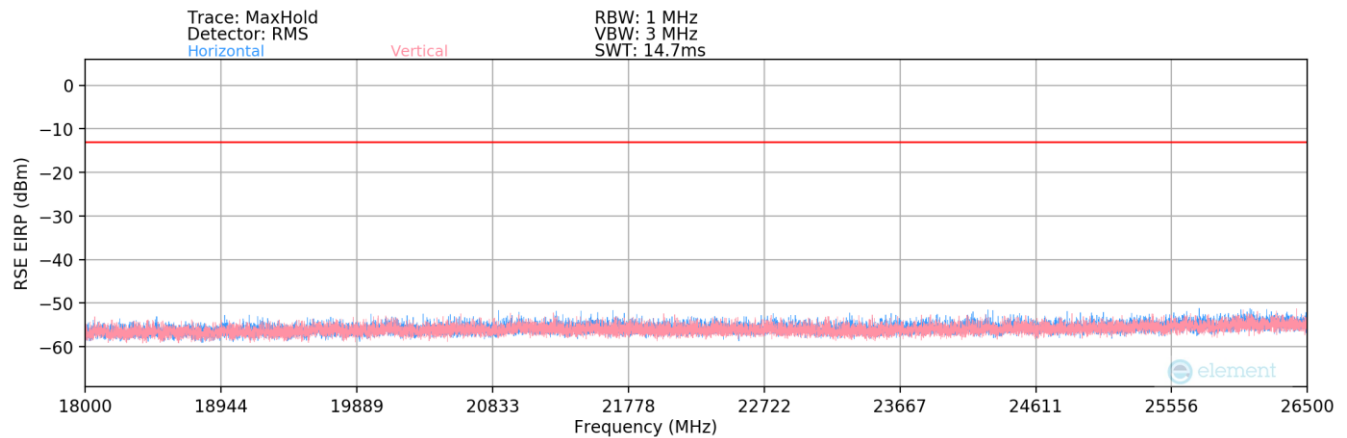
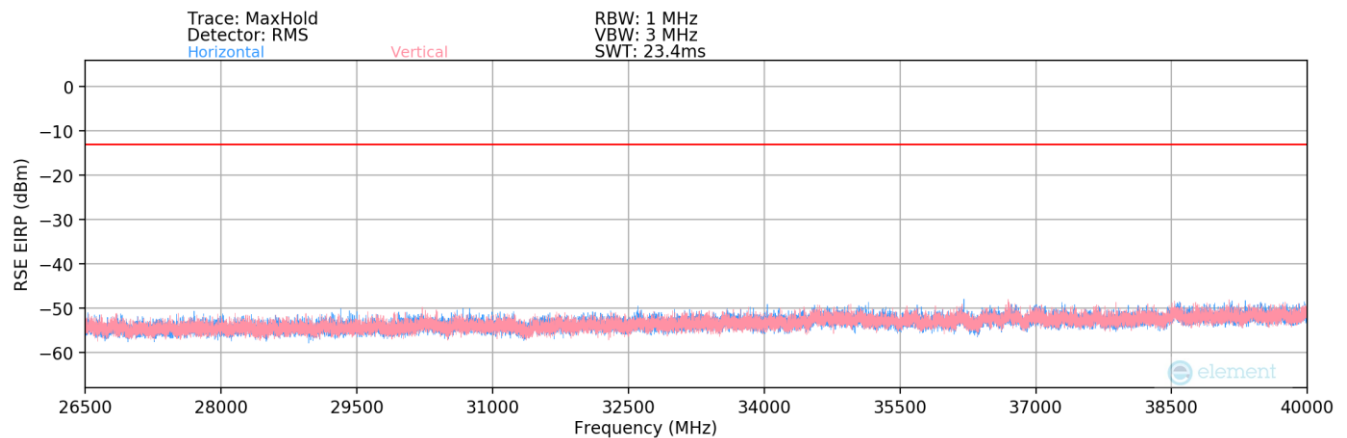


Plot 7-270. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band – SRS-1)



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: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 180 of 199

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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7500.00	V	122	203	-71.09	8.29	44.20	-51.06	-13.00	-38.06
11250.00	V	125	176	-73.38	12.21	45.83	-49.43	-13.00	-36.43
15000.00	V	-	-	-79.60	15.53	42.93	-52.33	-13.00	-39.33
18750.00	V	-	-	-57.67	1.83	51.16	-53.64	-13.00	-40.64

Table 7-37. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	V	123	209	-68.27	7.48	46.21	-49.05	-13.00	-36.05
11520.00	V	400	27	-69.55	12.32	49.77	-45.48	-13.00	-32.48
15360.00	V	-	-	-78.56	16.02	44.46	-50.80	-13.00	-37.80
19200.00	V	-	-	-58.74	2.27	50.53	-54.27	-13.00	-41.27

Table 7-38. 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 [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7860.00	V	274	219	-73.09	8.25	42.16	-53.10	-13.00	-40.10
11790.00	V	125	183	-67.59	13.24	52.65	-42.61	-13.00	-29.61
15720.00	V	-	-	-80.41	17.31	43.90	-51.36	-13.00	-38.36
19650.00	V	-	-	-57.92	2.57	51.65	-53.15	-13.00	-40.15

Table 7-39. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – High Channel – SRS-1)

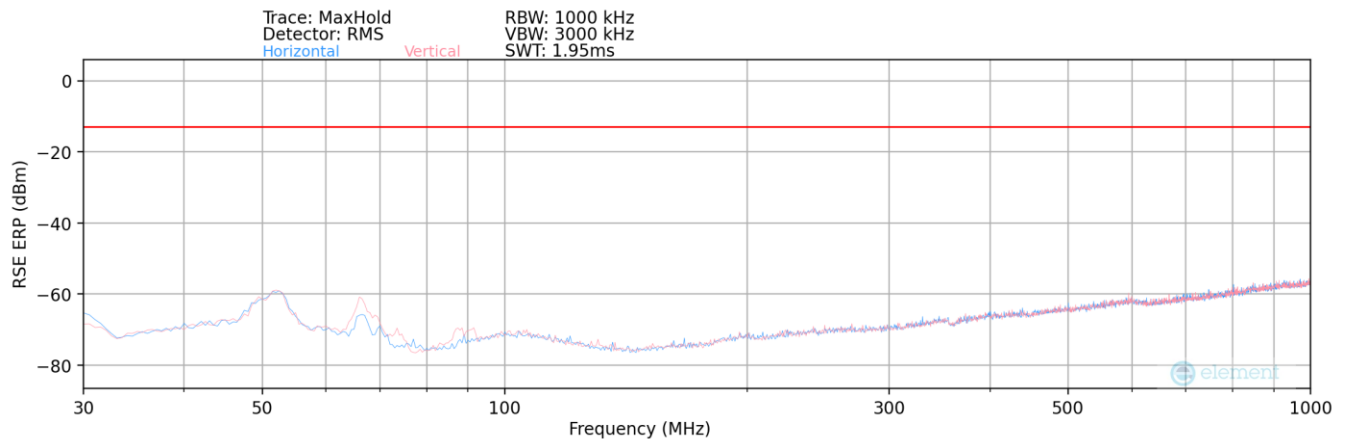
Case:	w/ Wireless Charging Pad
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

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	162	352	-77.72	7.48	36.76	-58.50	-13.00	-45.50
11520.00	V	162	42	-74.81	12.32	44.51	-50.74	-13.00	-37.74
15360.00	V	-	-	-80.19	16.02	42.83	-52.43	-13.00	-39.43
19200.00	V	-	-	-56.74	2.27	52.53	-52.27	-13.00	-39.27
23040.00	V	-	-	-58.56	3.76	52.20	-52.60	-13.00	-39.60
26880.00	V	-	-	-58.01	4.88	53.87	-50.93	-13.00	-37.93

Table 7-40. Radiated Spurious Data w/ Wireless Charging Pad (NR Band n77 - C-Band – SRS-1)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset		Page 181 of 199

