TEST REPORT

FCC Test for RF4436d-25A

Certification

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2107-FC050

DATE OF ISSUE
September 17, 2021

Tested by
Kwang Il Yoon

Technical Manager
Jong Seok Lee

HCT CO., LTD.
BongJai Huh
BongJai Huh / CEO

HCT Co., Ltd.

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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(RF4436d)
Model Name	RF4436d-25A
FCC ID	A3LRF4436D-25A
Date of Test	June 15, 2021 ~ August 06, 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	September 17, 2021	Initial Release

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

CONTENTS

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(RF4436d)			
EUT Serial Number	S525215083			
Power Supply	-48 VDC			
Output Power	Band	Carrier	Bandwidth	Power
	B25 LTE	1	5 MHz	10 W/path, Total: 40 W
	B25 LTE	1	10 MHz	20 W/path, Total: 80 W
	B25 LTE	1	15 MHz	30 W/path, Total: 120 W
	B25 LTE	1	20 MHz	40 W/path, Total: 160 W
	B66 LTE	1	5 MHz	10 W/path, Total: 40 W
	B66 LTE	1	10 MHz	20 W/path, Total: 80 W
	B66 LTE	1	15 MHz	30 W/path, Total: 120 W
	B66 LTE	1	20 MHz	40 W/path, Total: 160 W
	B25 LTE + B25 LTE	2	5 MHz + 20 MHz	50 W/path, Total: 200 W
	B25 LTE + B25 LTE	2	10 MHz +20 MHz	60 W/path, Total: 240 W
	B25 LTE&NB-IoT + B25 LTE	2	10 MHz +20 MHz	60 W/path, Total: 240 W
	B25 LTE&NB-IoT + B25 LTE	2	20 MHz +10 MHz	60 W/path, Total: 240 W
	B25 LTE&NB-IoT + B25 LTE&NB-IoT	2	10 MHz +20 MHz	60 W/path, Total: 240 W
	B25 LTE + B25 LTE	2	15 MHz + 20 MHz	60 W/path, Total: 240 W
	B25 LTE + B25 LTE	2	20 MHz + 20 MHz	60 W/path, Total: 240 W
	B25 LTE&NB-IoT + B25 LTE	2	20 MHz + 20 MHz	60 W/path, Total: 240 W
	B25 LTE&NB-IoT + B25 LTE&NB-IoT	2	20 MHz + 20 MHz	60 W/path, Total: 240 W
	B66 LTE + B66 LTE	2	5 MHz + 10 MHz	30 W/path, Total: 160 W
	B66 LTE + B66 LTE&NB-IoT	2	5 MHz + 10 MHz	40 W/path, Total: 160 W
	B66 LTE + B66 LTE	2	5 MHz + 20 MHz	40 W/path, Total: 160 W
	B66 LTE + B66 LTE&NB-IoT	2	5 MHz + 20 MHz	40 W/path, Total: 160 W
	B66 LTE + B66 LTE	2	10 MHz + 10 MHz	40 W/path, Total: 160 W
	B66 LTE&NB-IoT + B66 LTE	2	10 MHz + 10 MHz	40 W/path, Total: 160 W
	B66 LTE&NB-IoT + B66 LTE&NB-IoT	2	10 MHz + 10 MHz	40 W/path, Total: 160 W
	B25 LTE + B25 LTE + B25 LTE	3	5 MHz + 5 MHz + 20 MHz	60 W/path, Total: 240 W
	B25 LTE + B25 LTE + B25 LTE&NB-IoT	3	5 MHz + 5 MHz + 20 MHz	60 W/path, Total: 240 W
	B25 LTE + B25 LTE + B25 LTE	3	5 MHz + 20 MHz + 20 MHz	60 W/path, Total: 240 W

Mode	Paths	Bandwidth	Power
B25 LTE + B25 LTE + B25 LTE&NB-IoT	3	5 MHz + 20 MHz + 20 MHz	60 W/path, Total: 240 W
B25 LTE + B66 LTE	2	5 MHz + 5 MHz	20 W/path, Total: 80 W
B25 LTE + B66 LTE	2	10 MHz + 5 MHz	30 W/path, Total: 120 W
B25 LTE + B66 LTE	2	15 MHz + 5 MHz	40 W/path, Total: 160 W
B25 LTE + B66 LTE	2	20 MHz + 5 MHz	50 W/path, Total: 200 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE	4	5 MHz + 15 MHz + 5 MHz + 5 MHz	60 W/path, Total: 240 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE	4	5 MHz + 20 MHz + 5 MHz + 5 MHz	70 W/path, Total: 280 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE	4	5 MHz + 20 MHz + 5 MHz + 10 MHz	80 W/path, Total: 320 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE + B66 LTE	5	5 MHz + 20 MHz + 5 MHz + 5 MHz + 10 MHz	100 W/path, Total: 400 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE + B66 LTE	5	5 MHz + 20 MHz + 5 MHz + 5 MHz + 20 MHz	100 W/path, Total: 400 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE + B66 LTE	5	5 MHz + 20 MHz + 5 MHz + 10 MHz + 10 MHz	100 W/path, Total: 400 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE + B66 LTE	5	5 MHz + 20 MHz + 20 MHz + 5 MHz + 10 MHz	100 W/path, Total: 400 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE + B66 LTE	5	5 MHz + 20 MHz + 20 MHz + 5 MHz + 20 MHz	100 W/path, Total: 400 W
B25 LTE + B25 LTE + B25 LTE + B66 LTE + B66 LTE	5	5 MHz + 20 MHz + 20 MHz + 10 MHz + 10 MHz	100 W/path, Total: 400 W

Frequency Range	Band 25 : 1 930 MHz ~ 1 995 MHz Band 66 : 2 110 MHz ~ 2 180 MHz

			Emission Designator			
	Mode	Bandwidth	QPSK (G7D)	Conducted (W)	16/64/256 QAM (W7D)	Conducted (W)
Emission Designator	B25 LTE	5 MHz	4M51G7D	41.96	4M51W7D	42.50
	B25 LTE	10 MHz	9M02G7D	83.62	9M04W7D	83.15
	B25 LTE	15 MHz	13M5G7D	124.71	13M5W7D	125.10
	B25 LTE	20 MHz	18M0G7D	162.83	18M0W7D	163.17
	B66 LTE	5 MHz	4M52G7D	39.52	4M52W7D	38.80
	B66 LTE	10 MHz	9M05G7D	75.87	9M07W7D	74.90
	B66 LTE	15 MHz	13M5G7D	112.88	13M6W7D	113.00
	B66 LTE	20 MHz	18M0G7D	150.94	18M1W7D	151.56
	B25 LTE + B25 LTE (Contiguous)	5 MHz + 20 MHz	23M7G7D	199.96	23M7W7D	201.01
	B25 LTE + B25 LTE (Contiguous)	10 MHz +20 MHz	28M4G7D	236.82	28M5W7D	237.58
	B25 LTE&NB-IoT + B25 LTE (Contiguous)	10 MHz +20 MHz	29M1G7D	226.68	29M2W7D	229.79
	B25 LTE&NB-IoT + B25 LTE (Contiguous)	20 MHz +10 MHz	29M5G7D	224.25	29M5W7D	223.84

B25 LTE&NB-IoT + B25 LTE&NB-IoT (Contiguous)	10 MHz +20 MHz	30M0G7D	225.90	30M0W7D	226.48
B25 LTE + B25 LTE (Contiguous)	15 MHz + 20 MHz	33M1G7D	238.22	33M2W7D	239.34
B25 LTE + B25 LTE (Contiguous)	20 MHz + 20 MHz	37M9G7D	238.57	38M0W7D	240.40
B25 LTE&NB-IoT + B25 LTE (Contiguous)	20 MHz + 20 MHz	39M0G7D	223.58	39M0W7D	224.16
B25 LTE&NB-IoT + B25 LTE&NB-IoT (Contiguous)	20 MHz + 20 MHz	40M0G7D	222.26	40M0W7D	222.91
B66 LTE + B66 LTE (Contiguous)	5 MHz + 10 MHz	14M2G7D	110.85	14M3W7D	112.80
B66 LTE + B66 LTE&NB-IoT (Contiguous)	5 MHz + 10 MHz	14M8G7D	109.47	14M8W7D	111.14
B66 LTE + B66 LTE (Contiguous)	5 MHz + 20 MHz	23M7G7D	147.43	23M8W7D	149.34
B66 LTE + B66 LTE&NB-IoT (Contiguous)	5 MHz + 20 MHz	24M7G7D	146.19	24M7W7D	145.03
B66 LTE + B66 LTE (Contiguous)	10 MHz + 10 MHz	19M0G7D	149.13	19M0W7D	148.86
B66 LTE&NB-IoT + B66 LTE (Contiguous)	10 MHz + 10 MHz	19M6G7D	147.84	19M6W7D	148.24
B66 LTE&NB-IoT + B66 LTE&NB-IoT (Contiguous)	10 MHz + 10 MHz	20M2G7D	142.38	20M2W7D	144.00
B25 LTE + B25 LTE + B25 LTE (Contiguous)	5 MHz + 5 MHz + 20 MHz	28M7G7D	253.94	28M7W7D	254.80
B25 LTE + B25 LTE + B25 LTE&NB-IoT (Contiguous)	5 MHz + 5 MHz + 20 MHz	29M5G7D	228.39	29M5W7D	227.77
B25 LTE + B25 LTE + B25 LTE (Contiguous)	5 MHz + 20 MHz + 20 MHz	43M6G7D	229.98	43M7W7D	232.45
B25 LTE + B25 LTE + B25 LTE&NB-IoT (Contiguous)	5 MHz + 20 MHz + 20 MHz	44M6G7D	224.67	44M6W7D	225.16
B25 LTE + B25 LTE (Non-Contiguous)	5 MHz + 20 MHz	22M4G7D	192.85	22M5W7D	193.22
B25 LTE + B25 LTE (Non-Contiguous)	10 MHz +20 MHz	27M0G7D	224.27	27M0W7D	225.35
B25 LTE&NB-IoT + B25 LTE (Non-Contiguous)	10 MHz +20 MHz	27M4G7D	224.27	27M5W7D	225.35
B25 LTE&NB-IoT + B25 LTE (Non-Contiguous)	20 MHz +10 MHz	27M9G7D	227.79	27M9W7D	228.91
B25 LTE&NB-IoT + B25 LTE&NB-IoT (Non-Contiguous)	10 MHz +20 MHz	28M1G7D	221.02	28M1W7D	220.01
B25 LTE + B25 LTE (Non-Contiguous)	15 MHz + 20 MHz	31M4G7D	229.13	31M5W7D	231.47
B25 LTE + B25 LTE	20 MHz + 20	35M9G7D	229.19	36M0W7D	231.99

(Non-Contiguous)	MHz				
B25 LTE&NB-IoT + B25 LTE (Non-Contiguous)	20 MHz + 20 MHz	36M8G7D	226.46	36M9W7D	226.38
B25 LTE&NB-IoT + B25 LTE&NB-IoT (Non-Contiguous)	20 MHz + 20 MHz	27M6G7D	218.02	27M6W7D	219.86
B66 LTE + B66 LTE (Non-Contiguous)	5 MHz + 10 MHz	13M6G7D	104.82	13M5W7D	105.86
B66 LTE + B66 LTE&NB-IoT (Non-Contiguous)	5 MHz + 10 MHz	14M0G7D	103.87	14M0W7D	105.70
B66 LTE + B66 LTE (Non-Contiguous)	5 MHz + 20 MHz	22M5G7D	148.10	22M5W7D	148.53
B66 LTE + B66 LTE&NB-IoT (Non-Contiguous)	5 MHz + 20 MHz	23M2G7D	141.27	23M2W7D	143.63
B66 LTE + B66 LTE (Non-Contiguous)	10 MHz + 10 MHz	18M0G7D	138.88	18M0W7D	142.85
B66 LTE&NB-IoT + B66 LTE (Non-Contiguous)	10 MHz + 10 MHz	18M5G7D	139.66	18M5W7D	140.25
B66 LTE&NB-IoT + B66 LTE&NB-IoT (Non-Contiguous)	10 MHz + 10 MHz	18M9G7D	133.89	19M0W7D	134.94
B25 LTE + B25 LTE + B25 LTE (1C+2C) (Non-Contiguous)	5 MHz + 5 MHz + 20 MHz	28M2G7D	227.04	28M2W7D	228.55
B25 LTE + B25 LTE + B25 LTE (2C+1C) (Non-Contiguous)	5 MHz + 5 MHz + 20 MHz	28M2G7D	228.82	28M2W7D	230.05
B25 LTE + B25 LTE + B25 LTE&NB-IoT(1C+2C) (Non-Contiguous)	5 MHz + 5 MHz + 20 MHz	29M0G7D	221.39	29M0W7D	223.97
B25 LTE + B25 LTE + B25 LTE&NB-IoT(2C+1C) (Non-Contiguous)	5 MHz + 5 MHz + 20 MHz	28M2G7D	220.96	28M2W7D	221.67
B25 LTE + B25 LTE + B25 LTE (1C+2C) (Non-Contiguous)	5 MHz + 20 MHz + 20 MHz	42M3G7D	228.03	42M4W7D	231.60
B25 LTE + B25 LTE + B25 LTE (2C+1C) (Non-Contiguous)	5 MHz + 20 MHz + 20 MHz	41M7G7D	228.99	41M7W7D	230.86
B25 LTE + B25 LTE + B25 LTE&NB-IoT(1C+2C) (Non-Contiguous)	5 MHz + 20 MHz + 20 MHz	43M3G7D	217.07	43M3W7D	216.97
B25 LTE + B25 LTE + B25 LTE&NB-IoT(2C+1C) (Non-Contiguous)	5 MHz + 20 MHz + 20 MHz	42M3G7D	218.11	42M4W7D	219.43
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
PAPR	§24.232(d), §27.50(d)(5)	Compliant
Occupied Bandwidth	§2.1049	Compliant
Out-of-band Unwanted Emissions	§2.1051, §24.238, §27.53(h)	Compliant
Spurious Unwanted Emissions	§2.1051, §24.238, §27.53(h)	Compliant
Radiated Emissions	§2.1053, §24.238, §27.53(h)	Compliant
Frequency Stability	§2.1055, §24.235, §27.54	Compliant

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 modulation types (QPSK, 16QAM, 64QAM, 256QAM) have been tested.

- The dummy loads were connected to the RF output ports for radiated spurious emission testing.

- 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	30.158	4000	30.850
600	29.882	5000	31.737
700	29.949	6000	31.400
800	29.969	7000	31.655
900	30.250	8000	32.010
1000	30.322	9000	31.397
1100	30.359	10000	31.030
1200	30.403	11000	32.348
1300	30.406	12000	32.230
1400	30.411	13000	32.531
1500	30.433	14000	32.746
1600	30.613	15000	33.236
1700	30.712	16000	33.535
1800	30.898	17000	34.377
1900	30.917	18000	37.608
2000	30.984	19000	36.952
2100	31.027	20000	37.474
2200	30.743	21000	37.541
2300	30.554	22000	38.580
2400	30.580	23000	38.215
2500	30.463	24000	37.752
2600	30.380	25000	37.891
2700	30.274	26000	43.198
2800	30.713	-	-
2900	30.802	-	-
3000	31.095	-	-

3.3. MAXIMUM MEASUREMENTUNCERTAINTY

Description	Condition	Uncertainty
Radiated Disturbance	9 kHz ~ 30 MHz	± 3.40 dB
	30 MHz ~ 1 GHz	± 4.80 dB
	1 GHz ~ 18 GHz	± 5.70 dB
	18 GHz ~ 40 GHz	± 5.05 dB

Coverage factor k = 2, Confidence levels of 95 %

3.4. STANDARDS ENVIRONMENTAL TEST CONDITIONS

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

3.5. TEST DIAGRAMS

Conducted Test
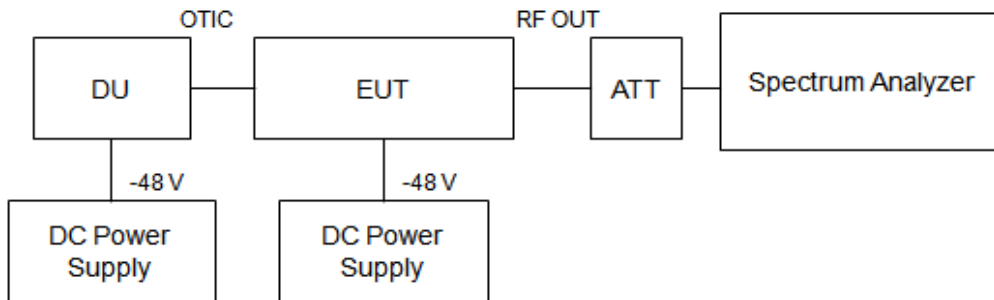
Radiated Test

30 MHz ~ 1 GHz
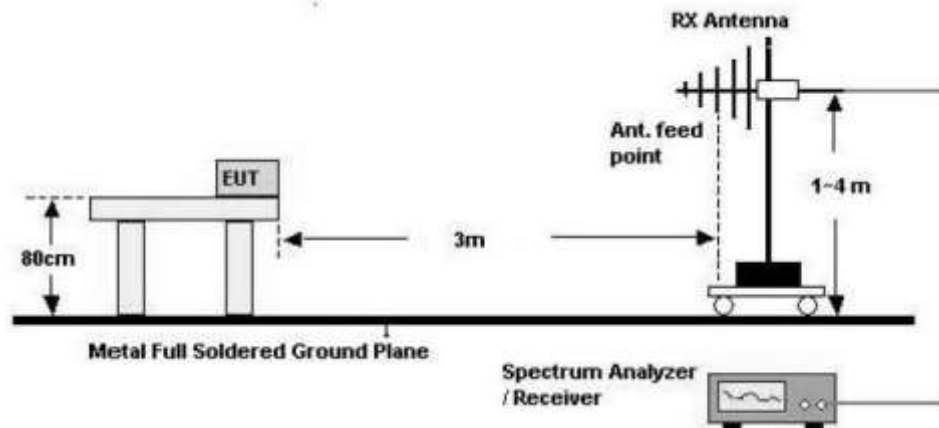
Above 1 GHz
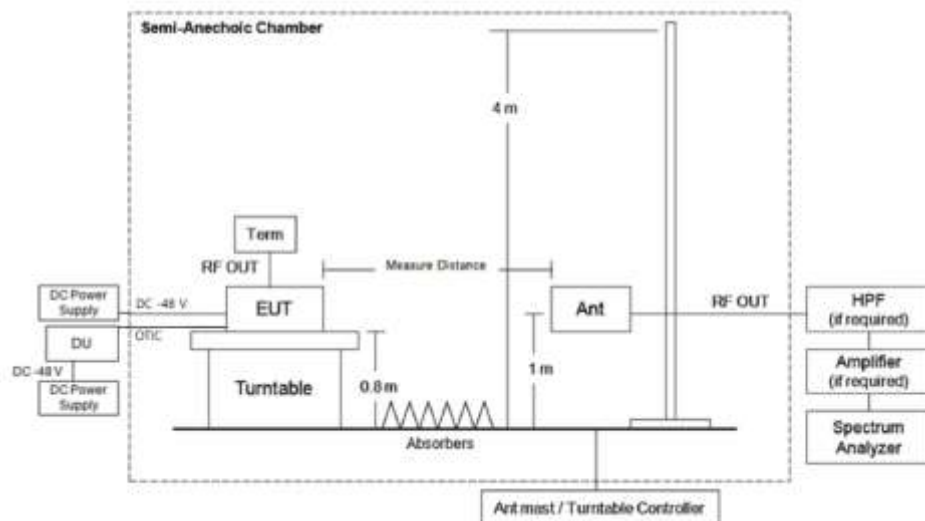
※ EUT position is adopted by placement of floor-standing refer to section 5.5.2.3.2 of ANSI C63.26-2015

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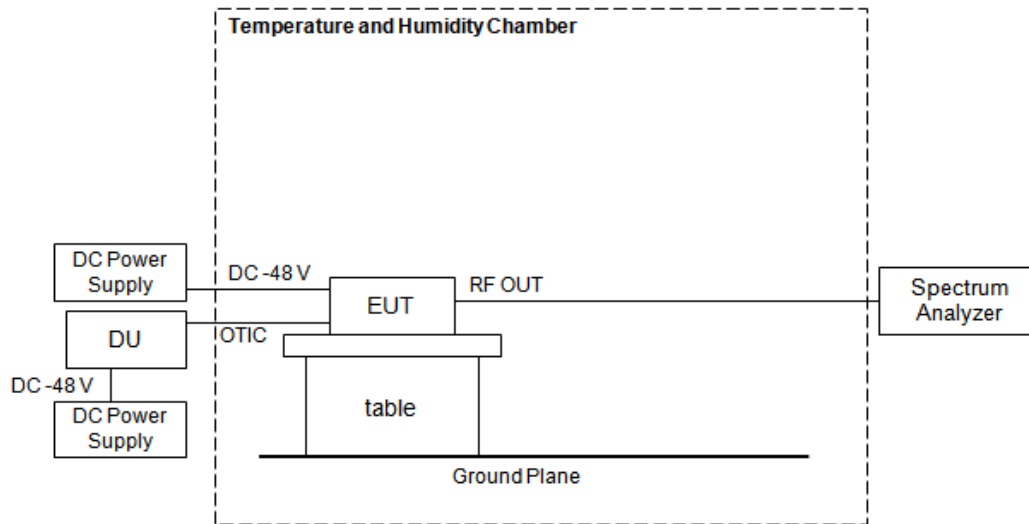
Note: All modulations(QPSK, 16QAM, 64QAM, 256QAM) were investigated and the worst case configuration channel results are reported.

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
Weinschel Associates	WA93-30-33 / 30 dB Attenuator	2021-03-30	Annual	0137
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:

1. Equipment listed above that calibrated during the testing period was set for test after the calibration.

2. 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 accrdance 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 × to 3 × the OBW.

b) Set RBW = 1% to 5% of the OBW.

c) Set VBW ≥ 3 × RBW.

d) Set number of measurement points in sweep ≥ 2 × span / RBW.

e) Sweep time:

1) Set = auto-couple, or

2) Set ≥ [10 × (number of points in sweep) × (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 ≤ ±2%) or non-constant (variations > ±2%), respectively.

Note: The results of the Conducted output power and PSD 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

B25 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1932.50	40.15	10.34
		Middle	1962.50	40.09	10.20
		High	1992.50	40.23	10.54
	16QAM	Low	1932.50	40.15	10.36
		Middle	1962.50	40.05	10.12
		High	1992.50	40.15	10.35
	64QAM	Low	1932.50	40.10	10.24
		Middle	1962.50	40.08	10.19
		High	1992.50	40.31	10.73
	256QAM	Low	1932.50	40.17	10.40
		Middle	1962.50	39.99	9.97
		High	1992.50	40.25	10.60
1	QPSK	Low	1932.50	40.32	10.77
		Middle	1962.50	40.49	11.18
		High	1992.50	40.33	10.79
	16QAM	Low	1932.50	40.24	10.57
		Middle	1962.50	40.42	11.01
		High	1992.50	40.45	11.10
	64QAM	Low	1932.50	40.33	10.79
		Middle	1962.50	40.51	11.25
		High	1992.50	40.46	11.11
	256QAM	Low	1932.50	40.39	10.95
		Middle	1962.50	40.46	11.12
		High	1992.50	40.39	10.93

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1932.50	39.99	9.97
		Middle	1962.50	39.98	9.95
		High	1992.50	40.12	10.27
	16QAM	Low	1932.50	39.88	9.73
		Middle	1962.50	40.11	10.25
		High	1992.50	40.21	10.49
	64QAM	Low	1932.50	39.98	9.96
		Middle	1962.50	39.97	9.94
		High	1992.50	40.17	10.39
	256QAM	Low	1932.50	40.01	10.01
		Middle	1962.50	39.97	9.93
		High	1992.50	40.15	10.34
3	QPSK	Low	1932.50	40.16	10.37
		Middle	1962.50	40.12	10.29
		High	1992.50	40.15	10.36
	16QAM	Low	1932.50	39.86	9.69
		Middle	1962.50	39.86	9.69
		High	1992.50	40.15	10.34
	64QAM	Low	1932.50	40.21	10.51
		Middle	1962.50	40.04	10.09
		High	1992.50	40.11	10.25
	256QAM	Low	1932.50	40.16	10.38
		Middle	1962.50	39.93	9.83
		High	1992.50	39.92	9.81

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50	41.45	40.34	41.49	41.74
1962.50	41.63	41.07	41.47	40.86
1992.50	41.96	42.28	42.50	41.69

B25 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1935.00	43.12	20.52
		Middle	1962.50	43.09	20.38
		High	1990.00	43.21	20.94
	16QAM	Low	1935.00	43.13	20.56
		Middle	1962.50	43.11	20.47
		High	1990.00	43.14	20.61
	64QAM	Low	1935.00	43.16	20.71
		Middle	1962.50	43.10	20.40
		High	1990.00	43.14	20.59
	256QAM	Low	1935.00	43.10	20.42
		Middle	1962.50	43.14	20.59
		High	1990.00	43.19	20.83
1	QPSK	Low	1935.00	43.49	22.32
		Middle	1962.50	43.02	20.06
		High	1990.00	43.07	20.27
	16QAM	Low	1935.00	43.32	21.49
		Middle	1962.50	43.19	20.82
		High	1990.00	43.15	20.66
	64QAM	Low	1935.00	43.42	22.00
		Middle	1962.50	43.00	19.97
		High	1990.00	43.12	20.51
	256QAM	Low	1935.00	43.31	21.42
		Middle	1962.50	42.94	19.68
		High	1990.00	43.12	20.51

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1935.00	43.03	20.08
		Middle	1962.50	43.11	20.48
		High	1990.00	43.09	20.38
	16QAM	Low	1935.00	42.96	19.76
		Middle	1962.50	43.10	20.44
		High	1990.00	43.16	20.69
	64QAM	Low	1935.00	42.97	19.82
		Middle	1962.50	42.99	19.89
		High	1990.00	43.08	20.31
	256QAM	Low	1935.00	42.90	19.51
		Middle	1962.50	43.04	20.16
		High	1990.00	43.10	20.40
3	QPSK	Low	1935.00	43.16	20.71
		Middle	1962.50	42.94	19.66
		High	1990.00	43.20	20.90
	16QAM	Low	1935.00	43.17	20.76
		Middle	1962.50	43.02	20.03
		High	1990.00	43.18	20.81
	64QAM	Low	1935.00	43.14	20.63
		Middle	1962.50	43.02	20.05
		High	1990.00	43.17	20.76
	256QAM	Low	1935.00	43.13	20.56
		Middle	1962.50	43.06	20.23
		High	1990.00	43.18	20.79

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1935.00	83.62	82.57	83.15	81.92
1962.50	80.58	81.76	80.31	80.65
1990.00	82.49	82.76	82.17	82.52

B25 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1937.50	44.80	30.20
		Middle	1962.50	44.87	30.73
		High	1987.50	44.92	31.07
	16QAM	Low	1937.50	44.79	30.15
		Middle	1962.50	44.82	30.35
		High	1987.50	45.03	31.83
	64QAM	Low	1937.50	44.77	29.98
		Middle	1962.50	44.75	29.87
		High	1987.50	44.87	30.71
	256QAM	Low	1937.50	44.75	29.87
		Middle	1962.50	44.84	30.46
		High	1987.50	44.95	31.28
1	QPSK	Low	1937.50	45.14	32.68
		Middle	1962.50	45.12	32.50
		High	1987.50	45.17	32.85
	16QAM	Low	1937.50	45.13	32.58
		Middle	1962.50	45.17	32.89
		High	1987.50	45.06	32.06
	64QAM	Low	1937.50	45.11	32.44
		Middle	1962.50	45.17	32.86
		High	1987.50	45.15	32.70
	256QAM	Low	1937.50	45.13	32.59
		Middle	1962.50	45.14	32.64
		High	1987.50	45.15	32.74

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1937.50	44.57	28.65
		Middle	1962.50	44.66	29.22
		High	1987.50	44.77	29.98
	16QAM	Low	1937.50	44.62	29.01
		Middle	1962.50	44.68	29.38
		High	1987.50	44.69	29.45
	64QAM	Low	1937.50	44.63	29.03
		Middle	1962.50	44.62	28.99
		High	1987.50	44.83	30.44
	256QAM	Low	1937.50	44.65	29.19
		Middle	1962.50	44.68	29.36
		High	1987.50	44.80	30.21
3	QPSK	Low	1937.50	44.80	30.21
		Middle	1962.50	44.76	29.93
		High	1987.50	44.89	30.80
	16QAM	Low	1937.50	44.75	29.84
		Middle	1962.50	44.70	29.53
		High	1987.50	44.88	30.80
	64QAM	Low	1937.50	44.84	30.44
		Middle	1962.50	44.70	29.53
		High	1987.50	44.94	31.20
	256QAM	Low	1937.50	44.73	29.70
		Middle	1962.50	44.70	29.52
		High	1987.50	44.90	30.87

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1937.50	121.74	121.57	121.90	121.36
1962.50	122.38	122.13	121.26	121.98
1987.50	124.71	124.14	125.06	125.10

B25 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1940.00	46.09	40.67
		Middle	1962.50	46.09	40.67
		High	1985.00	46.11	40.85
	16QAM	Low	1940.00	46.03	40.08
		Middle	1962.50	46.11	40.82
		High	1985.00	46.01	39.92
	64QAM	Low	1940.00	46.00	39.86
		Middle	1962.50	46.06	40.40
		High	1985.00	46.10	40.77
	256QAM	Low	1940.00	46.02	39.96
		Middle	1962.50	46.08	40.58
		High	1985.00	46.12	40.89
1	QPSK	Low	1940.00	46.03	40.06
		Middle	1962.50	46.14	41.14
		High	1985.00	46.33	42.91
	16QAM	Low	1940.00	46.12	40.96
		Middle	1962.50	46.18	41.45
		High	1985.00	46.39	43.59
	64QAM	Low	1940.00	46.06	40.37
		Middle	1962.50	46.13	41.05
		High	1985.00	46.30	42.62
	256QAM	Low	1940.00	46.08	40.54
		Middle	1962.50	46.16	41.32
		High	1985.00	46.29	42.60

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1940.00	45.90	38.90
		Middle	1962.50	45.85	38.45
		High	1985.00	45.90	38.90
	16QAM	Low	1940.00	45.84	38.36
		Middle	1962.50	45.88	38.74
		High	1985.00	45.92	39.12
	64QAM	Low	1940.00	45.82	38.22
		Middle	1962.50	45.90	38.87
		High	1985.00	45.93	39.17
	256QAM	Low	1940.00	45.83	38.30
		Middle	1962.50	45.89	38.80
		High	1985.00	45.93	39.17
3	QPSK	Low	1940.00	46.01	39.88
		Middle	1962.50	45.88	38.70
		High	1985.00	46.04	40.17
	16QAM	Low	1940.00	46.04	40.19
		Middle	1962.50	45.93	39.21
		High	1985.00	46.08	40.54
	64QAM	Low	1940.00	46.03	40.12
		Middle	1962.50	45.90	38.87
		High	1985.00	45.99	39.69
	256QAM	Low	1940.00	45.98	39.66
		Middle	1962.50	45.87	38.68
		High	1985.00	46.04	40.13

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1940.00	159.52	159.59	158.57	158.45
1962.50	158.97	160.22	159.19	159.38
1985.00	162.83	163.17	162.25	162.79

B66 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2112.50	39.38	8.67
		Middle	2145.00	39.89	9.75
		High	2177.50	39.98	9.95
	16QAM	Low	2112.50	39.37	8.66
		Middle	2145.00	39.94	9.87
		High	2177.50	39.76	9.47
	64QAM	Low	2112.50	39.40	8.71
		Middle	2145.00	39.90	9.76
		High	2177.50	39.66	9.24
	256QAM	Low	2112.50	39.35	8.62
		Middle	2145.00	39.99	9.97
		High	2177.50	39.64	9.20
1	QPSK	Low	2112.50	39.68	9.30
		Middle	2145.00	39.87	9.70
		High	2177.50	40.05	10.11
	16QAM	Low	2112.50	39.59	9.11
		Middle	2145.00	39.82	9.59
		High	2177.50	39.92	9.82
	64QAM	Low	2112.50	39.41	8.73
		Middle	2145.00	39.96	9.91
		High	2177.50	40.00	10.00
	256QAM	Low	2112.50	39.69	9.31
		Middle	2145.00	39.82	9.60
		High	2177.50	39.91	9.79

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2112.50	39.56	9.04
		Middle	2145.00	39.34	8.59
		High	2177.50	39.84	9.64
	16QAM	Low	2112.50	39.48	8.87
		Middle	2145.00	39.57	9.07
		High	2177.50	39.89	9.76
	64QAM	Low	2112.50	39.49	8.89
		Middle	2145.00	39.50	8.92
		High	2177.50	39.84	9.63
	256QAM	Low	2112.50	39.48	8.87
		Middle	2145.00	39.55	9.02
		High	2177.50	39.89	9.75
3	QPSK	Low	2112.50	39.57	9.06
		Middle	2145.00	39.80	9.56
		High	2177.50	39.92	9.82
	16QAM	Low	2112.50	39.50	8.91
		Middle	2145.00	39.68	9.29
		High	2177.50	39.89	9.75
	64QAM	Low	2112.50	39.55	9.03
		Middle	2145.00	39.77	9.48
		High	2177.50	39.96	9.92
	256QAM	Low	2112.50	39.61	9.15
		Middle	2145.00	39.83	9.61
		High	2177.50	39.85	9.66

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50	36.06	35.55	35.35	35.94
2145.00	37.59	37.83	38.07	38.19
2177.50	39.52	38.80	38.78	38.40

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Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2115.00	42.48	17.71
		Middle	2145.00	42.89	19.46
		High	2175.00	42.81	19.08
	16QAM	Low	2115.00	42.26	16.83
		Middle	2145.00	42.69	18.58
		High	2175.00	42.66	18.46
	64QAM	Low	2115.00	42.44	17.54
		Middle	2145.00	42.81	19.10
		High	2175.00	42.58	18.12
	256QAM	Low	2115.00	42.49	17.75
		Middle	2145.00	42.78	18.96
		High	2175.00	42.64	18.35
1	QPSK	Low	2115.00	42.43	17.48
		Middle	2145.00	42.73	18.75
		High	2175.00	42.92	19.61
	16QAM	Low	2115.00	42.54	17.95
		Middle	2145.00	42.75	18.86
		High	2175.00	42.74	18.78
	64QAM	Low	2115.00	42.38	17.31
		Middle	2145.00	42.72	18.69
		High	2175.00	42.73	18.75
	256QAM	Low	2115.00	42.34	17.14
		Middle	2145.00	42.74	18.79
		High	2175.00	42.69	18.57

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2115.00	42.28	16.90
		Middle	2145.00	42.47	17.67
		High	2175.00	42.71	18.68
	16QAM	Low	2115.00	42.28	16.88
		Middle	2145.00	42.38	17.29
		High	2175.00	42.74	18.78
	64QAM	Low	2115.00	42.21	16.62
		Middle	2145.00	42.40	17.37
		High	2175.00	42.68	18.51
	256QAM	Low	2115.00	42.25	16.78
		Middle	2145.00	42.33	17.08
		High	2175.00	42.64	18.37
3	QPSK	Low	2115.00	42.42	17.46
		Middle	2145.00	42.76	18.88
		High	2175.00	42.67	18.51
	16QAM	Low	2115.00	42.46	17.64
		Middle	2145.00	42.72	18.71
		High	2175.00	42.76	18.89
	64QAM	Low	2115.00	42.47	17.66
		Middle	2145.00	42.71	18.65
		High	2175.00	42.62	18.27
	256QAM	Low	2115.00	42.44	17.55
		Middle	2145.00	42.67	18.49
		High	2175.00	42.65	18.40

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2115.00	69.55	69.30	69.14	69.22
2145.00	74.77	73.44	73.81	73.32
2175.00	75.87	74.90	73.65	73.68

B66 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2117.50	44.32	27.01
		Middle	2145.00	44.60	28.83
		High	2172.50	44.58	28.70
	16QAM	Low	2117.50	44.34	27.17
		Middle	2145.00	44.66	29.23
		High	2172.50	44.55	28.50
	64QAM	Low	2117.50	44.30	26.95
		Middle	2145.00	44.61	28.92
		High	2172.50	44.54	28.44
	256QAM	Low	2117.50	44.32	27.04
		Middle	2145.00	44.61	28.91
		High	2172.50	44.49	28.11
1	QPSK	Low	2117.50	44.15	26.03
		Middle	2145.00	44.45	27.84
		High	2172.50	44.45	27.89
	16QAM	Low	2117.50	44.22	26.41
		Middle	2145.00	44.39	27.50
		High	2172.50	44.52	28.28
	64QAM	Low	2117.50	44.12	25.79
		Middle	2145.00	44.33	27.10
		High	2172.50	44.45	27.85
	256QAM	Low	2117.50	44.09	25.64
		Middle	2145.00	44.41	27.59
		High	2172.50	44.47	27.99

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2117.50	44.04	25.36
		Middle	2145.00	44.24	26.57
		High	2172.50	44.50	28.16
	16QAM	Low	2117.50	44.08	25.60
		Middle	2145.00	44.17	26.12
		High	2172.50	44.50	28.18
	64QAM	Low	2117.50	44.05	25.40
		Middle	2145.00	44.23	26.48
		High	2172.50	44.48	28.05
	256QAM	Low	2117.50	44.02	25.26
		Middle	2145.00	44.23	26.47
		High	2172.50	44.48	28.03
3	QPSK	Low	2117.50	44.29	26.84
		Middle	2145.00	44.44	27.78
		High	2172.50	44.49	28.13
	16QAM	Low	2117.50	44.22	26.39
		Middle	2145.00	44.45	27.89
		High	2172.50	44.48	28.03
	64QAM	Low	2117.50	44.38	27.40
		Middle	2145.00	44.47	28.00
		High	2172.50	44.50	28.19
	256QAM	Low	2117.50	44.30	26.92
		Middle	2145.00	44.52	28.29
		High	2172.50	44.58	28.69

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2117.50	105.24	105.57	105.55	104.86
2145.00	111.02	110.74	110.49	111.26
2172.50	112.88	113.00	112.52	112.82

B66 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2120.00	45.47	35.26
		Middle	2145.00	45.86	38.55
		High	2170.00	45.83	38.26
	16QAM	Low	2120.00	45.55	35.89
		Middle	2145.00	45.88	38.73
		High	2170.00	45.88	38.69
	64QAM	Low	2120.00	45.52	35.62
		Middle	2145.00	45.79	37.97
		High	2170.00	45.87	38.62
	256QAM	Low	2120.00	45.49	35.40
		Middle	2145.00	45.78	37.81
		High	2170.00	45.80	38.05
1	QPSK	Low	2120.00	45.42	34.83
		Middle	2145.00	45.67	36.91
		High	2170.00	45.76	37.70
	16QAM	Low	2120.00	45.35	34.26
		Middle	2145.00	45.72	37.36
		High	2170.00	45.77	37.76
	64QAM	Low	2120.00	45.37	34.46
		Middle	2145.00	45.62	36.52
		High	2170.00	45.81	38.12
	256QAM	Low	2120.00	45.29	33.78
		Middle	2145.00	45.66	36.82
		High	2170.00	45.84	38.41

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2120.00	45.37	34.43
		Middle	2145.00	45.53	35.73
		High	2170.00	45.68	36.97
	16QAM	Low	2120.00	45.45	35.10
		Middle	2145.00	45.55	35.87
		High	2170.00	45.66	36.79
	64QAM	Low	2120.00	45.38	34.51
		Middle	2145.00	45.51	35.55
		High	2170.00	45.67	36.94
	256QAM	Low	2120.00	45.42	34.85
		Middle	2145.00	45.47	35.25
		High	2170.00	45.65	36.75
3	QPSK	Low	2120.00	45.57	36.02
		Middle	2145.00	45.72	37.30
		High	2170.00	45.80	38.02
	16QAM	Low	2120.00	45.53	35.74
		Middle	2145.00	45.75	37.62
		High	2170.00	45.84	38.33
	64QAM	Low	2120.00	45.50	35.49
		Middle	2145.00	45.73	37.39
		High	2170.00	45.74	37.46
	256QAM	Low	2120.00	45.53	35.70
		Middle	2145.00	45.74	37.45
		High	2170.00	45.81	38.07

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00	140.53	140.99	140.08	139.73
2145.00	148.49	149.57	147.42	147.33
2170.00	150.94	151.56	151.14	151.28

Tabular Data of RF Contiguous output power

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1942.50	46.78	47.64
		Middle	1962.50	46.94	49.48
		High	1982.50	46.96	49.65
	16QAM	Low	1942.50	46.75	47.32
		Middle	1962.50	46.91	49.07
		High	1982.50	46.93	49.28
	64QAM	Low	1942.50	46.77	47.50
		Middle	1962.50	46.90	49.01
		High	1982.50	46.93	49.29
	256QAM	Low	1942.50	46.81	48.02
		Middle	1962.50	46.92	49.19
		High	1982.50	46.98	49.93
1	QPSK	Low	1942.50	47.14	51.74
		Middle	1962.50	47.21	52.63
		High	1982.50	47.16	52.05
	16QAM	Low	1942.50	46.94	49.45
		Middle	1962.50	47.23	52.80
		High	1982.50	47.23	52.81
	64QAM	Low	1942.50	47.11	51.43
		Middle	1962.50	47.24	52.98
		High	1982.50	47.23	52.82
	256QAM	Low	1942.50	47.08	51.07
		Middle	1962.50	47.22	52.77
		High	1982.50	47.25	53.03

