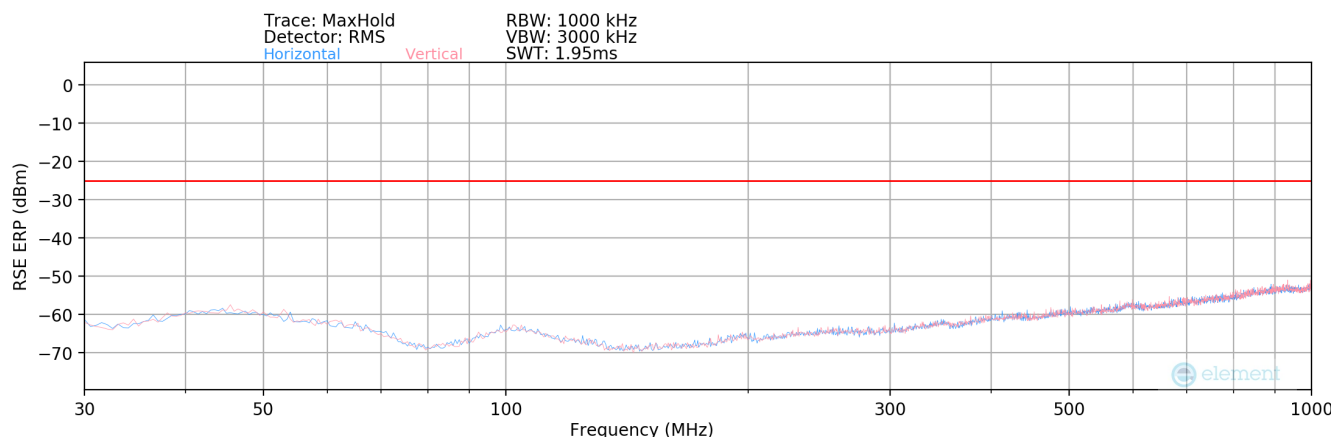
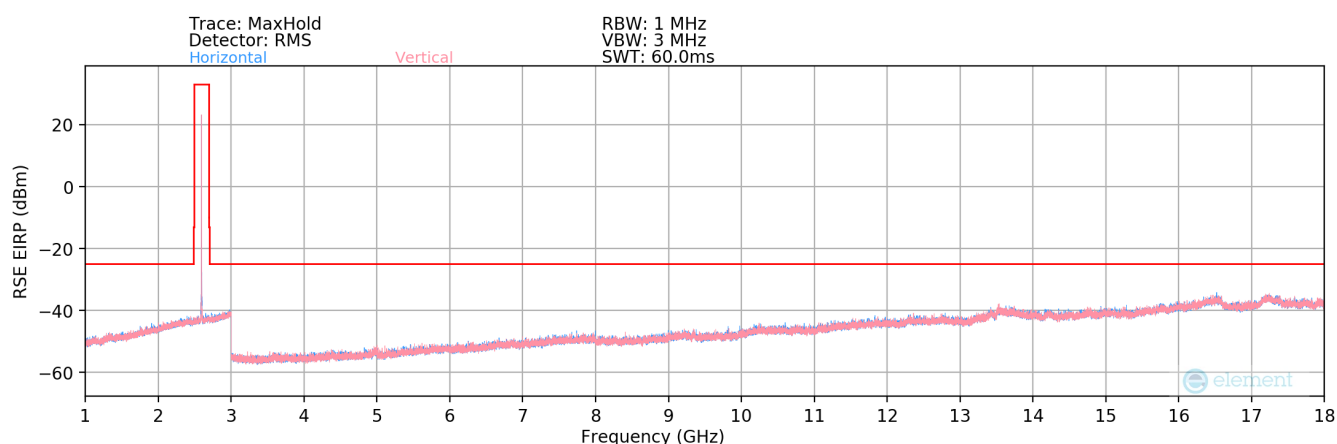


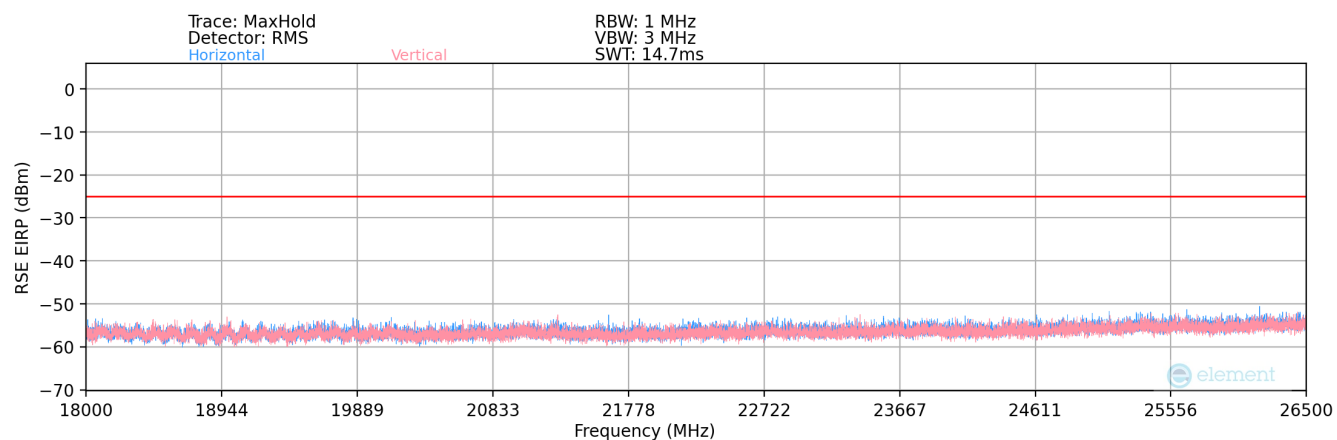
NR Band n41(PC2) – Default – Ant2



Plot 7-367. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant2)



Plot 7-368. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant2)



Plot 7-369. Radiated Spurious Plot NR Band n41(PC2) – Default – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency (MHz):	2592.99
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]
300.00	V	-	-	-64.65	-11.28	31.07	-66.34	-25.00	-41.34

Table 7-84. Radiated Spurious Data (NR Band n41(PC2) – Default – Ant2)

Frequency (MHz):	2546.01
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]
5092.02	V	-	-	-72.58	11.15	45.57	-49.69	-25.00	-24.69
7638.03	V	-	-	-75.22	16.58	48.36	-46.89	-25.00	-21.89
10184.04	V	-	-	-75.37	19.95	51.58	-43.68	-25.00	-18.68

Table 7-85. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Default – Ant2

Frequency (MHz):	2592.99
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]
5185.98	V	-	-	-73.92	11.76	44.84	-50.42	-25.00	-25.42
7778.97	V	-	-	-75.39	16.34	47.95	-47.31	-25.00	-22.31
10371.96	V	-	-	-76.24	19.99	50.75	-44.51	-25.00	-19.51

