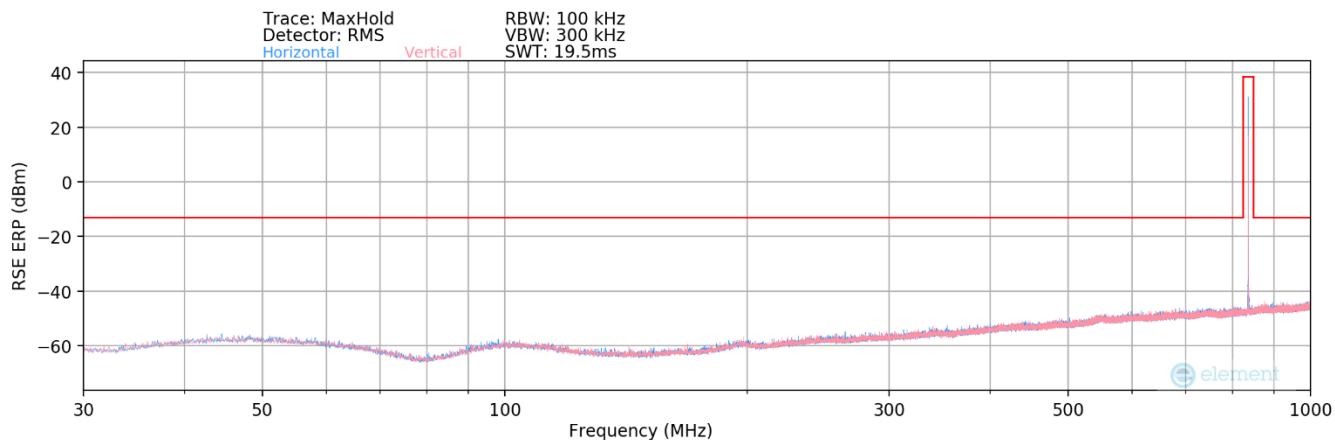


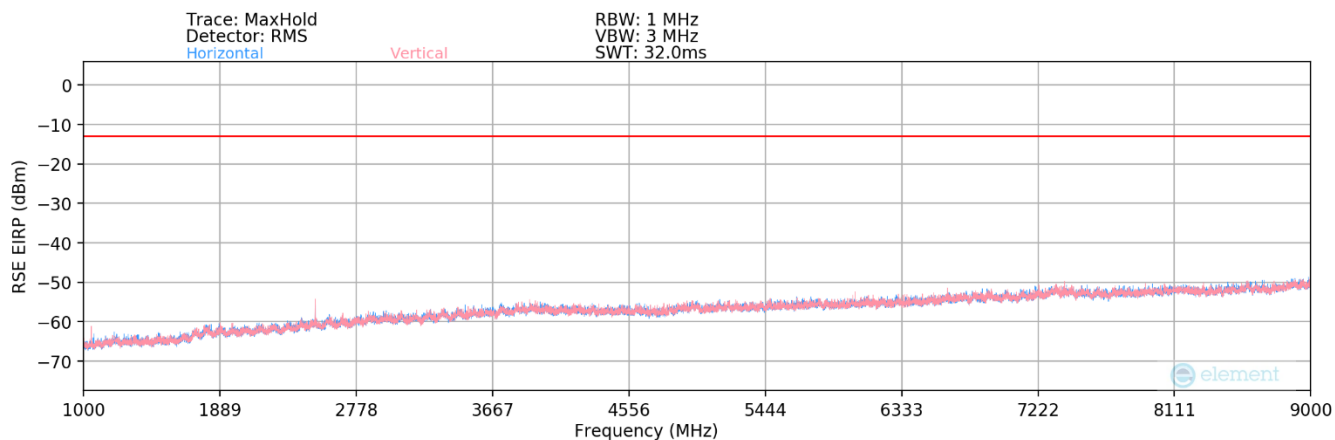
GSM/GPRS Cell – Ant1



Plot 7-191. Radiated Spurious Plot (GPRS Cell – Ant1)

Mode:	GPRS 1 Tx Slot								
Channel:	190								
Frequency (MHz):	836.6								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
545.75	H	-	-	-77.95	25.56	54.61	-42.79	-13.00	-29.79
964.59	H	-	-	-80.63	30.99	57.36	-40.05	-13.00	-27.05

Table 7-30. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant1)



Plot 7-192. Radiated Spurious Plot (GPRS Cell – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:		GPRS 1 Tx Slot							
Channel:		128							
Frequency (MHz):		824.2							
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]
1648.40	H	106	240	-70.78	-7.66	28.56	-66.70	-13.00	-53.70
2472.60	H	107	225	-67.40	-3.98	35.62	-59.63	-13.00	-46.63
3296.80	H	-	-	-74.43	-0.98	31.59	-63.66	-13.00	-50.66
4121.00	H	-	-	-73.70	1.09	34.39	-60.87	-13.00	-47.87
4945.20	H	-	-	-74.64	1.94	34.30	-60.96	-13.00	-47.96
5769.40	H	-	-	-75.40	3.99	35.59	-59.67	-13.00	-46.67

Table 7-31. Radiated Spurious Data (GPRS Cell – Low Channel – Ant1)

Mode:		GPRS 1 Tx Slot							
Channel:		190							
Frequency (MHz):		836.6							
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]
1673.20	H	105	218	-70.16	-7.37	29.47	-65.78	-13.00	-52.78
2509.80	H	120	220	-60.11	-3.74	43.15	-52.10	-13.00	-39.10
3346.40	H	-	-	-73.43	-0.39	33.18	-62.07	-13.00	-49.07
4183.00	H	-	-	-74.40	1.11	33.71	-61.55	-13.00	-48.55
5019.60	H	-	-	-74.50	2.27	34.77	-60.49	-13.00	-47.49
5856.20	H	-	-	-75.00	3.50	35.50	-59.76	-13.00	-46.76

