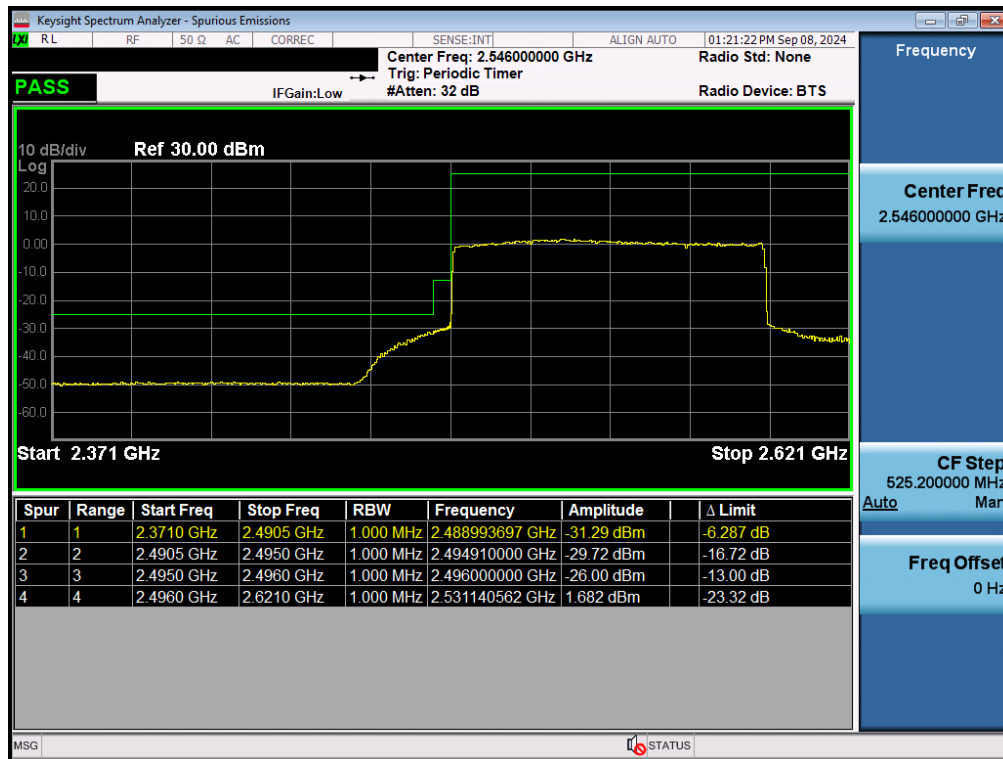
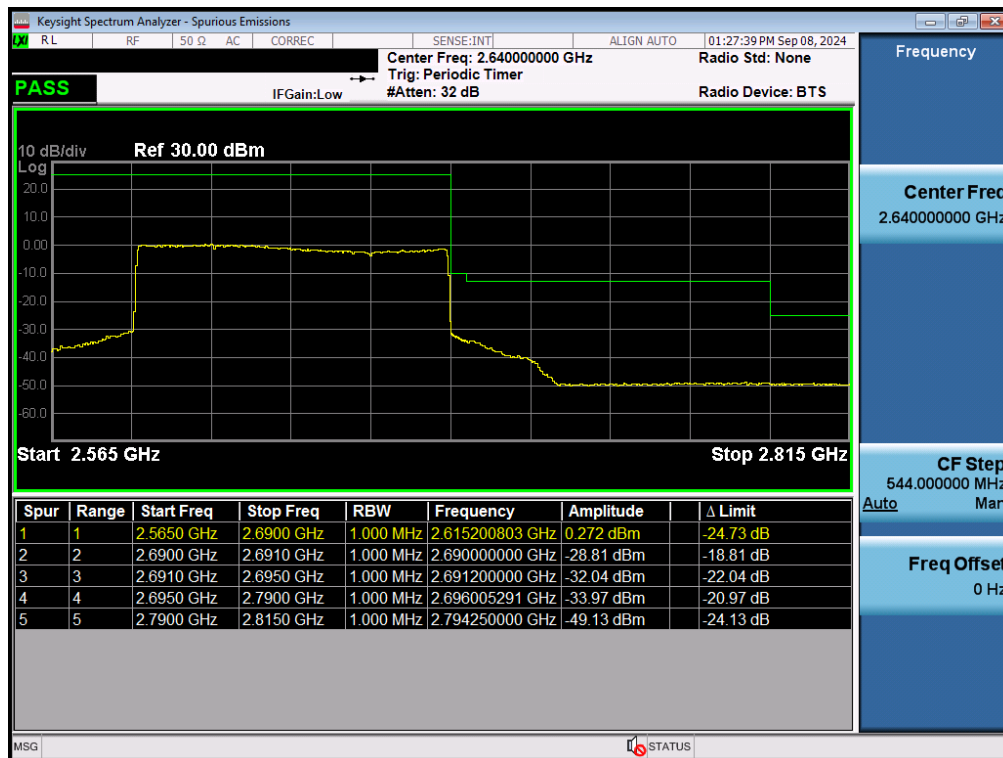


NR Band n41 – Ant D – Default



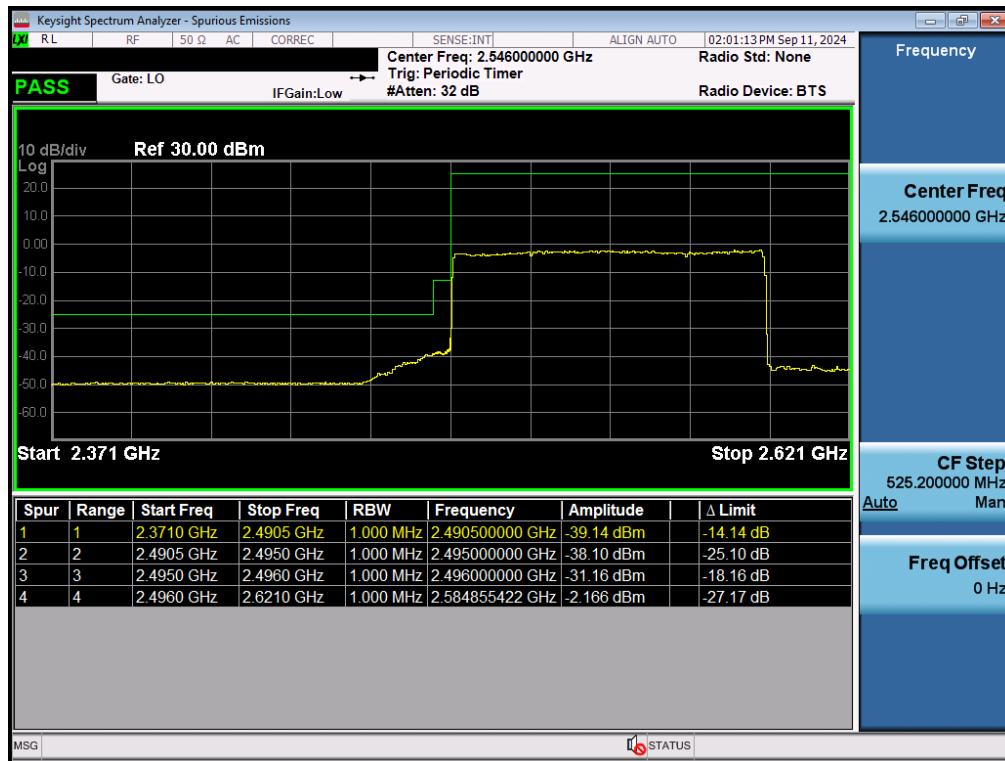
Plot 7-321. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant D)



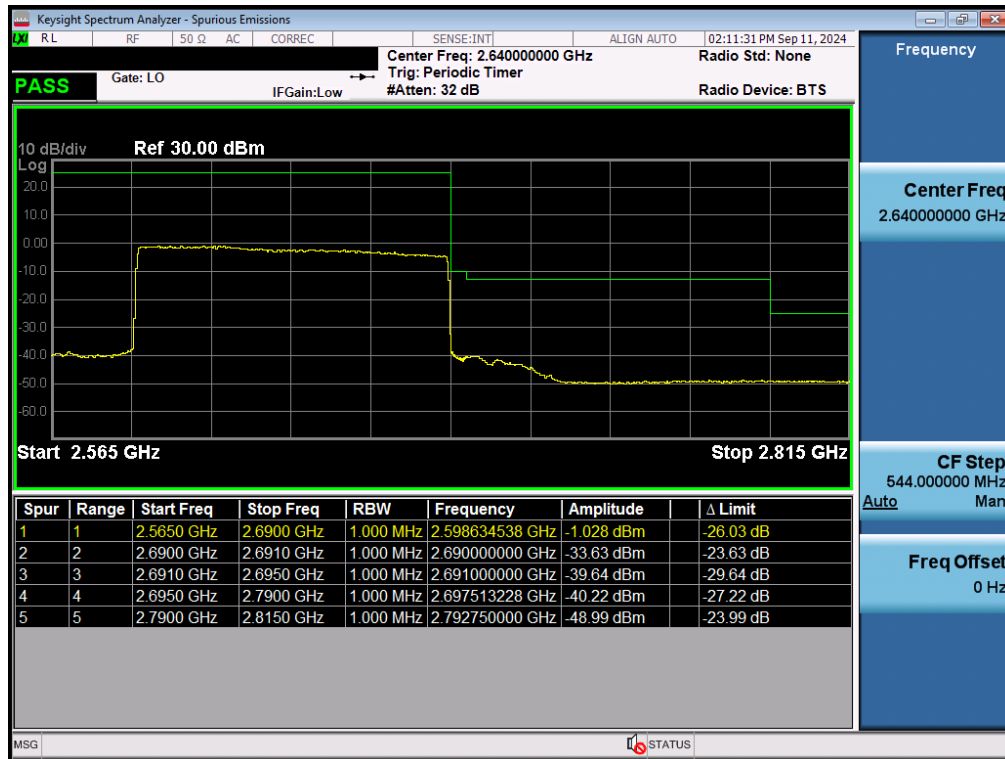
Plot 7-322. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant D)

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NR Band n41 – Ant E – Switching



Plot 7-323. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant E)



Plot 7-324. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant E)

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7.6 Radiated Power (EIRP)

Test Overview

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. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW $\geq 3 \times$ RBW
4. Span = 1.5 times the OBW
5. No. of sweep points $\geq 2 \times$ span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". Trigger is set to enable triggering only on full power bursts with the sweep time set less than or equal to the transmission burst duration.
8. The integration bandwidth was roughly set equal to the measured OBW of the signal for signals with continuous operation. For signals with burst transmission, the "gating" function was enabled to ensure that measurements are performed during times in which the transmitter is operating at its maximum power.
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.

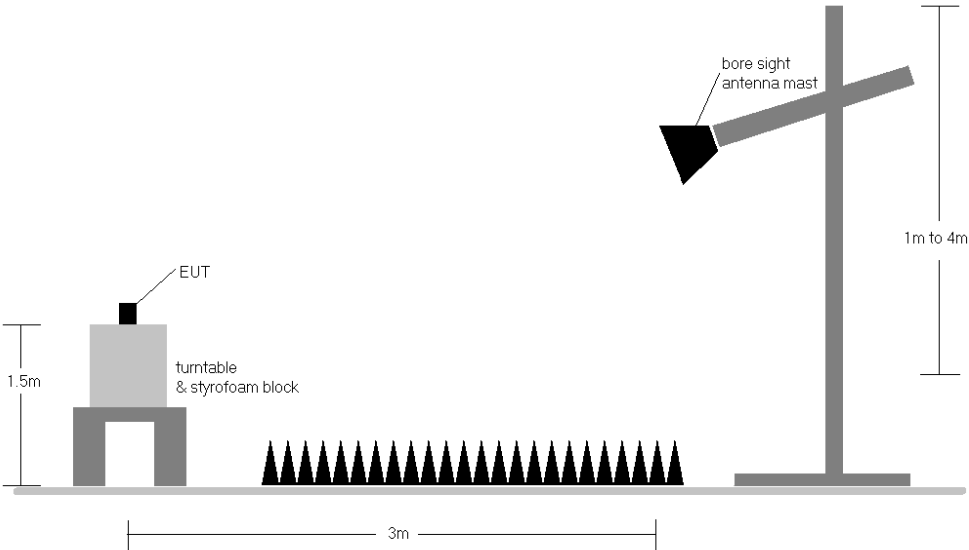


Figure 7-5. Radiated Test Setup >1GHz

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst-case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) For NR operation, all subcarrier spacings (SCS) and transmission schemes (e.g. CP-OFDM and DFT-s-OFDM) were investigated to determine the worst-case configuration. All modes of operation were investigated and the worst-case configuration results are reported in this section.

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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]
10 MHz	QPSK	2310.0	H	100	154	9.16	50 / 0	10.26	19.42	0.088	23.98	-4.56
	16-QAM	2310.0	H	100	154	9.16	50 / 0	9.24	18.40	0.069	23.98	-5.58
5 MHz	QPSK	2307.5	H	100	154	9.16	1 / 0	10.59	19.75	0.094	23.98	-4.23
	QPSK	2310.0	H	100	154	9.16	1 / 12	10.31	19.47	0.089	23.98	-4.51
	QPSK	2312.5	H	100	154	9.17	1 / 0	10.46	19.62	0.092	23.98	-4.35
	16-QAM	2310.0	H	100	154	9.16	1 / 12	9.69	18.85	0.077	23.98	-5.13
10 MHz	Opposite Pol.	2310.0	V	100	269	9.16	50 / 0	9.62	18.78	0.076	23.98	-5.20
	WCP	2310.0	H	100	161	9.16	50 / 0	9.32	18.48	0.071	23.98	-5.50

Table 7-44. EIRP Data (LTE Band 30 – 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]
20 MHz	QPSK	2510.0	H	101	162	9.40	1 / 99	10.96	20.36	0.109	33.01	-12.65
	QPSK	2535.0	H	100	161	9.44	1 / 99	12.79	22.23	0.167	33.01	-10.78
	QPSK	2560.0	H	100	151	9.48	1 / 0	12.98	22.46	0.176	33.01	-10.55
	16-QAM	2560.0	H	100	151	9.48	1 / 0	12.13	21.61	0.145	33.01	-11.40
15 MHz	QPSK	2507.5	H	101	162	9.40	1 / 74	10.96	20.36	0.109	33.01	-12.65
	QPSK	2535.0	H	100	161	9.44	1 / 0	12.72	22.16	0.164	33.01	-10.85
	QPSK	2562.5	H	100	151	9.48	1 / 37	13.15	22.63	0.183	33.01	-10.38
	16-QAM	2562.5	H	100	151	9.48	1 / 37	11.90	21.38	0.137	33.01	-11.63
10 MHz	QPSK	2505.0	H	101	162	9.40	1 / 25	11.10	20.50	0.112	33.01	-12.51
	QPSK	2535.0	H	100	161	9.44	1 / 49	12.80	22.24	0.168	33.01	-10.77
	QPSK	2565.0	H	100	151	9.48	1 / 25	13.08	22.56	0.180	33.01	-10.45
	16-QAM	2565.0	H	100	151	9.48	1 / 25	11.99	21.48	0.140	33.01	-11.53
5 MHz	QPSK	2502.5	H	101	162	9.39	1 / 12	11.06	20.45	0.111	33.01	-12.56
	QPSK	2535.0	H	100	161	9.44	1 / 12	12.81	22.25	0.168	33.01	-10.76
	QPSK	2567.5	H	100	151	9.49	1 / 12	13.11	22.60	0.182	33.01	-10.41
	16-QAM	2567.5	H	100	151	9.49	1 / 12	12.05	21.54	0.142	33.01	-11.48
20 MHz	Opposite Pol.	2560.0	V	104	265	9.48	1 / 0	12.04	21.52	0.142	33.01	-11.49
	WCP	2560.0	H	101	155	9.48	1 / 0	12.10	21.58	0.144	33.01	-11.43

Table 7-45. EIRP Data (LTE Band 7 – Ant B)

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	2506.0	H	109	165	9.40	1 / 0	11.93	21.33	0.136	33.01	-11.68
	QPSK	2593.0	H	116	155	9.53	1 / 0	12.59	22.12	0.163	33.01	-10.90
	QPSK	2680.0	H	110	159	9.65	1 / 50	12.69	22.34	0.171	33.01	-10.67
	16-QAM	2680.0	H	110	159	9.65	1 / 50	11.90	21.55	0.143	33.01	-11.46
15 MHz	QPSK	2503.5	H	109	165	9.39	1 / 0	11.98	21.38	0.137	33.01	-11.63
	QPSK	2593.0	H	116	155	9.53	1 / 0	12.79	22.32	0.171	33.01	-10.69
	QPSK	2682.5	H	110	159	9.65	1 / 74	12.99	22.64	0.184	33.01	-10.37
	16-QAM	2593.0	H	116	155	9.53	1 / 0	11.51	21.04	0.127	33.01	-11.97
10 MHz	QPSK	2501.0	H	109	165	9.39	1 / 49	12.35	21.74	0.149	33.01	-11.27
	QPSK	2593.0	H	116	155	9.53	1 / 0	12.85	22.37	0.173	33.01	-10.64
	QPSK	2685.0	H	110	159	9.66	1 / 25	13.03	22.68	0.186	33.01	-10.33
	16-QAM	2685.0	H	110	159	9.66	1 / 25	11.51	21.16	0.131	33.01	-11.85
5 MHz	QPSK	2498.5	H	109	165	9.39	1 / 12	12.44	21.82	0.152	33.01	-11.19
	QPSK	2593.0	H	116	155	9.53	1 / 24	13.16	22.69	0.186	33.01	-10.33
	QPSK	2687.5	H	110	159	9.66	1 / 12	13.00	22.66	0.184	33.01	-10.35
	16-QAM	2593.0	H	116	155	9.53	1 / 24	12.38	21.90	0.155	33.01	-11.11
20 MHz	Opposite Pol.	2680.0	V	118	286	9.53	1 / 0	11.11	20.64	0.116	33.01	-12.38
	WCP	2680.0	H	110	158	9.53	1 / 12	12.63	22.16	0.164	33.01	-10.86

Table 7-46. EIRP Data (LTE Band 41(PC3)/38 – Ant B)

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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]
10 MHz	$\pi/2$ BPSK	2310.0	H	101	166	9.16	1 / 1	11.59	20.75	0.119	23.98	-3.23
	QPSK	2310.0	H	101	166	9.16	1 / 1	11.64	20.80	0.120	23.98	-3.18
	16-QAM	2310.0	H	101	166	9.16	1 / 1	10.67	19.83	0.096	23.98	-4.15
5 MHz	$\pi/2$ BPSK	2307.5	H	101	166	9.16	1 / 1	11.91	21.07	0.128	23.98	-2.91
	$\pi/2$ BPSK	2310.0	H	101	166	9.16	25 / 0	11.74	20.90	0.123	23.98	-3.08
	$\pi/2$ BPSK	2312.5	H	101	166	9.17	25 / 0	11.65	20.81	0.121	23.98	-3.16
	QPSK	2307.5	H	101	166	9.16	1 / 1	11.73	20.89	0.123	23.98	-3.09
	QPSK	2310.0	H	101	166	9.16	25 / 0	11.22	20.39	0.109	23.98	-3.59
	QPSK	2312.5	H	101	166	9.17	25 / 0	11.11	20.28	0.107	23.98	-3.70
	16-QAM	2307.5	H	101	166	9.16	1 / 1	10.72	19.88	0.097	23.98	-4.10
10 MHz	QPSK (CP-OFDM)	2310.0	H	100	161	9.16	1 / 26	10.40	19.56	0.090	23.98	-4.42
	Opposite Pol.	2310.0	V	100	315	9.16	1 / 26	11.27	20.43	0.110	23.98	-3.55

Table 7-47. EIRP Data (NR Band n30 – Ant A)

FCC ID: A3LSMS938U	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]
50 MHz	$\pi/2$ BPSK	2525.0	H	108	128	9.43	1 / 1	11.79	21.22	0.132	33.01	-11.79
	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 214	12.32	21.76	0.150	33.01	-11.25
	$\pi/2$ BPSK	2545.0	H	103	128	9.45	1 / 1	12.37	21.82	0.152	33.01	-11.19
	QPSK	2525.0	H	108	128	9.43	1 / 1	11.94	21.37	0.137	33.01	-11.64
	QPSK	2535.0	H	107	124	9.44	1 / 1	12.41	21.85	0.153	33.01	-11.16
	QPSK	2545.0	H	103	128	9.45	1 / 1	12.36	21.81	0.152	33.01	-11.20
40 MHz	16-QAM	2535.0	H	107	124	9.44	1 / 1	11.28	20.72	0.118	33.01	-12.29
	$\pi/2$ BPSK	2520.0	H	108	128	9.42	1 / 1	11.77	21.19	0.131	33.01	-11.82
	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 90	12.25	21.69	0.147	33.01	-11.32
	$\pi/2$ BPSK	2550.0	H	103	128	9.46	1 / 90	12.17	21.63	0.146	33.01	-11.38
	QPSK	2520.0	H	108	128	9.42	1 / 1	11.64	21.06	0.128	33.01	-11.95
	QPSK	2535.0	H	107	124	9.44	1 / 90	11.94	21.38	0.137	33.01	-11.63
35 MHz	QPSK	2550.0	H	103	128	9.46	1 / 90	11.99	21.45	0.140	33.01	-11.56
	16-QAM	2535.0	H	107	124	9.44	1 / 90	10.94	20.38	0.109	33.01	-12.63
	$\pi/2$ BPSK	2517.5	H	108	128	9.41	1 / 1	11.81	21.22	0.132	33.01	-11.79
	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 90	12.21	21.65	0.146	33.01	-11.36
	$\pi/2$ BPSK	2552.5	H	103	128	9.47	1 / 90	12.38	21.85	0.153	33.01	-11.16
	QPSK	2517.5	H	108	128	9.41	1 / 1	11.69	21.10	0.129	33.01	-11.91
30 MHz	QPSK	2535.0	H	107	124	9.44	1 / 90	12.21	21.65	0.146	33.01	-11.36
	QPSK	2552.5	H	103	128	9.47	1 / 90	12.25	21.72	0.149	33.01	-11.29
	16-QAM	2535.0	H	107	124	9.44	1 / 90	11.25	20.69	0.117	33.01	-12.32
	$\pi/2$ BPSK	2515.0	H	108	128	9.41	1 / 1	11.87	21.28	0.134	33.01	-11.73
	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 80	12.25	21.69	0.148	33.01	-11.32
	$\pi/2$ BPSK	2555.0	H	103	128	9.47	1 / 1	12.32	21.79	0.151	33.01	-11.22
25 MHz	QPSK	2515.0	H	108	128	9.41	1 / 1	11.89	21.30	0.135	33.01	-11.71
	QPSK	2535.0	H	107	124	9.44	1 / 80	12.19	21.63	0.146	33.01	-11.38
	QPSK	2555.0	H	103	128	9.47	1 / 1	12.23	21.70	0.148	33.01	-11.31
	16-QAM	2515.0	H	108	128	9.41	1 / 1	11.37	20.78	0.120	33.01	-12.23
	$\pi/2$ BPSK	2512.5	H	108	128	9.41	1 / 1	11.63	21.04	0.127	33.01	-11.97
	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 131	12.35	21.79	0.151	33.01	-11.22
20 MHz	$\pi/2$ BPSK	2557.5	H	103	128	9.47	1 / 1	12.40	21.87	0.154	33.01	-11.14
	QPSK	2512.5	H	108	128	9.41	1 / 1	11.74	21.15	0.130	33.01	-11.86
	QPSK	2535.0	H	107	124	9.44	1 / 131	12.31	21.75	0.149	33.01	-11.26
	QPSK	2557.5	H	103	128	9.47	1 / 1	12.47	21.94	0.156	33.01	-11.07
	16-QAM	2535.0	H	107	124	9.44	1 / 131	11.34	20.78	0.120	33.01	-12.23
	$\pi/2$ BPSK	2510.0	H	108	128	9.40	1 / 1	11.76	21.17	0.131	33.01	-11.85
15 MHz	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 104	12.18	21.62	0.145	33.01	-11.39
	$\pi/2$ BPSK	2560.0	H	103	128	9.48	1 / 1	12.16	21.64	0.146	33.01	-11.37
	QPSK	2510.0	H	108	128	9.40	1 / 1	11.88	21.28	0.134	33.01	-11.73
	QPSK	2535.0	H	107	124	9.44	1 / 104	12.29	21.73	0.149	33.01	-11.28
	QPSK	2560.0	H	103	128	9.48	1 / 1	12.03	21.51	0.142	33.01	-11.50
	16-QAM	2560.0	H	103	128	9.48	1 / 1	11.08	20.55	0.114	33.01	-12.46
10 MHz	$\pi/2$ BPSK	2507.5	H	108	128	9.40	1 / 39	11.68	21.08	0.128	33.01	-11.93
	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 77	12.35	21.79	0.151	33.01	-11.22
	$\pi/2$ BPSK	2562.5	H	103	128	9.48	1 / 1	12.07	21.55	0.143	33.01	-11.46
	QPSK	2507.5	H	108	128	9.40	1 / 39	11.64	21.04	0.127	33.01	-11.97
	QPSK	2535.0	H	107	124	9.44	1 / 77	12.20	21.64	0.146	33.01	-11.37
	QPSK	2562.5	H	103	128	9.48	1 / 1	12.27	21.75	0.150	33.01	-11.26
5 MHz	16-QAM	2562.5	H	103	128	9.48	1 / 1	11.10	20.58	0.114	33.01	-12.43
	$\pi/2$ BPSK	2505.0	H	108	128	9.40	1 / 26	11.78	21.18	0.131	33.01	-11.83
	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 26	12.30	21.74	0.149	33.01	-11.27
	$\pi/2$ BPSK	2565.0	H	103	128	9.48	1 / 50	12.38	21.87	0.154	33.01	-11.14
	QPSK	2505.0	H	108	128	9.40	1 / 26	11.70	21.09	0.129	33.01	-11.92
	QPSK	2535.0	H	107	124	9.44	1 / 26	12.27	21.71	0.148	33.01	-11.30
50 MHz	QPSK	2565.0	H	103	128	9.48	1 / 50	11.95	21.44	0.139	33.01	-11.57
	16-QAM	2535.0	H	107	124	9.44	1 / 26	11.19	20.63	0.116	33.01	-12.38
	$\pi/2$ BPSK	2502.5	H	108	128	9.39	1 / 1	11.78	21.17	0.131	33.01	-11.84
	$\pi/2$ BPSK	2535.0	H	107	124	9.44	1 / 23	12.38	21.82	0.152	33.01	-11.19
	$\pi/2$ BPSK	2567.5	H	103	128	9.49	1 / 1	12.31	21.80	0.151	33.01	-11.21
	QPSK	2502.5	H	108	128	9.39	1 / 1	11.54	20.93	0.124	33.01	-12.08
50 MHz	QPSK	2535.0	H	107	124	9.44	1 / 23	12.11	21.55	0.143	33.01	-11.46
	QPSK	2567.5	H	103	128	9.49	1 / 1	11.96	21.44	0.139	33.01	-11.57
	16-QAM	2535.0	H	107	124	9.44	1 / 23	10.93	20.37	0.109	33.01	-12.64
50 MHz	QPSK (CP-OFDM)	2520.0	H	105	122	9.44	1 / 23	11.32	20.76	0.119	33.01	-12.25
	QPSK (Opposite Pol.)	2520.0	V	102	313	9.44	1 / 1	11.80	21.24	0.133	33.01	-11.77
	QPSK (WCP)	2535.0	H	104	123	9.44	1 / 1	11.83	21.27	0.134	33.01	-11.74

Table 7-48. EIRP Data (NR Band n7 – Ant B)

