

TEST REPORT

FCC Test for RFV01U-D1A
Class II Permissive Change

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2107-FC044-R2

DATE OF ISSUE
August 9, 2021

Tested by
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TEST REPORT

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RFV01U-D1A

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Additional Model

-

Applicant	SAMSUNG Electronics Co., Ltd. 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
EUT Type	RRU(RFV01U)
Model Name	RFV01U-D1A
FCC ID	A3LRV01U-D1A
Date of Test	May 13, 2021 ~ August 09, 2021
FCC Rule Parts:	CFR 47 Part 2, Part 24, Part 27

The result shown in this test report refer only to the sample(s) tested unless otherwise stated.

This test results were applied only to the test methods required by the standard.

REVISION HISTORY

The revision history for this test report is shown in table.

Revision No.	Date of Issue	Description
0	July 22, 2021	Initial Release
1	August 02, 2021	We corrected the typo.
2	August 09, 2021	Added test results in LTE mode.

The measurements shown in this report were made in accordance with the procedures indicated, and the emissions from this equipment were found to be within the limits applicable. I assume full responsibility for the accuracy and completeness of these measurements, and for the qualifications of all persons taking them. It is further stated that upon the basis of the measurements made, the equipment tested is capable of operation in accordance with the requirements of the FCC Rules under normal use and maintenance.

If this report is required to confirmation of authenticity, please contact to www.hct.co.kr

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1. GENERAL INFORMATION

1.1. APPLICANT INFORMATION

Company Name	Samsung Electronics Co., Ltd.
Company Address	129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

1.2. PRODUCT INFORMATION

EUT Type	RRU(RFV01U)					
EUT Serial Number	S525215083					
Power Supply	-48 VDC					
Output Power	Band	Carrier	Bandwidth		Power	
	(4 Port) PCS DSS (Band 2)	1	10 MHz		40 W/path, Total: 160 W	
	(2 Port) PCS DSS (Band 2)	1	10 MHz		60 W/path, Total: 120 W	
	(4 Port) AWS DSS (Band 66)	1	10 MHz		40 W/path, Total: 160 W	
	(2 Port) AWS DSS (Band 66)	1	10 MHz		80 W/path, Total: 160 W	
	(4 Port) B2 DSS + B2 LTE	2	10 MHz + 5 MHz		40 W/path, Total: 160 W	
	(4 Port) B2 DSS + B2 LTE	2	10 MHz+10 MHz		40 W/path, Total: 160 W	
	(2 Port) B2 DSS + B2 LTE	2	10 MHz + 5 MHz		60 W/path, Total: 120 W	
	(4 Port) B66 DSS + B66 LTE	2	10 MHz + 5 MHz		60 W/path, Total: 240 W	
	(4 Port) B66 DSS + B66 LTE	2	10 MHz+20 MHz		60 W/path, Total: 240 W	
	(2 Port) B66 DSS + B66 LTE	2	10 MHz + 5 MHz		90 W/path, Total: 180 W	
	(4 Port) B66 DSS + B66 LTE + B66 LTE	3	10 MHz+5 MHz + 5 MHz		60 W/path, Total: 240 W	
	(4 Port) B66 DSS + B66 LTE + B66 LTE	3	10 MHz+15 MHz + 5 MHz		60 W/path, Total: 240 W	
	(2 Port) B66 DSS + B66 LTE + B66 LTE	3	10 MHz+5 MHz + 5 MHz		90 W/path, Total: 180 W	
Frequency Range	Band 2 : 1 930 MHz ~ 1 990 MHz Band 66 : 2 110 MHz ~ 2 180 MHz					
Emission Designator	Mode	Bandwidth	Emission Designator			
			QPSK (G7D)	Conducted (W)	16/64/256 QAM (W7D)	Conducted (W)
	(4 Port) B2 DSS	10 MHz	9M31G7D	178.55	9M32W7D	179.69
	(2 Port) B2 DSS	10 MHz	9M31G7D	133.79	9M32W7D	133.56
	(4 Port) B66 AWS	10 MHz	9M31G7D	163.25	9M31W7D	164.86
	(2 Port) B66 AWS	10 MHz	9M31G7D	150.46	9M31W7D	154.33
	(4 Port) B2 DSS + B2 LTE (Contiguous)	10 MHz + 5 MHz	14M4G7D	175.35	14M4W7D	174.13
	(4 Port) B2 DSS + B2 LTE (Contiguous)	10 MHz + 10 MHz	19M1G7D	177.25	19M1W7D	176.93

	(2 Port) B2 DSS + B2 LTE (Contiguous)	10 MHz + 5 MHz	14M4G7D	128.98	14M4W7D	128.38
	(4 Port) B66 DSS + B66 LTE (Contiguous)	10 MHz + 5 MHz	14M4G7D	241.59	14M4W7D	244.51
	(4 Port) B66 DSS + B66 LTE (Contiguous)	10 MHz + 20 MHz	28M5G7D	242.37	28M6W7D	244.69
	(2 Port) B66 DSS + B66 LTE (Contiguous)	10 MHz + 5 MHz	14M4G7D	173.46	14M4W7D	176.78
	(4 Port) B66 DSS + B66 LTE + B66 LTE (Contiguous)	10 MHz +5 MHz + 5 MHz	19M4G7D	217.54	19M4W7D	218.68
	(4 Port) B66 DSS + B66 LTE + B66 LTE (Contiguous)	10 MHz +15 MHz + 5 MHz	28M8G7D	230.02	28M8W7D	231.78
	(2 Port) B66 DSS + B66 LTE + B66 LTE (Contiguous)	10 MHz +5 MHz + 5 MHz	19M3G7D	162.25	19M4W7D	166.70
	(4 Port) B2 DSS + B2 LTE (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	164.72	13M9W7D	166.34
	(4 Port) B2 DSS + B2 LTE (Non-Contiguous)	10 MHz + 10 MHz	18M3G7D	174.06	18M3W7D	175.76
	(2 Port) B2 DSS + B2 LTE (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	122.73	13M9W7D	125.39
	(4 Port) B66 DSS + B66 LTE (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	214.80	13M8W7D	221.07
	(4 Port) B66 DSS + B66 LTE (Non-Contiguous)	10 MHz + 20 MHz	27M3G7D	225.56	27M3W7D	230.31
	(2 Port) B66 DSS + B66 LTE (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	152.09	13M8W7D	154.56
	(4 Port) B66 DSS + B66 LTE + B66 LTE(1C+2C) (Non-Contiguous)	10 MHz +5 MHz + 5 MHz	18M9G7D	214.10	18M9W7D	216.74
	(4 Port) B66 DSS + B66 LTE + B66 LTE(2C+1C) (Non-Contiguous)	10 MHz +5 MHz + 5 MHz	18M8G7D	217.83	18M8W7D	217.13
	(4 Port) B66 DSS + B66 LTE + B66 LTE(1C+2C) (Non-Contiguous)	10 MHz +15 MHz + 5 MHz	28M3G7D	217.89	28M3W7D	219.69
	(4 Port) B66 DSS + B66 LTE + B66 LTE(2C+1C) (Non-Contiguous)	10 MHz +15 MHz + 5 MHz	28M2G7D	219.19	28M2W7D	220.47
	(2 Port) B66 DSS + B66 LTE + B66 LTE(1C+2C) (Non-Contiguous)	10 MHz +5 MHz + 5 MHz	18M9G7D	147.48	18M9W7D	149.35
	(2 Port) B66 DSS + B66 LTE + B66 LTE(2C+1C) (Non-Contiguous)	10 MHz +5 MHz + 5 MHz	18M8G7D	148.91	18M8W7D	150.72
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM					

1.3. TEST INFORMATION

FCC Rule Parts	CFR 47 Part 2, Part 24, Part 27
Measurement standards	ANSI C63.26-2015, KDB 662911 D01 v02r01, KDB 971168 D01 v03r01
Place of Test	HCT CO., LTD. 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA

2. FACILITIES AND ACCREDITATIONS

2.1. FACILITIES

The SAC(Semi-Anechoic Chamber) and conducted measurement facility used to collect the radiated data are located at the 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, 17383, Rep. of KOREA.

The site is constructed in conformance with the requirements of ANSI C63.4. (Version :2014) and CISPR Publication 22.

Detailed description of test facility was submitted to the Commission and accepted dated April 02, 2018 (Registration Number: KR0032).

2.2. EQUIPMENT

Radiated emissions are measured with one or more of the following types of Linearly polarized antennas: tuned dipole, bi-conical, log periodic, bi-log, and/or ridged waveguide, horn. Spectrum analyzers with pre-selectors and quasi-peak detectors are used to perform radiated measurements.

Calibrated wideband preamplifiers, coaxial cables, and coaxial attenuators are also used for making measurements.

All receiving equipment conforms to CISPR Publication 16-1, "Radio Interference Measuring Apparatus and Measurement Methods."

3. TEST SPECIFICATIONS

3.1. STANDARDS

The following tests were conducted on a sample of the equipment for the purpose of demonstrating compliance with FCC Part 2, Part 24, Part 27

Description	Reference	Results
RF Output Power	§ 2.1046, § 24.232, § 27.50(d)(2)	Compliant ^{Note}
PAPR	§ 24.232(d), § 27.50(d)(5)	Compliant ^{Note}
Occupied Bandwidth	§ 2.1049	Compliant ^{Note}
Out-of-band Unwanted Emissions	§ 2.1051, § 24.238, § 27.53(h)	Compliant ^{Note}
Spurious Unwanted Emissions		Compliant ^{Note}
Radiated Emissions	§ 2.1053, § 24.238, § 27.53(h)	Compliant ^{Note}
Frequency Stability	§ 2.1055, § 24.235, § 27.54	Compliant ^{Note}

Note: This report only covers single-carrier DSS mode and Multi-carrier of LTE and DSS. Single carrier of LTE operating modes have already been certified and the proposed change does not affect those operations. Single carrier DSS mode and multi-carrier mode of LTE and DSS operations are supported and addressed all operations in this report.

3.2. ADDITIONAL DESCRIPTIONS ABOUT TEST

- The EUT was operated in a manner representative of the typical usage of the equipment.
- During all testing, system components were manipulated within the confines of typical usage to maximize each emission.
- All LTE and 5G NR modulation types (QPSK, 16QAM, 64QAM, 256QAM) within the DSS operating mode and LTE modulation types (QPSK, 16QAM, 64QAM, 256QAM) have been tested.
- The dummy loads were connected to the RF output ports for radiated spurious emission testing.
- This device supports Dynamic Spectrum Sharing(DSS) on a 10 MHz channel with LTE:5G NR ratios of between 9:1 and 2:8. Preliminary testing across various different ratios indicated that the ratio had no significant affect on the emissions from the device. This report includes data for worst case ratio to be representative of all possible LTE:5G NR ratios.
- In multi-carrier mode addressed in this report, the worst LTE:5G NR ratios are applied based on test result of single carrier DSS mode.
- The device was operating at 100% duty cycle
- The tests results in plots are already including the actual value of loss for the attenuator and cable combination. Please check correction factors below table.

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
500	30.080	4000	32.862
600	30.162	5000	33.241
700	30.292	6000	33.773
800	30.397	7000	34.541
900	30.383	8000	34.982
1000	30.396	9000	36.026
1100	30.467	10000	38.091
1200	30.762	11000	36.893
1300	30.840	12000	36.864
1400	30.970	13000	36.619
1500	31.030	14000	37.764
1600	31.113	15000	37.365
1700	30.990	16000	38.714
1800	31.046	17000	37.437
1900	31.138	18000	38.234
2000	31.285	19000	38.174
2100	31.422	20000	39.389
2200	31.445	21000	39.823
2300	31.536	22000	41.184
2400	31.692	23000	40.610
2500	31.796	24000	39.603
2600	31.946	25000	41.659
2700	31.788	26000	49.080
2800	31.791	-	-
2900	31.958	-	-
3000	32.256	-	-

3.3. MAXIMUM MEASUREMENT UNCERTAINTY

The value of the measurement uncertainty for the measurement of each parameter.

Coverage factor $k=2$, Confidence levels of 95 %

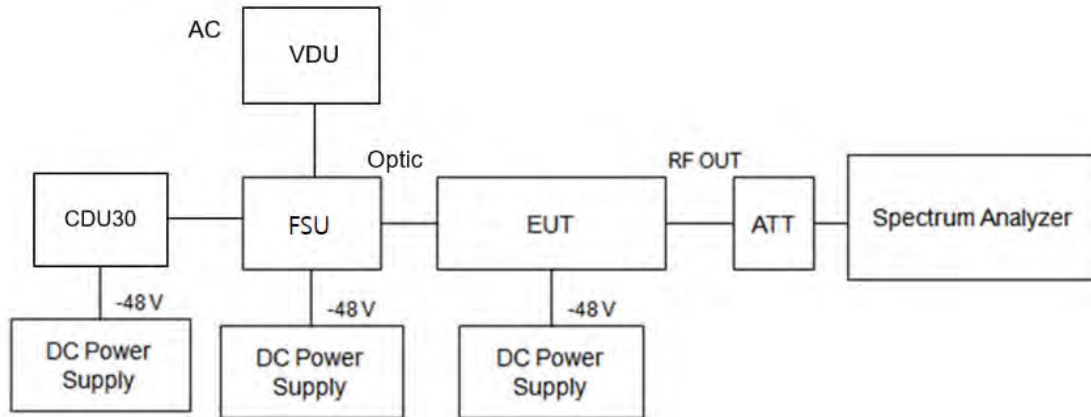
Description	Condition	Uncertainty
RF Output Power	-	± 0.72 dB
PAPR	-	± 0.72 dB
Occupied Bandwidth	-	± 52 kHz
Out-of-band Unwanted Emissions	-	± 0.72 dB
Spurious Unwanted Emissions	$f \leq 1$ GHz	± 4.80 dB
	$f > 1$ GHz	± 6.07 dB
Radiated Emissions	$f \leq 1$ GHz	± 4.80 dB
	$f > 1$ GHz	± 6.07 dB
Frequency Stability	-	$\pm 1.22 \times 10^{-6}$

3.4. STANDARDS ENVIRONMENTAL TEST CONDITIONS

Temperature :	+15 °C to +35 °C
Relative humidity:	30 % to 60 %
Air pressure	860 mbar to 1 060 mbar

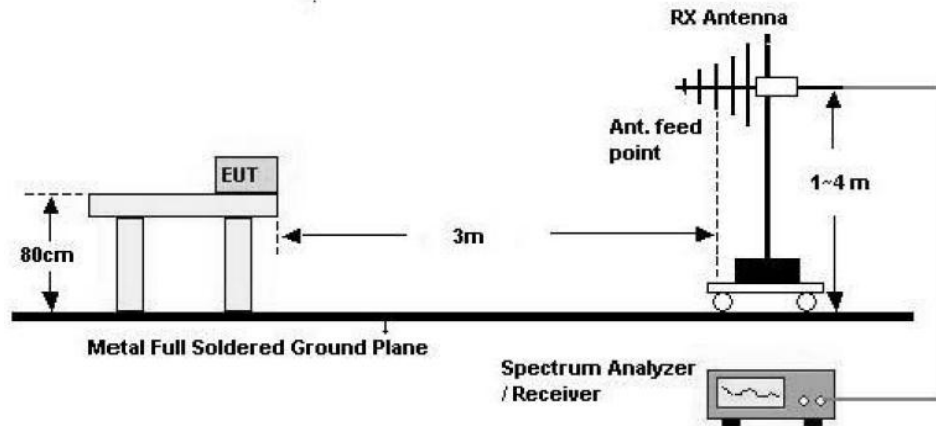
3.5. TEST DIAGRAMS

Conducted Test

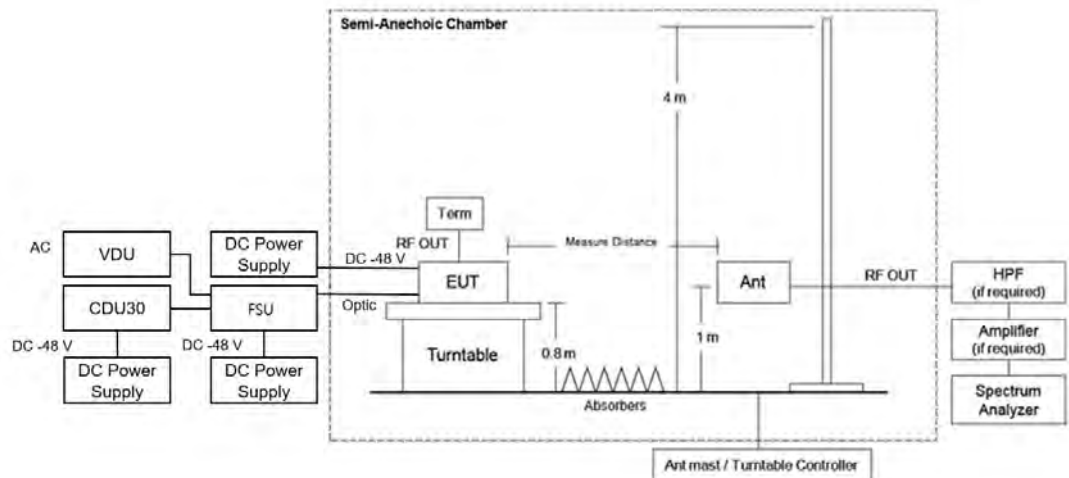


Radiated Test

30 MHz ~ 1 GHz

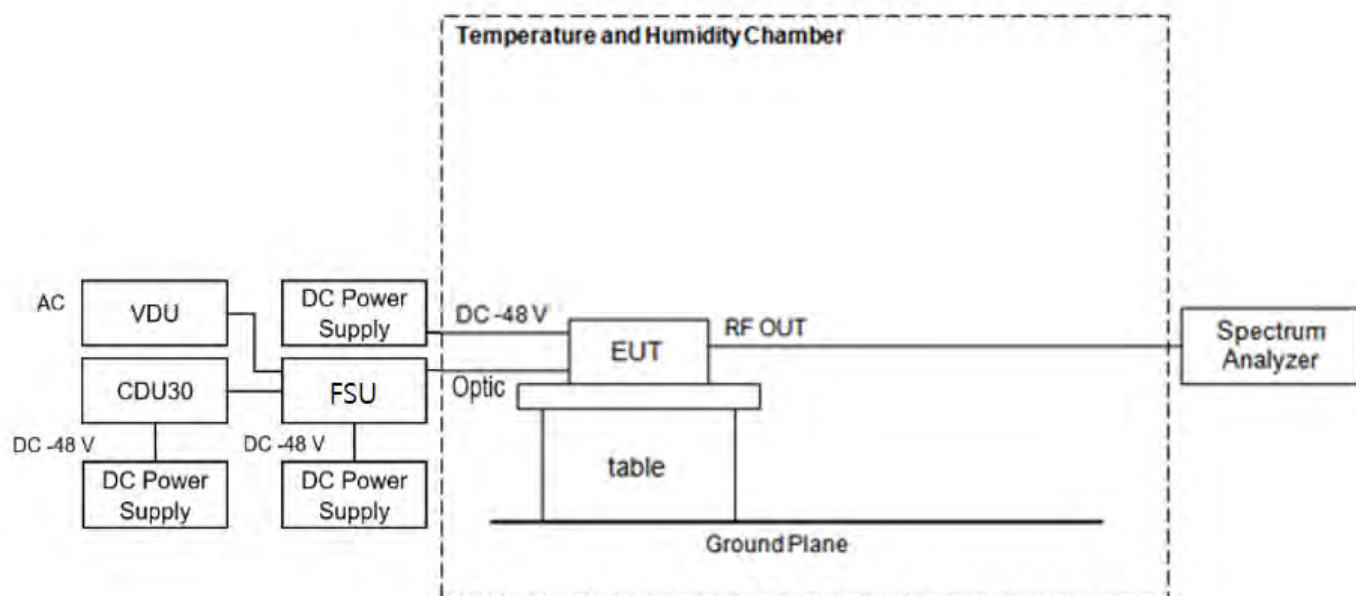


Above 1 GHz



※ EUT position is adopted by placement of floor-standing refer to section 5.5.2.3.2 of ANSI C63.26-2015

Frequency Stability



Note: All modulations(QPSK, 16QAM, 64QAM, 256QAM) were investigated and the worst case configuration channel results are reported.

4. TEST EQUIPMENTS

Manufacturer	Model / Equipment	Calibration Date	Calibration Interval	Serial No.
Agilent	N9020A / MXA Signal Analyzer	2020-08-18	Annual	MY46471250
Keysight	N9030A / PXA Signal Analyzer	2021-03-30	Annual	US51350313
TNM system	TMX0108 / RF Switch System	N/A	N/A	TM20110001
Weinschel Associates	WA93-30-33 / 30 dB Attenuator	2021-03-30	Annual	0137
Weinschel Associates	WA93-30-33 / 30 dB Attenuator	2021-03-30	Annual	0190
Weinschel Associates	WA93-30-33 / 30 dB Attenuator	2021-03-30	Annual	0155
Weinschel Associates	WA93-30-33 / 30 dB Attenuator	2021-03-30	Annual	0149
Hewlett Packard	6674A / DC Power Supply	2021-06-30	Annual	3637A01843
KIKUSUI	PWR1600L / DC Power Supply	2020-10-14	Annual	RL002213
NANGYEUL CO., LTD.	NY-THR18750/ Temperature and Humidity Chamber	2021-01-14	Annual	NY-200912201A
TNM system	FBSM-01B / Amp & Filter Bank Switch Controller	N/A	N/A	TM20090002
Innco systems	CO3000 / Controller(Antenna mast & Turn Table)	N/A	N/A	CO3000/1251/48920320/P
Innco systems	MA4640/800-XP-ET / Antenna Position Tower	N/A	N/A	N/A
Innco systems	DS2000-S / Turn Table	N/A	N/A	N/A
Ets	Turn Table	N/A	N/A	N/A
Schwarzbeck	FMZB 1513 / Loop Antenna	2020-03-19	Biennial	1513-333
Schwarzbeck	VULB 9168 / Hybrid Antenna	2020-08-02	Biennial	01039
Schwarzbeck	BBHA 9120D / Horn Antenna	2020-06-28	Biennial	02296
Schwarzbeck	BBHA9170 / Horn Antenna(15 GHz ~ 40 GHz)	2020-10-13	Biennial	BBHA9170342
Rohde & Schwarz	FSP40 / Spectrum Analyzer	2021-05-27	Annual	100843
TNM system	FBSR-04C / HPF(3 ~ 18 GHz) + LNA(0.1 ~ 18 GHz)	2020-09-23	Annual	N/A
LTC Microwave	LLAU1183540Q / Low Noise Amplifier	2020-09-23	Annual	100
Wainwright Instruments	WHKX12-2805-3000-18000-40SS / High Pass Filter	2020-09-23	Annual	45
CERNEX	CBL18265035 / Power Amplifier	2020-12-04	Annual	22966
CERNEX	CBL26405040 / Power Amplifier	2021-03-23	Annual	25956

Note:

- Equipment listed above that calibrated during the testing period was set for test after the calibration.
- Equipment listed above that has a calibration due date during the testing period, the testing is completed before equipment expiration date, or will be tested after the calibration is completed.

5. TEST RESULT

5.1. RF OUTPUT POWER and PSD

Test Requirements:

§ 2.1046 Measurements required: RF power output.

- (a) For transmitters other than single sideband, independent sideband and controlled carrier radiotelephone, power output shall be measured at the RF output terminals when the transmitter is adjusted in accordance with the tune-up procedure to give the values of current and voltage on the circuit elements specified in § 2.1033(c)(8). The electrical characteristics of the radio frequency load attached to the output terminals when this test is made shall be stated.
- (b) For single sideband, independent sideband, and single channel, controlled carrier radiotelephone transmitters the procedure specified in paragraph (a) of this section shall be employed and, in addition, the transmitter shall be modulated during the test as specified and applicable in § 2.1046 (b) (1-5). In all tests, the input level of the modulating signal shall be such as to develop rated peak envelope power or carrier power, as appropriate, for the transmitter.
- (c) For measurements conducted pursuant to paragraphs (a) and (b) of this section, all calculations and methods used by the applicant for determining carrier power or peak envelope power, as appropriate, on the basis of measured power in the radio frequency load attached to the transmitter output terminals shall be shown. Under the test conditions specified, no components of the emission spectrum shall exceed the limits specified in the applicable rule parts as necessary for meeting occupied bandwidth or emission limitations.

§ 24.232 Power and antenna height limits.

- (a) (1) Base stations with an emission bandwidth of 1 MHz or less are limited to 1640 watts equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.
- (2) Base stations with an emission bandwidth greater than 1 MHz are limited to 1640 watts/MHz equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.
- (3) Base station antenna heights may exceed 300 meters HAAT with a corresponding reduction in power; see Tables 1 and 2 of this section.
- (4) The service area boundary limit and microwave protection criteria specified in § § 24.236 and 24.237 apply.

Table 1—Reduced Power for Base Station Antenna Heights Over 300 Meters, With Emission Bandwidth of 1 MHz or Less

HAAT in meters	Maximum EIRP watts
≤300	1640
≤500	1070
≤1000	490
≤1500	270
≤2000	160

Table 2—Reduced Power for Base Station Antenna Heights Over 300 Meters, With Emission Bandwidth Greater Than 1 MHz

HAAT in meters	Maximum EIRP watts/MHz
≤300	1640
≤500	1070
≤1000	490
≤1500	270
≤2000	160

- (b) (1) Base stations that are located in counties with population densities of 100 persons or fewer per square mile, based upon the most recently available population statistics from the Bureau of the Census, with an emission bandwidth of 1 MHz or less are limited to 3280 watts equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT.
- (2) Base stations that are located in counties with population densities of 100 persons or fewer per square mile, based upon the most recently available population statistics from the Bureau of the Census, with an emission bandwidth greater than 1 MHz are limited to 3280 watts/MHz equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT.
- (3) Base station antenna heights may exceed 300 meters HAAT with a corresponding reduction in power; see Tables 3 and 4 of this section.
- (4) The service area boundary limit and microwave protection criteria specified in § § 24.236 and 24.237 apply.
- (5) Operation under this paragraph (b) at power limits greater than permitted under paragraph (a) of this section must be coordinated in advance with all broadband PCS licensees authorized to operate on adjacent frequency blocks within 120 kilometers (75 miles) of the base station and is limited to base stations located more than 120 kilometers (75 miles) from the Canadian border and more than 75 kilometers (45 miles) from the Mexican border.

Table 3—Reduced Power for Base Station Antenna Heights Over 300 Meters, With Emission Bandwidth of 1 MHz or Less

HAAT in meters	Maximum EIRP watts
≤300	3280
≤500	2140
≤1000	980
≤1500	540
≤2000	320

Table 4—Reduced Power for Base Station Antenna Heights Over 300 Meters, With Emission Bandwidth Greater Than 1 MHz

HAAT in meters	Maximum EIRP watts/MHz
≤ 300	3280
≤ 500	2140
≤ 1000	980
≤ 1500	540
≤ 2000	320

- (c) Mobile and portable stations are limited to 2 watts EIRP and the equipment must employ a means for limiting power to the minimum necessary for successful communications.
- (d) Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.
- (e) Peak transmit power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage. The measurement results shall be properly adjusted for any instrument limitations, such as detector response times, limited resolution bandwidth capability when compared to the emission bandwidth, sensitivity, etc., so as to obtain a true peak measurement for the emission in question over the full bandwidth of the channel.

§ 27.50 Power limits and duty cycle.

- (d) (2) The power of each fixed or base station transmitting in the 1995-2000 MHz, the 2110-2155 MHz 2155-2180 MHz band, or 2180-2200 MHz band and situated in any geographic location other than that described in paragraph (d)(1) of this section is limited to:
 - (ii) An EIRP of 1640 watts/MHz when transmitting with an emission bandwidth greater than 1 MHz.
- (5) Equipment employed must be authorized in accordance with the provisions of § 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Test Procedures:

The measurement is performed in accordance with Section 5.2.4.4.1 of ANSI C63.26.

The EUT is considered to transmit continuously if it can be configured to transmit at a burst duty cycle of greater than or equal to 98% throughout the duration of the measurement. If this condition can be achieved, then the following procedure can be used to measure the average output power of the EUT.

- a) Set span to $2 \times$ to $3 \times$ the OBW.
- b) Set RBW = 1% to 5% of the OBW.

- c) Set $VBW \geq 3 \times RBW$.
- d) Set number of measurement points in sweep $\geq 2 \times \text{span} / RBW$.
- e) Sweep time:
 - 1) Set = auto-couple, or
 - 2) Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission period})]$ for single sweep (automation-compatible) measurement. Transmission period is the on and off time of the transmitter.
- f) Detector = power averaging (rms).
- g) If the EUT can be configured to transmit continuously, then set the trigger to free run.
- h) If the EUT cannot be configured to transmit continuously, then use a sweep trigger with the level set to enable triggering only on full power bursts and configure the EUT to transmit at full power for the entire duration of each sweep. Verify that the sweep time is less than or equal to the transmission burst duration. Time gating can also be used under similar constraints (i.e., configured such that measurement data is collected only during active full-power transmissions).
- i) Trace average at least 100 traces in power averaging (rms) mode if sweep is set to auto-couple. To accurately determine the average power over multiple symbols, it can be necessary to increase the number of traces to be averaged above 100 or, if using a manually configured sweep time, increase the sweep time.
- j) Compute the power by integrating the spectrum across the OBW of the signal using the instrument's band or channel power measurement function, with the band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, then sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.

The measurement is performed in accordance with Section 5.2.4.5 of ANSI C63.26.

Some regulatory requirements specify the RF output power limits in terms of maximum or average PSD, (i.e., the output power or unwanted emissions power limits are defined within a specified reference bandwidth).

When average PSD limits are specified, the same fundamental measurement condition applies as previously discussed (i.e., averaging is to be performed only over durations of active transmissions at maximum output power level). Thus, when performing this measurement, the EUT must either be configured to transmit continuously at full power while the compliance measurement is performed, or else the measurement instrumentation must be configured to acquire data only over durations when the EUT is actively transmitting at full power. In circumstances where neither of these conditions can be realized, then alternative procedures are provided for both constant duty cycle and non-constant duty cycle transmissions.

The PSD is measured following the same procedures described in 5.2.4.4 for measuring the total average power, but with the RBW set to the reference bandwidth specified by the applicable regulatory requirement, and by using the marker function to identify the maximum PSD instead of summing the power across the OBW. If the fundamental measurement condition cannot be realized, then one of the alternative procedures in 5.2.4.4.2 or 5.2.4.4.3 should be selected, based on whether the transmitter duty cycle is constant (variations $\leq \pm 2\%$) or non-constant (variations $> \pm 2\%$), respectively.

Note: The results of the Conducted output power and PAPR test shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.

Test Results:
Tabular Data of RF output power
(4 Port) B66 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	43.08	20.31
	16QAM	Middle	2145.00	43.11	20.48
	64QAM	Middle	2145.00	42.98	19.87
	256QAM	Middle	2145.00	42.97	19.82

(4 Port) B66 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.73	37.45
	16QAM	Middle	2145.00	45.82	38.19
	64QAM	Middle	2145.00	45.76	37.69
	256QAM	Middle	2145.00	45.71	37.28

(4 Port) B66 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	48.08	64.27
	16QAM	Middle	2145.00	48.13	65.00
	64QAM	Middle	2145.00	48.04	63.62
	256QAM	Middle	2145.00	48.07	64.08

(4 Port) B66 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	47.37	54.63
	16QAM	Middle	2145.00	47.39	54.88
	64QAM	Middle	2145.00	47.37	54.54
	256QAM	Middle	2145.00	47.38	54.68

(2 Port) B66 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	46.07	40.46
	16QAM	Middle	2145.00	46.07	40.49
	64QAM	Middle	2145.00	46.02	39.99
	256QAM	Middle	2145.00	46.07	40.44

(2 Port) B66 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	48.82	76.17
	16QAM	Middle	2145.00	48.90	77.55
	64QAM	Middle	2145.00	48.90	77.66
	256QAM	Middle	2145.00	48.92	77.98

(2 Port) B66 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	49.79	95.24
	16QAM	Middle	2145.00	49.66	92.51
	64QAM	Middle	2145.00	49.75	94.49
	256QAM	Middle	2145.00	49.76	94.65

(2 Port) B66 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	49.47	88.57
	16QAM	Middle	2145.00	49.46	88.33
	64QAM	Middle	2145.00	49.47	88.55
	256QAM	Middle	2145.00	49.49	88.84

(4 Port) B2 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	42.79	18.99
	16QAM	Middle	1960.00	42.80	19.05
	64QAM	Middle	1960.00	42.76	18.86
	256QAM	Middle	1960.00	42.76	18.89

(4 Port) B2 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	45.65	36.71
	16QAM	Middle	1960.00	45.62	36.45
	64QAM	Middle	1960.00	45.67	36.94
	256QAM	Middle	1960.00	45.65	36.75

(4 Port) B2 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	45.83	38.31
	16QAM	Middle	1960.00	45.84	38.40
	64QAM	Middle	1960.00	45.83	38.33
	256QAM	Middle	1960.00	45.89	38.85

(4 Port) B2 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	45.63	36.59
	16QAM	Middle	1960.00	45.64	36.69
	64QAM	Middle	1960.00	45.68	36.95
	256QAM	Middle	1960.00	45.66	36.80

(2 Port) B2 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	45.82	38.23
	16QAM	Middle	1960.00	45.90	38.91
	64QAM	Middle	1960.00	45.93	39.18
	256QAM	Middle	1960.00	45.90	38.92

(2 Port) B2 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	47.69	58.74
	16QAM	Middle	1960.00	47.65	58.17
	64QAM	Middle	1960.00	47.61	57.70
	256QAM	Middle	1960.00	47.60	57.58

(2 Port) B2 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	47.67	58.51
	16QAM	Middle	1960.00	47.67	58.44
	64QAM	Middle	1960.00	47.69	58.78
	256QAM	Middle	1960.00	47.68	58.65

(2 Port) B2 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	47.61	57.68
	16QAM	Middle	1960.00	47.62	57.74
	64QAM	Middle	1960.00	47.62	57.76
	256QAM	Middle	1960.00	47.56	57.02

(4 Port) B2 DSS 10 MHz 9to1 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	46.53	45.02
	16QAM	Middle	1960.00	46.52	44.84
	64QAM	Middle	1960.00	46.56	45.29
	256QAM	Middle	1960.00	46.54	45.09

(4 Port) B2 DSS 10 MHz 8to2 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	46.56	45.33
	16QAM	Middle	1960.00	46.55	45.16
	64QAM	Middle	1960.00	46.49	44.58
	256QAM	Middle	1960.00	46.53	44.94

(4 Port) B2 DSS 10 MHz 7to3 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	46.48	44.42
	16QAM	Middle	1960.00	46.46	44.25
	64QAM	Middle	1960.00	46.54	45.13
	256QAM	Middle	1960.00	46.54	45.10

(4 Port) B2 DSS 10 MHz 6to4 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	46.49	44.58
	16QAM	Middle	1960.00	46.53	44.97
	64QAM	Middle	1960.00	46.53	45.03
	256QAM	Middle	1960.00	46.53	45.00

(4 Port) B2 DSS 10 MHz 5to5 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	46.59	45.58
	16QAM	Middle	1960.00	46.56	45.30
	64QAM	Middle	1960.00	46.58	45.51
	256QAM	Middle	1960.00	46.55	45.21

(4 Port) B2 DSS 10 MHz 4to6 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	46.56	45.31
	16QAM	Middle	1960.00	46.55	45.24
	64QAM	Middle	1960.00	46.51	44.76
	256QAM	Middle	1960.00	46.52	44.84

(4 Port) B2 DSS 10 MHz 3to7 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	46.51	44.73
	16QAM	Middle	1960.00	46.52	44.91
	64QAM	Middle	1960.00	46.56	45.32
	256QAM	Middle	1960.00	46.51	44.74

(4 Port) B2 DSS 10 MHz 2to8 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.00	46.46	44.31
	16QAM	Middle	1960.00	46.56	45.32
	64QAM	Middle	1960.00	46.57	45.35
	256QAM	Middle	1960.00	46.47	44.33

* The worst LTE:NR ratio is 5:5.

(4 Port) B2 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1935.00	46.50	44.65
		Middle	1960.00	46.59	45.58
		High	1985.00	46.38	43.50
	16QAM	Low	1935.00	46.50	44.69
		Middle	1960.00	46.56	45.30
		High	1985.00	46.34	43.03
	64QAM	Low	1935.00	46.48	44.45
		Middle	1960.00	46.58	45.51
		High	1985.00	46.31	42.79
	256QAM	Low	1935.00	46.44	44.09
		Middle	1960.00	46.55	45.21
		High	1985.00	46.33	42.96
1	QPSK	Low	1935.00	46.82	48.11
		Middle	1960.00	46.71	46.90
		High	1985.00	46.51	44.74
	16QAM	Low	1935.00	46.86	48.54
		Middle	1960.00	46.65	46.20
		High	1985.00	46.52	44.90
	64QAM	Low	1935.00	46.83	48.22
		Middle	1960.00	46.68	46.60
		High	1985.00	46.53	44.99
	256QAM	Low	1935.00	46.85	48.36
		Middle	1960.00	46.62	45.90
		High	1985.00	46.47	44.41

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1935.00	46.31	42.75
		Middle	1960.00	46.28	42.49
		High	1985.00	46.08	40.58
	16QAM	Low	1935.00	46.27	42.36
		Middle	1960.00	46.22	41.85
		High	1985.00	46.07	40.43
	64QAM	Low	1935.00	46.22	41.85
		Middle	1960.00	46.14	41.15
		High	1985.00	46.02	40.03
	256QAM	Low	1935.00	46.23	41.96
		Middle	1960.00	46.22	41.85
		High	1985.00	46.04	40.18
3	QPSK	Low	1935.00	46.34	43.05
		Middle	1960.00	46.24	42.11
		High	1985.00	46.13	40.97
	16QAM	Low	1935.00	46.44	44.10
		Middle	1960.00	46.24	42.11
		High	1985.00	46.11	40.79
	64QAM	Low	1935.00	46.37	43.40
		Middle	1960.00	46.13	41.06
		High	1985.00	46.06	40.36
	256QAM	Low	1935.00	46.35	43.17
		Middle	1960.00	46.14	41.11
		High	1985.00	46.05	40.25

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1935.00	178.55	179.69	177.92	177.58
1960.00	177.09	175.46	174.32	174.07
1985.00	169.79	169.15	168.17	167.81

(2 Port) B2 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1935.00	48.12	64.92
		Middle	1960.00	48.07	64.15
		High	1985.00	47.67	58.48
	16QAM	Low	1935.00	48.16	65.49
		Middle	1960.00	48.05	63.83
		High	1985.00	47.76	59.74
	64QAM	Low	1935.00	48.19	65.86
		Middle	1960.00	47.98	62.76
		High	1985.00	47.81	60.44
	256QAM	Low	1935.00	48.11	64.74
		Middle	1960.00	48.03	63.52
		High	1985.00	47.81	60.46
1	QPSK	Low	1935.00	48.38	68.87
		Middle	1960.00	48.25	66.83
		High	1985.00	48.01	63.27
	16QAM	Low	1935.00	48.33	68.06
		Middle	1960.00	48.20	66.11
		High	1985.00	47.95	62.40
	64QAM	Low	1935.00	48.28	67.28
		Middle	1960.00	48.24	66.63
		High	1985.00	47.98	62.88
	256QAM	Low	1935.00	48.23	66.57
		Middle	1960.00	48.26	66.93
		High	1985.00	47.71	59.07

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1935.00	133.79	133.56	133.14	131.32
1960.00	130.98	129.94	129.40	130.45
1985.00	121.75	122.15	123.31	119.54

(4 Port) B66 DSS 10 MHz 9to1 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.86	38.51
	16QAM	Middle	2145.00	45.82	38.19
	64QAM	Middle	2145.00	45.82	38.20
	256QAM	Middle	2145.00	45.85	38.41

(4 Port) B66 DSS 10 MHz 8to2 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.73	37.40
	16QAM	Middle	2145.00	45.90	38.90
	64QAM	Middle	2145.00	45.88	38.71
	256QAM	Middle	2145.00	45.84	38.34

(4 Port) B66 DSS 10 MHz 7to3 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.87	38.67
	16QAM	Middle	2145.00	45.87	38.63
	64QAM	Middle	2145.00	45.90	38.91
	256QAM	Middle	2145.00	45.82	38.15

(4 Port) B66 DSS 10 MHz 6to4 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.88	38.74
	16QAM	Middle	2145.00	45.88	38.77
	64QAM	Middle	2145.00	45.85	38.43
	256QAM	Middle	2145.00	45.84	38.34

(4 Port) B66 DSS 10 MHz 5to5 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.92	39.12
	16QAM	Middle	2145.00	45.90	38.93
	64QAM	Middle	2145.00	45.88	38.70
	256QAM	Middle	2145.00	45.91	39.00

(4 Port) B66 DSS 10 MHz 4to6 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.83	38.31
	16QAM	Middle	2145.00	45.85	38.50
	64QAM	Middle	2145.00	45.88	38.71
	256QAM	Middle	2145.00	45.86	38.59

(4 Port) B66 DSS 10 MHz 3to7 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.86	38.55
	16QAM	Middle	2145.00	45.85	38.45
	64QAM	Middle	2145.00	45.82	38.19
	256QAM	Middle	2145.00	45.77	37.76

(4 Port) B66 DSS 10 MHz 2to8 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.00	45.88	38.77
	16QAM	Middle	2145.00	45.84	38.38
	64QAM	Middle	2145.00	45.87	38.62
	256QAM	Middle	2145.00	45.80	38.01

* The worst LTE:NR ratio is 5:5.

