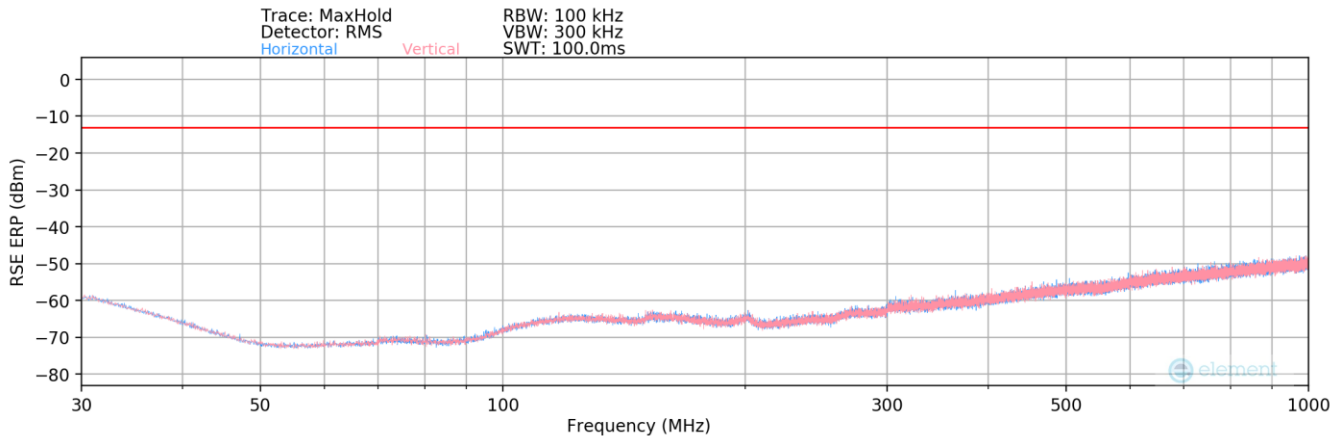
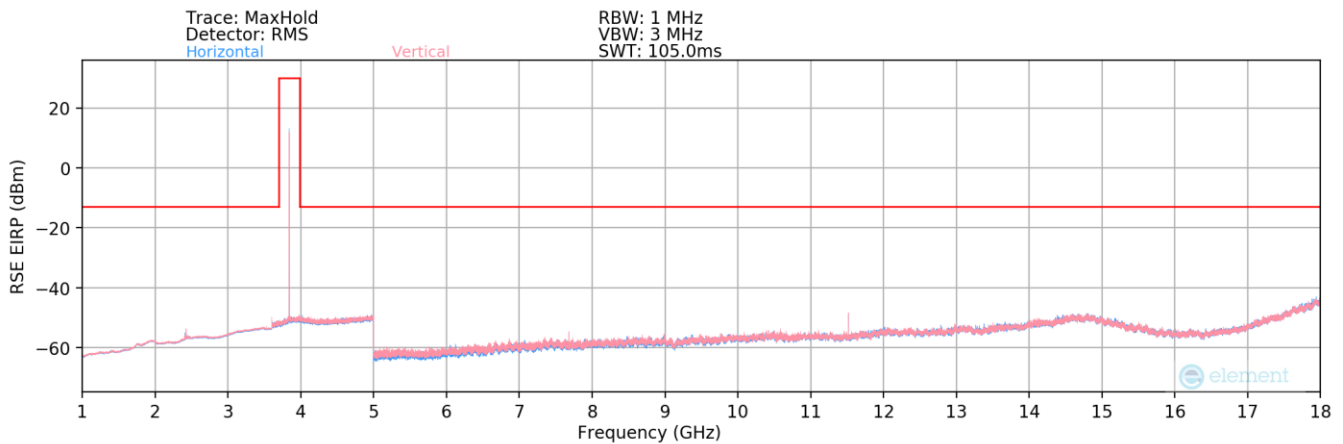


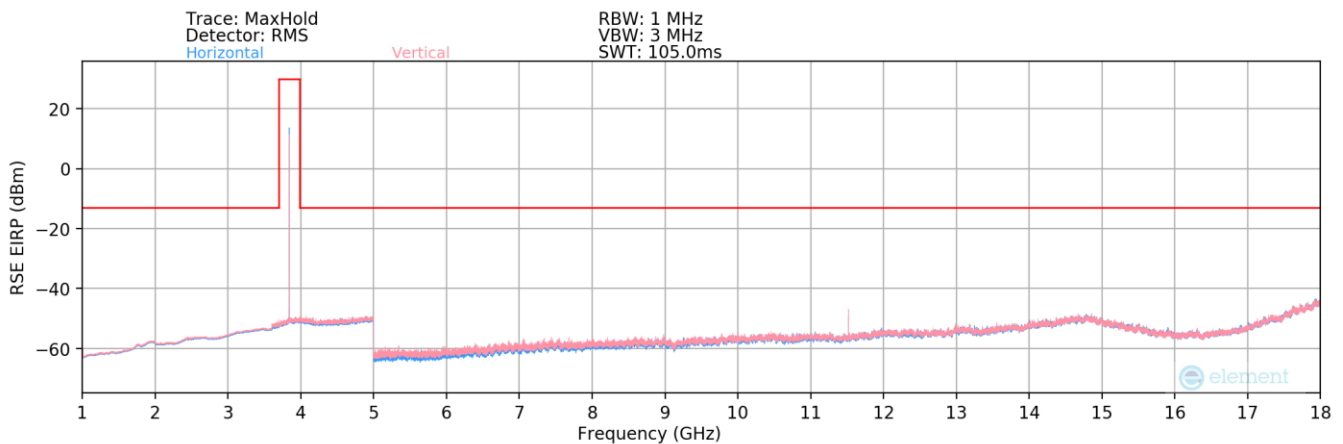
NR Band n77 – C-Band – SRS-4 – Ant D



Plot 7-448. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant D) below 1GHz – Closed

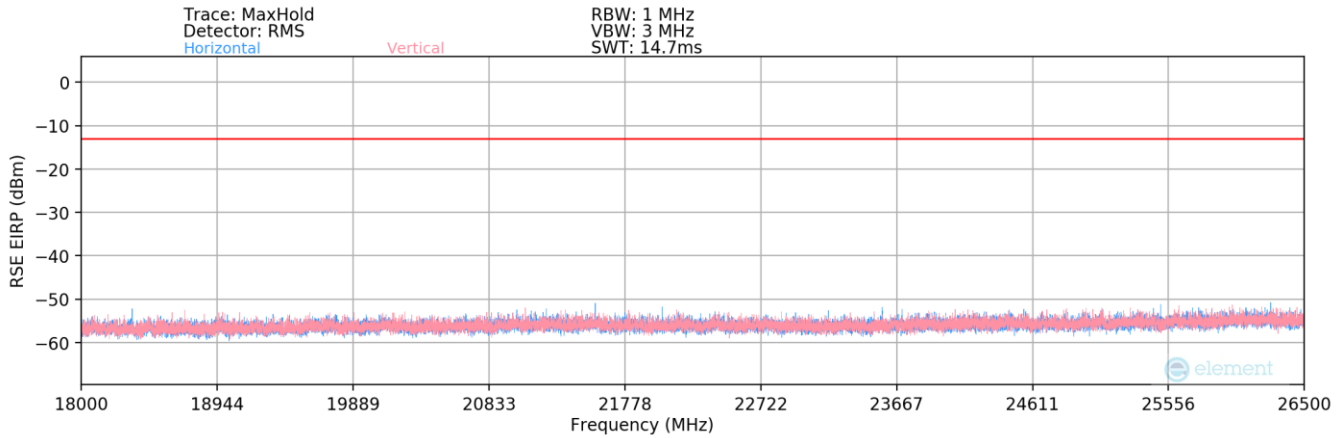


Plot 7-449. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant D) above 1GHz – Closed

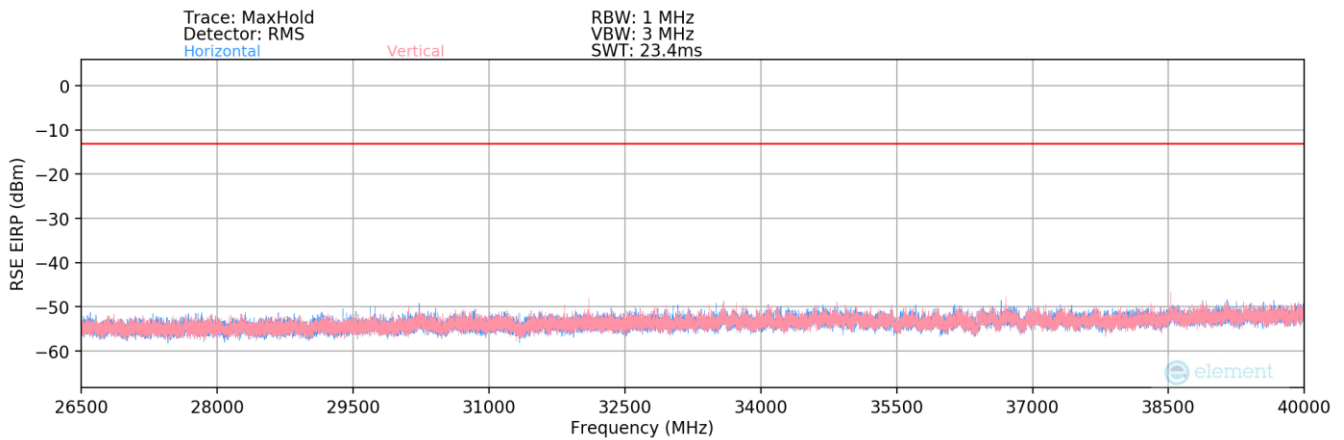


Plot 7-450. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant D) above 1GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 273 of 301



Plot 7-451. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant D) above 18GHz – Closed



Plot 7-452. Radiated Spurious Plot (NR Band n77 (C-Band) – Ant D) above 26.5GHz – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 274 of 301

Bandwidth (MHz):	100
Frequency (MHz):	3750.00
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
937.50	H	-	-	-84.51	31.01	53.50	-41.76	-13.00	-28.76
7500.00	H	109	318	-75.55	7.36	38.81	-56.44	-13.00	-43.44
11250.00	H	117	166	-78.89	10.74	38.85	-56.41	-13.00	-43.41
15000.00	H	-	-	-78.38	15.25	43.87	-51.39	-13.00	-38.39
18750.00	H	-	-	-65.10	2.01	43.91	-60.89	-13.00	-47.89
22500.00	H	-	-	-66.52	3.72	44.21	-60.59	-13.00	-47.59
26250.00	H	-	-	-66.84	5.06	45.22	-59.58	-13.00	-46.58
30000.00	H	-	-	-68.41	6.56	45.15	-59.65	-13.00	-46.65

Table 7-31. Radiated Spurious Data (NR Band n77 (C-Band) – Low Channel – Ant D) – Closed

Bandwidth (MHz):	100
Frequency (MHz):	3840.00
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
960.00	H	-	-	-83.26	31.05	54.79	-40.47	-13.00	-27.47
7680.00	H	157	319	-73.08	6.75	40.67	-54.58	-13.00	-41.58
11520.00	H	125	62	-70.24	11.27	48.03	-47.23	-13.00	-34.23
15360.00	H	133	97	-77.74	13.96	43.22	-52.04	-13.00	-39.04
19200.00	H	-	-	-65.15	2.53	44.38	-60.42	-13.00	-47.42
23040.00	H	-	-	-66.88	3.73	43.84	-60.96	-13.00	-47.96
26880.00	H	-	-	-67.44	5.05	44.60	-60.20	-13.00	-47.20
30720.00	H	-	-	-67.48	6.83	46.35	-58.45	-13.00	-45.45

Table 7-32. Radiated Spurious Data (NR Band n77 (C-Band) – Mid Channel – Ant D) – Closed

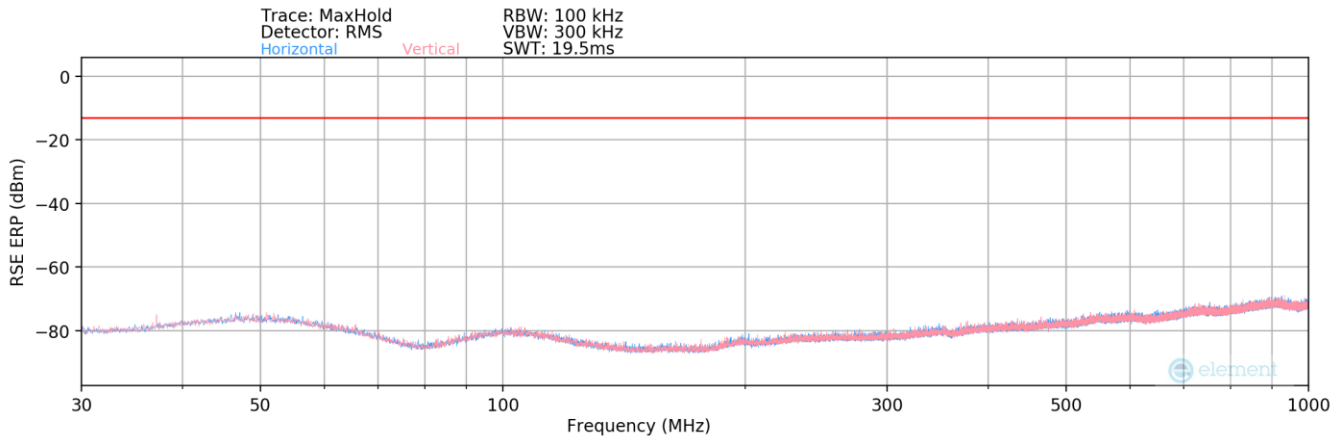
Bandwidth (MHz):	100
Frequency (MHz):	3930.00
RB / Offset:	1 / 136
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
982.50	H	-	-	-83.99	31.33	54.34	-40.92	-13.00	-27.92
7860.00	H	113	326	-73.42	7.18	40.76	-54.49	-13.00	-41.49
11790.00	H	221	105	-72.28	12.04	46.76	-48.50	-13.00	-35.50
15720.00	H	-	-	-77.43	11.67	41.24	-54.02	-13.00	-41.02
19650.00	H	-	-	-63.11	2.89	46.78	-58.02	-13.00	-45.02
23580.00	H	-	-	-65.84	3.80	44.96	-59.84	-13.00	-46.84
27510.00	H	-	-	-67.39	5.06	44.67	-60.13	-13.00	-47.13
31440.00	H	-	-	-67.11	6.85	46.74	-58.06	-13.00	-45.06

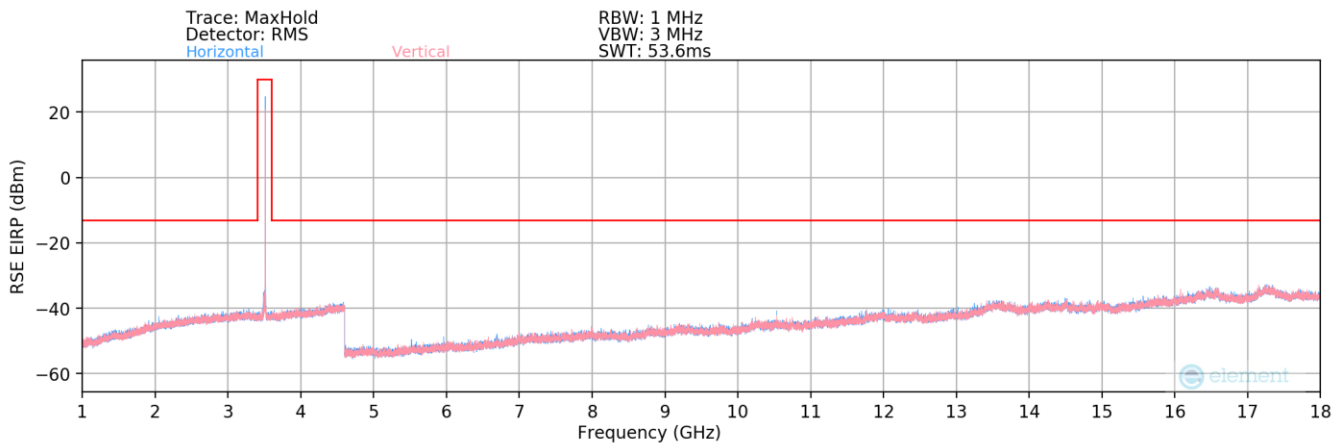
Table 7-33. Radiated Spurious Data (NR Band n77 (C-Band) – High Channel – Ant D) – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 275 of 301