NR Band n77 (PC2) - C-Band – SRS-2



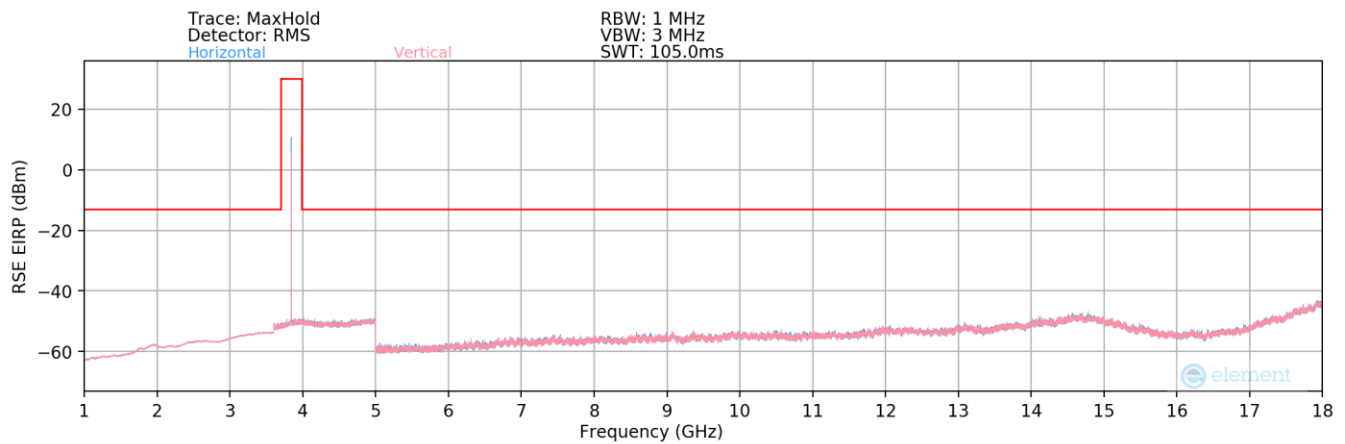
Plot 7-273. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band – SRS-2)

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

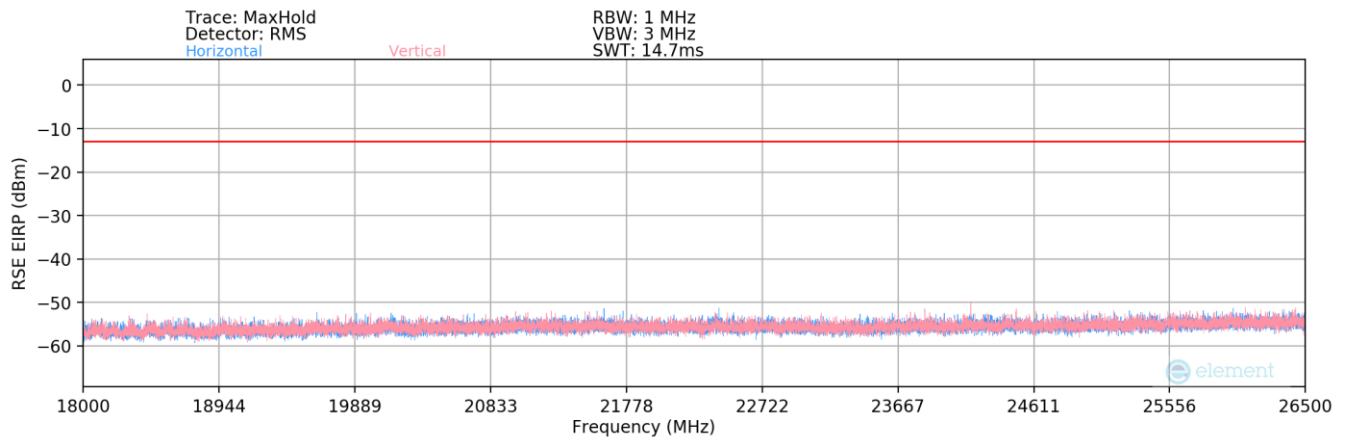
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
54.00	V	-	-	-60.87	-14.41	31.72	-65.69	-13.00	-52.69
142.00	V	-	-	-70.72	-20.39	15.89	-81.52	-13.00	-68.52
680.00	V	-	-	-70.31	-6.85	29.84	-67.56	-13.00	-54.56

Table 7-41. Radiated Spurious Data – Below 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-2)

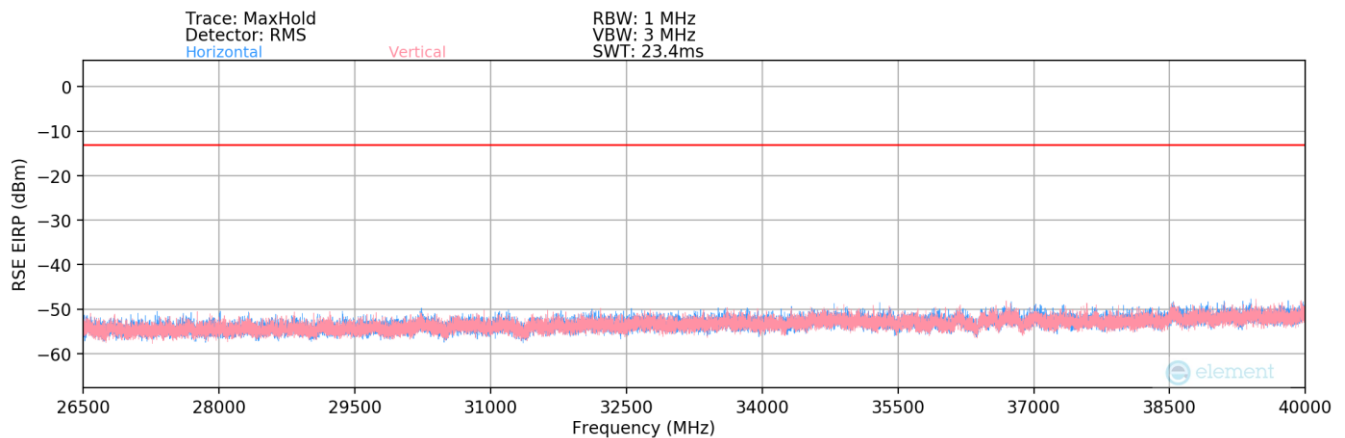
FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset		Page 182 of 199



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: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 183 of 199

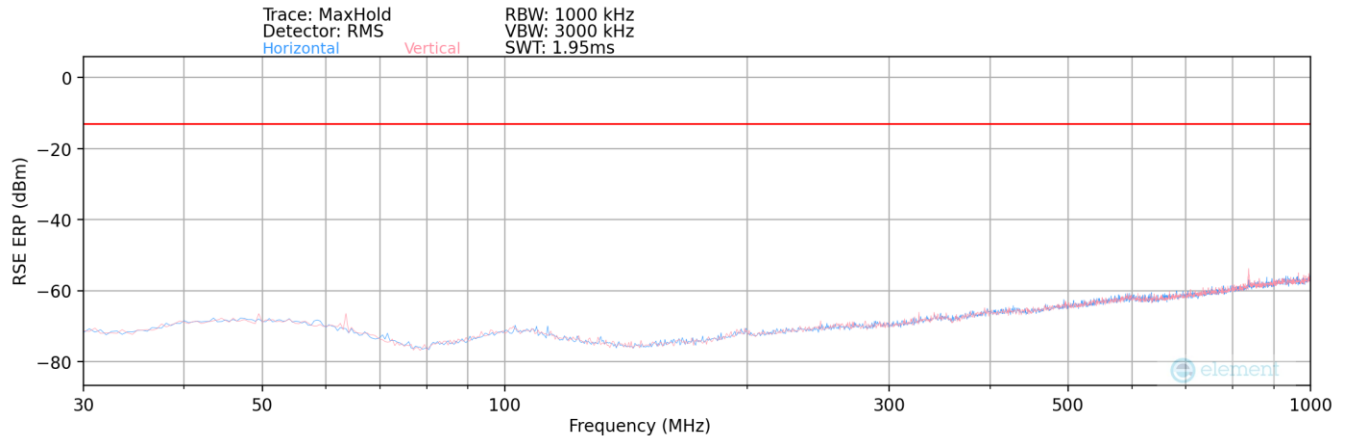
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

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	165	24	-63.56	4.71	48.15	-47.10	-13.00	-34.10
11520.00	H	113	347	-65.31	8.51	50.20	-45.06	-13.00	-32.06
15360.00	H	-	-	-65.61	11.45	52.84	-42.41	-13.00	-29.41
19200.00	H	-	-	-57.52	2.27	51.75	-53.05	-13.00	-40.05

Table 7-42. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-2)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 184 of 199

