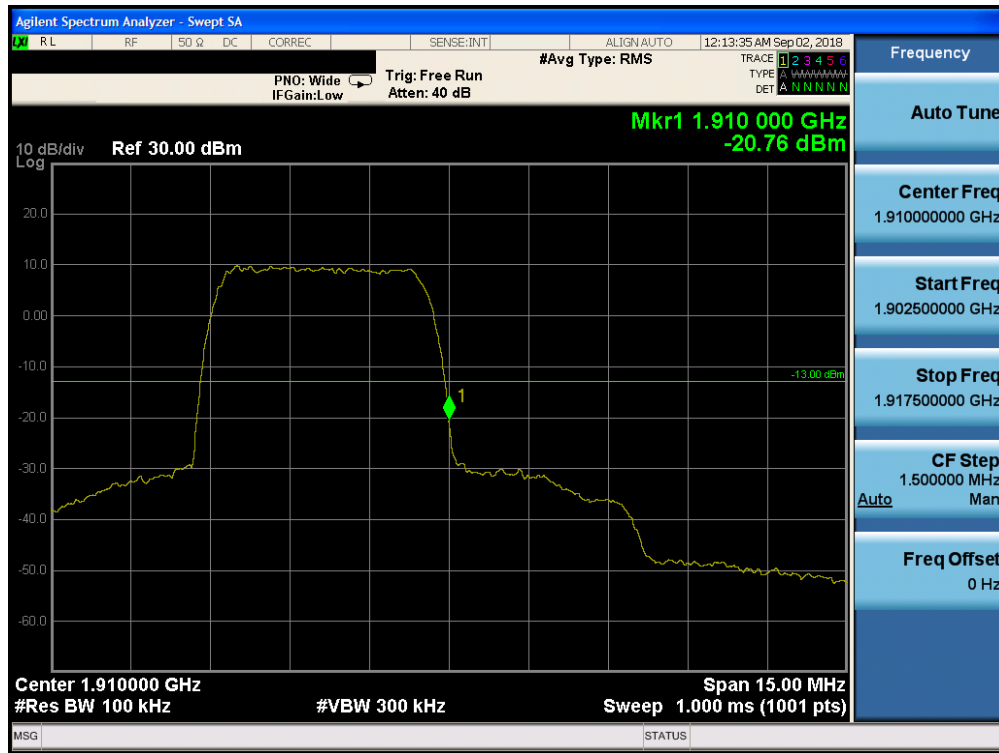


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Plot 7-67. Band Edge Plot (PCS WCDMA Mode - High Channel)



Plot 7-68. Extended Band Edge Plot (PCS WCDMA Mode - High Channel)

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7.5 Peak-Average Ratio

Test Overview

A peak to average ratio measurement is performed at the conducted port of the EUT. The spectrum analyzers Complementary Cumulative Distribution Function (CCDF) measurement profile is used to determine the largest deviation between the average and the peak power of the EUT in a given bandwidth. The CCDF curve shows how much time the peak waveform spends at or above a given average power level. The percent of time the signal spends at or above the level defines the probability for that particular power level.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 5.7.1

Test Settings

1. The signal analyzer's CCDF measurement profile is enabled
2. Frequency = carrier center frequency
3. Measurement BW > Emission bandwidth of signal
4. The signal analyzer was set to collect one million samples to generate the CCDF curve
5. The measurement interval was set depending on the type of signal analyzed. For continuous signals (>98% duty cycle), the measurement interval was set to 1ms. For burst transmissions, the spectrum analyzer is set to use an internal "RF Burst" trigger that is synced with an incoming pulse and the measurement interval is set to less than the duration of the "on time" of one burst to ensure that energy is only captured during a time in which the transmitter is operating at maximum power

Test Setup

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

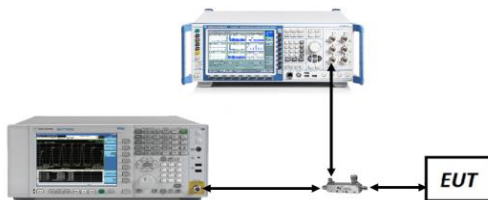
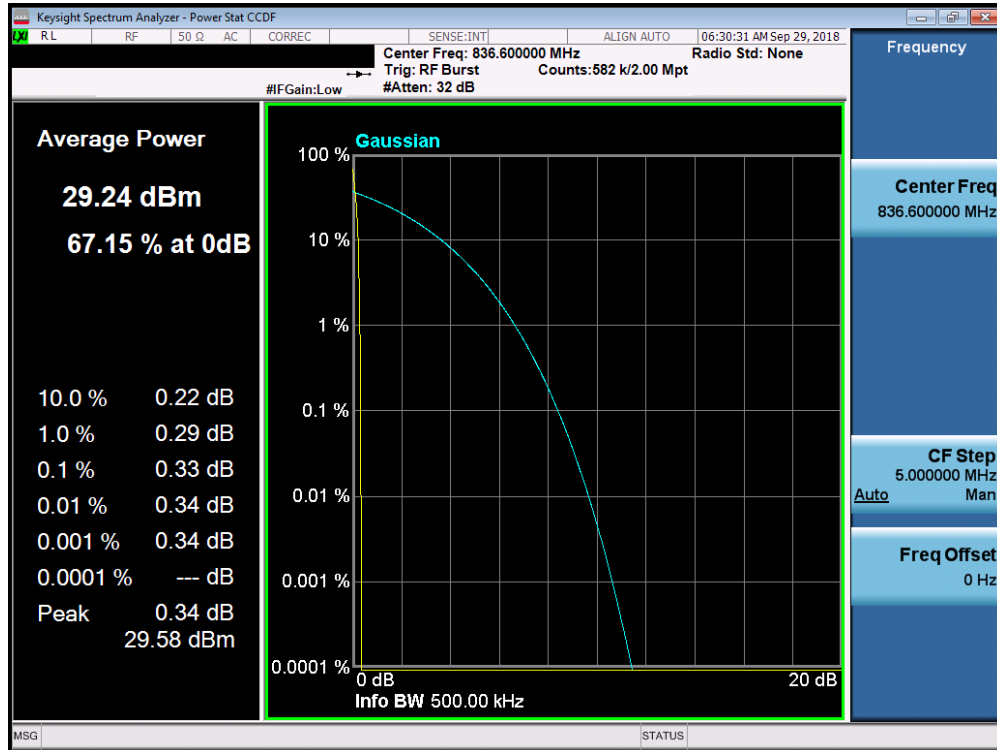


Figure 7-4. Test Instrument & Measurement Setup

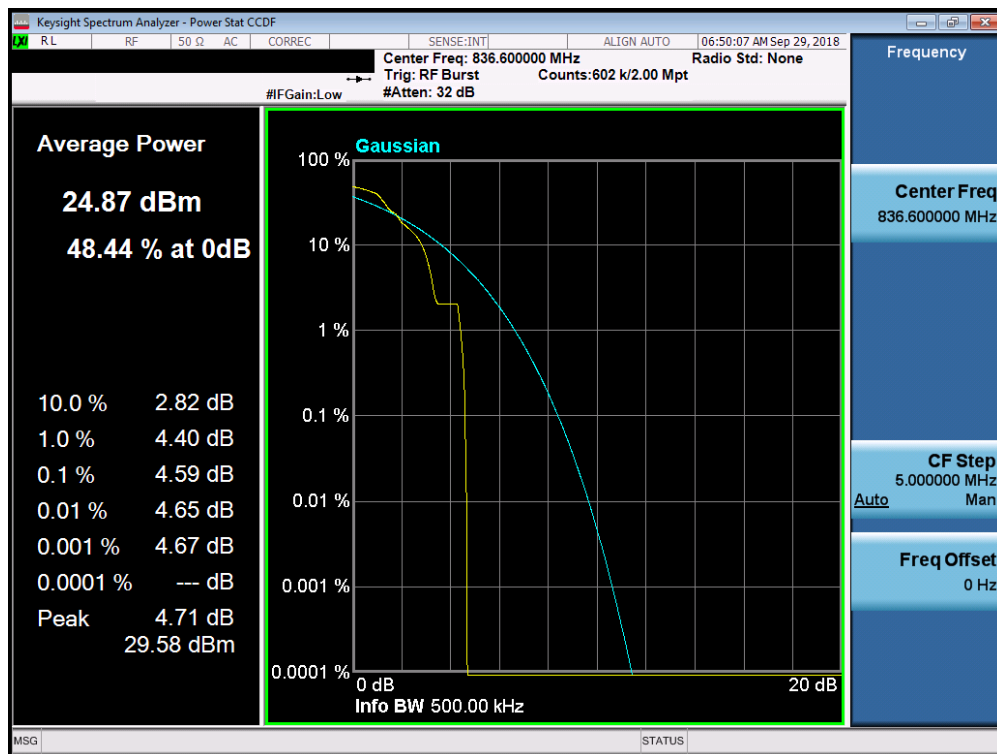
Test Notes

1. All ports were tested and only the worst case data were reported.
2. Refer to Table 2-1 Section 2.3 of this test report for correlation between Antennas and Ports.

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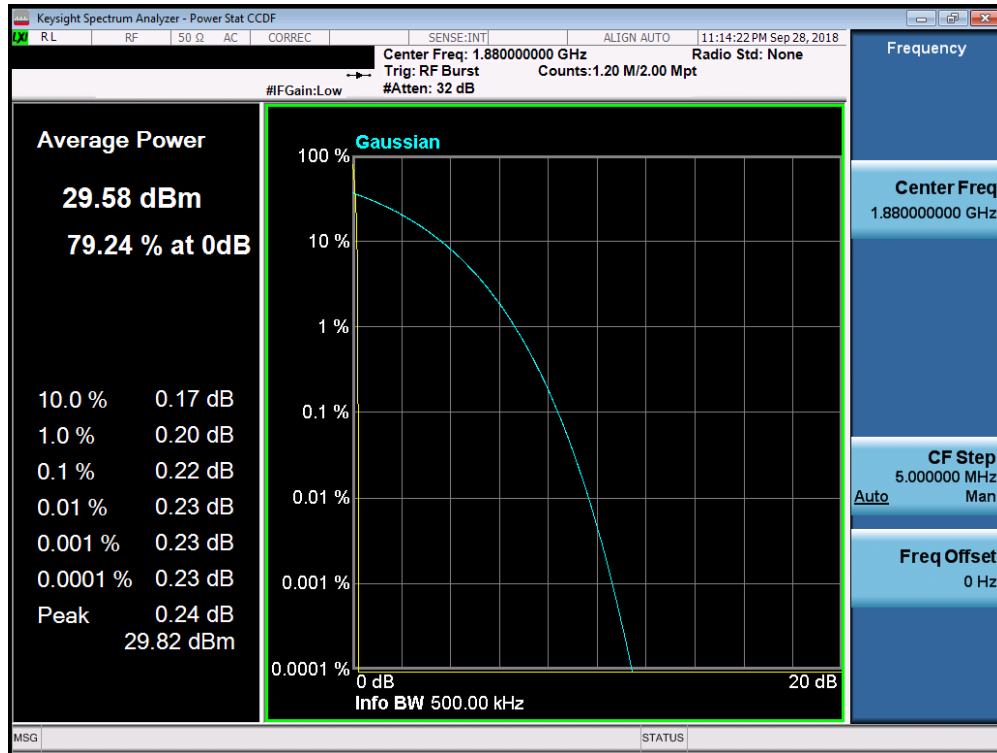


Plot 7-69. Peak-Average Ratio Plot (Cellular GPRS Mode)

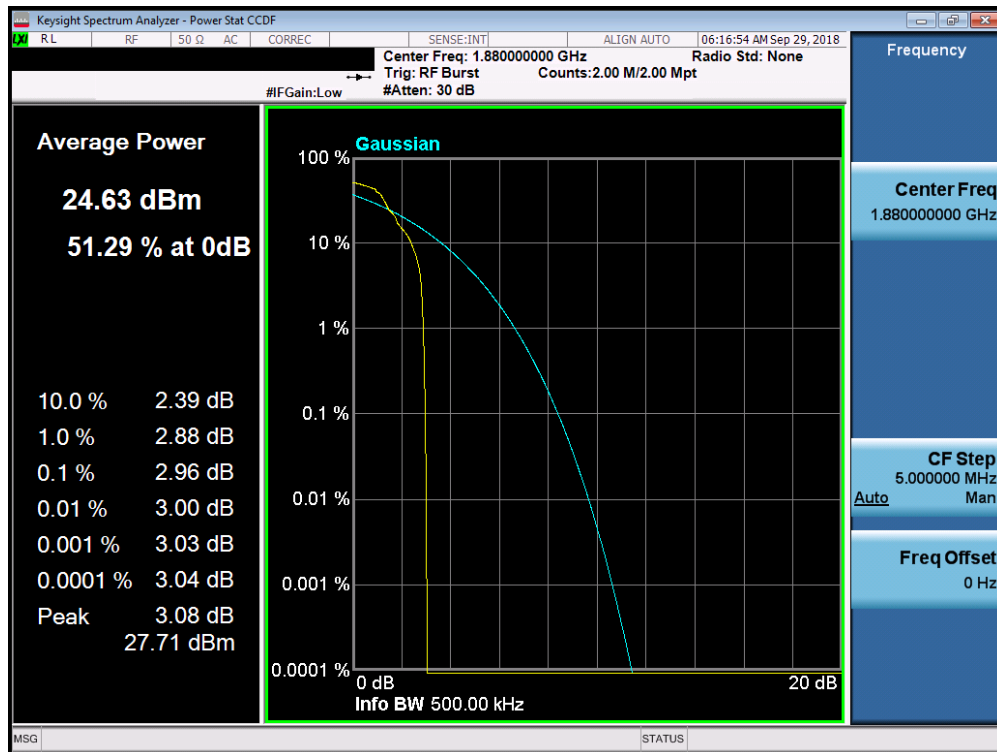


Plot 7-70. Peak-Average Ratio Plot (EDGE850 GPRS Mode)

