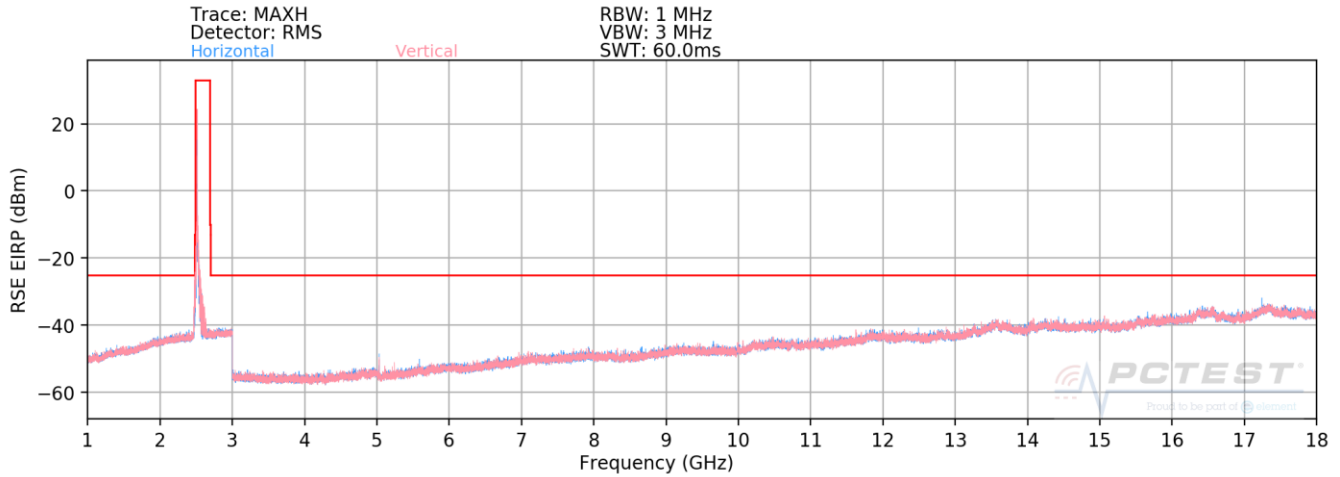
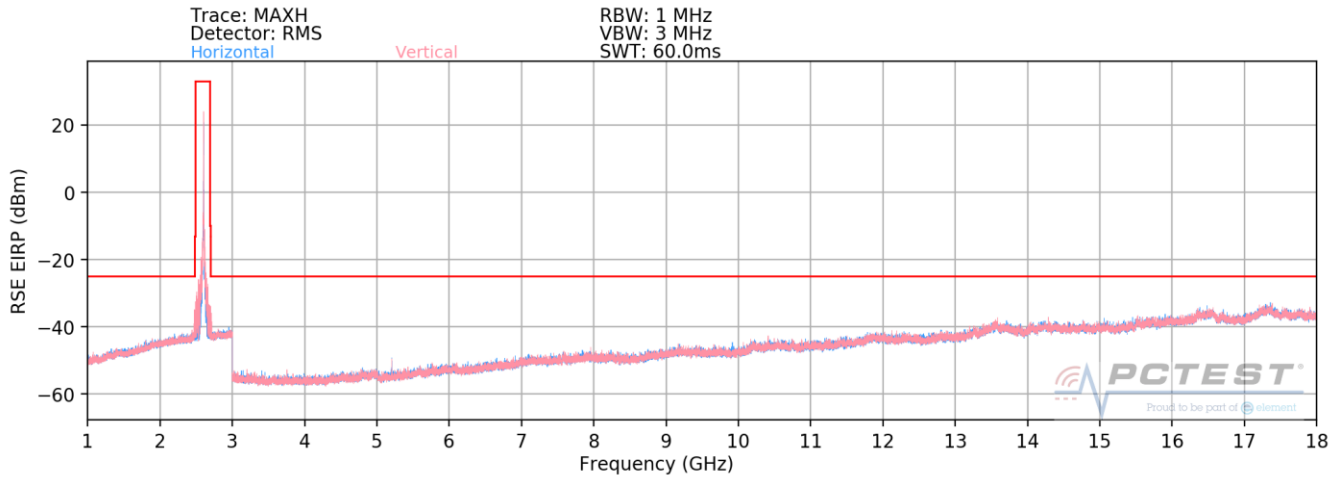


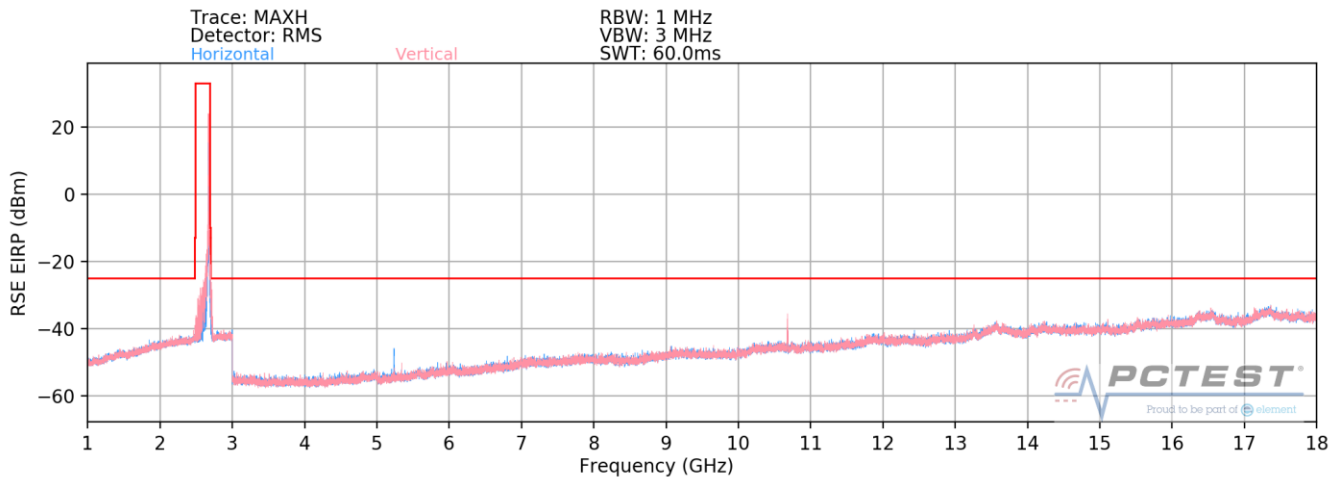
**ULCA - LTE B41(PC2)**



**Plot 7-319. Radiated Spurious Plot (ULCA LTE Band 41(PC2) - Low Channel)**



**Plot 7-320. Radiated Spurious Plot (ULCA LTE Band 41(PC2) - Mid Channel)**



**Plot 7-321. Radiated Spurious Plot (ULCA LTE Band 41(PC2) - High Channel)**

FCC ID: A3LSMS908U	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset		Page 201 of 231

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2506.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2525.8
SCC RB / Offset:	1 / 0

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]
5012.00	V	126	3	-66.56	6.04	46.48	-48.78	-25.00	-23.78
7518.00	V	376	5	-70.65	8.49	44.84	-50.42	-25.00	-25.42
10024.00	V	132	307	-70.68	10.73	47.05	-48.21	-25.00	-23.21
12530.00	V	-	-	-79.15	14.42	42.27	-52.99	-25.00	-27.99
15036.00	V	143	33	-77.38	16.10	45.72	-49.53	-25.00	-24.53
17542.00	V	-	-	-79.12	17.72	45.60	-49.66	-25.00	-24.66

Table 7-26. Radiated Spurious Data (ULCA LTE Band 41(PC2) - Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2593.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2612.8
SCC RB / Offset:	1 / 0



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	326	357	-71.13	6.59	42.46	-52.80	-25.00	-27.80
7779.00	V	398	19	-72.82	8.47	42.65	-52.61	-25.00	-27.61
10372.00	V	138	316	-68.03	12.05	51.02	-44.24	-25.00	-19.24
12965.00	V	-	-	-79.22	14.61	42.39	-52.86	-25.00	-27.86
15558.00	V	-	-	-73.35	16.42	50.07	-45.19	-25.00	-20.19

Table 7-27. Radiated Spurious Data (ULCA LTE Band 41(PC2) - Mid Channel)

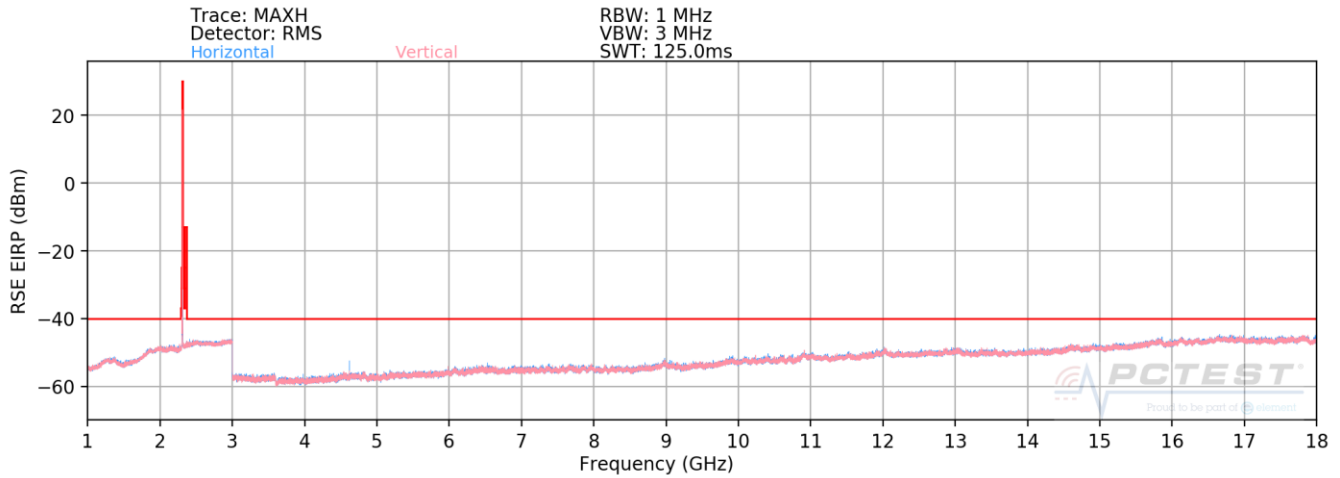
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99

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]
5360.00	V	397	237	-72.89	6.40	40.51	-54.74	-25.00	-29.74
8040.00	V	-	-	-77.55	8.56	38.01	-57.25	-25.00	-32.25
10720.00	V	117	325	-59.93	12.73	59.80	-35.46	-25.00	-10.46
13400.00	V	-	-	-78.90	14.40	42.50	-52.76	-25.00	-27.76
16080.00	V	172	6	-69.29	17.75	55.46	-39.79	-25.00	-14.79

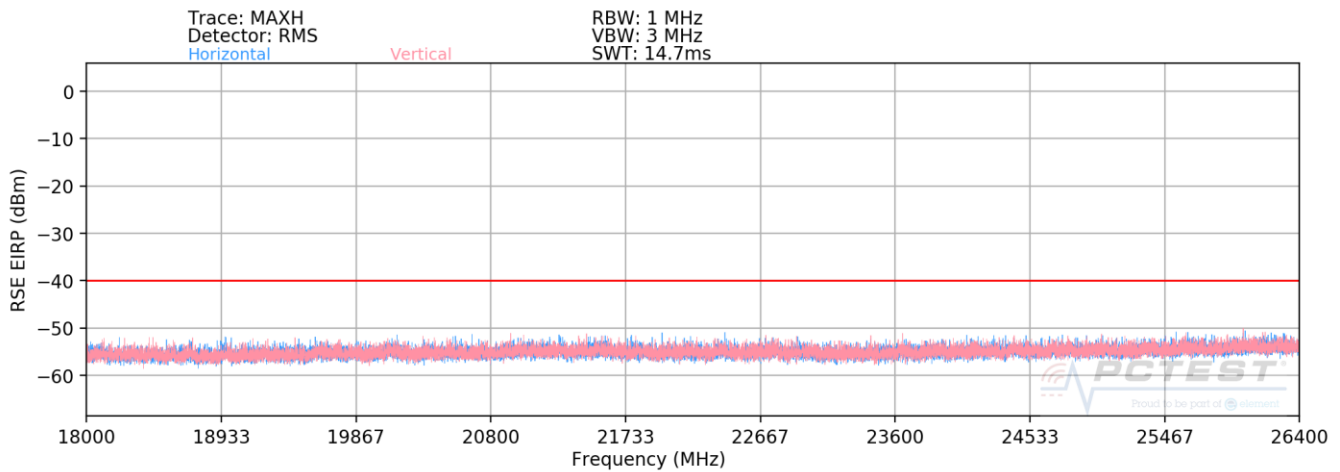
Table 7-28. Radiated Spurious Data (ULCA LTE Band 41(PC2) - High Channel)