Table 7-86. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Default – Ant2

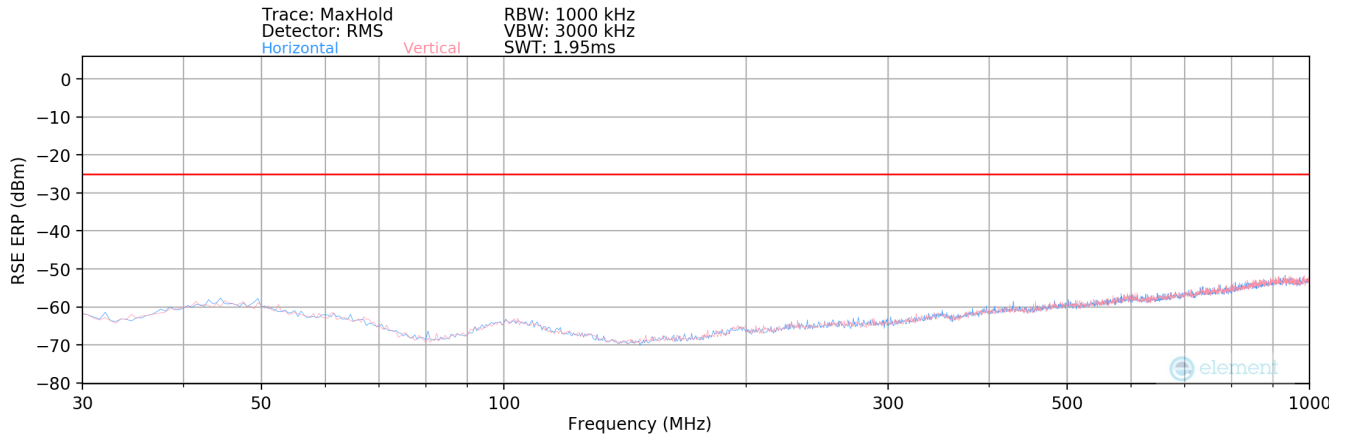
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	V	-	-	-73.59	10.85	44.26	-51.00	-25.00	-26.00
7920.00	V	-	-	-74.71	16.08	48.37	-46.89	-25.00	-21.89
10560.00	V	-	-	-76.82	20.29	50.47	-44.78	-25.00	-19.78

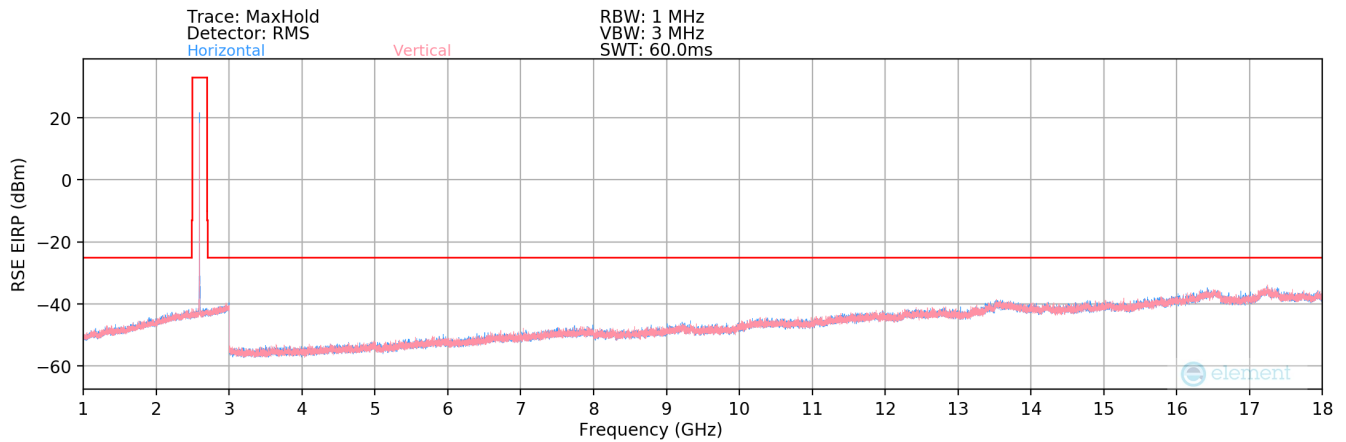
Table 7-87. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Default – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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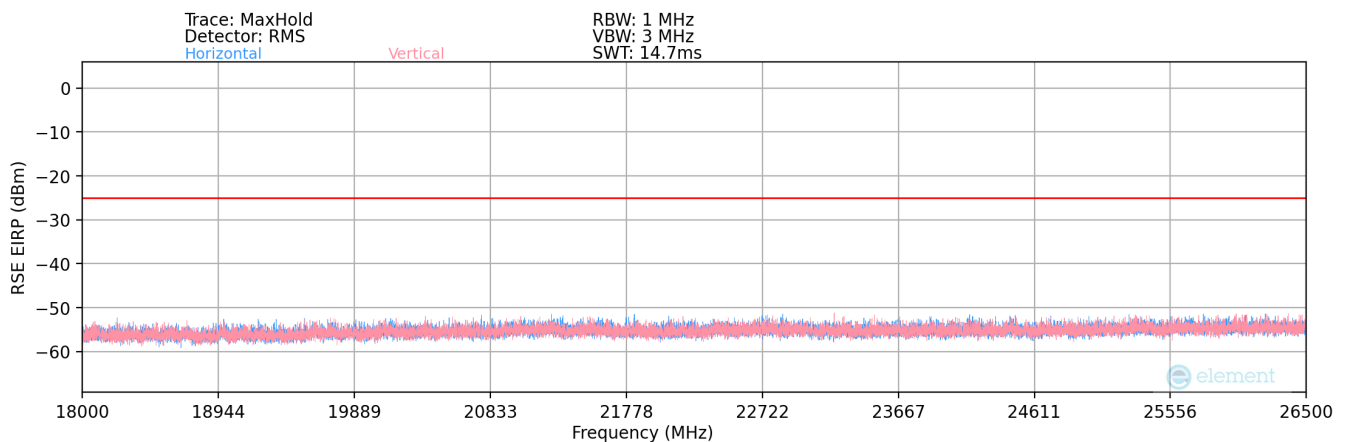
NR Band n41(PC2) – Switch – Ant2



Plot 7-370. Radiated Spurious Plot (NR Band n41(PC2) – Switch – Ant2



Plot 7-371. Radiated Spurious Plot (NR Band n41(PC2) – Switch – Ant2



Plot 7-372. Radiated Spurious Plot NR Band n41(PC2) – Switch – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2502270019-04.A3L	Test Dates: 2/24/2025 - 4/30/2025	EUT Type: Portable Handset	Page 260 of 276

Frequency (MHz):	2592.99
RB / Offset:	1 / 136
Anchor Band:	0

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]
300.00	V	-	-	-65.76	-11.28	29.96	-67.45	-25.00	-42.45

Table 7-88. Radiated Spurious Data (NR Band n41(PC2) – Switch – Ant2

Frequency (MHz):	2546.01
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]
5092.02	V	-	-	-73.50	11.15	44.65	-50.61	-25.00	-25.61
7638.03	V	0	0	-75.20	16.58	48.38	-46.87	-25.00	-21.87
10184.04	V	0	0	-76.06	19.95	50.89	-44.37	-25.00	-19.37

