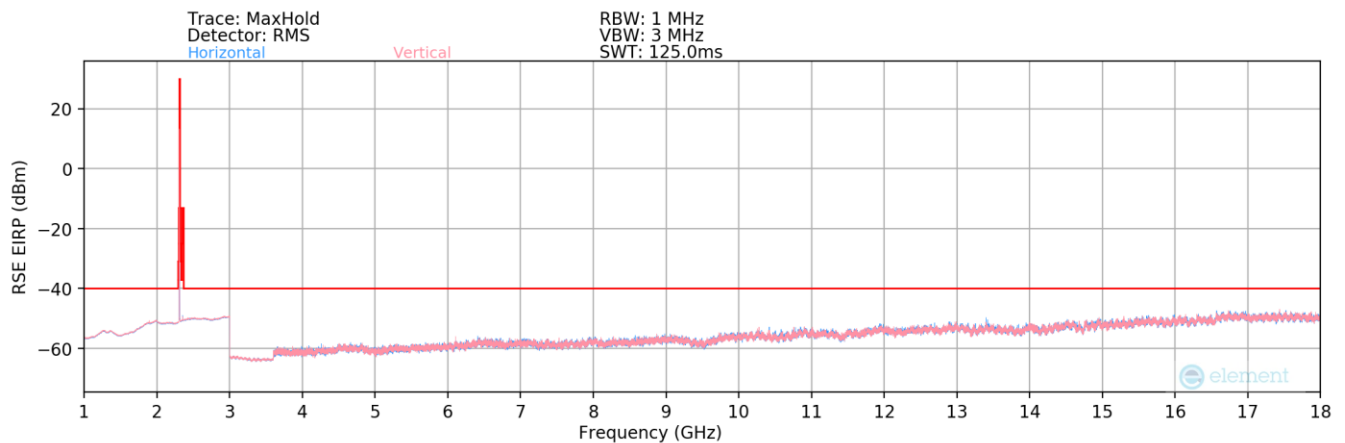
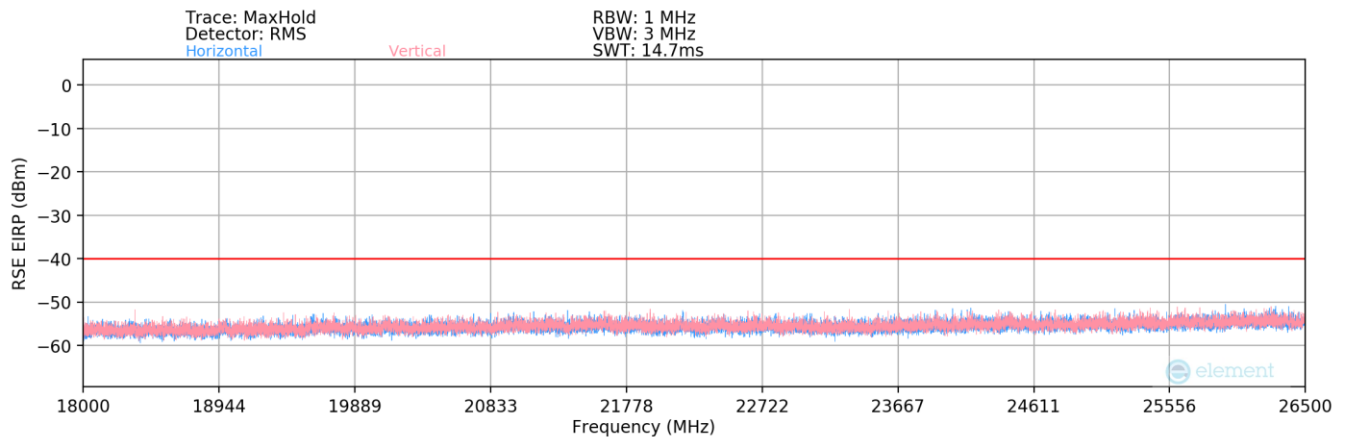


Plot 7-317. Radiated Spurious Plot (NR Band n30) – Open



Plot 7-318. Radiated Spurious Plot (NR Band n30) – Closed



Plot 7-319. Radiated Spurious Plot (NR Band n30) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 197 of 238

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	141	74	-78.02	4.36	33.34	-61.92	-40.00	-21.92
6930.0	V	245	57	-77.65	7.75	37.10	-58.16	-40.00	-18.16
9240.0	V	-	-	-80.09	8.79	35.70	-59.56	-40.00	-19.56
11550.0	V	-	-	-81.59	12.95	38.36	-56.89	-40.00	-16.89
13860.0	V	-	-	-82.07	14.71	39.64	-55.61	-40.00	-15.61

Table 7-26. Radiated Spurious Data (NR Band n30 – Mid Channel)

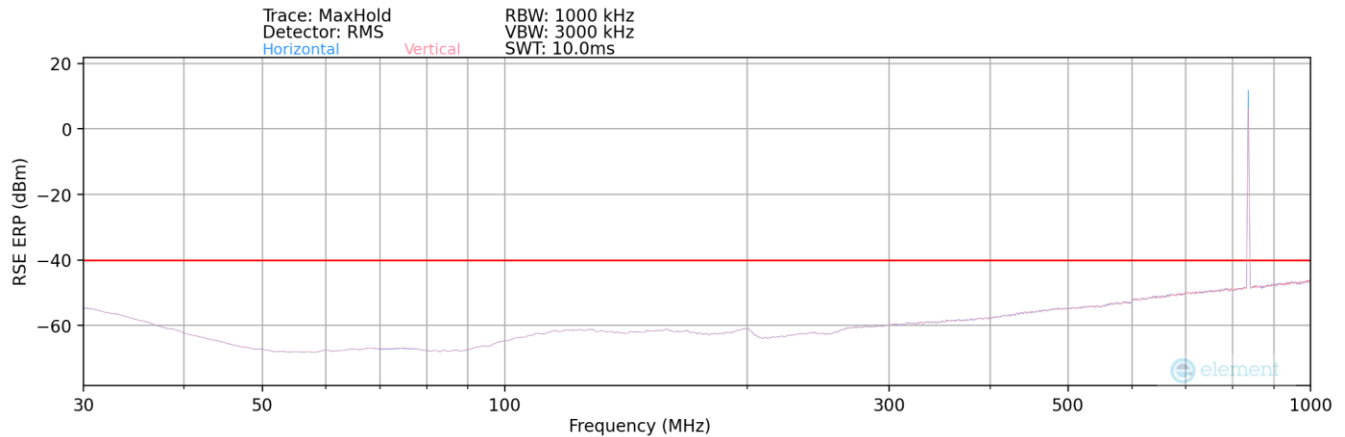
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.0	V	312	330	-78.54	4.36	32.82	-62.44	-40.00	-22.44
6930.0	V	-	-	-79.87	7.75	34.88	-60.38	-40.00	-20.38
9240.0	V	-	-	-80.12	8.79	35.67	-59.59	-40.00	-19.59
11550.0	V	-	-	-81.79	12.95	38.16	-57.09	-40.00	-17.09

Table 7-27. Radiated Spurious Data with WCP (NR Band n30) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 198 of 238

EN-DC n30 (ANT B) – B5



Plot 7-320. Radiated Spurious Plot 30MHz – 1GHz (EN-DC n30 (ANT B)-B5) – Open

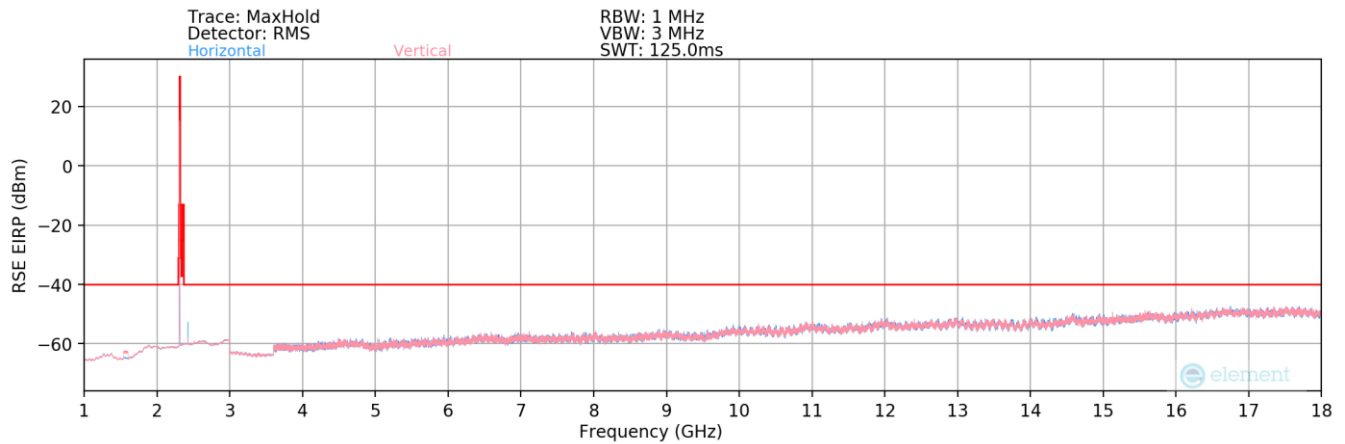
Bandwidth (MHz):	10 & 10
Frequency (MHz):	2310 & 836.5
RB / Offset:	1 / 26 & 1 / 25
Mode:	EN-DC
Anchor Band:	B5

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
637.0	H	-	-	-90.34	27.93	44.59	-52.81	-40.00	-12.81

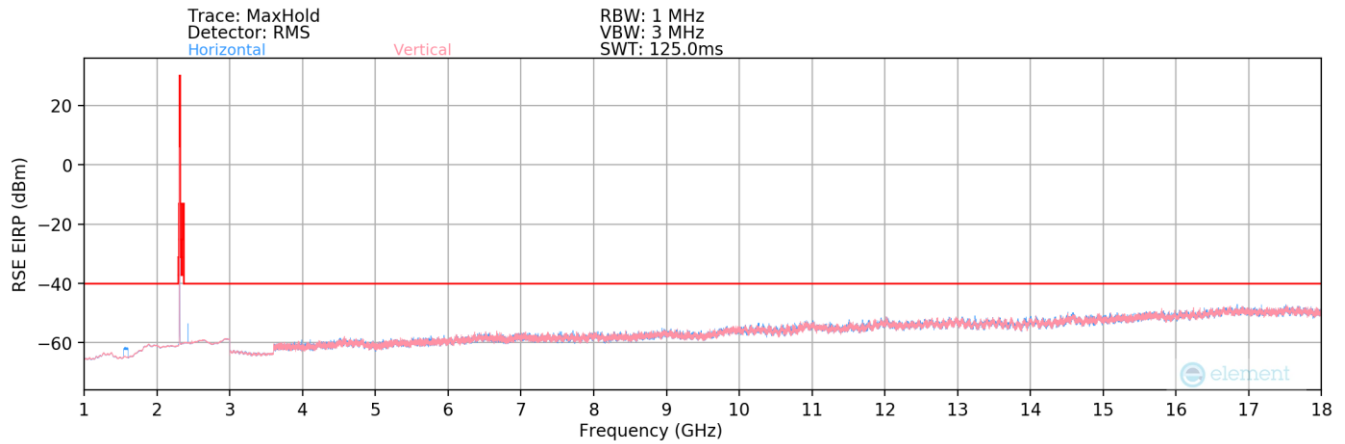
Table 7-28. Radiated Spurious Data 30MHz – 1GHz (EN-DC n30 (ANT B)-B5) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset		Page 199 of 238

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Plot 7-321. Radiated Spurious Plot (EN-DC n30 (ANT B)-B5) – Open



Plot 7-322. Radiated Spurious Plot (EN-DC n30 (ANT B)-B5) – Closed

Bandwidth (MHz):	10 & 10
Frequency (MHz):	2310 & 836.5
RB / Offset:	1 / 26 & 1 / 25
Mode:	EN-DC
Anchor Band:	B5

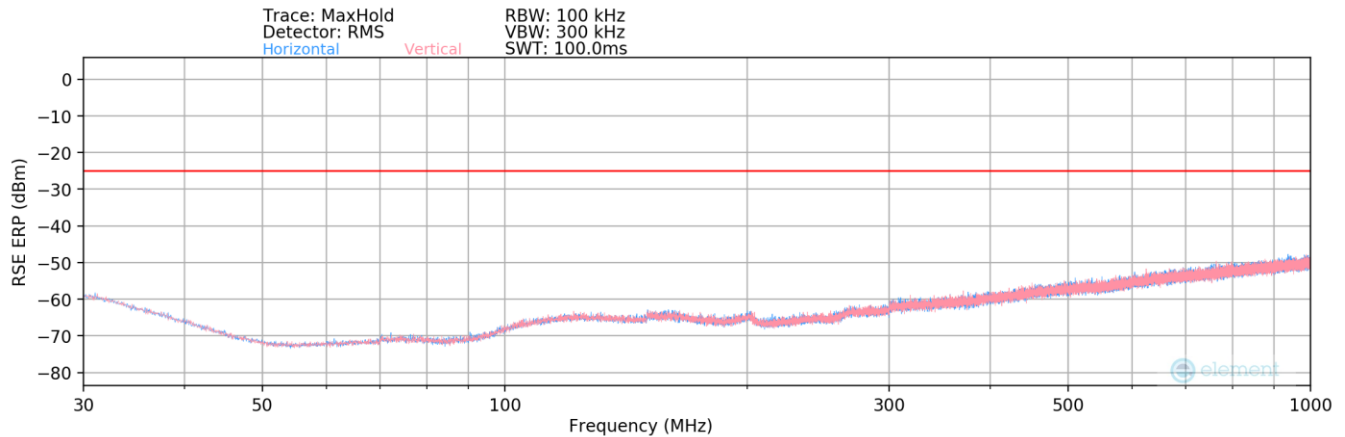
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1567.3	V	210	262	-70.35	-3.92	32.73	-62.52	-40.00	-22.52
2455.1	H	150	322	-70.42	0.52	37.10	-58.16	-40.00	-18.16
3584.0	H	-	-	-77.46	2.24	31.78	-63.48	-40.00	-23.48
3783.5	H	-	-	-78.50	3.05	31.55	-63.71	-40.00	-23.71

Table 7-29. Radiated Spurious Data 30MHz – 1GHz (EN-DC n30 (ANT B)-B5) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 200 of 238

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NR Band n7 ANT B



Plot 7-323. Radiated Spurious Plot (NR Band n7) – Half Open

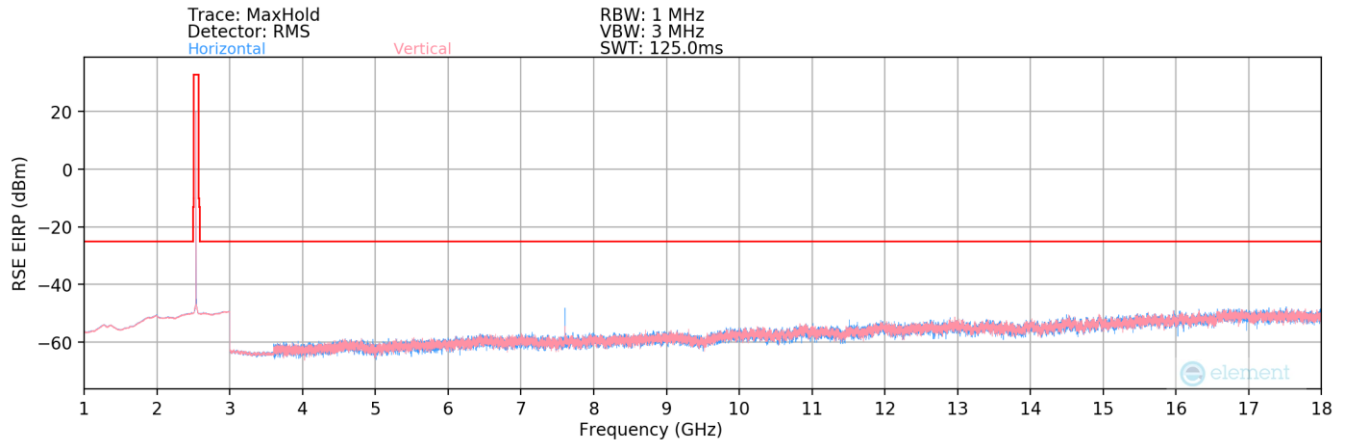
Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
510.0	H	-	-	-88.29	25.61	44.32	-53.09	-25.00	-28.09
637.5	H	-	-	-88.67	27.44	45.77	-51.64	-25.00	-26.64
850.0	H	-	-	-84.86	30.18	52.32	-45.09	-25.00	-20.09