FCC ID: A3LSMS938U	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]
100 MHz	$\pi/2$ BPSK	2546.01	H	124	326	9.46	1 / 1	14.38	23.84	0.242	33.01	-9.17
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.53	24.06	0.254	33.01	-8.96
	$\pi/2$ BPSK	2640.00	H	120	309	9.59	1 / 1	12.91	22.50	0.178	33.01	-10.51
	QPSK	2546.01	H	124	326	9.46	1 / 136	13.59	23.05	0.202	33.01	-9.96
	QPSK	2592.99	H	125	311	9.53	1 / 1	13.80	23.33	0.215	33.01	-9.69
	QPSK	2640.00	H	120	309	9.59	1 / 1	12.27	21.86	0.154	33.01	-11.15
90 MHz	16-QAM	2592.99	H	125	311	9.53	1 / 1	13.09	22.62	0.183	33.01	-10.40
	$\pi/2$ BPSK	2541.00	H	124	326	9.45	1 / 243	14.87	24.32	0.271	33.01	-8.69
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 122	14.39	23.91	0.246	33.01	-9.10
	$\pi/2$ BPSK	2644.98	H	120	309	9.60	1 / 1	12.90	22.50	0.178	33.01	-10.51
	QPSK	2541.00	H	124	326	9.45	1 / 243	14.13	23.58	0.228	33.01	-9.43
	QPSK	2592.99	H	125	311	9.53	1 / 122	13.55	23.08	0.203	33.01	-9.93
80 MHz	QPSK	2644.98	H	120	309	9.60	1 / 1	11.93	21.52	0.142	33.01	-11.49
	16-QAM	2541.00	H	124	326	9.45	1 / 243	13.17	22.61	0.183	33.01	-10.40
	$\pi/2$ BPSK	2536.02	H	124	326	9.44	1 / 215	14.91	24.35	0.272	33.01	-8.66
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.75	24.28	0.268	33.01	-8.73
	$\pi/2$ BPSK	2649.99	H	120	309	9.61	216 / 0	12.86	22.47	0.177	33.01	-10.54
	QPSK	2536.02	H	124	326	9.44	1 / 215	14.40	23.84	0.242	33.01	-9.17
70 MHz	QPSK	2592.99	H	125	311	9.53	1 / 1	13.94	23.47	0.222	33.01	-9.54
	QPSK	2649.99	H	120	309	9.61	1 / 108	11.67	21.28	0.134	33.01	-11.73
	16-QAM	2536.02	H	124	326	9.44	1 / 215	13.30	22.74	0.188	33.01	-10.27
	$\pi/2$ BPSK	2531.01	H	124	326	9.43	1 / 187	14.54	23.98	0.250	33.01	-9.03
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 94	14.45	23.98	0.250	33.01	-9.03
	$\pi/2$ BPSK	2655.00	H	120	309	9.61	1 / 94	12.92	22.54	0.179	33.01	-10.47
60 MHz	QPSK	2531.01	H	124	326	9.43	1 / 187	14.18	23.61	0.230	33.01	-9.40
	QPSK	2592.99	H	125	311	9.53	1 / 94	13.61	23.13	0.206	33.01	-9.88
	QPSK	2655.00	H	120	309	9.61	1 / 94	11.43	21.04	0.127	33.01	-11.97
	16-QAM	2531.01	H	124	326	9.43	1 / 187	13.24	22.68	0.185	33.01	-10.33
	$\pi/2$ BPSK	2526.00	H	124	326	9.43	1 / 160	14.59	24.02	0.252	33.01	-8.99
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 81	14.53	24.06	0.255	33.01	-8.95
50 MHz	$\pi/2$ BPSK	2659.98	H	120	309	9.62	1 / 81	12.52	22.14	0.164	33.01	-10.87
	QPSK	2526.00	H	124	326	9.43	1 / 160	13.87	23.30	0.214	33.01	-9.71
	QPSK	2592.99	H	125	311	9.53	1 / 81	13.49	23.01	0.200	33.01	-10.00
	QPSK	2659.98	H	120	309	9.62	1 / 81	11.74	21.37	0.137	33.01	-11.65
	16-QAM	2526.00	H	124	326	9.43	1 / 160	12.76	22.18	0.165	33.01	-10.83
	$\pi/2$ BPSK	2521.02	H	124	326	9.42	1 / 131	14.32	23.74	0.237	33.01	-9.27
45 MHz	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.66	24.18	0.262	33.01	-8.83
	$\pi/2$ BPSK	2664.99	H	120	309	9.63	1 / 66	12.50	22.13	0.163	33.01	-10.88
	QPSK	2521.02	H	124	326	9.42	1 / 131	13.57	22.99	0.199	33.01	-10.02
	QPSK	2592.99	H	125	311	9.53	1 / 1	14.12	23.65	0.232	33.01	-9.36
	QPSK	2664.99	H	120	309	9.63	1 / 66	11.78	21.41	0.138	33.01	-11.60
	16-QAM	2592.99	H	125	311	9.53	1 / 1	13.26	22.79	0.190	33.01	-10.22
40 MHz	$\pi/2$ BPSK	2518.50	H	124	326	9.41	1 / 104	14.07	23.48	0.223	33.01	-9.53
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 53	14.70	24.22	0.265	33.01	-8.79
	$\pi/2$ BPSK	2667.50	H	120	309	9.63	1 / 53	13.07	22.71	0.187	33.01	-10.30
	QPSK	2518.50	H	124	326	9.41	1 / 104	13.13	22.55	0.180	33.01	-10.46
	QPSK	2592.99	H	125	311	9.53	1 / 53	13.63	23.16	0.207	33.01	-9.85
	QPSK	2667.50	H	120	309	9.63	1 / 53	12.15	21.79	0.151	33.01	-11.22
35 MHz	16-QAM	2592.99	H	125	311	9.53	1 / 53	12.69	22.21	0.167	33.01	-10.80
	$\pi/2$ BPSK	2516.01	H	124	326	9.41	1 / 104	14.04	23.45	0.221	33.01	-9.56
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 53	14.66	24.19	0.262	33.01	-8.82
	$\pi/2$ BPSK	2670.00	H	120	309	9.63	1 / 53	12.71	22.35	0.172	33.01	-10.66
	QPSK	2516.01	H	124	326	9.41	1 / 104	12.88	22.29	0.170	33.01	-10.72
	QPSK	2592.99	H	125	311	9.53	1 / 53	13.67	23.20	0.209	33.01	-9.81
30 MHz	QPSK	2670.00	H	120	309	9.63	1 / 53	11.91	21.54	0.143	33.01	-11.47
	16-QAM	2592.99	H	125	311	9.53	1 / 53	12.74	22.27	0.169	33.01	-10.74
	$\pi/2$ BPSK	2513.52	H	124	326	9.40	1 / 39	14.44	23.85	0.243	33.01	-9.16
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.52	24.05	0.254	33.01	-8.96
	$\pi/2$ BPSK	2672.49	H	120	309	9.64	1 / 1	12.79	22.44	0.175	33.01	-10.57
	QPSK	2513.52	H	124	326	9.40	1 / 39	13.49	22.90	0.195	33.01	-10.11
25 MHz	QPSK	2592.99	H	125	311	9.53	1 / 39	13.91	23.44	0.221	33.01	-9.57
	QPSK	2672.49	H	120	309	9.64	1 / 1	11.77	21.41	0.138	33.01	-11.60
20 MHz	16-QAM	2592.99	H	125	311	9.53	1 / 39	12.75	22.28	0.169	33.01	-10.73

Table 7-49. EIRP Data (NR Band n41 – Ant F - Default)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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30 MHz	$\pi/2$ BPSK	2511.00	H	124	326	9.40	1 / 39	14.21	23.61	0.230	33.01	-9.40
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.83	24.35	0.273	33.01	-8.66
	$\pi/2$ BPSK	2674.98	H	120	309	9.64	1 / 1	13.27	22.91	0.196	33.01	-10.10
	QPSK	2511.00	H	124	326	9.40	1 / 39	12.70	22.10	0.162	33.01	-10.91
	QPSK	2592.99	H	125	311	9.53	1 / 1	14.24	23.76	0.238	33.01	-9.25
	QPSK	2674.98	H	120	309	9.64	1 / 1	12.15	21.79	0.151	33.01	-11.22
25 MHz	16-QAM	2592.99	H	125	311	9.53	1 / 1	13.40	22.93	0.196	33.01	-10.08
	$\pi/2$ BPSK	2508.51	H	124	326	9.40	1 / 25	14.41	23.80	0.240	33.01	-9.21
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.85	24.37	0.274	33.01	-8.64
	$\pi/2$ BPSK	2677.50	H	120	309	9.65	1 / 1	13.08	22.73	0.187	33.01	-10.29
	QPSK	2508.51	H	124	326	9.40	1 / 25	13.25	22.65	0.184	33.01	-10.36
	QPSK	2592.99	H	125	311	9.53	1 / 1	14.26	23.78	0.239	33.01	-9.23
20 MHz	QPSK	2677.50	H	120	309	9.65	1 / 1	11.98	21.63	0.146	33.01	-11.38
	16-QAM	2592.99	H	125	311	9.53	1 / 1	13.43	22.96	0.198	33.01	-10.05
	$\pi/2$ BPSK	2506.02	H	124	326	9.40	1 / 25	14.06	23.46	0.222	33.01	-9.55
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.85	24.37	0.274	33.01	-8.64
	$\pi/2$ BPSK	2679.99	H	120	309	9.65	1 / 1	12.51	22.16	0.165	33.01	-10.85
	QPSK	2506.02	H	124	326	9.40	1 / 25	13.07	22.46	0.176	33.01	-10.55
15 MHz	QPSK	2592.99	H	125	311	9.53	1 / 1	14.42	23.94	0.248	33.01	-9.07
	QPSK	2679.99	H	120	309	9.65	1 / 1	11.69	21.34	0.136	33.01	-11.67
	16-QAM	2592.99	H	125	311	9.53	1 / 1	13.28	22.80	0.191	33.01	-10.21
	$\pi/2$ BPSK	2503.50	H	124	326	9.40	1 / 49	14.31	23.71	0.235	33.01	-9.30
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.78	24.30	0.269	33.01	-8.71
	$\pi/2$ BPSK	2682.50	H	120	309	9.65	1 / 1	12.79	22.44	0.175	33.01	-10.57
10 MHz	QPSK	2503.50	H	124	326	9.40	1 / 18	13.09	22.49	0.177	33.01	-10.52
	QPSK	2592.99	H	125	311	9.53	1 / 1	13.68	23.20	0.209	33.01	-9.81
	QPSK	2682.50	H	120	309	9.65	1 / 18	11.76	21.41	0.138	33.01	-11.60
	16-QAM	2592.99	H	125	311	9.53	1 / 1	12.85	22.38	0.173	33.01	-10.63
	$\pi/2$ BPSK	2501.00	H	124	326	9.40	1 / 49	14.01	23.41	0.219	33.01	-9.60
	$\pi/2$ BPSK	2592.99	H	125	311	9.53	1 / 1	14.66	24.19	0.262	33.01	-8.82
100 MHz	$\pi/2$ BPSK	2685.00	H	120	309	9.65	1 / 1	12.47	22.12	0.163	33.01	-10.89
	QPSK	2501.00	H	124	326	9.40	1 / 49	12.61	22.01	0.159	33.01	-11.00
	QPSK	2592.99	H	125	311	9.53	1 / 25	13.57	23.10	0.204	33.01	-9.91
	QPSK	2685.00	H	120	309	9.65	1 / 1	11.12	20.77	0.119	33.01	-12.24
	16-QAM	2592.99	H	125	311	9.53	1 / 25	12.75	22.27	0.169	33.01	-10.74
	QPSK (CP-OFDM)	2592.99	H	122	313	9.53	1 / 1	12.58	22.11	0.162	33.01	-10.91
100 MHz	QPSK (Opposite Pol.)	2592.99	V	152	32	9.53	1 / 1	12.51	22.04	0.160	33.01	-10.98
	QPSK (WCP)	2592.99	H	122	312	9.53	1 / 1	14.31	23.84	0.242	33.01	-9.18

Table 7-50. EIRP Data (NR Band n41 – Ant F - Default)

FCC ID: A3LSMS938U	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]
100 MHz	$\pi/2$ BPSK	2546.01	H	104	163	9.46	270 / 0	13.84	23.30	0.214	33.01	-9.71
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	270 / 0	13.98	23.51	0.224	33.01	-9.51
	$\pi/2$ BPSK	2640.00	H	103	177	9.59	1 / 1	14.95	24.54	0.285	33.01	-8.47
	QPSK	2546.01	H	104	163	9.46	270 / 0	13.85	23.31	0.214	33.01	-9.70
	QPSK	2592.99	H	104	162	9.53	1 / 1	13.93	23.46	0.222	33.01	-9.56
	QPSK	2640.00	H	103	177	9.59	1 / 1	15.02	24.61	0.289	33.01	-8.40
90 MHz	16-QAM	2640.00	H	103	177	9.59	1 / 1	14.33	23.92	0.247	33.01	-9.09
	$\pi/2$ BPSK	2541.00	H	104	163	9.45	243 / 0	13.76	23.21	0.209	33.01	-9.80
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	243 / 0	13.95	23.47	0.222	33.01	-9.54
	$\pi/2$ BPSK	2644.98	H	103	177	9.60	243 / 0	14.94	24.54	0.284	33.01	-8.47
	QPSK	2541.00	H	104	163	9.45	1 / 122	14.05	23.50	0.224	33.01	-9.51
	QPSK	2592.99	H	104	162	9.53	1 / 1	13.84	23.37	0.217	33.01	-9.64
80 MHz	QPSK	2644.98	H	103	177	9.60	243 / 0	14.42	24.02	0.252	33.01	-8.99
	16-QAM	2644.98	H	103	177	9.60	243 / 0	14.00	23.60	0.229	33.01	-9.41
	$\pi/2$ BPSK	2536.02	H	104	163	9.44	216 / 0	13.95	23.39	0.218	33.01	-9.62
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	216 / 0	14.05	23.58	0.228	33.01	-9.43
	$\pi/2$ BPSK	2649.99	H	103	177	9.61	216 / 0	15.09	24.69	0.295	33.01	-8.32
	QPSK	2536.02	H	104	163	9.44	216 / 0	13.76	23.20	0.209	33.01	-9.81
70 MHz	QPSK	2592.99	H	104	162	9.53	1 / 1	14.00	23.52	0.225	33.01	-9.49
	QPSK	2649.99	H	103	177	9.61	216 / 0	14.72	24.33	0.271	33.01	-8.68
	16-QAM	2649.99	H	103	177	9.61	216 / 0	14.06	23.66	0.232	33.01	-9.35
	$\pi/2$ BPSK	2531.01	H	104	163	9.43	180 / 0	13.79	23.22	0.210	33.01	-9.79
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	180 / 0	14.01	23.53	0.225	33.01	-9.48
	$\pi/2$ BPSK	2655.00	H	103	177	9.61	180 / 0	14.71	24.33	0.271	33.01	-8.68
60 MHz	QPSK	2531.01	H	104	163	9.43	180 / 0	13.77	23.20	0.209	33.01	-9.81
	QPSK	2592.99	H	104	162	9.53	180 / 0	13.68	23.20	0.209	33.01	-9.81
	QPSK	2655.00	H	103	177	9.61	180 / 0	14.89	24.50	0.282	33.01	-8.51
	16-QAM	2655.00	H	103	177	9.61	180 / 0	14.24	23.85	0.243	33.01	-9.16
	$\pi/2$ BPSK	2526.00	H	104	163	9.43	1 / 160	14.11	23.53	0.226	33.01	-9.48
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	162 / 0	14.00	23.53	0.225	33.01	-9.48
50 MHz	$\pi/2$ BPSK	2659.98	H	103	177	9.62	162 / 0	14.63	24.25	0.266	33.01	-8.76
	QPSK	2526.00	H	104	163	9.43	1 / 160	13.77	23.20	0.209	33.01	-9.81
	QPSK	2592.99	H	104	162	9.53	162 / 0	13.54	23.06	0.202	33.01	-9.95
	QPSK	2659.98	H	103	177	9.62	162 / 0	13.93	23.55	0.226	33.01	-9.46
	16-QAM	2659.98	H	103	177	9.62	162 / 0	13.27	22.89	0.194	33.01	-10.12
	$\pi/2$ BPSK	2521.02	H	104	163	9.42	128 / 0	13.68	23.10	0.204	33.01	-9.91
45 MHz	$\pi/2$ BPSK	2592.99	H	104	162	9.53	128 / 0	14.21	23.74	0.236	33.01	-9.27
	$\pi/2$ BPSK	2664.99	H	103	177	9.63	128 / 0	14.74	24.37	0.274	33.01	-8.64
	QPSK	2521.02	H	104	163	9.42	1 / 131	13.92	23.34	0.216	33.01	-9.67
	QPSK	2592.99	H	104	162	9.53	128 / 0	13.72	23.25	0.211	33.01	-9.76
	QPSK	2664.99	H	103	177	9.63	128 / 0	14.60	24.22	0.264	33.01	-8.79
	16-QAM	2664.99	H	103	177	9.63	128 / 0	14.10	23.72	0.236	33.01	-9.29
40 MHz	$\pi/2$ BPSK	2518.50	H	104	163	9.41	1 / 53	13.96	23.37	0.217	33.01	-9.64
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	1 / 104	14.35	23.88	0.244	33.01	-9.13
	$\pi/2$ BPSK	2667.50	H	103	177	9.63	1 / 53	14.85	24.49	0.281	33.01	-8.52
	QPSK	2518.50	H	104	163	9.41	1 / 53	14.25	23.67	0.233	33.01	-9.34
	QPSK	2592.99	H	104	162	9.53	1 / 104	13.84	23.36	0.217	33.01	-9.65
	QPSK	2667.50	H	103	177	9.63	100 / 0	14.81	24.45	0.278	33.01	-8.56
35 MHz	16-QAM	2667.50	H	103	177	9.63	100 / 0	14.58	24.21	0.264	33.01	-8.80
	$\pi/2$ BPSK	2516.01	H	104	163	9.41	100 / 0	13.97	23.38	0.218	33.01	-9.63
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	100 / 0	14.45	23.98	0.250	33.01	-9.03
	$\pi/2$ BPSK	2670.00	H	103	177	9.63	100 / 0	15.35	24.98	0.315	33.01	-8.03
	QPSK	2516.01	H	104	163	9.41	1 / 104	14.08	23.49	0.223	33.01	-9.52
	QPSK	2592.99	H	104	162	9.53	100 / 0	13.95	23.48	0.223	33.01	-9.53
30 MHz	QPSK	2670.00	H	103	177	9.63	100 / 0	15.01	24.64	0.291	33.01	-8.37
	16-QAM	2670.00	H	103	177	9.63	100 / 0	14.33	23.97	0.249	33.01	-9.04
	$\pi/2$ BPSK	2513.52	H	104	163	9.40	1 / 39	13.67	23.07	0.203	33.01	-9.94
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	1 / 76	13.98	23.51	0.224	33.01	-9.50
	$\pi/2$ BPSK	2672.49	H	103	177	9.64	1 / 1	14.93	24.57	0.286	33.01	-8.44
	QPSK	2513.52	H	104	163	9.40	1 / 39	13.86	23.26	0.212	33.01	-9.75
25 MHz	QPSK	2592.99	H	104	162	9.53	1 / 76	13.62	23.14	0.206	33.01	-9.87
	QPSK	2672.49	H	103	177	9.64	1 / 1	14.71	24.36	0.273	33.01	-8.65
20 MHz	16-QAM	2672.49	H	103	177	9.64	1 / 1	14.14	23.78	0.239	33.01	-9.23

Table 7-51. EIRP Data (NR Band n41 – Ant B - Switching)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 225 of 281

30 MHz	$\pi/2$ BPSK	2511.00	H	104	163	9.40	75 / 0	13.72	23.13	0.205	33.01	-9.88
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	75 / 0	14.26	23.78	0.239	33.01	-9.23
	$\pi/2$ BPSK	2674.98	H	103	177	9.64	75 / 0	15.19	24.83	0.304	33.01	-8.18
	QPSK	2511.00	H	104	163	9.40	75 / 0	13.51	22.91	0.195	33.01	-10.10
	QPSK	2592.99	H	104	162	9.53	75 / 0	14.02	23.54	0.226	33.01	-9.47
	QPSK	2674.98	H	103	177	9.64	75 / 0	15.49	25.14	0.326	33.01	-7.87
25 MHz	16-QAM	2674.98	H	103	177	9.64	75 / 0	14.00	23.64	0.231	33.01	-9.37
	$\pi/2$ BPSK	2508.51	H	104	163	9.40	1 / 25	13.74	23.13	0.206	33.01	-9.88
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	1 / 49	14.42	23.94	0.248	33.01	-9.07
	$\pi/2$ BPSK	2677.50	H	103	177	9.65	1 / 25	15.22	24.86	0.307	33.01	-8.15
	QPSK	2508.51	H	104	163	9.40	1 / 25	13.77	23.17	0.207	33.01	-9.84
	QPSK	2592.99	H	104	162	9.53	1 / 49	13.79	23.32	0.215	33.01	-9.69
20 MHz	QPSK	2677.50	H	103	177	9.65	1 / 25	14.76	24.41	0.276	33.01	-8.60
	16-QAM	2677.50	H	103	177	9.65	1 / 25	14.11	23.76	0.238	33.01	-9.25
	$\pi/2$ BPSK	2506.02	H	104	163	9.40	50 / 0	13.70	23.10	0.204	33.01	-9.91
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	50 / 0	14.27	23.80	0.240	33.01	-9.21
	$\pi/2$ BPSK	2679.99	H	103	177	9.65	50 / 0	15.21	24.85	0.306	33.01	-8.16
	QPSK	2506.02	H	104	163	9.40	50 / 0	13.69	23.09	0.204	33.01	-9.92
15 MHz	QPSK	2592.99	H	104	162	9.53	50 / 0	13.75	23.28	0.213	33.01	-9.73
	QPSK	2679.99	H	103	177	9.65	50 / 0	14.77	24.42	0.277	33.01	-8.59
	16-QAM	2679.99	H	103	177	9.65	50 / 0	14.23	23.88	0.244	33.01	-9.13
	$\pi/2$ BPSK	2503.50	H	104	163	9.40	50 / 0	13.69	23.09	0.204	33.01	-9.92
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	50 / 0	14.36	23.88	0.245	33.01	-9.13
	$\pi/2$ BPSK	2682.50	H	103	177	9.65	50 / 0	15.12	24.77	0.300	33.01	-8.24
10 MHz	QPSK	2503.50	H	104	163	9.40	1 / 18	14.07	23.46	0.222	33.01	-9.55
	QPSK	2592.99	H	104	162	9.53	50 / 0	14.08	23.61	0.230	33.01	-9.40
	QPSK	2682.50	H	103	177	9.65	1 / 18	14.81	24.46	0.279	33.01	-8.55
	16-QAM	2682.50	H	103	177	9.65	50 / 0	14.27	23.92	0.247	33.01	-9.09
	$\pi/2$ BPSK	2501.00	H	104	163	9.40	50 / 0	13.80	23.20	0.209	33.01	-9.81
	$\pi/2$ BPSK	2592.99	H	104	162	9.53	1 / 1	14.39	23.91	0.246	33.01	-9.10
100 MHz	$\pi/2$ BPSK	2685.00	H	103	177	9.65	50 / 0	14.96	24.61	0.289	33.01	-8.40
	QPSK	2501.00	H	104	163	9.40	1 / 1	13.71	23.10	0.204	33.01	-9.91
	QPSK	2592.99	H	104	162	9.53	50 / 0	14.01	23.54	0.226	33.01	-9.47
	QPSK	2685.00	H	103	177	9.65	1 / 1	14.68	24.33	0.271	33.01	-8.68
	16-QAM	2685.00	H	103	177	9.65	50 / 0	14.32	23.96	0.249	33.01	-9.05
	QPSK (CP-OFDM)	2640.00	H	103	174	9.53	1 / 1	13.90	23.43	0.220	33.01	-9.59
100 MHz	QPSK (Opposite Pol.)	2640.00	V	123	281	9.53	1 / 1	12.59	22.12	0.163	33.01	-10.90
	QPSK (WCP)	2640.00	H	105	171	9.46	1/1	12.72	22.18	0.165	33.01	-10.83

Table 7-52. EIRP Data (NR Band n41 – Ant B - Switching)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 226 of 281

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	QPSK	2310.0	H	X	101	326	9.16	1 / 49	12.97	22.13	0.163	23.98	-1.85
	16-QAM	2310.0	H	X	101	326	9.16	1 / 49	12.17	21.33	0.136	23.98	-2.65
5 MHz	QPSK	2307.5	H	X	101	326	9.16	1 / 12	13.00	22.16	0.164	23.98	-1.82
	QPSK	2310.0	H	X	101	326	9.16	1 / 12	12.98	22.14	0.164	23.98	-1.84
	QPSK	2312.5	H	X	101	326	9.17	1 / 12	12.96	22.12	0.163	23.98	-1.86
	16-QAM	2310.0	H	X	101	326	9.16	1 / 12	12.24	21.40	0.138	23.98	-2.58
10 MHz	Opposite Pol.	2310.0	V	Y	151	40	9.16	1 / 0	11.67	20.83	0.121	23.98	-3.15
	WCP	2310.0	H	X	103	325	9.16	1 / 0	12.77	21.93	0.156	23.98	-2.05

Table 7-53. EIRP Data (LTE Band 30 – Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	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	2510.0	H	X	101	316	9.40	1 / 0	13.78	23.18	0.208	33.01	-9.83
	QPSK	2535.0	H	X	100	313	9.44	1 / 0	13.03	22.47	0.177	33.01	-10.54
	QPSK	2560.0	H	X	100	314	9.48	1 / 0	12.14	21.62	0.145	33.01	-11.39
	16-QAM	2510.0	H	X	101	316	9.40	1 / 0	12.81	22.21	0.166	33.01	-10.80
15 MHz	QPSK	2507.5	H	X	101	316	9.40	1 / 74	13.95	23.35	0.216	33.01	-9.67
	QPSK	2535.0	H	X	100	313	9.44	1 / 74	13.31	22.75	0.188	33.01	-10.26
	QPSK	2562.5	H	X	100	314	9.48	1 / 74	11.95	21.43	0.139	33.01	-11.58
	16-QAM	2507.5	H	X	101	316	9.40	1 / 74	12.94	22.34	0.172	33.01	-10.67
10 MHz	QPSK	2505.0	H	X	101	316	9.40	1 / 49	13.93	23.32	0.215	33.01	-9.69
	QPSK	2535.0	H	X	100	313	9.44	1 / 25	13.33	22.77	0.189	33.01	-10.24
	QPSK	2565.0	H	X	100	314	9.48	1 / 25	12.07	21.56	0.143	33.01	-11.45
	16-QAM	2505.0	H	X	101	316	9.40	1 / 25	12.91	22.31	0.170	33.01	-10.70
5 MHz	QPSK	2502.5	H	X	101	316	9.39	1 / 0	14.08	23.47	0.222	33.01	-9.54
	QPSK	2535.0	H	X	100	313	9.44	1 / 12	13.36	22.80	0.191	33.01	-10.21
	QPSK	2567.5	H	X	100	314	9.49	1 / 24	12.13	21.62	0.145	33.01	-11.39
	16-QAM	2502.5	H	X	101	316	9.39	1 / 0	13.29	22.68	0.185	33.01	-10.33
20 MHz	Opposite Pol.	2510.0	V	Y	134	25	9.44	1 / 0	11.75	21.19	0.132	33.01	-11.82
	WCP	2510.0	H	X	100	313	9.44	1 / 0	12.29	21.73	0.149	33.01	-11.28

Table 7-54. EIRP Data (LTE Band 7 – Ant F)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	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	2506.0	H	X	106	328	9.40	1 / 0	13.63	23.03	0.201	33.01	-9.98
	QPSK	2593.0	H	X	104	317	9.53	1 / 0	12.57	22.10	0.162	33.01	-10.92
	QPSK	2680.0	H	X	112	318	9.65	1 / 50	12.03	21.68	0.147	33.01	-11.33
	16-QAM	2506.0	H	X	106	328	9.40	1 / 0	12.41	21.81	0.152	33.01	-11.20
15 MHz	QPSK	2503.5	H	X	106	328	9.39	1 / 74	13.68	23.07	0.203	33.01	-9.94
	QPSK	2593.0	H	X	104	317	9.53	1 / 74	12.57	22.10	0.162	33.01	-10.91
	QPSK	2682.5	H	X	112	318	9.65	1 / 74	12.11	21.77	0.150	33.01	-11.24
	16-QAM	2503.5	H	X	106	328	9.39	1 / 74	12.17	21.56	0.143	33.01	-11.45
10 MHz	QPSK	2501.0	H	X	106	328	9.39	1 / 25	13.65	23.04	0.201	33.01	-9.97
	QPSK	2593.0	H	X	104	317	9.53	1 / 25	12.52	22.04	0.160	33.01	-10.97
	QPSK	2685.0	H	X	112	318	9.66	1 / 25	12.12	21.77	0.150	33.01	-11.24
	16-QAM	2501.0	H	X	106	328	9.39	1 / 25	12.16	21.55	0.143	33.01	-11.46
5 MHz	QPSK	2498.5	H	X	106	328	9.39	1 / 12	13.62	23.01	0.200	33.01	-10.00
	QPSK	2593.0	H	X	104	317	9.53	1 / 0	12.58	22.10	0.162	33.01	-10.91
	QPSK	2687.5	H	X	112	318	9.66	1 / 12	12.07	21.73	0.149	33.01	-11.28
	16-QAM	2498.5	H	X	106	328	9.39	1 / 12	11.96	21.34	0.136	33.01	-11.67
20 MHz	Opposite Pol.	2506.0	V	Z	162	323	9.40	1 / 0	12.19	21.59	0.144	33.01	-11.42
	WCP	2506.0	H	X	110	328	9.40	1 / 0	13.28	22.68	0.185	33.01	-10.33

Table 7-55. EIRP Data (LTE Band 41(PC3)/38 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 227 of 281