FCC ID: BCGA1895	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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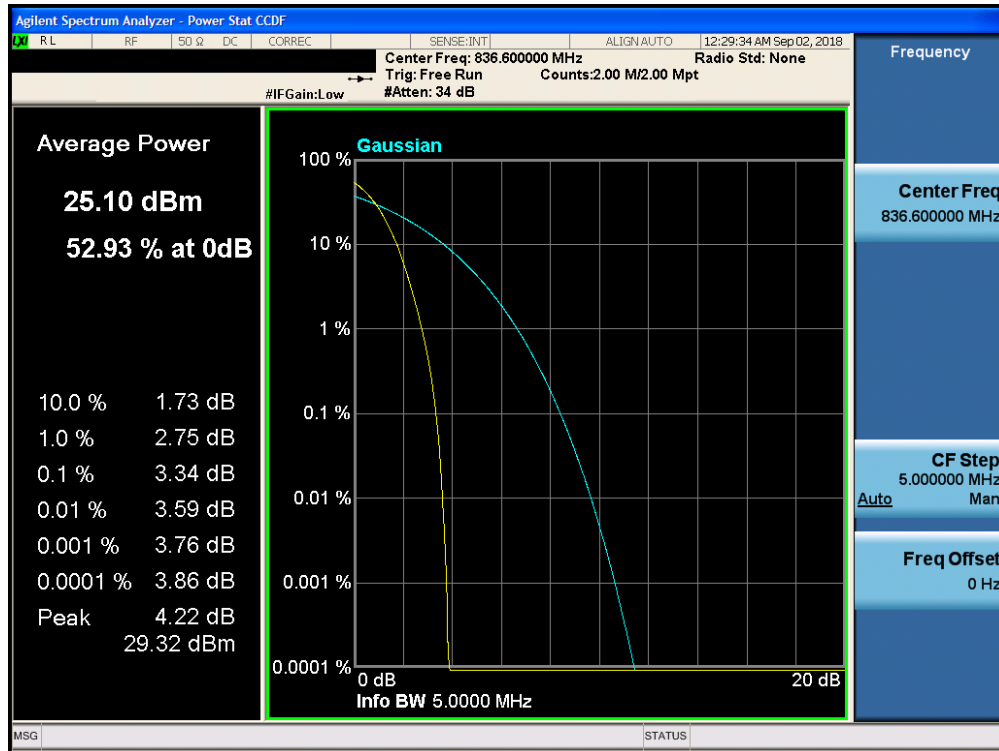


Plot 7-71. Peak-Average Ratio Plot (PCS GPRS Mode)

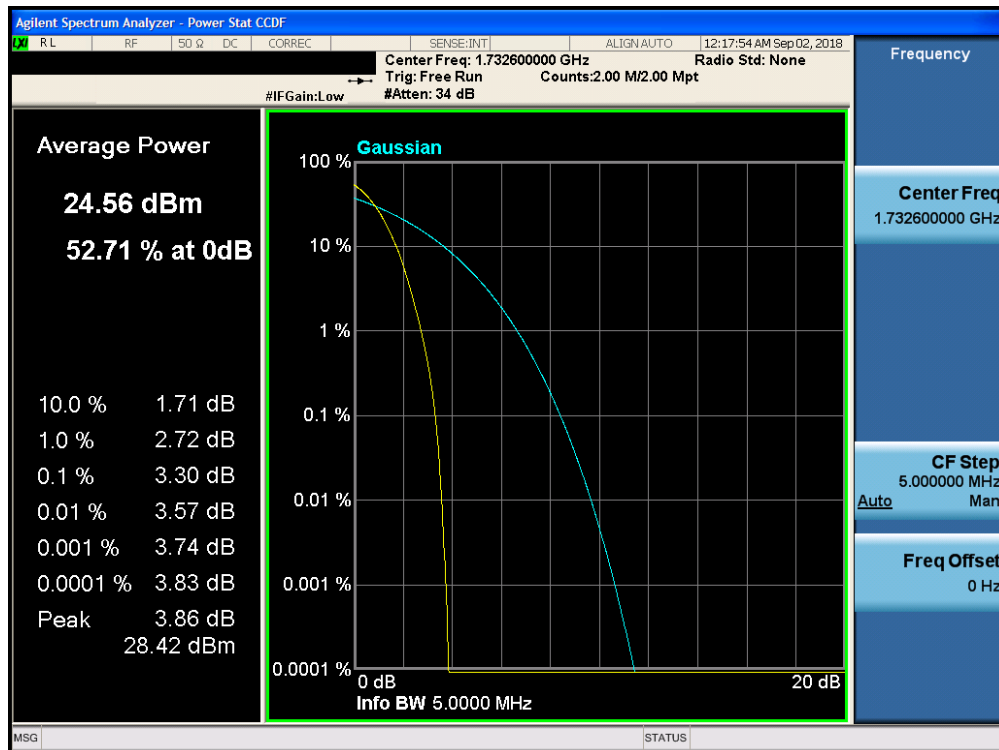


Plot 7-72. Peak-Average Ratio Plot (EDGE1900 Mode)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
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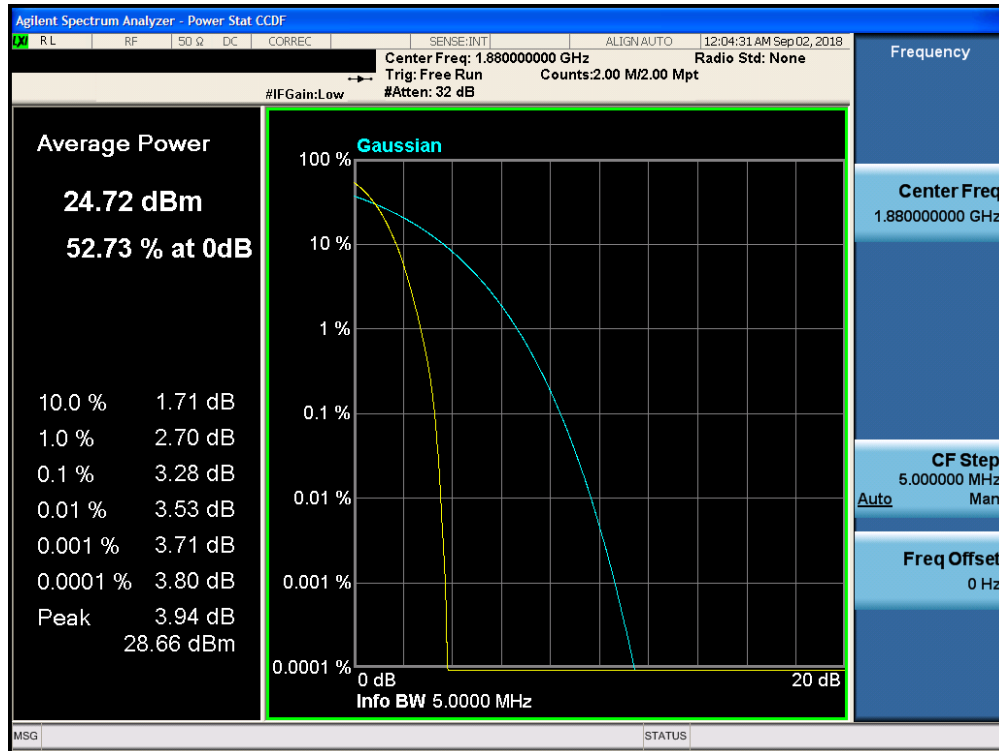


Plot 7-73. Peak-Average Ratio Plot (Cellular WCDMA Mode)



Plot 7-74. Peak-Average Ratio Plot (AWS WCDMA Mode)

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Plot 7-75. Peak-Average Ratio Plot (PCS WCDMA Mode)

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7.6 Radiated Power (ERP/EIRP)

Test Overview

Effective Radiated Power (ERP) and Equivalent Isotropic Radiated Power (EIRP) measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 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 RMS average measurements while the EUT is operating at maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.2.1

Test Settings

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

$$\text{ERP/EIRP} = \text{PMeas} - \text{LC} + \text{GT}$$

Where:

ERP/EIRP = effective or equivalent radiated power, respectively (expressed in the same units as PMeas, typically dBW or dBm)

PMeas = 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) or dBi (EIRP)

Test Setup

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



Figure 7-5. ERP/EIRP Measurement Setup

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Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest power is reported in GPRS mode while transmitting with one slot active.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC), HSDPA, and HSUPA capabilities. For WCDMA and HSUPA transmission, all configurations were investigated and the worst case UMTS emissions were found in RMC WCDMA mode at 12.2kbps with HSDPA inactive and TPC bits all set to "1."
- 3) This unit was tested with its standard battery.
- 4) The Ant. Gains (GT) are listed in dBi.
- 5) Refer to Table 2-1 Section 2.3 of this test report for correlation between Antennas and Ports.

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7.6.1 Port A Radiated Power (ERP/EIRP)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.20	GPRS850	30.00	-3.80	24.05	0.254	38.45	-14.40	26.20	0.417	40.61	-14.41
836.60	GPRS850	29.85	-3.80	23.90	0.245	38.45	-14.55	26.05	0.403	40.61	-14.56
848.80	GPRS850	29.85	-3.80	23.90	0.245	38.45	-14.55	26.05	0.403	40.61	-14.56
836.60	EDGE850	24.56	-3.80	18.61	0.073	38.45	-19.84	20.76	0.119	40.61	-19.85

Table 7-2. ERP/EIRP (Cellular GPRS)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
826.40	WCDMA850	25.47	-3.80	19.52	0.090	38.45	-18.93	21.67	0.147	40.61	-18.94
836.60	WCDMA850	25.50	-3.80	19.55	0.090	38.45	-18.90	21.70	0.148	40.61	-18.91
846.60	WCDMA850	25.44	-3.80	19.49	0.089	38.45	-18.96	21.64	0.146	40.61	-18.97

Table 7-3. ERP/EIRP (Cellular WCDMA)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	25.49	-2.80	22.69	0.186	30.00	-7.31
1732.60	WCDMA1700	25.47	-2.80	22.67	0.185	30.00	-7.33
1752.60	WCDMA1700	25.40	-2.80	22.60	0.182	30.00	-7.40

Table 7-4. EIRP (AWS WCDMA)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	30.10	-2.20	27.90	0.617	33.01	-5.11
1880.00	GPRS1900	30.00	-2.20	27.80	0.603	33.01	-5.21
1909.80	GPRS1900	29.80	-2.20	27.60	0.575	33.01	-5.41
1909.80	EDGE1900	25.25	-2.20	23.05	0.202	33.01	-9.96

Table 7-5. EIRP (PCS GPRS)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	25.45	-2.20	23.25	0.211	33.01	-9.76
1880.00	WCDMA1900	25.48	-2.20	23.28	0.213	33.01	-9.73
1907.60	WCDMA1900	25.44	-2.20	23.24	0.211	33.01	-9.77

Table 7-6. EIRP (PCS WCDMA)

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7.6.2 Port B Radiated Power (ERP/EIRP)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.20	GPRS850	27.37	-3.20	22.02	0.159	38.45	-16.43	24.17	0.261	40.61	-16.44
836.60	GPRS850	27.31	-3.20	21.96	0.157	38.45	-16.49	24.11	0.258	40.61	-16.50
848.80	GPRS850	27.35	-3.20	22.00	0.158	38.45	-16.45	24.15	0.260	40.61	-16.46
824.20	EDGE850	21.86	-3.20	16.51	0.045	38.45	-21.94	18.66	0.073	40.61	-21.95

Table 7-7. ERP/EIRP (Cellular GPRS)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
826.40	WCDMA850	23.75	-3.20	18.40	0.069	38.45	-20.05	20.55	0.114	40.61	-20.06
836.60	WCDMA850	23.70	-3.20	18.35	0.068	38.45	-20.10	20.50	0.112	40.61	-20.11
846.60	WCDMA850	23.68	-3.20	18.33	0.068	38.45	-20.12	20.48	0.112	40.61	-20.13

Table 7-8. ERP/EIRP (Cellular WCDMA)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	22.25	-3.80	18.45	0.070	30.00	-11.55
1732.50	WCDMA1700	22.21	-3.80	18.41	0.069	30.00	-11.59
1752.50	WCDMA1700	22.19	-3.80	18.39	0.069	30.00	-11.61

Table 7-9. EIRP (AWS WCDMA)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	26.69	-2.40	24.29	0.269	33.01	-8.72
1880.00	GPRS1900	26.74	-2.40	24.34	0.272	33.01	-8.67
1909.80	GPRS1900	26.75	-2.40	24.35	0.272	33.01	-8.66
1909.80	EDGE1900	21.73	-2.40	19.33	0.086	33.01	-13.68

Table 7-10. EIRP (PCS GPRS)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	22.25	-2.40	19.85	0.097	33.01	-13.16
1880.00	WCDMA1900	22.20	-2.40	19.80	0.095	33.01	-13.21
1907.60	WCDMA1900	22.25	-2.40	19.85	0.097	33.01	-13.16

Table 7-11. EIRP (PCS WCDMA)

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7.6.3 Port C Radiated Power (ERP/EIRP)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	24.50	-2.70	21.80	0.151	30.00	-8.20
1732.60	WCDMA1700	24.49	-2.70	21.79	0.151	30.00	-8.21
1752.60	WCDMA1700	24.47	-2.70	21.77	0.150	30.00	-8.23

Table 7-12. EIRP (AWS WCDMA)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	29.00	-2.20	26.80	0.479	33.01	-6.21
1880.00	GPRS1900	28.94	-2.20	26.74	0.472	33.01	-6.27
1909.80	GPRS1900	28.95	-2.20	26.75	0.473	33.01	-6.26
1909.80	EDGE1900	24.01	-2.20	21.81	0.152	33.01	-11.20

Table 7-13. EIRP (PCS GPRS)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	24.31	-2.20	22.11	0.163	33.01	-10.90
1880.00	WCDMA1900	24.23	-2.20	22.03	0.160	33.01	-10.98
1907.60	WCDMA1900	24.16	-2.20	21.96	0.157	33.01	-11.05

Table 7-14. EIRP (PCS WCDMA)

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7.6.4 Port D Radiated Power (ERP/EIRP)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1712.40	WCDMA1700	22.35	-3.00	19.35	0.086	30.00	-10.65
1732.60	WCDMA1700	22.20	-3.00	19.20	0.083	30.00	-10.80
1752.60	WCDMA1700	22.22	-3.00	19.22	0.084	30.00	-10.78

Table 7-15. EIRP (AWS WCDMA)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.20	GPRS1900	26.50	-1.40	25.10	0.324	33.01	-7.91
1880.00	GPRS1900	26.48	-1.40	25.08	0.322	33.01	-7.93
1909.80	GPRS1900	26.52	-1.40	25.12	0.325	33.01	-7.89
1909.80	EDGE1900	21.59	-1.40	20.19	0.104	33.01	-12.82

Table 7-16. EIRP (PCS GPRS)

Frequency [MHz]	Mode	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1852.40	WCDMA1900	22.00	-1.40	20.65	0.116	33.01	-12.36
1880.00	WCDMA1900	21.83	-1.40	20.43	0.110	33.01	-12.58
1907.60	WCDMA1900	21.89	-1.40	20.49	0.112	33.01	-12.52

Table 7-17. EIRP (PCS WCDMA)

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7.7 Radiated Spurious Emissions Measurements

Test Overview

Radiated spurious emissions measurements are performed using the substitution method described in ANSI/TIA-603-E-2016 with the EUT transmitting into an integral antenna. Measurements on signals operating below 1GHz are performed using horizontally and vertically 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 maximum power, and at the appropriate frequencies.

