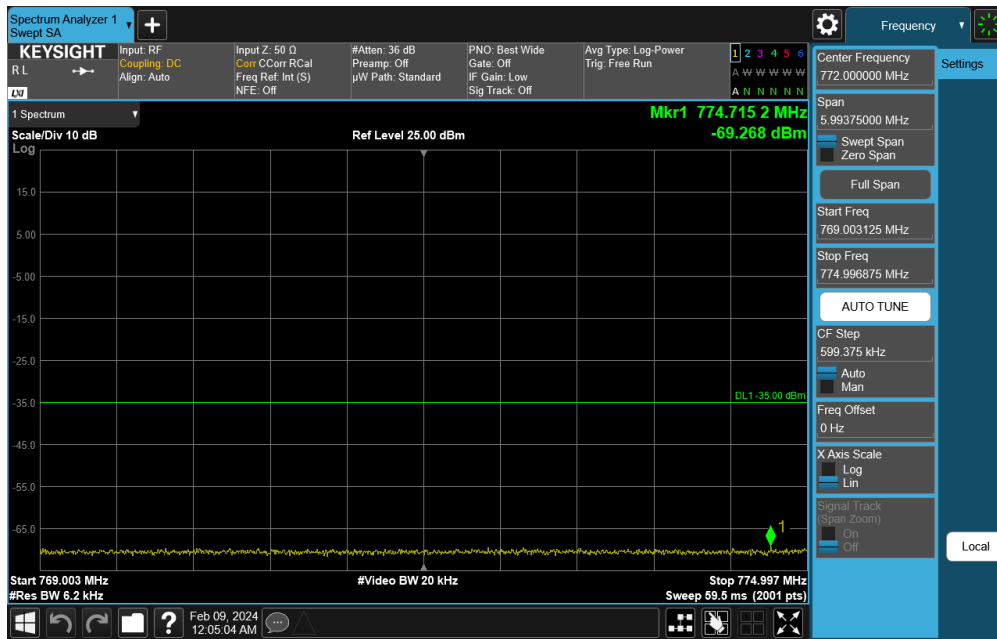
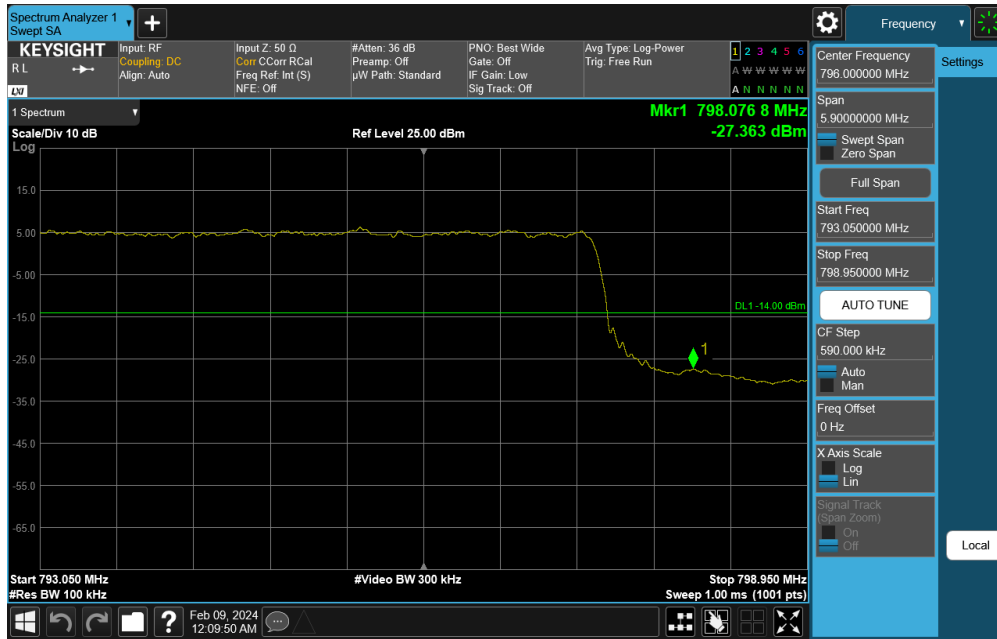


Plot 7-110. Lower Band Edge Plot (NR Band n14 - 10MHz QPSK – RB Size 50)

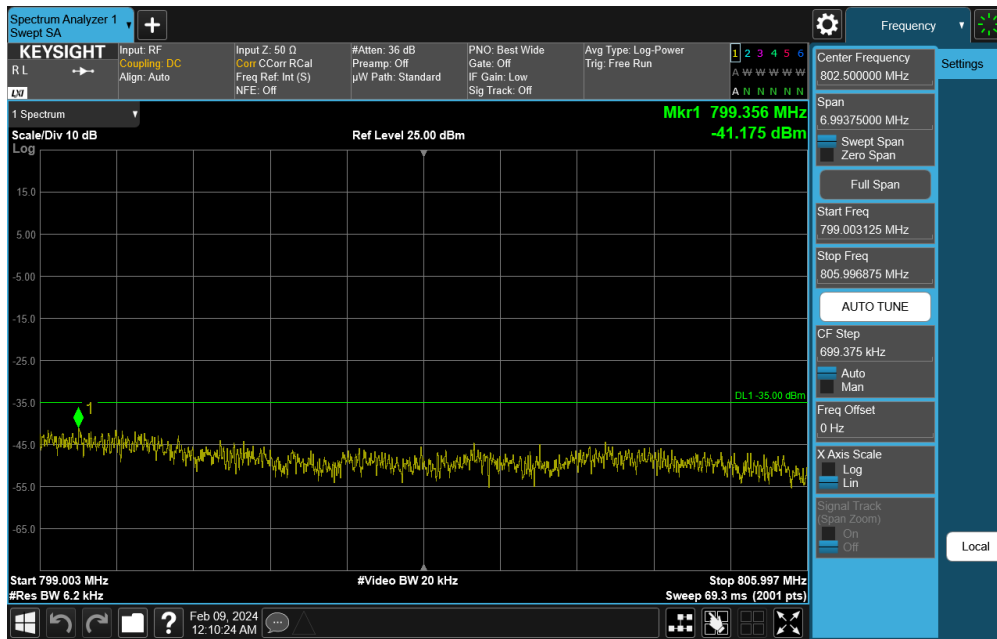


Plot 7-111. Lower Emission Mask Plot (NR Band n14 - 10MHz DFT-s-OFDM $\pi/2$ BPSK – RB Size 50)

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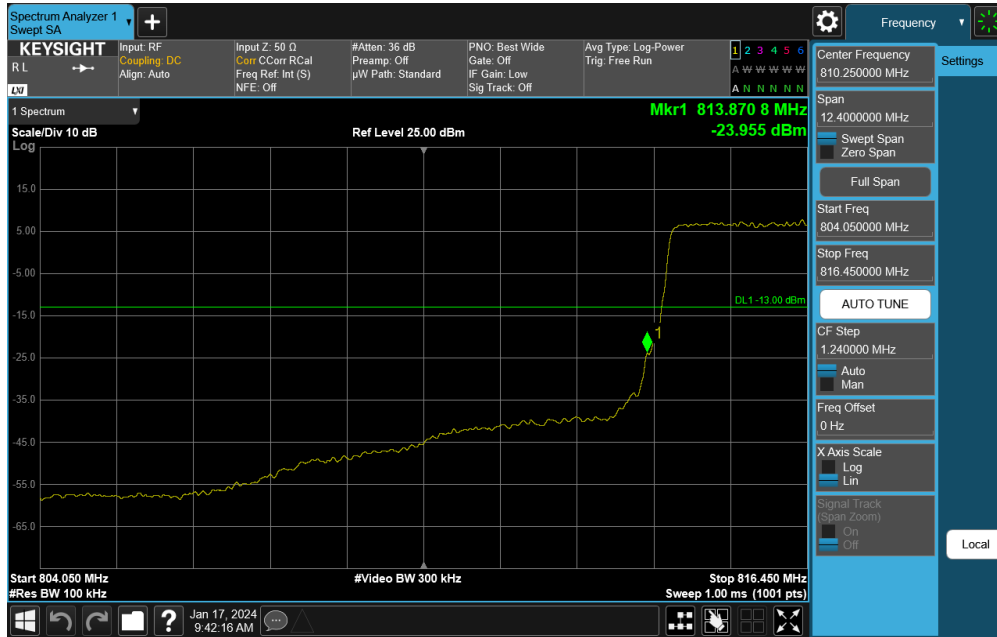
Plot 7-112. Upper Band Edge Plot (NR Band n14 - 10MHz DFT-s-OFDM QPSK – RB Size 50)