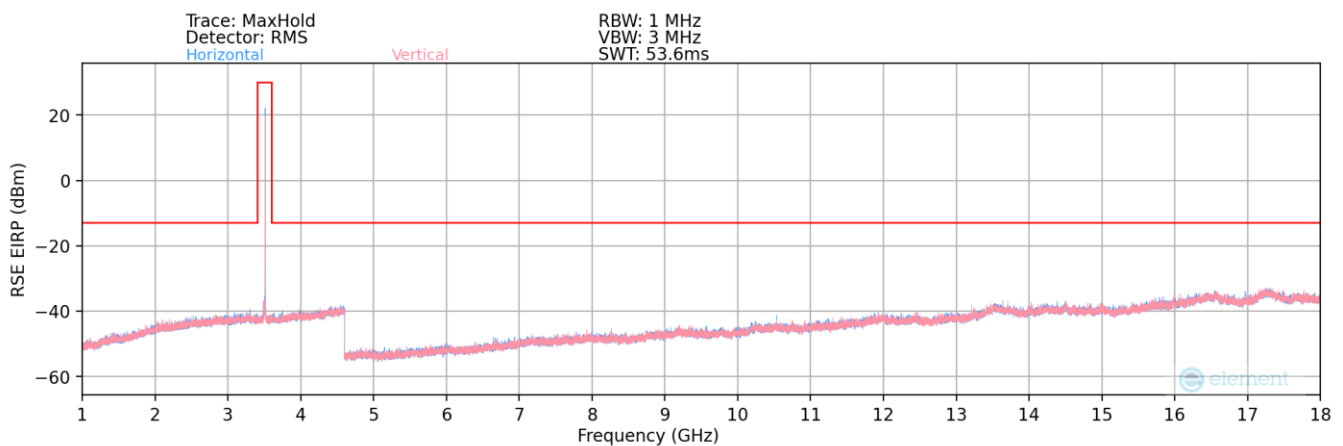
NR Band n77 – DoD Band – Ant F



Plot 7-453. Radiated Spurious Plot (NR Band n77 (DoD) – Ant F) below 1GHz – Open

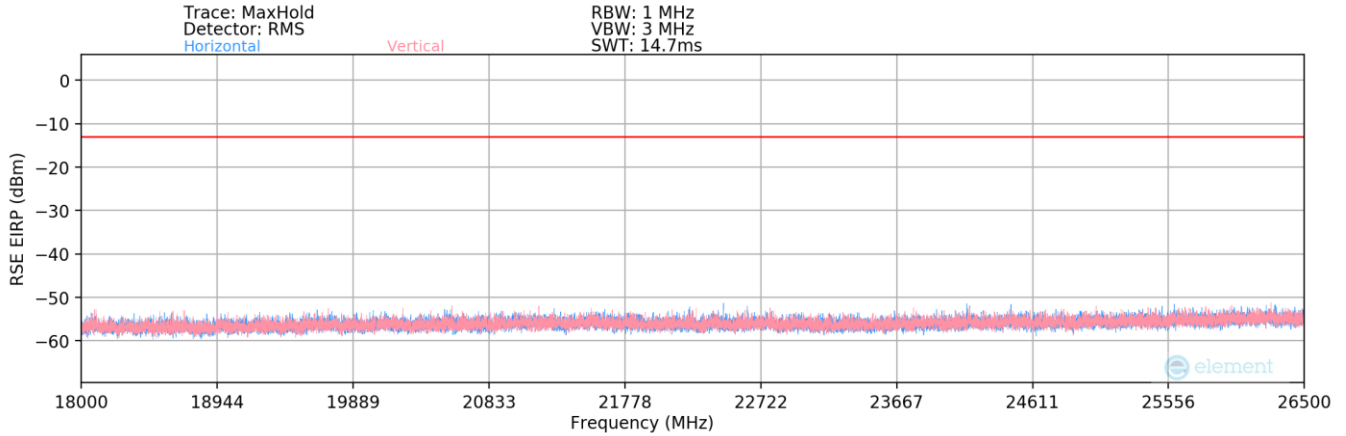


Plot 7-454. Radiated Spurious Plot (NR Band n77 (DoD) – Ant F) above 1GHz – Closed

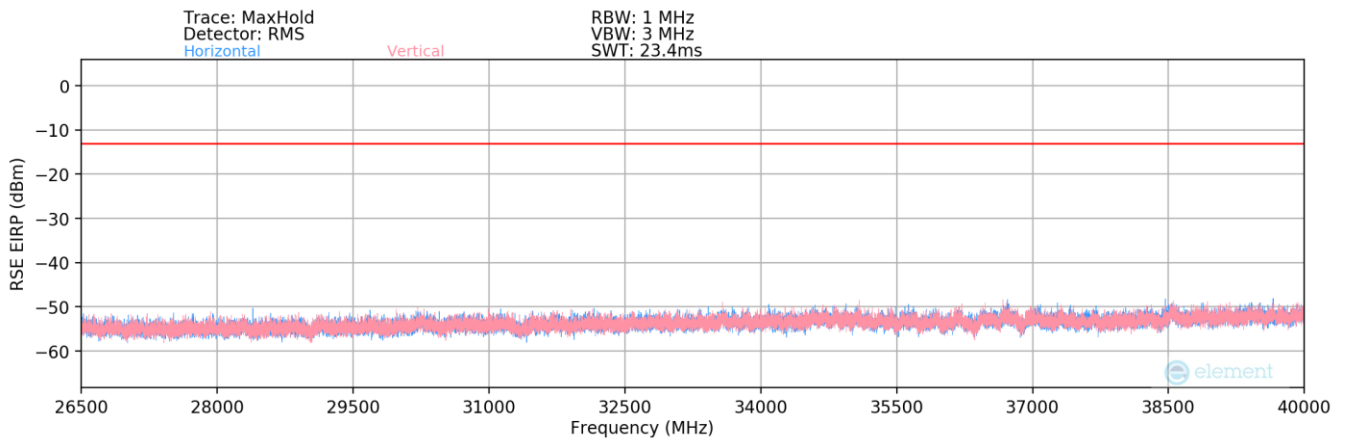


Plot 7-455. Radiated Spurious Plot (NR Band n77 (DoD) – Ant F) above 1GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 276 of 301



Plot 7-456. Radiated Spurious Plot (NR Band n77 (DoD) – Ant F) above 18GHz – Open



Plot 7-457. Radiated Spurious Plot (NR Band n77 (DoD) – Ant F) above 26.5GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 277 of 301

Bandwidth (MHz):	50
Frequency (MHz):	3475.02
RB / Offset:	1 / 99
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
868.76	H	-	-	-70.11	-3.90	32.99	-62.27	-13.00	-49.27
6950.04	H	103	293	-72.58	15.71	50.13	-45.12	-13.00	-32.12
10425.06	H	104	16	-71.79	20.65	55.86	-39.40	-13.00	-26.40
13900.08	H	-	-	-75.52	26.39	57.87	-37.39	-13.00	-24.39
17375.10	H	-	-	-75.21	31.25	63.04	-32.22	-13.00	-19.22
20850.12	H	-	-	-66.20	3.39	44.19	-60.61	-13.00	-47.61
24325.14	H	-	-	-66.21	4.60	45.38	-59.42	-13.00	-46.42
27800.16	H	-	-	-68.73	5.03	43.30	-61.50	-13.00	-48.50

Table 7-34. Radiated Spurious Data (NR Band n77 (DoD) – Low Channel – Ant F) – Open

Bandwidth (MHz):	50
Frequency (MHz):	3500.01
RB / Offset:	1 / 99
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
875.00	H	-	-	-71.19	-3.85	31.96	-63.30	-13.00	-50.30
7000.02	H	154	29	-68.94	15.75	53.81	-41.45	-13.00	-28.45
10500.03	H	150	318	-70.49	20.95	57.46	-37.80	-13.00	-24.80
14000.04	H	-	-	-75.62	26.67	58.05	-37.21	-13.00	-24.21
17500.05	H	-	-	-76.49	30.91	61.42	-33.83	-13.00	-20.83
21000.06	H	-	-	-66.49	3.59	44.10	-60.70	-13.00	-47.70
24500.07	H	-	-	-67.13	4.41	44.28	-60.52	-13.00	-47.52
28000.08	H	-	-	-66.15	4.94	45.79	-59.01	-13.00	-46.01

Table 7-35. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant F) – Open

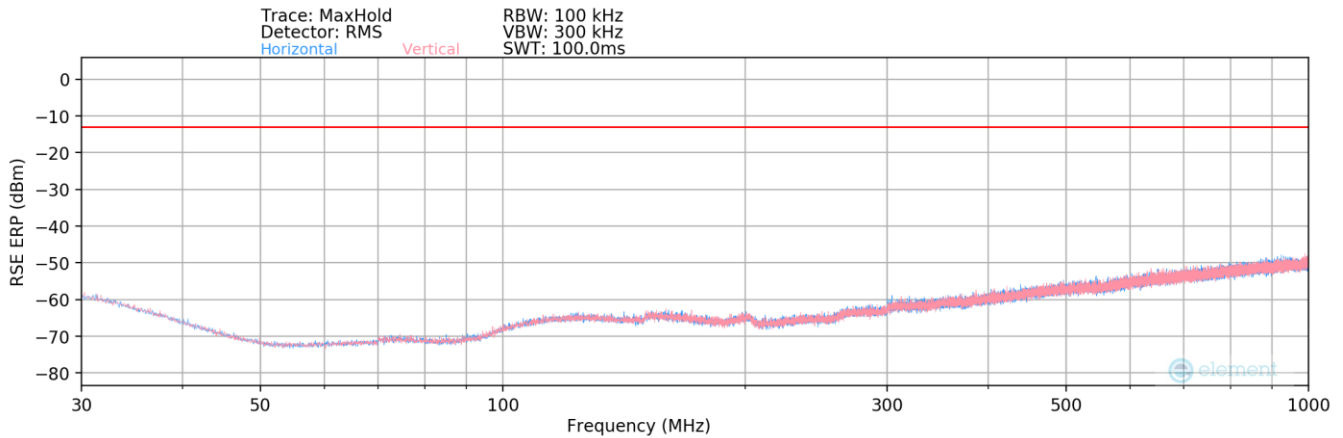
Bandwidth (MHz):	50
Frequency (MHz):	3525.00
RB / Offset:	1 / 99
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
881.25	H	-	-	-71.31	-3.62	32.07	-63.18	-13.00	-50.18
7050.00	H	137	25	-70.14	15.53	52.39	-42.87	-13.00	-29.87
10575.00	H	186	316	-66.83	20.85	61.02	-34.24	-13.00	-21.24
14100.00	H	-	-	-75.99	26.30	57.31	-37.95	-13.00	-24.95
17625.00	H	-	-	-76.13	31.36	62.23	-33.03	-13.00	-20.03
21150.00	H	-	-	-68.10	3.83	42.72	-62.08	-13.00	-49.08
24675.00	H	-	-	-67.47	4.36	43.89	-60.91	-13.00	-47.91
28200.00	H	-	-	-67.51	5.05	44.54	-60.26	-13.00	-47.26

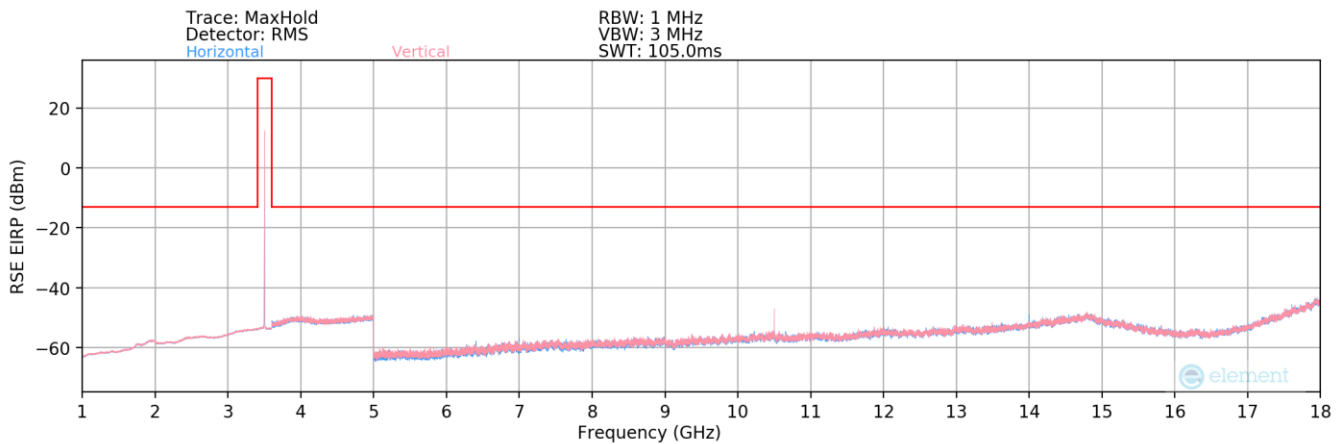
Table 7-36. Radiated Spurious Data (NR Band n77 (DoD) – High Channel – Ant F) – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 278 of 301

