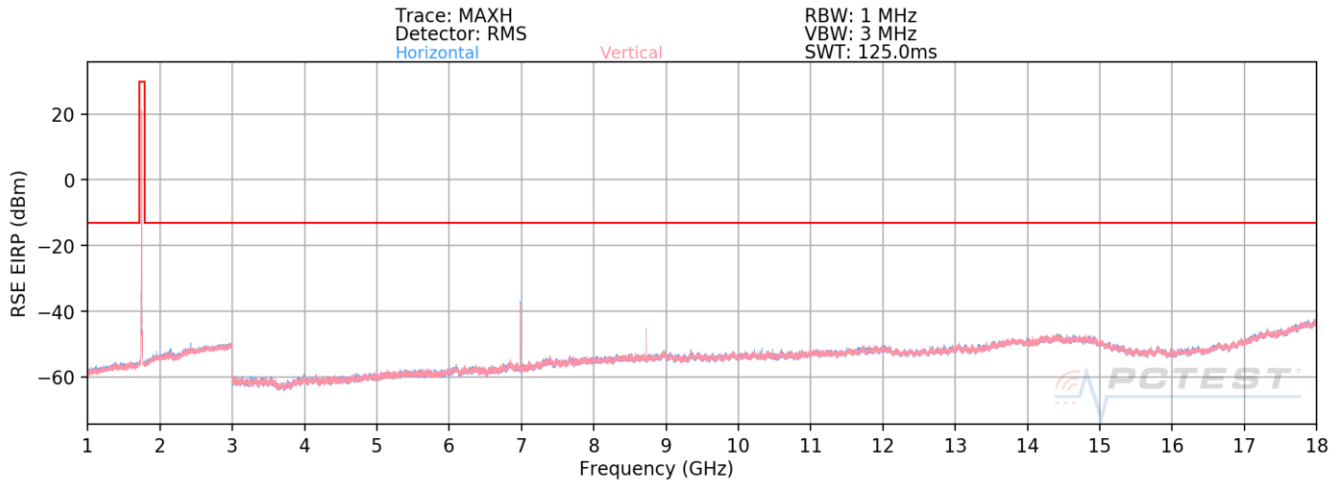


LTE Band 66/4



Plot 7-293. Radiated Spurious Plot (LTE Band 66/4)

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3440.0	V	364	213	-77.66	1.69	31.03	-64.23	-13.00	-51.23
5160.0	V	-	-	-78.67	4.50	32.83	-62.43	-13.00	-49.43
6880.0	V	276	189	-60.88	8.67	54.79	-40.46	-13.00	-27.46
8600.0	V	250	190	-68.43	11.00	49.57	-45.68	-13.00	-32.68
10320.0	V	316	146	-78.40	11.75	40.35	-54.91	-13.00	-41.91
12040.0	V	-	-	-81.52	14.96	40.44	-54.82	-13.00	-41.82
13760.0	V	-	-	-81.52	16.94	42.42	-52.84	-13.00	-39.84

Table 7-24. Radiated Spurious Data (LTE Band 66/4 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3490.0	V	127	108	-77.54	1.24	30.70	-64.55	-13.00	-51.55
5235.0	V	-	-	-78.64	4.52	32.88	-62.38	-13.00	-49.38
6980.0	V	286	182	-57.12	7.19	57.07	-38.18	-13.00	-25.18
8725.0	V	241	189	-72.44	10.69	45.25	-50.01	-13.00	-37.01
10470.0	V	316	145	-79.03	12.03	40.00	-55.26	-13.00	-42.26
12215.0	V	-	-	-81.11	13.84	39.73	-55.53	-13.00	-42.53
13960.0	V	-	-	-81.35	16.44	42.09	-53.17	-13.00	-40.17



Table 7-25. Radiated Spurious Data (LTE Band 66/4 – Mid Channel)

FCC ID: A3LSMA426U	PART 27 MEASUREMENT REPORT	Approved by: Technical Manager
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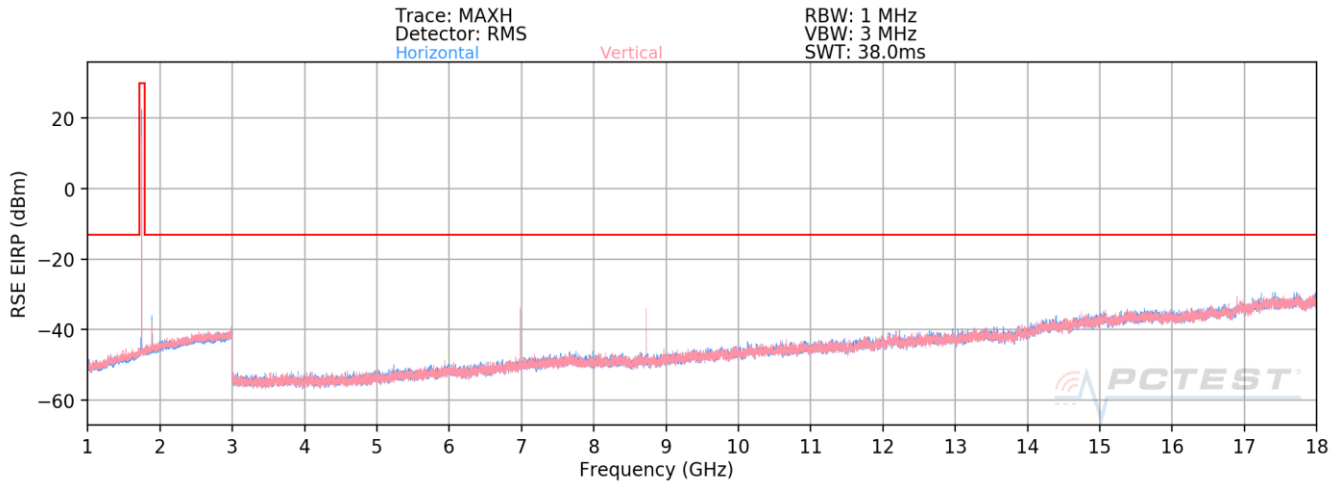
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 50

