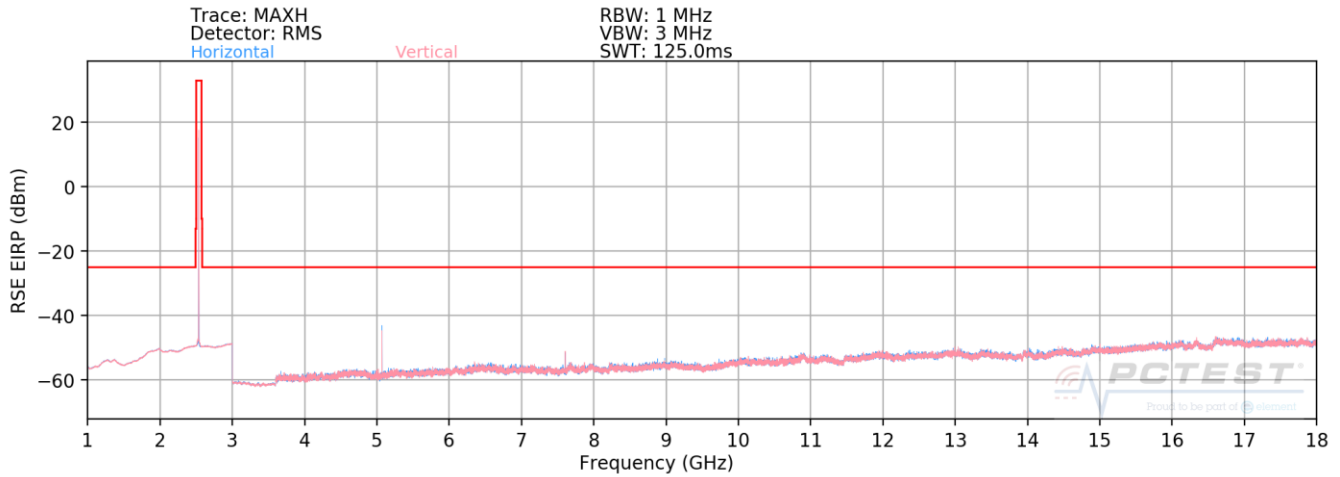
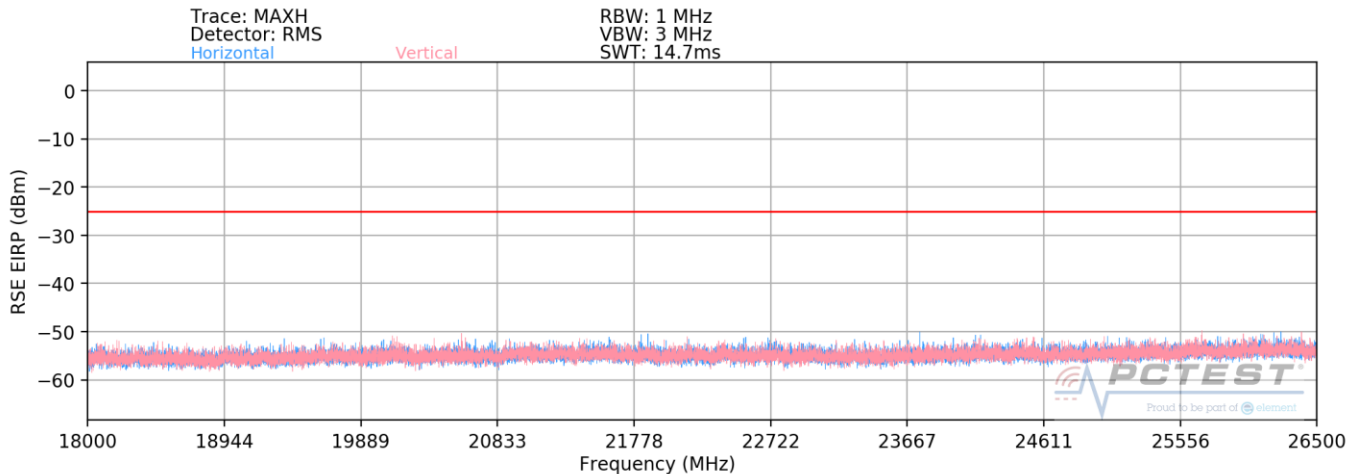


NR Band n7 – Ant B



Plot 7-319. Radiated Spurious Plot – 1-18 GHz (NR Band n7 – Ant B)





Plot 7-320. Radiated Spurious Plot – 18-26.5 GHz (NR Band n7 – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	2520.0
RB / Offset:	1 / 108
Mode:	Stand Alone
Anchor Band:	-

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	V	112	356	-64.99	5.89	47.90	-47.36	-25.00	-22.36
7560.00	V	114	281	-78.11	9.13	38.02	-57.24	-25.00	-32.24
10080.00	V	-	-	-82.28	11.98	36.70	-58.56	-25.00	-33.56
12600.00	V	-	-	-83.54	14.05	37.51	-57.75	-25.00	-32.75
15120.00	V	-	-	-84.27	16.33	39.06	-56.20	-25.00	-31.20

Table 7-40. Radiated Spurious Data (NR Band n7 – Low Channel – Ant B)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 213 of 242

Bandwidth (MHz):	40
Frequency (MHz):	2535.0
RB / Offset:	1 / 108
Mode:	Stand Alone
Anchor Band:	-

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	V	112	354	-61.88	5.91	51.03	-44.23	-25.00	-19.23
7605.00	V	370	370	-72.06	8.45	43.39	-51.87	-25.00	-26.87
10140.00	V	-	-	-82.57	11.26	35.69	-59.56	-25.00	-34.56
12675.00	V	-	-	-83.65	14.34	37.69	-57.56	-25.00	-32.56
15210.00	V	-	-	-82.86	16.42	40.56	-54.70	-25.00	-29.70

Table 7-41. Radiated Spurious Data (NR Band n7 – Mid Channel – Ant B)

Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1 / 108
Mode:	Stand Alone
Anchor Band:	-



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	348	350	-61.24	6.09	51.85	-43.41	-25.00	-18.41
7650.00	V	394	365	-73.46	9.44	42.98	-52.28	-25.00	-27.28
10200.00	V	-	-	-80.87	12.01	38.14	-57.12	-25.00	-32.12
12750.00	V	-	-	-83.85	14.43	37.58	-57.67	-25.00	-32.67
15300.00	V	-	-	-83.83	16.42	39.59	-55.67	-25.00	-30.67

Table 7-42. Radiated Spurious Data (NR Band n7 – High Channel – Ant B)

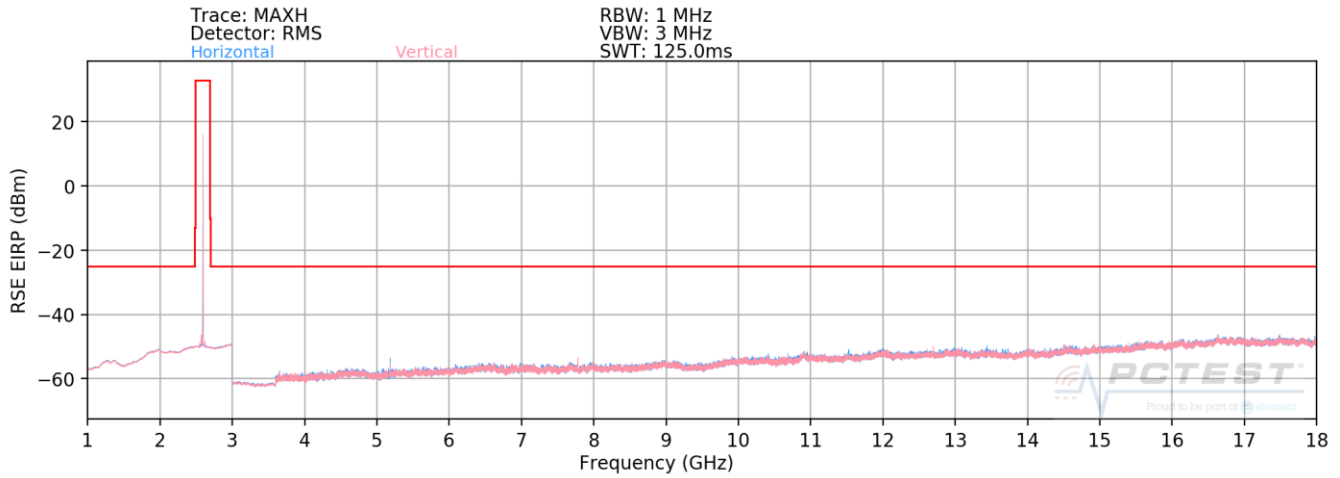
Bandwidth (MHz):	40
Frequency (MHz):	2550.0
RB / Offset:	1/108
Mode:	SA
Anchor Band:	-

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	351	329	-61.96	6.09	51.13	-44.13	-25.00	-19.13
7650.00	V	111	355	-74.09	9.44	42.35	-52.91	-25.00	-27.91
10200.00	V	-	-	-82.00	12.01	37.01	-58.25	-25.00	-33.25
12750.00	V	-	-	-83.99	14.43	37.44	-57.81	-25.00	-32.81
15300.00	V	-	-	-84.01	16.42	39.41	-55.85	-25.00	-30.85

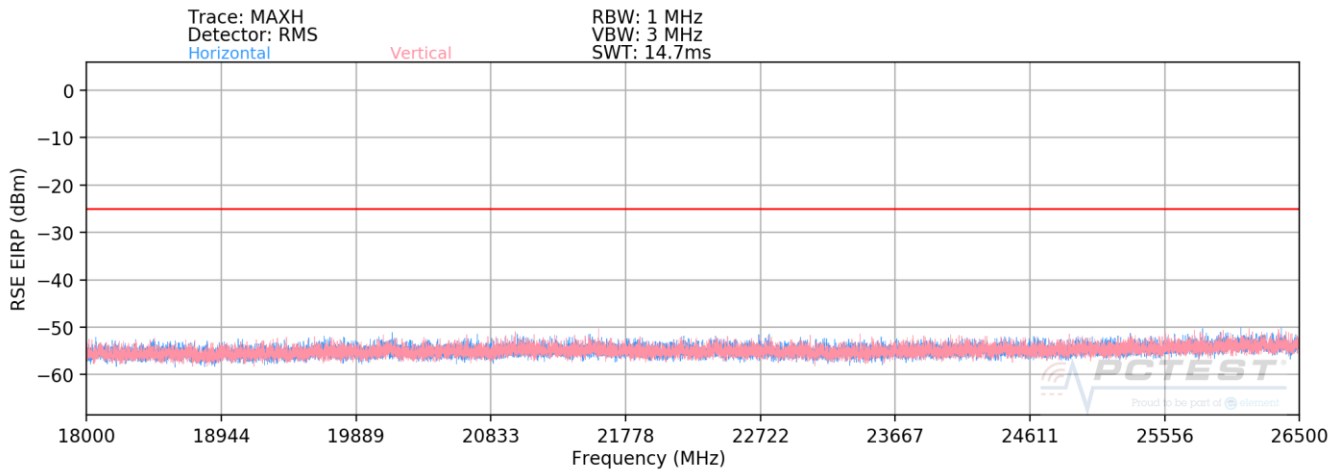
Table 7-43. Radiated Spurious Data with WCP (NR Band n7 – Ant B)

FCC ID: A3LSMS901U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – Ant F



Plot 7-321. Radiated Spurious Plot – 1-18GHz (NR Band n41 – Ant F)



Plot 7-322. Radiated Spurious Plot –18-26.5 GHz (NR Band n41 – Ant F)

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

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	279	293	-67.81	6.06	45.25	-50.01	-25.00	-25.01
7638.00	H	307	335	-70.90	9.04	45.14	-50.12	-25.00	-25.12
10184.00	H	-	-	-78.65	11.83	40.18	-55.08	-25.00	-30.08
12730.00	H	-	-	-79.26	14.34	42.08	-53.18	-25.00	-28.18
15276.00	H	-	-	-79.37	16.17	43.80	-51.46	-25.00	-26.46

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

FCC ID: A3LSMS901U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset		Page 215 of 242

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

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	258	48	-69.10	6.59	44.49	-50.77	-25.00	-25.77
7779.00	H	273	48	-75.11	8.47	40.36	-54.90	-25.00	-29.90
10372.00	H	-	-	-79.22	12.05	39.83	-55.43	-25.00	-30.43
12965.00	H	-	-	-79.35	14.61	42.26	-52.99	-25.00	-27.99
15558.00	H	-	-	-79.25	16.42	44.17	-51.09	-25.00	-26.09