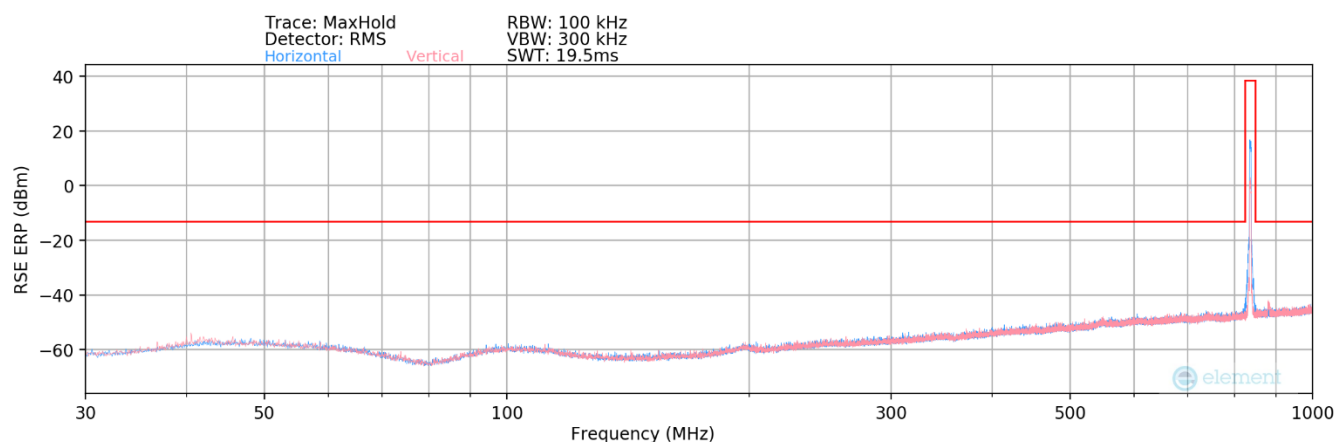
Table 7-32. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant1)

Mode:		GPRS 1 Tx Slot							
Channel:		251							
Frequency (MHz):		848.8							
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]
1697.60	H	100	218	-71.75	-7.10	28.15	-67.10	-13.00	-54.10
2546.40	H	107	211	-60.70	-3.17	43.13	-52.13	-13.00	-39.13
3395.20	H	-	-	-74.45	-0.34	32.21	-63.05	-13.00	-50.05
4244.00	H	-	-	-74.01	0.88	33.87	-61.38	-13.00	-48.38
5092.80	H	-	-	-74.32	2.85	35.53	-59.73	-13.00	-46.73
5941.60	H	-	-	-75.36	3.46	35.10	-60.16	-13.00	-47.16

Table 7-33. Radiated Spurious Data (GPRS Cell – High Channel – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 22 MEASUREMENT REPORT				Approved by: Technical Manager	
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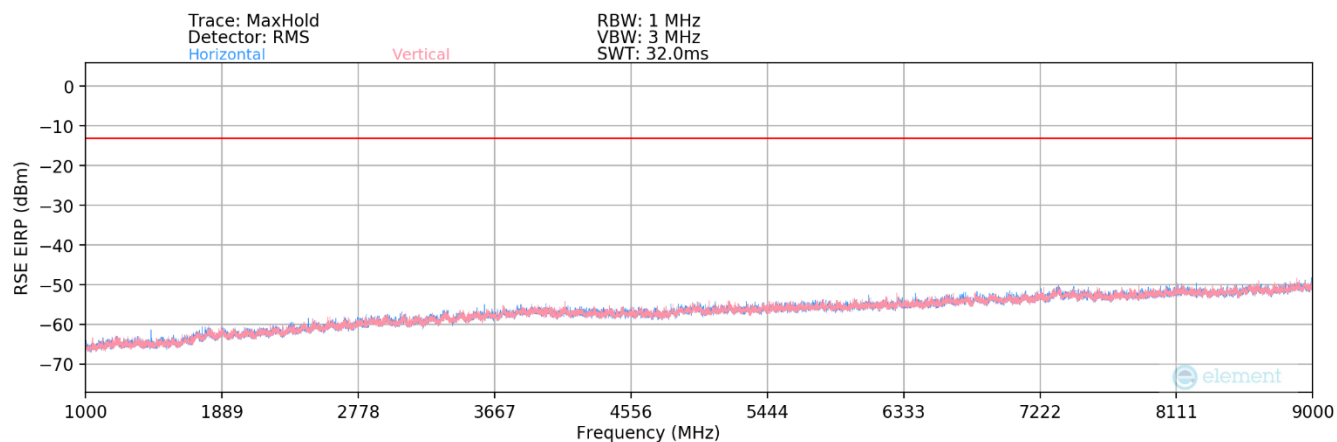
WCDMA Cell – Ant1



Plot 7-193. Radiated Spurious Plot (WCDMA Cell – Ant1)

Mode:		WCDMA RMC							
Channel:		4183							
Frequency (MHz):		836.6							
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
544.19	H	-	-	-77.64	25.51	54.87	-42.54	-13.00	-29.54
978.04	H	-	-	-80.98	31.28	57.30	-40.11	-13.00	-27.11

Table 7-34. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant1)



Plot 7-194. Radiated Spurious Plot (WCDMA Cell – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:		WCDMA RMC							
Channel:		4132							
Frequency (MHz):		826.4							
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]
1652.80	V	137	45	-73.42	-7.60	25.98	-69.27	-13.00	-56.27
2479.20	V	-	-	-74.82	-3.86	28.32	-66.94	-13.00	-53.94
3305.60	V	-	-	-75.42	-0.76	30.82	-64.43	-13.00	-51.43
4132.00	V	-	-	-75.89	1.31	32.42	-62.84	-13.00	-49.84
4958.40	V	-	-	-76.01	2.11	33.10	-62.16	-13.00	-49.16
5784.80	V	-	-	-76.89	3.92	34.03	-61.23	-13.00	-48.23
6611.20	V	-	-	-77.02	5.33	35.31	-59.94	-13.00	-46.94
7437.60	V	-	-	-77.23	7.26	37.03	-58.23	-13.00	-45.23

Table 7-35. Radiated Spurious Data (WCDMA Cell – Low Channel – Ant1)

Mode:		WCDMA RMC							
Channel:		4183							
Frequency (MHz):		836.6							
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]
1673.20	V	-	-	-76.70	-7.37	22.93	-72.32	-13.00	-59.32
2509.80	V	-	-	-74.32	-3.74	28.94	-66.31	-13.00	-53.31
3346.40	V	-	-	-75.02	-0.39	31.59	-63.66	-13.00	-50.66
4183.00	V	-	-	-75.89	1.11	32.22	-63.04	-13.00	-50.04
5019.60	V	-	-	-76.02	2.27	33.25	-62.01	-13.00	-49.01
5856.20	V	-	-	-76.66	3.50	33.84	-61.42	-13.00	-48.42
6692.80	V	-	-	-77.09	5.34	35.25	-60.01	-13.00	-47.01
7529.40	V	-	-	-77.21	6.61	36.40	-58.86	-13.00	-45.86