Test Procedures Used

KDB 971168 D01 v03r01 – Section 5.8

ANSI/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 $\geq 3 \times$ RBW
3. Span = 1.5 times the OBW
4. No. of sweep points $\geq 2 \times$ 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.

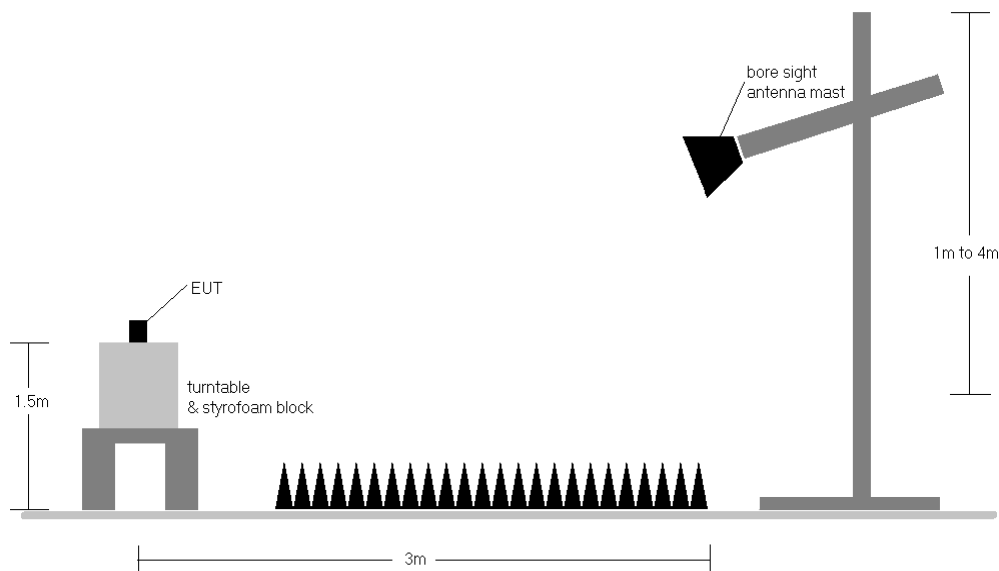


Figure 7-6. Test Instrument & Measurement Setup

Test Notes

- 1) This device employs GSM, GPRS, and EDGE capabilities. The EUT was tested under all configurations and the highest power is reported in GPRS mode while transmitting with one slot active.
- 2) This device employs UMTS technology with WCDMA (AMR/RMC), HSDPA, and HSUPA capabilities. For WCDMA and HSUPA transmission, all configurations were investigated and the worst case UMTS emissions were found in RMC WCDMA mode at 12.2kbps with HSDPA inactive and TPC bits all set to "1."
- 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 spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 6) 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.
- 7) The "-" shown in the following RSE tables are used to denote a noise floor measurement.

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7.7.1 ANT 3 (Port A) Radiated Spurious Emissions Measurements Cellular GPRS Mode

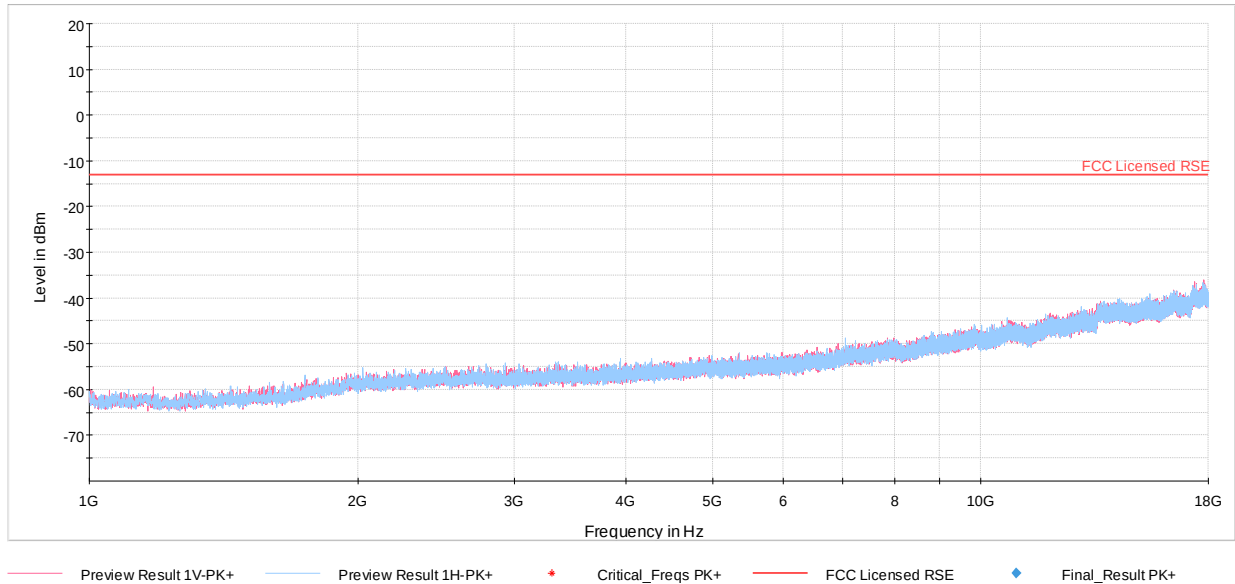


Table 7-18. Radiated Spurious Data (Cellular GPRS Mode)

OPERATING FREQUENCY: 824.20 MHz
 CHANNEL: 128
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1648.40	H	150	220	-63.08	4.48	-58.61	-45.6
2472.60	H	353	225	-58.87	5.58	-53.29	-40.3
3296.80	H	-	-	-61.86	7.22	-54.64	-41.6
4121.00	H	-	-	-59.35	7.75	-51.60	-38.6

Table 7-19. Radiated Spurious Data (Cellular GPRS Mode – Ch. 128)

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OPERATING FREQUENCY: 836.60 MHz
 CHANNEL: 190
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.20	H	257	152	-64.89	4.46	-60.43	-47.4
2509.80	H	316	204	-58.85	5.62	-53.23	-40.2
3346.40	H	-	-	-61.24	7.24	-54.00	-41.0
4183.00	H	-	-	-59.60	7.68	-51.92	-38.9

Table 7-20. Radiated Spurious Data (Cellular GPRS Mode – Ch. 190)

OPERATING FREQUENCY: 848.80 MHz
 CHANNEL: 251
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1697.60	H	110	280	-63.35	4.44	-58.91	-45.9
2546.40	H	341	157	-60.65	5.68	-54.97	-42.0
3395.20	H	-	-	-61.98	7.26	-54.72	-41.7
4244.00	H	-	-	-59.80	7.61	-52.19	-39.2

Table 7-21. Radiated Spurious Data (Cellular GPRS Mode – Ch. 251)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 68 of 110

Cellular WCDMA Mode

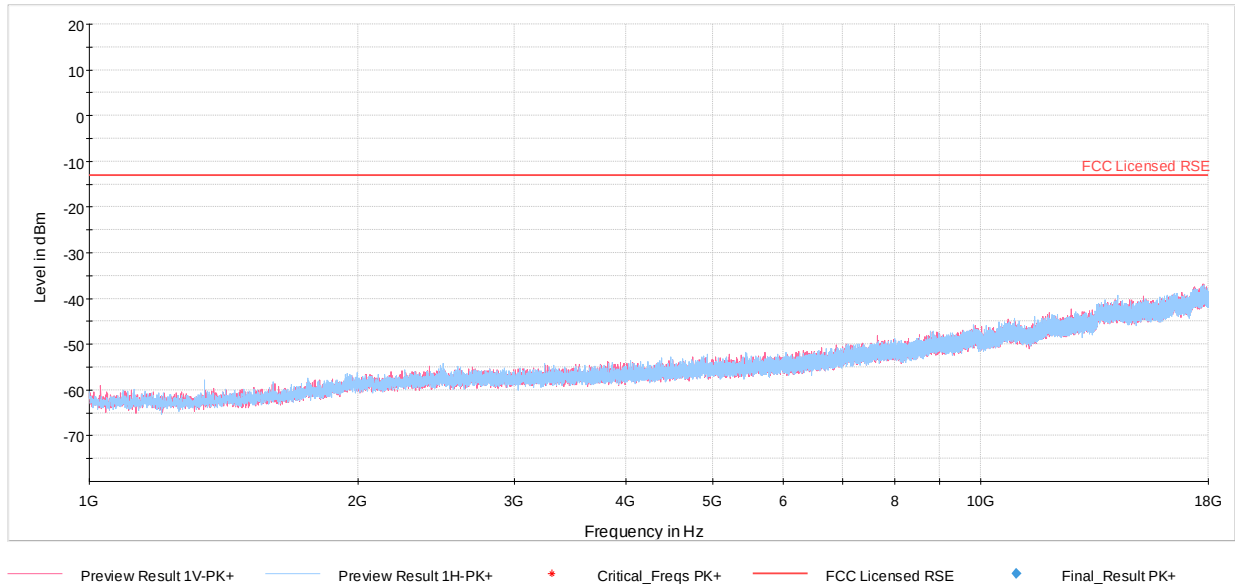


Table 7-22. Radiated Spurious Data (Cellular WCDMA Mode)

OPERATING FREQUENCY: 826.40 MHz
 CHANNEL: 4132
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1652.80	H	-	-	-74.58	4.47	-70.11	-57.1
2479.20	H	-	-	-72.17	5.58	-66.58	-53.6
3305.60	H	-	-	-72.74	7.22	-65.52	-52.5

Table 7-23. Radiated Spurious Data (Cellular WCDMA Mode – Ch. 4132)

FCC ID: BCGA1895	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 69 of 110

OPERATING FREQUENCY: 836.60 MHz
CHANNEL: 4183
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.20	H	-	-	-74.54	4.46	-70.08	-57.1
2509.80	H	-	-	-72.50	5.62	-66.88	-53.9
3346.40	H	-	-	-71.98	7.24	-64.74	-51.7

Table 7-24. Radiated Spurious Data (Cellular WCDMA Mode – Ch. 4183)

OPERATING FREQUENCY: 846.60 MHz
CHANNEL: 4233
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1693.20	H	-	-	-74.65	4.44	-70.21	-57.2
2539.80	H	-	-	-72.88	5.67	-67.22	-54.2
3386.40	H	-	-	-60.25	7.26	-53.00	-40.0

Table 7-25. Radiated Spurious Data (Cellular WCDMA Mode – Ch. 4233)

FCC ID: BCGA1895		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 70 of 110

7.7.2 ANT 4b (Port A) Radiated Spurious Emissions Measurements

AWS WCDMA Mode

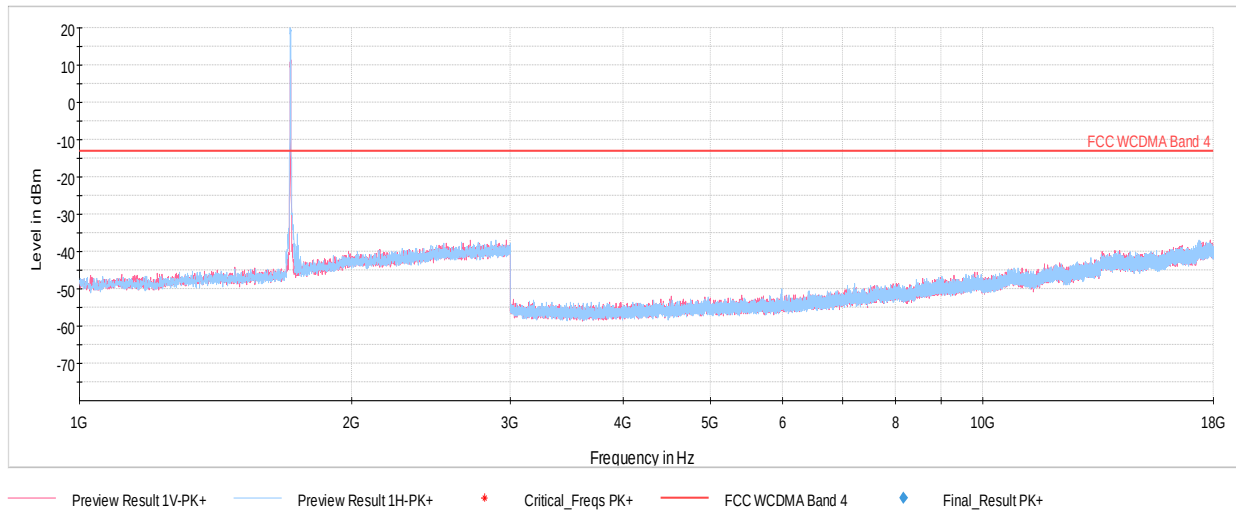


Table 7-26. Radiated Spurious Data (AWS WCDMA Mode)

OPERATING FREQUENCY: 1712.40 MHz
 CHANNEL: 1312
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3424.80	H	-	-	-72.56	7.53	-65.03	-52.0
5137.20	H	-	-	-70.71	9.79	-60.91	-47.9
6849.60	H	-	-	-66.72	10.96	-55.76	-42.8

Table 7-27. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1312)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 71 of 110

OPERATING FREQUENCY: 1732.60 MHz
 CHANNEL: 1413
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3465.20	H	-	-	-71.69	7.62	-64.06	-51.1
5197.80	H	-	-	-70.02	9.75	-60.27	-47.3
6930.40	H	-	-	-66.38	11.05	-55.33	-42.3

Table 7-28. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1413)

