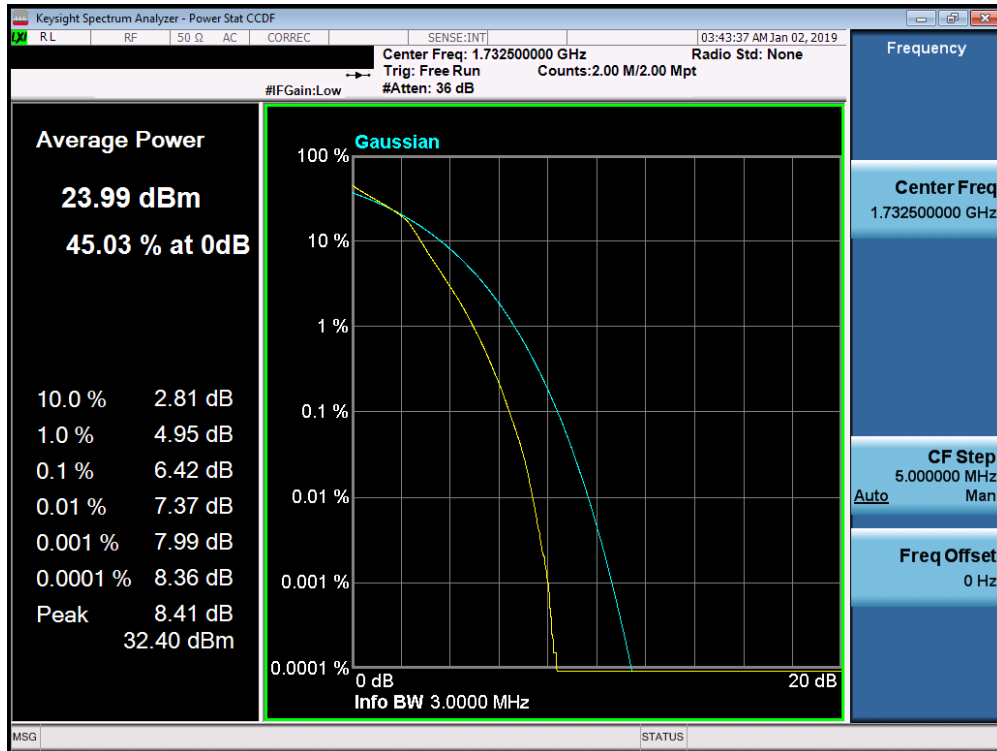
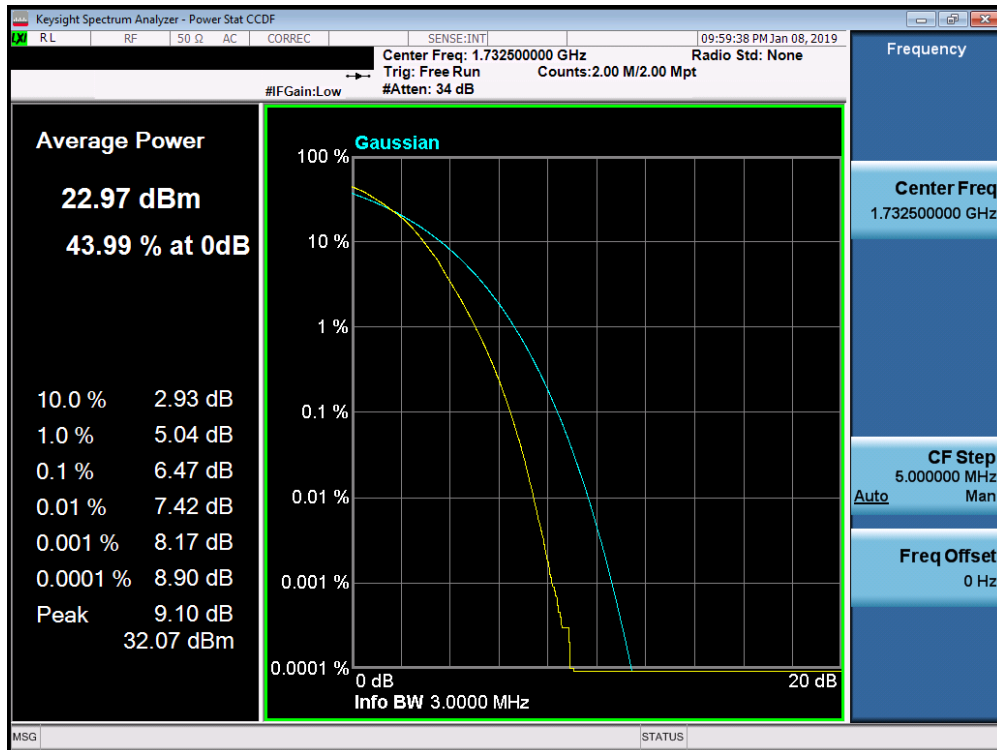


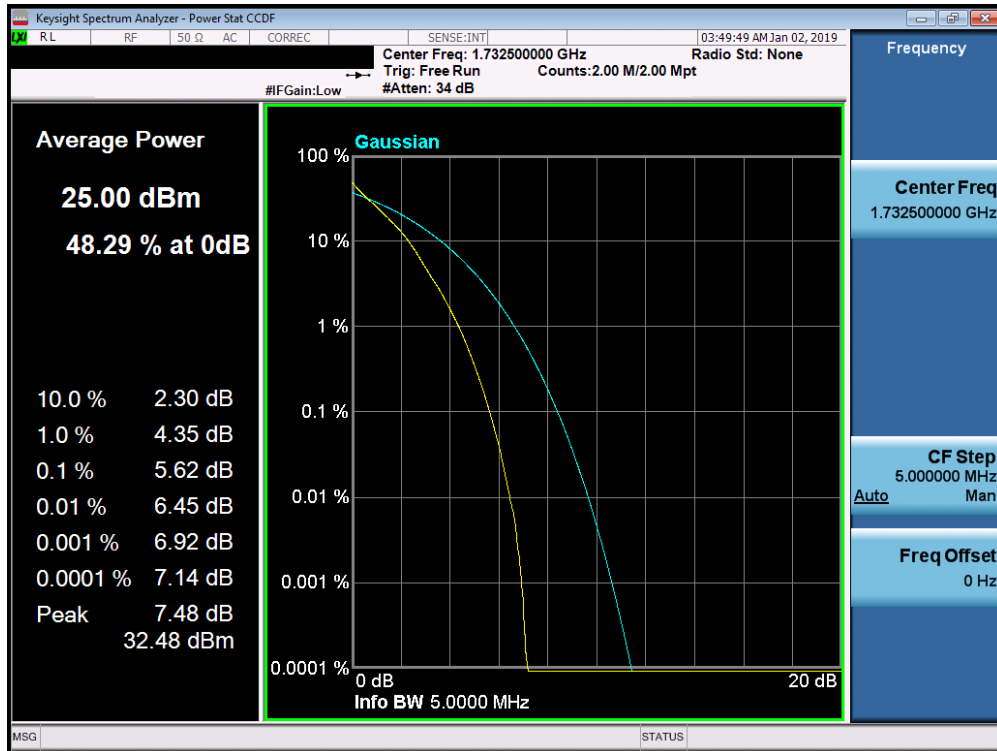


Plot 7-329. PAR Plot (Band 4 - 3.0MHz 16-QAM - Full RB Configuration)

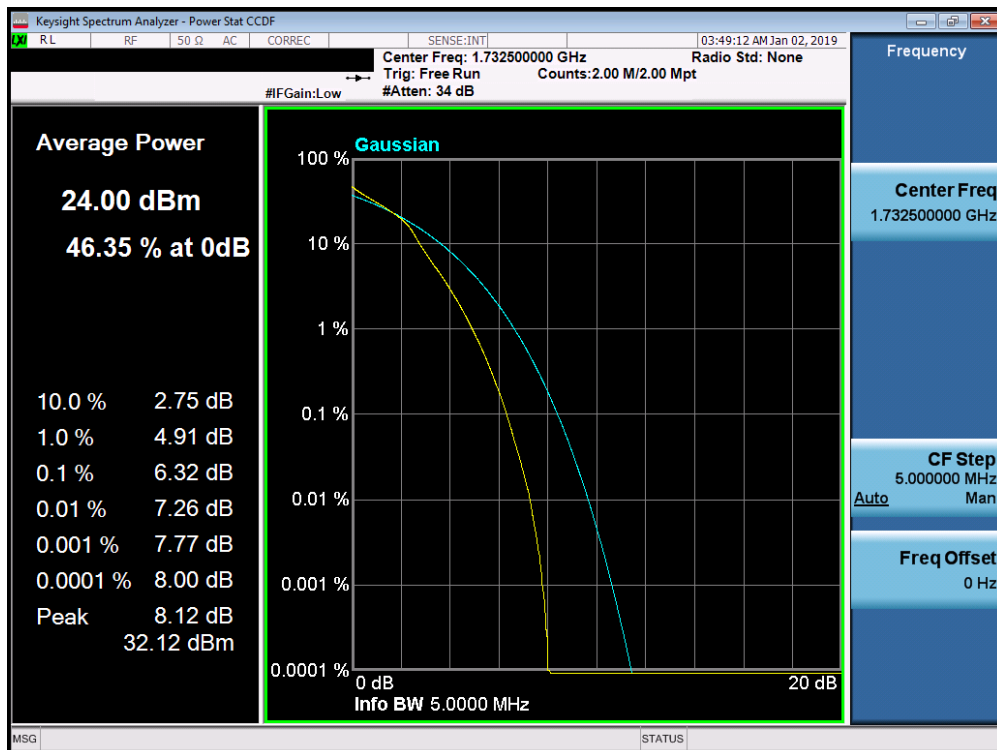


Plot 7-330. PAR Plot (Band 4 - 3.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 195 of 340

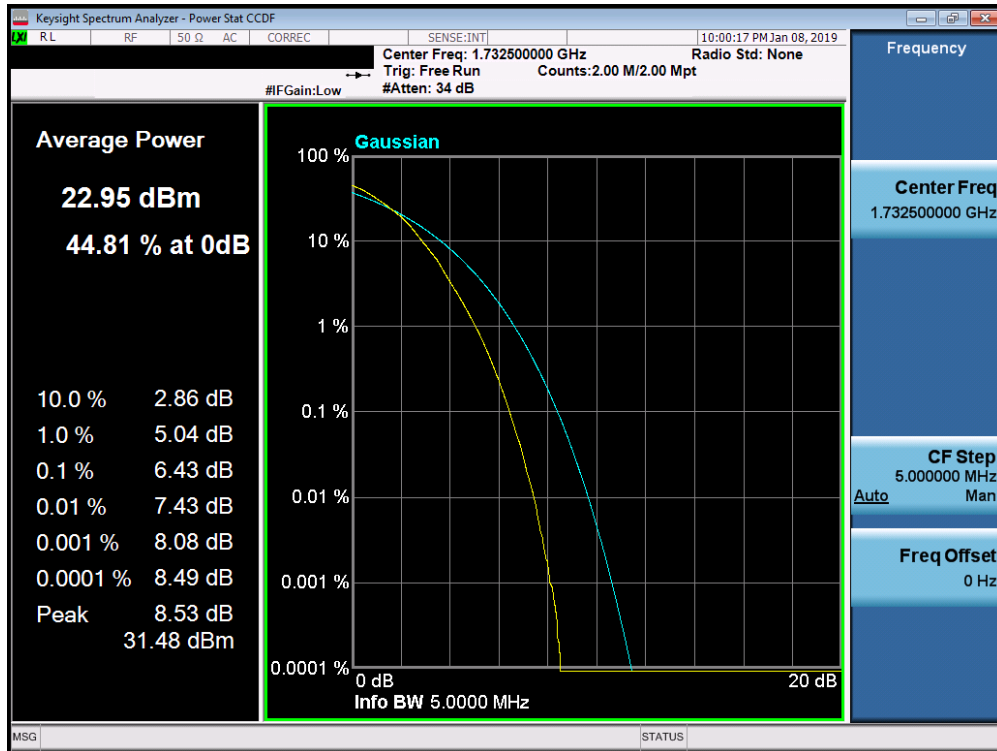


Plot 7-331. PAR Plot (Band 4 - 5.0MHz QPSK - Full RB Configuration)

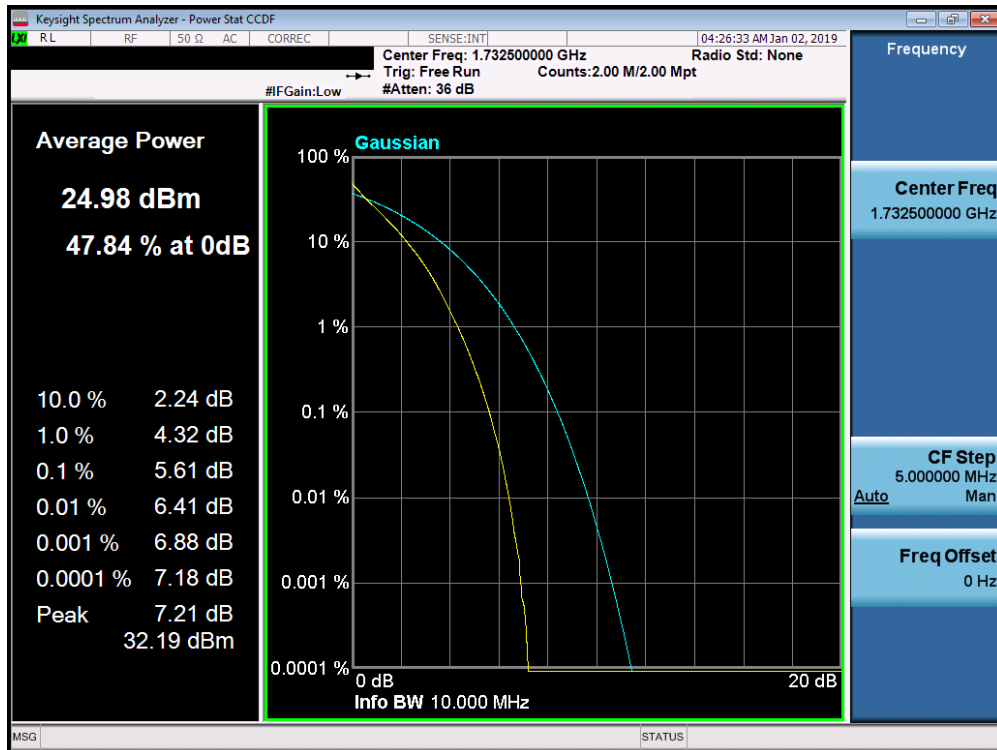


Plot 7-332. PAR Plot (Band 4 - 5.0MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 196 of 340

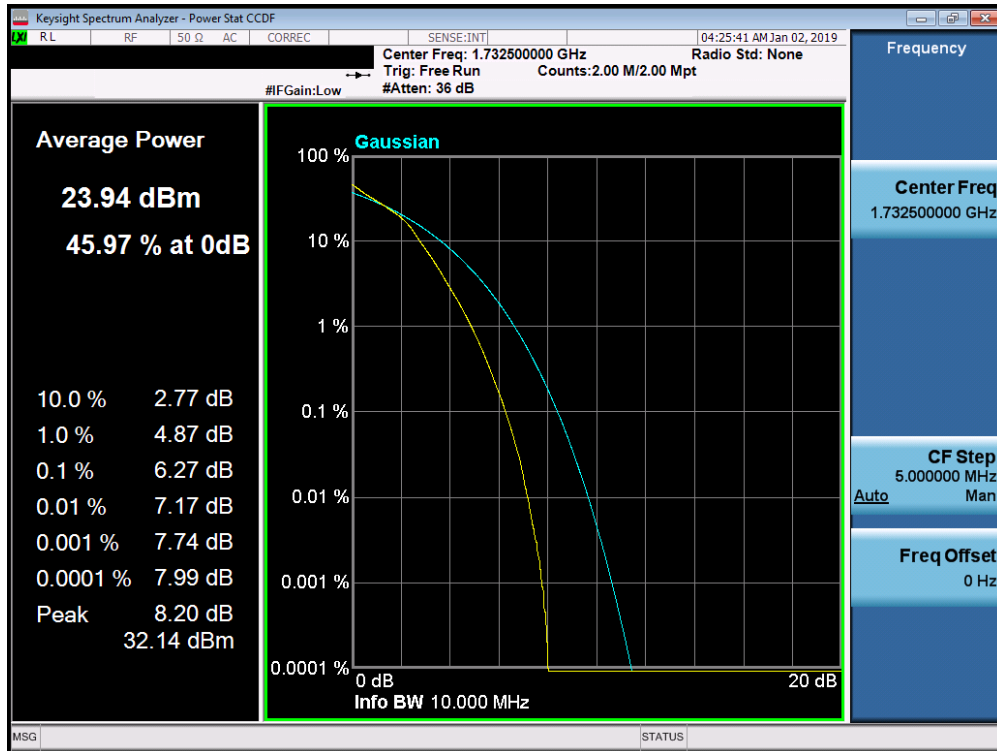


Plot 7-333. PAR Plot (Band 4 - 5.0MHz 64-QAM - Full RB Configuration)

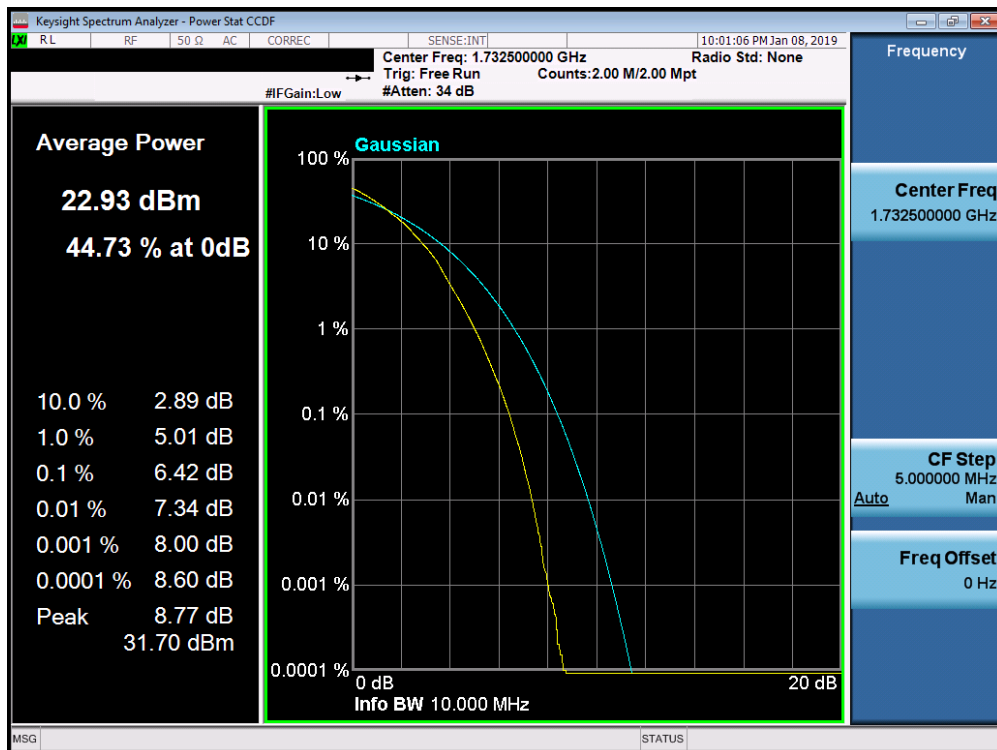


Plot 7-334. PAR Plot (Band 4 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 197 of 340

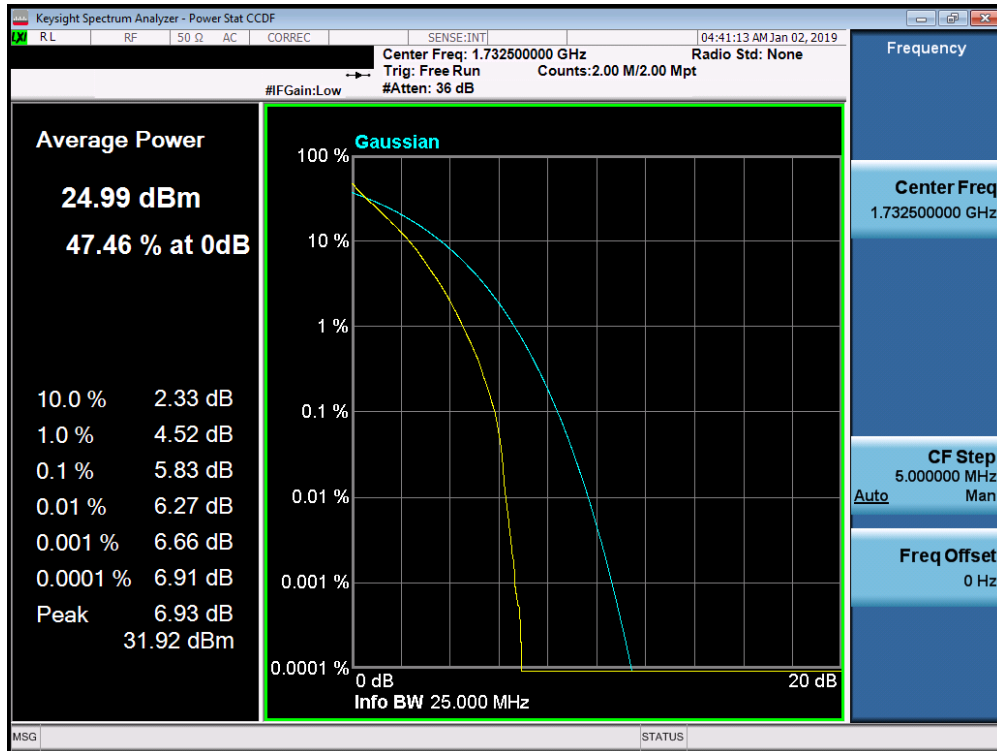


Plot 7-335. PAR Plot (Band 4 - 10.0MHz 16-QAM - Full RB Configuration)

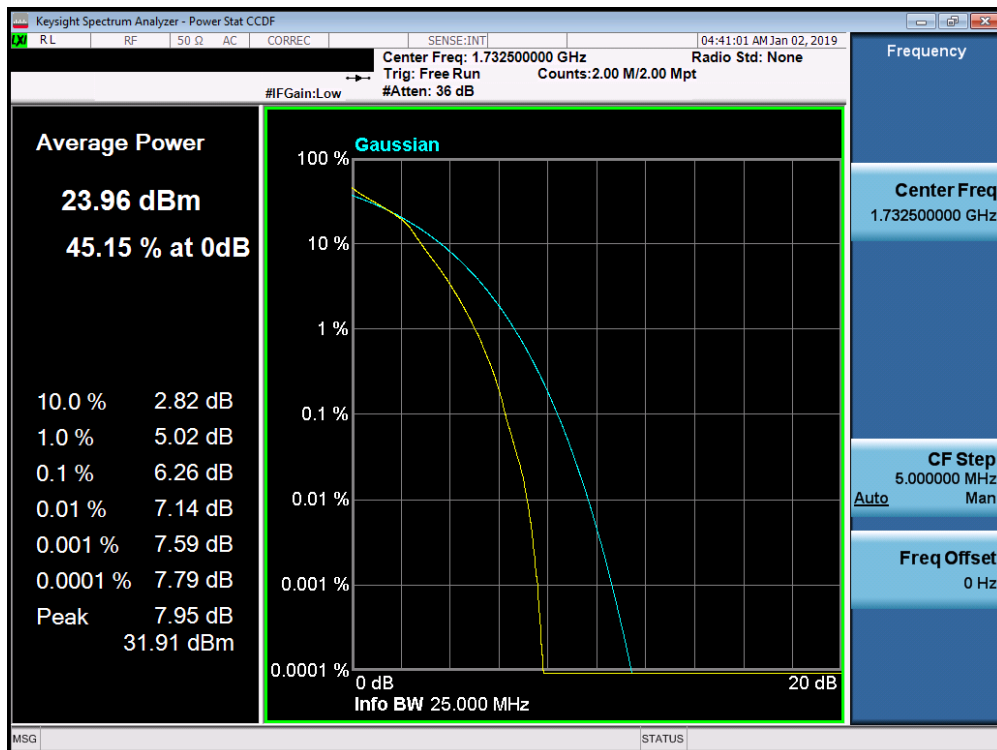


Plot 7-336. PAR Plot (Band 4 - 10.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 198 of 340

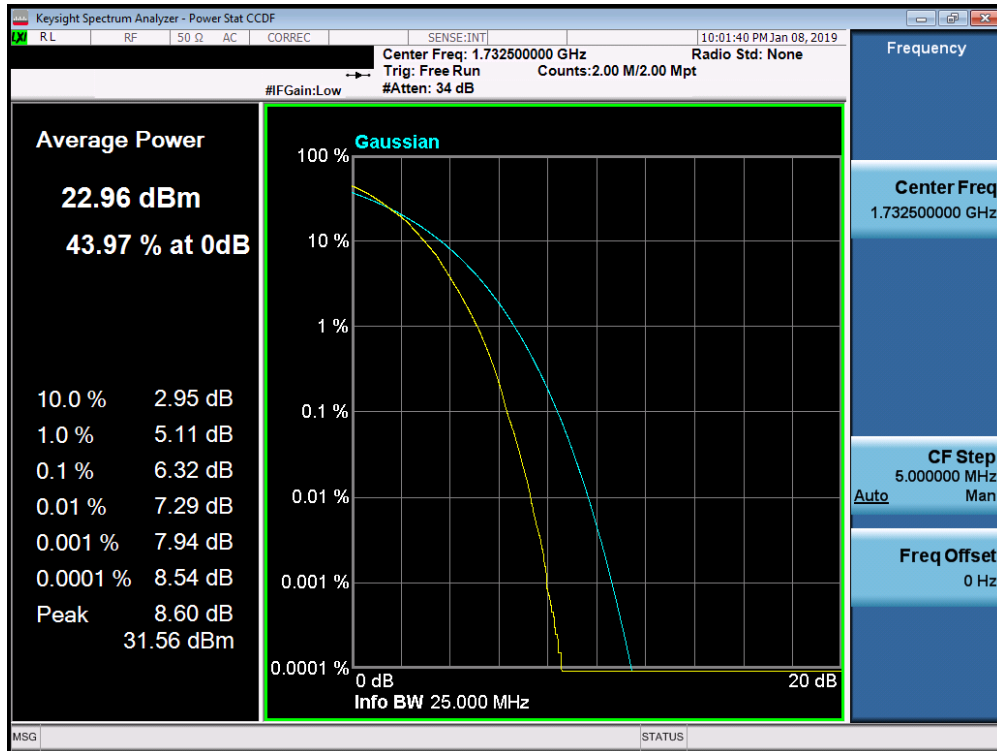


Plot 7-337. PAR Plot (Band 4 - 15.0MHz QPSK - Full RB Configuration)

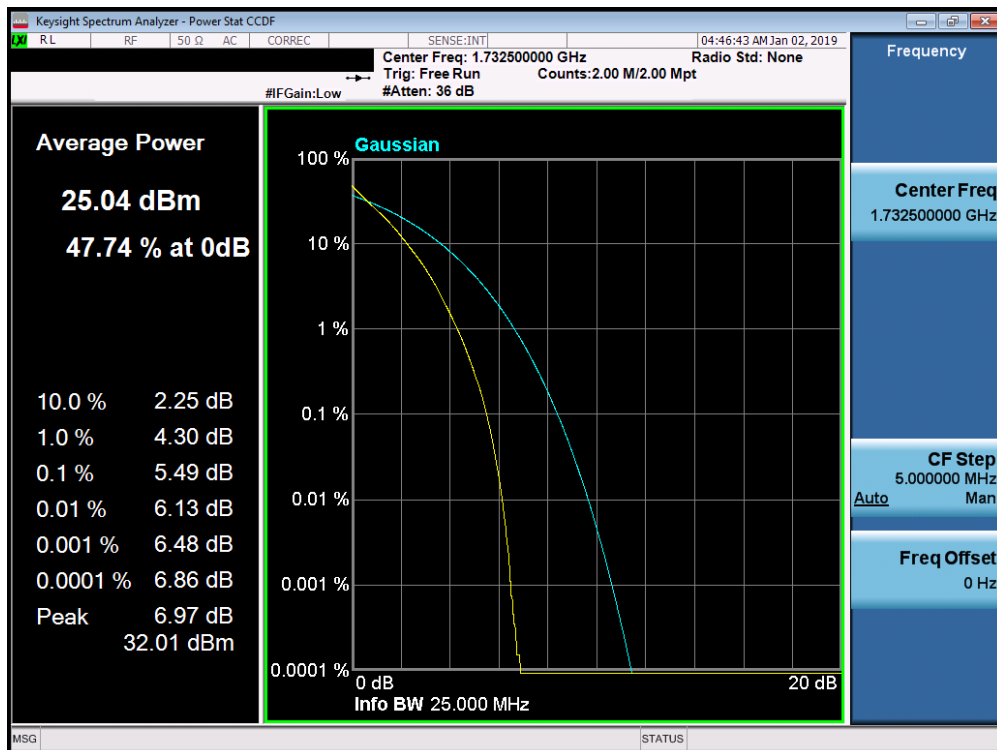


Plot 7-338. PAR Plot (Band 4 - 15.0MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 199 of 340

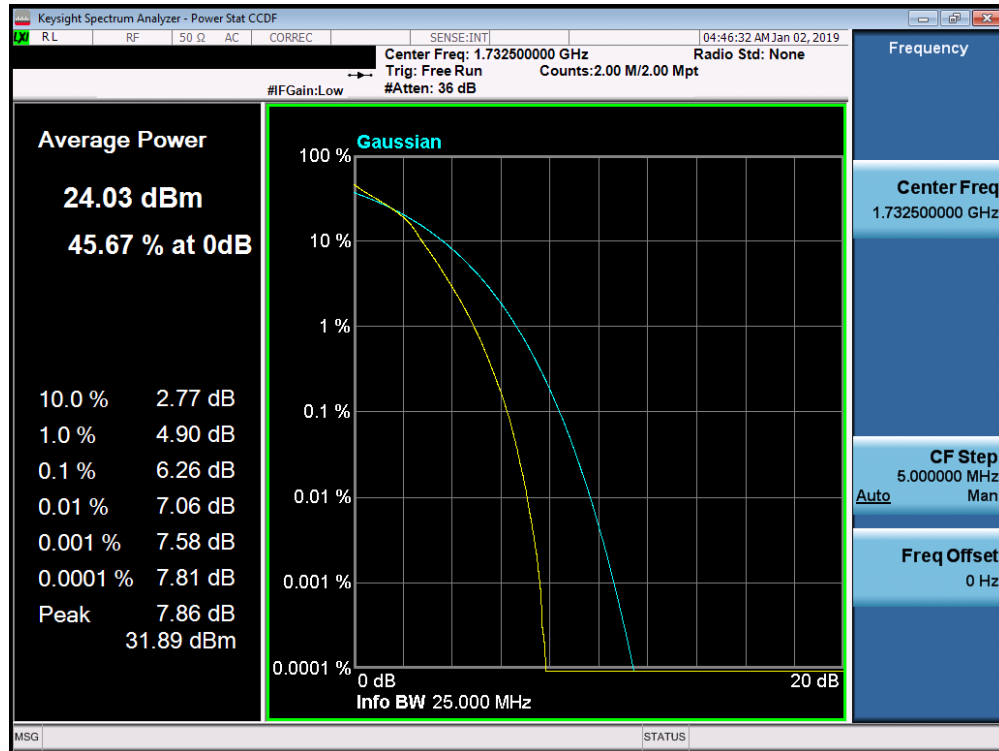


Plot 7-339. PAR Plot (Band 4 - 15.0MHz 64-QAM - Full RB Configuration)

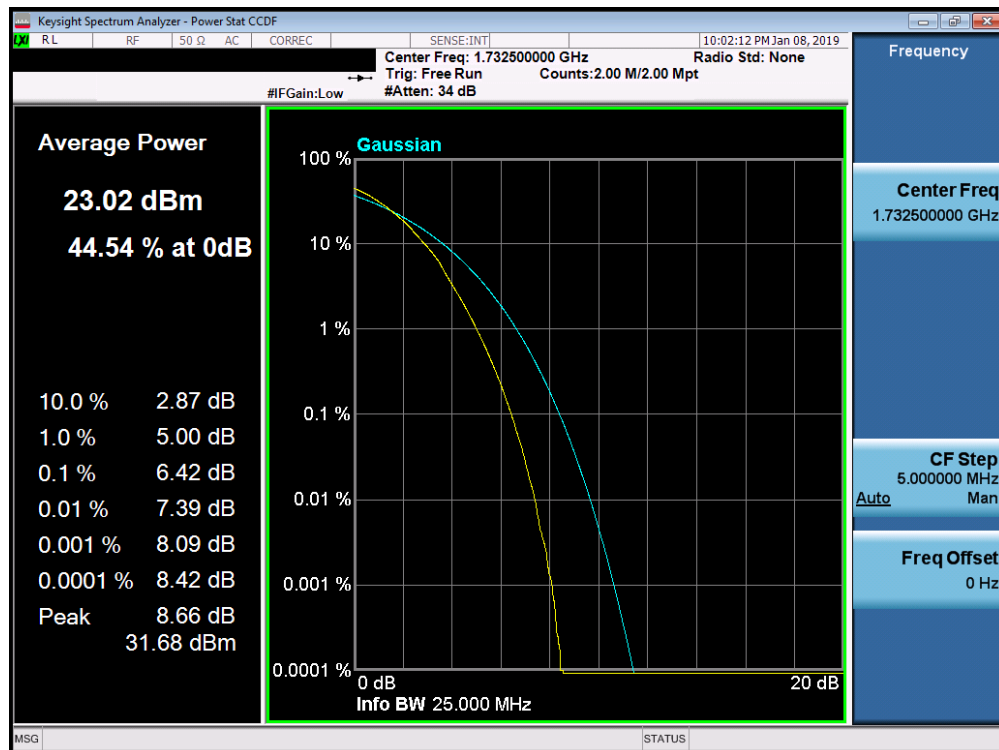


Plot 7-340. PAR Plot (Band 4 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 200 of 340



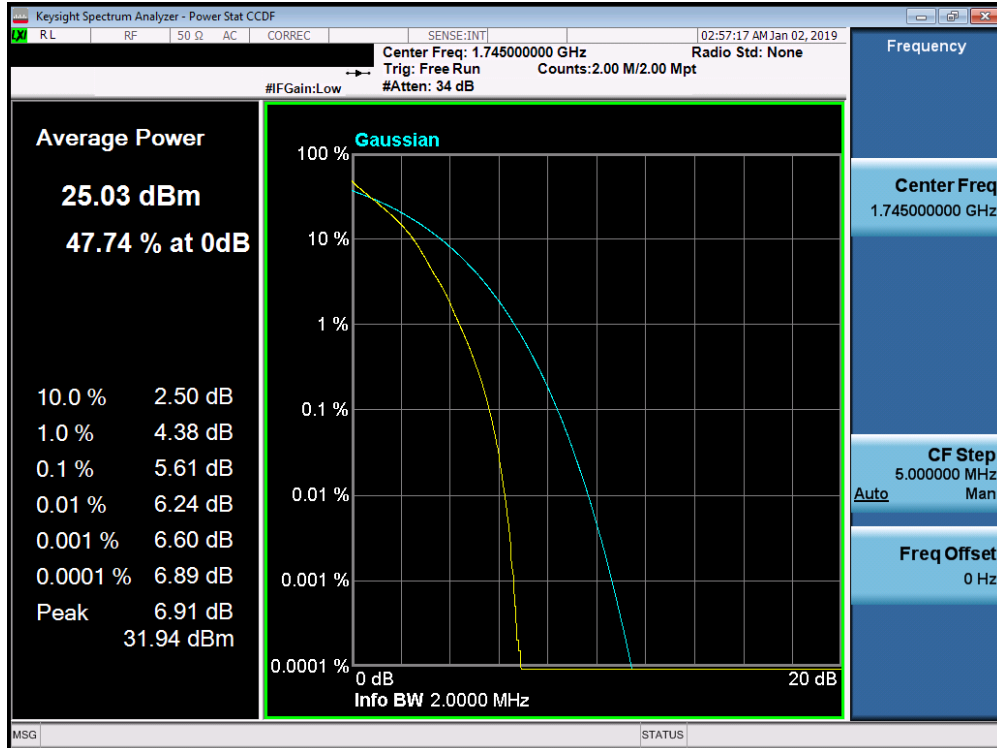
Plot 7-341. PAR Plot (Band 4 - 20.0MHz 16-QAM - Full RB Configuration)



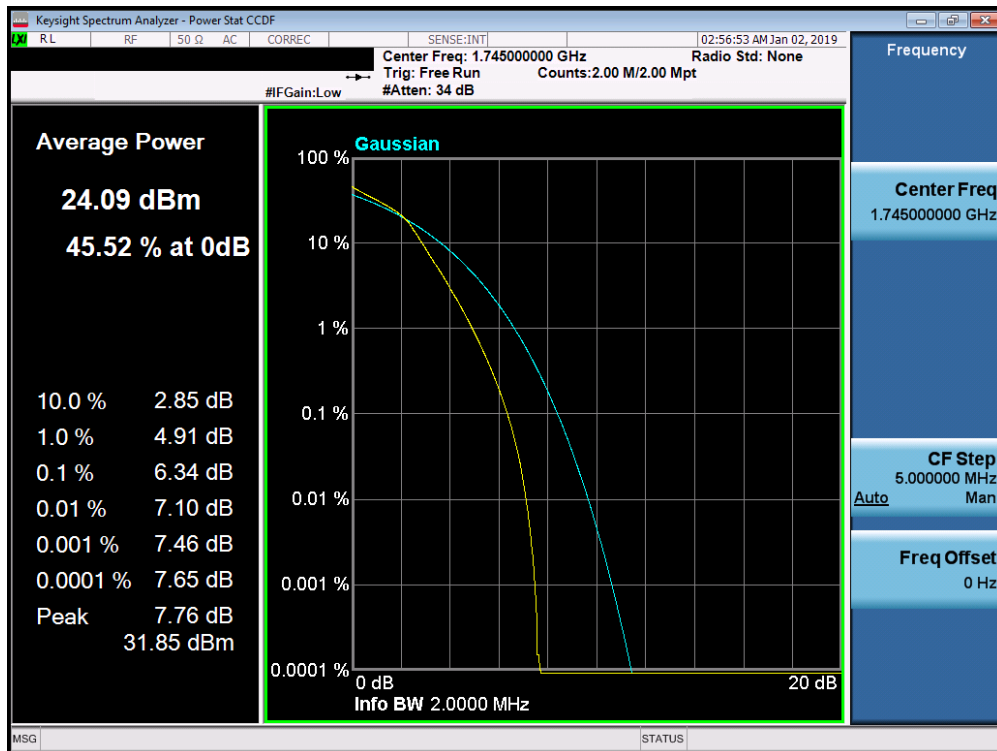
Plot 7-342. PAR Plot (Band 4 - 20.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 201 of 340

Band 66

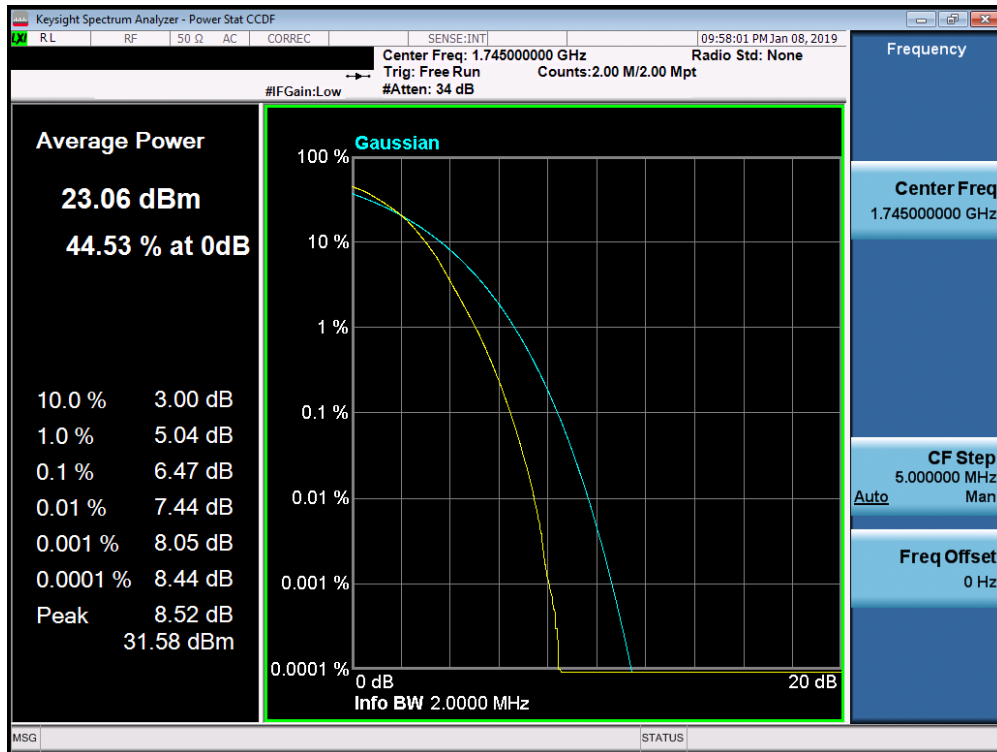


Plot 7-343. PAR Plot (Band 66 - 1.4MHz QPSK - Full RB Configuration)

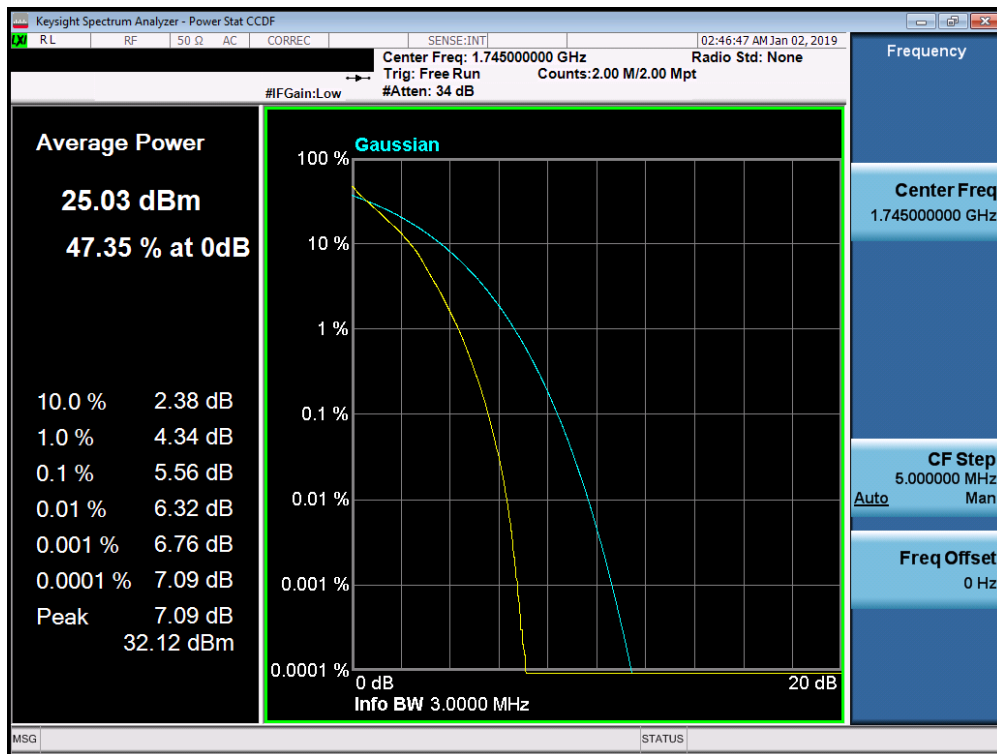


Plot 7-344. PAR Plot (Band 66 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 202 of 340

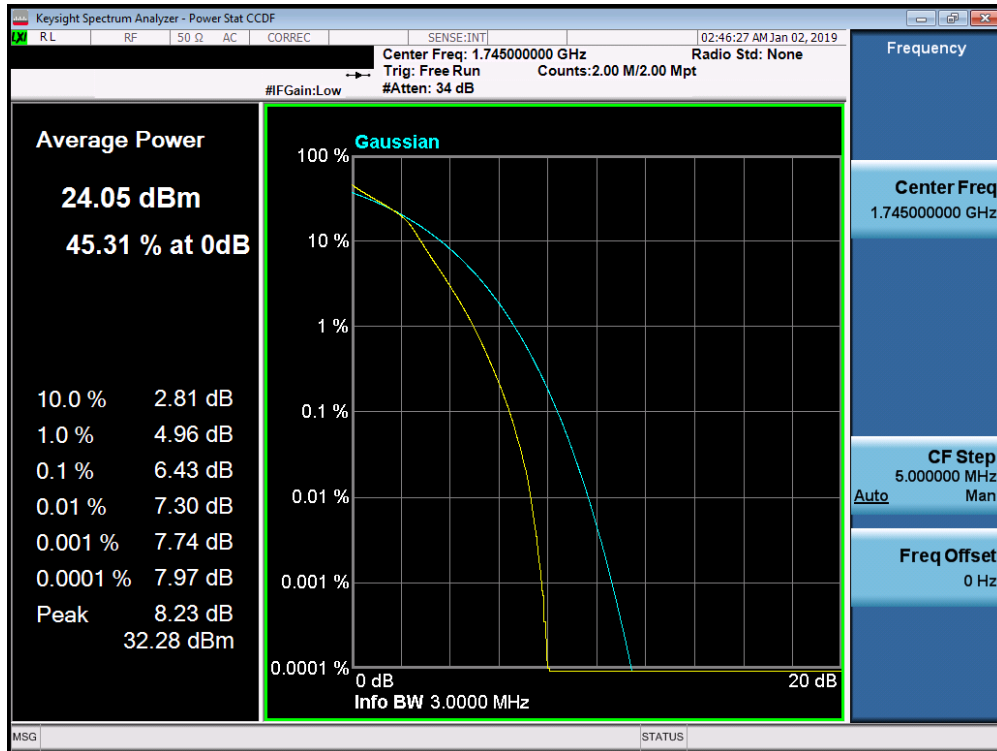


Plot 7-345. PAR Plot (Band 66 - 1.4MHz 64-QAM - Full RB Configuration)

