



PART 24 MEASUREMENT REPORT

Applicant Name:

Apple Inc.
 One Apple Park Way
 Cupertino, CA 95014
 United States

Date of Testing:

6/7/2021 - 7/30/2021

Test Site/Location:

PCTEST Lab. Morgan Hill, CA, USA

Test Report Serial No.:

1C2106080051-02-R1.BCG

FCC ID:

BCGA2603

Applicant Name:

Apple Inc.

Application Type:

Certification

Model:

A2603

EUT Type:

Tablet Device

FCC Classification:

PCS Licensed Transmitter (PCB)

FCC Rule Part:

24

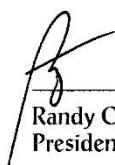
Test Procedure(s):

ANSI C63.26-2015, TIA-603-E-2016, KDB 971168 D01
 v03r01

This equipment has been shown to be capable of compliance with the applicable technical standards as indicated in the measurement report and was tested in accordance with the measurement procedures specified in §2.947. Test results reported herein relate only to the item(s) tested.

This revised Test Report (S/N: 1C2106080051-02-R1.BCG Report SNs) supersedes and replaces the previously issued test report on the same subject device for the same type of testing as indicated. Please discard or destroy the previously issued test report(s) and dispose of it accordingly.

I attest to the accuracy of data. All measurements reported herein were performed by me or were made under my supervision and are correct to the best of my knowledge and belief. I assume full responsibility for the completeness of these measurements and vouch for the qualifications of all persons taking them.

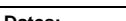


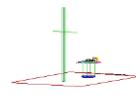
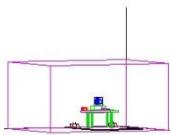
 Randy Ortanez
 President


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Mode	Bandwidth	Modulation	Tx Frequency Range [MHz]	OBW [MHz]	PAR at 0.1% [dB]	EIRP		Emission Designator
						Max. Power [W]	Max. Power [dBm]	
WCDMA1900	5 MHz	Spread Spectrum	1852.4 - 1907.6	4.0993	3.26	0.603	27.80	4M10F9W
Band 2	1.4 MHz	QPSK	1850.7 - 1914.3	1.1065	5.24	0.575	27.60	1M11G7W
		16QAM	1850.7 - 1914.3	1.1061	6.07	0.506	27.04	1M11D7W
		64QAM	1850.7 - 1914.3	1.1125	6.55	0.404	26.06	1M11D7W
	3 MHz	QPSK	1851.5 - 1913.5	2.7339	5.33	0.573	27.58	2M73G7W
		16QAM	1851.5 - 1913.5	2.7174	6.22	0.507	27.05	2M72D7W
		64QAM	1851.5 - 1913.5	2.7162	6.56	0.395	25.97	2M72D7W
	5 MHz	QPSK	1852.5 - 1912.5	4.5565	5.4	0.585	27.67	4M56G7W
		16QAM	1852.5 - 1912.5	4.5566	6.17	0.532	27.26	4M56D7W
		64QAM	1852.5 - 1912.5	4.5302	6.52	0.414	26.17	4M53D7W
	10MHz	QPSK	1855 - 1910	9.0310	5.45	0.573	27.58	9M03G7W
		16QAM	1855 - 1910	9.0958	6.19	0.504	27.02	9M10D7W
		64QAM	1855 - 1910	9.1077	6.59	0.408	26.11	9M11D7W
	15 MHz	QPSK	1857.5 - 1907.5	13.6400	5.67	0.600	27.78	13M6G7W
		16QAM	1857.5 - 1907.5	13.5987	6.08	0.516	27.13	13M6D7W
		64QAM	1857.5 - 1907.5	13.5783	6.57	0.416	26.19	13M6D7W
	20 MHz	QPSK	1860 - 1905	18.1538	5.39	0.594	27.74	18M2G7W
		16QAM	1860 - 1905	18.1853	6.17	0.528	27.23	18M2D7W
		64QAM	1860 - 1905	18.1636	6.57	0.433	26.36	18M2D7W
Band 25	1.4 MHz	QPSK	1850.7 - 1914.3	1.1065	4.98	0.603	27.80	1M11G7W
		16QAM	1850.7 - 1914.3	1.1061	5.85	0.524	27.19	1M11D7W
		64QAM	1850.7 - 1914.3	1.1125	6.46	0.420	26.23	1M11D7W
	3 MHz	QPSK	1851.5 - 1913.5	2.7339	5.7	0.603	27.80	2M73G7W
		16QAM	1851.5 - 1913.5	2.7174	6.51	0.530	27.24	2M72D7W
		64QAM	1851.5 - 1913.5	2.7162	6.5	0.424	26.27	2M72D7W
	5 MHz	QPSK	1852.5 - 1912.5	4.5565	5.6	0.603	27.80	4M56G7W
		16QAM	1852.5 - 1912.5	4.5566	6.35	0.532	27.26	4M56D7W
		64QAM	1852.5 - 1912.5	4.5302	6.46	0.432	26.35	4M53D7W
	10 MHz	QPSK	1855 - 1910	9.0310	5.15	0.603	27.80	9M03G7W
		16QAM	1855 - 1910	9.0958	6.12	0.519	27.15	9M10D7W
		64QAM	1855 - 1910	9.1077	6.42	0.418	26.21	9M11D7W
	15 MHz	QPSK	1857.5 - 1907.5	13.6400	5.25	0.603	27.80	13M6G7W
		16QAM	1857.5 - 1907.5	13.5987	5.98	0.528	27.23	13M6D7W
		64QAM	1857.5 - 1907.5	13.5783	6.5	0.411	26.14	13M6D7W
	20 MHz	QPSK	1860 - 1905	18.1538	5.3	0.603	27.80	18M2G7W
		16QAM	1860 - 1905	18.1853	6.06	0.509	27.07	18M2D7W
		64QAM	1860 - 1905	18.1636	6.54	0.415	26.18	18M2D7W

EUT Overview

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1.0 INTRODUCTION

1.1 Scope

Measurement and determination of electromagnetic emissions (EMC) of radio frequency devices including intentional and/or unintentional radiators for compliance with the technical rules and regulations of the Federal Communications Commission and the Innovation, Science and Economic Development Canada.

1.2 PCTEST Test Location

These measurement tests were conducted at the PCTEST facility located at 18855 Adams Court, Morgan Hill, CA 95037. The measurement facility is compliant with the test site requirements specified in ANSI C63.4-2014 and KDB 414788 D01 v01r01.

1.3 Test Facility / Accreditations

Measurements were performed at PCTEST located in Morgan Hill, CA 95037, U.S.A.

- PCTEST is an ISO 17025-2017 accredited test facility under the American Association for Laboratory Accreditation (A2LA) with Certificate number 2041.02 for Specific Absorption Rate (SAR), Hearing Aid Compatibility (HAC) testing, where applicable, and Electromagnetic Compatibility (EMC) testing for FCC and Innovation, Science, and Economic Development Canada rules.
- PCTEST TCB is a Telecommunication Certification Body (TCB) accredited to ISO/IEC 17065-2012 by A2LA (Certificate number 2041.03) in all scopes of FCC Rules and ISED Standards (RSS).
- PCTEST facility is a registered (22831) test laboratory with the site description on file with ISED.

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2.0 PRODUCT INFORMATION

2.1 Equipment Description

The Equipment Under Test (EUT) is the **Apple Tablet Device FCC ID:BCGA2603**. The test data contained in this report pertains only to the emissions due to the EUT's licensed transmitters that operate under the provisions of Part 24.

Test Device Serial No.: QCQ16N0YCW, VCXH667WN9, F9F11660HE012891K

2.2 Device Capabilities

This device contains the following capabilities:

WCDMA/HSPA, Multi-band LTE, 802.11b/g/n WLAN, 802.11a/n/ac UNII, BT (1x, EDR, LE)

2.3 Antenna Description

Following antenna gains provided by manufacturer were used for testing.

Frequency [MHz]	Antennas	
	Antenna C	Antenna D
1820-2100	2.3	2.6

Table 2-1. Highest Antenna Gain

2.4 Test Support Equipment

1	Apple MacBook w/AC/DC Adapter	Model: A2141	S/N:	C02DV7VKMD6T
2	Apple Cable	Model: Kanzi	S/N:	32530F
3	Apple USB-C to Lightning Cable w/ AC/DC Adapter	Model: N/A	S/N:	N/A
		Model: A2305	S/N:	N/A
4	DC Power Supply	Model: KPS3010D	S/N:	N/A

Table 2-2. Test Support Equipment

2.5 Test Configuration

The EUT was tested per the guidance of ANSI C63.26-2015, TIA-603-E-2016 and KDB 971168 D01 v03r01. See Section 7.0 of this test report for a description of the radiated and antenna port conducted emissions tests.

For emissions from 1GHz – 18GHz, low, mid, and high channels were tested with highest power and worst case configuration. The emissions below 1GHz and above 18GHz were tested with the highest transmitting power and the worst case channel.

The EUT was manipulated through three orthogonal planes of X-orientation (flatbed), Y-orientation (landscape), and Z-orientation (portrait) during the testing. Only the worst case emissions were reported in this test report.

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2.6 Software and Firmware

The test was conducted with firmware version 19A32670z installed on the EUT.

2.7 EMI Suppression Device(s)/Modifications

No EMI suppression device(s) were added and no modifications were made during testing.

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3.0 DESCRIPTION OF TESTS

3.1 Evaluation Procedure

The measurement procedures described in the document titled “Land Mobile FM or PM – Communications Equipment – Measurements and Performance Standards” (ANSI C63.26-2015/TIA-603-E-2016) and “Procedures for Compliance Measurement of the Fundamental Emission Power of Licensed Wideband (> 1 MHz) Digital Transmission Systems” (KDB 971168 D01 v03r01) were used in the measurement of the EUT.

Deviation from Measurement Procedure.....None

3.2 Radiated Spurious Emissions

The radiated test facilities consisted of an indoor 3 meter semi-anechoic chamber used for final measurements and exploratory measurements, when necessary. The measurement area is contained within the semi-anechoic chamber which is shielded from any ambient interference. The test site inside the chamber is a 6m x 5.2m elliptical, obstruction-free area in accordance with Figure 5.7 of Clause 5 in ANSI C63.4-2014. Absorbers are arranged on the floor between the turn table and the antenna mast in such a way so as to maximize the reduction of reflections for measurements above 1GHz. For measurements below 1GHz, the absorbers are removed. A raised turntable is used for radiated measurement. The turn table is a continuously rotatable, remote-controlled, metallic turntable and 2 meters (6.56 ft.) in diameter. The turn table is flush with the raised floor of the chamber in order to maintain its function as a ground plane. An 80cm tall test table made of Styrodur is placed on top of the turn table. A Styrodur pedestal is placed on top of the test table to bring the total table height to 1.5m.

The equipment under test was transmitting while connected to its integral antenna and is placed on a turntable 3 meters from the receive antenna. The receive antenna height is adjusted between 1 and 4 meter height, the turntable is rotated through 360 degrees, and the EUT is manipulated through all orthogonal planes representative of its typical use to achieve the highest reading on the receive spectrum analyzer.

For radiated spurious emissions measurements and calculations, conversion method is used per the formulas in KDB 971168 Section 5.8.4. Field Strength (EIRP) is calculated using the following formulas:

$$E_{[\text{dB}\mu\text{V}/\text{m}]} = \text{Measured amplitude level}_{[\text{dBm}]} + 107 + \text{Cable Loss}_{[\text{dB}]} + \text{Antenna Factor}_{[\text{dB}/\text{m}]} \\ \text{And}$$

$$\text{EIRP}_{[\text{dBm}]} = E_{[\text{dB}\mu\text{V}/\text{m}]} + 20\log D - 104.8; \text{ where } D \text{ is the measurement distance in meters.}$$

All radiated measurements are performed in a chamber that meets the site requirements per ANSI C63.4-2014.

Per KDB 414788 D01 v01r01, radiated emission test sites other than open-field test sites (e.g., shielded anechoic chambers), may be employed for emission measurements below 30MHz if characterized so that the measurements correspond to those obtained at an open-field test site. To determine test site equivalency, a reference sample transmitting at 149kHz was measured on an open field test site (asphalt with no ground plane) and then measured in the 3m semi-anechoic chamber. A calibrated 60cm loop antenna was used while the reference device was rotated through the X, Y and Z axis in order to capture the worst case level. A maximum deviation of 2.77dB at 149kHz was measured when comparing the 3 meter semi-anechoic chamber to the open field site.

Radiated spurious emission levels are investigated with the receive antenna horizontally and vertically polarized per ANSI C63.26-2015 and TIA-603-E-2016.

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4.0 MEASUREMENT UNCERTAINTY

The measurement uncertainties shown below were calculated in accordance with the requirements of ANSI C63.23-2012. All measurement uncertainty values are shown with a coverage factor of $k = 2$ to indicate a 95% level of confidence. The measurement uncertainty shown below meets or exceeds the U_{CISPR} measurement uncertainty values specified in CISPR 16-4-2 and, thus, can be compared directly to specified limits to determine compliance.

Contribution	Expanded Uncertainty (\pm dB)
Conducted Bench Top Measurements	1.65
Radiated Disturbance (<30MHz)	4.06
Radiated Disturbance (30MHz-1GHz)	4.30
Radiated Disturbance (1-18GHz)	4.78
Radiated Disturbance (>18GHz)	4.79

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5.0 TEST EQUIPMENT CALIBRATION DATA

Test Equipment Calibration is traceable to the National Institute of Standards and Technology (NIST). Measurements antennas used during testing were calibrated in accordance to the requirements of ANSI C63.5-2017.

Manufacturer	Model	Description	Cal Date	Cal Interval	Cal Due	Serial Number
Agilent Technologies	N9030A	3Hz-44GHz PXA Signal Analyzer	3/31/2021	Annual	3/31/2022	MY49430244
ATM	180-442A-KF	20dB Nominal Gain Horn Antenna	12/1/2020	Annual	12/1/2021	T058701-02
ETS-Lindgren	3142E	BiConiLog Antenna (30MHz - 6GHz)	9/15/2020	Annual	9/15/2021	208204
ETS-Lindgren	3117	Double Ridged Guide Antenna (1-18 GHz)	11/4/2020	Annual	11/4/2021	227597
ESPEC	SU-241	Tabletop Temperature Chamber	9/28/2020	Annual	9/28/2021	92009574
ETS-Lindgren	3142E	BiConiLog Antenna (30MHz - 6GHz)	9/15/2020	Annual	9/15/2021	208204
ETS-Lindgren	3117	Double Ridged Guide Antenna (1-18 GHz)	11/4/2020	Annual	11/4/2021	227597
Keysight Technology	N9040B	UXA Signal Analyzer	12/19/2020	Annual	12/19/2021	MY57212015
Rohde & Schwarz	TS-PR8	Pre-Amplifier (30MHz - 8GHz)	12/3/2020	Annual	12/3/2021	102327
Rohde & Schwarz	TS-PR18	Pre-Amplifier (1GHz - 18GHz)	12/3/2020	Annual	12/3/2021	101648
Rohde & Schwarz	FSV40	Signal Analyzer (10Hz-40GHz)	3/16/2021	Annual	3/16/2022	101619
Rohde & Schwarz	ESW26	EMI Test Receiver	6/11/2021	Annual	6/11/2022	101299
Rohde & Schwarz	ESW44	EMI Test Receiver	12/14/2020	Annual	12/14/2021	101867
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	10/13/2020	Annual	10/13/2021	161616
Rohde & Schwarz	CMW500	Wideband Radio Communication Tester	9/24/2020	Annual	9/24/2021	151888
Rohde & Schwarz	TS-PR1840	Pre-Amplifier (18GHz - 40GHz)	4/29/2021	Annual	4/29/2022	100051
Rohde & Schwarz	TC-TA18	Cross Polarized Vivaldi Antenna (400MHz-18GHz)	10/2/2020	Annual	10/2/2021	101063
Rohde & Schwarz	HFH2-Z2	Loop Antenna	4/5/2021	Annual	4/5/2022	100519

Table 5-1. Test Equipment

Notes:

1. For equipment listed above that has a calibration date or calibration due date that falls within the test date range, care was taken to ensure that this equipment was used after the calibration date and before the calibration due date.
2. Equipment with a calibration date of "N/A" shown in this list was not used to make direct calibrated measurements.

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6.0 SAMPLE CALCULATIONS

Emission Designator

WCDMA Emission Designator

Emission Designator = 4M16F9W

WCDMA BW = 4.16 MHz

F = Frequency Modulation

9 = Composite Digital Info

W = Combination (Audio/Data)

QPSK Modulation

Emission Designator = 8M62G7W

BW = 8.62 MHz

G = Phase Modulation

7 = Quantized/Digital Info

W = Combination of Any

QAM Modulation

Emission Designator = 8M45D7W

BW = 8.45 MHz

D = Amplitude/Angle Modulated

7 = Quantized/Digital Info

W = Combination of Any

Spurious Radiated Emission

Example: Spurious emission at 3700.40 MHz

The receive spectrum analyzer reading at 3 meters with the EUT on the turntable was -81.0 dBm. The gain of the substituted antenna is 8.1 dBi. The signal generator connected to the substituted antenna terminals is adjusted to produce a reading of -81.0 dBm on the spectrum analyzer. The loss of the cable between the signal generator and the terminals of the substituted antenna is 2.0 dB at 3700.40 MHz. So 6.1 dB is added to the signal generator reading of -30.9 dBm yielding -24.80 dBm. The fundamental EIRP was 25.50 dBm so this harmonic was 25.50 dBm $- (-24.80) = 50.3$ dBc.

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7.0 TEST RESULTS

7.1 Summary

Company Name: Apple Inc.
 FCC ID: BCGA2603
 FCC Classification: PCS Licensed Transmitter (PCB)
 Mode(s): WCDMA/LTE

Test Condition	Test Description	FCC Part Section(s)	Test Limit	Test Result	Reference
CONDUCTED	Occupied Bandwidth	2.1049	N/A	N/A	Section 7.2
	Conducted Band Edge / Spurious Emissions	2.1051, 24.238(a)	-13 dBm at Band Edge and for all out-of-band emissions	PASS	Sections 7.3, 7.4
	Peak-Average Ratio	24.232(d)	< 13 dB	PASS	Section 7.5
	Transmitter Conducted Output Power	2.1046	N/A	N/A	See RF Exposure Report
	Frequency Stability	2.1055, 24.235	Fundamental emissions stay within authorized frequency block over the temperature and voltage range as tested	PASS	Section 7.8
	Effective Radiated Power / Equivalent Isotropic Radiated Power	24.232(c)	< 2 Watts max. EIRP	PASS	Section 7.6
RADIATED	Radiated Spurious Emissions	2.1053, 24.238(a)	-13 dBm for all out-of-band emissions	PASS	Section 7.7

Table 7-1. Summary of Test Results

Notes:

1. All modes of operation and data rates were investigated. The test results shown in the following sections represent the worst case emissions.
2. The analyzer plots were all taken with a correction table loaded into the analyzer. The correction table was used to account for the losses of the cables, directional couplers, and attenuators used as part of the system to maintain a link between the call box and the EUT at all frequencies of interest.
3. All antenna port conducted emissions testing was performed on a test bench with the antenna port of the EUT connected to the spectrum analyzer through calibrated cables, attenuators, and couplers.
4. All conducted emissions measurements are performed with automated test software to capture the corresponding plots necessary to show compliance. The measurement software utilized is PCTEST EMC Software Tool 1.0.

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7.2 Occupied Bandwidth

§2.1049

Test Overview

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured. All modes of operation were investigated and the worst case configuration results are reported in this section. All ports were tested and only the worst case data were reported.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 4.2

Test Settings

1. The signal analyzer's automatic bandwidth measurement capability was used to perform the 99% occupied bandwidth and the 26dB bandwidth. The bandwidth measurement was not influenced by any intermediate power nulls in the fundamental emission.
2. RBW = 1 – 5% of the expected OBW
3. VBW $\geq 3 \times$ RBW
4. Detector = Peak
5. Trace mode = max hold
6. Sweep = auto couple
7. The trace was allowed to stabilize
8. If necessary, steps 2 – 7 were repeated after changing the RBW such that it would be within 1 – 5% of the 99% occupied bandwidth observed in Step 7

Test Setup

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

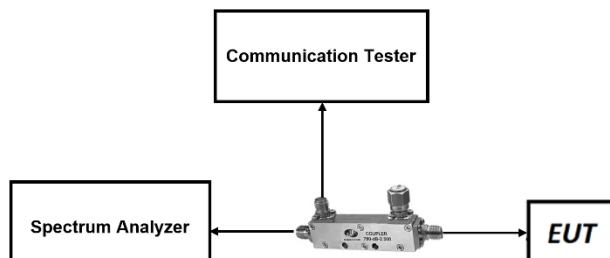


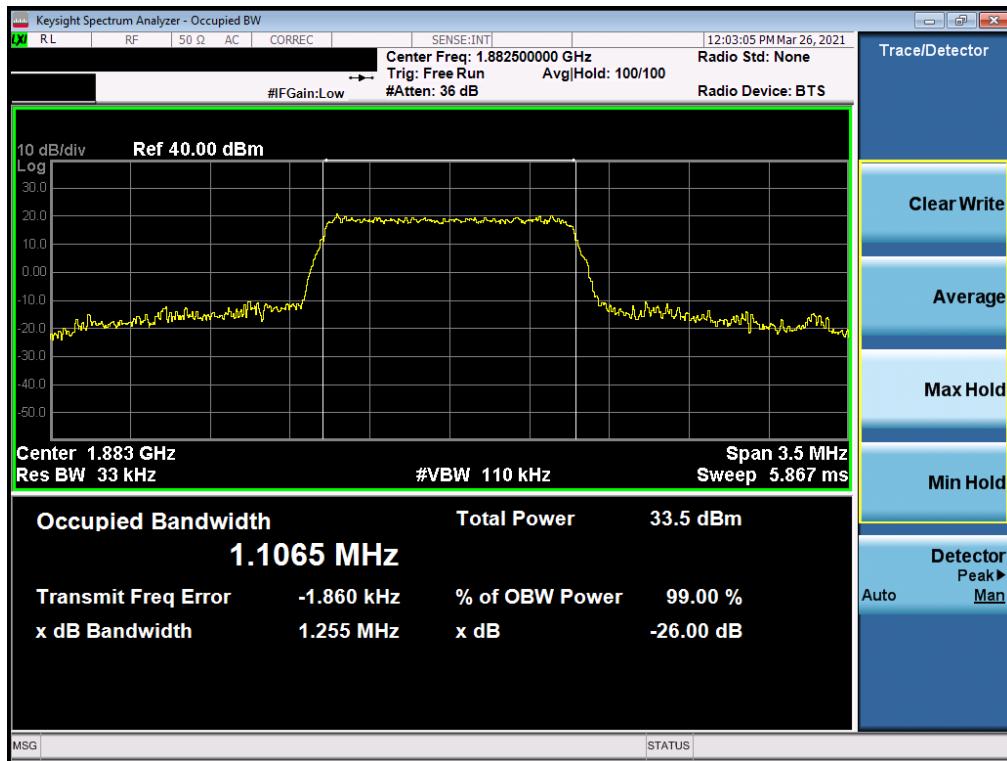
Figure 7-1. Test Instrument & Measurement Setup

Test Notes

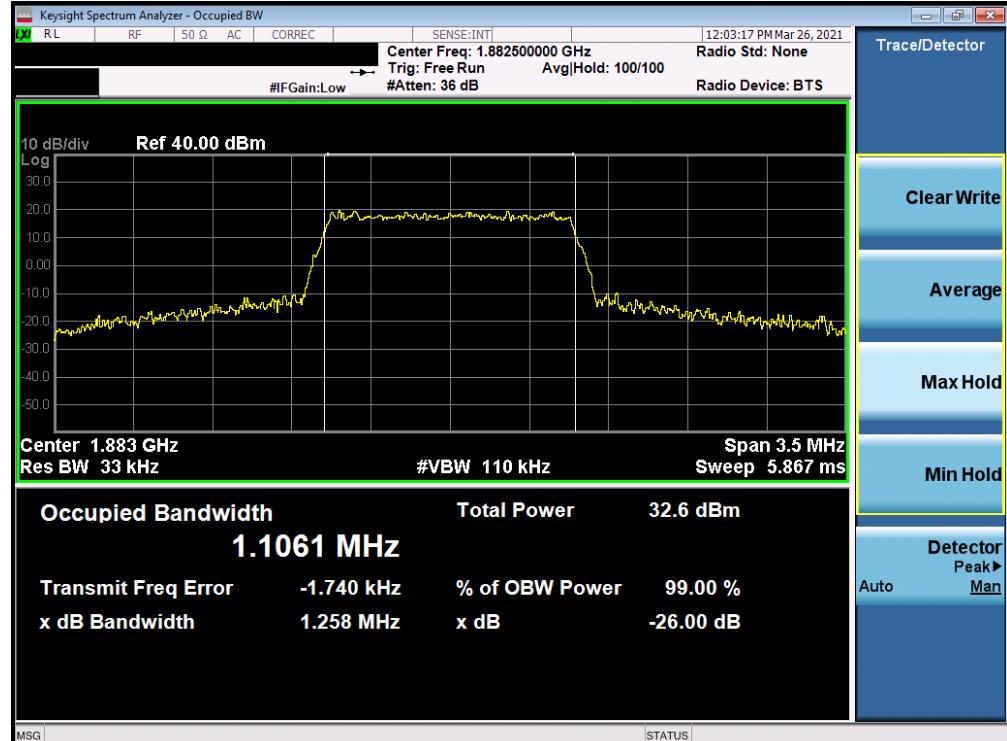
None.