OPERATING FREQUENCY: 1752.60 MHz
 CHANNEL: 1513
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3505.20	H	-	-	-71.45	7.68	-63.77	-50.8
5257.80	H	-	-	-70.71	9.74	-60.97	-48.0
7010.40	H	-	-	-65.66	11.08	-54.58	-41.6

Table 7-29. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1513)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 72 of 110

PCS GPRS Mode

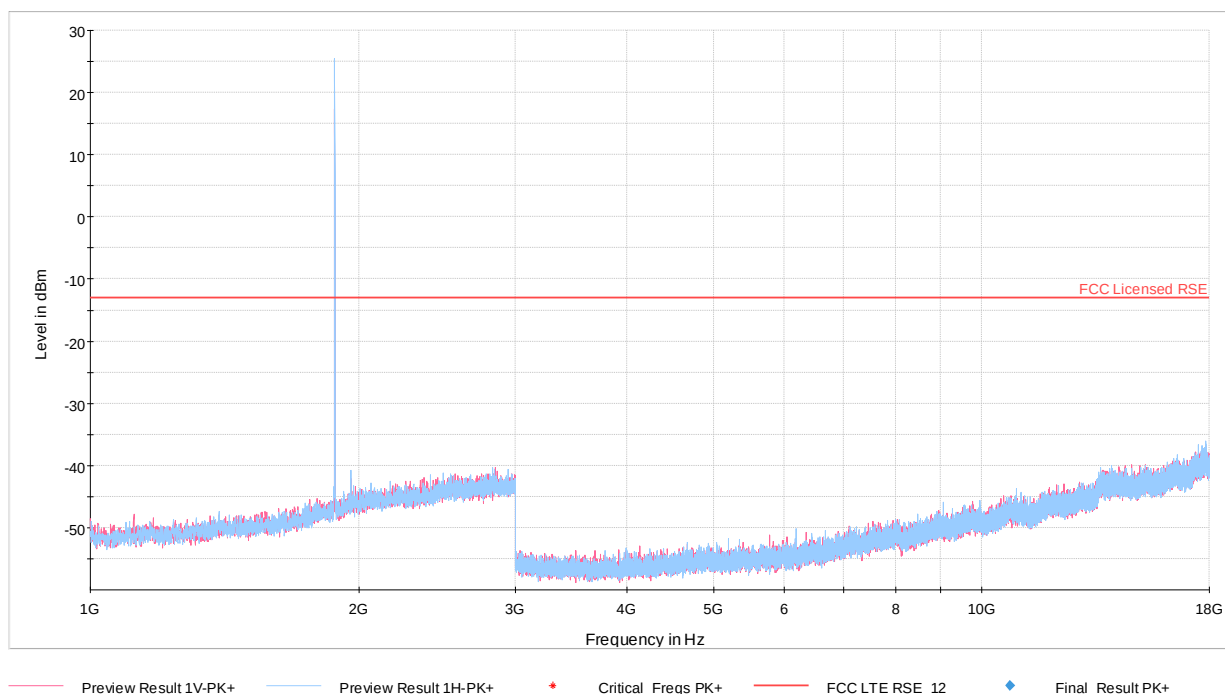


Table 7-30. Radiated Spurious Data (PCS GPRS Mode)

OPERATING FREQUENCY: 1850.20 MHz
 CHANNEL: 512
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3700.40	V	234	179	-59.78	7.10	-52.69	-39.7
5550.60	V	294	275	-52.43	10.07	-42.36	-29.4
7400.80	H	-	-	-56.02	11.59	-44.44	-31.4

Table 7-31. Radiated Spurious Data (PCS GPRS Mode – Ch. 512)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 73 of 110

OPERATING FREQUENCY: 1880.00 MHz
CHANNEL: 661
MODULATION SIGNAL: GPRS (GMSK)
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3760.00	V	-	-	-59.39	7.10	-52.28	-39.3
5640.00	V	281	201	-55.18	10.04	-45.13	-32.1
7520.00	V	-	-	-55.54	11.68	-43.86	-30.9

Table 7-32. Radiated Spurious Data (PCS GPRS Mode – Ch. 661)

OPERATING FREQUENCY: 1909.80 MHz
CHANNEL: 810
MODULATION SIGNAL: GPRS (GMSK)
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3819.60	V	-	-	-60.64	7.31	-53.33	-40.3
5729.40	V	291	272	-55.62	10.05	-45.57	-32.6
7639.20	H	-	-	-56.67	11.75	-44.92	-31.9

Table 7-33. Radiated Spurious Data (PCS GPRS Mode – Ch. 810)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 74 of 110

PCS WCDMA Mode

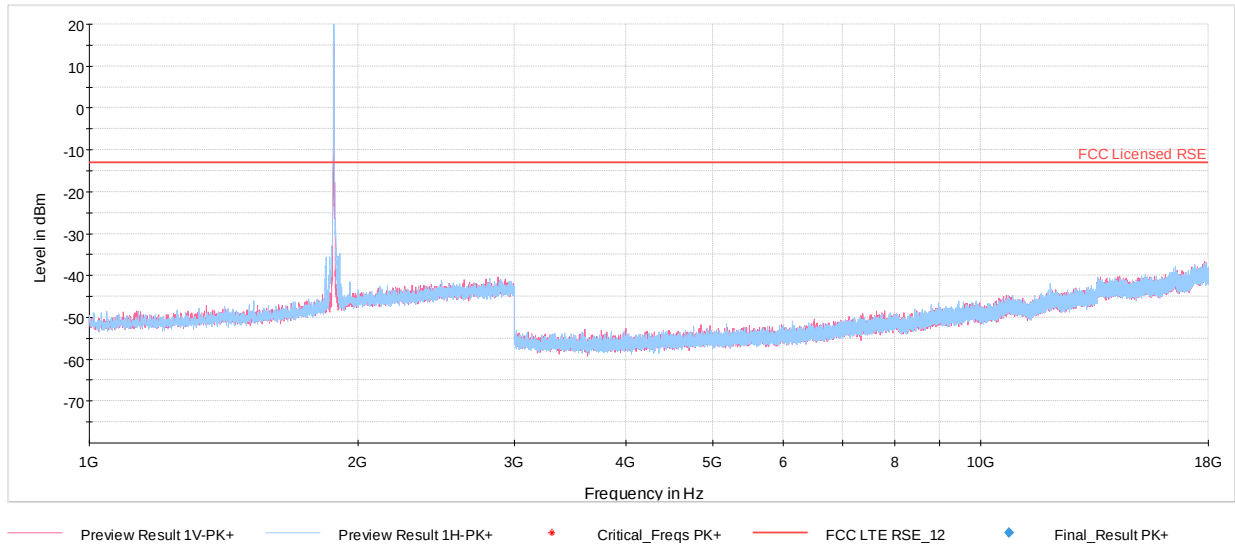


Table 7-34. Radiated Spurious Data (PCS WCDMA Mode)

OPERATING FREQUENCY: 1852.40 MHz
 CHANNEL: 9262
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3704.80	H	-	-	-68.62	7.09	-61.53	-48.5
5557.20	H	-	-	-70.46	10.07	-60.39	-47.4
7409.60	H	-	-	-70.67	11.60	-59.08	-46.1

Table 7-35. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9262)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 75 of 110

OPERATING FREQUENCY: 1880.00 MHz
CHANNEL: 9400
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3760.00	H	-	-	-68.56	7.10	-61.46	-48.5
5640.00	H	-	-	-70.71	10.04	-60.67	-47.7
7520.00	H	-	-	-70.99	11.68	-59.30	-46.3

Table 7-36. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9400)

OPERATING FREQUENCY: 1907.60 MHz
CHANNEL: 9538
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3815.20	H	-	-	-68.61	7.29	-61.32	-48.3
5722.80	H	-	-	-70.67	10.05	-60.62	-47.6
7630.40	H	-	-	-70.74	11.75	-59.00	-46.0

Table 7-37. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9538)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 76 of 110

7.7.3 ANT 1 (Port B) Radiated Spurious Emissions Measurements

Cellular GPRS Mode

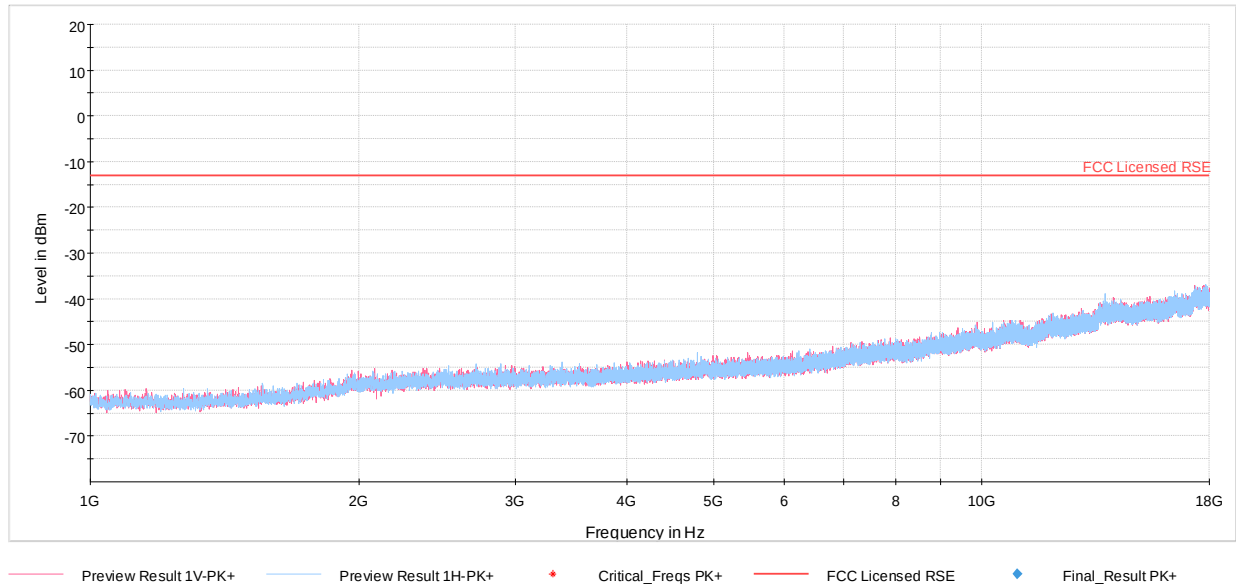


Table 7-38. Radiated Spurious Data (Cellular GPRS Mode)

OPERATING FREQUENCY: 824.20 MHz
 CHANNEL: 128
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1648.40	H	123	111	-64.49	4.48	-60.02	-47.0
2472.60	H	228	215	-59.71	5.58	-54.13	-41.1
3296.80	H	-	-	-61.94	7.22	-54.72	-41.7

Table 7-39. Radiated Spurious Data (Cellular GPRS Mode – Ch. 128)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 77 of 110

OPERATING FREQUENCY: 836.60 MHz
 CHANNEL: 190
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.20	H	154	255	-65.38	4.46	-60.92	-47.9
2509.80	H	161	260	-60.36	5.62	-54.74	-41.7
3346.40	H	-	-	-60.67	7.24	-53.43	-40.4
4183.00	H	-	-	-60.79	7.68	-53.11	-40.1

Table 7-40. Radiated Spurious Data (Cellular GPRS Mode – Ch. 190)

OPERATING FREQUENCY: 848.80 MHz
 CHANNEL: 251
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1697.60	H	168	87	-65.49	4.44	-61.05	-48.1
2546.40	H	-	-	-62.87	5.68	-57.19	-44.2
3395.20	H	-	-	-58.80	7.26	-51.54	-38.5
4244.00	H	-	-	-59.96	7.61	-52.35	-39.4

Table 7-41. Radiated Spurious Data (Cellular GPRS Mode – Ch. 251)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 78 of 110

Cellular WCDMA Mode

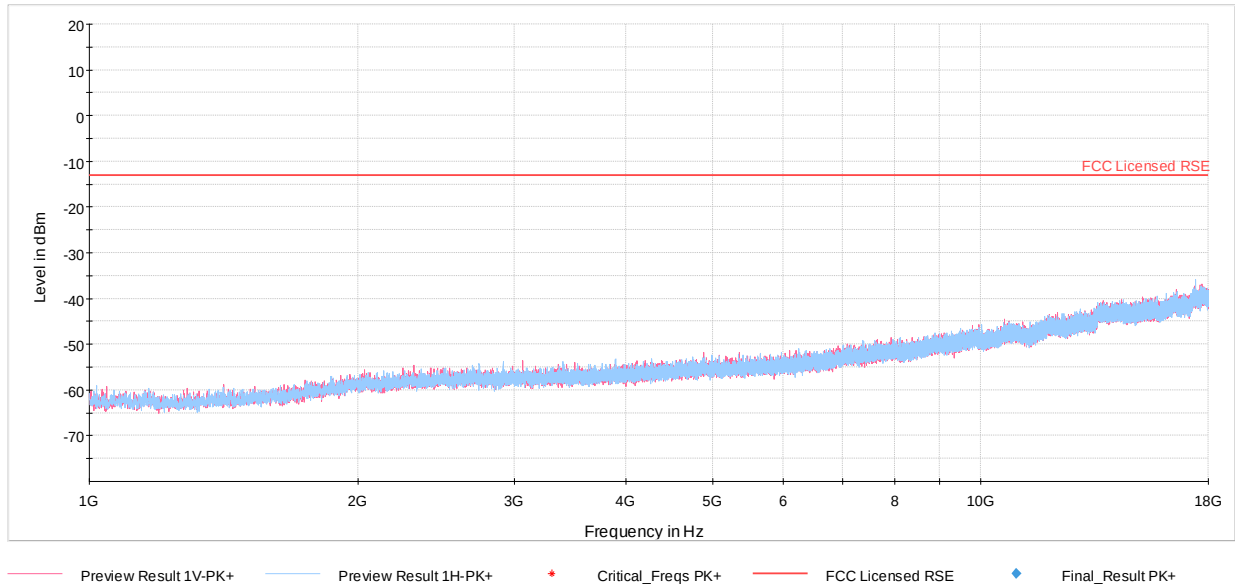


Table 7-42. Radiated Spurious Data (Cellular WCDMA Mode)

OPERATING FREQUENCY: 826.40 MHz
 CHANNEL: 4132
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1652.80	H	-	-	-74.37	4.47	-69.90	-56.9
2479.20	H	-	-	-72.48	5.58	-66.89	-53.9

Table 7-43. Radiated Spurious Data (Cellular WCDMA Mode – Ch. 4132)