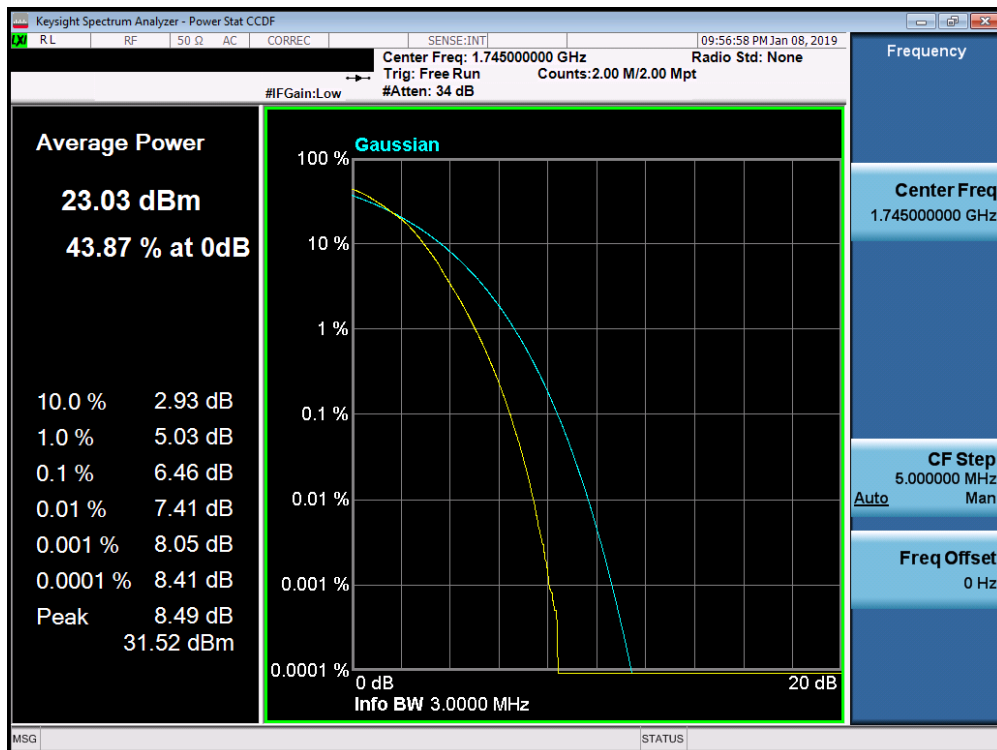


Plot 7-346. PAR Plot (Band 66 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 203 of 340

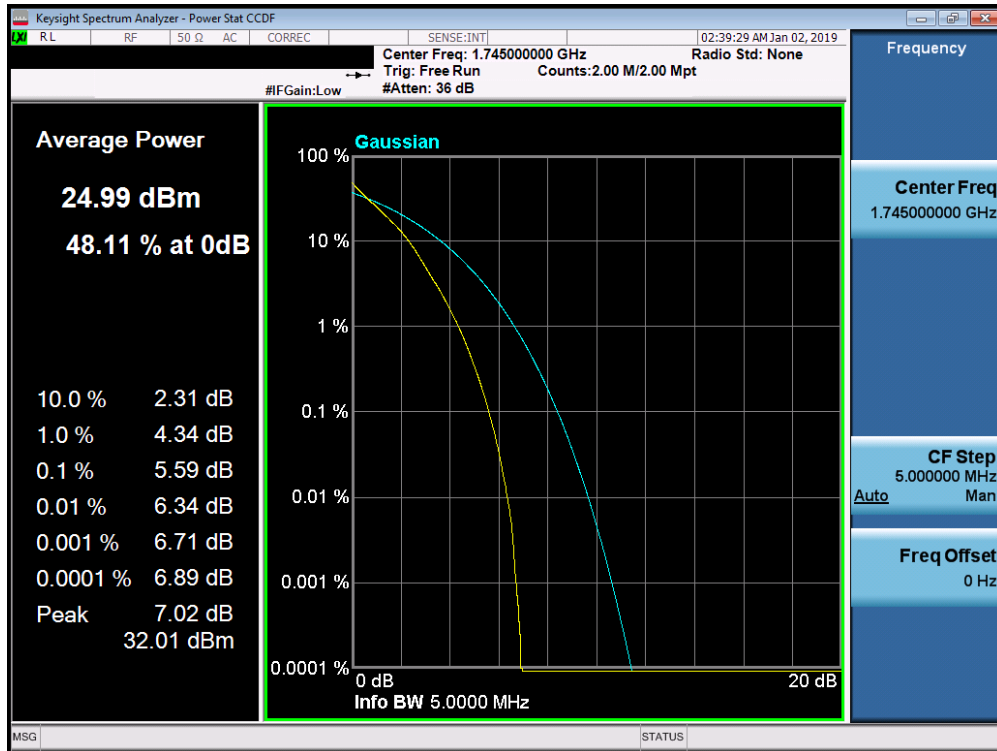


Plot 7-347. PAR Plot (Band 66 - 3.0MHz 16-QAM - Full RB Configuration)

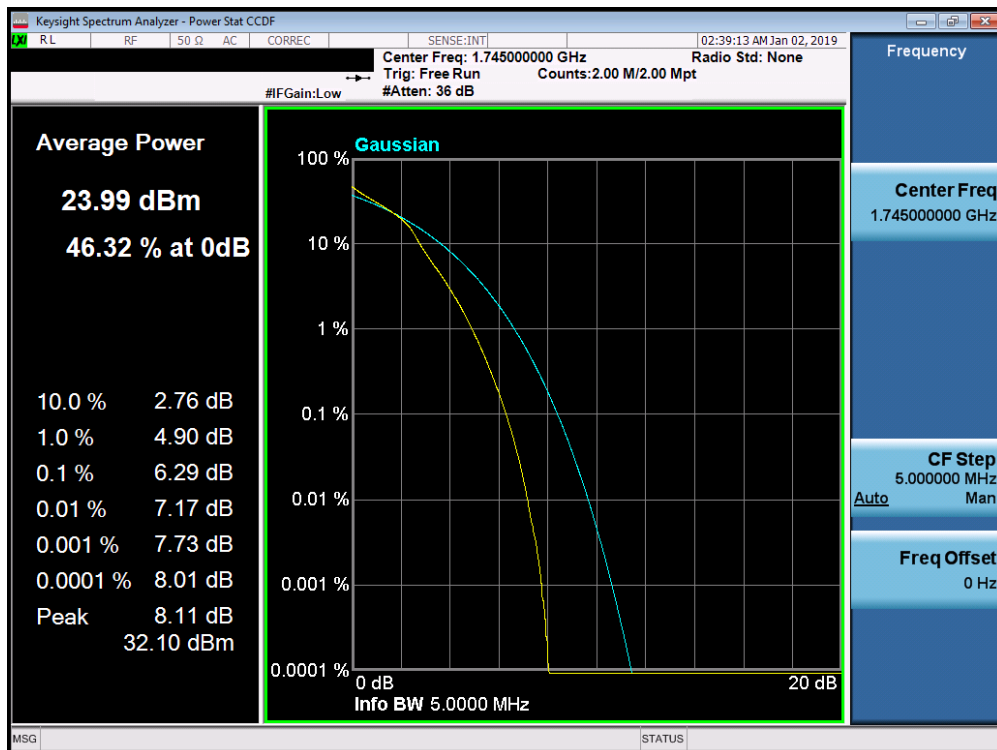


Plot 7-348. PAR Plot (Band 66 - 3.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 204 of 340

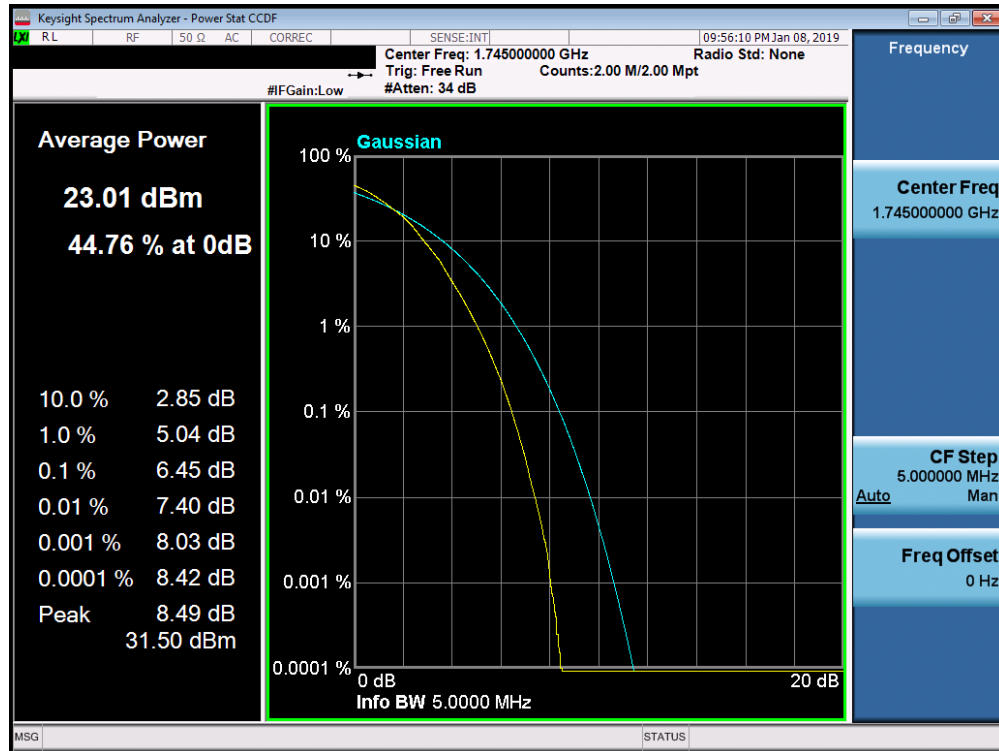


Plot 7-349. PAR Plot (Band 66 - 5.0MHz QPSK - Full RB Configuration)

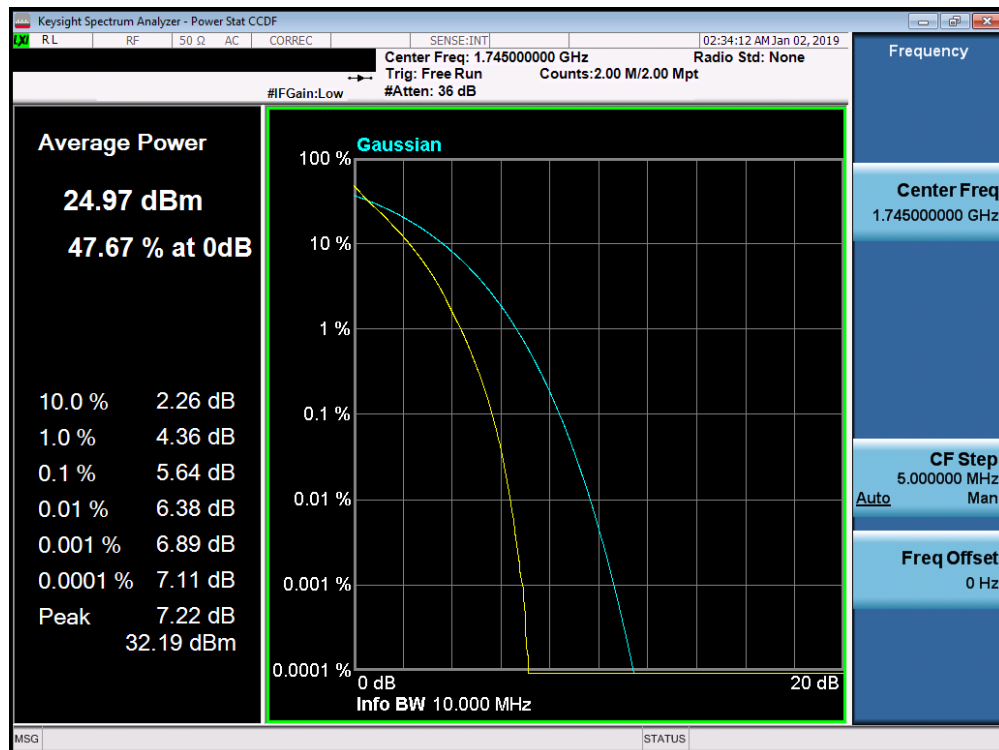


Plot 7-350. PAR Plot (Band 66 - 5.0MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 205 of 340

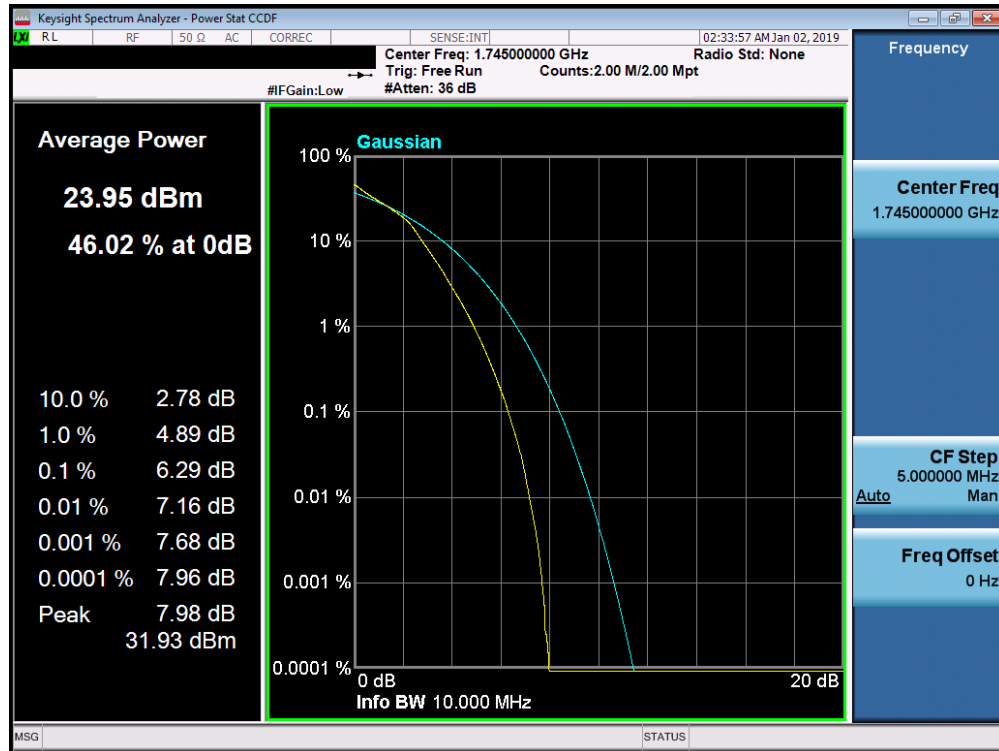


Plot 7-351. PAR Plot (Band 66 - 5.0MHz 64-QAM - Full RB Configuration)

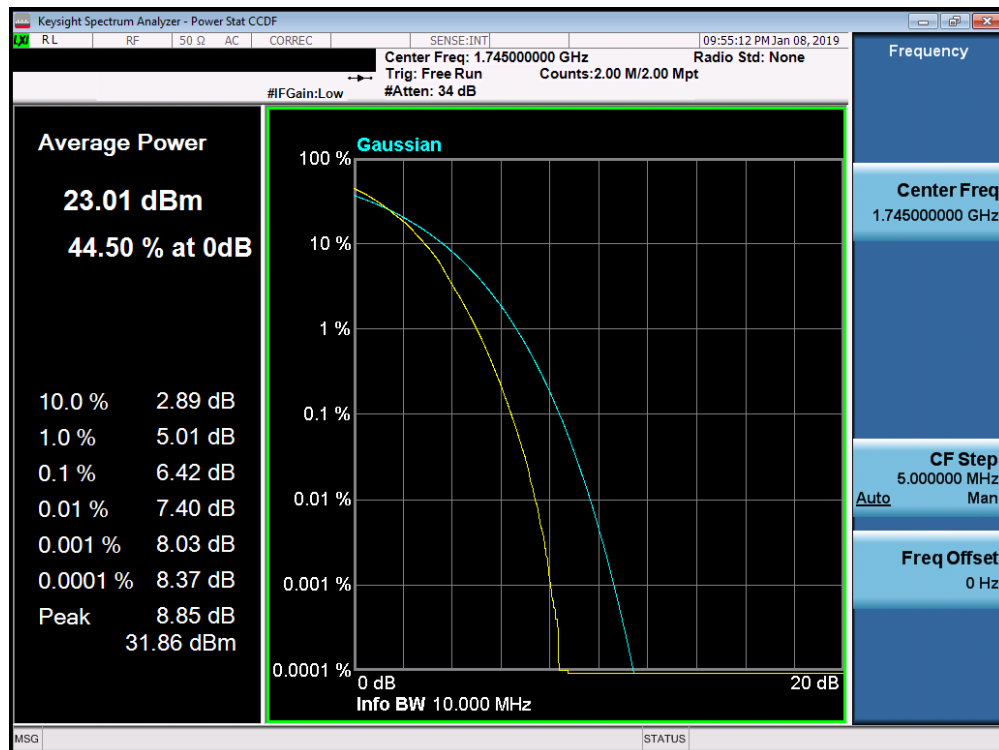


Plot 7-352. PAR Plot (Band 66 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 206 of 340

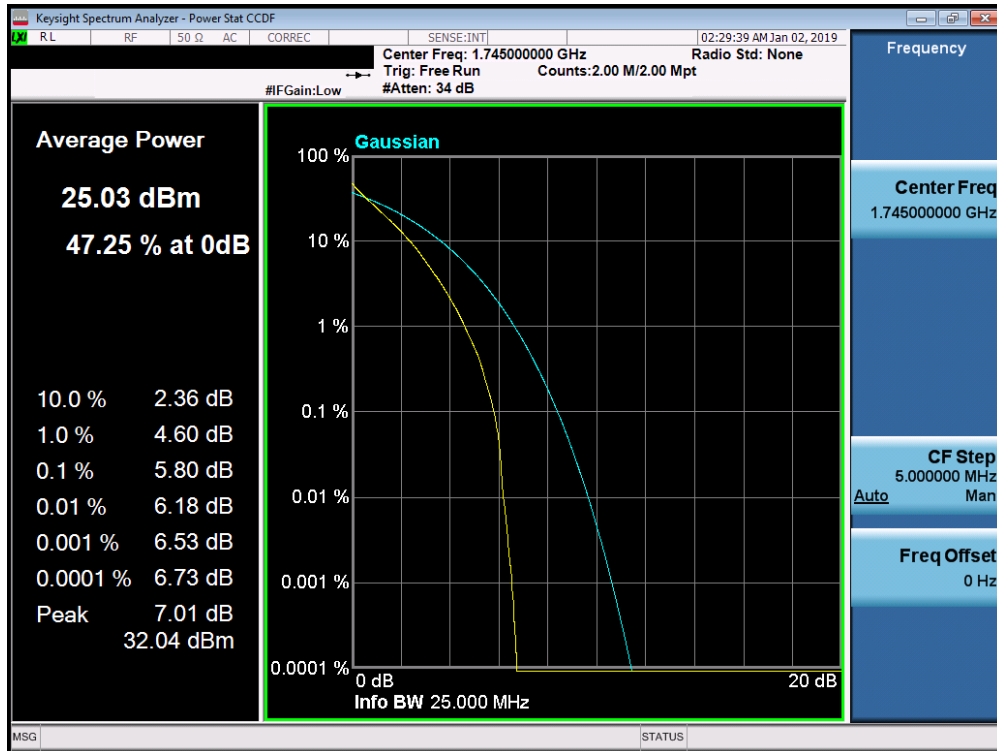


Plot 7-353. PAR Plot (Band 66 - 10.0MHz 16-QAM - Full RB Configuration)

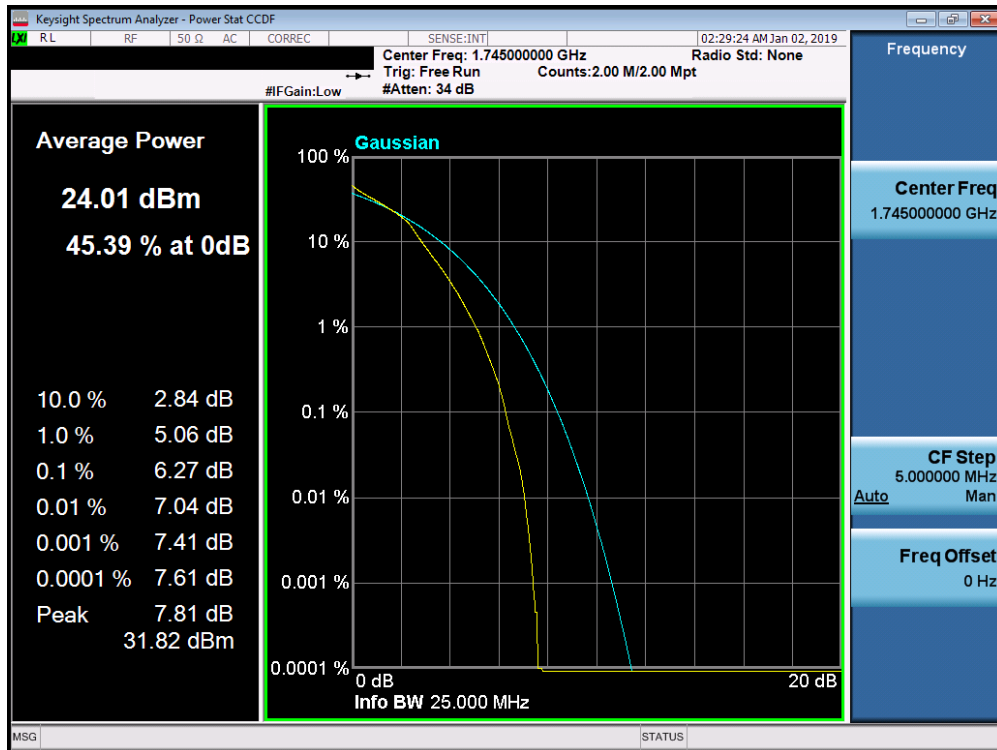


Plot 7-354. PAR Plot (Band 66 - 10.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 207 of 340

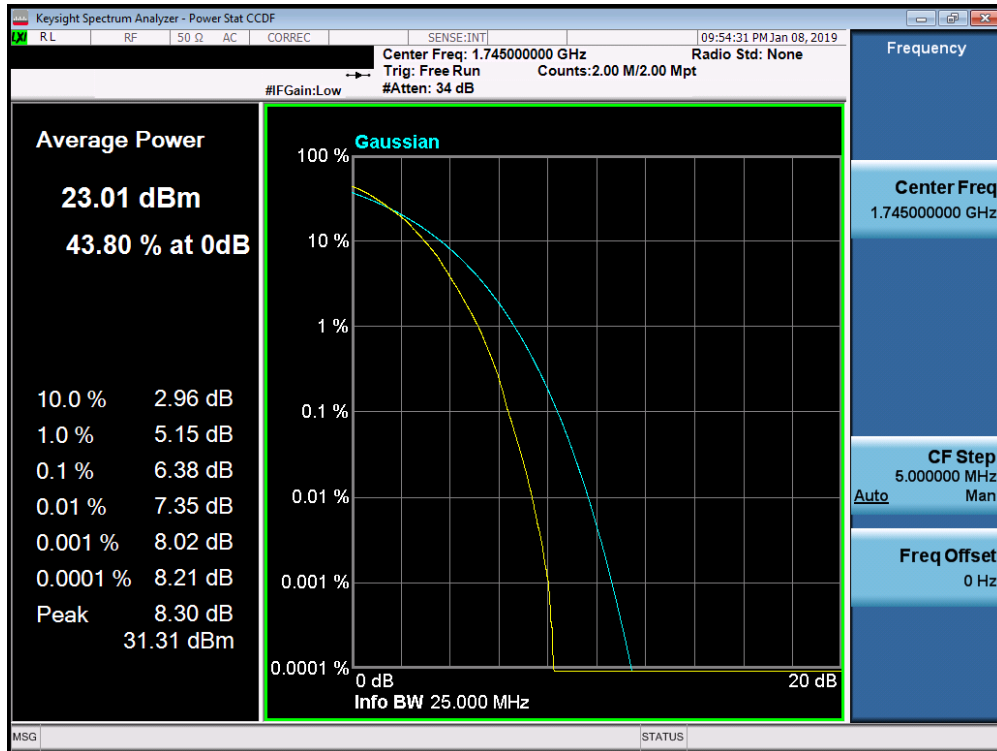


Plot 7-355. PAR Plot (Band 66 - 15.0MHz QPSK - Full RB Configuration)

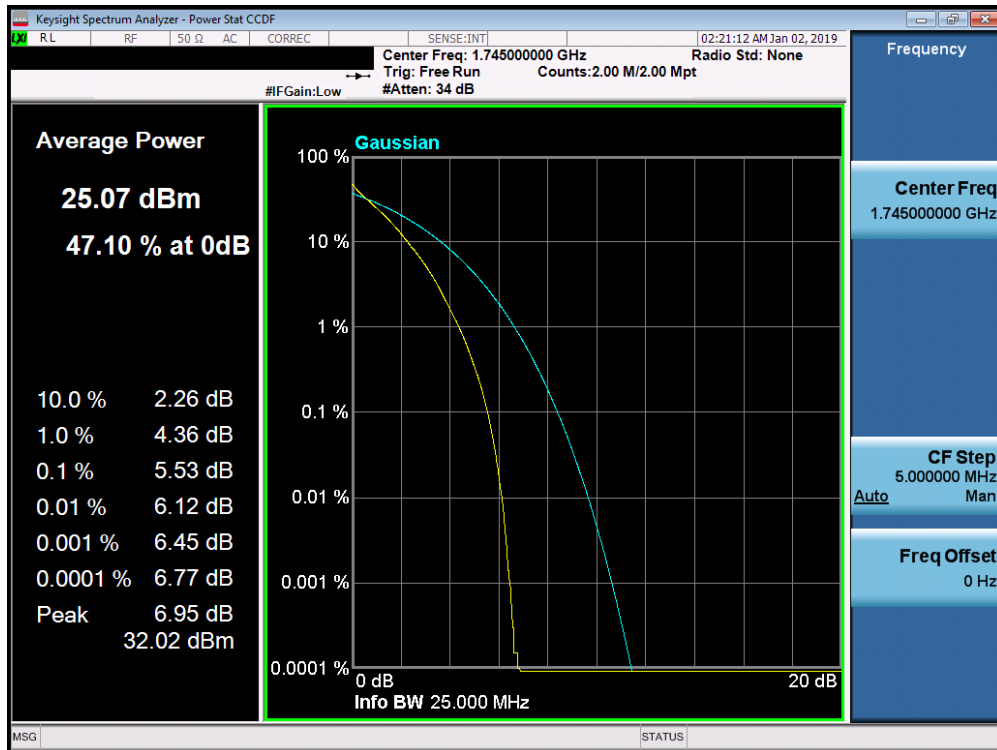


Plot 7-356. PAR Plot (Band 66 - 15.0MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 208 of 340

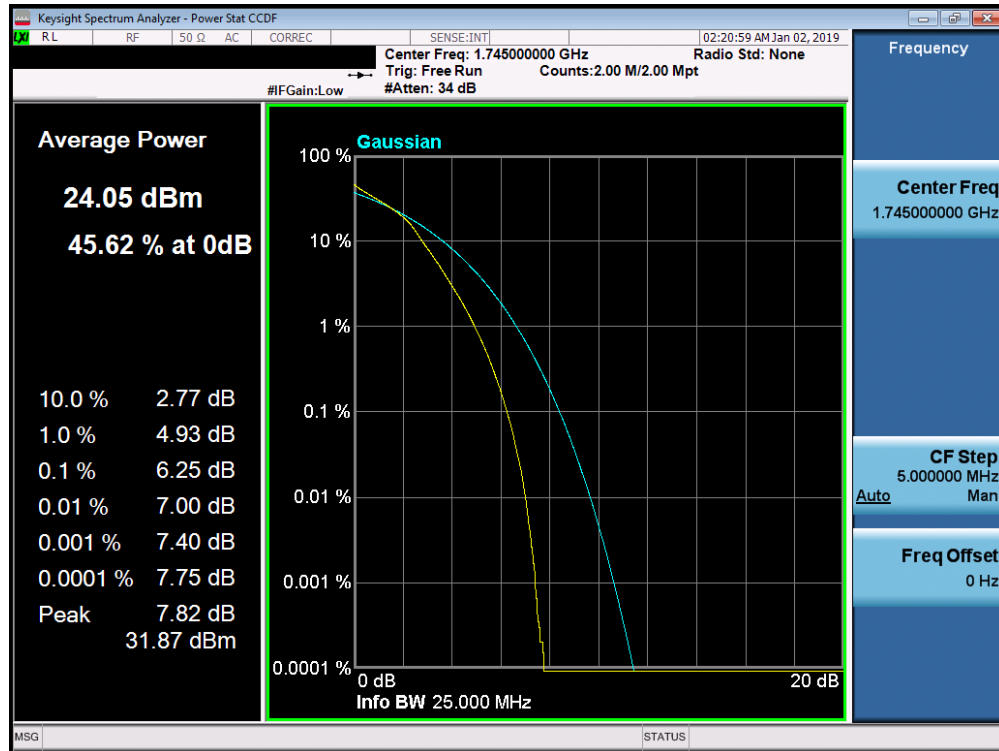


Plot 7-357. PAR Plot (Band 66 - 15.0MHz 64-QAM - Full RB Configuration)

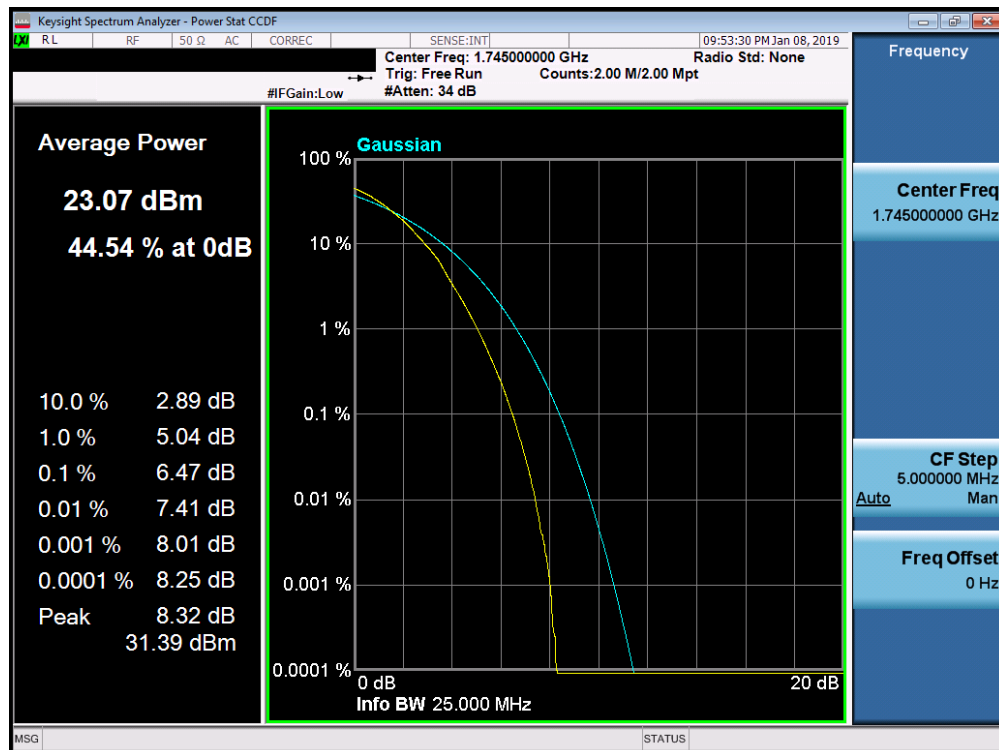


Plot 7-358. PAR Plot (Band 66 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 209 of 340



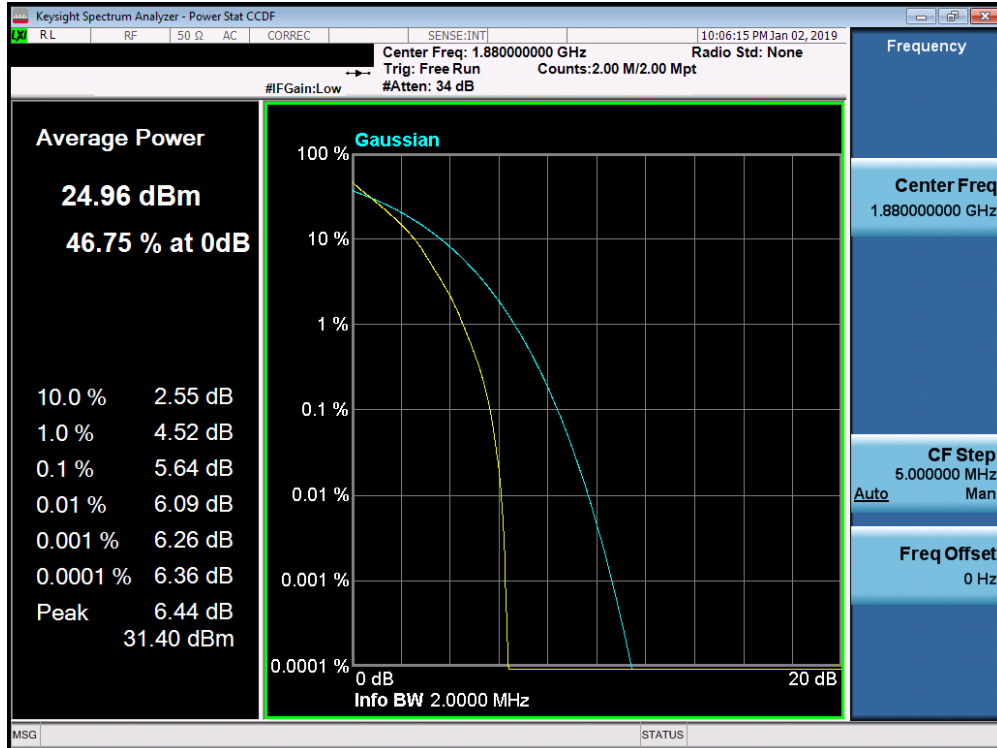
Plot 7-359. PAR Plot (Band 66 - 20.0MHz 16-QAM - Full RB Configuration)



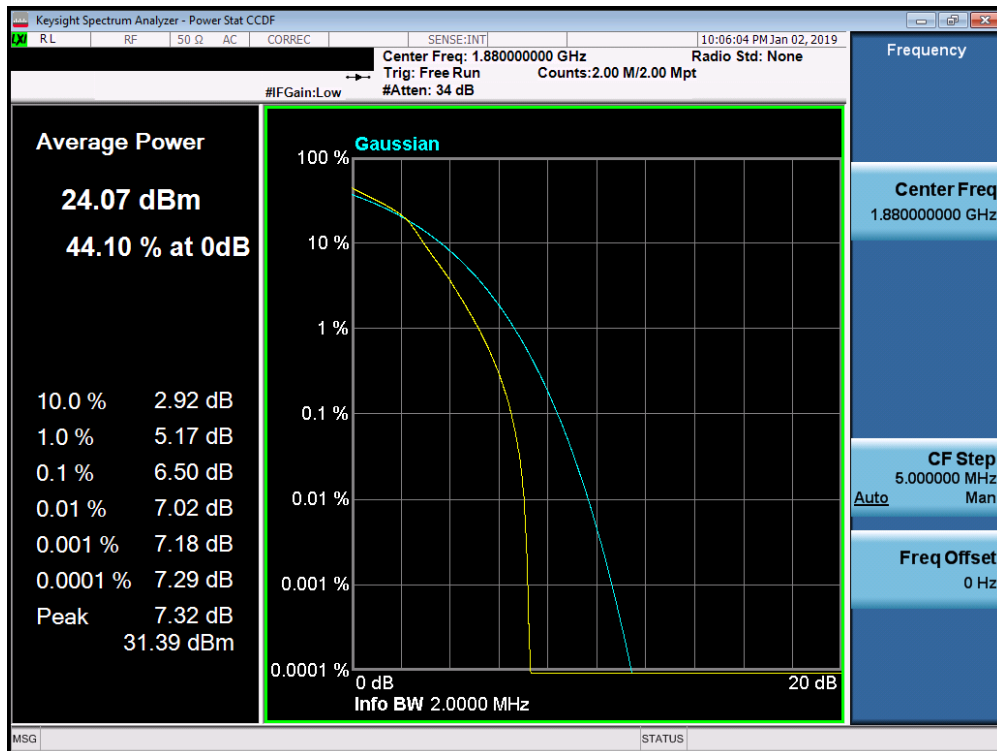
Plot 7-360. PAR Plot (Band 66 - 20.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 210 of 340

Band 2

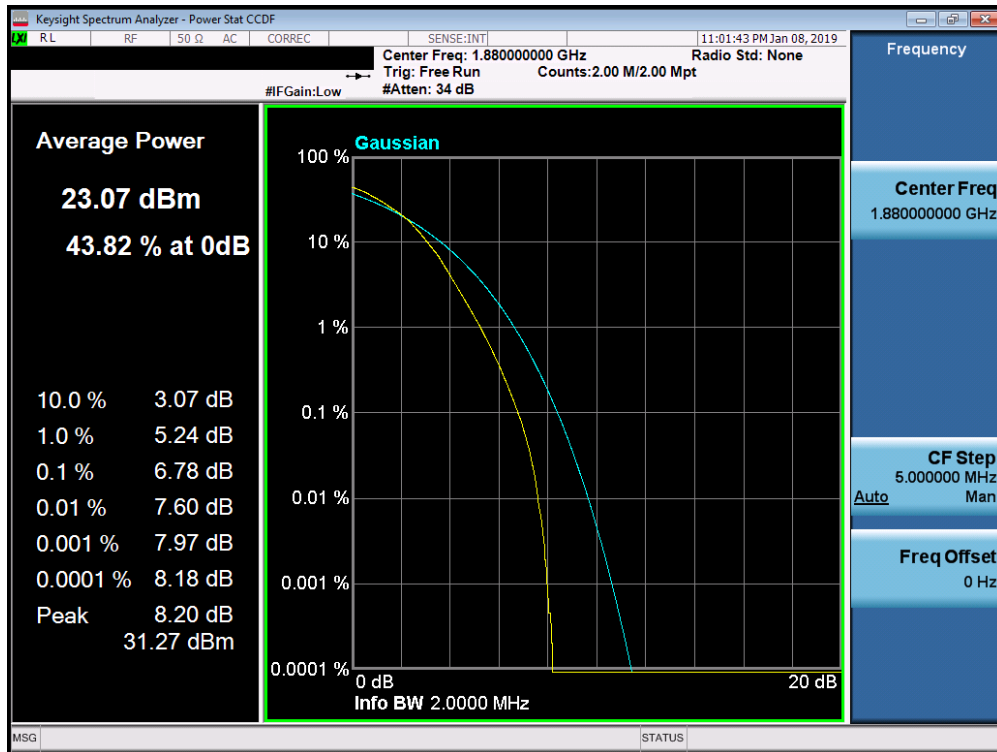


Plot 7-361. PAR Plot (Band 2 - 1.4MHz QPSK - Full RB Configuration)

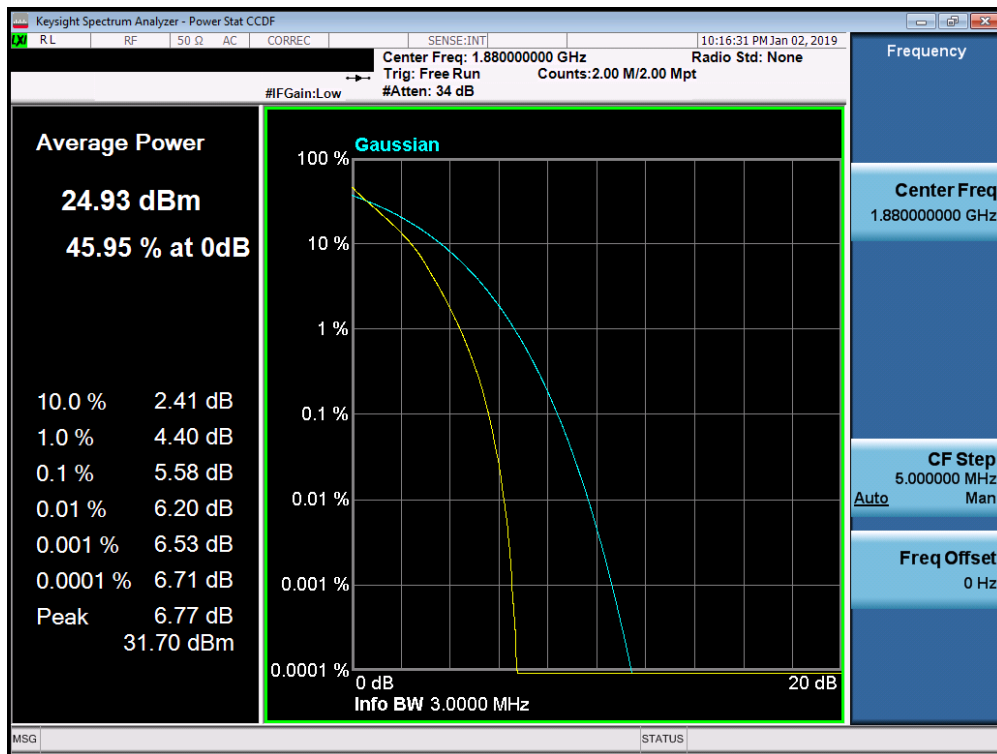


Plot 7-362. PAR Plot (Band 2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 211 of 340

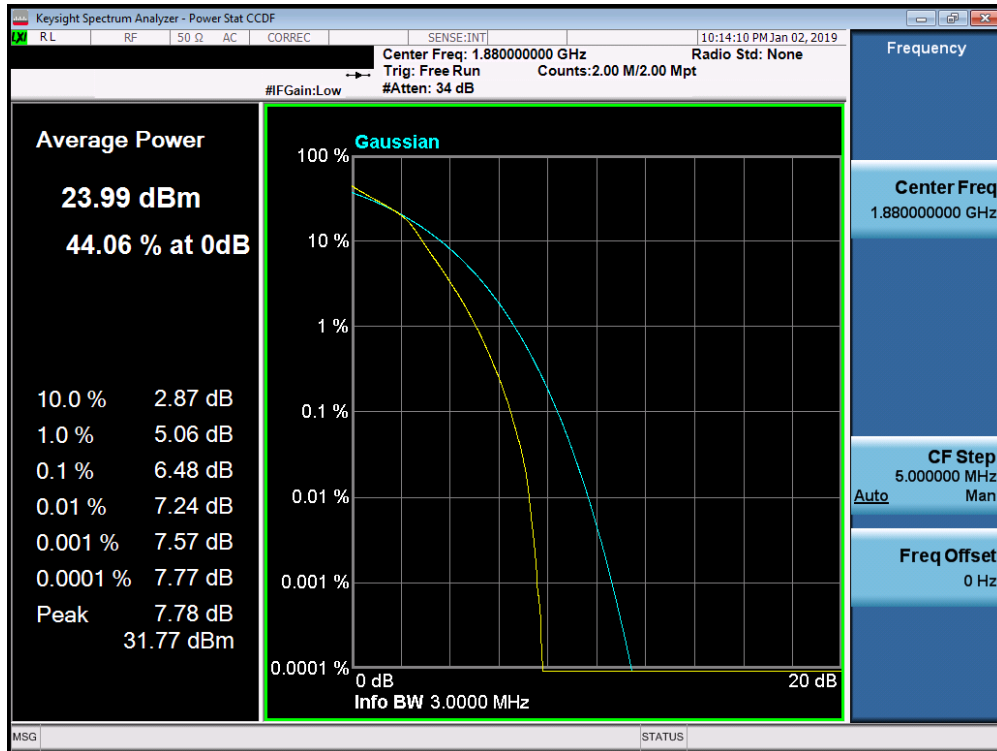


Plot 7-363. PAR Plot (Band 2 - 1.4MHz 64-QAM - Full RB Configuration)

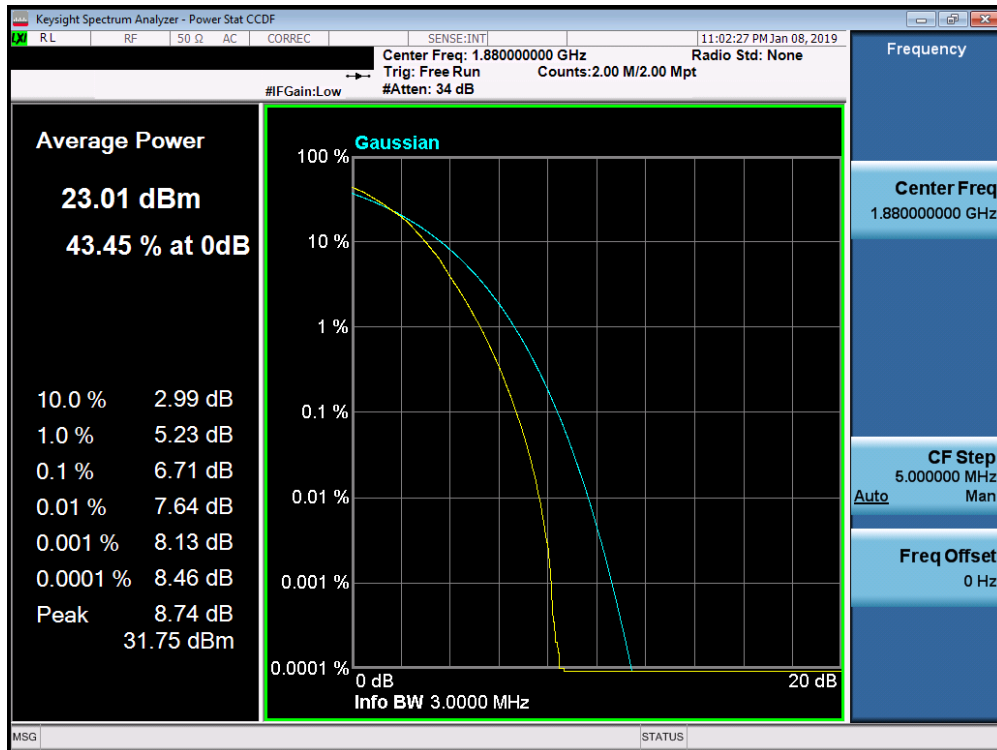


Plot 7-364. PAR Plot (Band 2 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	PCTEST ENGINEERING LABORATORY, INC.	MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 212 of 340

