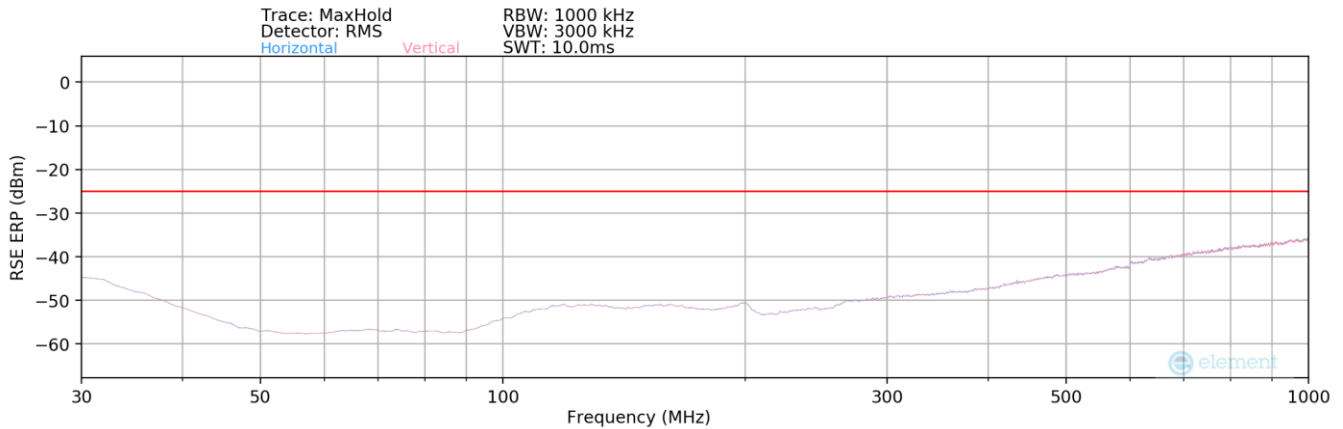
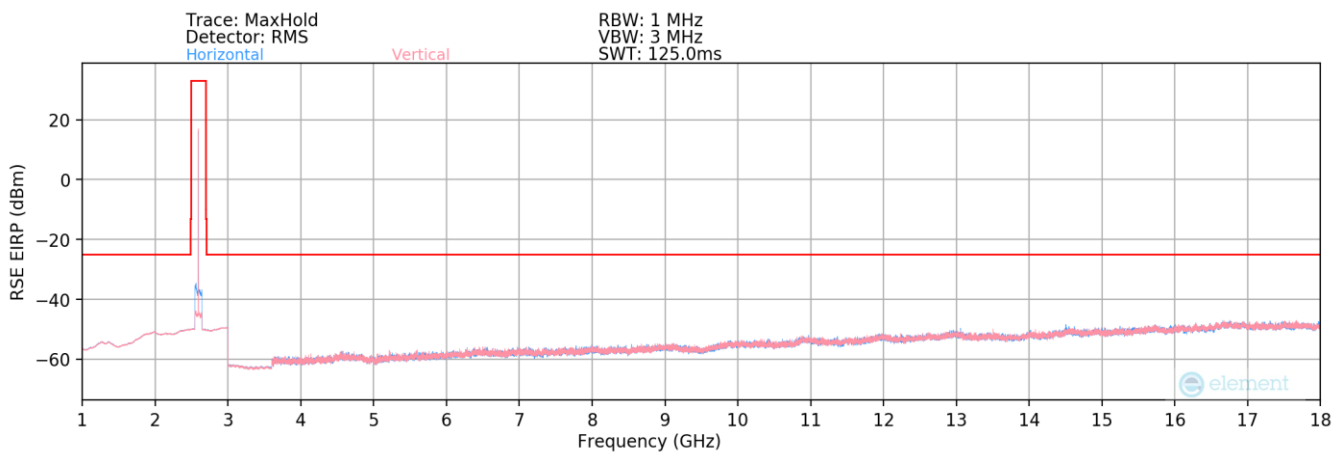


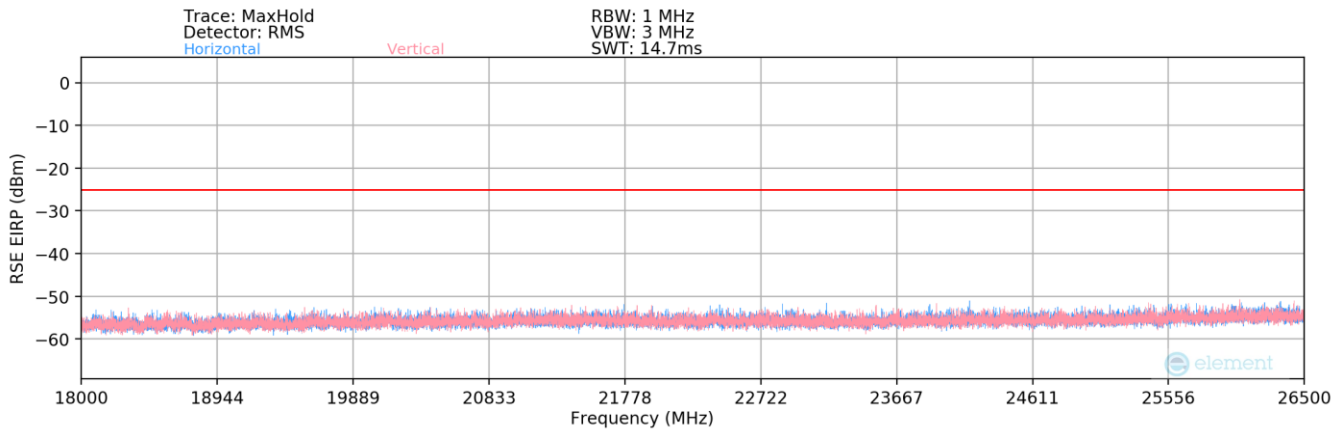
NR Band n41 – Switching Ant B



Plot 7-524. Radiated Spurious Plot (NR Band n41 – Switching Ant B)



Plot 7-525. Radiated Spurious Plot (NR Band n41 – Switching Ant B)



Plot 7-526. Radiated Spurious Plot (NR Band n41 – Switching Ant B)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 325 of 344

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.00	H	128.00	33.00	-73.53	4.75	38.22	-57.04	-25.00	-32.04
7638.00	H	252.00	63.00	-73.46	7.81	41.35	-53.90	-25.00	-28.90
10184.00	H	-	-	-77.85	10.81	39.96	-55.30	-25.00	-30.30
12730.00	H	-	-	-78.75	13.99	42.24	-53.02	-25.00	-28.02
15276.00	H	-	-	-78.47	15.86	44.39	-50.86	-25.00	-25.86