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LTE Band 25/2

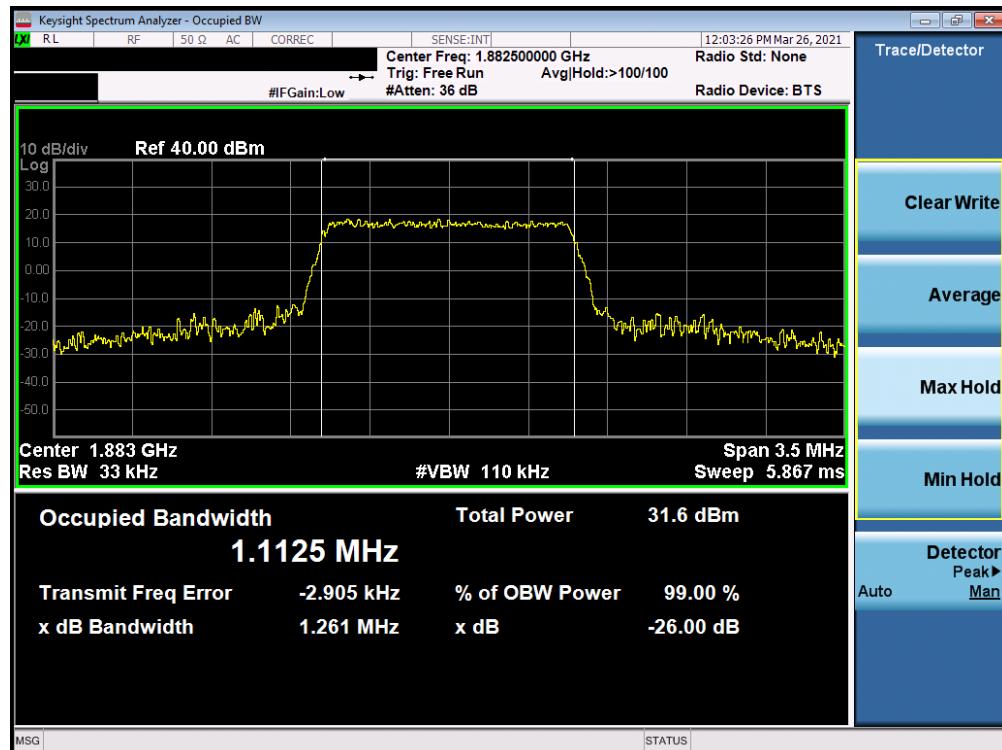


Plot 7-1. Occupied Bandwidth Plot (LTE Band 25/2 - 1.4MHz QPSK - Full RB Configuration)

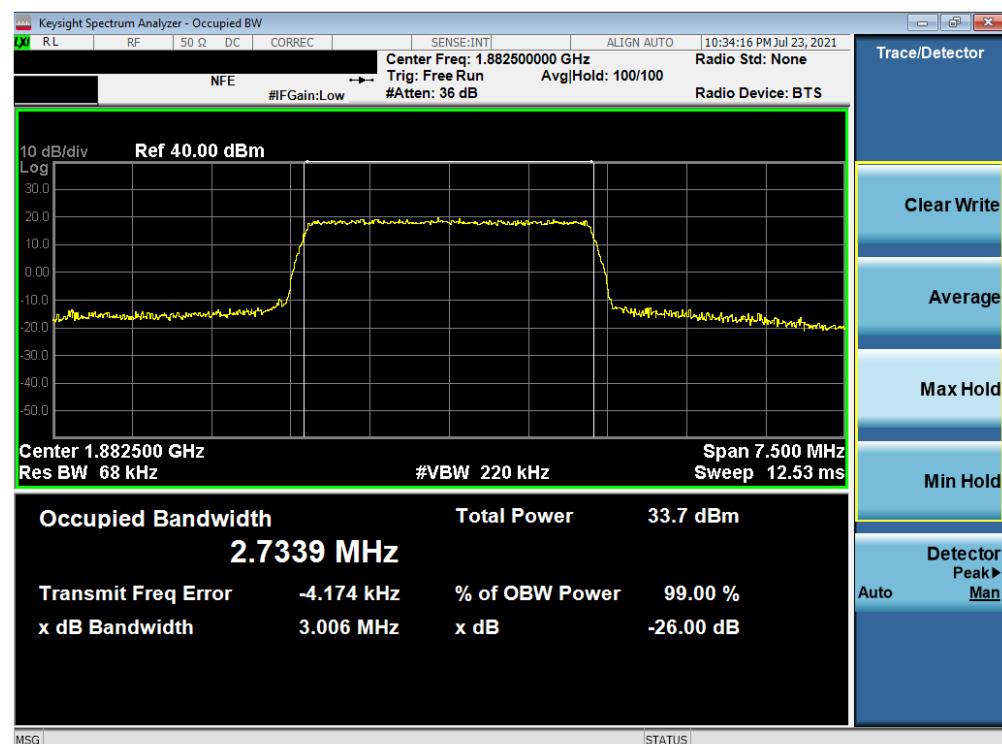


Plot 7-2. Occupied Bandwidth Plot (LTE Band 25/2 - 1.4MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2603	 PCTEST <small>Proud to be part of Element</small>		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 13 of 100



Plot 7-3. Occupied Bandwidth Plot (LTE Band 25/2 - 1.4MHz 64-QAM - Full RB Configuration)

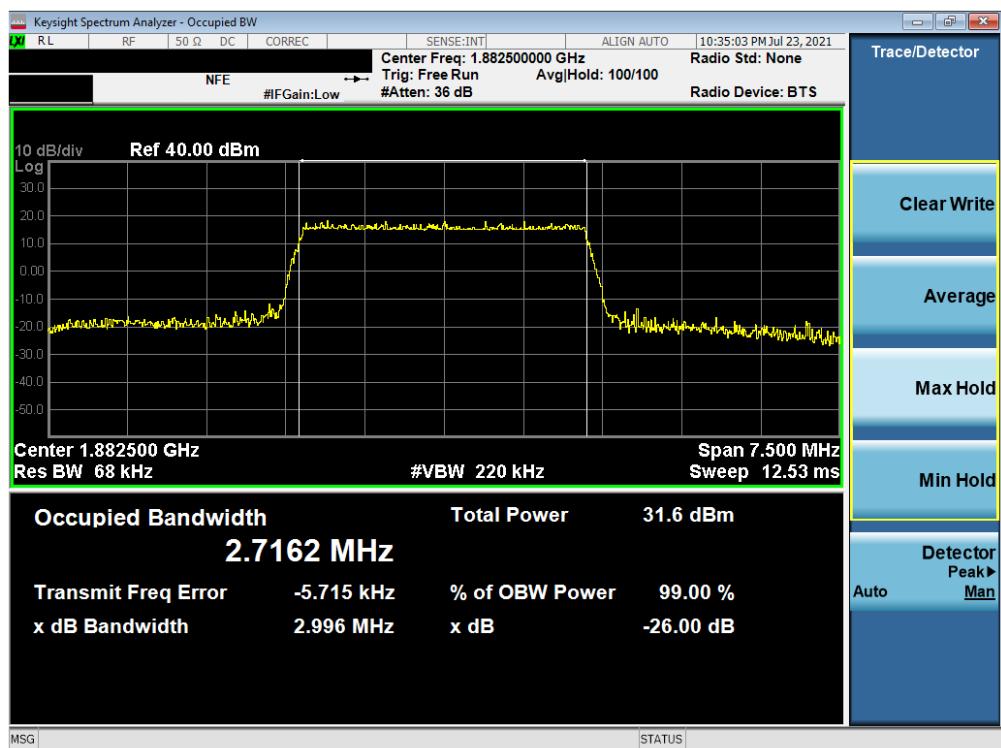


Plot 7-4. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz QPSK - Full RB Configuration)

FCC ID: BCGA2603	PCTEST Proud to be part of 			PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device			Page 14 of 100

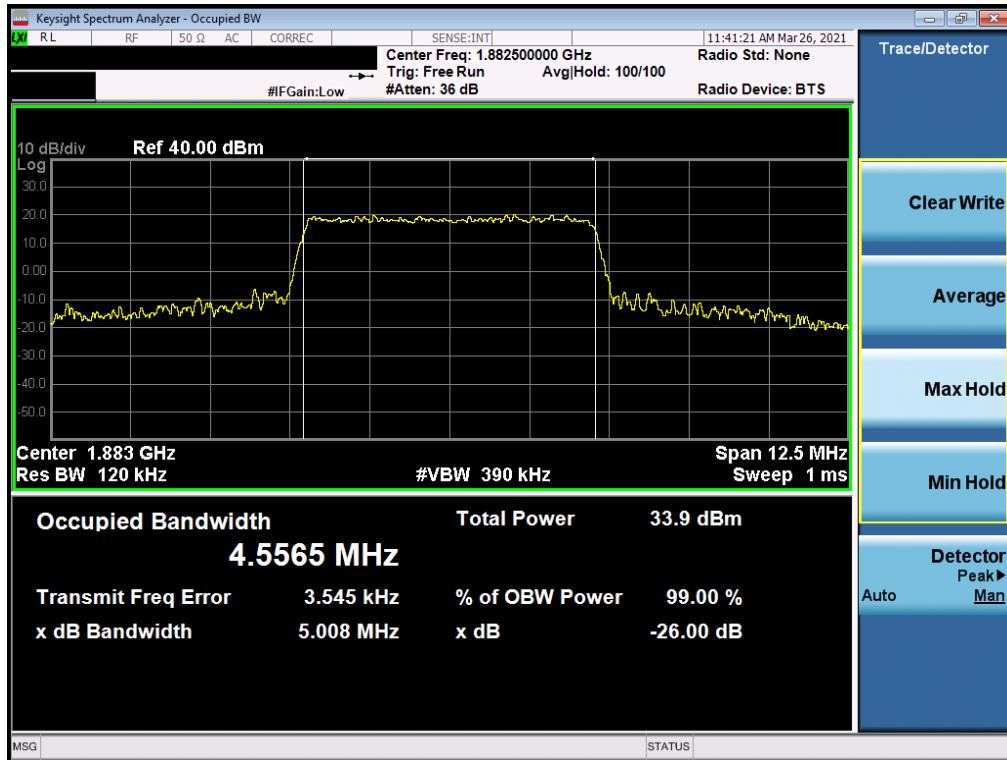


Plot 7-5. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz 16-QAM - Full RB Configuration)

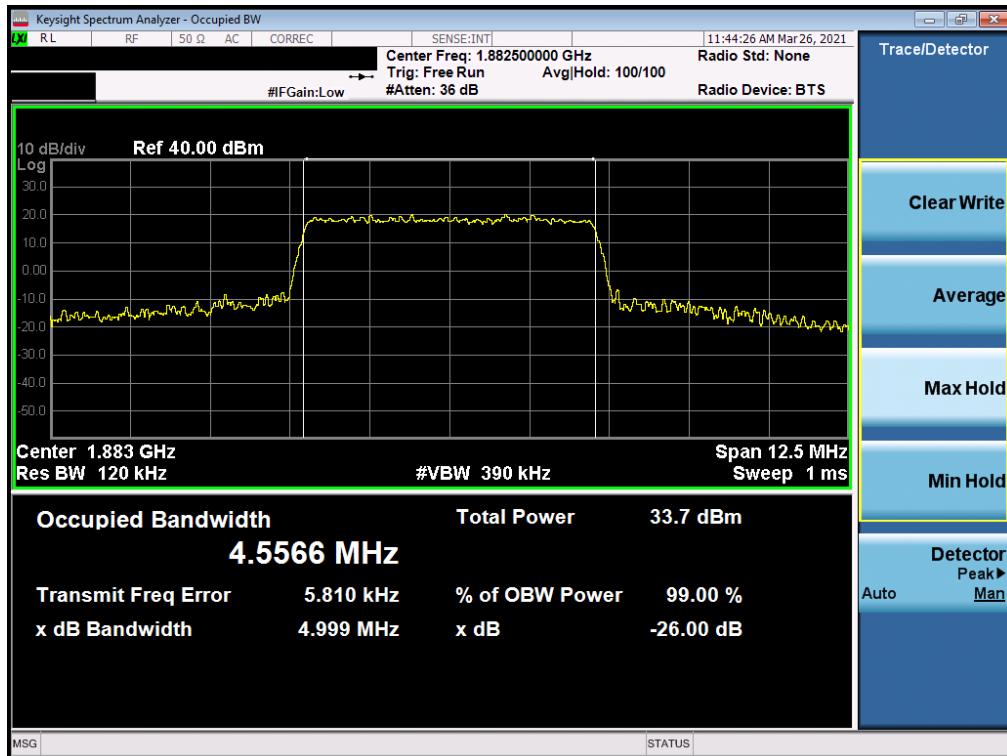


Plot 7-6. Occupied Bandwidth Plot (LTE Band 25/2 - 3MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2603	 PCTEST Proud to be part of 			PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device			Page 15 of 100

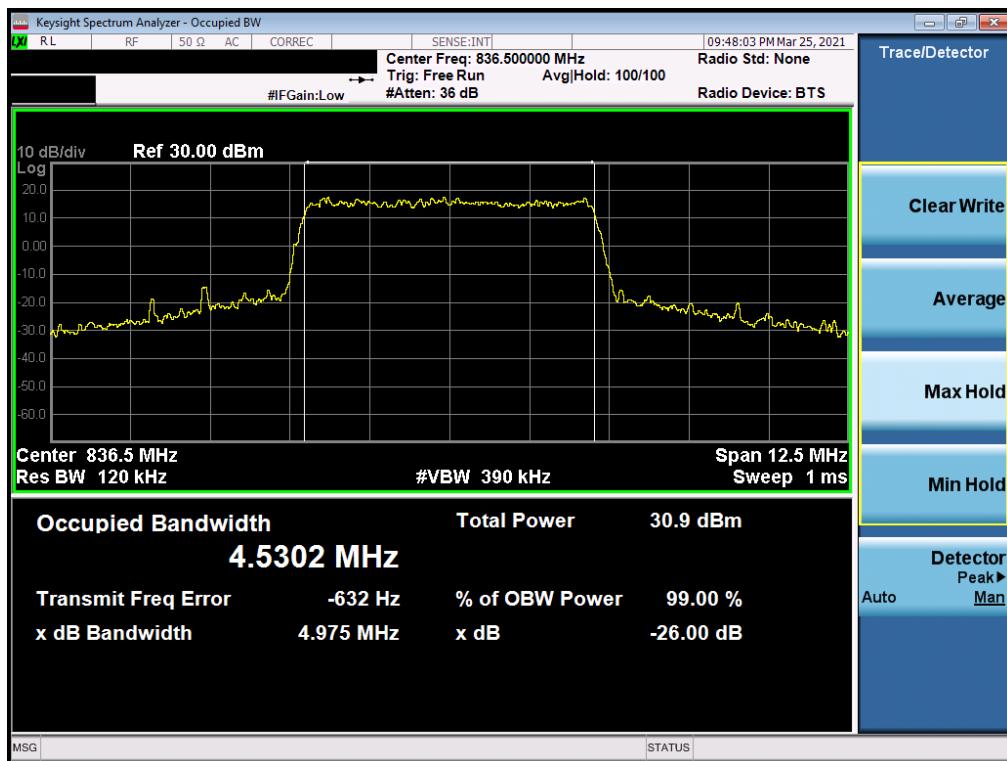


Plot 7-7. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz QPSK - Full RB Configuration)

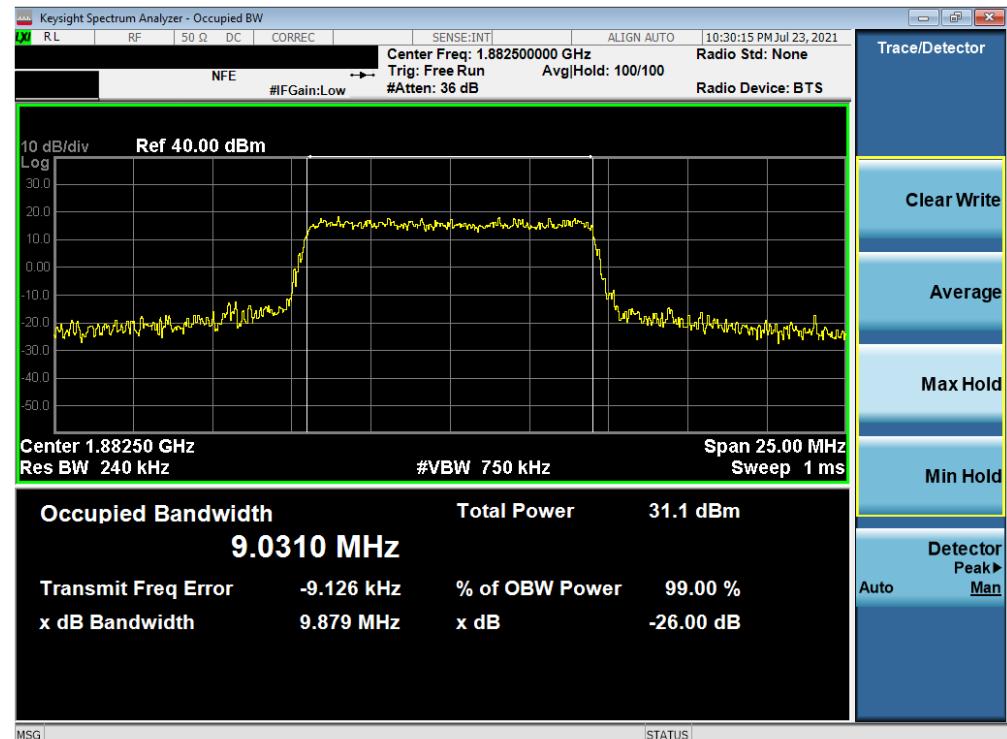


Plot 7-8. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 16 of 100



Plot 7-9. Occupied Bandwidth Plot (LTE Band 25/2 - 5MHz 64-QAM - Full RB Configuration)

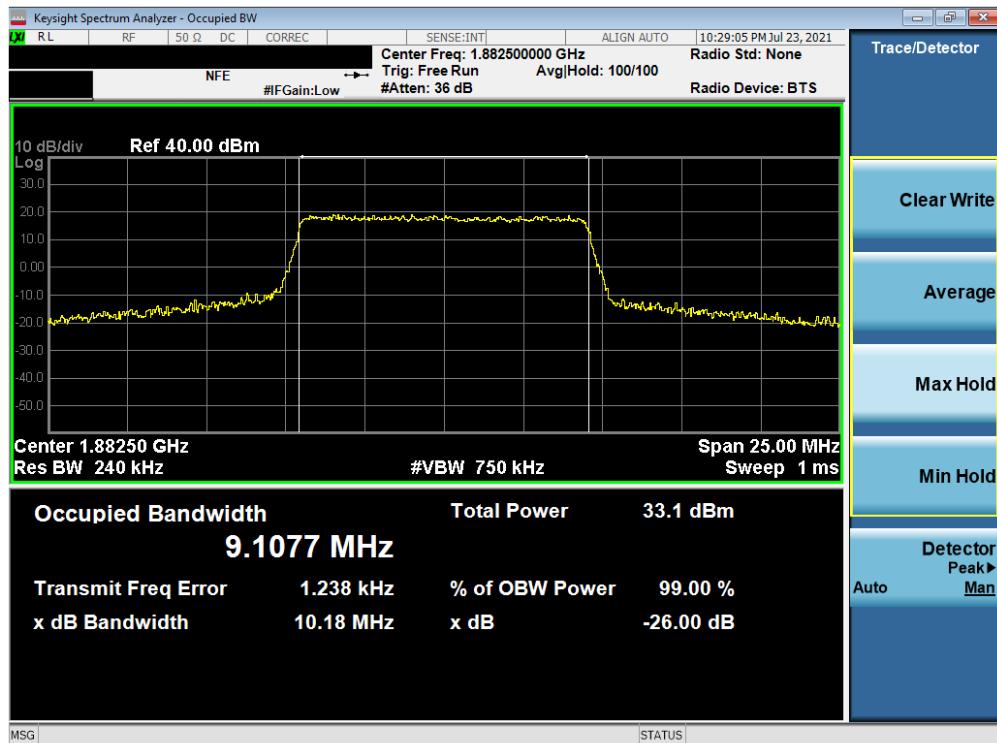


Plot 7-10. Occupied Bandwidth Plot (LTE Band 25/2 - 10MHz QPSK - Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 17 of 100

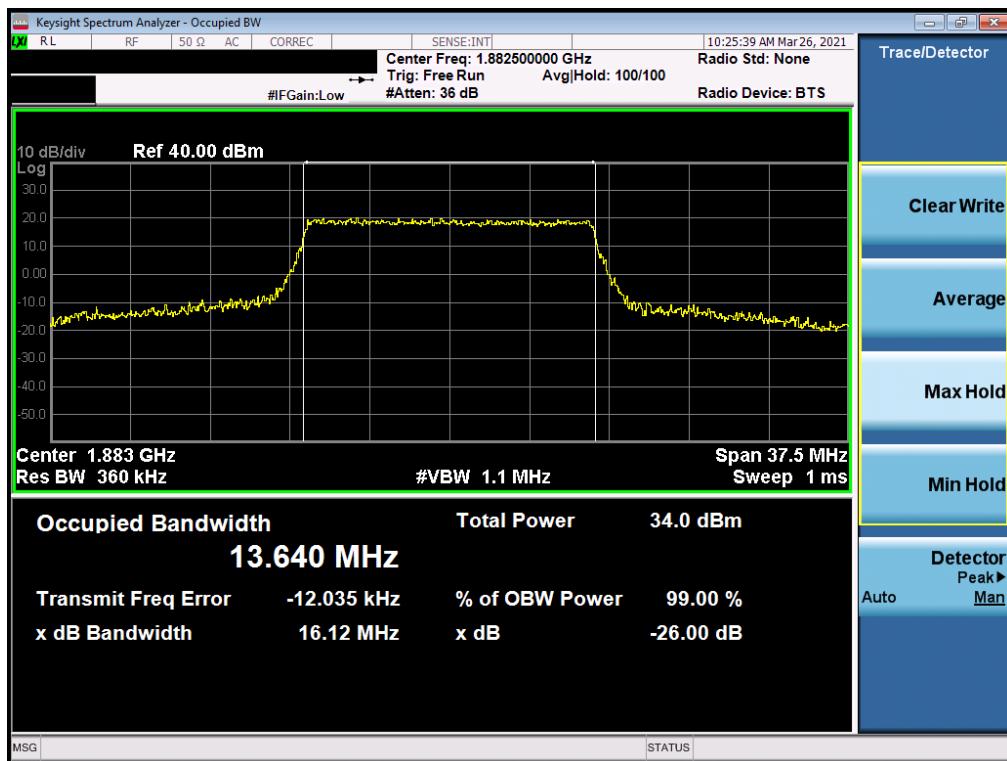


Plot 7-11. Occupied Bandwidth Plot (LTE Band 25/2 - 10MHz 16-QAM - Full RB Configuration)



Plot 7-12. Occupied Bandwidth Plot (LTE Band 25/2 - 10MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 18 of 100