FCC ID: BCGA1895	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 79 of 110

OPERATING FREQUENCY: 836.60 MHz
 CHANNEL: 4183
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1673.20	H	-	-	-74.57	4.46	-70.11	-57.1
2509.80	H	-	-	-72.47	5.62	-66.85	-53.8
3346.40	H	-	-	-72.59	7.24	-65.35	-52.4

Table 7-44. Radiated Spurious Data (Cellular WCDMA Mode – Ch. 4183)

OPERATING FREQUENCY: 846.60 MHz
 CHANNEL: 4233
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
1693.20	H	-	-	-74.11	4.44	-69.67	-56.7
2539.80	H	-	-	-72.92	5.67	-67.26	-54.3
3386.40	H	-	-	-72.42	7.26	-65.17	-52.2

Table 7-45. Radiated Spurious Data (Cellular WCDMA Mode – Ch. 4233)

FCC ID: BCGA1895		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 80 of 110

7.7.4 ANT 2b (Port B) Radiated Spurious Emissions Measurements

AWS WCDMA Mode

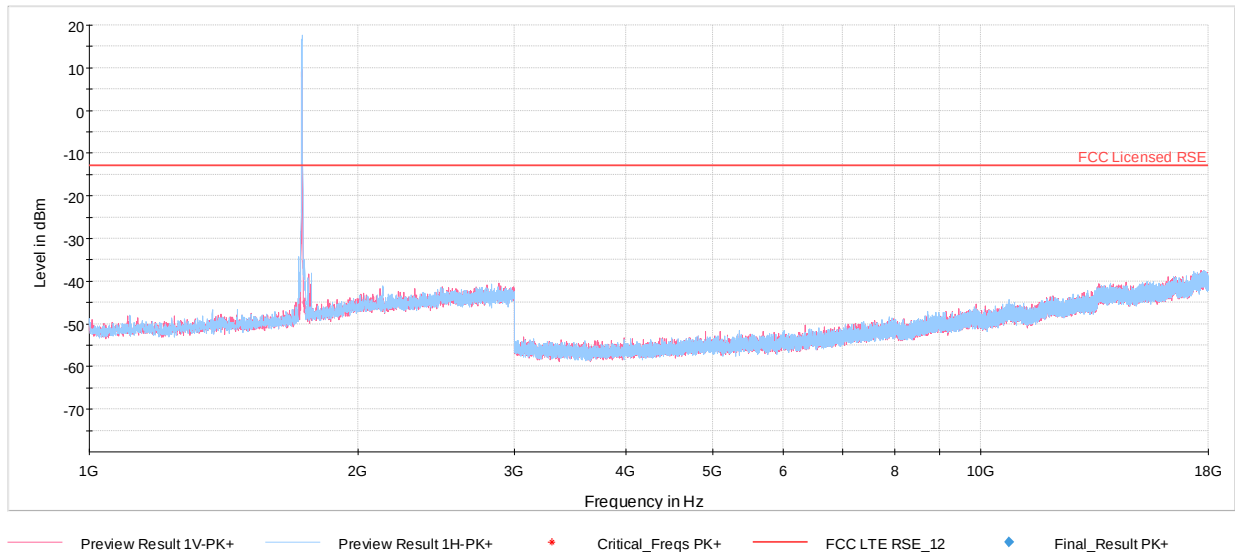


Table 7-46. Radiated Spurious Data (AWS WCDMA Mode)

OPERATING FREQUENCY: 1712.40 MHz
 CHANNEL: 1312
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3424.80	H	-	-	-71.71	7.53	-64.18	-51.2
5137.20	H	-	-	-70.86	9.79	-61.06	-48.1
6849.60	H	-	-	-66.92	10.96	-55.96	-43.0

Table 7-47. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1312)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 81 of 110

OPERATING FREQUENCY: 1732.60 MHz
CHANNEL: 1413
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3465.20	H	-	-	-71.86	7.62	-64.23	-51.2
5197.80	H	-	-	-70.77	9.75	-61.02	-48.0
6930.40	H	-	-	-66.47	11.05	-55.42	-42.4

Table 7-48. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1413)

OPERATING FREQUENCY: 1752.60 MHz
CHANNEL: 1513
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3505.20	H	-	-	-71.27	7.68	-63.59	-50.6
5257.80	H	-	-	-70.94	9.74	-61.20	-48.2
7010.40	H	-	-	-65.69	11.08	-54.61	-41.6

Table 7-49. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1513)

FCC ID: BCGA1895		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 82 of 110

PCS GPRS Mode

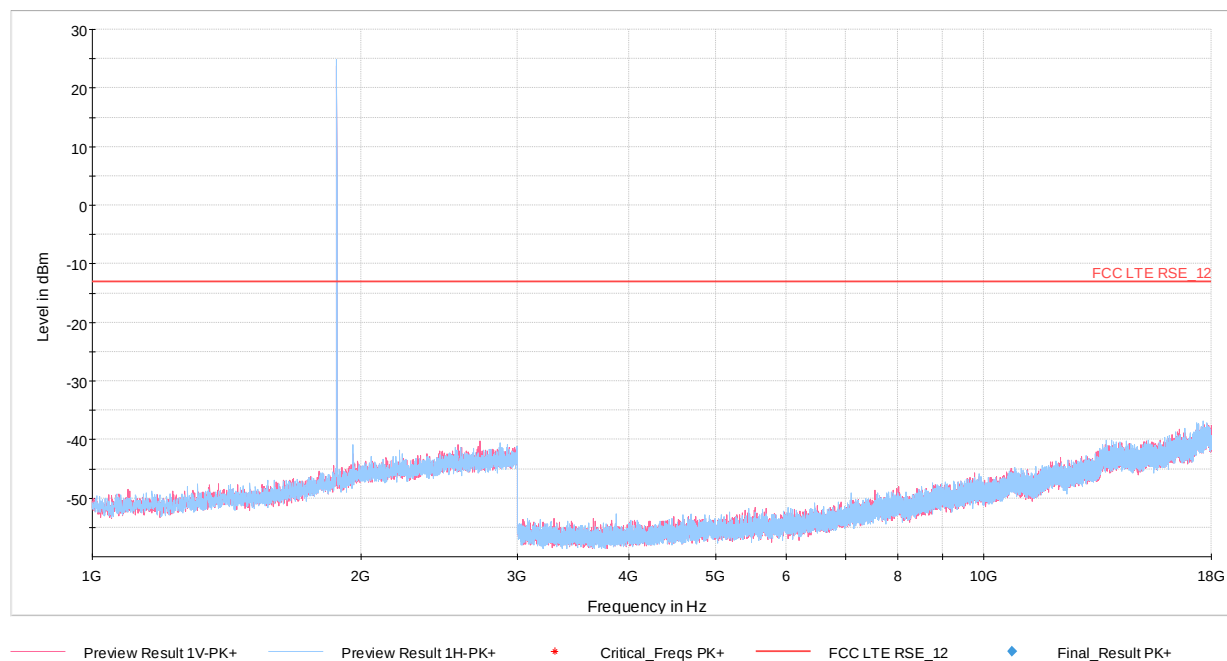


Table 7-50. Radiated Spurious Data (PCS GPRS Mode)

OPERATING FREQUENCY: 1850.20 MHz

CHANNEL: 512

MODULATION SIGNAL: GPRS (GMSK)

DISTANCE: 3 meters

LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3700.40	H	-	-	-59.80	7.10	-52.71	-39.7
5550.60	V	316	261	-56.63	10.07	-46.56	-33.6
7400.80	V	-	-	-55.39	11.59	-43.81	-30.8

Table 7-51. Radiated Spurious Data (PCS GPRS Mode – Ch. 512)

FCC ID: BCGA1895		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 83 of 110

OPERATING FREQUENCY: 1880.00 MHz
 CHANNEL: 661
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3760.00	V	-	-	-59.36	7.10	-52.25	-39.3
5640.00	V	292	260	-57.46	10.04	-47.41	-34.4
7520.00	V	-	-	-55.89	11.68	-44.21	-31.2

Table 7-52. Radiated Spurious Data (PCS GPRS Mode – Ch. 661)

OPERATING FREQUENCY: 1909.80 MHz
 CHANNEL: 810
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3819.60	V	-	-	-60.14	7.31	-52.83	-39.8
5729.40	V	-	-	-58.15	10.05	-48.10	-35.1
7639.20	H	-	-	-55.72	11.75	-43.97	-31.0

Table 7-53. Radiated Spurious Data (PCS GPRS Mode – Ch. 810)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 84 of 110

PCS WCDMA Mode

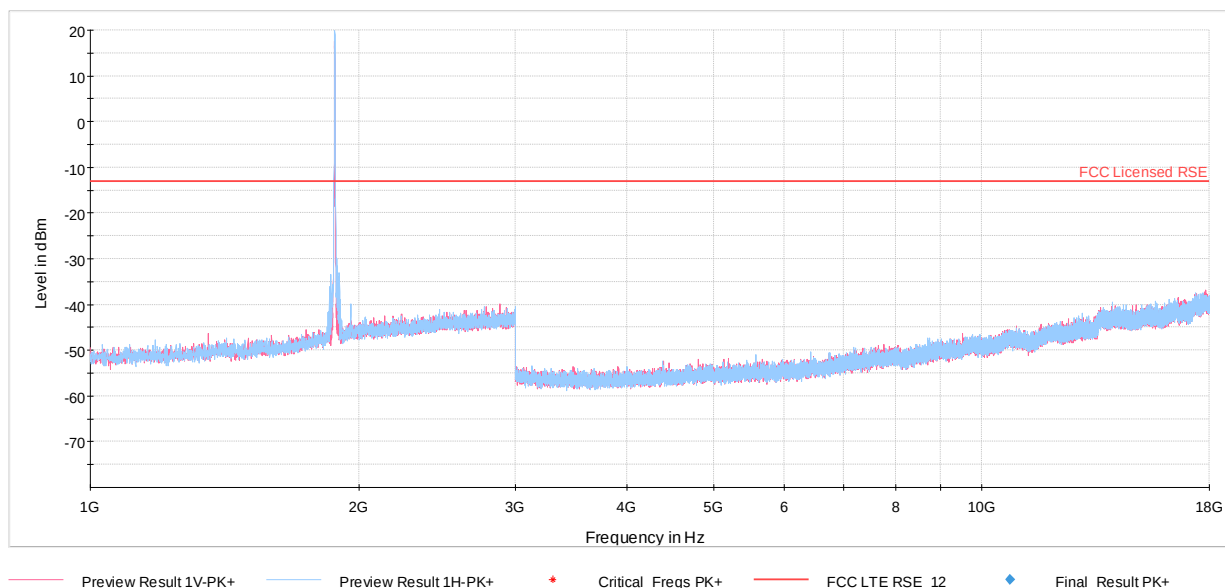


Table 7-54. Radiated Spurious Data (PCS WCDMA Mode)

OPERATING FREQUENCY: 1852.40 MHz

CHANNEL: 9262

MODULATION SIGNAL: WCDMA

DISTANCE: 3 meters

LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3704.80	H	-	-	-69.76	7.09	-62.67	-49.7
5557.20	H	-	-	-71.63	10.07	-61.56	-48.6
7409.60	H	-	-	-71.37	11.60	-59.78	-46.8

Table 7-55. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9262)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 85 of 110

OPERATING FREQUENCY: 1880.00 MHz
CHANNEL: 9400
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3760.00	H	-	-	-69.87	7.10	-62.77	-49.8
5640.00	H	-	-	-71.43	10.04	-61.39	-48.4
7520.00	H	-	-	-72.34	11.68	-60.65	-47.7

Table 7-56. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9400)

OPERATING FREQUENCY: 1907.60 MHz
CHANNEL: 9538
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3815.20	H	-	-	-68.77	7.29	-61.48	-48.5
5722.80	H	-	-	-71.65	10.05	-61.60	-48.6
7630.40	H	-	-	-71.94	11.75	-60.20	-47.2

Table 7-57. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9538)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 86 of 110

7.7.5 ANT 4a (Port C) Radiated Spurious Emissions Measurements

AWS WCDMA Mode

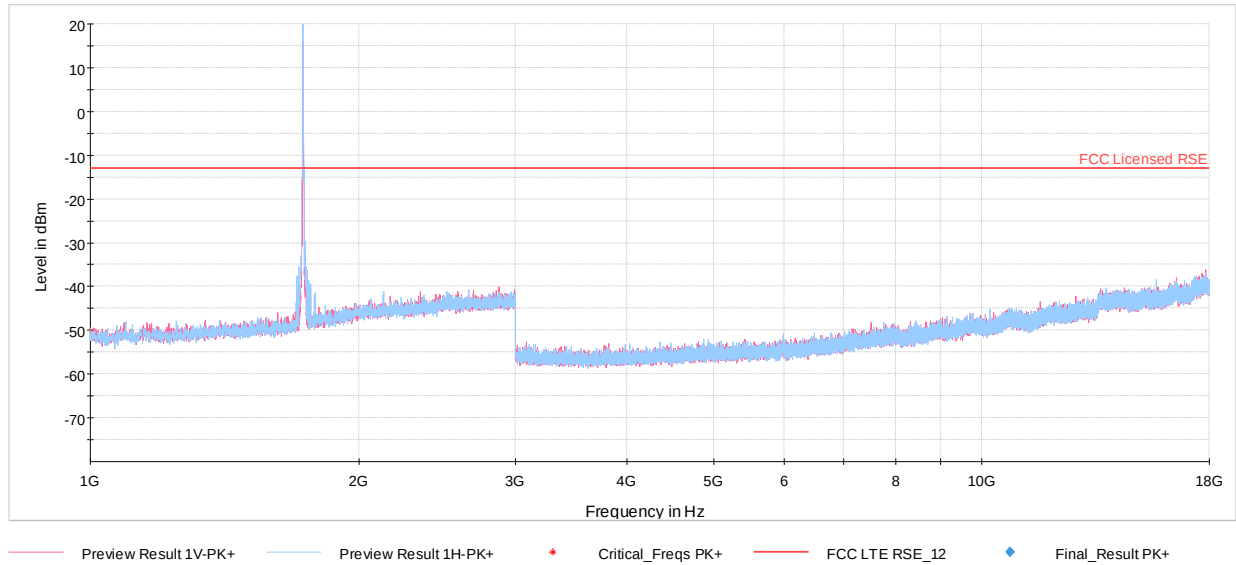


Table 7-58. Radiated Spurious Data (AWS WCDMA Mode)

