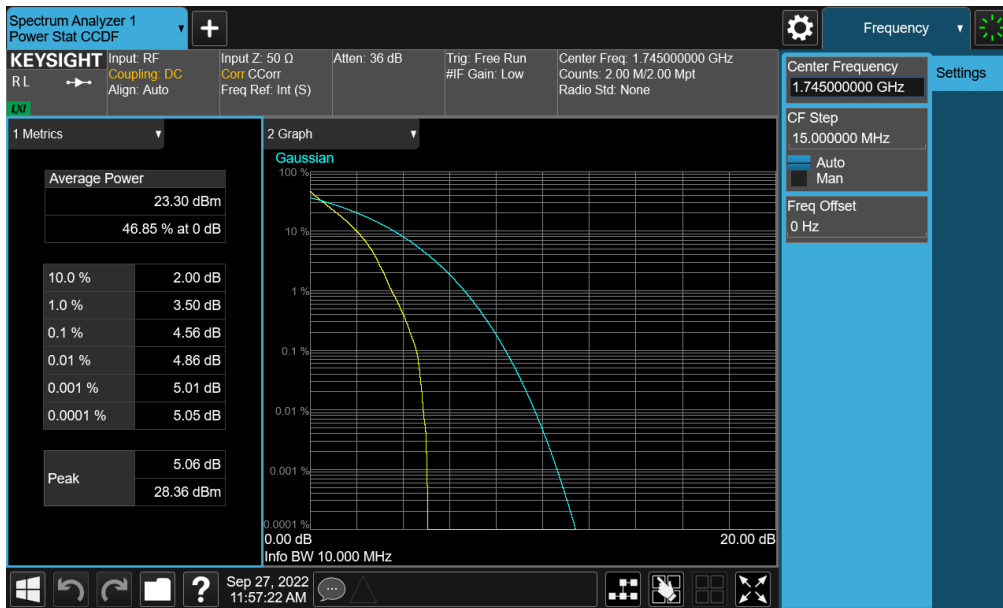




Plot 7-451. PAR Plot (NR Band n66 - 15.0MHz CP-OFDM 256-QAM - Full RB - Ant F)



Plot 7-452. PAR Plot (NR Band n66 - 10.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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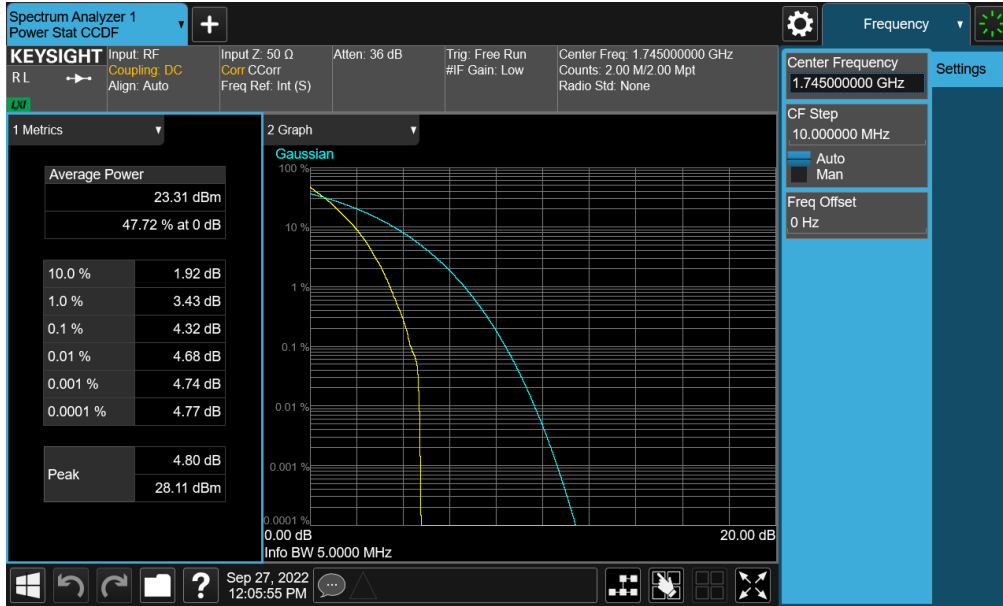


Plot 7-453. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM QPSK - Full RB - Ant F)



Plot 7-454. PAR Plot (NR Band n66 - 10.0MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-455. PAR Plot (NR Band n66 - 5.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)




Plot 7-456. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Plot 7-457. PAR Plot (NR Band n66 - 5.0MHz CP-OFDM 256-QAM - Full RB - Ant F)

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Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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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 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points \geq 2 x 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.

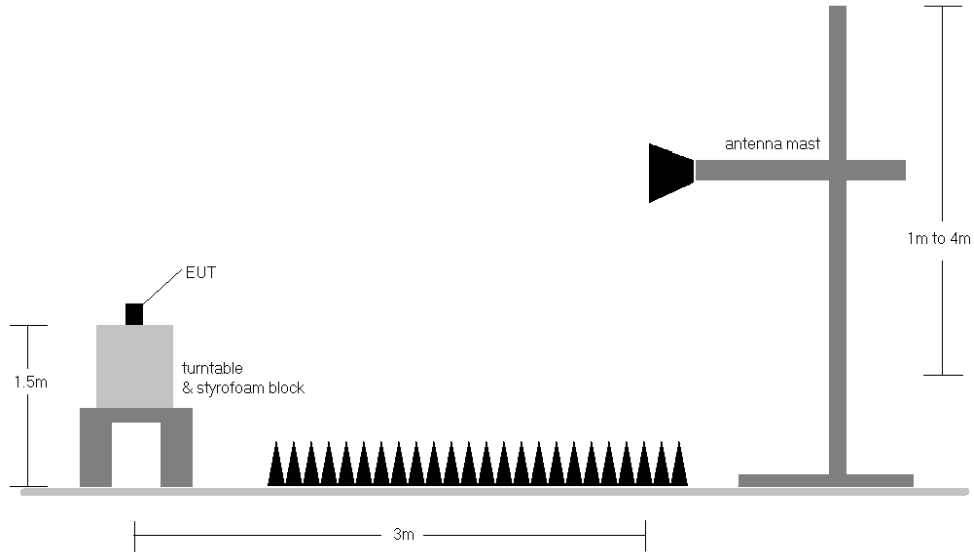


Figure 7-6. Radiated Test Setup <1GHz

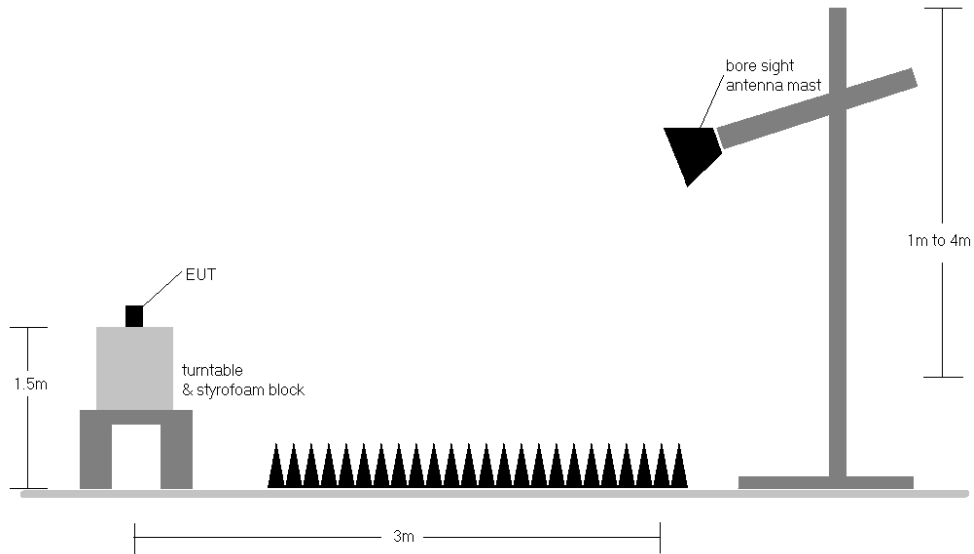




Figure 7-7. Radiated Test Setup >1GHz

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) 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.

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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- 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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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	131	284	2.99	1 / 50	17.26	20.25	0.106	36.99	-16.74	18.10	0.065	34.77	-16.67
	QPSK	680.50	H	141	280	3.09	1 / 99	17.74	20.83	0.121	36.99	-16.16	18.68	0.074	34.77	-16.10
	QPSK	688.00	H	145	288	3.08	1 / 50	17.81	20.89	0.123	36.99	-16.10	18.74	0.075	34.77	-16.03
	16-QAM	688.00	H	145	288	3.28	1 / 50	17.10	20.38	0.109	36.99	-16.61	18.23	0.067	34.77	-16.54
15 MHz	QPSK	670.50	H	131	284	2.76	1 / 37	17.39	20.15	0.103	36.99	-16.84	18.00	0.063	34.77	-16.77
	QPSK	680.50	H	141	280	3.09	1 / 37	17.73	20.82	0.121	36.99	-16.17	18.67	0.074	34.77	-16.10
	QPSK	690.50	H	145	288	3.31	1 / 74	17.64	20.95	0.125	36.99	-16.04	18.80	0.076	34.77	-15.97
	16-QAM	690.50	H	145	288	3.31	1 / 74	17.14	20.45	0.111	36.99	-16.54	18.30	0.068	34.77	-16.47
10 MHz	QPSK	668.00	H	131	284	2.72	1 / 25	17.58	20.31	0.107	36.99	-16.68	18.16	0.065	34.77	-16.62
	QPSK	680.50	H	141	280	3.09	1 / 25	17.99	21.07	0.128	36.99	-15.92	18.92	0.078	34.77	-15.85
	QPSK	693.00	H	145	288	3.44	1 / 25	17.79	21.23	0.133	36.99	-15.76	19.08	0.081	34.77	-15.69
	16-QAM	693.00	H	145	288	3.44	1 / 25	17.22	20.66	0.116	36.99	-16.33	18.51	0.071	34.77	-16.26
5 MHz	QPSK	665.50	H	131	284	2.59	1 / 12	17.73	20.32	0.108	36.99	-16.67	18.17	0.066	34.77	-16.60
	QPSK	680.50	H	141	280	3.09	1 / 12	18.04	21.13	0.130	36.99	-15.86	18.98	0.079	34.77	-15.79
	QPSK	695.50	H	145	288	3.48	1 / 12	17.64	21.12	0.129	36.99	-15.87	18.97	0.079	34.77	-15.80
	16-QAM	695.50	H	145	288	3.48	1 / 12	17.29	20.77	0.119	36.99	-16.22	18.62	0.073	34.77	-16.15
20 MHz	Opposite Pol.	688.00	V	188	186	3.28	1 / 99	16.37	19.65	0.092	36.99	-17.34	17.50	0.056	34.77	-17.27
	WCP	688.00	H	153	35	3.09	1 / 99	14.26	17.35	0.054	36.99	-19.64	15.20	0.033	34.77	-19.58


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

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	183	267	3.58	1 / 0	17.91	21.49	0.141	36.99	-15.50	19.34	0.086	34.77	-15.43
	QPSK	707.50	V	181	256	3.62	1 / 0	17.64	21.26	0.134	36.99	-15.73	19.11	0.082	34.77	-15.66
	QPSK	711.00	V	172	260	3.67	1 / 0	17.31	20.98	0.125	36.99	-16.01	18.83	0.076	34.77	-15.94
	16-QAM	704.00	V	183	267	3.58	1 / 0	17.15	20.73	0.118	36.99	-16.26	18.58	0.072	34.77	-16.19
5 MHz	QPSK	701.50	V	183	267	3.55	1 / 0	18.10	21.65	0.146	36.99	-15.34	19.50	0.089	34.77	-15.27
	QPSK	707.50	V	181	256	3.62	1 / 24	17.66	21.29	0.134	36.99	-15.70	19.14	0.082	34.77	-15.63
	QPSK	713.50	V	172	260	3.80	1 / 12	17.20	21.00	0.126	36.99	-15.99	18.85	0.077	34.77	-15.92
	16-QAM	701.50	V	183	267	3.55	1 / 0	17.04	20.59	0.115	36.99	-16.40	18.44	0.070	34.77	-16.33
3 MHz	QPSK	700.50	V	183	267	3.54	1 / 7	18.19	21.73	0.149	36.99	-15.26	19.58	0.091	34.77	-15.19
	QPSK	707.50	V	181	256	3.62	1 / 14	17.77	21.40	0.138	36.99	-15.59	19.25	0.084	34.77	-15.52
	QPSK	714.50	V	172	260	3.81	1 / 7	17.18	20.99	0.126	36.99	-16.00	18.84	0.077	34.77	-15.93
	16-QAM	700.50	V	183	267	3.54	1 / 7	17.07	20.61	0.115	36.99	-16.38	18.46	0.070	34.77	-16.32
1.4 MHz	QPSK	699.70	V	183	267	3.53	1 / 5	18.21	21.74	0.149	36.99	-15.25	19.59	0.091	34.77	-15.18
	QPSK	707.50	V	181	256	3.62	1 / 3	17.79	21.41	0.138	36.99	-15.58	19.26	0.084	34.77	-15.51
	QPSK	715.30	V	172	260	3.85	1 / 5	17.25	21.10	0.129	36.99	-15.89	18.95	0.078	34.77	-15.82
	16-QAM	699.70	V	183	267	3.53	1 / 5	17.26	20.78	0.120	36.99	-16.21	18.63	0.073	34.77	-16.14
10 MHz	Opposite Pol.	704.00	H	146	284	3.48	1 / 0	13.68	17.16	0.052	36.99	-19.83	15.01	0.032	34.77	-19.76
	WCP	704.00	V	171	244	3.58	1 / 25	13.18	16.76	0.047	36.99	-20.23	14.61	0.029	34.77	-20.16

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


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	153	239	5.99	1 / 25	16.18	22.17	0.165	36.99	-14.82	20.02	0.101	34.77	-14.75
	16-QAM	782.00	V	153	239	5.99	1 / 25	-21.34	-15.35	0.000	36.99	-52.34	-17.50	0.000	34.77	-52.27
5 MHz	QPSK	779.50	V	153	239	5.97	1 / 24	16.22	22.18	0.165	36.99	-14.81	20.03	0.101	34.77	-14.74
	QPSK	782.00	V	153	239	5.99	1 / 12	16.26	22.25	0.168	36.99	-14.74	20.10	0.102	34.77	-14.67
	QPSK	784.50	V	153	239	6.07	1 / 12	16.11	22.18	0.165	36.99	-14.81	20.03	0.101	34.77	-14.74
	16-QAM	784.50	V	153	239	6.07	1 / 12	-21.14	-15.07	0.000	36.99	-52.06	-17.22	0.000	34.77	-51.99
10 MHz	Opposite Pol.	782.00	H	233	283	6.09	1 / 49	15.28	21.37	0.137	36.99	-15.62	19.22	0.084	34.77	-15.55
	WCP	782.00	V	139	345	5.99	1 / 25	9.66	15.65	0.037	36.99	-21.34	13.50	0.022	34.77	-21.27

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

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.00	V	112	318	9.33	1 / 0	15.11	24.44	0.278	30.00	-5.56
	QPSK	1745.00	V	105	324	9.03	1 / 50	15.52	24.55	0.285	30.00	-5.45
	QPSK	1770.00	V	127	323	9.10	1 / 50	15.15	24.25	0.266	30.00	-5.75
	16-QAM	1745.00	V	105	324	9.03	1 / 50	14.80	23.83	0.242	30.00	-6.17
15 MHz	QPSK	1717.50	V	112	318	9.38	1 / 74	15.14	24.52	0.283	30.00	-5.48
	QPSK	1745.00	V	105	324	9.03	1 / 37	15.47	24.51	0.282	30.00	-5.49
	QPSK	1772.50	V	127	323	9.11	1 / 37	15.12	24.24	0.265	30.00	-5.76
	16-QAM	1772.50	V	127	323	9.11	1 / 37	14.54	23.85	0.232	30.00	-6.35
10 MHz	QPSK	1715.00	V	112	318	9.42	1 / 25	15.01	24.44	0.278	30.00	-5.56
	QPSK	1745.00	V	105	324	9.03	1 / 25	15.51	24.54	0.285	30.00	-5.46
	QPSK	1775.00	V	127	323	9.13	1 / 0	15.25	24.38	0.274	30.00	-5.62
	16-QAM	1745.00	V	105	324	9.03	1 / 25	14.80	23.83	0.242	30.00	-6.17
5 MHz	QPSK	1712.50	V	112	318	9.47	1 / 12	15.09	24.56	0.285	30.00	-5.44
	QPSK	1745.00	V	105	324	9.03	1 / 24	15.55	24.58	0.287	30.00	-5.42
	QPSK	1777.50	V	127	323	9.15	1 / 12	15.16	24.31	0.270	30.00	-5.69
	16-QAM	1712.50	V	112	318	9.47	1 / 12	14.48	23.95	0.248	30.00	-6.05
3 MHz	QPSK	1711.50	V	112	318	9.49	1 / 7	14.94	24.42	0.277	30.00	-5.58
	QPSK	1745.00	V	105	324	9.03	1 / 7	15.62	24.65	0.292	30.00	-5.35
	QPSK	1778.50	V	127	323	9.15	1 / 7	15.13	24.28	0.268	30.00	-5.72
	16-QAM	1745.00	V	105	324	9.03	1 / 7	14.81	23.85	0.243	30.00	-6.15
1.4 MHz	QPSK	1710.70	V	112	318	9.50	1 / 3	14.99	24.50	0.282	30.00	-5.50
	QPSK	1745.00	V	105	324	9.03	1 / 3	15.52	24.55	0.285	30.00	-5.45
	QPSK	1779.30	V	127	323	9.16	1 / 3	15.16	24.32	0.270	30.00	-5.68
	16-QAM	1745.00	V	105	324	9.03	1 / 3	14.82	23.85	0.243	30.00	-6.15
20 MHz	Opposite Pol.	1745.00	H	164	222	9.48	1 / 99	14.26	23.74	0.237	30.00	-6.26
	WCP	1745.00	V	129	50	9.03	1 / 50	10.18	19.21	0.083	30.00	-10.79

