

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
20 MHz	QPSK	673.00	H	143	256	0.69	1 / 50	20.70	21.39	0.138	36.99	-15.60	19.24	0.084	34.77	-15.53
	QPSK	680.50	H	139	253	0.81	1 / 99	20.69	21.50	0.141	36.99	-15.49	19.35	0.086	34.77	-15.42
	QPSK	688.00	H	143	250	0.93	1 / 99	20.96	21.89	0.155	36.99	-15.10	19.74	0.094	34.77	-15.03
	16-QAM	673.00	H	143	256	0.69	1 / 50	19.74	20.43	0.110	36.99	-16.56	18.28	0.067	34.77	-16.49
	16-QAM	680.50	H	139	253	0.81	1 / 99	19.86	20.67	0.117	36.99	-16.32	18.52	0.071	34.77	-16.25
	16-QAM	688.00	H	143	250	0.93	1 / 99	20.04	20.97	0.125	36.99	-16.02	18.82	0.076	34.77	-15.95
15 MHz	QPSK	670.50	H	143	256	0.65	1 / 0	20.93	21.57	0.144	36.99	-15.42	19.42	0.088	34.77	-15.35
	QPSK	680.50	H	139	253	0.81	1 / 37	20.52	21.33	0.136	36.99	-15.66	19.18	0.083	34.77	-15.59
	QPSK	690.50	H	143	250	0.97	1 / 0	20.96	21.93	0.156	36.99	-15.06	19.78	0.095	34.77	-14.99
	16-QAM	670.50	H	143	256	0.65	1 / 0	19.72	20.37	0.109	36.99	-16.62	18.22	0.066	34.77	-16.55
	16-QAM	680.50	H	139	253	0.81	1 / 37	19.50	20.31	0.107	36.99	-16.68	18.16	0.066	34.77	-16.61
	16-QAM	690.50	H	143	250	0.97	1 / 0	19.65	20.62	0.115	36.99	-16.37	18.47	0.070	34.77	-16.30
10 MHz	QPSK	668.00	H	143	256	0.61	1 / 25	20.97	21.58	0.144	36.99	-15.41	19.43	0.088	34.77	-15.35
	QPSK	680.50	H	139	253	0.81	1 / 25	20.49	21.30	0.135	36.99	-15.69	19.15	0.082	34.77	-15.63
	QPSK	693.00	H	143	250	1.01	1 / 0	20.77	21.78	0.151	36.99	-15.21	19.63	0.092	34.77	-15.14
	16-QAM	668.00	H	143	256	0.61	1 / 25	19.67	20.27	0.106	36.99	-16.72	18.12	0.065	34.77	-16.65
	16-QAM	680.50	H	139	253	0.81	1 / 25	19.31	20.12	0.103	36.99	-16.87	17.97	0.063	34.77	-16.80
	16-QAM	693.00	H	143	250	1.01	1 / 0	19.44	20.45	0.111	36.99	-16.54	18.30	0.068	34.77	-16.47
5 MHz	QPSK	665.50	H	143	256	0.57	1 / 24	20.89	21.45	0.140	36.99	-15.54	19.30	0.085	34.77	-15.47
	QPSK	680.50	H	139	253	0.81	1 / 0	20.90	21.71	0.148	36.99	-15.28	19.56	0.090	34.77	-15.21
	QPSK	695.50	H	143	250	1.05	1 / 0	21.08	22.13	0.163	36.99	-14.86	19.98	0.099	34.77	-14.79
	16-QAM	665.50	H	143	256	0.57	1 / 24	19.75	20.31	0.107	36.99	-16.68	18.16	0.066	34.77	-16.61
	16-QAM	680.50	H	139	253	0.81	1 / 0	19.67	20.48	0.112	36.99	-16.51	18.33	0.068	34.77	-16.44
	16-QAM	695.50	H	143	250	1.05	1 / 0	20.12	21.17	0.131	36.99	-15.82	19.02	0.080	34.77	-15.75
20 MHz	Opposite Pol.	688.00	V	178	222	0.71	1 / 0	20.01	20.72	0.118	36.99	-16.27	18.57	0.072	34.77	-16.20
	WCP	688.00	H	139	261	0.81	1 / 99	20.22	21.03	0.127	36.99	-15.96	18.88	0.077	34.77	-15.89

Table 7-32. ERP Data (LTE Band 71) – Ant2

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
10 MHz	QPSK	704.00	H	133	174	1.12	1 / 25	17.65	18.77	0.075	36.99	-18.22	16.62	0.046	34.77	-18.15
	QPSK	707.50	H	133	172	1.14	1 / 0	17.98	19.12	0.082	36.99	-17.86	16.97	0.050	34.77	-17.80
	QPSK	711.00	H	133	170	1.17	1 / 0	17.91	19.08	0.081	36.99	-17.91	16.93	0.049	34.77	-17.84
	16-QAM	704.00	H	133	174	1.12	1 / 25	16.95	18.07	0.064	36.99	-18.92	15.92	0.039	34.77	-18.85
	16-QAM	707.50	H	133	172	1.14	1 / 0	17.15	18.29	0.068	36.99	-18.69	16.14	0.041	34.77	-18.63
	16-QAM	711.00	H	133	170	1.17	1 / 0	17.05	18.22	0.066	36.99	-18.77	16.07	0.040	34.77	-18.70
5 MHz	QPSK	701.50	H	133	174	1.10	1 / 0	17.96	19.05	0.080	36.99	-17.94	16.90	0.049	34.77	-17.87
	QPSK	707.50	H	133	172	1.14	1 / 12	18.26	19.41	0.087	36.99	-17.58	17.26	0.053	34.77	-17.51
	QPSK	713.50	H	133	170	1.19	1 / 12	17.93	19.12	0.082	36.99	-17.87	16.97	0.050	34.77	-17.80
	16-QAM	701.50	H	133	174	1.10	1 / 0	17.20	18.30	0.068	36.99	-18.69	16.15	0.041	34.77	-18.62
	16-QAM	707.50	H	133	172	1.14	1 / 12	17.08	18.23	0.066	36.99	-18.76	16.08	0.041	34.77	-18.70
	16-QAM	713.50	H	133	170	1.19	1 / 12	17.12	18.31	0.068	36.99	-18.68	16.16	0.041	34.77	-18.61
3 MHz	QPSK	700.50	H	133	174	1.09	1 / 7	17.79	18.88	0.077	36.99	-18.11	16.73	0.047	34.77	-18.04
	QPSK	707.50	H	133	172	1.14	1 / 0	18.08	19.22	0.084	36.99	-17.77	17.07	0.051	34.77	-17.70
	QPSK	714.50	H	133	170	1.20	1 / 0	17.79	18.99	0.079	36.99	-18.00	16.84	0.048	34.77	-17.93
	16-QAM	700.50	H	133	174	1.09	1 / 7	17.30	18.39	0.069	36.99	-18.60	16.24	0.042	34.77	-18.53
	16-QAM	707.50	H	133	172	1.14	1 / 0	17.27	18.41	0.069	36.99	-18.58	16.26	0.042	34.77	-18.51
	16-QAM	714.50	H	133	170	1.20	1 / 0	17.30	18.50	0.071	36.99	-18.49	16.35	0.043	34.77	-18.42
1.4 MHz	QPSK	699.70	H	133	174	1.08	1 / 0	17.84	18.92	0.078	36.99	-18.07	16.77	0.048	34.77	-18.00
	QPSK	707.50	H	133	172	1.14	1 / 5	18.01	19.16	0.082	36.99	-17.83	17.01	0.050	34.77	-17.76
	QPSK	715.30	H	133	170	1.21	1 / 3	17.72	18.93	0.078	36.99	-18.06	16.78	0.048	34.77	-17.99
	16-QAM	699.70	H	133	174	1.08	1 / 0	17.29	18.37	0.069	36.99	-18.62	16.22	0.042	34.77	-18.55
	16-QAM	707.50	H	133	172	1.14	1 / 5	17.00	18.14	0.065	36.99	-18.85	15.99	0.040	34.77	-18.78
	16-QAM	715.30	H	133	170	1.21	1 / 3	17.08	18.29	0.067	36.99	-18.70	16.14	0.041	34.77	-18.63
10 MHz	Opposite Pol.	707.50	V	165	122	1.14	1 / 49	17.44	18.58	0.072	36.99	-18.40	16.43	0.044	34.77	-18.34
	WCP	707.50	H	257	161	1.16	1 / 49	17.55	18.71	0.074	36.99	-18.28	16.56	0.045	34.77	-18.21

Table 7-33. ERP Data (LTE Band 12) – 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	237	63	1.09	1 / 0	17.83	18.92	0.078	36.99	-18.07	16.77	0.047	34.77	-18.01
	16-QAM	782.00	H	237	63	1.09	1 / 0	17.04	18.13	0.065	36.99	-18.86	15.98	0.040	34.77	-18.80
5 MHz	QPSK	779.50	H	237	63	1.11	1 / 0	18.28	19.39	0.087	36.99	-17.60	17.24	0.053	34.77	-17.54
	QPSK	782.00	H	237	63	1.09	1 / 0	17.72	18.81	0.076	36.99	-18.18	16.66	0.046	34.77	-18.11
	QPSK	784.50	H	237	63	1.06	1 / 24	17.69	18.75	0.075	36.99	-18.24	16.60	0.046	34.77	-18.17
	16-QAM	779.50	H	237	63	1.11	1 / 0	17.48	18.59	0.072	36.99	-18.40	16.44	0.044	34.77	-18.33
	16-QAM	782.00	H	237	63	1.09	1 / 0	17.07	18.16	0.065	36.99	-18.83	16.01	0.040	34.77	-18.76
	16-QAM	784.50	H	237	63	1.06	1 / 24	17.33	18.40	0.069	36.99	-18.59	16.25	0.042	34.77	-18.53
10 MHz	Opposite Pol.	782.00	V	155	90	0.89	1 / 0	17.29	18.18	0.066	36.99	-18.81	16.03	0.040	34.77	-18.74
	WCP	782.00	H	21	76	1.09	1 / 0	15.70	16.79	0.048	36.99	-20.20	14.64	0.029	34.77	-20.14

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

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT										Approved by: Technical Manager	
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset									Page 240 of 291	

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	680.50	H	143	243	0.81	1 / 1	20.46	21.27	0.134	36.99	-15.72	19.12	0.082	34.77	-15.65
	QPSK	680.50	H	143	243	0.81	1 / 1	20.23	21.04	0.127	36.99	-15.95	18.89	0.077	34.77	-15.88
	16-QAM	680.50	H	143	243	0.81	1 / 1	18.86	19.67	0.093	36.99	-17.32	17.52	0.056	34.77	-17.25
30 MHz	$\pi/2$ BPSK	678.00	H	143	243	0.77	1 / 1	19.94	20.71	0.118	36.99	-16.28	18.56	0.072	34.77	-16.21
	$\pi/2$ BPSK	680.50	H	143	243	0.81	1 / 1	20.25	21.06	0.128	36.99	-15.93	18.91	0.078	34.77	-15.86
	$\pi/2$ BPSK	683.00	H	137	243	0.85	1 / 1	20.84	21.69	0.148	36.99	-15.30	19.54	0.090	34.77	-15.23
	QPSK	678.00	H	140	245	0.77	1 / 1	19.85	20.62	0.115	36.99	-16.37	18.47	0.070	34.77	-16.30
	QPSK	680.50	H	143	243	0.81	1 / 1	20.30	21.11	0.129	36.99	-15.88	18.96	0.079	34.77	-15.81
	QPSK	683.00	H	137	243	0.85	1 / 1	20.66	21.51	0.142	36.99	-15.48	19.36	0.086	34.77	-15.41
25 MHz	16-QAM	683.00	H	137	243	0.85	1 / 1	19.56	20.41	0.110	36.99	-16.58	18.26	0.067	34.77	-16.51
	$\pi/2$ BPSK	675.50	H	143	243	0.73	1 / 1	20.11	20.84	0.121	36.99	-16.15	18.69	0.074	34.77	-16.08
	$\pi/2$ BPSK	680.50	H	143	243	0.81	1 / 1	20.28	21.09	0.129	36.99	-15.90	18.94	0.078	34.77	-15.83
	$\pi/2$ BPSK	685.50	H	137	243	0.89	1 / 1	20.76	21.65	0.146	36.99	-15.34	19.50	0.089	34.77	-15.27
	QPSK	675.50	H	140	245	0.73	1 / 1	20.01	20.74	0.119	36.99	-16.25	18.59	0.072	34.77	-16.18
	QPSK	680.50	H	143	243	0.81	1 / 1	20.27	21.08	0.128	36.99	-15.91	18.93	0.078	34.77	-15.84
20 MHz	QPSK	685.50	H	137	243	0.89	1 / 1	20.74	21.63	0.146	36.99	-15.36	19.48	0.089	34.77	-15.29
	16-QAM	685.50	H	137	243	0.89	1 / 26	19.42	20.31	0.107	36.99	-16.68	18.16	0.065	34.77	-16.61
	$\pi/2$ BPSK	673.00	H	143	243	0.69	1 / 53	20.04	20.73	0.118	36.99	-16.26	18.58	0.072	34.77	-16.19
	$\pi/2$ BPSK	680.50	H	143	243	0.81	1 / 104	20.19	21.00	0.126	36.99	-15.99	18.85	0.077	34.77	-15.92
	$\pi/2$ BPSK	688.00	H	137	243	0.93	1 / 104	20.54	21.47	0.140	36.99	-15.52	19.32	0.086	34.77	-15.45
	QPSK	673.00	H	140	245	0.69	1 / 53	20.27	20.96	0.125	36.99	-16.03	18.81	0.076	34.77	-15.96
15 MHz	QPSK	680.50	H	143	243	0.81	1 / 104	20.19	21.00	0.126	36.99	-15.99	18.85	0.077	34.77	-15.92
	QPSK	688.00	H	137	243	0.93	1 / 104	20.53	21.46	0.140	36.99	-15.53	19.31	0.085	34.77	-15.46
	16-QAM	688.00	H	137	243	0.93	1 / 104	19.34	20.27	0.106	36.99	-16.72	18.12	0.065	34.77	-16.65
	$\pi/2$ BPSK	670.50	H	143	243	0.65	1 / 39	19.82	20.47	0.111	36.99	-16.52	18.32	0.068	34.77	-16.45
	$\pi/2$ BPSK	680.50	H	143	243	0.81	1 / 1	20.16	20.97	0.125	36.99	-16.02	18.82	0.076	34.77	-15.95
	$\pi/2$ BPSK	690.50	H	143	243	0.97	1 / 1	20.54	21.51	0.142	36.99	-15.48	19.36	0.086	34.77	-15.41
10 MHz	QPSK	670.50	H	143	243	0.65	1 / 1	20.34	20.99	0.126	36.99	-16.00	18.84	0.077	34.77	-15.93
	QPSK	680.50	H	143	243	0.81	1 / 1	20.22	21.03	0.127	36.99	-15.96	18.88	0.077	34.77	-15.89
	QPSK	690.50	H	143	243	0.97	1 / 1	20.51	21.48	0.141	36.99	-15.51	19.33	0.086	34.77	-15.44
	16-QAM	690.50	H	143	243	0.97	1 / 1	19.37	20.34	0.108	36.99	-16.65	18.19	0.066	34.77	-16.58
	$\pi/2$ BPSK	668.00	H	143	243	0.61	1 / 1	20.18	20.79	0.120	36.99	-16.20	18.64	0.073	34.77	-16.13
	$\pi/2$ BPSK	680.50	H	143	243	0.81	1 / 1	20.18	20.99	0.126	36.99	-16.00	18.84	0.077	34.77	-15.93
5 MHz	$\pi/2$ BPSK	693.00	H	143	243	1.01	1 / 1	20.40	21.41	0.138	36.99	-15.58	19.26	0.084	34.77	-15.51
	QPSK	668.00	H	143	243	0.61	1 / 1	20.02	20.63	0.116	36.99	-16.36	18.48	0.070	34.77	-16.29
	QPSK	680.50	H	143	243	0.81	1 / 1	20.13	20.94	0.124	36.99	-16.05	18.79	0.076	34.77	-15.98
	QPSK	693.00	H	143	243	1.01	1 / 1	20.31	21.32	0.136	36.99	-15.67	19.17	0.083	34.77	-15.60
	16-QAM	693.00	H	143	243	1.01	1 / 26	19.03	20.04	0.101	36.99	-16.95	17.89	0.062	34.77	-16.88
	$\pi/2$ BPSK	665.50	H	143	243	0.57	1 / 1	19.84	20.41	0.110	36.99	-16.58	18.26	0.067	34.77	-16.51
20 MHz	$\pi/2$ BPSK	680.50	H	143	243	0.81	1 / 1	20.36	21.17	0.131	36.99	-15.82	19.02	0.080	34.77	-15.75
	$\pi/2$ BPSK	695.50	H	143	243	1.05	1 / 1	20.56	21.61	0.145	36.99	-15.38	19.46	0.088	34.77	-15.31
	QPSK	665.50	H	143	243	0.57	1 / 1	19.86	20.43	0.110	36.99	-16.56	18.28	0.067	34.77	-16.49
	QPSK	680.50	H	143	243	0.81	1 / 1	20.35	21.16	0.131	36.99	-15.83	19.01	0.080	34.77	-15.76
	QPSK	695.50	H	143	243	1.05	1 / 1	20.47	21.52	0.142	36.99	-15.47	19.37	0.087	34.77	-15.40
	16-QAM	695.50	H	143	243	1.05	1 / 1	19.20	20.25	0.106	36.99	-16.74	18.10	0.065	34.77	-16.67
20 MHz	QPSK (CP-OFDM)	688.00	H	137	243	0.93	1 / 104	19.09	20.02	0.100	36.99	-16.97	17.87	0.061	34.77	-16.90
	QPSK (Opposite Pol.)	688.00	V	156	230	0.93	1 / 104	19.57	20.50	0.112	36.99	-16.49	18.35	0.068	34.77	-16.42
	QPSK (WCP)	688.00	H	121	268	0.93	1 / 1	20.18	21.11	0.129	36.99	-15.88	18.96	0.079	34.77	-15.81

