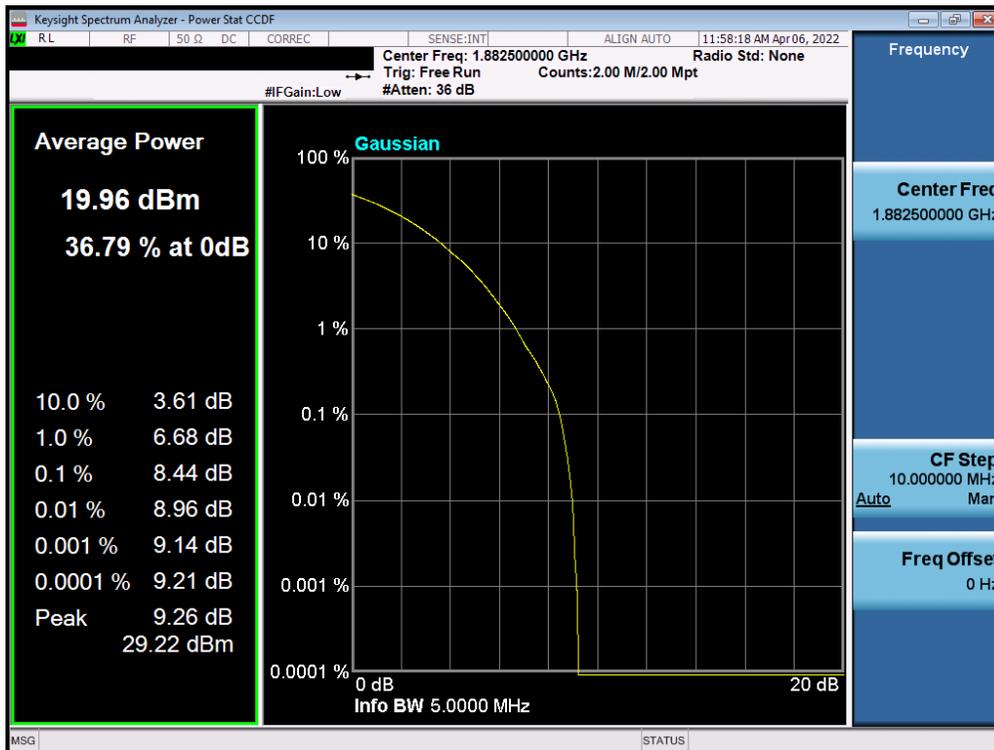
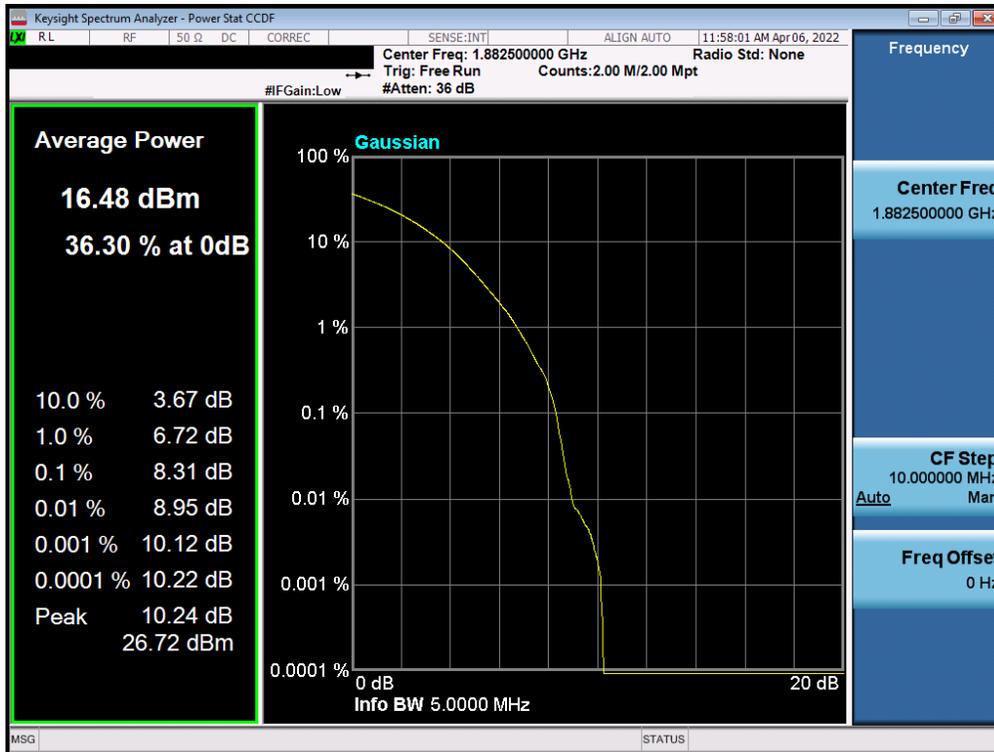


Plot 7-316. PAR Plot (NR Band n25/2 - 5.0MHz DFT-s-OFDM BPSK - Full RB - Ant B)



Plot 7-317. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM QPSK - Full RB - Ant B)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 - 6/20/2022	EUT Type: Portable Handset	Page 183 of 239



Plot 7-318. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM 256-QAM - Full RB - Ant B)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 - 6/20/2022	EUT Type: Portable Handset	Page 184 of 239

### NR Band n25/2 – Ant F



**Plot 7-319. PAR Plot (NR Band n25/2 - 40.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)**



**Plot 7-320. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM QPSK - Full RB - Ant F)**

FCC ID: A3LSMF936U	<b>PART 24 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 185 of 239



**Plot 7-321. PAR Plot (NR Band n25/2 - 40.0MHz CP-OFDM 256-QAM - Full RB - Ant F)**



**Plot 7-322. PAR Plot (NR Band n25/2 - 30.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 186 of 239

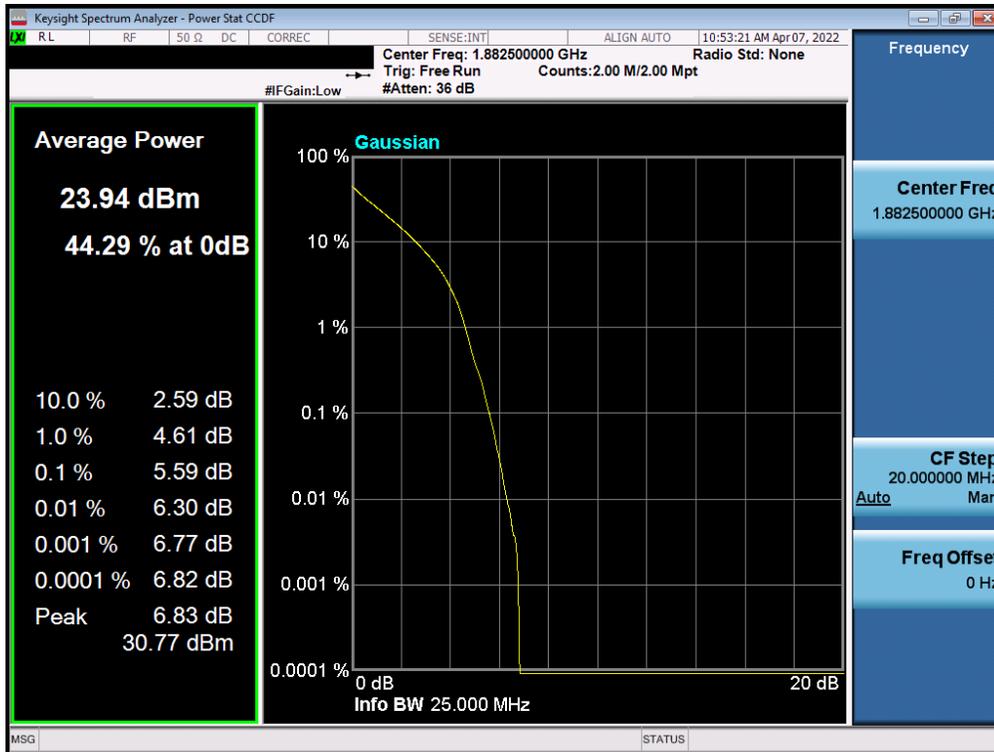


**Plot 7-323. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM QPSK - Full RB - Ant F)**

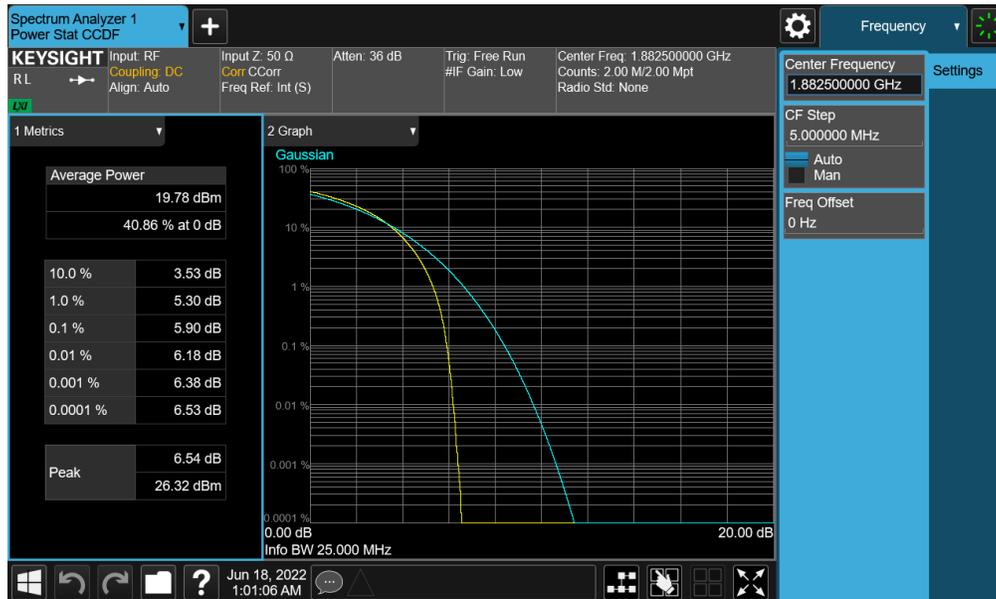


**Plot 7-324. PAR Plot (NR Band n25/2 - 30.0MHz CP-OFDM 256-QAM - Full RB - Ant F)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 187 of 239



Plot 7-325. PAR Plot (NR Band n25/2 - 25.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)

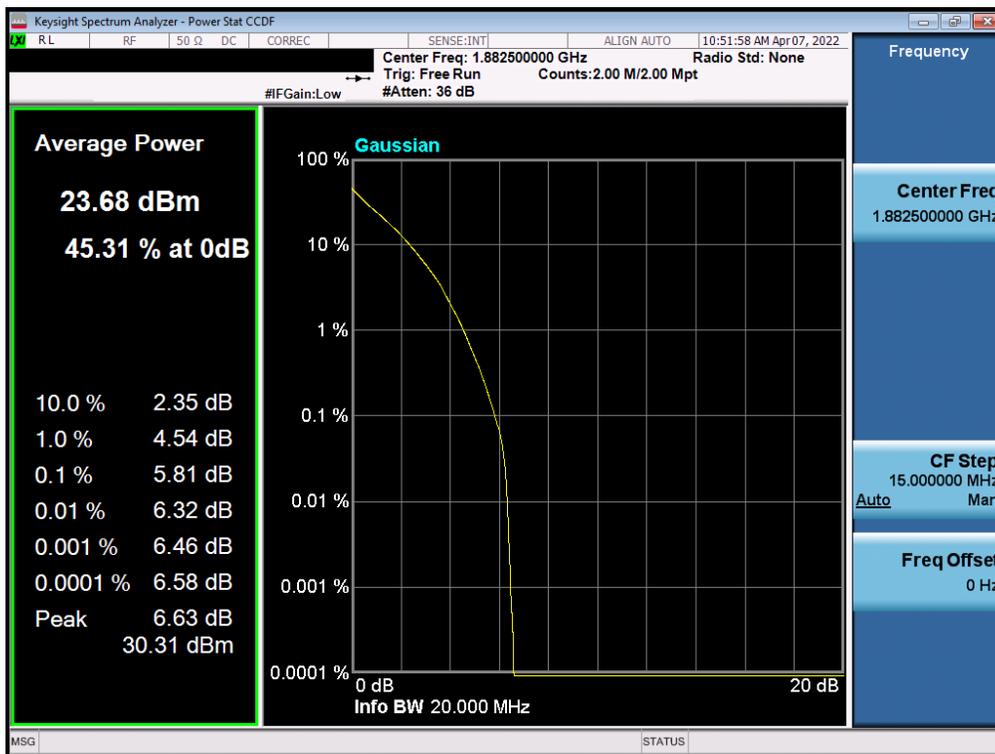


Plot 7-326. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 - 6/20/2022	EUT Type: Portable Handset	Page 188 of 239

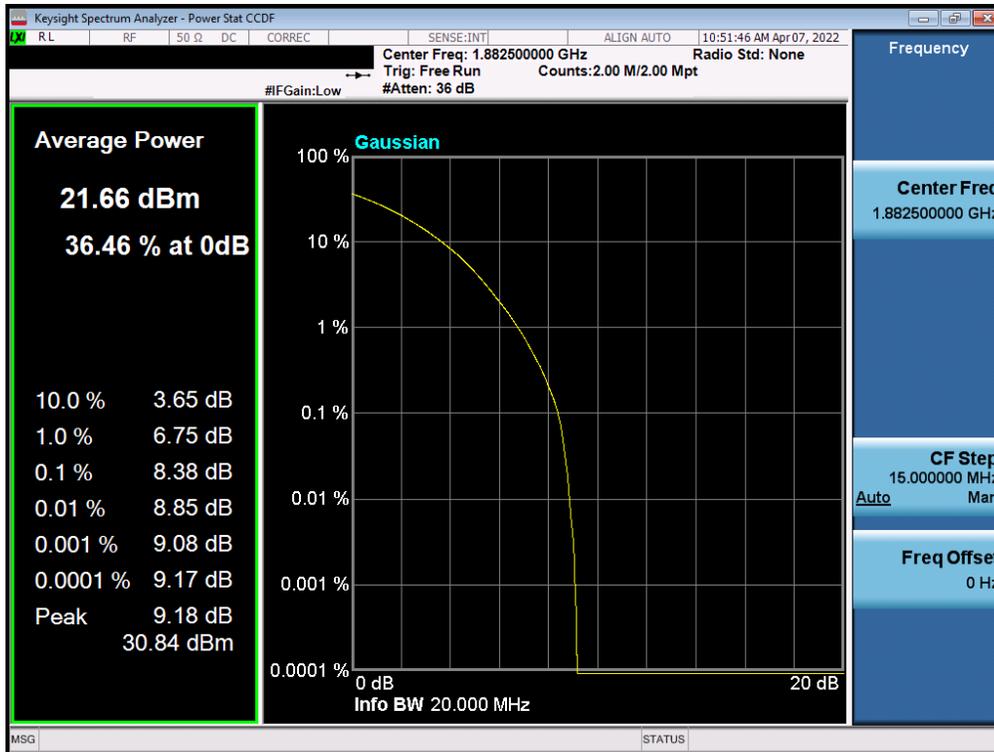


Plot 7-327. PAR Plot (NR Band n25/2 - 25.0MHz CP-OFDM 256-QAM - Full RB - Ant F)

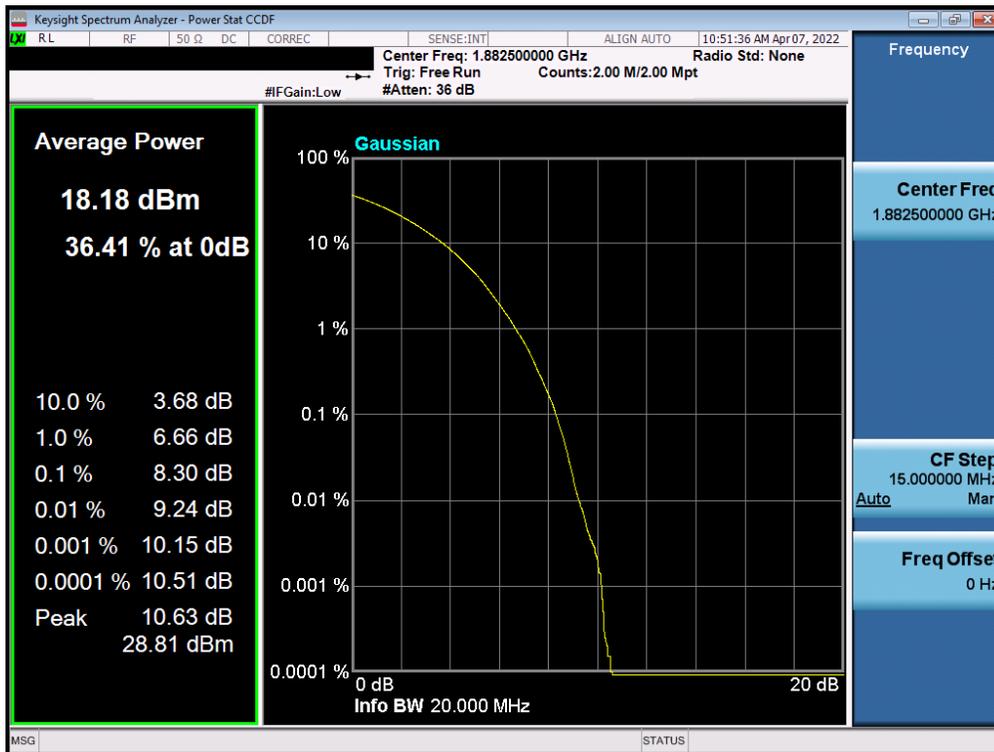


Plot 7-328. PAR Plot (NR Band n25/2 - 20.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 - 6/20/2022	EUT Type: Portable Handset	Page 189 of 239

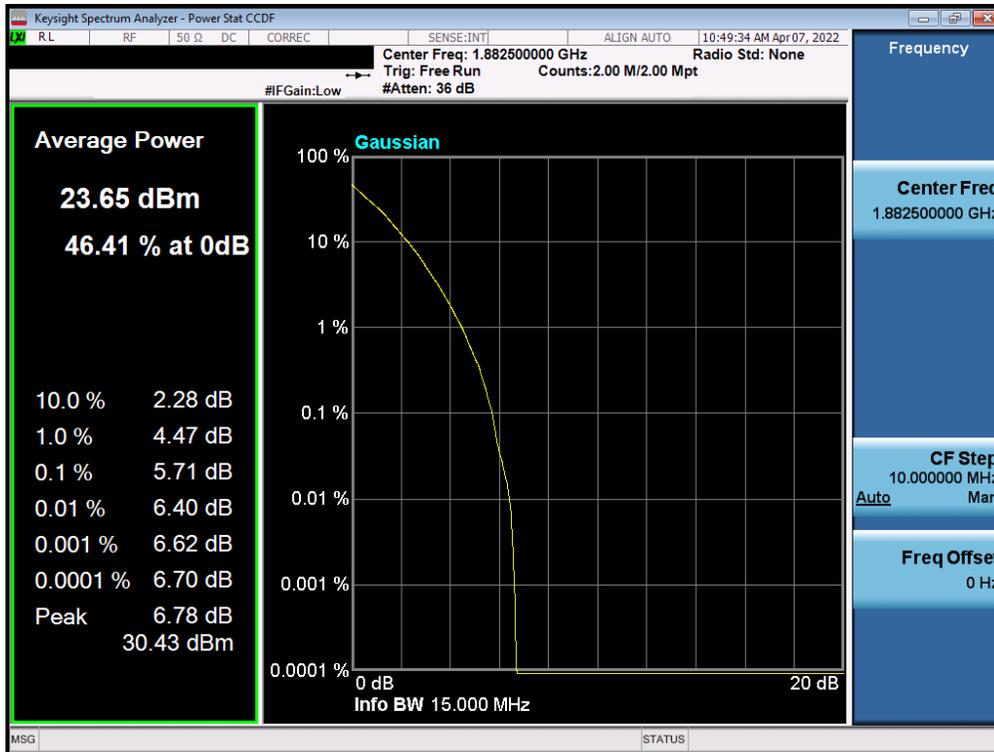


Plot 7-329. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM QPSK - Full RB - Ant F)

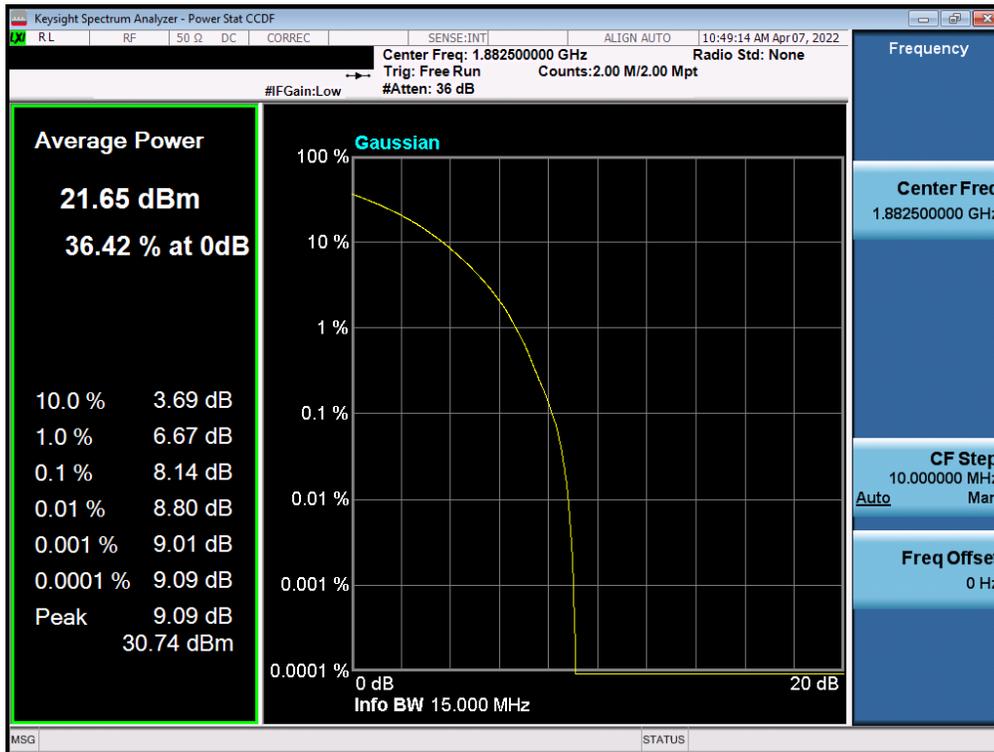


Plot 7-330. PAR Plot (NR Band n25/2 - 20.0MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 - 6/20/2022	EUT Type: Portable Handset	Page 190 of 239