Table 7-24. EIRP Data (LTE Band 66/4 – ANT A)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
40 MHz	$\pi/2$ BPSK	1730.00	V	103	316	9.20	1 / 161	16.02	25.22	0.332	30.00	-4.78
	$\pi/2$ BPSK	1745.00	V	103	311	9.03	1 / 54	15.79	24.82	0.304	30.00	-5.18
	$\pi/2$ BPSK	1760.00	V	102	318	9.08	1 / 54	15.78	24.86	0.306	30.00	-5.14
	QPSK	1730.00	V	103	316	9.20	1 / 161	15.81	25.01	0.317	30.00	-4.99
	QPSK	1745.00	V	103	311	9.03	1 / 54	15.69	24.72	0.297	30.00	-5.28
	QPSK	1760.00	V	102	318	9.08	1 / 54	15.66	24.74	0.298	30.00	-5.26
16-QAM	1730.00	V	103	316	9.20	1 / 161	15.22	24.42	0.276	30.00	-5.58	
30 MHz	$\pi/2$ BPSK	1725.00	V	103	316	9.26	1 / 119	15.83	25.09	0.323	30.00	-4.91
	$\pi/2$ BPSK	1745.00	V	103	311	9.03	1 / 80	15.82	24.85	0.305	30.00	-5.15
	$\pi/2$ BPSK	1765.00	V	102	318	9.09	1 / 80	15.75	24.84	0.305	30.00	-5.16
	QPSK	1725.00	V	103	316	9.26	1 / 119	15.71	24.98	0.315	30.00	-5.02
	QPSK	1745.00	V	103	311	9.03	1 / 80	15.70	24.73	0.297	30.00	-5.27
	QPSK	1765.00	V	102	318	9.09	1 / 80	15.72	24.81	0.303	30.00	-5.19
16-QAM	1725.00	V	103	316	9.26	1 / 119	15.22	24.48	0.281	30.00	-5.52	
16-QAM	1745.00	V	103	311	9.03	1 / 80	14.57	23.61	0.229	30.00	-6.39	
16-QAM	1765.00	V	102	318	9.09	1 / 80	14.80	23.89	0.245	30.00	-6.11	
25 MHz	$\pi/2$ BPSK	1722.50	V	103	316	9.26	1 / 64	16.25	25.51	0.356	30.00	-4.49
	$\pi/2$ BPSK	1745.00	V	103	311	9.03	1 / 64	16.42	25.46	0.351	30.00	-4.54
	$\pi/2$ BPSK	1767.50	V	102	318	9.09	1 / 96	16.24	25.33	0.341	30.00	-4.67
	QPSK	1722.50	V	103	316	9.26	1 / 64	16.27	25.53	0.357	30.00	-4.47
	QPSK	1745.00	V	103	311	9.03	1 / 64	16.39	25.43	0.349	30.00	-4.57
	QPSK	1767.50	V	102	318	9.09	1 / 96	16.31	25.40	0.347	30.00	-4.60
16-QAM	1745.00	V	103	311	9.03	1 / 64	15.35	24.39	0.275	30.00	-5.61	
20 MHz	$\pi/2$ BPSK	1720.00	V	103	316	9.33	1 / 79	15.73	25.07	0.321	30.00	-4.93
	$\pi/2$ BPSK	1745.00	V	103	311	9.03	1 / 26	15.90	24.93	0.311	30.00	-5.07
	$\pi/2$ BPSK	1770.00	V	102	318	9.10	1 / 26	15.66	24.76	0.299	30.00	-5.24
	QPSK	1720.00	V	103	316	9.33	1 / 79	15.72	25.05	0.320	30.00	-4.95
	QPSK	1745.00	V	103	311	9.03	1 / 26	15.62	24.65	0.292	30.00	-5.35
	QPSK	1770.00	V	102	318	9.10	1 / 26	15.69	24.79	0.301	30.00	-5.21
16-QAM	1720.00	V	103	316	9.33	1 / 79	14.98	24.31	0.270	30.00	-5.69	
15 MHz	$\pi/2$ BPSK	1717.50	V	103	316	9.38	1 / 20	15.81	25.19	0.330	30.00	-4.81
	$\pi/2$ BPSK	1745.00	V	103	311	9.03	1 / 39	15.80	24.83	0.304	30.00	-5.17
	$\pi/2$ BPSK	1772.50	V	102	318	9.11	1 / 20	15.76	24.88	0.307	30.00	-5.12
	QPSK	1717.50	V	103	316	9.38	1 / 20	15.69	25.06	0.321	30.00	-4.94
	QPSK	1745.00	V	103	311	9.03	1 / 39	15.60	24.63	0.291	30.00	-5.37
	QPSK	1772.50	V	102	318	9.11	1 / 20	15.44	24.56	0.286	30.00	-5.44
16-QAM	1717.50	V	103	316	9.38	1 / 20	14.97	24.35	0.272	30.00	-5.65	
10 MHz	$\pi/2$ BPSK	1715.00	V	103	316	9.42	1 / 13	15.57	24.99	0.315	30.00	-5.01
	$\pi/2$ BPSK	1745.00	V	103	311	9.03	1 / 26	15.78	24.82	0.303	30.00	-5.18
	$\pi/2$ BPSK	1775.00	V	102	318	9.13	1 / 38	15.44	24.57	0.287	30.00	-5.43
	QPSK	1715.00	V	103	316	9.42	1 / 13	15.50	24.93	0.311	30.00	-5.07
	QPSK	1745.00	V	103	311	9.03	1 / 26	15.71	24.74	0.298	30.00	-5.26
	QPSK	1775.00	V	102	318	9.13	1 / 38	15.33	24.46	0.279	30.00	-5.54
16-QAM	1715.00	V	103	316	9.42	1 / 13	14.86	24.29	0.268	30.00	-5.71	
5 MHz	$\pi/2$ BPSK	1712.50	V	103	316	9.47	1 / 18	15.57	25.04	0.319	30.00	-4.96
	$\pi/2$ BPSK	1745.00	V	103	311	9.03	1 / 6	15.67	24.70	0.295	30.00	-5.30
	$\pi/2$ BPSK	1777.50	V	102	318	9.15	1 / 12	15.36	24.51	0.282	30.00	-5.49
	QPSK	1712.50	V	103	316	9.47	1 / 18	15.53	25.00	0.316	30.00	-5.00
	QPSK	1745.00	V	103	311	9.03	1 / 6	15.64	24.67	0.293	30.00	-5.33
	QPSK	1777.50	V	102	318	9.15	1 / 12	15.43	24.58	0.287	30.00	-5.42
16-QAM	1712.50	V	103	316	9.47	1 / 18	14.70	24.17	0.261	30.00	-5.83	
40 MHz	QPSK (CP-OFDM)	1730.00	V	103	316	9.20	1/161	14.37	23.57	0.227	30.00	-6.43
	QPSK (Opposite Pol.)	1730.00	H	222	165	9.48	1/108	14.36	23.84	0.242	30.00	-6.16
	QPSK (WCP)	1730.00	V	103	316	9.20	1/161	13.06	22.26	0.168	30.00	-7.74

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

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset		Page 267 of 328

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
20 MHz	QPSK	1720.00	V	146	39	9.33	1 / 99	13.10	22.43	0.175	30.00	-7.57
	QPSK	1745.00	V	195	21	9.03	1 / 50	13.33	22.36	0.172	30.00	-7.64
	QPSK	1770.00	V	133	316	9.10	1 / 50	13.15	22.25	0.168	30.00	-7.75
	16-QAM	1745.00	V	195	21	9.03	1 / 50	12.45	21.48	0.141	30.00	-8.52
15 MHz	QPSK	1717.50	V	146	39	9.38	1 / 74	12.94	22.32	0.171	30.00	-7.68
	QPSK	1745.00	V	195	21	9.03	1 / 0	13.28	22.31	0.170	30.00	-7.69
	QPSK	1772.50	V	133	316	9.11	1 / 37	13.16	22.27	0.169	30.00	-7.73
	16-QAM	1772.50	V	133	316	9.11	1 / 37	12.24	21.35	0.137	30.00	-8.65
10 MHz	QPSK	1715.00	V	146	39	9.42	1 / 0	12.97	22.40	0.174	30.00	-7.60
	QPSK	1745.00	V	195	21	9.03	1 / 0	13.35	22.39	0.173	30.00	-7.61
	QPSK	1775.00	V	133	316	9.13	1 / 25	13.36	22.49	0.177	30.00	-7.51
	16-QAM	1775.00	V	133	316	9.13	1 / 25	12.25	21.38	0.137	30.00	-8.62
5 MHz	QPSK	1712.50	V	146	39	9.47	1 / 24	12.95	22.42	0.174	30.00	-7.58
	QPSK	1745.00	V	195	21	9.03	1 / 0	13.34	22.38	0.173	30.00	-7.62
	QPSK	1777.50	V	133	316	9.15	1 / 12	13.29	22.44	0.175	30.00	-7.56
	16-QAM	1777.50	V	133	316	9.15	1 / 12	12.43	21.57	0.144	30.00	-8.43
3 MHz	QPSK	1711.50	V	146	39	9.49	1 / 14	12.80	22.28	0.169	30.00	-7.72
	QPSK	1745.00	V	195	21	9.03	1 / 14	13.33	22.36	0.172	30.00	-7.64
	QPSK	1778.50	V	133	316	9.15	1 / 7	13.16	22.32	0.171	30.00	-7.68
	16-QAM	1745.00	V	195	21	9.03	1 / 14	12.50	21.53	0.142	30.00	-8.47
1.4 MHz	QPSK	1710.70	V	146	39	9.50	1 / 3	12.77	22.28	0.169	30.00	-7.72
	QPSK	1745.00	V	195	21	9.03	1 / 0	13.48	22.52	0.179	30.00	-7.48
	QPSK	1779.30	V	133	316	9.16	1 / 3	13.31	22.47	0.177	30.00	-7.53
	16-QAM	1745.00	V	195	21	9.03	1 / 0	12.45	21.48	0.141	30.00	-8.52
20 MHz	Opposite Pol.	1720.00	H	140	314	9.47	1 / 99	12.88	22.35	0.172	30.00	-7.65
	WCP	1720.00	V	247	95	9.33	1 / 99	-0.24	9.09	0.008	30.00	-20.91

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

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
40 MHz	$\pi/2$ BPSK	1730.00	V	159	33	9.46	1 / 108	12.47	21.93	0.156	30.00	-8.07
	$\pi/2$ BPSK	1745.00	V	156	29	9.39	1 / 54	13.00	22.39	0.174	30.00	-7.61
	$\pi/2$ BPSK	1760.00	V	146	326	9.48	1 / 54	11.53	21.01	0.126	30.00	-8.99
	QPSK	1730.00	V	159	33	9.46	1 / 108	12.27	21.73	0.149	30.00	-8.27
	QPSK	1745.00	V	156	29	9.39	1 / 54	12.83	22.22	0.167	30.00	-7.78
	QPSK	1760.00	V	146	326	9.48	1 / 54	11.56	21.04	0.127	30.00	-8.96
30 MHz	16-QAM	1745.00	V	156	29	9.39	1 / 54	12.38	21.77	0.150	30.00	-8.23
	$\pi/2$ BPSK	1725.00	V	159	33	9.49	1 / 40	12.48	21.97	0.158	30.00	-8.03
	$\pi/2$ BPSK	1745.00	V	156	29	9.39	1 / 40	12.90	22.30	0.170	30.00	-7.70
	$\pi/2$ BPSK	1765.00	V	146	326	9.48	1 / 40	11.57	21.05	0.127	30.00	-8.95
	QPSK	1725.00	V	159	33	9.49	1 / 40	12.30	21.79	0.151	30.00	-8.21
	QPSK	1745.00	V	156	29	9.39	1 / 40	12.83	22.22	0.167	30.00	-7.78
25 MHz	QPSK	1765.00	V	146	326	9.48	1 / 40	11.73	21.21	0.132	30.00	-8.79
	16-QAM	1725.00	V	159	33	9.49	1 / 40	12.07	21.56	0.143	30.00	-8.44
	$\pi/2$ BPSK	1722.50	V	159	33	9.49	1 / 64	12.51	22.00	0.159	30.00	-8.00
	$\pi/2$ BPSK	1745.00	V	156	29	9.39	1 / 96	13.25	22.65	0.184	30.00	-7.35
	$\pi/2$ BPSK	1767.50	V	146	326	9.48	1 / 96	11.68	21.16	0.131	30.00	-8.84
	QPSK	1722.50	V	159	33	9.49	1 / 64	12.48	21.97	0.158	30.00	-8.03
20 MHz	QPSK	1745.00	V	156	29	9.39	1 / 96	12.96	22.35	0.172	30.00	-7.65
	QPSK	1767.50	V	146	326	9.48	1 / 96	11.90	21.38	0.137	30.00	-8.62
	16-QAM	1745.00	V	156	29	9.39	1 / 96	12.64	22.04	0.160	30.00	-7.96
	$\pi/2$ BPSK	1720.00	V	159	33	9.53	1 / 79	12.30	21.83	0.152	30.00	-8.17
	$\pi/2$ BPSK	1745.00	V	156	29	9.39	1 / 79	13.03	22.42	0.175	30.00	-7.58
	$\pi/2$ BPSK	1770.00	V	146	326	9.48	1 / 53	11.32	20.80	0.120	30.00	-9.20
15 MHz	QPSK	1720.00	V	159	33	9.53	1 / 79	12.42	21.95	0.157	30.00	-8.05
	QPSK	1745.00	V	156	29	9.39	1 / 79	12.86	22.25	0.168	30.00	-7.75
	QPSK	1770.00	V	146	326	9.48	1 / 53	11.52	20.99	0.126	30.00	-9.01
	16-QAM	1720.00	V	159	33	9.53	1 / 79	12.11	21.63	0.146	30.00	-8.37
	$\pi/2$ BPSK	1717.50	V	159	33	9.56	1 / 39	12.32	21.87	0.154	30.00	-8.13
	$\pi/2$ BPSK	1745.00	V	156	29	9.39	1 / 20	12.99	22.39	0.173	30.00	-7.61
10 MHz	$\pi/2$ BPSK	1772.50	V	146	326	9.49	1 / 39	11.45	20.94	0.124	30.00	-9.06
	QPSK	1717.50	V	159	33	9.56	1 / 39	12.14	21.70	0.148	30.00	-8.30
	QPSK	1745.00	V	156	29	9.39	1 / 20	12.91	22.31	0.170	30.00	-7.69
	QPSK	1772.50	V	146	326	9.49	1 / 39	11.45	20.94	0.124	30.00	-9.06
	16-QAM	1717.50	V	159	33	9.56	1 / 39	11.89	21.44	0.139	30.00	-8.56
	$\pi/2$ BPSK	1715.00	V	159	33	9.59	1 / 13	12.26	21.84	0.153	30.00	-8.16
5 MHz	$\pi/2$ BPSK	1745.00	V	156	29	9.39	1 / 13	12.89	22.28	0.169	30.00	-7.72
	$\pi/2$ BPSK	1775.00	V	146	326	9.51	1 / 26	11.33	20.84	0.121	30.00	-9.16
	QPSK	1715.00	V	159	33	9.59	1 / 13	12.13	21.72	0.149	30.00	-8.28
	QPSK	1745.00	V	156	29	9.39	1 / 13	12.81	22.21	0.166	30.00	-7.79
	QPSK	1775.00	V	146	326	9.51	1 / 26	11.73	21.24	0.133	30.00	-8.76
	16-QAM	1745.00	V	156	29	9.39	1 / 13	12.17	21.56	0.143	30.00	-8.44
40 MHz	$\pi/2$ BPSK	1712.50	V	159	33	9.62	1 / 18	12.27	21.88	0.154	30.00	-8.12
	$\pi/2$ BPSK	1745.00	V	156	29	9.39	1 / 18	12.84	22.23	0.167	30.00	-7.77
	$\pi/2$ BPSK	1777.50	V	146	326	9.53	1 / 18	11.28	20.80	0.120	30.00	-9.20
	QPSK	1712.50	V	159	33	9.62	1 / 18	12.00	21.62	0.145	30.00	-8.38
40 MHz	QPSK	1745.00	V	156	29	9.39	1 / 18	12.79	22.18	0.165	30.00	-7.82
	QPSK	1777.50	V	146	326	9.53	1 / 18	11.52	21.04	0.127	30.00	-8.96
	16-QAM	1712.50	V	159	33	9.62	1 / 18	11.69	21.30	0.135	30.00	-8.70
40 MHz	QPSK (CP-OFDM)	1745.00	V	156	26	9.03	1 / 54	11.59	20.62	0.115	30.00	-9.38
	QPSK (Opposite Pol.)	1745.00	H	182	305	9.48	1 / 54	10.95	20.43	0.110	30.00	-9.57
	QPSK (WCP)	1745.00	V	355	217	9.03	1 / 54	9.54	18.57	0.072	30.00	-11.43

Table 7-27. EIRP Data (NR Band n66 – ANT F)

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7.8 Radiated Spurious Emissions Measurements

Test Overview


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

Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

Test Settings

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

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Test Setup

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

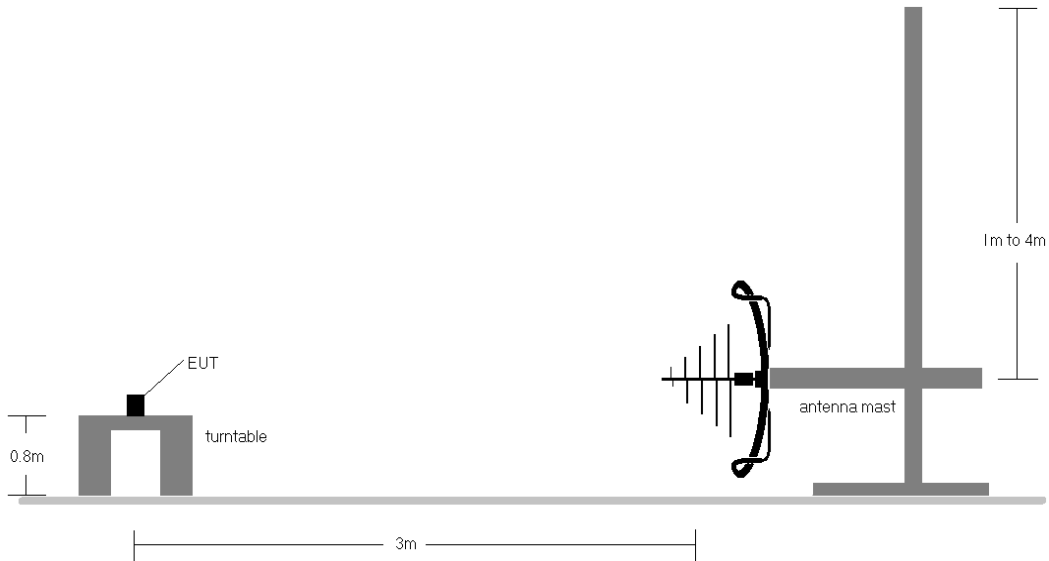


Figure 7-8. Test Instrument & Measurement Setup < 1GHz

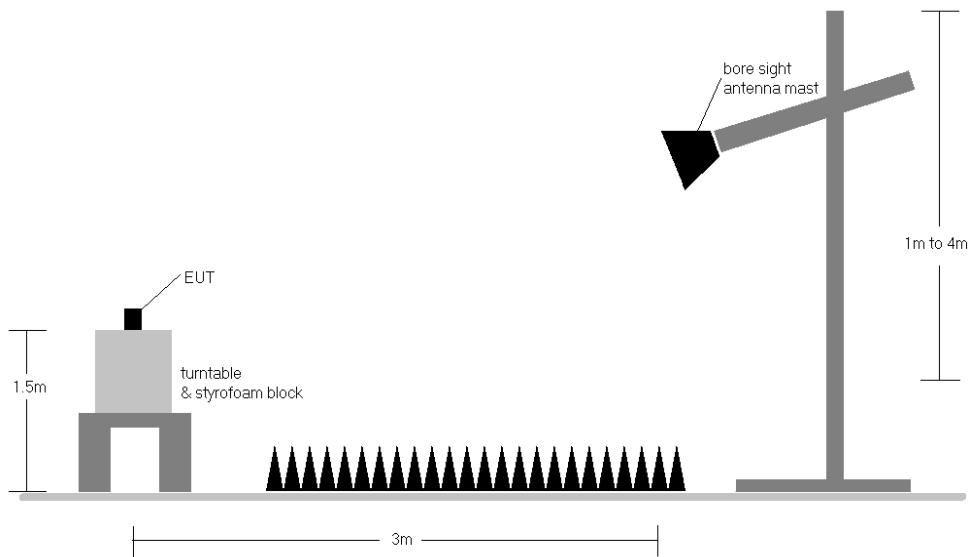




Figure 7-9. Test Instrument & Measurement Setup > 1GHz

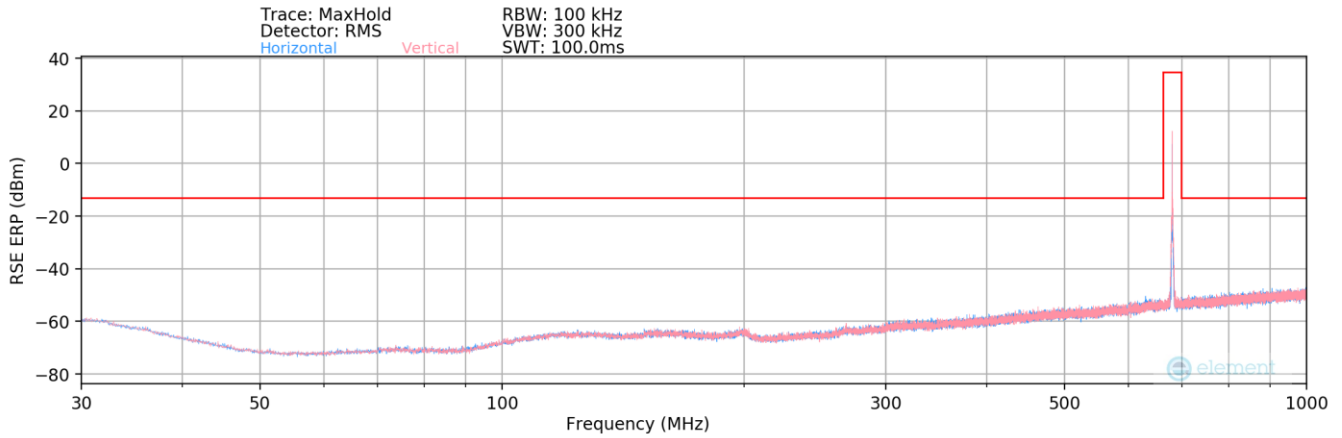
FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
- 2) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 3) This unit was tested with its standard battery.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 7) ULCA spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device.
- 8) 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.
- 9) 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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LTE Band 71 – ANT A