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

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 241 of 291

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]
15 MHz	$\pi/2$ BPSK	706.50	H	257	169	1.15	1 / 77	18.04	19.19	0.083	36.99	-17.80	17.04	0.051	34.77	-17.73
	$\pi/2$ BPSK	707.50	H	257	169	1.16	1 / 77	18.05	19.21	0.083	36.99	-17.78	17.06	0.051	34.77	-17.71
	$\pi/2$ BPSK	708.50	H	254	167	1.16	1 / 1	17.66	18.82	0.076	36.99	-18.17	16.67	0.046	34.77	-18.10
	QPSK	706.50	H	257	169	1.15	1 / 77	17.95	19.10	0.081	36.99	-17.89	16.95	0.050	34.77	-17.82
	QPSK	707.50	H	257	169	1.16	1 / 77	18.07	19.23	0.084	36.99	-17.76	17.08	0.051	34.77	-17.69
	QPSK	708.50	H	254	167	1.16	1 / 1	17.72	18.88	0.077	36.99	-18.11	16.73	0.047	34.77	-18.04
	16-QAM	706.50	H	257	169	1.15	1 / 77	16.84	17.99	0.063	36.99	-19.00	15.84	0.038	34.77	-18.93
	16-QAM	707.50	H	257	169	1.16	1 / 77	16.95	18.11	0.065	36.99	-18.88	15.96	0.039	34.77	-18.81
	16-QAM	708.50	H	254	167	1.16	1 / 1	16.35	17.51	0.056	36.99	-19.48	15.36	0.034	34.77	-19.41
	$\pi/2$ BPSK	704.00	H	257	169	1.14	1 / 26	18.05	19.19	0.083	36.99	-17.80	17.04	0.051	34.77	-17.73
10 MHz	$\pi/2$ BPSK	707.50	H	257	169	1.16	1 / 1	17.88	19.04	0.080	36.99	-17.95	16.89	0.049	34.77	-17.88
	$\pi/2$ BPSK	711.00	H	254	167	1.17	1 / 1	17.68	18.85	0.077	36.99	-18.14	16.70	0.047	34.77	-18.07
	QPSK	704.00	H	257	169	1.14	1 / 26	17.89	19.03	0.080	36.99	-17.96	16.88	0.049	34.77	-17.89
	QPSK	707.50	H	257	169	1.16	1 / 1	17.86	19.02	0.080	36.99	-17.97	16.87	0.049	34.77	-17.90
	QPSK	711.00	H	254	167	1.17	1 / 1	17.57	18.74	0.075	36.99	-18.25	16.59	0.046	34.77	-18.18
	16-QAM	704.00	H	257	169	1.14	1 / 26	16.82	17.96	0.063	36.99	-19.03	15.81	0.038	34.77	-18.96
	16-QAM	707.50	H	257	169	1.16	1 / 1	16.94	18.10	0.065	36.99	-18.89	15.95	0.039	34.77	-18.82
	16-QAM	711.00	H	254	167	1.17	1 / 1	16.19	17.36	0.054	36.99	-19.63	15.21	0.033	34.77	-19.56
	$\pi/2$ BPSK	701.50	H	257	169	1.13	1 / 23	18.20	19.33	0.086	36.99	-17.66	17.18	0.052	34.77	-17.59
	$\pi/2$ BPSK	707.50	H	257	169	1.16	1 / 1	18.02	19.18	0.083	36.99	-17.81	17.03	0.050	34.77	-17.74
5 MHz	$\pi/2$ BPSK	713.50	H	254	167	1.19	1 / 1	17.57	18.75	0.075	36.99	-18.24	16.60	0.046	34.77	-18.17
	QPSK	701.50	H	257	169	1.13	1 / 12	18.07	19.20	0.083	36.99	-17.79	17.05	0.051	34.77	-17.72
	QPSK	707.50	H	257	169	1.16	1 / 1	17.95	19.11	0.081	36.99	-17.88	16.96	0.050	34.77	-17.81
	QPSK	713.50	H	254	167	1.19	1 / 1	17.51	18.69	0.074	36.99	-18.30	16.54	0.045	34.77	-18.23
	16-QAM	701.50	H	257	169	1.13	1 / 1	16.88	18.01	0.063	36.99	-18.98	15.86	0.039	34.77	-18.91
	16-QAM	707.50	H	257	169	1.16	1 / 1	17.05	18.21	0.066	36.99	-18.78	16.06	0.040	34.77	-18.71
	16-QAM	713.50	H	254	167	1.19	1 / 12	16.23	17.41	0.055	36.99	-19.58	15.26	0.034	34.77	-19.51
	QPSK (CP-OFDM)	707.50	H	254	167	1.16	1 / 39	16.34	17.50	0.056	36.99	-19.49	15.35	0.034	34.77	-19.42
	QPSK (Opposite Pol.)	707.50	V	162	181	1.14	1 / 25	16.55	17.69	0.059	36.99	-19.29	15.54	0.036	34.77	-19.23
	QPSK (WCP)	707.50	H	208	179	1.16	1 / 39	15.18	16.34	0.043	36.99	-20.65	14.19	0.026	34.77	-20.58

Table 7-36. EIRP Data (NR Band n12) – Ant2

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.00	H	319	344	2.88	1 / 0	18.62	21.50	0.141	30.00	-8.50
	QPSK	1745.00	H	303	353	2.84	1 / 50	18.80	21.64	0.146	30.00	-8.36
	QPSK	1770.00	H	185	355	2.79	1 / 0	18.47	21.26	0.134	30.00	-8.74
	16-QAM	1720.00	H	319	344	2.88	1 / 0	17.77	20.65	0.116	30.00	-9.35
	16-QAM	1745.00	H	303	353	2.84	1 / 50	17.85	20.69	0.117	30.00	-9.31
	16-QAM	1770.00	H	185	355	2.79	1 / 0	16.58	19.37	0.086	30.00	-10.63
15 MHz	QPSK	1717.50	H	319	344	2.88	1 / 74	18.66	21.54	0.143	30.00	-8.46
	QPSK	1745.00	H	303	353	2.84	1 / 0	18.95	21.79	0.151	30.00	-8.21
	QPSK	1772.50	H	185	355	2.78	1 / 0	18.66	21.44	0.139	30.00	-8.56
	16-QAM	1717.50	H	319	344	2.88	1 / 74	17.45	20.33	0.108	30.00	-9.67
	16-QAM	1745.00	H	303	353	2.84	1 / 0	17.48	20.32	0.108	30.00	-9.68
	16-QAM	1772.50	H	185	355	2.78	1 / 0	16.57	19.36	0.086	30.00	-10.64
10 MHz	QPSK	1715.00	H	319	344	2.88	1 / 25	18.66	21.55	0.143	30.00	-8.45
	QPSK	1745.00	H	303	353	2.84	1 / 25	18.77	21.62	0.145	30.00	-8.38
	QPSK	1775.00	H	185	355	2.78	1 / 0	18.48	21.25	0.133	30.00	-8.75
	16-QAM	1715.00	H	319	344	2.88	1 / 25	17.36	20.24	0.106	30.00	-9.76
	16-QAM	1745.00	H	303	353	2.84	1 / 25	17.48	20.33	0.108	30.00	-9.67
	16-QAM	1775.00	H	185	355	2.78	1 / 0	16.42	19.20	0.083	30.00	-10.80
5 MHz	QPSK	1712.50	H	319	344	2.89	1 / 0	18.66	21.55	0.143	30.00	-8.45
	QPSK	1745.00	H	303	353	2.84	1 / 24	19.01	21.85	0.153	30.00	-8.15
	QPSK	1777.50	H	185	355	2.77	1 / 0	18.65	21.42	0.139	30.00	-8.58
	16-QAM	1712.50	H	319	344	2.89	1 / 0	17.71	20.59	0.115	30.00	-9.41
	16-QAM	1745.00	H	303	353	2.84	1 / 24	18.04	20.89	0.123	30.00	-9.11
	16-QAM	1777.50	H	185	355	2.77	1 / 0	16.83	19.60	0.091	30.00	-10.40
3 MHz	QPSK	1711.50	H	319	344	2.89	1 / 7	18.80	21.69	0.148	30.00	-8.31
	QPSK	1745.00	H	303	353	2.84	1 / 7	18.98	21.82	0.152	30.00	-8.18
	QPSK	1778.50	H	185	355	2.77	1 / 7	18.52	21.29	0.135	30.00	-8.71
	16-QAM	1711.50	H	319	344	2.89	1 / 7	17.79	20.68	0.117	30.00	-9.32
	16-QAM	1745.00	H	303	353	2.84	1 / 7	17.96	20.80	0.120	30.00	-9.20
	16-QAM	1778.50	H	185	355	2.77	1 / 7	16.71	19.48	0.089	30.00	-10.52
1.4 MHz	QPSK	1710.70	H	319	344	2.89	1 / 5	18.47	21.36	0.137	30.00	-8.64
	QPSK	1745.00	H	303	353	2.84	1 / 0	18.61	21.45	0.140	30.00	-8.55
	QPSK	1779.30	H	185	355	2.77	1 / 5	18.53	21.29	0.135	30.00	-8.71
	16-QAM	1710.70	H	319	344	2.89	1 / 5	17.57	20.46	0.111	30.00	-9.54
	16-QAM	1745.00	H	303	353	2.84	1 / 0	17.69	20.54	0.113	30.00	-9.46
	16-QAM	1779.30	H	185	355	2.77	1 / 5	16.75	19.52	0.089	30.00	-10.48
20 MHz	Opposite Pol.	1745.00	V	156	27	2.94	1 / 50	18.33	21.27	0.134	30.00	-8.73
	WCP	1745.00	H	115	332	2.84	1 / 50	18.09	20.93	0.124	30.00	-9.07

Table 7-37. EIRP Data (LTE Band 66/4) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 242 of 291	

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
15 MHz	$\pi/2$ BPSK	1702.50	H	143	302	2.90	1 / 39	19.50	22.40	0.174	30.00	-7.60
	QPSK	1702.50	H	143	302	2.90	1 / 39	19.59	22.49	0.177	30.00	-7.51
	16-QAM	1702.50	H	143	302	2.90	1 / 39	18.48	21.38	0.137	30.00	-8.62
10 MHz	$\pi/2$ BPSK	1700.00	H	143	302	2.90	1 / 50	19.55	22.45	0.176	30.00	-7.55
	$\pi/2$ BPSK	1702.50	H	143	302	2.90	1 / 50	19.51	22.41	0.174	30.00	-7.59
	$\pi/2$ BPSK	1705.00	H	143	302	2.90	1 / 26	19.63	22.53	0.179	30.00	-7.47
	QPSK	1700.00	H	143	302	2.90	1 / 50	19.60	22.50	0.178	30.00	-7.50
	QPSK	1702.50	H	143	302	2.90	1 / 50	19.56	22.46	0.176	30.00	-7.54
	QPSK	1705.00	H	143	302	2.90	1 / 1	19.64	22.54	0.180	30.00	-7.46
	16-QAM	1700.00	H	143	302	2.90	1 / 50	18.48	21.38	0.137	30.00	-8.62
	16-QAM	1702.50	H	143	302	2.90	1 / 50	18.43	21.33	0.136	30.00	-8.67
	16-QAM	1705.00	H	143	302	2.90	1 / 1	18.49	21.39	0.138	30.00	-8.61
5 MHz	$\pi/2$ BPSK	1697.50	H	143	302	2.91	1 / 23	19.64	22.55	0.180	30.00	-7.45
	$\pi/2$ BPSK	1702.50	H	143	302	2.90	1 / 23	19.62	22.52	0.179	30.00	-7.48
	$\pi/2$ BPSK	1707.50	H	143	302	2.89	1 / 1	19.69	22.58	0.181	30.00	-7.42
	QPSK	1697.50	H	143	302	2.91	1 / 23	19.62	22.53	0.179	30.00	-7.47
	QPSK	1702.50	H	143	302	2.90	1 / 23	19.65	22.55	0.180	30.00	-7.45
	QPSK	1707.50	H	143	302	2.89	1 / 1	19.69	22.58	0.181	30.00	-7.42
	16-QAM	1697.50	H	143	302	2.91	1 / 23	18.55	21.46	0.140	30.00	-8.54
	16-QAM	1702.50	H	143	302	2.90	1 / 23	18.46	21.36	0.137	30.00	-8.64
	16-QAM	1707.50	H	143	302	2.89	1 / 12	18.56	21.45	0.140	30.00	-8.55
15 MHz	QPSK (CP-OFDM)	1702.50	H	143	302	2.90	1 / 77	18.35	21.25	0.133	30.00	-8.75
	QPSK (Opposite Pol.)	1702.50	V	155	311	2.87	1 / 77	17.57	20.44	0.111	30.00	-9.56
	QPSK (WCP)	1702.50	H	143	308	2.90	1 / 77	19.22	22.12	0.163	30.00	-7.88

Table 7-38. EIRP Data (NR Band n70) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 243 of 291

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	1732.50	H	309	359	2.86	1 / 240	18.92	21.78	0.151	30.00	-8.22
	$\pi/2$ BPSK	1745.00	H	251	347	2.84	1 / 121	19.03	21.87	0.154	30.00	-8.13
	$\pi/2$ BPSK	1757.50	H	251	345	2.82	1 / 121	18.63	21.45	0.140	30.00	-8.55
	QPSK	1732.50	H	309	359	2.86	1 / 240	18.90	21.76	0.150	30.00	-8.24
	QPSK	1745.00	H	251	347	2.84	1 / 121	18.90	21.74	0.149	30.00	-8.26
	QPSK	1757.50	H	251	345	2.82	1 / 121	18.55	21.37	0.137	30.00	-8.63
40 MHz	16-QAM	1732.50	H	309	359	2.86	1 / 240	17.72	20.58	0.114	30.00	-9.42
	$\pi/2$ BPSK	1730.00	H	309	359	2.86	1 / 158	18.72	21.58	0.144	30.00	-8.42
	$\pi/2$ BPSK	1745.00	H	251	347	2.84	1 / 80	18.85	21.69	0.148	30.00	-8.31
	$\pi/2$ BPSK	1760.00	H	251	345	2.81	1 / 80	18.48	21.29	0.135	30.00	-8.71
	QPSK	1730.00	H	309	359	2.86	1 / 158	18.74	21.60	0.145	30.00	-8.40
	QPSK	1745.00	H	251	347	2.84	1 / 80	18.71	21.55	0.143	30.00	-8.45
35 MHz	QPSK	1760.00	H	251	345	2.81	1 / 80	18.46	21.27	0.134	30.00	-8.73
	16-QAM	1730.00	H	309	359	2.86	1 / 158	17.59	20.45	0.111	30.00	-9.55
	$\pi/2$ BPSK	1727.50	H	309	359	2.87	1 / 186	18.81	21.67	0.147	30.00	-8.33
	$\pi/2$ BPSK	1745.00	H	251	347	2.84	1 / 94	18.85	21.69	0.148	30.00	-8.31
	$\pi/2$ BPSK	1762.50	H	251	345	2.81	1 / 94	18.36	21.16	0.131	30.00	-8.84
	QPSK	1727.50	H	309	359	2.87	1 / 186	18.79	21.65	0.146	30.00	-8.35
30 MHz	QPSK	1745.00	H	251	347	2.84	1 / 94	18.71	21.55	0.143	30.00	-8.45
	QPSK	1762.50	H	251	345	2.81	1 / 1	18.16	20.96	0.125	30.00	-9.04
	16-QAM	1727.50	H	309	359	2.87	1 / 94	17.69	20.55	0.114	30.00	-9.45
	$\pi/2$ BPSK	1725.00	H	309	359	2.87	1 / 80	18.75	21.62	0.145	30.00	-8.38
	$\pi/2$ BPSK	1745.00	H	251	347	2.84	1 / 1	18.54	21.38	0.138	30.00	-8.62
	$\pi/2$ BPSK	1765.00	H	251	345	2.80	1 / 1	18.12	20.92	0.124	30.00	-9.08
25 MHz	QPSK	1725.00	H	309	359	2.87	1 / 80	18.72	21.59	0.144	30.00	-8.41
	QPSK	1745.00	H	251	347	2.84	1 / 80	18.48	21.32	0.136	30.00	-8.68
	QPSK	1765.00	H	251	345	2.80	1 / 1	18.17	20.97	0.125	30.00	-9.03
	16-QAM	1725.00	H	309	359	2.87	1 / 80	17.61	20.48	0.112	30.00	-9.52
	$\pi/2$ BPSK	1722.5	H	309	359	2.87	1 / 1	18.51	21.38	0.138	30.00	-8.62
	$\pi/2$ BPSK	1745.0	H	251	347	2.84	1 / 66	18.70	21.54	0.143	30.00	-8.46
20 MHz	$\pi/2$ BPSK	1767.5	H	251	345	2.80	1 / 66	18.16	20.95	0.125	30.00	-9.05
	QPSK	1722.5	H	309	359	2.87	1 / 1	18.43	21.30	0.135	30.00	-8.70
	QPSK	1745.0	H	251	347	2.84	1 / 66	18.50	21.34	0.136	30.00	-8.66
	QPSK	1767.5	H	251	345	2.80	1 / 1	18.27	21.06	0.128	30.00	-8.94
	16-QAM	1722.5	H	309	359	2.87	1 / 1	17.29	20.16	0.104	30.00	-9.84
	$\pi/2$ BPSK	1720.00	H	309	359	2.88	1 / 53	18.28	21.15	0.130	30.00	-8.85
15 MHz	$\pi/2$ BPSK	1745.00	H	251	347	2.84	1 / 53	18.66	21.50	0.141	30.00	-8.50
	$\pi/2$ BPSK	1770.00	H	251	345	2.79	1 / 1	18.00	20.79	0.120	30.00	-9.21
	QPSK	1720.00	H	309	359	2.88	1 / 53	18.34	21.21	0.132	30.00	-8.79
	QPSK	1745.00	H	251	347	2.84	1 / 53	18.39	21.23	0.133	30.00	-8.77
	QPSK	1770.00	H	251	345	2.79	1 / 1	17.98	20.77	0.119	30.00	-9.23
	16-QAM	1720.00	H	309	359	2.88	1 / 104	17.16	20.03	0.101	30.00	-9.97
10 MHz	$\pi/2$ BPSK	1717.50	H	309	359	2.88	1 / 1	18.31	21.19	0.132	30.00	-8.81
	$\pi/2$ BPSK	1745.00	H	251	347	2.84	1 / 77	18.73	21.57	0.144	30.00	-8.43
	$\pi/2$ BPSK	1772.50	H	251	345	2.78	1 / 1	18.12	20.90	0.123	30.00	-9.10
	QPSK	1717.50	H	309	359	2.88	1 / 1	18.35	21.23	0.133	30.00	-8.77
	QPSK	1745.00	H	251	347	2.84	1 / 1	18.63	21.47	0.140	30.00	-8.53
	QPSK	1772.50	H	251	345	2.78	1 / 1	18.15	20.93	0.124	30.00	-9.07
5 MHz	16-QAM	1717.50	H	309	359	2.88	1 / 1	17.23	20.11	0.103	30.00	-9.89
	$\pi/2$ BPSK	1715.00	H	309	359	2.88	1 / 50	18.40	21.28	0.134	30.00	-8.72
	$\pi/2$ BPSK	1745.00	H	251	347	2.84	1 / 50	18.75	21.59	0.144	30.00	-8.41
	$\pi/2$ BPSK	1775.00	H	251	345	2.78	1 / 1	18.41	21.18	0.131	30.00	-8.82
	QPSK	1715.00	H	309	359	2.88	1 / 1	18.26	21.14	0.130	30.00	-8.86
	QPSK	1745.00	H	251	347	2.84	1 / 50	18.54	21.38	0.138	30.00	-8.62
45 MHz	QPSK	1775.00	H	251	345	2.78	1 / 26	18.35	21.12	0.130	30.00	-8.88
	16-QAM	1745.00	H	251	347	2.84	1 / 26	17.29	20.13	0.103	30.00	-9.87
	$\pi/2$ BPSK	1712.50	H	309	359	2.89	1 / 12	18.71	21.59	0.144	30.00	-8.41
	$\pi/2$ BPSK	1745.00	H	251	347	2.84	1 / 12	19.00	21.84	0.153	30.00	-8.16
	$\pi/2$ BPSK	1777.50	H	251	345	2.77	1 / 1	18.36	21.13	0.130	30.00	-8.87
	QPSK	1712.50	H	309	359	2.89	1 / 1	18.67	21.55	0.143	30.00	-8.45
45 MHz	QPSK	1745.00	H	251	347	2.84	1 / 12	18.78	21.62	0.145	30.00	-8.38
	QPSK	1777.50	H	251	345	2.77	1 / 12	18.37	21.14	0.130	30.00	-8.86
	16-QAM	1712.50	H	309	359	2.89	1 / 1	17.55	20.43	0.111	30.00	-9.57
45 MHz	QPSK (CP-OFDM)	1745.00	H	251	347	2.84	1 / 108	17.16	20.00	0.100	30.00	-10.00
	QPSK (Opposite Pol.)	1745.00	V	153	21	2.94	1 / 108	18.58	21.52	0.142	30.00	-8.48
	QPSK (WCP)	1745.00	H	133	312	2.84	1 / 108	18.23	21.07	0.128	30.00	-8.93