NR Band n77 (PC2) - C-Band – SRS-3



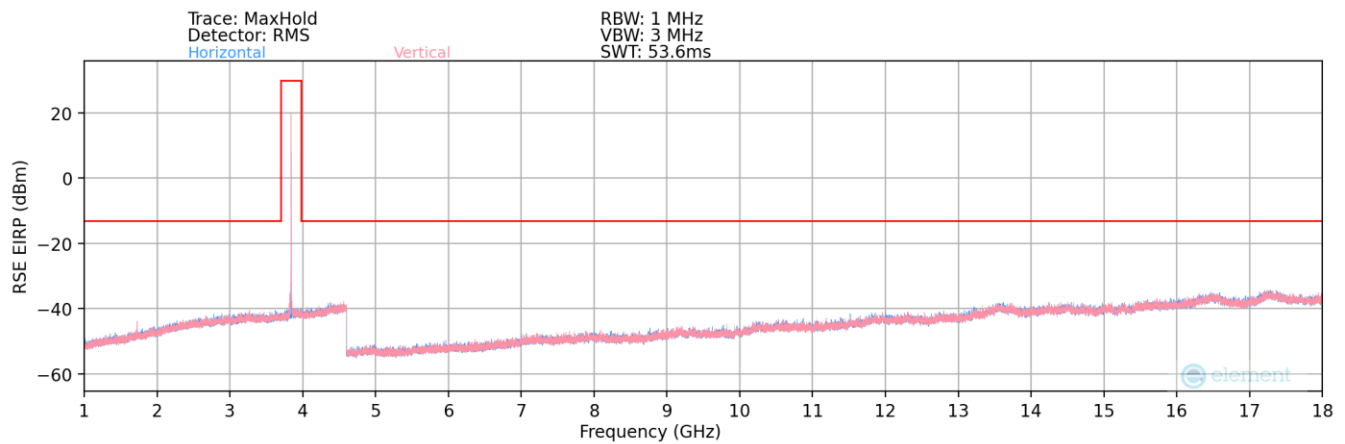
Plot 7-277. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band – SRS-3)

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

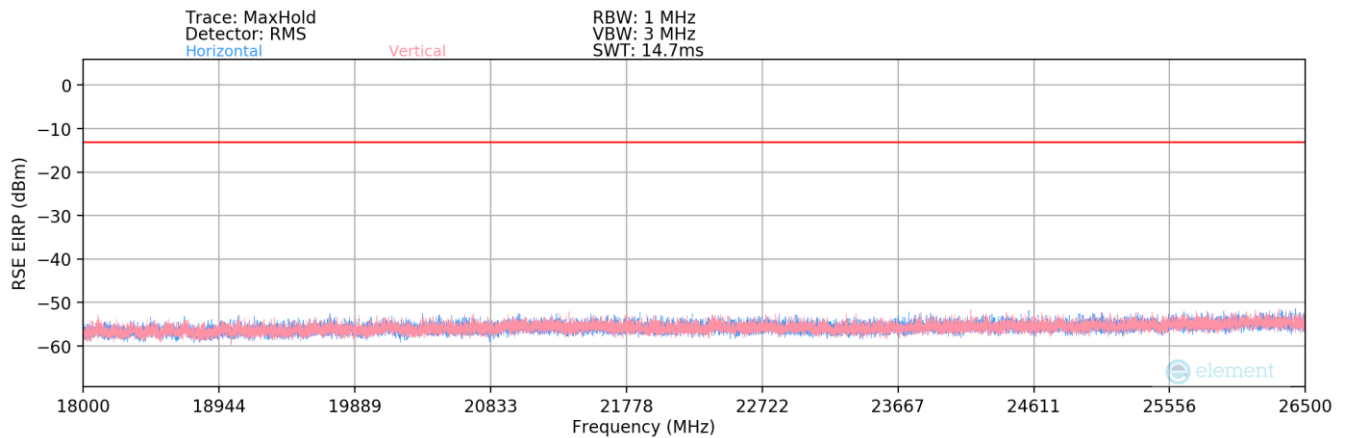
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
54.00	V	-	-	-61.23	-14.41	31.36	-66.05	-13.00	-53.05
142.00	V	-	-	-73.00	-20.39	13.61	-83.80	-13.00	-70.80
680.00	V	-	-	-71.14	-6.85	29.01	-68.39	-13.00	-55.39

Table 7-43. Radiated Spurious Data – Below 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-3)

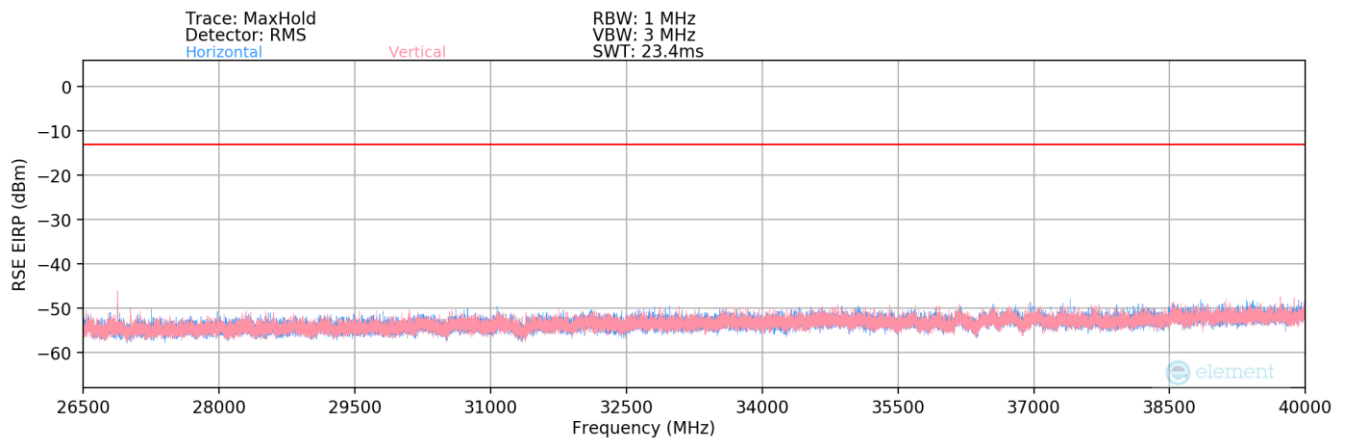
FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 185 of 199



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: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 186 of 199

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

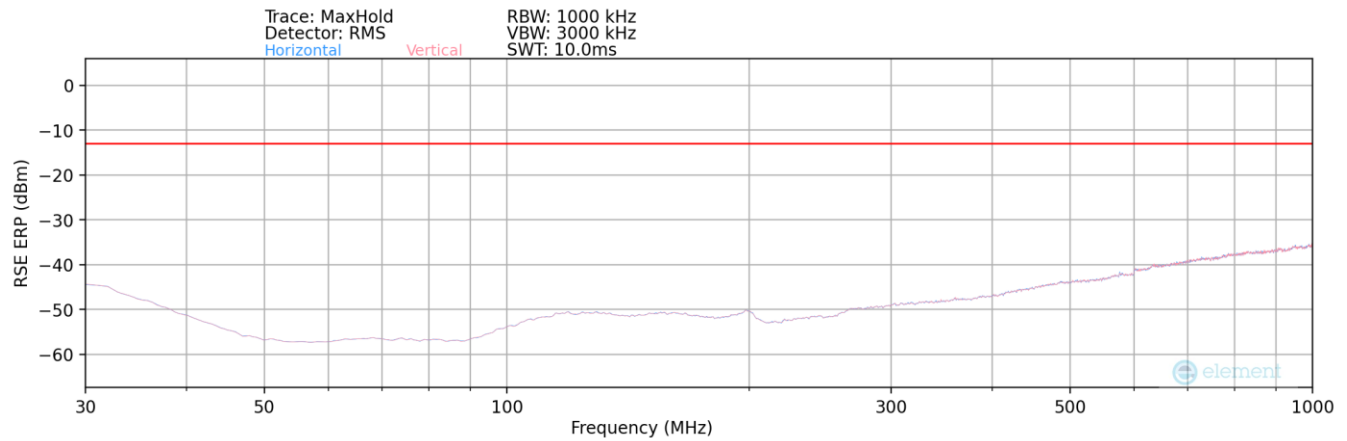
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
7680.00	H	162	62	-61.77	4.71	49.94	-45.31	-13.00	-32.31
11520.00	H	150	74	-63.86	8.51	51.65	-43.61	-13.00	-30.61
15360.00	H	-	-	-65.13	11.45	53.32	-41.93	-13.00	-28.93
19200.00	H	150	329	-58.12	2.27	51.15	-53.65	-13.00	-40.65
23040.00	H	-	-	-58.39	3.76	52.37	-52.43	-13.00	-39.43
26880.00	H	150	336	-53.51	4.88	58.37	-46.43	-13.00	-33.43
30720.00	H	-	-	-57.54	6.53	55.99	-48.81	-13.00	-35.81
34560.00	H	-	-	-56.96	7.68	57.72	-47.08	-13.00	-34.08