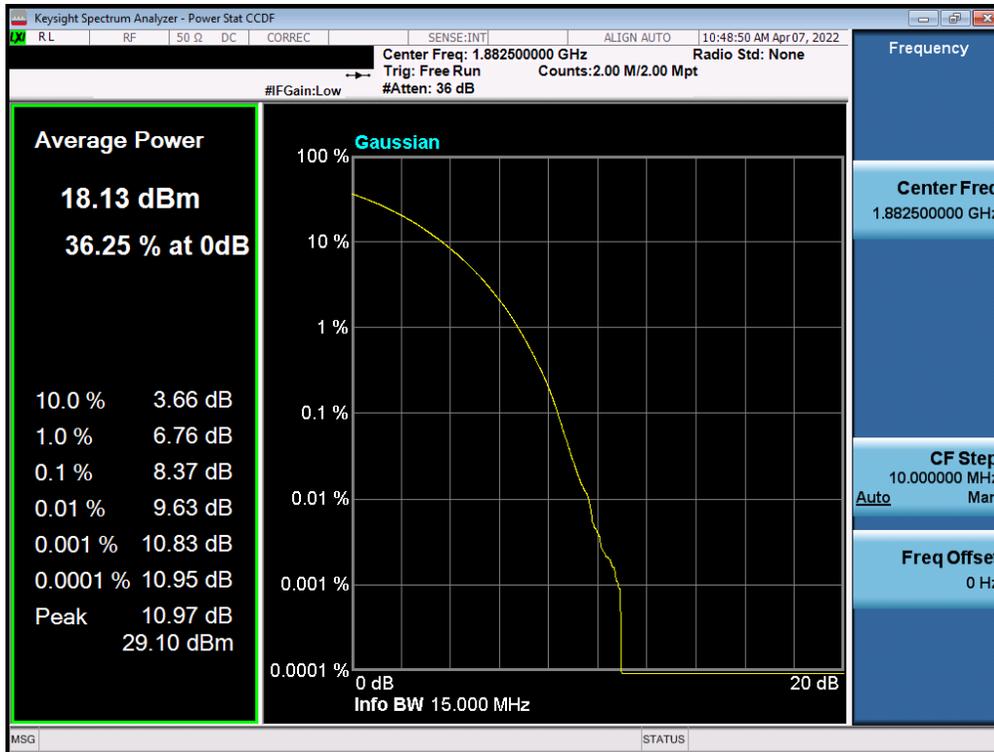


Plot 7-331. PAR Plot (NR Band n25/2 - 15.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)

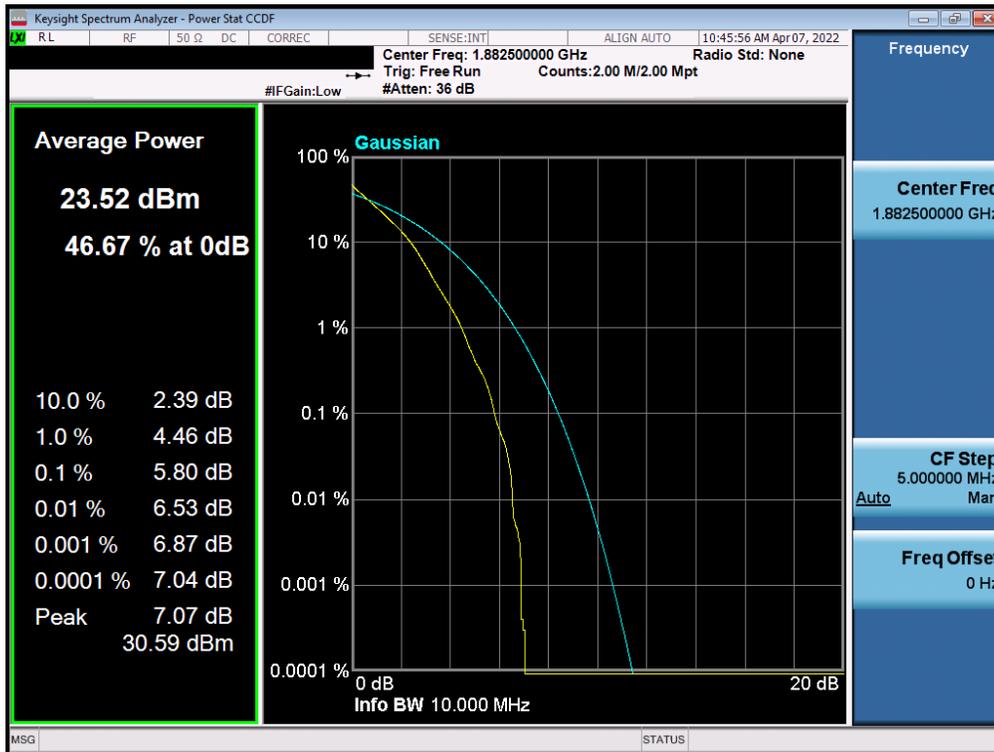


Plot 7-332. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM QPSK - Full RB - Ant F)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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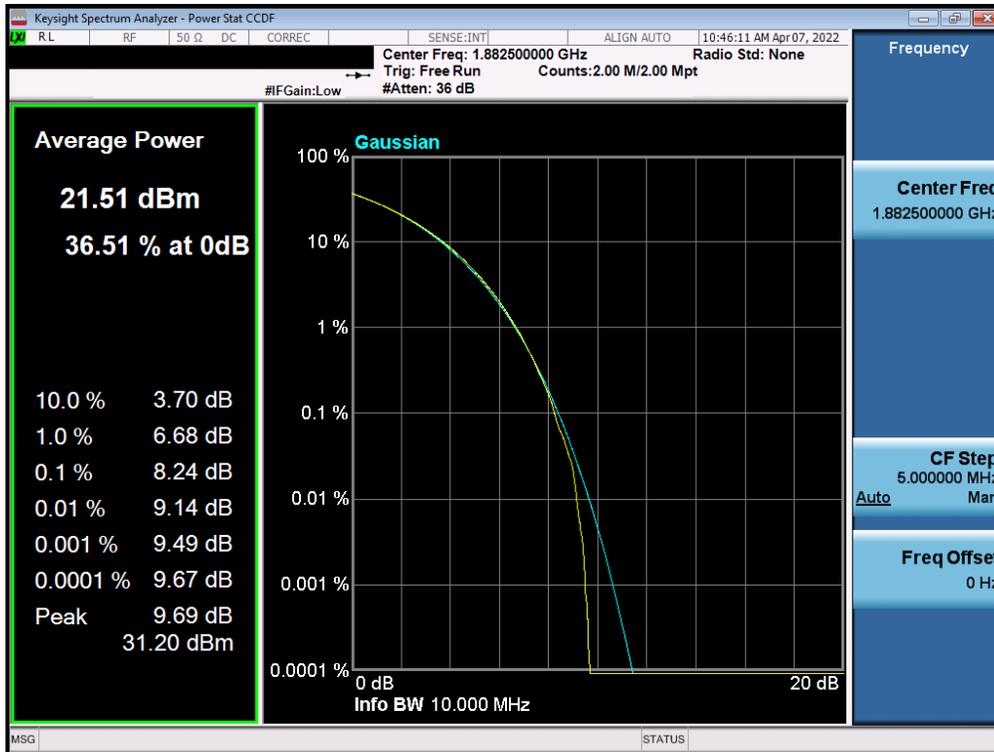


Plot 7-333. PAR Plot (NR Band n25/2 - 15.0MHz CP-OFDM 256-QAM - Full RB - Ant F)

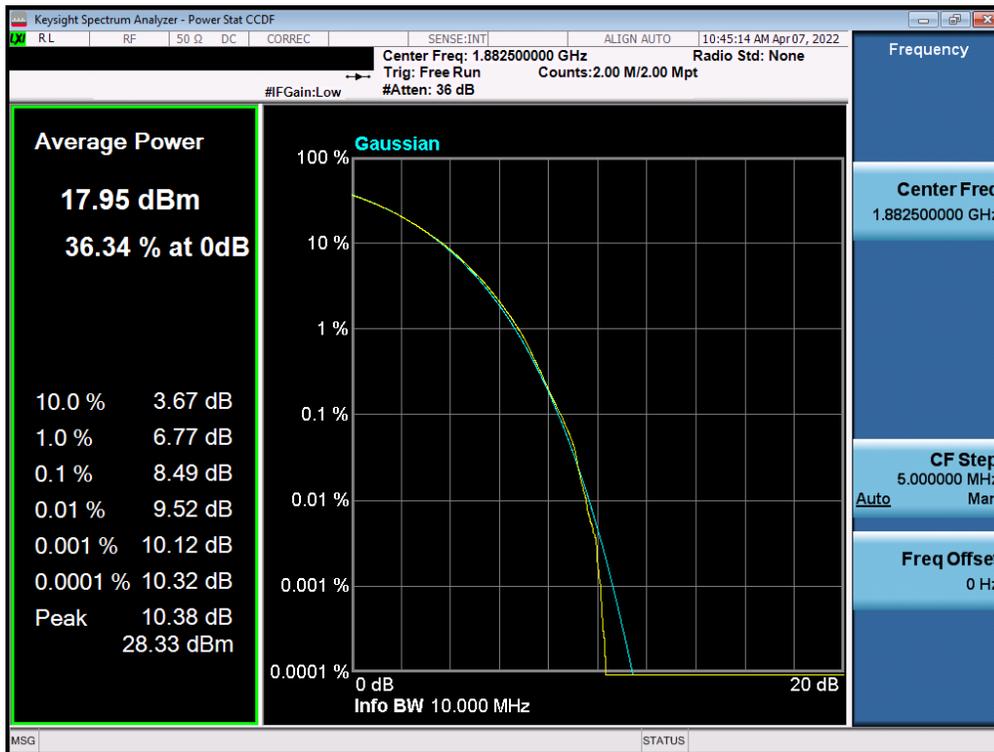


Plot 7-334. PAR Plot (NR Band n25/2 - 10.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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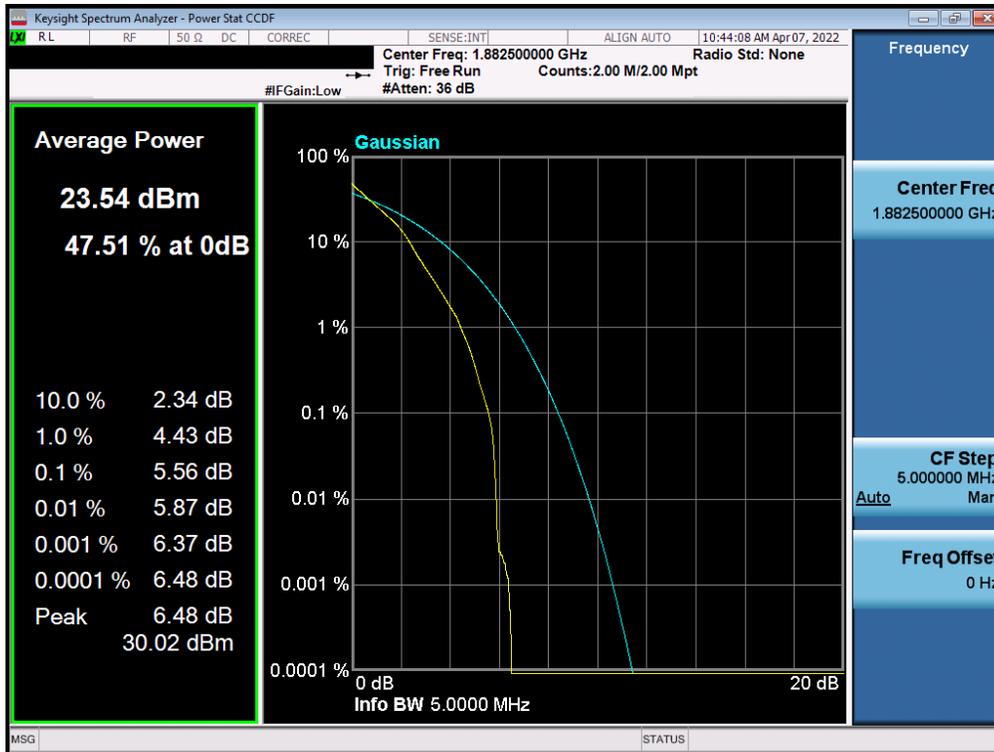


Plot 7-335. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM QPSK - Full RB - Ant F)

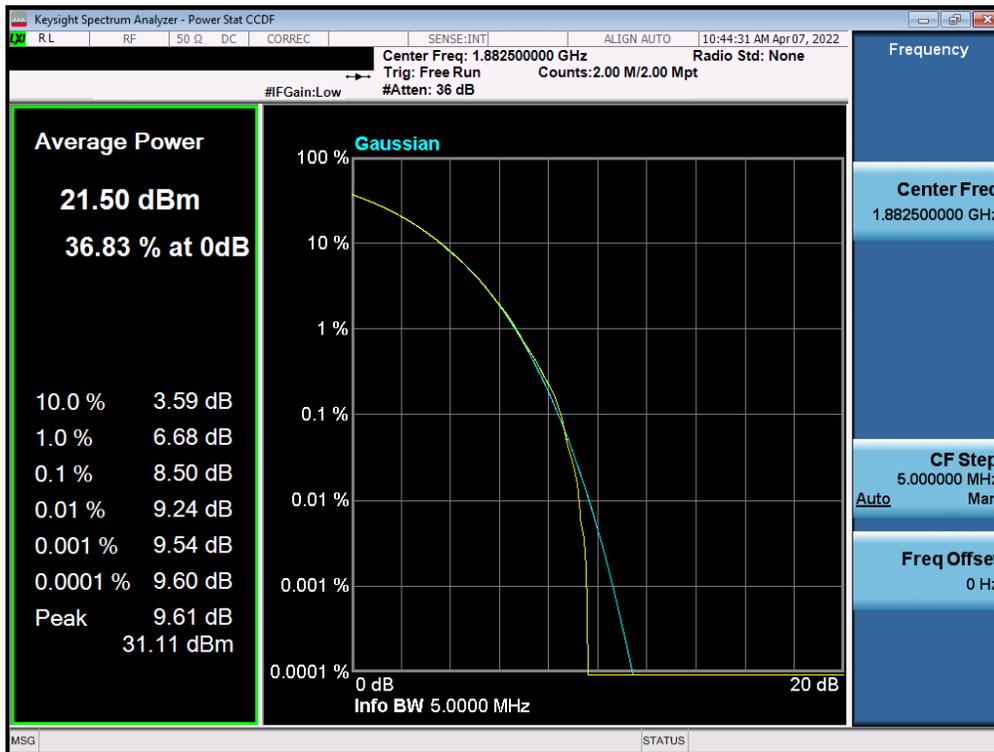


Plot 7-336. PAR Plot (NR Band n25/2 - 10.0MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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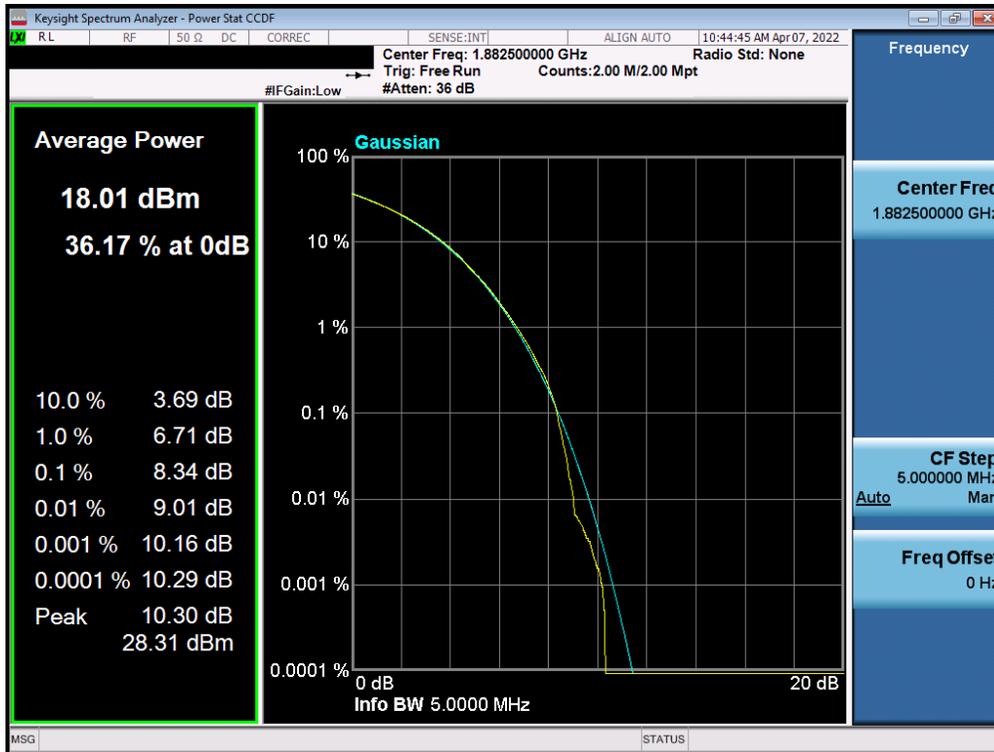


Plot 7-337. PAR Plot (NR Band n25/2 - 5.0MHz DFT-s-OFDM BPSK - Full RB - Ant F)



Plot 7-338. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM QPSK - Full RB - Ant F)

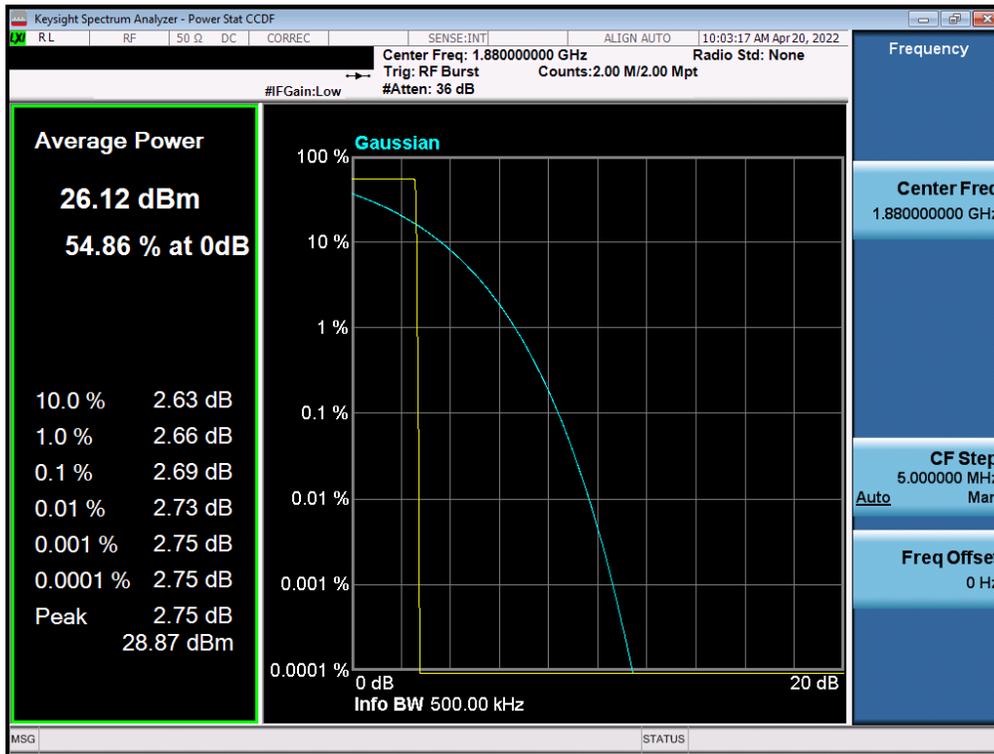
FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 - 6/20/2022	EUT Type: Portable Handset	Page 194 of 239



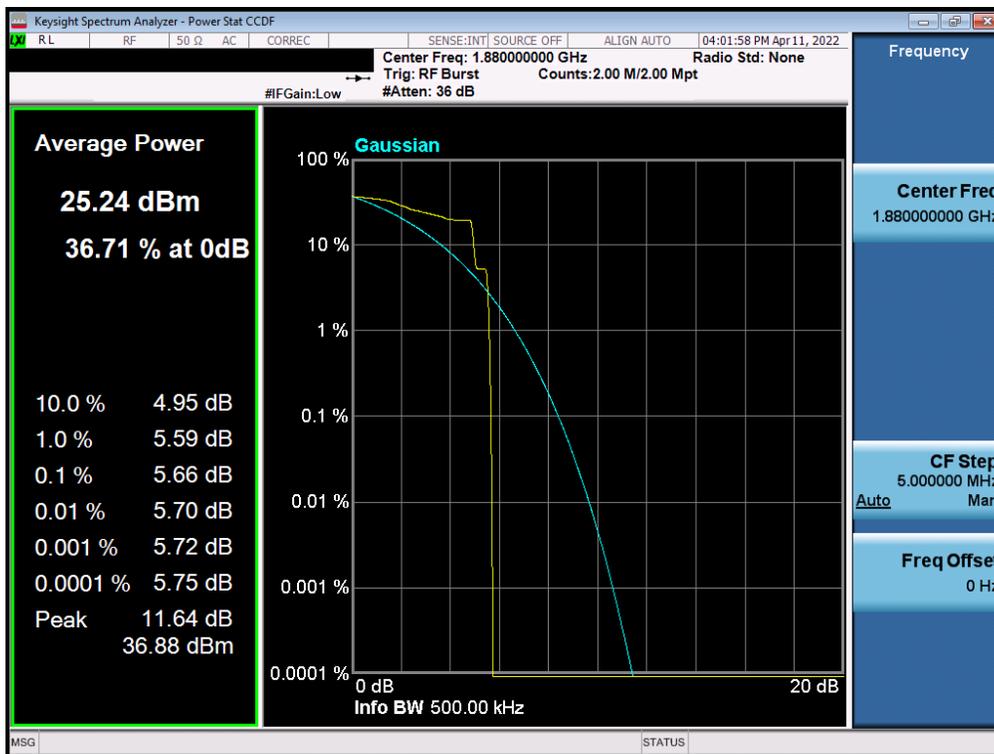
Plot 7-339. PAR Plot (NR Band n25/2 - 5.0MHz CP-OFDM 256-QAM - Full RB - Ant F)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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### GSM/GPRS PCS – Ant B



