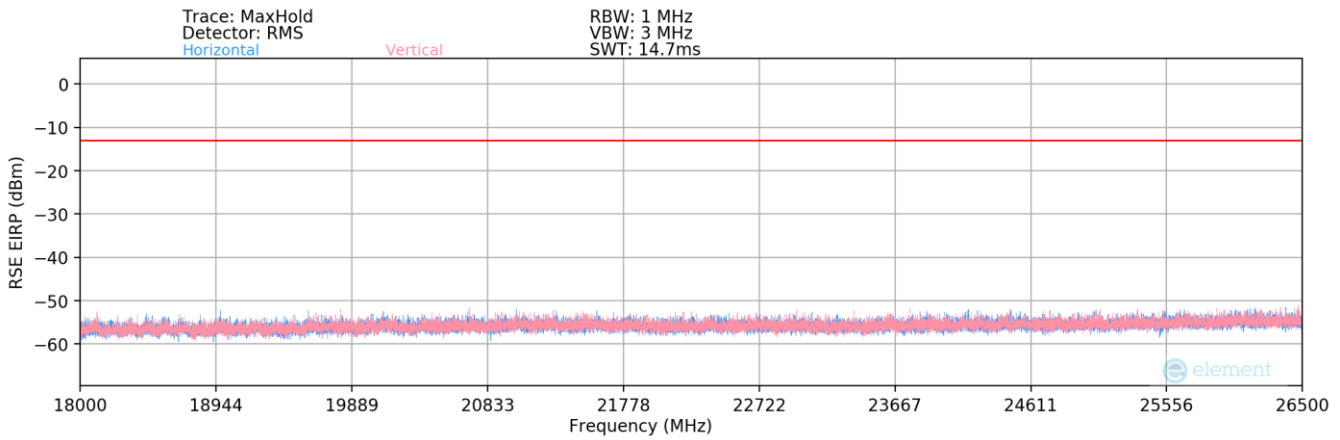
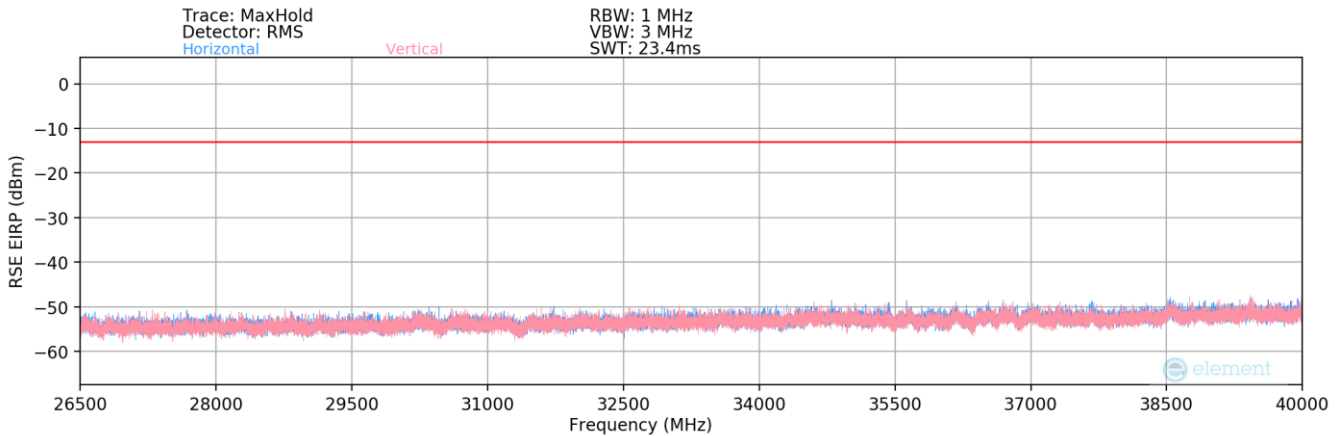


**Plot 7-270. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band – SRS-1)**



**Plot 7-271. Radiated Spurious Plot – 18-26.5GHz (NR Band n77 - C-Band – SRS-1)**



**Plot 7-272. Radiated Spurious Plot – 26.5-40GHz (NR Band n77 - C-Band – SRS-1)**

FCC ID: A3LSMS916U	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 182 of 202

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	H	316	93	-76.95	8.29	38.34	-56.92	-13.00	-43.92
11250.00	H	-	-	-78.03	12.21	41.18	-54.08	-13.00	-41.08
15000.00	H	278	77	-75.71	15.53	46.82	-48.44	-13.00	-35.44
18750.00	H	-	-	-56.30	1.83	52.53	-52.27	-13.00	-39.27
22500.00	H	-	-	-57.82	3.87	53.05	-51.75	-13.00	-38.75

Table 7-40. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Low Channel – SRS-1)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	331	25	-74.37	7.48	40.11	-55.15	-13.00	-42.15
11520.00	H	-	-	-78.75	12.32	40.57	-54.68	-13.00	-41.68
15360.00	H	287	80	-73.47	16.02	49.55	-45.71	-13.00	-32.71
19200.00	H	-	-	-58.17	2.27	51.10	-53.70	-13.00	-40.70
23040.00	H	-	-	-58.06	3.76	52.70	-52.10	-13.00	-39.10

Table 7-41. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-1)

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dB $\mu$ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	H	266	46	-73.18	8.25	42.07	-53.19	-13.00	-40.19
11790.00	H	-	-	-78.64	13.24	41.60	-53.66	-13.00	-40.66
15720.00	H	266	83	-73.27	17.31	51.04	-44.22	-13.00	-31.22
19650.00	H	-	-	-57.89	2.57	51.68	-53.12	-13.00	-40.12
23580.00	H	-	-	-58.58	3.80	52.22	-52.58	-13.00	-39.58

Table 7-42. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – High Channel – SRS-1)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 183 of 202



<b>Case:</b>	w/ Wireless Charging Pad
<b>Bandwidth (MHz):</b>	100
<b>Frequency (MHz):</b>	3930.00
<b>RB / Offset:</b>	1 / 136
<b>Mode:</b>	Stand Alone
<b>Anchor Band:</b>	N / A

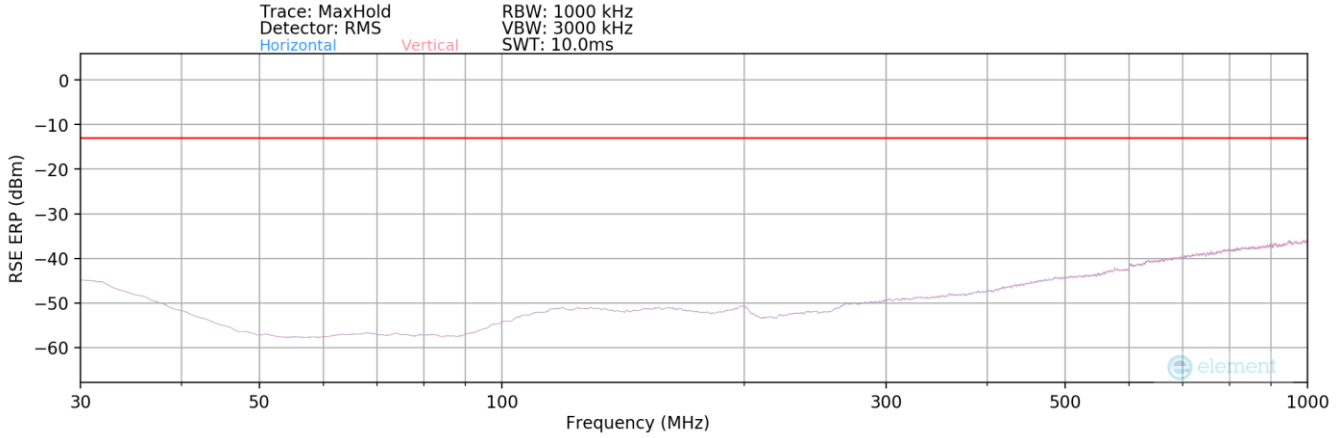
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	H	218	82	-75.02	8.25	40.23	-55.03	-13.00	-42.03
11790.00	H	-	-	-79.88	13.24	40.36	-54.90	-13.00	-41.90
15720.00	H	237	32	-75.60	17.31	48.71	-46.55	-13.00	-33.55

**Table 7-43. Radiated Spurious Data w/ Wireless Charging Pad (NR Band n77 - C-Band – SRS-1)**

<b>FCC ID:</b> A3LSMS916U	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2209010097-05.A3L	<b>Test Dates:</b> 10/08/2022 - 11/08/2022	<b>EUT Type:</b> Portable Handset	Page 184 of 202



