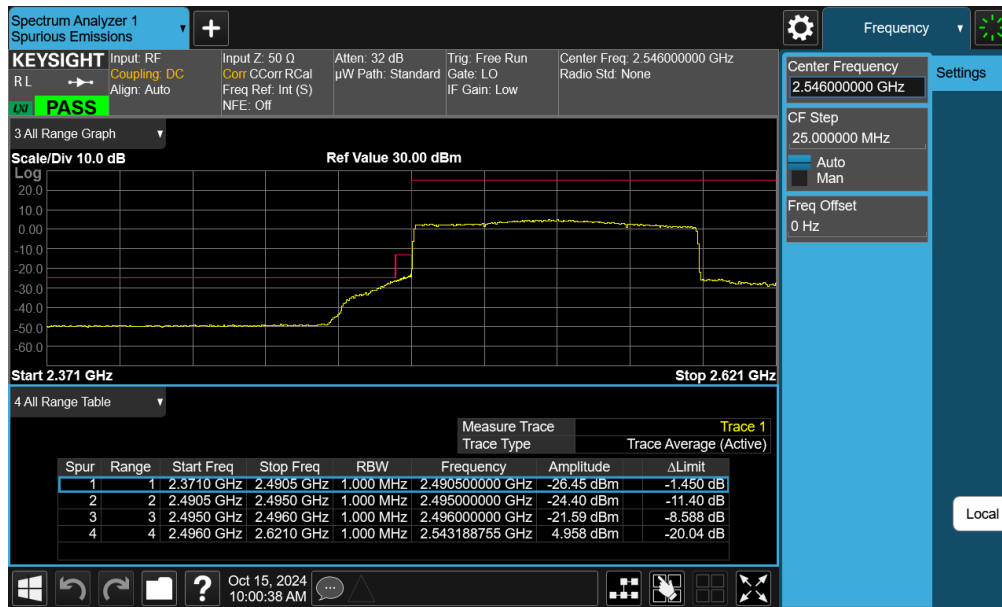
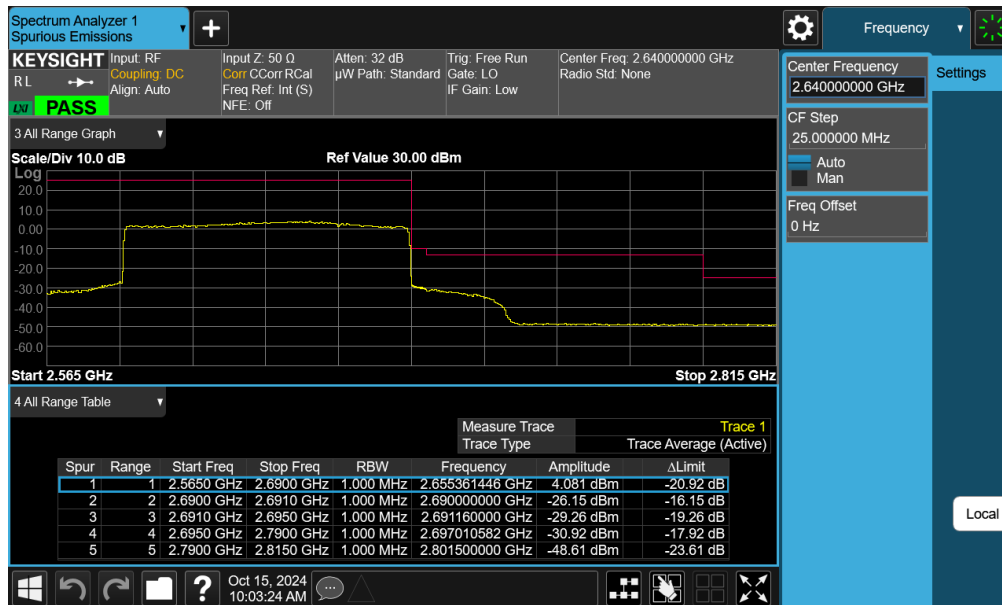


NR Band n41 – Ant B – Default



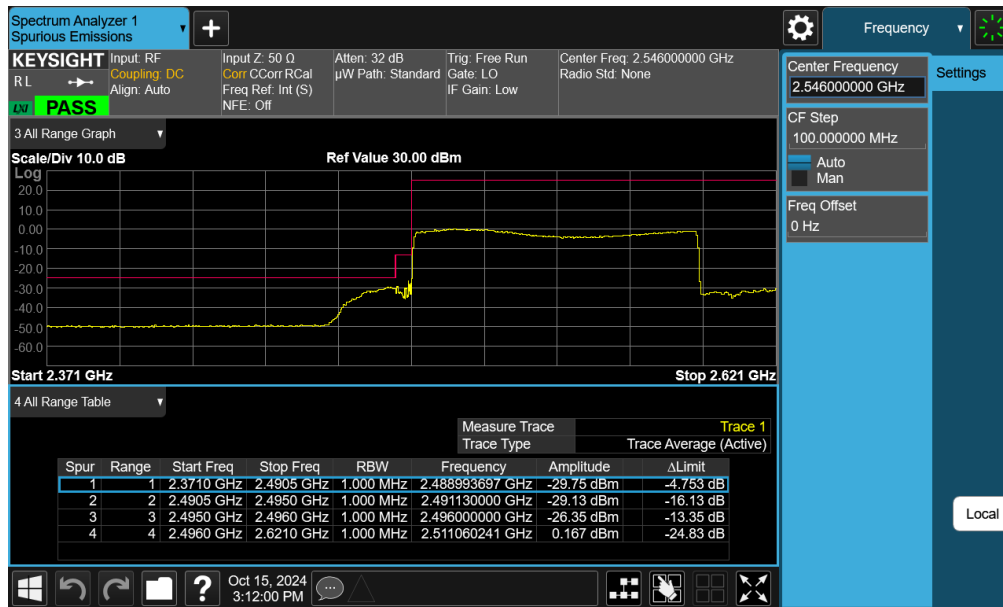
Plot 7-313. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant B)



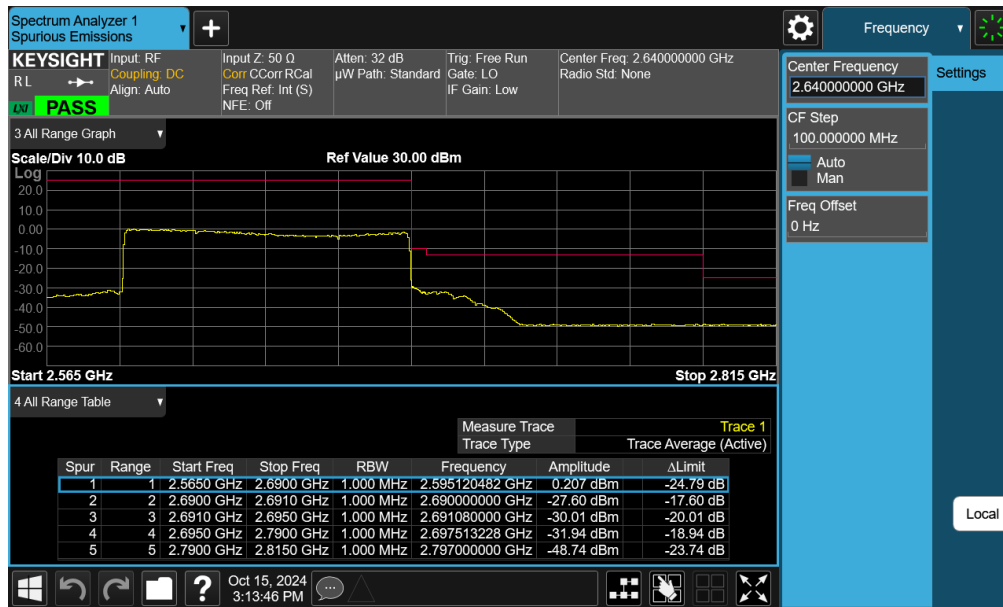
Plot 7-314. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant B)

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NR Band n41 – Ant F – Switching



Plot 7-315. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant F)



Plot 7-316. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant F)

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Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-33.34	-25	-8.34
		High	Band Edge	-24.77	-10	-14.77

Table 7-36. Conducted Band Edge Test Results – NR Band n41 – Ant E – Default

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-32.45	-25	-7.45
		High	Band Edge	-31.03	-10	-21.03

Table 7-37. Conducted Band Edge Test Results – NR Band n41 – Ant D – Switching

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-30.58	-25	-5.58
		High	Band Edge	-32.15	-10	-22.15

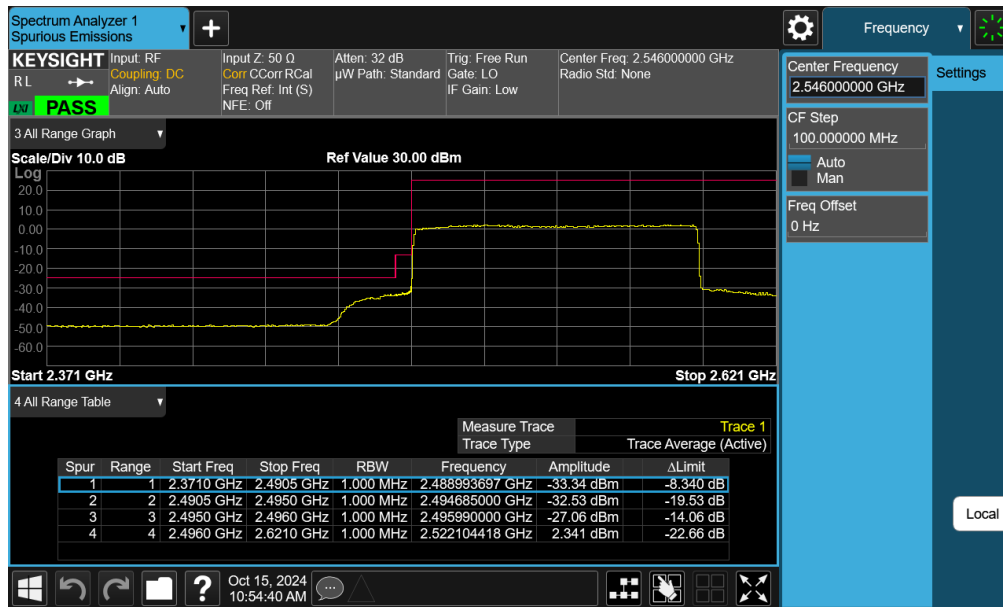
Table 7-38. Conducted Band Edge Test Results – NR Band n41 – Ant D – Default

Mode	Bandwidth	Channel	Test Case	Level [dBm]	Limit [dBm]	Margin [dB]
NR-n41PC2	100MHz	Low	Band Edge	-33.25	-25	-8.25
		High	Band Edge	-31.48	-10	-21.48

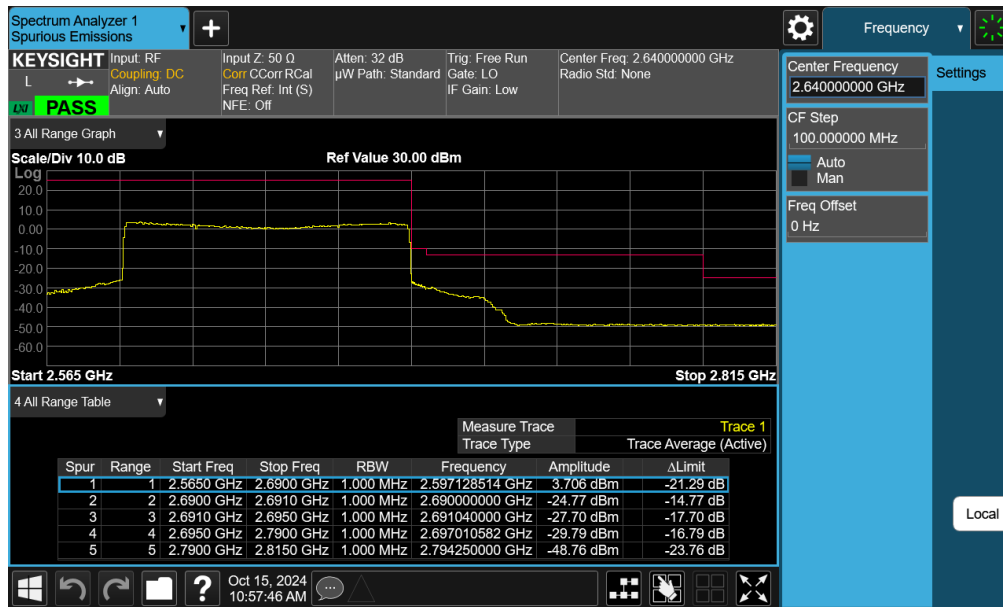
Table 7-39. Conducted Band Edge Test Results – NR Band n41 – Ant E - Switching

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NR Band n41 – Ant E – Default



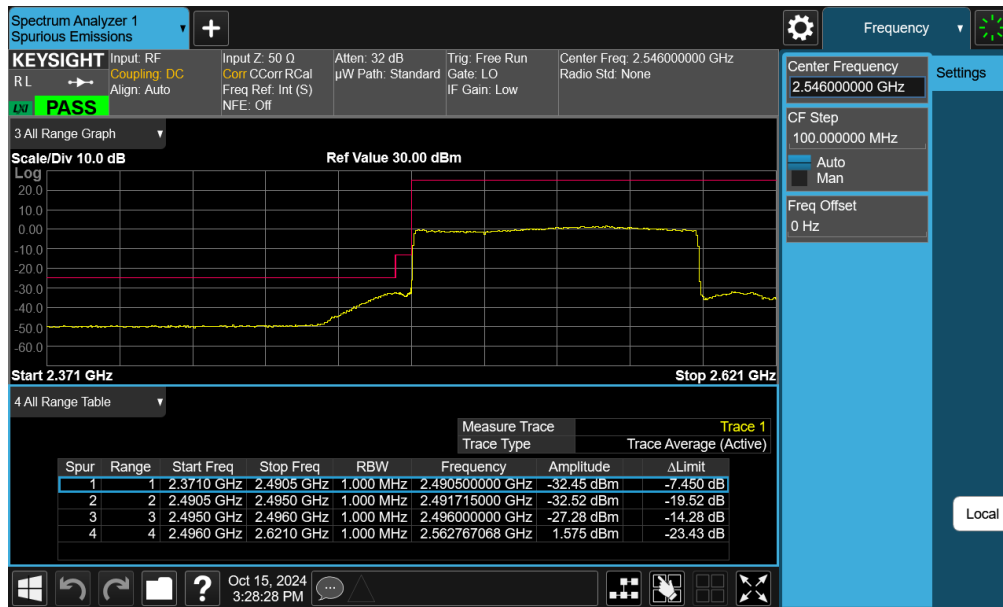
Plot 7-317. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant E)