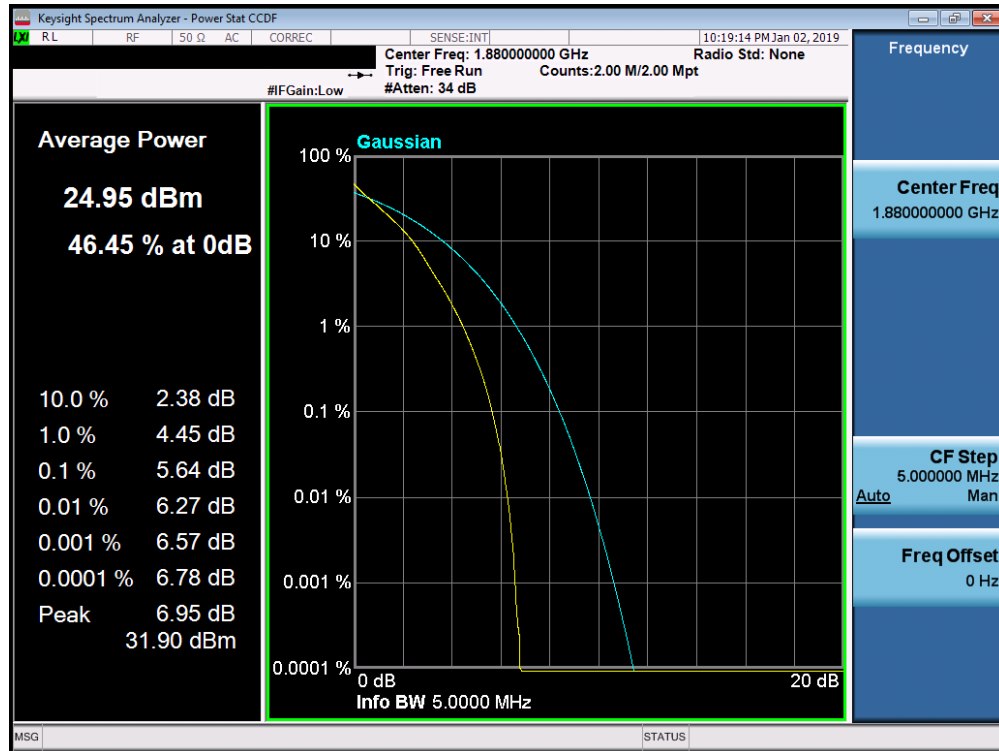


Plot 7-365. PAR Plot (Band 2 - 3.0MHz 16-QAM - Full RB Configuration)

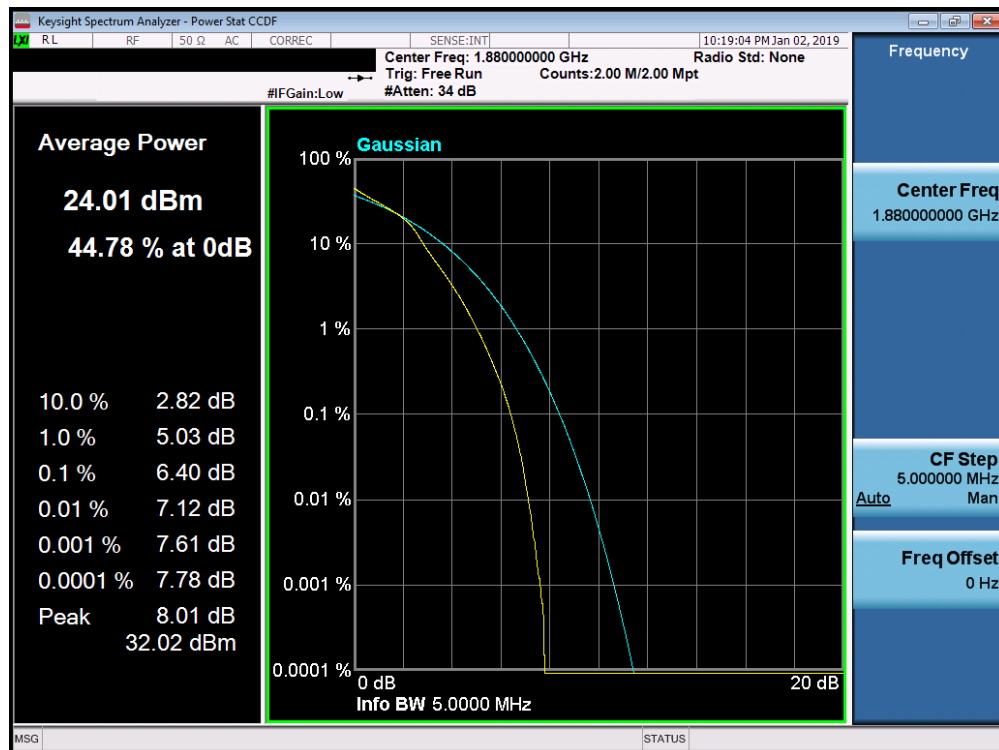


Plot 7-366. PAR Plot (Band 2 - 3.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 213 of 340

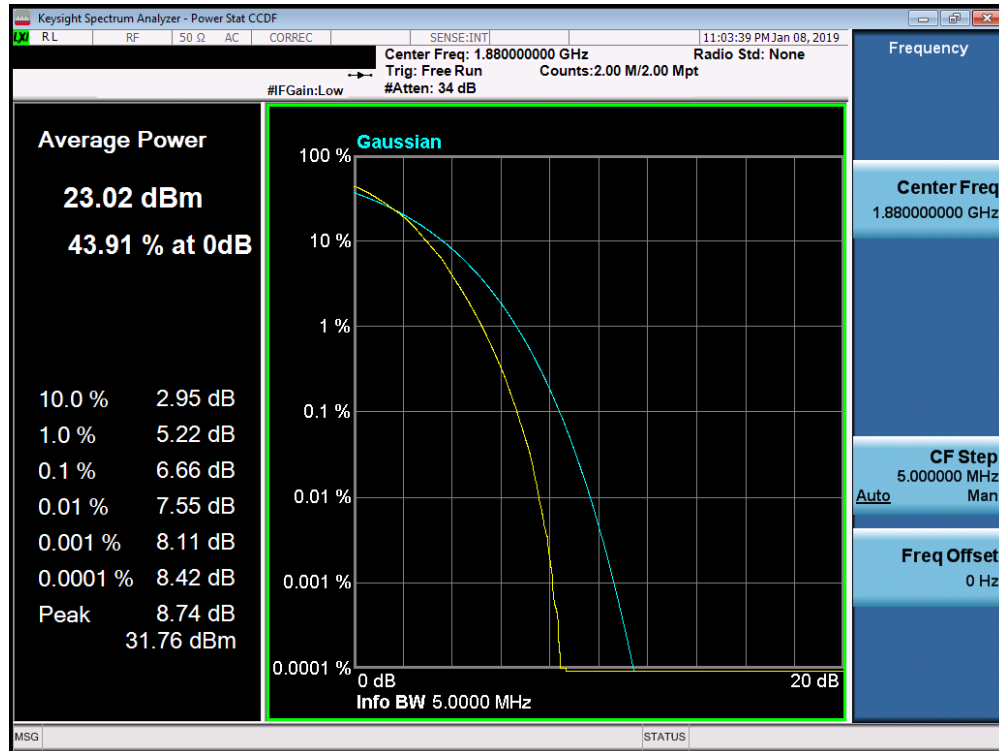


Plot 7-367. PAR Plot (Band 2 - 5.0MHz QPSK - Full RB Configuration)

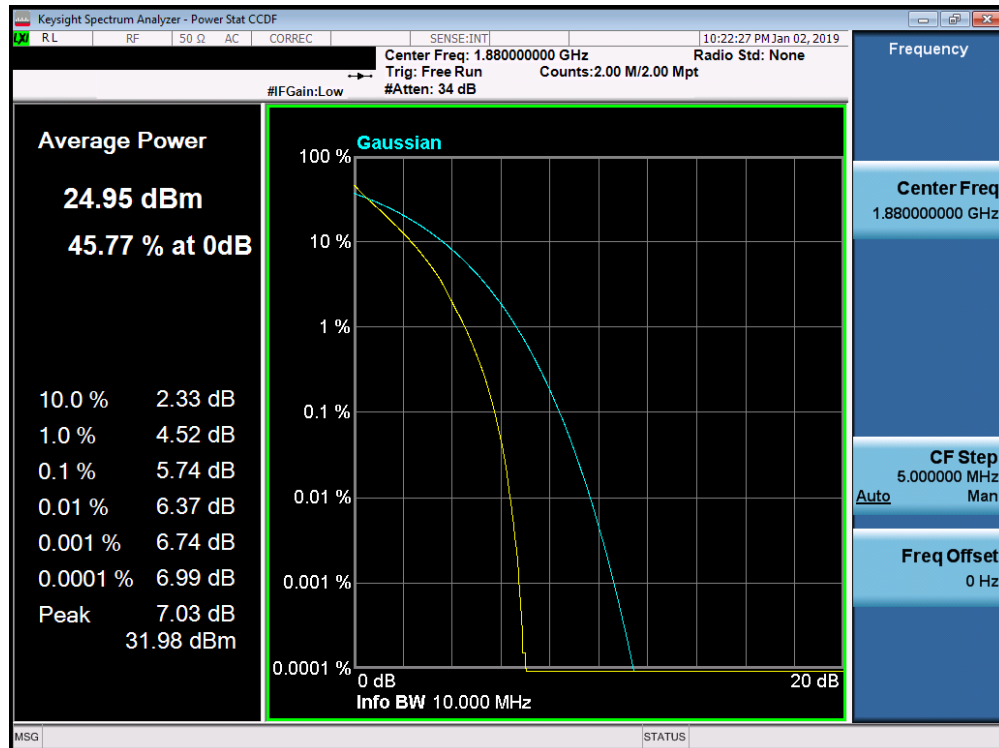


Plot 7-368. PAR Plot (Band 2 - 5.0MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 214 of 340

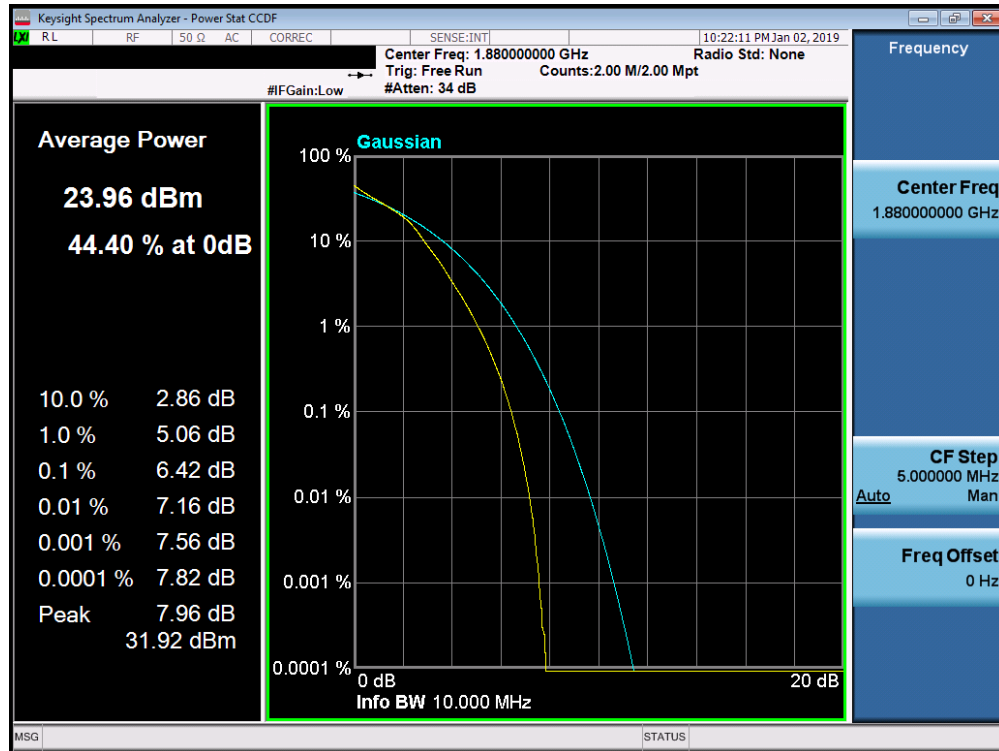


Plot 7-369. PAR Plot (Band 2 - 5.0MHz 64-QAM - Full RB Configuration)

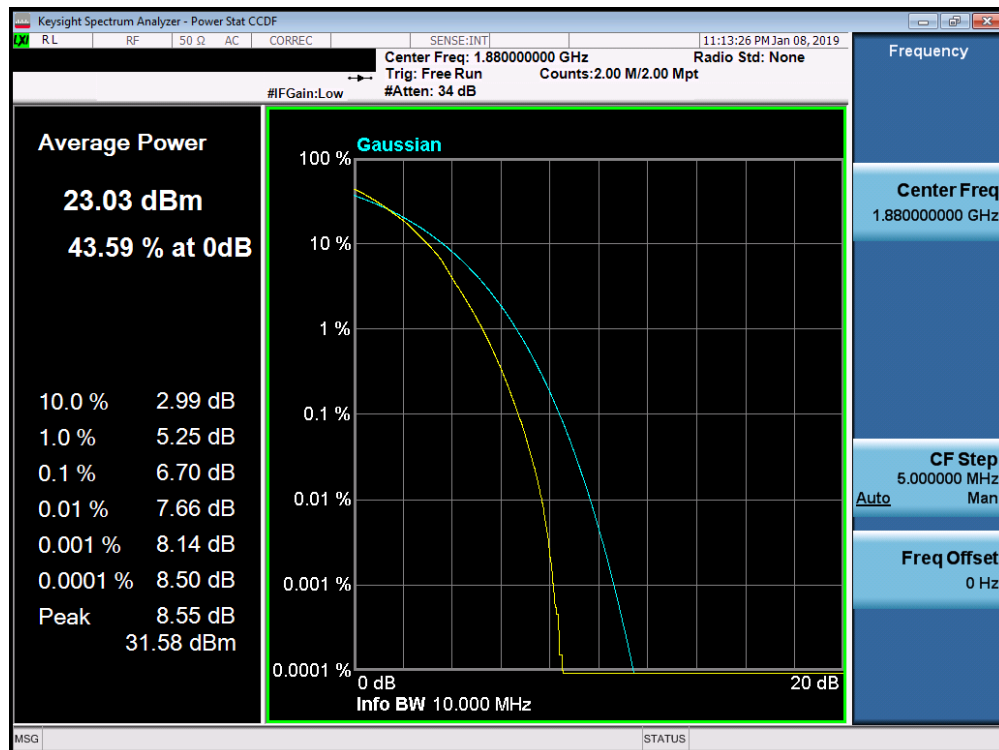


Plot 7-370. PAR Plot (Band 2 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 215 of 340

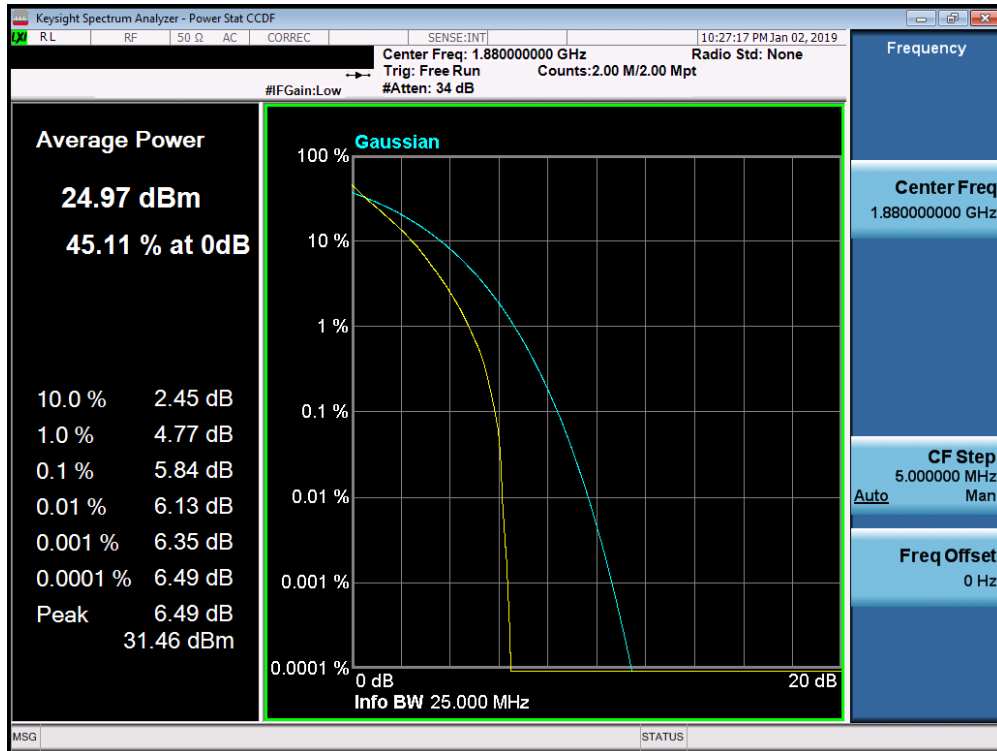


Plot 7-371. PAR Plot (Band 2 - 10.0MHz 16-QAM - Full RB Configuration)

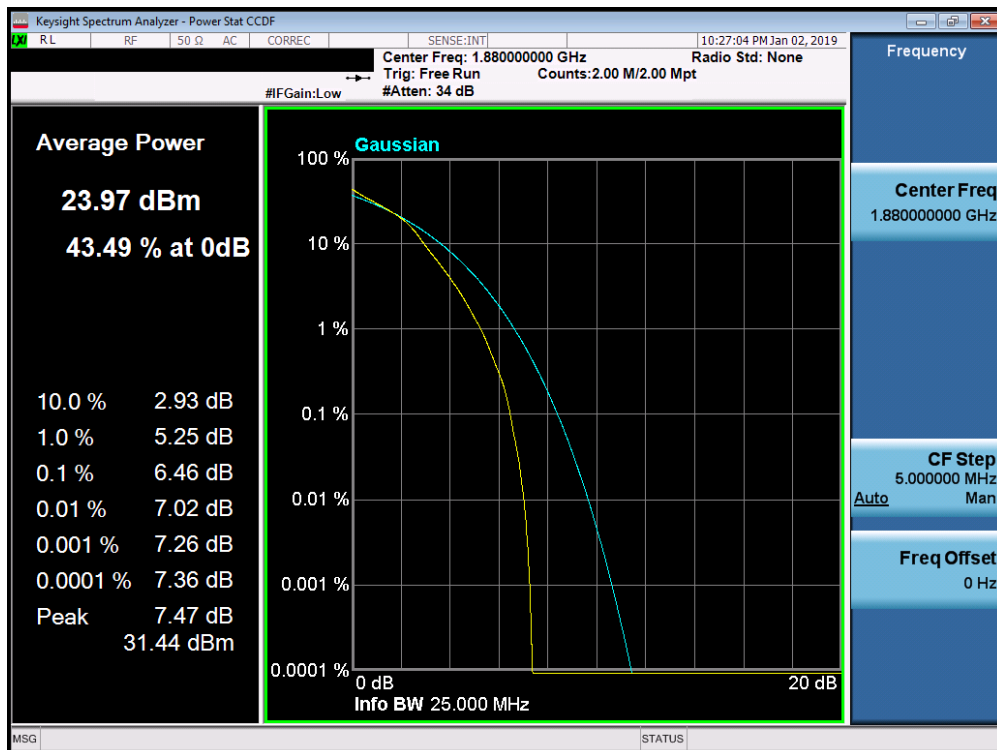


Plot 7-372. PAR Plot (Band 2 - 10.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 216 of 340

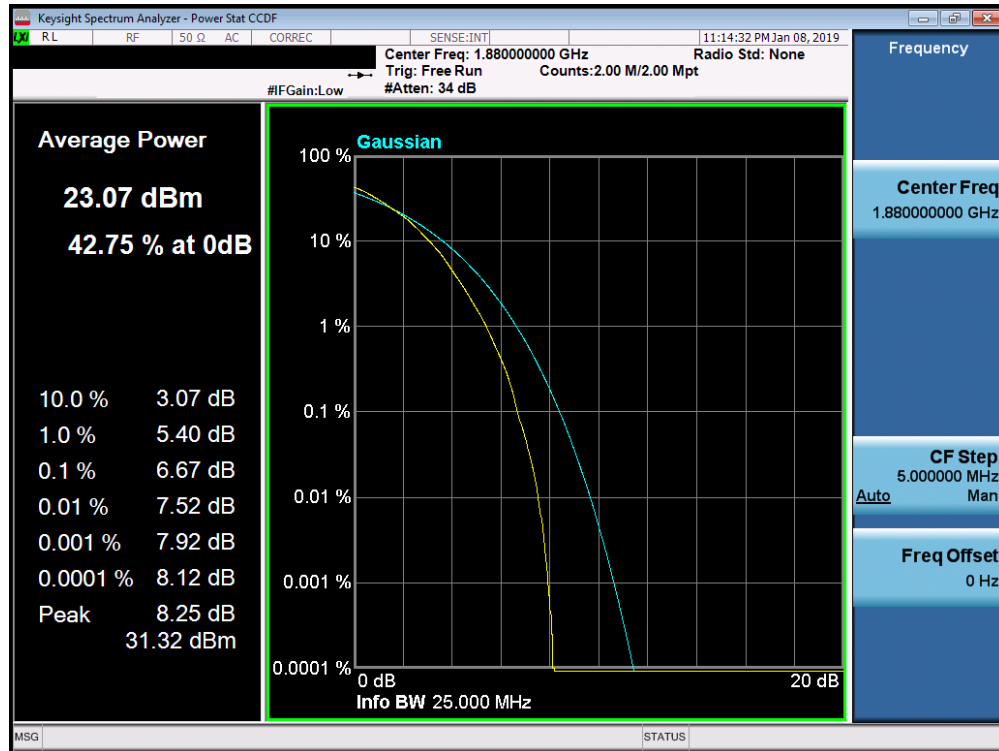


Plot 7-373. PAR Plot (Band 2 - 15.0MHz QPSK - Full RB Configuration)

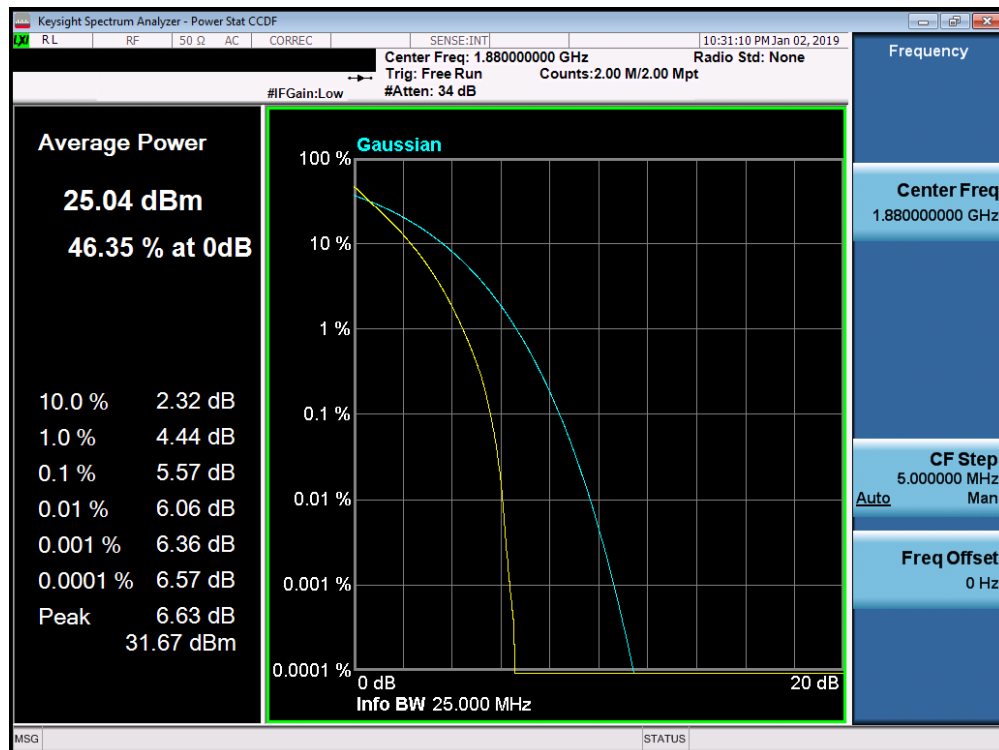


Plot 7-374. PAR Plot (Band 2 - 15.0MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 217 of 340

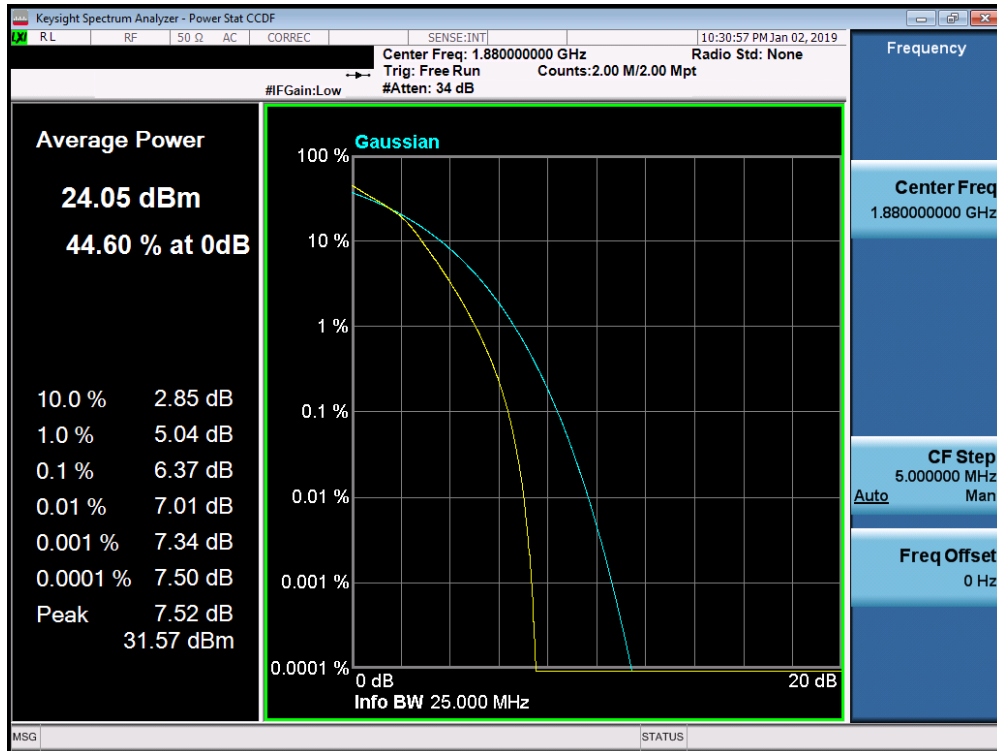


Plot 7-375. PAR Plot (Band 2 - 15.0MHz 64-QAM - Full RB Configuration)

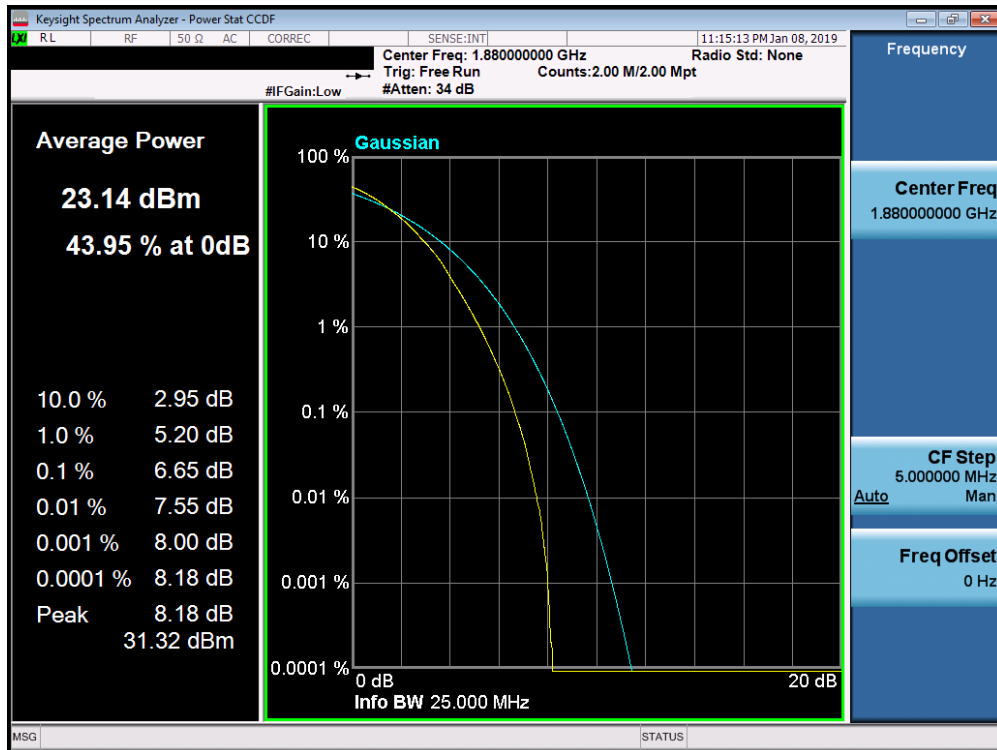


Plot 7-376. PAR Plot (Band 2 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 218 of 340



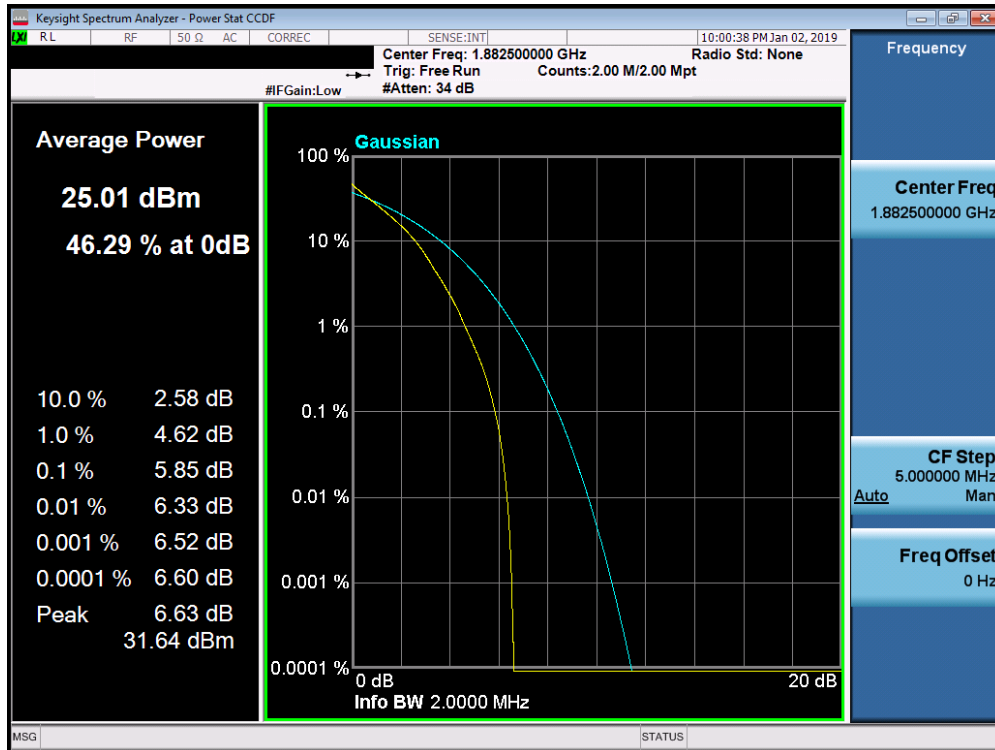
Plot 7-377. PAR Plot (Band 2 - 20.0MHz 16-QAM - Full RB Configuration)



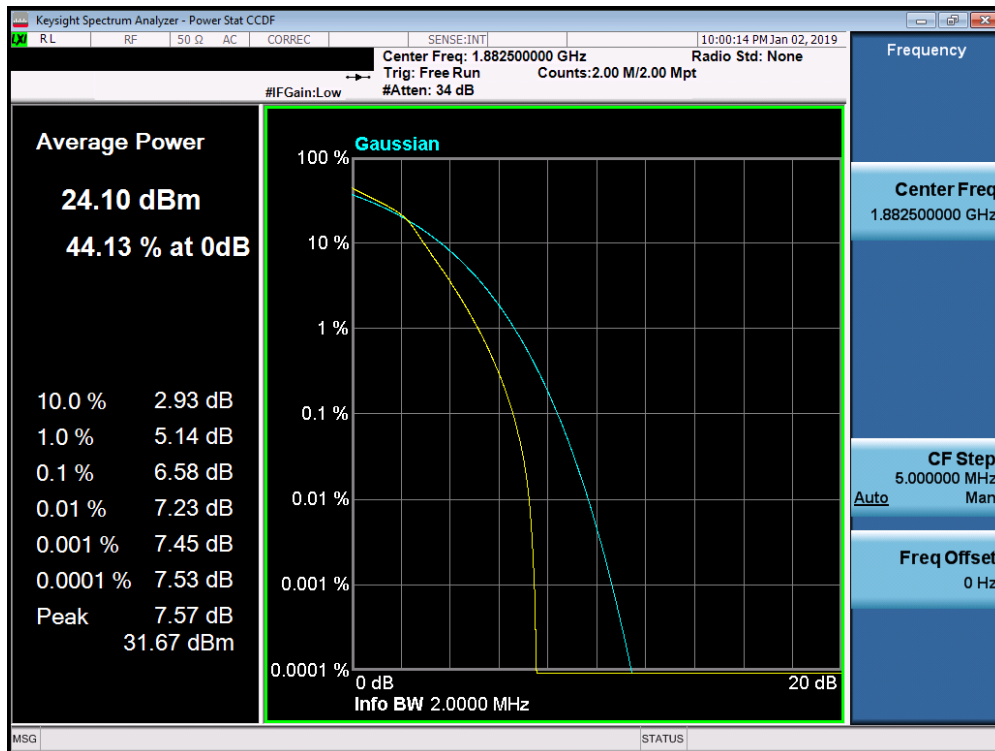
Plot 7-378. PAR Plot (Band 2 - 20.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 219 of 340

Band 25

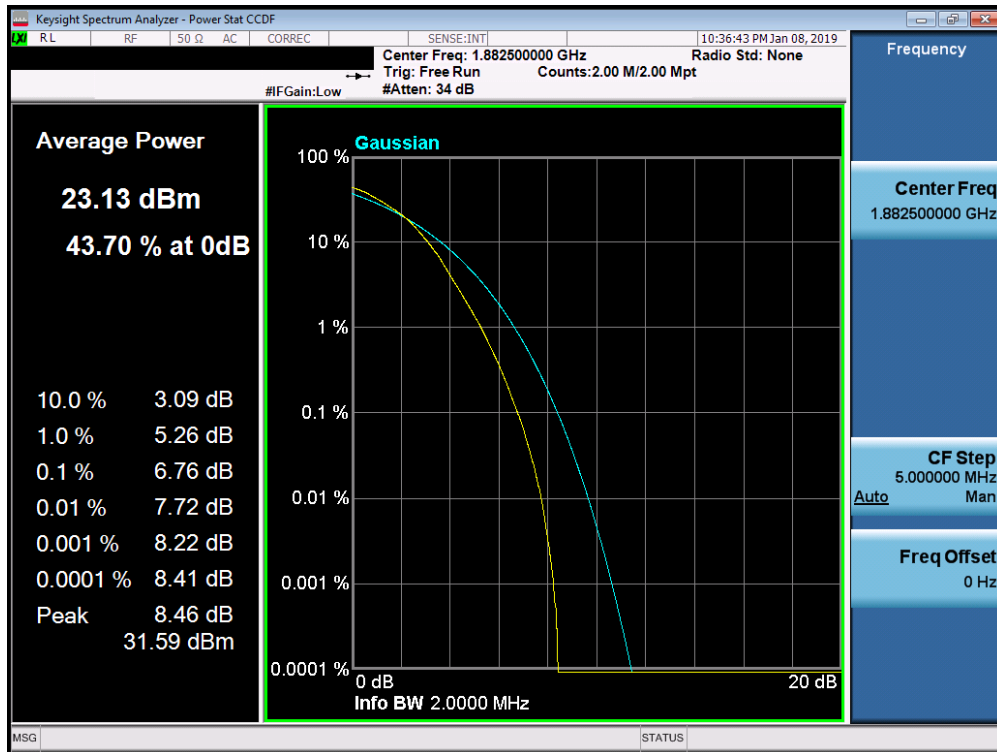


Plot 7-379. PAR Plot (Band 25 - 1.4MHz QPSK - Full RB Configuration)

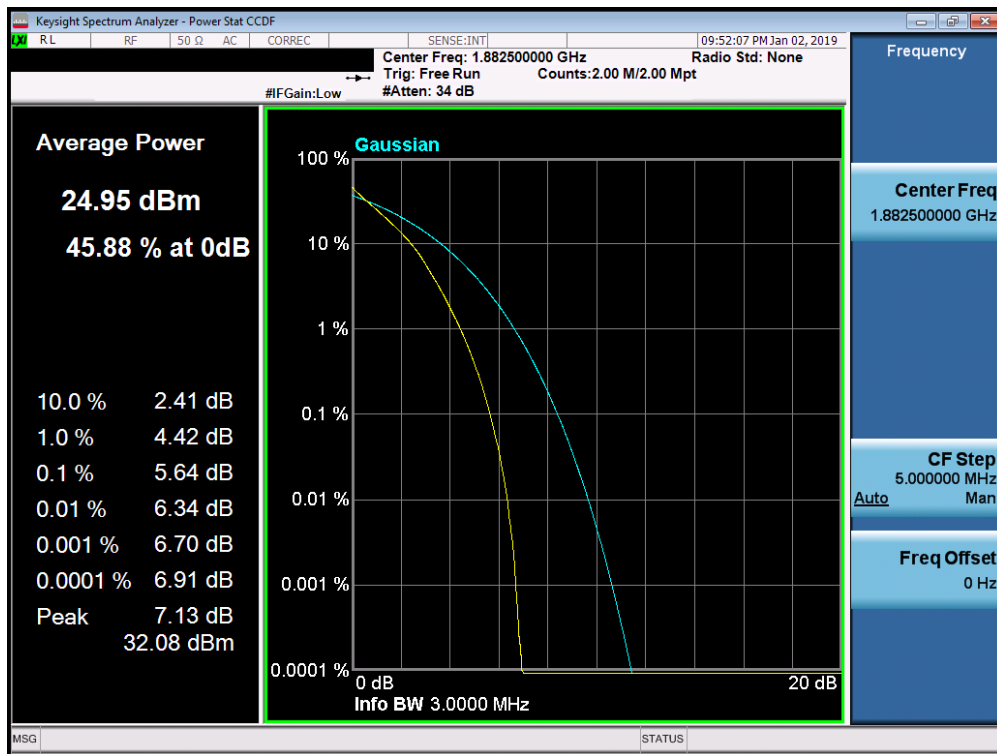


Plot 7-380. PAR Plot (Band 25 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 220 of 340

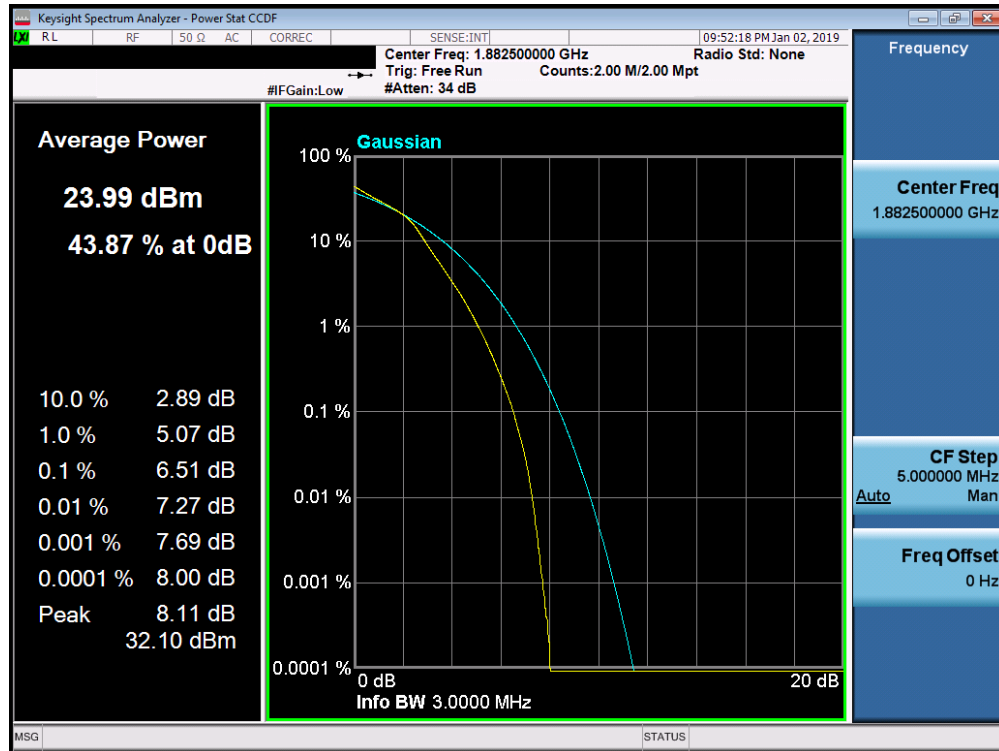


Plot 7-381. PAR Plot (Band 25 - 1.4MHz 64-QAM - Full RB Configuration)

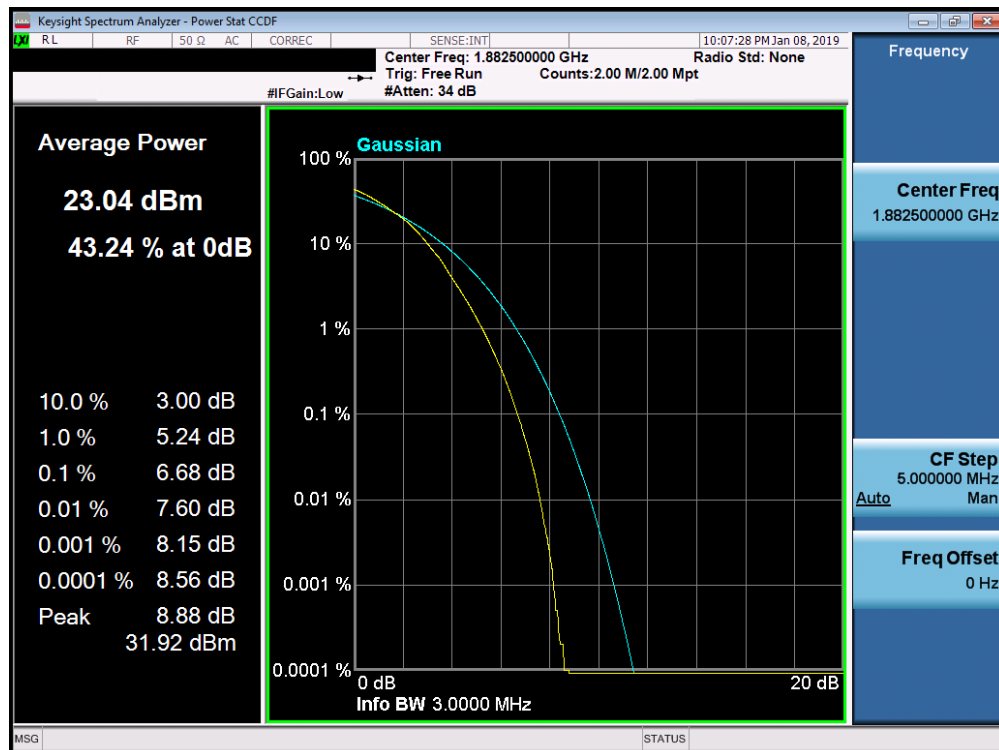


Plot 7-382. PAR Plot (Band 25 - 3.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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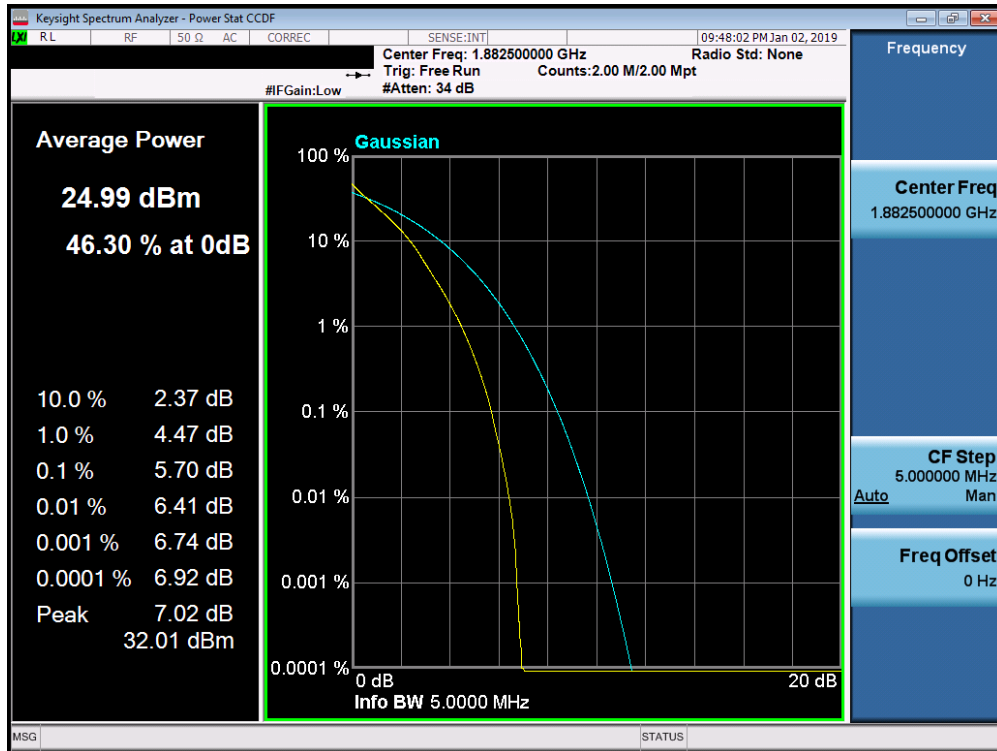