Table 7-39. EIRP Data (NR Band n66) – Ant2

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7.8 Radiated Spurious Emissions Measurements

Test Overview

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

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

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

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Test Setup

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

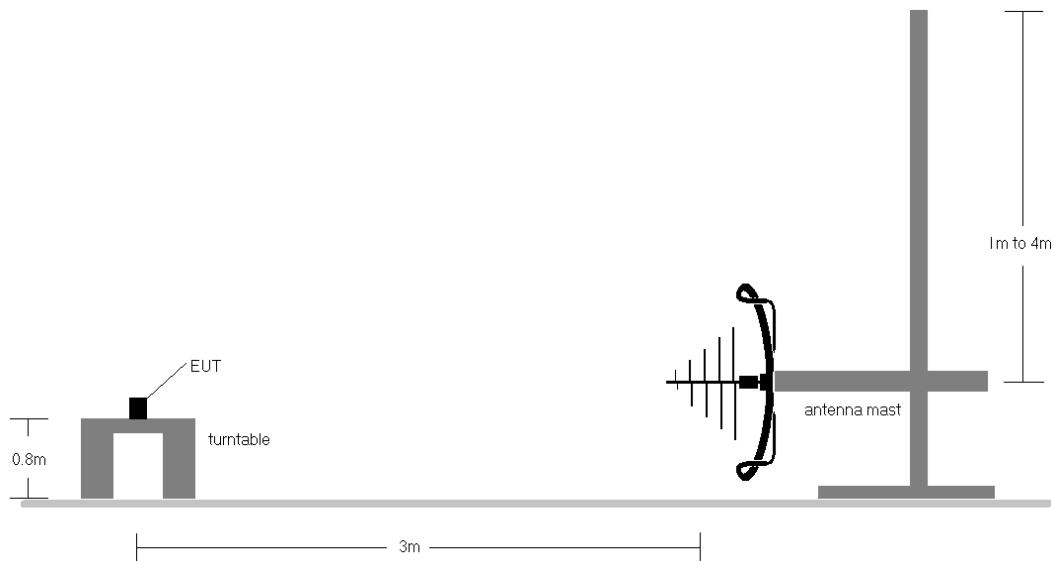


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

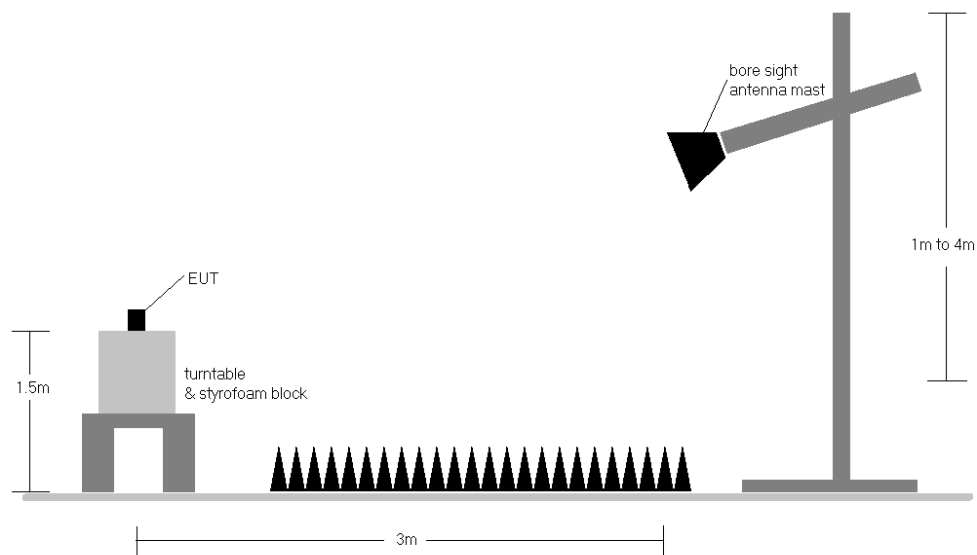


Figure 7-9. Test Instrument & Measurement Setup > 1GHz

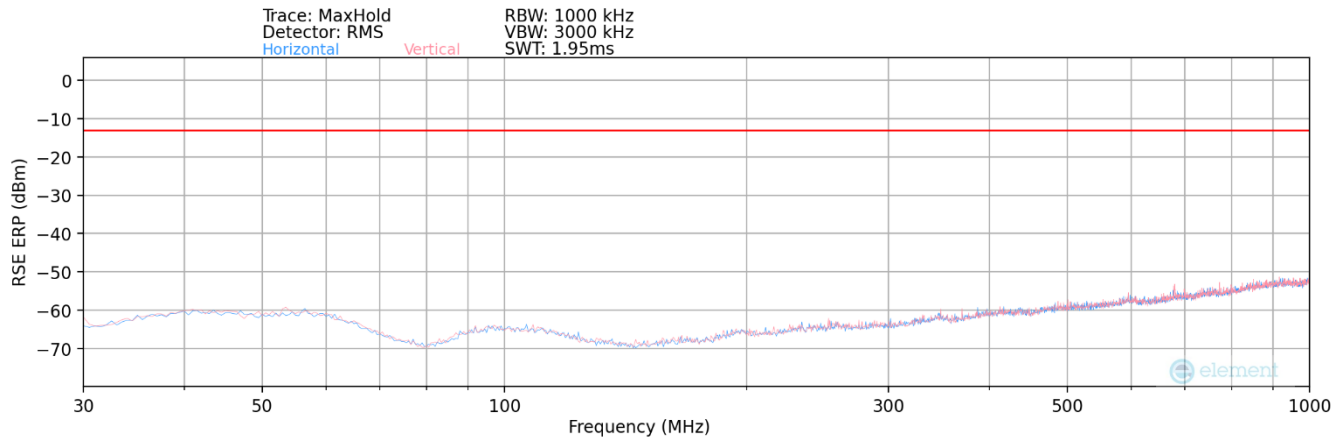
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Test Notes

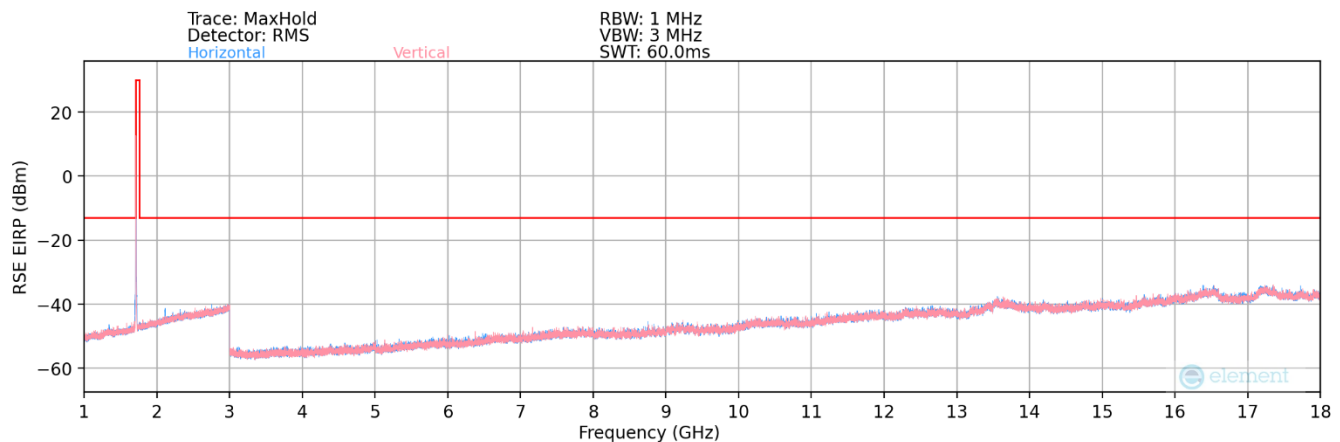
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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 emission in EN-DC Operating mode with Sub 6GHz NR carrier as well as an LTE carrier (anchor) has been checked and was found to not to be the worst case. Spurious emissions from the NR carrier device are subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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WCDMA AWS – Ant1



Plot 7-339. Radiated Spurious Plot (WCDMA AWS) – Ant1



Plot 7-340. 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]
375.00	V	-	-	-75.08	-9.15	22.77	-74.64	-13.00	-61.64
675.00	V	-	-	-86.60	-3.39	17.01	-80.39	-13.00	-67.39
775.00	V	-	-	-87.38	-2.08	17.54	-79.86	-13.00	-66.86

Table 7-40. 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	V	-	-	-79.75	5.02	32.27	-62.99	-13.00	-49.99
5137.20	V	-	-	-80.76	7.63	33.87	-61.39	-13.00	-48.39
6849.60	V	-	-	-81.82	11.41	36.59	-58.67	-13.00	-45.67

Table 7-41. 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	V	-	-	-79.37	4.90	32.53	-62.72	-13.00	-49.72
5197.80	V	-	-	-80.94	7.16	33.22	-62.04	-13.00	-49.04
6930.40	V	-	-	-82.00	10.95	35.95	-59.31	-13.00	-46.31

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

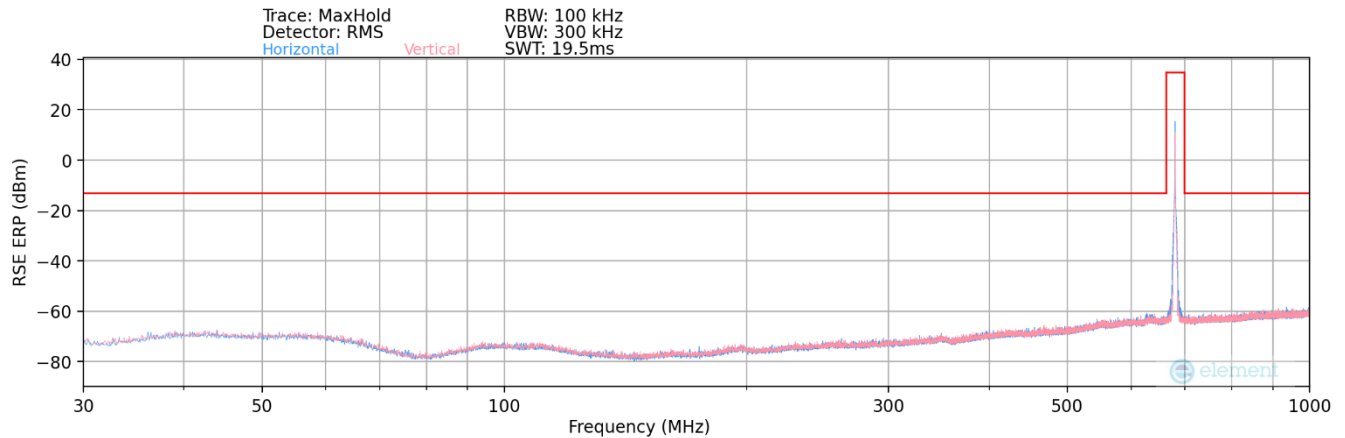
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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	V	-	-	-79.78	4.95	32.17	-63.09	-13.00	-50.09
5257.80	V	-	-	-81.10	7.12	33.02	-62.24	-13.00	-49.24
7010.40	V	-	-	-82.24	10.72	35.48	-59.78	-13.00	-46.78

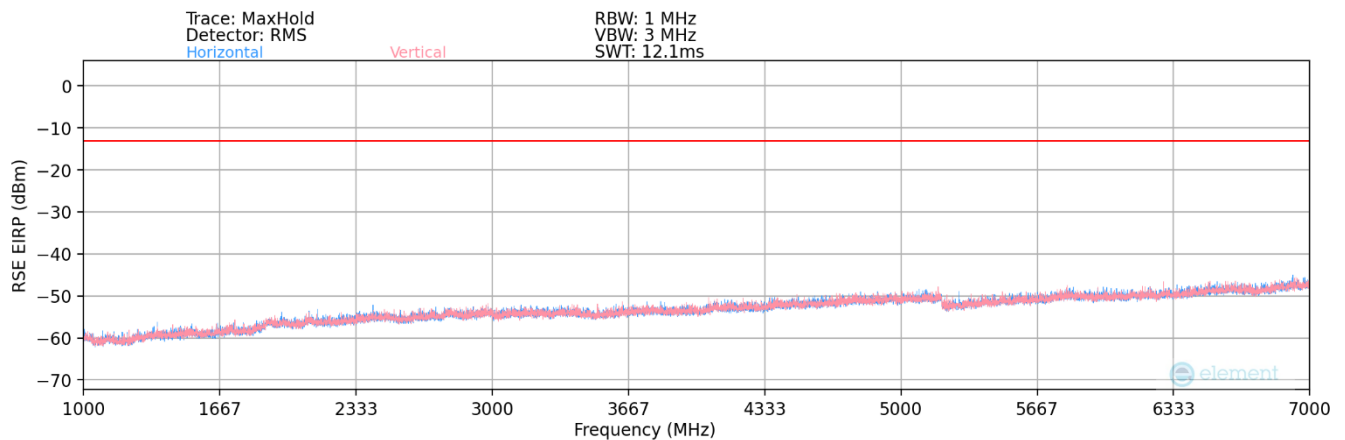
Table 7-43. Radiated Spurious Data (WCDMA AWS – High Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 71 – Ant1



Plot 7-341. Radiated Spurious Plot (LTE Band 71) – Ant1



Plot 7-342. Radiated Spurious Plot (LTE Band 71) – Ant1

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
150.00	H	-	-	-81.11	-16.75	9.14	-88.27	-13.00	-75.27
300.00	H	-	-	-84.07	-11.07	11.86	-85.54	-13.00	-72.54
450.00	H	-	-	-85.37	-7.87	13.76	-83.65	-13.00	-70.65

Table 7-44. Radiated Spurious Data (LTE Band 71) – Ant1

FCC ID: A3LSMS948U	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	153	349	-75.97	-2.17	28.86	-66.39	-13.00	-53.39
2019.00	H	-	-	-77.61	0.94	30.33	-64.93	-13.00	-51.93
2692.00	H	-	-	-78.19	3.02	31.83	-63.43	-13.00	-50.43
3365.00	H	-	-	-78.79	4.90	33.11	-62.15	-13.00	-49.15

Table 7-45. Radiated Spurious Data (LTE Band 71 – Low Channel) – Ant1

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	H	231	154	-74.63	-2.24	30.13	-65.13	-13.00	-52.13
2041.50	H	166	157	-77.04	0.67	30.63	-64.63	-13.00	-51.63
2722.00	H	-	-	-78.30	3.20	31.90	-63.35	-13.00	-50.35
3402.50	H	-	-	-78.40	4.68	33.28	-61.98	-13.00	-48.98
4083.00	H	-	-	-79.22	5.81	33.59	-61.67	-13.00	-48.67

Table 7-46. Radiated Spurious Data (LTE Band 71 – Mid Channel) – Ant1

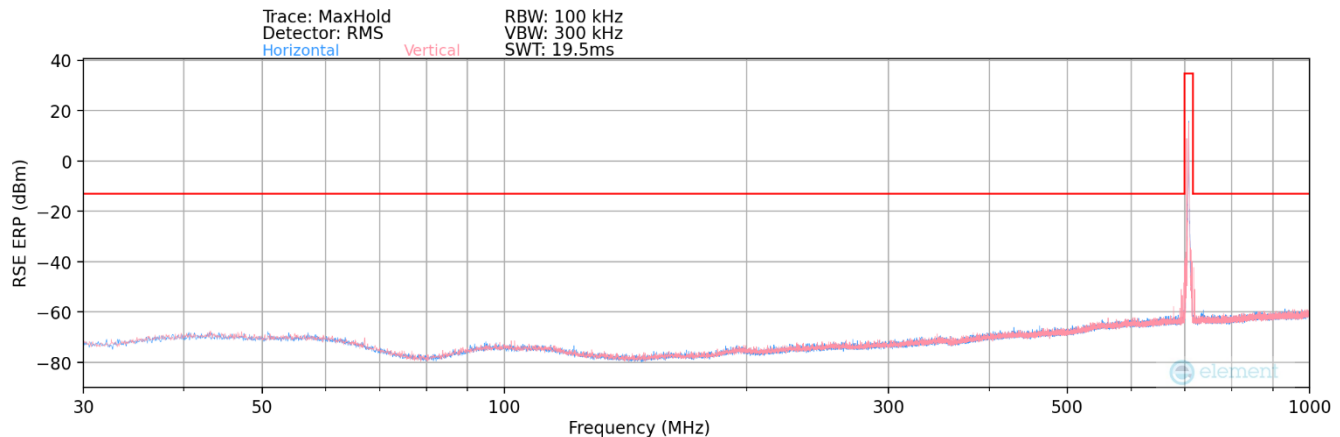
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.00	H	113	192	-76.32	-2.29	28.39	-66.87	-13.00	-53.87
2064.00	H	398	118	-77.41	0.79	30.38	-64.88	-13.00	-51.88
2752.00	H	-	-	-78.18	3.16	31.98	-63.28	-13.00	-50.28
3440.00	H	-	-	-78.43	4.48	33.05	-62.21	-13.00	-49.21
4128.00	H	-	-	-79.30	5.66	33.36	-61.90	-13.00	-48.90

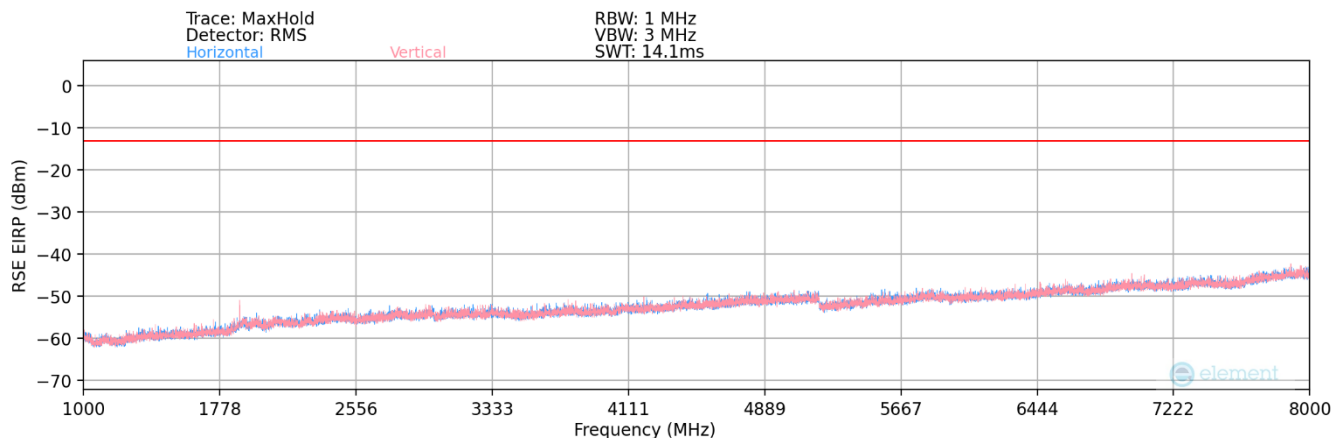
Table 7-47. Radiated Spurious Data (LTE Band 71 – High Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12 – Ant1



Plot 7-343. Radiated Spurious Plot (LTE Band 12) – Ant1



Plot 7-344. Radiated Spurious Plot (LTE Band 12) – 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]
150.00	H	-	-	-81.83	-16.75	8.42	-88.99	-13.00	-75.99
300.00	H	-	-	-83.70	-11.07	12.23	-85.17	-13.00	-72.17
450.00	H	-	-	-85.50	-7.87	13.63	-83.78	-13.00	-70.78

