0.20	3	PASS

Table 9-13. Summary of Spot-checks – LTE Band 13

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-F966U	Variant Model: SM-F966B	Deviation (dB)	Max Deviation (dB)	Pass/Fail
27	Conducted Output Power	Low Ch. 23017, 1.4MHz, QPSK, AntE	dBm	N/A	24.69	23.76	-0.93	1	PASS
	Occupied Bandwidth	Mid Ch. 23095, 10MHz, 16QAM, AntE	MHz	N/A	9.05	9.05	-	N/A	PASS
	ERP	High Ch. 23155, 5MHz, QPSK, AntA	dBm	34.77	19.33	17.84	-1.49	3	PASS
	RSE	Mid Ch. 23095, 10MHz, QPSK, AntE	dBm	-13	-58.04	-59.83	-1.79	3	PASS

Table 9-14. Summary of Spot-checks – LTE Band 12

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-F966U	Variant Model: SM-F966B	Deviation (dB)	Max Deviation (dB)	Pass/Fail
27	Conducted Output Power	Low Ch. 131987, 3MHz, QPSK, AntG	dBm	N/A	25.48	25.64	0.16	1	PASS
	Occupied Bandwidth	Mid Ch. 132322, 20MHz, 16QAM, AntB	MHz	N/A	18.06	18.02	-	N/A	PASS
	EIRP	High Ch. 132572, 20MHz, QPSK, AntB	dBm	30	24.65	22.69	-1.96	3	PASS
	RSE	Low Ch. 132072, 20MHz, QPSK, AntG	dBm	-13	-50.76	-50.25	0.51	3	PASS

Table 9-15. Summary of Spot-checks – LTE Band 66/4

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-F966U	Variant Model: SM-F966B	Deviation (dB)	Max Deviation (dB)	Pass/Fail
27	Conducted Output Power	Low Ch. 135100, 25MHz, QPSK, AntA	dBm	N/A	24.52	24.46	-0.06	1	PASS
	Occupied Bandwidth	Mid Ch. 136100, 35MHz, QPSK, AntA	MHz	N/A	32.37	32.21	-	N/A	PASS
	ERP	Low Ch. 135100, 25MHz, QPSK, AntA+AntC	dBm	34.77	18.09	17.84	-0.25	3	PASS
	RSE	Mid Ch. 136100, 35MHz, QPSK, AntA+AntC	dBm	-13	-60.68	-60.24	0.44	3	PASS

Table 9-16. Summary of Spot-checks – NR Band n71

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-03.A3L	Test Dates: 2/24/2025 – 05/05/2025	EUT Type: Portable Handset	Page 235 of 235