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
10 MHz	$\pi/2$ BPSK	2310.0	H	X	100	326	9.16	1 / 50	12.55	21.71	0.148	23.98	-2.27
	QPSK	2310.0	H	X	100	326	9.16	1 / 50	12.60	21.76	0.150	23.98	-2.22
	16-QAM	2310.0	H	X	100	326	9.16	1 / 50	11.48	20.64	0.116	23.98	-3.34
5 MHz	$\pi/2$ BPSK	2307.5	H	X	100	326	9.16	1 / 1	12.53	21.69	0.148	23.98	-2.29
	$\pi/2$ BPSK	2310.0	H	X	100	326	9.16	1 / 12	12.82	21.99	0.158	23.98	-1.99
	$\pi/2$ BPSK	2312.5	H	X	100	326	9.17	1 / 12	12.64	21.80	0.151	23.98	-2.18
	QPSK	2307.5	H	X	100	326	9.16	1 / 1	12.76	21.92	0.156	23.98	-2.06
	QPSK	2310.0	H	X	100	326	9.16	1 / 1	12.81	21.97	0.157	23.98	-2.01
	QPSK	2312.5	H	X	100	326	9.17	1 / 12	12.72	21.88	0.154	23.98	-2.10
	16-QAM	2307.5	H	X	100	326	9.16	1 / 1	11.95	21.11	0.129	23.98	-2.87
	QPSK (CP-OFDM)	2310.0	H	X	100	325	9.16	1 / 50	11.06	20.22	0.105	23.98	-3.76
10 MHz	Opposite Pol.	2310.0	V	Y	186	40	9.16	1 / 50	10.66	19.82	0.096	23.98	-4.16
	WCP	2310.0	H	X	102	326	9.16	1 / 50	12.51	21.67	0.147	23.98	-2.31

Table 7-56. EIRP Data (NR Band n30 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 228 of 281

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
50 MHz	$\pi/2$ BPSK	2525.0	H	X	100	315	9.43	1 / 1	13.43	22.86	0.193	33.01	-10.15
	$\pi/2$ BPSK	2535.0	H	X	102	315	9.44	1 / 1	13.26	22.70	0.186	33.01	-10.31
	$\pi/2$ BPSK	2545.0	H	X	101	316	9.45	1 / 1	13.21	22.66	0.185	33.01	-10.35
	QPSK	2525.0	H	X	100	315	9.43	1 / 1	12.96	22.39	0.173	33.01	-10.62
	QPSK	2535.0	H	X	102	315	9.44	1 / 108	13.19	22.63	0.183	33.01	-10.38
	QPSK	2545.0	H	X	101	316	9.45	1 / 108	12.74	22.19	0.166	33.01	-10.82
40 MHz	16-QAM	2525.0	H	X	100	315	9.43	1 / 1	12.05	21.48	0.140	33.01	-11.53
	$\pi/2$ BPSK	2520.0	H	X	100	319	9.42	1 / 108	13.35	22.77	0.189	33.01	-10.24
	$\pi/2$ BPSK	2535.0	H	X	100	315	9.44	216 / 0	12.57	22.01	0.159	33.01	-11.00
	$\pi/2$ BPSK	2550.0	H	X	101	318	9.46	1 / 1	12.92	22.38	0.173	33.01	-10.63
	QPSK	2520.0	H	X	100	319	9.42	1 / 1	13.16	22.58	0.181	33.01	-10.43
	QPSK	2535.0	H	X	100	315	9.44	216 / 0	12.56	22.00	0.158	33.01	-11.01
35 MHz	QPSK	2550.0	H	X	101	318	9.46	1 / 1	12.95	22.41	0.174	33.01	-10.60
	16-QAM	2550.0	H	X	101	318	9.46	1 / 1	12.86	22.32	0.171	33.01	-10.69
	$\pi/2$ BPSK	2517.5	H	X	100	315	9.41	1 / 90	13.35	22.76	0.189	33.01	-10.25
	$\pi/2$ BPSK	2535.0	H	X	102	315	9.44	1 / 1	13.05	22.49	0.178	33.01	-10.52
	$\pi/2$ BPSK	2552.5	H	X	101	316	9.47	1 / 90	13.17	22.64	0.184	33.01	-10.37
	QPSK	2517.5	H	X	100	315	9.41	1 / 90	13.01	22.42	0.175	33.01	-10.59
30 MHz	QPSK	2535.0	H	X	102	315	9.44	1 / 1	12.97	22.41	0.174	33.01	-10.60
	QPSK	2552.5	H	X	101	316	9.47	1 / 90	12.61	22.08	0.162	33.01	-10.93
	16-QAM	2517.5	H	X	100	315	9.41	1 / 80	11.95	21.36	0.137	33.01	-11.65
	$\pi/2$ BPSK	2515.0	H	X	100	319	9.41	1 / 80	13.40	22.81	0.191	33.01	-10.20
	$\pi/2$ BPSK	2535.0	H	X	100	315	9.44	1 / 80	12.67	22.11	0.163	33.01	-10.90
	$\pi/2$ BPSK	2555.0	H	X	101	318	9.47	1 / 158	13.08	22.55	0.180	33.01	-10.46
25 MHz	QPSK	2515.0	H	X	100	319	9.41	1 / 80	13.17	22.58	0.181	33.01	-10.43
	QPSK	2535.0	H	X	100	315	9.44	1 / 80	12.54	21.98	0.158	33.01	-11.03
	QPSK	2555.0	H	X	101	318	9.47	1 / 158	13.24	22.71	0.187	33.01	-10.30
	16-QAM	2555.0	H	X	101	318	9.47	1 / 158	13.36	22.83	0.192	33.01	-10.18
	$\pi/2$ BPSK	2512.5	H	X	100	319	9.41	1 / 1	13.56	22.96	0.198	33.01	-10.05
	$\pi/2$ BPSK	2535.0	H	X	100	315	9.44	1 / 131	12.63	22.08	0.161	33.01	-10.94
20 MHz	$\pi/2$ BPSK	2557.5	H	X	101	318	9.47	1 / 131	13.14	22.62	0.183	33.01	-10.39
	QPSK	2512.5	H	X	100	319	9.41	1 / 1	13.12	22.52	0.179	33.01	-10.49
	QPSK	2535.0	H	X	100	315	9.44	1 / 131	12.70	22.14	0.164	33.01	-10.87
	QPSK	2557.5	H	X	101	318	9.47	1 / 131	13.18	22.66	0.184	33.01	-10.36
	16-QAM	2557.5	H	X	101	318	9.47	1 / 131	13.30	22.77	0.189	33.01	-10.24
	$\pi/2$ BPSK	2510.0	H	X	100	319	9.40	1 / 53	13.54	22.94	0.197	33.01	-10.07
15 MHz	$\pi/2$ BPSK	2535.0	H	X	100	315	9.44	1 / 104	12.52	21.96	0.157	33.01	-11.05
	$\pi/2$ BPSK	2560.0	H	X	101	318	9.48	1 / 104	13.11	22.59	0.182	33.01	-10.42
	QPSK	2510.0	H	X	100	319	9.40	1 / 53	13.33	22.73	0.188	33.01	-10.28
	QPSK	2535.0	H	X	100	315	9.44	1 / 104	12.78	22.22	0.167	33.01	-10.79
	QPSK	2560.0	H	X	101	318	9.48	1 / 104	13.27	22.74	0.188	33.01	-10.27
	16-QAM	2560.0	H	X	101	318	9.48	1 / 104	13.26	22.73	0.188	33.01	-10.28
10 MHz	$\pi/2$ BPSK	2507.5	H	X	100	319	9.40	1 / 77	13.32	22.72	0.187	33.01	-10.29
	$\pi/2$ BPSK	2535.0	H	X	100	315	9.44	1 / 77	12.63	22.07	0.161	33.01	-10.94
	$\pi/2$ BPSK	2562.5	H	X	101	318	9.48	1 / 77	13.08	22.56	0.180	33.01	-10.45
	QPSK	2507.5	H	X	100	319	9.40	1 / 77	13.13	22.53	0.179	33.01	-10.48
	QPSK	2535.0	H	X	100	315	9.44	1 / 77	12.51	21.95	0.157	33.01	-11.06
	QPSK	2562.5	H	X	101	318	9.48	1 / 77	13.26	22.74	0.188	33.01	-10.27
5 MHz	16-QAM	2562.5	H	X	101	318	9.48	1 / 77	13.44	22.92	0.196	33.01	-10.09
	$\pi/2$ BPSK	2505.0	H	X	100	319	9.40	1 / 26	13.42	22.82	0.191	33.01	-10.19
	$\pi/2$ BPSK	2535.0	H	X	100	315	9.44	1 / 26	12.68	22.12	0.163	33.01	-10.89
	$\pi/2$ BPSK	2565.0	H	X	101	318	9.48	1 / 1	13.11	22.59	0.182	33.01	-10.42
	QPSK	2505.0	H	X	100	319	9.40	1 / 26	13.08	22.48	0.177	33.01	-10.54
	QPSK	2535.0	H	X	100	315	9.44	1 / 26	12.67	22.11	0.163	33.01	-10.90
50 MHz	QPSK	2565.0	H	X	101	318	9.48	1 / 1	13.14	22.62	0.183	33.01	-10.39
	16-QAM	2565.0	H	X	101	318	9.48	1 / 1	13.20	22.68	0.186	33.01	-10.33
	$\pi/2$ BPSK	2502.5	H	X	100	319	9.39	1 / 12	13.54	22.93	0.196	33.01	-10.08
	$\pi/2$ BPSK	2535.0	H	X	100	315	9.44	1 / 23	12.61	22.05	0.160	33.01	-10.96
	$\pi/2$ BPSK	2567.5	H	X	101	318	9.49	1 / 1	13.09	22.58	0.181	33.01	-10.43
	QPSK	2502.5	H	X	100	319	9.39	1 / 12	13.32	22.71	0.187	33.01	-10.30
50 MHz	QPSK	2535.0	H	X	100	315	9.44	1 / 23	12.72	22.16	0.165	33.01	-10.85
	QPSK	2567.5	H	X	101	318	9.49	1 / 1	13.21	22.70	0.186	33.01	-10.31
	16-QAM	2567.5	H	X	101	318	9.49	1 / 1	13.22	22.71	0.187	33.01	-10.30
50 MHz	QPSK (CP-OFDM)	2525.0	H	X	100	315	9.43	1 / 1	12.98	22.41	0.174	33.01	-10.60
	QPSK (Opposite Pol.)	2525.0	V	Y	180	49	9.43	1 / 1	11.43	20.86	0.122	33.01	-12.15
	QPSK (WCP)	2525.0	H	X	104	314	9.43	1 / 12	12.69	22.12	0.163	33.01	-10.89

Table 7-57. EIRP Data (NR Band n7 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 229 of 281

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	2546.01	H	X	114	122	9.46	1 / 136	11.55	21.01	0.126	33.01	-12.00
	$\pi/2$ BPSK	2592.99	H	X	122	126	9.53	1 / 1	11.83	21.36	0.137	33.01	-11.66
	$\pi/2$ BPSK	2640.00	H	X	112	122	9.59	1 / 1	10.05	19.64	0.092	33.01	-13.37
	QPSK	2546.01	H	X	114	122	9.46	1 / 136	10.86	20.32	0.108	33.01	-12.69
	QPSK	2592.99	H	X	122	126	9.53	1 / 1	11.87	21.40	0.138	33.01	-11.62
	QPSK	2640.00	H	X	112	122	9.59	1 / 1	9.39	18.98	0.079	33.01	-14.03
100 MHz	16-QAM	2592.99	H	X	122	126	9.53	1 / 1	11.27	20.80	0.120	33.01	-12.22
	QPSK (CP-OFDM)	2593.0	H	X	123	121	9.53	1 / 1	10.11	19.64	0.092	33.01	-13.38
	QPSK (Opposite Pol.)	2593.0	V	Y	140	251	9.53	1 / 1	10.95	20.48	0.112	33.01	-12.54
	QPSK (WCP)	2593.0	H	X	122	125	9.53	1 / 1	11.47	21.00	0.126	33.01	-12.02

Table 7-58. EIRP Data (NR Band n41 – Ant B - Default)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	2546.01	H	X	104	324	9.46	270 / 0	9.51	18.97	0.079	33.01	-14.04
	$\pi/2$ BPSK	2592.99	H	X	121	317	9.53	270 / 0	9.18	18.71	0.074	33.01	-14.31
	$\pi/2$ BPSK	2640.00	H	X	103	311	9.59	270 / 0	9.43	19.02	0.080	33.01	-13.99
	QPSK	2546.01	H	X	104	324	9.46	270 / 0	9.61	19.07	0.081	33.01	-13.94
	QPSK	2592.99	H	X	121	317	9.53	270 / 0	9.17	18.70	0.074	33.01	-14.32
	QPSK	2640.00	H	X	103	311	9.59	270 / 0	9.20	18.79	0.076	33.01	-14.22
100 MHz	16-QAM	2592.99	H	X	121	317	9.53	270 / 0	9.17	18.70	0.074	33.01	-14.32
	QPSK (CP-OFDM)	2546.0	H	X	108	322	9.46	270 / 0	7.92	17.38	0.055	33.01	-15.63
	QPSK (Opposite Pol.)	2546.0	V	X	150	39	9.46	270 / 0	8.18	17.64	0.058	33.01	-15.37
	QPSK (WCP)	2546.0	H	X	107	326	9.46	270 / 0	8.41	17.87	0.061	33.01	-15.14

Table 7-59. EIRP Data (NR Band n41 – Ant F- Switching)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	2546.01	H	X	127	235	9.46	1 / 136	10.70	20.16	0.104	33.01	-12.85
	$\pi/2$ BPSK	2592.99	H	X	135	226	9.53	1 / 1	10.84	20.37	0.109	33.01	-12.65
	$\pi/2$ BPSK	2640.00	H	X	132	231	9.59	1 / 1	9.48	19.07	0.081	33.01	-13.94
	QPSK	2546.01	H	X	127	235	9.46	1 / 136	10.25	19.71	0.093	33.01	-13.30
	QPSK	2592.99	H	X	135	226	9.53	1 / 1	10.68	20.21	0.105	33.01	-12.81
	QPSK	2640.00	H	X	132	231	9.59	1 / 1	9.20	18.79	0.076	33.01	-14.22
100 MHz	16-QAM	2592.99	H	X	135	226	9.53	1 / 1	9.97	19.50	0.089	33.01	-13.52
	QPSK (CP-OFDM)	2593.0	H	X	134	226	9.53	1 / 1	9.66	19.19	0.083	33.01	-13.83
	QPSK (Opposite Pol.)	2593.0	V	Y	100	268	9.53	1 / 1	8.31	17.84	0.061	33.01	-15.18
	QPSK (WCP)	2593.0	H	X	134	226	9.53	1 / 1	10.43	19.96	0.099	33.01	-13.06

Table 7-60. EIRP Data (NR Band n41 – Ant E - Default)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	2546.01	H	Z	100	37	9.46	270 / 0	7.51	16.97	0.050	33.01	-16.04
	$\pi/2$ BPSK	2592.99	H	Z	103	35	9.53	1 / 1	7.37	16.90	0.049	33.01	-16.12
	$\pi/2$ BPSK	2640.00	H	Z	100	46	9.59	1 / 1	5.97	15.56	0.036	33.01	-17.45
	QPSK	2546.01	H	Z	100	37	9.46	270 / 0	7.52	16.98	0.050	33.01	-16.03
	QPSK	2592.99	H	Z	103	35	9.53	1 / 1	7.40	16.93	0.049	33.01	-16.09
	QPSK	2640.00	H	Z	100	46	9.59	1 / 1	5.96	15.55	0.036	33.01	-17.46
100 MHz	16-QAM	2592.99	H	Z	103	35	9.53	1 / 1	6.84	16.37	0.043	33.01	-16.65
	QPSK (CP-OFDM)	2546.0	H	Z	100	45	9.46	1 / 1	4.86	14.32	0.027	33.01	-18.69
	QPSK (Opposite Pol.)	2546.0	V	Z	129	356	9.46	270 / 0	7.18	16.64	0.046	33.01	-16.37
	QPSK (WCP)	2546.0	H	Z	105	146	9.46	270 / 0	6.90	16.36	0.043	33.01	-16.65

Table 7-61. EIRP Data (NR Band n41 – Ant D- Switching)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset		Page 230 of 281

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	2546.01	H	Z	100	49	9.46	1 / 136	6.15	15.61	0.036	33.01	-17.40
	$\pi/2$ BPSK	2592.99	H	Z	100	40	9.53	1 / 1	6.03	15.56	0.036	33.01	-17.46
	$\pi/2$ BPSK	2640.00	H	Z	100	34	9.59	1 / 1	5.26	14.85	0.031	33.01	-18.16
	QPSK	2546.01	H	Z	100	49	9.46	1 / 136	5.60	15.06	0.032	33.01	-17.95
	QPSK	2592.99	H	Z	100	40	9.53	1 / 1	5.86	15.39	0.035	33.01	-17.63
	QPSK	2640.00	H	Z	100	34	9.59	1 / 1	4.59	14.18	0.026	33.01	-18.83
100 MHz	16-QAM	2592.99	H	Z	100	40	9.53	1 / 1	5.04	14.57	0.029	33.01	-18.45
	QPSK (CP-OFDM)	2546.0	H	Z	114	239	9.46	1 / 1	5.29	14.75	0.030	33.01	-18.26
	QPSK (Opposite Pol.)	2546.0	V	X	364	283	9.46	1 / 1	4.27	13.73	0.024	33.01	-19.28
	QPSK (WCP)	2546.0	H	Z	103	41	9.46	1 / 1	5.60	15.06	0.032	33.01	-17.95

Table 7-62. EIRP Data (NR Band n41 – Ant D - Default)

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	EUT Pol.	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
100 MHz	$\pi/2$ BPSK	2546.01	H	X	124	223	9.46	270 / 0	6.50	15.96	0.039	33.01	-17.05
	$\pi/2$ BPSK	2592.99	H	X	134	225	9.53	1 / 1	6.44	15.97	0.039	33.01	-17.05
	$\pi/2$ BPSK	2640.00	H	X	131	226	9.59	270 / 0	3.92	13.51	0.022	33.01	-19.50
	QPSK	2546.01	H	X	124	223	9.46	270 / 0	6.39	15.85	0.038	33.01	-17.16
	QPSK	2592.99	H	X	134	225	9.53	1 / 1	6.46	15.99	0.040	33.01	-17.03
	QPSK	2640.00	H	X	131	226	9.59	270 / 0	4.22	13.81	0.024	33.01	-19.20
100 MHz	16-QAM	2592.99	H	X	134	225	9.53	1 / 1	6.45	15.98	0.040	33.01	-17.04
	QPSK (CP-OFDM)	2593.0	H	X	131	224	9.53	270 / 0	4.28	13.81	0.024	33.01	-19.21
	QPSK (Opposite Pol.)	2593.0	V	Y	100	266	9.53	270 / 0	0.87	10.40	0.011	33.01	-22.62
	QPSK (WCP)	2593.0	H	X	129	219	9.53	1 / 1	5.42	14.95	0.031	33.01	-18.06

Table 7-63. EIRP Data (NR Band n41 – Ant E - Switching)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 231 of 281

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]
100 MHz	π/2 BPSK	2546.01	H	121	311	9.46	1 / 136	17.38	26.84	0.483	33.01	-6.17
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.13	27.66	0.583	33.01	-5.36
	π/2 BPSK	2640.00	H	106	309	9.59	1 / 1	18.40	27.99	0.630	33.01	-5.02
	QPSK	2546.01	H	121	311	9.46	1 / 136	16.92	26.38	0.434	33.01	-6.63
	QPSK	2592.99	H	122	326	9.53	1 / 1	17.62	27.15	0.518	33.01	-5.87
	QPSK	2640.00	H	106	309	9.59	1 / 1	18.04	27.63	0.580	33.01	-5.38
16-QAM	2640.00	H	106	309	9.59	1 / 1	17.53	27.12	0.516	33.01	-5.89	
90 MHz	π/2 BPSK	2541.00	H	121	311	9.45	1 / 243	17.87	27.32	0.540	33.01	-5.69
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 122	17.99	27.51	0.564	33.01	-5.50
	π/2 BPSK	2644.98	H	106	309	9.60	1 / 1	18.39	27.99	0.629	33.01	-5.02
	QPSK	2541.00	H	121	311	9.45	1 / 243	17.46	26.91	0.491	33.01	-6.10
	QPSK	2592.99	H	122	326	9.53	1 / 122	17.37	26.90	0.489	33.01	-6.11
	QPSK	2644.98	H	106	309	9.60	1 / 1	17.70	27.29	0.536	33.01	-5.72
16-QAM	2644.98	H	106	309	9.60	1 / 1	17.92	27.52	0.564	33.01	-5.49	
80 MHz	π/2 BPSK	2536.02	H	121	311	9.44	1 / 215	17.91	27.35	0.543	33.01	-5.66
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.35	27.88	0.614	33.01	-5.13
	π/2 BPSK	2649.99	H	106	309	9.61	216 / 0	18.35	27.96	0.625	33.01	-5.05
	QPSK	2536.02	H	121	311	9.44	1 / 215	17.73	27.17	0.522	33.01	-5.84
	QPSK	2592.99	H	122	326	9.53	1 / 1	17.76	27.29	0.536	33.01	-5.72
	QPSK	2649.99	H	106	309	9.61	1 / 108	17.44	27.05	0.507	33.01	-5.96
16-QAM	2649.99	H	106	309	9.61	1 / 108	16.74	26.35	0.431	33.01	-6.66	
70 MHz	π/2 BPSK	2531.01	H	121	311	9.43	1 / 187	17.54	26.98	0.499	33.01	-6.03
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 94	18.05	27.58	0.573	33.01	-5.43
	π/2 BPSK	2655.00	H	106	309	9.61	1 / 94	18.41	28.03	0.635	33.01	-4.98
	QPSK	2531.01	H	121	311	9.43	1 / 187	17.51	26.94	0.495	33.01	-6.07
	QPSK	2592.99	H	122	326	9.53	1 / 94	17.43	26.95	0.496	33.01	-6.06
	QPSK	2655.00	H	106	309	9.61	1 / 94	17.20	26.81	0.480	33.01	-6.20
16-QAM	2655.00	H	106	309	9.61	1 / 94	17.24	26.85	0.485	33.01	-6.16	
60 MHz	π/2 BPSK	2526.00	H	121	311	9.43	1 / 160	17.59	27.02	0.504	33.01	-5.99
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 81	18.13	27.66	0.583	33.01	-5.35
	π/2 BPSK	2659.98	H	106	309	9.62	1 / 81	18.01	27.63	0.580	33.01	-5.38
	QPSK	2526.00	H	121	311	9.43	1 / 160	17.20	26.63	0.460	33.01	-6.38
	QPSK	2592.99	H	122	326	9.53	1 / 81	17.31	26.83	0.482	33.01	-6.18
	QPSK	2659.98	H	106	309	9.62	1 / 81	17.51	27.14	0.517	33.01	-5.88
16-QAM	2659.98	H	106	309	9.62	1 / 81	16.96	26.59	0.456	33.01	-6.42	
50 MHz	π/2 BPSK	2521.02	H	121	311	9.42	1 / 131	17.32	26.74	0.472	33.01	-6.27
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.26	27.78	0.600	33.01	-5.23
	π/2 BPSK	2664.99	H	106	309	9.63	1 / 66	17.99	27.62	0.578	33.01	-5.39
	QPSK	2521.02	H	121	311	9.42	1 / 131	16.90	26.32	0.428	33.01	-6.69
	QPSK	2592.99	H	122	326	9.53	1 / 1	17.94	27.47	0.558	33.01	-5.54
	QPSK	2664.99	H	106	309	9.63	1 / 66	17.55	27.18	0.522	33.01	-5.83
16-QAM	2664.99	H	106	309	9.63	1 / 66	16.95	26.57	0.454	33.01	-6.44	
45 MHz	π/2 BPSK	2518.50	H	121	311	9.41	1 / 104	17.07	26.48	0.445	33.01	-6.53
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 53	18.30	27.82	0.606	33.01	-5.19
	π/2 BPSK	2667.50	H	106	309	9.63	1 / 53	18.56	28.20	0.660	33.01	-4.81
	QPSK	2518.50	H	121	311	9.41	1 / 104	16.46	25.88	0.387	33.01	-7.13
	QPSK	2592.99	H	122	326	9.53	1 / 53	17.45	26.98	0.499	33.01	-6.03
	QPSK	2667.50	H	106	309	9.63	1 / 53	17.92	27.56	0.570	33.01	-5.45
16-QAM	2667.50	H	106	309	9.63	1 / 53	17.26	26.90	0.490	33.01	-6.11	
40 MHz	π/2 BPSK	2516.01	H	121	311	9.41	1 / 104	17.04	26.45	0.441	33.01	-6.56
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 53	18.26	27.79	0.601	33.01	-5.22
	π/2 BPSK	2670.00	H	106	309	9.63	1 / 53	18.20	27.84	0.608	33.01	-5.17
	QPSK	2516.01	H	121	311	9.41	1 / 104	16.21	25.62	0.365	33.01	-7.39
	QPSK	2592.99	H	122	326	9.53	1 / 53	17.49	27.02	0.503	33.01	-5.99
	QPSK	2670.00	H	106	309	9.63	1 / 53	17.68	27.31	0.538	33.01	-5.70
16-QAM	2670.00	H	106	309	9.63	1 / 53	16.89	26.53	0.450	33.01	-6.48	
35 MHz	π/2 BPSK	2513.52	H	121	311	9.40	1 / 39	17.44	26.85	0.484	33.01	-6.16
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.12	27.65	0.582	33.01	-5.36
	π/2 BPSK	2672.49	H	106	309	9.64	1 / 1	18.28	27.93	0.620	33.01	-5.08
	QPSK	2513.52	H	121	311	9.40	1 / 39	16.82	26.23	0.419	33.01	-6.78
	QPSK	2592.99	H	122	326	9.53	1 / 39	17.73	27.26	0.532	33.01	-5.75
	QPSK	2672.49	H	106	309	9.64	1 / 1	17.54	27.18	0.522	33.01	-5.83
16-QAM	2672.49	H	106	309	9.64	1 / 1	16.94	26.59	0.456	33.01	-6.42	
30 MHz	π/2 BPSK	2511.00	H	121	311	9.40	1 / 39	17.21	26.61	0.459	33.01	-6.40
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.43	27.95	0.624	33.01	-5.06
	π/2 BPSK	2674.98	H	106	309	9.64	1 / 1	18.76	28.40	0.693	33.01	-4.61
	QPSK	2511.00	H	121	311	9.40	1 / 39	16.03	25.43	0.349	33.01	-7.58
	QPSK	2592.99	H	122	326	9.53	1 / 1	18.06	27.58	0.573	33.01	-5.43
	QPSK	2674.98	H	106	309	9.64	1 / 1	17.92	27.56	0.571	33.01	-5.45
16-QAM	2674.98	H	106	309	9.64	1 / 1	17.18	26.82	0.481	33.01	-6.19	
25 MHz	π/2 BPSK	2508.51	H	121	311	9.40	1 / 25	17.41	26.80	0.479	33.01	-6.21
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.45	27.97	0.627	33.01	-5.04
	π/2 BPSK	2677.50	H	106	309	9.65	1 / 1	18.57	28.22	0.663	33.01	-4.80
	QPSK	2508.51	H	121	311	9.40	1 / 25	16.58	25.98	0.396	33.01	-7.03
	QPSK	2592.99	H	122	326	9.53	1 / 1	18.08	27.60	0.575	33.01	-5.41
	QPSK	2677.50	H	106	309	9.65	1 / 1	17.75	27.40	0.550	33.01	-5.61
16-QAM	2677.50	H	106	309	9.65	1 / 1	17.04	26.69	0.466	33.01	-6.32	
20 MHz	π/2 BPSK	2506.02	H	121	311	9.40	1 / 25	17.06	26.46	0.442	33.01	-6.55
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.45	27.97	0.627	33.01	-5.04
	π/2 BPSK	2679.99	H	106	309	9.65	1 / 1	18.00	27.65	0.582	33.01	-5.36
	QPSK	2506.02	H	121	311	9.40	1 / 25	16.40	25.79	0.380	33.01	-7.22
	QPSK	2592.99	H	122	326	9.53	1 / 1	18.24	27.76	0.597	33.01	-5.25
	QPSK	2679.99	H	106	309	9.65	1 / 1	17.46	27.11	0.514	33.01	-5.90
16-QAM	2679.99	H	106	309	9.65	1 / 1	17.06	26.71	0.468	33.01	-6.31	
15 MHz	π/2 BPSK	2506.02	H	121	311	9.40	1 / 49	17.31	26.71	0.469	33.01	-6.30
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.38	27.90	0.617	33.01	-5.11
	π/2 BPSK	2679.99	H	106	309	9.65	1 / 1	18.28	27.93	0.621	33.01	-5.08
	QPSK	2506.02	H	121	311	9.40	1 / 18	16.42	25.82	0.382	33.01	-7.19
	QPSK	2592.99	H	122	326	9.53	1 / 1	17.50	27.02	0.504	33.01	-5.99
	QPSK	2679.99	H	106	309	9.65	1 / 18	17.53	27.18	0.522	33.01	-5.83
16-QAM	2679.99	H	106	309	9.65	1 / 1	16.60	26.25	0.421	33.01	-6.76	
10 MHz	π/2 BPSK	2506.02	H	121	311	9.40	1 / 49	17.01	26.41	0.437	33.01	-6.60
	π/2 BPSK	2592.99	H	122	326	9.53	1 / 1	18.26	27.79	0.601	33.01	-5.22
	π/2 BPSK	2679.99	H	106	309	9.65	1 / 1	17.96	27.61	0.576	33.01	-5.40
	QPSK	2506.02	H	121	311	9.40	1 / 49	15.94	25.34	0.342	33.01	-7.67
	QPSK	2592.99	H	122	326	9.53	1 / 25	17.39	26.92	0.492	33.01	-6.09
	QPSK	2679.99	H	106	309	9.65	1 / 1	16.89	26.54	0.451	33.01	-6.47
16-QAM	2679.99	H	106									

7.7 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.