Table 7-44. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-3)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 187 of 199



NR Band n77 (PC2) - C-Band – SRS-4



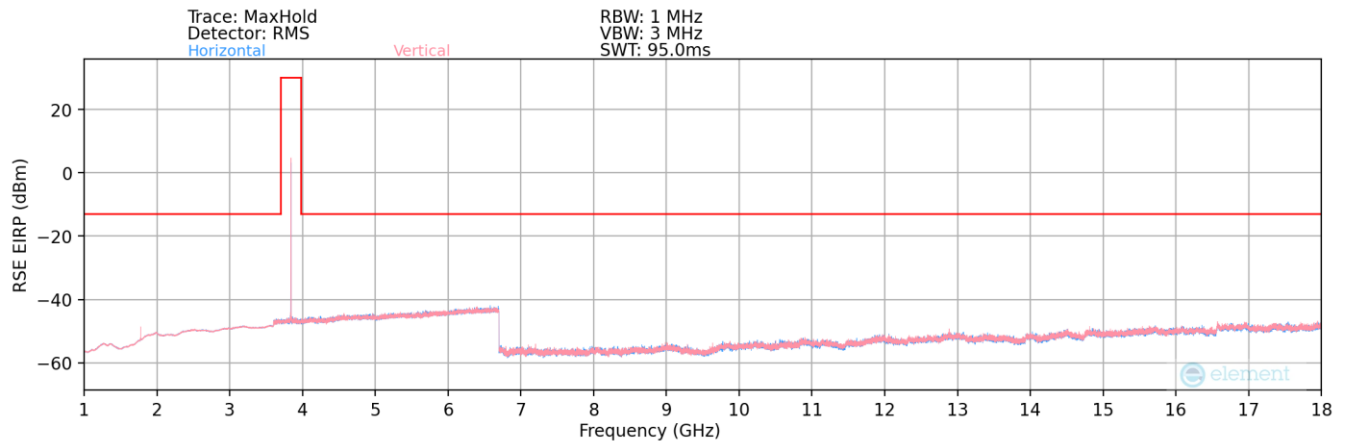
Plot 7-281. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band – SRS-4)

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

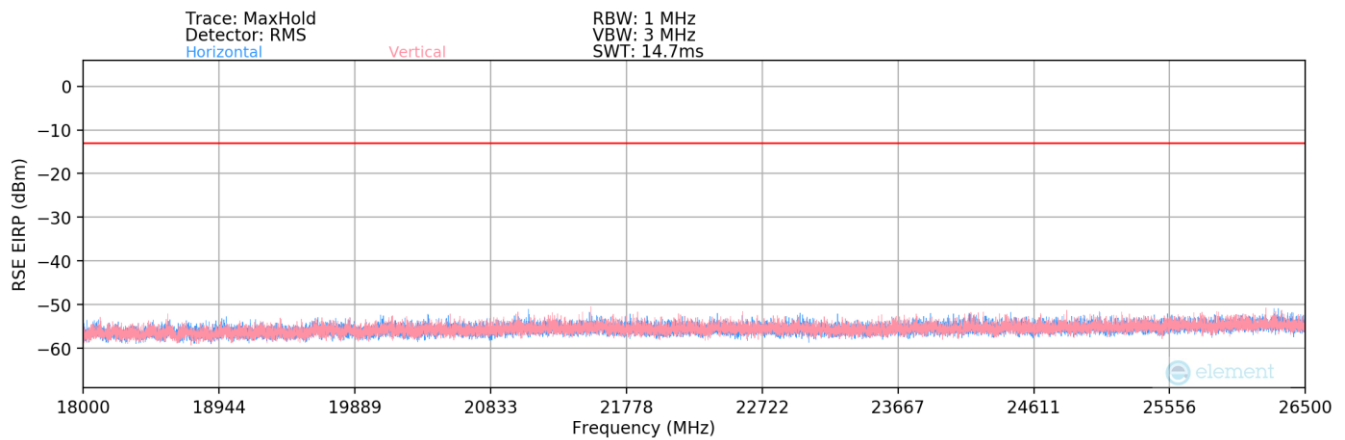
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
521.00	V	-	-	-67.62	-9.74	29.64	-67.76	-13.00	-54.76
837.00	V	-	-	-97.64	-4.48	4.88	-92.52	-13.00	-79.52

Table 7-45. Radiated Spurious Data – Below 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-4)

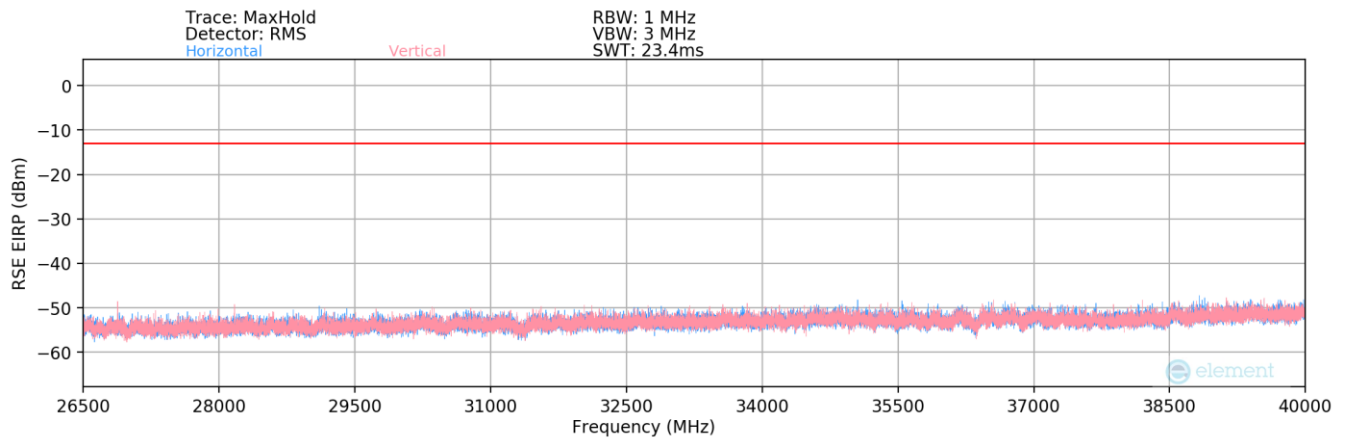
FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 188 of 199



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: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 189 of 199

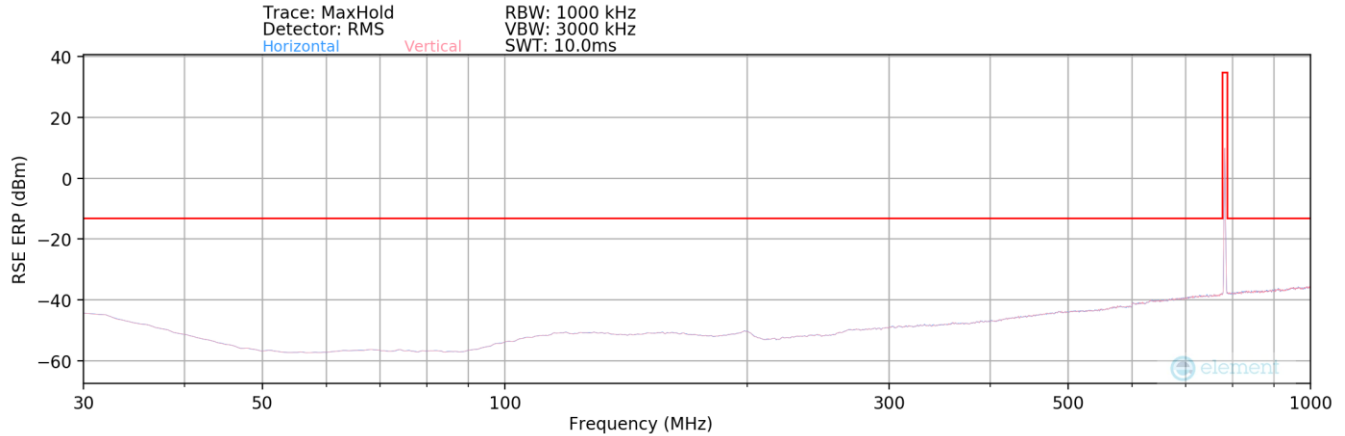
Bandwidth (MHz):	100
Frequency (MHz):	3840.00
RB / Offset:	1 / 136