Table 7-89. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Switch – Ant2

Frequency (MHz):	2592.99
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]
5185.98	V	-	-	-72.89	11.76	45.87	-49.39	-25.00	-24.39
7778.97	V	-	-	-74.29	16.34	49.05	-46.21	-25.00	-21.21
10371.96	V	-	-	-76.17	19.99	50.82	-44.44	-25.00	-19.44

Table 7-90. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Switch – Ant2

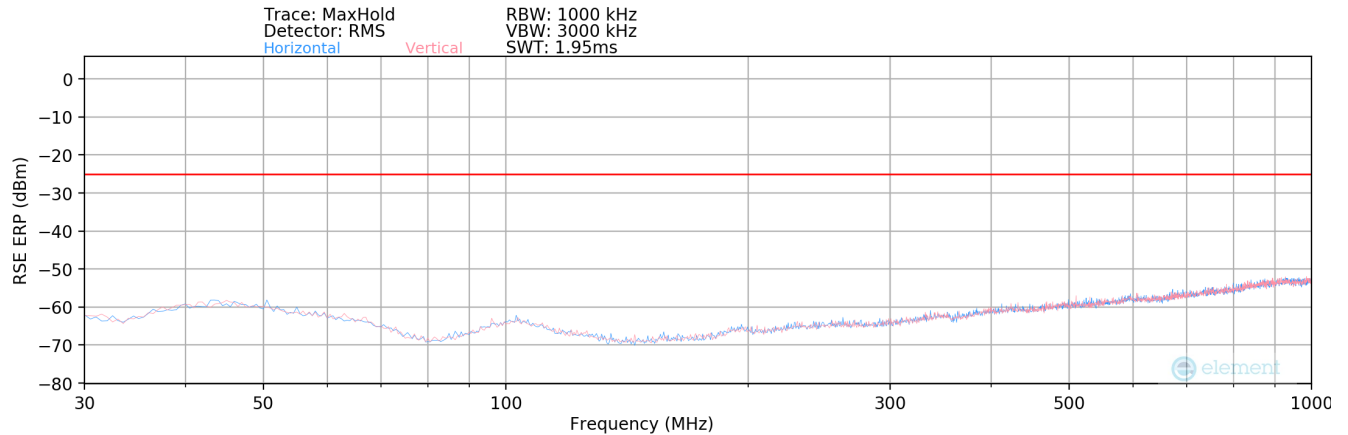
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	V	0	0	-73.66	10.85	44.19	-51.07	-25.00	-26.07
7920.00	V	0	0	-74.62	16.08	48.46	-46.80	-25.00	-21.80
10560.00	V	0	0	-76.31	20.29	50.98	-44.27	-25.00	-19.27

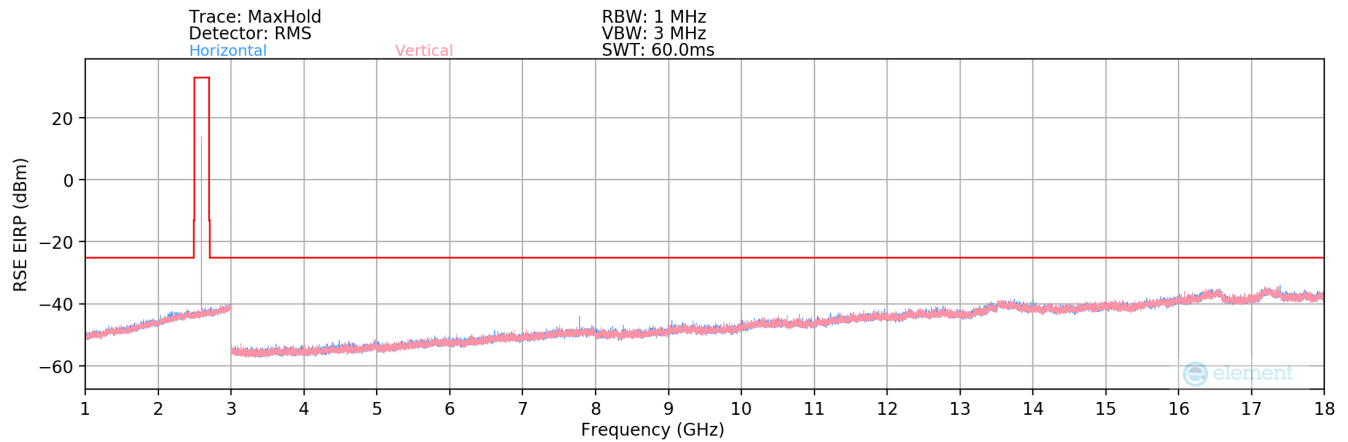
Table 7-91. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Switch – Ant2

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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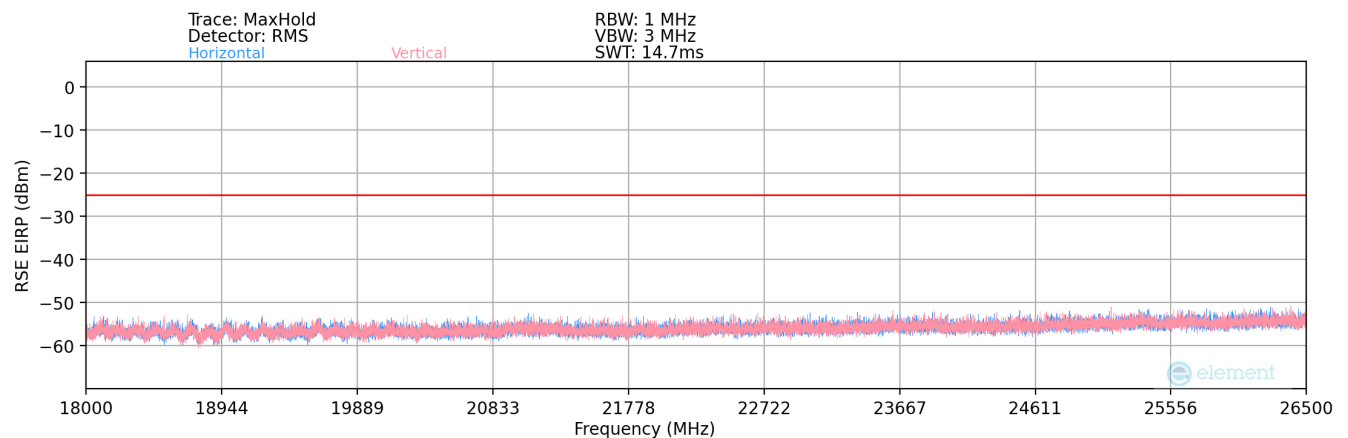
NR Band n41(PC2) – Default – Ant3



Plot 7-373. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant3)



Plot 7-374. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant3)