Plot 7-383. PAR Plot (Band 25 - 3.0MHz 16-QAM - Full RB Configuration)

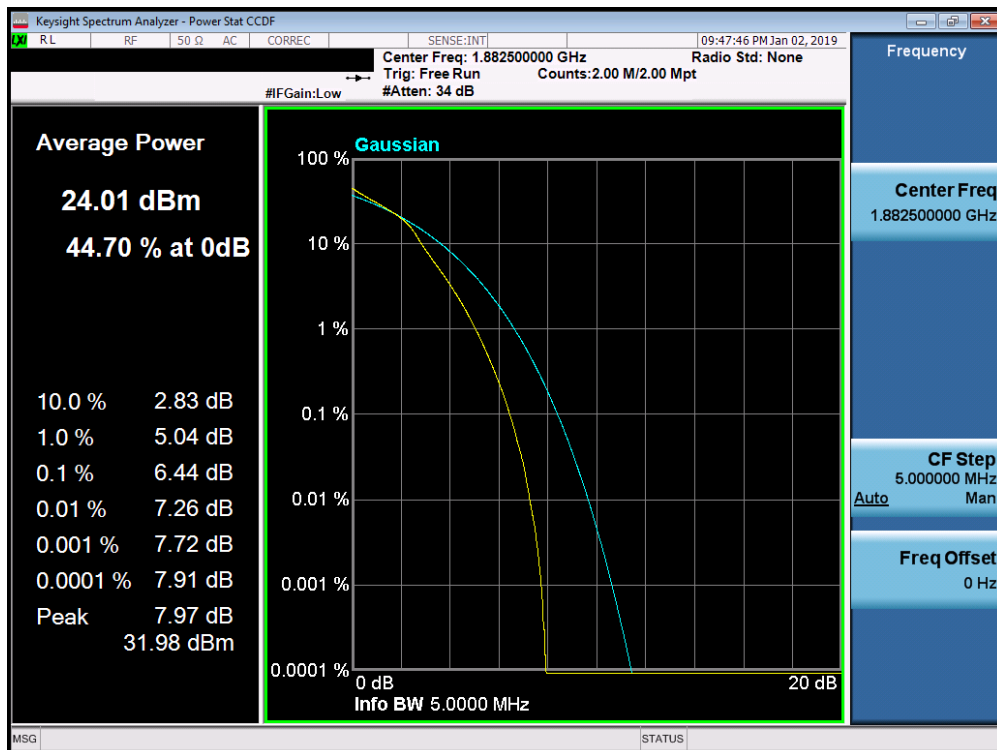


Plot 7-384. PAR Plot (Band 25 - 3.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 222 of 340

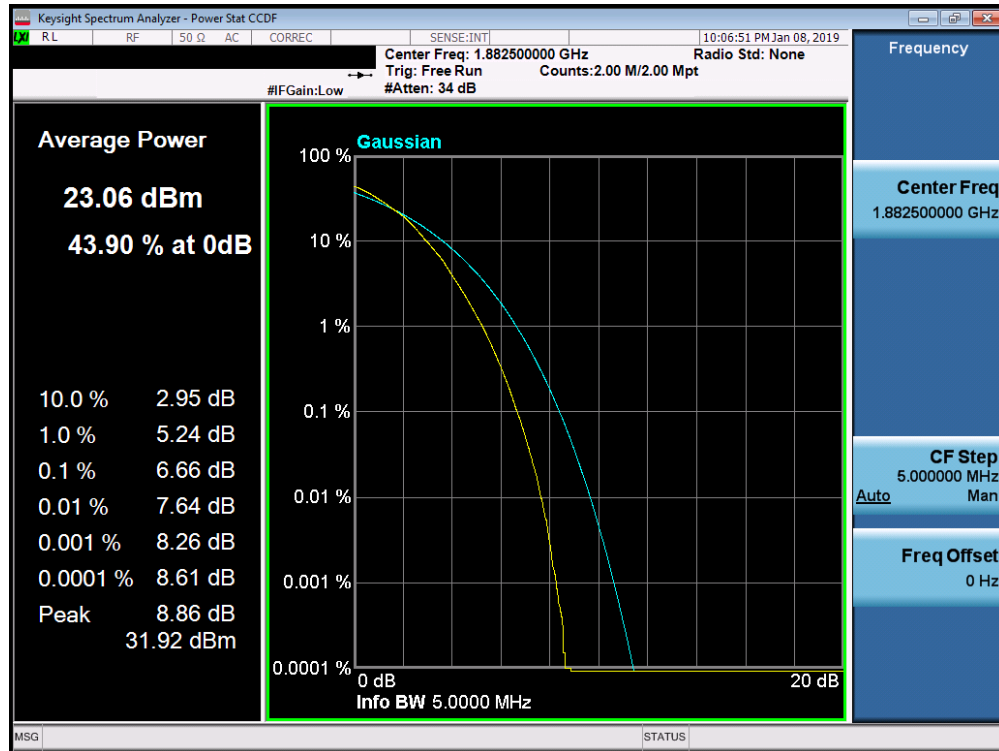


Plot 7-385. PAR Plot (Band 25 - 5.0MHz QPSK - Full RB Configuration)

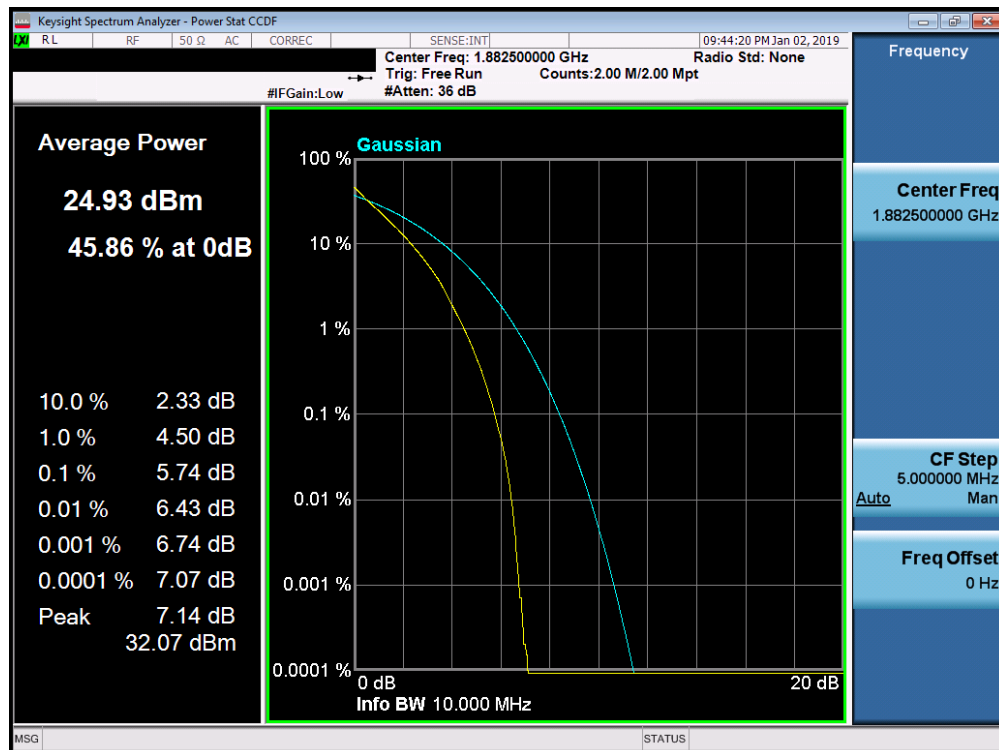


Plot 7-386. PAR Plot (Band 25 - 5.0MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 223 of 340

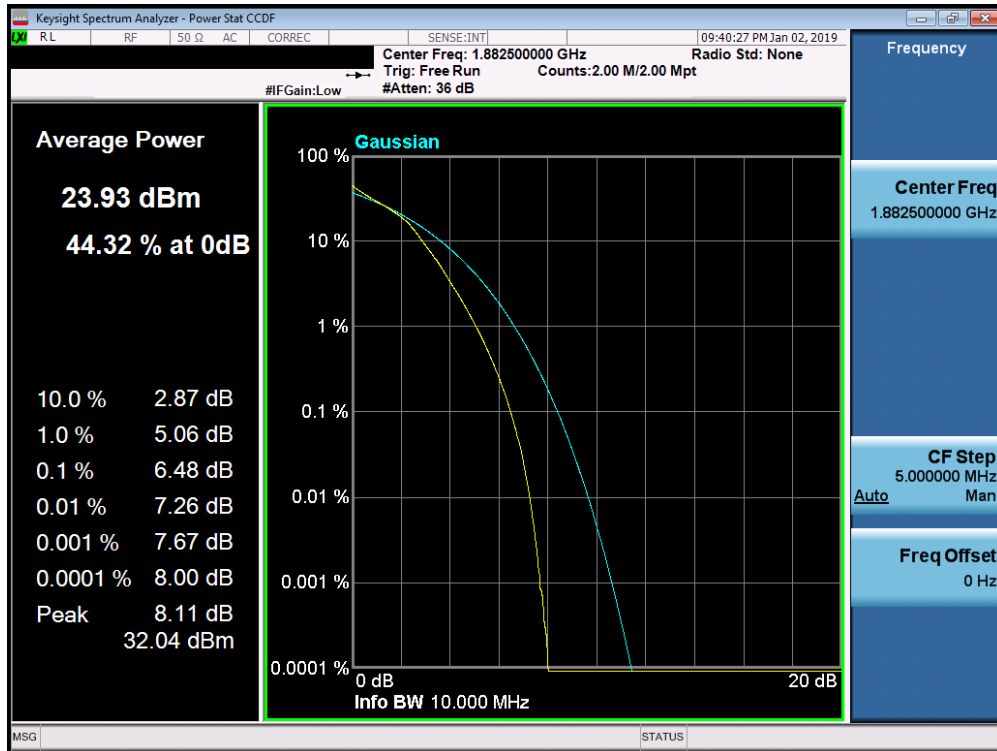


Plot 7-387. PAR Plot (Band 25 - 5.0MHz 64-QAM - Full RB Configuration)

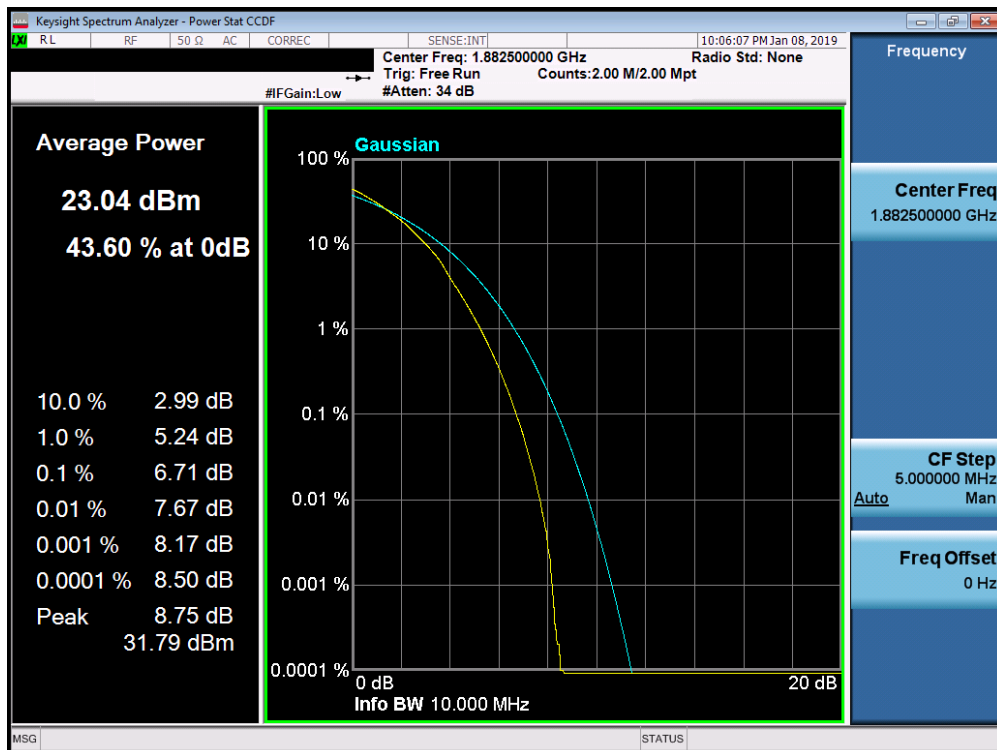


Plot 7-388. PAR Plot (Band 25 - 10.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 224 of 340

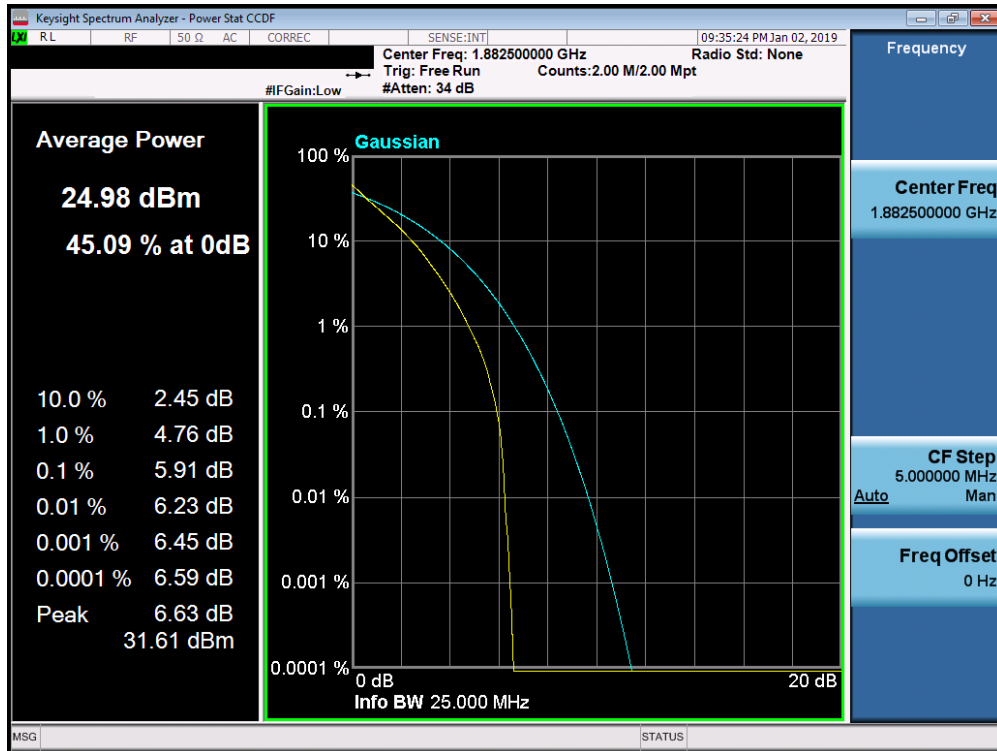


Plot 7-389. PAR Plot (Band 25 - 10.0MHz 16-QAM - Full RB Configuration)

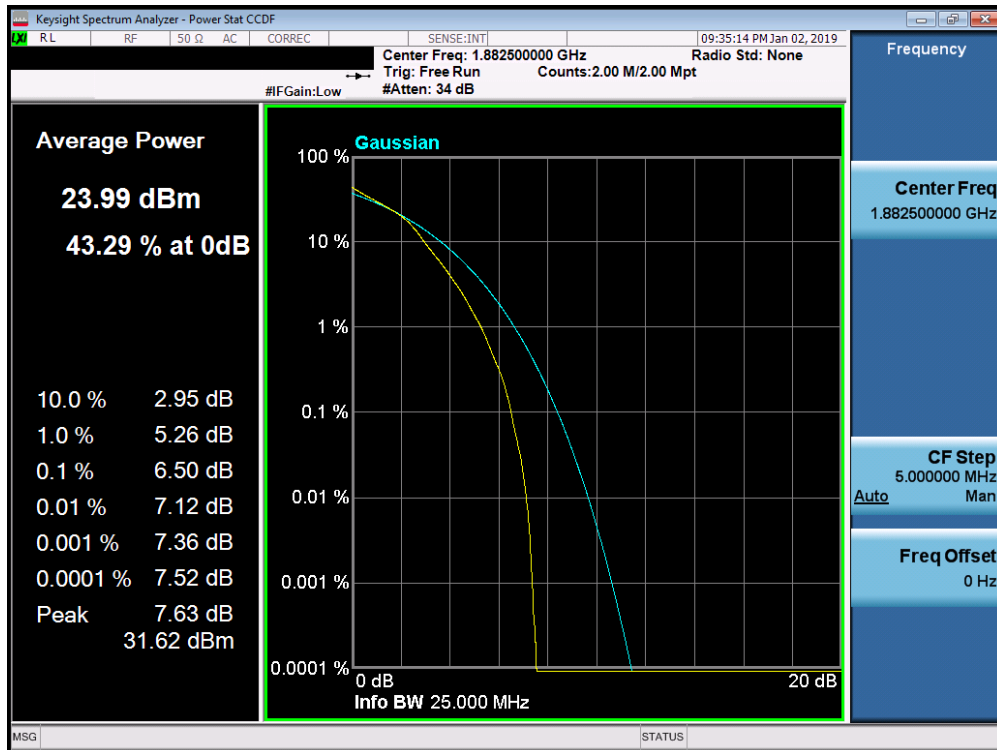


Plot 7-390. PAR Plot (Band 25 - 10.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 225 of 340

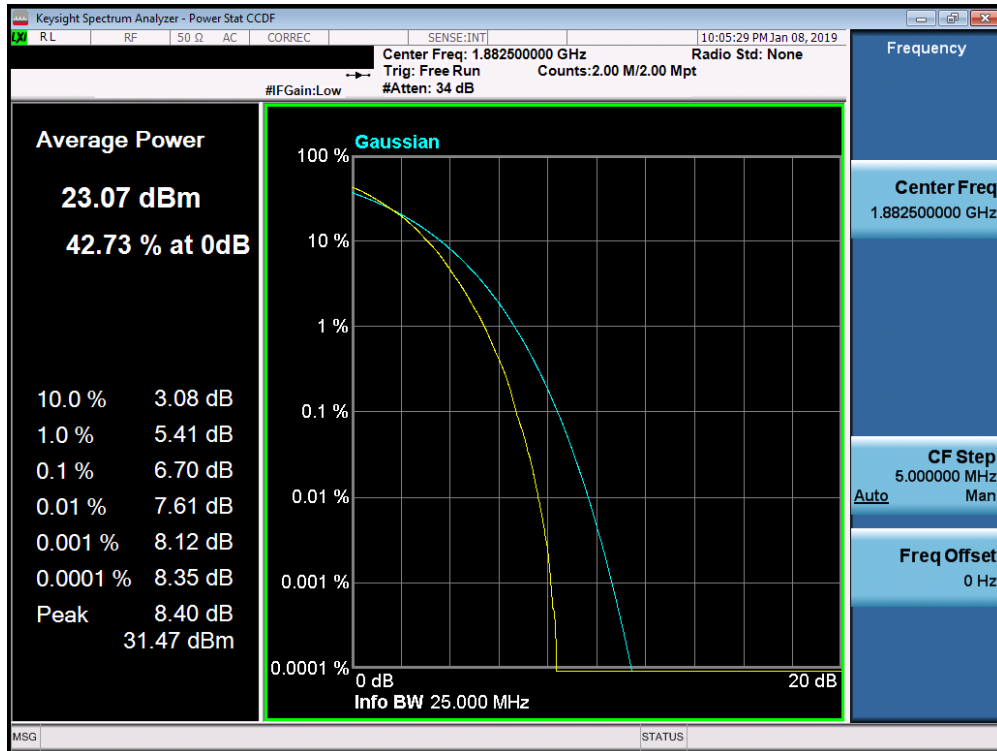


Plot 7-391. PAR Plot (Band 25 - 15.0MHz QPSK - Full RB Configuration)

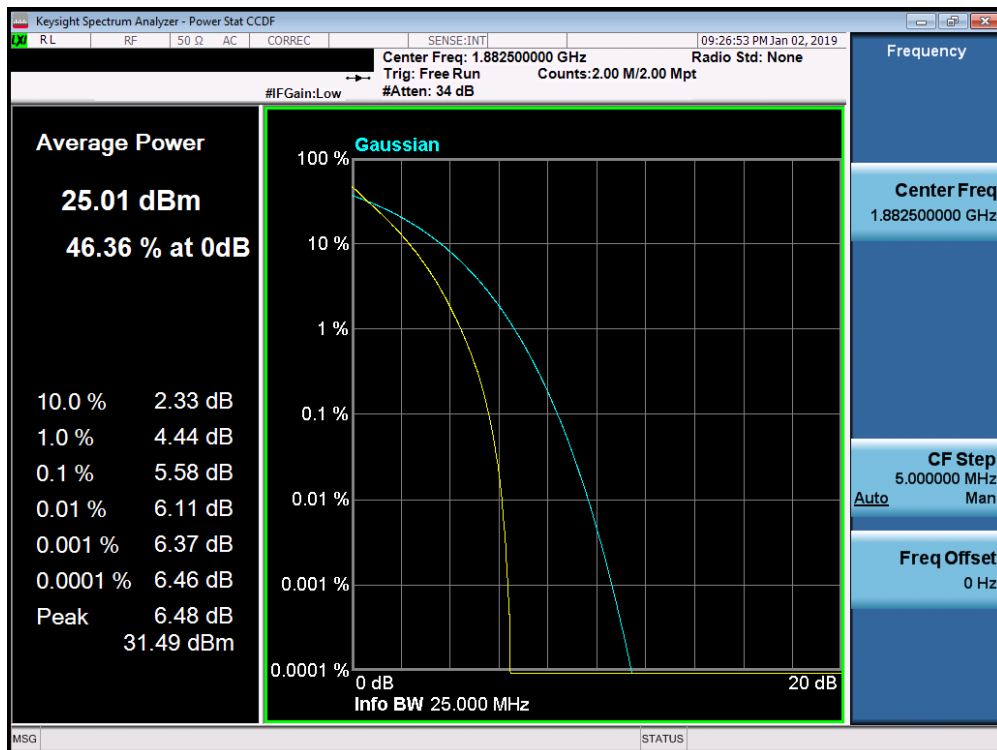


Plot 7-392. PAR Plot (Band 25 - 15.0MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 226 of 340

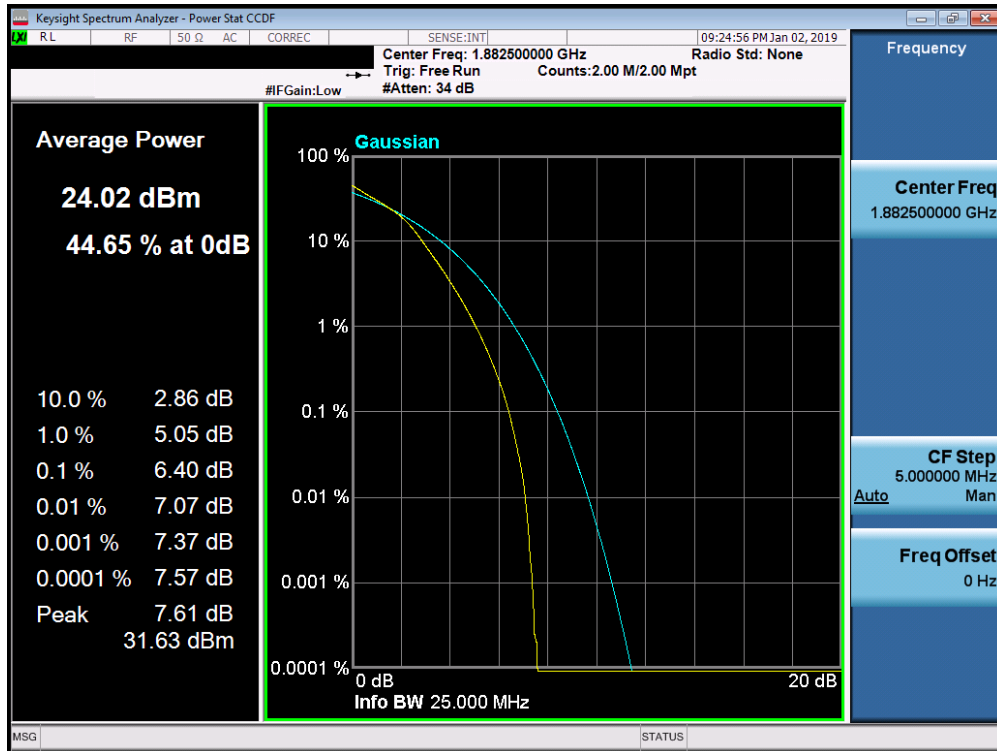


Plot 7-393. PAR Plot (Band 25 - 15.0MHz 64-QAM - Full RB Configuration)

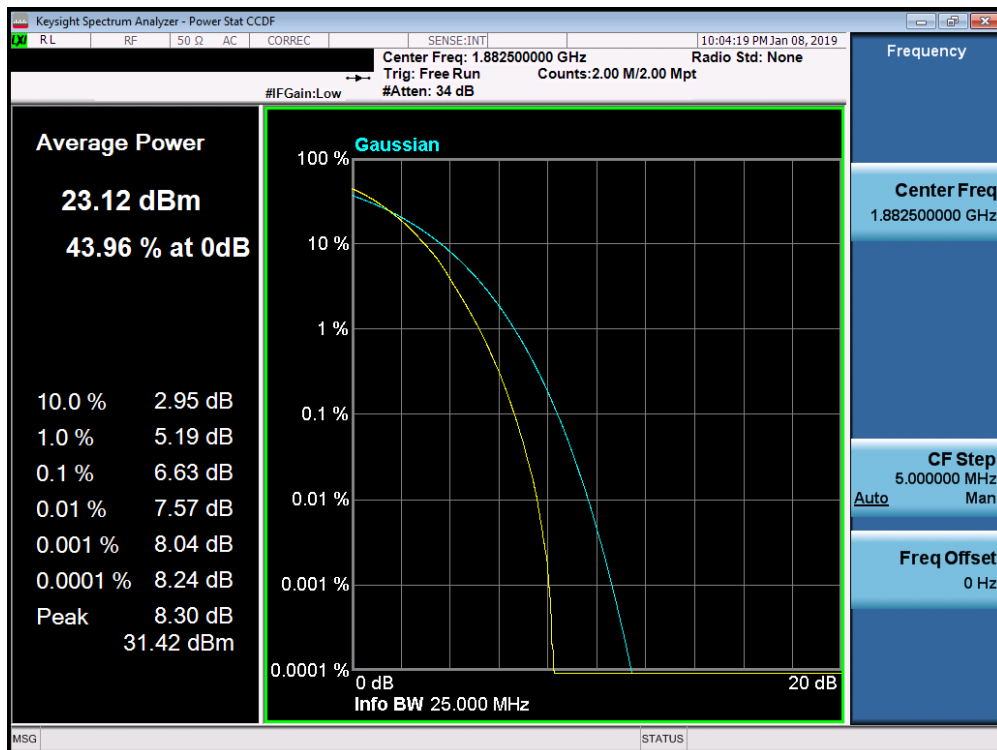


Plot 7-394. PAR Plot (Band 25 - 20.0MHz QPSK - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 227 of 340



Plot 7-395. PAR Plot (Band 25 - 20.0MHz 16-QAM - Full RB Configuration)



Plot 7-396. PAR Plot (Band 25 - 20.0MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 228 of 340

7.6 Additional Maximum Power Reduction (A-MPR)

§2.1046

Test Overview

A-MPR is implemented in this device when operating at Power Class 2 in LTE Band 41 per the A-MPR specification in 3GPP TS 36.101. The conducted powers are shown herein to cover the different A-MPR levels specified in the standard. 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 Procedure Used

KDB 971168 D01 v03

Test Setup

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

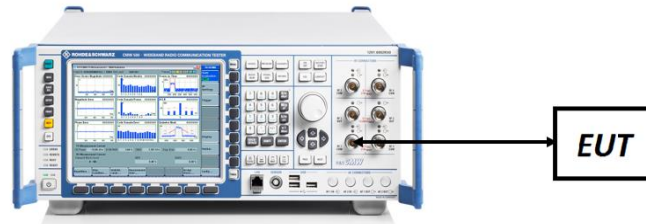


Figure 7-5. Conducted Power Measurement Setup

Test Notes

None

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Test Case	NS	MCC	MNC	Channel BW [MHz]	Channel Number	Channel Frequency [MHz]	Modulation	RB Size	RB Offset	MPR [dB]	A-MPR [dB]	Measured Power [dBm]	Lowest Typical Power [dBm]	Delta [dB]
1	01	312	530	5	39675	2498.5	QPSK	1	0	0	≤ 3	24.89	23.5	1.39
							16-QAM			≤ 1		24.62	22.5	2.12
							64-QAM			≤ 2		23.55	21.5	2.05
2				5	39675	2498.5	QPSK	1	9	0	0	26.85	26.5	0.35
							16-QAM			≤ 1		26.51	25.5	1.01
							64-QAM			≤ 2		25.45	24.5	0.95
3				10	39700	2501	QPSK	1	0	0	≤ 5	23.94	21.5	2.44
							16-QAM	1	0	≤ 1		23.64	20.5	3.14
							64-QAM	1	0	≤ 2		22.41	19.5	2.91
4				10	39700	2501	QPSK	20	0	0	≤ 2	24.78	23.5	1.28
							16-QAM	20	0	≤ 1		23.85	22.5	1.35
							64-QAM	20	0	≤ 2		22.82	21.5	1.32
5				10	39700	2501	QPSK	50	0	0	≤ 3	23.81	22.5	1.31
							16-QAM	50	0	≤ 1		22.79	21.5	1.29
							64-QAM	50	0	≤ 2		21.82	20.5	1.32
6				10	39700	2501	QPSK	25	20	0	≤ 1	24.75	24.5	0.25
							16-QAM	25	20	≤ 1		23.83	23.5	0.33
							64-QAM	25	20	≤ 2		22.77	22.5	0.27
7				10	39700	2501	QPSK	1	36	0	0	26.82	26.5	0.32
							16-QAM	1	36	≤ 1		26.44	25.5	0.94
							64-QAM	1	36	≤ 2		25.30	24.5	0.80
8				15	39725	2503.5	QPSK	1	0	0	≤ 5	23.99	21.5	2.49
							16-QAM	1	0	≤ 1		23.45	20.5	2.95
							64-QAM	1	0	≤ 2		22.42	19.5	2.92
9				15	39725	2503.5	QPSK	20	0	0	≤ 2	24.81	23.5	1.31
							16-QAM	20	0	≤ 1		23.85	22.5	1.35
							64-QAM	20	0	≤ 2		22.82	21.5	1.32
10				15	39725	2503.5	QPSK	75	0	0	≤ 4	22.80	21.5	1.30
							16-QAM	75	0	≤ 1		21.82	20.5	1.32
							64-QAM	75	0	≤ 2		20.79	19.5	1.29
11				15	39725	2503.5	QPSK	50	15	0	≤ 3	24.84	22.5	2.34
							16-QAM	50	15	≤ 1		23.86	21.5	2.36
							64-QAM	50	15	≤ 2		22.81	20.5	2.31
12				15	39725	2503.5	QPSK	1	60	0	0	26.83	26.5	0.33
							16-QAM	1	60	≤ 1		26.28	25.5	0.78
							64-QAM	1	60	≤ 2		25.32	24.5	0.82
13				20	39750	2506	QPSK	1	0	0	≤ 5	23.85	21.5	2.35
							16-QAM	1	0	≤ 1		23.54	20.5	3.04
							64-QAM	1	0	≤ 2		22.40	19.5	2.90
14				20	39750	2506	QPSK	20	0	0	≤ 2	24.81	23.5	1.31
							16-QAM	20	0	≤ 1		23.86	22.5	1.36
							64-QAM	20	0	≤ 2		22.89	21.5	1.39
15				20	39750	2506	QPSK	100	0	0	≤ 4	22.76	21.5	1.26
							16-QAM	100	0	≤ 1		21.79	20.5	1.29
							64-QAM	100	0	≤ 2		20.78	19.5	1.28
16				20	39750	2506	QPSK	75	24	0	≤ 3	24.77	22.5	2.27
							16-QAM	75	24	≤ 1		23.80	21.5	2.30
							64-QAM	75	24	≤ 2		22.78	20.5	2.28
17				20	39750	2506	QPSK	1	77	0	0	26.71	26.5	0.21
							16-QAM	1	77	≤ 1		26.31	25.5	0.81
							64-QAM	1	77	≤ 2		25.22	24.5	0.72
18	01	311	490	5	39675	2498.5	QPSK	1	0	0	≤ 3	24.90	23.5	1.40
							16-QAM			≤ 1		24.52	22.5	2.02
							64-QAM			≤ 2		23.62	21.5	2.12
19	01	001	01	5	39675	2498.5	QPSK	1	0	0	0	26.89	26.5	0.39
							16-QAM			≤ 1		26.60	25.5	1.10
							64-QAM			≤ 2		25.52	24.5	1.02

Table 7-7. A-MPR Conducted Power Measurements

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.7 Uplink Carrier Aggregation

§27.53(m)

Test Overview

The EUT is set up to transmit two contiguous LTE channels. The power level of both carriers and the various conducted spurious and harmonic frequencies is measured by means of a calibrated spectrum analyzer. The spectrum is scanned from the lowest frequency generated in the equipment up to a frequency including its 10th harmonic. All out of band emissions are measured with a spectrum analyzer connected to the antenna terminal of the EUT while the EUT is operating at its maximum duty cycle, at maximum power, and at the appropriate frequencies. All data rates were investigated to determine the worst case configuration. All modes of operation were investigated and the worst case configuration results are reported in this section.

For Band 38/41, the minimum permissible attenuation level of any spurious emission is $55 + \log_{10}(P_{\text{Watts}})$.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start frequency was set to 30MHz and stop frequency was set to at least 10 * the fundamental frequency (separated into at least two plots per channel)
2. Detector = RMS
3. Trace mode = trace average for continuous emissions, max hold for pulse emissions
4. Sweep time = auto couple
5. The trace was allowed to stabilize
6. Please see test notes below for RBW and VBW settings

Test Setup

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

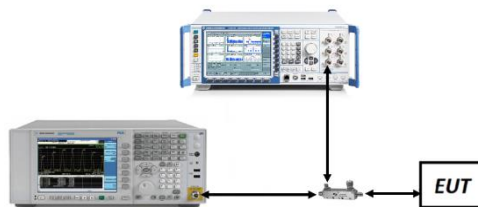


Figure 7-6. Test Instrument & Measurement Setup

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Test Notes

1. Uplink carrier aggregation is only supported in this EUT while operating in Power Class 3.
2. Conducted power and spurious emissions measurements were evaluated for the two contiguous channels using various combinations of RB size, RB offset, modulation, and channel bandwidth. Channel bandwidth data is shown in the tables below based only on the channel bandwidths that were supported in this device. The worst case (highest) powers were found while operating with QPSK modulation, as shown in Table 7-503 and 7-504 below, with both carriers set to transmit using 1RB.
3. Compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth of 100 kHz or greater for frequencies less than 1 GHz and 1 MHz or greater for frequencies greater than 1 GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed.
4. All ports were tested and only the worst case data were reported.
5. Refer to Table 2-1 Section 2.3 of this test report for correlation between Antennas and Ports.

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Port A

Power State	PCC							SCC							Power ULCA Tx.Power (dBm)
	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	
Max	LTE B7	10	20800	2505	QPSK	1	49	LTE B7	20	20944	2519.4	QPSK	1	0	25.00
Max	LTE B7	15	20825	2507.5	QPSK	1	74	LTE B7	10	20945	2519.5	QPSK	1	0	24.78
Max	LTE B7	15	20825	2507.5	QPSK	1	74	LTE B7	15	20975	2522.5	QPSK	1	0	24.81
Max	LTE B7	15	20825	2507.5	QPSK	1	74	LTE B7	20	20996	2524.6	QPSK	1	0	25.00
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	10	20994	2524.4	QPSK	1	0	24.72
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	15	21021	2527.1	QPSK	1	0	24.74
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	20	21048	2529.8	QPSK	1	0	24.77
Max	LTE B7	10	21100	2535	QPSK	1	49	LTE B7	20	21244	2549.4	QPSK	1	0	25.00
Max	LTE B7	15	21100	2535	QPSK	1	74	LTE B7	10	21220	2547	QPSK	1	0	24.76
Max	LTE B7	15	21100	2535	QPSK	1	74	LTE B7	15	21250	2550	QPSK	1	0	24.90
Max	LTE B7	15	21100	2535	QPSK	1	74	LTE B7	20	21271	2552.1	QPSK	1	0	25.00
Max	LTE B7	20	21100	2535	QPSK	1	99	LTE B7	10	21244	2549.4	QPSK	1	0	24.97
Max	LTE B7	20	21100	2535	QPSK	1	99	LTE B7	15	21271	2552.1	QPSK	1	0	24.81
Max	LTE B7	20	21100	2535	QPSK	1	99	LTE B7	20	21298	2554.8	QPSK	1	0	24.72
Max	LTE B7	10	21400	2565	QPSK	1	0	LTE B7	20	21256	2550.6	QPSK	1	99	25.00
Max	LTE B7	15	21375	2562.5	QPSK	1	0	LTE B7	10	21255	2550.5	QPSK	1	49	24.52
Max	LTE B7	15	21375	2562.5	QPSK	1	0	LTE B7	15	21225	2547.5	QPSK	1	74	24.59
Max	LTE B7	15	21375	2562.5	QPSK	1	0	LTE B7	20	21204	2545.4	QPSK	1	99	24.67
Max	LTE B7	20	21350	2560	QPSK	1	0	LTE B7	10	21206	2545.6	QPSK	1	49	24.35
Max	LTE B7	20	21350	2560	QPSK	1	0	LTE B7	15	21179	2542.9	QPSK	1	74	24.60
Max	LTE B7	20	21350	2560	QPSK	1	0	LTE B7	20	21152	2540.2	QPSK	1	99	24.67

Table 7-8. Conducted Powers (B7 – PCC: RB Size 1 Offset Max SCC: RB Size 1 Offset 0)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Power State	PCC							SCC							Power
	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	ULCA Tx.Power (dBm)
Max	LTE B7	20	20850	2510	QPSK	1	0	LTE B7	20	21048	2529.8	QPSK	1	0	20.60
Max	LTE B7	20	20850	2510	16-QAM	1	0	LTE B7	20	21048	2529.8	16-QAM	1	0	20.88
Max	LTE B7	20	20850	2510	64-QAM	1	0	LTE B7	20	21048	2529.8	64-QAM	1	0	20.97
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	20	21048	2529.8	QPSK	1	99	20.08
Max	LTE B7	20	20850	2510	QPSK	1	0	LTE B7	20	21048	2529.8	QPSK	1	99	16.10
Max	LTE B7	20	20850	2510	QPSK	1	50	LTE B7	20	21048	2529.8	QPSK	1	50	20.55
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	20	21048	2529.8	QPSK	1	0	24.90
Max	LTE B7	20	20850	2510	QPSK	100	0	LTE B7	20	21048	2529.8	QPSK	100	0	22.81
Max	LTE B7	20	20850	2510	16-QAM	100	0	LTE B7	20	21048	2529.8	16-QAM	100	0	21.82
Max	LTE B7	20	20850	2510	64-QAM	100	0	LTE B7	20	21048	2529.8	64-QAM	100	0	21.79

Table 7-9. Conducted Powers (B7 with Various Combinations for 20MHz Channel Bandwidth)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Power State	PCC							SCC							Power
	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	ULCA Tx.Power (dBm)
Max	LTE B41	5	39675	2498.5	QPSK	1	24	LTE B41	20	39792	2510.2	QPSK	1	0	24.77
Max	LTE B41	10	39700	2501	QPSK	1	49	LTE B41	15	39820	2513	QPSK	1	0	24.73
Max	LTE B41	10	39700	2501	QPSK	1	49	LTE B41	20	39844	2515.4	QPSK	1	0	24.82
Max	LTE B41	15	39725	2503.5	QPSK	1	74	LTE B41	10	39845	2515.5	QPSK	1	0	24.70
Max	LTE B41	15	39725	2503.5	QPSK	1	74	LTE B41	15	39875	2518.5	QPSK	1	0	24.80
Max	LTE B41	15	39725	2503.5	QPSK	1	74	LTE B41	20	39896	2520.6	QPSK	1	0	24.74
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	5	39867	2517.7	QPSK	1	0	24.67
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	10	39894	2520.4	QPSK	1	0	24.62
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	15	39921	2523.1	QPSK	1	0	24.72
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	24.85
Max	LTE B41	5	40620	2593	QPSK	1	24	LTE B41	20	40737	2604.7	QPSK	1	0	24.75
Max	LTE B41	10	40620	2593	QPSK	1	49	LTE B41	15	40740	2605	QPSK	1	0	24.82
Max	LTE B41	10	40620	2593	QPSK	1	49	LTE B41	20	40764	2607.4	QPSK	1	0	24.85
Max	LTE B41	15	40620	2593	QPSK	1	74	LTE B41	10	40740	2605	QPSK	1	0	24.82
Max	LTE B41	15	40620	2593	QPSK	1	74	LTE B41	15	40770	2608	QPSK	1	0	24.80
Max	LTE B41	15	40620	2593	QPSK	1	74	LTE B41	20	40791	2610.1	QPSK	1	0	24.88
Max	LTE B41	20	40620	2593	QPSK	1	99	LTE B41	5	40737	2604.7	QPSK	1	0	24.70
Max	LTE B41	20	40620	2593	QPSK	1	99	LTE B41	10	40764	2607.4	QPSK	1	0	24.72
Max	LTE B41	20	40620	2593	QPSK	1	99	LTE B41	15	40791	2610.1	QPSK	1	0	24.83
Max	LTE B41	20	40620	2593	QPSK	1	99	LTE B41	20	40818	2612.8	QPSK	1	0	24.85
Max	LTE B41	5	41565	2687.5	QPSK	1	0	LTE B41	20	41448	2675.8	QPSK	1	99	24.60
Max	LTE B41	10	41540	2685	QPSK	1	0	LTE B41	15	41420	2673	QPSK	1	74	24.85
Max	LTE B41	10	41540	2685	QPSK	1	0	LTE B41	20	41396	2670.6	QPSK	1	99	24.87
Max	LTE B41	15	41515	2682.5	QPSK	1	0	LTE B41	10	41395	2670.5	QPSK	1	49	24.60
Max	LTE B41	15	41515	2682.5	QPSK	1	0	LTE B41	15	41365	2667.5	QPSK	1	74	24.63
Max	LTE B41	15	41515	2682.5	QPSK	1	0	LTE B41	20	41344	2665.4	QPSK	1	99	24.61
Max	LTE B41	20	41490	2680	QPSK	1	0	LTE B41	5	41373	2668.3	QPSK	1	24	24.70
Max	LTE B41	20	41490	2680	QPSK	1	0	LTE B41	10	41346	2665.6	QPSK	1	49	24.62
Max	LTE B41	20	41490	2680	QPSK	1	0	LTE B41	15	41319	2662.9	QPSK	1	74	24.92
Max	LTE B41	20	41490	2680	QPSK	1	0	LTE B41	20	41292	2660.2	QPSK	1	99	24.72

Table 7-10. Conducted Powers (B41 – PCC: RB Size 1 Offset Max SCC: RB Size 1 Offset 0)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 235 of 340

Power State	PCC							SCC							Power
	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	ULCA Tx.Power (dBm)
Max	LTE B41	20	39750	2506	QPSK	1	0	LTE B41	20	39948	2525.8	QPSK	1	0	20.15
Max	LTE B7	20	39750	2506	16-QAM	1	0	LTE B7	20	39948	2525.8	16-QAM	1	0	20.12
Max	LTE B7	20	39750	2506	64-QAM	1	0	LTE B7	20	39948	2525.8	64-QAM	1	0	20.19
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	99	20.22
Max	LTE B41	20	39750	2506	QPSK	1	0	LTE B41	20	39948	2525.8	QPSK	1	99	16.25
Max	LTE B41	20	39750	2506	QPSK	1	50	LTE B41	20	39948	2525.8	QPSK	1	50	20.16
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	24.95
Max	LTE B41	20	39750	2506	QPSK	100	0	LTE B41	20	39948	2525.8	QPSK	100	0	22.92
Max	LTE B41	20	39750	2506	16-QAM	100	0	LTE B41	20	39948	2525.8	16-QAM	100	0	21.92
Max	LTE B41	20	39750	2506	64-QAM	100	0	LTE B41	20	39948	2525.8	64-QAM	100	0	21.90