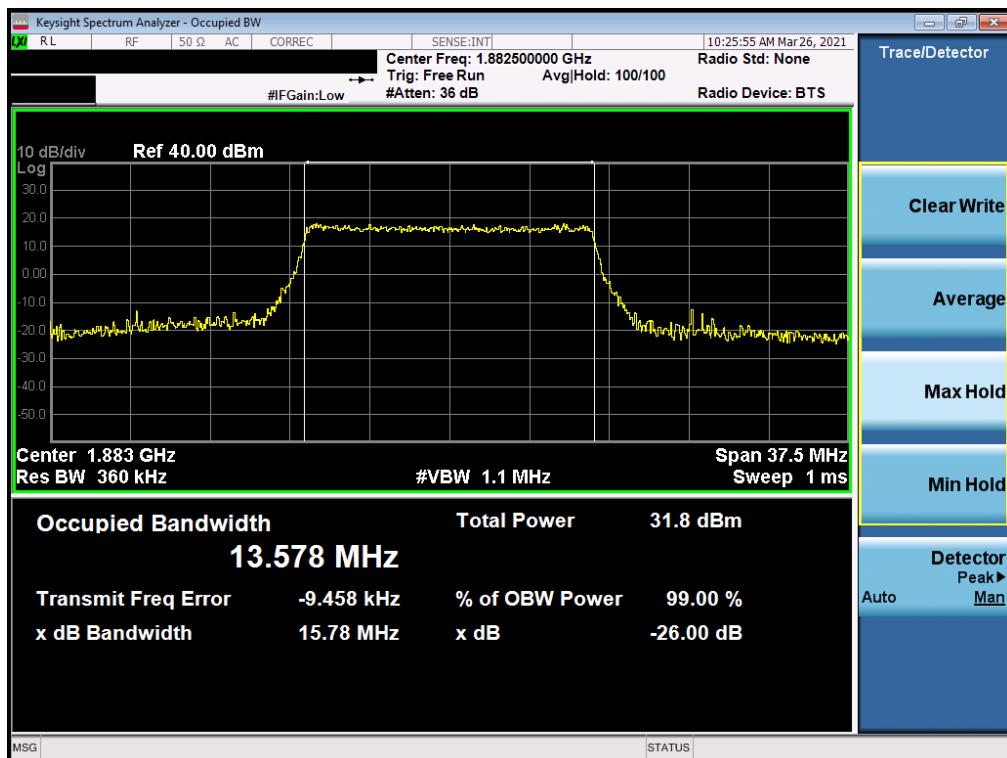


Plot 7-13. Occupied Bandwidth Plot (LTE Band 25/2 - 15MHz QPSK - Full RB Configuration)

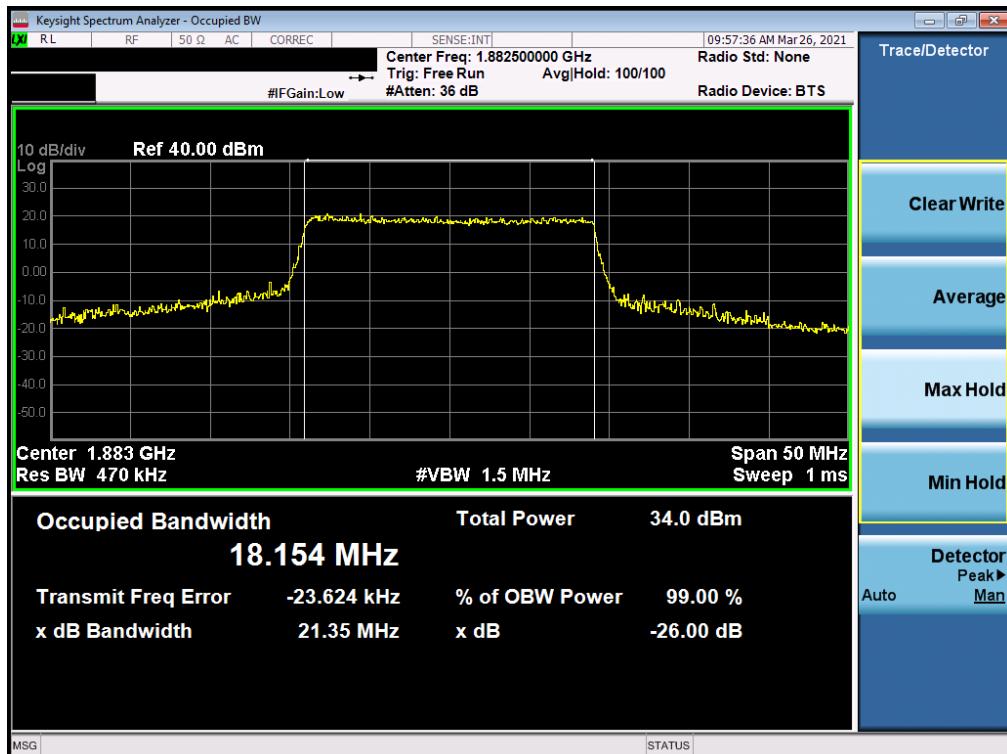


Plot 7-14. Occupied Bandwidth Plot (LTE Band 25/2 - 15MHz 16-QAM - Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 19 of 100

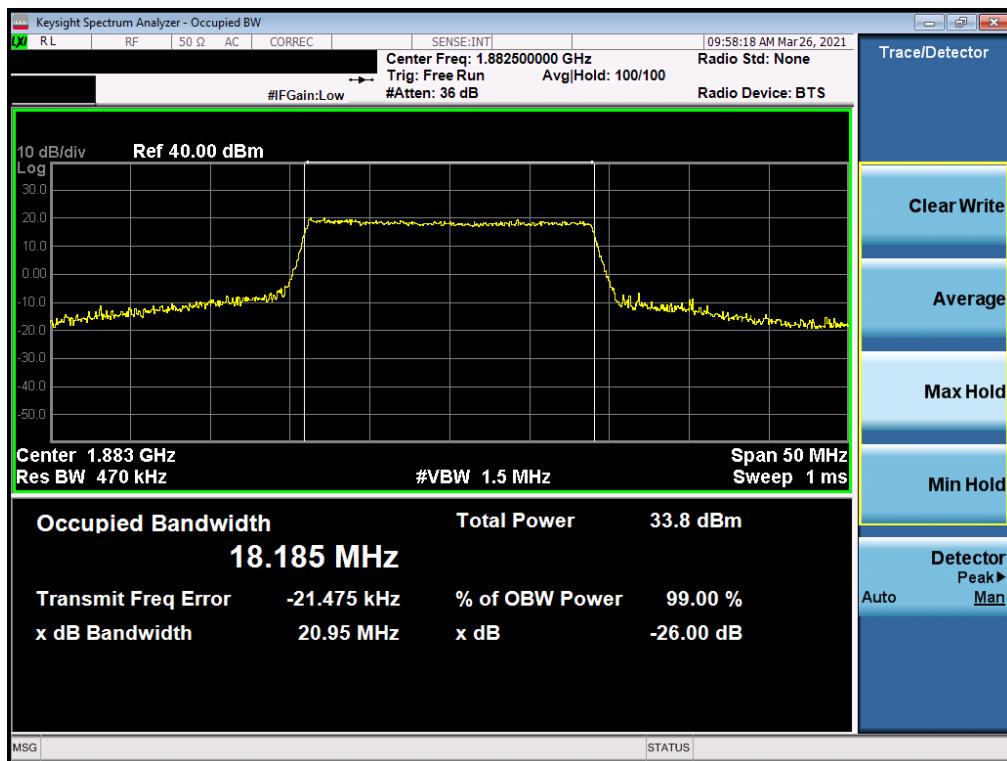


Plot 7-15. Occupied Bandwidth Plot (LTE Band 25/2 - 15MHz 64-QAM - Full RB Configuration)

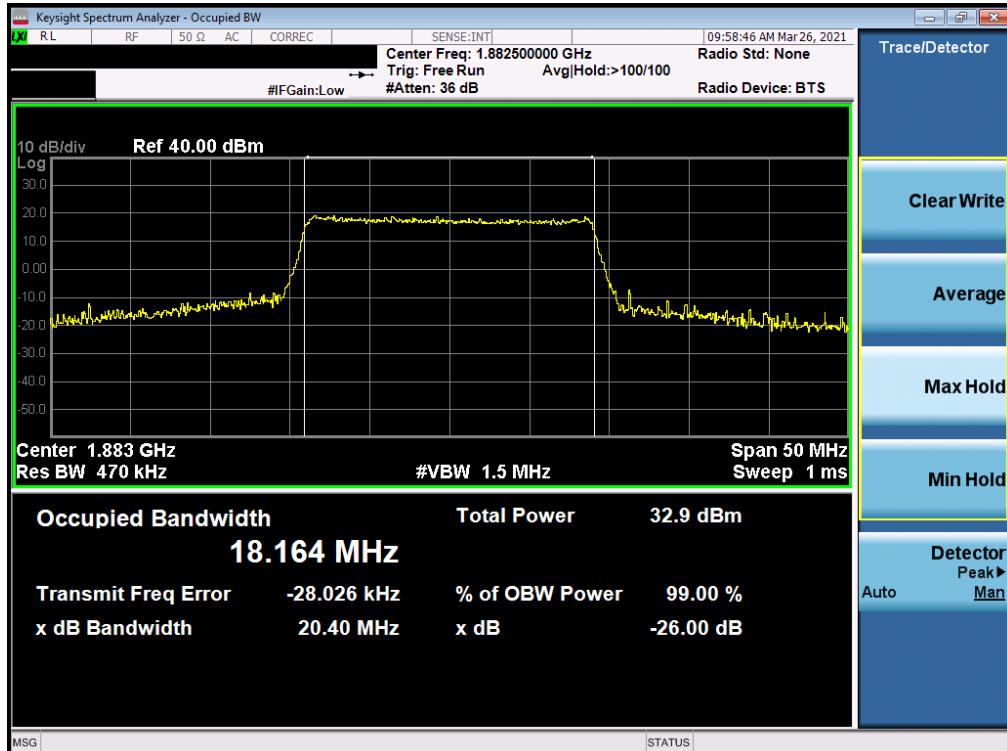


Plot 7-16. Occupied Bandwidth Plot (LTE Band 25/2 - 20MHz QPSK - Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 20 of 100



Plot 7-17. Occupied Bandwidth Plot (LTE Band 25/2 - 20MHz 16-QAM - Full RB Configuration)



Plot 7-18. Occupied Bandwidth Plot (LTE Band 25/2 - 20MHz 64-QAM - Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 21 of 100

WCDMA PCS



Plot 7-19. Occupied Bandwidth Plot (WCDMA, Ch. 9400)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 22 of 100

7.3 Spurious and Harmonic Emissions at Antenna Terminal

§2.1051, §24.238(a)

Test Overview

The level of the carrier 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 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. All ports were tested and only the worst case data were reported.

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{[Watts]})$, where P is the transmitter power in 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 20GHz (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.

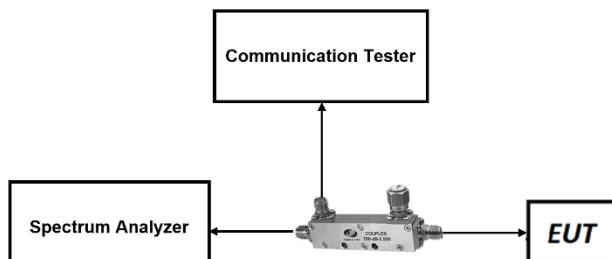


Figure 7-2. Test Instrument & Measurement Setup

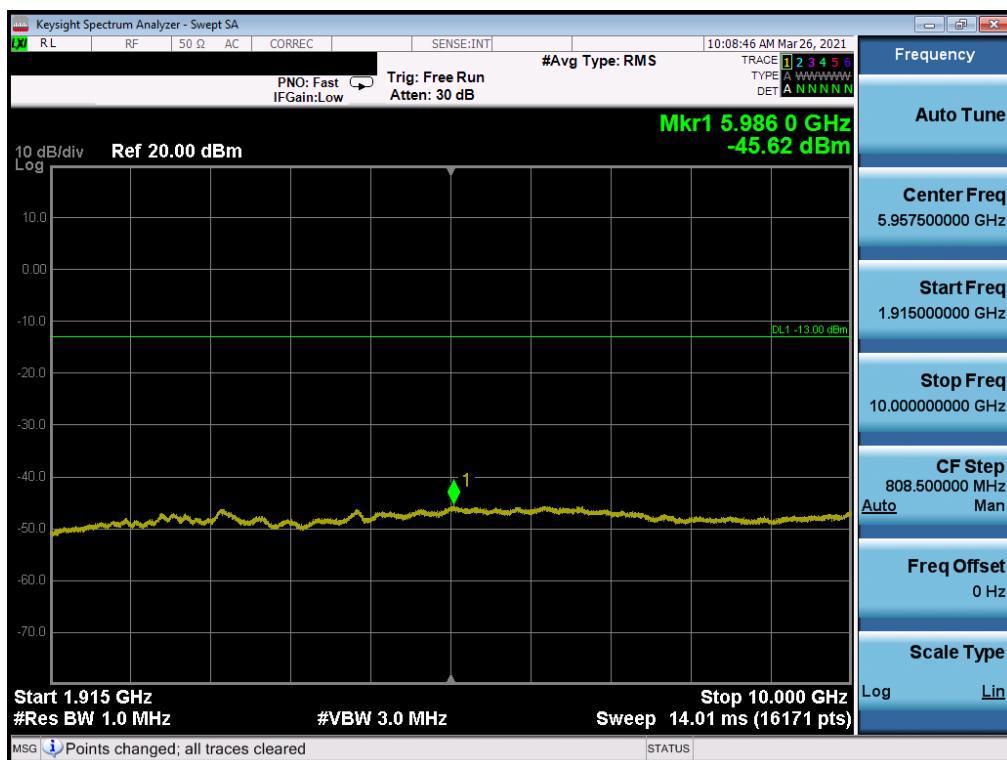
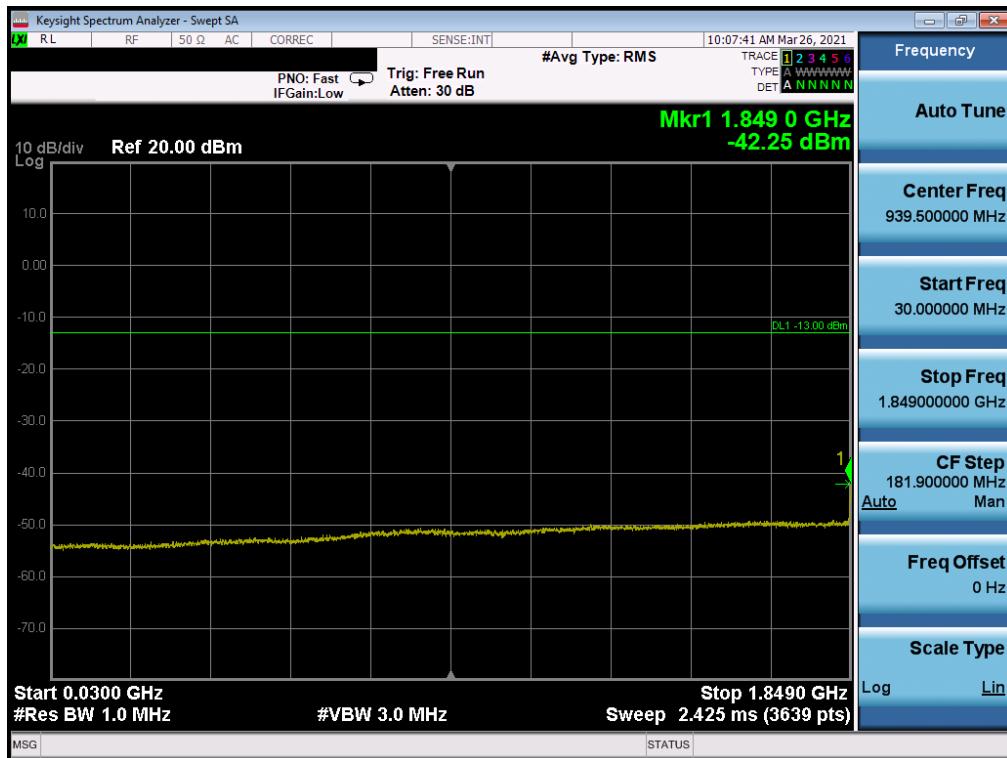
FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 23 of 100

Test Notes

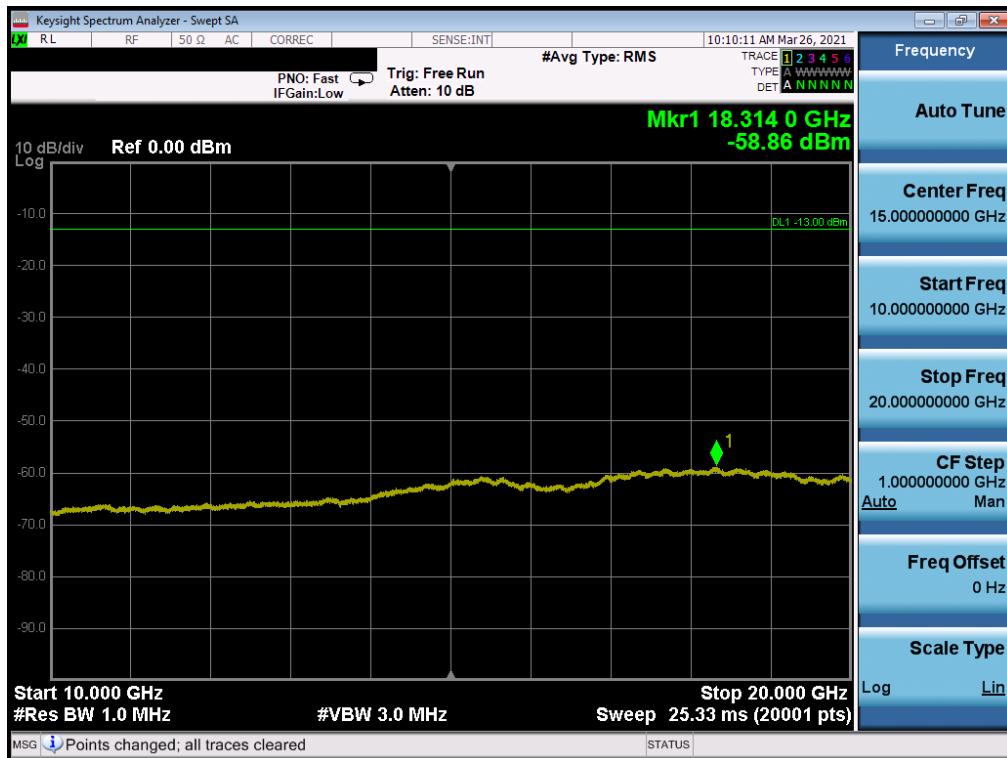
1. Per Part 24, compliance with the applicable limits is based on the use of measurement instrumentation employing a resolution bandwidth 100 kHz or greater for measurements below 1GHz. However, in the 1 MHz bands immediately outside and adjacent to the frequency block a resolution bandwidth of at least one percent of the emission bandwidth of the fundamental emission of the transmitter may be employed. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

FCC ID: BCGA2603	 PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 24 of 100

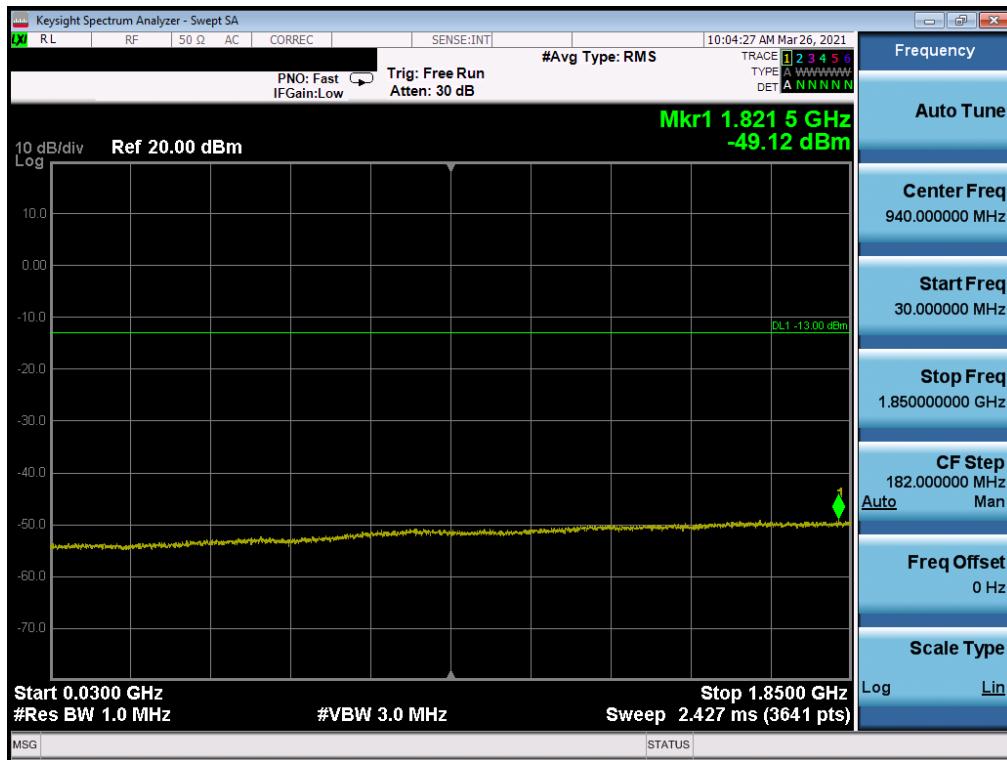
LTE Band 25/2



FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 25 of 100

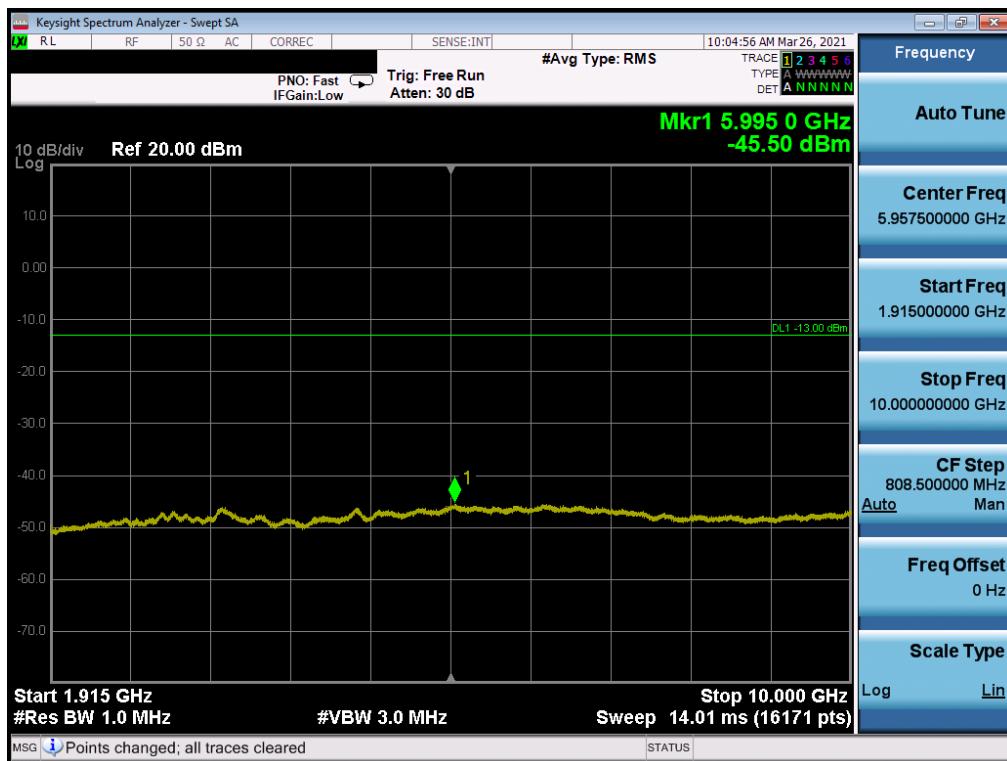


Plot 7-22. CSE (LTE Band 25/2 - 20MHz QPSK - RB Size 1, RB Offset 0 - Low Channel)