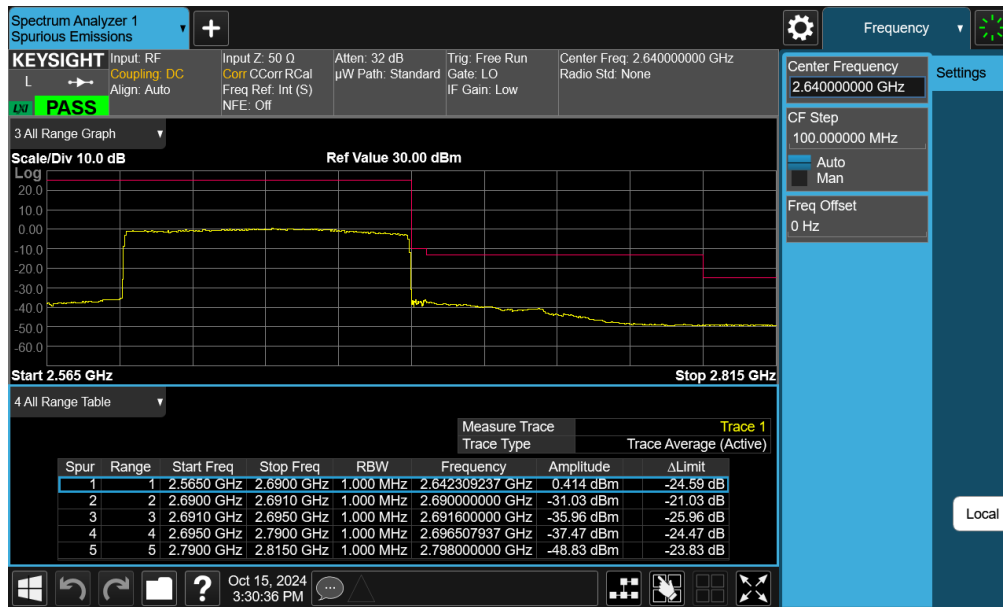
Plot 7-318. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant E)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant D – Switching



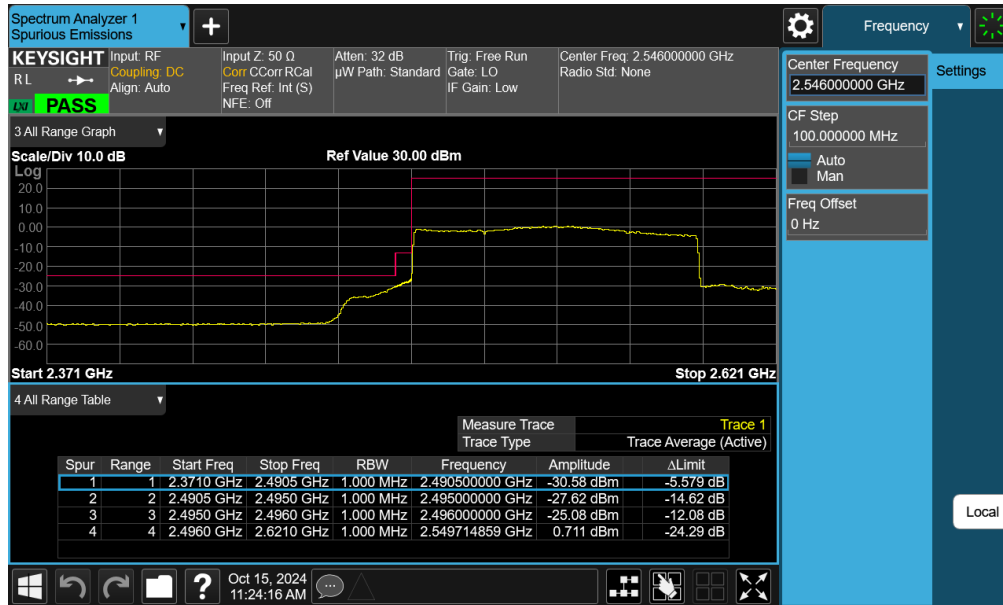
Plot 7-319. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant D)



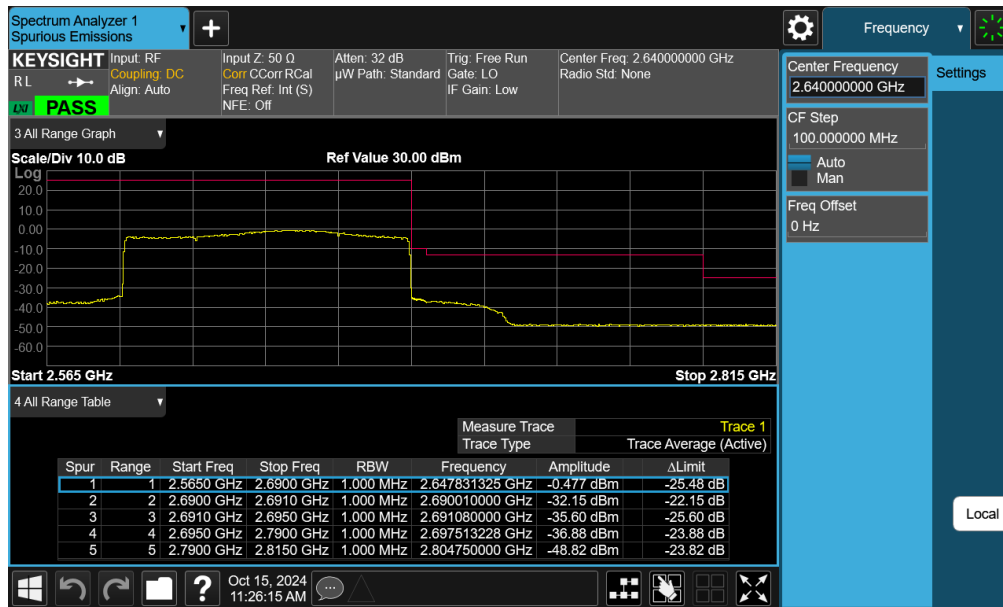
Plot 7-320. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-QPSK – Full RB - Ant D)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant D – Default



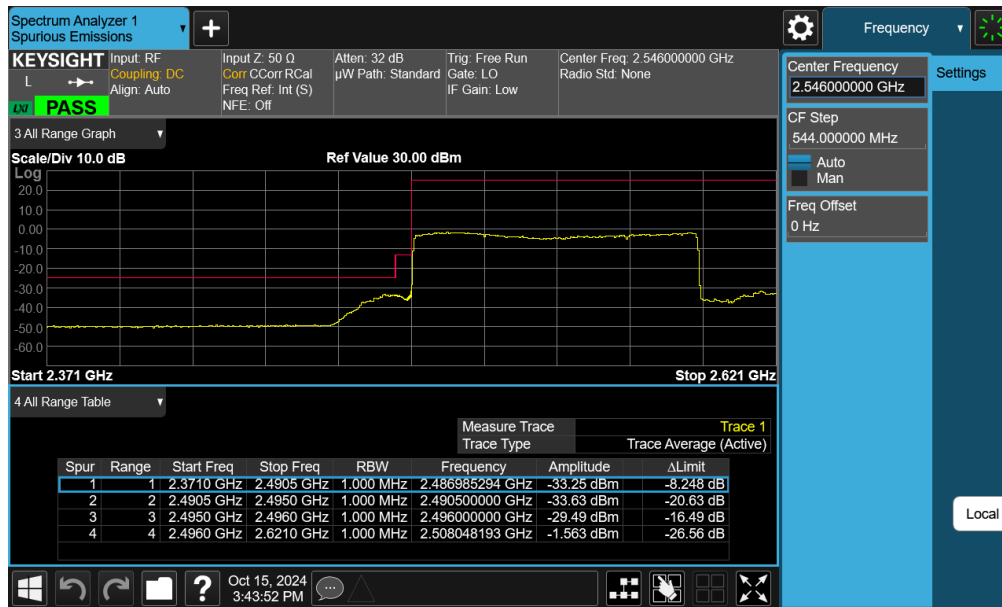
Plot 7-321. Lower Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant D)



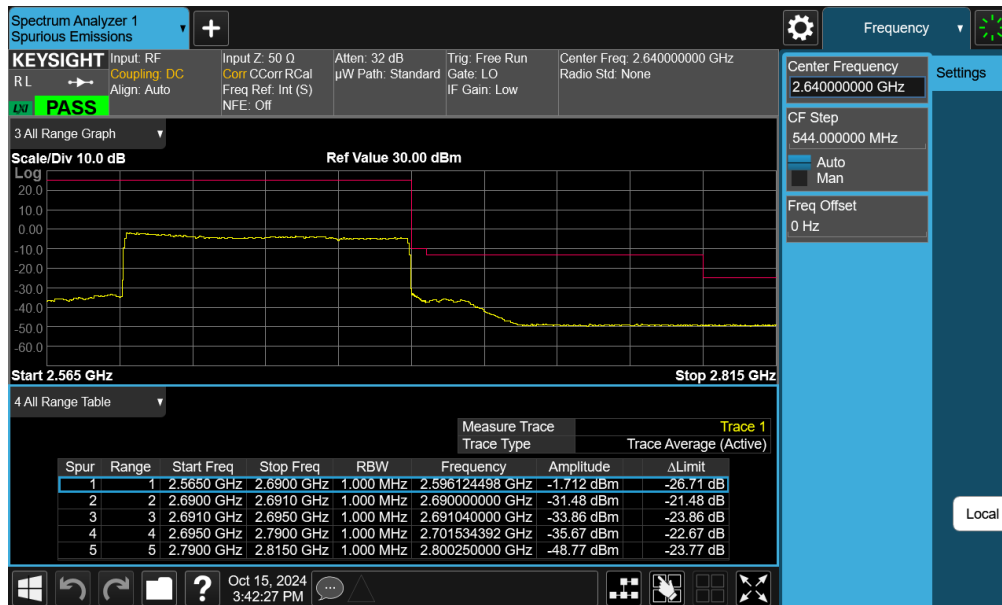
Plot 7-322. Upper Band Edge Plot (NR Band n41 - 100MHz DFT-s-OFDM-BPSK – Full RB - Ant D)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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.

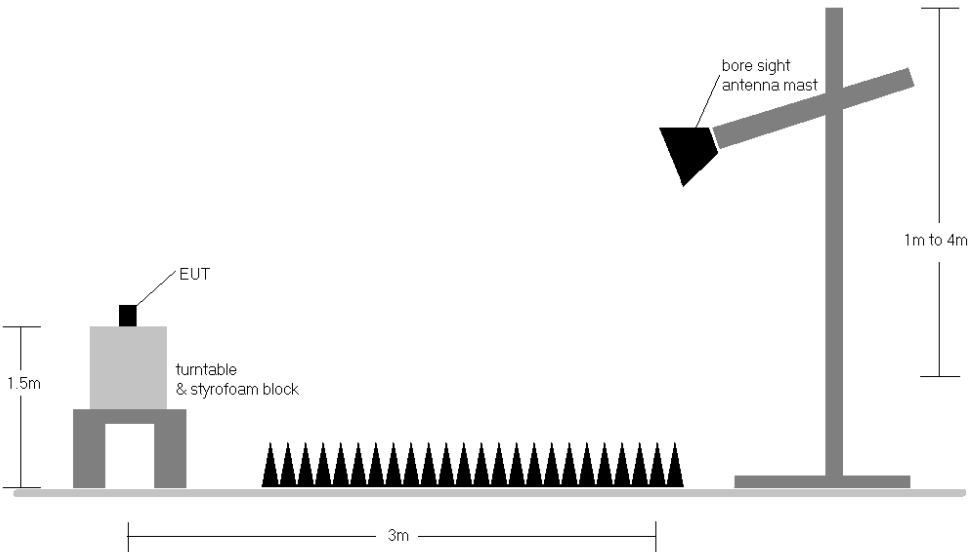


Figure 7-5. Radiated Test Setup >1GHz

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	180	334	9.16	1 / 49	12.97	22.13	0.163	23.98	-1.85
	16-QAM	2310.0	H	180	334	9.16	1 / 49	12.13	21.29	0.135	23.98	-2.69
5 MHz	QPSK	2307.5	H	180	334	9.16	1 / 12	13.13	22.29	0.169	23.98	-1.69
	QPSK	2310.0	H	180	334	9.16	1 / 0	13.12	22.28	0.169	23.98	-1.70
	QPSK	2312.5	H	180	334	9.17	1 / 0	13.03	22.20	0.166	23.98	-1.78
	16-QAM	2310.0	H	180	334	9.16	1 / 0	12.24	21.40	0.138	23.98	-2.58
10 MHz	Opposite Pol.	2310.0	V	183	115	9.16	1 / 49	12.51	21.67	0.147	23.98	-2.31
	WCP	2310.0	H	179	333	9.16	1 / 49	12.78	21.94	0.156	23.98	-2.04

Table 7-40. EIRP Data (LTE Band 30 – Ant F)

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	130	325	9.40	1 / 50	12.72	22.12	0.163	33.01	-10.89
	QPSK	2535.0	H	128	321	9.44	1 / 50	13.42	22.86	0.193	33.01	-10.15
	QPSK	2560.0	H	119	321	9.48	1 / 99	12.62	22.10	0.162	33.01	-10.91
	16-QAM	2535.0	H	128	321	9.44	1 / 50	12.65	22.09	0.162	33.01	-10.92
15 MHz	QPSK	2507.5	H	130	325	9.40	1 / 0	12.91	22.30	0.170	33.01	-10.71
	QPSK	2535.0	H	128	321	9.44	1 / 0	13.27	22.71	0.187	33.01	-10.30
	QPSK	2562.5	H	119	321	9.48	1 / 37	12.74	22.22	0.167	33.01	-10.79
	16-QAM	2535.0	H	128	321	9.44	1 / 0	12.82	22.26	0.168	33.01	-10.75
10 MHz	QPSK	2505.0	H	130	325	9.40	1 / 25	12.85	22.25	0.168	33.01	-10.76
	QPSK	2535.0	H	128	321	9.44	1 / 25	13.44	22.88	0.194	33.01	-10.13
	QPSK	2565.0	H	119	321	9.48	1 / 49	12.76	22.24	0.168	33.01	-10.77
	16-QAM	2535.0	H	128	321	9.44	1 / 25	12.73	22.17	0.165	33.01	-10.84
5 MHz	QPSK	2502.5	H	130	325	9.39	1 / 24	12.82	22.21	0.166	33.01	-10.80
	QPSK	2535.0	H	128	321	9.44	1 / 24	13.57	23.01	0.200	33.01	-10.00
	QPSK	2567.5	H	119	321	9.49	1 / 12	12.83	22.31	0.170	33.01	-10.70
	16-QAM	2535.0	H	128	321	9.44	1 / 24	12.67	22.11	0.163	33.01	-10.90
20 MHz	Opposite Pol.	2535.0	V	157	39	9.44	1 / 0	11.76	21.20	0.132	33.01	-11.81
	WCP	2535.0	H	125	321	9.44	1 / 50	13.03	22.47	0.177	33.01	-10.54

Table 7-41. EIRP Data (LTE Band 7 – Ant F)