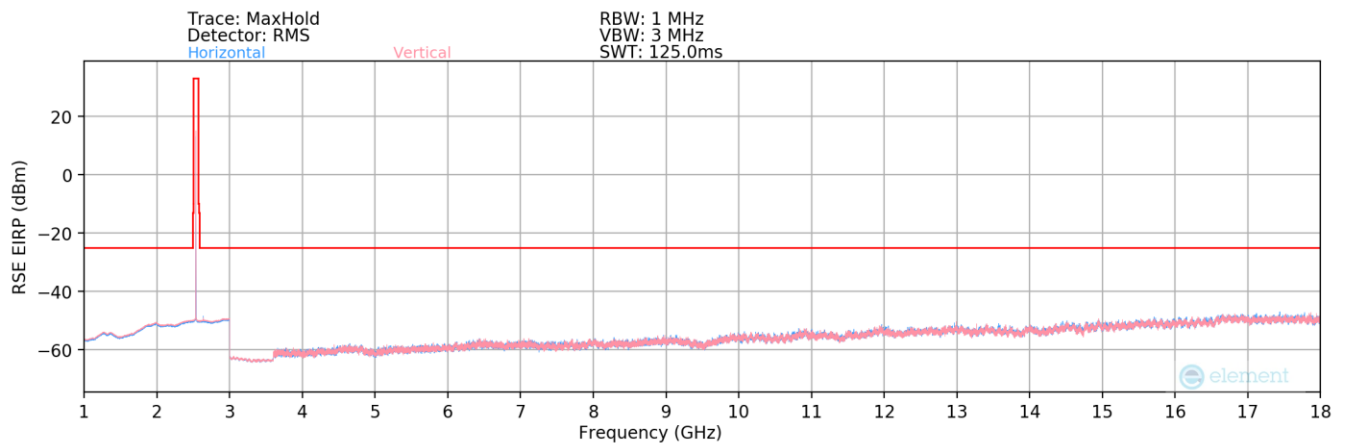
Table 7-30. Radiated Spurious Data (NR Band n7)

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 201 of 238

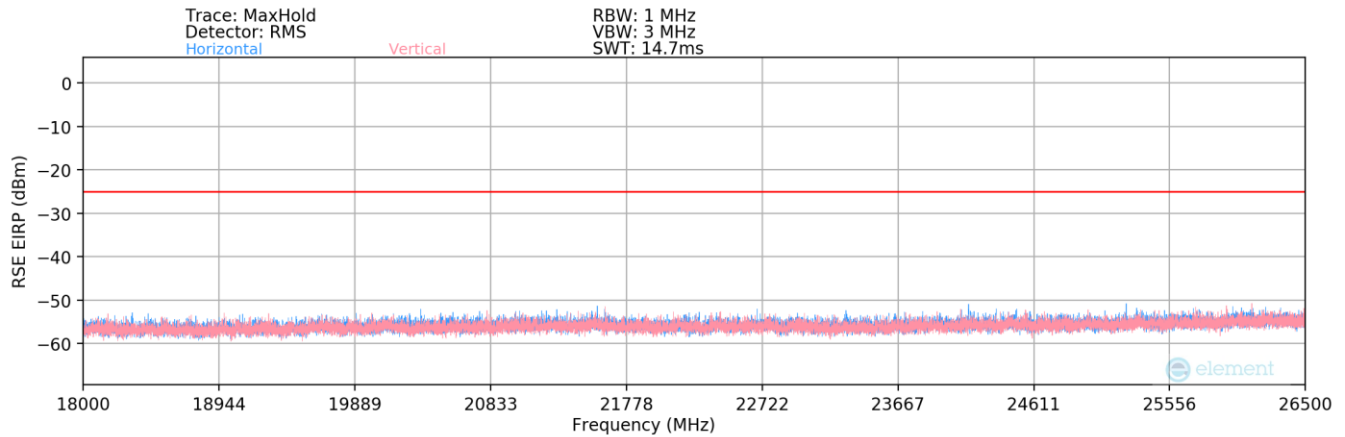
V3.0 1/6/2022



Plot 7-324. Radiated Spurious Plot (NR Band n7) – Half Open



Plot 7-325. Radiated Spurious Plot (NR Band n7) – Closed



Plot 7-326. Radiated Spurious Plot (NR Band n7) – Half Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 202 of 238

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108
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]
5040.0	H	137	26	-77.97	4.88	33.91	-61.34	-25.00	-36.34
7560.0	H	374	131	-79.62	8.00	35.38	-59.88	-25.00	-34.88
10080.0	H	-	-	-80.40	11.17	37.77	-57.49	-25.00	-32.49
12600.0	H	-	-	-81.64	14.22	39.58	-55.68	-25.00	-30.68
15120.0	H	-	-	-81.97	16.09	41.12	-54.14	-25.00	-29.14

Table 7-31. Radiated Spurious Data (NR Band n7 – Low Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108
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]
5070.0	H	354	338	-78.28	4.71	33.43	-61.83	-25.00	-36.83
7605.0	H	240	335	-76.89	8.19	38.30	-56.96	-25.00	-31.96
10140.0	H	-	-	-80.88	11.14	37.26	-57.99	-25.00	-32.99
12675.0	H	-	-	-81.31	13.95	39.64	-55.61	-25.00	-30.61
15210.0	H	-	-	-81.68	16.17	41.49	-53.77	-25.00	-28.77

Table 7-32. Radiated Spurious Data (NR Band n7 – Mid Channel)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108
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]
5100.0	H	312	33	-77.64	4.52	33.88	-61.37	-25.00	-36.37
7650.0	H	229	339	-75.90	7.82	38.92	-56.34	-25.00	-31.34
10200.0	H	-	-	-81.24	11.15	36.91	-58.35	-25.00	-33.35
12750.0	H	-	-	-81.55	14.46	39.91	-55.35	-25.00	-30.35
15300.0	H	-	-	-81.74	16.24	41.50	-53.76	-25.00	-28.76

Table 7-33. Radiated Spurious Data (NR Band n7 – High Channel)

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 203 of 238

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108
Mode:	Stand Alone

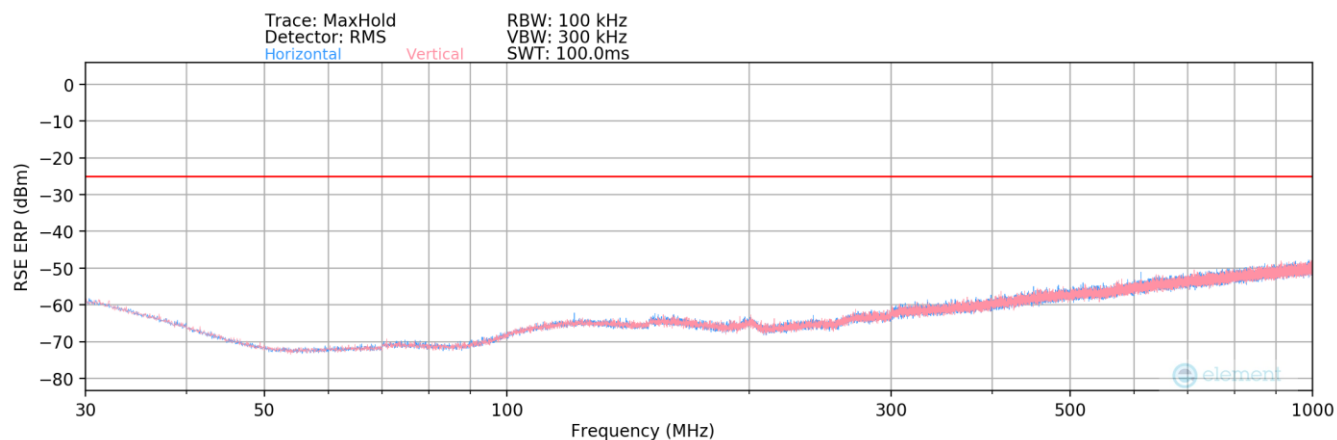
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.0	H	266	155	-78.02	4.52	33.50	-61.75	-25.00	-36.75
7650.0	H	-	-	-81.23	7.82	33.59	-61.67	-25.00	-36.67
10200.0	H	-	-	-81.50	11.15	36.65	-58.61	-25.00	-33.61
12750.0	H	-	-	-81.64	14.46	39.82	-55.44	-25.00	-30.44

Table 7-34. Radiated Spurious Data with WCP (NR Band n7)

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 204 of 238

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NR Band n41 ANT I



Plot 7-327. Radiated Spurious Plot 30MHz – 1GHz (NR Band n41) – Open

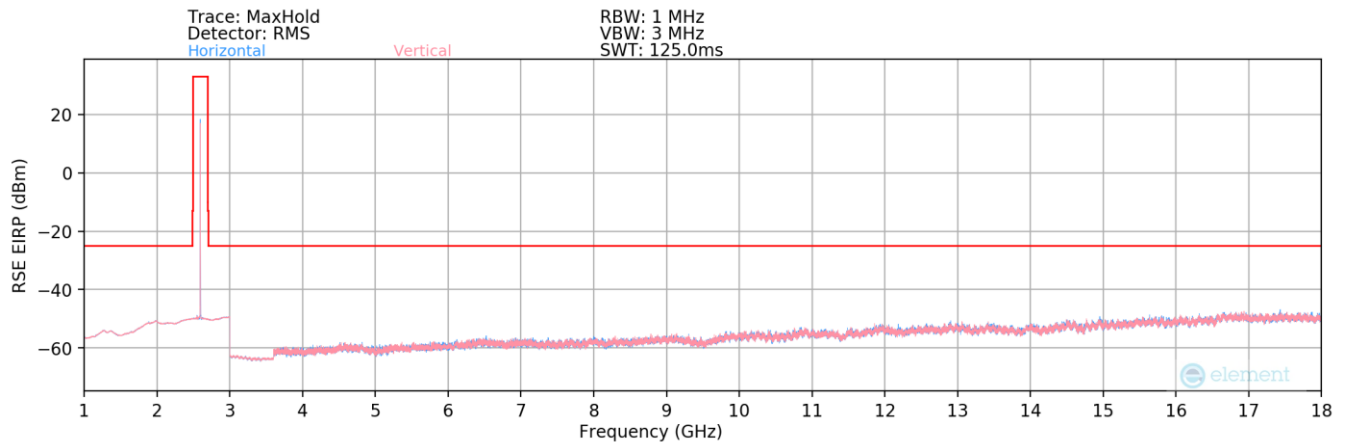
Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 137
Mode:	Stand Alone

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]
5092.0	H	360	34	-71.71	4.49	39.78	-55.48	-25.00	-30.48
7638.0	H	-	-	-77.17	7.96	37.79	-57.47	-25.00	-32.47
10184.0	H	-	-	-78.28	11.45	40.17	-55.09	-25.00	-30.09
12730.0	H	-	-	-79.06	14.30	42.24	-53.02	-25.00	-28.02

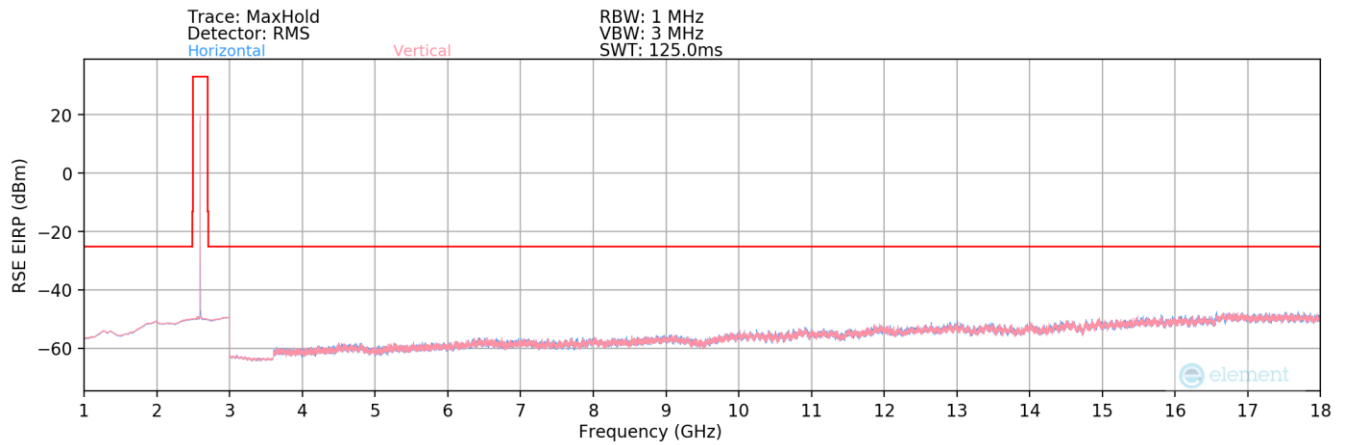
Table 7-35. Radiated Spurious Data 30MHz – 1GHz (NR Band n41) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 205 of 238

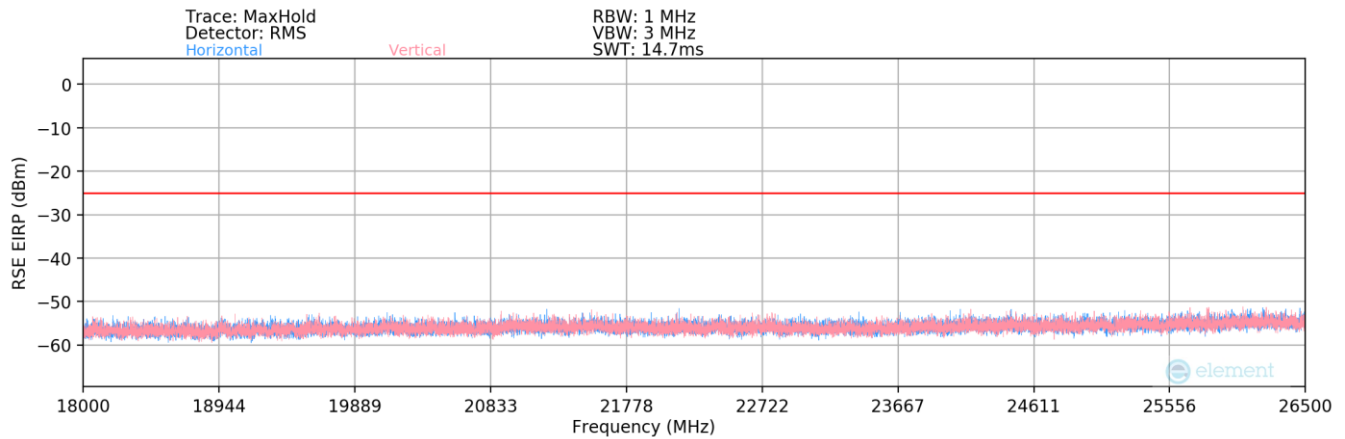
V3.0 1/6/2022



Plot 7-328. Radiated Spurious Plot (NR Band n41) – Open



Plot 7-329. Radiated Spurious Plot (NR Band n41) – Half Open



Plot 7-330. Radiated Spurious Plot (NR Band n41) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 206 of 238

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 137
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]
5092.0	H	243	349	-71.09	4.49	40.40	-54.86	-25.00	-29.86
7638.0	H	-	-	-77.35	7.96	37.61	-57.65	-25.00	-32.65
10184.0	H	-	-	-78.53	11.45	39.92	-55.34	-25.00	-30.34
12730.0	H	-	-	-79.05	14.30	42.25	-53.01	-25.00	-28.01

Table 7-36. Radiated Spurious Data (NR Band n41 – Low Channel) – Open

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 137
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]
5186.0	H	278	72	-72.14	5.18	40.04	-55.22	-25.00	-30.22
7779.0	H	-	-	-76.51	7.47	37.96	-57.30	-25.00	-32.30
10372.0	H	-	-	-78.77	11.18	39.41	-55.84	-25.00	-30.84
12965.0	H	-	-	-78.70	14.27	42.57	-52.68	-25.00	-27.68

Table 7-37. Radiated Spurious Data (NR Band n41 – Mid Channel) – Open

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 137
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]
5280.0	H	284	72	-74.46	5.00	37.54	-57.72	-25.00	-32.72
7920.0	H	-	-	-77.48	8.08	37.60	-57.65	-25.00	-32.65
10560.0	H	-	-	-78.62	11.84	40.22	-55.03	-25.00	-30.03
13200.0	H	-	-	-78.68	13.65	41.97	-53.28	-25.00	-28.28