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	-	-	-73.69	15.97	49.28	-45.97	-13.00	-32.97
11520.00	V	-	-	-74.21	22.12	54.91	-40.35	-13.00	-27.35
15360.00	V	-	-	-75.67	27.34	58.67	-36.59	-13.00	-23.59
19200.00	V	150	25	-58.31	2.27	50.96	-53.84	-13.00	-40.84
23040.00	V	-	-	-58.50	3.76	52.26	-52.54	-13.00	-39.54
26880.00	V	150	332	-53.62	4.88	58.26	-46.54	-13.00	-33.54
30720.00	V	-	-	-58.22	6.53	55.31	-49.49	-13.00	-36.49
34560.00	V	-	-	-56.14	7.68	58.54	-46.26	-13.00	-33.26

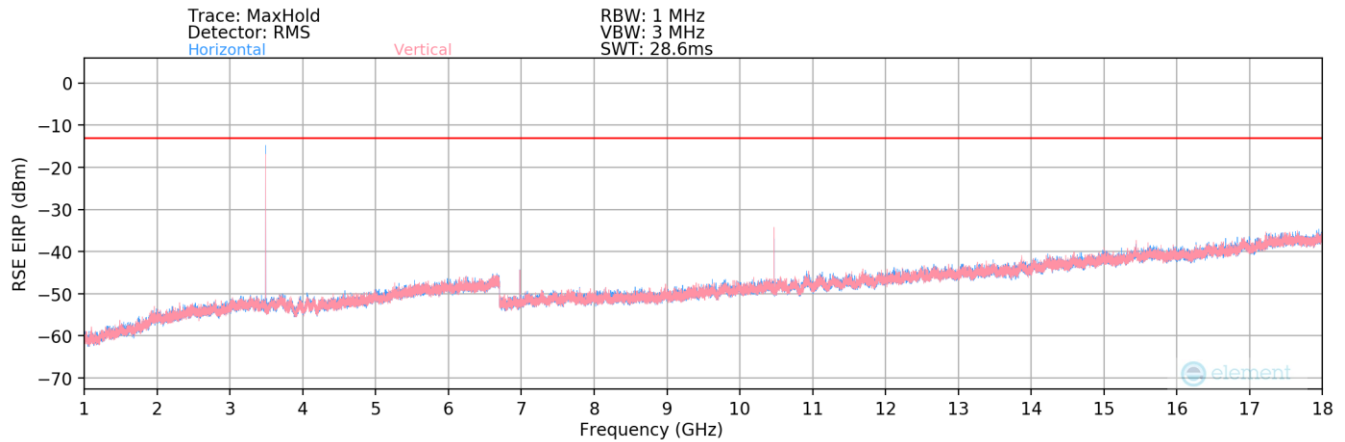
Table 7-46. Radiated Spurious Data – Above 1GHz (NR Band n77 - C-Band – Mid Channel – SRS-4)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 190 of 199

EN-DC – n77 (PC2) - DoD Band + B13



Plot 7-285. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - DoD Band + EN-DC Anchor B13)



Plot 7-286. Radiated Spurious Plot – 1-18GHz (NR Band n77 - DoD Band + EN-DC Anchor B13)

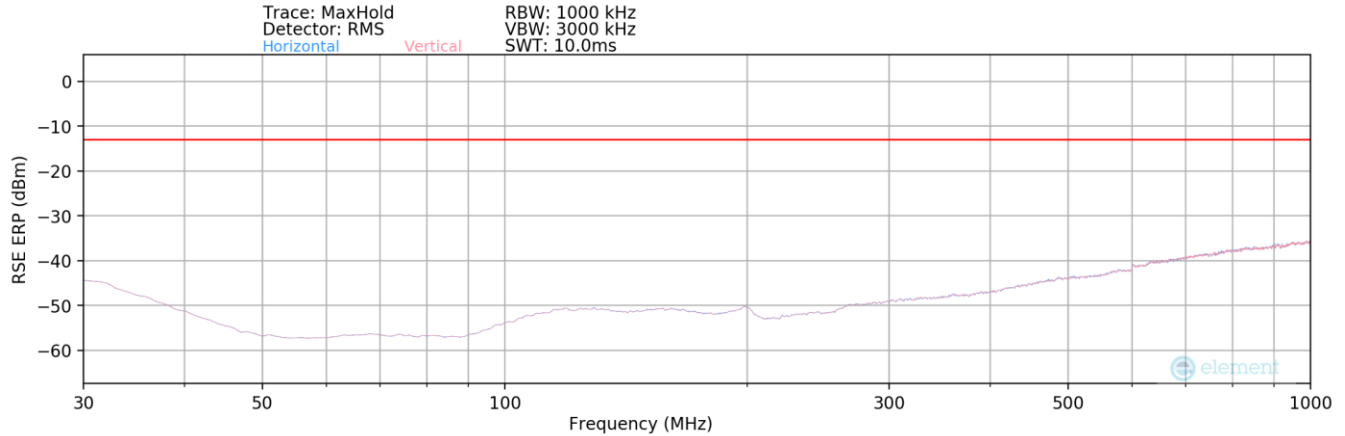
Bandwidth (MHz):	100 / 10
Frequency (MHz):	3500.01 / 782
RB / Offset:	1 / 135 & 1 / 25
Mode:	EN-DC
Anchor Band:	B13

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]
844.02	H	-	-	-98.96	30.86	38.90	-56.36	-13.00	-43.36
1936.01	H	-	-	-67.09	0.56	40.47	-54.79	-13.00	-41.79
4654.00	H	-	-	-65.83	6.04	47.21	-48.05	-13.00	-35.05
6218.00	H	-	-	-66.48	9.15	49.67	-45.59	-13.00	-32.59
7000.00	H	116	42	-65.04	11.34	53.30	-51.50	-13.00	-38.50
8936.00	H	-	-	-67.24	13.57	53.33	-51.47	-13.00	-38.47
10469.00	H	270	34	-61.87	15.81	60.94	-43.86	-13.00	-30.86
11654.00	H	-	-	-66.39	17.59	58.20	-46.60	-13.00	-33.60
14372.00	H	-	-	-65.18	20.69	62.51	-42.29	-13.00	-29.29

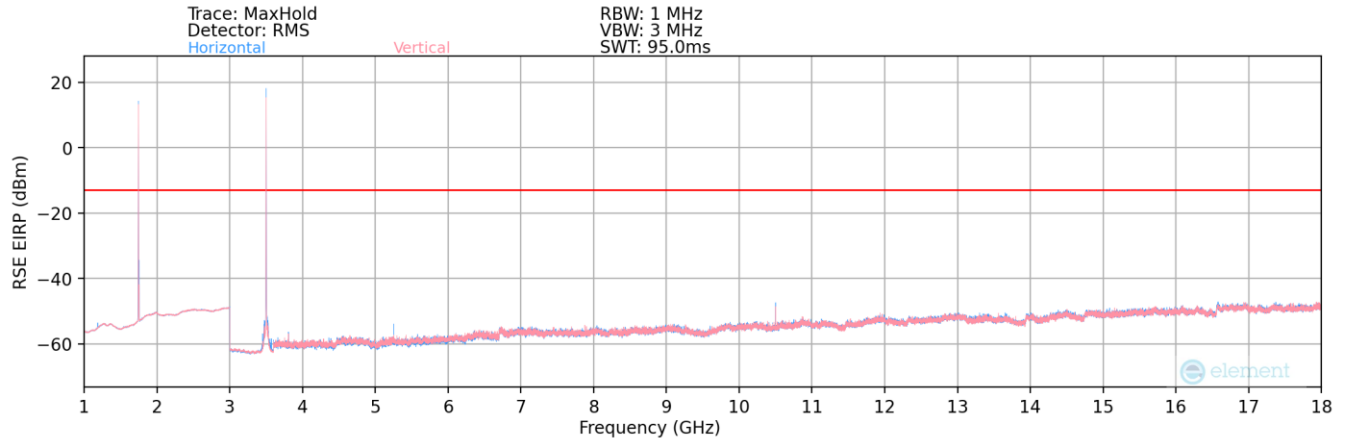
Table 7-47. Radiated Spurious Data (NR Band n77 - DoD Band + EN-DC Anchor B13)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset		Page 191 of 199