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

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	704
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1408.00	H	-	-	-76.31	-2.56	28.13	-67.13	-13.00	-54.13
2112.00	H	-	-	-77.32	1.75	31.43	-63.83	-13.00	-50.83
2816.00	H	-	-	-78.38	3.78	32.40	-62.85	-13.00	-49.85

Table 7-49. Radiated Spurious Data (LTE Band 12 – Low Channel) – Ant1

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	108	319	-75.10	-2.66	29.24	-66.02	-13.00	-53.02
2122.50	H	-	-	-77.74	1.69	30.95	-64.31	-13.00	-51.31
2830.00	H	-	-	-78.00	3.52	32.52	-62.74	-13.00	-49.74
3537.50	H	-	-	-78.17	4.23	33.06	-62.20	-13.00	-49.20

Table 7-50. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant1

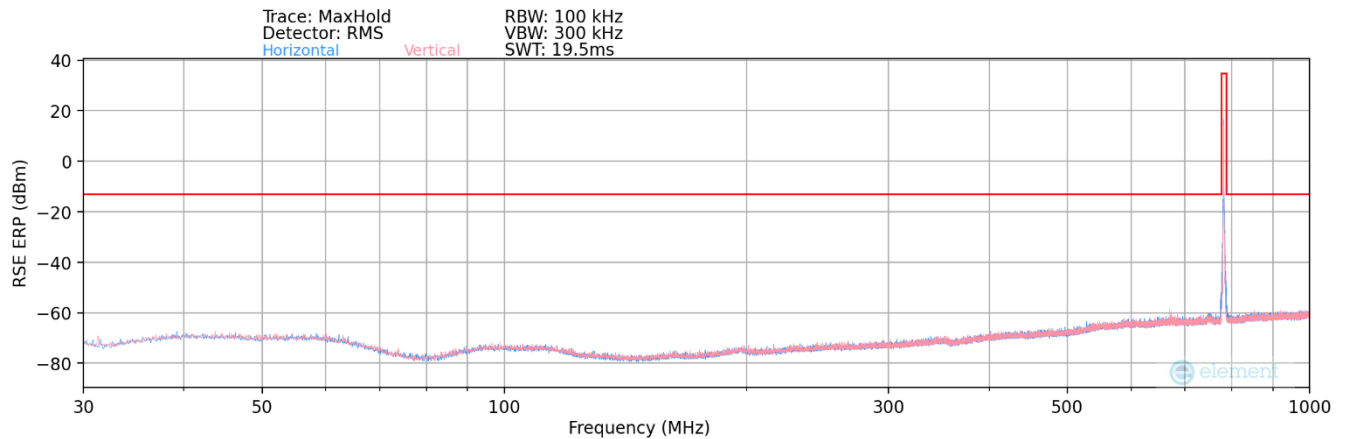
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	H	143	218	-74.25	-2.61	30.14	-65.11	-13.00	-52.11
2133.00	H	-	-	-77.81	1.64	30.83	-64.43	-13.00	-51.43
2844.00	H	-	-	-77.98	3.16	32.18	-63.08	-13.00	-50.08
3555.00	H	-	-	-78.43	4.32	32.89	-62.37	-13.00	-49.37

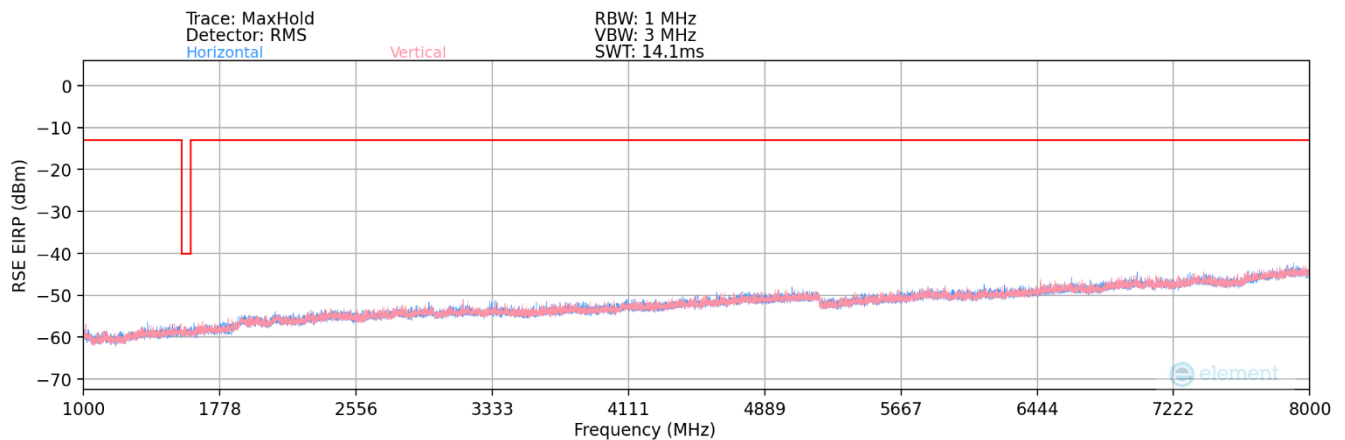
Table 7-51. Radiated Spurious Data (LTE Band 12 – High Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant1



Plot 7-345. Radiated Spurious Plot (LTE Band 13) – Ant1



Plot 7-346. Radiated Spurious Plot (LTE Band 13) – Ant1

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
675.00	V	354	258	-86.85	-3.39	16.76	-80.64	-13.00	-67.64

Table 7-52. Radiated Spurious Data (LTE Band 13) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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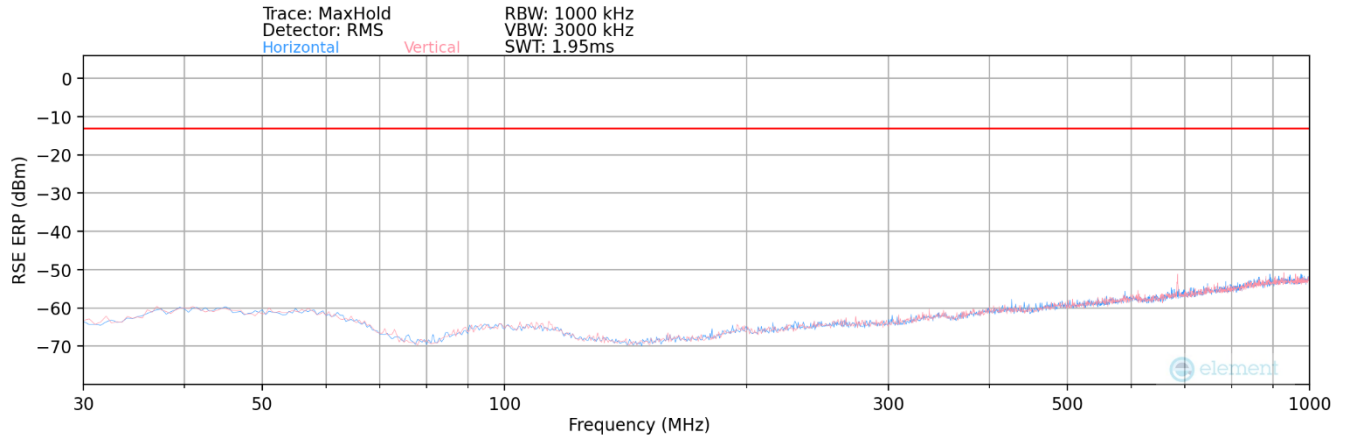
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	V	-	-	-77.09	-1.31	28.60	-66.65	-40.00	-26.65
2346.00	V	201	48	-60.16	2.18	49.02	-46.24	-13.00	-33.24
3128.00	V	-	-	-77.97	3.71	32.74	-62.52	-13.00	-49.52
3910.00	V	-	-	-78.51	4.71	33.20	-62.05	-13.00	-49.05
4692.00	V	-	-	-78.86	5.92	34.06	-61.20	-13.00	-48.20

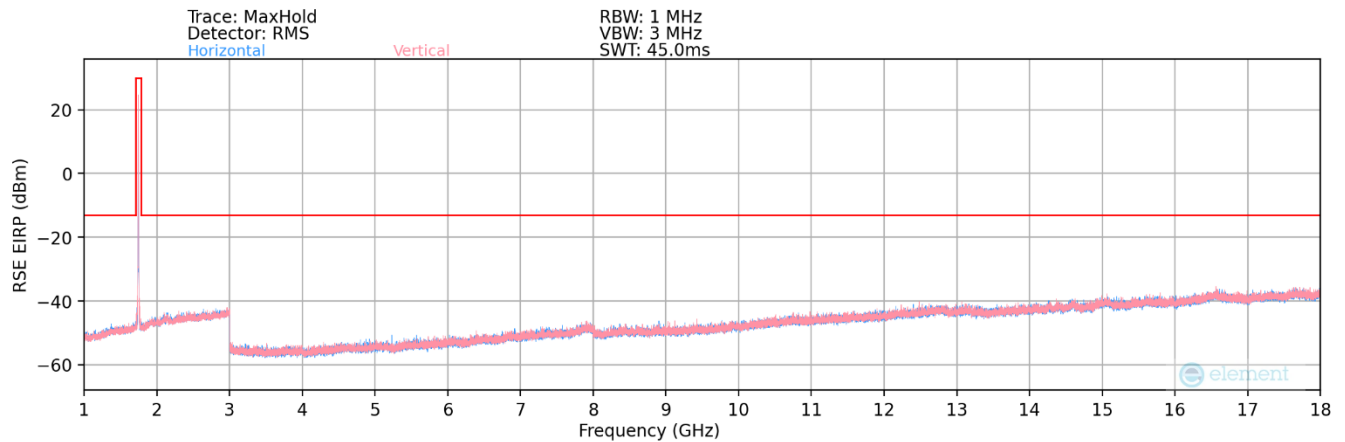
Table 7-53. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – Ant1



Plot 7-347. Radiated Spurious Plot (LTE Band 66/4) – Ant1



Plot 7-348. 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]
675.00	H	276	199	-86.65	-3.39	16.96	-80.44	-13.00	-67.44

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

FCC ID: A3LSMS948U	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	-	-	-79.83	5.30	32.47	-62.79	-13.00	-49.79
5160.00	H	-	-	-80.71	7.58	33.87	-61.39	-13.00	-48.39
6880.00	H	-	-	-80.39	11.75	38.36	-56.89	-13.00	-43.89

Table 7-55. 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	-	-	-78.29	5.13	33.84	-61.42	-13.00	-48.42
5235.00	H	-	-	-79.18	7.29	35.11	-60.15	-13.00	-47.15
6980.00	H	-	-	-79.99	11.11	38.12	-57.14	-13.00	-44.14

Table 7-56. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant1

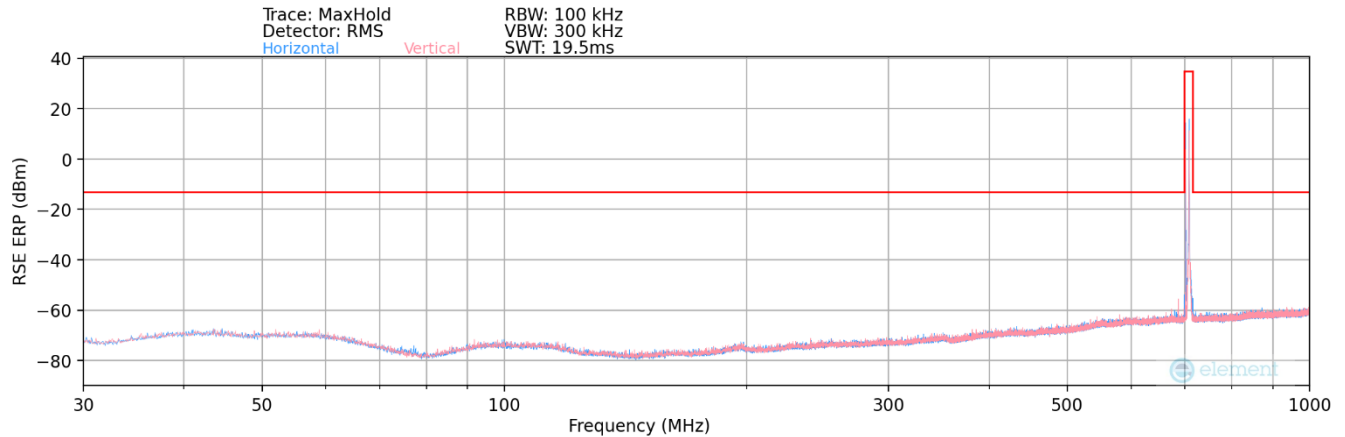
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

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	-	-	-78.46	5.04	33.58	-61.68	-13.00	-48.68
5310.00	H	-	-	-79.33	7.58	35.25	-60.01	-13.00	-47.01
7080.00	H	-	-	-80.04	11.66	38.62	-56.64	-13.00	-43.64

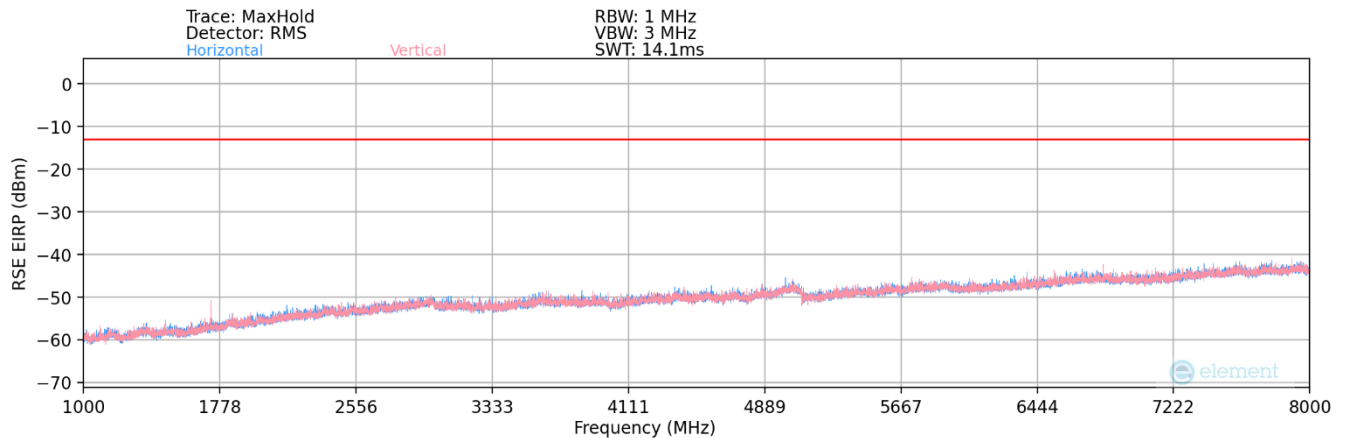
Table 7-57. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 257 of 291

NR Band n12 – Ant1



Plot 7-349. Radiated Spurious Plot (NR Band n12) – Ant1



Plot 7-350. Radiated Spurious Plot (NR Band n12) – Ant1

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
150.00	H	-	-	-81.41	-16.75	8.84	-88.57	-13.00	-75.57
300.00	H	-	-	-84.00	-11.07	11.93	-85.47	-13.00	-72.47
450.00	H	-	-	-85.40	-7.87	13.73	-83.68	-13.00	-70.68

Table 7-58. Radiated Spurious Data (NR Band n12) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset		Page 258 of 291

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.00	H	102	131	-74.97	-1.59	30.44	-64.82	-13.00	-51.82
2119.50	H	110	159	-66.38	2.84	43.46	-51.80	-13.00	-38.80
2826.00	H	-	-	-78.83	5.22	33.39	-61.87	-13.00	-48.87
3532.50	H	-	-	-79.66	6.84	34.18	-61.08	-13.00	-48.08
4239.00	H	-	-	-80.58	8.74	35.16	-60.09	-13.00	-47.09

Table 7-59. Radiated Spurious Data (NR Band n12 – Low Channel) – Ant1

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	-	-	-77.39	-1.55	28.06	-67.20	-13.00	-54.20
2122.50	H	117	161	-66.82	2.82	43.00	-52.26	-13.00	-39.26
2830.00	H	-	-	-78.99	5.27	33.28	-61.98	-13.00	-48.98
3537.50	H	-	-	-79.61	6.84	34.23	-61.03	-13.00	-48.03
4245.00	H	-	-	-80.58	8.70	35.12	-60.14	-13.00	-47.14

Table 7-60. Radiated Spurious Data (NR Band n12 – Mid Channel) – Ant1

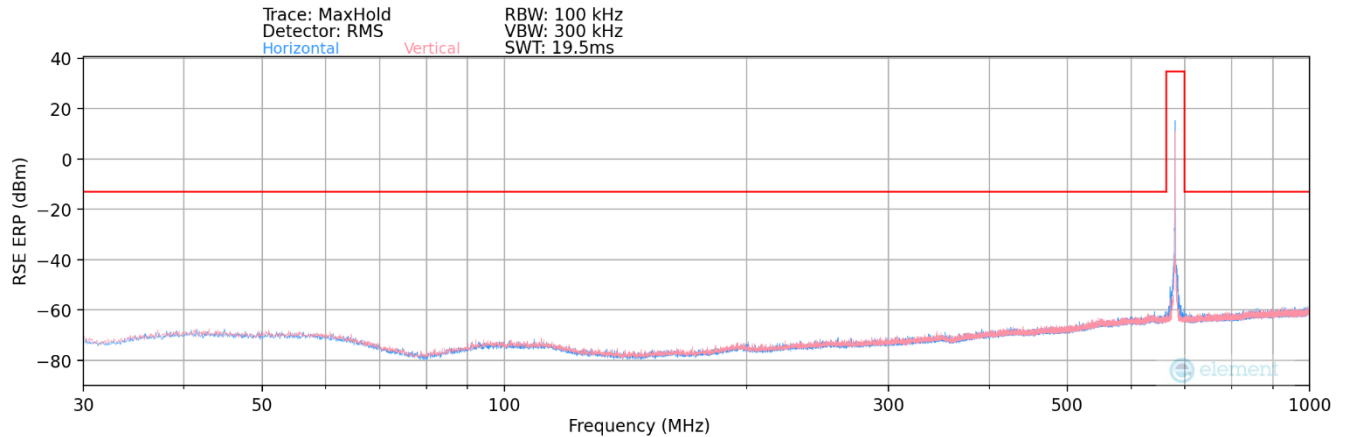
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.00	H	102	209	-72.63	-1.50	32.87	-62.39	-13.00	-49.39
2125.50	H	107	157	-69.90	2.80	39.90	-55.36	-13.00	-42.36
2834.00	H	-	-	-78.79	5.30	33.51	-61.75	-13.00	-48.75
3542.50	H	-	-	-79.56	6.86	34.30	-60.96	-13.00	-47.96
4251.00	H	-	-	-80.25	8.66	35.41	-59.85	-13.00	-46.85