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

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



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	271	54	-69.26	6.30	44.04	-51.21	-25.00	-26.21
7920.00	H	277	291	-75.63	8.68	40.05	-55.21	-25.00	-30.21
10560.00	H	-	-	-79.35	12.32	39.97	-55.29	-25.00	-30.29
13200.00	H	248	338	-77.75	14.23	43.48	-51.78	-25.00	-26.78
15840.00	H	-	-	-80.40	18.36	44.96	-50.30	-25.00	-25.30

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

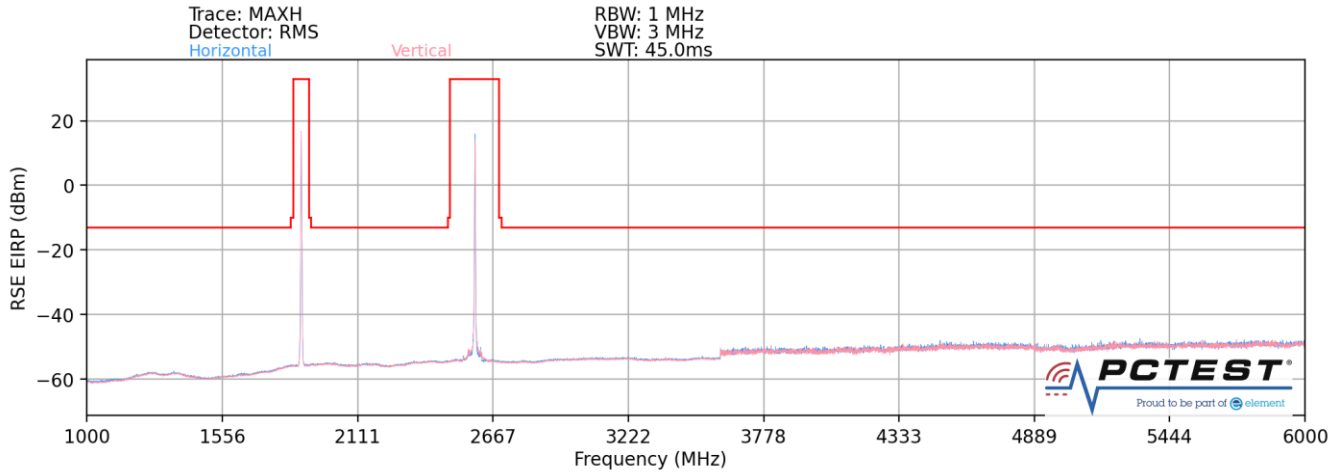
Case:	w/ Wireless Charging Pad
Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1 / 136
Mode:	Stand Alone
Anchor Band:	-

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	358	338	-69.41	6.06	43.65	-51.61	-25.00	-26.61
7638.00	H	395	64	-70.95	9.04	45.09	-50.17	-25.00	-25.17
10184.00	H	-	-	-78.79	11.83	40.04	-55.22	-25.00	-30.22
12730.00	H	-	-	-79.84	14.34	41.50	-53.76	-25.00	-28.76
15276.00	H	-	-	-79.52	16.17	43.65	-51.61	-25.00	-26.61

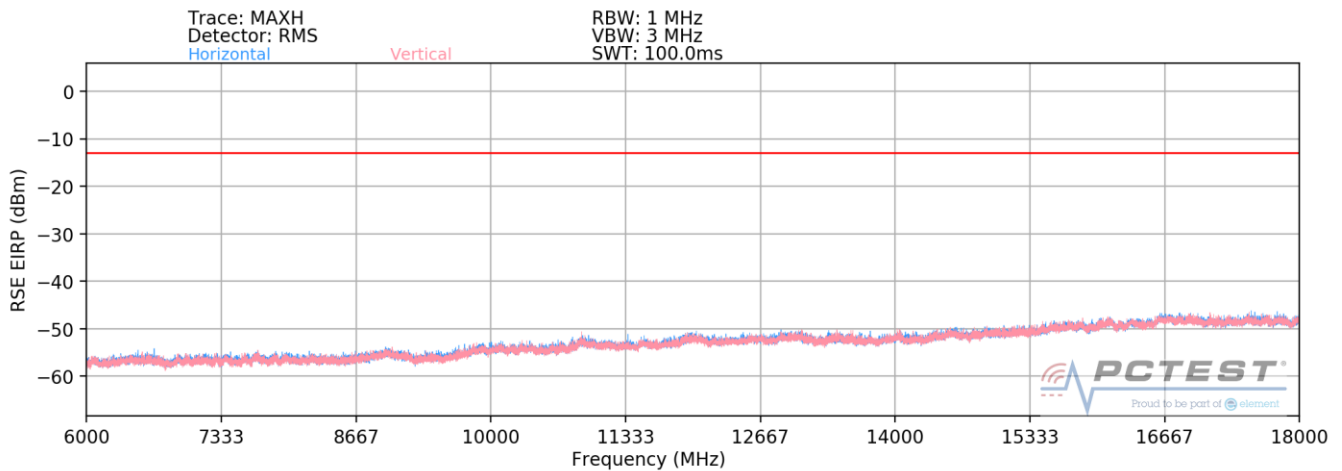
Table 7-47. Radiated Spurious Data with WCP (NR Band n41 – Ant F)

FCC ID: A3LSMS901U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 (Ant F) – Band 2



Plot 7-323. Radiated Spurious Plot (NR Band n41 (ANT F) – Anchor Band 2)





Plot 7-324. Radiated Spurious Plot (NR Band n41 (ANT F) – Anchor Band 2)

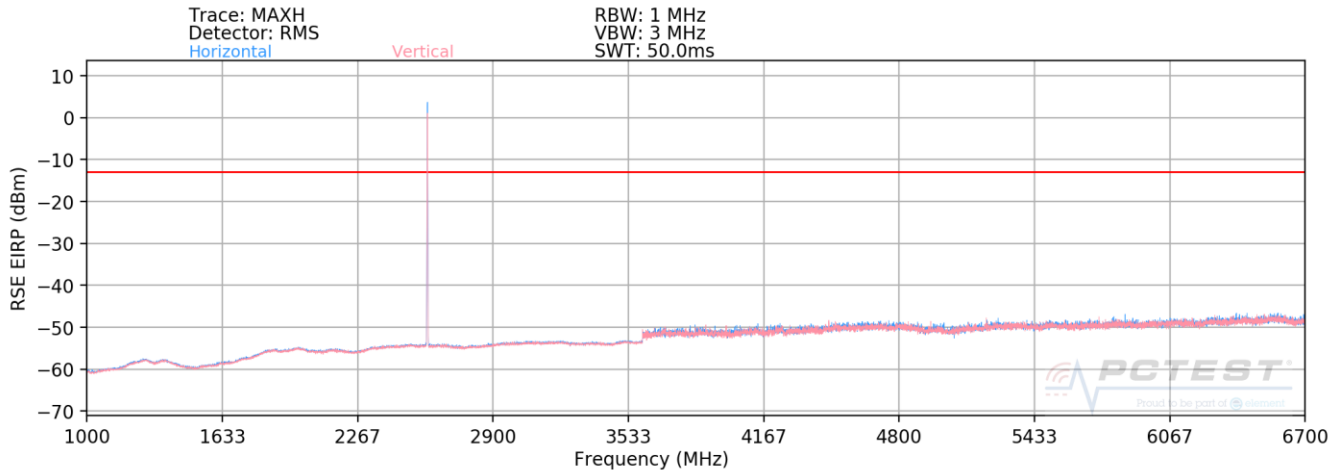
Bandwidth (MHz):	100 & 20
Frequency (MHz):	2593 & 1880
RB / Offset:	1 / 137 & 1 / 50
Mode:	EN-DC
Anchor Band:	B2

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]
1167.0	V	-	-	-78.22	4.67	33.45	-61.81	-13.00	-48.81
3306.0	V	-	-	-77.93	11.33	40.40	-54.86	-13.00	-41.86
4019.0	V	-	-	-78.93	12.47	40.54	-54.72	-13.00	-41.72

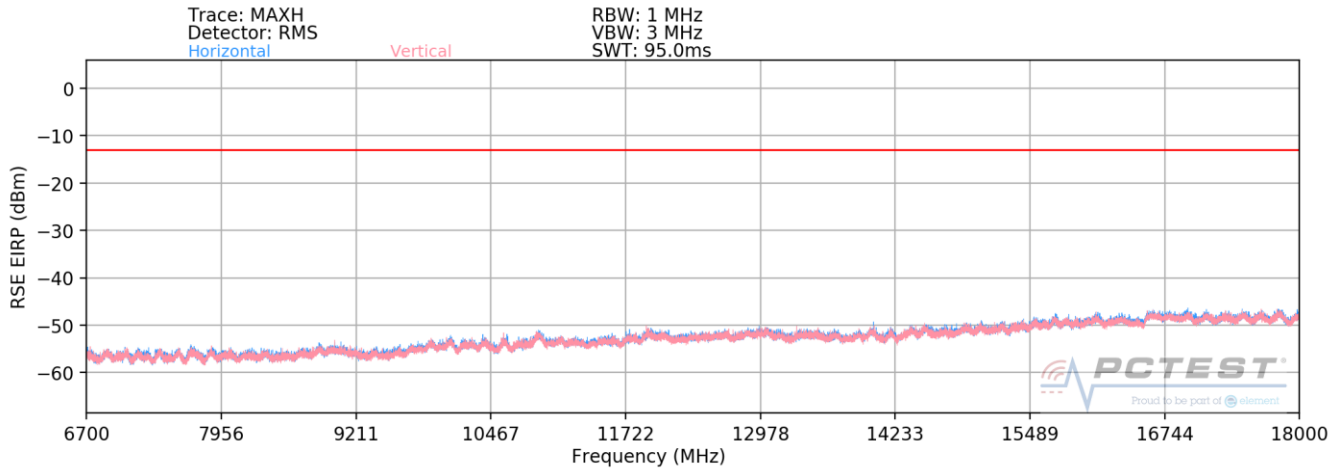
Table 7-48. Radiated Spurious Data (NR Band n41 (ANT F) – Anchor Band 2)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 217 of 242

NR FR1 ULCA: NR n41 - n71



Plot 7-325. Radiated Spurious Plot (NR Band n41 - n71)





Plot 7-326. Radiated Spurious Plot (NR Band n41 - n71)

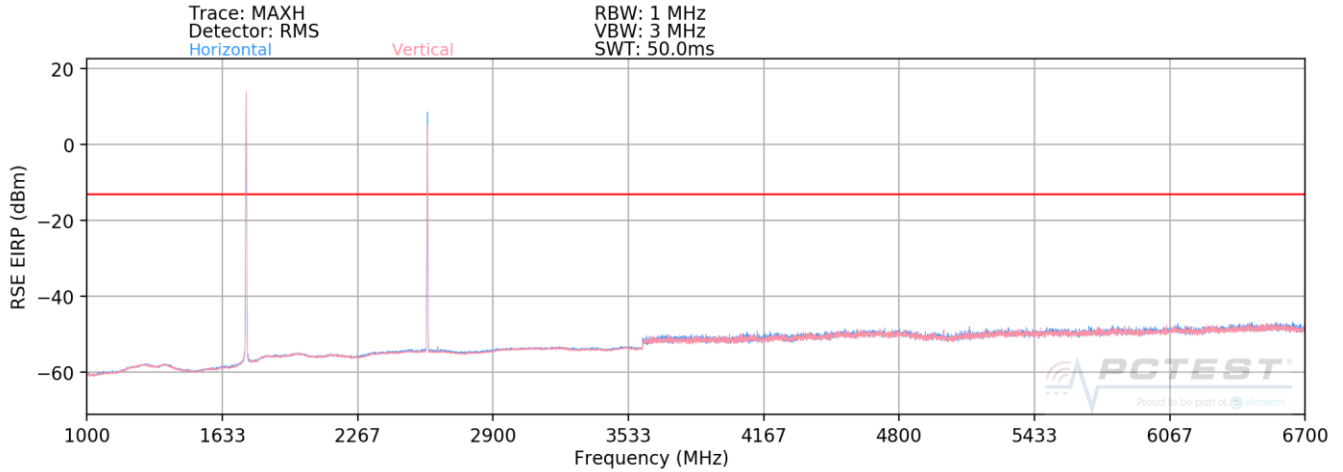
Bandwidth (MHz):	100 & 20
Frequency (MHz):	2593 & 680.5
RB / Offset:	1/136 & 1/53
Mode:	InterBand ULCA

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]
4505.5	H	-	-	-78.37	13.57	42.20	-53.06	-13.00	-40.06
6418.0	H	-	-	-79.48	16.16	43.68	-51.58	-13.00	-38.58
8330.5	H	-	-	-80.99	9.12	35.13	-60.13	-13.00	-47.13