EN-DC – n77 (PC2) - DoD Band + B66



Plot 7-287. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - DoD Band + EN-DC Anchor B66)



Plot 7-288. Radiated Spurious Plot – 1-18GHz (NR Band n77 - DoD Band + EN-DC Anchor B66)

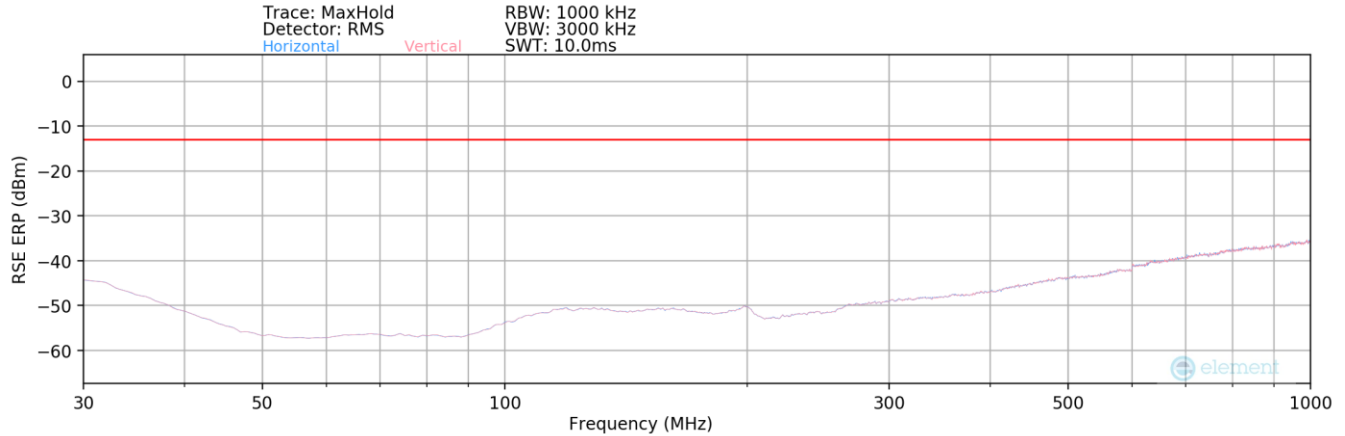
Bandwidth (MHz):	100 / 20
Frequency (MHz):	3500.01 / 1745
RB / Offset:	1 / 135 & 1 / 50
Mode:	EN-DC
Anchor Band:	B66

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]
695.00	H	-	-	-107.57	28.66	28.09	-67.17	-13.00	-54.17
1765.00	V	-	-	-65.96	-0.37	40.67	-54.58	-13.00	-41.58
3520.00	H	375	106	-37.34	5.45	75.11	-20.15	-13.00	-7.15
5255.00	H	375	166	-65.86	7.71	48.85	-46.41	-13.00	-33.41
5275.00	H	124	174	-66.13	7.71	48.58	-56.22	-13.00	-43.22
7010.00	H	126	209	-64.84	11.14	53.30	-51.50	-13.00	-38.50
8765.00	H	-	-	-67.90	13.56	52.66	-52.14	-13.00	-39.14

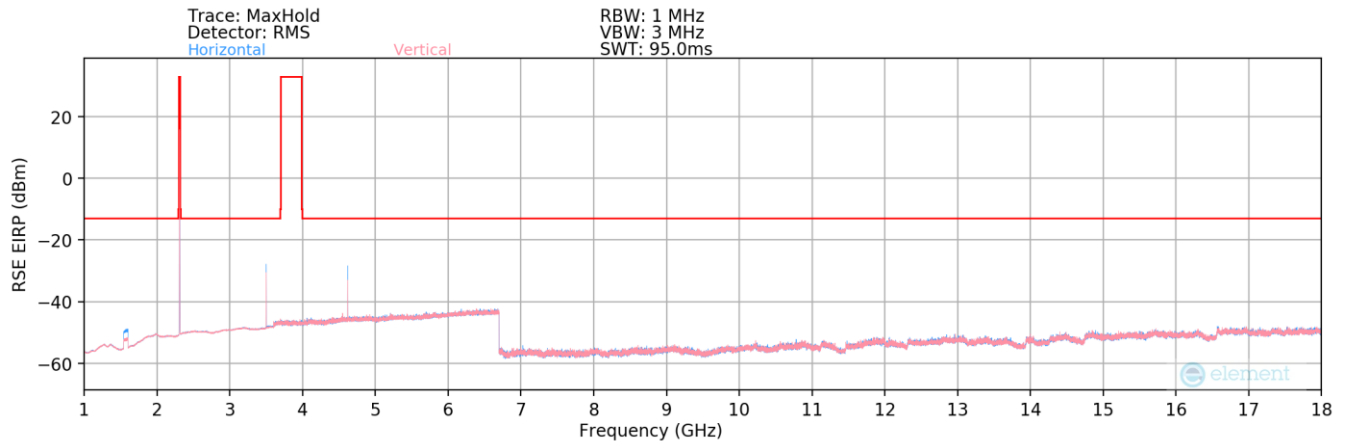
Table 7-48. Radiated Spurious Data (NR Band n77 - DoD Band + EN-DC Anchor B66)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-10.A3L	Test Dates: 10/13/2022 - 11/16/2022	EUT Type: Portable Handset	Page 192 of 199

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)

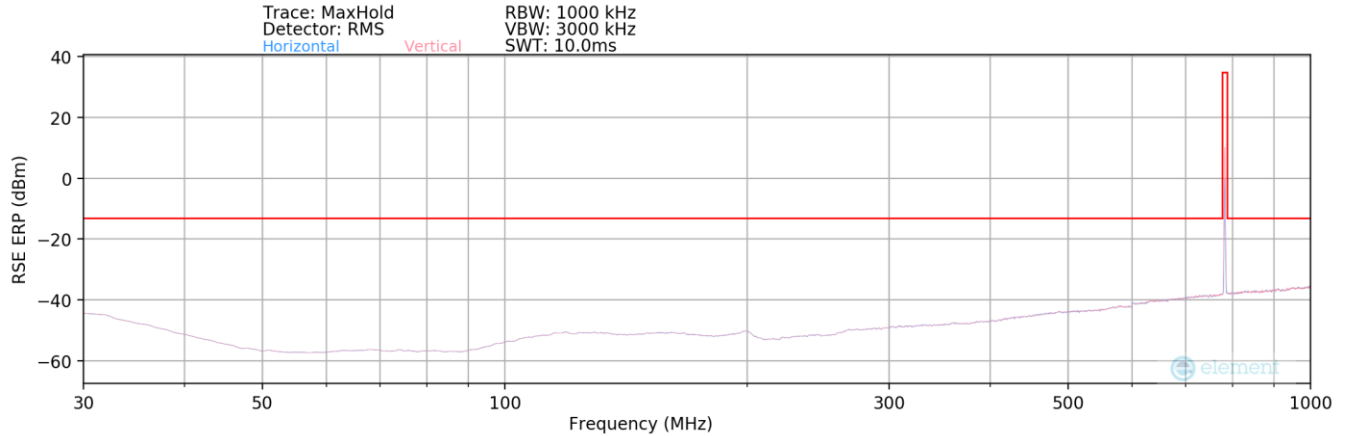
Bandwidth (MHz):	100 / 10
Frequency (MHz):	3500 / 2310
RB / Offset:	1 / 135 & 1 / 25
Mode:	EN-DC
Anchor Band:	B30

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	-	-	-101.50	19.67	25.17	-70.09	-13.00	-57.09
1580.00	H	159	170	-51.30	5.99	61.69	-33.57	-13.00	-20.57
4620.00	H	119	24	-58.25	14.75	63.50	-31.76	-13.00	-18.76
5670.00	H	-	-	-76.81	15.54	45.73	-59.07	-13.00	-46.07
5950.00	H	-	-	-77.38	15.88	45.50	-59.30	-13.00	-46.30