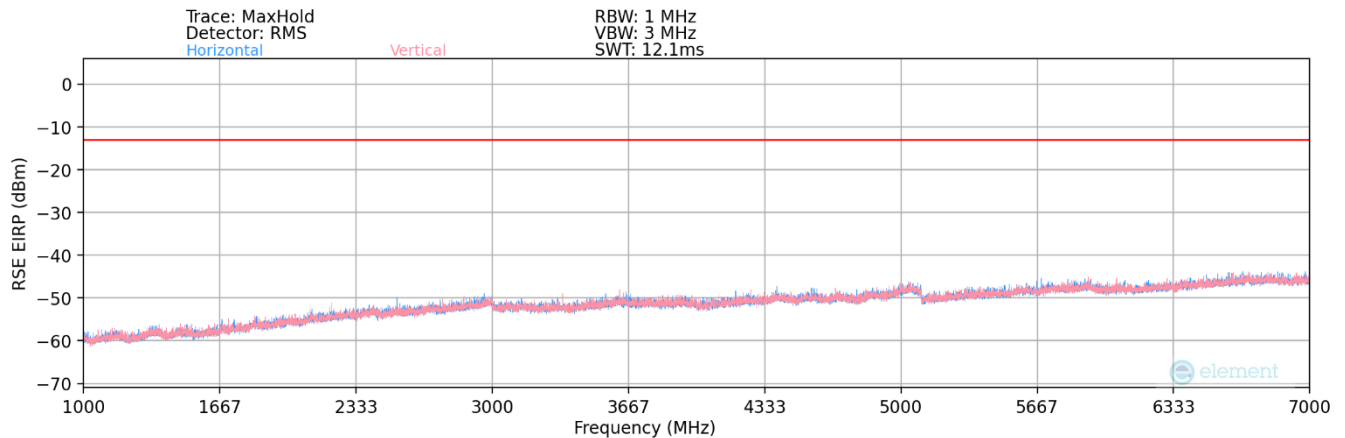
Table 7-61. Radiated Spurious Data (NR Band n12 – High Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71 – Ant1



Plot 7-351. Radiated Spurious Plot (NR Band n71) – Ant1



Plot 7-352. Radiated Spurious Plot (NR Band n71) – Ant1

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
150.00	H	-	-	-81.20	-16.75	9.05	-88.36	-13.00	-75.36
300.00	H	-	-	-83.56	-11.07	12.37	-85.03	-13.00	-72.03
450.00	H	-	-	-85.43	-7.87	13.70	-83.71	-13.00	-70.71

Table 7-62. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset		Page 260 of 291

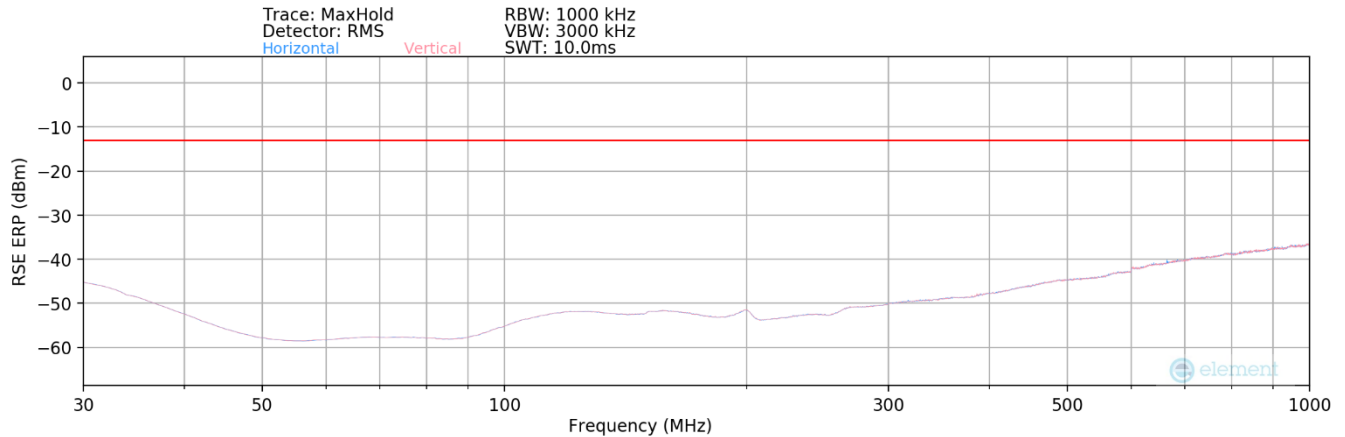
Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	H	119	141	-77.29	-0.27	29.44	-65.82	-13.00	-52.82
2041.50	H	-	-	-78.00	1.89	30.89	-64.37	-13.00	-51.37
2722.00	H	-	-	-79.10	5.04	32.94	-62.32	-13.00	-49.32
3402.50	H	-	-	-79.61	6.47	33.86	-61.40	-13.00	-48.40

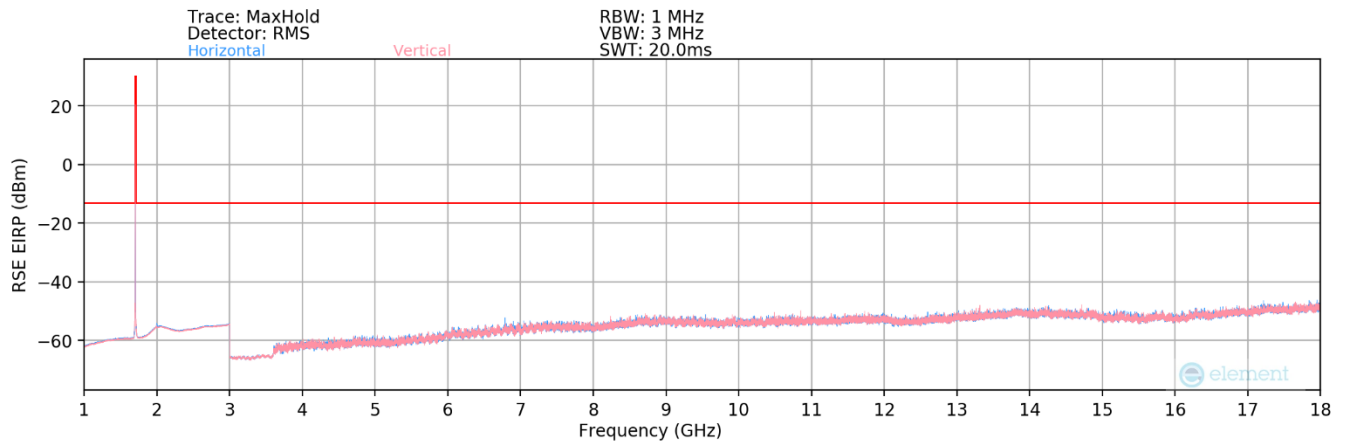
Table 7-63. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 261 of 291

NR Band n70 – Ant1



Plot 7-353. Radiated Spurious Plot (NR Band n70) – Ant1



Plot 7-354. Radiated Spurious Plot (NR Band n70) – Ant1

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
200.00	H	-	-	-91.39	20.10	35.71	-61.69	-13.00	-48.69
560.00	H	-	-	-90.81	26.62	42.81	-54.60	-13.00	-41.60
930.00	H	-	-	-89.82	31.48	48.66	-48.75	-13.00	-35.75

Table 7-64. Radiated Spurious Data (NR Band n70) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset		Page 262 of 291

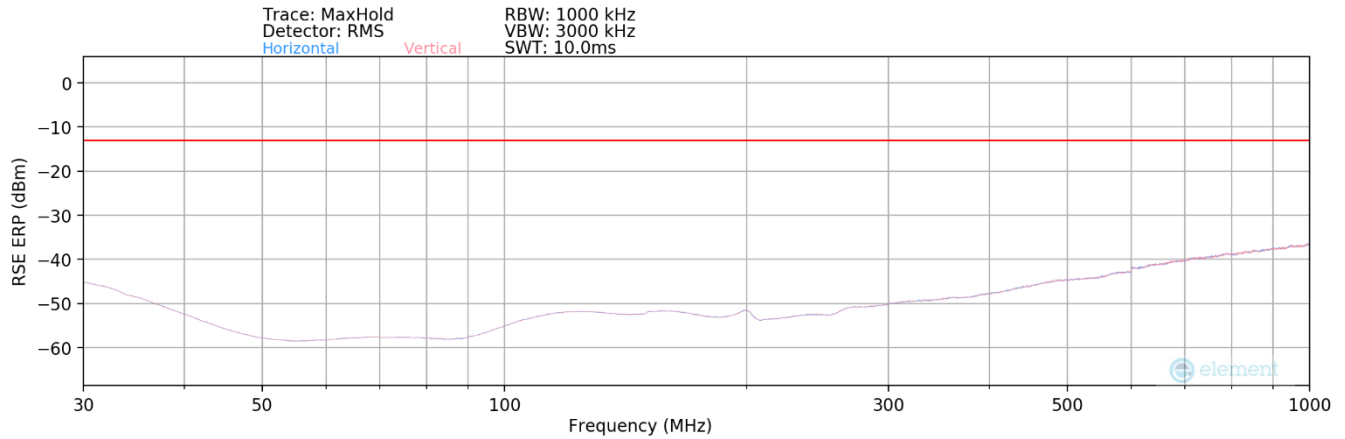
Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.00	H	138	97	-77.50	-0.01	29.49	-65.76	-13.00	-52.76
5107.50	H	-	-	-78.69	3.26	31.57	-63.69	-13.00	-50.69
6810.00	H	-	-	-79.53	8.68	36.15	-59.11	-13.00	-46.11
8512.50	H	-	-	-80.11	10.91	37.80	-57.45	-13.00	-44.45

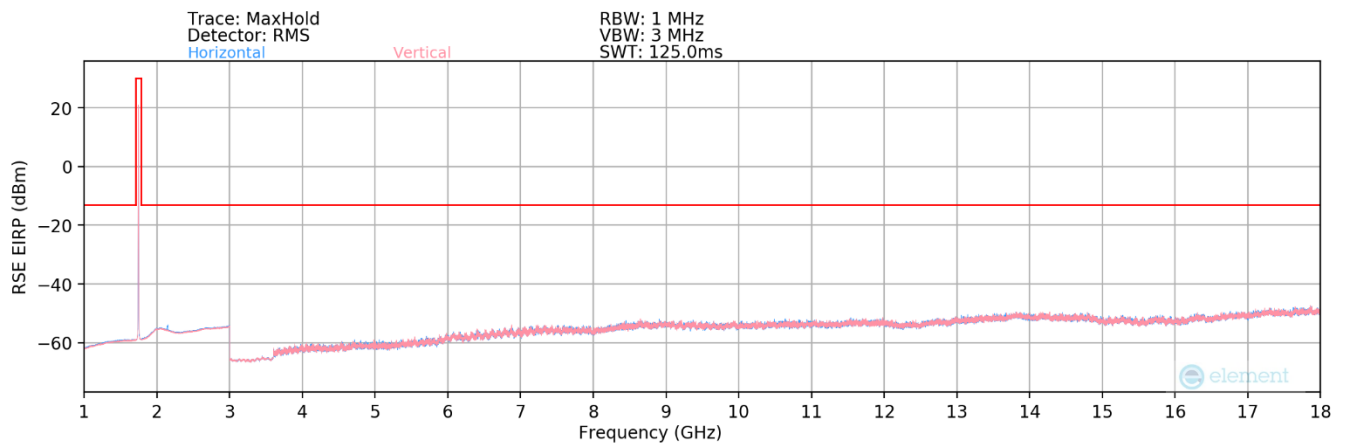
Table 7-65. Radiated Spurious Data (NR Band n70 – Mid Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 263 of 291

NR Band n66 – Ant1



Plot 7-355. Radiated Spurious Plot (NR Band n66) – Ant1



Plot 7-356. 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]
550.00	V	-	-	-90.96	26.41	42.45	-54.95	-13.00	-41.95
610.00	V	-	-	-90.75	27.03	43.28	-54.13	-13.00	-41.13
760.00	V	-	-	-90.74	29.45	45.71	-51.69	-13.00	-38.69

Table 7-66. Radiated Spurious Data (NR Band n66) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset		Page 264 of 291

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.00	V	-	-	-77.65	0.17	29.52	-65.74	-13.00	-52.74
5190.00	V	386	344	-78.03	3.38	32.35	-62.91	-13.00	-49.91
6920.00	V	-	-	-80.53	8.47	34.94	-60.32	-13.00	-47.32
8650.00	V	-	-	-80.33	11.57	38.24	-57.02	-13.00	-44.02
10380.00	V	-	-	-81.19	12.37	38.18	-57.08	-13.00	-44.08

Table 7-67. 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	V	-	-	-77.90	0.06	29.16	-66.10	-13.00	-53.10
5235.00	V	-	-	-78.96	3.37	31.41	-63.85	-13.00	-50.85
6980.00	V	-	-	-78.88	7.96	36.08	-59.18	-13.00	-46.18

Table 7-68. Radiated Spurious Data (NR Band n66 – Mid Channel) – Ant1

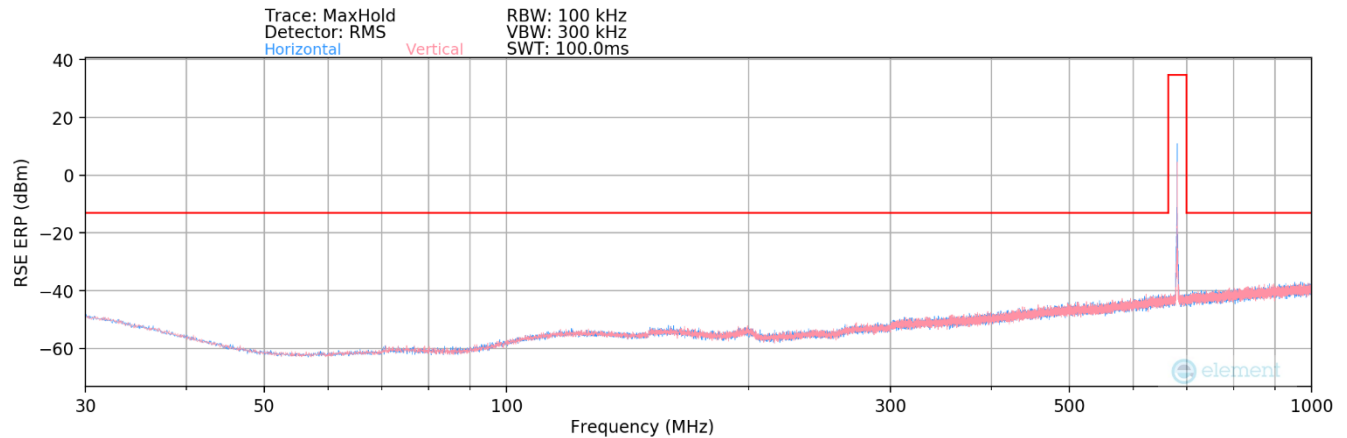
Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 108

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	V	-	-	-77.36	-0.06	29.58	-65.68	-13.00	-52.68
5280.00	V	316	336	-78.09	3.28	32.19	-63.07	-13.00	-50.07
7040.00	V	-	-	-78.77	8.10	36.33	-58.92	-13.00	-45.92
8800.00	V	-	-	-80.27	11.06	37.79	-57.47	-13.00	-44.47
10560.00	V	-	-	-81.23	12.67	38.44	-56.81	-13.00	-43.81

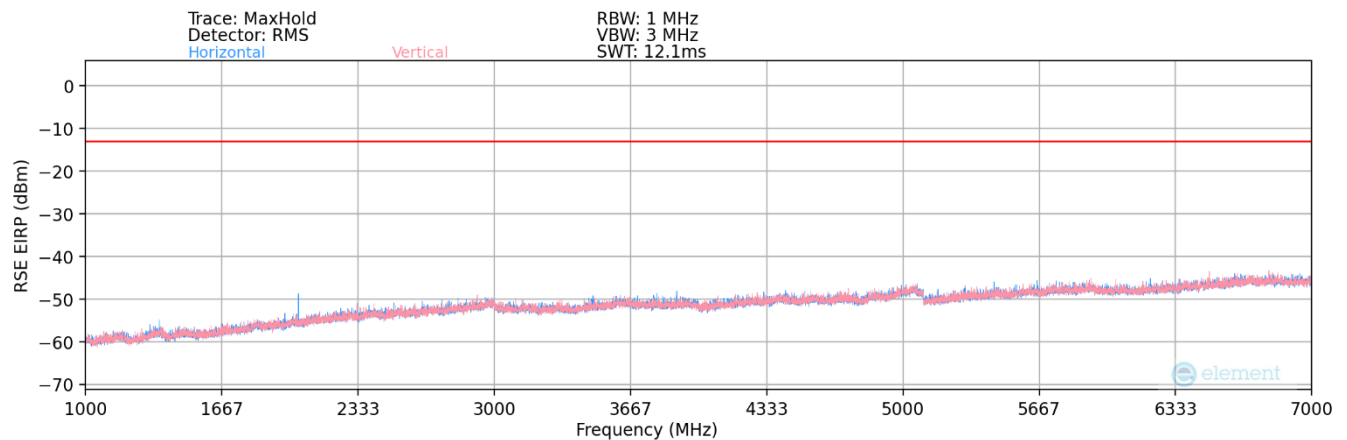
Table 7-69. Radiated Spurious Data (NR Band n66 – High Channel) – Ant1

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 71 – Ant2



Plot 7-357. Radiated Spurious Plot (LTE Band 71) – Ant2



Plot 7-358. Radiated Spurious Plot (LTE Band 71) – Ant2

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]
150.00	H	-	-	-81.26	-16.75	8.99	-88.42	-13.00	-75.42
300.00	H	-	-	-83.98	-11.07	11.95	-85.45	-13.00	-72.45
450.00	H	-	-	-85.07	-7.87	14.06	-83.35	-13.00	-70.35

Table 7-70. Radiated Spurious Data (LTE Band 71) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset		Page 266 of 291

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	115	219	-65.05	-2.17	39.78	-55.47	-13.00	-42.47
2019.00	H	173	169	-67.88	0.94	40.06	-55.20	-13.00	-42.20
2692.00	H	-	-	-78.29	3.02	31.73	-63.53	-13.00	-50.53
3365.00	H	-	-	-79.23	4.90	32.67	-62.59	-13.00	-49.59

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

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	253	220	-69.44	-2.24	35.32	-59.94	-13.00	-46.94
2041.50	H	120	176	-60.80	0.67	46.87	-48.39	-13.00	-35.39
2722.00	H	-	-	-78.39	3.20	31.81	-63.44	-13.00	-50.44
3402.50	H	-	-	-78.79	4.68	32.89	-62.37	-13.00	-49.37
4083.00	H	-	-	-79.31	5.81	33.50	-61.76	-13.00	-48.76

Table 7-72. Radiated Spurious Data (LTE Band 71 – Mid Channel) – Ant2

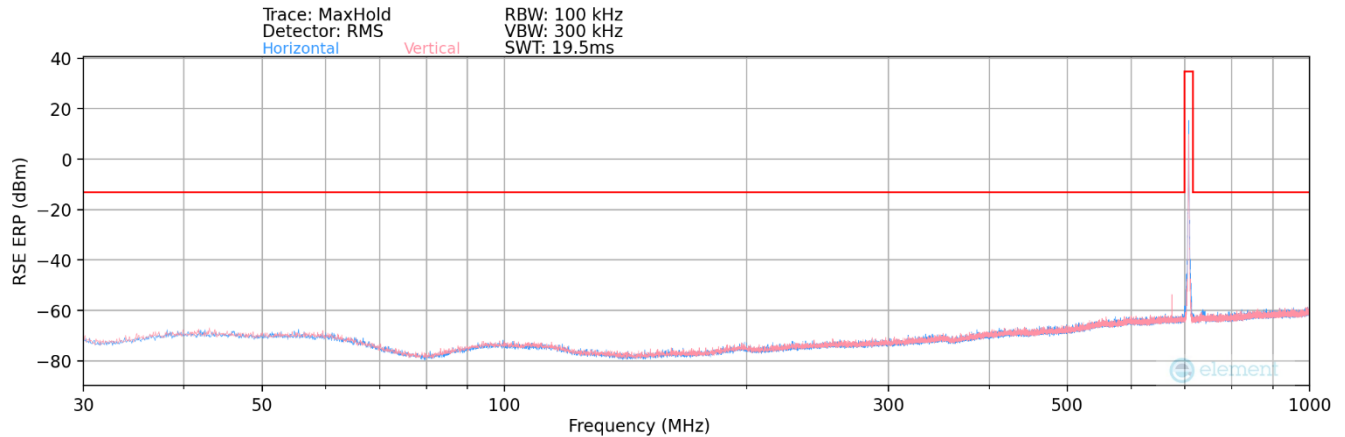
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50