OPERATING FREQUENCY: 1712.40 MHz
 CHANNEL: 1312
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3424.80	H	-	-	-72.10	7.53	-64.57	-51.6
5137.20	H	-	-	-70.76	9.79	-60.96	-48.0
6849.60	H	-	-	-67.04	10.96	-56.08	-43.1

Table 7-59. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1312)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 87 of 110

OPERATING FREQUENCY: 1732.60 MHz
 CHANNEL: 1413
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3465.20	H	-	-	-71.71	7.62	-64.08	-51.1
5197.80	H	-	-	-70.74	9.75	-60.99	-48.0
6930.40	H	-	-	-66.49	11.05	-55.44	-42.4

Table 7-60. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1413)

OPERATING FREQUENCY: 1752.60 MHz
 CHANNEL: 1513
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3505.20	H	-	-	-71.18	7.68	-63.50	-50.5
5257.80	H	-	-	-70.87	9.74	-61.13	-48.1
7010.40	H	-	-	-65.71	11.08	-54.63	-41.6

Table 7-61. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1513)

FCC ID: BCGA1895		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 88 of 110

PCS GPRS Mode

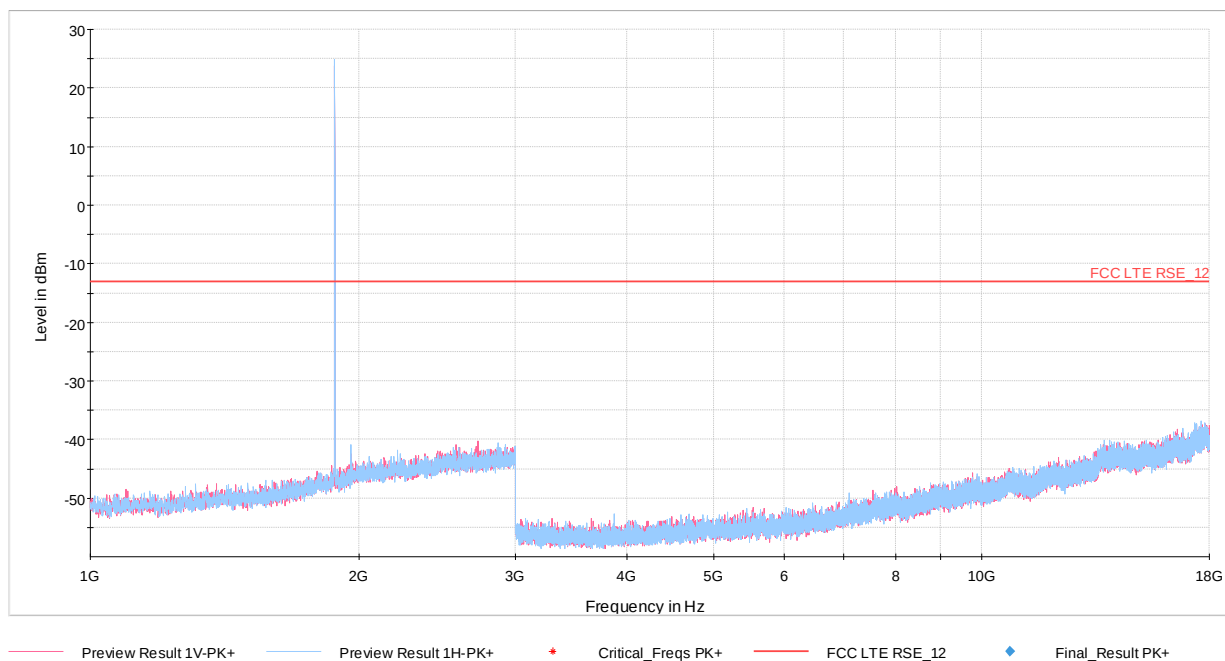


Table 7-62. Radiated Spurious Data (PCS GPRS Mode)

OPERATING FREQUENCY: 1850.20 MHz
 CHANNEL: 512
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3700.40	H	339	215	-57.58	7.10	-50.49	-37.5
5550.60	H	177	338	-56.71	10.07	-46.64	-33.6
7400.80	H	-	-	-54.48	11.59	-42.90	-29.9

Table 7-63. Radiated Spurious Data (PCS GPRS Mode – Ch. 512)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 89 of 110

OPERATING FREQUENCY: 1880.00 MHz
CHANNEL: 661
MODULATION SIGNAL: GPRS (GMSK)
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3760.00	V	129	161	-57.63	7.10	-50.52	-37.5
5640.00	V	394	124	-56.94	10.04	-46.89	-33.9
7520.00	V	-	-	-53.16	11.68	-41.48	-28.5

Table 7-64. Radiated Spurious Data (PCS GPRS Mode – Ch. 661)

OPERATING FREQUENCY: 1909.80 MHz
CHANNEL: 810
MODULATION SIGNAL: GPRS (GMSK)
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3819.60	V	-	-	-60.96	7.31	-53.65	-40.7
5729.40	H	-	-	-58.81	10.05	-48.76	-35.8
7639.20	H	-	-	-56.03	11.75	-44.28	-31.3

Table 7-65. Radiated Spurious Data (PCS GPRS Mode – Ch. 810)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 90 of 110

PCS WCDMA Mode

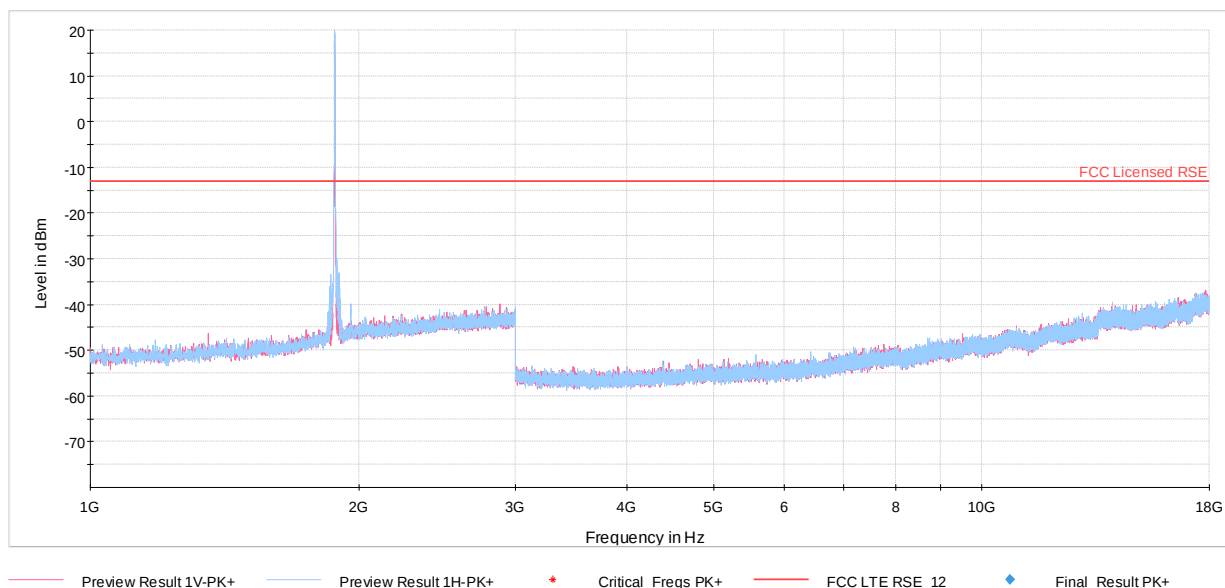


Table 7-66. Radiated Spurious Data (PCS WCDMA Mode)

OPERATING FREQUENCY: 1852.40 MHz
 CHANNEL: 9262
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3704.80	H	-	-	-69.41	7.09	-62.32	-49.3
5557.20	H	-	-	-71.94	10.07	-61.87	-48.9
7409.60	H	-	-	-71.41	11.60	-59.82	-46.8

Table 7-67. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9262)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 91 of 110

OPERATING FREQUENCY: 1880.00 MHz
 CHANNEL: 9400
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3760.00	H	-	-	-69.20	7.10	-62.10	-49.1
5640.00	H	-	-	-72.05	10.04	-62.01	-49.0
7520.00	H	-	-	-72.47	11.68	-60.78	-47.8

Table 7-68. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9400)

OPERATING FREQUENCY: 1907.60 MHz
 CHANNEL: 9538
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3815.20	H	-	-	-69.38	7.29	-62.09	-49.1
5722.80	H	-	-	-71.17	10.05	-61.12	-48.1
7630.40	H	-	-	-71.89	11.75	-60.15	-47.1

Table 7-69. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9538)

FCC ID: BCGA1895			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 92 of 110	

7.7.6 ANT 2a (Port D) Radiated Spurious Emissions Measurements AWS WCDMA Mode

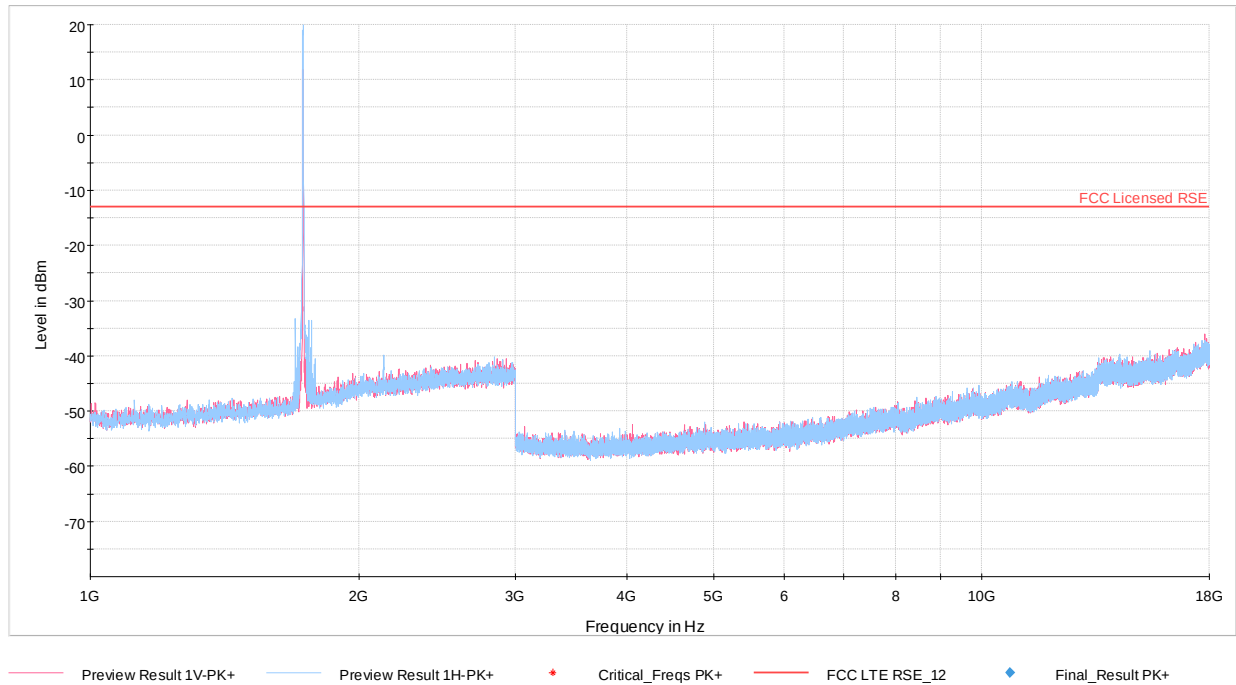


Table 7-70. Radiated Spurious Data (AWS WCDMA Mode)

OPERATING FREQUENCY: 1712.40 MHz

CHANNEL: 1312

MODULATION SIGNAL: WCDMA

DISTANCE: 3 meters

LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3424.80	H	-	-	-72.71	7.53	-65.18	-52.2
5137.20	H	-	-	-70.77	9.79	-60.97	-48.0
6849.60	H	-	-	-67.03	10.96	-56.07	-43.1

Table 7-71. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1312)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 93 of 110

OPERATING FREQUENCY: 1732.60 MHz
 CHANNEL: 1413
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3465.20	H	-	-	-72.13	7.62	-64.50	-51.5
5197.80	H	-	-	-70.79	9.75	-61.04	-48.0
6930.40	H	-	-	-63.48	11.05	-52.43	-39.4

Table 7-72. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1413)

OPERATING FREQUENCY: 1752.60 MHz
 CHANNEL: 1513
 MODULATION SIGNAL: WCDMA
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3505.20	H	-	-	-71.57	7.68	-63.89	-50.9
5257.80	H	-	-	-70.73	9.74	-60.99	-48.0
7010.40	H	-	-	-65.72	11.08	-54.64	-41.6

Table 7-73. Radiated Spurious Data (AWS WCDMA Mode – Ch. 1513)

FCC ID: BCGA1895			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 94 of 110

PCS GPRS Mode

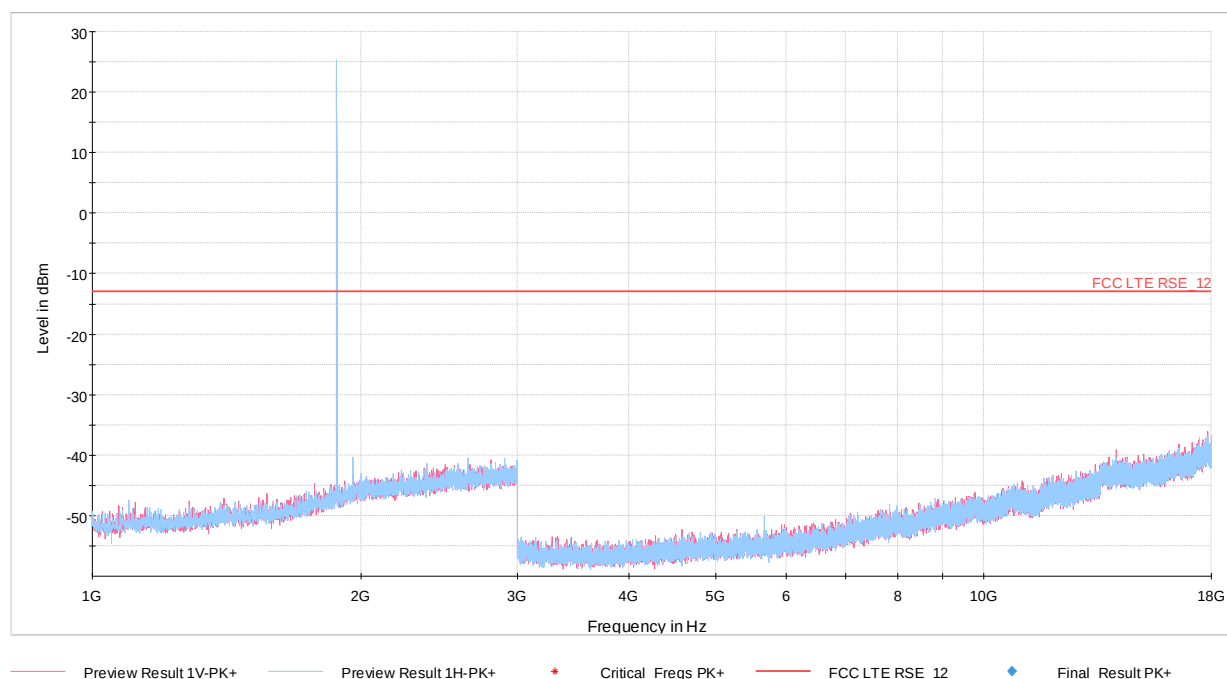


Table 7-74. Radiated Spurious Data (PCS GPRS Mode)