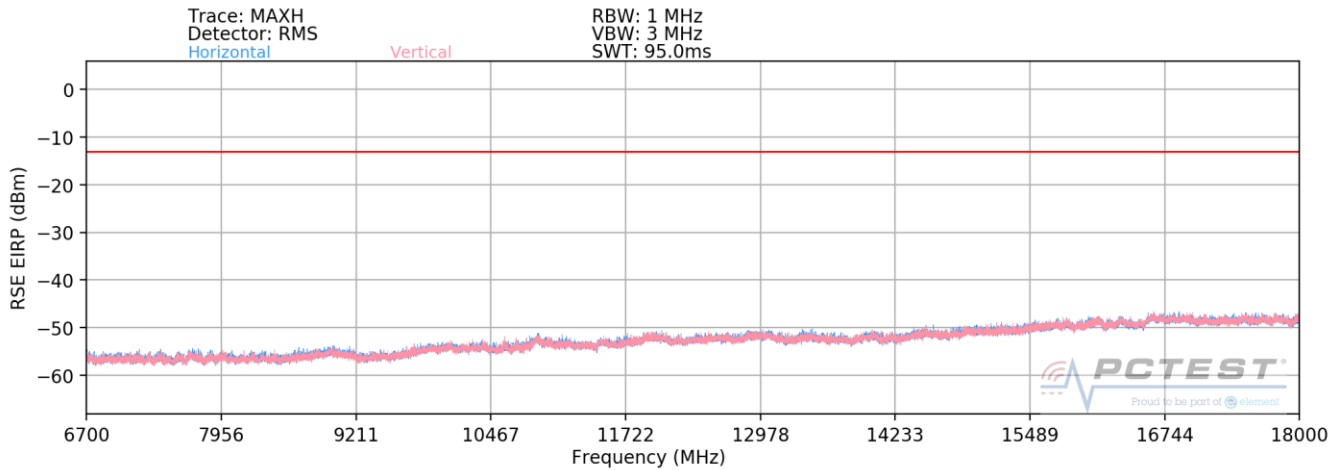
Table 7-49. Radiated Spurious Data (NR Band n41 - n71)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 - 11/10/2021	EUT Type: Portable Handset	Page 218 of 242

NR FR1 ULCA: NR n41 - n66



Plot 7-327. Radiated Spurious Plot (NR Band n41 – n66)





Plot 7-328. Radiated Spurious Plot (NR Band n41 – n66)

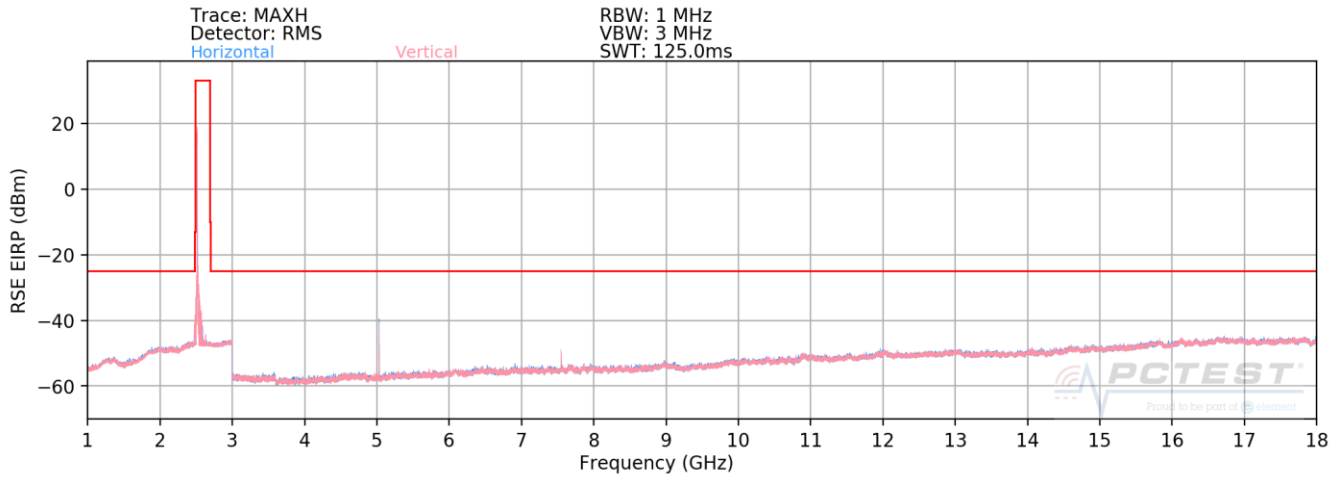
Bandwidth (MHz):	100 & 40
Frequency (MHz):	2593 & 1745
RB / Offset:	1/136 & 1/108
Mode:	InterBand ULCA

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]
3441.0	H	-	-	-77.50	11.26	40.76	-54.50	-13.00	-41.50
4289.0	H	-	-	-78.30	12.72	41.42	-53.83	-13.00	-40.83
5137.0	H	-	-	-79.21	14.24	42.03	-53.23	-13.00	-40.23

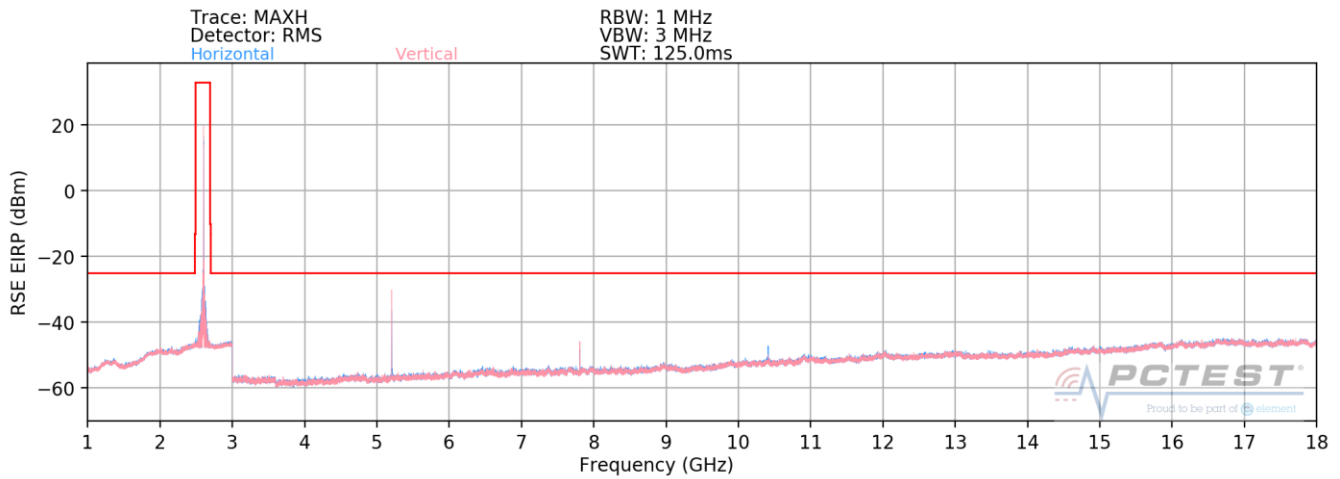
Table 7-50. Radiated Spurious Data (NR Band n41 – n66)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 219 of 242

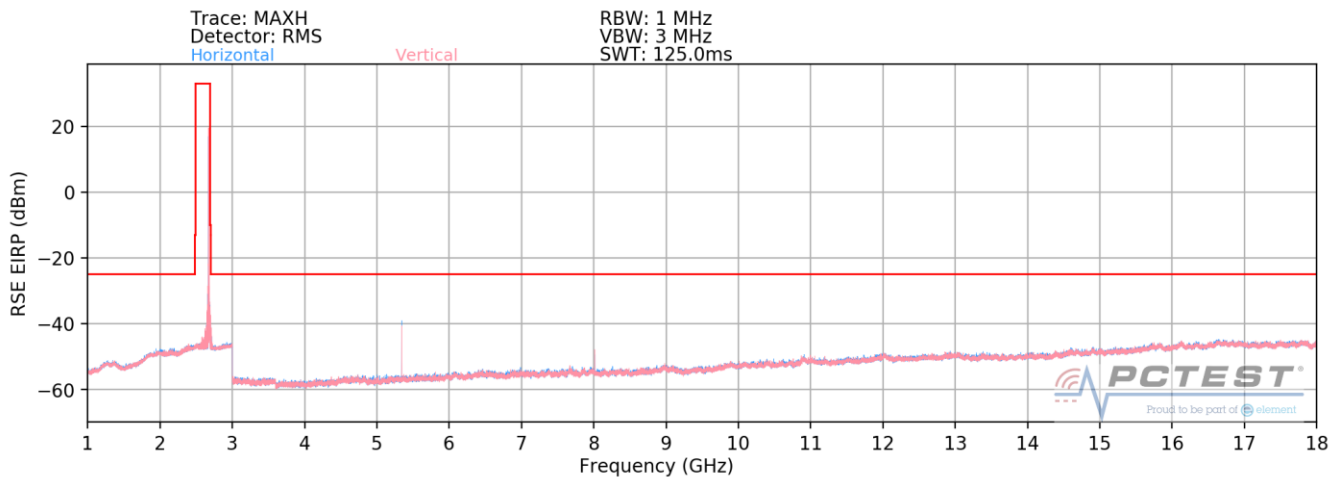
ULCA - LTE B41(PC2)



Plot 7-329. Radiated Spurious Plot (ULCA LTE B41(PC2) – Low Channel)



Plot 7-330. Radiated Spurious Plot (ULCA LTE B41(PC2) – Mid Channel)



Plot 7-331. Radiated Spurious Plot (ULCA LTE B41(PC2) – High Channel)

FCC ID: A3LSMS901U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset		Page 220 of 242

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
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz



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	114	40	-56.53	6.04	56.51	-38.75	-25.00	-13.75
7518.00	V	114	278	-71.93	8.49	43.56	-51.70	-25.00	-26.70
10024.00	V	300	329	-76.98	10.73	40.75	-54.51	-25.00	-29.51
12530.00	V	334	324	-78.84	14.42	42.58	-52.68	-25.00	-27.68
15036.00	V	-	-	-82.71	16.10	40.39	-54.86	-25.00	-29.86
17542.00	V	-	-	-71.83	17.72	52.89	-42.37	-25.00	-17.37

Table 7-51. Radiated Spurious Data (ULCA LTE B41(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
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	351	338	-47.84	6.59	65.75	-29.51	-25.00	-4.51
7779.00	V	112	228	-67.45	8.47	48.02	-47.24	-25.00	-22.24
10372.00	V	297	319	-74.96	12.05	44.09	-51.17	-25.00	-26.17
12965.00	V	241	317	-76.42	14.61	45.19	-50.06	-25.00	-25.06
15558.00	V	-	-	-82.77	16.42	40.65	-54.61	-25.00	-29.61



Table 7-52. Radiated Spurious Data (ULCA LTE B41(PC2) – Mid Channel)

FCC ID: A3LSMS901U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 221 of 242	

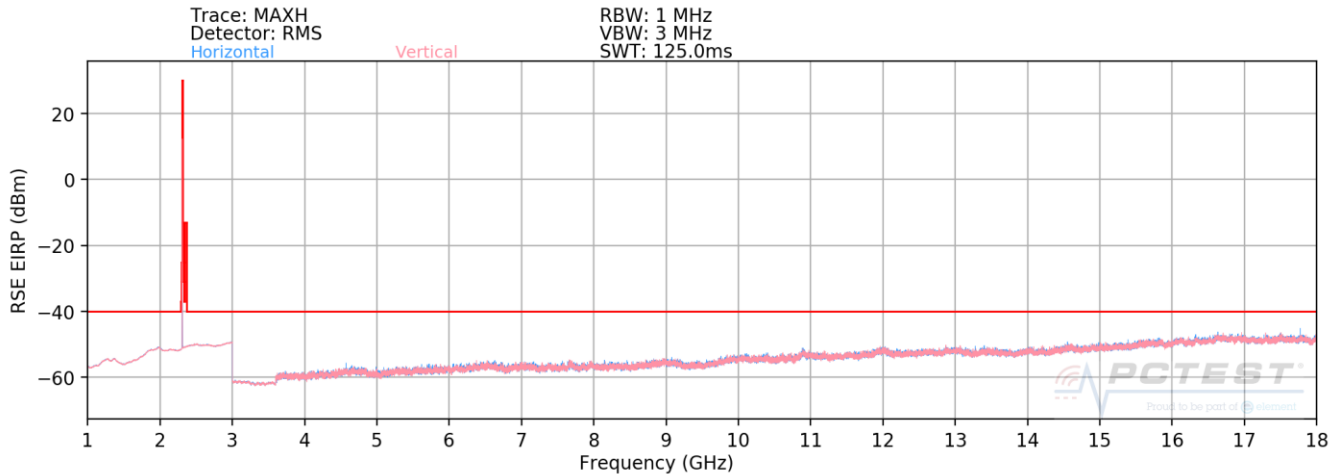
PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	2680.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	2660.2
SCC RB / Offset:	1 / 99
Detector / Trace Mode:	RMS / Average
RBW / VBW:	1MHz / 3MHz