Plot 7-113. Upper Emission Mask Plot (NR Band n14 - 10MHz DFT-s-OFDM QPSK – RB Size 50)

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NR Band n26



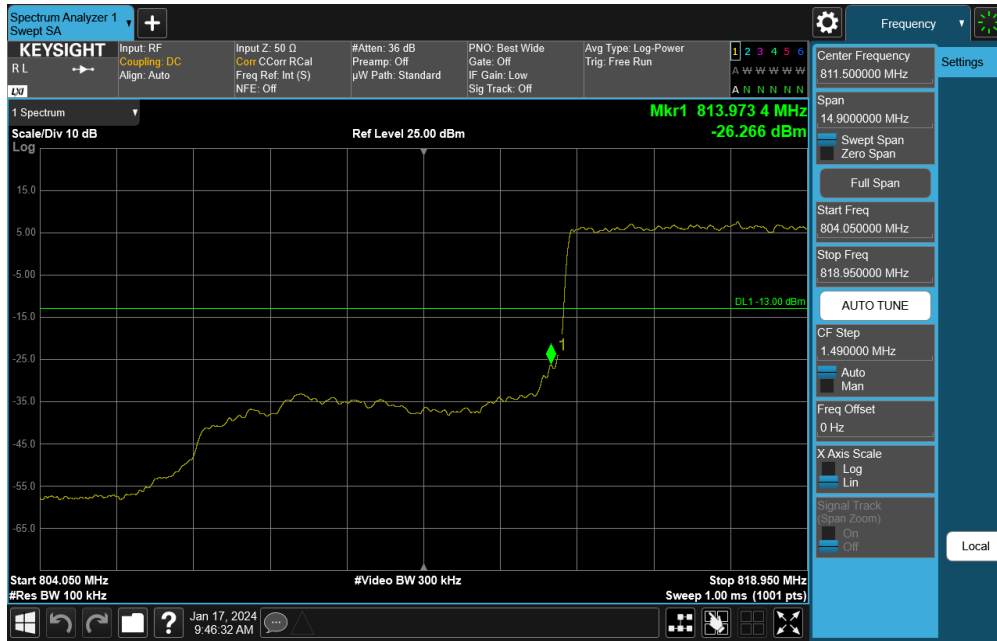
Plot 7-114. Lower Band Edge Plot (NR Band n26 - 5MHz DFT-s-OFDM $\pi/2$ BPSK – Low Channel)



Plot 7-115. Upper Band Edge Plot (NR Band n26 - 5MHz DFT-s-OFDM QPSK – High Channel)

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Plot 7-116. Lower Band Edge Plot (NR Band n26 - 10MHz DFT-s-OFDM $\pi/2$ BPSK – Mid Channel)



Plot 7-117. Upper Band Edge Plot (NR Band n26 - 10MHz DFT-s-OFDM $\pi/2$ BPSK – Mid Channel)

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7.5 Conducted Power Output Data

§2.1046 §90.635

Test Overview

Conducted power measurements are performed to measure the average output power of the EUT. The averaging is to be performed only over duration of active transmissions at maximum output power level. The average measurements do not include averaging over periods when the transmitter is quiescent or when operating at reduced power level.

Test Procedures Used

KDB 971168 D01 v03r01

Test Setup

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

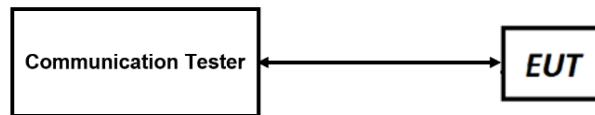



Figure 7-4. Conducted Power Measurement Setup

Test Notes

1. The EUT was tested in all possible test configurations. The worst case emissions are reported with the EUT modulations and channel bandwidth configurations shown in the tables below.

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Antenna 4

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [W]	Conducted Power Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	814.7	1 / 0	25.38	0.345	50.00	-24.62
		823.3	1 / 0	25.70	0.372	50.00	-24.30
	16-QAM	823.3	1 / 5	24.80	0.302	50.00	-25.20
	64-QAM	823.3	1 / 5	23.74	0.237	50.00	-26.26
	256-QAM	823.3	1 / 5	20.72	0.118	50.00	-29.28
3 MHz	QPSK	815.5	1 / 0	25.35	0.343	50.00	-24.65
		822.5	1 / 0	25.59	0.362	50.00	-24.41
	16-QAM	822.5	1 / 7	24.88	0.308	50.00	-25.12
	64-QAM	815.5	1 / 0	23.89	0.245	50.00	-26.11
	256-QAM	822.5	1 / 0	20.69	0.117	50.00	-29.31
5 MHz	QPSK	816.5	1 / 0	25.70	0.372	50.00	-24.30
		821.5	1 / 0	25.70	0.372	50.00	-24.30
	16-QAM	821.5	1 / 0	24.97	0.314	50.00	-25.03
	64-QAM	821.5	1 / 24	23.87	0.244	50.00	-26.13
	256-QAM	821.5	1 / 0	20.82	0.121	50.00	-29.18
10 MHz	QPSK	819.0	1 / 49	25.68	0.370	50.00	-24.32
	16-QAM	819.0	1 / 0	24.96	0.313	50.00	-25.04
	64-QAM	819.0	1 / 0	23.75	0.237	50.00	-26.25
	256-QAM	819.0	1 / 0	20.80	0.120	50.00	-29.20

Table 7-2. Conducted Output Data (LTE Band 26)

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [W]	Conducted Power Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	816.5	1 / 1	25.36	0.344	50.00	-24.64
		819.0	1 / 23	25.25	0.335	50.00	-24.75
		821.5	1 / 12	25.22	0.333	50.00	-24.78
	QPSK	816.5	1 / 12	25.33	0.342	50.00	-24.67
		819.0	1 / 1	25.33	0.342	50.00	-24.67
		821.5	1 / 12	25.36	0.343	50.00	-24.64
	16-QAM	819.0	1 / 12	24.34	0.272	50.00	-25.66
	64-QAM	816.5	1 / 12	23.34	0.216	50.00	-26.66
	256-QAM	816.5	1 / 23	21.10	0.129	50.00	-28.90
10 MHz	π/2 BPSK	819.0	1 / 48	25.27	0.337	50.00	-24.73
	QPSK	819.0	1 / 48	25.30	0.338	50.00	-24.70
	16-QAM	819.0	1 / 1	24.62	0.290	50.00	-25.38
	64-QAM	819.0	1 / 1	23.34	0.216	50.00	-26.66
	256-QAM	819.0	1 / 48	21.17	0.131	50.00	-28.83

Table 7-3. Conducted Output Data (NR Band n26)

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Antenna 3b

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [W]	Conducted Power Limit [dBm]	Margin [dB]
1.4 MHz	QPSK	814.7	1 / 0	25.02	0.318	50.00	-24.98
		823.3	1 / 0	25.20	0.331	50.00	-24.80
	16-QAM	823.3	1 / 5	24.42	0.277	50.00	-25.58
	64-QAM	814.7	1 / 0	23.39	0.218	50.00	-26.61
	256-QAM	823.3	1 / 3	20.32	0.108	50.00	-29.68
3 MHz	QPSK	815.5	1 / 0	25.05	0.320	50.00	-24.95
		822.5	1 / 14	25.19	0.330	50.00	-24.81
	16-QAM	822.5	1 / 7	24.49	0.281	50.00	-25.51
	64-QAM	815.5	1 / 0	23.39	0.218	50.00	-26.61
	256-QAM	822.5	1 / 14	20.30	0.107	50.00	-29.70
5 MHz	QPSK	816.5	1 / 0	25.20	0.331	50.00	-24.80
		821.5	1 / 24	25.20	0.331	50.00	-24.80
	16-QAM	816.5	1 / 0	24.53	0.284	50.00	-25.47
	64-QAM	821.5	1 / 0	23.46	0.222	50.00	-26.54
	256-QAM	816.5	1 / 0	20.35	0.108	50.00	-29.65
10 MHz	QPSK	819.0	1 / 0	25.18	0.330	50.00	-24.82
	16-QAM	819.0	1 / 49	24.41	0.276	50.00	-25.59
	64-QAM	819.0	1 / 0	23.38	0.218	50.00	-26.62
	256-QAM	819.0	1 / 49	20.31	0.107	50.00	-29.69

Table 7-4. Conducted Output Data (LTE Band 26)