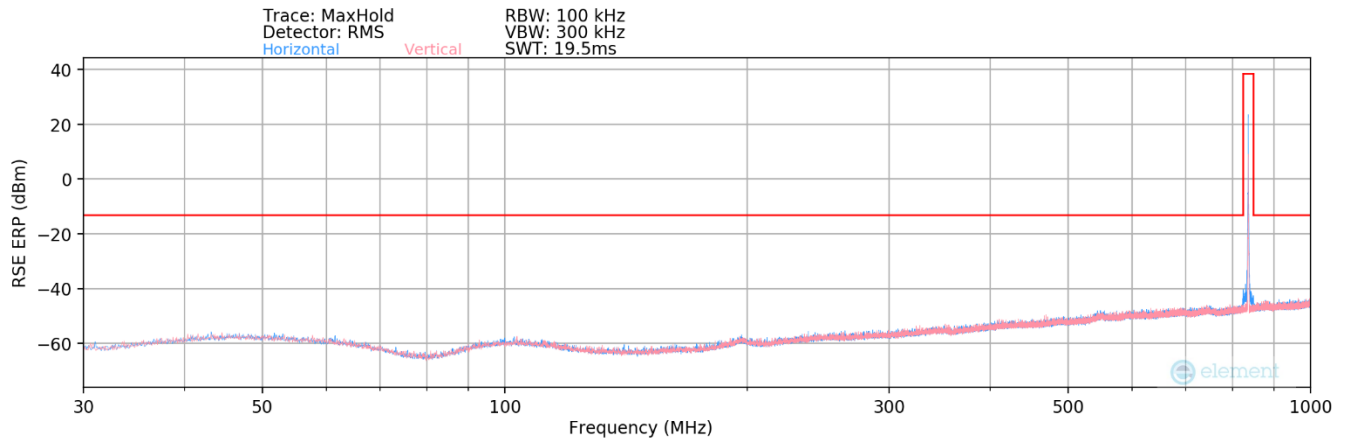
Table 7-36. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant1)

Mode:		WCDMA RMC							
Channel:		4233							
Frequency (MHz):		846.6							
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]
1693.20	V	141	31	-73.05	-7.18	26.77	-68.49	-13.00	-55.49
2539.80	V	-	-	-75.65	-3.10	28.25	-67.01	-13.00	-54.01
3386.40	V	-	-	-76.31	-0.29	30.40	-64.86	-13.00	-51.86
4233.00	V	-	-	-75.65	1.02	32.37	-62.88	-13.00	-49.88
5079.60	V	-	-	-75.78	2.23	33.45	-61.81	-13.00	-48.81
5926.20	V	-	-	-76.43	3.32	33.89	-61.37	-13.00	-48.37
6772.80	V	-	-	-77.12	4.89	34.77	-60.49	-13.00	-47.49
7619.40	V	-	-	-77.45	7.19	36.74	-58.52	-13.00	-45.52

Table 7-37. Radiated Spurious Data (WCDMA Cell – High Channel – Ant1)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 22 MEASUREMENT REPORT				Approved by: Technical Manager	
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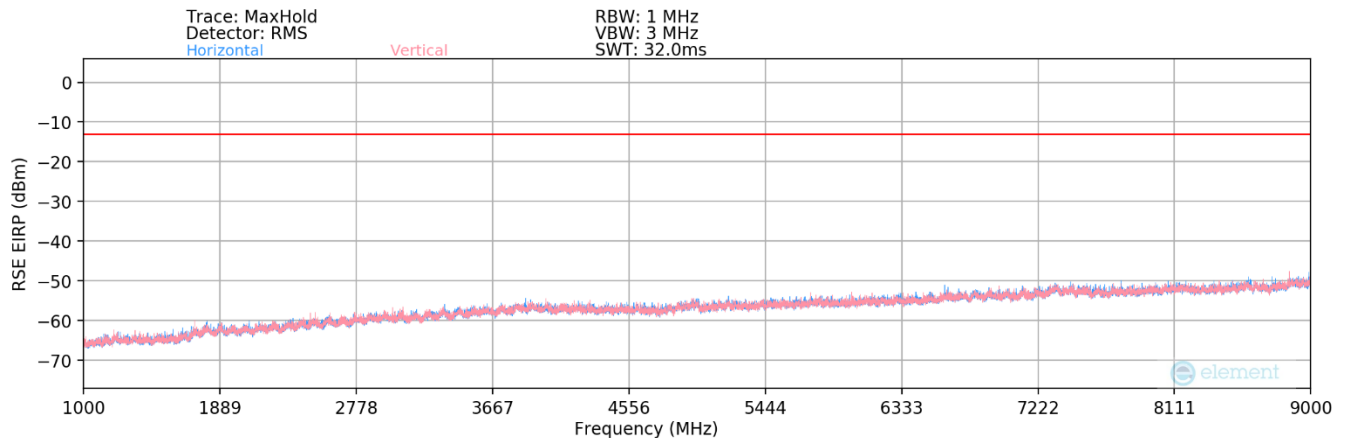
LTE Band 26/5 – Ant2



Plot 7-195. Radiated Spurious Plot (LTE Band 26/5 – Ant2)

Bandwidth (MHz):	15								
Frequency (MHz):	836.5								
RB / Offset:	1/37								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
547.19	H	-	-	-77.53	25.60	55.07	-42.34	-13.00	-29.34
983.17	H	-	-	-80.45	31.32	57.87	-39.54	-13.00	-26.54

Table 7-38. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant2)



Plot 7-196. Radiated Spurious Plot (LTE Band 26/5 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):	15								
Frequency (MHz):	831.5								
RB / Offset:	1 / 37								
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]
1663.00	H	118	314	-74.03	-7.47	25.50	-69.76	-13.00	-56.76
2494.50	H	130	303	-74.24	-3.83	28.93	-66.32	-13.00	-53.32
3326.00	H	-	-	-76.33	-0.50	30.17	-65.08	-13.00	-52.08
4157.50	H	-	-	-77.15	1.28	31.13	-64.13	-13.00	-51.13
4989.00	H	-	-	-77.27	2.30	32.03	-63.23	-13.00	-50.23

Table 7-39. Radiated Spurious Data (LTE Band 26/5 – Low Channel – Ant2)

Bandwidth (MHz):	15								
Frequency (MHz):	836.5								
RB / Offset:	1 / 37								
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]
1673.00	H	117	324	-73.03	-7.37	26.60	-68.66	-13.00	-55.66
2509.50	H	105	309	-72.70	-3.74	30.56	-64.70	-13.00	-51.70
3346.00	H	-	-	-75.94	-0.39	30.67	-64.59	-13.00	-51.59
4182.50	H	-	-	-77.08	1.11	31.03	-64.23	-13.00	-51.23
5019.00	H	-	-	-77.28	2.26	31.98	-63.28	-13.00	-50.28