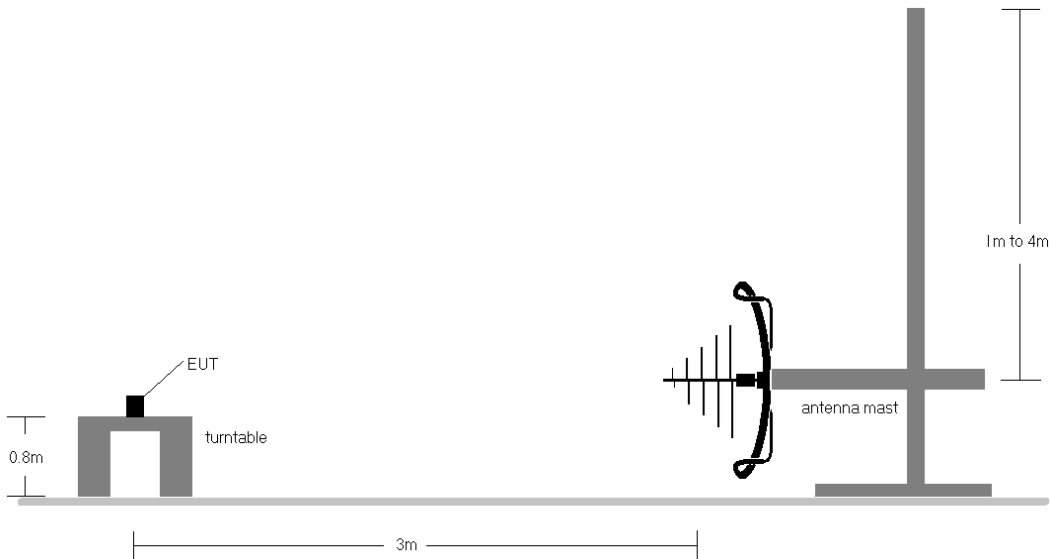


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

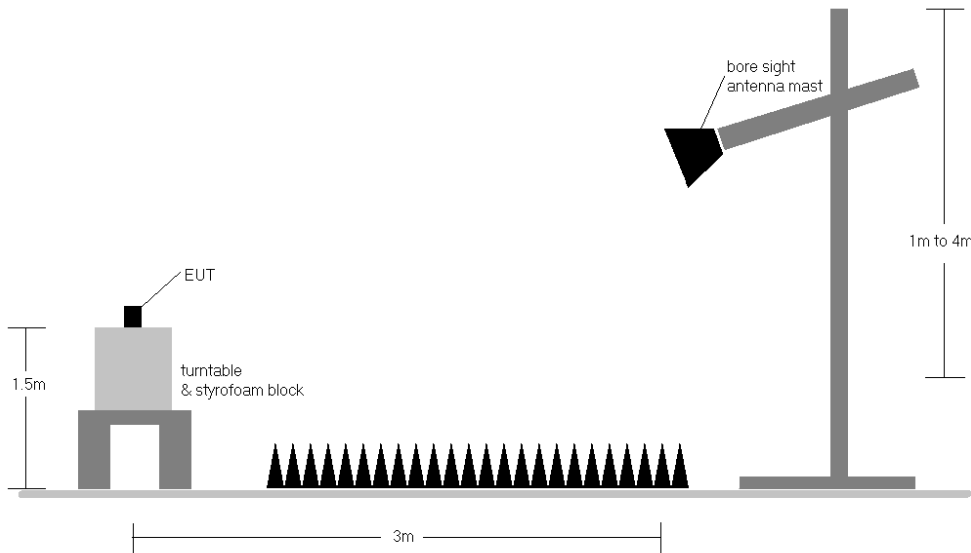


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

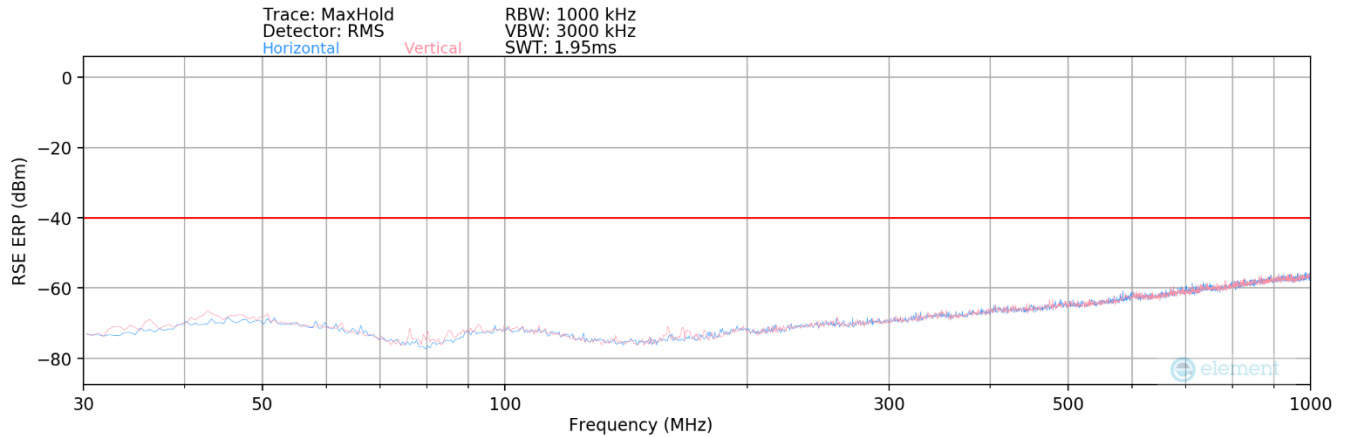
FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Test Notes

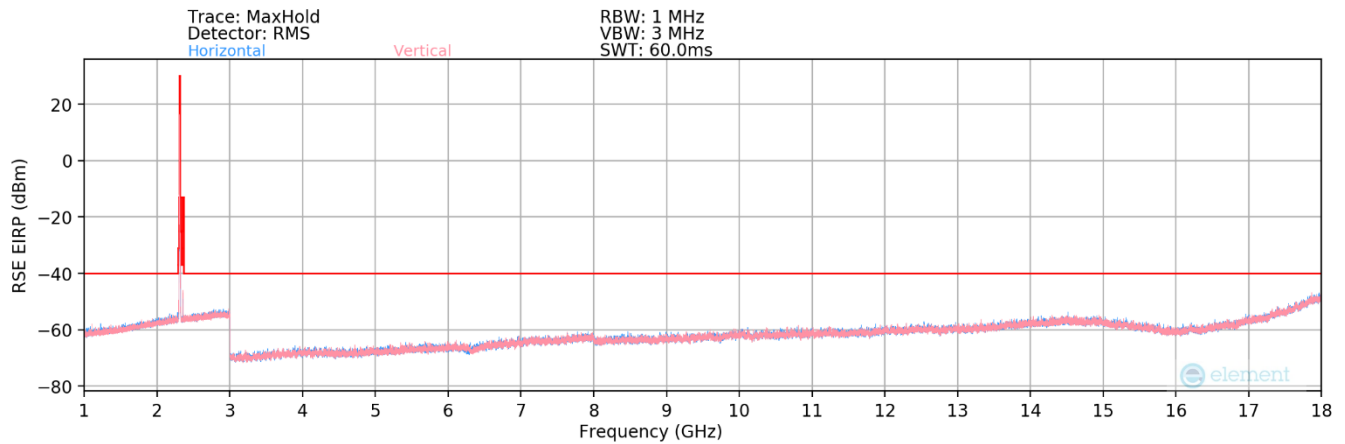
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m})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

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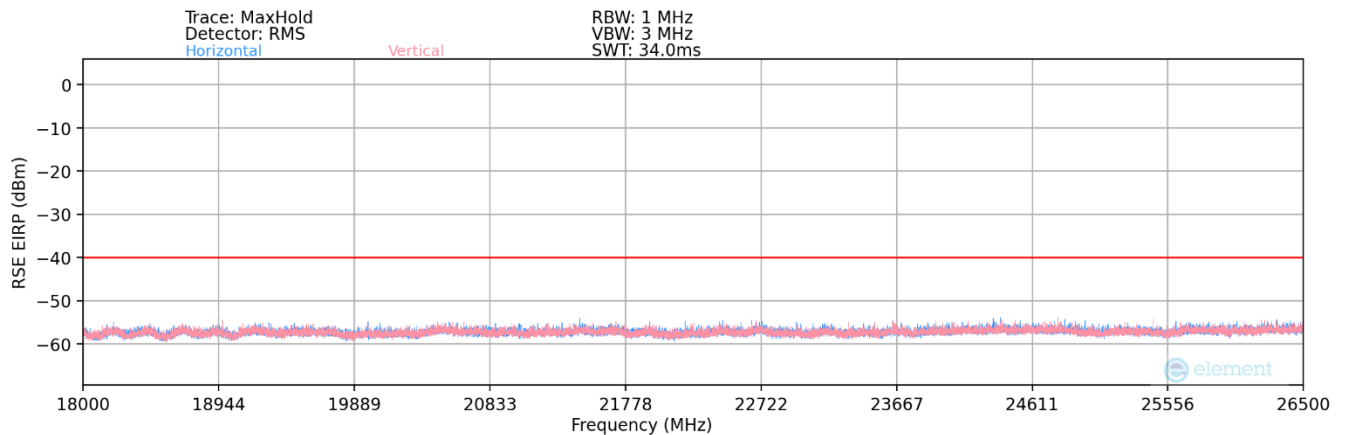
LTE Band 30 – Ant A



Plot 7-325. Radiated Spurious Plot (LTE Band 30 – Ant A)



Plot 7-326. Radiated Spurious Plot (LTE Band 30 – Ant A)



Plot 7-327. Radiated Spurious Plot (LTE Band 30 – Ant A)

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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
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]
4620.00	H	-	-	-76.81	1.21	31.40	-63.86	-40.00	-23.86
6930.00	H	-	-	-78.07	5.93	34.86	-60.39	-40.00	-20.39
9240.00	H	-	-	-79.27	9.57	37.30	-57.96	-40.00	-17.96
18480.00	H	-	-	-51.93	-3.41	51.66	-53.14	-40.00	-13.14
20790.00	H	-	-	-52.06	-3.34	51.60	-53.20	-40.00	-13.20

Table 7-65. Radiated Spurious Data (LTE Band 30 – Mid Channel – Ant A)

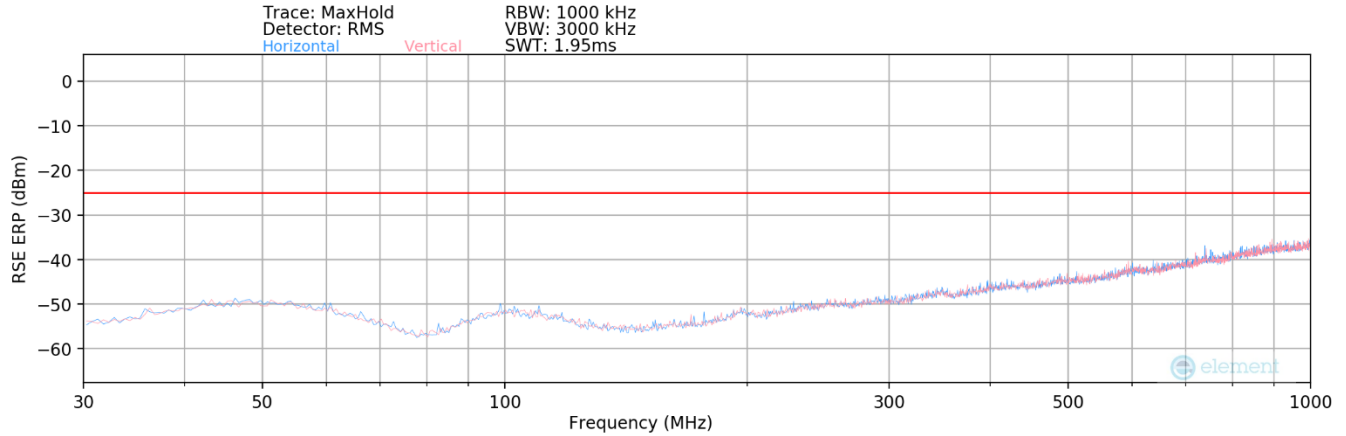
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/25

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]
294.74	H	-	-	-97.05	20.45	30.40	-67.01	-40.00	-27.01
672.63	H	-	-	-96.58	27.57	37.99	-59.42	-40.00	-19.42
922.83	H	-	-	-95.59	30.75	42.16	-55.25	-40.00	-15.25

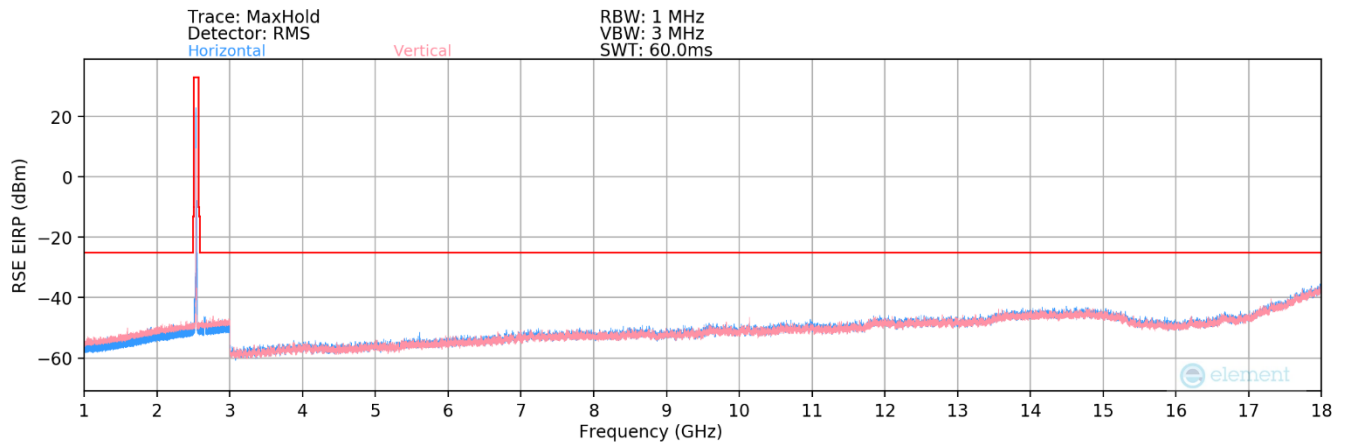
Table 7-66. Radiated Spurious Data (LTE Band 30 – Mid Channel – Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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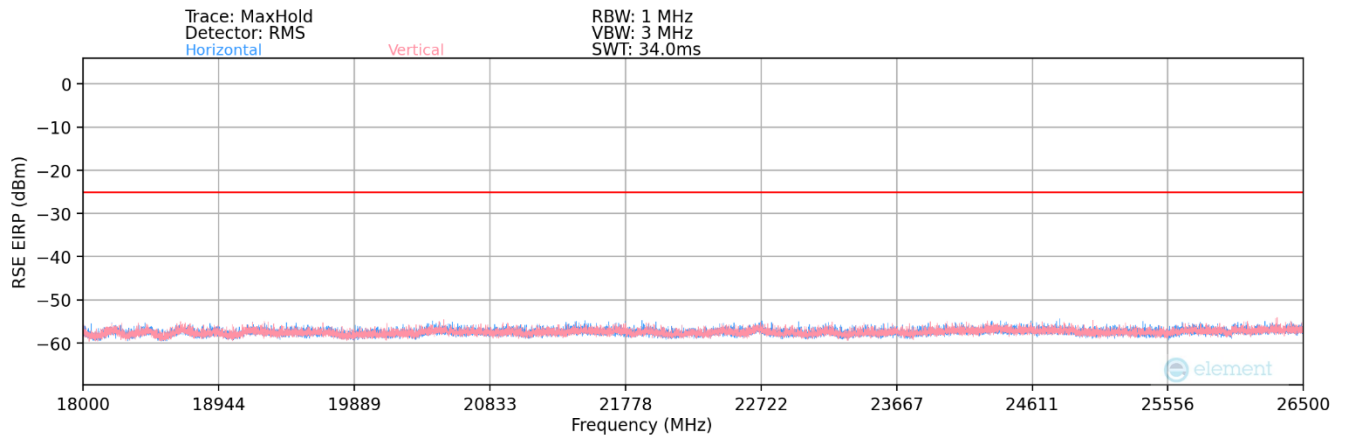
LTE Band 7 – Ant B



Plot 7-328. Radiated Spurious Plot (LTE Band 7 – Ant B)



Plot 7-329. Radiated Spurious Plot (LTE Band 7 – Ant B)



Plot 7-330. Radiated Spurious Plot (LTE Band 7 – Ant B)

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Bandwidth (MHz):	20
Frequency (MHz):	2510.0
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]
5020.00	H	-	-	-75.69	2.30	33.61	-61.64	-25.00	-36.64
7530.00	H	-	-	-77.43	7.01	36.58	-58.68	-25.00	-33.68
10040.00	H	-	-	-79.08	10.74	38.66	-56.60	-25.00	-31.60
20080.00	H	-	-	-52.81	-3.61	50.58	-54.22	-25.00	-29.22
22590.00	H	-	-	-52.31	-3.49	51.20	-53.60	-25.00	-28.60

Table 7-67. Radiated Spurious Data (LTE Band 7 – Low Channel – Ant B)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
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]
5070.00	H	-	-	-75.59	2.02	33.43	-61.83	-25.00	-36.83
7605.00	H	-	-	-77.58	7.04	36.46	-58.80	-25.00	-33.80
10140.00	H	-	-	-79.31	11.32	39.01	-56.25	-25.00	-31.25
20280.00	H	-	-	-52.78	-3.36	50.86	-53.94	-25.00	-28.94
22815.00	H	-	-	-51.71	-3.55	51.74	-53.06	-25.00	-28.06

Table 7-68. Radiated Spurious Data (LTE Band 7 – Mid Channel – Ant B)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
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]
5120.00	H	-	-	-75.30	1.99	33.69	-61.57	-25.00	-36.57
7680.00	H	-	-	-77.33	7.01	36.68	-58.58	-25.00	-33.58
10240.00	H	-	-	-79.74	11.46	38.72	-56.54	-25.00	-31.54
20480.00	H	-	-	-52.25	-3.19	51.56	-53.24	-25.00	-28.24
23040.00	H	-	-	-52.52	-3.57	50.91	-53.89	-25.00	-28.89

Table 7-69. Radiated Spurious Data (LTE Band 7 – High Channel – Ant B)

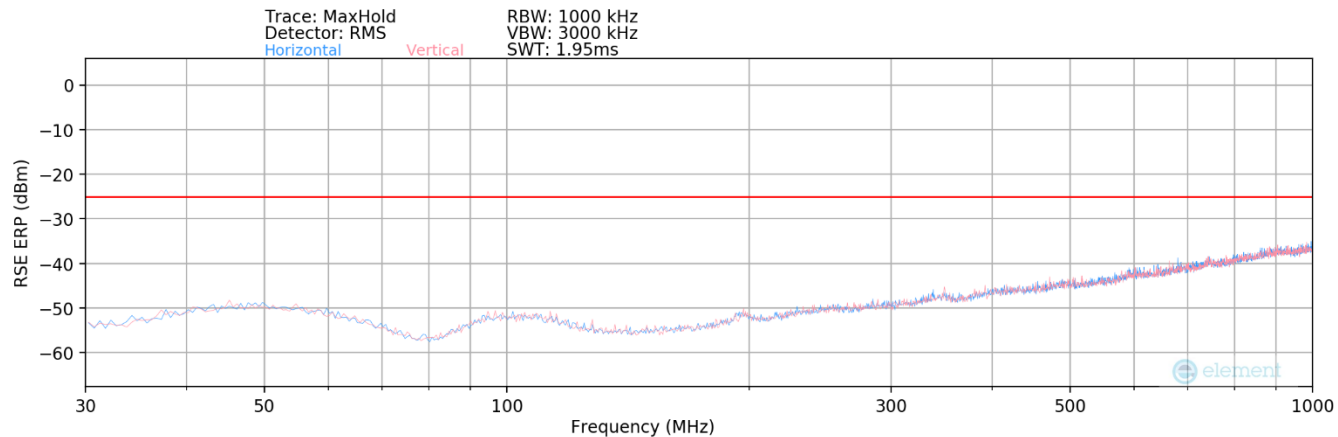
Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

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]
298.52	H	-	-	-97.16	20.46	30.30	-67.11	-25.00	-42.11
651.05	H	-	-	-96.52	27.12	37.60	-59.81	-25.00	-34.81
973.48	H	-	-	-95.63	31.06	42.43	-54.98	-25.00	-29.98

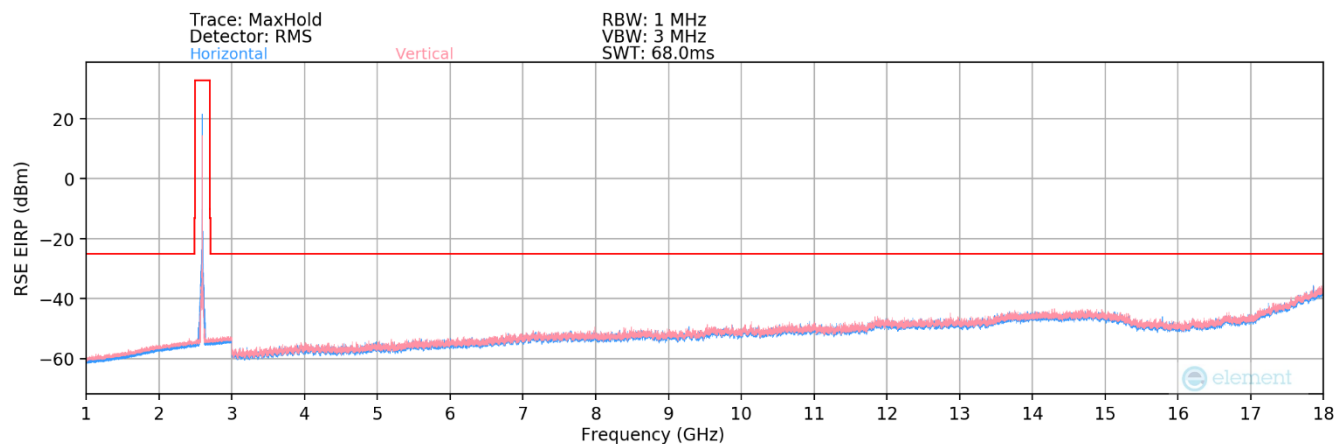
Table 7-70. Radiated Spurious Data (LTE Band 7 – Mid Channel – Ant B)

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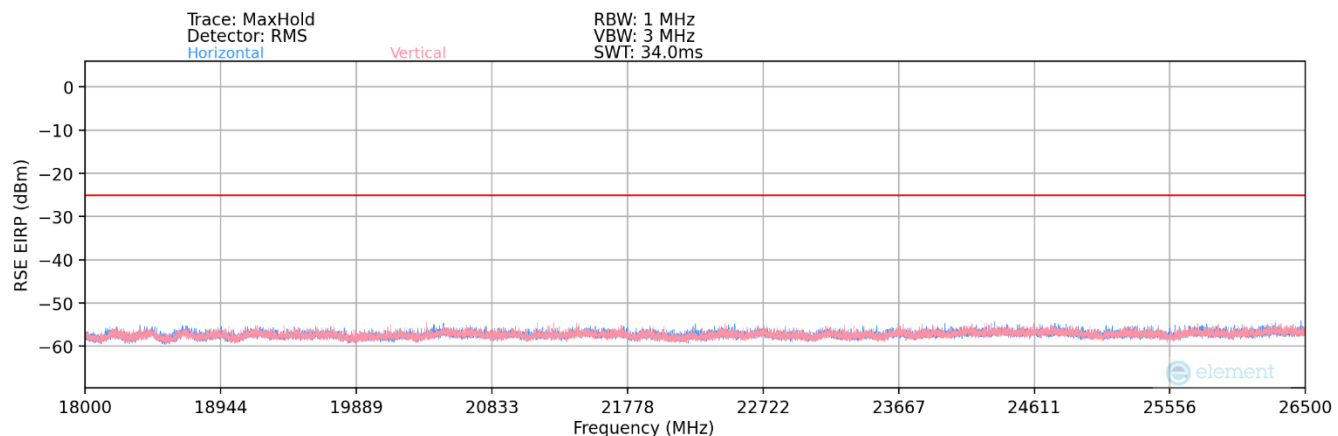
LTE Band 41(PC3)/38 – Ant B



Plot 7-331. Radiated Spurious Plot (LTE Band 41(PC3)/38 – Ant B)



Plot 7-332. Radiated Spurious Plot (LTE Band 41(PC3)/38 – Ant B)



Plot 7-333. Radiated Spurious Plot (LTE Band 41(PC3)/38 – Ant B)

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Bandwidth (MHz):	20
Frequency (MHz):	2506.0
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]
5012.00	H	-	-	-75.71	2.41	33.70	-61.56	-25.00	-36.56
7518.00	H	-	-	-77.63	6.93	36.30	-58.96	-25.00	-33.96
10024.00	H	-	-	-79.31	10.94	38.63	-56.63	-25.00	-31.63
20048.00	H	-	-	-53.26	-3.63	50.11	-54.69	-25.00	-29.69
22554.00	H	-	-	-52.46	-3.50	51.04	-53.76	-25.00	-28.76

Table 7-71. Radiated Spurious Data (LTE Band 41(PC3)/38 – Low Channel – Ant B)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
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]
5186.00	H	-	-	-75.51	2.23	33.72	-61.54	-25.00	-36.54
7779.00	H	-	-	-77.80	7.42	36.62	-58.63	-25.00	-33.63
10372.00	H	-	-	-79.69	11.13	38.44	-56.82	-25.00	-31.82
18151.00	H	-	-	-52.79	-3.22	50.99	-53.81	-25.00	-28.81
20744.00	H	-	-	-52.49	-3.37	51.14	-53.66	-25.00	-28.66
23337.00	H	-	-	-52.08	-3.60	51.32	-53.48	-25.00	-28.48

Table 7-72. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant B)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
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]
5360.00	H	-	-	-76.11	3.12	34.01	-61.25	-25.00	-36.25
8040.00	H	-	-	-77.83	7.42	36.59	-58.66	-25.00	-33.66
10720.00	H	-	-	-79.31	11.57	39.26	-55.99	-25.00	-30.99
18760.00	H	-	-	-52.63	-3.25	51.12	-53.68	-25.00	-28.68
21440.00	H	-	-	-52.73	-3.23	51.04	-53.76	-25.00	-28.76
24120.00	H	-	-	-52.41	-3.21	51.38	-53.42	-25.00	-28.42

Table 7-73. Radiated Spurious Data (LTE Band 41(PC3)/38 – High Channel – Ant B)

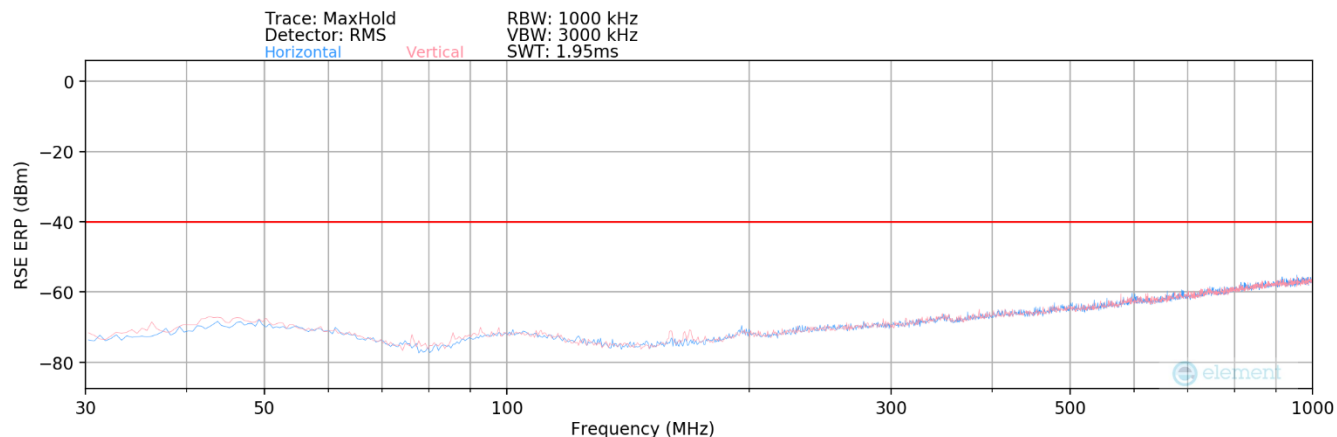
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/25