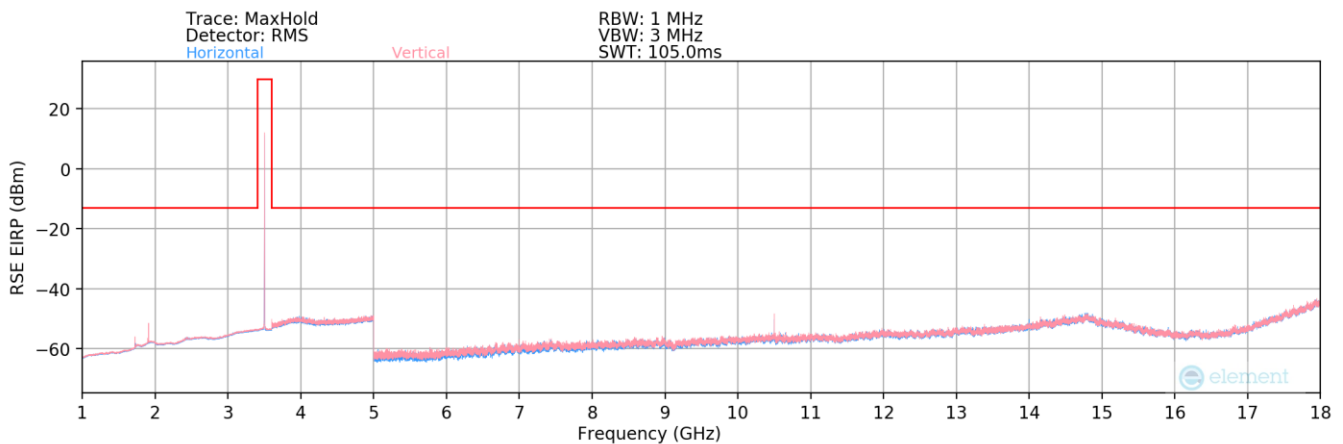
NR Band n77 – DoD Band – SRS-2 – Ant E



Plot 7-458. Radiated Spurious Plot (NR Band n77 (DoD) – Ant E) below 1GHz – Open

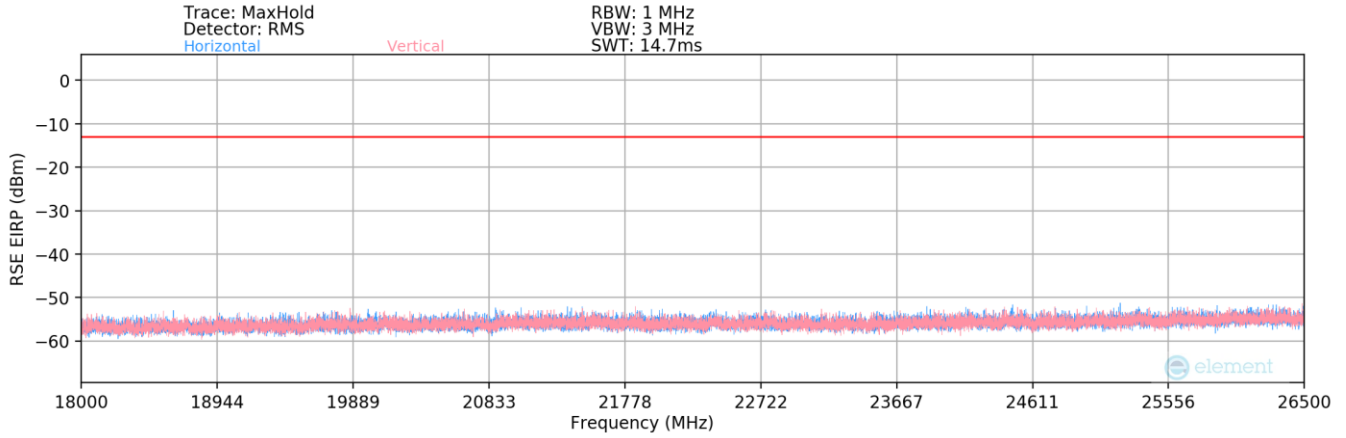


Plot 7-459. Radiated Spurious Plot (NR Band n77 (DoD) – Ant E) above 1GHz – Half

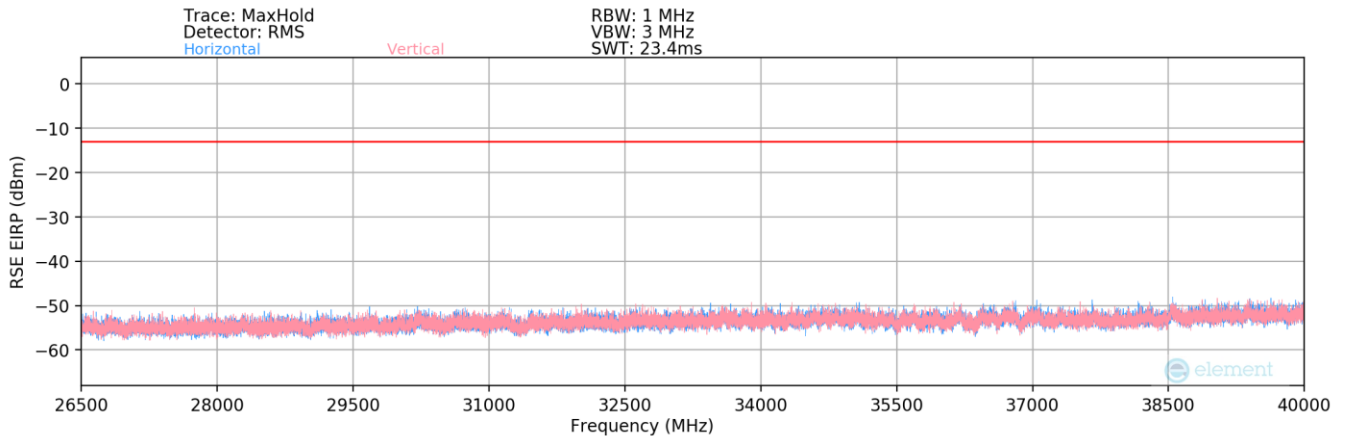


Plot 7-460. Radiated Spurious Plot (NR Band n77 (DoD) – Ant E) above 1GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 279 of 301



Plot 7-461. Radiated Spurious Plot (NR Band n77 (DoD) – Ant E) above 18GHz – Open



Plot 7-462. Radiated Spurious Plot (NR Band n77 (DoD) – Ant E) above 26.5GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 280 of 301

Bandwidth (MHz):	50
Frequency (MHz):	3475.02
RB / Offset:	1 / 66
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
868.76	H	-	-	-82.91	30.41	54.50	-40.76	-13.00	-27.76
6950.04	H	107	70	-70.23	5.52	42.29	-52.97	-13.00	-39.97
10425.06	H	197	42	-69.67	11.43	48.76	-46.50	-13.00	-33.50
13900.08	H	152	309	-74.83	13.86	46.03	-49.23	-13.00	-36.23
17375.10	H	-	-	-75.80	15.29	46.49	-48.77	-13.00	-35.77
20850.12	H	-	-	-66.25	3.39	44.13	-60.67	-13.00	-47.67
24325.14	H	-	-	-66.20	4.60	45.40	-59.40	-13.00	-46.40
27800.16	H	-	-	-68.52	5.03	43.51	-61.29	-13.00	-48.29

Table 7-37. Radiated Spurious Data (NR Band n77 (DoD) – Low Channel – Ant E) – Open

Bandwidth (MHz):	50
Frequency (MHz):	3500.01
RB / Offset:	1 / 66
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
875.00	H	-	-	-83.22	30.42	54.20	-41.06	-13.00	-28.06
7000.02	H	111	79	-72.17	6.35	41.18	-54.08	-13.00	-41.08
10500.03	H	152	41	-66.74	11.25	51.51	-43.75	-13.00	-30.75
14000.04	H	193	310	-72.46	14.27	48.81	-46.45	-13.00	-33.45
17500.05	H	-	-	-76.04	16.44	47.40	-47.86	-13.00	-34.86
21000.06	H	-	-	-66.40	3.59	44.19	-60.61	-13.00	-47.61
24500.07	H	-	-	-67.85	4.41	43.56	-61.24	-13.00	-48.24
28000.08	H	-	-	-66.94	4.94	44.99	-59.81	-13.00	-46.81

Table 7-38. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant E) – Open

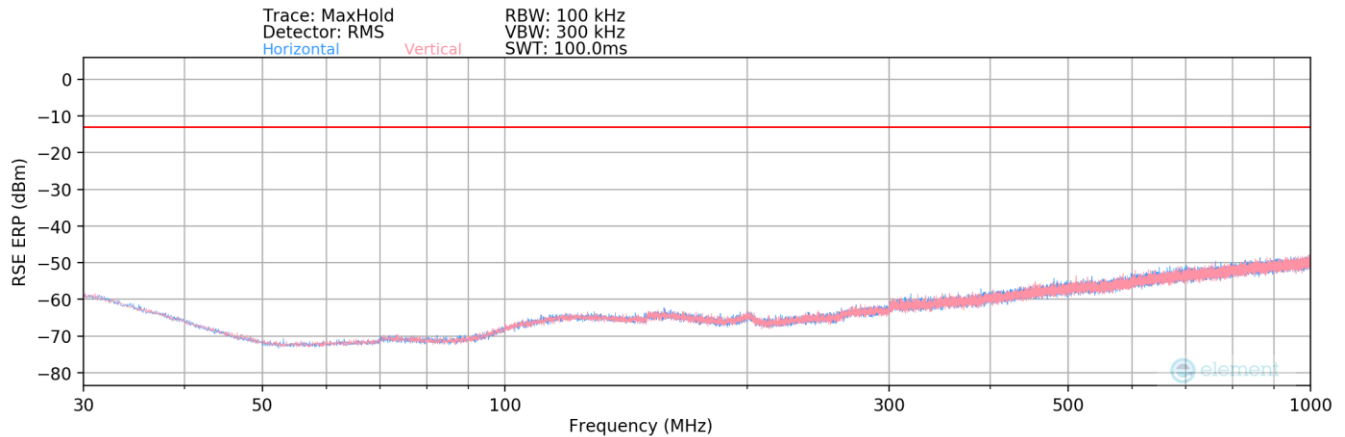
Bandwidth (MHz):	50
Frequency (MHz):	3525.00
RB / Offset:	1 / 66
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
881.25	H	-	-	-83.63	30.43	53.80	-41.45	-13.00	-28.45
7050.00	H	205	50	-71.31	6.76	42.45	-52.81	-13.00	-39.81
10575.00	H	118	57	-62.52	11.38	55.86	-39.40	-13.00	-26.40
14100.00	H	178	330	-74.61	14.75	47.14	-48.11	-13.00	-35.11
17625.00	H	-	-	-76.29	18.16	48.87	-46.39	-13.00	-33.39
21150.00	H	-	-	-68.53	3.83	42.29	-62.51	-13.00	-49.51
24675.00	H	-	-	-67.90	4.36	43.46	-61.34	-13.00	-48.34
28200.00	H	-	-	-67.79	5.05	44.27	-60.53	-13.00	-47.53

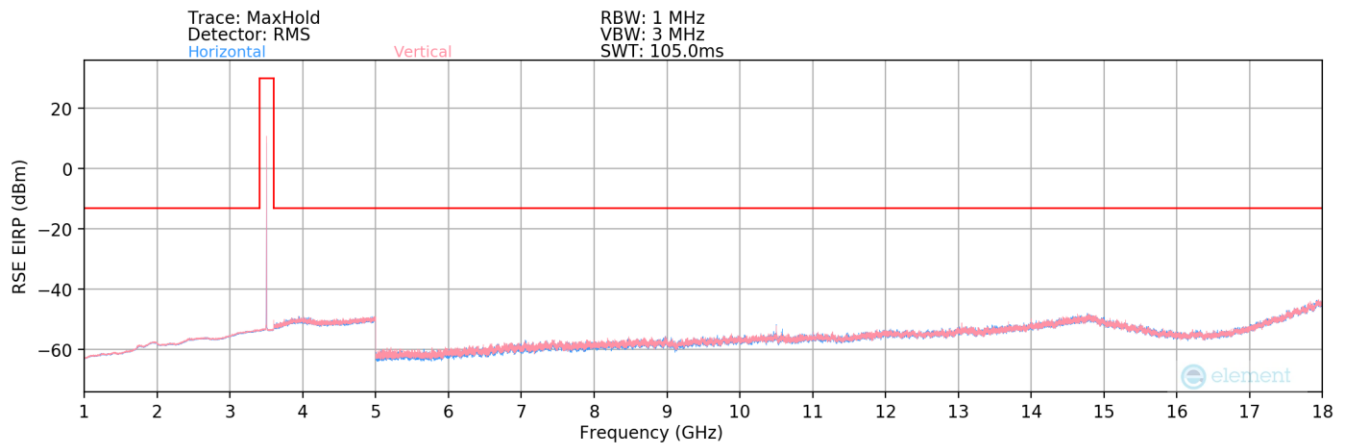
Table 7-39. Radiated Spurious Data (NR Band n77 (DoD) – High Channel – Ant E) – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 281 of 301

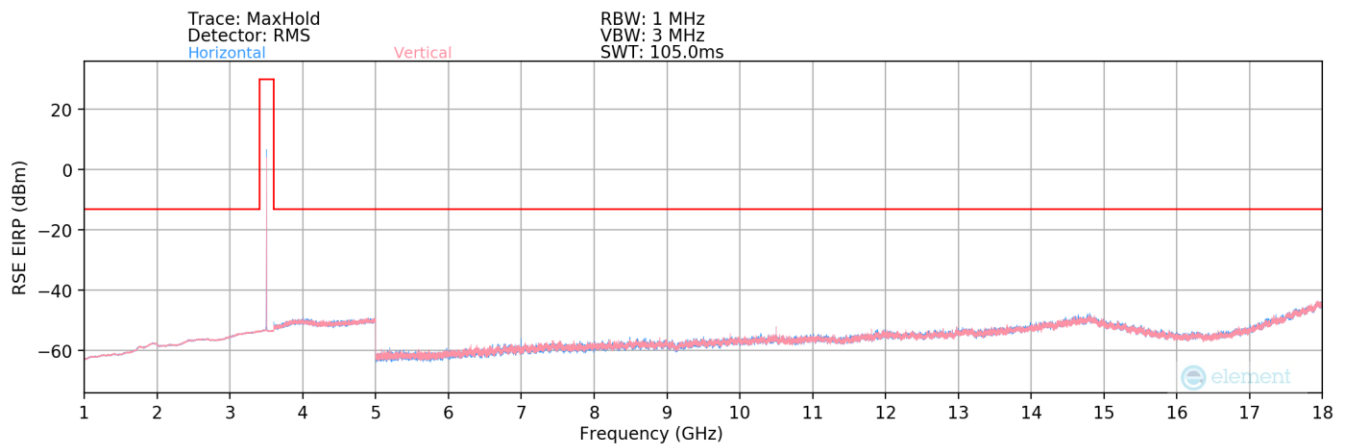
NR Band n77 – DoD Band – SRS-3 – Ant G



Plot 7-463. Radiated Spurious Plot (NR Band n77 (DoD) – Ant G) below 1GHz – Closed

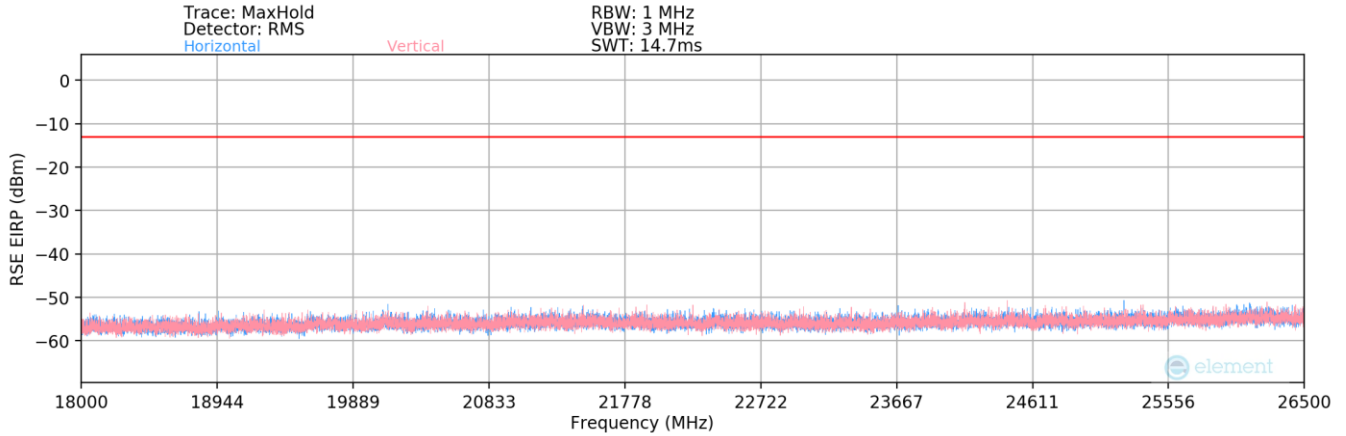


Plot 7-464. Radiated Spurious Plot (NR Band n77 (DoD) – Ant G) above 1GHz – Closed