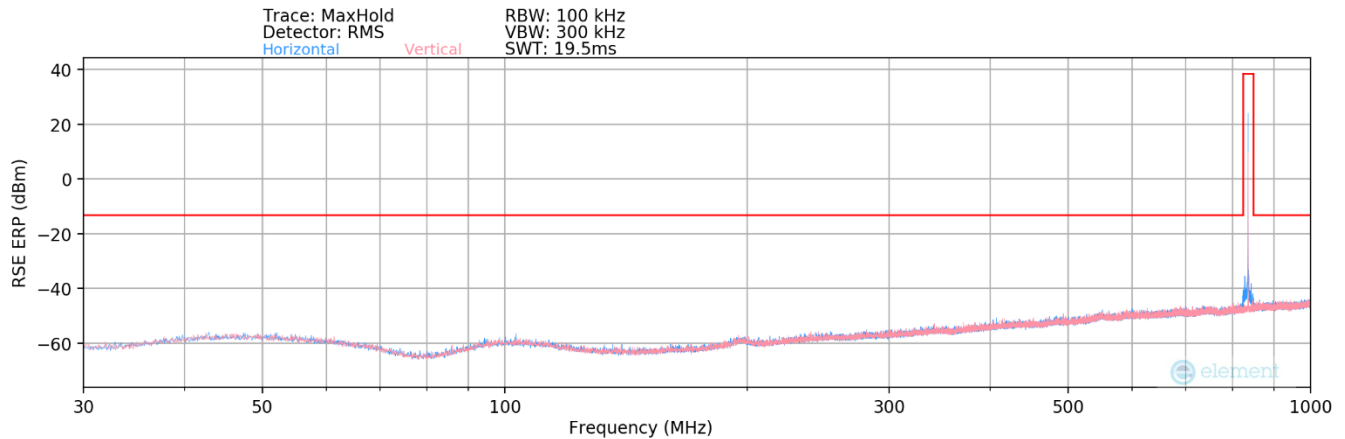
Table 7-40. Radiated Spurious Data (LTE Band 26/5 – Mid Channel – Ant2)

Bandwidth (MHz):	15								
Frequency (MHz):	841.5								
RB / Offset:	1 / 37								
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]
1683.00	H	145	311	-68.81	-7.28	30.91	-64.34	-13.00	-51.34
2524.50	H	-	-	-75.82	-3.43	27.75	-67.50	-13.00	-54.50
3366.00	H	-	-	-76.73	0.02	30.29	-64.97	-13.00	-51.97
4207.50	H	-	-	-77.08	1.05	30.97	-64.29	-13.00	-51.29
5049.00	H	-	-	-77.49	2.46	31.97	-63.29	-13.00	-50.29

Table 7-41. Radiated Spurious Data (LTE Band 26/5 – High Channel – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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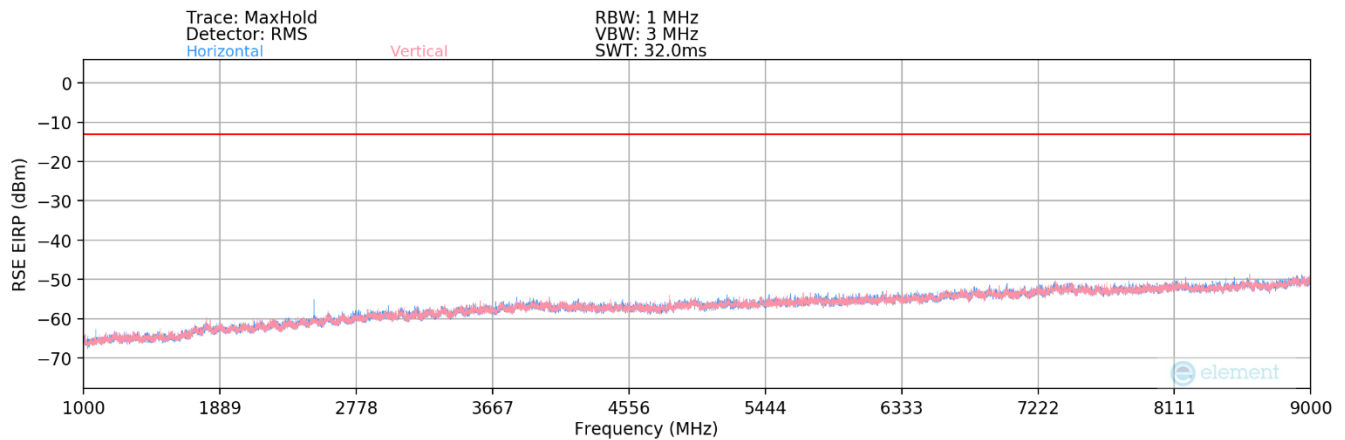
NR Band n5 – Ant2



Plot 7-197. Radiated Spurious Plot (NR Band n5 – Ant2)

Bandwidth (MHz):	20								
Frequency (MHz):	836.5								
RB / Offset:	1/50								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBµV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
543.19	H	-	-	-78.21	25.47	54.26	-43.15	-13.00	-30.15
890.97	H	-	-	-80.84	30.61	56.77	-40.63	-13.00	-27.63

Table 7-42. Radiated Spurious Data (NR Band n5 – Mid Channel – Ant2)



Plot 7-198. Radiated Spurious Plot (NR Band n5 – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Bandwidth (MHz):		20							
Frequency (MHz):		834							
RB / Offset:		1 / 53							
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]
1668.00	H	112	307	-74.30	-7.42	25.28	-69.98	-13.00	-56.98
2502.00	H	122	335	-70.78	-3.87	32.35	-62.91	-13.00	-49.91
3336.00	H	-	-	-75.26	-0.44	31.30	-63.96	-13.00	-50.96
4170.00	H	-	-	-76.48	1.13	31.65	-63.61	-13.00	-50.61
5004.00	H	-	-	-76.12	2.16	33.04	-62.22	-13.00	-49.22

Table 7-43. Radiated Spurious Data (NR Band n5 – Low Channel – Ant2)

Bandwidth (MHz):		20							
Frequency (MHz):		836.5							
RB / Offset:		1 / 53							
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]
1673.00	H	100	310	-73.41	-7.37	26.22	-69.04	-13.00	-56.04
2509.50	H	100	325	-72.45	-3.74	30.81	-64.45	-13.00	-51.45
3346.00	H	-	-	-75.37	-0.39	31.24	-64.02	-13.00	-51.02
4182.50	H	-	-	-76.30	1.11	31.81	-63.45	-13.00	-50.45
5019.00	H	-	-	-76.20	2.26	33.06	-62.20	-13.00	-49.20