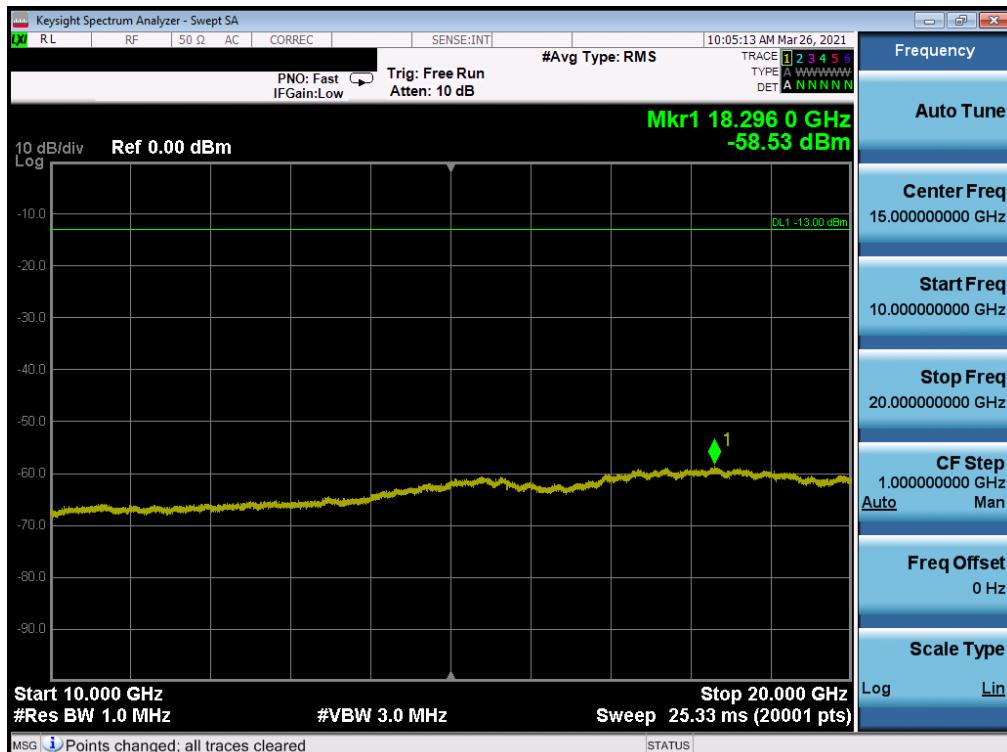


Plot 7-23. CSE (LTE Band 25/2 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 26 of 100



Plot 7-24. CSE (LTE Band 25/2 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

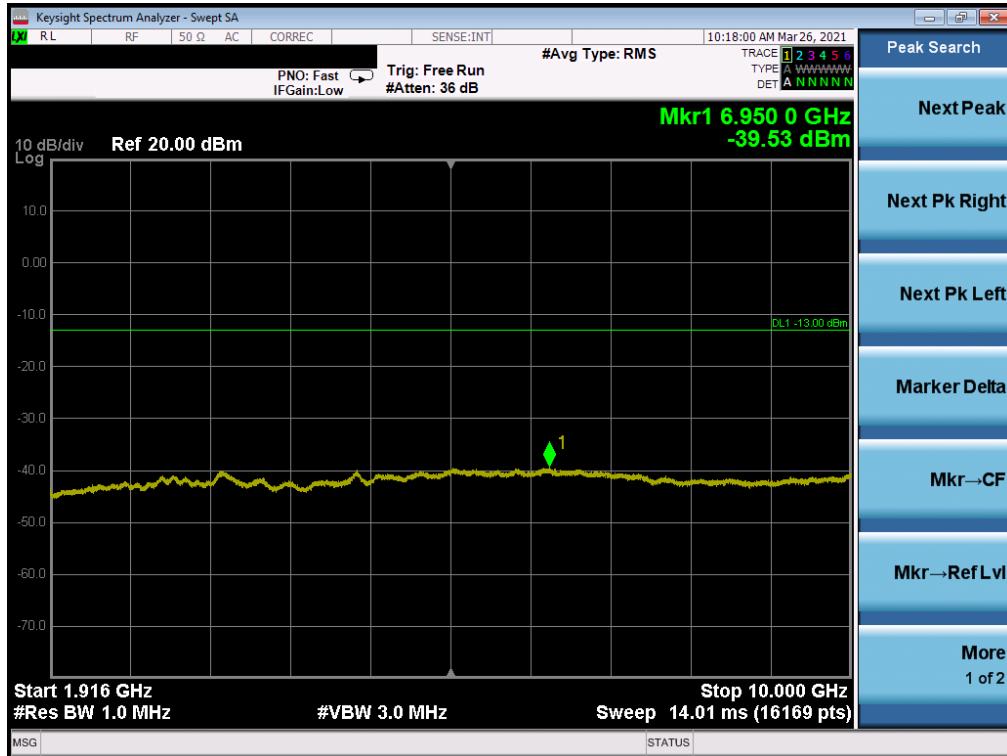


Plot 7-25. CSE (LTE Band 25/2 - 20MHz QPSK - RB Size 1, RB Offset 0 - Mid Channel)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 27 of 100



Plot 7-26. CSE (LTE Band 25/2 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)



Plot 7-27. CSE (LTE Band 25/2 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

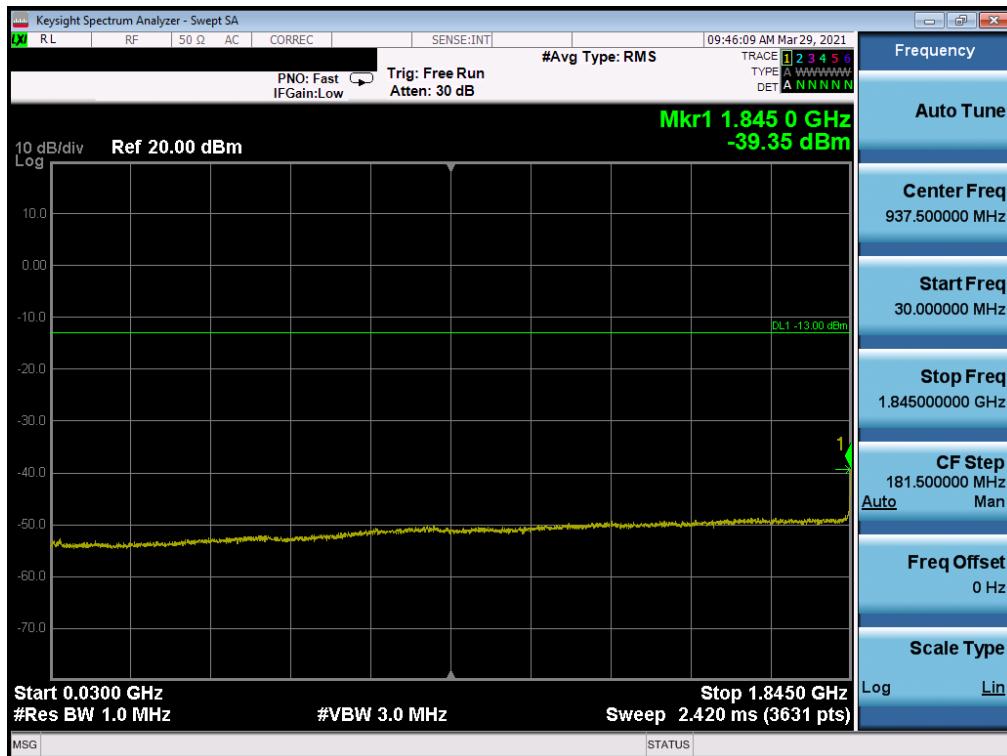
FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 28 of 100



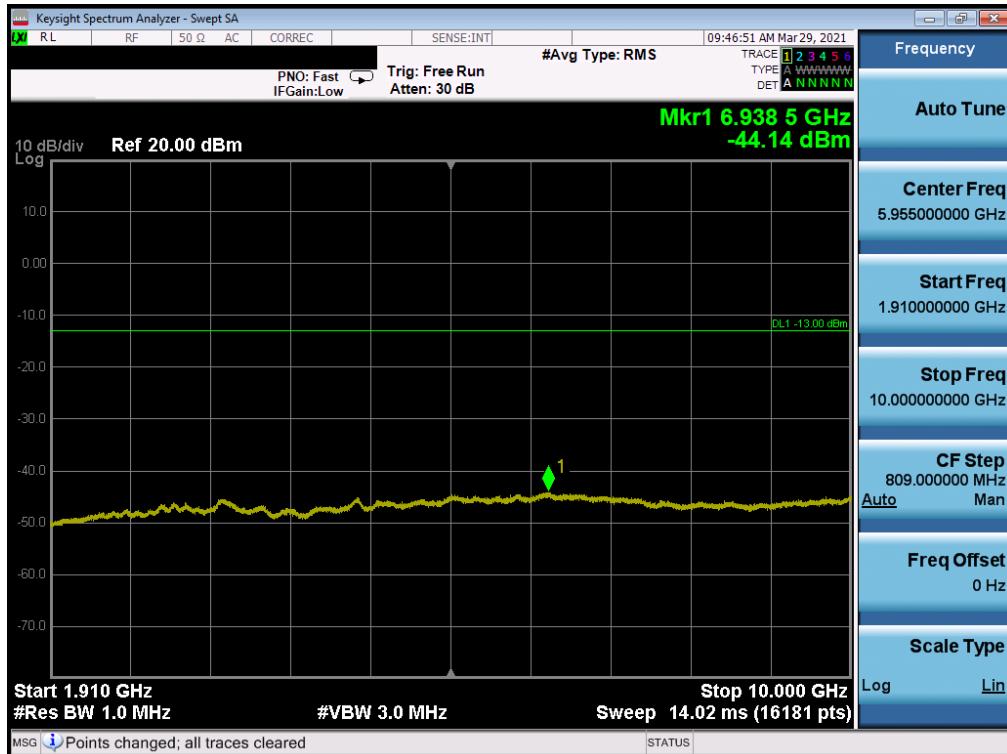
Plot 7-28. CSE (LTE Band 25/2 - 20MHz QPSK - RB Size 1, RB Offset 0 - High Channel)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 29 of 100

WCDMA PCS



Plot 7-29. CSE (WCDMA Ch. 9262)

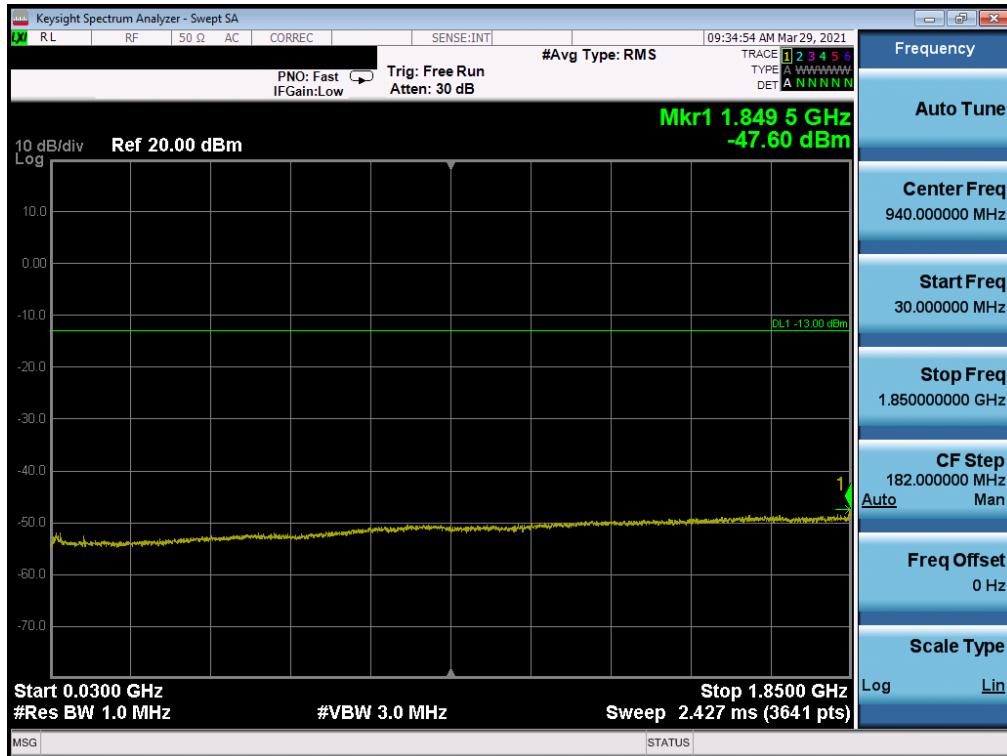


Plot 7-30. CSE (WCDMA Ch. 9262)

FCC ID: BCGA2603	 PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 30 of 100

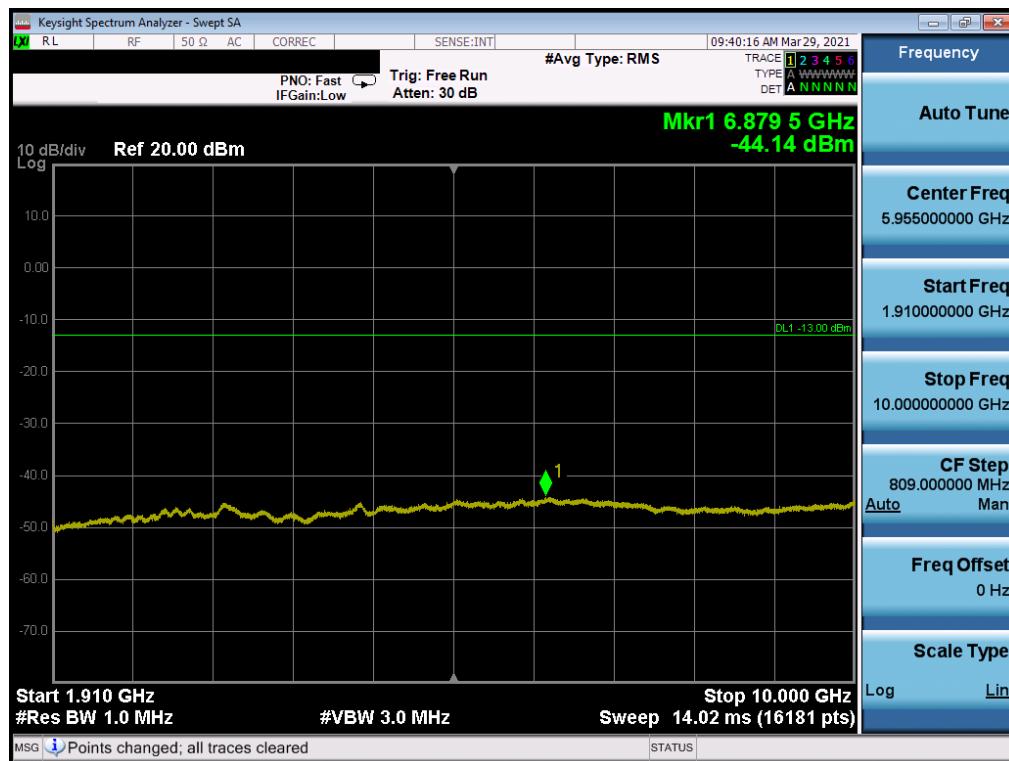


Plot 7-31. CSE (WCDMA Ch. 9262)

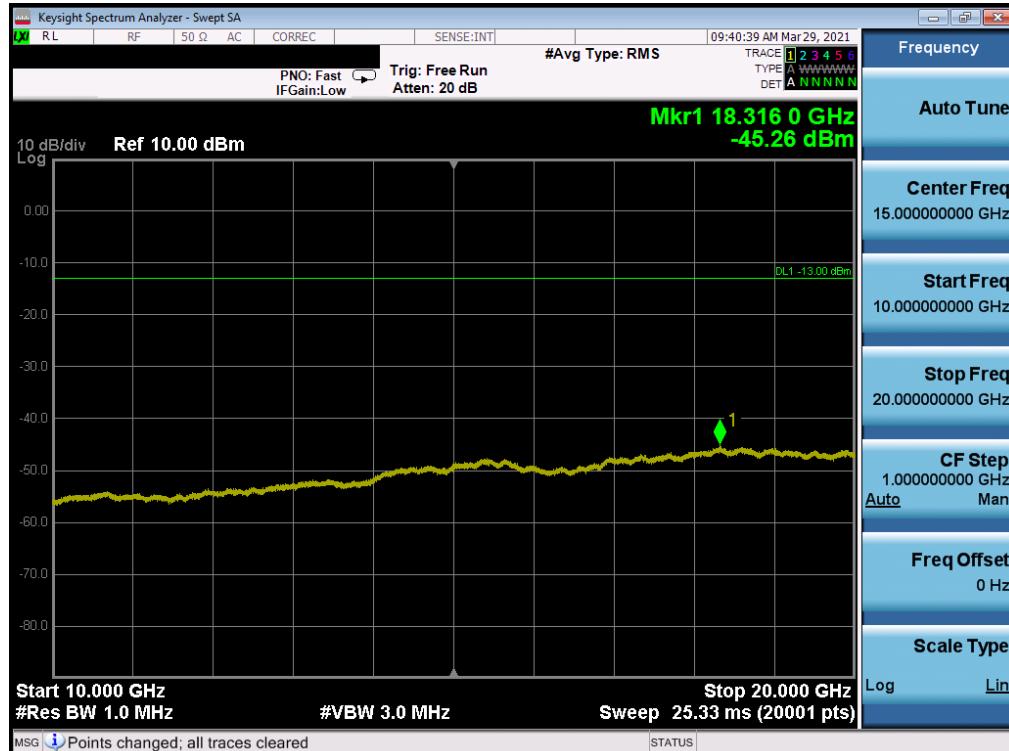


Plot 7-32. CSE (WCDMA Ch. 9400)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 31 of 100

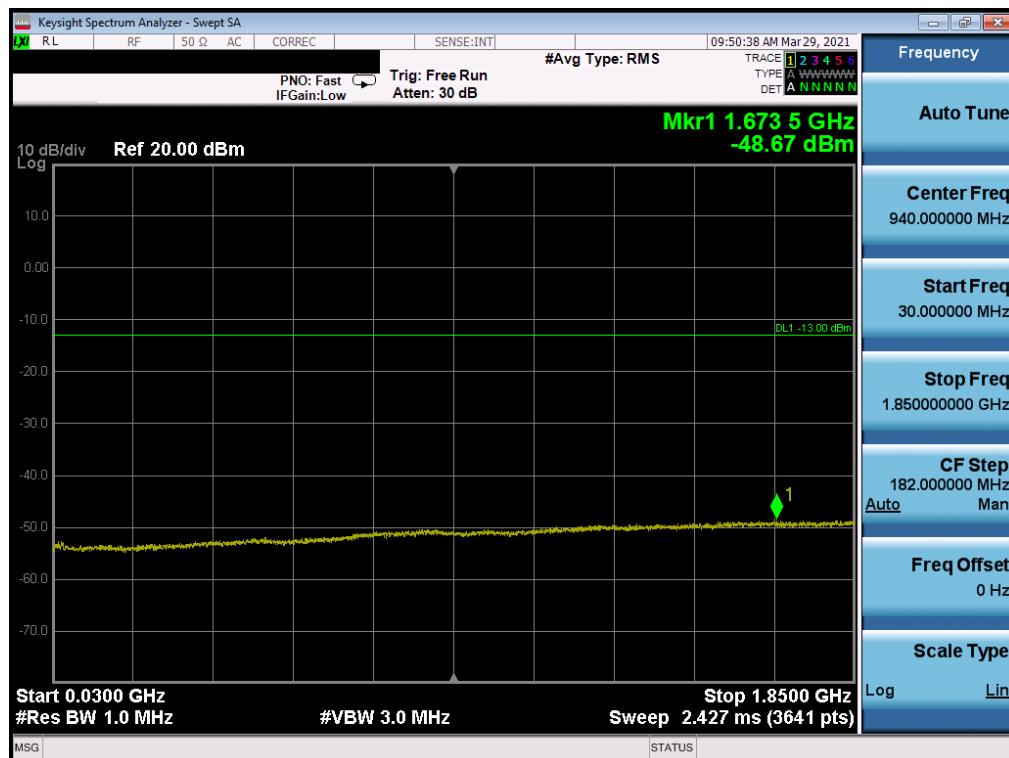


Plot 7-33. CSE (WCDMA Ch. 9400)

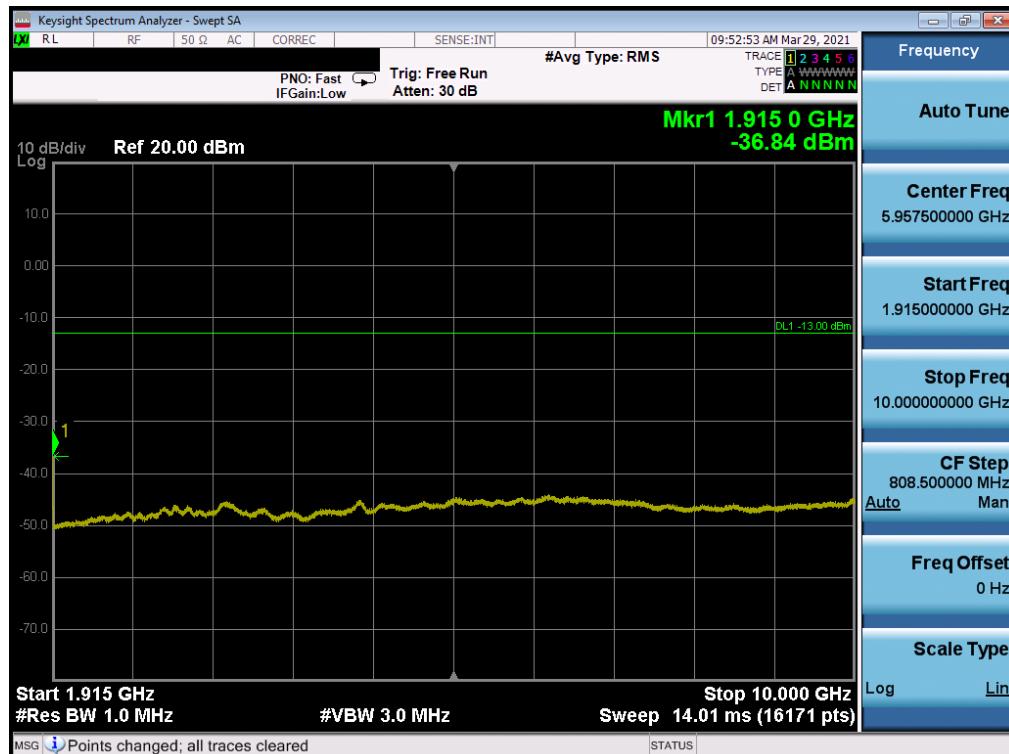


Plot 7-34. CSE (WCDMA Ch. 9400)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 32 of 100

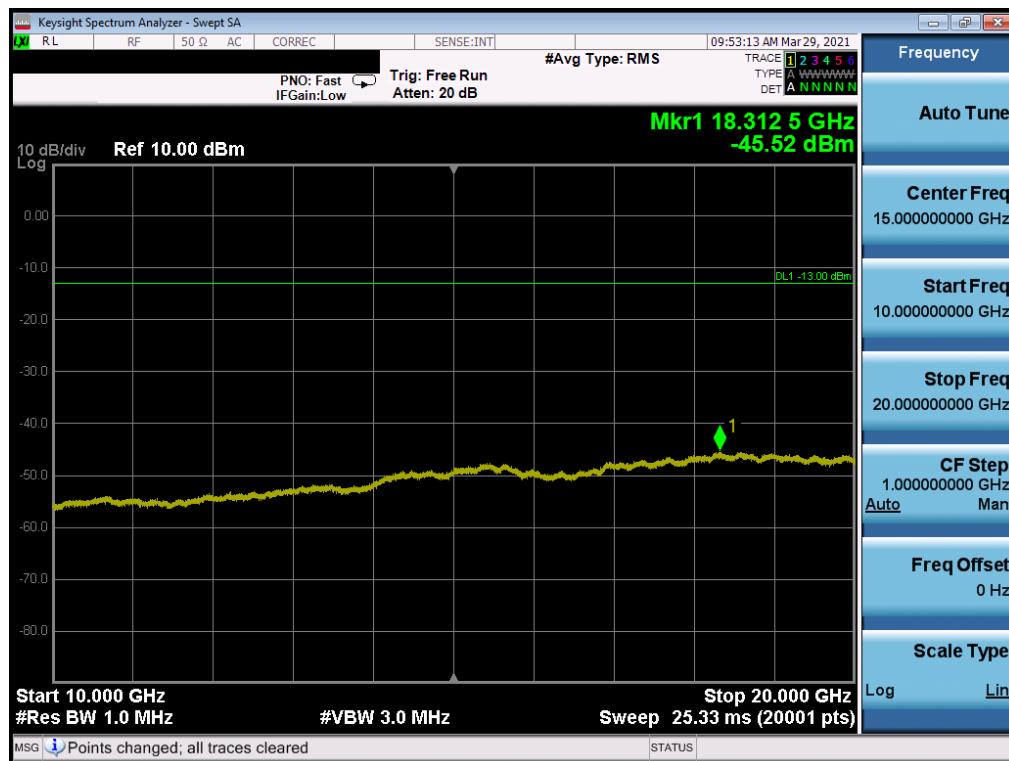


Plot 7-35. CSE (WCDMA Ch. 9538)



Plot 7-36. CSE (WCDMA Ch. 9538)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 33 of 100



Plot 7-37. CSE (WCDMA Ch. 9538)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 34 of 100

7.4 Band Edge Emissions at Antenna Terminal

§2.1051, §24.238(a)

Test Overview

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

The minimum permissible attenuation level of any spurious emission is $43 + 10 \log_{10}(P_{\text{Watts}})$, where P is the transmitter power in Watts.

