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TEST REPORT

FCC Test for RF4440d-13A
Class II Permissive Change

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2207-FC029

DATE OF ISSUE
July 27, 2022

Tested by
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Kwon Jeong

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TEST REPORT

FCC Test for
RF4440d-13A

REPORT NO.
HCT-RF-2207-FC029

DATE OF ISSUE
July 27, 2022

Additional Model
-

Applicant	**SAMSUNG Electronics Co., Ltd.** 129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea
EUT Type	RRU (RF4440d)
Model Name	RF4440d-13A
FCC ID	A3LRF4440D-13A
Date of Test	May 30, 2022 ~ July 27, 2022
FCC Rule Parts:	CFR 47 Part 2, Part 22

The result shown in this test report refer only to the sample(s) tested unless otherwise stated.
This test results were applied only to the test methods required by the standard.

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	July 27, 2022	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 (RF4440d)
EUT Serial Number	S617647224
Power Supply	-48 VDC

Output Power

Band	Carrier	Bandwidth	Power
(2 Port) 5G NR n5	1	5 MHz	40 W/path, Total: 80 W
(2 Port) 5G NR n5	1	10 MHz	60 W/path, Total: 120 W
(4 Port) 5G NR n5	1	5 MHz	20 W/path, Total: 80 W
(4 Port) 5G NR n5	1	10 MHz	40 W/path, Total: 160 W
(2 Port) 5G NR n5 + 5G NR n5	2	5 MHz + 5 MHz	60 W/path, Total: 120 W
(2 Port) 5G NR n5 + 5G NR n5	2	10 MHz + 10 MHz	60 W/path, Total: 120 W
(2 Port) B5 DSS + B5 DSS	2	10 MHz + 10 MHz	60 W/path, Total: 120 W
(2 Port) 5G NR n5 + LTE B5	2	5 MHz + 5 MHz	60 W/path, Total: 120 W
(2 Port) B5 DSS + 5G NR n5	2	10 MHz + 5 MHz	60 W/path, Total: 120 W
(2 Port) B5 DSS + 5G NR n5	2	10 MHz + 10 MHz	60 W/path, Total: 120 W
(4 Port) 5G NR n5 + 5G NR n5	2	5 MHz + 5 MHz	40 W/path, Total: 160 W
(4 Port) 5G NR n5 + 5G NR n5	2	10 MHz + 10 MHz	40 W/path, Total: 160 W
(4 Port) B5 DSS + B5 DSS	2	10 MHz + 10 MHz	40 W/path, Total: 160 W
(4 Port) 5G NR n5 + LTE B5	2	5 MHz + 5 MHz	40 W/path, Total: 160 W
(4 Port) B5 DSS + 5G NR n5	2	10 MHz + 5 MHz	40 W/path, Total: 160 W
(4 Port) B5 DSS + 5G NR n5	2	10 MHz + 10 MHz	40 W/path, Total: 160 W
(2 Port) 5G NR n5 + 5G NR n5 + LTE B5	3	10 MHz + 10 MHz + 5 MHz	60 W/path, Total: 120 W
(2 Port) B5 DSS + 5G NR n5 + LTE B5	3	10 MHz + 5 MHz + 5 MHz	60 W/path, Total: 120 W
(2 Port) B5 DSS + 5G NR n5 + LTE B5	3	10 MHz + 10 MHz + 5 MHz	60 W/path, Total: 120 W
(4 Port) 5G NR n5 + 5G NR n5 + LTE B5	3	10 MHz + 10 MHz + 5 MHz	40 W/path, Total: 160 W
(4 Port) B5 DSS + 5G NR n5 + LTE B5	3	10 MHz + 5 MHz + 5 MHz	40 W/path, Total: 160 W
(4 Port) B5 DSS + 5G NR n5 + LTE B5	3	10 MHz + 10 MHz + 5 MHz	40 W/path, Total: 160 W

Frequency Range	Band 5 : 869 MHz ~ 894 MHz

	Mode	Bandwidth	Emission Designator			
			QPSK (G7D)	Conducted (W)	16/64/256 QAM (W7D)	Conducted (W)
Emission Designator	(2 Port)5G NR n5	5 MHz	4M50G7D	81.48	4M50W7D	83.09
	(2 Port)5G NR n5	10 MHz	9M36G7D	124.23	9M35W7D	124.82
	(4 Port)5G NR n5	5 MHz	4M51G7D	84.85	4M51W7D	84.98
	(4 Port)5G NR n5	10 MHz	9M37G7D	173.14	9M36W7D	172.86
	(2 Port)5G NR n5 + 5G NR n5 (Contiguous)	5 MHz + 5 MHz	9M46G7D	125.32	9M50W7D	127.14
	(2 Port)5G NR n5 + 5G NR n5 (Contiguous)	10 MHz + 10 MHz	19M3G7D	125.76	19M3W7D	127.88
	(2 Port)B5 DSS + B5 DSS (Contiguous)	10 MHz + 10 MHz	19M2G7D	126.53	19M1W7D	126.38
	(2 Port)5G NR n5 + LTE B5 (Contiguous)	5 MHz + 5 MHz	9M49G7D	125.00	9M50W7D	125.19
	(2 Port)B5 DSS + 5G NR n5 (Contiguous)	10 MHz + 5 MHz	14M4G7D	121.98	14M4W7D	122.87
	(2 Port)B5 DSS + 5G NR n5 (Contiguous)	10 MHz + 10 MHz	19M3G7D	123.59	19M2W7D	124.82
	(4 Port)5G NR n5 + 5G NR n5 (Contiguous)	5 MHz + 5 MHz	9M48G7D	171.02	9M50W7D	172.46
	(4 Port)5G NR n5 + 5G NR n5 (Contiguous)	10 MHz + 10 MHz	19M3G7D	168.80	19M3W7D	169.00
	(4 Port)B5 DSS + B5 DSS (Contiguous)	10 MHz + 10 MHz	19M1G7D	169.15	19M2W7D	169.74
	(4 Port)5G NR n5 + LTE B5 (Contiguous)	5 MHz + 5 MHz	9M50G7D	166.95	9M50W7D	167.13
	(4 Port)B5 DSS + 5G NR n5 (Contiguous)	10 MHz + 5 MHz	14M4G7D	164.27	14M4W7D	164.83
	(4 Port)B5 DSS + 5G NR n5 (Contiguous)	10 MHz + 10 MHz	19M3G7D	165.52	19M2W7D	167.58
	(2 Port)5G NR n5 + 5G NR n5 + LTE B5 (Contiguous)	10 MHz + 10 MHz + 5 MHz	24M3G7D	124.93	24M4W7D	125.51
	(2 Port)B5 DSS + 5G NR n5 + LTE B5 (Contiguous)	10 MHz + 5 MHz + 5 MHz	19M3G7D	123.54	19M3W7D	124.72
	(2 Port)B5 DSS + 5G NR n5 + LTE B5 (Contiguous)	10 MHz + 10 MHz + 5 MHz	24M3G7D	123.66	24M3W7D	124.71
	(4 Port)5G NR n5 + 5G NR n5 + LTE B5 (Contiguous)	10 MHz + 10 MHz + 5 MHz	24M3G7D	166.81	24M4W7D	167.79
	(4 Port)B5 DSS + 5G NR n5 + LTE B5 (Contiguous)	10 MHz + 5 MHz + 5 MHz	19M3G7D	166.95	19M3W7D	167.53
	(4 Port)B5 DSS + 5G NR n5 + LTE B5 (Contiguous)	10 MHz + 10 MHz + 5 MHz	24M3G7D	163.20	24M3W7D	164.27
	(2 Port)5G NR n5 + 5G NR n5 ((Non-Contiguous)	5 MHz + 5 MHz	9M00G7D	125.68	9M01W7D	124.78

	(2 Port)5G NR n5 + 5G NR n5 (Non-Contiguous)	10 MHz + 10 MHz	18M7G7D	124.85	18M7W7D	126.47
	(2 Port)B5 DSS + B5 DSS (Non-Contiguous)	10 MHz + 10 MHz	18M5G7D	124.07	18M5W7D	125.13
	(2 Port)5G NR n5 + LTE B5 (Non-Contiguous)	5 MHz + 5 MHz	9M00G7D	121.52	9M00W7D	122.84
	(2 Port)B5 DSS + 5G NR n5 (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	123.01	13M8W7D	124.15
	(2 Port)B5 DSS + 5G NR n5 (Non-Contiguous)	10 MHz + 10 MHz	18M6G7D	122.21	18M6W7D	124.16
	(4 Port)5G NR n5 + 5G NR n5 (Non-Contiguous)	5 MHz + 5 MHz	8M99G7D	169.13	9M01W7D	169.12
	(4 Port)5G NR n5 + 5G NR n5 (Non-Contiguous)	10 MHz + 10 MHz	18M6G7D	168.66	18M7W7D	168.75
	(4 Port)B5 DSS + B5 DSS (Non-Contiguous)	10 MHz + 10 MHz	18M5G7D	169.27	18M5W7D	171.38
	(4 Port)5G NR n5 + LTE B5 (Non-Contiguous)	5 MHz + 5 MHz	9M01G7D	164.10	9M01W7D	164.39
	(4 Port)B5 DSS + 5G NR n5 (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	161.74	13M8W7D	164.98
	(4 Port)B5 DSS + 5G NR n5 (Non-Contiguous)	10 MHz + 10 MHz	18M6G7D	164.69	18M6W7D	167.29
	(2 Port)B5 DSS + 5G NR n5 + LTE B5(1C+2C) (Non-Contiguous)	10 MHz + 5 MHz + 5 MHz	18M7G7D	112.20	18M7W7D	112.23
	(2 Port)B5 DSS + 5G NR n5 + LTE B5(2C+1C) (Non-Contiguous)	10 MHz + 5 MHz + 5 MHz	18M8G7D	122.25	18M8W7D	125.10
	(4 Port)B5 DSS + 5G NR n5 + LTE B5(1C+2C) (Non-Contiguous)	10 MHz + 5 MHz + 5 MHz	18M9G7D	162.12	18M9W7D	162.45
	(4 Port)B5 DSS + 5G NR n5 + LTE B5(2C+1C) (Non-Contiguous)	10 MHz + 5 MHz + 5 MHz	18M8G7D	166.61	18M8W7D	166.81
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM					
SCS (Sub-carrier Spacing)	LTE: 15 kHz, NR: 15 kHz, DSS: 15 kHz					
Antenna Specification	Manufacturer does not provide an antenna					

1.3. TEST INFORMATION

FCC Rule Parts	CFR 47 Part 2, Part 22
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 22

Description	Reference	Results
RF Output Power	§ 2.1046, § 22.913	Compliant
PAPR	§ 22.913	Compliant
Occupied Bandwidth	§ 2.1049	Compliant
Out-of-band Unwanted Emissions	§ 2.1051, § 22.917	Compliant
Spurious Unwanted Emissions		Compliant
Radiated Emissions	§ 2.1053, § 22.917	Compliant
Frequency Stability	§ 2.1055	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 and 5G NR modulation types (QPSK, 16QAM, 64QAM, 256QAM) within the DSS operating mode, LTE modulation types (16QAM, 64QAM, 256QAM) and NR modulation types (16QAM, 64QAM, 256QAM) have been tested.
- All mode of operation, supporting bandwidth and frequencies were investigated. The test plots shown in the following sections represent the worst case emissions.
- The measurement has perfored for each LTE, DSS and NR Carrier in the mode of full resource Block size as worst case to transmitt maximum output power condition.
- Among the multi-carrier combination, only worst-case combination has tested in this test report to cover all multi-carrier combination addressed in technical documents.
- In multi-carrier mode addressed in this report, the worst LTE:5G NR ratio (8:2) is applied based on test result of single carrier DSS mode.
- 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.

ANT0

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
500	30.499	2 200	32.455
600	30.687	2 300	32.555
700	30.848	2 400	32.612
800	30.912	2 500	32.654
900	31.074	2 600	32.756
1 000	31.215	2 700	32.857
1 100	31.335	2 800	32.969
1 200	31.487	2 900	33.036
1 300	31.568	3 000	33.216
1 400	31.665	4 000	33.892
1 500	31.735	5 000	35.444
1 600	31.906	6 000	35.410
1 700	31.957	7 000	36.327
1 800	32.093	8 000	37.045
1 900	32.228	9 000	37.773
2 000	32.306	10 000	39.173
2 100	32.366	-	-

ANT1

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
500	30.390	2 200	32.351
600	30.582	2 300	32.425
700	30.743	2 400	32.500
800	30.806	2 500	32.549
900	30.977	2 600	32.636
1 000	31.118	2 700	32.742
1 100	31.229	2 800	32.873
1 200	31.378	2 900	32.934
1 300	31.431	3 000	33.088
1 400	31.534	4 000	33.792
1 500	31.609	5 000	35.295
1 600	31.773	6 000	35.412
1 700	31.823	7 000	36.288
1 800	31.959	8 000	37.045
1 900	32.117	9 000	37.507
2 000	32.222	10 000	38.884
2 100	32.263	-	-

ANT2

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
500	30.426	2 200	32.309
600	30.612	2 300	32.397
700	30.787	2 400	32.464
800	30.846	2 500	32.507
900	30.991	2 600	32.599
1 000	31.114	2 700	32.696
1 100	31.238	2 800	32.825
1 200	31.347	2 900	32.868
1 300	31.469	3 000	33.051
1 400	31.546	4 000	33.625
1 500	31.596	5 000	35.304
1 600	31.761	6 000	35.209
1 700	31.801	7 000	36.145
1 800	31.937	8 000	36.879
1 900	32.078	9 000	37.416
2 000	32.165	10 000	38.875
2 100	32.218	-	-

ANT3

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
500	30.260	2 200	32.123
600	30.437	2 300	32.208
700	30.601	2 400	32.283
800	30.659	2 500	32.337
900	30.810	2 600	32.432
1 000	30.933	2 700	32.525
1 100	31.054	2 800	32.655
1 200	31.180	2 900	32.710
1 300	31.294	3 000	32.861
1 400	31.380	4 000	33.524
1 500	31.438	5 000	35.124
1 600	31.601	6 000	34.980
1 700	31.648	7 000	35.856
1 800	31.785	8 000	36.522
1 900	31.928	9 000	37.202
2 000	31.988	10 000	38.579
2 100	32.038	-	-

3.3. MAXIMUM MEASUREMENTUNCERTAINTY

Description	Condition	Uncertainty
Radiated Disturbance	9 kHz ~ 30 MHz	4.40 dB
	30 MHz ~ 1 GHz	5.74 dB
	1 GHz ~ 18 GHz	5.51 dB
	18 GHz ~ 40 GHz	5.92 dB

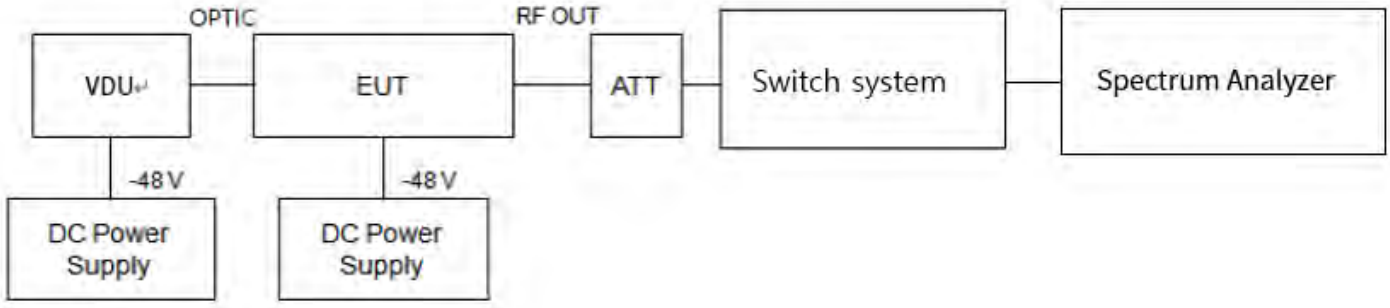
Coverage factor $k = 2$, Confidence levels of 95 %