(4 Port) B66 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2115.00	45.62	36.51
		Middle	2145.00	45.92	39.12
		High	2175.00	45.75	37.55
	16QAM	Low	2115.00	45.58	36.13
		Middle	2145.00	45.90	38.93
		High	2175.00	45.54	35.84
	64QAM	Low	2115.00	45.59	36.20
		Middle	2145.00	45.88	38.70
		High	2175.00	45.77	37.75
	256QAM	Low	2115.00	45.62	36.44
		Middle	2145.00	45.91	39.00
		High	2175.00	45.70	37.17
1	QPSK	Low	2115.00	45.61	36.37
		Middle	2145.00	45.94	39.23
		High	2175.00	45.65	36.75
	16QAM	Low	2115.00	45.72	37.29
		Middle	2145.00	45.91	39.03
		High	2175.00	45.68	36.94
	64QAM	Low	2115.00	45.68	36.96
		Middle	2145.00	45.86	38.51
		High	2175.00	45.72	37.33
	256QAM	Low	2115.00	45.70	37.14
		Middle	2145.00	45.96	39.40
		High	2175.00	45.73	37.42

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2115.00	45.84	38.40
		Middle	2145.00	46.12	40.92
		High	2175.00	45.93	39.13
	16QAM	Low	2115.00	45.82	38.23
		Middle	2145.00	46.22	41.93
		High	2175.00	45.89	38.77
	64QAM	Low	2115.00	45.92	39.09
		Middle	2145.00	46.20	41.69
		High	2175.00	45.92	39.08
	256QAM	Low	2115.00	45.90	38.94
		Middle	2145.00	46.19	41.55
		High	2175.00	45.89	38.77
3	QPSK	Low	2115.00	45.78	37.82
		Middle	2145.00	46.43	43.98
		High	2175.00	46.10	40.70
	16QAM	Low	2115.00	45.97	39.51
		Middle	2145.00	46.53	44.97
		High	2175.00	46.06	40.32
	64QAM	Low	2115.00	45.99	39.69
		Middle	2145.00	46.45	44.12
		High	2175.00	46.05	40.32
	256QAM	Low	2115.00	46.00	39.80
		Middle	2145.00	46.40	43.60
		High	2175.00	46.13	41.02

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2115.00	149.09	151.16	151.94	152.32
2145.00	163.25	164.86	163.01	163.56
2175.00	154.12	151.87	154.48	154.38

(2 Port) B66 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2115.00	48.68	73.74
		Middle	2145.00	48.68	73.72
		High	2175.00	48.56	71.78
	16QAM	Low	2115.00	48.70	74.18
		Middle	2145.00	48.70	74.18
		High	2175.00	48.56	71.73
	64QAM	Low	2115.00	48.70	74.10
		Middle	2145.00	48.73	74.70
		High	2175.00	48.61	72.56
	256QAM	Low	2115.00	48.71	74.32
		Middle	2145.00	48.79	75.72
		High	2175.00	48.61	72.64
1	QPSK	Low	2115.00	48.55	71.63
		Middle	2145.00	48.85	76.74
		High	2175.00	48.75	75.01
	16QAM	Low	2115.00	48.55	71.55
		Middle	2145.00	48.80	75.89
		High	2175.00	48.77	75.27
	64QAM	Low	2115.00	48.55	71.58
		Middle	2145.00	48.99	79.23
		High	2175.00	48.73	74.61
	256QAM	Low	2115.00	48.60	72.39
		Middle	2145.00	48.96	78.61
		High	2175.00	48.75	74.90

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2115.00	145.37	145.73	145.68	146.71
2145.00	150.46	150.07	153.93	154.33
2175.00	146.79	147.00	147.17	147.55

Tabular Data of RF Contiguous output power

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1937.50	46.38	43.44
		Middle	1960.00	46.29	42.59
		High	1982.50	46.23	41.94
	16QAM	Low	1937.50	46.44	44.08
		Middle	1960.00	46.32	42.85
		High	1982.50	46.20	41.73
	64QAM	Low	1937.50	46.45	44.13
		Middle	1960.00	46.36	43.29
		High	1982.50	46.28	42.50
	256QAM	Low	1937.50	46.43	43.97
		Middle	1960.00	46.34	43.09
		High	1982.50	46.23	42.00
1	QPSK	Low	1937.50	46.80	47.90
		Middle	1960.00	46.58	45.53
		High	1982.50	46.51	44.79
	16QAM	Low	1937.50	46.67	46.46
		Middle	1960.00	46.50	44.64
		High	1982.50	46.48	44.48
	64QAM	Low	1937.50	46.67	46.42
		Middle	1960.00	46.63	46.06
		High	1982.50	46.47	44.34
	256QAM	Low	1937.50	46.68	46.54
		Middle	1960.00	46.50	44.70
		High	1982.50	46.48	44.48

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1937.50	46.19	41.55
		Middle	1960.00	46.00	39.79
		High	1982.50	45.88	38.73
	16QAM	Low	1937.50	46.16	41.30
		Middle	1960.00	46.08	40.52
		High	1982.50	45.96	39.44
	64QAM	Low	1937.50	46.19	41.54
		Middle	1960.00	45.97	39.57
		High	1982.50	45.92	39.13
	256QAM	Low	1937.50	46.20	41.73
		Middle	1960.00	46.01	39.91
		High	1982.50	45.90	38.86
3	QPSK	Low	1937.50	46.28	42.46
		Middle	1960.00	45.96	39.43
		High	1982.50	45.91	39.03
	16QAM	Low	1937.50	46.21	41.76
		Middle	1960.00	46.00	39.81
		High	1982.50	45.90	38.94
	64QAM	Low	1937.50	46.24	42.04
		Middle	1960.00	46.02	40.01
		High	1982.50	45.97	39.49
	256QAM	Low	1937.50	46.17	41.39
		Middle	1960.00	45.98	39.60
		High	1982.50	45.93	39.21

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1937.50	175.35	173.60	174.13	173.64
1960.00	167.34	167.83	168.93	167.30
1982.50	164.49	164.59	165.46	164.55

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1940.00	46.58	45.53
		Middle	1960.00	46.56	45.31
		High	1980.00	46.40	43.70
	16QAM	Low	1940.00	46.48	44.44
		Middle	1960.00	46.61	45.80
		High	1980.00	46.37	43.35
	64QAM	Low	1940.00	46.45	44.19
		Middle	1960.00	46.54	45.12
		High	1980.00	46.44	44.07
	256QAM	Low	1940.00	46.47	44.39
		Middle	1960.00	46.51	44.80
		High	1980.00	46.44	44.04
1	QPSK	Low	1940.00	46.67	46.45
		Middle	1960.00	46.73	47.10
		High	1980.00	46.63	46.07
	16QAM	Low	1940.00	46.72	46.98
		Middle	1960.00	46.66	46.30
		High	1980.00	46.68	46.58
	64QAM	Low	1940.00	46.70	46.82
		Middle	1960.00	46.59	45.66
		High	1980.00	46.58	45.46
	256QAM	Low	1940.00	46.71	46.90
		Middle	1960.00	46.58	45.50
		High	1980.00	46.66	46.33

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1940.00	46.25	42.18
		Middle	1960.00	46.25	42.19
		High	1980.00	46.23	42.01
	16QAM	Low	1940.00	46.27	42.36
		Middle	1960.00	46.25	42.17
		High	1980.00	46.18	41.51
	64QAM	Low	1940.00	46.27	42.38
		Middle	1960.00	46.22	41.90
		High	1980.00	46.18	41.47
	256QAM	Low	1940.00	46.26	42.25
		Middle	1960.00	46.26	42.24
		High	1980.00	46.20	41.67
3	QPSK	Low	1940.00	46.34	43.09
		Middle	1960.00	46.21	41.83
		High	1980.00	46.21	41.82
	16QAM	Low	1940.00	46.35	43.14
		Middle	1960.00	46.21	41.82
		High	1980.00	46.25	42.17
	64QAM	Low	1940.00	46.37	43.40
		Middle	1960.00	46.21	41.74
		High	1980.00	46.19	41.57
	256QAM	Low	1940.00	46.33	42.98
		Middle	1960.00	46.20	41.72
		High	1980.00	46.17	41.36

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1940.00	177.25	176.93	176.79	176.53
1960.00	176.43	176.10	174.42	174.25
1980.00	173.61	173.62	172.56	173.40

(2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1937.50	47.93	62.12
		Middle	1960.00	47.92	61.92
		High	1982.50	47.78	60.02
	16QAM	Low	1937.50	47.92	61.94
		Middle	1960.00	47.92	61.97
		High	1982.50	47.76	59.69
	64QAM	Low	1937.50	47.96	62.46
		Middle	1960.00	47.81	60.46
		High	1982.50	47.78	59.99
	256QAM	Low	1937.50	47.90	61.73
		Middle	1960.00	47.85	61.01
		High	1982.50	47.80	60.28
1	QPSK	Low	1937.50	48.25	66.87
		Middle	1960.00	48.12	64.86
		High	1982.50	48.02	63.31
	16QAM	Low	1937.50	48.22	66.44
		Middle	1960.00	48.15	65.30
		High	1982.50	47.99	62.91
	64QAM	Low	1937.50	48.18	65.69
		Middle	1960.00	48.09	64.45
		High	1982.50	47.97	62.65
	256QAM	Low	1937.50	48.20	66.08
		Middle	1960.00	48.08	64.30
		High	1982.50	48.02	63.34

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1937.50	128.98	128.38	128.15	127.82
1960.00	126.78	127.27	124.91	125.31
1982.50	123.33	122.60	122.64	123.63

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2117.50	47.40	54.97
		Middle	2145.00	47.67	58.44
		High	2172.50	47.40	55.00
	16QAM	Low	2117.50	47.67	58.48
		Middle	2145.00	47.64	58.04
		High	2172.50	47.42	55.20
	64QAM	Low	2117.50	47.61	57.64
		Middle	2145.00	47.66	58.33
		High	2172.50	47.42	55.25
	256QAM	Low	2117.50	47.65	58.22
		Middle	2145.00	47.46	55.77
		High	2172.50	47.44	55.44
1	QPSK	Low	2117.50	47.47	55.87
		Middle	2145.00	47.57	57.17
		High	2172.50	47.54	56.77
	16QAM	Low	2117.50	47.54	56.73
		Middle	2145.00	47.58	57.21
		High	2172.50	47.56	56.98
	64QAM	Low	2117.50	47.61	57.65
		Middle	2145.00	47.66	58.37
		High	2172.50	47.57	57.19
	256QAM	Low	2117.50	47.60	57.56
		Middle	2145.00	47.63	57.93
		High	2172.50	47.57	57.16

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2117.50	47.80	60.19
		Middle	2145.00	47.92	61.90
		High	2172.50	47.77	59.88
	16QAM	Low	2117.50	47.77	59.81
		Middle	2145.00	48.01	63.21
		High	2172.50	47.82	60.48
	64QAM	Low	2117.50	47.77	59.84
		Middle	2145.00	47.98	62.83
		High	2172.50	47.78	60.05
	256QAM	Low	2117.50	47.80	60.31
		Middle	2145.00	48.05	63.89
		High	2172.50	47.78	59.97
3	QPSK	Low	2117.50	47.87	61.18
		Middle	2145.00	48.07	64.08
		High	2172.50	47.71	59.06
	16QAM	Low	2117.50	47.88	61.38
		Middle	2145.00	48.05	63.89
		High	2172.50	47.85	60.88
	64QAM	Low	2117.50	47.81	60.34
		Middle	2145.00	48.13	64.97
		High	2172.50	47.88	61.39
	256QAM	Low	2117.50	47.81	60.44
		Middle	2145.00	48.11	64.70
		High	2172.50	47.94	62.24

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2117.50	232.20	236.40	235.47	236.53
2145.00	241.59	242.35	244.51	242.28
2172.50	230.72	233.53	233.87	234.81

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2125.00	47.89	61.55
		Middle	2145.00	47.50	56.25
		High	2165.00	47.62	57.82
	16QAM	Low	2125.00	47.89	61.48
		Middle	2145.00	47.61	57.66
		High	2165.00	47.56	57.04
	64QAM	Low	2125.00	47.89	61.50
		Middle	2145.00	47.70	58.82
		High	2165.00	47.68	58.61
	256QAM	Low	2125.00	47.89	61.56
		Middle	2145.00	47.78	60.01
		High	2165.00	47.73	59.25
1	QPSK	Low	2125.00	47.55	56.89
		Middle	2145.00	47.72	59.09
		High	2165.00	47.60	57.53
	16QAM	Low	2125.00	47.57	57.11
		Middle	2145.00	47.74	59.39
		High	2165.00	47.69	58.75
	64QAM	Low	2125.00	47.62	57.84
		Middle	2145.00	47.73	59.25
		High	2165.00	47.71	58.97
	256QAM	Low	2125.00	47.60	57.54
		Middle	2145.00	47.69	58.69
		High	2165.00	47.68	58.57

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2125.00	47.74	59.42
		Middle	2145.00	48.05	63.81
		High	2165.00	47.85	60.93
	16QAM	Low	2125.00	47.83	60.69
		Middle	2145.00	47.94	62.29
		High	2165.00	47.87	61.24
	64QAM	Low	2125.00	47.90	61.63
		Middle	2145.00	47.95	62.33
		High	2165.00	47.88	61.35
	256QAM	Low	2125.00	47.90	61.66
		Middle	2145.00	47.99	62.94
		High	2165.00	47.87	61.19
3	QPSK	Low	2125.00	47.85	61.01
		Middle	2145.00	48.01	63.23
		High	2165.00	47.68	58.61
	16QAM	Low	2125.00	47.95	62.43
		Middle	2145.00	48.00	63.12
		High	2165.00	47.92	61.87
	64QAM	Low	2125.00	47.94	62.30
		Middle	2145.00	47.98	62.75
		High	2165.00	47.95	62.40
	256QAM	Low	2125.00	47.95	62.36
		Middle	2145.00	48.00	63.05
		High	2165.00	47.96	62.46

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2125.00	238.86	241.70	243.27	243.12
2145.00	242.37	242.46	243.15	244.69
2165.00	234.89	238.90	241.33	241.48

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2117.50	48.99	79.29
		Middle	2145.00	49.43	87.76
		High	2172.50	49.16	82.41
	16QAM	Low	2117.50	49.06	80.57
		Middle	2145.00	49.50	89.19
		High	2172.50	49.16	82.51
	64QAM	Low	2117.50	49.08	80.98
		Middle	2145.00	49.50	89.21
		High	2172.50	49.16	82.49
	256QAM	Low	2117.50	49.25	84.04
		Middle	2145.00	49.54	89.85
		High	2172.50	49.12	81.70
1	QPSK	Low	2117.50	49.06	80.52
		Middle	2145.00	49.33	85.70
		High	2172.50	49.21	83.35
	16QAM	Low	2117.50	49.22	83.54
		Middle	2145.00	49.31	85.27
		High	2172.50	49.18	82.85
	64QAM	Low	2117.50	49.17	82.58
		Middle	2145.00	49.37	86.58
		High	2172.50	49.19	82.97
	256QAM	Low	2117.50	49.27	84.53
		Middle	2145.00	49.39	86.94
		High	2172.50	49.18	82.72

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2117.50	159.81	164.12	163.57	168.57
2145.00	173.46	174.46	175.78	176.78
2172.50	165.76	165.36	165.46	164.41

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2120.00	46.84	48.27
		Middle	2145.00	46.90	48.98
		High	2170.00	46.83	48.21
	16QAM	Low	2120.00	46.87	48.61
		Middle	2145.00	46.92	49.24
		High	2170.00	46.84	48.28
	64QAM	Low	2120.00	46.82	48.14
		Middle	2145.00	46.92	49.22
		High	2170.00	46.81	47.93
	256QAM	Low	2120.00	46.82	48.05
		Middle	2145.00	46.98	49.92
		High	2170.00	46.84	48.31
1	QPSK	Low	2120.00	46.82	48.08
		Middle	2145.00	46.89	48.92
		High	2170.00	47.05	50.75
	16QAM	Low	2120.00	46.83	48.23
		Middle	2145.00	47.01	50.29
		High	2170.00	47.02	50.33
	64QAM	Low	2120.00	46.83	48.23
		Middle	2145.00	46.95	49.60
		High	2170.00	46.90	48.94
	256QAM	Low	2120.00	46.88	48.79
		Middle	2145.00	46.87	48.67
		High	2170.00	46.91	49.14

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2120.00	47.11	51.43
		Middle	2145.00	47.49	56.17
		High	2170.00	47.13	51.68
	16QAM	Low	2120.00	47.08	51.04
		Middle	2145.00	47.47	55.85
		High	2170.00	47.07	50.89
	64QAM	Low	2120.00	47.12	51.50
		Middle	2145.00	47.45	55.55
		High	2170.00	47.10	51.29
	256QAM	Low	2120.00	47.09	51.17
		Middle	2145.00	47.47	55.89
		High	2170.00	47.03	50.42
3	QPSK	Low	2120.00	47.33	54.10
		Middle	2145.00	48.03	63.47
		High	2170.00	47.35	54.30
	16QAM	Low	2120.00	47.36	54.43
		Middle	2145.00	48.01	63.30
		High	2170.00	47.33	54.09
	64QAM	Low	2120.00	47.37	54.54
		Middle	2145.00	47.96	62.59
		High	2170.00	47.36	54.49
	256QAM	Low	2120.00	47.33	54.11
		Middle	2145.00	47.90	61.70
		High	2170.00	47.32	53.94

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00	201.88	202.30	202.40	202.12
2145.00	217.54	218.68	216.96	216.18
2170.00	204.93	203.58	202.65	201.80

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2125.00	47.30	53.73
		Middle	2145.00	47.16	51.98
		High	2165.00	46.95	49.58
	16QAM	Low	2125.00	47.34	54.18
		Middle	2145.00	47.18	52.22
		High	2165.00	47.02	50.29
	64QAM	Low	2125.00	47.35	54.33
		Middle	2145.00	47.16	51.98
		High	2165.00	47.03	50.48
	256QAM	Low	2125.00	47.33	54.06
		Middle	2145.00	47.20	52.47
		High	2165.00	47.05	50.68
1	QPSK	Low	2125.00	47.14	51.75
		Middle	2145.00	47.12	51.55
		High	2165.00	47.06	50.84
	16QAM	Low	2125.00	47.21	52.57
		Middle	2145.00	47.17	52.10
		High	2165.00	47.07	50.91
	64QAM	Low	2125.00	47.23	52.81
		Middle	2145.00	47.20	52.44
		High	2165.00	47.02	50.35
	256QAM	Low	2125.00	47.20	52.43
		Middle	2145.00	47.17	52.10
		High	2165.00	47.03	50.42

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2125.00	47.95	62.43
		Middle	2145.00	47.69	58.78
		High	2165.00	47.51	56.36
	16QAM	Low	2125.00	47.92	61.92
		Middle	2145.00	47.74	59.42
		High	2165.00	47.48	55.95
	64QAM	Low	2125.00	47.93	62.12
		Middle	2145.00	47.70	58.87
		High	2165.00	47.46	55.72
	256QAM	Low	2125.00	47.93	62.10
		Middle	2145.00	47.70	58.84
		High	2165.00	47.46	55.76
3	QPSK	Low	2125.00	47.93	62.12
		Middle	2145.00	47.77	59.84
		High	2165.00	47.62	57.76
	16QAM	Low	2125.00	48.00	63.12
		Middle	2145.00	47.79	60.15
		High	2165.00	47.61	57.74
	64QAM	Low	2125.00	47.90	61.66
		Middle	2145.00	47.75	59.62
		High	2165.00	47.66	58.38
	256QAM	Low	2125.00	47.90	61.66
		Middle	2145.00	47.82	60.59
		High	2165.00	47.61	57.70

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2125.00	230.02	231.78	230.91	230.26
2145.00	222.14	223.87	222.91	224.00
2165.00	214.54	214.89	214.93	214.56

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2120.00	48.91	77.82
		Middle	2145.00	49.12	81.58
		High	2170.00	48.91	77.73
	16QAM	Low	2120.00	48.84	76.56
		Middle	2145.00	49.18	82.74
		High	2170.00	49.01	79.65
	64QAM	Low	2120.00	48.87	77.07
		Middle	2145.00	49.18	82.72
		High	2170.00	49.03	80.06
	256QAM	Low	2120.00	48.92	77.95
		Middle	2145.00	49.28	84.68
		High	2170.00	49.08	80.89
1	QPSK	Low	2120.00	48.90	77.68
		Middle	2145.00	49.07	80.67
		High	2170.00	48.97	78.89
	16QAM	Low	2120.00	48.96	78.69
		Middle	2145.00	49.16	82.38
		High	2170.00	48.97	78.96
	64QAM	Low	2120.00	48.96	78.70
		Middle	2145.00	49.20	83.18
		High	2170.00	49.04	80.26
	256QAM	Low	2120.00	48.96	78.67
		Middle	2145.00	49.14	82.02
		High	2170.00	49.02	79.85

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00	155.50	155.25	155.78	156.62
2145.00	162.25	165.11	165.89	166.70
2170.00	156.62	158.61	160.32	160.75

Tabular Data of RF Non-Contiguous output power

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1935.00 + 1987.50	46.18	41.49
	16QAM	1935.00 + 1987.50	46.19	41.62
	64QAM	1935.00 + 1987.50	46.24	42.05
	256QAM	1935.00 + 1987.50	46.20	41.66
1	QPSK	1935.00 + 1987.50	46.47	44.33
	16QAM	1935.00 + 1987.50	46.54	45.06
	64QAM	1935.00 + 1987.50	46.48	44.42
	256QAM	1935.00 + 1987.50	46.47	44.33
2	QPSK	1935.00 + 1987.50	46.00	39.82
	16QAM	1935.00 + 1987.50	45.97	39.55
	64QAM	1935.00 + 1987.50	45.96	39.43
	256QAM	1935.00 + 1987.50	45.88	38.75
3	QPSK	1935.00 + 1987.50	45.92	39.08
	16QAM	1935.00 + 1987.50	45.97	39.56
	64QAM	1935.00 + 1987.50	46.07	40.43
	256QAM	1935.00 + 1987.50	46.01	39.93

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1935.00 + 1987.50	164.72	165.79	166.34	164.66

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1935.00 + 1985.00	46.53	44.95
	16QAM	1935.00 + 1985.00	46.48	44.46
	64QAM	1935.00 + 1985.00	46.49	44.52
	256QAM	1935.00 + 1985.00	46.44	44.06
1	QPSK	1935.00 + 1985.00	46.60	45.71
	16QAM	1935.00 + 1985.00	46.67	46.45
	64QAM	1935.00 + 1985.00	46.69	46.70
	256QAM	1935.00 + 1985.00	46.73	47.06
2	QPSK	1935.00 + 1985.00	46.22	41.85
	16QAM	1935.00 + 1985.00	46.22	41.84
	64QAM	1935.00 + 1985.00	46.21	41.81
	256QAM	1935.00 + 1985.00	46.26	42.28
3	QPSK	1935.00 + 1985.00	46.18	41.54
	16QAM	1935.00 + 1985.00	46.29	42.58
	64QAM	1935.00 + 1985.00	46.31	42.72
	256QAM	1935.00 + 1985.00	46.26	42.26

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1935.00 + 1985.00	174.06	175.33	175.76	175.67

(2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1935.00 + 1987.50	47.69	58.75
	16QAM	1935.00 + 1987.50	47.82	60.54
	64QAM	1935.00 + 1987.50	47.81	60.41
	256QAM	1935.00 + 1987.50	47.84	60.76
1	QPSK	1935.00 + 1987.50	48.06	63.98
	16QAM	1935.00 + 1987.50	48.10	64.62
	64QAM	1935.00 + 1987.50	48.13	64.97
	256QAM	1935.00 + 1987.50	47.99	63.01

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1935.00 + 1987.50	122.73	125.16	125.39	123.77

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2112.50 + 2175.00	47.45	55.58
	16QAM	2112.50 + 2175.00	47.48	55.92
	64QAM	2112.50 + 2175.00	47.45	55.63
	256QAM	2112.50 + 2175.00	47.56	57.05
1	QPSK	2112.50 + 2175.00	47.20	52.48
	16QAM	2112.50 + 2175.00	47.26	53.20
	64QAM	2112.50 + 2175.00	47.31	53.83
	256QAM	2112.50 + 2175.00	47.37	54.56
2	QPSK	2112.50 + 2175.00	47.26	53.20
	16QAM	2112.50 + 2175.00	47.42	55.20
	64QAM	2112.50 + 2175.00	47.41	55.11
	256QAM	2112.50 + 2175.00	47.41	55.11
3	QPSK	2112.50 + 2175.00	47.29	53.53
	16QAM	2112.50 + 2175.00	47.36	54.40
	64QAM	2112.50 + 2175.00	47.46	55.73
	256QAM	2112.50 + 2175.00	47.35	54.35

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50 + 2175.00	214.80	218.73	220.31	221.07

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2120.00 + 2175.00	47.45	55.53
	16QAM	2120.00 + 2175.00	47.57	57.21
	64QAM	2120.00 + 2175.00	47.62	57.75
	256QAM	2120.00 + 2175.00	47.65	58.19
1	QPSK	2120.00 + 2175.00	47.48	56.01
	16QAM	2120.00 + 2175.00	47.57	57.13
	64QAM	2120.00 + 2175.00	47.57	57.16
	256QAM	2120.00 + 2175.00	47.56	57.07
2	QPSK	2120.00 + 2175.00	47.49	56.12
	16QAM	2120.00 + 2175.00	47.53	56.63
	64QAM	2120.00 + 2175.00	47.38	54.68
	256QAM	2120.00 + 2175.00	47.56	57.05
3	QPSK	2120.00 + 2175.00	47.63	57.89
	16QAM	2120.00 + 2175.00	47.63	57.94
	64QAM	2120.00 + 2175.00	47.58	57.26
	256QAM	2120.00 + 2175.00	47.63	58.00

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00 + 2175.00	225.56	228.92	226.85	230.31

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2112.50 + 2175.00	48.86	76.93
	16QAM	2112.50 + 2175.00	48.87	77.13
	64QAM	2112.50 + 2175.00	48.90	77.61
	256QAM	2112.50 + 2175.00	48.99	79.28
1	QPSK	2112.50 + 2175.00	48.76	75.15
	16QAM	2112.50 + 2175.00	48.69	74.00
	64QAM	2112.50 + 2175.00	48.84	76.58
	256QAM	2112.50 + 2175.00	48.77	75.27

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50 + 2175.00	152.09	151.14	154.19	154.56

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2112.50 + 2172.50	47.21	52.64
	16QAM	2112.50 + 2172.50	47.24	52.93
	64QAM	2112.50 + 2172.50	47.23	52.80
	256QAM	2112.50 + 2172.50	47.18	52.27
1	QPSK	2112.50 + 2172.50	47.20	52.44
	16QAM	2112.50 + 2172.50	47.24	52.92
	64QAM	2112.50 + 2172.50	47.21	52.58
	256QAM	2112.50 + 2172.50	47.13	51.68
2	QPSK	2112.50 + 2172.50	47.39	54.84
	16QAM	2112.50 + 2172.50	47.44	55.51
	64QAM	2112.50 + 2172.50	47.46	55.67
	256QAM	2112.50 + 2172.50	47.39	54.79
3	QPSK	2112.50 + 2172.50	47.34	54.19
	16QAM	2112.50 + 2172.50	47.43	55.37
	64QAM	2112.50 + 2172.50	47.38	54.64
	256QAM	2112.50 + 2172.50	47.47	55.81

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50 + 2172.50	214.10	216.74	215.71	214.55

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2115.00 + 2175.00	47.05	50.68
	16QAM	2115.00 + 2175.00	47.04	50.58
	64QAM	2115.00 + 2175.00	47.14	51.73
	256QAM	2115.00 + 2175.00	47.18	52.18
1	QPSK	2115.00 + 2175.00	47.16	51.98
	16QAM	2115.00 + 2175.00	47.12	51.55
	64QAM	2115.00 + 2175.00	47.21	52.60
	256QAM	2115.00 + 2175.00	47.17	52.11
2	QPSK	2115.00 + 2175.00	47.58	57.29
	16QAM	2115.00 + 2175.00	47.53	56.69
	64QAM	2115.00 + 2175.00	47.43	55.38
	256QAM	2115.00 + 2175.00	47.47	55.90
3	QPSK	2115.00 + 2175.00	47.62	57.87
	16QAM	2115.00 + 2175.00	47.57	57.11
	64QAM	2115.00 + 2175.00	47.59	57.41
	256QAM	2115.00 + 2175.00	47.48	55.98

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2115.00 + 2175.00	217.83	215.93	217.13	216.19

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2112.50 + 2167.50	47.41	55.10
	16QAM	2112.50 + 2167.50	47.44	55.42
	64QAM	2112.50 + 2167.50	47.42	55.19
	256QAM	2112.50 + 2167.50	47.37	54.64
1	QPSK	2112.50 + 2167.50	47.10	51.26
	16QAM	2112.50 + 2167.50	47.26	53.24
	64QAM	2112.50 + 2167.50	47.29	53.60
	256QAM	2112.50 + 2167.50	47.29	53.54
2	QPSK	2112.50 + 2167.50	47.42	55.24
	16QAM	2112.50 + 2167.50	47.43	55.39
	64QAM	2112.50 + 2167.50	47.45	55.53
	256QAM	2112.50 + 2167.50	47.35	54.31
3	QPSK	2112.50 + 2167.50	47.50	56.29
	16QAM	2112.50 + 2167.50	47.45	55.65
	64QAM	2112.50 + 2167.50	47.42	55.20
	256QAM	2112.50 + 2167.50	47.49	56.11

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50 + 2167.50	217.89	219.69	219.52	218.59

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2120.00 + 2175.00	47.33	54.06
	16QAM	2120.00 + 2175.00	47.33	54.07
	64QAM	2120.00 + 2175.00	47.33	54.08
	256QAM	2120.00 + 2175.00	47.25	53.05
1	QPSK	2120.00 + 2175.00	47.20	52.45
	16QAM	2120.00 + 2175.00	47.29	53.52
	64QAM	2120.00 + 2175.00	47.34	54.26
	256QAM	2120.00 + 2175.00	47.32	53.97
2	QPSK	2120.00 + 2175.00	47.49	56.12
	16QAM	2120.00 + 2175.00	47.50	56.25
	64QAM	2120.00 + 2175.00	47.45	55.57
	256QAM	2120.00 + 2175.00	47.44	55.51
3	QPSK	2120.00 + 2175.00	47.53	56.56
	16QAM	2120.00 + 2175.00	47.53	56.63
	64QAM	2120.00 + 2175.00	47.48	56.00
	256QAM	2120.00 + 2175.00	47.49	56.16

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00 + 2175.00	219.19	220.47	219.92	218.69

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2112.50 + 2172.50	48.68	73.84
	16QAM	2112.50 + 2172.50	48.75	74.91
	64QAM	2112.50 + 2172.50	48.77	75.27
	256QAM	2112.50 + 2172.50	48.71	74.35
1	QPSK	2112.50 + 2172.50	48.67	73.63
	16QAM	2112.50 + 2172.50	48.72	74.44
	64QAM	2112.50 + 2172.50	48.68	73.81
	256QAM	2112.50 + 2172.50	48.69	73.96

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50 + 2172.50	147.48	149.35	149.08	148.32

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2115.00 + 2175.00	48.77	75.32
	16QAM	2115.00 + 2175.00	48.75	75.07
	64QAM	2115.00 + 2175.00	48.81	76.03
	256QAM	2115.00 + 2175.00	48.76	75.16
1	QPSK	2115.00 + 2175.00	48.67	73.58
	16QAM	2115.00 + 2175.00	48.69	73.96
	64QAM	2115.00 + 2175.00	48.69	74.01
	256QAM	2115.00 + 2175.00	48.78	75.56

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2115.00 + 2175.00	148.91	149.03	150.04	150.72

Plot Data of RF Output Power

Antenna 0 / (4 Port) B66 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 10 MHz 1 Carrier / 16QAM / Middle



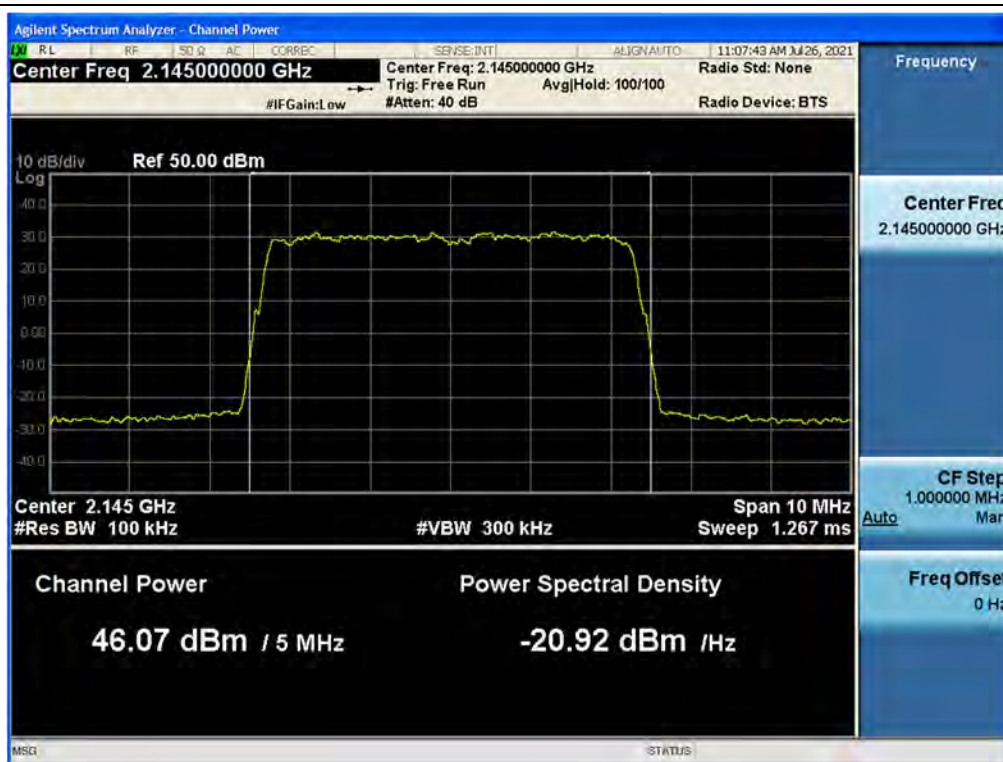
Antenna 0 / (4 Port) B66 LTE 15 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 20 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (2 Port) B66 LTE 10 MHz 1 Carrier / 256QAM / Middle



Antenna 0 / (2 Port) B66 LTE 15 MHz 1 Carrier / QPSK / Middle



Antenna 0 / (2 Port) B66 LTE 20 MHz 1 Carrier / 256QAM / Middle



Antenna 0 / (4 Port) B2 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B2 LTE 10 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (4 Port) B2 LTE 15 MHz 1 Carrier / 256QAM / Middle



Antenna 0 / (4 Port) B2 LTE 20 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (2 Port) B2 LTE 10 MHz 1 Carrier / QPSK / Middle



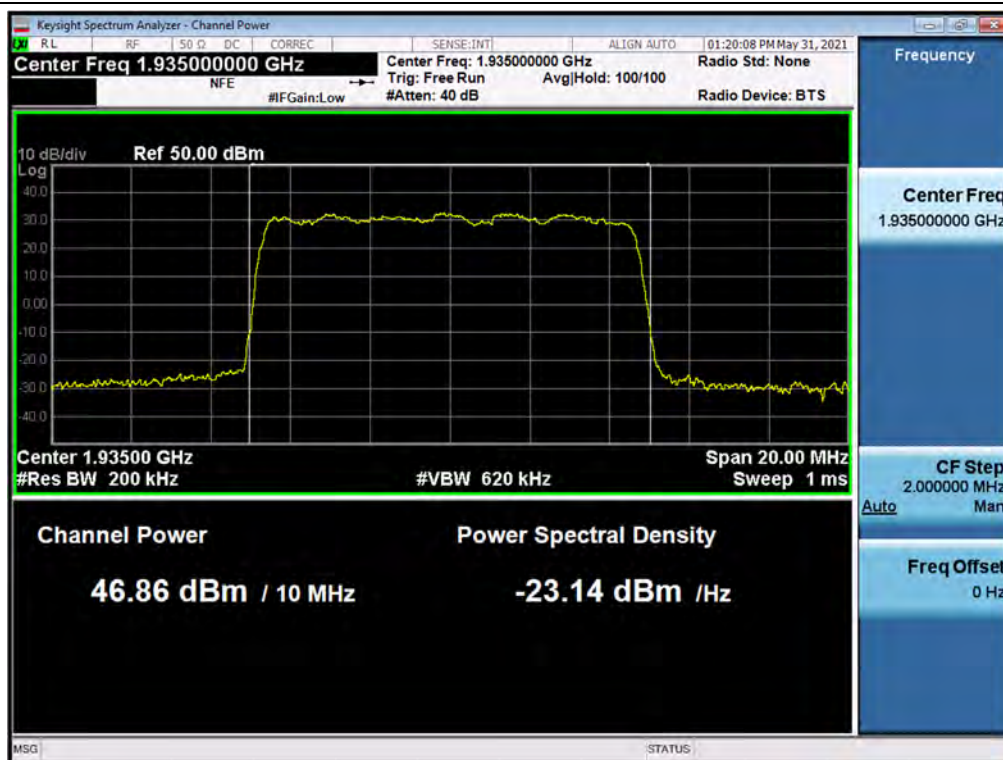
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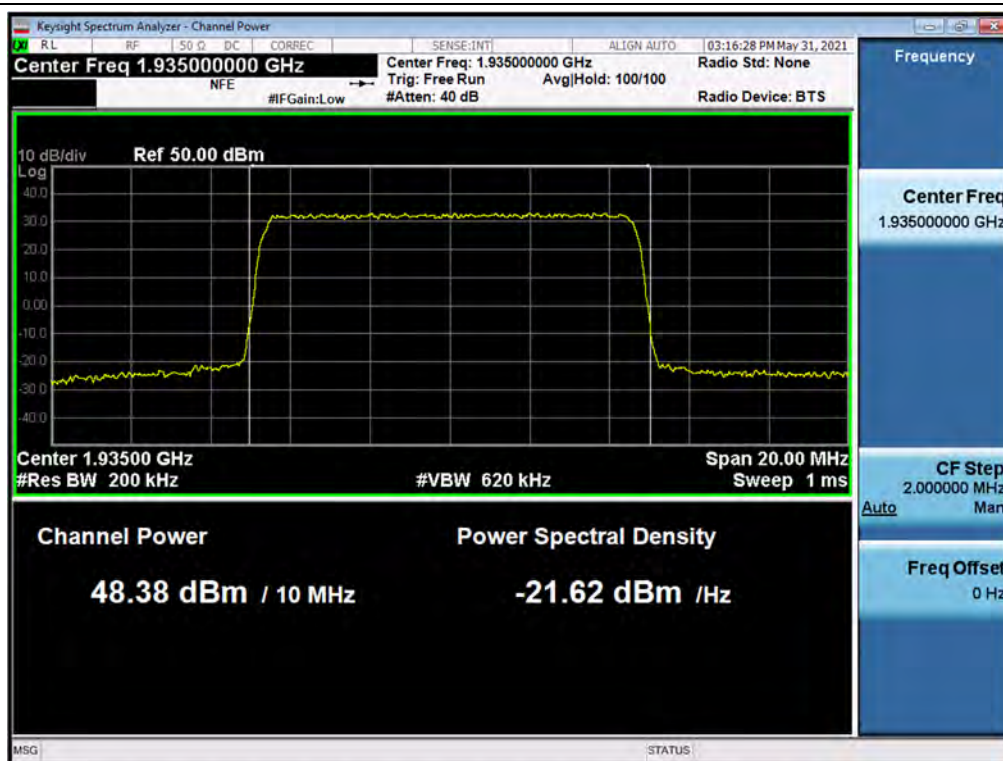
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Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier / 16QAM / Low