Bandwidth	Modulation	Frequency [MHz]	RB Size/Offset	Conducted Power [dBm]	Conducted Power [W]	Conducted Power Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	816.5	1 / 1	24.96	0.313	50.00	-25.04
		819.0	1 / 12	25.02	0.318	50.00	-24.98
		821.5	1 / 1	25.07	0.321	50.00	-24.93
	QPSK	816.5	1 / 12	24.96	0.313	50.00	-25.04
		819.0	1 / 12	25.04	0.319	50.00	-24.96
		821.5	1 / 23	25.07	0.321	50.00	-24.93
	16-QAM	819.0	1 / 12	23.95	0.248	50.00	-26.05
	64-QAM	821.5	1 / 1	22.85	0.193	50.00	-27.15
	256-QAM	816.5	1 / 1	20.72	0.118	50.00	-29.28
	10 MHz	$\pi/2$ BPSK	819.0	1 / 25	25.02	0.318	50.00
QPSK		819.0	1 / 25	24.94	0.312	50.00	-25.06
16-QAM		819.0	1 / 25	24.14	0.259	50.00	-25.86
64-QAM		819.0	1 / 1	23.06	0.202	50.00	-26.94
256-QAM		819.0	1 / 1	20.81	0.120	50.00	-29.19

Table 7-5. Conducted Output Data (NR Band n26)

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7.6 Radiated Power (ERP) §90.542(a)(7)

Test Overview

Effective Radiated Power (ERP) measurements are calculated by adding highest antenna gain to maximum measured conducted output power. All measurements are performed as RMS average 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 v03r01 – Section 5.2.1
ANSI C63.26-2015
TIA-603-E-2016 – Section 2.2.17

Test Settings

The relevant equation for determining the ERP from the conducted RF output power measured is:

$$ERP = P_{Meas} - LC + GT$$

Where:

ERP = Effective Radiated Power (expressed in the same units as P_{Meas}, typically dBW or dBm)

P_{Meas} = measured transmitter output power or PSD, in dBW or dBm

LC = signal attenuation in the connecting cable between the transmitter and antenna in dB

GT = gain of the transmitting antenna, in dBd (ERP)

Test Setup

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

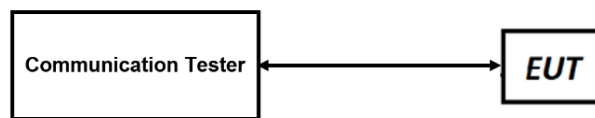




Figure 7-5. ERP Measurement Setup

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Test Notes

- 1) The worst case emissions are reported with the modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) The Level (dBm) readings in the table were taken with a correction table loaded into the base station simulator. The correction table was used to account for the signal attenuation in the connecting cable between the transmitter and antenna.
- 4) The Ant. Gains (GT) are listed in dBi.

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Antenna 4

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [W]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	790.5	-1.20	1 / 0	25.70	22.35	0.172	34.77	-12.42
		793.0	-1.20	1 / 0	25.68	22.33	0.171	34.77	-12.44
		795.5	-1.20	1 / 0	25.69	22.34	0.171	34.77	-12.43
	16-QAM	793.0	-1.20	1 / 0	25.10	21.75	0.150	34.77	-13.02
	64-QAM	793.0	-1.20	1 / 0	24.08	20.73	0.118	34.77	-14.04
	256-QAM	790.5	-1.20	1 / 0	20.95	17.60	0.058	34.77	-17.17
10 MHz	QPSK	793.0	-1.20	1 / 0	25.55	22.20	0.166	34.77	-12.57
	16-QAM	793.0	-1.20	1 / 49	25.04	21.69	0.148	34.77	-13.08
	64-QAM	793.0	-1.20	1 / 25	23.86	20.51	0.112	34.77	-14.26
	256-QAM	793.0	-1.20	1 / 0	20.74	17.39	0.055	34.77	-17.38

Table 7-6. Conducted Output Data (LTE Band 14)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [W]	ERP Limit [dBm]	Margin [dB]
5 MHz	π/2 BPSK	790.5	-1.20	1 / 1	25.64	22.29	0.169	34.77	-12.48
		793.0	-1.20	1 / 12	25.69	22.34	0.171	34.77	-12.43
		795.5	-1.20	1 / 12	25.64	22.29	0.170	34.77	-12.48
	QPSK	790.5	-1.20	1 / 12	25.69	22.34	0.171	34.77	-12.43
		793.0	-1.20	1 / 12	25.70	22.35	0.172	34.77	-12.42
		795.5	-1.20	1 / 1	25.69	22.34	0.171	34.77	-12.43
	16-QAM	795.5	-1.20	1 / 1	24.91	21.56	0.143	34.77	-13.21
	64-QAM	795.5	-1.20	1 / 12	23.13	19.78	0.095	34.77	-14.99
256-QAM	793.0	-1.20	1 / 6	21.07	17.72	0.059	34.77	-17.05	
10 MHz	π/2 BPSK	793.0	-1.20	1 / 1	25.62	22.27	0.169	34.77	-12.50
	QPSK	793.0	-1.20	1 / 25	25.70	22.35	0.172	34.77	-12.42
	16-QAM	793.0	-1.20	1 / 48	24.83	21.48	0.141	34.77	-13.29
	64-QAM	793.0	-1.20	1 / 25	23.16	19.81	0.096	34.77	-14.96
	256-QAM	793.0	-1.20	1 / 25	21.07	17.72	0.059	34.77	-17.05

Table 7-7. Conducted Output Data (NR Band n14)

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Antenna 3b

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [W]	ERP Limit [dBm]	Margin [dB]
5 MHz	QPSK	790.5	-2.10	1 / 0	25.17	20.92	0.124	34.77	-13.85
		793.0	-2.10	1 / 0	25.04	20.79	0.120	34.77	-13.98
		795.5	-2.10	1 / 0	24.92	20.67	0.117	34.77	-14.10
	16-QAM	793.0	-2.10	1 / 0	24.35	20.10	0.102	34.77	-14.67
	64-QAM	793.0	-2.10	1 / 12	23.26	19.01	0.080	34.77	-15.76
	256-QAM	793.0	-2.10	1 / 0	20.18	15.93	0.039	34.77	-18.84
10 MHz	QPSK	793.0	-2.10	1 / 0	24.94	20.69	0.117	34.77	-14.08
	16-QAM	793.0	-2.10	1 / 25	24.25	20.00	0.100	34.77	-14.77
	64-QAM	793.0	-2.10	1 / 25	23.07	18.82	0.076	34.77	-15.95
	256-QAM	793.0	-2.10	1 / 0	20.12	15.87	0.039	34.77	-18.90

Table 7-8. Conducted Output Data (LTE Band 14)

Bandwidth	Mod.	Frequency [MHz]	Ant. Gain [dBi]	RB Size/Offset	Conducted Power [dBm]	ERP [dBm]	ERP [W]	ERP Limit [dBm]	Margin [dB]
5 MHz	$\pi/2$ BPSK	790.5	-2.10	1 / 1	25.11	20.86	0.122	34.77	-13.91
		793.0	-2.10	1 / 1	25.05	20.80	0.120	34.77	-13.97
		795.5	-2.10	1 / 1	25.02	20.77	0.119	34.77	-14.00
	QPSK	790.5	-2.10	1 / 1	25.14	20.89	0.123	34.77	-13.88
		793.0	-2.10	1 / 12	25.14	20.89	0.123	34.77	-13.88
		795.5	-2.10	1 / 1	25.11	20.86	0.122	34.77	-13.91
16-QAM	795.5	-2.10	1 / 12	24.36	20.11	0.103	34.77	-14.66	
64-QAM	793.0	-2.10	1 / 1	22.75	18.50	0.071	34.77	-16.27	
256-QAM	790.5	-2.10	1 / 12	20.68	16.43	0.044	34.77	-18.34	
10 MHz	$\pi/2$ BPSK	793.0	-2.10	1 / 1	25.13	20.88	0.122	34.77	-13.89
	QPSK	793.0	-2.10	1 / 1	25.15	20.90	0.123	34.77	-13.87
	16-QAM	793.0	-2.10	1 / 1	24.35	20.10	0.102	34.77	-14.67
	64-QAM	793.0	-2.10	1 / 1	22.71	18.46	0.070	34.77	-16.31
	256-QAM	793.0	-2.10	1 / 1	20.57	16.32	0.043	34.77	-18.46

Table 7-9. Conducted Output Data (NR Band n14)

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7.7 Radiated Spurious Emissions
§2.1053 §90.691(a) §90.543(e)

Test Overview

Radiated spurious emissions measurements are performed using the field strength conversion method described in KDB 971168 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically polarized broadband hybrid antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas. All measurements are performed while the EUT is operating at maximum power and at the appropriate frequencies.