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	122	348	-53.42	6.40	59.98	-35.27	-25.00	-10.27
8040.00	V	113	243	-68.71	8.56	46.85	-48.41	-25.00	-23.41
10720.00	V	284	309	-73.13	12.73	46.60	-48.66	-25.00	-23.66
13400.00	V	272	6	-78.38	14.40	43.02	-52.24	-25.00	-27.24
16080.00	V	-	-	-82.68	17.75	42.07	-53.18	-25.00	-28.18

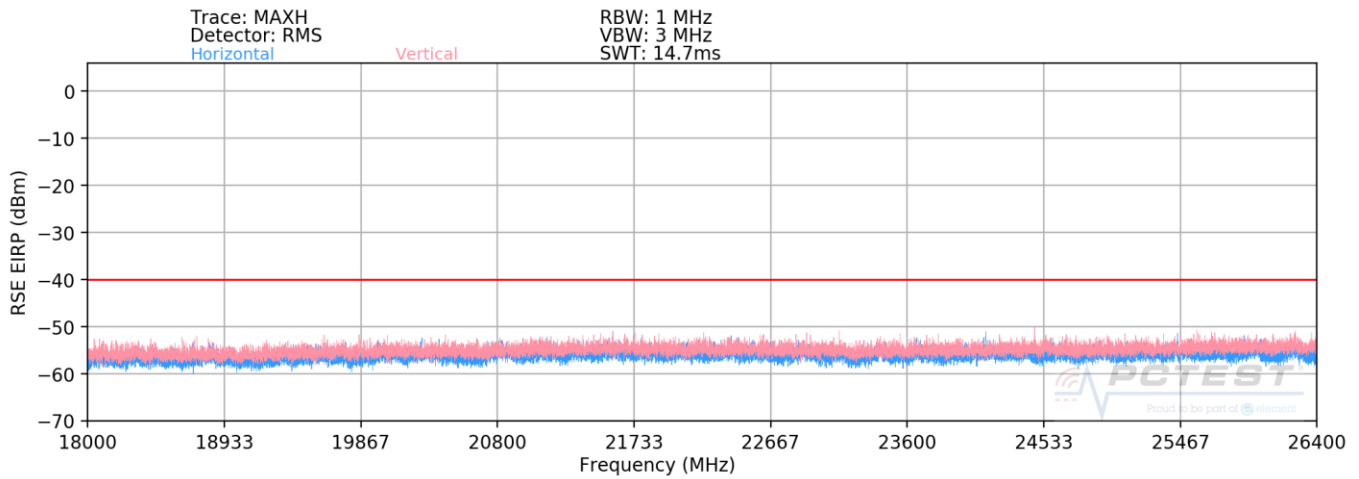
Table 7-53. Radiated Spurious Data (ULCA LTE B41(PC2) – High Channel)

FCC ID: A3LSMS901U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset		Page 222 of 242

NR Band n30 – Ant A



Plot 7-332. Radiated Spurious Plot – 1-18 GHz (NR Band n30 – Ant A)





Plot 7-333. Radiated Spurious Plot – 18-26.4 GHz (NR Band n30 – Ant A)

Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
Mode:	Stand Alone
Anchor Band:	-

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	-	-	-78.76	5.64	33.88	-61.38	-40.00	-21.38
6930.00	H	-	-	-79.92	8.21	35.29	-59.96	-40.00	-19.96
9240.00	H	-	-	-80.56	9.33	35.77	-59.49	-40.00	-19.49



Table 7-54. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant A)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 223 of 242

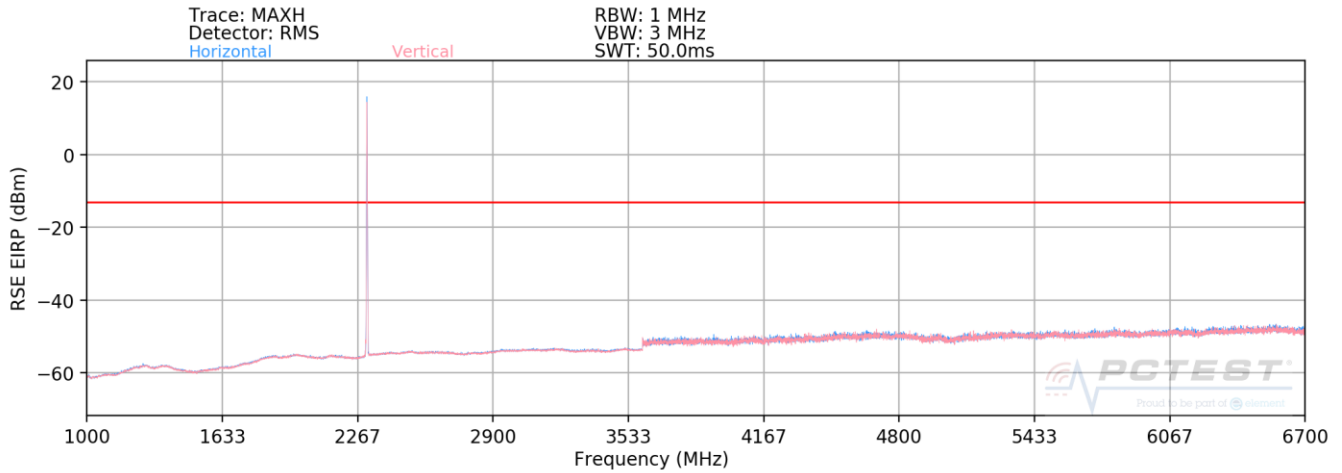
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
Mode:	Stand Alone
Anchor Band:	-

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	-	-	-78.78	5.64	33.86	-61.40	-40.00	-21.40
6930.00	H	-	-	-79.98	8.21	35.23	-60.02	-40.00	-20.02
9240.00	H	-	-	-80.50	9.33	35.83	-59.43	-40.00	-19.43

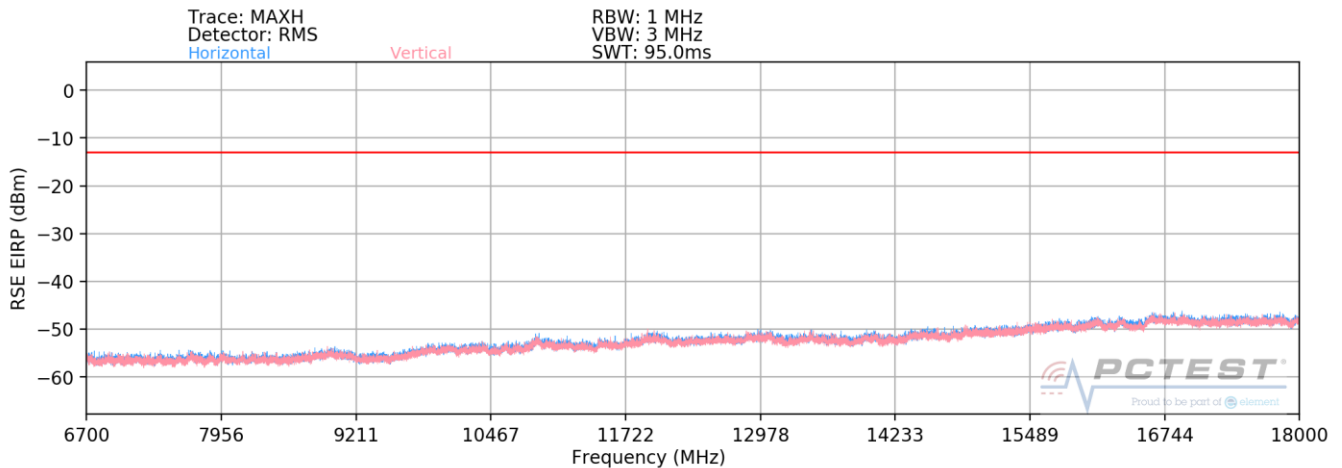
Table 7-55. Radiated Spurious Data with WCP (NR Band n30 – Ant A)

FCC ID: A3LSMS901U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset		Page 224 of 242

NR Band n30 (Ant A) – Band 5



Plot 7-334. Radiated Spurious Plot (NR Band n30 (ANT A) – Anchor Band 5)





Plot 7-335. Radiated Spurious Plot (NR Band n30 (ANT A) – Anchor Band 5)

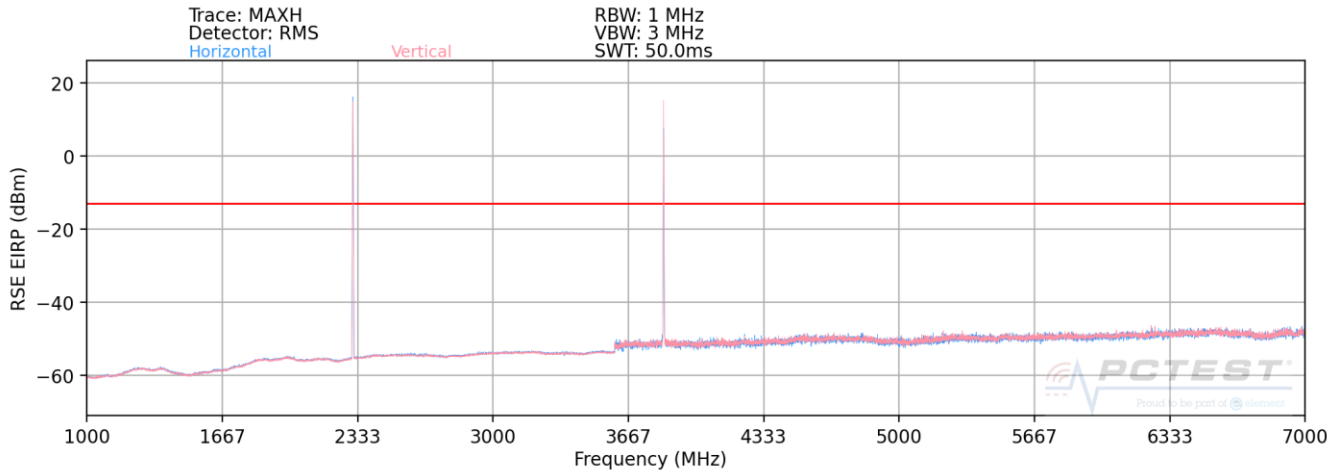
Bandwidth (MHz):	10 & 20
Frequency (MHz):	2310 & 836.5
RB / Offset:	1/26 & 1/50
Mode:	EN-DC
Anchor Band:	5

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]
3783.50	H	-	-	-78.89	12.43	40.54	-54.72	-13.00	-41.72
5257.00	H	-	-	-79.46	14.67	42.21	-53.05	-13.00	-40.05
6730.00	H	-	-	-78.65	7.89	36.24	-59.02	-13.00	-46.02

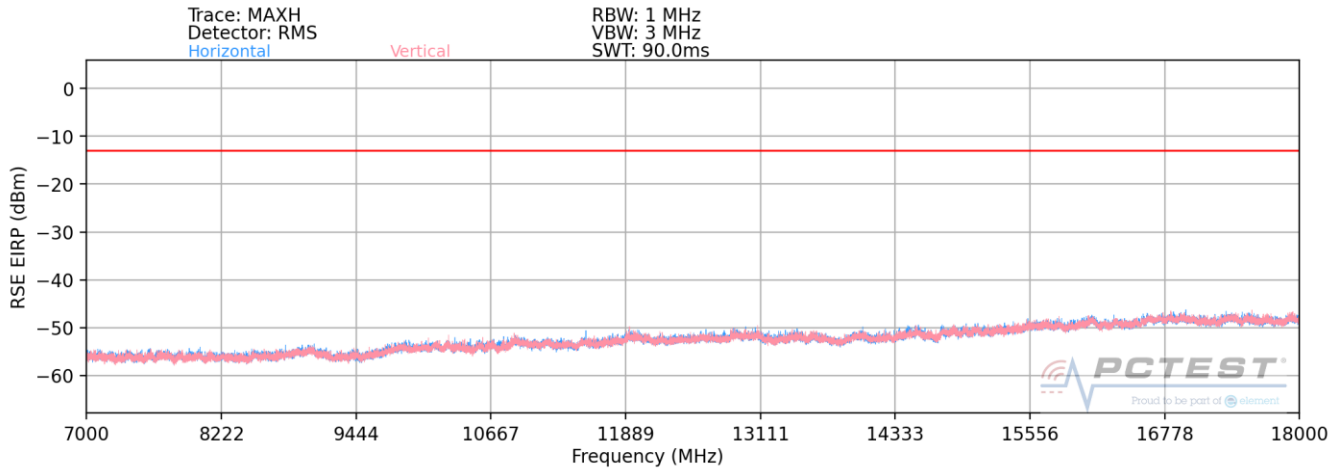
Table 7-56. Radiated Spurious Data (NR Band n30 (ANT A) – Anchor Band 5)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 225 of 242