OPERATING FREQUENCY: 1850.20 MHz

CHANNEL: 512

MODULATION SIGNAL: GPRS (GMSK)

DISTANCE: 3 meters

LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3700.40	H	-	-	-59.21	7.10	-52.12	-39.1
5550.60	V	160	330	-55.12	10.07	-45.05	-32.0
7400.80	V	-	-	-54.22	11.59	-42.64	-29.6

Table 7-75. Radiated Spurious Data (PCS GPRS Mode – Ch. 512)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 95 of 110

OPERATING FREQUENCY: 1880.00 MHz
 CHANNEL: 661
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3760.00	V	-	-	-59.07	7.10	-51.96	-39.0
5640.00	V	-	-	-58.31	10.04	-48.26	-35.3
7520.00	V	-	-	-54.82	11.68	-43.14	-30.1

Table 7-76. Radiated Spurious Data (PCS GPRS Mode – Ch. 661)

OPERATING FREQUENCY: 1909.80 MHz
 CHANNEL: 810
 MODULATION SIGNAL: GPRS (GMSK)
 DISTANCE: 3 meters
 LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3819.60	V	-	-	-60.13	7.31	-52.82	-39.8
5729.40	V	340	302	-57.73	10.05	-47.68	-34.7
7639.20	H	-	-	-56.72	11.75	-44.97	-32.0

Table 7-77. Radiated Spurious Data (PCS GPRS Mode – Ch. 810)

FCC ID: BCGA1895		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 96 of 110

PCS WCDMA Mode

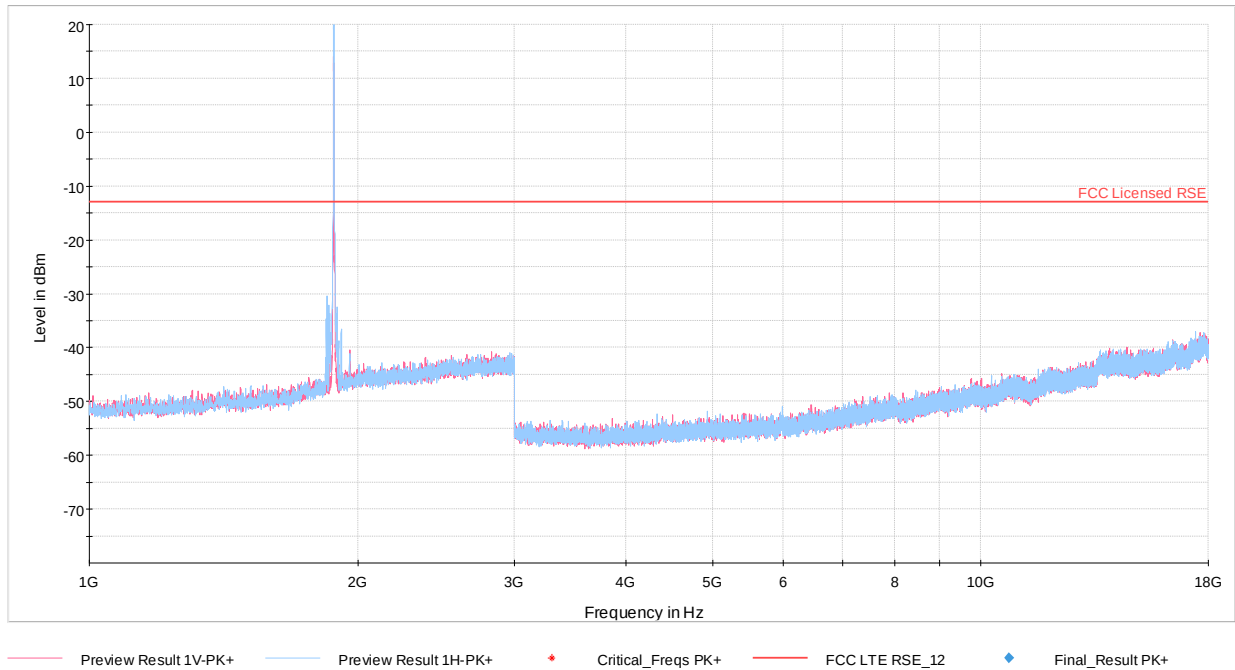


Table 7-78. Radiated Spurious Data (PCS WCDMA Mode)

OPERATING FREQUENCY: 1852.40 MHz

CHANNEL: 9262

MODULATION SIGNAL: WCDMA

DISTANCE: 3 meters

LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3704.80	H	-	-	-69.31	7.09	-62.22	-49.2
5557.20	H	-	-	-71.95	10.07	-61.88	-48.9
7409.60	H	-	-	-71.86	11.60	-60.27	-47.3

Table 7-79. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9262)

FCC ID: BCGA1895	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 97 of 110

OPERATING FREQUENCY: 1880.00 MHz
CHANNEL: 9400
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3760.00	H	-	-	-69.40	7.10	-62.30	-49.3
5640.00	H	-	-	-71.38	10.04	-61.34	-48.3
7520.00	H	-	-	-72.00	11.68	-60.31	-47.3

Table 7-80. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9400)

OPERATING FREQUENCY: 1907.60 MHz
CHANNEL: 9538
MODULATION SIGNAL: WCDMA
DISTANCE: 3 meters
LIMIT: -13 dBm

Frequency [MHz]	Ant. Pol. [H/V]	Antenna Height [cm]	Turntable Azimuth [degree]	Level at Antenna Terminals [dBm]	Substitute Antenna Gain [dBi]	Spurious Emission Level [dBm]	Margin [dB]
3815.20	H	-	-	-69.56	7.29	-62.27	-49.3
5722.80	H	-	-	-71.64	10.05	-61.59	-48.6
7630.40	H	-	-	-71.95	11.75	-60.21	-47.2

Table 7-81. Radiated Spurious Data (PCS WCDMA Mode – Ch. 9538)

FCC ID: BCGA1895		MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device		Page 98 of 110

7.8 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 22, RSS-132, and RSS-133, the frequency stability of the transmitter shall be maintained within $\pm 0.00025\%$ (± 2.5 ppm) of the center frequency. For Part 24, Part 27, and RSS-139, 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

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Frequency Stability / Temperature Variation

OPERATING FREQUENCY: 836,600,000 Hz

CHANNEL: 190

REFERENCE VOLTAGE: 3.80 VDC

DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	836,600,005	5	0.0000005
100 %		- 20	836,600,005	5	0.0000006
100 %		- 10	836,600,006	6	0.0000007
100 %		0	836,600,007	7	0.0000008
100 %		+ 10	836,600,006	6	0.0000007
100 %		+ 20	836,600,005	5	0.0000006
100 %		+ 30	836,600,006	6	0.0000007
100 %		+ 40	836,600,005	5	0.0000006
100 %		+ 50	836,600,005	5	0.0000006
BATT. ENDPOINT	3.40	+ 20	836,600,006	6	0.0000007

Table 7-82. Frequency Stability Data (Cellular GPRS Mode – Ch. 190)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 100 of 110

Frequency Stability / Temperature Variation

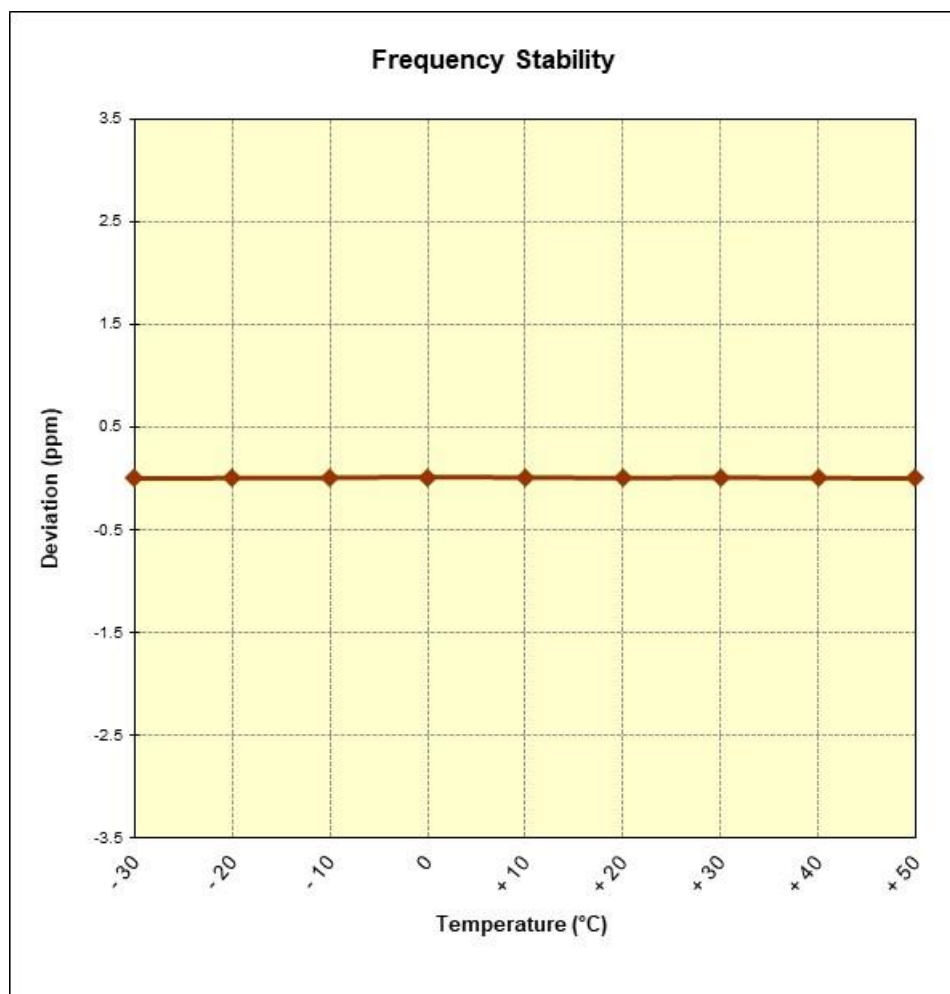


Figure 7-7. Frequency Stability Graph (Cellular GPRS Mode – Ch. 190)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 101 of 110

Frequency Stability / Temperature Variation

OPERATING FREQUENCY:	836,600,000	Hz
CHANNEL:	4183	
REFERENCE VOLTAGE:	3.80	VDC
DEVIATION LIMIT:	± 0.00025 % or 2.5 ppm	

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	836,600,005	5	0.0000006
100 %		- 20	836,600,005	5	0.0000006
100 %		- 10	836,600,005	5	0.0000006
100 %		0	836,600,008	8	0.0000009
100 %		+ 10	836,600,006	6	0.0000007
100 %		+ 20	836,600,006	6	0.0000007
100 %		+ 30	836,600,006	6	0.0000007
100 %		+ 40	836,600,005	5	0.0000006
100 %		+ 50	836,600,006	6	0.0000007
BATT. ENDPOINT	3.40	+ 20	836,600,007	7	0.0000008

Table 7-83. Frequency Stability Data (Cellular WCDMA Mode – Ch. 4183)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 102 of 110

Frequency Stability / Temperature Variation

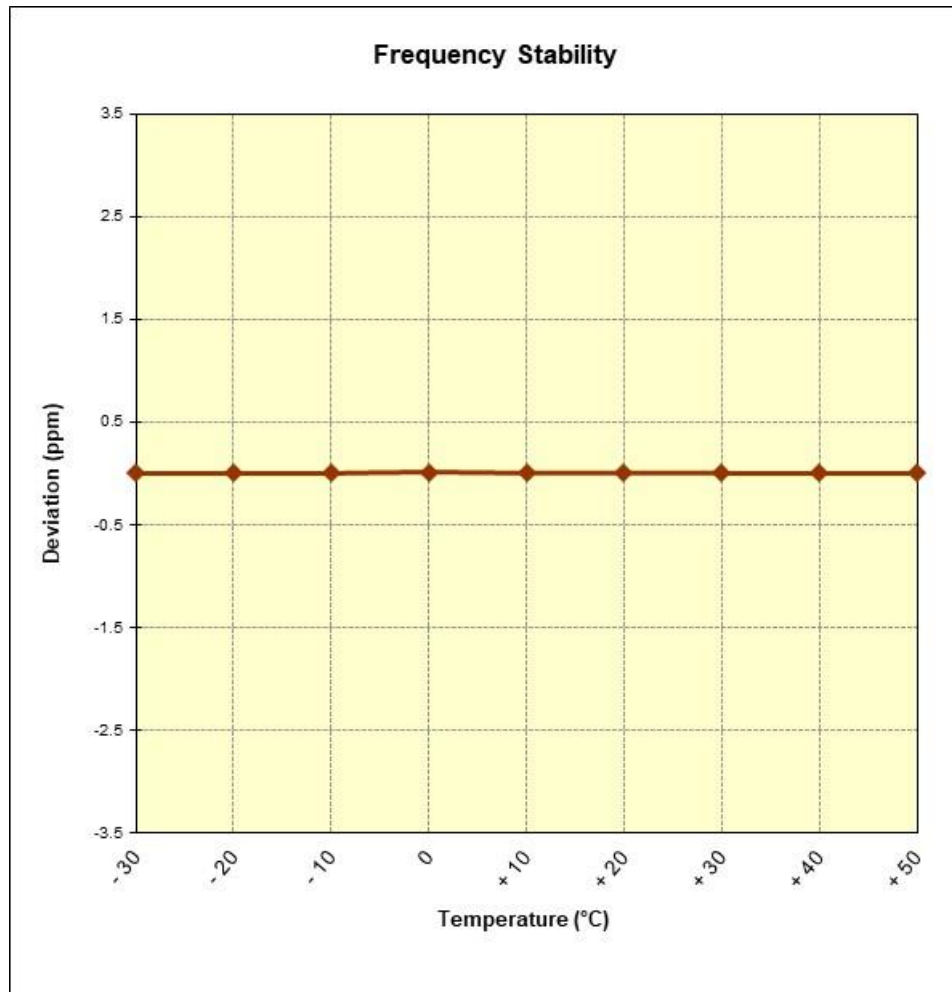


Figure 7-8. Frequency Stability Graph (Cellular WCDMA Mode – Ch. 4183)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 103 of 110