Test Procedures Used


KDB 971168 D01 v03r01 – Section 5.8

ANSI C63.26-2015

TIA-603-E-2016 – Section 2.2.12

Test Settings

1. RBW = 100kHz for emissions below 1GHz and 1MHz for emissions above 1GHz
2. VBW \geq 3 x RBW
3. Span = 1.5 times the OBW
4. No. of sweep points \geq 2 x span / RBW
5. Detector = RMS
6. Trace mode = Average (Max Hold for pulsed emissions)
7. 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.

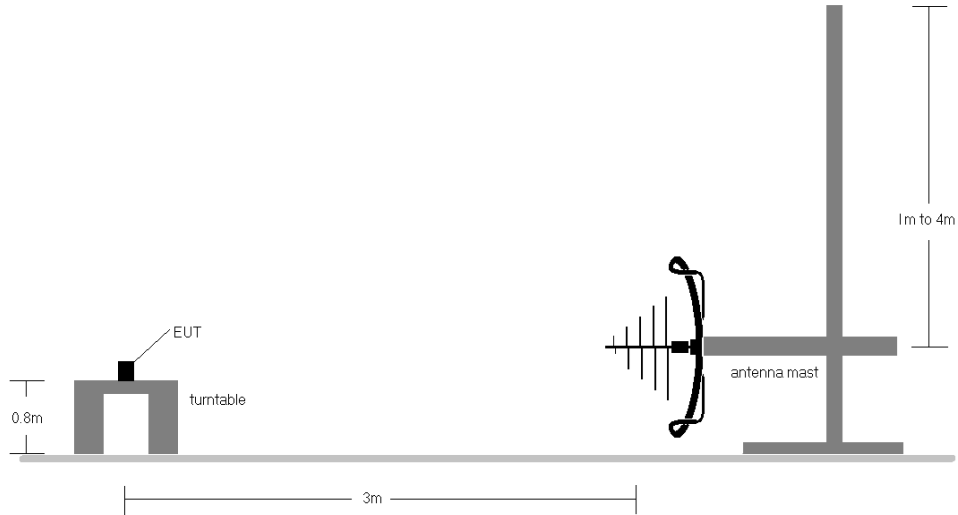


Figure 7-6. Test Instrument & Measurement Setup < 1GHz

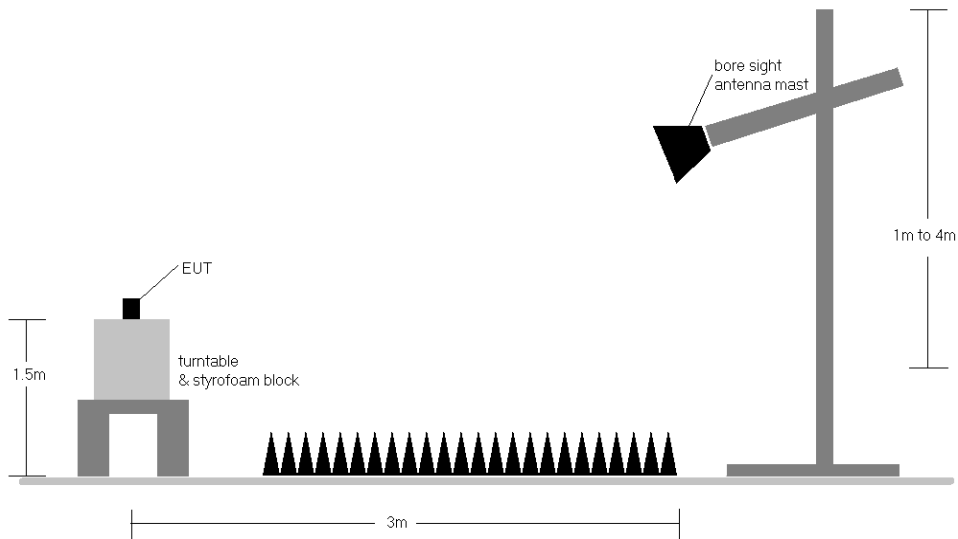




Figure 7-7. Test Instrument & Measurement Setup >1 GHz

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Test Notes

1. Field strengths are calculated using the Measurement quantity conversions in KDB 971168 Section 5.8.4.
 - a. $E(\text{dB}\mu\text{V}/\text{m}) = \text{Measured amplitude level (dBm)} + 107 + \text{Cable Loss (dB)} + \text{Antenna Factor (dB/m)}$
 - b. $\text{EIRP (dBm)} = E(\text{dB}\mu\text{V}/\text{m}) + 20\log D - 104.8$; where D is the measurement distance in meters.
2. The device was tested under all modulations, RB sizes and offsets, and channel bandwidth configurations and the worst case emissions are reported with 1 RB.
3. This unit was tested with its standard battery.
4. The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case setup is reported in the tables below.
5. The "-" shown in the following RSE tables are used to denote a noise floor measurement.

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7.7.1 Antenna 4 – Radiated Spurious Emission Measurements

LTE Band 26

Bandwidth (MHz):	5
Frequency (MHz):	816.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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]
1633.0	H	-	-	-73.35	-5.19	28.46	-66.77	-13.00	-53.77
2449.5	H	-	-	-74.76	-0.66	31.58	-63.65	-13.00	-50.65
3266.0	H	-	-	-75.92	1.27	32.35	-62.88	-13.00	-49.88
4082.5	H	-	-	-77.04	3.19	33.15	-62.08	-13.00	-49.08

Table 7-10. Antenna 4 Radiated Spurious Data (LTE Band 26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 25


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]
1638.0	H	-	-	-73.40	-5.16	28.44	-66.79	-13.00	-53.79
2457.0	H	-	-	-74.63	-0.69	31.68	-63.55	-13.00	-50.55
3276.0	H	-	-	-75.95	1.39	32.44	-62.79	-13.00	-49.79
4095.0	H	-	-	-77.14	3.13	32.99	-62.24	-13.00	-49.24

Table 7-11. Antenna 4 Radiated Spurious Data (LTE Band 26 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	821.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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]
1643.0	H	-	-	-72.59	-5.13	29.28	-65.95	-13.00	-52.95
2464.5	H	-	-	-73.85	-0.71	32.44	-62.79	-13.00	-49.79
3286.0	H	-	-	-75.52	1.53	33.01	-62.22	-13.00	-49.22
4107.5	H	-	-	-76.68	3.11	33.43	-61.80	-13.00	-48.80

Table 7-12. Antenna 4 Radiated Spurious Data (LTE Band 26 – High Channel)

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 14

Bandwidth (MHz):	5
Frequency (MHz):	790.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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]
1581.0	H	181	337	-70.06	-5.38	31.56	-63.67	-40.00	-23.67
2371.5	H	-	-	-73.60	-0.28	33.12	-62.11	-13.00	-49.11
3162.0	H	-	-	-75.00	0.96	32.96	-62.27	-13.00	-49.27
3952.5	H	-	-	-76.37	2.54	33.17	-62.06	-13.00	-49.06

Table 7-13. Antenna 4 Radiated Spurious Data (LTE Band 14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 25


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]
1586.0	H	146	341	-68.05	-5.39	33.56	-61.67	-40.00	-21.67
2379.0	H	-	-	-73.60	-0.30	33.10	-62.13	-13.00	-49.13
3172.0	H	-	-	-75.17	0.88	32.71	-62.52	-13.00	-49.52
3965.0	H	-	-	-76.45	2.59	33.14	-62.09	-13.00	-49.09

Table 7-14. Antenna 4 Radiated Spurious Data (LTE Band 14 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	795.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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]
1591.0	H	167	341	-68.89	-5.39	32.72	-62.51	-40.00	-22.51
2386.5	H	-	-	-73.84	-0.35	32.81	-62.42	-13.00	-49.42
3182.0	H	-	-	-75.19	0.82	32.63	-62.60	-13.00	-49.60
3977.5	H	-	-	-76.55	2.64	33.09	-62.14	-13.00	-49.14

Table 7-15. Antenna 4 Radiated Spurious Data (LTE Band 14 – High Channel)

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n14

Bandwidth (MHz):	5
Frequency (MHz):	790.5
Modulation Signal:	QPSK
RB / Offset:	1 / 12