## NR Band n77 (PC2) - C-Band – SRS-2



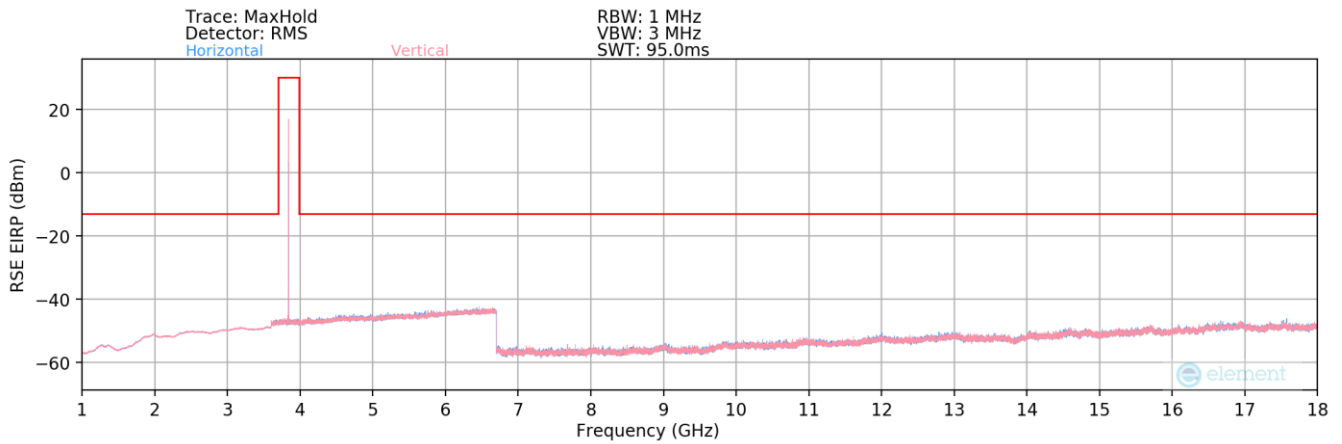
Plot 7-273. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band – SRS-2)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

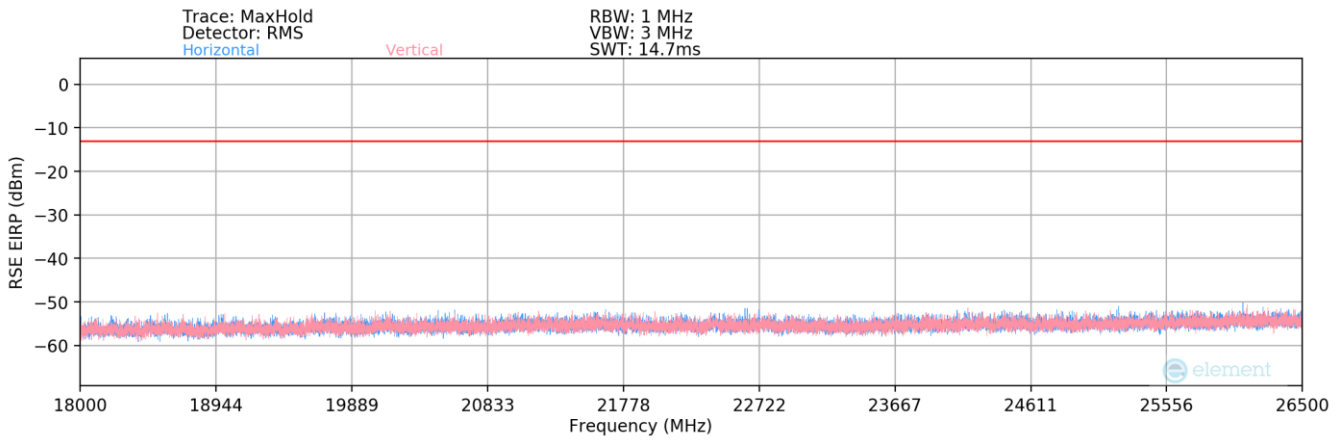
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
936.00	H	-	-	-85.19	31.47	53.28	-44.13	-13.00	-31.13

Table 7-44. Radiated Spurious Data – Below 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-2)

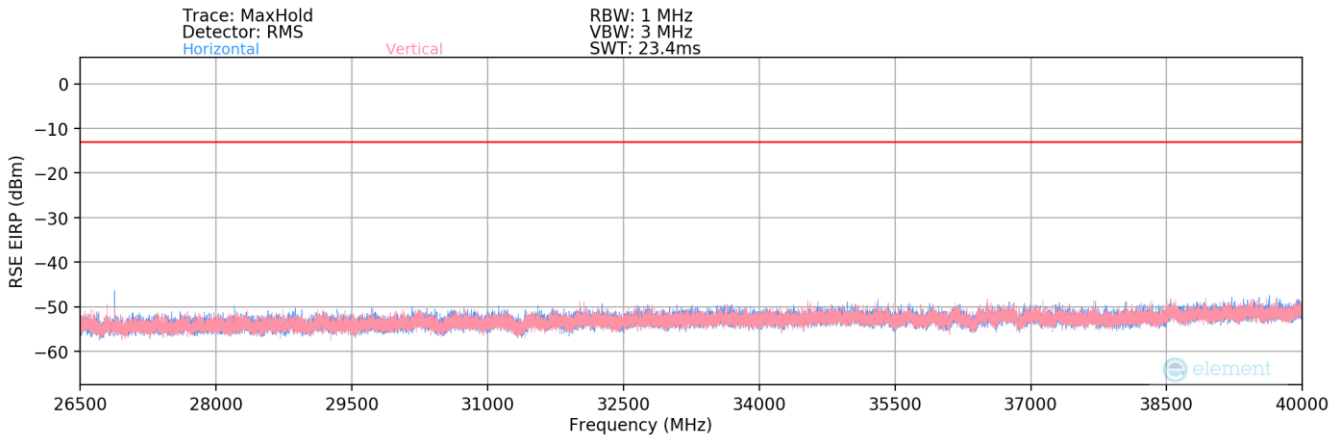
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 185 of 202



**Plot 7-274. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band – SRS-2)**



**Plot 7-275. Radiated Spurious Plot – 18-26.5GHz (NR Band n77 - C-Band – SRS-2)**



**Plot 7-276. Radiated Spurious Plot – 26.5-40GHz (NR Band n77 - C-Band – SRS-2)**

FCC ID: A3LSMS916U	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 186 of 202

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7500.00	H	362	299	-69.28	8.29	46.01	-49.25	-13.00	-36.25
11250.00	H	142	11	-75.78	12.21	43.43	-51.83	-13.00	-38.83
15000.00	H	-	-	-79.82	15.53	42.71	-52.55	-13.00	-39.55
18750.00	H	-	-	-56.94	1.83	51.89	-52.91	-13.00	-39.91
22500.00	H	-	-	-57.40	3.87	53.47	-51.33	-13.00	-38.33
26250.00	H	150	336	-47.68	4.76	64.08	-40.72	-13.00	-27.72
30000.00	H	-	-	-57.46	6.48	56.02	-48.78	-13.00	-35.78
33750.00	H	-	-	-57.02	7.67	57.65	-47.15	-13.00	-34.15

Table 7-45. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Low Channel – SRS-2)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	374	7	-71.22	7.48	43.26	-52.00	-13.00	-39.00
11520.00	H	154	15	-79.09	12.32	40.23	-55.02	-13.00	-42.02
15360.00	H	-	-	-79.16	16.02	43.86	-51.40	-13.00	-38.40
19200.00	H	-	-	-57.23	2.27	52.04	-52.76	-13.00	-39.76
23040.00	H	-	-	-56.97	3.76	53.79	-51.01	-13.00	-38.01
26880.00	H	150	317	-47.11	4.88	64.77	-40.03	-13.00	-27.03
30720.00	H	-	-	-57.29	6.53	56.24	-48.56	-13.00	-35.56
34560.00	H	-	-	-55.66	7.68	59.02	-45.78	-13.00	-32.78

Table 7-46. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-2)

