

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	$\pi/2$ BPSK	1860.0	H	150	208	8.72	1 / 26	12.98	21.71	0.148	33.01	-11.30
	$\pi/2$ BPSK	1882.5	H	150	209	8.73	1 / 26	13.46	<b>22.19</b>	0.166	33.01	-10.82
	$\pi/2$ BPSK	1905.0	H	145	207	8.73	1 / 26	13.40	22.13	0.163	33.01	-10.88
	QPSK	1860.0	H	150	208	8.72	1 / 53	12.95	21.67	0.147	33.01	-11.34
	QPSK	1882.5	H	150	209	8.73	1 / 79	13.33	22.06	0.161	33.01	-10.95
	QPSK	1905.0	H	145	207	8.73	1 / 53	13.10	21.83	0.153	33.01	-11.18
15 MHz	16-QAM	1905.0	H	145	207	8.73	1 / 53	12.45	21.18	0.131	33.01	-11.83
	$\pi/2$ BPSK	1857.5	H	150	208	8.72	1 / 20	13.14	21.87	0.154	33.01	-11.14
	$\pi/2$ BPSK	1882.5	H	150	209	8.73	1 / 58	13.63	<b>22.36</b>	0.172	33.01	-10.65
	$\pi/2$ BPSK	1907.5	H	145	207	8.73	79 / 0	13.19	21.92	0.156	33.01	-11.09
	QPSK	1857.5	H	150	208	8.72	1 / 58	13.20	21.93	0.156	33.01	-11.08
	QPSK	1882.5	H	150	209	8.73	1 / 39	13.35	22.08	0.161	33.01	-10.93
10 MHz	QPSK	1907.5	H	145	207	8.73	1 / 20	13.12	21.85	0.153	33.01	-11.16
	16-QAM	1907.5	H	145	207	8.73	1 / 20	12.29	21.02	0.127	33.01	-11.99
	$\pi/2$ BPSK	1855.0	H	150	208	8.72	1 / 26	13.15	21.87	0.154	33.01	-11.14
	$\pi/2$ BPSK	1882.5	H	150	209	8.73	1 / 26	13.54	<b>22.27</b>	0.169	33.01	-10.74
	$\pi/2$ BPSK	1910.0	H	145	207	8.73	1 / 26	13.24	21.98	0.158	33.01	-11.03
	QPSK	1855.0	H	150	208	8.72	1 / 26	13.15	21.88	0.154	33.01	-11.13
5 MHz	QPSK	1882.5	H	150	209	8.73	1 / 26	13.29	22.02	0.159	33.01	-10.99
	QPSK	1910.0	H	145	207	8.73	1 / 38	12.82	21.56	0.143	33.01	-11.45
	16-QAM	1910.0	H	145	207	8.73	1 / 13	12.27	21.01	0.126	33.01	-12.00
	$\pi/2$ BPSK	1852.5	H	150	208	8.72	1 / 18	12.99	21.72	0.148	33.01	-11.29
	$\pi/2$ BPSK	1882.5	H	150	209	8.73	1 / 12	13.52	<b>22.25</b>	0.168	33.01	-10.77
	$\pi/2$ BPSK	1912.5	H	145	207	8.73	1 / 18	13.08	21.81	0.152	33.01	-11.20
5 MHz	QPSK	1852.5	H	150	208	8.72	1 / 18	12.94	21.66	0.147	33.01	-11.35
	QPSK	1882.5	H	150	209	8.73	1 / 18	13.28	22.01	0.159	33.01	-11.00
	QPSK	1912.5	H	145	207	8.73	1 / 12	12.84	21.58	0.144	33.01	-11.43
	16-QAM	1912.5	H	145	207	8.73	1 / 12	12.40	21.13	0.130	33.01	-11.88

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

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	V	122	265	21.15	8.72	<b>29.87</b>	0.971	33.01	-3.14
1880.00	GPRS1900	V	120	243	20.50	8.73	29.23	0.837	33.01	-3.78
1909.80	GPRS1900	V	133	275	20.45	8.73	29.18	0.829	33.01	-3.83
1850.20	GPRS1900 (Opposite Pol.)	H	147	192	19.85	8.72	28.57	0.720	33.01	-4.44
1850.20	EDGE1900	V	122	265	16.09	8.72	<b>24.81</b>	0.303	33.01	-8.20
1850.20	GSM1900 (WCP)	V	140	268	20.78	8.72	<b>29.50</b>	0.892	33.01	-3.51
1850.20	GPRS1900 (Open)	H	104	219	19.48	8.72	28.20	0.661	33.01	-4.81

**Table 7-13. EIRP Data (GPRS PCS) – HALF OPEN**

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	WCDMA 1900	V	132	310	15.05	8.72	<b>23.77</b>	0.238	33.01	-9.24
1880.00	WCDMA 1900	V	109	322	14.50	8.73	23.23	0.210	33.01	-9.78
1907.60	WCDMA 1900	V	109	325	14.55	8.73	23.28	0.213	33.01	-9.73
1852.40	WCDMA 1900 (Opposite Pol.)	H	116	191	14.71	8.72	23.43	0.220	33.01	-9.58
1852.40	WCDMA 1900 (WCP)	V	154	262	14.62	8.72	23.34	0.216	33.01	-9.67
1852.40	WCDMA 1900 (WCP)	V	113	334	14.59	8.72	23.31	0.214	33.01	-9.70

**Table 7-14. EIRP Data (WCDMA PCS) – HALF OPEN**

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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

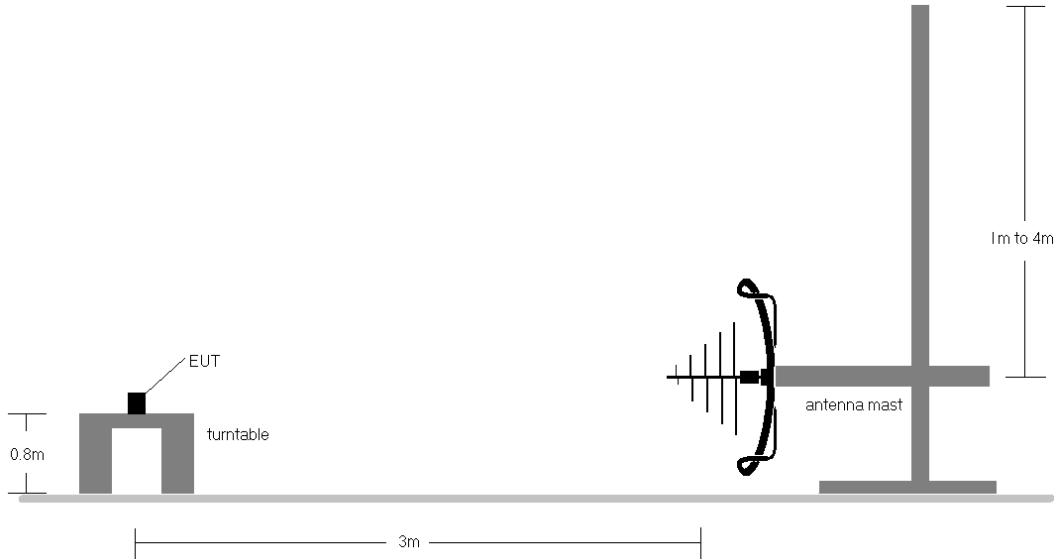
### Test Settings

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

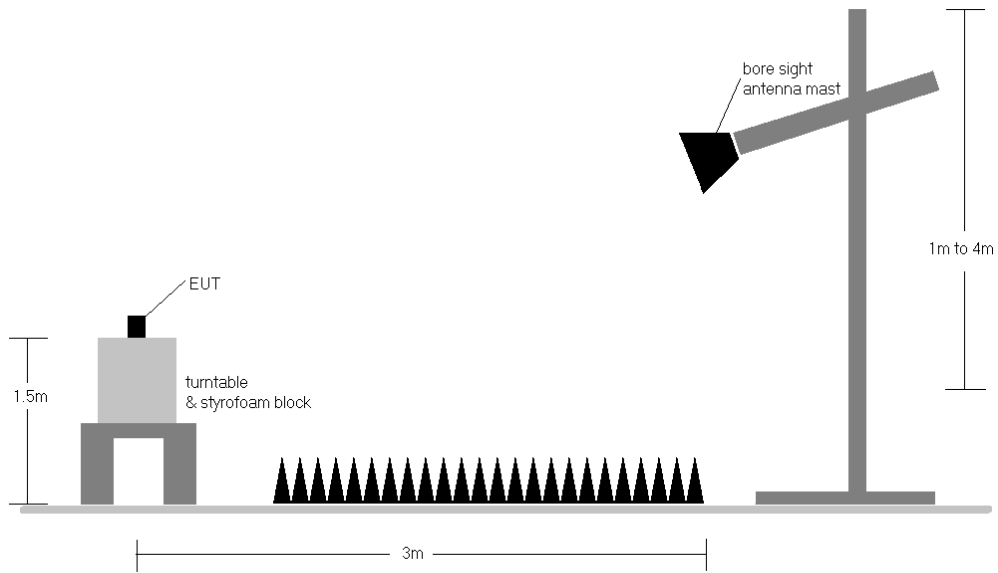
<b>FCC ID:</b> A3LSMF721U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204080051-03.A3L	<b>Test Dates:</b> 04/01 - 06/02/2022	<b>EUT Type:</b> Portable Handset	Page 168 of 201