Table 7-87. Radiated Spurious Data (NR Band n41 – Low Channel – Switching Ant B)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	128.00	339.00	-75.58	5.06	36.48	-58.77	-25.00	-33.77
7779.00	H	383.00	11.00	-72.56	7.29	41.73	-53.52	-25.00	-28.52
10372.00	H	-	-	-78.53	11.01	39.48	-55.78	-25.00	-30.78
12965.00	H	-	-	-78.63	14.59	42.96	-52.30	-25.00	-27.30
15558.00	H	-	-	-78.38	15.64	44.26	-51.00	-25.00	-26.00

Table 7-88. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching Ant B)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	-	-	-76.65	4.75	35.10	-60.16	-25.00	-35.16
7920.00	H	368.00	301.00	-74.61	8.35	40.74	-54.52	-25.00	-29.52
10560.00	H	-	-	-78.82	11.58	39.76	-55.50	-25.00	-30.50
13200.00	H	270.00	17.00	-76.36	13.82	44.46	-50.79	-25.00	-25.79
15840.00	H	-	-	-78.95	16.90	44.95	-50.31	-25.00	-25.31

Table 7-89. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant B)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 326 of 344



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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
100.64	H	-	-	-81.08	17.67	43.59	-51.67	-25.00	-26.67
313.54	H	-	-	-81.19	21.55	47.36	-47.90	-25.00	-22.90
510.73	H	-	-	-80.96	26.06	52.10	-43.15	-25.00	-18.15

Table 7-90. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant B) <1GHz RSEs

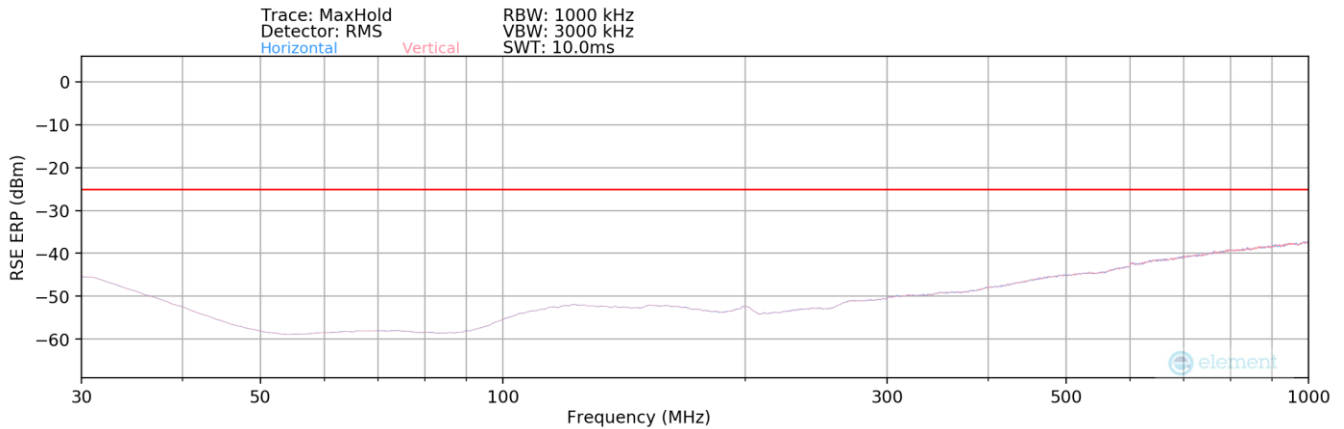
Case:	w/ Wireless Charging Pad
Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 136
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]
5280.00	H	-	-	-76.67	4.75	35.08	-60.18	-25.00
7920.00	H	303.00	61.00	-76.77	8.35	38.58	-56.68	-25.00
10560.00	H	-	-	-78.63	11.58	39.95	-55.31	-25.00
13200.00	H	156.00	123.00	-77.55	13.82	43.27	-51.98	-25.00
15840.00	H	-	-	-78.85	16.90	45.05	-50.21	-25.00

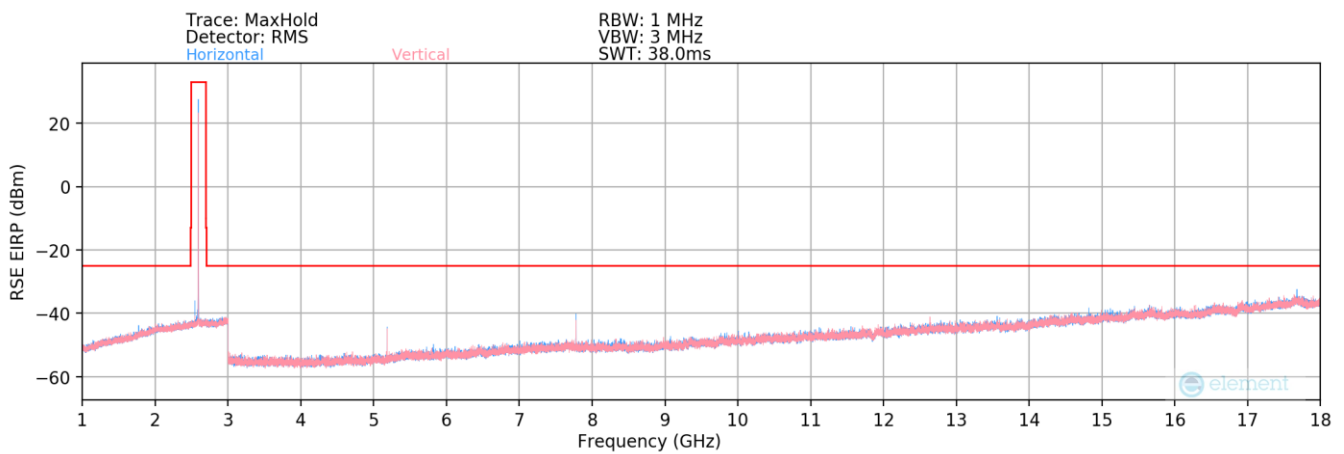
Table 7-91. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant B) – WCP