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Analyzer Level [dBm]	AFCL [dB/m]	Field Strength [dBμV/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.00	V	369	145	-74.49	1.34	33.85	-61.41	-13.00	-48.41
5310.00	V	121	276	-77.81	4.46	33.65	-61.61	-13.00	-48.61
7080.00	V	279	176	-57.84	7.64	56.80	-38.46	-13.00	-25.46
8850.00	V	273	192	-74.72	11.22	43.50	-51.76	-13.00	-38.76
10620.00	V	-	-	-81.03	12.68	38.65	-56.60	-13.00	-43.60
12390.00	V	-	-	-80.80	13.66	39.86	-55.40	-13.00	-42.40

Table 7-26. Radiated Spurious Data (LTE Band 66/4 – High Channel)

FCC ID: A3LSMA426U	 PART 27 MEASUREMENT REPORT 	Approved by: Technical Manager
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NR Band n66



Plot 7-294. Radiated Spurious Plot (NR Band n66)

Bandwidth (MHz):	20
Frequency (MHz):	1720.0
RB / Offset:	1 / 104
Mode:	Standalone



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]
5160.0	V	133	0	-77.69	10.51	39.82	-55.44	-13.00	-42.44
6880.0	V	137	348	-63.95	14.12	57.17	-38.09	-13.00	-25.09
8600.0	V	100	226	-71.88	17.14	52.26	-43.00	-13.00	-30.00

Table 7-27. Radiated Spurious Data (NR Band n66 – Low Channel)

Bandwidth (MHz):	20
Frequency (MHz):	1745.0
RB / Offset:	1 / 104
Mode:	Standalone

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]
3490.0	V	364	359	-77.43	7.58	37.15	-58.11	-13.00	-45.11
5235.0	V	115	8	-77.50	10.31	39.81	-55.45	-13.00	-42.45
6980.0	V	215	349	-64.63	14.68	57.05	-38.21	-13.00	-25.21
8725.0	V	141	6	-75.37	17.57	49.20	-46.06	-13.00	-33.06
10470.0	V	-	-	-84.43	20.53	43.10	-52.16	-13.00	-39.16



Table 7-28. Radiated Spurious Data (NR Band n66 – Mid Channel)

FCC ID: A3LSMA426U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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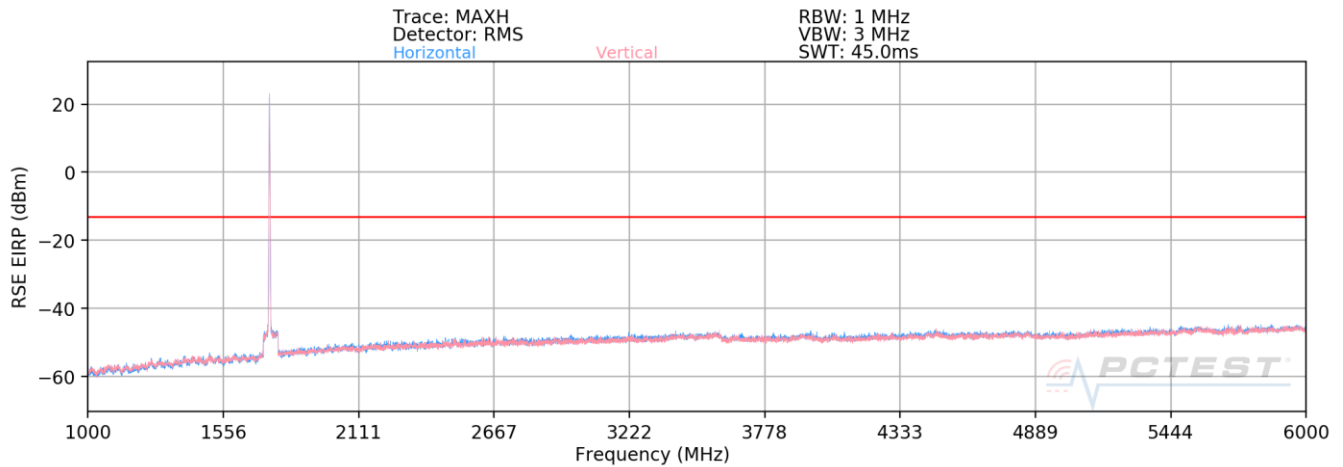
Bandwidth (MHz):	20
Frequency (MHz):	1770.0
RB / Offset:	1 / 1
Mode:	Standalone

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]
5310.0	V	125	2	-76.13	11.13	42.00	-53.26	-13.00	-40.26
7080.0	V	230	350	-64.83	15.03	57.20	-38.06	-13.00	-25.06
8850.0	V	101	345	-75.09	17.07	48.98	-46.28	-13.00	-33.28

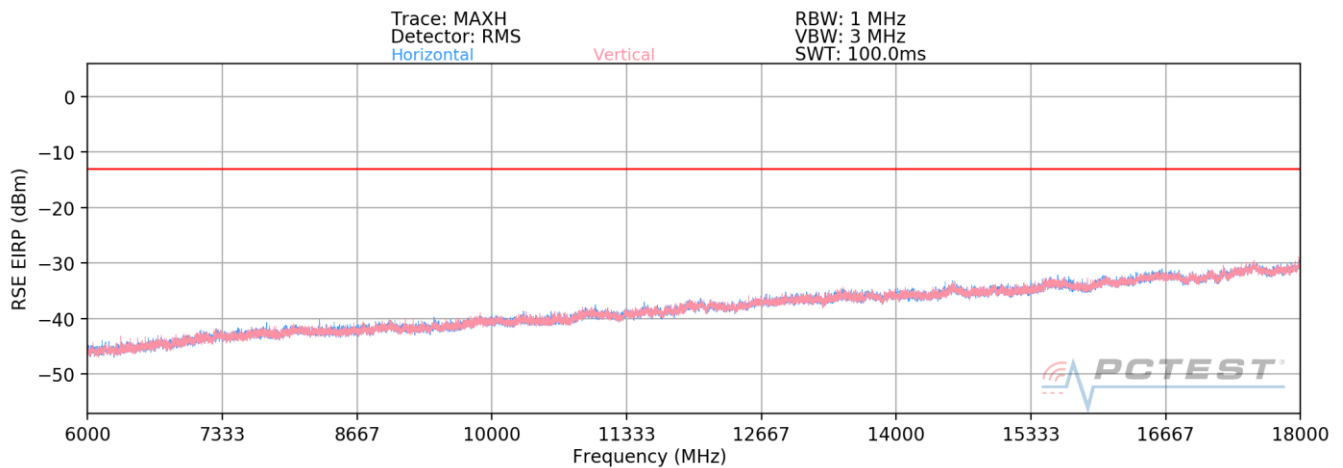
Table 7-29. Radiated Spurious Data (NR Band n66 – High Channel)