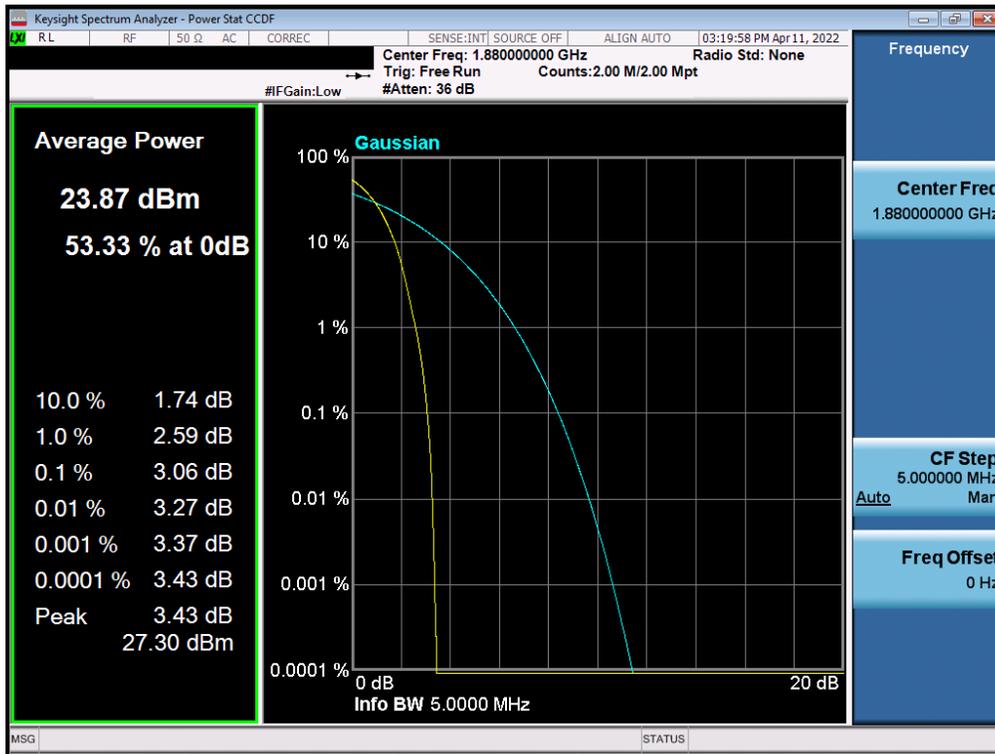
Plot 7-340. PAR Plot (GPRS, Ch. 661 - Ant B)



Plot 7-341. PAR Plot (EDGE, Ch. 661 - Ant B)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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### WCDMA PCS – Ant B



Plot 7-342. PAR Plot (WCDMA, Ch. 9400 - Ant B)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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## 7.7 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

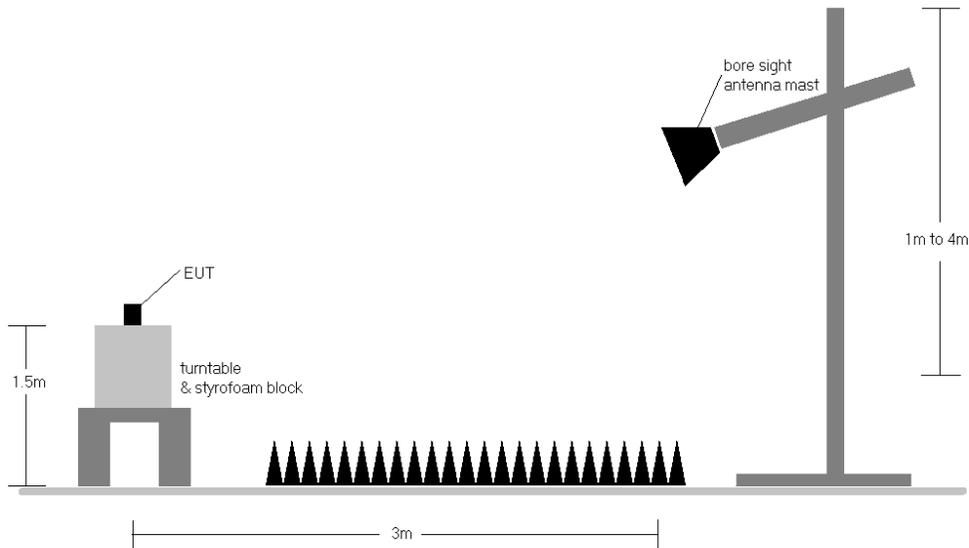
1. Radiated power measurements are performed using the signal analyzer's "channel power" measurement capability for signals with continuous operation. For signals with burst transmission, the signal analyzer's "time domain power" measurement capability is used
2. RBW = 1 – 5% of the expected OBW, not to exceed 1MHz
3. VBW  $\geq$  3 x RBW
4. Span = 1.5 times the OBW
5. No. of sweep points  $\geq$  2 x span / RBW
6. Detector = RMS
7. Trigger is set to "free run" for signals with continuous operation with the sweep times set to "auto". 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 7-6. Radiated Test Setup >1GHz**

## Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 3) 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.
- 4) This unit was tested with its standard battery.
- 5) 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]
20 MHz	QPSK	1860.0	H	156	42	9.55	1 / 99	12.67	22.22	0.167	33.01	-10.79
	QPSK	1882.5	H	150	40	9.83	1 / 0	13.31	23.14	0.206	33.01	-9.87
	QPSK	1905.0	H	143	29	10.16	1 / 50	13.27	<b>23.43</b>	0.220	33.01	-9.58
	16-QAM	1905.0	H	143	29	10.16	1 / 50	12.41	22.57	0.181	33.01	-10.44
15 MHz	QPSK	1857.5	H	156	42	9.51	1 / 37	13.14	22.65	0.184	33.01	-10.36
	QPSK	1882.5	H	150	40	9.83	1 / 37	12.65	22.49	0.177	33.01	-10.52
	QPSK	1907.5	H	143	29	10.21	1 / 0	13.20	<b>23.40</b>	0.219	33.01	-9.61
	16-QAM	1907.5	H	143	29	10.21	1 / 37	12.52	22.73	0.187	33.01	-10.28
10 MHz	QPSK	1855.0	H	156	42	9.48	1 / 25	13.30	22.78	0.190	33.01	-10.23
	QPSK	1882.5	H	150	40	9.83	1 / 25	12.41	22.24	0.168	33.01	-10.77
	QPSK	1910.0	H	143	29	10.25	1 / 25	13.47	<b>23.72</b>	0.236	33.01	-9.29
	16-QAM	1910.0	H	143	29	10.25	1 / 0	12.63	22.88	0.194	33.01	-10.13
5 MHz	QPSK	1852.5	H	156	42	9.44	1 / 12	13.48	22.92	0.196	33.01	-10.09
	QPSK	1882.5	H	150	40	9.83	1 / 12	12.58	22.41	0.174	33.01	-10.60
	QPSK	1912.5	H	143	29	10.28	1 / 0	13.29	<b>23.57</b>	0.227	33.01	-9.44
	16-QAM	1912.5	H	143	29	10.28	1 / 24	12.52	22.80	0.190	33.01	-10.21
3 MHz	QPSK	1851.5	H	156	42	9.43	1 / 7	13.33	22.76	0.189	33.01	-10.25
	QPSK	1882.5	H	150	40	9.83	1 / 14	12.50	22.34	0.171	33.01	-10.67
	QPSK	1913.5	H	143	29	10.29	1 / 7	13.32	<b>23.61</b>	0.230	33.01	-9.40
	16-QAM	1913.5	H	143	29	10.29	1 / 7	12.59	22.88	0.194	33.01	-10.13
1.4 MHz	QPSK	1850.7	H	156	42	9.42	1 / 5	13.33	22.75	0.188	33.01	-10.26
	QPSK	1882.5	H	150	40	9.83	1 / 3	12.49	22.33	0.171	33.01	-10.68
	QPSK	1914.3	H	143	29	10.30	1 / 0	13.11	<b>23.41</b>	0.219	33.01	-9.60
	16-QAM	1914.3	H	143	29	10.30	1 / 3	12.53	22.83	0.192	33.01	-10.18
10 MHz	Opposite Pol.	1905.0	V	120	273	10.18	1 / 25	10.57	20.75	0.119	33.01	-12.26
	Half	1905.0	H	183	239	10.16	1 / 25	11.99	22.15	0.164	33.01	-10.86
	WCP	1905.0	H	108	12	10.16	1 / 25	11.95	22.11	0.163	33.01	-10.90

Table 7-9. EIRP Data (LTE Band 25/2 – 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	1860.0	H	150	55	9.55	1 / 0	13.71	23.26	0.212	33.01	-9.75
	QPSK	1882.5	H	140	47	9.83	1 / 99	13.83	23.66	0.232	33.01	-9.35
	QPSK	1905.0	H	137	51	10.16	1 / 0	13.52	<b>23.68</b>	0.233	33.01	-9.33
	16-QAM	1905.0	H	137	51	10.16	1 / 0	12.71	22.87	0.194	33.01	-10.14
15 MHz	QPSK	1857.5	H	150	55	9.51	1 / 37	13.58	23.09	0.204	33.01	-9.92
	QPSK	1882.5	H	140	47	9.83	1 / 37	13.73	23.56	0.227	33.01	-9.45
	QPSK	1907.5	H	137	51	10.21	1 / 37	13.41	<b>23.61</b>	0.230	33.01	-9.40
	16-QAM	1907.5	H	137	51	10.21	1 / 37	13.01	23.21	0.210	33.01	-9.80
10 MHz	QPSK	1855.0	H	150	55	9.48	1 / 25	13.80	23.28	0.213	33.01	-9.74
	QPSK	1882.5	H	140	47	9.83	1 / 25	13.71	23.54	0.226	33.01	-9.47
	QPSK	1910.0	H	137	51	10.25	1 / 49	13.40	<b>23.65</b>	0.232	33.01	-9.36
	16-QAM	1910.0	H	137	51	10.25	1 / 49	12.87	23.12	0.205	33.01	-9.89
5 MHz	QPSK	1852.5	H	150	55	9.44	1 / 12	13.79	23.24	0.211	33.01	-9.77
	QPSK	1882.5	H	140	47	9.83	1 / 12	13.74	23.57	0.228	33.01	-9.44
	QPSK	1912.5	H	137	51	10.28	1 / 12	13.37	<b>23.64</b>	0.231	33.01	-9.37
	16-QAM	1912.5	H	137	51	10.28	1 / 0	12.94	23.22	0.210	33.01	-9.79
3 MHz	QPSK	1851.5	H	150	55	9.43	1 / 14	13.98	23.42	0.220	33.01	-9.60
	QPSK	1882.5	H	140	47	9.83	1 / 7	13.86	<b>23.69</b>	0.234	33.01	-9.32
	QPSK	1913.5	H	137	51	10.29	1 / 14	13.28	23.57	0.227	33.01	-9.45
	16-QAM	1913.5	H	137	51	10.29	1 / 0	12.78	23.06	0.202	33.01	-9.95
1.4 MHz	QPSK	1850.7	H	150	55	9.42	1 / 0	13.83	23.25	0.211	33.01	-9.76
	QPSK	1882.5	H	140	47	9.83	1 / 0	13.72	23.55	0.226	33.01	-9.46
	QPSK	1914.3	H	137	51	10.30	1 / 0	13.33	<b>23.62</b>	0.230	33.01	-9.39
	16-QAM	1882.5	H	140	47	9.83	1 / 3	11.91	21.74	0.149	33.01	-11.27
3 MHz	Opposite Pol.	1882.5	V	215	77	9.99	1 / 7	10.26	20.25	0.106	33.01	-12.76
	Opposite Pol.	1882.5	H	153	305	9.83	1 / 7	12.19	22.02	0.159	33.01	-10.99
	WCP	1882.5	H	199	210	9.83	1 / 7	11.46	21.29	0.135	33.01	-11.72

Table 7-10. EIRP Data (LTE Band 25/2 – Ant F)

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Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
40 MHz	$\pi/2$ BPSK	1870.0	H	145	151	9.66	1 / 54	13.37	23.03	0.201	33.01	-9.98
	$\pi/2$ BPSK	1882.5	H	141	146	9.83	1 / 161	14.12	23.95	0.248	33.01	-9.06
	$\pi/2$ BPSK	1895.0	H	142	151	10.01	1 / 54	14.14	24.15	0.260	33.01	-8.86
	QPSK	1870.0	H	145	151	9.66	1 / 54	13.46	23.12	0.205	33.01	-9.89
	QPSK	1882.5	H	141	146	9.83	1 / 161	13.93	23.76	0.238	33.01	-9.25
	QPSK	1895.0	H	142	151	10.01	1 / 54	14.28	<b>24.29</b>	0.268	33.01	-8.72
30 MHz	16-QAM	1895.0	H	142	151	10.01	1 / 54	13.10	23.11	0.205	33.01	-9.90
	$\pi/2$ BPSK	1865.0	H	145	151	9.61	1 / 80	13.55	23.16	0.207	33.01	-9.85
	$\pi/2$ BPSK	1882.5	H	141	146	9.83	1 / 80	14.26	24.10	0.257	33.01	-8.91
	$\pi/2$ BPSK	1900.0	H	142	151	10.07	1 / 40	14.52	<b>24.59</b>	0.288	33.01	-8.42
	QPSK	1865.0	H	145	151	9.61	1 / 119	13.42	23.02	0.201	33.01	-9.99
	QPSK	1882.5	H	141	146	9.83	1 / 80	14.08	23.91	0.246	33.01	-9.10
25 MHz	QPSK	1900.0	H	142	151	10.07	1 / 40	14.47	24.53	0.284	33.01	-8.48
	16-QAM	1900.0	H	142	151	10.07	1 / 40	13.77	<b>23.84</b>	0.242	33.01	-9.17
	$\pi/2$ BPSK	1862.5	H	145	151	9.58	1 / 66	13.77	23.34	0.216	33.01	-9.67
	$\pi/2$ BPSK	1882.5	H	141	146	9.83	1 / 99	14.35	24.19	0.262	33.01	-8.82
	$\pi/2$ BPSK	1902.5	H	142	151	10.11	1 / 33	14.44	24.55	0.285	33.01	-8.46
	QPSK	1862.5	H	145	151	9.58	1 / 99	13.73	23.31	0.214	33.01	-9.70
20 MHz	QPSK	1882.5	H	141	146	9.83	1 / 33	14.13	23.96	0.249	33.01	-9.05
	QPSK	1902.5	H	142	151	10.11	1 / 33	14.68	<b>24.80</b>	0.302	33.01	-8.21
	16-QAM	1902.5	H	142	151	10.11	1 / 99	13.46	23.57	0.228	33.01	-9.44
	$\pi/2$ BPSK	1860.0	H	145	151	9.55	1 / 26	13.57	23.12	0.205	33.01	-9.89
	$\pi/2$ BPSK	1882.5	H	141	146	9.83	1 / 26	14.12	23.95	0.248	33.01	-9.06
	$\pi/2$ BPSK	1905.0	H	142	151	10.16	1 / 53	14.09	24.25	0.266	33.01	-8.76
15 MHz	QPSK	1860.0	H	145	151	9.55	1 / 53	13.46	23.01	0.200	33.01	-10.00
	QPSK	1882.5	H	141	146	9.83	1 / 53	13.97	23.80	0.240	33.01	-9.21
	QPSK	1905.0	H	142	151	10.16	1 / 79	14.36	<b>24.52</b>	0.283	33.01	-8.50
	16-QAM	1905.0	H	142	151	10.16	1 / 26	13.37	23.53	0.225	33.01	-9.48
	$\pi/2$ BPSK	1857.5	H	145	151	9.51	1 / 20	13.62	23.14	0.206	33.01	-9.87
	$\pi/2$ BPSK	1882.5	H	141	146	9.83	1 / 20	14.17	24.00	0.251	33.01	-9.01
10 MHz	$\pi/2$ BPSK	1907.5	H	142	151	10.21	1 / 58	14.07	24.27	0.267	33.01	-8.74
	QPSK	1857.5	H	145	151	9.51	1 / 20	13.50	23.01	0.200	33.01	-10.00
	QPSK	1882.5	H	141	146	9.83	1 / 39	13.91	23.75	0.237	33.01	-9.26
	QPSK	1907.5	H	142	151	10.21	1 / 20	14.23	<b>24.44</b>	0.278	33.01	-8.57
	16-QAM	1907.5	H	142	151	10.21	1 / 58	13.06	23.27	0.212	33.01	-9.74
	$\pi/2$ BPSK	1855.0	H	145	151	9.48	1 / 13	13.56	23.04	0.201	33.01	-9.97
5 MHz	$\pi/2$ BPSK	1882.5	H	141	146	9.83	1 / 38	14.13	23.96	0.249	33.01	-9.05
	$\pi/2$ BPSK	1910.0	H	142	151	10.25	1 / 26	13.81	24.06	0.255	33.01	-8.95
	QPSK	1855.0	H	145	151	9.48	1 / 13	13.54	23.02	0.200	33.01	-9.99
	QPSK	1882.5	H	141	146	9.83	1 / 38	13.98	23.82	0.241	33.01	-9.19
	QPSK	1910.0	H	142	151	10.25	1 / 13	14.12	<b>24.37</b>	0.274	33.01	-8.64
	16-QAM	1910.0	H	142	151	10.25	1 / 13	13.06	23.31	0.214	33.01	-9.70
40 MHz	$\pi/2$ BPSK	1852.5	H	145	151	9.44	1 / 18	13.59	23.04	0.201	33.01	-9.97
	$\pi/2$ BPSK	1882.5	H	141	146	9.83	1 / 18	14.08	23.91	0.246	33.01	-9.10
	$\pi/2$ BPSK	1912.5	H	142	151	10.28	1 / 18	13.88	24.16	0.260	33.01	-8.85
	QPSK	1852.5	H	145	151	9.44	1 / 6	13.49	22.94	0.197	33.01	-10.07
	QPSK	1882.5	H	141	146	9.83	1 / 18	14.00	23.84	0.242	33.01	-9.17
	QPSK	1912.5	H	142	151	10.28	1 / 18	13.88	<b>24.16</b>	0.261	33.01	-8.85
40 MHz	16-QAM	1912.5	H	142	151	10.28	1 / 12	13.04	23.32	0.215	33.01	-9.70
	QPSK (CP-OFDM)	1895.0	H	142	151	10.01	1 / 54	12.38	22.39	0.173	33.01	-10.62
	QPSK (Opposite Pol.)	1895.0	V	130	295	10.12	1 / 54	13.01	23.13	0.206	33.01	-9.88
	QPSK (Half-Open)	1895.0	H	145	182	10.01	1 / 54	12.87	22.88	0.194	33.01	-10.13
QPSK (WCP)	1895.0	H	146	162	10.01	1 / 54	13.96	23.97	0.249	33.01	-9.04	