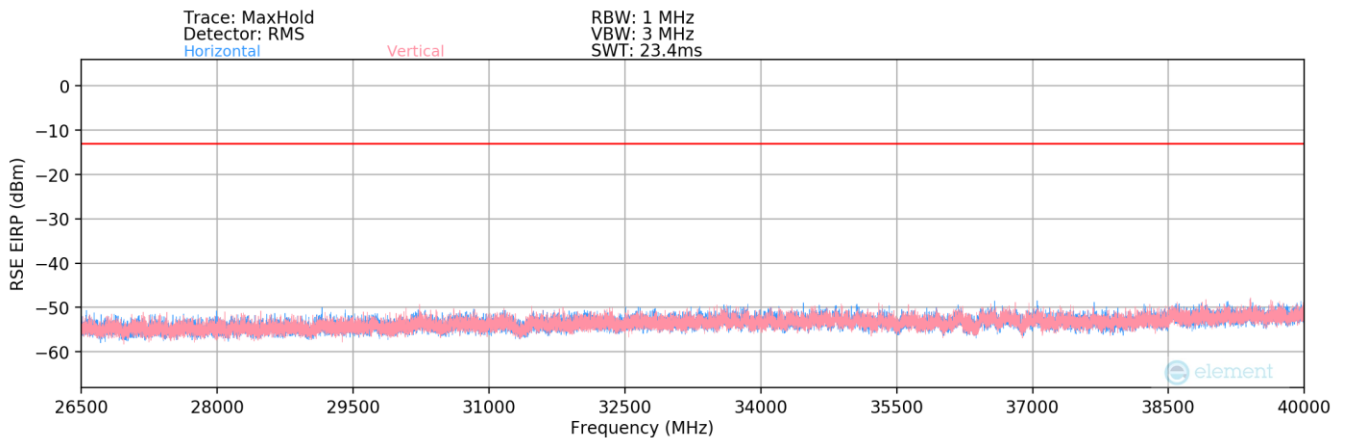


Plot 7-465. Radiated Spurious Plot (NR Band n77 (DoD) – Ant G) above 1GHz – Half

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 282 of 301



Plot 7-466. Radiated Spurious Plot (NR Band n77 (DoD) – Ant G) above 18GHz – Closed



Plot 7-467. Radiated Spurious Plot (NR Band n77 (DoD) – Ant G) above 26.5GHz – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 283 of 301

Bandwidth (MHz):	50
Frequency (MHz):	3475.02
RB / Offset:	1 / 66
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
868.76	V	-	-	-82.58	30.41	54.83	-40.43	-13.00	-27.43
6950.04	V	148	24	-73.99	5.52	38.53	-56.73	-13.00	-43.73
10425.06	V	120	52	-76.95	11.43	41.48	-53.78	-13.00	-40.78
13900.08	V	254	345	-75.21	13.86	45.65	-49.61	-13.00	-36.61
17375.10	V	-	-	-77.48	15.29	44.81	-50.45	-13.00	-37.45
20850.12	H	-	-	-66.84	3.39	43.54	-61.26	-13.00	-48.26
24325.14	H	-	-	-66.51	4.60	45.08	-59.72	-13.00	-46.72
27800.16	H	-	-	-68.52	5.03	43.51	-61.29	-13.00	-48.29

Table 7-40. Radiated Spurious Data (NR Band n77 (DoD) – Low Channel – Ant G) – Closed

Bandwidth (MHz):	50
Frequency (MHz):	3500.01
RB / Offset:	1 / 66
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
875.00	V	-	-	-83.21	30.42	54.21	-41.05	-13.00	-28.05
7000.02	V	163	52	-76.74	6.35	36.61	-58.65	-13.00	-45.65
10500.03	V	312	341	-72.13	11.25	46.12	-49.14	-13.00	-36.14
14000.04	V	248	343	-73.68	14.27	47.59	-47.67	-13.00	-34.67
17500.05	V	-	-	-77.08	16.44	46.36	-48.90	-13.00	-35.90
21000.06	V	-	-	-66.42	3.59	44.18	-60.62	-13.00	-47.62
24500.07	V	-	-	-67.10	4.41	44.31	-60.49	-13.00	-47.49
28000.08	V	-	-	-66.10	4.94	45.84	-58.96	-13.00	-45.96

Table 7-41. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant G) – Closed

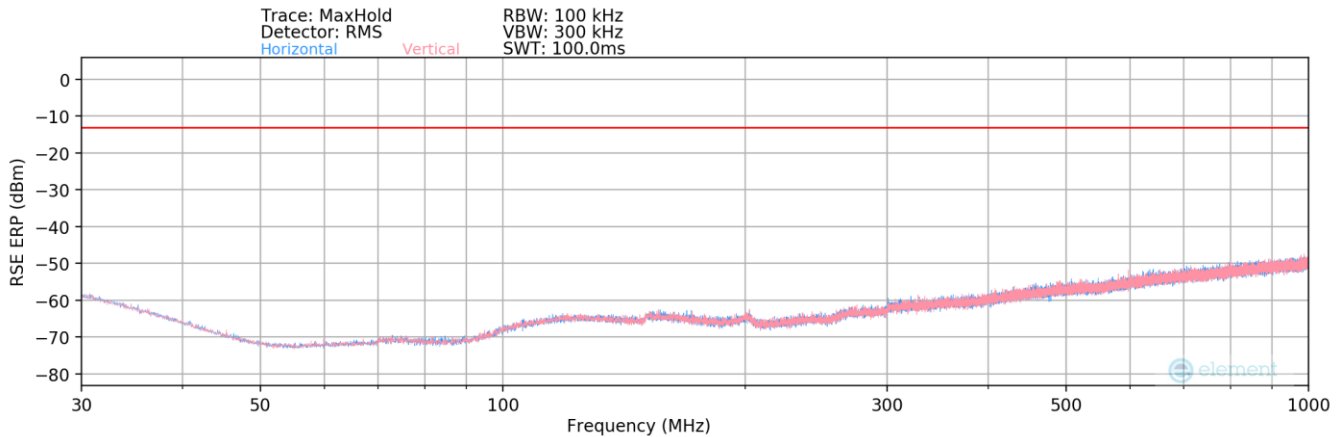
Bandwidth (MHz):	50
Frequency (MHz):	3525.00
RB / Offset:	1 / 66
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
881.25	V	-	-	-83.59	30.43	53.84	-41.41	-13.00	-28.41
7050.00	V	157	70	-75.06	6.76	38.70	-56.56	-13.00	-43.56
10575.00	V	118	348	-67.22	11.38	51.16	-44.10	-13.00	-31.10
14100.00	V	306	347	-75.07	14.75	46.68	-48.57	-13.00	-35.57
17625.00	V	-	-	-77.20	18.16	47.96	-56.84	-13.00	-43.84
21150.00	V	-	-	-68.45	3.83	42.37	-62.43	-13.00	-49.43
24675.00	V	-	-	-67.49	4.36	43.87	-60.93	-13.00	-47.93
28200.00	V	-	-	-67.48	5.05	44.58	-60.22	-13.00	-47.22

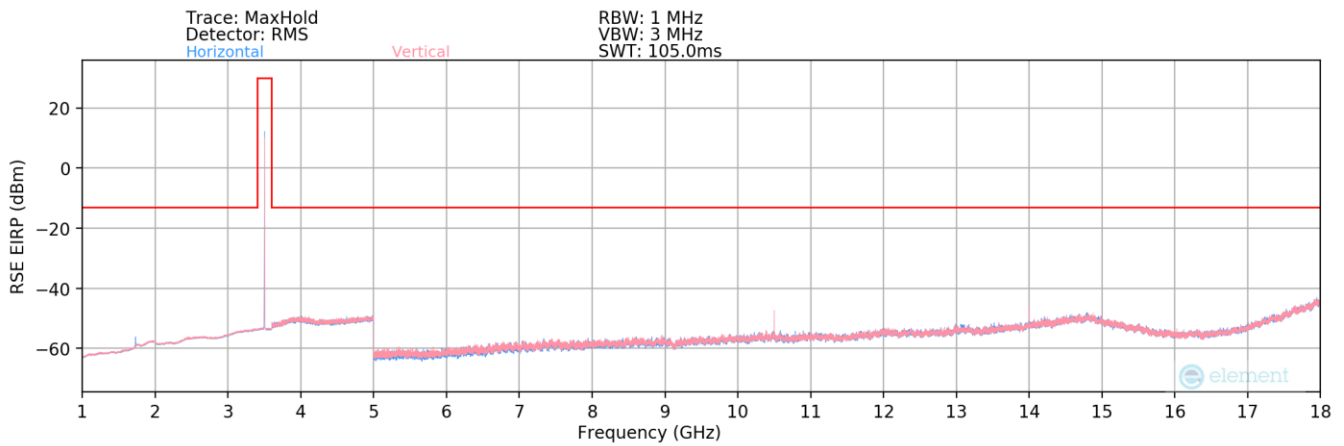
Table 7-42. Radiated Spurious Data (NR Band n77 (DoD) – High Channel – Ant G) – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 284 of 301

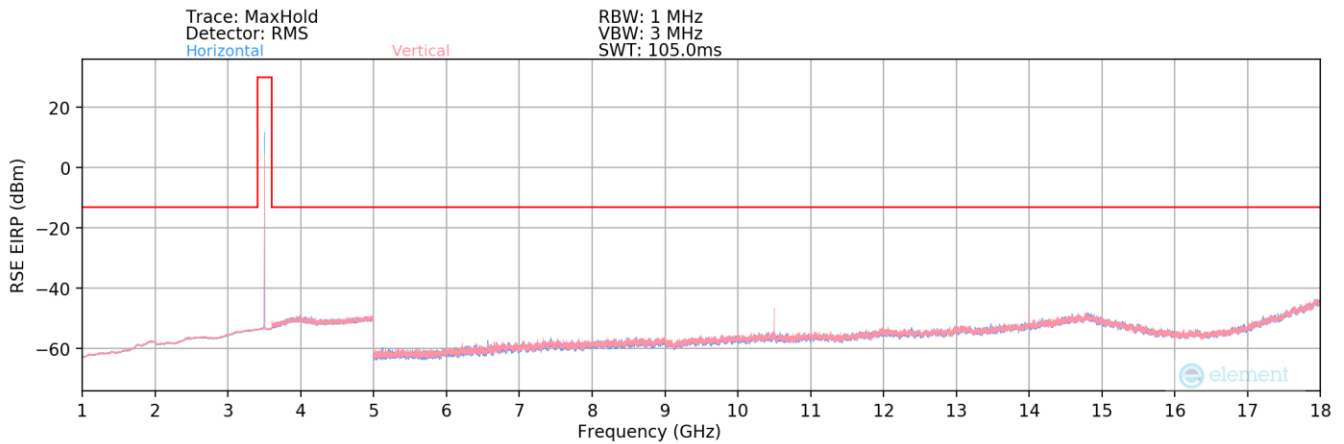
NR Band n77 – DoD Band – SRS-4 – Ant D



Plot 7-468. Radiated Spurious Plot (NR Band n77 (DoD) – Ant D) below 1GHz – Closed

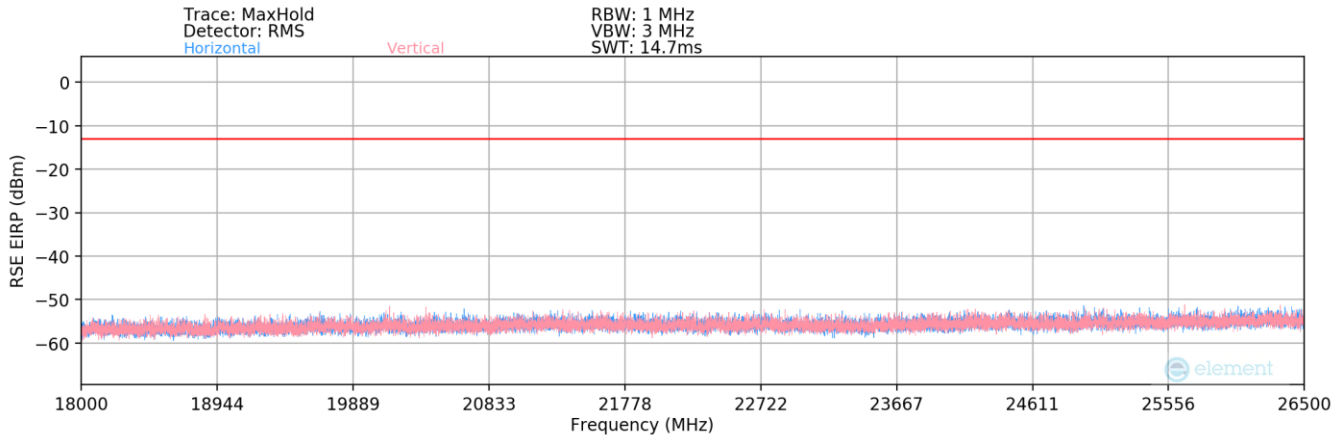


Plot 7-469. Radiated Spurious Plot (NR Band n77 (DoD) – Ant D) above 1GHz – Closed

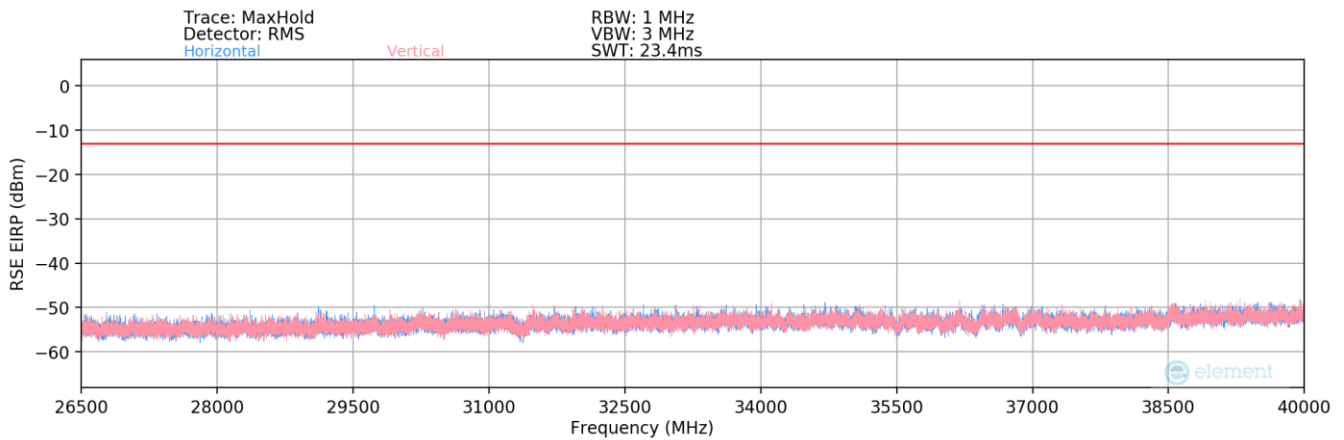


Plot 7-470. Radiated Spurious Plot (NR Band n77 (DoD) – Ant D) above 1GHz – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 285 of 301



Plot 7-471. Radiated Spurious Plot (NR Band n77 (DoD) – Ant D) above 18GHz – Closed



Plot 7-472. Radiated Spurious Plot (NR Band n77 (DoD) – Ant D) above 26.5GHz – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 286 of 301

Bandwidth (MHz):	50
Frequency (MHz):	3475.02
RB / Offset:	1 / 66
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
868.76	H	-	-	-82.65	30.41	54.76	-40.50	-13.00	-27.50
6950.04	H	158	31	-71.51	5.52	41.01	-54.25	-13.00	-41.25
10425.06	H	121	39	-69.78	11.43	48.65	-46.61	-13.00	-33.61
13900.08	H	347	348	-72.95	13.86	47.91	-47.35	-13.00	-34.35
17375.10	H	-	-	-77.22	15.29	45.07	-50.19	-13.00	-37.19
20850.12	H	-	-	-66.51	3.39	43.87	-60.93	-13.00	-47.93
24325.14	H	-	-	-66.88	4.60	44.72	-60.08	-13.00	-47.08
27800.16	H	-	-	-68.11	5.03	43.92	-60.88	-13.00	-47.88