**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**

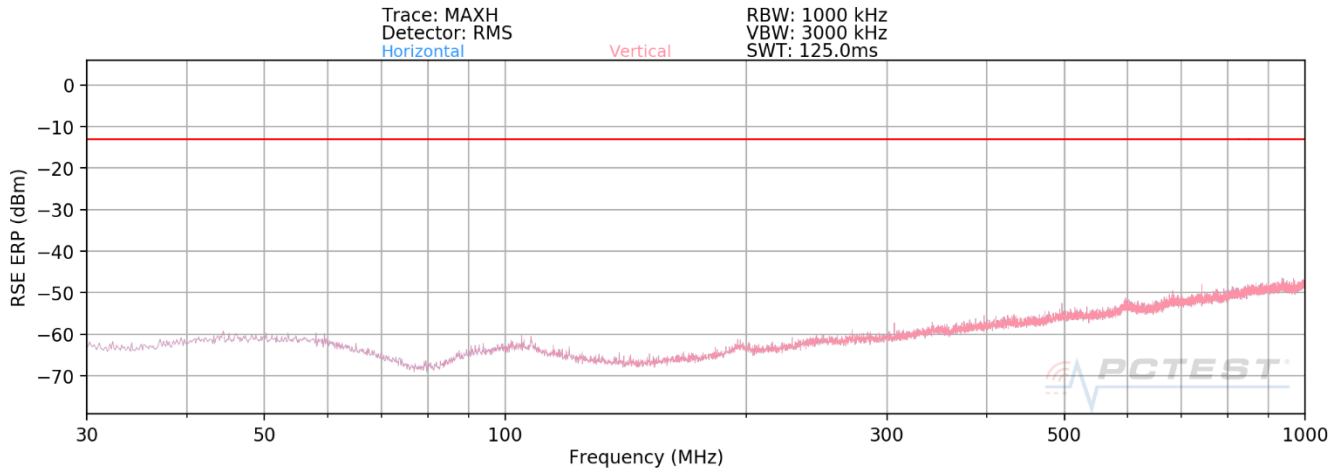
<b>FCC ID:</b> A3LSMF721U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204080051-03.A3L	<b>Test Dates:</b> 04/01 - 06/02/2022	<b>EUT Type:</b> Portable Handset	Page 169 of 201

## Test Notes

- 1) Field strengths are calculated using the Measurement quantity conversions in ANSI C63.26-2015 Section 5.2.7:
  - a)  $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
  - b)  $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$ ; where D is the measurement distance in meters.
- 2) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest powers is 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 power is 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, is subject to the rules under which the NR carrier operates. Spurious emission 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

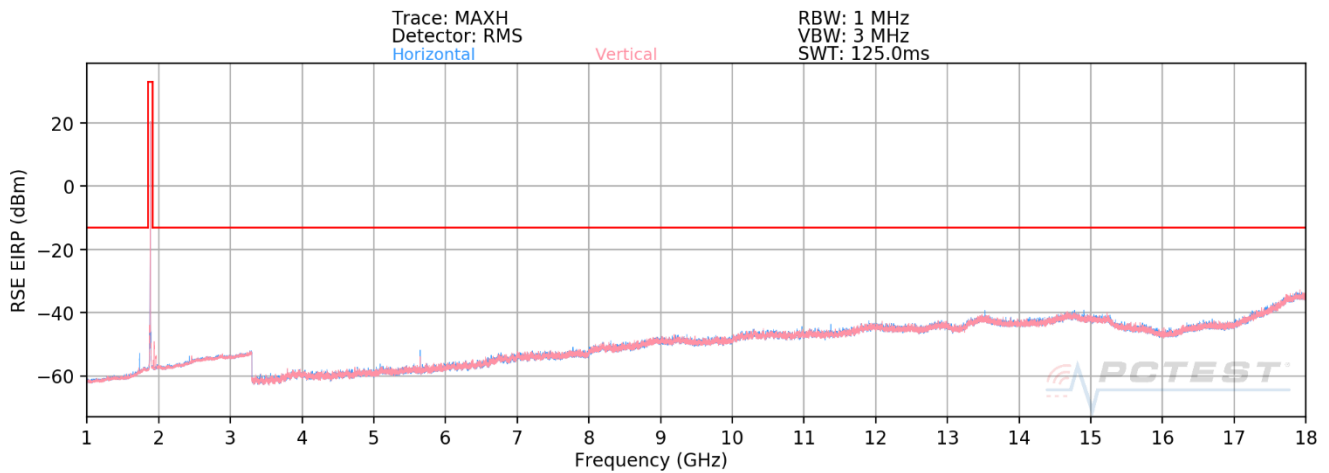


**Plot 7-276. Radiated Spurious Plot Below 1GHz (LTE Band 25/2) – HALF OPEN**

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

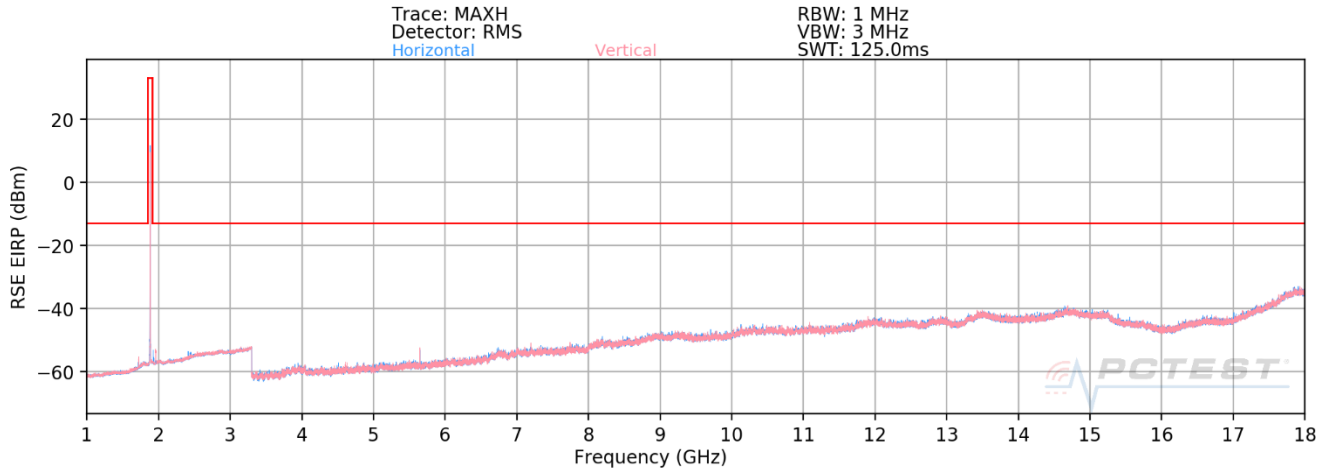
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
926.88	V	-	-	-78.96	25.25	53.29	-41.96	-13.00	-28.96

**Table 7-15. Radiated Spurious Data (LTE Band 25/2) – HALF OPEN**



**Plot 7-277. Radiated Spurious Plot Above 1GHz (LTE Band 25/2) – HALF OPEN**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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**Plot 7-278. Radiated Spurious Plot Below 1GHz (LTE Band 25/2) – CLOSE**

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]
3720.00	V	-	-	-76.67	0.40	30.73	-64.53	-13.00	-51.53
5580.00	V	305	77	-74.20	3.85	36.65	-58.61	-13.00	-45.61
7440.00	V	294	58	-78.32	9.13	37.81	-57.45	-13.00	-44.45
9300.00	V	-	-	-81.60	12.42	37.82	-57.44	-13.00	-44.44
11160.00	V	-	-	-82.21	14.57	39.36	-55.90	-13.00	-42.90
13020.00	V	-	-	-82.59	17.04	41.45	-53.81	-13.00	-40.81

**Table 7-16. Radiated Spurious Data (LTE Band 25/2 – Low Channel) – HALF OPEN**

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]
3765.00	V	-	-	-78.21	0.74	29.53	-65.73	-13.00	-52.73
5647.50	V	268	73	-72.37	3.62	38.25	-57.00	-13.00	-44.00
7530.00	V	288	51	-78.30	9.00	37.70	-57.56	-13.00	-44.56
9412.50	V	-	-	-81.49	12.16	37.67	-57.59	-13.00	-44.59
11295.00	V	-	-	-82.52	14.15	38.63	-56.63	-13.00	-43.63
13177.50	V	-	-	-83.03	16.85	40.82	-54.44	-13.00	-41.44