FCC ID: A3LSMS908U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset	Page 202 of 231

### NR Band n30 - Ant A



Plot 7-322. Radiated Spurious Plot (NR Band n30 - Ant A)



Plot 7-323. Radiated Spurious Plot (NR Band n30 - Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

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]
4620.00	H	148	334	-71.12	5.64	41.52	-53.74	-40.00	-13.74
6930.00	H	260	54	-76.82	8.21	38.39	-56.86	-40.00	-16.86
9240.00	H	140	311	-75.32	9.33	41.01	-54.25	-40.00	-14.25
11550.00	H	115	345	-79.68	13.56	40.88	-54.38	-40.00	-14.38
13860.00	H	131	14	-78.26	14.92	43.66	-51.59	-40.00	-11.59
16170.00	H	-	-	-81.76	17.98	43.22	-52.03	-40.00	-12.03
18480.00	H	-	-	-57.02	3.10	53.08	-51.72	-40.00	-11.72
20790.00	H	-	-	-58.12	4.47	53.35	-51.45	-40.00	-11.45



Table 7-29. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant A)

FCC ID: A3LSMS908U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset	Page 203 of 231

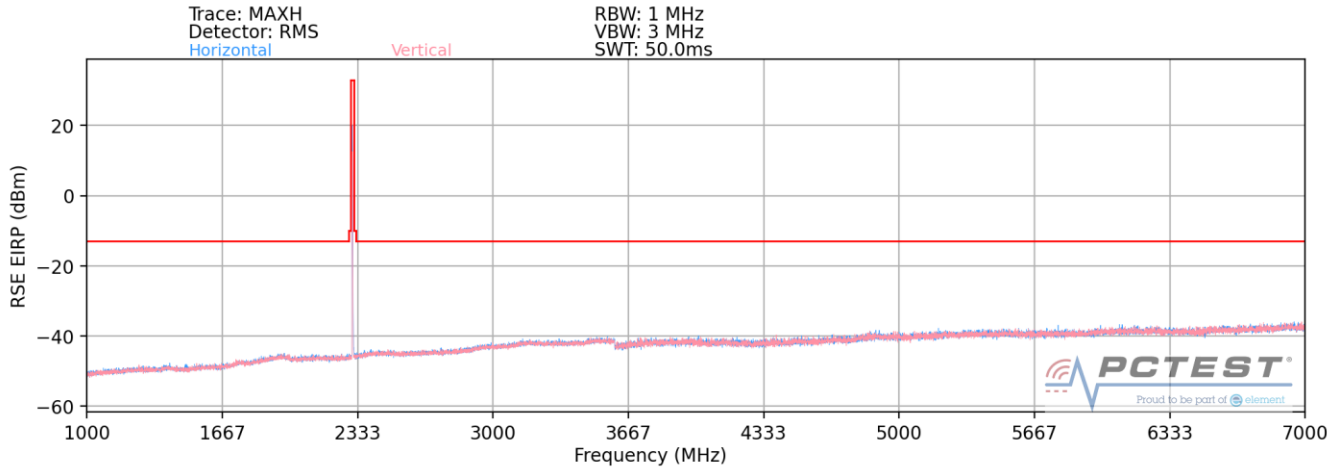
<b>Bandwidth (MHz):</b>	10
<b>Frequency (MHz):</b>	2310.0
<b>RB / Offset:</b>	1 / 26

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]
4620.00	H	125	350	-74.72	5.64	37.92	-57.34	-40.00	-17.34
6930.00	H	198	22	-77.46	8.21	37.75	-57.50	-40.00	-17.50
9240.00	H	122	332	-76.29	9.33	40.04	-55.22	-40.00	-15.22
11550.00	H	223	356	-80.97	13.56	39.59	-55.67	-40.00	-15.67
13860.00	H	144	357	-79.03	14.92	42.89	-52.36	-40.00	-12.36
16170.00	H	-	-	-81.87	17.98	43.11	-52.14	-40.00	-12.14
18480.00	H	-	-	-57.96	3.10	52.14	-52.66	-40.00	-12.66
20790.00	H	-	-	-58.28	4.47	53.19	-51.61	-40.00	-11.61

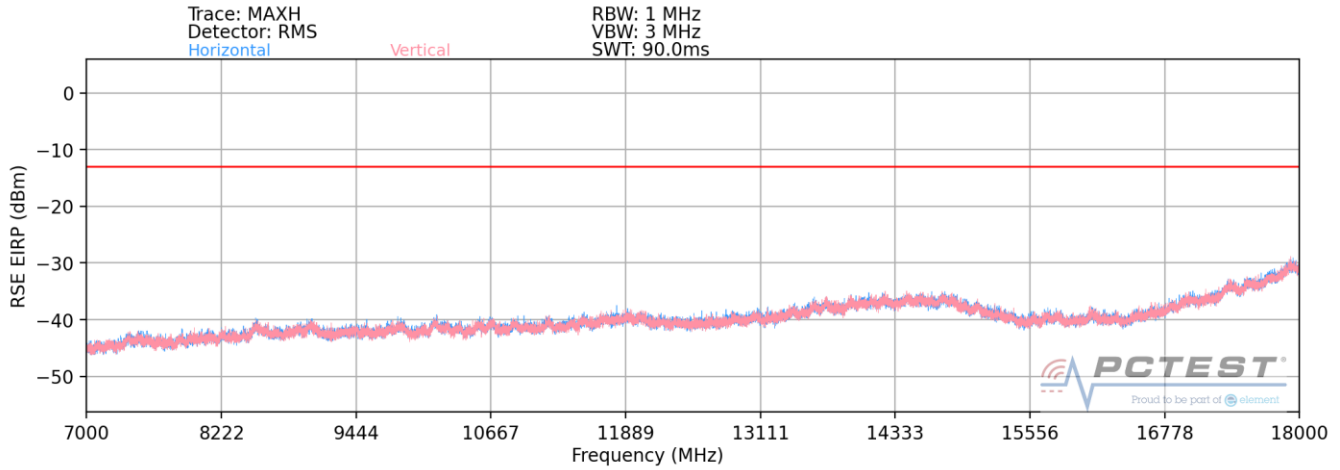
**Table 7-30. Radiated Spurious Data with WCP (NR Band n30 – Ant A)**

<b>FCC ID:</b> A3LSMS908U	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2109090102-05-R1.A3L	<b>Test Dates:</b> 9/14 - 11/12/2021	<b>EUT Type:</b> Portable Handset		Page 204 of 231

## NR Band n30 (Ant A) - LTE Band 12



Plot 7-324. Radiated Spurious Plot (NR Band n30 (Ant A) - LTE Band 12)



Plot 7-325. Radiated Spurious Plot (NR Band n30 (Ant A) - LTE Band 12)

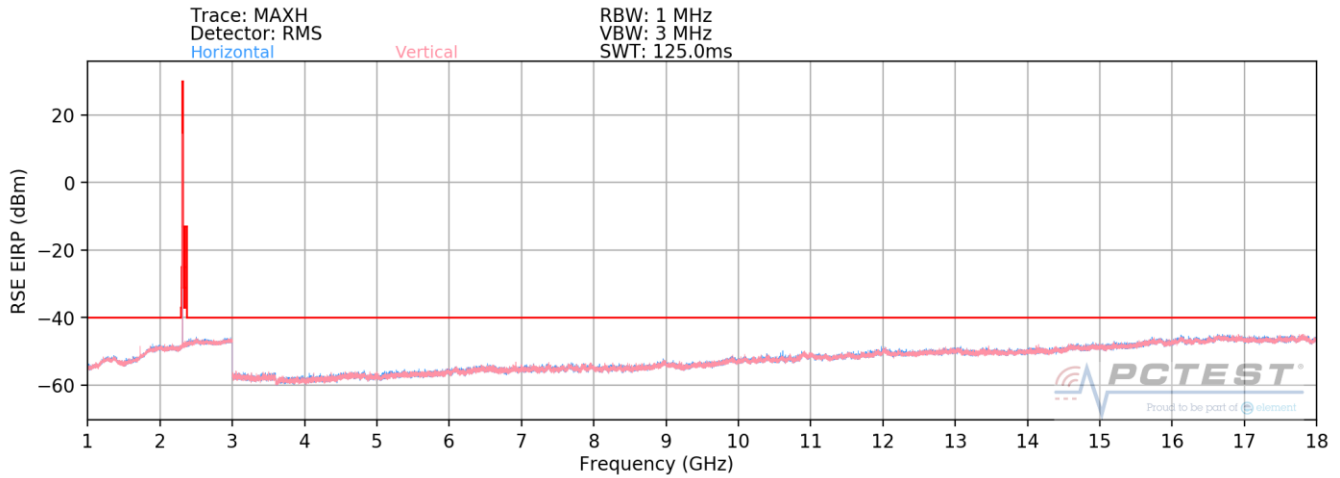
Bandwidth (MHz):	10MHz / 10MHz
Frequency (MHz):	2310 / 704
RB / Offset:	1/26 / 1/25
Mode:	EN-DC
Anchor Band:	12

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]
2503.00	H	-	-	-67.88	6.83	45.95	-49.31	-13.00	-36.31
3911.00	H	-	-	-73.22	3.70	37.48	-57.78	-13.00	-44.78
4106.00	H	-	-	-73.31	3.60	37.29	-57.97	-13.00	-44.97
5514.00	H	-	-	-73.79	6.57	39.78	-55.48	-13.00	-42.48
7118.00	H	-	-	-73.45	8.00	41.55	-53.71	-13.00	-40.71
8721.00	H	-	-	-74.28	11.21	43.93	-51.32	-13.00	-38.32

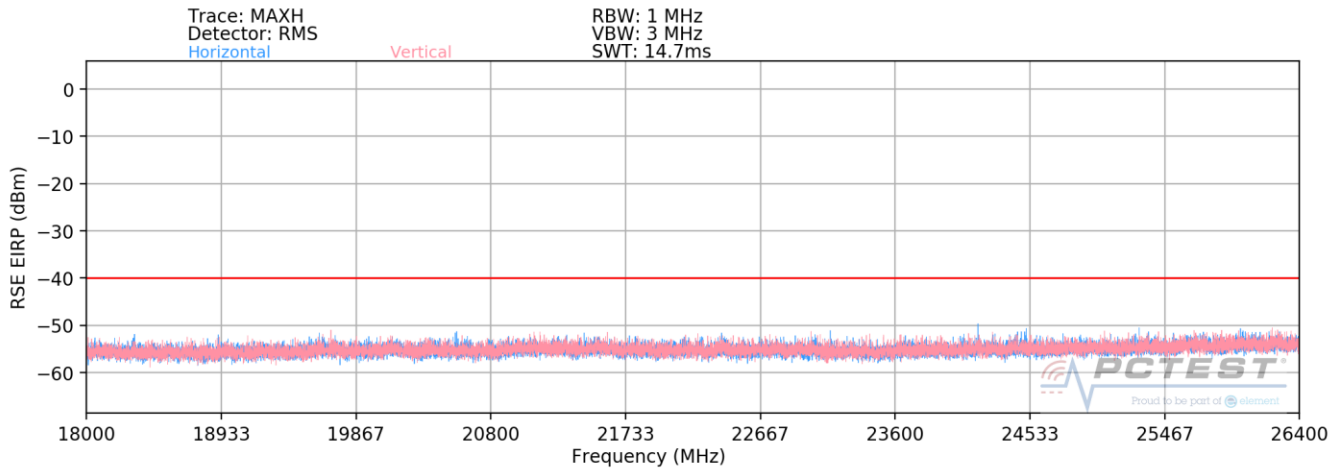
Table 7-31. Radiated Spurious Data (NR Band n30 (Ant A) - LTE Band 12)

FCC ID: A3LSMS908U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset
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### NR Band n30 - Ant J



Plot 7-326. Radiated Spurious Plot (NR Band n30 - Ant J)



Plot 7-327. Radiated Spurious Plot (NR Band n30 - Ant J)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26

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]
4620.00	H	308	309	-74.36	5.64	38.28	-56.98	-40.00	-16.98
6930.00	H	-	-	-79.25	8.21	35.96	-59.29	-40.00	-19.29
9240.00	H	-	-	-79.91	9.33	36.42	-58.84	-40.00	-18.84
11550.00	H	-	-	-81.17	13.56	39.39	-55.87	-40.00	-15.87



Table 7-32. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant J)

FCC ID: A3LSMS908U	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset	Page 206 of 231