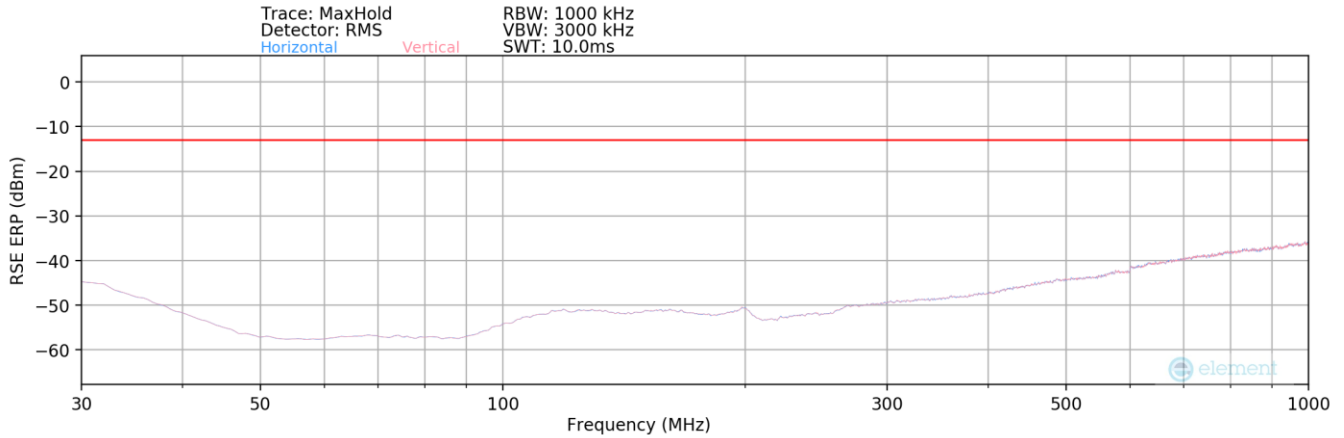
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7860.00	H	139	5	-74.20	8.25	41.05	-54.21	-13.00	-41.21
11790.00	H	156	355	-78.43	13.24	41.81	-53.45	-13.00	-40.45
15720.00	H	-	-	-79.65	17.31	44.66	-50.60	-13.00	-37.60
19650.00	H	-	-	-58.15	2.57	51.42	-53.38	-13.00	-40.38
23580.00	H	150	53	-57.62	3.80	53.18	-51.62	-13.00	-38.62
27510.00	H	150	320	-44.65	4.73	67.08	-37.72	-13.00	-24.72
31440.00	H	-	-	-57.58	6.56	55.98	-48.82	-13.00	-35.82
35370.00	H	-	-	-57.04	8.42	58.38	-46.42	-13.00	-33.42

Table 7-47. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – High Channel – SRS-2)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 187 of 202

### NR Band n77 (PC2) - C-Band – SRS-3



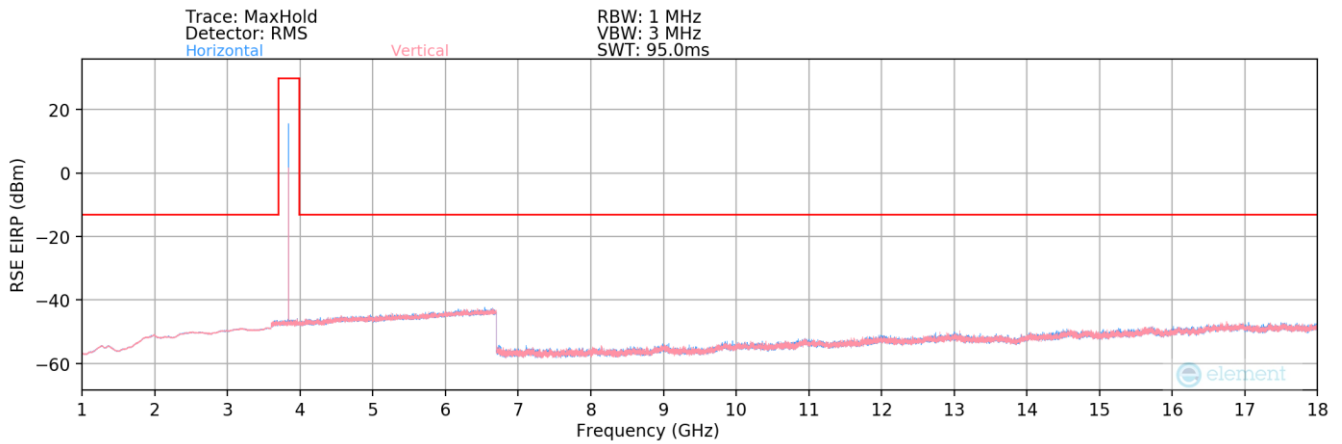
Plot 7-277. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band – SRS-3)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

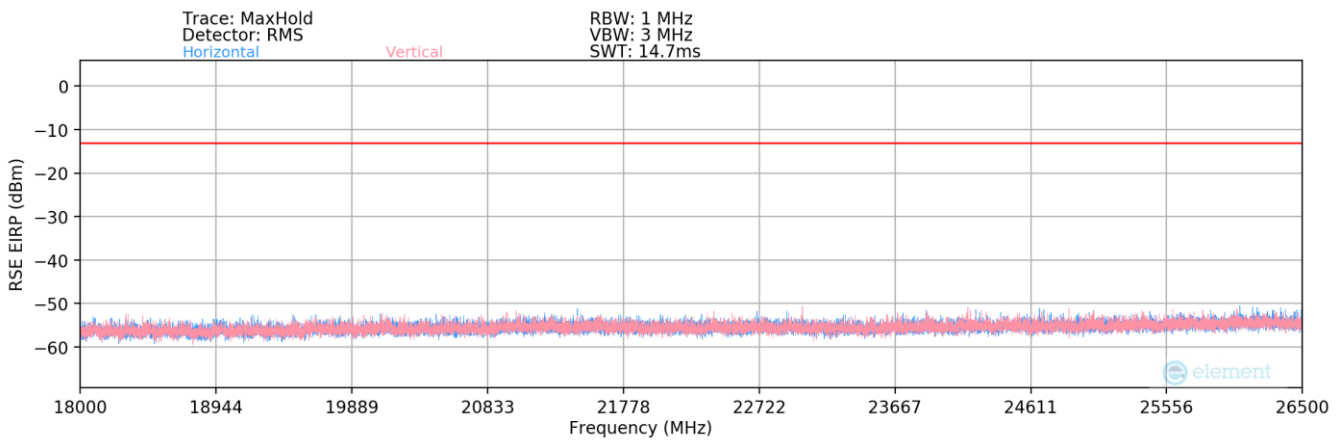
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
959.66	H	0	0	-82.30	31.79	56.49	-40.92	-13.00	-27.92

Table 7-48. Radiated Spurious Data – Below 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-3)

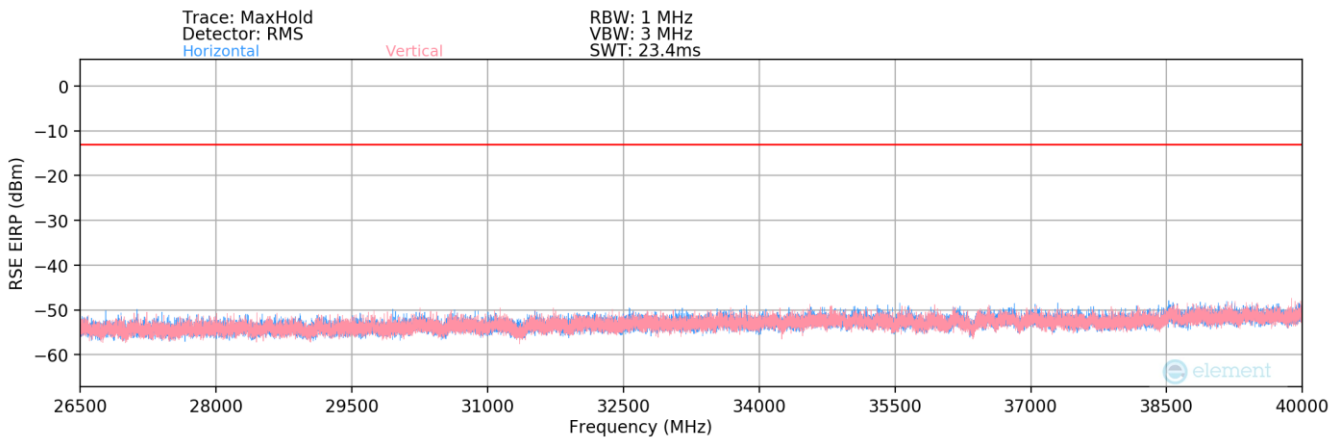
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 188 of 202



**Plot 7-278. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band – SRS-3)**



**Plot 7-279. Radiated Spurious Plot – 18-26.5GHz (NR Band n77 - C-Band – SRS-3)**



**Plot 7-280. Radiated Spurious Plot – 26.5-40GHz (NR Band n77 - C-Band – SRS-3)**

FCC ID: A3LSMS916U	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 189 of 202





Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7500.00	H	139	309	-74.80	7.52	39.72	-55.54	-13.00	-42.54
11250.00	H	-	-	-78.49	12.26	40.77	-54.49	-13.00	-41.49
15000.00	H	-	-	-79.61	16.42	43.81	-51.45	-13.00	-38.45

Table 7-49. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Low Channel – SRS-3)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	134	352	-74.17	7.38	40.21	-55.05	-13.00	-42.05
11520.00	H	-	-	-78.80	12.77	40.97	-54.29	-13.00	-41.29
15360.00	H	-	-	-79.30	15.48	43.18	-52.08	-13.00	-39.08

Table 7-50. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-3)

Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

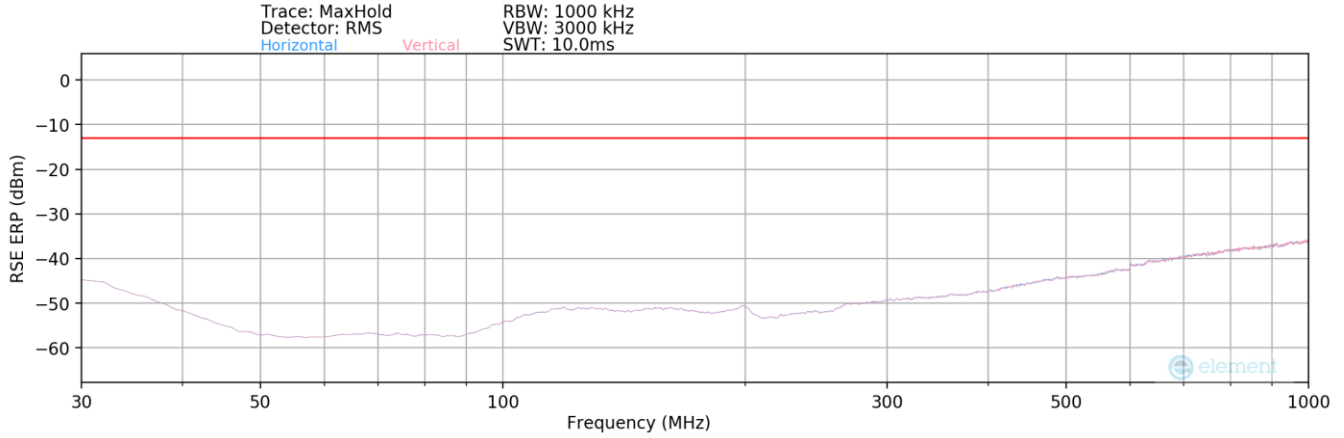
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	H	147	16	-76.84	7.93	38.09	-57.17	-13.00	-44.17
11790.00	H	-	-	-79.03	13.10	41.07	-54.19	-13.00	-41.19
15720.00	H	-	-	-79.67	16.03	43.36	-51.90	-13.00	-38.90

Table 7-51. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – High Channel – SRS-3)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 190 of 202



## NR Band n77 (PC2) - C-Band – SRS-4



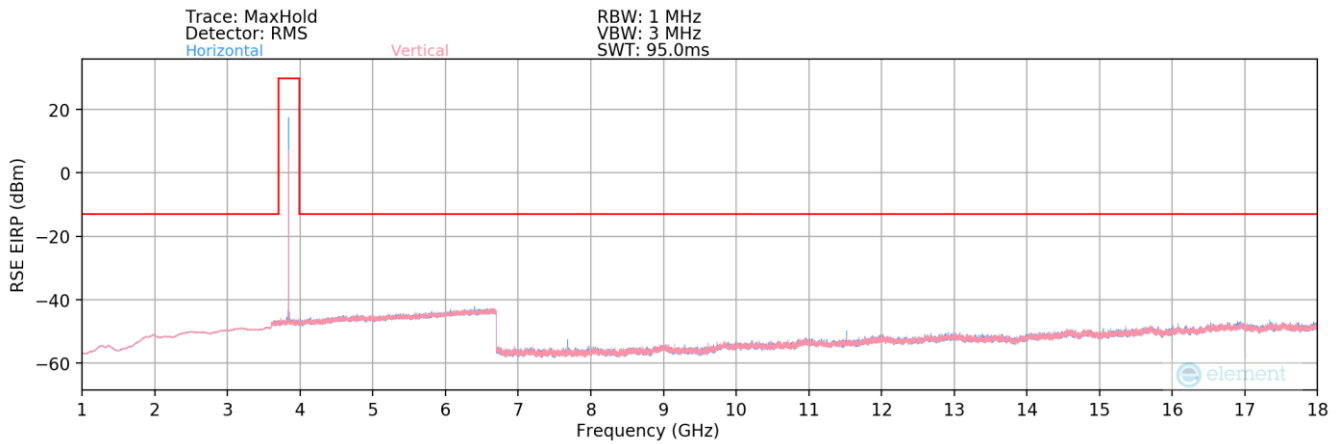
Plot 7-281. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band – SRS-4)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

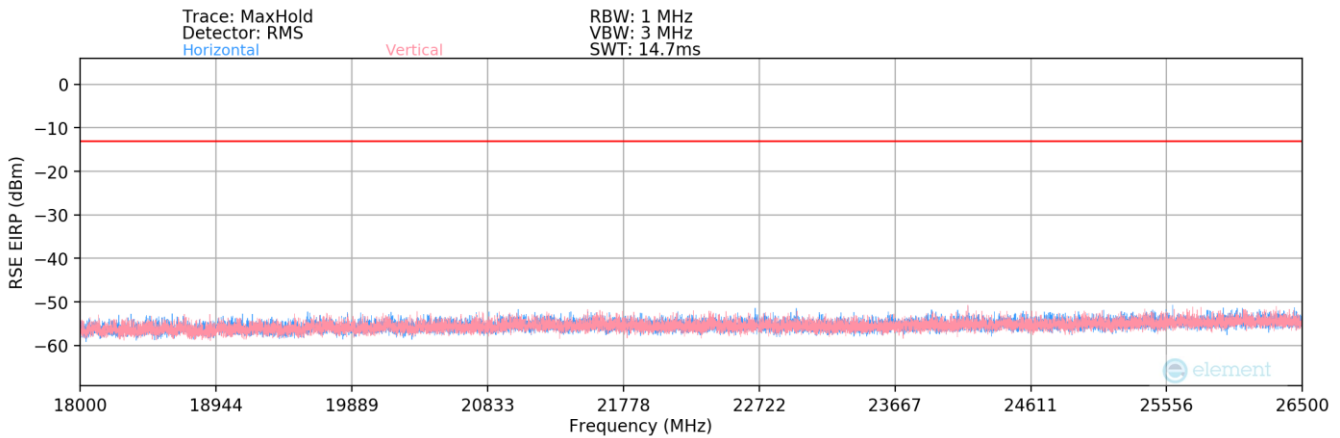
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
550.41	V	-	-	-84.25	26.67	49.42	-47.98	-13.00	-34.98

Table 7-52. Radiated Spurious Data – Below 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-4)

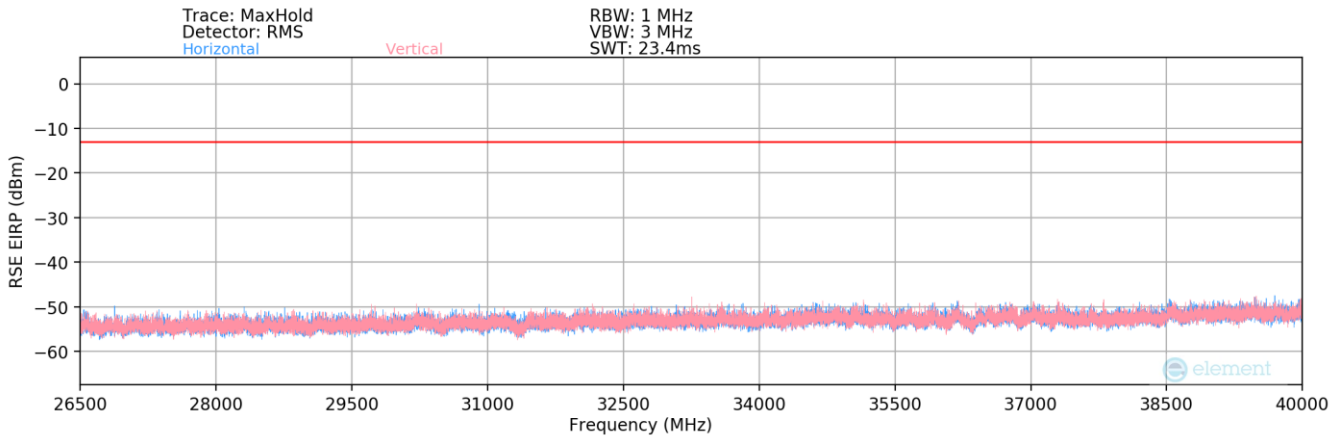
FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 191 of 202



**Plot 7-282. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band – SRS-4)**



**Plot 7-283. Radiated Spurious Plot – 18-26.5GHz (NR Band n77 - C-Band – SRS-4)**



**Plot 7-284. Radiated Spurious Plot – 26.5-40GHz (NR Band n77 - C-Band – SRS-4)**

FCC ID: A3LSMS916U	<b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
Test Report S/N: 1M2209010097-05.A3L	Test Dates: 10/08/2022 - 11/08/2022	EUT Type: Portable Handset	Page 192 of 202



Bandwidth (MHz):	100
Frequency (MHz):	3750.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7500.00	V	129	354	-73.80	8.29	41.49	-53.77	-13.00	-40.77
11250.00	V	308	9	-76.49	12.21	42.72	-52.54	-13.00	-39.54
15000.00	V	-	-	-79.64	15.53	42.89	-52.37	-13.00	-39.37
18750.00	V	-	-	-57.65	1.83	51.18	-53.62	-13.00	-40.62
22500.00	V	-	-	-57.67	3.87	53.20	-51.60	-13.00	-38.60
26250.00	V	150	40	-51.46	4.76	60.30	-44.50	-13.00	-31.50
30000.00	V	-	-	-57.96	6.48	55.52	-49.28	-13.00	-36.28
33750.00	V	-	-	-57.47	7.67	57.20	-47.60	-13.00	-34.60