Table 7-11. EIRP Data (NR Band n25/2 – 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]
40 MHz	$\pi/2$ BPSK	1870.0	H	156	53	9.66	1 / 54	14.26	23.92	0.247	33.01	-9.09
	$\pi/2$ BPSK	1882.5	H	148	46	9.83	1 / 54	12.96	22.79	0.190	33.01	-10.22
	$\pi/2$ BPSK	1895.0	H	140	47	10.01	1 / 108	13.03	23.04	0.201	33.01	-9.97
	QPSK	1870.0	H	156	53	9.66	1 / 54	14.29	<b>23.95</b>	0.248	33.01	-9.06
	QPSK	1882.5	H	148	46	9.83	1 / 54	12.93	22.76	0.189	33.01	-10.25
	QPSK	1895.0	H	140	47	10.01	1 / 108	12.92	22.93	0.196	33.01	-10.08
30 MHz	16-QAM	1870.0	H	156	53	9.66	1 / 54	13.38	23.04	0.202	33.01	-9.97
	$\pi/2$ BPSK	1865.0	H	156	53	9.61	1 / 80	13.94	23.54	0.226	33.01	-9.47
	$\pi/2$ BPSK	1882.5	H	148	46	9.83	1 / 80	13.09	22.92	0.196	33.01	-10.09
	$\pi/2$ BPSK	1900.0	H	140	47	10.07	1 / 40	12.95	23.02	0.200	33.01	-9.99
	QPSK	1865.0	H	156	53	9.61	1 / 80	14.16	<b>23.76</b>	0.238	33.01	-9.25
	QPSK	1882.5	H	148	46	9.83	1 / 80	12.81	22.64	0.184	33.01	-10.37
25 MHz	QPSK	1900.0	H	140	47	10.07	1 / 40	12.72	22.79	0.190	33.01	-10.22
	16-QAM	1865.0	H	156	53	9.61	1 / 80	12.82	22.42	0.175	33.01	-10.59
	$\pi/2$ BPSK	1862.5	H	156	53	9.58	1 / 33	14.24	23.81	0.241	33.01	-9.20
	$\pi/2$ BPSK	1882.5	H	148	46	9.83	1 / 33	13.13	22.96	0.198	33.01	-10.05
	$\pi/2$ BPSK	1902.5	H	140	47	10.11	1 / 33	12.84	22.96	0.198	33.01	-10.05
	QPSK	1862.5	H	156	53	9.58	1 / 33	14.31	<b>23.88</b>	0.245	33.01	-9.13
20 MHz	QPSK	1882.5	H	148	46	9.83	1 / 33	12.88	22.71	0.187	33.01	-10.30
	QPSK	1902.5	H	140	47	10.11	1 / 33	12.93	23.05	0.202	33.01	-9.96
	16-QAM	1862.5	H	156	53	9.58	1 / 99	13.40	22.97	0.198	33.01	-10.04
	$\pi/2$ BPSK	1860.0	H	156	53	9.55	1 / 26	14.00	23.54	0.226	33.01	-9.47
	$\pi/2$ BPSK	1882.5	H	148	46	9.83	1 / 53	12.86	22.69	0.186	33.01	-10.32
	$\pi/2$ BPSK	1905.0	H	140	47	10.16	1 / 26	12.53	22.69	0.186	33.01	-10.32
15 MHz	QPSK	1860.0	H	156	53	9.55	1 / 26	14.27	<b>23.81</b>	0.241	33.01	-9.20
	QPSK	1882.5	H	148	46	9.83	1 / 53	12.85	22.68	0.185	33.01	-10.33
	QPSK	1905.0	H	140	47	10.16	1 / 26	12.58	22.74	0.188	33.01	-10.27
	16-QAM	1860.0	H	156	53	9.55	1 / 79	13.19	22.73	0.188	33.01	-10.28
	$\pi/2$ BPSK	1857.5	H	156	53	9.51	1 / 20	14.27	23.78	0.239	33.01	-9.23
	$\pi/2$ BPSK	1882.5	H	148	46	9.83	1 / 39	12.88	22.71	0.187	33.01	-10.30
10 MHz	$\pi/2$ BPSK	1907.5	H	140	47	10.21	1 / 20	12.46	22.67	0.185	33.01	-10.34
	QPSK	1857.5	H	156	53	9.51	1 / 20	14.36	<b>23.87</b>	0.244	33.01	-9.14
	QPSK	1882.5	H	148	46	9.83	1 / 39	12.73	22.56	0.180	33.01	-10.45
	QPSK	1907.5	H	140	47	10.21	1 / 20	12.45	22.66	0.184	33.01	-10.35
	16-QAM	1857.5	H	156	53	9.51	1 / 20	13.35	22.86	0.193	33.01	-10.15
	$\pi/2$ BPSK	1855.0	H	156	53	9.48	1 / 26	14.01	23.49	0.224	33.01	-9.52
5 MHz	$\pi/2$ BPSK	1882.5	H	148	46	9.83	1 / 26	12.78	22.61	0.183	33.01	-10.40
	$\pi/2$ BPSK	1910.0	H	140	47	10.25	1 / 13	12.26	22.51	0.178	33.01	-10.50
	QPSK	1855.0	H	156	53	9.48	1 / 26	14.21	<b>23.69</b>	0.234	33.01	-9.32
	QPSK	1882.5	H	148	46	9.83	1 / 26	12.60	22.43	0.175	33.01	-10.58
	QPSK	1910.0	H	140	47	10.25	1 / 13	12.30	22.55	0.180	33.01	-10.46
	16-QAM	1855.0	H	156	53	9.48	1 / 13	13.23	22.71	0.187	33.01	-10.30
40 MHz	$\pi/2$ BPSK	1852.5	H	156	53	9.44	1 / 12	14.22	23.66	0.232	33.01	-9.35
	$\pi/2$ BPSK	1882.5	H	148	46	9.83	1 / 12	12.79	22.62	0.183	33.01	-10.39
	$\pi/2$ BPSK	1912.5	H	140	47	10.28	1 / 6	12.12	22.40	0.174	33.01	-10.61
	QPSK	1852.5	H	156	53	9.44	1 / 12	14.28	<b>23.72</b>	0.236	33.01	-9.29
	QPSK	1882.5	H	148	46	9.83	1 / 6	12.66	22.49	0.178	33.01	-10.52
	QPSK	1912.5	H	140	47	10.28	1 / 12	12.17	22.45	0.176	33.01	-10.56
40 MHz	16-QAM	1852.5	H	156	53	9.44	1 / 12	13.24	22.68	0.185	33.01	-10.33
	QPSK (CP-OFDM)	1870.0	H	156	53	9.66	1 / 54	12.75	22.41	0.174	33.01	-10.60
	QPSK (Opposite Pol.)	1870.0	V	135	329	9.75	1 / 161	10.64	20.39	0.109	33.01	-12.62
	QPSK (Closed)	1870.0	H	149	315	9.66	1 / 54	12.12	21.78	0.151	33.01	-11.23
QPSK (WCP)	1870.0	H	102	47	9.66	1 / 54	13.51	23.17	0.208	33.01	-9.84	

Table 7-12. EIRP Data (NR Band n25/2 – Ant F)

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Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	H	112	38	17.62	9.41	27.03	0.505	33.01	-5.98
1880.00	GPRS1900	H	122	38	19.22	9.79	29.01	0.797	33.01	-4.00
1909.80	GPRS1900	H	115	38	19.68	10.25	<b>29.93</b>	<b>0.984</b>	33.01	-3.08
1909.80	GPRS1900	V	102	281	18.07	10.20	28.27	0.672	33.01	-4.74
1909.80	EDGE1900	H	115	38	14.88	10.25	<b>25.13</b>	0.326	33.01	-7.88
1909.80	GPRS1900 (CLOSED)	H	111	73	17.55	10.25	27.80	0.602	33.01	-5.21
1909.80	GPRS1900 (WCP)	H	141	226	17.89	10.25	28.14	0.651	33.01	-4.87

**Table 7-13. EIRP Data (GPRS PCS – Ant B)**

Frequency [MHz]	Mode	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Substitute Level [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	H	168	28	13.59	9.44	23.03	0.201	33.01	-9.98
1880.00	WCDMA1900	H	111	36	13.13	9.79	22.92	0.196	33.01	-10.09
1907.60	WCDMA1900	H	111	34	14.51	10.21	<b>24.72</b>	<b>0.296</b>	33.01	-8.29
1907.60	WCDMA1900	V	102	304	12.30	10.19	22.49	0.178	33.01	-10.52
1907.60	WCDMA1900 (HALF)	H	102	74	12.34	10.21	22.55	0.180	33.01	-10.46
1907.60	WCDMA1900 (WCP)	H	146	157	12.71	10.21	22.92	0.196	33.01	-10.09

**Table 7-14. EIRP Data (WCDMA PCS – Ant B)**

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## 7.8 Radiated Spurious Emissions Measurements

### Test Overview

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

### Test Procedures Used

ANSI C63.26-2015 – Section 5.5.4

### Test Settings

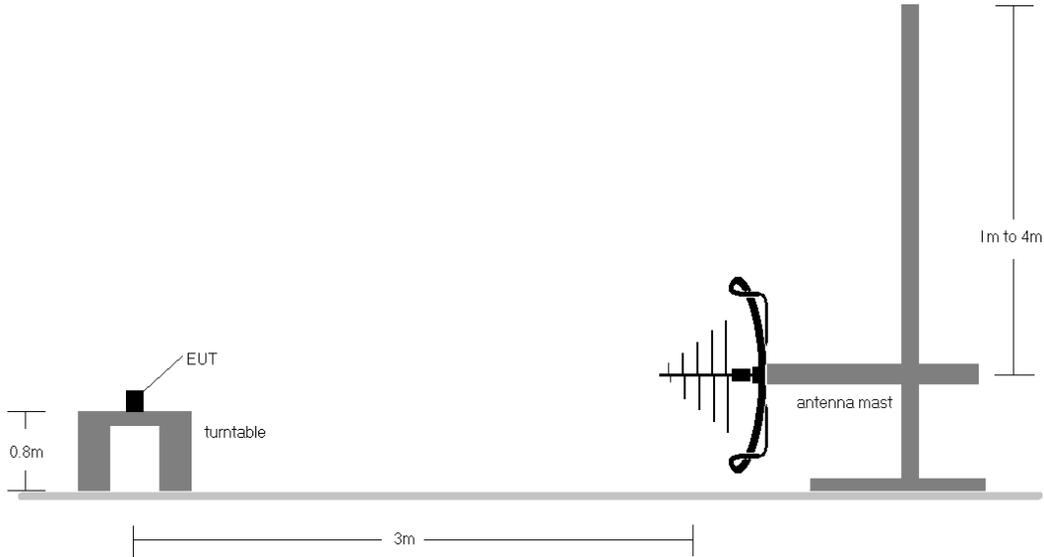
1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW  $\geq 3 \times$  RBW
3. Span = 1.5 times the OBW
4. No. of sweep points  $\geq 2 \times$  span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. The trace was allowed to stabilize

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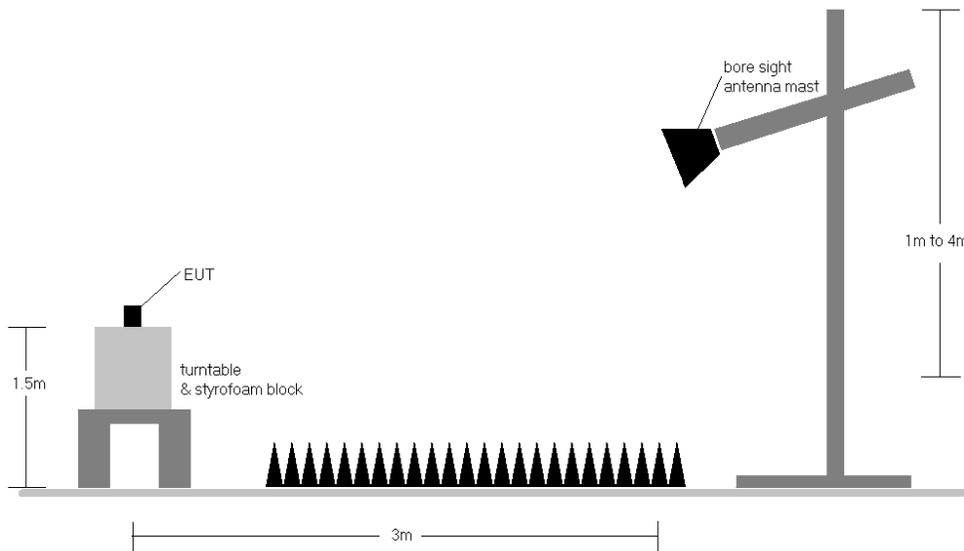
V3.0 1/5/2022

**Test Setup**

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



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



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

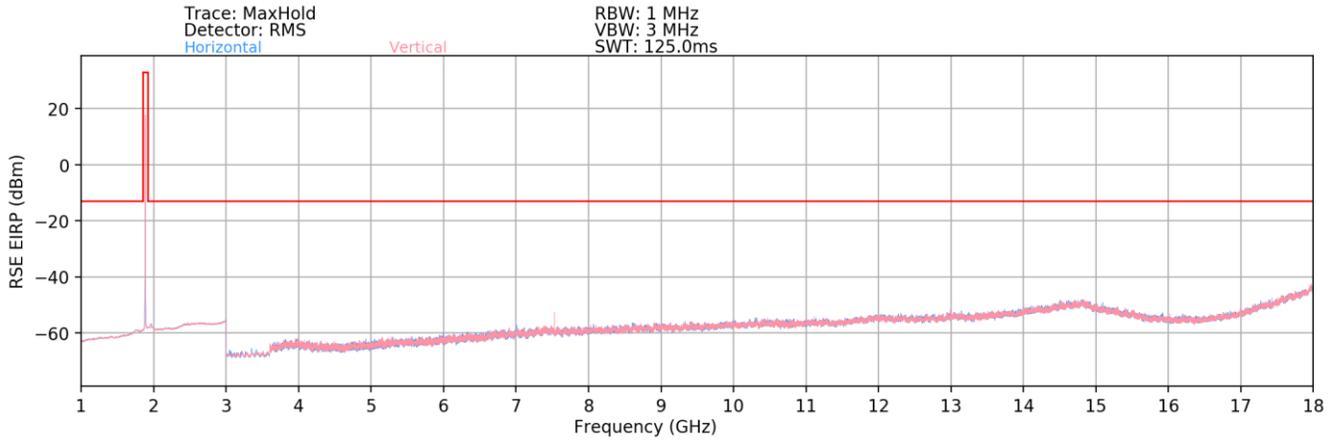
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**Test Notes**

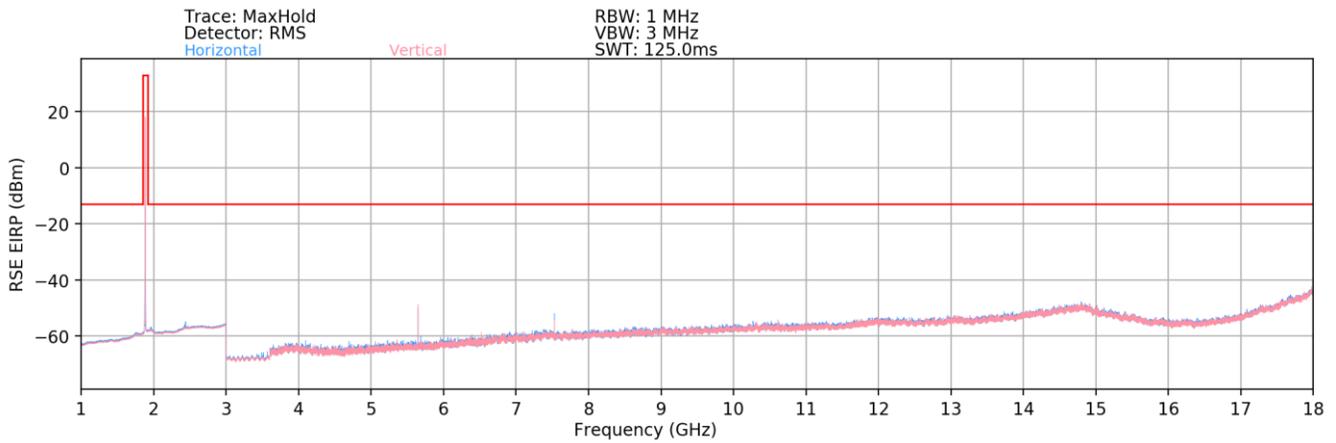
- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
  - a)  $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Ant Factor (dB/m)}$
  - b)  $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$ ; where D is the measurement distance in meters.
- 2) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers are reported in GPRS mode while transmitting with one slot active.
- 3) This device employs UMTS technology with WCDMA (AMR/RMC) and HSDPA capabilities. The EUT was tested under all configurations and the highest powers are reported in WCDMA mode with HSDPA Inactive at 12.2 kbps RMC and TPC bits all set to "1".
- 4) 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.
- 5) This unit was tested with its standard battery.
- 6) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 7) 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.
- 8) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 9) 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.
- 10) 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 are subject to the rules under which the NR carrier operates. Spurious emissions caused by the LTE carrier must meet the requirements of the rules under which the LTE carrier operates.

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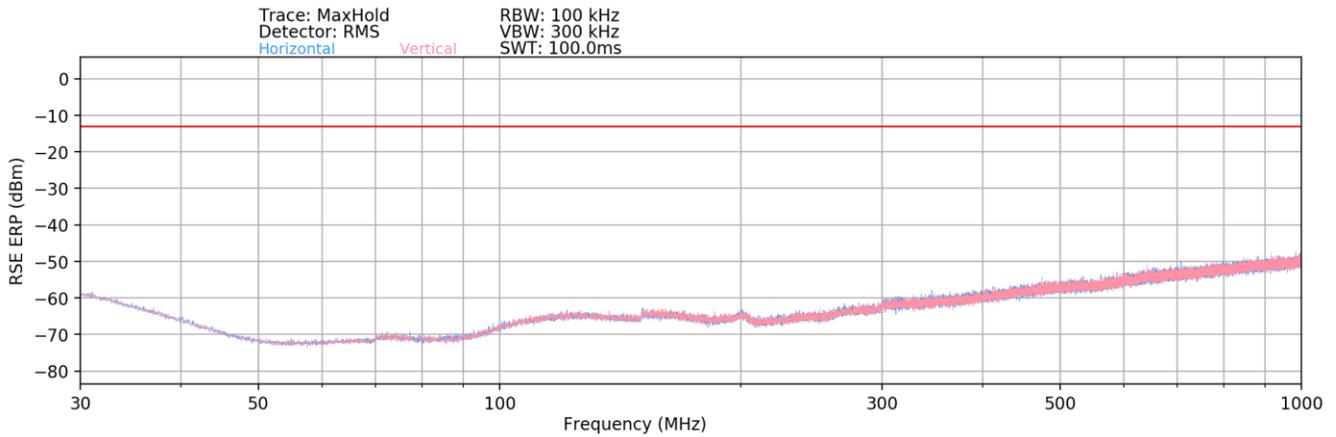
### LTE Band 25/2 – Ant B



**Plot 7-343. Radiated Spurious Plot (LTE Band 25/2 - Ant B - Open)**



**Plot 7-344. Radiated Spurious Plot (LTE Band 25/2 - Ant B - Closed)**



**Plot 7-345. Radiated Spurious Plot (LTE Band 25/2 - Ant B - Closed - Below 1GHz)**

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Bandwidth (MHz):	20
Frequency (MHz):	1860
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]
60.0	V	-	-	-90.60	14.63	31.03	-66.38	-13.00	-53.38
97.0	V	-	-	-91.06	16.44	32.38	-65.03	-13.00	-52.03
295.0	V	-	-	-90.28	20.70	37.42	-59.98	-13.00	-46.98

**Table 7-15. Radiated Spurious Data (LTE Band 25/2 – Below 1GHz - Ant B – Closed)**

Bandwidth (MHz):	20
Frequency (MHz):	1860
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]
3720.0	V	113	276	-70.98	-0.43	35.59	-59.67	-13.00	-46.67
5580.0	V	175	167	-62.34	2.73	47.39	-47.87	-13.00	-34.87
7440.0	V	273	47	-73.53	7.26	40.73	-54.52	-13.00	-41.52
9300.0	V	-	-	-81.52	9.85	35.33	-59.93	-13.00	-46.93
11160.0	V	-	-	-81.63	11.43	36.80	-58.46	-13.00	-45.46
13020.0	V	-	-	-81.10	13.18	39.08	-56.17	-13.00	-43.17

**Table 7-16. Radiated Spurious Data (LTE Band 25/2 – Low Channel - Ant B – Closed)**

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	125	84	-74.78	0.57	32.79	-62.47	-13.00	-49.47
5647.5	V	167	170	-62.66	2.82	47.16	-48.10	-13.00	-35.10
7530.0	V	400	36	-70.50	6.84	43.34	-51.92	-13.00	-38.92
9412.5	V	-	-	-80.92	9.90	35.98	-59.28	-13.00	-46.28
11295.0	V	-	-	-81.23	11.44	37.21	-58.05	-13.00	-45.05
13177.5	V	-	-	-81.38	13.30	38.92	-56.33	-13.00	-43.33

**Table 7-17. Radiated Spurious Data (LTE Band 25/2 – Mid Channel - Ant B – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 208 of 239



Bandwidth (MHz):	20
Frequency (MHz):	1905
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]
3810.0	V	109	348	-75.09	0.80	32.71	-62.55	-13.00	-49.55
5715.0	V	142	164	-65.15	3.09	44.94	-50.32	-13.00	-37.32
7620.0	V	165	40	-73.12	7.20	41.08	-54.17	-13.00	-41.17
9525.0	V	-	-	-81.23	9.75	35.52	-59.74	-13.00	-46.74
11430.0	V	-	-	-81.73	11.34	36.61	-58.65	-13.00	-45.65
13335.0	V	-	-	-80.90	13.12	39.22	-56.03	-13.00	-43.03

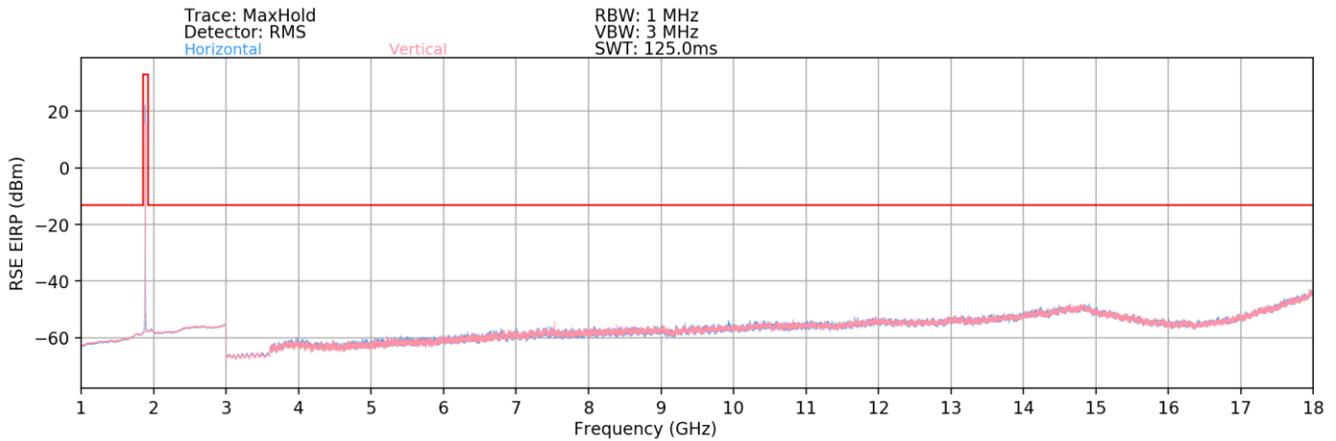
**Table 7-18. Radiated Spurious Data (LTE Band 25/2 – High Channel - Ant B – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 209 of 239