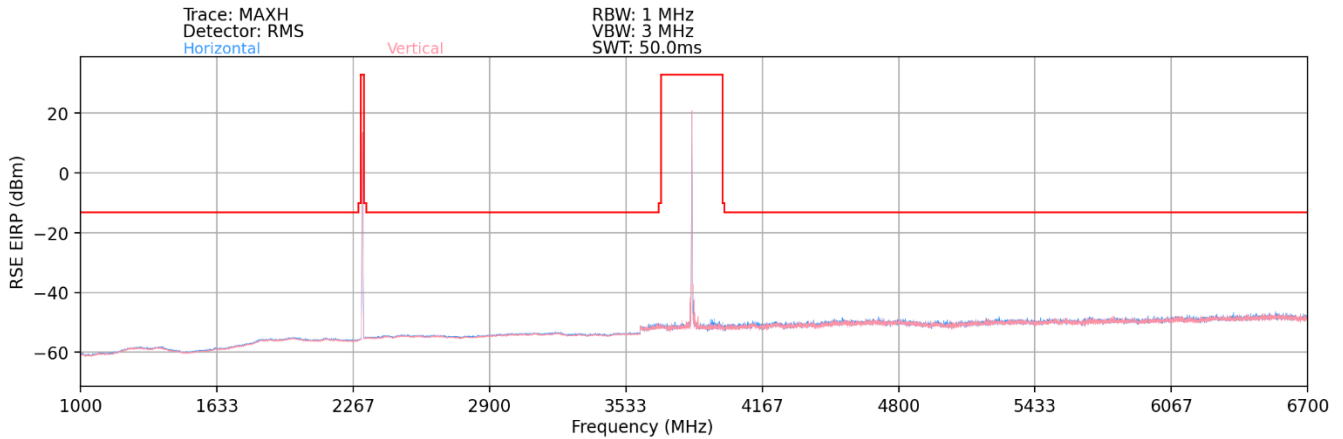
<b>Bandwidth (MHz):</b>	10
<b>Frequency (MHz):</b>	2310.0
<b>RB / Offset:</b>	1 / 26

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]
4620.00	H	176	52	-76.38	5.64	36.26	-59.00	-40.00	-19.00
6930.00	H	-	-	-79.10	8.21	36.11	-59.14	-40.00	-19.14
9240.00	H	-	-	-79.91	9.33	36.42	-58.84	-40.00	-18.84
11550.00	H	-	-	-81.16	13.56	39.40	-55.86	-40.00	-15.86

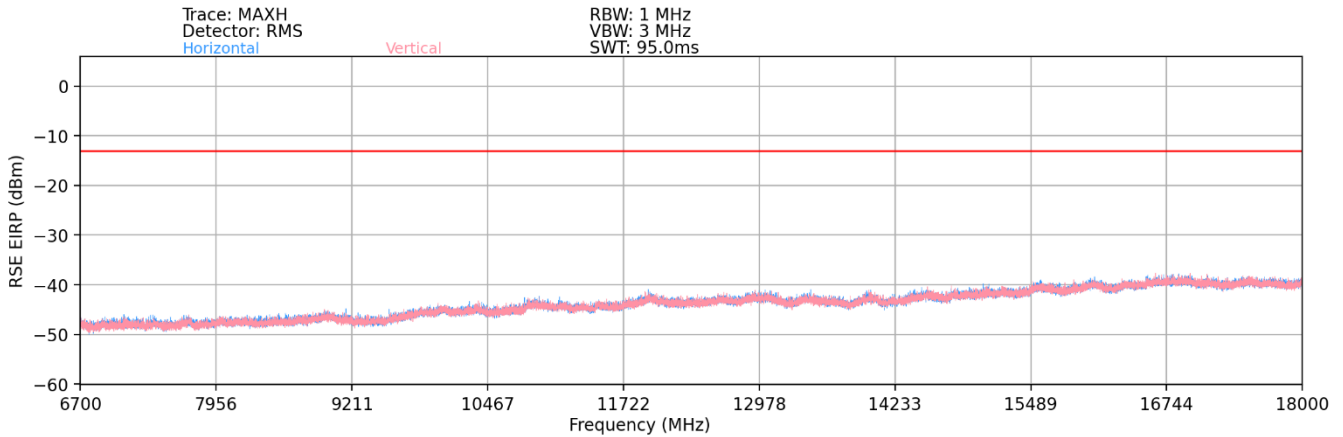
**Table 7-33. Radiated Spurious Data with WCP (NR Band n30 – Ant J)**

<b>FCC ID:</b> A3LSMS908U	 <b>PCTEST</b> <small>Proud to be part of element</small>	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2109090102-05-R1.A3L	<b>Test Dates:</b> 9/14 - 11/12/2021	<b>EUT Type:</b> Portable Handset		Page 207 of 231

**NR FR1 ULCA: NR n30 - n77**



**Plot 7-328. Radiated Spurious Plot (NR Band n30 - n77)**



**Plot 7-329. Radiated Spurious Plot (NR Band n30 - n77)**

<b>Case:</b>	n30 & n77
<b>Bandwidth (MHz):</b>	10MHz & 100MHz
<b>Frequency (MHz):</b>	2310MHz & 3840MHz
<b>RB / Offset:</b>	1 / 26 & 1/136
<b>Mode:</b>	Interband ULCA

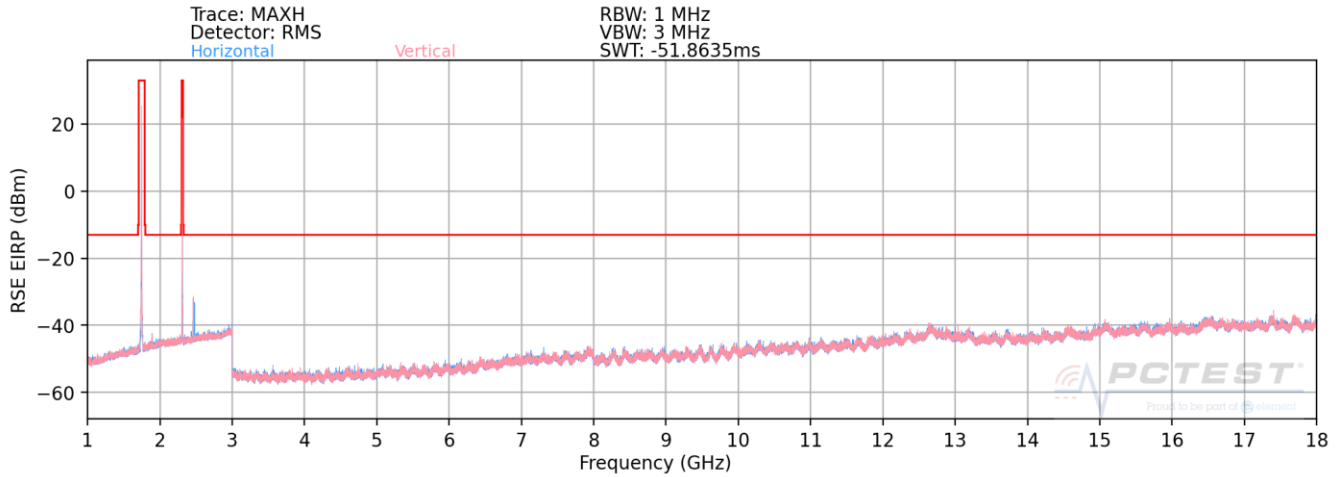
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
1530.00	H	-	-	-76.85	6.53	36.68	-58.58	-13.00	-45.58
3060.00	H	-	-	-77.53	13.38	42.85	-52.41	-13.00	-39.41
5370.00	H	-	-	-78.47	15.72	44.25	-51.01	-13.00	-38.01
6150.00	H	-	-	-79.07	17.17	45.10	-50.16	-13.00	-37.16
8460.00	H	-	-	-79.98	19.13	46.15	-49.11	-13.00	-36.11

**Table 7-34. Radiated Spurious Data (NR Band n30 - n77)**

FCC ID: A3LSMS908U	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset	Page 208 of 231	



## NR Band n30 (Ant J) - LTE Band 66





Plot 7-330. Radiated Spurious Plot (NR Band n30 (Ant J) - LTE Band 66)

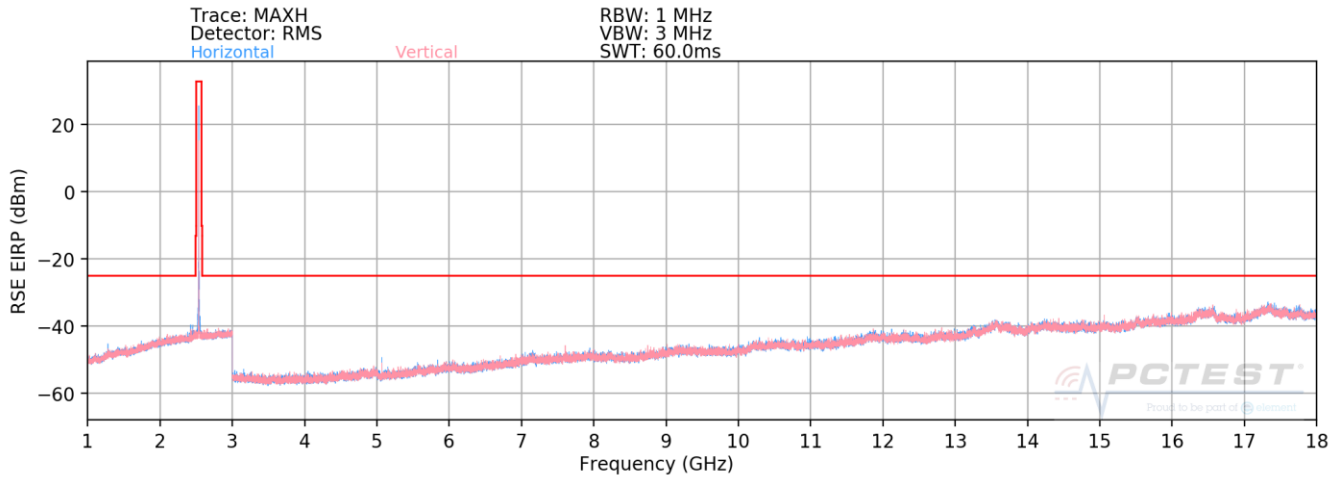
Bandwidth (MHz):	10MHz / 20MHz
Frequency (MHz):	2310 / 1745
RB / Offset:	1/26 / 1/50
Mode:	EN-DC
Anchor Band:	B66

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]
1180.00	H	-	-	-68.40	6.83	45.43	-49.83	-13.00	-36.83
2875.00	H	-	-	-67.67	14.11	53.44	-41.81	-13.00	-28.81
3440.00	H	-	-	-67.78	14.96	54.18	-41.08	-13.00	-28.08
3563.00	H	-	-	-67.90	15.32	54.42	-40.84	-13.00	-27.84
4005.00	H	-	-	-68.01	15.49	54.48	-40.77	-13.00	-27.77
4570.00	H	-	-	-68.42	16.36	54.94	-40.32	-13.00	-27.32

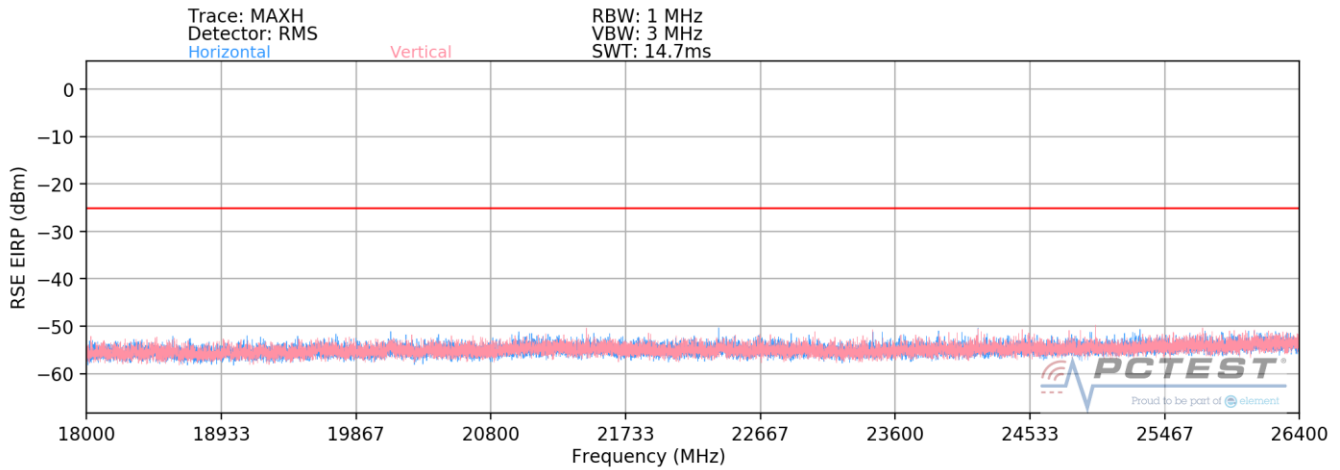
Table 7-35. Radiated Spurious Data (NR Band n30 (Ant J) - LTE Band 66)

FCC ID: A3LSMS908U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset		Page 209 of 231

### NR Band n7 - Ant B



Plot 7-331. Radiated Spurious Plot (NR Band n7 - Ant B)



Plot 7-332. Radiated Spurious Plot (NR Band n7 - Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