3.4. STANDARDS ENVIRONMENTAL TEST CONDITIONS

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

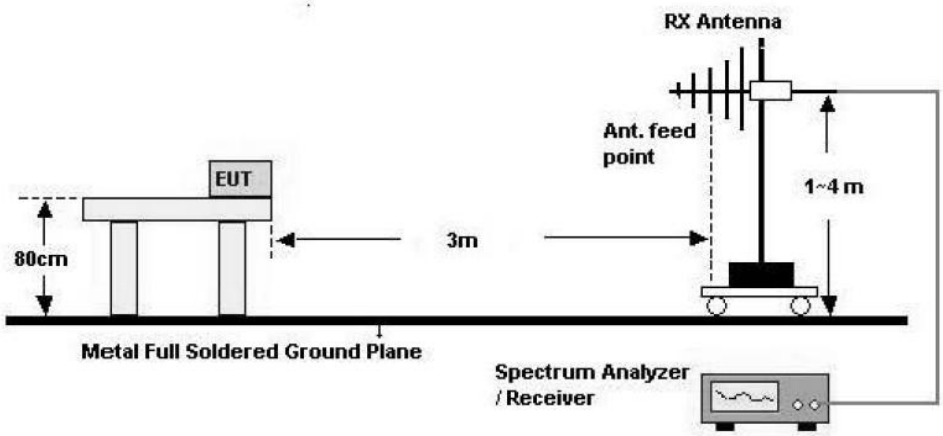
3.5. TEST DIAGRAMS

Conducted Test

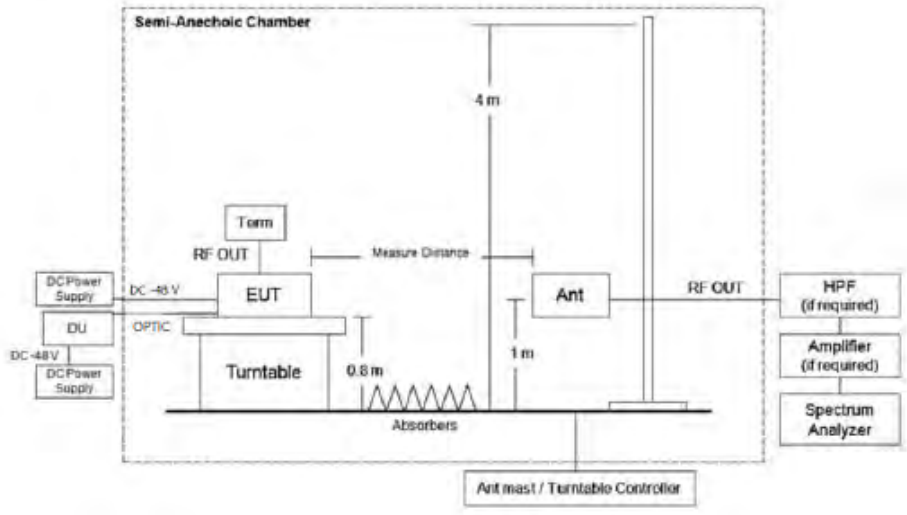


Radiated Test

30 MHz ~ 1 GHz

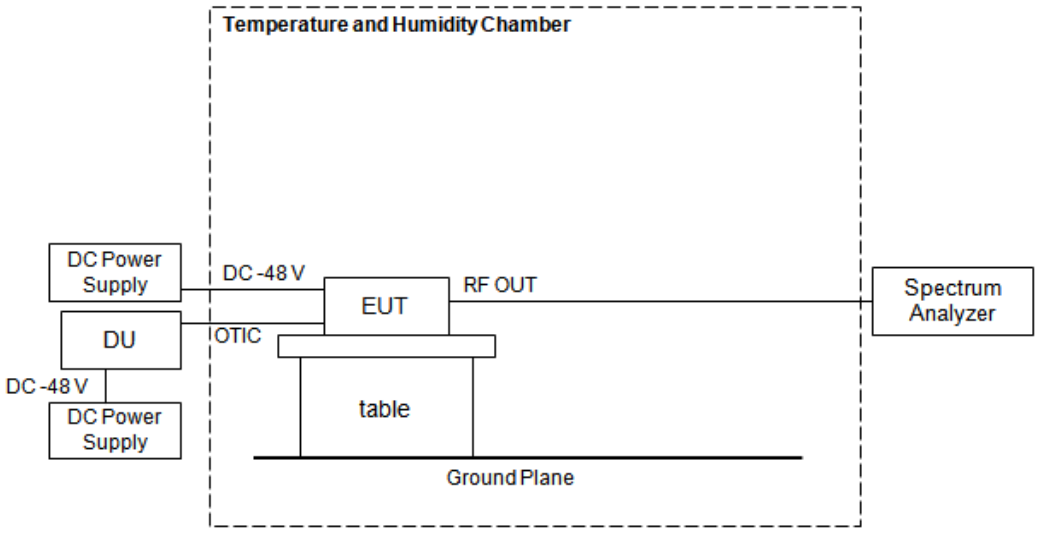


Above 1 GHz



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

Frequency Stability



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

4. TEST EQUIPMENTS

Equipment	Model	Manufacturer	Serial No.	Due to Calibration	Calibration Interval
PXA Signal Analyzer	N9030A	Keysight	MY49431434	2023-01-05	Annual
MXA Signal Analyzer	N9020A	Agilent	MY51110063	2023-04-19	Annual
RF Switch System	TMX0108	TNM System	TM20110001	N/A	N/A
*30 dB Attenuator	67-30-33	API Weinschel, Inc.	CL4336	2023-05-03	Annual
*50Ω Termination	908A	H.P.	N/A	N/A	N/A
Coaxial Attenuator	FAS-23-20	MCLI	103756	2023-01-03	Annual
DC Power Supply	PWR800L	KIKUSUI	LJ003448	2023-05-30	Annual
DC Power Supply	6674A	H.P.	3637A01843	2023-05-30	Annual
DC Power Supply	6674A	Agilent	MY41003340	2023-07-06	Annual
DC Power Supply	PWR1600L	KIKUSUI	RL002213	2022-09-29	Annual
Temperature and Humidity Chamber	NY-THR18750	NANGYEUL CO., LTD.	NY-200912201A	2023-02-10	Annual
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM20090002	N/A	N/A
Controller(Antenna mast & Turn Table)	CO3000	Innco systems	CO3000/1251/48920320/P	N/A	N/A
Antenna Position Tower	MA4640/800-XP-ET	Innco systems	N/A	N/A	N/A
Turn Table	DS2000-S	Innco systems	N/A	N/A	N/A
Turn Table	Turn Table	Ets	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Schwarzbeck	1513-333	2024-03-17	Biennial
Hybrid Antenna	VULB 9168	Schwarzbeck	9168-0895	2022-09-04	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	02296	2023-05-19	Biennial
Spectrum Analyzer	FSP40	Rohde & Schwarz	100843	2022-11-08	Annual
LNA(0.1 ~ 18 GHz)	FBSR-04C	TNM system	N/A	2022-09-16	Annual
High Pass Filter	WHKX10-900-1000-15000-40SS	Wainwright Instruments	16	2022-08-05	Annual
Low Noise Amplifier	LLAU1183540Q	LTC Microwave	100	2022-09-16	Annual

* This equipment has been used to each port, but we only listed one equipment for simplicity.

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.

§ 22.913 Effective radiated power limits.

Licensees in the Cellular Radiotelephone Service are subject to the effective radiated power (ERP) limits and other requirements in this Section. *See also* § 22.169.

(a) *Maximum ERP.* The ERP of transmitters in the Cellular Radiotelephone Service must not exceed the limits in this section.

(1) Except as described in paragraphs (a)(2), (3), and (4) of this section, the ERP of base stations and repeaters must not exceed—

(i) 500 watts per emission; or

(ii) 400 watts/MHz (PSD) per sector.

(2) Except as described in paragraphs (a)(3) and (4) of this section, for systems operating in areas more than 72 kilometers (45 miles) from international borders that:

(i) 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; or

(ii) Extend coverage into Unserved Area on a secondary basis (*see* § 22.949), the ERP of base transmitters and repeaters must not exceed—

(A) 1000 watts per emission; or

(B) 800 watts/MHz (PSD) per sector.

(3) Provided that they also comply with paragraphs (b) and (c) of this section, licensees are permitted to operate their base transmitters and repeaters with an ERP greater than 400 watts/MHz (PSD) per sector, up to a maximum ERP of 1000 watts/MHz (PSD) per sector unless they meet the conditions in paragraph (a)(4) of this section.

(4) Provided that they also comply with paragraphs (b) and (c) of this section, licensees of systems operating in areas more than 72 kilometers (45 miles) from international borders that:

(i) 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; or

(ii) Extend coverage into Unserved Area on a secondary basis (*see* § 22.949), are permitted to operate base transmitters and repeaters with an ERP greater than 800 watts/MHz (PSD) per sector, up to a maximum of 2000 watts/MHz (PSD) per sector.

(5) The ERP of mobile transmitters and auxiliary test transmitters must not exceed 7 watts.

(d) *Power measurement.* Measurement of the ERP of Cellular base transmitters and repeaters must be made using an average power measurement technique. The peak-to-average ratio (PAR) of the transmission must 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:

1. Maximum Permissible Directional Gain is 13.69 dBi calculated back from the PSD results.
   Sample Calculations:
   - 28.01 W/MHz (Measured Value) – 2.15 dB = 17.08 W/MHz
   - 400 W/MHz (E.R.P. Limit) / 17.08 W/MHz = 23.42 = 13.69 dB
2. 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

(2 Port)5G NR n5 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	871.50	46.01	39.94
		Middle	881.50	46.04	40.14
		High	891.50	45.89	38.84
	16QAM	Low	871.50	46.10	40.75
		Middle	881.50	46.12	40.95
		High	891.50	46.05	40.23
	64QAM	Low	871.50	46.08	40.58
		Middle	881.50	46.04	40.22
		High	891.50	45.96	39.42
	256QAM	Low	871.50	46.12	40.95
		Middle	881.50	46.15	41.22
		High	891.50	46.02	39.97
1	QPSK	Low	871.50	46.18	41.54
		Middle	881.50	46.16	41.27
		High	891.50	46.12	40.92
	16QAM	Low	871.50	46.04	40.16
		Middle	881.50	46.06	40.37
		High	891.50	46.16	41.34
	64QAM	Low	871.50	46.11	40.81
		Middle	881.50	46.14	41.10
		High	891.50	46.11	40.87
	256QAM	Low	871.50	46.12	40.95
		Middle	881.50	46.22	41.87
		High	891.50	46.11	40.79

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
871.50	81.48	80.91	81.39	81.91
881.50	81.41	81.33	81.31	83.09
891.50	79.76	81.58	80.29	80.76

(2 Port)5G NR n5 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	874.00	47.90	61.69
		Middle	881.50	47.83	60.62
		High	889.00	47.76	59.72
	16QAM	Low	874.00	47.90	61.63
		Middle	881.50	47.90	61.70
		High	889.00	47.93	62.07
	64QAM	Low	874.00	47.86	61.11
		Middle	881.50	47.85	60.98
		High	889.00	47.80	60.31
	256QAM	Low	874.00	47.96	62.52
		Middle	881.50	47.85	61.01
		High	889.00	47.83	60.67
1	QPSK	Low	874.00	47.96	62.55
		Middle	881.50	47.92	61.96
		High	889.00	47.98	62.86
	16QAM	Low	874.00	47.89	61.52
		Middle	881.50	47.94	62.26
		High	889.00	47.92	61.93
	64QAM	Low	874.00	48.03	63.47
		Middle	881.50	47.94	62.27
		High	889.00	47.92	61.93
	256QAM	Low	874.00	47.95	62.30
		Middle	881.50	47.98	62.78
		High	889.00	47.94	62.23

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00	124.23	123.15	124.58	124.82
881.50	122.58	123.96	123.25	123.79
889.00	122.58	124.00	122.24	122.90

(4 Port)5G NR n5 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	871.50	43.22	20.99
		Middle	881.50	43.28	21.29
		High	891.50	43.18	20.82
	16QAM	Low	871.50	43.23	21.02
		Middle	881.50	43.28	21.28
		High	891.50	43.26	21.20
	64QAM	Low	871.50	43.18	20.80
		Middle	881.50	43.27	21.23
		High	891.50	43.14	20.62
	256QAM	Low	871.50	43.32	21.48
		Middle	881.50	43.28	21.26
		High	891.50	43.22	20.98
1	QPSK	Low	871.50	43.22	21.00
		Middle	881.50	43.28	21.26
		High	891.50	43.11	20.48
	16QAM	Low	871.50	43.29	21.33
		Middle	881.50	43.26	21.19
		High	891.50	43.25	21.12
	64QAM	Low	871.50	43.27	21.24
		Middle	881.50	43.25	21.12
		High	891.50	43.24	21.07
	256QAM	Low	871.50	43.25	21.13
		Middle	881.50	43.27	21.23
		High	891.50	43.24	21.11

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	871.50	43.27	21.21
		Middle	881.50	43.22	20.97
		High	891.50	43.24	21.09
	16QAM	Low	871.50	43.24	21.09
		Middle	881.50	43.26	21.19
		High	891.50	43.21	20.95
	64QAM	Low	871.50	43.23	21.01
		Middle	881.50	43.29	21.31
		High	891.50	43.25	21.14
	256QAM	Low	871.50	43.27	21.24
		Middle	881.50	43.26	21.18
		High	891.50	43.27	21.23
3	QPSK	Low	871.50	43.30	21.36
		Middle	881.50	43.29	21.33
		High	891.50	43.19	20.84
	16QAM	Low	871.50	43.28	21.28
		Middle	881.50	43.24	21.11
		High	891.50	43.23	21.04
	64QAM	Low	871.50	43.25	21.14
		Middle	881.50	43.27	21.24
		High	891.50	43.28	21.28
	256QAM	Low	871.50	43.27	21.23
		Middle	881.50	43.23	21.06
		High	891.50	43.22	21.01

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
871.50	84.57	84.72	84.19	85.08
881.50	84.85	84.76	84.90	84.74
891.50	83.23	84.31	84.10	84.33

(4 Port)5G NR n5 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	874.00	46.28	42.46
		Middle	881.50	46.30	42.70
		High	889.00	46.26	42.25
	16QAM	Low	874.00	46.38	43.40
		Middle	881.50	46.29	42.59
		High	889.00	46.24	42.09
	64QAM	Low	874.00	46.25	42.14
		Middle	881.50	46.33	42.91
		High	889.00	46.21	41.80
	256QAM	Low	874.00	46.31	42.75
		Middle	881.50	46.31	42.74
		High	889.00	46.26	42.29
1	QPSK	Low	874.00	46.38	43.44
		Middle	881.50	46.33	42.99
		High	889.00	46.33	42.93
	16QAM	Low	874.00	46.37	43.31
		Middle	881.50	46.30	42.65
		High	889.00	46.37	43.40
	64QAM	Low	874.00	46.41	43.72
		Middle	881.50	46.33	42.99
		High	889.00	46.29	42.61
	256QAM	Low	874.00	46.46	44.24
		Middle	881.50	46.40	43.64
		High	889.00	46.28	42.41

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	874.00	46.35	43.18
		Middle	881.50	46.27	42.38
		High	889.00	46.29	42.53
	16QAM	Low	874.00	46.35	43.17
		Middle	881.50	46.42	43.85
		High	889.00	46.17	41.35
	64QAM	Low	874.00	46.30	42.61
		Middle	881.50	46.34	43.10
		High	889.00	46.31	42.78
	256QAM	Low	874.00	46.31	42.75
		Middle	881.50	46.33	42.97
		High	889.00	46.29	42.60
3	QPSK	Low	874.00	46.44	44.06
		Middle	881.50	46.36	43.30
		High	889.00	46.28	42.49
	16QAM	Low	874.00	46.28	42.48
		Middle	881.50	46.38	43.50
		High	889.00	46.25	42.20
	64QAM	Low	874.00	46.32	42.83
		Middle	881.50	46.33	42.93
		High	889.00	46.31	42.77
	256QAM	Low	874.00	46.35	43.13
		Middle	881.50	46.35	43.17
		High	889.00	46.32	42.83

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00	173.14	172.37	171.30	172.86
881.50	171.38	172.59	171.94	172.52
889.00	170.20	169.04	169.95	170.12

Tabular Data of RF Contiguous output power

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	874.00	47.95	62.43
		Middle	881.50	47.97	62.66
		High	889.00	47.89	61.52
	16QAM	Low	874.00	47.96	62.49
		Middle	881.50	47.93	62.06
		High	889.00	47.90	61.67
	64QAM	Low	874.00	47.99	62.97
		Middle	881.50	48.06	63.99
		High	889.00	47.88	61.45
	256QAM	Low	874.00	48.02	63.36
		Middle	881.50	47.99	63.01
		High	889.00	47.85	61.00
1	QPSK	Low	874.00	47.98	62.82
		Middle	881.50	47.97	62.66
		High	889.00	48.02	63.43
	16QAM	Low	874.00	48.04	63.61
		Middle	881.50	47.96	62.47
		High	889.00	47.93	62.14
	64QAM	Low	874.00	47.98	62.76
		Middle	881.50	48.00	63.15
		High	889.00	48.00	63.15
	256QAM	Low	874.00	48.02	63.36
		Middle	881.50	47.97	62.66
		High	889.00	48.02	63.43

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00	125.25	126.09	125.73	126.72
881.50	125.32	124.53	127.14	125.67
889.00	124.95	123.82	124.60	124.43

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	879.00	47.88	61.39
		Middle	881.50	47.97	62.63
		High	884.00	47.94	62.17
	16QAM	Low	879.00	47.96	62.57
		Middle	881.50	48.02	63.46
		High	884.00	47.96	62.53
	64QAM	Low	879.00	47.95	62.40
		Middle	881.50	47.95	62.30
		High	884.00	48.01	63.27
	256QAM	Low	879.00	47.98	62.82
		Middle	881.50	47.97	62.70
		High	884.00	47.96	62.57
1	QPSK	Low	879.00	48.01	63.20
		Middle	881.50	48.00	63.12
		High	884.00	48.02	63.37
	16QAM	Low	879.00	48.00	63.11
		Middle	881.50	48.09	64.42
		High	884.00	48.00	63.12
	64QAM	Low	879.00	47.98	62.85
		Middle	881.50	48.00	63.07
		High	884.00	48.03	63.52
	256QAM	Low	879.00	48.01	63.24
		Middle	881.50	48.04	63.69
		High	884.00	48.06	63.94

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
879.00	124.59	125.69	125.25	126.06
881.50	125.76	127.88	125.37	126.40
884.00	125.55	125.66	126.79	126.52

(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	879.00	48.02	63.33
		Middle	881.50	47.91	61.83
		High	884.00	47.90	61.63
	16QAM	Low	879.00	47.94	62.24
		Middle	881.50	48.02	63.34
		High	884.00	47.92	62.00
	64QAM	Low	879.00	47.98	62.75
		Middle	881.50	47.95	62.32
		High	884.00	47.98	62.86
	256QAM	Low	879.00	48.03	63.47
		Middle	881.50	48.03	63.53
		High	884.00	47.98	62.75
1	QPSK	Low	879.00	48.01	63.20
		Middle	881.50	47.99	62.99
		High	884.00	47.98	62.86
	16QAM	Low	879.00	47.95	62.36
		Middle	881.50	47.98	62.81
		High	884.00	47.96	62.55
	64QAM	Low	879.00	47.99	62.94
		Middle	881.50	48.01	63.27
		High	884.00	47.98	62.86
	256QAM	Low	879.00	47.99	62.91
		Middle	881.50	47.96	62.45
		High	884.00	48.00	63.05

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
879.00	126.53	124.60	125.68	126.38
881.50	124.82	126.15	125.59	125.98
884.00	124.49	124.55	125.73	125.80

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	874.00	47.92	61.87
		Middle	881.50	47.91	61.73
		High	889.00	47.82	60.56
	16QAM	Low	874.00	47.95	62.40
		Middle	881.50	47.85	60.94
		High	889.00	47.79	60.13
	64QAM	Low	874.00	47.90	61.59
		Middle	881.50	47.83	60.73
		High	889.00	47.81	60.41
	256QAM	Low	874.00	47.96	62.49
		Middle	881.50	47.86	61.05
		High	889.00	47.79	60.08
1	QPSK	Low	874.00	48.00	63.12
		Middle	881.50	47.98	62.75
		High	889.00	47.92	62.00
	16QAM	Low	874.00	47.91	61.76
		Middle	881.50	47.86	61.16
		High	889.00	47.92	61.96
	64QAM	Low	874.00	48.02	63.39
		Middle	881.50	48.02	63.43
		High	889.00	47.96	62.47
	256QAM	Low	874.00	47.97	62.70
		Middle	881.50	48.02	63.31
		High	889.00	47.96	62.50