**Table 7-17. Radiated Spurious Data (LTE Band 25/2 – Mid Channel) – HALF OPEN**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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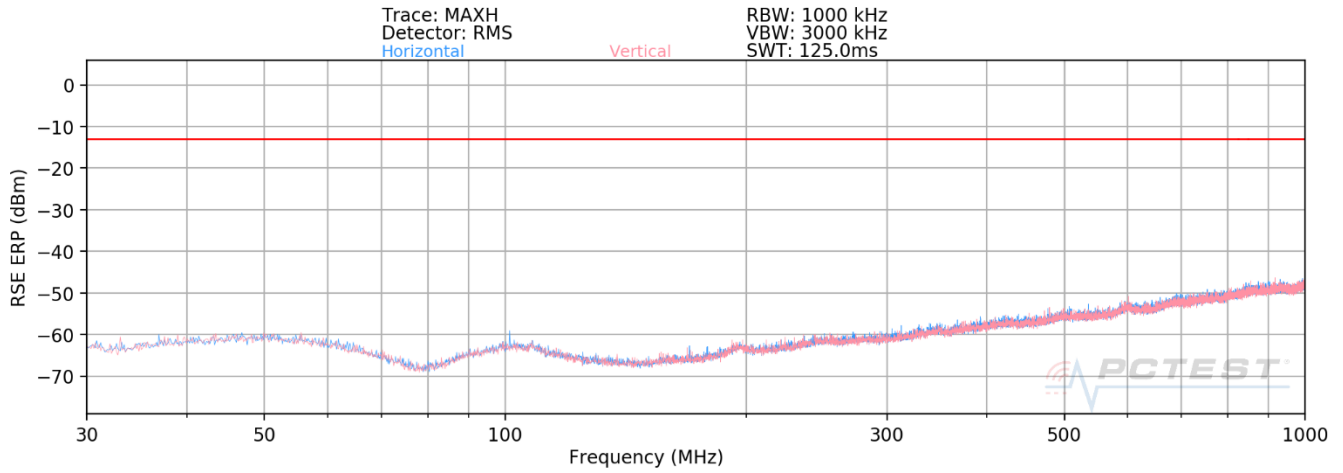
<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1905
<b>RB / Offset:</b>	1 / 50

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]
3810.00	V	-	-	-77.25	1.51	31.26	-64.00	-13.00	-51.00
5715.00	V	248	68	-72.01	4.27	39.26	-56.00	-13.00	-43.00
7620.00	V	262	47	-78.37	9.03	37.66	-57.60	-13.00	-44.60
9525.00	V	-	-	-81.65	12.18	37.53	-57.73	-13.00	-44.73
11430.00	V	-	-	-83.07	14.71	38.64	-56.61	-13.00	-43.61
13335.00	V	-	-	-83.17	18.12	41.95	-53.31	-13.00	-40.31

**Table 7-18. Radiated Spurious Data (LTE Band 25/2 – High Channel) – HALF OPEN**

<b>FCC ID:</b> A3LSMF721U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
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**NR Band n25/2 – Ant A**

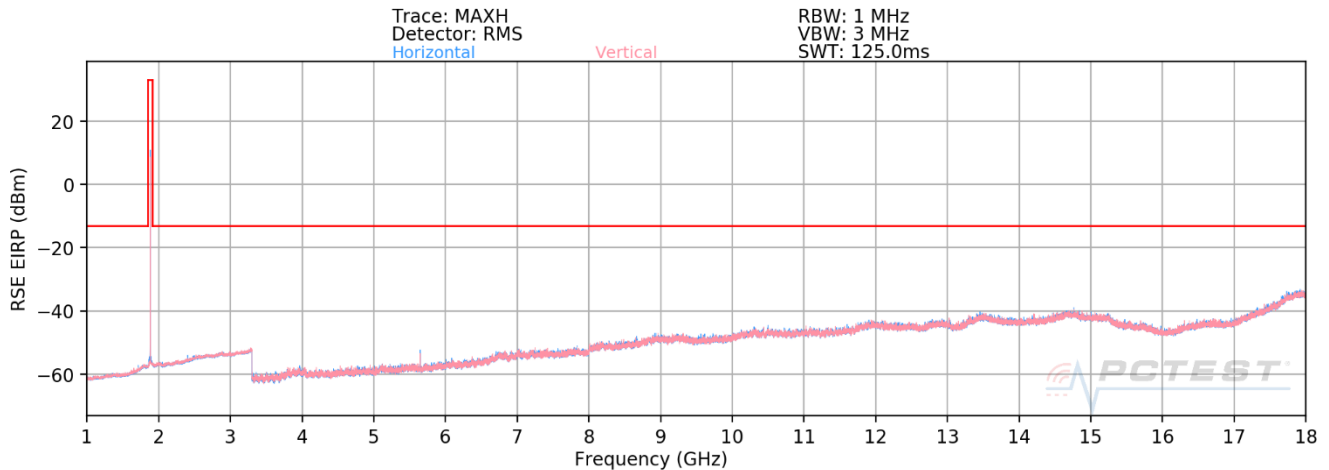


**Plot 7-279. Radiated Spurious Plot Below 1GHz (NR Band n25/2) – CLOSE**

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 53
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]
935.38	V	-	-	-79.21	25.27	53.06	-42.20	-13.00	-29.20

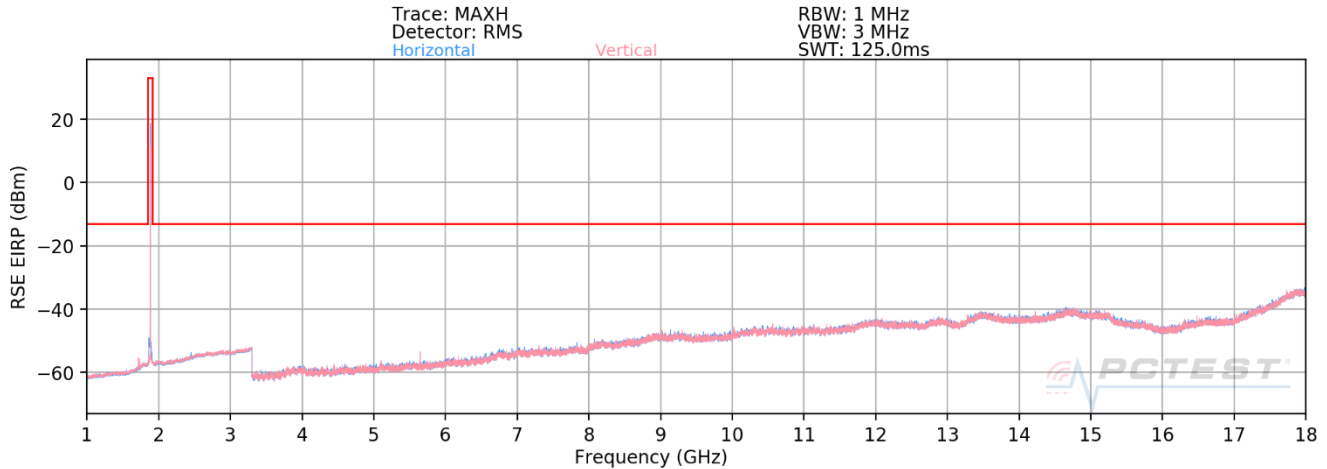
**Table 7-19. Radiated Spurious Data (NR Band n25/2) – CLOSE**



**Plot 7-280. Radiated Spurious Plot Above 1GHz (NR Band n25/2) – CLOSE**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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**Plot 7-281. Radiated Spurious Plot Above 1GHz (NR Band n25/2) – OPEN**

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 53
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]
3720.00	V	160	316	-74.45	0.73	33.28	-61.98	-13.00	-48.98
5580.00	V	151	325	-76.99	3.73	33.74	-61.52	-13.00	-48.52
7440.00	V	165	344	-78.79	9.18	37.39	-57.87	-13.00	-44.87
9300.00	V	-	-	-82.24	12.39	37.15	-58.10	-13.00	-45.10
11160.00	V	-	-	-82.34	14.58	39.24	-56.01	-13.00	-43.01
13020.00	V	-	-	-82.41	16.83	41.42	-53.83	-13.00	-40.83

**Table 7-20. Radiated Spurious Data (NR Band n25/2 – Low Channel) – CLOSE**

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 53
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]
3765.00	V	117	324	-75.41	0.74	32.33	-62.93	-13.00	-49.93
5647.50	V	140	353	-77.68	3.62	32.94	-62.31	-13.00	-49.31
7530.00	V	165	351	-79.56	9.00	36.44	-58.82	-13.00	-45.82
9412.50	V	-	-	-81.45	12.16	37.71	-57.55	-13.00	-44.55
11295.00	V	-	-	-82.37	14.15	38.78	-56.48	-13.00	-43.48
13177.50	V	-	-	-82.83	16.85	41.02	-54.24	-13.00	-41.24