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	127	326	9.40	1 / 0	14.04	23.44	0.221	33.01	-9.57
	QPSK	2593.0	H	142	321	9.53	1 / 0	13.21	22.74	0.188	33.01	-10.28
	QPSK	2680.0	H	114	316	9.65	1 / 50	12.92	22.57	0.181	33.01	-10.44
	16-QAM	2506.0	H	127	326	9.40	1 / 0	13.19	22.59	0.181	33.01	-10.42
15 MHz	QPSK	2503.5	H	127	326	9.39	1 / 0	14.12	23.52	0.225	33.01	-9.49
	QPSK	2593.0	H	142	321	9.53	1 / 0	13.30	22.83	0.192	33.01	-10.18
	QPSK	2682.5	H	114	316	9.65	1 / 74	12.73	22.38	0.173	33.01	-10.63
	16-QAM	2682.5	H	114	316	9.65	1 / 74	13.02	22.68	0.185	33.01	-10.33
10 MHz	QPSK	2501.0	H	127	326	9.39	1 / 49	14.20	23.59	0.228	33.01	-9.42
	QPSK	2593.0	H	142	321	9.53	1 / 25	13.28	22.81	0.191	33.01	-10.20
	QPSK	2685.0	H	114	316	9.66	1 / 0	12.67	22.33	0.171	33.01	-10.68
	16-QAM	2685.0	H	114	316	9.66	1 / 0	13.06	22.72	0.187	33.01	-10.30
5 MHz	QPSK	2498.5	H	127	326	9.39	1 / 0	14.16	23.54	0.226	33.01	-9.47
	QPSK	2593.0	H	142	321	9.53	1 / 24	13.28	22.80	0.191	33.01	-10.21
	QPSK	2687.5	H	114	316	9.66	1 / 24	12.86	22.52	0.179	33.01	-10.49
	16-QAM	2687.5	H	114	316	9.66	1 / 24	13.18	22.84	0.192	33.01	-10.17
20 MHz	Opposite Pol.	2506.0	V	322	41	9.40	1 / 0	12.17	21.57	0.143	33.01	-11.44
	WCP	2506.0	H	127	326	9.40	1 / 0	13.68	23.08	0.203	33.01	-9.93

Table 7-42. EIRP Data (LTE Band 41(PC3)/38 – Ant F)

FCC ID: A3LSMS936U	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]
10 MHz	$\pi/2$ BPSK	2310.0	H	179	333	9.16	1 / 50	12.40	21.56	0.143	23.98	-2.42
	QPSK	2310.0	H	179	333	9.16	1 / 50	12.34	21.50	0.141	23.98	-2.48
	16-QAM	2310.0	H	179	333	9.16	1 / 50	11.41	20.57	0.114	23.98	-3.41
5 MHz	$\pi/2$ BPSK	2307.5	H	179	333	9.16	1 / 23	12.43	21.59	0.144	23.98	-2.39
	$\pi/2$ BPSK	2310.0	H	179	333	9.16	1 / 12	12.52	21.68	0.147	23.98	-2.29
	$\pi/2$ BPSK	2312.5	H	179	333	9.17	1 / 1	12.40	21.57	0.143	23.98	-2.41
	QPSK	2307.5	H	179	333	9.16	1 / 12	12.54	21.70	0.148	23.98	-2.28
	QPSK	2310.0	H	179	333	9.16	1 / 12	12.58	21.75	0.150	23.98	-2.23
	QPSK	2312.5	H	179	333	9.17	1 / 1	11.91	21.08	0.128	23.98	-2.90
	16-QAM	2307.5	H	179	333	9.16	1 / 12	11.84	21.00	0.126	23.98	-2.98
10 MHz	QPSK (CP-OFDM)	2310.0	H	178	331	9.16	1 / 26	10.94	20.10	0.102	23.98	-3.88
	Opposite Pol.	2310.0	V	146	44	9.16	1 / 26	11.11	20.27	0.106	23.98	-3.71
	WCP	2310.0	H	182	333	9.16	1 / 50	11.95	21.11	0.129	23.98	-2.87

Table 7-43. EIRP Data (NR Band n30 – Ant F)

FCC ID: A3LSMS936U	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	101	323	9.42	1 / 268	12.96	22.38	0.173	33.01	-10.63
	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 268	13.03	22.47	0.177	33.01	-10.54
	$\pi/2$ BPSK	2545.0	H	100	323	9.46	1 / 1	13.04	22.50	0.178	33.01	-10.51
	QPSK	2525.0	H	101	323	9.42	1 / 268	13.04	22.46	0.176	33.01	-10.55
	QPSK	2535.0	H	101	319	9.44	1 / 268	13.06	22.50	0.178	33.01	-10.51
	QPSK	2545.0	H	100	323	9.46	1 / 1	12.96	22.42	0.175	33.01	-10.59
40 MHz	16-QAM	2545.0	H	100	323	9.46	1 / 1	12.02	21.48	0.141	33.01	-11.53
	$\pi/2$ BPSK	2520.0	H	101	323	9.42	1 / 108	12.50	21.92	0.156	33.01	-11.09
	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 1	12.64	22.08	0.161	33.01	-10.93
	$\pi/2$ BPSK	2550.0	H	100	323	9.46	1 / 108	13.09	22.55	0.180	33.01	-10.46
	QPSK	2520.0	H	101	323	9.42	1 / 108	12.45	21.87	0.154	33.01	-11.14
	QPSK	2535.0	H	101	319	9.44	1 / 1	12.37	21.81	0.152	33.01	-11.20
35 MHz	QPSK	2550.0	H	100	323	9.46	1 / 108	12.98	22.44	0.175	33.01	-10.57
	16-QAM	2520.0	H	101	323	9.42	1 / 108	12.11	21.52	0.142	33.01	-11.49
	$\pi/2$ BPSK	2517.5	H	101	323	9.41	1 / 90	12.68	22.09	0.162	33.01	-10.92
	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 1	12.50	21.94	0.156	33.01	-11.07
	$\pi/2$ BPSK	2552.5	H	100	323	9.47	1 / 90	13.06	22.53	0.179	33.01	-10.48
	QPSK	2517.5	H	101	323	9.41	1 / 90	12.63	22.05	0.160	33.01	-10.97
30 MHz	QPSK	2535.0	H	101	319	9.44	1 / 186	12.24	21.68	0.147	33.01	-11.33
	QPSK	2552.5	H	100	323	9.47	1 / 90	12.66	22.13	0.163	33.01	-10.88
	16-QAM	2517.5	H	101	323	9.41	1 / 90	12.13	21.54	0.143	33.01	-11.47
	$\pi/2$ BPSK	2515.0	H	101	323	9.41	1 / 80	12.88	22.29	0.170	33.01	-10.72
	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 1	12.52	21.96	0.157	33.01	-11.05
	$\pi/2$ BPSK	2555.0	H	100	323	9.47	1 / 80	13.07	22.54	0.180	33.01	-10.47
25 MHz	QPSK	2515.0	H	101	323	9.41	1 / 80	13.00	22.41	0.174	33.01	-10.60
	QPSK	2535.0	H	101	319	9.44	1 / 158	12.39	21.83	0.152	33.01	-11.18
	QPSK	2555.0	H	100	323	9.47	1 / 80	12.65	22.12	0.163	33.01	-10.89
	16-QAM	2515.0	H	101	323	9.41	1 / 80	12.80	22.21	0.166	33.01	-10.80
	$\pi/2$ BPSK	2512.5	H	101	323	9.41	1 / 66	12.86	22.26	0.168	33.01	-10.75
	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 131	12.13	21.57	0.143	33.01	-11.44
20 MHz	$\pi/2$ BPSK	2557.5	H	100	323	9.47	1 / 1	12.93	22.40	0.174	33.01	-10.61
	QPSK	2512.5	H	101	323	9.41	1 / 66	12.81	22.21	0.166	33.01	-10.80
	QPSK	2535.0	H	101	319	9.44	1 / 131	12.10	21.54	0.143	33.01	-11.47
	QPSK	2557.5	H	100	323	9.47	1 / 1	12.61	22.09	0.162	33.01	-10.92
	16-QAM	2512.5	H	101	323	9.41	1 / 66	12.50	21.91	0.155	33.01	-11.10
	$\pi/2$ BPSK	2510.0	H	101	323	9.40	1 / 104	13.19	22.59	0.182	33.01	-10.42
15 MHz	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 1	12.84	22.28	0.169	33.01	-10.73
	$\pi/2$ BPSK	2560.0	H	100	323	9.48	1 / 1	13.29	22.77	0.189	33.01	-10.24
	QPSK	2510.0	H	101	323	9.40	1 / 53	13.37	22.77	0.189	33.01	-10.24
	QPSK	2535.0	H	101	319	9.44	1 / 1	12.80	22.25	0.168	33.01	-10.77
	QPSK	2560.0	H	100	323	9.48	1 / 1	13.17	22.64	0.184	33.01	-10.37
	16-QAM	2510.0	H	101	323	9.40	1 / 53	12.97	22.38	0.173	33.01	-10.64
10 MHz	$\pi/2$ BPSK	2507.5	H	101	323	9.40	1 / 77	13.16	22.56	0.180	33.01	-10.45
	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 1	12.91	22.35	0.172	33.01	-10.66
	$\pi/2$ BPSK	2562.5	H	100	323	9.48	1 / 39	13.32	22.80	0.191	33.01	-10.21
	QPSK	2507.5	H	101	323	9.40	1 / 77	13.35	22.75	0.188	33.01	-10.26
	QPSK	2535.0	H	101	319	9.44	1 / 39	12.84	22.28	0.169	33.01	-10.73
	QPSK	2562.5	H	100	323	9.48	1 / 1	13.21	22.69	0.186	33.01	-10.32
5 MHz	16-QAM	2507.5	H	101	323	9.40	1 / 77	13.07	22.47	0.176	33.01	-10.54
	$\pi/2$ BPSK	2505.0	H	101	323	9.40	1 / 1	13.29	22.69	0.186	33.01	-10.32
	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 1	12.92	22.36	0.172	33.01	-10.65
	$\pi/2$ BPSK	2565.0	H	100	323	9.48	1 / 1	13.45	22.94	0.197	33.01	-10.07
	QPSK	2505.0	H	101	323	9.40	1 / 50	13.46	22.85	0.193	33.01	-10.16
	QPSK	2535.0	H	101	319	9.44	1 / 1	12.84	22.28	0.169	33.01	-10.73
50 MHz	QPSK	2565.0	H	100	323	9.48	1 / 26	13.41	22.90	0.195	33.01	-10.11
	16-QAM	2505.0	H	101	323	9.40	1 / 50	13.17	22.57	0.181	33.01	-10.45
	$\pi/2$ BPSK	2502.5	H	101	323	9.39	1 / 23	13.36	22.75	0.189	33.01	-10.26
	$\pi/2$ BPSK	2535.0	H	101	319	9.44	1 / 23	12.96	22.40	0.174	33.01	-10.61
	$\pi/2$ BPSK	2567.5	H	100	323	9.49	1 / 1	13.55	23.04	0.201	33.01	-9.97
	QPSK	2502.5	H	101	323	9.39	1 / 23	13.33	22.72	0.187	33.01	-10.29
50 MHz	QPSK	2535.0	H	101	319	9.44	1 / 1	12.93	22.37	0.173	33.01	-10.64
	QPSK	2567.5	H	100	323	9.49	1 / 1	13.46	22.95	0.197	33.01	-10.06
	16-QAM	2502.5	H	101	323	9.39	1 / 23	13.52	22.91	0.195	33.01	-10.10
50 MHz	QPSK (CP-OFDM)	2520.0	H	101	232	9.46	1 / 1	11.71	21.17	0.131	33.01	-11.84
	QPSK (Opposite Pol.)	2520.0	V	121	325	9.46	1 / 1	12.11	21.57	0.144	33.01	-11.44
	QPSK (WCP)	2550.0	H	105	230	9.46	1 / 1	11.30	20.76	0.119	33.01	-12.25

Table 7-44. EIRP Data (NR Band n7 – Ant F)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-04-R2.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset		Page 218 of 274