Table 7-38. Radiated Spurious Data (NR Band n41 – High Channel) – Open

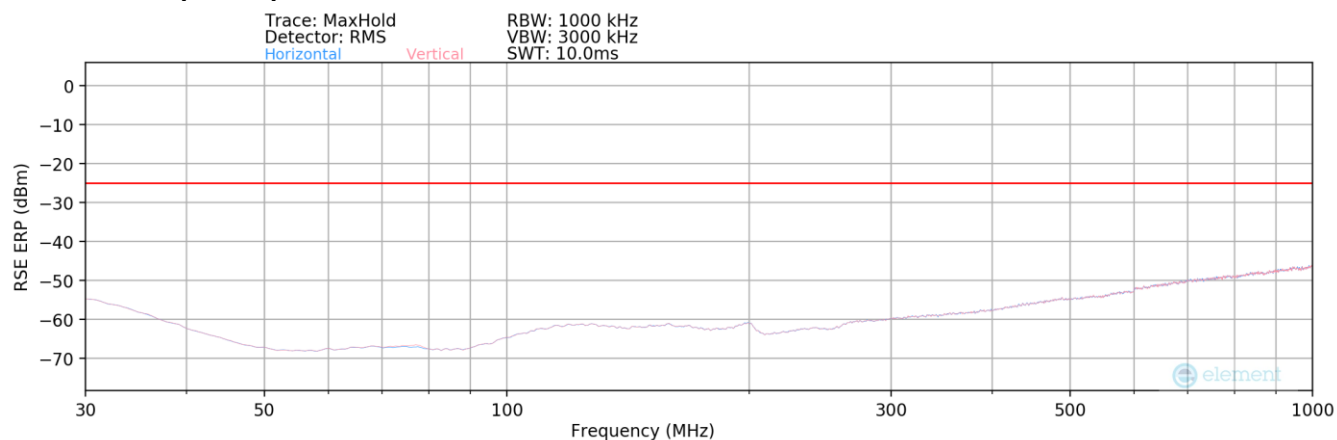
Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 137
Mode:	Stand Alone

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]
5092.0	H	360	34	-71.71	4.49	39.78	-55.48	-25.00	-30.48
7638.0	H	-	-	-77.17	7.96	37.79	-57.47	-25.00	-32.47
10184.0	H	-	-	-78.28	11.45	40.17	-55.09	-25.00	-30.09
12730.0	H	-	-	-79.06	14.30	42.24	-53.02	-25.00	-28.02

Table 7-39. Radiated Spurious Data with WCP (NR Band n41) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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EN-DC n41 (ANT I) – B66



Plot 7-331. Radiated Spurious Plot 30MHz – 1GHz (EN-DC n41 (ANT I)-B66) – Open

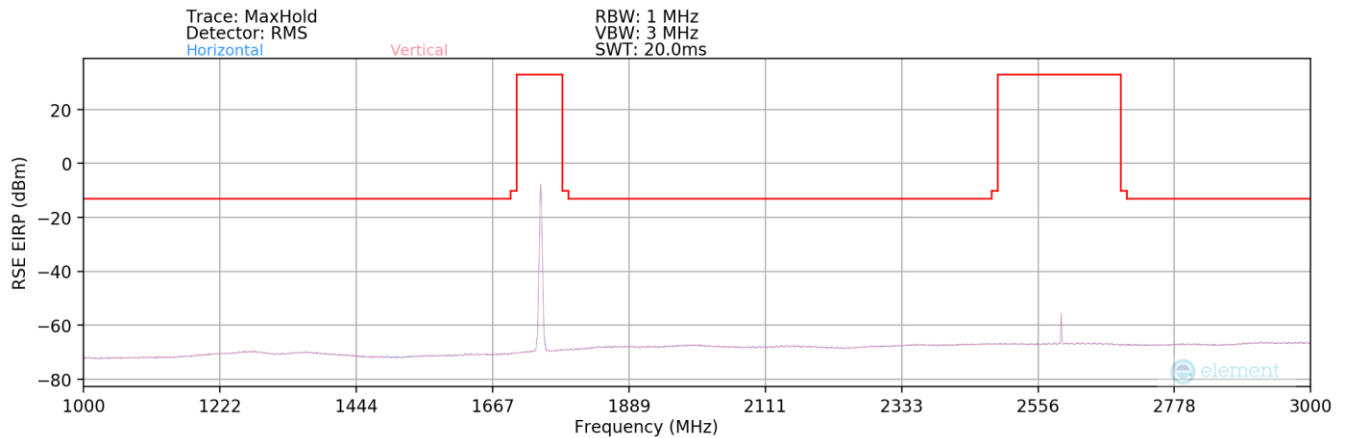
Bandwidth (MHz):	100 & 20
Frequency (MHz):	2593 & 1745
RB / Offset:	1 / 137 & 1 / 50
Mode:	EN-DC
Anchor Band:	B66

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]
897.0	H	-	-	-89.21	31.20	48.99	-48.42	-25.00	-23.42

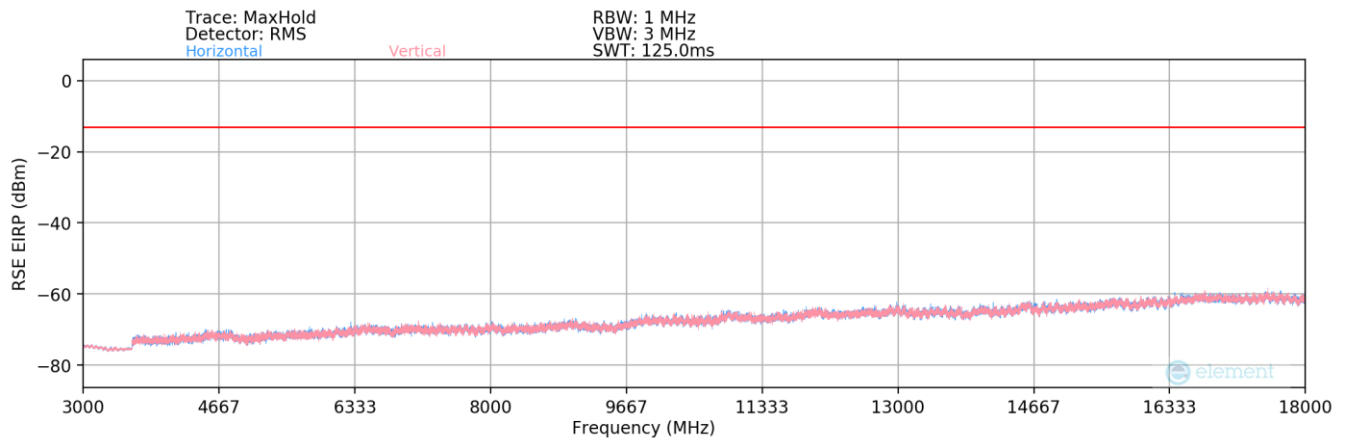
Table 7-40. Radiated Spurious Data 30MHz – 1GHz (EN-DC n41 (ANT I)-B66) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset		Page 208 of 238

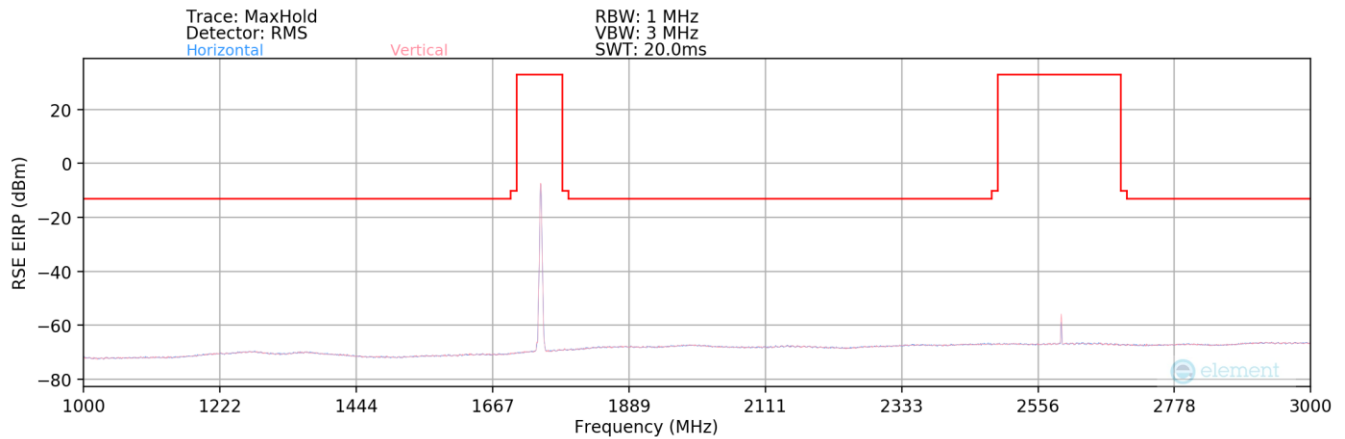
V3.0 1/6/2022



Plot 7-332. Radiated Spurious Plot (EN-DC n41 (ANT I)-B66) – Open

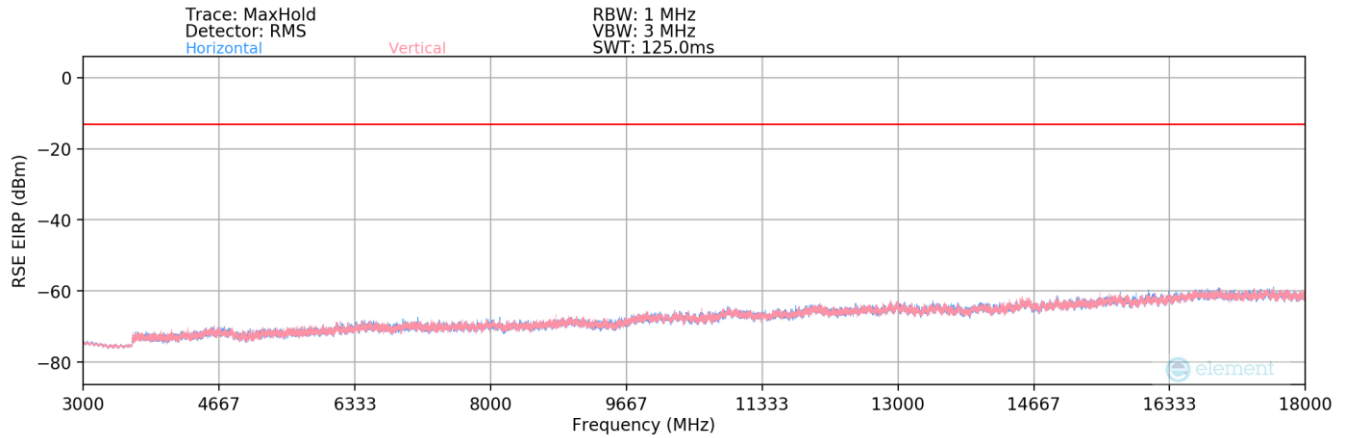


Plot 7-333. Radiated Spurious Plot (EN-DC n41 (ANT I)-B66) – Open



Plot 7-334. Radiated Spurious Plot (EN-DC n41 (ANT I)-B66) – Closed

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 209 of 238



Plot 7-335. Radiated Spurious Plot (EN-DC n41 (ANT I)-B66) – Closed

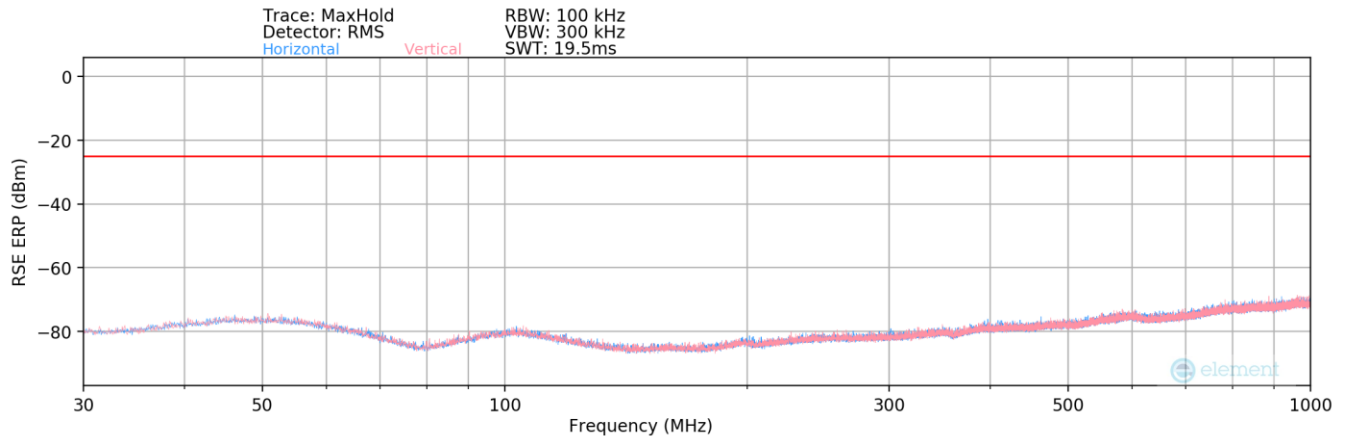
Bandwidth (MHz):	100 & 20
Frequency (MHz):	2593 & 1745
RB / Offset:	1 / 137 & 1 / 50
Mode:	EN-DC
Anchor Band:	B66

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]
1647.0	H	-	-	-77.05	6.05	36.00	-59.26	-25.00	-34.26
3441.0	H	-	-	-77.93	3.87	32.94	-62.32	-25.00	-37.32
4289.0	H	-	-	-78.30	3.40	32.10	-63.16	-25.00	-38.16

Table 7-41. Radiated Spurious Data 30MHz – 1GHz (EN-DC n41 (ANT I)-B66) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 210 of 238

ULCA - LTE B41(PC2)



Plot 7-336. Radiated Spurious Plot (ULCA LTE B41(PC2)) – Half Open

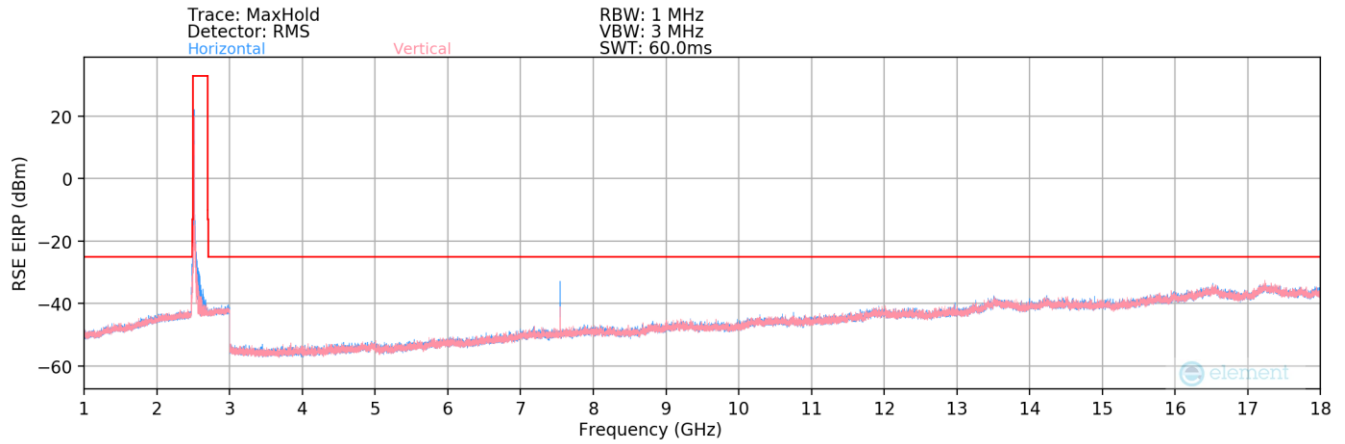
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	IRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
520.6	H	-	-	-72.10	-9.57	25.33	-72.08	-25.00	-47.08
650.7	H	-	-	-68.39	-7.20	31.41	-66.00	-25.00	-41.00
867.6	H	-	-	-67.33	-3.91	35.76	-61.65	-25.00	-36.65

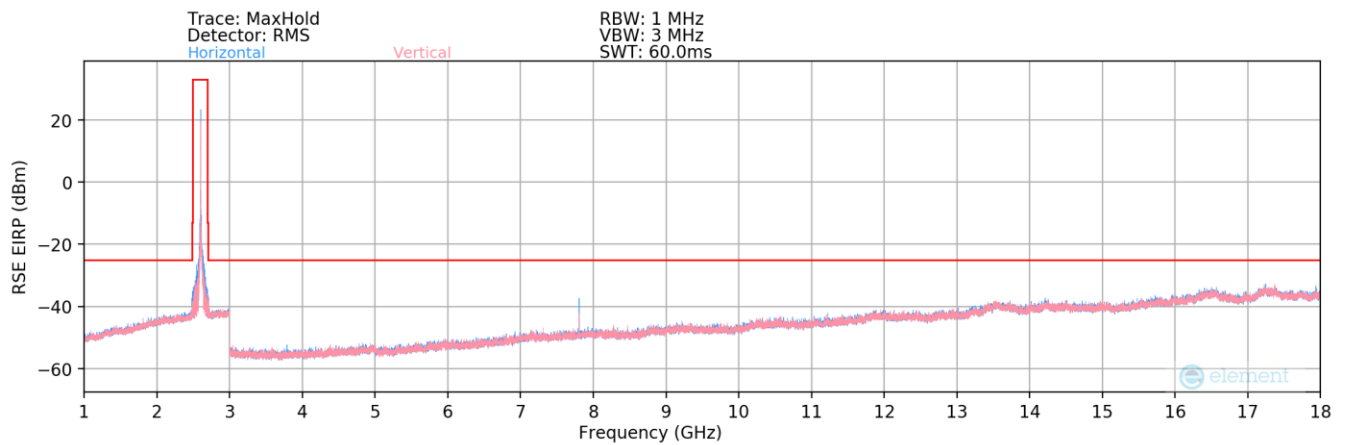
Table 7-42. Radiated Spurious Data (ULCA LTE B41(PC2)) – Half Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset		Page 211 of 238