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]
5040.00	H	123	23	-69.29	9.51	47.22	-48.03	-25.00	-23.03
7560.00	H	109	273	-82.74	15.61	39.87	-55.38	-25.00	-30.38
10080.00	H	201	359	-76.30	19.15	49.85	-45.41	-25.00	-20.41
12600.00	H	202	2	-84.67	23.45	45.78	-49.47	-25.00	-24.47
15120.00	H	-	-	-85.67	27.71	49.04	-46.22	-25.00	-21.22
17640.00	H	-	-	-85.07	30.72	52.65	-42.61	-25.00	-17.61

Table 7-36. Radiated Spurious Data (NR Band n7 – Low Channel – Ant B)

FCC ID: A3LSMS908U	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset	Page 210 of 231	

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108

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]
5070.00	H	117	326	-73.84	9.67	42.83	-52.42	-25.00	-27.42
7605.00	H	132	55	-82.10	16.16	41.06	-54.20	-25.00	-29.20
10140.00	H	207	358	-79.62	19.79	47.17	-48.09	-25.00	-23.09
12675.00	H	211	76	-84.86	24.09	46.23	-49.03	-25.00	-24.03
15210.00	H	-	-	-85.64	27.44	48.80	-46.46	-25.00	-21.46
17745.00	H	-	-	-85.27	31.79	53.52	-41.74	-25.00	-16.74

Table 7-37. Radiated Spurious Data (NR Band n7 – Mid Channel – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108



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	107	24	-74.34	10.06	42.72	-52.54	-25.00	-27.54
7650.00	H	159	297	-82.37	15.76	40.39	-54.87	-25.00	-29.87
10200.00	H	201	349	-81.51	20.47	45.96	-49.30	-25.00	-24.30
12750.00	H	304	7	-84.45	23.89	46.44	-48.82	-25.00	-23.82
15300.00	H	-	-	-85.38	28.10	49.72	-45.53	-25.00	-20.53
17850.00	H	-	-	-85.02	30.89	52.87	-42.38	-25.00	-17.38

Table 7-38. Radiated Spurious Data (NR Band n7 – High Channel – Ant B)

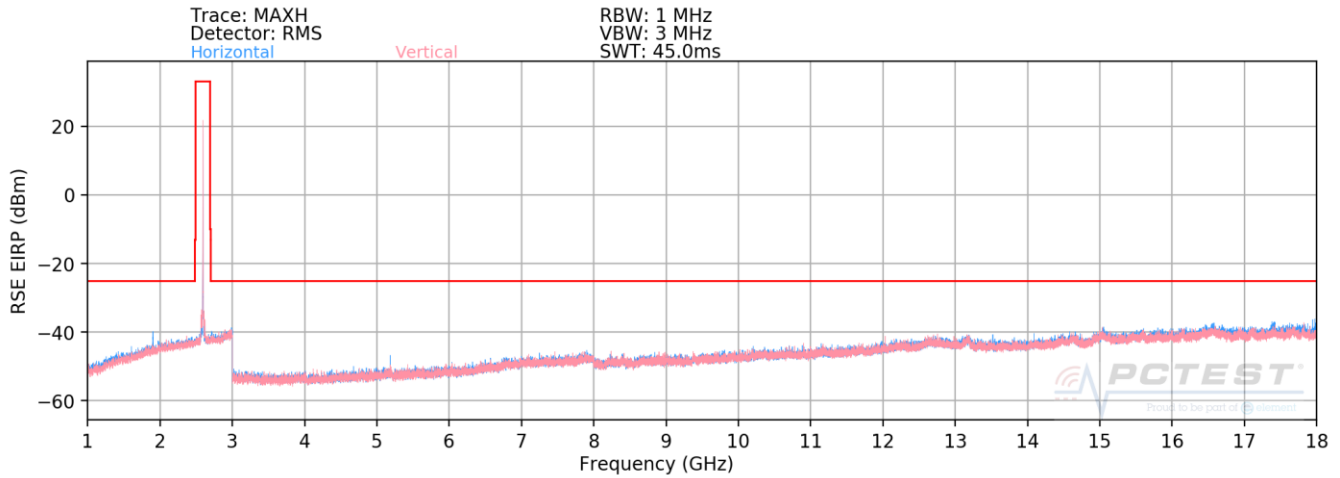
Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108

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]
5040.00	H	119	76	-73.79	9.51	42.72	-52.53	-25.00	-27.53
7560.00	H	113	323	-82.31	15.61	40.30	-54.95	-25.00	-29.95
10080.00	H	153	345	-78.61	19.15	47.54	-47.72	-25.00	-22.72
12600.00	H	171	344	-84.87	23.45	45.58	-49.67	-25.00	-24.67
15120.00	H	-	-	-85.79	27.71	48.92	-46.34	-25.00	-21.34
17640.00	H	-	-	-85.02	30.72	52.70	-42.56	-25.00	-17.56
18480.00	H	-	-	-57.96	3.10	52.14	-52.66	-40.00	-12.66
20790.00	H	-	-	-58.28	4.47	53.19	-51.61	-40.00	-11.61

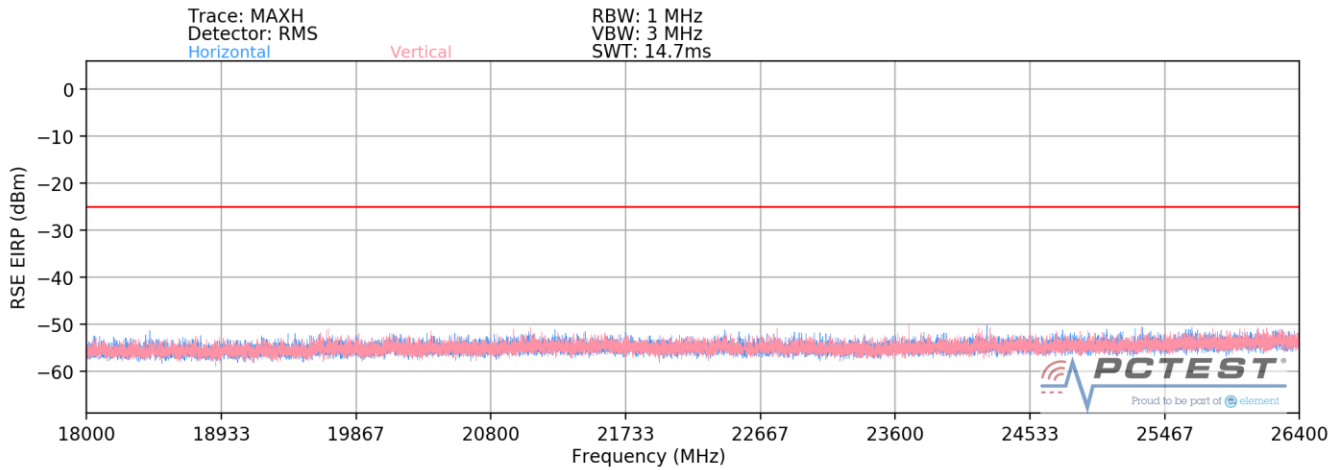
Table 7-39. Radiated Spurious Data with WCP (NR Band n7 – Ant B)

FCC ID: A3LSMS908U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset	Page 211 of 231	

### NR Band n41 - Ant J



Plot 7-333. Radiated Spurious Plot (NR Band n41 - Ant J)





Plot 7-334. Radiated Spurious Plot (NR Band n41 - Ant J)

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

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBuV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
5092.00	H	119	8	-71.52	9.00	44.48	-50.77	-25.00	-25.77
7638.00	H	-	-	-80.32	13.97	40.65	-54.61	-25.00	-29.61
10184.00	H	-	-	-81.72	16.11	41.39	-53.86	-25.00	-28.86
12730.00	H	-	-	-82.26	19.92	44.66	-50.60	-25.00	-25.60

Table 7-40. Radiated Spurious Data (NR Band n41 – Low Channel – Ant J)

FCC ID: A3LSMS908U	 PART 27 MEASUREMENT REPORT 	Approved by: Technical Manager
Test Report S/N: 1M210909102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset
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Bandwidth (MHz):	100
Frequency (MHz):	2593.0
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]
5186.00	H	101	5	-72.38	8.85	43.47	-51.79	-25.00	-26.79
7779.00	H	-	-	-80.26	13.73	40.47	-54.78	-25.00	-29.78
10372.00	H	-	-	-81.33	16.67	42.34	-52.92	-25.00	-27.92
12965.00	H	-	-	-82.45	19.61	44.16	-51.09	-25.00	-26.09
15558.00	H	-	-	-82.70	23.25	47.55	-47.71	-25.00	-22.71
18151.00	H	-	-	-58.58	3.21	51.63	-53.17	-25.00	-28.17
20744.00	H	-	-	-59.15	4.40	52.25	-52.55	-25.00	-27.55
23337.00	H	-	-	-59.53	4.63	52.10	-52.70	-25.00	-27.70

Table 7-41. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant J)

Bandwidth (MHz):	100
Frequency (MHz):	2640.0
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	100	3	-72.16	9.08	43.92	-51.33	-25.00	-26.33
7920.00	H	-	-	-81.40	15.05	40.65	-54.61	-25.00	-29.61
10560.00	H	-	-	-82.16	17.09	41.93	-53.32	-25.00	-28.32
13200.00	H	-	-	-82.52	21.24	45.72	-49.54	-25.00	-24.54

Table 7-42. Radiated Spurious Data (NR Band n41 – High Channel – Ant J)

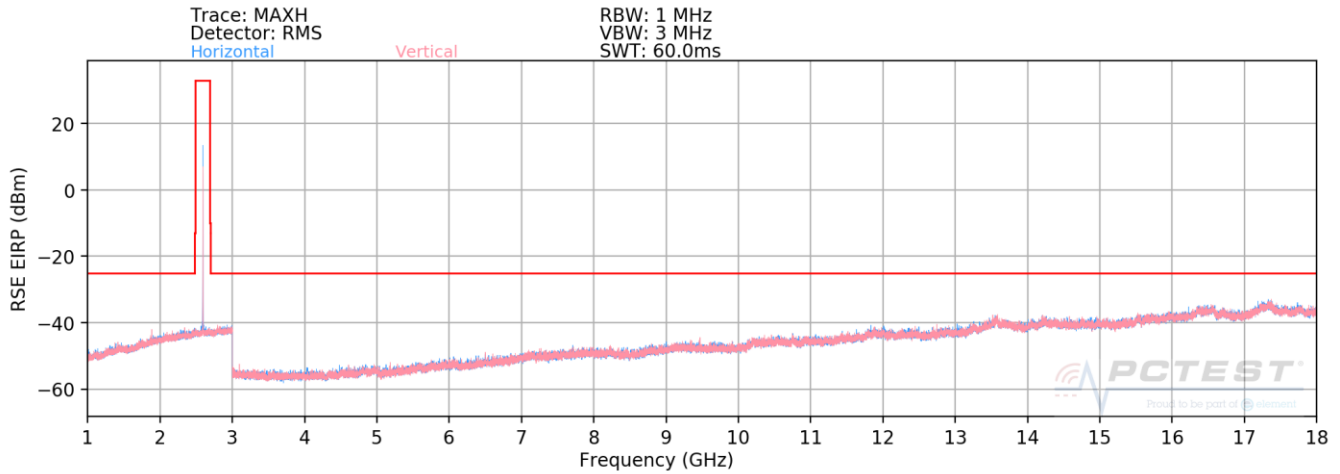
Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136

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]
5092.00	H	139	346	-75.53	9.00	40.47	-54.78	-25.00	-29.78
7638.00	H	-	-	-80.76	13.97	40.21	-55.05	-25.00	-30.05
10184.00	H	-	-	-81.82	16.11	41.29	-53.96	-25.00	-28.96
12730.00	H	-	-	-82.44	19.92	44.48	-50.78	-25.00	-25.78

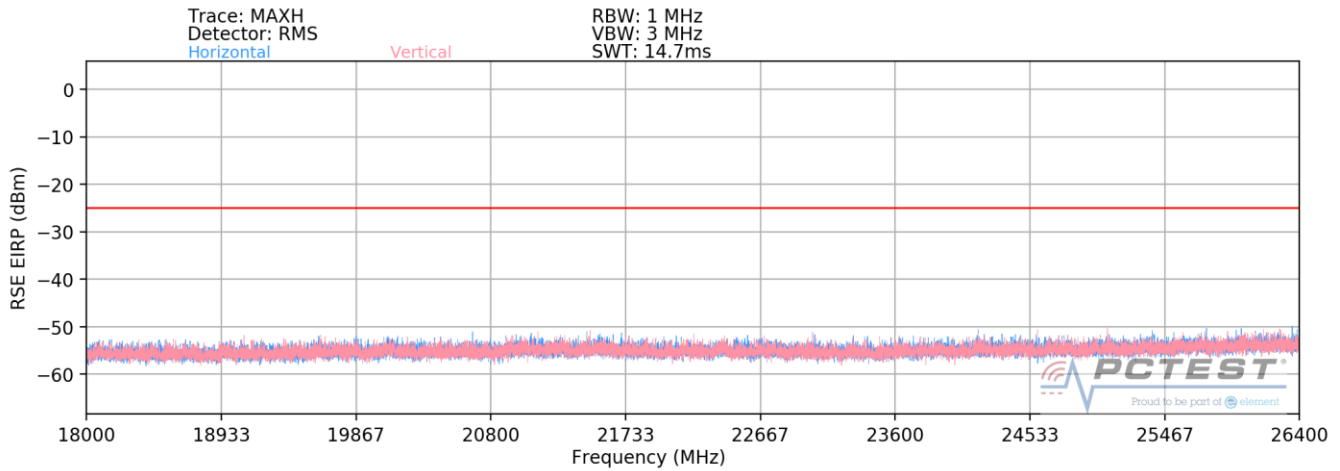
Table 7-43. Radiated Spurious Data with WCP (NR Band n41 – Ant J)