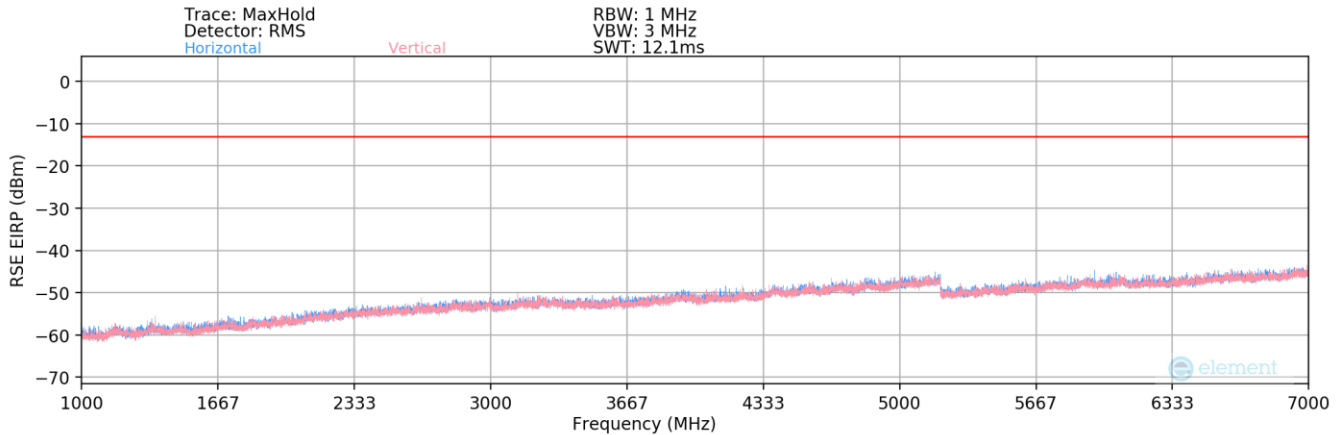
Plot 7-458. Radiated Spurious Plot 30MHz-1GHz (LTE Band 71 – ANT A)

Mode:	Stand Alone
Frequency (MHz):	680.5
Detector / Trace Mode:	RMS / Average
RBW / VBW:	100kHz / 300kHz

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]
632.00	H	-	-	-96.26	28.02	38.76	-58.65	-13.00	-45.65

Table 7-28. Radiated Spurious Data 30MHz-1GHz (LTE Band 71 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-459. Radiated Spurious Plot (LTE Band 71 – ANT A)

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	173	274	-76.89	-2.81	27.30	-67.96	-13.00	-54.96
2019.00	H	-	-	-76.66	-0.40	29.94	-65.31	-13.00	-52.31
2692.00	H	-	-	-77.53	1.27	30.74	-64.52	-13.00	-51.52
3365.00	H	-	-	-77.45	1.80	31.35	-63.91	-13.00	-50.91

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

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	359	220	-76.33	-2.67	28.00	-67.26	-13.00	-54.26
2041.50	H	-	-	-77.16	-0.51	29.33	-65.93	-13.00	-52.93
2722.00	H	-	-	-77.28	0.77	30.49	-64.76	-13.00	-51.76
3402.50	H	-	-	-77.47	1.71	31.24	-64.01	-13.00	-51.01

Table 7-30. Radiated Spurious Data (LTE Band 71 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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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	333	14	-76.04	-2.84	28.12	-67.14	-13.00	-54.14
2064.00	H	-	-	-76.90	-0.49	29.61	-65.64	-13.00	-52.64
2752.00	H	-	-	-77.32	0.47	30.15	-65.10	-13.00	-52.10
3440.00	H	-	-	-77.51	1.71	31.20	-64.06	-13.00	-51.06

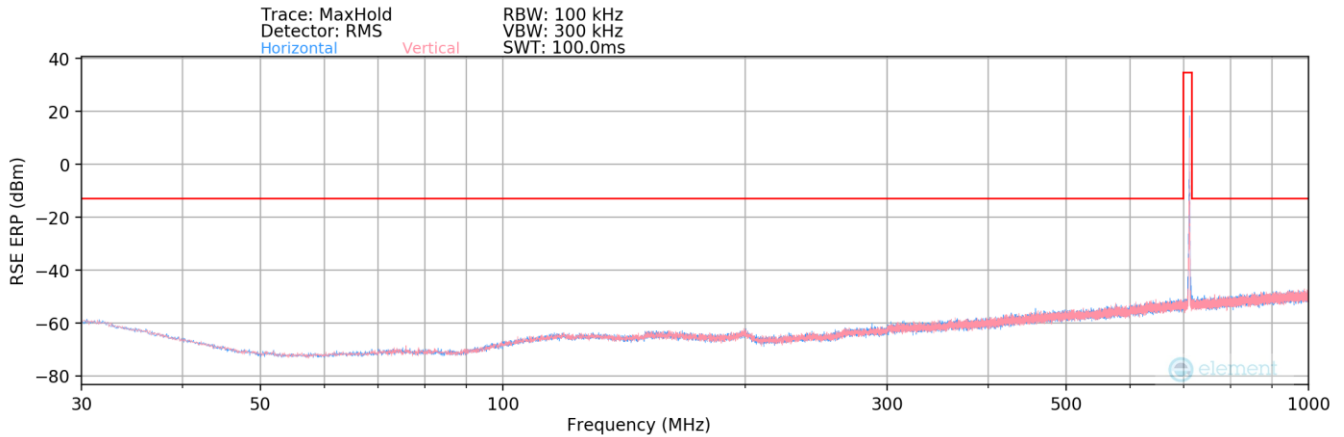
Table 7-31. Radiated Spurious Data (LTE Band 71 – High Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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LTE Band 12 – ANT A



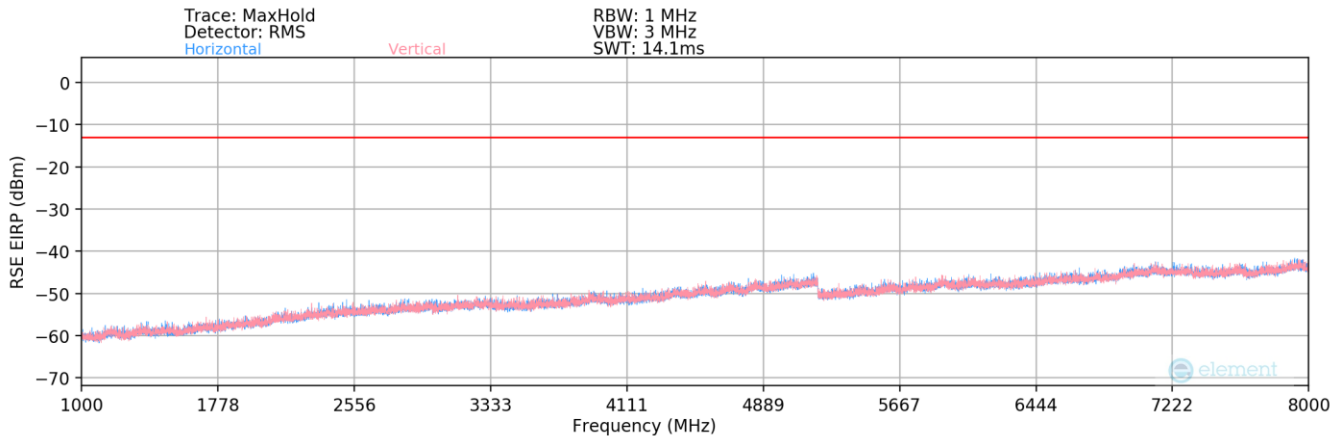
Plot 7-460. Radiated Spurious Plot 30MHz-1GHz (LTE Band 12 – ANT A)

Mode:	Stand Alone
Frequency (MHz):	707.5
Detector / Trace Mode:	RMS / Average
RBW / VBW:	100kHz / 300kHz

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]
434.00	V	-	-	-96.97	24.79	34.82	-62.58	-13.00	-49.58

Table 7-32. Radiated Spurious Data 30MHz-1GHz (LTE Band 12 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Plot 7-461. Radiated Spurious Plot (LTE Band 12 – ANT A)

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	-	-	-77.38	-3.61	26.01	-69.25	-13.00	-56.25
2112.00	V	-	-	-77.70	-0.25	29.05	-66.21	-13.00	-53.21
2816.00	V	-	-	-77.37	0.79	30.42	-64.84	-13.00	-51.84

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

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	175	301	-76.04	-3.73	27.23	-68.03	-13.00	-55.03
2122.50	V	-	-	-77.74	-0.18	29.08	-66.18	-13.00	-53.18
2830.00	V	-	-	-77.76	0.85	30.09	-65.17	-13.00	-52.17
3537.50	V	-	-	-77.81	2.58	31.77	-63.48	-13.00	-50.48

Table 7-34. Radiated Spurious Data (LTE Band 12 – Mid Channel – ANT A)

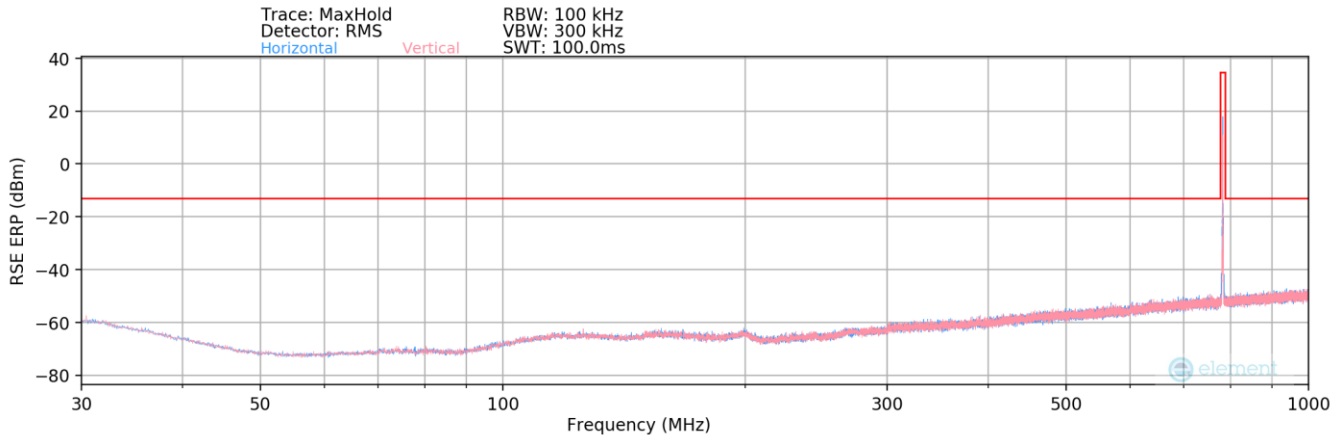
Bandwidth (MHz):	10
Frequency (MHz):	711
RB / Offset:	1 / 25

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	-	-	-76.50	-3.83	26.67	-68.58	-13.00	-55.58
2133.00	V	-	-	-77.33	-0.12	29.55	-65.71	-13.00	-52.71
2844.00	V	-	-	-77.94	1.01	30.07	-65.19	-13.00	-52.19

Table 7-35. Radiated Spurious Data (LTE Band 12 – High Channel – ANT A)

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset		Page 277 of 328

LTE Band 13 – ANT A




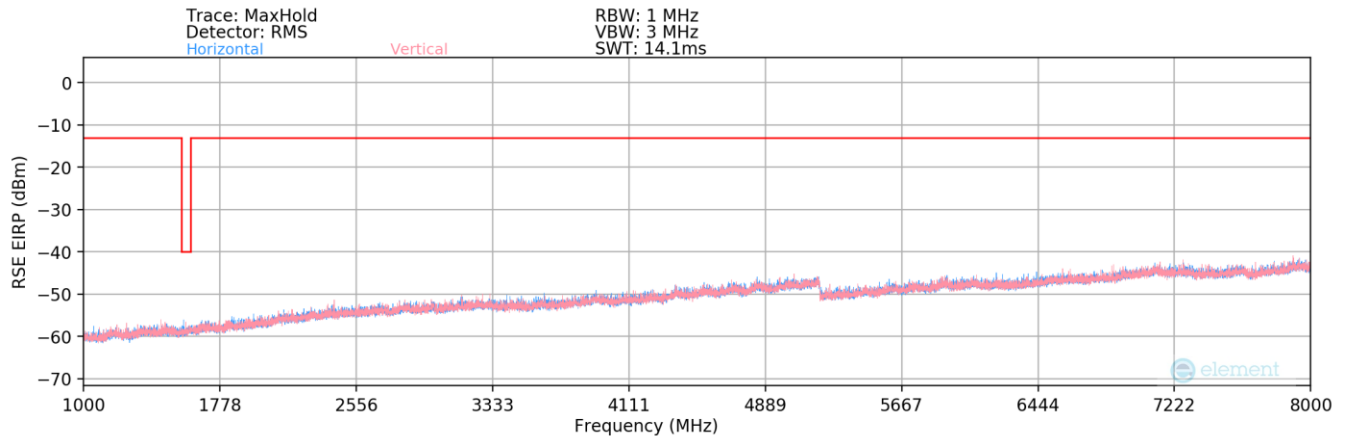
Plot 7-462. Radiated Spurious Plot 30MHz-1GHz (LTE Band 13 – ANT A)

Mode:	Stand Alone
Frequency (MHz):	782
Detector / Trace Mode:	RMS / Average
RBW / VBW:	100kHz / 300kHz

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]
393.00	V	-	-	-97.07	23.17	33.10	-64.31	-13.00	-51.31

Table 7-36. Radiated Spurious Data (LTE Band 13 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Plot 7-463. Radiated Spurious Plot (LTE Band 13 – ANT A)

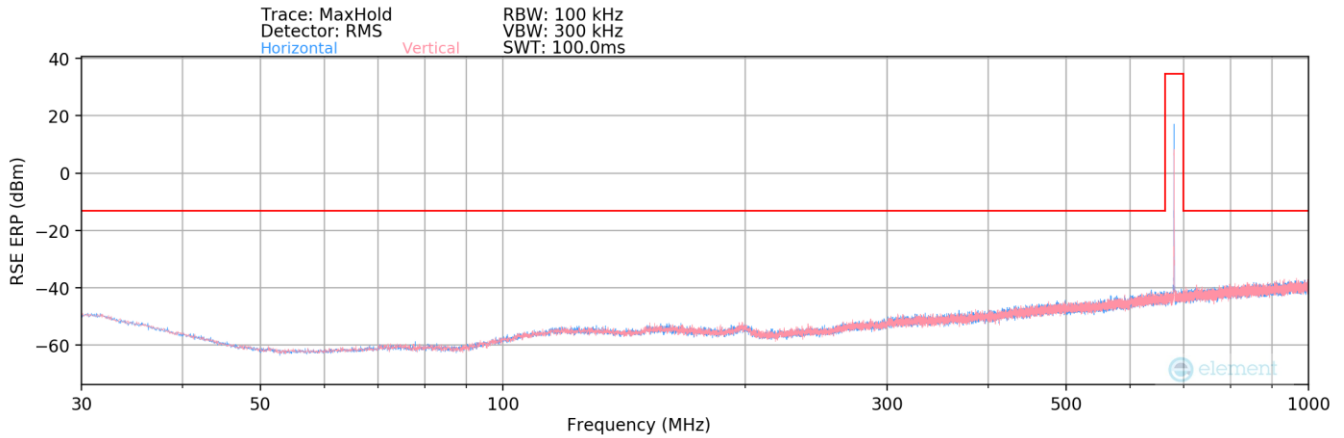
Bandwidth (MHz):	10
Frequency (MHz):	782
RB / Offset:	1 / 25

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1564.00	V	-	-	-76.74	-4.02	26.24	-69.01	-40.00	-29.01
2346.00	V	-	-	-77.56	0.80	30.24	-65.02	-13.00	-52.02
3128.00	V	-	-	-77.63	1.82	31.19	-64.07	-13.00	-51.07

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

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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NR Band n71 – ANT A




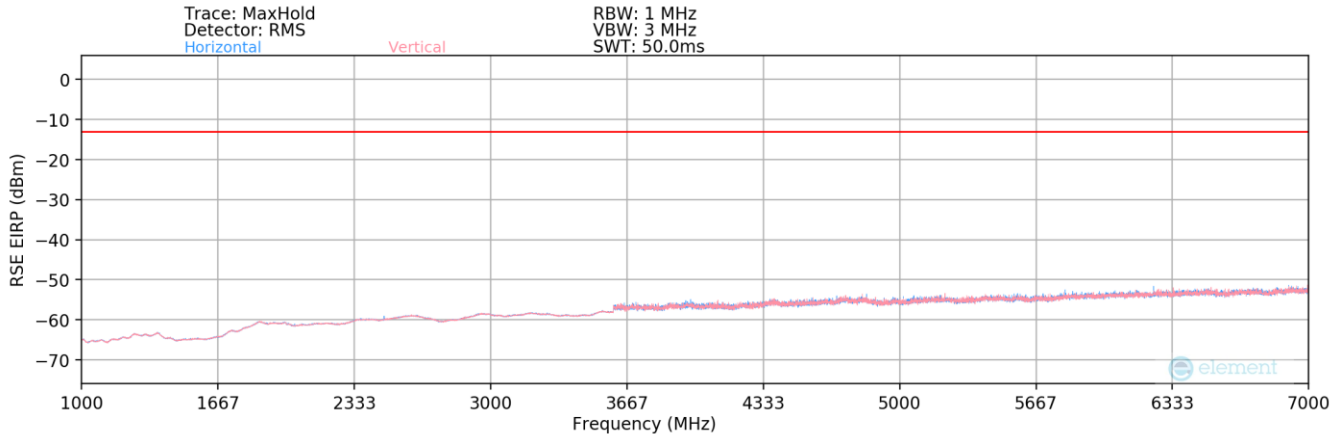
Plot 7-464. Radiated Spurious Plot 30MHz-1GHz (NR Band n71 – ANT A)

Mode:	Stand Alone
Frequency (MHz):	680.5
Detector / Trace Mode:	RMS / Average
RBW / VBW:	100kHz / 300kHz

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]
582.00	H	-	-	-96.84	27.24	37.40	-60.01	-13.00	-47.01

Table 7-38. Radiated Spurious Data 30MHz-1GHz (NR Band n71 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Plot 7-465. Radiated Spurious Plot (NR Band n71 – ANT A)

Bandwidth (MHz):	20
Frequency (MHz):	673
RB / Offset:	1 / 53
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1346.00	H	-	-	-76.82	-2.81	27.37	-67.89	-13.00	-54.89
2019.00	H	-	-	-76.67	-0.40	29.93	-65.32	-13.00	-52.32
2692.00	H	-	-	-77.51	1.27	30.76	-64.50	-13.00	-51.50

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

Bandwidth (MHz):	20
Frequency (MHz):	680.5
RB / Offset:	1 / 53
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1361.00	H	-	-	-76.25	-2.67	28.08	-67.18	-13.00	-54.18
2041.50	H	182	62	-76.47	-0.51	30.02	-65.24	-13.00	-52.24
2722.00	H	-	-	-77.31	0.77	30.46	-64.79	-13.00	-51.79
3402.50	H	-	-	-77.50	1.71	31.21	-64.04	-13.00	-51.04
4083.00	H	-	-	-78.75	3.05	31.30	-63.96	-13.00	-50.96

Table 7-40. Radiated Spurious Data (NR Band n71 – Mid Channel – ANT A)

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 281 of 328



Bandwidth (MHz):	20
Frequency (MHz):	688
RB / Offset:	1 / 53
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1376.00	H	-	-	-76.33	-2.84	27.83	-67.43	-13.00	-54.43
2064.00	H	-	-	-76.95	-0.49	29.56	-65.69	-13.00	-52.69
2752.00	H	-	-	-77.23	0.47	30.24	-65.01	-13.00	-52.01

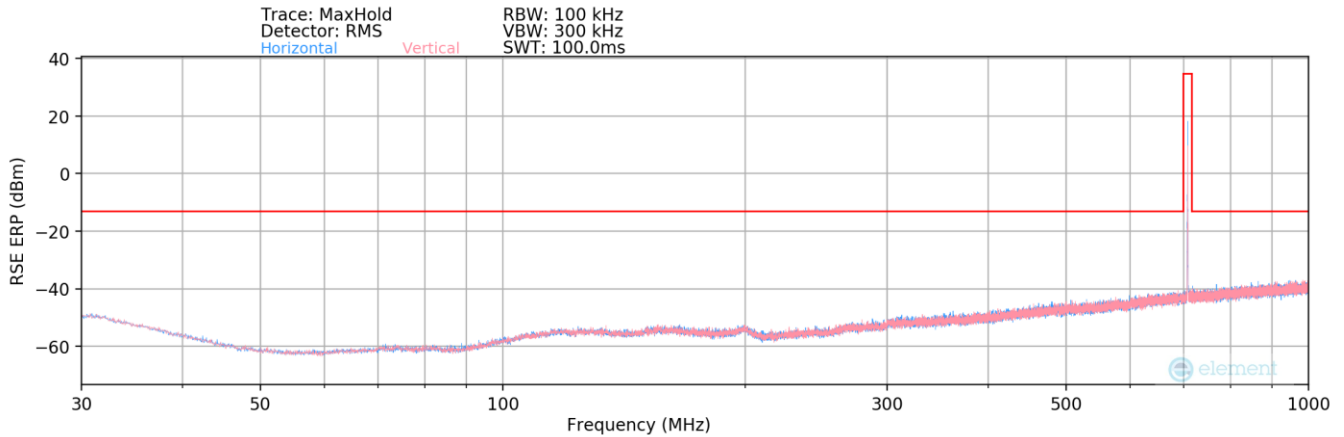
Table 7-41. Radiated Spurious Data (NR Band n71 – High Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n12 – ANT A