FCC ID: A3LSMA426U	 PART 27 MEASUREMENT REPORT 	Approved by: Technical Manager
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NR Band n66 – B5



Plot 7-295. Radiated Spurious Plot (NR Band n66-B5)





Plot 7-296. Radiated Spurious Plot (NR Band n66-B5)

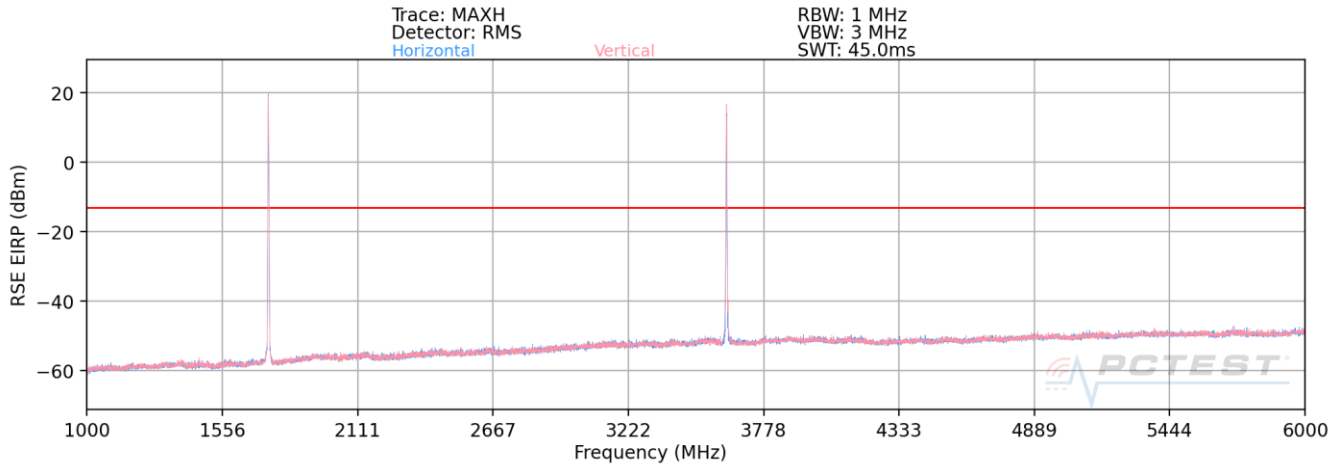
Sample #:	01875
Bandwidth (MHz):	20 / 10
Frequency (MHz):	1745 / 836.5
RB / Offset:	1-53 / 1-25
Mode:	EN-DC
Anchor Band:	B5

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]
1889.0	V	-	-	-74.72	10.01	42.29	-52.97	-13.00	-39.97
2653.0	V	-	-	-72.57	12.70	47.13	-48.12	-13.00	-35.12
2797.5	V	-	-	-66.51	12.94	53.43	-41.83	-13.00	-28.83
3562.0	V	-	-	-68.41	14.59	53.18	-42.08	-13.00	-29.08
4470.5	V	-	-	-76.92	15.91	45.99	-49.27	-13.00	-36.27

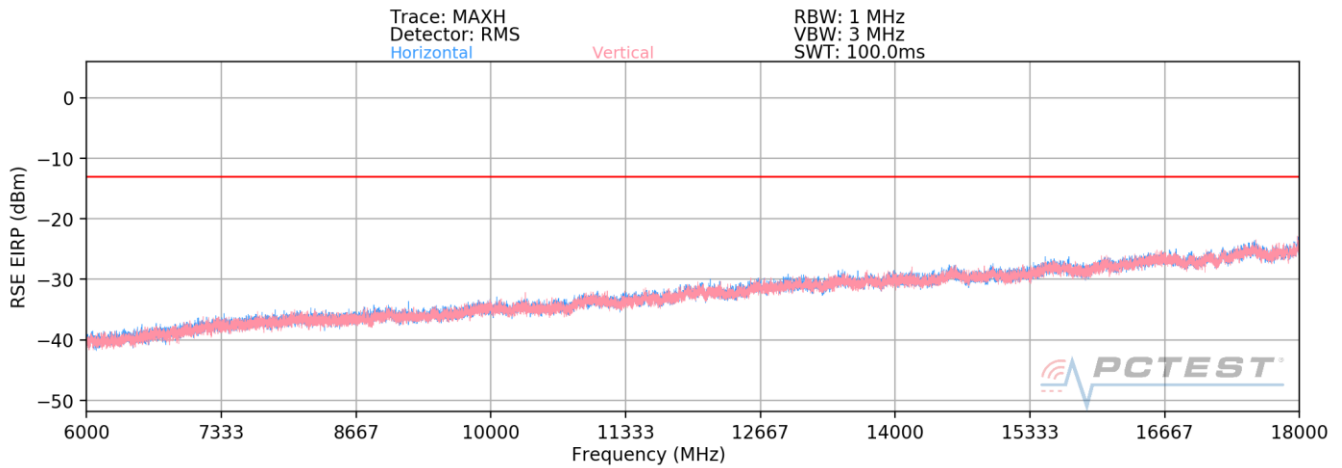
Table 7-30. Radiated Spurious Data (NR Band n66 – B5)

FCC ID: A3LSMA426U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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NR Band n66 – B48



Plot 7-297. Radiated Spurious Plot (NR Band n66-B48)





Plot 7-298. Radiated Spurious Plot (NR Band n66-B48)

Bandwidth (MHz):	20 / 20
Frequency (MHz):	1745 / 3625
RB / Offset:	1 - 50 / 1 - 136
Mode:	EN-DC
Anchor Band:	B48

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]
2015.0	H	-	-	-72.19	10.93	45.74	-49.51	-13.00	-36.51
3895.0	H	-	-	-70.11	13.42	50.31	-44.95	-13.00	-31.95
5505.0	H	-	-	-69.84	17.58	54.74	-40.52	-13.00	-27.52
5775.0	H	-	-	-68.24	17.95	56.71	-38.55	-13.00	-25.55

Table 7-31. Radiated Spurious Data (NR Band n66 – B48)

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7.9 Uplink Carrier Aggregation Radiated Measurements

§2.1053

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-D-2010 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using vertically and horizontally polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed as peak measurements while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies.