Plot 7-375. Radiated Spurious Plot NR Band n41(PC2) – Default – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency (MHz):	2592.99
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]
300.00	V	-	-	-64.35	-11.28	31.37	-66.04	-25.00	-41.04

Table 7-92. Radiated Spurious Data (NR Band n41(PC2) – Default – Ant3

Frequency (MHz):	2546.01
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]
5092.02	H	-	-	-70.79	7.68	43.89	-51.37	-25.00	-26.37
7638.03	H	-	-	-70.96	12.73	48.77	-46.49	-25.00	-21.49
10184.04	H	-	-	-73.23	15.76	49.53	-45.73	-25.00	-20.73

Table 7-93. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Default – Ant3

Frequency (MHz):	2592.99
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]
5185.98	H	-	-	-70.21	7.45	44.24	-51.02	-25.00	-26.02
7778.97	H	141	26	-66.34	12.94	53.60	-41.66	-25.00	-16.66
10371.96	H	-	-	-72.99	16.28	50.29	-44.97	-25.00	-19.97
12964.95	H	-	-	-78.17	19.87	48.70	-46.56	-25.00	-21.56
15557.94	H	-	-	-79.33	23.14	50.81	-44.45	-25.00	-19.45

Table 7-94. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Default – Ant3

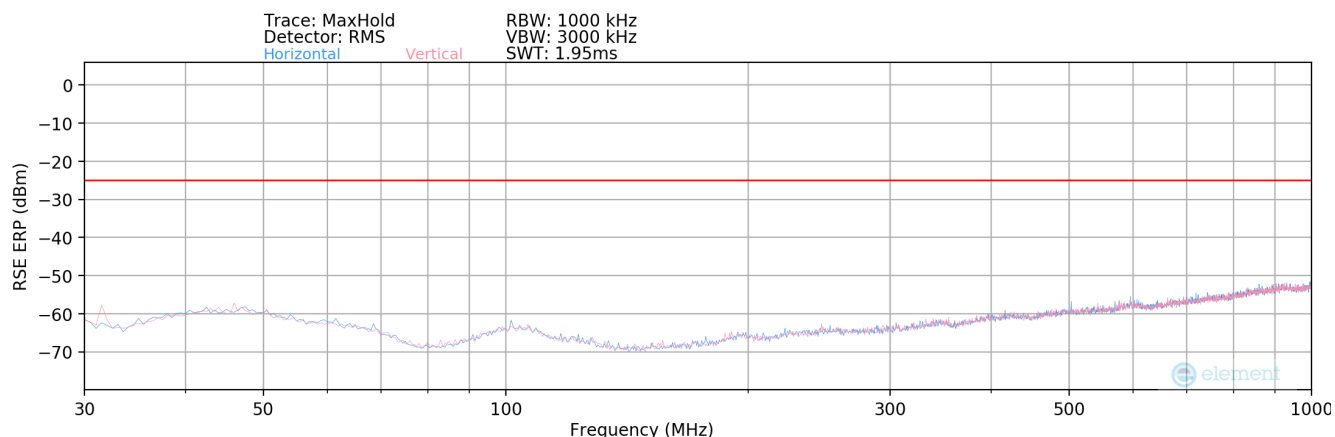
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	H	-	-	-71.18	7.38	43.20	-52.06	-25.00	-27.06
7920.00	H	-	-	-71.94	14.27	49.33	-45.92	-25.00	-20.92
10560.00	H	-	-	-73.21	16.41	50.20	-45.06	-25.00	-20.06

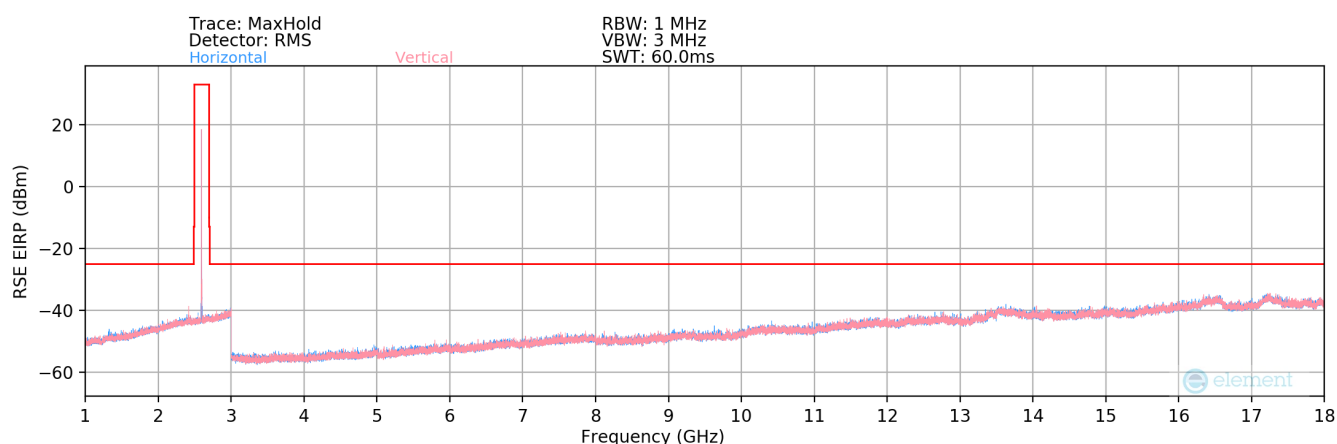
Table 7-95. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Default – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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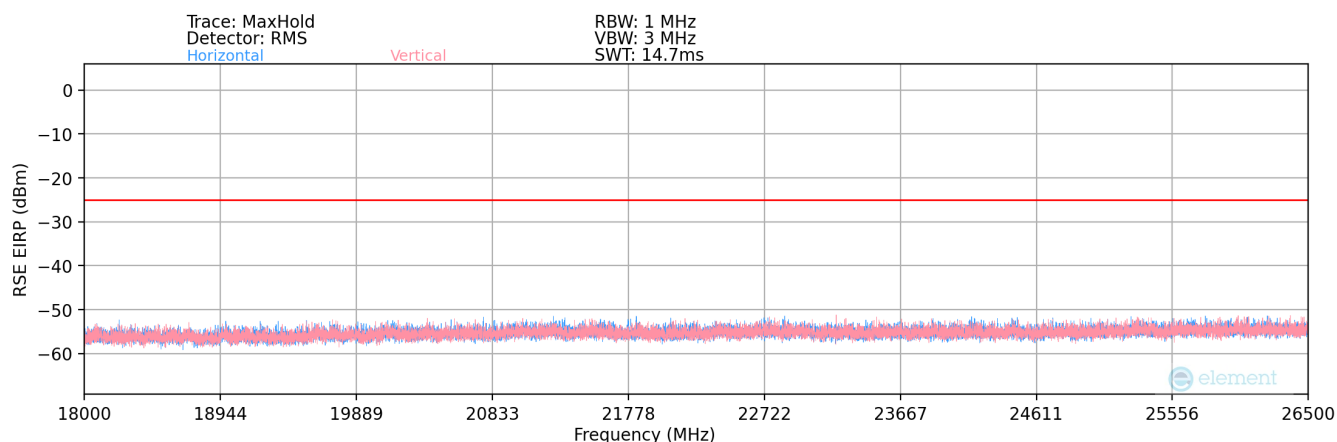
NR Band n41(PC2) – Switch – Ant3