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1942.50	46.69	46.64
		Middle	1962.50	46.70	46.74
		High	1982.50	46.78	47.69
	16QAM	Low	1942.50	46.68	46.59
		Middle	1962.50	46.76	47.46
		High	1982.50	46.72	47.04
	64QAM	Low	1942.50	46.69	46.63
		Middle	1962.50	46.74	47.25
		High	1982.50	46.77	47.49
	256QAM	Low	1942.50	46.65	46.23
		Middle	1962.50	46.75	47.37
		High	1982.50	46.79	47.75
3	QPSK	Low	1942.50	46.92	49.22
		Middle	1962.50	46.84	48.26
		High	1982.50	47.04	50.58
	16QAM	Low	1942.50	46.78	47.65
		Middle	1962.50	46.84	48.32
		High	1982.50	47.04	50.56
	64QAM	Low	1942.50	46.81	48.00
		Middle	1962.50	46.85	48.45
		High	1982.50	47.08	51.04
	256QAM	Low	1942.50	46.84	48.28
		Middle	1962.50	46.87	48.69
		High	1982.50	47.02	50.29

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1942.50	195.24	191.01	193.56	193.60
1962.50	197.11	197.64	197.69	198.02
1982.50	199.96	199.69	200.64	201.01

B25 LTE 10 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1945.00	47.61	57.68
		Middle	1962.50	47.62	57.86
		High	1980.00	47.68	58.65
	16QAM	Low	1945.00	47.53	56.68
		Middle	1962.50	47.66	58.33
		High	1980.00	47.73	59.28
	64QAM	Low	1945.00	47.58	57.21
		Middle	1962.50	47.65	58.16
		High	1980.00	47.67	58.49
	256QAM	Low	1945.00	47.57	57.13
		Middle	1962.50	47.62	57.74
		High	1980.00	47.68	58.57
1	QPSK	Low	1945.00	47.82	60.59
		Middle	1962.50	47.95	62.32
		High	1980.00	47.92	61.93
	16QAM	Low	1945.00	47.74	59.46
		Middle	1962.50	47.89	61.50
		High	1980.00	47.90	61.63
	64QAM	Low	1945.00	47.84	60.86
		Middle	1962.50	47.94	62.26
		High	1980.00	47.98	62.83
	256QAM	Low	1945.00	47.87	61.29
		Middle	1962.50	47.96	62.45
		High	1980.00	47.96	62.50

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1945.00	47.32	53.93
		Middle	1962.50	47.44	55.51
		High	1980.00	47.52	56.56
	16QAM	Low	1945.00	47.39	54.84
		Middle	1962.50	47.45	55.58
		High	1980.00	47.55	56.86
	64QAM	Low	1945.00	47.40	54.92
		Middle	1962.50	47.44	55.41
		High	1980.00	47.54	56.74
	256QAM	Low	1945.00	47.39	54.79
		Middle	1962.50	47.48	55.95
		High	1980.00	47.54	56.70
3	QPSK	Low	1945.00	47.61	57.61
		Middle	1962.50	47.59	57.44
		High	1980.00	47.76	59.68
	16QAM	Low	1945.00	47.57	57.08
		Middle	1962.50	47.60	57.52
		High	1980.00	47.69	58.74
	64QAM	Low	1945.00	47.59	57.37
		Middle	1962.50	47.60	57.60
		High	1980.00	47.75	59.51
	256QAM	Low	1945.00	47.63	57.98
		Middle	1962.50	47.60	57.58
		High	1980.00	47.76	59.74

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1945.00	229.80	228.06	230.36	231.20
1962.50	233.13	232.93	233.42	233.72
1980.00	236.82	236.50	237.58	237.52

B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1945.00	47.32	53.96
		Middle	1962.50	47.42	55.23
		High	1980.00	47.43	55.30
	16QAM	Low	1945.00	47.31	53.83
		Middle	1962.50	47.47	55.82
		High	1980.00	47.47	55.89
	64QAM	Low	1945.00	47.32	53.94
		Middle	1962.50	47.43	55.31
		High	1980.00	47.48	56.00
	256QAM	Low	1945.00	47.33	54.06
		Middle	1962.50	47.42	55.22
		High	1980.00	47.46	55.71
1	QPSK	Low	1945.00	47.70	58.93
		Middle	1962.50	47.73	59.33
		High	1980.00	47.70	58.82
	16QAM	Low	1945.00	47.66	58.33
		Middle	1962.50	47.85	60.93
		High	1980.00	47.80	60.30
	64QAM	Low	1945.00	47.68	58.64
		Middle	1962.50	47.82	60.49
		High	1980.00	47.80	60.27
	256QAM	Low	1945.00	47.65	58.17
		Middle	1962.50	47.79	60.16
		High	1980.00	47.76	59.68

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1945.00	47.30	53.70
		Middle	1962.50	47.33	54.06
		High	1980.00	47.35	54.33
	16QAM	Low	1945.00	47.31	53.86
		Middle	1962.50	47.34	54.20
		High	1980.00	47.36	54.48
	64QAM	Low	1945.00	47.32	54.00
		Middle	1962.50	47.36	54.50
		High	1980.00	47.36	54.49
	256QAM	Low	1945.00	47.33	54.10
		Middle	1962.50	47.38	54.65
		High	1980.00	47.39	54.79
3	QPSK	Low	1945.00	47.45	55.60
		Middle	1962.50	47.56	57.00
		High	1980.00	47.65	58.24
	16QAM	Low	1945.00	47.47	55.91
		Middle	1962.50	47.53	56.60
		High	1980.00	47.72	59.13
	64QAM	Low	1945.00	47.45	55.55
		Middle	1962.50	47.58	57.33
		High	1980.00	47.69	58.69
	256QAM	Low	1945.00	47.43	55.31
		Middle	1962.50	47.51	56.40
		High	1980.00	47.59	57.35

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1945.00	222.19	221.93	222.13	221.64
1962.50	225.63	227.54	227.63	226.43
1980.00	226.68	229.79	229.45	227.52

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1945.00	47.39	54.82
		Middle	1962.50	47.44	55.42
		High	1980.00	47.57	57.11
	16QAM	Low	1945.00	47.41	55.11
		Middle	1962.50	47.48	55.95
		High	1980.00	47.55	56.85
	64QAM	Low	1945.00	47.36	54.40
		Middle	1962.50	47.46	55.65
		High	1980.00	47.55	56.83
	256QAM	Low	1945.00	47.39	54.79
		Middle	1962.50	47.43	55.36
		High	1980.00	47.51	56.43
1	QPSK	Low	1945.00	47.84	60.77
		Middle	1962.50	47.69	58.72
		High	1980.00	47.88	61.31
	16QAM	Low	1945.00	47.87	61.22
		Middle	1962.50	47.83	60.69
		High	1980.00	47.84	60.81
	64QAM	Low	1945.00	47.88	61.35
		Middle	1962.50	47.71	58.95
		High	1980.00	47.86	61.09
	256QAM	Low	1945.00	47.82	60.48
		Middle	1962.50	47.76	59.69
		High	1980.00	47.87	61.26

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1945.00	47.05	50.71
		Middle	1962.50	47.13	51.62
		High	1980.00	47.06	50.76
	16QAM	Low	1945.00	47.02	50.32
		Middle	1962.50	47.11	51.36
		High	1980.00	47.08	51.07
	64QAM	Low	1945.00	47.04	50.54
		Middle	1962.50	47.13	51.61
		High	1980.00	47.09	51.13
	256QAM	Low	1945.00	47.02	50.34
		Middle	1962.50	47.12	51.46
		High	1980.00	47.06	50.83
3	QPSK	Low	1945.00	47.44	55.51
		Middle	1962.50	47.40	54.99
		High	1980.00	47.41	55.08
	16QAM	Low	1945.00	47.49	56.07
		Middle	1962.50	47.47	55.85
		High	1980.00	47.39	54.83
	64QAM	Low	1945.00	47.49	56.09
		Middle	1962.50	47.46	55.77
		High	1980.00	47.32	53.99
	256QAM	Low	1945.00	47.47	55.82
		Middle	1962.50	47.44	55.45
		High	1980.00	47.38	54.66

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1945.00	221.81	222.71	222.38	221.43
1962.50	220.76	223.84	221.98	221.96
1980.00	224.25	223.56	223.05	223.18

B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1945.00	47.45	55.54
		Middle	1962.50	47.58	57.31
		High	1980.00	47.56	57.00
	16QAM	Low	1945.00	47.46	55.77
		Middle	1962.50	47.47	55.81
		High	1980.00	47.54	56.73
	64QAM	Low	1945.00	47.52	56.51
		Middle	1962.50	47.52	56.51
		High	1980.00	47.52	56.49
	256QAM	Low	1945.00	47.50	56.17
		Middle	1962.50	47.57	57.21
		High	1980.00	47.57	57.17
1	QPSK	Low	1945.00	47.56	57.02
		Middle	1962.50	47.73	59.32
		High	1980.00	47.75	59.53
	16QAM	Low	1945.00	47.48	56.03
		Middle	1962.50	47.62	57.80
		High	1980.00	47.70	58.82
	64QAM	Low	1945.00	47.55	56.83
		Middle	1962.50	47.72	59.13
		High	1980.00	47.75	59.59
	256QAM	Low	1945.00	47.56	57.00
		Middle	1962.50	47.78	59.99
		High	1980.00	47.76	59.76

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1945.00	47.20	52.53
		Middle	1962.50	47.29	53.53
		High	1980.00	47.33	54.06
	16QAM	Low	1945.00	47.21	52.64
		Middle	1962.50	47.25	53.10
		High	1980.00	47.34	54.20
	64QAM	Low	1945.00	47.21	52.59
		Middle	1962.50	47.28	53.41
		High	1980.00	47.27	53.39
	256QAM	Low	1945.00	47.25	53.13
		Middle	1962.50	47.31	53.81
		High	1980.00	47.34	54.16
3	QPSK	Low	1945.00	47.30	53.69
		Middle	1962.50	47.33	54.06
		High	1980.00	47.43	55.31
	16QAM	Low	1945.00	47.32	53.90
		Middle	1962.50	47.39	54.78
		High	1980.00	47.45	55.55
	64QAM	Low	1945.00	47.37	54.56
		Middle	1962.50	47.30	53.73
		High	1980.00	47.37	54.59
	256QAM	Low	1945.00	47.35	54.33
		Middle	1962.50	47.34	54.26
		High	1980.00	47.43	55.39

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1945.00	218.78	218.34	220.49	220.62
1962.50	224.22	221.48	222.77	225.28
1980.00	225.90	225.30	224.07	226.48

B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1947.50	47.57	57.15
		Middle	1962.50	47.65	58.18
		High	1977.50	47.75	59.53
	16QAM	Low	1947.50	47.62	57.81
		Middle	1962.50	47.70	58.83
		High	1977.50	47.64	58.13
	64QAM	Low	1947.50	47.63	57.94
		Middle	1962.50	47.69	58.74
		High	1977.50	47.76	59.72
	256QAM	Low	1947.50	47.63	57.88
		Middle	1962.50	47.70	58.88
		High	1977.50	47.74	59.46
1	QPSK	Low	1947.50	48.01	63.23
		Middle	1962.50	47.93	62.12
		High	1977.50	47.98	62.81
	16QAM	Low	1947.50	48.04	63.64
		Middle	1962.50	48.02	63.39
		High	1977.50	47.99	62.99
	64QAM	Low	1947.50	47.96	62.53
		Middle	1962.50	47.95	62.43
		High	1977.50	47.97	62.69
	256QAM	Low	1947.50	47.98	62.76
		Middle	1962.50	47.97	62.70
		High	1977.50	48.01	63.30

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1947.50	47.47	55.85
		Middle	1962.50	47.51	56.42
		High	1977.50	47.51	56.30
	16QAM	Low	1947.50	47.45	55.64
		Middle	1962.50	47.53	56.62
		High	1977.50	47.53	56.60
	64QAM	Low	1947.50	47.43	55.32
		Middle	1962.50	47.44	55.53
		High	1977.50	47.55	56.87
	256QAM	Low	1947.50	47.49	56.09
		Middle	1962.50	47.51	56.34
		High	1977.50	47.55	56.92
3	QPSK	Low	1947.50	47.73	59.28
		Middle	1962.50	47.70	58.91
		High	1977.50	47.75	59.59
	16QAM	Low	1947.50	47.67	58.47
		Middle	1962.50	47.67	58.51
		High	1977.50	47.74	59.44
	64QAM	Low	1947.50	47.73	59.31
		Middle	1962.50	47.72	59.10
		High	1977.50	47.73	59.33
	256QAM	Low	1947.50	47.73	59.25
		Middle	1962.50	47.70	58.91
		High	1977.50	47.76	59.66

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1947.50	235.50	235.55	235.10	235.98
1962.50	235.63	237.35	235.79	236.84
1977.50	238.22	237.16	238.61	239.34

B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1950.00	47.71	59.03
		Middle	1962.50	47.73	59.33
		High	1975.00	47.69	58.72
	16QAM	Low	1950.00	47.70	58.91
		Middle	1962.50	47.67	58.52
		High	1975.00	47.67	58.41
	64QAM	Low	1950.00	47.73	59.24
		Middle	1962.50	47.78	59.92
		High	1975.00	47.74	59.39
	256QAM	Low	1950.00	47.71	59.02
		Middle	1962.50	47.76	59.72
		High	1975.00	47.70	58.82
1	QPSK	Low	1950.00	47.91	61.79
		Middle	1962.50	47.96	62.55
		High	1975.00	48.10	64.61
	16QAM	Low	1950.00	47.97	62.70
		Middle	1962.50	47.99	62.95
		High	1975.00	48.06	63.91
	64QAM	Low	1950.00	47.95	62.37
		Middle	1962.50	48.00	63.11
		High	1975.00	48.09	64.45
	256QAM	Low	1950.00	48.00	63.02
		Middle	1962.50	48.05	63.75
		High	1975.00	48.07	64.19

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1950.00	47.47	55.83
		Middle	1962.50	47.51	56.39
		High	1975.00	47.54	56.75
	16QAM	Low	1950.00	47.51	56.43
		Middle	1962.50	47.51	56.30
		High	1975.00	47.51	56.34
	64QAM	Low	1950.00	47.50	56.21
		Middle	1962.50	47.50	56.18
		High	1975.00	47.57	57.11
	256QAM	Low	1950.00	47.48	55.95
		Middle	1962.50	47.55	56.86
		High	1975.00	47.58	57.35
3	QPSK	Low	1950.00	47.64	58.04
		Middle	1962.50	47.67	58.52
		High	1975.00	47.67	58.48
	16QAM	Low	1950.00	47.62	57.84
		Middle	1962.50	47.66	58.37
		High	1975.00	47.66	58.33
	64QAM	Low	1950.00	47.67	58.49
		Middle	1962.50	47.68	58.65
		High	1975.00	47.74	59.46
	256QAM	Low	1950.00	47.72	59.10
		Middle	1962.50	47.69	58.79
		High	1975.00	47.70	58.87

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1950.00	234.69	235.88	236.31	237.09
1962.50	236.79	236.14	237.87	239.12
1975.00	238.57	237.00	240.40	239.23

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1950.00	47.40	54.90
		Middle	1962.50	47.44	55.48
		High	1975.00	47.48	56.03
	16QAM	Low	1950.00	47.42	55.18
		Middle	1962.50	47.51	56.38
		High	1975.00	47.48	55.98
	64QAM	Low	1950.00	47.35	54.35
		Middle	1962.50	47.49	56.07
		High	1975.00	47.50	56.23
	256QAM	Low	1950.00	47.41	55.07
		Middle	1962.50	47.46	55.74
		High	1975.00	47.54	56.77
1	QPSK	Low	1950.00	47.68	58.56
		Middle	1962.50	47.65	58.18
		High	1975.00	47.72	59.17
	16QAM	Low	1950.00	47.68	58.55
		Middle	1962.50	47.69	58.68
		High	1975.00	47.71	59.02
	64QAM	Low	1950.00	47.64	58.10
		Middle	1962.50	47.69	58.82
		High	1975.00	47.71	59.07
	256QAM	Low	1950.00	47.69	58.80
		Middle	1962.50	47.70	58.84
		High	1975.00	47.72	59.20

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1950.00	47.21	52.60
		Middle	1962.50	47.17	52.12
		High	1975.00	47.28	53.43
	16QAM	Low	1950.00	47.19	52.34
		Middle	1962.50	47.26	53.20
		High	1975.00	47.23	52.83
	64QAM	Low	1950.00	47.19	52.35
		Middle	1962.50	47.20	52.47
		High	1975.00	47.20	52.44
	256QAM	Low	1950.00	47.16	52.00
		Middle	1962.50	47.15	51.86
		High	1975.00	47.20	52.54
3	QPSK	Low	1950.00	47.33	54.09
		Middle	1962.50	47.34	54.18
		High	1975.00	47.40	54.95
	16QAM	Low	1950.00	47.36	54.44
		Middle	1962.50	47.47	55.90
		High	1975.00	47.36	54.44
	64QAM	Low	1950.00	47.37	54.53
		Middle	1962.50	47.39	54.84
		High	1975.00	47.41	55.08
	256QAM	Low	1950.00	47.37	54.63
		Middle	1962.50	47.37	54.55
		High	1975.00	47.42	55.22

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1950.00	220.15	220.50	219.33	220.50
1962.50	219.95	224.16	222.19	220.99
1975.00	223.58	222.27	222.83	223.73

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1950.00	47.30	53.70
		Middle	1962.50	47.35	54.36
		High	1975.00	47.32	53.90
	16QAM	Low	1950.00	47.30	53.75
		Middle	1962.50	47.37	54.55
		High	1975.00	47.26	53.26
	64QAM	Low	1950.00	47.28	53.49
		Middle	1962.50	47.32	53.98
		High	1975.00	47.32	54.00
	256QAM	Low	1950.00	47.34	54.19
		Middle	1962.50	47.34	54.16
		High	1975.00	47.31	53.79
1	QPSK	Low	1950.00	47.66	58.41
		Middle	1962.50	47.71	59.02
		High	1975.00	47.62	57.81
	16QAM	Low	1950.00	47.71	59.09
		Middle	1962.50	47.69	58.72
		High	1975.00	47.65	58.21
	64QAM	Low	1950.00	47.69	58.75
		Middle	1962.50	47.62	57.85
		High	1975.00	47.65	58.28
	256QAM	Low	1950.00	47.67	58.49
		Middle	1962.50	47.71	59.02
		High	1975.00	47.64	58.08

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1950.00	47.28	53.44
		Middle	1962.50	47.30	53.65
		High	1975.00	47.27	53.33
	16QAM	Low	1950.00	47.28	53.44
		Middle	1962.50	47.26	53.17
		High	1975.00	47.26	53.17
	64QAM	Low	1950.00	47.30	53.70
		Middle	1962.50	47.26	53.24
		High	1975.00	47.25	53.13
	256QAM	Low	1950.00	47.25	53.05
		Middle	1962.50	47.29	53.55
		High	1975.00	47.30	53.69
3	QPSK	Low	1950.00	47.52	56.55
		Middle	1962.50	47.42	55.22
		High	1975.00	47.54	56.82
	16QAM	Low	1950.00	47.52	56.52
		Middle	1962.50	47.52	56.47
		High	1975.00	47.52	56.53
	64QAM	Low	1950.00	47.47	55.87
		Middle	1962.50	47.49	56.09
		High	1975.00	47.50	56.29
	256QAM	Low	1950.00	47.51	56.32
		Middle	1962.50	47.49	56.12
		High	1975.00	47.54	56.73

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1950.00	222.10	222.80	221.82	222.06
1962.50	222.26	222.91	221.15	222.86
1975.00	221.86	221.18	221.69	222.29

B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2117.50	44.20	26.29
		Middle	2145.00	44.54	28.46
		High	2172.50	44.51	28.22
	16QAM	Low	2117.50	44.14	25.94
		Middle	2145.00	44.58	28.72
		High	2172.50	44.52	28.29
	64QAM	Low	2117.50	44.21	26.37
		Middle	2145.00	44.59	28.77
		High	2172.50	44.46	27.93
	256QAM	Low	2117.50	44.11	25.77
		Middle	2145.00	44.56	28.57
		High	2172.50	44.45	27.89
1	QPSK	Low	2117.50	44.03	25.28
		Middle	2145.00	44.35	27.25
		High	2172.50	44.41	27.59
	16QAM	Low	2117.50	44.07	25.55
		Middle	2145.00	44.39	27.46
		High	2172.50	44.56	28.55
	64QAM	Low	2117.50	44.07	25.54
		Middle	2145.00	44.42	27.68
		High	2172.50	44.52	28.31
	256QAM	Low	2117.50	44.05	25.44
		Middle	2145.00	44.37	27.34
		High	2172.50	44.59	28.75

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2117.50	44.06	25.45
		Middle	2145.00	44.12	25.80
		High	2172.50	44.40	27.53
	16QAM	Low	2117.50	44.05	25.39
		Middle	2145.00	44.15	26.03
		High	2172.50	44.40	27.55
	64QAM	Low	2117.50	44.15	26.01
		Middle	2145.00	44.18	26.16
		High	2172.50	44.48	28.07
	256QAM	Low	2117.50	44.09	25.63
		Middle	2145.00	44.14	25.93
		High	2172.50	44.55	28.52
3	QPSK	Low	2117.50	44.14	25.95
		Middle	2145.00	44.34	27.16
		High	2172.50	44.39	27.51
	16QAM	Low	2117.50	44.10	25.70
		Middle	2145.00	44.44	27.80
		High	2172.50	44.40	27.57
	64QAM	Low	2117.50	44.07	25.56
		Middle	2145.00	44.48	28.05
		High	2172.50	44.33	27.12
	256QAM	Low	2117.50	44.16	26.06
		Middle	2145.00	44.42	27.68
		High	2172.50	44.41	27.63

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2117.50	102.96	102.58	103.48	102.90
2145.00	108.67	110.01	110.67	109.52
2172.50	110.85	111.97	111.43	112.80

B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2117.50	44.19	26.23
		Middle	2145.00	44.52	28.29
		High	2172.50	44.48	28.06
	16QAM	Low	2117.50	44.13	25.86
		Middle	2145.00	44.60	28.86
		High	2172.50	44.45	27.88
	64QAM	Low	2117.50	44.17	26.14
		Middle	2145.00	44.51	28.22
		High	2172.50	44.29	26.87
	256QAM	Low	2117.50	44.13	25.90
		Middle	2145.00	44.50	28.16
		High	2172.50	44.33	27.09
1	QPSK	Low	2117.50	43.93	24.69
		Middle	2145.00	44.24	26.56
		High	2172.50	44.38	27.38
	16QAM	Low	2117.50	44.03	25.28
		Middle	2145.00	44.28	26.81
		High	2172.50	44.43	27.74
	64QAM	Low	2117.50	43.92	24.63
		Middle	2145.00	44.18	26.19
		High	2172.50	44.30	26.95
	256QAM	Low	2117.50	43.91	24.59
		Middle	2145.00	44.24	26.56
		High	2172.50	44.44	27.82

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2117.50	44.35	27.22
		Middle	2145.00	44.43	27.71
		High	2172.50	44.56	28.55
	16QAM	Low	2117.50	44.28	26.80
		Middle	2145.00	44.47	28.02
		High	2172.50	44.55	28.48
	64QAM	Low	2117.50	44.35	27.25
		Middle	2145.00	44.49	28.13
		High	2172.50	44.48	28.04
	256QAM	Low	2117.50	44.39	27.48
		Middle	2145.00	44.37	27.37
		High	2172.50	44.58	28.71
3	QPSK	Low	2117.50	44.04	25.33
		Middle	2145.00	44.26	26.66
		High	2172.50	44.06	25.47
	16QAM	Low	2117.50	43.98	25.01
		Middle	2145.00	44.22	26.45
		High	2172.50	44.32	27.05
	64QAM	Low	2117.50	43.93	24.70
		Middle	2145.00	44.32	27.03
		High	2172.50	44.09	25.64
	256QAM	Low	2117.50	44.03	25.28
		Middle	2145.00	44.21	26.36
		High	2172.50	44.05	25.42

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2117.50	103.48	102.95	102.72	103.25
2145.00	109.22	110.13	109.56	108.45
2172.50	109.47	111.14	107.50	109.05

B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2122.50	45.49	35.40
		Middle	2145.00	45.86	38.56
		High	2167.50	45.74	37.45
	16QAM	Low	2122.50	45.62	36.51
		Middle	2145.00	45.85	38.45
		High	2167.50	45.77	37.75
	64QAM	Low	2122.50	45.62	36.44
		Middle	2145.00	45.75	37.62
		High	2167.50	45.74	37.48
	256QAM	Low	2122.50	45.66	36.80
		Middle	2145.00	45.69	37.04
		High	2167.50	45.78	37.83
1	QPSK	Low	2122.50	45.35	34.29
		Middle	2145.00	45.46	35.17
		High	2167.50	45.70	37.17
	16QAM	Low	2122.50	45.30	33.87
		Middle	2145.00	45.49	35.39
		High	2167.50	45.68	37.00
	64QAM	Low	2122.50	45.26	33.60
		Middle	2145.00	45.54	35.78
		High	2167.50	45.72	37.29
	256QAM	Low	2122.50	45.22	33.30
		Middle	2145.00	45.60	36.30
		High	2167.50	45.72	37.31

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2122.50	45.21	33.21
		Middle	2145.00	45.38	34.47
		High	2167.50	45.52	35.68
	16QAM	Low	2122.50	45.24	33.43
		Middle	2145.00	45.42	34.84
		High	2167.50	45.66	36.79
	64QAM	Low	2122.50	45.28	33.77
		Middle	2145.00	45.36	34.37
		High	2167.50	45.65	36.76
	256QAM	Low	2122.50	45.24	33.43
		Middle	2145.00	45.41	34.72
		High	2167.50	45.59	36.23
3	QPSK	Low	2122.50	45.48	35.34
		Middle	2145.00	45.63	36.60
		High	2167.50	45.70	37.13
	16QAM	Low	2122.50	45.41	34.76
		Middle	2145.00	45.63	36.58
		High	2167.50	45.76	37.64
	64QAM	Low	2122.50	45.42	34.81
		Middle	2145.00	45.67	36.91
		High	2167.50	45.78	37.81
	256QAM	Low	2122.50	45.41	34.79
		Middle	2145.00	45.72	37.30
		High	2167.50	45.72	37.33

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2122.50	138.25	138.57	138.62	138.32
2145.00	144.81	145.27	144.67	145.36
2167.50	147.43	149.18	149.34	148.69

B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2122.50	45.49	35.44
		Middle	2145.00	45.64	36.65
		High	2167.50	45.75	37.60
	16QAM	Low	2122.50	45.47	35.22
		Middle	2145.00	45.71	37.21
		High	2167.50	45.74	37.53
	64QAM	Low	2122.50	45.44	35.03
		Middle	2145.00	45.67	36.86
		High	2167.50	45.72	37.35
	256QAM	Low	2122.50	45.46	35.17
		Middle	2145.00	45.65	36.75
		High	2167.50	45.71	37.21
1	QPSK	Low	2122.50	45.30	33.92
		Middle	2145.00	45.43	34.92
		High	2167.50	45.58	36.18
	16QAM	Low	2122.50	45.22	33.29
		Middle	2145.00	45.54	35.78
		High	2167.50	45.56	35.99
	64QAM	Low	2122.50	45.25	33.49
		Middle	2145.00	45.48	35.36
		High	2167.50	45.51	35.52
	256QAM	Low	2122.50	45.21	33.15
		Middle	2145.00	45.46	35.17
		High	2167.50	45.54	35.83

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2122.50	45.21	33.20
		Middle	2145.00	45.26	33.59
		High	2167.50	45.51	35.55
	16QAM	Low	2122.50	45.20	33.14
		Middle	2145.00	45.27	33.68
		High	2167.50	45.52	35.60
	64QAM	Low	2122.50	45.18	32.93
		Middle	2145.00	45.24	33.40
		High	2167.50	45.51	35.55
	256QAM	Low	2122.50	45.17	32.92
		Middle	2145.00	45.29	33.81
		High	2167.50	45.48	35.31
3	QPSK	Low	2122.50	45.31	33.96
		Middle	2145.00	45.56	35.98
		High	2167.50	45.66	36.86
	16QAM	Low	2122.50	45.23	33.33
		Middle	2145.00	45.53	35.71
		High	2167.50	45.55	35.90
	64QAM	Low	2122.50	45.25	33.47
		Middle	2145.00	45.53	35.69
		High	2167.50	45.60	36.29
	256QAM	Low	2122.50	45.22	33.24
		Middle	2145.00	45.54	35.78
		High	2167.50	45.59	36.25

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2122.50	136.52	134.98	134.91	134.48
2145.00	141.15	142.39	141.31	141.52
2167.50	146.19	145.03	144.72	144.61

B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2120.00	45.77	37.72
		Middle	2145.00	45.76	37.69
		High	2170.00	45.77	37.77
	16QAM	Low	2120.00	45.63	36.53
		Middle	2145.00	45.79	37.90
		High	2170.00	45.78	37.81
	64QAM	Low	2120.00	45.58	36.15
		Middle	2145.00	45.80	38.05
		High	2170.00	45.80	38.01
	256QAM	Low	2120.00	45.70	37.13
		Middle	2145.00	45.80	38.05
		High	2170.00	45.77	37.78
1	QPSK	Low	2120.00	45.43	34.93
		Middle	2145.00	45.57	36.02
		High	2170.00	45.65	36.70
	16QAM	Low	2120.00	45.46	35.13
		Middle	2145.00	45.58	36.14
		High	2170.00	45.68	36.97
	64QAM	Low	2120.00	45.45	35.12
		Middle	2145.00	45.63	36.54
		High	2170.00	45.68	36.95
	256QAM	Low	2120.00	45.42	34.83
		Middle	2145.00	45.69	37.10
		High	2170.00	45.69	37.08

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2120.00	45.51	35.59
		Middle	2145.00	45.35	34.28
		High	2170.00	45.62	36.49
	16QAM	Low	2120.00	45.37	34.43
		Middle	2145.00	45.50	35.50
		High	2170.00	45.62	36.51
	64QAM	Low	2120.00	45.43	34.89
		Middle	2145.00	45.42	34.81
		High	2170.00	45.59	36.22
	256QAM	Low	2120.00	45.41	34.74
		Middle	2145.00	45.42	34.84
		High	2170.00	45.56	35.97
3	QPSK	Low	2120.00	45.56	36.00
		Middle	2145.00	45.72	37.29
		High	2170.00	45.82	38.17
	16QAM	Low	2120.00	45.71	37.23
		Middle	2145.00	45.77	37.77
		High	2170.00	45.72	37.36
	64QAM	Low	2120.00	45.63	36.58
		Middle	2145.00	45.83	38.30
		High	2170.00	45.76	37.68
	256QAM	Low	2120.00	45.66	36.80
		Middle	2145.00	45.78	37.81
		High	2170.00	45.72	37.37

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00	144.24	143.33	142.74	143.50
2145.00	145.28	147.31	147.70	147.81
2170.00	149.13	148.65	148.86	148.20

B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2120.00	45.40	34.67
		Middle	2145.00	45.80	38.05
		High	2170.00	45.75	37.55
	16QAM	Low	2120.00	45.43	34.91
		Middle	2145.00	45.69	37.09
		High	2170.00	45.80	38.05
	64QAM	Low	2120.00	45.49	35.37
		Middle	2145.00	45.71	37.23
		High	2170.00	45.79	37.93
	256QAM	Low	2120.00	45.38	34.50
		Middle	2145.00	45.70	37.16
		High	2170.00	45.74	37.50
1	QPSK	Low	2120.00	45.30	33.91
		Middle	2145.00	45.53	35.74
		High	2170.00	45.70	37.14
	16QAM	Low	2120.00	45.40	34.71
		Middle	2145.00	45.65	36.69
		High	2170.00	45.75	37.60
	64QAM	Low	2120.00	45.26	33.60
		Middle	2145.00	45.50	35.50
		High	2170.00	45.70	37.14
	256QAM	Low	2120.00	45.28	33.73
		Middle	2145.00	45.52	35.63
		High	2170.00	45.70	37.14

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2120.00	45.38	34.48
		Middle	2145.00	45.49	35.38
		High	2170.00	45.45	35.11
	16QAM	Low	2120.00	45.34	34.17
		Middle	2145.00	45.36	34.35
		High	2170.00	45.53	35.74
	64QAM	Low	2120.00	45.24	33.45
		Middle	2145.00	45.47	35.20
		High	2170.00	45.51	35.59
	256QAM	Low	2120.00	45.24	33.45
		Middle	2145.00	45.35	34.26
		High	2170.00	45.44	35.02
3	QPSK	Low	2120.00	45.47	35.24
		Middle	2145.00	45.87	38.65
		High	2170.00	45.58	36.16
	16QAM	Low	2120.00	45.53	35.72
		Middle	2145.00	45.87	38.64
		High	2170.00	45.66	36.84
	64QAM	Low	2120.00	45.52	35.67
		Middle	2145.00	45.86	38.52
		High	2170.00	45.59	36.21
	256QAM	Low	2120.00	45.43	34.94
		Middle	2145.00	45.80	38.05
		High	2170.00	45.60	36.30

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00	138.29	139.51	138.09	136.62
2145.00	147.84	146.76	146.45	145.10
2170.00	145.96	148.24	146.86	145.96

B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	2120.00	45.32	34.06
		Middle	2145.00	45.57	36.04
		High	2170.00	45.49	35.37
	16QAM	Low	2120.00	45.25	33.50
		Middle	2145.00	45.60	36.33
		High	2170.00	45.61	36.43
	64QAM	Low	2120.00	45.32	34.02
		Middle	2145.00	45.52	35.65
		High	2170.00	45.53	35.72
	256QAM	Low	2120.00	45.27	33.63
		Middle	2145.00	45.51	35.52
		High	2170.00	45.52	35.61
1	QPSK	Low	2120.00	45.18	32.98
		Middle	2145.00	45.35	34.27
		High	2170.00	45.38	34.50
	16QAM	Low	2120.00	45.15	32.74
		Middle	2145.00	45.43	34.90
		High	2170.00	45.47	35.26
	64QAM	Low	2120.00	45.14	32.66
		Middle	2145.00	45.31	33.95
		High	2170.00	45.38	34.52
	256QAM	Low	2120.00	45.16	32.83
		Middle	2145.00	45.37	34.44
		High	2170.00	45.34	34.20

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	2120.00	45.48	35.34
		Middle	2145.00	45.60	36.28
		High	2170.00	45.72	37.29
	16QAM	Low	2120.00	45.55	35.86
		Middle	2145.00	45.69	37.09
		High	2170.00	45.70	37.14
	64QAM	Low	2120.00	45.51	35.54
		Middle	2145.00	45.59	36.23
		High	2170.00	45.69	37.05
	256QAM	Low	2120.00	45.48	35.30
		Middle	2145.00	45.54	35.83
		High	2170.00	45.69	37.09
3	QPSK	Low	2120.00	45.12	32.49
		Middle	2145.00	45.26	33.57
		High	2170.00	45.47	35.22
	16QAM	Low	2120.00	45.11	32.46
		Middle	2145.00	45.28	33.74
		High	2170.00	45.46	35.16
	64QAM	Low	2120.00	45.14	32.64
		Middle	2145.00	45.39	34.59
		High	2170.00	45.43	34.95
	256QAM	Low	2120.00	45.10	32.33
		Middle	2145.00	45.28	33.74
		High	2170.00	45.50	35.47

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2120.00	134.88	134.56	134.86	134.09
2145.00	140.16	142.07	140.43	139.54
2170.00	142.38	144.00	142.24	142.36

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1945.00	47.79	60.16
		Middle	1962.50	47.95	62.36
		High	1980.00	48.03	63.50
	16QAM	Low	1945.00	47.84	60.83
		Middle	1962.50	47.90	61.73
		High	1980.00	48.00	63.12
	64QAM	Low	1945.00	47.79	60.15
		Middle	1962.50	47.96	62.56
		High	1980.00	48.00	63.08
	256QAM	Low	1945.00	47.77	59.88
		Middle	1962.50	47.98	62.82
		High	1980.00	47.99	63.02
1	QPSK	Low	1945.00	48.09	64.43
		Middle	1962.50	48.22	66.37
		High	1980.00	48.32	68.00
	16QAM	Low	1945.00	48.11	64.77
		Middle	1962.50	48.26	67.07
		High	1980.00	48.23	66.50
	64QAM	Low	1945.00	48.07	64.14
		Middle	1962.50	48.22	66.44
		High	1980.00	48.34	68.23
	256QAM	Low	1945.00	48.12	64.91
		Middle	1962.50	48.26	66.94
		High	1980.00	48.30	67.53

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1945.00	47.57	57.20
		Middle	1962.50	47.68	58.56
		High	1980.00	47.74	59.40
	16QAM	Low	1945.00	47.61	57.70
		Middle	1962.50	47.76	59.63
		High	1980.00	47.83	60.72
	64QAM	Low	1945.00	47.59	57.37
		Middle	1962.50	47.77	59.81
		High	1980.00	47.77	59.87
	256QAM	Low	1945.00	47.64	58.06
		Middle	1962.50	47.77	59.83
		High	1980.00	47.79	60.09
3	QPSK	Low	1945.00	47.74	59.47
		Middle	1962.50	47.86	61.04
		High	1980.00	48.00	63.04
	16QAM	Low	1945.00	47.77	59.79
		Middle	1962.50	47.83	60.66
		High	1980.00	48.06	63.93
	64QAM	Low	1945.00	47.77	59.80
		Middle	1962.50	47.86	61.12
		High	1980.00	48.04	63.62
	256QAM	Low	1945.00	47.80	60.30
		Middle	1962.50	47.86	61.07
		High	1980.00	48.06	63.94

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1945.00	241.26	243.09	241.45	243.15
1962.50	248.33	249.09	249.93	250.66
1980.00	253.94	254.27	254.80	254.59

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1945.00	47.26	53.20
		Middle	1962.50	47.43	55.28
		High	1980.00	47.57	57.20
	16QAM	Low	1945.00	47.23	52.84
		Middle	1962.50	47.41	55.14
		High	1980.00	47.52	56.43
	64QAM	Low	1945.00	47.28	53.43
		Middle	1962.50	47.41	55.07
		High	1980.00	47.52	56.53
	256QAM	Low	1945.00	47.22	52.76
		Middle	1962.50	47.43	55.27
		High	1980.00	47.57	57.20
1	QPSK	Low	1945.00	47.55	56.91
		Middle	1962.50	47.82	60.51
		High	1980.00	47.73	59.25
	16QAM	Low	1945.00	47.50	56.22
		Middle	1962.50	47.73	59.25
		High	1980.00	47.80	60.20
	64QAM	Low	1945.00	47.55	56.85
		Middle	1962.50	47.79	60.12
		High	1980.00	47.76	59.69
	256QAM	Low	1945.00	47.57	57.16
		Middle	1962.50	47.75	59.61
		High	1980.00	47.73	59.27

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1945.00	47.42	55.14
		Middle	1962.50	47.39	54.79
		High	1980.00	47.28	53.39
	16QAM	Low	1945.00	47.31	53.84
		Middle	1962.50	47.35	54.36
		High	1980.00	47.28	53.51
	64QAM	Low	1945.00	47.43	55.35
		Middle	1962.50	47.42	55.14
		High	1980.00	47.22	52.74
	256QAM	Low	1945.00	47.36	54.44
		Middle	1962.50	47.40	54.97
		High	1980.00	47.27	53.28
3	QPSK	Low	1945.00	47.40	54.98
		Middle	1962.50	47.62	57.81
		High	1980.00	47.53	56.62
	16QAM	Low	1945.00	47.45	55.56
		Middle	1962.50	47.54	56.70
		High	1980.00	47.50	56.27
	64QAM	Low	1945.00	47.44	55.46
		Middle	1962.50	47.59	57.44
		High	1980.00	47.53	56.64
	256QAM	Low	1945.00	47.44	55.49
		Middle	1962.50	47.59	57.42
		High	1980.00	47.49	56.04

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1945.00	220.23	218.47	221.09	219.85
1962.50	228.39	225.46	227.77	227.27
1980.00	226.47	226.41	225.59	225.79

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1952.50	47.82	60.53
		Middle	1962.50	47.57	57.15
		High	1972.50	47.64	58.13
	16QAM	Low	1952.50	47.80	60.20
		Middle	1962.50	47.62	57.84
		High	1972.50	47.68	58.67
	64QAM	Low	1952.50	47.67	58.48
		Middle	1962.50	47.56	57.07
		High	1972.50	47.65	58.21
	256QAM	Low	1952.50	47.45	55.62
		Middle	1962.50	47.56	57.03
		High	1972.50	47.66	58.32
1	QPSK	Low	1952.50	47.70	58.86
		Middle	1962.50	47.77	59.87
		High	1972.50	47.81	60.37
	16QAM	Low	1952.50	47.74	59.43
		Middle	1962.50	47.81	60.34
		High	1972.50	47.85	60.93
	64QAM	Low	1952.50	47.72	59.10
		Middle	1962.50	47.80	60.24
		High	1972.50	47.85	60.93
	256QAM	Low	1952.50	47.75	59.58
		Middle	1962.50	47.79	60.19
		High	1972.50	47.84	60.79