Test Procedures Used

KDB 971168 D01 v02r02 – Section 5.8

ANSI/TIA-603-D-2010 – Section 2.2.12

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW $\geq 3 \times$ RBW
3. No. of sweep points $\geq 2 \times$ span / RBW
4. Detector = RMS
5. Trace mode = trace average for continuous emissions, max hold for pulse emissions
6. The trace was allowed to stabilize

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Test Setup

The EUT and measurement equipment were set up as shown in the diagram below.

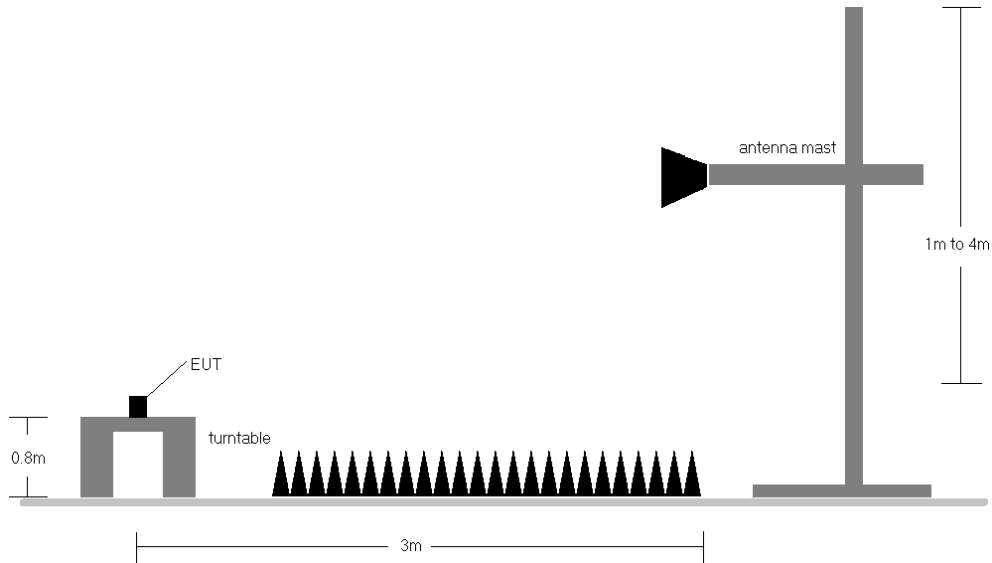


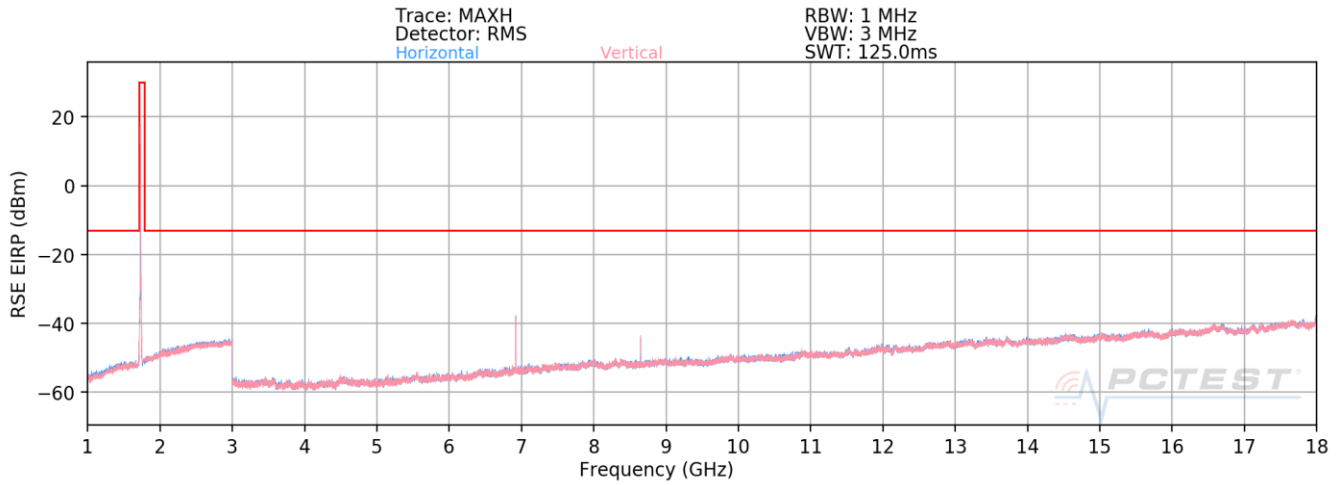
Figure 7-9. Test Instrument & Measurement Setup

Test Notes

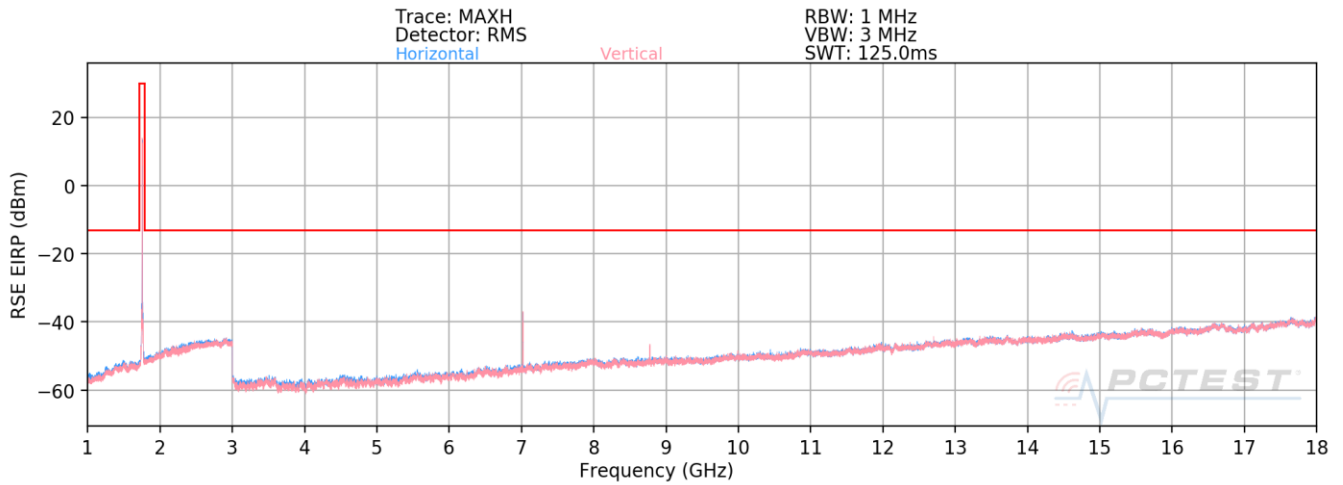
- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) Radiated spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. The worst case (highest) emissions were found while operating with QPSK modulation with both carriers set to transmit using 1RB.
- 4) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 5) Emissions below 18GHz were measured at a 3 meter test distance while emissions above 18GHz were measured at a 1 meter test distance with the application of a distance correction factor.
- 6) No significant emissions were found as a result of two uplink carriers operating contiguously.