**Table 7-21. Radiated Spurious Data (NR Band n25/2 – Mid Channel) – CLOSE**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
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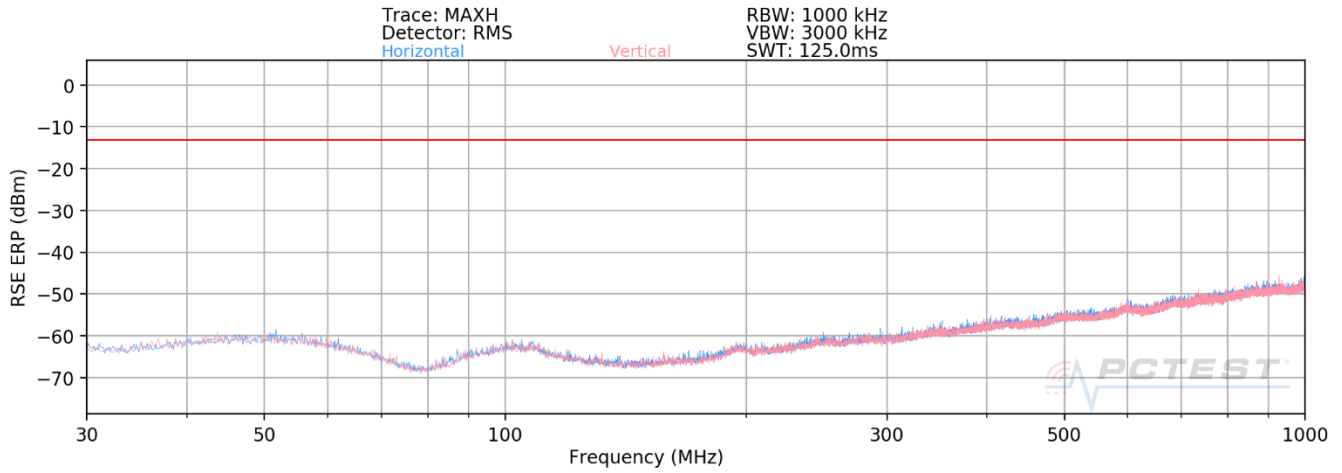
<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1905
<b>RB / Offset:</b>	1 / 53
<b>Mode:</b>	Stand Alone

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]
3810.00	V	200	323	-73.95	1.19	34.24	-61.02	-13.00	-48.02
5715.00	V	170	324	-77.19	3.98	33.79	-61.47	-13.00	-48.47
7620.00	V	183	346	-78.61	9.03	37.42	-57.84	-13.00	-44.84
9525.00	V	-	-	-81.31	12.19	37.88	-57.38	-13.00	-44.38
11430.00	V	-	-	-82.86	14.93	39.07	-56.19	-13.00	-43.19
13335.00	V	-	-	-83.45	17.58	41.13	-54.13	-13.00	-41.13

**Table 7-22. Radiated Spurious Data (NR Band n25/2 – High Channel) – CLOSE**

<b>FCC ID:</b> A3LSMF721U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204080051-03.A3L	<b>Test Dates:</b> 04/01 - 06/02/2022	<b>EUT Type:</b> Portable Handset	Page 176 of 201

**NR Band n25/2 – Ant I**

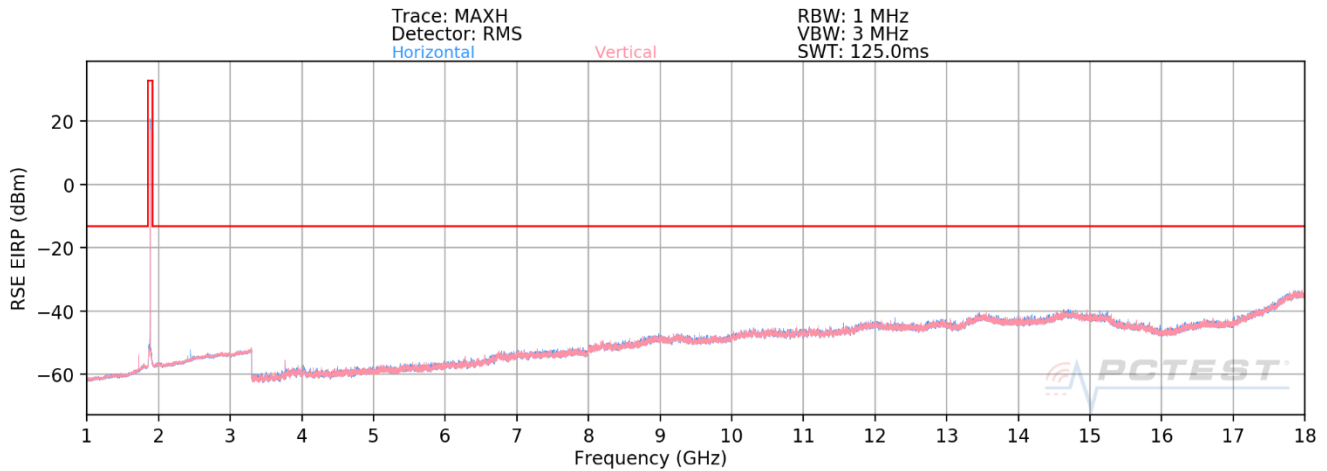


**Plot 7-282. Radiated Spurious Plot Below 1GHz (NR Band n25/2) – OPEN**

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 1
Mode:	Stand Alone

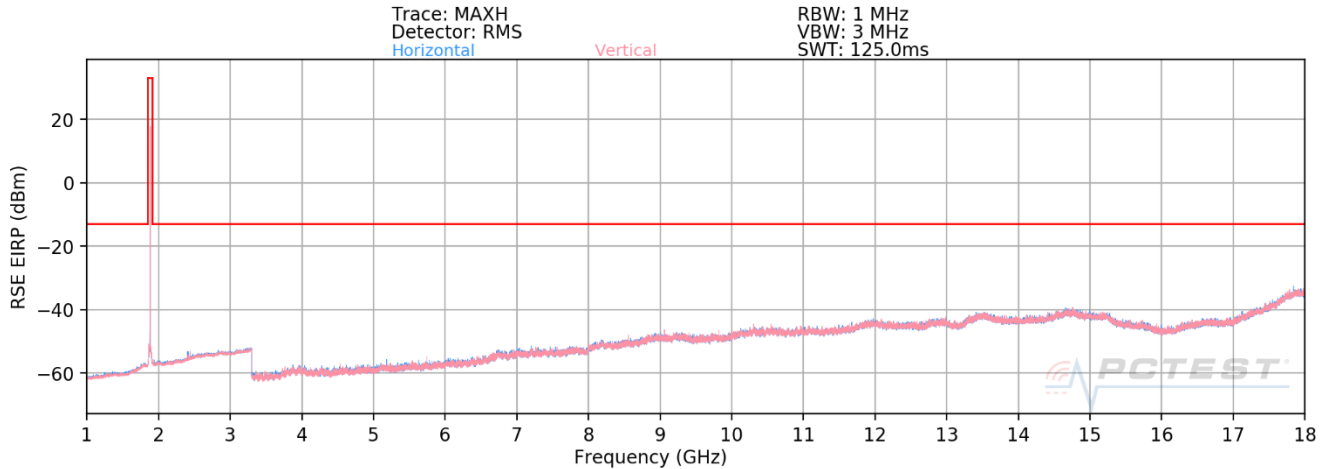
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
938.89	H	-	-	-79.17	25.27	53.10	-42.16	-13.00	-29.16

**Table 7-23. Radiated Spurious Data (NR Band n25/2) – OPEN**



**Plot 7-283. Radiated Spurious Plot Above 1GHz (NR Band n25/2) – OPEN**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-03.A3L	Test Dates: 04/01 - 06/02/2022	EUT Type: Portable Handset	Page 177 of 201



**Plot 7-284. Radiated Spurious Plot Above 1GHz (NR Band n25/2) – CLOSE**

Bandwidth (MHz):	20
Frequency (MHz):	1860
RB / Offset:	1 / 1
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]
3720.00	V	212	23	-67.74	0.73	39.99	-55.27	-13.00	-42.27
5580.00	V	-	-	-78.69	3.73	32.04	-63.22	-13.00	-50.22
7440.00	V	194	44	-79.80	9.18	36.38	-58.88	-13.00	-45.88
9300.00	V	-	-	-82.06	12.39	37.33	-57.92	-13.00	-44.92
11160.00	V	-	-	-82.24	14.58	39.34	-55.91	-13.00	-42.91
13020.00	V	-	-	-82.53	16.83	41.30	-53.95	-13.00	-40.95

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

Bandwidth (MHz):	20
Frequency (MHz):	1882.5
RB / Offset:	1 / 1
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]
3765.00	V	195	27	-68.61	0.74	39.13	-56.13	-13.00	-43.13
5647.50	V	169	31	-71.57	3.62	39.05	-56.20	-13.00	-43.20
7530.00	V	138	11	-77.57	9.00	38.43	-56.83	-13.00	-43.83
9412.50	V	-	-	-81.61	12.16	37.55	-57.71	-13.00	-44.71
11295.00	V	-	-	-82.56	14.15	38.59	-56.67	-13.00	-43.67
13177.50	V	-	-	-83.05	16.85	40.80	-54.46	-13.00	-41.46

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

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-03.A3L	Test Dates: 04/01 - 06/02/2022	EUT Type: Portable Handset	Page 178 of 201