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	244	227	-74.66	-2.29	30.05	-65.21	-13.00	-52.21
2064.00	H	333	299	-76.73	0.79	31.06	-64.20	-13.00	-51.20
2752.00	H	-	-	-78.61	3.16	31.55	-63.71	-13.00	-50.71
3440.00	H	-	-	-78.58	4.48	32.90	-62.36	-13.00	-49.36
4128.00	H	-	-	-79.47	5.66	33.19	-62.07	-13.00	-49.07

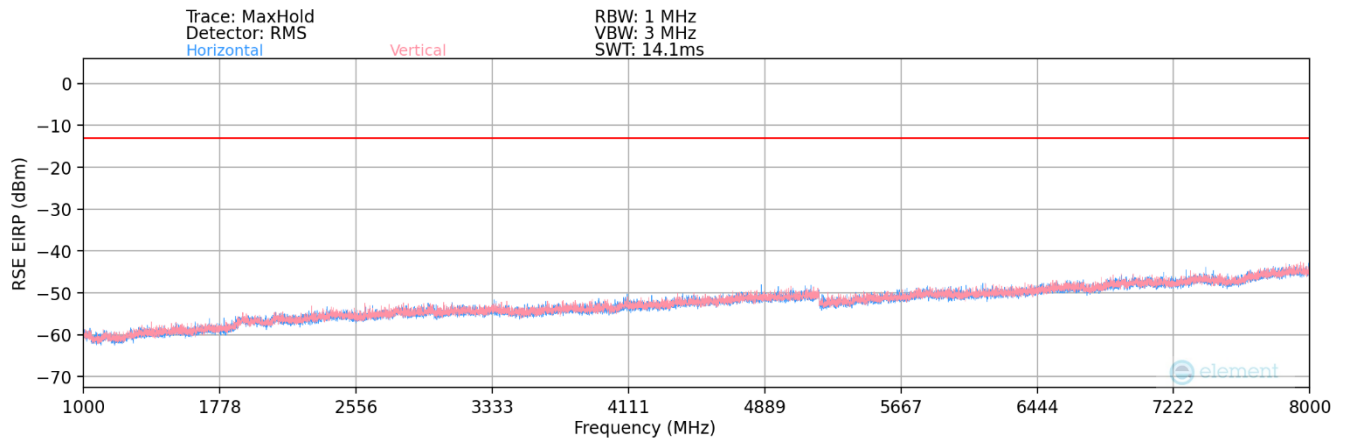
Table 7-73. Radiated Spurious Data (LTE Band 71 – High Channel) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12 – Ant2



Plot 7-359. Radiated Spurious Plot (LTE Band 12) – Ant2



Plot 7-360. Radiated Spurious Plot (LTE Band 12) – 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]
675.00	H	112	200	-86.72	-3.39	16.89	-80.51	-13.00	-67.51

Table 7-74. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset			Page 268 of 291	

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	224	129	-74.90	-2.56	29.54	-65.72	-13.00	-52.72
2112.00	H	165	327	-77.47	1.75	31.28	-63.98	-13.00	-50.98
2816.00	H	-	-	-78.53	3.78	32.25	-63.00	-13.00	-50.00
3520.00	H	-	-	-78.67	4.21	32.54	-62.72	-13.00	-49.72
4224.00	H	-	-	-79.39	5.51	33.12	-62.14	-13.00	-49.14

Table 7-75. Radiated Spurious Data (LTE Band 12 – Low Channel) – Ant2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	159	157	-74.40	-2.66	29.94	-65.32	-13.00	-52.32
2122.50	H	-	-	-77.67	1.69	31.02	-64.24	-13.00	-51.24
2830.00	H	-	-	-78.10	3.52	32.42	-62.84	-13.00	-49.84
3537.50	H	-	-	-78.54	4.23	32.69	-62.57	-13.00	-49.57

Table 7-76. Radiated Spurious Data (LTE Band 12 – Mid Channel) – Ant2

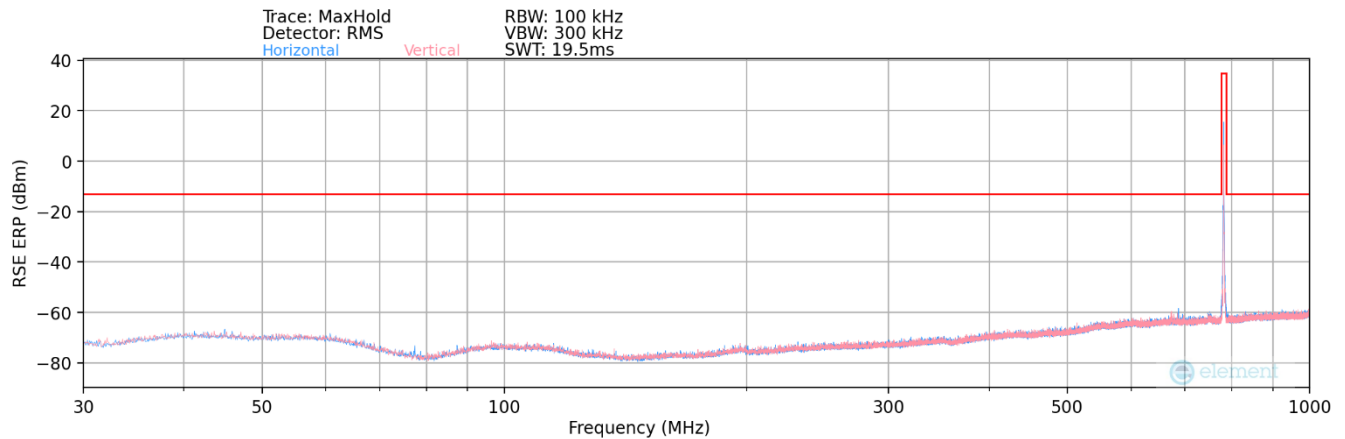
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1422.00	H	156	148	-74.61	-2.61	29.78	-65.47	-13.00	-52.47
2133.00	H	-	-	-77.73	1.64	30.91	-64.35	-13.00	-51.35
2844.00	H	-	-	-78.12	3.16	32.04	-63.22	-13.00	-50.22
3555.00	H	-	-	-78.29	4.32	33.03	-62.23	-13.00	-49.23

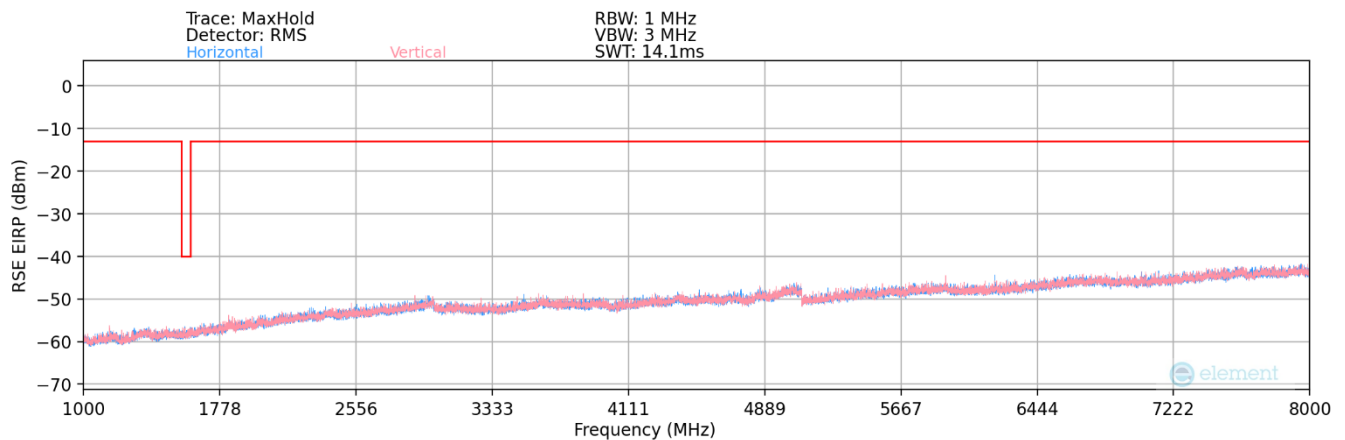
Table 7-77. Radiated Spurious Data (LTE Band 12 – High Channel) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13 – Ant2



Plot 7-361. Radiated Spurious Plot (LTE Band 13) – Ant2



Plot 7-362. 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]
675.00	V	112	121	-86.67	-3.39	16.94	-80.46	-13.00	-67.46

Table 7-78. Radiated Spurious Data (LTE Band 13 – Mid Channel) – Ant2

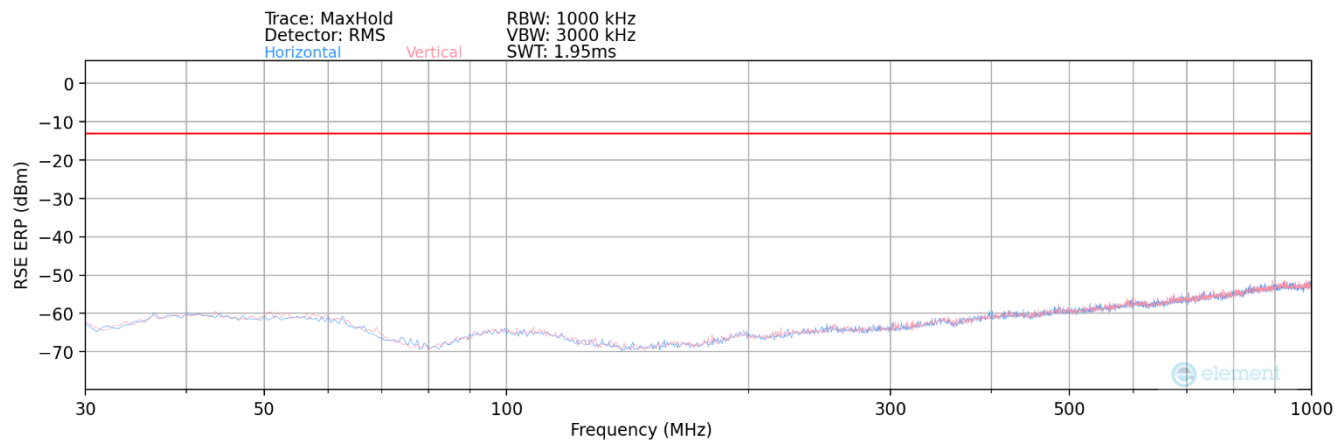
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	V	-	-	-71.60	-0.86	34.54	-60.72	-40.00	-20.72
2346.00	V	-	-	-80.75	3.37	29.62	-65.64	-13.00	-52.64
3128.00	V	-	-	-81.10	6.17	32.07	-63.19	-13.00	-50.19

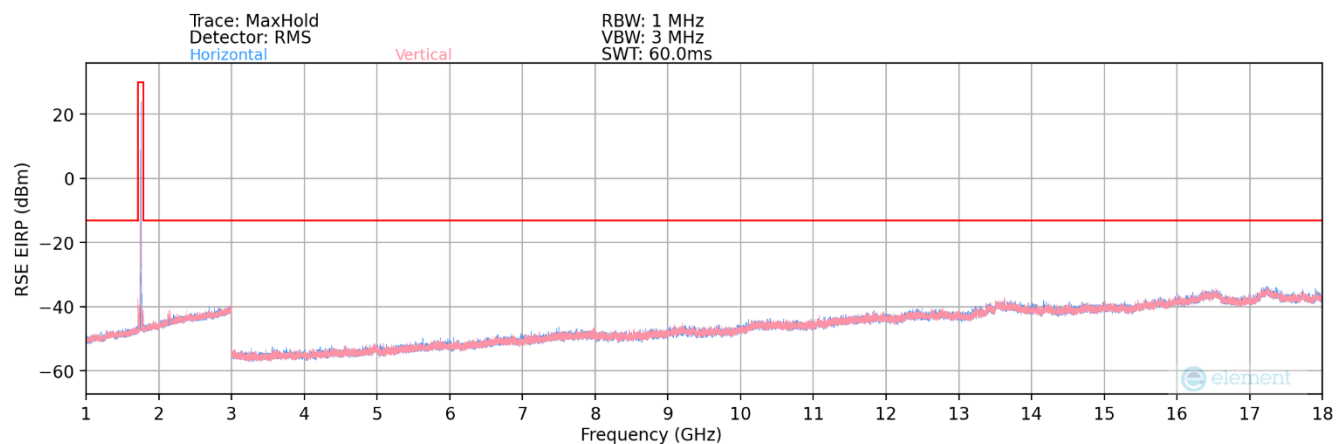
Table 7-79. Radiated Spurious Data (LTE Band 13) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager	
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset		Page 270 of 291	

LTE Band 66/4 – Ant2



Plot 7-363. Radiated Spurious Plot (LTE Band 66/4) – Ant2



Plot 7-364. 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]
175.00	V	-	-	-72.06	-15.55	19.39	-78.01	-13.00	-65.01
325.00	V	117	45	-74.74	-10.24	22.02	-75.38	-13.00	-62.38

Table 7-80. Radiated Spurious Data (LTE Band 66/4) – Ant2

FCC ID: A3LSMS948U	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	V	-	-	-79.55	5.00	32.45	-62.81	-13.00	-49.81
5160.00	V	-	-	-81.12	7.57	33.45	-61.80	-13.00	-48.80
6880.00	V	-	-	-81.69	11.38	36.69	-58.57	-13.00	-45.57

Table 7-81. 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	V	-	-	-79.16	4.95	32.79	-62.47	-13.00	-49.47
5235.00	V	-	-	-81.12	7.38	33.26	-62.00	-13.00	-49.00
6980.00	V	-	-	-81.60	10.75	36.15	-59.11	-13.00	-46.11

Table 7-82. Radiated Spurious Data (LTE Band 66/4 – Mid Channel) – Ant2

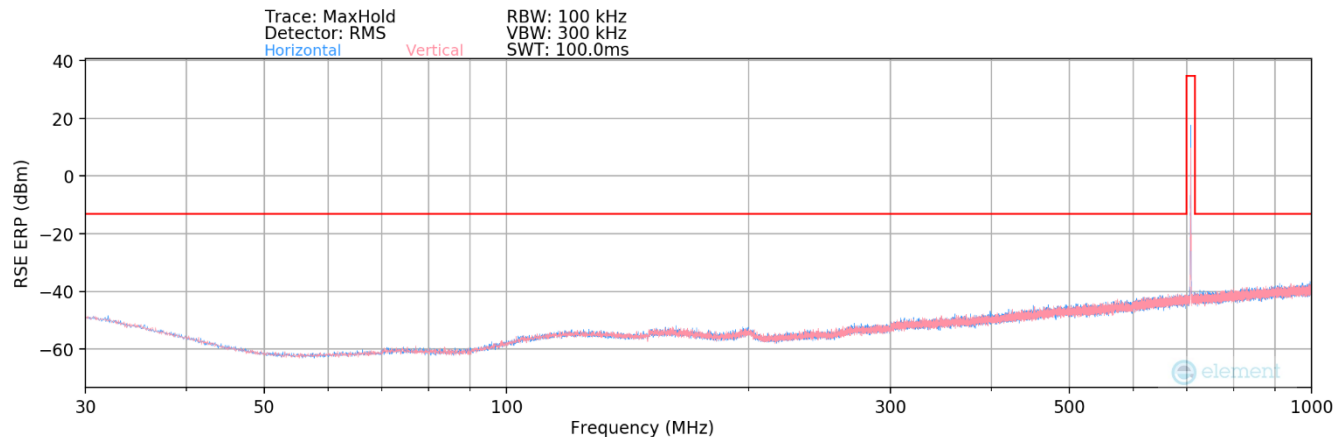
Bandwidth (MHz):	20
Frequency (MHz):	1770
RB / Offset:	1 / 50

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	V	-	-	-79.67	4.76	32.09	-63.17	-13.00	-50.17
5310.00	V	-	-	-81.11	7.66	33.55	-61.71	-13.00	-48.71
7080.00	V	-	-	-82.74	11.31	35.57	-59.68	-13.00	-46.68

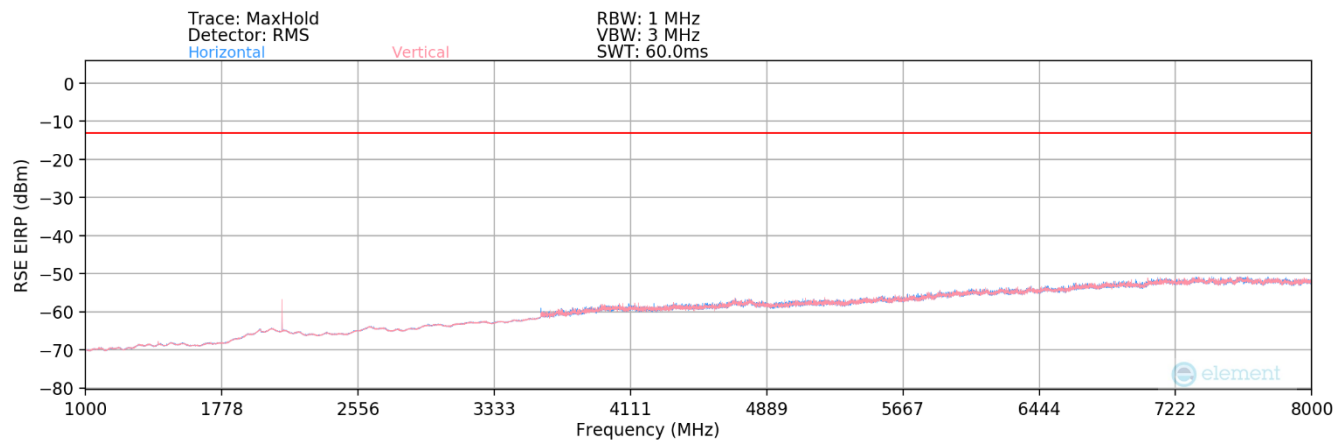
Table 7-83. Radiated Spurious Data (LTE Band 66/4 – High Channel) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n12 – Ant2



Plot 7-365. Radiated Spurious Plot (NR Band n12) – Ant2



Plot 7-366. Radiated Spurious Plot (NR Band n12) – Ant2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
200.00	V	-	-	-85.74	20.10	41.36	-56.04	-13.00	-43.04

Table 7-84. Radiated Spurious Data (NR Band n12) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT				Approved by: Technical Manager	
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset			Page 273 of 291	

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.00	V	134	332	-73.22	-7.02	26.76	-68.50	-13.00	-55.50
2119.50	V	212	8	-64.50	-2.93	39.57	-55.69	-13.00	-42.69
2826.00	V	-	-	-77.17	-2.88	26.95	-68.31	-13.00	-55.31
3532.50	V	-	-	-77.18	-0.27	29.55	-65.71	-13.00	-52.71
4239.00	V	-	-	-78.08	1.53	30.45	-64.81	-13.00	-51.81

Table 7-85. Radiated Spurious Data (NR Band n12 – Low Channel) – Ant2

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	V	132	332	-74.93	-7.01	25.06	-70.20	-13.00	-57.20
2122.50	V	218	12	-64.52	-2.94	39.54	-55.72	-13.00	-42.72
2830.00	V	-	-	-76.87	-2.81	27.32	-67.94	-13.00	-54.94
3537.50	V	-	-	-77.29	-0.25	29.46	-65.79	-13.00	-52.79
4245.00	V	-	-	-77.90	1.57	30.67	-64.59	-13.00	-51.59