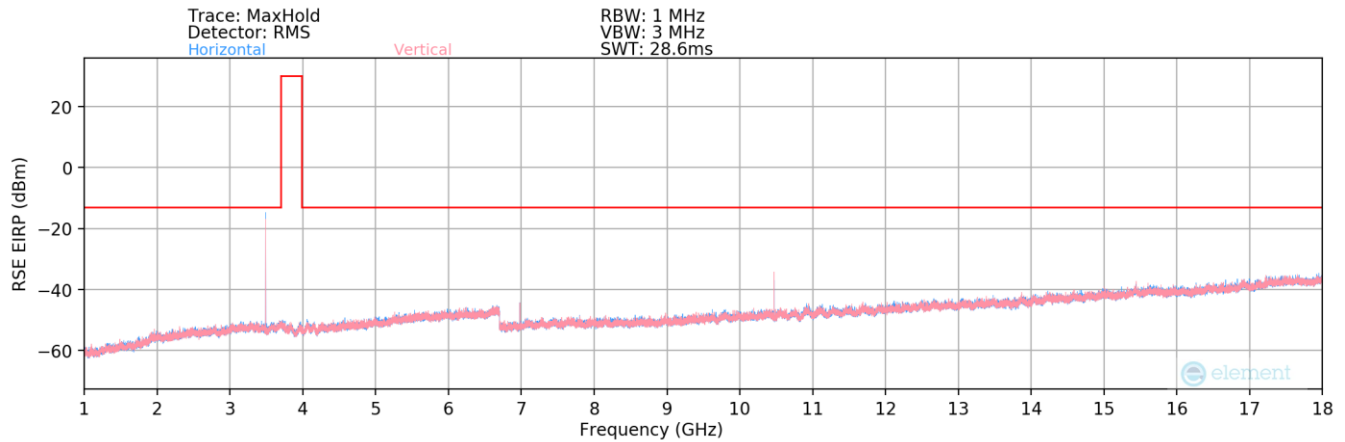
Table 7-49. Radiated Spurious Data (NR Band n77 - DoD Band + EN-DC Anchor B30)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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EN-DC – n77 (PC2) - C-Band + B13



Plot 7-291. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band + EN-DC Anchor B13)



Plot 7-292. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band + EN-DC Anchor B13)

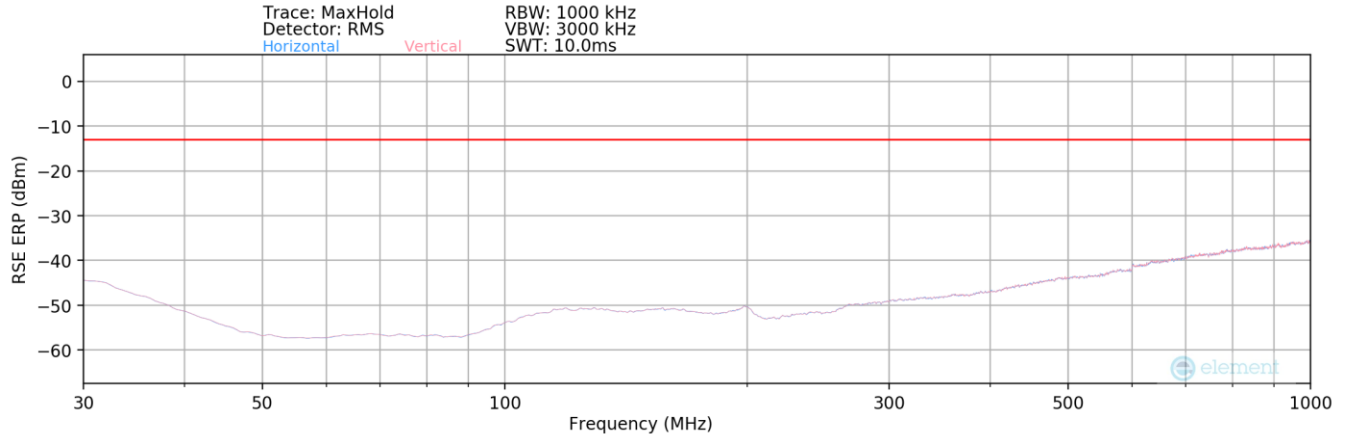
Bandwidth (MHz):	100 / 10
Frequency (MHz):	3840 / 782
RB / Offset:	1 / 135 & 1 / 25
Mode:	EN-DC
Anchor Band:	B13

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]
712.00	H	-	-	-99.81	29.23	36.42	-58.84	-13.00	-45.84
2276.00	H	-	-	-65.16	1.82	43.66	-51.60	-13.00	-38.60
5334.00	H	-	-	-65.45	7.63	49.18	-46.08	-13.00	-33.08
6898.00	H	-	-	-65.07	10.81	52.74	-42.51	-13.00	-29.51
8392.00	H	-	-	-67.16	12.87	52.71	-52.09	-13.00	-39.09
9956.00	H	-	-	-67.14	14.86	54.72	-50.08	-13.00	-37.08
11450.00	H	128	331	-64.76	17.28	59.52	-45.28	-13.00	-32.28
13014.00	H	-	-	-66.30	19.32	60.02	-44.78	-13.00	-31.78
16072.00	H	-	-	-65.42	23.11	64.69	-40.11	-13.00	-27.11

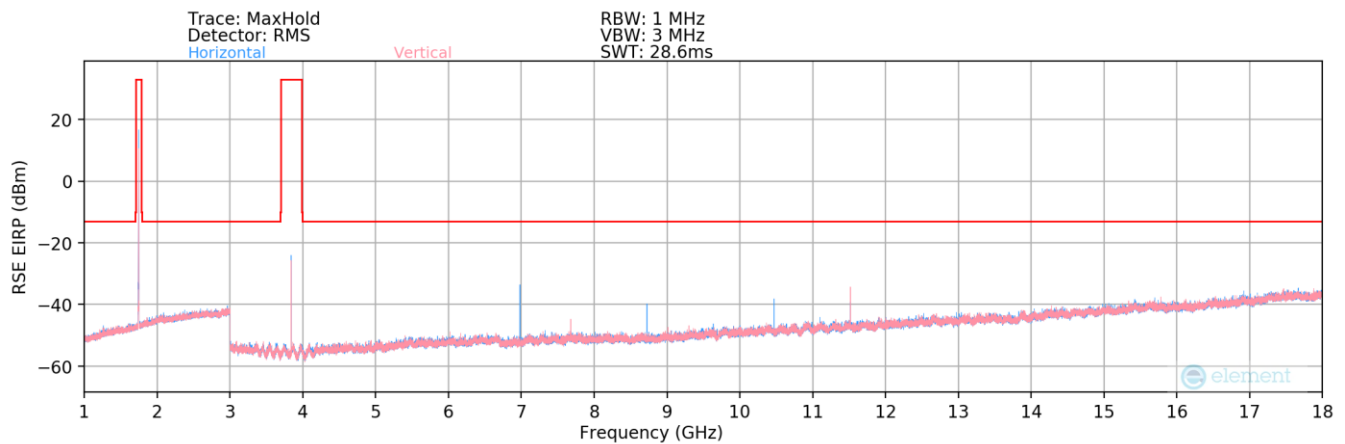
Table 7-50. Radiated Spurious Data (NR Band n77 - C-Band + EN-DC Anchor B13)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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EN-DC – n77 (PC2) - C-Band + B66



Plot 7-293. Radiated Spurious Plot – 30MHz-1GHz (NR Band n77 - C-Band + EN-DC Anchor B66)



Plot 7-294. Radiated Spurious Plot – 1-18GHz (NR Band n77 - C-Band + EN-DC Anchor B66)

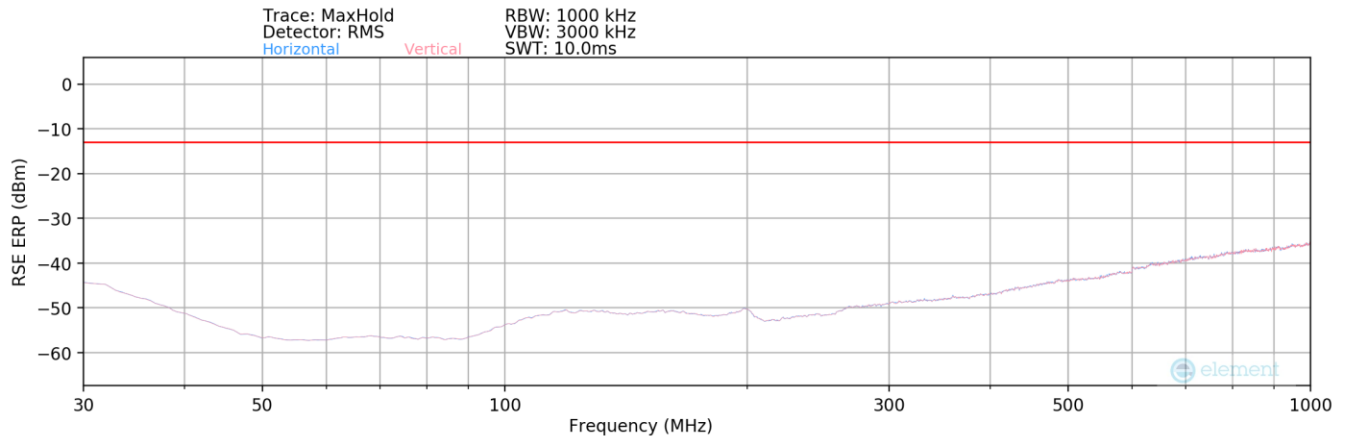
Bandwidth (MHz):	100 / 20
Frequency (MHz):	3840 / 1745
RB / Offset:	1 / 135 & 1 / 50
Mode:	EN-DC
Anchor Band:	B66