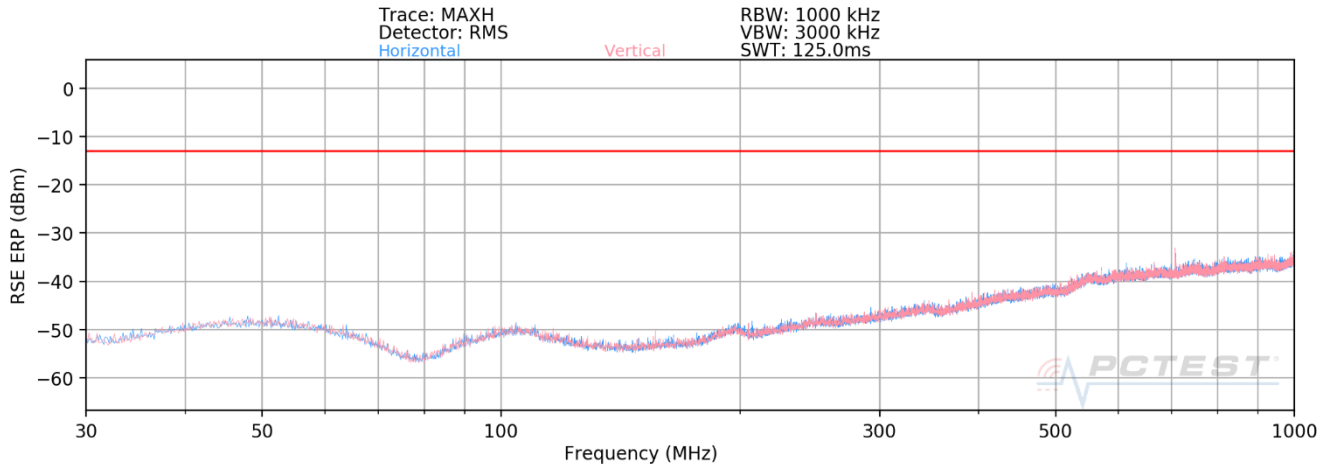
<b>Bandwidth (MHz):</b>	20
<b>Frequency (MHz):</b>	1905
<b>RB / Offset:</b>	1 / 1
<b>Mode:</b>	Stand Alone

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]
3810.00	V	205	25	-66.90	1.19	41.29	-53.97	-13.00	-40.97
5715.00	V	-	-	-78.85	3.98	32.13	-63.13	-13.00	-50.13
7620.00	V	223	357	-79.04	9.03	36.99	-58.27	-13.00	-45.27
9525.00	V	-	-	-81.17	12.19	38.02	-57.24	-13.00	-44.24
11430.00	V	-	-	-82.96	14.93	38.97	-56.29	-13.00	-43.29
13335.00	V	-	-	-83.51	17.58	41.07	-54.19	-13.00	-41.19

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

<b>FCC ID:</b> A3LSMF721U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204080051-03.A3L	<b>Test Dates:</b> 04/01 - 06/02/2022	<b>EUT Type:</b> Portable Handset	Page 179 of 201

# NR Band n25/2 – B12

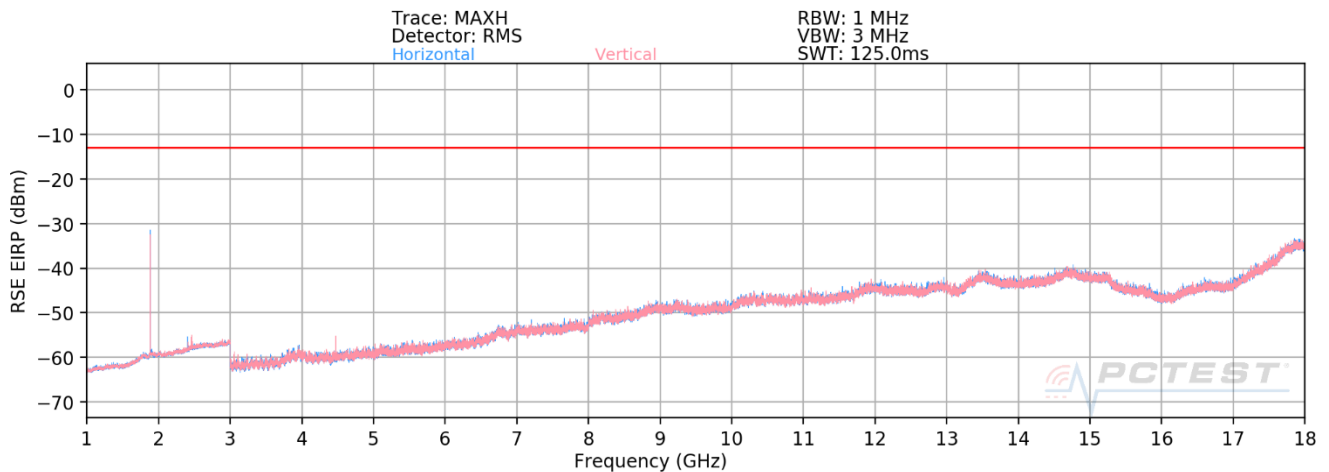


**Plot 7-285. Radiated Spurious Plot Below 1GHz (NR Band n25/2 – B12) – CLOSE**

Bandwidth (MHz):	20 / 10
Frequency (MHz):	1882.5 / 707.5
RB / Offset:	1/53 / 1/25
Mode:	EN-DC
Anchor Band:	LTE Band 12

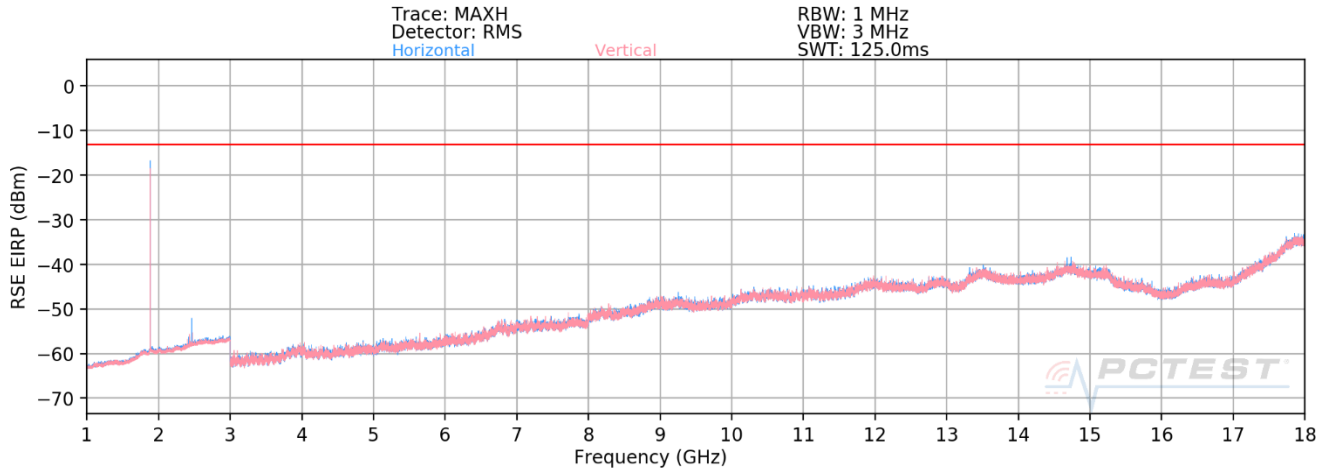
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
467.50	V	-	-	-80.02	18.20	45.18	-50.08	-13.00	-37.08

**Table 7-27. Radiated Spurious Data (NR Band n25/2 – B12) – CLOSE**



**Plot 7-286. Radiated Spurious Plot Above 1GHz (NR Band n25/2 – B12) – CLOSE**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-03.A3L	Test Dates: 04/01 - 06/02/2022	EUT Type: Portable Handset	Page 180 of 201



**Plot 7-287. Radiated Spurious Plot Above 1GHz (NR Band n25/2 – B12) – HALF OPEN**

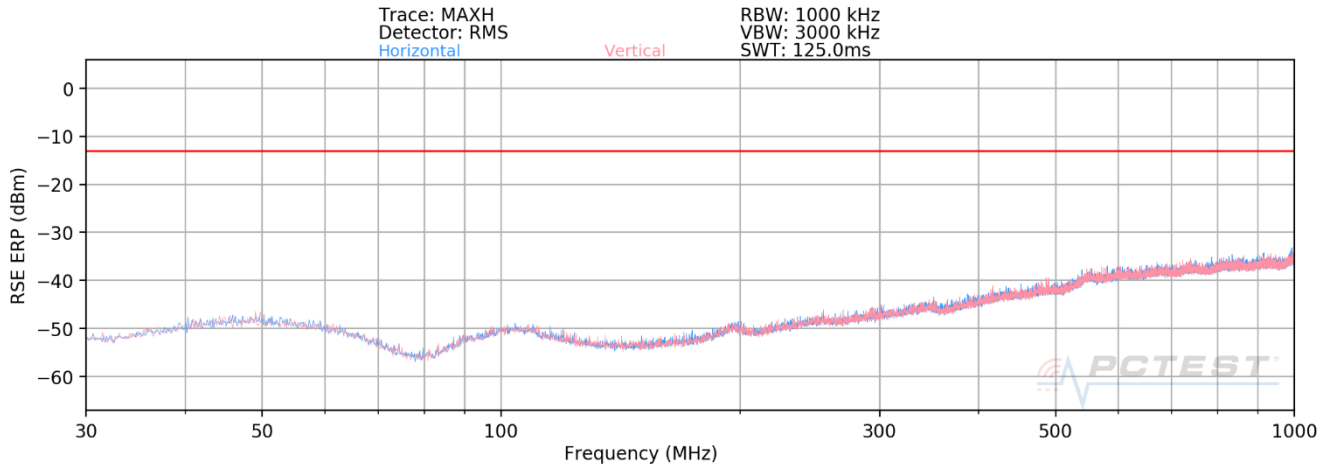
<b>Bandwidth (MHz):</b>	20 / 10
<b>Frequency (MHz):</b>	1882.5 / 707.5
<b>RB / Offset:</b>	1/53 / 1/25
<b>Mode:</b>	EN-DC
<b>Anchor Band:</b>	LTE Band 12