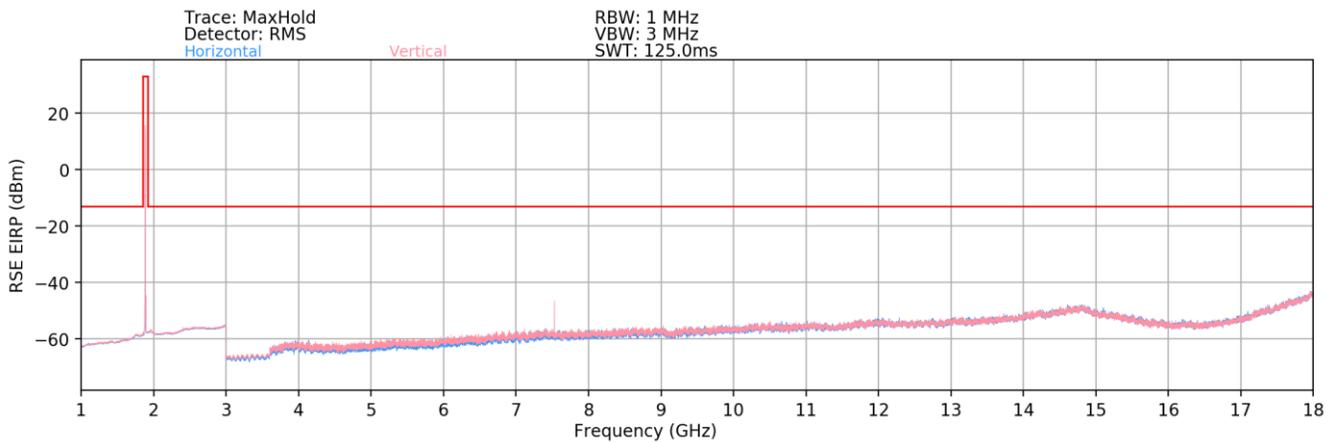
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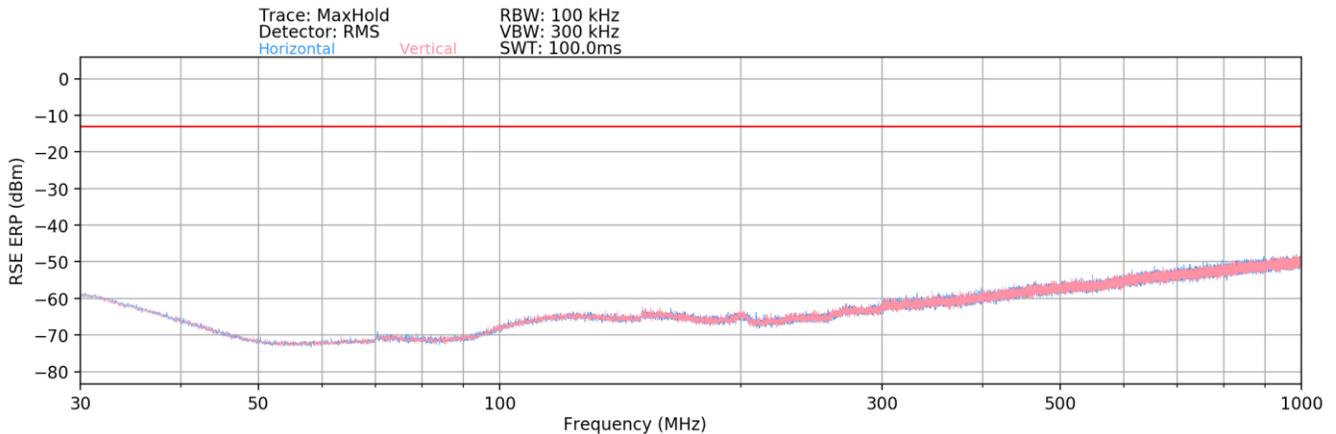
### LTE Band 25/2 – Ant F



**Plot 7-346. Radiated Spurious Plot (LTE Band 25/2 - Ant F – Open)**



**Plot 7-347. Radiated Spurious Plot (LTE Band 25/2 - Ant F – Closed)**



**Plot 7-348. Radiated Spurious Plot (LTE Band 25/2 - Ant F – Closed – Below 1GHz)**

FCC ID: A3LSMF936U	<b>PART 24 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 210 of 239

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
59.0	H	-	-	-92.02	13.95	28.93	-68.47	-13.00	-55.47
106.0	H	-	-	-91.89	18.56	33.67	-63.74	-13.00	-50.74
298.0	H	-	-	-91.20	20.84	36.64	-60.76	-13.00	-47.76
503.0	H	-	-	-90.92	25.48	41.56	-55.84	-13.00	-42.84

Table 7-19. Radiated Spurious Data (LTE Band 25/2 – Below 1GHz - Ant F – Closed)

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	131	322	-73.39	-0.43	33.18	-62.08	-13.00	-49.08
5580.0	H	-	-	-78.04	2.73	31.69	-63.57	-13.00	-50.57
7440.0	H	111	53	-70.36	7.26	43.90	-51.35	-13.00	-38.35
9300.0	H	-	-	-80.45	9.85	36.40	-58.86	-13.00	-45.86
11160.0	H	-	-	-80.67	11.43	37.76	-57.50	-13.00	-44.50
13020.0	H	-	-	-80.79	13.18	39.39	-55.86	-13.00	-42.86

Table 7-20. Radiated Spurious Data (LTE Band 25/2 – Low Channel – Ant F – Closed)

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	120	306	-75.59	0.57	31.98	-63.28	-13.00	-50.28
5647.5	H	-	-	-78.01	2.82	31.81	-63.45	-13.00	-50.45
7530.0	H	109	42	-66.65	6.84	47.19	-48.07	-13.00	-35.07
9412.5	H	-	-	-80.54	9.90	36.36	-58.90	-13.00	-45.90
11295.0	H	-	-	-80.93	11.44	37.51	-57.75	-13.00	-44.75
13177.5	H	-	-	-81.17	13.30	39.13	-56.12	-13.00	-43.12

Table 7-21. Radiated Spurious Data (LTE Band 25/2 – Mid Channel – Ant F – Closed)

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 211 of 239



Bandwidth (MHz):	20
Frequency (MHz):	1905
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]
3810.0	H	127	322	-73.50	0.80	34.30	-60.96	-13.00	-47.96
5715.0	H	-	-	-78.39	3.09	31.70	-63.56	-13.00	-50.56
7620.0	H	107	42	-67.81	7.20	46.39	-48.86	-13.00	-35.86
9525.0	H	-	-	-79.74	9.75	37.01	-58.25	-13.00	-45.25
11430.0	H	-	-	-79.73	11.34	38.61	-56.65	-13.00	-43.65
13335.0	H	-	-	-80.97	13.12	39.15	-56.10	-13.00	-43.10

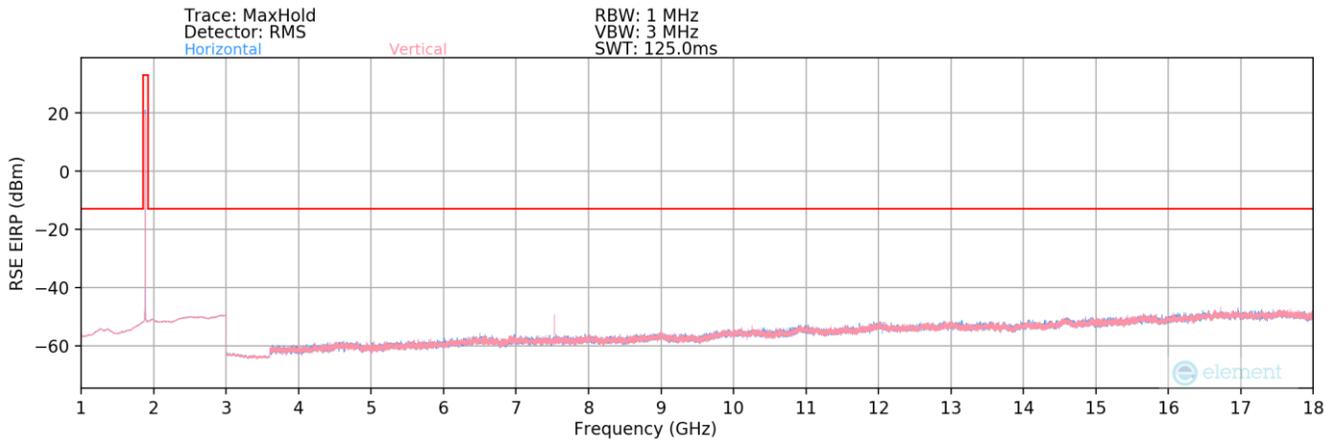
**Table 7-22. Radiated Spurious Data (LTE Band 25/2 – High Channel – Ant F – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 212 of 239

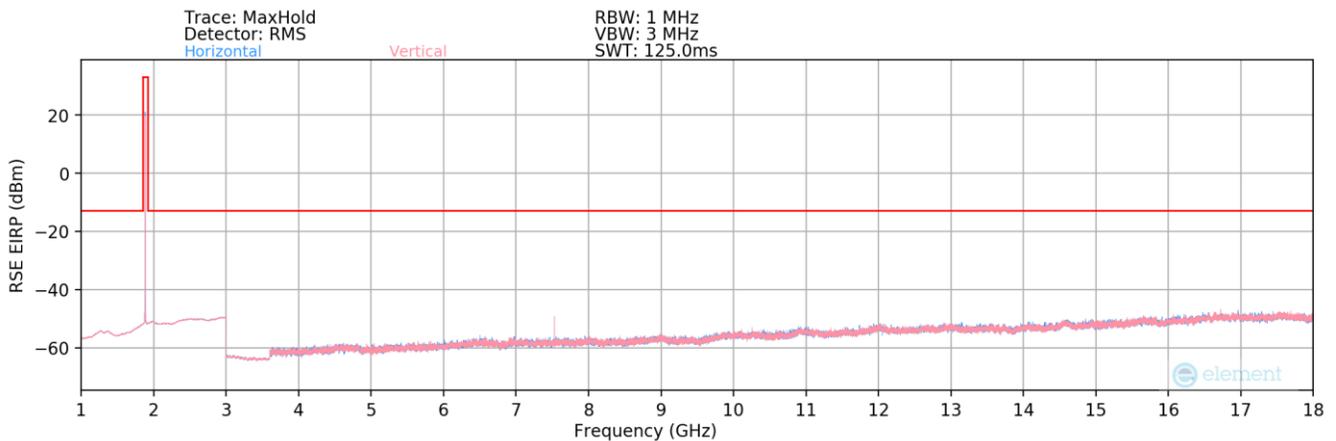
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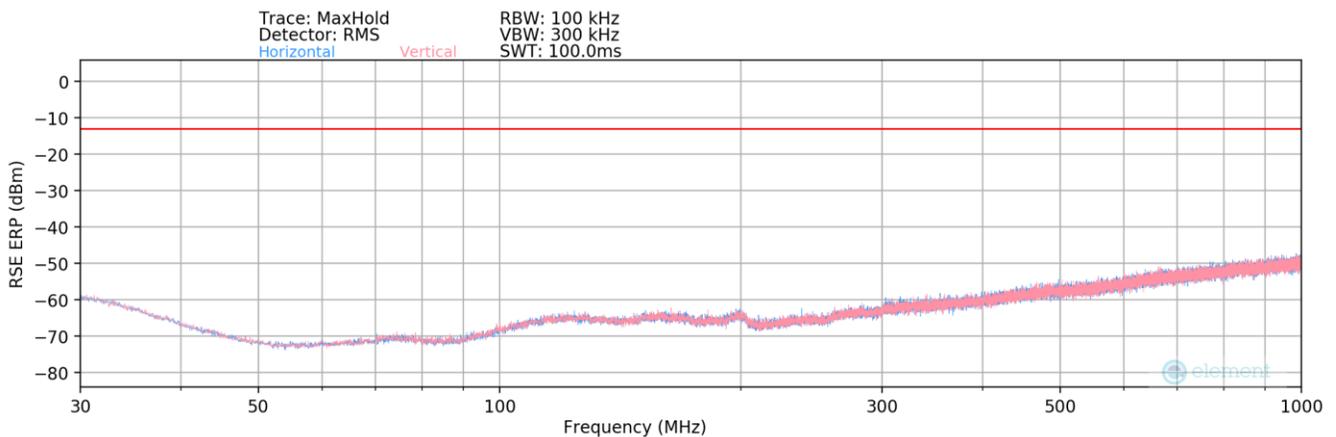
### NR Band n25/2 – Ant B



**Plot 7-349. Radiated Spurious Plot (NR n25/2 - Ant B – Open)**



**Plot 7-350. Radiated Spurious Plot (NR n25/2 - Ant B – Closed)**



**Plot 7-351. Radiated Spurious Plot (NR n25/2 - Ant B – Closed – Below 1GHz)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 213 of 239



Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
507.0	V	-	-	-90.02	25.86	42.84	-54.57	-13.00	-41.57

**Table 7-23. Radiated Spurious Data (NR Band n25/2 – Below 1GHz – Ant B - Closed)**

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	V	124	10	-77.20	3.26	33.06	-62.20	-13.00	-49.20
5580.0	V	320	152	-52.47	5.13	59.66	-35.60	-13.00	-22.60
7440.0	V	280	15	-68.16	7.67	46.51	-48.74	-13.00	-35.74
9300.0	V	261	179	-78.50	9.44	37.94	-57.32	-13.00	-44.32
11160.0	V	-	-	-79.83	12.22	39.39	-55.87	-13.00	-42.87
13020.0	V	-	-	-80.38	14.32	40.94	-54.32	-13.00	-41.32
14880.0	V	-	-	-81.04	16.16	42.12	-53.13	-13.00	-40.13

**Table 7-24. Radiated Spurious Data (NR Band n25/2 – Low Channel – Ant B – Closed)**

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	V	-	-	-78.14	3.17	32.03	-63.23	-13.00	-50.23
5647.5	V	312	159	-53.19	5.45	59.26	-36.00	-13.00	-23.00
7530.0	V	282	19	-70.50	7.87	44.37	-50.89	-13.00	-37.89
9412.5	V	-	-	-80.13	10.16	37.03	-58.23	-13.00	-45.23
11295.0	V	-	-	-80.14	12.19	39.05	-56.20	-13.00	-43.20
13177.5	V	-	-	-80.44	13.90	40.46	-54.80	-13.00	-41.80

**Table 7-25. Radiated Spurious Data (NR Band n25/2 – Mid Channel – Ant B – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 214 of 239

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Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.0	V	-	-	-77.81	2.96	32.15	-63.10	-13.00	-50.10
5715.0	V	304	154	-54.31	5.45	58.14	-37.11	-13.00	-24.11
7620.0	V	279	15	-69.73	8.17	45.44	-49.82	-13.00	-36.82
9525.0	V	252	290	-76.91	9.93	40.02	-55.24	-13.00	-42.24
11430.0	V	-	-	-80.92	12.82	38.90	-56.36	-13.00	-43.36
13335.0	V	-	-	-80.24	14.06	40.82	-54.44	-13.00	-41.44
15240.0	V	-	-	-80.36	15.93	42.57	-52.69	-13.00	-39.69

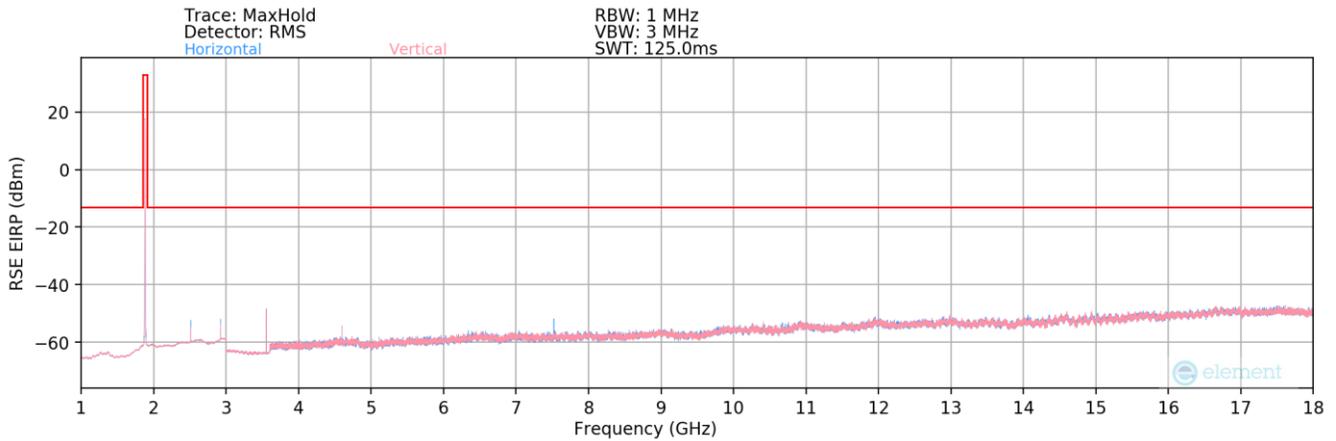
**Table 7-26. Radiated Spurious Data (NR Band n25/2 – High Channel – Ant B – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 215 of 239

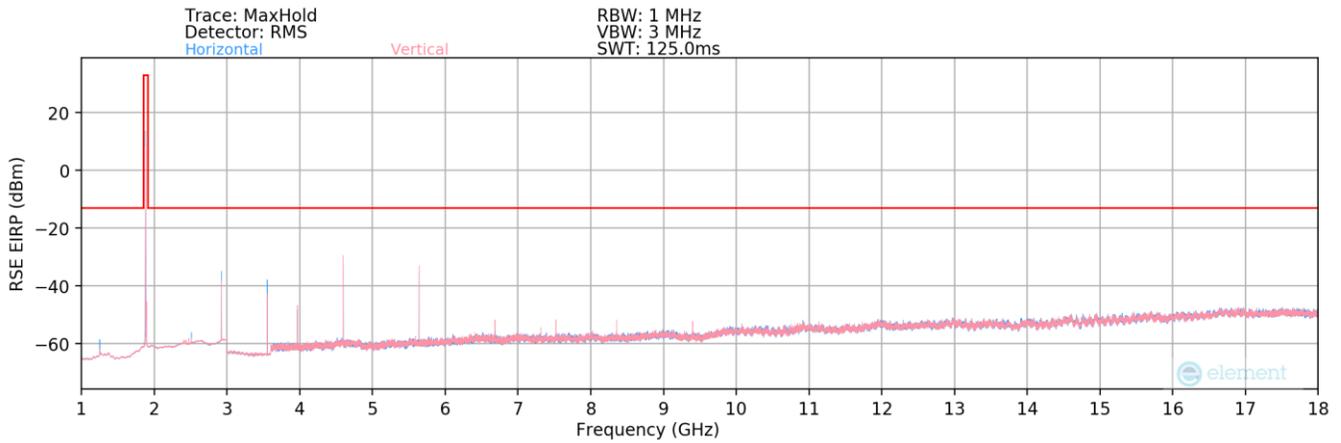
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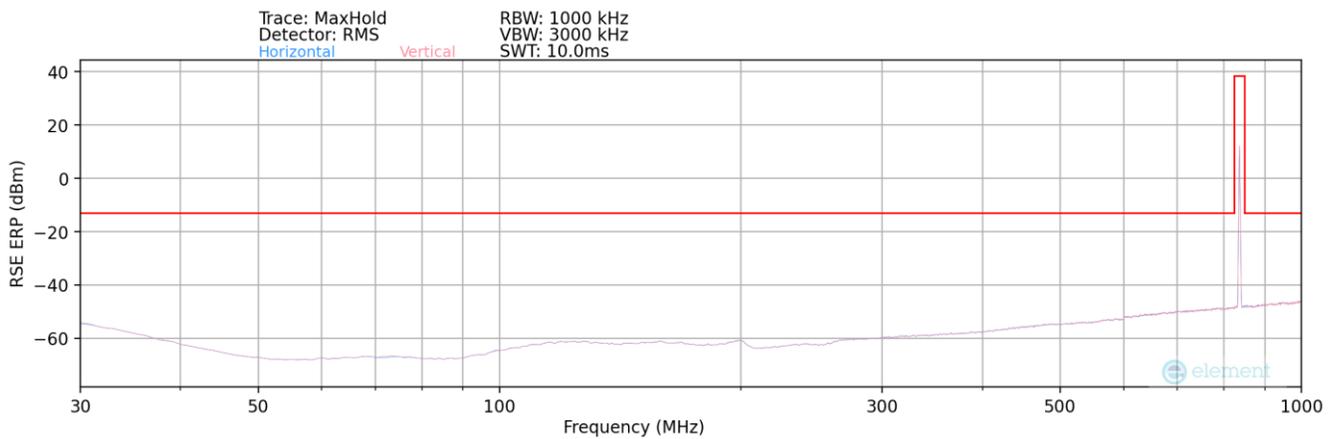
### EN-DC n2 (Ant B) – Band 5



**Plot 7-352. Radiated Spurious Plot (NR n2 – Band 5 – Ant B – Open)**



**Plot 7-353. Radiated Spurious Plot (NR n2 – Band 5 – Ant B – Closed)**



**Plot 7-354. Radiated Spurious Plot (NR n2 – Band 5 – Ant B – Closed – Below 1GHz)**

FCC ID: A3LSMF936U	<b>PART 24 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 216 of 239



Case:	n2 + B5
Bandwidth (MHz):	20 & 10
Frequency (MHz):	1880 & 836.5
RB / Offset:	1/53 & 1/25
Mode:	EN-DC
Anchor Band:	LTE Band 5