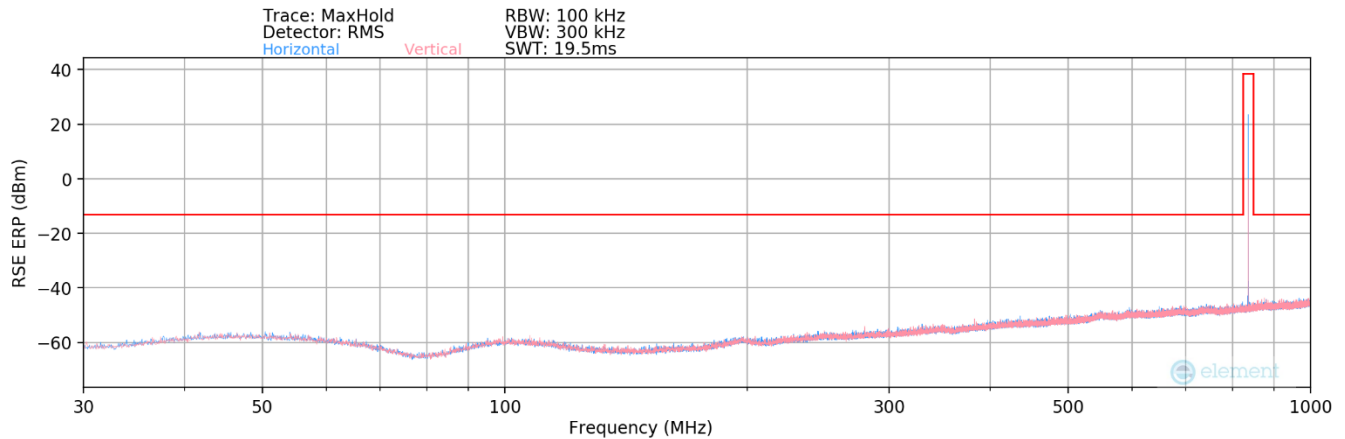
Table 7-44. Radiated Spurious Data (NR Band n5 – Mid Channel – Ant2)

Bandwidth (MHz):		20							
Frequency (MHz):		839							
RB / Offset:		1 / 53							
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]
1678.00	H	109	327	-72.79	-7.32	26.89	-68.37	-13.00	-55.37
2517.00	H	-	-	-74.72	-3.59	28.69	-66.57	-13.00	-53.57
3356.00	H	-	-	-75.33	-0.21	31.46	-63.80	-13.00	-50.80
4195.00	H	-	-	-75.98	1.23	32.25	-63.01	-13.00	-50.01
5034.00	H	-	-	-76.22	2.45	33.23	-62.03	-13.00	-49.03

Table 7-45. Radiated Spurious Data (NR Band n5 – High Channel – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 22 MEASUREMENT REPORT				Approved by: Technical Manager	
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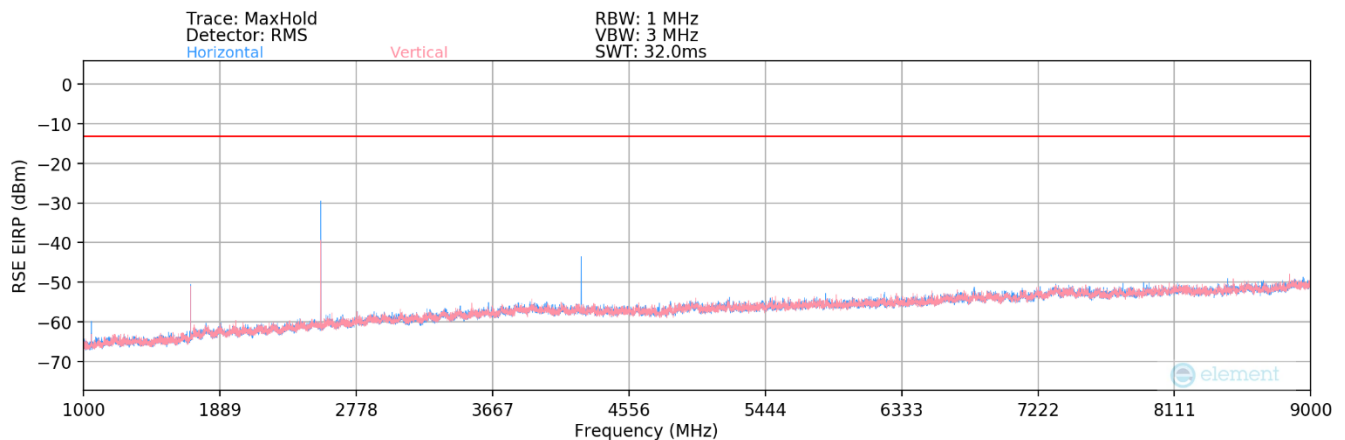
GSM/GPRS Cell – Ant2



Plot 7-199. Radiated Spurious Plot (GPRS Cell – Ant2)

Mode:	GPRS 1 Tx Slot								
Channel:	190								
Frequency (MHz):	836.6								
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
455.57	H	-	-	-81.21	23.82	49.61	-47.80	-13.00	-34.80
551.40	H	-	-	-79.18	25.67	53.49	-43.92	-13.00	-30.92

Table 7-46. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant2)



Plot 7-200. Radiated Spurious Plot (GPRS Cell – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:		GPRS 1 Tx Slot							
Channel:		128							
Frequency (MHz):		824.2							
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]
1648.40	H	166	326	-52.23	-7.66	47.11	-48.15	-13.00	-35.15
2472.60	H	155	318	-47.32	-3.98	55.70	-39.55	-13.00	-26.55
3296.80	H	-	-	-72.70	-0.98	33.32	-61.93	-13.00	-48.93
4121.00	H	150	332	-60.64	1.09	47.45	-47.81	-13.00	-34.81
4945.20	H	-	-	-72.92	1.94	36.02	-59.24	-13.00	-46.24
5769.40	H	152	326	-72.79	3.99	38.20	-57.06	-13.00	-44.06
6593.60	H	-	-	-74.84	5.54	37.70	-57.56	-13.00	-44.56
7417.80	H	-	-	-74.17	6.68	39.51	-55.75	-13.00	-42.75

Table 7-47. Radiated Spurious Data (GPRS Cell – Low Channel – Ant2)