Table 7-11. Conducted Powers (B41 with Various Combinations for 20MHz Channel Bandwidth)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 236 of 340

Port B

Power State	PCC							SCC							Power ULCA Tx.Power (dBm)
	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	
Max	LTE B7	10	20800	2505	QPSK	1	49	LTE B7	20	20944	2519.4	QPSK	1	0	22.67
Max	LTE B7	15	20825	2507.5	QPSK	1	74	LTE B7	10	20945	2519.5	QPSK	1	0	22.46
Max	LTE B7	15	20825	2507.5	QPSK	1	74	LTE B7	15	20975	2522.5	QPSK	1	0	22.61
Max	LTE B7	15	20825	2507.5	QPSK	1	74	LTE B7	20	20996	2524.6	QPSK	1	0	22.70
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	10	20994	2524.4	QPSK	1	0	22.36
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	15	21021	2527.1	QPSK	1	0	22.59
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	20	21048	2529.8	QPSK	1	0	22.59
Max	LTE B7	10	21100	2535	QPSK	1	49	LTE B7	20	21244	2549.4	QPSK	1	0	22.36
Max	LTE B7	15	21100	2535	QPSK	1	74	LTE B7	10	21220	2547	QPSK	1	0	22.49
Max	LTE B7	15	21100	2535	QPSK	1	74	LTE B7	15	21250	2550	QPSK	1	0	22.27
Max	LTE B7	15	21100	2535	QPSK	1	74	LTE B7	20	21271	2552.1	QPSK	1	0	22.28
Max	LTE B7	20	21100	2535	QPSK	1	99	LTE B7	10	21244	2549.4	QPSK	1	0	22.37
Max	LTE B7	20	21100	2535	QPSK	1	99	LTE B7	15	21271	2552.1	QPSK	1	0	22.28
Max	LTE B7	20	21100	2535	QPSK	1	99	LTE B7	20	21298	2554.8	QPSK	1	0	22.32
Max	LTE B7	10	21400	2565	QPSK	1	0	LTE B7	20	21256	2550.6	QPSK	1	99	22.47
Max	LTE B7	15	21375	2562.5	QPSK	1	0	LTE B7	10	21255	2550.5	QPSK	1	49	22.34
Max	LTE B7	15	21375	2562.5	QPSK	1	0	LTE B7	15	21225	2547.5	QPSK	1	74	22.38
Max	LTE B7	15	21375	2562.5	QPSK	1	0	LTE B7	20	21204	2545.4	QPSK	1	99	22.30
Max	LTE B7	20	21350	2560	QPSK	1	0	LTE B7	10	21206	2545.6	QPSK	1	49	22.38
Max	LTE B7	20	21350	2560	QPSK	1	0	LTE B7	15	21179	2542.9	QPSK	1	74	22.33
Max	LTE B7	20	21350	2560	QPSK	1	0	LTE B7	20	21152	2540.2	QPSK	1	99	22.45

Table 7-12. Conducted Powers (B7 – PCC: RB Size 1 Offset Max SCC: RB Size 1 Offset 0)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 237 of 340

Power State	PCC							SCC							Power
	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	ULCA Tx.Power (dBm)
Max	LTE B7	20	20850	2510	QPSK	1	0	LTE B7	20	21048	2529.8	QPSK	1	0	17.95
Max	LTE B7	20	20850	2510	16-QAM	1	0	LTE B7	20	21048	2529.8	16-QAM	1	0	18.31
Max	LTE B7	20	20850	2510	64-QAM	1	0	LTE B7	20	21048	2529.8	64-QAM	1	0	18.22
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	20	21048	2529.8	QPSK	1	99	17.78
Max	LTE B7	20	20850	2510	QPSK	1	0	LTE B7	20	21048	2529.8	QPSK	1	99	13.81
Max	LTE B7	20	20850	2510	QPSK	1	50	LTE B7	20	21048	2529.8	QPSK	1	50	17.85
Max	LTE B7	20	20850	2510	QPSK	1	99	LTE B7	20	21048	2529.8	QPSK	1	0	22.53
Max	LTE B7	20	20850	2510	QPSK	100	0	LTE B7	20	21048	2529.8	QPSK	100	0	20.61
Max	LTE B7	20	20850	2510	16-QAM	100	0	LTE B7	20	21048	2529.8	16-QAM	100	0	19.61
Max	LTE B7	20	20850	2510	64-QAM	100	0	LTE B7	20	21048	2529.8	64-QAM	100	0	19.60

Table 7-13. Conducted Powers (B7 with Various Combinations for 20MHz Channel Bandwidth)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 238 of 340

Power State	PCC							SCC							Power
	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	ULCA Tx.Power (dBm)
Max	LTE B41	5	39675	2498.5	QPSK	1	24	LTE B41	20	39792	2510.2	QPSK	1	0	22.43
Max	LTE B41	10	39700	2501	QPSK	1	49	LTE B41	15	39820	2513	QPSK	1	0	22.34
Max	LTE B41	10	39700	2501	QPSK	1	49	LTE B41	20	39844	2515.4	QPSK	1	0	22.41
Max	LTE B41	15	39725	2503.5	QPSK	1	74	LTE B41	10	39845	2515.5	QPSK	1	0	22.45
Max	LTE B41	15	39725	2503.5	QPSK	1	74	LTE B41	15	39875	2518.5	QPSK	1	0	22.26
Max	LTE B41	15	39725	2503.5	QPSK	1	74	LTE B41	20	39896	2520.6	QPSK	1	0	22.51
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	5	39867	2517.7	QPSK	1	0	22.31
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	10	39894	2520.4	QPSK	1	0	22.30
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	15	39921	2523.1	QPSK	1	0	22.27
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	22.39
Max	LTE B41	5	40620	2593	QPSK	1	24	LTE B41	20	40737	2604.7	QPSK	1	0	22.60
Max	LTE B41	10	40620	2593	QPSK	1	49	LTE B41	15	40740	2605	QPSK	1	0	22.40
Max	LTE B41	10	40620	2593	QPSK	1	49	LTE B41	20	40764	2607.4	QPSK	1	0	22.42
Max	LTE B41	15	40620	2593	QPSK	1	74	LTE B41	10	40740	2605	QPSK	1	0	22.35
Max	LTE B41	15	40620	2593	QPSK	1	74	LTE B41	15	40770	2608	QPSK	1	0	22.40
Max	LTE B41	15	40620	2593	QPSK	1	74	LTE B41	20	40791	2610.1	QPSK	1	0	22.36
Max	LTE B41	20	40620	2593	QPSK	1	99	LTE B41	5	40737	2604.7	QPSK	1	0	22.48
Max	LTE B41	20	40620	2593	QPSK	1	99	LTE B41	10	40764	2607.4	QPSK	1	0	22.54
Max	LTE B41	20	40620	2593	QPSK	1	99	LTE B41	15	40791	2610.1	QPSK	1	0	22.51
Max	LTE B41	20	40620	2593	QPSK	1	99	LTE B41	20	40818	2612.8	QPSK	1	0	22.67
Max	LTE B41	5	41565	2687.5	QPSK	1	0	LTE B41	20	41448	2675.8	QPSK	1	99	22.42
Max	LTE B41	10	41540	2685	QPSK	1	0	LTE B41	15	41420	2673	QPSK	1	74	22.29
Max	LTE B41	10	41540	2685	QPSK	1	0	LTE B41	20	41396	2670.6	QPSK	1	99	22.50
Max	LTE B41	15	41515	2682.5	QPSK	1	0	LTE B41	10	41395	2670.5	QPSK	1	49	22.29
Max	LTE B41	15	41515	2682.5	QPSK	1	0	LTE B41	15	41365	2667.5	QPSK	1	74	22.32
Max	LTE B41	15	41515	2682.5	QPSK	1	0	LTE B41	20	41344	2665.4	QPSK	1	99	22.37
Max	LTE B41	20	41490	2680	QPSK	1	0	LTE B41	5	41373	2668.3	QPSK	1	24	22.22
Max	LTE B41	20	41490	2680	QPSK	1	0	LTE B41	10	41346	2665.6	QPSK	1	49	22.31
Max	LTE B41	20	41490	2680	QPSK	1	0	LTE B41	15	41319	2662.9	QPSK	1	74	22.29
Max	LTE B41	20	41490	2680	QPSK	1	0	LTE B41	20	41292	2660.2	QPSK	1	99	22.40

Table 7-14. Conducted Powers (B41 – PCC: RB Size 1 Offset Max SCC: RB Size 1 Offset 0)

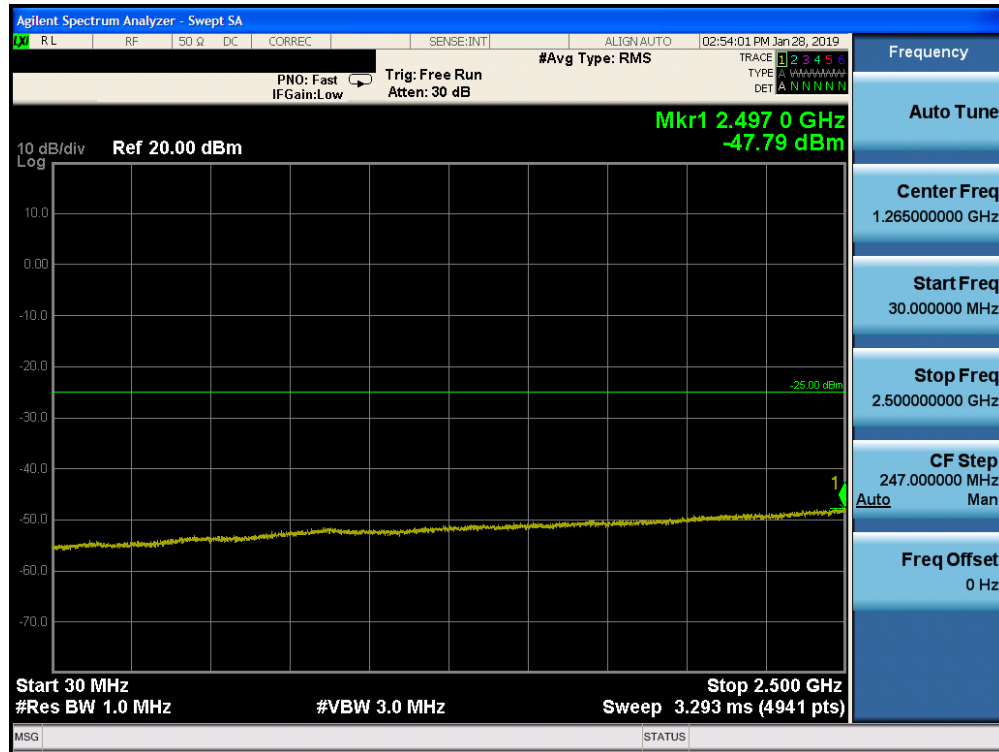
FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 239 of 340

Power State	PCC							SCC							Power
	PCC Band	PCC Bandwidth [MHz]	PCC (UL) Channel	PCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	SCC Band	SCC Bandwidth [MHz]	SCC (UL) Channel	SCC (UL) Frequency [MHz]	Modulation	PCC UL# RB	PCC UL RB Offset	ULCA Tx.Power (dBm)
Max	LTE B41	20	39750	2506	QPSK	1	0	LTE B41	20	39948	2525.8	QPSK	1	0	17.79
Max	LTE B41	20	39750	2506	16-QAM	1	0	LTE B41	20	39948	2525.8	16-QAM	1	0	18.10
Max	LTE B41	20	39750	2506	64-QAM	1	0	LTE B41	20	39948	2525.8	64QAM	1	0	18.08
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	99	18.05
Max	LTE B41	20	39750	2506	QPSK	1	0	LTE B41	20	39948	2525.8	QPSK	1	99	13.91
Max	LTE B41	20	39750	2506	QPSK	1	50	LTE B41	20	39948	2525.8	QPSK	1	50	17.76
Max	LTE B41	20	39750	2506	QPSK	1	99	LTE B41	20	39948	2525.8	QPSK	1	0	22.65
Max	LTE B41	20	39750	2506	QPSK	100	0	LTE B41	20	39948	2525.8	QPSK	100	0	20.63
Max	LTE B41	20	39750	2506	16-QAM	100	0	LTE B41	20	39948	2525.8	16-QAM	100	0	19.63
Max	LTE B41	20	39750	2506	64-QAM	100	0	LTE B41	20	39948	2525.8	64-QAM	100	0	19.59

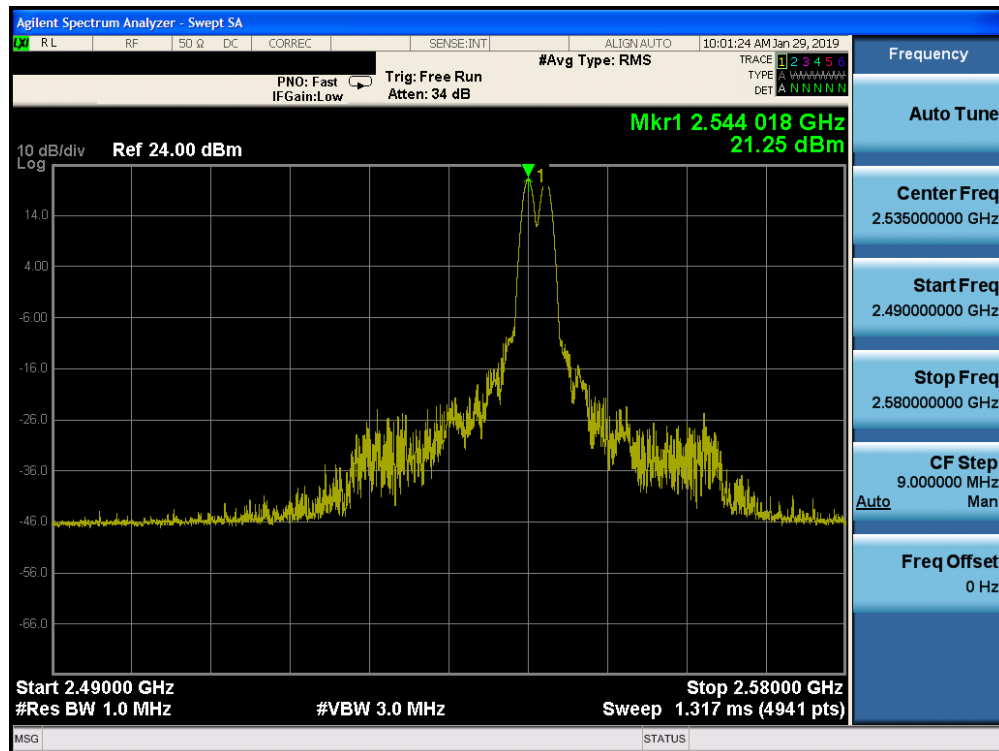
Table 7-15. Conducted Powers (B41 with Various Combinations for 20MHz Channel Bandwidth)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 240 of 340

Band 7

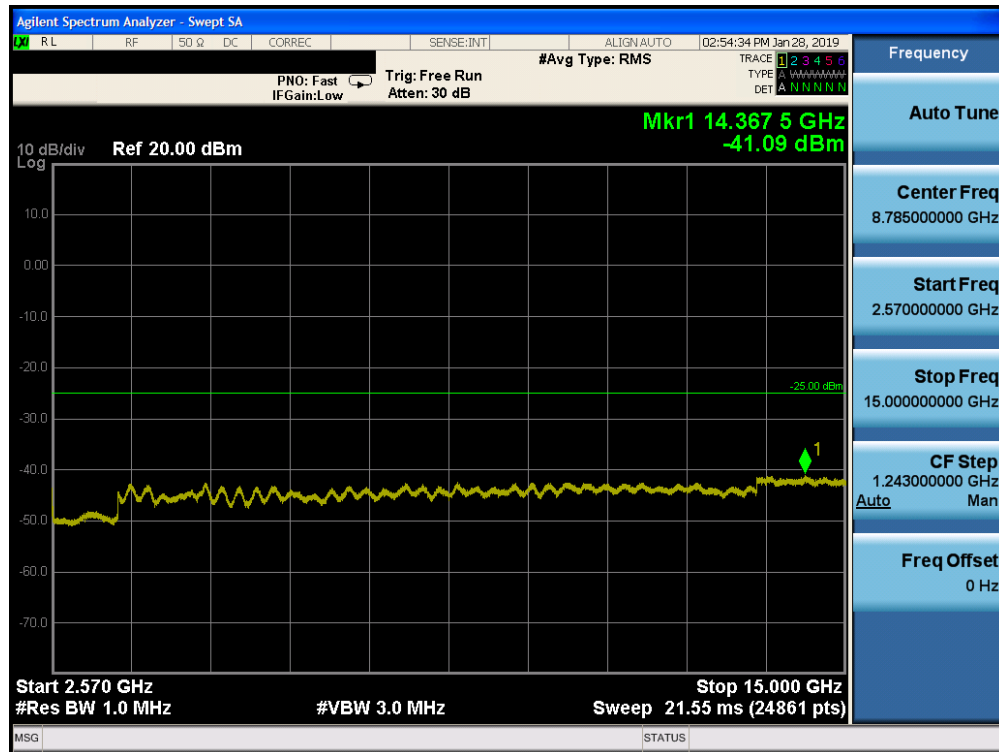


Plot 7-397. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

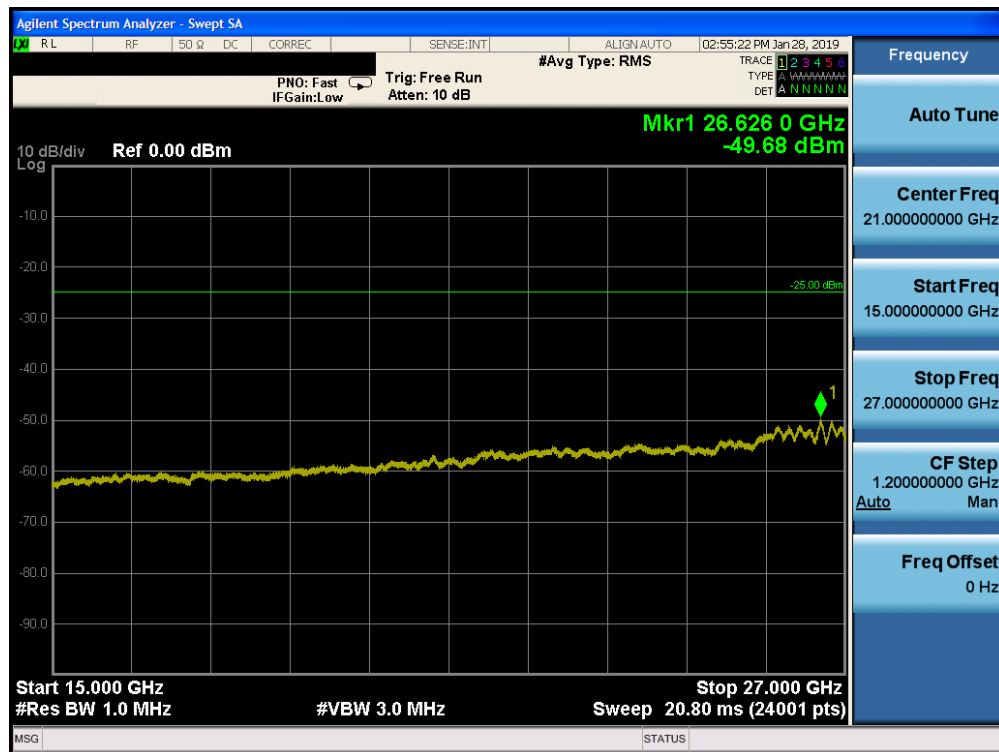


Plot 7-398. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 241 of 340

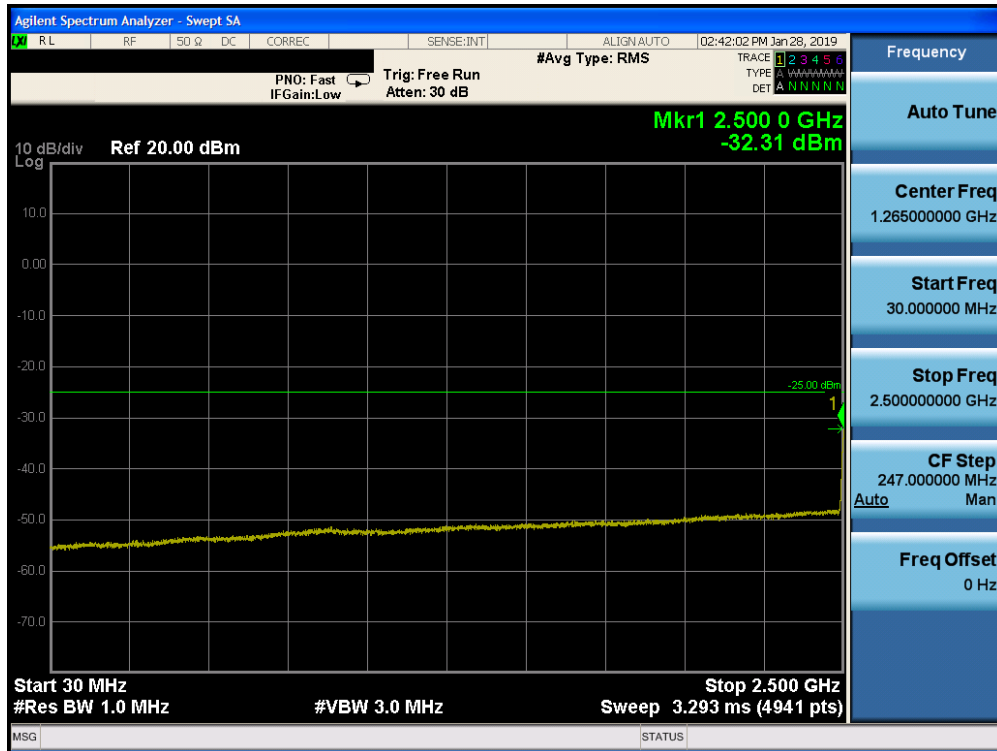


Plot 7-399. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

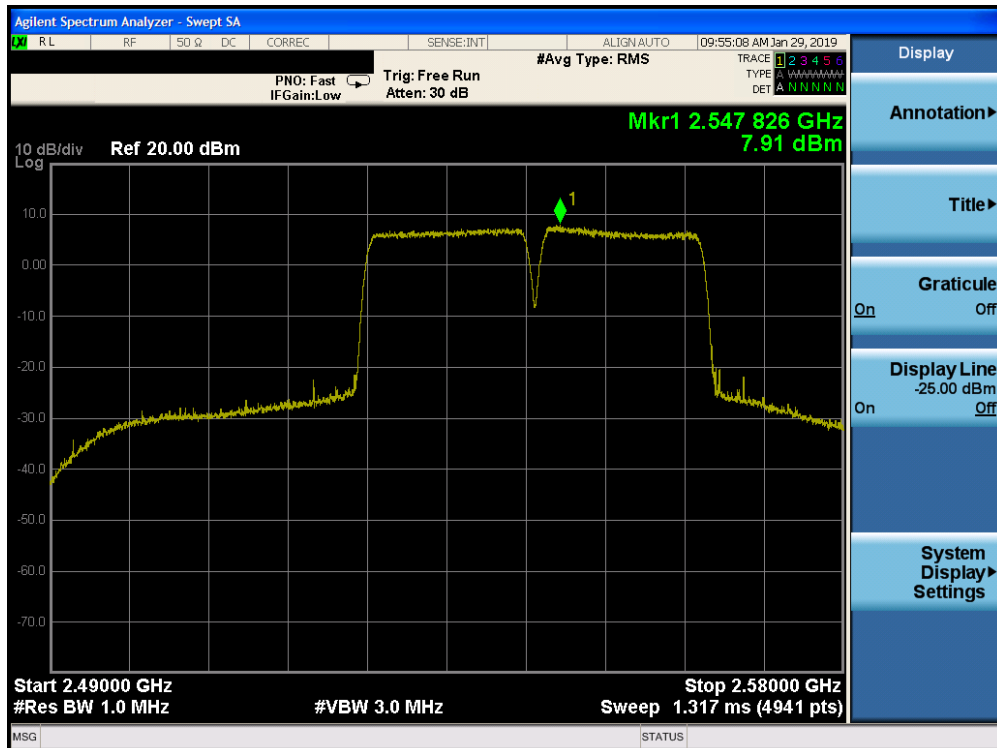


Plot 7-400. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 242 of 340

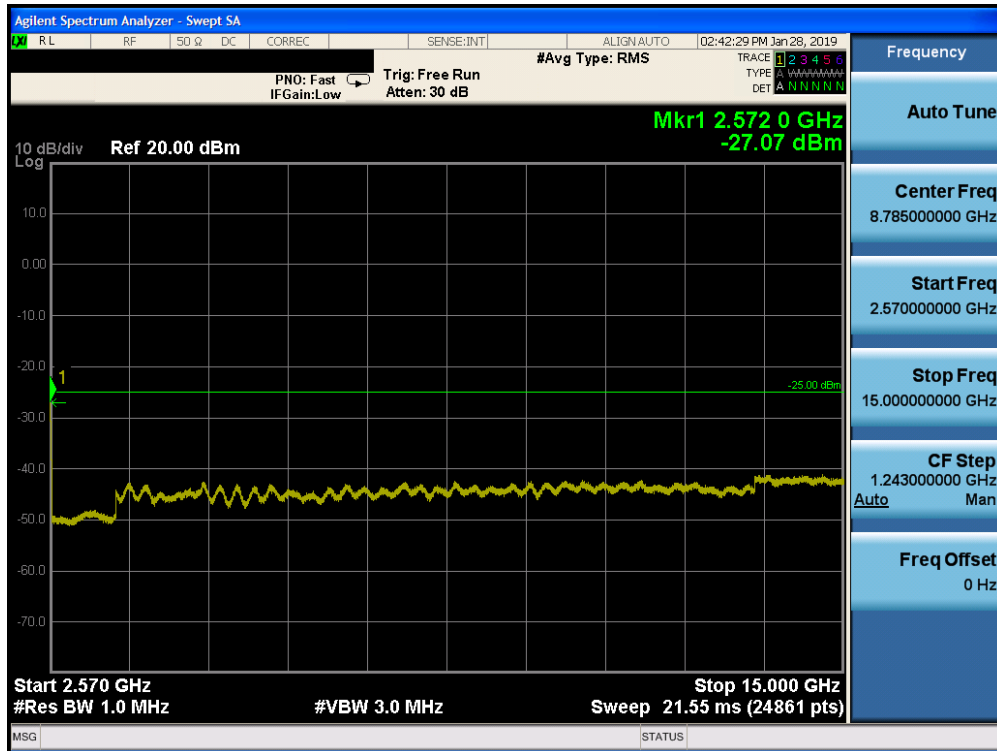


Plot 7-401. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 100/0 SCC 100/0 – Mid Channel)

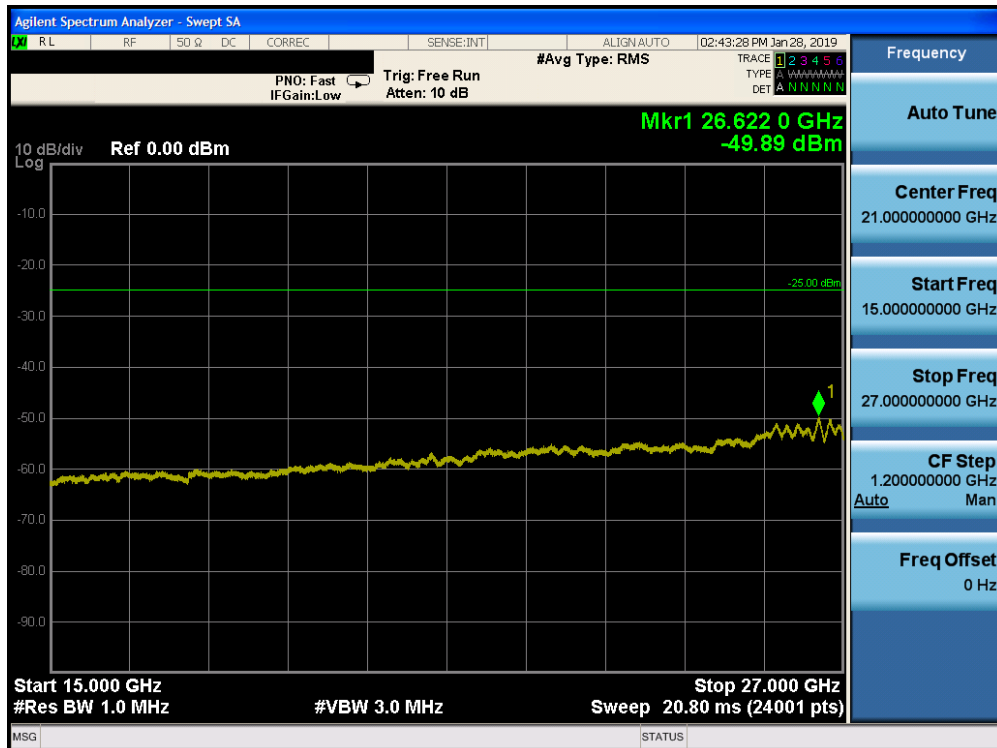


Plot 7-402. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 100/0 SCC 100/0 – Mid Channel)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 243 of 340

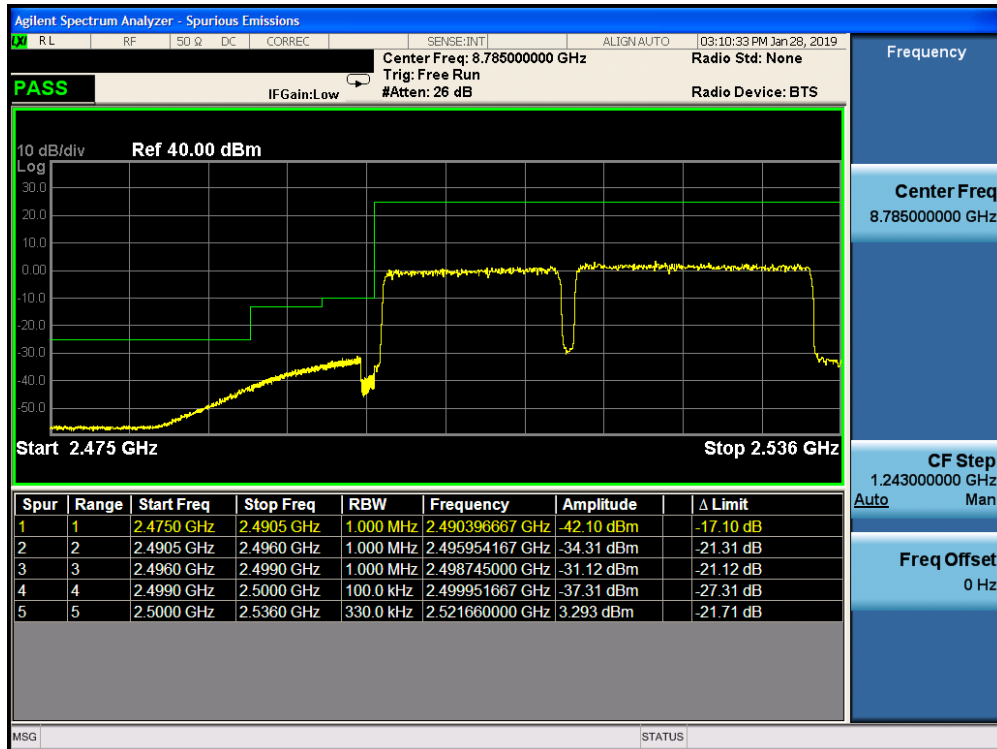


Plot 7-403. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 100/0 SCC 100/0 – Mid Channel)

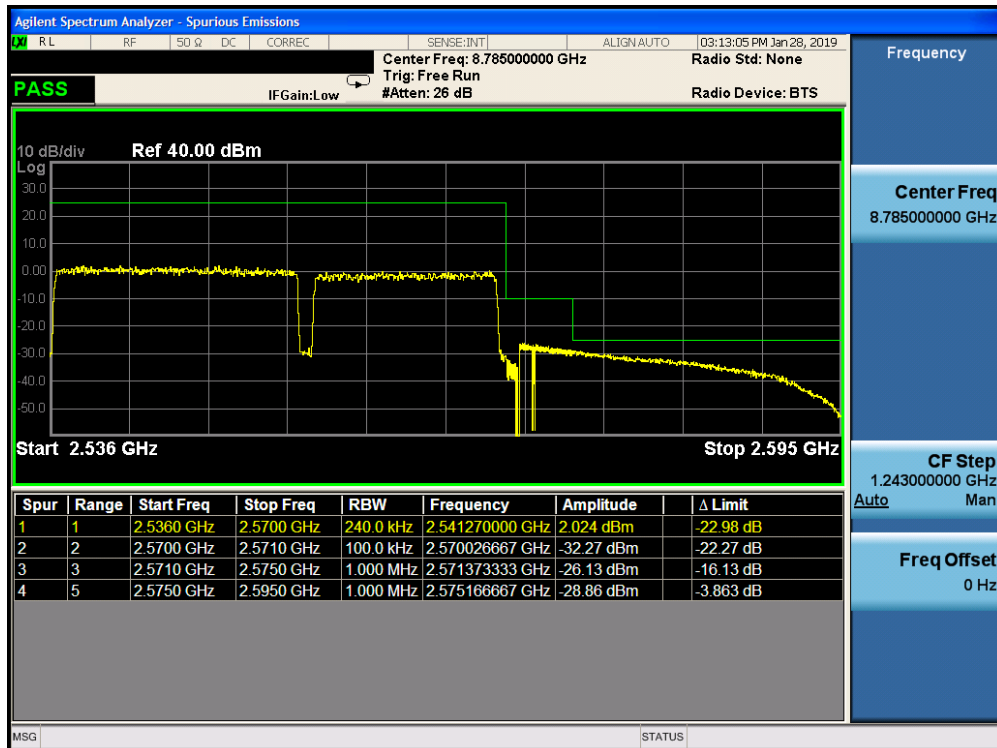


Plot 7-404. Conducted Spurious Plot (Band 7 – 20.0MHz QPSK – PCC 100/0 SCC 100/0 – Mid Channel)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 244 of 340

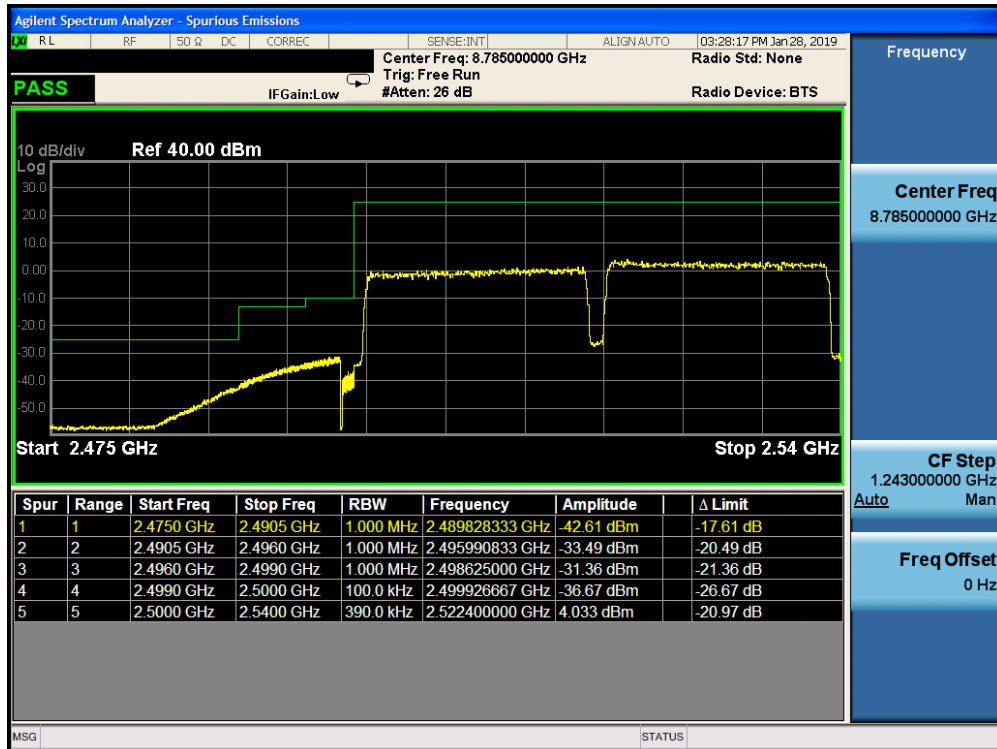


Plot 7-405. Lower ACP Plot (Band 7 QPSK – PCC:15 MHz SCC:20 MHz – Full RB)

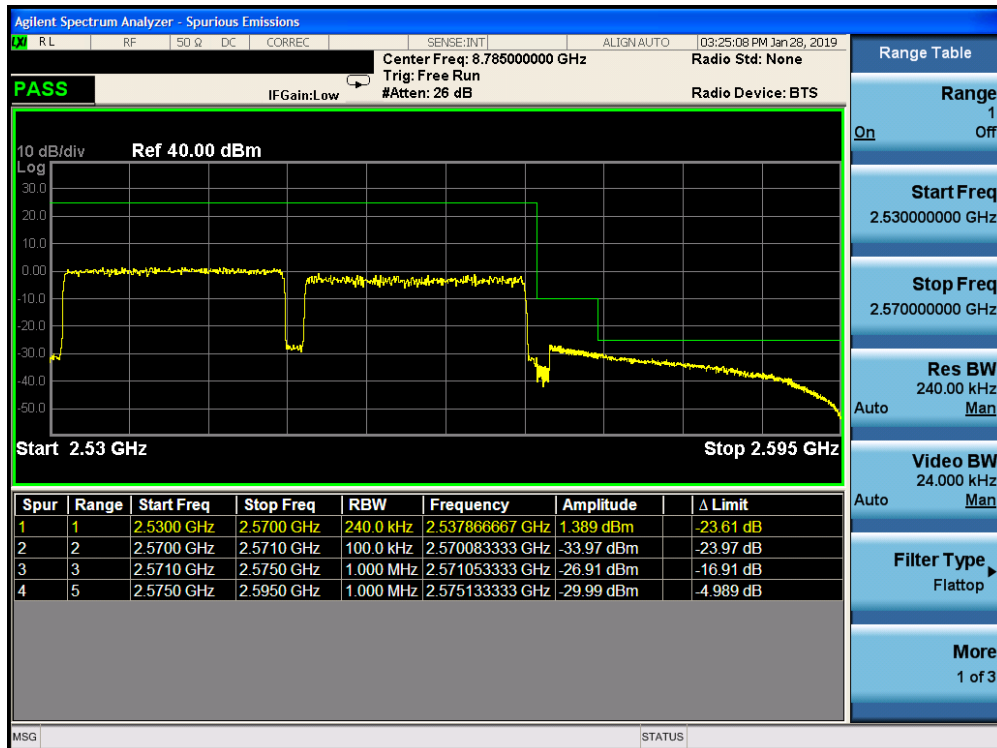


Plot 7-406. Upper ACP Plot (Band 7 QPSK – PCC:15 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2124			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device		Page 245 of 340



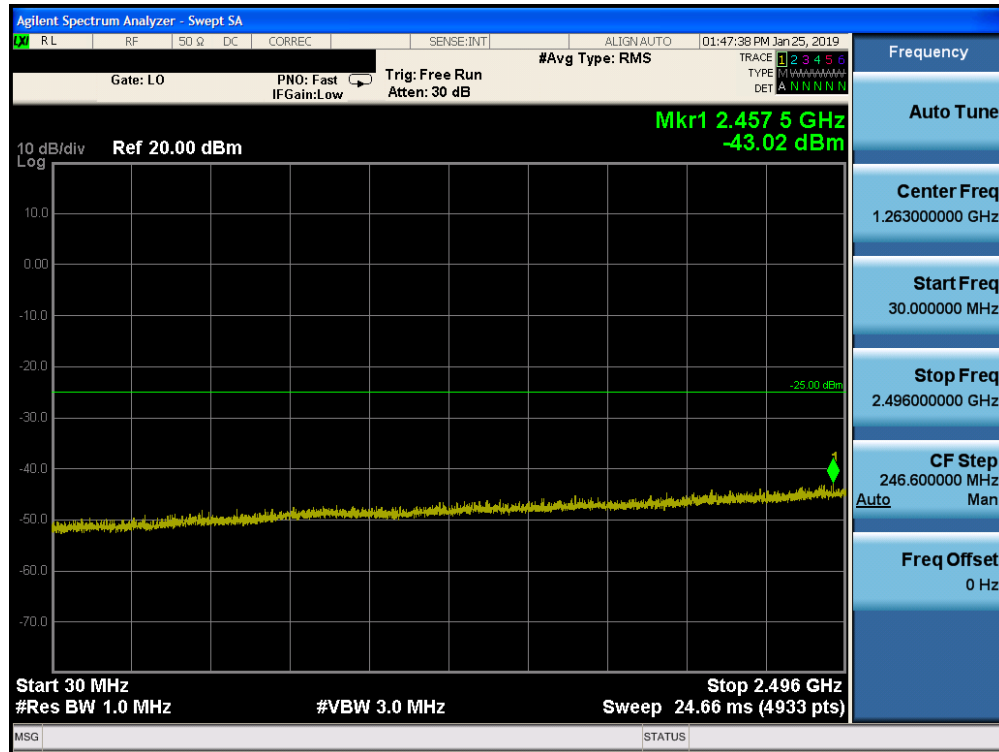
Plot 7-407. Lower ACP Plot (Band 7 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)



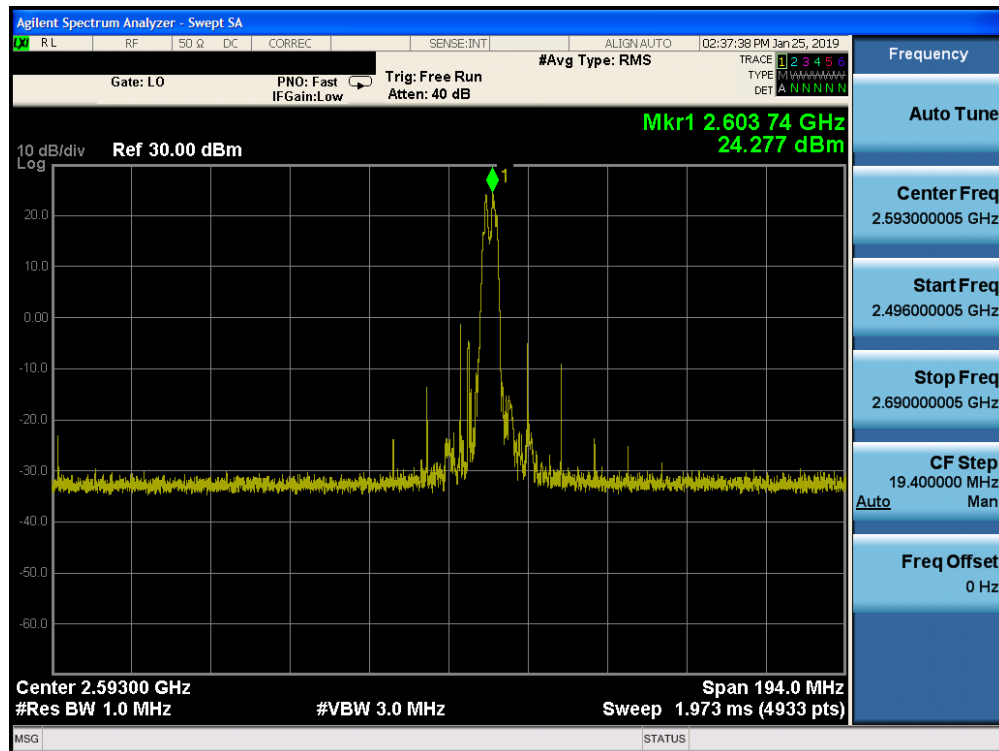
Plot 7-408. Upper ACP Plot (Band 7 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 246 of 340