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]
1581.0	H	-	-	-72.06	-5.38	29.56	-65.67	-13.00	-52.67
2371.5	H	-	-	-73.62	-0.28	33.10	-62.13	-13.00	-49.13
3162.0	H	-	-	-74.82	0.96	33.14	-62.09	-13.00	-49.09

Table 7-16. Antenna 4 Radiated Spurious Data (NR Band n14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
Modulation Signal:	QPSK
RB / Offset:	1 / 25


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]
1586.0	H	312	343	-68.20	-5.39	33.41	-61.82	-13.00	-48.82
2379.0	H	-	-	-73.56	-0.30	33.14	-62.09	-13.00	-49.09
3172.0	H	-	-	-75.11	0.88	32.77	-62.46	-13.00	-49.46
3965.0	H	-	-	-76.57	2.59	33.02	-62.21	-13.00	-49.21

Table 7-17. Antenna 4 Radiated Spurious Data (NR Band n14 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	795.5
Modulation Signal:	QPSK
RB / Offset:	1 / 12

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]
1591.0	H	236	80	-70.35	-5.39	31.26	-63.97	-13.00	-50.97
2386.5	H	-	-	-73.66	-0.35	32.99	-62.24	-13.00	-49.24
3182.0	H	-	-	-75.29	0.82	32.53	-62.70	-13.00	-49.70
3977.5	H	-	-	-76.49	2.64	33.15	-62.08	-13.00	-49.08

Table 7-18. Antenna 4 Radiated Spurious Data (NR Band n14 – High Channel)

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n26

Bandwidth (MHz):	5
Frequency (MHz):	816.5
Modulation Signal:	QPSK
RB / Offset:	1 / 12

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]
1633.0	H	-	-	-72.62	-5.19	29.19	-66.04	-13.00	-53.04
2449.5	H	-	-	-73.80	-0.66	32.54	-62.69	-13.00	-49.69
3266.0	H	-	-	-75.47	1.27	32.80	-62.43	-13.00	-49.43

Table 7-19. Antenna 4 Radiated Spurious Data (NR Band n26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
Modulation Signal:	QPSK
RB / Offset:	1 / 25


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]
1638.0	H	-	-	-72.41	-5.16	29.43	-65.80	-13.00	-52.80
2457.0	H	-	-	-74.00	-0.69	32.31	-62.92	-13.00	-49.92
3276.0	H	-	-	-75.47	1.39	32.92	-62.31	-13.00	-49.31

Table 7-20. Antenna 4 Radiated Spurious Data (NR Band n26 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	821.5
Modulation Signal:	QPSK
RB / Offset:	1 / 12

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]
1643.0	H	-	-	-72.20	-5.13	29.67	-65.56	-13.00	-52.56
2464.5	H	-	-	-73.87	-0.71	32.42	-62.81	-13.00	-49.81
3286.0	H	-	-	-75.55	1.53	32.98	-62.25	-13.00	-49.25

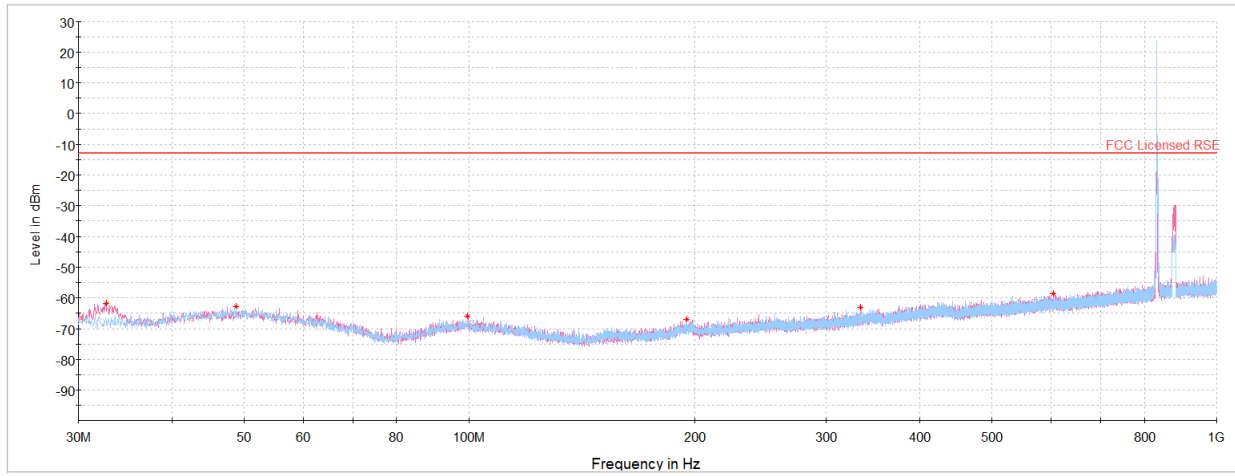
Table 7-21. Antenna 4 Radiated Spurious Data (NR Band n26 – High Channel)

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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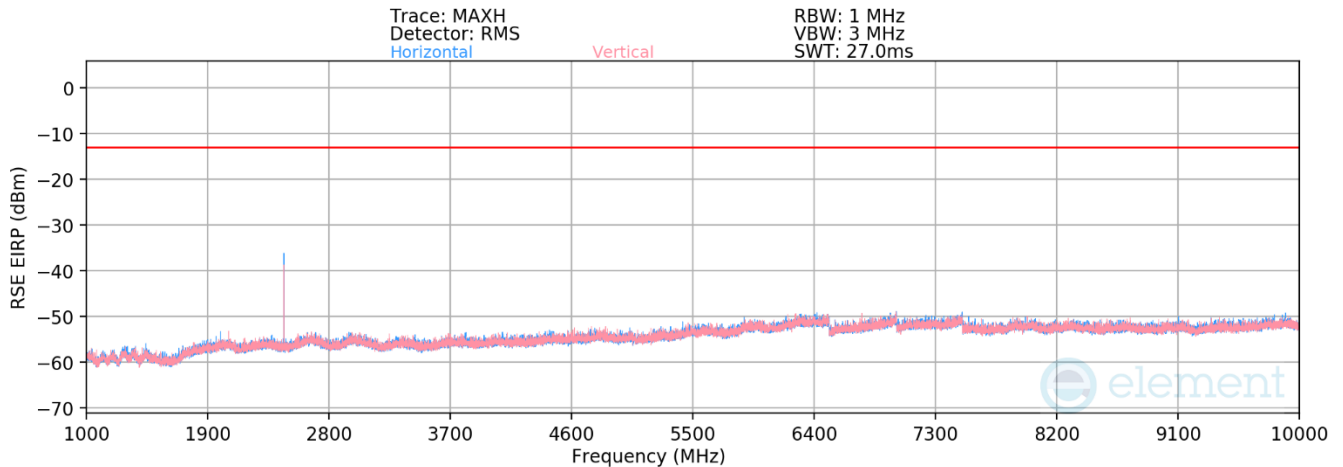
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7.7.2 Antenna 3b – Radiated Spurious Emission Measurements


LTE Band 26



Plot 7-118. Antenna 4 Radiated Spurious Plot Below 1GHz (LTE Band 26)



Plot 7-119. Antenna 4 Radiated Spurious Plot Above 1GHz (LTE Band 26)

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	5
Frequency (MHz):	816.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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]
1633.0	V	102	222	-69.05	-5.19	32.76	-62.47	-13.00	-49.47
2449.5	V	160	233	-55.53	-0.66	50.81	-44.42	-13.00	-31.42
3266.0	V	-	-	-75.44	1.27	32.83	-62.40	-13.00	-49.40
4082.5	V	-	-	-76.87	3.19	33.32	-61.91	-13.00	-48.91
4899.0	V	-	-	-76.99	4.66	34.67	-60.56	-13.00	-47.56

Table 7-22. Antenna 3b Radiated Spurious Data (LTE Band 26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 25


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]
1638.0	V	222	170	-69.72	-5.16	32.12	-63.11	-13.00	-50.11
2457.0	V	174	135	-56.05	-0.69	50.26	-44.97	-13.00	-31.97
3276.0	V	-	-	-75.39	1.39	33.00	-62.23	-13.00	-49.23
4095.0	V	-	-	-76.59	3.13	33.54	-61.69	-13.00	-48.69
4914.0	V	-	-	-76.95	4.56	34.61	-60.62	-13.00	-47.62

Table 7-23. Antenna 3b Radiated Spurious Data (LTE Band 26 – Mid Channel)