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 327 of 344

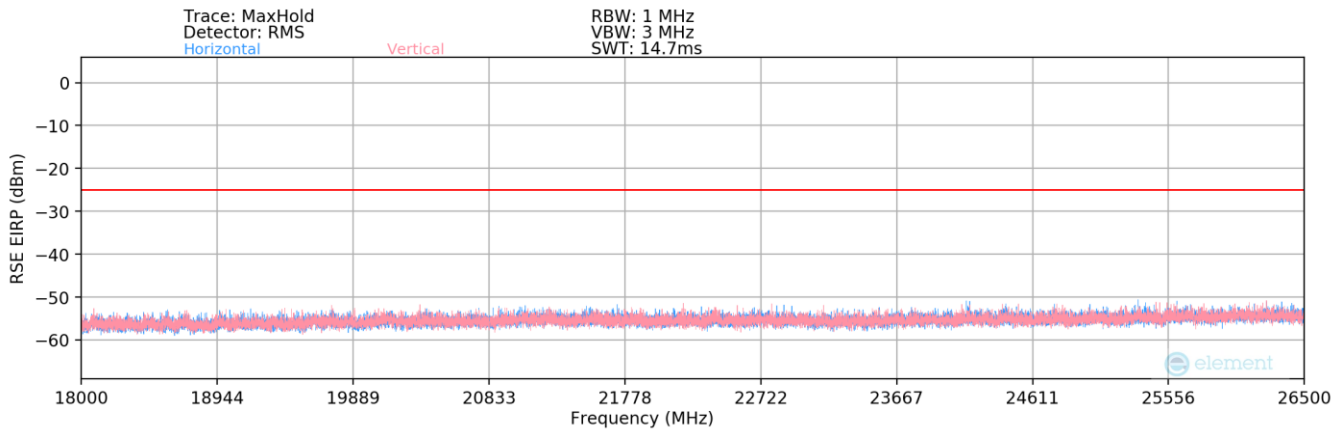
NR Band n41 – Switching Ant F



Plot 7-527. Radiated Spurious Plot (NR Band n41 – Switching Ant F)



Plot 7-528. Radiated Spurious Plot (NR Band n41 – Switching Ant F)



Plot 7-529. Radiated Spurious Plot (NR Band n41 – Switching Ant F)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 328 of 344

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.00	H	-	-	-68.41	7.76	46.35	-48.91	-25.00	-23.91
7638.00	H	-	-	-68.64	12.43	50.79	-44.47	-25.00	-19.47
10184.00	H	-	-	-69.00	15.39	53.39	-41.86	-25.00	-16.86
12730.00	H	-	-	-68.43	20.13	58.70	-36.55	-25.00	-11.55
15276.00	H	-	-	-66.16	21.91	62.75	-32.51	-25.00	-7.51
17822.00	H	-	-	-65.70	25.89	67.19	-28.06	-25.00	-3.06
20368.00	H	-	-	-59.23	3.24	51.01	-53.79	-25.00	-28.79
22914.00	H	-	-	-59.47	3.86	51.39	-53.41	-25.00	-28.41

Table 7-92. Radiated Spurious Data (NR Band n41 – Low Channel – Switching Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	121.00	68.00	-60.44	7.76	54.32	-40.94	-25.00	-15.94
7779.00	H	195.00	78.00	-60.59	12.72	59.13	-36.12	-25.00	-11.12
10372.00	H	-	-	-68.81	16.21	54.40	-40.85	-25.00	-15.85
12965.00	H	-	-	-68.74	19.50	57.76	-37.50	-25.00	-12.50
15558.00	H	-	-	-66.48	22.82	63.34	-31.92	-25.00	-6.92
18151.00	H	-	-	-59.80	1.37	48.57	-56.23	-25.00	-31.23
20744.00	H	-	-	-58.43	3.41	51.98	-52.82	-25.00	-27.82
23337.00	H	-	-	-60.23	3.75	50.52	-54.28	-25.00	-29.28

Table 7-93. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching Ant F)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 135
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	-	-	-68.51	7.70	46.19	-49.07	-25.00	-24.07
7920.00	H	-	-	-69.32	14.26	51.94	-43.32	-25.00	-18.32
10560.00	H	-	-	-67.96	16.20	55.24	-40.01	-25.00	-15.01
13200.00	H	-	-	-68.95	19.76	57.81	-37.44	-25.00	-12.44
15840.00	H	-	-	-66.99	22.88	62.89	-32.37	-25.00	-7.37
18480.00	H	-	-	-58.71	1.80	50.09	-54.71	-25.00	-29.71
21120.00	H	-	-	-58.75	3.66	51.91	-52.89	-25.00	-27.89
23760.00	H	-	-	-60.60	3.96	50.36	-54.44	-25.00	-29.44

Table 7-94. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant F)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 329 of 344



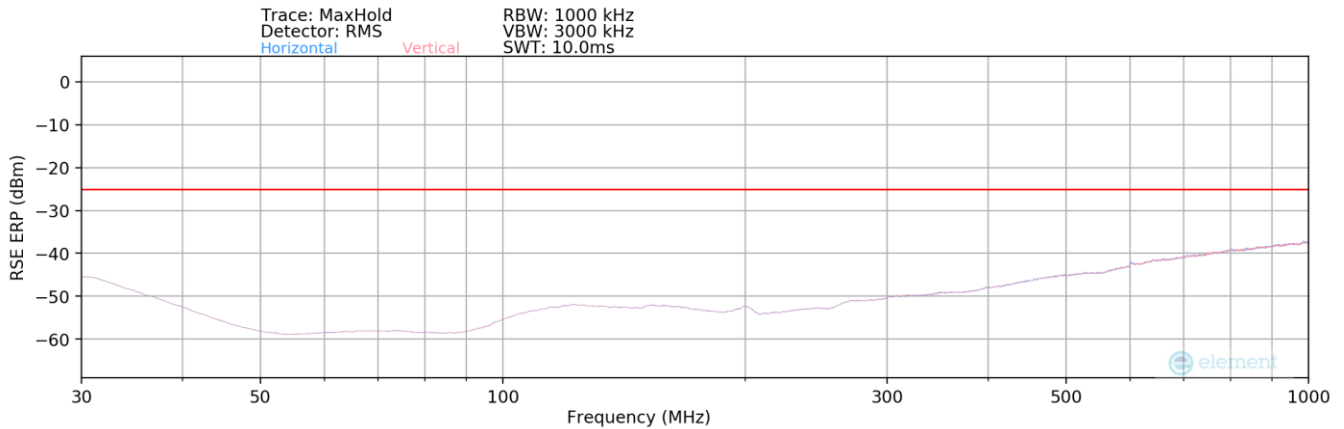
Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 136
Mode:	Stand Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
97.03	H	-	-	-82.90	16.20	40.30	-54.95	-25.00	-29.95
296.55	H	-	-	-82.12	20.91	45.79	-49.46	-25.00	-24.46
498.95	H	-	-	-82.49	25.67	50.18	-45.07	-25.00	-20.07