Table 7-43. Radiated Spurious Data (NR Band n77 (DoD) – Low Channel – Ant D) – Closed

Bandwidth (MHz):	50
Frequency (MHz):	3500.01
RB / Offset:	1 / 66
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]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
875.00	H	-	-	-83.87	30.42	53.55	-41.71	-13.00	-28.71
7000.02	H	109	36	-72.89	6.35	40.46	-54.80	-13.00	-41.80
10500.03	H	111	38	-65.01	11.25	53.24	-42.02	-13.00	-29.02
14000.04	H	325	62	-75.02	14.27	46.25	-49.01	-13.00	-36.01
17500.05	H	-	-	-77.10	16.44	46.34	-48.92	-13.00	-35.92
21000.06	H	-	-	-66.51	3.59	44.08	-60.72	-13.00	-47.72
24500.07	H	-	-	-67.11	4.41	44.30	-60.50	-13.00	-47.50
28000.08	H	-	-	-66.17	4.94	45.77	-59.03	-13.00	-46.03

Table 7-44. Radiated Spurious Data (NR Band n77 (DoD) – Mid Channel – Ant D) – Closed

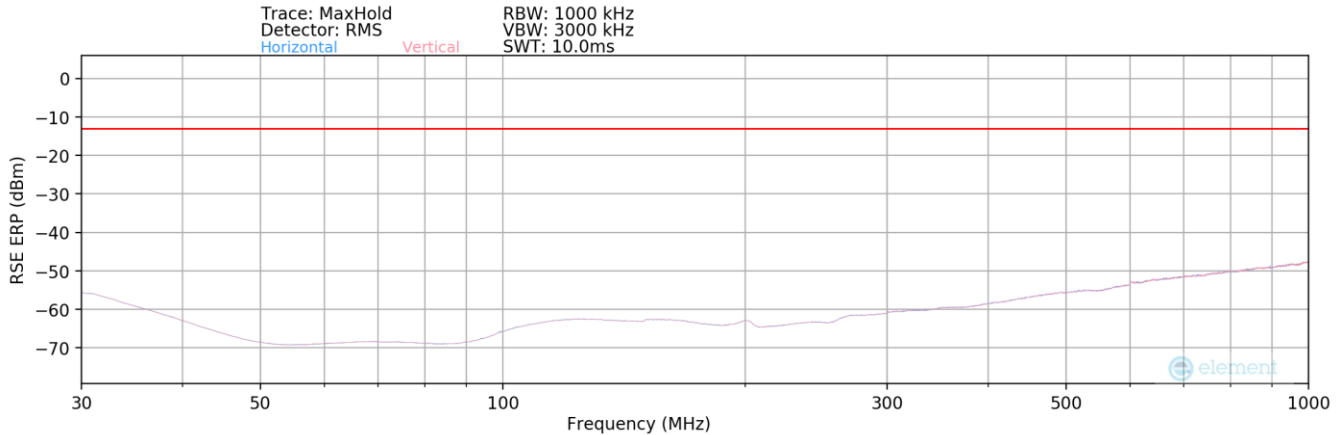
Bandwidth (MHz):	50
Frequency (MHz):	3525.00
RB / Offset:	1 / 66
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
881.25	H	-	-	-84.01	30.43	53.42	-41.83	-13.00	-28.83
7050.00	H	109	38	-70.77	6.76	42.99	-52.27	-13.00	-39.27
10575.00	H	113	37	-61.71	11.38	56.67	-38.59	-13.00	-25.59
14100.00	H	138	105	-77.35	14.75	44.40	-50.85	-13.00	-37.85
17625.00	H	-	-	-77.10	18.16	48.06	-47.20	-13.00	-34.20
21150.00	H	-	-	-68.02	3.83	42.81	-61.99	-13.00	-48.99
24675.00	H	-	-	-67.00	4.36	44.36	-60.44	-13.00	-47.44
28200.00	H	-	-	-67.05	5.05	45.01	-59.79	-13.00	-46.79

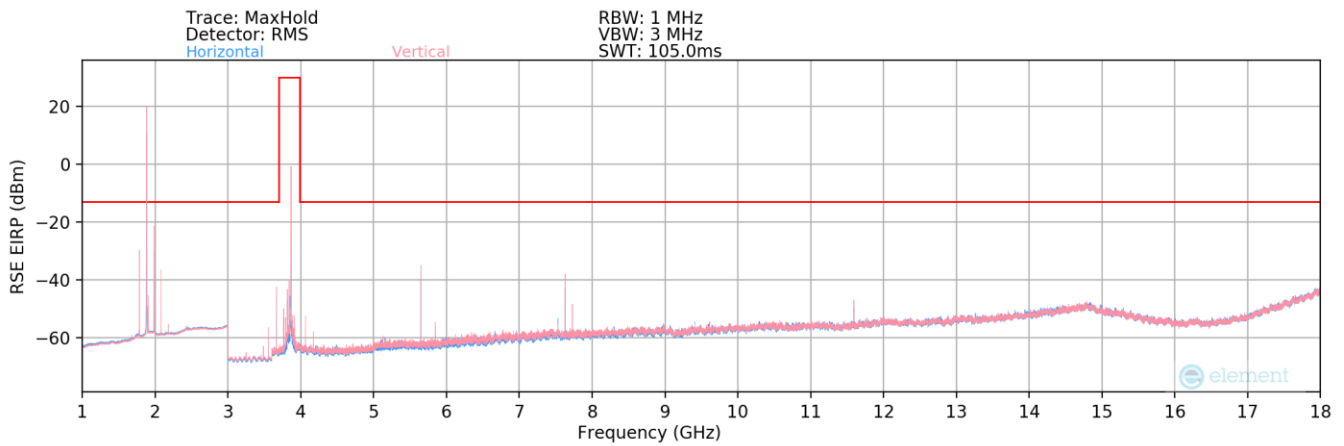
Table 7-45. Radiated Spurious Data (NR Band n77 (DoD) – High Channel – Ant D) – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 287 of 301

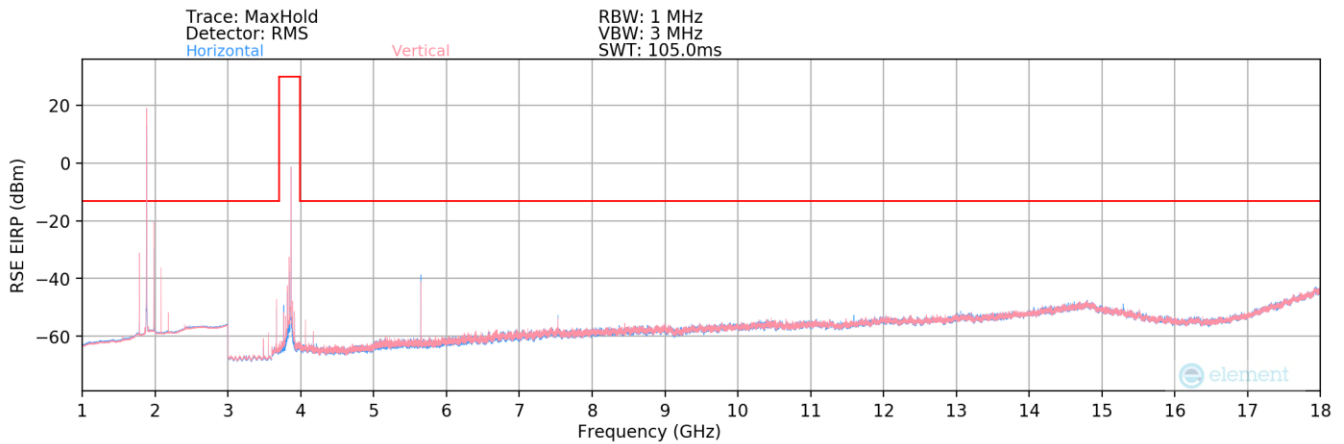
EN-DC NR Band n77 (C-Band) – LTE Band 25



Plot 7-473. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 25) below 1GHz – Closed

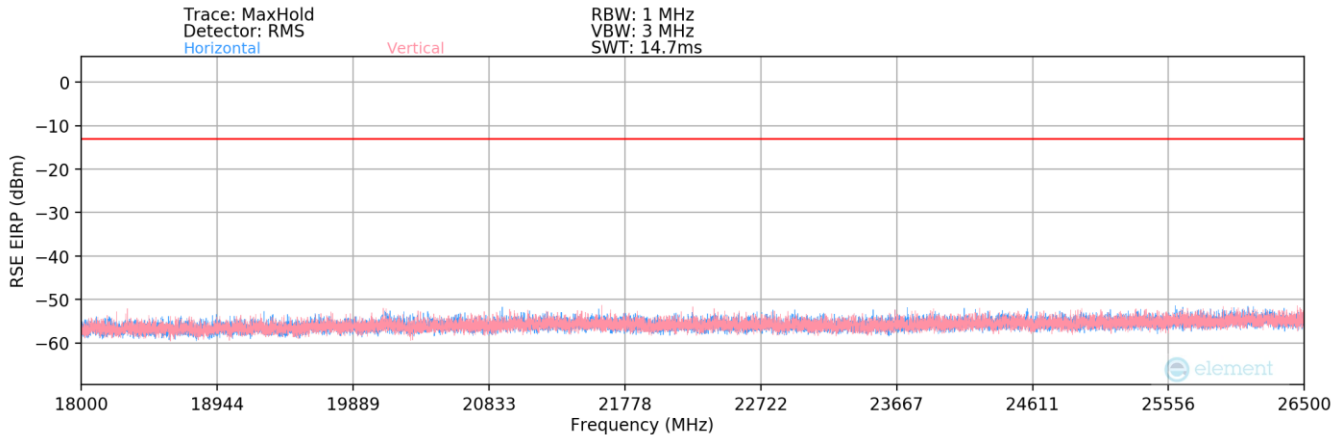


Plot 7-474. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 25) above 1GHz – Closed

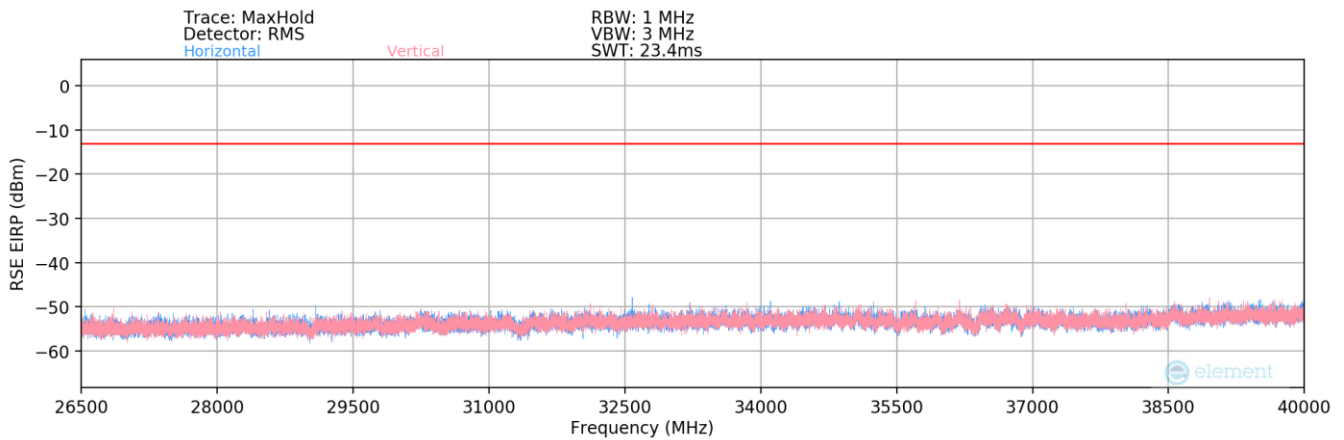


Plot 7-475. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 25) above 1GHz – Half

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 288 of 301



Plot 7-476. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 25) above 18GHz – Closed



Plot 7-477. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 25) above 26.5GHz – Closed

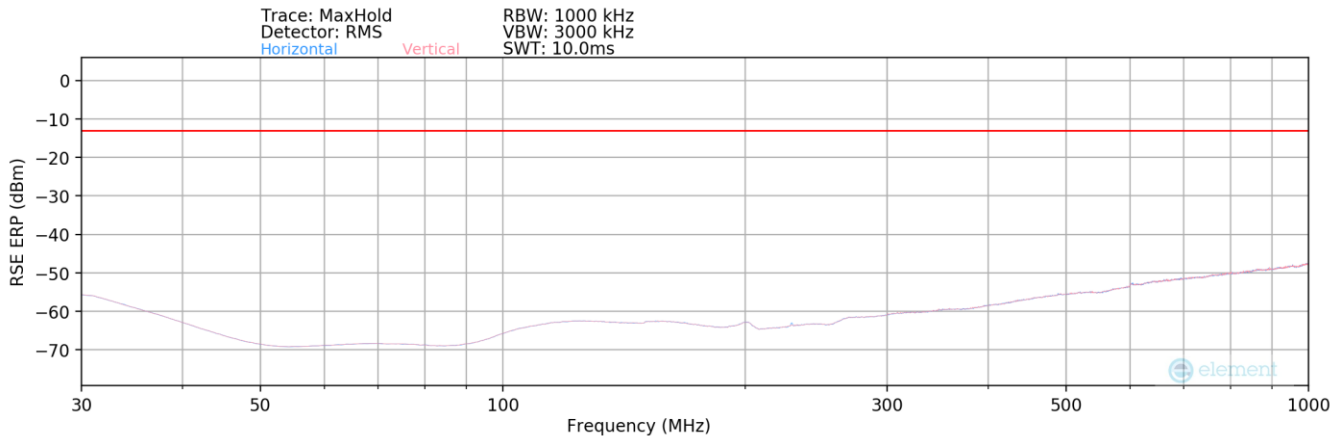
Bandwidth (MHz):	100 & 20
Frequency (MHz):	3840 & 1882.5
RB / Offset:	1 / 204 & 1 / 50
Mode:	EN-DC
Anchor Band:	LTE B25

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]
75.00	V	-	-	-95.27	14.34	26.07	-69.19	-13.00	-56.19
1783.00	V	146	81	-69.29	12.30	50.01	-45.24	-13.00	-32.24
1982.00	V	140	49	-45.31	13.24	74.93	-20.32	-13.00	-7.32
2081.00	V	122	293	-69.36	13.00	50.64	-44.62	-13.00	-31.62
3665.50	V	400	54	-68.43	18.27	56.84	-38.42	-13.00	-25.42
5647.50	V	293	240	-47.02	2.86	62.84	-32.42	-13.00	-19.42
7629.50	V	119	246	-54.09	6.69	59.60	-35.65	-13.00	-22.65
11593.50	V	114	358	-63.07	11.34	55.27	-39.99	-13.00	-26.99