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1952.50	47.23	52.89
		Middle	1962.50	47.35	54.33
		High	1972.50	47.36	54.39
	16QAM	Low	1952.50	47.31	53.84
		Middle	1962.50	47.39	54.85
		High	1972.50	47.46	55.68
	64QAM	Low	1952.50	47.31	53.86
		Middle	1962.50	47.36	54.50
		High	1972.50	47.41	55.03
	256QAM	Low	1952.50	47.33	54.10
		Middle	1962.50	47.41	55.09
		High	1972.50	47.40	55.00
3	QPSK	Low	1952.50	47.50	56.23
		Middle	1962.50	47.51	56.39
		High	1972.50	47.57	57.10
	16QAM	Low	1952.50	47.51	56.39
		Middle	1962.50	47.57	57.12
		High	1972.50	47.57	57.17
	64QAM	Low	1952.50	47.54	56.69
		Middle	1962.50	47.55	56.90
		High	1972.50	47.56	57.08
	256QAM	Low	1952.50	47.54	56.77
		Middle	1962.50	47.58	57.25
		High	1972.50	47.54	56.73

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1952.50	228.52	229.86	228.13	226.06
1962.50	227.73	230.15	228.71	229.56
1972.50	229.98	232.45	231.25	230.84

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	1952.50	47.29	53.63
		Middle	1962.50	47.49	56.12
		High	1972.50	47.42	55.22
	16QAM	Low	1952.50	47.33	54.08
		Middle	1962.50	47.49	56.13
		High	1972.50	47.41	55.07
	64QAM	Low	1952.50	47.32	53.90
		Middle	1962.50	47.49	56.17
		High	1972.50	47.37	54.64
	256QAM	Low	1952.50	47.33	54.05
		Middle	1962.50	47.49	56.04
		High	1972.50	47.40	54.92
1	QPSK	Low	1952.50	47.65	58.18
		Middle	1962.50	47.74	59.47
		High	1972.50	47.68	58.60
	16QAM	Low	1952.50	47.65	58.14
		Middle	1962.50	47.79	60.06
		High	1972.50	47.70	58.88
	64QAM	Low	1952.50	47.66	58.30
		Middle	1962.50	47.77	59.81
		High	1972.50	47.73	59.32
	256QAM	Low	1952.50	47.66	58.40
		Middle	1962.50	47.74	59.43
		High	1972.50	47.74	59.39

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	1952.50	47.20	52.43
		Middle	1962.50	47.31	53.79
		High	1972.50	47.21	52.63
	16QAM	Low	1952.50	47.15	51.93
		Middle	1962.50	47.29	53.53
		High	1972.50	47.22	52.72
	64QAM	Low	1952.50	47.20	52.50
		Middle	1962.50	47.32	53.91
		High	1972.50	47.27	53.28
	256QAM	Low	1952.50	47.24	52.95
		Middle	1962.50	47.28	53.51
		High	1972.50	47.23	52.84
3	QPSK	Low	1952.50	47.38	54.65
		Middle	1962.50	47.43	55.30
		High	1972.50	47.51	56.42
	16QAM	Low	1952.50	47.39	54.80
		Middle	1962.50	47.44	55.44
		High	1972.50	47.53	56.64
	64QAM	Low	1952.50	47.43	55.39
		Middle	1962.50	47.42	55.22
		High	1972.50	47.51	56.31
	256QAM	Low	1952.50	47.45	55.59
		Middle	1962.50	47.44	55.46
		High	1972.50	47.49	56.09

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1952.50	218.90	218.95	220.10	220.99
1962.50	224.67	225.16	225.12	224.44
1972.50	222.86	223.31	223.55	223.24

Tabular Data of RF Non-Contiguous output power

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1932.50 + 1985.00	46.81	48.03
	16QAM	1932.50 + 1985.00	46.84	48.35
	64QAM	1932.50 + 1985.00	46.74	47.23
	256QAM	1932.50 + 1985.00	46.76	47.42
1	QPSK	1932.50 + 1985.00	47.13	51.69
	16QAM	1932.50 + 1985.00	47.12	51.49
	64QAM	1932.50 + 1985.00	47.10	51.27
	256QAM	1932.50 + 1985.00	47.13	51.61
2	QPSK	1932.50 + 1985.00	46.58	45.50
	16QAM	1932.50 + 1985.00	46.54	45.12
	64QAM	1932.50 + 1985.00	46.58	45.50
	256QAM	1932.50 + 1985.00	46.59	45.61
3	QPSK	1932.50 + 1985.00	46.78	47.63
	16QAM	1932.50 + 1985.00	46.72	46.95
	64QAM	1932.50 + 1985.00	46.82	48.11
	256QAM	1932.50 + 1985.00	46.86	48.58

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50 + 1985.00	192.85	191.92	192.11	193.22

B25 LTE 10 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1935.00 + 1985.00	47.42	55.17
	16QAM	1935.00 + 1985.00	47.48	56.00
	64QAM	1935.00 + 1985.00	47.38	54.76
	256QAM	1935.00 + 1985.00	47.48	55.96
1	QPSK	1935.00 + 1985.00	47.79	60.07
	16QAM	1935.00 + 1985.00	47.74	59.45
	64QAM	1935.00 + 1985.00	47.83	60.64
	256QAM	1935.00 + 1985.00	47.75	59.60
2	QPSK	1935.00 + 1985.00	47.26	53.16
	16QAM	1935.00 + 1985.00	47.33	54.02
	64QAM	1935.00 + 1985.00	47.29	53.56
	256QAM	1935.00 + 1985.00	47.24	52.92
3	QPSK	1935.00 + 1985.00	47.47	55.88
	16QAM	1935.00 + 1985.00	47.47	55.88
	64QAM	1935.00 + 1985.00	47.42	55.24
	256QAM	1935.00 + 1985.00	47.43	55.28

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	224.27	225.35	224.20	223.77

B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1935.00 + 1985.00	47.42	55.17
	16QAM	1935.00 + 1985.00	47.48	56.00
	64QAM	1935.00 + 1985.00	47.38	54.76
	256QAM	1935.00 + 1985.00	47.48	55.96
1	QPSK	1935.00 + 1985.00	47.79	60.07
	16QAM	1935.00 + 1985.00	47.74	59.45
	64QAM	1935.00 + 1985.00	47.83	60.64
	256QAM	1935.00 + 1985.00	47.75	59.60
2	QPSK	1935.00 + 1985.00	47.26	53.16
	16QAM	1935.00 + 1985.00	47.33	54.02
	64QAM	1935.00 + 1985.00	47.29	53.56
	256QAM	1935.00 + 1985.00	47.24	52.92
3	QPSK	1935.00 + 1985.00	47.47	55.88
	16QAM	1935.00 + 1985.00	47.47	55.88
	64QAM	1935.00 + 1985.00	47.42	55.24
	256QAM	1935.00 + 1985.00	47.43	55.28

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	224.27	225.35	224.20	223.77

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1940.00 + 1990.00	47.59	57.38
	16QAM	1940.00 + 1990.00	47.53	56.65
	64QAM	1940.00 + 1990.00	47.62	57.75
	256QAM	1940.00 + 1990.00	47.61	57.63
1	QPSK	1940.00 + 1990.00	47.89	61.46
	16QAM	1940.00 + 1990.00	48.00	63.12
	64QAM	1940.00 + 1990.00	47.94	62.23
	256QAM	1940.00 + 1990.00	47.93	62.06
2	QPSK	1940.00 + 1990.00	47.18	52.27
	16QAM	1940.00 + 1990.00	47.19	52.39
	64QAM	1940.00 + 1990.00	47.18	52.26
	256QAM	1940.00 + 1990.00	47.20	52.42
3	QPSK	1940.00 + 1990.00	47.53	56.67
	16QAM	1940.00 + 1990.00	47.53	56.65
	64QAM	1940.00 + 1990.00	47.50	56.26
	256QAM	1940.00 + 1990.00	47.54	56.80

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1940.00 + 1990.00	227.79	228.82	228.50	228.91

B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1935.00 + 1985.00	47.40	54.90
	16QAM	1935.00 + 1985.00	47.31	53.87
	64QAM	1935.00 + 1985.00	47.35	54.37
	256QAM	1935.00 + 1985.00	47.40	54.95
1	QPSK	1935.00 + 1985.00	47.60	57.53
	16QAM	1935.00 + 1985.00	47.63	57.88
	64QAM	1935.00 + 1985.00	47.56	56.97
	256QAM	1935.00 + 1985.00	47.60	57.58
2	QPSK	1935.00 + 1985.00	47.21	52.61
	16QAM	1935.00 + 1985.00	47.16	52.01
	64QAM	1935.00 + 1985.00	47.16	51.98
	256QAM	1935.00 + 1985.00	47.18	52.21
3	QPSK	1935.00 + 1985.00	47.48	55.98
	16QAM	1935.00 + 1985.00	47.41	55.06
	64QAM	1935.00 + 1985.00	47.40	54.93
	256QAM	1935.00 + 1985.00	47.42	55.26

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	221.02	218.82	218.26	220.01

B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1937.50 + 1985.00	47.57	57.12
	16QAM	1937.50 + 1985.00	47.59	57.40
	64QAM	1937.50 + 1985.00	47.57	57.09
	256QAM	1937.50 + 1985.00	47.32	53.91
1	QPSK	1937.50 + 1985.00	47.90	61.60
	16QAM	1937.50 + 1985.00	47.90	61.71
	64QAM	1937.50 + 1985.00	47.93	62.09
	256QAM	1937.50 + 1985.00	47.93	62.06
2	QPSK	1937.50 + 1985.00	47.27	53.28
	16QAM	1937.50 + 1985.00	47.37	54.62
	64QAM	1937.50 + 1985.00	47.36	54.40
	256QAM	1937.50 + 1985.00	47.33	54.03
3	QPSK	1937.50 + 1985.00	47.57	57.13
	16QAM	1937.50 + 1985.00	47.56	57.07
	64QAM	1937.50 + 1985.00	47.63	57.88
	256QAM	1937.50 + 1985.00	47.67	58.47

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1937.50 + 1985.00	229.13	230.79	231.47	228.47

B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1940.00 + 1985.00	47.53	56.65
	16QAM	1940.00 + 1985.00	47.61	57.65
	64QAM	1940.00 + 1985.00	47.56	57.01
	256QAM	1940.00 + 1985.00	47.57	57.13
1	QPSK	1940.00 + 1985.00	47.89	61.56
	16QAM	1940.00 + 1985.00	47.92	61.93
	64QAM	1940.00 + 1985.00	47.95	62.41
	256QAM	1940.00 + 1985.00	47.89	61.53
2	QPSK	1940.00 + 1985.00	47.31	53.77
	16QAM	1940.00 + 1985.00	47.36	54.42
	64QAM	1940.00 + 1985.00	47.38	54.69
	256QAM	1940.00 + 1985.00	47.38	54.76
3	QPSK	1940.00 + 1985.00	47.57	57.20
	16QAM	1940.00 + 1985.00	47.59	57.38
	64QAM	1940.00 + 1985.00	47.62	57.87
	256QAM	1940.00 + 1985.00	47.64	58.03

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1940.00 + 1985.00	229.19	231.38	231.99	231.45

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1940.00 + 1985.00	47.46	55.77
	16QAM	1940.00 + 1985.00	47.47	55.88
	64QAM	1940.00 + 1985.00	47.49	56.06
	256QAM	1940.00 + 1985.00	47.50	56.18
1	QPSK	1940.00 + 1985.00	47.82	60.55
	16QAM	1940.00 + 1985.00	47.72	59.10
	64QAM	1940.00 + 1985.00	47.75	59.58
	256QAM	1940.00 + 1985.00	47.80	60.27
2	QPSK	1940.00 + 1985.00	47.26	53.27
	16QAM	1940.00 + 1985.00	47.29	53.54
	64QAM	1940.00 + 1985.00	47.27	53.35
	256QAM	1940.00 + 1985.00	47.28	53.52
3	QPSK	1940.00 + 1985.00	47.55	56.87
	16QAM	1940.00 + 1985.00	47.54	56.80
	64QAM	1940.00 + 1985.00	47.54	56.70
	256QAM	1940.00 + 1985.00	47.51	56.41

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1940.00 + 1985.00	226.46	225.32	225.69	226.38

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1940.00 + 1985.00	47.34	54.26
	16QAM	1940.00 + 1985.00	47.41	55.06
	64QAM	1940.00 + 1985.00	47.36	54.42
	256QAM	1940.00 + 1985.00	47.37	54.59
1	QPSK	1940.00 + 1985.00	47.60	57.52
	16QAM	1940.00 + 1985.00	47.57	57.18
	64QAM	1940.00 + 1985.00	47.62	57.84
	256QAM	1940.00 + 1985.00	47.61	57.61
2	QPSK	1940.00 + 1985.00	47.12	51.48
	16QAM	1940.00 + 1985.00	47.21	52.58
	64QAM	1940.00 + 1985.00	47.17	52.09
	256QAM	1940.00 + 1985.00	47.18	52.21
3	QPSK	1940.00 + 1985.00	47.38	54.76
	16QAM	1940.00 + 1985.00	47.36	54.48
	64QAM	1940.00 + 1985.00	47.42	55.20
	256QAM	1940.00 + 1985.00	47.44	55.44

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1940.00 + 1985.00	218.02	219.30	219.56	219.86

B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2115.00 + 2177.50	44.18	26.19
	16QAM	2115.00 + 2177.50	44.18	26.16
	64QAM	2115.00 + 2177.50	44.14	25.94
	256QAM	2115.00 + 2177.50	44.23	26.46
1	QPSK	2115.00 + 2177.50	44.21	26.36
	16QAM	2115.00 + 2177.50	44.18	26.18
	64QAM	2115.00 + 2177.50	44.30	26.89
	256QAM	2115.00 + 2177.50	44.22	26.45
2	QPSK	2115.00 + 2177.50	44.07	25.54
	16QAM	2115.00 + 2177.50	44.14	25.94
	64QAM	2115.00 + 2177.50	44.16	26.05
	256QAM	2115.00 + 2177.50	44.16	26.07
3	QPSK	2115.00 + 2177.50	44.27	26.72
	16QAM	2115.00 + 2177.50	44.25	26.58
	64QAM	2115.00 + 2177.50	44.21	26.38
	256QAM	2115.00 + 2177.50	44.29	26.88

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2115.00 + 2177.50	104.82	104.87	105.27	105.86

B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2112.50 + 2175.00	44.07	25.50
	16QAM	2112.50 + 2175.00	44.21	26.34
	64QAM	2112.50 + 2175.00	44.08	25.58
	256QAM	2112.50 + 2175.00	44.02	25.23
1	QPSK	2112.50 + 2175.00	44.28	26.77
	16QAM	2112.50 + 2175.00	44.36	27.27
	64QAM	2112.50 + 2175.00	44.22	26.45
	256QAM	2112.50 + 2175.00	44.21	26.35
2	QPSK	2112.50 + 2175.00	44.16	26.07
	16QAM	2112.50 + 2175.00	44.16	26.08
	64QAM	2112.50 + 2175.00	44.12	25.83
	256QAM	2112.50 + 2175.00	44.17	26.12
3	QPSK	2112.50 + 2175.00	44.07	25.53
	16QAM	2112.50 + 2175.00	44.15	26.01
	64QAM	2112.50 + 2175.00	44.18	26.16
	256QAM	2112.50 + 2175.00	44.17	26.10

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	103.87	105.70	104.02	103.81

B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2112.50 + 2170.00	45.99	39.70
	16QAM	2112.50 + 2170.00	45.87	38.60
	64QAM	2112.50 + 2170.00	46.05	40.24
	256QAM	2112.50 + 2170.00	45.92	39.05
1	QPSK	2112.50 + 2170.00	45.68	36.99
	16QAM	2112.50 + 2170.00	45.63	36.55
	64QAM	2112.50 + 2170.00	45.69	37.10
	256QAM	2112.50 + 2170.00	45.61	36.41
2	QPSK	2112.50 + 2170.00	45.50	35.50
	16QAM	2112.50 + 2170.00	45.52	35.64
	64QAM	2112.50 + 2170.00	45.47	35.24
	256QAM	2112.50 + 2170.00	45.51	35.55
3	QPSK	2112.50 + 2170.00	45.55	35.90
	16QAM	2112.50 + 2170.00	45.56	35.96
	64QAM	2112.50 + 2170.00	45.56	35.94
	256QAM	2112.50 + 2170.00	45.49	35.44

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50 + 2170.00	148.10	146.76	148.53	146.45

B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2112.50 + 2170.00	45.57	36.02
	16QAM	2112.50 + 2170.00	45.61	36.35
	64QAM	2112.50 + 2170.00	45.65	36.70
	256QAM	2112.50 + 2170.00	45.55	35.86
1	QPSK	2112.50 + 2170.00	45.38	34.48
	16QAM	2112.50 + 2170.00	45.48	35.34
	64QAM	2112.50 + 2170.00	45.47	35.25
	256QAM	2112.50 + 2170.00	45.45	35.09
2	QPSK	2112.50 + 2170.00	45.43	34.92
	16QAM	2112.50 + 2170.00	45.57	36.06
	64QAM	2112.50 + 2170.00	45.48	35.33
	256QAM	2112.50 + 2170.00	45.49	35.42
3	QPSK	2112.50 + 2170.00	45.54	35.84
	16QAM	2112.50 + 2170.00	45.49	35.44
	64QAM	2112.50 + 2170.00	45.60	36.34
	256QAM	2112.50 + 2170.00	45.56	35.96

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2112.50 + 2170.00	141.27	143.20	143.63	142.34

B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2115.00 + 2175.00	45.42	34.85
	16QAM	2115.00 + 2175.00	45.55	35.88
	64QAM	2115.00 + 2175.00	45.45	35.08
	256QAM	2115.00 + 2175.00	45.47	35.25
1	QPSK	2115.00 + 2175.00	45.51	35.58
	16QAM	2115.00 + 2175.00	45.51	35.56
	64QAM	2115.00 + 2175.00	45.57	36.08
	256QAM	2115.00 + 2175.00	45.46	35.17
2	QPSK	2115.00 + 2175.00	45.34	34.21
	16QAM	2115.00 + 2175.00	45.43	34.92
	64QAM	2115.00 + 2175.00	45.38	34.55
	256QAM	2115.00 + 2175.00	45.45	35.06
3	QPSK	2115.00 + 2175.00	45.35	34.24
	16QAM	2115.00 + 2175.00	45.62	36.49
	64QAM	2115.00 + 2175.00	45.59	36.25
	256QAM	2115.00 + 2175.00	45.53	35.75

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	138.88	142.85	141.96	141.25

B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2115.00 + 2175.00	45.37	34.43
	16QAM	2115.00 + 2175.00	45.21	33.21
	64QAM	2115.00 + 2175.00	45.41	34.75
	256QAM	2115.00 + 2175.00	45.39	34.60
1	QPSK	2115.00 + 2175.00	45.46	35.14
	16QAM	2115.00 + 2175.00	45.33	34.14
	64QAM	2115.00 + 2175.00	45.44	34.96
	256QAM	2115.00 + 2175.00	45.50	35.52
2	QPSK	2115.00 + 2175.00	45.39	34.58
	16QAM	2115.00 + 2175.00	45.29	33.78
	64QAM	2115.00 + 2175.00	45.28	33.69
	256QAM	2115.00 + 2175.00	45.34	34.17
3	QPSK	2115.00 + 2175.00	45.50	35.51
	16QAM	2115.00 + 2175.00	45.57	36.03
	64QAM	2115.00 + 2175.00	45.56	35.96
	256QAM	2115.00 + 2175.00	45.56	35.96

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	139.66	137.16	139.37	140.25

B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	2115.00 + 2175.00	45.29	33.77
	16QAM	2115.00 + 2175.00	45.31	33.93
	64QAM	2115.00 + 2175.00	45.38	34.49
	256QAM	2115.00 + 2175.00	45.26	33.59
1	QPSK	2115.00 + 2175.00	45.18	32.93
	16QAM	2115.00 + 2175.00	45.21	33.16
	64QAM	2115.00 + 2175.00	45.16	32.78
	256QAM	2115.00 + 2175.00	45.27	33.64
2	QPSK	2115.00 + 2175.00	45.12	32.50
	16QAM	2115.00 + 2175.00	45.18	32.99
	64QAM	2115.00 + 2175.00	45.10	32.33
	256QAM	2115.00 + 2175.00	45.15	32.73
3	QPSK	2115.00 + 2175.00	45.40	34.69
	16QAM	2115.00 + 2175.00	45.39	34.57
	64QAM	2115.00 + 2175.00	45.38	34.53
	256QAM	2115.00 + 2175.00	45.44	34.98

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	133.89	134.66	134.13	134.94

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1932.50 + (1972.50 + 1985.00)	47.47	55.86
	16QAM	1932.50 + (1972.50 + 1985.00)	47.64	58.09
	64QAM	1932.50 + (1972.50 + 1985.00)	47.54	56.69
	256QAM	1932.50 + (1972.50 + 1985.00)	47.58	57.31
1	QPSK	1932.50 + (1972.50 + 1985.00)	47.81	60.43
	16QAM	1932.50 + (1972.50 + 1985.00)	47.81	60.44
	64QAM	1932.50 + (1972.50 + 1985.00)	47.88	61.43
	256QAM	1932.50 + (1972.50 + 1985.00)	47.86	61.12
2	QPSK	1932.50 + (1972.50 + 1985.00)	47.31	53.84
	16QAM	1932.50 + (1972.50 + 1985.00)	47.27	53.36
	64QAM	1932.50 + (1972.50 + 1985.00)	47.24	52.93
	256QAM	1932.50 + (1972.50 + 1985.00)	47.23	52.89
3	QPSK	1932.50 + (1972.50 + 1985.00)	47.55	56.91
	16QAM	1932.50 + (1972.50 + 1985.00)	47.53	56.65
	64QAM	1932.50 + (1972.50 + 1985.00)	47.54	56.79
	256QAM	1932.50 + (1972.50 + 1985.00)	47.52	56.55

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50 + (1972.50 + 1985.00)	227.04	228.55	227.85	227.87

B25 LTE 20 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	(1940.00 + 1952.50) + 1992.50	47.46	55.72
	16QAM	(1940.00 + 1952.50) + 1992.50	47.43	55.34
	64QAM	(1940.00 + 1952.50) + 1992.50	47.45	55.55
	256QAM	(1940.00 + 1952.50) + 1992.50	47.47	55.91
1	QPSK	(1940.00 + 1952.50) + 1992.50	47.84	60.85
	16QAM	(1940.00 + 1952.50) + 1992.50	47.79	60.11
	64QAM	(1940.00 + 1952.50) + 1992.50	47.82	60.54
	256QAM	(1940.00 + 1952.50) + 1992.50	47.89	61.51
2	QPSK	(1940.00 + 1952.50) + 1992.50	47.37	54.57
	16QAM	(1940.00 + 1952.50) + 1992.50	47.40	54.98
	64QAM	(1940.00 + 1952.50) + 1992.50	47.38	54.73
	256QAM	(1940.00 + 1952.50) + 1992.50	47.40	54.96
3	QPSK	(1940.00 + 1952.50) + 1992.50	47.61	57.68
	16QAM	(1940.00 + 1952.50) + 1992.50	47.52	56.46
	64QAM	(1940.00 + 1952.50) + 1992.50	47.59	57.35
	256QAM	(1940.00 + 1952.50) + 1992.50	47.61	57.66

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(1940.00 + 1952.50) + 1992.50	228.82	226.89	228.18	230.05

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1932.50 + (1972.50 + 1985.00)	47.43	55.39
	16QAM	1932.50 + (1972.50 + 1985.00)	47.45	55.59
	64QAM	1932.50 + (1972.50 + 1985.00)	47.51	56.32
	256QAM	1932.50 + (1972.50 + 1985.00)	47.46	55.74
1	QPSK	1932.50 + (1972.50 + 1985.00)	47.66	58.38
	16QAM	1932.50 + (1972.50 + 1985.00)	47.64	58.09
	64QAM	1932.50 + (1972.50 + 1985.00)	47.65	58.18
	256QAM	1932.50 + (1972.50 + 1985.00)	47.72	59.22
2	QPSK	1932.50 + (1972.50 + 1985.00)	47.16	52.06
	16QAM	1932.50 + (1972.50 + 1985.00)	47.18	52.22
	64QAM	1932.50 + (1972.50 + 1985.00)	47.27	53.36
	256QAM	1932.50 + (1972.50 + 1985.00)	47.21	52.61
3	QPSK	1932.50 + (1972.50 + 1985.00)	47.45	55.55
	16QAM	1932.50 + (1972.50 + 1985.00)	47.43	55.35
	64QAM	1932.50 + (1972.50 + 1985.00)	47.49	56.09
	256QAM	1932.50 + (1972.50 + 1985.00)	47.47	55.85

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50 + (1972.50 + 1985.00)	221.39	221.25	223.97	223.42

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (2C+1C)

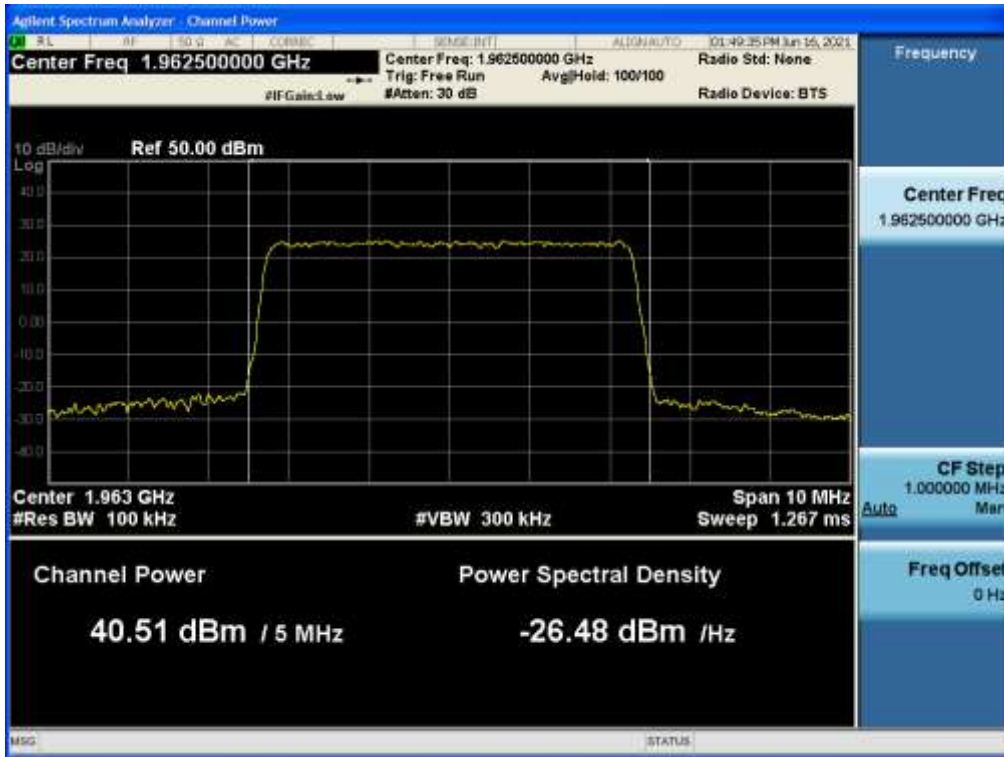| Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	(1932.50 + 1937.50) + 1985.00	47.50	56.23
	16QAM	(1932.50 + 1937.50) + 1985.00	47.47	55.79
	64QAM	(1932.50 + 1937.50) + 1985.00	47.54	56.78
	256QAM	(1932.50 + 1937.50) + 1985.00	47.47	55.86
1	QPSK	(1932.50 + 1937.50) + 1985.00	47.75	59.54
	16QAM	(1932.50 + 1937.50) + 1985.00	47.82	60.48
	64QAM	(1932.50 + 1937.50) + 1985.00	47.75	59.53
	256QAM	(1932.50 + 1937.50) + 1985.00	47.83	60.62
2	QPSK	(1932.50 + 1937.50) + 1985.00	47.04	50.61
	16QAM	(1932.50 + 1937.50) + 1985.00	47.02	50.31
	64QAM	(1932.50 + 1937.50) + 1985.00	47.03	50.50
	256QAM	(1932.50 + 1937.50) + 1985.00	47.01	50.24
3	QPSK	(1932.50 + 1937.50) + 1985.00	47.37	54.58
	16QAM	(1932.50 + 1937.50) + 1985.00	47.41	55.09
	64QAM	(1932.50 + 1937.50) + 1985.00	47.39	54.84
	256QAM	(1932.50 + 1937.50) + 1985.00	47.39	54.80

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(1932.50 + 1937.50) + 1985.00	220.96	221.67	221.66	221.54

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1932.50 + (1965.00 + 1985.00)	47.50	56.29
	16QAM	1932.50 + (1965.00 + 1985.00)	47.57	57.11
	64QAM	1932.50 + (1965.00 + 1985.00)	47.51	56.31
	256QAM	1932.50 + (1965.00 + 1985.00)	47.53	56.68
1	QPSK	1932.50 + (1965.00 + 1985.00)	47.83	60.66
	16QAM	1932.50 + (1965.00 + 1985.00)	47.88	61.39
	64QAM	1932.50 + (1965.00 + 1985.00)	47.87	61.21
	256QAM	1932.50 + (1965.00 + 1985.00)	47.88	61.41
2	QPSK	1932.50 + (1965.00 + 1985.00)	47.33	54.04
	16QAM	1932.50 + (1965.00 + 1985.00)	47.40	54.98
	64QAM	1932.50 + (1965.00 + 1985.00)	47.35	54.34
	256QAM	1932.50 + (1965.00 + 1985.00)	47.37	54.60
3	QPSK	1932.50 + (1965.00 + 1985.00)	47.56	57.03
	16QAM	1932.50 + (1965.00 + 1985.00)	47.64	58.11
	64QAM	1932.50 + (1965.00 + 1985.00)	47.53	56.65
	256QAM	1932.50 + (1965.00 + 1985.00)	47.53	56.58

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50 + (1965.00 + 1985.00)	228.03	231.60	228.51	229.26

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	(1932.50 + 1945.00) + 1985.00	47.42	55.24
	16QAM	(1932.50 + 1945.00) + 1985.00	47.47	55.86
	64QAM	(1932.50 + 1945.00) + 1985.00	47.48	55.91
	256QAM	(1932.50 + 1945.00) + 1985.00	47.46	55.75
1	QPSK	(1932.50 + 1945.00) + 1985.00	47.86	61.05
	16QAM	(1932.50 + 1945.00) + 1985.00	47.83	60.61
	64QAM	(1932.50 + 1945.00) + 1985.00	47.90	61.61
	256QAM	(1932.50 + 1945.00) + 1985.00	47.89	61.45
2	QPSK	(1932.50 + 1945.00) + 1985.00	47.43	55.38
	16QAM	(1932.50 + 1945.00) + 1985.00	47.38	54.65
	64QAM	(1932.50 + 1945.00) + 1985.00	47.43	55.30
	256QAM	(1932.50 + 1945.00) + 1985.00	47.40	54.98
3	QPSK	(1932.50 + 1945.00) + 1985.00	47.58	57.32
	16QAM	(1932.50 + 1945.00) + 1985.00	47.60	57.60
	64QAM	(1932.50 + 1945.00) + 1985.00	47.64	58.04
	256QAM	(1932.50 + 1945.00) + 1985.00	47.64	58.11

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(1932.50 + 1945.00) + 1985.00	228.99	228.73	230.86	230.28

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	1932.50 + (1965.00 + 1985.00)	47.40	54.91
	16QAM	1932.50 + (1965.00 + 1985.00)	47.36	54.44
	64QAM	1932.50 + (1965.00 + 1985.00)	47.38	54.72
	256QAM	1932.50 + (1965.00 + 1985.00)	47.38	54.65
1	QPSK	1932.50 + (1965.00 + 1985.00)	47.62	57.87
	16QAM	1932.50 + (1965.00 + 1985.00)	47.59	57.42
	64QAM	1932.50 + (1965.00 + 1985.00)	47.60	57.56
	256QAM	1932.50 + (1965.00 + 1985.00)	47.60	57.59
2	QPSK	1932.50 + (1965.00 + 1985.00)	47.03	50.52
	16QAM	1932.50 + (1965.00 + 1985.00)	47.02	50.41
	64QAM	1932.50 + (1965.00 + 1985.00)	47.07	50.97
	256QAM	1932.50 + (1965.00 + 1985.00)	47.11	51.36
3	QPSK	1932.50 + (1965.00 + 1985.00)	47.31	53.77
	16QAM	1932.50 + (1965.00 + 1985.00)	47.22	52.74
	64QAM	1932.50 + (1965.00 + 1985.00)	47.27	53.37
	256QAM	1932.50 + (1965.00 + 1985.00)	47.27	53.36

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1932.50 + (1965.00 + 1985.00)	217.07	215.00	216.62	216.97

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	(1932.50 + 1945.00) + 1985.00	47.34	54.24
	16QAM	(1932.50 + 1945.00) + 1985.00	47.43	55.28
	64QAM	(1932.50 + 1945.00) + 1985.00	47.38	54.70
	256QAM	(1932.50 + 1945.00) + 1985.00	47.39	54.82
1	QPSK	(1932.50 + 1945.00) + 1985.00	47.59	57.44
	16QAM	(1932.50 + 1945.00) + 1985.00	47.61	57.62
	64QAM	(1932.50 + 1945.00) + 1985.00	47.62	57.83
	256QAM	(1932.50 + 1945.00) + 1985.00	47.62	57.75
2	QPSK	(1932.50 + 1945.00) + 1985.00	47.14	51.77
	16QAM	(1932.50 + 1945.00) + 1985.00	47.18	52.29
	64QAM	(1932.50 + 1945.00) + 1985.00	47.14	51.82
	256QAM	(1932.50 + 1945.00) + 1985.00	47.17	52.16
3	QPSK	(1932.50 + 1945.00) + 1985.00	47.38	54.65
	16QAM	(1932.50 + 1945.00) + 1985.00	47.34	54.23
	64QAM	(1932.50 + 1945.00) + 1985.00	47.34	54.24
	256QAM	(1932.50 + 1945.00) + 1985.00	47.37	54.52

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(1932.50 + 1945.00) + 1985.00	218.11	219.43	218.60	219.26

Plot Data of RF Output Power

Antenna 1 / B25 LTE 5 MHz 1 Carrier / 64QAM / Middle

Antenna 1 / B25 LTE 10 MHz 1 Carrier / QPSK / Low

Antenna 1 / B25 LTE 15 MHz 1 Carrier / 16QAM / Middle

Antenna 1 / B25 LTE 20 MHz 1 Carrier / 16QAM / High

Antenna 1 / B66 LTE 5 MHz 1 Carrier / QPSK / High

Antenna 1 / B66 LTE 10 MHz 1 Carrier / QPSK / High

Antenna 0 / B66 LTE 15 MHz 1 Carrier / 16QAM / Middle

Antenna 0 / B66 LTE 20 MHz 1 Carrier / 16QAM / Middle

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High

Antenna 1 / B25 LTE 10 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High

Antenna 1 / B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Low

Antenna 1 / B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / 256QAM / Middle

Antenna 1 / B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low

Antenna 1 / B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / QPSK / High

Antenna 3 / B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle

Antenna 3 / B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle

Antenna 2 / B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / QPSK / High

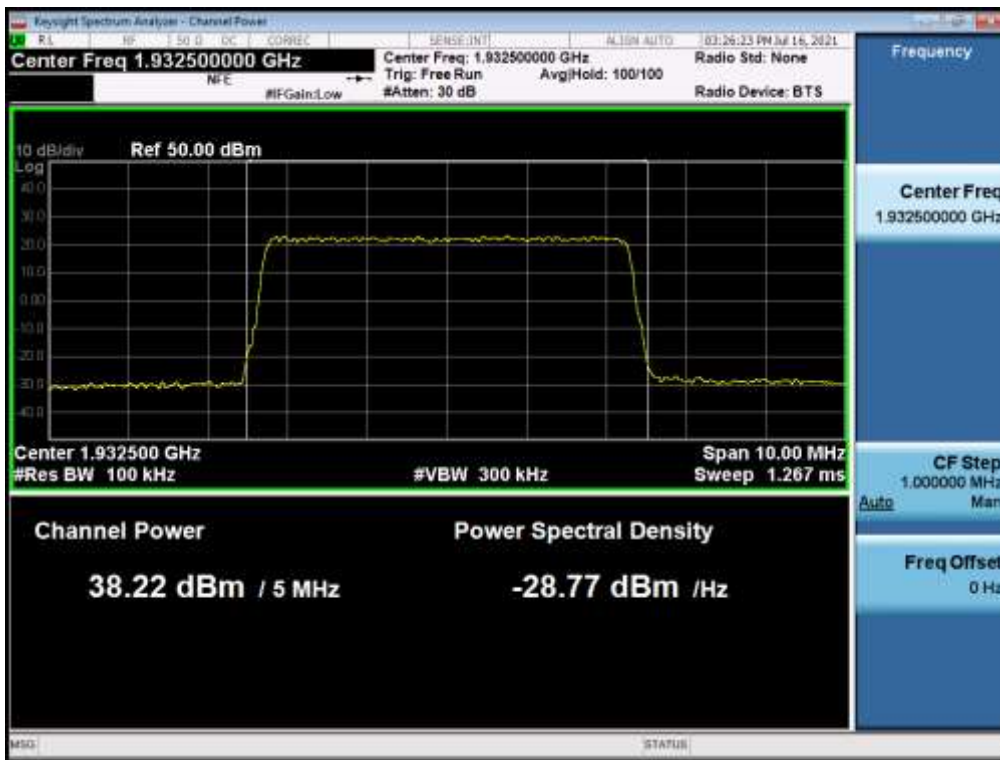**Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / High**

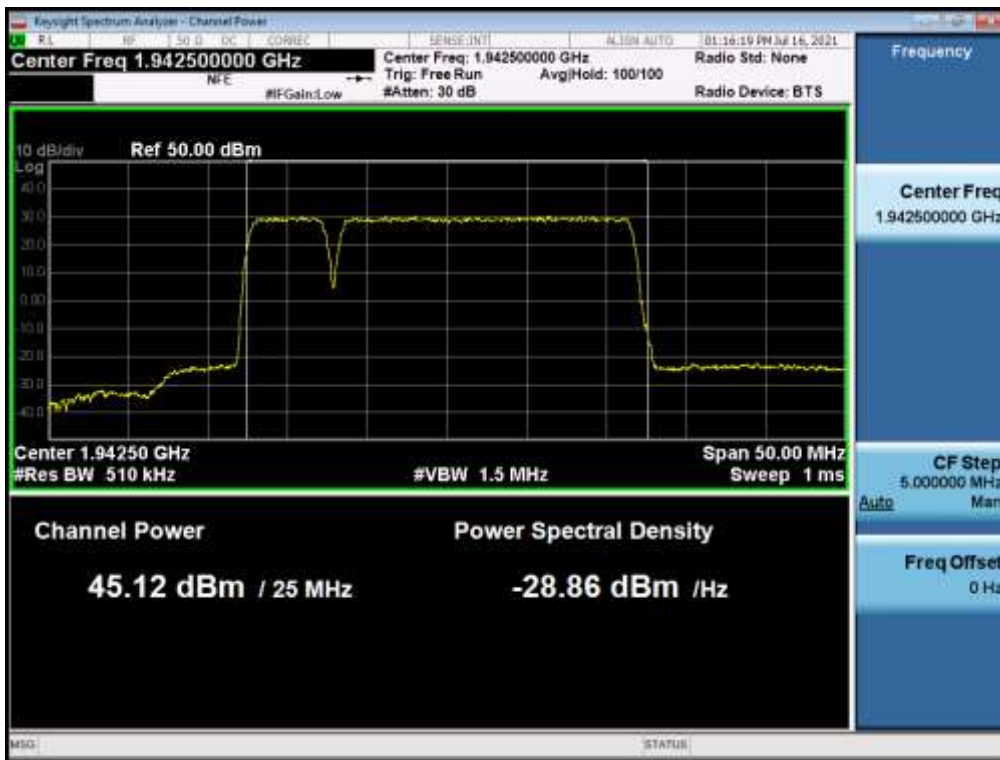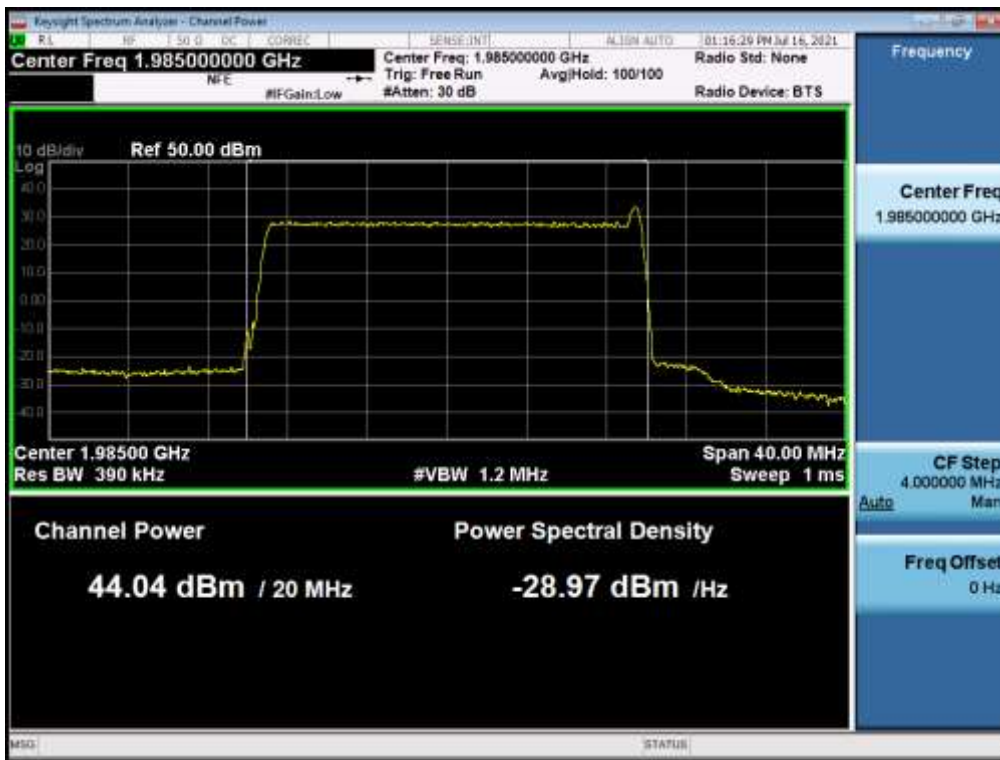**Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] / Contiguous / QPSK / Middle**