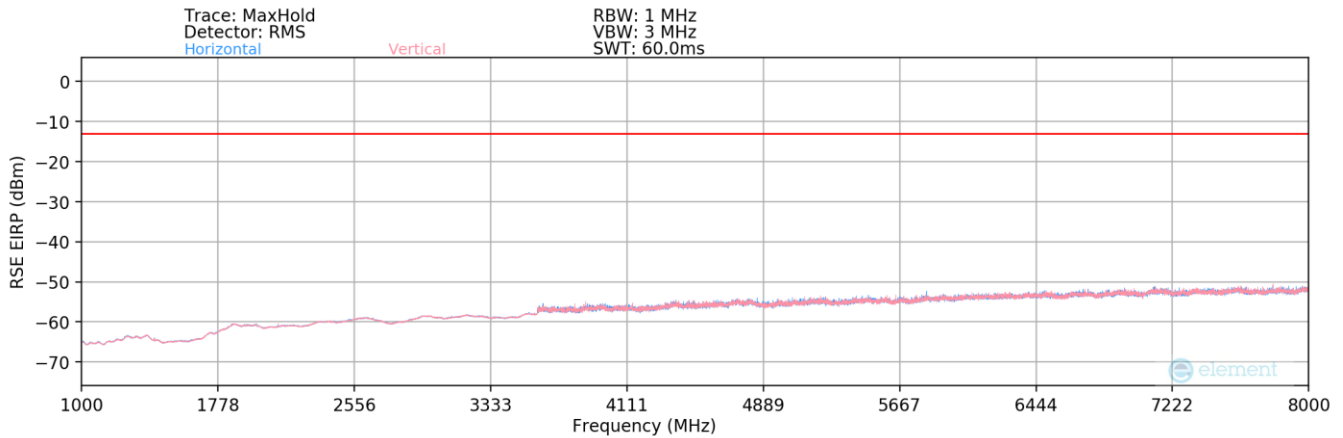
Plot 7-466. Radiated Spurious Plot 30MHz-1GHz (NR Band n12 – ANT A)

Mode:	Stand Alone
Frequency (MHz):	707.5
Detector / Trace Mode:	RMS / Average
RBW / VBW:	100kHz / 300kHz

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]
367.00	H	-	-	-96.92	22.61	32.69	-64.72	-13.00	-51.72

Table 7-42. Radiated Spurious Data 30MHz-1GHz (NR Band n12 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Plot 7-467. Radiated Spurious Plot (NR Band n12 – ANT A)

Bandwidth (MHz):	15
Frequency (MHz):	706.5
RB / Offset:	1 / 39
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1413.00	H	168	90	-75.75	-3.70	27.55	-67.71	-13.00	-54.71
2119.50	H	146	57	-74.18	-0.20	32.62	-62.64	-13.00	-49.64
2826.00	H	-	-	-77.61	0.84	30.23	-65.03	-13.00	-52.03
3532.50	H	-	-	-77.85	2.52	31.67	-63.59	-13.00	-50.59
4239.00	H	-	-	-77.96	2.95	31.99	-63.27	-13.00	-50.27

Table 7-43. Radiated Spurious Data (NR Band n12 – Low Channel – ANT A)

Bandwidth (MHz):	15
Frequency (MHz):	707.5
RB / Offset:	1 / 39
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1415.00	H	190	161	-74.96	-3.73	28.31	-66.95	-13.00	-53.95
2122.50	H	160	71	-74.80	-0.18	32.02	-63.24	-13.00	-50.24
2830.00	H	-	-	-77.66	0.85	30.19	-65.07	-13.00	-52.07
3537.50	H	-	-	-77.78	2.58	31.80	-63.45	-13.00	-50.45
4245.00	H	-	-	-77.96	2.96	32.00	-63.25	-13.00	-50.25

Table 7-44. Radiated Spurious Data (NR Band n12 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	15
Frequency (MHz):	708.5
RB / Offset:	1 / 39
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1417.00	H	181	178	-75.04	-3.76	28.20	-67.06	-13.00	-54.06
2125.50	H	150	54	-74.06	-0.17	32.77	-62.49	-13.00	-49.49
2834.00	H	-	-	-77.87	0.88	30.01	-65.25	-13.00	-52.25
3542.50	H	-	-	-77.84	2.64	31.80	-63.46	-13.00	-50.46
4251.00	H	-	-	-78.22	2.98	31.76	-63.50	-13.00	-50.50

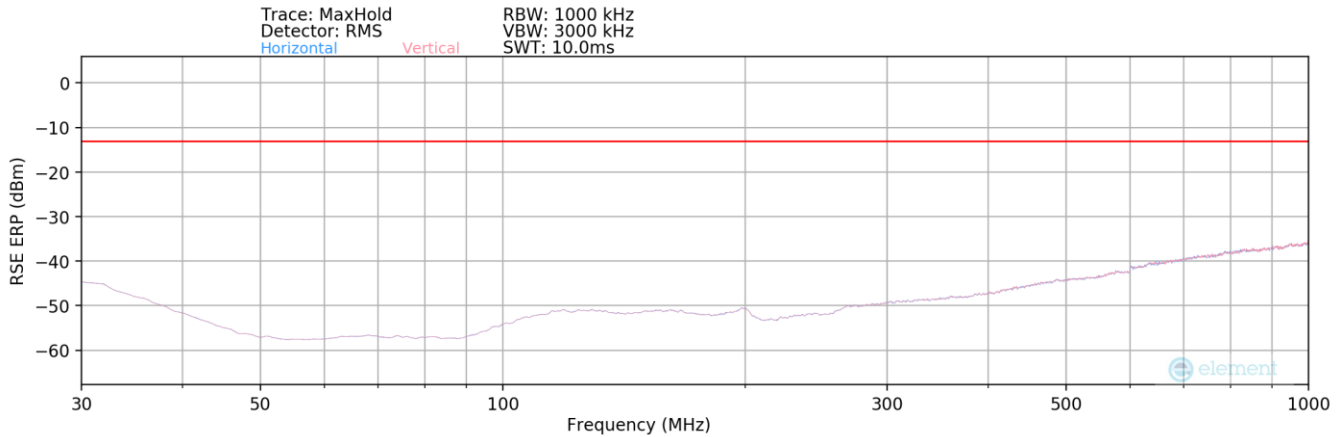
Table 7-45. Radiated Spurious Data (NR Band n12 – High Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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WCDMA AWS – ANT A



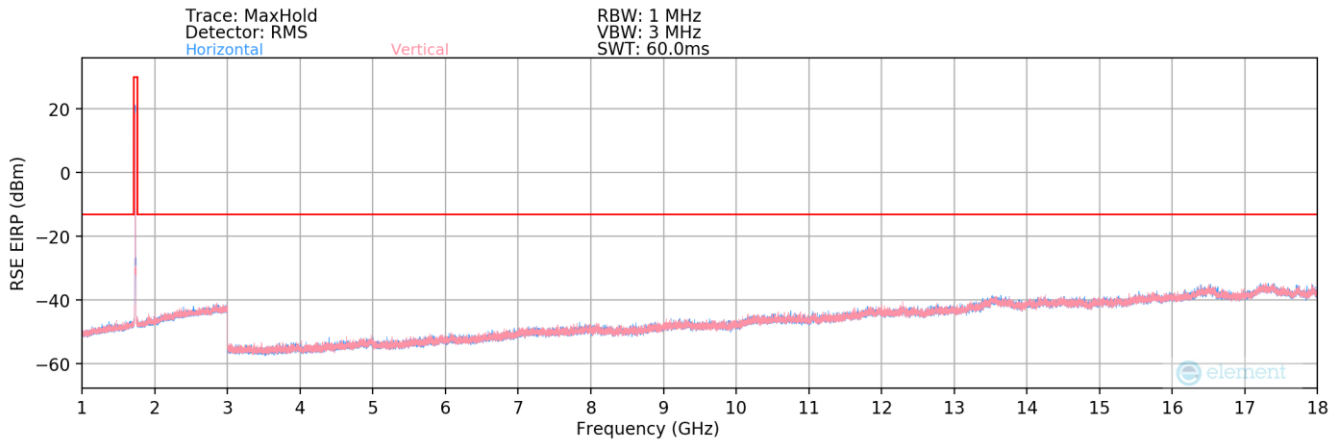
Plot 7-468. Radiated Spurious Plot 30MHz-1GHz (WCDMA AWS – ANT A)

Mode:	Stand Alone
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]
198.14	V	-	-	-82.47	20.31	44.84	-52.57	-13.00	-39.57

Table 7-46. Radiated Spurious Data (WCDMA AWS – Mid Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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Plot 7-469. Radiated Spurious Plot (WCDMA AWS – ANT A)

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	-	-	-77.95	2.87	31.92	-63.34	-13.00	-50.34
5137.20	V	-	-	-79.43	4.88	32.45	-62.81	-13.00	-49.81
6849.60	V	-	-	-80.24	7.82	34.58	-60.68	-13.00	-47.68

7-47. Radiated Spurious Data (WCDMA AWS – Low Channel – ANT A)

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	-	-	-77.95	2.78	31.83	-63.43	-13.00	-50.43
5197.80	V	-	-	-79.55	5.09	32.54	-62.71	-13.00	-49.71
6930.40	V	-	-	-79.96	7.19	34.23	-61.03	-13.00	-48.03

Table 7-48. Radiated Spurious Data (WCDMA AWS – Mid Channel – ANT A)

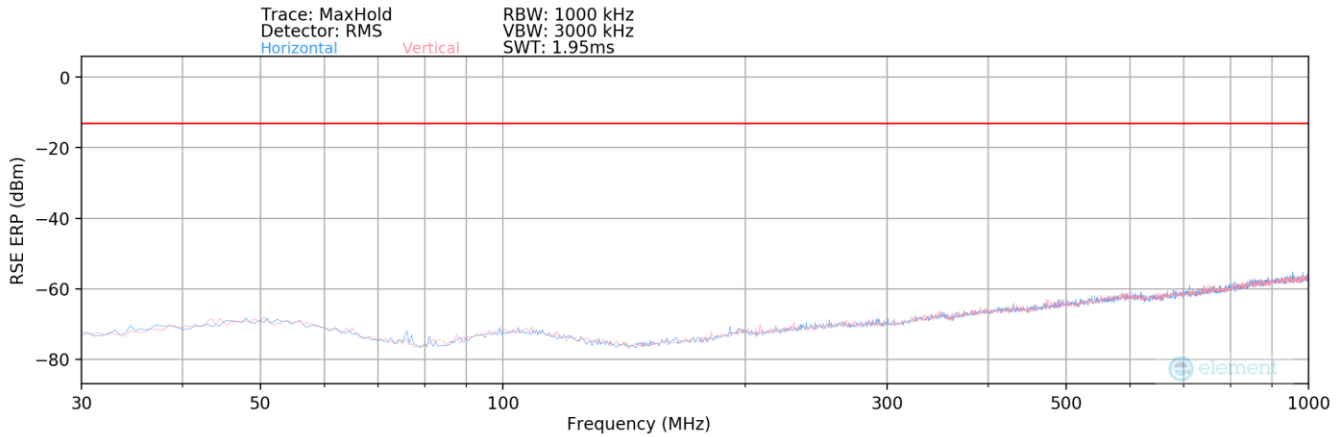
Mode:	WCDMA RMC
Channel:	1513
Frequency (MHz):	1752.6

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	-	-	-77.82	2.55	31.73	-63.53	-13.00	-50.53
5257.80	V	-	-	-79.24	4.83	32.59	-62.66	-13.00	-49.66
7010.40	V	-	-	-79.17	6.85	34.68	-60.58	-13.00	-47.58

Table 7-49. Radiated Spurious Data (WCDMA AWS – High Channel – ANT A)

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 66/4 – ANT A



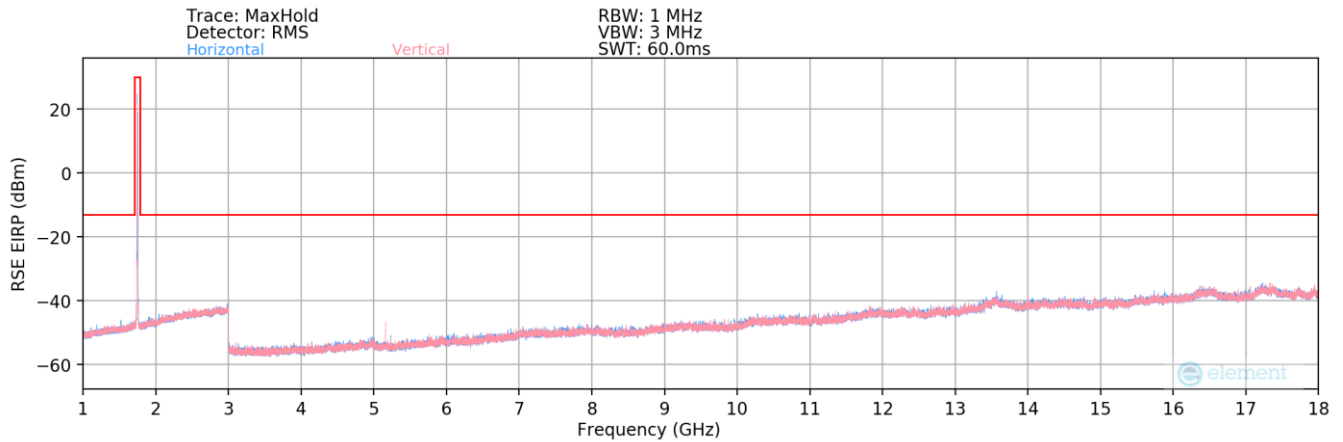
Plot 7-470. Radiated Spurious Plot 30MHz-1GHz (LTE Band 66/4 – ANT A)

Mode:	Stand Alone
Frequency (MHz):	1745

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
583.00	V	-	-	-89.22	27.09	44.87	-52.54	-13.00	-39.54

Table 7-50. Radiated Spurious Data 30MHz-1GHz (LTE Band 66/4 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Plot 7-471. Radiated Spurious Plot (LTE Band 66/4 – ANT A)

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	-	-	-78.07	4.76	33.69	-61.56	-13.00	-48.56
5160.00	V	112	43	-74.15	6.77	39.62	-55.64	-13.00	-42.64
6880.00	V	-	-	-79.14	10.26	38.12	-57.13	-13.00	-44.13
8600.00	V	-	-	-80.12	11.68	38.56	-56.69	-13.00	-43.69
10320.00	V	-	-	-79.44	14.03	41.59	-53.67	-13.00	-40.67

Table 7-51. Radiated Spurious Data (LTE Band 66/4 – Low Channel – ANT A)

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	-	-	-78.28	4.37	33.09	-62.16	-13.00	-49.16
5235.00	V	105	39	-75.17	6.84	38.67	-56.59	-13.00	-43.59
6980.00	V	-	-	-78.96	9.66	37.70	-57.56	-13.00	-44.56
8725.00	V	-	-	-79.18	11.44	39.26	-56.00	-13.00	-43.00
10470.00	V	-	-	-79.62	14.72	42.10	-53.16	-13.00	-40.16

Table 7-52. Radiated Spurious Data (LTE Band 66/4 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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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	-	-	-78.38	4.22	32.84	-62.42	-13.00	-49.42
5310.00	V	104	36	-77.26	6.60	36.34	-58.92	-13.00	-45.92
7080.00	V	-	-	-78.63	10.09	38.46	-56.79	-13.00	-43.79
8850.00	V	-	-	-78.91	11.50	39.59	-55.67	-13.00	-42.67
10620.00	V	-	-	-79.29	15.18	42.89	-52.37	-13.00	-39.37

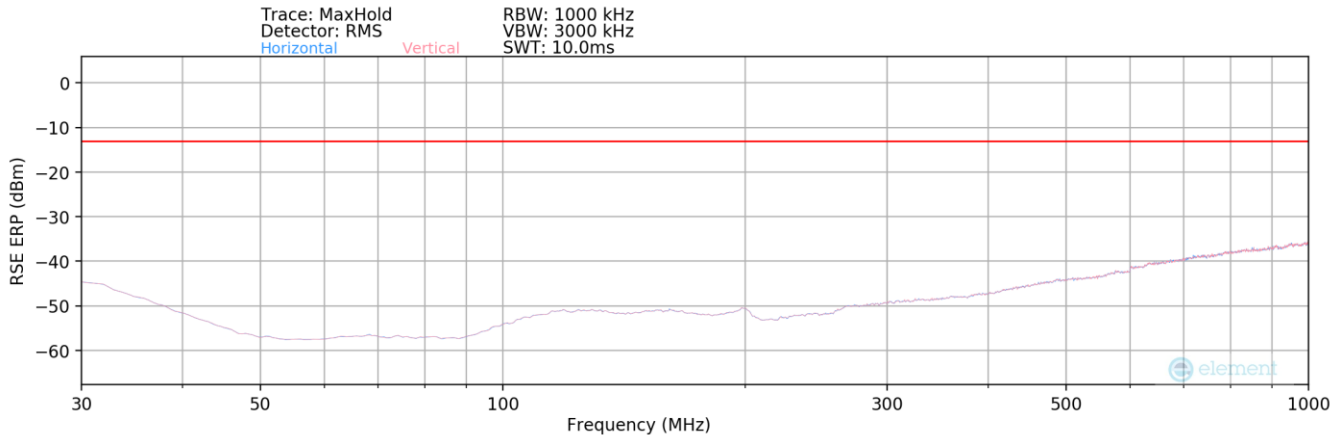
Table 7-53. Radiated Spurious Data (LTE Band 66/4 – High Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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NR Band n66 – ANT A




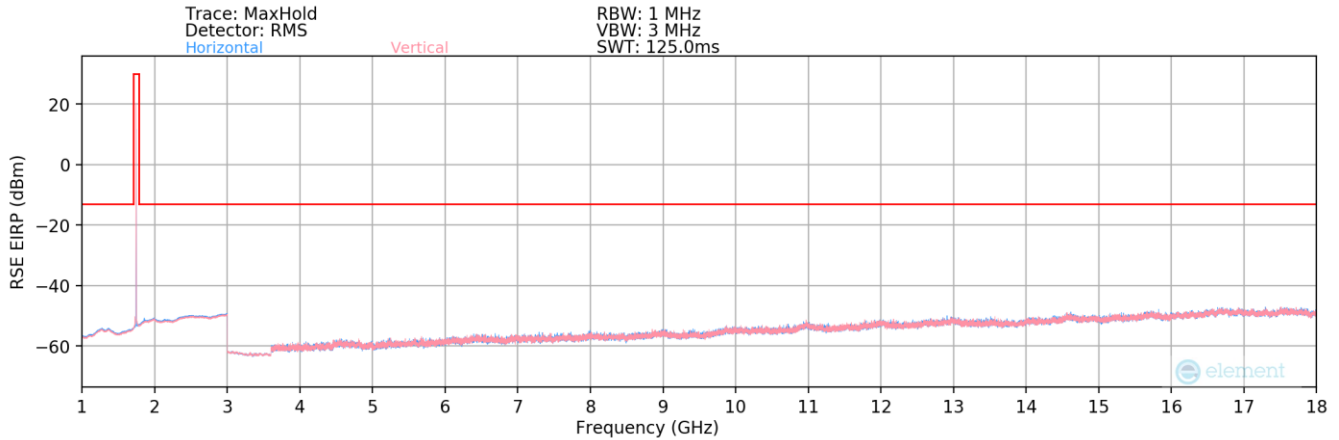
Plot 7-472. Radiated Spurious Plot 30MHz-1GHz (NR Band n66 – ANT A)

Mode:	Stand Alone
Frequency (MHz):	1745

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
944.96	V	-	-	-89.29	32.01	49.72	-47.69	-13.00	-34.69

Table 7-54. Radiated Spurious Data 30MHz-1GHz (NR Band n66 – Mid Channel – ANT A)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Plot 7-473. Radiated Spurious Plot (NR Band n66 – ANT A)

Bandwidth (MHz):	40
Frequency (MHz):	1730
RB / Offset:	1 / 108
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3460.00	V	-	-	-78.12	2.84	31.72	-63.54	-13.00	-50.54
5190.00	V	355	241	-79.28	5.07	32.79	-62.47	-13.00	-49.47
6920.00	V	-	-	-79.90	7.36	34.46	-60.80	-13.00	-47.80
8650.00	V	-	-	-81.02	8.90	34.88	-60.38	-13.00	-47.38

Table 7-55. Radiated Spurious Data (NR Band n66 – Low Channel – ANT A)

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 108
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.00	V	-	-	-78.13	2.54	31.41	-63.85	-13.00	-50.85
5235.00	V	-	-	-79.21	5.03	32.82	-62.44	-13.00	-49.44
6980.00	V	-	-	-79.07	7.03	34.96	-60.30	-13.00	-47.30

Table 7-56. Radiated Spurious Data (NR Band n66 – Mid Channel – ANT A)

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 292 of 328



Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 108
Detector / Trace Mode:	RMS / Average