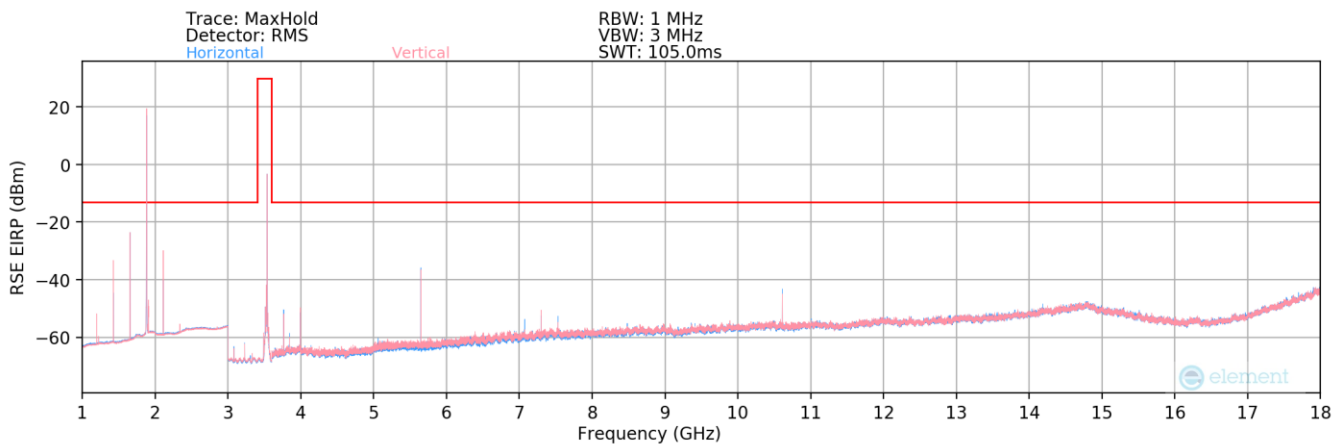
Table 7-46. Radiated Spurious Data (NR Band n77 (C-Band) – LTE Band 25) – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 289 of 301

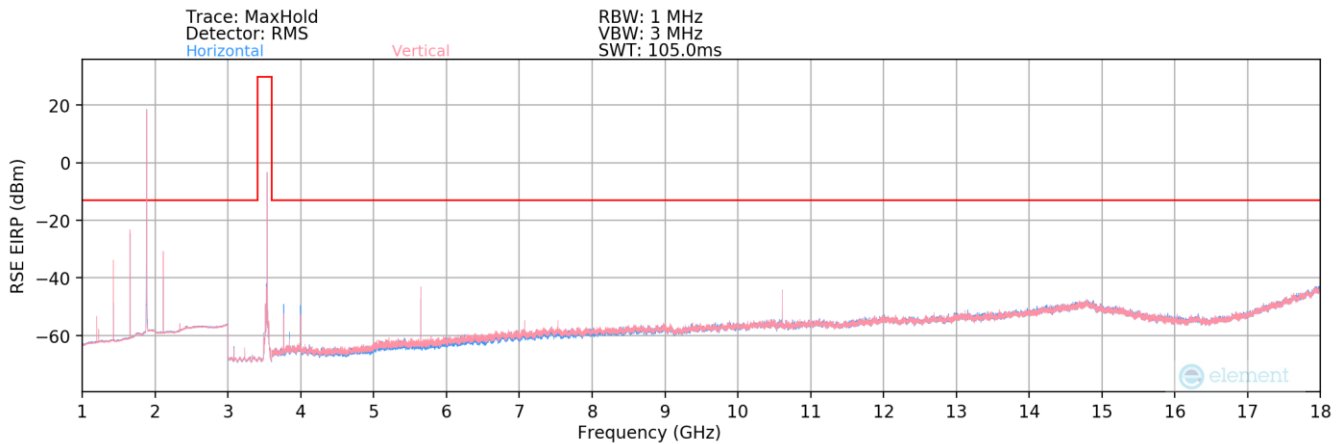
EN-DC NR Band n77 (DoD Band) – LTE Band 25



Plot 7-478. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 25) below 1GHz – Closed

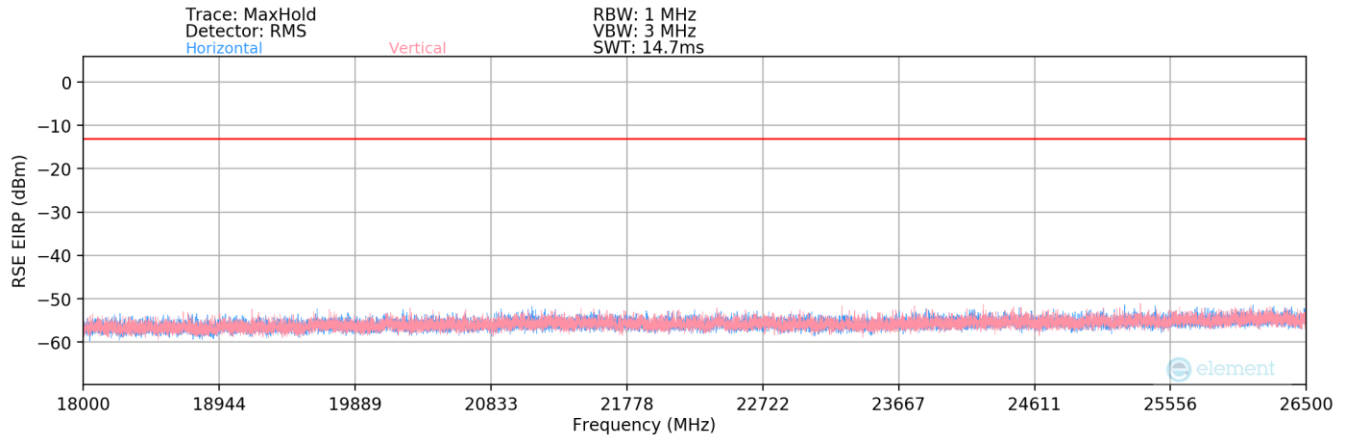


Plot 7-479. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 25) above 1GHz – Closed

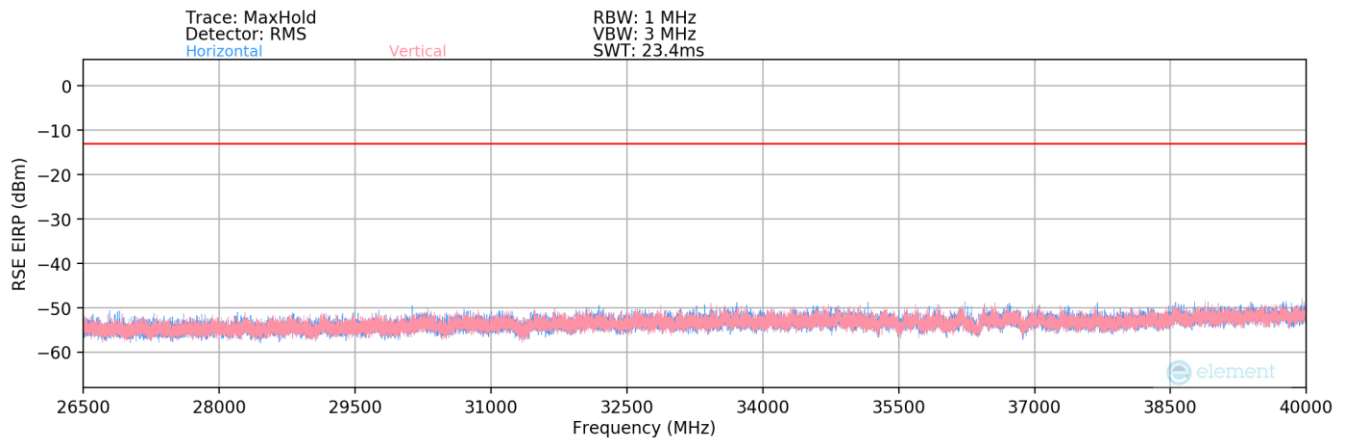


Plot 7-480. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 25) above 1GHz – Half

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 290 of 301



Plot 7-481. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 25) above 18GHz – Closed



Plot 7-482. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 25) above 26.5GHz – Closed

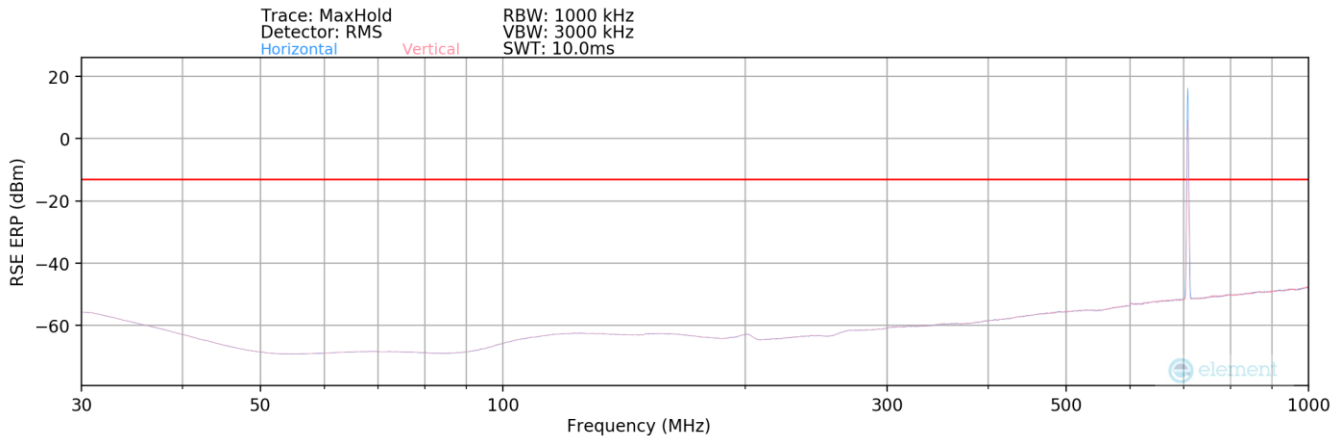
Bandwidth (MHz):	50 & 20
Frequency (MHz):	3525 & 1882.5
RB / Offset:	1 / 99 & 1 / 50
Mode:	EN-DC
Anchor Band:	LTE B25

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	-	-	-94.68	18.60	30.92	-64.34	-13.00	-51.34
1425.50	V	-	-	-68.70	9.79	48.09	-47.17	-13.00	-34.17
1654.00	V	134	63	-42.28	10.62	75.34	-19.92	-13.00	-6.92
2111.00	V	153	66	-69.39	13.01	50.62	-44.63	-13.00	-31.63
5647.50	V	161	210	-50.45	2.86	59.41	-35.85	-13.00	-22.85
7181.00	V	-	-	-76.70	6.21	36.51	-58.75	-13.00	-45.75
7302.00	V	231	238	-65.13	6.45	48.32	-46.94	-13.00	-33.94
10610.50	V	157	8	-64.02	10.91	53.89	-41.36	-13.00	-28.36

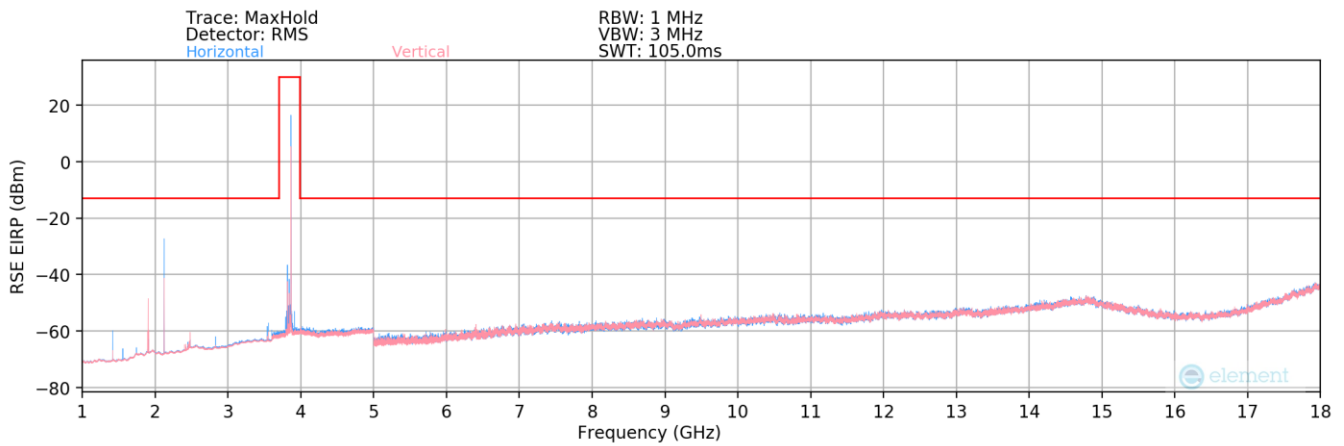
Table 7-47. Radiated Spurious Data (NR Band n77 (DoD Band) – LTE Band 25) – Closed

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 291 of 301

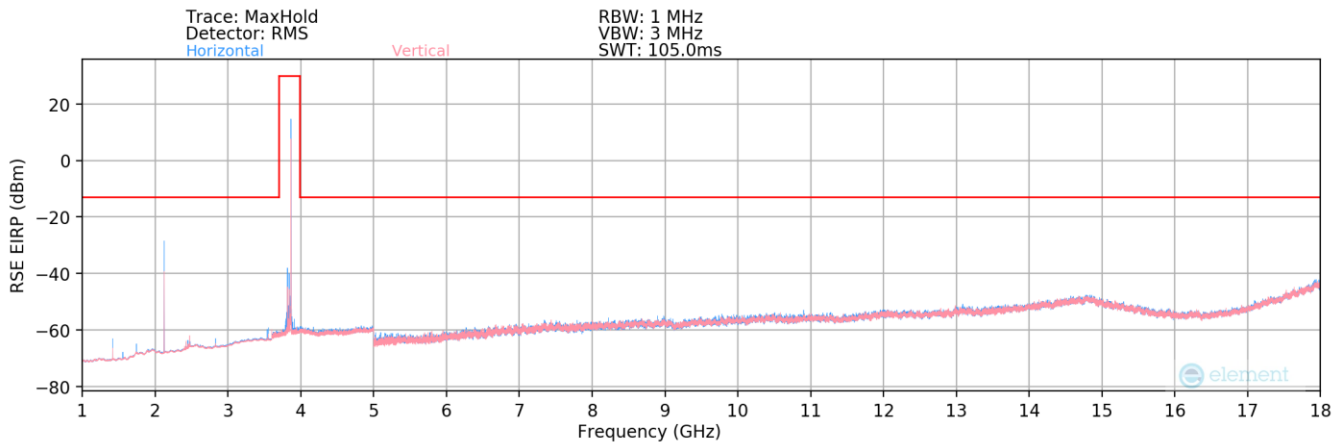
EN-DC NR Band n77 (C-Band) – LTE Band 12



Plot 7-483. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 12) below 1GHz – Open

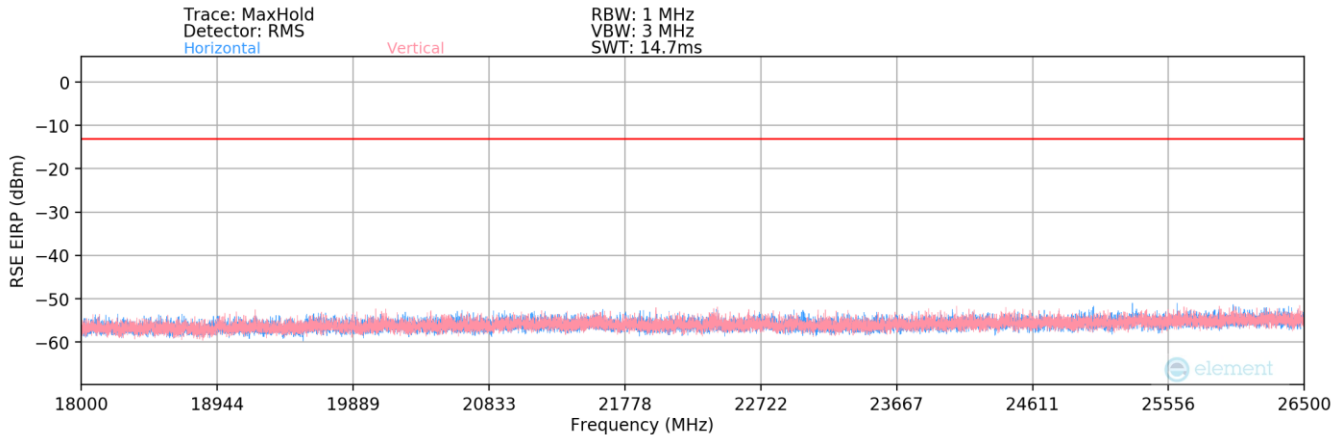


Plot 7-484. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 12) above 1GHz – Open