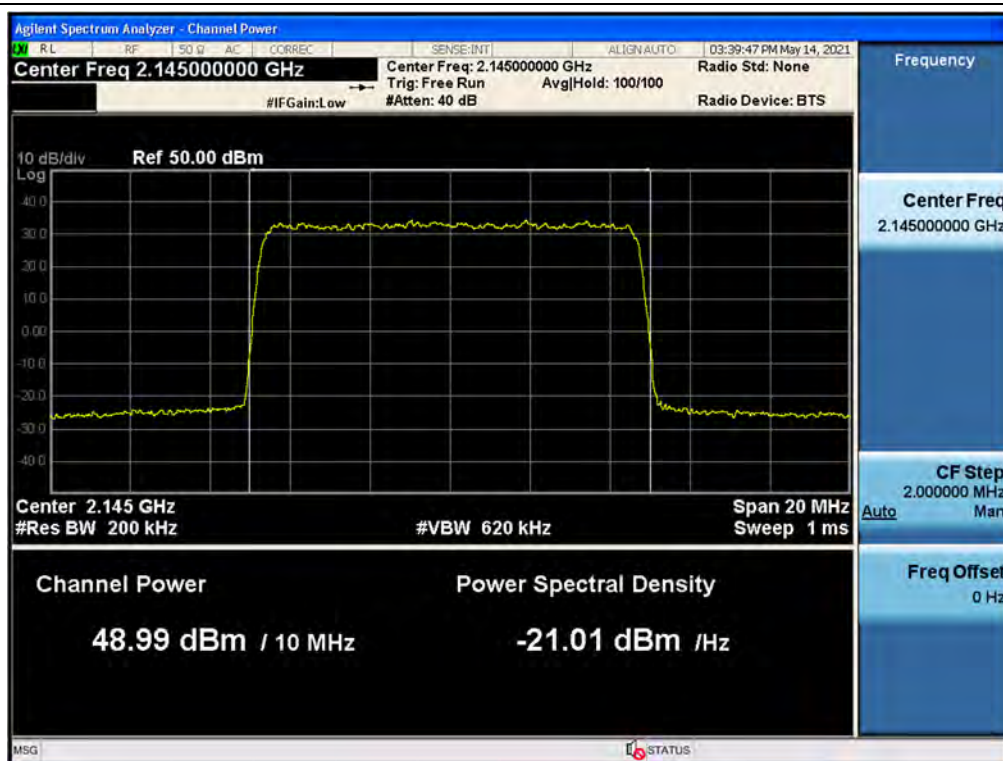
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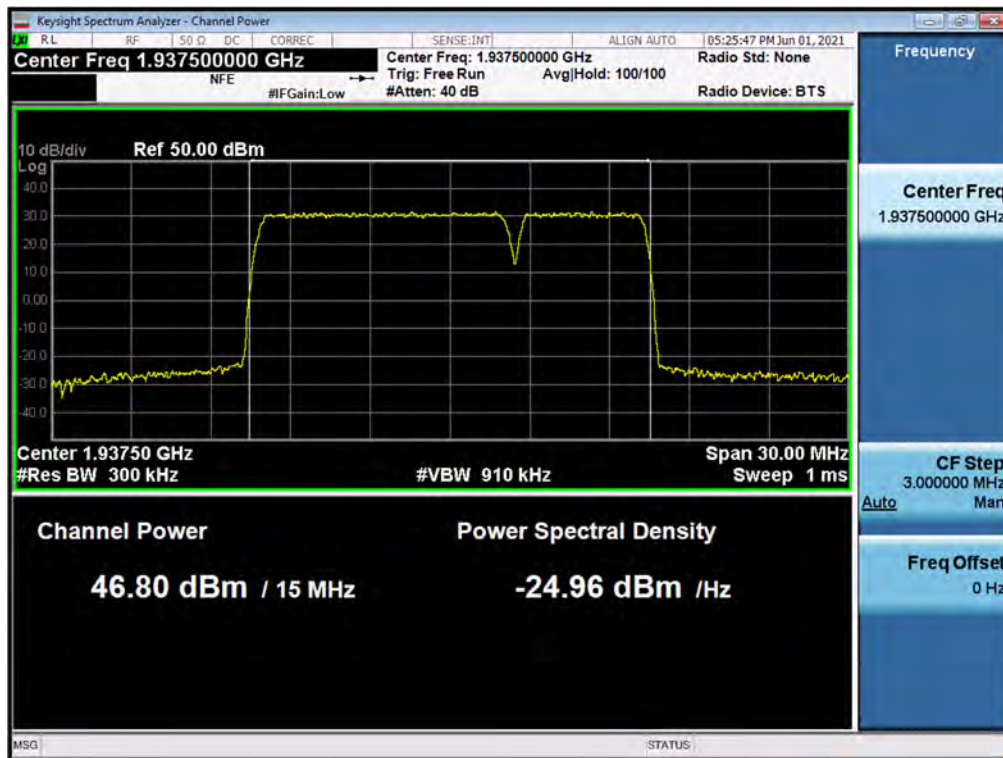
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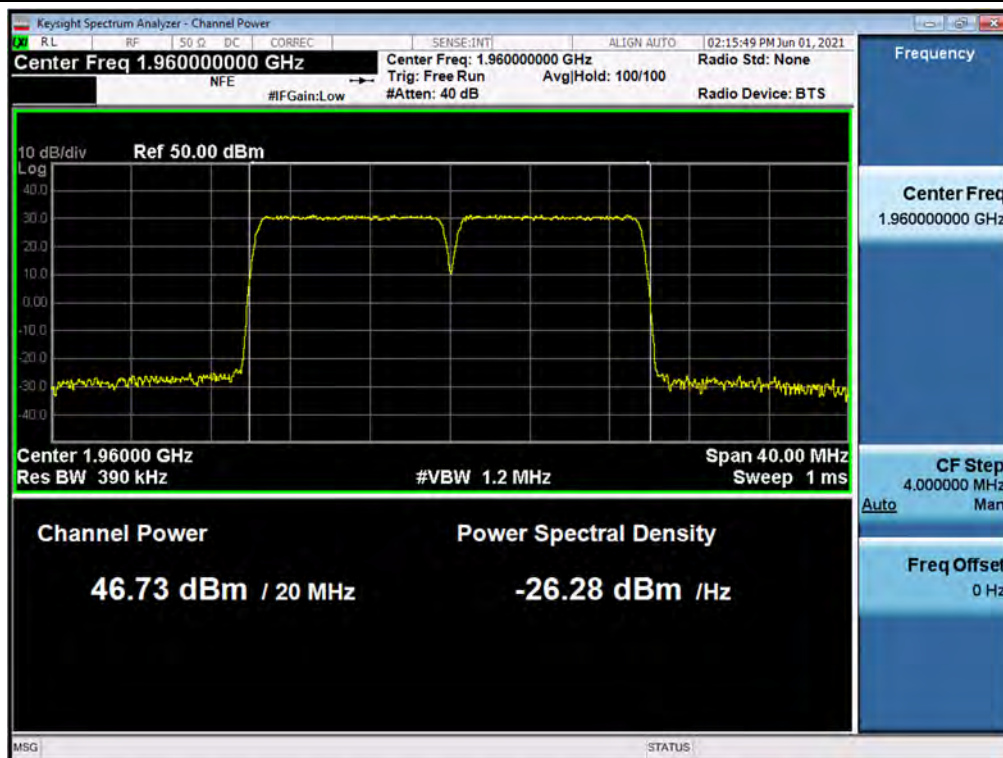
Antenna 1 / (2 Port) B66 DSS 10 MHz 1 Carrier / 64QAM / Middle



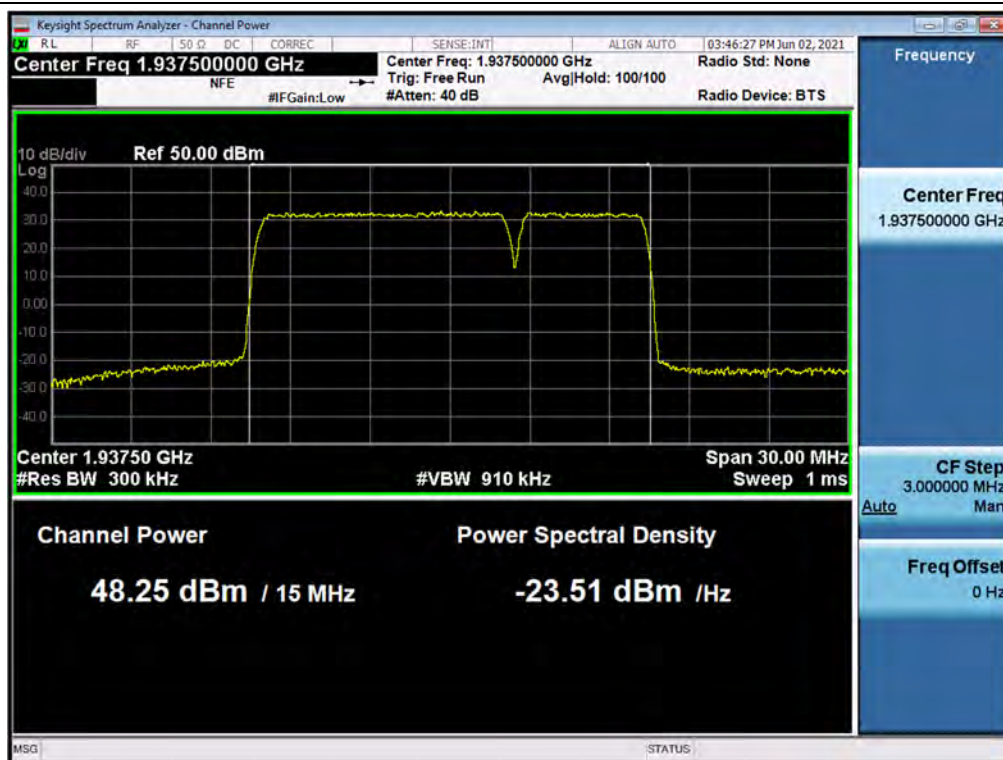
Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low



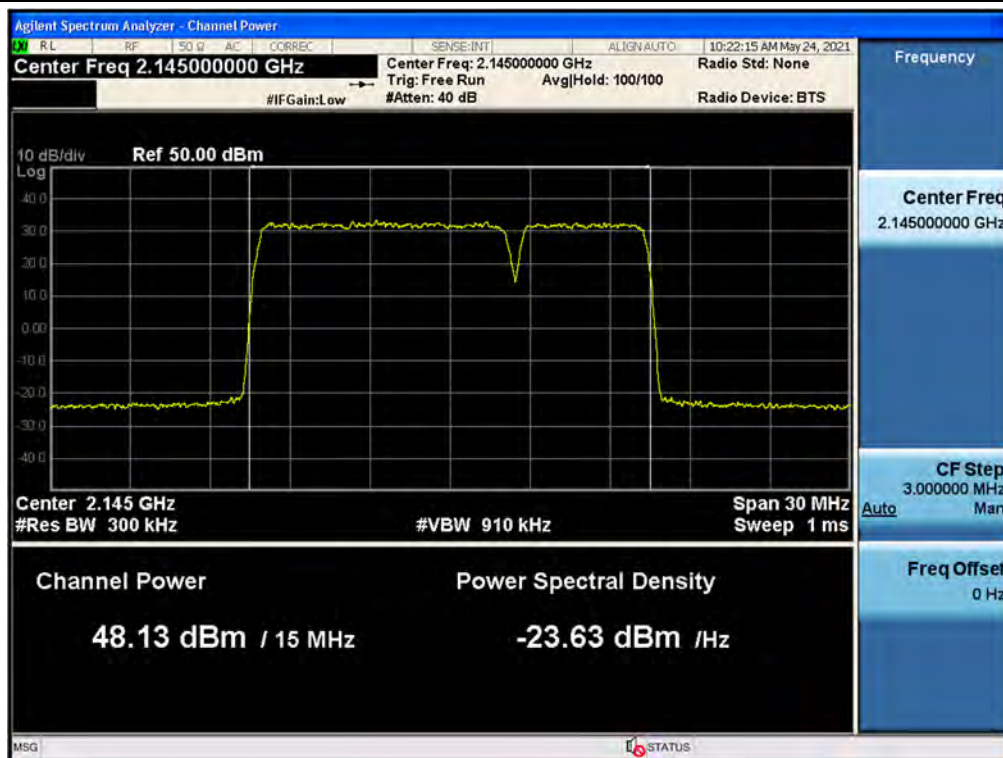
Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle



Antenna 1 / (2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low



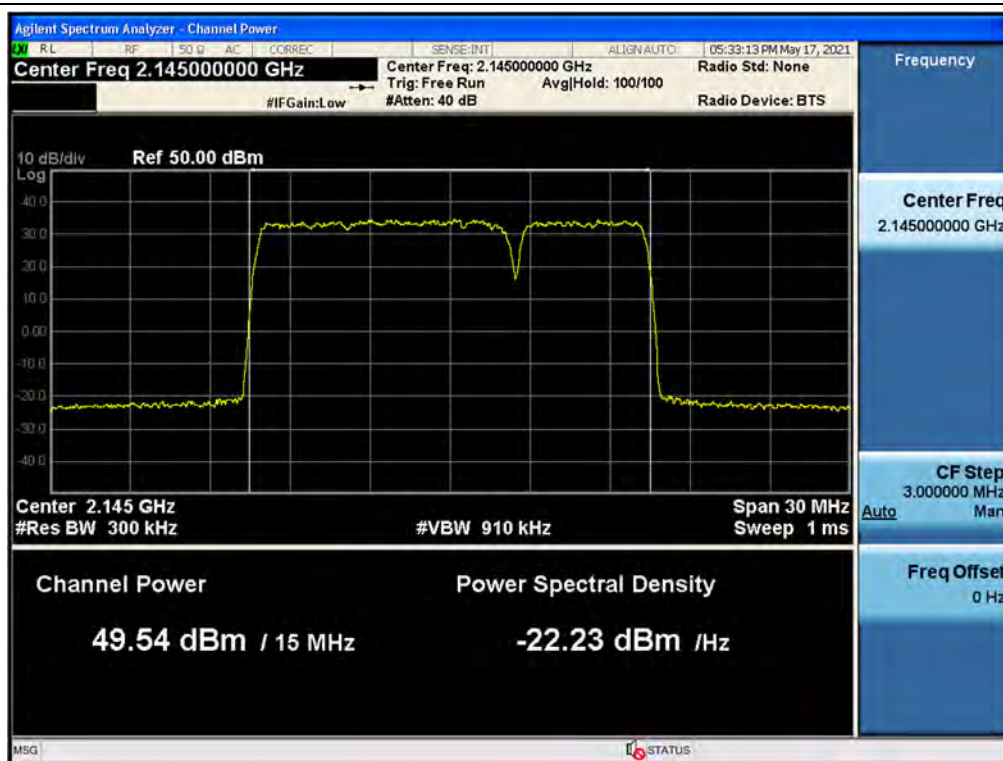
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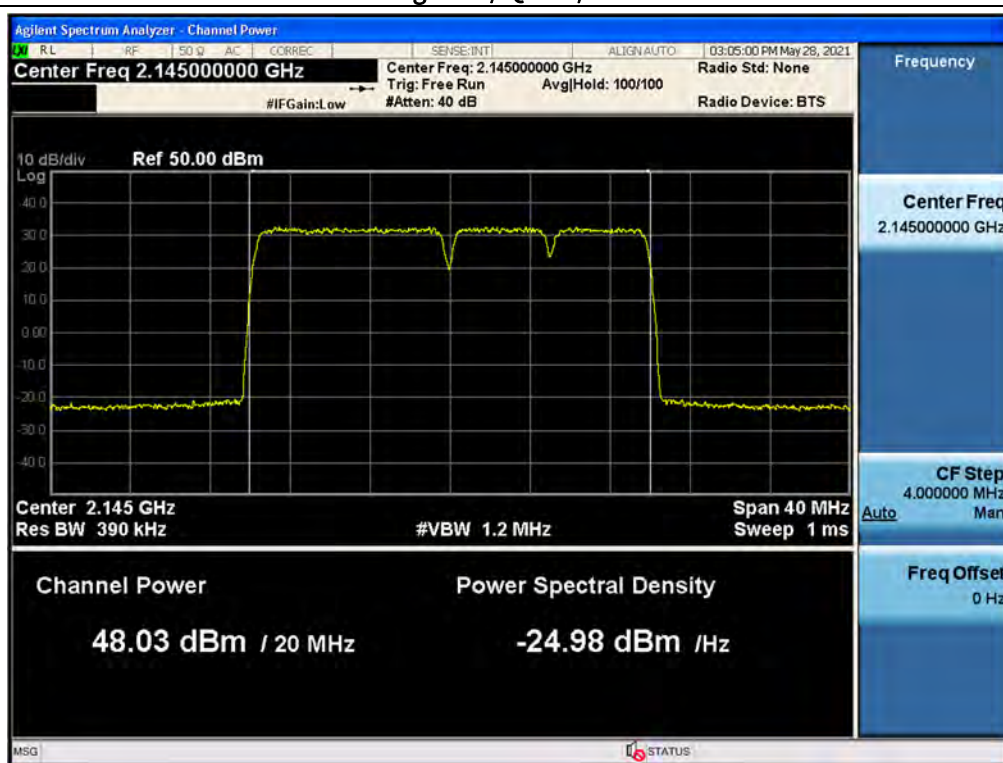
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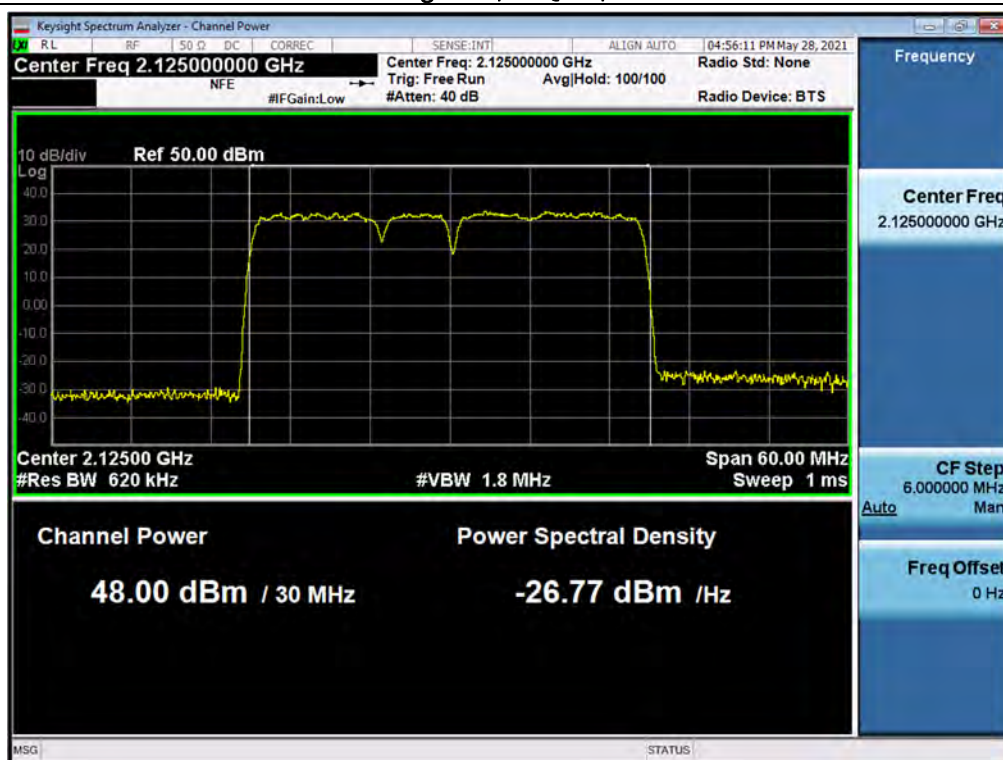
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Middle



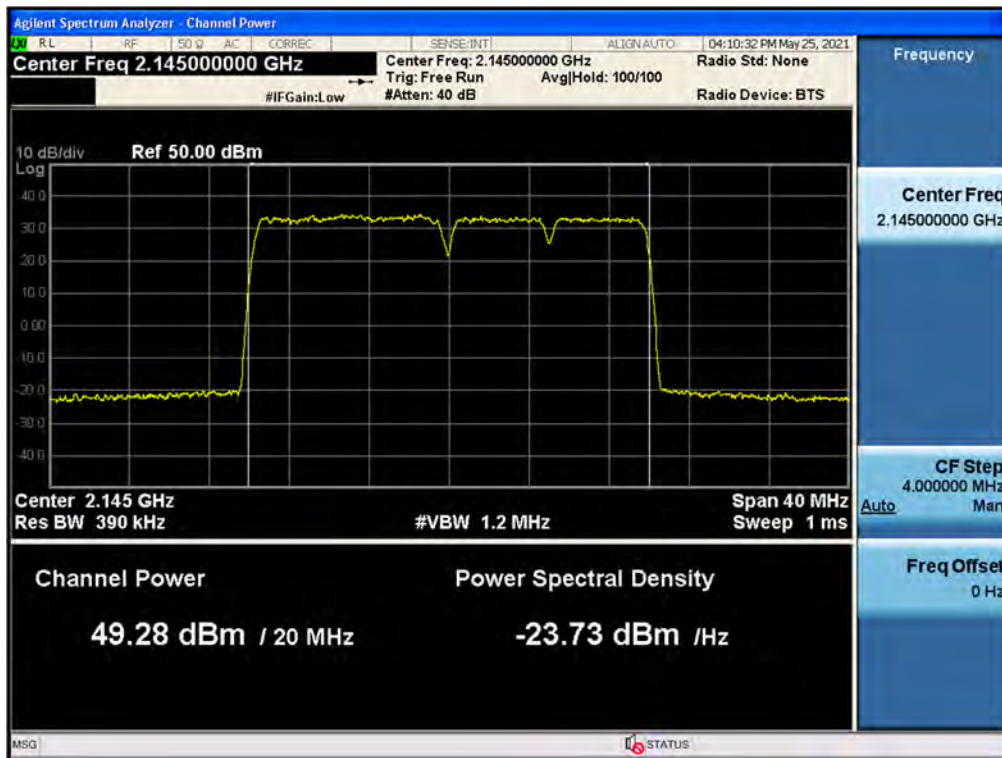
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] /
Contiguous / QPSK / Middle



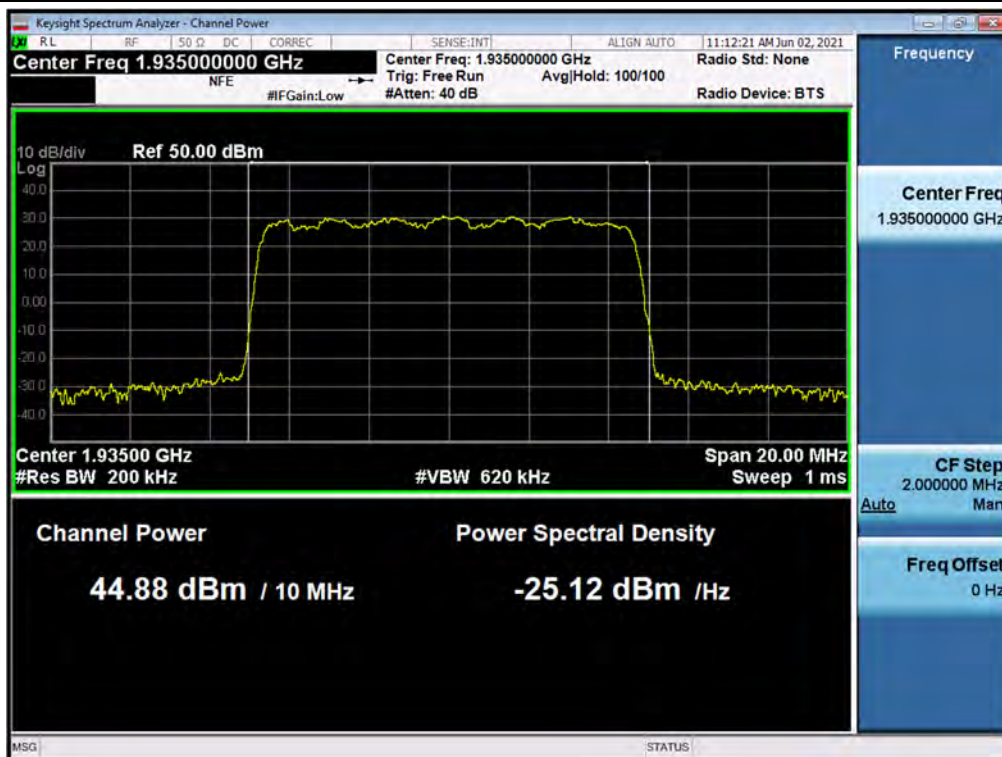
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Contiguous / 16QAM / Low



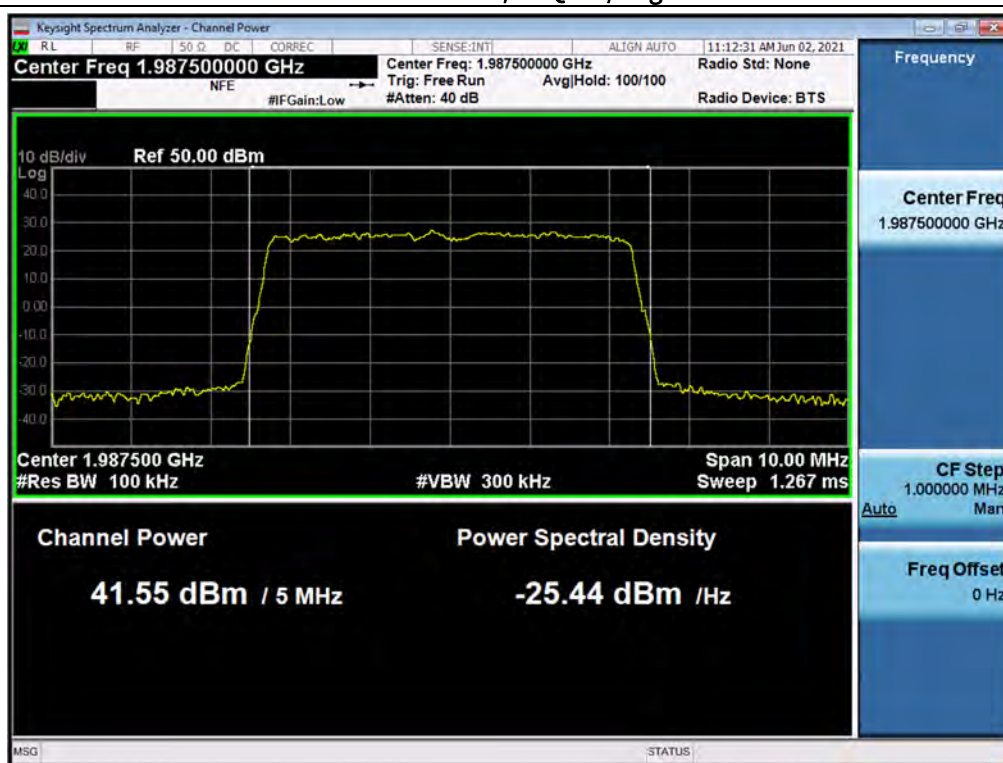
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] /
Contiguous / 256QAM / Middle



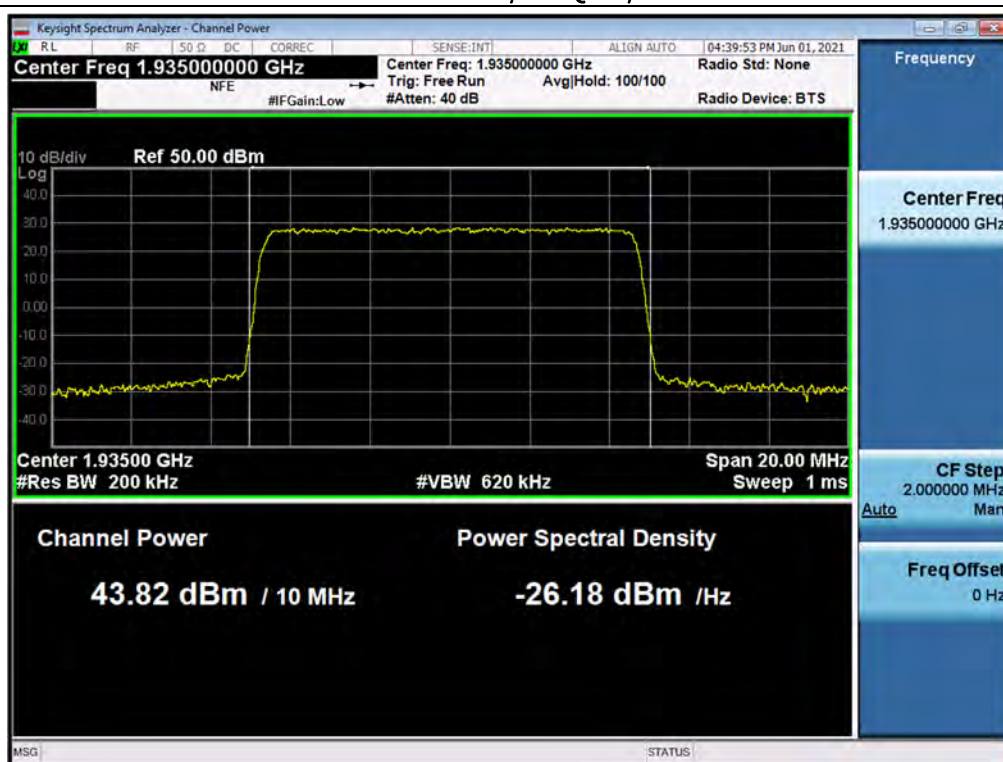
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B2 DSS 10 MHz / 16QAM / Low



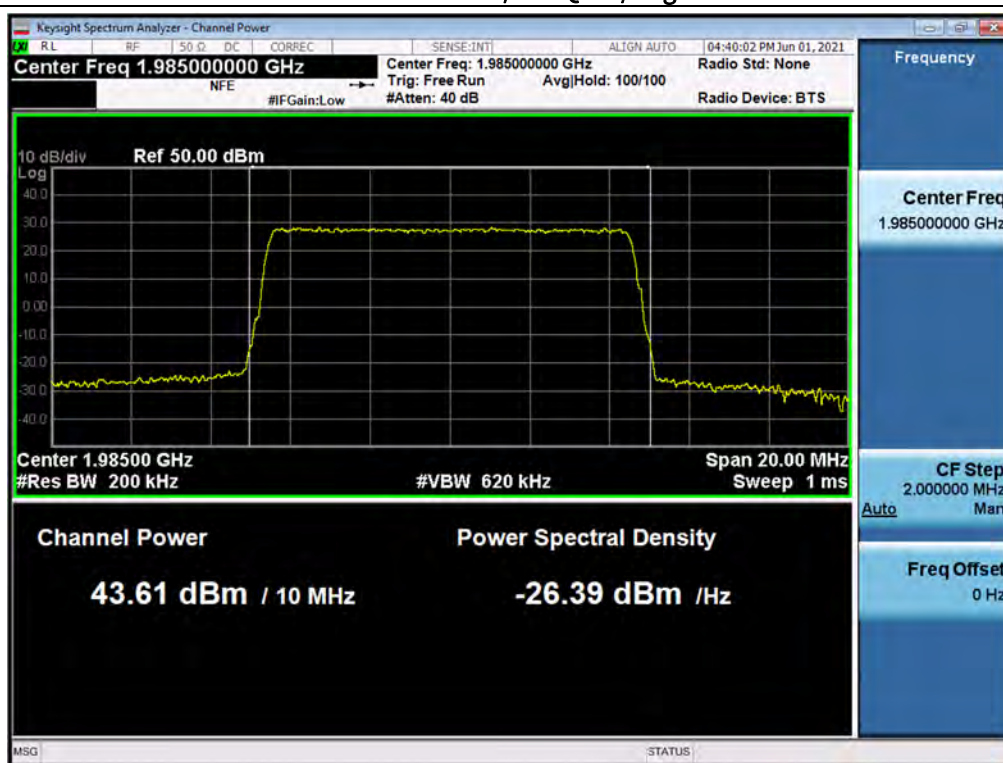
Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B2 LTE 5 MHz / 16QAM / High



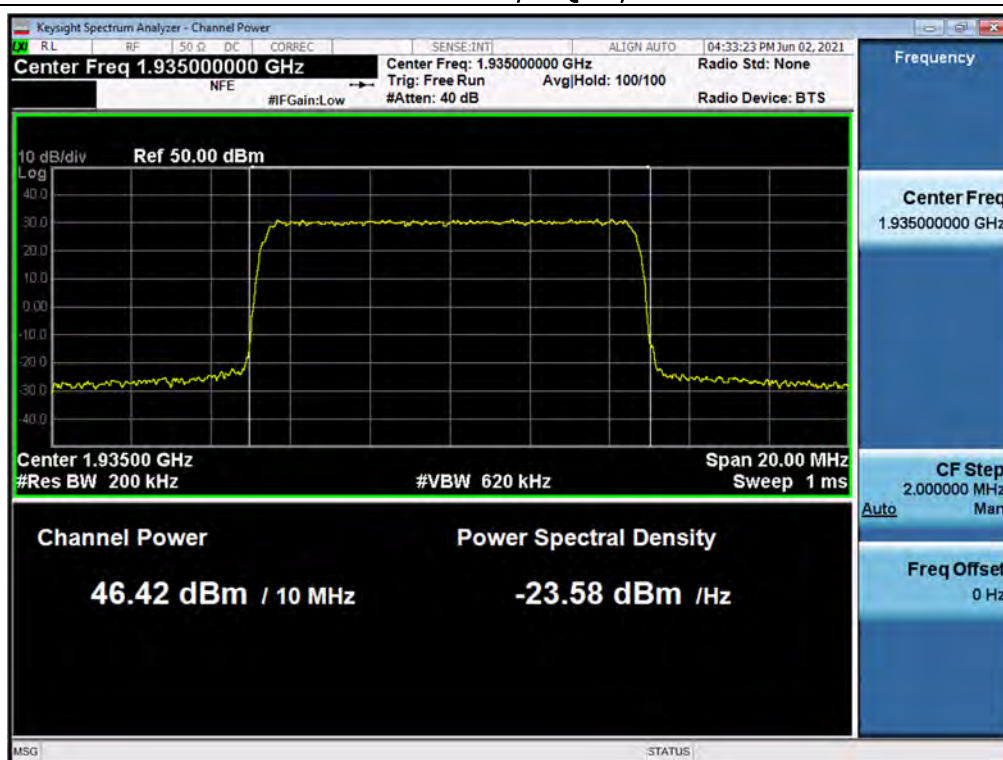
Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B2 DSS 10 MHz / 256QAM / Low



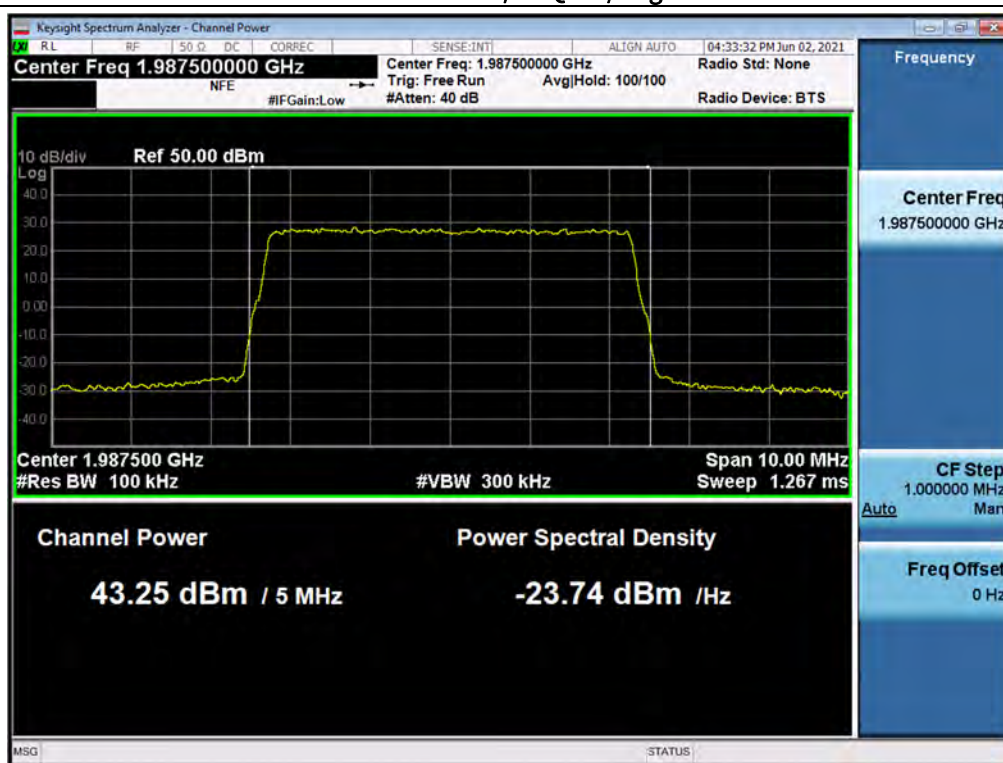
Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 LTE 10 MHz / 256QAM / High



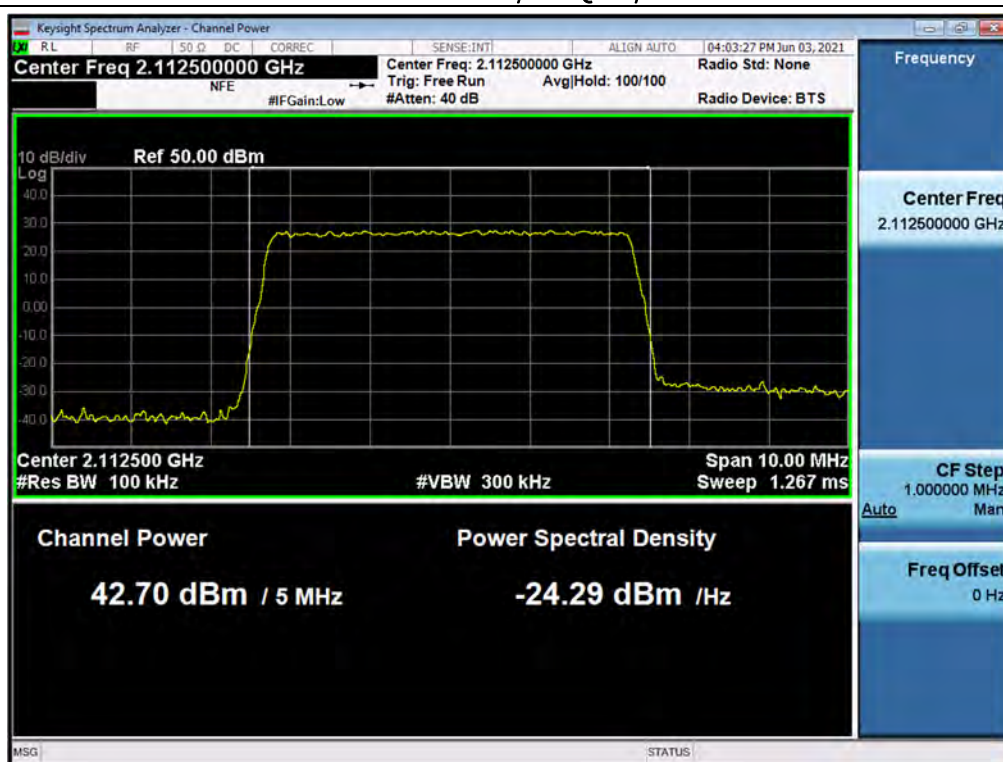
Antenna 1 / (2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B2 DSS 10 MHz / 64QAM / Low



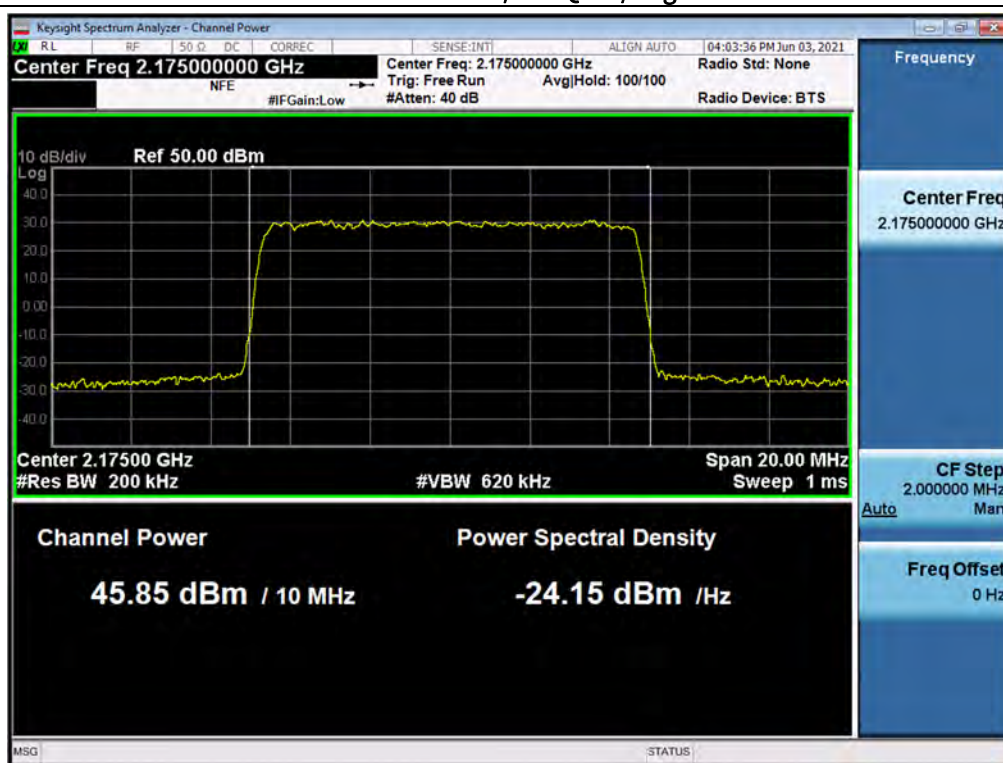
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B2 LTE 5 MHz / 64QAM / High