Test Procedure Used

KDB 971168 D01 v03r01 – Section 6.0

Test Settings

1. Start and stop frequency were set such that the band edge would be placed in the center of the plot
2. Span was set large enough so as to capture all out of band emissions near the band edge
3. RBW \geq 1% of the emission bandwidth
4. VBW \geq 3 x RBW
5. Detector = RMS
6. Number of sweep points \geq 2 x Span/RBW
7. Trace mode = trace average for continuous emissions, max hold for pulse emissions
8. Sweep time = auto couple
9. The trace was allowed to stabilize

Test Setup

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

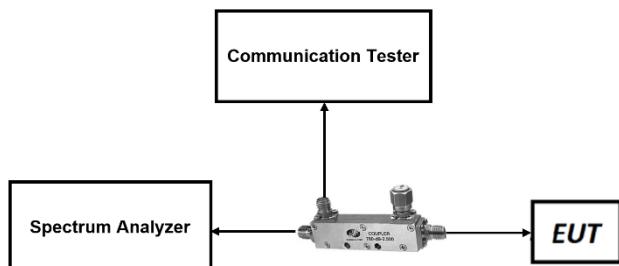


Figure 7-3. Test Instrument & Measurement Setup

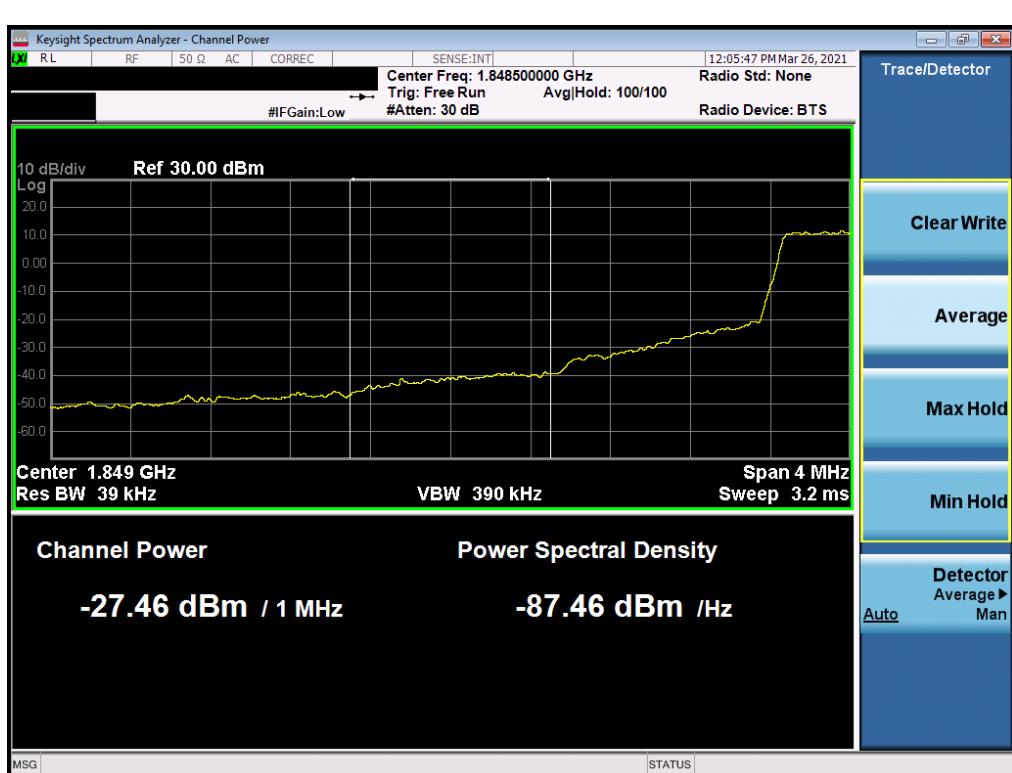
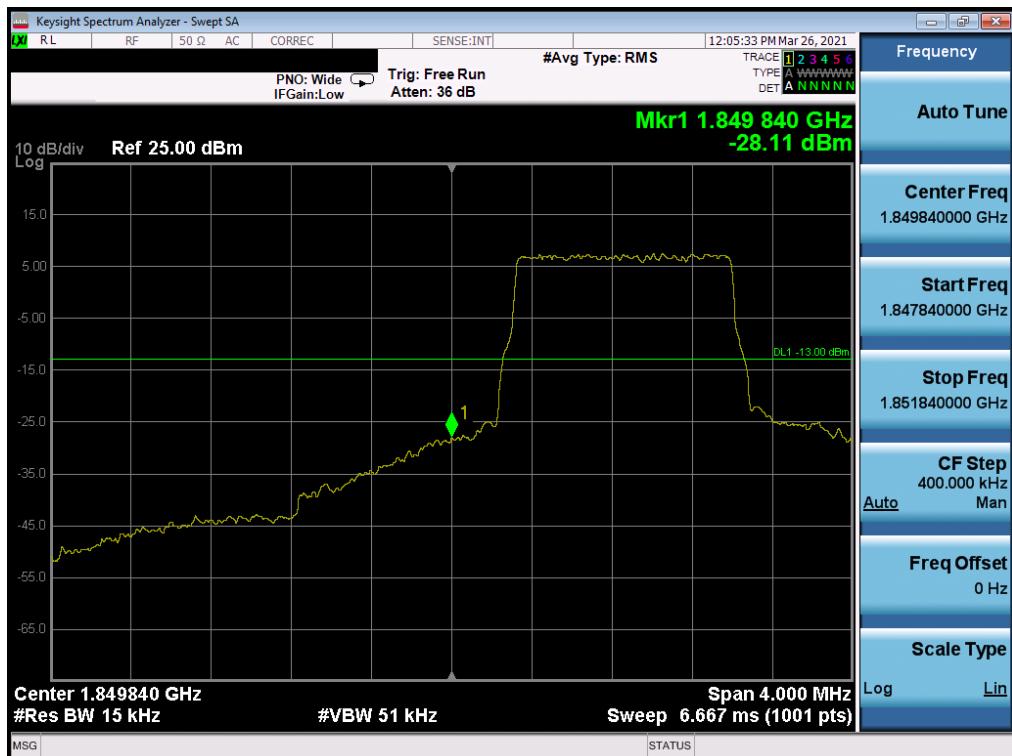
FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT		Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device	Page 35 of 100

Test Notes

1. Per 24.238(a), 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 to demonstrate compliance with the out-of-band emissions limit. The emission bandwidth is defined as the width of the signal between two points, one below the carrier center frequency and one above the carrier center frequency, outside of which all emission are attenuated at least 26 dB below the transmitter power.

FCC ID: BCGA2603	 PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 36 of 100

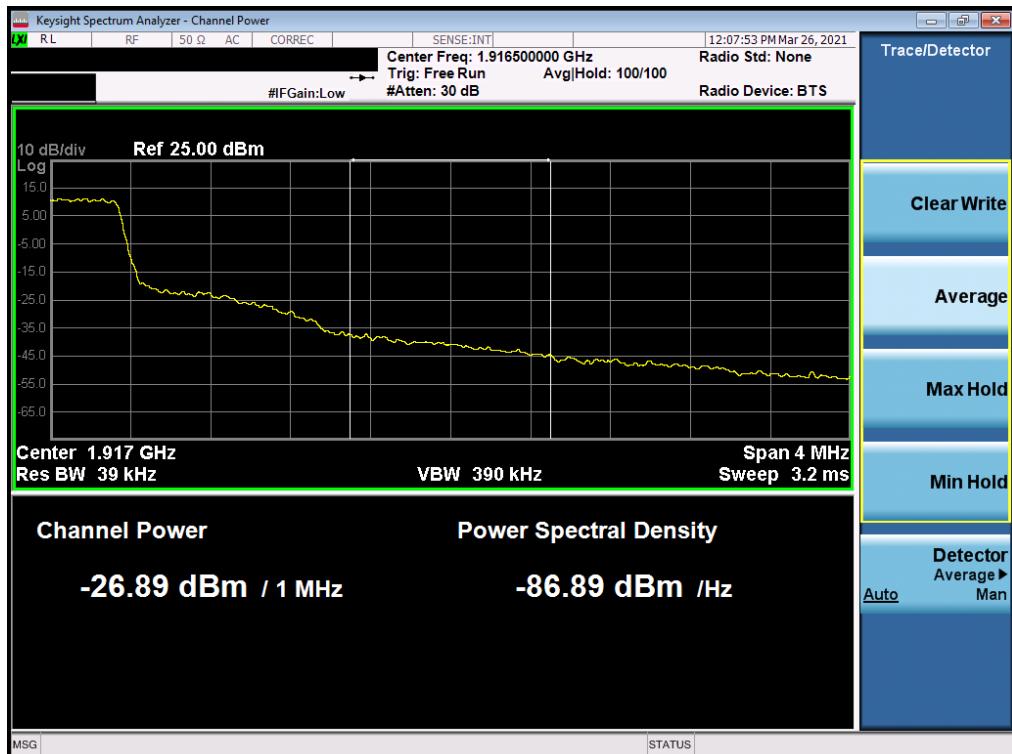
LTE Band 25



FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 37 of 100

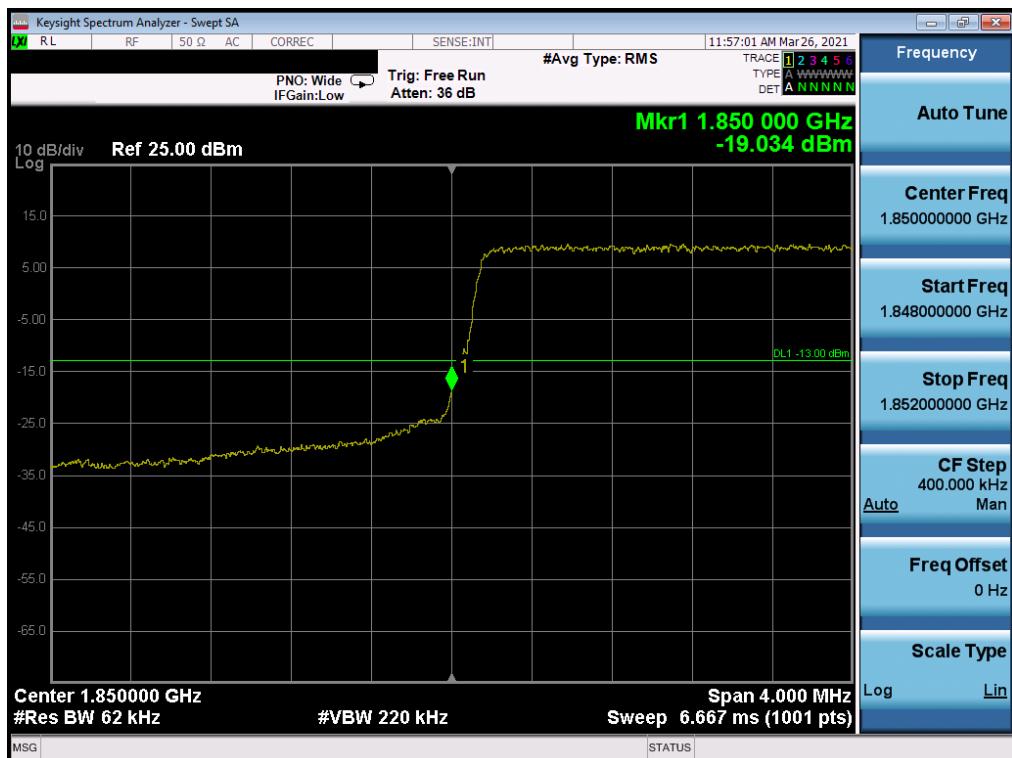


Plot 7-40. Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB Configuration)

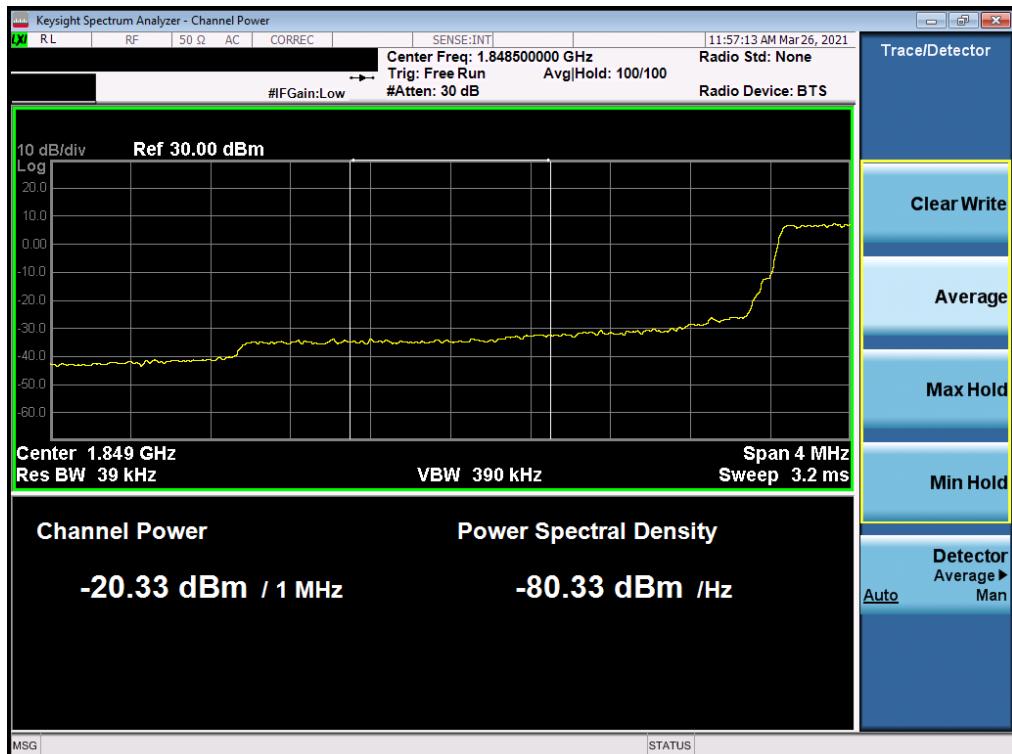


Plot 7-41. Extended Upper Band Edge Plot (LTE Band 25 – 1.4MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 38 of 100

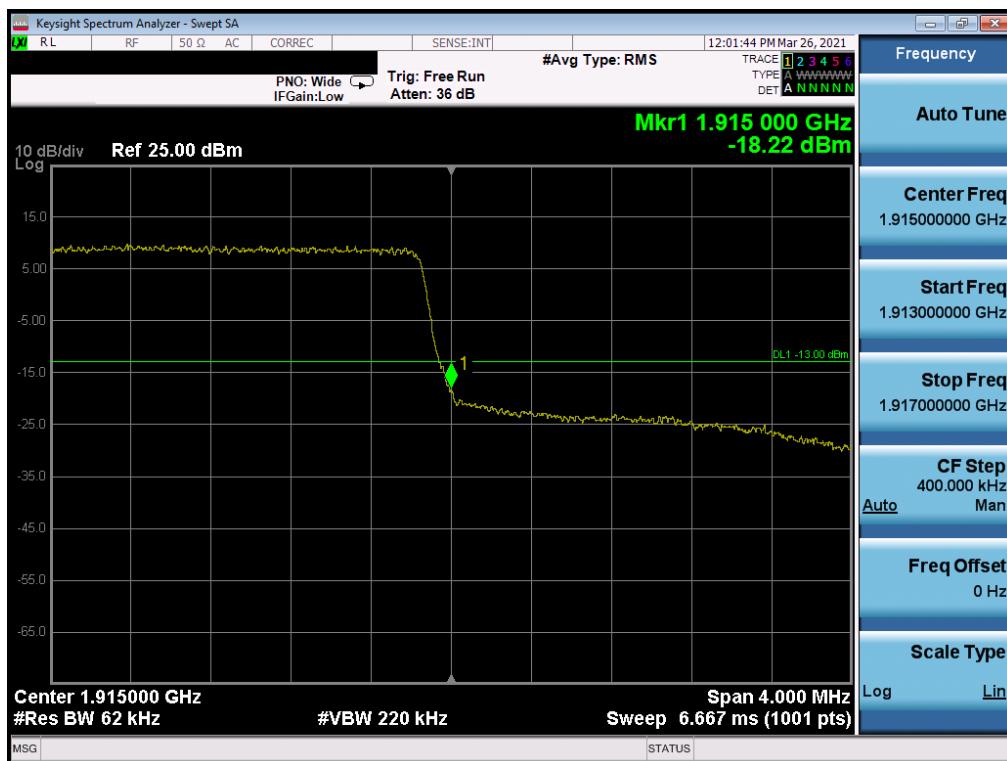


Plot 7-42. Lower Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB Configuration)

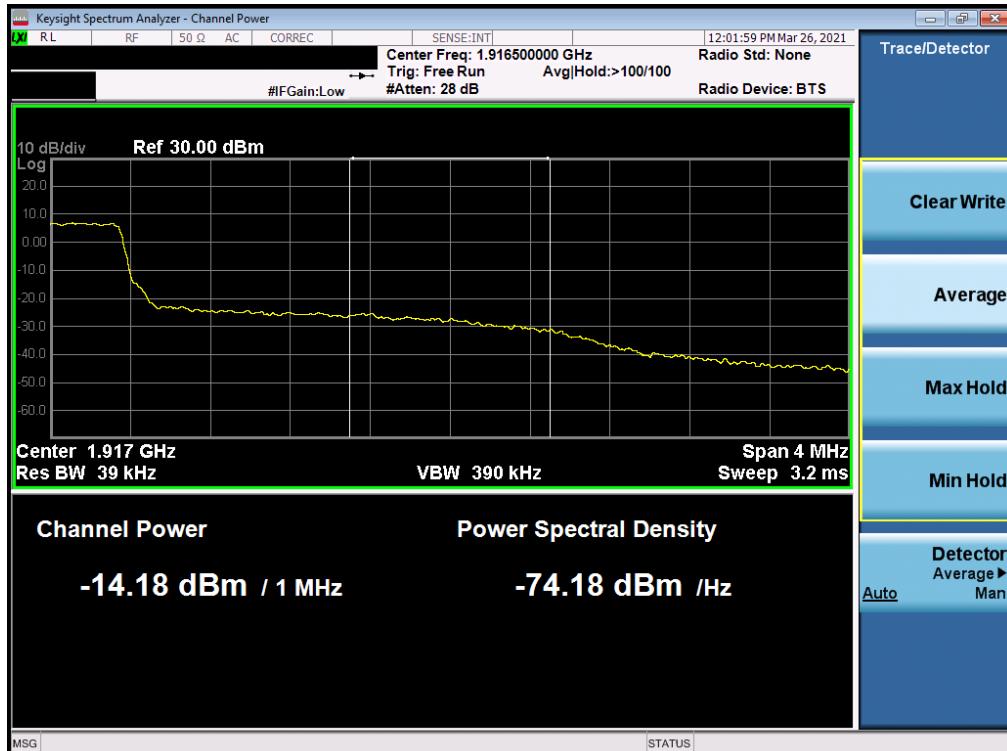


Plot 7-43. Extended Lower Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 39 of 100

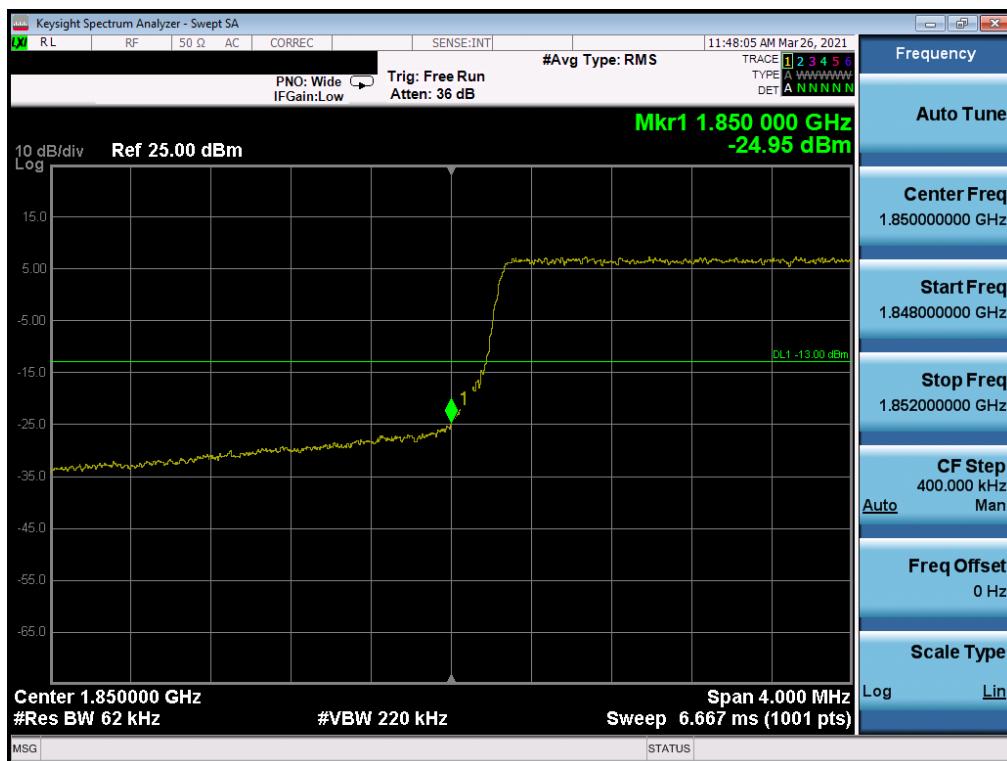


Plot 7-44. Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB Configuration)

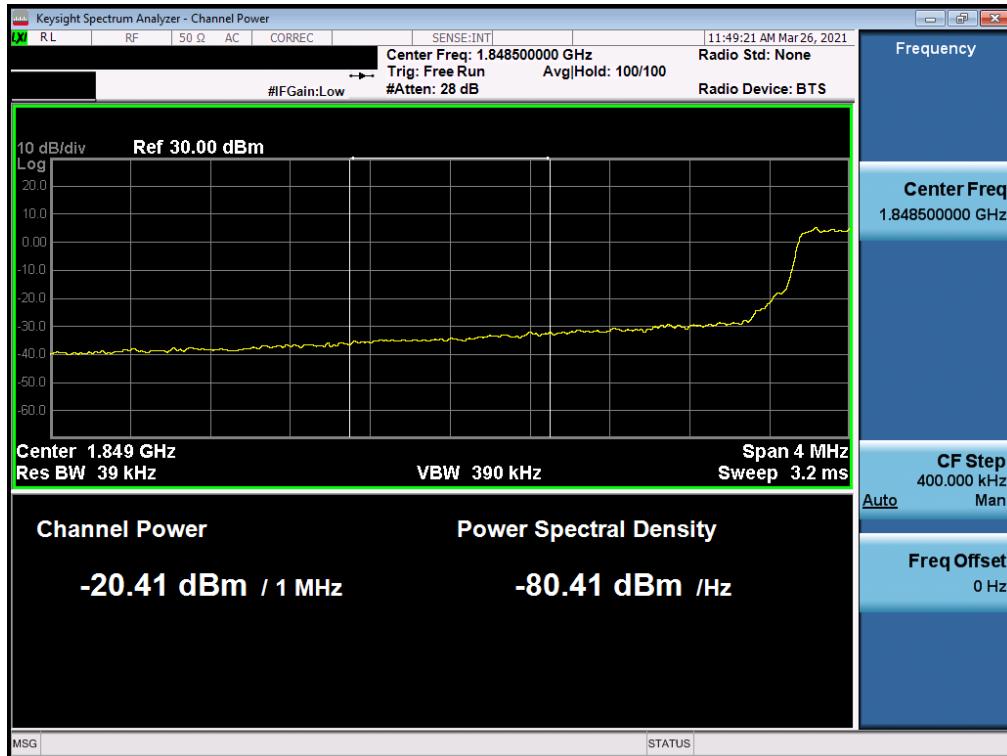


Plot 7-45. Extended Upper Band Edge Plot (LTE Band 25 - 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 40 of 100