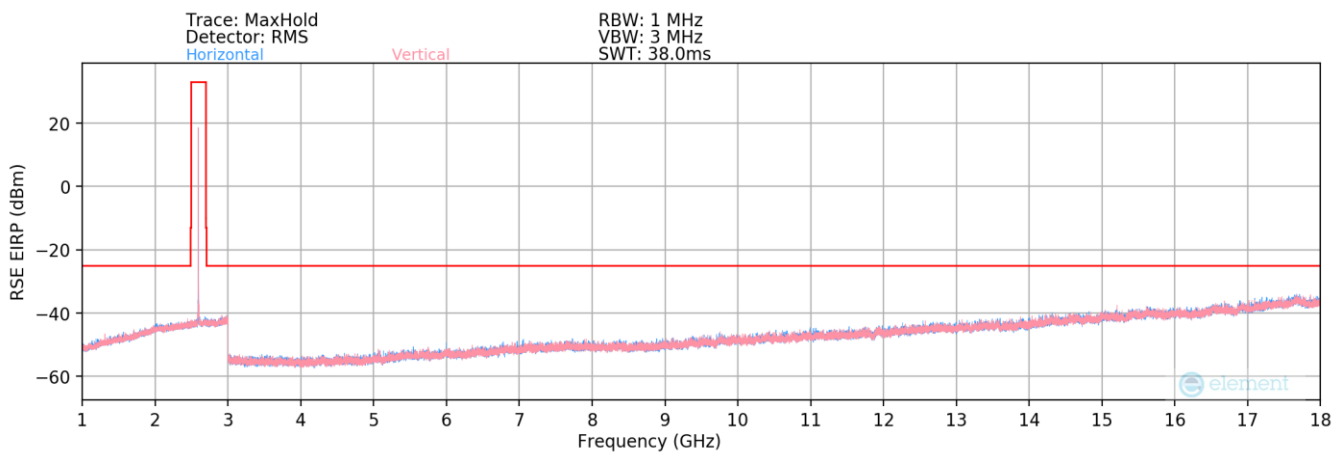
Table 7-95. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant F) <1GHz RSEs

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 330 of 344

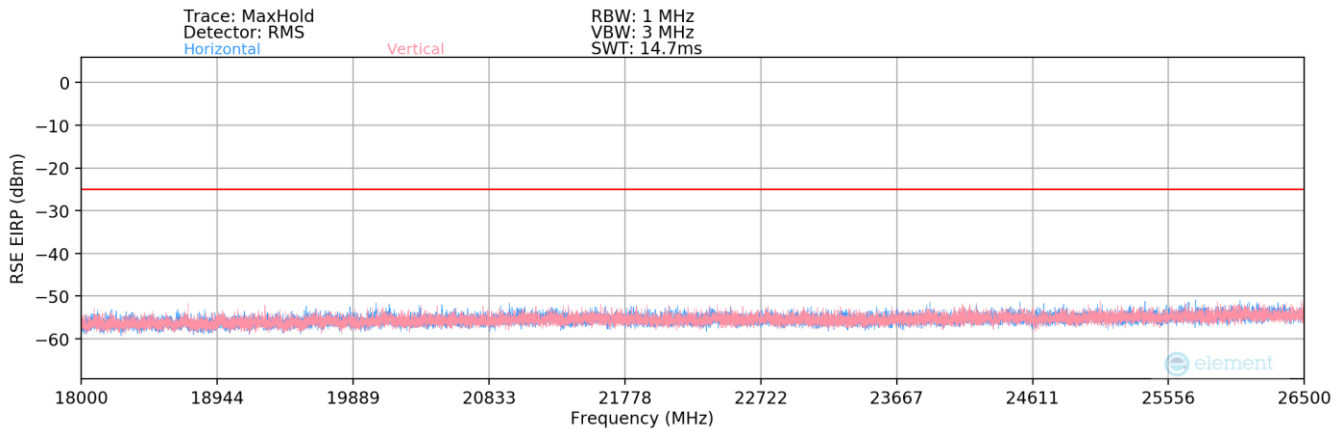
NR Band n41 – Switching Ant D



Plot 7-530. Radiated Spurious Plot (NR Band n41 – Switching Ant D)



Plot 7-531. Radiated Spurious Plot (NR Band n41 – Switching Ant D)



Plot 7-532. Radiated Spurious Plot (NR Band n41 – Switching Ant D)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 331 of 344

Bandwidth (MHz):	100
Frequency (MHz):	2550.0
RB / Offset:	1 / 135
Mode:	Stand-Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.00	H	-	-	-68.34	7.70	46.36	-48.90	-25.00	-23.90
7650.00	H	-	-	-68.68	12.49	50.81	-44.45	-25.00	-19.45
10200.00	H	-	-	-68.82	16.04	54.22	-41.04	-25.00	-16.04
12750.00	H	-	-	-67.45	20.12	59.67	-35.59	-25.00	-10.59
15300.00	H	-	-	-66.09	21.88	62.79	-32.47	-25.00	-7.47
17850.00	H	-	-	-64.89	25.83	67.94	-27.31	-25.00	-2.31
20400.00	H	-	-	-59.26	3.13	50.87	-53.93	-25.00	-28.93
22950.00	H	-	-	-58.66	3.80	52.14	-52.66	-25.00	-27.66

Table 7-96. Radiated Spurious Data (NR Band n41 – Low Channel – Switching Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 135
Mode:	Stand-Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	H	-	-	-67.96	7.76	46.80	-48.46	-25.00	-23.46
7779.00	H	-	-	-68.33	12.72	51.39	-43.86	-25.00	-18.86
10372.00	H	-	-	-68.84	16.21	54.37	-40.88	-25.00	-15.88
12965.00	H	-	-	-69.10	19.50	57.40	-37.86	-25.00	-12.86
15558.00	H	-	-	-65.59	22.82	64.23	-31.03	-25.00	-6.03
18151.00	H	-	-	-58.71	1.37	49.66	-55.14	-25.00	-30.14
20744.00	H	-	-	-60.63	3.41	49.78	-55.02	-25.00	-30.02
23337.00	H	-	-	-60.39	3.75	50.36	-54.44	-25.00	-29.44

Table 7-97. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 135
Mode:	Stand-Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	H	-	-	-68.55	7.70	46.15	-49.11	-25.00	-24.11
7920.00	H	-	-	-68.44	14.26	52.82	-42.44	-25.00	-17.44
10560.00	H	-	-	-68.04	16.20	55.16	-40.09	-25.00	-15.09
13200.00	H	-	-	-68.02	19.76	58.74	-36.51	-25.00	-11.51
15840.00	H	-	-	-65.87	22.88	64.01	-31.25	-25.00	-6.25
18480.00	H	-	-	-58.12	1.80	50.68	-54.12	-25.00	-29.12
21120.00	H	-	-	-59.42	3.66	51.24	-53.56	-25.00	-28.56
23760.00	H	-	-	-60.25	3.96	50.71	-54.09	-25.00	-29.09