Table 7-53. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Low Channel – SRS-4)

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	V	123	341	-69.82	7.48	44.66	-50.60	-13.00	-37.60
11520.00	V	277	355	-74.69	12.32	44.63	-50.62	-13.00	-37.62
15360.00	V	269	26	-76.68	16.02	46.34	-48.92	-13.00	-35.92
19200.00	V	-	-	-57.75	2.27	51.52	-53.28	-13.00	-40.28
23040.00	V	-	-	-57.93	3.76	52.83	-51.97	-13.00	-38.97
26880.00	V	150	310	-51.85	4.88	60.03	-44.77	-13.00	-31.77
30720.00	V	-	-	-57.16	6.53	56.37	-48.43	-13.00	-35.43
34560.00	V	-	-	-56.21	7.68	58.47	-46.33	-13.00	-33.33

Table 7-54. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-4)

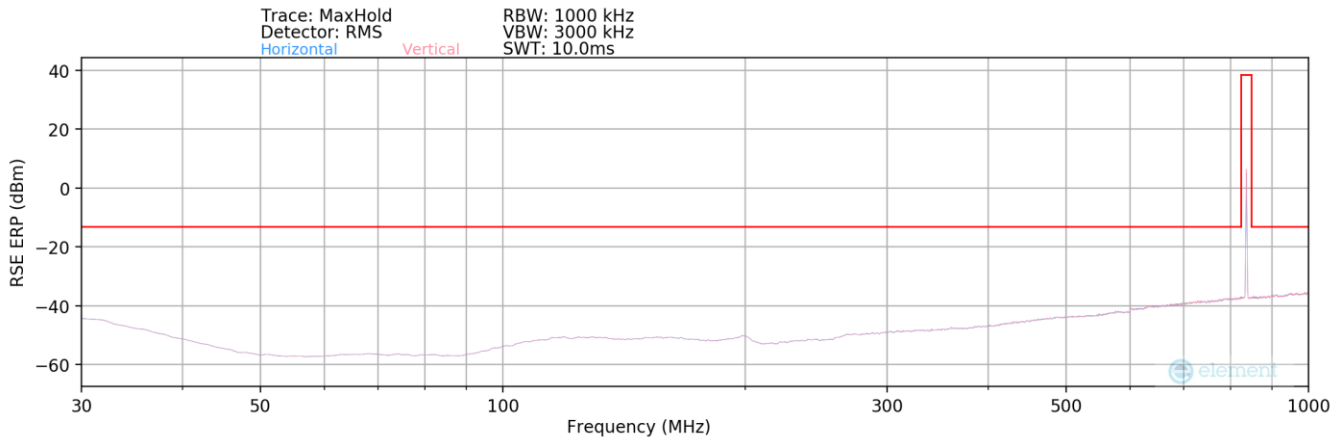
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	N/A

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]
7860.00	V	121	326	-71.73	8.25	43.52	-51.74	-13.00	-38.74
11790.00	V	209	9	-76.68	13.24	43.56	-51.70	-13.00	-38.70
15720.00	V	192	6	-78.62	17.31	45.69	-49.57	-13.00	-36.57
19650.00	V	-	-	-58.18	2.57	51.39	-53.41	-13.00	-40.41
23580.00	V	-	-	-57.96	3.80	52.84	-51.96	-13.00	-38.96
27510.00	V	150	20	-48.65	4.73	63.08	-41.72	-13.00	-28.72
31440.00	V	-	-	-58.14	6.56	55.42	-49.38	-13.00	-36.38
35370.00	V	-	-	-57.84	8.42	57.58	-47.22	-13.00	-34.22

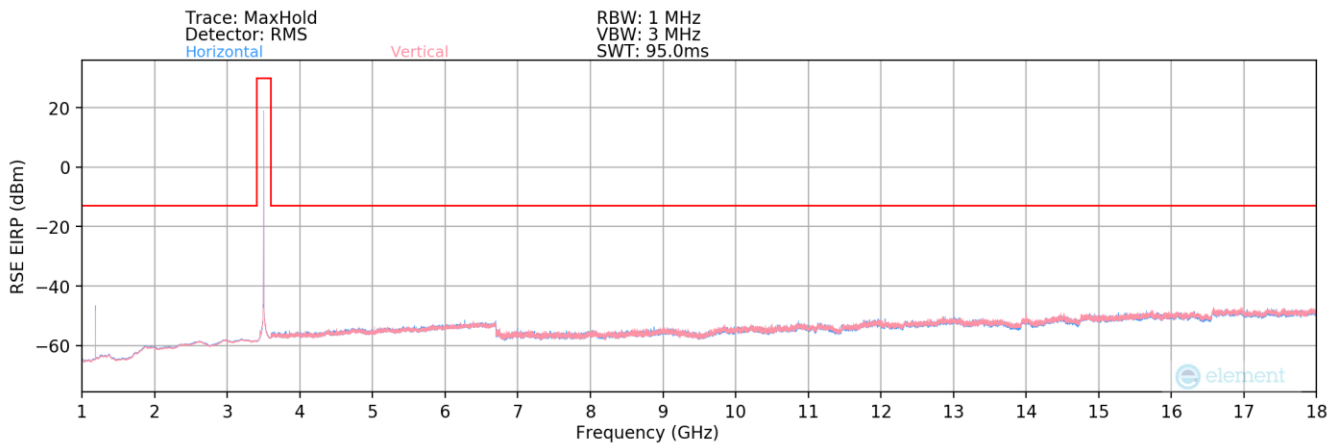
Table 7-55. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – High Channel – SRS-4)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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# EN-DC – n77 (PC2) - DoD Band + B5



**Plot 7-285. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - DoD Band + EN-DC Anchor B5)**



**Plot 7-286. Radiated Spurious Plot – 1-18GHz (NR Band n77 - DoD Band + EN-DC Anchor B5)**

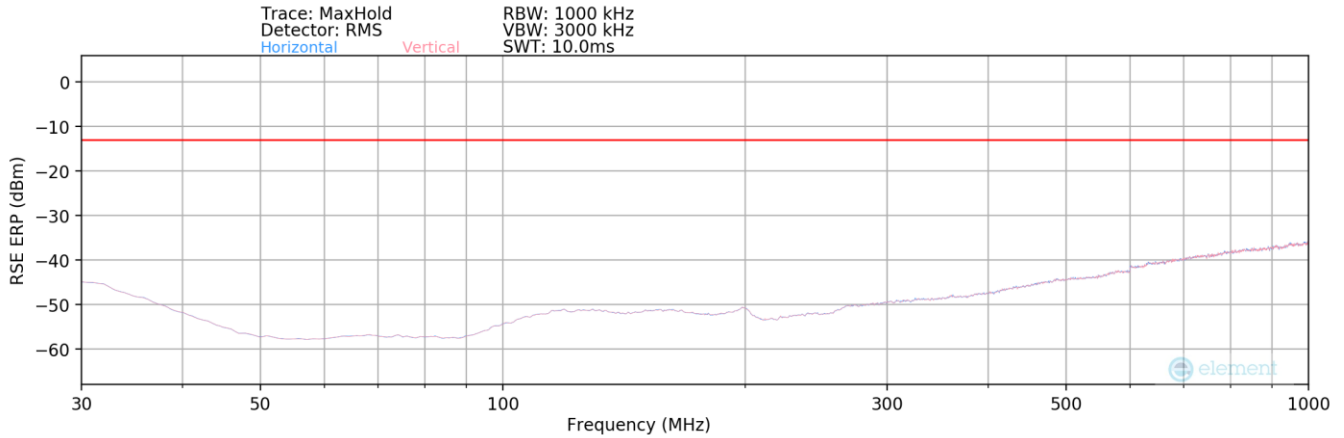
<b>Bandwidth (MHz):</b>	100 & 10
<b>Frequency (MHz):</b>	3500.01 & 836.5
<b>RB / Offset:</b>	1 / 136 & 1/25
<b>Mode:</b>	EN-DC
<b>Anchor Band:</b>	B5

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]
682.49	H	-	-	-84.54	28.62	51.08	-44.17	-13.00	-31.17
1185.50	H	193	344	-33.08	-3.91	70.01	-25.24	-13.00	-12.24
5481.03	H	-	-	-78.80	5.35	33.55	-61.70	-13.00	-48.70
10654.04	H	-	-	-79.98	12.19	39.21	-56.05	-13.00	-43.05
13846.03	H	-	-	-80.13	13.86	40.73	-64.07	-13.00	-51.07