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]
290.96	H	-	-	-97.07	20.37	30.30	-67.11	-25.00	-42.11
670.63	H	-	-	-96.63	27.52	37.89	-59.51	-25.00	-34.51
981.57	H	-	-	-95.69	31.10	42.41	-54.99	-25.00	-29.99

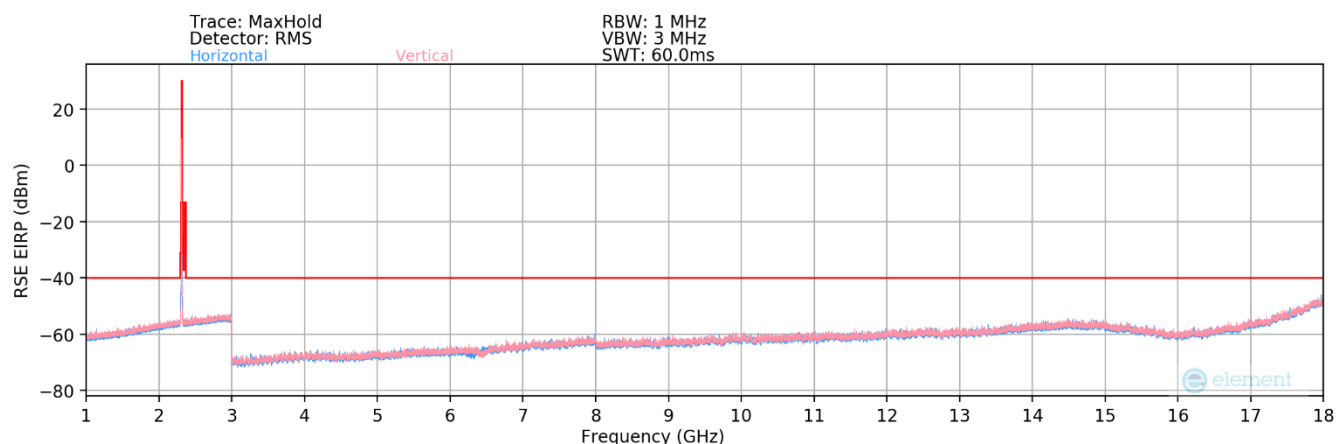
Table 7-74. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant B)

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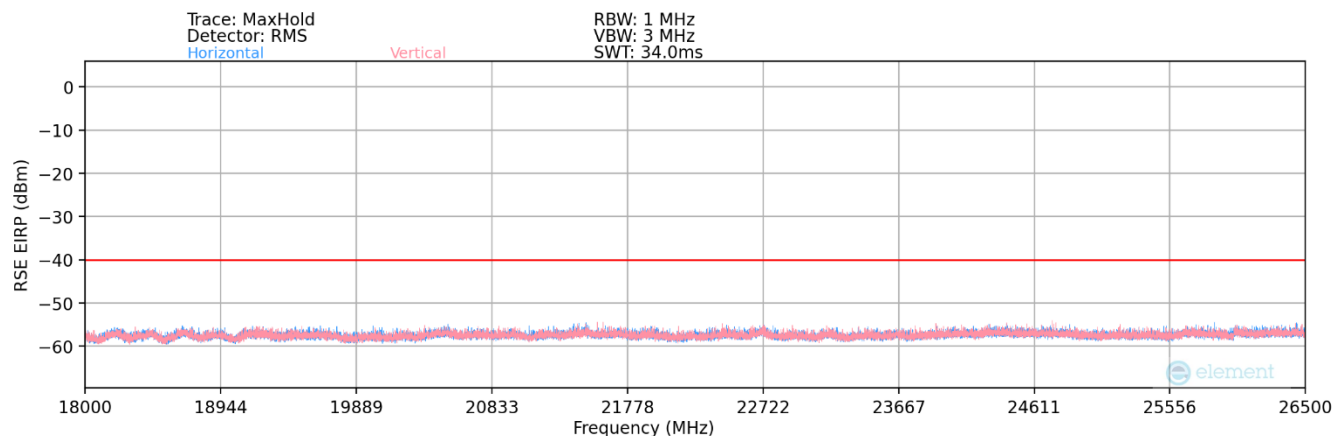
NR Band n30 – Ant A



Plot 7-334. Radiated Spurious Plot (NR Band n30 – Ant A)



Plot 7-335. Radiated Spurious Plot (NR Band n30 – Ant A)



Plot 7-336. Radiated Spurious Plot (NR Band n30 – Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 242 of 281

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

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]
4620.00	H	-	-	-76.28	1.23	31.95	-63.31	-40.00	-23.31
6930.00	H	-	-	-77.48	5.58	35.10	-60.15	-40.00	-20.15
9240.00	H	-	-	-79.06	9.51	37.45	-57.81	-40.00	-17.81
18480.00	H	-	-	-52.54	-3.41	51.05	-53.75	-40.00	-13.75
20790.00	H	-	-	-53.17	-3.34	50.49	-54.31	-40.00	-14.31

Table 7-75. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant A)

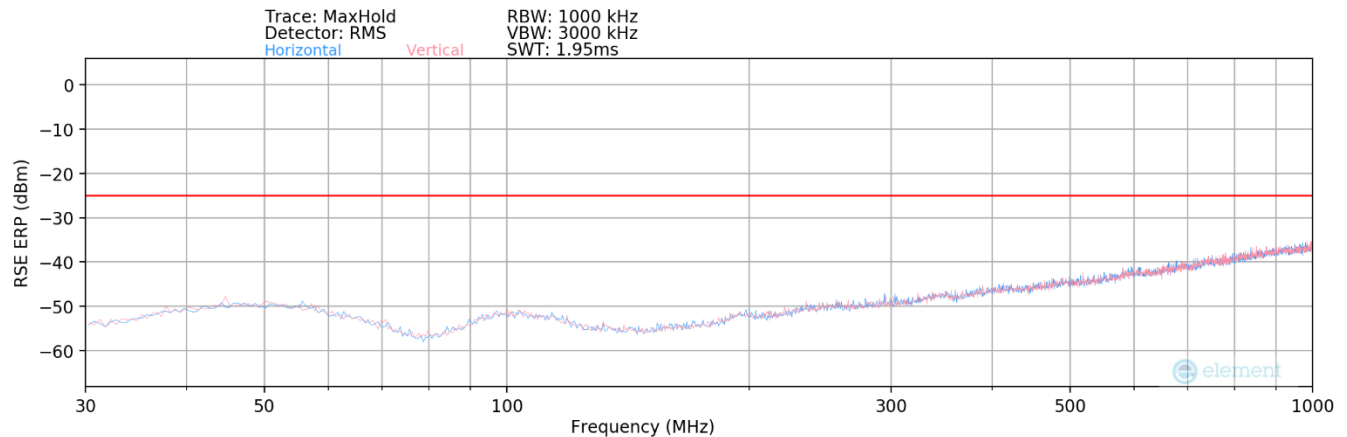
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/26

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]
269.47	H	-	-	-96.75	19.79	30.04	-67.37	-40.00	-27.37
556.88	H	-	-	-95.99	25.65	36.66	-60.75	-40.00	-20.75
864.53	H	-	-	-95.98	30.24	41.26	-56.15	-40.00	-16.15

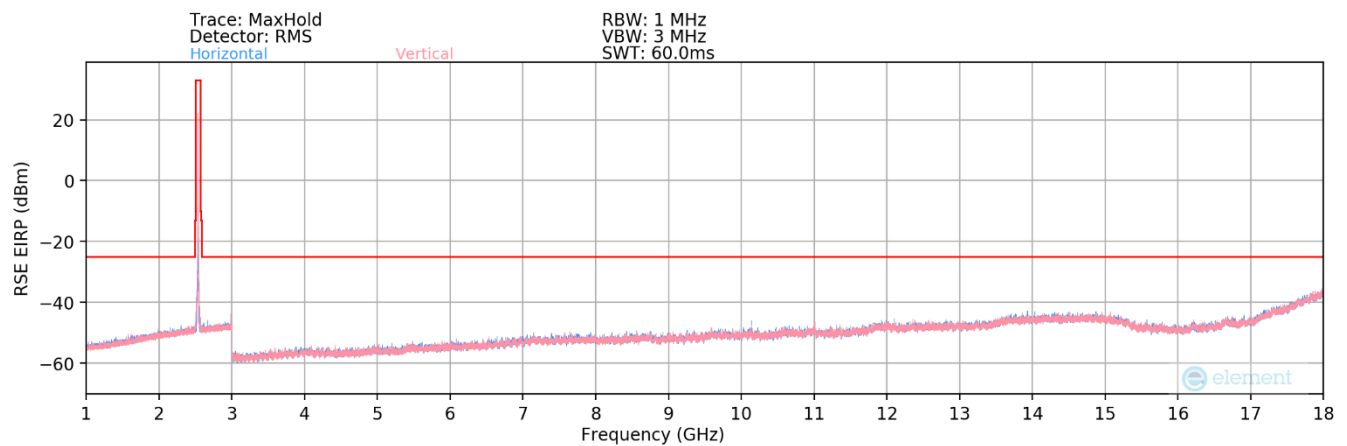
Table 7-76. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant A)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 243 of 281

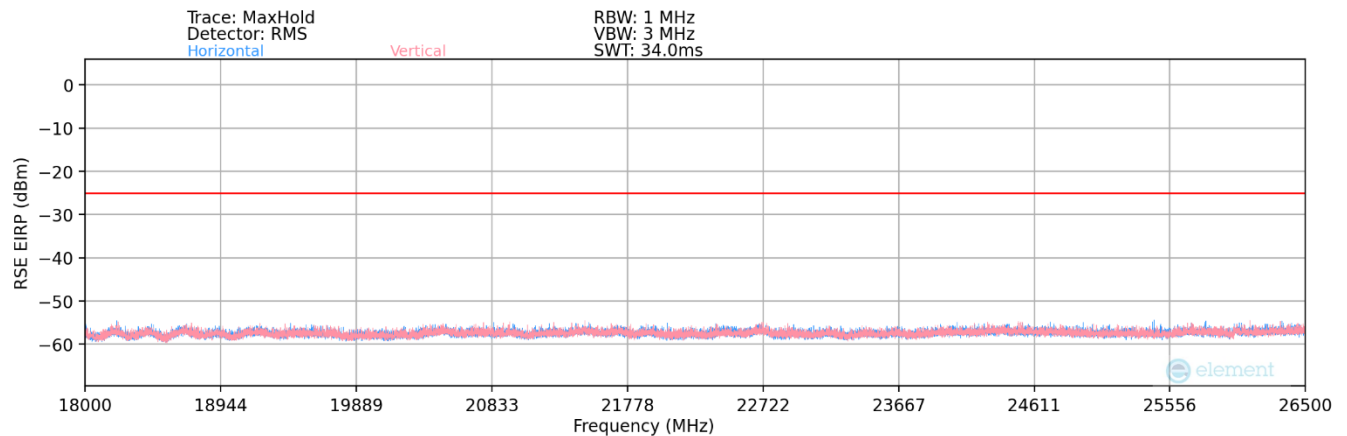
NR Band n7 – Ant B



Plot 7-337. Radiated Spurious Plot (NR Band n7 – Ant B)



Plot 7-338. Radiated Spurious Plot (NR Band n7 – Ant B)



Plot 7-339. Radiated Spurious Plot (NR Band n7 – Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 244 of 281

Bandwidth (MHz):	50
Frequency (MHz):	2525.0
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]
5050.00	H	-	-	-74.96	2.36	34.40	-60.86	-25.00	-35.86
7575.00	H	-	-	-76.73	7.05	37.32	-57.94	-25.00	-32.94
10100.00	H	188	296	-76.12	11.00	41.88	-53.38	-25.00	-28.38
12625.00	H	-	-	-80.47	13.89	40.42	-54.84	-25.00	-29.84
15150.00	H	-	-	-80.42	16.09	42.67	-52.59	-25.00	-27.59
17675.00	H	-	-	-80.27	22.50	49.23	-46.03	-25.00	-21.03
20200.00	H	-	-	-53.03	-3.49	50.48	-54.32	-25.00	-29.32
22725.00	H	-	-	-52.86	-3.17	50.97	-53.83	-25.00	-28.83

Table 7-77. Radiated Spurious Data (NR Band n7 – Low Channel – Ant B)

Bandwidth (MHz):	50
Frequency (MHz):	2535.0
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]
5070.00	H	-	-	-75.59	2.02	33.43	-61.83	-25.00	-36.83
7605.00	H	-	-	-77.59	7.04	36.45	-58.81	-25.00	-33.81
10140.00	H	182	297	-76.20	11.32	42.12	-53.14	-25.00	-28.14
12675.00	H	-	-	-80.35	14.26	40.91	-54.34	-25.00	-29.34
15210.00	H	-	-	-80.08	16.04	42.96	-52.29	-25.00	-27.29
17745.00	H	-	-	-80.34	23.48	50.14	-45.12	-25.00	-20.12
20280.00	H	-	-	-52.82	-3.36	50.82	-53.98	-25.00	-28.98
22815.00	H	-	-	-52.74	-3.55	50.71	-54.09	-25.00	-29.09

Table 7-78. Radiated Spurious Data (NR Band n7 – Mid Channel – Ant B)

Bandwidth (MHz):	50
Frequency (MHz):	2545.0
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]
5090.00	H	-	-	-75.37	1.97	33.60	-61.65	-25.00	-36.65
7635.00	H	-	-	-76.85	7.19	37.34	-57.91	-25.00	-32.91
10180.00	H	183	297	-76.91	10.62	40.71	-54.55	-25.00	-29.55
12725.00	H	-	-	-80.72	13.96	40.24	-55.01	-25.00	-30.01
15270.00	H	-	-	-80.75	16.20	42.45	-52.81	-25.00	-27.81
17815.00	H	-	-	-80.90	25.54	51.64	-43.62	-25.00	-18.62
20360.00	H	-	-	-52.74	-3.17	51.09	-53.71	-25.00	-28.71
22905.00	H	-	-	-53.16	-3.58	50.26	-54.54	-25.00	-29.54

Table 7-79. Radiated Spurious Data (NR Band n7 – High Channel – Ant B)

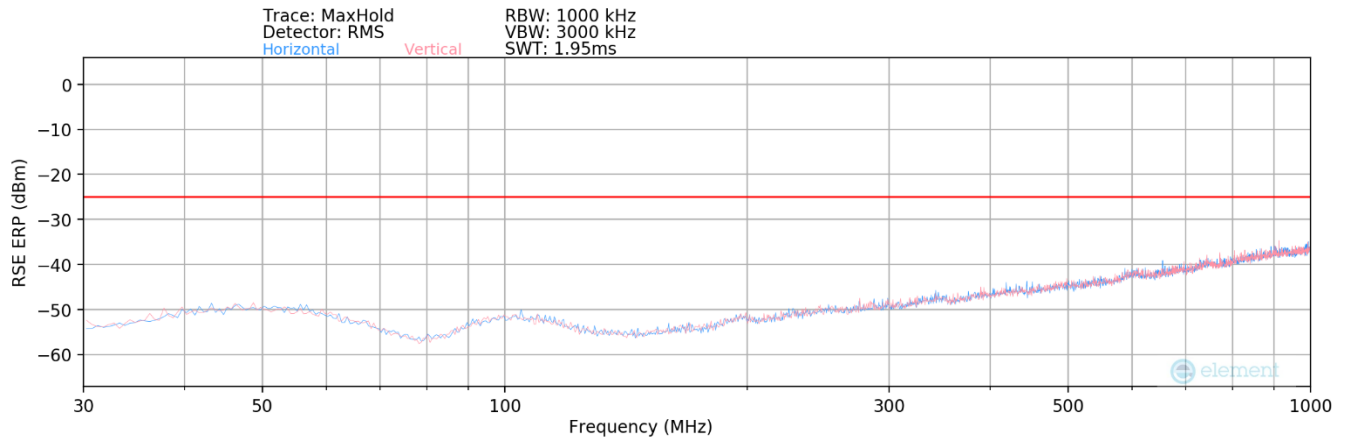
Bandwidth (MHz):	50
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

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]
274.75	H	-	-	-96.72	20.00	30.28	-67.13	-25.00	-42.13
544.10	H	-	-	-96.04	25.30	36.26	-61.15	-25.00	-36.15
966.23	H	-	-	-95.97	30.91	41.94	-55.47	-25.00	-30.47

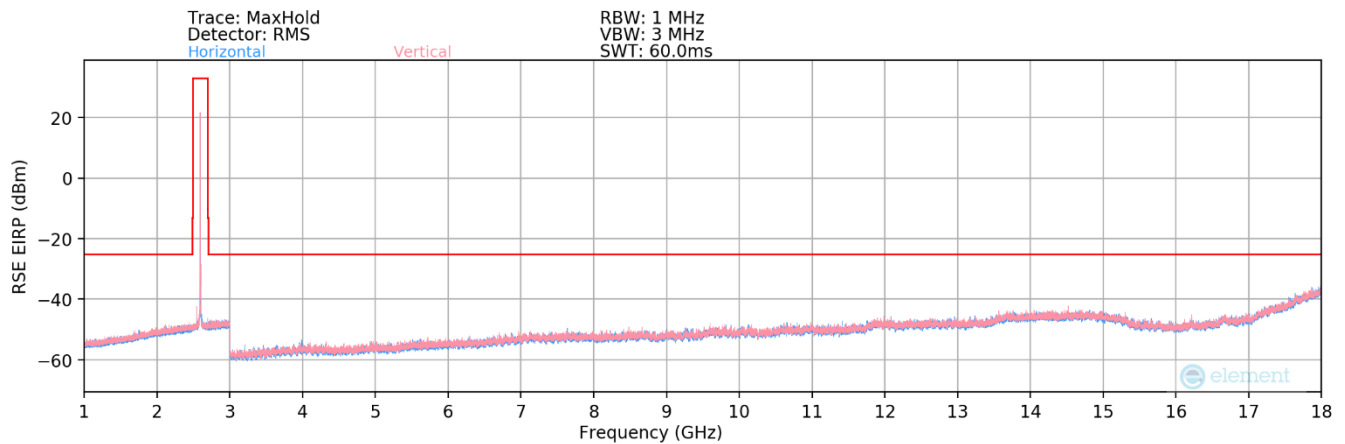
Table 7-80. Radiated Spurious Data (NR Band n7 – Mid Channel – Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT							Approved by: Technical Manager	
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset							Page 245 of 281

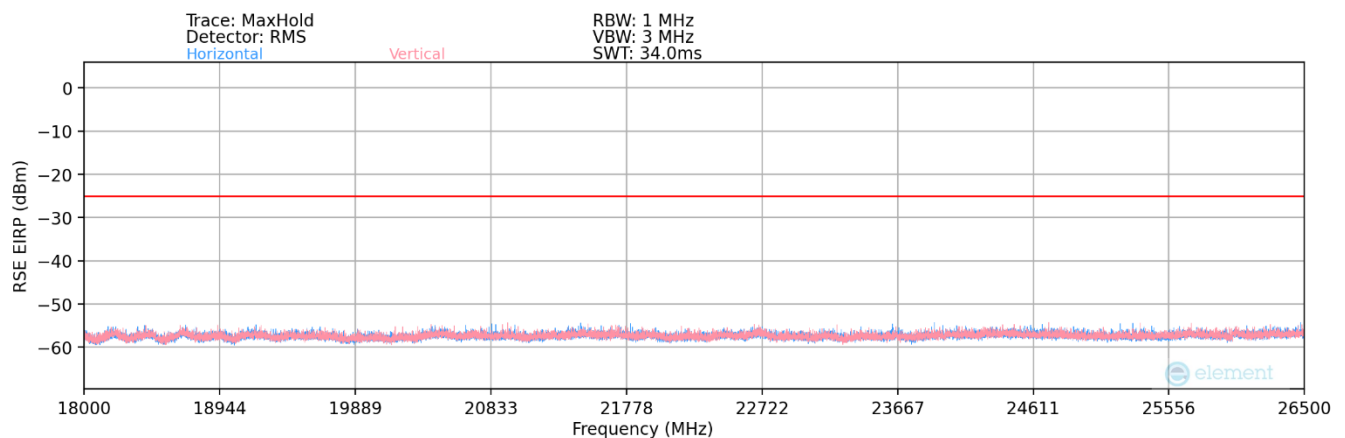
NR Band n41 – Ant F – Default



Plot 7-340. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-341. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-342. Radiated Spurious Plot (NR Band n41 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 246 of 281

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

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]
5092.02	H	137	110	-65.11	1.93	43.82	-51.44	-25.00	-26.44
7638.03	H	169	54	-75.45	7.24	38.79	-56.47	-25.00	-31.47
10184.04	H	-	-	-80.00	10.88	37.88	-57.38	-25.00	-32.38
12730.05	H	-	-	-80.19	14.22	41.03	-54.23	-25.00	-29.23
15276.06	H	-	-	-80.91	16.10	42.19	-53.07	-25.00	-28.07
20368.08	H	-	-	-52.46	-3.37	51.17	-53.63	-25.00	-28.63
22914.09	H	-	-	-52.08	-3.60	51.32	-53.48	-25.00	-28.48

Table 7-81. Radiated Spurious Data (NR Band n41 – Low Channel – Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
5185.98	H	123	114	-71.90	2.23	37.33	-57.93	-25.00	-32.93
7778.97	H	162	64	-74.23	7.42	40.19	-55.06	-25.00	-30.06
10371.96	H	-	-	-79.91	11.13	38.22	-57.04	-25.00	-32.04
12964.95	H	-	-	-79.71	14.06	41.35	-53.90	-25.00	-28.90
15557.94	H	-	-	-81.15	14.91	40.76	-54.49	-25.00	-29.49
18150.93	H	-	-	-51.35	-3.22	52.43	-52.37	-25.00	-27.37
20743.92	H	-	-	-52.43	-3.37	51.20	-53.60	-25.00	-28.60
23336.91	H	-	-	-51.82	-3.60	51.58	-53.22	-25.00	-28.22

Table 7-82. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	131	118	-63.47	2.23	45.76	-49.50	-25.00	-24.50
7920.00	H	177	42	-68.22	7.39	46.17	-49.08	-25.00	-24.08
10560.00	H	-	-	-79.11	11.35	39.24	-56.01	-25.00	-31.01
13200.00	H	-	-	-80.15	14.11	40.96	-54.29	-25.00	-29.29
15840.00	H	-	-	-80.54	13.91	40.37	-54.89	-25.00	-29.89
18480.00	H	-	-	-51.64	-3.41	51.95	-52.85	-25.00	-27.85
21120.00	H	-	-	-52.58	-3.46	50.96	-53.84	-25.00	-28.84
23760.00	H	-	-	-52.01	-3.47	51.52	-53.28	-25.00	-28.28

Table 7-83. Radiated Spurious Data (NR Band n41 – High Channel – Ant F)

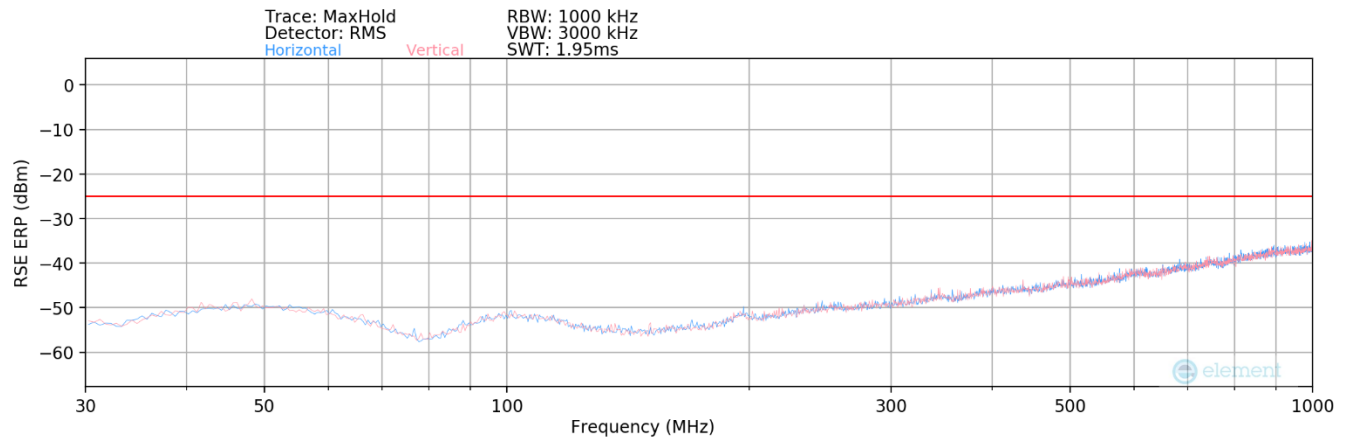
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
294.78	H	-	-	-96.83	20.45	30.62	-66.79	-25.00	-41.79
551.11	H	-	-	-95.97	25.50	36.53	-60.88	-25.00	-35.88
954.95	H	-	-	-95.95	30.78	41.83	-55.58	-25.00	-30.58

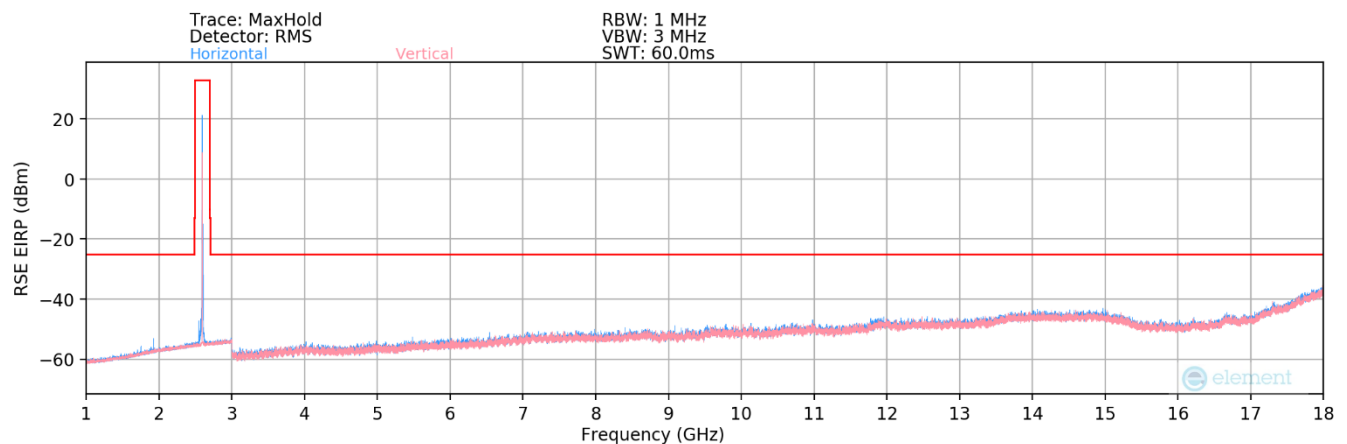
Table 7-84. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT							Approved by: Technical Manager	
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset							Page 247 of 281

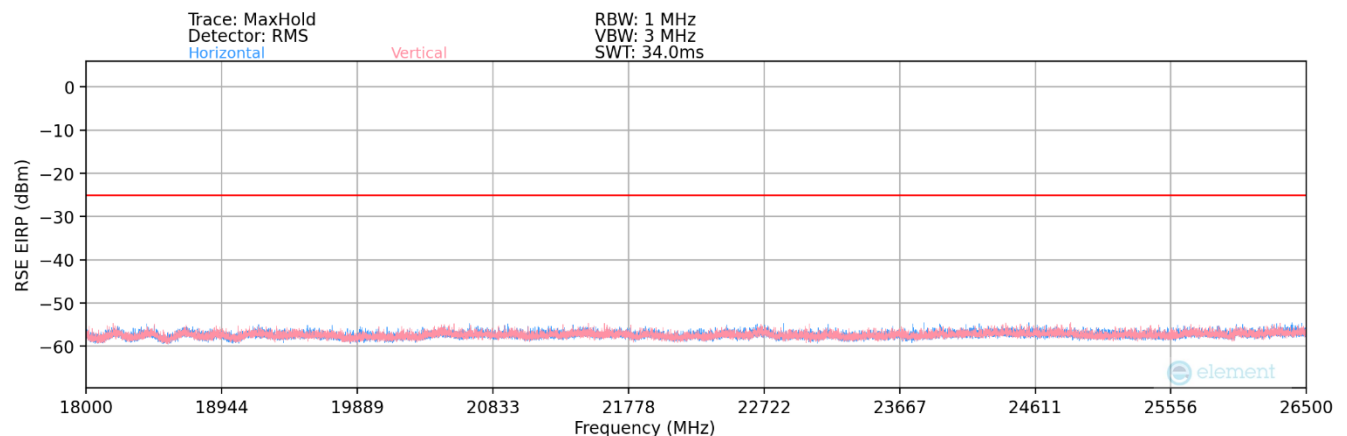
NR Band n41 – Ant B – Switching



Plot 7-343. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-344. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-345. Radiated Spurious Plot (NR Band n41 – Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 248 of 281