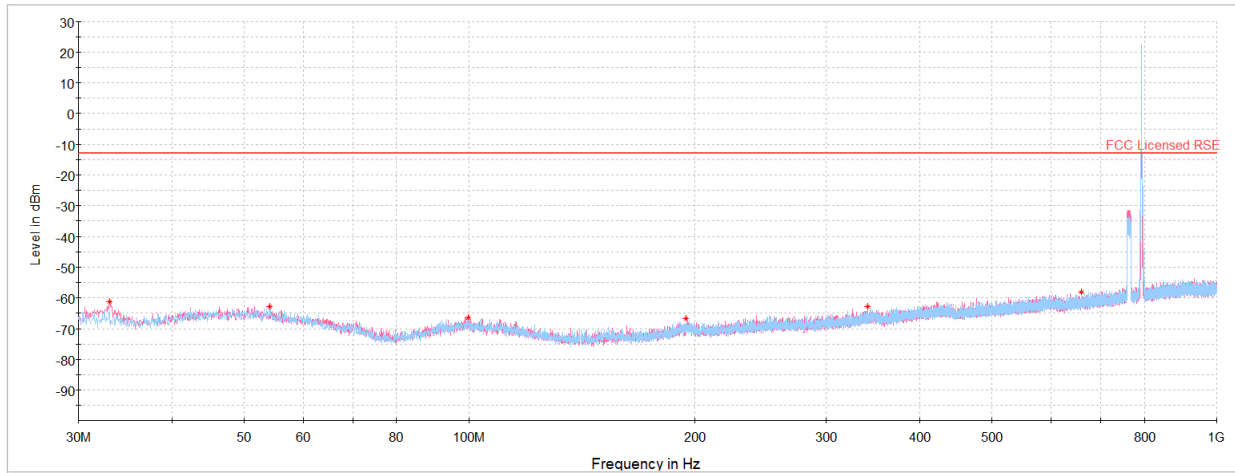
Bandwidth (MHz):	5
Frequency (MHz):	821.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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]
1643.0	V	115	221	-69.15	-5.13	32.72	-62.51	-13.00	-49.51
2464.5	V	153	240	-51.03	-0.71	55.26	-39.97	-13.00	-26.97
3286.0	V	-	-	-75.53	1.53	33.00	-62.23	-13.00	-49.23
4107.5	V	-	-	-76.79	3.11	33.32	-61.91	-13.00	-48.91
4929.0	V	-	-	-76.94	4.45	34.51	-60.72	-13.00	-47.72

Table 7-24. Antenna 3b Radiated Spurious Data (LTE Band 26 – High Channel)

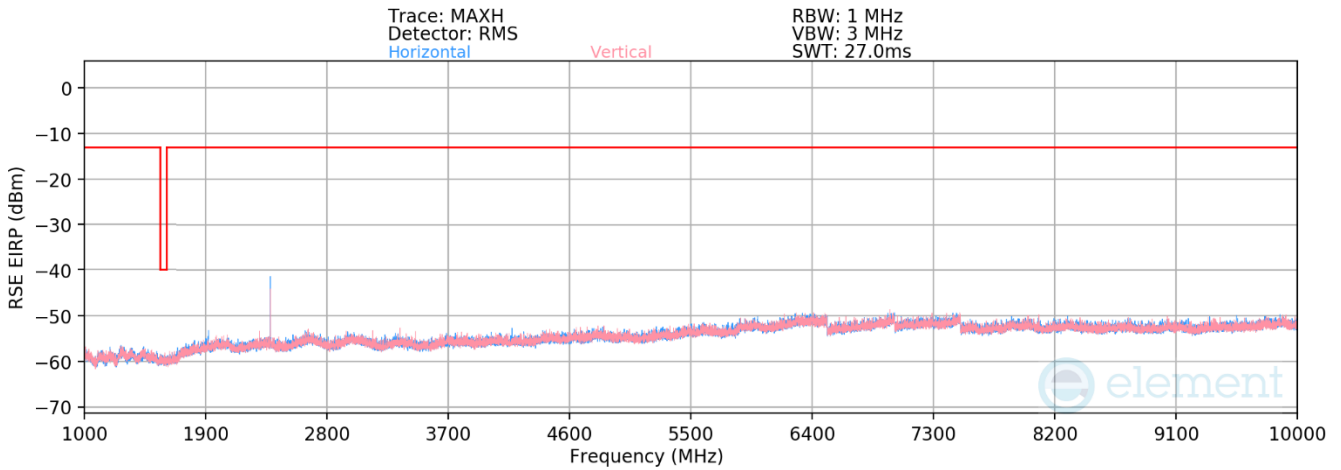
FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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LTE Band 14




Preview Result 1V-RMS Preview Result 1H-RMS Critical_Freqs RMS FCC Licensed RSE Final_Result RMS

Plot 7-120. Antenna 3b Radiated Spurious Plot Below 1GHz (LTE Band 14)



Plot 7-121. Antenna 3b Radiated Spurious Plot Above 1GHz (LTE Band 14)

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	5
Frequency (MHz):	790.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 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]
1581.0	H	-	-	-72.51	-5.38	29.11	-66.12	-40.00	-26.12
2371.5	H	117	163	-58.38	-0.28	48.34	-46.89	-13.00	-33.89
3162.0	H	-	-	-74.94	0.96	33.02	-62.21	-13.00	-49.21
3952.5	H	-	-	-76.45	2.54	33.09	-62.14	-13.00	-49.14
4743.0	H	-	-	-77.57	4.60	34.03	-61.20	-13.00	-48.20

Table 7-25. Antenna 3b Radiated Spurious Data (LTE Band 14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 25


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]
1586.0	H	-	-	-72.45	-5.39	29.16	-66.07	-40.00	-26.07
2379.0	H	132	236	-56.21	-0.30	50.49	-44.74	-13.00	-31.74
3172.0	H	-	-	-75.15	0.88	32.73	-62.50	-13.00	-49.50
3965.0	H	-	-	-76.66	2.59	32.93	-62.30	-13.00	-49.30
4758.0	H	-	-	-77.92	4.75	33.83	-61.40	-13.00	-48.40

Table 7-26. Antenna 3b Radiated Spurious Data (LTE Band 14 – Mid Channel)

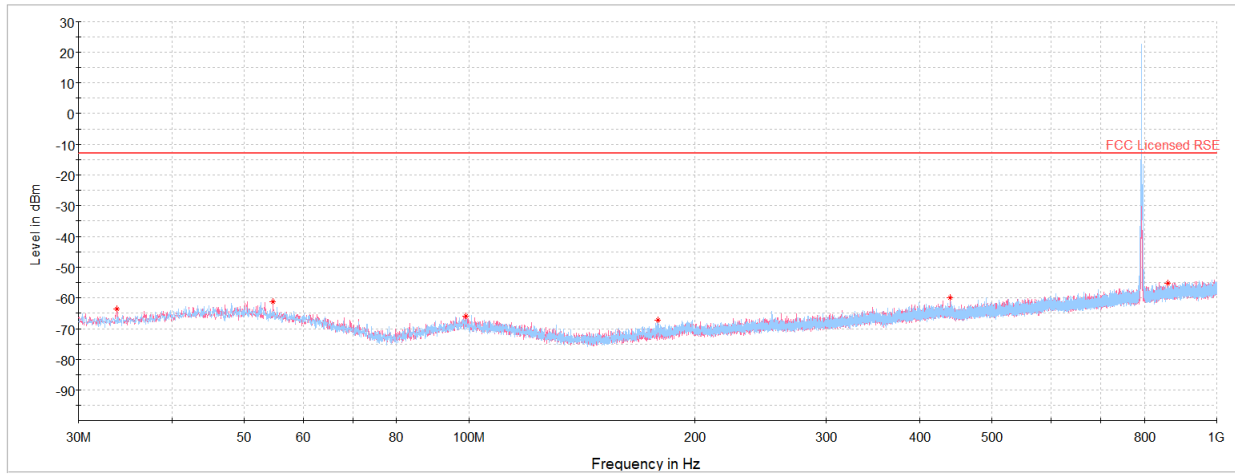
Bandwidth (MHz):	5
Frequency (MHz):	795.5
Modulation Signal:	QPSK
RB Config (Size / Offset):	1 / 12

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]
1591.0	H	-	-	-72.50	-5.39	29.11	-66.12	-40.00	-26.12
2386.5	H	264	166	-59.03	-0.35	47.62	-47.61	-13.00	-34.61
3182.0	H	-	-	-75.36	0.82	32.46	-62.77	-13.00	-49.77
3977.5	H	-	-	-76.59	2.64	33.05	-62.18	-13.00	-49.18
4773.0	H	-	-	-77.93	4.88	33.95	-61.28	-13.00	-48.28