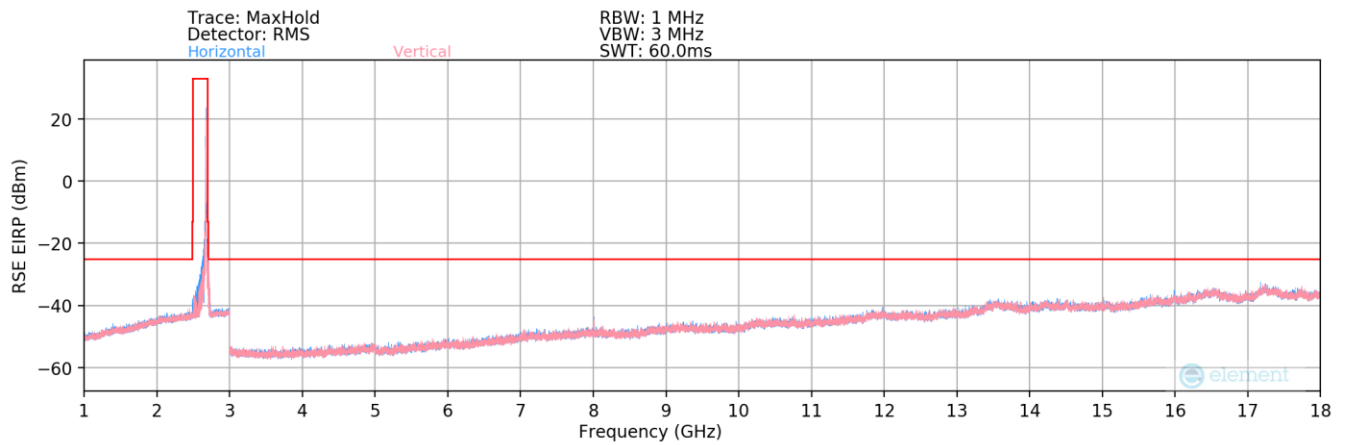
V3.0 1/6/2022



Plot 7-337. Radiated Spurious Plot (ULCA LTE B41(PC2)) – Half Open

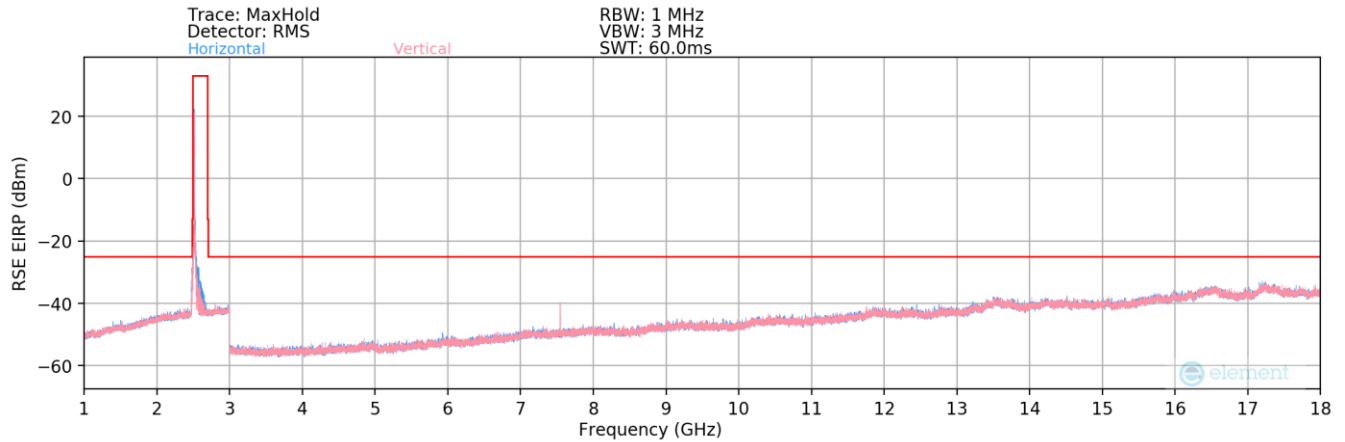


Plot 7-338. Radiated Spurious Plot (ULCA LTE B41(PC2)) – Half Open

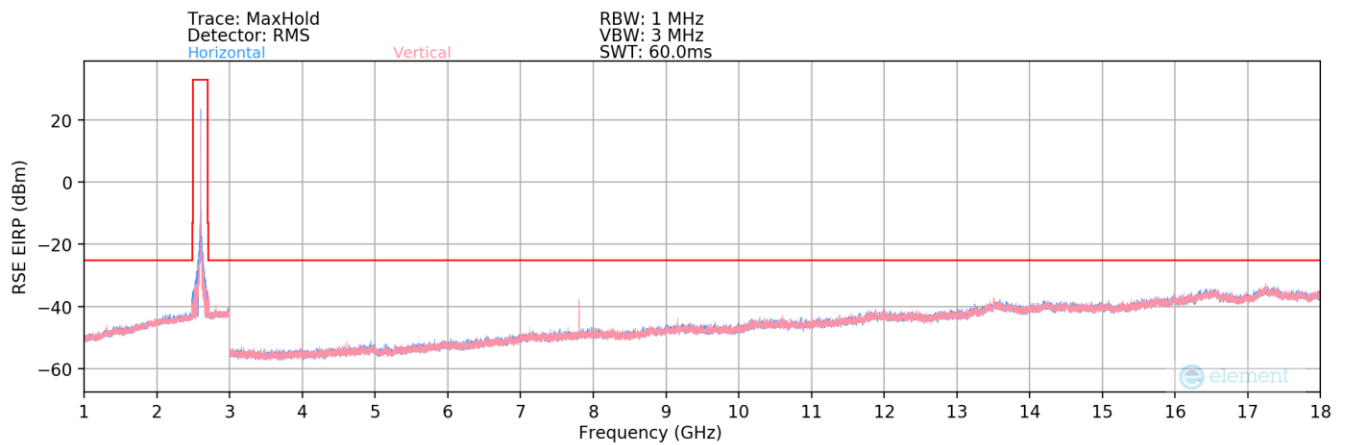


Plot 7-339. Radiated Spurious Plot (ULCA LTE B41(PC2)) – Half Open

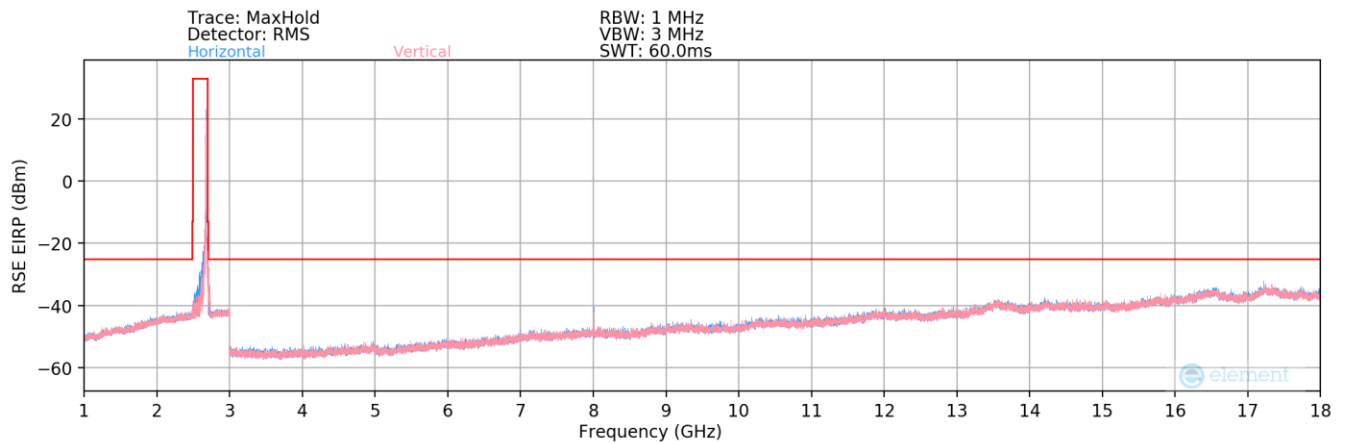
FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 212 of 238



Plot 7-340. Radiated Spurious Plot (ULCA LTE B41(PC2)) – Closed

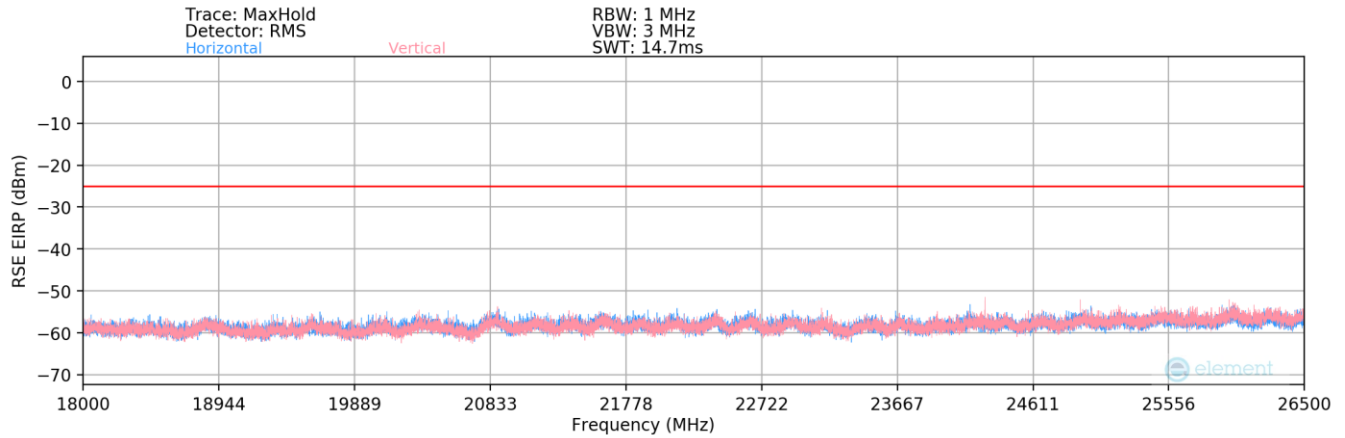


Plot 7-341. Radiated Spurious Plot (ULCA LTE B41(PC2)) – Closed



Plot 7-342. Radiated Spurious Plot (ULCA LTE B41(PC2)) – Closed

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 213 of 238



Plot 7-343. Radiated Spurious Plot (ULCA LTE B41(PC2)) – Half Open

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5031.8	H	-	-	-71.80	10.02	45.22	-50.04	-25.00	-25.04
7547.7	H	161	353	-64.88	16.40	58.52	-36.74	-25.00	-11.74
10063.6	H	-	-	-75.77	19.61	50.84	-44.42	-25.00	-19.42
12579.5	H	-	-	-75.31	23.93	55.62	-39.64	-25.00	-14.64
15095.4	H	-	-	-76.45	28.26	58.81	-36.45	-25.00	-11.45
17611.3	H	-	-	-76.15	31.04	61.89	-33.37	-25.00	-8.37

Table 7-43. Radiated Spurious Data (ULCA LTE B41(PC2) – Low Channel) – Half Open

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5205.8	H	121	357	-72.09	10.25	45.16	-50.10	-25.00	-25.10
7808.7	H	116	1	-62.79	16.44	60.65	-34.61	-25.00	-9.61
10411.6	H	-	-	-74.69	20.73	53.04	-42.21	-25.00	-17.21
13014.5	H	-	-	-75.75	25.16	56.41	-38.85	-25.00	-13.85
15617.4	H	-	-	-76.56	28.69	59.13	-36.13	-25.00	-11.13

Table 7-44. Radiated Spurious Data (ULCA LTE B41(PC2) – Mid Channel) – Half Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 214 of 238

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5340.2	H	152	342	-70.88	11.14	47.26	-48.00	-25.00	-23.00
8010.3	H	104	326	-65.25	16.48	58.23	-37.02	-25.00	-12.02
10680.4	H	-	-	-74.15	20.26	53.11	-42.15	-25.00	-17.15
13350.5	H	-	-	-75.83	25.10	56.27	-38.98	-25.00	-13.98
16020.6	H	-	-	-76.42	29.29	59.87	-35.38	-25.00	-10.38

Table 7-45. Radiated Spurious Data (ULCA LTE B41(PC2) – High Channel) – Half Open

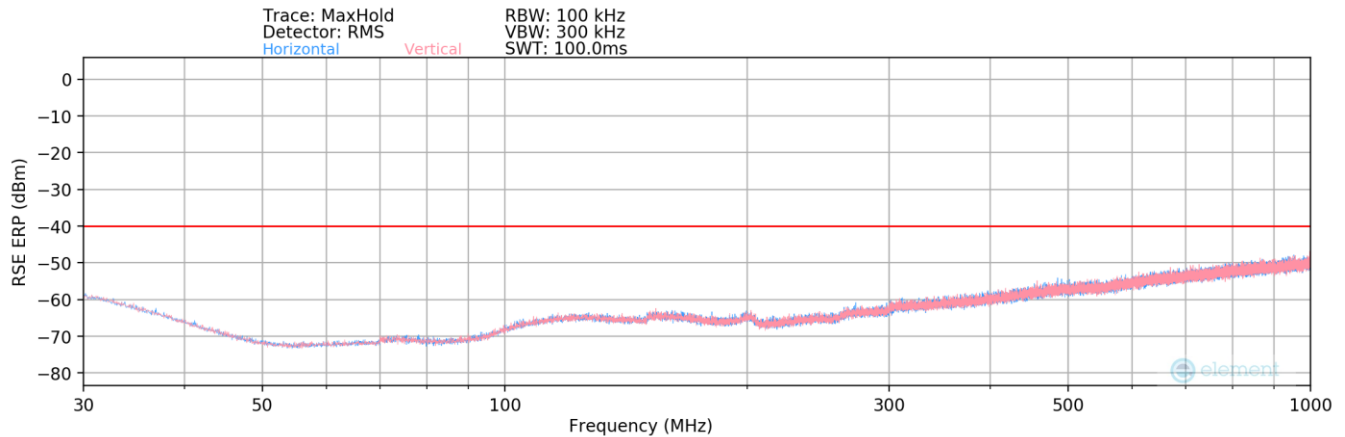
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5205.8	H	-	-	-72.87	10.25	44.38	-50.88	-25.00	-25.88
7808.7	H	151	284	-70.31	16.44	53.13	-42.13	-25.00	-17.13
10411.6	H	-	-	-75.11	20.73	52.62	-42.63	-25.00	-17.63
13014.5	H	-	-	-75.29	25.16	56.87	-38.39	-25.00	-13.39
15617.4	H	-	-	-76.84	28.69	58.85	-36.41	-25.00	-11.41

Table 7-46. Radiated Spurious Data with WCP (ULCA LTE B41(PC2)) – Half Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 215 of 238

NR Band n30 – ANT I



Plot 7-344. Radiated Spurious Plot 30MHz – 1GHz (NR Band n30)

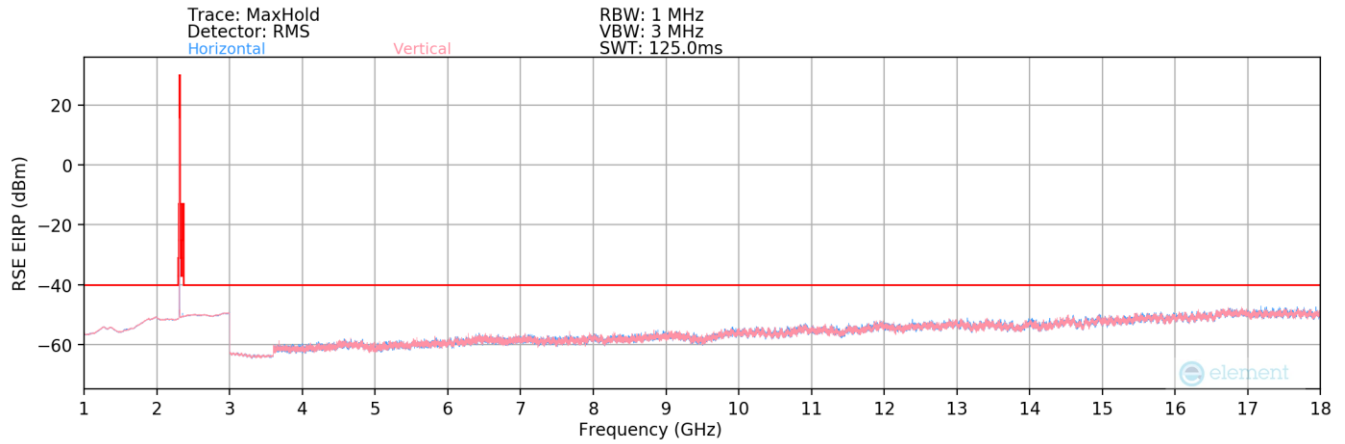
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
456.15	H	-	-	-89.83	24.92	42.09	-55.32	-25.00	-30.32
566.84	H	-	-	-90.05	26.70	43.65	-53.75	-25.00	-28.75
768.23	H	-	-	-89.74	29.71	46.97	-50.44	-25.00	-25.44