Mode:		GPRS 1 Tx Slot							
Channel:		190							
Frequency (MHz):		836.6							
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]
1673.20	H	157	318	-56.59	-7.37	43.04	-52.21	-13.00	-39.21
2509.80	H	173	331	-39.67	-3.74	63.59	-31.66	-13.00	-18.66
3346.40	H	-	-	-72.51	-0.39	34.10	-61.15	-13.00	-48.15
4183.00	H	154	333	-60.12	1.11	47.99	-47.27	-13.00	-34.27
5019.60	H	-	-	-72.85	2.27	36.42	-58.84	-13.00	-45.84
5856.20	H	169	319	-70.56	3.50	39.94	-55.32	-13.00	-42.32
6692.80	H	-	-	-74.35	5.34	37.99	-57.27	-13.00	-44.27
7529.40	H	-	-	-73.76	6.61	39.85	-55.41	-13.00	-42.41

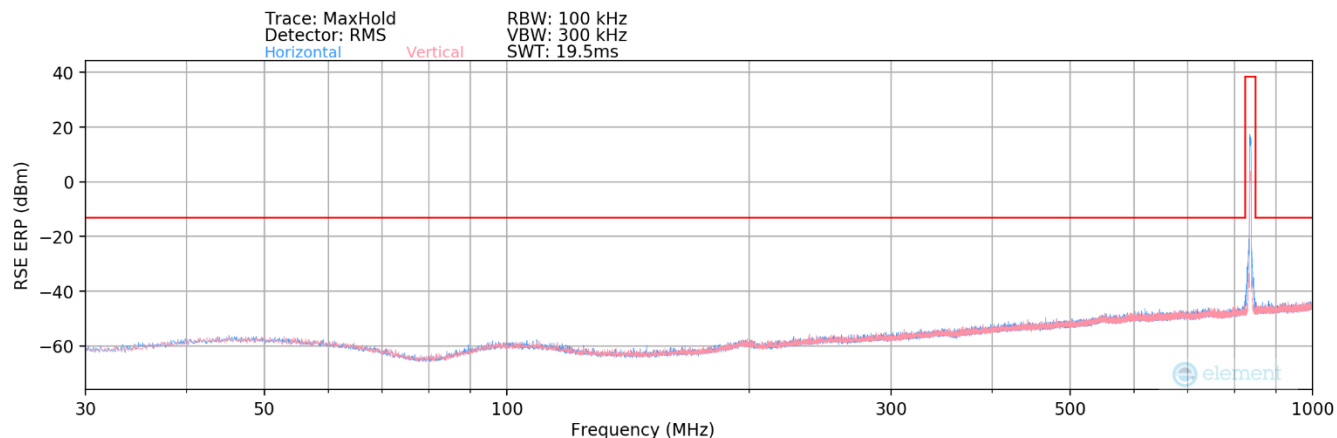
Table 7-48. Radiated Spurious Data (GPRS Cell – Mid Channel – Ant2)

Mode:		GPRS 1 Tx Slot							
Channel:		251							
Frequency (MHz):		848.8							
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]
1697.60	H	142	321	-59.82	-7.10	40.08	-55.17	-13.00	-42.17
2546.40	H	145	325	-38.39	-3.17	65.44	-29.82	-13.00	-16.82
3395.20	H	-	-	-73.05	-0.34	33.61	-61.65	-13.00	-48.65
4244.00	H	143	331	-60.53	0.88	47.35	-47.90	-13.00	-34.90
5092.80	H	-	-	-73.20	2.85	36.65	-58.61	-13.00	-45.61
5941.60	H	-	-	-73.94	3.46	36.52	-58.74	-13.00	-45.74
6790.40	H	-	-	-73.39	5.20	38.81	-56.45	-13.00	-43.45
7639.20	H	-	-	-74.36	6.76	39.40	-55.86	-13.00	-42.86

Table 7-49. Radiated Spurious Data (GPRS Cell – High Channel – Ant2)

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Test Report S/N: 1M2510280090-05-R2.A3L		Test Dates: 11/3/2025 - 11/28/2025		EUT Type: Portable Handset		Page 154 of 162	

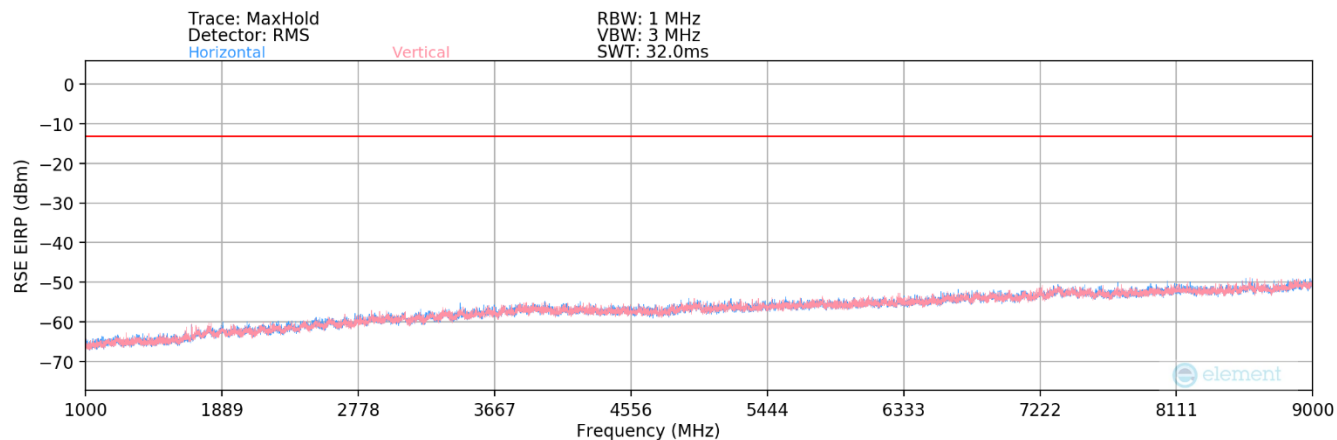
WCDMA Cell – Ant2



Plot 7-201. Radiated Spurious Plot (WCDMA Cell – Ant2)

Mode:		WCDMA RMC							
Channel:		4183							
Frequency (MHz):		836.6							
Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	ERP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
446.85	H	-	-	-81.22	23.78	49.56	-47.85	-13.00	-34.85
551.40	H	-	-	-79.32	25.67	53.35	-44.06	-13.00	-31.06

Table 7-50. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant2)