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00	125.00	124.16	124.98	125.19
881.50	124.48	122.10	124.16	124.37
889.00	122.56	122.09	122.88	122.58

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	876.50	47.83	60.66
		Middle	881.50	47.73	59.24
		High	886.50	47.75	59.55
	16QAM	Low	876.50	47.78	59.95
		Middle	881.50	47.83	60.62
		High	886.50	47.81	60.44
	64QAM	Low	876.50	47.79	60.09
		Middle	881.50	47.76	59.70
		High	886.50	47.75	59.59
	256QAM	Low	876.50	47.80	60.31
		Middle	881.50	47.73	59.24
		High	886.50	47.81	60.39
1	QPSK	Low	876.50	47.88	61.32
		Middle	881.50	47.84	60.81
		High	886.50	47.83	60.74
	16QAM	Low	876.50	47.86	61.05
		Middle	881.50	47.92	62.00
		High	886.50	47.81	60.35
	64QAM	Low	876.50	47.93	62.12
		Middle	881.50	47.95	62.37
		High	886.50	47.88	61.45
	256QAM	Low	876.50	47.96	62.56
		Middle	881.50	47.92	61.90
		High	886.50	47.84	60.76

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
876.50	121.98	121.00	122.21	122.87
881.50	120.05	122.62	122.08	121.14
886.50	120.30	120.79	121.04	121.15

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	879.00	47.84	60.77
		Middle	881.50	47.85	61.00
		High	884.00	47.83	60.62
	16QAM	Low	879.00	47.92	62.02
		Middle	881.50	47.92	62.00
		High	884.00	47.90	61.73
	64QAM	Low	879.00	47.90	61.63
		Middle	881.50	47.87	61.25
		High	884.00	47.89	61.48
	256QAM	Low	879.00	47.90	61.60
		Middle	881.50	47.86	61.12
		High	884.00	47.88	61.33
1	QPSK	Low	879.00	47.98	62.82
		Middle	881.50	47.96	62.50
		High	884.00	47.97	62.70
	16QAM	Low	879.00	47.98	62.81
		Middle	881.50	47.92	61.89
		High	884.00	47.97	62.60
	64QAM	Low	879.00	47.96	62.49
		Middle	881.50	47.90	61.67
		High	884.00	47.96	62.46
	256QAM	Low	879.00	47.97	62.62
		Middle	881.50	47.99	62.92
		High	884.00	47.96	62.59

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
879.00	123.59	124.82	124.12	124.22
881.50	123.50	123.89	122.92	124.04
884.00	123.32	124.33	123.93	123.92

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	874.00	46.32	42.83
		Middle	881.50	46.28	42.51
		High	889.00	46.19	41.57
	16QAM	Low	874.00	46.31	42.76
		Middle	881.50	46.33	42.99
		High	889.00	46.25	42.18
	64QAM	Low	874.00	46.32	42.87
		Middle	881.50	46.29	42.57
		High	889.00	46.24	42.06
	256QAM	Low	874.00	46.27	42.33
		Middle	881.50	46.26	42.30
		High	889.00	46.31	42.72
1	QPSK	Low	874.00	46.41	43.72
		Middle	881.50	46.35	43.10
		High	889.00	46.20	41.69
	16QAM	Low	874.00	46.42	43.88
		Middle	881.50	46.37	43.33
		High	889.00	46.25	42.16
	64QAM	Low	874.00	46.42	43.87
		Middle	881.50	46.37	43.33
		High	889.00	46.26	42.26
	256QAM	Low	874.00	46.42	43.85
		Middle	881.50	46.37	43.32
		High	889.00	46.32	42.84

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	874.00	46.21	41.83
		Middle	881.50	46.28	42.48
		High	889.00	46.21	41.81
	16QAM	Low	874.00	46.21	41.82
		Middle	881.50	46.27	42.35
		High	889.00	46.31	42.78
	64QAM	Low	874.00	46.27	42.36
		Middle	881.50	46.38	43.47
		High	889.00	46.27	42.35
	256QAM	Low	874.00	46.41	43.71
		Middle	881.50	46.29	42.56
		High	889.00	46.23	42.02
3	QPSK	Low	874.00	46.25	42.17
		Middle	881.50	46.33	42.92
		High	889.00	46.30	42.61
	16QAM	Low	874.00	46.20	41.73
		Middle	881.50	46.29	42.56
		High	889.00	46.23	41.94
	64QAM	Low	874.00	46.32	42.88
		Middle	881.50	46.33	42.97
		High	889.00	46.25	42.20
	256QAM	Low	874.00	46.29	42.57
		Middle	881.50	46.28	42.48
		High	889.00	46.24	42.08

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00	170.55	170.19	172.00	172.46
881.50	171.02	171.24	172.35	170.66
889.00	167.68	169.05	168.87	169.66

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	879.00	46.19	41.63
		Middle	881.50	46.18	41.53
		High	884.00	46.19	41.62
	16QAM	Low	879.00	46.13	41.06
		Middle	881.50	46.17	41.39
		High	884.00	46.23	41.97
	64QAM	Low	879.00	46.18	41.51
		Middle	881.50	46.16	41.31
		High	884.00	46.20	41.66
	256QAM	Low	879.00	46.19	41.61
		Middle	881.50	46.15	41.23
		High	884.00	46.22	41.85
1	QPSK	Low	879.00	46.30	42.63
		Middle	881.50	46.31	42.80
		High	884.00	46.33	42.92
	16QAM	Low	879.00	46.21	41.78
		Middle	881.50	46.23	41.95
		High	884.00	46.26	42.30
	64QAM	Low	879.00	46.29	42.55
		Middle	881.50	46.29	42.59
		High	884.00	46.34	43.03
	256QAM	Low	879.00	46.26	42.26
		Middle	881.50	46.29	42.52
		High	884.00	46.34	43.08

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	879.00	46.19	41.62
		Middle	881.50	46.15	41.21
		High	884.00	46.19	41.59
	16QAM	Low	879.00	46.14	41.08
		Middle	881.50	46.14	41.10
		High	884.00	46.16	41.30
	64QAM	Low	879.00	46.23	42.00
		Middle	881.50	46.19	41.62
		High	884.00	46.19	41.63
	256QAM	Low	879.00	46.16	41.29
		Middle	881.50	46.14	41.07
		High	884.00	46.18	41.53
3	QPSK	Low	879.00	46.33	42.92
		Middle	881.50	46.24	42.03
		High	884.00	46.26	42.30
	16QAM	Low	879.00	46.22	41.88
		Middle	881.50	46.26	42.26
		High	884.00	46.32	42.81
	64QAM	Low	879.00	46.31	42.77
		Middle	881.50	46.31	42.72
		High	884.00	46.29	42.54
	256QAM	Low	879.00	46.30	42.63
		Middle	881.50	46.28	42.48
		High	884.00	46.29	42.53

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
879.00	168.80	165.80	168.84	167.78
881.50	167.57	166.69	168.24	167.30
884.00	168.43	168.36	168.86	169.00

(4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	879.00	45.53	35.70
		Middle	881.50	46.11	40.84
		High	884.00	46.15	41.17
	16QAM	Low	879.00	46.09	40.62
		Middle	881.50	46.28	42.41
		High	884.00	46.17	41.43
	64QAM	Low	879.00	45.56	35.97
		Middle	881.50	46.13	41.00
		High	884.00	46.13	41.00
	256QAM	Low	879.00	45.98	39.60
		Middle	881.50	46.13	41.01
		High	884.00	46.19	41.59
1	QPSK	Low	879.00	46.13	40.97
		Middle	881.50	46.18	41.46
		High	884.00	46.22	41.90
	16QAM	Low	879.00	46.19	41.62
		Middle	881.50	46.32	42.87
		High	884.00	46.19	41.56
	64QAM	Low	879.00	45.78	37.88
		Middle	881.50	46.14	41.12
		High	884.00	46.23	41.95
	256QAM	Low	879.00	46.07	40.49
		Middle	881.50	46.16	41.34
		High	884.00	46.20	41.73

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	879.00	46.03	40.10
		Middle	881.50	46.22	41.84
		High	884.00	46.37	43.37
	16QAM	Low	879.00	46.14	41.07
		Middle	881.50	46.22	41.85
		High	884.00	46.36	43.24
	64QAM	Low	879.00	45.67	36.92
		Middle	881.50	46.26	42.31
		High	884.00	46.31	42.76
	256QAM	Low	879.00	45.84	38.34
		Middle	881.50	46.27	42.34
		High	884.00	46.31	42.72
3	QPSK	Low	879.00	45.57	36.08
		Middle	881.50	46.27	42.35
		High	884.00	46.30	42.71
	16QAM	Low	879.00	46.13	41.02
		Middle	881.50	46.29	42.60
		High	884.00	46.34	43.08
	64QAM	Low	879.00	45.70	37.19
		Middle	881.50	46.21	41.73
		High	884.00	46.33	42.98
	256QAM	Low	879.00	45.79	37.93
		Middle	881.50	46.30	42.68
		High	884.00	46.32	42.85

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
879.00	152.85	164.32	147.96	156.37
881.50	166.49	169.74	166.17	167.37
884.00	169.15	169.31	168.69	168.89

(4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	874.00	46.04	40.20
		Middle	881.50	46.09	40.63
		High	889.00	46.04	40.14
	16QAM	Low	874.00	46.10	40.75
		Middle	881.50	46.01	39.89
		High	889.00	46.04	40.23
	64QAM	Low	874.00	46.06	40.36
		Middle	881.50	46.10	40.77
		High	889.00	46.04	40.13
	256QAM	Low	874.00	46.07	40.44
		Middle	881.50	46.10	40.72
		High	889.00	46.10	40.78
1	QPSK	Low	874.00	46.18	41.50
		Middle	881.50	46.15	41.26
		High	889.00	46.13	41.05
	16QAM	Low	874.00	46.20	41.66
		Middle	881.50	46.14	41.13
		High	889.00	46.18	41.45
	64QAM	Low	874.00	46.24	42.05
		Middle	881.50	46.20	41.69
		High	889.00	46.14	41.11
	256QAM	Low	874.00	46.21	41.82
		Middle	881.50	46.23	41.99
		High	889.00	46.06	40.35

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	874.00	46.11	40.87
		Middle	881.50	46.19	41.54
		High	889.00	46.06	40.34
	16QAM	Low	874.00	46.16	41.27
		Middle	881.50	46.10	40.75
		High	889.00	46.17	41.45
	64QAM	Low	874.00	46.08	40.56
		Middle	881.50	46.21	41.77
		High	889.00	46.09	40.63
	256QAM	Low	874.00	46.08	40.55
		Middle	881.50	46.18	41.46
		High	889.00	46.15	41.17
3	QPSK	Low	874.00	46.24	42.03
		Middle	881.50	46.39	43.52
		High	889.00	46.19	41.56
	16QAM	Low	874.00	46.38	43.45
		Middle	881.50	46.23	41.96
		High	889.00	46.17	41.37
	64QAM	Low	874.00	46.28	42.49
		Middle	881.50	46.33	42.90
		High	889.00	46.09	40.65
	256QAM	Low	874.00	46.28	42.47
		Middle	881.50	46.24	42.04
		High	889.00	46.20	41.68

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00	164.61	167.12	165.47	165.28
881.50	166.95	163.73	167.13	166.21
889.00	163.09	164.49	162.52	163.97

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	876.50	46.07	40.42
		Middle	881.50	45.96	39.43
		High	886.50	45.91	38.99
	16QAM	Low	876.50	46.13	41.03
		Middle	881.50	45.99	39.71
		High	886.50	45.99	39.73
	64QAM	Low	876.50	46.05	40.29
		Middle	881.50	45.97	39.52
		High	886.50	45.94	39.24
	256QAM	Low	876.50	46.11	40.78
		Middle	881.50	46.00	39.77
		High	886.50	45.90	38.86
1	QPSK	Low	876.50	46.18	41.50
		Middle	881.50	45.99	39.72
		High	886.50	45.99	39.68
	16QAM	Low	876.50	46.15	41.18
		Middle	881.50	46.06	40.41
		High	886.50	46.04	40.21
	64QAM	Low	876.50	46.14	41.11
		Middle	881.50	46.09	40.68
		High	886.50	45.97	39.56
	256QAM	Low	876.50	46.16	41.31
		Middle	881.50	46.08	40.51
		High	886.50	46.02	39.96

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	876.50	46.04	40.23
		Middle	881.50	45.93	39.20
		High	886.50	45.95	39.34
	16QAM	Low	876.50	46.05	40.25
		Middle	881.50	45.98	39.67
		High	886.50	46.09	40.68
	64QAM	Low	876.50	46.13	40.98
		Middle	881.50	45.96	39.40
		High	886.50	45.99	39.76
	256QAM	Low	876.50	46.08	40.54
		Middle	881.50	45.96	39.47
		High	886.50	46.02	39.99
3	QPSK	Low	876.50	46.25	42.13
		Middle	881.50	46.05	40.27
		High	886.50	46.02	40.04
	16QAM	Low	876.50	46.18	41.46
		Middle	881.50	46.24	42.02
		High	886.50	46.08	40.56
	64QAM	Low	876.50	46.24	42.10
		Middle	881.50	46.01	39.87
		High	886.50	46.08	40.56
	256QAM	Low	876.50	46.25	42.19
		Middle	881.50	46.07	40.50
		High	886.50	46.12	40.94

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
876.50	164.27	163.92	164.49	164.83
881.50	158.62	161.82	159.48	160.26
886.50	158.05	161.18	159.13	159.74

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	879.00	46.12	40.94
		Middle	881.50	46.04	40.22
		High	884.00	46.03	40.07
	16QAM	Low	879.00	46.17	41.38
		Middle	881.50	46.15	41.22
		High	884.00	46.18	41.47
	64QAM	Low	879.00	46.12	40.88
		Middle	881.50	46.08	40.56
		High	884.00	46.04	40.13
	256QAM	Low	879.00	46.09	40.68
		Middle	881.50	46.06	40.39
		High	884.00	46.09	40.68
1	QPSK	Low	879.00	46.14	41.10
		Middle	881.50	46.15	41.23
		High	884.00	46.19	41.54
	16QAM	Low	879.00	46.16	41.34
		Middle	881.50	46.19	41.62
		High	884.00	46.19	41.60
	64QAM	Low	879.00	46.13	41.03
		Middle	881.50	46.18	41.53
		High	884.00	46.20	41.68
	256QAM	Low	879.00	46.17	41.43
		Middle	881.50	46.28	42.48
		High	884.00	46.21	41.76

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	879.00	46.12	40.90
		Middle	881.50	46.07	40.43
		High	884.00	46.02	40.03
	16QAM	Low	879.00	46.19	41.57
		Middle	881.50	46.21	41.80
		High	884.00	46.25	42.20
	64QAM	Low	879.00	46.14	41.16
		Middle	881.50	46.13	41.02
		High	884.00	46.06	40.32
	256QAM	Low	879.00	46.14	41.14
		Middle	881.50	46.06	40.33
		High	884.00	46.08	40.55
3	QPSK	Low	879.00	46.29	42.58
		Middle	881.50	46.26	42.31
		High	884.00	46.18	41.49
	16QAM	Low	879.00	46.36	43.28
		Middle	881.50	46.32	42.86
		High	884.00	46.26	42.29
	64QAM	Low	879.00	46.33	42.93
		Middle	881.50	46.23	41.96
		High	884.00	46.17	41.36
	256QAM	Low	879.00	46.28	42.48
		Middle	881.50	46.20	41.72
		High	884.00	46.16	41.33

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
879.00	165.52	167.58	166.01	165.74
881.50	164.18	167.51	165.07	164.92
884.00	163.13	167.55	163.49	164.33

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	881.50	47.91	61.74
	16QAM	Middle	881.50	47.83	60.70
	64QAM	Middle	881.50	47.91	61.79
	256QAM	Middle	881.50	47.92	61.90
1	QPSK	Middle	881.50	48.01	63.18
	16QAM	Middle	881.50	48.00	63.15
	64QAM	Middle	881.50	47.99	62.91
	256QAM	Middle	881.50	48.04	63.61

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
881.50	124.93	123.86	124.69	125.51

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	879.00	47.82	60.58
		Middle	881.50	47.85	61.01
		High	884.00	47.75	59.62
	16QAM	Low	879.00	47.84	60.86
		Middle	881.50	47.86	61.15
		High	884.00	47.72	59.16
	64QAM	Low	879.00	47.87	61.16
		Middle	881.50	47.90	61.73
		High	884.00	47.78	59.98
	256QAM	Low	879.00	47.86	61.05
		Middle	881.50	47.88	61.39
		High	884.00	47.78	59.99
1	QPSK	Low	879.00	47.95	62.32
		Middle	881.50	47.96	62.53
		High	884.00	47.84	60.86
	16QAM	Low	879.00	47.96	62.55
		Middle	881.50	47.88	61.42
		High	884.00	47.76	59.72
	64QAM	Low	879.00	47.98	62.78
		Middle	881.50	47.99	62.99
		High	884.00	47.90	61.72
	256QAM	Low	879.00	48.00	63.14
		Middle	881.50	47.96	62.53
		High	884.00	47.86	61.09

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
879.00	122.89	123.40	123.94	124.19
881.50	123.54	122.57	124.72	123.92
884.00	120.48	118.87	121.70	121.09

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	881.50	47.84	60.83
	16QAM	Middle	881.50	47.89	61.52
	64QAM	Middle	881.50	47.90	61.60
	256QAM	Middle	881.50	47.89	61.53
1	QPSK	Middle	881.50	47.98	62.83
	16QAM	Middle	881.50	47.92	61.97
	64QAM	Middle	881.50	48.00	63.11
	256QAM	Middle	881.50	47.96	62.49

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
881.50	123.66	123.49	124.71	124.02

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	881.50	46.08	40.53
	16QAM	Middle	881.50	46.06	40.41
	64QAM	Middle	881.50	46.09	40.65
	256QAM	Middle	881.50	46.11	40.82
1	QPSK	Middle	881.50	46.29	42.54
	16QAM	Middle	881.50	46.18	41.47
	64QAM	Middle	881.50	46.32	42.89
	256QAM	Middle	881.50	46.26	42.26
2	QPSK	Middle	881.50	46.23	41.97
	16QAM	Middle	881.50	46.16	41.34
	64QAM	Middle	881.50	46.24	42.07
	256QAM	Middle	881.50	46.22	41.87
3	QPSK	Middle	881.50	46.21	41.77
	16QAM	Middle	881.50	46.23	42.00
	64QAM	Middle	881.50	46.25	42.17
	256QAM	Middle	881.50	46.27	42.40