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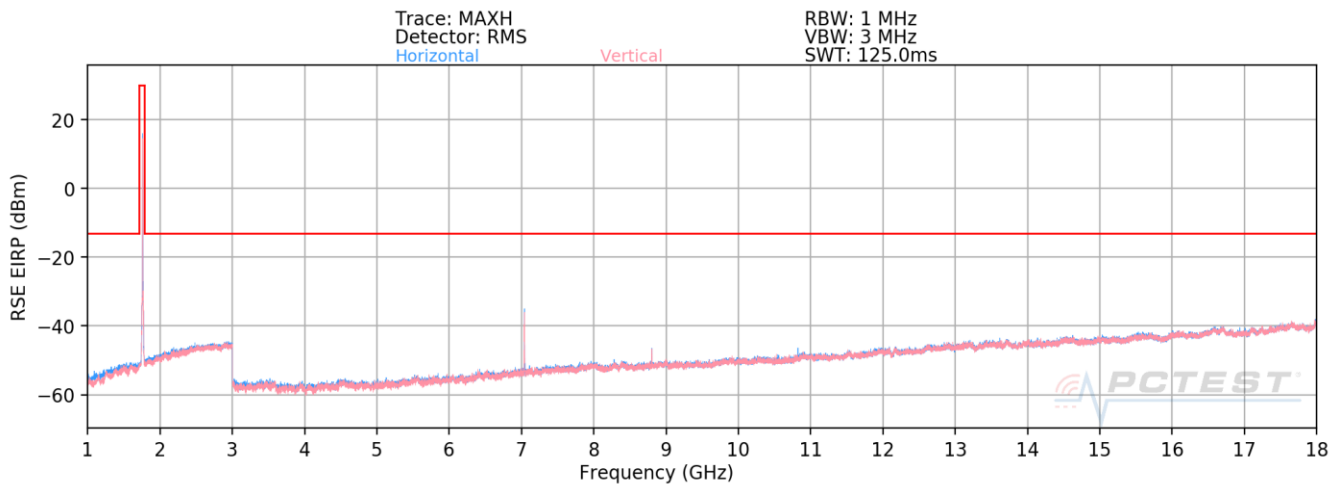
ULCA Band 66



Plot 7-299. Radiated Spurious Plot 1GHz - 18GHz (ULCA Band 66 Low Channel – PCC/SCC: 1RB)



Plot 7-300. Radiated Spurious Plot 1GHz - 18GHz (ULCA Band 66 Mid Channel – PCC/SCC: 1RB)



Plot 7-301. Radiated Spurious Plot 1GHz - 18GHz (ULCA Band 66 High Channel – PCC/SCC: 1RB)

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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1720.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1739.8
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]
3440.0	H	371	315	-77.19	5.48	35.29	-59.97	-13.00	-46.97
5160.0	H	-	-	-79.10	7.69	35.59	-59.67	-13.00	-46.67
6880.0	H	133	33	-61.42	10.93	56.51	-38.75	-13.00	-25.75
8600.0	H	125	357	-69.66	13.03	50.37	-44.89	-13.00	-31.89
10320.0	H	-	-	-80.03	15.65	42.62	-52.64	-13.00	-39.64
12040.0	H	-	-	-80.89	18.12	44.23	-51.03	-13.00	-38.03
13760.0	H	-	-	-81.36	20.99	46.63	-48.63	-13.00	-35.63

Plot 7-32. Radiated Spurious Data (ULCA B66 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Low Channel)

PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1745.0
PCC RB / Offset:	1 / 99
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1764.8
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]
3490.0	H	104	314	-74.32	5.34	38.02	-57.24	-13.00	-44.24
5235.0	H	-	-	-78.92	7.14	35.22	-60.04	-13.00	-47.04
6980.0	H	146	56	-58.44	10.72	59.28	-35.98	-13.00	-22.98
8725.0	H	133	354	-74.03	13.16	46.13	-49.13	-13.00	-36.13
10470.0	H	-	-	-81.08	15.54	41.46	-53.80	-13.00	-40.80
12215.0	H	-	-	-81.37	18.26	43.89	-51.36	-13.00	-38.36
13960.0	H	-	-	-81.35	20.39	46.04	-49.22	-13.00	-36.22
15705.0	H	-	-	-81.08	23.19	49.11	-46.15	-13.00	-33.15



Plot 7-33. Radiated Spurious Data (ULCA B66 PCC: RB 1 Offset 99, SCC: RB 1 Offset 0 – Mid Channel)

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PCC Bandwidth (MHz):	20
PCC Frequency (MHz):	1770.0
PCC RB / Offset:	1 / 0
SCC Bandwidth (MHz):	20
SCC Frequency (MHz):	1750.2
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 [dB μ V/m]	EIRP Spurious Emission Level [dBm]	Limit [dBm]	Margin [dB]
3540.0	H	100	319	-74.33	5.51	38.18	-57.07	-13.00	-44.07
5310.0	H	107	350	-78.06	7.32	36.26	-59.00	-13.00	-46.00
7080.0	H	109	49	-57.91	11.53	60.62	-34.64	-13.00	-21.64
8850.0	H	102	351	-74.14	13.69	46.55	-48.71	-13.00	-35.71
10620.0	H	-	-	-80.27	15.60	42.33	-52.92	-13.00	-39.92
12390.0	H	-	-	-81.57	18.47	43.90	-51.36	-13.00	-38.36
14160.0	H	-	-	-81.12	20.97	46.85	-48.41	-13.00	-35.41

Plot 7-34. Radiated Spurious Data (ULCA B66 PCC: RB 1 Offset 0, SCC: RB 1 Offset 99 – High Channel)

FCC ID: A3LSMA426U	 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.