Band 41

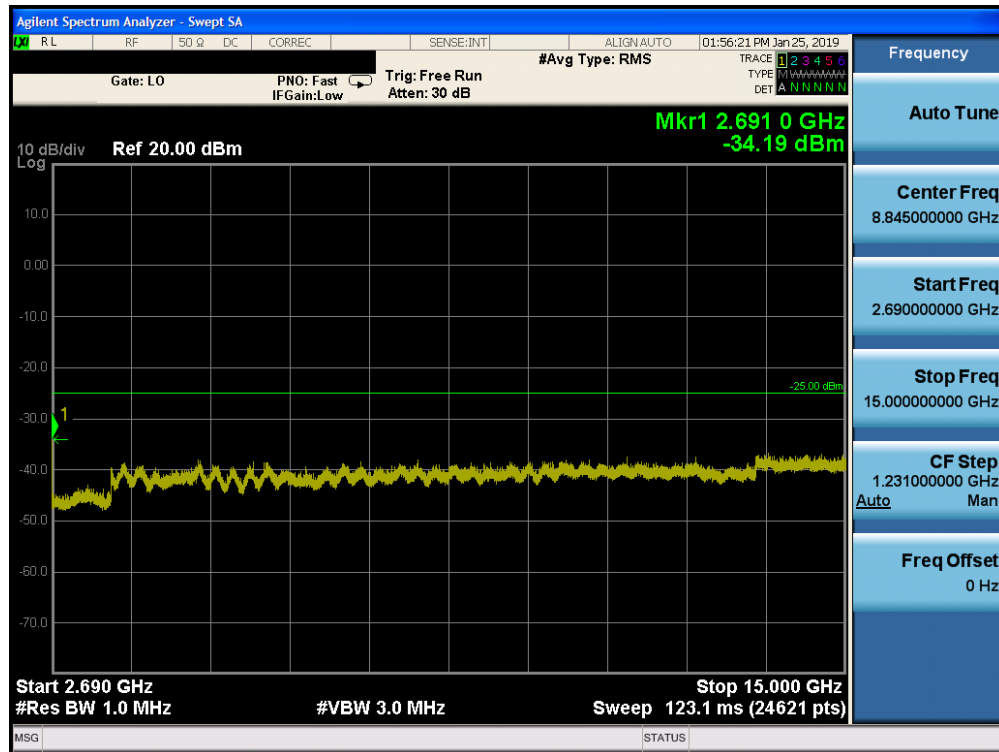


Plot 7-409. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

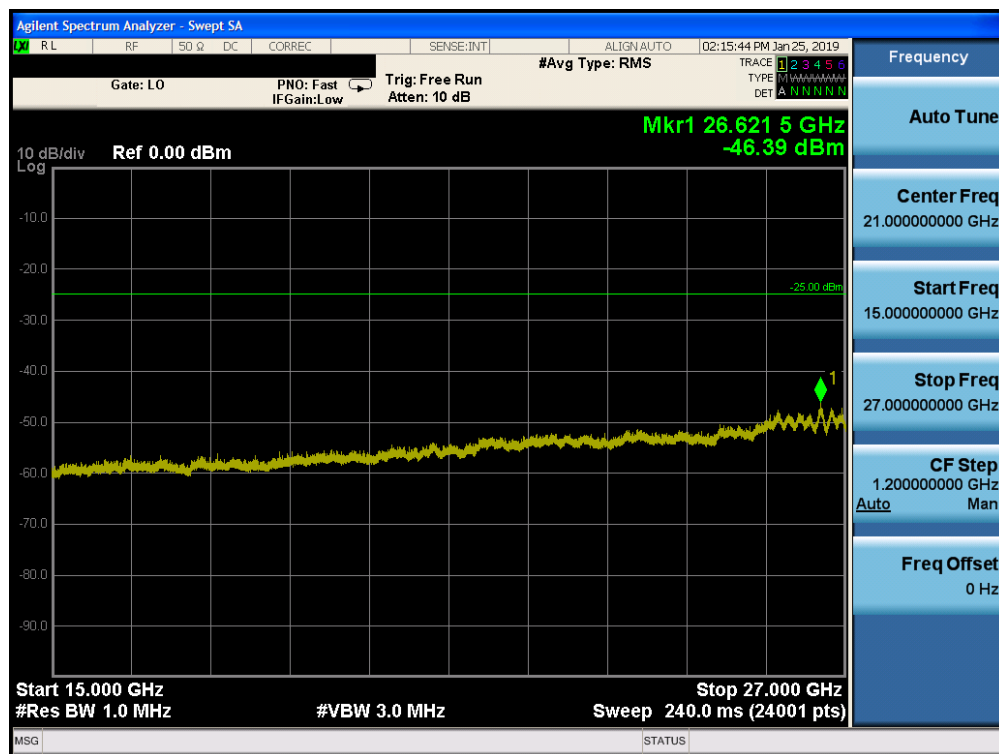


Plot 7-410. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 247 of 340

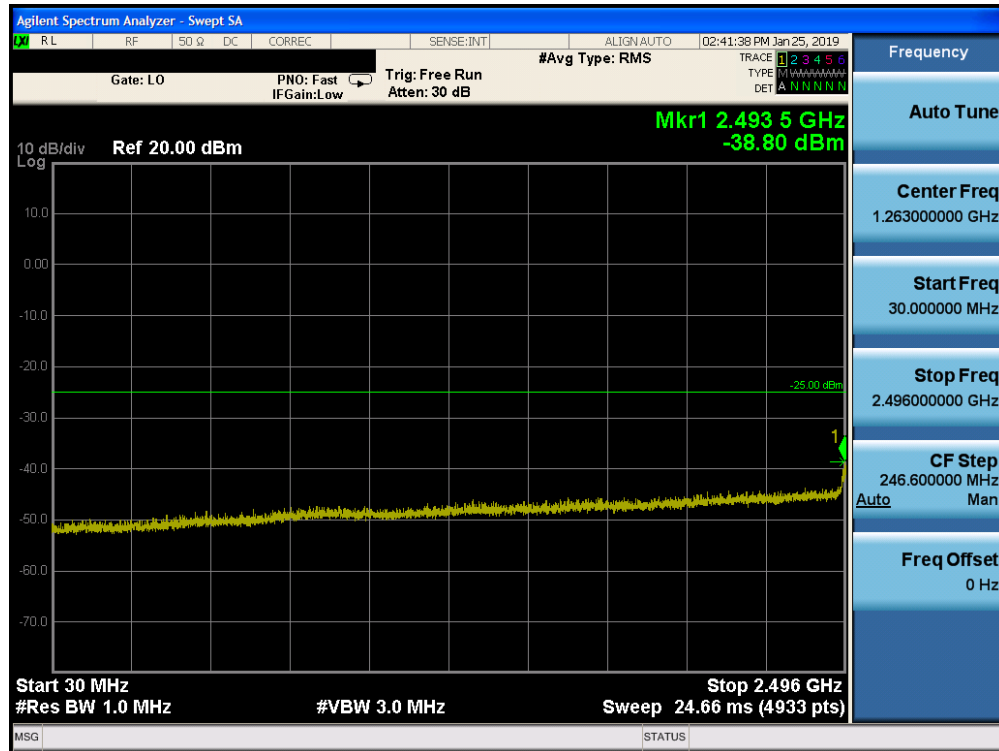


Plot 7-411. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

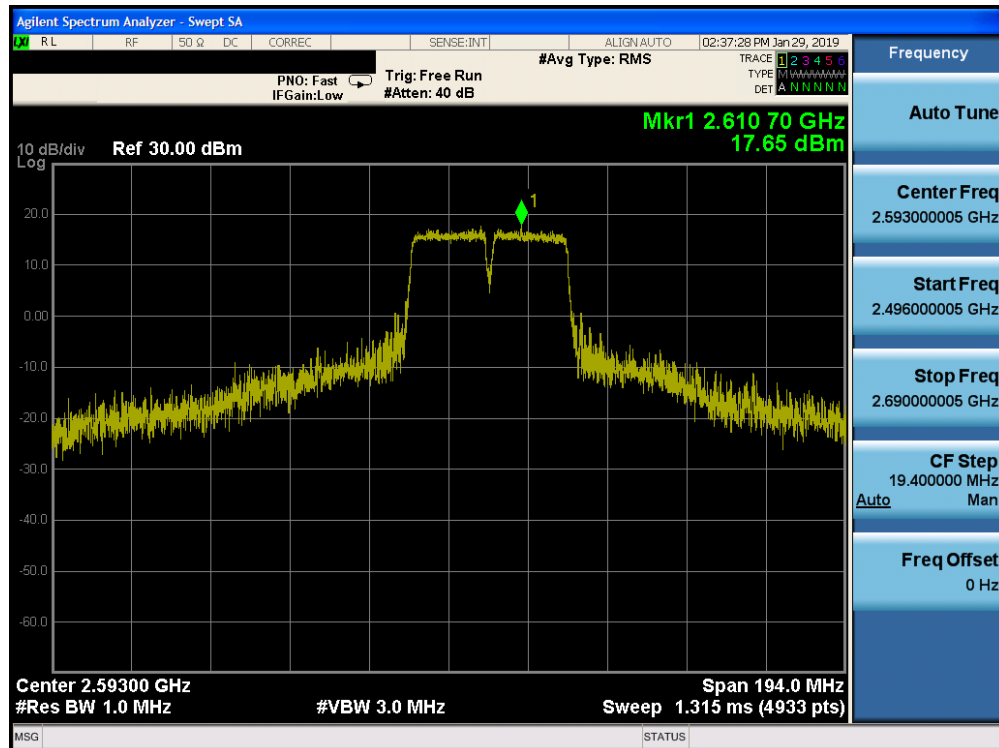


Plot 7-412. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 1/99 SCC 1/0 – Mid Channel)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 248 of 340

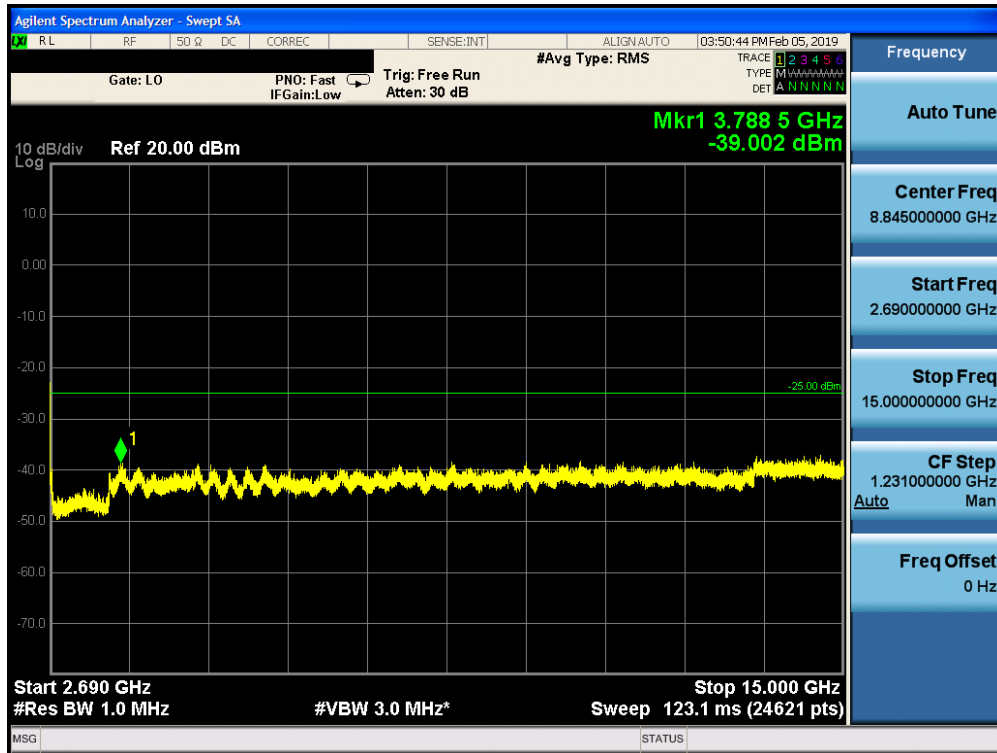


Plot 7-413. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 100/0 SCC 100/0 – Mid Channel)

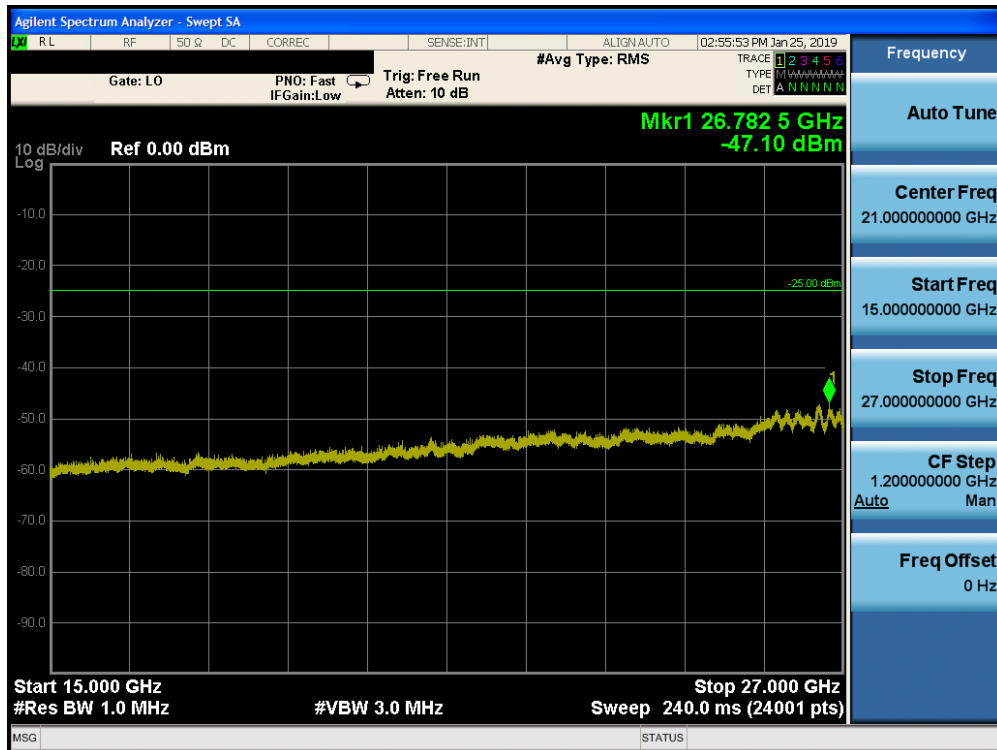


Plot 7-414. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 100/0 SCC 100/0 – Mid Channel)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 249 of 340

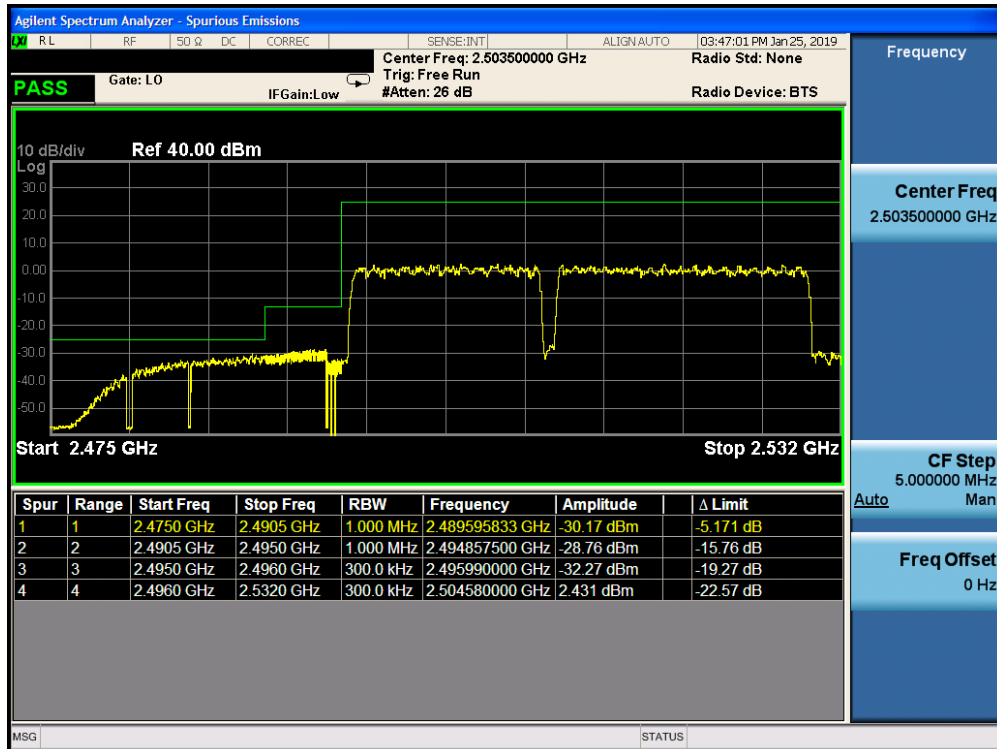


Plot 7-415. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 100/0 SCC 100/0 – Mid Channel)

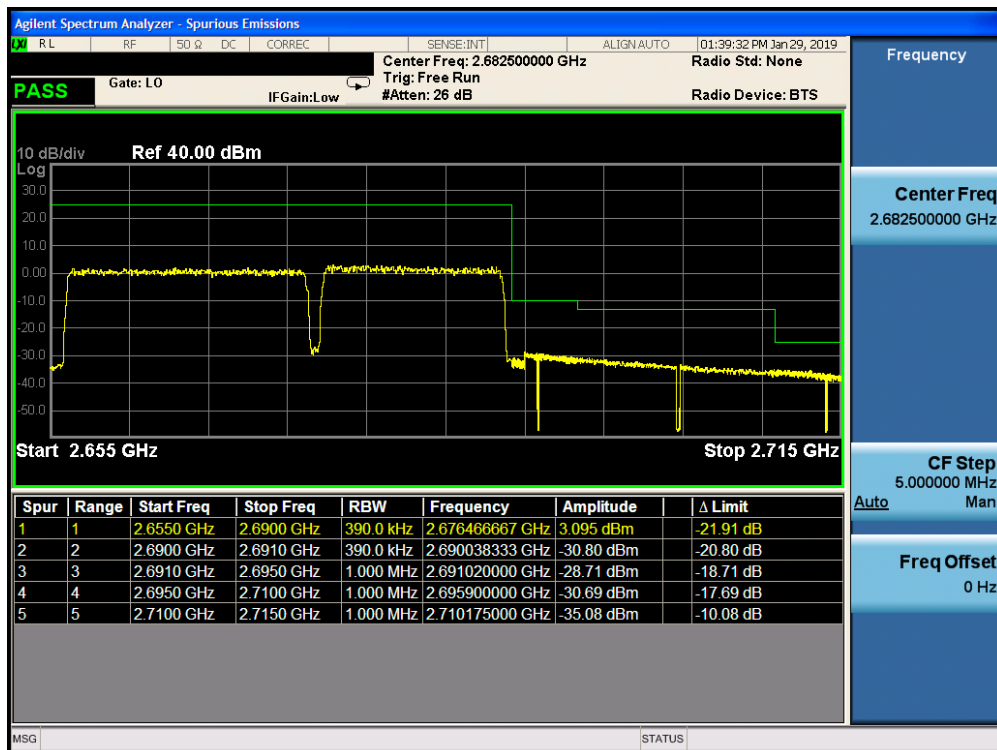


Plot 7-416. Conducted Spurious Plot (Band 41 – 20.0MHz QPSK – PCC 100/0 SCC 100/0 – Mid Channel)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 250 of 340

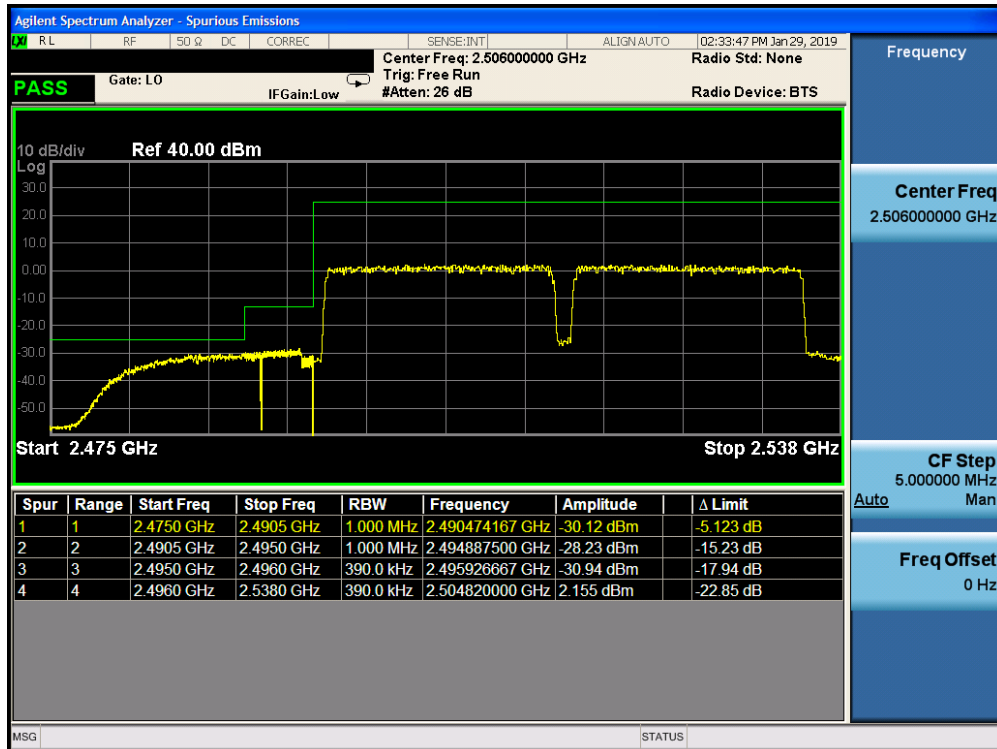


Plot 7-417. Lower ACP Plot (Band 41 QPSK – PCC:15 MHz SCC:20 MHz – Full RB)

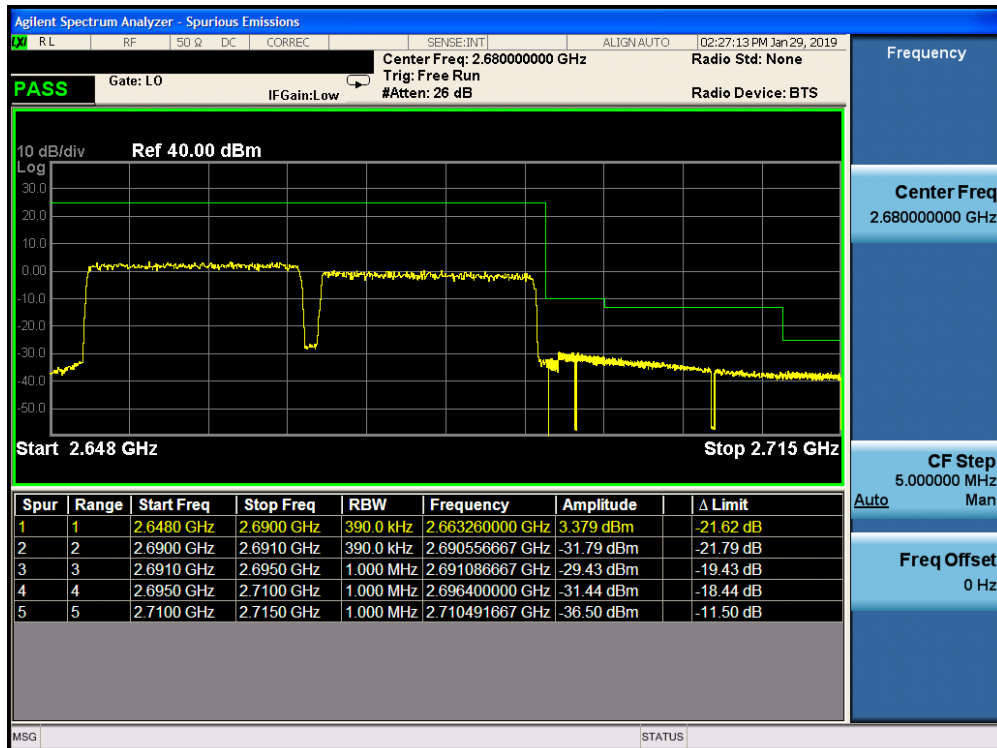


Plot 7-418. Upper ACP Plot (Band 41 QPSK – PCC:15 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 251 of 340



Plot 7-419. Lower ACP Plot (Band 41 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)



Plot 7-420. Upper ACP Plot (Band 41 QPSK – PCC:20 MHz SCC:20 MHz – Full RB)

FCC ID: BCGA2124			MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device		Page 252 of 340

7.8 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 its maximum duty cycle, 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.

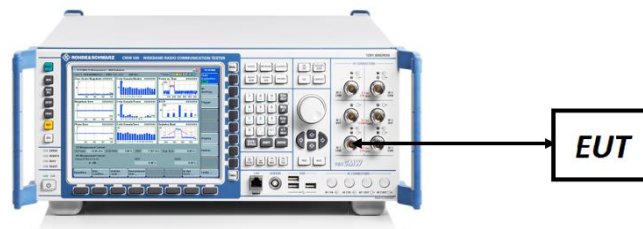


Figure 7-7. ERP/EIRP Measurement Setup

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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- 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.

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.8.1 Port A Radiated Power (ERP/EIRP)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
699.70	1.4	QPSK	3 / 2	25.17	-1.90	21.12	0.129	34.77	-13.65	23.27	0.212	36.99	-13.72
707.50	1.4	QPSK	1 / 5	25.28	-1.90	21.23	0.133	34.77	-13.54	23.38	0.218	36.99	-13.61
715.30	1.4	QPSK	1 / 5	25.32	-1.90	21.27	0.134	34.77	-13.50	23.42	0.220	36.99	-13.57
699.70	1.4	16-QAM	1 / 5	24.39	-1.90	20.34	0.108	34.77	-14.43	22.49	0.177	36.99	-14.50
707.50	1.4	16-QAM	1 / 5	24.46	-1.90	20.41	0.110	34.77	-14.36	22.56	0.180	36.99	-14.43
715.30	1.4	16-QAM	1 / 5	24.40	-1.90	20.35	0.108	34.77	-14.42	22.50	0.178	36.99	-14.49
699.70	1.4	64-QAM	1 / 5	23.54	-1.90	19.49	0.089	34.77	-15.28	21.64	0.146	36.99	-15.35
707.50	1.4	64-QAM	1 / 5	23.52	-1.90	19.47	0.089	34.77	-15.30	21.62	0.145	36.99	-15.37
715.30	1.4	64-QAM	1 / 0	23.57	-1.90	19.52	0.090	34.77	-15.25	21.67	0.147	36.99	-15.32
700.50	3	QPSK	1 / 0	25.28	-1.90	21.23	0.133	34.77	-13.54	23.38	0.218	36.99	-13.61
707.50	3	QPSK	1 / 14	25.31	-1.90	21.26	0.134	34.77	-13.51	23.41	0.219	36.99	-13.58
714.50	3	QPSK	1 / 14	25.21	-1.90	21.16	0.131	34.77	-13.61	23.31	0.214	36.99	-13.68
700.50	3	16-QAM	1 / 0	24.59	-1.90	20.54	0.113	34.77	-14.23	22.69	0.186	36.99	-14.30
707.50	3	16-QAM	1 / 14	24.30	-1.90	20.25	0.106	34.77	-14.52	22.40	0.174	36.99	-14.59
714.50	3	16-QAM	1 / 14	24.50	-1.90	20.45	0.111	34.77	-14.32	22.60	0.182	36.99	-14.39
700.50	3	64-QAM	1 / 0	23.52	-1.90	19.47	0.089	34.77	-15.30	21.62	0.145	36.99	-15.37
707.50	3	64-QAM	1 / 14	23.46	-1.90	19.41	0.087	34.77	-15.36	21.56	0.143	36.99	-15.43
714.50	3	64-QAM	1 / 14	23.57	-1.90	19.52	0.090	34.77	-15.25	21.67	0.147	36.99	-15.32
701.50	5	QPSK	1 / 24	25.31	-1.90	21.26	0.134	34.77	-13.51	23.41	0.219	36.99	-13.58
707.50	5	QPSK	1 / 24	25.30	-1.90	21.25	0.133	34.77	-13.52	23.40	0.219	36.99	-13.59
713.50	5	QPSK	1 / 0	25.27	-1.90	21.22	0.132	34.77	-13.55	23.37	0.217	36.99	-13.62
701.50	5	16-QAM	1 / 24	24.51	-1.90	20.46	0.111	34.77	-14.31	22.61	0.182	36.99	-14.38
707.50	5	16-QAM	1 / 24	24.75	-1.90	20.70	0.117	34.77	-14.07	22.85	0.193	36.99	-14.14
713.50	5	16-QAM	1 / 24	24.75	-1.90	20.70	0.117	34.77	-14.07	22.85	0.193	36.99	-14.14
701.50	5	64-QAM	1 / 0	23.64	-1.90	19.59	0.091	34.77	-15.18	21.74	0.149	36.99	-15.25
707.50	5	64-QAM	1 / 24	23.60	-1.90	19.55	0.090	34.77	-15.22	21.70	0.148	36.99	-15.29
713.50	5	64-QAM	1 / 0	23.66	-1.90	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
704.00	10	QPSK	1 / 49	25.27	-1.90	21.22	0.132	34.77	-13.55	23.37	0.217	36.99	-13.62
707.50	10	QPSK	1 / 49	25.42	-1.90	21.37	0.137	34.77	-13.40	23.52	0.225	36.99	-13.47
711.00	10	QPSK	1 / 0	25.27	-1.90	21.22	0.132	34.77	-13.55	23.37	0.217	36.99	-13.62
704.00	10	16-QAM	1 / 0	24.61	-1.90	20.56	0.114	34.77	-14.21	22.71	0.187	36.99	-14.28
707.50	10	16-QAM	1 / 49	24.53	-1.90	20.48	0.112	34.77	-14.29	22.63	0.183	36.99	-14.36
711.00	10	16-QAM	1 / 49	24.72	-1.90	20.67	0.117	34.77	-14.10	22.82	0.191	36.99	-14.17
704.00	10	64-QAM	1 / 49	23.57	-1.90	19.52	0.090	34.77	-15.25	21.67	0.147	36.99	-15.32
707.50	10	64-QAM	1 / 49	23.55	-1.90	19.50	0.089	34.77	-15.27	21.65	0.146	36.99	-15.34
711.00	10	64-QAM	1 / 49	23.52	-1.90	19.47	0.089	34.77	-15.30	21.62	0.145	36.99	-15.37

Table 7-16. ERP Data (Band 12)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 255 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
706.50	5	QPSK	1 / 0	25.49	-1.90	21.44	0.139	34.77	-13.33	23.59	0.229	36.99	-13.40
710.00	5	QPSK	1 / 24	25.46	-1.90	21.41	0.138	34.77	-13.36	23.56	0.227	36.99	-13.43
713.50	5	QPSK	1 / 0	25.47	-1.90	21.42	0.139	34.77	-13.35	23.57	0.228	36.99	-13.42
706.50	5	16-QAM	1 / 0	24.89	-1.90	20.84	0.121	34.77	-13.93	22.99	0.199	36.99	-14.00
710.00	5	16-QAM	1 / 24	24.91	-1.90	20.86	0.122	34.77	-13.91	23.01	0.200	36.99	-13.98
713.50	5	16-QAM	1 / 24	24.66	-1.90	20.61	0.115	34.77	-14.16	22.76	0.189	36.99	-14.23
706.50	5	64-QAM	1 / 0	23.83	-1.90	19.78	0.095	34.77	-14.99	21.93	0.156	36.99	-15.06
710.00	5	64-QAM	1 / 24	23.78	-1.90	19.73	0.094	34.77	-15.04	21.88	0.154	36.99	-15.11
713.50	5	64-QAM	1 / 0	23.77	-1.90	19.72	0.094	34.77	-15.05	21.87	0.154	36.99	-15.12
709.00	10	QPSK	1 / 0	25.46	-1.90	21.41	0.138	34.77	-13.36	23.56	0.227	36.99	-13.43
710.00	10	QPSK	1 / 0	25.47	-1.90	21.42	0.139	34.77	-13.35	23.57	0.228	36.99	-13.42
711.00	10	QPSK	1 / 49	25.48	-1.90	21.43	0.139	34.77	-13.34	23.58	0.228	36.99	-13.41
709.00	10	16-QAM	1 / 0	24.86	-1.90	20.81	0.121	34.77	-13.96	22.96	0.198	36.99	-14.03
710.00	10	16-QAM	1 / 49	24.70	-1.90	20.65	0.116	34.77	-14.12	22.80	0.191	36.99	-14.19
711.00	10	16-QAM	1 / 0	24.83	-1.90	20.78	0.120	34.77	-13.99	22.93	0.196	36.99	-14.06
709.00	10	64-QAM	1 / 0	23.75	-1.90	19.70	0.093	34.77	-15.07	21.85	0.153	36.99	-15.14
710.00	10	64-QAM	1 / 0	23.61	-1.90	19.56	0.090	34.77	-15.21	21.71	0.148	36.99	-15.28
711.00	10	64-QAM	1 / 0	23.72	-1.90	19.67	0.093	34.77	-15.10	21.82	0.152	36.99	-15.17

Table 7-17. ERP Data (Band 17)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
779.50	5	QPSK	1 / 0	25.42	-1.90	21.37	0.137	34.77	-13.40	23.52	0.225	36.99	-13.47
782.00	5	QPSK	1 / 24	25.14	-1.90	21.09	0.129	34.77	-13.68	23.24	0.211	36.99	-13.75
784.50	5	QPSK	1 / 24	25.32	-1.90	21.27	0.134	34.77	-13.50	23.42	0.220	36.99	-13.57
779.50	5	16-QAM	1 / 0	24.58	-1.90	20.53	0.113	34.77	-14.24	22.68	0.185	36.99	-14.31
782.00	5	16-QAM	1 / 24	24.38	-1.90	20.33	0.108	34.77	-14.44	22.48	0.177	36.99	-14.51
784.50	5	16-QAM	1 / 24	24.75	-1.90	20.70	0.117	34.77	-14.07	22.85	0.193	36.99	-14.14
779.50	5	64-QAM	1 / 0	23.71	-1.90	19.66	0.092	34.77	-15.11	21.81	0.152	36.99	-15.18
782.00	5	64-QAM	1 / 24	23.44	-1.90	19.39	0.087	34.77	-15.38	21.54	0.143	36.99	-15.45
784.50	5	64-QAM	1 / 24	23.66	-1.90	19.61	0.091	34.77	-15.16	21.76	0.150	36.99	-15.23
782.00	10	QPSK	1 / 0	25.37	-1.90	21.32	0.136	34.77	-13.45	23.47	0.222	36.99	-13.52
782.00	10	16-QAM	1 / 0	24.71	-1.90	20.66	0.116	34.77	-14.11	22.81	0.191	36.99	-14.18
782.00	10	64-QAM	1 / 0	23.60	-1.90	19.55	0.090	34.77	-15.22	21.70	0.148	36.99	-15.29

Table 7-18. ERP Data (Band 13)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 256 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	3 / 2	25.41	-1.50	21.76	0.150	38.45	-16.69	23.91	0.246	40.61	-16.70
836.50	1.4	QPSK	1 / 0	25.37	-1.50	21.72	0.149	38.45	-16.73	23.87	0.244	40.61	-16.74
848.30	1.4	QPSK	1 / 5	25.39	-1.50	21.74	0.149	38.45	-16.71	23.89	0.245	40.61	-16.72
824.70	1.4	16-QAM	1 / 5	24.60	-1.50	20.95	0.124	38.45	-17.50	23.10	0.204	40.61	-17.51
836.50	1.4	16-QAM	1 / 5	24.56	-1.50	20.91	0.123	38.45	-17.54	23.06	0.202	40.61	-17.55
848.30	1.4	16-QAM	1 / 0	24.79	-1.50	21.14	0.130	38.45	-17.31	23.29	0.213	40.61	-17.32
824.70	1.4	64-QAM	1 / 5	23.68	-1.50	20.03	0.101	38.45	-18.42	22.18	0.165	40.61	-18.43
836.50	1.4	64-QAM	1 / 5	23.60	-1.50	19.95	0.099	38.45	-18.50	22.10	0.162	40.61	-18.51
848.30	1.4	64-QAM	1 / 5	23.66	-1.50	20.01	0.100	38.45	-18.44	22.16	0.164	40.61	-18.45
825.50	3	QPSK	1 / 0	25.41	-1.50	21.76	0.150	38.45	-16.69	23.91	0.246	40.61	-16.70
836.50	3	QPSK	1 / 14	25.34	-1.50	21.69	0.148	38.45	-16.76	23.84	0.242	40.61	-16.77
847.50	3	QPSK	1 / 0	25.34	-1.50	21.69	0.148	38.45	-16.76	23.84	0.242	40.61	-16.77
825.50	3	16-QAM	1 / 0	24.78	-1.50	21.13	0.130	38.45	-17.32	23.28	0.213	40.61	-17.33
836.50	3	16-QAM	1 / 0	24.58	-1.50	20.93	0.124	38.45	-17.52	23.08	0.203	40.61	-17.53
847.50	3	16-QAM	1 / 14	24.74	-1.50	21.09	0.129	38.45	-17.36	23.24	0.211	40.61	-17.37
825.50	3	64-QAM	1 / 0	23.63	-1.50	19.98	0.100	38.45	-18.47	22.13	0.163	40.61	-18.48
836.50	3	64-QAM	1 / 14	23.53	-1.50	19.88	0.097	38.45	-18.57	22.03	0.160	40.61	-18.58
847.50	3	64-QAM	1 / 14	23.57	-1.50	19.92	0.098	38.45	-18.53	22.07	0.161	40.61	-18.54
826.50	5	QPSK	1 / 24	25.43	-1.50	21.78	0.151	38.45	-16.67	23.93	0.247	40.61	-16.68
836.50	5	QPSK	1 / 24	25.38	-1.50	21.73	0.149	38.45	-16.72	23.88	0.244	40.61	-16.73
846.50	5	QPSK	1 / 0	25.40	-1.50	21.75	0.150	38.45	-16.70	23.90	0.245	40.61	-16.71
826.50	5	16-QAM	1 / 0	24.64	-1.50	20.99	0.126	38.45	-17.46	23.14	0.206	40.61	-17.47
836.50	5	16-QAM	1 / 24	24.77	-1.50	21.12	0.129	38.45	-17.33	23.27	0.212	40.61	-17.34
846.50	5	16-QAM	1 / 24	24.86	-1.50	21.21	0.132	38.45	-17.24	23.36	0.217	40.61	-17.25
826.50	5	64-QAM	1 / 0	23.73	-1.50	20.08	0.102	38.45	-18.37	22.23	0.167	40.61	-18.38
836.50	5	64-QAM	1 / 24	23.84	-1.50	20.19	0.104	38.45	-18.26	22.34	0.171	40.61	-18.27
846.50	5	64-QAM	1 / 0	23.72	-1.50	20.07	0.102	38.45	-18.38	22.22	0.167	40.61	-18.39
829.00	10	QPSK	1 / 0	25.38	-1.50	21.73	0.149	38.45	-16.72	23.88	0.244	40.61	-16.73
836.50	10	QPSK	1 / 49	25.50	-1.50	21.85	0.153	38.45	-16.60	24.00	0.251	40.61	-16.61
844.00	10	QPSK	1 / 0	25.44	-1.50	21.79	0.151	38.45	-16.66	23.94	0.248	40.61	-16.67
829.00	10	16-QAM	1 / 0	24.78	-1.50	21.13	0.130	38.45	-17.32	23.28	0.213	40.61	-17.33
836.50	10	16-QAM	1 / 49	24.67	-1.50	21.02	0.126	38.45	-17.43	23.17	0.207	40.61	-17.44
844.00	10	16-QAM	1 / 0	24.77	-1.50	21.12	0.129	38.45	-17.33	23.27	0.212	40.61	-17.34
829.00	10	64-QAM	1 / 0	23.75	-1.50	20.10	0.102	38.45	-18.35	22.25	0.168	40.61	-18.36
836.50	10	64-QAM	1 / 49	23.67	-1.50	20.02	0.100	38.45	-18.43	22.17	0.165	40.61	-18.44
844.00	10	64-QAM	1 / 0	23.58	-1.50	19.93	0.098	38.45	-18.52	22.08	0.161	40.61	-18.53

Table 7-19. ERP Data (Band 5)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 257 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	3 / 2	25.38	-1.50	21.73	0.149	38.45	-16.72	23.88	0.244	40.61	-16.73
836.50	1.4	QPSK	1 / 0	25.33	-1.50	21.68	0.147	38.45	-16.77	23.83	0.242	40.61	-16.78
848.30	1.4	QPSK	1 / 5	25.35	-1.50	21.70	0.148	38.45	-16.75	23.85	0.243	40.61	-16.76
824.70	1.4	16-QAM	1 / 0	24.63	-1.50	20.98	0.125	38.45	-17.47	23.13	0.206	40.61	-17.48
836.50	1.4	16-QAM	1 / 0	24.55	-1.50	20.90	0.123	38.45	-17.55	23.05	0.202	40.61	-17.56
848.30	1.4	16-QAM	1 / 5	24.78	-1.50	21.13	0.130	38.45	-17.32	23.28	0.213	40.61	-17.33
824.70	1.4	64-QAM	1 / 0	23.68	-1.50	20.03	0.101	38.45	-18.42	22.18	0.165	40.61	-18.43
836.50	1.4	64-QAM	1 / 0	23.53	-1.50	19.88	0.097	38.45	-18.57	22.03	0.160	40.61	-18.58
848.30	1.4	64-QAM	1 / 0	23.63	-1.50	19.98	0.100	38.45	-18.47	22.13	0.163	40.61	-18.48
825.50	3	QPSK	1 / 0	25.38	-1.50	21.73	0.149	38.45	-16.72	23.88	0.244	40.61	-16.73
836.50	3	QPSK	1 / 0	25.32	-1.50	21.67	0.147	38.45	-16.78	23.82	0.241	40.61	-16.79
847.50	3	QPSK	1 / 0	25.30	-1.50	21.65	0.146	38.45	-16.80	23.80	0.240	40.61	-16.81
825.50	3	16-QAM	1 / 0	24.59	-1.50	20.94	0.124	38.45	-17.51	23.09	0.204	40.61	-17.52
836.50	3	16-QAM	1 / 0	24.67	-1.50	21.02	0.126	38.45	-17.43	23.17	0.207	40.61	-17.44
847.50	3	16-QAM	1 / 14	24.67	-1.50	21.02	0.126	38.45	-17.43	23.17	0.207	40.61	-17.44
825.50	3	64-QAM	1 / 0	23.55	-1.50	19.90	0.098	38.45	-18.55	22.05	0.160	40.61	-18.56
836.50	3	64-QAM	1 / 0	23.59	-1.50	19.94	0.099	38.45	-18.51	22.09	0.162	40.61	-18.52
847.50	3	64-QAM	1 / 0	23.54	-1.50	19.89	0.097	38.45	-18.56	22.04	0.160	40.61	-18.57
826.50	5	QPSK	1 / 0	25.43	-1.50	21.78	0.151	38.45	-16.67	23.93	0.247	40.61	-16.68
836.50	5	QPSK	1 / 24	25.36	-1.50	21.71	0.148	38.45	-16.74	23.86	0.243	40.61	-16.75
846.50	5	QPSK	1 / 0	25.27	-1.50	21.62	0.145	38.45	-16.83	23.77	0.238	40.61	-16.84
826.50	5	16-QAM	1 / 0	24.64	-1.50	20.99	0.126	38.45	-17.46	23.14	0.206	40.61	-17.47
836.50	5	16-QAM	1 / 24	24.63	-1.50	20.98	0.125	38.45	-17.47	23.13	0.206	40.61	-17.48
846.50	5	16-QAM	1 / 0	24.83	-1.50	21.18	0.131	38.45	-17.27	23.33	0.215	40.61	-17.28
826.50	5	64-QAM	1 / 0	23.75	-1.50	20.10	0.102	38.45	-18.35	22.25	0.168	40.61	-18.36
836.50	5	64-QAM	1 / 24	23.65	-1.50	20.00	0.100	38.45	-18.45	22.15	0.164	40.61	-18.46
846.50	5	64-QAM	1 / 0	23.69	-1.50	20.04	0.101	38.45	-18.41	22.19	0.166	40.61	-18.42
829.00	10	QPSK	1 / 0	25.35	-1.50	21.70	0.148	38.45	-16.75	23.85	0.243	40.61	-16.76
836.50	10	QPSK	1 / 49	25.49	-1.50	21.84	0.153	38.45	-16.61	23.99	0.251	40.61	-16.62
844.00	10	QPSK	1 / 0	25.34	-1.50	21.69	0.148	38.45	-16.76	23.84	0.242	40.61	-16.77
829.00	10	16-QAM	1 / 0	24.73	-1.50	21.08	0.128	38.45	-17.37	23.23	0.210	40.61	-17.38
836.50	10	16-QAM	1 / 49	24.58	-1.50	20.93	0.124	38.45	-17.52	23.08	0.203	40.61	-17.53
844.00	10	16-QAM	1 / 49	24.71	-1.50	21.06	0.128	38.45	-17.39	23.21	0.209	40.61	-17.40
829.00	10	64-QAM	1 / 0	23.62	-1.50	19.97	0.099	38.45	-18.48	22.12	0.163	40.61	-18.49
836.50	10	64-QAM	1 / 49	23.66	-1.50	20.01	0.100	38.45	-18.44	22.16	0.164	40.61	-18.45
844.00	10	64-QAM	1 / 49	23.54	-1.50	19.89	0.097	38.45	-18.56	22.04	0.160	40.61	-18.57