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	100	321	9.46	1 / 136	13.98	23.44	0.221	33.01	-9.57
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 1	14.11	23.64	0.231	33.01	-9.38
	$\pi/2$ BPSK	2640.00	H	101	313	9.59	1 / 136	12.55	22.14	0.164	33.01	-10.87
	QPSK	2546.01	H	100	321	9.46	1 / 136	13.50	22.96	0.198	33.01	-10.05
	QPSK	2592.99	H	100	317	9.53	1 / 1	13.50	23.03	0.201	33.01	-9.99
	QPSK	2640.00	H	101	313	9.59	1 / 136	11.80	21.39	0.138	33.01	-11.62
90 MHz	16-QAM	2592.99	H	100	317	9.53	1 / 1	12.87	22.40	0.174	33.01	-10.62
	$\pi/2$ BPSK	2541.00	H	100	321	9.45	1 / 243	13.69	23.14	0.206	33.01	-9.87
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 1	13.56	23.09	0.204	33.01	-9.92
	$\pi/2$ BPSK	2644.98	H	101	313	9.60	1 / 1	11.99	21.59	0.144	33.01	-11.42
	QPSK	2541.00	H	100	321	9.45	1 / 243	13.41	22.86	0.193	33.01	-10.15
	QPSK	2592.99	H	100	317	9.53	1 / 1	13.36	22.88	0.194	33.01	-10.13
80 MHz	QPSK	2644.98	H	101	313	9.60	1 / 1	11.14	20.74	0.119	33.01	-12.27
	16-QAM	2592.99	H	100	317	9.53	1 / 243	12.35	21.87	0.154	33.01	-11.14
	$\pi/2$ BPSK	2536.02	H	100	321	9.44	1 / 215	14.12	23.56	0.227	33.01	-9.45
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 1	13.72	23.24	0.211	33.01	-9.77
	$\pi/2$ BPSK	2649.99	H	101	313	9.61	1 / 108	13.20	22.81	0.191	33.01	-10.20
	QPSK	2536.02	H	100	321	9.44	1 / 215	13.85	23.30	0.214	33.01	-9.72
70 MHz	QPSK	2592.99	H	100	317	9.53	1 / 1	13.57	23.10	0.204	33.01	-9.91
	QPSK	2649.99	H	101	313	9.61	1 / 1	13.18	22.78	0.190	33.01	-10.23
	16-QAM	2592.99	H	100	317	9.53	1 / 1	13.18	22.70	0.186	33.01	-10.31
	$\pi/2$ BPSK	2531.01	H	100	321	9.43	1 / 187	14.37	23.81	0.240	33.01	-9.20
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 94	13.76	23.29	0.213	33.01	-9.72
	$\pi/2$ BPSK	2655.00	H	101	313	9.61	1 / 94	13.29	22.91	0.195	33.01	-10.10
60 MHz	QPSK	2531.01	H	100	321	9.43	1 / 187	15.03	24.46	0.280	33.01	-8.55
	QPSK	2592.99	H	100	317	9.53	1 / 94	14.89	24.41	0.276	33.01	-8.60
	QPSK	2655.00	H	101	313	9.61	1 / 94	12.91	22.52	0.179	33.01	-10.49
	16-QAM	2592.99	H	100	317	9.53	1 / 94	13.42	22.95	0.197	33.01	-10.06
	$\pi/2$ BPSK	2526.00	H	100	321	9.43	1 / 160	14.45	23.88	0.244	33.01	-9.13
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 1	13.72	23.25	0.211	33.01	-9.76
50 MHz	$\pi/2$ BPSK	2659.98	H	101	313	9.62	1 / 81	13.25	22.87	0.194	33.01	-10.14
	QPSK	2526.00	H	100	321	9.43	1 / 160	15.04	24.47	0.280	33.01	-8.54
	QPSK	2592.99	H	100	317	9.53	1 / 1	14.81	24.33	0.271	33.01	-8.68
	QPSK	2659.98	H	101	313	9.62	1 / 81	13.14	22.76	0.189	33.01	-10.25
	16-QAM	2592.99	H	100	317	9.53	1 / 1	13.64	23.17	0.207	33.01	-9.84
	$\pi/2$ BPSK	2521.02	H	100	321	9.42	1 / 131	14.23	23.65	0.232	33.01	-9.36
45 MHz	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 1	13.60	23.13	0.205	33.01	-9.88
	$\pi/2$ BPSK	2664.99	H	101	313	9.63	1 / 66	13.06	22.69	0.186	33.01	-10.32
	QPSK	2521.02	H	100	321	9.42	1 / 131	14.89	24.31	0.270	33.01	-8.70
	QPSK	2592.99	H	100	317	9.53	1 / 1	14.69	24.22	0.264	33.01	-8.79
	QPSK	2664.99	H	101	313	9.63	1 / 66	12.90	22.52	0.179	33.01	-10.49
	16-QAM	2592.99	H	100	317	9.53	1 / 1	13.24	22.76	0.189	33.01	-10.25
40 MHz	$\pi/2$ BPSK	2518.50	H	100	321	9.41	1 / 117	13.84	23.26	0.212	33.01	-9.75
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 1	13.89	23.41	0.219	33.01	-9.60
	$\pi/2$ BPSK	2667.50	H	101	313	9.63	1 / 54	13.18	22.81	0.191	33.01	-10.20
	QPSK	2518.50	H	100	321	9.41	1 / 117	14.57	23.99	0.250	33.01	-9.02
	QPSK	2592.99	H	100	317	9.53	1 / 1	14.92	24.44	0.278	33.01	-8.57
	QPSK	2667.50	H	101	313	9.63	1 / 54	12.93	22.56	0.180	33.01	-10.45
35 MHz	16-QAM	2592.99	H	100	317	9.53	1 / 1	13.54	23.07	0.203	33.01	-9.94
	$\pi/2$ BPSK	2516.01	H	100	321	9.41	1 / 50	14.09	23.50	0.224	33.01	-9.51
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	100 / 0	13.41	22.94	0.197	33.01	-10.07
	$\pi/2$ BPSK	2670.00	H	101	313	9.63	1 / 50	12.94	22.57	0.181	33.01	-10.44
	QPSK	2516.01	H	100	321	9.41	1 / 104	14.66	24.07	0.255	33.01	-8.94
	QPSK	2592.99	H	100	317	9.53	1 / 1	14.60	24.13	0.259	33.01	-8.88
30 MHz	QPSK	2670.00	H	101	313	9.63	1 / 50	12.83	22.47	0.177	33.01	-10.54
	16-QAM	2592.99	H	100	317	9.53	1 / 1	13.91	23.43	0.220	33.01	-9.58
	$\pi/2$ BPSK	2513.50	H	100	321	9.40	1 / 90	14.19	23.60	0.229	33.01	-9.42
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 90	13.83	23.35	0.216	33.01	-9.66
	$\pi/2$ BPSK	2672.50	H	101	313	9.64	1 / 39	13.09	22.73	0.187	33.01	-10.28
	QPSK	2513.50	H	100	321	9.40	1 / 45	14.69	24.09	0.257	33.01	-8.92
25 MHz	QPSK	2592.99	H	100	317	9.53	1 / 1	14.83	24.36	0.273	33.01	-8.65
	QPSK	2672.50	H	101	313	9.64	1 / 45	12.86	22.51	0.178	33.01	-10.50
	16-QAM	2592.99	H	100	317	9.53	1 / 76	13.68	23.21	0.209	33.01	-9.80

Table 7-45. EIRP Data (NR Band n41 – Ant F - Default)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-04-R2.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 219 of 274

30 MHz	$\pi/2$ BPSK	2511.00	H	100	321	9.40	1 / 76	14.18	23.58	0.228	33.01	-9.43
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 76	13.73	23.25	0.212	33.01	-9.76
	$\pi/2$ BPSK	2674.98	H	101	313	9.64	1 / 1	13.15	22.80	0.190	33.01	-10.21
	QPSK	2511.00	H	100	321	9.40	1 / 76	14.56	23.97	0.249	33.01	-9.04
	QPSK	2592.99	H	100	317	9.53	1 / 1	14.76	24.29	0.268	33.01	-8.72
	QPSK	2674.98	H	101	313	9.64	1 / 1	12.90	22.55	0.180	33.01	-10.46
25 MHz	16-QAM	2592.99	H	100	317	9.53	1 / 1	13.88	23.41	0.219	33.01	-9.60
	$\pi/2$ BPSK	2508.50	H	100	321	9.40	1 / 63	14.45	23.84	0.242	33.01	-9.17
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 63	13.96	23.49	0.223	33.01	-9.52
	$\pi/2$ BPSK	2677.50	H	101	313	9.65	1 / 1	13.24	22.89	0.195	33.01	-10.12
	QPSK	2508.50	H	100	321	9.40	1 / 63	14.48	23.88	0.244	33.01	-9.13
	QPSK	2592.99	H	100	317	9.53	1 / 1	15.03	24.56	0.286	33.01	-8.45
20 MHz	QPSK	2677.50	H	101	313	9.65	1 / 1	12.76	22.41	0.174	33.01	-10.60
	16-QAM	2592.99	H	100	317	9.53	1 / 1	13.92	23.45	0.221	33.01	-9.56
	$\pi/2$ BPSK	2506.02	H	100	321	9.40	1 / 49	13.87	23.27	0.212	33.01	-9.74
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 25	13.56	23.09	0.204	33.01	-9.92
	$\pi/2$ BPSK	2679.99	H	101	313	9.65	1 / 1	12.96	22.61	0.182	33.01	-10.40
	QPSK	2506.02	H	100	321	9.40	1 / 49	14.58	23.97	0.250	33.01	-9.04
15 MHz	QPSK	2592.99	H	100	317	9.53	1 / 25	14.59	24.11	0.258	33.01	-8.90
	QPSK	2679.99	H	101	313	9.65	1 / 1	13.05	22.70	0.186	33.01	-10.31
	16-QAM	2592.99	H	100	317	9.53	1 / 25	13.83	23.35	0.216	33.01	-9.66
	$\pi/2$ BPSK	2503.50	H	100	321	9.40	1 / 36	14.09	23.49	0.223	33.01	-9.52
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 18	14.11	23.64	0.231	33.01	-9.37
	$\pi/2$ BPSK	2682.50	H	101	313	9.65	1 / 1	12.89	22.54	0.179	33.01	-10.47
10 MHz	QPSK	2503.50	H	100	321	9.40	1 / 18	14.08	23.48	0.223	33.01	-9.53
	QPSK	2592.99	H	100	317	9.53	1 / 1	14.93	24.46	0.279	33.01	-8.55
	QPSK	2682.50	H	101	313	9.65	1 / 18	12.31	21.96	0.157	33.01	-11.05
	16-QAM	2592.99	H	100	317	9.53	1 / 18	13.85	23.38	0.218	33.01	-9.63
	$\pi/2$ BPSK	2501.00	H	100	321	9.40	1 / 22	14.02	23.41	0.219	33.01	-9.60
	$\pi/2$ BPSK	2592.99	H	100	317	9.53	1 / 1	13.61	23.14	0.206	33.01	-9.87
100 MHz	$\pi/2$ BPSK	2685.00	H	101	313	9.65	1 / 1	12.18	21.83	0.152	33.01	-11.18
	QPSK	2501.00	H	100	321	9.40	1 / 22	14.04	23.43	0.220	33.01	-9.58
	QPSK	2592.99	H	100	317	9.53	1 / 1	14.61	24.14	0.259	33.01	-8.87
	QPSK	2685.00	H	101	313	9.65	1 / 1	11.65	21.30	0.135	33.01	-11.71
	16-QAM	2592.99	H	100	317	9.53	1 / 1	13.70	23.22	0.210	33.01	-9.79
	QPSK (CP-OFDM)	2592.99	H	114	318	9.46	1 / 136	10.81	20.27	0.106	33.01	-12.74
100 MHz	QPSK (Opposite Pol.)	2592.99	V	251	32	9.46	1 / 136	12.51	21.97	0.157	33.01	-11.04
	QPSK (WCP)	2592.99	H	114	309	9.46	1 / 136	10.90	20.36	0.109	33.01	-12.65

Table 7-46. EIRP Data (NR Band n41 – Ant F - Default)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-04-R2.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 220 of 274

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	130	211	9.46	1 / 271	11.21	20.67	0.117	33.01	-12.34
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 1	9.27	18.80	0.076	33.01	-14.22
	$\pi/2$ BPSK	2640.00	H	130	213	9.59	1 / 1	10.76	20.35	0.108	33.01	-12.66
	QPSK	2546.01	H	130	211	9.46	1 / 271	11.20	20.66	0.116	33.01	-12.35
	QPSK	2592.99	H	137	221	9.53	1 / 1	9.28	18.81	0.076	33.01	-14.21
	QPSK	2640.00	H	130	213	9.59	1 / 1	10.76	20.35	0.108	33.01	-12.66
90 MHz	16-QAM	2640.00	H	130	213	9.59	1 / 1	10.84	20.43	0.110	33.01	-12.58
	$\pi/2$ BPSK	2541.00	H	130	211	9.45	1 / 122	11.38	20.83	0.121	33.01	-12.19
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 122	9.42	18.95	0.078	33.01	-14.06
	$\pi/2$ BPSK	2644.98	H	130	213	9.60	1 / 122	10.72	20.32	0.108	33.01	-12.70
	QPSK	2541.00	H	130	211	9.45	1 / 122	11.25	20.70	0.117	33.01	-12.31
	QPSK	2592.99	H	137	221	9.53	1 / 122	9.47	18.99	0.079	33.01	-14.02
80 MHz	QPSK	2644.98	H	130	213	9.60	1 / 122	10.85	20.45	0.111	33.01	-12.56
	16-QAM	2644.98	H	130	213	9.60	1 / 122	10.81	20.41	0.110	33.01	-12.60
	$\pi/2$ BPSK	2536.02	H	130	211	9.44	216 / 0	11.38	20.82	0.121	33.01	-12.19
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 108	9.43	18.96	0.079	33.01	-14.05
	$\pi/2$ BPSK	2649.99	H	130	213	9.61	1 / 1	10.88	20.49	0.112	33.01	-12.52
	QPSK	2536.02	H	130	211	9.44	1 / 108	11.34	20.78	0.120	33.01	-12.23
70 MHz	QPSK	2592.99	H	137	221	9.53	1 / 108	9.51	19.03	0.080	33.01	-13.98
	QPSK	2649.99	H	130	213	9.61	1 / 1	10.96	20.56	0.114	33.01	-12.45
	16-QAM	2649.99	H	130	213	9.61	1 / 1	11.05	20.65	0.116	33.01	-12.36
	$\pi/2$ BPSK	2531.01	H	130	211	9.43	1 / 94	11.52	20.95	0.125	33.01	-12.06
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 94	9.38	18.91	0.078	33.01	-14.10
	$\pi/2$ BPSK	2655.00	H	130	213	9.61	1 / 1	11.01	20.63	0.116	33.01	-12.38
60 MHz	QPSK	2531.01	H	130	211	9.43	1 / 94	11.56	20.99	0.126	33.01	-12.02
	QPSK	2592.99	H	137	221	9.53	1 / 94	9.49	19.01	0.080	33.01	-14.00
	QPSK	2655.00	H	130	213	9.61	1 / 1	11.03	20.64	0.116	33.01	-12.37
	16-QAM	2655.00	H	130	213	9.61	1 / 1	10.84	20.45	0.111	33.01	-12.56
	$\pi/2$ BPSK	2526.00	H	130	211	9.43	1 / 81	11.51	20.93	0.124	33.01	-12.08
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 160	9.30	18.83	0.076	33.01	-14.18
50 MHz	$\pi/2$ BPSK	2659.98	H	130	213	9.62	1 / 1	10.81	20.43	0.110	33.01	-12.58
	QPSK	2526.00	H	130	211	9.43	1 / 81	11.53	20.96	0.125	33.01	-12.05
	QPSK	2592.99	H	137	221	9.53	1 / 160	9.41	18.94	0.078	33.01	-14.07
	QPSK	2659.98	H	130	213	9.62	1 / 1	10.81	20.44	0.111	33.01	-12.58
	16-QAM	2659.98	H	130	213	9.62	1 / 1	10.71	20.33	0.108	33.01	-12.68
	$\pi/2$ BPSK	2521.02	H	130	211	9.42	1 / 66	11.82	21.24	0.133	33.01	-11.77
45 MHz	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 1	9.69	19.21	0.083	33.01	-13.80
	$\pi/2$ BPSK	2664.99	H	130	213	9.63	1 / 1	10.89	20.52	0.113	33.01	-12.49
	QPSK	2521.02	H	130	211	9.42	1 / 66	11.83	21.25	0.133	33.01	-11.76
	QPSK	2592.99	H	137	221	9.53	1 / 1	9.71	19.24	0.084	33.01	-13.78
	QPSK	2664.99	H	130	213	9.63	1 / 1	11.02	20.65	0.116	33.01	-12.36
	16-QAM	2521.02	H	130	211	9.42	1 / 66	11.17	20.59	0.115	33.01	-12.42
40 MHz	$\pi/2$ BPSK	2518.50	H	130	211	9.41	108 / 0	11.62	21.03	0.127	33.01	-11.98
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 117	9.64	19.16	0.082	33.01	-13.85
	$\pi/2$ BPSK	2667.50	H	130	213	9.63	1 / 1	10.95	20.59	0.114	33.01	-12.42
	QPSK	2518.50	H	130	211	9.41	1 / 117	11.69	21.11	0.129	33.01	-11.90
	QPSK	2592.99	H	137	221	9.53	1 / 1	9.67	19.20	0.083	33.01	-13.81
	QPSK	2667.50	H	130	213	9.63	1 / 1	10.96	20.59	0.115	33.01	-12.42
35 MHz	16-QAM	2667.50	H	130	213	9.63	1 / 1	11.06	20.69	0.117	33.01	-12.32
	$\pi/2$ BPSK	2516.01	H	130	211	9.41	1 / 53	11.78	21.20	0.132	33.01	-11.81
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 1	9.52	19.04	0.080	33.01	-13.97
	$\pi/2$ BPSK	2670.00	H	130	213	9.63	1 / 1	10.79	20.43	0.110	33.01	-12.58
	QPSK	2516.01	H	130	211	9.41	1 / 53	11.76	21.18	0.131	33.01	-11.83
	QPSK	2592.99	H	137	221	9.53	1 / 104	9.61	19.14	0.082	33.01	-13.87
30 MHz	QPSK	2670.00	H	130	213	9.63	1 / 1	10.86	20.49	0.112	33.01	-12.52
	16-QAM	2516.01	H	130	211	9.41	1 / 53	11.24	20.65	0.116	33.01	-12.36
	$\pi/2$ BPSK	2513.50	H	130	211	9.40	1 / 45	11.79	21.19	0.132	33.01	-11.82
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 90	9.44	18.96	0.079	33.01	-14.05
	$\pi/2$ BPSK	2672.50	H	130	213	9.64	1 / 1	10.87	20.51	0.113	33.01	-12.50
	QPSK	2513.50	H	130	211	9.40	1 / 1	11.81	21.22	0.132	33.01	-11.79
25 MHz	QPSK	2592.99	H	137	221	9.53	1 / 1	9.59	19.11	0.082	33.01	-13.90
	QPSK	2672.50	H	130	213	9.64	1 / 1	10.85	20.50	0.112	33.01	-12.51
	16-QAM	2672.50	H	130	213	9.64	1 / 1	10.91	20.56	0.114	33.01	-12.45