NR FR1 ULCA: NR n30 - n77



Plot 7-336. Radiated Spurious Plot (NR Band n30 – n77)





Plot 7-337. Radiated Spurious Plot (NR Band n30 – n77)

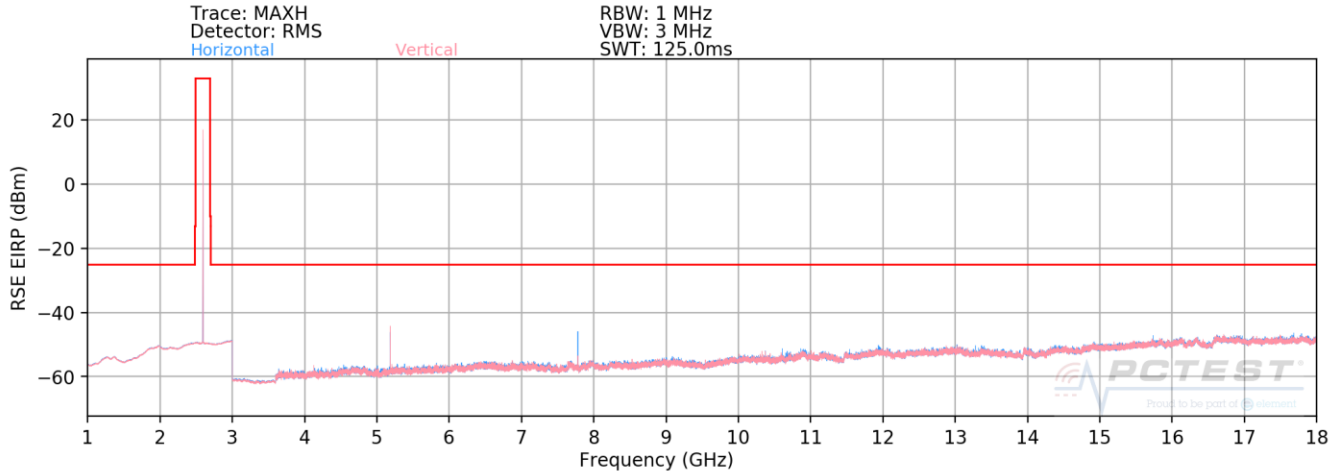
Case:	n30-n77
Bandwidth (MHz):	10 & 100
Frequency (MHz):	2310 & 3840
RB / Offset:	1 / 26 & 1 / 137
Mode:	InterBand ULCA

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]
2280.0	H	-	-	-77.37	9.22	38.85	-56.41	-13.00	-43.41
3810.0	H	-	-	-77.83	12.35	41.52	-53.74	-13.00	-40.74
5370.0	H	-	-	-79.28	14.90	42.62	-52.64	-13.00	-39.64

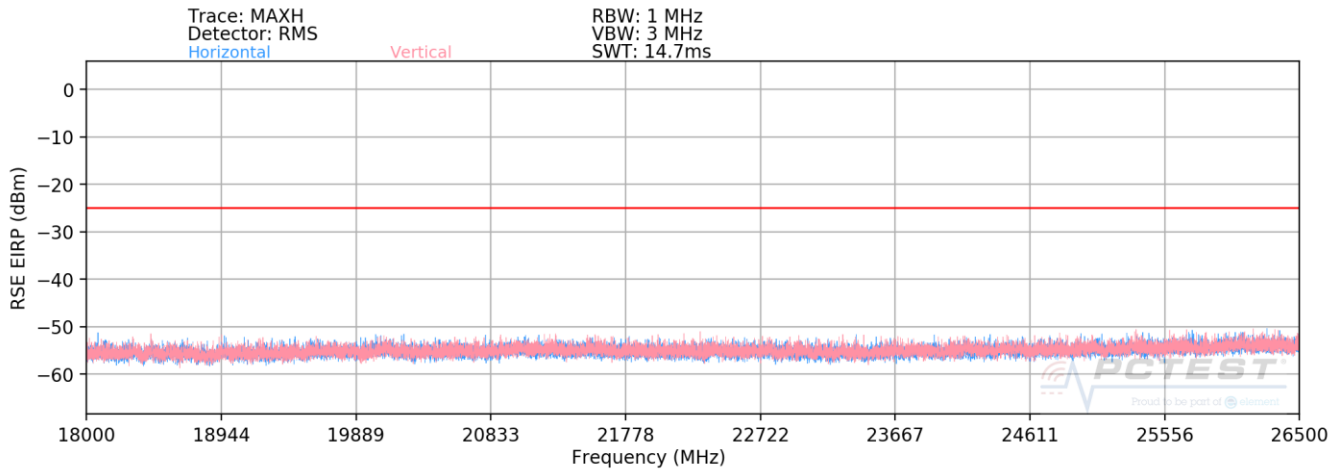
Table 7-57. Radiated Spurious Data (NR Band n30 – n77)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 226 of 242

NR Band n41 – SRS-2 – Ant B



Plot 7-338. Radiated Spurious Plot – 1-18GHz (NR Band n41 – Ant B)





Plot 7-339. Radiated Spurious Plot – 18-26.5 GHz (NR Band n41 – Ant B)

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

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	337	341	-55.03	6.06	58.03	-37.23	-25.00	-12.23
7638.00	H	259	60	-64.59	9.04	51.45	-43.81	-25.00	-18.81
10184.00	H	176	81	-73.20	11.83	45.63	-49.63	-25.00	-24.63
12730.00	H	-	-	-80.01	14.34	41.33	-53.93	-25.00	-28.93
15276.00	H	-	-	-80.11	16.17	43.06	-52.20	-25.00	-27.20
17822.00	H	-	-	-80.93	19.21	45.28	-49.98	-25.00	-24.98

Table 7-58. Radiated Spurious Data (NR Band n41 – Low Channel – Ant B)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 227 of 242

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

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	330	54	-55.66	6.59	57.93	-37.33	-25.00	-12.33
7779.00	H	116	63	-65.31	8.47	50.16	-45.10	-25.00	-20.10
10372.00	H	272	69	-69.84	12.05	49.21	-46.05	-25.00	-21.05
12965.00	H	-	-	-79.21	14.61	42.40	-52.85	-25.00	-27.85
15558.00	H	-	-	-80.00	16.42	43.42	-51.84	-25.00	-26.84
18151.00	H	-	-	-55.62	3.21	54.58	-50.22	-25.00	-25.22

Table 7-59. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant B)

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




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	312	342	-68.90	6.30	44.40	-50.85	-25.00	-25.85
7920.00	H	238	77	-69.34	8.68	46.34	-48.92	-25.00	-23.92
10560.00	H	194	11	-74.31	12.32	45.01	-50.25	-25.00	-25.25
13200.00	H	237	335	-73.38	14.23	47.85	-47.41	-25.00	-22.41
15840.00	H	-	-	-80.91	18.36	44.45	-50.81	-25.00	-25.81
18480.00	H	-	-	-58.46	3.10	51.64	-53.16	-25.00	-28.16
21120.00	H	-	-	-59.35	4.78	52.43	-52.37	-25.00	-27.37

Table 7-60. Radiated Spurious Data (NR Band n41 – High Channel – Ant B)

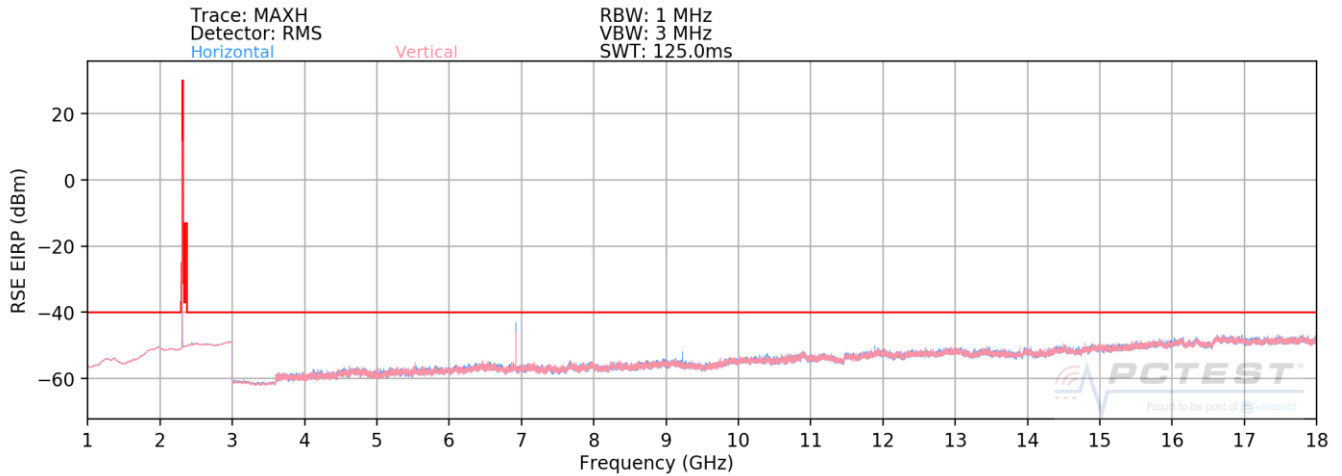
Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1/136
Mode:	SA
Anchor Band:	-

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	279	250	-59.75	6.06	53.31	-41.95	-25.00	-16.95
7638.00	H	391	34	-65.62	9.04	50.42	-44.84	-25.00	-19.84
10184.00	H	213	330	-78.23	11.83	40.60	-54.66	-25.00	-29.66
12730.00	H	-	-	-78.88	14.34	42.46	-52.80	-25.00	-27.80
15276.00	H	-	-	-80.61	16.17	42.56	-52.70	-25.00	-27.70
17822.00	H	-	-	-80.79	19.21	45.42	-49.84	-25.00	-24.84

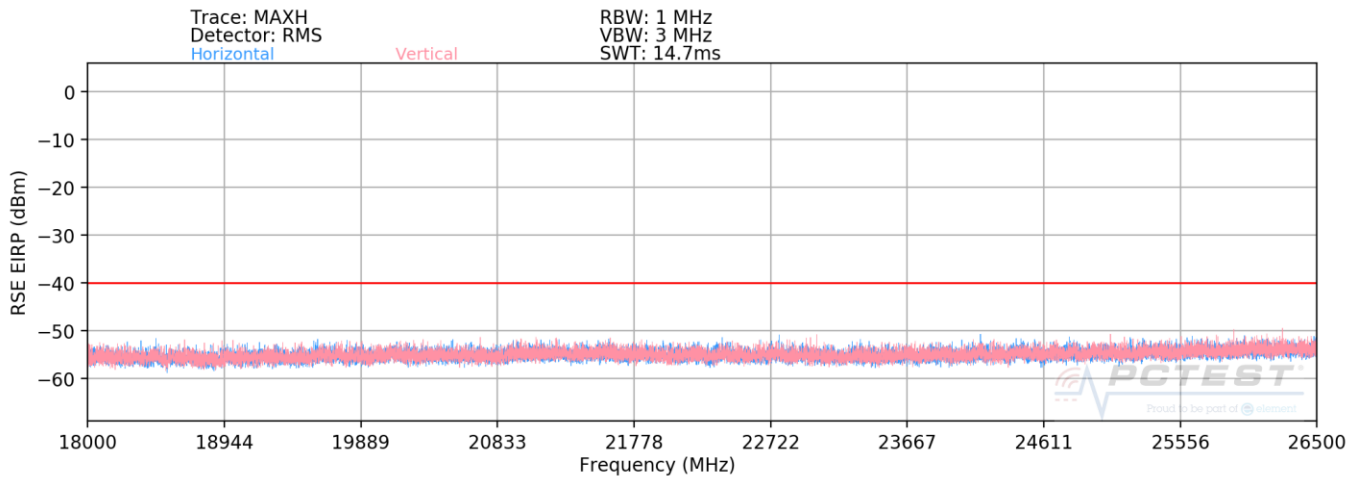
Table 7-61. Radiated Spurious Data with WCP (NR Band n41 – Ant B)