Plot 7-376. Radiated Spurious Plot (NR Band n41(PC2) – Switch – Ant3)



Plot 7-377. Radiated Spurious Plot (NR Band n41(PC2) – Switch – Ant3)



Plot 7-378. Radiated Spurious Plot NR Band n41(PC2) – Switch – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency (MHz):	2592.99
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]
175.00	V	-	-	-62.48	-15.82	28.70	-68.70	-25.00	-43.70

Table 7-96. Radiated Spurious Data (NR Band n41(PC2) – Switch – Ant3

Frequency (MHz):	2546.01
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]
5092.02	V	-	-	-73.30	11.15	44.85	-50.41	-25.00	-25.41
7638.03	V	-	-	-75.17	16.58	48.41	-46.84	-25.00	-21.84
10184.04	V	-	-	-76.79	19.95	50.16	-45.10	-25.00	-20.10

Table 7-97. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Switch – Ant3

Frequency (MHz):	2592.99
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]
5185.98	V	-	-	-73.65	11.76	45.11	-50.15	-25.00	-25.15
7778.97	V	-	-	-74.38	16.34	48.96	-46.30	-25.00	-21.30
10371.96	V	-	-	-76.64	19.99	50.35	-44.91	-25.00	-19.91

Table 7-98. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Switch – Ant3

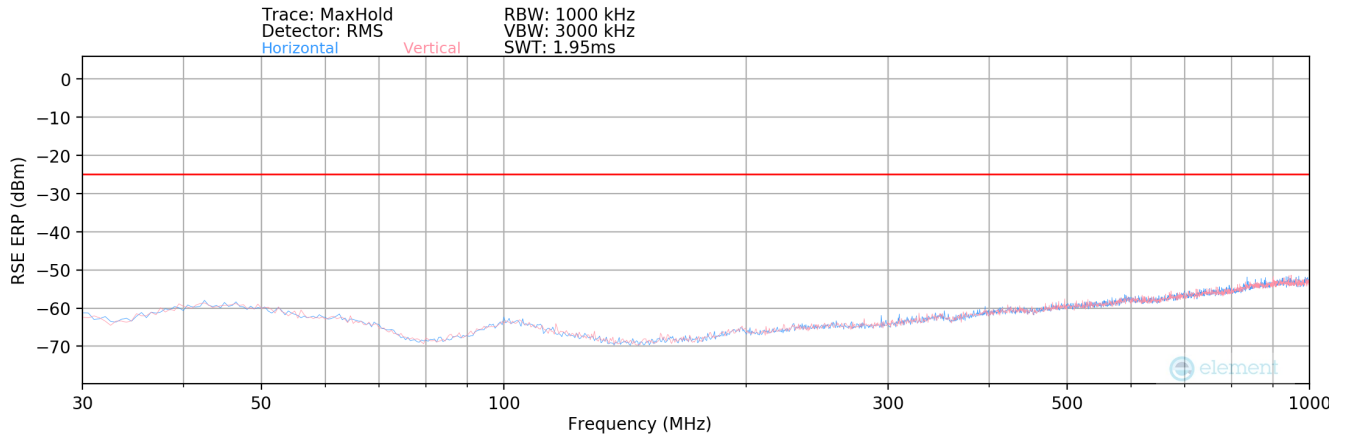
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	V	-	-	-73.59	10.85	44.26	-51.00	-25.00	-26.00
7920.00	V	-	-	-74.11	16.08	48.97	-46.29	-25.00	-21.29
10560.00	V	-	-	-76.75	20.29	50.54	-44.71	-25.00	-19.71

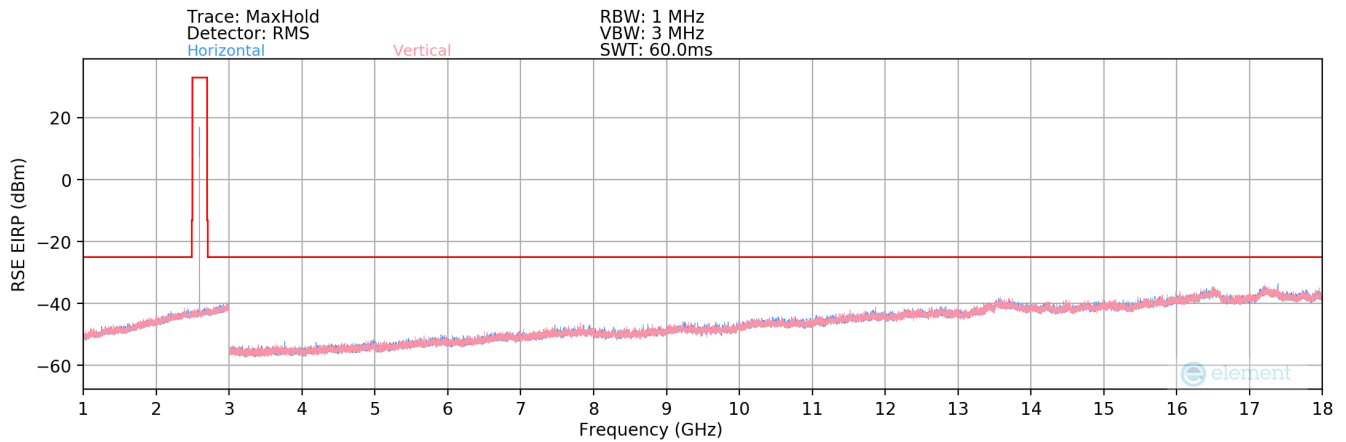
Table 7-99. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Switch – Ant3

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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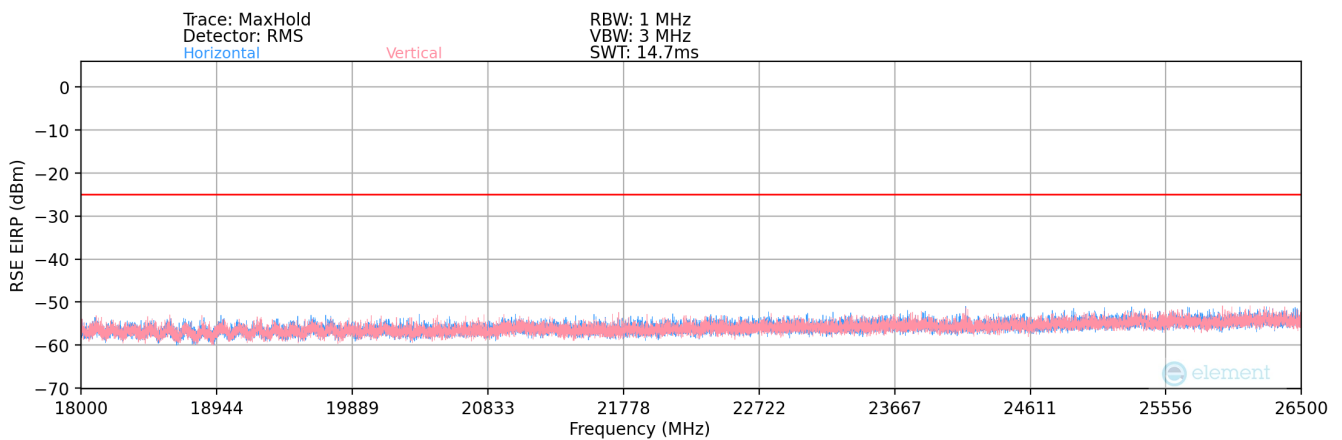
NR Band n41(PC2) – Default – Ant4