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]
1402.50	V	-	-	-75.25	0.27	32.02	-63.24	-13.00	-50.24
2817.50	V	-	-	-76.54	5.92	36.38	-58.88	-13.00	-45.88
4472.50	V	100	186	-70.31	1.47	38.16	-57.10	-13.00	-44.10
4712.50	V	-	-	-77.94	1.11	30.17	-65.09	-13.00	-52.09

**Table 7-28. Radiated Spurious Data (NR Band n25/2 – B12) – CLOSE**

<b>FCC ID:</b> A3LSMF721U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204080051-03.A3L	<b>Test Dates:</b> 04/01 - 06/02/2022	<b>EUT Type:</b> Portable Handset	Page 181 of 201

### NR Band n25/2 – B66

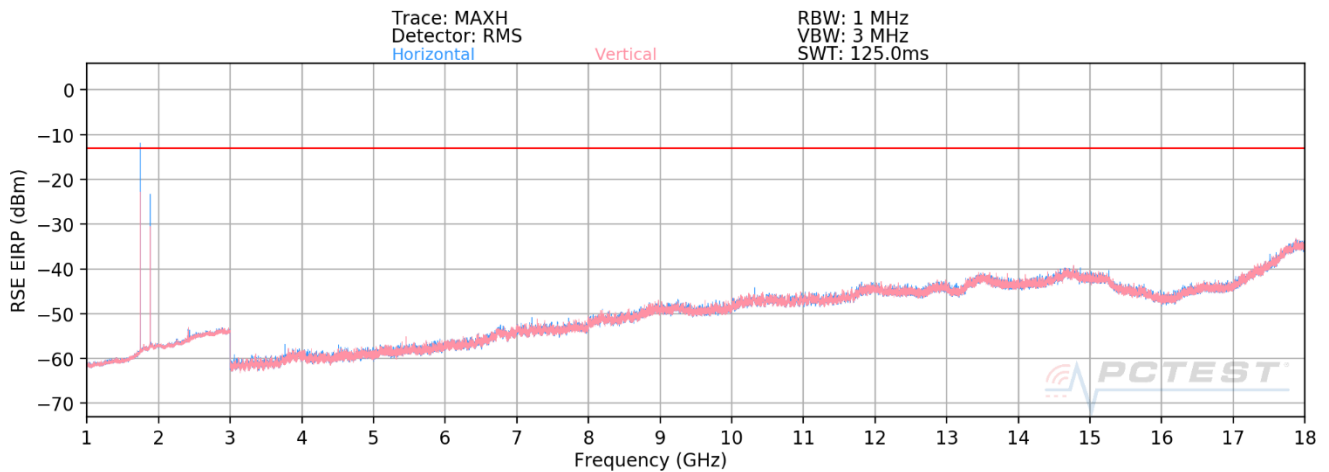


**Plot 7-288. Radiated Spurious Plot Below 1GHz (NR Band n25/2 – B66) – OPEN**

Bandwidth (MHz):	20 / 20
Frequency (MHz):	1882.5 / 1745
RB / Offset:	1/53 / 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]
137.50	H	-	-	-82.99	9.15	33.16	-62.10	-13.00	-49.10

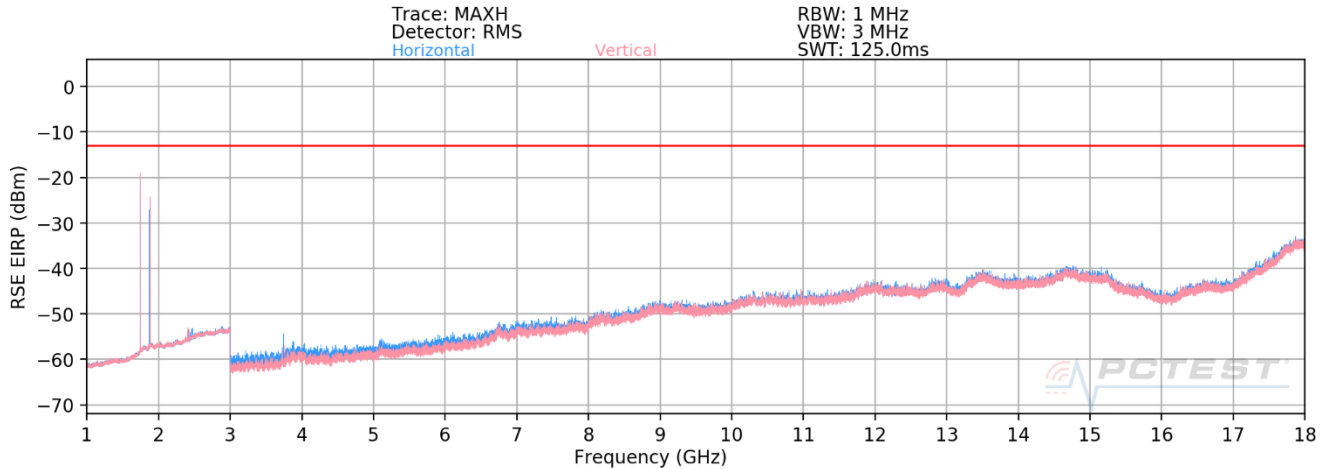
**Table 7-29. Radiated Spurious Data (NR Band n25/2 – B66) – OPEN**



**Plot 7-289. Radiated Spurious Plot Above 1GHz (NR Band n25/2 – B66) – OPEN**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-03.A3L	Test Dates: 04/01 - 06/02/2022	EUT Type: Portable Handset	Page 182 of 201





**Plot 7-290. Radiated Spurious Plot Above 1GHz (NR Band n25/2 – B66) – HALF OPEN**

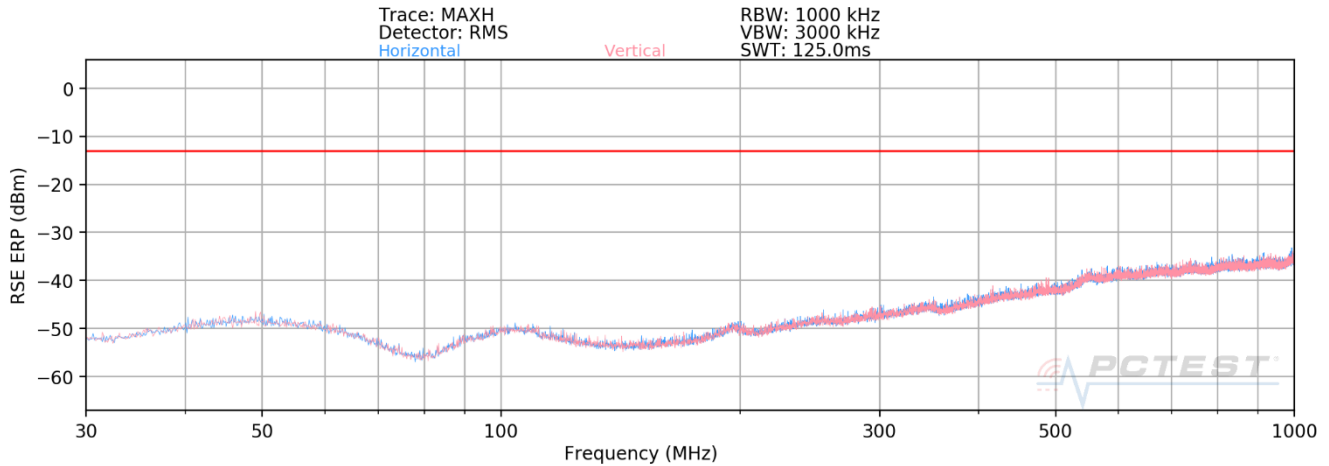
<b>Bandwidth (MHz):</b>	20 / 20
<b>Frequency (MHz):</b>	1882.5 / 1745
<b>RB / Offset:</b>	1/53 / 1/50
<b>Mode:</b>	EN-DC
<b>Anchor Band:</b>	LTE Band 66

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]
1470.00	H	-	-	-75.79	0.83	32.04	-63.21	-13.00	-50.21
1607.50	H	-	-	-75.58	2.16	33.58	-61.68	-13.00	-48.68
2295.00	H	-	-	-76.98	4.89	34.91	-60.35	-13.00	-47.35
5372.50	H	-	-	-79.20	3.78	31.58	-63.68	-13.00	-50.68
5510.00	H	-	-	-79.37	4.21	31.84	-63.42	-13.00	-50.42
5785.00	H	-	-	-79.33	4.34	32.01	-63.24	-13.00	-50.24

**Table 7-30. Radiated Spurious Data (NR Band n25/2 – B66) – OPEN**

<b>FCC ID:</b> A3LSMF721U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204080051-03.A3L	<b>Test Dates:</b> 04/01 - 06/02/2022	<b>EUT Type:</b> Portable Handset	Page 183 of 201