FCC ID: A3LSMS901U	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 228 of 242	

NR Band n30 – Ant F



Plot 7-340. Radiated Spurious Plot – 1-18 GHz (NR Band n30 – Ant F)





Plot 7-341. Radiated Spurious Plot – 18-26.5 GHz (NR Band n30 – Ant F)

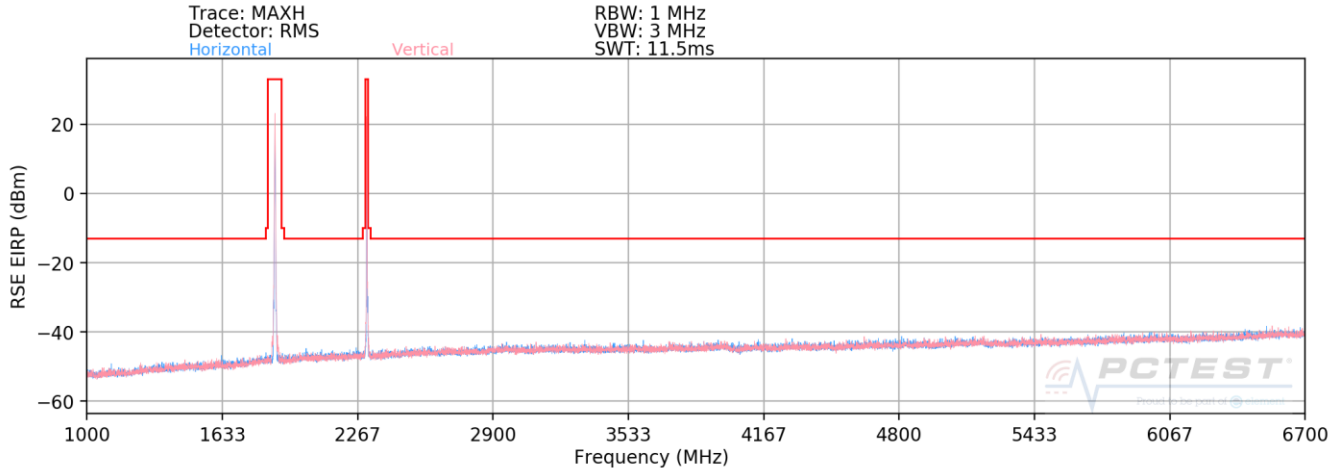
Bandwidth (MHz):	10
Frequency (MHz):	2310.0
RB / Offset:	1 / 26
Mode:	Stand Alone

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]
4620.00	H	177	346	-73.95	5.64	38.69	-56.57	-40.00	-16.57
6930.00	H	138	26	-63.80	8.21	51.41	-43.84	-40.00	-3.84
9240.00	H	154	354	-75.36	9.33	40.97	-54.29	-40.00	-14.29
11550.00	H	-	-	-81.74	13.56	38.82	-56.44	-40.00	-16.44
13860.00	H	-	-	-82.68	14.92	39.24	-56.01	-40.00	-16.01
16170.00	H	-	-	-83.09	17.98	41.89	-53.36	-40.00	-13.36

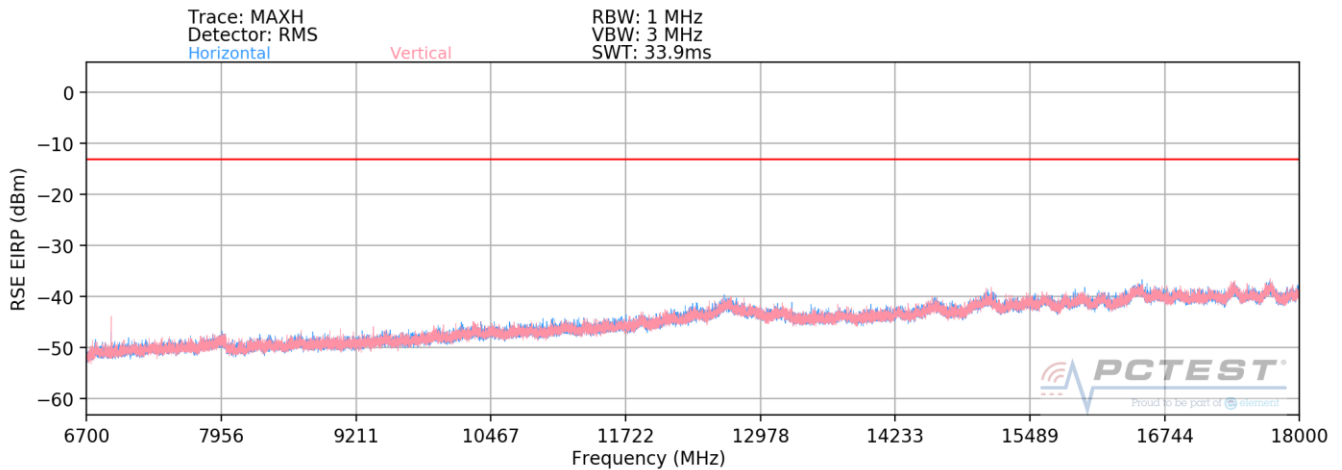
Table 7-62. Radiated Spurious Data (NR Band n30 – Mid Channel – Ant F)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 229 of 242

NR Band n30 (Ant F) – Band 2



Plot 7-342. Radiated Spurious Plot (NR Band n30 (ANT F) – Anchor Band 2)





Plot 7-343. Radiated Spurious Plot (NR Band n30 (ANT F) – Anchor Band 2)

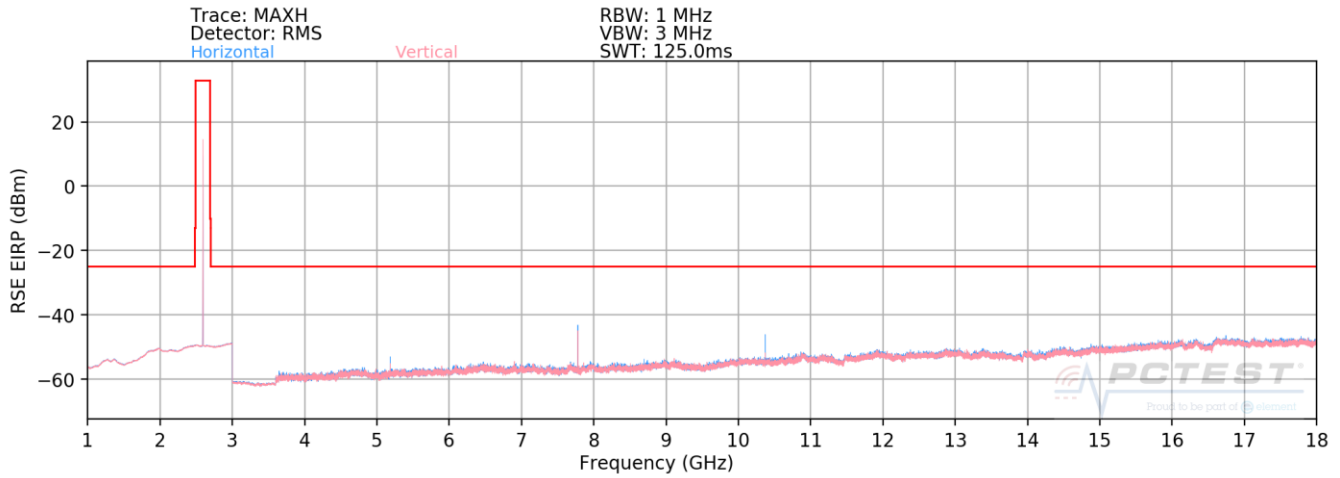
Bandwidth (MHz):	10 & 20
Frequency (MHz):	2310 & 1880
RB / Offset:	1/26 & 1/50
Mode:	EN-DC
Anchor Band:	2

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]
6930.0	V	271	356	-74.38	11.48	44.10	-51.16	-13.00	-38.16
7040.0	V	-	-	-79.48	11.26	38.78	-56.48	-13.00	-43.48
7470.0	V	-	-	-80.03	12.89	39.86	-55.40	-13.00	-42.40
7900.0	V	-	-	-81.07	14.22	40.15	-55.11	-13.00	-42.11

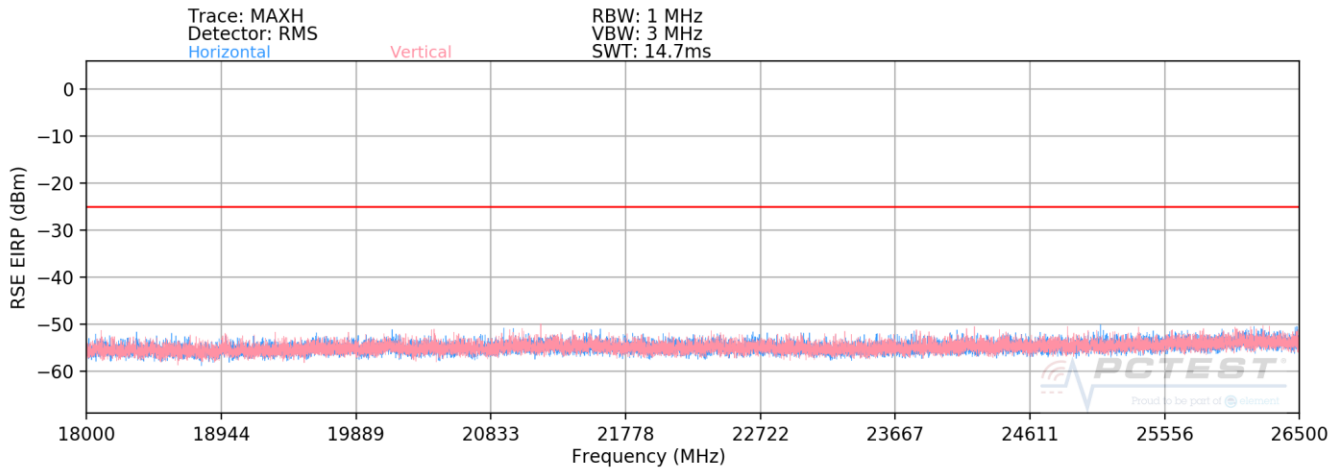
Table 7-63. Radiated Spurious Data (NR Band n41 (ANT F) – Anchor Band 2)

FCC ID: A3LSMS901U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – SRS-3 - Ant E



Plot 7-344. Radiated Spurious Plot – 1-18GHz (NR Band n41 – Ant E)



Plot 7-345. Radiated Spurious Plot – 18-26GHz (NR Band n41 – Ant E)

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

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	188	305	-69.20	6.06	43.86	-51.40	-25.00	-26.40
7638.00	H	170	22	-56.44	9.04	59.60	-35.66	-25.00	-10.66
10184.00	H	139	48	-74.26	11.83	44.57	-50.69	-25.00	-25.69
12730.00	H	-	-	-79.88	14.34	41.46	-53.80	-25.00	-28.80
15276.00	H	-	-	-80.13	16.17	43.04	-52.22	-25.00	-27.22
17822.00	H	-	-	-80.52	19.21	45.69	-49.57	-25.00	-24.57

Table 7-64. Radiated Spurious Data (NR Band n41 – Low Channel – Ant E)

FCC ID: A3LSMS901U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset		Page 231 of 242

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

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	165	356	-69.85	6.59	43.74	-51.52	-25.00	-26.52
7779.00	H	158	41	-58.65	8.47	56.82	-38.44	-25.00	-13.44
10372.00	H	113	339	-68.98	12.05	50.07	-45.19	-25.00	-20.19
12965.00	H	-	-	-79.86	14.61	41.75	-53.50	-25.00	-28.50
15558.00	H	-	-	-80.36	16.42	43.06	-52.20	-25.00	-27.20

Table 7-65. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant E)

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



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	172	225	-66.75	6.30	46.55	-48.70	-25.00	-23.70
7920.00	H	152	40	-58.84	8.68	56.84	-38.42	-25.00	-13.42
10560.00	H	150	357	-70.52	12.32	48.80	-46.46	-25.00	-21.46
13200.00	H	-	-	-78.21	14.23	43.02	-52.24	-25.00	-27.24
15840.00	H	-	-	-81.41	18.36	43.95	-51.31	-25.00	-26.31

Table 7-66. Radiated Spurious Data (NR Band n41 – High Channel – Ant E)