FCC ID: A3LSMS908U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset	Page 213 of 231

### NR Band n41 - SRS1 - Ant E



Plot 7-335. Radiated Spurious Plot (NR Band n41 - Ant E)



Plot 7-336. Radiated Spurious Plot (NR Band n41 - Ant E)

Bandwidth (MHz):	100
Frequency (MHz):	2550.0
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]
5100.00	H	141	19	-75.34	10.06	41.72	-53.54	-25.00	-28.54
7650.00	H	-	-	-82.27	15.76	40.49	-54.77	-25.00	-29.77
10200.00	H	-	-	-84.10	20.47	43.37	-51.89	-25.00	-26.89
12750.00	H	-	-	-84.98	23.89	45.91	-49.35	-25.00	-24.35

Table 7-44. Radiated Spurious Data (NR Band n41 – Low Channel – Ant E)

FCC ID: A3LSMS908U	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset		Page 214 of 231

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
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]
5186.00	H	125	16	-76.59	10.26	40.67	-54.59	-25.00	-29.59
7779.00	H	-	-	-82.14	15.95	40.81	-54.45	-25.00	-29.45
10372.00	H	-	-	-83.63	19.91	43.28	-51.98	-25.00	-26.98
12965.00	H	-	-	-84.75	24.27	46.52	-48.74	-25.00	-23.74
18151.00	H	-	-	-58.36	3.21	51.85	-52.95	-25.00	-27.95
20744.00	H	-	-	-58.92	4.40	52.49	-52.31	-25.00	-27.31
23337.00	H	-	-	-58.83	4.63	52.80	-52.00	-25.00	-27.00

Table 7-45. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

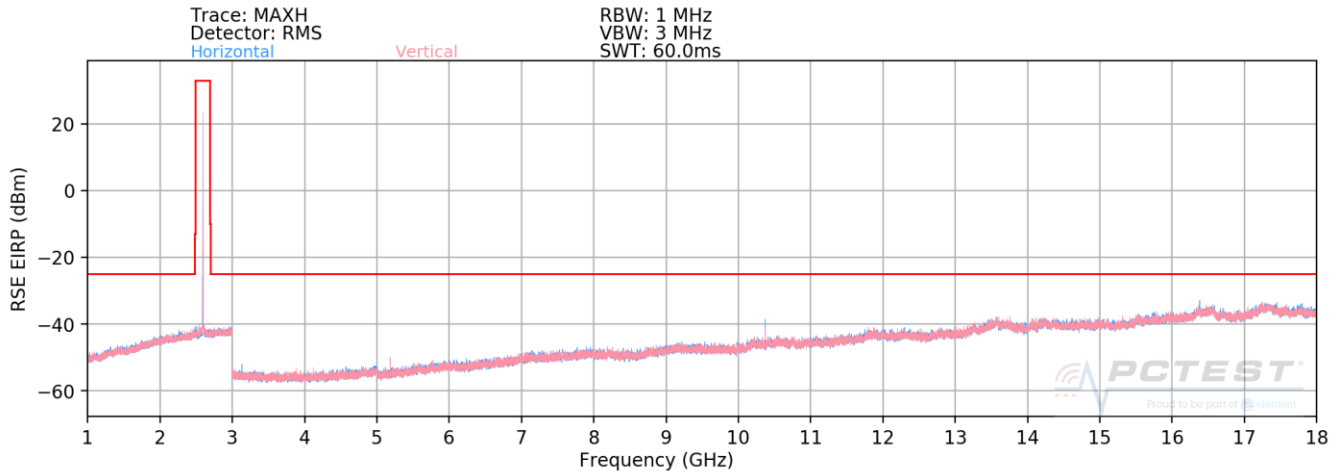
Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1/136

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	115	11	-74.65	10.61	42.96	-52.30	-25.00	-27.30
7920.00	H	-	-	-82.71	16.26	40.55	-54.70	-25.00	-29.70
10560.00	H	-	-	-83.68	20.93	44.25	-51.01	-25.00	-26.01
13200.00	H	-	-	-84.51	25.15	47.64	-47.61	-25.00	-22.61

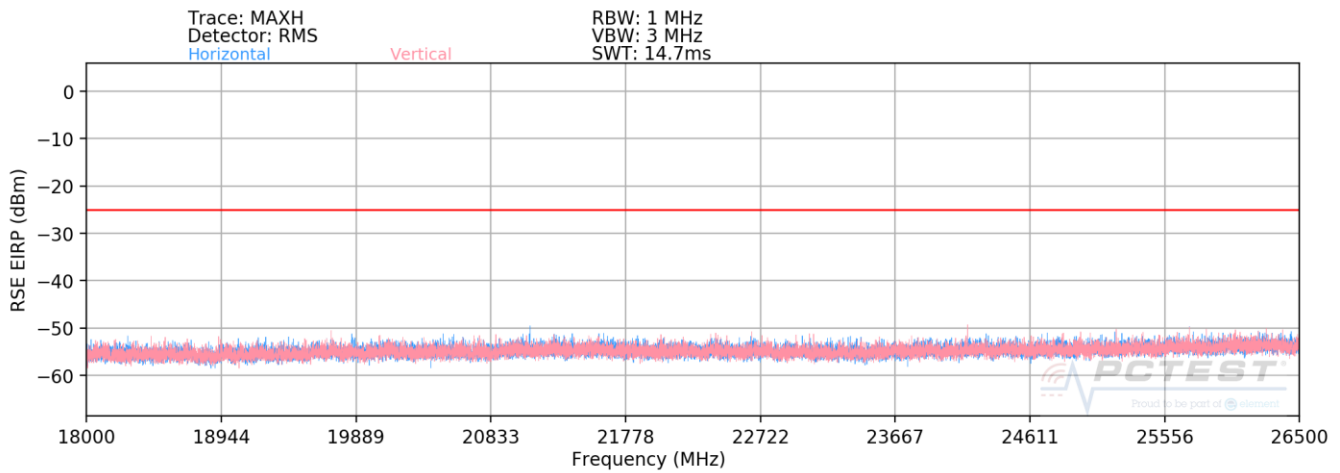
Table 7-46. Radiated Spurious Data (NR Band n41 – High Channel – Ant E)

FCC ID: A3LSMS908U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset		Page 215 of 231

### NR Band n41 - SRS2 - Ant B



Plot 7-337. Radiated Spurious Plot (NR Band n41 - Ant B)



Plot 7-338. Radiated Spurious Plot (NR Band n41 - Ant B)

Bandwidth (MHz):	100
Frequency (MHz):	2550.0
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]
5100.00	H	107	12	-68.88	10.06	48.18	-47.08	-25.00	-22.08
7650.00	H	106	26	-77.42	15.76	45.34	-49.92	-25.00	-24.92
10200.00	H	-	-	-83.67	20.47	43.80	-51.46	-25.00	-26.46
12750.00	H	-	-	-84.86	23.89	46.03	-49.23	-25.00	-24.23
15300.00	H	107	25	-82.14	28.10	52.96	-42.29	-25.00	-17.29
17850.00	H	-	-	-84.84	30.89	53.05	-42.20	-25.00	-17.20

Table 7-47. Radiated Spurious Data (NR Band n41 – Low Channel – Ant B)

FCC ID: A3LSMS908U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset
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Bandwidth (MHz):	100
Frequency (MHz):	2593.0
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]
5186.00	H	104	358	-74.45	10.26	42.81	-52.45	-25.00	-27.45
7779.00	H	101	345	-81.19	15.95	41.76	-53.50	-25.00	-28.50
10372.00	H	103	338	-76.69	19.91	50.22	-45.04	-25.00	-20.04
12965.00	H	-	-	-84.63	24.27	46.64	-48.62	-25.00	-23.62
15558.00	H	-	-	-84.53	28.98	51.45	-43.80	-25.00	-18.80
18151.00	H	-	-	-57.87	3.21	52.34	-52.46	-25.00	-27.46
20744.00	H	-	-	-57.80	4.40	53.60	-51.20	-25.00	-26.20
23337.00	H	-	-	-58.54	4.63	53.09	-51.71	-25.00	-26.71

Table 7-48. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

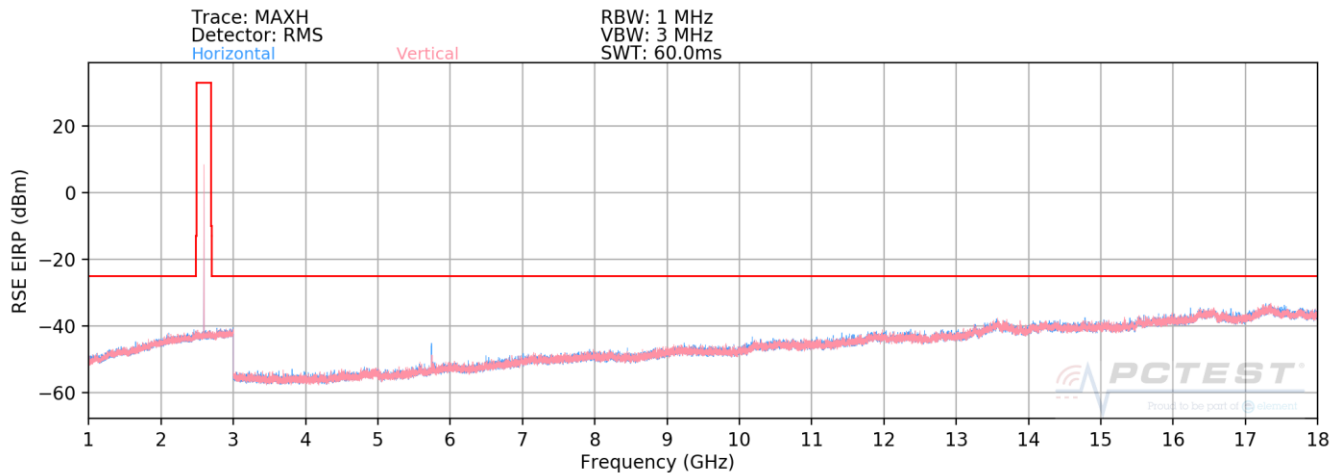
Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1/136

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	101	15	-74.91	10.61	42.70	-52.56	-25.00	-27.56
7920.00	H	102	2	-81.52	16.26	41.74	-53.51	-25.00	-28.51
10560.00	H	101	-9	-77.01	20.93	50.92	-44.34	-25.00	-19.34
13200.00	H	-	-	-85.22	25.15	46.93	-48.32	-25.00	-23.32
15840.00	H	111	6	-84.54	28.75	51.21	-44.05	-25.00	-19.05

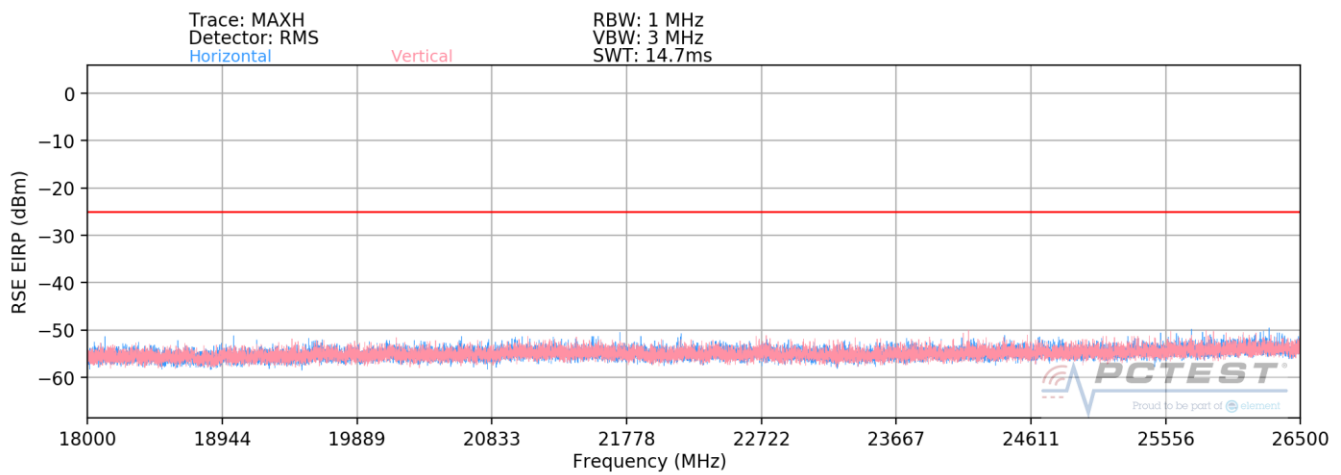
Table 7-49. Radiated Spurious Data (NR Band n41 – High Channel – Ant B)