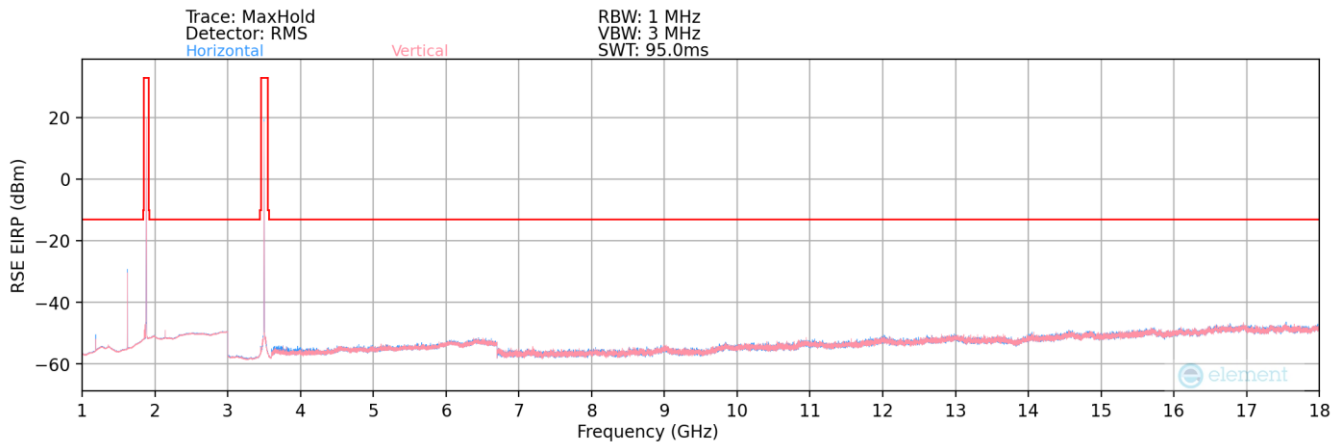
**Table 7-56. Radiated Spurious Data (NR Band n77 - DoD Band + EN-DC Anchor B5)**

<b>FCC ID:</b> A3LSMS916U	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2209010097-05.A3L	<b>Test Dates:</b> 10/08/2022 - 11/08/2022	<b>EUT Type:</b> Portable Handset	Page 194 of 202

## EN-DC – n77 (PC2) - DoD Band + B2



Plot 7-287. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - DoD Band + EN-DC Anchor B2)



Plot 7-288. Radiated Spurious Plot – 1-18GHz (NR Band n77 - DoD Band + EN-DC Anchor B2)

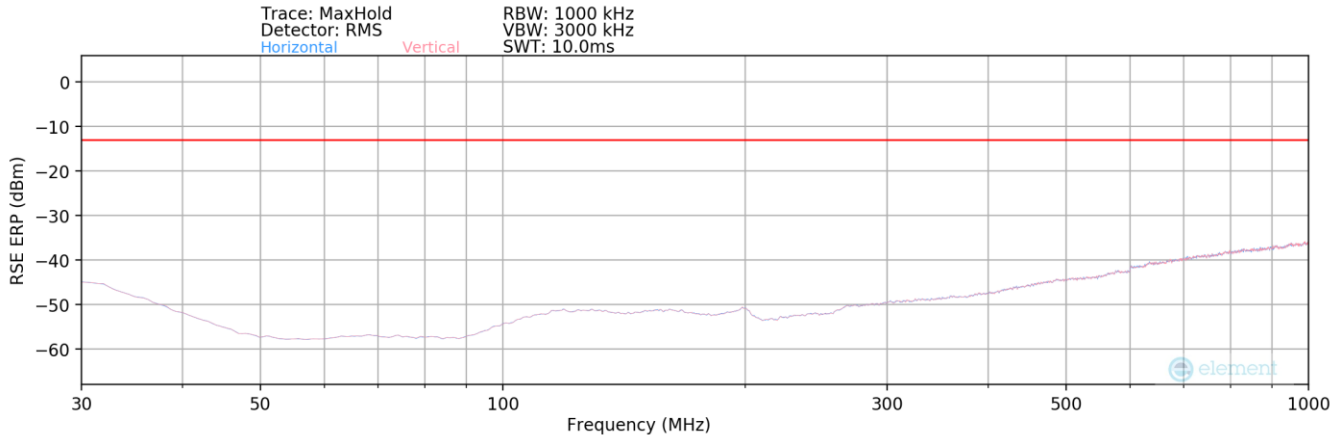
Bandwidth (MHz):	100 & 20
Frequency (MHz):	3500.01 & 1880
RB / Offset:	1 / 136 & 1 / 50
Mode:	EN-DC
Anchor Band:	LTE B2

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]
520.00	V	-	-	-84.04	26.35	49.31	-45.95	-13.00	-32.95
1360.00	V	141	40	-74.69	-2.67	29.64	-65.62	-13.00	-52.62
1620.00	V	131	42	-51.19	-4.02	51.79	-43.47	-13.00	-30.47
2140.00	V	134	266	-71.55	-0.06	35.39	-59.87	-13.00	-46.87
3760.00	V	-	-	-76.42	3.17	33.75	-71.05	-13.00	-58.05
5640.00	V	-	-	-78.69	5.18	33.49	-71.31	-13.00	-58.31
7000.00	V	-	-	-78.71	6.92	35.21	-69.59	-13.00	-56.59

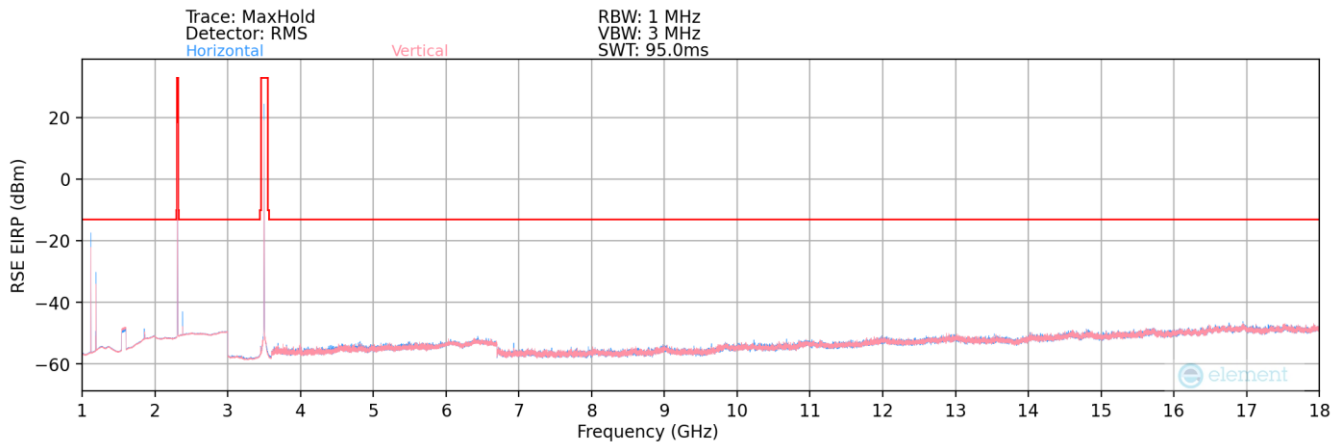
Table 7-57. Radiated Spurious Data (NR Band n77 - DoD Band + EN-DC Anchor B2)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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## EN-DC – n77 (PC2) - DoD Band + B30



Plot 7-289. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - DoD Band + EN-DC Anchor B30)



Plot 7-290. Radiated Spurious Plot – 1-18GHz (NR Band n77 - DoD Band + EN-DC Anchor B30)

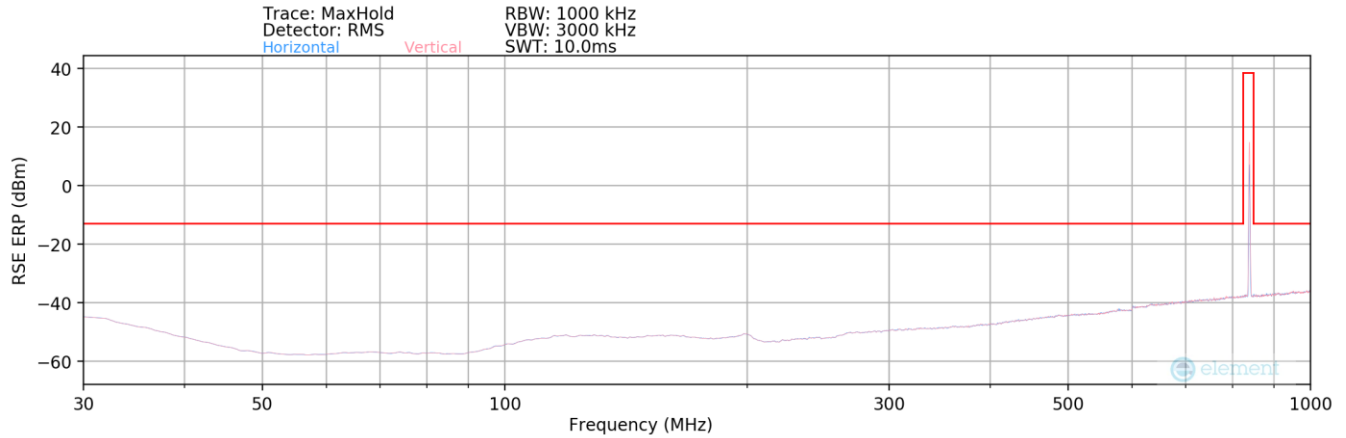
Bandwidth (MHz):	100 & 10
Frequency (MHz):	3500.01 & 2310
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	LTE B30