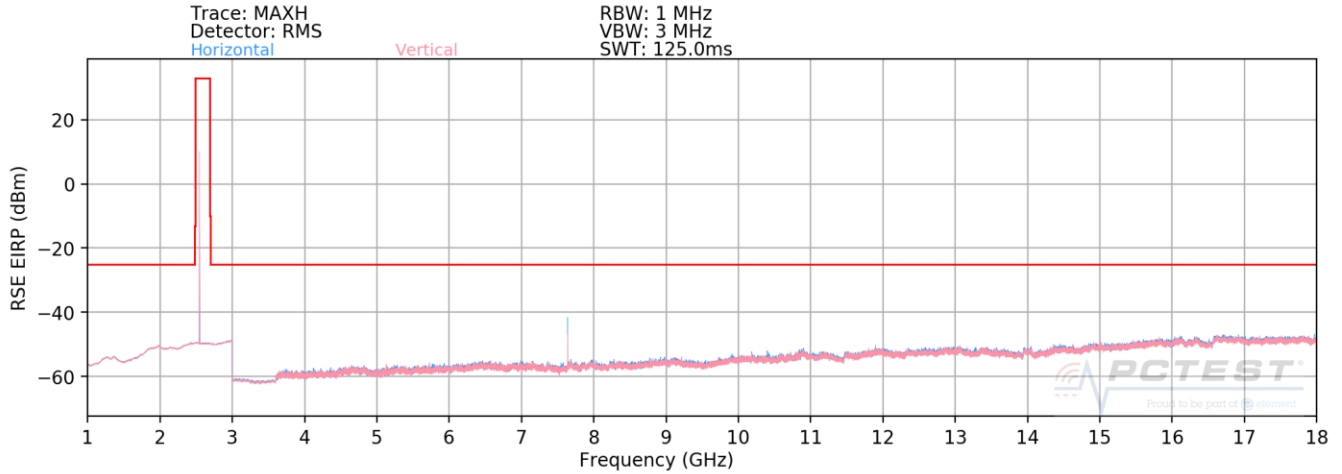
Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1/136
Mode:	SA
Anchor Band:	-

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	158	338	-69.80	6.06	43.26	-52.00	-25.00	-27.00
7638.00	H	159	338	-58.50	9.04	57.54	-37.72	-25.00	-12.72
10184.00	H	-	-	-79.06	11.83	39.77	-55.49	-25.00	-30.49
12730.00	H	-	-	-80.14	14.34	41.20	-54.06	-25.00	-29.06
15276.00	H	-	-	-80.16	16.17	43.01	-52.25	-25.00	-27.25

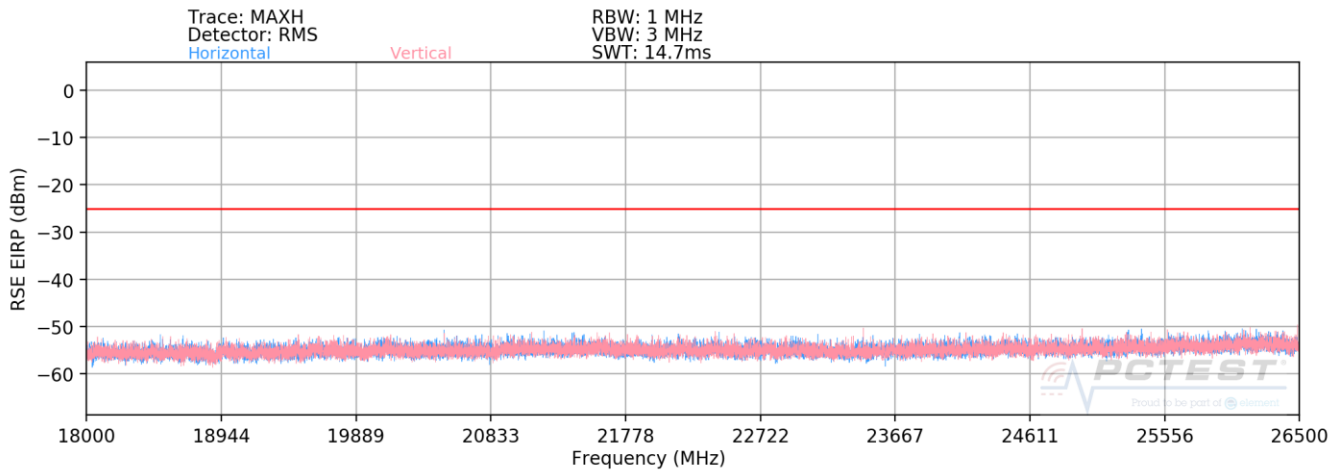
Table 7-67. Radiated Spurious Data with WCP (NR Band n41 – Ant E)

FCC ID: A3LSMS901U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n41 – SRS- 4 - Ant D



Plot 7-346. Radiated Spurious Plot 1-18 GHz (NR Band n41 – Ant D)





Plot 7-347. Radiated Spurious Plot 18-26 GHz (NR Band n41 – Ant D)

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

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	257	38	-73.21	6.06	39.85	-55.41	-25.00	-30.41
7638.00	H	127	23	-54.58	9.04	61.46	-33.80	-25.00	-8.80
10184.00	H	147	350	-72.66	11.83	46.17	-49.09	-25.00	-24.09
12730.00	H	-	-	-78.22	14.34	43.12	-52.14	-25.00	-27.14
15276.00	H	-	-	-80.36	16.17	42.81	-52.45	-25.00	-27.45
17822.00	H	-	-	-80.70	19.21	45.51	-49.75	-25.00	-24.75

Table 7-68. Radiated Spurious Data (NR Band n41 – Low Channel – Ant D)

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 233 of 242

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

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	364	43	-73.71	6.59	39.88	-55.38	-25.00	-30.38
7779.00	H	151	44	-59.77	8.47	55.70	-39.56	-25.00	-14.56
10372.00	H	135	355	-70.57	12.05	48.48	-46.78	-25.00	-21.78
12965.00	H	-	-	-78.68	14.61	42.93	-52.32	-25.00	-27.32
15558.00	H	-	-	-80.13	16.42	43.29	-51.97	-25.00	-26.97
18151.00	H	-	-	-57.46	3.21	52.74	-52.06	-25.00	-27.06

Table 7-69. Radiated Spurious Data (NR Band n41 – Mid Channel – Ant D)

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



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	157	38	-73.35	6.30	39.95	-55.30	-25.00	-30.30
7920.00	H	146	38	-58.36	8.68	57.32	-37.94	-25.00	-12.94
10560.00	H	124	353	-70.83	12.32	48.49	-46.77	-25.00	-21.77
13200.00	H	372	39	-73.68	14.23	47.55	-47.71	-25.00	-22.71
15840.00	H	-	-	-81.12	18.36	44.24	-51.02	-25.00	-26.02
18480.00	H	-	-	-58.42	3.10	51.67	-53.13	-25.00	-28.13
21120.00	H	-	-	-58.76	4.78	53.02	-51.78	-25.00	-26.78

Table 7-70. Radiated Spurious Data (NR Band n41 – High Channel – Ant D)

Bandwidth (MHz):	100
Frequency (MHz):	2546.0
RB / Offset:	1/136
Mode:	SA
Anchor Band:	-

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	235	29	-74.74	6.06	38.32	-56.94	-25.00	-31.94
7638.00	H	116	368	-60.86	9.04	55.18	-40.08	-25.00	-15.08
10184.00	H	234	337	-76.67	11.83	42.16	-53.10	-25.00	-28.10
12730.00	H	-	-	-80.32	14.34	41.02	-54.24	-25.00	-29.24
15276.00	H	-	-	-80.31	16.17	42.86	-52.40	-25.00	-27.40
17822.00	H	-	-	-80.88	19.21	45.33	-49.93	-25.00	-24.93

Table 7-71. Radiated Spurious Data with WCP (NR Band n41 – Ant D)

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7.9 Frequency Stability / Temperature Variation

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI/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.

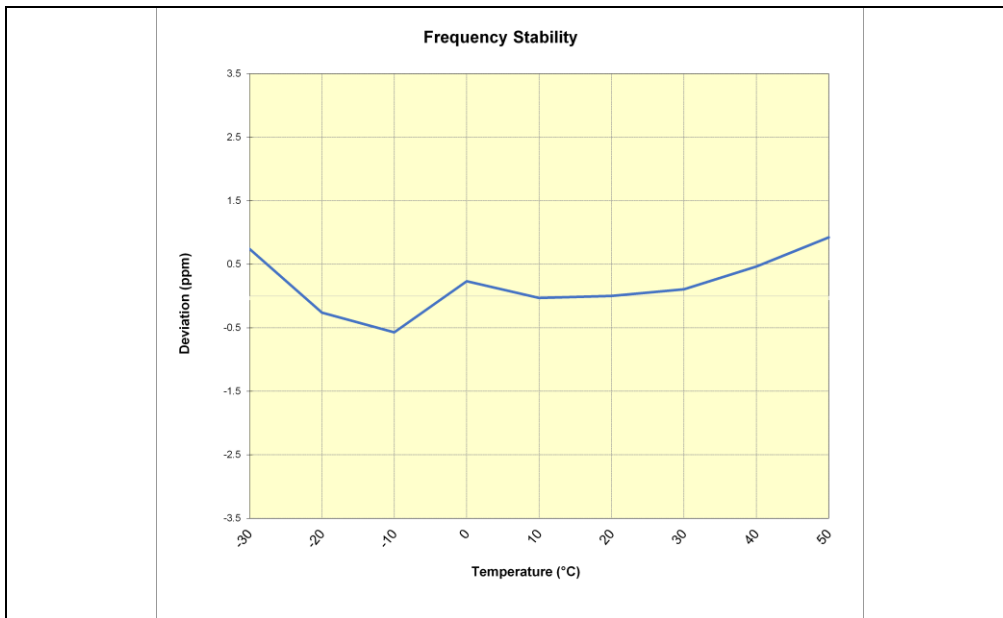
Test Notes

None

FCC ID: A3LSMS901U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 30					
		Operating Frequency (Hz):		2,310,000,000	
		Ref. Voltage (VDC):		4.39	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,309,996,658	1,712	0.0000741
		- 20	2,309,994,341	-605	-0.0000262
		- 10	2,309,993,625	-1,321	-0.0000572
		0	2,309,995,481	535	0.0000232
		+ 10	2,309,994,875	-71	-0.0000031
		+ 20 (Ref)	2,309,994,946	0	0.0000000
		+ 30	2,309,995,191	245	0.0000106
		+ 40	2,309,996,019	1,073	0.0000465
		+ 50	2,309,997,079	2,133	0.0000923
Battery Endpoint	3.40	+ 20	2,309,994,826	-120	-0.0000052

Table 7-72. LTE Band 30 Frequency Stability Data

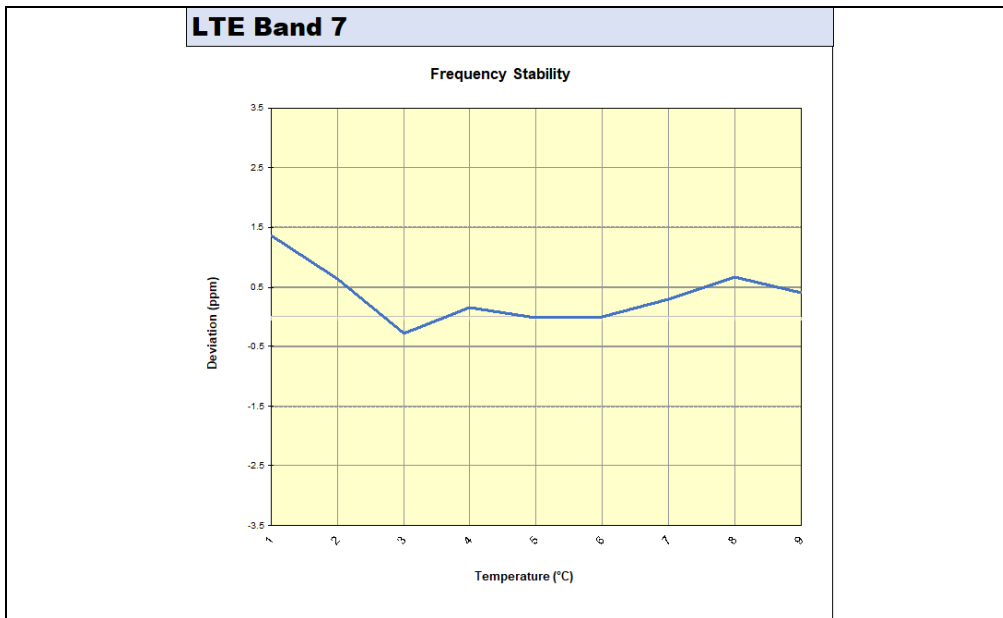


Plot 7-348. LTE Band 30 Frequency Stability Chart

FCC ID: A3LSMS901U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 7					
Operating Frequency (Hz):		2,535,000,000			
Ref. Voltage (VDC):		4.39			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,534,997,433	3,470	0.0001369
		- 20	2,534,995,566	1,603	0.0000632
		- 10	2,534,993,246	-717	-0.0000283
		0	2,534,994,370	407	0.0000161
		+ 10	2,534,993,915	-48	-0.0000019
		+ 20 (Ref)	2,534,993,963	0	0.0000000
		+ 30	2,534,994,724	761	0.0000300
		+ 40	2,534,995,659	1,696	0.0000669
Battery Endpoint	3.40	+ 20	2,534,993,803	-160	-0.0000063