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / High
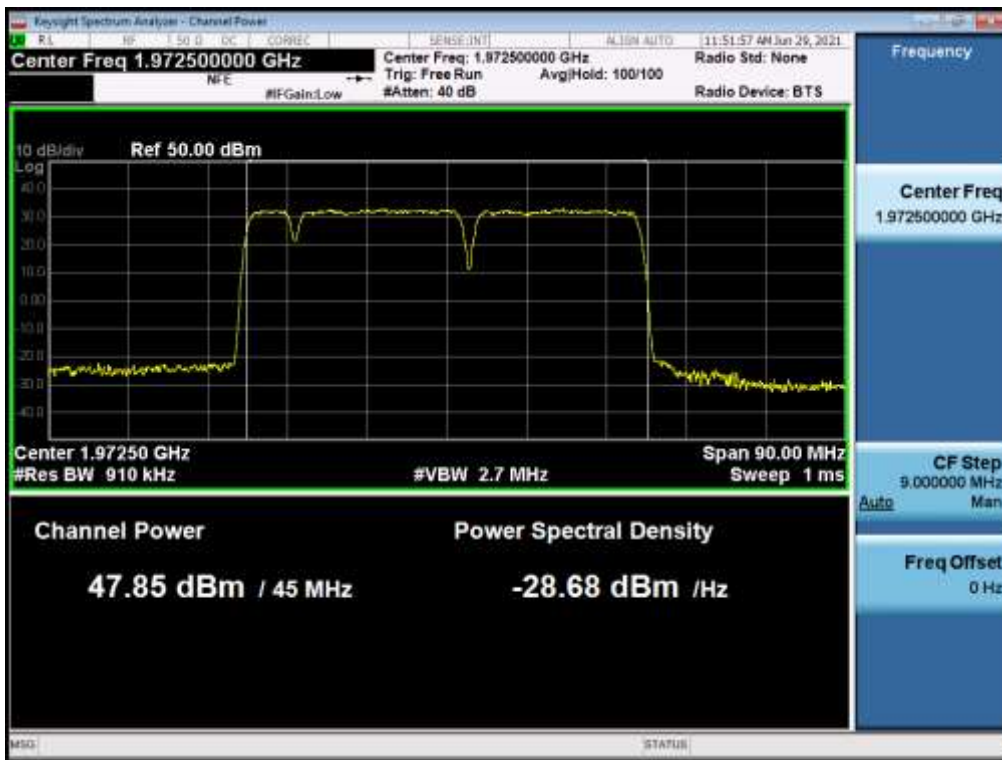
Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] / Contiguous / 16QAM / Middle
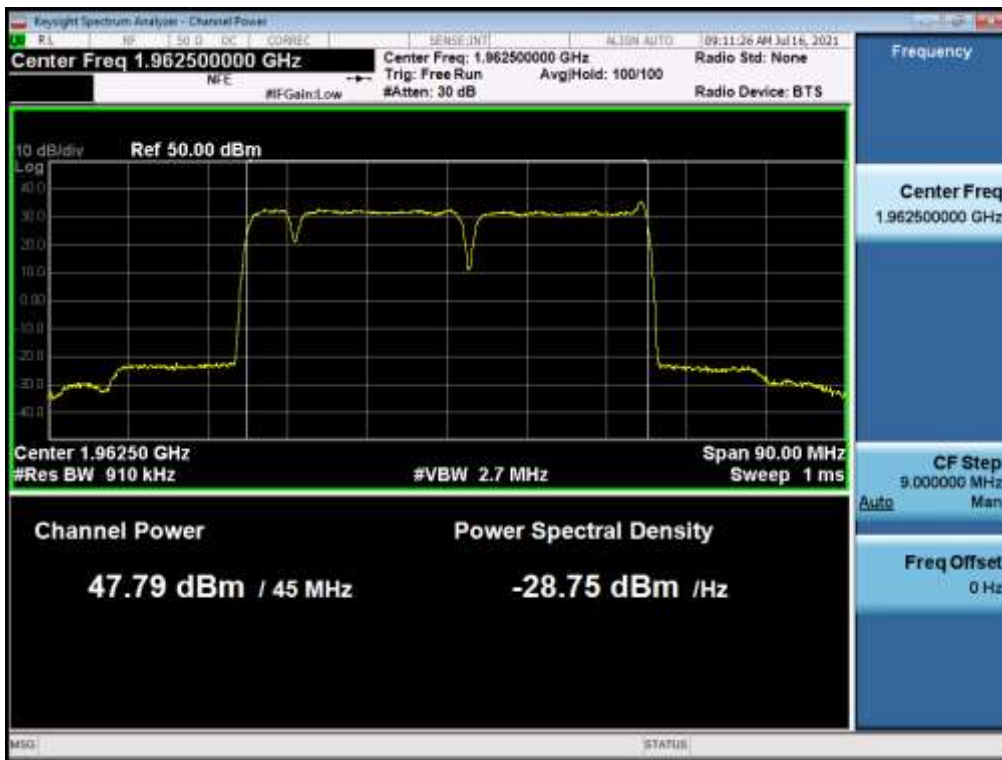
Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 5 MHz / QPSK / Low
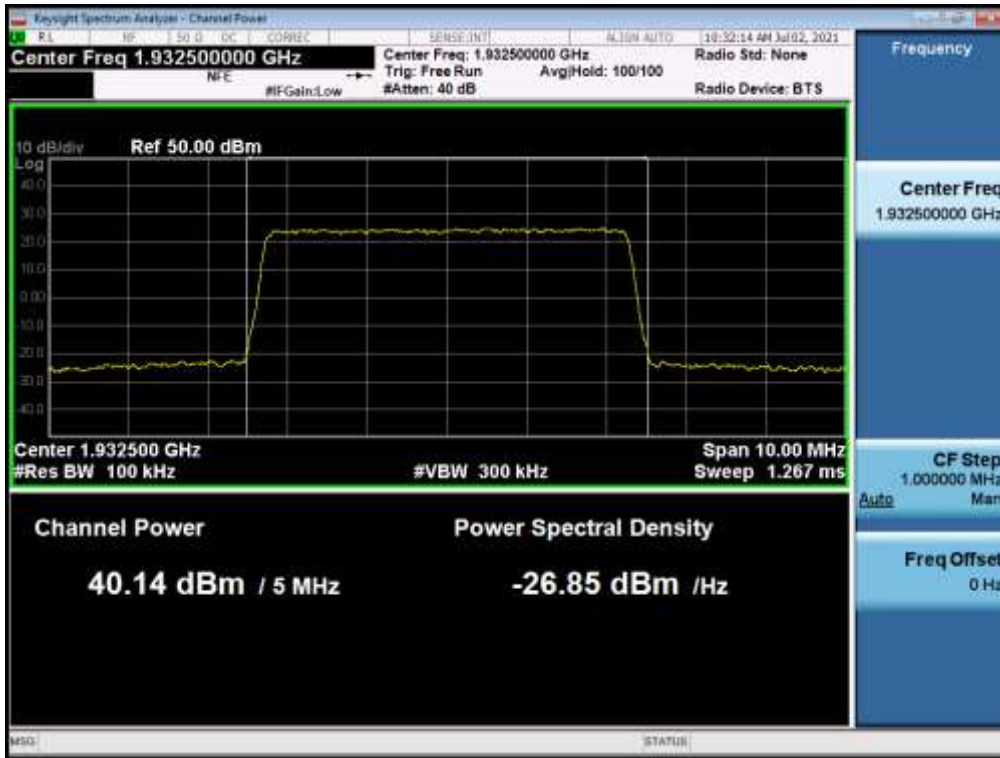
Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz / QPSK / High
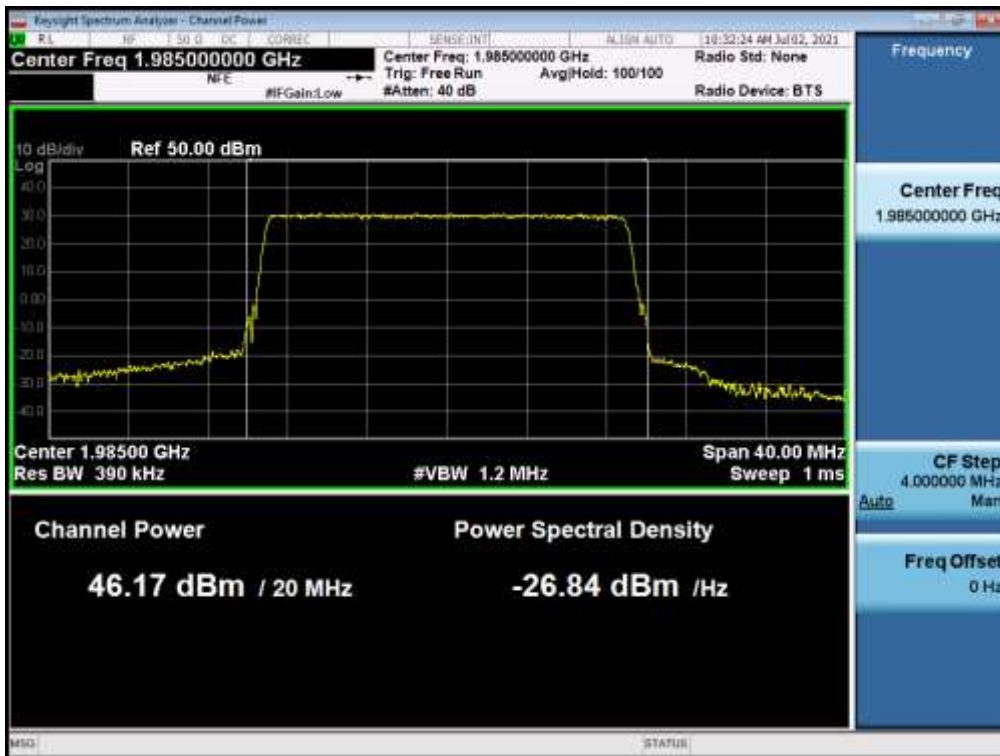
Antenna 1 / B25 LTE 10 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 10 MHz / 64QAM / Low
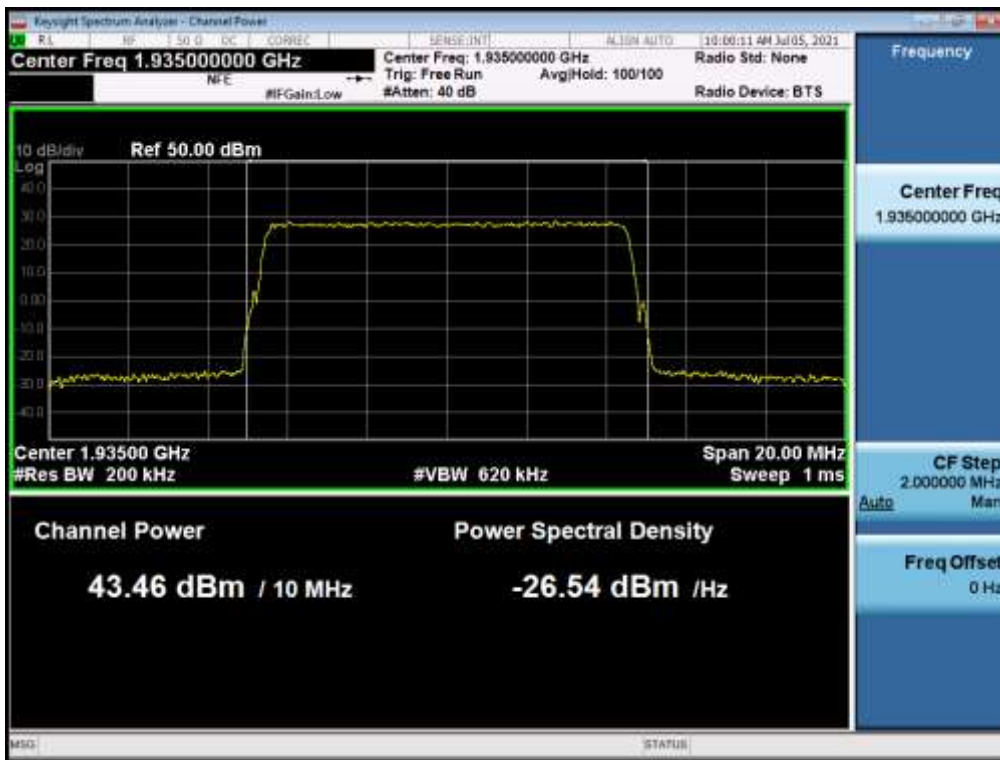
Antenna 1 / B25 LTE 10 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz / 64QAM / High
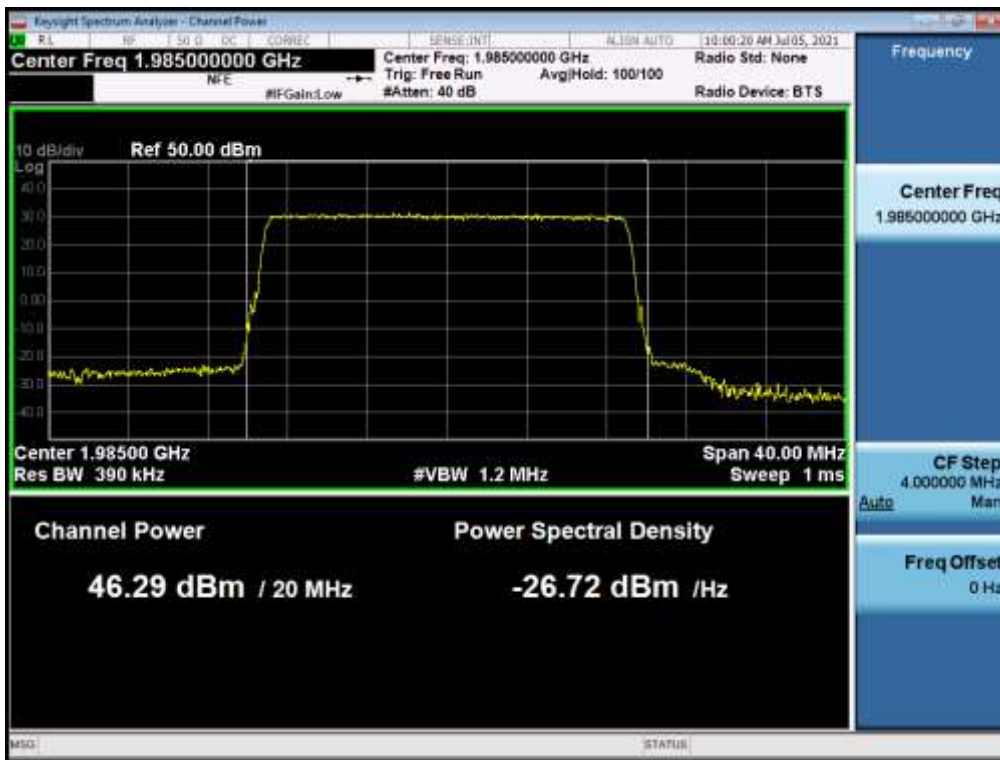
Antenna 1 / B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 10 MHz & NB-IoT / 64QAM / Low
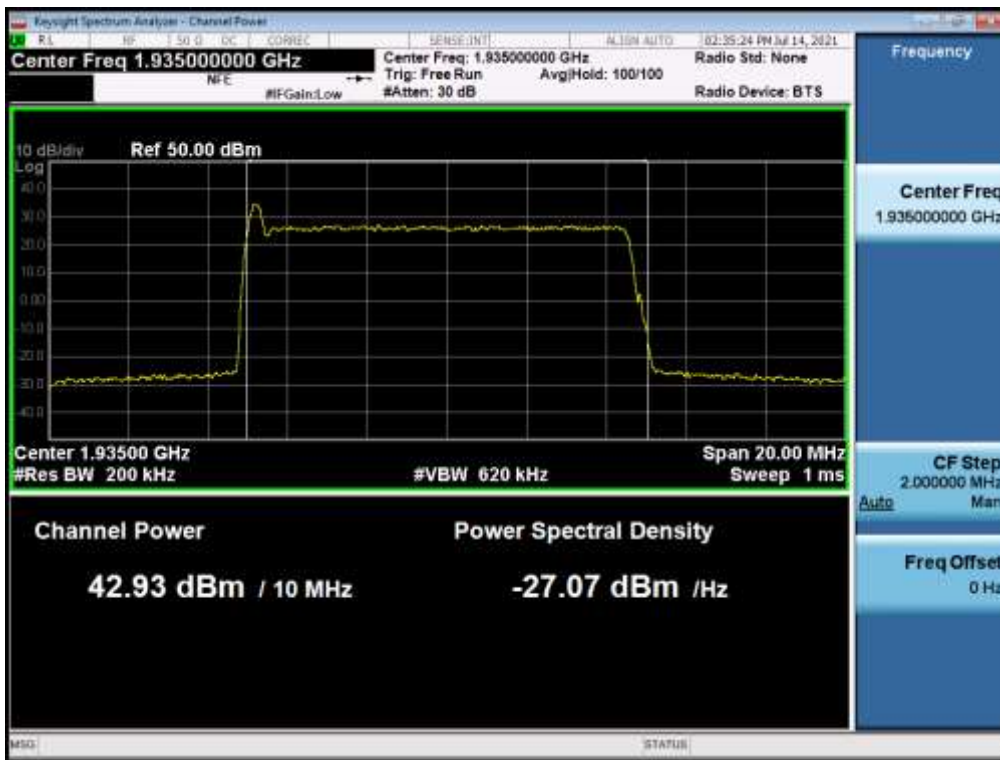
Antenna 1 / B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz / 64QAM / High
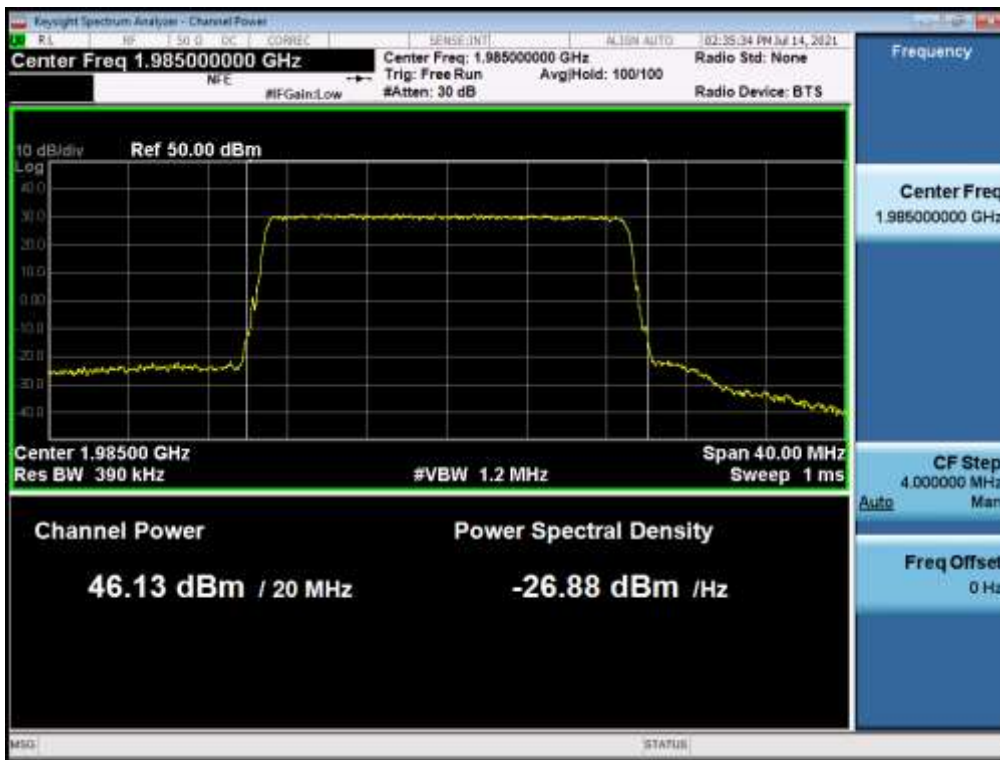
Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz & NB-IoT / 16QAM / Low

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 10 MHz / 16QAM / High
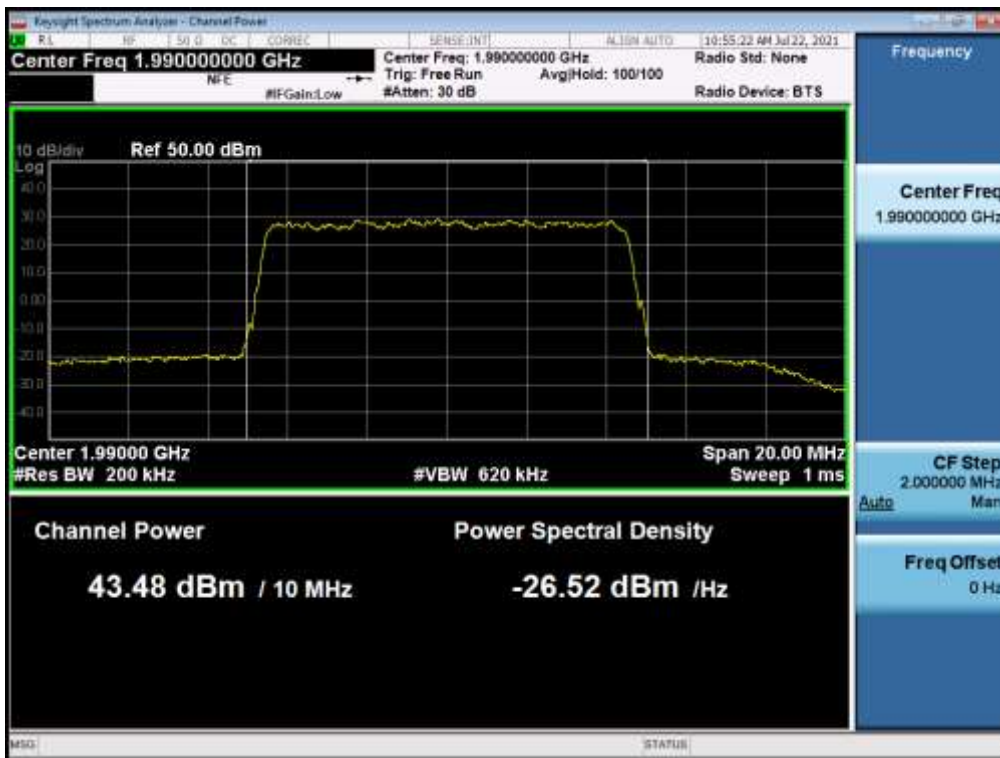
Antenna 1 / B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 10 MHz & NB-IoT / 16QAM / Low
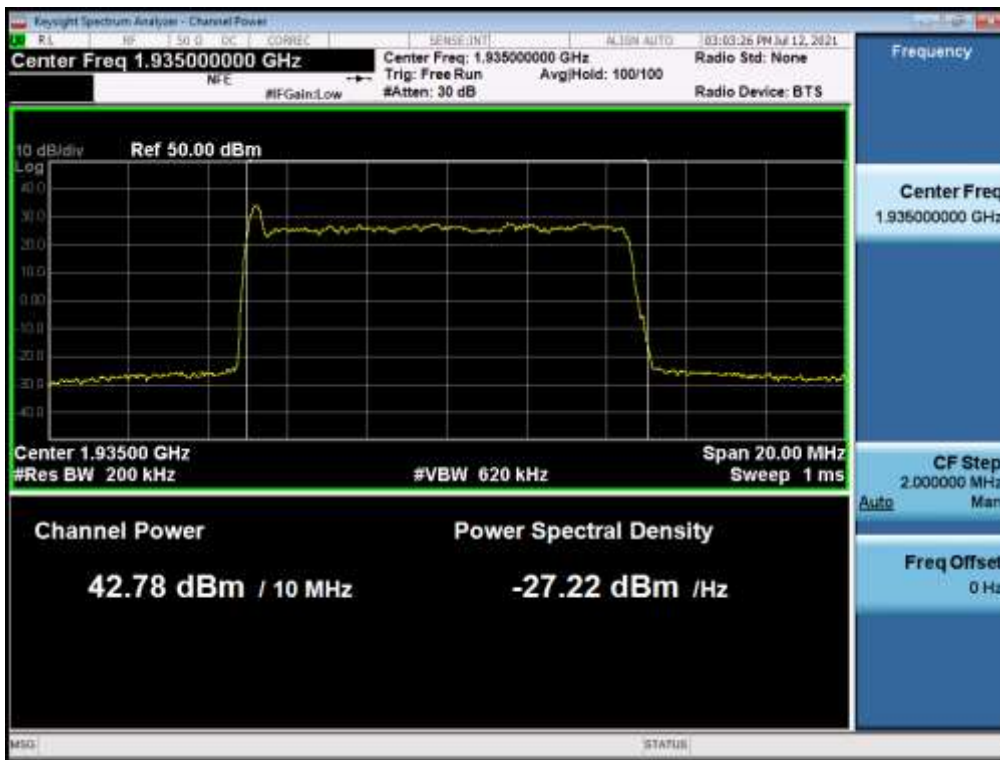
Antenna 1 / B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz & NB-IoT / 16QAM / High
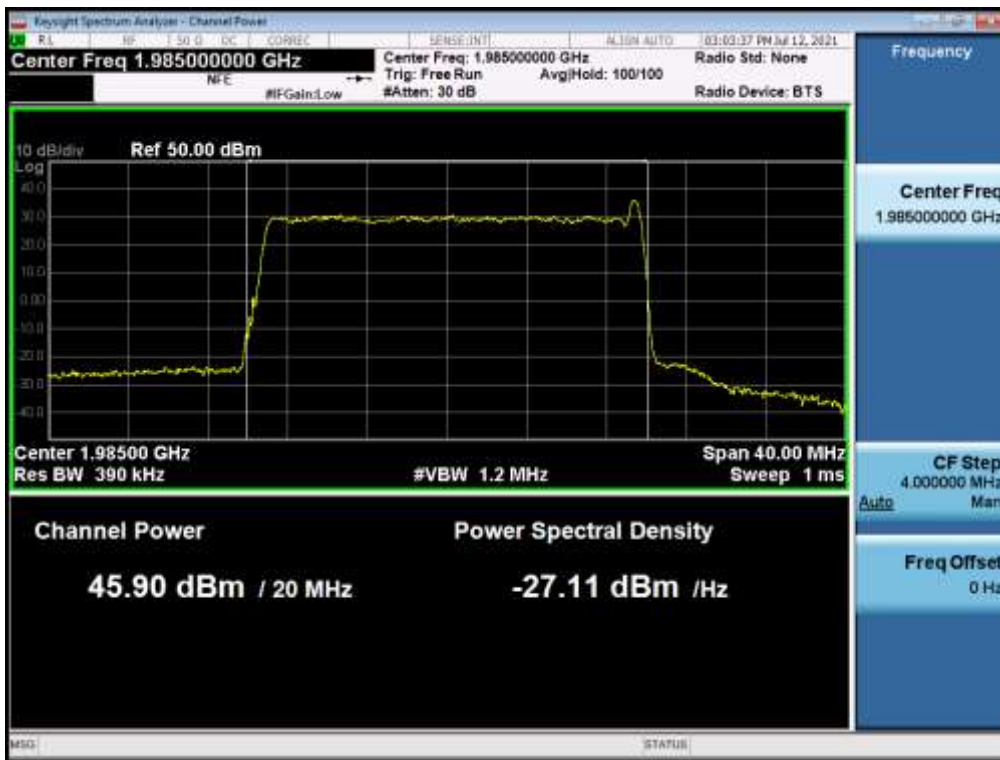
Antenna 1 / B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 15 MHz / 64QAM / Low
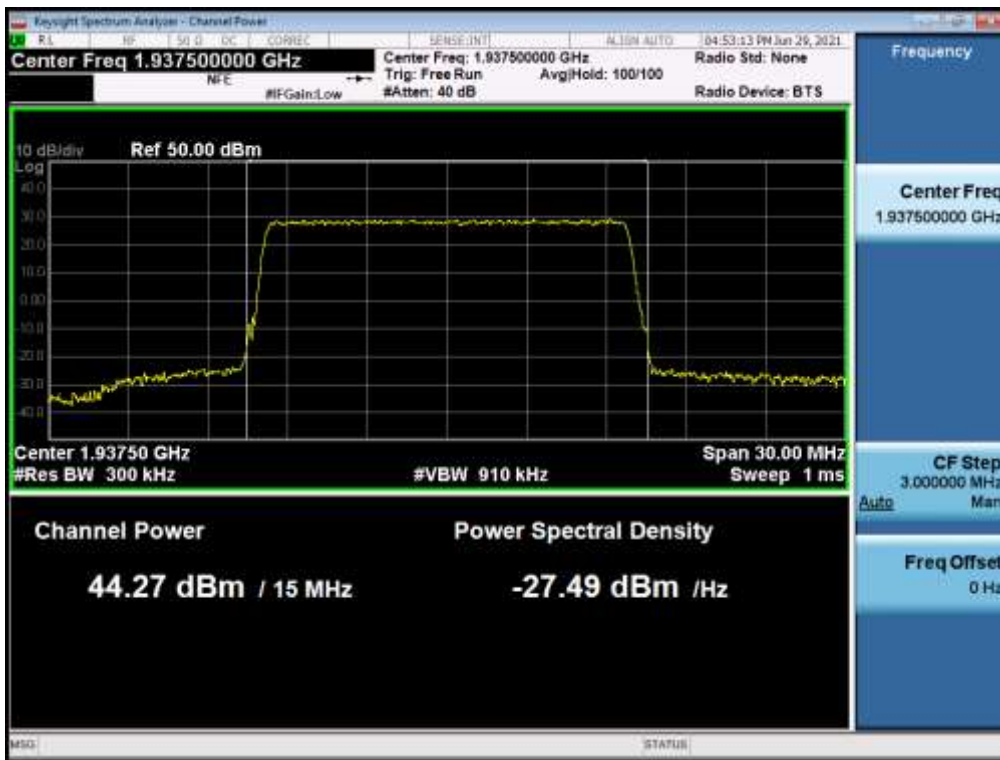
Antenna 1 / B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz / 64QAM / High
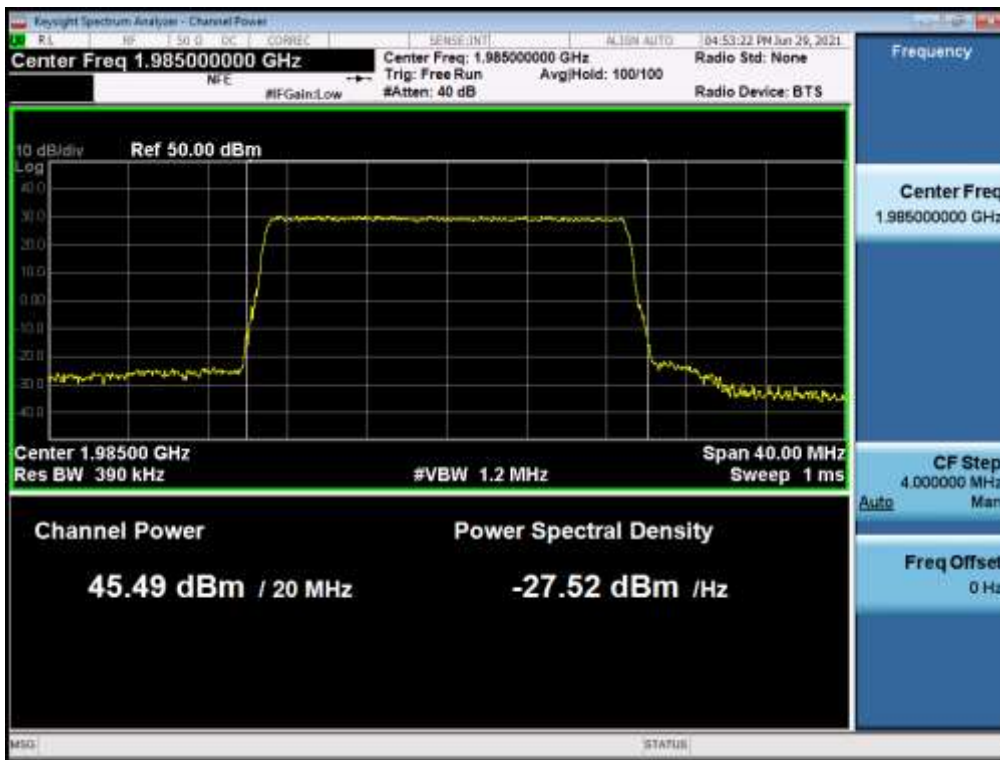
Antenna 1 / B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz / 64QAM / Low
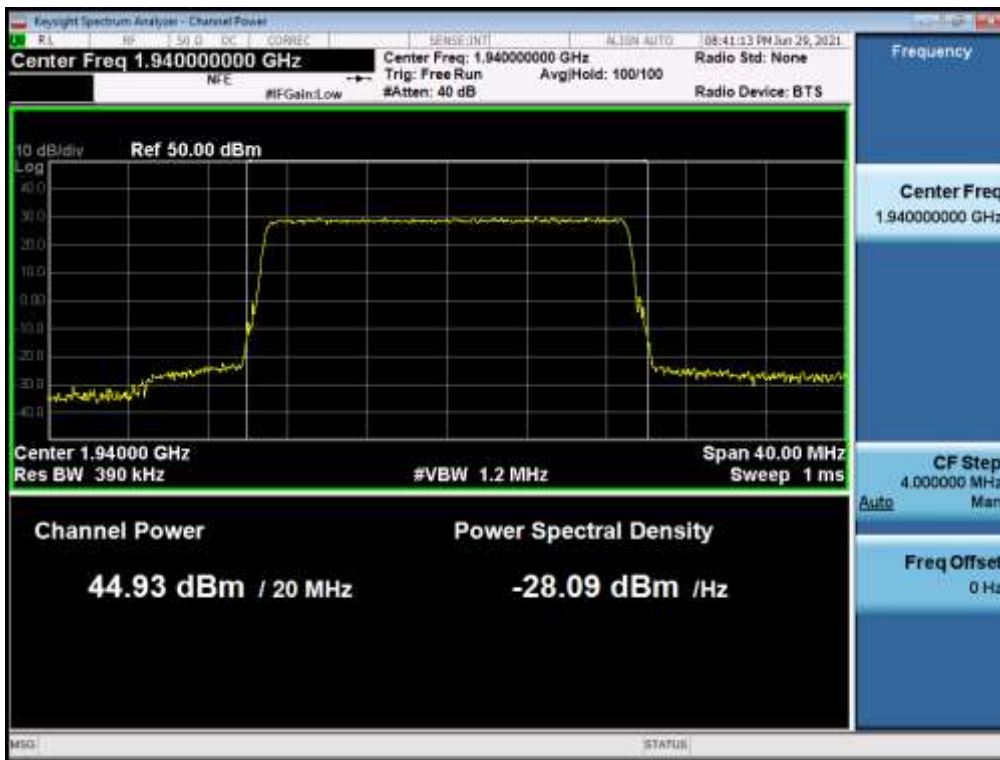
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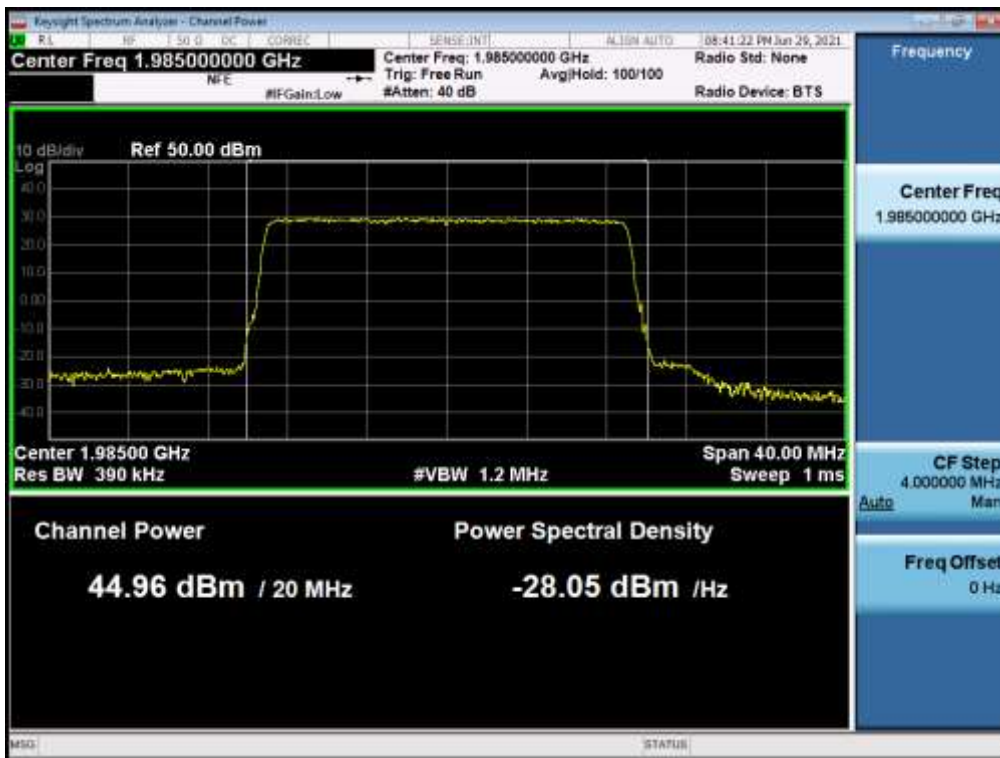
Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz & NB-IoT / QPSK / Low

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz / QPSK / High
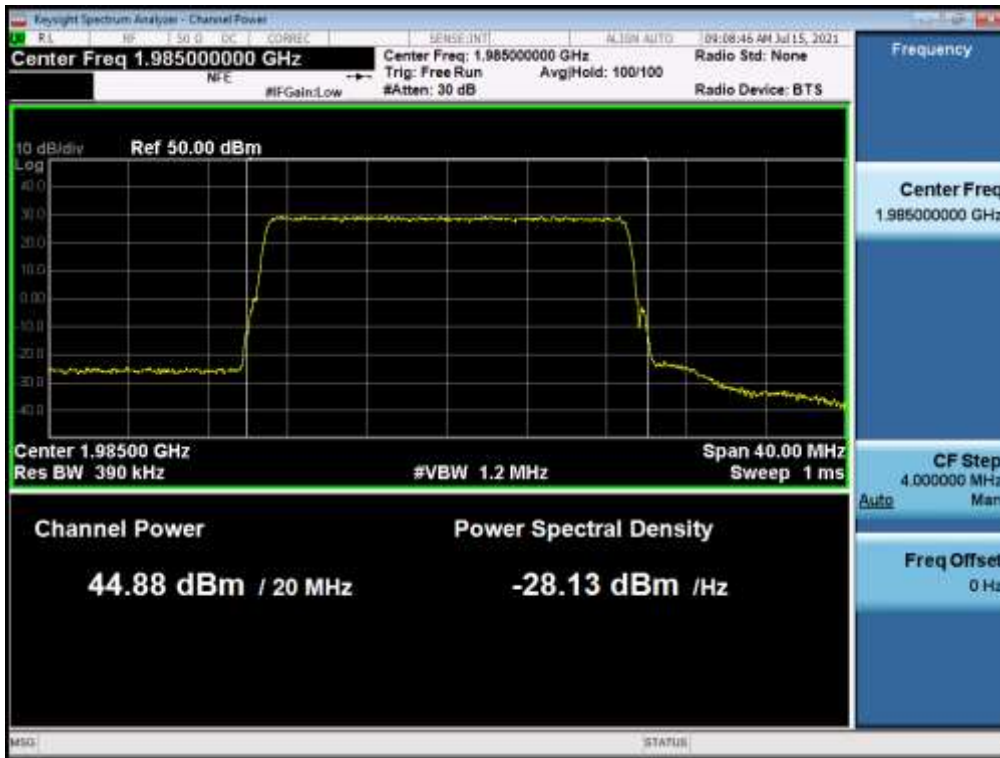
Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz & NB-IoT / 64QAM / Low