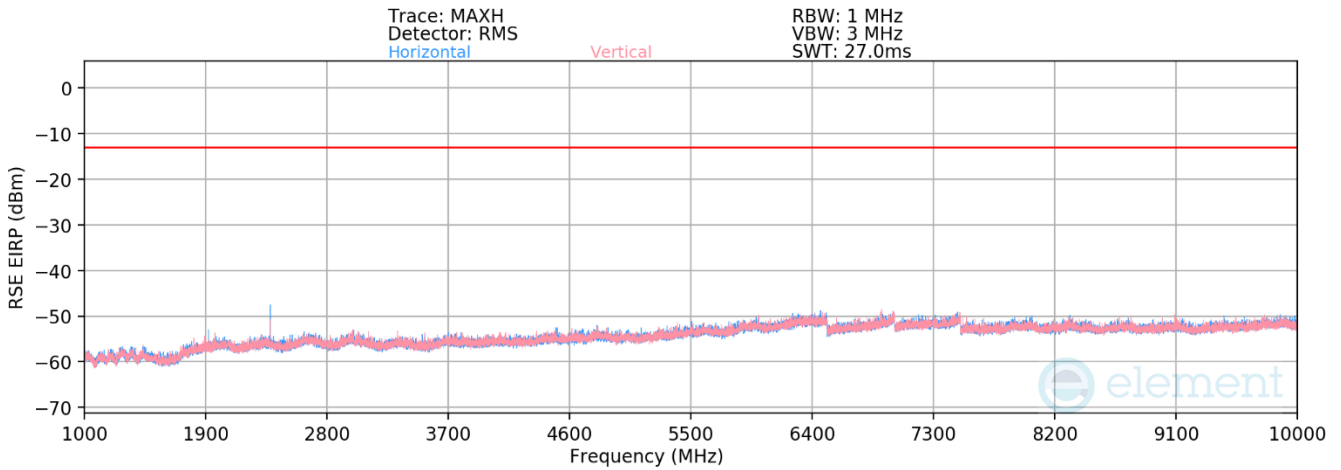
Table 7-27. Antenna 3b Radiated Spurious Data (LTE Band 14 – High Channel)

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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NR Band n14



Plot 7-122. Antenna 3b Radiated Spurious Plot Below 1GHz (NR Band n14)



Plot 7-123. Antenna 3b Radiated Spurious Plot Above 1GHz (NR Band n14)

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
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Bandwidth (MHz):	5
Frequency (MHz):	790.5
Modulation Signal:	QPSK
RB / Offset:	1 / 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]
1581.0	H	-	-	-72.43	-5.38	29.19	-66.04	-13.00	-53.04
2371.5	H	194	170	-68.93	-0.28	37.79	-57.44	-13.00	-44.44
3162.0	H	-	-	-75.02	0.96	32.94	-62.29	-13.00	-49.29
3952.5	H	-	-	-76.58	2.54	32.96	-62.27	-13.00	-49.27
4743.0	H	-	-	-77.39	4.60	34.21	-61.02	-13.00	-48.02

Table 7-28. Antenna 3b Radiated Spurious Data (NR Band n14 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	793.0
Modulation Signal:	QPSK
RB / Offset:	1 / 25


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]
1586.0	H	-	-	-72.12	-5.39	29.49	-65.74	-13.00	-52.74
2379.0	H	194	167	-69.29	-0.30	37.41	-57.82	-13.00	-44.82
3172.0	H	-	-	-75.07	0.88	32.81	-62.42	-13.00	-49.42
3965.0	H	-	-	-76.53	2.59	33.06	-62.17	-13.00	-49.17
4758.0	H	-	-	-77.81	4.75	33.94	-61.29	-13.00	-48.29

Table 7-29. Antenna 3b Radiated Spurious Data (NR Band n14 – Mid Channel)

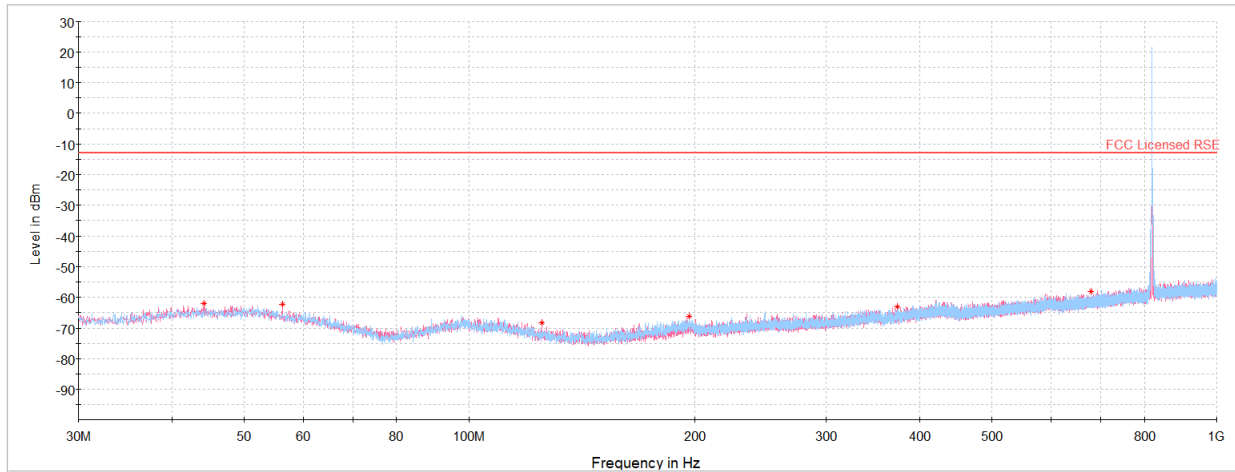
Bandwidth (MHz):	5
Frequency (MHz):	795.5
Modulation Signal:	QPSK
RB / Offset:	1 / 12

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]
1591.0	H	-	-	-72.21	-5.39	29.40	-65.83	-13.00	-52.83
2386.5	H	257	173	-68.87	-0.35	37.78	-57.45	-13.00	-44.45
3182.0	H	-	-	-75.21	0.82	32.61	-62.62	-13.00	-49.62
3977.5	H	-	-	-76.45	2.64	33.19	-62.04	-13.00	-49.04
4773.0	H	-	-	-78.00	4.88	33.88	-61.35	-13.00	-48.35

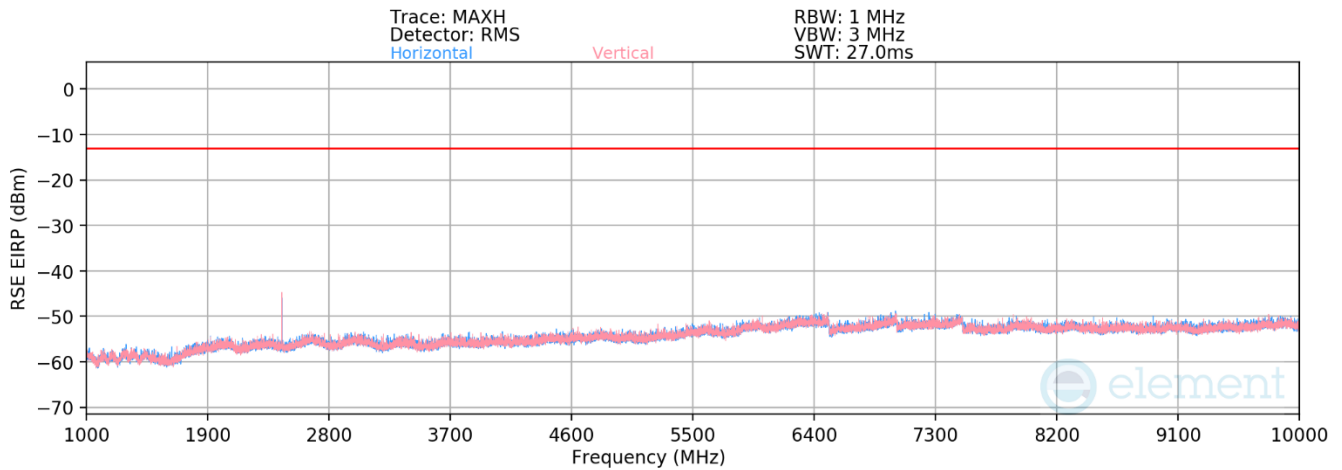
Table 7-30. Antenna 3b Radiated Spurious Data (NR Band n14 – High Channel)