Plot 7-202. Radiated Spurious Plot (WCDMA Cell – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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Mode:		WCDMA RMC							
Channel:		4132							
Frequency (MHz):		826.4							
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]
1652.80	H	-	-	-74.00	-7.60	25.40	-69.85	-13.00	-56.85
2479.20	H	-	-	-73.93	-3.86	29.21	-66.05	-13.00	-53.05
3305.60	H	-	-	-76.16	-0.76	30.08	-65.17	-13.00	-52.17
4132.00	H	-	-	-75.94	1.31	32.37	-62.89	-13.00	-49.89

Table 7-51. Radiated Spurious Data (WCDMA Cell – Low Channel – Ant2)

Mode:		WCDMA RMC							
Channel:		4183							
Frequency (MHz):		836.6							
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]
1673.20	H	-	-	-74.45	-7.37	25.18	-70.07	-13.00	-57.07
2509.80	H	-	-	-74.40	-3.74	28.86	-66.39	-13.00	-53.39
3346.40	H	-	-	-75.32	-0.39	31.29	-63.96	-13.00	-50.96
4183.00	H	-	-	-76.29	1.11	31.82	-63.44	-13.00	-50.44

Table 7-52. Radiated Spurious Data (WCDMA Cell – Mid Channel – Ant2)

Mode:		WCDMA RMC							
Channel:		4233							
Frequency (MHz):		846.6							
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]
1693.20	H	188	296	-70.65	-7.18	29.17	-66.09	-13.00	-53.09
2539.80	H	-	-	-75.48	-3.10	28.42	-66.84	-13.00	-53.84
3386.40	H	-	-	-76.61	-0.29	30.10	-65.16	-13.00	-52.16
4233.00	H	-	-	-75.82	1.02	32.20	-63.05	-13.00	-50.05

Table 7-53. Radiated Spurious Data (WCDMA Cell – High Channel – Ant2)

FCC ID: A3LSMA576U IC: 649E-SMA576W		PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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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 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 22 and RSS-132, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency.

Test Procedure Used

ANSI C63.26:2015 – Section 5.6

Test Settings

1. The carrier frequency of the transmitter is measured at room temperature (20°C to provide a reference).
2. The equipment is turned on in a “standby” condition for fifteen minutes before applying power to the transmitter. Measurement of the carrier frequency of the transmitter is made within one minute after applying power to the transmitter.
3. Frequency measurements are made at 10°C intervals ranging from -30°C to +50°C. A period of at least one half-hour is provided to allow stabilization of the equipment at each temperature level.

Test Setup

The EUT was connected via an RF cable to a spectrum analyzer with the EUT placed inside an environmental chamber.

Test Notes

None

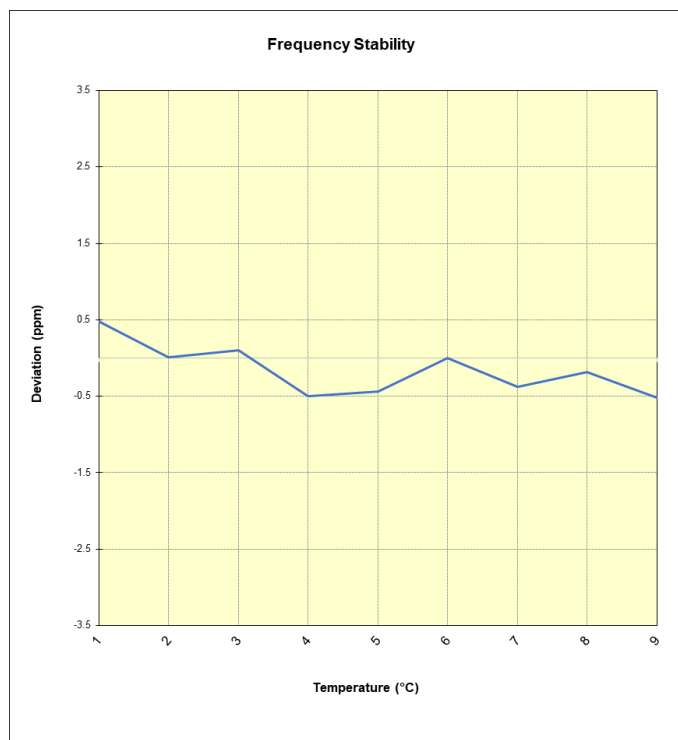
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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LTE Band 26/5

Operating Frequency (Hz):	836,500,000
Ref. Voltage (VDC):	4.446
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.446	- 30	836,505,872	402	0.0000481
		- 20	836,505,478	8	0.0000010
		- 10	836,505,552	82	0.0000098
		0	836,505,050	-420	-0.0000502
		+ 10	836,505,107	-363	-0.0000434
		+ 20 (Ref)	836,505,470	0	0.0000000
		+ 30	836,505,156	-314	-0.0000375
		+ 40	836,505,316	-154	-0.0000184
		+ 50	836,505,035	-435	-0.0000520
Battery Endpoint	3.648	+ 20	836,504,695	-775	-0.0000926

Table 7-54. LTE Band 26/5 Frequency Stability Data



Plot 7-203. LTE Band 26/5 Frequency Stability Chart

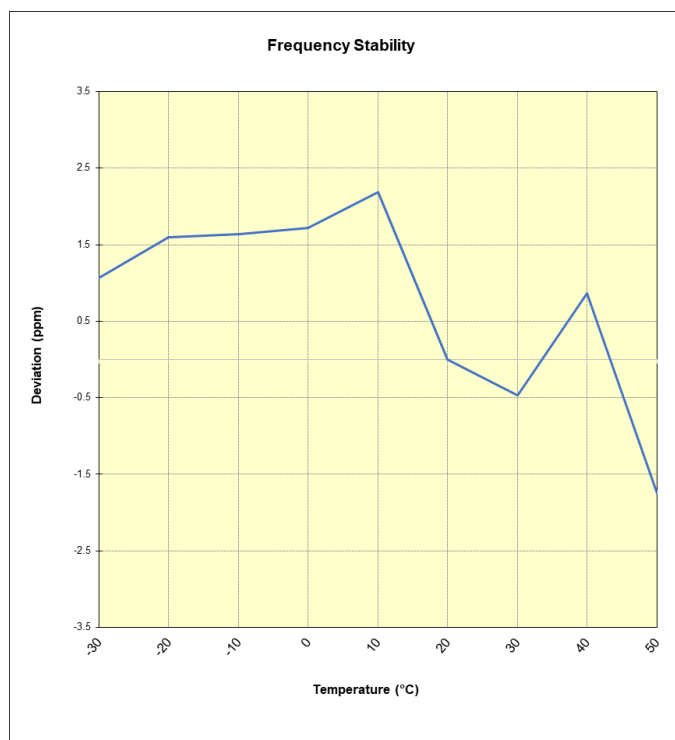
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 158 of 162