Table 7-47. EIRP Data (NR Band n41 – Ant B - Switching)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-04-R2.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 221 of 274

30 MHz	$\pi/2$ BPSK	2511.00	H	130	211	9.40	1 / 76	11.87	21.28	0.134	33.01	-11.73
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 1	9.69	19.22	0.084	33.01	-13.79
	$\pi/2$ BPSK	2674.98	H	130	213	9.64	1 / 1	10.99	20.63	0.116	33.01	-12.38
	QPSK	2511.00	H	130	211	9.40	1 / 39	11.83	21.24	0.133	33.01	-11.77
	QPSK	2592.99	H	137	221	9.53	1 / 76	9.71	19.23	0.084	33.01	-13.78
	QPSK	2674.98	H	130	213	9.64	1 / 1	11.02	20.66	0.116	33.01	-12.35
25 MHz	16-QAM	2511.00	H	130	211	9.40	1 / 76	11.23	20.64	0.116	33.01	-12.37
	$\pi/2$ BPSK	2508.50	H	130	211	9.40	1 / 1	11.95	21.35	0.137	33.01	-11.66
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 32	9.65	19.18	0.083	33.01	-13.83
	$\pi/2$ BPSK	2677.50	H	130	213	9.65	1 / 1	10.87	20.52	0.113	33.01	-12.49
	QPSK	2508.50	H	130	211	9.40	1 / 32	11.93	21.33	0.136	33.01	-11.68
	QPSK	2592.99	H	137	221	9.53	1 / 1	9.69	19.21	0.083	33.01	-13.80
20 MHz	QPSK	2677.50	H	130	213	9.65	1 / 1	11.05	20.70	0.117	33.01	-12.31
	16-QAM	2677.50	H	130	213	9.65	1 / 1	10.88	20.53	0.113	33.01	-12.48
	$\pi/2$ BPSK	2506.02	H	130	211	9.40	1 / 25	11.92	21.31	0.135	33.01	-11.70
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 25	9.61	19.13	0.082	33.01	-13.88
	$\pi/2$ BPSK	2679.99	H	130	213	9.65	1 / 25	10.54	20.18	0.104	33.01	-12.83
	QPSK	2506.02	H	130	211	9.40	1 / 49	11.88	21.28	0.134	33.01	-11.73
15 MHz	QPSK	2592.99	H	137	221	9.53	1 / 1	9.64	19.17	0.083	33.01	-13.84
	QPSK	2679.99	H	130	213	9.65	1 / 1	10.61	20.26	0.106	33.01	-12.75
	16-QAM	2506.02	H	130	211	9.40	1 / 25	11.25	20.65	0.116	33.01	-12.36
	$\pi/2$ BPSK	2503.50	H	130	211	9.40	1 / 1	11.95	21.35	0.136	33.01	-11.66
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 36	9.63	19.15	0.082	33.01	-13.86
	$\pi/2$ BPSK	2682.50	H	130	213	9.65	1 / 1	10.71	20.36	0.109	33.01	-12.65
10 MHz	QPSK	2503.50	H	130	211	9.40	1 / 18	11.91	21.31	0.135	33.01	-11.70
	QPSK	2592.99	H	137	221	9.53	1 / 1	9.67	19.19	0.083	33.01	-13.82
	QPSK	2682.50	H	130	213	9.65	1 / 18	10.73	20.38	0.109	33.01	-12.63
	16-QAM	2503.50	H	130	211	9.40	1 / 18	11.27	20.67	0.117	33.01	-12.34
	$\pi/2$ BPSK	2501.00	H	130	211	9.40	1 / 1	11.93	21.33	0.136	33.01	-11.68
	$\pi/2$ BPSK	2592.99	H	137	221	9.53	1 / 1	9.68	19.20	0.083	33.01	-13.81
100 MHz	$\pi/2$ BPSK	2685.00	H	130	213	9.65	1 / 1	10.75	20.40	0.110	33.01	-12.61
	QPSK	2501.00	H	130	211	9.40	1 / 1	11.94	21.34	0.136	33.01	-11.68
	QPSK	2592.99	H	137	221	9.53	1 / 1	9.86	19.39	0.087	33.01	-13.62
	QPSK	2685.00	H	130	213	9.65	1 / 1	10.78	20.42	0.110	33.01	-12.59
	16-QAM	2501.00	H	130	211	9.40	1 / 1	11.25	20.65	0.116	33.01	-12.36
	QPSK (CP-OFDM)	2546.01	H	134	215	9.46	1 / 136	10.63	20.09	0.102	33.01	-12.92
100 MHz	QPSK (Opposite Pol.)	2546.01	V	127	262	9.46	1 / 136	9.97	19.43	0.088	33.01	-13.58
	QPSK (WCP)	2546.01	H	138	211	9.46	1 / 136	9.90	19.36	0.086	33.01	-13.65

Table 7-48. EIRP Data (NR Band n41 – Ant B - Switching)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-04-R2.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 222 of 274

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	141	201	9.16	1 / 49	10.24	19.40	0.087	23.98	-4.58
	16-QAM	2310.0	H	141	201	9.16	1 / 49	9.38	18.54	0.071	23.98	-5.44
5 MHz	QPSK	2307.5	H	141	201	9.16	1 / 0	10.38	19.54	0.090	23.98	-4.44
	QPSK	2310.0	H	141	201	9.16	1 / 0	10.41	19.57	0.091	23.98	-4.41
	QPSK	2312.5	H	141	201	9.17	1 / 12	10.38	19.54	0.090	23.98	-4.43
	16-QAM	2307.5	H	141	201	9.16	1 / 0	9.37	18.53	0.071	23.98	-5.45
10 MHz	Opposite Pol.	2310.0	V	224	234	9.16	1 / 0	8.79	17.95	0.062	23.98	-6.03
	WCP	2310.0	H	144	201	9.16	1 / 49	9.92	19.08	0.081	23.98	-4.90

Table 7-49. 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	161	195	9.40	1 / 50	9.35	18.75	0.075	33.01	-14.26
	QPSK	2535.0	H	176	186	9.44	1 / 50	9.49	18.93	0.078	33.01	-14.08
	QPSK	2560.0	H	151	200	9.48	1 / 0	9.28	18.76	0.075	33.01	-14.25
	16-QAM	2535.0	H	176	186	9.44	1 / 50	8.71	18.15	0.065	33.01	-14.86
15 MHz	QPSK	2507.5	H	161	195	9.40	1 / 74	9.31	18.71	0.074	33.01	-14.30
	QPSK	2535.0	H	176	186	9.44	1 / 74	9.62	19.06	0.081	33.01	-13.95
	QPSK	2562.5	H	151	200	9.48	1 / 37	9.17	18.65	0.073	33.01	-14.36
	16-QAM	2535.0	H	176	186	9.44	1 / 74	8.84	18.28	0.067	33.01	-14.73
10 MHz	QPSK	2505.0	H	161	195	9.40	1 / 0	9.37	18.76	0.075	33.01	-14.25
	QPSK	2535.0	H	176	186	9.44	1 / 0	9.60	19.04	0.080	33.01	-13.97
	QPSK	2565.0	H	151	200	9.48	1 / 0	9.20	18.69	0.074	33.01	-14.32
	16-QAM	2535.0	H	176	186	9.44	1 / 0	8.87	18.31	0.068	33.01	-14.70
5 MHz	QPSK	2502.5	H	161	195	9.39	1 / 12	9.35	18.74	0.075	33.01	-14.27
	QPSK	2535.0	H	176	186	9.44	1 / 12	9.62	19.06	0.080	33.01	-13.95
	QPSK	2567.5	H	151	200	9.49	1 / 24	9.10	18.58	0.072	33.01	-14.43
	16-QAM	2535.0	H	176	186	9.44	1 / 12	8.89	18.33	0.068	33.01	-14.68
20 MHz	Opposite Pol.	2535.0	V	178	292	9.44	1 / 99	9.36	18.80	0.076	33.01	-14.21
	WCP	2535.0	H	171	188	9.44	1 / 50	9.18	18.62	0.073	33.01	-14.39

Table 7-50. 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	141	226	9.40	1 / 50	10.36	19.76	0.095	33.01	-13.25
	QPSK	2593.0	H	148	231	9.53	1 / 50	10.25	19.78	0.095	33.01	-13.24
	QPSK	2680.0	H	148	241	9.65	1 / 0	10.03	19.68	0.093	33.01	-13.33
	16-QAM	2593.0	H	148	231	9.53	1 / 50	9.81	19.34	0.086	33.01	-13.68
15 MHz	QPSK	2503.5	H	141	226	9.39	1 / 50	10.36	19.76	0.095	33.01	-13.26
	QPSK	2593.0	H	148	231	9.53	1 / 50	10.24	19.76	0.095	33.01	-13.25
	QPSK	2682.5	H	148	241	9.65	1 / 50	9.96	19.61	0.092	33.01	-13.40
	16-QAM	2593.0	H	148	231	9.53	1 / 50	9.79	19.32	0.085	33.01	-13.69
10 MHz	QPSK	2501.0	H	141	226	9.39	1 / 99	10.31	19.70	0.093	33.01	-13.31
	QPSK	2593.0	H	148	231	9.53	1 / 50	10.22	19.75	0.094	33.01	-13.26
	QPSK	2685.0	H	148	241	9.66	1 / 50	9.95	19.61	0.091	33.01	-13.40
	16-QAM	2593.0	H	148	231	9.53	1 / 50	9.81	19.33	0.086	33.01	-13.68
5 MHz	QPSK	2498.5	H	141	226	9.39	1 / 0	10.18	19.56	0.090	33.01	-13.45
	QPSK	2593.0	H	148	231	9.53	1 / 99	10.24	19.76	0.095	33.01	-13.25
	QPSK	2687.5	H	148	241	9.66	1 / 50	9.67	19.33	0.086	33.01	-13.68
	16-QAM	2593.0	H	148	231	9.53	1 / 99	9.42	18.95	0.079	33.01	-14.06
20 MHz	Opposite Pol.	2593.0	V	150	240	9.53	1 / 50	9.71	19.24	0.084	33.01	-13.78
	WCP	2593.0	H	148	231	9.53	1 / 50	9.88	19.41	0.087	33.01	-13.61

Table 7-51. EIRP Data (LTE Band 41(PC3)/38 – Ant B)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2408260064-04-R2.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset		Page 223 of 274

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	150	206	9.16	1 / 50	11.92	21.08	0.128	23.98	-2.90
	QPSK	2310.0	H	150	206	9.16	1 / 26	11.82	20.98	0.125	23.98	-3.00
	16-QAM	2310.0	H	150	206	9.16	1 / 50	10.93	20.09	0.102	23.98	-3.89
5 MHz	$\pi/2$ BPSK	2307.5	H	150	206	9.16	1 / 12	12.11	21.27	0.134	23.98	-2.71
	$\pi/2$ BPSK	2310.0	H	150	206	9.16	1 / 12	11.98	21.14	0.130	23.98	-2.83
	$\pi/2$ BPSK	2312.5	H	150	206	9.17	1 / 1	11.86	21.02	0.127	23.98	-2.96
	QPSK	2307.5	H	150	206	9.16	1 / 12	11.87	21.03	0.127	23.98	-2.95
	QPSK	2310.0	H	150	206	9.16	1 / 12	11.68	20.84	0.121	23.98	-3.14
	QPSK	2312.5	H	150	206	9.17	1 / 1	11.61	20.78	0.120	23.98	-3.20
	16-QAM	2307.5	H	150	206	9.16	1 / 12	10.88	20.04	0.101	23.98	-3.94
10 MHz	QPSK (CP-OFDM)	2310.0	H	151	214	9.16	1 / 50	11.88	21.04	0.127	23.98	-2.94
	Opposite Pol.	2310.0	V	197	306	9.16	1 / 50	10.40	19.56	0.090	23.98	-4.42
	WCP	2310.0	H	148	214	9.16	1 / 1	11.80	20.96	0.125	23.98	-3.02

Table 7-52. EIRP Data (NR Band n30 – Ant A)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-04-R2.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 224 of 274