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

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]
5092.02	H	-	-	-69.15	1.94	39.79	-55.47	-25.00	-30.47
7638.03	H	-	-	-69.48	7.24	44.76	-50.49	-25.00	-25.49
10184.04	H	-	-	-71.03	11.57	47.54	-47.72	-25.00	-22.72
12730.05	H	-	-	-71.31	14.11	49.80	-45.46	-25.00	-20.46
15276.06	H	-	-	-71.58	17.01	52.43	-42.83	-25.00	-17.83

Table 7-85. Radiated Spurious Data (NR Band n41 – Low Channel – Ant B)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
5185.98	H	-	-	-68.64	2.20	40.56	-54.70	-25.00	-29.70
7778.97	H	-	-	-69.33	7.70	45.37	-49.88	-25.00	-24.88
10371.96	H	-	-	-71.04	11.96	47.92	-47.33	-25.00	-22.33
12964.95	H	-	-	-71.32	14.74	50.42	-44.83	-25.00	-19.83
15557.94	H	-	-	-71.64	15.42	50.78	-44.48	-25.00	-19.48

Table 7-86. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	-	-	-68.65	2.15	40.50	-54.76	-25.00	-29.76
7920.00	H	-	-	-69.86	7.68	44.82	-50.44	-25.00	-25.44
10560.00	H	-	-	-71.21	11.97	47.76	-47.50	-25.00	-22.50
13200.00	H	-	-	-71.38	14.36	49.98	-45.27	-25.00	-20.27
15840.00	H	-	-	-71.35	14.53	50.18	-45.08	-25.00	-20.08

Table 7-87. Radiated Spurious Data (NR Band n41 – High Channel – Ant B)

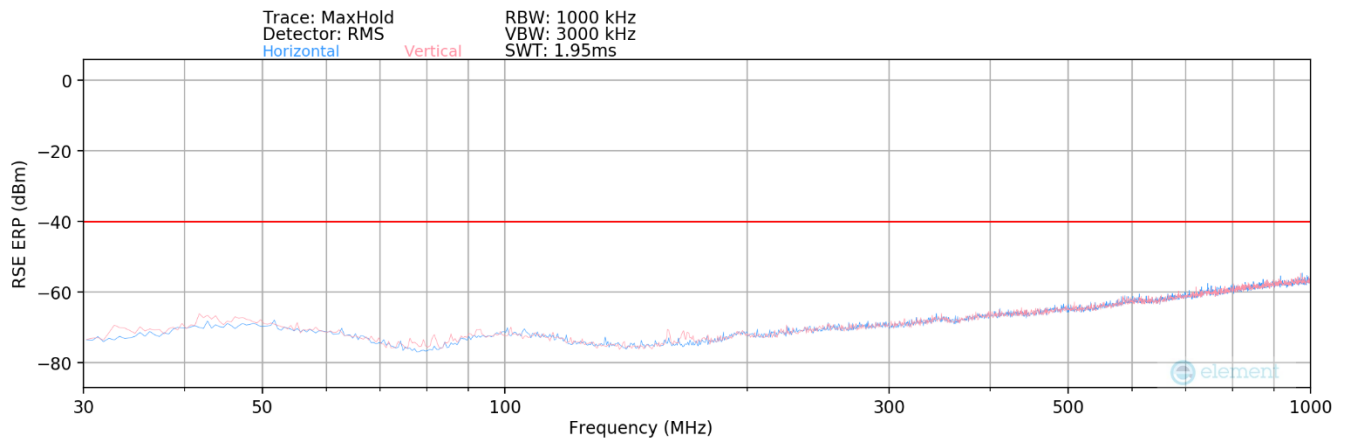
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1/108

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]
998.47	H	-	-	-78.56	31.51	59.95	-37.46	-25.00	-12.46

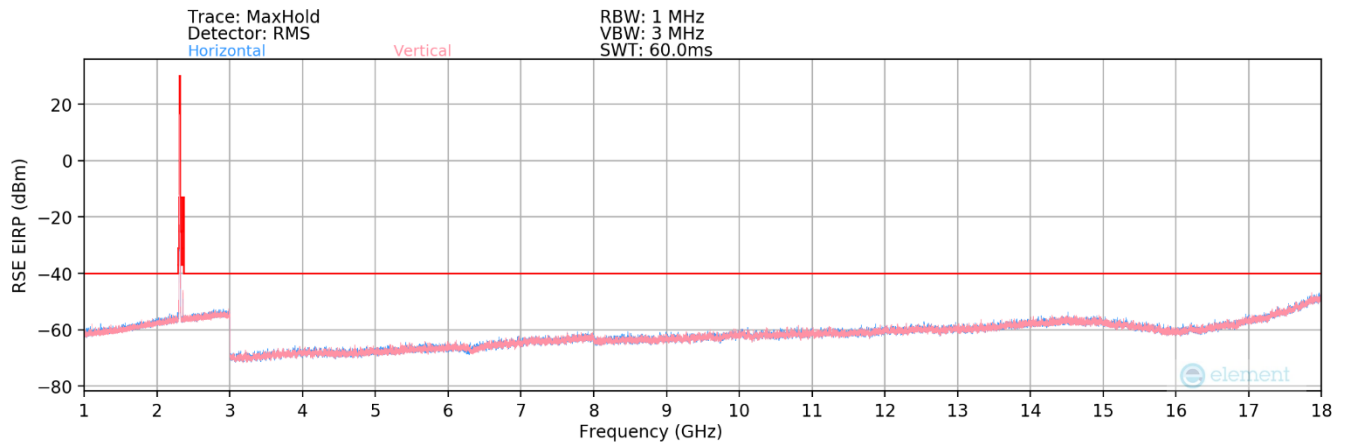
Table 7-88. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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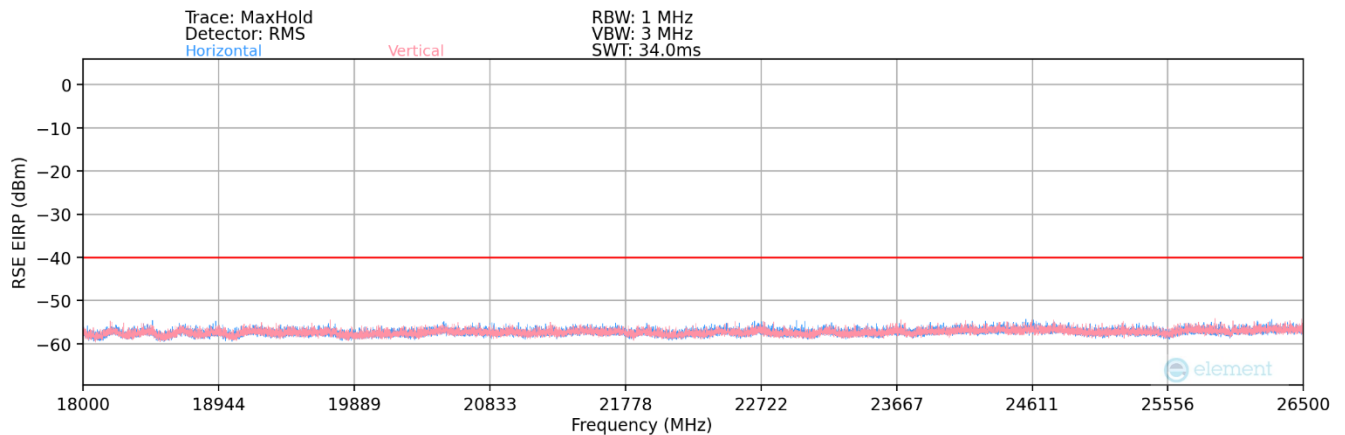
LTE Band 30 – Ant F



Plot 7-346. Radiated Spurious Plot (LTE Band 30 – Ant F)



Plot 7-347. Radiated Spurious Plot (LTE Band 30 – Ant F)



Plot 7-348. Radiated Spurious Plot (LTE Band 30 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 250 of 281

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
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]
4620.00	V	-	-	-77.01	1.23	31.22	-64.04	-40.00	-24.04
6930.00	V	-	-	-78.29	5.58	34.29	-60.96	-40.00	-20.96
9240.00	V	100	174	-75.26	9.51	41.25	-54.01	-40.00	-14.01
11550.00	V	-	-	-81.46	12.18	37.72	-57.54	-40.00	-17.54
13860.00	V	-	-	-81.73	15.89	41.16	-54.09	-40.00	-14.09
16170.00	V	-	-	-81.93	14.03	39.10	-56.16	-40.00	-16.16
18480.00	V	-	-	-51.86	-3.41	51.73	-53.07	-40.00	-13.07
20790.00	V	-	-	-52.04	-3.34	51.62	-53.18	-40.00	-13.18

Table 7-89. Radiated Spurious Data (LTE Band 30 – Mid Channel – Ant F)

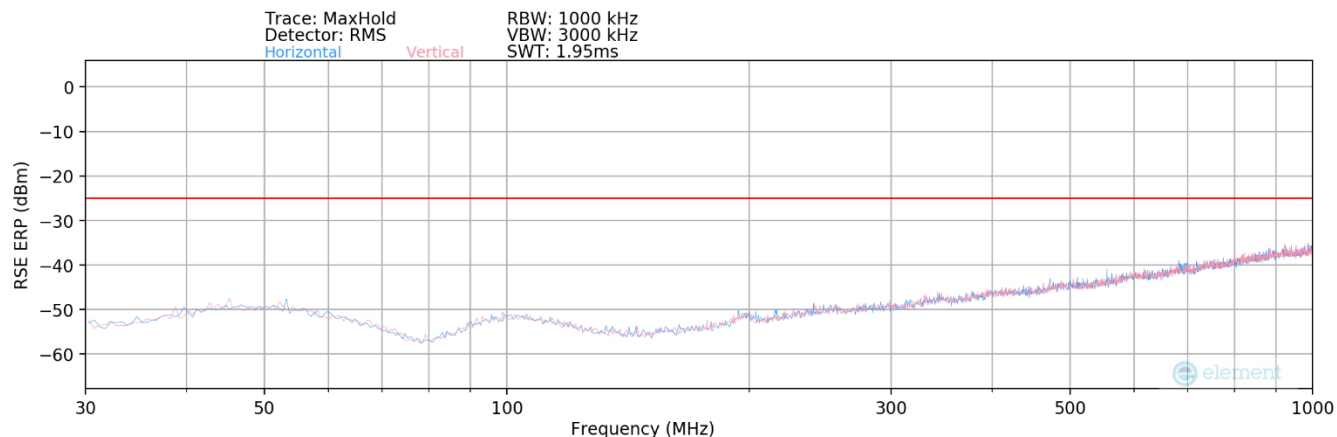
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/25

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]
279.91	V	-	-	-97.26	20.12	29.86	-67.54	-40.00	-27.54
667.03	V	-	-	-96.62	27.39	37.77	-59.64	-40.00	-19.64
951.90	V	-	-	-95.72	30.72	42.00	-55.41	-40.00	-15.41

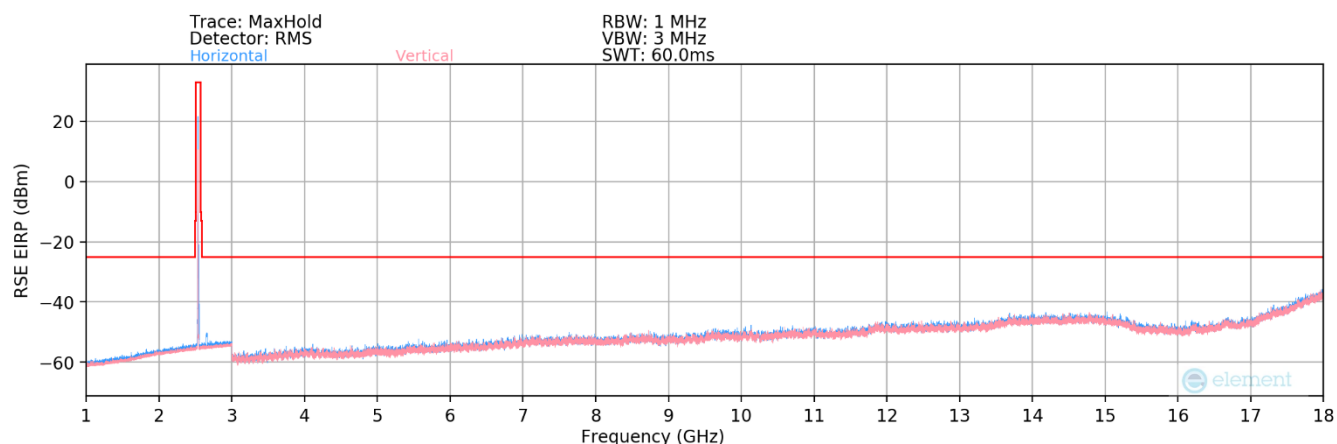
Table 7-90. Radiated Spurious Data (LTE Band 30 – Mid Channel – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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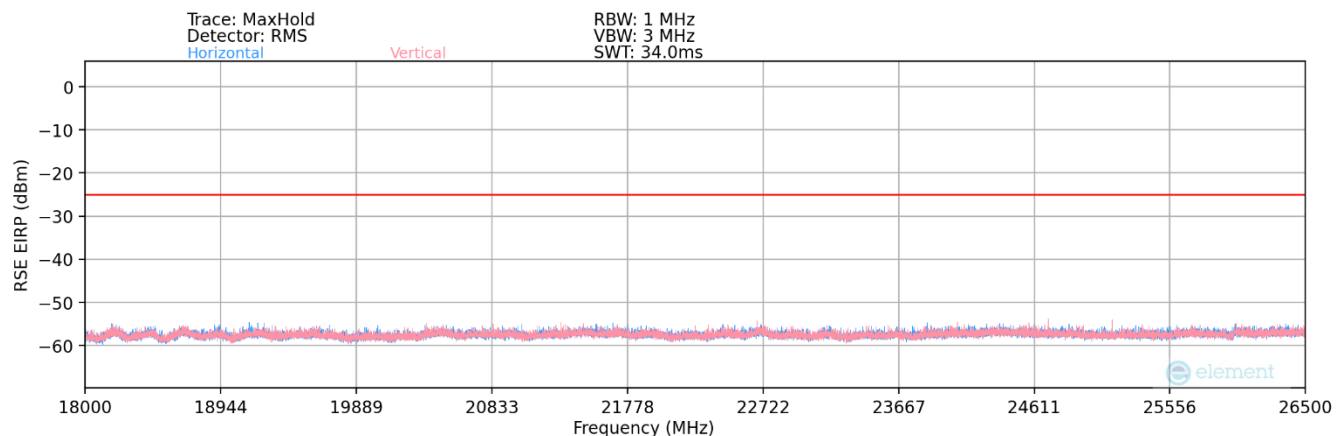
LTE Band 7 – Ant F



Plot 7-349. Radiated Spurious Plot (LTE Band 7 – Ant F)



Plot 7-350. Radiated Spurious Plot (LTE Band 7 – Ant F)



Plot 7-351. Radiated Spurious Plot (LTE Band 7 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	20
Frequency (MHz):	2510.0
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]
5020.00	H	-	-	-75.56	2.30	33.74	-61.51	-25.00	-36.51
7530.00	H	-	-	-77.18	7.01	36.83	-58.43	-25.00	-33.43
10040.00	H	-	-	-78.87	10.74	38.87	-56.39	-25.00	-31.39
20080.00	H	-	-	-52.78	-3.61	50.61	-54.19	-25.00	-29.19
22590.00	H	-	-	-53.42	-3.49	50.09	-54.71	-25.00	-29.71

Table 7-91. Radiated Spurious Data (LTE Band 7 – Low Channel – Ant F)

Bandwidth (MHz):	20
Frequency (MHz):	2535.0
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]
5070.00	H	-	-	-75.30	2.02	33.72	-61.54	-25.00	-36.54
7605.00	H	-	-	-77.38	7.04	36.66	-58.60	-25.00	-33.60
10140.00	H	-	-	-79.45	11.32	38.87	-56.39	-25.00	-31.39
20280.00	H	-	-	-52.71	-3.36	50.93	-53.87	-25.00	-28.87
22815.00	H	-	-	-51.84	-3.55	51.61	-53.19	-25.00	-28.19

Table 7-92. Radiated Spurious Data (LTE Band 7 – Mid Channel – Ant F)

Bandwidth (MHz):	20
Frequency (MHz):	2560.0
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]
5120.00	H	-	-	-75.01	1.99	33.98	-61.28	-25.00	-36.28
7680.00	H	-	-	-77.26	7.01	36.75	-58.51	-25.00	-33.51
10240.00	H	-	-	-79.54	11.46	38.92	-56.34	-25.00	-31.34
20480.00	H	-	-	-52.47	-3.19	51.34	-53.46	-25.00	-28.46
23040.00	H	-	-	-52.28	-3.57	51.15	-53.65	-25.00	-28.65

Table 7-93. Radiated Spurious Data (LTE Band 7 – High Channel – Ant F)

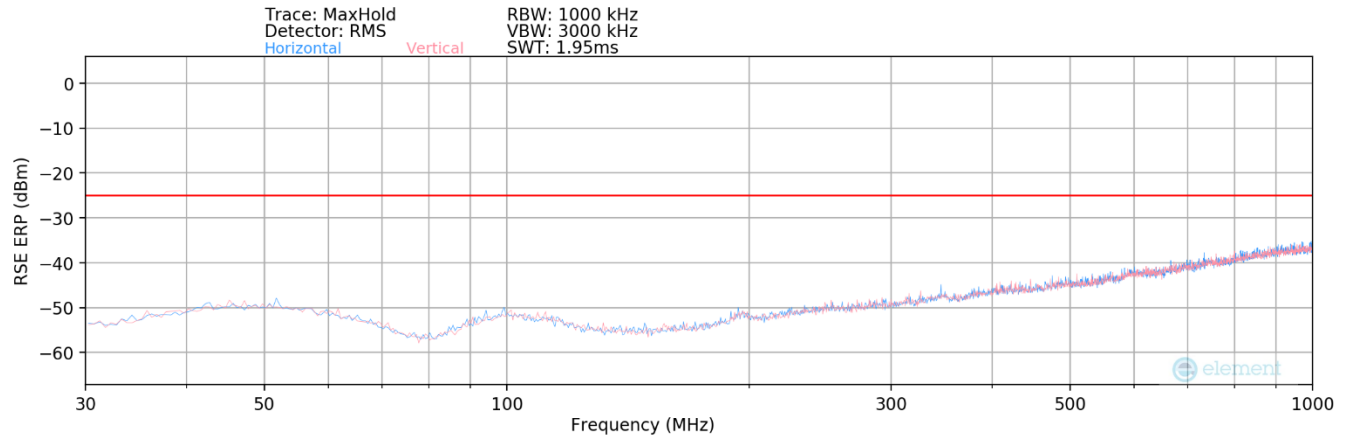
Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

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]
297.44	H	-	-	-97.04	20.45	30.41	-66.99	-25.00	-41.99
635.47	H	-	-	-96.65	26.80	37.15	-60.26	-25.00	-35.26
974.98	H	-	-	-95.57	31.09	42.52	-54.88	-25.00	-29.88

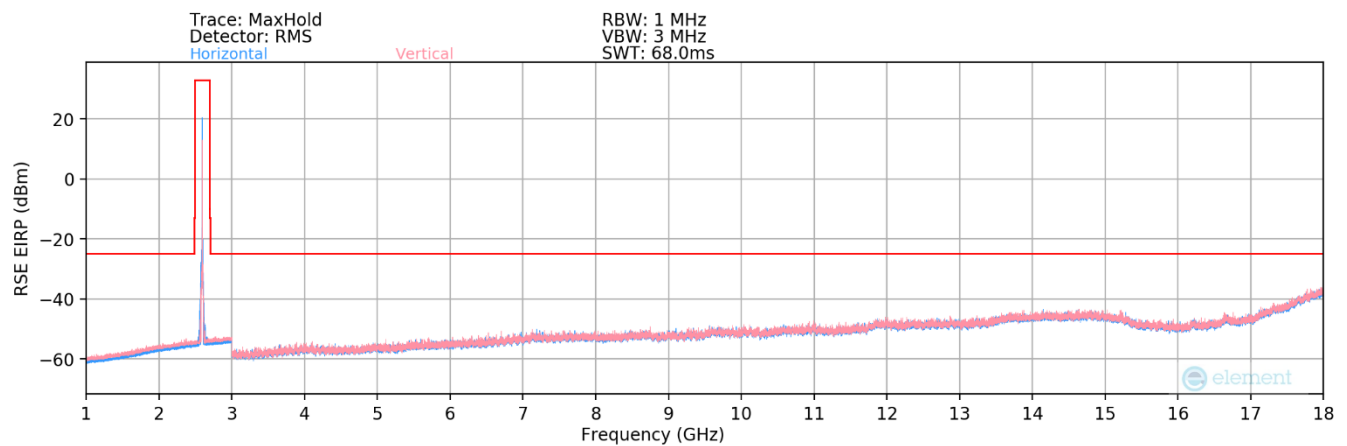
Table 7-94. Radiated Spurious Data (LTE Band 7 – Mid Channel – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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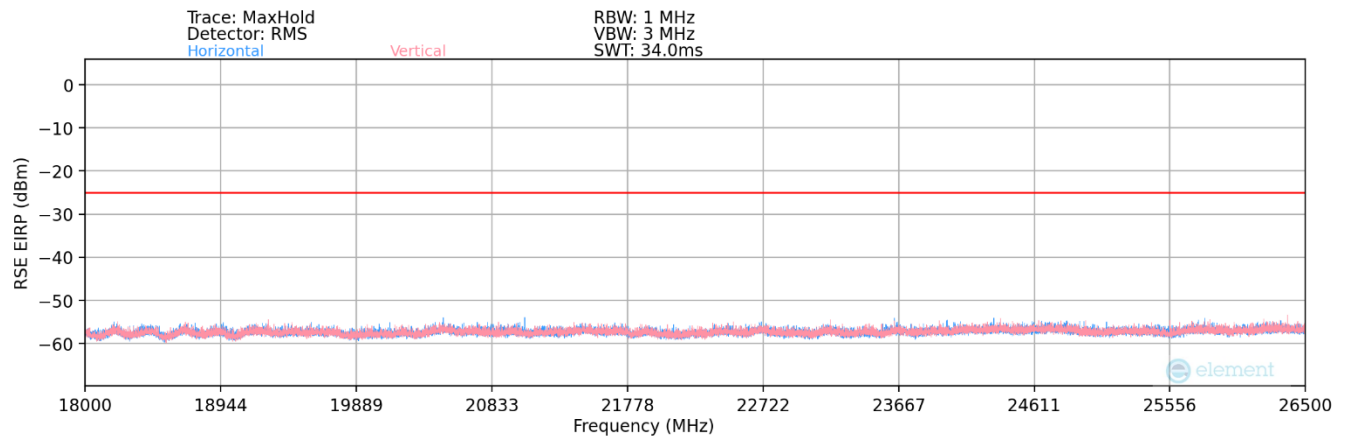
LTE Band 41(PC3)/38 – Ant F



Plot 7-352. Radiated Spurious Plot (LTE Band 41(PC3)/38 – Ant F)



Plot 7-353. Radiated Spurious Plot (LTE Band 41(PC3)/38 – Ant F)



Plot 7-354. Radiated Spurious Plot (LTE Band 41(PC3)/38 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 254 of 281

Bandwidth (MHz):	20
Frequency (MHz):	2506.0
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]
5012.00	H	-	-	-75.67	2.41	33.74	-61.52	-25.00	-36.52
7518.00	H	-	-	-77.50	6.93	36.43	-58.83	-25.00	-33.83
10024.00	H	-	-	-79.32	10.94	38.62	-56.64	-25.00	-31.64
20048.00	H	-	-	-53.31	-3.63	50.06	-54.74	-25.00	-29.74
22554.00	H	-	-	-52.42	-3.50	51.08	-53.72	-25.00	-28.72

Table 7-95. Radiated Spurious Data (LTE Band 41(PC3)/38 – Low Channel – Ant F)

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
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]
5186.00	H	-	-	-75.54	2.23	33.69	-61.57	-25.00	-36.57
7779.00	H	-	-	-77.72	7.42	36.70	-58.55	-25.00	-33.55
10372.00	H	-	-	-79.72	11.13	38.41	-56.85	-25.00	-31.85
18151.00	H	-	-	-52.68	-3.22	51.10	-44.16	-25.00	-19.16
20744.00	H	-	-	-52.42	-3.37	51.21	-53.59	-25.00	-28.59
23337.00	H	-	-	-52.26	-3.60	51.14	-53.66	-25.00	-28.66

Table 7-96. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant F)

Bandwidth (MHz):	20
Frequency (MHz):	2680.0
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]
5360.00	H	-	-	-76.25	3.12	33.87	-61.39	-25.00	-36.39
8040.00	H	-	-	-77.88	7.42	36.54	-58.71	-25.00	-33.71
10720.00	H	-	-	-79.26	11.57	39.31	-55.94	-25.00	-30.94
18760.00	H	-	-	-52.74	-3.25	51.01	-44.25	-25.00	-19.25
21440.00	H	-	-	-52.59	-3.23	51.18	-53.62	-25.00	-28.62
24120.00	H	-	-	-52.36	-3.21	51.43	-53.37	-25.00	-28.37

Table 7-97. Radiated Spurious Data (LTE Band 41(PC3)/38 – High Channel – Ant F)

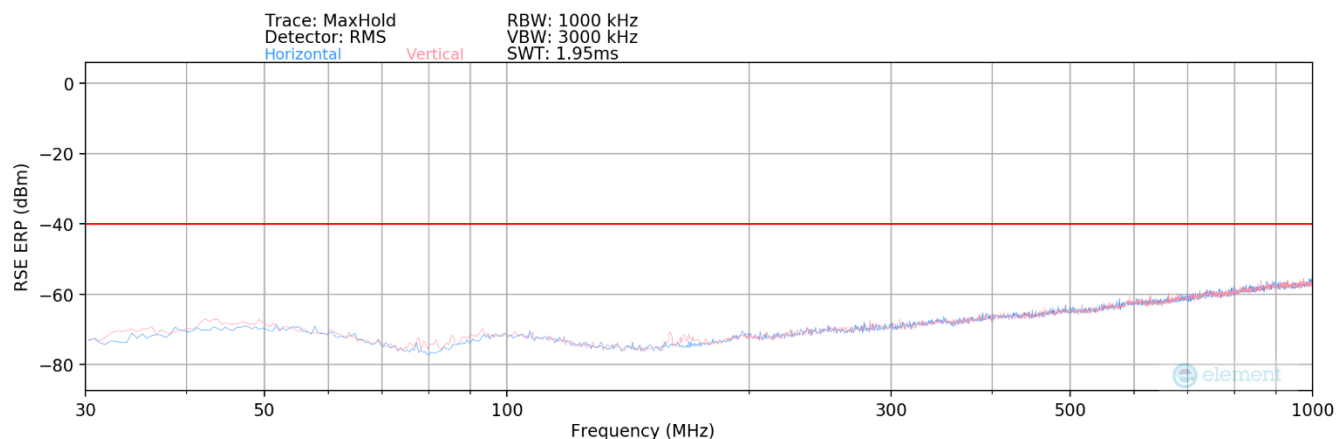
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/25

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]
280.71	H	-	-	-96.85	20.16	30.31	-67.10	-25.00	-42.10
679.82	H	-	-	-96.57	27.71	38.14	-59.26	-25.00	-34.26
915.64	H	-	-	-95.72	30.74	42.02	-55.39	-25.00	-30.39