For Part 27, the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI/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

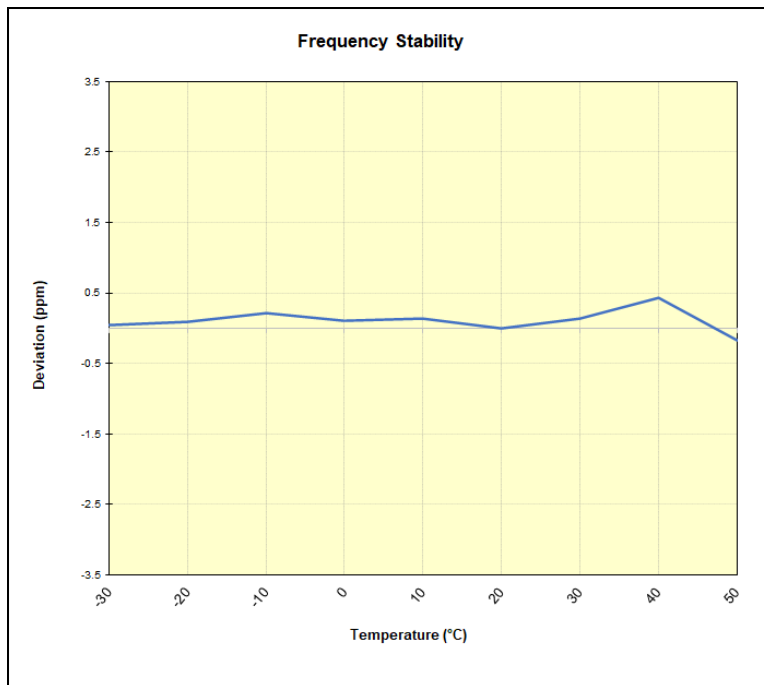
None

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Frequency Stability / Temperature Variation

LTE Band 12					
Operating Frequency (Hz):		707,500,000			
Ref. Voltage (VDC):		4.38			
Deviation Limit:		± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	707,500,003	28	0.0000040
		- 20	707,500,046	71	0.0000100
		- 10	707,500,130	155	0.0000219
		0	707,500,055	80	0.0000113
		+ 10	707,500,075	100	0.0000141
		+ 20 (Ref)	707,499,975	0	0.0000000
		+ 30	707,500,075	100	0.0000141
		+ 40	707,500,283	308	0.0000435
		+ 50	707,499,854	-121	-0.0000171
Battery Endpoint	3.51	+ 20	707,499,945	-30	-0.0000042

Table 7-35. LTE Band 12 Frequency Stability Data



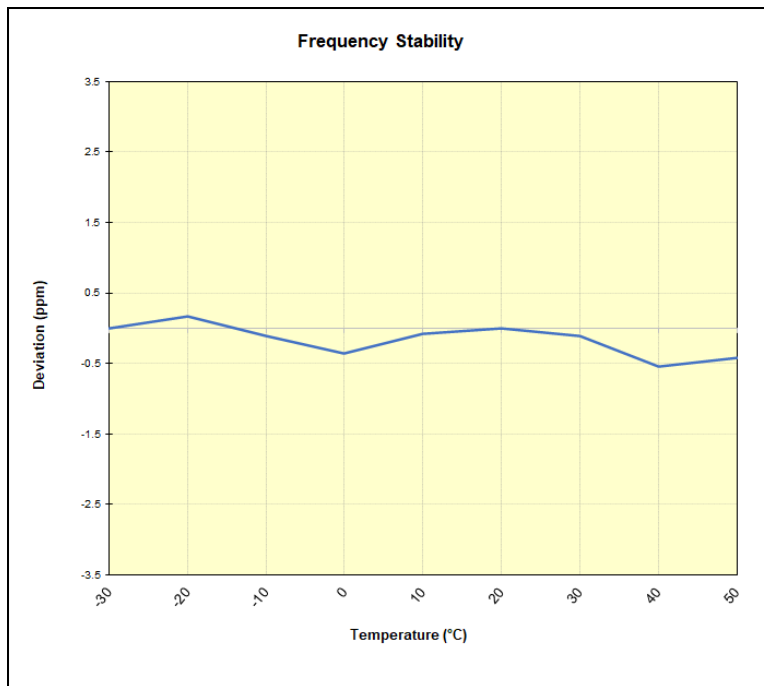
Plot 7-302. LTE Band 12 Frequency Stability Chart

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Frequency Stability / Temperature Variation

LTE Band 13					
Operating Frequency (Hz):		782,000,000			
Ref. Voltage (VDC):		4.38			
Deviation Limit:		± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	782,000,051	-2	-0.0000003
		- 20	782,000,192	139	0.0000178
		- 10	781,999,966	-87	-0.0000111
		0	781,999,778	-275	-0.0000352
		+ 10	781,999,998	-55	-0.0000070
		+ 20 (Ref)	782,000,053	0	0.0000000
		+ 30	781,999,971	-82	-0.0000105
		+ 40	781,999,635	-418	-0.0000535
Battery Endpoint	3.51	+ 20	782,000,029	-24	-0.0000031

Table 7-36. LTE Band 13 Frequency Stability Data



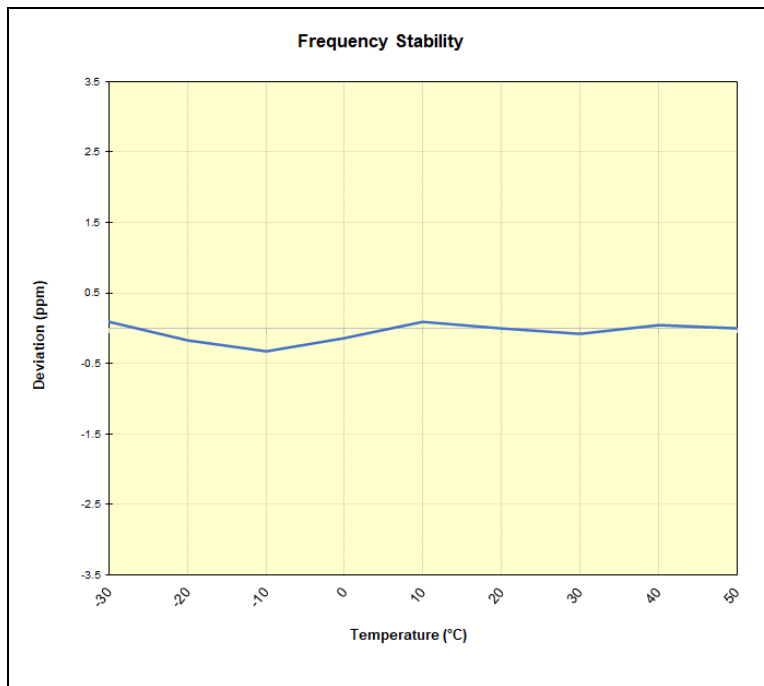
Plot 7-303. LTE Band 13 Frequency Stability Chart