Table 7-20. EIRP Data (Band 26)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 258 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	3 / 2	25.31	-1.20	24.11	0.258	30.00	-5.89
1732.50	1.4	QPSK	1 / 0	25.38	-1.20	24.18	0.262	30.00	-5.82
1754.30	1.4	QPSK	3 / 2	25.44	-1.20	24.24	0.265	30.00	-5.76
1710.70	1.4	16-QAM	1 / 5	24.53	-1.20	23.33	0.215	30.00	-6.67
1732.50	1.4	16-QAM	1 / 5	24.55	-1.20	23.35	0.216	30.00	-6.65
1754.30	1.4	16-QAM	1 / 5	24.62	-1.20	23.42	0.220	30.00	-6.58
1710.70	1.4	64-QAM	3 / 2	23.67	-1.20	22.47	0.177	30.00	-7.53
1732.50	1.4	64-QAM	1 / 0	23.57	-1.20	22.37	0.173	30.00	-7.63
1754.30	1.4	64-QAM	1 / 0	23.62	-1.20	22.42	0.175	30.00	-7.58
1711.50	3	QPSK	1 / 14	25.21	-1.20	24.01	0.252	30.00	-5.99
1732.50	3	QPSK	1 / 14	25.39	-1.20	24.19	0.262	30.00	-5.81
1753.50	3	QPSK	1 / 14	25.43	-1.20	24.23	0.265	30.00	-5.77
1711.50	3	16-QAM	1 / 0	24.46	-1.20	23.26	0.212	30.00	-6.74
1732.50	3	16-QAM	1 / 14	24.73	-1.20	23.53	0.225	30.00	-6.47
1753.50	3	16-QAM	1 / 0	24.57	-1.20	23.37	0.217	30.00	-6.63
1711.50	3	64-QAM	1 / 0	23.64	-1.20	22.44	0.175	30.00	-7.56
1732.50	3	64-QAM	1 / 14	23.62	-1.20	22.42	0.175	30.00	-7.58
1753.50	3	64-QAM	1 / 0	23.61	-1.20	22.41	0.174	30.00	-7.59
1712.50	5	QPSK	1 / 24	25.29	-1.20	24.09	0.256	30.00	-5.91
1732.50	5	QPSK	1 / 0	25.37	-1.20	24.17	0.261	30.00	-5.83
1752.50	5	QPSK	1 / 24	25.47	-1.20	24.27	0.267	30.00	-5.73
1712.50	5	16-QAM	1 / 24	24.74	-1.20	23.54	0.226	30.00	-6.46
1732.50	5	16-QAM	1 / 24	24.77	-1.20	23.57	0.228	30.00	-6.43
1752.50	5	16-QAM	1 / 24	24.57	-1.20	23.37	0.217	30.00	-6.63
1712.50	5	64-QAM	1 / 24	23.65	-1.20	22.45	0.176	30.00	-7.55
1732.50	5	64-QAM	1 / 24	23.72	-1.20	22.52	0.179	30.00	-7.48
1752.50	5	64-QAM	1 / 0	23.79	-1.20	22.59	0.182	30.00	-7.41
1715.00	10	QPSK	1 / 49	25.27	-1.20	24.07	0.255	30.00	-5.93
1732.50	10	QPSK	1 / 49	25.40	-1.20	24.20	0.263	30.00	-5.80
1750.00	10	QPSK	1 / 49	25.45	-1.20	24.25	0.266	30.00	-5.75
1715.00	10	16-QAM	1 / 0	24.70	-1.20	23.50	0.224	30.00	-6.50
1732.50	10	16-QAM	1 / 49	24.62	-1.20	23.42	0.220	30.00	-6.58
1750.00	10	16-QAM	1 / 49	24.59	-1.20	23.39	0.218	30.00	-6.61
1715.00	10	64-QAM	1 / 0	23.63	-1.20	22.43	0.175	30.00	-7.57
1732.50	10	64-QAM	1 / 49	23.67	-1.20	22.47	0.177	30.00	-7.53
1750.00	10	64-QAM	1 / 49	23.57	-1.20	22.37	0.173	30.00	-7.63
1717.50	15	QPSK	1 / 74	25.34	-1.20	24.14	0.259	30.00	-5.86
1732.50	15	QPSK	1 / 0	25.24	-1.20	24.04	0.254	30.00	-5.96
1747.50	15	QPSK	1 / 74	25.42	-1.20	24.22	0.264	30.00	-5.78
1717.50	15	16-QAM	1 / 74	24.47	-1.20	23.27	0.212	30.00	-6.73
1732.50	15	16-QAM	1 / 0	24.60	-1.20	23.40	0.219	30.00	-6.60
1747.50	15	16-QAM	1 / 0	24.57	-1.20	23.37	0.217	30.00	-6.63
1717.50	15	64-QAM	1 / 74	23.68	-1.20	22.48	0.177	30.00	-7.52
1732.50	15	64-QAM	1 / 74	23.62	-1.20	22.42	0.175	30.00	-7.58
1747.50	15	64-QAM	1 / 74	23.57	-1.20	22.37	0.173	30.00	-7.63
1720.00	20	QPSK	1 / 99	25.42	-1.20	24.22	0.264	30.00	-5.78
1732.50	20	QPSK	1 / 0	25.37	-1.20	24.17	0.261	30.00	-5.83
1745.00	20	QPSK	1 / 0	25.40	-1.20	24.20	0.263	30.00	-5.80
1720.00	20	16-QAM	1 / 99	24.68	-1.20	23.48	0.223	30.00	-6.52
1732.50	20	16-QAM	1 / 0	24.82	-1.20	23.62	0.230	30.00	-6.38
1745.00	20	16-QAM	1 / 99	24.59	-1.20	23.39	0.218	30.00	-6.61
1720.00	20	64-QAM	1 / 99	23.57	-1.20	22.37	0.173	30.00	-7.63
1732.50	20	64-QAM	1 / 0	23.77	-1.20	22.57	0.181	30.00	-7.43
1745.00	20	64-QAM	1 / 99	23.57	-1.20	22.37	0.173	30.00	-7.63

Table 7-21. EIRP Data (Band 4)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 259 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 0	25.30	-1.20	24.10	0.257	30.00	-5.90
1745.00	1.4	QPSK	3 / 2	25.27	-1.20	24.07	0.255	30.00	-5.93
1779.30	1.4	QPSK	3 / 2	25.38	-1.20	24.18	0.262	30.00	-5.82
1710.70	1.4	16-QAM	1 / 0	24.48	-1.20	23.28	0.213	30.00	-6.72
1745.00	1.4	16-QAM	1 / 5	24.41	-1.20	23.21	0.209	30.00	-6.79
1779.30	1.4	16-QAM	1 / 0	24.47	-1.20	23.27	0.212	30.00	-6.73
1710.70	1.4	64-QAM	1 / 5	23.76	-1.20	22.56	0.180	30.00	-7.44
1745.00	1.4	64-QAM	1 / 0	23.63	-1.20	22.43	0.175	30.00	-7.57
1779.30	1.4	64-QAM	1 / 5	23.64	-1.20	22.44	0.175	30.00	-7.56
1711.50	3	QPSK	1 / 0	25.37	-1.20	24.17	0.261	30.00	-5.83
1745.00	3	QPSK	1 / 0	25.25	-1.20	24.05	0.254	30.00	-5.95
1778.50	3	QPSK	1 / 14	25.37	-1.20	24.17	0.261	30.00	-5.83
1711.50	3	16-QAM	1 / 0	24.50	-1.20	23.30	0.214	30.00	-6.70
1745.00	3	16-QAM	1 / 0	24.35	-1.20	23.15	0.207	30.00	-6.85
1778.50	3	16-QAM	1 / 0	24.51	-1.20	23.31	0.214	30.00	-6.69
1711.50	3	64-QAM	1 / 14	23.70	-1.20	22.50	0.178	30.00	-7.50
1745.00	3	64-QAM	1 / 0	23.61	-1.20	22.41	0.174	30.00	-7.59
1778.50	3	64-QAM	1 / 0	23.66	-1.20	22.46	0.176	30.00	-7.54
1712.50	5	QPSK	1 / 0	25.31	-1.20	24.11	0.258	30.00	-5.89
1745.00	5	QPSK	1 / 0	25.30	-1.20	24.10	0.257	30.00	-5.90
1777.50	5	QPSK	1 / 24	25.42	-1.20	24.22	0.264	30.00	-5.78
1712.50	5	16-QAM	1 / 0	24.52	-1.20	23.32	0.215	30.00	-6.68
1745.00	5	16-QAM	1 / 0	24.26	-1.20	23.06	0.202	30.00	-6.94
1777.50	5	16-QAM	1 / 24	24.56	-1.20	23.36	0.217	30.00	-6.64
1712.50	5	64-QAM	1 / 24	23.80	-1.20	22.60	0.182	30.00	-7.40
1745.00	5	64-QAM	1 / 0	23.69	-1.20	22.49	0.177	30.00	-7.51
1777.50	5	64-QAM	1 / 0	23.84	-1.20	22.64	0.184	30.00	-7.36
1715.00	10	QPSK	1 / 0	25.29	-1.20	24.09	0.256	30.00	-5.91
1745.00	10	QPSK	1 / 49	25.24	-1.20	24.04	0.254	30.00	-5.96
1775.00	10	QPSK	1 / 49	25.33	-1.20	24.13	0.259	30.00	-5.87
1715.00	10	16-QAM	1 / 0	24.40	-1.20	23.20	0.209	30.00	-6.80
1745.00	10	16-QAM	1 / 0	24.31	-1.20	23.11	0.205	30.00	-6.89
1775.00	10	16-QAM	1 / 0	24.56	-1.20	23.36	0.217	30.00	-6.64
1715.00	10	64-QAM	1 / 49	23.67	-1.20	22.47	0.177	30.00	-7.53
1745.00	10	64-QAM	1 / 0	23.58	-1.20	22.38	0.173	30.00	-7.62
1775.00	10	64-QAM	1 / 49	23.65	-1.20	22.45	0.176	30.00	-7.55
1717.50	15	QPSK	1 / 0	25.31	-1.20	24.11	0.258	30.00	-5.89
1745.00	15	QPSK	1 / 74	25.19	-1.20	23.99	0.251	30.00	-6.01
1772.50	15	QPSK	1 / 74	24.56	-1.20	23.36	0.217	30.00	-6.64
1717.50	15	16-QAM	1 / 0	24.47	-1.20	23.27	0.212	30.00	-6.73
1745.00	15	16-QAM	1 / 0	24.38	-1.20	23.18	0.208	30.00	-6.82
1772.50	15	16-QAM	1 / 74	24.41	-1.20	23.21	0.209	30.00	-6.79
1717.50	15	64-QAM	1 / 0	23.66	-1.20	22.46	0.176	30.00	-7.54
1745.00	15	64-QAM	1 / 0	23.75	-1.20	22.55	0.180	30.00	-7.45
1772.50	15	64-QAM	1 / 74	23.67	-1.20	22.47	0.177	30.00	-7.53
1720.00	20	QPSK	1 / 99	25.42	-1.20	24.22	0.264	30.00	-5.78
1745.00	20	QPSK	1 / 99	25.27	-1.20	24.07	0.255	30.00	-5.93
1770.00	20	QPSK	1 / 99	25.33	-1.20	24.13	0.259	30.00	-5.87
1720.00	20	16-QAM	1 / 99	24.38	-1.20	23.18	0.208	30.00	-6.82
1745.00	20	16-QAM	1 / 99	24.42	-1.20	23.22	0.210	30.00	-6.78
1770.00	20	16-QAM	1 / 99	24.58	-1.20	23.38	0.218	30.00	-6.62
1720.00	20	64-QAM	1 / 99	23.92	-1.20	22.72	0.187	30.00	-7.28
1745.00	20	64-QAM	1 / 99	23.53	-1.20	22.33	0.171	30.00	-7.67
1770.00	20	64-QAM	1 / 99	23.82	-1.20	22.62	0.183	30.00	-7.38

Table 7-22. EIRP Data (Band 66)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 260 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	25.47	-0.90	24.57	0.286	33.01	-8.44
1880.00	1.4	QPSK	3 / 2	25.42	-0.90	24.52	0.283	33.01	-8.49
1909.30	1.4	QPSK	1 / 0	25.44	-0.90	24.54	0.284	33.01	-8.47
1850.70	1.4	16-QAM	1 / 5	24.73	-0.90	23.83	0.242	33.01	-9.18
1880.00	1.4	16-QAM	1 / 5	24.69	-0.90	23.79	0.239	33.01	-9.22
1909.30	1.4	16-QAM	1 / 0	24.58	-0.90	23.68	0.233	33.01	-9.33
1850.70	1.4	64-QAM	3 / 2	23.71	-0.90	22.81	0.191	33.01	-10.20
1880.00	1.4	64-QAM	1 / 5	23.59	-0.90	22.69	0.186	33.01	-10.32
1909.30	1.4	64-QAM	1 / 0	23.67	-0.90	22.77	0.189	33.01	-10.24
1851.50	3	QPSK	1 / 0	25.38	-0.90	24.48	0.281	33.01	-8.53
1880.00	3	QPSK	1 / 14	25.33	-0.90	24.43	0.277	33.01	-8.58
1908.50	3	QPSK	1 / 0	25.37	-0.90	24.47	0.280	33.01	-8.54
1851.50	3	16-QAM	1 / 0	24.63	-0.90	23.73	0.236	33.01	-9.28
1880.00	3	16-QAM	1 / 14	24.57	-0.90	23.67	0.233	33.01	-9.34
1908.50	3	16-QAM	1 / 0	24.54	-0.90	23.64	0.231	33.01	-9.37
1851.50	3	64-QAM	1 / 0	23.41	-0.90	22.51	0.178	33.01	-10.50
1880.00	3	64-QAM	1 / 14	23.29	-0.90	22.39	0.173	33.01	-10.62
1908.50	3	64-QAM	1 / 14	23.33	-0.90	22.43	0.175	33.01	-10.58
1852.50	5	QPSK	1 / 0	25.46	-0.90	24.56	0.286	33.01	-8.45
1880.00	5	QPSK	1 / 24	25.46	-0.90	24.56	0.286	33.01	-8.45
1907.50	5	QPSK	1 / 24	25.50	-0.90	24.60	0.288	33.01	-8.41
1852.50	5	16-QAM	1 / 0	24.69	-0.90	23.79	0.239	33.01	-9.22
1880.00	5	16-QAM	1 / 24	24.53	-0.90	23.63	0.231	33.01	-9.38
1907.50	5	16-QAM	1 / 24	24.68	-0.90	23.78	0.239	33.01	-9.23
1852.50	5	64-QAM	1 / 0	23.57	-0.90	22.67	0.185	33.01	-10.34
1880.00	5	64-QAM	1 / 24	23.47	-0.90	22.57	0.181	33.01	-10.44
1907.50	5	64-QAM	1 / 24	23.45	-0.90	22.55	0.180	33.01	-10.46
1855.00	10	QPSK	1 / 0	25.42	-0.90	24.52	0.283	33.01	-8.49
1880.00	10	QPSK	1 / 49	25.42	-0.90	24.52	0.283	33.01	-8.49
1905.00	10	QPSK	1 / 49	25.29	-0.90	24.39	0.275	33.01	-8.62
1855.00	10	16-QAM	1 / 0	24.62	-0.90	23.72	0.236	33.01	-9.29
1880.00	10	16-QAM	1 / 49	24.54	-0.90	23.64	0.231	33.01	-9.37
1905.00	10	16-QAM	1 / 49	24.60	-0.90	23.70	0.234	33.01	-9.31
1855.00	10	64-QAM	1 / 0	23.46	-0.90	22.56	0.180	33.01	-10.45
1880.00	10	64-QAM	1 / 49	23.31	-0.90	22.41	0.174	33.01	-10.60
1905.00	10	64-QAM	1 / 0	23.27	-0.90	22.37	0.173	33.01	-10.64
1857.50	15	QPSK	1 / 0	25.45	-0.90	24.55	0.285	33.01	-8.46
1880.00	15	QPSK	1 / 74	25.37	-0.90	24.47	0.280	33.01	-8.54
1902.50	15	QPSK	1 / 74	25.42	-0.90	24.52	0.283	33.01	-8.49
1857.50	15	16-QAM	1 / 0	24.64	-0.90	23.74	0.237	33.01	-9.27
1880.00	15	16-QAM	1 / 74	24.50	-0.90	23.60	0.229	33.01	-9.41
1902.50	15	16-QAM	1 / 0	24.66	-0.90	23.76	0.238	33.01	-9.25
1857.50	15	64-QAM	1 / 0	23.42	-0.90	22.52	0.179	33.01	-10.49
1880.00	15	64-QAM	1 / 74	23.26	-0.90	22.36	0.172	33.01	-10.65
1902.50	15	64-QAM	1 / 0	23.31	-0.90	22.41	0.174	33.01	-10.60
1860.00	20	QPSK	1 / 0	25.50	-0.90	24.60	0.288	33.01	-8.41
1880.00	20	QPSK	1 / 0	25.49	-0.90	24.59	0.288	33.01	-8.42
1900.00	20	QPSK	1 / 99	25.50	-0.90	24.60	0.288	33.01	-8.41
1860.00	20	16-QAM	1 / 0	24.61	-0.90	23.71	0.235	33.01	-9.30
1880.00	20	16-QAM	1 / 99	24.62	-0.90	23.72	0.236	33.01	-9.29
1900.00	20	16-QAM	1 / 99	24.74	-0.90	23.84	0.242	33.01	-9.17
1860.00	20	64-QAM	1 / 99	23.46	-0.90	22.56	0.180	33.01	-10.45
1880.00	20	64-QAM	1 / 99	23.27	-0.90	22.37	0.173	33.01	-10.64
1900.00	20	64-QAM	1 / 99	23.57	-0.90	22.67	0.185	33.01	-10.34

Table 7-23. EIRP Data (Band 2)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 261 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 5	25.50	-0.90	24.60	0.288	33.01	-8.41
1882.50	1.4	QPSK	1 / 5	25.48	-0.90	24.58	0.287	33.01	-8.43
1914.30	1.4	QPSK	1 / 0	25.49	-0.90	24.59	0.288	33.01	-8.42
1850.70	1.4	16-QAM	1 / 0	24.51	-0.90	23.61	0.230	33.01	-9.40
1882.50	1.4	16-QAM	1 / 0	24.59	-0.90	23.69	0.234	33.01	-9.32
1914.30	1.4	16-QAM	1 / 5	24.52	-0.90	23.62	0.230	33.01	-9.39
1850.70	1.4	64-QAM	1 / 0	23.67	-0.90	22.77	0.189	33.01	-10.24
1882.50	1.4	64-QAM	1 / 0	23.60	-0.90	22.70	0.186	33.01	-10.31
1914.30	1.4	64-QAM	1 / 5	23.56	-0.90	22.66	0.185	33.01	-10.35
1851.50	3	QPSK	1 / 0	25.45	-0.90	24.55	0.285	33.01	-8.46
1882.50	3	QPSK	1 / 0	25.46	-0.90	24.56	0.286	33.01	-8.45
1913.50	3	QPSK	1 / 14	25.50	-0.90	24.60	0.288	33.01	-8.41
1851.50	3	16-QAM	1 / 0	24.54	-0.90	23.64	0.231	33.01	-9.37
1882.50	3	16-QAM	1 / 14	24.67	-0.90	23.77	0.238	33.01	-9.24
1913.50	3	16-QAM	1 / 14	24.45	-0.90	23.55	0.226	33.01	-9.46
1851.50	3	64-QAM	1 / 0	23.64	-0.90	22.74	0.188	33.01	-10.27
1882.50	3	64-QAM	1 / 14	23.50	-0.90	22.60	0.182	33.01	-10.41
1913.50	3	64-QAM	1 / 0	23.46	-0.90	22.56	0.180	33.01	-10.45
1852.50	5	QPSK	1 / 24	25.50	-0.90	24.60	0.288	33.01	-8.41
1882.50	5	QPSK	1 / 0	25.47	-0.90	24.57	0.286	33.01	-8.44
1912.50	5	QPSK	1 / 0	25.46	-0.90	24.56	0.286	33.01	-8.45
1852.50	5	16-QAM	1 / 24	24.65	-0.90	23.75	0.237	33.01	-9.26
1882.50	5	16-QAM	1 / 24	24.72	-0.90	23.82	0.241	33.01	-9.19
1912.50	5	16-QAM	1 / 24	24.56	-0.90	23.66	0.232	33.01	-9.35
1852.50	5	64-QAM	1 / 0	23.80	-0.90	22.90	0.195	33.01	-10.11
1882.50	5	64-QAM	1 / 24	23.64	-0.90	22.74	0.188	33.01	-10.27
1912.50	5	64-QAM	1 / 0	23.71	-0.90	22.81	0.191	33.01	-10.20
1855.00	10	QPSK	1 / 49	25.49	-0.90	24.59	0.288	33.01	-8.42
1882.50	10	QPSK	1 / 49	25.47	-0.90	24.57	0.286	33.01	-8.44
1910.00	10	QPSK	1 / 0	25.48	-0.90	24.58	0.287	33.01	-8.43
1855.00	10	16-QAM	1 / 0	24.51	-0.90	23.61	0.230	33.01	-9.40
1882.50	10	16-QAM	1 / 49	24.69	-0.90	23.79	0.239	33.01	-9.22
1910.00	10	16-QAM	1 / 0	24.60	-0.90	23.70	0.234	33.01	-9.31
1855.00	10	64-QAM	1 / 49	23.63	-0.90	22.73	0.187	33.01	-10.28
1882.50	10	64-QAM	1 / 49	23.44	-0.90	22.54	0.179	33.01	-10.47
1910.00	10	64-QAM	1 / 0	23.60	-0.90	22.70	0.186	33.01	-10.31
1857.50	15	QPSK	1 / 0	25.44	-0.90	24.54	0.284	33.01	-8.47
1882.50	15	QPSK	1 / 74	25.42	-0.90	24.52	0.283	33.01	-8.49
1907.50	15	QPSK	1 / 74	25.49	-0.90	24.59	0.288	33.01	-8.42
1857.50	15	16-QAM	1 / 74	24.57	-0.90	23.67	0.233	33.01	-9.34
1882.50	15	16-QAM	1 / 74	24.66	-0.90	23.76	0.238	33.01	-9.25
1907.50	15	16-QAM	1 / 74	24.47	-0.90	23.57	0.228	33.01	-9.44
1857.50	15	64-QAM	1 / 0	23.56	-0.90	22.66	0.185	33.01	-10.35
1882.50	15	64-QAM	1 / 74	23.70	-0.90	22.80	0.191	33.01	-10.21
1907.50	15	64-QAM	1 / 74	23.46	-0.90	22.56	0.180	33.01	-10.45
1860.00	20	QPSK	1 / 0	25.50	-0.90	24.60	0.288	33.01	-8.41
1882.50	20	QPSK	1 / 99	25.50	-0.90	24.60	0.288	33.01	-8.41
1905.00	20	QPSK	1 / 99	25.37	-0.90	24.47	0.280	33.01	-8.54
1860.00	20	16-QAM	1 / 0	24.43	-0.90	23.53	0.225	33.01	-9.48
1882.50	20	16-QAM	1 / 99	24.75	-0.90	23.85	0.243	33.01	-9.16
1905.00	20	16-QAM	1 / 99	24.44	-0.90	23.54	0.226	33.01	-9.47
1860.00	20	64-QAM	1 / 0	23.82	-0.90	22.92	0.196	33.01	-10.09
1882.50	20	64-QAM	1 / 99	23.60	-0.90	22.70	0.186	33.01	-10.31
1905.00	20	64-QAM	1 / 0	23.81	-0.90	22.91	0.195	33.01	-10.10

Table 7-24. EIRP Data (Band 25)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 262 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 24	22.63	0.30	22.93	0.196	23.98	-1.05
2312.50	5	QPSK	1 / 0	22.65	0.30	22.95	0.197	23.98	-1.03
2307.50	5	16-QAM	1 / 24	21.85	0.30	22.15	0.164	23.98	-1.83
2312.50	5	16-QAM	1 / 0	21.73	0.30	22.03	0.160	23.98	-1.95
2307.50	5	64-QAM	1 / 24	20.91	0.30	21.21	0.132	23.98	-2.77
2312.50	5	64-QAM	1 / 0	20.75	0.30	21.05	0.127	23.98	-2.93
2310.00	10	QPSK	1 / 49	22.61	0.30	22.91	0.195	23.98	-1.07
2310.00	10	16-QAM	1 / 49	21.81	0.30	22.11	0.163	23.98	-1.87
2310.00	10	64-QAM	1 / 49	20.86	0.30	21.16	0.131	23.98	-2.82

Table 7-25. EIRP Data (Band 30)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 263 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 24	25.21	0.60	25.81	0.381	33.01	-7.20
2535.00	5	QPSK	1 / 24	25.20	0.60	25.80	0.380	33.01	-7.21
2567.50	5	QPSK	1 / 0	25.16	0.60	25.76	0.377	33.01	-7.25
2502.50	5	16-QAM	1 / 24	24.51	0.60	25.11	0.324	33.01	-7.90
2535.00	5	16-QAM	1 / 24	24.45	0.60	25.05	0.320	33.01	-7.96
2567.50	5	16-QAM	1 / 0	24.23	0.60	24.83	0.304	33.01	-8.18
2502.50	5	64-QAM	1 / 0	23.48	0.60	24.08	0.256	33.01	-8.93
2535.00	5	64-QAM	1 / 24	23.53	0.60	24.13	0.259	33.01	-8.88
2567.50	5	64-QAM	1 / 0	23.51	0.60	24.11	0.258	33.01	-8.90
2505.00	10	QPSK	1 / 49	25.25	0.60	25.85	0.385	33.01	-7.16
2535.00	10	QPSK	1 / 49	25.22	0.60	25.82	0.382	33.01	-7.19
2565.00	10	QPSK	1 / 49	25.11	0.60	25.71	0.372	33.01	-7.30
2505.00	10	16-QAM	1 / 49	24.40	0.60	25.00	0.316	33.01	-8.01
2535.00	10	16-QAM	1 / 49	24.40	0.60	25.00	0.316	33.01	-8.01
2565.00	10	16-QAM	1 / 49	24.37	0.60	24.97	0.314	33.01	-8.04
2505.00	10	64-QAM	1 / 0	23.34	0.60	23.94	0.248	33.01	-9.07
2535.00	10	64-QAM	1 / 49	23.45	0.60	24.05	0.254	33.01	-8.96
2565.00	10	64-QAM	1 / 49	23.23	0.60	23.83	0.242	33.01	-9.18
2507.50	15	QPSK	1 / 74	25.29	0.60	25.89	0.388	33.01	-7.12
2535.00	15	QPSK	1 / 0	25.16	0.60	25.76	0.377	33.01	-7.25
2562.50	15	QPSK	1 / 74	25.11	0.60	25.71	0.372	33.01	-7.30
2507.50	15	16-QAM	1 / 74	24.39	0.60	24.99	0.316	33.01	-8.02
2535.00	15	16-QAM	1 / 0	24.32	0.60	24.92	0.310	33.01	-8.09
2562.50	15	16-QAM	1 / 0	24.32	0.60	24.92	0.310	33.01	-8.09
2507.50	15	64-QAM	1 / 74	23.44	0.60	24.04	0.254	33.01	-8.97
2535.00	15	64-QAM	1 / 74	23.51	0.60	24.11	0.258	33.01	-8.90
2562.50	15	64-QAM	1 / 74	23.25	0.60	23.85	0.243	33.01	-9.16
2510.00	20	QPSK	1 / 99	25.27	0.60	25.87	0.386	33.01	-7.14
2535.00	20	QPSK	1 / 0	25.20	0.60	25.80	0.380	33.01	-7.21
2560.00	20	QPSK	1 / 99	25.15	0.60	25.75	0.376	33.01	-7.26
2510.00	20	16-QAM	1 / 99	24.55	0.60	25.15	0.327	33.01	-7.86
2535.00	20	16-QAM	1 / 0	24.25	0.60	24.85	0.305	33.01	-8.16
2560.00	20	16-QAM	1 / 99	24.26	0.60	24.86	0.306	33.01	-8.15
2510.00	20	64-QAM	1 / 99	23.46	0.60	24.06	0.255	33.01	-8.95
2535.00	20	64-QAM	1 / 99	23.31	0.60	23.91	0.246	33.01	-9.10
2560.00	20	64-QAM	1 / 99	23.41	0.60	24.01	0.252	33.01	-9.00

Table 7-26. EIRP Data (Band 7)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 264 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 0	26.96	0.60	27.56	0.570	33.01	-5.45
2593.00	5	QPSK	1 / 0	26.97	0.60	27.57	0.571	33.01	-5.44
2687.50	5	QPSK	1 / 0	24.67	0.60	25.27	0.337	33.01	-7.74
2498.50	5	16-QAM	1 / 0	26.25	0.60	26.85	0.484	33.01	-6.16
2593.00	5	16-QAM	1 / 24	26.26	0.60	26.86	0.485	33.01	-6.15
2687.50	5	16-QAM	1 / 0	26.25	0.60	26.85	0.484	33.01	-6.16
2498.50	5	64-QAM	1 / 24	25.16	0.60	25.76	0.377	33.01	-7.25
2593.00	5	64-QAM	1 / 24	25.13	0.60	25.73	0.374	33.01	-7.28
2687.50	5	64-QAM	1 / 24	25.29	0.60	25.89	0.388	33.01	-7.12
2501.00	10	QPSK	1 / 0	27.00	0.60	27.60	0.575	33.01	-5.41
2593.00	10	QPSK	1 / 49	26.93	0.60	27.53	0.566	33.01	-5.48
2685.00	10	QPSK	1 / 0	26.78	0.60	27.38	0.547	33.01	-5.63
2501.00	10	16-QAM	1 / 0	25.96	0.60	26.56	0.453	33.01	-6.45
2593.00	10	16-QAM	1 / 0	26.22	0.60	26.82	0.481	33.01	-6.19
2685.00	10	16-QAM	1 / 0	25.74	0.60	26.34	0.431	33.01	-6.67
2501.00	10	64-QAM	1 / 0	25.05	0.60	25.65	0.367	33.01	-7.36
2593.00	10	64-QAM	1 / 49	24.99	0.60	25.59	0.362	33.01	-7.42
2685.00	10	64-QAM	1 / 0	25.28	0.60	25.88	0.387	33.01	-7.13
2503.50	15	QPSK	1 / 0	26.98	0.60	27.58	0.573	33.01	-5.43
2593.00	15	QPSK	1 / 0	26.87	0.60	27.47	0.558	33.01	-5.54
2682.50	15	QPSK	1 / 0	26.73	0.60	27.33	0.541	33.01	-5.68
2503.50	15	16-QAM	1 / 0	26.11	0.60	26.71	0.469	33.01	-6.30
2593.00	15	16-QAM	1 / 74	26.01	0.60	26.61	0.458	33.01	-6.40
2682.50	15	16-QAM	1 / 0	26.04	0.60	26.64	0.461	33.01	-6.37
2503.50	15	64-QAM	1 / 0	25.36	0.60	25.96	0.394	33.01	-7.05
2593.00	15	64-QAM	1 / 74	25.29	0.60	25.89	0.388	33.01	-7.12
2682.50	15	64-QAM	1 / 74	25.55	0.60	26.15	0.412	33.01	-6.86
2506.00	20	QPSK	1 / 0	27.00	0.60	27.60	0.575	33.01	-5.41
2593.00	20	QPSK	1 / 0	26.93	0.60	27.53	0.566	33.01	-5.48
2680.00	20	QPSK	1 / 0	26.84	0.60	27.44	0.555	33.01	-5.57
2506.00	20	16-QAM	1 / 0	26.31	0.60	26.91	0.491	33.01	-6.10
2593.00	20	16-QAM	1 / 0	26.30	0.60	26.90	0.490	33.01	-6.11
2680.00	20	16-QAM	1 / 0	25.99	0.60	26.59	0.456	33.01	-6.42
2506.00	20	64-QAM	1 / 0	25.42	0.60	26.02	0.400	33.01	-6.99
2593.00	20	64-QAM	1 / 99	25.40	0.60	26.00	0.398	33.01	-7.01
2680.00	20	64-QAM	1 / 99	25.50	0.60	26.10	0.407	33.01	-6.91

Table 7-27. EIRP Data (Band 41)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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7.8.2 Port B Radiated Power (ERP/EIRP)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
699.70	1.4	QPSK	3 / 2	24.47	-3.50	18.82	0.076	34.77	-15.95	20.97	0.125	36.99	-16.02
707.50	1.4	QPSK	1 / 0	24.38	-3.50	18.73	0.075	34.77	-16.04	20.88	0.122	36.99	-16.11
715.30	1.4	QPSK	1 / 0	24.31	-3.50	18.66	0.073	34.77	-16.11	20.81	0.121	36.99	-16.18
699.70	1.4	16-QAM	1 / 5	23.72	-3.50	18.07	0.064	34.77	-16.70	20.22	0.105	36.99	-16.77
707.50	1.4	16-QAM	1 / 5	23.52	-3.50	17.87	0.061	34.77	-16.90	20.02	0.100	36.99	-16.97
715.30	1.4	16-QAM	1 / 0	23.71	-3.50	18.06	0.064	34.77	-16.71	20.21	0.105	36.99	-16.78
699.70	1.4	64-QAM	1 / 0	22.28	-3.50	16.63	0.046	34.77	-18.14	18.78	0.076	36.99	-18.21
707.50	1.4	64-QAM	1 / 0	22.37	-3.50	16.72	0.047	34.77	-18.05	18.87	0.077	36.99	-18.12
715.30	1.4	64-QAM	1 / 5	22.48	-3.50	16.83	0.048	34.77	-17.94	18.98	0.079	36.99	-18.01
700.50	3	QPSK	1 / 0	24.50	-3.50	18.85	0.077	34.77	-15.92	21.00	0.126	36.99	-15.99
707.50	3	QPSK	1 / 0	24.41	-3.50	18.76	0.075	34.77	-16.01	20.91	0.123	36.99	-16.08
714.50	3	QPSK	1 / 0	24.43	-3.50	18.78	0.076	34.77	-15.99	20.93	0.124	36.99	-16.06
700.50	3	16-QAM	1 / 0	23.67	-3.50	18.02	0.063	34.77	-16.75	20.17	0.104	36.99	-16.82
707.50	3	16-QAM	1 / 14	23.63	-3.50	17.98	0.063	34.77	-16.79	20.13	0.103	36.99	-16.86
714.50	3	16-QAM	1 / 14	23.74	-3.50	18.09	0.064	34.77	-16.68	20.24	0.106	36.99	-16.75
700.50	3	64-QAM	1 / 14	22.24	-3.50	16.59	0.046	34.77	-18.18	18.74	0.075	36.99	-18.25
707.50	3	64-QAM	1 / 14	22.33	-3.50	16.68	0.047	34.77	-18.09	18.83	0.076	36.99	-18.16
714.50	3	64-QAM	1 / 14	22.38	-3.50	16.73	0.047	34.77	-18.04	18.88	0.077	36.99	-18.11
701.50	5	QPSK	1 / 0	24.49	-3.50	18.84	0.077	34.77	-15.93	20.99	0.126	36.99	-16.00
707.50	5	QPSK	1 / 0	24.37	-3.50	18.72	0.074	34.77	-16.05	20.87	0.122	36.99	-16.12
713.50	5	QPSK	1 / 0	24.48	-3.50	18.83	0.076	34.77	-15.94	20.98	0.125	36.99	-16.01
701.50	5	16-QAM	1 / 24	23.72	-3.50	18.07	0.064	34.77	-16.70	20.22	0.105	36.99	-16.77
707.50	5	16-QAM	1 / 0	23.51	-3.50	17.86	0.061	34.77	-16.91	20.01	0.100	36.99	-16.98
713.50	5	16-QAM	1 / 24	23.71	-3.50	18.06	0.064	34.77	-16.71	20.21	0.105	36.99	-16.78
701.50	5	64-QAM	1 / 24	22.43	-3.50	16.78	0.048	34.77	-17.99	18.93	0.078	36.99	-18.06
707.50	5	64-QAM	1 / 24	22.48	-3.50	16.83	0.048	34.77	-17.94	18.98	0.079	36.99	-18.01
713.50	5	64-QAM	1 / 0	22.53	-3.50	16.88	0.049	34.77	-17.89	19.03	0.080	36.99	-17.96
704.00	10	QPSK	1 / 49	24.50	-3.50	18.85	0.077	34.77	-15.92	21.00	0.126	36.99	-15.99
707.50	10	QPSK	1 / 49	24.37	-3.50	18.72	0.074	34.77	-16.05	20.87	0.122	36.99	-16.12
711.00	10	QPSK	1 / 0	24.36	-3.50	18.71	0.074	34.77	-16.06	20.86	0.122	36.99	-16.13
704.00	10	16-QAM	1 / 49	23.54	-3.50	17.89	0.062	34.77	-16.88	20.04	0.101	36.99	-16.95
707.50	10	16-QAM	1 / 49	23.68	-3.50	18.03	0.064	34.77	-16.74	20.18	0.104	36.99	-16.81
711.00	10	16-QAM	1 / 0	23.25	-3.50	17.60	0.058	34.77	-17.17	19.75	0.094	36.99	-17.24
704.00	10	64-QAM	1 / 49	22.41	-3.50	16.76	0.047	34.77	-18.01	18.91	0.078	36.99	-18.08
707.50	10	64-QAM	1 / 49	22.48	-3.50	16.83	0.048	34.77	-17.94	18.98	0.079	36.99	-18.01
711.00	10	64-QAM	1 / 49	22.57	-3.50	16.92	0.049	34.77	-17.85	19.07	0.081	36.99	-17.92

Table 7-28. ERP Data (Band 12)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
706.50	5	QPSK	1 / 0	24.50	-3.50	18.85	0.077	34.77	-15.92	21.00	0.126	36.99	-15.99
710.00	5	QPSK	1 / 0	24.47	-3.50	18.82	0.076	34.77	-15.95	20.97	0.125	36.99	-16.02
713.50	5	QPSK	1 / 0	24.48	-3.50	18.83	0.076	34.77	-15.94	20.98	0.125	36.99	-16.01
706.50	5	16-QAM	1 / 24	23.83	-3.50	18.18	0.066	34.77	-16.59	20.33	0.108	36.99	-16.66
710.00	5	16-QAM	1 / 24	23.87	-3.50	18.22	0.066	34.77	-16.55	20.37	0.109	36.99	-16.62
713.50	5	16-QAM	1 / 24	23.87	-3.50	18.22	0.066	34.77	-16.55	20.37	0.109	36.99	-16.62
706.50	5	64-QAM	1 / 0	22.85	-3.50	17.20	0.052	34.77	-17.57	19.35	0.086	36.99	-17.64
710.00	5	64-QAM	1 / 24	22.79	-3.50	17.14	0.052	34.77	-17.63	19.29	0.085	36.99	-17.70
713.50	5	64-QAM	1 / 0	22.88	-3.50	17.23	0.053	34.77	-17.54	19.38	0.087	36.99	-17.61
709.00	10	QPSK	1 / 49	24.48	-3.50	18.83	0.076	34.77	-15.94	20.98	0.125	36.99	-16.01
710.00	10	QPSK	1 / 0	24.50	-3.50	18.85	0.077	34.77	-15.92	21.00	0.126	36.99	-15.99
711.00	10	QPSK	1 / 0	24.49	-3.50	18.84	0.077	34.77	-15.93	20.99	0.126	36.99	-16.00
709.00	10	16-QAM	1 / 49	23.86	-3.50	18.21	0.066	34.77	-16.56	20.36	0.109	36.99	-16.63
710.00	10	16-QAM	1 / 49	23.87	-3.50	18.22	0.066	34.77	-16.55	20.37	0.109	36.99	-16.62
711.00	10	16-QAM	1 / 49	23.85	-3.50	18.20	0.066	34.77	-16.57	20.35	0.108	36.99	-16.64
709.00	10	64-QAM	1 / 49	22.71	-3.50	17.06	0.051	34.77	-17.71	19.21	0.083	36.99	-17.78
710.00	10	64-QAM	1 / 49	22.63	-3.50	16.98	0.050	34.77	-17.79	19.13	0.082	36.99	-17.86
711.00	10	64-QAM	1 / 49	22.77	-3.50	17.12	0.052	34.77	-17.65	19.27	0.085	36.99	-17.72

Table 7-29. ERP Data (Band 17)

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
779.50	5	QPSK	1 / 0	24.50	-3.50	18.85	0.077	34.77	-15.92	21.00	0.126	36.99	-15.99
782.00	5	QPSK	1 / 0	24.47	-3.50	18.82	0.076	34.77	-15.95	20.97	0.125	36.99	-16.02
784.50	5	QPSK	1 / 0	24.35	-3.50	18.70	0.074	34.77	-16.07	20.85	0.122	36.99	-16.14
779.50	5	16-QAM	1 / 0	23.92	-3.50	18.27	0.067	34.77	-16.50	20.42	0.110	36.99	-16.57
782.00	5	16-QAM	1 / 0	23.66	-3.50	18.01	0.063	34.77	-16.76	20.16	0.104	36.99	-16.83
784.50	5	16-QAM	1 / 0	23.47	-3.50	17.82	0.061	34.77	-16.95	19.97	0.099	36.99	-17.02
779.50	5	64-QAM	1 / 0	22.86	-3.50	17.21	0.053	34.77	-17.56	19.36	0.086	36.99	-17.63
782.00	5	64-QAM	1 / 24	22.50	-3.50	16.85	0.048	34.77	-17.92	19.00	0.079	36.99	-17.99
784.50	5	64-QAM	1 / 24	22.56	-3.50	16.91	0.049	34.77	-17.86	19.06	0.081	36.99	-17.93
782.00	10	QPSK	1 / 0	24.50	-3.50	18.85	0.077	34.77	-15.92	21.00	0.126	36.99	-15.99
782.00	10	16-QAM	1 / 0	24.00	-3.50	18.35	0.068	34.77	-16.42	20.50	0.112	36.99	-16.49
782.00	10	64-QAM	1 / 0	22.70	-3.50	17.05	0.051	34.77	-17.72	19.20	0.083	36.99	-17.79

Table 7-30. ERP Data (Band 13)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	3 / 2	24.25	-2.60	19.50	0.089	38.45	-18.95	21.65	0.146	40.61	-18.96
836.50	1.4	QPSK	3 / 2	24.40	-2.60	19.65	0.092	38.45	-18.80	21.80	0.151	40.61	-18.81
848.30	1.4	QPSK	1 / 5	24.38	-2.60	19.63	0.092	38.45	-18.82	21.78	0.151	40.61	-18.83
824.70	1.4	16-QAM	1 / 5	23.52	-2.60	18.77	0.075	38.45	-19.68	20.92	0.124	40.61	-19.69
836.50	1.4	16-QAM	1 / 0	23.58	-2.60	18.83	0.076	38.45	-19.62	20.98	0.125	40.61	-19.63
848.30	1.4	16-QAM	1 / 5	23.62	-2.60	18.87	0.077	38.45	-19.58	21.02	0.126	40.61	-19.59
824.70	1.4	64-QAM	1 / 0	22.85	-2.60	18.10	0.065	38.45	-20.35	20.25	0.106	40.61	-20.36
836.50	1.4	64-QAM	1 / 0	22.72	-2.60	17.97	0.063	38.45	-20.48	20.12	0.103	40.61	-20.49
848.30	1.4	64-QAM	1 / 0	22.77	-2.60	18.02	0.063	38.45	-20.43	20.17	0.104	40.61	-20.44
825.50	3	QPSK	1 / 0	23.75	-2.60	19.00	0.079	38.45	-19.45	21.15	0.130	40.61	-19.46
836.50	3	QPSK	1 / 0	24.40	-2.60	19.65	0.092	38.45	-18.80	21.80	0.151	40.61	-18.81
847.50	3	QPSK	1 / 0	23.93	-2.60	19.18	0.083	38.45	-19.27	21.33	0.136	40.61	-19.28
825.50	3	16-QAM	1 / 0	22.97	-2.60	18.22	0.066	38.45	-20.23	20.37	0.109	40.61	-20.24
836.50	3	16-QAM	1 / 14	23.57	-2.60	18.82	0.076	38.45	-19.63	20.97	0.125	40.61	-19.64
847.50	3	16-QAM	1 / 0	23.18	-2.60	18.43	0.070	38.45	-20.02	20.58	0.114	40.61	-20.03
825.50	3	64-QAM	1 / 0	22.82	-2.60	18.07	0.064	38.45	-20.38	20.22	0.105	40.61	-20.39
836.50	3	64-QAM	1 / 14	22.77	-2.60	18.02	0.063	38.45	-20.43	20.17	0.104	40.61	-20.44
847.50	3	64-QAM	1 / 0	22.77	-2.60	18.02	0.063	38.45	-20.43	20.17	0.104	40.61	-20.44
826.50	5	QPSK	1 / 24	24.48	-2.60	19.73	0.094	38.45	-18.72	21.88	0.154	40.61	-18.73
836.50	5	QPSK	1 / 0	24.50	-2.60	19.75	0.094	38.45	-18.70	21.90	0.155	40.61	-18.71
846.50	5	QPSK	1 / 0	24.50	-2.60	19.75	0.094	38.45	-18.70	21.90	0.155	40.61	-18.71
826.50	5	16-QAM	1 / 24	23.65	-2.60	18.90	0.078	38.45	-19.55	21.05	0.127	40.61	-19.56
836.50	5	16-QAM	1 / 0	23.60	-2.60	18.85	0.077	38.45	-19.60	21.00	0.126	40.61	-19.61
846.50	5	16-QAM	1 / 0	23.85	-2.60	19.10	0.081	38.45	-19.35	21.25	0.133	40.61	-19.36
826.50	5	64-QAM	1 / 0	22.96	-2.60	18.21	0.066	38.45	-20.24	20.36	0.109	40.61	-20.25
836.50	5	64-QAM	1 / 24	22.82	-2.60	18.07	0.064	38.45	-20.38	20.22	0.105	40.61	-20.39
846.50	5	64-QAM	1 / 0	22.90	-2.60	18.15	0.065	38.45	-20.30	20.30	0.107	40.61	-20.31
829.00	10	QPSK	1 / 49	24.36	-2.60	19.61	0.091	38.45	-18.84	21.76	0.150	40.61	-18.85
836.50	10	QPSK	1 / 49	24.43	-2.60	19.68	0.093	38.45	-18.77	21.83	0.152	40.61	-18.78
844.00	10	QPSK	1 / 49	24.50	-2.60	19.75	0.094	38.45	-18.70	21.90	0.155	40.61	-18.71
829.00	10	16-QAM	1 / 49	23.65	-2.60	18.90	0.078	38.45	-19.55	21.05	0.127	40.61	-19.56
836.50	10	16-QAM	1 / 49	23.70	-2.60	18.95	0.079	38.45	-19.50	21.10	0.129	40.61	-19.51
844.00	10	16-QAM	1 / 49	23.65	-2.60	18.90	0.078	38.45	-19.55	21.05	0.127	40.61	-19.56
829.00	10	64-QAM	1 / 0	22.81	-2.60	18.06	0.064	38.45	-20.39	20.21	0.105	40.61	-20.40
836.50	10	64-QAM	1 / 49	22.83	-2.60	18.08	0.064	38.45	-20.37	20.23	0.105	40.61	-20.38
844.00	10	64-QAM	1 / 49	22.70	-2.60	17.95	0.062	38.45	-20.50	20.10	0.102	40.61	-20.51