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3520.00	V	-	-	-78.06	2.60	31.54	-63.71	-13.00	-50.71
5280.00	V	-	-	-79.41	4.75	32.34	-62.92	-13.00	-49.92
7040.00	V	-	-	-79.45	6.88	34.43	-60.83	-13.00	-47.83

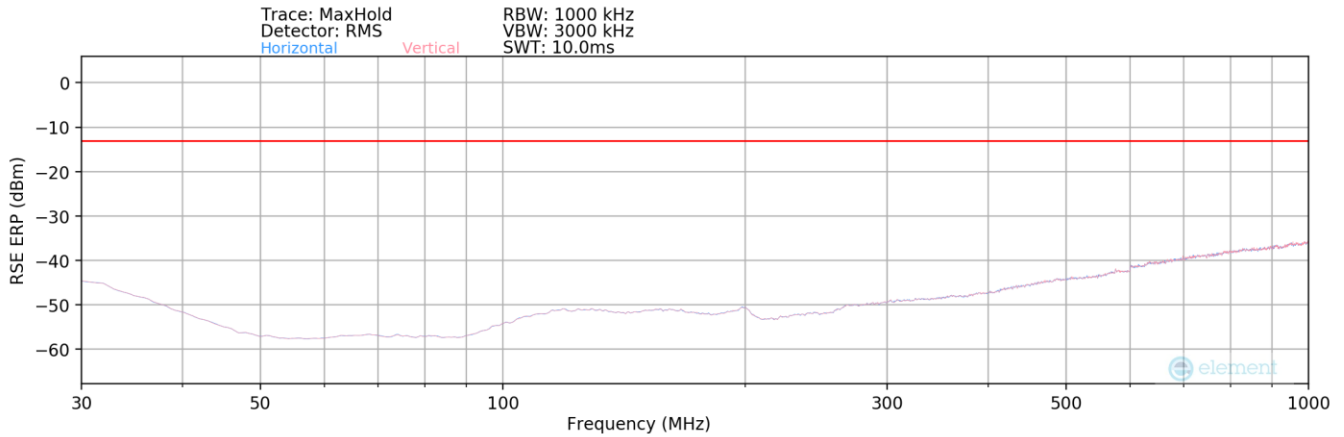
Table 7-57. Radiated Spurious Data (NR Band n66 – High Channel – ANT A)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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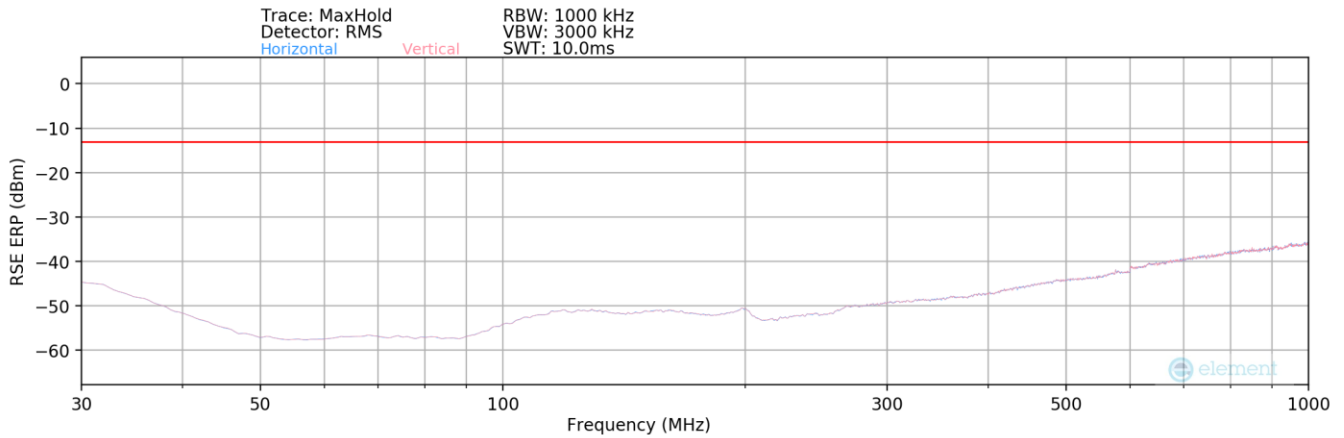
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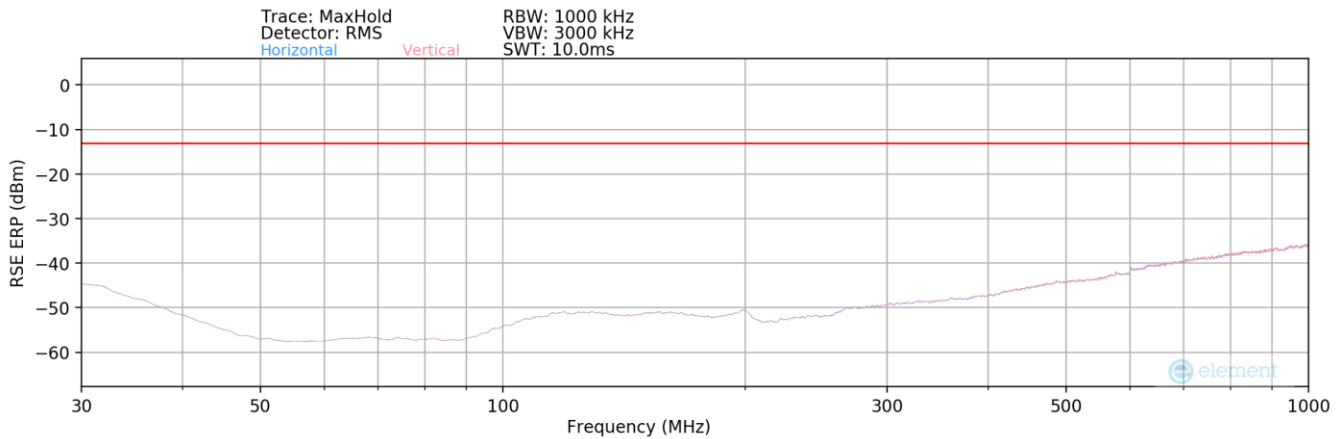
Uplink CA LTE Band 66B/C – ANT A




Plot 7-474. Radiated Spurious Plot 30MHz-1GHz (ULCA LTE Band 66 – ANT A)



Plot 7-475. Radiated Spurious Plot 30MHz-1GHz (ULCA LTE Band 66 – ANT A)



Plot 7-476. Radiated Spurious Plot 30MHz-1GHz (ULCA LTE Band 66 – ANT A)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1 / 0

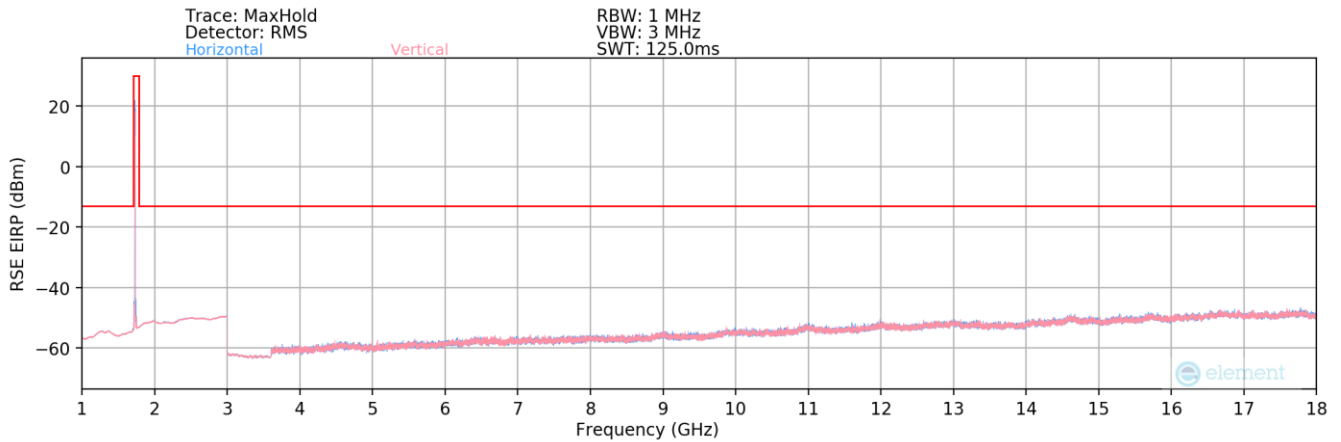
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
822.97	V	-	-	-76.82	30.37	60.55	-36.85	-13.00	-23.85

Table 7-58. Radiated Spurious Data 30MHz-1GHz (ULCA LTE66 – Mid Channel – ANT A)

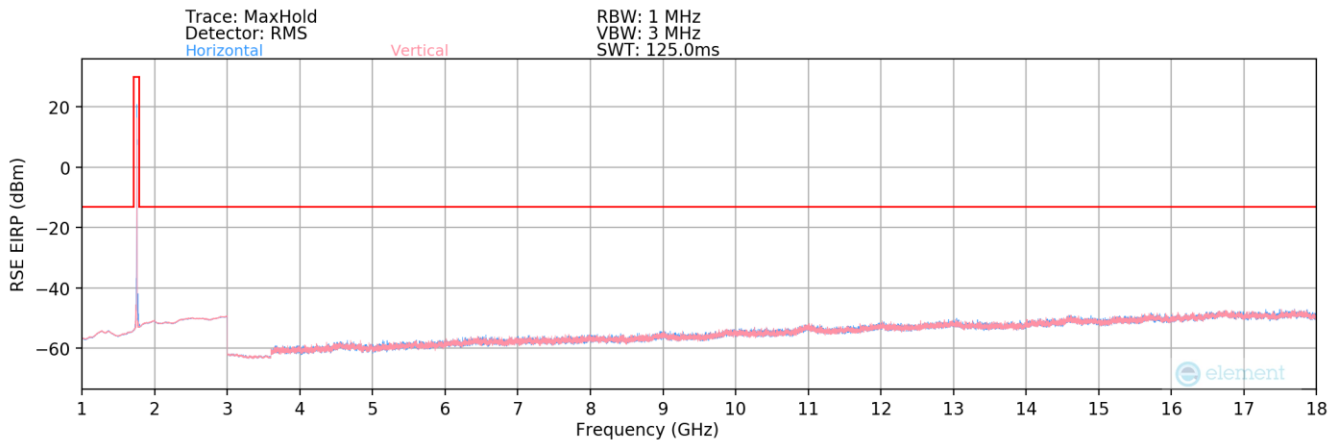
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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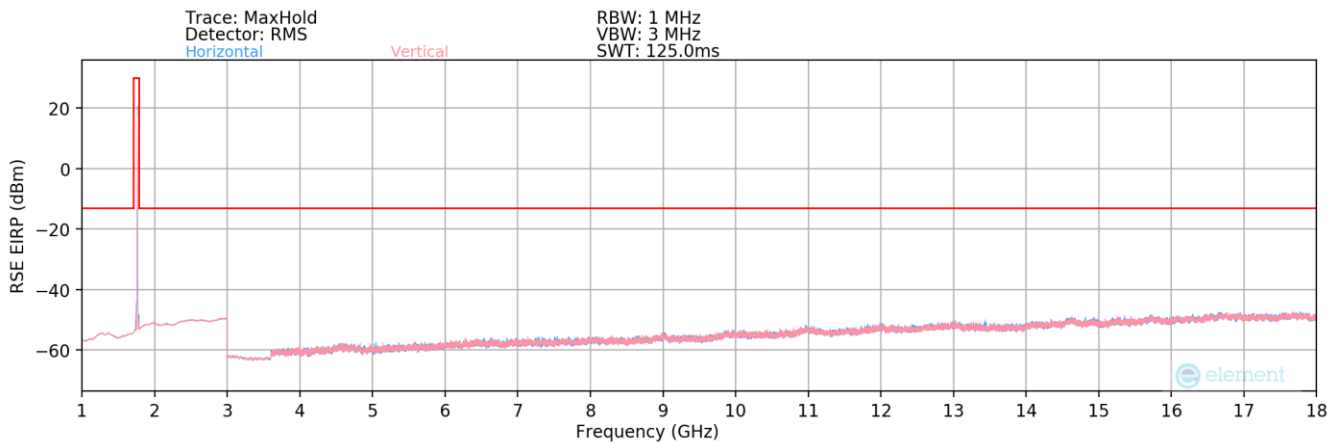
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Plot 7-477. Radiated Spurious Plot (ULCA LTE Band 66 – ANT A)



Plot 7-478. Radiated Spurious Plot (ULCA LTE Band 66 – ANT A)



Plot 7-479. Radiated Spurious Plot (ULCA LTE Band 66 – ANT A)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
SCC RB / Offset:	1 / 0

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	-	-	-77.83	2.98	32.15	-63.10	-13.00	-50.10
5160.00	V	-	-	-79.53	4.97	32.44	-62.81	-13.00	-49.81
6880.00	V	-	-	-79.74	7.77	35.03	-60.23	-13.00	-47.23

7-59. Radiated Spurious Data (ULCA LTE66 – Low Channel – ANT A)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1 / 0


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	-	-	-77.53	2.54	32.01	-63.25	-13.00	-50.25
5235.00	V	-	-	-79.25	5.03	32.78	-62.48	-13.00	-49.48
6980.00	V	-	-	-79.26	7.03	34.77	-60.49	-13.00	-47.49

Table 7-60. Radiated Spurious Data (ULCA LTE66 – Mid Channel – ANT A)

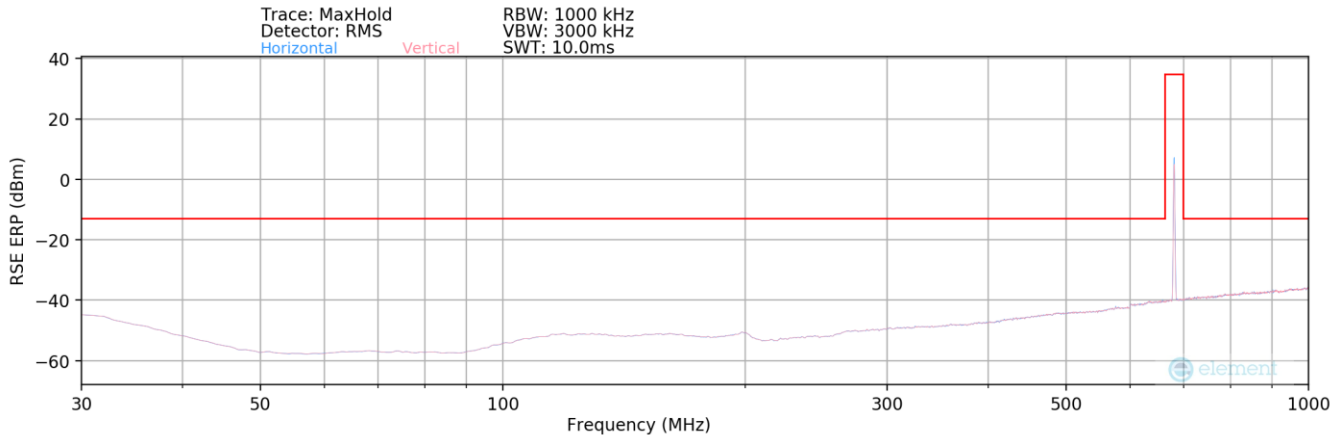
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
SCC RB / Offset:	1 / 99

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	-	-	-77.55	2.54	31.99	-63.27	-13.00	-50.27
5310.00	V	-	-	-79.37	4.80	32.43	-62.83	-13.00	-49.83
7080.00	V	-	-	-79.53	7.13	34.60	-60.65	-13.00	-47.65

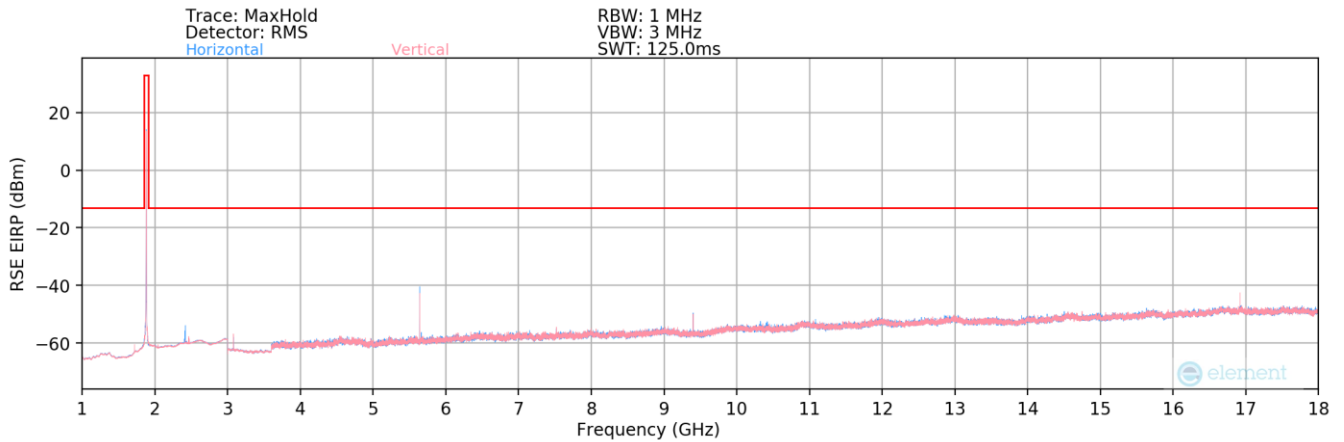
Table 7-61. Radiated Spurious Data (ULCA LTE66 – High Channel – ANT A)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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EN-DC: NR Band n71 – LTE Band 2 (ANT A)



Plot 7-480. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n71 – LTE Band 2 (ANT A))



Plot 7-481. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n71 – LTE Band 2 (ANT A))

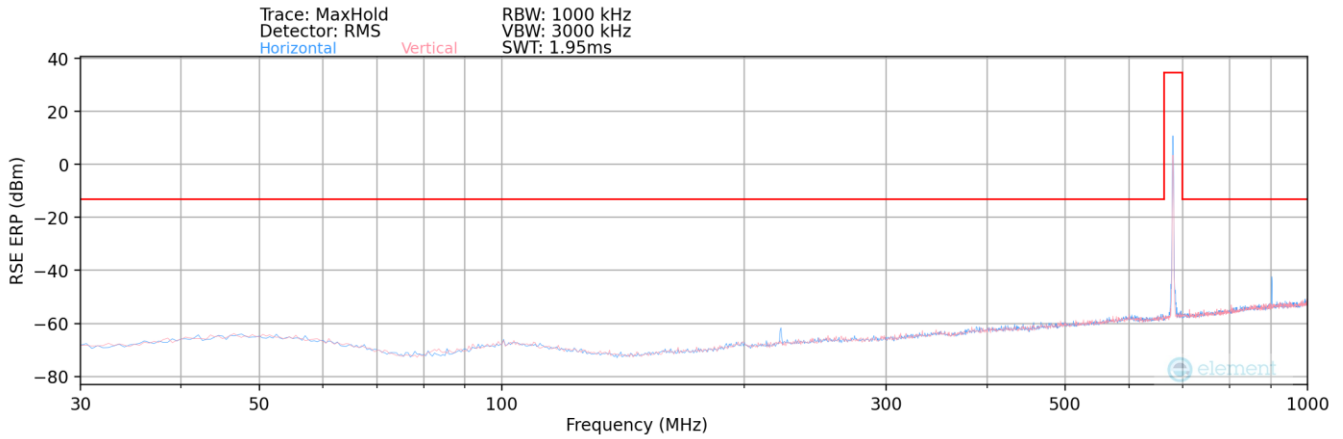
Bandwidth (MHz):	20&20
Frequency (MHz):	1882.5 & 680.5
RB / Offset:	1/53 & 1/50
Mode:	EN-DC
Anchor Band:	B2

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]
521.50	H	-	-	-100.10	26.23	33.13	-62.13	-13.00	-49.13
2414.00	H	253	345	-62.25	0.65	45.40	-49.86	-13.00	-36.86
5647.00	H	120	241	-62.00	5.08	50.08	-45.18	-13.00	-32.18
6328.00	H	-	-	-77.86	6.27	35.41	-59.84	-13.00	-46.84
7689.00	H	-	-	-77.71	7.56	36.85	-58.41	-13.00	-45.41
8051.00	H	-	-	-78.56	9.01	37.45	-57.81	-13.00	-44.81