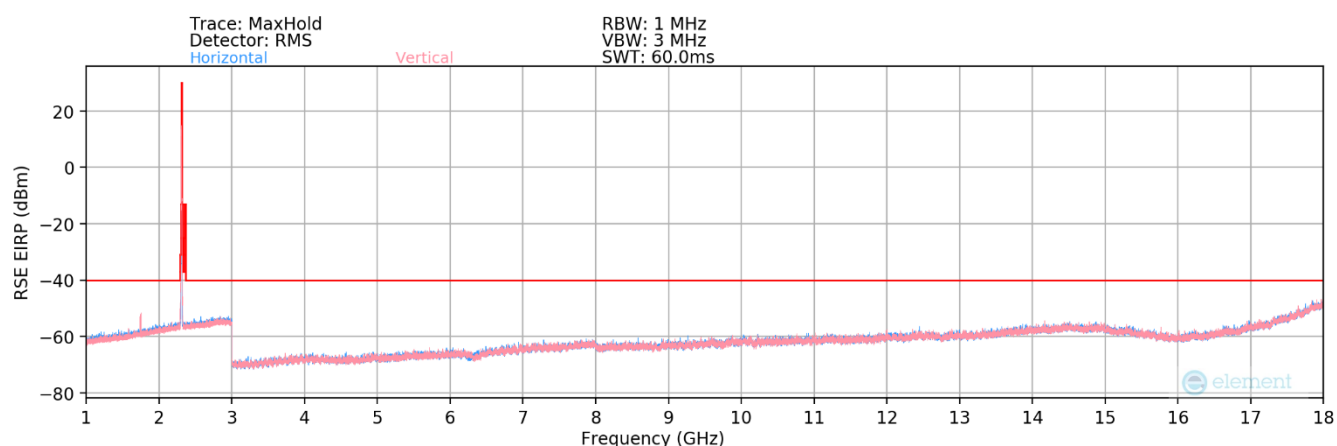
Table 7-98. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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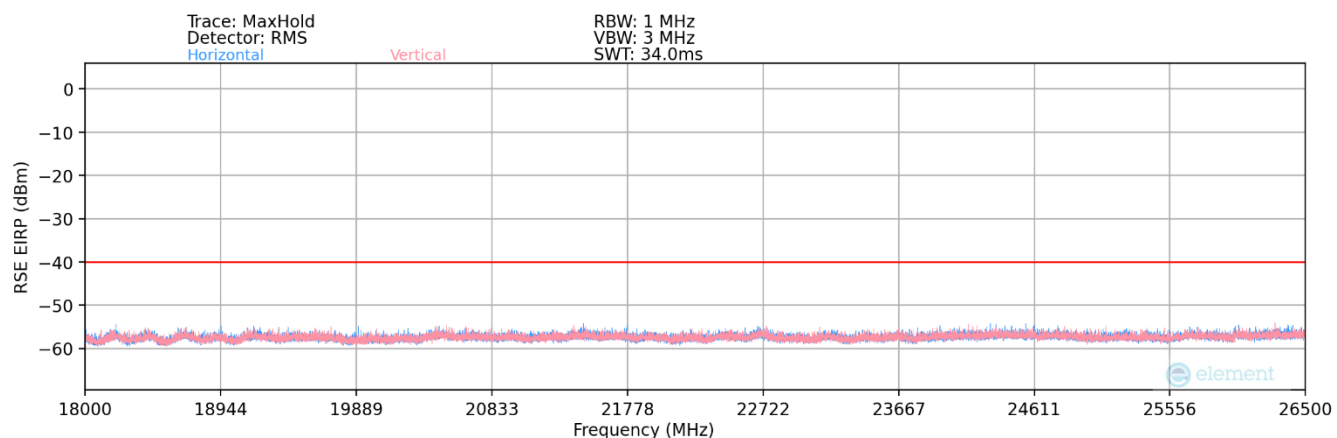
NR Band n30 – Ant F



Plot 7-355. Radiated Spurious Plot (NR Band n30 – Ant F)



Plot 7-356. Radiated Spurious Plot (NR Band n30 – Ant F)



Plot 7-357. Radiated Spurious Plot (NR Band n30 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 256 of 281

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

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]
4620.00	H	-	-	-76.53	1.23	31.70	-63.56	-40.00	-23.56
6930.00	H	-	-	-77.61	5.58	34.97	-60.28	-40.00	-20.28
9240.00	H	-	-	-79.13	9.51	37.38	-57.88	-40.00	-17.88
18480.00	H	-	-	-52.51	-3.41	51.08	-53.72	-40.00	-13.72
20790.00	H	-	-	-53.24	-3.34	50.42	-54.38	-40.00	-14.38

Table 7-99. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant F)

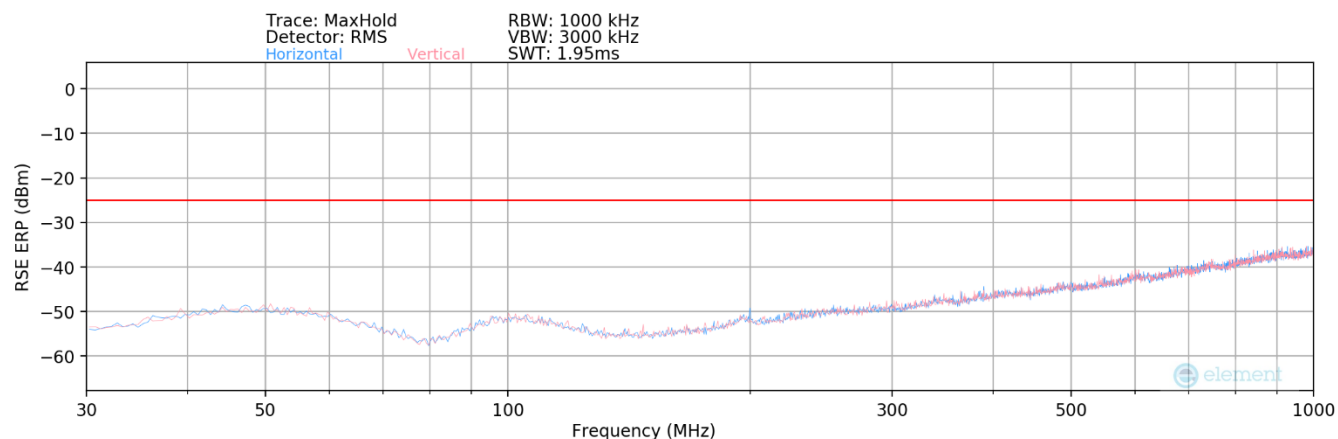
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/26

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]
268.49	H	-	-	-96.49	19.76	30.27	-67.13	-40.00	-27.13
525.76	H	-	-	-96.07	24.92	35.85	-61.56	-40.00	-21.56
985.86	H	-	-	-95.95	31.13	42.18	-55.23	-40.00	-15.23

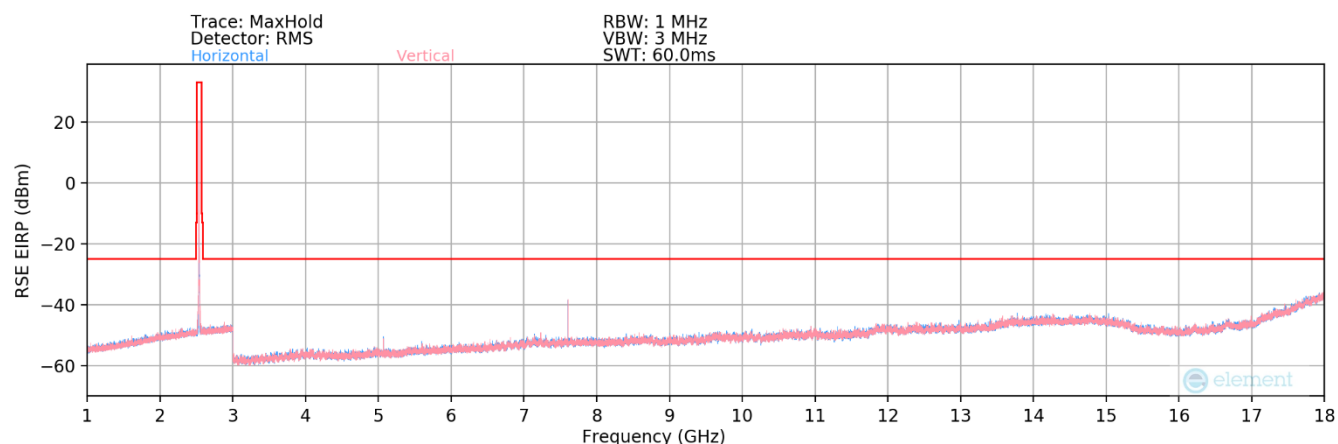
Table 7-100. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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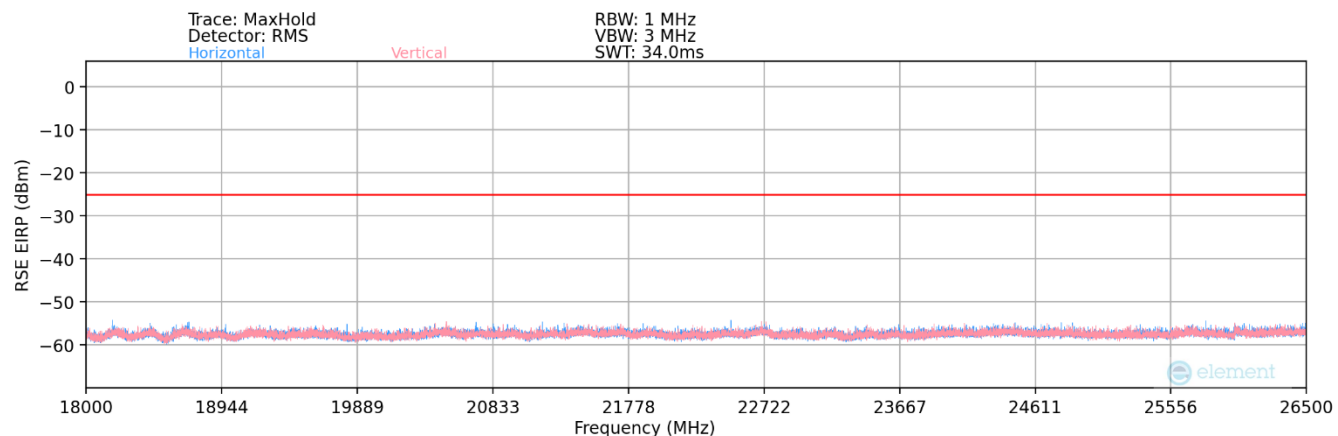
NR Band n7 – Ant F



Plot 7-358. Radiated Spurious Plot (NR Band n7 – Ant F)



Plot 7-359. Radiated Spurious Plot (NR Band n7 – Ant F)



Plot 7-360. Radiated Spurious Plot (NR Band n7 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	50
Frequency (MHz):	2525.0
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]
5050.00	V	173	17	-71.02	2.36	38.34	-56.92	-25.00	-31.92
7575.00	V	138	354	-53.20	7.05	60.85	-34.41	-25.00	-9.41
10100.00	V	-	-	-79.63	11.00	38.37	-56.89	-25.00	-31.89
12625.00	V	164	32	-76.64	13.89	44.25	-51.01	-25.00	-26.01
15150.00	V	-	-	-80.11	16.09	42.98	-52.28	-25.00	-27.28
17675.00	V	-	-	-80.70	22.50	48.80	-46.46	-25.00	-21.46

Table 7-101. Radiated Spurious Data (NR Band n7 – Low Channel – Ant F)

Bandwidth (MHz):	50
Frequency (MHz):	2535.0
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]
5070.00	V	148	22	-70.51	2.02	38.51	-56.75	-25.00	-31.75
7605.00	V	137	356	-53.03	7.04	61.01	-34.25	-25.00	-9.25
10140.00	V	-	-	-79.58	11.32	38.74	-56.52	-25.00	-31.52
12675.00	V	163	28	-76.82	14.26	44.44	-50.81	-25.00	-25.81
15210.00	V	-	-	-80.15	16.04	42.89	-52.36	-25.00	-27.36
17745.00	V	-	-	-80.27	23.48	50.21	-54.59	-25.00	-29.59
20280.00	V	-	-	-52.94	-3.36	50.70	-54.10	-25.00	-29.10
22815.00	V	-	-	-52.78	-3.55	50.67	-54.13	-25.00	-29.13

Table 7-102. Radiated Spurious Data (NR Band n7 – Mid Channel – Ant F)

Bandwidth (MHz):	50
Frequency (MHz):	2545.0
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]
5090.00	V	134	20	-67.03	1.97	41.94	-53.31	-25.00	-28.31
7635.00	V	142	356	-59.87	7.19	54.32	-40.93	-25.00	-15.93
10180.00	V	-	-	-79.77	10.62	37.85	-57.41	-25.00	-32.41
12725.00	V	-	-	-80.07	13.96	40.89	-54.36	-25.00	-29.36
15270.00	V	-	-	-80.97	16.20	42.23	-53.03	-25.00	-28.03
17815.00	V	-	-	-80.75	25.54	51.79	-53.01	-25.00	-28.01

Table 7-103. Radiated Spurious Data (NR Band n7 – High Channel – Ant F)

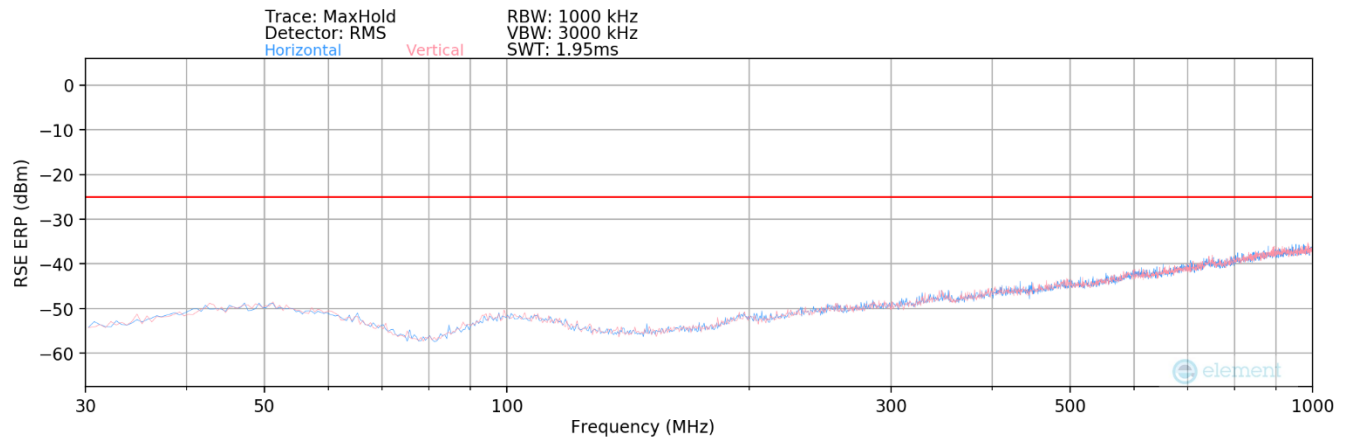
Bandwidth (MHz):	50
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

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]
269.61	V	-	-	-96.74	19.79	30.05	-67.36	-25.00	-42.36
557.91	V	-	-	-96.05	25.67	36.62	-60.79	-25.00	-35.79
990.19	V	-	-	-95.96	31.22	42.26	-55.15	-25.00	-30.15

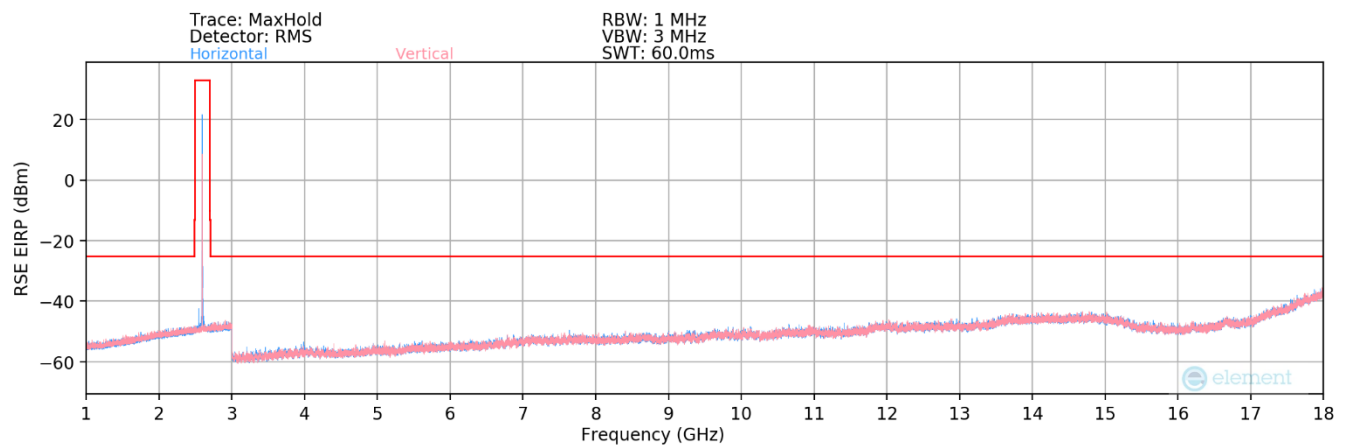
Table 7-104. Radiated Spurious Data (NR Band n7 – Mid Channel – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT							Approved by: Technical Manager	
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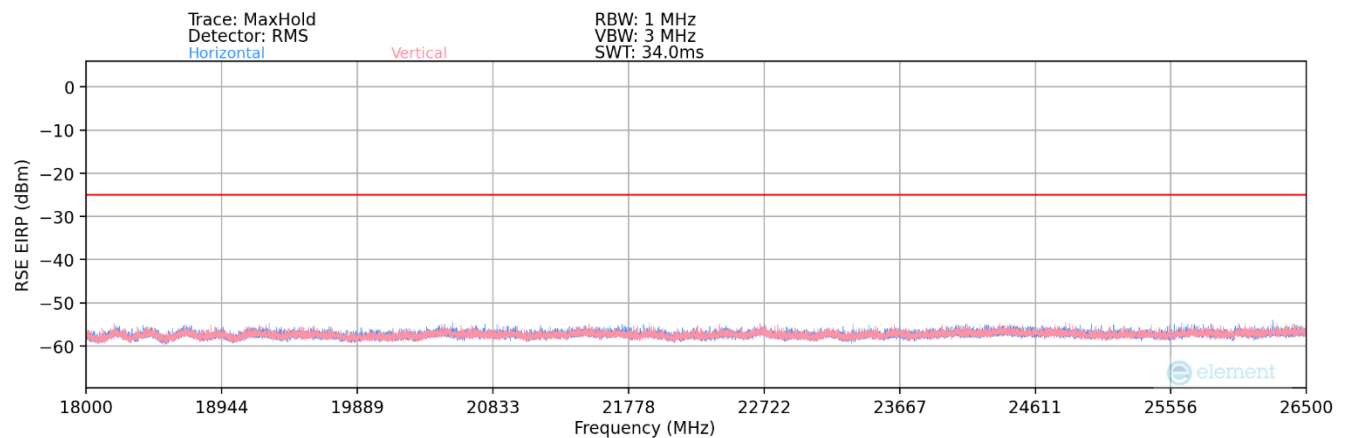
NR Band n41 – Ant B – Default



Plot 7-361. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-362. Radiated Spurious Plot (NR Band n41 – Ant B)



Plot 7-363. Radiated Spurious Plot (NR Band n41 – Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

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]
5092.02	H	-	-	-75.45	1.93	33.48	-61.78	-25.00	-36.78
7638.03	H	-	-	-76.94	7.24	37.30	-57.96	-25.00	-32.96
10184.04	H	-	-	-79.96	10.88	37.92	-57.34	-25.00	-32.34

Table 7-105. Radiated Spurious Data (NR Band n41 – Low Channel – Ant B)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
5185.98	H	-	-	-75.56	2.23	33.67	-61.59	-25.00	-36.59
7778.97	H	-	-	-77.81	7.42	36.61	-58.64	-25.00	-33.64
10371.96	H	-	-	-79.78	11.13	38.35	-56.91	-25.00	-31.91
18150.93	H	-	-	-51.41	-3.22	52.37	-52.43	-25.00	-27.43
20743.92	H	-	-	-51.89	-3.37	51.74	-53.06	-25.00	-28.06
23336.91	H	-	-	-51.94	-3.60	51.46	-53.34	-25.00	-28.34

Table 7-106. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	-	-	-75.52	2.23	33.71	-61.55	-25.00	-36.55
7920.00	H	-	-	-77.51	7.39	36.88	-58.37	-25.00	-33.37
10560.00	H	-	-	-79.22	11.35	39.13	-56.12	-25.00	-31.12

Table 7-107. Radiated Spurious Data (NR Band n41 – High Channel – Ant B)

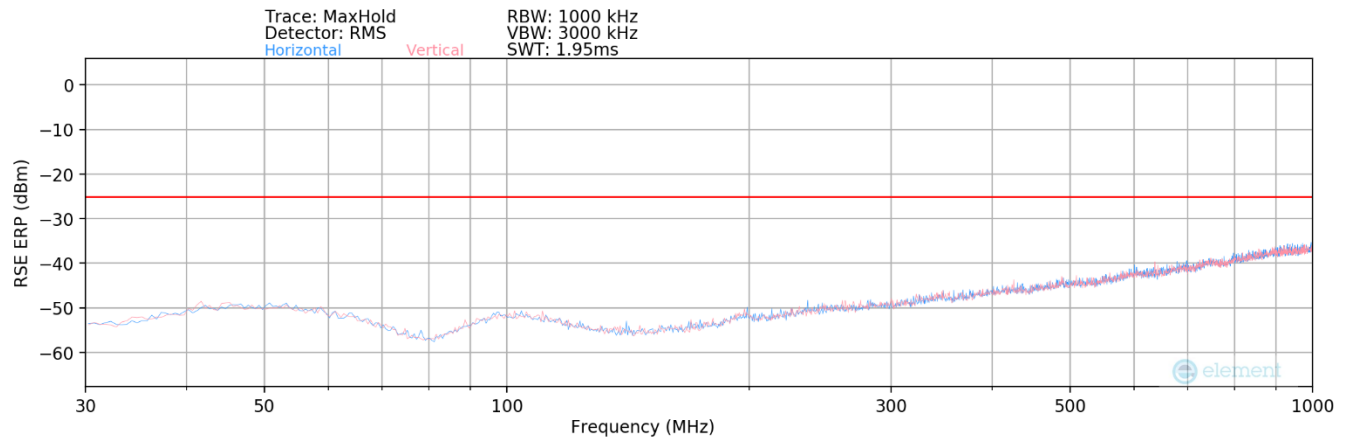
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
274.06	H	-	-	-96.74	19.97	30.23	-67.18	-25.00	-42.18
551.93	H	-	-	-95.86	25.52	36.66	-60.75	-25.00	-35.75
822.95	H	-	-	-95.96	29.65	40.69	-56.72	-25.00	-31.72

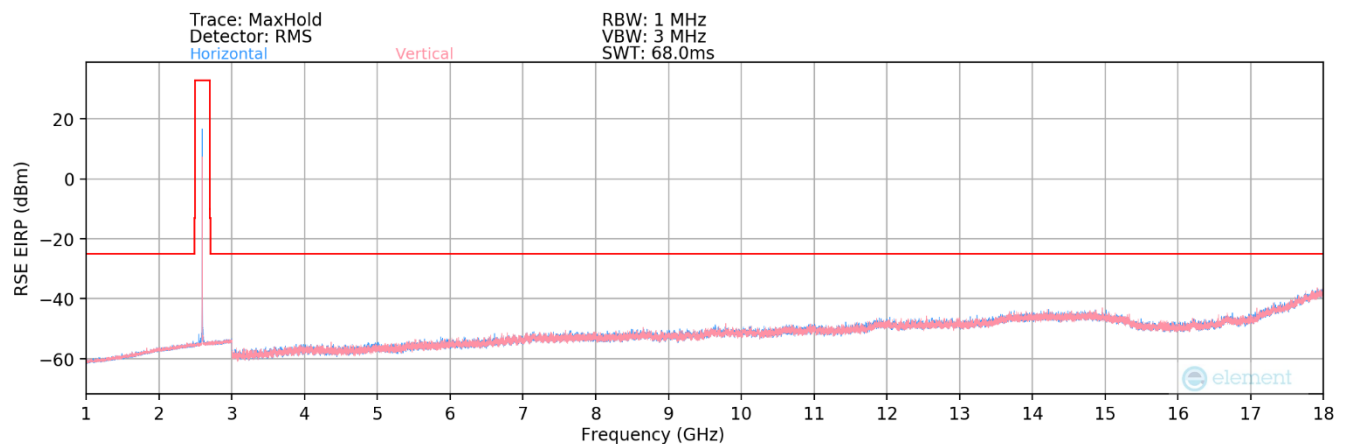
Table 7-108. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset		Page 261 of 281

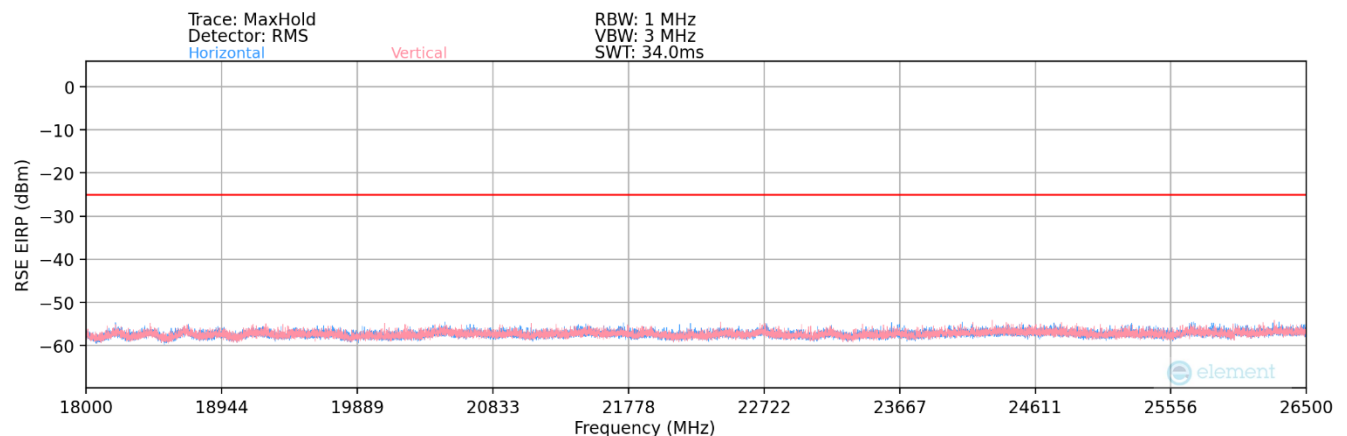
NR Band n41 – Ant F – Switching



Plot 7-364. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-365. Radiated Spurious Plot (NR Band n41 – Ant F)



Plot 7-366. Radiated Spurious Plot (NR Band n41 – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 262 of 281

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

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]
5092.02	H	-	-	-75.49	1.93	33.44	-61.82	-25.00	-36.82
7638.03	H	-	-	-76.99	7.24	37.25	-58.01	-25.00	-33.01
10184.04	H	-	-	-79.99	10.88	37.89	-57.37	-25.00	-32.37

Table 7-109. Radiated Spurious Data (NR Band n41 – Low Channel – Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
5185.98	H	-	-	-75.48	2.23	33.75	-61.51	-25.00	-36.51
7778.97	H	-	-	-77.68	7.42	36.74	-58.51	-25.00	-33.51
10371.96	H	-	-	-79.78	11.13	38.35	-56.91	-25.00	-31.91

Table 7-110. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	-	-	-75.94	2.23	33.29	-61.97	-25.00	-36.97
7920.00	H	-	-	-77.51	7.39	36.88	-58.37	-25.00	-33.37
10560.00	H	-	-	-79.03	11.35	39.32	-55.93	-25.00	-30.93

Table 7-111. Radiated Spurious Data (NR Band n41 – High Channel – Ant F)

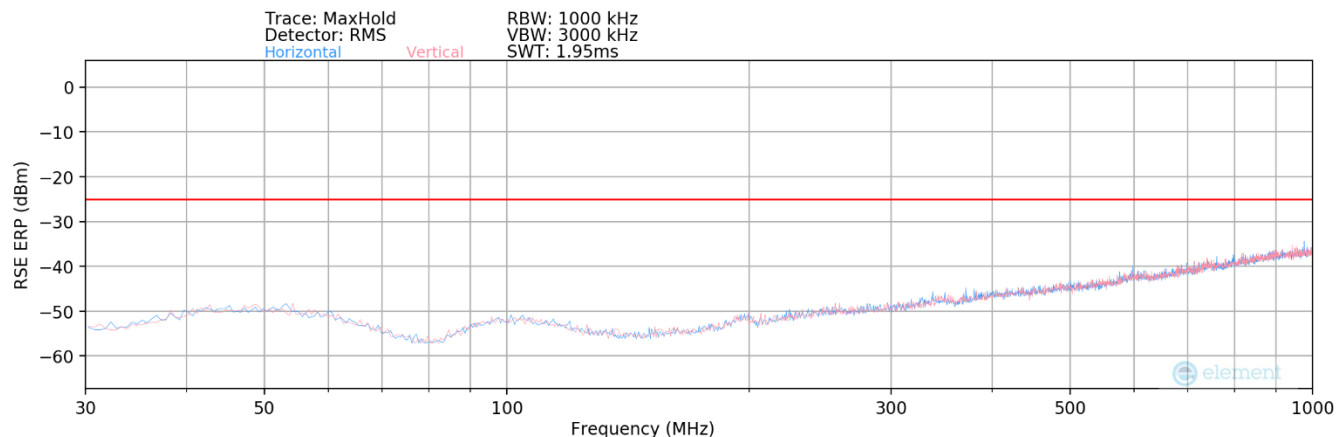
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
295.20	H	-	-	-96.75	20.45	30.70	-66.70	-25.00	-41.70
552.76	H	-	-	-95.93	25.54	36.61	-60.80	-25.00	-35.80
992.66	H	-	-	-95.76	31.28	42.52	-54.89	-25.00	-29.89