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
207.0	H	-	-	-90.21	17.78	34.57	-60.68	-13.00	-47.68
1250.5	H	166	10	-69.27	-3.06	34.67	-60.59	-13.00	-47.59
2923.5	H	150	64	-50.54	2.12	58.58	-36.68	-13.00	-23.68
3553.0	H	141	62	-55.16	2.43	54.27	-40.98	-13.00	-27.98
3967.0	V	398	7	-70.40	3.33	39.93	-55.32	-13.00	-42.32
4596.5	V	347	16	-52.13	4.76	59.63	-35.63	-13.00	-22.63
5640.0	V	121	28	-53.53	5.52	58.99	-36.27	-13.00	-23.27
6683.5	V	310	4	-75.65	6.64	37.99	-57.26	-13.00	-44.26
7520.0	V	134	299	-75.77	7.83	39.06	-56.20	-13.00	-43.20
8356.5	V	126	17	-78.34	8.54	37.20	-58.06	-13.00	-45.06
9400.0	V	-	-	-80.03	10.22	37.19	-58.07	-13.00	-45.07

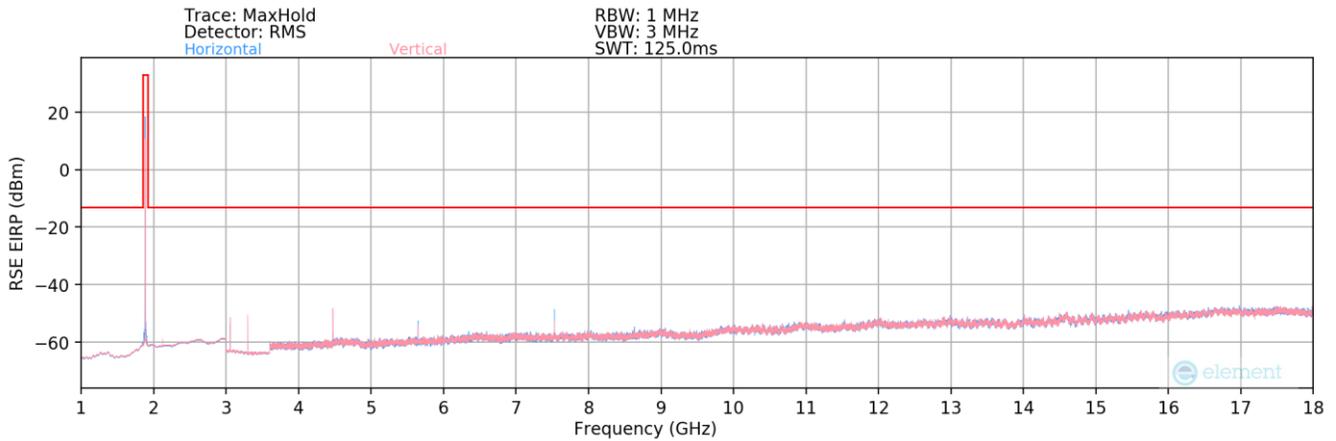
**Table 7-27. Radiated Spurious Data (NR Band n2-B5 – Ant B – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 217 of 239

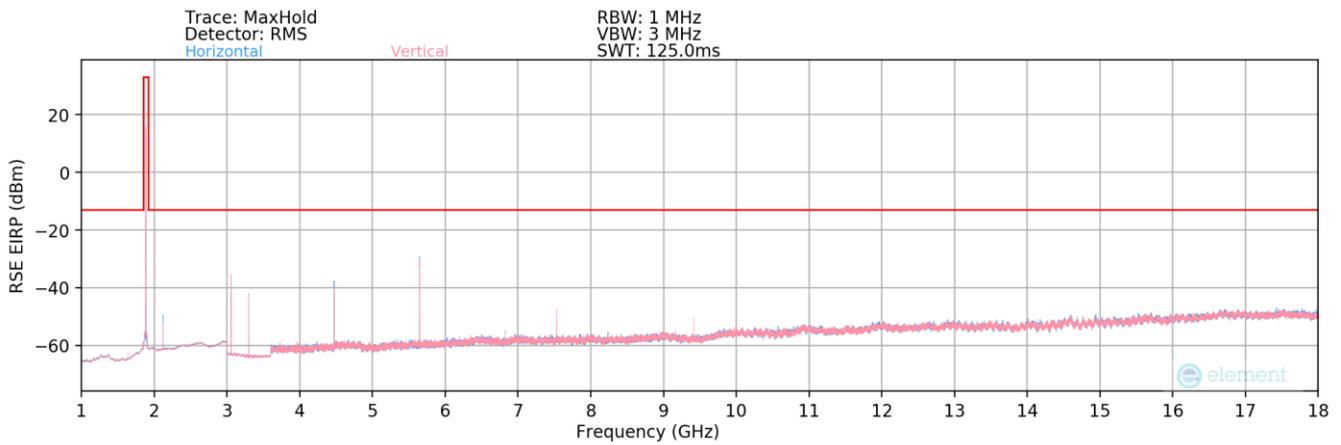
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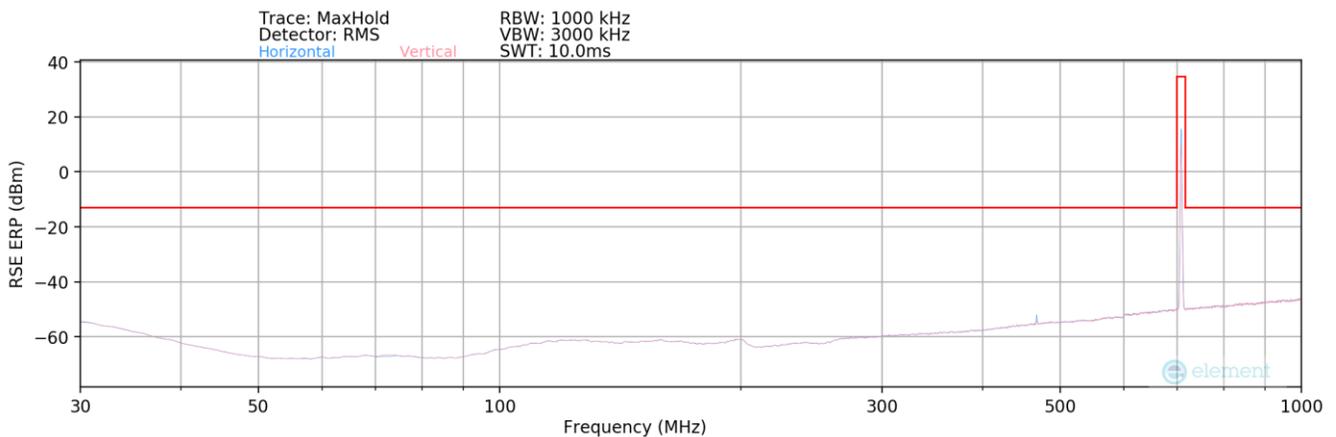
### EN-DC n25 (Ant B) – Band 12



**Plot 7-355. Radiated Spurious Plot (NR n25 – Band 12 – Ant B – Open)**



**Plot 7-356. Radiated Spurious Plot (NR n25 – Band 12 – Ant B – Closed)**



**Plot 7-357. Radiated Spurious Plot (NR n25 – Band 12 – Ant B – Closed – Below 1GHz)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 218 of 239



<b>Case:</b>	n25 + B12
<b>Bandwidth (MHz):</b>	40 & 10
<b>Frequency (MHz):</b>	1882.5 & 707.5
<b>RB / Offset:</b>	1/108 & 1/25
<b>Mode:</b>	EN-DC
<b>Anchor Band:</b>	LTE Band 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
467.5	H	204	143	-81.45	25.37	50.92	-44.34	-13.00	-31.34
2122.5	H	383	347	-58.86	-0.25	47.89	-47.36	-13.00	-34.36
3057.5	V	124	231	-52.56	3.13	57.57	-37.68	-13.00	-24.68
3297.5	H	352	136	-52.17	2.44	57.27	-37.99	-13.00	-24.99
4472.5	H	269	120	-56.23	3.77	54.54	-40.71	-13.00	-27.71
5647.5	H	248	208	-51.68	5.45	60.77	-34.49	-13.00	-21.49
6822.5	H	-	-	-79.09	7.86	35.77	-59.48	-13.00	-46.48
7530.0	V	284	12	-66.68	7.87	48.19	-47.07	-13.00	-34.07
9412.5	V	-	-	-80.37	10.16	36.79	-58.47	-13.00	-45.47

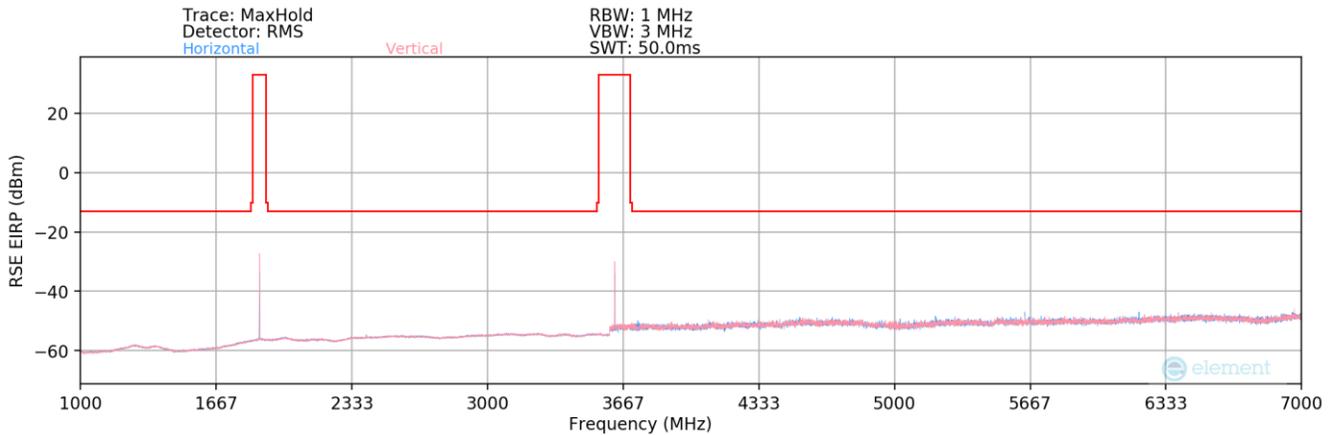
**Table 7-28. Radiated Spurious Data (NR Band n25-B12 – Ant B – Closed)**

<b>FCC ID:</b> A3LSMF936U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204010046-03.A3L	<b>Test Dates:</b> 4/1/2022 – 6/20/2022	<b>EUT Type:</b> Portable Handset	Page 219 of 239

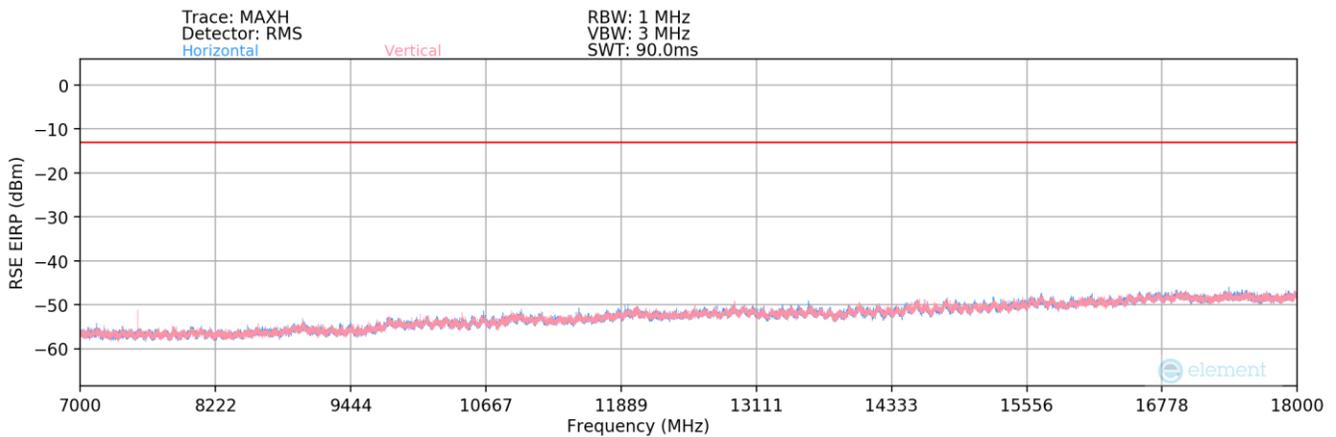
V3.0 1/5/2022

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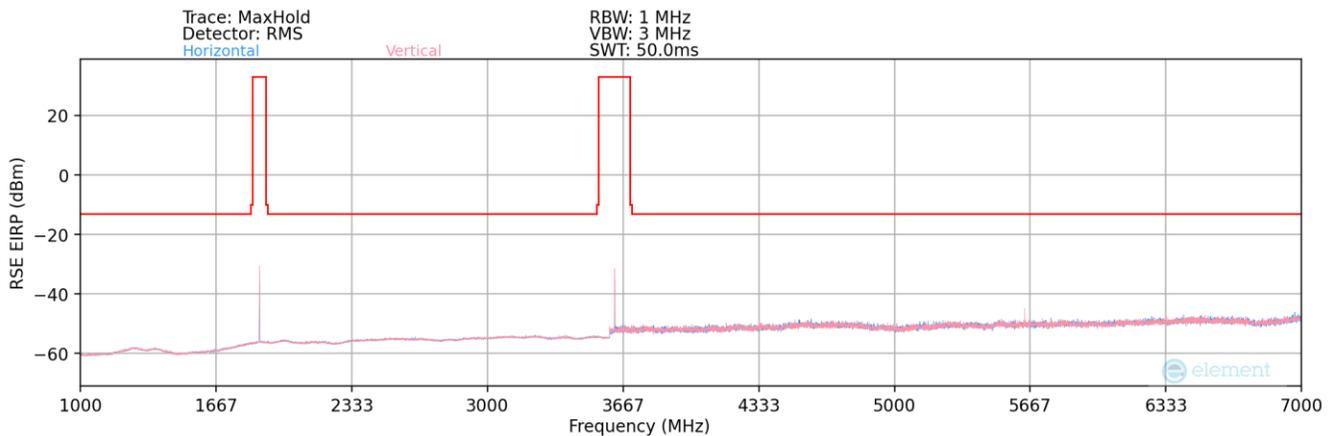
**EN-DC n2 (Ant B) – Band 48**



**Plot 7-358. Radiated Spurious Plot (NR n2 – Band 48 – Ant B – Open)**

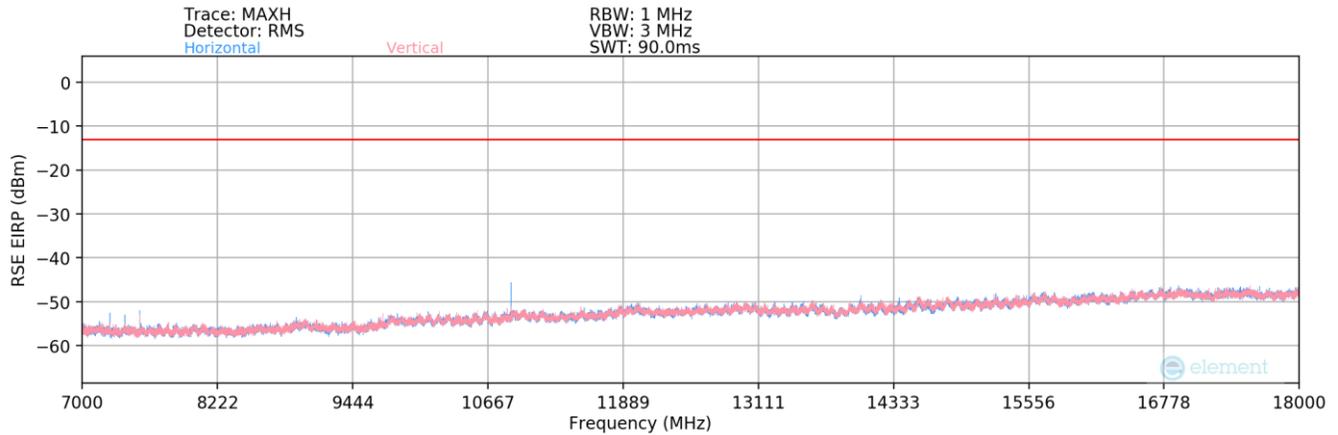


**Plot 7-359. Radiated Spurious Plot (NR n2 – Band 48 – Ant B – Open)**

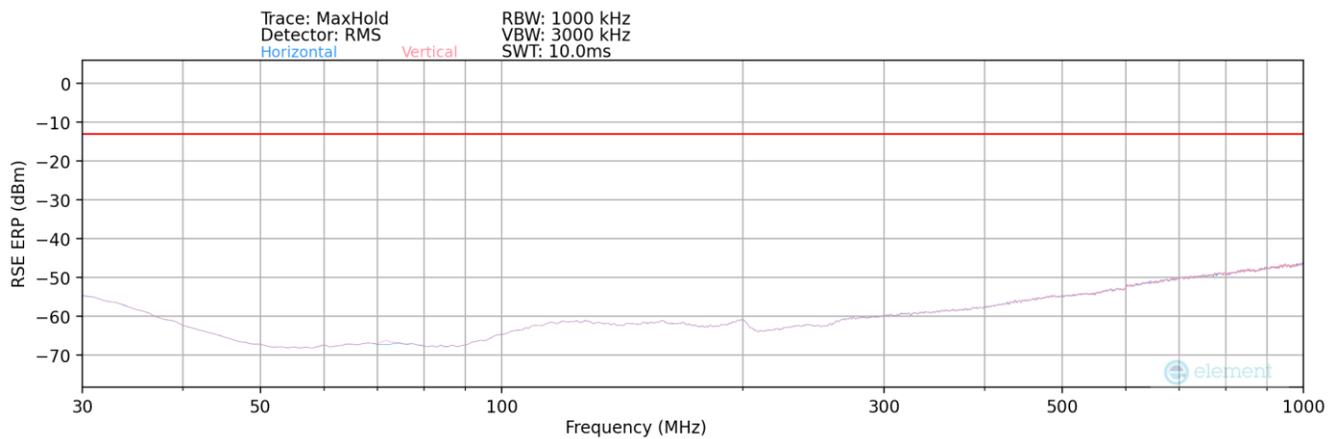


**Plot 7-360. Radiated Spurious Plot (NR n2 – Band 48 – Ant B – Closed)**

FCC ID: A3LSMF936U	<b>PART 24 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 220 of 239



**Plot 7-361. Radiated Spurious Plot (NR n2 – Band 48 – Ant B – Closed)**



**Plot 7-362. Radiated Spurious Plot (NR n2 – Band 48 – Ant B – Closed – Below 1GHz)**

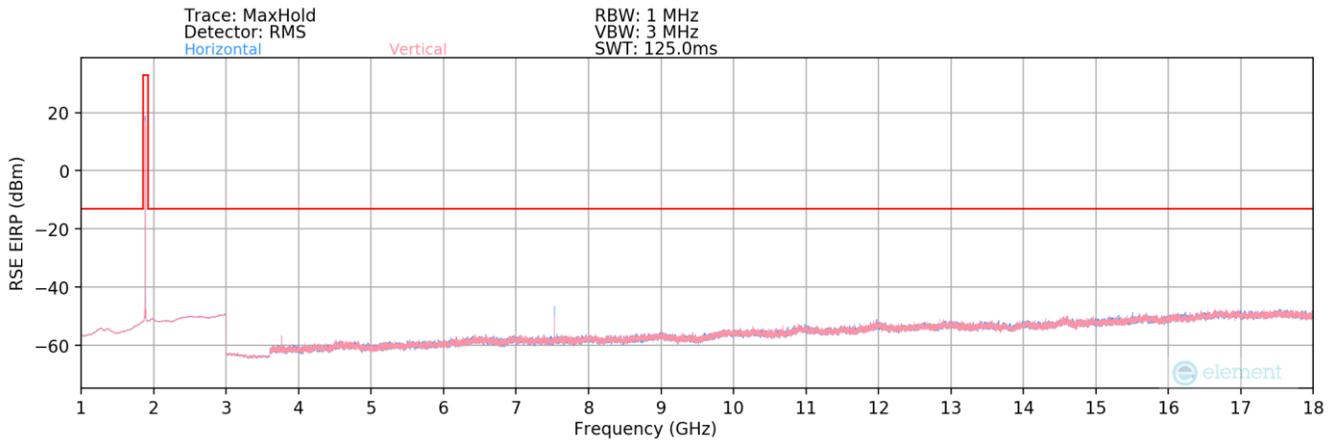
Case:	n2 + B48
Bandwidth (MHz):	20 & 20
Frequency (MHz):	1880 & 3625
RB / Offset:	1/53 & 1/50
Mode:	EN-DC
Anchor Band:	LTE Band 48

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]
135.0	V	-	-	-84.71	20.09	42.38	-52.87	-13.00	-39.87
3355.0	V	-	-	-77.08	11.82	41.74	-53.51	-13.00	-40.51
5640.0	V	123	47	-63.58	15.83	59.25	-36.01	-13.00	-23.01
7250.0	H	153	4	-75.43	7.61	39.18	-56.08	-13.00	-43.08
7520.0	H	245	338	-75.26	8.43	40.17	-55.08	-13.00	-42.08
10875.0	H	205	63	-69.90	12.18	49.28	-45.97	-13.00	-32.97