Plot 7-379. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant4



Plot 7-380. Radiated Spurious Plot (NR Band n41(PC2) – Default – Ant4



Plot 7-381. Radiated Spurious Plot NR Band n41(PC2) – Default – Ant4

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency (MHz):	2592.99
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]
300.00	V	-	-	-63.16	-11.28	32.56	-64.85	-25.00	-39.85

Table 7-100. Radiated Spurious Data (NR Band n41(PC2) – Default – Ant4

Frequency (MHz):	2546.01
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]
5092.02	V	-	-	-73.10	11.15	45.05	-50.21	-25.00	-25.21
7638.03	V	-	-	-75.63	16.58	47.95	-47.30	-25.00	-22.30
10184.04	V	-	-	-76.53	19.95	50.42	-44.84	-25.00	-19.84

Table 7-101. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Default – Ant4

Frequency (MHz):	2592.99
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]
5185.98	V	-	-	-73.82	11.76	44.94	-50.32	-25.00	-25.32
7778.97	V	-	-	-75.06	16.34	48.28	-46.98	-25.00	-21.98
10371.96	V	-	-	-76.00	19.99	50.99	-44.27	-25.00	-19.27

Table 7-102. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Default – Ant4

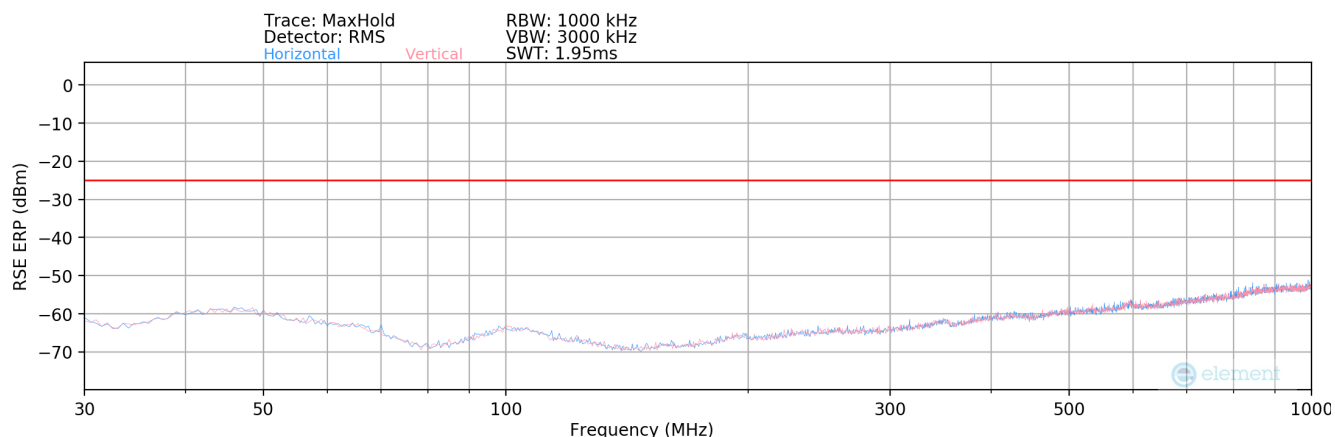
Frequency (MHz):	2640.00
RB / Offset:	1 / 136

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]
5280.00	V	-	-	-75.66	10.85	42.19	-53.07	-25.00	-28.07
7920.00	V	-	-	-75.18	16.08	47.90	-47.36	-25.00	-22.36
10560.00	V	-	-	-76.16	20.29	51.13	-44.12	-25.00	-19.12

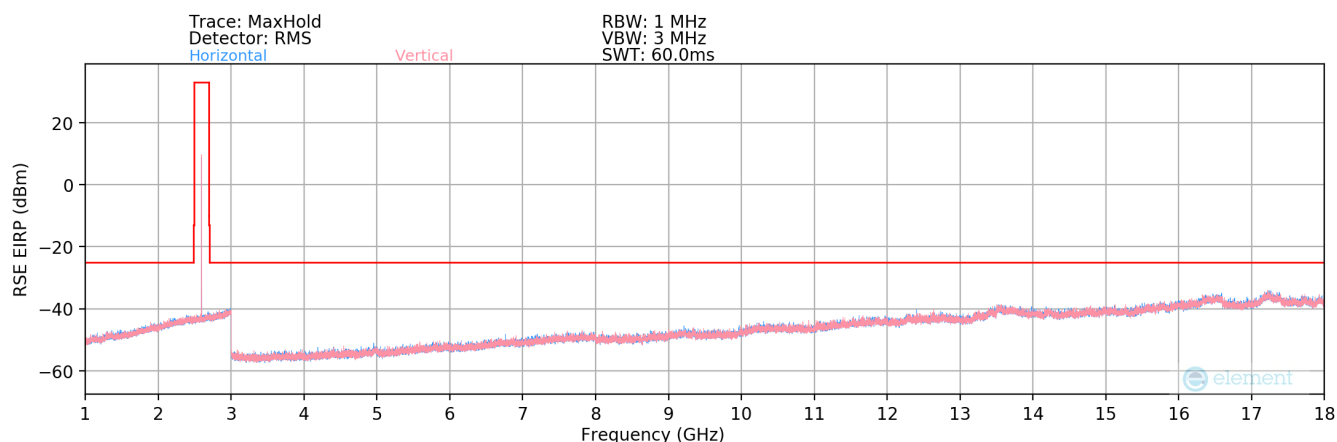
Table 7-103. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Default – Ant4