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
881.50	166.81	165.22	167.79	167.35

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Low	879.00	46.27	42.38
		Middle	881.50	45.96	39.42
		High	884.00	45.94	39.23
	16QAM	Low	879.00	46.14	41.08
		Middle	881.50	46.05	40.29
		High	884.00	45.99	39.75
	64QAM	Low	879.00	46.31	42.76
		Middle	881.50	46.05	40.25
		High	884.00	46.06	40.40
	256QAM	Low	879.00	46.18	41.52
		Middle	881.50	46.10	40.72
		High	884.00	46.09	40.62
1	QPSK	Low	879.00	46.22	41.86
		Middle	881.50	46.24	42.06
		High	884.00	46.21	41.77
	16QAM	Low	879.00	46.22	41.91
		Middle	881.50	46.25	42.22
		High	884.00	46.11	40.78
	64QAM	Low	879.00	46.23	41.97
		Middle	881.50	46.20	41.66
		High	884.00	46.18	41.50
	256QAM	Low	879.00	46.22	41.91
		Middle	881.50	46.23	41.98
		High	884.00	46.20	41.67

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
2	QPSK	Low	879.00	46.14	41.11
		Middle	881.50	46.14	41.09
		High	884.00	46.09	40.65
	16QAM	Low	879.00	46.03	40.09
		Middle	881.50	46.17	41.44
		High	884.00	46.16	41.29
	64QAM	Low	879.00	46.13	41.06
		Middle	881.50	46.16	41.29
		High	884.00	45.99	39.70
	256QAM	Low	879.00	46.15	41.25
		Middle	881.50	46.10	40.78
		High	884.00	46.03	40.09
3	QPSK	Low	879.00	46.19	41.59
		Middle	881.50	46.19	41.60
		High	884.00	46.12	40.91
	16QAM	Low	879.00	46.14	41.08
		Middle	881.50	46.23	41.99
		High	884.00	46.24	42.11
	64QAM	Low	879.00	46.21	41.74
		Middle	881.50	46.26	42.27
		High	884.00	46.17	41.40
	256QAM	Low	879.00	46.17	41.35
		Middle	881.50	46.27	42.38
		High	884.00	46.15	41.18

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
879.00	166.95	164.15	167.53	166.03
881.50	164.17	165.93	165.46	165.85
884.00	162.56	163.93	163.01	163.55

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm)	Calculated (W)
0	QPSK	Middle	881.50	46.01	39.92
	16QAM	Middle	881.50	46.07	40.44
	64QAM	Middle	881.50	46.03	40.11
	256QAM	Middle	881.50	46.04	40.20
1	QPSK	Middle	881.50	46.16	41.34
	16QAM	Middle	881.50	46.15	41.19
	64QAM	Middle	881.50	46.17	41.39
	256QAM	Middle	881.50	46.17	41.41
2	QPSK	Middle	881.50	46.11	40.86
	16QAM	Middle	881.50	46.12	40.91
	64QAM	Middle	881.50	46.07	40.45
	256QAM	Middle	881.50	46.11	40.81
3	QPSK	Middle	881.50	46.14	41.08
	16QAM	Middle	881.50	46.21	41.73
	64QAM	Middle	881.50	46.15	41.19
	256QAM	Middle	881.50	46.18	41.48

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
881.50	163.20	164.27	163.13	163.90

Tabular Data of RF Non-Contiguous output power

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	5G NR n5 5 MHz		5G NR n5 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	871.50	44.91	891.50	44.95	47.94	62.25
	16QAM	871.50	44.87	891.50	44.70	47.80	60.24
	64QAM	871.50	44.93	891.50	44.81	47.88	61.34
	256QAM	871.50	44.84	891.50	44.89	47.88	61.31
1	QPSK	871.50	45.00	891.50	45.02	48.02	63.43
	16QAM	871.50	44.93	891.50	45.06	48.01	63.17
	64QAM	871.50	45.04	891.50	44.98	48.02	63.44
	256QAM	871.50	44.95	891.50	44.99	47.98	62.79

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
871.50 + 891.50	125.68	123.42	124.78	124.10

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	5G NR n5 10 MHz		5G NR n5 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	874.00	44.93	889.00	44.87	47.91	61.83
	16QAM	874.00	44.81	889.00	44.80	47.81	60.43
	64QAM	874.00	44.96	889.00	44.87	47.92	61.99
	256QAM	874.00	44.99	889.00	44.87	47.94	62.26
1	QPSK	874.00	44.93	889.00	45.03	48.00	63.02
	16QAM	874.00	45.02	889.00	45.01	48.02	63.44
	64QAM	874.00	45.10	889.00	45.04	48.08	64.30
	256QAM	874.00	45.07	889.00	45.06	48.08	64.21

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00 +889.00	124.85	123.87	126.29	126.47

(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	B5 DSS 10 MHz		B5 DSS 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	874.00	44.91	889.00	44.83	47.88	61.36
	16QAM	874.00	44.90	889.00	44.81	47.87	61.19
	64QAM	874.00	44.93	889.00	44.88	47.91	61.87
	256QAM	874.00	44.93	889.00	44.87	47.91	61.84
1	QPSK	874.00	44.99	889.00	44.93	47.97	62.71
	16QAM	874.00	44.92	889.00	44.99	47.96	62.56
	64QAM	874.00	45.02	889.00	44.90	47.97	62.67
	256QAM	874.00	45.02	889.00	44.99	48.01	63.29

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00 + 889.00	124.07	123.75	124.54	125.13

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	5G NR n5 5 MHz		LTE B5 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	871.50	44.76	891.50	44.69	47.73	59.35
	16QAM	871.50	44.82	891.50	44.67	47.76	59.65
	64QAM	871.50	44.81	891.50	44.74	47.79	60.08
	256QAM	871.50	44.76	891.50	44.80	47.79	60.12
1	QPSK	871.50	44.94	891.50	44.91	47.94	62.16
	16QAM	871.50	44.92	891.50	44.97	47.96	62.50
	64QAM	871.50	44.95	891.50	44.95	47.96	62.53
	256QAM	871.50	45.03	891.50	44.90	47.97	62.72

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
871.50 + 891.50	121.52	122.15	122.61	122.84

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	B5 DSS 10 MHz		5G NR n5 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	874.00	46.04	891.50	43.09	47.82	60.53
	16QAM	874.00	46.09	891.50	43.11	47.86	61.13
	64QAM	874.00	46.01	891.50	43.10	47.81	60.34
	256QAM	874.00	46.02	891.50	43.06	47.80	60.28
1	QPSK	874.00	46.14	891.50	43.31	47.96	62.48
	16QAM	874.00	46.22	891.50	43.25	47.99	63.02
	64QAM	874.00	46.11	891.50	43.29	47.93	62.15
	256QAM	874.00	46.12	891.50	43.33	47.96	62.47

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00 + 891.50	123.01	124.15	122.49	122.75

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	B5 DSS 10 MHz		5G NR n5 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	874.00	44.74	889.00	44.89	47.83	60.61
	16QAM	874.00	44.77	889.00	44.99	47.89	61.52
	64QAM	874.00	44.73	889.00	44.99	47.87	61.29
	256QAM	874.00	44.80	889.00	44.88	47.85	60.95
1	QPSK	874.00	44.79	889.00	44.98	47.90	61.60
	16QAM	874.00	44.85	889.00	45.04	47.96	62.49
	64QAM	874.00	44.89	889.00	45.06	47.98	62.87
	256QAM	874.00	44.85	889.00	45.01	47.94	62.22

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00 + 889.00	122.21	124.01	124.16	123.17

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	5G NR n5 5 MHz		5G NR n5 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	871.50	43.25	891.50	43.25	46.26	42.26
	16QAM	871.50	43.24	891.50	43.24	46.25	42.19
	64QAM	871.50	43.29	891.50	43.24	46.28	42.42
	256QAM	871.50	43.26	891.50	43.29	46.29	42.55
1	QPSK	871.50	43.38	891.50	43.30	46.35	43.18
	16QAM	871.50	43.34	891.50	43.26	46.31	42.77
	64QAM	871.50	43.33	891.50	43.30	46.32	42.88
	256QAM	871.50	43.34	891.50	43.27	46.32	42.82
2	QPSK	871.50	43.21	891.50	43.21	46.22	41.92
	16QAM	871.50	43.19	891.50	43.13	46.17	41.40
	64QAM	871.50	43.20	891.50	43.16	46.19	41.58
	256QAM	871.50	43.20	891.50	43.17	46.20	41.66
3	QPSK	871.50	43.26	891.50	43.14	46.21	41.78
	16QAM	871.50	43.29	891.50	43.17	46.24	42.09
	64QAM	871.50	43.20	891.50	43.29	46.26	42.23
	256QAM	871.50	43.21	891.50	43.10	46.17	41.38

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
871.50 + 891.50	169.13	168.46	169.12	168.41

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	5G NR n5 10 MHz		5G NR n5 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	874.00	43.19	889.00	43.15	46.18	41.52
	16QAM	874.00	43.23	889.00	43.12	46.19	41.56
	64QAM	874.00	43.18	889.00	43.16	46.18	41.51
	256QAM	874.00	43.19	889.00	43.15	46.18	41.47
1	QPSK	874.00	43.31	889.00	43.22	46.27	42.39
	16QAM	874.00	43.19	889.00	43.23	46.22	41.90
	64QAM	874.00	43.29	889.00	43.30	46.31	42.71
	256QAM	874.00	43.25	889.00	43.36	46.32	42.82
2	QPSK	874.00	43.19	889.00	43.19	46.20	41.70
	16QAM	874.00	43.18	889.00	43.13	46.16	41.33
	64QAM	874.00	43.16	889.00	43.22	46.20	41.72
	256QAM	874.00	43.15	889.00	43.19	46.18	41.52
3	QPSK	874.00	43.36	889.00	43.29	46.34	43.04
	16QAM	874.00	43.27	889.00	43.26	46.27	42.41
	64QAM	874.00	43.35	889.00	43.26	46.32	42.81
	256QAM	874.00	43.29	889.00	43.31	46.31	42.77

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00 + 889.00	168.66	167.21	168.75	168.59

(4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	B5 DSS 10 MHz		B5 DSS 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	874.00	43.17	889.00	43.15	46.17	41.40
	16QAM	874.00	43.23	889.00	43.10	46.18	41.49
	64QAM	874.00	43.15	889.00	43.11	46.14	41.09
	256QAM	874.00	43.19	889.00	43.11	46.16	41.31
1	QPSK	874.00	43.28	889.00	43.23	46.27	42.32
	16QAM	874.00	43.23	889.00	43.17	46.21	41.77
	64QAM	874.00	43.24	889.00	43.20	46.23	41.96
	256QAM	874.00	43.18	889.00	43.18	46.19	41.60
2	QPSK	874.00	43.34	889.00	43.25	46.31	42.72
	16QAM	874.00	43.47	889.00	43.44	46.46	44.30
	64QAM	874.00	43.28	889.00	43.23	46.27	42.34
	256QAM	874.00	43.27	889.00	43.23	46.26	42.25
3	QPSK	874.00	43.36	889.00	43.25	46.32	42.82
	16QAM	874.00	43.41	889.00	43.40	46.42	43.82
	64QAM	874.00	43.36	889.00	43.17	46.28	42.47
	256QAM	874.00	43.27	889.00	43.22	46.26	42.25

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00 + 889.00	169.27	171.38	167.87	167.41

(4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	5G NR n5 5 MHz		LTE B5 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	871.50	43.08	891.50	42.96	46.03	40.11
	16QAM	871.50	42.95	891.50	43.01	45.99	39.70
	64QAM	871.50	43.06	891.50	43.06	46.07	40.46
	256QAM	871.50	43.10	891.50	43.08	46.10	40.74
1	QPSK	871.50	43.14	891.50	43.23	46.20	41.65
	16QAM	871.50	43.12	891.50	43.29	46.21	41.82
	64QAM	871.50	43.20	891.50	43.24	46.23	42.02
	256QAM	871.50	43.20	891.50	43.17	46.20	41.68
2	QPSK	871.50	42.99	891.50	43.18	46.10	40.71
	16QAM	871.50	43.06	891.50	43.15	46.11	40.86
	64QAM	871.50	43.09	891.50	43.06	46.08	40.56
	256QAM	871.50	43.07	891.50	43.13	46.11	40.85
3	QPSK	871.50	43.21	891.50	43.16	46.19	41.63
	16QAM	871.50	43.16	891.50	43.07	46.12	40.97
	64QAM	871.50	43.18	891.50	43.13	46.16	41.35
	256QAM	871.50	43.13	891.50	43.12	46.14	41.10

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
871.50 + 891.50	164.10	163.36	164.39	164.37

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	B5 DSS 10 MHz		5G NR n5 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	874.00	44.12	891.50	41.23	45.92	39.09
	16QAM	874.00	44.33	891.50	41.22	46.06	40.32
	64QAM	874.00	44.28	891.50	41.27	46.04	40.19
	256QAM	874.00	44.18	891.50	41.24	45.96	39.47
1	QPSK	874.00	44.32	891.50	41.51	46.15	41.21
	16QAM	874.00	44.34	891.50	41.47	46.15	41.17
	64QAM	874.00	44.38	891.50	41.47	46.17	41.43
	256QAM	874.00	44.36	891.50	41.43	46.15	41.20
2	QPSK	874.00	44.19	891.50	41.42	46.03	40.12
	16QAM	874.00	44.31	891.50	41.45	46.12	40.93
	64QAM	874.00	44.26	891.50	41.38	46.06	40.41
	256QAM	874.00	44.26	891.50	41.45	46.09	40.61
3	QPSK	874.00	44.37	891.50	41.45	46.16	41.31
	16QAM	874.00	44.53	891.50	41.51	46.29	42.55
	64QAM	874.00	44.42	891.50	41.46	46.20	41.67
	256QAM	874.00	44.38	891.50	41.50	46.18	41.52

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00 + 891.50	161.74	164.98	163.69	162.81

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	B5 DSS 10 MHz		5G NR n5 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	874.00	42.94	889.00	43.08	46.02	40.02
	16QAM	874.00	43.19	889.00	43.18	46.20	41.65
	64QAM	874.00	43.02	889.00	43.15	46.10	40.71
	256QAM	874.00	43.13	889.00	43.19	46.17	41.41
1	QPSK	874.00	43.17	889.00	43.25	46.22	41.87
	16QAM	874.00	43.23	889.00	43.31	46.28	42.44
	64QAM	874.00	43.10	889.00	43.28	46.20	41.66
	256QAM	874.00	43.04	889.00	43.26	46.16	41.33
2	QPSK	874.00	42.93	889.00	43.25	46.10	40.78
	16QAM	874.00	43.05	889.00	43.23	46.15	41.23
	64QAM	874.00	42.99	889.00	43.25	46.14	41.08
	256QAM	874.00	42.99	889.00	43.22	46.11	40.87
3	QPSK	874.00	43.15	889.00	43.29	46.23	42.01
	16QAM	874.00	43.14	889.00	43.29	46.23	41.97
	64QAM	874.00	43.16	889.00	43.23	46.20	41.71
	256QAM	874.00	43.08	889.00	43.25	46.18	41.47

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
874.00 + 889.00	164.69	167.29	165.16	165.08

(2 Port)B5 LTE B5 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C)

Ant.	Mod	LTE B5 5 MHz		5G NR n5 5 MHz + B5 DSS 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	871.50	41.77	886.50	46.23	47.56	56.98
	16QAM	871.50	41.67	886.50	46.23	47.53	56.66
	64QAM	871.50	41.81	886.50	45.96	47.37	54.62
	256QAM	871.50	41.77	886.50	46.02	47.41	55.02
1	QPSK	871.50	41.82	886.50	46.02	47.42	55.21
	16QAM	871.50	41.78	886.50	46.08	47.45	55.57
	64QAM	871.50	41.79	886.50	45.96	47.37	54.56
	256QAM	871.50	41.67	886.50	46.17	47.49	56.05

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
871.50 + (881.50 + 889.00)	112.20	112.23	109.18	111.07

(2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C)

Ant.	Mod	B5 DSS 10 MHz + 5G NR n5 5 MHz		LTE B5 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	876.50	46.57	891.50	41.77	47.81	60.40
	16QAM	876.50	46.64	891.50	41.80	47.87	61.23
	64QAM	876.50	46.62	891.50	41.85	47.87	61.28
	256QAM	876.50	46.65	891.50	41.85	47.89	61.56
1	QPSK	876.50	46.64	891.50	41.97	47.91	61.84
	16QAM	876.50	46.65	891.50	41.97	47.93	62.02
	64QAM	876.50	46.71	891.50	42.00	47.97	62.69
	256QAM	876.50	46.78	891.50	42.00	48.03	63.54

Sum Data of Port 0 and Port 1

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(874.00 + 881.50) + 891.50	122.25	123.25	123.97	125.10

(4 Port)B5 LTE 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C)

Ant.	Mod	LTE B5 5 MHz		5G NR n5 5 MHz + B5 DSS 10 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	871.50	40.08	886.50	44.75	46.03	40.06
	16QAM	871.50	40.13	886.50	44.69	45.99	39.74
	64QAM	871.50	40.08	886.50	44.79	46.05	40.31
	256QAM	871.50	40.14	886.50	44.79	46.07	40.47
1	QPSK	871.50	40.12	886.50	44.87	46.13	41.00
	16QAM	871.50	40.12	886.50	44.75	46.03	40.12
	64QAM	871.50	40.11	886.50	44.85	46.10	40.78
	256QAM	871.50	40.13	886.50	44.85	46.11	40.82
2	QPSK	871.50	40.11	886.50	44.79	46.06	40.40
	16QAM	871.50	40.05	886.50	44.79	46.04	40.21
	64QAM	871.50	40.07	886.50	44.79	46.05	40.29
	256QAM	871.50	40.08	886.50	44.77	46.04	40.15
3	QPSK	871.50	40.18	886.50	44.80	46.09	40.66
	16QAM	871.50	40.11	886.50	44.78	46.05	40.29
	64QAM	871.50	40.11	886.50	44.76	46.04	40.19
	256QAM	871.50	40.19	886.50	44.85	46.13	40.99