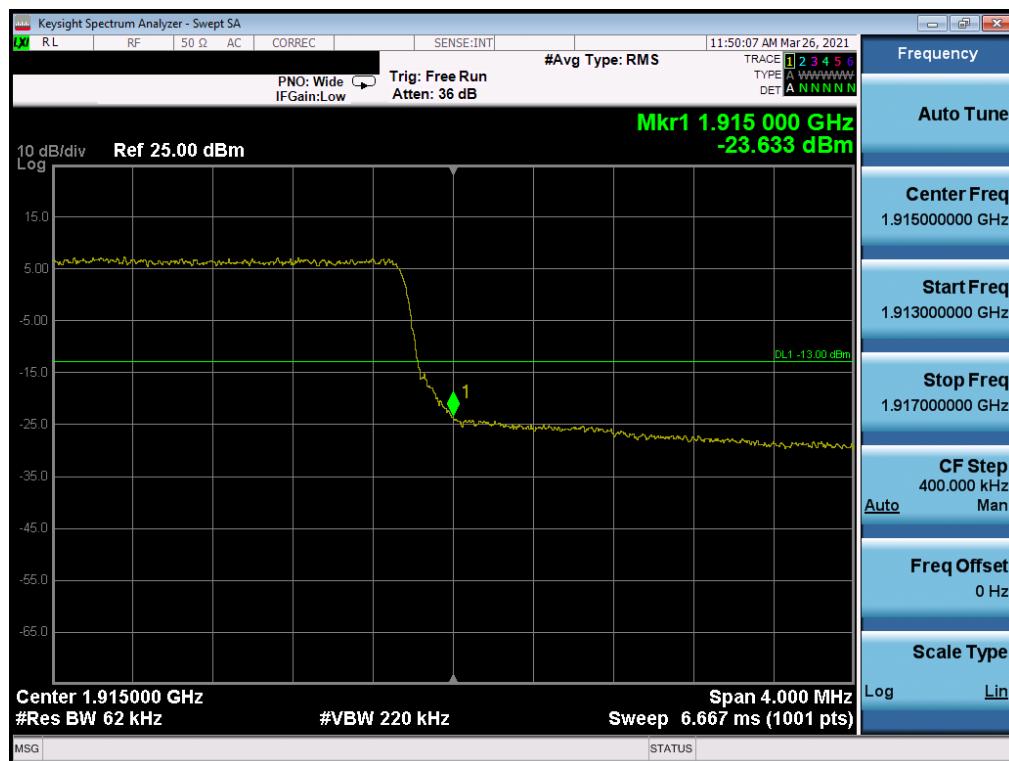


Plot 7-46. Lower Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB Configuration)

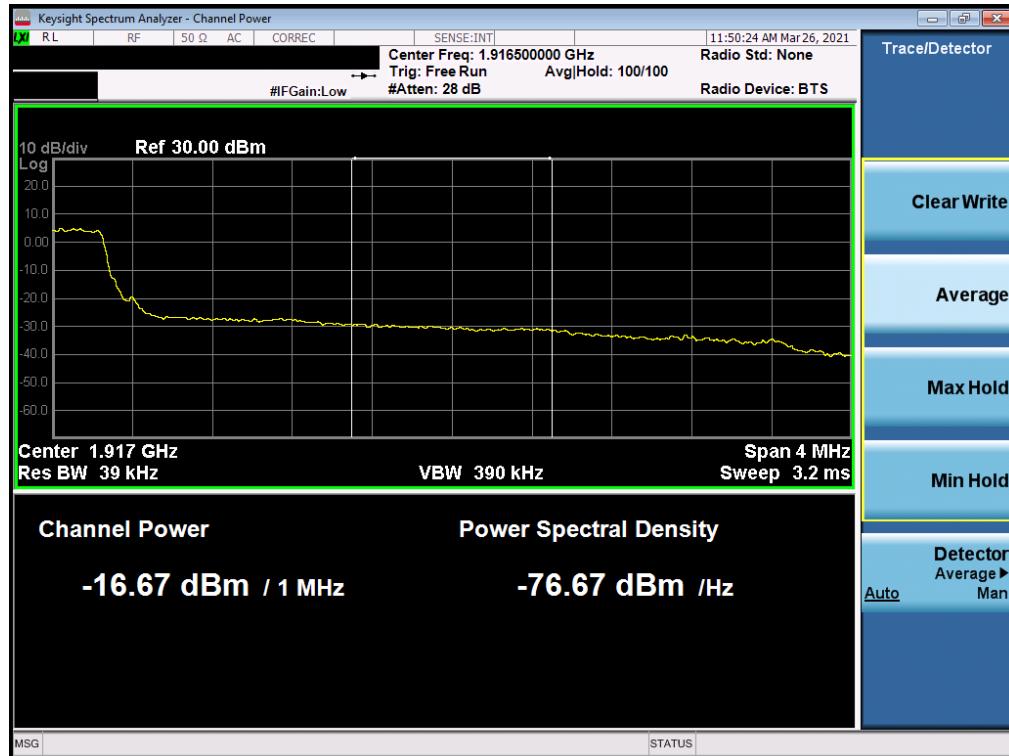


Plot 7-47. Extended Lower Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 41 of 100

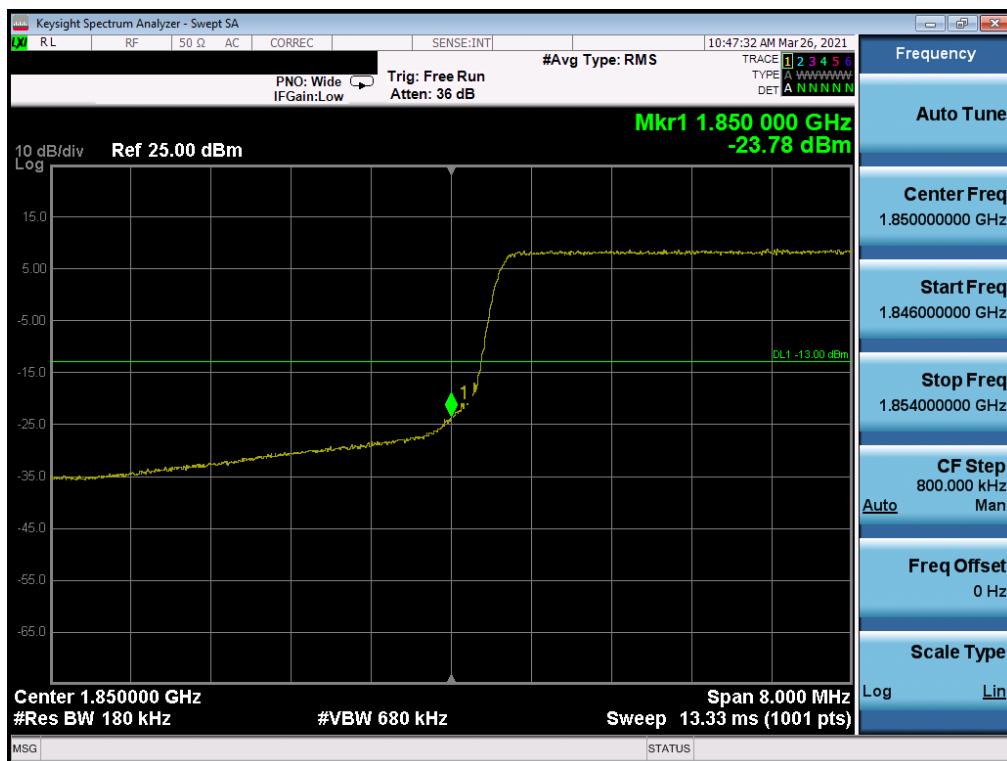


Plot 7-48. Upper Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB Configuration)

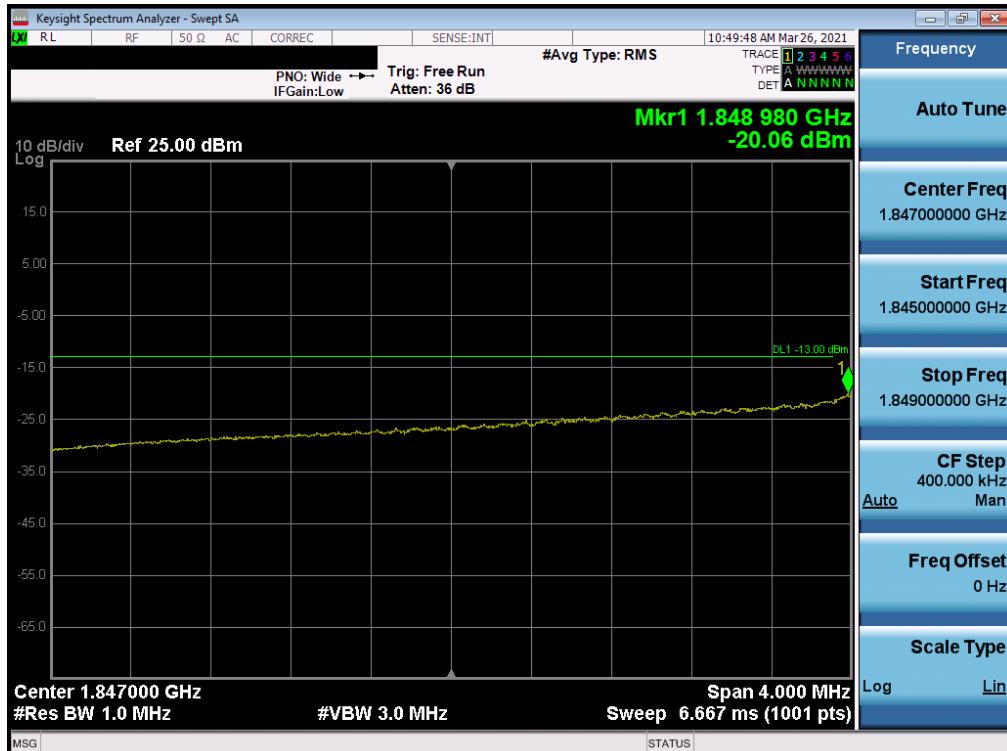


Plot 7-49. Extended Upper Band Edge Plot (LTE Band 25 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 42 of 100



Plot 7-50. Lower Band Edge Plot (LTE Band 25 - 10MHz QPSK – Full RB Configuration)

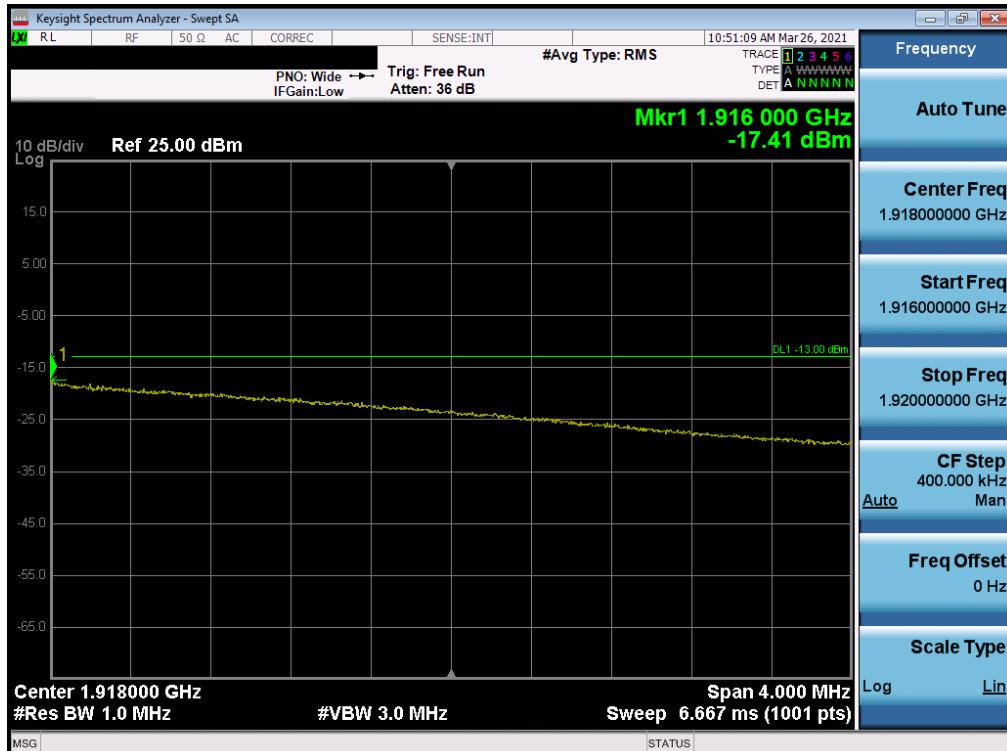


Plot 7-51. Extended Lower Band Edge Plot (LTE Band 25- 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 43 of 100

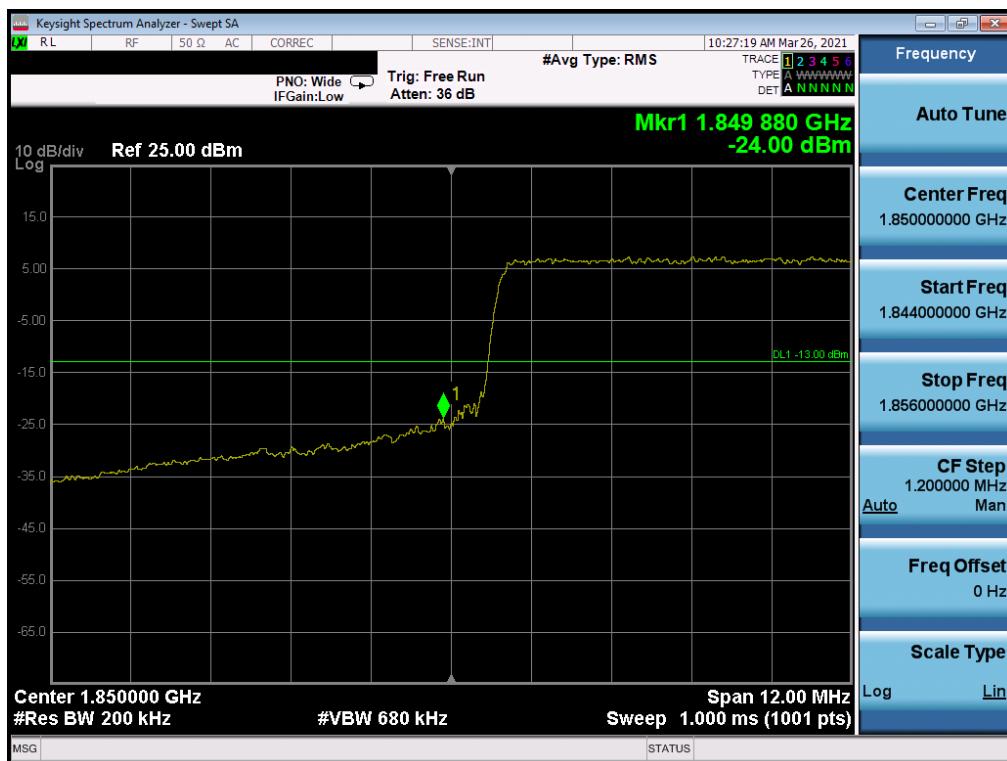


Plot 7-52. Upper Band Edge Plot (LTE Band 25 - 10MHz QPSK – Full RB Configuration)

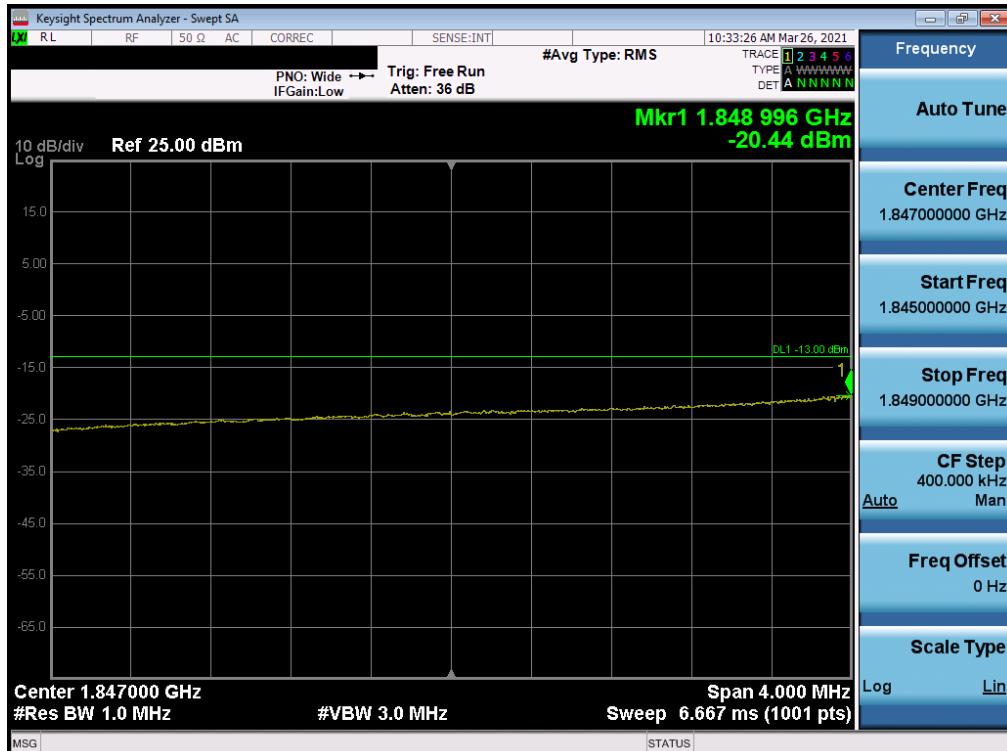


Plot 7-53. Extended Upper Band Edge Plot (LTE Band 25 - 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 44 of 100



Plot 7-54. Lower Band Edge Plot (LTE Band 25 - 15MHz QPSK – Full RB Configuration)



Plot 7-55. Extended Lower Band Edge Plot (LTE Band 25 - 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 45 of 100

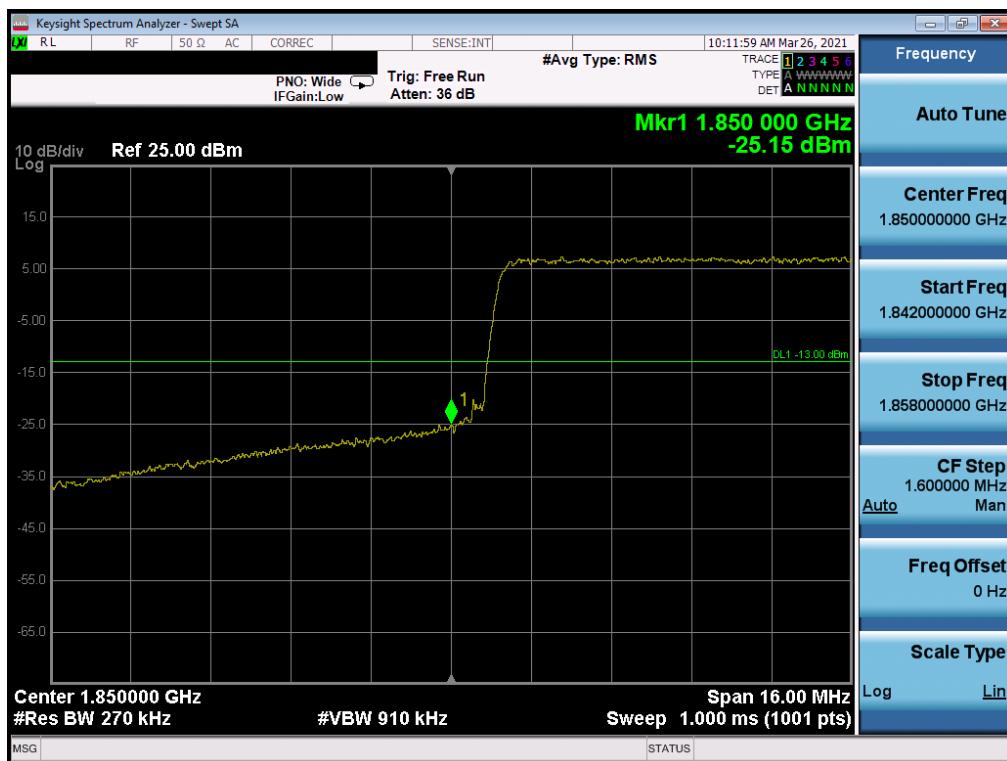


Plot 7-56. Upper Band Edge Plot (LTE Band 25 - 15MHz QPSK – Full RB Configuration)

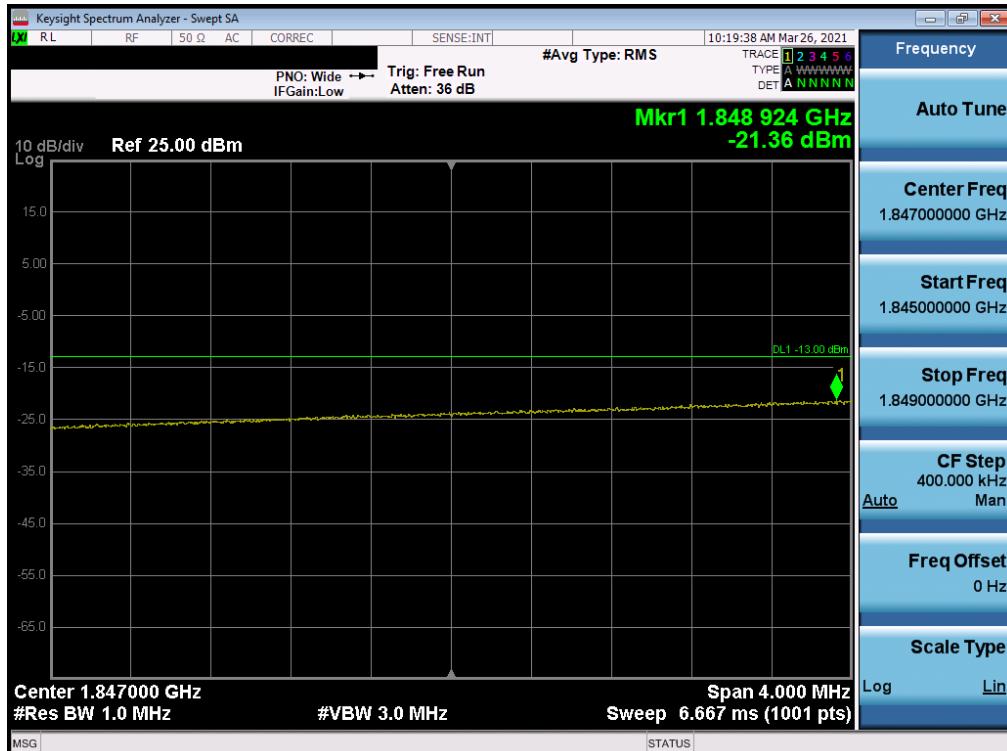


Plot 7-57. Extended Upper Band Edge Plot (LTE Band 25 - 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 46 of 100



Plot 7-58. Lower Band Edge Plot (LTE Band 25 - 20MHz QPSK – Full RB Configuration)



Plot 7-59. Extended Lower Band Edge Plot (LTE Band 25 - 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 47 of 100



Plot 7-60. Upper Band Edge Plot (LTE Band 25 - 20MHz QPSK – Full RB Configuration)



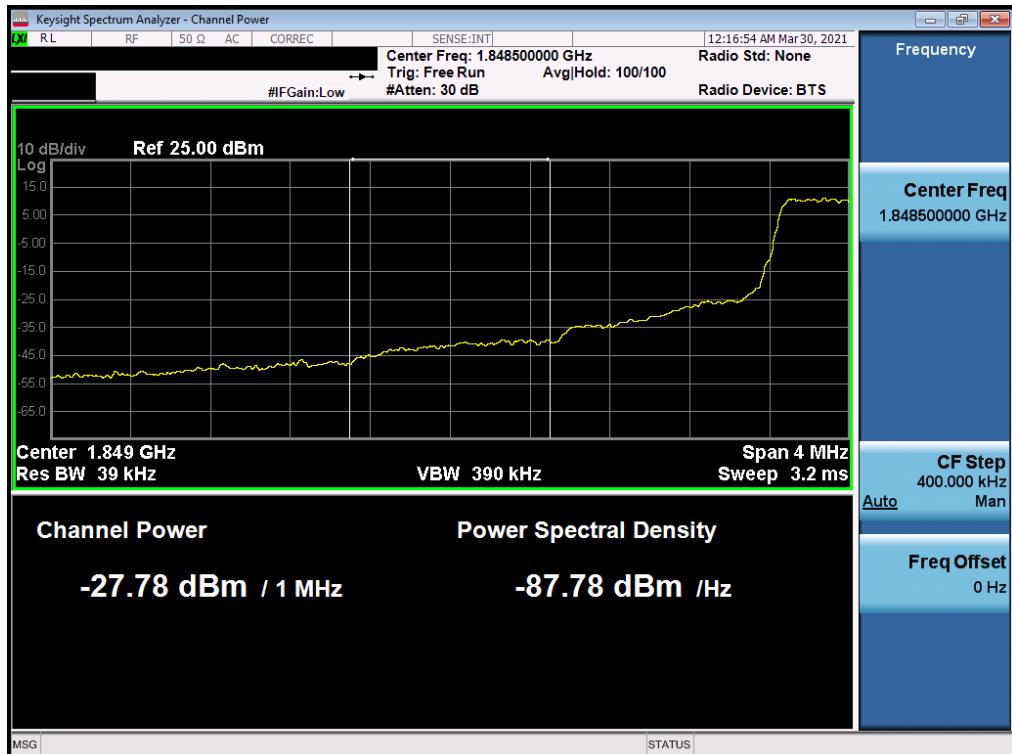
Plot 7-61. Extended Upper Band Edge Plot (LTE Band 25 - 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 48 of 100