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT			Approved by: Technical Manager
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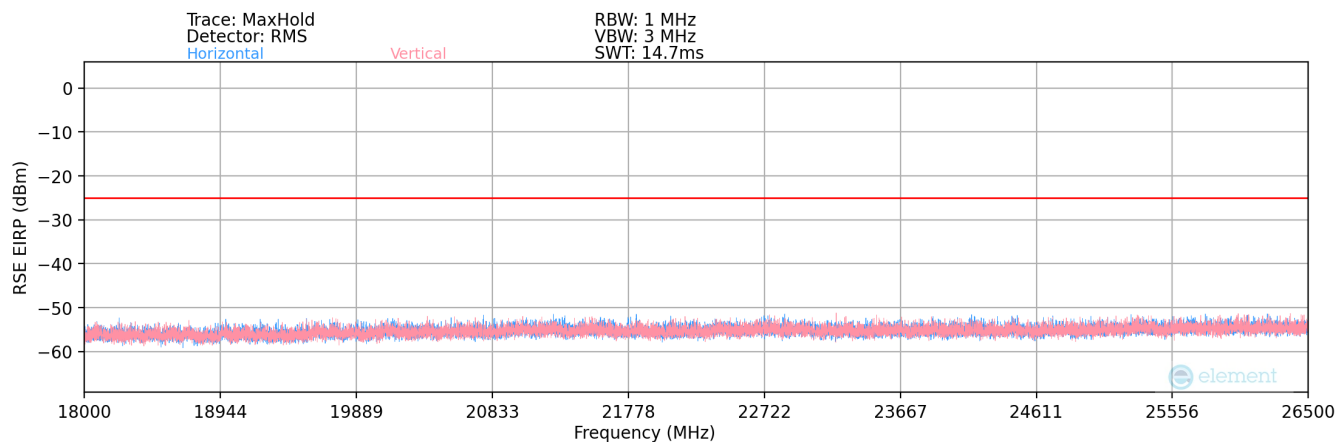
NR Band n41(PC2) – Switch – Ant4



Plot 7-382. Radiated Spurious Plot (NR Band n41(PC2) – Switch – Ant4



Plot 7-383. Radiated Spurious Plot (NR Band n41(PC2) – Switch – Ant4



Plot 7-384. Radiated Spurious Plot NR Band n41(PC2) – Switch – Ant4

FCC ID: A3LSMF966B	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency (MHz):	2592.99
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]
300.00	V	-	-	-64.83	-11.28	30.89	-66.52	-25.00	-41.52

Table 7-104. Radiated Spurious Data (NR Band n41(PC2) – Switch – Ant4

Frequency (MHz):	2546.01
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]
5092.02	V	-	-	-73.85	11.15	44.30	-50.96	-25.00	-25.96
7638.03	V	-	-	-75.07	16.58	48.51	-46.74	-25.00	-21.74
10184.04	V	-	-	-76.30	19.95	50.65	-44.61	-25.00	-19.61

Table 7-105. Radiated Spurious Data (NR Band n41(PC2) – Low Channel) – Switch – Ant4

Frequency (MHz):	2592.99
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]
5185.98	V	-	-	-73.72	11.76	45.04	-50.22	-25.00	-25.22
7778.97	V	118	32	-73.06	16.34	50.28	-44.98	-25.00	-19.98
10371.96	V	-	-	-76.36	19.99	50.63	-44.63	-25.00	-19.63
12964.95	V	-	-	-77.59	25.04	54.45	-40.81	-25.00	-15.81
15557.94	V	-	-	-78.40	28.70	57.30	-37.96	-25.00	-12.96

Table 7-106. Radiated Spurious Data (NR Band n41(PC2) – Mid Channel) – Switch – Ant4

Frequency (MHz):	2640.00
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]
5280.00	V	-	-	-73.70	10.85	44.15	-51.11	-25.00	-26.11
7920.00	V	-	-	-74.78	16.08	48.30	-46.96	-25.00	-21.96
10560.00	V	-	-	-75.85	20.29	51.44	-43.81	-25.00	-18.81

Table 7-107. Radiated Spurious Data (NR Band n41(PC2) – High Channel) – Switch – Ant4

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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

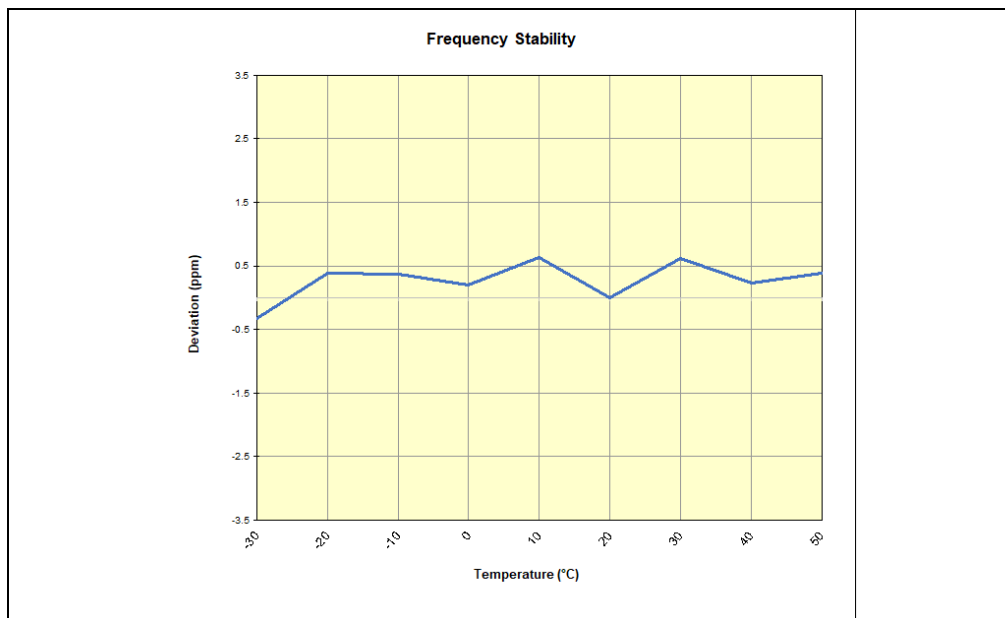
None

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LTE Band 41

Operating Frequency (Hz):		2,593,000,000			
Ref. Voltage (VDC):		4.436			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.436	- 30	2,593,089,431	-858	-0.0000331
		- 20	2,593,091,312	1,022	0.0000394
		- 10	2,593,091,270	981	0.0000378
		0	2,593,090,805	515	0.0000199
		+ 10	2,593,091,948	1,659	0.0000640
		+ 20 (Ref)	2,593,090,289	0	0.0000000
		+ 30	2,593,091,887	1,597	0.0000616
		+ 40	2,593,090,901	612	0.0000236
Battery Endpoint	3.671	+ 50	2,593,091,301	1,011	0.0000390
		+ 20	2,593,089,996	-293	-0.0000113