Table 7-31. ERP Data (Band 5)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 268 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	ERP [dBm]	ERP [Watts]	ERP Limit [dBm]	Margin [dB]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
824.70	1.4	QPSK	3 / 2	24.38	-2.60	19.63	0.092	38.45	-18.82	21.78	0.151	40.61	-18.83
836.50	1.4	QPSK	1 / 0	24.36	-2.60	19.61	0.091	38.45	-18.84	21.76	0.150	40.61	-18.85
848.30	1.4	QPSK	3 / 2	24.31	-2.60	19.56	0.090	38.45	-18.89	21.71	0.148	40.61	-18.90
824.70	1.4	16-QAM	1 / 5	23.62	-2.60	18.87	0.077	38.45	-19.58	21.02	0.126	40.61	-19.59
836.50	1.4	16-QAM	1 / 5	23.45	-2.60	18.70	0.074	38.45	-19.75	20.85	0.122	40.61	-19.76
848.30	1.4	16-QAM	1 / 0	23.63	-2.60	18.88	0.077	38.45	-19.57	21.03	0.127	40.61	-19.58
824.70	1.4	64-QAM	1 / 0	22.50	-2.60	17.75	0.060	38.45	-20.70	19.90	0.098	40.61	-20.71
836.50	1.4	64-QAM	1 / 5	22.33	-2.60	17.58	0.057	38.45	-20.87	19.73	0.094	40.61	-20.88
848.30	1.4	64-QAM	1 / 0	22.43	-2.60	17.68	0.059	38.45	-20.77	19.83	0.096	40.61	-20.78
825.50	3	QPSK	1 / 14	24.27	-2.60	19.52	0.090	38.45	-18.93	21.67	0.147	40.61	-18.94
836.50	3	QPSK	1 / 14	24.23	-2.60	19.48	0.089	38.45	-18.97	21.63	0.146	40.61	-18.98
847.50	3	QPSK	1 / 14	24.18	-2.60	19.43	0.088	38.45	-19.02	21.58	0.144	40.61	-19.03
825.50	3	16-QAM	1 / 0	23.57	-2.60	18.82	0.076	38.45	-19.63	20.97	0.125	40.61	-19.64
836.50	3	16-QAM	1 / 14	23.60	-2.60	18.85	0.077	38.45	-19.60	21.00	0.126	40.61	-19.61
847.50	3	16-QAM	1 / 0	23.58	-2.60	18.83	0.076	38.45	-19.62	20.98	0.125	40.61	-19.63
825.50	3	64-QAM	1 / 0	22.38	-2.60	17.63	0.058	38.45	-20.82	19.78	0.095	40.61	-20.83
836.50	3	64-QAM	1 / 14	22.40	-2.60	17.65	0.058	38.45	-20.80	19.80	0.095	40.61	-20.81
847.50	3	64-QAM	1 / 0	22.38	-2.60	17.63	0.058	38.45	-20.82	19.78	0.095	40.61	-20.83
826.50	5	QPSK	1 / 0	24.32	-2.60	19.57	0.091	38.45	-18.88	21.72	0.149	40.61	-18.89
836.50	5	QPSK	1 / 24	24.26	-2.60	19.51	0.089	38.45	-18.94	21.66	0.147	40.61	-18.95
846.50	5	QPSK	1 / 0	24.48	-2.60	19.73	0.094	38.45	-18.72	21.88	0.154	40.61	-18.73
826.50	5	16-QAM	1 / 0	23.63	-2.60	18.88	0.077	38.45	-19.57	21.03	0.127	40.61	-19.58
836.50	5	16-QAM	1 / 24	23.56	-2.60	18.81	0.076	38.45	-19.64	20.96	0.125	40.61	-19.65
846.50	5	16-QAM	1 / 0	23.72	-2.60	18.97	0.079	38.45	-19.48	21.12	0.129	40.61	-19.49
826.50	5	64-QAM	1 / 0	22.55	-2.60	17.80	0.060	38.45	-20.65	19.95	0.099	40.61	-20.66
836.50	5	64-QAM	1 / 24	22.38	-2.60	17.63	0.058	38.45	-20.82	19.78	0.095	40.61	-20.83
846.50	5	64-QAM	1 / 0	22.56	-2.60	17.81	0.060	38.45	-20.64	19.96	0.099	40.61	-20.65
829.00	10	QPSK	1 / 0	24.31	-2.60	19.56	0.090	38.45	-18.89	21.71	0.148	40.61	-18.90
836.50	10	QPSK	1 / 49	24.38	-2.60	19.63	0.092	38.45	-18.82	21.78	0.151	40.61	-18.83
844.00	10	QPSK	1 / 49	24.24	-2.60	19.49	0.089	38.45	-18.96	21.64	0.146	40.61	-18.97
829.00	10	16-QAM	1 / 0	23.60	-2.60	18.85	0.077	38.45	-19.60	21.00	0.126	40.61	-19.61
836.50	10	16-QAM	1 / 49	23.73	-2.60	18.98	0.079	38.45	-19.47	21.13	0.130	40.61	-19.48
844.00	10	16-QAM	1 / 0	23.63	-2.60	18.88	0.077	38.45	-19.57	21.03	0.127	40.61	-19.58
829.00	10	64-QAM	1 / 0	22.40	-2.60	17.65	0.058	38.45	-20.80	19.80	0.095	40.61	-20.81
836.50	10	64-QAM	1 / 49	22.41	-2.60	17.66	0.058	38.45	-20.79	19.81	0.096	40.61	-20.80
844.00	10	64-QAM	1 / 49	22.40	-2.60	17.65	0.058	38.45	-20.80	19.80	0.095	40.61	-20.81
831.50	15	QPSK	1 / 0	24.42	-2.60	19.67	0.093	38.45	-18.78	21.82	0.152	40.61	-18.79
836.50	15	QPSK	1 / 74	24.28	-2.60	19.53	0.090	38.45	-18.92	21.68	0.147	40.61	-18.93
841.50	15	QPSK	1 / 0	24.11	-2.60	19.36	0.086	38.45	-19.09	21.51	0.142	40.61	-19.10
831.50	15	16-QAM	1 / 0	23.67	-2.60	18.92	0.078	38.45	-19.53	21.07	0.128	40.61	-19.54
836.50	15	16-QAM	1 / 74	23.68	-2.60	18.93	0.078	38.45	-19.52	21.08	0.128	40.61	-19.53
841.50	15	16-QAM	1 / 74	23.52	-2.60	18.77	0.075	38.45	-19.68	20.92	0.124	40.61	-19.69
831.50	15	64-QAM	1 / 0	22.43	-2.60	17.68	0.059	38.45	-20.77	19.83	0.096	40.61	-20.78
836.50	15	64-QAM	1 / 74	22.49	-2.60	17.74	0.059	38.45	-20.71	19.89	0.097	40.61	-20.72
841.50	15	64-QAM	1 / 0	22.19	-2.60	17.44	0.055	38.45	-21.01	19.59	0.091	40.61	-21.02

Table 7-32. ERP Data (Band 26)

FCC ID: BCGA2124		MEASUREMENT REPORT (CERTIFICATION)	Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 269 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	3 / 2	23.20	-0.80	22.40	0.174	30.00	-7.60
1732.50	1.4	QPSK	1 / 5	23.40	-0.80	22.60	0.182	30.00	-7.40
1754.30	1.4	QPSK	3 / 2	23.22	-0.80	22.42	0.175	30.00	-7.58
1710.70	1.4	16-QAM	1 / 5	22.39	-0.80	21.59	0.144	30.00	-8.41
1732.50	1.4	16-QAM	1 / 0	22.50	-0.80	21.70	0.148	30.00	-8.30
1754.30	1.4	16-QAM	1 / 0	22.37	-0.80	21.57	0.144	30.00	-8.43
1710.70	1.4	64-QAM	3 / 2	21.41	-0.80	20.61	0.115	30.00	-9.39
1732.50	1.4	64-QAM	1 / 5	21.62	-0.80	20.82	0.121	30.00	-9.18
1754.30	1.4	64-QAM	3 / 2	21.58	-0.80	20.78	0.120	30.00	-9.22
1711.50	3	QPSK	1 / 0	23.08	-0.80	22.28	0.169	30.00	-7.72
1732.50	3	QPSK	1 / 0	23.14	-0.80	22.34	0.171	30.00	-7.66
1753.50	3	QPSK	1 / 14	23.19	-0.80	22.39	0.173	30.00	-7.61
1711.50	3	16-QAM	1 / 0	22.38	-0.80	21.58	0.144	30.00	-8.42
1732.50	3	16-QAM	1 / 0	22.43	-0.80	21.63	0.146	30.00	-8.37
1753.50	3	16-QAM	1 / 0	22.43	-0.80	21.63	0.146	30.00	-8.37
1711.50	3	64-QAM	1 / 0	21.52	-0.80	20.72	0.118	30.00	-9.28
1732.50	3	64-QAM	1 / 0	21.50	-0.80	20.70	0.117	30.00	-9.30
1753.50	3	64-QAM	1 / 14	21.53	-0.80	20.73	0.118	30.00	-9.27
1712.50	5	QPSK	1 / 24	23.21	-0.80	22.41	0.174	30.00	-7.59
1732.50	5	QPSK	1 / 0	23.32	-0.80	22.52	0.179	30.00	-7.48
1752.50	5	QPSK	1 / 24	23.24	-0.80	22.44	0.175	30.00	-7.56
1712.50	5	16-QAM	1 / 0	22.42	-0.80	21.62	0.145	30.00	-8.38
1732.50	5	16-QAM	1 / 24	22.32	-0.80	21.52	0.142	30.00	-8.48
1752.50	5	16-QAM	1 / 24	22.42	-0.80	21.62	0.145	30.00	-8.38
1712.50	5	64-QAM	1 / 24	21.43	-0.80	20.63	0.116	30.00	-9.37
1732.50	5	64-QAM	1 / 24	21.65	-0.80	20.85	0.122	30.00	-9.15
1752.50	5	64-QAM	1 / 24	21.69	-0.80	20.89	0.123	30.00	-9.11
1715.00	10	QPSK	1 / 0	23.20	-0.80	22.40	0.174	30.00	-7.60
1732.50	10	QPSK	1 / 0	23.26	-0.80	22.46	0.176	30.00	-7.54
1750.00	10	QPSK	1 / 0	23.21	-0.80	22.41	0.174	30.00	-7.59
1715.00	10	16-QAM	1 / 0	22.36	-0.80	21.56	0.143	30.00	-8.44
1732.50	10	16-QAM	1 / 0	22.51	-0.80	21.71	0.148	30.00	-8.29
1750.00	10	16-QAM	1 / 49	22.38	-0.80	21.58	0.144	30.00	-8.42
1715.00	10	64-QAM	1 / 49	21.51	-0.80	20.71	0.118	30.00	-9.29
1732.50	10	64-QAM	1 / 0	21.65	-0.80	20.85	0.122	30.00	-9.15
1750.00	10	64-QAM	1 / 49	21.44	-0.80	20.64	0.116	30.00	-9.36
1717.50	15	QPSK	1 / 0	23.17	-0.80	22.37	0.173	30.00	-7.63
1732.50	15	QPSK	1 / 0	23.19	-0.80	22.39	0.173	30.00	-7.61
1747.50	15	QPSK	1 / 0	23.15	-0.80	22.35	0.172	30.00	-7.65
1717.50	15	16-QAM	1 / 0	22.31	-0.80	21.51	0.142	30.00	-8.49
1732.50	15	16-QAM	1 / 0	22.34	-0.80	21.54	0.143	30.00	-8.46
1747.50	15	16-QAM	1 / 0	22.35	-0.80	21.55	0.143	30.00	-8.45
1717.50	15	64-QAM	1 / 74	21.55	-0.80	20.75	0.119	30.00	-9.25
1732.50	15	64-QAM	1 / 0	21.42	-0.80	20.62	0.115	30.00	-9.38
1747.50	15	64-QAM	1 / 74	21.42	-0.80	20.62	0.115	30.00	-9.38
1720.00	20	QPSK	1 / 99	23.22	-0.80	22.42	0.175	30.00	-7.58
1732.50	20	QPSK	1 / 99	23.19	-0.80	22.39	0.173	30.00	-7.61
1745.00	20	QPSK	1 / 0	23.19	-0.80	22.39	0.173	30.00	-7.61
1720.00	20	16-QAM	1 / 99	22.25	-0.80	21.45	0.140	30.00	-8.55
1732.50	20	16-QAM	1 / 0	22.35	-0.80	21.55	0.143	30.00	-8.45
1745.00	20	16-QAM	1 / 99	22.41	-0.80	21.61	0.145	30.00	-8.39
1720.00	20	64-QAM	1 / 99	21.62	-0.80	20.82	0.121	30.00	-9.18
1732.50	20	64-QAM	1 / 0	21.42	-0.80	20.62	0.115	30.00	-9.38
1745.00	20	64-QAM	1 / 0	21.44	-0.80	20.64	0.116	30.00	-9.36

Table 7-33. EIRP Data (Band 4)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 270 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1710.70	1.4	QPSK	1 / 0	23.27	-0.80	22.47	0.177	30.00	-7.53
1745.00	1.4	QPSK	1 / 0	23.30	-0.80	22.50	0.178	30.00	-7.50
1779.30	1.4	QPSK	3 / 2	23.32	-0.80	22.52	0.179	30.00	-7.48
1710.70	1.4	16-QAM	1 / 5	22.43	-0.80	21.63	0.146	30.00	-8.37
1745.00	1.4	16-QAM	3 / 2	22.52	-0.80	21.72	0.149	30.00	-8.28
1779.30	1.4	16-QAM	1 / 5	22.48	-0.80	21.68	0.147	30.00	-8.32
1710.70	1.4	64-QAM	1 / 0	21.77	-0.80	20.97	0.125	30.00	-9.03
1745.00	1.4	64-QAM	1 / 0	21.65	-0.80	20.85	0.122	30.00	-9.15
1779.30	1.4	64-QAM	1 / 5	21.64	-0.80	20.84	0.121	30.00	-9.16
1711.50	3	QPSK	1 / 14	23.35	-0.80	22.55	0.180	30.00	-7.45
1745.00	3	QPSK	1 / 14	23.27	-0.80	22.47	0.177	30.00	-7.53
1778.50	3	QPSK	1 / 0	23.27	-0.80	22.47	0.177	30.00	-7.53
1711.50	3	16-QAM	1 / 0	22.43	-0.80	21.63	0.146	30.00	-8.37
1745.00	3	16-QAM	1 / 14	22.52	-0.80	21.72	0.149	30.00	-8.28
1778.50	3	16-QAM	1 / 14	22.52	-0.80	21.72	0.149	30.00	-8.28
1711.50	3	64-QAM	1 / 14	21.60	-0.80	20.80	0.120	30.00	-9.20
1745.00	3	64-QAM	1 / 14	21.57	-0.80	20.77	0.119	30.00	-9.23
1778.50	3	64-QAM	1 / 14	21.66	-0.80	20.86	0.122	30.00	-9.14
1712.50	5	QPSK	1 / 0	23.30	-0.80	22.50	0.178	30.00	-7.50
1745.00	5	QPSK	1 / 0	23.30	-0.80	22.50	0.178	30.00	-7.50
1777.50	5	QPSK	1 / 24	23.29	-0.80	22.49	0.177	30.00	-7.51
1712.50	5	16-QAM	1 / 0	22.48	-0.80	21.68	0.147	30.00	-8.32
1745.00	5	16-QAM	1 / 0	22.44	-0.80	21.64	0.146	30.00	-8.36
1777.50	5	16-QAM	1 / 24	22.51	-0.80	21.71	0.148	30.00	-8.29
1712.50	5	64-QAM	1 / 24	21.82	-0.80	21.02	0.126	30.00	-8.98
1745.00	5	64-QAM	1 / 24	21.68	-0.80	20.88	0.122	30.00	-9.12
1777.50	5	64-QAM	1 / 24	21.79	-0.80	20.99	0.126	30.00	-9.01
1715.00	10	QPSK	1 / 49	23.34	-0.80	22.54	0.179	30.00	-7.46
1745.00	10	QPSK	1 / 0	23.29	-0.80	22.49	0.177	30.00	-7.51
1775.00	10	QPSK	1 / 0	23.28	-0.80	22.48	0.177	30.00	-7.52
1715.00	10	16-QAM	1 / 49	22.49	-0.80	21.69	0.148	30.00	-8.31
1745.00	10	16-QAM	1 / 49	22.43	-0.80	21.63	0.146	30.00	-8.37
1775.00	10	16-QAM	1 / 49	22.47	-0.80	21.67	0.147	30.00	-8.33
1715.00	10	64-QAM	1 / 49	21.75	-0.80	20.95	0.124	30.00	-9.05
1745.00	10	64-QAM	1 / 49	21.61	-0.80	20.81	0.121	30.00	-9.19
1775.00	10	64-QAM	1 / 49	21.62	-0.80	20.82	0.121	30.00	-9.18
1717.50	15	QPSK	1 / 0	23.23	-0.80	22.43	0.175	30.00	-7.57
1745.00	15	QPSK	1 / 0	23.29	-0.80	22.49	0.177	30.00	-7.51
1772.50	15	QPSK	1 / 0	23.30	-0.80	22.50	0.178	30.00	-7.50
1717.50	15	16-QAM	1 / 0	22.43	-0.80	21.63	0.146	30.00	-8.37
1745.00	15	16-QAM	1 / 0	22.39	-0.80	21.59	0.144	30.00	-8.41
1772.50	15	16-QAM	1 / 0	22.51	-0.80	21.71	0.148	30.00	-8.29
1717.50	15	64-QAM	1 / 74	21.58	-0.80	20.78	0.120	30.00	-9.22
1745.00	15	64-QAM	1 / 0	21.70	-0.80	20.90	0.123	30.00	-9.10
1772.50	15	64-QAM	1 / 74	21.55	-0.80	20.75	0.119	30.00	-9.25
1720.00	20	QPSK	1 / 99	23.35	-0.80	22.55	0.180	30.00	-7.45
1745.00	20	QPSK	1 / 0	23.31	-0.80	22.51	0.178	30.00	-7.49
1770.00	20	QPSK	1 / 0	23.33	-0.80	22.53	0.179	30.00	-7.47
1720.00	20	16-QAM	1 / 99	22.41	-0.80	21.61	0.145	30.00	-8.39
1745.00	20	16-QAM	1 / 0	22.40	-0.80	21.60	0.145	30.00	-8.40
1770.00	20	16-QAM	1 / 0	22.45	-0.80	21.65	0.146	30.00	-8.35
1720.00	20	64-QAM	1 / 99	21.82	-0.80	21.02	0.126	30.00	-8.98
1745.00	20	64-QAM	1 / 0	21.51	-0.80	20.71	0.118	30.00	-9.29
1770.00	20	64-QAM	1 / 0	21.85	-0.80	21.05	0.127	30.00	-8.95

Table 7-34. EIRP Data (Band 66)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 271 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	3 / 2	23.22	0.00	23.22	0.210	33.01	-9.79
1880.00	1.4	QPSK	3 / 2	23.08	0.00	23.08	0.203	33.01	-9.93
1909.30	1.4	QPSK	1 / 0	23.32	0.00	23.32	0.215	33.01	-9.69
1850.70	1.4	16-QAM	1 / 0	22.43	0.00	22.43	0.175	33.01	-10.58
1880.00	1.4	16-QAM	1 / 5	22.34	0.00	22.34	0.171	33.01	-10.67
1909.30	1.4	16-QAM	1 / 0	22.44	0.00	22.44	0.175	33.01	-10.57
1850.70	1.4	64-QAM	3 / 2	21.44	0.00	21.44	0.139	33.01	-11.57
1880.00	1.4	64-QAM	3 / 2	21.41	0.00	21.41	0.138	33.01	-11.60
1909.30	1.4	64-QAM	3 / 2	21.61	0.00	21.61	0.145	33.01	-11.40
1851.50	3	QPSK	1 / 0	23.24	0.00	23.24	0.211	33.01	-9.77
1880.00	3	QPSK	1 / 14	23.13	0.00	23.13	0.206	33.01	-9.88
1908.50	3	QPSK	1 / 14	23.23	0.00	23.23	0.210	33.01	-9.78
1851.50	3	16-QAM	1 / 0	22.40	0.00	22.40	0.174	33.01	-10.61
1880.00	3	16-QAM	1 / 14	22.31	0.00	22.31	0.170	33.01	-10.70
1908.50	3	16-QAM	1 / 14	22.49	0.00	22.49	0.177	33.01	-10.52
1851.50	3	64-QAM	1 / 0	21.54	0.00	21.54	0.143	33.01	-11.47
1880.00	3	64-QAM	1 / 14	21.42	0.00	21.42	0.139	33.01	-11.59
1908.50	3	64-QAM	1 / 0	21.50	0.00	21.50	0.141	33.01	-11.51
1852.50	5	QPSK	1 / 0	23.26	0.00	23.26	0.212	33.01	-9.75
1880.00	5	QPSK	1 / 24	23.15	0.00	23.15	0.207	33.01	-9.86
1907.50	5	QPSK	1 / 24	23.29	0.00	23.29	0.213	33.01	-9.72
1852.50	5	16-QAM	1 / 0	22.45	0.00	22.45	0.176	33.01	-10.56
1880.00	5	16-QAM	1 / 24	22.27	0.00	22.27	0.169	33.01	-10.74
1907.50	5	16-QAM	1 / 24	22.56	0.00	22.56	0.180	33.01	-10.45
1852.50	5	64-QAM	1 / 0	21.42	0.00	21.42	0.139	33.01	-11.59
1880.00	5	64-QAM	1 / 24	21.53	0.00	21.53	0.142	33.01	-11.48
1907.50	5	64-QAM	1 / 0	21.70	0.00	21.70	0.148	33.01	-11.31
1855.00	10	QPSK	1 / 0	23.30	0.00	23.30	0.214	33.01	-9.71
1880.00	10	QPSK	1 / 49	23.20	0.00	23.20	0.209	33.01	-9.81
1905.00	10	QPSK	1 / 49	23.20	0.00	23.20	0.209	33.01	-9.81
1855.00	10	16-QAM	1 / 0	22.46	0.00	22.46	0.176	33.01	-10.55
1880.00	10	16-QAM	1 / 49	22.34	0.00	22.34	0.171	33.01	-10.67
1905.00	10	16-QAM	1 / 49	22.52	0.00	22.52	0.179	33.01	-10.49
1855.00	10	64-QAM	1 / 0	21.42	0.00	21.42	0.139	33.01	-11.59
1880.00	10	64-QAM	1 / 49	21.47	0.00	21.47	0.140	33.01	-11.54
1905.00	10	64-QAM	1 / 49	21.62	0.00	21.62	0.145	33.01	-11.39
1857.50	15	QPSK	1 / 0	23.18	0.00	23.18	0.208	33.01	-9.83
1880.00	15	QPSK	1 / 74	23.15	0.00	23.15	0.207	33.01	-9.86
1902.50	15	QPSK	1 / 74	23.26	0.00	23.26	0.212	33.01	-9.75
1857.50	15	16-QAM	1 / 0	22.41	0.00	22.41	0.174	33.01	-10.60
1880.00	15	16-QAM	1 / 74	22.33	0.00	22.33	0.171	33.01	-10.68
1902.50	15	16-QAM	1 / 74	22.43	0.00	22.43	0.175	33.01	-10.58
1857.50	15	64-QAM	1 / 0	21.57	0.00	21.57	0.144	33.01	-11.44
1880.00	15	64-QAM	1 / 74	21.57	0.00	21.57	0.144	33.01	-11.44
1902.50	15	64-QAM	1 / 74	21.58	0.00	21.58	0.144	33.01	-11.43
1860.00	20	QPSK	1 / 0	23.23	0.00	23.23	0.210	33.01	-9.78
1880.00	20	QPSK	1 / 99	23.25	0.00	23.25	0.211	33.01	-9.76
1900.00	20	QPSK	1 / 99	23.31	0.00	23.31	0.214	33.01	-9.70
1860.00	20	16-QAM	1 / 0	22.35	0.00	22.35	0.172	33.01	-10.66
1880.00	20	16-QAM	1 / 99	22.38	0.00	22.38	0.173	33.01	-10.63
1900.00	20	16-QAM	1 / 99	22.59	0.00	22.59	0.182	33.01	-10.42
1860.00	20	64-QAM	1 / 0	21.40	0.00	21.40	0.138	33.01	-11.61
1880.00	20	64-QAM	1 / 99	21.50	0.00	21.50	0.141	33.01	-11.51
1900.00	20	64-QAM	1 / 99	21.53	0.00	21.53	0.142	33.01	-11.48

Table 7-35. EIRP Data (Band 2)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 272 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
1850.70	1.4	QPSK	1 / 0	23.36	0.00	23.36	0.217	33.01	-9.65
1882.50	1.4	QPSK	1 / 0	23.30	0.00	23.30	0.214	33.01	-9.71
1914.30	1.4	QPSK	1 / 5	23.35	0.00	23.35	0.216	33.01	-9.66
1850.70	1.4	16-QAM	1 / 0	22.59	0.00	22.59	0.182	33.01	-10.42
1882.50	1.4	16-QAM	1 / 0	22.53	0.00	22.53	0.179	33.01	-10.48
1914.30	1.4	16-QAM	1 / 5	22.57	0.00	22.57	0.181	33.01	-10.44
1850.70	1.4	64-QAM	1 / 0	21.67	0.00	21.67	0.147	33.01	-11.34
1882.50	1.4	64-QAM	1 / 0	21.55	0.00	21.55	0.143	33.01	-11.46
1914.30	1.4	64-QAM	3 / 2	21.66	0.00	21.66	0.147	33.01	-11.35
1851.50	3	QPSK	1 / 0	23.40	0.00	23.40	0.219	33.01	-9.61
1882.50	3	QPSK	1 / 14	23.36	0.00	23.36	0.217	33.01	-9.65
1913.50	3	QPSK	1 / 0	23.42	0.00	23.42	0.220	33.01	-9.59
1851.50	3	16-QAM	1 / 0	22.57	0.00	22.57	0.181	33.01	-10.44
1882.50	3	16-QAM	1 / 14	22.57	0.00	22.57	0.181	33.01	-10.44
1913.50	3	16-QAM	1 / 0	22.62	0.00	22.62	0.183	33.01	-10.39
1851.50	3	64-QAM	1 / 0	21.64	0.00	21.64	0.146	33.01	-11.37
1882.50	3	64-QAM	1 / 0	21.66	0.00	21.66	0.147	33.01	-11.35
1913.50	3	64-QAM	1 / 0	21.60	0.00	21.60	0.145	33.01	-11.41
1852.50	5	QPSK	1 / 0	23.45	0.00	23.45	0.221	33.01	-9.56
1882.50	5	QPSK	1 / 24	23.41	0.00	23.41	0.219	33.01	-9.60
1912.50	5	QPSK	1 / 0	23.47	0.00	23.47	0.222	33.01	-9.54
1852.50	5	16-QAM	1 / 0	22.57	0.00	22.57	0.181	33.01	-10.44
1882.50	5	16-QAM	1 / 24	22.63	0.00	22.63	0.183	33.01	-10.38
1912.50	5	16-QAM	1 / 0	22.49	0.00	22.49	0.177	33.01	-10.52
1852.50	5	64-QAM	1 / 0	21.59	0.00	21.59	0.144	33.01	-11.42
1882.50	5	64-QAM	1 / 24	21.69	0.00	21.69	0.148	33.01	-11.32
1912.50	5	64-QAM	1 / 0	21.94	0.00	21.94	0.156	33.01	-11.07
1855.00	10	QPSK	1 / 0	23.42	0.00	23.42	0.220	33.01	-9.59
1882.50	10	QPSK	1 / 49	23.46	0.00	23.46	0.222	33.01	-9.55
1910.00	10	QPSK	1 / 0	23.45	0.00	23.45	0.221	33.01	-9.56
1855.00	10	16-QAM	1 / 0	22.62	0.00	22.62	0.183	33.01	-10.39
1882.50	10	16-QAM	1 / 49	22.67	0.00	22.67	0.185	33.01	-10.34
1910.00	10	16-QAM	1 / 0	22.57	0.00	22.57	0.181	33.01	-10.44
1855.00	10	64-QAM	1 / 49	21.74	0.00	21.74	0.149	33.01	-11.27
1882.50	10	64-QAM	1 / 49	21.69	0.00	21.69	0.148	33.01	-11.32
1910.00	10	64-QAM	1 / 0	21.60	0.00	21.60	0.145	33.01	-11.41
1857.50	15	QPSK	1 / 0	23.31	0.00	23.31	0.214	33.01	-9.70
1882.50	15	QPSK	1 / 74	23.32	0.00	23.32	0.215	33.01	-9.69
1907.50	15	QPSK	1 / 74	23.36	0.00	23.36	0.217	33.01	-9.65
1857.50	15	16-QAM	1 / 0	22.52	0.00	22.52	0.179	33.01	-10.49
1882.50	15	16-QAM	1 / 74	22.50	0.00	22.50	0.178	33.01	-10.51
1907.50	15	16-QAM	1 / 74	22.57	0.00	22.57	0.181	33.01	-10.44
1857.50	15	64-QAM	1 / 0	21.65	0.00	21.65	0.146	33.01	-11.36
1882.50	15	64-QAM	1 / 74	21.74	0.00	21.74	0.149	33.01	-11.27
1907.50	15	64-QAM	1 / 0	21.51	0.00	21.51	0.142	33.01	-11.50
1860.00	20	QPSK	1 / 0	23.42	0.00	23.42	0.220	33.01	-9.59
1882.50	20	QPSK	1 / 99	23.37	0.00	23.37	0.217	33.01	-9.64
1905.00	20	QPSK	1 / 99	23.37	0.00	23.37	0.217	33.01	-9.64
1860.00	20	16-QAM	1 / 0	22.57	0.00	22.57	0.181	33.01	-10.44
1882.50	20	16-QAM	1 / 99	22.47	0.00	22.47	0.177	33.01	-10.54
1905.00	20	16-QAM	1 / 99	22.49	0.00	22.49	0.177	33.01	-10.52
1860.00	20	64-QAM	1 / 0	21.79	0.00	21.79	0.151	33.01	-11.22
1882.50	20	64-QAM	1 / 99	21.62	0.00	21.62	0.145	33.01	-11.39
1905.00	20	64-QAM	1 / 0	21.61	0.00	21.61	0.145	33.01	-11.40

Table 7-36. EIRP Data (Band 25)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 273 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2307.50	5	QPSK	1 / 0	22.55	0.80	23.35	0.216	23.98	-0.63
2312.50	5	QPSK	1 / 0	22.50	0.80	23.30	0.214	23.98	-0.68
2307.50	5	16-QAM	1 / 0	21.70	0.80	22.50	0.178	23.98	-1.48
2312.50	5	16-QAM	1 / 0	21.60	0.80	22.40	0.174	23.98	-1.58
2307.50	5	64-QAM	1 / 0	20.60	0.80	21.40	0.138	23.98	-2.58
2312.50	5	64-QAM	1 / 0	20.86	0.80	21.66	0.147	23.98	-2.32
2310.00	10	QPSK	1 / 0	22.54	0.80	23.34	0.216	23.98	-0.64
2310.00	10	16-QAM	1 / 0	21.70	0.80	22.50	0.178	23.98	-1.48
2310.00	10	64-QAM	1 / 0	20.58	0.80	21.38	0.137	23.98	-2.60

Table 7-37. EIRP Data (Band 30)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 274 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2502.50	5	QPSK	1 / 24	22.94	1.50	24.44	0.278	33.01	-8.57
2535.00	5	QPSK	1 / 24	22.79	1.40	24.19	0.262	33.01	-8.82
2567.50	5	QPSK	1 / 0	23.09	1.40	24.49	0.281	33.01	-8.52
2502.50	5	16-QAM	1 / 24	22.32	1.50	23.82	0.241	33.01	-9.19
2535.00	5	16-QAM	1 / 24	22.10	1.40	23.50	0.224	33.01	-9.51
2567.50	5	16-QAM	1 / 24	22.43	1.40	23.83	0.242	33.01	-9.18
2502.50	5	64-QAM	1 / 24	21.47	1.50	22.97	0.198	33.01	-10.04
2535.00	5	64-QAM	1 / 24	21.63	1.40	23.03	0.201	33.01	-9.98
2567.50	5	64-QAM	1 / 0	21.68	1.40	23.08	0.203	33.01	-9.93
2505.00	10	QPSK	1 / 49	23.03	1.50	24.53	0.284	33.01	-8.48
2535.00	10	QPSK	1 / 0	22.88	1.40	24.28	0.268	33.01	-8.73
2565.00	10	QPSK	1 / 0	23.03	1.40	24.43	0.277	33.01	-8.58
2505.00	10	16-QAM	1 / 49	22.29	1.50	23.79	0.239	33.01	-9.22
2535.00	10	16-QAM	1 / 0	22.22	1.40	23.62	0.230	33.01	-9.39
2565.00	10	16-QAM	1 / 0	22.42	1.40	23.82	0.241	33.01	-9.19
2505.00	10	64-QAM	1 / 49	21.71	1.50	23.21	0.209	33.01	-9.80
2535.00	10	64-QAM	1 / 49	21.61	1.40	23.01	0.200	33.01	-10.00
2565.00	10	64-QAM	1 / 49	21.46	1.40	22.86	0.193	33.01	-10.15
2507.50	15	QPSK	1 / 74	23.04	1.50	24.54	0.284	33.01	-8.47
2535.00	15	QPSK	1 / 0	22.81	1.40	24.21	0.264	33.01	-8.80
2562.50	15	QPSK	1 / 74	22.88	1.40	24.28	0.268	33.01	-8.73
2507.50	15	16-QAM	1 / 74	22.21	1.50	23.71	0.235	33.01	-9.30
2535.00	15	16-QAM	1 / 0	22.16	1.40	23.56	0.227	33.01	-9.45
2562.50	15	16-QAM	1 / 74	22.31	1.40	23.71	0.235	33.01	-9.30
2507.50	15	64-QAM	1 / 74	21.46	1.50	22.96	0.198	33.01	-10.05
2535.00	15	64-QAM	1 / 0	21.65	1.40	23.05	0.202	33.01	-9.96
2562.50	15	64-QAM	1 / 74	21.56	1.40	22.96	0.198	33.01	-10.05
2510.00	20	QPSK	1 / 99	23.02	1.50	24.52	0.283	33.01	-8.49
2535.00	20	QPSK	1 / 0	22.93	1.40	24.33	0.271	33.01	-8.68
2560.00	20	QPSK	1 / 99	22.80	1.40	24.20	0.263	33.01	-8.81
2510.00	20	16-QAM	1 / 99	22.03	1.50	23.53	0.225	33.01	-9.48
2535.00	20	16-QAM	1 / 0	22.27	1.40	23.67	0.233	33.01	-9.34
2560.00	20	16-QAM	1 / 99	22.18	1.40	23.58	0.228	33.01	-9.43
2510.00	20	64-QAM	1 / 99	21.58	1.50	23.08	0.203	33.01	-9.93
2535.00	20	64-QAM	1 / 0	21.54	1.40	22.94	0.197	33.01	-10.07
2560.00	20	64-QAM	1 / 99	21.48	1.40	22.88	0.194	33.01	-10.13

Table 7-38. EIRP Data (Band 7)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
Test Report S/N: 1C1811080027-03-R1.BCG	Test Dates: 12/19/2018-02/07/2019	EUT Type: Tablet Device	Page 275 of 340

Frequency [MHz]	Channel Bandwidth [MHz]	Mod.	RB Size/Offset	Conducted Power [dBm]	Ant. Gain [dBi]	EIRP [dBm]	EIRP [Watts]	EIRP Limit [dBm]	Margin [dB]
2498.50	5	QPSK	1 / 0	24.65	1.50	26.15	0.412	33.01	-6.86
2593.00	5	QPSK	1 / 0	24.75	1.40	26.15	0.412	33.01	-6.86
2687.50	5	QPSK	1 / 0	24.68	1.40	26.08	0.406	33.01	-6.93
2498.50	5	16-QAM	1 / 24	24.06	1.50	25.56	0.360	33.01	-7.45
2593.00	5	16-QAM	1 / 24	24.06	1.40	25.46	0.352	33.01	-7.55
2687.50	5	16-QAM	1 / 0	23.94	1.40	25.34	0.342	33.01	-7.67
2498.50	5	64-QAM	1 / 24	22.59	1.50	24.09	0.256	33.01	-8.92
2593.00	5	64-QAM	1 / 24	22.62	1.40	24.02	0.252	33.01	-8.99
2687.50	5	64-QAM	1 / 24	22.65	1.40	24.05	0.254	33.01	-8.96
2501.00	10	QPSK	1 / 0	24.72	1.50	26.22	0.419	33.01	-6.79
2593.00	10	QPSK	1 / 49	24.74	1.40	26.14	0.411	33.01	-6.87
2685.00	10	QPSK	1 / 0	24.63	1.40	26.03	0.401	33.01	-6.98
2501.00	10	16-QAM	1 / 49	24.09	1.50	25.59	0.362	33.01	-7.42
2593.00	10	16-QAM	1 / 0	24.05	1.40	25.45	0.351	33.01	-7.56
2685.00	10	16-QAM	1 / 0	23.86	1.40	25.26	0.336	33.01	-7.75
2501.00	10	64-QAM	1 / 49	22.58	1.50	24.08	0.256	33.01	-8.93
2593.00	10	64-QAM	1 / 49	22.64	1.40	24.04	0.254	33.01	-8.97
2685.00	10	64-QAM	1 / 49	22.66	1.40	24.06	0.255	33.01	-8.95
2503.50	15	QPSK	1 / 0	24.67	1.50	26.17	0.414	33.01	-6.84
2593.00	15	QPSK	1 / 0	24.63	1.40	26.03	0.401	33.01	-6.98
2682.50	15	QPSK	1 / 0	24.55	1.40	25.95	0.394	33.01	-7.06
2503.50	15	16-QAM	1 / 0	24.02	1.50	25.52	0.356	33.01	-7.49
2593.00	15	16-QAM	1 / 0	23.84	1.40	25.24	0.334	33.01	-7.77
2682.50	15	16-QAM	1 / 0	23.80	1.40	25.20	0.331	33.01	-7.81
2503.50	15	64-QAM	1 / 0	22.50	1.50	24.00	0.251	33.01	-9.01
2593.00	15	64-QAM	1 / 74	22.71	1.40	24.11	0.258	33.01	-8.90
2682.50	15	64-QAM	1 / 74	22.49	1.40	23.89	0.245	33.01	-9.12
2506.00	20	QPSK	1 / 0	24.73	1.50	26.23	0.420	33.01	-6.78
2593.00	20	QPSK	1 / 0	24.65	1.40	26.05	0.403	33.01	-6.96
2680.00	20	QPSK	1 / 0	24.60	1.40	26.00	0.398	33.01	-7.01
2506.00	20	16-QAM	1 / 0	23.93	1.50	25.43	0.349	33.01	-7.58
2593.00	20	16-QAM	1 / 0	24.09	1.40	25.49	0.354	33.01	-7.52
2680.00	20	16-QAM	1 / 0	24.03	1.40	25.43	0.349	33.01	-7.58
2506.00	20	64-QAM	1 / 99	22.54	1.50	24.04	0.254	33.01	-8.97
2593.00	20	64-QAM	1 / 99	22.66	1.40	24.06	0.255	33.01	-8.95
2680.00	20	64-QAM	1 / 0	22.73	1.40	24.13	0.259	33.01	-8.88

Table 7-39. EIRP Data (Band 41)

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7.9 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 vertically and horizontally polarized tuned dipole antennas. Measurements on signals operating above 1GHz are performed using vertically and horizontally polarized broadband horn antennas.

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.

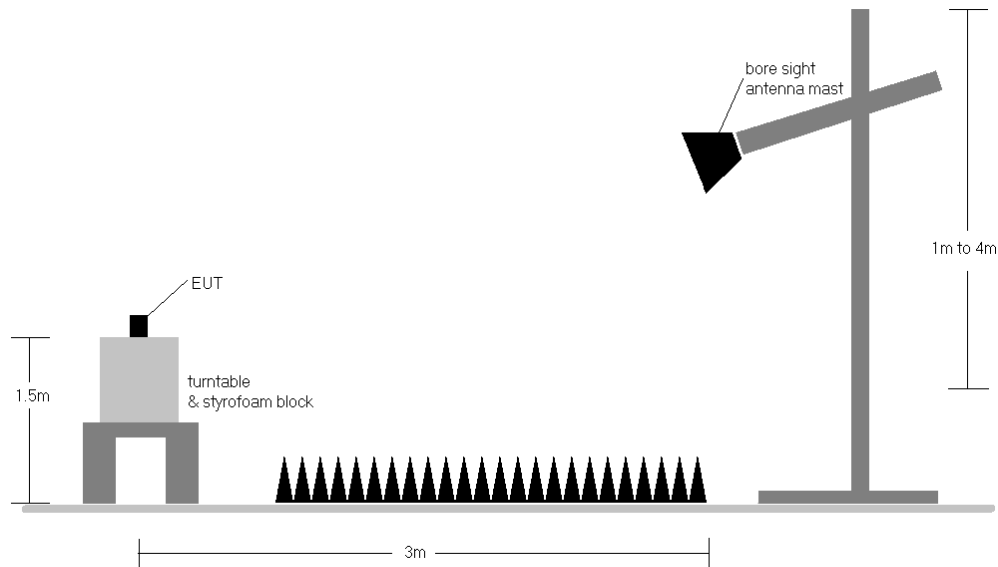


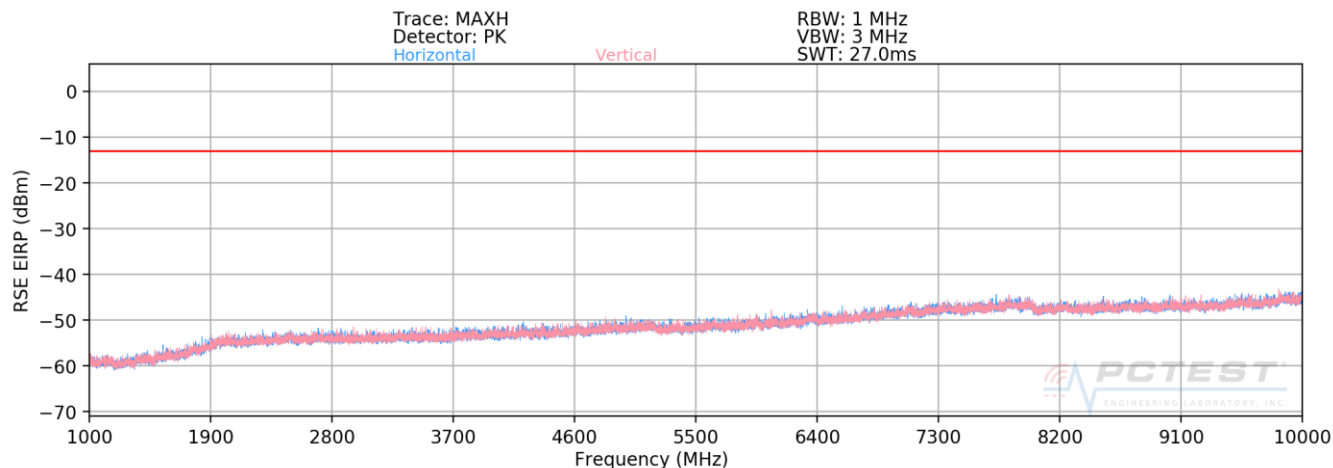
Figure 7-8. Test Instrument & Measurement Setup

Test Notes

- 1) The EUT was tested in three orthogonal planes and in all possible test configurations and positioning. The worst case emissions are reported with the EUT positioning, modulations, RB sizes and offsets, and channel bandwidth configurations shown in the tables below.
- 2) This unit was tested with its standard battery.
- 3) The spectrum is measured from 9kHz to the 10th harmonic of the fundamental frequency of the transmitter. The worst-case emissions are reported.
- 4) 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.
- 5) The "-" shown in the following RSE tables are used to denote a noise floor measurement.
- 6) All ports were tested and only the worst case data were reported.
- 7) Refer to Table 2-1 Section 2.3 of this test report for correlation between Antennas and Ports.
- 8) For LTE Band 30 the spurious emissions at 18GHz are compliant when measuring with a RMS detector and trace averaging.

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7.9.1 ANT WF3 (Port A) Radiated Spurious Emissions Measurements Band 12/17



Plot 7-421. Radiated Spurious Plot above 1GHz (Band 12/17)

OPERATING FREQUENCY: 704.00 MHz
MODULATION SIGNAL: QPSK
BANDWIDTH: 10.0 MHz
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]
1408.00	H	-	-	-71.48	3.84	-67.65	-54.6
2112.00	H	-	-	-68.34	4.65	-63.69	-50.7
2816.00	H	-	-	-69.28	6.03	-63.25	-50.3

Table 7-40. Radiated Spurious Data (Band 12/17 – Low Channel)

FCC ID: BCGA2124	MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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OPERATING FREQUENCY: 707.50 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 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]
1415.00	H	-	-	-71.76	3.90	-67.87	-54.9
2122.50	H	-	-	-68.50	4.71	-63.79	-50.8
2830.00	H	-	-	-69.31	6.03	-63.28	-50.3

Table 7-41. Radiated Spurious Data (Band 12/17 – Mid Channel)

OPERATING FREQUENCY: 711.00 MHz
 MODULATION SIGNAL: QPSK
 BANDWIDTH: 10.0 MHz
 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]
1422.00	H	-	-	-71.67	3.96	-67.71	-54.7
2133.00	H	-	-	-68.45	4.77	-63.69	-50.7
2844.00	H	-	-	-69.10	6.04	-63.06	-50.1

Table 7-42. Radiated Spurious Data (Band 12/17 – High Channel)

FCC ID: BCGA2124	 MEASUREMENT REPORT (CERTIFICATION)		Approved by: Quality Manager
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