FCC ID: A3LSMS908U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset		Page 217 of 231

### NR Band n41 - SRS4 - Ant D





Plot 7-339. Radiated Spurious Plot (NR Band n41 - Ant D)



Plot 7-340. Radiated Spurious Plot (NR Band n41 - Ant D)

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	101	354	-80.83	10.06	36.23	-59.03	-25.00	-34.03
7650.00	V	-	-	-82.75	15.76	40.01	-55.25	-25.00	-30.25
10200.00	V	130	352	-83.19	20.47	44.28	-50.98	-25.00	-25.98
12750.00	V	-	-	-85.01	23.89	45.88	-49.38	-25.00	-24.38
15300.00	V	-	-	-85.31	28.10	49.79	-45.46	-25.00	-20.46
17850.00	V	-	-	-85.12	30.89	52.77	-42.48	-25.00	-17.48

Table 7-50. Radiated Spurious Data (NR Band n41 – Low Channel – Ant D)

FCC ID: A3LSMS908U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset		Page 218 of 231

Bandwidth (MHz):	100
Frequency (MHz):	2593.0
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]
5186.00	V	109	-8	-80.76	10.26	36.50	-58.76	-25.00	-33.76
7779.00	V	-	-	-82.57	15.95	40.38	-54.88	-25.00	-29.88
10372.00	V	109	-5	-82.83	19.91	44.08	-51.18	-25.00	-26.18
12965.00	V	-	-	-84.66	24.27	46.61	-48.65	-25.00	-23.65
15558.00	V	-	-	-85.58	28.98	50.40	-44.85	-25.00	-19.85
18151.00	V	-	-	-57.43	3.21	52.77	-52.03	-25.00	-27.03
20744.00	V	-	-	-59.19	4.40	52.21	-52.59	-25.00	-27.59
23337.00	V	-	-	-59.16	4.63	52.47	-52.33	-25.00	-27.33

Table 7-51. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

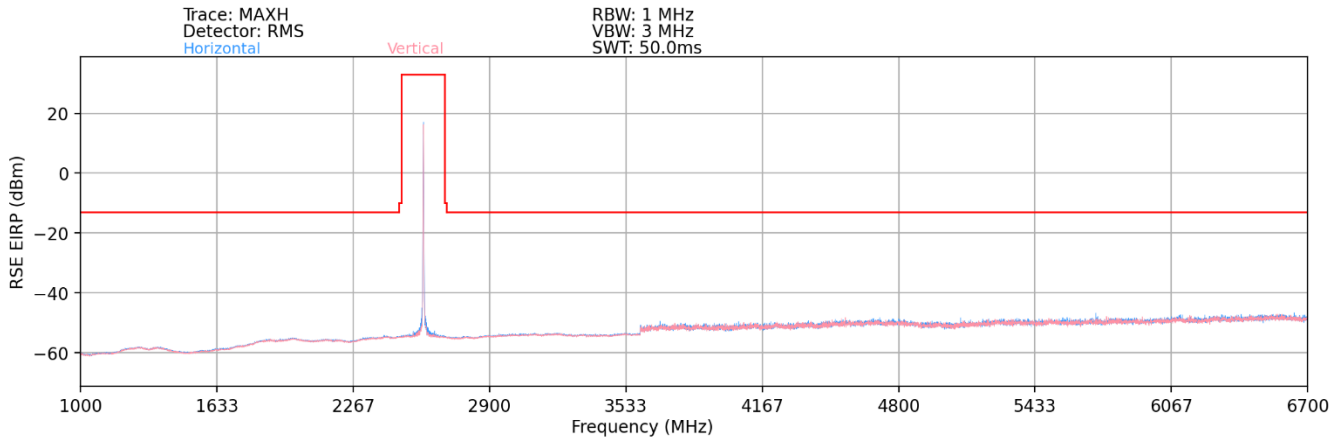
Bandwidth (MHz):	100
Frequency (MHz):	2640.0
RB / Offset:	1/136

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	112	346	-80.03	10.61	37.58	-57.68	-25.00	-32.68
7920.00	V	-	-	-82.85	16.26	40.41	-54.84	-25.00	-29.84
10560.00	V	126	358	-81.68	20.93	46.25	-49.01	-25.00	-24.01
13200.00	V	-	-	-85.30	25.15	46.85	-48.40	-25.00	-23.40
15840.00	V	-	-	-85.54	28.75	50.21	-45.05	-25.00	-20.05

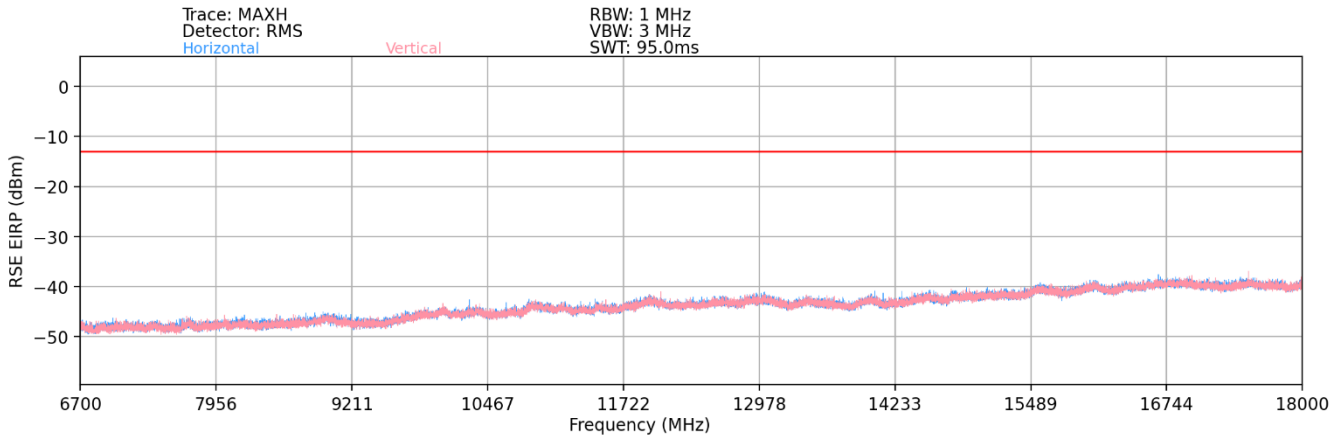
Table 7-52. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

FCC ID: A3LSMS908U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset		Page 219 of 231

# NR FR1 ULCA: NR n41 – n71



**Plot 7-341. Radiated Spurious Plot (NR Band n41 – n71)**





**Plot 7-342. Radiated Spurious Plot (NR Band n41 – n71)**

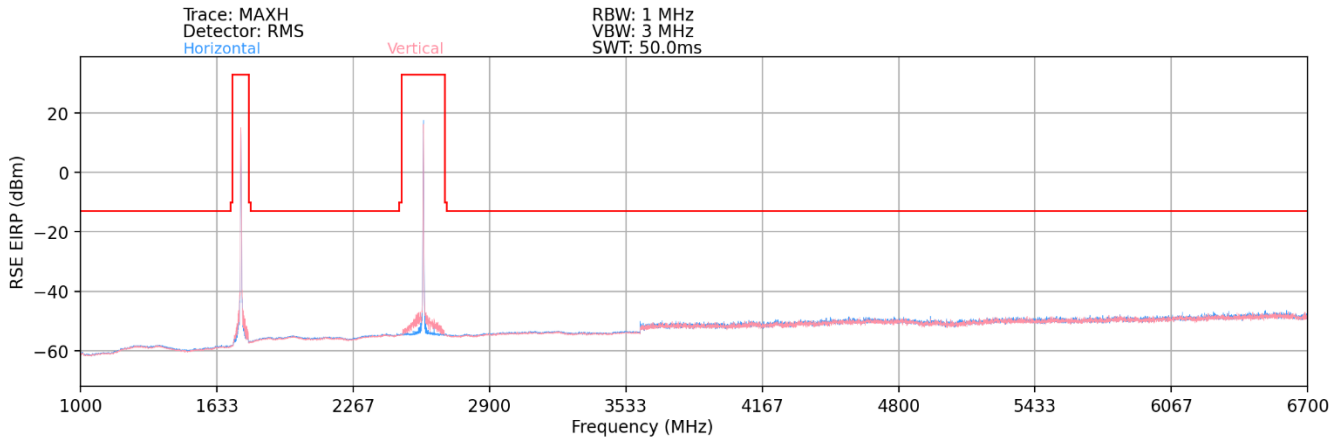
<b>Case:</b>	n71 & n41
<b>Bandwidth (MHz):</b>	20MHz & 100MHz
<b>Frequency (MHz):</b>	680.5MHz & 2593MHz
<b>RB / Offset:</b>	1 / 53 & 1/136
<b>Mode:</b>	Interband ULCA

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]
1232.00	H	-	-	-76.73	6.70	36.97	-58.29	-13.00	-45.29
1912.50	H	-	-	-76.86	10.05	40.19	-55.07	-13.00	-42.07
3954.00	H	-	-	-77.84	13.34	42.50	-52.76	-13.00	-39.76
4505.50	H	-	-	-77.72	14.55	43.83	-51.43	-13.00	-38.43
5866.50	H	-	-	-78.89	16.42	44.53	-50.73	-13.00	-37.73

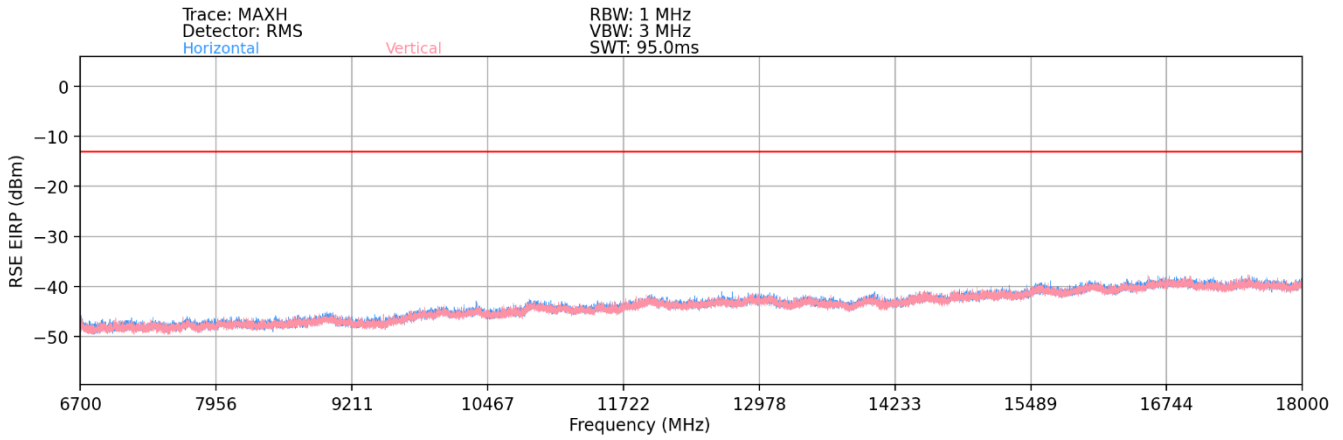
**Table 7-53. Radiated Spurious Data (NR Band n41 – n71)**

FCC ID: A3LSMS908U	 <b>PART 27 MEASUREMENT REPORT</b> 	Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset
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# NR FR1 ULCA: NR n41 - n66



Plot 7-343. Radiated Spurious Plot (NR Band n41 - n66)





Plot 7-344. Radiated Spurious Plot (NR Band n41 - n66)