Table 7-108. LTE Band 41(PC2) Frequency Stability Data

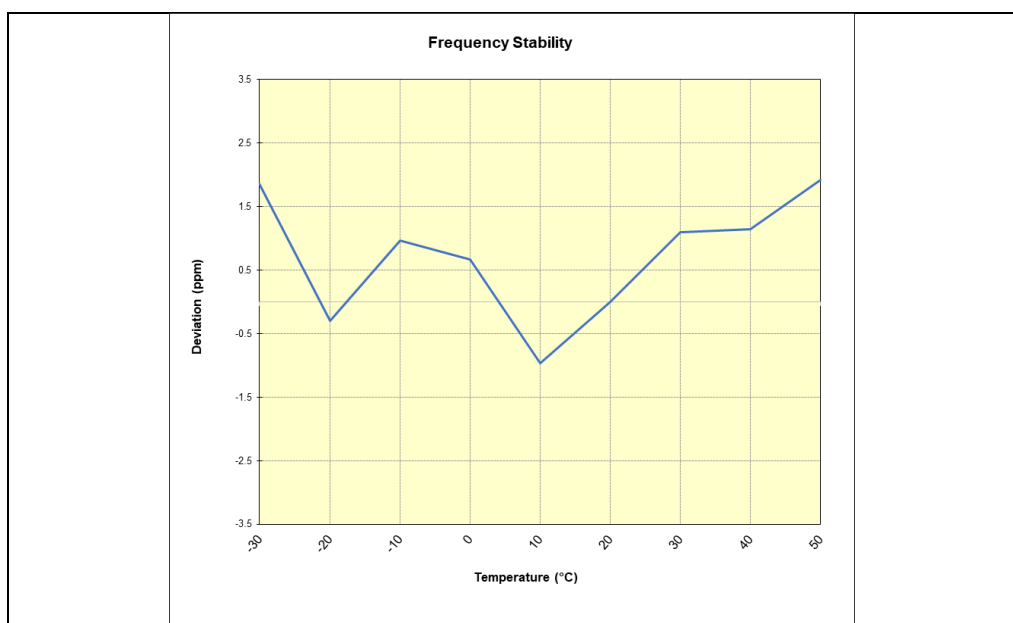


Plot 7-385. LTE Band 41(PC3) Frequency Stability Chart

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NR Band n41					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.436	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.436	- 30	2,592,987,400	4,821	0.0001859
		- 20	2,592,981,822	-757	-0.0000292
		- 10	2,592,985,099	2,520	0.0000972
		0	2,592,984,308	1,729	0.0000667
		+ 10	2,592,980,081	-2,498	-0.0000963
		+ 20 (Ref)	2,592,982,579	0	0.0000000
		+ 30	2,592,985,443	2,865	0.0001105
		+ 40	2,592,985,551	2,972	0.0001146
		+ 50	2,592,987,551	4,972	0.0001918
Battery Endpoint	3.671	+ 20	2,592,982,889	310	0.0000120

Table 7-109. NR Band n41 Frequency Stability Data



Plot 7-386. NR Band n41 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: A3LSMF966B** complies with all the requirements of Part 27 of the FCC rules. The data referenced from **FCC ID: A3LSMF966U** (Model SM-F966U) included in this report have been reviewed and are deemed acceptable to support the compliance of **FCC ID: A3LSMF966B**

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9.0 APPENDIX A - DATA REFERENCING RESULTS

Overview

The spot-check data presented in this section was measured on the variant model following the guidance of the FCC's Data Referencing guidance in KDB 484596 D01 v03. Each spot-check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device. For the worst-case RSE data, the measurement is determined by an actual emission and not by noise floor.

All test cases were performed to verify the variant EUT is still in compliance with the spot-checked results to the reference device and was performed using the guidance of ANSI C63.10-2013.

Notes

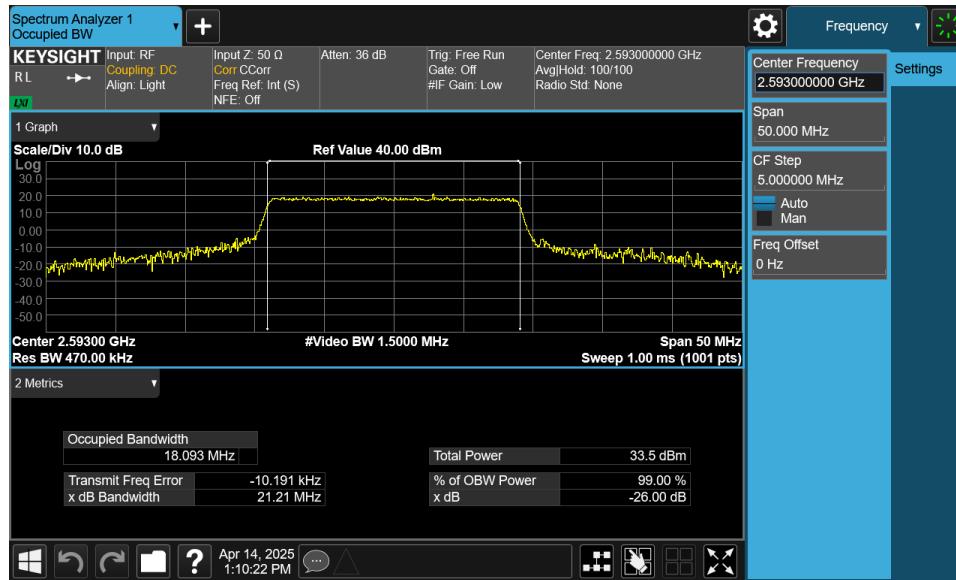
1. Each spot check test on the EUT was performed using the same procedure and setting that were used to perform the test on the corresponding reference device.
2. Data pertaining to operations within LTE Band 41 and NR Band n41 was fully leveraged from the Referenced Model (A3LSMF966U) in cases where the target Output Power was identical with the Variant Model (A3LSMF966B). In cases where the target Output Power differed full testing was performed. This has resulted in the complete test for the LTE Band 41 PC2 operation and NR Band n41 Ant1 cases. All other data was referenced for compliance.

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Conducted Spot-Checks – SM-F966B

Bandwidth	Modulation	Channel	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]
15 MHz	QPSK	41515	2682.5	1 / 0	24.99

Plot 9-1. Conducted Power (Spot-Check) – LTE Band 41



Plot 9-2. Occupied Bandwidth Plot (Spot-Check) (LTE Band 41)

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Radiated Spot-Checks – SM-F966B

Bandwidth	Mod.	Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Ant. Gain [dBi]	RB Size/Offset	Substitute Level [dBm]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
5 MHz	QPSK	2593.0	V	103	145	4.14	1 / 12	19.11	23.25	0.212	33.01	-9.76

Table 9-1.EIRP Measurements (Spot-check) – LTE Band 41 PC3

Bandwidth (MHz):	20
Frequency (MHz):	2593.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	-	-	-77.69	3.36	32.67	-62.58	-25.00	-37.58

Table 9-2.RSE Measurements (Spot-check) – LTE Band 41 PC3

Results

FCC Rules	Test Item	Test Case	Units	Limit	Reference Model: SM-F966U	Variant Model: SM-F966B	Deviation (dB)	Max Deviation (dB)	Pass/Fail
27	Conducted Output Power	High Ch. 41515, 15MHz, QPSK, AntG	dBm	N/A	24.98	24.99	0.01	1	PASS
	Occupied Bandwidth	Mid Ch. 40620, 20MHz, QPSK, AntB	MHz	N/A	18.02	18.09	-	N/A	PASS
	EIRP	Mid Ch. 40620, 5MHz, QPSK, AntG	dBm	33.01	23.16	23.25	0.09	3	PASS
	RSE	Mid Ch. 40620, 20MHz, QPSK, AntG	dBm	-25	-48.20	-50.21	-2.01	3	PASS

Table 9-3. Summary of Spot-checks – LTE Band 41 PC3

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