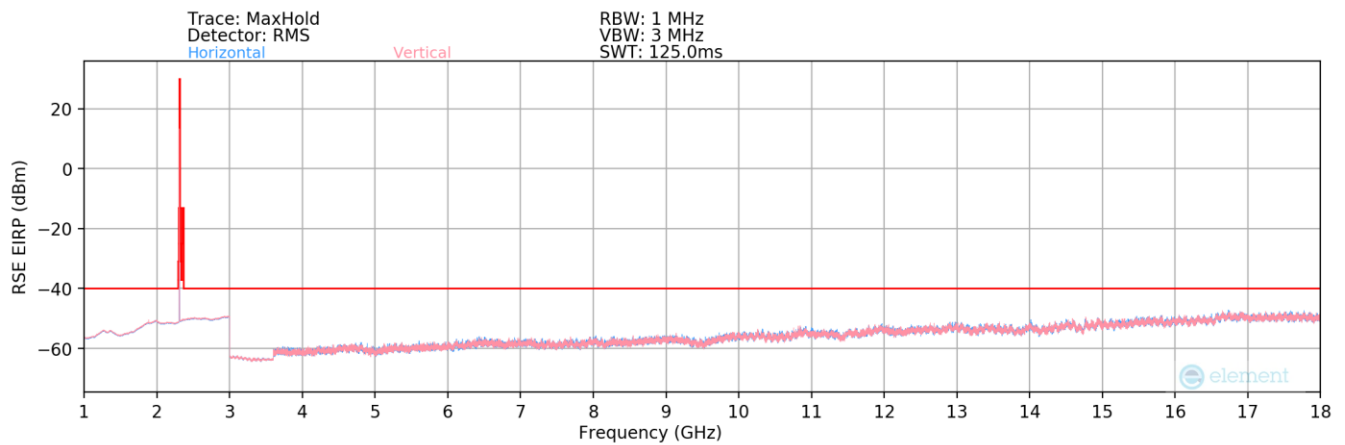
Table 7-47. Radiated Spurious Data 30MHz – 1GHz (NR Band n30) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 216 of 238

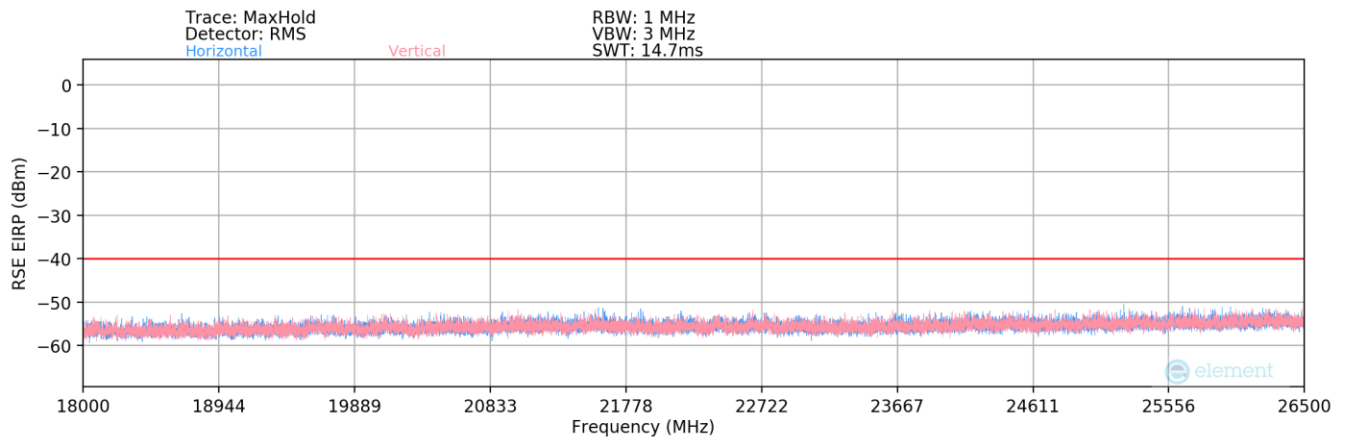
V3.0 1/6/2022



Plot 7-345. Radiated Spurious Plot (NR Band n30) – Open



Plot 7-346. Radiated Spurious Plot (NR Band n30) – Closed



Plot 7-347. Radiated Spurious Plot (NR Band n30) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 217 of 238

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

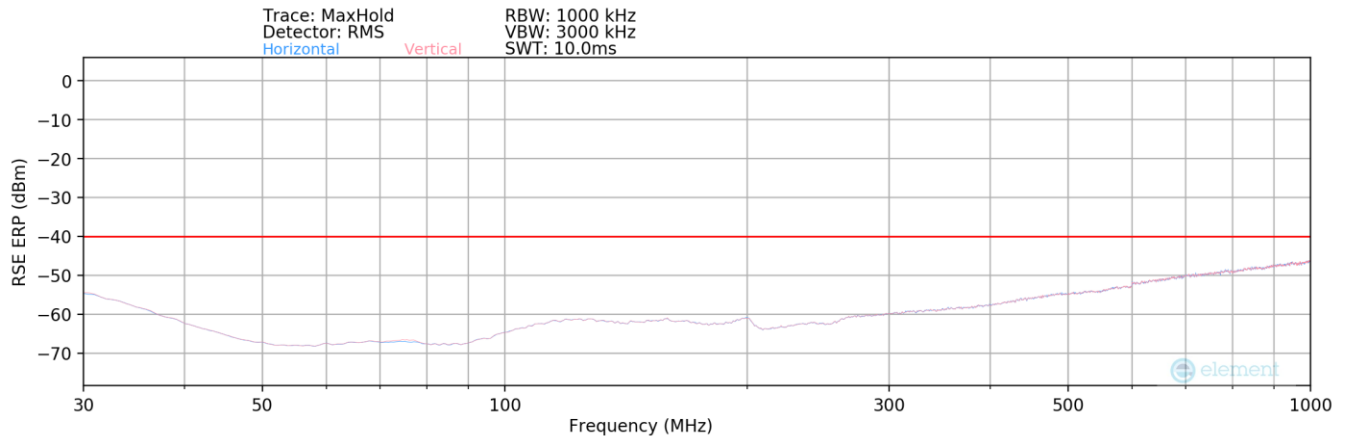
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
4620.00	H	-	-	-78.31	4.36	33.05	-62.21	-25.00	-37.21
6930.00	H	-	-	-79.62	7.75	35.13	-60.13	-25.00	-35.13
9240.00	H	-	-	-80.12	8.79	35.67	-59.59	-25.00	-34.59

Table 7-48. Radiated Spurious Data (NR Band n30 – Mid Channel) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 218 of 238

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EN-DC n30 (ANT I) – B66



Plot 7-348. Radiated Spurious Plot 30MHz – 1GHz (EN-DC n30 (ANT I)-B66) – Open

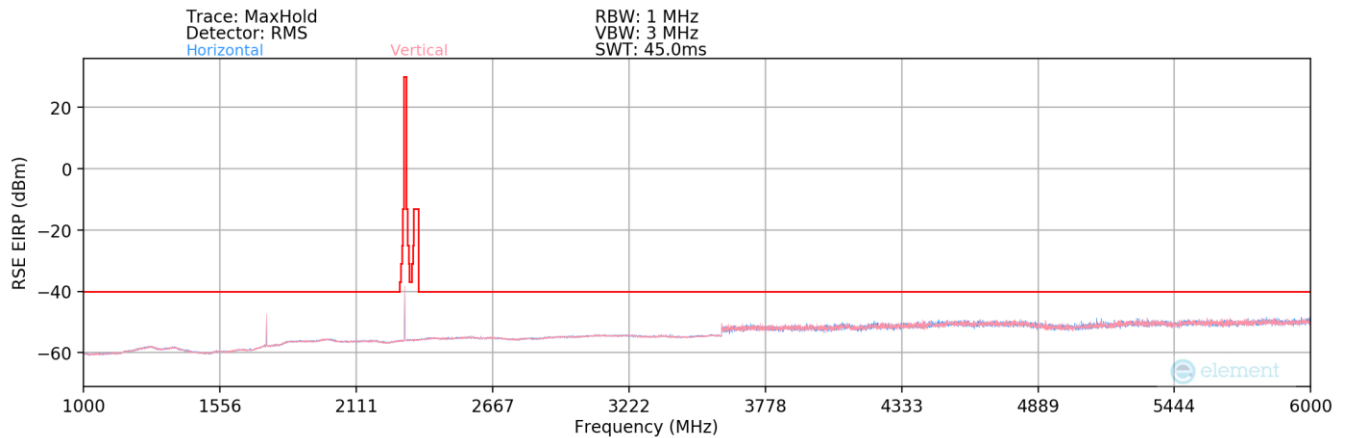
Bandwidth (MHz):	10 & 20
Frequency (MHz):	2310 & 1745
RB / Offset:	1 / 26 & 1 / 50
Mode:	EN-DC
Anchor Band:	B66

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]
615.0	H	-	-	-90.12	26.95	43.83	-53.58	-40.00	-13.58

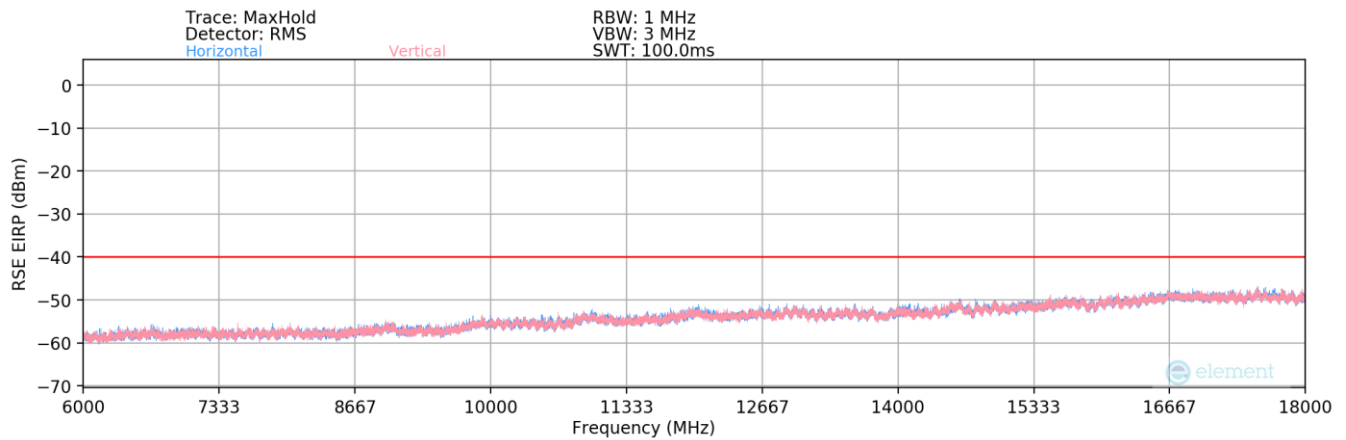
Table 7-49. Radiated Spurious Data 30MHz – 1GHz (EN-DC n30 (ANT I)-B66) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset		Page 219 of 238

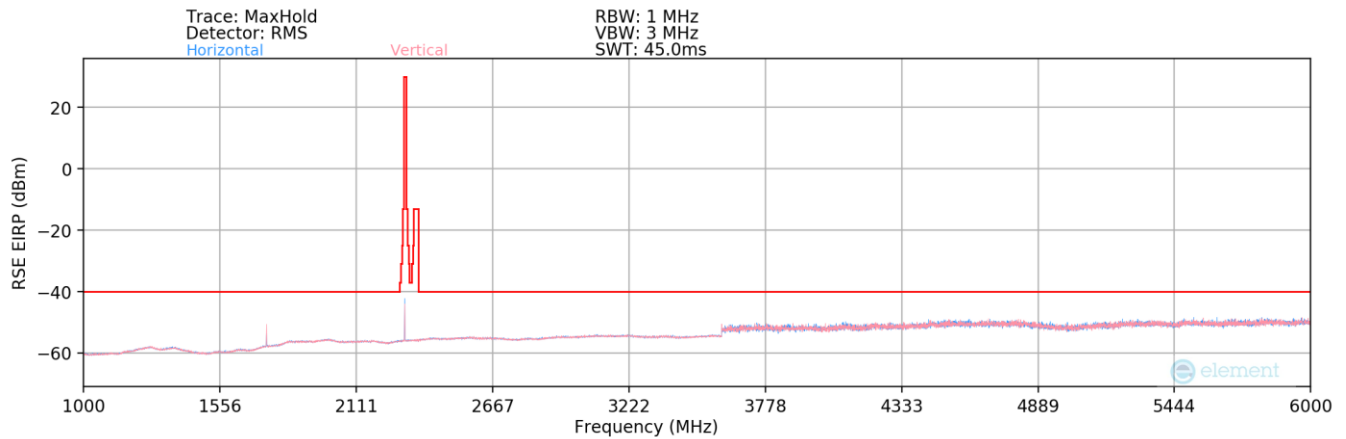
V3.0 1/6/2022



Plot 7-349. Radiated Spurious Plot (EN-DC n30 (ANT I)-B66) – Open

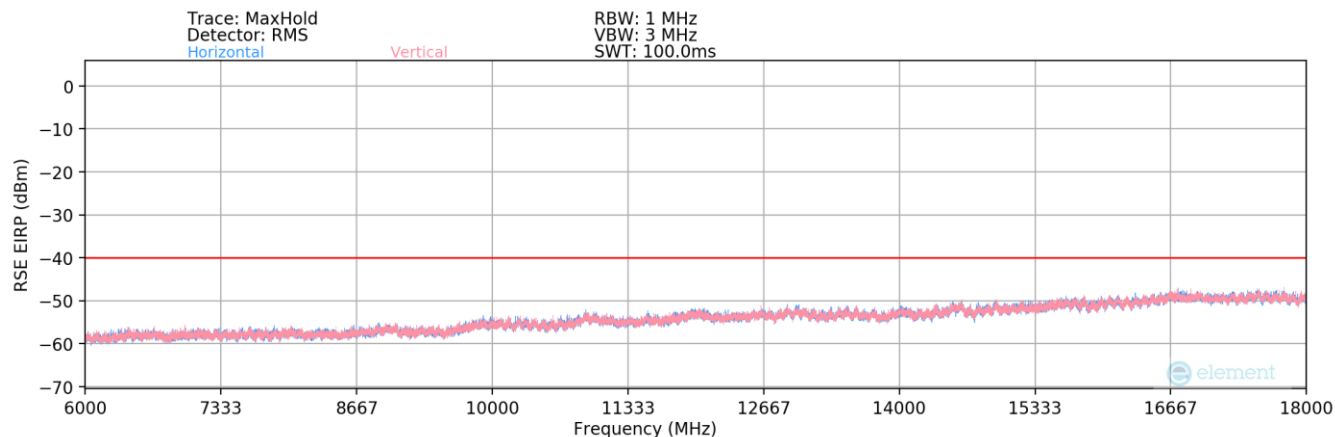


Plot 7-350. Radiated Spurious Plot (EN-DC n30 (ANT I)-B66) – Open



Plot 7-351. Radiated Spurious Plot (EN-DC n30 (ANT I)-B66) – Closed

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 220 of 238



Plot 7-352. Radiated Spurious Plot (EN-DC n30 (ANT I)-B66) – Closed

Bandwidth (MHz):	10 & 20
Frequency (MHz):	2310 & 1745
RB / Offset:	1 / 26 & 1 / 50
Mode:	EN-DC
Anchor Band:	B66