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

Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
871.50 + (881.50 + 889.00)	162.12	160.37	161.58	162.45

(4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C)

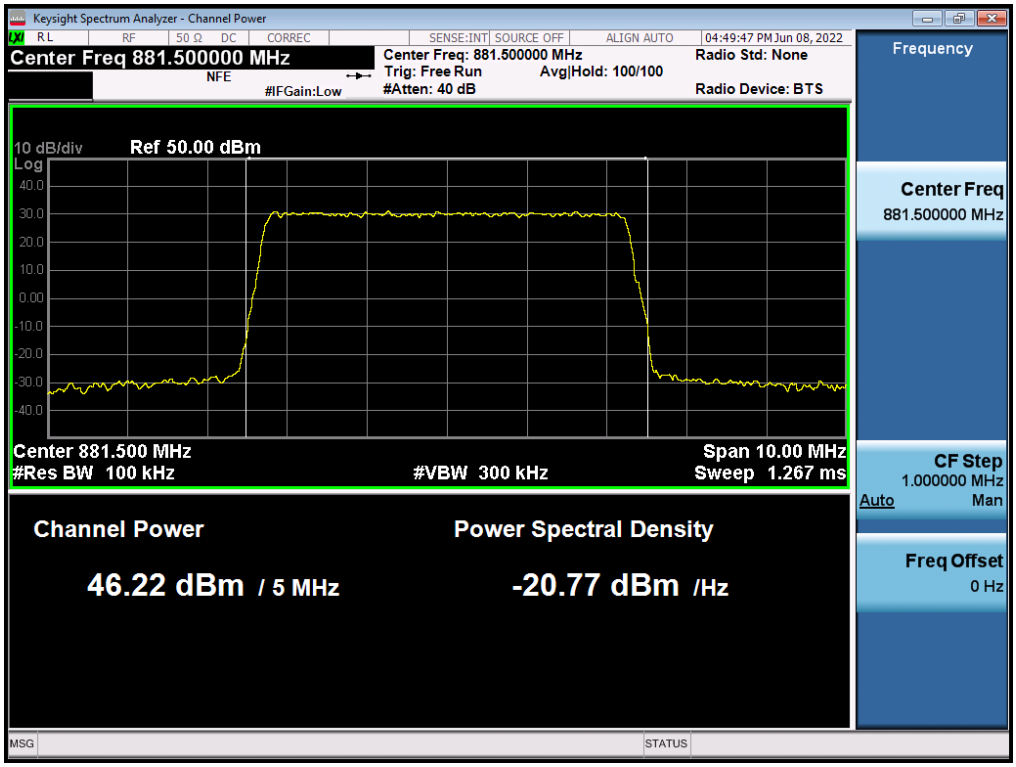
Ant.	Mod	B5 DSS 10 MHz + 5G NR n5 5 MHz		LTE B5 5 MHz		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Value (dBm)	Frequency (MHz)	Measured Value (dBm)		
0	QPSK	876.50	44.85	891.50	40.12	46.11	40.83
	16QAM	876.50	44.96	891.50	40.09	46.19	41.56
	64QAM	876.50	44.87	891.50	40.01	46.10	40.70
	256QAM	876.50	44.84	891.50	40.08	46.09	40.68
1	QPSK	876.50	44.99	891.50	40.29	46.26	42.28
	16QAM	876.50	44.95	891.50	40.33	46.24	42.04
	64QAM	876.50	44.99	891.50	40.31	46.26	42.31
	256QAM	876.50	45.04	891.50	40.38	46.31	42.79
2	QPSK	876.50	44.89	891.50	40.20	46.16	41.33
	16QAM	876.50	44.87	891.50	40.27	46.16	41.34
	64QAM	876.50	44.91	891.50	40.28	46.19	41.63
	256QAM	876.50	44.81	891.50	40.22	46.11	40.82
3	QPSK	876.50	44.99	891.50	40.25	46.25	42.15
	16QAM	876.50	44.97	891.50	40.21	46.22	41.86
	64QAM	876.50	44.93	891.50	40.29	46.21	41.83
	256QAM	876.50	44.94	891.50	40.24	46.21	41.77

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

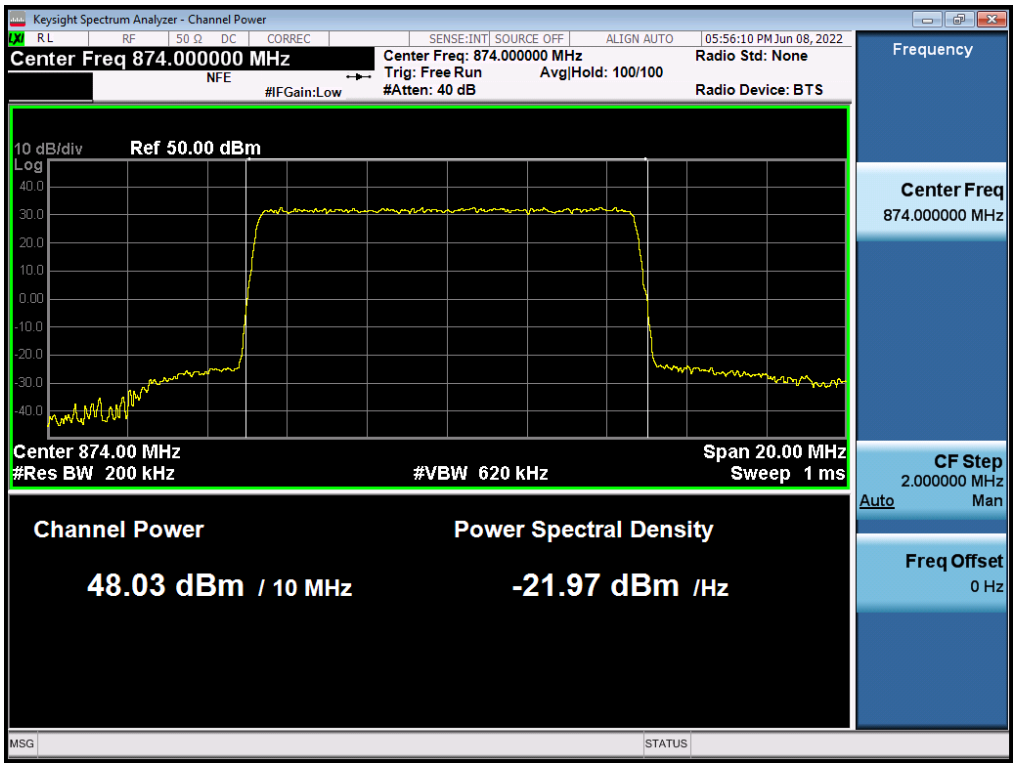
Frequency (MHz)	Output Power(Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
(874.00 + 881.50) + 891.50	166.61	166.81	166.47	166.07

Plot Data of RF Output Power

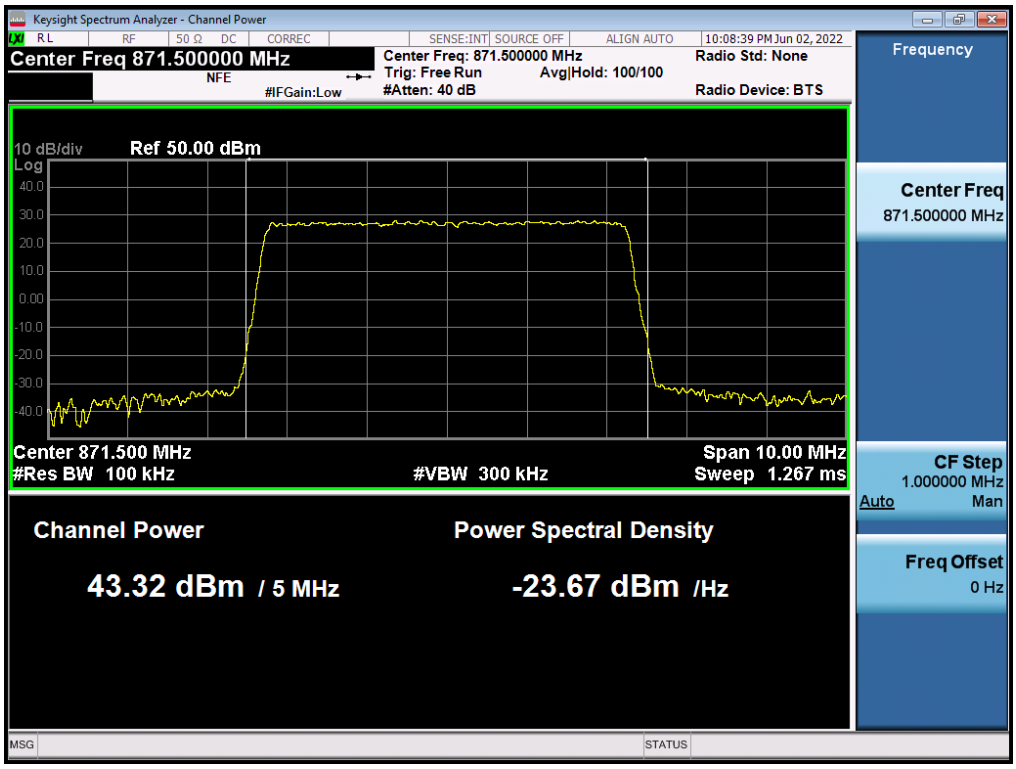
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier / 256QAM / Middle



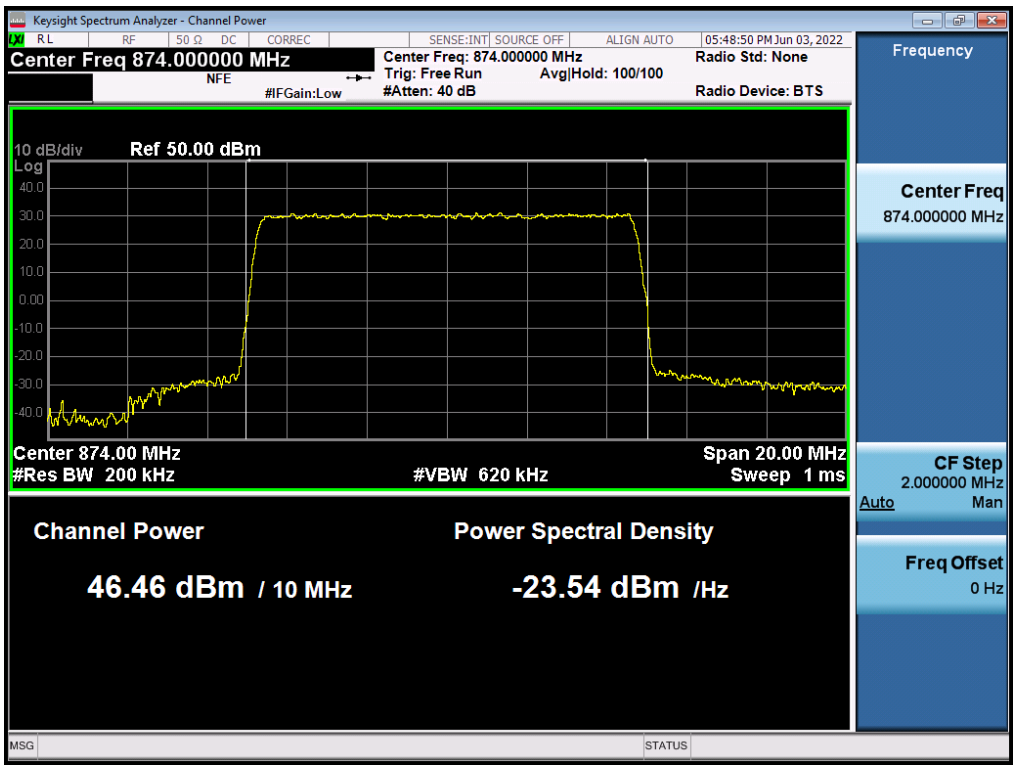
Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier / 64QAM / Low



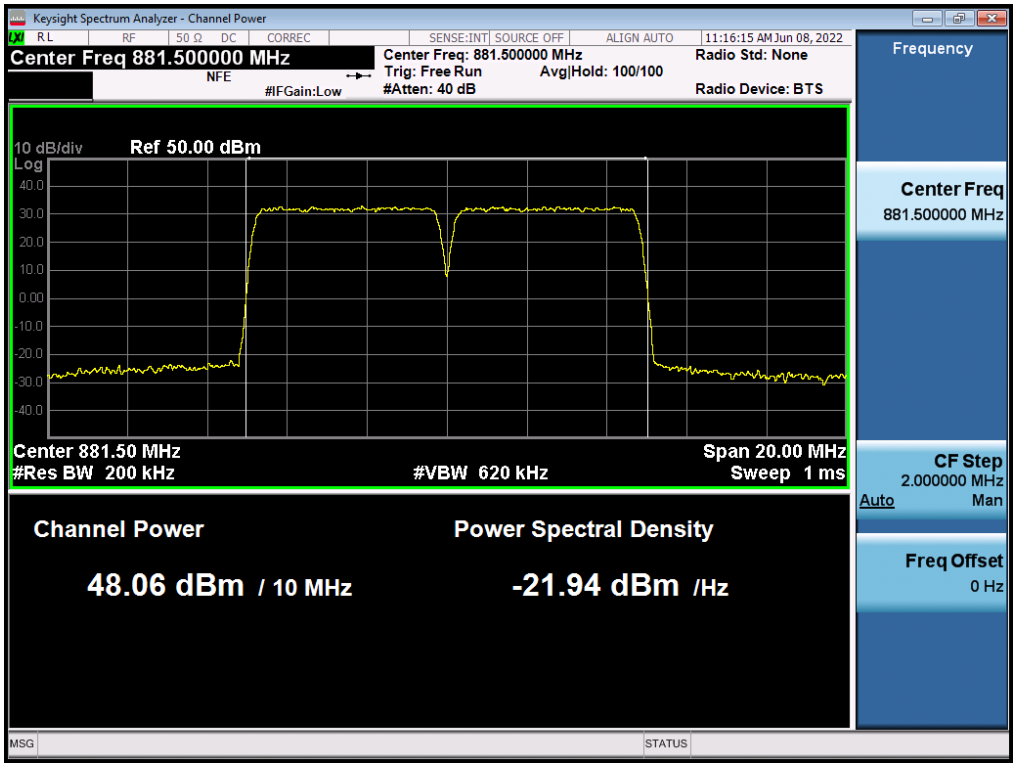
Antenna 0 / (4 Port)5G NR n5 5 MHz 1 Carrier / 256QAM / Low



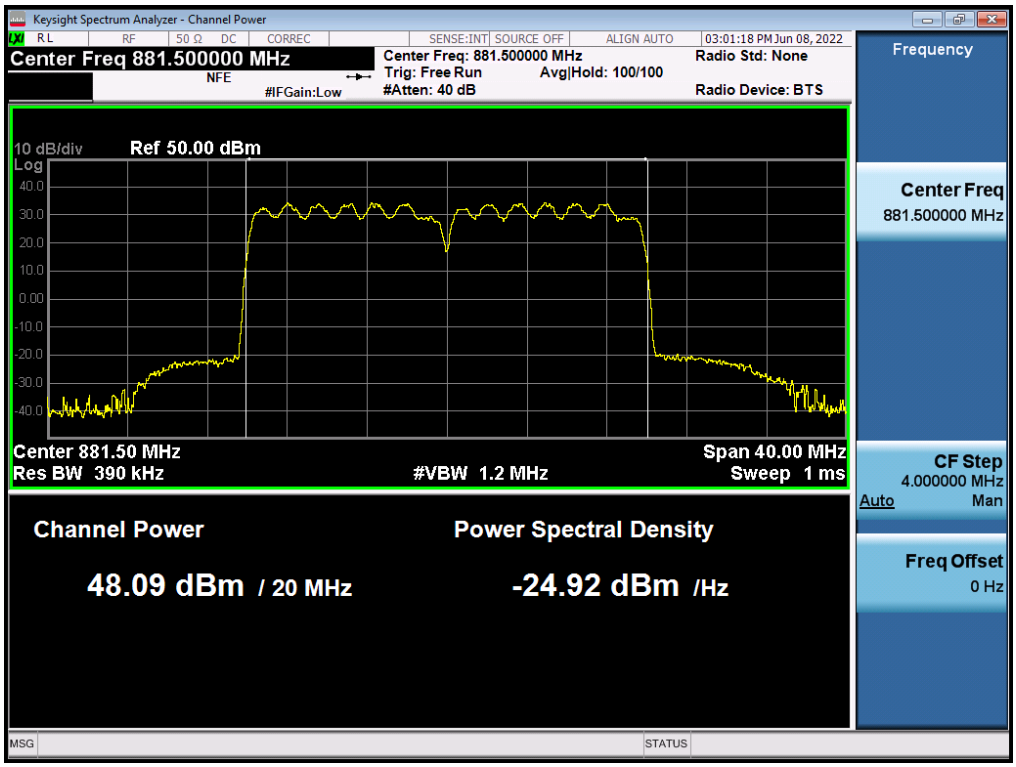
Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier / 256QAM / Low