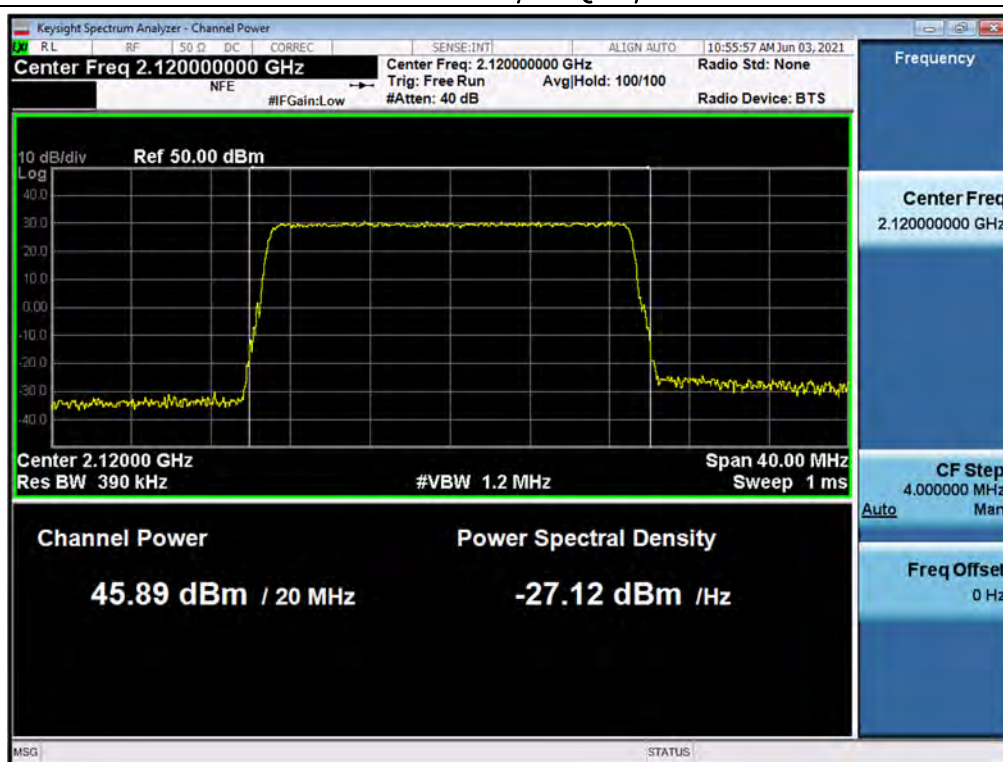
Antenna 0 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B66 DSS 10 MHz / 256QAM / Low



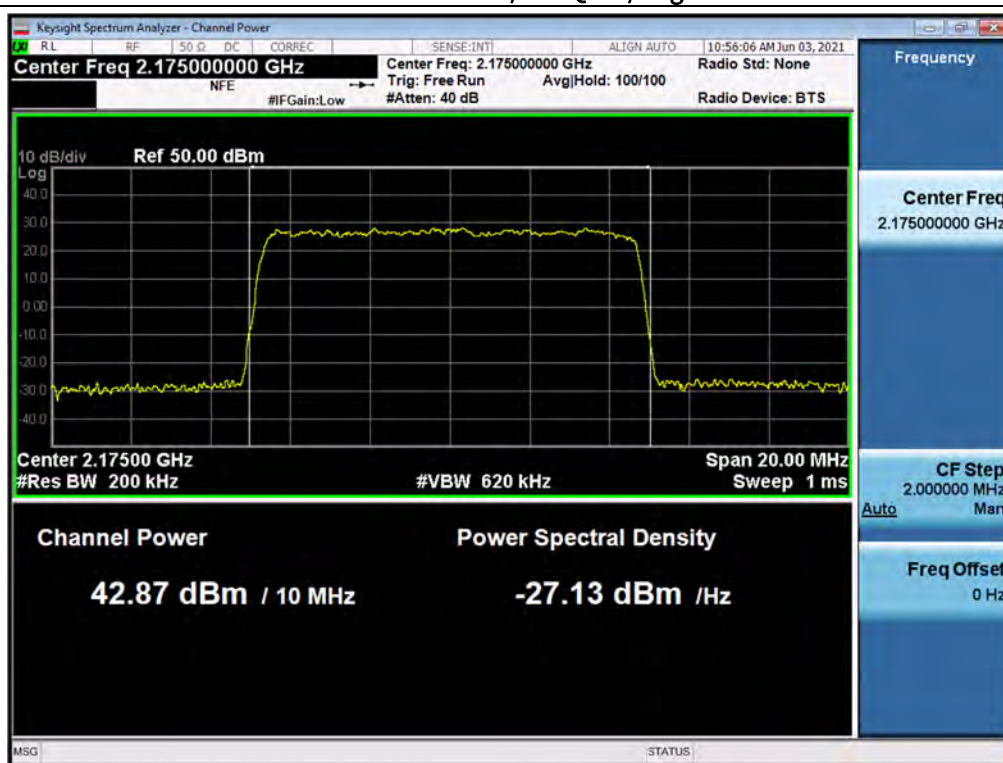
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B66 LTE 5 MHz / 256QAM / High



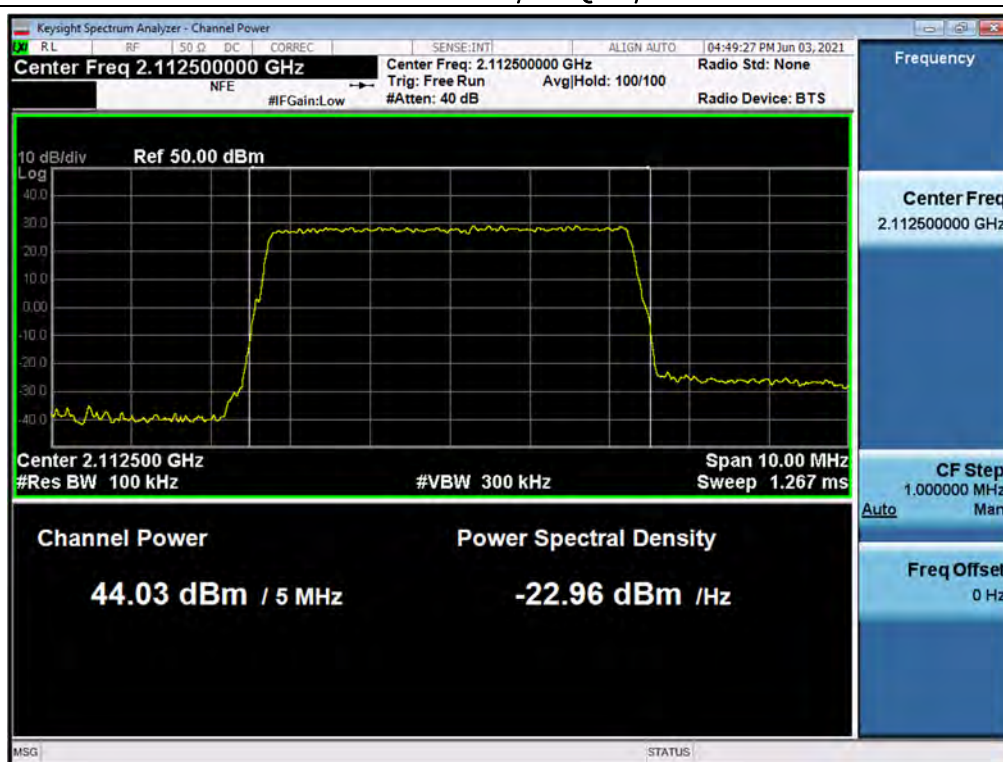
Antenna 0 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B66 DSS 10 MHz / 256QAM / Low



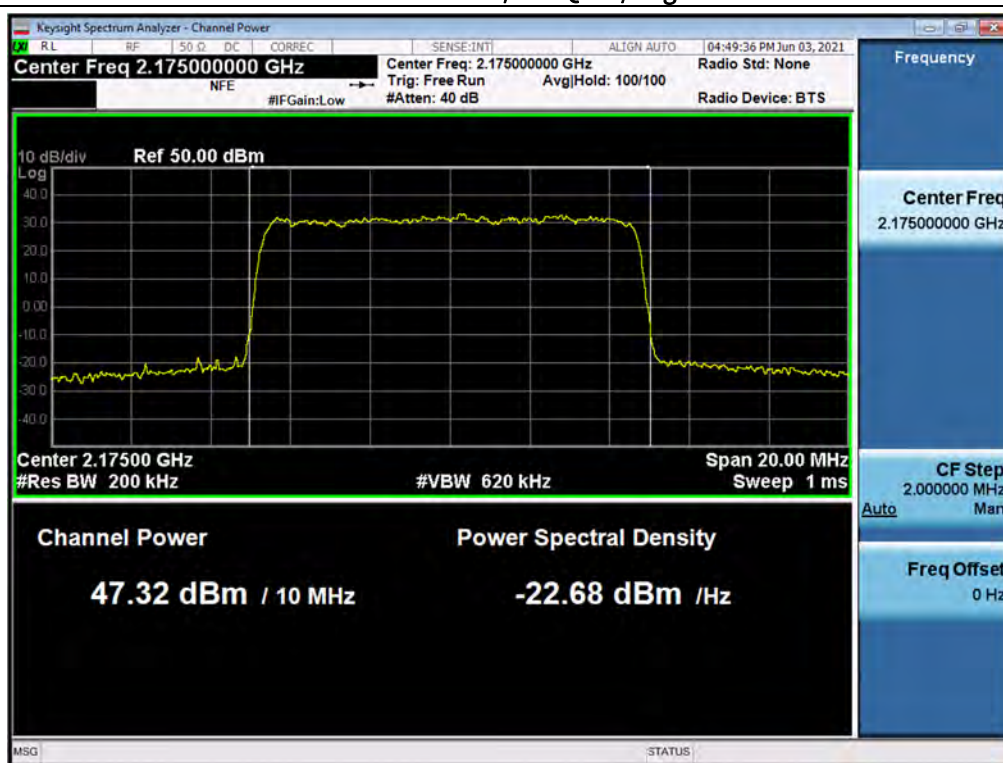
Antenna 0 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B66 LTE 20 MHz / 256QAM / High



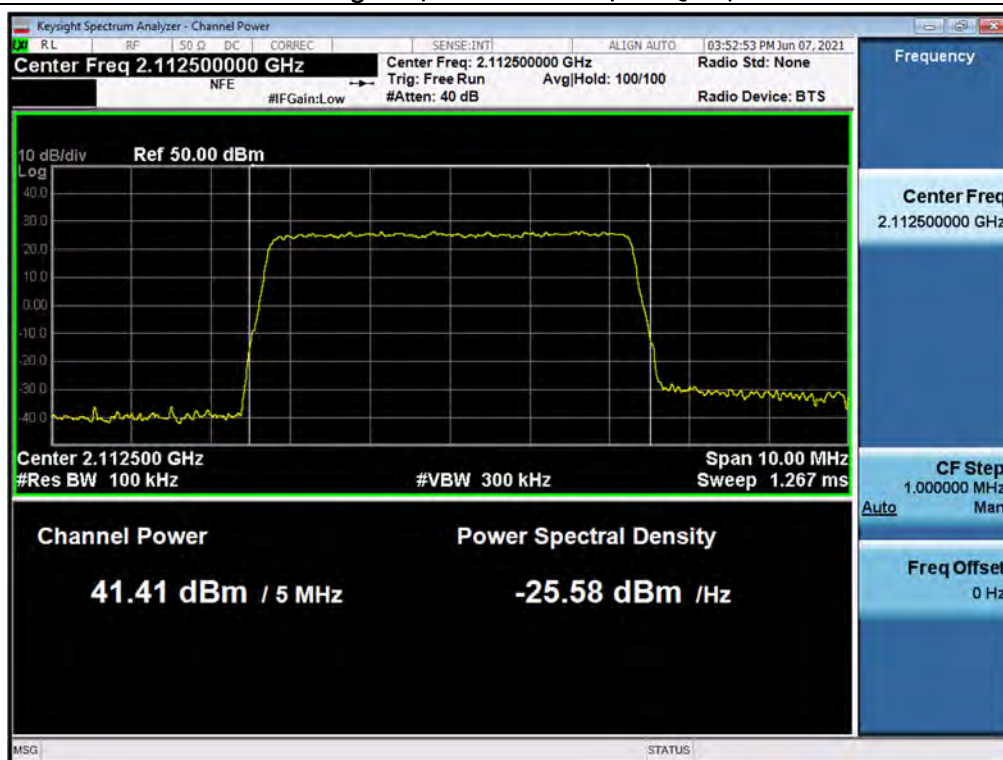
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B66 DSS 10 MHz / 256QAM / Low



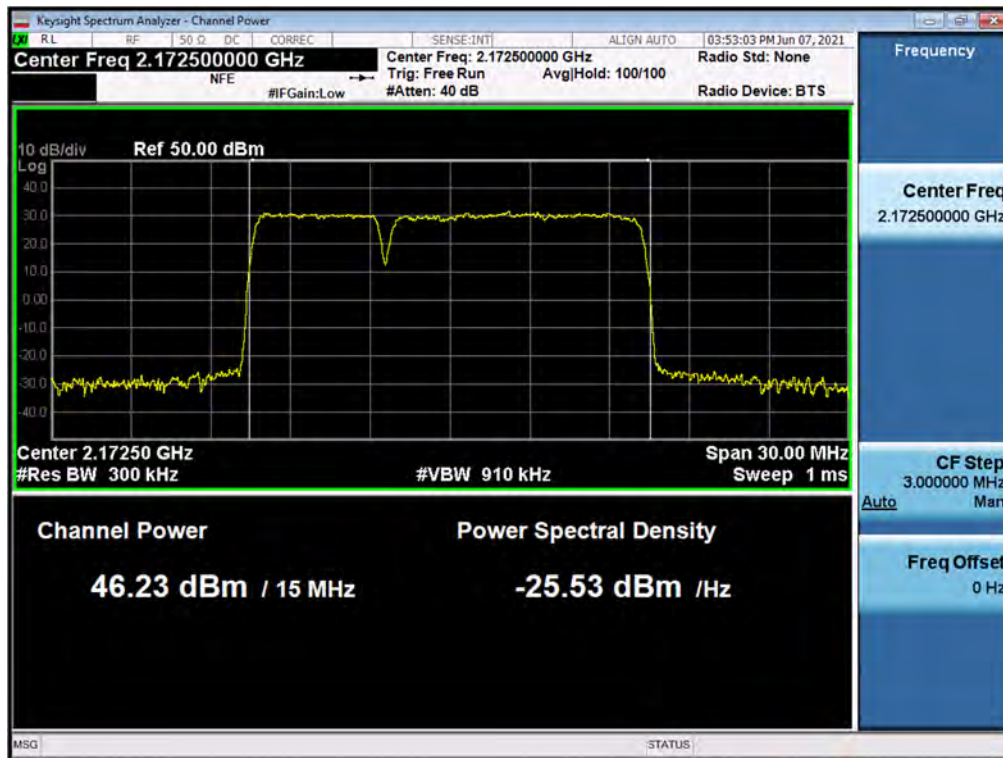
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 256QAM / High



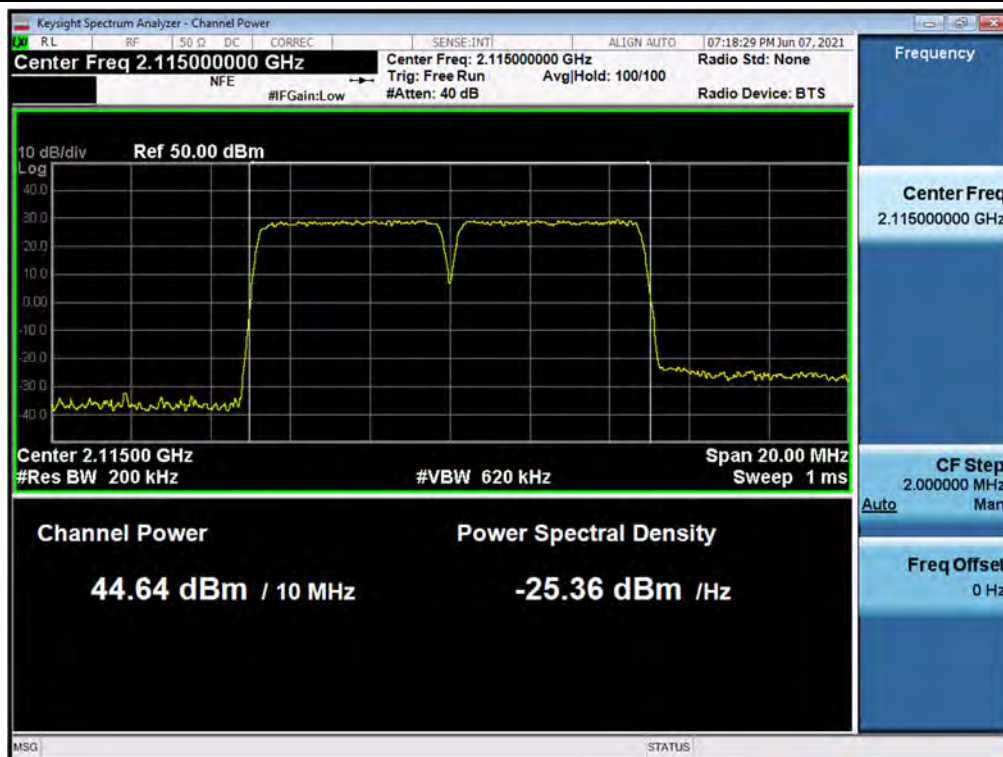
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous/ B66 LTE 5 MHz / 256QAM / Low



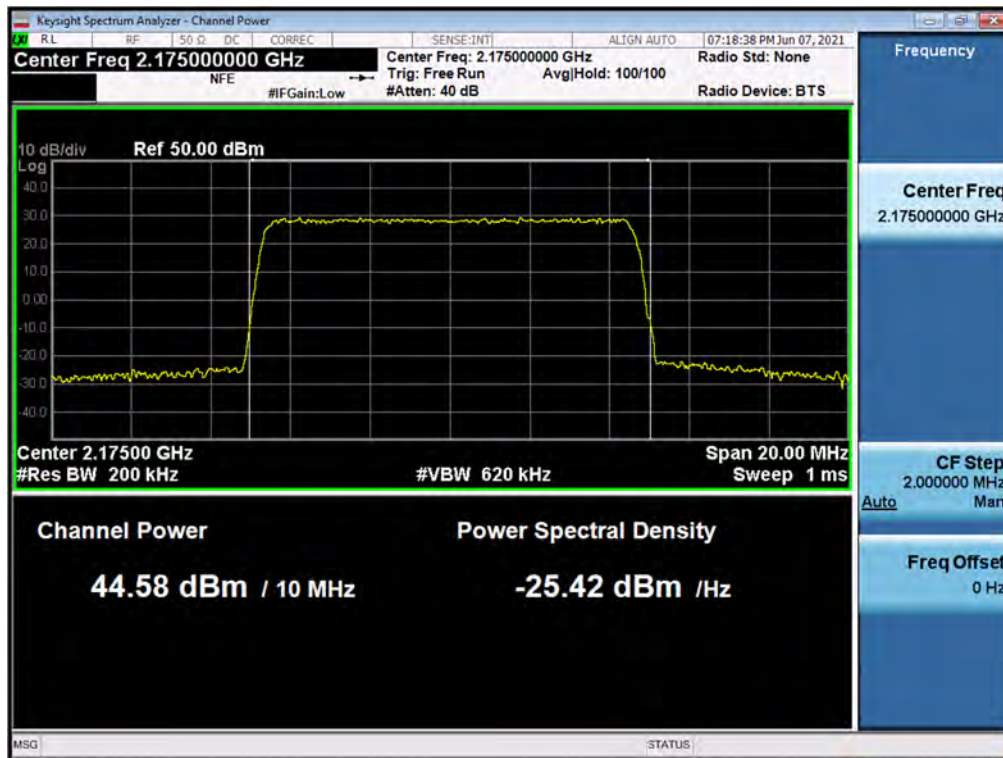
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 DSS 10 MHz / 256QAM / High



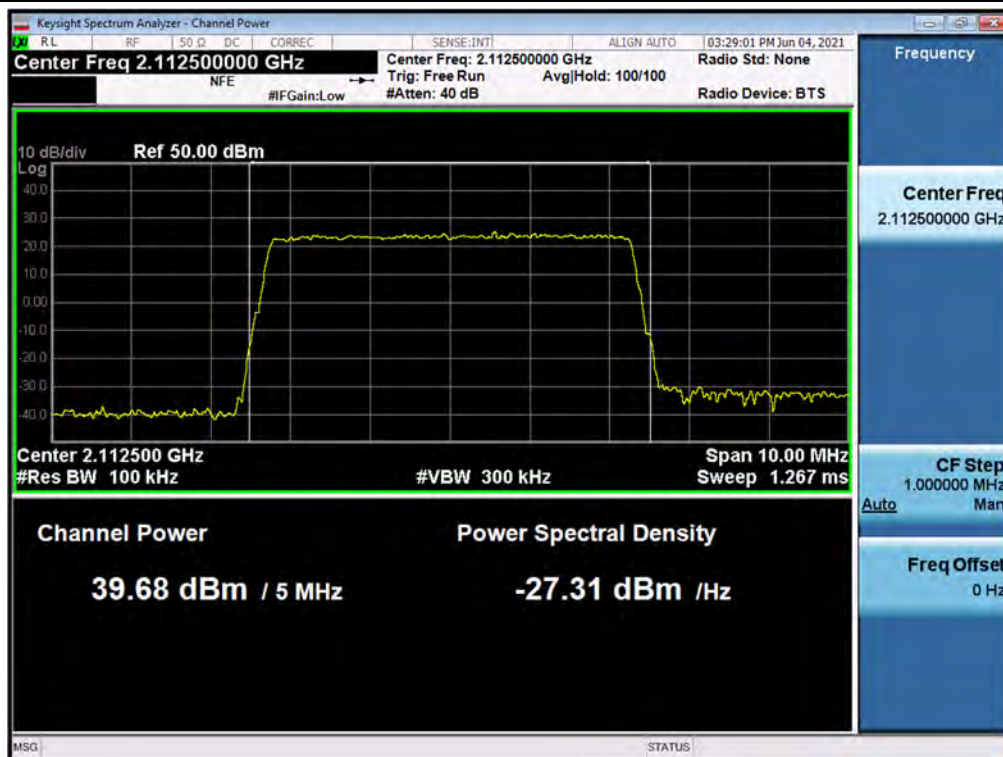
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz / QPSK / Low



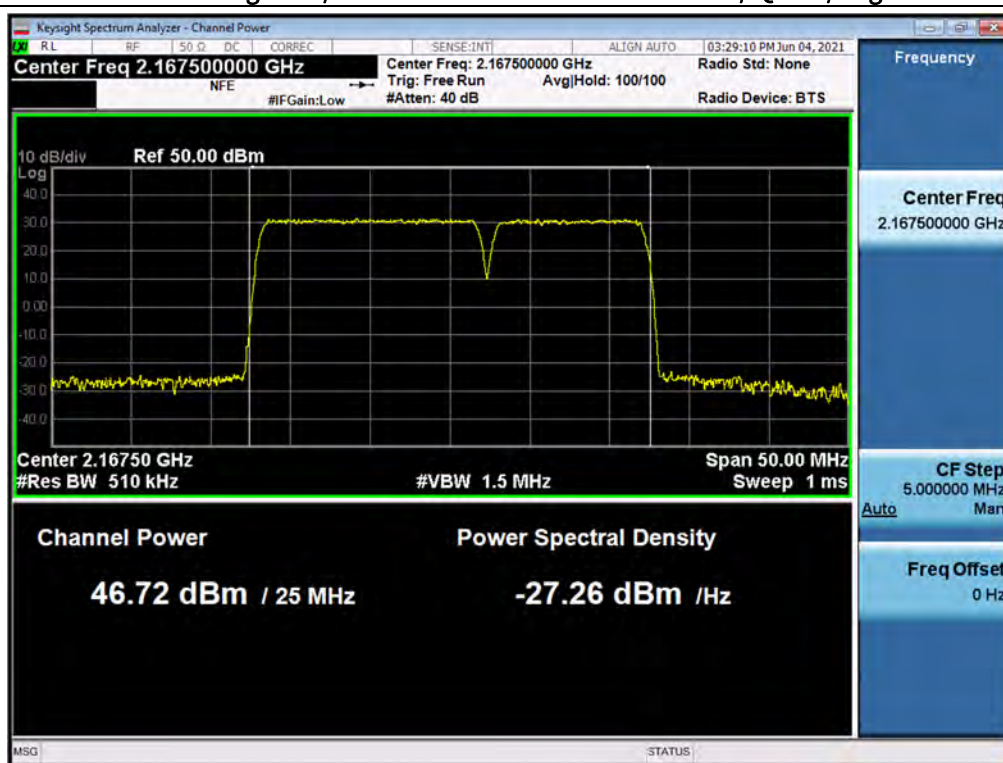
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 DSS 10 MHz / QPSK / High



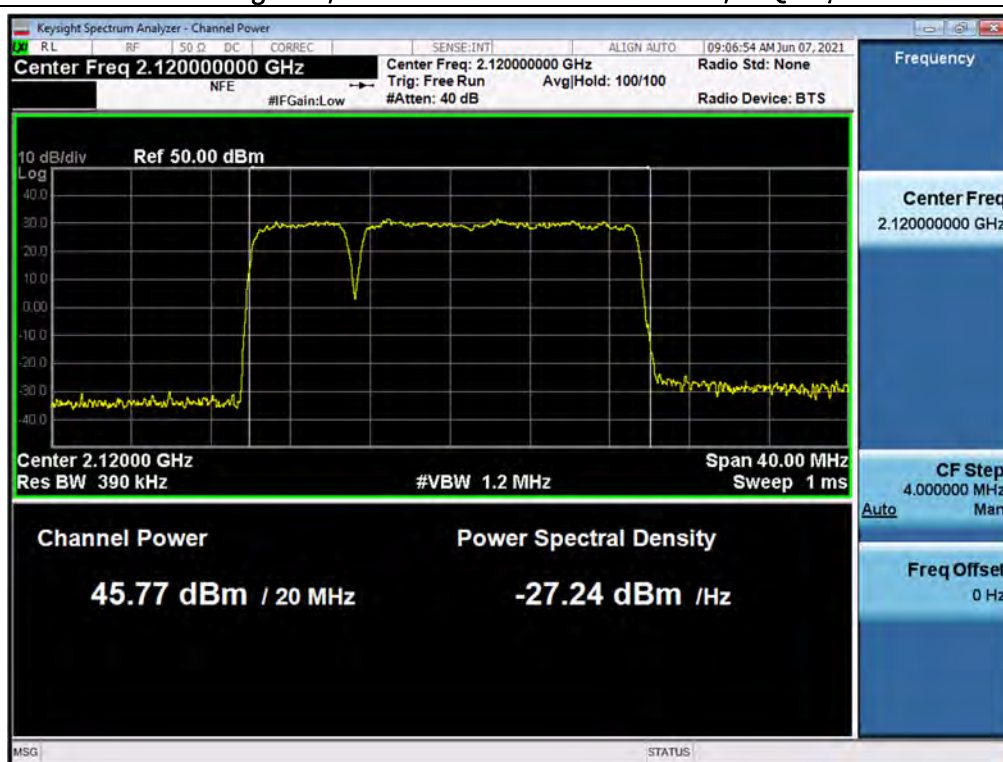
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz / QPSK / Low



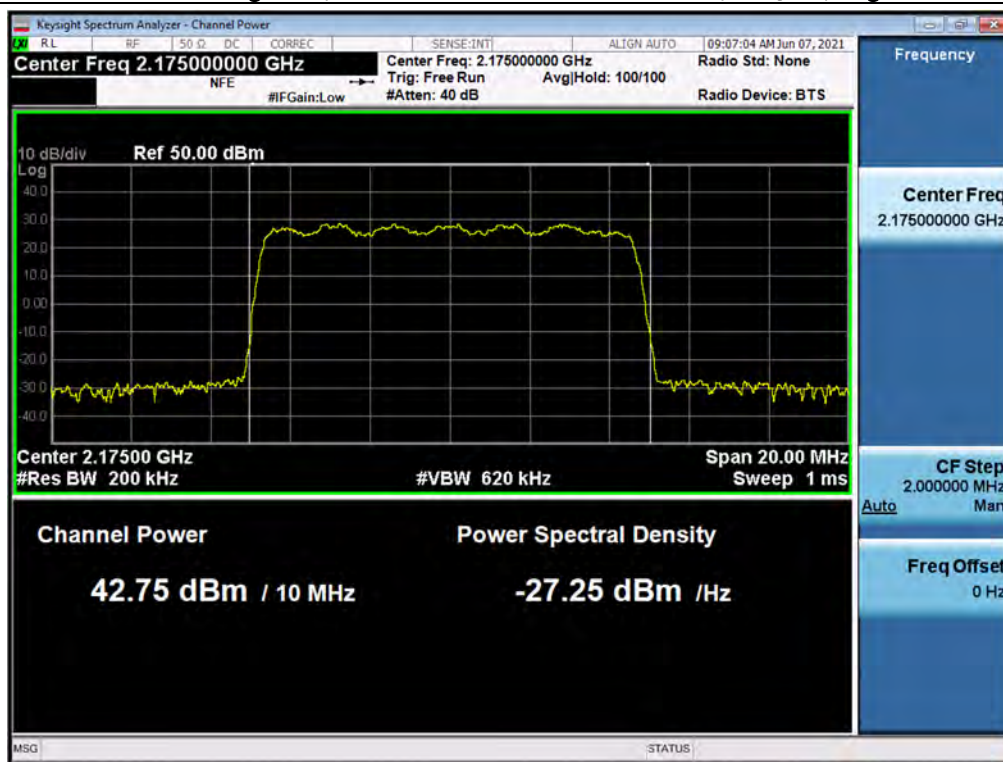
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 15 MHz + B66 DSS 10 MHz / QPSK / High



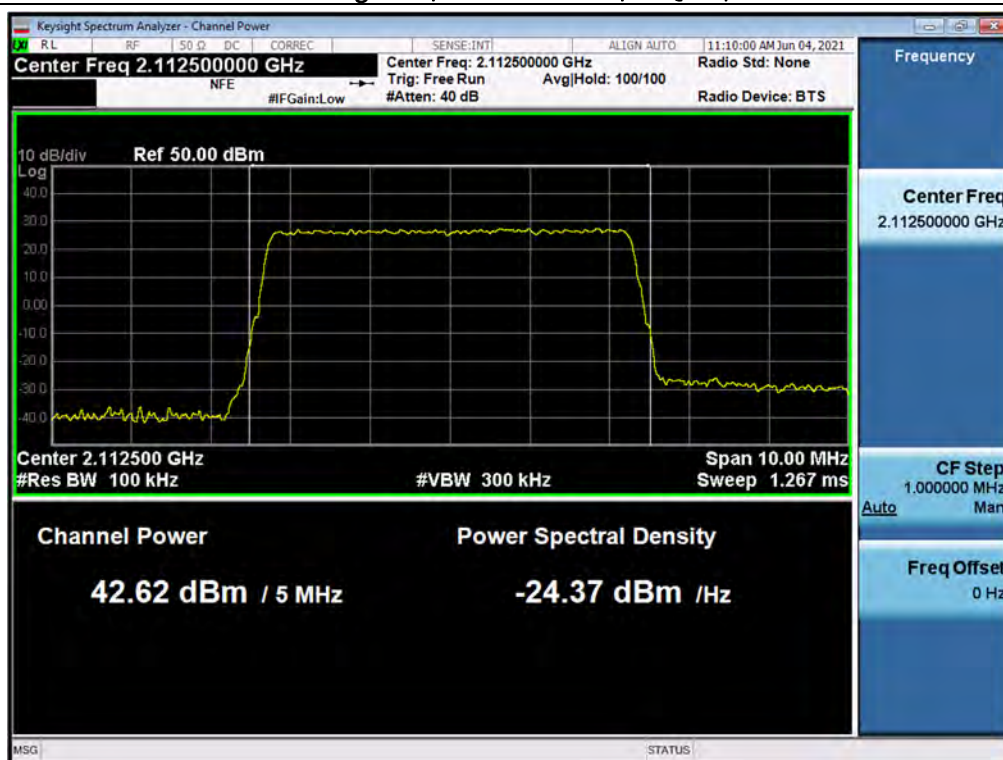
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 15 MHz / 16QAM / Low



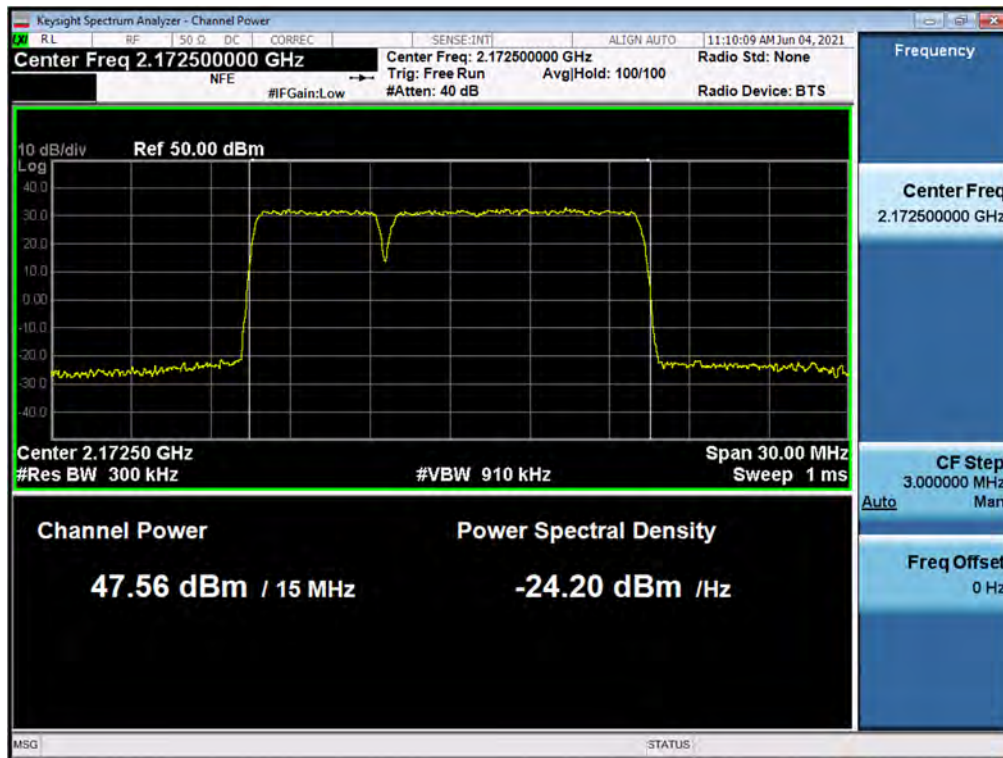
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 15 MHz / 16QAM / High



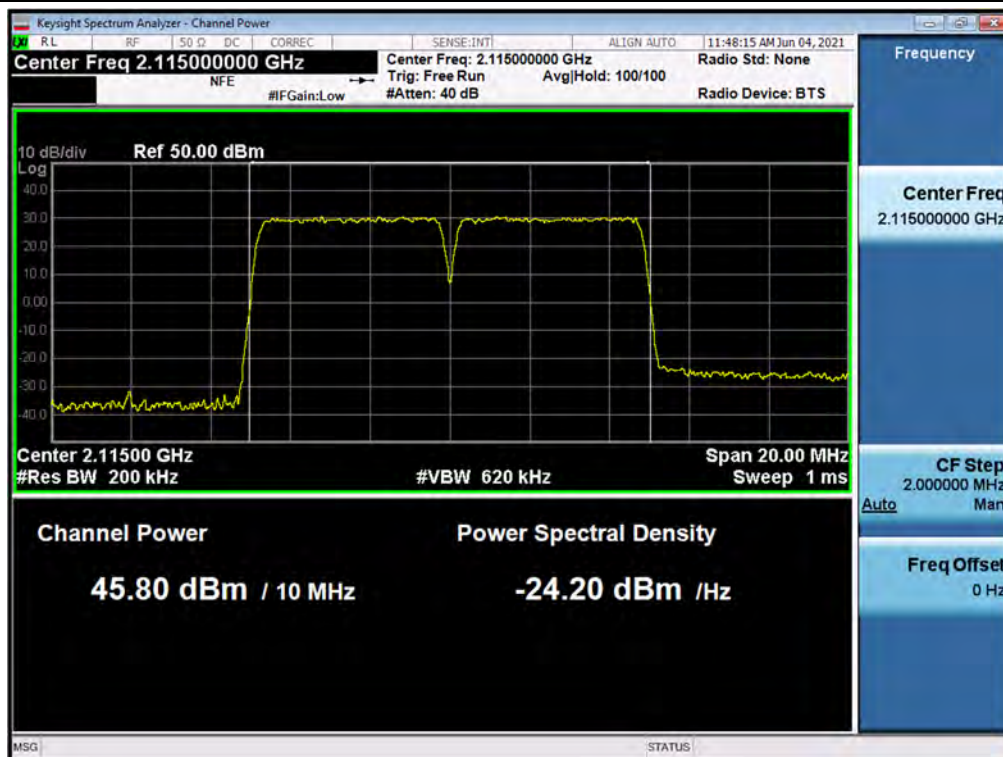
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 64QAM / Low



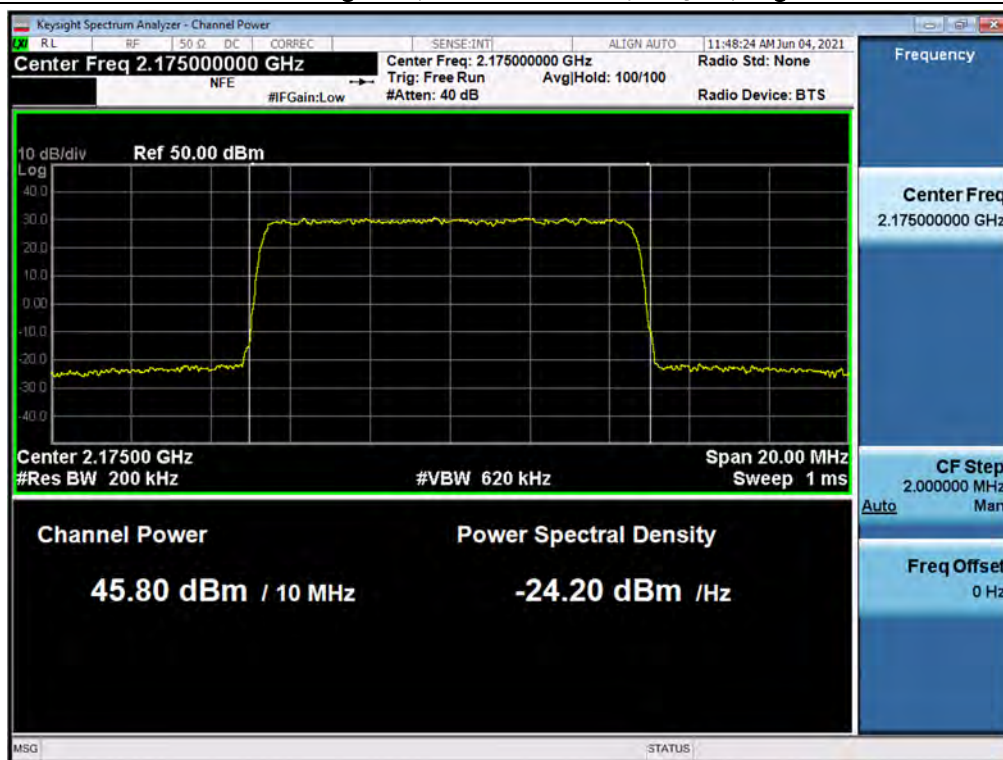
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 DSS 10 MHz / 64QAM / High



Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz / 64QAM / Low



Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 DSS 10 MHz / 64QAM / High



Tabular Data of PSD

(4 Port) B66 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.01	37.36	5.45
	16QAM	Middle	2144.12	37.81	6.04
	64QAM	Middle	2145.08	37.39	5.48
	256QAM	Middle	2143.94	37.43	5.54

(4 Port) B66 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2144.82	37.26	5.32
	16QAM	Middle	2144.30	37.50	5.63
	64QAM	Middle	2147.54	37.32	5.40
	256QAM	Middle	2143.54	37.15	5.19

(4 Port) B66 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2145.81	38.15	6.53
	16QAM	Middle	2140.08	38.41	6.93
	64QAM	Middle	2149.29	37.90	6.16
	256QAM	Middle	2145.33	37.79	6.01

(4 Port) B66 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2150.40	35.94	3.92
	16QAM	Middle	2139.24	36.21	4.18
	64QAM	Middle	2152.12	36.17	4.14
	256QAM	Middle	2143.92	35.99	3.97

(2 Port) B66 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2144.19	40.54	11.31
	16QAM	Middle	2146.07	40.93	12.39
	64QAM	Middle	2143.83	40.40	10.96
	256QAM	Middle	2145.76	40.48	11.18

(2 Port) B66 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2147.18	40.45	11.10
	16QAM	Middle	2144.60	40.79	11.99
	64QAM	Middle	2146.52	40.28	10.65
	256QAM	Middle	2148.06	40.67	11.67

(2 Port) B66 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2149.74	39.40	8.71
	16QAM	Middle	2144.88	40.23	10.54
	64QAM	Middle	2146.20	39.57	9.06
	256QAM	Middle	2149.14	39.86	9.68