Table 7-98. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant D)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 332 of 344



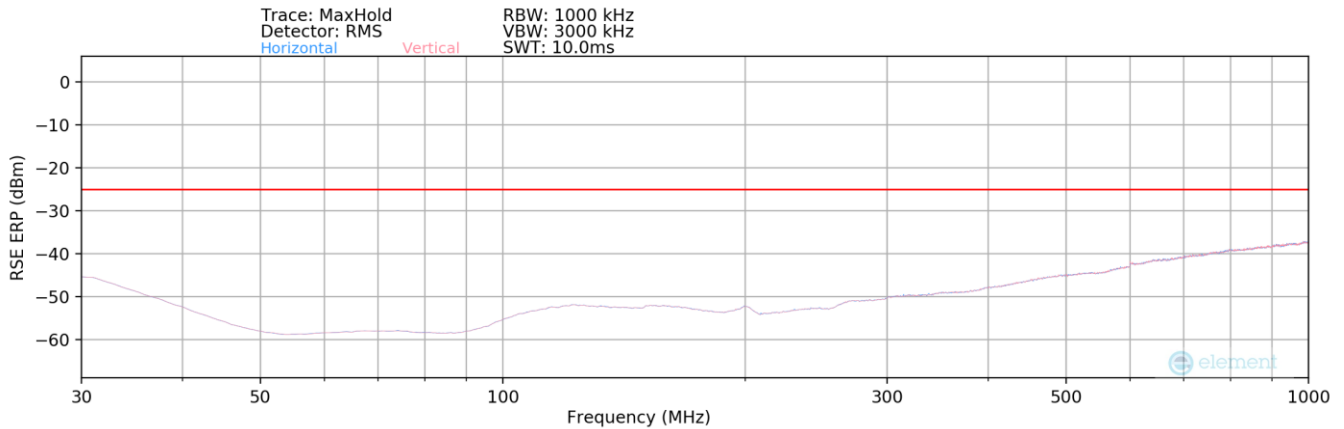
Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 135
Mode:	Stand-Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
76.04	H	-	-	-82.81	14.38	38.57	-56.69	-25.00	-31.69
214.02	H	-	-	-82.32	17.54	42.22	-53.04	-25.00	-28.04
304.24	H	-	-	-82.61	21.17	45.56	-49.70	-25.00	-24.70

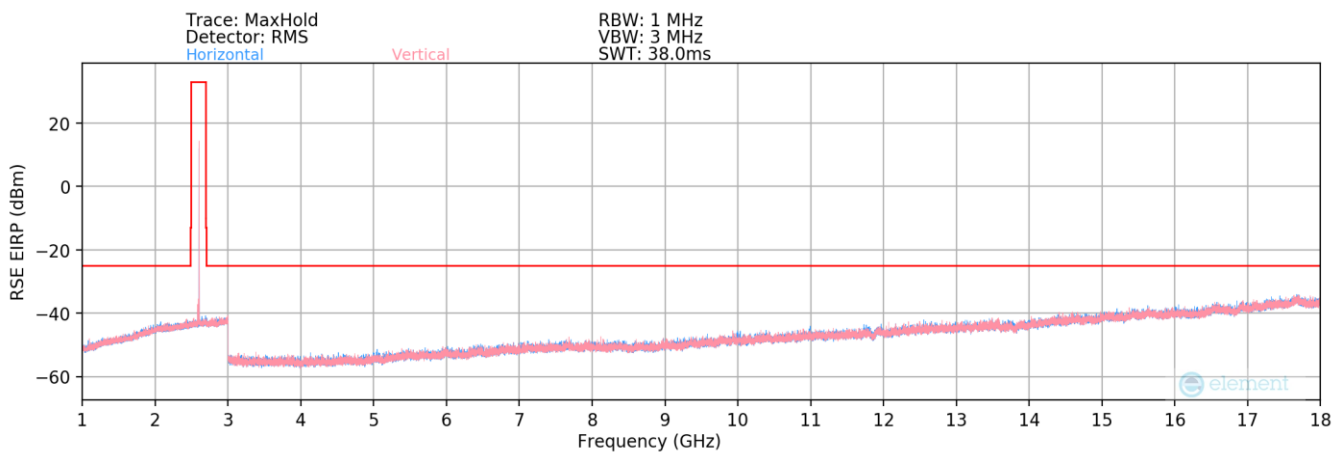
Table 7-99. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant D) <1GHz RSEs

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 333 of 344

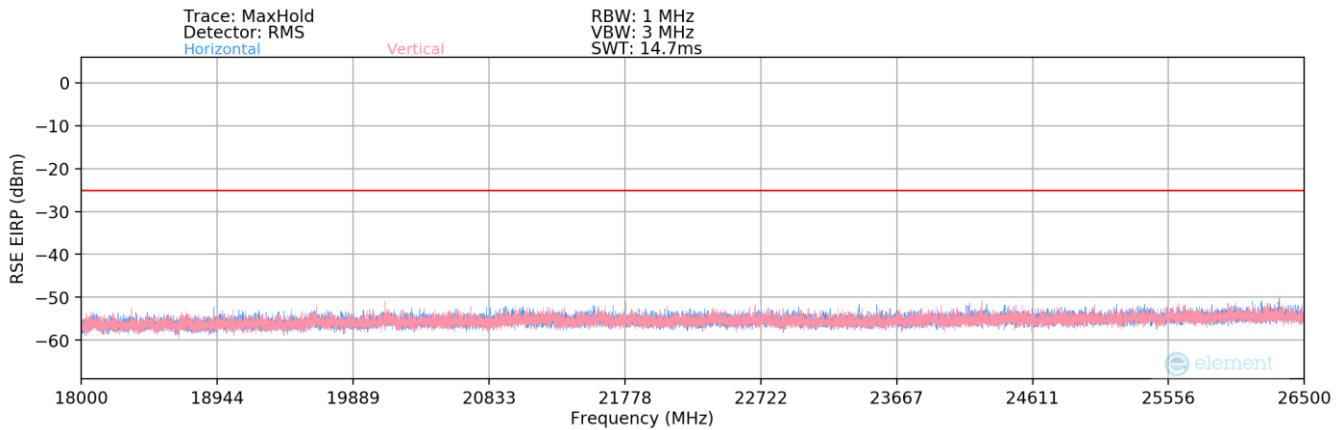
NR Band n41 – Ant E



Plot 7-533. Radiated Spurious Plot (NR Band n41 – Switching Ant E)



Plot 7-534. Radiated Spurious Plot (NR Band n41 – Switching Ant E)



Plot 7-535. Radiated Spurious Plot (NR Band n41 – Switching Ant E)