Table 7-86. Radiated Spurious Data (NR Band n12 – Mid Channel) – Ant2

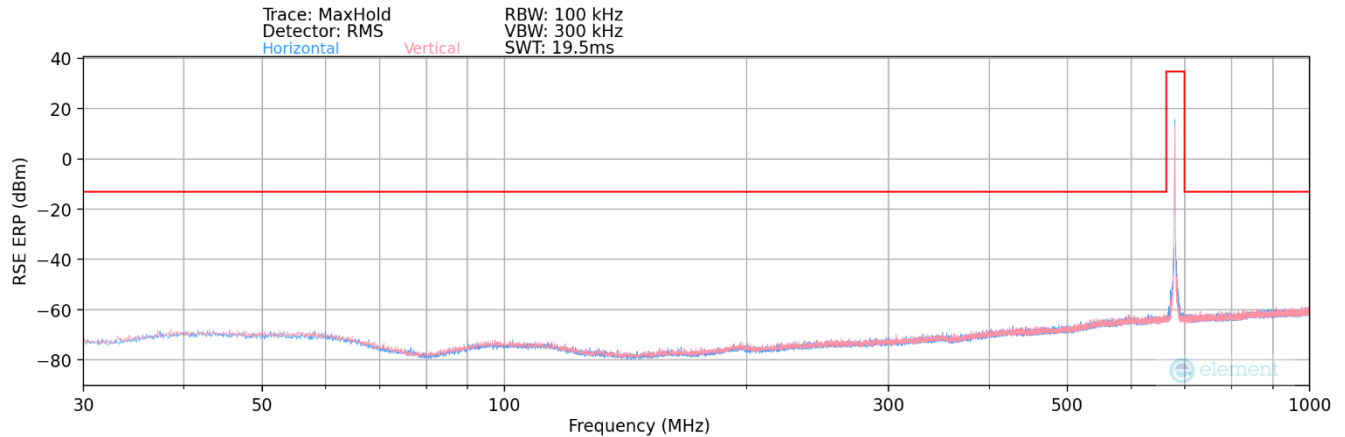
Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.00	V	129	325	-73.21	-7.01	26.78	-68.47	-13.00	-55.47
2125.50	V	279	16	-64.77	-2.96	39.27	-55.99	-13.00	-42.99
2834.00	V	-	-	-76.88	-2.75	27.37	-67.89	-13.00	-54.89
3542.50	V	-	-	-77.28	-0.22	29.50	-65.76	-13.00	-52.76
4251.00	V	-	-	-78.36	1.61	30.25	-65.01	-13.00	-52.01

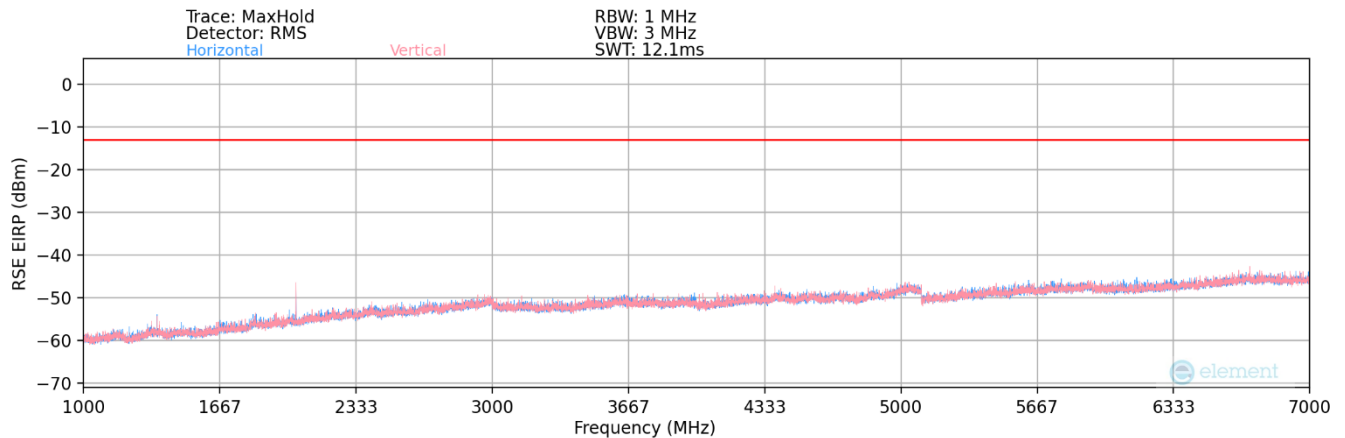
Table 7-87. Radiated Spurious Data (NR Band n12 – High Channel) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 274 of 291

NR Band n71 – Ant2



Plot 7-367. Radiated Spurious Plot (NR Band n71) – Ant2



Plot 7-368. Radiated Spurious Plot (NR Band n71) – Ant2

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]
150.00	H	-	-	-81.32	-16.75	8.93	-88.48	-13.00	-75.48
300.00	H	-	-	-84.43	-11.07	11.50	-85.90	-13.00	-72.90
450.00	H	-	-	-85.48	-7.87	13.65	-83.76	-13.00	-70.76

Table 7-88. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset		Page 275 of 291

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	156	327	-66.69	-0.28	40.03	-55.23	-13.00	-42.23
2019.00	H	105	317	-70.39	2.44	39.05	-56.20	-13.00	-43.20
2692.00	H	-	-	-78.75	5.05	33.30	-61.96	-13.00	-48.96
3365.00	H	-	-	-79.63	6.65	34.02	-61.24	-13.00	-48.24
4038.00	H	-	-	-80.27	8.11	34.84	-60.41	-13.00	-47.41

Table 7-89. Radiated Spurious Data (NR Band n71 – Low Channel) – Ant2

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	123	327	-70.88	-0.27	35.85	-59.41	-13.00	-46.41
2041.50	H	103	308	-60.60	1.89	48.29	-46.97	-13.00	-33.97
2722.00	H	-	-	-79.09	5.04	32.95	-62.31	-13.00	-49.31
3402.50	H	-	-	-79.46	6.47	34.01	-61.25	-13.00	-48.25
4083.00	H	-	-	-80.01	8.36	35.35	-59.90	-13.00	-46.90

Table 7-90. Radiated Spurious Data (NR Band n71 – Mid Channel) – Ant2

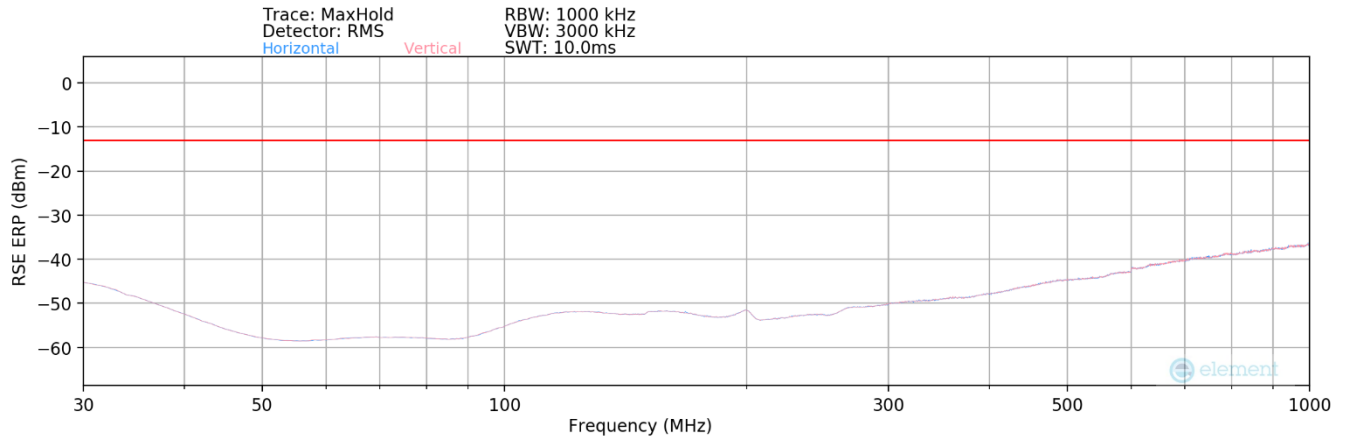
Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 50

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	231	330	-72.07	-0.56	34.37	-60.89	-13.00	-47.89
2064.00	H	127	319	-65.29	1.82	43.53	-51.73	-13.00	-38.73
2752.00	H	-	-	-78.87	4.62	32.75	-62.51	-13.00	-49.51
3440.00	H	-	-	-79.43	6.96	34.53	-60.73	-13.00	-47.73
4128.00	H	-	-	-79.92	8.28	35.36	-59.90	-13.00	-46.90

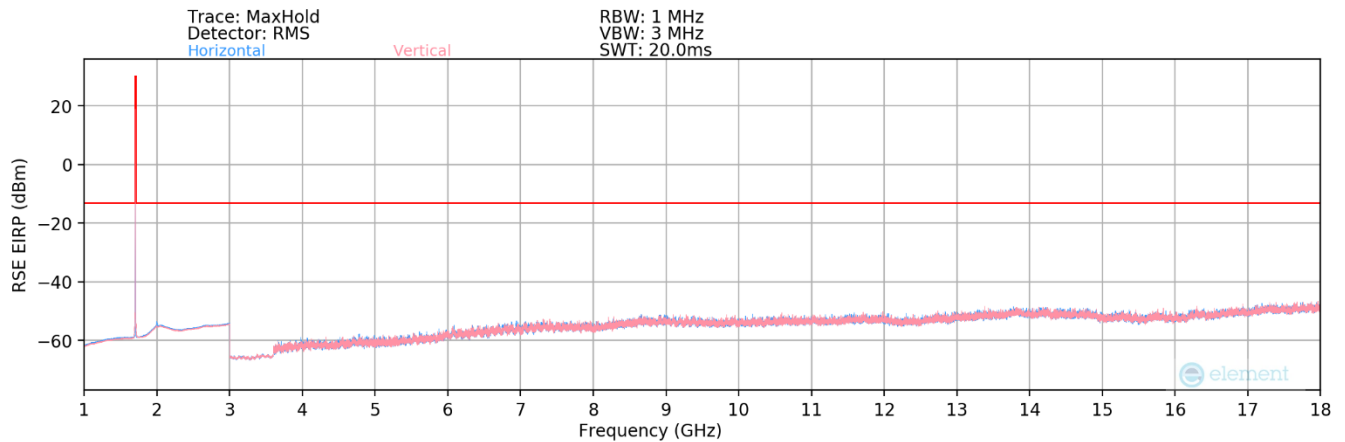
Table 7-91. Radiated Spurious Data (NR Band n71 – High Channel) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n70 – Ant2



Plot 7-369. Radiated Spurious Plot (NR Band n70) – Ant2



Plot 7-370. Radiated Spurious Plot (NR Band n70) – Ant2

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
520.00	H	-	-	-90.93	26.09	42.16	-55.25	-13.00	-42.25
750.00	H	-	-	-90.74	29.40	45.66	-51.74	-13.00	-38.74
850.00	H	-	-	-90.32	30.92	47.60	-49.81	-13.00	-36.81

Table 7-92. Radiated Spurious Data (NR Band n70) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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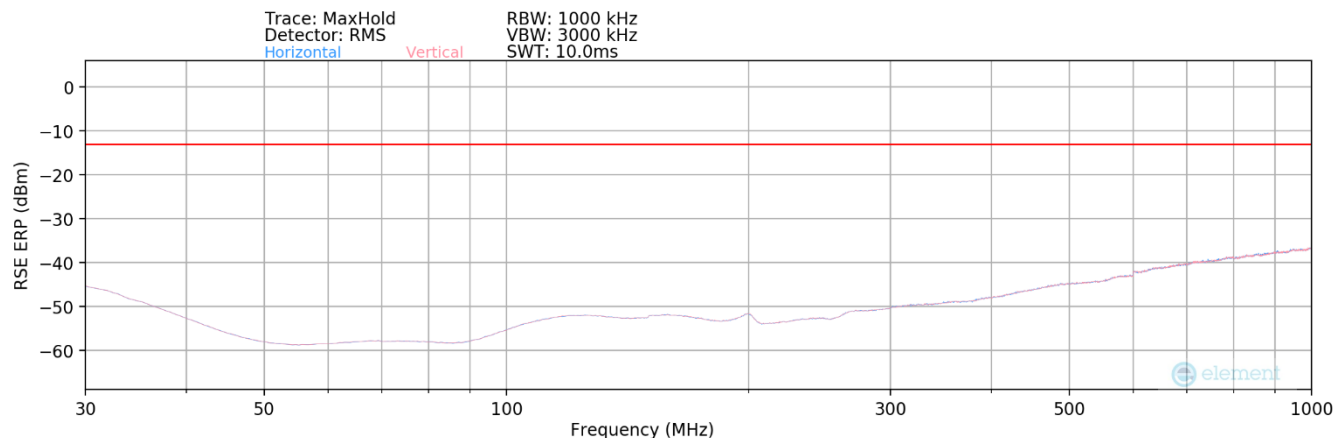
Bandwidth (MHz):	15
Frequency (MHz):	1702.5
RB / Offset:	1 / 39

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3405.00	H	-	-	-77.59	-0.01	29.40	-65.85	-13.00	-52.85
5107.50	H	355	94	-78.86	3.26	31.40	-63.86	-13.00	-50.86
6810.00	H	-	-	-79.73	8.68	35.95	-59.31	-13.00	-46.31
8512.50	H	-	-	-80.18	10.91	37.73	-57.52	-13.00	-44.52
10215.00	H	-	-	-80.74	11.95	38.21	-57.05	-13.00	-44.05

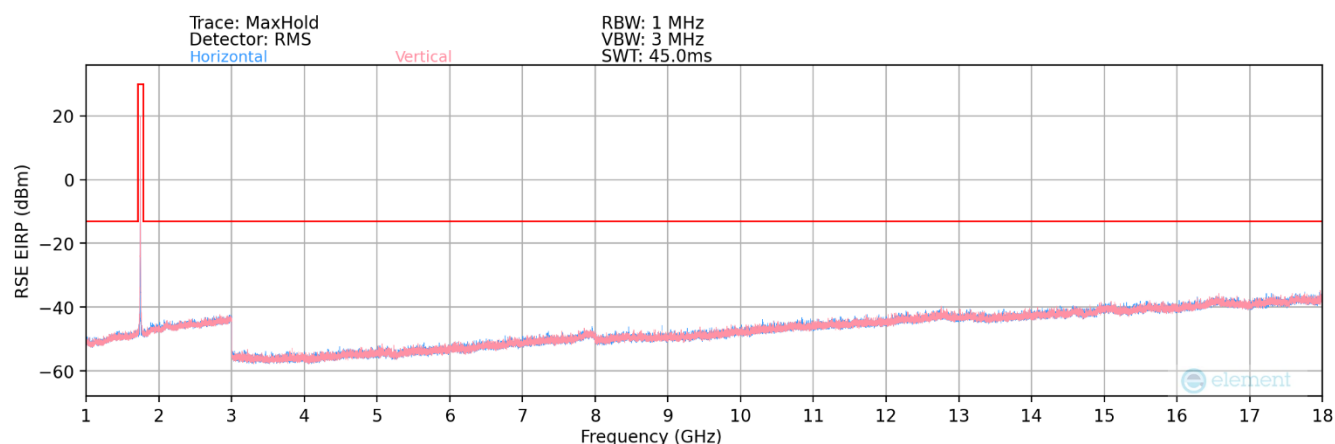
Table 7-93. Radiated Spurious Data (NR Band n70 – Mid Channel) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – Ant2



Plot 7-371. Radiated Spurious Plot (NR Band n66) – Ant2



Plot 7-372. 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]
360.00	H	-	-	-91.35	22.08	37.73	-59.67	-13.00	-46.67
560.00	H	-	-	-90.89	26.62	42.73	-54.68	-13.00	-41.68
740.00	H	-	-	-90.81	29.30	45.49	-51.92	-13.00	-38.92

Table 7-94. Radiated Spurious Data (NR Band n66) – Ant2

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset		Page 279 of 291

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	-	-	-78.84	5.16	33.32	-61.94	-13.00	-48.94
5190.00	H	-	-	-79.56	7.18	34.62	-60.64	-13.00	-47.64
6920.00	H	-	-	-80.57	11.41	37.84	-57.42	-13.00	-44.42

Table 7-95. 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	-	-	-78.92	5.13	33.21	-62.05	-13.00	-49.05
5235.00	H	-	-	-79.48	7.29	34.81	-60.45	-13.00	-47.45
6980.00	H	-	-	-80.26	11.11	37.85	-57.41	-13.00	-44.41

Table 7-96. 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	-	-	-78.84	5.09	33.25	-62.01	-13.00	-49.01
5280.00	H	-	-	-79.31	7.16	34.85	-60.41	-13.00	-47.41
7040.00	H	-	-	-79.99	11.26	38.27	-56.99	-13.00	-43.99

Table 7-97. Radiated Spurious Data (NR Band n66 – High Channel) – Ant2

FCC ID: A3LSMS948U	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

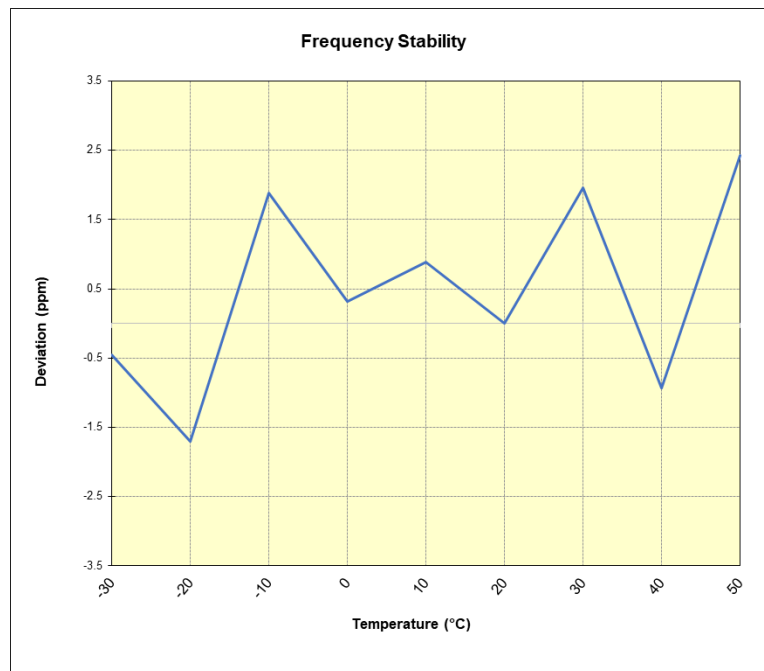
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2508250078-08.A3L	Test Dates: 9/2/2025 - 10/10/2025	EUT Type: Portable Handset	Page 281 of 291

LTE Band 71

Operating Frequency (Hz):	680,500,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	680,505,091	-307	-0.0000451
		- 20	680,504,242	-1,156	-0.0001699
		- 10	680,506,680	1,282	0.0001884
		0	680,505,612	214	0.0000314
		+ 10	680,506,004	606	0.0000891
		+ 20 (Ref)	680,505,398	0	0.0000000
		+ 30	680,506,732	1,334	0.0001960
		+ 40	680,504,765	-633	-0.0000930
		+ 50	680,507,045	1,647	0.0002420
Battery Endpoint	3.682	+ 20	680,504,963	-435	-0.0000639