### NR Band n25/2 – B48

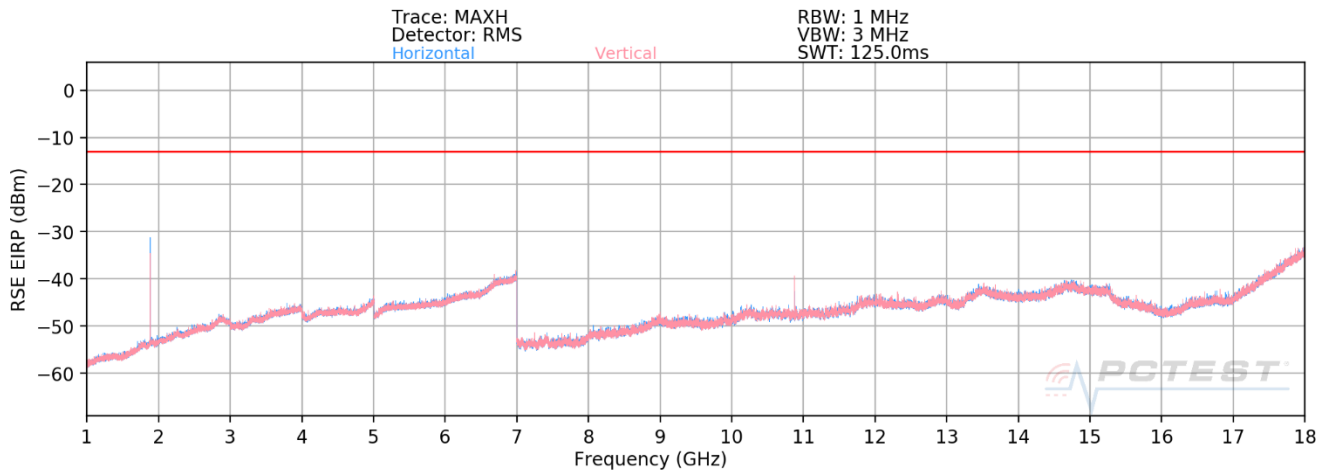


**Plot 7-291. Radiated Spurious Plot Below 1GHz (NR Band n25/2 – B48) – OPEN**

Bandwidth (MHz):	20 / 20
Frequency (MHz):	1882.5 / 3625
RB Config (Size / Offset):	1/53 / 1/50
Mode:	EN-DC
Anchor Band:	LTE Band 48

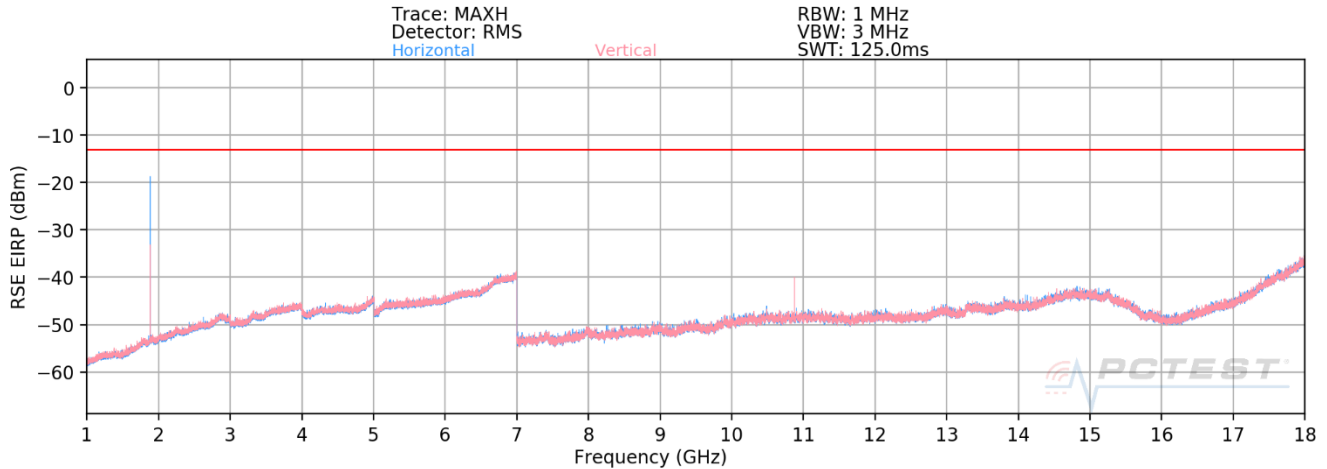
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
140.00	V	-	-	-72.59	9.06	43.47	-51.79	-13.00	-38.79

**Table 7-31. Radiated Spurious Data (NR Band n25/2 – B48) – OPEN**



**Plot 7-292. Radiated Spurious Plot Above 1GHz (NR Band n25/2 – B48) – OPEN**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-03.A3L	Test Dates: 04/01 - 06/02/2022	EUT Type: Portable Handset	Page 184 of 201



**Plot 7-293. Radiated Spurious Plot Above 1GHz (NR Band n25/2 – B48) – CLOSE**

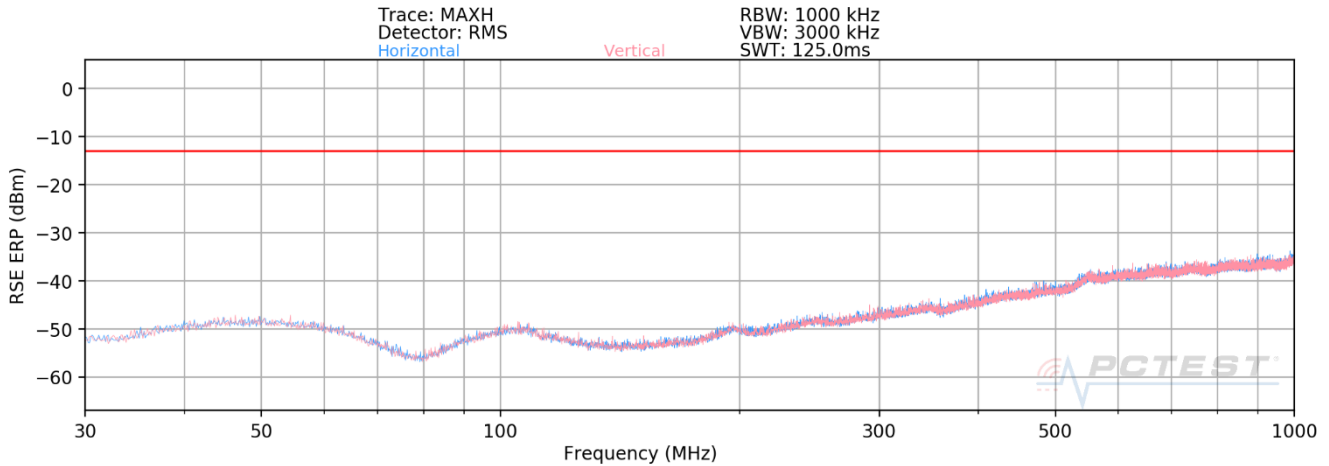
Bandwidth (MHz):	20 / 20
Frequency (MHz):	1882.5 / 3625
RB Config (Size / Offset):	1/53 / 1/50
Mode:	EN-DC
Anchor Band:	LTE Band 48

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]
1602.50	V	-	-	-64.04	2.45	45.41	-49.85	-13.00	-36.85
2162.50	V	-	-	-65.57	5.57	47.00	-48.26	-13.00	-35.26
3345.00	V	-	-	-67.44	11.37	50.93	-44.33	-13.00	-31.33
5367.50	V	-	-	-67.36	13.46	53.10	-51.70	-13.00	-38.70
7390.00	V	-	-	-68.09	10.13	49.04	-55.76	-13.00	-42.76
9132.50	V	-	-	-71.13	11.65	47.52	-57.28	-13.00	-44.28

**Table 7-32. Radiated Spurious Data (NR Band n25/2 – B48) – OPEN**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-03.A3L	Test Dates: 04/01 - 06/02/2022	EUT Type: Portable Handset	Page 185 of 201

## NR Band n2 – B5

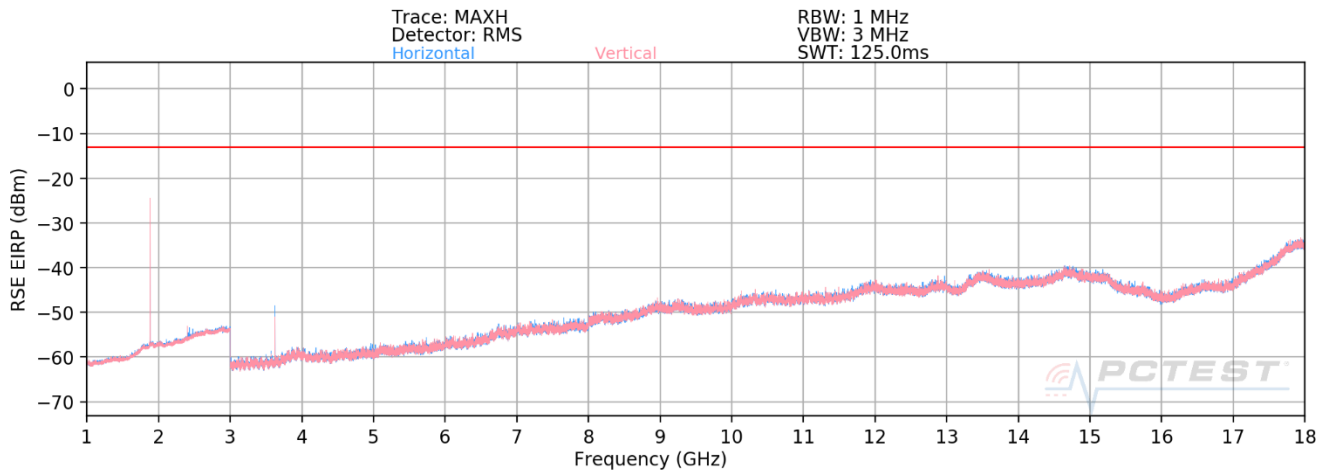


**Plot 7-294. Radiated Spurious Plot Below 1GHz (NR Band n2 – B5) – OPEN**

<b>Bandwidth (MHz):</b>	10 / 20
<b>Frequency (MHz):</b>	836.5 / 1880
<b>RB / Offset:</b>	1/25 / 1/53
<b>Mode:</b>	EN-DC
<b>Anchor Band:</b>	LTE Band 5