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]
695.00	H	-	-	-101.10	28.66	34.56	-60.70	-13.00	-47.70
2445.00	V	-	-	-66.38	5.36	45.98	-49.27	-13.00	-36.27
4540.00	H	-	-	-67.10	6.97	46.87	-48.39	-13.00	-35.39
5935.00	H	-	-	-66.52	9.20	49.68	-45.58	-13.00	-32.58
6635.00	H	-	-	-66.19	10.01	50.82	-53.98	-13.00	-40.98
8030.00	H	-	-	-66.54	13.30	53.76	-51.04	-13.00	-38.04
10125.00	H	-	-	-67.42	15.64	55.22	-49.58	-13.00	-36.58
12220.00	H	-	-	-66.67	18.79	59.12	-45.68	-13.00	-32.68

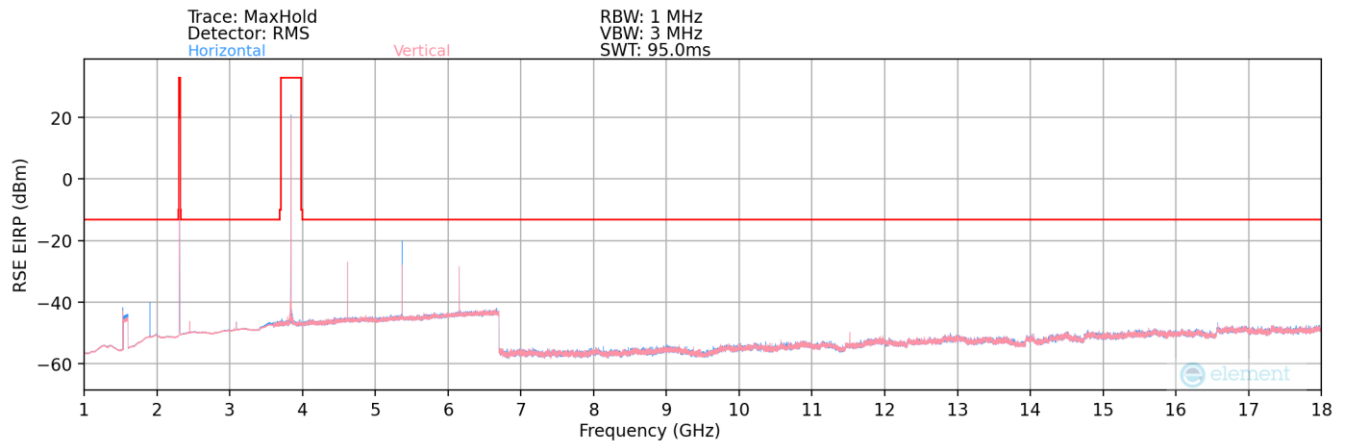
Table 7-51. Radiated Spurious Data (NR Band n77 - C-Band + EN-DC Anchor B66)

FCC ID: A3LSMS918U	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 / 135 & 1 / 25
Mode:	EN-DC
Anchor Band:	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	-	-	-101.25	19.76	25.51	-69.75	-13.00	-56.75
1580.00	H	154	167	-50.35	5.99	62.64	-32.62	-13.00	-19.62
4620.00	H	153	168	-48.73	14.75	73.02	-31.78	-13.00	-18.78
4760.00	H	-	-	-75.92	14.40	45.48	-59.32	-13.00	-46.32
5370.00	H	-	-	-76.82	15.54	45.72	-59.08	-13.00	-46.08
6150.00	H	-	-	-77.29	15.73	45.44	-59.36	-13.00	-46.36

Table 7-52. Radiated Spurious Data (NR Band n77 - C-Band + EN-DC Anchor B30)

FCC ID: A3LSMS918U	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

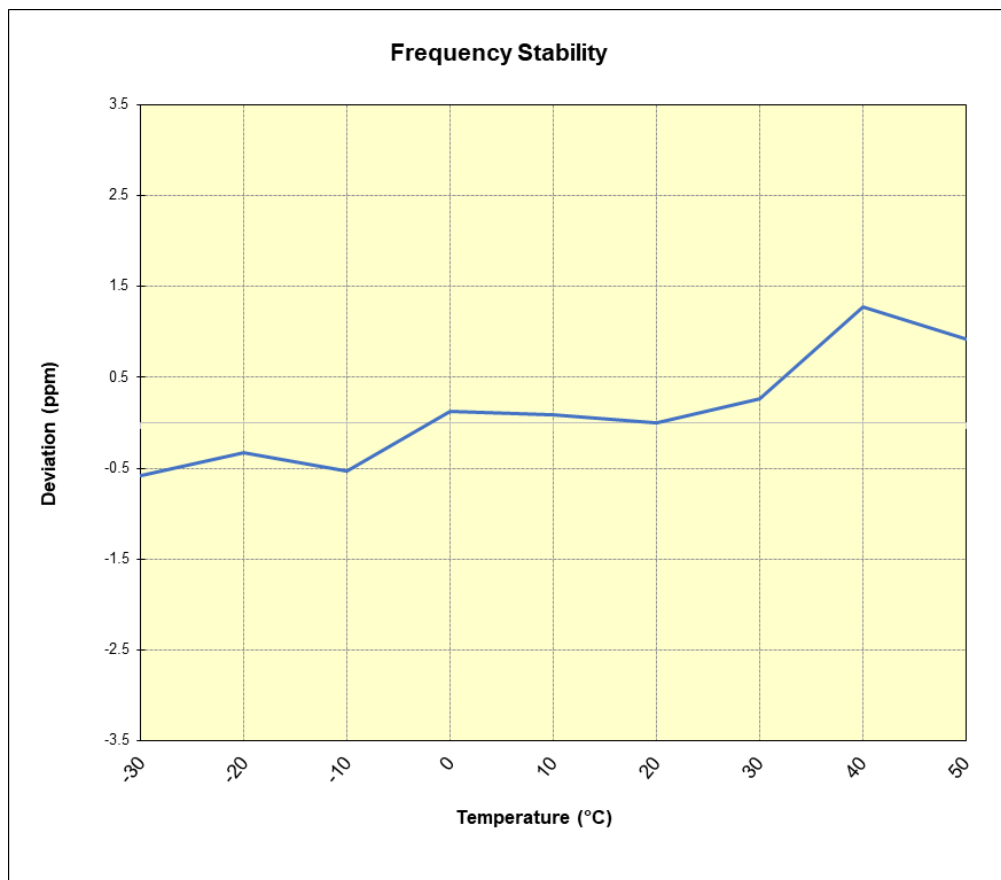
None

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NR Band n77 (PC2)

NR Band n77					
		Operating Frequency (Hz):		3,840,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	3,840,029,463	-2,206	-0.0000574
		- 20	3,840,030,402	-1,267	-0.0000330
		- 10	3,840,029,657	-2,012	-0.0000524
		0	3,840,032,147	478	0.0000124
		+ 10	3,840,031,987	318	0.0000083
		+ 20 (Ref)	3,840,031,669	0	0.0000000
		+ 30	3,840,032,698	1,029	0.0000268
		+ 40	3,840,036,547	4,878	0.0001270
		+ 50	3,840,035,214	3,545	0.0000923
Battery Endpoint	3.47	+ 20	3,840,030,027	-1,642	-0.0000428

Table 7-53. NR Band n77 - Frequency Stability Data



Plot 7-297. NR Band n77 - Frequency Stability Chart

FCC ID: A3LSMS918U	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: A3LSMS918U** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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