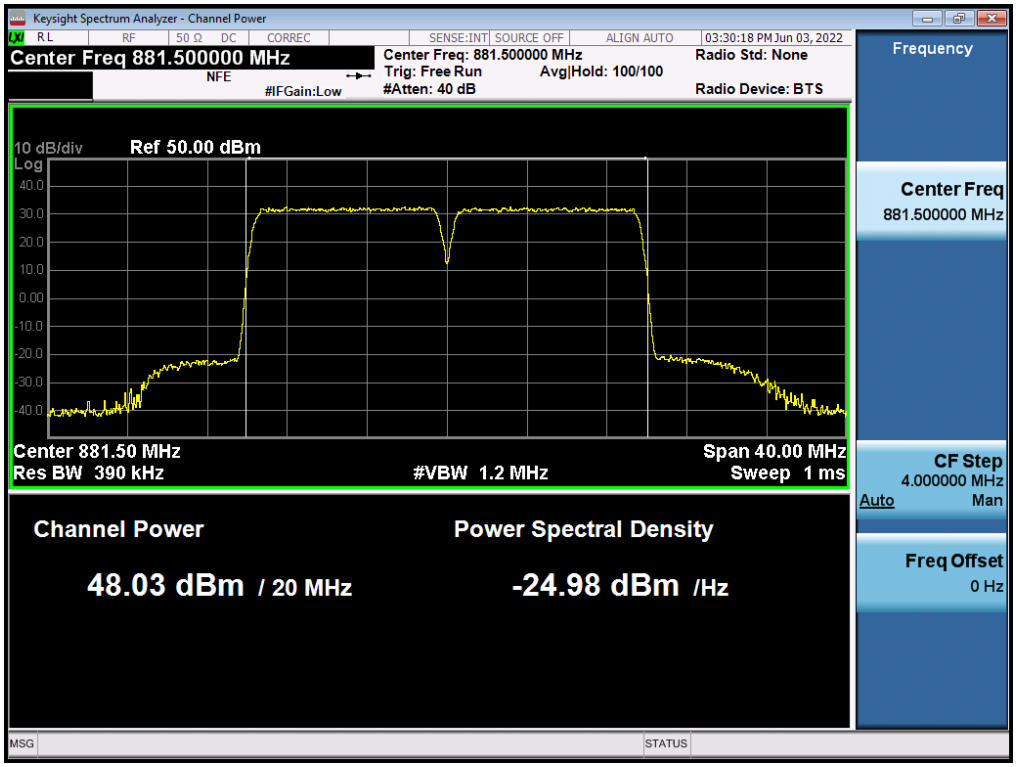
Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle



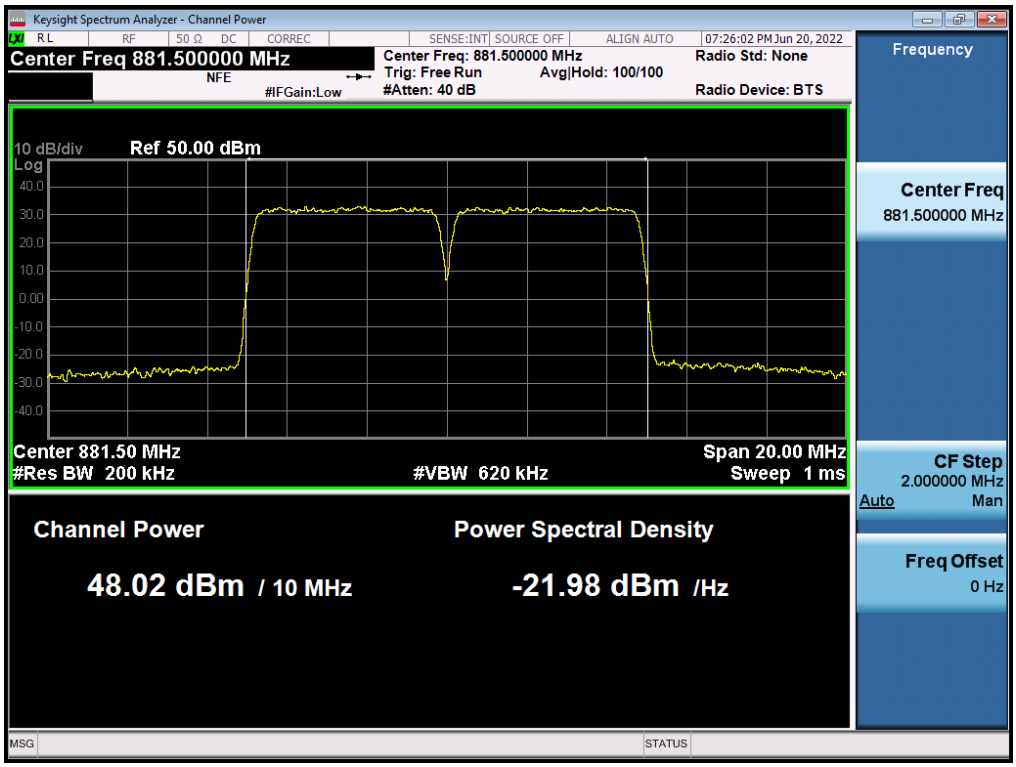
Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle



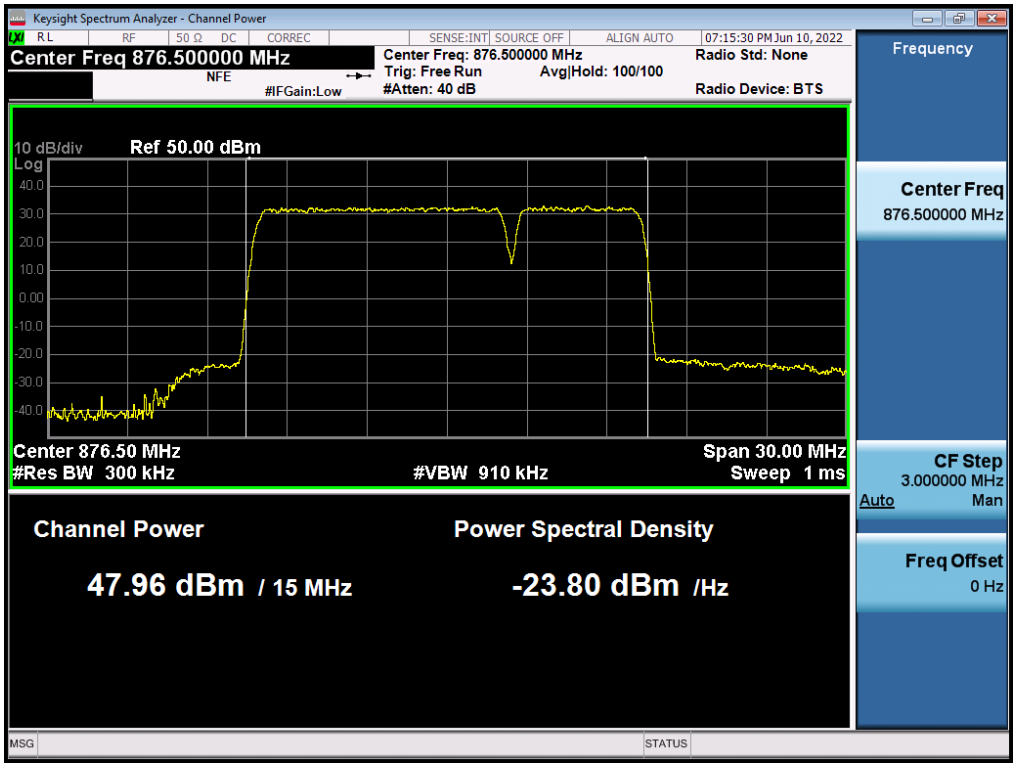
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Middle



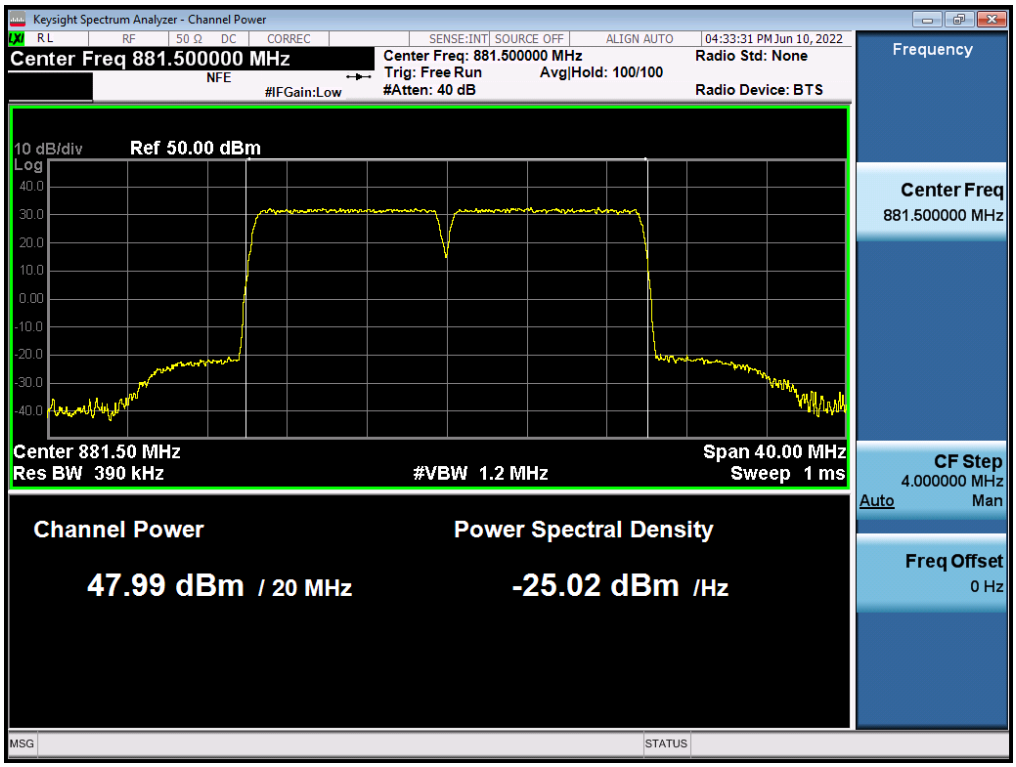
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 64QAM / Middle



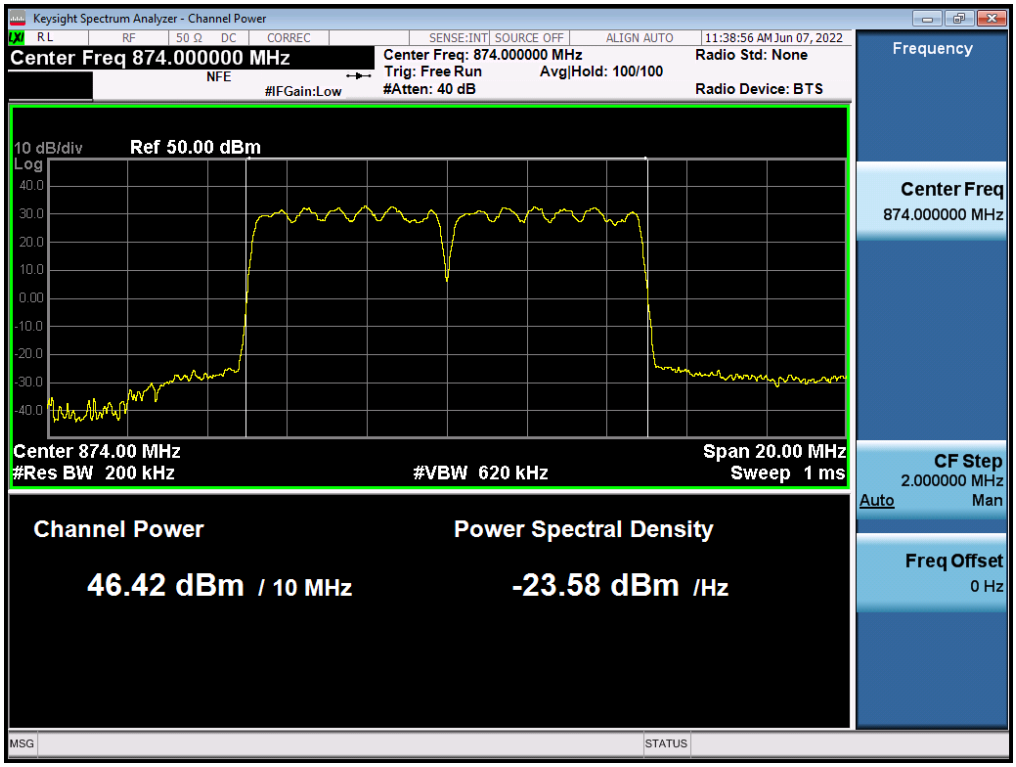
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Low



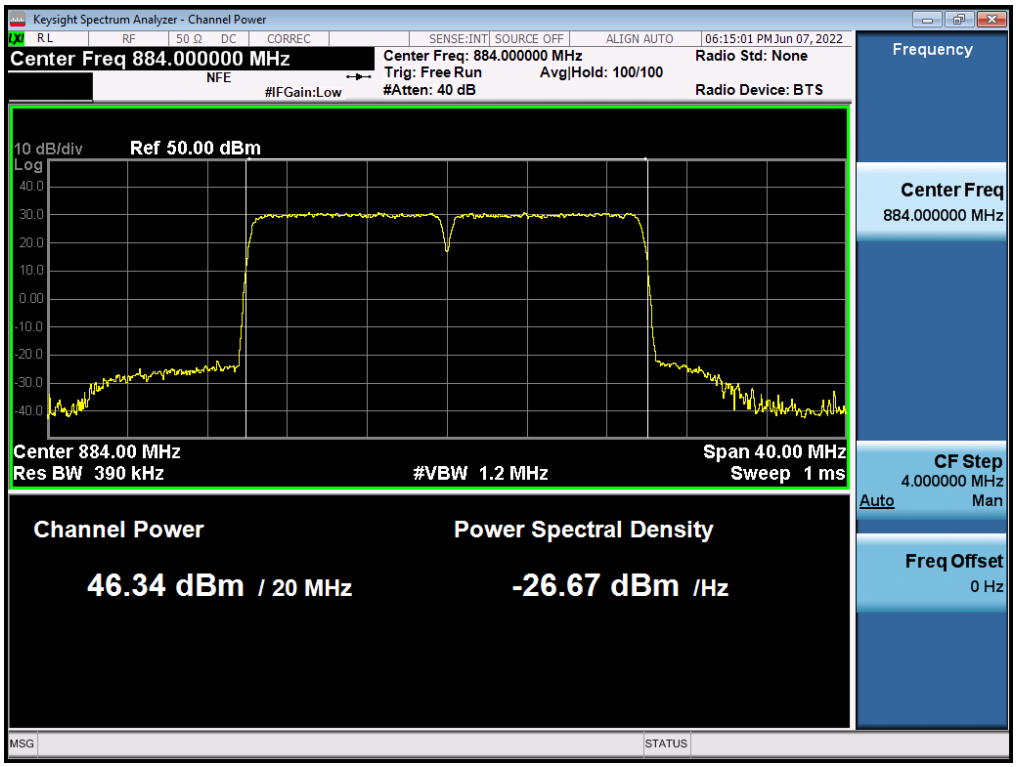
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Middle



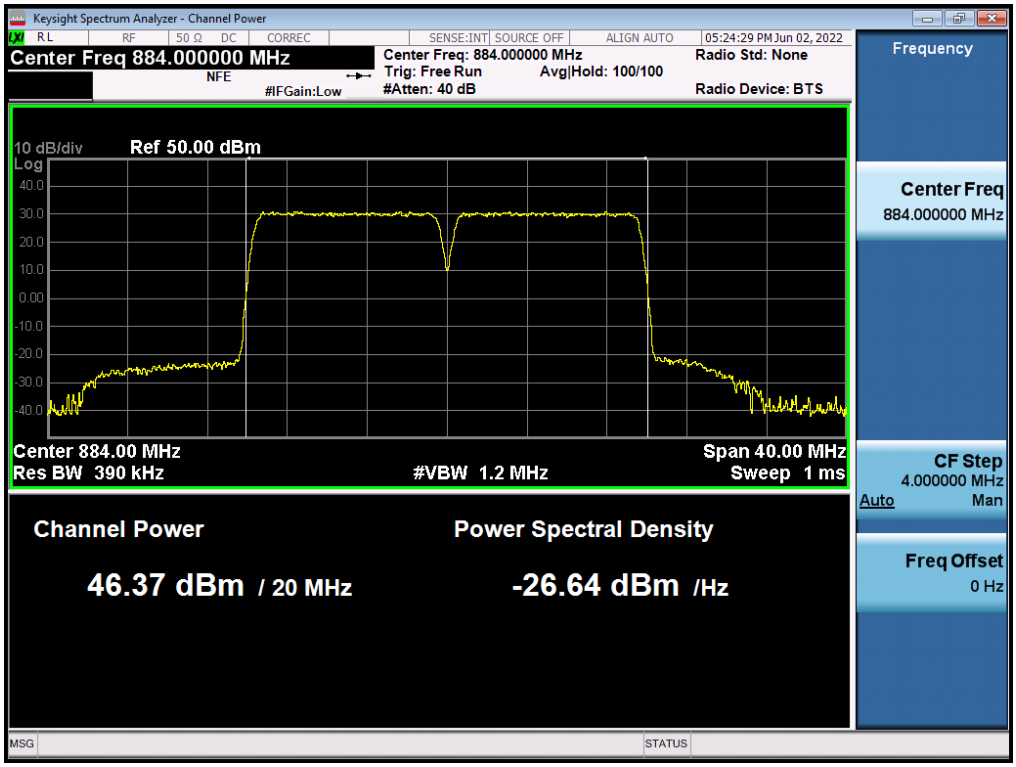
Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



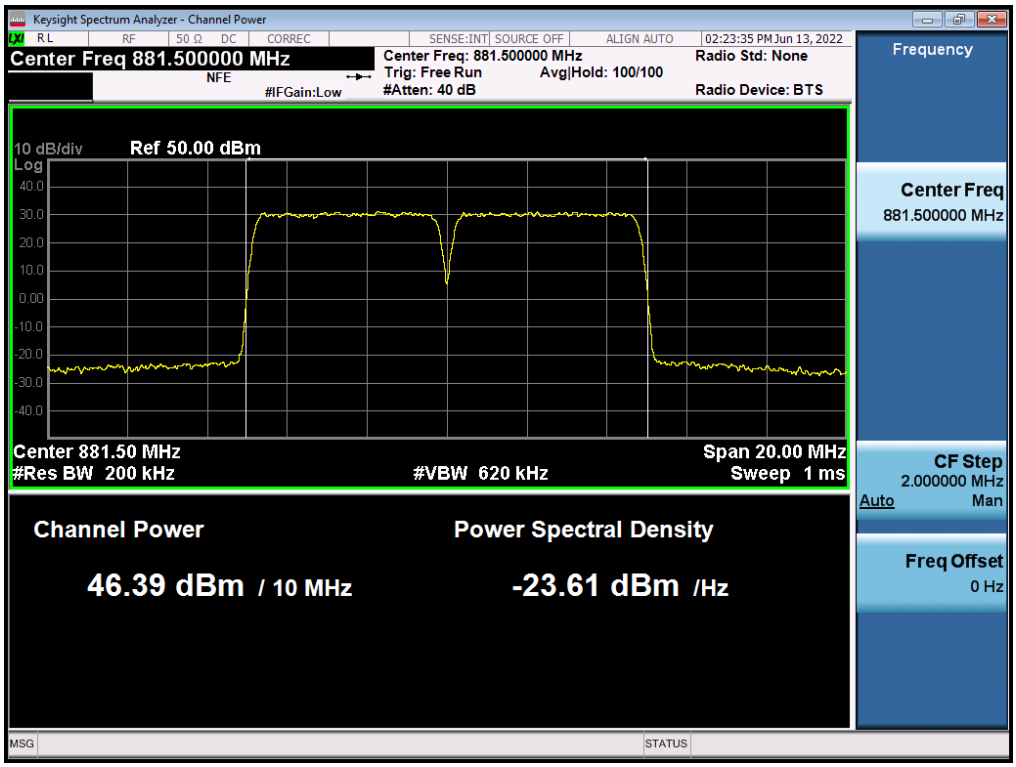
Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / High