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	129	232	9.42	1 / 135	10.00	19.42	0.087	33.01	-13.59
	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 135	9.96	19.40	0.087	33.01	-13.61
	$\pi/2$ BPSK	2545.0	H	124	233	9.46	1 / 1	9.86	19.32	0.086	33.01	-13.69
	QPSK	2525.0	H	129	232	9.42	1 / 135	9.84	19.26	0.084	33.01	-13.75
	QPSK	2535.0	H	114	232	9.44	1 / 135	10.00	19.44	0.088	33.01	-13.57
	QPSK	2545.0	H	124	233	9.46	1 / 1	9.95	19.41	0.087	33.01	-13.60
40 MHz	16-QAM	2535.0	H	114	232	9.44	1 / 135	8.94	18.38	0.069	33.01	-14.63
	$\pi/2$ BPSK	2520.0	H	129	232	9.42	1 / 108	9.84	19.26	0.084	33.01	-13.75
	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 1	9.27	18.71	0.074	33.01	-14.30
	$\pi/2$ BPSK	2550.0	H	124	233	9.46	1 / 108	9.48	18.94	0.078	33.01	-14.07
	QPSK	2520.0	H	129	232	9.42	1 / 214	9.51	18.92	0.078	33.01	-14.09
	QPSK	2535.0	H	114	232	9.44	1 / 1	9.23	18.67	0.074	33.01	-14.34
35 MHz	QPSK	2550.0	H	124	233	9.46	1 / 108	9.75	19.21	0.083	33.01	-13.80
	16-QAM	2520.0	H	129	232	9.42	1 / 108	8.68	18.09	0.064	33.01	-14.92
	$\pi/2$ BPSK	2517.5	H	129	232	9.41	1 / 90	8.69	18.10	0.065	33.01	-14.91
	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 1	10.32	19.76	0.095	33.01	-13.25
	$\pi/2$ BPSK	2552.5	H	124	233	9.47	1 / 90	9.54	19.01	0.080	33.01	-14.00
	QPSK	2517.5	H	129	232	9.41	1 / 90	8.95	18.36	0.069	33.01	-14.65
30 MHz	QPSK	2535.0	H	114	232	9.44	1 / 186	9.93	19.37	0.086	33.01	-13.64
	QPSK	2552.5	H	124	233	9.47	1 / 90	9.64	19.11	0.081	33.01	-13.90
	16-QAM	2535.0	H	114	232	9.44	1 / 1	8.95	18.39	0.069	33.01	-14.62
	$\pi/2$ BPSK	2515.0	H	129	232	9.41	1 / 80	10.55	19.96	0.099	33.01	-13.05
	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 1	10.37	19.81	0.096	33.01	-13.20
	$\pi/2$ BPSK	2555.0	H	124	233	9.47	1 / 80	9.56	19.02	0.080	33.01	-13.99
25 MHz	QPSK	2515.0	H	129	232	9.41	1 / 80	10.11	19.52	0.090	33.01	-13.49
	QPSK	2535.0	H	114	232	9.44	1 / 158	10.10	19.54	0.090	33.01	-13.47
	QPSK	2555.0	H	124	233	9.47	1 / 80	9.78	19.25	0.084	33.01	-13.76
	16-QAM	2515.0	H	129	232	9.41	1 / 80	9.18	18.59	0.072	33.01	-14.42
	$\pi/2$ BPSK	2512.5	H	129	232	9.41	1 / 66	10.20	19.61	0.091	33.01	-13.40
	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 131	10.25	19.69	0.093	33.01	-13.32
20 MHz	$\pi/2$ BPSK	2557.5	H	124	233	9.47	1 / 66	9.65	19.13	0.082	33.01	-13.89
	QPSK	2512.5	H	129	232	9.41	1 / 66	9.89	19.30	0.085	33.01	-13.71
	QPSK	2535.0	H	114	232	9.44	1 / 131	9.99	19.43	0.088	33.01	-13.58
	QPSK	2557.5	H	124	233	9.47	1 / 1	9.73	19.20	0.083	33.01	-13.81
	16-QAM	2512.5	H	129	232	9.41	1 / 66	9.07	18.47	0.070	33.01	-14.54
	$\pi/2$ BPSK	2510.0	H	129	232	9.40	1 / 104	10.28	19.68	0.093	33.01	-13.33
15 MHz	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 1	10.83	20.27	0.107	33.01	-12.74
	$\pi/2$ BPSK	2560.0	H	124	233	9.48	1 / 1	9.86	19.33	0.086	33.01	-13.68
	QPSK	2510.0	H	129	232	9.40	1 / 53	10.39	19.79	0.095	33.01	-13.22
	QPSK	2535.0	H	114	232	9.44	1 / 1	10.66	20.10	0.102	33.01	-12.91
	QPSK	2560.0	H	124	233	9.48	1 / 1	10.24	19.72	0.094	33.01	-13.29
	16-QAM	2510.0	H	129	232	9.40	1 / 53	9.47	18.87	0.077	33.01	-14.14
10 MHz	$\pi/2$ BPSK	2507.5	H	129	232	9.40	1 / 39	10.54	19.94	0.099	33.01	-13.07
	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 1	10.76	20.20	0.105	33.01	-12.81
	$\pi/2$ BPSK	2562.5	H	124	233	9.48	1 / 1	9.96	19.44	0.088	33.01	-13.57
	QPSK	2507.5	H	129	232	9.40	1 / 39	10.26	19.66	0.092	33.01	-13.35
	QPSK	2535.0	H	114	232	9.44	1 / 1	10.62	20.06	0.102	33.01	-12.95
	QPSK	2562.5	H	124	233	9.48	1 / 1	10.17	19.65	0.092	33.01	-13.36
5 MHz	16-QAM	2535.0	H	114	232	9.44	1 / 1	9.59	19.03	0.080	33.01	-13.98
	$\pi/2$ BPSK	2505.0	H	129	232	9.40	1 / 50	10.27	19.67	0.093	33.01	-13.34
	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 26	10.71	20.15	0.104	33.01	-12.86
	$\pi/2$ BPSK	2565.0	H	124	233	9.48	1 / 50	9.98	19.46	0.088	33.01	-13.55
	QPSK	2505.0	H	129	232	9.40	1 / 26	10.24	19.64	0.092	33.01	-13.37
	QPSK	2535.0	H	114	232	9.44	1 / 1	10.45	19.89	0.098	33.01	-13.12
50 MHz	QPSK	2565.0	H	124	233	9.48	1 / 1	10.28	19.76	0.095	33.01	-13.25
	16-QAM	2505.0	H	129	232	9.40	1 / 26	9.46	18.86	0.077	33.01	-14.15
	$\pi/2$ BPSK	2502.5	H	129	232	9.39	1 / 23	10.03	19.43	0.088	33.01	-13.58
	$\pi/2$ BPSK	2535.0	H	114	232	9.44	1 / 1	10.66	20.10	0.102	33.01	-12.91
	$\pi/2$ BPSK	2567.5	H	124	233	9.49	1 / 12	9.89	19.37	0.087	33.01	-13.64
	QPSK	2502.5	H	129	232	9.39	1 / 23	9.90	19.29	0.085	33.01	-13.72
50 MHz	QPSK	2535.0	H	114	232	9.44	1 / 12	10.55	19.99	0.100	33.01	-13.02
	QPSK	2567.5	H	124	233	9.49	1 / 23	10.19	19.68	0.093	33.01	-13.33
	16-QAM	2502.5	H	129	232	9.39	1 / 23	9.40	18.79	0.076	33.01	-14.22
50 MHz	QPSK (CP-OFDM)	2520.0	H	127	231	9.44	1 / 1	7.94	17.38	0.055	33.01	-15.63
	QPSK (Opposite Pol.)	2520.0	V	136	265	9.44	1 / 1	9.61	19.05	0.080	33.01	-13.96
	QPSK (WCP)	2520.0	H	127	225	9.44	1 / 1	9.69	19.13	0.082	33.01	-13.88

Table 7-53. EIRP Data (NR Band n7 – 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]
100 MHz	$\pi/2$ BPSK	2546.01	H	125	230	9.46	1 / 136	9.76	19.22	0.083	33.01	-13.79
	$\pi/2$ BPSK	2592.99	H	110	232	9.53	1 / 1	10.11	19.64	0.092	33.01	-13.38
	$\pi/2$ BPSK	2640.00	H	116	232	9.59	1 / 136	9.74	19.33	0.086	33.01	-13.68
	QPSK	2546.01	H	125	230	9.46	1 / 136	9.08	18.54	0.071	33.01	-14.47
	QPSK	2592.99	H	110	232	9.53	1 / 1	9.47	19.00	0.079	33.01	-14.02
	QPSK	2640.00	H	116	232	9.59	1 / 136	8.92	18.51	0.071	33.01	-14.50
100 MHz	16-QAM	2592.99	H	110	232	9.53	1 / 1	8.68	18.21	0.066	33.01	-14.81
	QPSK (CP-OFDM)	2593.0	H	131	230	9.41	1 / 1	8.43	17.84	0.061	33.01	-15.17
	QPSK (Opposite Pol.)	2593.0	V	132	266	9.41	1 / 1	8.79	18.20	0.066	33.01	-14.81

Table 7-54. EIRP Data (NR Band n41 – Ant B - Default)

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	108	322	9.46	1 / 271	7.63	17.09	0.051	33.01	-15.92
	$\pi/2$ BPSK	2592.99	H	100	314	9.53	1 / 136	11.20	20.73	0.118	33.01	-12.29
	$\pi/2$ BPSK	2640.00	H	100	314	9.59	1 / 1	11.95	21.54	0.143	33.01	-11.47
	QPSK	2546.01	H	108	322	9.46	1 / 271	7.61	17.07	0.051	33.01	-15.94
	QPSK	2592.99	H	100	314	9.53	1 / 136	11.08	20.61	0.115	33.01	-12.41
	QPSK	2640.00	H	100	314	9.59	1 / 1	11.85	21.44	0.139	33.01	-11.57
100 MHz	16-QAM	2640.00	H	100	314	9.59	1 / 1	11.06	20.65	0.116	33.01	-12.36
	QPSK (CP-OFDM)	2640.0	H	100	314	9.59	1 / 136	10.47	20.06	0.101	33.01	-12.95
	QPSK (Opposite Pol.)	2640.0	V	291	30	9.59	1 / 136	10.48	20.07	0.102	33.01	-12.94

Table 7-55. EIRP Data (NR Band n41 – Ant F- Switching)

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	123	229	9.46	1 / 136	8.51	17.97	0.063	33.01	-15.04
	$\pi/2$ BPSK	2592.99	H	116	228	9.53	1 / 1	9.11	18.64	0.073	33.01	-14.38
	$\pi/2$ BPSK	2640.00	H	108	231	9.59	1 / 1	8.29	17.88	0.061	33.01	-15.13
	QPSK	2546.01	H	123	229	9.46	1 / 136	7.69	17.15	0.052	33.01	-15.86
	QPSK	2592.99	H	116	228	9.53	1 / 1	8.51	18.04	0.064	33.01	-14.98
	QPSK	2640.00	H	108	231	9.59	1 / 1	7.51	17.10	0.051	33.01	-15.91
100 MHz	16-QAM	2592.99	H	116	228	9.53	1 / 1	7.53	17.06	0.051	33.01	-15.96
	QPSK (CP-OFDM)	2593.0	H	107	231	9.53	1 / 1	6.56	16.09	0.041	33.01	-16.93
	QPSK (Opposite Pol.)	2593.0	V	114	277	9.53	1 / 1	6.57	16.10	0.041	33.01	-16.92

Table 7-56. EIRP Data (NR Band n41 – Ant E - Default)

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	136	229	9.46	1 / 271	4.94	14.40	0.028	33.01	-18.61
	$\pi/2$ BPSK	2592.99	H	130	225	9.53	1 / 136	6.40	15.93	0.039	33.01	-17.09
	$\pi/2$ BPSK	2640.00	H	132	229	9.59	1 / 1	6.73	16.32	0.043	33.01	-16.69
	QPSK	2546.01	H	136	229	9.46	1 / 271	4.84	14.30	0.027	33.01	-18.71
	QPSK	2592.99	H	130	225	9.53	1 / 136	6.27	15.80	0.038	33.01	-17.22
	QPSK	2640.00	H	132	229	9.59	1 / 1	6.56	16.15	0.041	33.01	-16.86
100 MHz	16-QAM	2640.00	H	132	229	9.59	1 / 1	5.96	15.55	0.036	33.01	-17.46
	QPSK (CP-OFDM)	2640.0	H	118	229	9.59	1 / 1	5.86	15.45	0.035	33.01	-17.56
	QPSK (Opposite Pol.)	2640.0	V	119	277	9.59	1 / 1	4.91	14.50	0.028	33.01	-18.51

Table 7-57. EIRP Data (NR Band n41 – Ant D- Switching)

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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	106	47	9.46	1 / 1	5.57	15.03	0.032	33.01	-17.98
	$\pi/2$ BPSK	2592.99	H	100	45	9.53	1 / 271	5.37	14.90	0.031	33.01	-18.12
	$\pi/2$ BPSK	2640.00	H	120	43	9.59	1 / 136	5.03	14.62	0.029	33.01	-18.39
	QPSK	2546.01	H	106	47	9.46	1 / 136	5.30	14.76	0.030	33.01	-18.25
	QPSK	2592.99	H	100	45	9.53	1 / 1	4.68	14.21	0.026	33.01	-18.81
	QPSK	2640.00	H	120	43	9.59	1 / 136	4.25	13.84	0.024	33.01	-19.17
	16-QAM	2546.01	H	106	47	9.46	1 / 1	3.83	13.29	0.021	33.01	-19.72
100 MHz	QPSK (CP-OFDM)	2546.0	H	136	41	9.46	1 / 136	5.20	14.66	0.029	33.01	-18.35
	QPSK (Opposite Pol.)	2546.0	V	141	20	9.46	1 / 1	4.10	13.56	0.023	33.01	-19.45

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

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	100	47	9.46	1 / 1	2.36	11.82	0.015	33.01	-21.19
	$\pi/2$ BPSK	2592.99	H	100	48	9.53	1 / 271	1.76	11.29	0.013	33.01	-21.73
	$\pi/2$ BPSK	2640.00	H	115	45	9.59	1 / 271	2.78	12.37	0.017	33.01	-20.64
	QPSK	2546.01	H	100	47	9.46	1 / 1	2.37	11.83	0.015	33.01	-21.18
	QPSK	2592.99	H	100	48	9.53	1 / 271	1.77	11.30	0.013	33.01	-21.72
	QPSK	2640.00	H	115	45	9.59	1 / 271	2.76	12.35	0.017	33.01	-20.66
	16-QAM	2640.00	H	115	45	9.59	1 / 271	2.70	12.29	0.017	33.01	-20.72
100 MHz	QPSK (CP-OFDM)	2640.0	H	128	45	9.59	1 / 271	2.83	12.42	0.017	33.01	-20.59
	QPSK (Opposite Pol.)	2640.0	V	161	16	9.59	1 / 271	1.49	11.08	0.013	33.01	-21.93

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

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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.