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	H	-	-	-84.27	19.67	42.40	-52.86	-13.00	-39.86
1120.00	H	162	346	-35.40	-4.79	66.81	-28.45	-13.00	-15.45
1190.00	H	198	346	-47.41	-3.87	55.72	-39.54	-13.00	-26.54
2380.00	H	164	346	-63.59	0.83	44.24	-51.02	-13.00	-38.02
4620.00	H	-	-	-80.38	4.56	31.18	-73.62	-13.00	-60.62
6930.00	H	-	-	-78.79	7.20	35.41	-69.39	-13.00	-56.39
7000.00	H	-	-	-78.72	6.92	35.20	-69.60	-13.00	-56.60

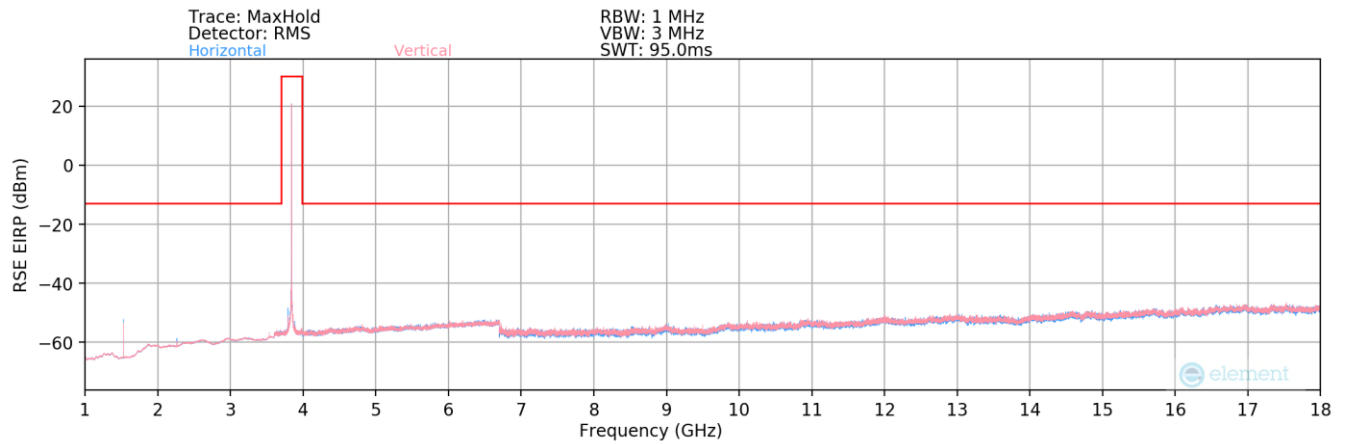
Table 7-58. Radiated Spurious Data (NR Band n77 - DoD Band + EN-DC Anchor B30)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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## EN-DC – n77 (PC2) - C-Band + B5



Plot 7-291. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band + EN-DC Anchor B5)



Plot 7-292. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band + EN-DC Anchor B5)

Bandwidth (MHz):	100 & 10
Frequency (MHz):	3840 & 836.5
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	LTE 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]
494.00	H	-	-	-100.95	25.74	31.79	-63.47	-13.00	-50.47
1330.50	H	-	-	-77.10	-3.02	26.88	-68.38	-13.00	-55.38
2167.00	H	186	198	-76.25	-0.16	30.59	-64.67	-13.00	-51.67
6843.50	H	247	39	-77.42	7.13	36.71	-68.09	-13.00	-55.09
7186.00	H	-	-	-79.89	7.53	34.64	-70.16	-13.00	-57.16

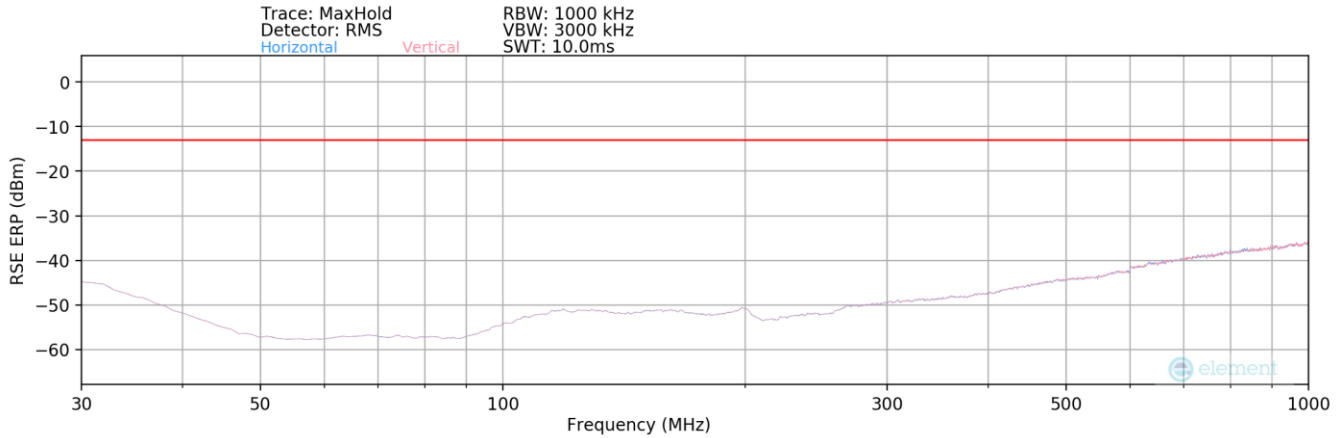
Table 7-59. Radiated Spurious Data (NR Band n77 - C-Band + EN-DC Anchor B5)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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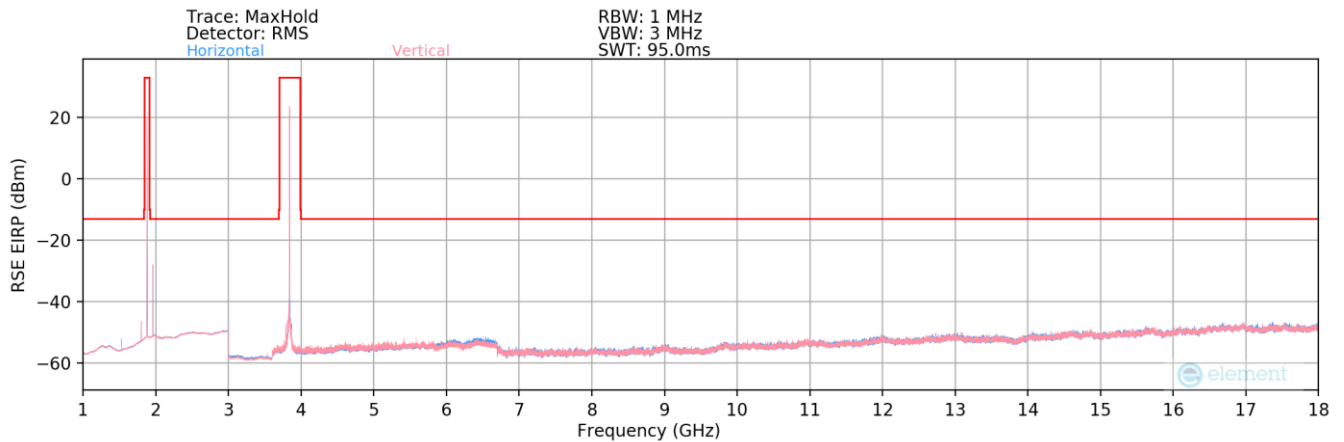




## EN-DC – n77 (PC2) - C-Band + B2



Plot 7-293. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band + EN-DC Anchor B2)



Plot 7-294. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band + EN-DC Anchor B2)