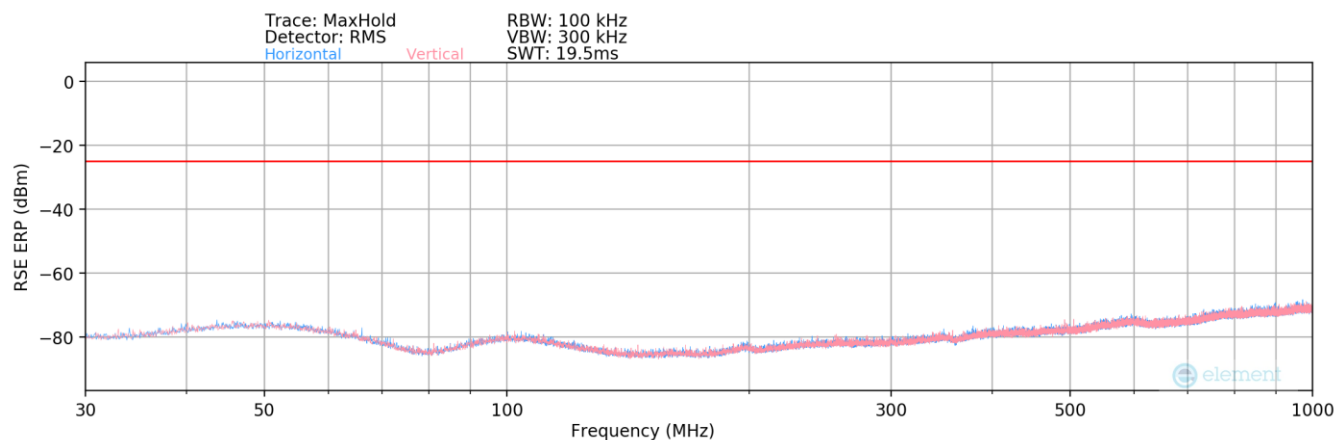
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1180.0	H	-	-	-76.48	6.08	36.60	-58.66	-40.00	-18.66
2875.0	H	-	-	-77.85	12.15	41.30	-53.96	-40.00	-13.96
3440.0	H	-	-	-77.69	12.12	41.43	-53.83	-40.00	-13.83

Table 7-50. Radiated Spurious Data 30MHz – 1GHz (EN-DC n30 (ANT B)-B5) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 221 of 238

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NR Band n41 ANT B



Plot 7-353. Radiated Spurious Plot 30MHz – 1GHz (NR Band n41) – Half Open

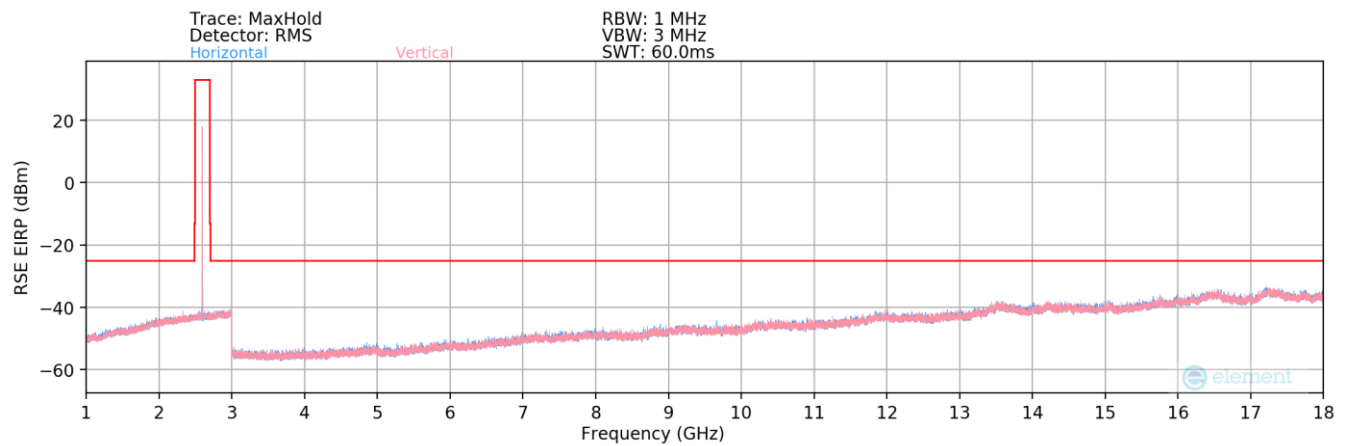
Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1/136
Mode:	SA

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]
67.00	H	-	-	-70.20	-17.72	19.08	-78.33	-25.00	-53.33

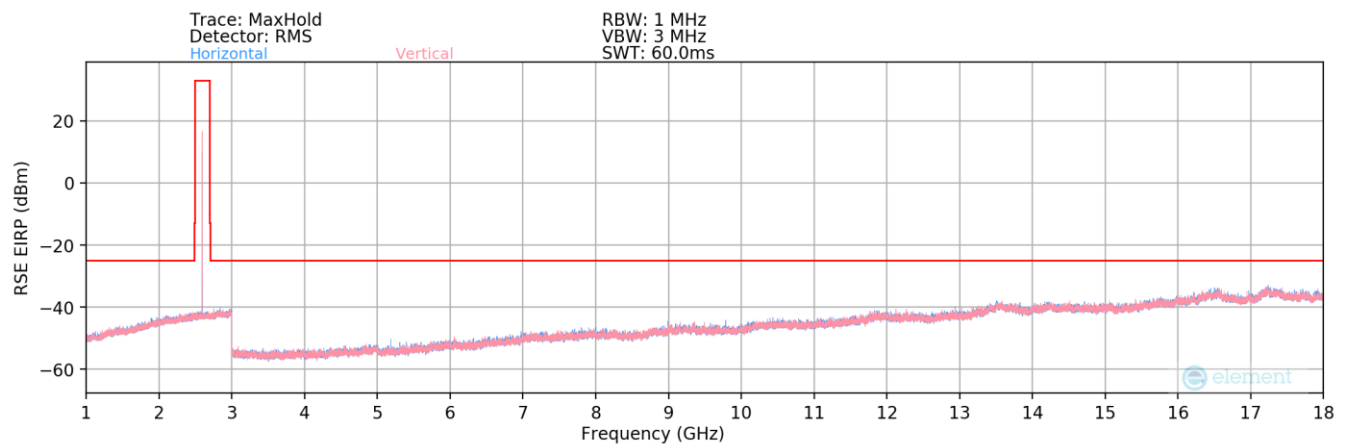
Table 7-51. Radiated Spurious Data 30MHz – 1GHz (NR Band n41)

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 222 of 238

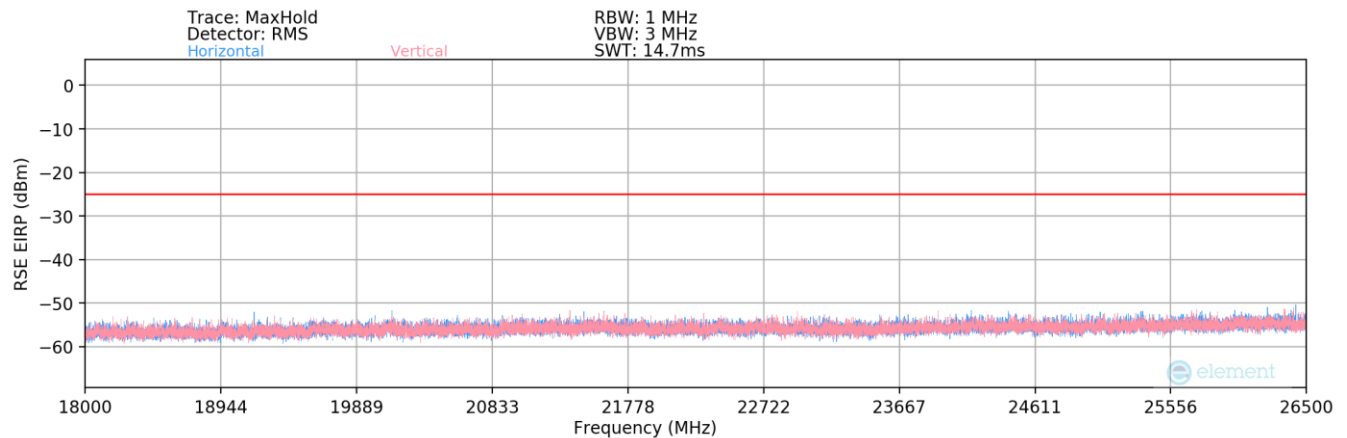
V3.0 1/6/2022



Plot 7-354. Radiated Spurious Plot (NR Band n41) – Half Open



Plot 7-355. Radiated Spurious Plot (NR Band n41) – Closed



Plot 7-356. Radiated Spurious Plot (NR Band n41) – Half Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 223 of 238

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1/136
Mode:	SA

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.00	H	-	-	-72.91	10.02	44.11	-51.14	-25.00	-26.14
7638.00	H	-	-	-74.55	16.63	49.08	-46.18	-25.00	-21.18
10184.00	H	-	-	-75.69	21.27	52.58	-42.68	-25.00	-17.68

Table 7-52. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1/136
Mode:	SA

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	-	-	-72.66	10.52	44.86	-50.40	-25.00	-25.40
7779.00	H	-	-	-74.21	16.41	49.20	-46.06	-25.00	-21.06
10372.00	H	-	-	-75.62	20.35	51.73	-43.53	-25.00	-18.53

Table 7-53. Radiated Spurious Data (NR Band n41 – Mid Channel)

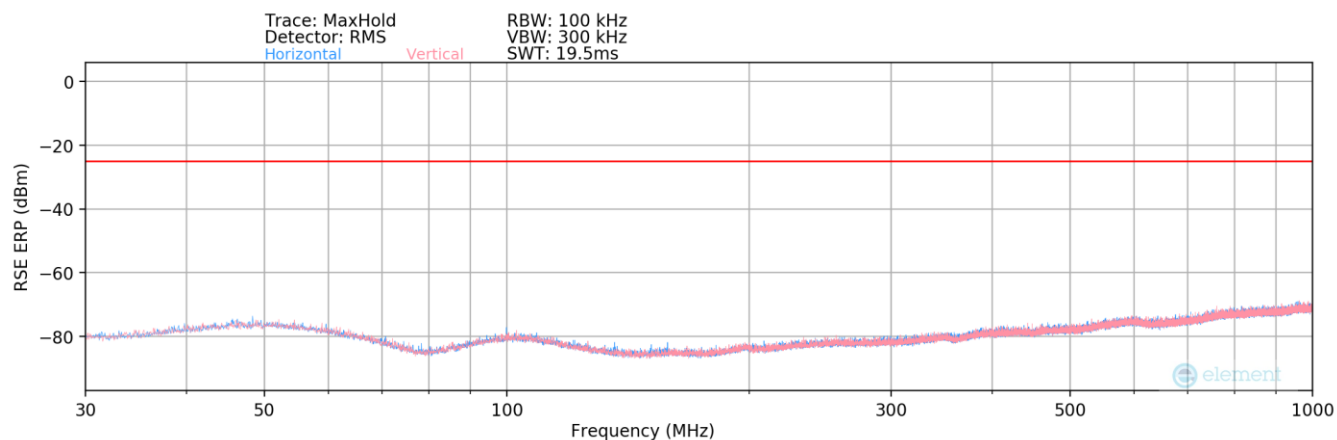
Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1/136
Mode:	SA

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	-	-	-72.91	10.61	44.70	-50.56	-25.00	-25.56
7920.00	H	-	-	-73.83	16.47	49.64	-45.62	-25.00	-20.62
10560.00	H	-	-	-75.87	20.68	51.81	-43.45	-25.00	-18.45

Table 7-54. Radiated Spurious Data (NR Band n41 – High Channel)

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 224 of 238

NR Band n41 – ANT F



Plot 7-357. Radiated Spurious Plot (NR Band n41) – Open

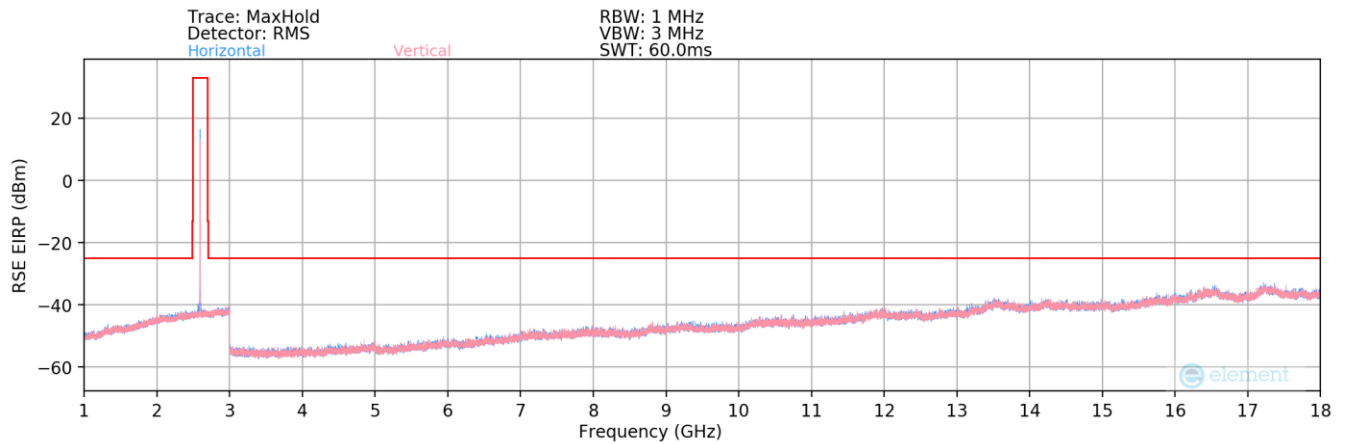
Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1/136
Mode:	SA

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]
48.00	H	-	-	-67.26	-13.99	25.75	-71.66	-25.00	-46.66

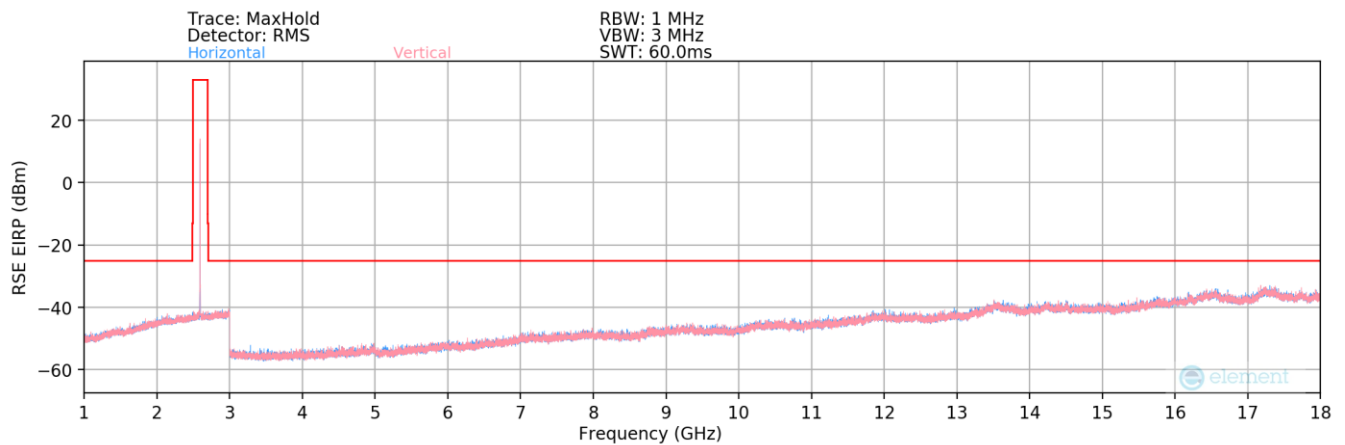
Table 7-55. Radiated Spurious Data (NR Band n41) – Open

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset		Page 225 of 238

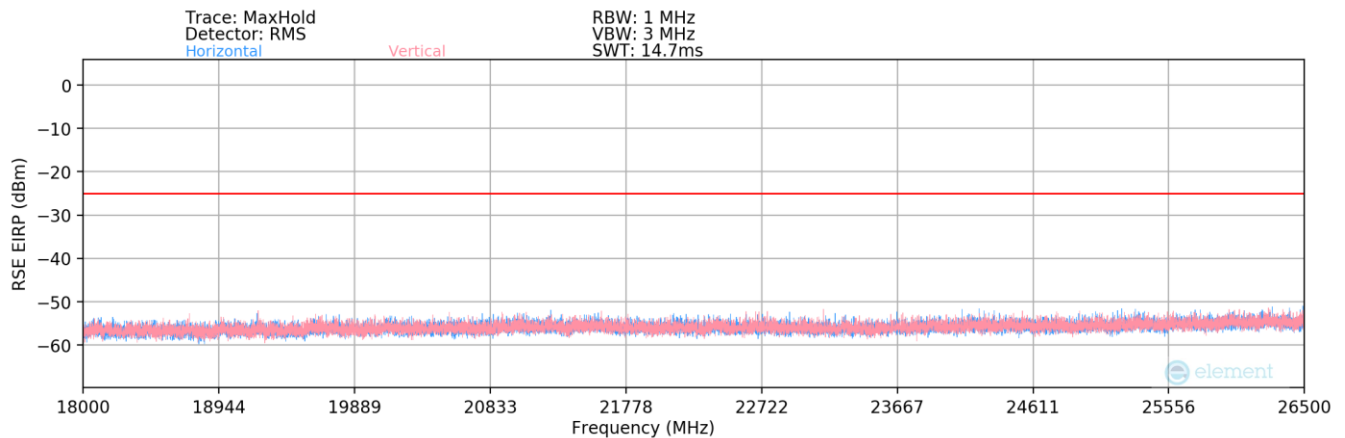
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Plot 7-358. Radiated Spurious Plot (NR Band n41) – Open