Frequency Stability / Temperature Variation

OPERATING FREQUENCY: 1,732,600,000 Hz
 CHANNEL: 1413
 REFERENCE VOLTAGE: 3.80 VDC

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,732,600,008	8	0.0000004
100 %		- 20	1,732,600,008	8	0.0000005
100 %		- 10	1,732,600,005	5	0.0000003
100 %		0	1,732,600,005	5	0.0000003
100 %		+ 10	1,732,600,007	7	0.0000004
100 %		+ 20	1,732,600,006	6	0.0000004
100 %		+ 30	1,732,600,006	6	0.0000004
100 %		+ 40	1,732,600,005	5	0.0000003
100 %		+ 50	1,732,600,007	7	0.0000004
BATT. ENDPOINT	3.40	+ 20	1,732,600,007	7	0.0000004

Table 7-84. Frequency Stability Data (AWS WCDMA Mode – Ch. 1413)

Note:

Based on the results of the frequency stability test at the center channel the frequency deviation results measured are very small. As such it is determined that the channels at the band edge would remain in-band when the maximum measured frequency deviation noted during the frequency stability tests is applied. Therefore the device is determined to remain operating in band over the temperature and voltage range as tested.

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 104 of 110

Frequency Stability / Temperature Variation

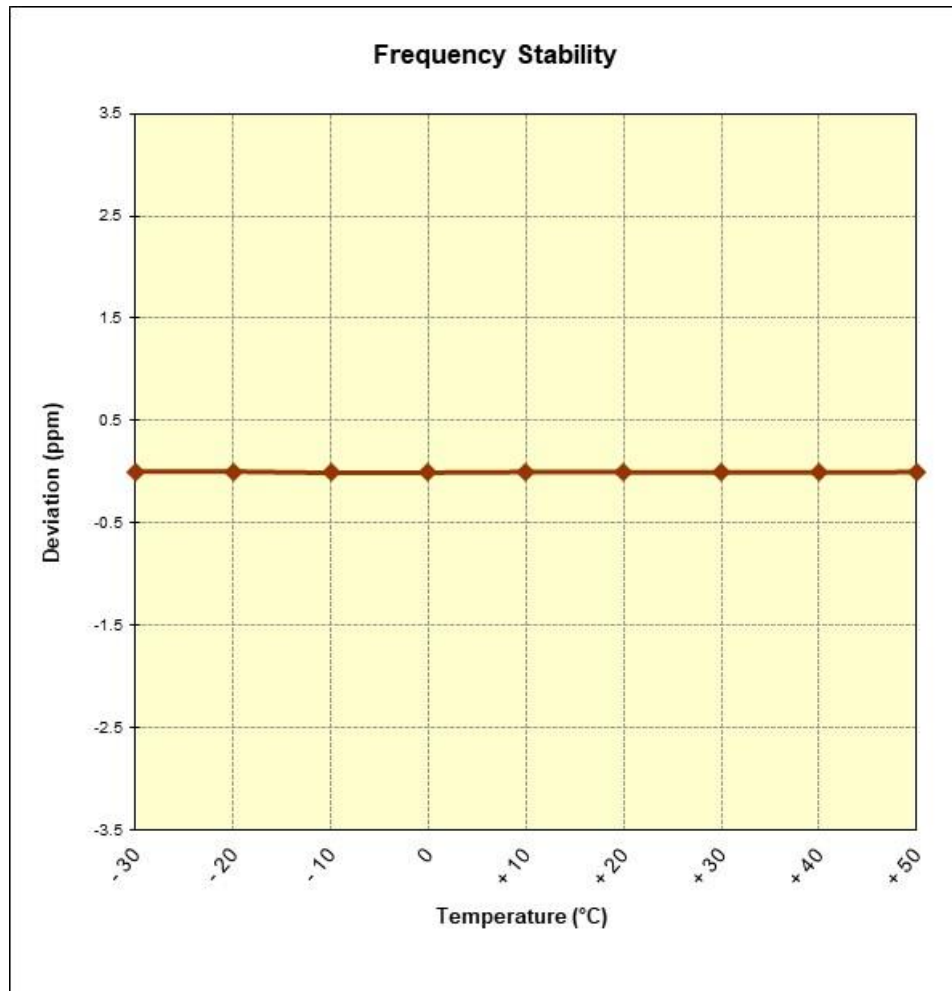


Figure 7-9. Frequency Stability Graph (AWS WCDMA Mode – Ch. 1413)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 105 of 110

Frequency Stability / Temperature Variation

OPERATING FREQUENCY: 1,880,000,000 Hz

CHANNEL: 661

REFERENCE VOLTAGE: 3.80 VDC

DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,880,000,008	8	0.0000004
100 %		- 20	1,879,999,999	-1	-0.0000001
100 %		- 10	1,880,000,012	12	0.0000006
100 %		0	1,879,999,992	-8	-0.0000004
100 %		+ 10	1,879,999,992	-8	-0.0000004
100 %		+ 20	1,879,999,981	-19	-0.0000010
100 %		+ 30	1,880,000,007	7	0.0000004
100 %		+ 40	1,880,000,004	4	0.0000002
100 %		+ 50	1,880,000,009	9	0.0000005
BATT. ENDPOINT	3.40	+ 20	1,879,999,997	-3	-0.0000001

Table 7-85. Frequency Stability Data (PCS GPRS Mode – Ch. 661)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 106 of 110

Frequency Stability / Temperature Variation

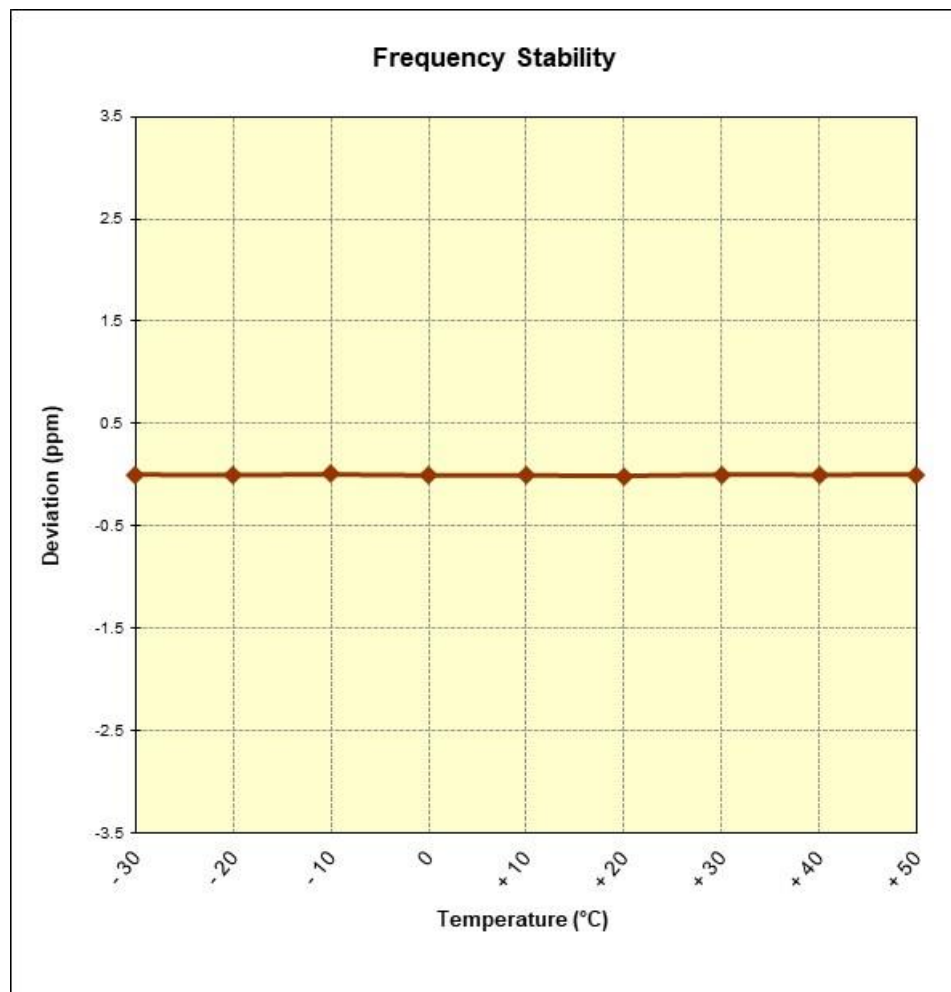


Figure 7-10. Frequency Stability Graph (PCS GPRS Mode – Ch. 661)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 107 of 110

Frequency Stability / Temperature Variation

OPERATING FREQUENCY: 1,880,000,000 Hz

CHANNEL: 9400

REFERENCE VOLTAGE: 3.80 VDC

DEVIATION LIMIT: ± 0.00025 % or 2.5 ppm

VOLTAGE (%)	POWER (VDC)	TEMP (°C)	FREQUENCY (Hz)	Freq. Dev. (Hz)	Deviation (%)
100 %	3.80	- 30	1,880,000,008	8	0.0000004
100 %		- 20	1,879,999,999	-1	-0.0000001
100 %		- 10	1,880,000,012	12	0.0000006
100 %		0	1,879,999,992	-8	-0.0000004
100 %		+ 10	1,879,999,992	-8	-0.0000004
100 %		+ 20	1,879,999,981	-19	-0.0000010
100 %		+ 30	1,880,000,007	7	0.0000004
100 %		+ 40	1,880,000,004	4	0.0000002
100 %		+ 50	1,880,000,009	9	0.0000005
BATT. ENDPOINT	3.40	+ 20	1,879,999,997	-3	-0.0000001

Table 7-86. Frequency Stability Data (PCS WCDMA Mode – Ch. 9400)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 108 of 110

Frequency Stability / Temperature Variation

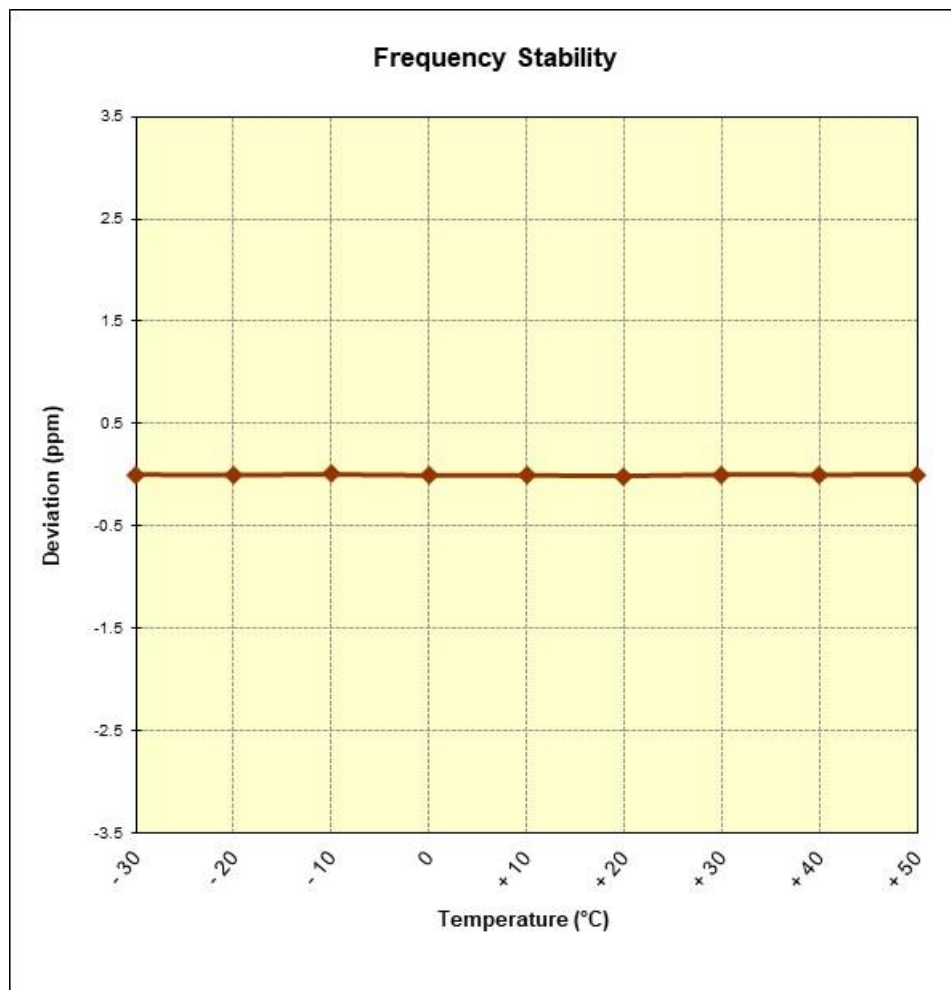


Figure 7-11. Frequency Stability Graph (PCS WCDMA Mode – Ch. 9400)

FCC ID: BCGA1895	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 109 of 110

8.0 CONCLUSION

The data collected relate only to the item(s) tested and show that the **Apple Inc. Tablet Device FCC ID: BCGA1895** complies with all the requirements of Part 22, 24 & 27 of the FCC Rules and RSS-132, RSS-133, RSS-139 of the Innovation, Science and Economic Development Canada Rules.

FCC ID: BCGA1895		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1806220014-02-R1.BCG	Test Dates: 7/31/2018-10/18/2018	EUT Type: Tablet Device	Page 110 of 110