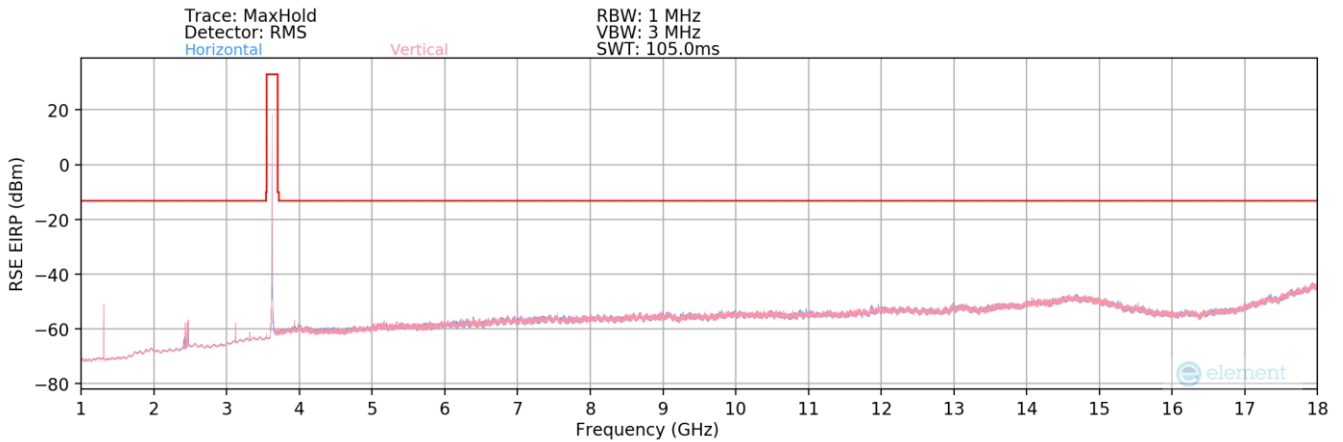
Table 7-62. Radiated Spurious Data (EN-DC: NR Band n71 – LTE Band 2 (ANT A))

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 298 of 328

EN-DC: NR Band n71 – LTE Band 48



Plot 7-482. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n71 – LTE Band 48)



Plot 7-483. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n71 – LTE Band 48)

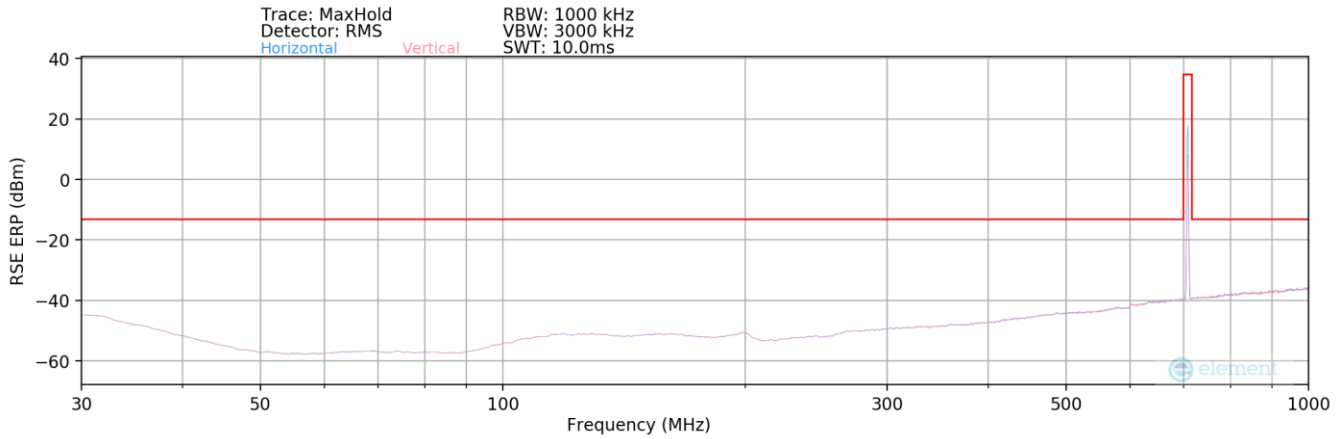
Bandwidth (MHz):	20 & 20
Frequency (MHz):	680.5 & 3625
RB / Offset:	1/53 & 1/50
Mode:	EN-DC
Anchor Band:	B48

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]
903.00	H	143	254	-54.97	-3.73	48.30	-46.95	-13.00	-33.95
1311.00	V	265	31	-28.13	-10.96	67.91	-27.35	-13.00	-14.35
2472.00	V	388	205	-48.39	-5.88	52.73	-42.53	-13.00	-29.53
3123.00	V	350	23	-54.34	-4.54	48.12	-47.14	-13.00	-34.14
3318.00	V	265	359	-64.84	-3.49	38.67	-56.59	-13.00	-43.59
4305.50	V	186	138	-70.51	-2.24	34.25	-61.01	-13.00	-48.01
4479.00	V	-	-	-72.93	-2.13	31.94	-63.31	-13.00	-50.31

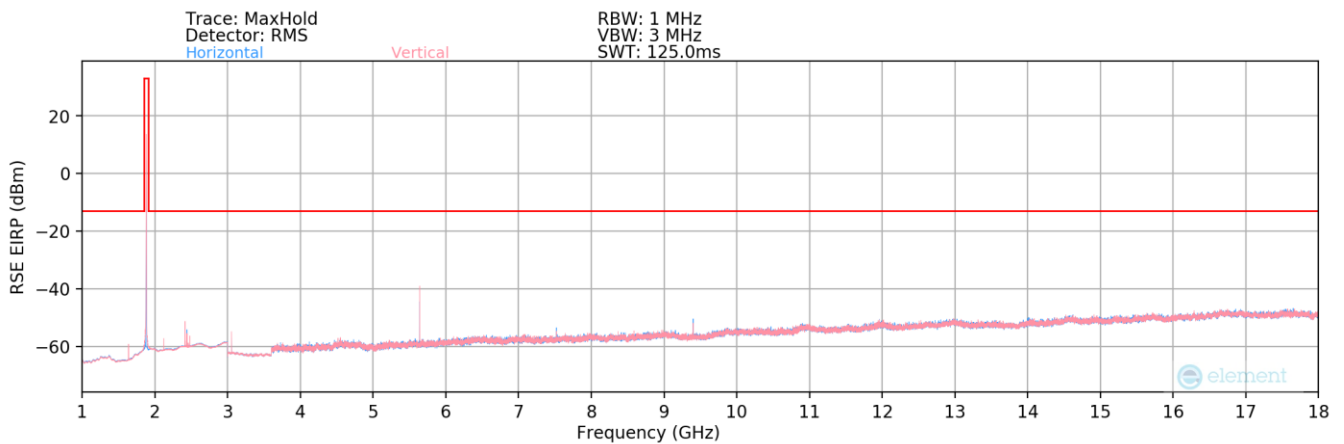
Table 7-63. Radiated Spurious Data (EN-DC: NR Band n71 – LTE Band 48)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 299 of 328

EN-DC: NR Band n12 – LTE Band 2 (ANT A)



Plot 7-484. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n12 – LTE Band 2 (ANT A))



Plot 7-485. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n12 – LTE Band 2 (ANT A))

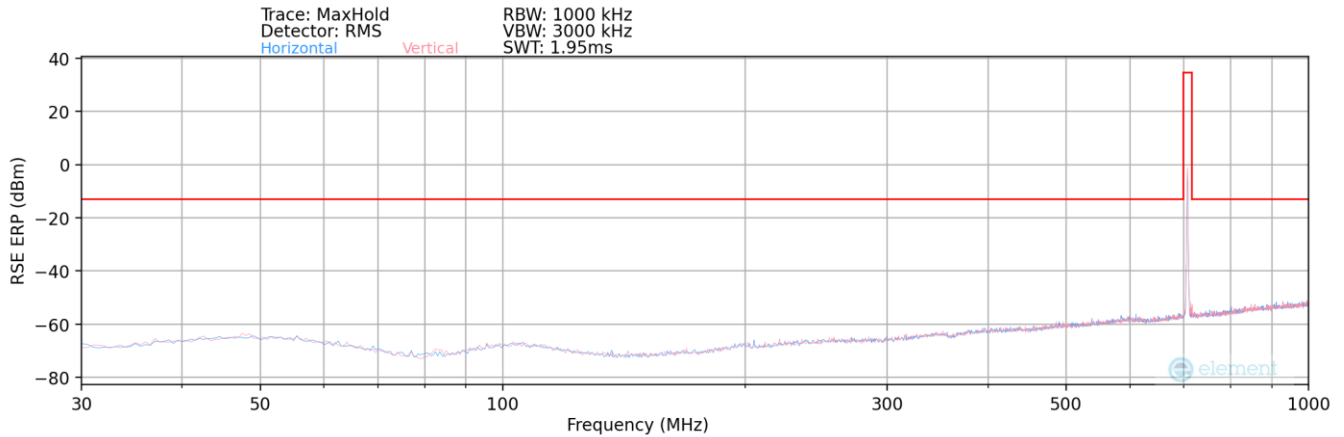
Bandwidth (MHz):	20 & 15
Frequency (MHz):	1882.5 & 707.5
RB / Offset:	1/39 & 1/50
Mode:	EN-DC
Anchor Band:	B2

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]
480.00	H	-	-	-101.22	25.49	31.27	-63.99	-13.00	-50.99
1670.00	V	120	214	-73.63	-3.58	29.79	-65.47	-13.00	-52.47
2431.00	H	245	346	-73.12	0.62	34.50	-60.76	-13.00	-47.76
3053.00	V	120	274	-63.81	1.76	44.95	-50.31	-13.00	-37.31
5647.50	H	119	90	-63.31	5.09	48.78	-46.48	-13.00	-33.48
9304.00	H	392	214	-79.13	9.46	37.33	-57.93	-13.00	-44.93
16927.00	H	296	237	-81.14	17.97	43.83	-51.43	-13.00	-38.43

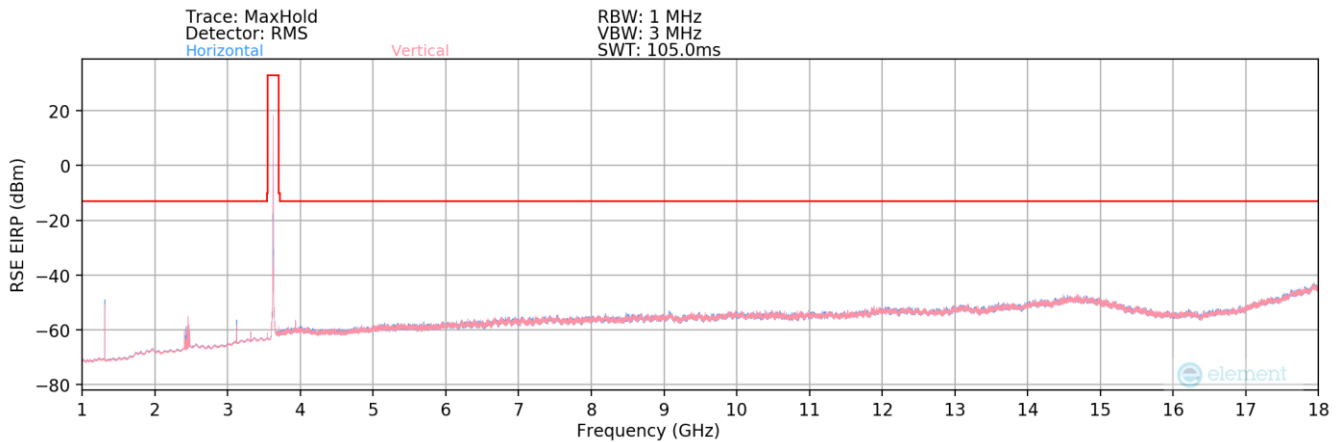
Table 7-64. Radiated Spurious Data (EN-DC: NR Band n12 – LTE Band 2 (ANT A))

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 300 of 328

EN-DC: NR Band n12 – LTE Band 48



Plot 7-486. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n12 – LTE Band 48)



Plot 7-487. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n12 – LTE Band 48)

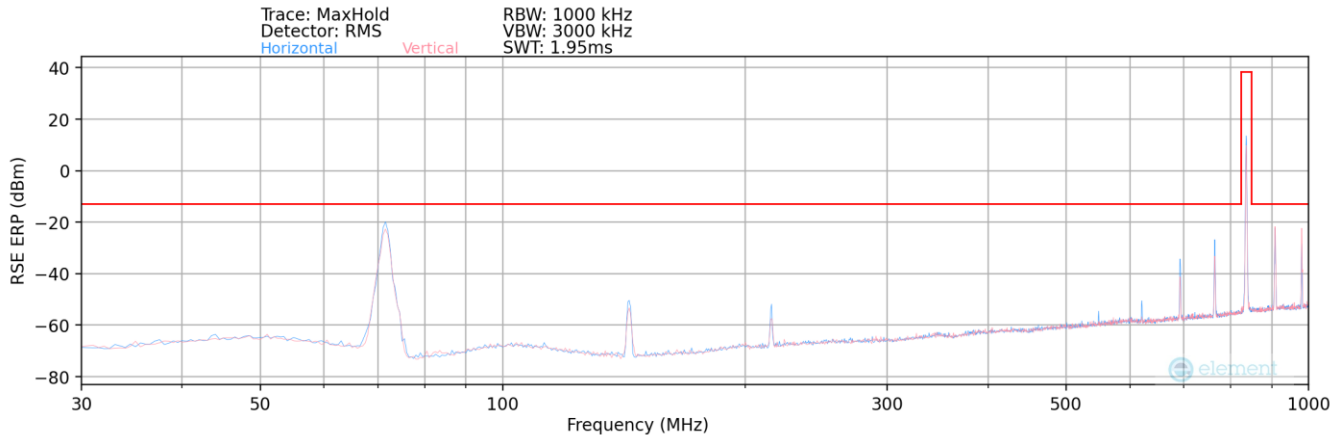
Bandwidth (MHz):	15 & 20
Frequency (MHz):	707.5 & 3625
RB / Offset:	1/39 & 1/50
Mode:	EN-DC
Anchor Band:	B48

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]
795.00	H	-	-	-79.36	-5.33	22.31	-72.95	-13.00	-59.95
1311.00	H	107	348	-28.02	-10.96	68.02	-27.24	-13.00	-14.24
2400.00	H	392	142	-60.98	-7.03	38.99	-56.27	-13.00	-43.27
3124.00	H	202	2	-53.81	-4.53	48.66	-46.60	-13.00	-33.60
3318.00	H	163	2	-64.93	-3.49	38.58	-56.68	-13.00	-43.68
3702.00	H	107	33	-68.80	-2.53	35.67	-59.59	-13.00	-46.59
4332.50	H	-	-	-75.77	-1.95	29.28	-65.98	-13.00	-52.98
5922.50	H	-	-	-72.51	1.18	35.67	-59.59	-13.00	-46.59

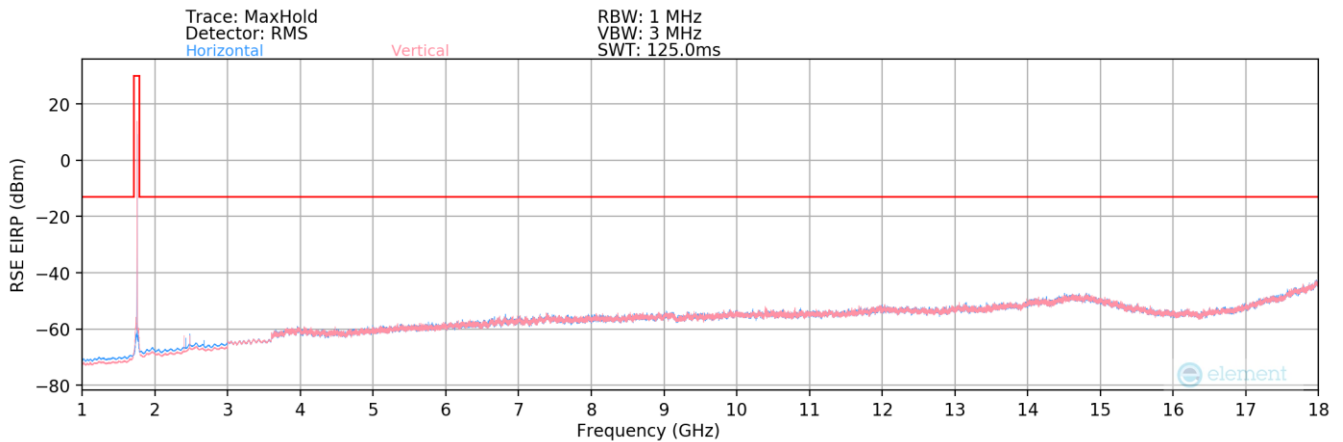
Table 7-65. Radiated Spurious Data (EN-DC: NR Band n12 – LTE Band 48)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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EN-DC: NR Band n66 (ANT A) – LTE Band 5



Plot 7-488. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n66 (ANT A) – LTE Band 5)



Plot 7-489. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n66 (ANT A) – LTE Band 5)

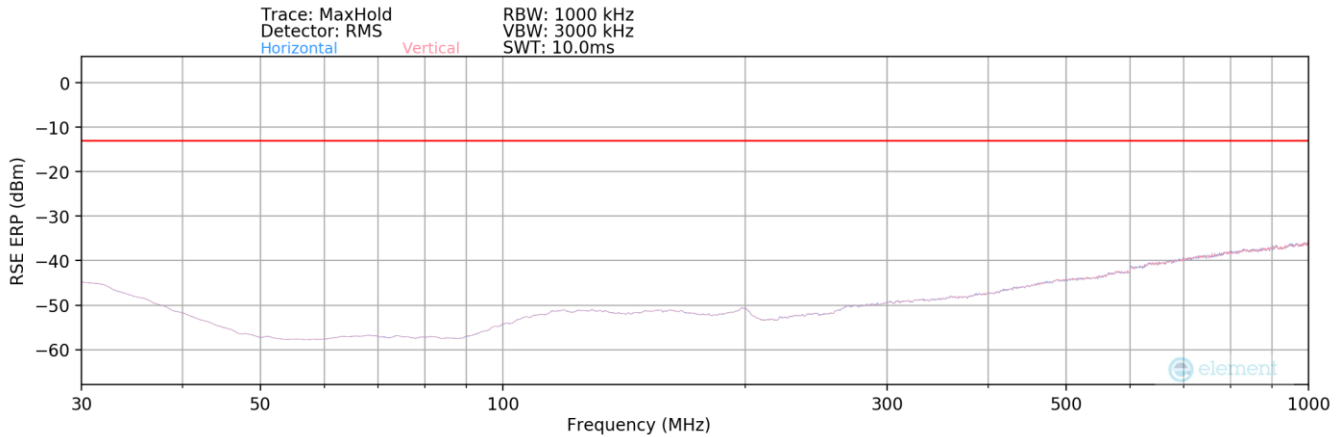
Bandwidth (MHz):	40 & 10
Frequency (MHz):	1745 & 836.5
RB / Offset:	1/108 & 1/25
Mode:	EN-DC
Anchor Band:	B5

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]
72.00	H	162	1	-13.42	-19.82	73.76	-21.50	-13.00	-8.50
908.50	H	208	1	-29.17	-3.65	74.18	-21.08	-13.00	-8.08
2475.00	H	-	-	-74.31	-5.85	26.84	-68.42	-13.00	-55.42
3346.00	H	-	-	-74.92	-2.29	29.79	-65.47	-13.00	-52.47
3634.00	H	-	-	-74.49	-2.27	30.24	-65.02	-13.00	-52.02

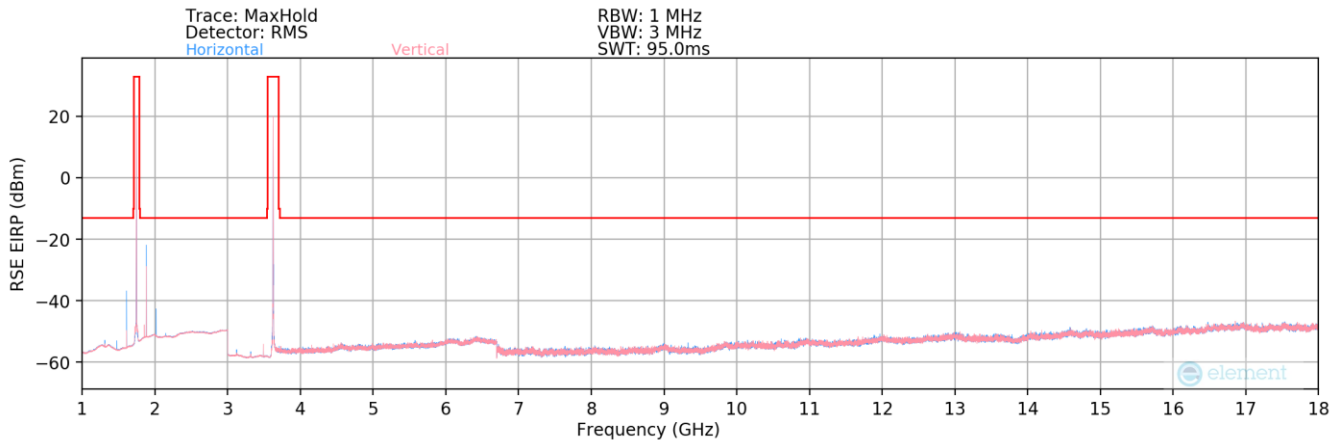
Table 7-66. Radiated Spurious Data (EN-DC: NR Band n66 (ANT A) – LTE Band 5)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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EN-DC: NR Band n66– LTE Band 48