Plot 7-359. Radiated Spurious Plot (NR Band n41) – Half Open



Plot 7-360. Radiated Spurious Plot (NR Band n41)

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204080051-05.A3L	Test Dates: 4/8/2022 - 6/30/2022	EUT Type: Portable Handset	Page 226 of 238

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1/136
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]
5092.00	H	128	324	-73.28	9.98	43.70	-51.56	-25.00	-26.56
7638.00	H	-	-	-75.04	16.47	48.43	-46.82	-25.00	-21.82
10184.00	H	-	-	-75.90	20.95	52.05	-43.21	-25.00	-18.21
12730.00	H	-	-	-76.83	23.61	53.78	-41.48	-25.00	-16.48

Table 7-56. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1/136
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]
5186.00	H	117	43	-71.74	10.50	45.76	-49.50	-25.00	-24.50
7779.00	H	-	-	-73.99	16.31	49.32	-45.94	-25.00	-20.94
10372.00	H	-	-	-75.44	20.12	51.68	-43.58	-25.00	-18.58
12965.00	H	-	-	-76.84	24.58	54.74	-40.52	-25.00	-15.52

Table 7-57. Radiated Spurious Data (NR Band n41 – Mid Channel)

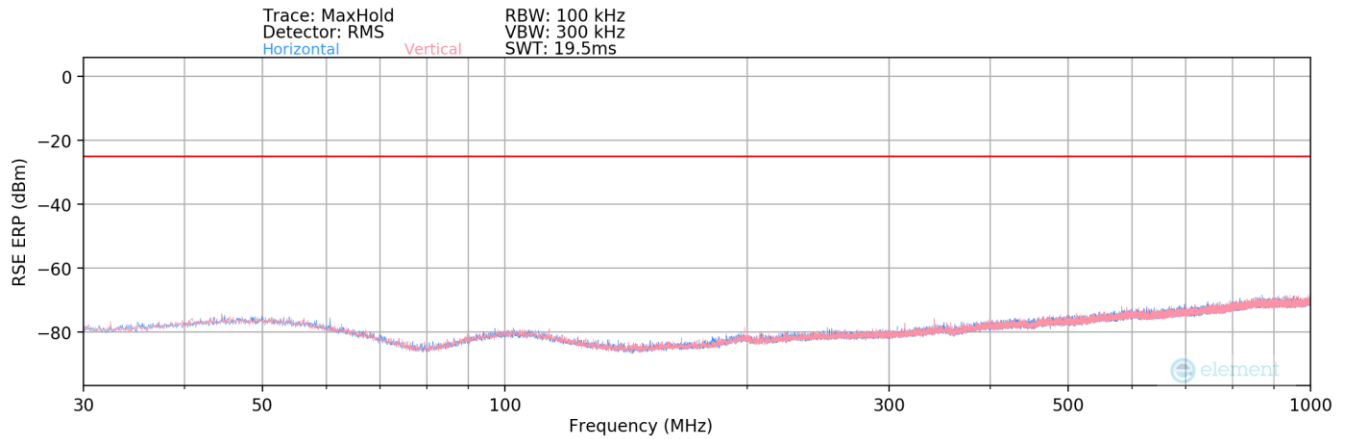
Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1/136
Mode:	Stand-Alone

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]
5280.00	H	107	36	-71.29	10.48	46.19	-49.06	-25.00	-24.06
7920.00	H	-	-	-74.58	16.35	48.77	-46.49	-25.00	-21.49
10560.00	H	-	-	-76.29	20.50	51.21	-44.05	-25.00	-19.05
13200.00	H	-	-	-77.07	25.11	55.04	-40.22	-25.00	-15.22

Table 7-58. Radiated Spurious Data (NR Band n41 – High Channel)

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NR Band n41 – ANT C



Plot 7-361. Radiated Spurious Plot 30MHz – 1GHz (NR Band n41) – Closed

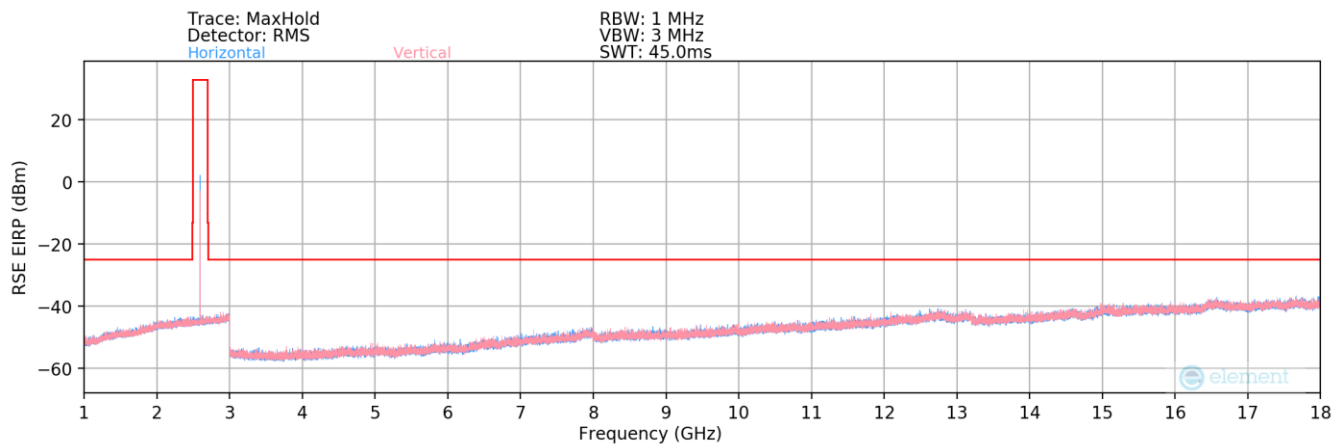
Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1/136
Mode:	SA

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]
330.00	V	-	-	-71.66	-13.17	22.17	-75.24	-25.00	-50.24

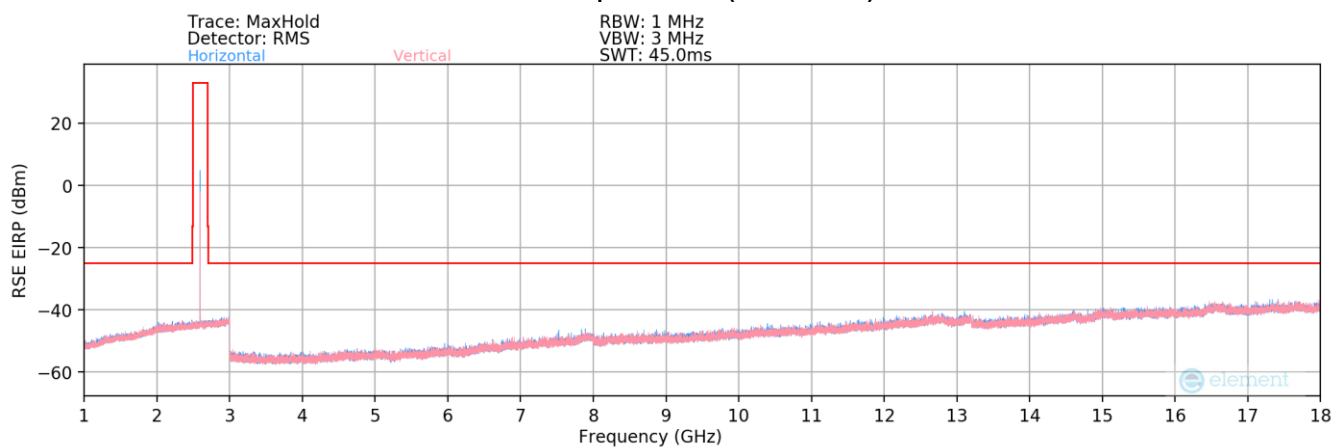
Table 7-59. Radiated Spurious Data 30MHz – 1GHz (NR Band n41) – Closed

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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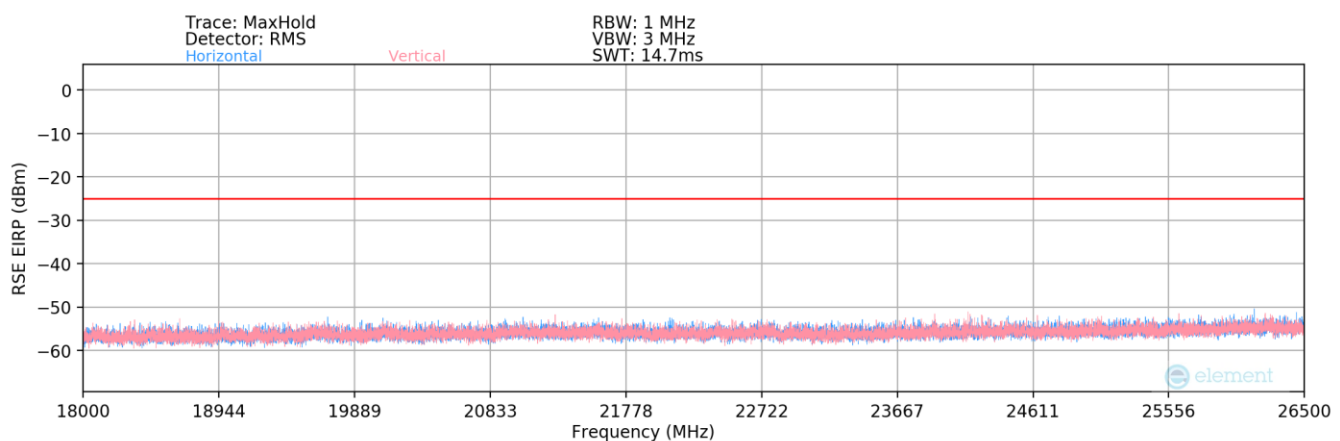
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Plot 7-362. Radiated Spurious Plot (NR Band n41) – Closed



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



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

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1/136
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]
5092.00	V	-	-	-72.00	7.53	42.53	-52.73	-25.00	-27.73
7638.00	V	-	-	-71.43	12.79	48.36	-46.90	-25.00	-21.90
10184.00	V	-	-	-73.33	15.80	49.47	-45.79	-25.00	-20.79

Table 7-60. Radiated Spurious Data (NR Band n41 – Low Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1/136
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]
5186.00	V	398	170	-70.94	7.48	43.54	-51.71	-25.00	-26.71
7779.00	V	-	-	-72.19	13.05	47.86	-47.39	-25.00	-22.39
10372.00	V	-	-	-72.42	16.40	50.98	-44.28	-25.00	-19.28
12965.00	V	-	-	-74.18	19.66	52.48	-42.78	-25.00	-17.78

Table 7-61. Radiated Spurious Data (NR Band n41 – Mid Channel)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1/136
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]
5280.00	V	-	-	-71.00	7.52	43.52	-51.74	-25.00	-26.74
7920.00	V	-	-	-73.05	14.43	48.38	-46.88	-25.00	-21.88
10560.00	V	-	-	-72.97	16.47	50.50	-44.75	-25.00	-19.75

Table 7-62. Radiated Spurious Data (NR Band n41 – High Channel)

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7.8 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015. The frequency stability of the transmitter is measured by:

- a.) **Temperature:** The temperature is varied from -30°C to +50°C in 10°C increments using an environmental chamber.
- b.) **Primary Supply Voltage:** The primary supply voltage is varied from 85% to 115% of the nominal value for non hand-carried battery and AC powered equipment. For hand-carried, battery-powered equipment, primary supply voltage is reduced to the battery operating end point which shall be specified by the manufacturer.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015 – Section 5.6

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

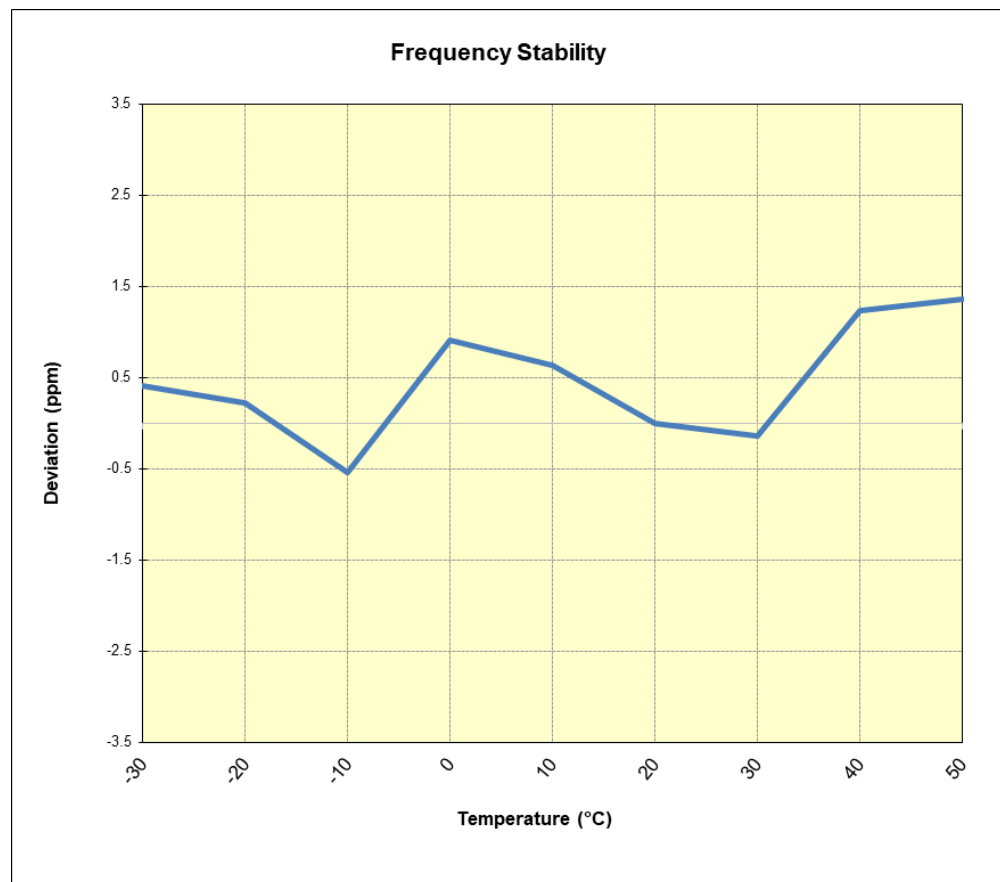
FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30					
		Operating Frequency (Hz):		2,310,000,000	
		Ref. Voltage (VDC):		4.39	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,310,090,974	947	0.0000410
		- 20	2,310,090,551	524	0.0000227
		- 10	2,310,088,772	-1,255	-0.0000543
		0	2,310,092,142	2,115	0.0000915
		+ 10	2,310,091,486	1,459	0.0000632
		+ 20 (Ref)	2,310,090,027	0	0.0000000
		+ 30	2,310,089,699	-328	-0.0000142
		+ 40	2,310,092,886	2,859	0.0001238
		+ 50	2,310,093,181	3,154	0.0001365
Battery Endpoint	3.54	+ 20	2,310,089,703	-324	-0.0000140