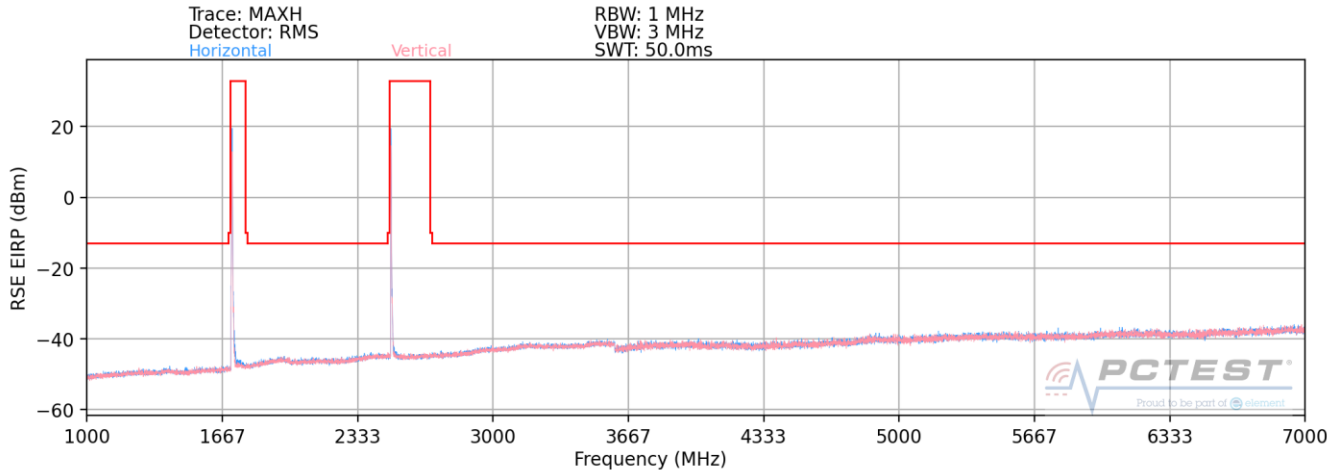
Case:	n66 & n41
Bandwidth (MHz):	40MHz & 100MHz
Frequency (MHz):	1745MHz & 2593MHz
RB / Offset:	1 / 108 & 1/136
Mode:	Interband ULCA

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]
1696.00	V	-	-	-76.71	7.04	37.33	-57.93	-13.00	-44.93
3441.00	V	-	-	-77.18	12.41	42.23	-53.03	-13.00	-40.03
4338.00	V	-	-	-77.71	14.03	43.32	-51.94	-13.00	-38.94
6034.00	V	-	-	-78.71	17.03	45.32	-49.94	-13.00	-36.94
7828.00	V	-	-	-79.91	18.56	45.65	-49.61	-13.00	-36.61

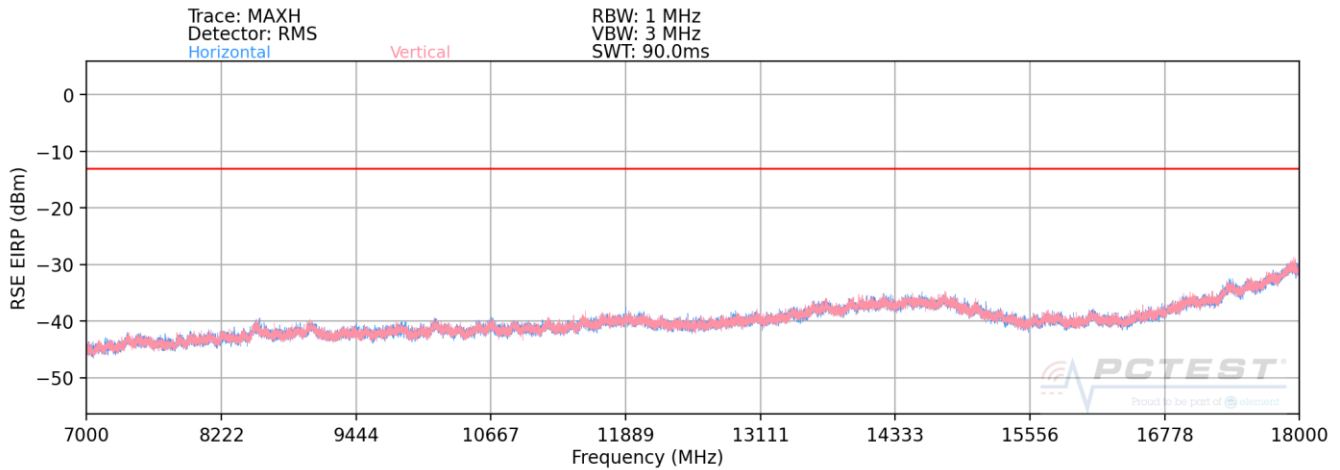
Table 7-54. Radiated Spurious Data (NR Band n41 - n66)

FCC ID: A3LSMS908U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109090102-05-R1.A3L	Test Dates: 9/14 - 11/12/2021	EUT Type: Portable Handset	Page 221 of 231

## NR Band n41 (Ant J) - LTE Band 66



Plot 7-345. Radiated Spurious Plot (NR Band n41 (Ant J) - LTE Band 66)





Plot 7-346. Radiated Spurious Plot (NR Band n41 (Ant J) - LTE Band 66)

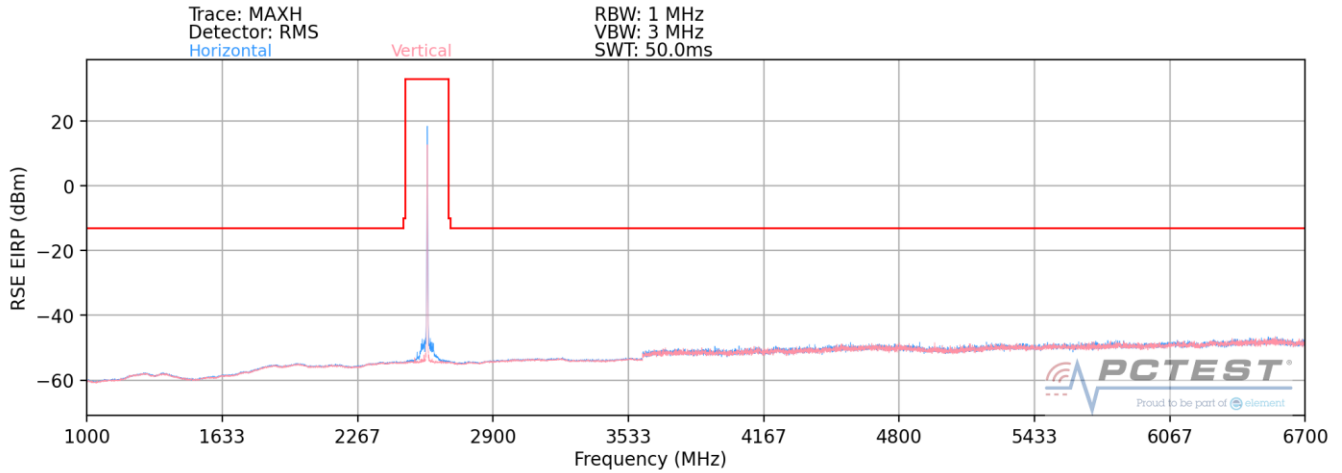
Bandwidth (MHz):	100
Frequency (MHz):	2498.5 & 1720
RB / Offset:	1 / 136 & 1 / 50
Mode:	EN-DC
Anchor Band:	LTE Band 66

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]
3277.00	H	-	-	-64.46	2.03	44.57	-50.69	-25.00	-25.69
4055.00	H	-	-	-70.40	3.41	40.01	-55.25	-25.00	-30.25
4834.00	H	-	-	-70.33	4.94	41.61	-53.65	-25.00	-28.65
5612.00	H	-	-	-71.17	6.53	42.36	-52.89	-25.00	-27.89
1394.00	H	-	-	-66.27	2.74	43.47	-51.79	-25.00	-26.79

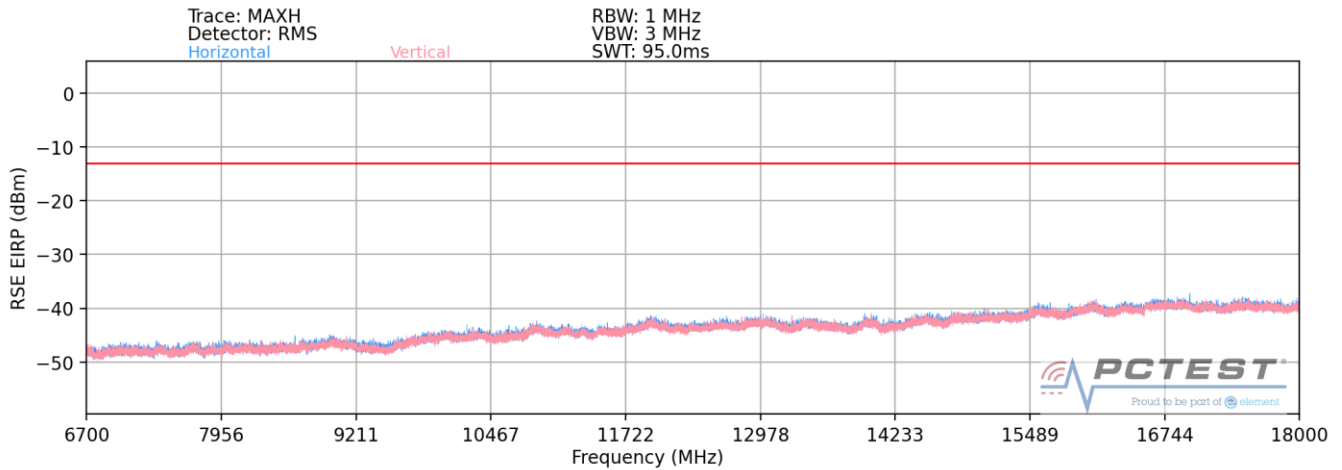
Table 7-55. Radiated Spurious Data (NR Band n41 (Ant J) - LTE Band 66)

FCC ID: A3LSMS908U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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## NR Band n41 (Ant J) - LTE Band 12



Plot 7-347. Radiated Spurious Plot (NR Band n41 (Ant J) - LTE Band 12)





Plot 7-348. Radiated Spurious Plot (NR Band n41 (Ant J) - LTE Band 12)

Bandwidth (MHz):	100
Frequency (MHz):	2593 & 707.5
RB / Offset:	1 / 136 & 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]
1178.00	H	-	-	-77.65	10.72	40.07	-55.19	-25.00	-30.19
1885.50	H	-	-	-76.51	15.76	46.25	-49.01	-25.00	-24.01
3300.50	H	-	-	-77.05	16.47	46.42	-48.84	-25.00	-23.84
4008.00	H	-	-	-77.99	18.44	47.45	-47.81	-25.00	-22.81

Table 7-56. Radiated Spurious Data (NR Band n41 (Ant J) - LTE Band 12)

FCC ID: A3LSMS908U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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## 7.10 Frequency Stability / Temperature Variation

### Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI/TIA-603-E-2016. 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.

### Test Procedure Used

ANSI/TIA-603-E-2016

### 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

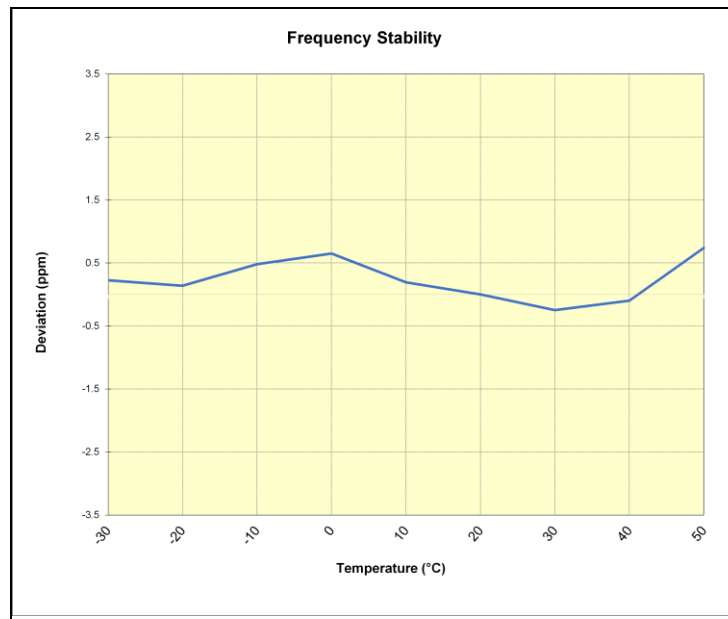
FCC ID: A3LSMS908U	 <b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>		<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2109090102-05-R1.A3L	<b>Test Dates:</b> 9/14 - 11/12/2021	<b>EUT Type:</b> Portable Handset		Page 224 of 231





# LTE Band 30

LTE Band 30					
Operating Frequency (Hz):		2,310,000,000			
Ref. Voltage (VDC):		4.43			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.43	- 30	2,310,227,081	523	0.0000226
		- 20	2,310,226,881	323	0.0000140
		- 10	2,310,227,668	1,110	0.0000480
		0	2,310,228,059	1,501	0.0000650
		+ 10	2,310,227,005	447	0.0000193
		+ 20 (Ref)	2,310,226,558	0	0.0000000
		+ 30	2,310,225,983	-575	-0.0000249
		+ 40	2,310,226,334	-224	-0.0000097
Battery Endpoint	3.36	+ 20	2,310,227,093	535	0.0000231