Plot 7-490. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n66 – LTE Band 48)



Plot 7-491. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n66 – LTE Band 48)

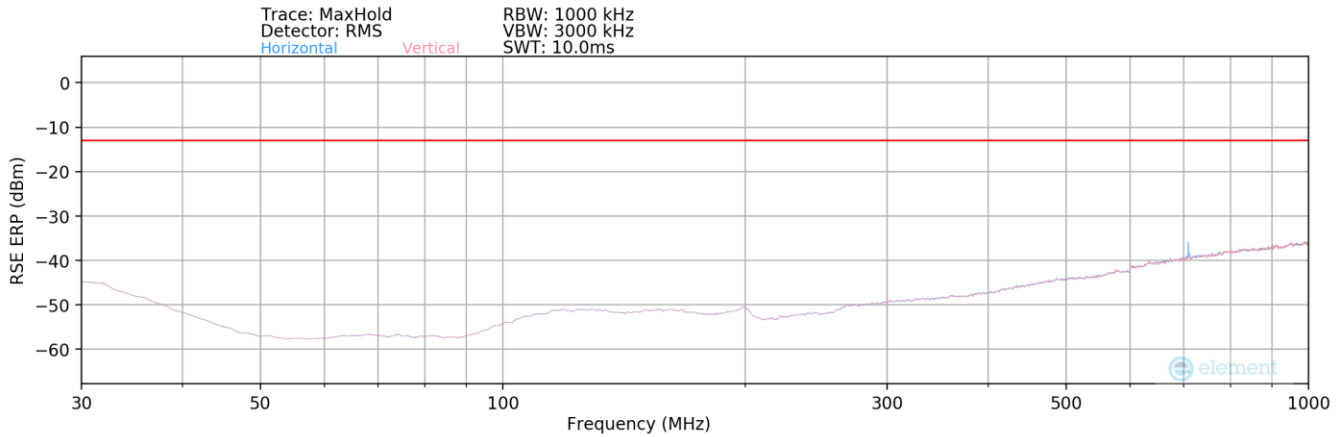
Bandwidth (MHz):	40 & 20
Frequency (MHz):	1745 & 3625
RB / Offset:	1 / 108 & 1 / 50
Mode:	EN-DC
Anchor Band:	LTE B48

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]
405.00	H	-	-	-84.17	23.40	46.23	-49.03	-13.00	-36.03
1310.00	H	203	346	-48.75	5.85	64.10	-31.16	-13.00	-18.16
1880.00	H	255	13	-54.34	8.99	61.65	-33.61	-13.00	-20.61
3490.00	H	222	335	-66.13	2.54	43.41	-51.85	-13.00	-38.85
5235.00	H	-	-	-80.04	5.03	31.99	-63.27	-13.00	-50.27
7250.00	H	-	-	-78.40	7.59	36.19	-59.07	-13.00	-46.07
8725.00	H	-	-	-79.36	8.35	35.99	-59.27	-13.00	-46.27

Table 7-67. Radiated Spurious Data (EN-DC: NR Band n66 – LTE Band 48)

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 303 of 328

LTE Band 66/4 – Ant F




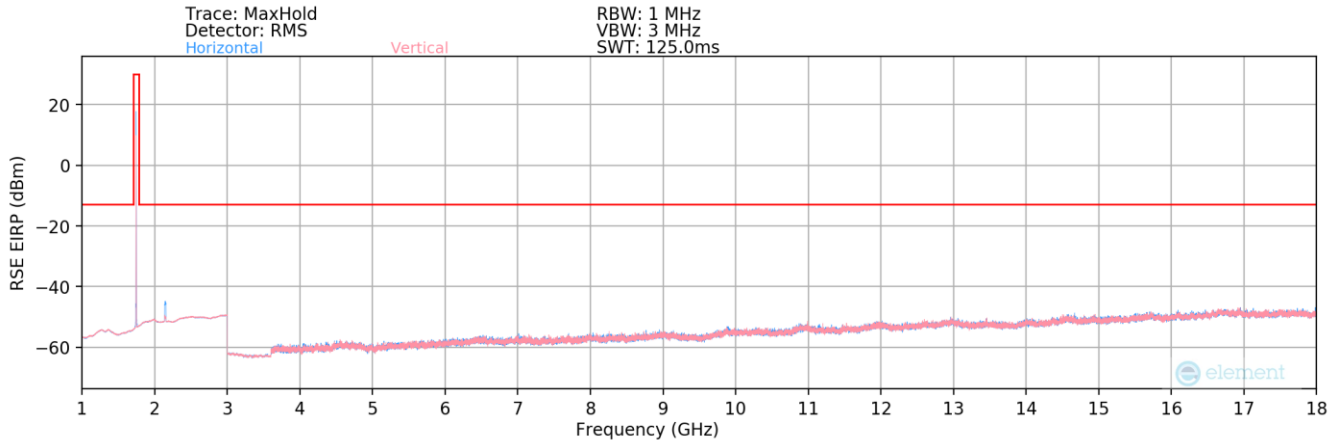
Plot 7-492. Radiated Spurious Plot 30MHz-1GHz (LTE Band 66/4 – Ant F)

Mode:	20
Channel:	1720
Frequency (MHz):	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]
597.37	V	-	-	-69.47	-7.79	29.74	-67.67	-13.00	-54.67

Table 7-68. Radiated Spurious Data 30MHz-1GHz (LTE Band 66/4 – Mid Channel – Ant F)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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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	-	-	-78.01	2.98	31.97	-63.28	-13.00	-50.28
5160.00	H	324	233	-78.45	4.97	33.52	-61.73	-13.00	-48.73
6880.00	H	-	-	-80.21	7.77	34.56	-60.70	-13.00	-47.70
8600.00	H	-	-	-81.21	8.44	34.23	-61.03	-13.00	-48.03
10320.00	H	-	-	-81.31	10.81	36.50	-58.76	-13.00	-45.76

Table 7-69. Radiated Spurious Data (LTE Band 66/4 – Low Channel – Ant F)

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	-	-	-77.98	2.54	31.56	-63.70	-13.00	-50.70
5235.00	H	351	61	-66.34	5.03	45.69	-49.57	-13.00	-36.57
6980.00	H	-	-	-79.21	7.03	34.82	-60.44	-13.00	-47.44
8725.00	H	-	-	-80.67	8.37	34.70	-60.56	-13.00	-47.56
10470.00	H	-	-	-82.23	11.57	36.34	-58.91	-13.00	-45.91

Table 7-70. Radiated Spurious Data (LTE Band 66/4 – Mid Channel – Ant F)

FCC ID: A3LSMS916U		PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset	Page 305 of 328



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	-	-	-77.62	2.54	31.92	-63.34	-13.00	-50.34
5310.00	H	-	-	-79.16	4.80	32.64	-62.62	-13.00	-49.62
7080.00	H	-	-	-79.35	7.13	34.78	-60.47	-13.00	-47.47
8850.00	H	-	-	-80.16	8.57	35.41	-59.85	-13.00	-46.85
10620.00	H	-	-	-82.10	11.93	36.83	-58.43	-13.00	-45.43

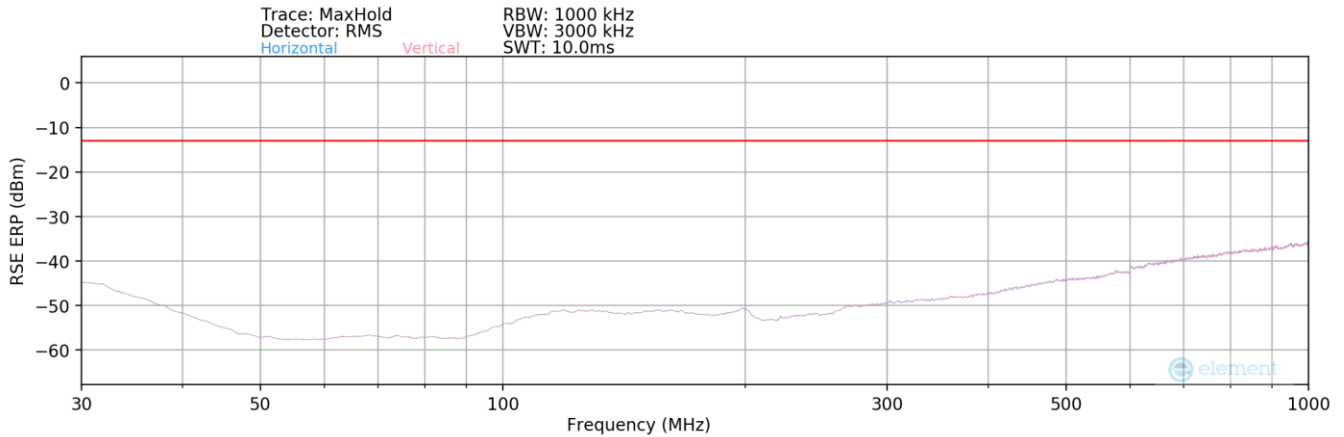
Table 7-71. Radiated Spurious Data (LTE Band 66/4 – High Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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NR Band n66 – Ant F




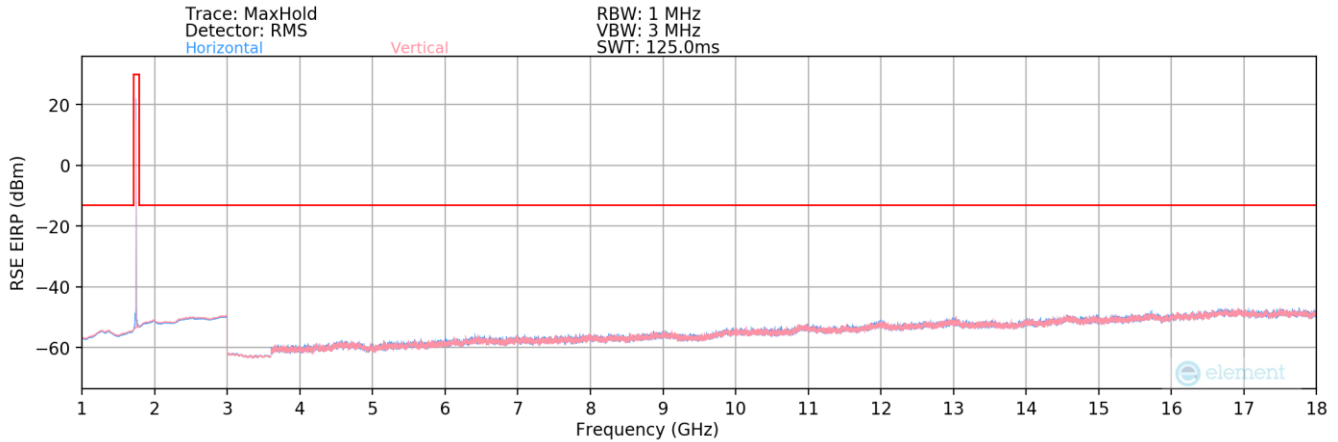
Plot 7-493. Radiated Spurious Plot 30MHz-1GHz (NR Band n66 – Ant F)

Mode:	Stand Alone
Frequency (MHz):	1745

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
965.58	H	0	0	-89.19	31.92	49.73	-47.67	-13.00	-34.67

Table 7-72. Radiated Spurious Data 30MHz-1GHz (NR Band n66 – Mid Channel – Ant F)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Plot 7-494. Radiated Spurious Plot (NR Band n66 – Ant F)

Bandwidth (MHz):	40
Frequency (MHz):	1730
RB / Offset:	1 / 108
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	-	-	-78.15	2.84	31.69	-63.57	-13.00	-50.57
5190.00	H	-	-	-79.55	5.07	32.52	-62.74	-13.00	-49.74
6920.00	H	-	-	-79.94	7.36	34.42	-60.84	-13.00	-47.84

Table 7-73. Radiated Spurious Data (NR Band n66 – Low Channel – Ant F)

Bandwidth (MHz):	40
Frequency (MHz):	1745
RB / Offset:	1 / 108
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	-	-	-78.18	2.54	31.36	-63.90	-13.00	-50.90
5235.00	H	-	-	-79.12	5.03	32.91	-62.35	-13.00	-49.35
6980.00	H	-	-	-79.04	7.03	34.99	-60.27	-13.00	-47.27

Table 7-74. Radiated Spurious Data (NR Band n66 – Mid Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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Bandwidth (MHz):	40
Frequency (MHz):	1760
RB / Offset:	1 / 108
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	-	-	-77.80	2.60	31.80	-63.45	-13.00	-50.45
5280.00	H	-	-	-79.23	4.75	32.52	-62.74	-13.00	-49.74
7040.00	H	-	-	-79.35	6.88	34.53	-60.73	-13.00	-47.73

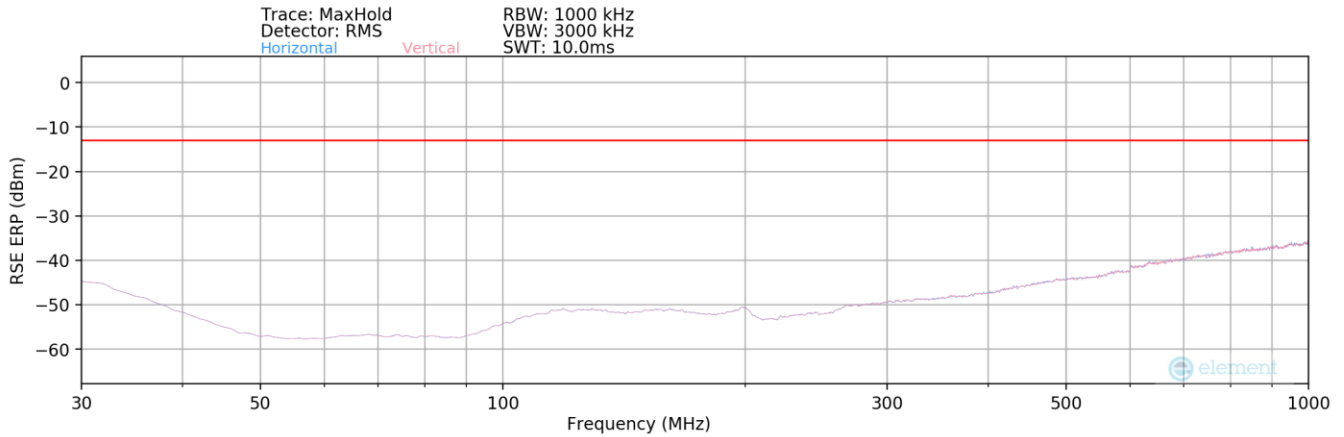
Table 7-75. Radiated Spurious Data (NR Band n66 – High Channel – Ant F)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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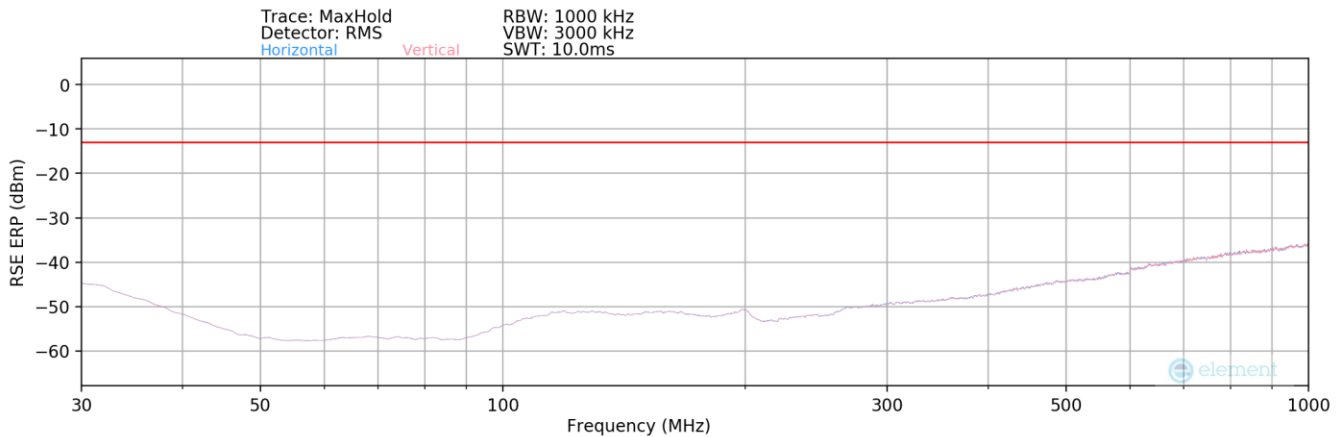
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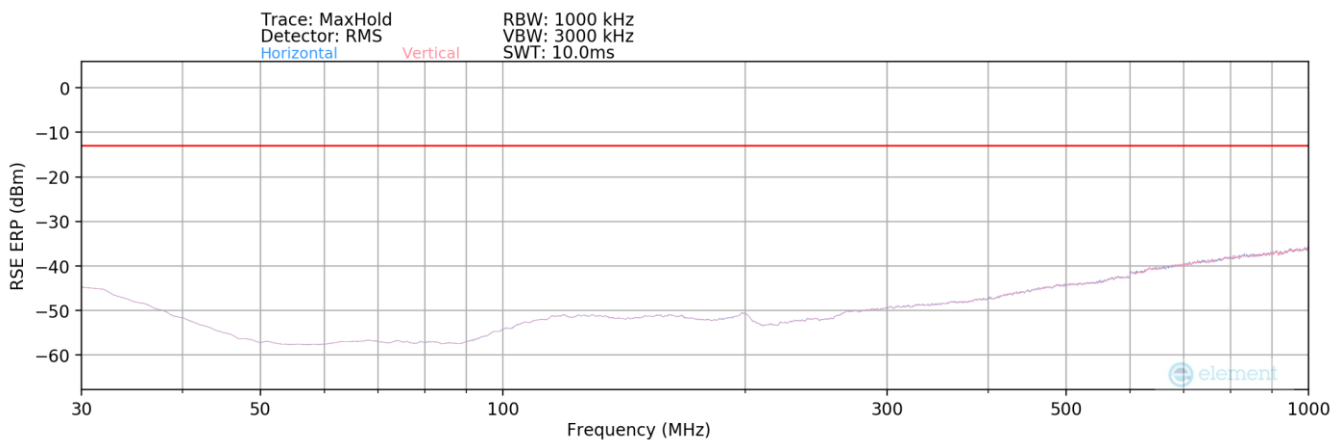
Uplink CA LTE Band 66B/C – Ant F




Plot 7-495. Radiated Spurious Plot 30MHz-1GHz (ULCA LTE Band 66 – Low Channel - Ant F)



Plot 7-496. Radiated Spurious Plot 30MHz-1GHz (ULCA LTE Band 66 – Mid Channel - Ant F)



Plot 7-497. Radiated Spurious Plot 30MHz-1GHz (ULCA LTE Band 66 – High Channel - Ant F)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1 / 0

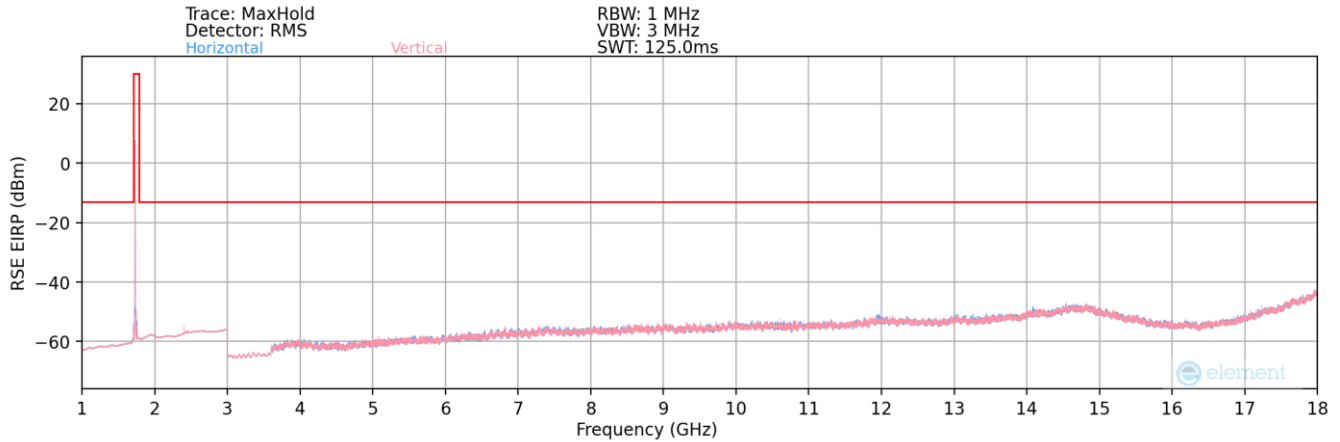
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
122.27	V	-	-	-84.10	20.17	43.07	-54.34	-13.00	-41.34
320.99	V	-	-	-84.08	21.46	44.38	-53.03	-13.00	-40.03
517.14	V	-	-	-83.91	26.34	49.43	-47.98	-13.00	-34.98