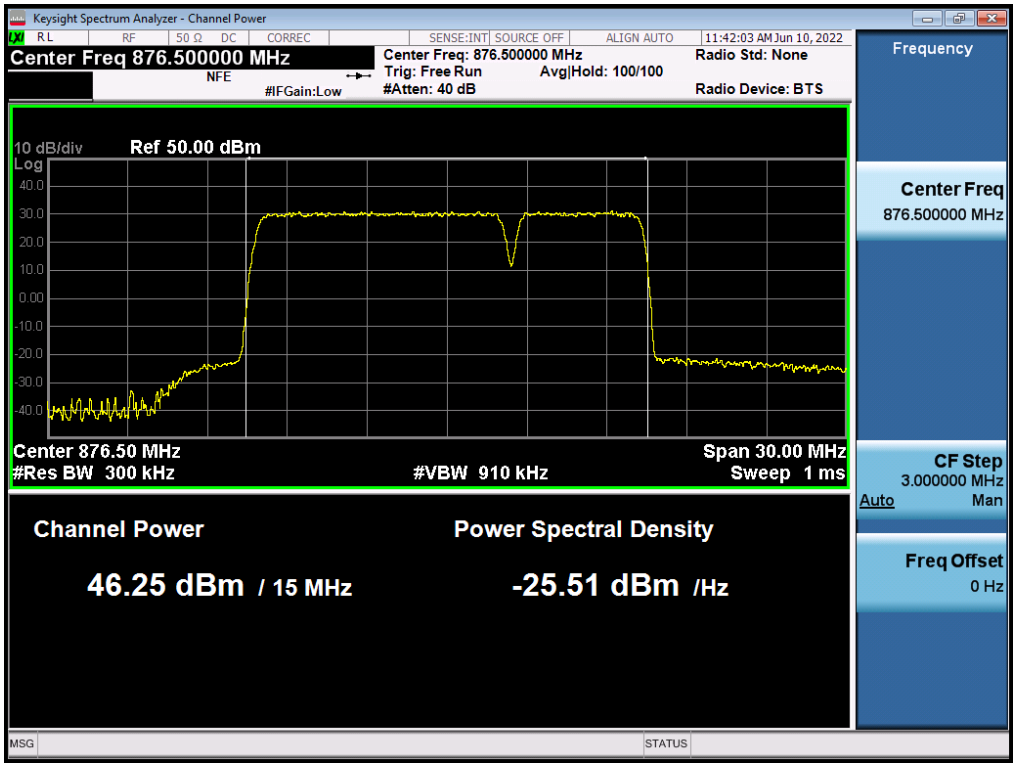
Antenna 2 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / High



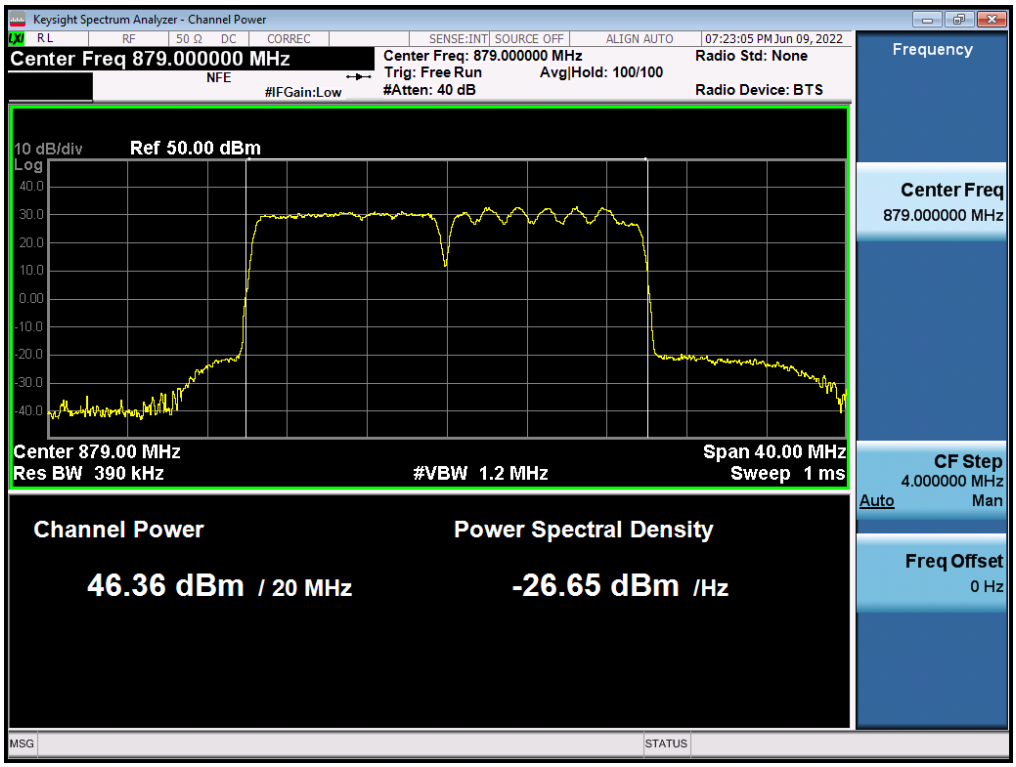
Antenna 3 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Contiguous / QPSK / Middle



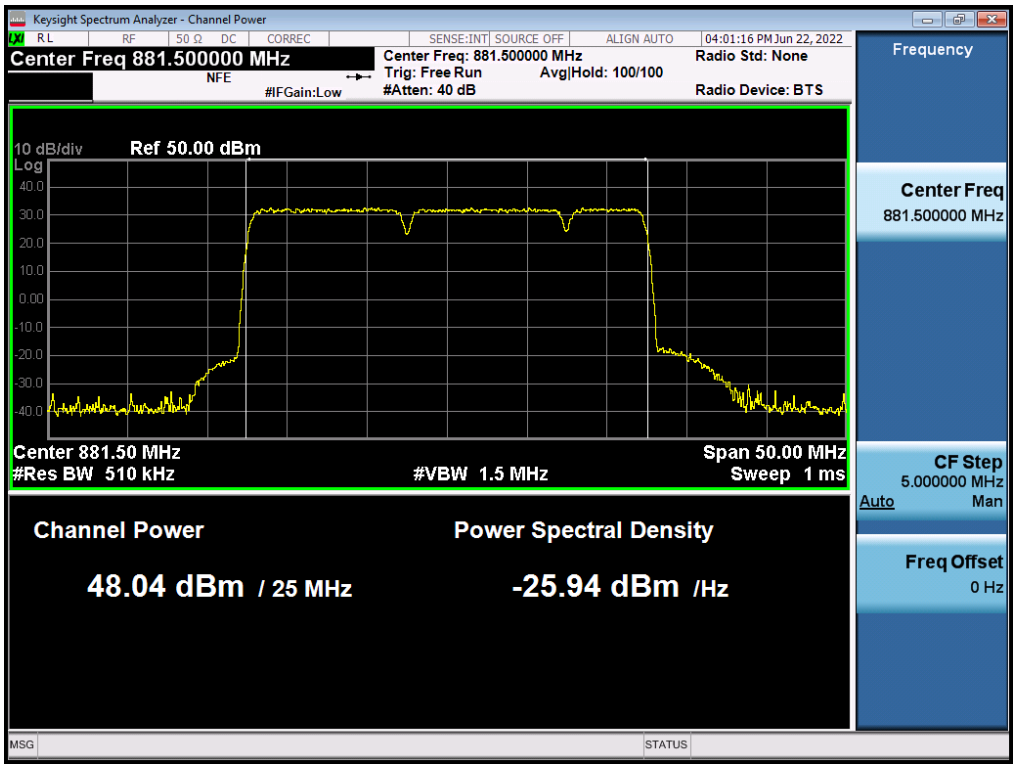
Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 256QAM / Low



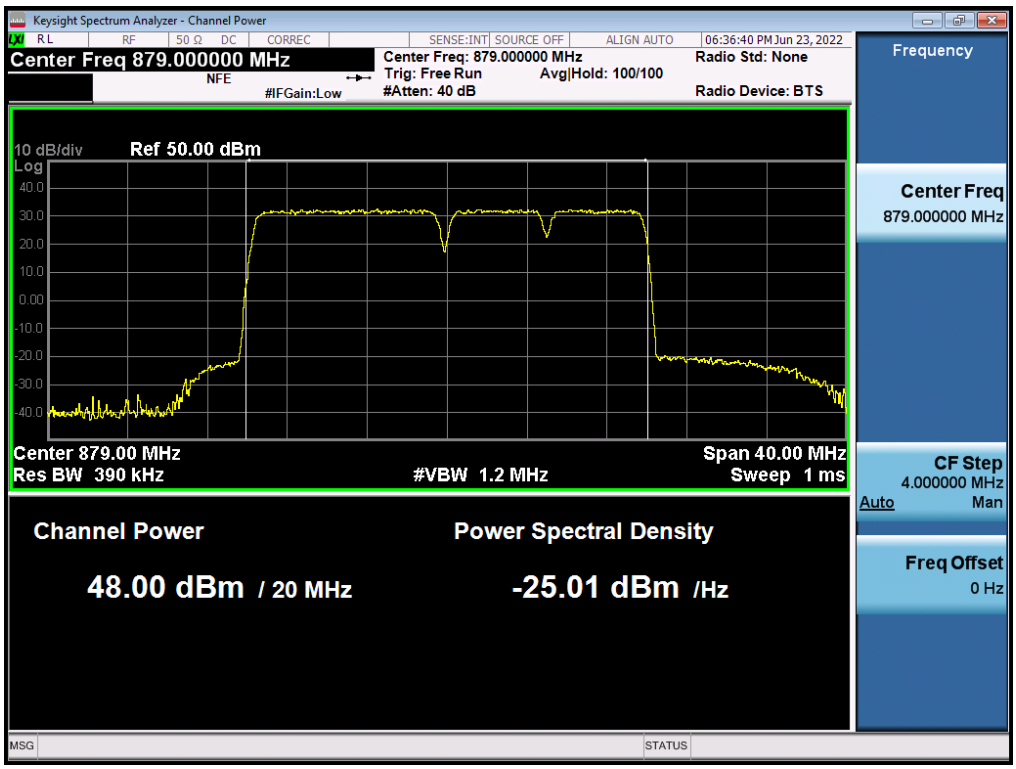
Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



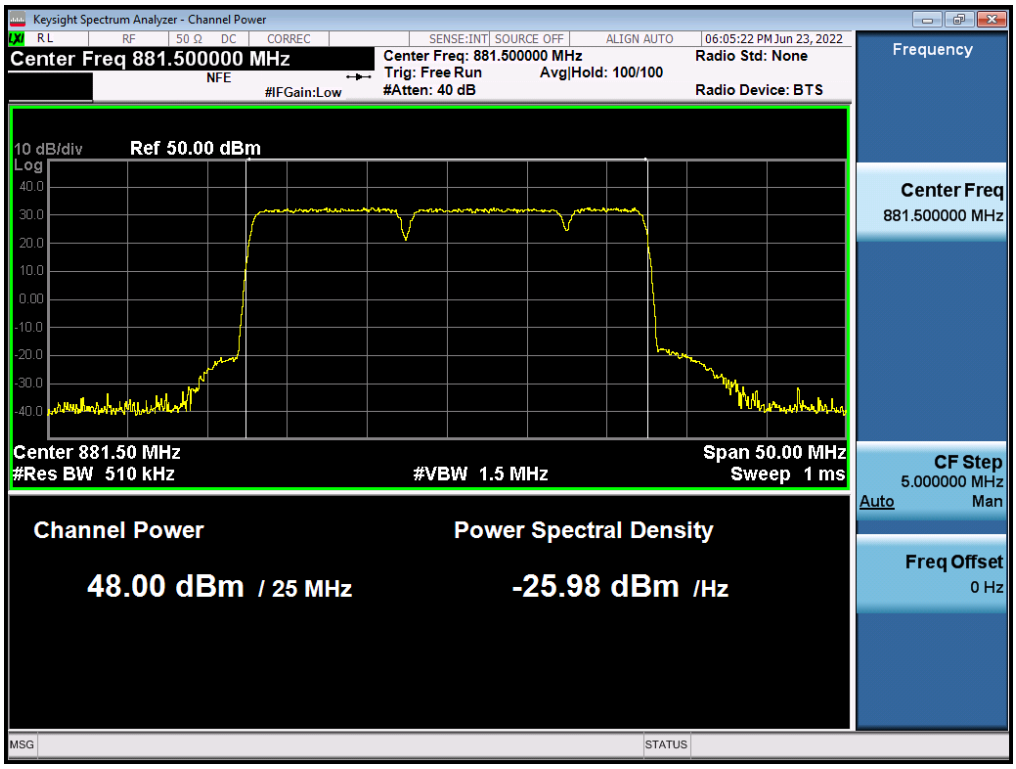
Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 256QAM / Middle



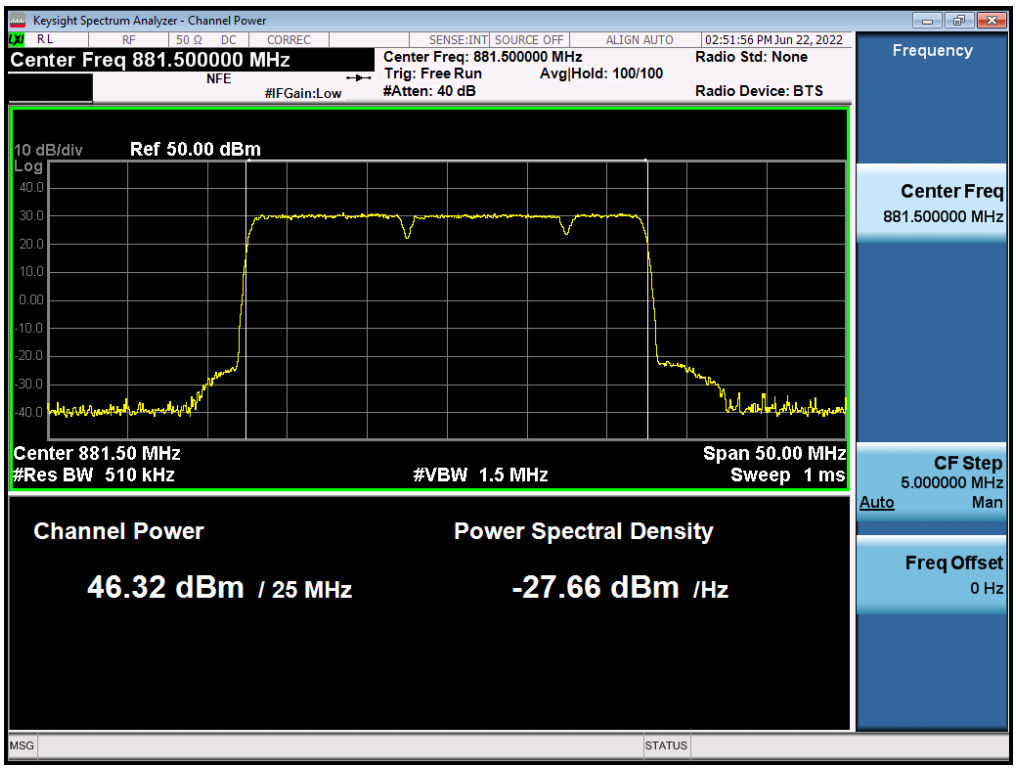
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 256QAM / Low



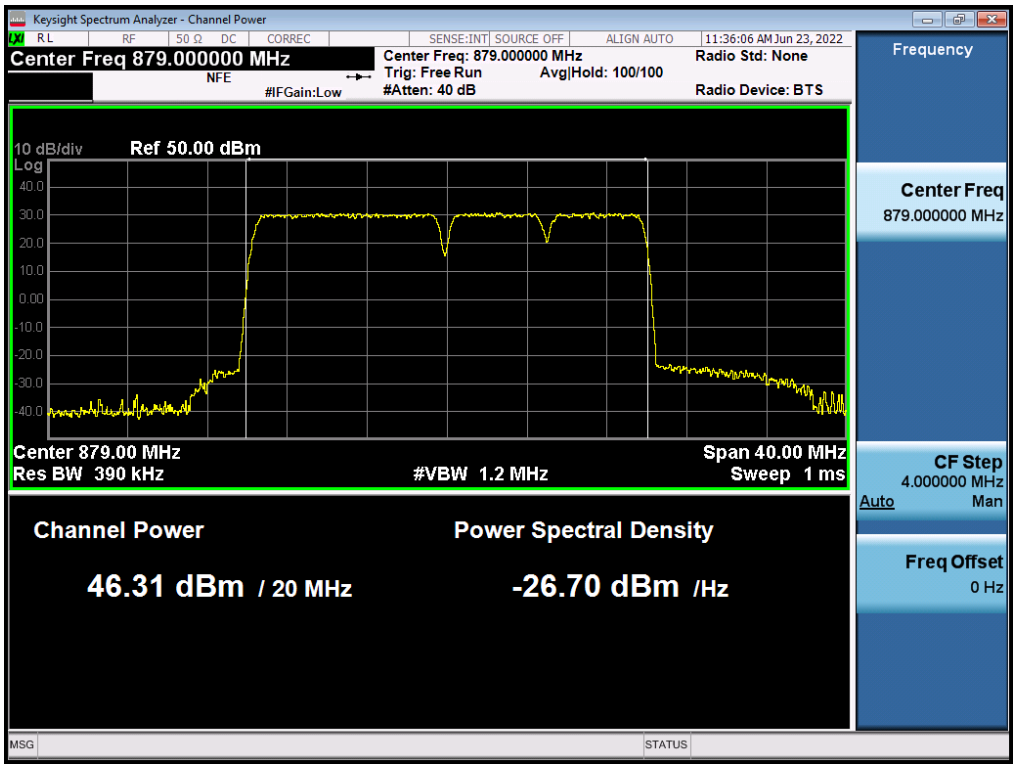
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / Middle