Table 7-57. LTE Band 30 Frequency Stability Data



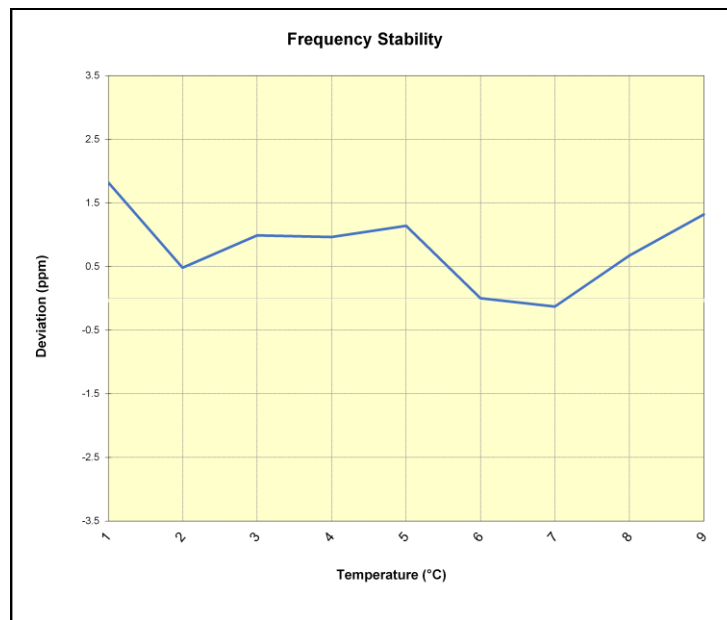
Plot 7-349. LTE Band 30 Frequency Stability Chart

FCC ID: A3LSMS908U	 PCTEST Proud to be part of element	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):		4.43			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.43	- 30	2,535,226,211	4,623	0.0001824
		- 20	2,535,222,808	1,220	0.0000481
		- 10	2,535,224,098	2,510	0.0000990
		0	2,535,224,031	2,443	0.0000964
		+ 10	2,535,224,478	2,890	0.0001140
		+ 20 (Ref)	2,535,221,588	0	0.0000000
		+ 30	2,535,221,259	-329	-0.0000130
		+ 40	2,535,223,297	1,709	0.0000674
		+ 50	2,535,224,933	3,345	0.0001319
Battery Endpoint	3.36	+ 20	2,535,223,634	2,046	0.0000807

Table 7-58. LTE Band 7 Frequency Stability Data

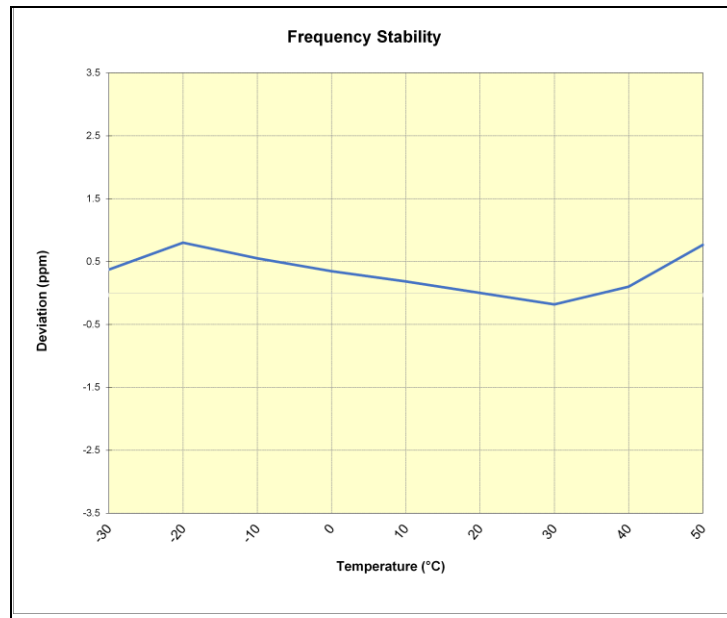


Plot 7-350. LTE Band 7 Frequency Stability Chart

FCC ID: A3LSMS908U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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<b>LTE Band 41/38</b>					
Operating Frequency (Hz):		2,593,000,000			
Ref. Voltage (VDC):		4.43			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.43	- 30	2,593,003,547	961	0.0000371
		- 20	2,593,004,661	2,075	0.0000800
		- 10	2,593,004,019	1,433	0.0000553
		0	2,593,003,482	896	0.0000346
		+ 10	2,593,003,059	473	0.0000182
		+ 20 (Ref)	2,593,002,586	0	0.0000000
		+ 30	2,593,002,117	-469	-0.0000181
		+ 40	2,593,002,843	257	0.0000099
Battery Endpoint	3.36	+ 20	2,593,003,431	845	0.0000326

**Table 7-59. LTE Band 41(PC2) Frequency Stability Data**

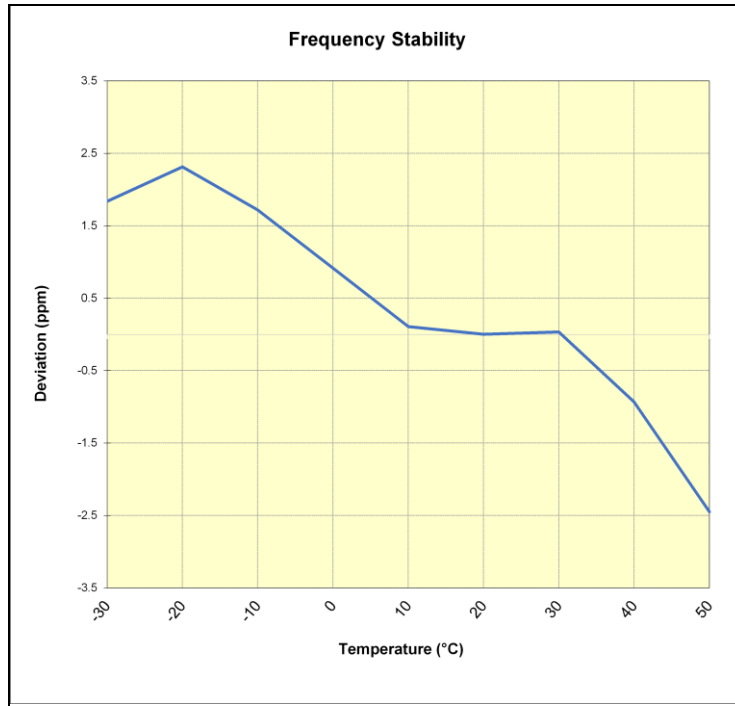


**Plot 7-351. LTE Band 41(PC2) Frequency Stability Chart**



FCC ID: A3LSMS908U	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
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<b>NR Band n30</b>					
Operating Frequency (Hz):		2,310,000,000			
Ref. Voltage (VDC):		4.43			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.43	- 30	2,310,093,621	4,243	0.0001837
		- 20	2,310,094,723	5,345	0.0002314
		- 10	2,310,093,343	3,965	0.0001716
		0	2,310,091,491	2,113	0.0000915
		+ 10	2,310,089,621	243	0.0000105
		+ 20 (Ref)	2,310,089,378	0	0.0000000
		+ 30	2,310,089,455	77	0.0000033
		+ 40	2,310,087,223	-2,155	-0.0000933
Battery Endpoi	3.36	+ 20	2,310,089,115	-263	-0.0000114

**Table 7-60. NR Band n30 Frequency Stability Data**



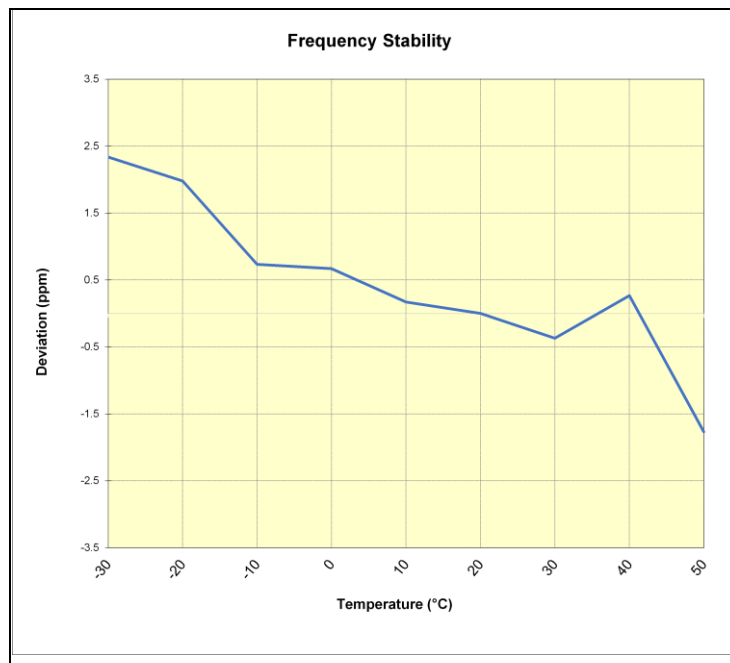
**Plot 7-352. NR Band n30 Frequency Stability Chart**

FCC ID: A3LSMS908U	 <b>PART 27 MEASUREMENT REPORT</b>		Approved by: Technical Manager
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**NR Band n7**

<b>NR Band n7</b>					
		Operating Frequency (Hz):		2,535,000,000	
		Ref. Voltage (VDC):		4.43	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.43	- 30	2,535,092,972	5,920	0.0002335
		- 20	2,535,092,066	5,014	0.0001978
		- 10	2,535,088,908	1,856	0.0000732
		0	2,535,088,752	1,700	0.0000671
		+ 10	2,535,087,483	431	0.0000170
		+ 20 (Ref)	2,535,087,052	0	0.0000000
		+ 30	2,535,086,115	-937	-0.0000370
		+ 40	2,535,087,723	671	0.0000265
Battery Endpoint	3.36	+ 20	2,535,086,986	-66	-0.0000026

**Table 7-61. NR Band n7 Frequency Stability Data**



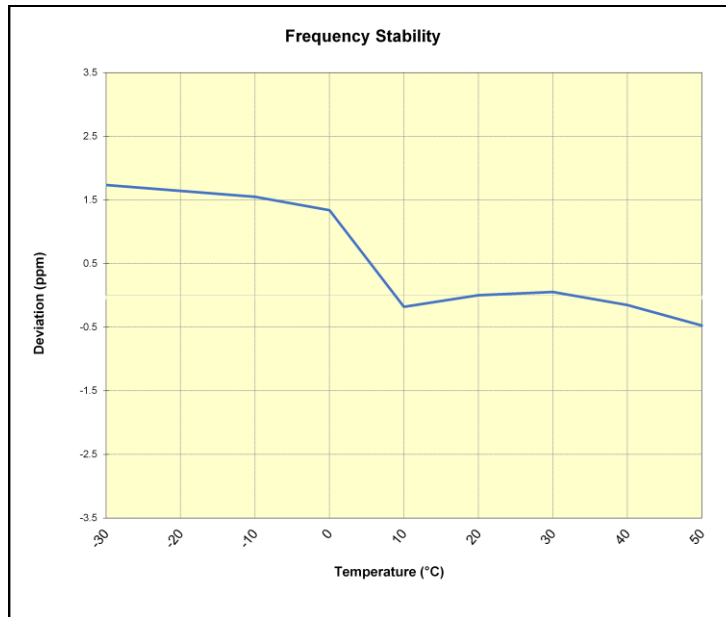
**Plot 7-353. NR Band n7 Frequency Stability Chart**

FCC ID: A3LSMS908U	<b>PCTEST</b> Proud to be part of element	<b>PART 27 MEASUREMENT REPORT</b>	<b>SAMSUNG</b>	Approved by: Technical Manager
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**NR Band n41**

<b>NR Band n41</b>					
		Operating Frequency (Hz):		2,593,000,000	
		Ref. Voltage (VDC):		4.43	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.43	- 30	2,593,088,144	4,496	0.0001734
		- 20	2,593,087,901	4,253	0.0001640
		- 10	2,593,087,661	4,013	0.0001548
		0	2,593,087,114	3,466	0.0001337
		+ 10	2,593,083,179	-469	-0.0000181
		+ 20 (Ref)	2,593,083,648	0	0.0000000
		+ 30	2,593,083,782	134	0.0000052
		+ 40	2,593,083,251	-397	-0.0000153
Battery Endpoint	3.36	+ 20	2,593,083,559	-89	-0.0000034

**Table 7-62. NR Band n41 Frequency Stability Data**





**Plot 7-354. NR Band n41 Frequency Stability Chart**

FCC ID: A3LSMS908U	 <b>PART 27 MEASUREMENT REPORT</b> 	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: A3LSMS908U** complies with all the requirements of Part 27 of the FCC rules.

<b>FCC ID:</b> A3LSMS908U	 <b>PART 27 MEASUREMENT REPORT</b> 	<b>Approved by:</b> Technical Manager
<b>Test Report S/N:</b> 1M2109090102-05-R1.A3L	<b>Test Dates:</b> 9/14 - 11/12/2021	<b>EUT Type:</b> Portable Handset
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