(2 Port) B66 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	2137.92	37.93	6.21
	16QAM	Middle	2148.72	38.22	6.64
	64QAM	Middle	2150.24	38.03	6.35
	256QAM	Middle	2149.72	37.92	6.20

(4 Port) B2 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1959.04	37.28	5.34
	16QAM	Middle	1961.28	37.59	5.73
	64QAM	Middle	1960.97	37.22	5.27
	256QAM	Middle	1961.10	37.48	5.59

(4 Port) B2 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1956.78	36.97	4.98
	16QAM	Middle	1959.84	37.50	5.63
	64QAM	Middle	1962.34	37.40	5.49
	256QAM	Middle	1960.82	37.14	5.18

(4 Port) B2 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1961.41	35.65	3.67
	16QAM	Middle	1960.00	36.61	4.59
	64QAM	Middle	1958.05	35.82	3.82
	256QAM	Middle	1964.50	35.71	3.72

(4 Port) B2 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1964.88	34.10	2.57
	16QAM	Middle	1964.08	34.87	3.07
	64QAM	Middle	1965.64	34.22	2.64
	256QAM	Middle	1962.88	34.57	2.86

(2 Port) B2 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1959.84	40.50	11.23
	16QAM	Middle	1961.18	40.92	12.36
	64QAM	Middle	1960.91	40.40	10.97
	256QAM	Middle	1960.97	40.36	10.86

(2 Port) B2 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1961.68	39.19	8.29
	16QAM	Middle	1959.54	39.39	8.69
	64QAM	Middle	1961.46	39.23	8.37
	256QAM	Middle	1958.42	39.25	8.42

(2 Port) B2 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1963.75	37.38	5.46
	16QAM	Middle	1959.97	38.21	6.62
	64QAM	Middle	1961.92	37.41	5.50
	256QAM	Middle	1964.77	37.51	5.64

(2 Port) B2 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	1960.84	36.19	4.16
	16QAM	Middle	1953.80	36.60	4.57
	64QAM	Middle	1960.96	36.11	4.08
	256QAM	Middle	1961.36	36.07	4.05

(4 Port) B2 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1935.00	37.66	5.83
		Middle	1960.00	37.97	6.27
		High	1985.00	37.66	5.84
	16QAM	Low	1935.00	38.07	6.41
		Middle	1960.00	38.58	7.22
		High	1985.00	38.24	6.66
	64QAM	Low	1935.00	37.65	5.81
		Middle	1960.00	38.08	6.43
		High	1985.00	37.70	5.89
	256QAM	Low	1935.00	37.91	6.18
		Middle	1960.00	37.77	5.99
		High	1985.00	37.63	5.79
1	QPSK	Low	1935.00	38.34	6.83
		Middle	1960.00	37.84	6.08
		High	1985.00	37.87	6.12
	16QAM	Low	1935.00	38.55	7.16
		Middle	1960.00	38.37	6.86
		High	1985.00	38.36	6.86
	64QAM	Low	1935.00	38.48	7.05
		Middle	1960.00	37.98	6.28
		High	1985.00	37.98	6.27
	256QAM	Low	1935.00	38.42	6.95
		Middle	1960.00	37.88	6.14
		High	1985.00	37.92	6.20

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1935.00	37.48	5.60
		Middle	1960.00	37.48	5.60
		High	1985.00	37.28	5.34
	16QAM	Low	1935.00	38.53	7.14
		Middle	1960.00	38.03	6.35
		High	1985.00	37.85	6.09
	64QAM	Low	1935.00	37.68	5.86
		Middle	1960.00	37.66	5.84
		High	1985.00	37.30	5.37
	256QAM	Low	1935.00	37.51	5.64
		Middle	1960.00	37.43	5.53
		High	1985.00	37.51	5.64
3	QPSK	Low	1935.00	37.69	5.87
		Middle	1960.00	37.42	5.52
		High	1985.00	37.34	5.42
	16QAM	Low	1935.00	38.38	6.88
		Middle	1960.00	37.85	6.10
		High	1985.00	37.94	6.22
	64QAM	Low	1935.00	38.07	6.41
		Middle	1960.00	37.60	5.76
		High	1985.00	37.41	5.50
	256QAM	Low	1935.00	37.64	5.80
		Middle	1960.00	37.43	5.53
		High	1985.00	37.52	5.65

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
1935.00	24.14	27.59	25.13	24.57	1640
1960.00	23.47	26.53	24.31	23.19	
1985.00	22.72	25.84	23.04	23.27	

(2 Port) B2 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1935.00	39.50	8.91
		Middle	1960.00	39.24	8.40
		High	1985.00	39.13	8.19
	16QAM	Low	1935.00	39.87	9.71
		Middle	1960.00	39.85	9.66
		High	1985.00	39.55	9.01
	64QAM	Low	1935.00	39.41	8.73
		Middle	1960.00	39.41	8.73
		High	1985.00	39.05	8.04
	256QAM	Low	1935.00	39.50	8.91
		Middle	1960.00	39.34	8.59
		High	1985.00	39.20	8.31
1	QPSK	Low	1935.00	39.69	9.31
		Middle	1960.00	39.70	9.32
		High	1985.00	39.25	8.41
	16QAM	Low	1935.00	40.10	10.24
		Middle	1960.00	40.10	10.23
		High	1985.00	39.96	9.90
	64QAM	Low	1935.00	39.70	9.33
		Middle	1960.00	39.51	8.93
		High	1985.00	39.24	8.40
	256QAM	Low	1935.00	39.79	9.53
		Middle	1960.00	39.57	9.07
		High	1985.00	39.35	8.61

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
1935.00	18.23	19.95	18.06	18.44	1640
1960.00	17.73	19.89	17.66	17.65	
1985.00	16.61	18.91	16.43	16.92	

(4 Port) B66 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2115.00	37.21	5.26
		Middle	2145.00	37.47	5.58
		High	2175.00	37.02	5.03
	16QAM	Low	2115.00	37.45	5.55
		Middle	2145.00	37.72	5.91
		High	2175.00	37.41	5.51
	64QAM	Low	2115.00	37.53	5.66
		Middle	2145.00	37.41	5.51
		High	2175.00	37.25	5.30
	256QAM	Low	2115.00	37.45	5.56
		Middle	2145.00	37.35	5.43
		High	2175.00	37.53	5.67
1	QPSK	Low	2115.00	37.06	5.08
		Middle	2145.00	37.68	5.86
		High	2175.00	37.23	5.28
	16QAM	Low	2115.00	37.51	5.63
		Middle	2145.00	37.80	6.02
		High	2175.00	37.54	5.67
	64QAM	Low	2115.00	37.28	5.34
		Middle	2145.00	37.49	5.61
		High	2175.00	37.49	5.60
	256QAM	Low	2115.00	37.36	5.44
		Middle	2145.00	37.42	5.53
		High	2175.00	37.90	6.16

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2115.00	37.25	5.30
		Middle	2145.00	37.43	5.53
		High	2175.00	37.29	5.36
	16QAM	Low	2115.00	37.57	5.71
		Middle	2145.00	37.78	6.00
		High	2175.00	37.78	6.00
	64QAM	Low	2115.00	37.72	5.91
		Middle	2145.00	37.53	5.66
		High	2175.00	37.39	5.49
	256QAM	Low	2115.00	37.47	5.59
		Middle	2145.00	37.59	5.74
		High	2175.00	37.95	6.23
3	QPSK	Low	2115.00	37.24	5.30
		Middle	2145.00	37.80	6.03
		High	2175.00	37.61	5.77
	16QAM	Low	2115.00	37.67	5.85
		Middle	2145.00	37.65	5.82
		High	2175.00	37.95	6.23
	64QAM	Low	2115.00	37.62	5.78
		Middle	2145.00	38.04	6.36
		High	2175.00	37.83	6.06
	256QAM	Low	2115.00	37.44	5.55
		Middle	2145.00	38.33	6.80
		High	2175.00	37.77	5.99

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2115.00	20.94	22.74	22.69	22.14	1640
2145.00	22.99	23.76	23.14	23.49	
2175.00	21.44	23.41	22.46	24.05	

(2 Port) B66 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2115.00	40.02	10.05
		Middle	2145.00	40.11	10.25
		High	2175.00	40.05	10.12
	16QAM	Low	2115.00	40.28	10.66
		Middle	2145.00	40.27	10.64
		High	2175.00	40.55	11.34
	64QAM	Low	2115.00	40.18	10.43
		Middle	2145.00	40.44	11.06
		High	2175.00	40.12	10.29
	256QAM	Low	2115.00	40.68	11.71
		Middle	2145.00	40.35	10.85
		High	2175.00	40.36	10.86
1	QPSK	Low	2115.00	39.90	9.76
		Middle	2145.00	40.35	10.85
		High	2175.00	40.00	10.01
	16QAM	Low	2115.00	40.28	10.66
		Middle	2145.00	40.75	11.89
		High	2175.00	40.35	10.84
	64QAM	Low	2115.00	40.01	10.02
		Middle	2145.00	40.71	11.77
		High	2175.00	40.35	10.84
	256QAM	Low	2115.00	40.10	10.23
		Middle	2145.00	40.46	11.11
		High	2175.00	40.39	10.93

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2115.00	19.81	21.32	20.45	21.94	1640
2145.00	21.09	22.52	22.82	21.96	
2175.00	20.13	22.18	21.13	21.79	

Tabular Data of Contiguous PSD

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1937.50	36.01	3.99
		Middle	1960.00	36.11	4.08
		High	1982.50	35.89	3.89
	16QAM	Low	1937.50	36.49	4.46
		Middle	1960.00	36.43	4.40
		High	1982.50	36.23	4.20
	64QAM	Low	1937.50	35.94	3.93
		Middle	1960.00	36.01	3.99
		High	1982.50	35.92	3.90
	256QAM	Low	1937.50	36.08	4.06
		Middle	1960.00	35.82	3.82
		High	1982.50	36.10	4.08
1	QPSK	Low	1937.50	36.39	4.36
		Middle	1960.00	36.21	4.18
		High	1982.50	36.05	4.03
	16QAM	Low	1937.50	36.76	4.75
		Middle	1960.00	36.47	4.43
		High	1982.50	36.39	4.36
	64QAM	Low	1937.50	36.24	4.20
		Middle	1960.00	36.16	4.13
		High	1982.50	36.34	4.31
	256QAM	Low	1937.50	36.33	4.30
		Middle	1960.00	36.22	4.19
		High	1982.50	36.30	4.27

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1937.50	35.73	3.74
		Middle	1960.00	35.58	3.61
		High	1982.50	35.63	3.65
	16QAM	Low	1937.50	36.14	4.11
		Middle	1960.00	36.07	4.05
		High	1982.50	36.12	4.10
	64QAM	Low	1937.50	35.69	3.71
		Middle	1960.00	35.78	3.78
		High	1982.50	35.43	3.50
	256QAM	Low	1937.50	35.73	3.74
		Middle	1960.00	35.64	3.66
		High	1982.50	35.67	3.69
3	QPSK	Low	1937.50	35.83	3.83
		Middle	1960.00	35.51	3.55
		High	1982.50	35.77	3.77
	16QAM	Low	1937.50	36.44	4.40
		Middle	1960.00	36.05	4.03
		High	1982.50	35.95	3.93
	64QAM	Low	1937.50	35.98	3.97
		Middle	1960.00	35.67	3.69
		High	1982.50	35.74	3.75
	256QAM	Low	1937.50	35.87	3.87
		Middle	1960.00	35.82	3.82
		High	1982.50	35.69	3.71

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
1937.50	15.92	17.71	15.80	15.96	1640
1960.00	15.43	16.91	15.59	15.49	
1982.50	15.34	16.58	15.46	15.74	

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1940.00	34.75	2.98
		Middle	1960.00	34.80	3.02
		High	1980.00	34.91	3.10
	16QAM	Low	1940.00	35.45	3.50
		Middle	1960.00	35.32	3.40
		High	1980.00	35.54	3.58
	64QAM	Low	1940.00	34.97	3.14
		Middle	1960.00	35.01	3.17
		High	1980.00	34.94	3.12
	256QAM	Low	1940.00	34.88	3.08
		Middle	1960.00	34.95	3.12
		High	1980.00	34.83	3.04
1	QPSK	Low	1940.00	35.23	3.34
		Middle	1960.00	35.21	3.32
		High	1980.00	35.13	3.26
	16QAM	Low	1940.00	35.48	3.53
		Middle	1960.00	35.40	3.47
		High	1980.00	35.30	3.39
	64QAM	Low	1940.00	35.22	3.33
		Middle	1960.00	35.00	3.16
		High	1980.00	35.20	3.31
	256QAM	Low	1940.00	35.10	3.24
		Middle	1960.00	35.14	3.26
		High	1980.00	34.94	3.12

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1940.00	34.79	3.01
		Middle	1960.00	34.69	2.95
		High	1980.00	34.66	2.92
	16QAM	Low	1940.00	35.21	3.32
		Middle	1960.00	35.11	3.24
		High	1980.00	35.01	3.17
	64QAM	Low	1940.00	34.86	3.06
		Middle	1960.00	34.71	2.96
		High	1980.00	34.78	3.01
	256QAM	Low	1940.00	34.84	3.05
		Middle	1960.00	34.70	2.95
		High	1980.00	34.96	3.13
3	QPSK	Low	1940.00	34.67	2.93
		Middle	1960.00	34.92	3.11
		High	1980.00	34.59	2.88
	16QAM	Low	1940.00	35.25	3.35
		Middle	1960.00	35.46	3.51
		High	1980.00	34.87	3.07
	64QAM	Low	1940.00	34.72	2.96
		Middle	1960.00	34.89	3.08
		High	1980.00	34.79	3.01
	256QAM	Low	1940.00	34.80	3.02
		Middle	1960.00	34.70	2.95
		High	1980.00	34.80	3.02

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
1940.00	12.27	13.70	12.50	12.39	1640
1960.00	12.39	13.62	12.37	12.29	
1980.00	12.16	13.21	12.45	12.31	

(2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1937.50	37.65	5.83
		Middle	1960.00	37.85	6.10
		High	1982.50	37.59	5.75
	16QAM	Low	1937.50	37.74	5.94
		Middle	1960.00	38.04	6.36
		High	1982.50	37.90	6.16
	64QAM	Low	1937.50	37.75	5.96
		Middle	1960.00	37.43	5.53
		High	1982.50	37.44	5.55
	256QAM	Low	1937.50	37.49	5.61
		Middle	1960.00	37.51	5.63
		High	1982.50	37.43	5.53
1	QPSK	Low	1937.50	37.87	6.13
		Middle	1960.00	37.76	5.97
		High	1982.50	37.77	5.98
	16QAM	Low	1937.50	38.35	6.83
		Middle	1960.00	38.13	6.50
		High	1982.50	38.04	6.37
	64QAM	Low	1937.50	37.80	6.03
		Middle	1960.00	37.61	5.77
		High	1982.50	37.68	5.86
	256QAM	Low	1937.50	37.93	6.21
		Middle	1960.00	37.72	5.91
		High	1982.50	37.79	6.01

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
1937.50	11.96	12.77	11.99	11.82	1640
1960.00	12.07	12.86	11.30	11.54	
1982.50	11.73	12.53	11.41	11.54	

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2117.50	37.25	5.30
		Middle	2145.00	37.26	5.32
		High	2172.50	37.17	5.21
	16QAM	Low	2117.50	37.72	5.91
		Middle	2145.00	37.41	5.51
		High	2172.50	37.37	5.46
	64QAM	Low	2117.50	37.52	5.65
		Middle	2145.00	37.49	5.61
		High	2172.50	37.14	5.17
	256QAM	Low	2117.50	37.80	6.02
		Middle	2145.00	37.47	5.58
		High	2172.50	37.22	5.27
1	QPSK	Low	2117.50	37.46	5.57
		Middle	2145.00	37.27	5.33
		High	2172.50	37.08	5.10
	16QAM	Low	2117.50	37.82	6.05
		Middle	2145.00	37.76	5.97
		High	2172.50	37.35	5.44
	64QAM	Low	2117.50	37.29	5.35
		Middle	2145.00	37.43	5.54
		High	2172.50	37.55	5.69
	256QAM	Low	2117.50	37.54	5.68
		Middle	2145.00	37.47	5.58
		High	2172.50	37.45	5.56

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2117.50	37.72	5.91
		Middle	2145.00	37.54	5.67
		High	2172.50	37.66	5.83
	16QAM	Low	2117.50	37.86	6.11
		Middle	2145.00	37.82	6.05
		High	2172.50	37.99	6.29
	64QAM	Low	2117.50	37.91	6.18
		Middle	2145.00	37.96	6.25
		High	2172.50	37.60	5.75
	256QAM	Low	2117.50	38.12	6.49
		Middle	2145.00	37.94	6.22
		High	2172.50	37.71	5.90
3	QPSK	Low	2117.50	37.77	5.98
		Middle	2145.00	37.27	5.34
		High	2172.50	37.40	5.49
	16QAM	Low	2117.50	37.98	6.28
		Middle	2145.00	37.93	6.21
		High	2172.50	37.69	5.88
	64QAM	Low	2117.50	37.70	5.89
		Middle	2145.00	37.58	5.73
		High	2172.50	37.73	5.92
	256QAM	Low	2117.50	37.80	6.02
		Middle	2145.00	37.71	5.91
		High	2172.50	37.50	5.62

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2117.50	22.77	24.36	23.08	24.21	1640
2145.00	21.66	23.74	23.13	23.29	
2172.50	21.64	23.06	22.53	22.35	

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2125.00	34.69	2.94
		Middle	2145.00	34.40	2.75
		High	2165.00	34.66	2.92
	16QAM	Low	2125.00	34.93	3.11
		Middle	2145.00	34.70	2.95
		High	2165.00	34.75	2.98
	64QAM	Low	2125.00	34.52	2.83
		Middle	2145.00	34.66	2.93
		High	2165.00	34.64	2.91
	256QAM	Low	2125.00	34.81	3.03
		Middle	2145.00	34.58	2.87
		High	2165.00	34.40	2.76
1	QPSK	Low	2125.00	34.25	2.66
		Middle	2145.00	34.09	2.56
		High	2165.00	34.38	2.74
	16QAM	Low	2125.00	34.83	3.04
		Middle	2145.00	34.62	2.90
		High	2165.00	34.95	3.12
	64QAM	Low	2125.00	34.36	2.73
		Middle	2145.00	34.54	2.85
		High	2165.00	34.50	2.82
	256QAM	Low	2125.00	34.49	2.81
		Middle	2145.00	34.41	2.76
		High	2165.00	34.57	2.86

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2125.00	34.69	2.94
		Middle	2145.00	34.79	3.01
		High	2165.00	34.93	3.11
	16QAM	Low	2125.00	35.23	3.33
		Middle	2145.00	34.99	3.16
		High	2165.00	34.93	3.11
	64QAM	Low	2125.00	34.79	3.01
		Middle	2145.00	34.85	3.05
		High	2165.00	34.95	3.13
	256QAM	Low	2125.00	34.68	2.94
		Middle	2145.00	34.86	3.07
		High	2165.00	34.74	2.98
3	QPSK	Low	2125.00	34.55	2.85
		Middle	2145.00	34.67	2.93
		High	2165.00	34.86	3.06
	16QAM	Low	2125.00	34.80	3.02
		Middle	2145.00	34.92	3.10
		High	2165.00	35.01	3.17
	64QAM	Low	2125.00	34.84	3.05
		Middle	2145.00	34.72	2.96
		High	2165.00	34.74	2.98
	256QAM	Low	2125.00	34.64	2.91
		Middle	2145.00	34.84	3.05
		High	2165.00	34.64	2.91

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2125.00	11.39	12.50	11.62	11.69	1640
2145.00	11.27	12.11	11.79	11.75	
2165.00	11.84	12.39	11.84	11.51	

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2117.50	38.65	7.33
		Middle	2145.00	39.18	8.28
		High	2172.50	38.80	7.59
	16QAM	Low	2117.50	39.23	8.37
		Middle	2145.00	39.42	8.75
		High	2172.50	38.90	7.76
	64QAM	Low	2117.50	38.86	7.69
		Middle	2145.00	39.36	8.64
		High	2172.50	38.93	7.81
	256QAM	Low	2117.50	38.85	7.68
		Middle	2145.00	39.32	8.54
		High	2172.50	39.05	8.04
1	QPSK	Low	2117.50	38.66	7.34
		Middle	2145.00	38.97	7.89
		High	2172.50	38.72	7.44
	16QAM	Low	2117.50	38.84	7.66
		Middle	2145.00	39.25	8.42
		High	2172.50	39.09	8.10
	64QAM	Low	2117.50	39.32	8.54
		Middle	2145.00	39.16	8.24
		High	2172.50	38.88	7.72
	256QAM	Low	2117.50	39.09	8.10
		Middle	2145.00	39.24	8.40
		High	2172.50	39.08	8.10

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2117.50	14.67	16.03	16.23	15.78	1640
2145.00	16.16	17.16	16.87	16.95	
2172.50	15.03	15.86	15.53	16.13	

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2120.00	35.57	3.61
		Middle	2145.00	35.89	3.88
		High	2170.00	35.43	3.49
	16QAM	Low	2120.00	35.85	3.84
		Middle	2145.00	35.80	3.80
		High	2170.00	35.83	3.83
	64QAM	Low	2120.00	35.68	3.70
		Middle	2145.00	35.56	3.60
		High	2170.00	35.55	3.59
	256QAM	Low	2120.00	35.70	3.72
		Middle	2145.00	35.78	3.79
		High	2170.00	35.75	3.76
1	QPSK	Low	2120.00	35.63	3.66
		Middle	2145.00	35.54	3.58
		High	2170.00	35.49	3.54
	16QAM	Low	2120.00	35.92	3.91
		Middle	2145.00	36.04	4.01
		High	2170.00	35.67	3.69
	64QAM	Low	2120.00	35.84	3.84
		Middle	2145.00	35.73	3.74
		High	2170.00	35.78	3.79
	256QAM	Low	2120.00	35.96	3.94
		Middle	2145.00	35.97	3.95
		High	2170.00	35.75	3.76

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2120.00	35.93	3.92
		Middle	2145.00	36.01	3.99
		High	2170.00	35.68	3.70
	16QAM	Low	2120.00	36.13	4.10
		Middle	2145.00	36.02	4.00
		High	2170.00	36.09	4.07
	64QAM	Low	2120.00	35.97	3.96
		Middle	2145.00	35.84	3.84
		High	2170.00	35.79	3.80
	256QAM	Low	2120.00	36.06	4.04
		Middle	2145.00	36.28	4.25
		High	2170.00	35.68	3.70
3	QPSK	Low	2120.00	35.87	3.86
		Middle	2145.00	36.13	4.10
		High	2170.00	35.71	3.72
	16QAM	Low	2120.00	36.28	4.25
		Middle	2145.00	36.49	4.46
		High	2170.00	36.29	4.25
	64QAM	Low	2120.00	36.07	4.05
		Middle	2145.00	36.35	4.31
		High	2170.00	35.81	3.81
	256QAM	Low	2120.00	36.35	4.31
		Middle	2145.00	36.37	4.34
		High	2170.00	35.87	3.86

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2120.00	15.05	16.11	15.55	16.01	1640
2145.00	15.54	16.28	15.49	16.32	
2170.00	14.46	15.84	14.97	15.07	

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2125.00	34.26	2.67
		Middle	2145.00	33.84	2.42
		High	2165.00	33.95	2.48
	16QAM	Low	2125.00	34.99	3.15
		Middle	2145.00	34.06	2.55
		High	2165.00	34.30	2.69
	64QAM	Low	2125.00	34.13	2.59
		Middle	2145.00	33.86	2.43
		High	2165.00	34.04	2.54
	256QAM	Low	2125.00	34.16	2.61
		Middle	2145.00	34.36	2.73
		High	2165.00	33.96	2.49
1	QPSK	Low	2125.00	34.34	2.72
		Middle	2145.00	33.86	2.43
		High	2165.00	34.01	2.51
	16QAM	Low	2125.00	34.91	3.10
		Middle	2145.00	34.04	2.54
		High	2165.00	34.94	3.12
	64QAM	Low	2125.00	34.35	2.72
		Middle	2145.00	34.29	2.68
		High	2165.00	34.03	2.53
	256QAM	Low	2125.00	34.22	2.64
		Middle	2145.00	34.46	2.79
		High	2165.00	33.94	2.48

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2125.00	34.53	2.84
		Middle	2145.00	34.34	2.72
		High	2165.00	34.07	2.55
	16QAM	Low	2125.00	35.11	3.24
		Middle	2145.00	34.78	3.00
		High	2165.00	34.49	2.81
	64QAM	Low	2125.00	34.40	2.75
		Middle	2145.00	34.54	2.85
		High	2165.00	34.32	2.70
	256QAM	Low	2125.00	34.67	2.93
		Middle	2145.00	34.76	3.00
		High	2165.00	34.13	2.59
3	QPSK	Low	2125.00	34.47	2.80
		Middle	2145.00	34.27	2.67
		High	2165.00	34.10	2.57
	16QAM	Low	2125.00	34.77	3.00
		Middle	2145.00	34.60	2.88
		High	2165.00	34.67	2.93
	64QAM	Low	2125.00	34.57	2.86
		Middle	2145.00	34.49	2.81
		High	2165.00	34.05	2.54
	256QAM	Low	2125.00	34.47	2.80
		Middle	2145.00	34.65	2.92
		High	2165.00	34.09	2.56

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2125.00	11.02	12.49	10.93	10.97	1640
2145.00	10.24	10.97	10.77	11.43	
2165.00	10.12	11.55	10.31	10.12	

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2120.00	37.50	5.62
		Middle	2145.00	37.71	5.90
		High	2170.00	37.48	5.60
	16QAM	Low	2120.00	37.90	6.16
		Middle	2145.00	38.19	6.59
		High	2170.00	37.64	5.80
	64QAM	Low	2120.00	37.86	6.11
		Middle	2145.00	38.04	6.36
		High	2170.00	37.48	5.60
	256QAM	Low	2120.00	37.65	5.82
		Middle	2145.00	37.85	6.10
		High	2170.00	37.72	5.92
1	QPSK	Low	2120.00	37.27	5.33
		Middle	2145.00	37.84	6.09
		High	2170.00	37.26	5.32
	16QAM	Low	2120.00	38.14	6.51
		Middle	2145.00	38.01	6.33
		High	2170.00	37.71	5.90
	64QAM	Low	2120.00	38.06	6.40
		Middle	2145.00	37.89	6.16
		High	2170.00	37.64	5.81
	256QAM	Low	2120.00	37.73	5.93
		Middle	2145.00	38.06	6.39
		High	2170.00	37.66	5.84

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2120.00	10.95	12.67	12.50	11.76	1640
2145.00	11.99	12.92	12.52	12.49	
2170.00	10.92	11.70	11.41	11.76	

Tabular Data of Non-Contiguous PSD

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1935.00 + 1987.50	35.91	3.89
	16QAM	1935.00 + 1987.50	36.26	4.22
	64QAM	1935.00 + 1987.50	36.00	3.98
	256QAM	1935.00 + 1987.50	35.86	3.86
1	QPSK	1935.00 + 1987.50	36.28	4.25
	16QAM	1935.00 + 1987.50	36.63	4.60
	64QAM	1935.00 + 1987.50	36.45	4.42
	256QAM	1935.00 + 1987.50	36.13	4.10
2	QPSK	1935.00 + 1987.50	35.76	3.77
	16QAM	1935.00 + 1987.50	36.10	4.07
	64QAM	1935.00 + 1987.50	35.76	3.77
	256QAM	1935.00 + 1987.50	35.51	3.56
3	QPSK	1935.00 + 1987.50	35.71	3.72
	16QAM	1935.00 + 1987.50	36.10	4.07
	64QAM	1935.00 + 1987.50	35.73	3.74
	256QAM	1935.00 + 1987.50	35.56	3.60

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
1935.00 + 1987.50	15.64	16.97	15.90	15.11	1640

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1935.00 + 1985.00	34.84	3.05
	16QAM	1935.00 + 1985.00	35.38	3.45
	64QAM	1935.00 + 1985.00	34.94	3.12
	256QAM	1935.00 + 1985.00	34.89	3.08
1	QPSK	1935.00 + 1985.00	35.08	3.22
	16QAM	1935.00 + 1985.00	35.61	3.64
	64QAM	1935.00 + 1985.00	35.11	3.24
	256QAM	1935.00 + 1985.00	35.27	3.36
2	QPSK	1935.00 + 1985.00	34.84	3.05
	16QAM	1935.00 + 1985.00	35.16	3.28
	64QAM	1935.00 + 1985.00	34.64	2.91
	256QAM	1935.00 + 1985.00	34.84	3.05
3	QPSK	1935.00 + 1985.00	34.70	2.95
	16QAM	1935.00 + 1985.00	35.48	3.53
	64QAM	1935.00 + 1985.00	34.69	2.94
	256QAM	1935.00 + 1985.00	34.78	3.01

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
1935.00 + 1985.00	12.27	13.90	12.21	12.50	1640

(2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2175.00	37.46	5.57
	16QAM	2112.50 + 2175.00	38.14	6.51
	64QAM	2112.50 + 2175.00	37.65	5.82
	256QAM	2112.50 + 2175.00	37.72	5.91
1	QPSK	2112.50 + 2175.00	37.89	6.16
	16QAM	2112.50 + 2175.00	38.23	6.66
	64QAM	2112.50 + 2175.00	37.71	5.90
	256QAM	2112.50 + 2175.00	37.69	5.87

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2175.00	11.73	13.17	11.72	11.78	1640

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2175.00	37.23	5.29
	16QAM	2112.50 + 2175.00	37.48	5.60
	64QAM	2112.50 + 2175.00	37.68	5.86
	256QAM	2112.50 + 2175.00	37.18	5.22
1	QPSK	2112.50 + 2175.00	37.09	5.11
	16QAM	2112.50 + 2175.00	37.28	5.35
	64QAM	2112.50 + 2175.00	37.13	5.17
	256QAM	2112.50 + 2175.00	36.95	4.95
2	QPSK	2112.50 + 2175.00	37.01	5.03
	16QAM	2112.50 + 2175.00	37.28	5.34
	64QAM	2112.50 + 2175.00	37.21	5.26
	256QAM	2112.50 + 2175.00	37.28	5.35
3	QPSK	2112.50 + 2175.00	36.98	4.99
	16QAM	2112.50 + 2175.00	37.54	5.67
	64QAM	2112.50 + 2175.00	37.13	5.16
	256QAM	2112.50 + 2175.00	37.17	5.21

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2175.00	20.41	21.97	21.45	20.73	1640

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2120.00 + 2175.00	34.48	2.81
	16QAM	2120.00 + 2175.00	34.56	2.86
	64QAM	2120.00 + 2175.00	34.64	2.91
	256QAM	2120.00 + 2175.00	34.51	2.83
1	QPSK	2120.00 + 2175.00	34.39	2.75
	16QAM	2120.00 + 2175.00	34.50	2.82
	64QAM	2120.00 + 2175.00	34.53	2.84
	256QAM	2120.00 + 2175.00	34.53	2.84
2	QPSK	2120.00 + 2175.00	34.47	2.80
	16QAM	2120.00 + 2175.00	34.54	2.85
	64QAM	2120.00 + 2175.00	34.55	2.85
	256QAM	2120.00 + 2175.00	34.57	2.86
3	QPSK	2120.00 + 2175.00	34.66	2.93
	16QAM	2120.00 + 2175.00	34.55	2.85
	64QAM	2120.00 + 2175.00	34.43	2.77
	256QAM	2120.00 + 2175.00	34.47	2.80

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2120.00 + 2175.00	11.28	11.37	11.37	11.33	1640

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2175.00	38.54	7.15
	16QAM	2112.50 + 2175.00	38.81	7.60
	64QAM	2112.50 + 2175.00	38.90	7.76
	256QAM	2112.50 + 2175.00	39.01	7.97
1	QPSK	2112.50 + 2175.00	38.50	7.07
	16QAM	2112.50 + 2175.00	39.04	8.01
	64QAM	2112.50 + 2175.00	38.73	7.47
	256QAM	2112.50 + 2175.00	38.71	7.44

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2175.00	14.23	15.61	15.23	15.41	1640

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2172.50	35.63	3.66
	16QAM	2112.50 + 2172.50	36.34	4.30
	64QAM	2112.50 + 2172.50	35.82	3.82
	256QAM	2112.50 + 2172.50	35.87	3.86
1	QPSK	2112.50 + 2172.50	35.68	3.69
	16QAM	2112.50 + 2172.50	36.14	4.11
	64QAM	2112.50 + 2172.50	35.80	3.80
	256QAM	2112.50 + 2172.50	35.66	3.69
2	QPSK	2112.50 + 2172.50	36.20	4.17
	16QAM	2112.50 + 2172.50	36.53	4.50
	64QAM	2112.50 + 2172.50	36.09	4.07
	256QAM	2112.50 + 2172.50	36.16	4.13
3	QPSK	2112.50 + 2172.50	35.98	3.97
	16QAM	2112.50 + 2172.50	36.34	4.30
	64QAM	2112.50 + 2172.50	36.10	4.07
	256QAM	2112.50 + 2172.50	36.09	4.07

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2172.50	15.49	17.21	15.76	15.75	1640

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2172.50	35.83	3.83
	16QAM	2112.50 + 2172.50	35.89	3.88
	64QAM	2112.50 + 2172.50	35.67	3.69
	256QAM	2112.50 + 2172.50	35.96	3.94
1	QPSK	2112.50 + 2172.50	35.69	3.71
	16QAM	2112.50 + 2172.50	36.19	4.16
	64QAM	2112.50 + 2172.50	35.74	3.75
	256QAM	2112.50 + 2172.50	35.83	3.83
2	QPSK	2112.50 + 2172.50	36.09	4.07
	16QAM	2112.50 + 2172.50	36.35	4.31
	64QAM	2112.50 + 2172.50	36.06	4.04
	256QAM	2112.50 + 2172.50	36.18	4.15
3	QPSK	2112.50 + 2172.50	36.29	4.25
	16QAM	2112.50 + 2172.50	36.31	4.27
	64QAM	2112.50 + 2172.50	36.16	4.13
	256QAM	2112.50 + 2172.50	36.17	4.14

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2172.50	15.85	16.62	15.61	16.05	1640

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2167.50	34.18	2.62
	16QAM	2112.50 + 2167.50	34.66	2.93
	64QAM	2112.50 + 2167.50	34.03	2.53
	256QAM	2112.50 + 2167.50	34.21	2.64
1	QPSK	2112.50 + 2167.50	33.69	2.34
	16QAM	2112.50 + 2167.50	34.60	2.88
	64QAM	2112.50 + 2167.50	34.05	2.54
	256QAM	2112.50 + 2167.50	34.24	2.66
2	QPSK	2112.50 + 2167.50	34.19	2.63
	16QAM	2112.50 + 2167.50	34.75	2.99
	64QAM	2112.50 + 2167.50	34.33	2.71
	256QAM	2112.50 + 2167.50	34.34	2.72
3	QPSK	2112.50 + 2167.50	34.20	2.63
	16QAM	2112.50 + 2167.50	34.94	3.12
	64QAM	2112.50 + 2167.50	34.19	2.62
	256QAM	2112.50 + 2167.50	34.52	2.83

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2167.50	10.22	11.92	10.41	10.84	1640

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2172.50	34.13	2.59
	16QAM	2112.50 + 2172.50	34.77	3.00
	64QAM	2112.50 + 2172.50	33.95	2.48
	256QAM	2112.50 + 2172.50	34.46	2.80
1	QPSK	2112.50 + 2172.50	34.00	2.51
	16QAM	2112.50 + 2172.50	34.65	2.92
	64QAM	2112.50 + 2172.50	34.19	2.62
	256QAM	2112.50 + 2172.50	34.33	2.71
2	QPSK	2112.50 + 2172.50	34.42	2.77
	16QAM	2112.50 + 2172.50	34.73	2.97
	64QAM	2112.50 + 2172.50	34.23	2.65
	256QAM	2112.50 + 2172.50	34.52	2.83
3	QPSK	2112.50 + 2172.50	34.37	2.73
	16QAM	2112.50 + 2172.50	34.93	3.11
	64QAM	2112.50 + 2172.50	34.61	2.89
	256QAM	2112.50 + 2172.50	34.38	2.74

Sum Data of Port 0, Port 1, Port 2 and Port 3

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2172.50	10.60	12.00	10.65	11.08	1640

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2172.50	37.22	5.27
	16QAM	2112.50 + 2172.50	37.50	5.62
	64QAM	2112.50 + 2172.50	37.44	5.55
	256QAM	2112.50 + 2172.50	37.77	5.98
1	QPSK	2112.50 + 2172.50	37.30	5.37
	16QAM	2112.50 + 2172.50	37.56	5.71
	64QAM	2112.50 + 2172.50	37.50	5.62
	256QAM	2112.50 + 2172.50	37.93	6.21

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2172.50	10.65	11.33	11.17	12.19	1640

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2172.50	37.33	5.41
	16QAM	2112.50 + 2172.50	37.66	5.84
	64QAM	2112.50 + 2172.50	37.57	5.72
	256QAM	2112.50 + 2172.50	37.62	5.78
1	QPSK	2112.50 + 2172.50	37.30	5.37
	16QAM	2112.50 + 2172.50	37.75	5.95
	64QAM	2112.50 + 2172.50	37.76	5.96
	256QAM	2112.50 + 2172.50	37.90	6.16

Sum Data of Port 0, Port 1

Frequency (MHz)	PSD				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2112.50 + 2172.50	10.78	11.79	11.68	11.94	1640

Plot Data of PSD

Antenna 0 / (4 Port) B66 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 10 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 15 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 20 MHz 1 Carrier / 16QAM / Middle



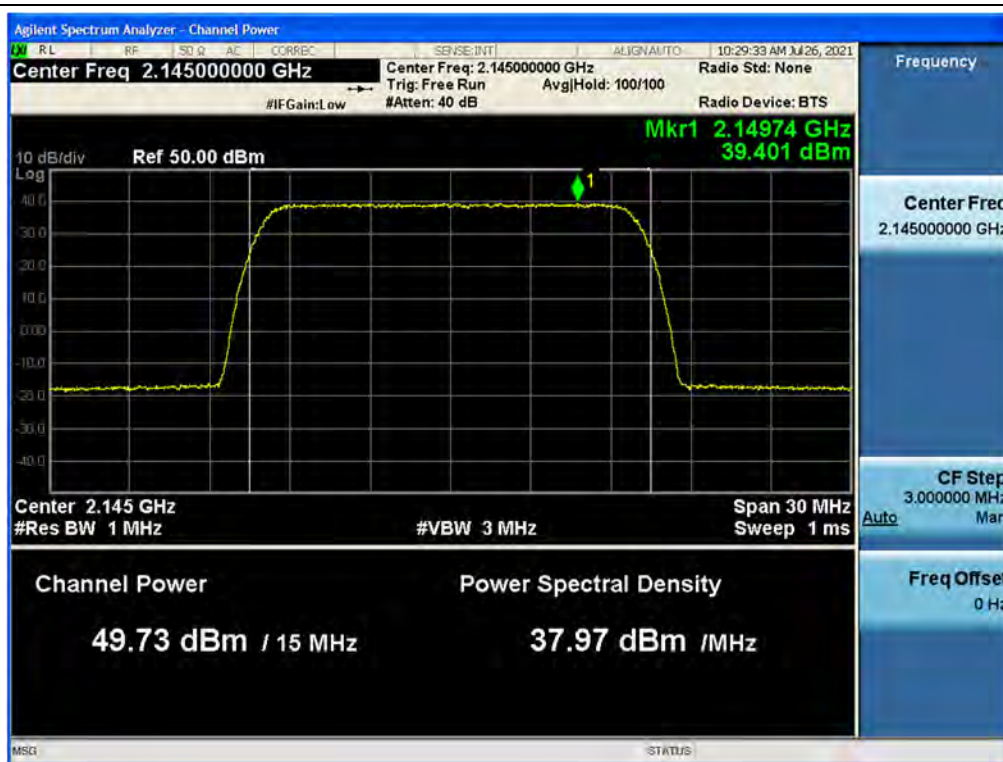
Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (2 Port) B66 LTE 10 MHz 1 Carrier / 256QAM / Middle