LTE Band 2



Plot 7-62. Lower Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB Configuration)

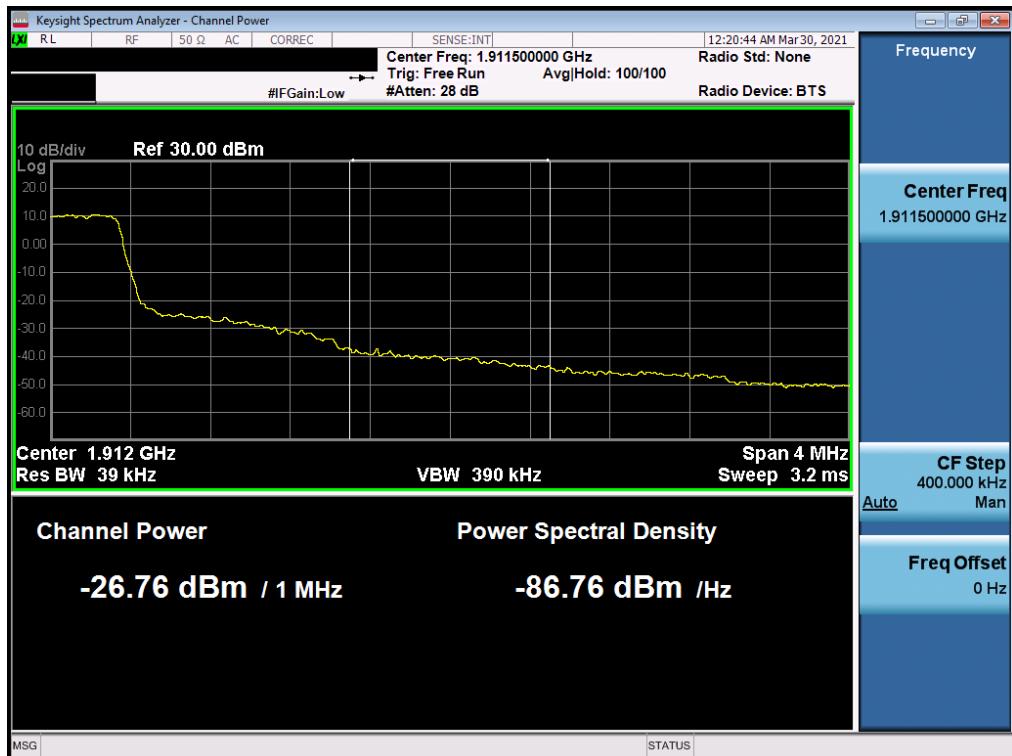


Plot 7-63. Extended Lower Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	 PCTEST Proud to be part of 		PART 24 MEASUREMENT REPORT	Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 49 of 100

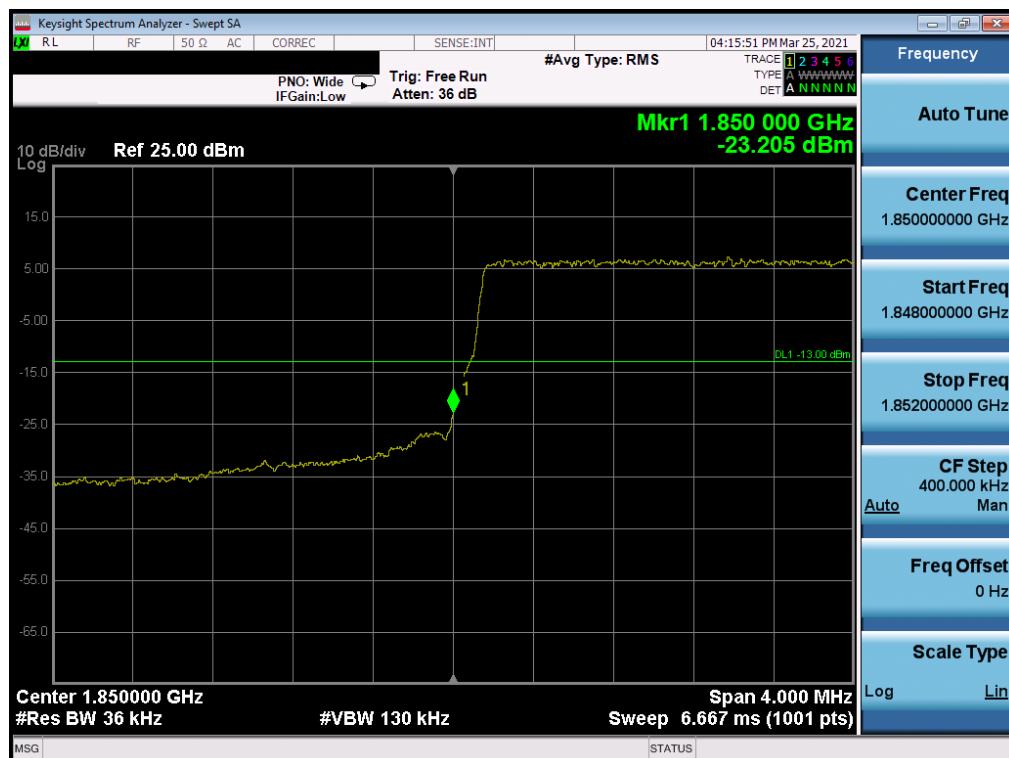


Plot 7-64. Upper Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB Configuration)

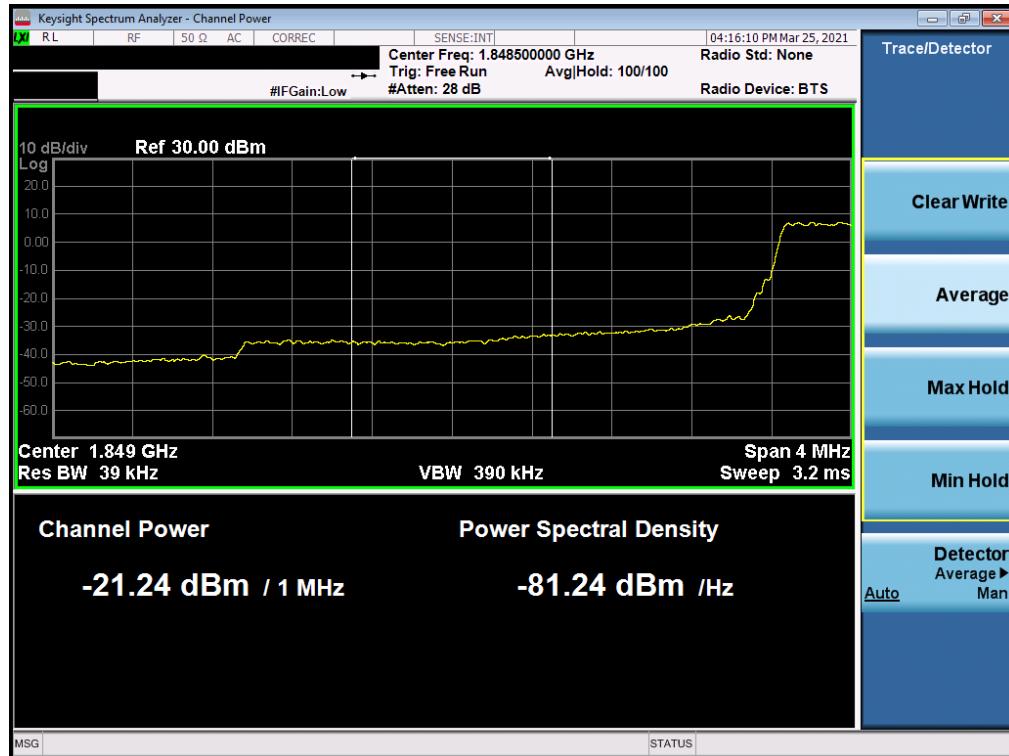


Plot 7-65. Extended Upper Band Edge Plot (LTE Band 2 – 1.4MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 50 of 100



Plot 7-66. Lower Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB Configuration)

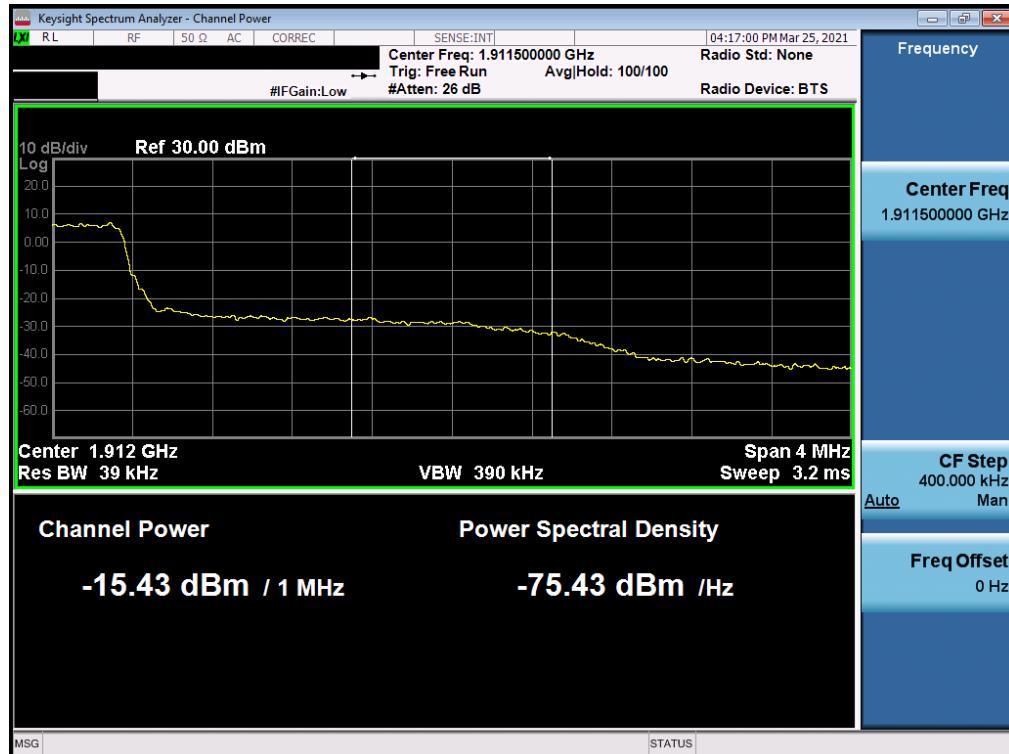


Plot 7-67. Extended Lower Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 51 of 100

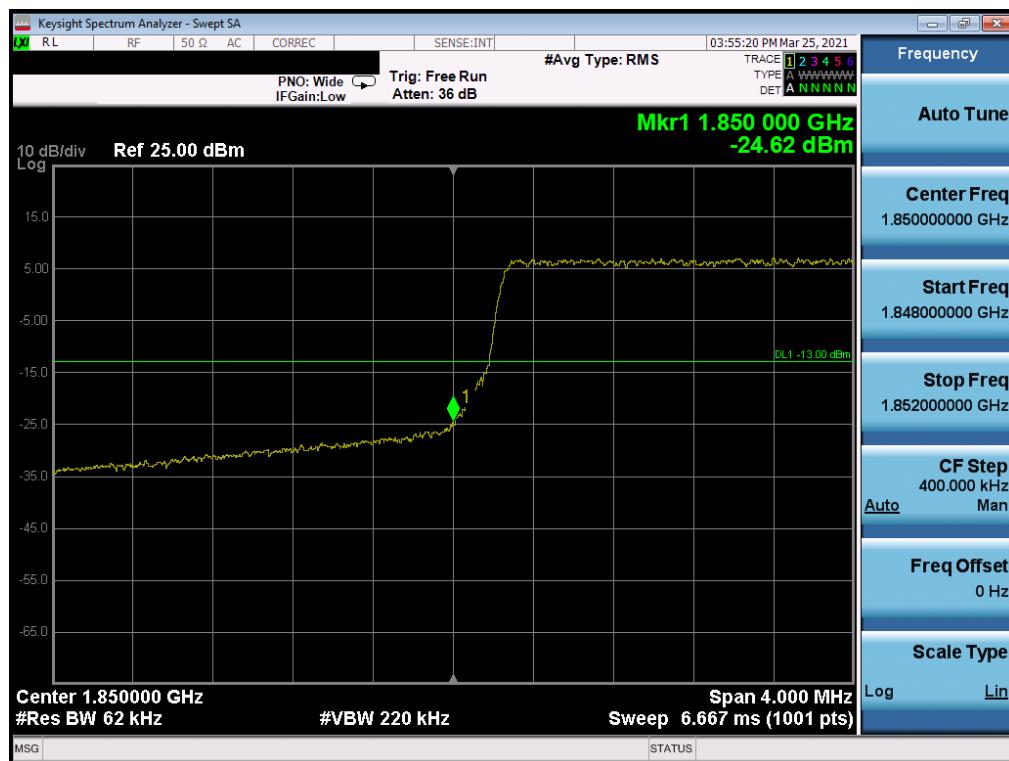


Plot 7-68. Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB Configuration)

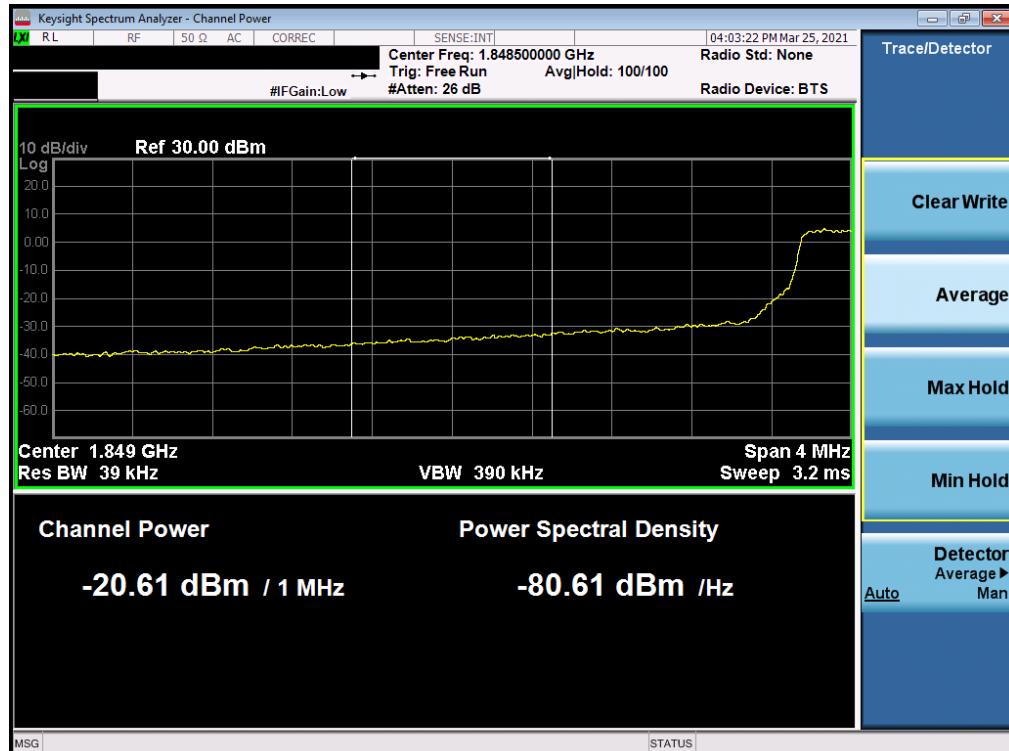


Plot 7-69. Extended Upper Band Edge Plot (LTE Band 2 - 3MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 52 of 100

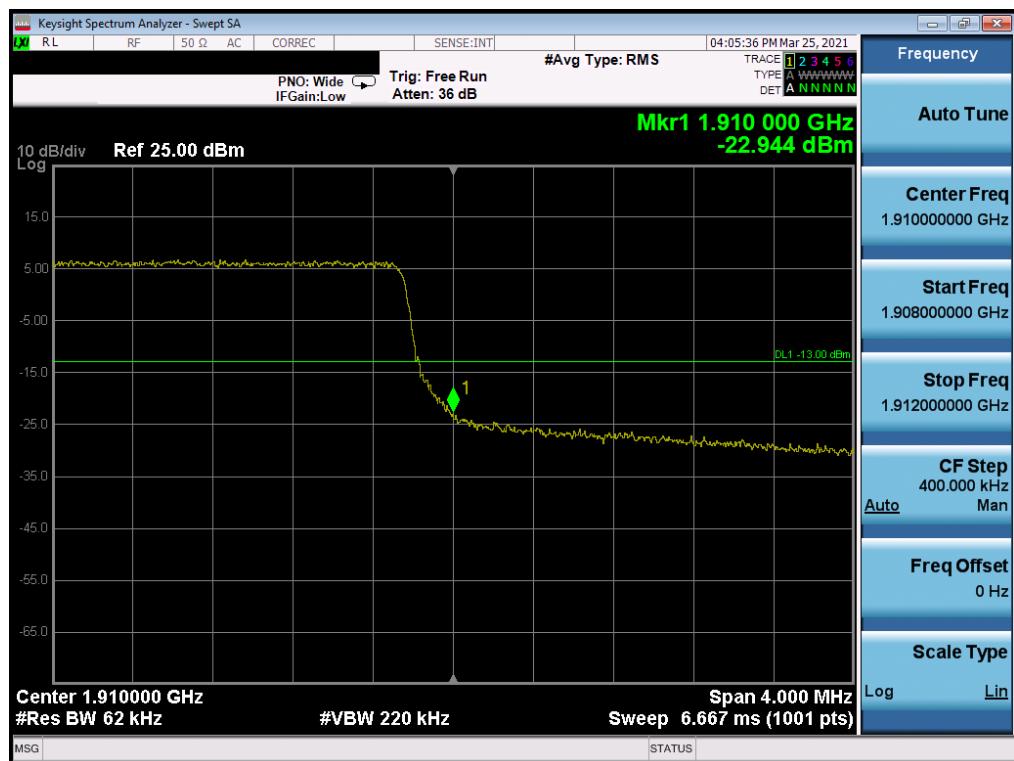


Plot 7-70. Lower Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB Configuration)

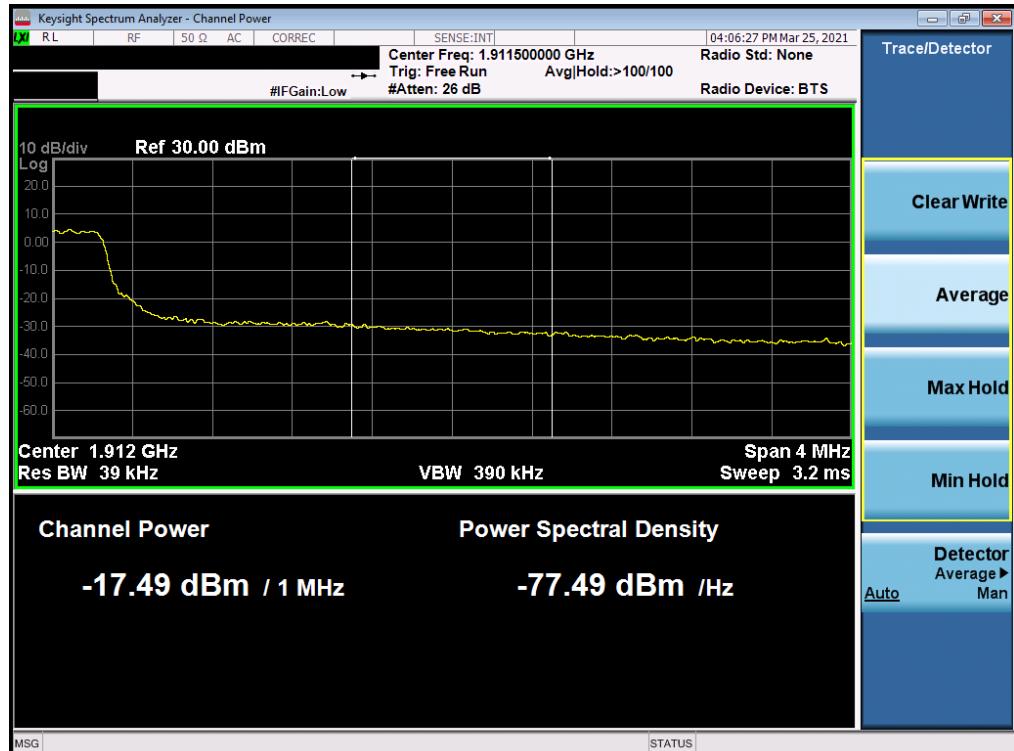


Plot 7-71. Extended Lower Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 53 of 100

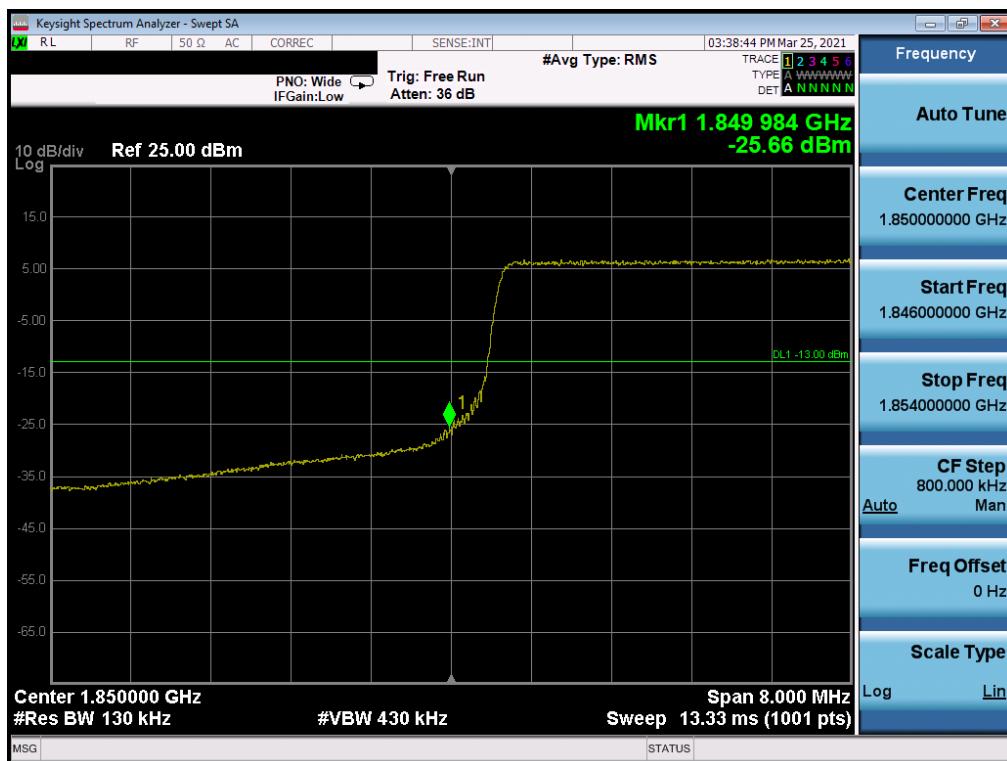


Plot 7-72. Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB Configuration)