Table 7-73. LTE Band 7 Frequency Stability Data

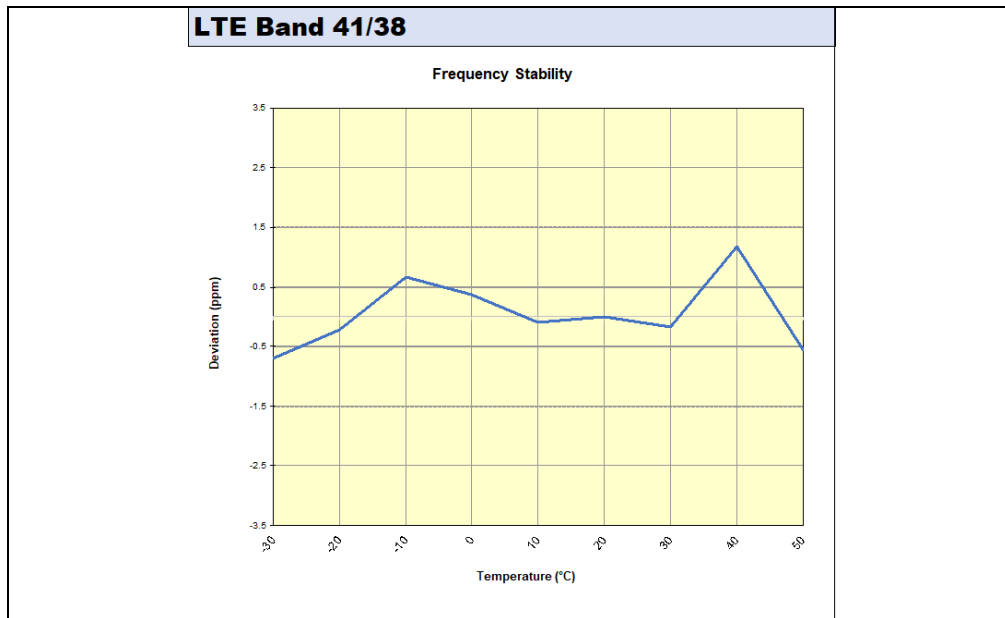


Plot 7-349. LTE Band 7 Frequency Stability Chart

FCC ID: A3LSMS901U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 41/38					
Operating Frequency (Hz):		2,593,000,000			
Ref. Voltage (VDC):		4.39			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,592,997,745	-1,817	-0.0000701
		- 20	2,592,999,018	-544	-0.0000210
		- 10	2,593,001,284	1,722	0.0000664
		0	2,593,000,518	956	0.0000369
		+ 10	2,592,999,319	-243	-0.0000094
		+ 20 (Ref)	2,592,999,562	0	0.0000000
		+ 30	2,592,999,101	-461	-0.0000178
		+ 40	2,593,002,619	3,057	0.0001179
Battery Endpoint	3.40	+ 20	2,592,998,991	-571	-0.0000220

Table 7-74. LTE Band 41 Frequency Stability Data

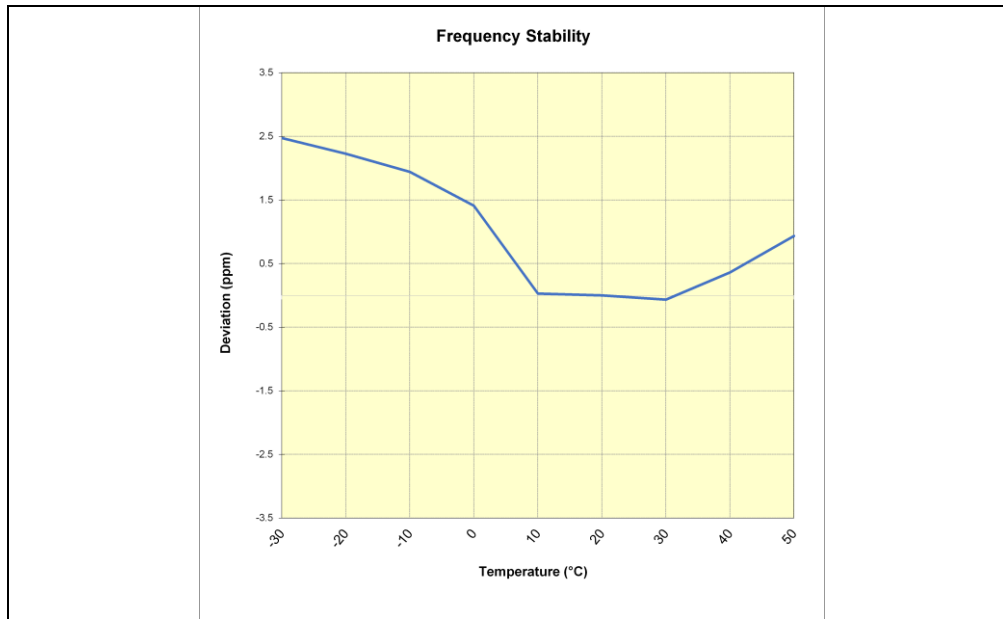


Plot 7-350. LTE Band 41 Frequency Stability Chart

FCC ID: A3LSMS901U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n30					
Operating Frequency (Hz):		2,310,000,000			
Ref. Voltage (VDC):		4.39			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,310,091,819	5,713	0.0002473
		- 20	2,310,091,250	5,144	0.0002227
		- 10	2,310,090,591	4,485	0.0001941
		0	2,310,089,362	3,256	0.0001409
		+ 10	2,310,086,167	61	0.0000026
		+ 20 (Ref)	2,310,086,106	0	0.0000000
		+ 30	2,310,085,950	-156	-0.0000068
		+ 40	2,310,086,940	834	0.0000361
Battery Endpoi	3.40	+ 20	2,310,086,356	250	0.0000108

Table 7-75. NR Band n30 Frequency Stability Data

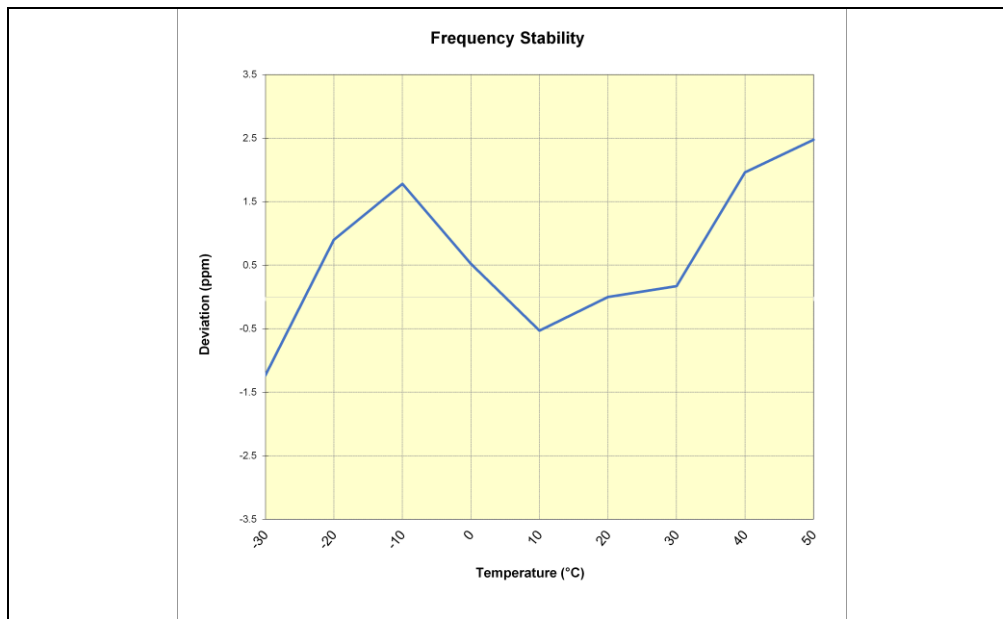


Plot 7-351. NR Band n30 Frequency Stability Chart




FCC ID: A3LSMS901U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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NR Band n7					
Operating Frequency (Hz):		2,535,000,000			
Ref. Voltage (VDC):		4.39			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,535,122,173	-3,130	-0.0001235
		- 20	2,535,127,580	2,277	0.0000898
		- 10	2,535,129,815	4,512	0.0001780
		0	2,535,126,629	1,326	0.0000523
		+ 10	2,535,123,962	-1,341	-0.0000529
		+ 20 (Ref)	2,535,125,303	0	0.0000000
		+ 30	2,535,125,738	435	0.0000172
		+ 40	2,535,130,275	4,972	0.0001961
Battery Endpoint	3.40	+ 20	2,535,125,878	575	0.0000227

Table 7-76. NR Band n7 Frequency Stability Data

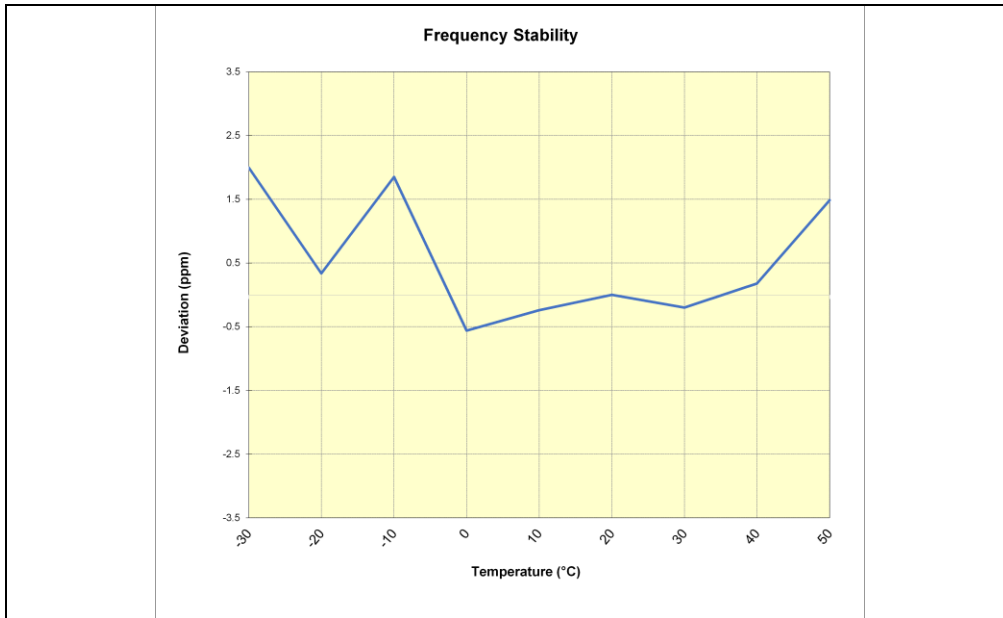


Plot 7-352. NR Band n7 Frequency Stability Chart

FCC ID: A3LSMS901U	 PCTEST Proud to be part of 	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset		Page 240 of 242

NR Band n41					
Operating Frequency (Hz):		2,593,000,000			
Ref. Voltage (VDC):		4.39			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.39	- 30	2,593,136,054	5,174	0.0001995
		- 20	2,593,131,753	873	0.0000337
		- 10	2,593,135,681	4,801	0.0001851
		0	2,593,129,423	-1,457	-0.0000562
		+ 10	2,593,130,255	-625	-0.0000241
		+ 20 (Ref)	2,593,130,880	0	0.0000000
		+ 30	2,593,130,362	-518	-0.0000200
		+ 40	2,593,131,343	463	0.0000179
Battery Endpoint	3.40	+ 20	2,593,130,332	-548	-0.0000211

Table 7-77. NR Band n41 Frequency Stability Data





Plot 7-353. NR Band n41 Frequency Stability Chart

FCC ID: A3LSMS901U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the Samsung **Portable Handset** **FCC ID: A3LSMS901U** complies with all the requirements of Part 27 of the FCC rules.

FCC ID: A3LSMS901U	 PART 27 MEASUREMENT REPORT 		Approved by: Technical Manager
Test Report S/N: 1M2109080099-05-R3.A3L	Test Dates: 09/08/2021 – 11/10/2021	EUT Type: Portable Handset	Page 242 of 242