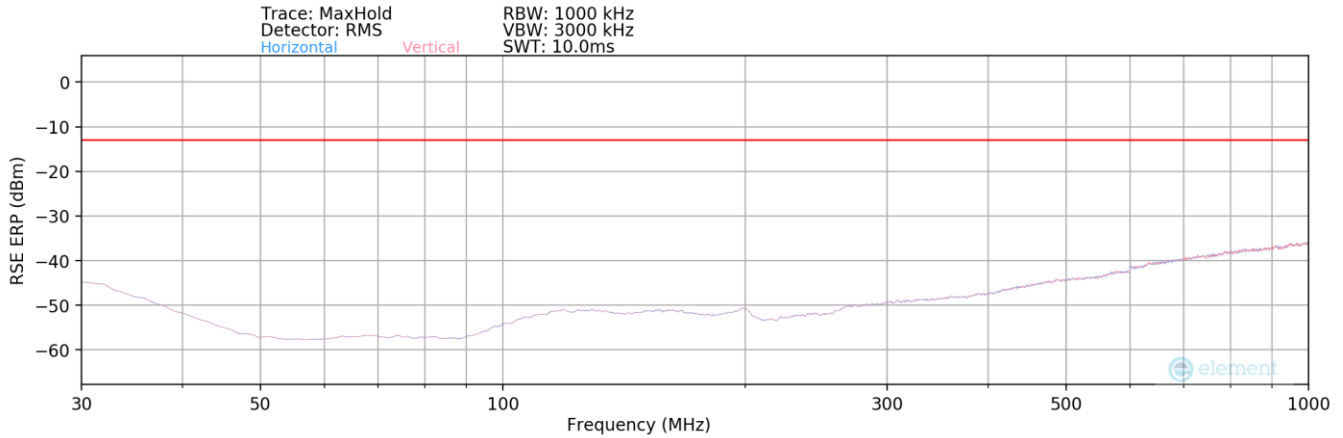
Bandwidth (MHz):	100 & 20
Frequency (MHz):	3840 & 1880
RB / Offset:	1 / 136 & 1 / 50
Mode:	EN-DC
Anchor Band:	LTE B2

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]
240.00	V	-	-	-84.16	19.02	41.86	-53.40	-13.00	-40.40
1800.00	V	132	343	-57.82	-1.42	47.76	-47.50	-13.00	-34.50
1960.00	V	131	343	-43.08	-0.37	63.55	-31.70	-13.00	-18.70
3760.00	V	290	352	-70.90	3.17	39.27	-65.53	-13.00	-52.53
5640.00	V	-	-	-78.91	5.18	33.27	-71.53	-13.00	-58.53
7680.00	V	-	-	-78.45	7.43	35.98	-68.82	-13.00	-55.82

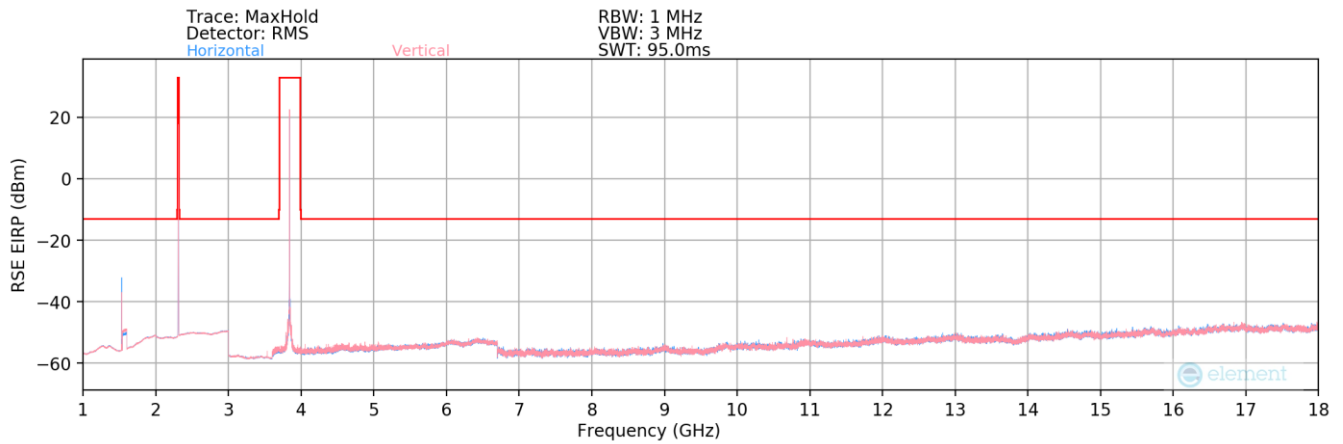
Table 7-60. Radiated Spurious Data (NR Band n77 - C-Band + EN-DC Anchor B2)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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## EN-DC – n77 (PC2) - C-Band + B30



Plot 7-295. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band + EN-DC Anchor B30)



Plot 7-296. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band + EN-DC Anchor B30)

Bandwidth (MHz):	100 & 10
Frequency (MHz):	3840 & 2310
RB / Offset:	1 / 136 & 1 / 25
Mode:	EN-DC
Anchor Band:	LTE B30

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]
780.00	H	-	-	-84.04	29.41	52.37	-42.88	-13.00	-29.88
1530.00	H	197	351	-43.74	5.09	68.35	-26.91	-13.00	-13.91
2280.00	H	-	-	-75.90	9.26	40.36	-54.90	-13.00	-41.90
3060.00	H	-	-	-77.22	3.18	32.96	-71.84	-13.00	-58.84
4620.00	H	-	-	-77.66	4.56	33.90	-70.90	-13.00	-57.90

Table 7-61. Radiated Spurious Data (NR Band n77 - C-Band + EN-DC Anchor B30)

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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## 7.9 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

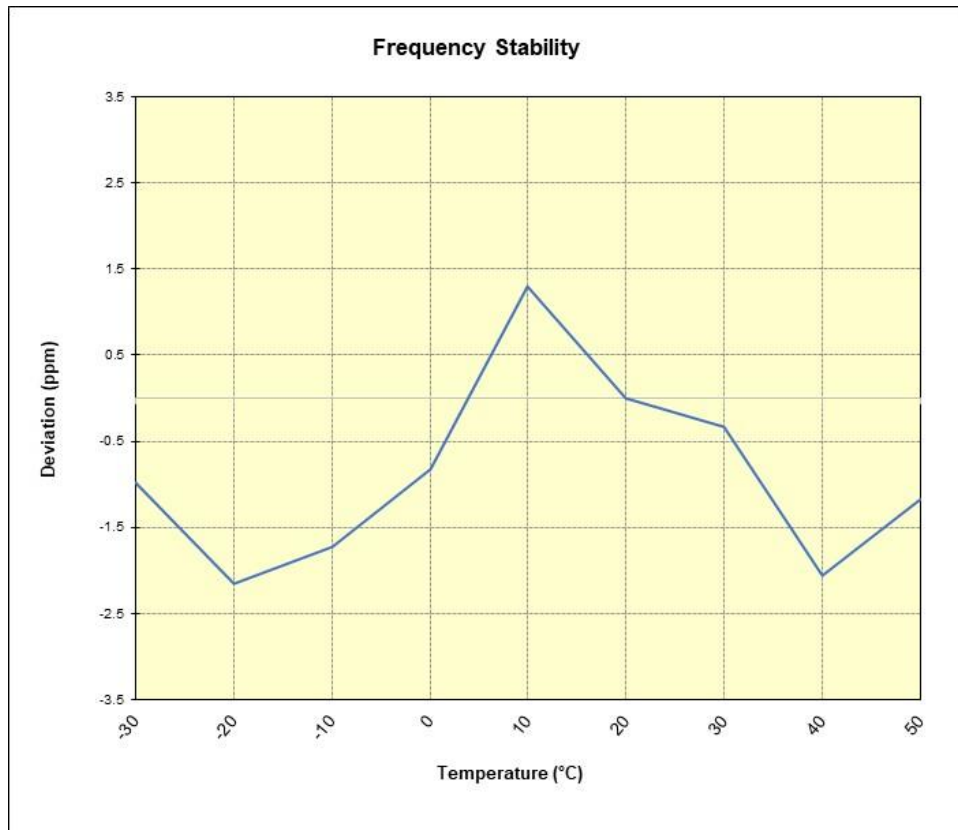
None

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## NR Band n77 (PC2)

NR Band n77					
Operating Frequency (Hz):		3,840,000,000			
Ref. Voltage (VDC):		4.35			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.35	- 30	3,840,044,855	-3,768	-0.0000981
		- 20	3,840,040,330	-8,293	-0.0002160
		- 10	3,840,041,976	-6,647	-0.0001731
		0	3,840,045,481	-3,142	-0.0000818
		+ 10	3,840,053,610	4,987	0.0001299
		+ 20 (Ref)	3,840,048,623	0	0.0000000
		+ 30	3,840,047,357	-1,266	-0.0000330
		+ 40	3,840,040,698	-7,925	-0.0002064
		+ 50	3,840,044,129	-4,494	-0.0001170
Battery Endpoint	3.69	+ 20	3,840,040,614	-8,009	-0.0002086

Table 7-62. NR Band n77 (C-Band) - Frequency Stability Data



Plot 7-297. NR Band n77 (C-Band) - Frequency Stability Chart

FCC ID: A3LSMS916U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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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: A3LSMS916U** complies with all the requirements of Part 27 of the FCC rules.

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<b>Test Report S/N:</b> 1M2209010097-05.A3L	<b>Test Dates:</b> 10/08/2022 - 11/08/2022	<b>EUT Type:</b> Portable Handset	Page 202 of 202