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / B25 LTE 20 MHz & NB-IoT / 64QAM / High
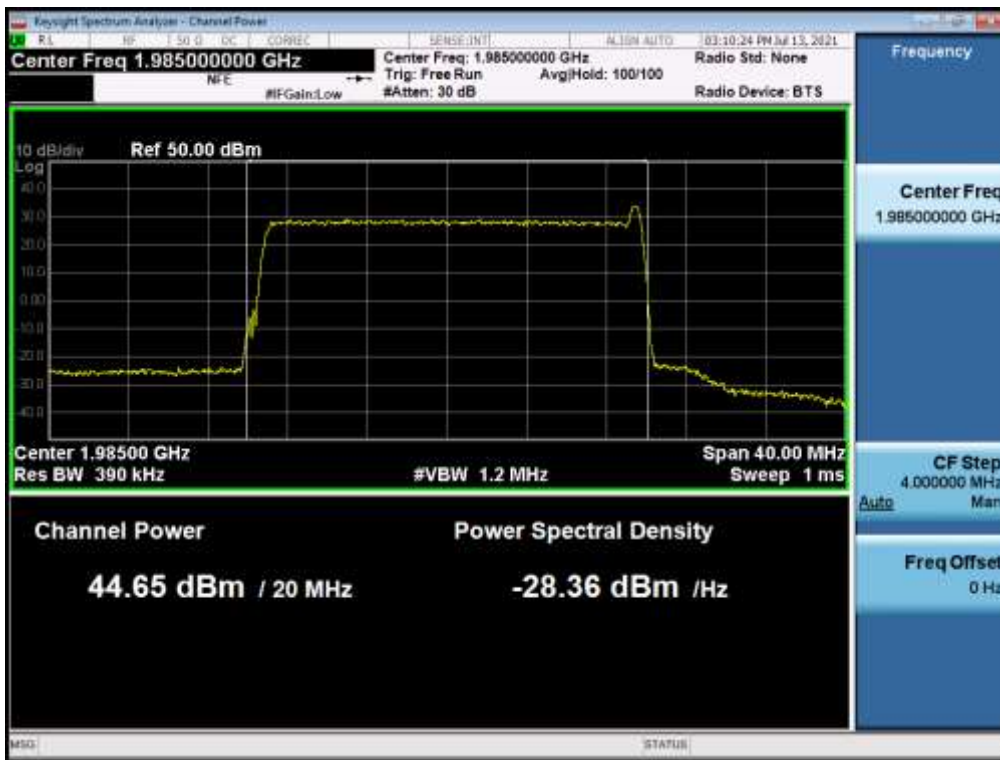
Antenna 1 / B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 10 MHz / 64QAM / Low

Antenna 1 / B66 LTE 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 64QAM / High

Antenna 1 / B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 16QAM / Low

Antenna 1 / B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / 16QAM / B66 LTE 10 MHz & NB-IoT / High

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 64QAM / Low

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz / 64QAM / High

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 5 MHz / 64QAM / Low

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 20 MHz & NB-IoT / 64QAM / High

Antenna 3 / B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 10 MHz / 16QAM / Low
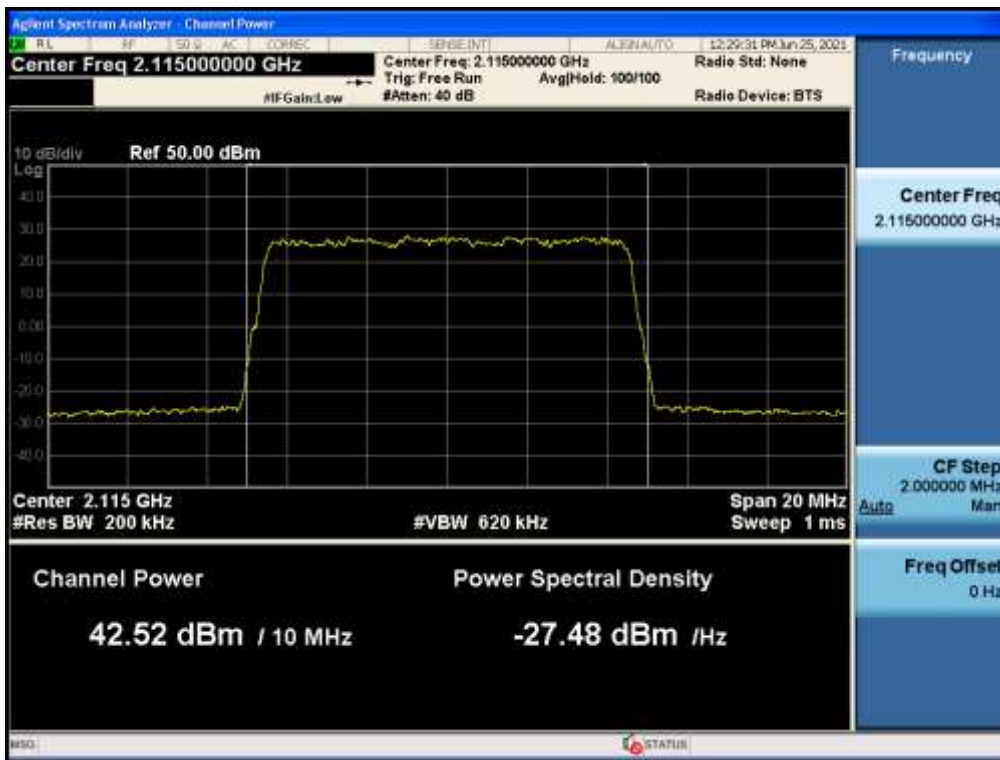
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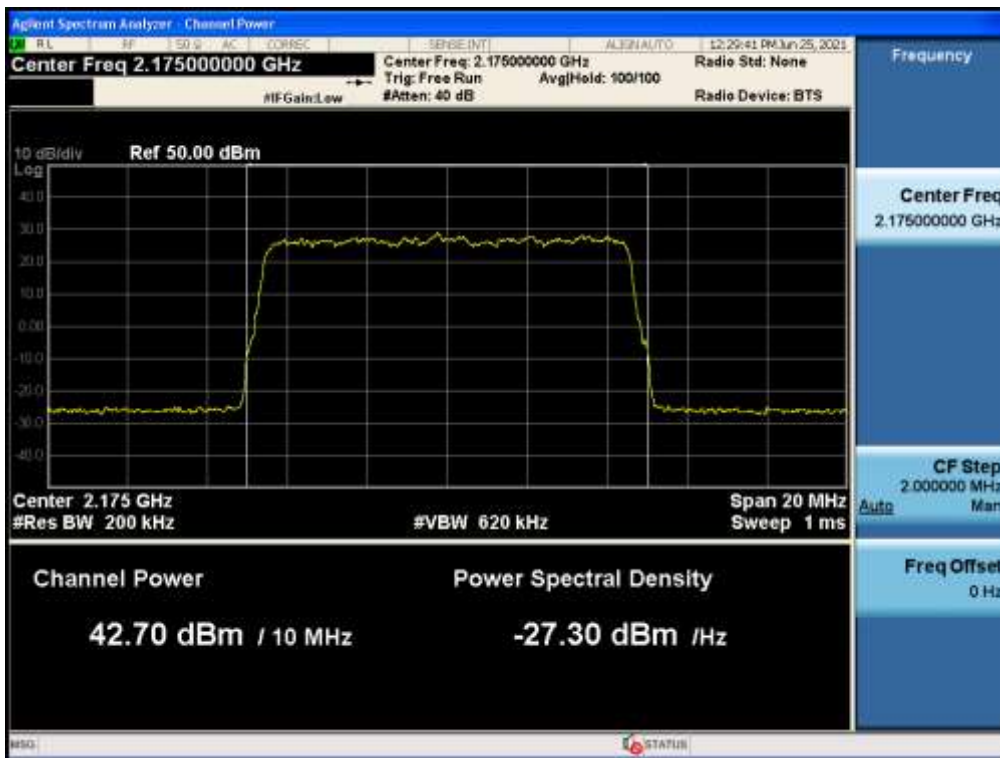
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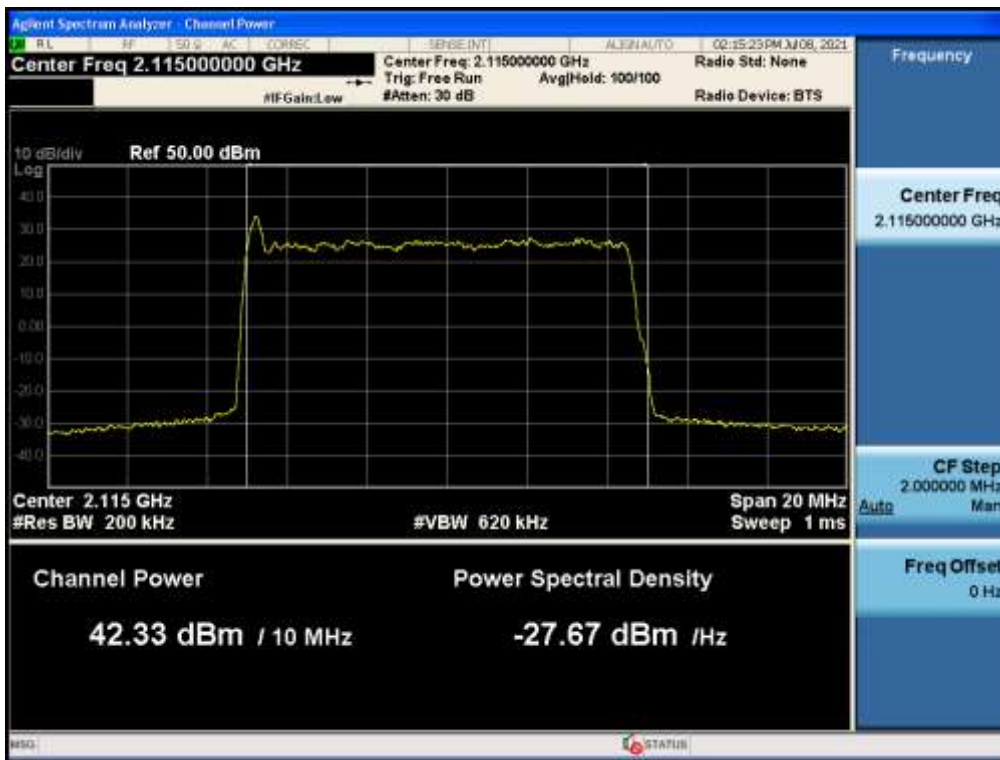
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Antenna 3 / B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier] / Non-Contiguous / B66 LTE 10 MHz & NB-IoT / 256QAM / Low
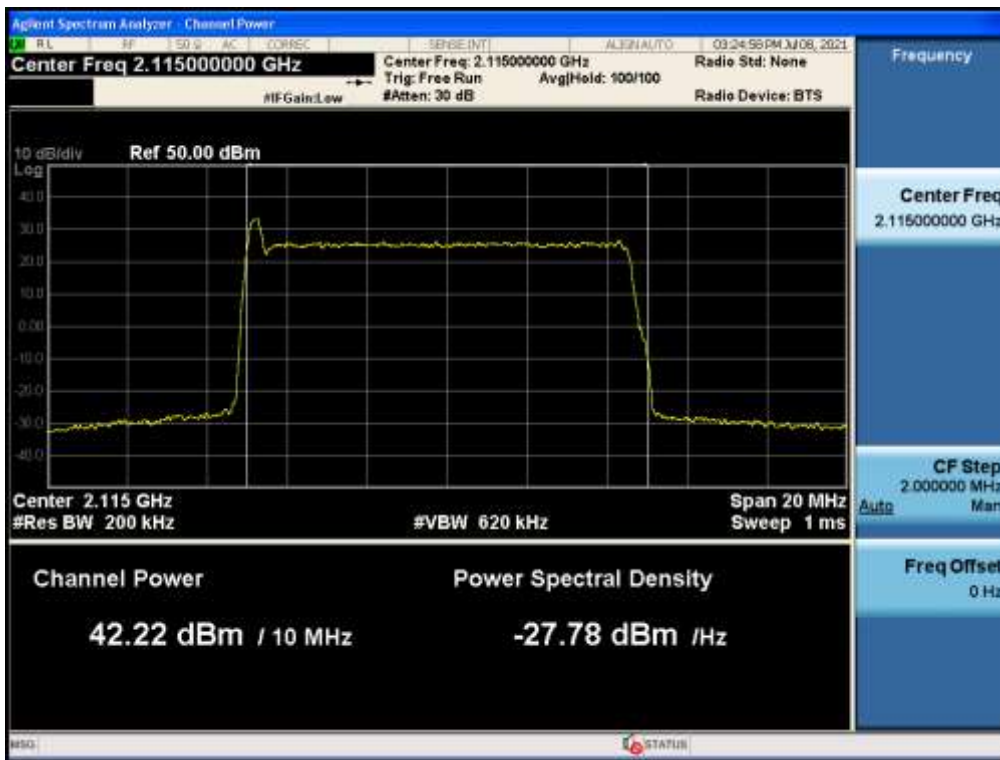
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Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B25 LTE 5 MHz / 64QAM / Low

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B25 LTE 5 MHz + B25 LTE 20 MHz / 64QAM / High
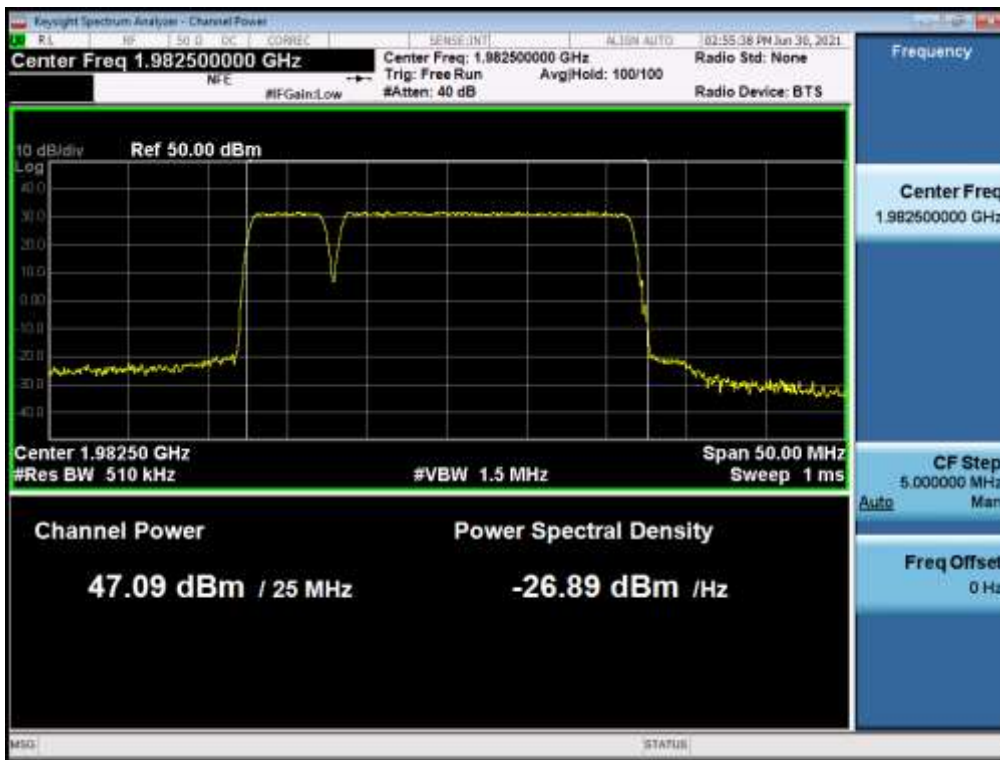
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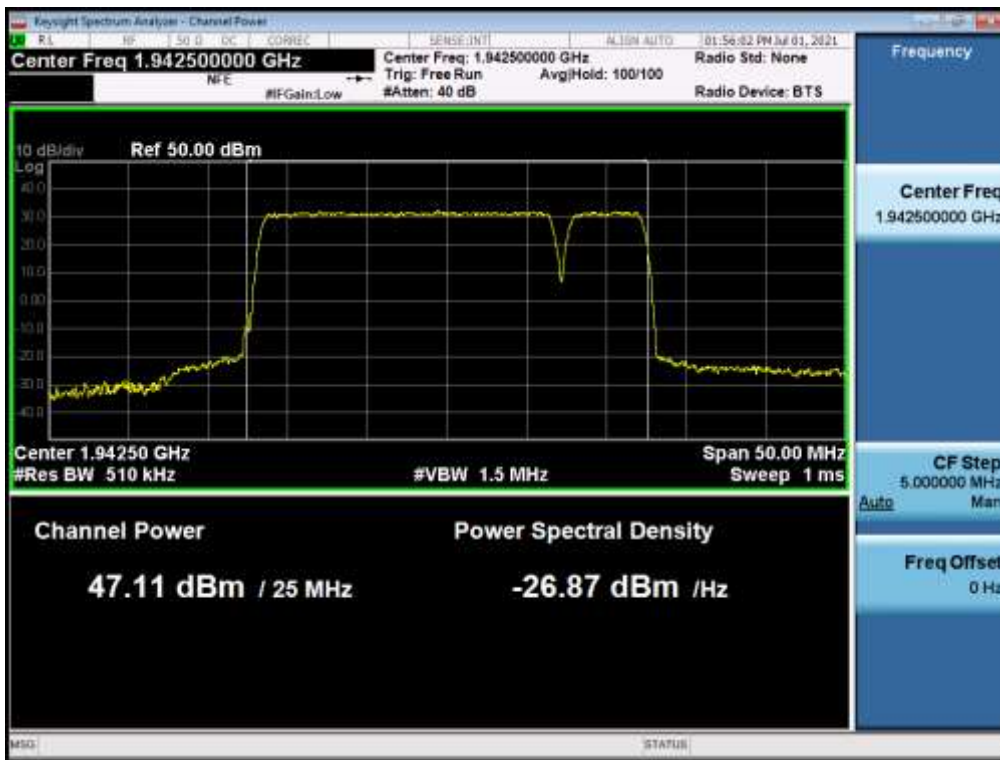
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Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B25 LTE 5 MHz / 256QAM / Low
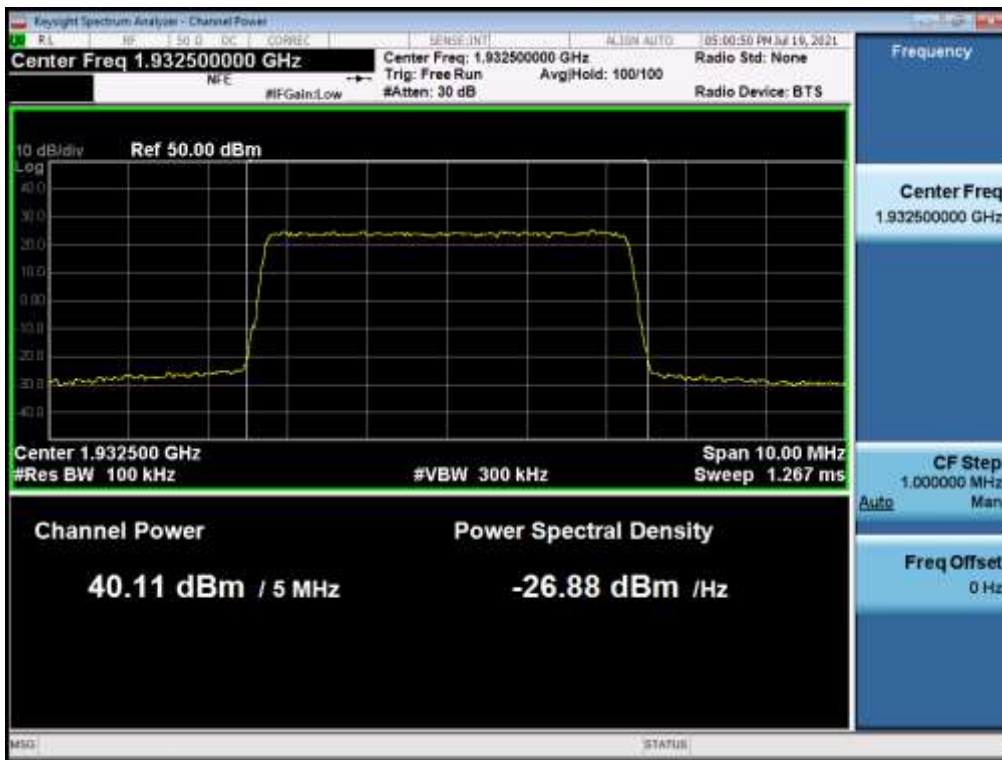
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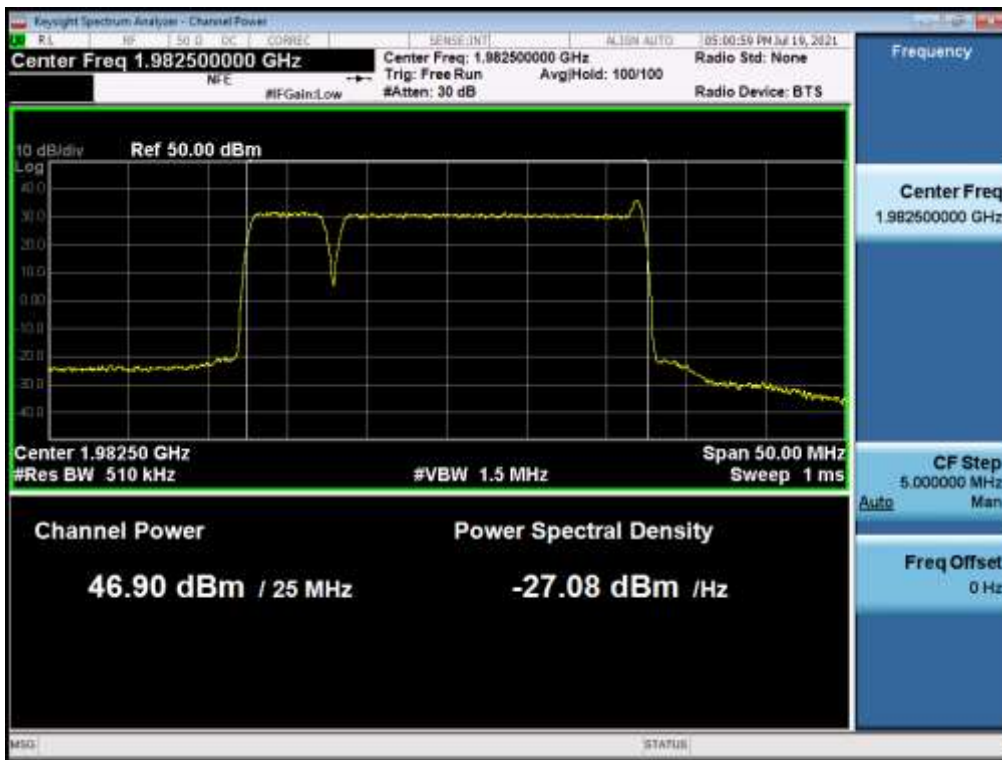
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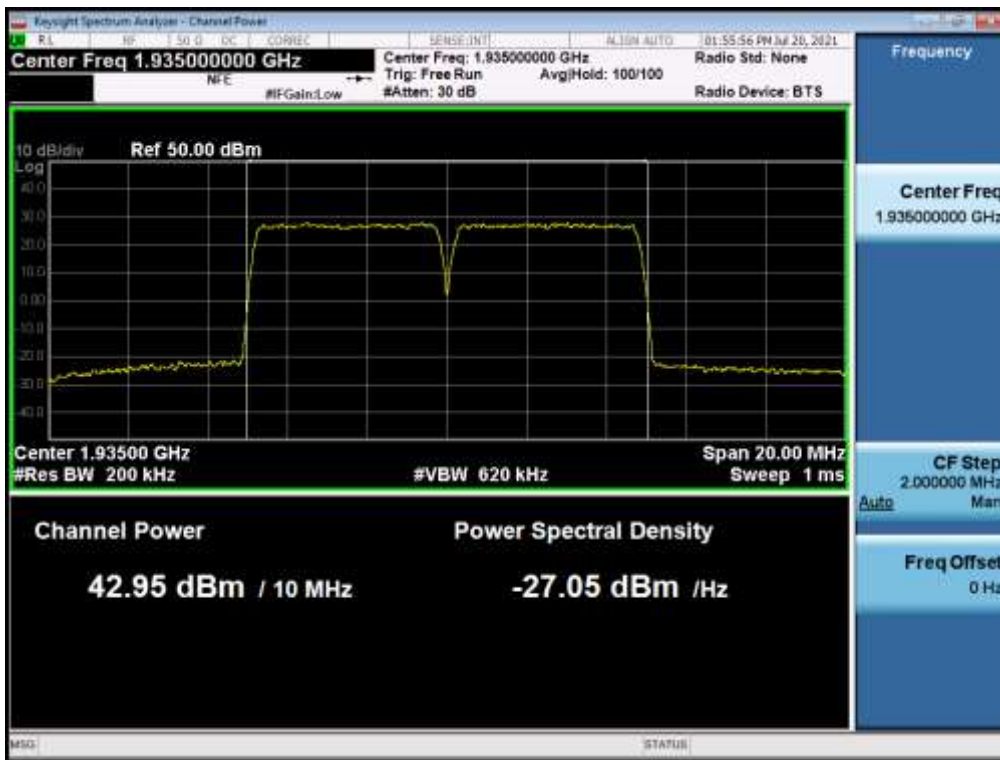
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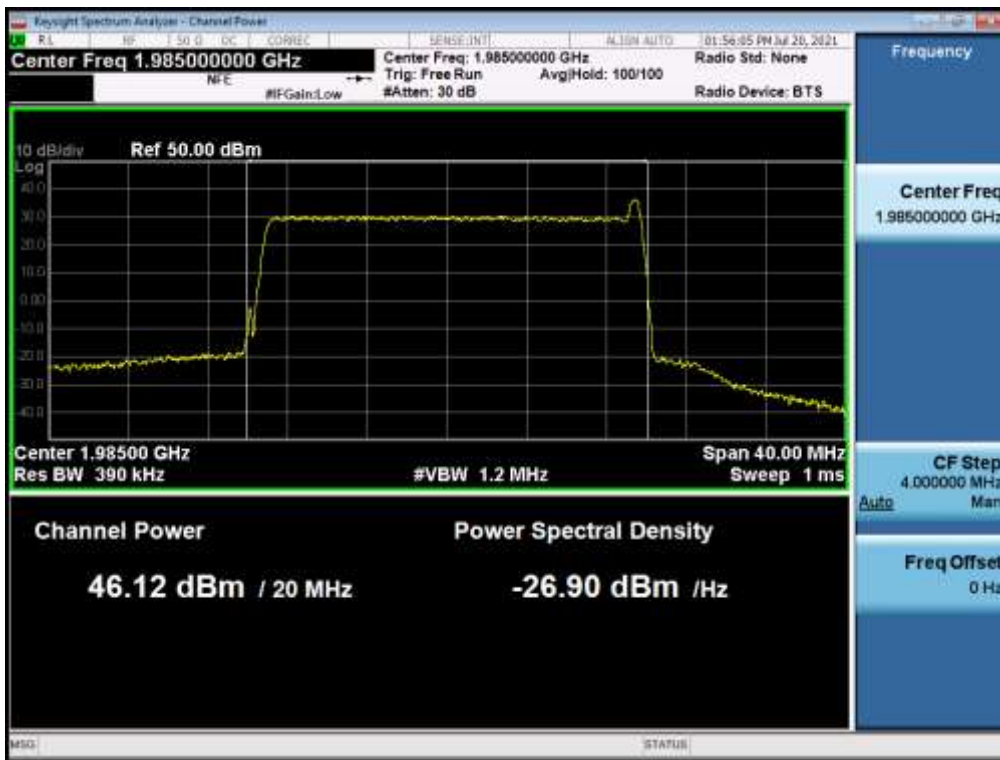
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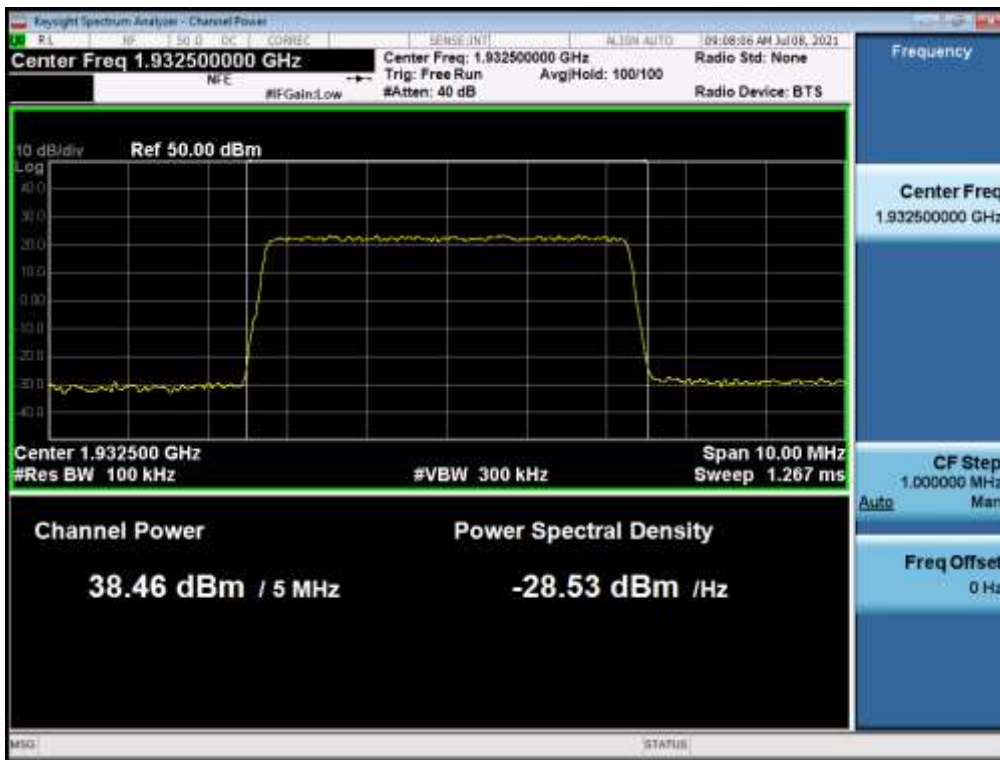
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Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B25 LTE 5 MHz + B25 LTE 20 MHz / 64QAM / Low

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B25 LTE 20 MHz / 64QAM / High
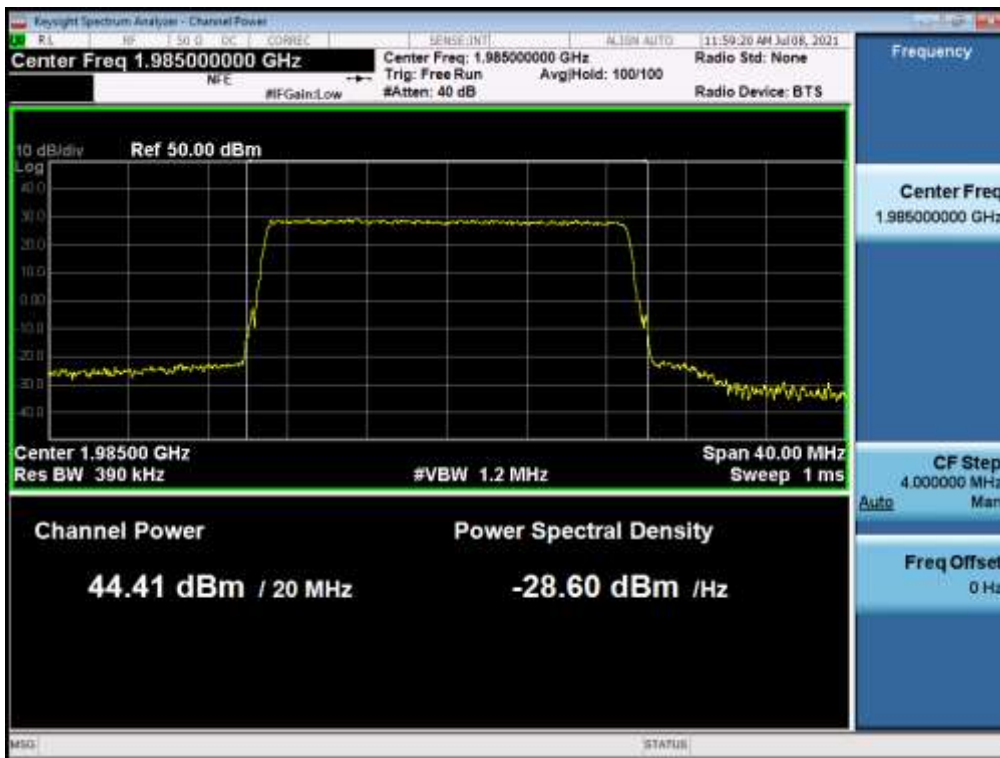
Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B25 LTE 5 MHz / QPSK / Low

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (1C+2C) / Non-Contiguous / B25 LTE 20 MHz + B25 LTE 20 MHz & NB-IoT / QPSK / High

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B25 LTE 5 MHz + B25 LTE 20 MHz / 64QAM / Low

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (2C+1C) / Non-Contiguous / B25 LTE 20 MHz & NB-IoT / 64QAM / High

Tabular Data of PSD

B25 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1931.75	34.81	3.02
		Middle	1962.81	34.77	3.00
		High	1993.14	34.61	2.89
	16QAM	Low	1933.44	35.03	3.18
		Middle	1962.11	34.83	3.04
		High	1993.11	34.87	3.07
	64QAM	Low	1931.28	34.94	3.12
		Middle	1961.82	34.48	2.80
		High	1991.95	34.70	2.95
	256QAM	Low	1933.20	34.80	3.02
		Middle	1961.58	34.59	2.88
		High	1993.00	34.82	3.03
1	QPSK	Low	1931.97	35.07	3.22
		Middle	1962.83	34.85	3.05
		High	1991.55	34.90	3.09
	16QAM	Low	1933.30	35.26	3.36
		Middle	1963.49	35.13	3.26
		High	1991.72	35.09	3.23
	64QAM	Low	1933.79	34.96	3.13
		Middle	1961.41	34.98	3.14
		High	1991.53	35.10	3.24
	256QAM	Low	1933.69	35.03	3.18
		Middle	1961.38	35.09	3.23
		High	1991.44	34.94	3.12

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1932.36	34.55	2.85
		Middle	1961.41	34.85	3.05
		High	1992.08	34.52	2.83
	16QAM	Low	1933.64	34.80	3.02
		Middle	1961.71	34.62	2.90
		High	1993.49	35.03	3.18
	64QAM	Low	1931.14	34.40	2.75
		Middle	1961.50	34.55	2.85
		High	1992.15	34.89	3.08
	256QAM	Low	1932.73	34.51	2.82
		Middle	1961.25	34.40	2.76
		High	1992.98	34.59	2.88
3	QPSK	Low	1933.36	34.57	2.87
		Middle	1961.81	34.53	2.84
		High	1991.16	34.74	2.98
	16QAM	Low	1933.03	34.77	3.00
		Middle	1963.32	34.89	3.08
		High	1993.45	35.11	3.25
	64QAM	Low	1931.91	34.66	2.93
		Middle	1963.55	34.30	2.69
		High	1991.11	34.45	2.78
	256QAM	Low	1933.82	34.46	2.79
		Middle	1963.45	34.63	2.90
		High	1992.95	34.40	2.75

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1933.82	11.96	12.57	11.93	11.82
1963.45	11.94	12.28	11.49	11.76
1992.95	11.79	12.73	12.05	11.78

B25 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1937.84	34.71	2.96
		Middle	1963.42	34.76	3.00
		High	1990.84	34.67	2.93
	16QAM	Low	1934.92	35.04	3.19
		Middle	1966.04	34.94	3.12
		High	1989.46	34.92	3.11
	64QAM	Low	1936.18	34.77	3.00
		Middle	1960.94	34.74	2.98
		High	1991.10	34.84	3.05
	256QAM	Low	1936.90	34.92	3.10
		Middle	1964.84	34.67	2.93
		High	1987.14	34.99	3.16
1	QPSK	Low	1936.36	34.93	3.11
		Middle	1965.34	34.53	2.84
		High	1992.96	34.62	2.90
	16QAM	Low	1934.98	35.13	3.26
		Middle	1965.76	35.02	3.18
		High	1989.86	35.00	3.16
	64QAM	Low	1935.14	34.88	3.08
		Middle	1963.68	34.54	2.84
		High	1989.34	34.59	2.88
	256QAM	Low	1936.64	34.76	2.99
		Middle	1964.50	34.60	2.89
		High	1988.80	34.65	2.91

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1932.58	34.65	2.92
		Middle	1960.00	34.69	2.94
		High	1986.80	34.71	2.96
	16QAM	Low	1938.62	34.96	3.13
		Middle	1962.64	34.64	2.91
		High	1992.08	35.00	3.16
	64QAM	Low	1937.56	34.60	2.88
		Middle	1966.04	34.75	2.98
		High	1987.42	34.81	3.03
	256QAM	Low	1936.70	34.68	2.94
		Middle	1961.34	34.64	2.91
		High	1987.78	34.76	2.99
3	QPSK	Low	1937.64	34.62	2.90
		Middle	1964.02	34.54	2.84
		High	1989.58	34.73	2.97
	16QAM	Low	1938.40	34.94	3.12
		Middle	1962.34	34.93	3.11
		High	1989.66	34.96	3.13
	64QAM	Low	1932.70	34.79	3.02
		Middle	1965.04	34.66	2.92
		High	1987.58	34.82	3.03
	256QAM	Low	1936.44	34.76	2.99
		Middle	1964.30	34.53	2.84
		High	1987.06	34.78	3.01

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1936.44	11.89	12.70	11.98	12.02
1964.30	11.62	12.32	11.73	11.57
1987.06	11.76	12.56	11.98	12.07

B25 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1939.99	34.53	2.84
		Middle	1957.67	34.64	2.91
		High	1983.96	35.10	3.23
	16QAM	Low	1937.44	35.59	3.62
		Middle	1962.74	35.22	3.33
		High	1987.29	35.35	3.43
	64QAM	Low	1942.87	34.54	2.85
		Middle	1957.40	34.44	2.78
		High	1986.57	34.55	2.85
	256QAM	Low	1939.39	34.65	2.91
		Middle	1956.86	34.55	2.85
		High	1988.43	34.54	2.85
1	QPSK	Low	1942.27	34.86	3.06
		Middle	1967.51	35.02	3.17
		High	1985.52	35.01	3.17
	16QAM	Low	1937.71	35.60	3.63
		Middle	1958.00	35.47	3.52
		High	1987.80	35.48	3.53
	64QAM	Low	1942.36	34.92	3.11
		Middle	1959.44	34.83	3.04
		High	1985.49	34.85	3.05
	256QAM	Low	1942.60	35.13	3.26
		Middle	1967.54	34.92	3.11
		High	1984.71	35.15	3.27

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1943.02	34.44	2.78
		Middle	1960.88	34.49	2.81
		High	1987.17	34.53	2.84
	16QAM	Low	1937.53	35.00	3.16
		Middle	1962.62	35.05	3.20
		High	1987.35	35.24	3.35
	64QAM	Low	1937.71	34.38	2.74
		Middle	1958.75	34.43	2.77
		High	1984.41	34.55	2.85
	256QAM	Low	1939.06	34.62	2.90
		Middle	1957.94	34.84	3.04
		High	1985.67	34.78	3.00
3	QPSK	Low	1943.20	34.53	2.84
		Middle	1967.51	34.51	2.82
		High	1988.85	34.60	2.88
	16QAM	Low	1937.29	35.00	3.16
		Middle	1962.17	34.99	3.16
		High	1987.53	35.47	3.53
	64QAM	Low	1941.64	34.55	2.85
		Middle	1964.66	34.77	3.00
		High	1984.68	34.66	2.92
	256QAM	Low	1933.39	34.62	2.90
		Middle	1967.54	34.59	2.88
		High	1985.79	34.60	2.88

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1933.39	11.52	13.59	11.55	11.97
1967.54	11.72	13.21	11.59	11.88
1985.79	12.13	13.83	11.68	12.00