FCC ID: A3LSMA426U	 PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 71					
Operating Frequency (Hz):		680,500,000			
Ref. Voltage (VDC):		4.38			
Deviation Limit:		± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	680,500,194	68	0.0000100
		- 20	680,500,005	-121	-0.0000178
		- 10	680,499,908	-218	-0.0000320
		0	680,500,032	-94	-0.0000138
		+ 10	680,500,192	66	0.0000097
		+ 20 (Ref)	680,500,126	0	0.0000000
		+ 30	680,500,069	-57	-0.0000084
		+ 40	680,500,155	29	0.0000043
Battery Endpoint	3.51	+ 20	680,499,874	-252	-0.0000370

Table 7-37. LTE Band 71 Frequency Stability Data



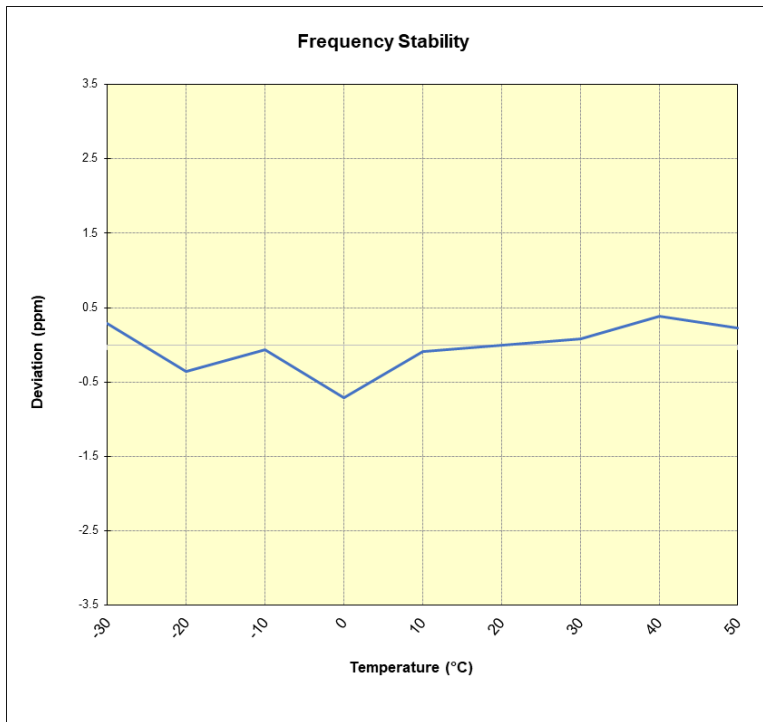
Plot 7-304. LTE Band 71 Frequency Stability Chart

FCC ID: A3LSMA426U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT	SAMSUNG	Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n71					
Operating Frequency (Hz):		680,500,000			
Ref. Voltage (VDC):		4.38			
Deviation Limit:		± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	680,500,236	192	0.0000282
		- 20	680,499,797	-247	-0.0000363
		- 10	680,499,999	-45	-0.0000066
		0	680,499,562	-482	-0.0000708
		+ 10	680,499,984	-60	-0.0000088
		+ 20 (Ref)	680,500,044	0	0.0000000
		+ 30	680,500,098	54	0.0000079
		+ 40	680,500,305	261	0.0000384
		+ 50	680,500,198	154	0.0000226
Battery Endpoint	3.51	+ 20	680,499,940	-104	-0.0000153

Table 7-38. NR Band n71 Frequency Stability Data



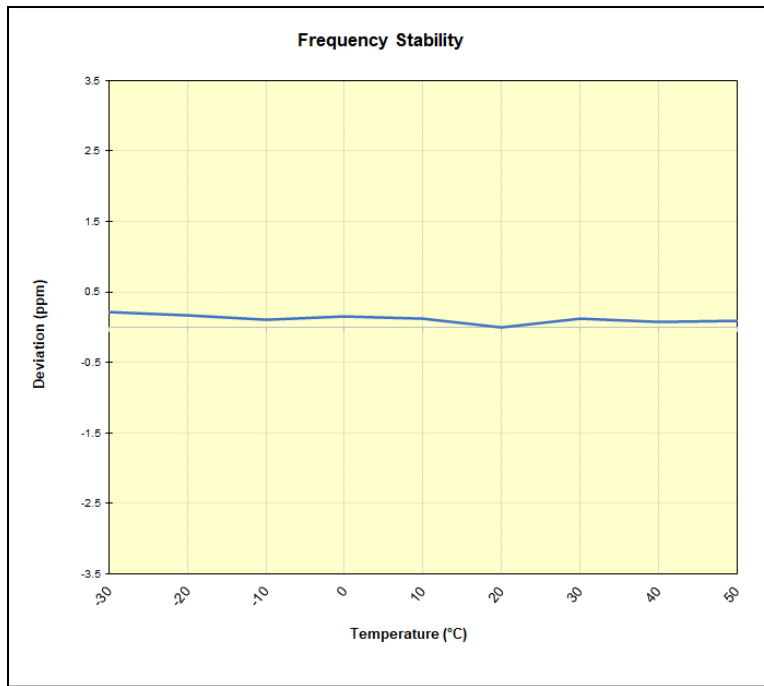
Plot 7-305. NR Band n71 Frequency Stability Chart