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2209010098-09-R2.A3L	Test Dates: 9/12/2022 – 11/16/2022	EUT Type: Portable Handset	Page 334 of 344

Bandwidth (MHz):	100
Frequency (MHz):	2550.0
RB / Offset:	1 / 135
Mode:	Stand-Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5100.00	V	-	-	-68.67	7.70	46.03	-49.23	-25.00	-24.23
7650.00	V	-	-	-68.88	12.49	50.61	-44.65	-25.00	-19.65
10200.00	V	-	-	-68.76	16.04	54.28	-40.98	-25.00	-15.98
12750.00	V	-	-	-68.47	20.12	58.65	-36.61	-25.00	-11.61
15300.00	V	-	-	-65.85	21.88	63.03	-32.23	-25.00	-7.23
17850.00	V	-	-	-65.06	25.83	67.77	-27.48	-25.00	-2.48
20400.00	V	-	-	-60.81	3.13	49.32	-55.48	-25.00	-30.48
22950.00	V	-	-	-61.14	3.80	49.66	-55.14	-25.00	-30.14

Table 7-100. Radiated Spurious Data (NR Band n41 – Low Channel – Switching Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 135
Mode:	Stand-Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5186.00	V	323.00	217.00	-68.72	7.76	46.04	-49.22	-25.00	-24.22
7779.00	V	-	-	-69.05	12.72	50.67	-44.58	-25.00	-19.58
10372.00	V	-	-	-69.40	16.21	53.81	-41.44	-25.00	-16.44
12965.00	V	-	-	-68.69	19.50	57.81	-37.45	-25.00	-12.45
15558.00	V	-	-	-65.73	22.82	64.09	-31.17	-25.00	-6.17
18151.00	V	-	-	-59.25	1.37	49.12	-55.68	-25.00	-30.68
20744.00	V	-	-	-60.24	3.41	50.17	-54.63	-25.00	-29.63
23337.00	V	-	-	-59.61	3.75	51.14	-53.66	-25.00	-28.66

Table 7-101. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1 / 135
Mode:	Stand-Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5280.00	V	-	-	-68.19	7.70	46.51	-48.75	-25.00	-23.75
7920.00	V	-	-	-70.26	14.26	51.00	-44.26	-25.00	-19.26
10560.00	V	-	-	-68.54	16.20	54.66	-40.59	-25.00	-15.59
13200.00	V	-	-	-68.64	19.76	58.12	-37.13	-25.00	-12.13
15840.00	V	-	-	-66.12	22.88	63.76	-31.50	-25.00	-6.50
18480.00	V	-	-	-58.15	1.80	50.65	-54.15	-25.00	-29.15
21120.00	V	-	-	-60.19	3.66	50.47	-54.33	-25.00	-29.33
23760.00	V	-	-	-60.47	3.96	50.49	-54.31	-25.00	-29.31

Table 7-102. Radiated Spurious Data (NR Band n41 – High Channel – Switching Ant E)

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Bandwidth (MHz):	100
Frequency (MHz):	2593.0
RB / Offset:	1 / 135
Mode:	Stand-Alone

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
85.75	V	-	-	-82.55	14.10	38.55	-56.71	-25.00	-31.71
218.26	V	-	-	-82.50	17.80	42.30	-52.95	-25.00	-27.95
412.66	V	-	-	-82.68	23.68	48.00	-47.26	-25.00	-22.26

Table 7-103. Radiated Spurious Data (NR Band n41 – Mid Channel – Switching Ant E) <1GHz RSEs

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

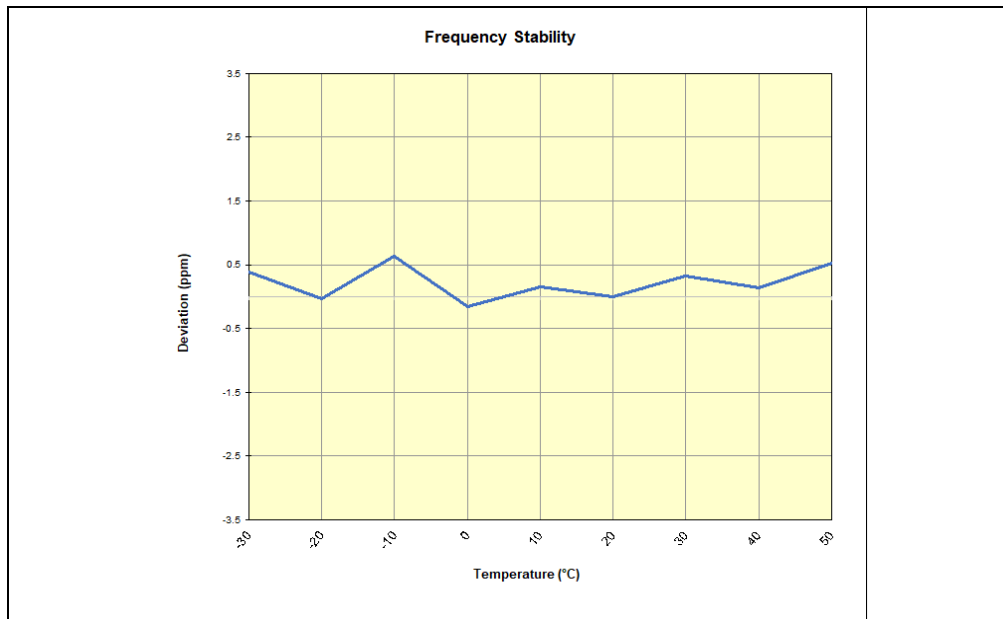
None

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LTE Band 30

LTE Band 30					
		Operating Frequency (Hz):		2,310,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,310,002,116	882	0.0000382
		- 20	2,310,001,147	-87	-0.0000038
		- 10	2,310,002,698	1,464	0.0000634
		0	2,310,000,874	-360	-0.0000156
		+ 10	2,310,001,587	353	0.0000153
		+ 20 (Ref)	2,310,001,234	0	0.0000000
		+ 30	2,310,001,999	765	0.0000331
		+ 40	2,310,001,547	313	0.0000135
Battery Endpoint	3.47	+ 20	2,310,001,444	210	0.0000091