B25 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1935.56	34.53	2.84
		Middle	1956.78	34.49	2.81
		High	1977.28	34.63	2.90
	16QAM	Low	1933.92	34.67	2.93
		Middle	1956.42	34.97	3.14
		High	1979.48	34.81	3.03
	64QAM	Low	1947.68	34.45	2.79
		Middle	1957.02	34.57	2.86
		High	1984.28	34.63	2.90
	256QAM	Low	1945.56	34.57	2.87
		Middle	1967.02	34.65	2.92
		High	1984.04	34.67	2.93
1	QPSK	Low	1935.28	34.62	2.89
		Middle	1967.86	34.58	2.87
		High	1984.84	34.85	3.06
	16QAM	Low	1947.32	35.09	3.23
		Middle	1956.42	35.18	3.30
		High	1979.44	35.09	3.23
	64QAM	Low	1942.16	34.94	3.12
		Middle	1959.22	34.62	2.90
		High	1985.68	34.79	3.02
	256QAM	Low	1947.04	34.77	3.00
		Middle	1965.86	34.77	3.00
		High	1984.04	34.96	3.14

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1943.36	34.43	2.77
		Middle	1958.90	34.51	2.83
		High	1984.08	34.58	2.87
	16QAM	Low	1940.68	34.51	2.82
		Middle	1956.86	34.70	2.95
		High	1978.56	34.87	3.07
	64QAM	Low	1938.32	34.48	2.80
		Middle	1958.26	34.45	2.79
		High	1977.92	34.50	2.82
	256QAM	Low	1946.08	34.37	2.74
		Middle	1958.14	34.46	2.79
		High	1981.64	34.48	2.80
3	QPSK	Low	1945.24	34.58	2.87
		Middle	1967.06	34.55	2.85
		High	1981.00	34.95	3.13
	16QAM	Low	1944.44	34.76	2.99
		Middle	1967.18	34.57	2.86
		High	1979.36	35.21	3.32
	64QAM	Low	1945.68	34.88	3.08
		Middle	1959.82	34.65	2.91
		High	1977.56	34.58	2.87
	256QAM	Low	1942.00	34.82	3.03
		Middle	1963.18	34.60	2.89
		High	1980.48	34.73	2.97

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1942.00	11.37	11.97	11.79	11.64
1963.18	11.36	12.26	11.46	11.59
1980.48	11.96	12.64	11.60	11.84

B66 LTE 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2113.70	33.85	2.43
		Middle	2145.38	34.56	2.86
		High	2177.48	34.53	2.84
	16QAM	Low	2113.60	34.20	2.63
		Middle	2145.86	34.82	3.03
		High	2178.31	34.60	2.89
	64QAM	Low	2111.75	33.84	2.42
		Middle	2144.52	34.26	2.67
		High	2176.61	34.25	2.66
	256QAM	Low	2111.50	34.11	2.58
		Middle	2144.00	34.54	2.85
		High	2178.68	34.20	2.63
1	QPSK	Low	2113.18	34.34	2.72
		Middle	2146.02	34.37	2.74
		High	2176.94	34.67	2.93
	16QAM	Low	2113.83	34.61	2.89
		Middle	2145.85	34.79	3.02
		High	2178.76	34.65	2.92
	64QAM	Low	2112.84	34.13	2.59
		Middle	2144.42	34.43	2.77
		High	2177.00	34.38	2.74
	256QAM	Low	2112.49	34.22	2.64
		Middle	2145.95	34.48	2.80
		High	2176.17	34.42	2.77

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2113.51	34.16	2.61
		Middle	2145.44	33.83	2.42
		High	2177.97	34.54	2.85
	16QAM	Low	2113.13	34.43	2.78
		Middle	2146.23	34.59	2.88
		High	2178.72	34.78	3.01
	64QAM	Low	2112.20	33.90	2.46
		Middle	2145.86	33.88	2.44
		High	2176.18	34.19	2.63
	256QAM	Low	2111.78	33.89	2.45
		Middle	2145.69	34.16	2.60
		High	2177.64	34.40	2.76
3	QPSK	Low	2111.81	34.16	2.61
		Middle	2145.12	34.30	2.69
		High	2178.90	34.47	2.80
	16QAM	Low	2112.99	34.10	2.57
		Middle	2145.10	34.53	2.84
		High	2177.16	34.55	2.85
	64QAM	Low	2113.65	33.95	2.49
		Middle	2145.44	34.28	2.68
		High	2178.47	34.33	2.71
	256QAM	Low	2112.39	34.14	2.59
		Middle	2144.63	34.41	2.76
		High	2176.05	34.40	2.75

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2112.39	10.36	10.86	9.95	10.26
2144.63	10.70	11.76	10.56	11.02
2176.05	11.42	11.66	10.74	10.91

B66 LTE 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2118.12	34.03	2.53
		Middle	2141.58	34.37	2.73
		High	2172.70	34.41	2.76
	16QAM	Low	2116.74	34.14	2.59
		Middle	2148.08	34.53	2.84
		High	2178.10	34.62	2.90
	64QAM	Low	2116.62	33.96	2.49
		Middle	2146.38	34.29	2.69
		High	2171.72	34.13	2.59
	256QAM	Low	2118.12	33.91	2.46
		Middle	2148.08	34.30	2.69
		High	2171.70	34.40	2.75
1	QPSK	Low	2112.72	34.24	2.65
		Middle	2147.64	34.19	2.63
		High	2173.34	34.19	2.62
	16QAM	Low	2118.36	34.30	2.69
		Middle	2144.86	34.40	2.76
		High	2175.30	34.55	2.85
	64QAM	Low	2114.10	33.96	2.49
		Middle	2147.66	34.25	2.66
		High	2172.40	34.45	2.79
	256QAM	Low	2113.30	33.96	2.49
		Middle	2143.54	34.17	2.61
		High	2171.78	34.34	2.71

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2118.18	33.84	2.42
		Middle	2147.44	33.90	2.45
		High	2175.66	34.23	2.65
	16QAM	Low	2118.66	33.96	2.49
		Middle	2146.92	34.21	2.64
		High	2175.22	34.65	2.92
	64QAM	Low	2113.16	34.02	2.52
		Middle	2146.18	34.01	2.52
		High	2172.72	34.37	2.74
	256QAM	Low	2112.58	33.80	2.40
		Middle	2142.06	33.90	2.46
		High	2176.28	34.11	2.58
3	QPSK	Low	2111.86	34.14	2.59
		Middle	2141.86	34.17	2.61
		High	2177.70	34.18	2.62
	16QAM	Low	2118.02	34.28	2.68
		Middle	2144.84	34.54	2.84
		High	2174.76	34.67	2.93
	64QAM	Low	2118.60	34.07	2.55
		Middle	2143.20	34.22	2.64
		High	2175.34	34.18	2.62
	256QAM	Low	2112.48	33.94	2.48
		Middle	2145.64	34.34	2.72
		High	2172.54	34.13	2.59

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2112.48	10.20	10.45	10.05	9.83
2145.64	10.43	11.08	10.51	10.48
2172.54	10.65	11.60	10.74	10.63

B66 LTE 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2120.92	33.93	2.47
		Middle	2150.19	34.31	2.70
		High	2170.97	34.28	2.68
	16QAM	Low	2117.53	34.89	3.08
		Middle	2145.00	34.99	3.16
		High	2172.68	35.21	3.32
	64QAM	Low	2122.81	34.13	2.59
		Middle	2145.60	34.20	2.63
		High	2169.83	34.34	2.71
	256QAM	Low	2123.02	34.12	2.58
		Middle	2144.85	34.30	2.69
		High	2167.31	34.59	2.88
1	QPSK	Low	2114.56	33.90	2.46
		Middle	2146.65	34.44	2.78
		High	2167.28	34.14	2.59
	16QAM	Low	2117.32	34.65	2.92
		Middle	2145.36	34.98	3.15
		High	2172.41	34.87	3.07
	64QAM	Low	2114.11	34.07	2.55
		Middle	2149.92	34.26	2.67
		High	2175.38	34.30	2.69
	256QAM	Low	2112.64	33.88	2.44
		Middle	2143.08	34.20	2.63
		High	2168.60	34.25	2.66

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2122.57	33.79	2.39
		Middle	2142.18	33.98	2.50
		High	2175.23	34.25	2.66
	16QAM	Low	2112.94	34.17	2.61
		Middle	2144.67	34.60	2.89
		High	2172.65	35.53	3.57
	64QAM	Low	2118.01	33.90	2.45
		Middle	2147.61	34.18	2.62
		High	2168.93	34.58	2.87
	256QAM	Low	2111.80	33.89	2.45
		Middle	2146.32	33.92	2.47
		High	2168.15	34.46	2.79
3	QPSK	Low	2118.46	34.12	2.58
		Middle	2150.01	34.34	2.72
		High	2170.13	34.34	2.71
	16QAM	Low	2117.71	34.73	2.97
		Middle	2145.03	34.87	3.07
		High	2172.50	35.45	3.50
	64QAM	Low	2122.24	34.12	2.58
		Middle	2150.64	34.33	2.71
		High	2174.87	34.19	2.63
	256QAM	Low	2122.93	34.04	2.53
		Middle	2145.36	34.15	2.60
		High	2170.16	34.35	2.72

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2122.93	9.90	11.58	10.17	10.01
2145.36	10.69	12.26	10.63	10.38
2170.16	10.64	13.46	10.90	11.06

B66 LTE 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2121.96	34.11	2.58
		Middle	2148.60	34.20	2.63
		High	2162.16	34.36	2.73
	16QAM	Low	2114.12	34.60	2.89
		Middle	2139.40	34.82	3.03
		High	2164.52	34.99	3.16
	64QAM	Low	2123.40	33.99	2.51
		Middle	2151.68	34.50	2.82
		High	2176.92	34.26	2.67
	256QAM	Low	2124.44	33.94	2.48
		Middle	2146.24	34.29	2.68
		High	2173.40	34.50	2.82
1	QPSK	Low	2127.08	33.89	2.45
		Middle	2146.80	34.18	2.62
		High	2170.84	34.19	2.62
	16QAM	Low	2127.48	34.49	2.81
		Middle	2148.84	34.94	3.12
		High	2164.24	34.76	3.00
	64QAM	Low	2126.28	34.26	2.67
		Middle	2144.12	34.14	2.59
		High	2163.00	34.42	2.77
	256QAM	Low	2125.44	33.80	2.40
		Middle	2143.24	34.31	2.70
		High	2164.20	34.25	2.66

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2125.88	34.12	2.58
		Middle	2138.88	34.20	2.63
		High	2165.80	34.16	2.61
	16QAM	Low	2124.76	34.30	2.69
		Middle	2139.68	34.18	2.62
		High	2164.16	34.43	2.77
	64QAM	Low	2124.52	34.01	2.52
		Middle	2151.40	34.04	2.53
		High	2168.48	34.41	2.76
	256QAM	Low	2123.20	34.05	2.54
		Middle	2152.60	33.81	2.41
		High	2162.24	34.24	2.65
3	QPSK	Low	2127.92	34.06	2.54
		Middle	2149.32	34.29	2.69
		High	2166.80	34.35	2.73
	16QAM	Low	2124.16	34.59	2.88
		Middle	2139.28	34.32	2.70
		High	2167.84	34.50	2.82
	64QAM	Low	2126.84	34.03	2.53
		Middle	2151.28	34.28	2.68
		High	2166.88	34.42	2.77
	256QAM	Low	2124.80	34.13	2.59
		Middle	2142.24	34.09	2.57
		High	2164.44	34.34	2.71

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2124.80	10.15	11.27	10.22	10.01
2142.24	10.57	11.47	10.63	10.35
2164.44	10.69	11.74	10.97	10.85

Tabular Data of Contiguous PSD

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1951.25	34.32	2.71
		Middle	1966.00	34.63	2.90
		High	1973.15	34.54	2.85
	16QAM	Low	1952.65	34.63	2.91
		Middle	1969.65	34.69	2.94
		High	1979.30	35.27	3.36
	64QAM	Low	1947.85	34.42	2.77
		Middle	1971.55	34.59	2.88
		High	1980.20	35.03	3.18
	256QAM	Low	1952.50	34.31	2.70
		Middle	1967.30	34.61	2.89
		High	1980.95	34.35	2.72
1	QPSK	Low	1945.95	34.70	2.95
		Middle	1966.50	34.98	3.15
		High	1973.25	34.97	3.14
	16QAM	Low	1949.10	34.72	2.96
		Middle	1959.25	35.04	3.19
		High	1978.80	35.00	3.16
	64QAM	Low	1951.30	34.72	2.97
		Middle	1959.15	34.92	3.10
		High	1978.45	34.79	3.01
	256QAM	Low	1951.25	34.80	3.02
		Middle	1963.85	34.83	3.04
		High	1988.90	34.95	3.13

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1951.00	34.42	2.77
		Middle	1959.15	34.26	2.67
		High	1980.95	34.32	2.71
	16QAM	Low	1946.70	34.54	2.84
		Middle	1969.00	34.71	2.96
		High	1973.10	34.59	2.88
	64QAM	Low	1946.65	34.24	2.65
		Middle	1971.15	34.27	2.67
		High	1983.05	34.47	2.80
	256QAM	Low	1949.75	34.39	2.75
		Middle	1971.20	34.21	2.64
		High	1973.25	34.23	2.65
3	QPSK	Low	1948.80	34.60	2.89
		Middle	1967.80	34.38	2.74
		High	1984.20	34.70	2.95
	16QAM	Low	1949.20	34.70	2.95
		Middle	1971.95	34.88	3.08
		High	1978.70	34.89	3.08
	64QAM	Low	1946.45	34.48	2.81
		Middle	1966.35	34.37	2.74
		High	1980.45	34.49	2.81
	256QAM	Low	1948.90	34.30	2.69
		Middle	1968.95	34.54	2.85
		High	1981.80	34.42	2.77

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1948.90	11.31	11.67	11.20	11.16
1968.95	11.46	12.17	11.39	11.41
1981.80	11.65	12.48	11.81	11.27

B25 LTE 10 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1949.68	34.34	2.72
		Middle	1959.80	34.57	2.86
		High	1972.38	34.71	2.96
	16QAM	Low	1944.28	34.54	2.84
		Middle	1971.50	34.93	3.11
		High	1979.04	34.62	2.89
	64QAM	Low	1938.10	34.54	2.84
		Middle	1972.16	34.47	2.80
		High	1978.80	34.58	2.87
	256QAM	Low	1956.76	34.31	2.70
		Middle	1961.00	34.42	2.77
		High	1981.92	34.35	2.72
1	QPSK	Low	1951.00	34.58	2.87
		Middle	1966.16	34.88	3.07
		High	1977.78	35.05	3.20
	16QAM	Low	1934.98	34.63	2.90
		Middle	1954.76	34.99	3.16
		High	1978.92	35.02	3.18
	64QAM	Low	1944.28	34.62	2.89
		Middle	1962.86	34.52	2.83
		High	1977.48	34.69	2.95
	256QAM	Low	1943.20	34.75	2.98
		Middle	1972.16	34.72	2.97
		High	1980.60	34.92	3.10

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1955.38	34.16	2.61
		Middle	1950.92	34.30	2.69
		High	1977.54	34.34	2.72
	16QAM	Low	1938.52	34.49	2.81
		Middle	1961.72	34.37	2.73
		High	1979.16	34.55	2.85
	64QAM	Low	1948.48	34.34	2.72
		Middle	1975.40	34.51	2.83
		High	1981.50	34.28	2.68
	256QAM	Low	1946.14	34.08	2.56
		Middle	1973.54	34.15	2.60
		High	1978.98	34.41	2.76
3	QPSK	Low	1936.24	34.33	2.71
		Middle	1968.26	34.41	2.76
		High	1986.66	34.54	2.85
	16QAM	Low	1934.80	34.71	2.96
		Middle	1960.76	34.42	2.76
		High	1978.38	34.79	3.01
	64QAM	Low	1938.70	34.47	2.80
		Middle	1968.80	34.24	2.65
		High	1977.60	34.63	2.90
	256QAM	Low	1938.46	34.47	2.80
		Middle	1950.74	34.31	2.70
		High	1988.70	34.56	2.85

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1938.46	10.91	11.52	11.25	11.04
1950.74	11.39	11.77	11.12	11.03
1988.70	11.72	11.93	11.40	11.44

B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1930.36	35.67	3.69
		Middle	1947.92	35.49	3.54
		High	1965.36	35.68	3.70
	16QAM	Low	1930.36	35.34	3.42
		Middle	1948.04	34.87	3.07
		High	1965.36	35.61	3.63
	64QAM	Low	1930.42	35.45	3.51
		Middle	1948.04	35.52	3.56
		High	1965.24	35.47	3.53
	256QAM	Low	1930.18	35.29	3.38
		Middle	1947.74	35.94	3.93
		High	1965.18	35.78	3.78
1	QPSK	Low	1930.30	35.85	3.84
		Middle	1948.04	35.67	3.69
		High	1965.30	36.22	4.18
	16QAM	Low	1930.18	35.30	3.39
		Middle	1947.98	35.60	3.63
		High	1965.06	35.29	3.38
	64QAM	Low	1930.12	35.39	3.46
		Middle	1947.98	35.88	3.88
		High	1965.36	35.30	3.39
	256QAM	Low	1930.66	35.43	3.49
		Middle	1947.62	35.66	3.69
		High	1965.60	35.47	3.52

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1930.36	35.27	3.37
		Middle	1948.04	35.91	3.90
		High	1965.24	35.23	3.34
	16QAM	Low	1930.48	35.64	3.66
		Middle	1947.74	36.03	4.01
		High	1965.18	35.79	3.80
	64QAM	Low	1930.54	35.32	3.40
		Middle	1947.56	35.48	3.53
		High	1965.24	35.55	3.59
	256QAM	Low	1930.24	35.42	3.49
		Middle	1947.74	35.87	3.86
		High	1965.18	35.66	3.68
3	QPSK	Low	1930.36	35.54	3.59
		Middle	1947.98	35.62	3.65
		High	1965.48	35.65	3.67
	16QAM	Low	1930.24	35.30	3.39
		Middle	1947.68	35.28	3.37
		High	1965.36	35.23	3.34
	64QAM	Low	1930.24	35.94	3.93
		Middle	1947.68	35.40	3.47
		High	1965.18	35.34	3.42
	256QAM	Low	1930.18	35.96	3.94
		Middle	1947.80	35.97	3.95
		High	1965.42	35.73	3.74

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1930.18	14.49	13.85	14.30	14.31
1947.80	14.77	14.08	14.44	15.43
1965.42	14.89	14.15	13.93	14.72

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1930.24	35.57	3.61
		Middle	1947.92	36.33	4.30
		High	1965.54	35.99	3.97
	16QAM	Low	1930.54	36.42	4.38
		Middle	1947.92	35.58	3.62
		High	1965.54	35.34	3.42
	64QAM	Low	1930.54	35.03	3.19
		Middle	1947.98	35.54	3.58
		High	1965.42	35.77	3.77
	256QAM	Low	1930.42	36.57	4.54
		Middle	1947.80	35.35	3.43
		High	1965.48	35.74	3.75
1	QPSK	Low	1930.48	35.95	3.93
		Middle	1948.22	35.41	3.48
		High	1965.18	35.56	3.60
	16QAM	Low	1930.48	35.87	3.87
		Middle	1947.86	36.30	4.27
		High	1965.36	35.94	3.93
	64QAM	Low	1930.48	36.23	4.20
		Middle	1947.98	35.95	3.93
		High	1965.60	35.73	3.74
	256QAM	Low	1930.60	36.05	4.03
		Middle	1948.10	35.74	3.75
		High	1965.48	36.15	4.12

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1930.18	34.85	3.05
		Middle	1947.98	35.71	3.73
		High	1965.42	35.92	3.90
	16QAM	Low	1930.54	34.71	2.96
		Middle	1948.04	36.14	4.12
		High	1965.36	35.29	3.38
	64QAM	Low	1930.36	34.84	3.05
		Middle	1948.04	35.78	3.79
		High	1965.48	35.47	3.53
	256QAM	Low	1930.36	35.42	3.48
		Middle	1947.98	34.86	3.06
		High	1965.66	34.99	3.15
3	QPSK	Low	1930.72	35.26	3.36
		Middle	1947.98	35.96	3.95
		High	1965.42	35.71	3.73
	16QAM	Low	1930.48	35.00	3.16
		Middle	1947.86	35.54	3.58
		High	1965.48	35.74	3.75
	64QAM	Low	1930.30	35.58	3.62
		Middle	1948.10	35.67	3.69
		High	1965.36	35.34	3.42
	256QAM	Low	1930.60	34.63	2.90
		Middle	1947.98	35.77	3.77
		High	1965.42	34.93	3.11

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1930.60	13.95	14.37	14.06	14.96
1947.98	15.45	15.58	14.99	14.02
1965.42	15.20	14.48	14.46	14.13

B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1959.34	36.31	4.28
		Middle	1976.84	36.82	4.81
		High	1994.16	35.85	3.84
	16QAM	Low	1959.28	36.61	4.59
		Middle	1976.72	36.89	4.89
		High	1994.22	36.15	4.12
	64QAM	Low	1959.28	36.55	4.52
		Middle	1976.54	36.10	4.08
		High	1994.28	36.35	4.31
	256QAM	Low	1959.52	36.85	4.84
		Middle	1976.96	36.32	4.28
		High	1994.28	36.22	4.19
1	QPSK	Low	1959.34	35.96	3.95
		Middle	1976.84	36.98	4.98
		High	1994.28	35.96	3.95
	16QAM	Low	1959.34	36.48	4.45
		Middle	1976.72	37.14	5.17
		High	1994.22	36.21	4.18
	64QAM	Low	1959.46	36.53	4.50
		Middle	1976.90	36.90	4.90
		High	1994.58	36.02	4.00
	256QAM	Low	1959.16	36.48	4.45
		Middle	1976.78	37.11	5.14
		High	1994.34	36.75	4.73

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1959.34	36.42	4.39
		Middle	1976.90	37.05	5.07
		High	1994.46	36.63	4.60
	16QAM	Low	1959.40	36.73	4.70
		Middle	1976.78	36.76	4.74
		High	1994.34	36.06	4.03
	64QAM	Low	1959.34	36.82	4.81
		Middle	1976.84	35.99	3.97
		High	1994.34	36.73	4.71
	256QAM	Low	1959.10	36.02	4.00
		Middle	1976.66	36.56	4.53
		High	1994.34	36.15	4.12
3	QPSK	Low	1959.28	36.56	4.53
		Middle	1977.02	35.87	3.86
		High	1994.40	36.88	4.87
	16QAM	Low	1959.46	36.23	4.20
		Middle	1976.66	36.40	4.36
		High	1994.22	36.10	4.07
	64QAM	Low	1959.22	36.98	4.99
		Middle	1976.84	37.30	5.37
		High	1994.52	36.31	4.28
	256QAM	Low	1959.46	37.14	5.18
		Middle	1976.66	36.39	4.36
		High	1994.40	36.02	4.00

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1959.46	17.14	17.93	18.82	18.46
1976.66	18.73	19.17	18.31	18.31
1994.40	17.26	16.41	17.31	17.04

B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1951.21	33.95	2.48
		Middle	1951.09	33.93	2.47
		High	1979.88	33.95	2.48
	16QAM	Low	1932.52	34.27	2.68
		Middle	1973.84	34.20	2.63
		High	1967.70	34.62	2.90
	64QAM	Low	1940.01	33.93	2.47
		Middle	1948.36	33.79	2.39
		High	1984.01	33.72	2.36
	256QAM	Low	1942.32	33.82	2.41
		Middle	1968.80	33.95	2.48
		High	1972.95	33.70	2.34
1	QPSK	Low	1948.62	34.20	2.63
		Middle	1966.35	34.07	2.55
		High	1963.50	33.94	2.48
	16QAM	Low	1949.25	34.99	3.16
		Middle	1952.70	34.86	3.06
		High	1962.10	34.79	3.01
	64QAM	Low	1941.13	34.15	2.60
		Middle	1954.38	34.22	2.64
		High	1979.53	34.35	2.72
	256QAM	Low	1959.26	34.16	2.61
		Middle	1948.71	33.96	2.49
		High	1983.87	34.09	2.56

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1958.77	33.61	2.30
		Middle	1972.65	33.62	2.30
		High	1967.70	33.58	2.28
	16QAM	Low	1937.98	34.08	2.56
		Middle	1947.73	34.39	2.75
		High	1967.35	34.06	2.55
	64QAM	Low	1938.26	33.78	2.39
		Middle	1951.37	33.55	2.27
		High	1979.81	33.79	2.39
	256QAM	Low	1940.15	33.48	2.23
		Middle	1972.86	33.52	2.25
		High	1970.99	33.85	2.43
3	QPSK	Low	1939.31	33.78	2.39
		Middle	1972.86	34.02	2.52
		High	1972.81	33.75	2.37
	16QAM	Low	1937.56	34.17	2.61
		Middle	1953.19	34.33	2.71
		High	1967.63	34.44	2.78
	64QAM	Low	1958.63	33.78	2.39
		Middle	1967.89	33.95	2.48
		High	1982.26	33.74	2.37
	256QAM	Low	1938.61	33.90	2.45
		Middle	1952.42	33.75	2.37
		High	1965.67	33.89	2.45

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1938.61	9.80	11.00	9.85	9.70
1952.42	9.85	11.15	9.79	9.59
1965.67	9.62	11.23	9.84	9.79

B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1952.48	33.15	2.07
		Middle	1974.50	33.32	2.15
		High	1979.24	33.10	2.04
	16QAM	Low	1948.00	33.40	2.19
		Middle	1970.58	33.68	2.33
		High	1979.48	33.82	2.41
	64QAM	Low	1933.92	33.27	2.12
		Middle	1972.18	33.54	2.26
		High	1979.08	33.55	2.26
	256QAM	Low	1938.48	33.23	2.10
		Middle	1970.10	33.52	2.25
		High	1965.08	33.38	2.18
1	QPSK	Low	1960.80	33.38	2.18
		Middle	1976.74	33.64	2.31
		High	1963.56	33.63	2.31
	16QAM	Low	1934.16	33.60	2.29
		Middle	1966.90	33.95	2.48
		High	1979.08	33.69	2.34
	64QAM	Low	1941.76	33.58	2.28
		Middle	1974.98	33.49	2.24
		High	1981.64	33.70	2.35
	256QAM	Low	1938.80	33.48	2.23
		Middle	1948.66	33.58	2.28
		High	1984.68	33.73	2.36

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1961.44	33.15	2.06
		Middle	1969.54	33.18	2.08
		High	1971.40	33.08	2.03
	16QAM	Low	1954.16	33.19	2.08
		Middle	1946.42	33.23	2.10
		High	1972.68	33.31	2.14
	64QAM	Low	1947.28	33.11	2.05
		Middle	1949.46	33.18	2.08
		High	1971.08	33.08	2.03
	256QAM	Low	1941.84	32.95	1.97
		Middle	1978.98	32.98	1.99
		High	1981.64	33.32	2.15
3	QPSK	Low	1944.40	33.26	2.12
		Middle	1977.70	33.04	2.02
		High	1979.88	33.28	2.13
	16QAM	Low	1934.32	33.66	2.32
		Middle	1966.34	33.46	2.22
		High	1979.40	33.52	2.25
	64QAM	Low	1953.52	33.32	2.15
		Middle	1976.02	33.23	2.10
		High	1977.16	33.30	2.14
	256QAM	Low	1948.00	33.07	2.03
		Middle	1971.22	33.23	2.10
		High	1982.28	33.12	2.05

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1948.00	8.43	8.88	8.60	8.33
1971.22	8.56	9.13	8.68	8.62
1982.28	8.51	9.14	8.78	8.74

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1930.64	34.37	2.73
		Middle	1942.98	33.71	2.35
		High	1955.56	34.25	2.66
	16QAM	Low	1930.32	34.12	2.58
		Middle	1942.98	34.02	2.53
		High	1955.64	34.55	2.85
	64QAM	Low	1930.64	33.85	2.42
		Middle	1943.22	34.42	2.77
		High	1955.56	34.64	2.91
	256QAM	Low	1930.40	33.62	2.30
		Middle	1943.06	34.57	2.86
		High	1955.24	34.33	2.71
1	QPSK	Low	1930.48	34.52	2.83
		Middle	1943.30	34.33	2.71
		High	1955.56	34.89	3.08
	16QAM	Low	1930.72	34.21	2.64
		Middle	1942.90	34.33	2.71
		High	1955.48	34.84	3.05
	64QAM	Low	1930.72	33.51	2.25
		Middle	1942.82	34.45	2.79
		High	1955.48	35.22	3.32
	256QAM	Low	1930.24	34.69	2.95
		Middle	1942.98	34.96	3.13
		High	1955.64	34.85	3.05

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1930.48	34.23	2.65
		Middle	1943.06	33.98	2.50
		High	1955.48	34.59	2.88
	16QAM	Low	1930.48	33.43	2.20
		Middle	1942.90	33.49	2.23
		High	1955.48	34.47	2.80
	64QAM	Low	1930.56	33.76	2.38
		Middle	1943.06	33.55	2.26
		High	1955.56	33.59	2.28
	256QAM	Low	1930.56	33.60	2.29
		Middle	1942.98	33.85	2.43
		High	1955.40	33.53	2.25
3	QPSK	Low	1930.40	33.82	2.41
		Middle	1943.06	34.32	2.71
		High	1955.32	34.29	2.68
	16QAM	Low	1930.32	33.52	2.25
		Middle	1942.90	33.83	2.42
		High	1955.32	33.90	2.45
	64QAM	Low	1930.48	34.26	2.67
		Middle	1942.98	34.26	2.67
		High	1955.40	34.28	2.68
	256QAM	Low	1930.40	33.25	2.11
		Middle	1942.98	34.60	2.89
		High	1955.48	34.24	2.66

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1930.40	10.63	9.67	9.72	9.65
1942.98	10.27	9.88	10.49	11.31
1955.48	11.30	11.15	11.20	10.68

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1969.36	35.53	3.57
		Middle	1981.62	35.25	3.35
		High	1994.20	34.82	3.04
	16QAM	Low	1969.28	35.04	3.19
		Middle	1982.02	35.09	3.23
		High	1994.20	34.87	3.07
	64QAM	Low	1969.20	35.18	3.30
		Middle	1981.70	35.16	3.28
		High	1955.48	34.58	2.87
	256QAM	Low	1969.36	34.91	3.10
		Middle	1942.82	35.05	3.20
		High	1955.56	34.83	3.04
1	QPSK	Low	1969.52	35.01	3.17
		Middle	1981.70	34.99	3.15
		High	1994.36	35.43	3.49
	16QAM	Low	1969.36	35.41	3.48
		Middle	1982.10	35.35	3.43
		High	1994.36	35.57	3.60
	64QAM	Low	1969.36	35.02	3.18
		Middle	1981.78	34.78	3.01
		High	1994.28	35.33	3.41
	256QAM	Low	1930.56	35.02	3.18
		Middle	1981.78	35.74	3.75
		High	1994.28	35.71	3.73

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1969.28	35.50	3.55
		Middle	1981.78	35.68	3.70
		High	1994.28	35.48	3.53
	16QAM	Low	1969.28	35.37	3.44
		Middle	1981.94	34.84	3.05
		High	1994.28	35.39	3.46
	64QAM	Low	1969.28	35.50	3.55
		Middle	1981.86	35.68	3.70
		High	1994.20	34.70	2.95
	256QAM	Low	1969.52	35.69	3.70
		Middle	1981.78	35.48	3.53
		High	1994.44	34.56	2.86
3	QPSK	Low	1969.12	34.59	2.88
		Middle	1981.86	36.00	3.98
		High	1994.36	34.87	3.07
	16QAM	Low	1969.20	35.08	3.22
		Middle	1982.02	34.86	3.06
		High	1955.32	35.15	3.27
	64QAM	Low	1969.44	35.00	3.16
		Middle	1981.70	35.25	3.35
		High	1955.40	34.48	2.80
	256QAM	Low	1969.36	34.96	3.14
		Middle	1981.86	35.00	3.16
		High	1994.20	35.87	3.87

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1969.36	13.17	13.34	13.19	13.11
1981.86	14.18	12.77	13.34	13.64
1994.20	13.12	13.40	12.03	13.49

B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2116.60	34.03	2.53
		Middle	2145.24	34.38	2.74
		High	2168.54	34.08	2.56
	16QAM	Low	2121.70	34.27	2.67
		Middle	2150.91	34.79	3.01
		High	2168.33	34.66	2.93
	64QAM	Low	2122.12	34.13	2.59
		Middle	2150.88	34.36	2.73
		High	2166.47	34.23	2.65
	256QAM	Low	2122.48	33.87	2.44
		Middle	2146.71	34.26	2.67
		High	2167.88	34.33	2.71
1	QPSK	Low	2113.09	33.70	2.34
		Middle	2146.80	34.07	2.55
		High	2167.97	34.04	2.54
	16QAM	Low	2112.97	34.41	2.76
		Middle	2150.46	34.51	2.83
		High	2178.83	34.46	2.79
	64QAM	Low	2113.36	33.85	2.43
		Middle	2148.63	34.20	2.63
		High	2178.50	34.21	2.64
	256QAM	Low	2112.73	33.96	2.49
		Middle	2145.57	34.15	2.60
		High	2165.96	34.25	2.66

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2123.77	33.73	2.36
		Middle	2148.75	34.05	2.54
		High	2167.34	34.07	2.55
	16QAM	Low	2120.05	33.96	2.49
		Middle	2140.95	34.12	2.58
		High	2174.75	34.26	2.67
	64QAM	Low	2121.25	33.73	2.36
		Middle	2146.17	33.85	2.43
		High	2173.37	34.15	2.60
	256QAM	Low	2111.83	33.65	2.32
		Middle	2148.60	33.85	2.42
		High	2175.35	34.19	2.63
3	QPSK	Low	2121.40	33.84	2.42
		Middle	2148.78	34.06	2.55
		High	2172.83	34.06	2.55
	16QAM	Low	2119.48	34.05	2.54
		Middle	2147.01	34.34	2.72
		High	2174.81	34.44	2.78
	64QAM	Low	2122.03	33.75	2.37
		Middle	2151.30	34.35	2.72
		High	2168.12	34.11	2.58
	256QAM	Low	2118.46	33.91	2.46
		Middle	2149.41	34.43	2.77
		High	2174.03	34.30	2.69

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2118.46	9.65	10.47	9.75	9.71
2149.41	10.39	11.14	10.51	10.47
2174.03	10.19	11.17	10.46	10.69

B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2124.58	35.87	3.87
		Middle	2152.17	36.50	4.47
		High	2179.70	35.94	3.93
	16QAM	Low	2124.64	36.15	4.12
		Middle	2152.11	37.01	5.02
		High	2179.46	36.01	3.99
	64QAM	Low	2124.58	36.14	4.11
		Middle	2152.26	36.32	4.29
		High	2179.70	36.43	4.39
	256QAM	Low	2124.70	36.49	4.46
		Middle	2152.35	36.65	4.63
		High	2179.49	35.84	3.83
1	QPSK	Low	2124.82	36.04	4.01
		Middle	2152.02	36.08	4.05
		High	2179.85	36.21	4.18
	16QAM	Low	2124.82	35.46	3.52
		Middle	2152.20	36.41	4.38
		High	2179.52	35.72	3.73
	64QAM	Low	2124.49	35.24	3.34
		Middle	2152.14	36.55	4.52
		High	2179.70	36.07	4.05
	256QAM	Low	2124.52	35.49	3.54
		Middle	2152.26	36.31	4.27
		High	2179.67	36.56	4.53

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2124.55	35.45	3.51
		Middle	2152.14	34.93	3.12
		High	2179.70	35.75	3.76
	16QAM	Low	2124.85	35.36	3.44
		Middle	2152.32	35.80	3.80
		High	2179.85	35.53	3.57
	64QAM	Low	2124.85	35.68	3.70
		Middle	2152.20	36.12	4.09
		High	2179.82	35.57	3.61
	256QAM	Low	2124.76	35.53	3.57
		Middle	2152.50	35.44	3.50
		High	2179.79	35.70	3.71
3	QPSK	Low	2124.61	35.93	3.91
		Middle	2152.26	36.07	4.04
		High	2179.76	35.55	3.59
	16QAM	Low	2124.49	35.54	3.58
		Middle	2152.20	35.79	3.79
		High	2179.55	35.98	3.97
	64QAM	Low	2124.70	35.83	3.83
		Middle	2152.17	36.44	4.40
		High	2179.73	35.76	3.76
	256QAM	Low	2124.85	35.71	3.72
		Middle	2152.26	35.92	3.91
		High	2179.67	35.48	3.53

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2124.85	15.30	14.65	14.98	15.29
2152.26	15.68	16.99	17.30	16.31
2179.67	15.46	15.25	15.81	15.61

B66 LTE 5 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	2131.15	32.96	1.98
		Middle	2155.25	33.44	2.21
		High	2172.70	33.38	2.18
	16QAM	Low	2119.40	33.67	2.33
		Middle	2141.20	33.52	2.25
		High	2158.85	33.38	2.18
	64QAM	Low	2123.20	33.33	2.15
		Middle	2150.70	33.46	2.22
		High	2164.65	33.25	2.11
	256QAM	Low	2117.95	33.27	2.12
		Middle	2149.80	33.31	2.14
		High	2158.10	33.31	2.14
1	QPSK	Low	2128.85	33.43	2.20
		Middle	2145.05	32.93	1.97
		High	2162.65	33.44	2.21
	16QAM	Low	2129.55	33.16	2.07
		Middle	2141.45	33.30	2.14
		High	2164.50	33.67	2.33
	64QAM	Low	2127.65	33.00	1.99
		Middle	2148.30	33.09	2.04
		High	2165.00	33.21	2.09
	256QAM	Low	2129.70	32.97	1.98
		Middle	2155.50	33.22	2.10
		High	2170.75	33.24	2.11

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2131.70	32.93	1.96
		Middle	2146.65	32.89	1.95
		High	2169.15	33.18	2.08
	16QAM	Low	2113.40	33.28	2.13
		Middle	2141.65	33.35	2.16
		High	2169.75	33.37	2.18
	64QAM	Low	2128.80	33.13	2.06
		Middle	2141.35	32.91	1.95
		High	2162.60	33.17	2.07
	256QAM	Low	2131.25	32.94	1.97
		Middle	2149.30	33.04	2.01
		High	2164.55	33.14	2.06
3	QPSK	Low	2133.05	33.25	2.11
		Middle	2152.75	33.23	2.10
		High	2164.25	33.28	2.13
	16QAM	Low	2129.35	33.73	2.36
		Middle	2142.15	33.31	2.14
		High	2164.35	33.44	2.21
	64QAM	Low	2132.75	33.06	2.02
		Middle	2140.55	33.06	2.02
		High	2165.75	33.39	2.18
	256QAM	Low	2110.95	32.99	1.99
		Middle	2154.50	33.11	2.05
		High	2157.35	33.25	2.11

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2110.95	8.26	8.89	8.23	8.06
2154.50	8.22	8.70	8.23	8.30
2157.35	8.59	8.89	8.46	8.42

B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2134.45	36.29	4.26
		Middle	2156.95	35.25	3.35
		High	2179.50	35.05	3.20
	16QAM	Low	2134.35	35.92	3.90
		Middle	2157.00	35.20	3.32
		High	2179.65	35.46	3.52
	64QAM	Low	2134.35	35.37	3.44
		Middle	2157.30	35.09	3.23
		High	2179.55	35.03	3.19
	256QAM	Low	2134.30	35.59	3.62
		Middle	2157.05	35.38	3.45
		High	2179.50	34.14	2.60
1	QPSK	Low	2134.30	35.10	3.24
		Middle	2157.05	34.90	3.09
		High	2179.60	34.60	2.88
	16QAM	Low	2134.25	35.11	3.25
		Middle	2157.20	34.47	2.80
		High	2179.70	34.07	2.55
	64QAM	Low	2134.30	35.15	3.27
		Middle	2157.15	34.86	3.06
		High	2179.65	34.74	2.98
	256QAM	Low	2134.55	35.69	3.70
		Middle	2157.00	35.16	3.28
		High	2179.45	34.79	3.02

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2134.40	35.69	3.70
		Middle	2157.35	34.21	2.64
		High	2179.55	34.59	2.88
	16QAM	Low	2134.35	35.27	3.36
		Middle	2157.00	35.16	3.28
		High	2179.55	34.86	3.06
	64QAM	Low	2134.45	35.58	3.61
		Middle	2157.10	34.88	3.08
		High	2179.65	34.91	3.10
	256QAM	Low	2134.35	35.27	3.36
		Middle	2157.05	33.90	2.46
		High	2179.40	34.42	2.77
3	QPSK	Low	2134.50	35.63	3.65
		Middle	2157.10	35.32	3.41
		High	2179.65	34.70	2.95
	16QAM	Low	2134.40	35.59	3.62
		Middle	2157.20	34.95	3.13
		High	2179.60	34.16	2.60
	64QAM	Low	2134.35	36.02	4.00
		Middle	2157.30	34.77	3.00
		High	2179.40	34.89	3.08
	256QAM	Low	2134.35	35.50	3.55
		Middle	2157.05	35.52	3.56
		High	2179.75	34.42	2.77

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2134.35	14.85	14.13	14.33	14.24
2157.05	12.49	12.52	12.37	12.75
2179.75	11.91	11.74	12.34	11.15