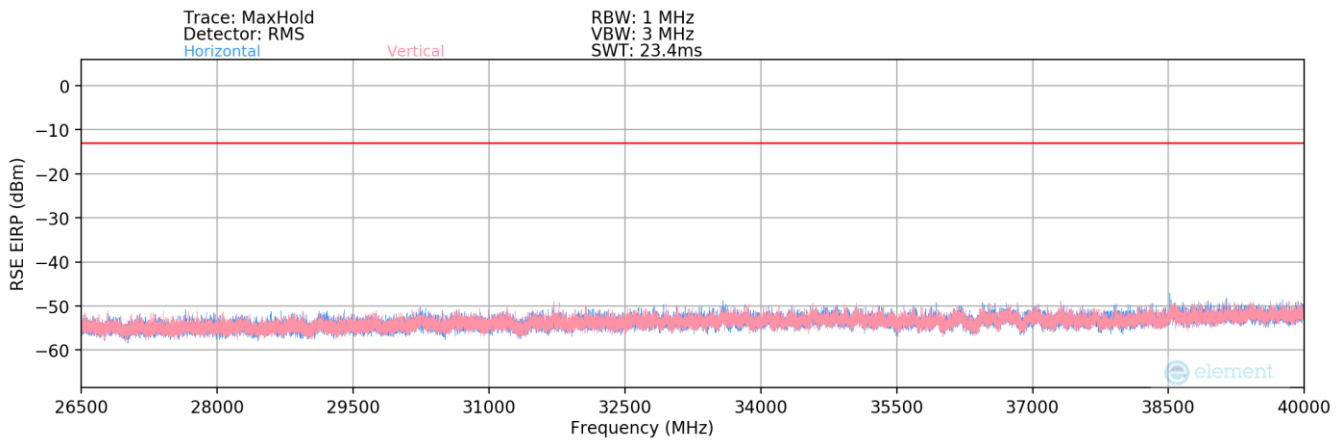


Plot 7-485. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 12) above 1GHz – Half

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 292 of 301



Plot 7-486. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 12) above 18GHz – Open



Plot 7-487. Radiated Spurious Plot (NR Band n77 (C-Band) – LTE Band 12) above 26.5GHz – Open

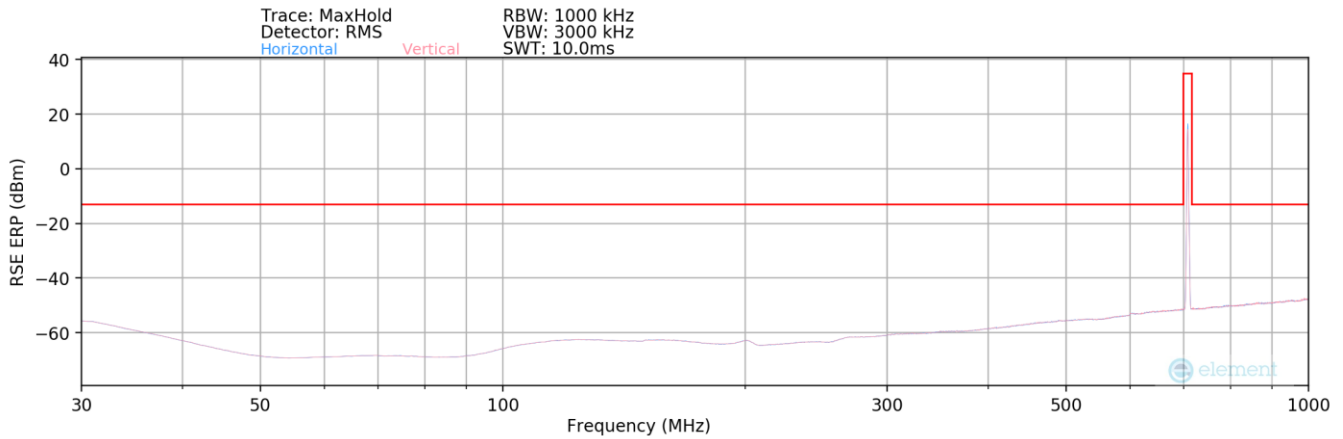
Bandwidth (MHz):	100 & 10
Frequency (MHz):	3840 & 707.5
RB / Offset:	1 / 204 & 1 / 25
Mode:	EN-DC
Anchor Band:	LTE Band 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
980.00	H	-	-	-84.65	31.26	53.61	-41.65	-13.00	-28.65
1415.00	H	301	130	-41.10	9.78	75.68	-19.58	-13.00	-6.58
1903.50	V	-	-	-70.40	13.15	49.75	-45.50	-13.00	-32.50
2122.50	H	125	260	-46.07	13.07	74.00	-21.25	-13.00	-8.25
3557.50	H	-	-	-71.59	18.07	53.48	-41.78	-13.00	-28.78
10105.00	H	-	-	-78.19	10.81	39.62	-55.64	-13.00	-42.64
23580.00	H	-	-	-66.36	3.80	44.45	-50.81	-13.00	-37.81
31440.00	H	-	-	-68.51	6.85	45.33	-49.93	-13.00	-36.93

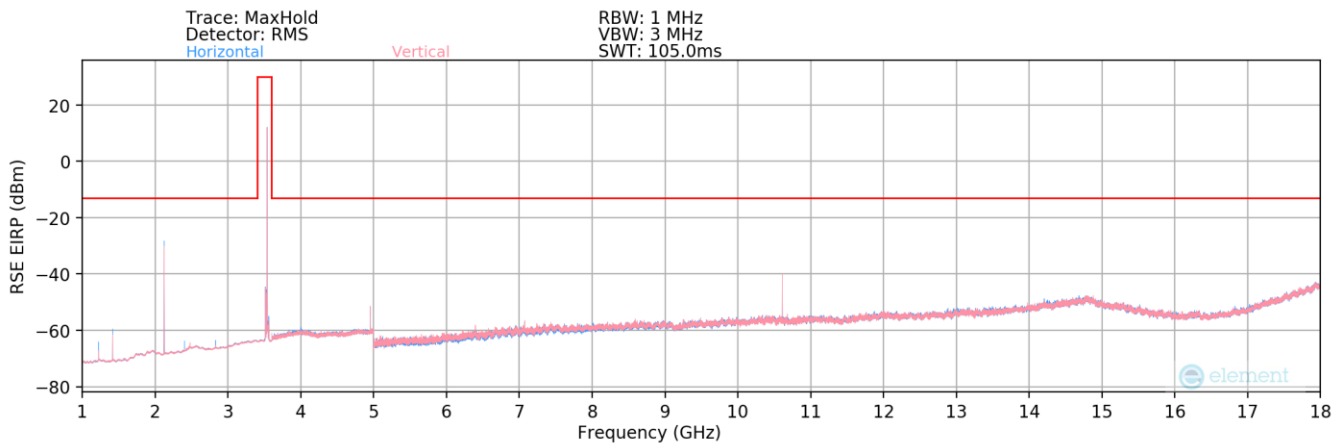
Table 7-48. Radiated Spurious Data (NR Band n77 (C-Band) – LTE Band 12) – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 293 of 301

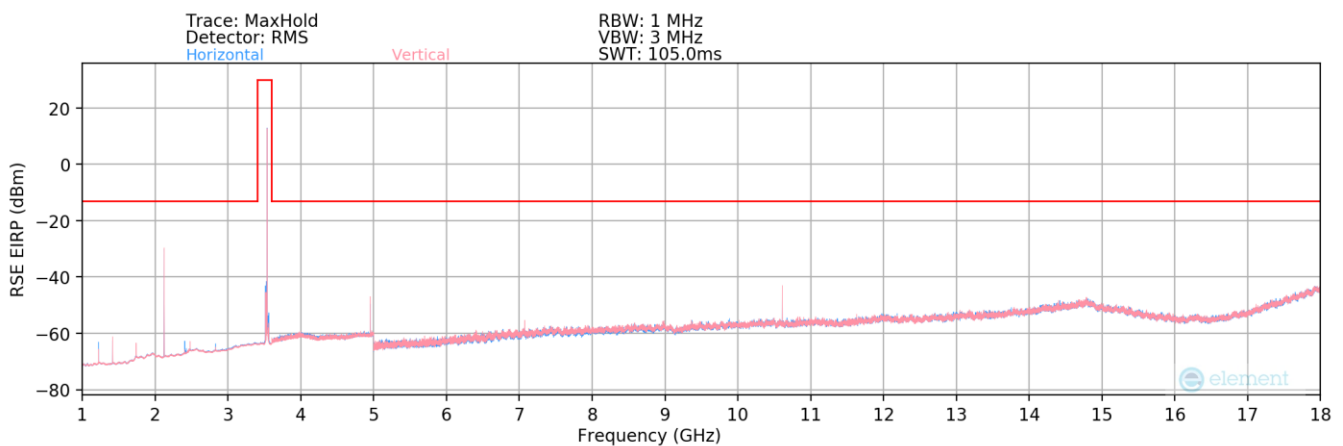
EN-DC NR Band n77 (DoD Band) – LTE Band 12



Plot 7-488. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 12) below 1GHz – Open

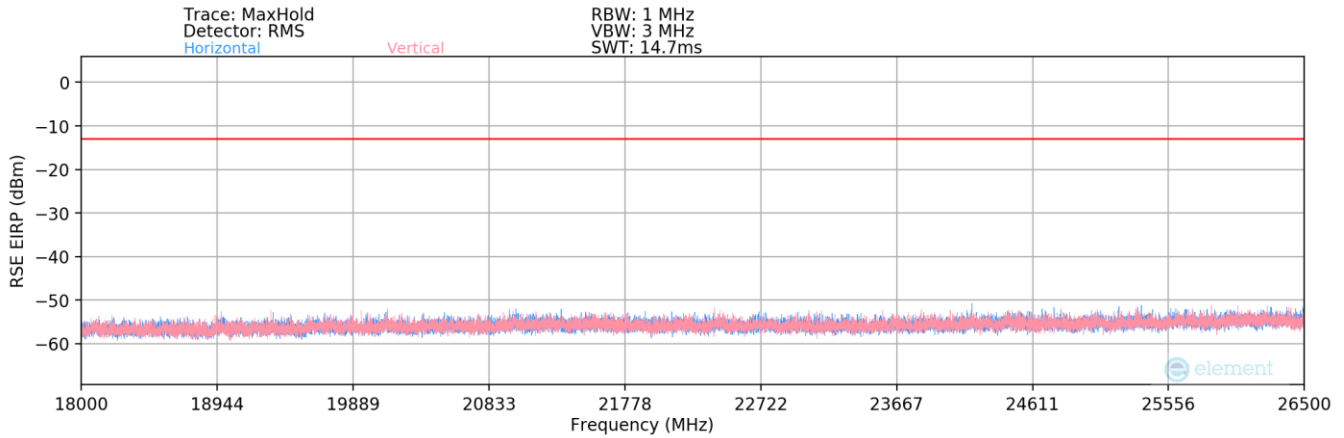


Plot 7-489. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 12) above 1GHz – Open

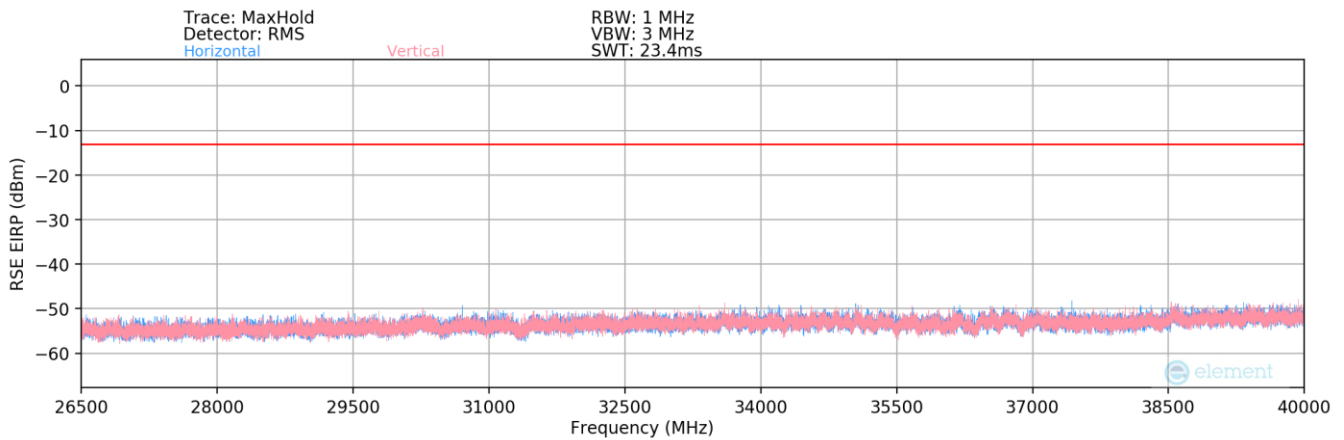


Plot 7-490. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 12) above 1GHz – Half

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 294 of 301



Plot 7-491. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 12) above 18GHz – Open



Plot 7-492. Radiated Spurious Plot (NR Band n77 (DoD Band) – LTE Band 12) above 26.5GHz – Open

Bandwidth (MHz):	50 & 10
Frequency (MHz):	3525 & 707.5
RB / Offset:	1 / 99 & 1 / 25
Mode:	EN-DC
Anchor Band:	LTE Band 12

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
980.00	H	-	-	-84.39	31.26	53.87	-41.39	-13.00	-28.39
1222.50	H	169	56	-69.38	9.02	46.64	-48.62	-13.00	-35.62
1415.00	H	303	135	-41.16	9.78	75.62	-19.64	-13.00	-6.64
2122.50	H	131	255	-45.80	13.07	74.27	-20.98	-13.00	-7.98
4952.00	H	188	100	-59.14	20.59	68.45	-26.80	-13.00	-13.80
10610.50	H	115	328	-62.35	10.92	55.57	-39.69	-13.00	-26.69
21150.00	H	-	-	-67.54	3.83	43.29	-51.97	-13.00	-38.97
28200.00	H	-	-	-67.15	5.05	44.90	-50.35	-13.00	-37.35