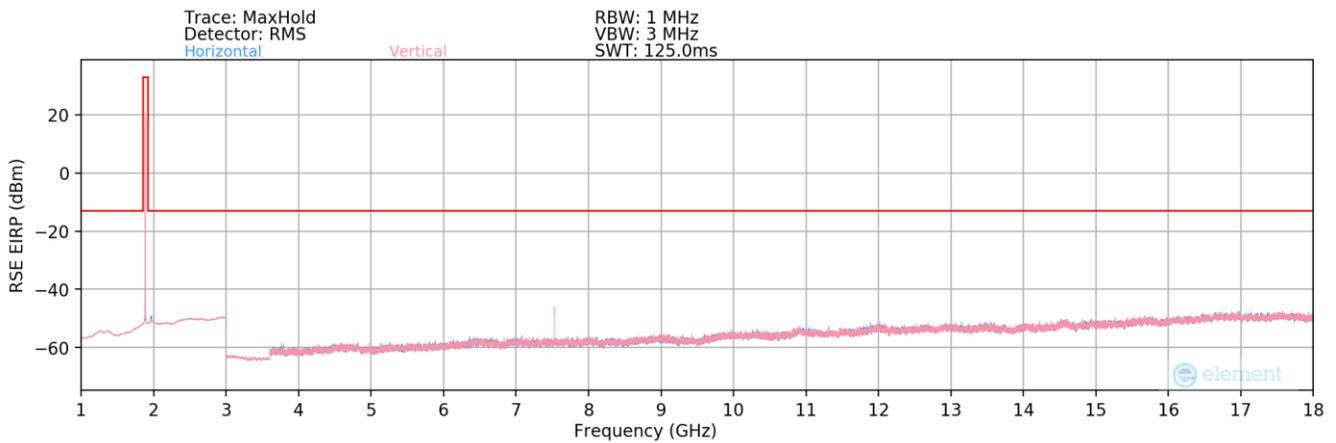
**Table 7-29. Radiated Spurious Data (NR Band n2-B48 – Ant B – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 221 of 239

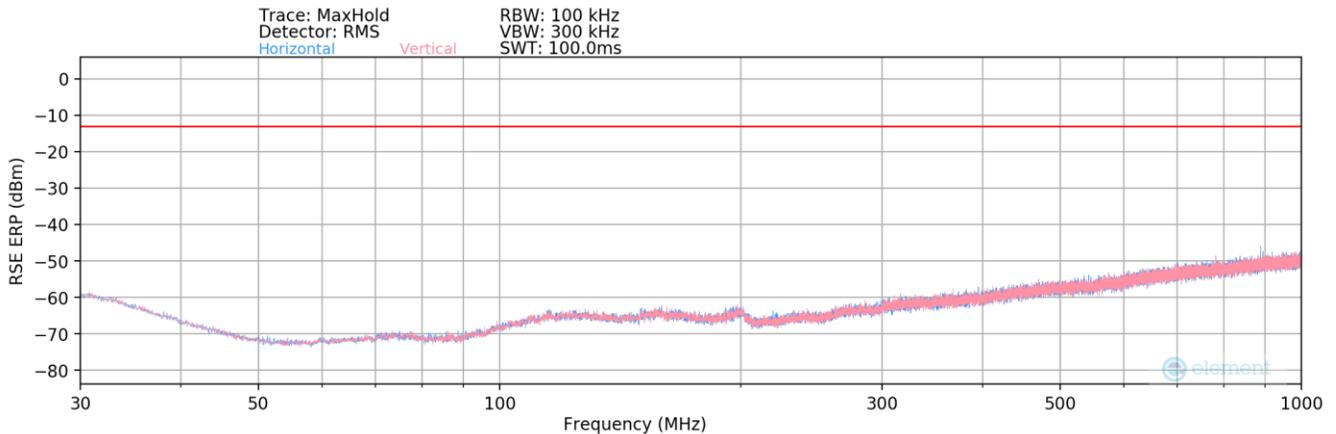
### NR Band n25/2 – Ant F



**Plot 7-363. Radiated Spurious Plot (NR n25/2 - Ant F – Open)**



**Plot 7-364. Radiated Spurious Plot (NR n25/2 - Ant F – Closed)**



**Plot 7-365. Radiated Spurious Plot (NR n25/2 - Ant F – Closed – Below 1GHz)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 222 of 239



Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
893.4	H	-	-	-83.78	31.19	54.41	-43.00	-13.00	-30.00

**Table 7-30. Radiated Spurious Data (NR Band n25/2 – Below 1GHz – Ant F – Closed)**

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3720.0	H	355	22	-74.07	3.26	36.19	-59.07	-13.00	-46.07
5580.0	H	-	-	-77.68	5.13	34.45	-60.81	-13.00	-47.81
7440.0	H	176	18	-69.08	7.67	45.59	-49.66	-13.00	-36.66
9300.0	H	-	-	-79.51	9.44	36.93	-58.33	-13.00	-45.33
11160.0	H	-	-	-79.83	12.22	39.39	-55.87	-13.00	-42.87
13020.0	H	-	-	-80.24	14.32	41.08	-54.18	-13.00	-41.18

**Table 7-31. Radiated Spurious Data (NR Band n25/2 – Low Channel – Ant F – Closed)**

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3765.0	H	348	10	-73.39	3.17	36.78	-58.48	-13.00	-45.48
5647.5	H	198	83	-77.13	5.45	35.32	-59.94	-13.00	-46.94
7530.0	H	163	31	-68.30	7.87	46.57	-48.69	-13.00	-35.69
9412.5	H	-	-	-80.25	10.16	36.91	-58.35	-13.00	-45.35
11295.0	H	-	-	-80.14	12.19	39.05	-56.20	-13.00	-43.20
13177.5	H	-	-	-80.45	13.90	40.45	-54.81	-13.00	-41.81

**Table 7-32. Radiated Spurious Data (NR Band n25/2 – Mid Channel – Ant F – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 223 of 239

V3.0 1/5/2022

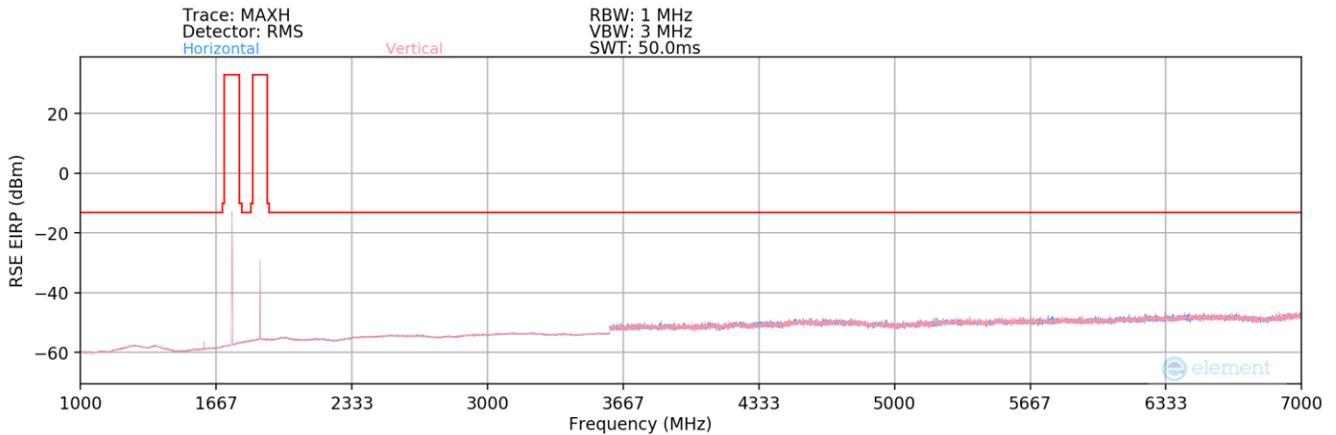
Bandwidth (MHz):	20
Frequency (MHz):	1905
RB / Offset:	1 / 53

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3810.0	H	363	17	-72.04	2.96	37.92	-57.33	-13.00	-44.33
5715.0	H	-	-	-78.49	5.45	33.96	-61.29	-13.00	-48.29
7620.0	H	157	29	-68.29	8.17	46.88	-48.38	-13.00	-35.38
9525.0	H	-	-	-80.17	9.93	36.76	-58.50	-13.00	-45.50
11430.0	H	-	-	-80.91	12.82	38.91	-56.35	-13.00	-43.35
13335.0	H	-	-	-80.20	14.06	40.86	-54.40	-13.00	-41.40

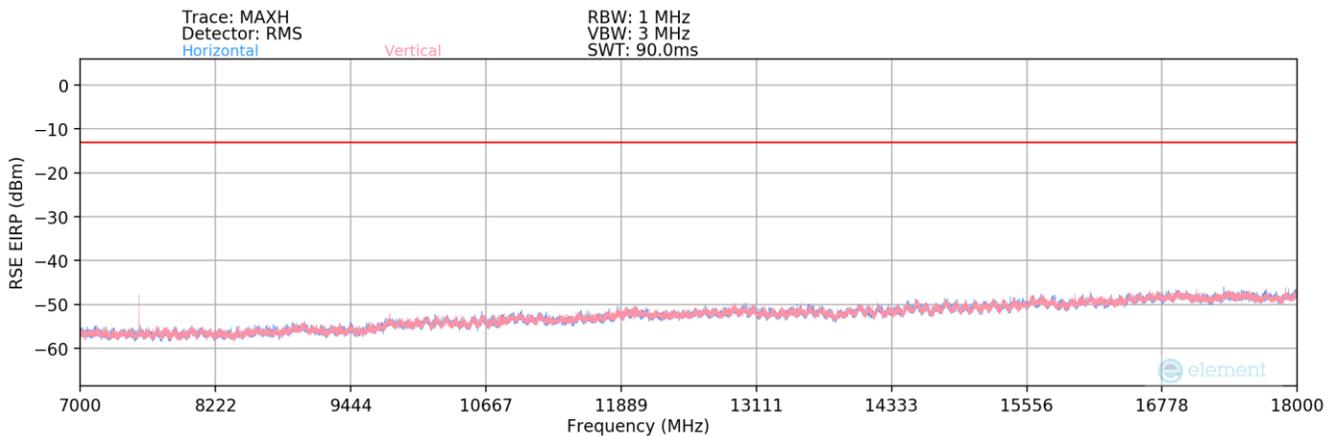
**Table 7-33. Radiated Spurious Data (NR Band n25/2 – High Channel – Ant F – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 224 of 239

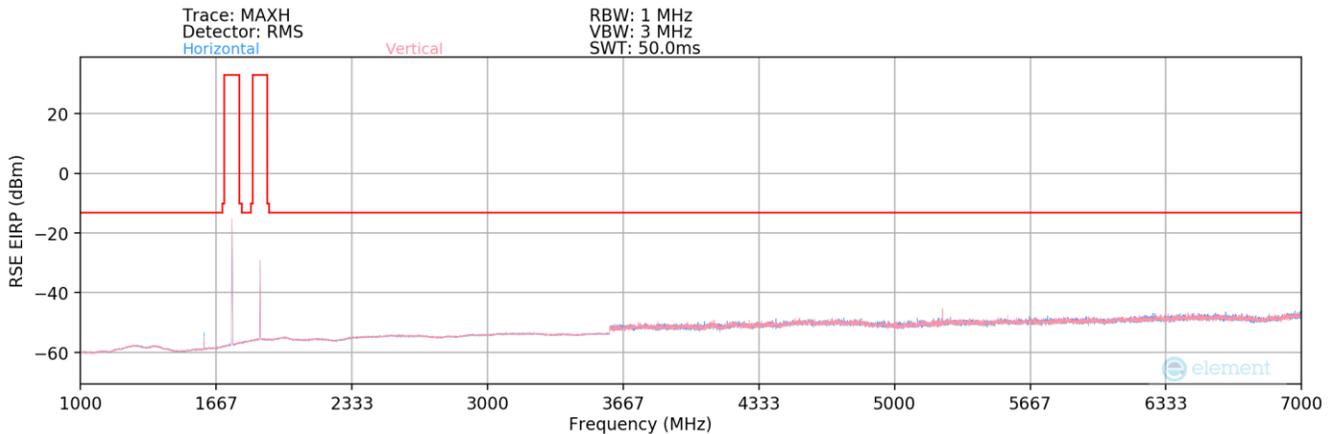
**EN-DC n25 (Ant F) – Band 66**



**Plot 7-366. Radiated Spurious Plot (NR n25 – Band 66 – Ant F – Open)**

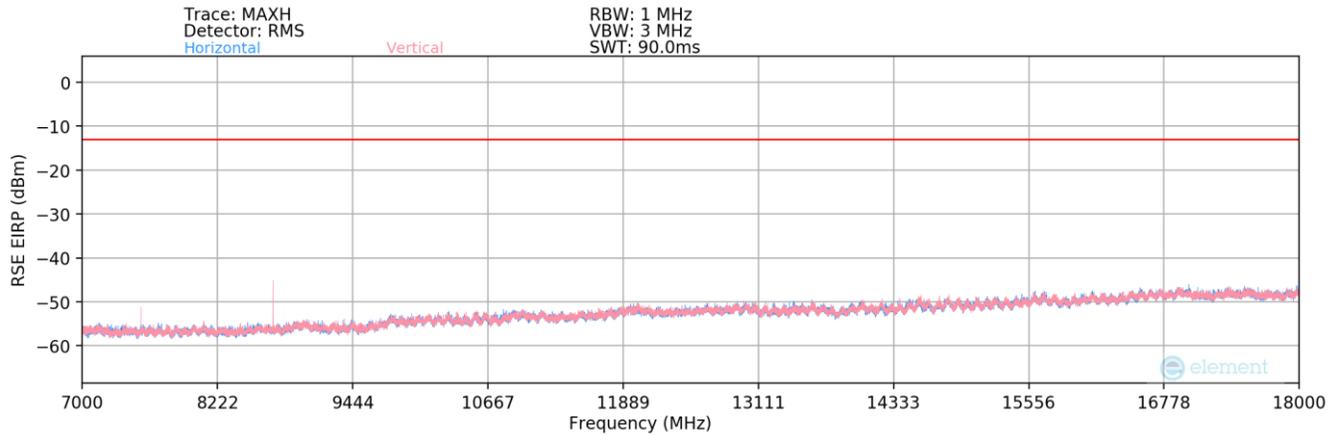


**Plot 7-367. Radiated Spurious Plot (NR n25 – Band 66 – Ant F – Open)**

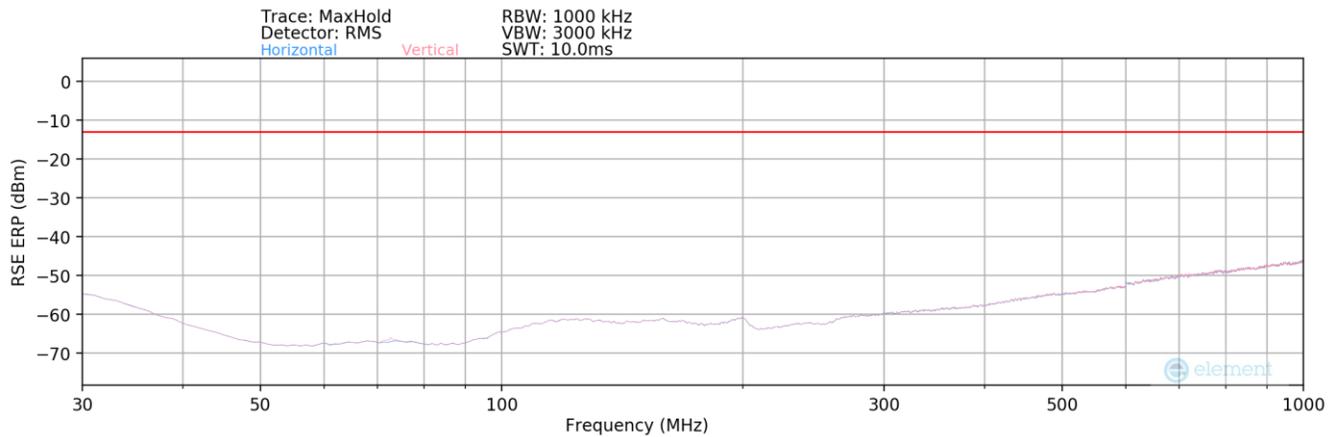


**Plot 7-368. Radiated Spurious Plot (NR n25 – Band 66 – Ant F – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 225 of 239



**Plot 7-369. Radiated Spurious Plot (NR n25 – Band 66 – Ant F – Closed)**



**Plot 7-370. Radiated Spurious Plot (NR n25 – Band 66 – Ant F – Closed – Below 1GHz)**

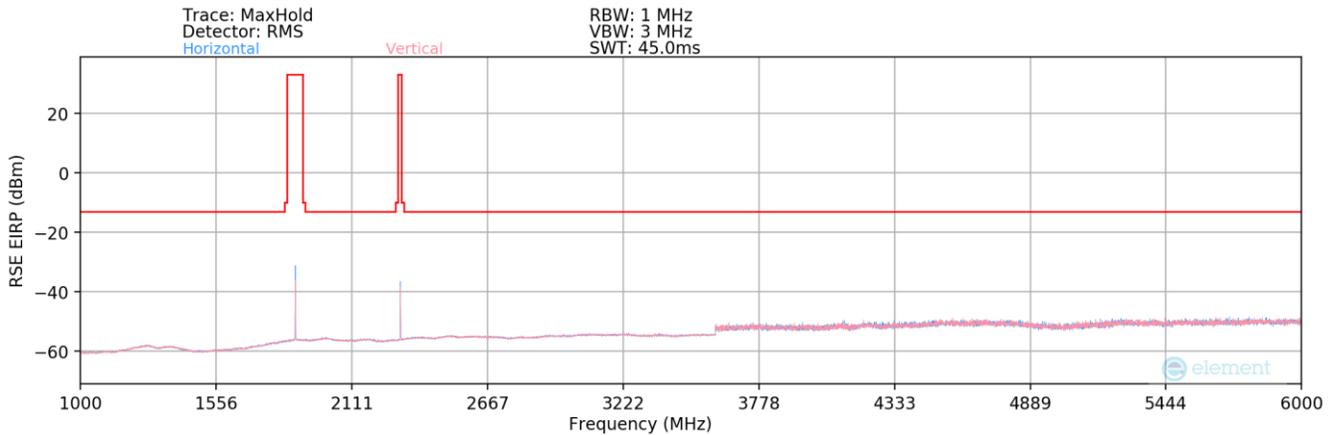
Case:	NR n25 + LTE B66
Bandwidth (MHz):	40 & 20
Frequency (MHz):	1882.5 & 1745
RB / Offset:	1 / 108 & 1 / 50
Mode:	EN-DC
Anchor Band:	LTE Band 66

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]
137.5	V	-	-	-84.35	19.82	42.47	-52.79	-13.00	-39.79
1607.5	H	166	251	-56.89	7.12	57.23	-38.03	-13.00	-25.03
2157.5	V	-	-	-76.71	10.68	40.97	-54.28	-13.00	-41.28
3627.5	V	-	-	-77.84	12.69	41.85	-53.41	-13.00	-40.41
5235.0	V	337	30	-49.49	14.92	72.43	-22.83	-13.00	-9.83
7530.0	V	151	251	-71.73	8.43	43.70	-51.55	-13.00	-38.55
8725.0	V	268	315	-63.24	8.47	52.23	-43.03	-13.00	-30.03

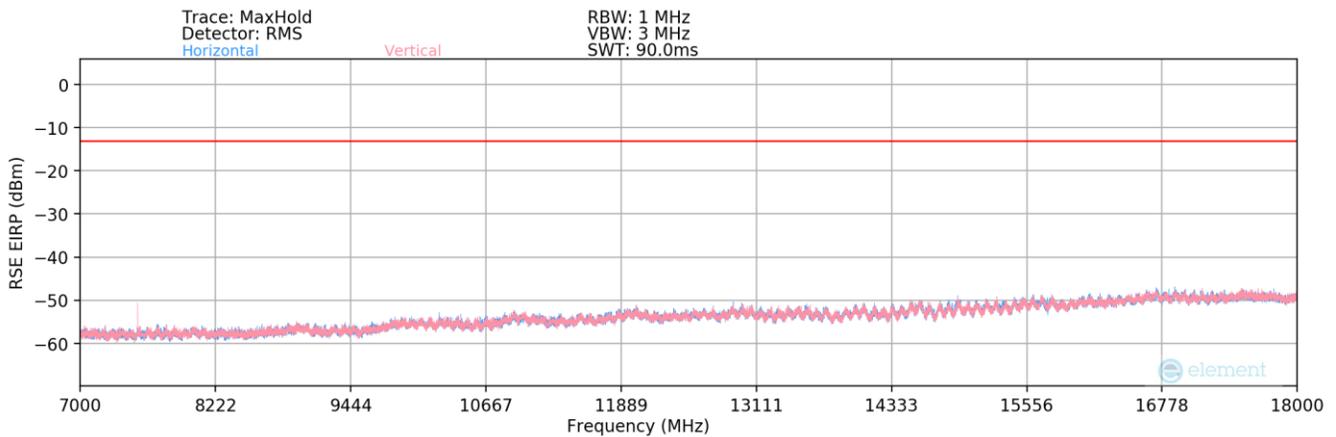
**Table 7-34. Radiated Spurious Data (NR Band n25-B66 – Ant F – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 226 of 239