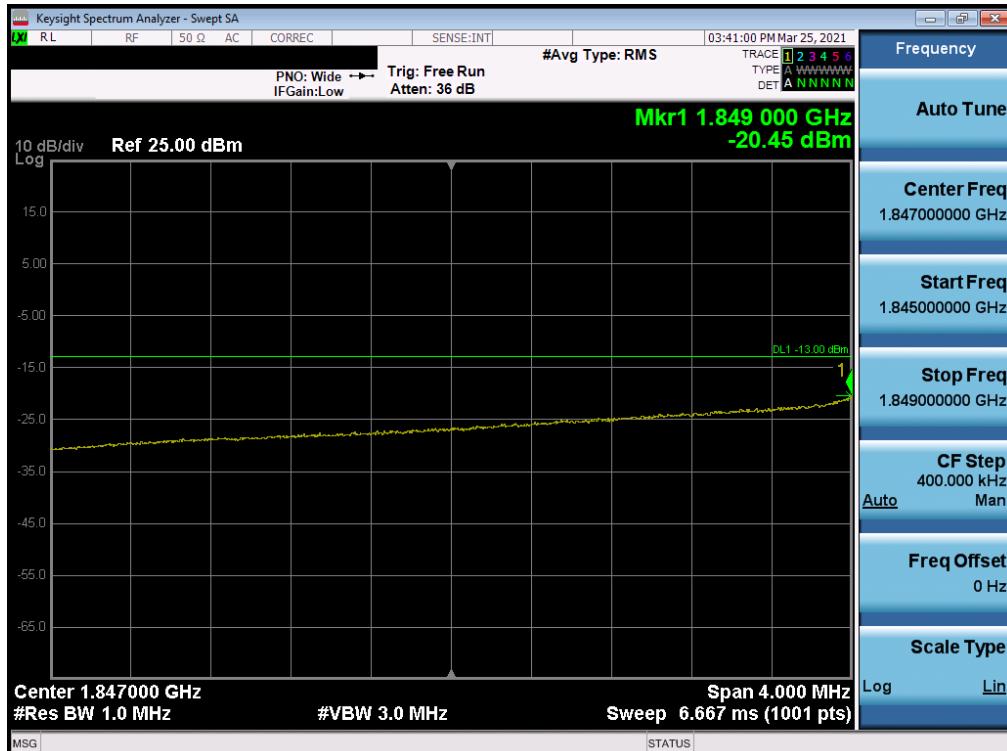


Plot 7-73. Extended Upper Band Edge Plot (LTE Band 2 - 5MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 54 of 100

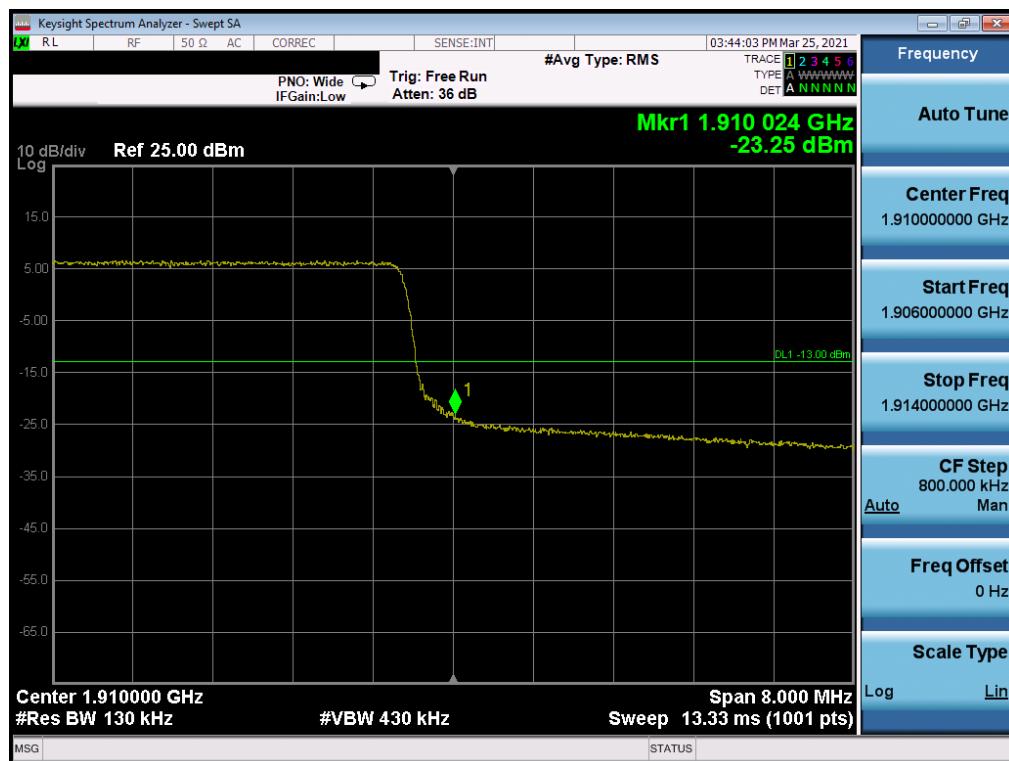


Plot 7-74. Lower Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB Configuration)

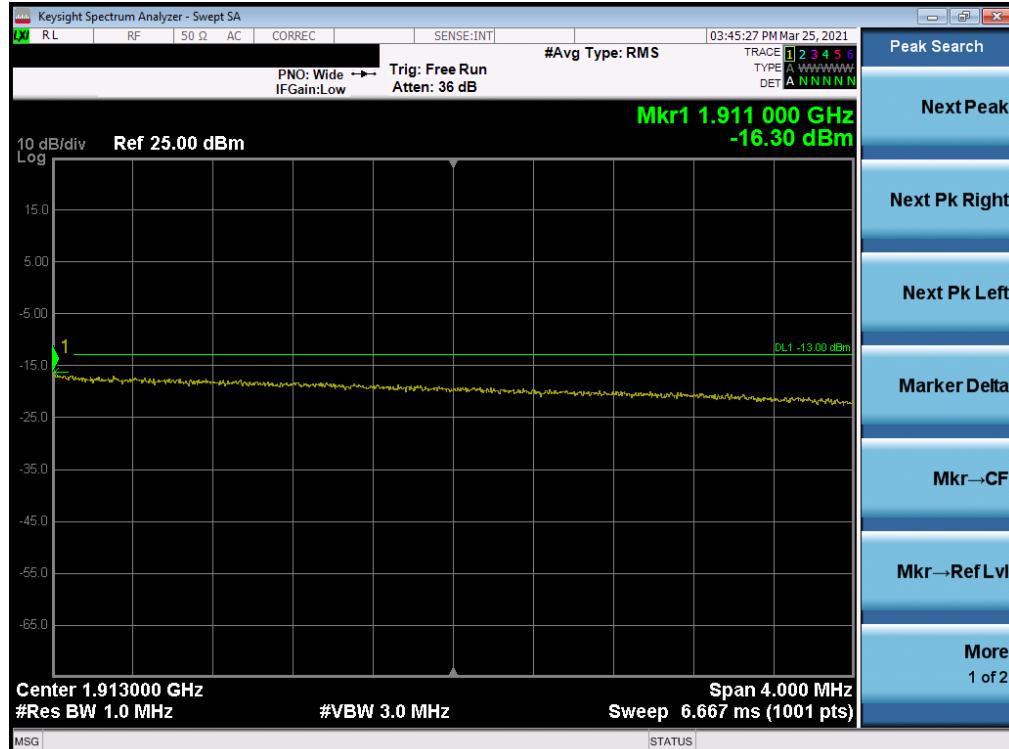


Plot 7-75. Extended Lower Band Edge Plot (LTE Band 2- 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 55 of 100

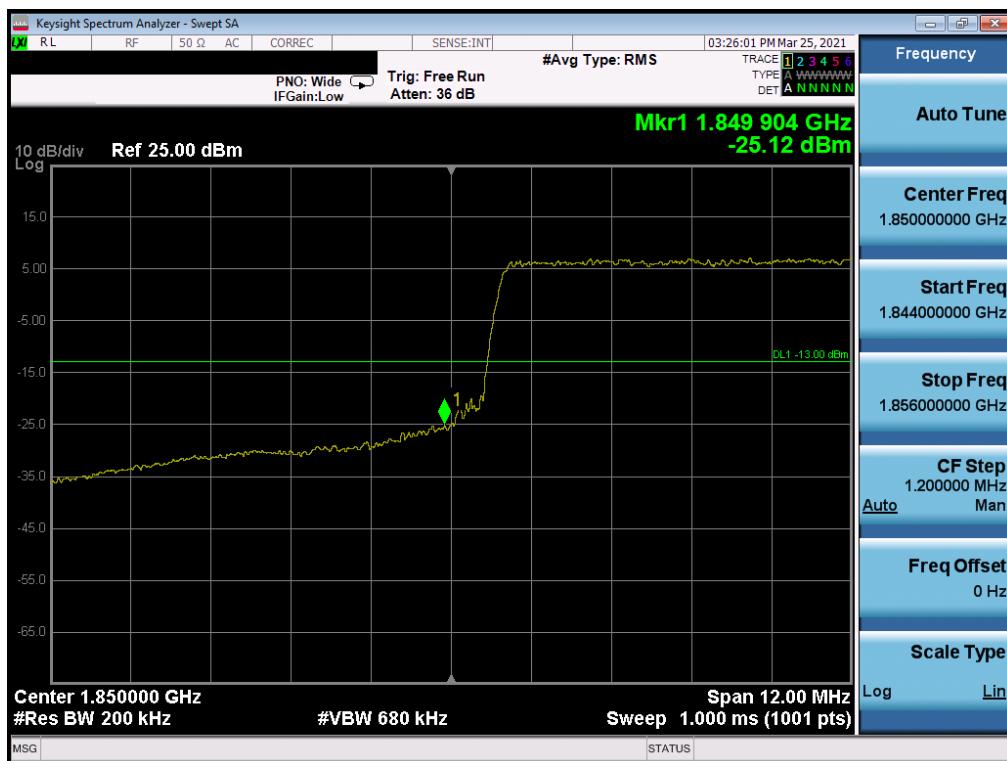


Plot 7-76. Upper Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB Configuration)

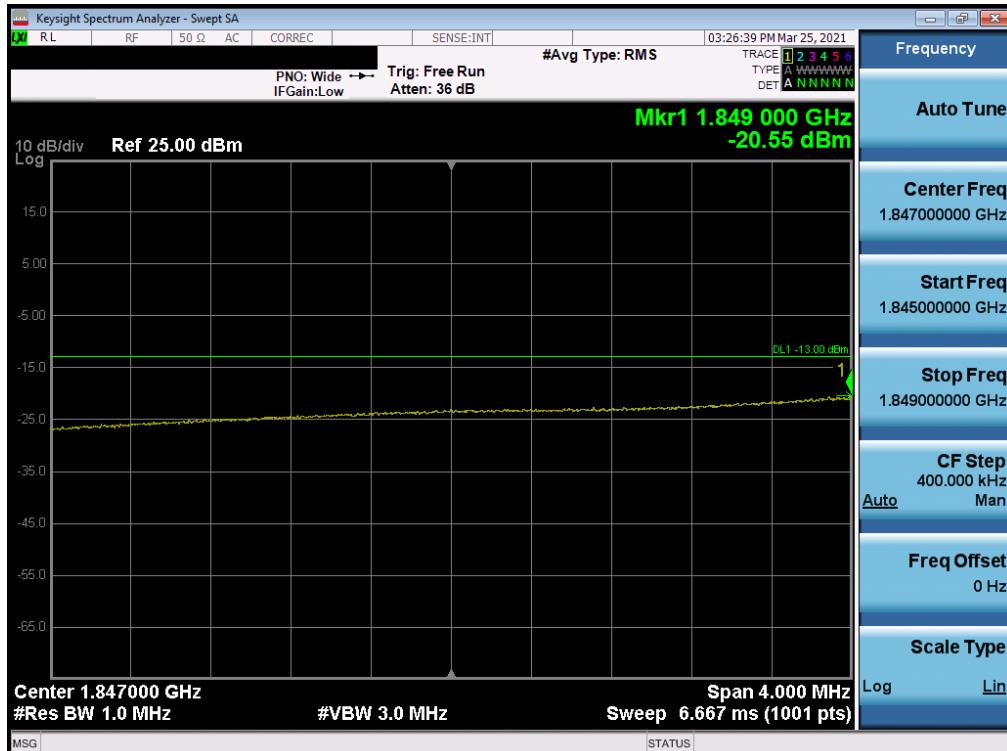


Plot 7-77. Extended Upper Band Edge Plot (LTE Band 2 - 10MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 56 of 100

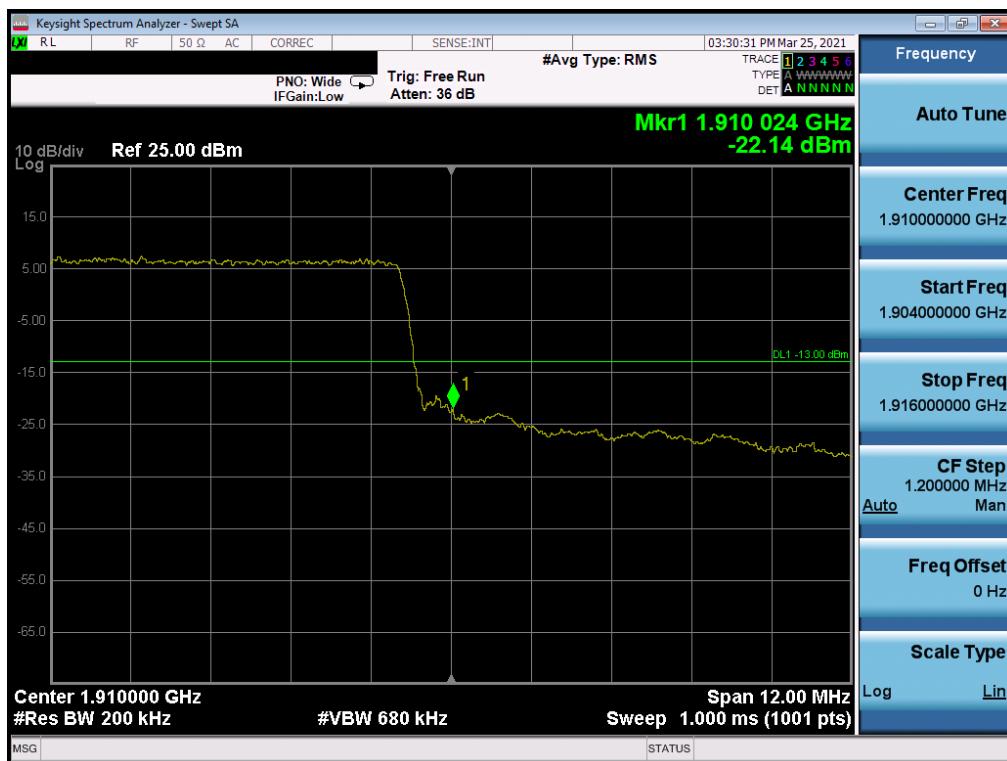


Plot 7-78. Lower Band Edge Plot (LTE Band 2 - 15MHz QPSK – Full RB Configuration)

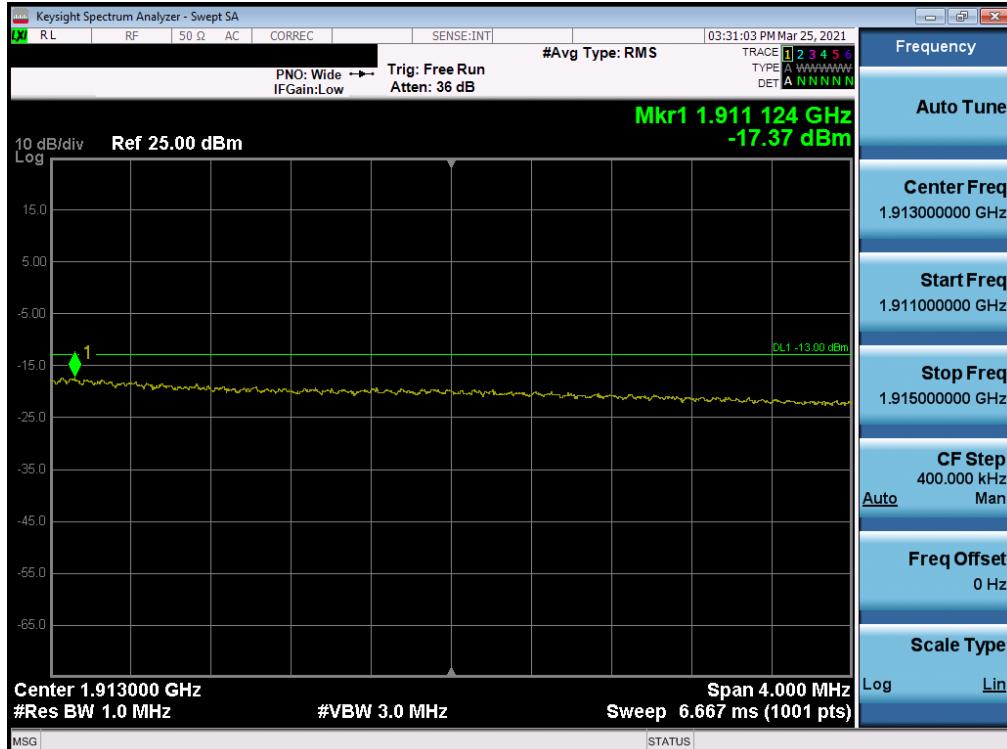


Plot 7-79. Extended Lower Band Edge Plot (LTE Band 2 - 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 57 of 100

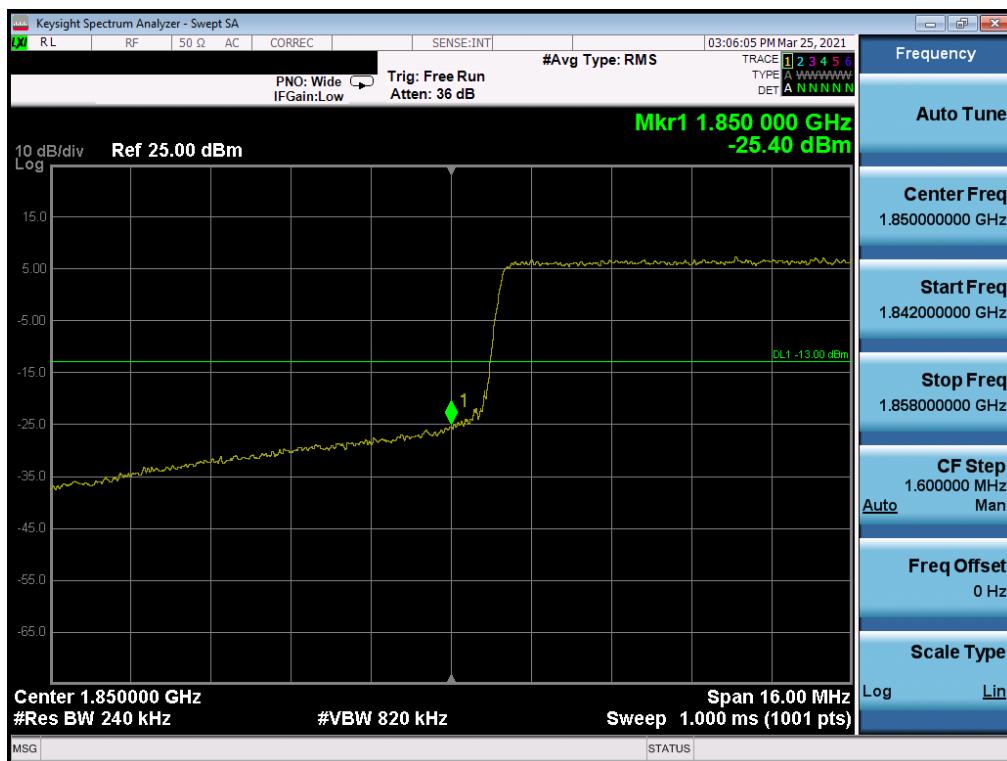


Plot 7-80. Upper Band Edge Plot (LTE Band 2 - 15MHz QPSK – Full RB Configuration)

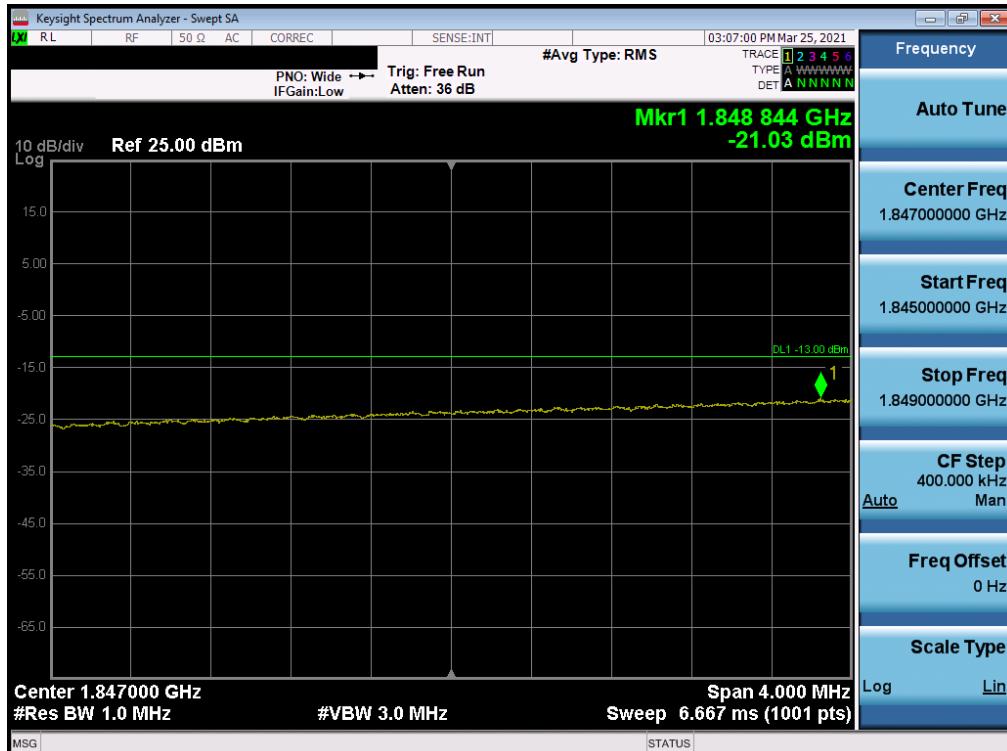


Plot 7-81. Extended Upper Band Edge Plot (LTE Band 2 - 15MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 58 of 100



Plot 7-82. Lower Band Edge Plot (LTE Band 2 - 20MHz QPSK – Full RB Configuration)

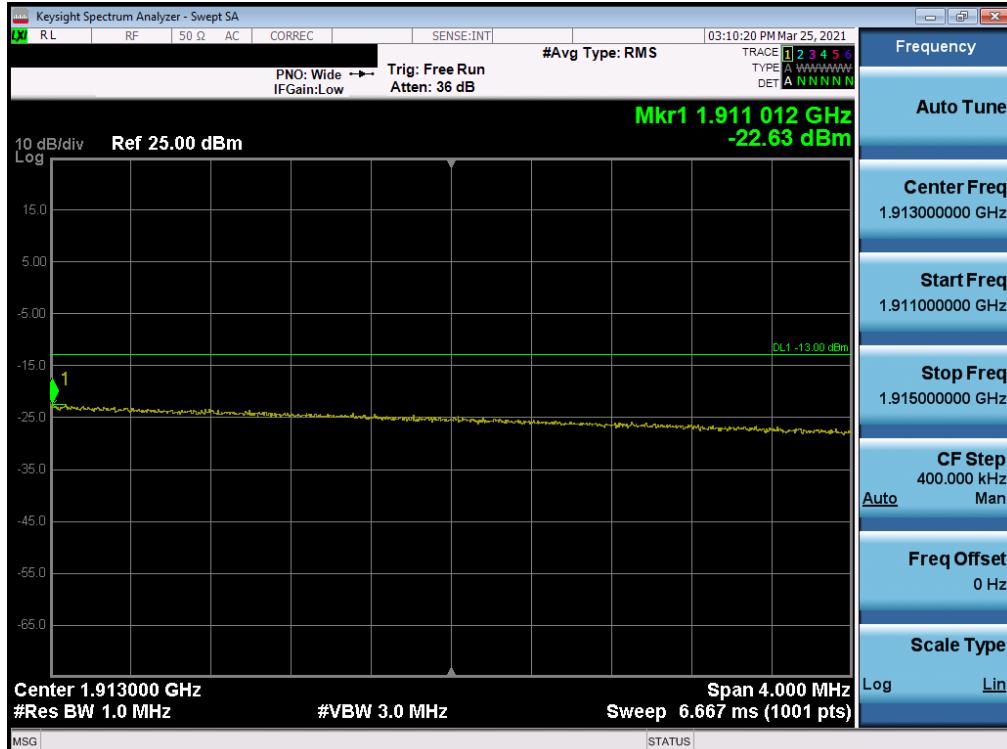


Plot 7-83. Extended Lower Band Edge Plot (LTE Band 2 - 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 59 of 100



Plot 7-84. Upper Band Edge Plot (LTE Band 2 - 20MHz QPSK – Full RB Configuration)



Plot 7-85. Extended Upper Band Edge Plot (LTE Band 2 - 20MHz QPSK – Full RB Configuration)

FCC ID: BCGA2603	PART 24 MEASUREMENT REPORT			Approved by: Quality Manager
Test Report S/N: 1C2106080051-02-R1.BCG	Test Dates: 6/7/2021 - 7/30/2021	EUT Type: Tablet Device		Page 60 of 100