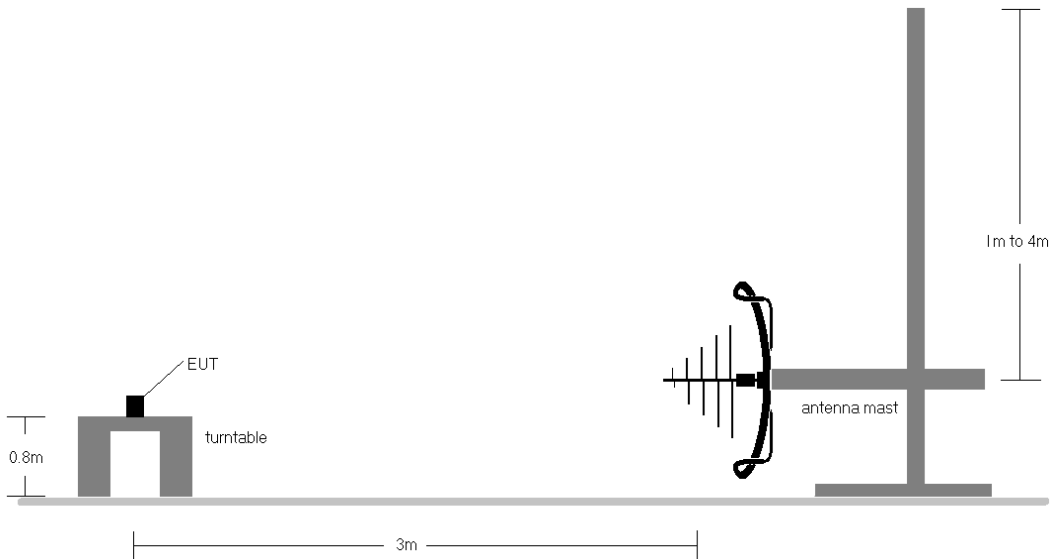


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

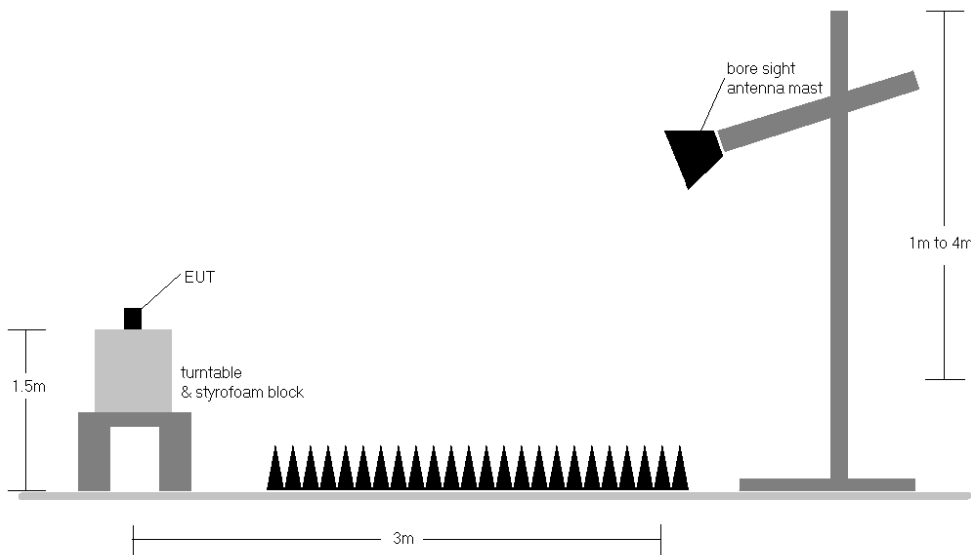


Figure 7-7. Test Instrument & Measurement Setup >1 GHz

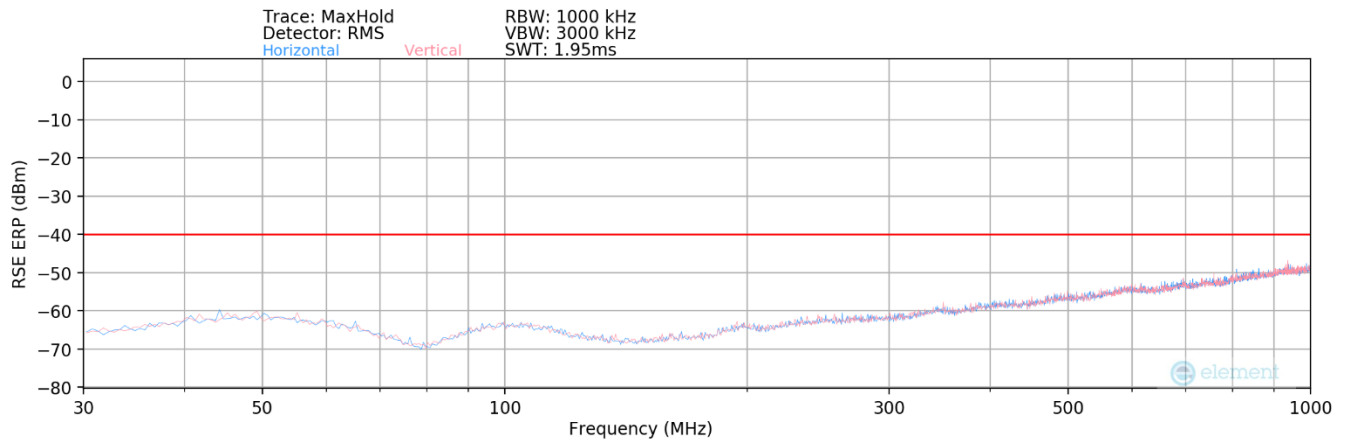
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Test Notes

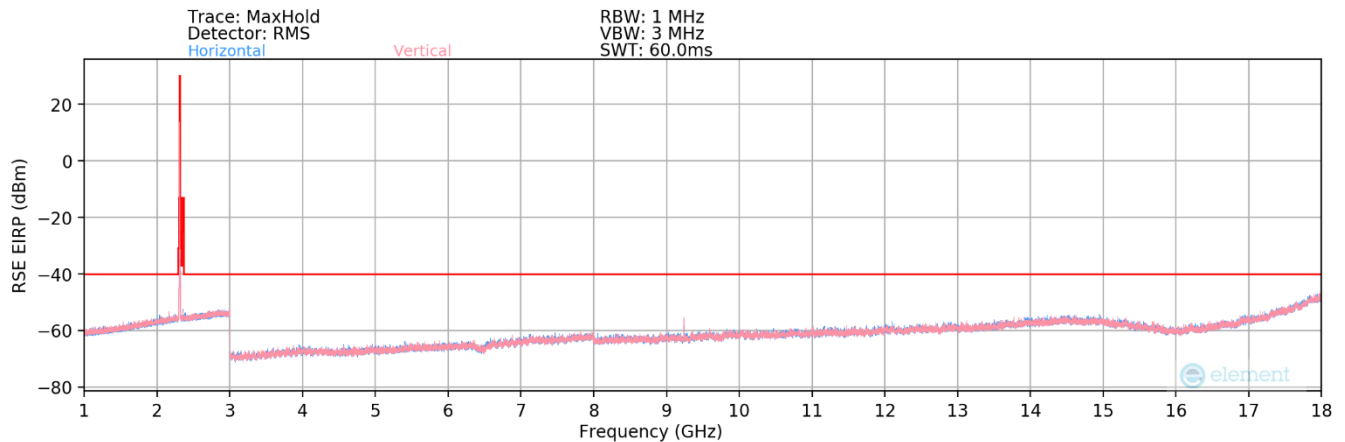
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
 - a) $E(\text{dB}\mu\text{V/m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b) $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V/m}) + 20\log D - 104.8$; 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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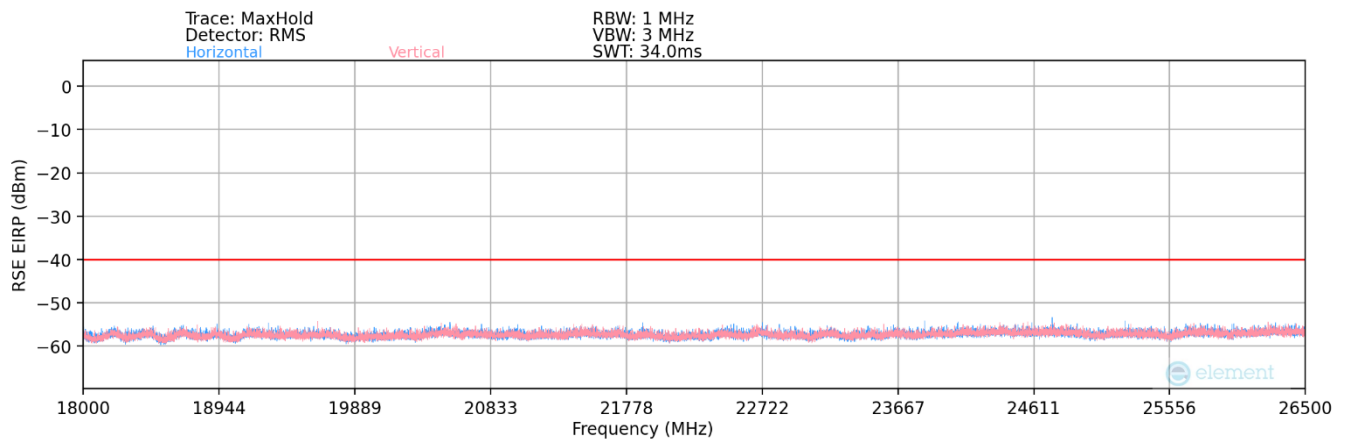
LTE Band 30 – Ant F



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



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



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

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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	-	-	-76.65	1.23	31.58	-63.68	-40.00	-23.68
6930.00	H	-	-	-77.90	5.58	34.68	-60.57	-40.00	-20.57
9240.00	H	105	151	-68.63	9.51	47.88	-47.38	-40.00	-7.38
11550.00	H	-	-	-81.27	12.18	37.91	-57.35	-40.00	-17.35
13860.00	H	-	-	-81.49	15.89	41.40	-53.85	-40.00	-13.85
16170.00	H	-	-	-81.79	14.03	39.24	-56.02	-40.00	-16.02

Table 7-60. Radiated Spurious Data (LTE Band 30 – Mid Channel – Ant F)

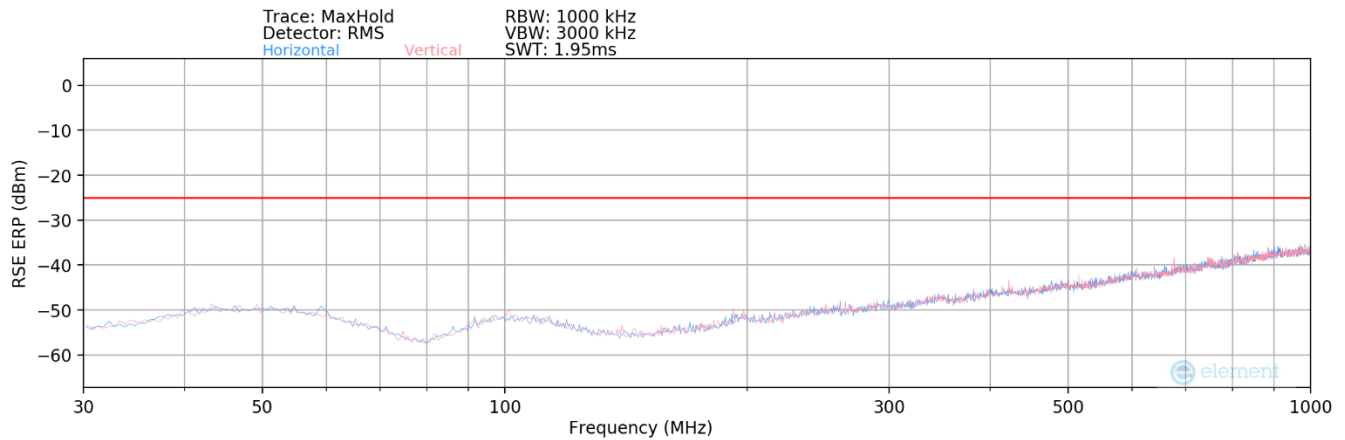
Sample #:	1300M
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1/25

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]
116.28	H	-	-	-97.66	17.23	26.57	-70.84	-40.00	-30.84
516.65	H	-	-	-96.80	24.82	35.02	-62.39	-40.00	-22.39
970.63	H	-	-	-96.75	31.00	41.25	-56.16	-40.00	-16.16

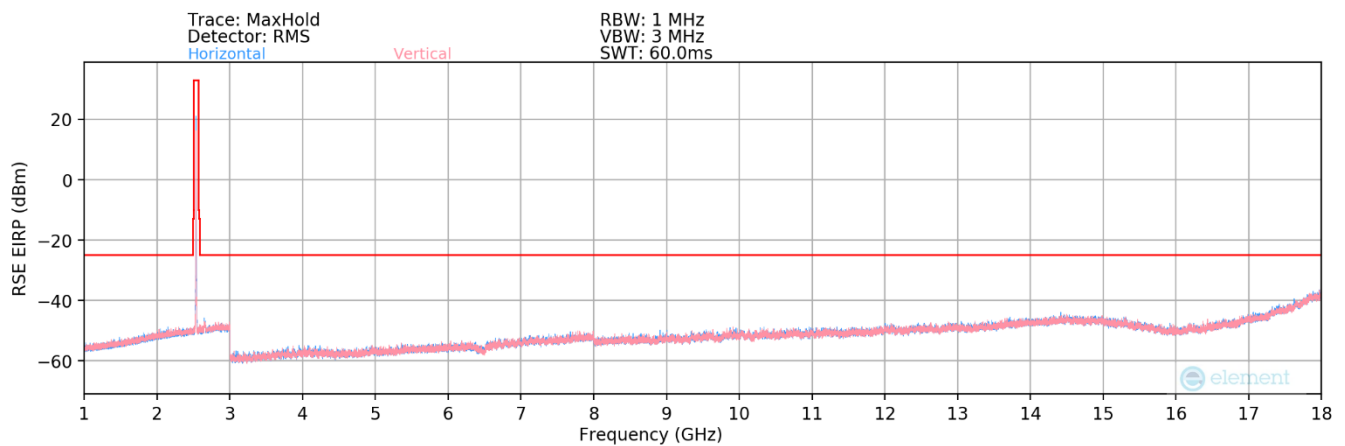
Table 7-61. Radiated Spurious Data (LTE Band 30 – Mid Channel – Ant F)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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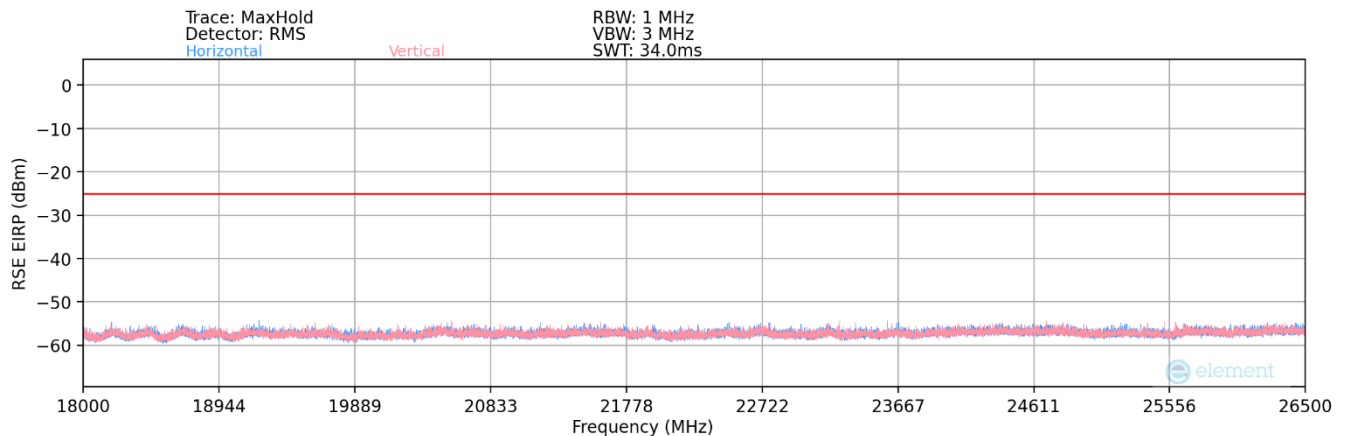
LTE Band 7 – Ant F



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



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



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

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2408260064-04-R2.A3L	Test Dates: 09/03/2024 - 10/22/2024	EUT Type: Portable Handset	Page 233 of 274

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	V	-	-	-76.59	2.30	32.71	-62.54	-25.00	-37.54
7530.00	V	-	-	-78.35	7.01	35.66	-59.60	-25.00	-34.60
10040.00	V	118	101	-78.04	10.74	39.70	-55.56	-25.00	-30.56
12550.00	V	-	-	-81.12	13.73	39.61	-55.65	-25.00	-30.65
15060.00	V	-	-	-81.74	16.68	41.94	-53.32	-25.00	-28.32
17570.00	V	-	-	-81.84	21.36	46.52	-48.74	-25.00	-23.74

Table 7-62. 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	V	-	-	-76.07	2.02	32.95	-62.31	-25.00	-37.31
7605.00	V	-	-	-78.63	7.04	35.41	-59.85	-25.00	-34.85
10140.00	V	104	92	-78.72	11.32	39.60	-55.66	-25.00	-30.66
12675.00	V	-	-	-82.05	14.26	39.21	-56.04	-25.00	-31.04
15210.00	V	-	-	-81.73	16.04	41.31	-53.94	-25.00	-28.94
17745.00	V	-	-	-82.05	23.48	48.43	-46.83	-25.00	-21.83