B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2127.68	34.32	2.70
		Middle	2136.48	34.09	2.56
		High	2168.20	34.52	2.83
	16QAM	Low	2126.64	34.23	2.65
		Middle	2142.32	34.52	2.83
		High	2168.28	34.64	2.91
	64QAM	Low	2123.24	34.29	2.68
		Middle	2150.68	34.36	2.73
		High	2167.36	34.56	2.86
	256QAM	Low	2124.48	34.25	2.66
		Middle	2137.80	34.17	2.61
		High	2163.44	34.28	2.68
1	QPSK	Low	2127.68	34.03	2.53
		Middle	2152.16	33.96	2.49
		High	2161.76	34.29	2.69
	16QAM	Low	2114.72	34.32	2.71
		Middle	2153.40	34.30	2.69
		High	2164.72	34.45	2.79
	64QAM	Low	2128.24	33.93	2.47
		Middle	2151.40	34.18	2.62
		High	2173.88	34.25	2.66
	256QAM	Low	2127.16	34.38	2.74
		Middle	2148.08	34.13	2.59
		High	2174.44	34.27	2.67

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2114.48	33.74	2.37
		Middle	2147.80	33.79	2.39
		High	2173.08	34.14	2.59
	16QAM	Low	2124.28	34.11	2.58
		Middle	2143.16	34.13	2.59
		High	2164.28	34.34	2.71
	64QAM	Low	2126.96	33.80	2.40
		Middle	2151.64	33.82	2.41
		High	2172.68	33.92	2.47
	256QAM	Low	2113.08	33.85	2.43
		Middle	2151.32	33.95	2.48
		High	2172.16	33.98	2.50
3	QPSK	Low	2128.04	34.05	2.54
		Middle	2137.84	34.29	2.68
		High	2163.56	34.20	2.63
	16QAM	Low	2124.92	34.38	2.74
		Middle	2151.92	34.45	2.79
		High	2164.64	34.68	2.94
	64QAM	Low	2127.24	34.18	2.62
		Middle	2153.16	34.27	2.67
		High	2166.00	34.16	2.61
	256QAM	Low	2116.76	33.97	2.49
		Middle	2150.00	34.25	2.66
		High	2174.56	34.41	2.76

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2116.76	10.14	10.68	10.17	10.32
2150.00	10.13	10.90	10.43	10.35
2174.56	10.75	11.35	10.60	10.60

B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2110.44	35.96	3.94
		Middle	2135.28	35.89	3.88
		High	2160.28	36.28	4.25
	16QAM	Low	2110.24	34.76	3.00
		Middle	2135.48	35.50	3.55
		High	2160.32	35.46	3.52
	64QAM	Low	2110.24	34.98	3.15
		Middle	2135.24	35.63	3.66
		High	2160.12	36.63	4.60
	256QAM	Low	2110.40	35.30	3.39
		Middle	2135.32	35.67	3.69
		High	2160.52	35.90	3.89
1	QPSK	Low	2110.24	35.04	3.19
		Middle	2135.24	35.24	3.35
		High	2160.32	35.74	3.75
	16QAM	Low	2110.40	35.48	3.53
		Middle	2135.36	35.12	3.25
		High	2160.60	35.45	3.50
	64QAM	Low	2110.44	35.18	3.29
		Middle	2135.12	35.65	3.67
		High	2160.28	35.74	3.75
	256QAM	Low	2110.40	35.36	3.43
		Middle	2135.24	35.55	3.59
		High	2160.28	35.56	3.60

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2110.24	35.35	3.43
		Middle	2135.28	35.21	3.32
		High	2160.32	35.59	3.62
	16QAM	Low	2110.52	34.80	3.02
		Middle	2135.24	35.89	3.88
		High	2160.24	35.24	3.34
	64QAM	Low	2110.48	35.10	3.24
		Middle	2135.48	35.79	3.79
		High	2160.32	35.41	3.47
	256QAM	Low	2110.36	35.33	3.41
		Middle	2135.36	35.14	3.27
		High	2160.32	35.77	3.77
3	QPSK	Low	2110.36	35.45	3.51
		Middle	2135.20	35.90	3.89
		High	2160.32	35.68	3.70
	16QAM	Low	2110.20	35.37	3.45
		Middle	2135.12	35.85	3.84
		High	2160.36	35.43	3.49
	64QAM	Low	2110.48	35.99	3.97
		Middle	2135.44	35.39	3.46
		High	2160.36	35.44	3.50
	256QAM	Low	2110.48	35.04	3.19
		Middle	2135.44	35.81	3.81
		High	2160.12	35.89	3.89

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2110.48	14.07	12.99	13.65	13.42
2135.44	14.43	14.52	14.58	14.36
2160.12	15.32	13.86	15.32	15.15

B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2129.84	35.84	3.83
		Middle	2154.80	36.55	4.52
		High	2179.60	35.82	3.82
	16QAM	Low	2129.96	35.54	3.58
		Middle	2154.72	37.01	5.02
		High	2160.32	36.35	4.31
	64QAM	Low	2129.88	35.36	3.44
		Middle	2154.56	36.10	4.07
		High	2160.32	35.99	3.97
	256QAM	Low	2129.56	35.35	3.43
		Middle	2154.84	36.26	4.22
		High	2160.36	35.75	3.76
1	QPSK	Low	2129.52	35.88	3.88
		Middle	2154.56	35.98	3.96
		High	2179.64	35.68	3.69
	16QAM	Low	2129.60	35.34	3.42
		Middle	2154.68	36.47	4.44
		High	2179.88	36.17	4.14
	64QAM	Low	2129.76	36.01	3.99
		Middle	2154.84	35.71	3.72
		High	2179.68	36.00	3.98
	256QAM	Low	2129.80	35.69	3.71
		Middle	2135.28	35.58	3.61
		High	2160.20	35.67	3.69

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	2129.72	36.20	4.17
		Middle	2154.96	36.09	4.06
		High	2160.36	36.18	4.15
	16QAM	Low	2129.64	36.03	4.01
		Middle	2154.84	36.41	4.37
		High	2160.36	36.48	4.44
	64QAM	Low	2129.68	36.34	4.31
		Middle	2154.52	36.21	4.18
		High	2179.76	36.19	4.16
	256QAM	Low	2129.84	36.14	4.11
		Middle	2154.68	36.31	4.27
		High	2179.84	36.48	4.44
3	QPSK	Low	2129.64	35.68	3.70
		Middle	2154.64	36.03	4.00
		High	2160.36	35.61	3.64
	16QAM	Low	2129.72	35.42	3.48
		Middle	2154.80	35.63	3.66
		High	2179.84	35.77	3.77
	64QAM	Low	2110.40	35.60	3.63
		Middle	2154.68	36.24	4.21
		High	2179.72	35.83	3.82
	256QAM	Low	2129.60	35.77	3.78
		Middle	2154.60	36.09	4.06
		High	2160.12	35.92	3.91

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2129.60	15.58	14.50	15.37	15.02
2154.60	16.54	17.49	16.18	16.17
2160.12	15.31	16.67	15.94	15.80

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1937.08	34.61	2.89
		Middle	1972.82	34.53	2.84
		High	1977.90	34.78	3.01
	16QAM	Low	1932.10	34.80	3.02
		Middle	1971.08	35.25	3.35
		High	1979.64	34.93	3.11
	64QAM	Low	1949.14	34.54	2.84
		Middle	1970.24	34.53	2.84
		High	1978.62	34.79	3.01
	256QAM	Low	1954.06	34.59	2.88
		Middle	1970.42	34.67	2.93
		High	1981.80	34.81	3.03
1	QPSK	Low	1933.84	35.04	3.19
		Middle	1971.44	34.99	3.16
		High	1980.42	35.30	3.39
	16QAM	Low	1932.64	35.19	3.30
		Middle	1961.60	35.31	3.40
		High	1979.22	35.32	3.40
	64QAM	Low	1947.88	34.73	2.98
		Middle	1969.88	34.91	3.10
		High	1986.96	35.27	3.36
	256QAM	Low	1948.42	35.03	3.18
		Middle	1960.76	34.94	3.12
		High	1984.26	35.14	3.26

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1948.42	34.37	2.74
		Middle	1949.06	34.50	2.82
		High	1967.70	34.52	2.83
	16QAM	Low	1948.30	34.64	2.91
		Middle	1960.94	34.93	3.12
		High	1978.74	35.28	3.38
	64QAM	Low	1949.08	34.32	2.70
		Middle	1972.94	34.59	2.88
		High	1976.58	34.46	2.79
	256QAM	Low	1938.94	34.47	2.80
		Middle	1970.66	34.60	2.88
		High	1988.40	34.47	2.80
3	QPSK	Low	1933.18	34.67	2.93
		Middle	1961.66	34.61	2.89
		High	1979.94	34.92	3.11
	16QAM	Low	1939.06	34.99	3.16
		Middle	1949.60	34.81	3.03
		High	1979.22	35.19	3.30
	64QAM	Low	1952.20	34.50	2.82
		Middle	1950.26	34.49	2.81
		High	1981.26	34.81	3.03
	256QAM	Low	1949.20	34.71	2.96
		Middle	1964.96	34.59	2.88
		High	1981.20	34.84	3.05

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1949.20	11.75	12.39	11.34	11.82
1964.96	11.70	12.89	11.63	11.81
1981.20	12.34	13.19	12.19	12.14

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1959.22	36.07	4.05
		Middle	1976.60	36.57	4.54
		High	1994.28	36.09	4.06
	16QAM	Low	1959.16	36.13	4.10
		Middle	1976.84	37.00	5.01
		High	1994.22	36.36	4.32
	64QAM	Low	1959.34	36.40	4.36
		Middle	1976.90	36.05	4.03
		High	1994.28	35.79	3.79
	256QAM	Low	1959.40	36.77	4.75
		Middle	1976.96	36.51	4.48
		High	1994.40	36.00	3.98
1	QPSK	Low	1959.46	36.97	4.97
		Middle	1976.66	37.03	5.04
		High	1994.40	35.97	3.95
	16QAM	Low	1959.58	35.66	3.68
		Middle	1976.72	36.93	4.94
		High	1994.10	36.20	4.17
	64QAM	Low	1959.40	36.50	4.46
		Middle	1976.90	37.45	5.56
		High	1994.28	35.89	3.88
	256QAM	Low	1959.40	36.77	4.76
		Middle	1976.54	36.66	4.63
		High	1994.22	36.48	4.44

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1959.22	36.68	4.65
		Middle	1976.78	36.26	4.23
		High	1994.34	35.68	3.70
	16QAM	Low	1959.34	36.30	4.27
		Middle	1976.78	36.62	4.59
		High	1994.52	35.61	3.64
	64QAM	Low	1959.34	36.90	4.90
		Middle	1976.84	36.96	4.97
		High	1994.46	35.53	3.58
	256QAM	Low	1959.28	36.27	4.23
		Middle	1976.84	36.57	4.54
		High	1994.34	36.30	4.27
3	QPSK	Low	1959.46	36.96	4.97
		Middle	1976.66	36.34	4.31
		High	1994.16	36.60	4.57
	16QAM	Low	1959.46	36.85	4.84
		Middle	1976.96	36.37	4.34
		High	1994.46	35.93	3.92
	64QAM	Low	1959.40	36.45	4.42
		Middle	1976.84	36.74	4.72
		High	1994.16	36.07	4.04
	256QAM	Low	1959.40	36.26	4.23
		Middle	1976.72	36.96	4.96
		High	1994.34	36.15	4.12

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1959.40	18.64	16.90	18.14	17.97
1976.72	18.12	18.87	19.28	18.61
1994.34	16.29	16.05	15.29	16.81

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1951.06	32.89	1.94
		Middle	1971.41	32.36	1.72
		High	1967.28	32.47	1.77
	16QAM	Low	1972.39	32.97	1.98
		Middle	1968.98	33.14	2.06
		High	1983.66	32.68	1.85
	64QAM	Low	1940.08	32.57	1.81
		Middle	1951.88	32.44	1.76
		High	1964.22	32.61	1.83
	256QAM	Low	1951.15	32.57	1.81
		Middle	1971.68	32.77	1.89
		High	1977.45	32.65	1.84
1	QPSK	Low	1960.96	32.87	1.94
		Middle	1973.03	32.67	1.85
		High	1989.24	32.77	1.89
	16QAM	Low	1959.34	32.97	1.98
		Middle	1949.09	33.07	2.03
		High	1978.89	33.54	2.26
	64QAM	Low	1933.06	32.78	1.90
		Middle	1979.51	32.76	1.89
		High	1969.08	32.97	1.98
	256QAM	Low	1949.71	32.83	1.92
		Middle	1972.31	32.96	1.98
		High	1964.31	32.90	1.95

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1967.35	32.35	1.72
		Middle	1951.07	32.35	1.72
		High	1982.31	32.45	1.76
	16QAM	Low	1969.42	32.96	1.97
		Middle	1949.18	32.81	1.91
		High	1979.61	32.75	1.88
	64QAM	Low	1951.78	32.24	1.68
		Middle	1960.79	32.56	1.80
		High	1957.65	32.61	1.82
	256QAM	Low	1959.52	32.45	1.76
		Middle	1959.08	32.51	1.78
		High	1958.55	32.38	1.73
3	QPSK	Low	1952.68	32.47	1.77
		Middle	1971.50	32.54	1.79
		High	1986.54	32.61	1.82
	16QAM	Low	1959.16	32.66	1.85
		Middle	1969.43	32.99	1.99
		High	1969.08	33.09	2.04
	64QAM	Low	1933.33	32.63	1.83
		Middle	1962.32	32.70	1.86
		High	1977.99	32.77	1.89
	256QAM	Low	1952.14	32.82	1.91
		Middle	1960.97	32.70	1.86
		High	1983.30	32.66	1.84

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1952.14	7.37	7.79	7.21	7.39
1960.97	7.09	7.99	7.31	7.51
1983.30	7.24	8.04	7.52	7.36

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1974.28	34.02	2.52
		Middle	1984.10	34.33	2.71
		High	1994.37	34.11	2.57
	16QAM	Low	1974.46	34.69	2.94
		Middle	1984.28	34.84	3.05
		High	1994.37	34.42	2.77
	64QAM	Low	1974.46	34.06	2.55
		Middle	1984.28	34.09	2.56
		High	1994.46	33.97	2.49
	256QAM	Low	1974.37	33.87	2.44
		Middle	1984.37	35.06	3.21
		High	1994.19	34.72	2.96
1	QPSK	Low	1974.46	34.76	2.99
		Middle	1984.37	34.65	2.91
		High	1994.28	34.26	2.67
	16QAM	Low	1974.28	34.89	3.08
		Middle	1984.28	34.70	2.95
		High	1994.28	34.97	3.14
	64QAM	Low	1974.46	35.10	3.24
		Middle	1984.28	35.05	3.20
		High	1994.19	34.33	2.71
	256QAM	Low	1974.37	34.37	2.73
		Middle	1984.19	34.48	2.80
		High	1994.28	34.28	2.68

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	1974.28	34.96	3.13
		Middle	1984.37	34.31	2.70
		High	1994.28	34.53	2.84
	16QAM	Low	1974.28	34.54	2.84
		Middle	1984.37	34.48	2.80
		High	1994.19	34.01	2.52
	64QAM	Low	1974.37	34.45	2.79
		Middle	1984.37	34.83	3.04
		High	1994.28	34.31	2.70
	256QAM	Low	1974.37	34.44	2.78
		Middle	1984.37	35.18	3.30
		High	1994.46	34.61	2.89
3	QPSK	Low	1974.28	34.76	2.99
		Middle	1984.10	34.83	3.04
		High	1994.28	34.71	2.96
	16QAM	Low	1974.37	35.33	3.41
		Middle	1984.28	34.29	2.68
		High	1994.19	34.54	2.85
	64QAM	Low	1974.46	34.43	2.78
		Middle	1984.46	34.94	3.12
		High	1994.28	34.94	3.12
	256QAM	Low	1974.28	34.40	2.76
		Middle	1984.64	34.60	2.88
		High	1994.46	35.05	3.20

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1974.28	11.63	12.28	11.35	10.71
1984.64	11.36	11.48	11.92	12.19
1994.46	11.04	11.27	11.01	11.73

Tabular Data of Non-Contiguous PSD

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1932.50 + 1985.00	34.42	2.77
0	16QAM	1932.50 + 1985.00	34.79	3.01
0	64QAM	1932.50 + 1985.00	34.32	2.70
0	256QAM	1932.50 + 1985.00	34.37	2.73
1	QPSK	1932.50 + 1985.00	34.60	2.89
1	16QAM	1932.50 + 1985.00	35.05	3.20
1	64QAM	1932.50 + 1985.00	34.83	3.04
1	256QAM	1932.50 + 1985.00	34.72	2.96
2	QPSK	1932.50 + 1985.00	34.17	2.61
2	16QAM	1932.50 + 1985.00	34.35	2.72
2	64QAM	1932.50 + 1985.00	34.41	2.76
2	256QAM	1932.50 + 1985.00	34.10	2.57
3	QPSK	1932.50 + 1985.00	34.46	2.79
3	16QAM	1932.50 + 1985.00	34.76	2.99
3	64QAM	1932.50 + 1985.00	34.31	2.70
3	256QAM	1932.50 + 1985.00	34.68	2.94

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1932.50 + 1985.00	11.06	11.93	11.20	11.20

B25 LTE 10 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1935.00 + 1985.00	34.47	2.80
	16QAM	1935.00 + 1985.00	34.69	2.94
	64QAM	1935.00 + 1985.00	34.63	2.91
	256QAM	1935.00 + 1985.00	34.40	2.76
1	QPSK	1935.00 + 1985.00	35.02	3.18
	16QAM	1935.00 + 1985.00	35.13	3.26
	64QAM	1935.00 + 1985.00	35.01	3.17
	256QAM	1935.00 + 1985.00	34.84	3.05
2	QPSK	1935.00 + 1985.00	34.12	2.58
	16QAM	1935.00 + 1985.00	34.85	3.05
	64QAM	1935.00 + 1985.00	34.30	2.69
	256QAM	1935.00 + 1985.00	34.34	2.71
3	QPSK	1935.00 + 1985.00	34.51	2.83
	16QAM	1935.00 + 1985.00	34.94	3.12
	64QAM	1935.00 + 1985.00	34.43	2.77
	256QAM	1935.00 + 1985.00	34.47	2.80

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1935.00 + 1985.00	11.38	12.37	11.54	11.32

B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1935.00 + 1985.00	35.73	3.74
	16QAM	1935.00 + 1985.00	35.24	3.34
	64QAM	1935.00 + 1985.00	35.47	3.52
	256QAM	1935.00 + 1985.00	35.46	3.51
1	QPSK	1935.00 + 1985.00	35.65	3.67
	16QAM	1935.00 + 1985.00	35.42	3.48
	64QAM	1935.00 + 1985.00	36.01	3.99
	256QAM	1935.00 + 1985.00	35.84	3.84
2	QPSK	1935.00 + 1985.00	35.48	3.53
	16QAM	1935.00 + 1985.00	35.46	3.51
	64QAM	1935.00 + 1985.00	35.40	3.47
	256QAM	1935.00 + 1985.00	35.33	3.41
3	QPSK	1935.00 + 1985.00	35.29	3.38
	16QAM	1935.00 + 1985.00	34.99	3.16
	64QAM	1935.00 + 1985.00	35.26	3.36
	256QAM	1935.00 + 1985.00	35.42	3.49

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1935.00 + 1985.00	14.33	13.49	14.34	14.24

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1940.00 + 1990.00	35.33	3.41
	16QAM	1940.00 + 1990.00	34.98	3.14
	64QAM	1940.00 + 1990.00	35.53	3.58
	256QAM	1940.00 + 1990.00	35.53	3.57
1	QPSK	1940.00 + 1990.00	35.54	3.58
	16QAM	1940.00 + 1990.00	35.93	3.92
	64QAM	1940.00 + 1990.00	36.08	4.06
	256QAM	1940.00 + 1990.00	35.80	3.80
2	QPSK	1940.00 + 1990.00	35.25	3.35
	16QAM	1940.00 + 1990.00	35.05	3.20
	64QAM	1940.00 + 1990.00	35.03	3.18
	256QAM	1940.00 + 1990.00	35.43	3.49
3	QPSK	1940.00 + 1990.00	35.34	3.42
	16QAM	1940.00 + 1990.00	35.64	3.66
	64QAM	1940.00 + 1990.00	35.72	3.74
	256QAM	1940.00 + 1990.00	35.04	3.19

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1940.00 + 1990.00	13.76	13.92	14.55	14.05

B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1935.00 + 1985.00	36.60	4.57
0	16QAM	1935.00 + 1985.00	36.09	4.06
0	64QAM	1935.00 + 1985.00	36.14	4.11
0	256QAM	1935.00 + 1985.00	36.04	4.02
1	QPSK	1935.00 + 1985.00	36.49	4.46
1	16QAM	1935.00 + 1985.00	36.31	4.28
1	64QAM	1935.00 + 1985.00	36.38	4.35
1	256QAM	1935.00 + 1985.00	36.29	4.26
2	QPSK	1935.00 + 1985.00	36.48	4.45
2	16QAM	1935.00 + 1985.00	35.81	3.81
2	64QAM	1935.00 + 1985.00	36.20	4.17
2	256QAM	1935.00 + 1985.00	36.38	4.34
3	QPSK	1935.00 + 1985.00	36.36	4.33
3	16QAM	1935.00 + 1985.00	35.99	3.97
3	64QAM	1935.00 + 1985.00	36.75	4.73
3	256QAM	1935.00 + 1985.00	36.12	4.10

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1935.00 + 1985.00	17.80	16.13	17.36	16.71

B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1937.50 + 1985.00	33.93	2.47
	16QAM	1937.50 + 1985.00	34.28	2.68
	64QAM	1937.50 + 1985.00	33.86	2.43
	256QAM	1937.50 + 1985.00	33.25	2.11
1	QPSK	1937.50 + 1985.00	34.01	2.52
	16QAM	1937.50 + 1985.00	34.70	2.95
	64QAM	1937.50 + 1985.00	34.03	2.53
	256QAM	1937.50 + 1985.00	34.03	2.53
2	QPSK	1937.50 + 1985.00	33.63	2.31
	16QAM	1937.50 + 1985.00	33.95	2.48
	64QAM	1937.50 + 1985.00	33.46	2.22
	256QAM	1937.50 + 1985.00	33.50	2.24
3	QPSK	1937.50 + 1985.00	33.72	2.36
	16QAM	1937.50 + 1985.00	34.26	2.67
	64QAM	1937.50 + 1985.00	33.92	2.46
	256QAM	1937.50 + 1985.00	33.97	2.50

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1937.50 + 1985.00	9.65	10.79	9.64	9.38

B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1940.00 + 1985.00	33.16	2.07
	16QAM	1940.00 + 1985.00	33.55	2.26
	64QAM	1940.00 + 1985.00	33.27	2.12
	256QAM	1940.00 + 1985.00	33.47	2.22
1	QPSK	1940.00 + 1985.00	33.59	2.29
	16QAM	1940.00 + 1985.00	33.91	2.46
	64QAM	1940.00 + 1985.00	33.55	2.26
	256QAM	1940.00 + 1985.00	33.44	2.21
2	QPSK	1940.00 + 1985.00	33.08	2.03
	16QAM	1940.00 + 1985.00	33.37	2.17
	64QAM	1940.00 + 1985.00	32.99	1.99
	256QAM	1940.00 + 1985.00	33.10	2.04
3	QPSK	1940.00 + 1985.00	33.23	2.10
	16QAM	1940.00 + 1985.00	33.71	2.35
	64QAM	1940.00 + 1985.00	33.29	2.13
	256QAM	1940.00 + 1985.00	33.47	2.22

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1940.00 + 1985.00	8.49	9.24	8.51	8.70

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1940.00 + 1985.00	33.84	2.42
	16QAM	1940.00 + 1985.00	34.53	2.84
	64QAM	1940.00 + 1985.00	33.99	2.51
	256QAM	1940.00 + 1985.00	34.50	2.82
1	QPSK	1940.00 + 1985.00	34.75	2.99
	16QAM	1940.00 + 1985.00	34.47	2.80
	64QAM	1940.00 + 1985.00	34.97	3.14
	256QAM	1940.00 + 1985.00	35.04	3.19
2	QPSK	1940.00 + 1985.00	34.07	2.55
	16QAM	1940.00 + 1985.00	33.78	2.39
	64QAM	1940.00 + 1985.00	34.36	2.73
	256QAM	1940.00 + 1985.00	34.45	2.79
3	QPSK	1940.00 + 1985.00	34.28	2.68
	16QAM	1940.00 + 1985.00	34.59	2.88
	64QAM	1940.00 + 1985.00	33.85	2.43
	256QAM	1940.00 + 1985.00	34.29	2.69

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1940.00 + 1985.00	10.64	10.90	10.80	11.48

B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1940.00 + 1985.00	34.72	2.97
	16QAM	1940.00 + 1985.00	35.16	3.28
	64QAM	1940.00 + 1985.00	34.90	3.09
	256QAM	1940.00 + 1985.00	35.49	3.54
1	QPSK	1940.00 + 1985.00	34.87	3.07
	16QAM	1940.00 + 1985.00	34.89	3.08
	64QAM	1940.00 + 1985.00	34.81	3.03
	256QAM	1940.00 + 1985.00	35.09	3.23
2	QPSK	1940.00 + 1985.00	34.83	3.04
	16QAM	1940.00 + 1985.00	34.56	2.86
	64QAM	1940.00 + 1985.00	35.01	3.17
	256QAM	1940.00 + 1985.00	35.21	3.32
3	QPSK	1940.00 + 1985.00	34.95	3.13
	16QAM	1940.00 + 1985.00	35.13	3.26
	64QAM	1940.00 + 1985.00	35.09	3.23
	256QAM	1940.00 + 1985.00	35.11	3.24

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1940.00 + 1985.00	12.20	12.48	12.52	13.33

B66 LTE 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	2115.00 + 2177.50	34.17	2.61
	16QAM	2115.00 + 2177.50	34.26	2.66
	64QAM	2115.00 + 2177.50	34.24	2.65
	256QAM	2115.00 + 2177.50	34.24	2.66
1	QPSK	2115.00 + 2177.50	34.15	2.60
	16QAM	2115.00 + 2177.50	34.46	2.79
	64QAM	2115.00 + 2177.50	34.52	2.83
	256QAM	2115.00 + 2177.50	34.45	2.79
2	QPSK	2115.00 + 2177.50	34.24	2.65
	16QAM	2115.00 + 2177.50	34.48	2.81
	64QAM	2115.00 + 2177.50	34.18	2.62
	256QAM	2115.00 + 2177.50	34.26	2.67
3	QPSK	2115.00 + 2177.50	34.22	2.64
	16QAM	2115.00 + 2177.50	34.71	2.96
	64QAM	2115.00 + 2177.50	34.09	2.56
	256QAM	2115.00 + 2177.50	34.16	2.60

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2115.00 + 2177.50	10.50	11.22	10.66	10.71

B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2175.00	36.40	4.36
0	16QAM	2112.50 + 2175.00	35.89	3.88
0	64QAM	2112.50 + 2175.00	35.26	3.36
0	256QAM	2112.50 + 2175.00	35.85	3.84
1	QPSK	2112.50 + 2175.00	35.81	3.81
1	16QAM	2112.50 + 2175.00	35.74	3.75
1	64QAM	2112.50 + 2175.00	36.00	3.98
1	256QAM	2112.50 + 2175.00	35.77	3.77
2	QPSK	2112.50 + 2175.00	35.72	3.73
2	16QAM	2112.50 + 2175.00	35.87	3.86
2	64QAM	2112.50 + 2175.00	36.08	4.05
2	256QAM	2112.50 + 2175.00	35.42	3.48
3	QPSK	2112.50 + 2175.00	36.14	4.11
3	16QAM	2112.50 + 2175.00	35.92	3.91
3	64QAM	2112.50 + 2175.00	36.13	4.10
3	256QAM	2112.50 + 2175.00	35.44	3.50

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2112.50 + 2175.00	16.02	15.40	15.50	14.60

B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2170.00	33.55	2.27
	16QAM	2112.50 + 2170.00	33.93	2.47
	64QAM	2112.50 + 2170.00	33.76	2.38
	256QAM	2112.50 + 2170.00	33.51	2.24
1	QPSK	2112.50 + 2170.00	33.28	2.13
	16QAM	2112.50 + 2170.00	33.79	2.40
	64QAM	2112.50 + 2170.00	33.35	2.16
	256QAM	2112.50 + 2170.00	33.20	2.09
2	QPSK	2112.50 + 2170.00	33.12	2.05
	16QAM	2112.50 + 2170.00	33.68	2.34
	64QAM	2112.50 + 2170.00	33.15	2.06
	256QAM	2112.50 + 2170.00	33.14	2.06
3	QPSK	2112.50 + 2170.00	33.20	2.09
	16QAM	2112.50 + 2170.00	33.67	2.33
	64QAM	2112.50 + 2170.00	33.16	2.07
	256QAM	2112.50 + 2170.00	33.21	2.09

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2112.50 + 2170.00	8.54	9.53	8.67	8.49

B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2112.50 + 2170.00	35.27	3.37
	16QAM	2112.50 + 2170.00	35.56	3.60
	64QAM	2112.50 + 2170.00	36.14	4.11
	256QAM	2112.50 + 2170.00	35.67	3.69
1	QPSK	2112.50 + 2170.00	35.05	3.20
	16QAM	2112.50 + 2170.00	34.72	2.96
	64QAM	2112.50 + 2170.00	35.24	3.34
	256QAM	2112.50 + 2170.00	34.73	2.97
2	QPSK	2112.50 + 2170.00	35.39	3.46
	16QAM	2112.50 + 2170.00	35.60	3.63
	64QAM	2112.50 + 2170.00	35.39	3.46
	256QAM	2112.50 + 2170.00	35.27	3.36
3	QPSK	2112.50 + 2170.00	35.12	3.25
	16QAM	2112.50 + 2170.00	35.27	3.37
	64QAM	2112.50 + 2170.00	35.15	3.27
	256QAM	2112.50 + 2170.00	35.71	3.72

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2112.50 + 2170.00	13.28	13.56	14.19	13.74

B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2115.00 + 2175.00	34.07	2.55
	16QAM	2115.00 + 2175.00	34.77	3.00
	64QAM	2115.00 + 2175.00	34.06	2.54
	256QAM	2115.00 + 2175.00	34.13	2.59
1	QPSK	2115.00 + 2175.00	34.20	2.63
	16QAM	2115.00 + 2175.00	34.48	2.81
	64QAM	2115.00 + 2175.00	34.20	2.63
	256QAM	2115.00 + 2175.00	34.35	2.72
2	QPSK	2115.00 + 2175.00	34.14	2.59
	16QAM	2115.00 + 2175.00	34.29	2.68
	64QAM	2115.00 + 2175.00	34.14	2.60
	256QAM	2115.00 + 2175.00	34.39	2.75
3	QPSK	2115.00 + 2175.00	34.13	2.59
	16QAM	2115.00 + 2175.00	34.48	2.80
	64QAM	2115.00 + 2175.00	34.23	2.65
	256QAM	2115.00 + 2175.00	34.23	2.65

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2115.00 + 2175.00	10.37	11.29	10.42	10.71

B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2115.00 + 2175.00	35.07	3.21
	16QAM	2115.00 + 2175.00	35.44	3.50
	64QAM	2115.00 + 2175.00	34.95	3.13
	256QAM	2115.00 + 2175.00	35.24	3.34
1	QPSK	2115.00 + 2175.00	34.78	3.01
	16QAM	2115.00 + 2175.00	35.44	3.50
	64QAM	2115.00 + 2175.00	35.14	3.27
	256QAM	2115.00 + 2175.00	34.74	2.98
2	QPSK	2115.00 + 2175.00	35.13	3.26
	16QAM	2115.00 + 2175.00	35.25	3.35
	64QAM	2115.00 + 2175.00	35.21	3.32
	256QAM	2115.00 + 2175.00	34.87	3.07
3	QPSK	2115.00 + 2175.00	36.02	4.00
	16QAM	2115.00 + 2175.00	35.15	3.27
	64QAM	2115.00 + 2175.00	35.62	3.64
	256QAM	2115.00 + 2175.00	35.58	3.61

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2115.00 + 2175.00	13.48	13.62	13.36	13.00

B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2115.00 + 2175.00	36.12	4.09
	16QAM	2115.00 + 2175.00	36.32	4.29
	64QAM	2115.00 + 2175.00	35.60	3.63
	256QAM	2115.00 + 2175.00	35.56	3.60
1	QPSK	2115.00 + 2175.00	35.83	3.83
	16QAM	2115.00 + 2175.00	35.91	3.90
	64QAM	2115.00 + 2175.00	35.45	3.50
	256QAM	2115.00 + 2175.00	36.08	4.06
2	QPSK	2115.00 + 2175.00	36.29	4.26
	16QAM	2115.00 + 2175.00	35.39	3.46
	64QAM	2115.00 + 2175.00	35.74	3.75
	256QAM	2115.00 + 2175.00	35.81	3.81
3	QPSK	2115.00 + 2175.00	35.70	3.71
	16QAM	2115.00 + 2175.00	36.55	4.52
	64QAM	2115.00 + 2175.00	36.25	4.22
	256QAM	2115.00 + 2175.00	36.58	4.55

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
2115.00 + 2175.00	15.89	16.16	15.11	16.01

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1932.50 + (1972.50 + 1985.00)	34.43	2.77
	16QAM	1932.50 + (1972.50 + 1985.00)	34.87	3.07
	64QAM	1932.50 + (1972.50 + 1985.00)	34.37	2.73
	256QAM	1932.50 + (1972.50 + 1985.00)	34.39	2.75
1	QPSK	1932.50 + (1972.50 + 1985.00)	34.78	3.01
	16QAM	1932.50 + (1972.50 + 1985.00)	35.29	3.38
	64QAM	1932.50 + (1972.50 + 1985.00)	34.84	3.05
	256QAM	1932.50 + (1972.50 + 1985.00)	34.88	3.08
2	QPSK	1932.50 + (1972.50 + 1985.00)	34.16	2.61
	16QAM	1932.50 + (1972.50 + 1985.00)	34.52	2.83
	64QAM	1932.50 + (1972.50 + 1985.00)	34.15	2.60
	256QAM	1932.50 + (1972.50 + 1985.00)	34.31	2.70
3	QPSK	1932.50 + (1972.50 + 1985.00)	34.16	2.61
	16QAM	1932.50 + (1972.50 + 1985.00)	34.67	2.93
	64QAM	1932.50 + (1972.50 + 1985.00)	34.39	2.74
	256QAM	1932.50 + (1972.50 + 1985.00)	34.32	2.70

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1932.50 + (1972.50 + 1985.00)	11.00	12.21	11.13	11.22

B25 LTE 20 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	(1940.00 + 1952.50) + 1992.50	34.37	2.73
	16QAM	(1940.00 + 1952.50) + 1992.50	34.52	2.83
	64QAM	(1940.00 + 1952.50) + 1992.50	34.20	2.63
	256QAM	(1940.00 + 1952.50) + 1992.50	34.43	2.77
1	QPSK	(1940.00 + 1952.50) + 1992.50	34.73	2.97
	16QAM	(1940.00 + 1952.50) + 1992.50	34.96	3.13
	64QAM	(1940.00 + 1952.50) + 1992.50	34.74	2.98
	256QAM	(1940.00 + 1952.50) + 1992.50	34.68	2.94
2	QPSK	(1940.00 + 1952.50) + 1992.50	34.33	2.71
	16QAM	(1940.00 + 1952.50) + 1992.50	34.68	2.94
	64QAM	(1940.00 + 1952.50) + 1992.50	34.24	2.66
	256QAM	(1940.00 + 1952.50) + 1992.50	34.23	2.65
3	QPSK	(1940.00 + 1952.50) + 1992.50	34.49	2.81
	16QAM	(1940.00 + 1952.50) + 1992.50	34.72	2.97
	64QAM	(1940.00 + 1952.50) + 1992.50	34.53	2.84
	256QAM	(1940.00 + 1952.50) + 1992.50	34.46	2.79

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
(1940.00 + 1952.50) + 1992.50	11.23	11.87	11.10	11.15

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1932.50 + (1972.50 + 1985.00)	35.75	3.76
	16QAM	1932.50 + (1972.50 + 1985.00)	35.90	3.89
	64QAM	1932.50 + (1972.50 + 1985.00)	36.80	4.78
	256QAM	1932.50 + (1972.50 + 1985.00)	36.38	4.34
1	QPSK	1932.50 + (1972.50 + 1985.00)	36.30	4.27
	16QAM	1932.50 + (1972.50 + 1985.00)	36.68	4.65
	64QAM	1932.50 + (1972.50 + 1985.00)	36.19	4.16
	256QAM	1932.50 + (1972.50 + 1985.00)	36.19	4.16
2	QPSK	1932.50 + (1972.50 + 1985.00)	35.63	3.66
	16QAM	1932.50 + (1972.50 + 1985.00)	35.87	3.86
	64QAM	1932.50 + (1972.50 + 1985.00)	36.06	4.04
	256QAM	1932.50 + (1972.50 + 1985.00)	36.20	4.16
3	QPSK	1932.50 + (1972.50 + 1985.00)	36.30	4.26
	16QAM	1932.50 + (1972.50 + 1985.00)	35.79	3.80
	64QAM	1932.50 + (1972.50 + 1985.00)	36.34	4.30
	256QAM	1932.50 + (1972.50 + 1985.00)	36.09	4.07

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1932.50 + (1972.50 + 1985.00)	15.95	16.20	17.28	16.73

B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	(1932.50 + 1937.50) + 1985.00	36.16	4.13
	16QAM	(1932.50 + 1937.50) + 1985.00	36.01	3.99
	64QAM	(1932.50 + 1937.50) + 1985.00	36.52	4.49
	256QAM	(1932.50 + 1937.50) + 1985.00	35.97	3.96
1	QPSK	(1932.50 + 1937.50) + 1985.00	36.43	4.40
	16QAM	(1932.50 + 1937.50) + 1985.00	36.83	4.82
	64QAM	(1932.50 + 1937.50) + 1985.00	36.57	4.54
	256QAM	(1932.50 + 1937.50) + 1985.00	36.71	4.69
2	QPSK	(1932.50 + 1937.50) + 1985.00	35.82	3.82
	16QAM	(1932.50 + 1937.50) + 1985.00	35.51	3.55
	64QAM	(1932.50 + 1937.50) + 1985.00	36.06	4.03
	256QAM	(1932.50 + 1937.50) + 1985.00	35.86	3.85
3	QPSK	(1932.50 + 1937.50) + 1985.00	35.79	3.79
	16QAM	(1932.50 + 1937.50) + 1985.00	36.32	4.29
	64QAM	(1932.50 + 1937.50) + 1985.00	36.26	4.23
	256QAM	(1932.50 + 1937.50) + 1985.00	36.22	4.19

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
(1932.50 + 1937.50) + 1985.00	16.14	16.65	17.29	16.69

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1932.50 + (1965.00 + 1985.00)	32.50	1.78
	16QAM	1932.50 + (1965.00 + 1985.00)	33.07	2.03
	64QAM	1932.50 + (1965.00 + 1985.00)	32.74	1.88
	256QAM	1932.50 + (1965.00 + 1985.00)	32.91	1.95
1	QPSK	1932.50 + (1965.00 + 1985.00)	33.03	2.01
	16QAM	1932.50 + (1965.00 + 1985.00)	33.34	2.16
	64QAM	1932.50 + (1965.00 + 1985.00)	32.86	1.93
	256QAM	1932.50 + (1965.00 + 1985.00)	33.06	2.03
2	QPSK	1932.50 + (1965.00 + 1985.00)	32.26	1.68
	16QAM	1932.50 + (1965.00 + 1985.00)	33.01	2.00
	64QAM	1932.50 + (1965.00 + 1985.00)	32.37	1.72
	256QAM	1932.50 + (1965.00 + 1985.00)	32.35	1.72
3	QPSK	1932.50 + (1965.00 + 1985.00)	32.68	1.85
	16QAM	1932.50 + (1965.00 + 1985.00)	33.08	2.03
	64QAM	1932.50 + (1965.00 + 1985.00)	32.60	1.82
	256QAM	1932.50 + (1965.00 + 1985.00)	32.80	1.90

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1932.50 + (1965.00 + 1985.00)	7.32	8.21	7.36	7.60

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	(1932.50 + 1945.00) + 1985.00	32.46	1.76
0	16QAM	(1932.50 + 1945.00) + 1985.00	33.00	1.99
0	64QAM	(1932.50 + 1945.00) + 1985.00	32.49	1.77
0	256QAM	(1932.50 + 1945.00) + 1985.00	32.65	1.84
1	QPSK	(1932.50 + 1945.00) + 1985.00	32.91	1.96
1	16QAM	(1932.50 + 1945.00) + 1985.00	33.10	2.04
1	64QAM	(1932.50 + 1945.00) + 1985.00	33.35	2.16
1	256QAM	(1932.50 + 1945.00) + 1985.00	33.04	2.01
2	QPSK	(1932.50 + 1945.00) + 1985.00	32.62	1.83
2	16QAM	(1932.50 + 1945.00) + 1985.00	32.94	1.97
2	64QAM	(1932.50 + 1945.00) + 1985.00	32.43	1.75
2	256QAM	(1932.50 + 1945.00) + 1985.00	32.61	1.83
3	QPSK	(1932.50 + 1945.00) + 1985.00	32.68	1.85
3	16QAM	(1932.50 + 1945.00) + 1985.00	33.04	2.02
3	64QAM	(1932.50 + 1945.00) + 1985.00	32.77	1.89
3	256QAM	(1932.50 + 1945.00) + 1985.00	32.75	1.88