Table 7-63. LTE Band 30 Frequency Stability Data



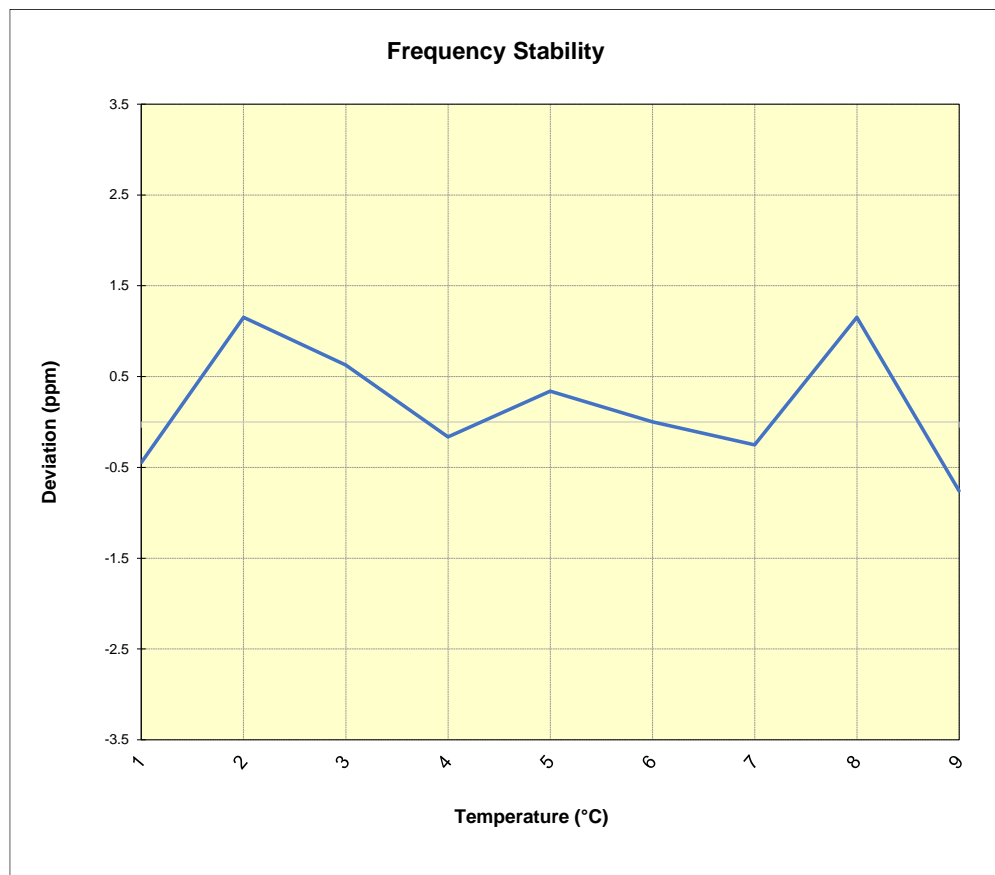
Plot 7-365. LTE Band 30 Frequency Stability Chart

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7					
Operating Frequency (Hz):			2,535,000,000		
Ref. Voltage (VDC):			4.39		
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,535,090,784	-1,127	-0.0000445
		- 20	2,535,094,835	2,924	0.0001153
		- 10	2,535,093,498	1,587	0.0000626
		0	2,535,091,492	-419	-0.0000165
		+ 10	2,535,092,774	863	0.0000341
		+ 20 (Ref)	2,535,091,911	0	0.0000000
		+ 30	2,535,091,270	-641	-0.0000253
		+ 40	2,535,094,831	2,920	0.0001152
		+ 50	2,535,089,990	-1,921	-0.0000758
Battery Endpoint	3.54	+ 20	2,535,092,631	720	0.0000284

Table 7-64. LTE Band 7 Frequency Stability Data



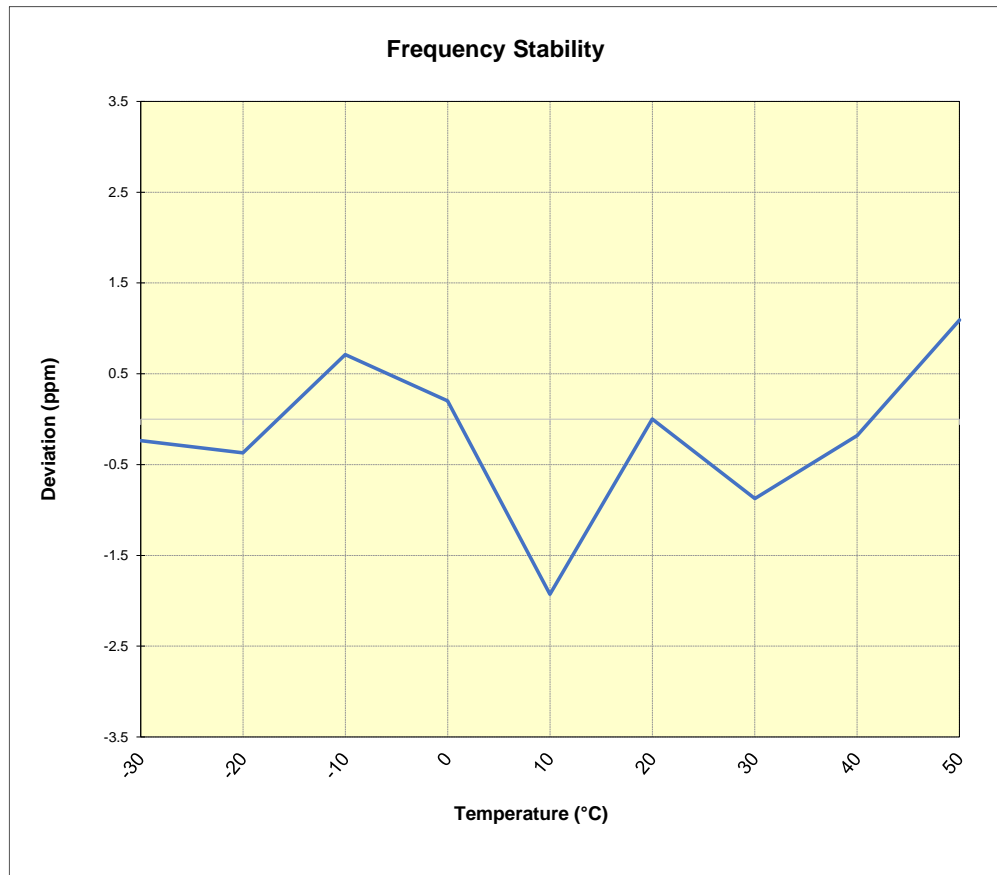
Plot 7-366. LTE Band 7 Frequency Stability Chart

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41/38					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.39	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,593,096,301	-612	-0.0000236
		- 20	2,593,095,956	-957	-0.0000369
		- 10	2,593,098,760	1,847	0.0000712
		0	2,593,097,437	524	0.0000202
		+ 10	2,593,091,911	-5,002	-0.0001929
		+ 20 (Ref)	2,593,096,913	0	0.0000000
		+ 30	2,593,094,648	-2,265	-0.0000873
		+ 40	2,593,096,449	-464	-0.0000179
		+ 50	2,593,099,745	2,832	0.0001092
Battery Endpoint	3.54	+ 20	2,593,098,557	1,644	0.0000634

Table 7-65. LTE Band 41/38 Frequency Stability Data



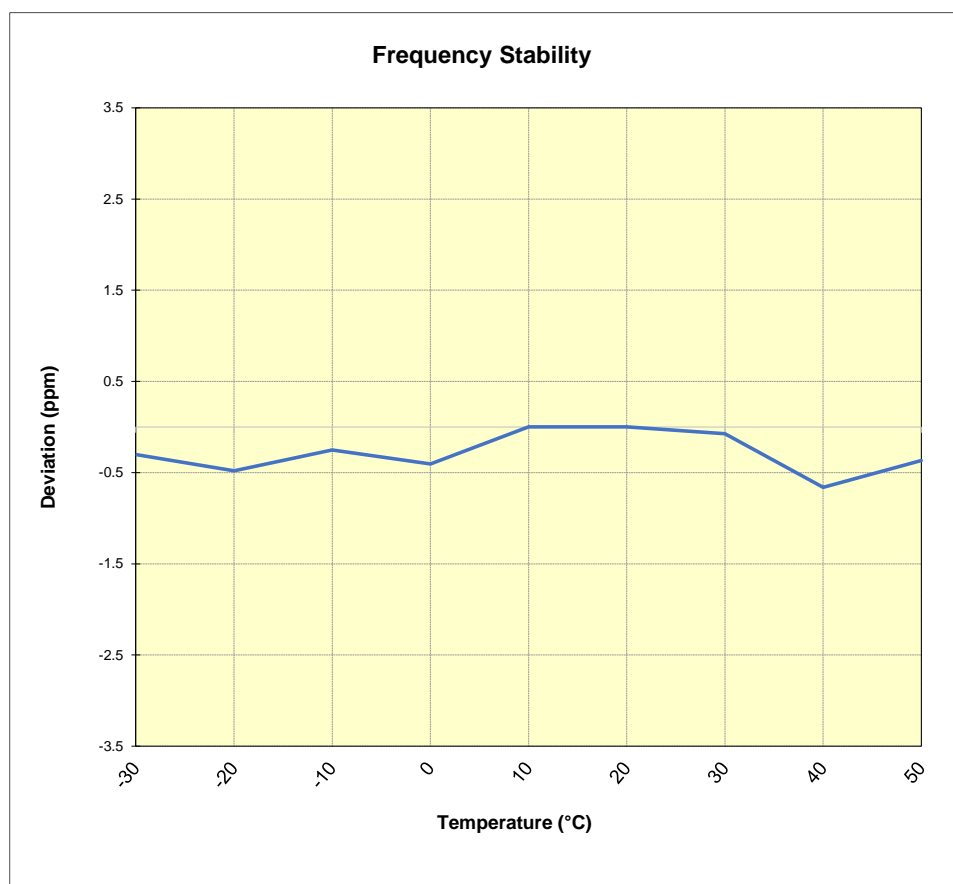
Plot 7-367. LTE Band 41/38 Frequency Stability Chart

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30					
		Operating Frequency (Hz):		2,310,000,000	
		Ref. Voltage (VDC):		4.39	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,310,079,885	-699	-0.0000303
		- 20	2,310,079,474	-1,110	-0.0000481
		- 10	2,310,080,005	-579	-0.0000251
		0	2,310,079,652	-933	-0.0000404
		+ 10	2,310,080,587	3	0.0000001
		+ 20 (Ref)	2,310,080,584	0	0.0000000
		+ 30	2,310,080,413	-171	-0.0000074
		+ 40	2,310,079,053	-1,531	-0.0000663
		+ 50	2,310,079,733	-851	-0.0000368
Battery Endpoint	3.54	+ 20	2,310,079,040	-1,544	-0.0000668

Table 7-66. NR Band n30 Frequency Stability Data

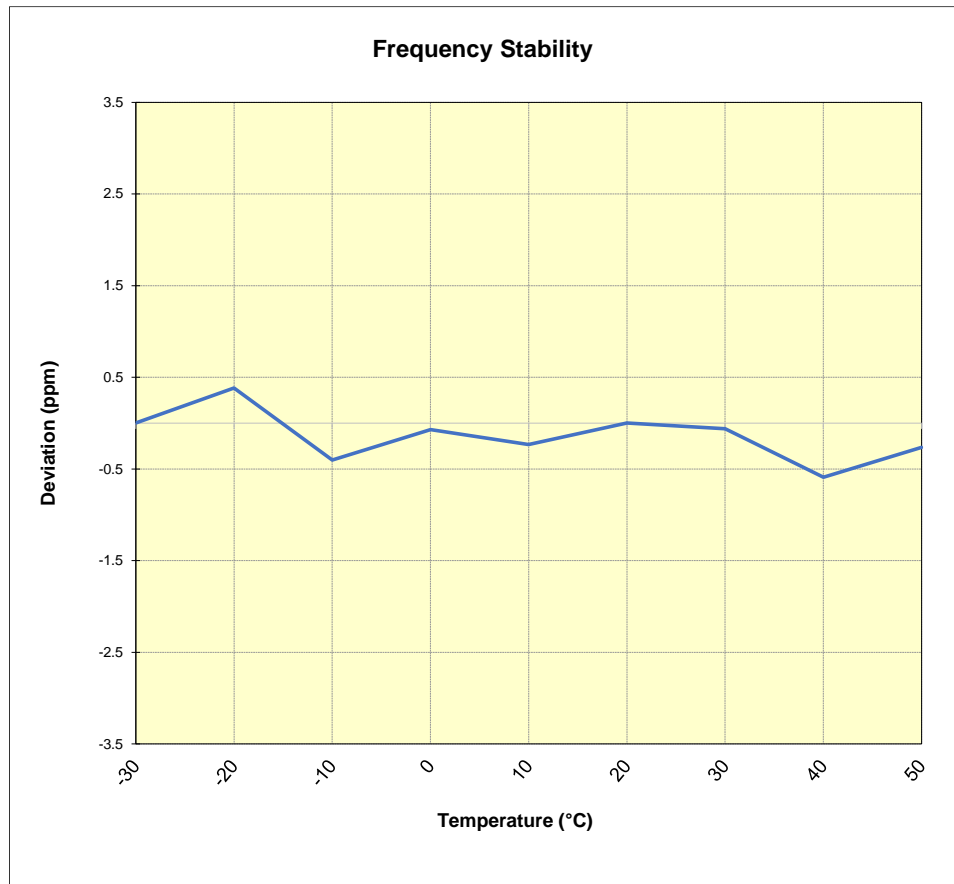


Plot 7-368. NR Band n30 Frequency Stability Chart

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7					
		Operating Frequency (Hz):		2,535,000,000	
		Ref. Voltage (VDC):		4.39	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	-	-	-
		- 20	2,535,082,778	974	0.0000384
		- 10	2,535,080,781	-1,024	-0.0000404
		0	2,535,081,624	-180	-0.0000071
		+ 10	2,535,081,209	-595	-0.0000235
		+ 20 (Ref)	2,535,081,804	0	0.0000000
		+ 30	2,535,081,647	-157	-0.0000062
		+ 40	2,535,080,306	-1,498	-0.0000591
		+ 50	2,535,081,136	-668	-0.0000264
Battery Endpoint	3.54	+ 20	2,535,081,308	-496	-0.0000196

Table 7-67. NR Band n7 Frequency Stability Data



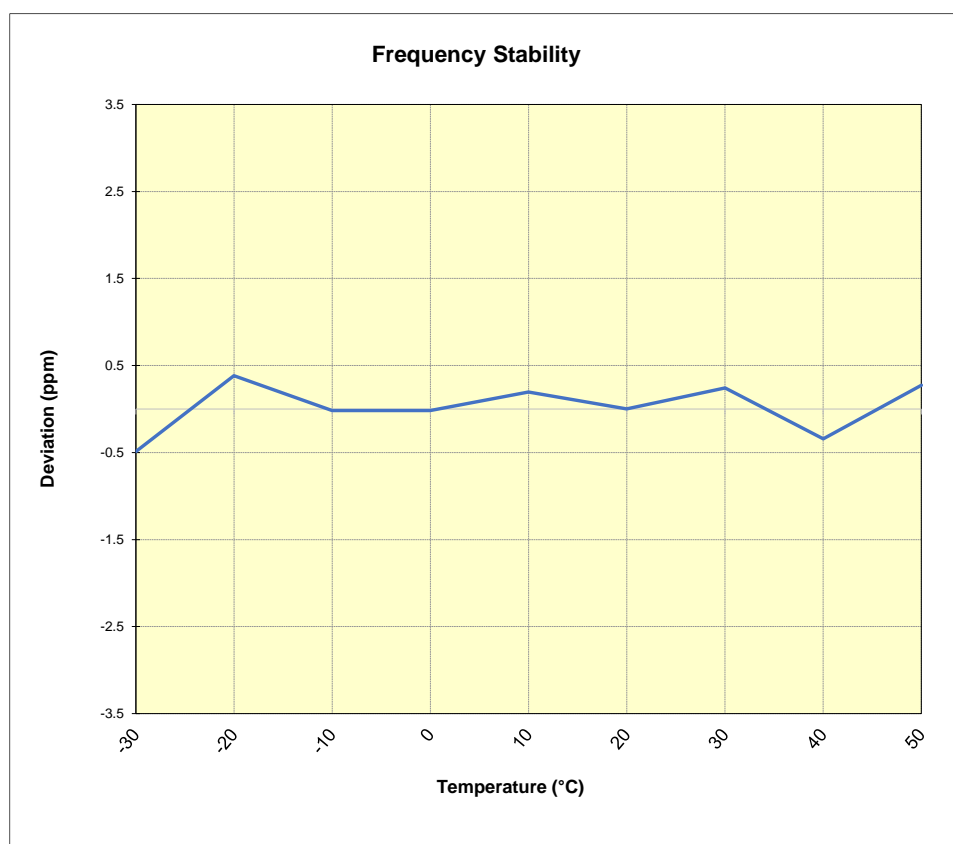
Plot 7-369. NR Band n7 Frequency Stability Chart

FCC ID: A3LSMF721U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41/38					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.39	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,593,080,032	-1,269	-0.0000490
		- 20	2,593,082,298	997	0.0000384
		- 10	2,593,081,256	-45	-0.0000017
		0	2,593,081,253	-48	-0.0000018
		+ 10	2,593,081,811	510	0.0000197
		+ 20 (Ref)	2,593,081,301	0	0.0000000
		+ 30	2,593,081,933	632	0.0000244
		+ 40	2,593,080,416	-885	-0.0000341
		+ 50	2,593,082,008	707	0.0000273
Battery Endpoint	3.54	+ 20	2,593,082,822	1,521	0.0000587

Table 7-68. NR Band n41/38 Frequency Stability Data



Plot 7-370. NR Band n41/38 Frequency Stability Chart

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF721U** complies with all the requirements of Part 27 of the FCC rules.

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