Table 7-49. Radiated Spurious Data (NR Band n77 (DoD Band) – LTE Band 12) – Open

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 295 of 301

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

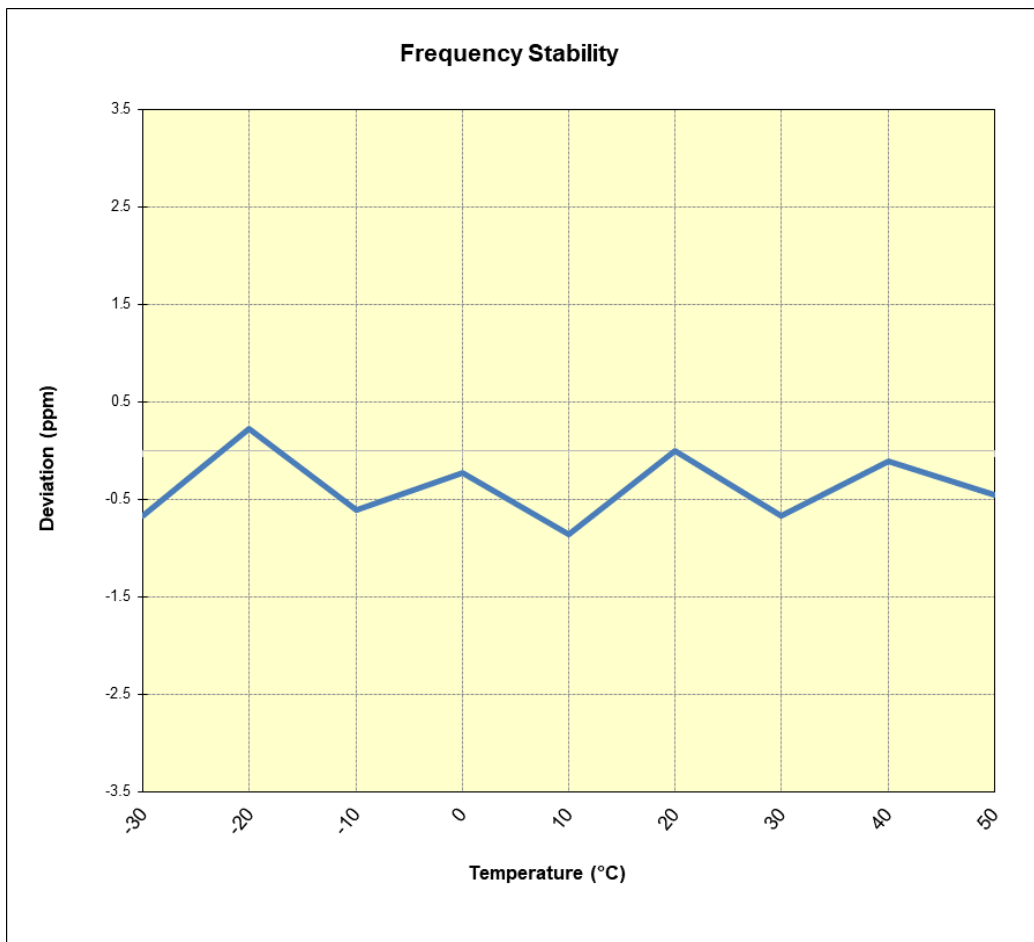
None

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 296 of 301

V3.0 1/6/2022

NR Band n77 - C-band					
		Operating Frequency (Hz):		3,840,000,000	
		Ref. Voltage (VDC):		4.27	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.27	- 30	3,839,935,079	-2,538	-0.0000661
		- 20	3,839,938,475	858	0.0000223
		- 10	3,839,935,282	-2,335	-0.0000608
		0	3,839,936,743	-874	-0.0000228
		+ 10	3,839,934,320	-3,297	-0.0000859
		+ 20 (Ref)	3,839,937,617	0	0.0000000
		+ 30	3,839,935,070	-2,547	-0.0000663
		+ 40	3,839,937,189	-428	-0.0000111
		+ 50	3,839,935,866	-1,751	-0.0000456
Battery Endpoint	3.75	+ 20	3,839,936,471	-1,146	-0.0000298

Table 7-50. NR Band 77 (C-band) Frequency Stability Data – Ant F

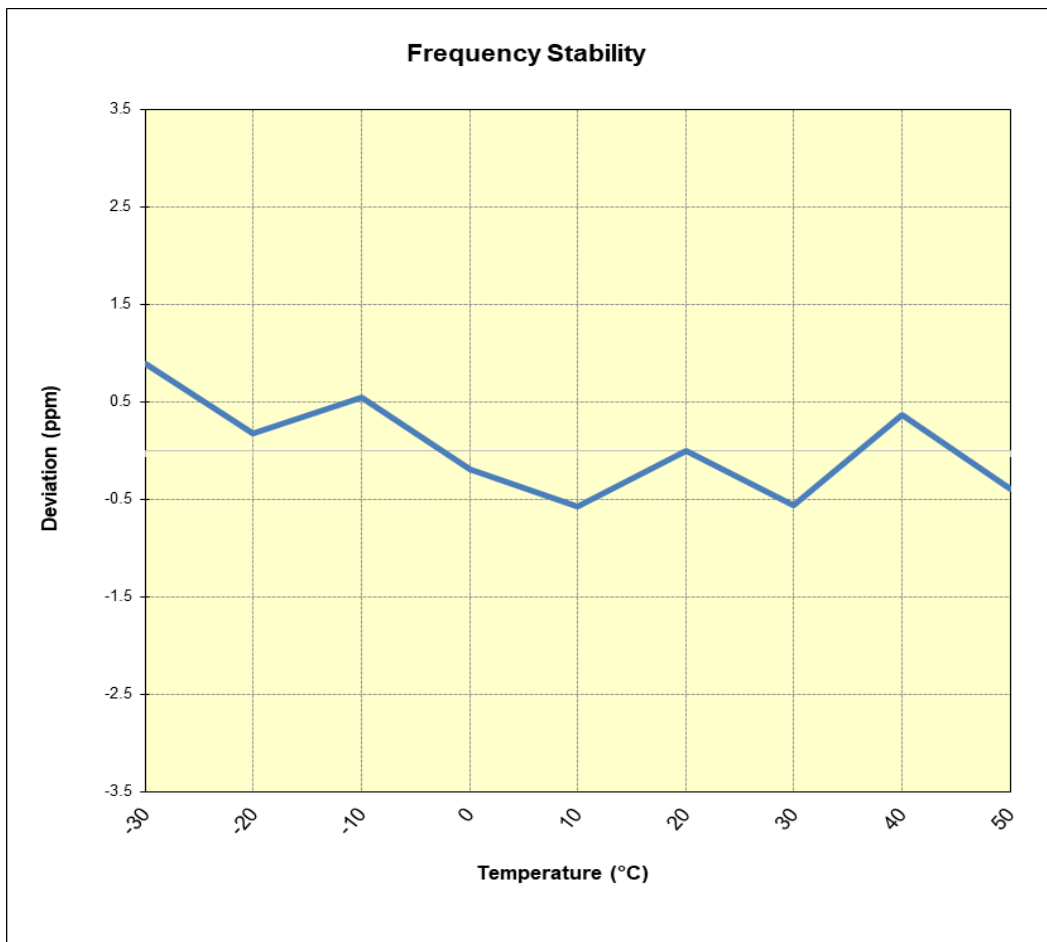


Plot 7-493. NR Band 77 (C-band) Frequency Stability Chart – Ant F

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 297 of 301

NR Band n77 - DoD Band					
Operating Frequency (Hz):		3,500,000,000			
Ref. Voltage (VDC):		4.27			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.27	- 30	3,499,965,157	3,120	0.0000891
		- 20	3,499,962,663	626	0.0000179
		- 10	3,499,963,946	1,909	0.0000545
		0	3,499,961,370	-667	-0.0000191
		+ 10	3,499,960,047	-1,990	-0.0000569
		+ 20 (Ref)	3,499,962,037	0	0.0000000
		+ 30	3,499,960,065	-1,972	-0.0000563
		+ 40	3,499,963,317	1,280	0.0000366
		+ 50	3,499,960,646	-1,391	-0.0000397
Battery Endpoint	3.75	+ 20	3,499,964,319	2,282	0.0000652

Table 7-51. NR Band 77 (DoD) Frequency Stability Data – Ant F

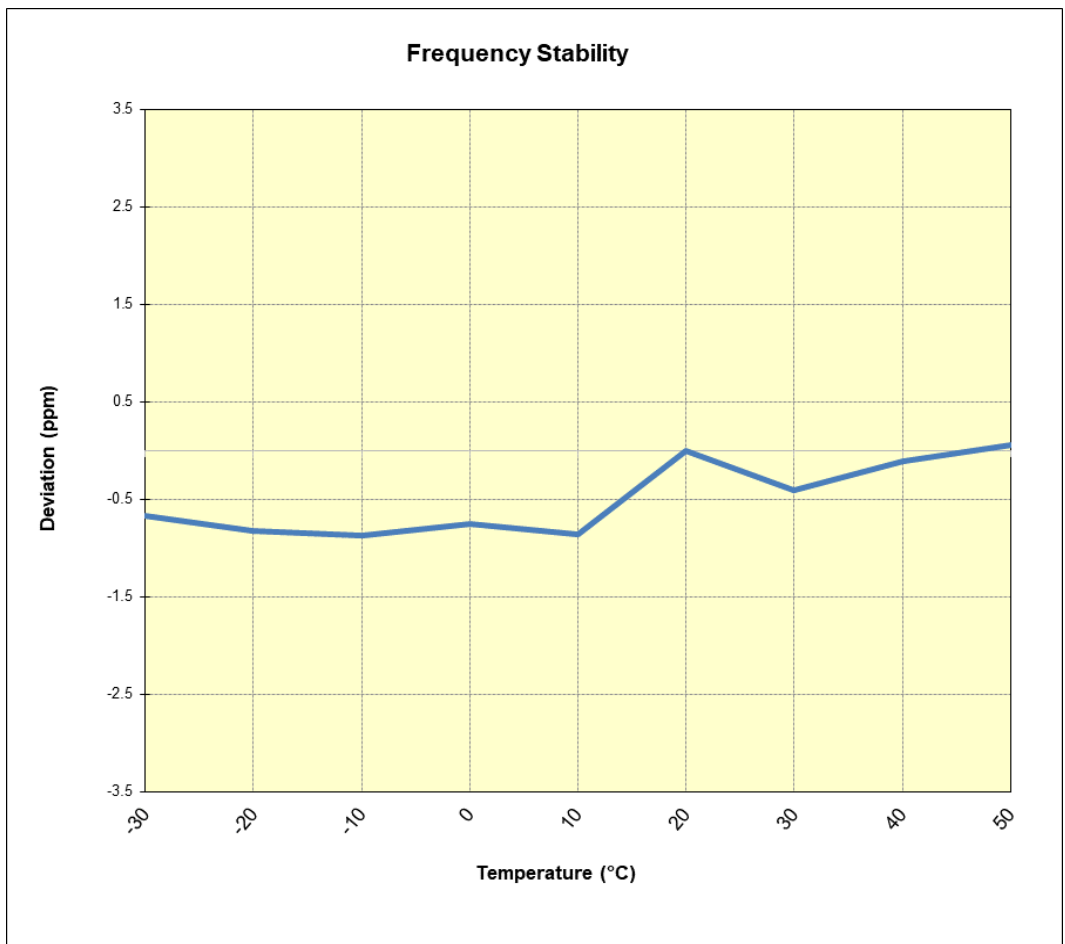


Plot 7-494. NR Band 77 (DoD) Frequency Stability Chart – Ant F

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 298 of 301

NR Band n77 - C-band					
		Operating Frequency (Hz):		3,840,000,000	
		Ref. Voltage (VDC):		4.27	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.27	- 30	3,839,955,079	-2,538	-0.0000661
		- 20	3,839,954,475	-3,142	-0.0000818
		- 10	3,839,954,282	-3,335	-0.0000868
		0	3,839,954,743	-2,874	-0.0000748
		+ 10	3,839,954,320	-3,297	-0.0000859
		+ 20 (Ref)	3,839,957,617	0	0.0000000
		+ 30	3,839,956,070	-1,547	-0.0000403
		+ 40	3,839,957,189	-428	-0.0000111
		+ 50	3,839,957,866	249	0.0000065
Battery Endpoint	3.75	+ 20	3,839,956,471	-1,146	-0.0000298

Table 7-52. NR Band 77 (C-band) Frequency Stability Data – Ant E

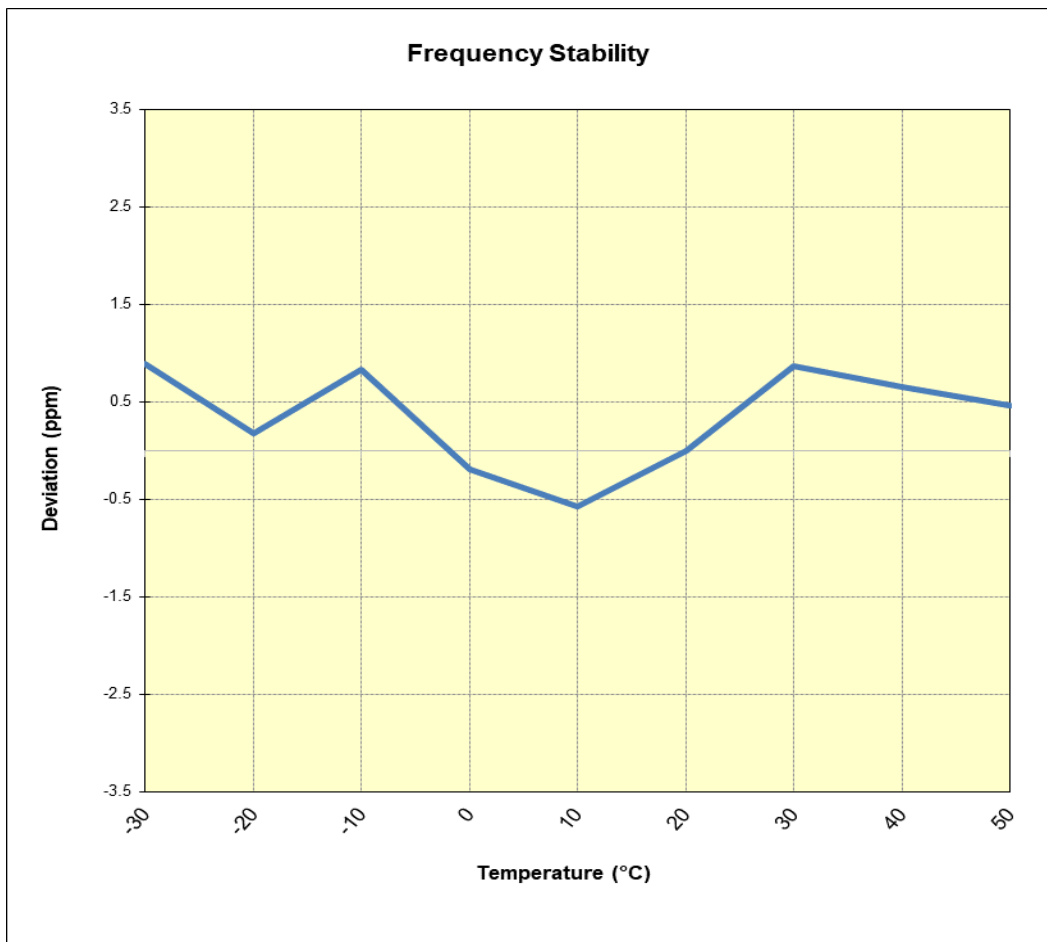


Plot 7-495. NR Band 77 (C-band) Frequency Stability Chart – Ant E

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 299 of 301

NR Band n77 - DoD Band					
Operating Frequency (Hz):		3,500,000,000			
Ref. Voltage (VDC):		4.27			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.27	- 30	3,499,935,157	3,120	0.0000891
		- 20	3,499,932,663	626	0.0000179
		- 10	3,499,934,946	2,909	0.0000831
		0	3,499,931,370	-667	-0.0000191
		+ 10	3,499,930,047	-1,990	-0.0000569
		+ 20 (Ref)	3,499,932,037	0	0.0000000
		+ 30	3,499,935,065	3,028	0.0000865
		+ 40	3,499,934,317	2,280	0.0000651
		+ 50	3,499,933,646	1,609	0.0000460
Battery Endpoint	3.75	+ 20	3,499,934,319	2,282	0.0000652

Table 7-53. NR Band 77 (DoD) Frequency Stability Data – Ant E



Plot 7-496. NR Band 77 (DoD) Frequency Stability Chart – Ant E

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 300 of 301

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMF936B** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: A3LSMF936B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2204110052-05.A3L	Test Dates: 4/11/2022 - 6/18/2022	EUT Type: Portable Handset	Page 301 of 301

V3.0 1/6/2022