Table 7-104. LTE Band 30 Frequency Stability Data



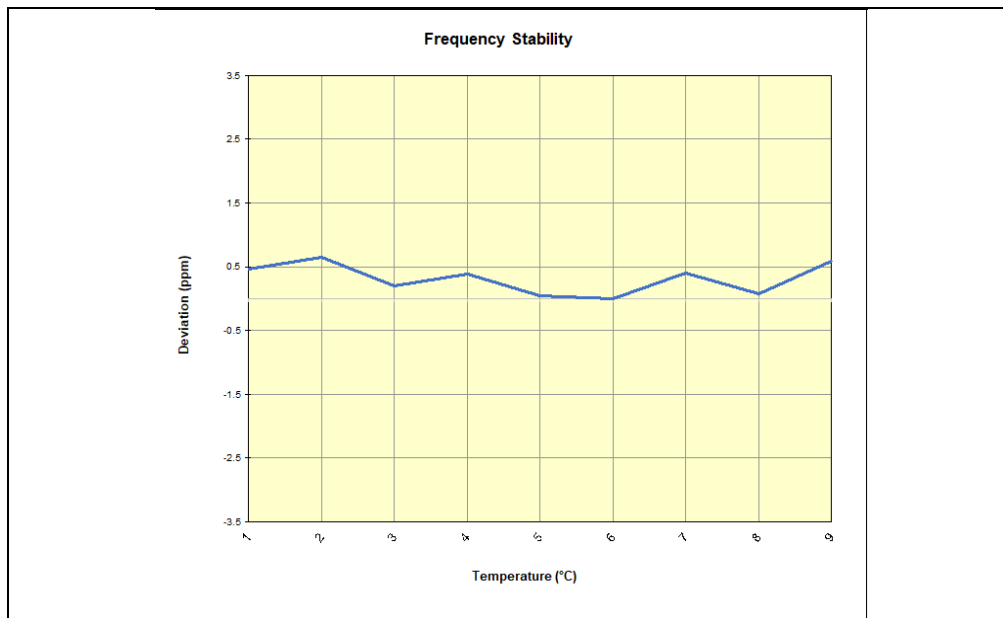
Plot 7-536. LTE Band 30 Frequency Stability Chart

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 7

LTE Band 7					
Operating Frequency (Hz):		2,535,000,000			
Ref. Voltage (VDC):		4.28			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,535,002,647	1,169	0.0000461
		- 20	2,535,003,141	1,663	0.0000656
		- 10	2,535,001,987	509	0.0000201
		0	2,535,002,468	990	0.0000391
		+ 10	2,535,001,597	119	0.0000047
		+ 20 (Ref)	2,535,001,478	0	0.0000000
		+ 30	2,535,002,479	1,001	0.0000395
		+ 40	2,535,001,678	200	0.0000079
		+ 50	2,535,002,987	1,509	0.0000595
Battery Endpoint	3.47	+ 20	2,535,002,540	1,062	0.0000419

Table 7-105. LTE Band 7 Frequency Stability Data



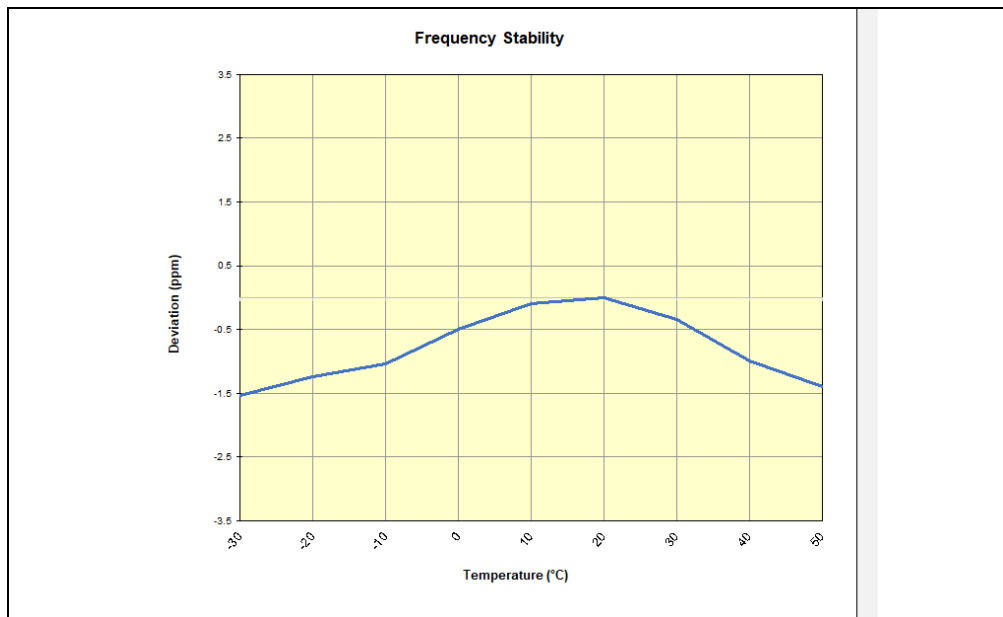
Plot 7-537. LTE Band 7 Frequency Stability Chart

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41

LTE Band 41 (PC2)					
Operating Frequency (Hz):		2,593,000,000			
Ref. Voltage (VDC):		4.28			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,593,154,921	-3,981	-0.0001535
		- 20	2,593,155,678	-3,224	-0.0001243
		- 10	2,593,156,221	-2,681	-0.0001034
		0	2,593,157,618	-1,284	-0.0000495
		+ 10	2,593,158,654	-248	-0.0000096
		+ 20 (Ref)	2,593,158,902	0	0.0000000
		+ 30	2,593,158,002	-900	-0.0000347
		+ 40	2,593,156,348	-2,554	-0.0000985
Battery Endpoint	3.47	+ 20	2,593,160,584	1,682	0.0000649

Table 7-106. LTE Band 41(PC2) Frequency Stability Data



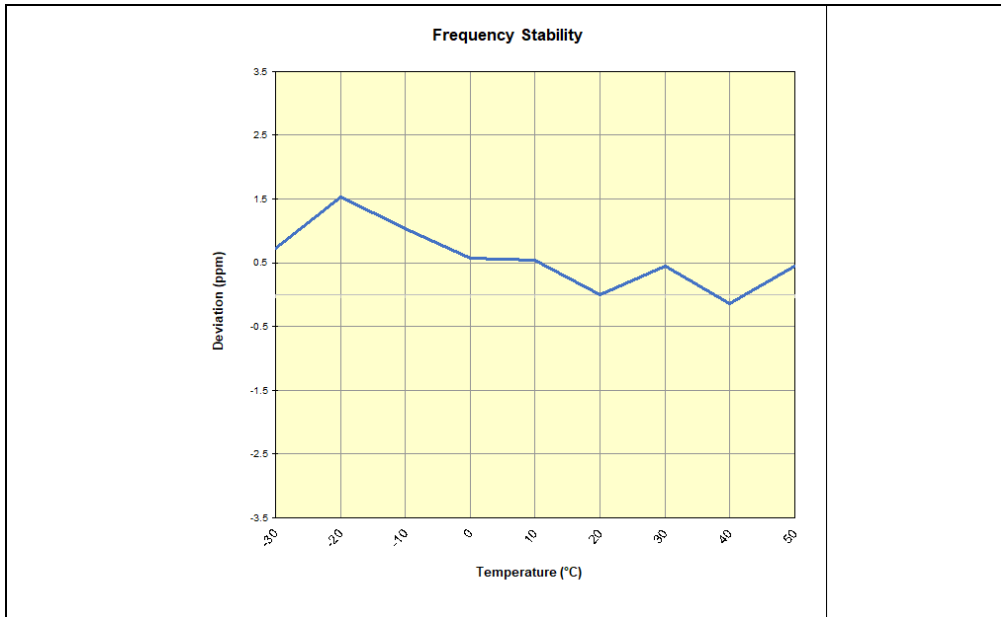
Plot 7-538. LTE Band 41(PC2) Frequency Stability Chart