Table 7-76. Radiated Spurious Data 30MHz-1GHz (ULCA LTE66 – Mid Channel – Ant F)

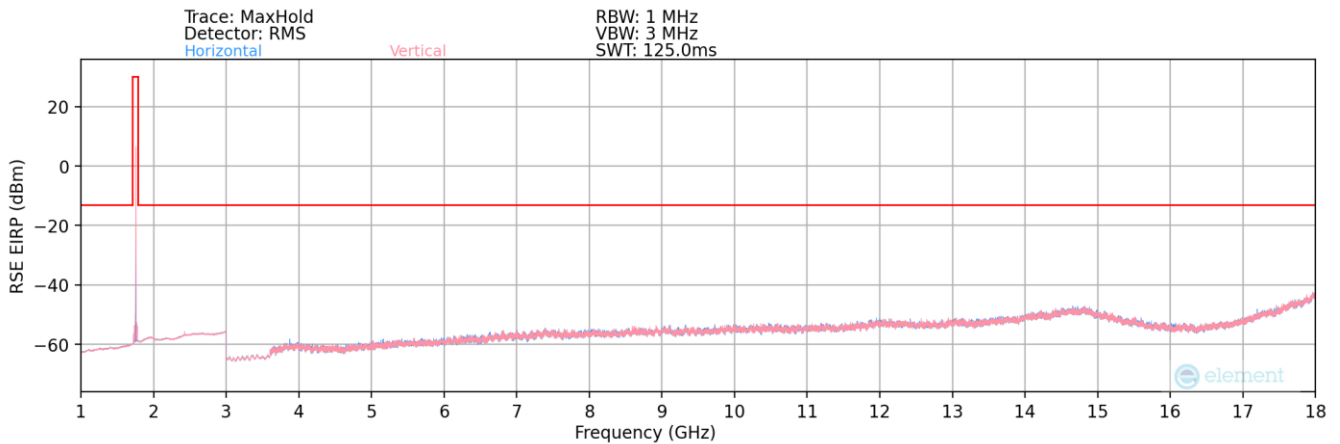
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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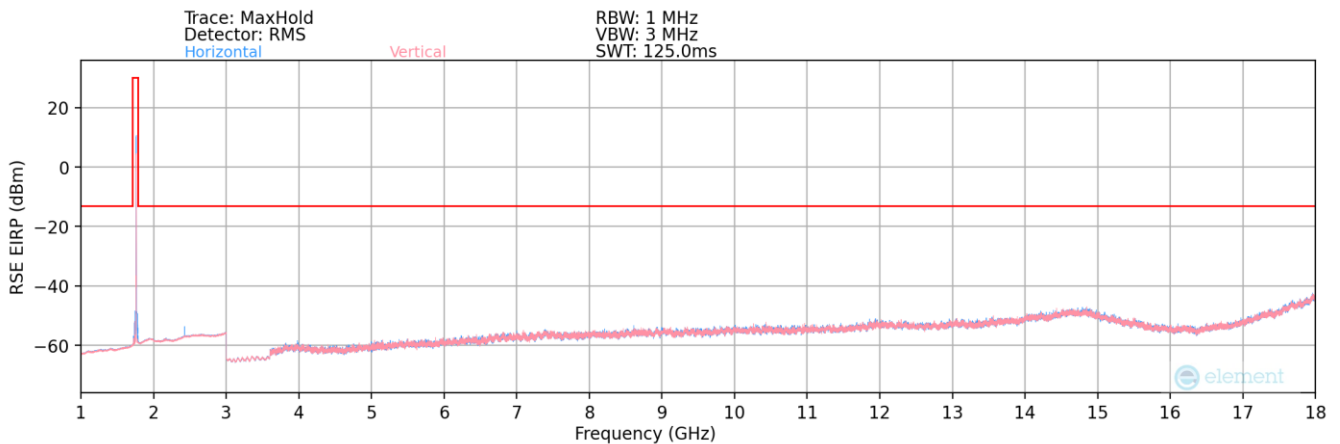
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Plot 7-498. Radiated Spurious Plot (ULCA LTE Band 66 – Low Channel - Ant F)



Plot 7-499. Radiated Spurious Plot (ULCA LTE Band 66 – Mid Channel - Ant F)



Plot 7-500. Radiated Spurious Plot (ULCA LTE Band 66 – High Channel - Ant F)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
SCC RB / Offset:	1 / 0

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	-	-	-74.43	-2.15	30.42	-64.84	-13.00	-51.84
5160.00	V	-	-	-75.72	-0.13	31.15	-64.11	-13.00	-51.11
6880.00	V	-	-	-75.65	3.44	34.79	-60.47	-13.00	-47.47

7-77. Radiated Spurious Data (ULCA LTE66 – Low Channel – Ant F)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
SCC RB / Offset:	1 / 0


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	-	-	-73.75	-2.82	30.43	-64.82	-13.00	-51.82
5235.00	V	-	-	-75.51	-0.10	31.39	-63.87	-13.00	-50.87
6980.00	V	-	-	-75.82	4.39	35.57	-59.69	-13.00	-46.69

Table 7-78. Radiated Spurious Data (ULCA LTE66 – Mid Channel – Ant F)

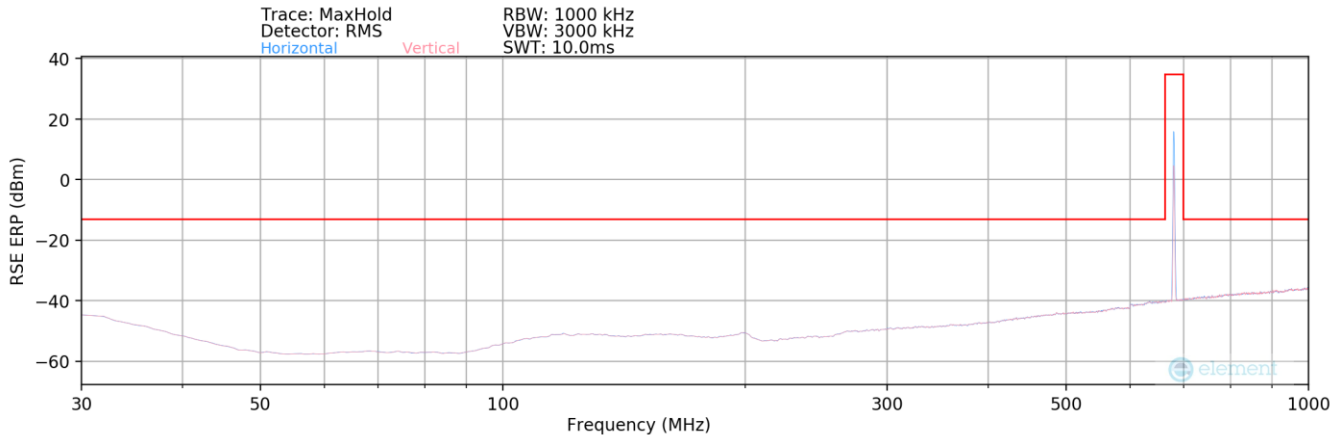
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
SCC RB / Offset:	1 / 99

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	-	-	-74.02	-2.26	30.72	-64.54	-13.00	-51.54
5310.00	V	-	-	-75.27	0.34	32.07	-63.19	-13.00	-50.19
7080.00	V	-	-	-76.22	3.86	34.64	-60.62	-13.00	-47.62

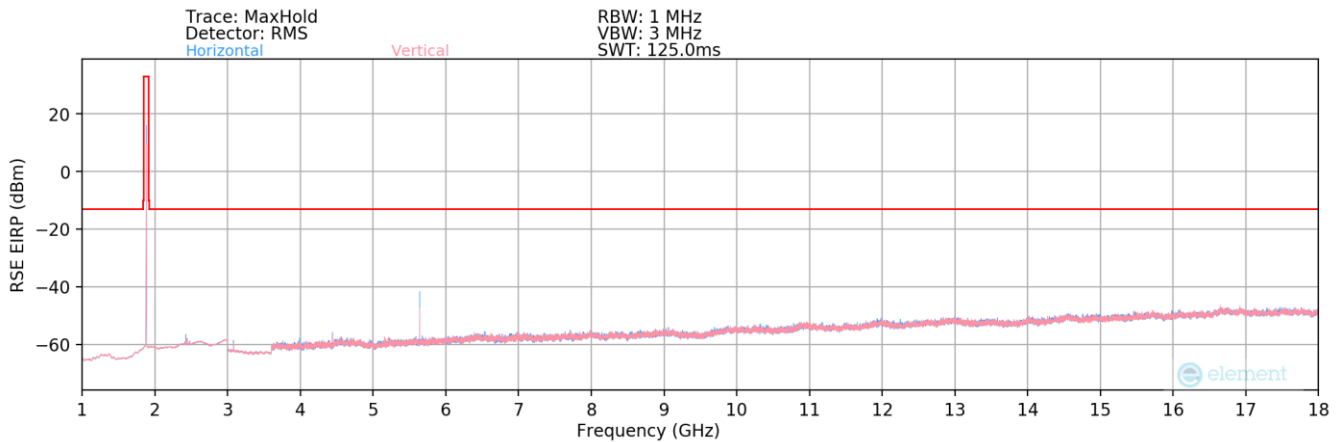
Table 7-79. Radiated Spurious Data (ULCA LTE66 – High Channel – Ant F)

FCC ID: A3LSMS916U	 PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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EN-DC: NR Band n71 – LTE Band 2 (ANT F)



Plot 7-501. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n71 – LTE Band 2 (ANT F))



Plot 7-502. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n71 – LTE Band 2 (ANT F))

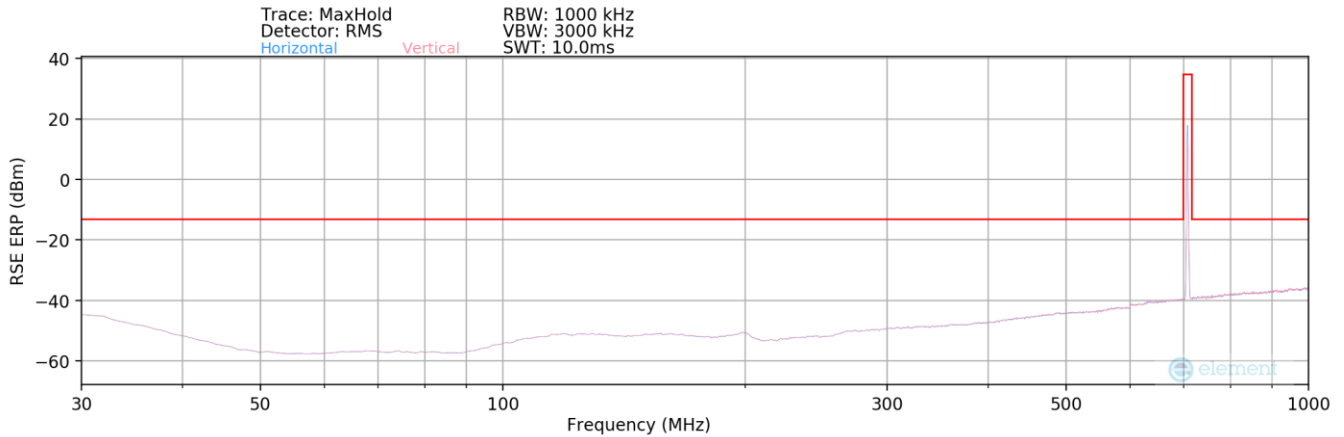
Bandwidth (MHz):	20 & 20
Frequency (MHz):	680.5 & 1880
RB / Offset:	1 / 50 & 1/50
Mode:	EN-DC
Anchor Band:	Band 2

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]
519.00	H	-	-	-99.30	26.20	33.90	-61.36	-13.00	-48.36
2424.00	H	322	199	-71.22	0.62	36.40	-58.86	-13.00	-45.86
4404.00	H	283	247	-69.05	3.48	41.43	-53.83	-13.00	-40.83
5640.00	H	287	344	-62.28	5.18	49.90	-45.35	-13.00	-32.35
7001.00	H	-	-	-77.75	6.92	36.17	-59.09	-13.00	-46.09
7520.00	H	-	-	-77.43	7.51	37.08	-58.18	-13.00	-45.18
8558.00	H	-	-	-77.14	8.51	38.37	-56.89	-13.00	-43.89

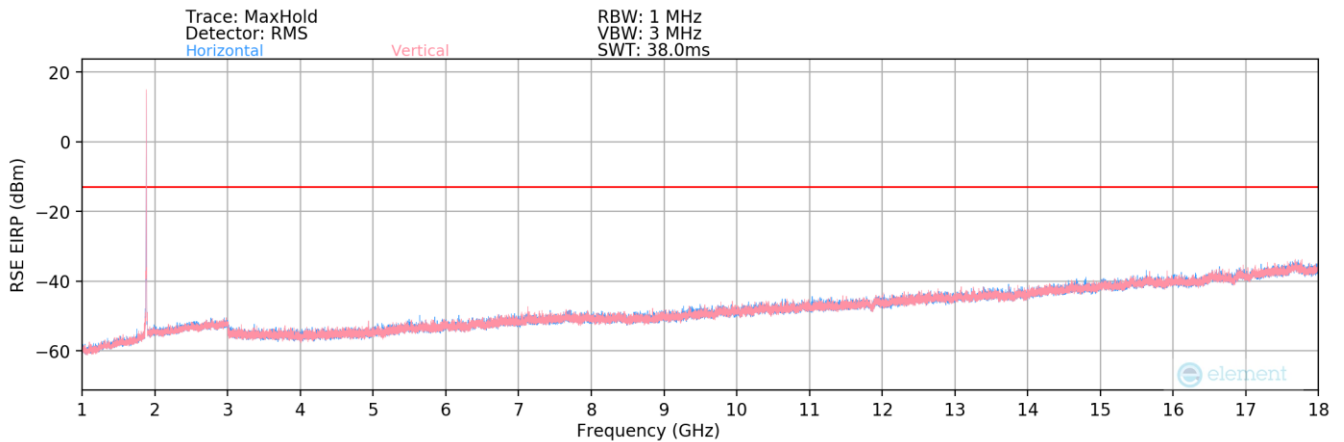
Plot 7-503. Radiated Spurious Plot (EN-DC: NR Band n71 – LTE Band 2 (ANT F))

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2209010097-03.A3L	Test Dates: 09/02/2022 - 11/20/2022	EUT Type: Portable Handset
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EN-DC: NR Band n12 – LTE Band 2 (ANT F)



Plot 7-504. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n12 – LTE Band 2 (ANT F))



Plot 7-505. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n12 – LTE Band 2 (ANT F))

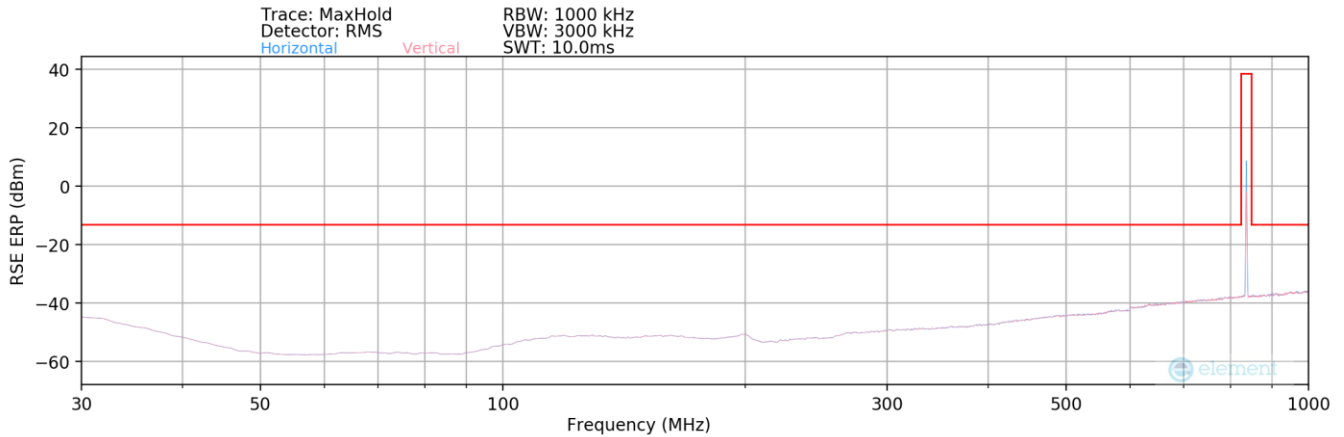
Bandwidth (MHz):	15 & 20
Frequency (MHz):	707.5 & 1880
RB / Offset:	1 / 37 & 1 / 50
Mode:	EN-DC
Anchor Band:	Band 2 - ANT F

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]
465.00	V	-	-	-100.25	25.36	32.11	-63.15	-13.00	-50.15
1637.50	V	-	-	-77.02	8.27	38.25	-57.01	-13.00	-44.01
2810.00	V	-	-	-77.70	12.81	42.11	-53.15	-13.00	-40.15
3052.50	V	-	-	-78.71	5.40	33.69	-61.57	-13.00	-48.57
3982.50	V	-	-	-79.87	5.81	32.94	-62.32	-13.00	-49.32
4225.00	V	-	-	-80.15	6.50	33.35	-61.91	-13.00	-48.91
5397.50	V	-	-	-80.86	9.01	35.15	-60.11	-13.00	-47.11
6570.00	V	-	-	-81.49	10.54	36.05	-59.21	-13.00	-46.21

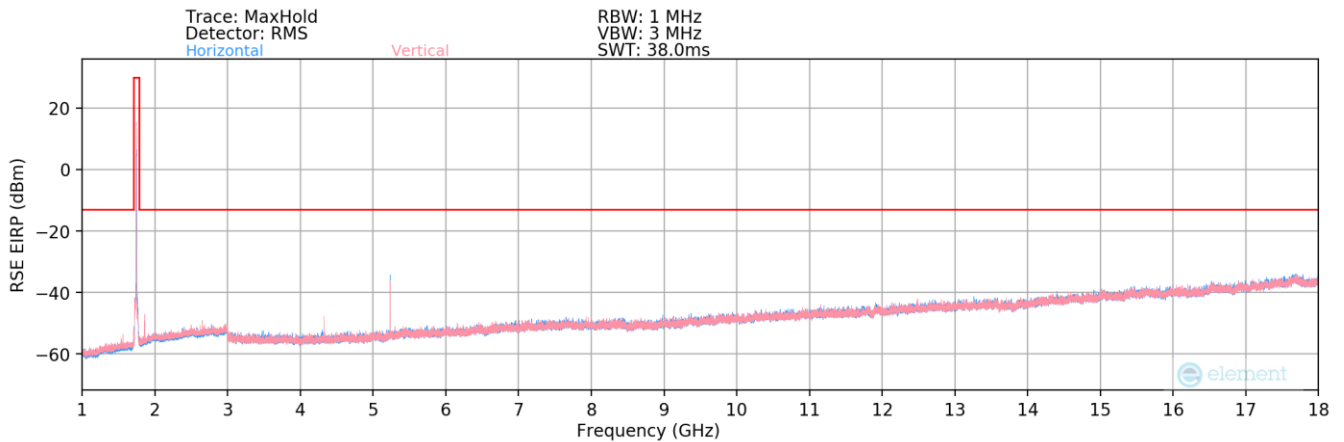
Plot 7-506. Radiated Spurious Plot (EN-DC: NR Band n12 – LTE Band 2 (ANT F))

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EN-DC: NR Band n66 (ANT F) – LTE Band 5



Plot 7-507. Radiated Spurious Plot 30MHz-1GHz (EN-DC: NR Band n66 (ANT F) – LTE Band 5)



Plot 7-508. Radiated Spurious Plot 1-18GHz (EN-DC: NR Band n66 (ANT F) – LTE Band 5)

Bandwidth (MHz):	40 & 10
Frequency (MHz):	1745 & 836.5
RB / Offset:	1/108 & 1/25
Mode:	EN-DC
Anchor Band:	5

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]
620.50	H	-	-	-100.92	27.25	33.33	-61.92	-13.00	-48.92
1859.50	V	-	-	-77.12	0.61	30.49	-64.76	-13.00	-51.76
4326.50	V	135	1	-76.00	6.21	37.21	-58.05	-13.00	-45.05
5235.00	H	118	46	-68.44	7.64	46.20	-49.05	-13.00	-36.05
6071.50	V	-	-	-80.61	9.85	36.24	-59.02	-13.00	-46.02
7816.50	V	-	-	-81.56	13.41	38.85	-56.40	-13.00	-43.40
12143.00	V	-	-	-82.23	18.32	43.09	-52.17	-13.00	-39.17

Plot 7-509. Radiated Spurious Plot (EN-DC: NR Band n66 (ANT F) – LTE Band 5)

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