FCC ID: A3LSMA426U	 PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

WCDMA AWS					
Operating Frequency (Hz):		1,732,600,000			
Ref. Voltage (VDC):		4.38			
Deviation Limit:		± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	1,732,600,209	368	0.0000212
		- 20	1,732,600,147	306	0.0000177
		- 10	1,732,600,031	190	0.0000110
		0	1,732,600,099	258	0.0000149
		+ 10	1,732,600,064	223	0.0000129
		+ 20 (Ref)	1,732,599,841	0	0.0000000
		+ 30	1,732,600,055	214	0.0000124
		+ 40	1,732,599,970	129	0.0000074
Battery Endpoint	3.51	+ 20	1,732,599,777	-64	-0.0000037

Table 7-39. WCDMA AWS Frequency Stability Data



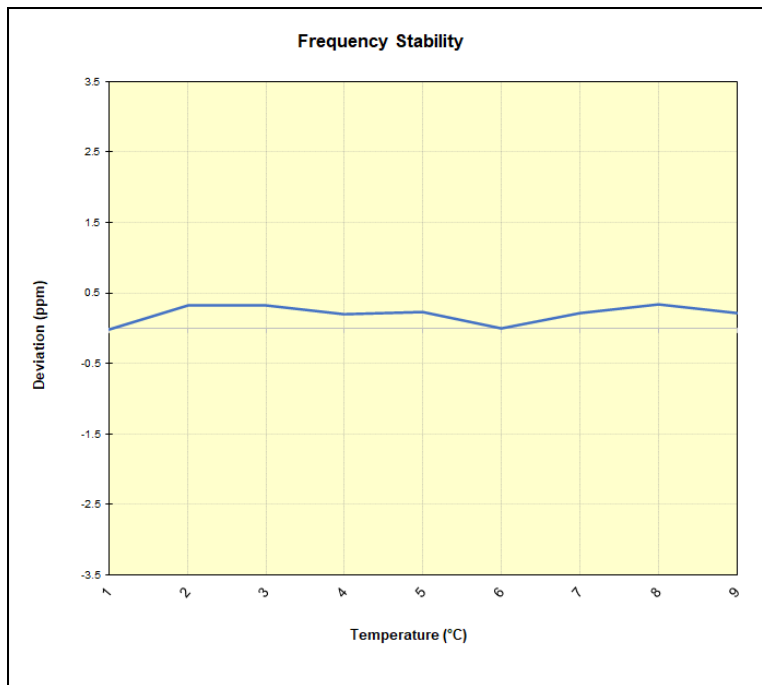
Plot 7-306. WCDMA AWS Frequency Stability Chart

FCC ID: A3LSMA426U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

LTE Band 66/4					
Operating Frequency (Hz):		1,745,000,000			
Ref. Voltage (VDC):		4.38			
Deviation Limit:		± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	1,744,999,548	-26	-0.000015
		- 20	1,745,000,149	575	0.0000330
		- 10	1,745,000,133	559	0.0000320
		0	1,744,999,925	351	0.0000201
		+ 10	1,744,999,989	415	0.0000238
		+ 20 (Ref)	1,744,999,574	0	0.0000000
		+ 30	1,744,999,955	381	0.0000218
		+ 40	1,745,000,181	607	0.0000348
Battery Endpoint	3.51	+ 20	1,744,999,711	137	0.0000079

Table 7-40. LTE Band 66/4 Frequency Stability Data



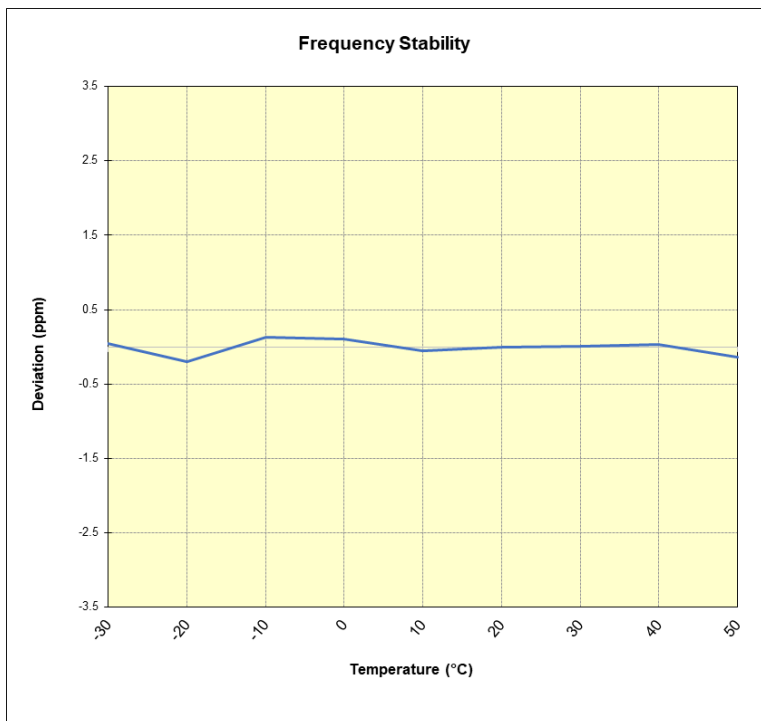
Plot 7-307. LTE Band 66/4 Frequency Stability Chart

FCC ID: A3LSMA426U	PCTEST Proud to be part of element	PART 27 MEASUREMENT REPORT		Approved by: Technical Manager
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Frequency Stability / Temperature Variation

NR Band n66					
Operating Frequency (Hz):		1,745,000,000			
Ref. Voltage (VDC):		4.38			
Deviation Limit:		± 0.00025% or 2.5 ppm			
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	4.38	- 30	1,745,000,106	67	0.0000038
		- 20	1,744,999,686	-353	-0.0000202
		- 10	1,745,000,273	234	0.0000134
		0	1,745,000,220	181	0.0000104
		+ 10	1,744,999,952	-87	-0.0000050
		+ 20 (Ref)	1,745,000,039	0	0.0000000
		+ 30	1,745,000,055	16	0.0000009
		+ 40	1,745,000,088	49	0.0000028
		+ 50	1,744,999,804	-235	-0.0000135
Battery Endpoint	3.51	+ 20	1,745,000,223	184	0.0000105

Table 7-41. NR Band n66 Frequency Stability Data





Plot 7-308. NR Band n66 Frequency Stability Chart

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8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Samsung Portable Handset FCC ID: A3LSMA426U** complies with all the requirements of Part 27 of the FCC rules.

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Test Report S/N: 1M2101040001-24-R1.A3L	Test Dates: 1/08 - 2/19/2021	EUT Type: Portable Handset	Page 205 of 205