NR Band n5

Operating Frequency (Hz):	836,500,000
Ref. Voltage (VDC):	4.446
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.446	- 30	836,534,401	893	0.0001068
		- 20	836,534,844	1,336	0.0001597
		- 10	836,534,876	1,368	0.0001635
		0	836,534,946	1,438	0.0001719
		+ 10	836,535,339	1,831	0.0002189
		+ 20 (Ref)	836,533,508	0	0.0000000
		+ 30	836,533,120	-388	-0.0000464
		+ 40	836,534,230	722	0.0000863
		+ 50	836,532,040	-1,468	-0.0001755
Battery Endpoint	3.648	+ 20	836,531,923	-1,585	-0.0001895

Table 7-55. NR Band n5 Frequency Stability Data



Plot 7-204. NR Band n5 Frequency Stability Chart

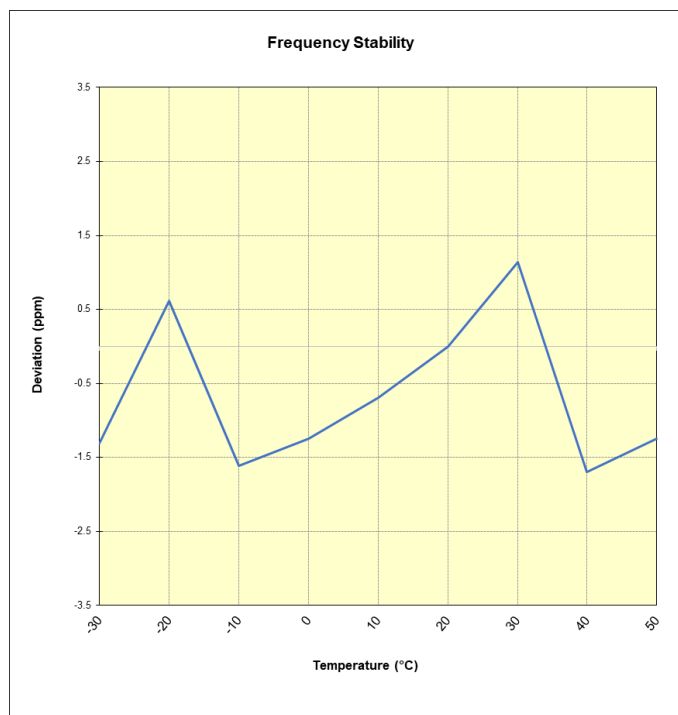
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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GSM/GPRS Cellular

Operating Frequency (Hz):	836,600,000
Ref. Voltage (VDC):	4.446
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.446	- 30	836,602,212	-1,097	-0.0001311
		- 20	836,603,822	513	0.0000613
		- 10	836,601,963	-1,346	-0.0001609
		0	836,602,270	-1,039	-0.0001242
		+ 10	836,602,734	-575	-0.0000687
		+ 20 (Ref)	836,603,309	0	0.0000000
		+ 30	836,604,258	949	0.0001134
		+ 40	836,601,889	-1,420	-0.0001697
		+ 50	836,602,270	-1,039	-0.0001242
Battery Endpoint	3.648	+ 20	836,603,342	33	0.0000039

Table 7-56. GSM/GPRS Cell Frequency Stability Data



Plot 7-205. GSM/GPRS Cell Frequency Stability Chart

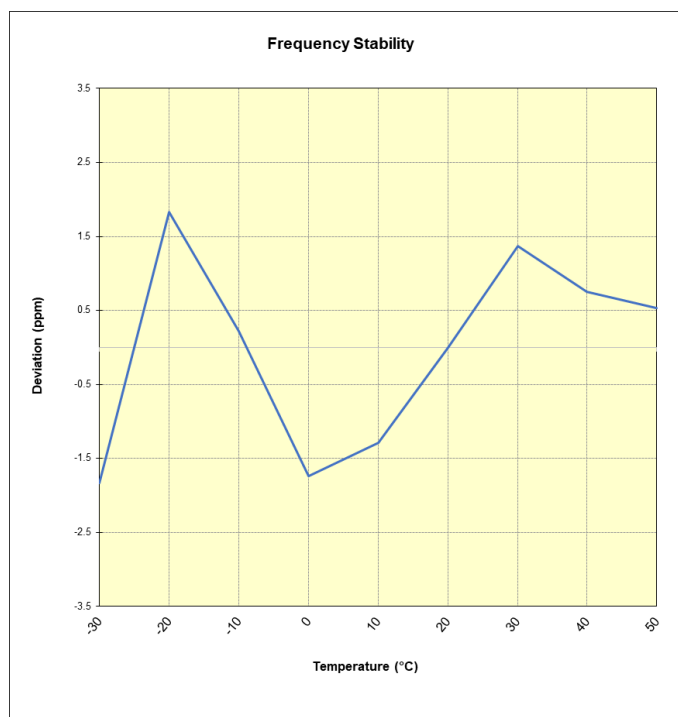
FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
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WCDMA Cellular

Operating Frequency (Hz):	836,600,000
Ref. Voltage (VDC):	4.446
Deviation Limit:	± 0.00025% or 2.5 ppm

Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.446	- 30	836,560,002	-1,537	-0.0001837
		- 20	836,563,066	1,527	0.0001825
		- 10	836,561,726	187	0.0000224
		0	836,560,089	-1,450	-0.0001733
		+ 10	836,560,464	-1,075	-0.0001285
		+ 20 (Ref)	836,561,539	0	0.0000000
		+ 30	836,562,682	1,143	0.0001366
		+ 40	836,562,169	630	0.0000753
		+ 50	836,561,985	446	0.0000533
Battery Endpoint	3.648	+ 20	836,561,971	432	0.0000516

Table 7-57. WCDMA Cell Frequency Stability Data



Plot 7-206. WCDMA Cell Frequency Stability Char

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 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: A3LSMA576U** and **IC:649E-SMA576W** complies with all the requirements of Part 22 of the FCC rules and RSS-132 of ISED rules.

- END OF TEST REPORT -

FCC ID: A3LSMA576U IC: 649E-SMA576W	PART 22 MEASUREMENT REPORT		Approved by: Technical Manager
Test Report S/N: 1M2510280090-05-R2.A3L	Test Dates: 11/3/2025 - 11/28/2025	EUT Type: Portable Handset	Page 162 of 162