Table 7-98. LTE Band 71 Frequency Stability Data



Plot 7-373. LTE Band 71 Frequency Stability Chart

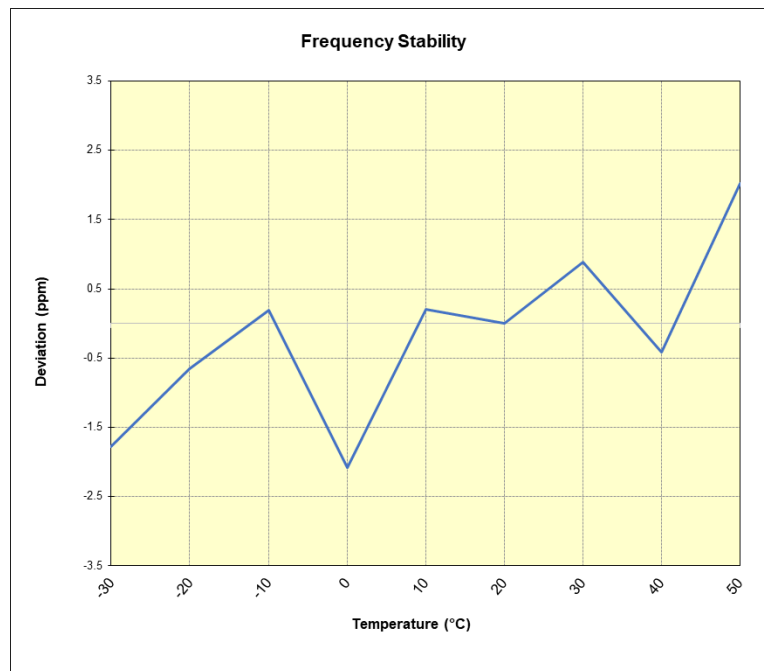
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 12

Operating Frequency (Hz):	707,500,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	707,502,312	-1,259	-0.0001779
		- 20	707,503,104	-467	-0.0000660
		- 10	707,503,710	139	0.0000196
		0	707,502,103	-1,468	-0.0002075
		+ 10	707,503,712	141	0.0000199
		+ 20 (Ref)	707,503,571	0	0.0000000
		+ 30	707,504,198	627	0.0000886
		+ 40	707,503,278	-293	-0.0000414
		+ 50	707,505,002	1,431	0.0002023
Battery Endpoint	3.682	+ 20	707,502,006	-1,565	-0.0002212

Table 7-99. LTE Band 12 Frequency Stability Data



Plot 7-374. LTE Band 12 Frequency Stability Chart

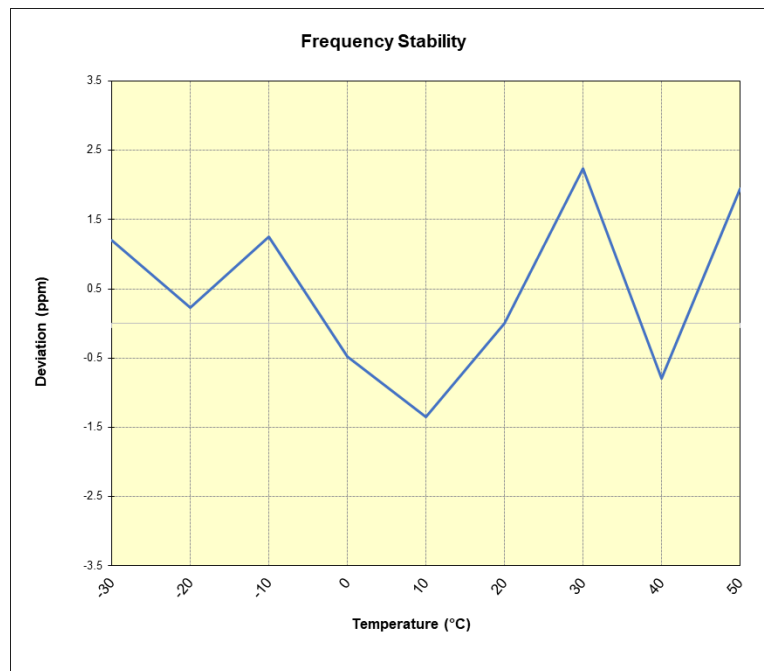
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 13

Operating Frequency (Hz):	782,000,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	782,004,006	936	0.0001197
		- 20	782,003,248	178	0.0000228
		- 10	782,004,049	979	0.0001252
		0	782,002,694	-376	-0.0000481
		+ 10	782,002,012	-1,058	-0.0001353
		+ 20 (Ref)	782,003,070	0	0.0000000
		+ 30	782,004,819	1,749	0.0002237
		+ 40	782,002,451	-619	-0.0000792
		+ 50	782,004,597	1,527	0.0001953
Battery Endpoint	3.682	+ 20	782,001,291	-1,779	-0.0002275

Table 7-100. LTE Band 13 Frequency Stability Data



Plot 7-375. LTE Band 13 Frequency Stability Chart

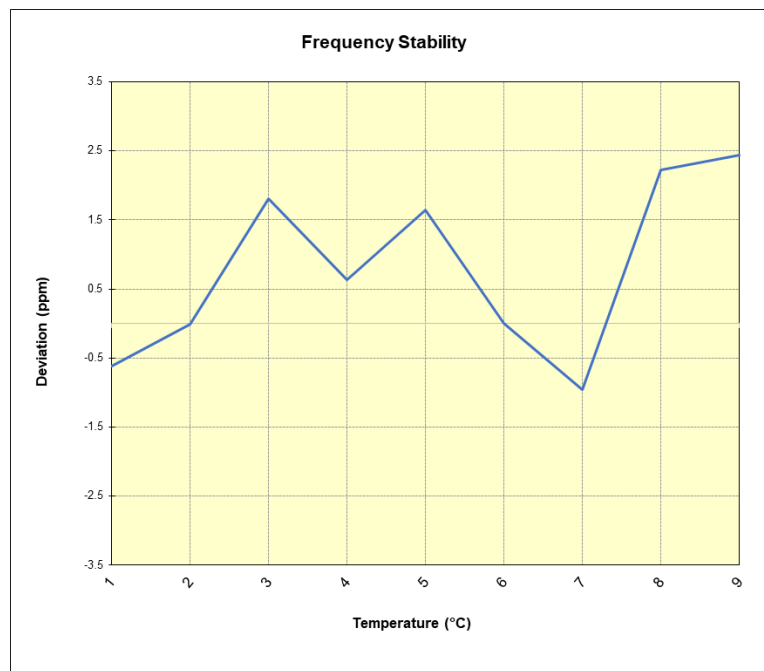
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4

Operating Frequency (Hz):	1,745,000,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	1,744,992,918	-1,084	-0.0000621
		- 20	1,744,993,976	-26	-0.0000015
		- 10	1,744,997,152	3,150	0.0001805
		0	1,744,995,102	1,100	0.0000630
		+ 10	1,744,996,873	2,871	0.0001645
		+ 20 (Ref)	1,744,994,002	0	0.0000000
		+ 30	1,744,992,342	-1,660	-0.0000951
		+ 40	1,744,997,881	3,879	0.0002223
		+ 50	1,744,998,254	4,252	0.0002437
Battery Endpoint	3.682	+ 20	1,744,992,971	-1,031	-0.0000591

Table 7-101. LTE Band 66/4 Frequency Stability Data



Plot 7-376. LTE Band 66/4 Frequency Stability Chart

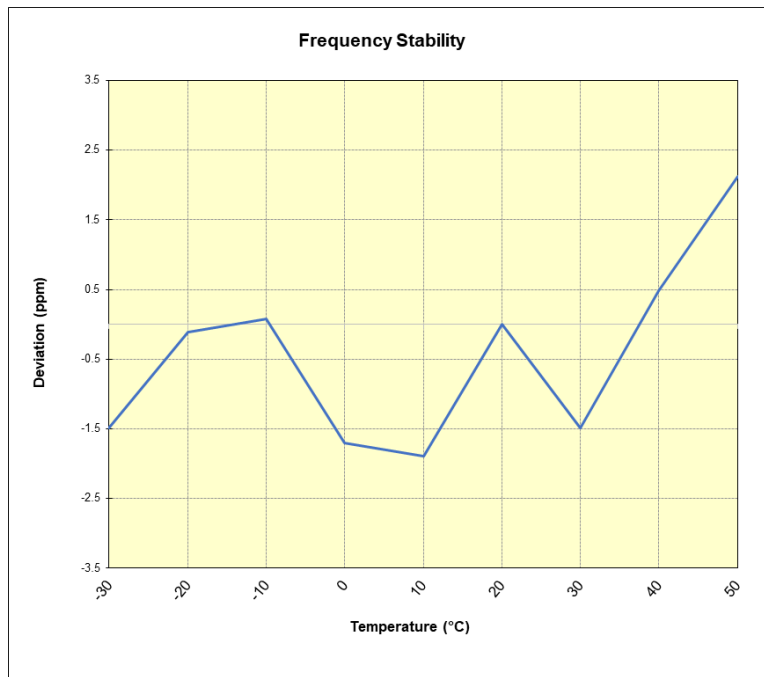
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n71

Operating Frequency (Hz):	680,500,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	680,586,485	-1,016	-0.0001493
		- 20	680,587,429	-72	-0.0000106
		- 10	680,587,554	53	0.0000078
		0	680,586,341	-1,160	-0.0001704
		+ 10	680,586,214	-1,287	-0.0001891
		+ 20 (Ref)	680,587,501	0	0.0000000
		+ 30	680,586,492	-1,009	-0.0001483
		+ 40	680,587,833	332	0.0000488
		+ 50	680,588,946	1,445	0.0002123
Battery Endpoint	3.682	+ 20	680,589,138	1,637	0.0002405

Table 7-102. NR Band n71 Frequency Stability Data



Plot 7-377. NR Band n71 Frequency Stability Chart

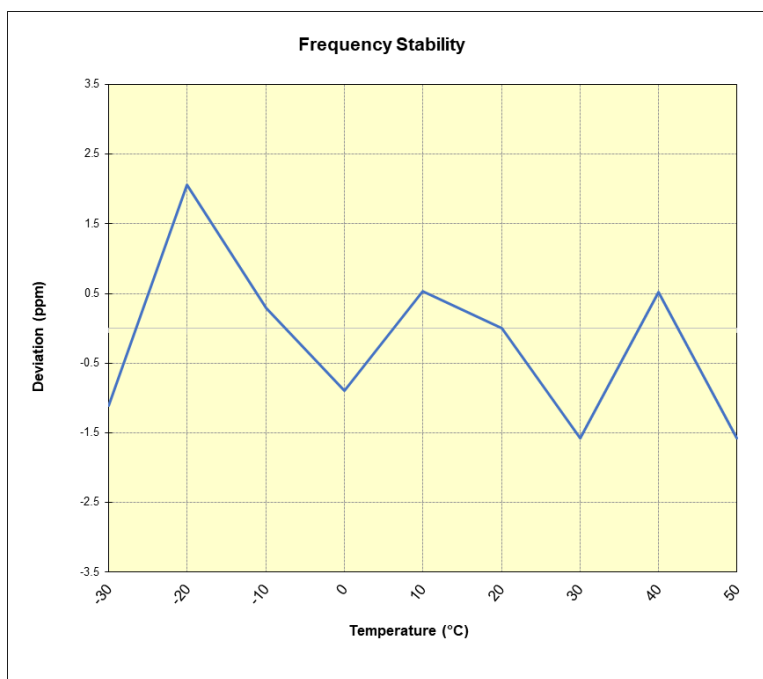
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n12

Operating Frequency (Hz):	707,500,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	707,500,932	-786	-0.0001111
		- 20	707,503,175	1,457	0.0002059
		- 10	707,501,925	207	0.0000293
		0	707,501,088	-630	-0.0000891
		+ 10	707,502,098	380	0.0000537
		+ 20 (Ref)	707,501,718	0	0.0000000
		+ 30	707,500,604	-1,114	-0.0001575
		+ 40	707,502,086	368	0.0000520
		+ 50	707,500,604	-1,114	-0.0001575
Battery Endpoint	3.682	+ 20	707,501,186	-532	-0.0000752

Table 7-103. NR Band n12 Frequency Stability Data



Plot 7-378. NR Band n12 Frequency Stability Chart

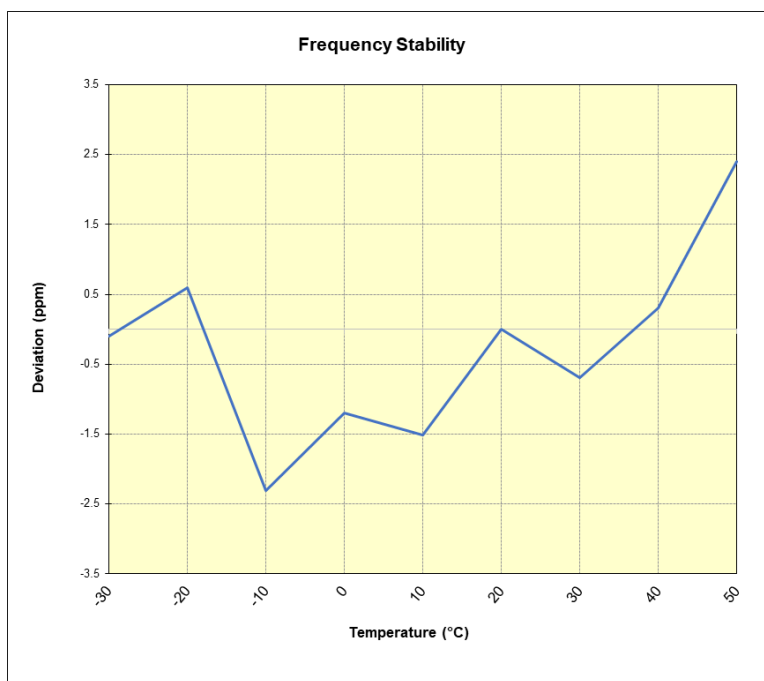
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n70

Operating Frequency (Hz):	1,702,500,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	$\pm 0.00025\%$ or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	1,702,500,734	-164	-0.0000096
		- 20	1,702,501,902	1,004	0.0000590
		- 10	1,702,496,974	-3,924	-0.0002305
		0	1,702,498,860	-2,038	-0.0001197
		+ 10	1,702,498,326	-2,572	-0.0001511
		+ 20 (Ref)	1,702,500,898	0	0.0000000
		+ 30	1,702,499,726	-1,172	-0.0000688
		+ 40	1,702,501,413	515	0.0000302
		+ 50	1,702,504,982	4,084	0.0002399
Battery Endpoint	3.682	+ 20	1,702,502,772	1,874	0.0001101

Table 7-104. NR Band n70 Frequency Stability Data



Plot 7-379. NR Band n70 Frequency Stability Chart

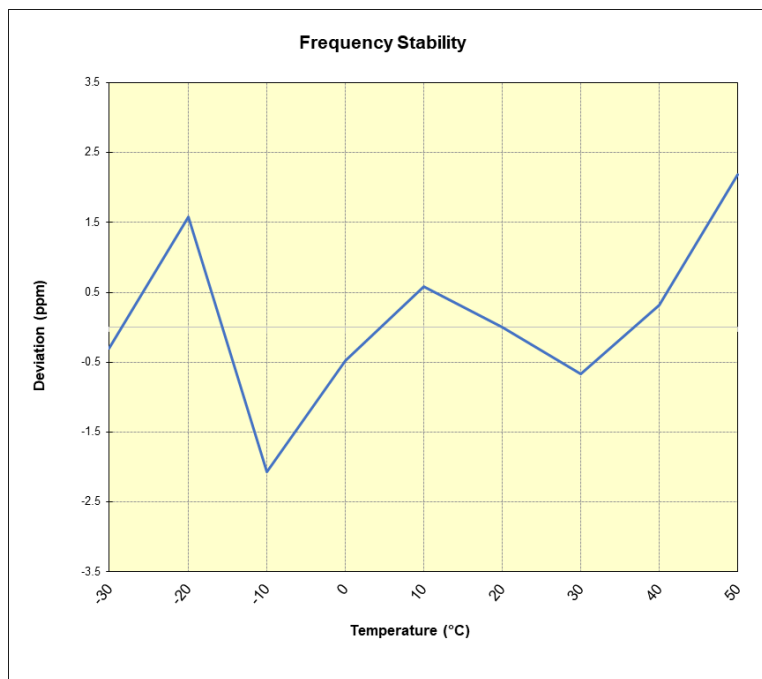
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66

Operating Frequency (Hz):	1,745,000,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	1,745,066,873	-517	-0.0000296
		- 20	1,745,070,144	2,754	0.0001578
		- 10	1,745,063,780	-3,610	-0.0002069
		0	1,745,066,554	-836	-0.0000479
		+ 10	1,745,068,415	1,025	0.0000587
		+ 20 (Ref)	1,745,067,390	0	0.0000000
		+ 30	1,745,066,228	-1,162	-0.0000666
		+ 40	1,745,067,948	558	0.0000320
		+ 50	1,745,071,204	3,814	0.0002186
Battery Endpoint	3.682	+ 20	1,745,068,268	878	0.0000503

Table 7-105. NR Band n66 Frequency Stability Data



Plot 7-380. NR Band n66 Frequency Stability Chart

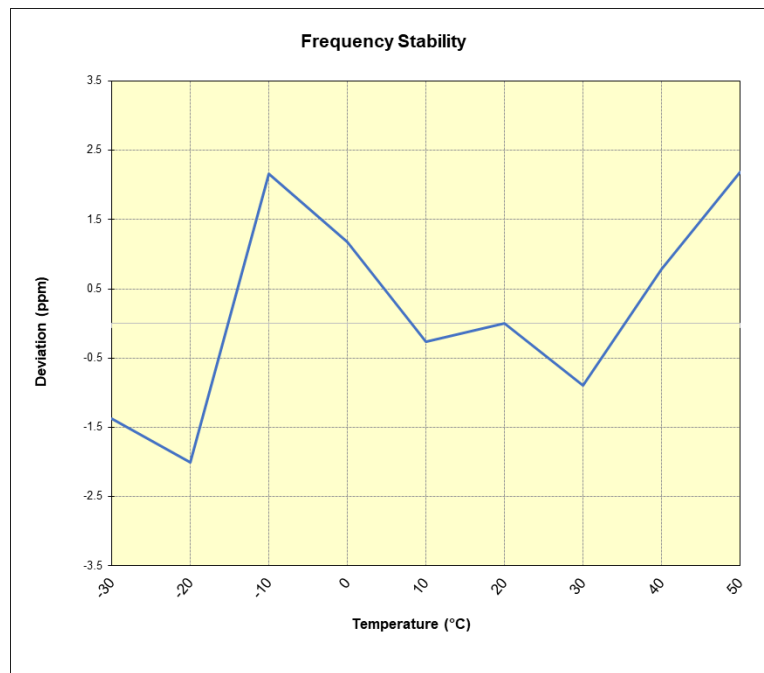
FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA AWS

Operating Frequency (Hz):	1,732,600,000
Ref. Voltage (VDC):	4.464
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.464	- 30	1,732,581,266	-2,382	-0.0001375
		- 20	1,732,580,186	-3,462	-0.0001998
		- 10	1,732,587,384	3,736	0.0002156
		0	1,732,585,680	2,032	0.0001173
		+ 10	1,732,583,200	-448	-0.0000259
		+ 20 (Ref)	1,732,583,648	0	0.0000000
		+ 30	1,732,582,094	-1,554	-0.0000897
		+ 40	1,732,585,012	1,364	0.0000787
		+ 50	1,732,587,432	3,784	0.0002184
Battery Endpoint	3.682	+ 20	1,732,585,068	1,420	0.0000819

Table 7-106. WCDMA AWS Frequency Stability Data



Plot 7-381. WCDMA AWS 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: A3LSMS948U** complies with all the requirements of Part 27 of the FCC rules.

- END OF TEST REPORT -

FCC ID: A3LSMS948U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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