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
(1932.50 + 1945.00) + 1985.00	7.40	8.02	7.58	7.56

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1932.50 + (1965.00 + 1985.00)	34.05	2.54
0	16QAM	1932.50 + (1965.00 + 1985.00)	34.39	2.74
0	64QAM	1932.50 + (1965.00 + 1985.00)	33.91	2.46
0	256QAM	1932.50 + (1965.00 + 1985.00)	34.74	2.98
1	QPSK	1932.50 + (1965.00 + 1985.00)	34.41	2.76
1	16QAM	1932.50 + (1965.00 + 1985.00)	34.20	2.63
1	64QAM	1932.50 + (1965.00 + 1985.00)	34.31	2.70
1	256QAM	1932.50 + (1965.00 + 1985.00)	34.72	2.97
2	QPSK	1932.50 + (1965.00 + 1985.00)	34.32	2.70
2	16QAM	1932.50 + (1965.00 + 1985.00)	34.81	3.03
2	64QAM	1932.50 + (1965.00 + 1985.00)	34.00	2.51
2	256QAM	1932.50 + (1965.00 + 1985.00)	34.36	2.73
3	QPSK	1932.50 + (1965.00 + 1985.00)	34.70	2.95
3	16QAM	1932.50 + (1965.00 + 1985.00)	34.44	2.78
3	64QAM	1932.50 + (1965.00 + 1985.00)	34.19	2.62
3	256QAM	1932.50 + (1965.00 + 1985.00)	34.76	2.99

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
1932.50 + (1965.00 + 1985.00)	10.95	11.18	10.30	11.67

B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] (2C+1C)

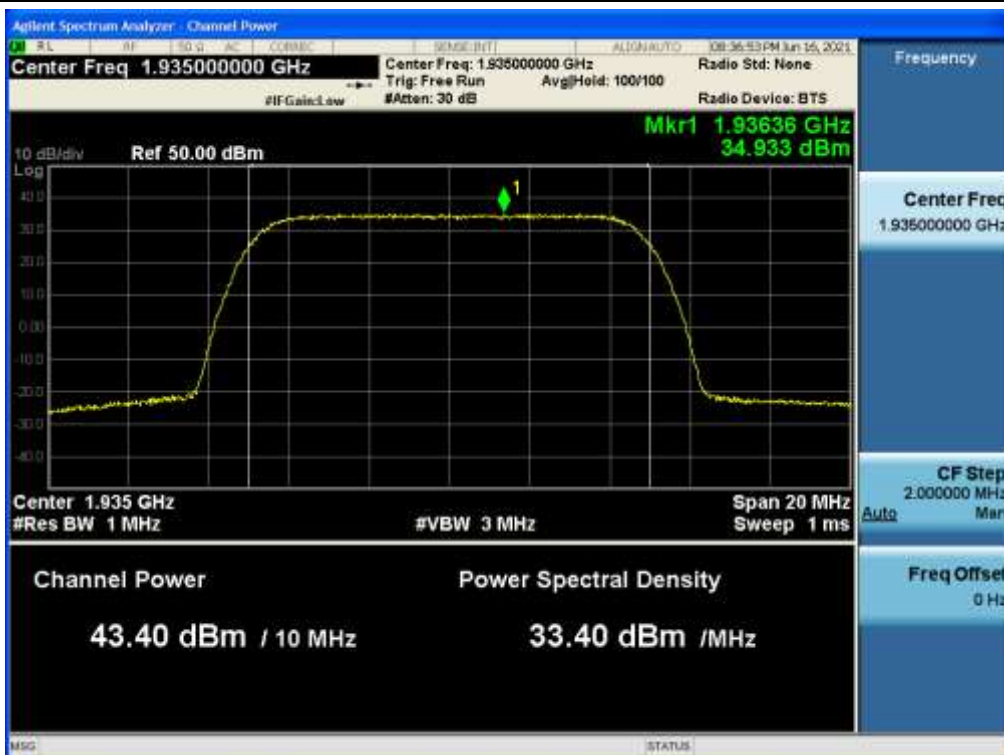| Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	(1932.50 + 1945.00) + 1985.00	33.98	2.50
	16QAM	(1932.50 + 1945.00) + 1985.00	34.60	2.88
	64QAM	(1932.50 + 1945.00) + 1985.00	33.83	2.42
	256QAM	(1932.50 + 1945.00) + 1985.00	34.82	3.03
1	QPSK	(1932.50 + 1945.00) + 1985.00	34.29	2.69
	16QAM	(1932.50 + 1945.00) + 1985.00	34.29	2.68
	64QAM	(1932.50 + 1945.00) + 1985.00	34.76	2.99
	256QAM	(1932.50 + 1945.00) + 1985.00	34.33	2.71
2	QPSK	(1932.50 + 1945.00) + 1985.00	34.11	2.58
	16QAM	(1932.50 + 1945.00) + 1985.00	33.88	2.44
	64QAM	(1932.50 + 1945.00) + 1985.00	34.64	2.91
	256QAM	(1932.50 + 1945.00) + 1985.00	34.77	3.00
3	QPSK	(1932.50 + 1945.00) + 1985.00	34.74	2.98
	16QAM	(1932.50 + 1945.00) + 1985.00	34.68	2.94
	64QAM	(1932.50 + 1945.00) + 1985.00	33.78	2.39
	256QAM	(1932.50 + 1945.00) + 1985.00	34.55	2.85

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

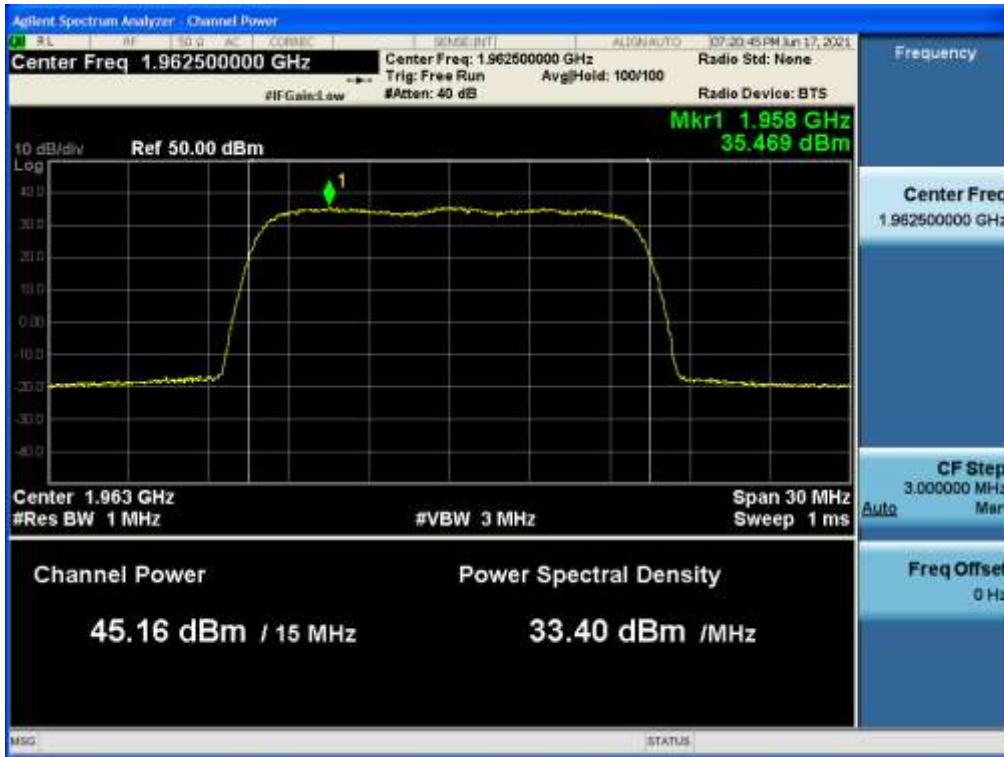| Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
(1932.50 + 1945.00) + 1985.00	10.74	10.95	10.71	11.59

Plot Data of PSD

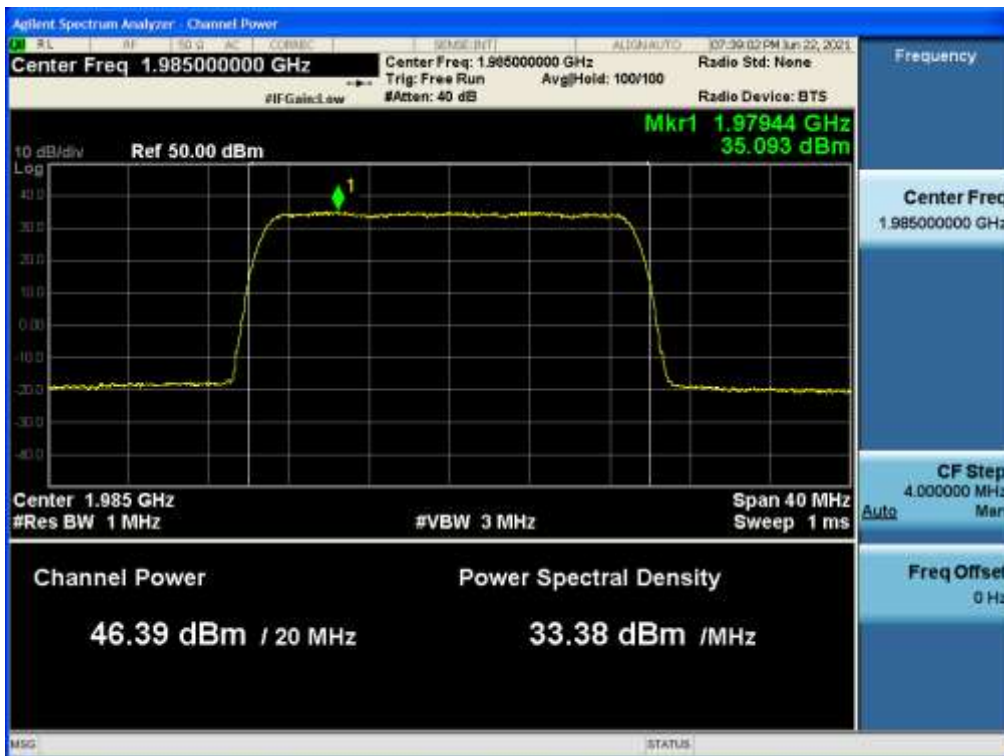### Antenna 1 / B25 LTE 5 MHz 1 Carrier / 64QAM / Middle

Antenna 1 / B25 LTE 10 MHz 1 Carrier / QPSK / Low

Antenna 1 / B25 LTE 15 MHz 1 Carrier / 16QAM / Middle

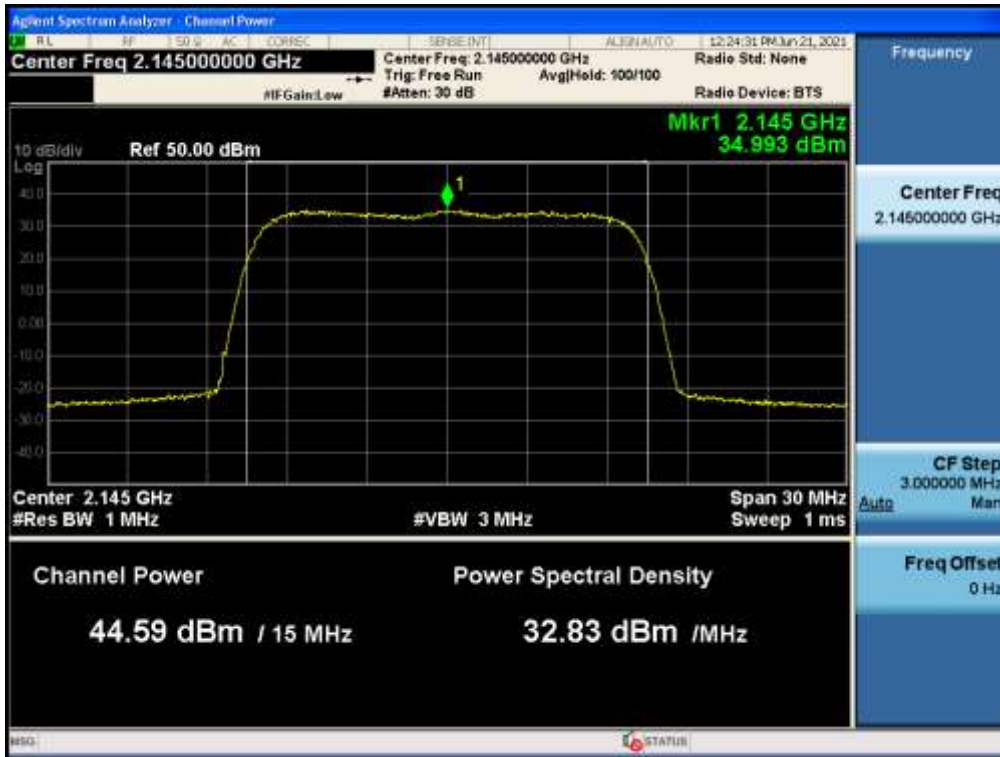## Antenna 1 / B25 LTE 20 MHz 1 Carrier / 16QAM / High
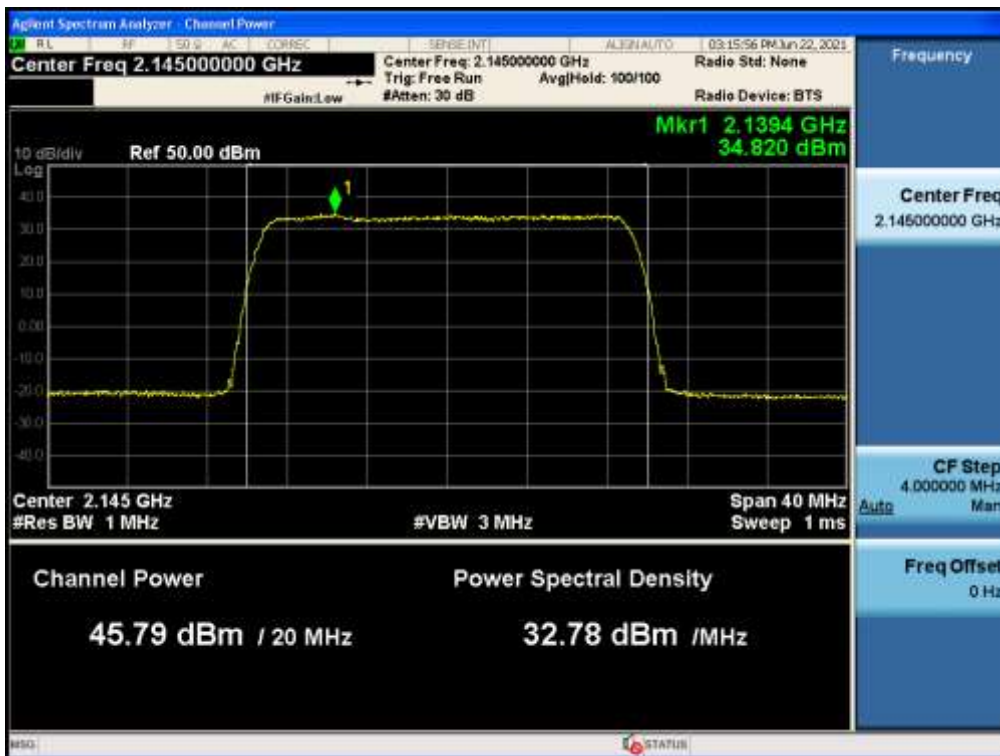
Antenna 1 / B66 LTE 5 MHz 1 Carrier / QPSK / High

Antenna 1 / B66 LTE 10 MHz 1 Carrier / QPSK / High
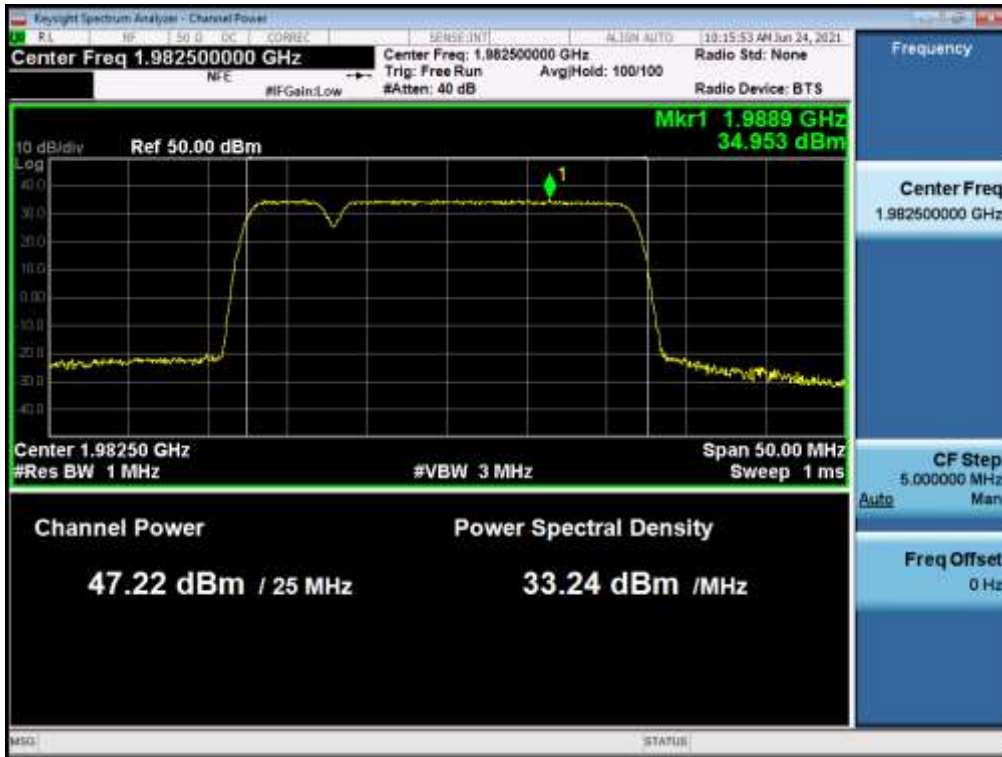
Antenna 0 / B66 LTE 15 MHz 1 Carrier / 16QAM / Middle

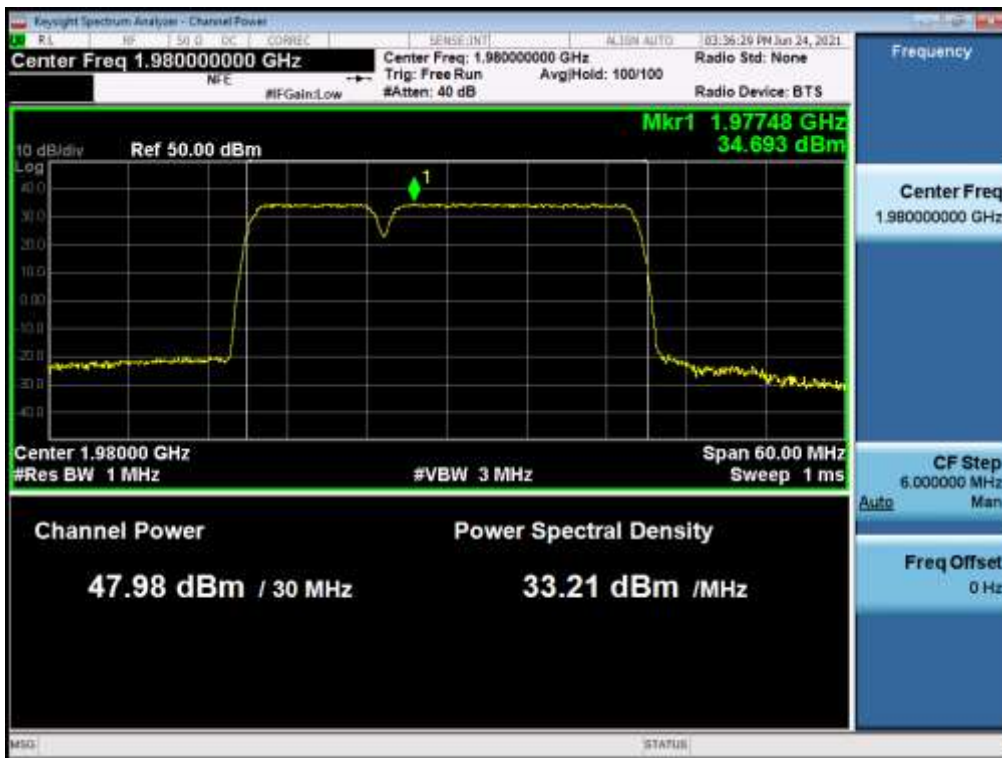**Antenna 0 / B66 LTE 20 MHz 1 Carrier / 16QAM / Middle**
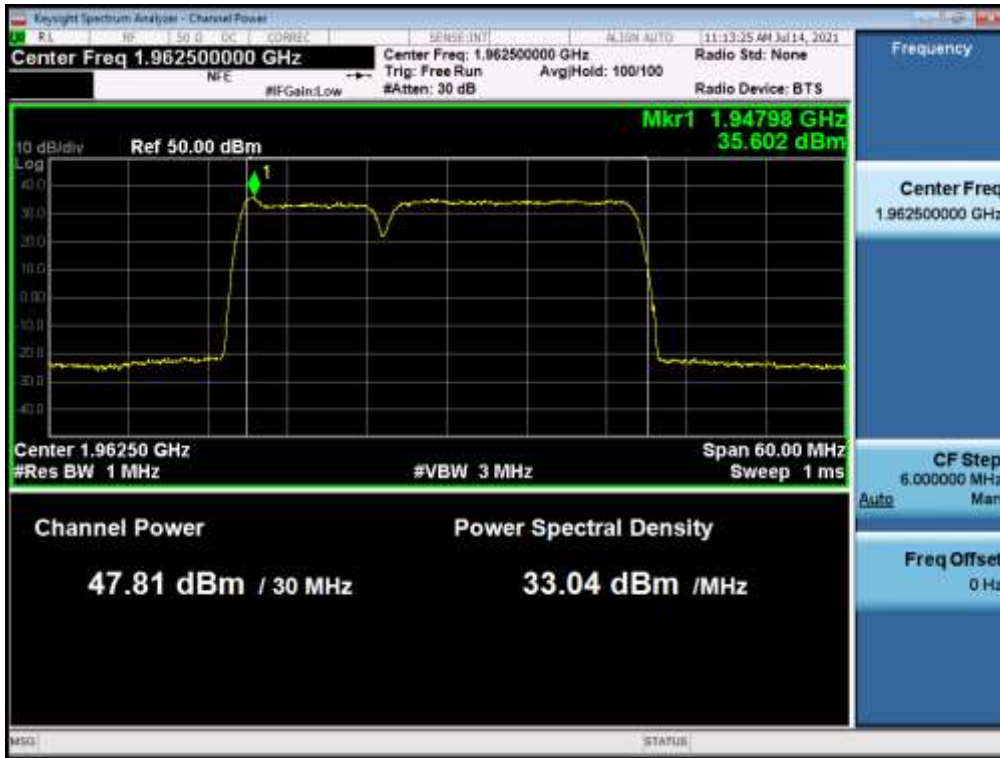
Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High

Antenna 1 / B25 LTE 10 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / High

Antenna 1 / B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle
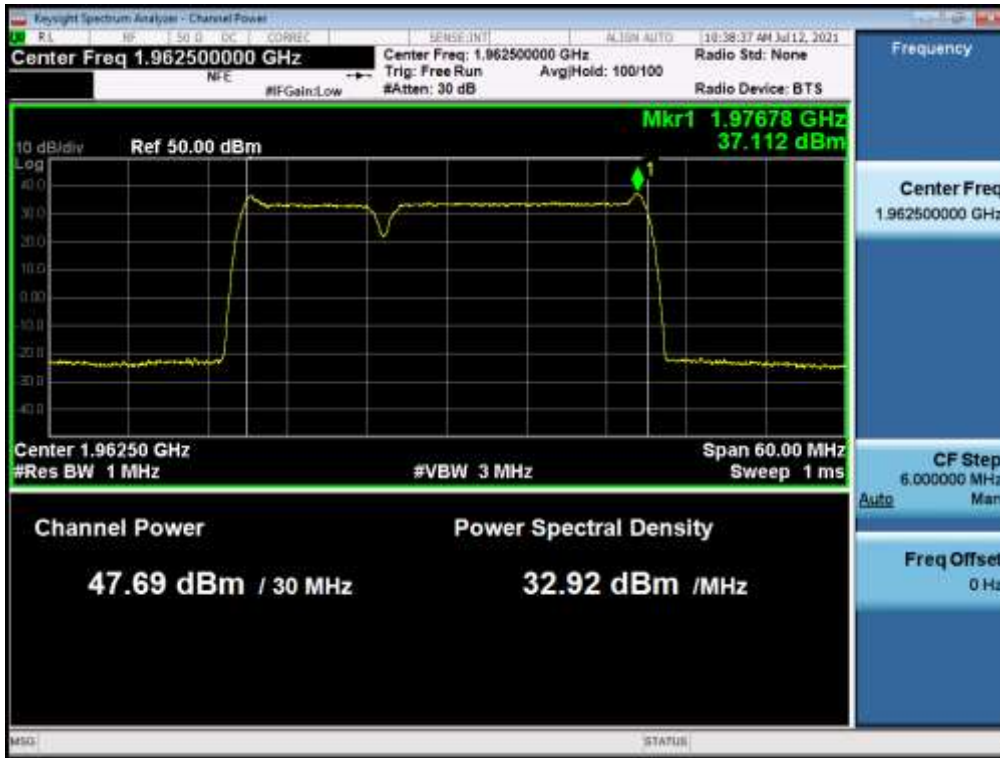

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Low
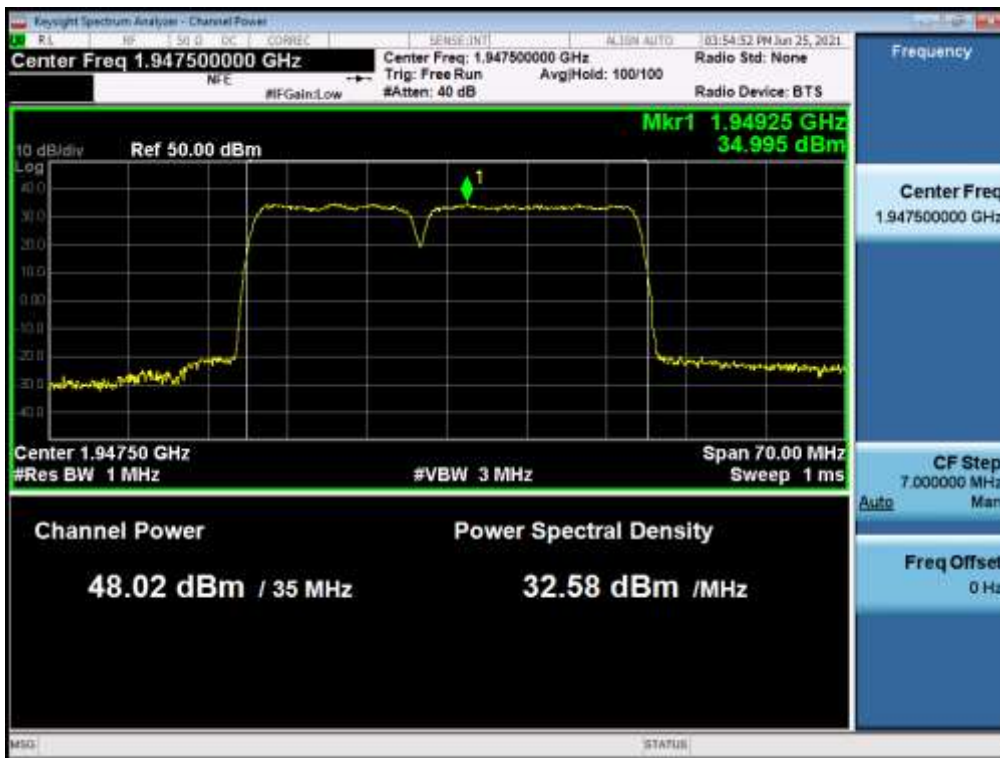
Antenna 1 / B25 LTE 10 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / 256QAM / Middle
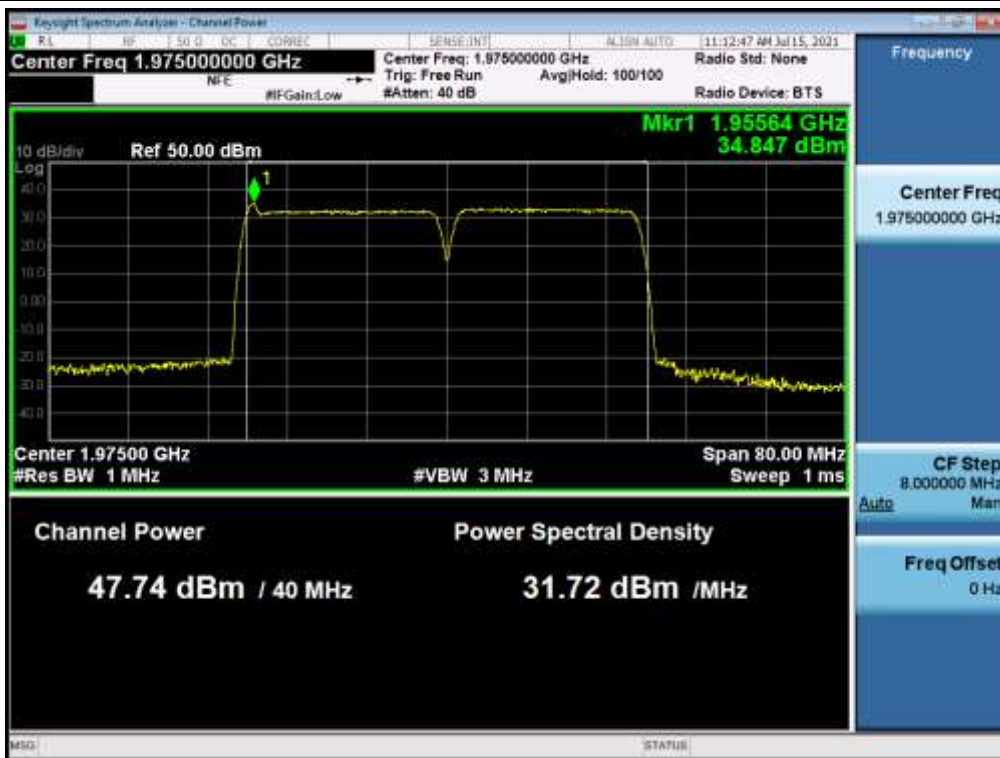

Antenna 1 / B25 LTE 15 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low
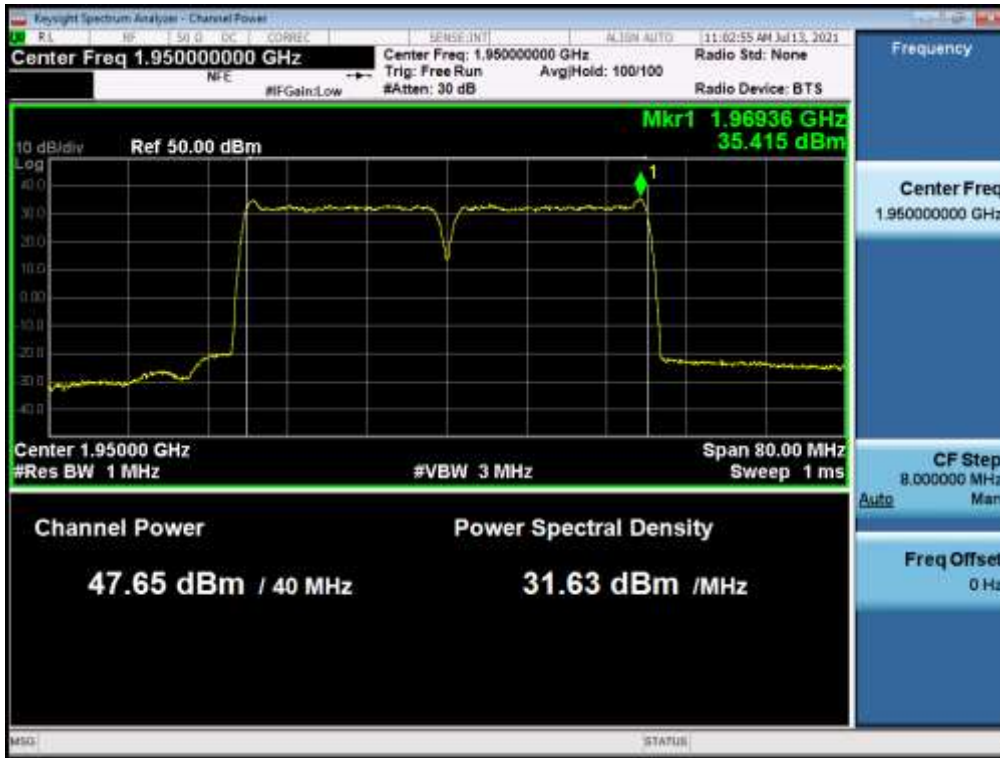
Antenna 1 / B25 LTE 20 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High

Antenna 1 / B25 LTE 20 MHz & NB-IoT 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle
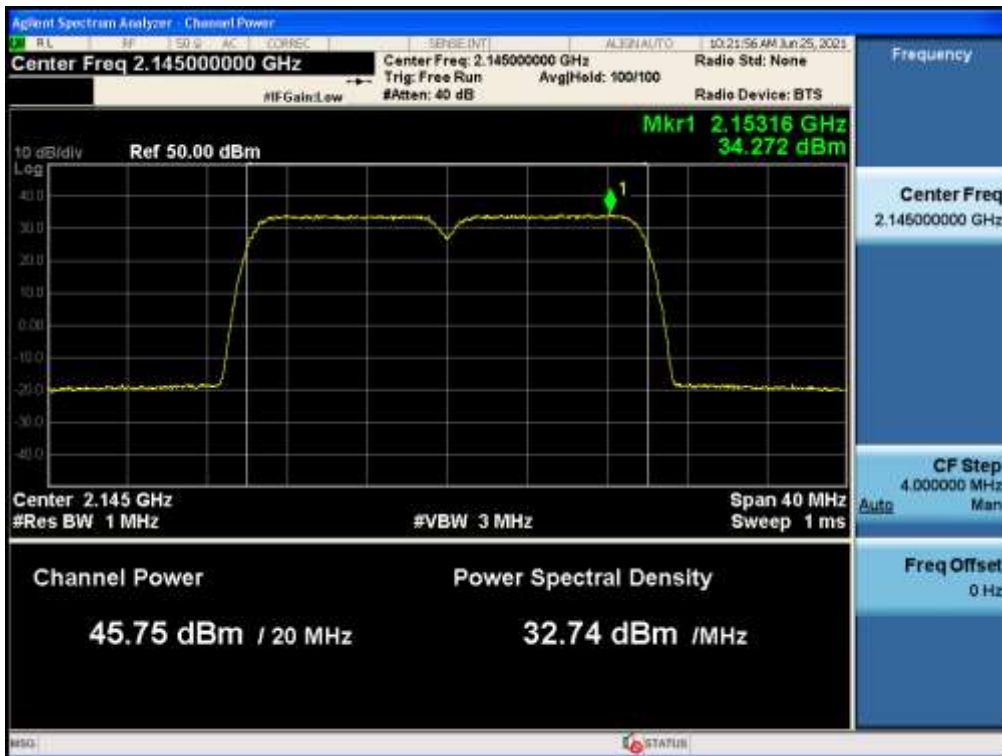

Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle
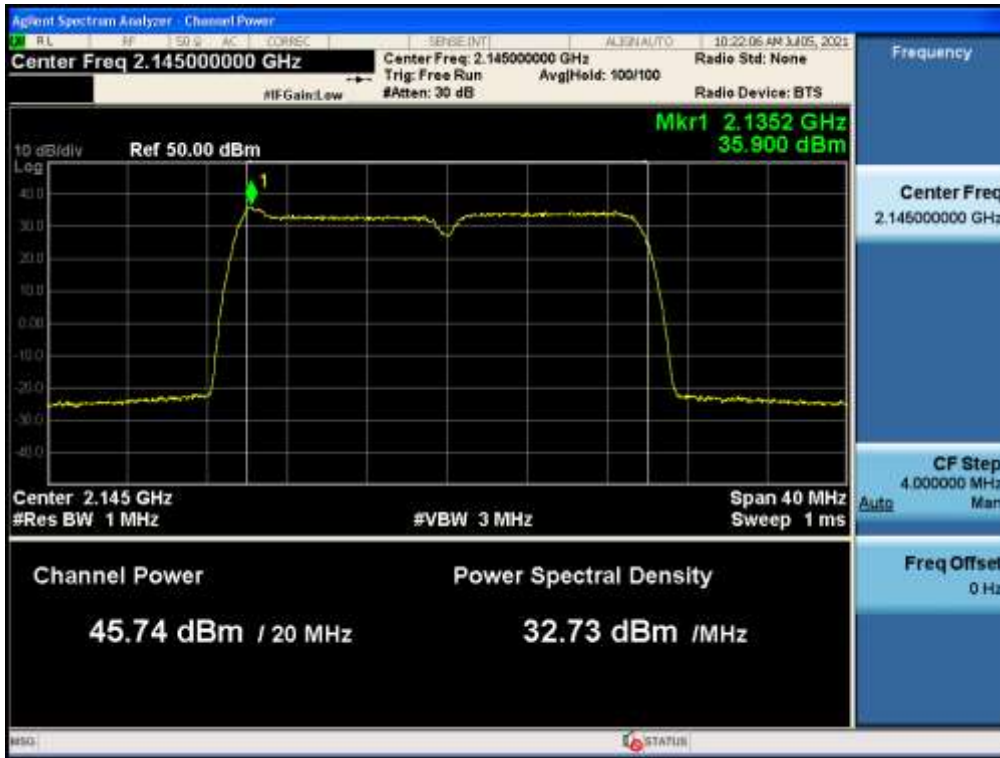
Antenna 0 / B66 LTE 5 MHz 1 Carrier + B66 LTE 20 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / QPSK / High

Antenna 3 / B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle
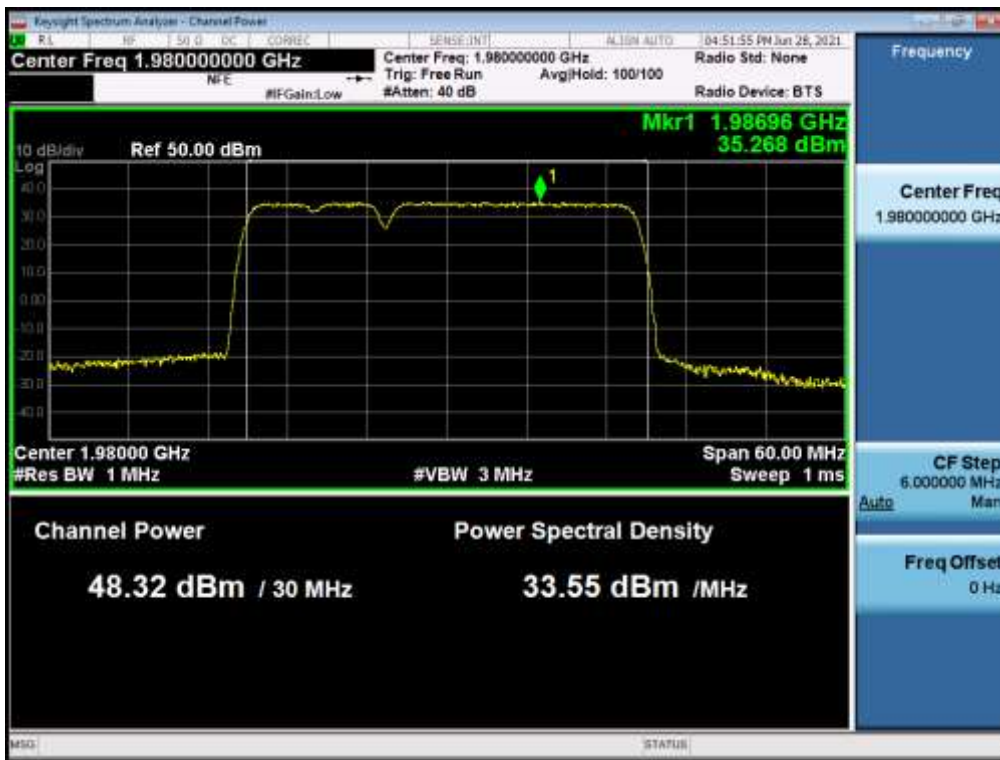
Antenna 3 / B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle

Antenna 2 / B66 LTE 10 MHz & NB-IoT 1 Carrier + B66 LTE 10 MHz & NB-IoT 1 Carrier [2 Carrier] / Contiguous / QPSK / High

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / High

Antenna 1 / B25 LTE 5 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier + B25 LTE 20 MHz & NB-IoT 1 Carrier [3 Carrier] / Contiguous / QPSK / Middle