Antenna 0 / (2 Port) B66 LTE 15 MHz 1 Carrier / QPSK / Middle



Antenna 0 / (2 Port) B66 LTE 20 MHz 1 Carrier / 256QAM / Middle



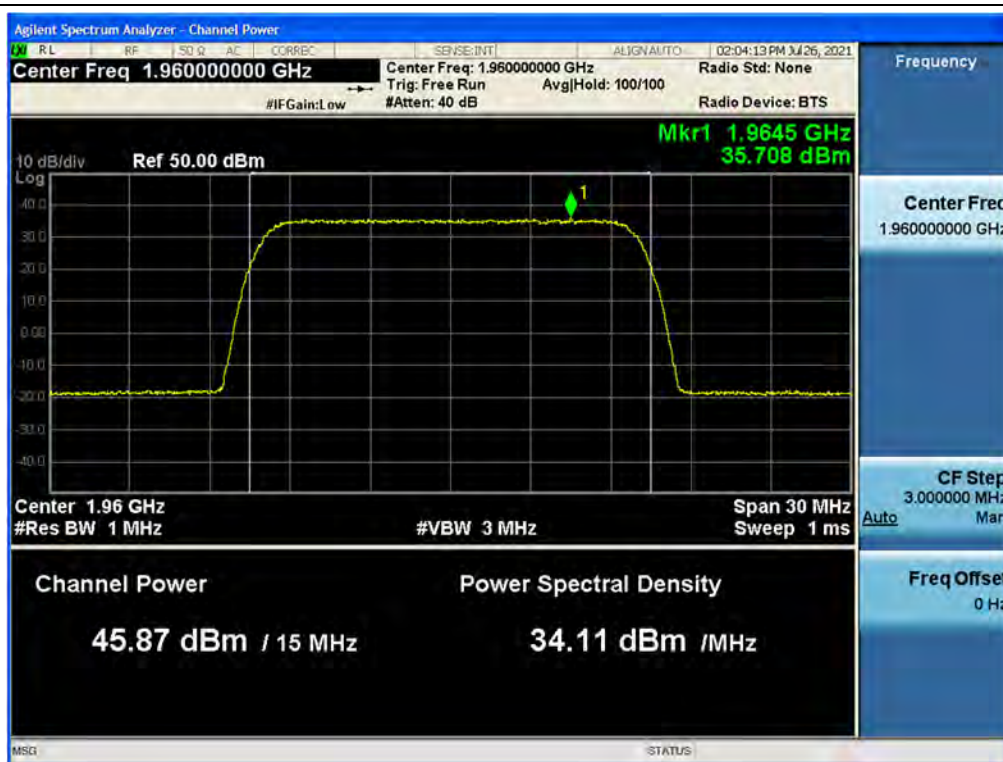
Antenna 0 / (4 Port) B2 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B2 LTE 10 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (4 Port) B2 LTE 15 MHz 1 Carrier / 256QAM / Middle



Antenna 0 / (4 Port) B2 LTE 20 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (2 Port) B2 LTE 10 MHz 1 Carrier / QPSK / Middle



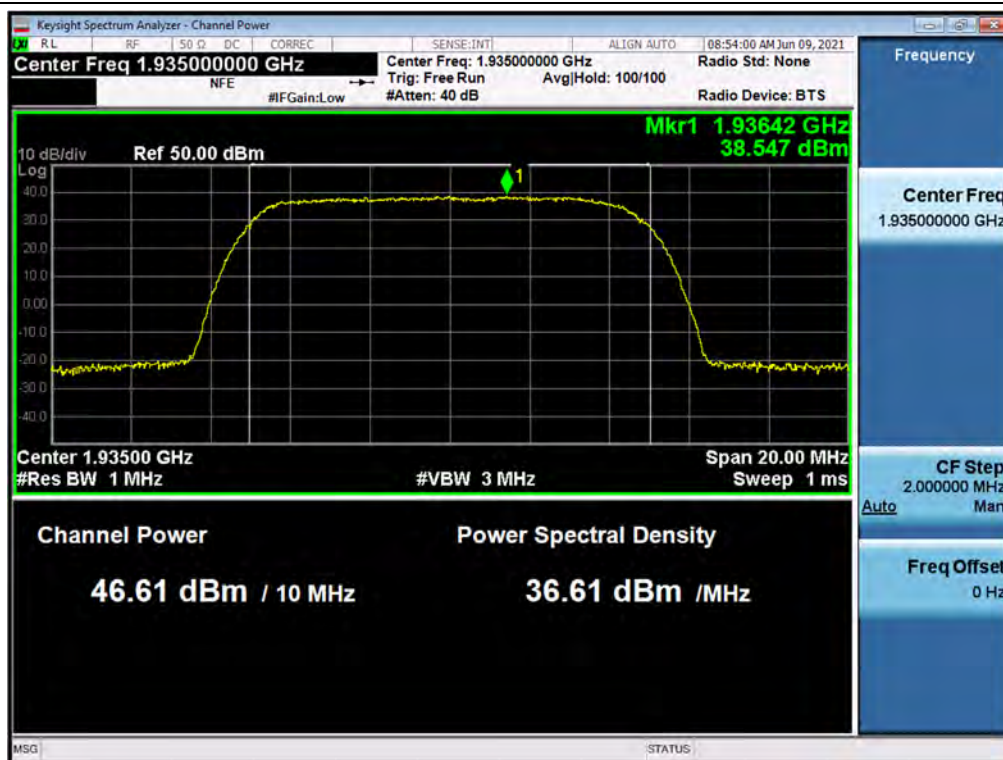
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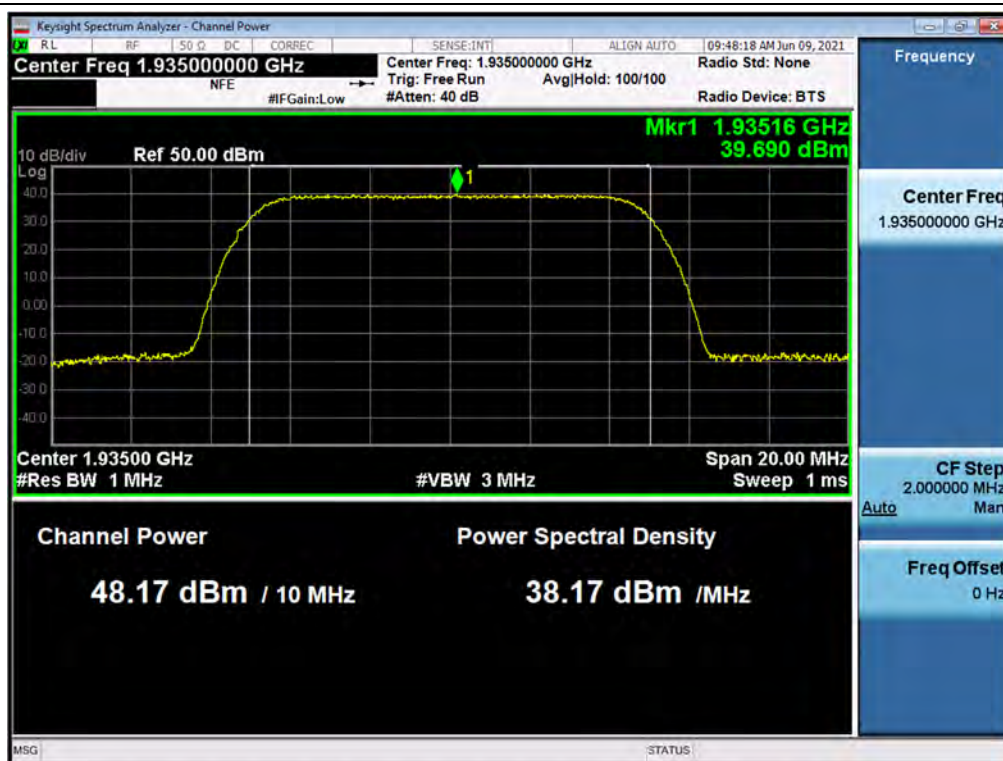
Antenna 0 / (2 Port) B2 LTE 20 MHz 1 Carrier / 64QAM / Middle



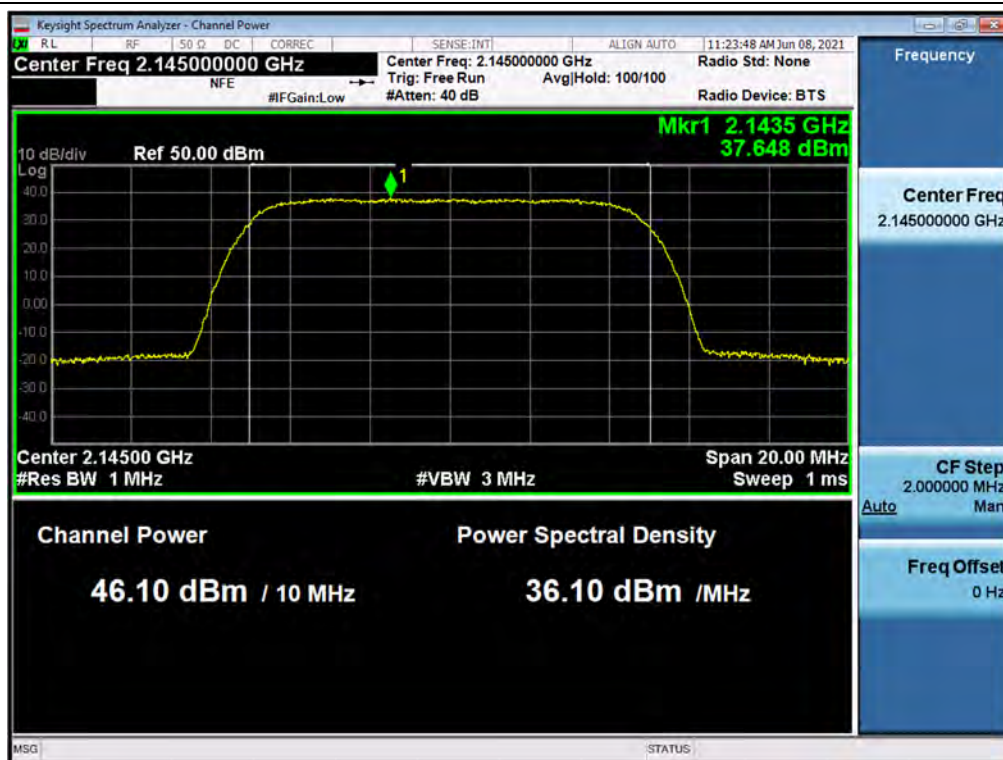
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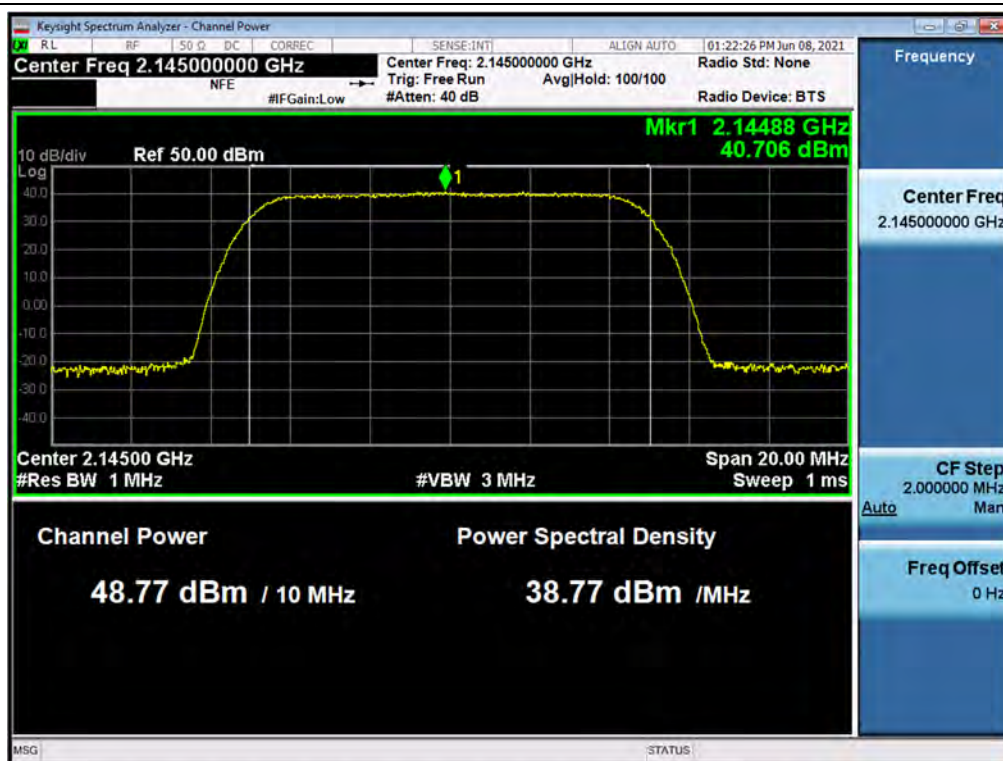
Antenna 1 / (2 Port) B2 DSS 10 MHz 1 Carrier / QPSK / Low



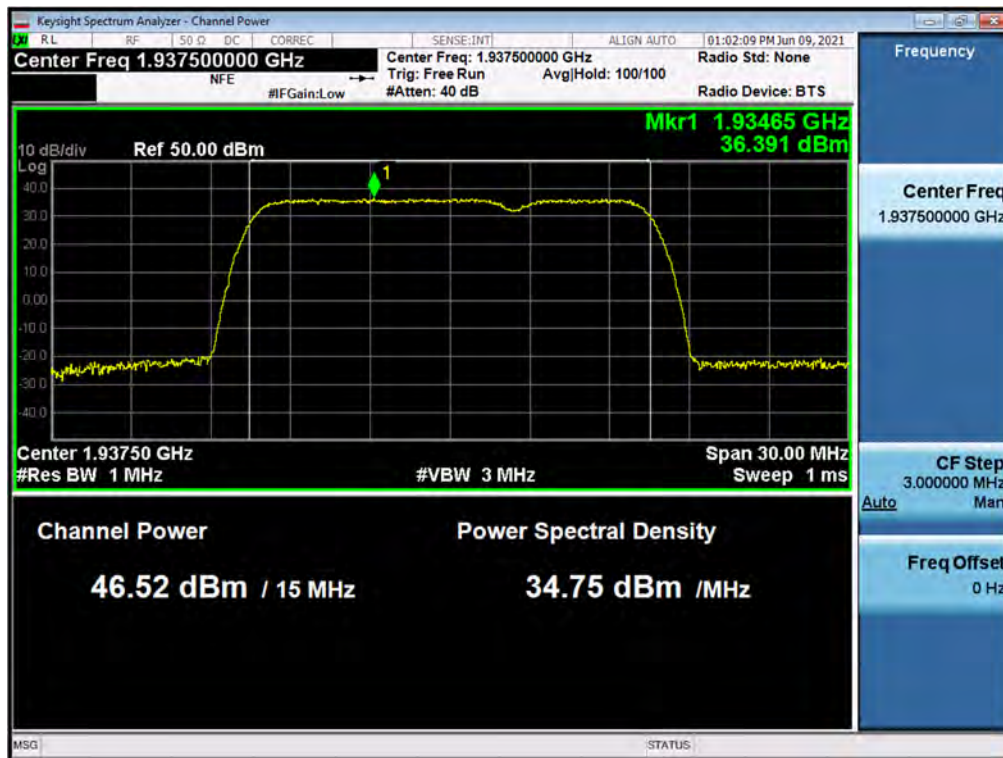
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier / 16QAM / Middle



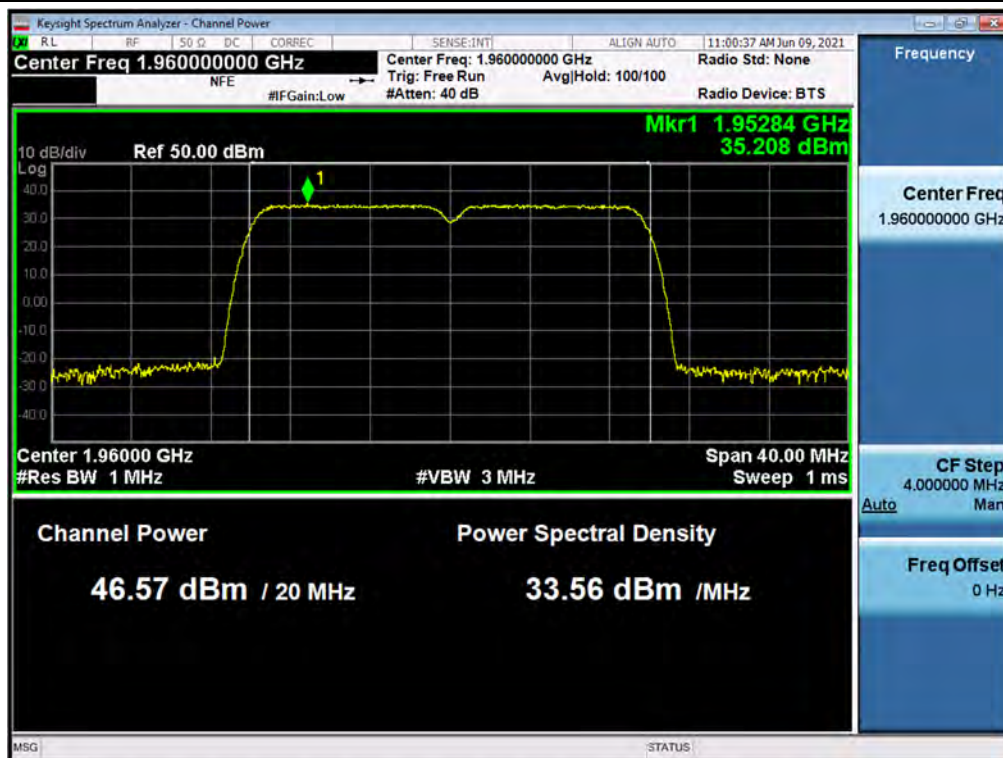
Antenna 1 / (2 Port) B66 DSS 10 MHz 1 Carrier / 64QAM / Middle



Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low



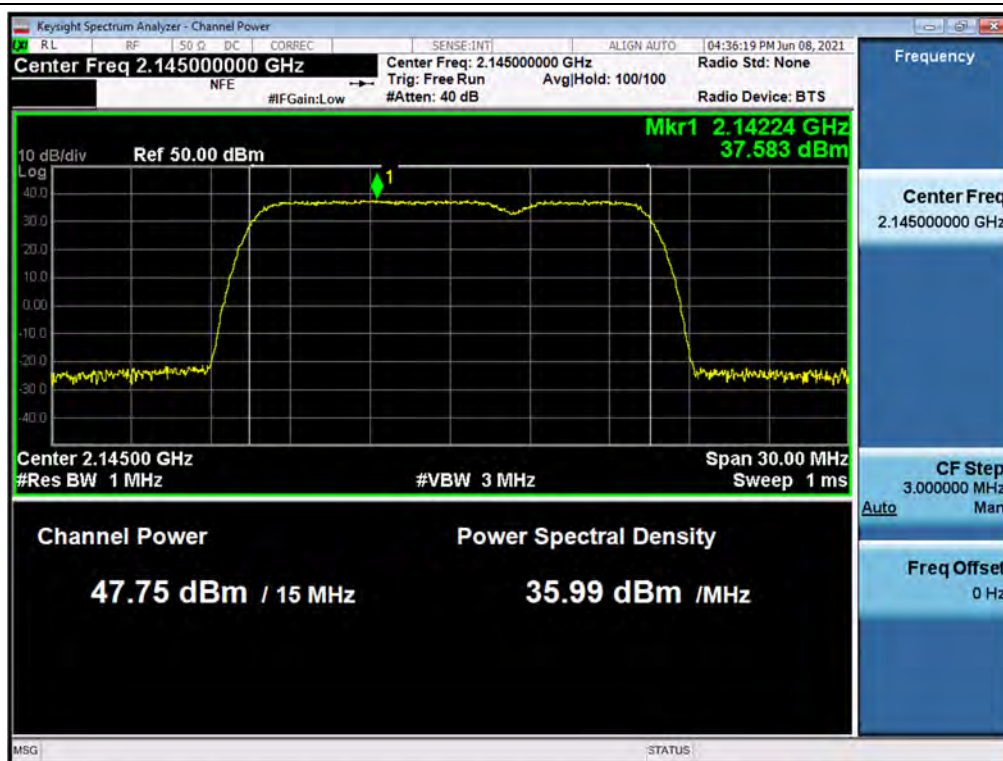
Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle



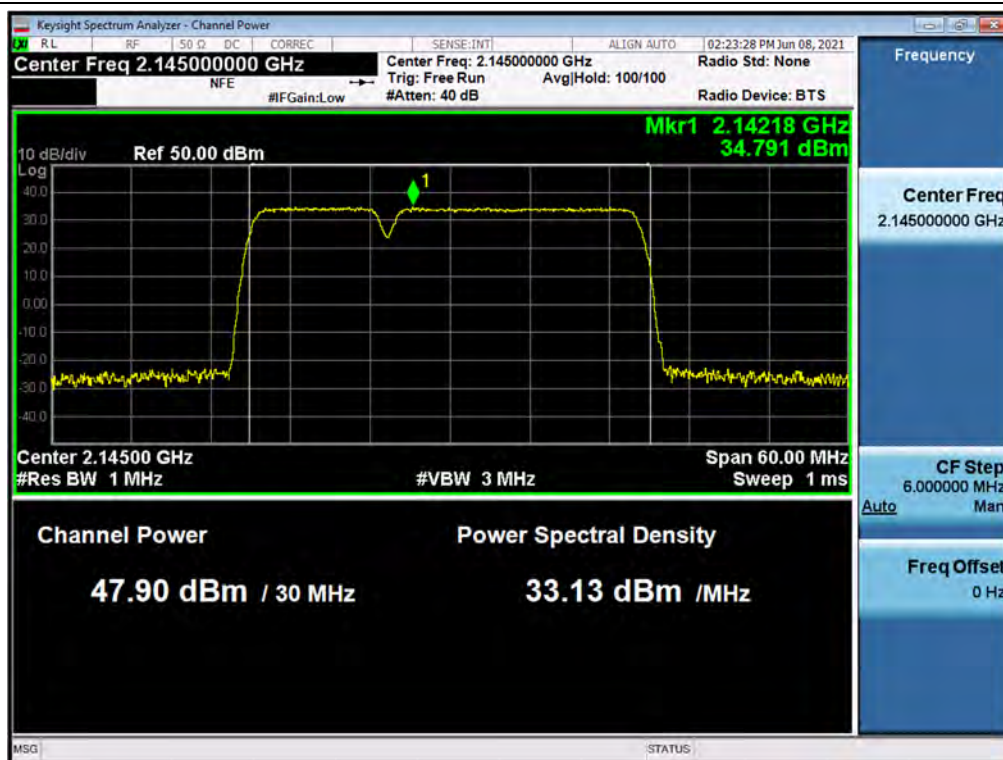
Antenna 1 / (2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Low



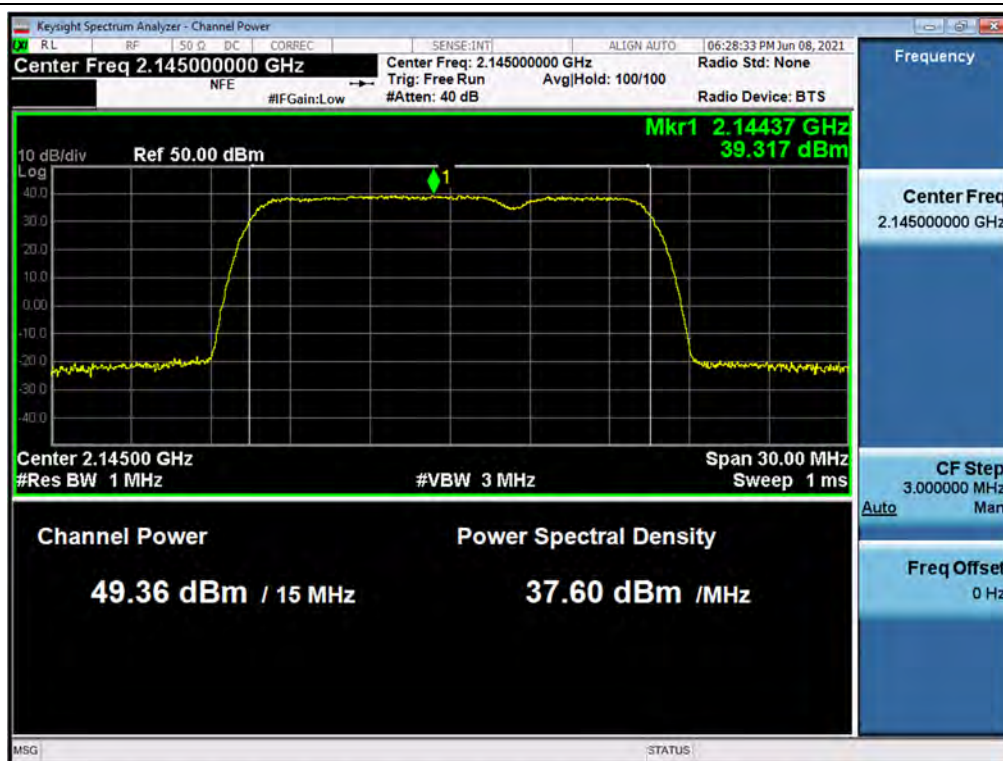
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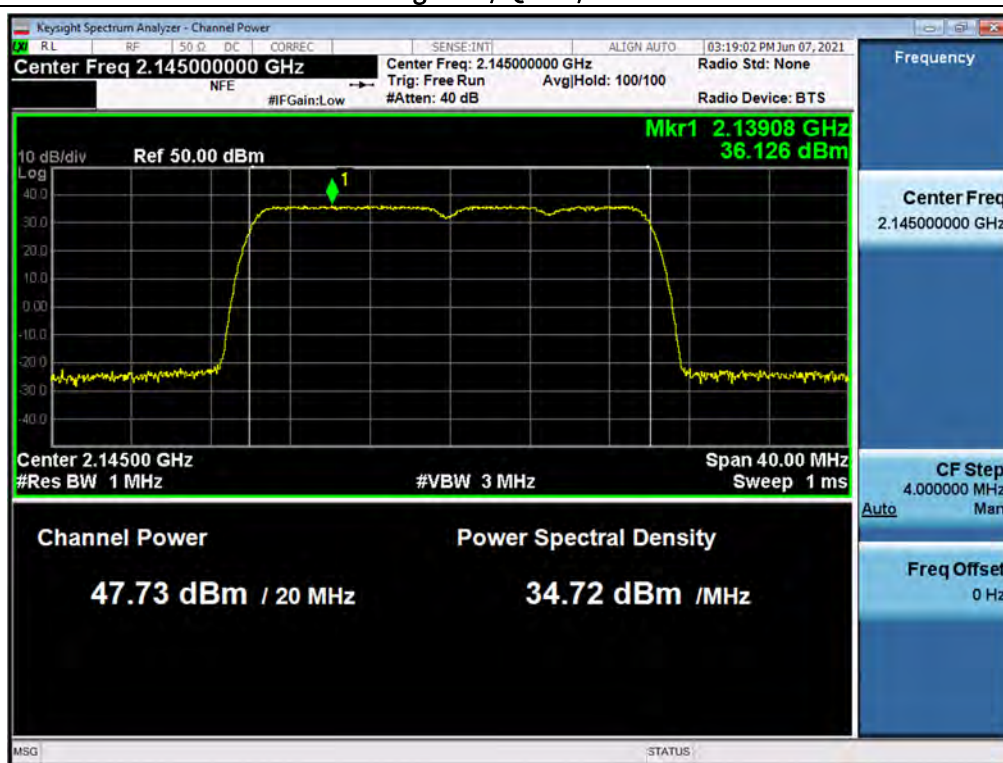
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle



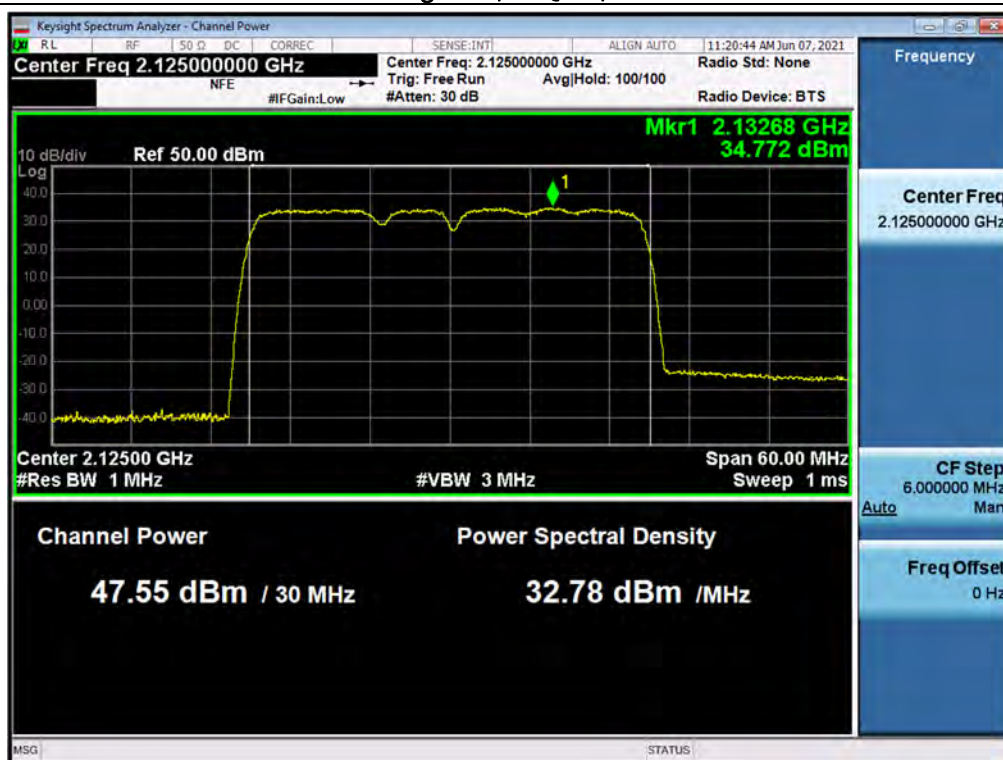
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Middle



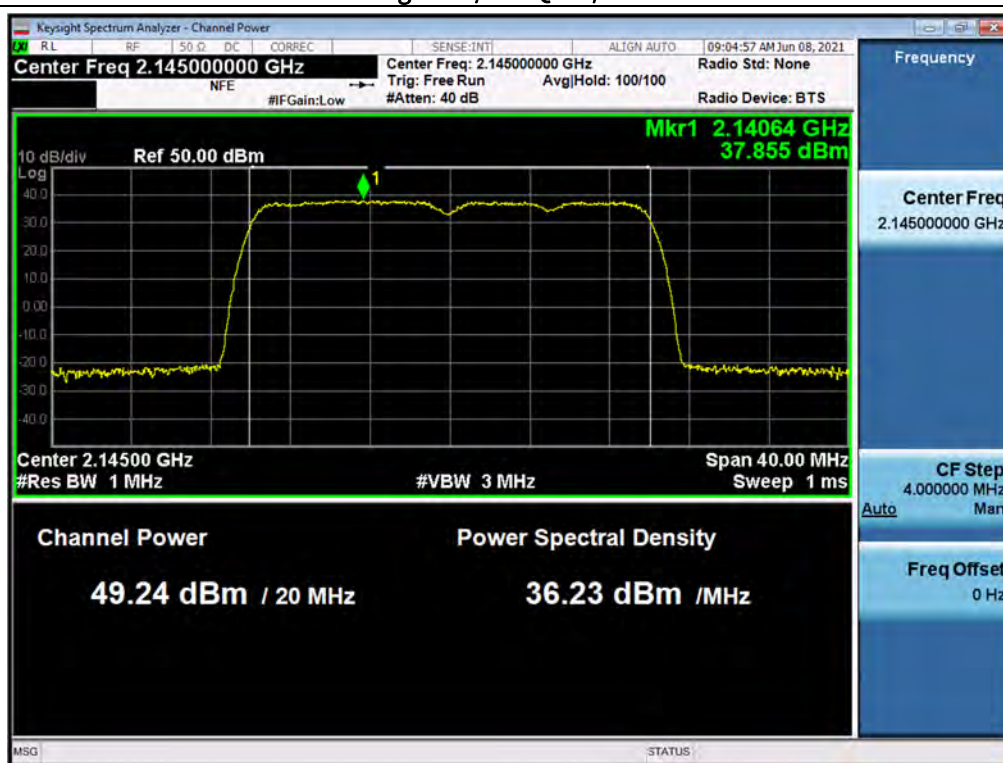
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] /
Contiguous / QPSK / Middle



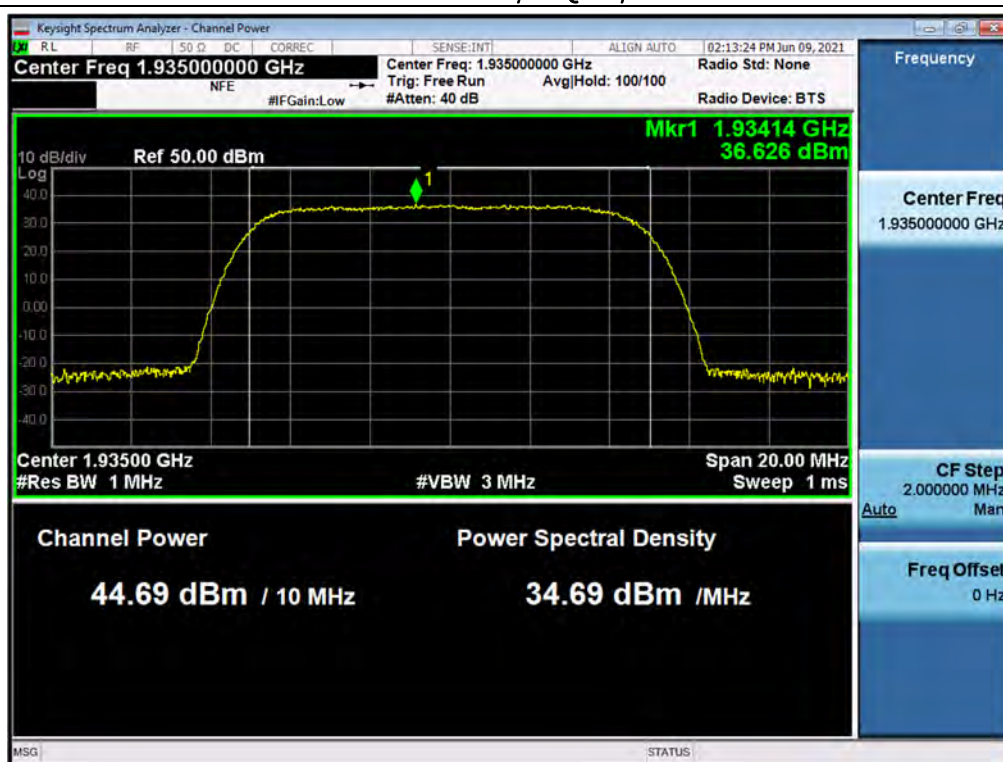
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] /
Contiguous / 16QAM / Low



Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] /
Contiguous / 256QAM / Middle



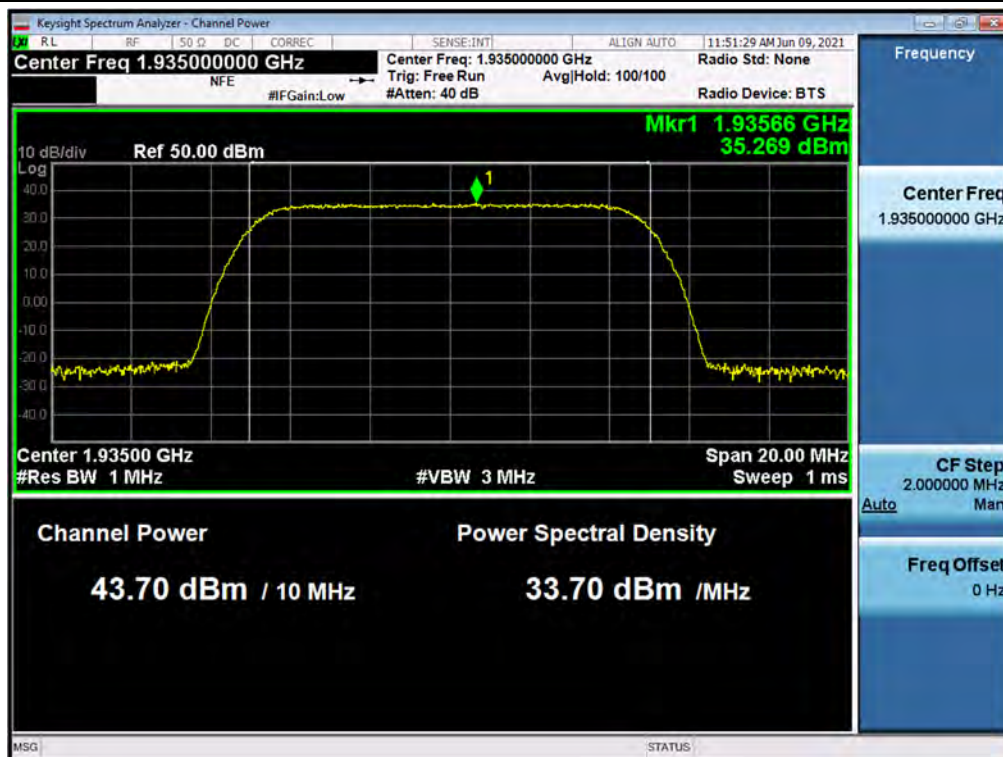
Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B2 DSS 10 MHz / 16QAM / Low



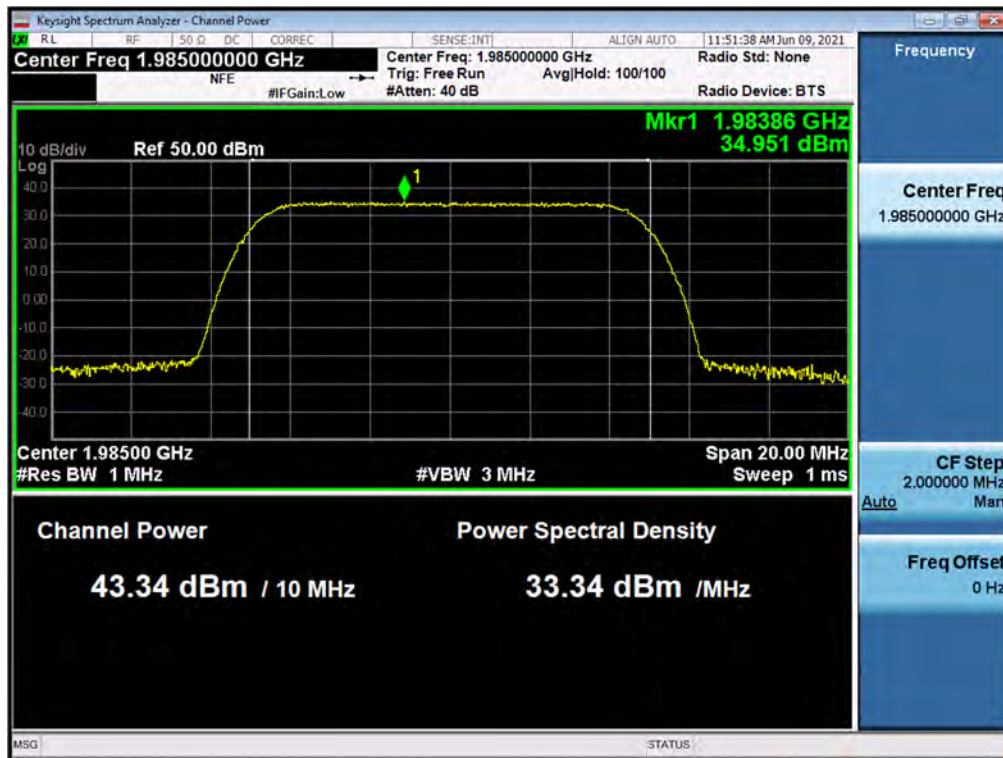
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B2 LTE 5 MHz / 16QAM / High



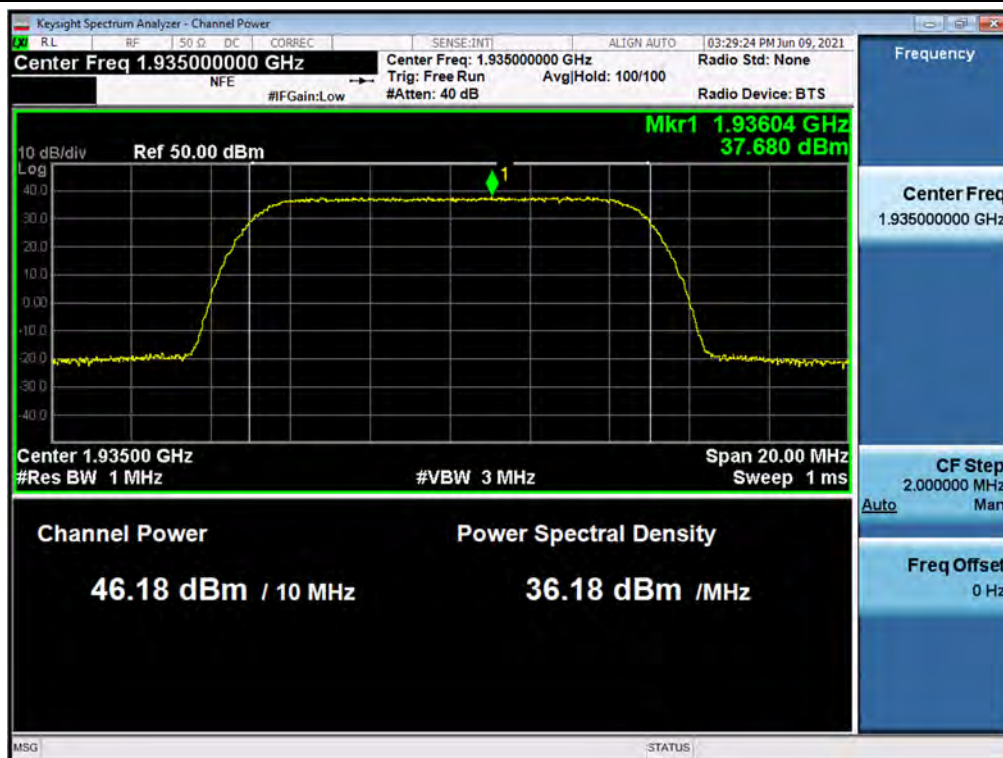
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B2 DSS 10 MHz / 256QAM / Low



Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B2 LTE 10 MHz / 256QAM / High



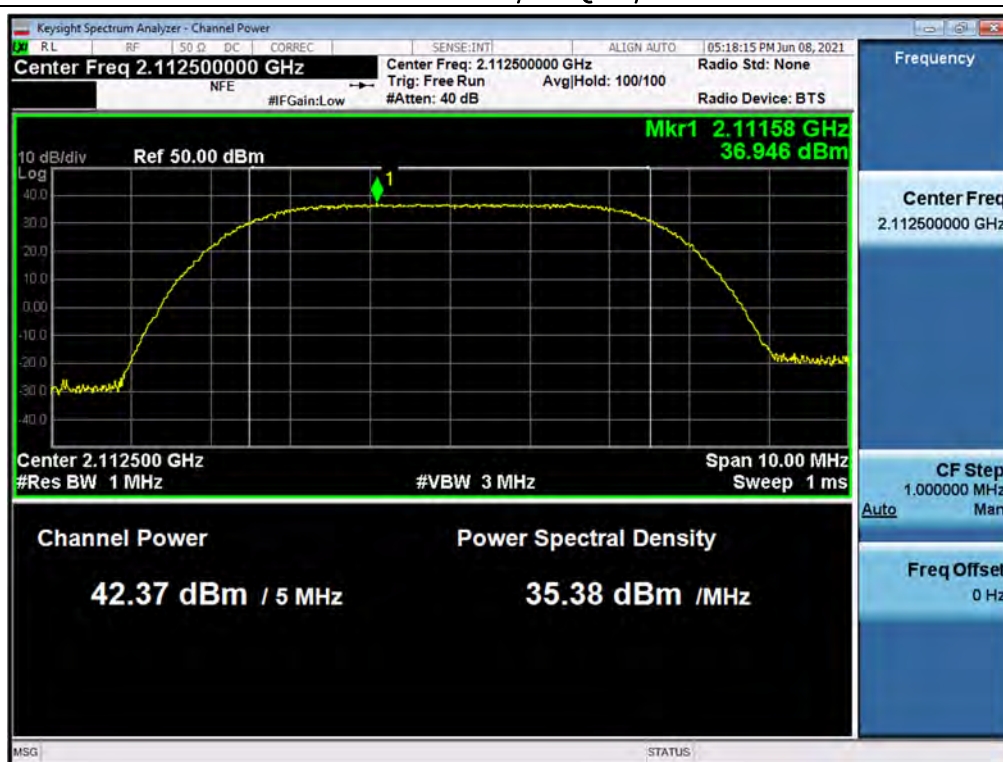
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B2 DSS 10 MHz / 64QAM / Low



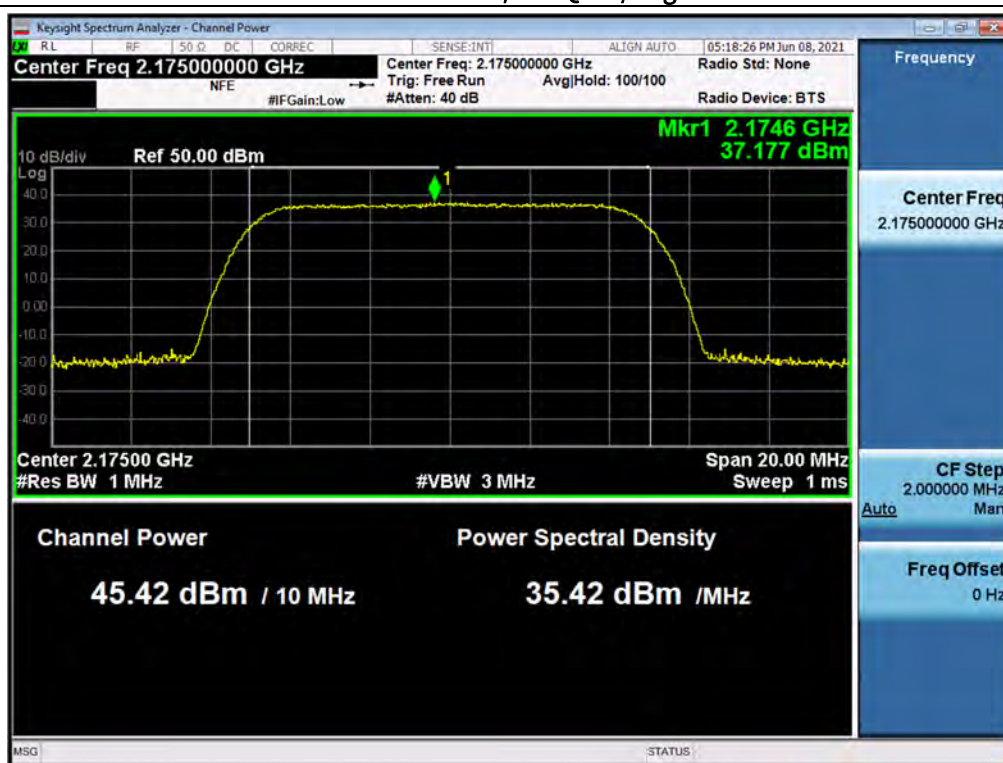
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B2 LTE 5 MHz / 64QAM / High



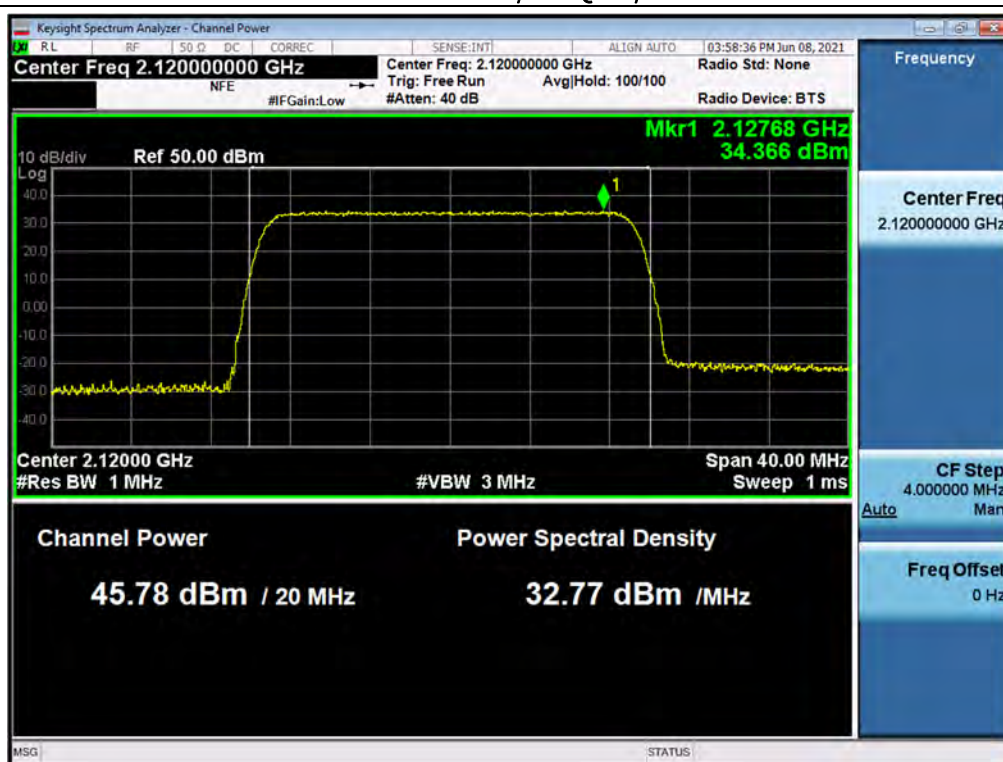
Antenna 0 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous /
B66 DSS 10 MHz / 256QAM / Low



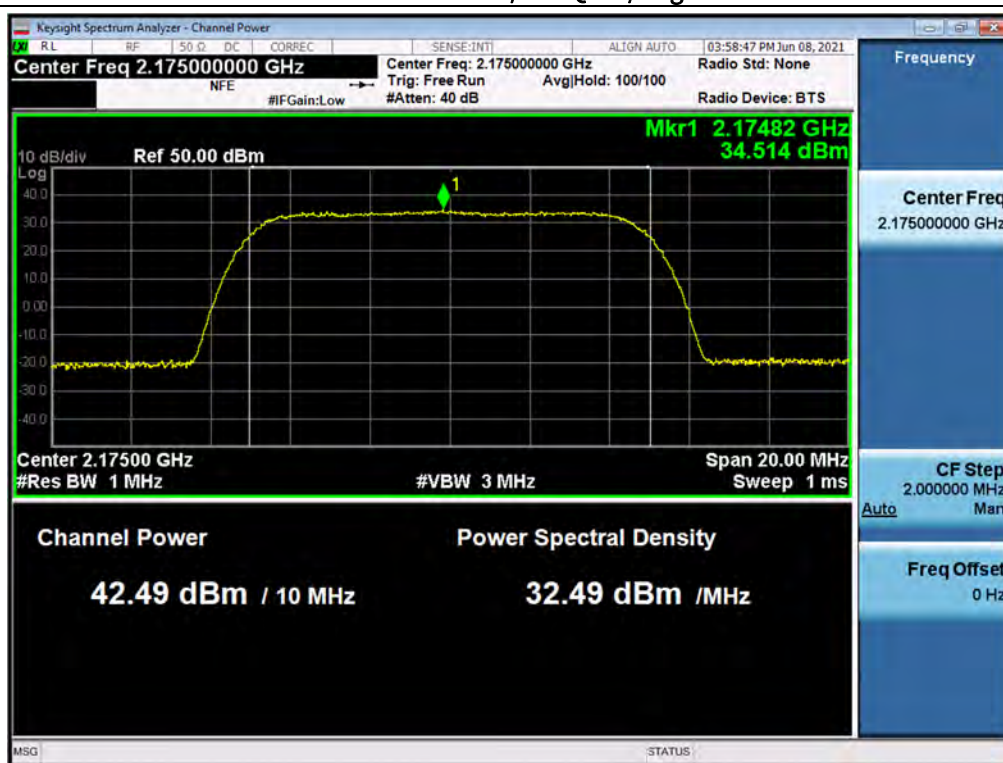
Antenna 0 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 256QAM / High



Antenna 0 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 DSS 10 MHz / 256QAM / Low



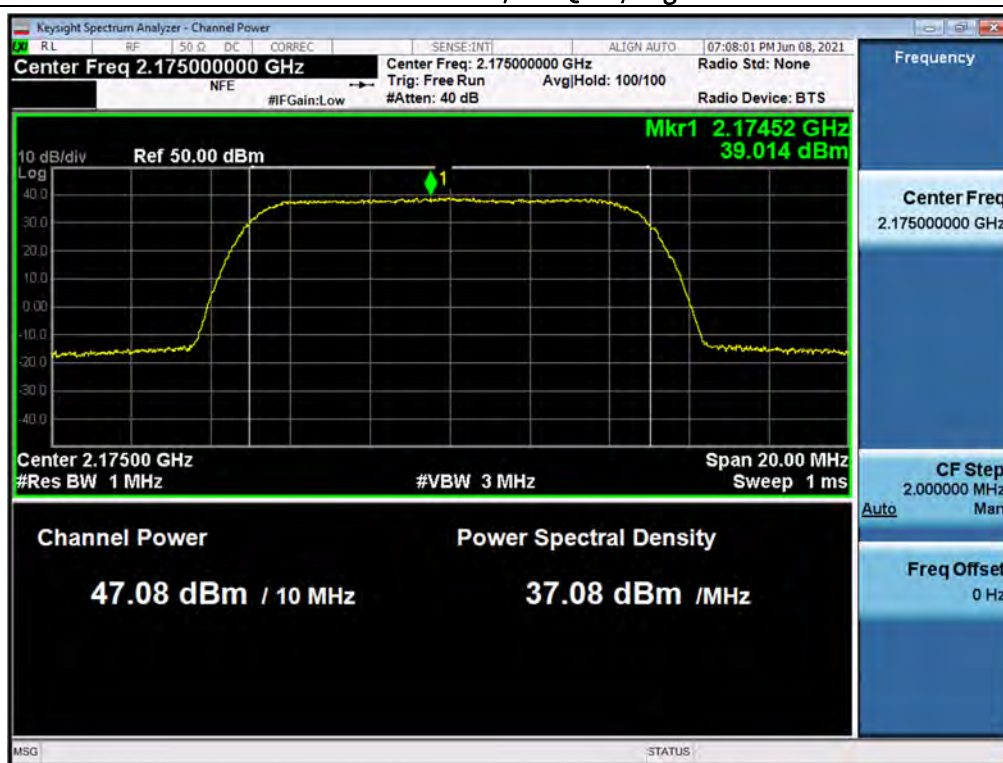
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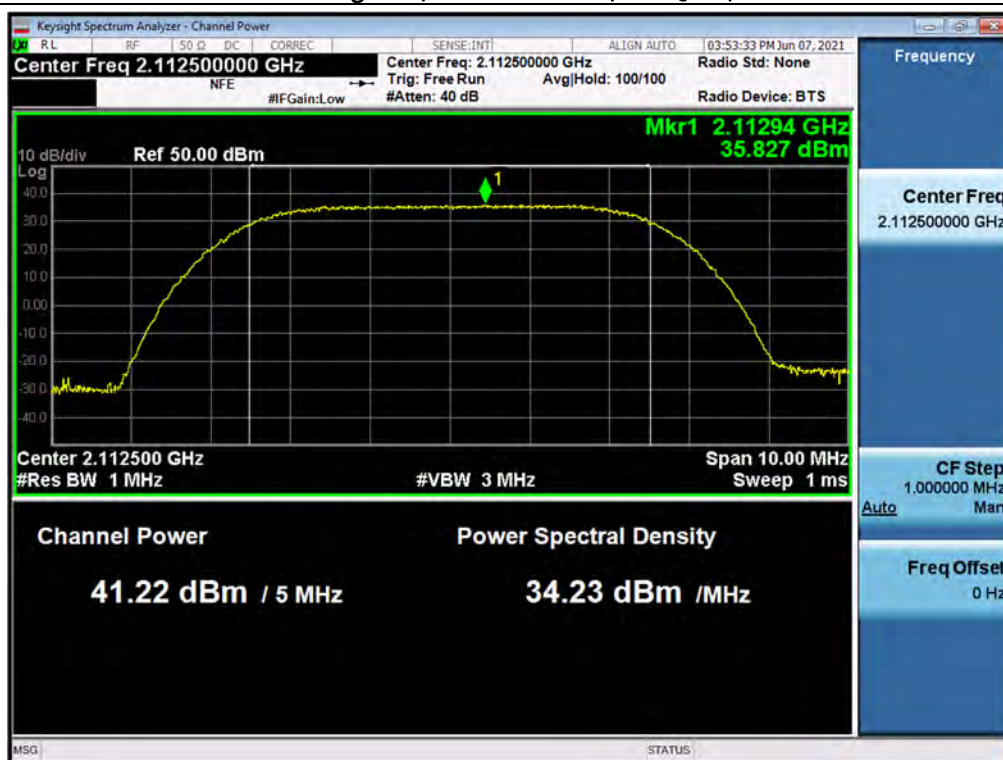
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 DSS 10 MHz / 256QAM / Low



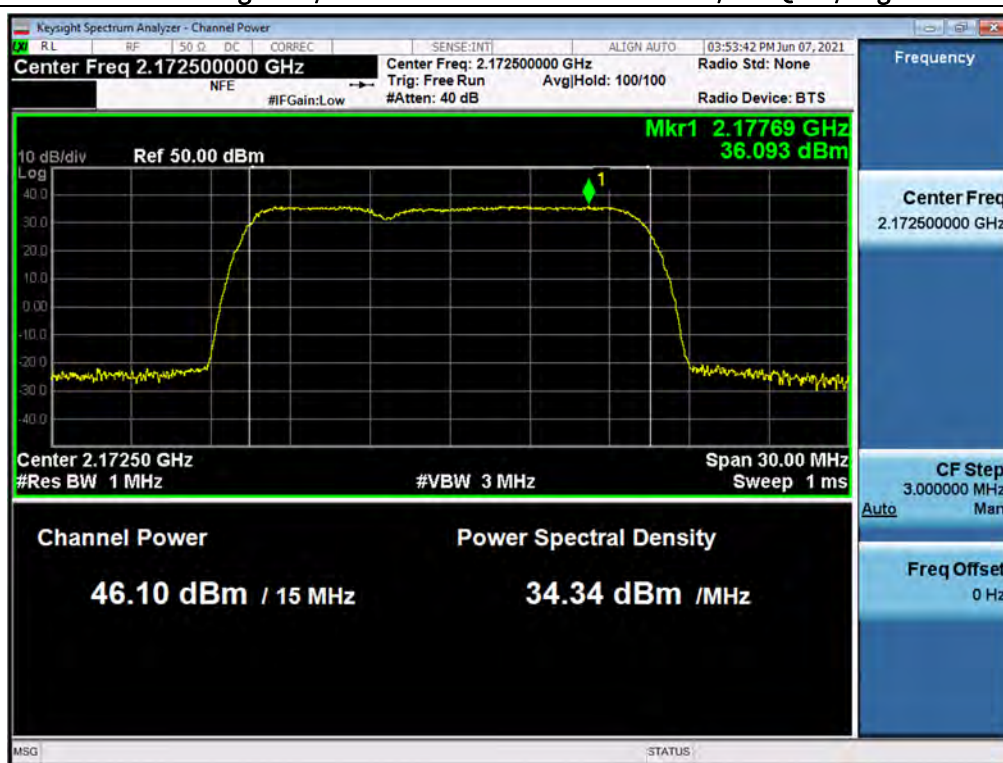
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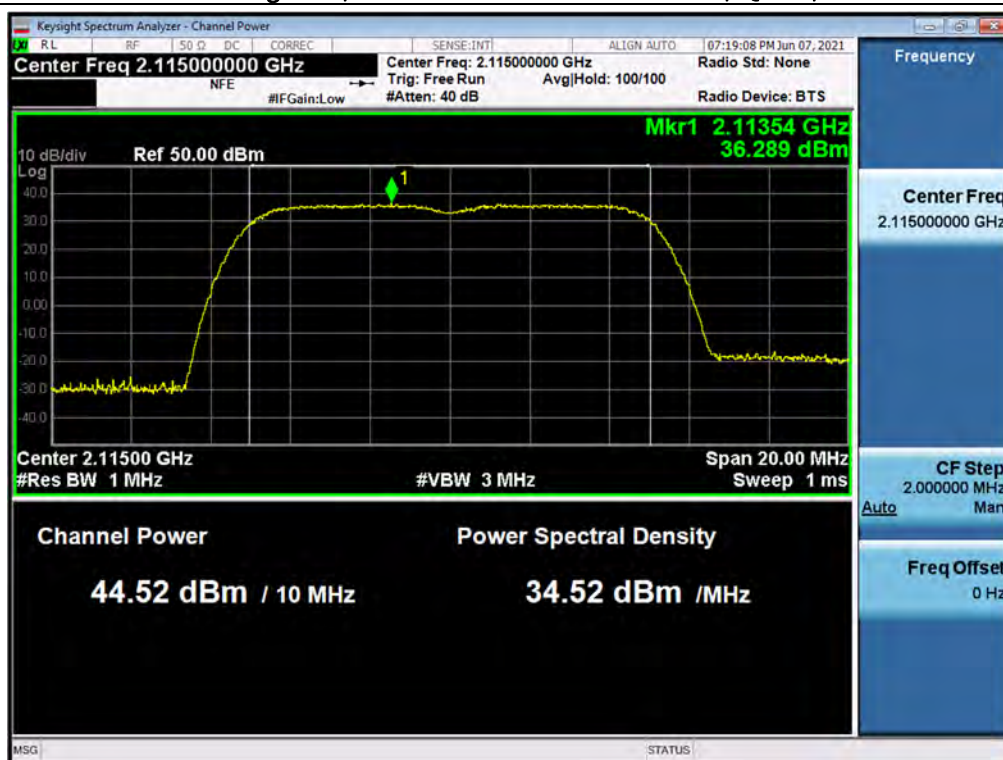
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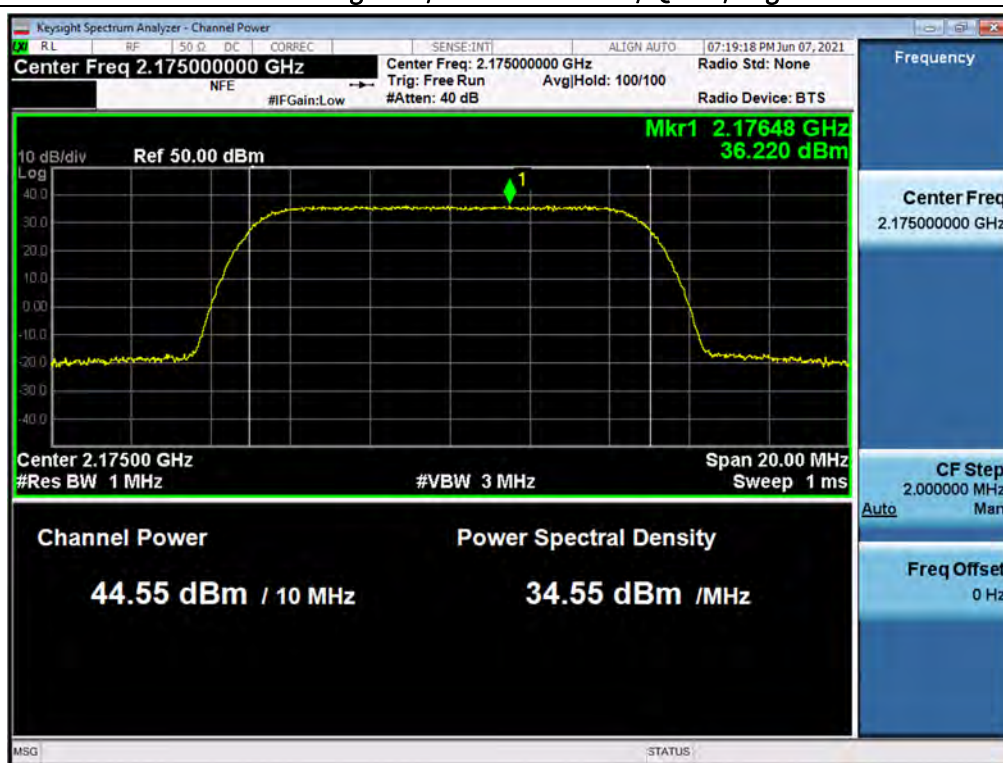
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 DSS 10 MHz / 256QAM / High



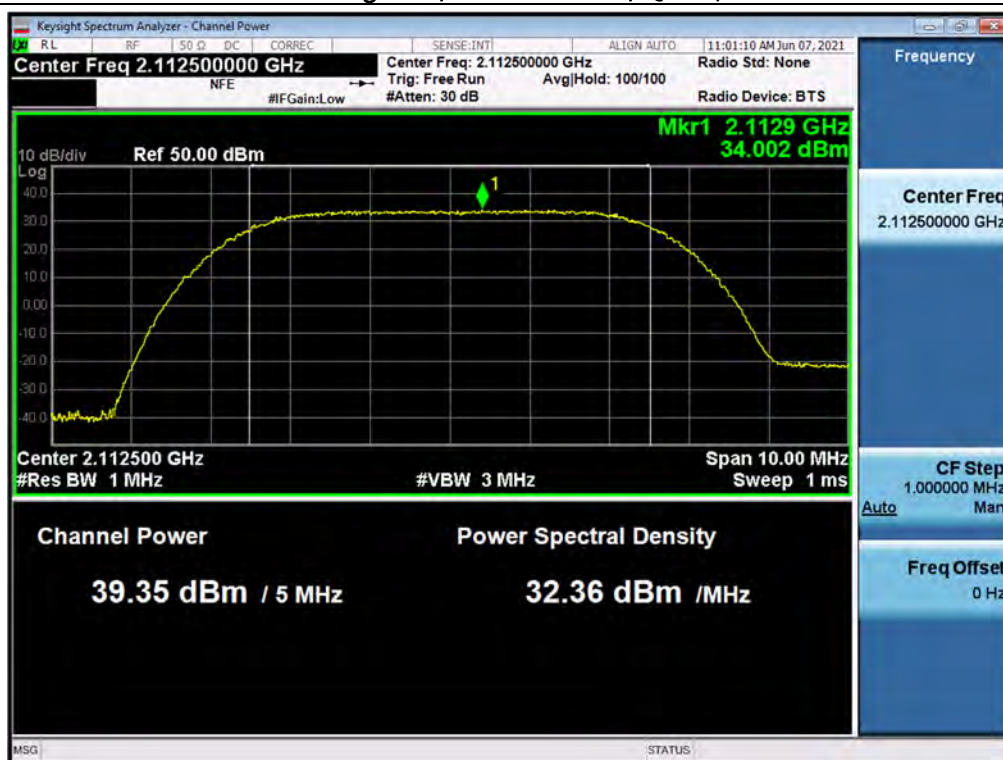
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz / QPSK / Low



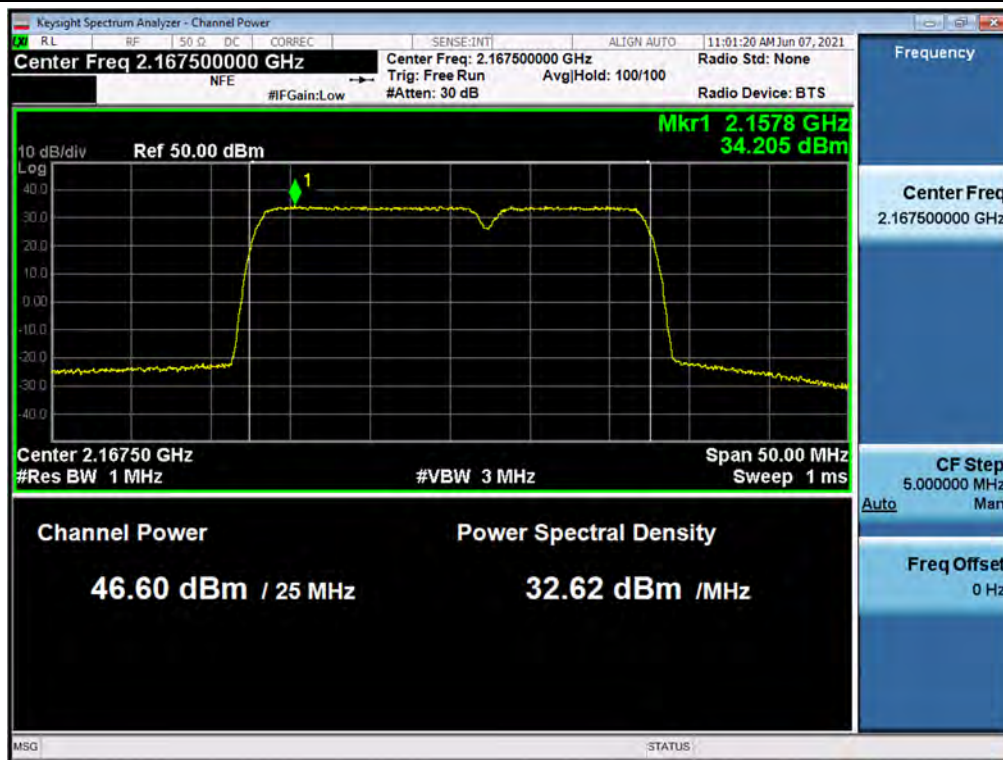
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 DSS 10 MHz / QPSK / High



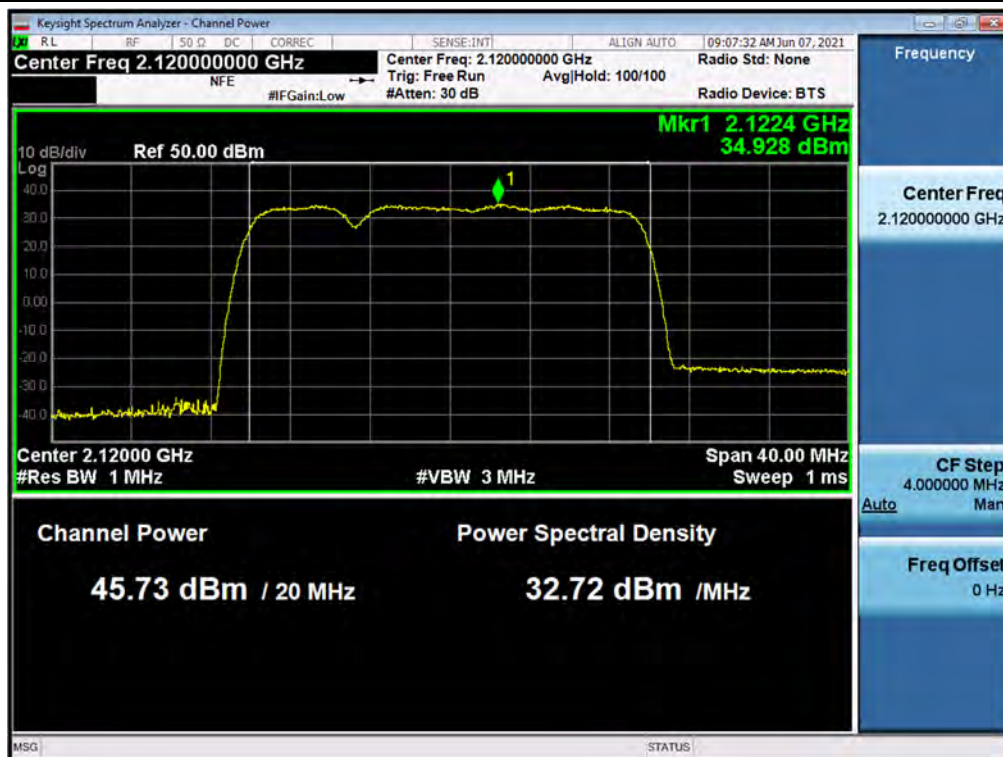
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz / QPSK / Low



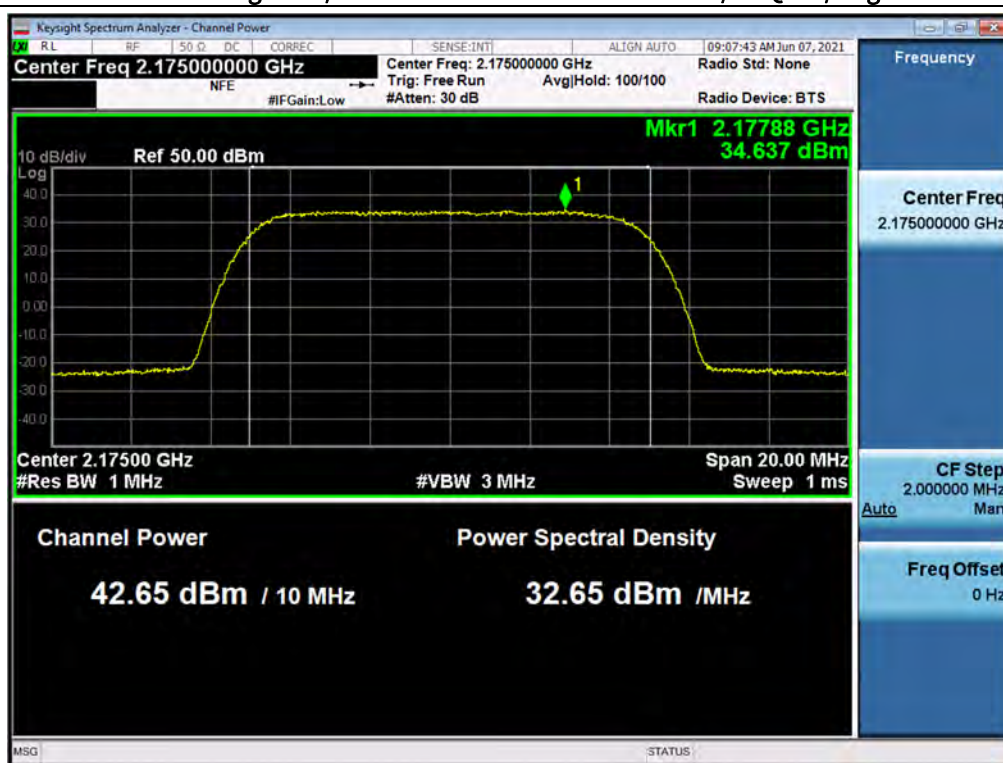
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 15 MHz + B66 DSS 10 MHz / QPSK / High



Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 15 MHz / 16QAM / Low



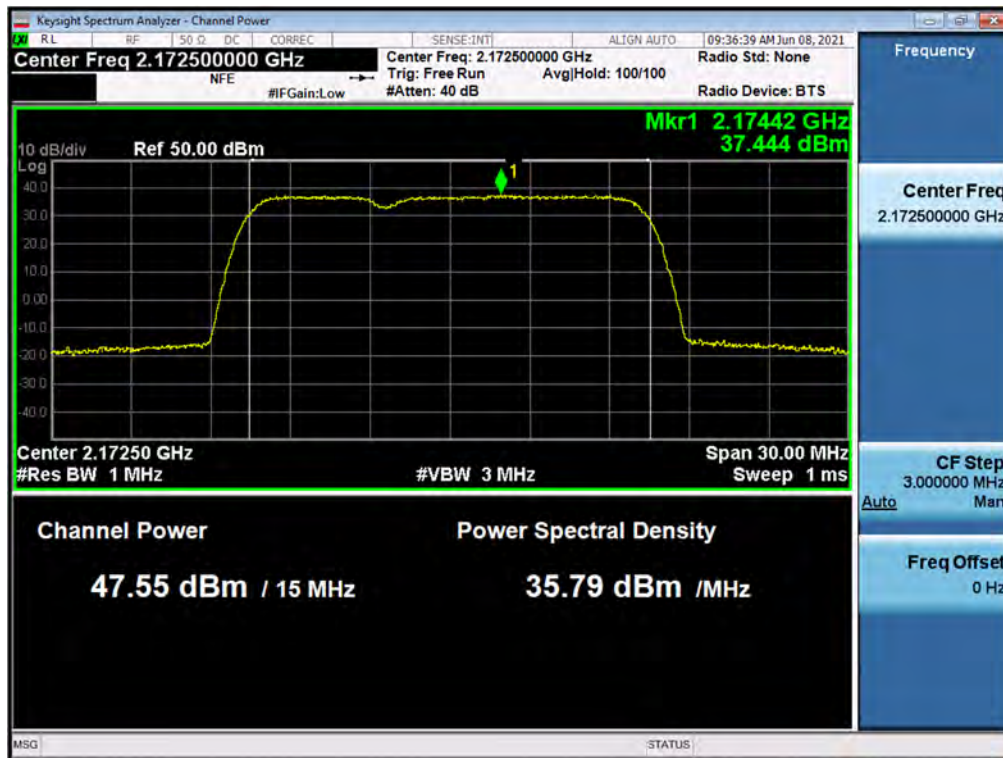
Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 15 MHz / 16QAM / High



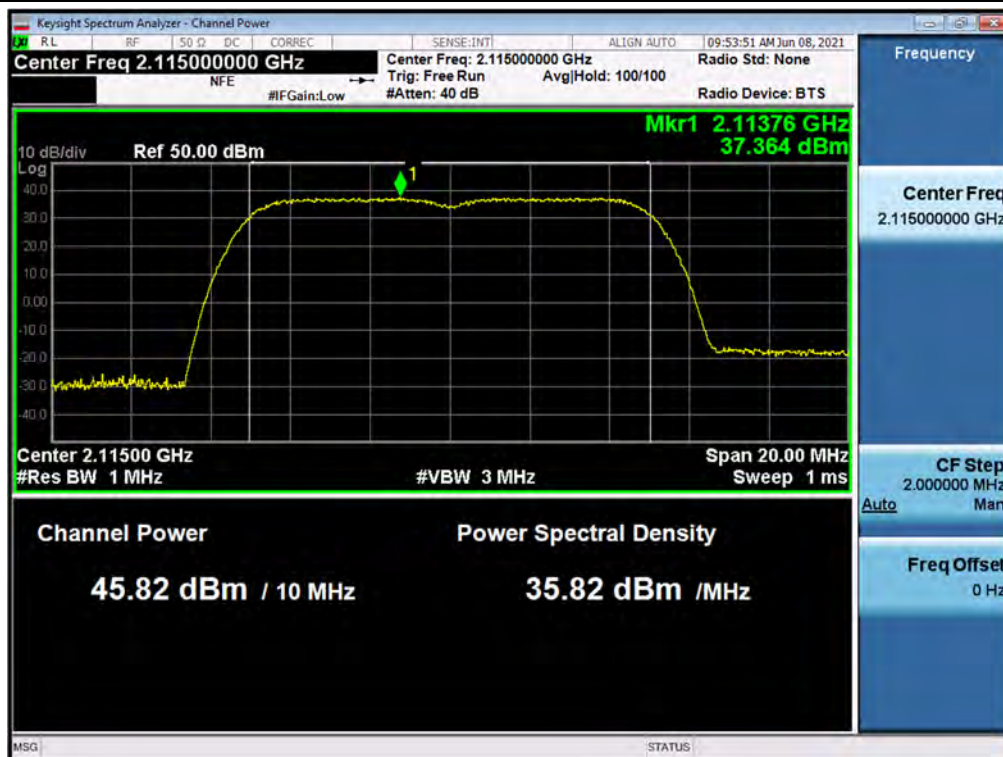
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 64QAM / Low



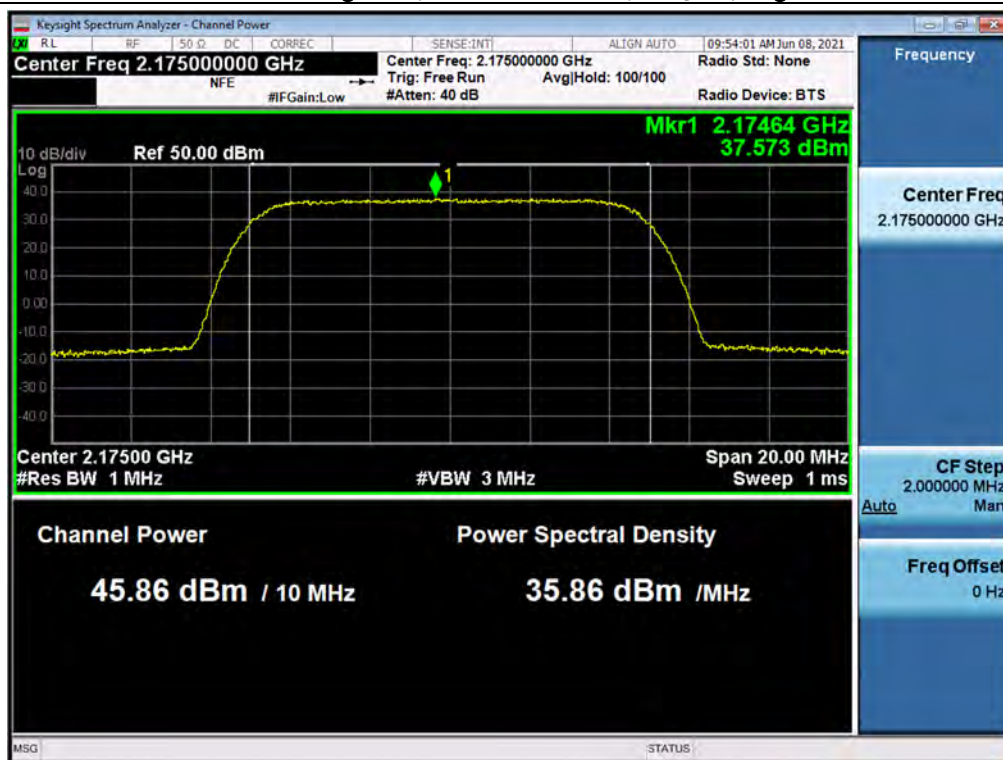
Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 DSS 10 MHz / 64QAM / High



Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 LTE 5 MHz + B66 LTE 5 MHz / 64QAM / Low



Antenna 0 / (2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier] / Non-Contiguous / B66 DSS 10 MHz / 64QAM / High



5.2. PAPR

Test Requirements:

§ 24.232 Power and antenna height limits.

- (d) Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (e) of this section. In both instances, equipment employed must be authorized in accordance with the provisions of § 24.51. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

§ 27.50 Power limits and duty cycle.

- (d) (5) Equipment employed must be authorized in accordance with the provisions of § 24.51. Power measurements for transmissions by stations authorized under this section may be made either in accordance with a Commission-approved average power technique or in compliance with paragraph (d)(6) of this section. In measuring transmissions in this band using an average power technique, the peak-to-average ratio (PAR) of the transmission may not exceed 13 dB.

Test Procedures:

The measurement is performed in accordance with Section 5.2.3.4 of ANSI C63.26.

The following guidelines are offered for performing a CCDF measurement..