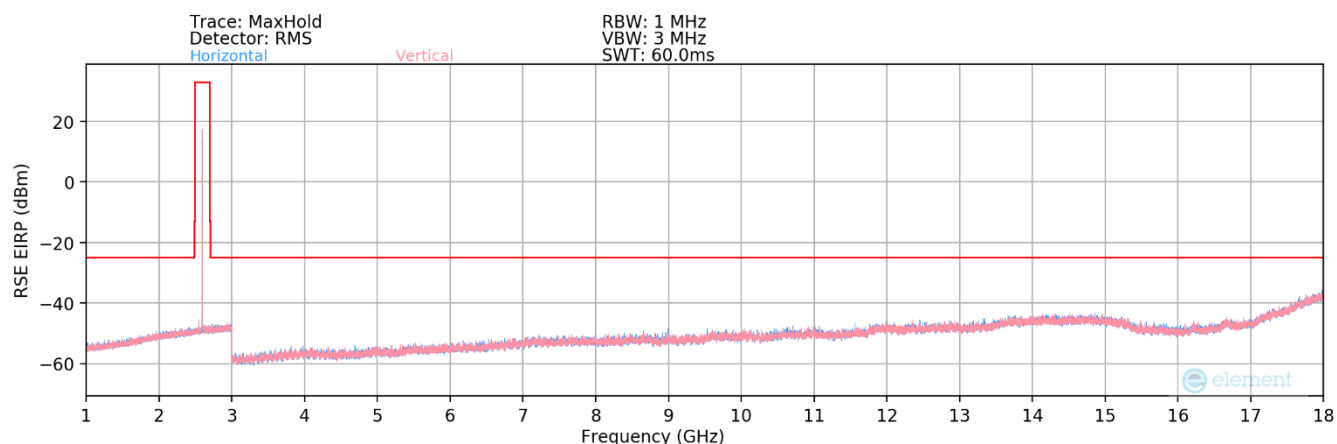
Table 7-112. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant F)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 263 of 281

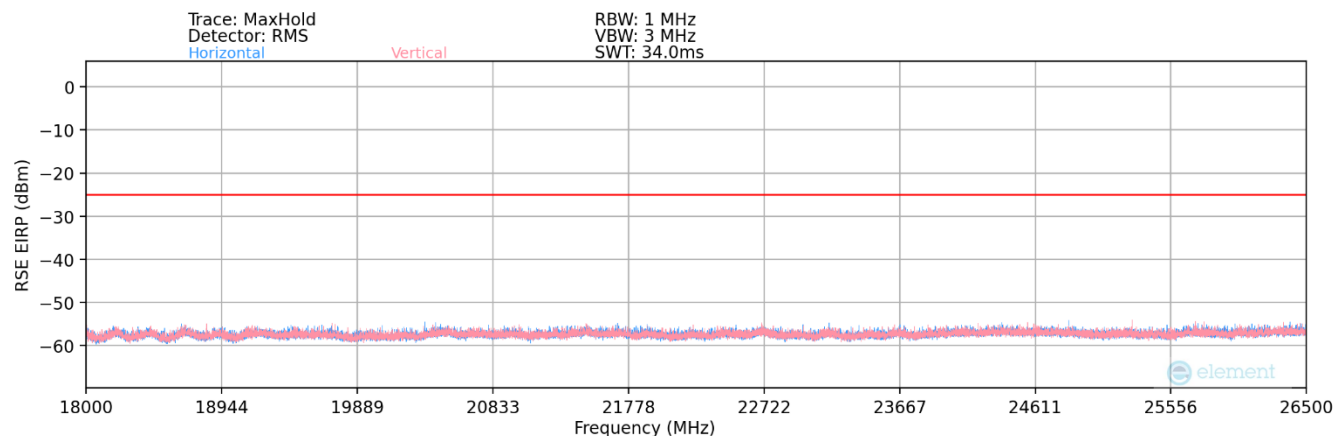
NR Band n41 – Ant E – Default



Plot 7-367. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-368. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-369. Radiated Spurious Plot (NR Band n41 – Ant E)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 264 of 281

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

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]
5092.02	H	131	316	-68.70	1.93	40.23	-55.03	-25.00	-30.03
7638.03	H	-	-	-76.86	7.24	37.38	-57.88	-25.00	-32.88
10184.04	H	-	-	-80.15	10.88	37.73	-57.53	-25.00	-32.53
12730.05	H	-	-	-80.28	14.22	40.94	-54.32	-25.00	-29.32

Table 7-113. Radiated Spurious Data (NR Band n41 – Low Channel – Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
5185.98	H	127	317	-73.92	2.23	35.31	-59.95	-25.00	-34.95
7778.97	H	-	-	-77.56	7.42	36.86	-58.39	-25.00	-33.39
10371.96	H	-	-	-79.84	11.13	38.29	-56.97	-25.00	-31.97
12964.95	H	-	-	-79.52	14.06	41.54	-53.71	-25.00	-28.71
18150.93	H	-	-	-51.89	-3.22	51.89	-52.91	-25.00	-27.91
20743.92	H	-	-	-52.29	-3.37	51.34	-53.46	-25.00	-28.46
23336.91	H	-	-	-51.93	-3.60	51.47	-53.33	-25.00	-28.33

Table 7-114. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	-	-	-75.95	2.23	33.28	-61.98	-25.00	-36.98
7920.00	H	-	-	-77.56	7.39	36.83	-58.42	-25.00	-33.42
10560.00	H	-	-	-79.17	11.35	39.18	-56.07	-25.00	-31.07
13200.00	H	-	-	-80.18	14.11	40.93	-54.32	-25.00	-29.32

Table 7-115. Radiated Spurious Data (NR Band n41 – High Channel – Ant E)

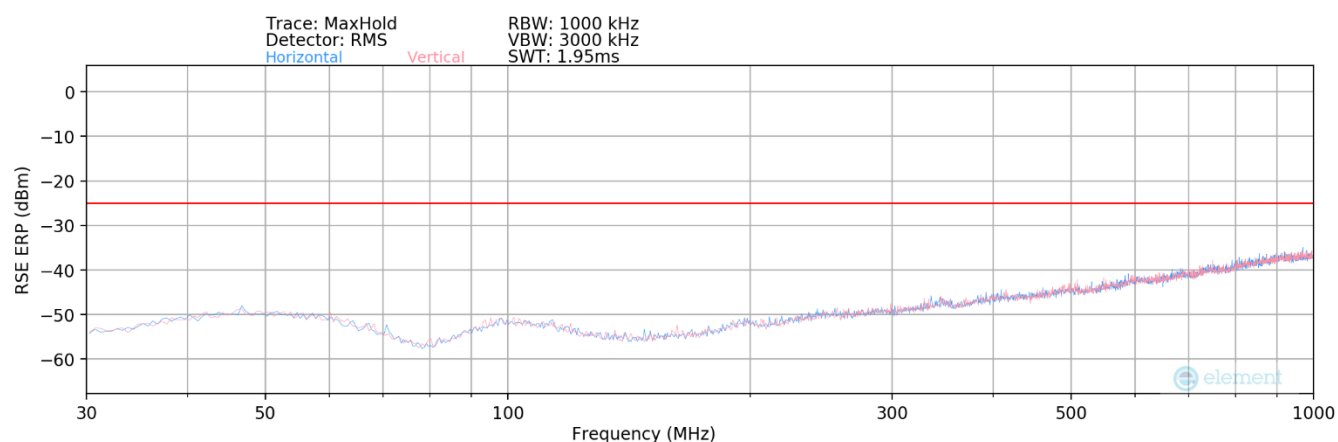
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
290.61	H	-	-	-96.64	20.36	30.72	-66.68	-25.00	-41.68
549.05	H	-	-	-96.11	25.45	36.34	-61.07	-25.00	-36.07
973.49	H	-	-	-95.82	31.06	42.24	-55.17	-25.00	-30.17

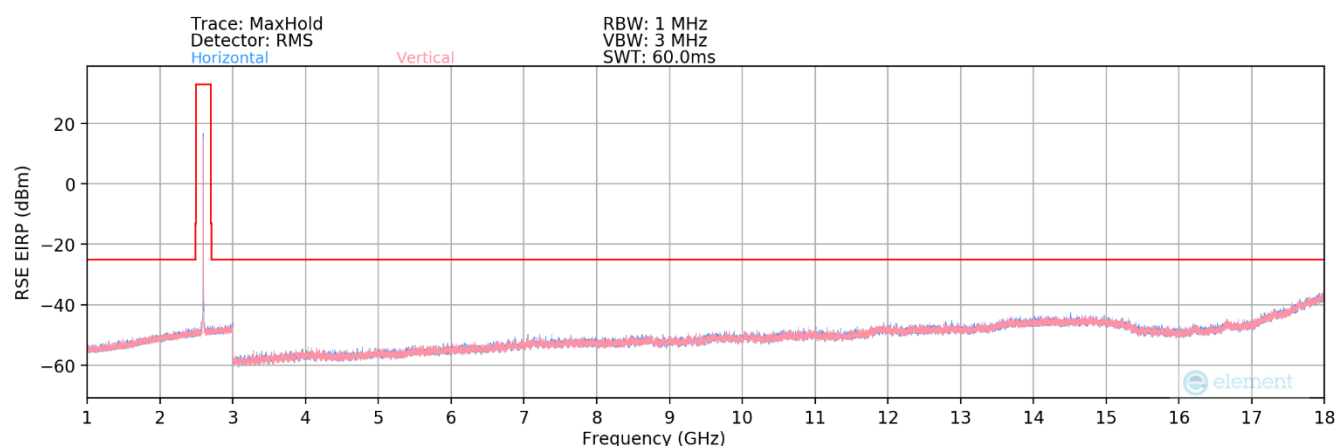
Table 7-116. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset		Page 265 of 281

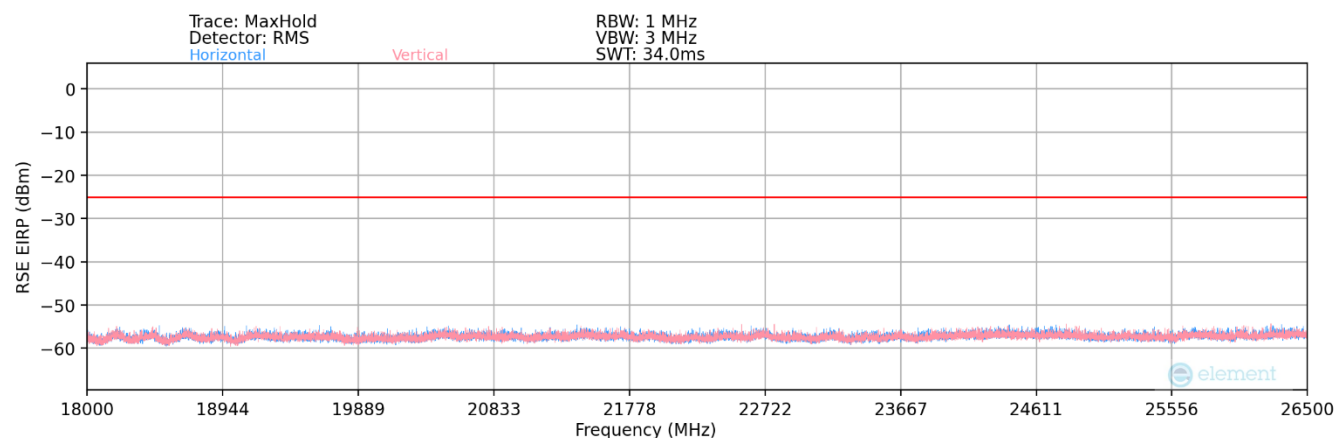
NR Band n41 – Ant D – Switching



Plot 7-370. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-371. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-372. Radiated Spurious Plot (NR Band n41 – Ant D)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 266 of 281

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

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]
5092.02	H	-	-	-75.36	1.93	33.57	-61.69	-25.00	-36.69
7638.03	H	-	-	-76.85	7.24	37.39	-57.87	-25.00	-32.87
10184.04	H	-	-	-79.89	10.88	37.99	-57.27	-25.00	-32.27

Table 7-117. Radiated Spurious Data (NR Band n41 – Low Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
5185.98	H	-	-	-75.50	2.23	33.73	-61.53	-25.00	-36.53
7778.97	H	-	-	-77.70	7.42	36.72	-58.53	-25.00	-33.53
10371.96	H	-	-	-79.76	11.13	38.37	-56.89	-25.00	-31.89

Table 7-118. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	-	-	-75.86	2.23	33.37	-61.89	-25.00	-36.89
7920.00	H	-	-	-77.53	7.39	36.86	-58.39	-25.00	-33.39
10560.00	H	-	-	-79.03	11.35	39.32	-55.93	-25.00	-30.93

Table 7-119. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

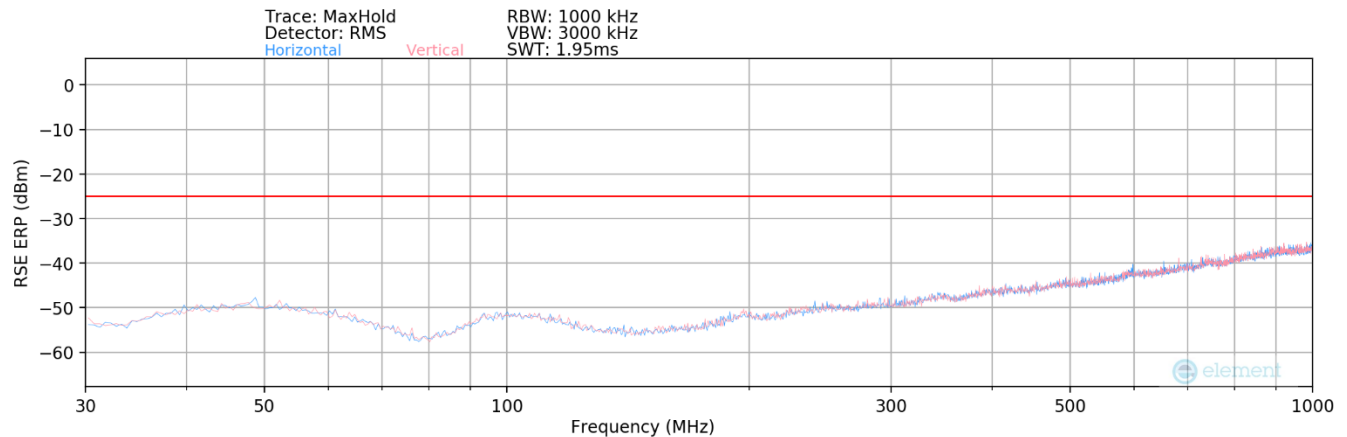
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
272.39	H	-	-	-96.78	19.90	30.12	-67.29	-25.00	-42.29
547.40	H	-	-	-96.08	25.40	36.32	-61.08	-25.00	-36.08
955.26	H	-	-	-95.83	30.78	41.95	-55.46	-25.00	-30.46

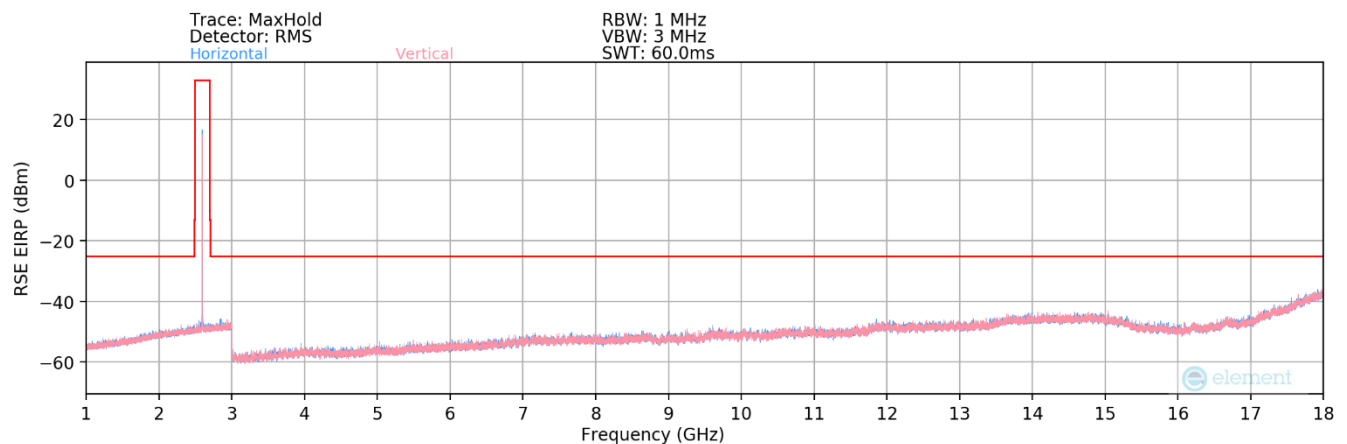
Table 7-120. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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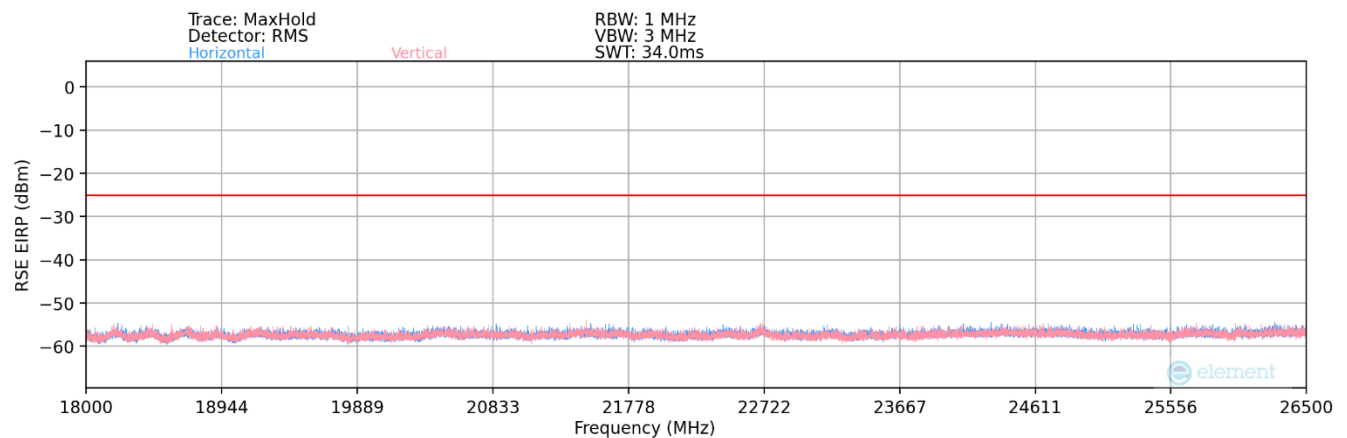
NR Band n41 – Ant D – Default



Plot 7-373. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-374. Radiated Spurious Plot (NR Band n41 – Ant D)



Plot 7-375. Radiated Spurious Plot (NR Band n41 – Ant D)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 268 of 281

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

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]
5092.02	H	-	-	-75.38	1.93	33.55	-61.71	-25.00	-36.71
7638.03	H	-	-	-76.83	7.24	37.41	-57.85	-25.00	-32.85
10184.04	H	-	-	-79.99	10.88	37.89	-57.37	-25.00	-32.37

Table 7-121. Radiated Spurious Data (NR Band n41 – Low Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
5185.98	H	-	-	-75.58	2.23	33.65	-61.61	-25.00	-36.61
7778.97	H	-	-	-77.76	7.42	36.66	-58.59	-25.00	-33.59
10371.96	H	-	-	-79.84	11.13	38.29	-56.97	-25.00	-31.97
18150.93	H	-	-	-51.44	-3.22	52.34	-52.46	-25.00	-27.46
20743.92	H	-	-	-52.38	-3.37	51.25	-53.55	-25.00	-28.55
23336.91	H	-	-	-51.79	-3.60	51.61	-53.19	-25.00	-28.19

Table 7-122. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	-	-	-75.48	2.23	33.75	-61.51	-25.00	-36.51
7920.00	H	-	-	-77.19	7.39	37.20	-58.05	-25.00	-33.05
10560.00	H	-	-	-79.14	11.35	39.21	-56.04	-25.00	-31.04

Table 7-123. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

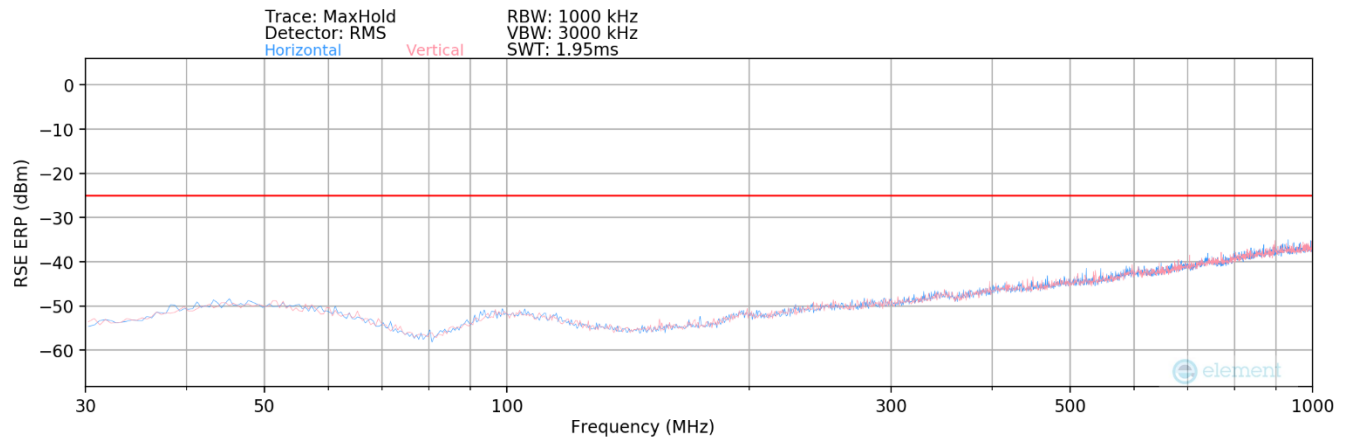
Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
272.53	H	-	-	-96.63	19.91	30.28	-67.13	-25.00	-42.13
548.22	H	-	-	-95.90	25.43	36.53	-60.88	-25.00	-35.88
907.19	H	-	-	-95.95	30.63	41.68	-55.72	-25.00	-30.72

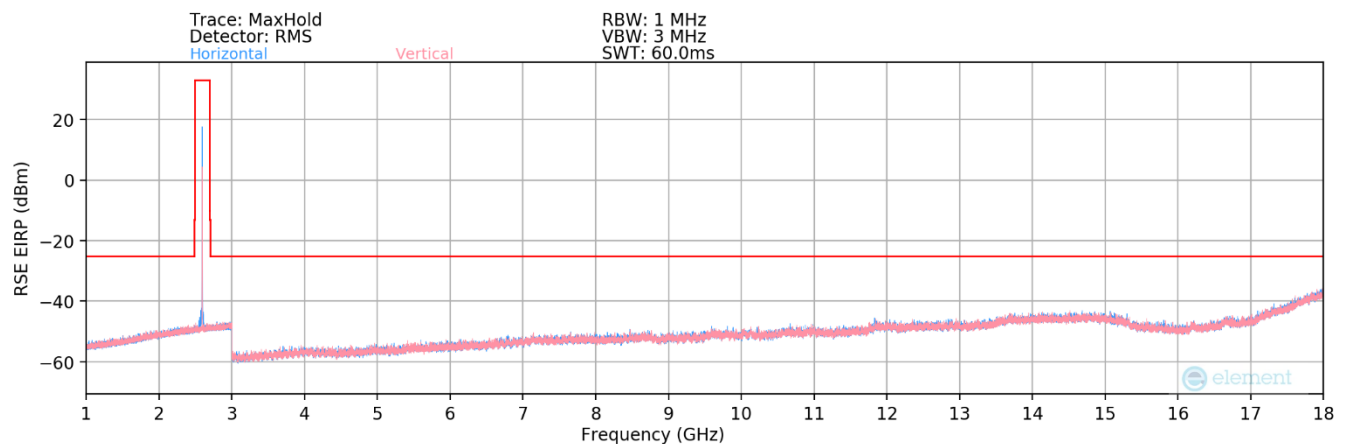
Table 7-124. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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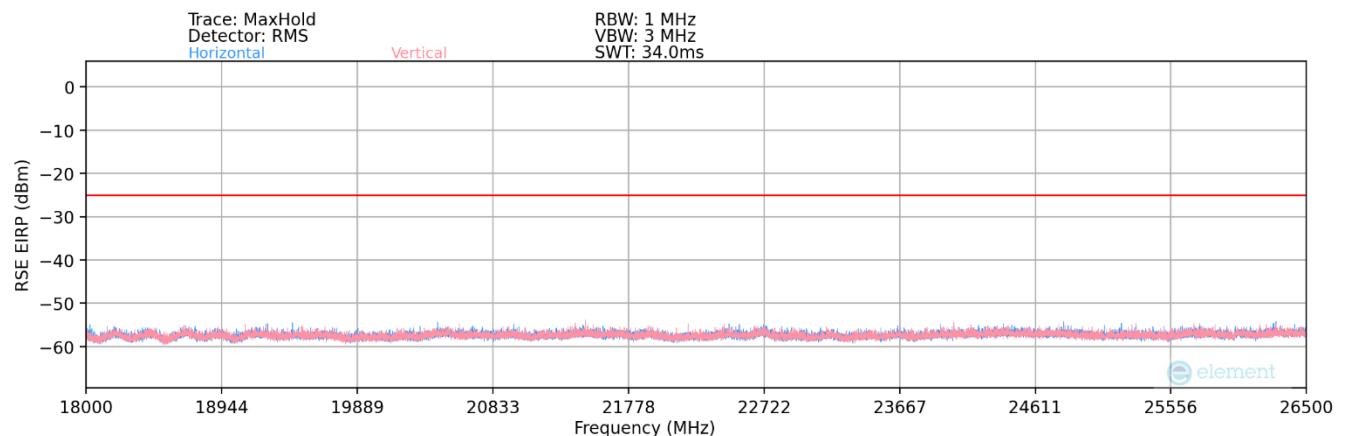
NR Band n41 – Ant E – Switching



Plot 7-376. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-377. Radiated Spurious Plot (NR Band n41 – Ant E)



Plot 7-378. Radiated Spurious Plot (NR Band n41 – Ant E)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 270 of 281

Bandwidth (MHz):	100
Frequency (MHz):	2546.01
RB / Offset:	1 / 136

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]
5092.02	H	-	-	-75.23	1.93	33.70	-61.56	-25.00	-36.56
7638.03	H	-	-	-76.69	7.24	37.55	-57.71	-25.00	-32.71
10184.04	H	-	-	-79.90	10.88	37.98	-57.28	-25.00	-32.28

Table 7-125. Radiated Spurious Data (NR Band n41 – Low Channel – Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
5185.98	H	-	-	-75.39	2.23	33.84	-61.42	-25.00	-36.42
7778.97	H	-	-	-77.65	7.42	36.77	-58.48	-25.00	-33.48
10371.96	H	-	-	-79.72	11.13	38.41	-56.85	-25.00	-31.85

Table 7-126. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	-	-	-75.90	2.23	33.33	-61.93	-25.00	-36.93
7920.00	H	-	-	-77.48	7.39	36.91	-58.34	-25.00	-33.34
10560.00	H	-	-	-79.04	11.35	39.31	-55.94	-25.00	-30.94

Table 7-127. Radiated Spurious Data (NR Band n41 – High Channel – Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2592.99
RB / Offset:	1 / 136

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]
281.99	H	-	-	-96.72	20.21	30.49	-66.92	-25.00	-41.92
551.52	H	-	-	-96.13	25.51	36.38	-61.03	-25.00	-36.03
968.24	H	-	-	-95.92	30.95	42.03	-55.38	-25.00	-30.38

Table 7-128. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

FCC ID: A3LSMS938U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260067-04-R1.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 271 of 281