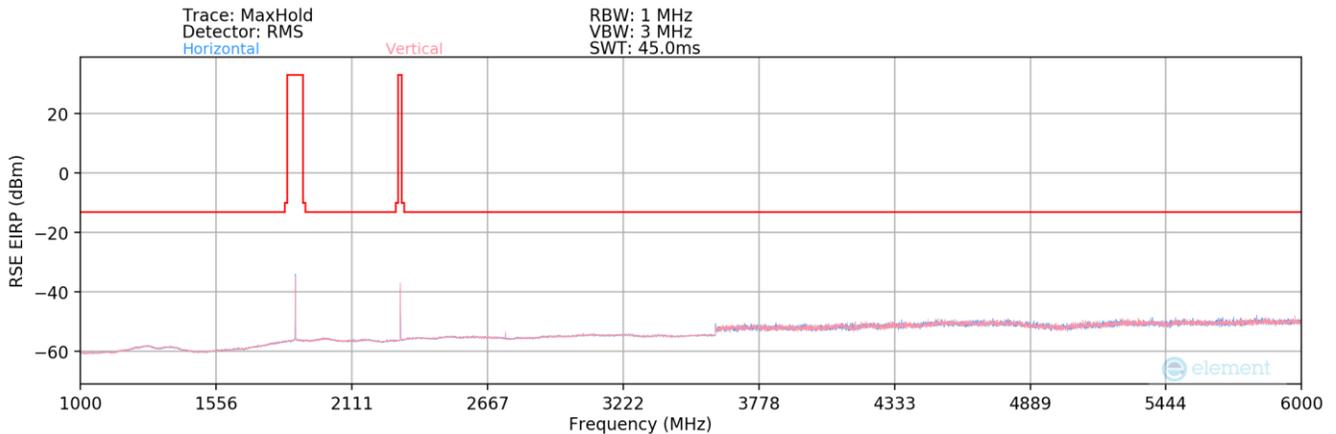
### EN-DC n2 (Ant F) – Band 30



**Plot 7-371. Radiated Spurious Plot (NR n2 – Band 30 – Ant F – Open)**

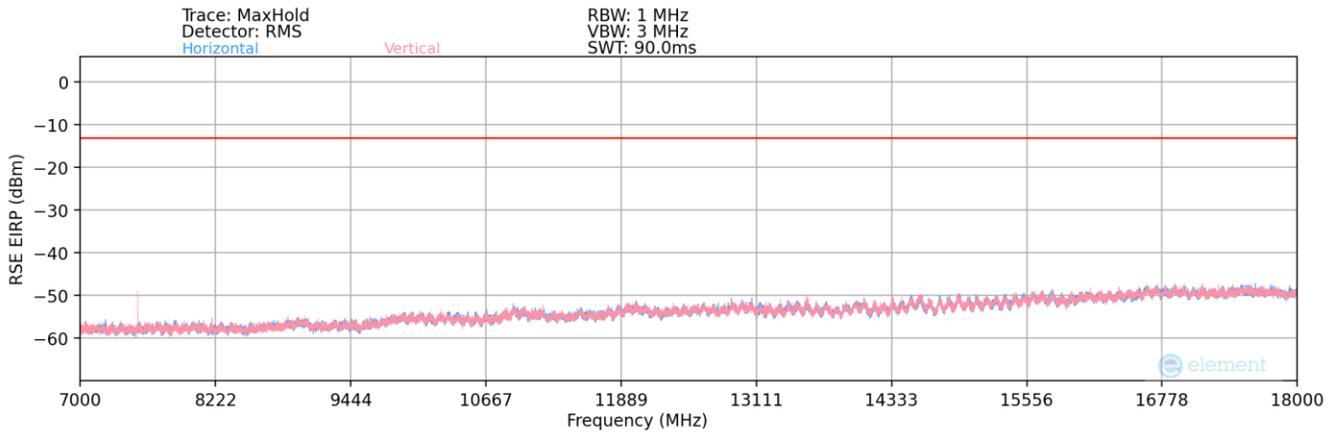


**Plot 7-372. Radiated Spurious Plot (NR n2 – Band 30 – Ant F – Open)**

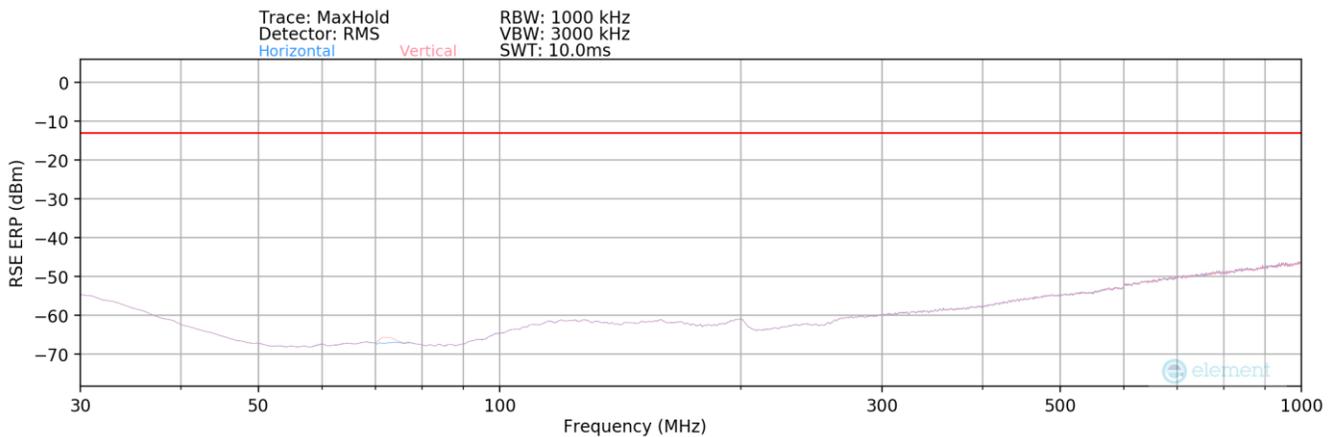


**Plot 7-373. Radiated Spurious Plot (NR n2 – Band 30 – Ant F – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 227 of 239



**Plot 7-374. Radiated Spurious Plot (NR n2 – Band 30 – Ant F – Closed)**



**Plot 7-375. Radiated Spurious Plot (NR n2 – Band 30 – Ant F – Closed – Below 1GHz)**

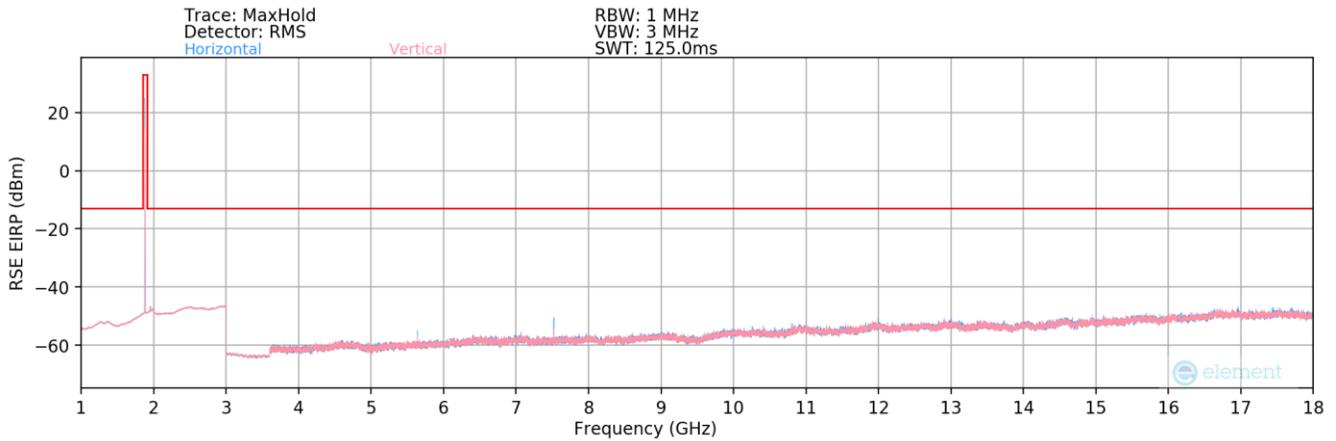
Case:	NR n2 + LTE B30
Bandwidth (MHz):	20 & 10
Frequency (MHz):	1880 & 2310
RB / Offset:	1 / 53 & 1 / 25
Mode:	EN-DC
Anchor Band:	LTE Band 30

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]
430.0	V	-	-	-90.28	23.94	40.66	-54.60	-13.00	-41.60
2740.0	V	144	332	-71.48	13.11	48.63	-46.63	-13.00	-33.63
4190.0	V	-	-	-77.72	13.73	43.01	-52.25	-13.00	-39.25
5050.0	V	-	-	-78.43	14.97	43.54	-51.72	-13.00	-38.72
7520.0	H	153	30	-65.32	7.83	49.51	-45.75	-13.00	-32.75
7950.0	H	-	-	-79.14	8.25	36.11	-59.14	-13.00	-46.14

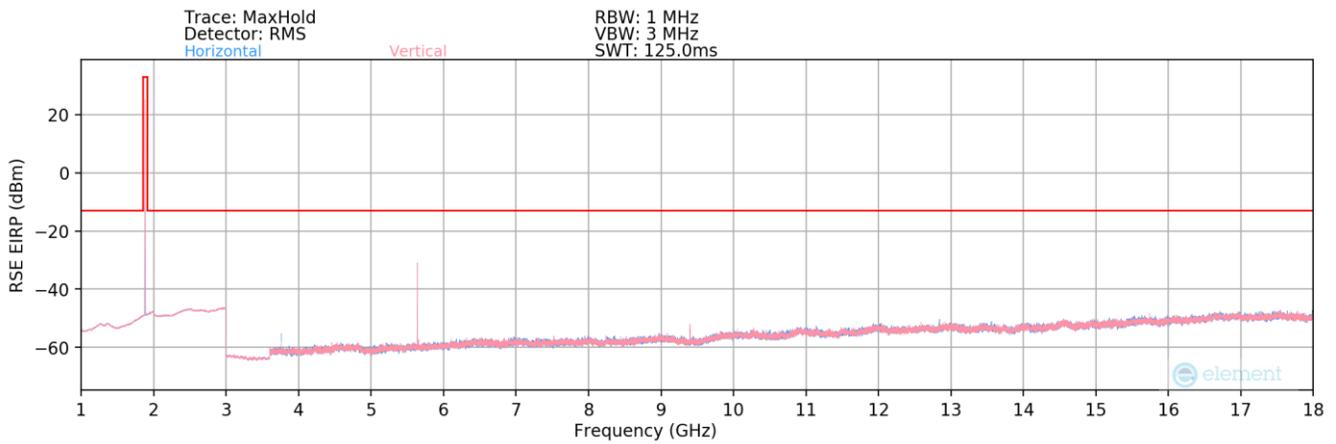
**Table 7-35. Radiated Spurious Data (NR Band n2-B30 – Ant F – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 228 of 239

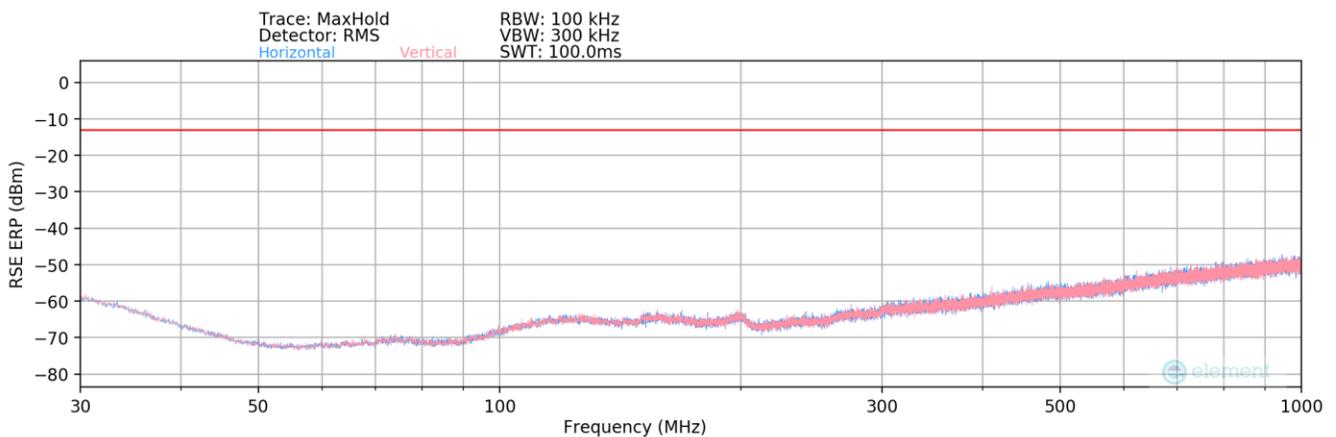
## GSM/GPRS PCS – Ant B



**Plot 7-376. Radiated Spurious Plot (GPRS PCS - Ant B – Open)**



**Plot 7-377. Radiated Spurious Plot (GPRS PCS - Ant B – Closed)**



**Plot 7-378. Radiated Spurious Plot (GPRS PCS – Below 1GHz – Ant B – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 229 of 239

Mode:	GPRS 1 Tx Slot
Channel:	810
Frequency (MHz):	1909.8

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
199.8	V	-	-	-81.24	20.25	46.01	-51.40	-13.00	-38.40

**Table 7-36. Radiated Spurious Data (GPRS PCS – Below 1GHz – High Channel – Ant B – Closed)**

Mode:	GPRS 1 Tx Slot
Channel:	512
Frequency (MHz):	1850.2

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3700.4	H	350	191	-67.36	3.57	43.21	-52.04	-13.00	-39.04
5550.6	H	231	118	-44.15	5.12	67.97	-27.28	-13.00	-14.28
7400.8	V	376	27	-62.98	7.68	51.70	-43.56	-13.00	-30.56
9251.0	V	206	164	-64.47	8.84	51.37	-43.89	-13.00	-30.89
11101.2	H	-	-	-78.08	12.47	41.39	-53.87	-13.00	-40.87
12951.4	H	-	-	-78.38	14.17	42.79	-52.46	-13.00	-39.46
14801.6	H	-	-	-78.73	15.69	43.96	-51.30	-13.00	-38.30

**Table 7-37. Radiated Spurious Data (GPRS PCS – Low Channel – Ant B – Closed)**

Mode:	GPRS 1 Tx Slot
Channel:	661
Frequency (MHz):	1880

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3760.0	H	334	197	-68.04	3.16	42.12	-53.13	-13.00	-40.13
5640.0	H	223	110	-44.01	5.52	68.51	-26.75	-13.00	-13.75
7520.0	V	381	25	-63.25	7.83	51.58	-43.68	-13.00	-30.68
9400.0	V	225	165	-64.10	10.22	53.12	-42.14	-13.00	-29.14
11280.0	H	-	-	-78.36	12.48	41.12	-54.14	-13.00	-41.14
13160.0	H	-	-	-77.68	13.95	43.27	-51.99	-13.00	-38.99
15040.0	H	-	-	-78.64	15.61	43.97	-51.29	-13.00	-38.29

**Table 7-38. Radiated Spurious Data (GPRS PCS – Mid Channel – Ant B – Closed)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 230 of 239



<b>Mode:</b>	GPRS 1 Tx Slot
<b>Channel:</b>	810
<b>Frequency (MHz):</b>	1909.8

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]
3819.6	H	353	187	-66.45	3.00	43.55	-51.71	-13.00	-38.71
5729.4	H	199	90	-41.97	5.41	70.44	-24.82	-13.00	-11.82
7639.2	V	366	22	-64.85	7.95	50.10	-45.16	-13.00	-32.16
9549.0	V	235	164	-58.46	9.95	58.49	-36.77	-13.00	-23.77
11458.8	H	-	-	-78.82	12.58	40.76	-54.49	-13.00	-41.49
13368.6	H	-	-	-78.22	13.84	42.62	-52.63	-13.00	-39.63
15278.4	H	-	-	-77.98	16.17	45.19	-50.07	-13.00	-37.07

**Table 7-39. Radiated Spurious Data (GPRS PCS – High Channel – Ant B – Closed)**

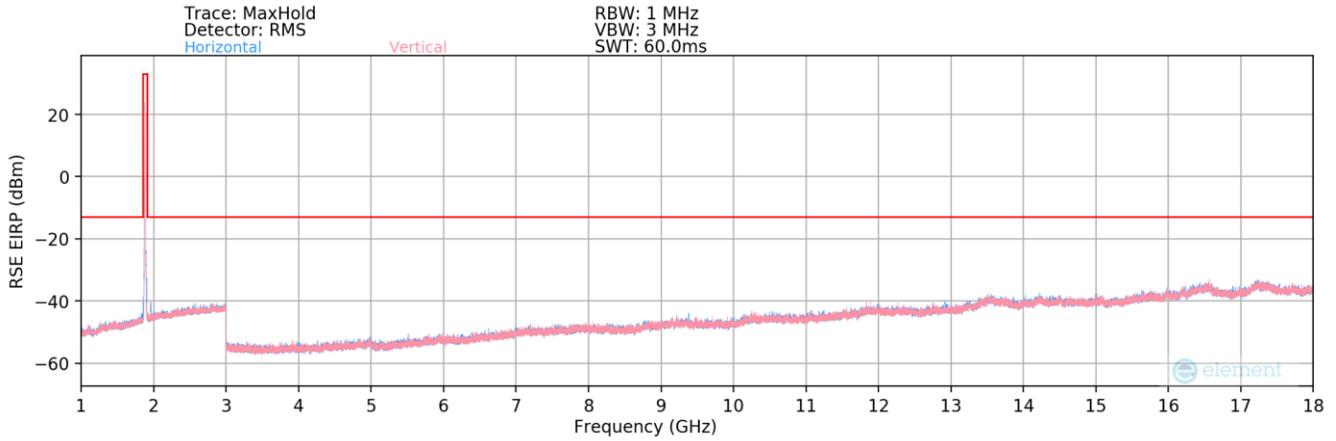
<b>Case:</b>	w/ Wireless Charging Pad
<b>Mode:</b>	GPRS 1 Tx Slot
<b>Channel:</b>	810
<b>Frequency (MHz):</b>	1909.8

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]
3819.6	H	299	211	-65.70	3.00	44.30	-50.96	-13.00	-37.96
5729.4	H	246	132	-42.71	5.41	69.70	-25.56	-13.00	-12.56
7639.2	V	214	359	-68.96	7.95	45.99	-49.27	-13.00	-36.27
9549.0	V	198	112	-60.67	9.95	56.28	-38.98	-13.00	-25.98
11458.8	H	-	-	-78.37	12.58	41.21	-54.04	-13.00	-41.04
13368.6	H	-	-	-78.25	13.84	42.59	-52.66	-13.00	-39.66
15278.4	H	-	-	-78.11	16.17	45.06	-50.20	-13.00	-37.20

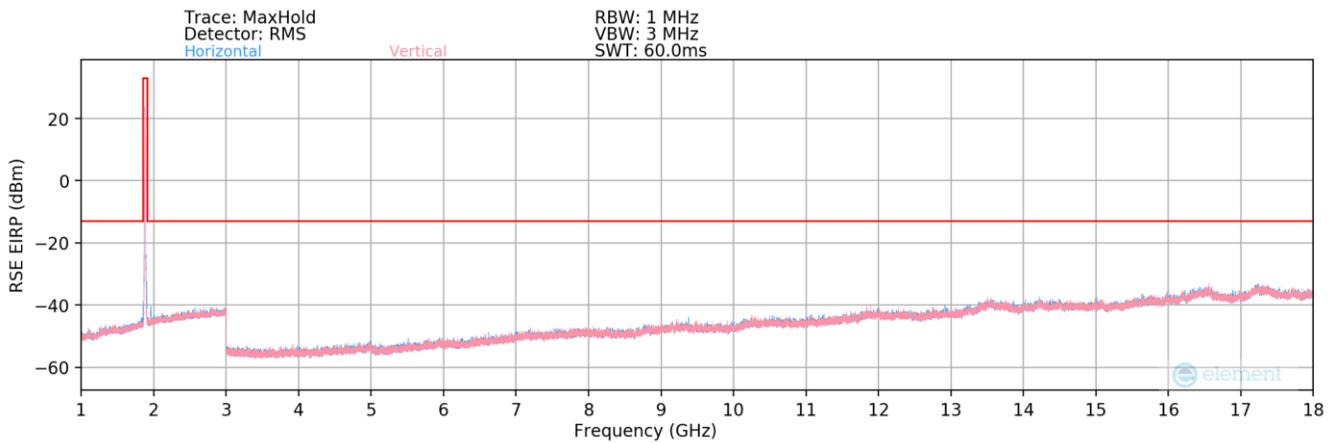
**Table 7-40. Radiated Spurious Data with WCP (GPRS PCS - Ant B – Closed)**

<b>FCC ID:</b> A3LSMF936U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204010046-03.A3L	<b>Test Dates:</b> 4/1/2022 – 6/20/2022	<b>EUT Type:</b> Portable Handset	Page 231 of 239

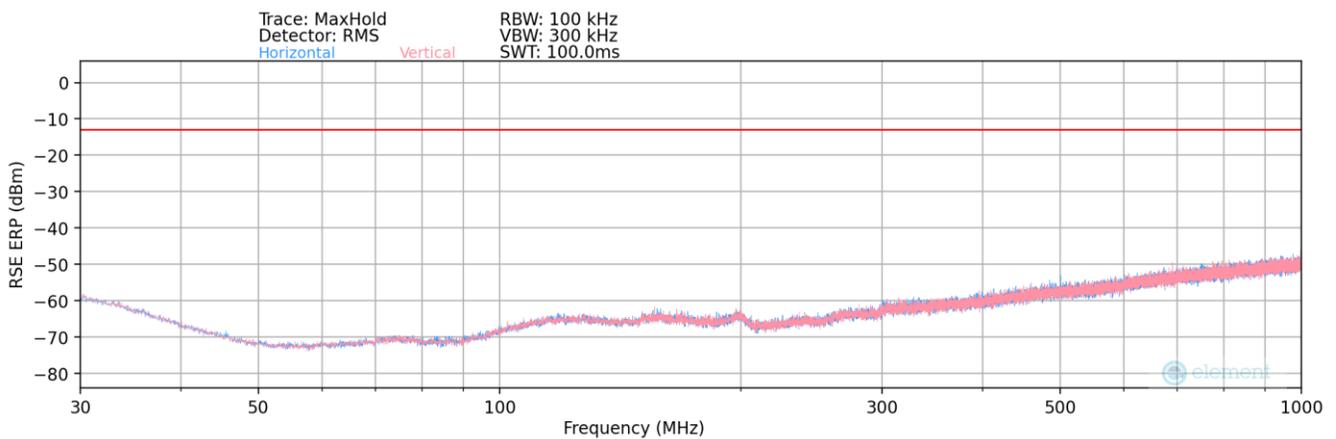
## WCDMA PCS – Ant B



**Plot 7-379. Radiated Spurious Plot (WCDMA PCS – Ant B – OPEN)**



**Plot 7-380. Radiated Spurious Plot (WCDMA PCS – Ant B – CLOSED)**



**Plot 7-381. Radiated Spurious Plot (WCDMA PCS – Below 1GHz – Ant B – CLOSED)**

FCC ID: A3LSMF936U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204010046-03.A3L	Test Dates: 4/1/2022 – 6/20/2022	EUT Type: Portable Handset	Page 232 of 239