Table 7-63. 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	V	-	-	-76.37	1.99	32.62	-62.64	-25.00	-37.64
7680.00	V	-	-	-78.51	7.01	35.50	-59.76	-25.00	-34.76
10240.00	V	-	-	-80.87	11.46	37.59	-57.67	-25.00	-32.67
12800.00	V	-	-	-81.29	13.76	39.47	-55.79	-25.00	-30.79
15360.00	V	-	-	-82.42	15.73	40.31	-54.95	-25.00	-29.95
17920.00	V	-	-	-82.05	25.09	50.04	-45.21	-25.00	-20.21

Table 7-64. Radiated Spurious Data (LTE Band 7 – High Channel – Ant F)

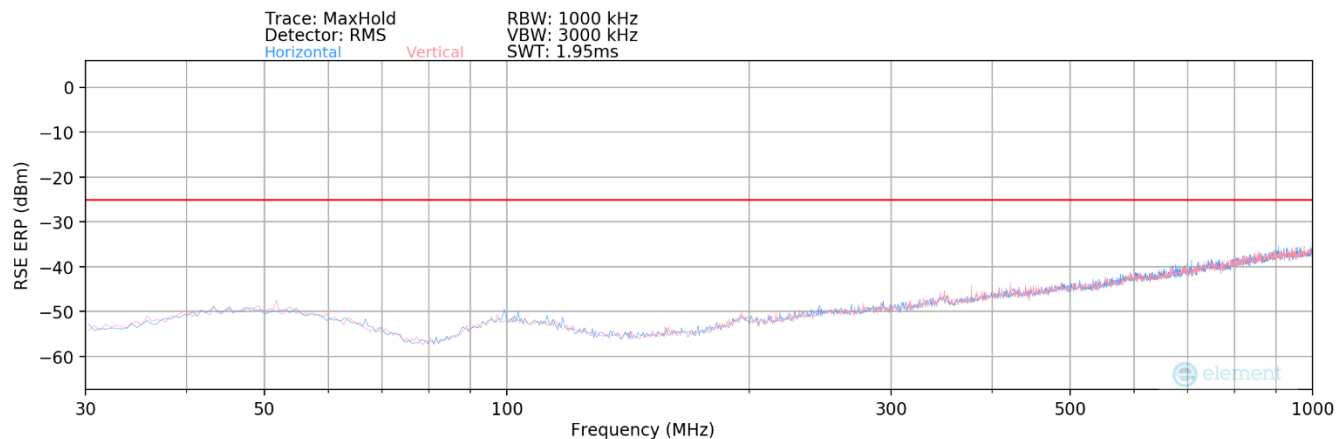
Bandwidth (MHz):	20
Frequency (MHz):	2535.0
RB / Offset:	1 / 50

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]
93.03	V	-	-	-96.74	17.51	27.77	-69.64	-25.00	-44.64
534.74	V	-	-	-95.59	25.01	36.42	-60.98	-25.00	-35.98
949.61	V	-	-	-97.08	30.68	40.60	-56.81	-25.00	-31.81

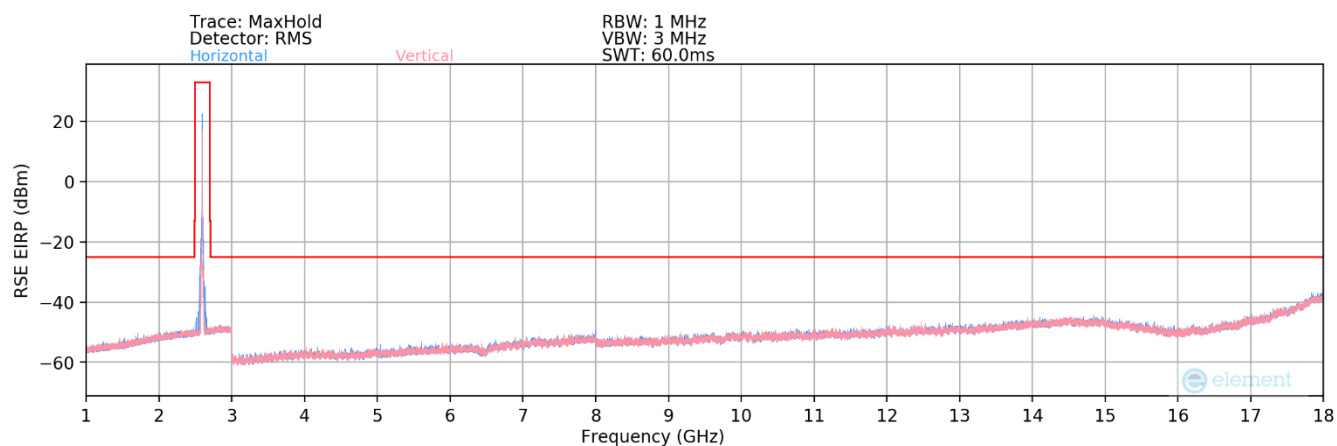
Table 7-65. Radiated Spurious Data (LTE Band 7 – Mid Channel – Ant F)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager	
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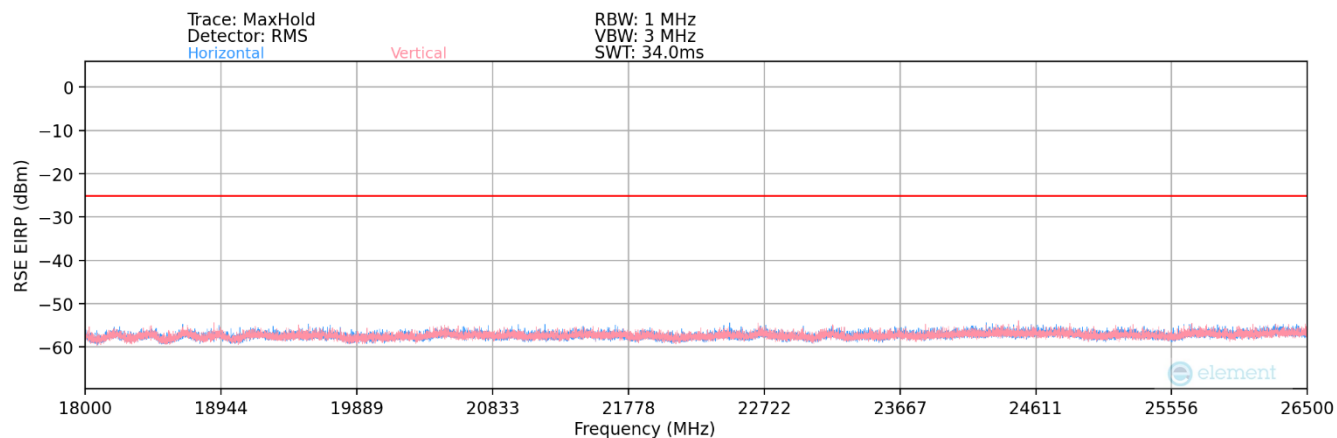
LTE Band 41(PC3)/38 – Ant F



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



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



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

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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	V	-	-	-76.82	2.41	32.59	-62.67	-25.00	-37.67
7518.00	V	-	-	-78.51	6.93	35.42	-59.84	-25.00	-34.84
10024.00	V	-	-	-79.86	10.94	38.08	-57.18	-25.00	-32.18

Table 7-66. 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	V	-	-	-76.67	2.23	32.56	-62.70	-25.00	-37.70
7779.00	V	-	-	-78.69	7.42	35.73	-59.52	-25.00	-34.52
10372.00	V	-	-	-81.03	11.13	37.10	-58.16	-25.00	-33.16

Table 7-67. 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	V	-	-	-76.69	3.12	33.43	-61.83	-25.00	-36.83
8040.00	V	-	-	-78.51	7.42	35.91	-59.34	-25.00	-34.34
10720.00	V	-	-	-80.36	11.57	38.21	-57.04	-25.00	-32.04

Table 7-68. Radiated Spurious Data (LTE Band 41(PC3)/38 – High Channel – Ant F)

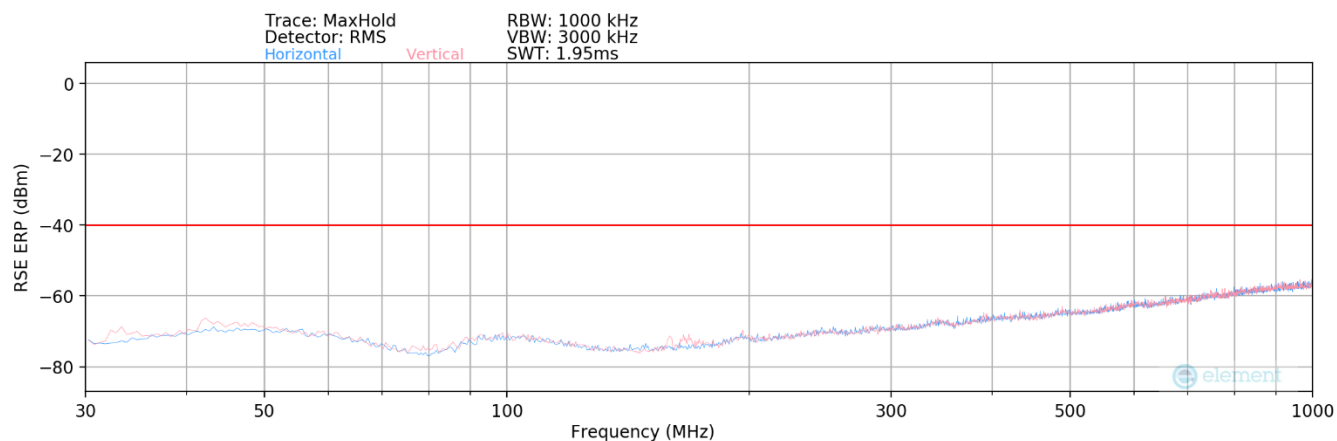
Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1/50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
98.36	H	-	-	-97.35	18.42	28.07	-69.34	-25.00	-44.34
472.90	H	-	-	-96.36	24.21	34.85	-62.56	-25.00	-37.56
886.40	H	-	-	-96.68	30.43	40.75	-56.65	-25.00	-31.65

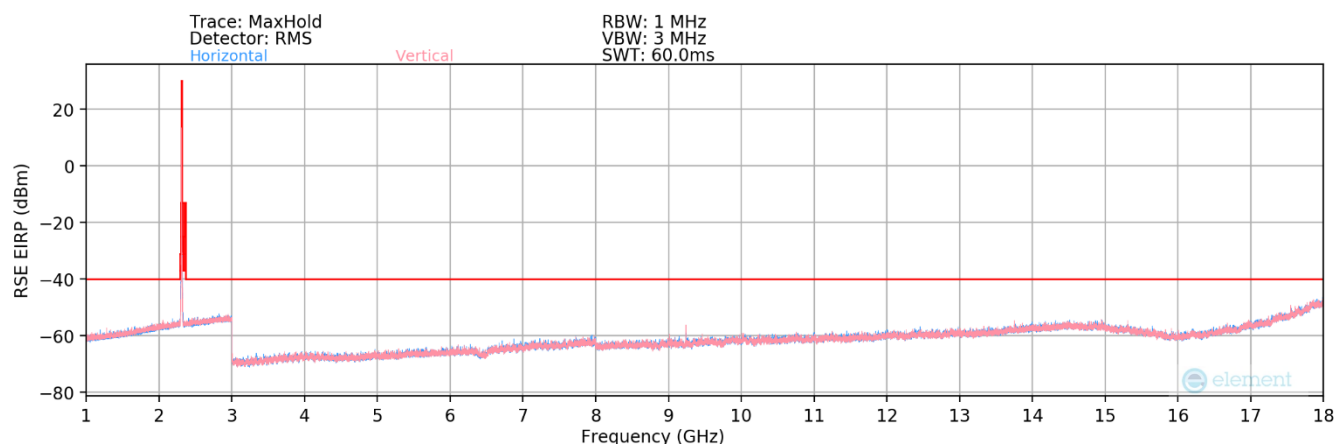
Table 7-69. Radiated Spurious Data (LTE Band 41(PC3)/38 – Mid Channel – Ant F)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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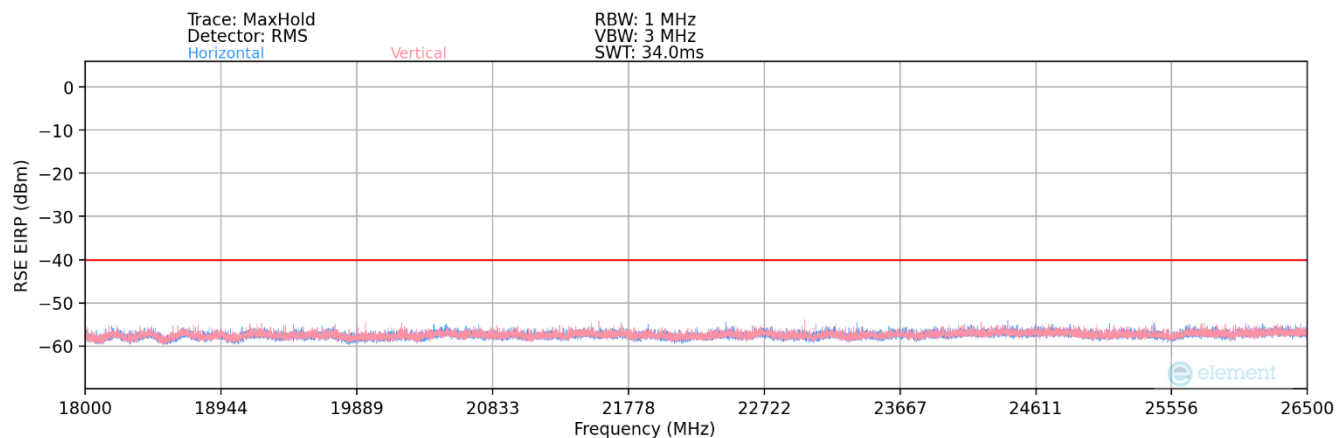
NR Band n30 – Ant F



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



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



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

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
Mode:	Stand Alone

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		101	111	-76.17	1.23	32.06	-63.20	-40.00	-23.20
6930.00		-	-	-78.07	5.58	34.51	-60.74	-40.00	-20.74
9240.00		101	144	-69.72	9.51	46.79	-48.47	-40.00	-8.47
11550.00		-	-	-81.40	12.18	37.78	-57.48	-40.00	-17.48
13860.00		-	-	-81.62	15.89	41.27	-53.98	-40.00	-13.98
16170.00		-	-	-81.84	14.03	39.19	-56.07	-40.00	-16.07

Table 7-70. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant F)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
122.09	V	-	-	-96.89	16.18	26.29	-71.12	-40.00	-31.12
550.73	V	-	-	-95.47	25.49	37.02	-60.39	-40.00	-20.39
988.36	V	-	-	-96.62	31.18	41.56	-55.84	-40.00	-15.84

Table 7-71. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant F)

FCC ID: A3LSMS936U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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