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NR Band n26



Plot 7-124. Antenna 3b Radiated Spurious Plot Below 1GHz (NR Band n26)



Plot 7-125. Antenna 3b Radiated Spurious Plot Above 1GHz (NR Band n26)

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Bandwidth (MHz):	5
Frequency (MHz):	816.5
Modulation Signal:	QPSK
RB / Offset:	1 / 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]
1633.0	H	-	-	-72.63	-5.19	29.18	-66.05	-13.00	-53.05
2449.5	H	146	170	-61.93	-0.66	44.41	-50.82	-13.00	-37.82
3266.0	H	-	-	-75.34	1.27	32.93	-62.30	-13.00	-49.30
4082.5	H	-	-	-76.60	3.19	33.59	-61.64	-13.00	-48.64
4899.0	H	-	-	-76.92	4.66	34.74	-60.49	-13.00	-47.49

Table 7-31. Antenna 3b Radiated Spurious Data (NR Band n26 – Low Channel)

Bandwidth (MHz):	10
Frequency (MHz):	819.0
Modulation Signal:	QPSK
RB / Offset:	1 / 25


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]
1638.0	H	-	-	-72.44	-5.16	29.40	-65.83	-13.00	-52.83
2457.0	H	194	173	-62.84	-0.69	43.47	-51.76	-13.00	-38.76
3276.0	H	-	-	-75.46	1.39	32.93	-62.30	-13.00	-49.30
4095.0	H	-	-	-76.77	3.13	33.36	-61.87	-13.00	-48.87
4914.0	H	-	-	-76.88	4.56	34.68	-60.55	-13.00	-47.55

Table 7-32. Antenna 3b Radiated Spurious Data (NR Band n26 – Mid Channel)

Bandwidth (MHz):	5
Frequency (MHz):	821.5
Modulation Signal:	QPSK
RB / Offset:	1 / 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]
1643.0	H	-	-	-72.53	-5.13	29.34	-65.89	-13.00	-52.89
2464.5	H	201	251	-65.87	-0.71	40.42	-54.81	-13.00	-41.81
3286.0	H	-	-	-75.60	1.53	32.93	-62.30	-13.00	-49.30
4107.5	H	-	-	-76.77	3.11	33.34	-61.89	-13.00	-48.89
4929.0	H	-	-	-77.01	4.45	34.44	-60.79	-13.00	-47.79

Table 7-33. Antenna 3b Radiated Spurious Data (NR Band n26 – High Channel)

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7.8 Frequency Stability / Temperature Variation

§2.1055 §90.213

Test Overview and Limit

Frequency stability testing is performed in accordance with the guidelines of ANSI C63.26-2015 and 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 Band 26, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For Band 14 the frequency stability shall be sufficient to ensure that the fundamental emission stays within the authorized frequency block.

Test Procedure Used

ANSI C63.26-2015

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

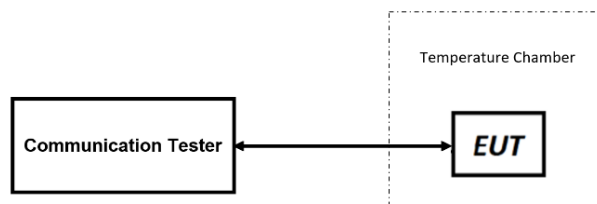



Figure 7-8. Test Instrument & Measurement Setup

Test Notes

All ports were tested and only the worst case data were reported.


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Frequency Stability / Temperature Variation

LTE Band 26					
		Operating Frequency (GHz):		0.819	
		Ref. Voltage (VDC):		3.80	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (GHz)	Freq. Dev. (GHz)	Deviation (%)
100 %	3.80	- 30	0.818999979	-0.000000021	-0.000002564
		- 20	0.818999963	-0.000000037	-0.000004518
		- 10	0.819000042	0.000000042	0.000005128
		0	0.819000025	0.000000025	0.000003053
		+ 10	0.819000030	0.000000030	0.000003663
		+ 20 (Ref)	0.818999967	-0.000000033	-0.000004029
		+ 30	0.818999965	-0.000000035	-0.000004274
		+ 40	0.819000024	0.000000024	0.000002930
		+ 50	0.819000031	0.000000031	0.000003785
Battery Endpoint	3.40	+ 20	0.818999977	-0.000000023	-0.000002808

Table 7-34. LTE Band 26 Frequency Stability Data

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LTE Band 14				
Operating Band Lower Boundary (GHz)			0.788	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.788376353	-0.000376353
		- 20	0.788377348	-0.000377348
		- 10	0.788376167	-0.000376167
		0	0.788378725	-0.000378725
		+ 10	0.788375589	-0.000375589
		+ 20 (Ref)	0.788376092	-0.000376092
		+ 30	0.788375817	-0.000375817
		+ 40	0.788377043	-0.000377043
		+ 50	0.788375752	-0.000375752
Battery Endpoint	3.40	+ 20	0.788371668	-0.000371668

Table 7-35. LTE Band 14 Lower Boundary Frequency Stability Data

LTE Band 14				
Operating Band Upper Boundary (GHz)			0.798	
Ref. Voltage (VDC):			3.80	
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.797645124	-0.000354876
		- 20	0.797647140	-0.000352860
		- 10	0.797646236	-0.000353764
		0	0.797647332	-0.000352668
		+ 10	0.797646185	-0.000353815
		+ 20 (Ref)	0.797647239	-0.000352761
		+ 30	0.797647112	-0.000352888
		+ 40	0.797646238	-0.000353762
		+ 50	0.797646734	-0.000353266
Battery Endpoint	3.40	+ 20	0.797647125	-0.000352875

Table 7-36. LTE Band 14 Upper Boundary Frequency Stability Data


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NR Band n14				
Operating Band Lower Boundary (GHz)		0.788		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.788564888	-0.000564888
		- 20	0.788566597	-0.000566597
		- 10	0.788567597	-0.000567597
		0	0.788564476	-0.000564476
		+ 10	0.788565587	-0.000565587
		+ 20 (Ref)	0.788567808	-0.000567808
		+ 30	0.788565587	-0.000565587
		+ 40	0.788560453	-0.000560453
Battery Endpoint	3.40	+ 20	0.788564367	-0.000564367

Table 7-37. NR Band n14 Lower Boundary Frequency Stability Data


NR Band n14				
Operating Band Upper Boundary (GHz)		0.798		
Ref. Voltage (VDC):		3.80		
Voltage (%)	Power (VDC)	Temp (°C)	Measured Freq. (GHz)	Freq. Delta from Operating Range (GHz)
100 %	3.80	- 30	0.797733851	-0.000266149
		- 20	0.797731953	-0.000268047
		- 10	0.797731985	-0.000268015
		0	0.797732836	-0.000267164
		+ 10	0.797733856	-0.000266144
		+ 20 (Ref)	0.797734851	-0.000265149
		+ 30	0.797734852	-0.000265148
		+ 40	0.797735854	-0.000264146
Battery Endpoint	3.40	+ 20	0.797735850	-0.000264150

Table 7-38. NR Band n14 Upper Boundary Frequency Stability Data

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NR Band n26					
		Operating Frequency (GHz):		0.819	
		Ref. Voltage (VDC):		3.80	
		Deviation Limit:		± 0.00025% or 2.5 ppm	
Voltage (%)	Power (VDC)	Temp (°C)	Frequency (GHz)	Freq. Dev. (GHz)	Deviation (%)
100 %	3.80	- 30	0.819000037	0.000000037	0.000004518
		- 20	0.819000025	0.000000025	0.000003053
		- 10	0.818999959	-0.000000041	-0.000005006
		0	0.818999981	-0.000000019	-0.000002320
		+ 10	0.819000032	0.000000032	0.000003907
		+ 20 (Ref)	0.819000043	0.000000043	0.000005250
		+ 30	0.818999974	-0.000000026	-0.000003175
		+ 40	0.818999988	-0.000000012	-0.000001465
		+ 50	0.819000033	0.000000033	0.000004029
Battery Endpoint	3.40	+ 20	0.819000047	0.000000047	0.000005739

Table 7-39. NR Band n26 Frequency Stability Data

FCC ID: BCGA2903	 PART 90 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 **Apple Tablet Device FCC ID: BCGA2903** complies with all the requirements of Part 90 of the FCC rules.

FCC ID: BCGA2903	 PART 90 MEASUREMENT REPORT	Approved by: Technical Manager
Test Report S/N: 1C2311270064-14.BCG	Test Dates: 10/1/2023 - 2/13/2024	EUT Type: Tablet Device
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