- a) Set resolution/measurement bandwidth $\geq$ OBW or specified reference bandwidth.
- b) Set the number of counts to a value that stabilizes the measured CCDF curve.
- c) Set the measurement interval as follows:
 - 1) For continuous transmissions, set to the greater of $[10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ or 1 ms.
 - 2) For burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize. Set the measurement interval to a time that is less than or equal to the burst duration.
 - 3) If there are several carriers in a single antenna port, the peak power shall be determined for each individual carrier (by disabling the other carriers while measuring the required carrier) and the total peak power calculated from the sum of the individual carrier peak powers.
- d) Record the maximum PAPR level associated with a probability of 0.1%.
- e) The peak power level is calculated from the sum of the PAPR value from step d) to the measured average power.

Note: The results of the Conducted output power and PAPR test shown above the frequency measured values are very small and similar trend for each port, so we are attached only the worst case plot.

Tabular data of PAPR

(4 Port) B66 LTE 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	2145.00	7.58
	16QAM	Middle	2145.00	7.56
	64QAM	Middle	2145.00	7.54
	256QAM	Middle	2145.00	7.55

(4 Port) B66 LTE 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	2145.00	7.55
	16QAM	Middle	2145.00	7.55
	64QAM	Middle	2145.00	7.56
	256QAM	Middle	2145.00	7.57

(4 Port) B66 LTE 15 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	2145.00	7.47
	16QAM	Middle	2145.00	7.49
	64QAM	Middle	2145.00	7.50
	256QAM	Middle	2145.00	7.51

(4 Port) B66 LTE 20 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	2145.00	7.58
	16QAM	Middle	2145.00	7.59
	64QAM	Middle	2145.00	7.62
	256QAM	Middle	2145.00	7.59

(2 Port) B66 LTE 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	2145.00	7.58
	16QAM	Middle	2145.00	7.58
	64QAM	Middle	2145.00	7.55
	256QAM	Middle	2145.00	7.56

(2 Port) B66 LTE 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	2145.00	7.55
	16QAM	Middle	2145.00	7.56
	64QAM	Middle	2145.00	7.57
	256QAM	Middle	2145.00	7.56

(2 Port) B66 LTE 15 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	2145.00	7.51
	16QAM	Middle	2145.00	7.54
	64QAM	Middle	2145.00	7.54
	256QAM	Middle	2145.00	7.52

(2 Port) B66 LTE 20 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	2145.00	7.59
	16QAM	Middle	2145.00	7.58
	64QAM	Middle	2145.00	7.62
	256QAM	Middle	2145.00	7.61

(4 Port) B2 LTE 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	1960.00	7.58
	16QAM	Middle	1960.00	7.58
	64QAM	Middle	1960.00	7.58
	256QAM	Middle	1960.00	7.57

(4 Port) B2 LTE 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	1960.00	7.58
	16QAM	Middle	1960.00	7.58
	64QAM	Middle	1960.00	7.58
	256QAM	Middle	1960.00	7.57

(4 Port) B2 LTE 15 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	1960.00	7.54
	16QAM	Middle	1960.00	7.55
	64QAM	Middle	1960.00	7.56
	256QAM	Middle	1960.00	7.56

(4 Port) B2 LTE 20 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	1960.00	7.57
	16QAM	Middle	1960.00	7.59
	64QAM	Middle	1960.00	7.60
	256QAM	Middle	1960.00	7.60

(2 Port) B2 LTE 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	1960.00	7.56
	16QAM	Middle	1960.00	7.54
	64QAM	Middle	1960.00	7.55
	256QAM	Middle	1960.00	7.56

(2 Port) B2 LTE 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	1960.00	7.51
	16QAM	Middle	1960.00	7.54
	64QAM	Middle	1960.00	7.53
	256QAM	Middle	1960.00	7.53

(2 Port) B2 LTE 15 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	1960.00	7.47
	16QAM	Middle	1960.00	7.51
	64QAM	Middle	1960.00	7.50
	256QAM	Middle	1960.00	7.52

(2 Port) B2 LTE 20 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Middle	1960.00	7.52
	16QAM	Middle	1960.00	7.54
	64QAM	Middle	1960.00	7.52
	256QAM	Middle	1960.00	7.55

(4 Port) B2 DSS 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1935.00	7.89
		Middle	1960.00	7.54
		High	1985.00	7.53
	16QAM	Low	1935.00	7.57
		Middle	1960.00	7.54
		High	1985.00	7.54
	64QAM	Low	1935.00	7.55
		Middle	1960.00	7.54
		High	1985.00	7.54
	256QAM	Low	1935.00	7.55
		Middle	1960.00	7.57
		High	1985.00	7.52
1	QPSK	Low	1935.00	7.51
		Middle	1960.00	7.53
		High	1985.00	7.54
	16QAM	Low	1935.00	7.54
		Middle	1960.00	7.53
		High	1985.00	7.53
	64QAM	Low	1935.00	7.56
		Middle	1960.00	7.54
		High	1985.00	7.52
	256QAM	Low	1935.00	7.56
		Middle	1960.00	7.54
		High	1985.00	7.52

2	QPSK	Low	1935.00	7.56
		Middle	1960.00	7.58
		High	1985.00	7.58
	16QAM	Low	1935.00	7.59
		Middle	1960.00	7.57
		High	1985.00	7.56
	64QAM	Low	1935.00	7.58
		Middle	1960.00	7.59
		High	1985.00	7.56
	256QAM	Low	1935.00	7.58
		Middle	1960.00	7.62
		High	1985.00	7.61
3	QPSK	Low	1935.00	7.57
		Middle	1960.00	7.58
		High	1985.00	7.55
	16QAM	Low	1935.00	7.57
		Middle	1960.00	7.58
		High	1985.00	7.56
	64QAM	Low	1935.00	7.56
		Middle	1960.00	7.58
		High	1985.00	7.57
	256QAM	Low	1935.00	7.57
		Middle	1960.00	7.58
		High	1985.00	7.61

(2 Port) B2 DSS 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1935.00	7.49
		Middle	1960.00	7.52
		High	1985.00	7.52
	16QAM	Low	1935.00	7.51
		Middle	1960.00	7.52
		High	1985.00	7.50
	64QAM	Low	1935.00	7.52
		Middle	1960.00	7.53
		High	1985.00	7.51
	256QAM	Low	1935.00	7.53
		Middle	1960.00	7.54
		High	1985.00	7.56
1	QPSK	Low	1935.00	7.50
		Middle	1960.00	7.50
		High	1985.00	7.53
	16QAM	Low	1935.00	7.53
		Middle	1960.00	7.52
		High	1985.00	7.51
	64QAM	Low	1935.00	7.53
		Middle	1960.00	7.52
		High	1985.00	7.53
	256QAM	Low	1935.00	7.55
		Middle	1960.00	7.52
		High	1985.00	7.55

(4 Port) B66 DSS 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2115.00	7.75
		Middle	2145.00	7.57
		High	2175.00	7.57
	16QAM	Low	2115.00	7.71
		Middle	2145.00	7.61
		High	2175.00	7.57
	64QAM	Low	2115.00	7.73
		Middle	2145.00	7.61
		High	2175.00	7.58
	256QAM	Low	2115.00	7.70
		Middle	2145.00	7.60
		High	2175.00	7.57
1	QPSK	Low	2115.00	7.79
		Middle	2145.00	7.56
		High	2175.00	7.55
	16QAM	Low	2115.00	7.73
		Middle	2145.00	7.56
		High	2175.00	7.57
	64QAM	Low	2115.00	7.73
		Middle	2145.00	7.59
		High	2175.00	7.61
	256QAM	Low	2115.00	7.68
		Middle	2145.00	7.58
		High	2175.00	7.61

2	QPSK	Low	2115.00	7.71
		Middle	2145.00	7.52
		High	2175.00	7.54
	16QAM	Low	2115.00	7.71
		Middle	2145.00	7.55
		High	2175.00	7.55
	64QAM	Low	2115.00	7.72
		Middle	2145.00	7.54
		High	2175.00	7.54
	256QAM	Low	2115.00	7.67
		Middle	2145.00	7.58
		High	2175.00	7.58
3	QPSK	Low	2115.00	7.70
		Middle	2145.00	7.53
		High	2175.00	7.54
	16QAM	Low	2115.00	7.68
		Middle	2145.00	7.55
		High	2175.00	7.56
	64QAM	Low	2115.00	7.74
		Middle	2145.00	7.55
		High	2175.00	7.60
	256QAM	Low	2115.00	7.66
		Middle	2145.00	7.57
		High	2175.00	7.56

(2 Port) B66 DSS 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2115.00	7.78
		Middle	2145.00	7.55
		High	2175.00	7.56
	16QAM	Low	2115.00	7.68
		Middle	2145.00	7.61
		High	2175.00	7.57
	64QAM	Low	2115.00	7.70
		Middle	2145.00	7.56
		High	2175.00	7.56
	256QAM	Low	2115.00	7.66
		Middle	2145.00	7.57
		High	2175.00	7.57
1	QPSK	Low	2115.00	7.72
		Middle	2145.00	7.56
		High	2175.00	7.55
	16QAM	Low	2115.00	7.71
		Middle	2145.00	7.57
		High	2175.00	7.58
	64QAM	Low	2115.00	7.73
		Middle	2145.00	7.58
		High	2175.00	7.54
	256QAM	Low	2115.00	7.67
		Middle	2145.00	7.57
		High	2175.00	7.58

Tabular data of Contiguous PAPR

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1937.50	7.86
		Middle	1960.00	8.26
		High	1982.50	7.84
	16QAM	Low	1937.50	7.87
		Middle	1960.00	7.90
		High	1982.50	7.87
	64QAM	Low	1937.50	7.86
		Middle	1960.00	7.88
		High	1982.50	7.82
	256QAM	Low	1937.50	7.86
		Middle	1960.00	7.89
		High	1982.50	7.87
1	QPSK	Low	1937.50	7.85
		Middle	1960.00	7.87
		High	1982.50	7.84
	16QAM	Low	1937.50	7.89
		Middle	1960.00	7.85
		High	1982.50	7.84
	64QAM	Low	1937.50	7.82
		Middle	1960.00	7.86
		High	1982.50	7.84
	256QAM	Low	1937.50	7.84
		Middle	1960.00	7.87
		High	1982.50	7.83

2	QPSK	Low	1937.50	7.85
		Middle	1960.00	7.91
		High	1982.50	7.89
	16QAM	Low	1937.50	7.87
		Middle	1960.00	7.91
		High	1982.50	7.87
	64QAM	Low	1937.50	7.85
		Middle	1960.00	7.89
		High	1982.50	7.87
	256QAM	Low	1937.50	7.88
		Middle	1960.00	7.91
		High	1982.50	7.88
3	QPSK	Low	1937.50	7.86
		Middle	1960.00	7.92
		High	1982.50	7.88
	16QAM	Low	1937.50	7.89
		Middle	1960.00	7.90
		High	1982.50	7.89
	64QAM	Low	1937.50	7.86
		Middle	1960.00	7.88
		High	1982.50	7.88
	256QAM	Low	1937.50	7.86
		Middle	1960.00	7.93
		High	1982.50	7.90

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1940.00	7.87
		Middle	1960.00	7.86
		High	1980.00	7.85
	16QAM	Low	1940.00	7.88
		Middle	1960.00	7.87
		High	1980.00	7.86
	64QAM	Low	1940.00	7.86
		Middle	1960.00	7.87
		High	1980.00	7.85
	256QAM	Low	1940.00	7.83
		Middle	1960.00	7.89
		High	1980.00	7.86
1	QPSK	Low	1940.00	7.85
		Middle	1960.00	7.88
		High	1980.00	7.82
	16QAM	Low	1940.00	7.86
		Middle	1960.00	7.87
		High	1980.00	7.84
	64QAM	Low	1940.00	7.83
		Middle	1960.00	7.88
		High	1980.00	7.84
	256QAM	Low	1940.00	7.83
		Middle	1960.00	7.88
		High	1980.00	7.87

2	QPSK	Low	1940.00	7.91
		Middle	1960.00	7.88
		High	1980.00	7.86
	16QAM	Low	1940.00	7.92
		Middle	1960.00	7.92
		High	1980.00	7.90
	64QAM	Low	1940.00	7.91
		Middle	1960.00	7.90
		High	1980.00	7.87
	256QAM	Low	1940.00	7.89
		Middle	1960.00	7.91
		High	1980.00	7.90
3	QPSK	Low	1940.00	7.90
		Middle	1960.00	7.92
		High	1980.00	7.89
	16QAM	Low	1940.00	7.90
		Middle	1960.00	7.90
		High	1980.00	7.93
	64QAM	Low	1940.00	7.88
		Middle	1960.00	7.90
		High	1980.00	7.87
	256QAM	Low	1940.00	7.90
		Middle	1960.00	7.91
		High	1980.00	7.88

(2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	1937.50	7.82
		Middle	1960.00	7.86
		High	1982.50	7.86
	16QAM	Low	1937.50	7.82
		Middle	1960.00	7.87
		High	1982.50	7.83
	64QAM	Low	1937.50	7.82
		Middle	1960.00	7.89
		High	1982.50	7.81
	256QAM	Low	1937.50	7.86
		Middle	1960.00	7.90
		High	1982.50	7.84
1	QPSK	Low	1937.50	7.83
		Middle	1960.00	7.84
		High	1982.50	7.84
	16QAM	Low	1937.50	7.84
		Middle	1960.00	7.86
		High	1982.50	7.83
	64QAM	Low	1937.50	7.83
		Middle	1960.00	7.84
		High	1982.50	7.80
	256QAM	Low	1937.50	7.84
		Middle	1960.00	7.86
		High	1982.50	7.83

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2117.50	7.95
		Middle	2145.00	7.86
		High	2172.50	7.90
	16QAM	Low	2117.50	7.93
		Middle	2145.00	7.89
		High	2172.50	7.91
	64QAM	Low	2117.50	7.96
		Middle	2145.00	7.91
		High	2172.50	7.94
	256QAM	Low	2117.50	7.96
		Middle	2145.00	7.87
		High	2172.50	7.90
1	QPSK	Low	2117.50	7.97
		Middle	2145.00	7.87
		High	2172.50	7.90
	16QAM	Low	2117.50	7.92
		Middle	2145.00	7.88
		High	2172.50	7.91
	64QAM	Low	2117.50	7.99
		Middle	2145.00	7.88
		High	2172.50	7.91
	256QAM	Low	2117.50	7.98
		Middle	2145.00	7.91
		High	2172.50	7.92

2	QPSK	Low	2117.50	7.95
		Middle	2145.00	7.82
		High	2172.50	7.89
	16QAM	Low	2117.50	7.92
		Middle	2145.00	7.84
		High	2172.50	7.88
	64QAM	Low	2117.50	7.98
		Middle	2145.00	7.87
		High	2172.50	7.92
	256QAM	Low	2117.50	7.97
		Middle	2145.00	7.89
		High	2172.50	7.89
3	QPSK	Low	2117.50	7.96
		Middle	2145.00	7.83
		High	2172.50	7.87
	16QAM	Low	2117.50	8.00
		Middle	2145.00	7.87
		High	2172.50	7.88
	64QAM	Low	2117.50	8.00
		Middle	2145.00	7.86
		High	2172.50	7.90
	256QAM	Low	2117.50	7.96
		Middle	2145.00	7.89
		High	2172.50	7.89

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2125.00	8.00
		Middle	2145.00	7.93
		High	2165.00	7.87
	16QAM	Low	2125.00	8.04
		Middle	2145.00	7.94
		High	2165.00	7.87
	64QAM	Low	2125.00	7.99
		Middle	2145.00	7.91
		High	2165.00	7.87
	256QAM	Low	2125.00	7.97
		Middle	2145.00	7.92
		High	2165.00	7.86
1	QPSK	Low	2125.00	8.00
		Middle	2145.00	7.90
		High	2165.00	7.87
	16QAM	Low	2125.00	8.00
		Middle	2145.00	7.92
		High	2165.00	7.87
	64QAM	Low	2125.00	8.01
		Middle	2145.00	7.91
		High	2165.00	7.86
	256QAM	Low	2125.00	7.99
		Middle	2145.00	7.89
		High	2165.00	7.88

2	QPSK	Low	2125.00	8.00
		Middle	2145.00	7.84
		High	2165.00	7.83
	16QAM	Low	2125.00	7.98
		Middle	2145.00	7.85
		High	2165.00	7.82
	64QAM	Low	2125.00	7.97
		Middle	2145.00	7.84
		High	2165.00	7.83
	256QAM	Low	2125.00	7.98
		Middle	2145.00	7.84
		High	2165.00	7.83
3	QPSK	Low	2125.00	8.00
		Middle	2145.00	7.77
		High	2165.00	7.83
	16QAM	Low	2125.00	7.96
		Middle	2145.00	7.75
		High	2165.00	7.84
	64QAM	Low	2125.00	7.97
		Middle	2145.00	7.83
		High	2165.00	7.83
	256QAM	Low	2125.00	7.99
		Middle	2145.00	7.85
		High	2165.00	7.84

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2117.50	7.99
		Middle	2145.00	7.84
		High	2172.50	7.90
	16QAM	Low	2117.50	7.98
		Middle	2145.00	7.87
		High	2172.50	7.88
	64QAM	Low	2117.50	8.00
		Middle	2145.00	7.89
		High	2172.50	7.93
	256QAM	Low	2117.50	7.91
		Middle	2145.00	7.87
		High	2172.50	7.89
1	QPSK	Low	2117.50	7.98
		Middle	2145.00	7.89
		High	2172.50	7.91
	16QAM	Low	2117.50	8.00
		Middle	2145.00	7.89
		High	2172.50	7.89
	64QAM	Low	2117.50	7.99
		Middle	2145.00	7.92
		High	2172.50	7.90
	256QAM	Low	2117.50	7.97
		Middle	2145.00	7.87
		High	2172.50	7.90

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2120.00	7.97
		Middle	2145.00	8.27
		High	2170.00	7.93
	16QAM	Low	2120.00	7.99
		Middle	2145.00	7.87
		High	2170.00	7.90
	64QAM	Low	2120.00	7.99
		Middle	2145.00	7.89
		High	2170.00	7.91
	256QAM	Low	2120.00	7.97
		Middle	2145.00	7.87
		High	2170.00	7.92
1	QPSK	Low	2120.00	7.95
		Middle	2145.00	7.90
		High	2170.00	7.92
	16QAM	Low	2120.00	7.97
		Middle	2145.00	7.89
		High	2170.00	7.90
	64QAM	Low	2120.00	8.00
		Middle	2145.00	7.90
		High	2170.00	7.92
	256QAM	Low	2120.00	7.95
		Middle	2145.00	7.93
		High	2170.00	7.93

2	QPSK	Low	2120.00	7.97
		Middle	2145.00	7.86
		High	2170.00	7.87
	16QAM	Low	2120.00	7.97
		Middle	2145.00	7.87
		High	2170.00	7.91
	64QAM	Low	2120.00	8.03
		Middle	2145.00	7.89
		High	2170.00	7.90
	256QAM	Low	2120.00	7.98
		Middle	2145.00	7.85
		High	2170.00	7.92
3	QPSK	Low	2120.00	7.97
		Middle	2145.00	7.87
		High	2170.00	7.90
	16QAM	Low	2120.00	7.96
		Middle	2145.00	7.86
		High	2170.00	7.91
	64QAM	Low	2120.00	7.96
		Middle	2145.00	7.90
		High	2170.00	7.90
	256QAM	Low	2120.00	8.03
		Middle	2145.00	7.89
		High	2170.00	7.90

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2125.00	7.96
		Middle	2145.00	7.91
		High	2165.00	7.87
	16QAM	Low	2125.00	8.00
		Middle	2145.00	7.93
		High	2165.00	7.86
	64QAM	Low	2125.00	7.97
		Middle	2145.00	7.92
		High	2165.00	7.87
	256QAM	Low	2125.00	7.96
		Middle	2145.00	7.93
		High	2165.00	7.88
1	QPSK	Low	2125.00	7.99
		Middle	2145.00	7.88
		High	2165.00	7.84
	16QAM	Low	2125.00	7.99
		Middle	2145.00	7.90
		High	2165.00	7.88
	64QAM	Low	2125.00	7.98
		Middle	2145.00	7.91
		High	2165.00	7.87
	256QAM	Low	2125.00	8.02
		Middle	2145.00	7.90
		High	2165.00	7.89

2	QPSK	Low	2125.00	7.96
		Middle	2145.00	7.84
		High	2165.00	7.86
	16QAM	Low	2125.00	7.95
		Middle	2145.00	7.85
		High	2165.00	7.87
	64QAM	Low	2125.00	7.99
		Middle	2145.00	7.86
		High	2165.00	7.87
	256QAM	Low	2125.00	7.96
		Middle	2145.00	7.87
		High	2165.00	7.90
3	QPSK	Low	2125.00	7.96
		Middle	2145.00	7.84
		High	2165.00	7.85
	16QAM	Low	2125.00	7.95
		Middle	2145.00	7.85
		High	2165.00	7.86
	64QAM	Low	2125.00	8.02
		Middle	2145.00	7.87
		High	2165.00	7.85
	256QAM	Low	2125.00	7.94
		Middle	2145.00	7.85
		High	2165.00	7.86

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	2120.00	7.96
		Middle	2145.00	7.86
		High	2170.00	7.91
	16QAM	Low	2120.00	7.94
		Middle	2145.00	7.86
		High	2170.00	7.91
	64QAM	Low	2120.00	7.96
		Middle	2145.00	7.89
		High	2170.00	7.91
	256QAM	Low	2120.00	7.95
		Middle	2145.00	7.84
		High	2170.00	7.90
1	QPSK	Low	2120.00	7.98
		Middle	2145.00	7.90
		High	2170.00	7.90
	16QAM	Low	2120.00	7.96
		Middle	2145.00	7.87
		High	2170.00	7.90
	64QAM	Low	2120.00	8.02
		Middle	2145.00	7.89
		High	2170.00	7.92
	256QAM	Low	2120.00	8.02
		Middle	2145.00	7.92
		High	2170.00	7.93

Tabular data of Non-Contiguous PAPR

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B2 DSS 10 MHz		B2 LTE 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1935.00	8.09	1987.50	8.29
	16QAM	1935.00	7.99	1987.50	8.38
	64QAM	1935.00	8.02	1987.50	8.15
	256QAM	1935.00	8.09	1987.50	8.25
1	QPSK	1935.00	8.13	1987.50	8.35
	16QAM	1935.00	8.04	1987.50	8.39
	64QAM	1935.00	8.04	1987.50	8.17
	256QAM	1935.00	8.02	1987.50	8.23
2	QPSK	1935.00	8.06	1987.50	8.39
	16QAM	1935.00	7.96	1987.50	8.23
	64QAM	1935.00	8.04	1987.50	8.24
	256QAM	1935.00	8.03	1987.50	8.30
3	QPSK	1935.00	8.07	1987.50	8.26
	16QAM	1935.00	8.04	1987.50	8.24
	64QAM	1935.00	7.99	1987.50	8.22
	256QAM	1935.00	7.96	1987.50	8.25

(4 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B2 DSS 10 MHz		B2 LTE 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1935.00	8.22	1985.00	8.18
	16QAM	1935.00	8.20	1985.00	8.13
	64QAM	1935.00	8.23	1985.00	8.12
	256QAM	1935.00	8.17	1985.00	8.18
1	QPSK	1935.00	8.33	1985.00	8.11
	16QAM	1935.00	8.18	1985.00	8.09
	64QAM	1935.00	8.19	1985.00	8.09
	256QAM	1935.00	8.20	1985.00	8.15
2	QPSK	1935.00	8.25	1985.00	8.24
	16QAM	1935.00	8.17	1985.00	8.18
	64QAM	1935.00	8.18	1985.00	8.16
	256QAM	1935.00	8.16	1985.00	8.16
3	QPSK	1935.00	8.27	1985.00	8.16
	16QAM	1935.00	8.27	1985.00	8.16
	64QAM	1935.00	8.16	1985.00	8.11
	256QAM	1935.00	8.16	1985.00	8.22

(2 Port) B2 DSS 10 MHz 1 Carrier + B2 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B2 DSS 10 MHz		B2 LTE 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	1935.00	8.10	1987.50	8.29
	16QAM	1935.00	7.98	1987.50	8.44
	64QAM	1935.00	8.03	1987.50	8.22
	256QAM	1935.00	8.08	1987.50	8.22
1	QPSK	1935.00	8.05	1987.50	8.33
	16QAM	1935.00	7.98	1987.50	8.23
	64QAM	1935.00	8.01	1987.50	8.17
	256QAM	1935.00	8.03	1987.50	8.14

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B66 DSS 10 MHz		B66 LTE 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2112.50	8.32	2175.00	8.06
	16QAM	2112.50	8.12	2175.00	8.03
	64QAM	2112.50	8.26	2175.00	8.08
	256QAM	2112.50	8.16	2175.00	8.17
1	QPSK	2112.50	8.33	2175.00	8.11
	16QAM	2112.50	8.14	2175.00	8.00
	64QAM	2112.50	8.30	2175.00	8.06
	256QAM	2112.50	8.24	2175.00	8.12
2	QPSK	2112.50	8.29	2175.00	8.04
	16QAM	2112.50	8.10	2175.00	7.96
	64QAM	2112.50	8.33	2175.00	7.97
	256QAM	2112.50	8.24	2175.00	7.94
3	QPSK	2112.50	8.25	2175.00	8.08
	16QAM	2112.50	8.06	2175.00	7.94
	64QAM	2112.50	8.31	2175.00	7.99
	256QAM	2112.50	8.20	2175.00	8.02

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B66 DSS 10 MHz		B66 LTE 20 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2120.00	8.08	2175.00	8.44
	16QAM	2120.00	8.00	2175.00	8.30
	64QAM	2120.00	7.95	2175.00	8.29
	256QAM	2120.00	8.08	2175.00	8.28
1	QPSK	2120.00	8.03	2175.00	8.37
	16QAM	2120.00	8.07	2175.00	8.31
	64QAM	2120.00	7.99	2175.00	8.21
	256QAM	2120.00	8.06	2175.00	8.25
2	QPSK	2120.00	8.02	2175.00	8.36
	16QAM	2120.00	8.06	2175.00	8.29
	64QAM	2120.00	7.99	2175.00	8.31
	256QAM	2120.00	8.05	2175.00	8.33
3	QPSK	2120.00	8.03	2175.00	8.35
	16QAM	2120.00	8.05	2175.00	8.21
	64QAM	2120.00	8.06	2175.00	8.21
	256QAM	2120.00	8.08	2175.00	8.33

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	B66 DSS 10 MHz		B66 LTE 5 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2112.50	8.16	2175.00	8.08
	16QAM	2112.50	8.18	2175.00	8.05
	64QAM	2112.50	8.28	2175.00	8.00
	256QAM	2112.50	8.19	2175.00	8.02
1	QPSK	2112.50	8.28	2175.00	8.04
	16QAM	2112.50	8.09	2175.00	8.08
	64QAM	2112.50	8.21	2175.00	8.06
	256QAM	2112.50	8.23	2175.00	8.03

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Modulation	B66 LTE 5 MHz		B66 LTE 5 MHz + B66 DSS 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2112.50	8.30	2172.50	7.96
	16QAM	2112.50	8.15	2172.50	7.95
	64QAM	2112.50	8.38	2172.50	7.91
	256QAM	2112.50	8.27	2172.50	7.95
1	QPSK	2112.50	8.33	2172.50	7.95
	16QAM	2112.50	8.23	2172.50	7.93
	64QAM	2112.50	8.33	2172.50	7.93
	256QAM	2112.50	8.24	2172.50	7.93
2	QPSK	2112.50	8.35	2172.50	7.89
	16QAM	2112.50	8.20	2172.50	7.88
	64QAM	2112.50	8.32	2172.50	7.88
	256QAM	2112.50	8.25	2172.50	7.92
3	QPSK	2112.50	8.35	2172.50	7.90
	16QAM	2112.50	8.16	2172.50	7.83
	64QAM	2112.50	8.37	2172.50	7.90
	256QAM	2112.50	8.21	2172.50	7.89

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

Ant.	Modulation	B66 LTE 5 MHz + B66 LTE 5 MHz		B66 DSS 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2115.00	8.15	2175.00	8.33
	16QAM	2115.00	8.11	2175.00	8.27
	64QAM	2115.00	8.14	2175.00	8.08
	256QAM	2115.00	8.13	2175.00	8.29
1	QPSK	2115.00	8.19	2175.00	8.23
	16QAM	2115.00	8.16	2175.00	8.34
	64QAM	2115.00	8.10	2175.00	8.19
	256QAM	2115.00	8.12	2175.00	8.20
2	QPSK	2115.00	8.17	2175.00	8.22
	16QAM	2115.00	8.15	2175.00	8.15
	64QAM	2115.00	8.15	2175.00	8.19
	256QAM	2115.00	8.17	2175.00	8.23
3	QPSK	2115.00	8.16	2175.00	8.23
	16QAM	2115.00	8.21	2175.00	8.29
	64QAM	2115.00	8.18	2175.00	8.21
	256QAM	2115.00	8.18	2175.00	8.30

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Modulation	B66 LTE 5 MHz		B66 LTE 15 MHz + B66 DSS 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2112.50	8.23	2167.50	7.86
	16QAM	2112.50	8.24	2167.50	7.89
	64QAM	2112.50	8.30	2167.50	7.85
	256QAM	2112.50	8.18	2167.50	7.85
1	QPSK	2112.50	8.32	2167.50	7.88
	16QAM	2112.50	8.23	2167.50	7.84
	64QAM	2112.50	8.28	2167.50	7.83
	256QAM	2112.50	8.23	2167.50	7.80
2	QPSK	2112.50	8.39	2167.50	7.80
	16QAM	2112.50	8.34	2167.50	7.82
	64QAM	2112.50	8.27	2167.50	7.82
	256QAM	2112.50	8.24	2167.50	7.79
3	QPSK	2112.50	8.28	2167.50	7.82
	16QAM	2112.50	8.24	2167.50	7.83
	64QAM	2112.50	8.28	2167.50	7.84
	256QAM	2112.50	8.27	2167.50	7.80

(4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 15 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

Ant.	Modulation	B66 LTE 5 MHz + B66 LTE 15 MHz		B66 DSS 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2120.00	8.03	2175.00	8.42
	16QAM	2120.00	8.06	2175.00	8.31
	64QAM	2120.00	8.07	2175.00	8.24
	256QAM	2120.00	8.09	2175.00	8.24
1	QPSK	2120.00	8.09	2175.00	8.34
	16QAM	2120.00	8.06	2175.00	8.28
	64QAM	2120.00	8.01	2175.00	8.24
	256QAM	2120.00	8.09	2175.00	8.30
2	QPSK	2120.00	8.10	2175.00	8.32
	16QAM	2120.00	8.09	2175.00	8.35
	64QAM	2120.00	8.02	2175.00	8.24
	256QAM	2120.00	8.13	2175.00	8.23
3	QPSK	2120.00	8.06	2175.00	8.40
	16QAM	2120.00	8.02	2175.00	8.29
	64QAM	2120.00	8.03	2175.00	8.16
	256QAM	2120.00	8.01	2175.00	8.25

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (1C+2C) [3 Carrier]

Ant.	Modulation	B66 LTE 5 MHz		B66 LTE 5 MHz + B66 DSS 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2112.50	8.35	2172.50	7.96
	16QAM	2112.50	8.16	2172.50	7.91
	64QAM	2112.50	8.37	2172.50	7.93
	256QAM	2112.50	8.23	2172.50	7.97
1	QPSK	2112.50	8.31	2172.50	7.94
	16QAM	2112.50	8.14	2172.50	7.89
	64QAM	2112.50	8.39	2172.50	7.89
	256QAM	2112.50	8.30	2172.50	7.95

(2 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier (2C+1C) [3 Carrier]

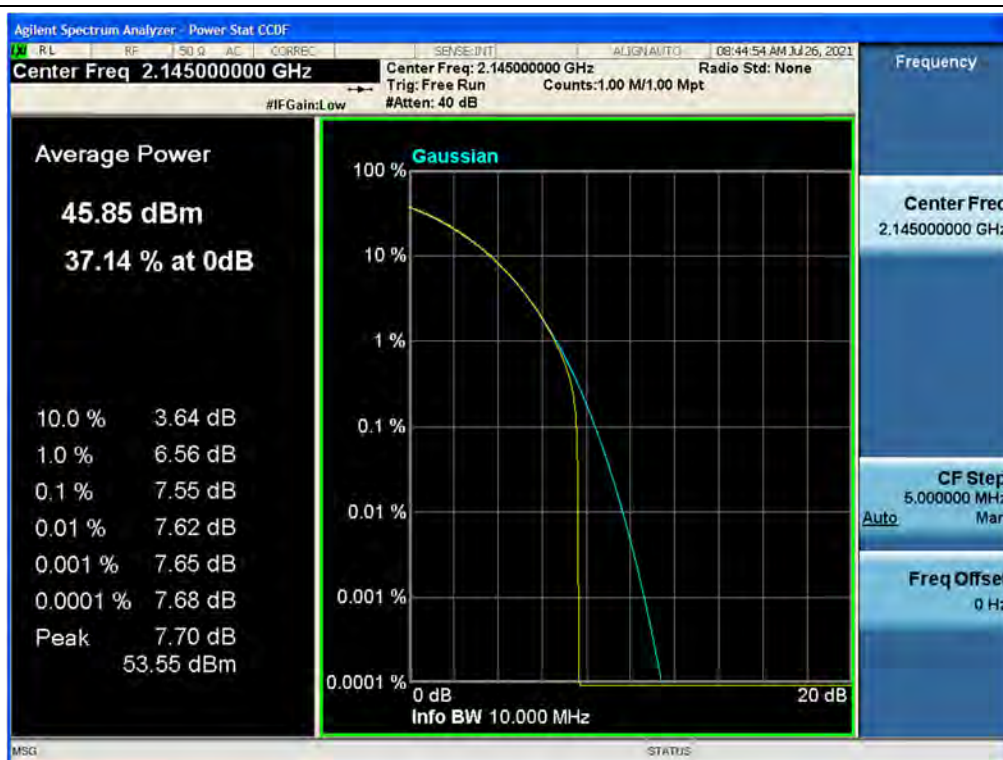
Ant.	Modulation	B66 LTE 5 MHz + B66 LTE 5 MHz		B66 DSS 10 MHz	
		Frequency (MHz)	Measured Value (dB)	Frequency (MHz)	Measured Value (dB)
0	QPSK	2115.00	8.21	2175.00	8.25
	16QAM	2115.00	8.19	2175.00	8.26
	64QAM	2115.00	8.16	2175.00	8.10
	256QAM	2115.00	8.14	2175.00	8.27
1	QPSK	2115.00	8.13	2175.00	8.20
	16QAM	2115.00	8.23	2175.00	8.27
	64QAM	2115.00	8.14	2175.00	8.17
	256QAM	2115.00	8.16	2175.00	8.25

Plot Data of PAPR

Antenna 0 / (4 Port) B66 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 10 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 15 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B66 LTE 20 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (2 Port) B66 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (2 Port) B66 LTE 10 MHz 1 Carrier / 256QAM / Middle



Antenna 0 / (2 Port) B66 LTE 15 MHz 1 Carrier / QPSK / Middle



Antenna 0 / (2 Port) B66 LTE 20 MHz 1 Carrier / 256QAM / Middle



Antenna 0 / (4 Port) B2 LTE 5 MHz 1 Carrier / 16QAM / Middle



Antenna 0 / (4 Port) B2 LTE 10 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (4 Port) B2 LTE 15 MHz 1 Carrier / 256QAM / Middle



Antenna 0 / (4 Port) B2 LTE 20 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (2 Port) B2 LTE 5 MHz 1 Carrier / 64QAM / Middle



Antenna 0 / (2 Port) B2 LTE 10 MHz 1 Carrier / QPSK / Middle



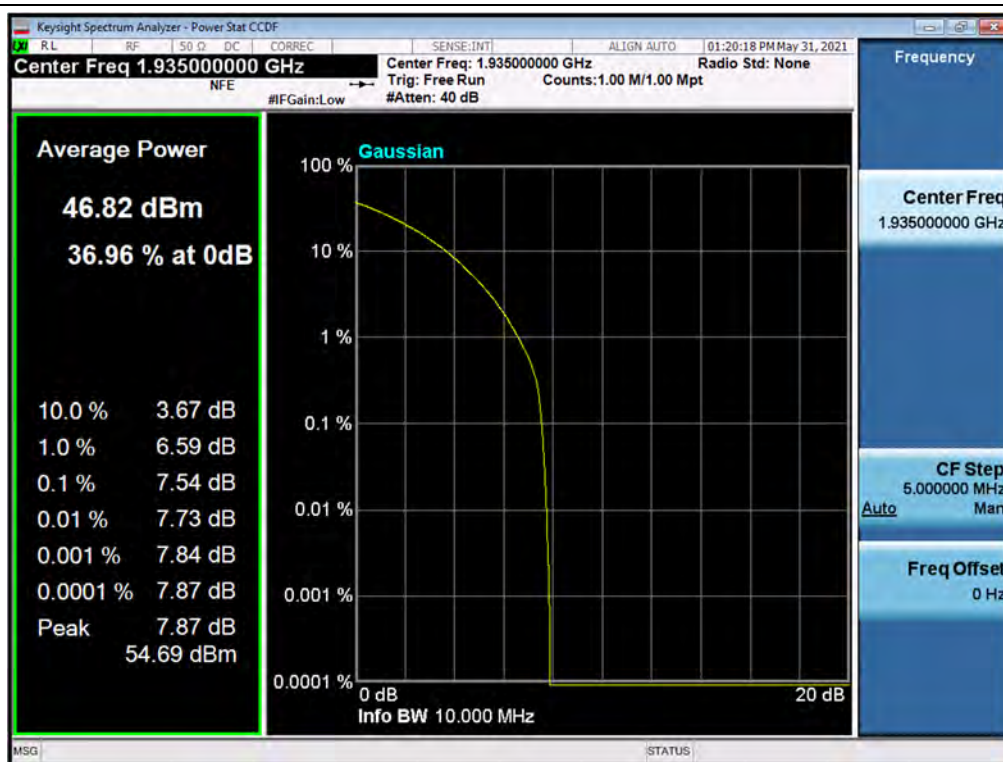
Antenna 0 / (2 Port) B2 LTE 15 MHz 1 Carrier / 64QAM / Middle



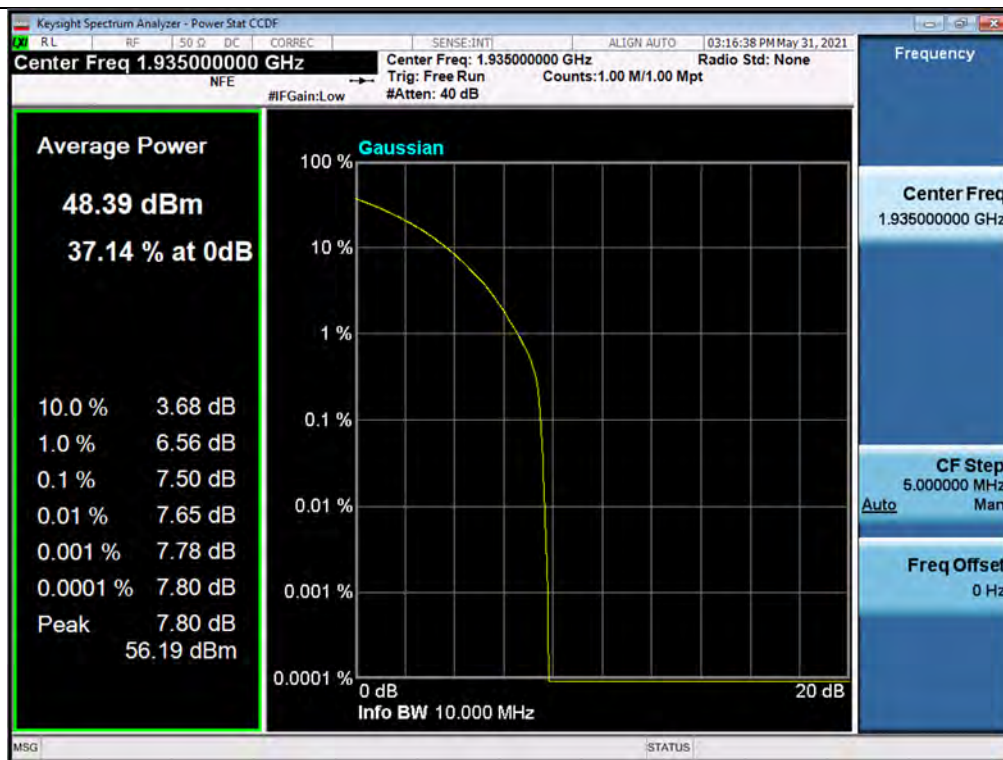
Antenna 0 / (2 Port) B2 LTE 20 MHz 1 Carrier / 64QAM / Middle



Antenna 1 / (4 Port) B2 DSS 10 MHz 1 Carrier / 16QAM / Low



Antenna 1 / (2 Port) B2 DSS 10 MHz 1 Carrier / QPSK / Low



Antenna 3 / (4 Port) B66 DSS 10 MHz 1 Carrier / 16QAM / Middle



Antenna 1 / (2 Port) B66 DSS 10 MHz 1 Carrier / 64QAM / Middle