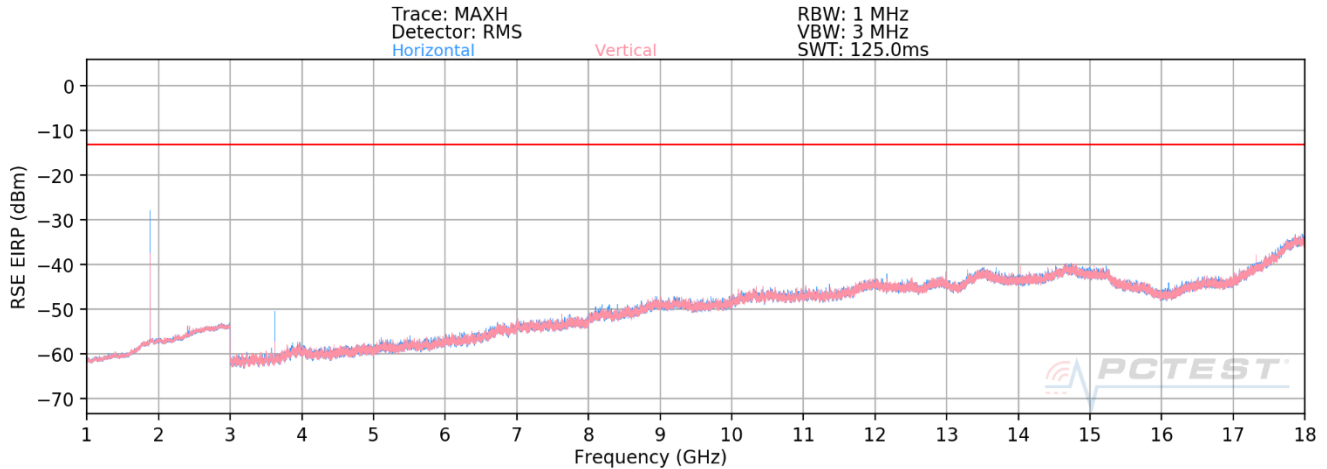
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
207.00	H	-	-	-81.95	11.97	37.02	-58.24	-13.00	-45.24

**Table 7-33. Radiated Spurious Data (NR Band n2 – B5) – OPEN**



**Plot 7-295. Radiated Spurious Plot Above 1GHz (NR Band n2 – B5) – OPEN**

<b>FCC ID:</b> A3LSMF721U	<b>PART 24 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2204080051-03.A3L	<b>Test Dates:</b> 04/01 - 06/02/2022	<b>EUT Type:</b> Portable Handset	Page 186 of 201



**Plot 7-296. Radiated Spurious Plot Above 1GHz (NR Band n2 – B5) – CLOSE**

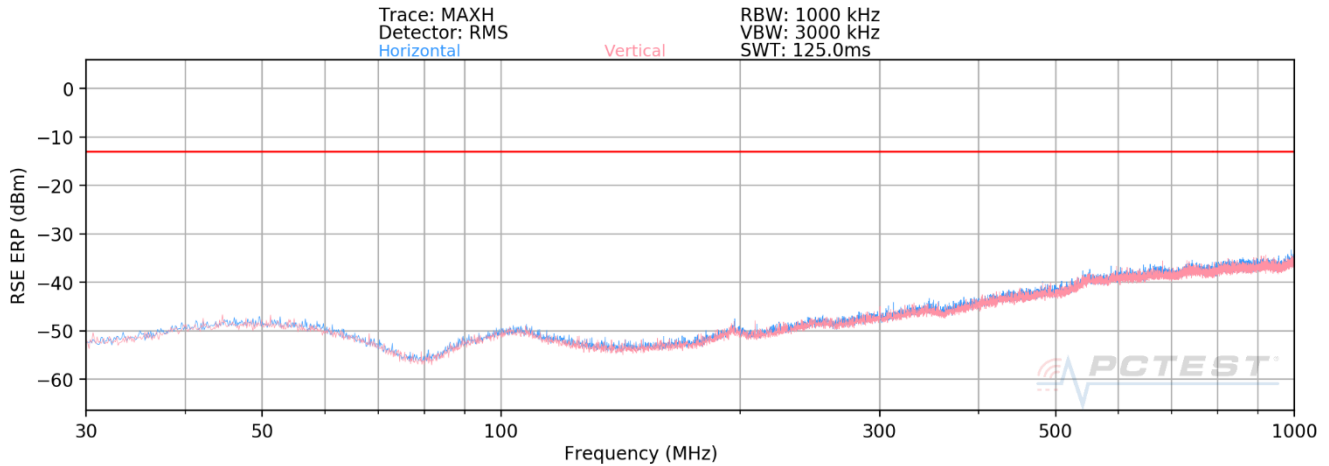
Bandwidth (MHz):	10 / 20
Frequency (MHz):	836.5 / 1880
RB / Offset:	1/25 / 1/53
Mode:	EN-DC
Anchor Band:	LTE Band 5

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]
1250.50	H	-	-	-81.95	1.53	26.58	-68.68	-13.00	-55.68
1466.00	H	-	-	-82.04	1.38	26.34	-68.91	-13.00	-55.91
2294.00	H	-	-	-80.92	5.06	31.14	-64.11	-13.00	-51.11
2923.50	H	-	-	-79.93	6.84	33.91	-61.35	-13.00	-48.35
3553.00	H	116	7	-64.64	0.30	42.66	-52.60	-13.00	-39.60
4596.50	H	-	-	-77.23	1.71	31.48	-63.78	-13.00	-50.78

**Table 7-34. Radiated Spurious Data (NR Band n2 – B5) – OPEN**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-03.A3L	Test Dates: 04/01 - 06/02/2022	EUT Type: Portable Handset	Page 187 of 201

## NR Band n2 – B30

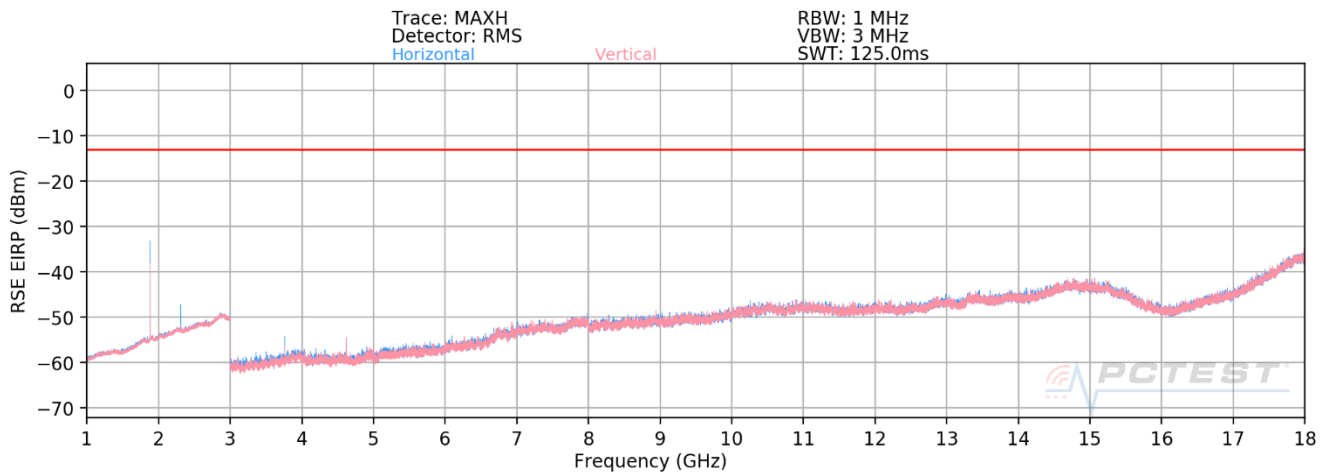


**Plot 7-297. Radiated Spurious Plot Below 1GHz (NR Band n2 – B30) – OPEN**

Bandwidth (MHz):	10 / 20
Frequency (MHz):	2310 / 1880
RB / Offset:	1/25 / 1/53
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]
430.00	H	-	-	-80.66	17.89	44.23	-51.03	-13.00	-38.03

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



**Plot 7-298. Radiated Spurious Plot Above 1GHz (NR Band n2 – B30) – OPEN**

FCC ID: A3LSMF721U	PART 24 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-03.A3L	Test Dates: 04/01 - 06/02/2022	EUT Type: Portable Handset	Page 188 of 201