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30

NR Band n30					
Operating Frequency (Hz):		2,310,000,000			
Ref. Voltage (VDC):		4.28			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,310,014,152	1,694	0.0000733
		- 20	2,310,015,999	3,541	0.0001533
		- 10	2,310,014,865	2,407	0.0001042
		0	2,310,013,794	1,336	0.0000578
		+ 10	2,310,013,697	1,239	0.0000536
		+ 20 (Ref)	2,310,012,458	0	0.0000000
		+ 30	2,310,013,478	1,020	0.0000442
		+ 40	2,310,012,147	-311	-0.0000135
		+ 50	2,310,013,477	1,019	0.0000441
Battery Endpoi	3.47	+ 20	2,310,012,642	184	0.0000080

Table 7-107. NR Band n30 Frequency Stability Data



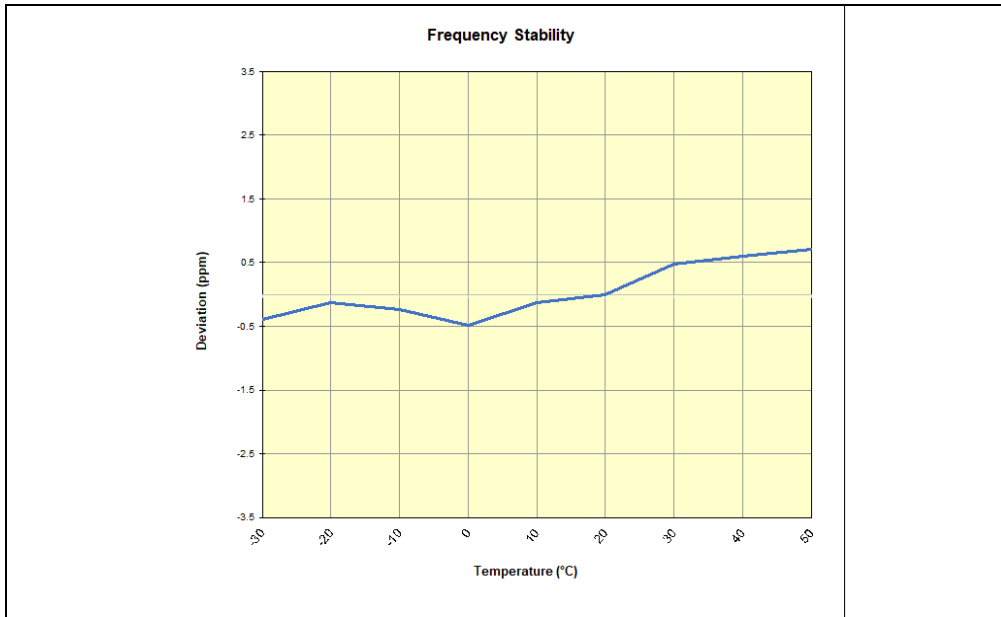
Plot 7-539. NR Band n30 Frequency Stability Chart

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n7

NR Band n7					
		Operating Frequency (Hz):		2,535,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,535,001,479	-977	-0.0000385
		- 20	2,535,002,147	-309	-0.0000122
		- 10	2,535,001,877	-579	-0.0000228
		0	2,535,001,247	-1,209	-0.0000477
		+ 10	2,535,002,114	-342	-0.0000135
		+ 20 (Ref)	2,535,002,456	0	0.0000000
		+ 30	2,535,003,647	1,191	0.0000470
		+ 40	2,535,003,987	1,531	0.0000604
Battery Endpoint	3.47	+ 20	2,535,004,198	1,742	0.0000687

Table 7-108. NR Band n7 Frequency Stability Data



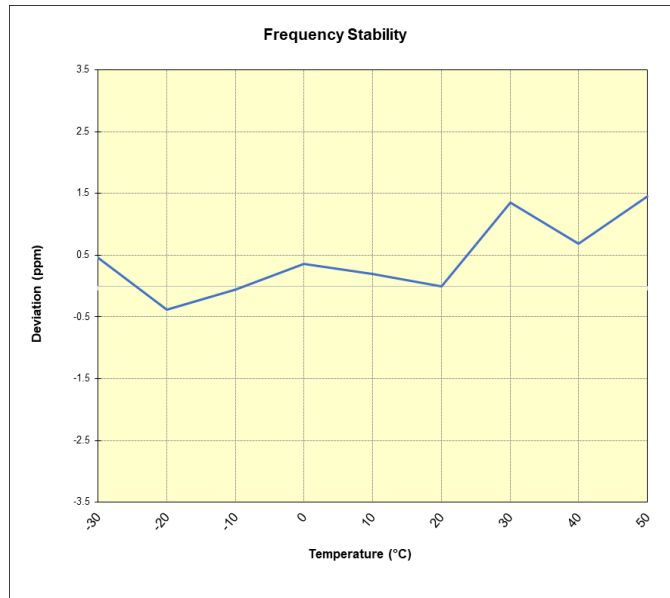
Plot 7-540. NR Band n7 Frequency Stability Chart

FCC ID: A3LSMS918U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41

NR Band n41					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.28	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.28	- 30	2,593,013,647	1,178	0.0000454
		- 20	2,593,011,478	-991	-0.0000382
		- 10	2,593,012,333	-136	-0.0000052
		0	2,593,013,417	948	0.0000366
		+ 10	2,593,012,977	508	0.0000196
		+ 20 (Ref)	2,593,012,469	0	0.0000000
		+ 30	2,593,015,987	3,518	0.0001357
		+ 40	2,593,014,258	1,789	0.0000690
Battery Endpoint	3.47	+ 20	2,593,014,856	2,387	0.0000921

Table 7-109. NR Band n41 Frequency Stability Data



Plot 7-541. 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: A3LSMS918U** complies with all the requirements of Part 27 of the FCC rules.

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