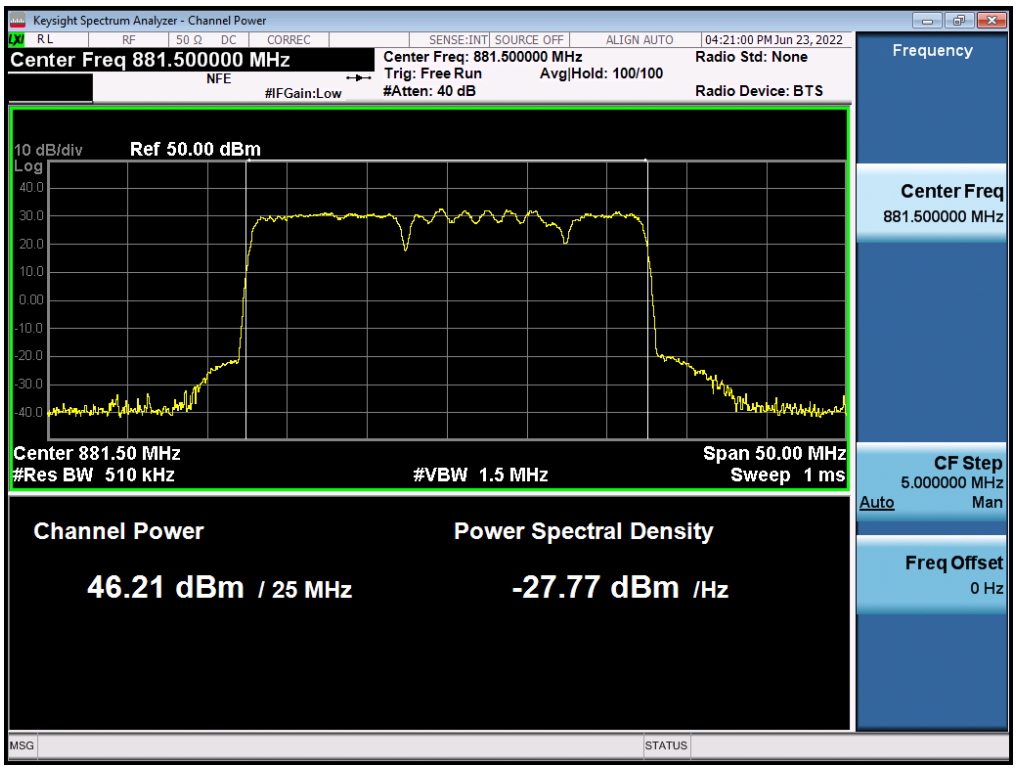
Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / Middle



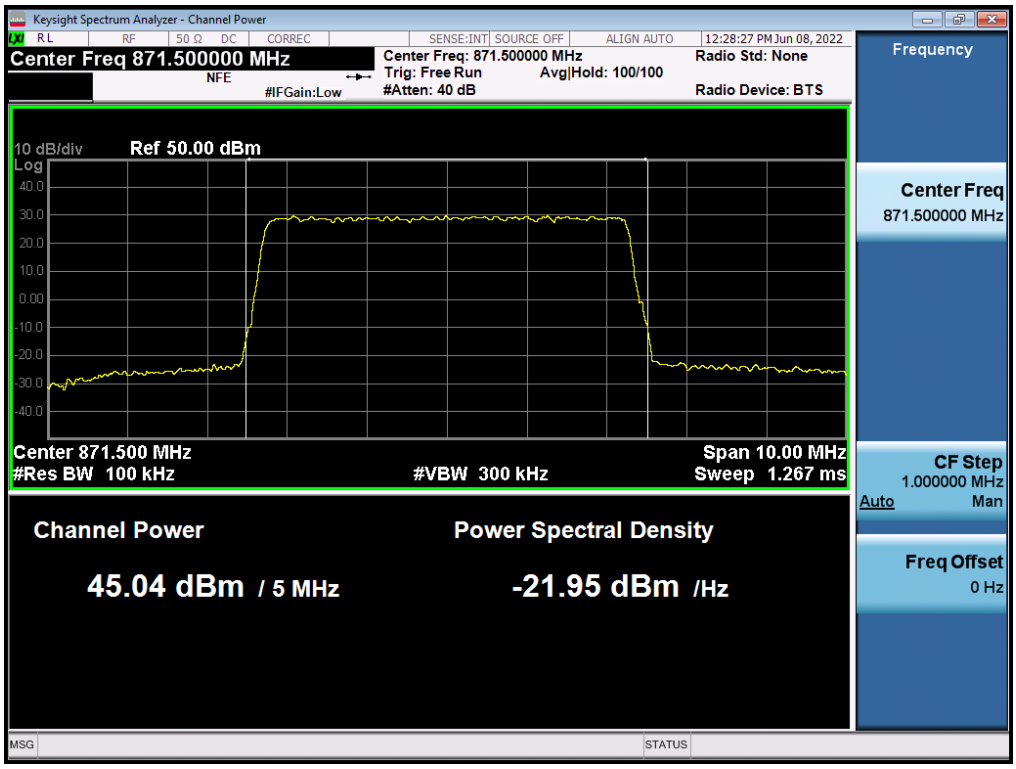
Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / Low



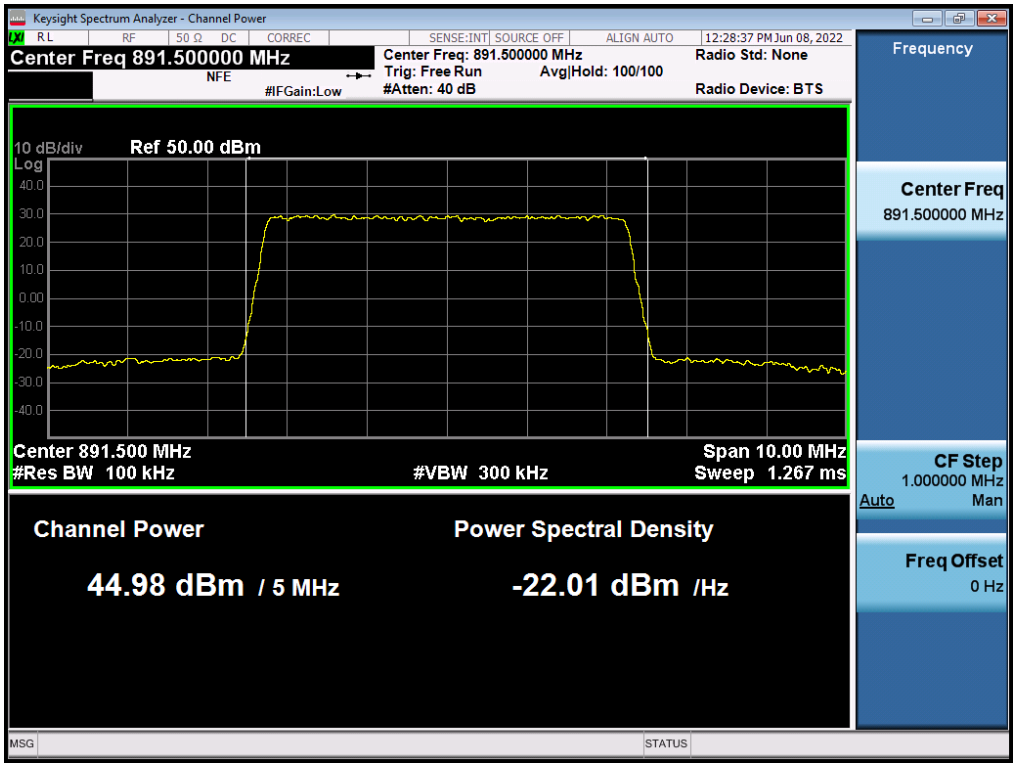
Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / Middle



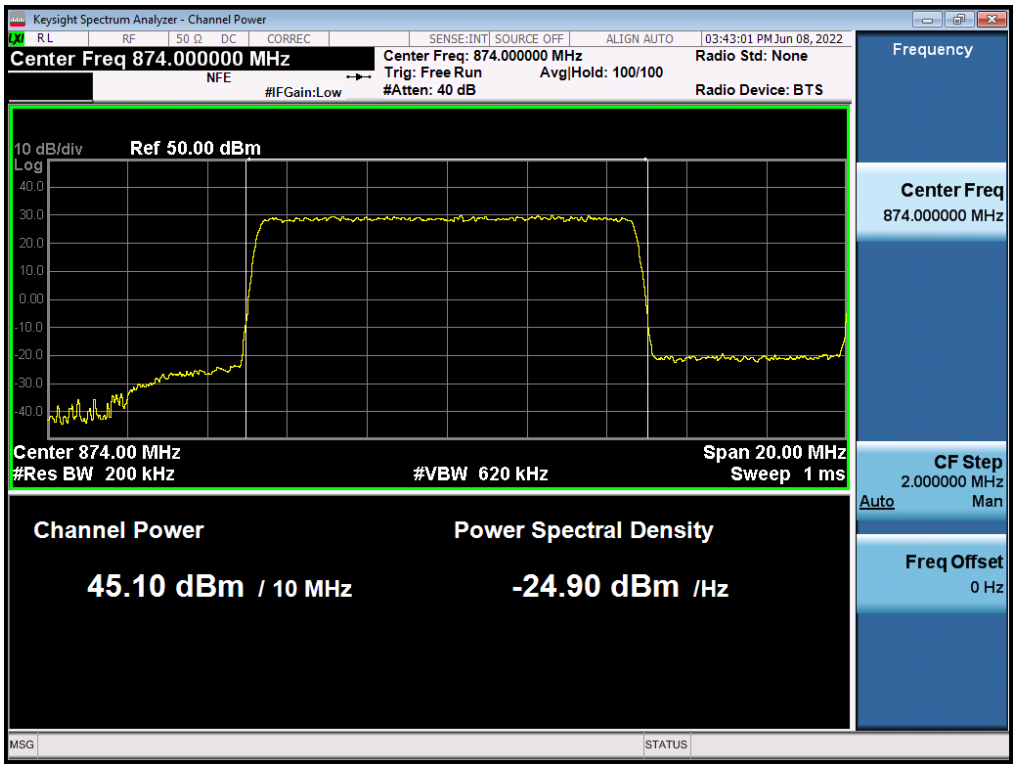
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 64QAM / Low



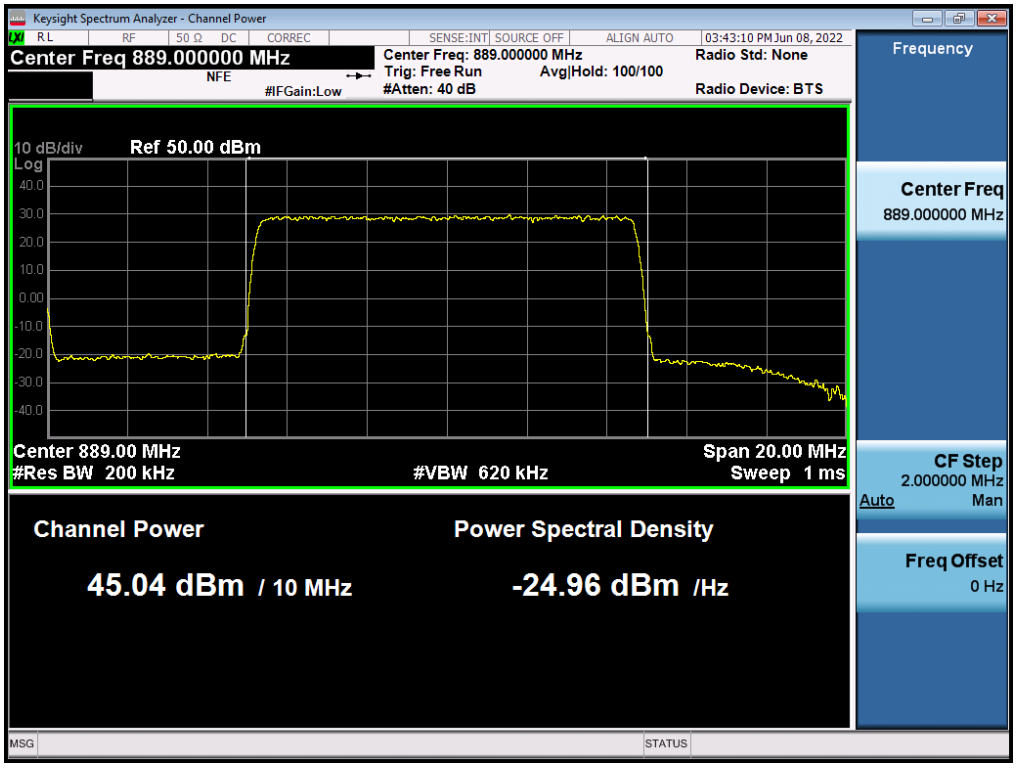
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 64QAM / High



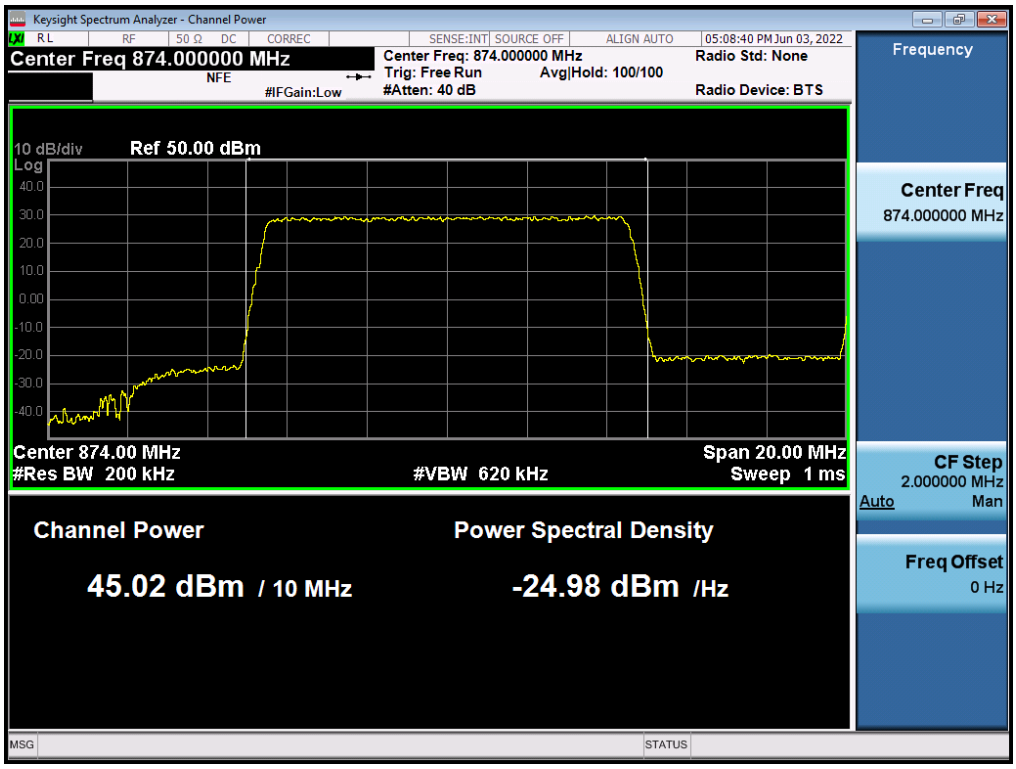
Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 64QAM / Low



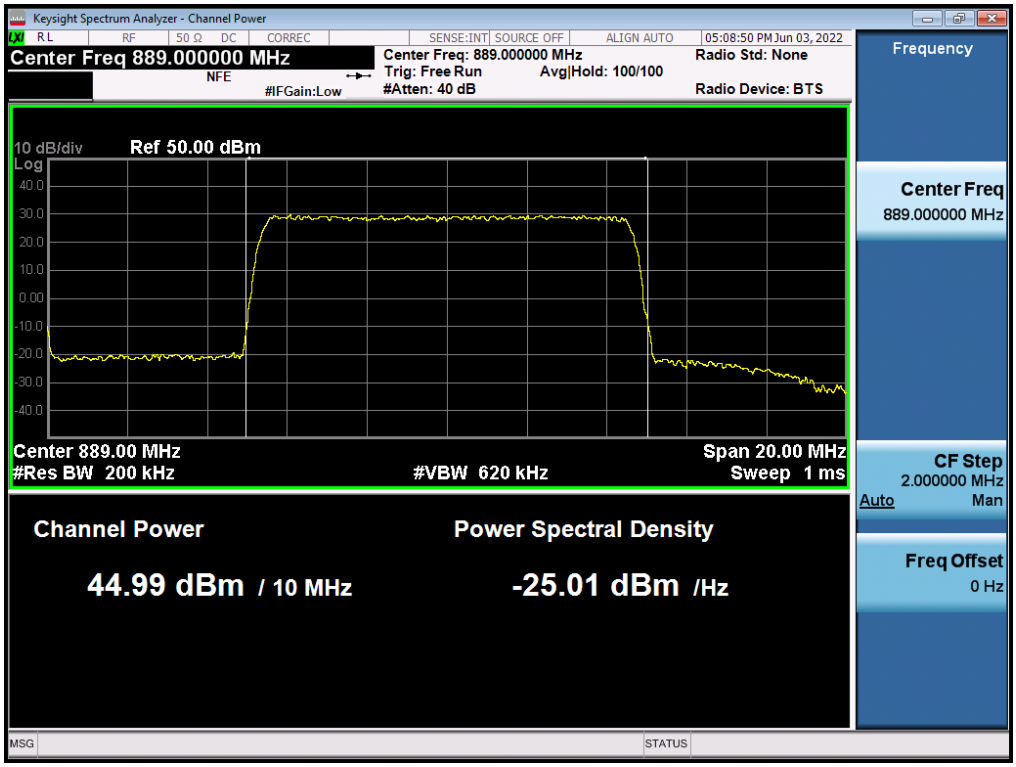
Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 64QAM / High



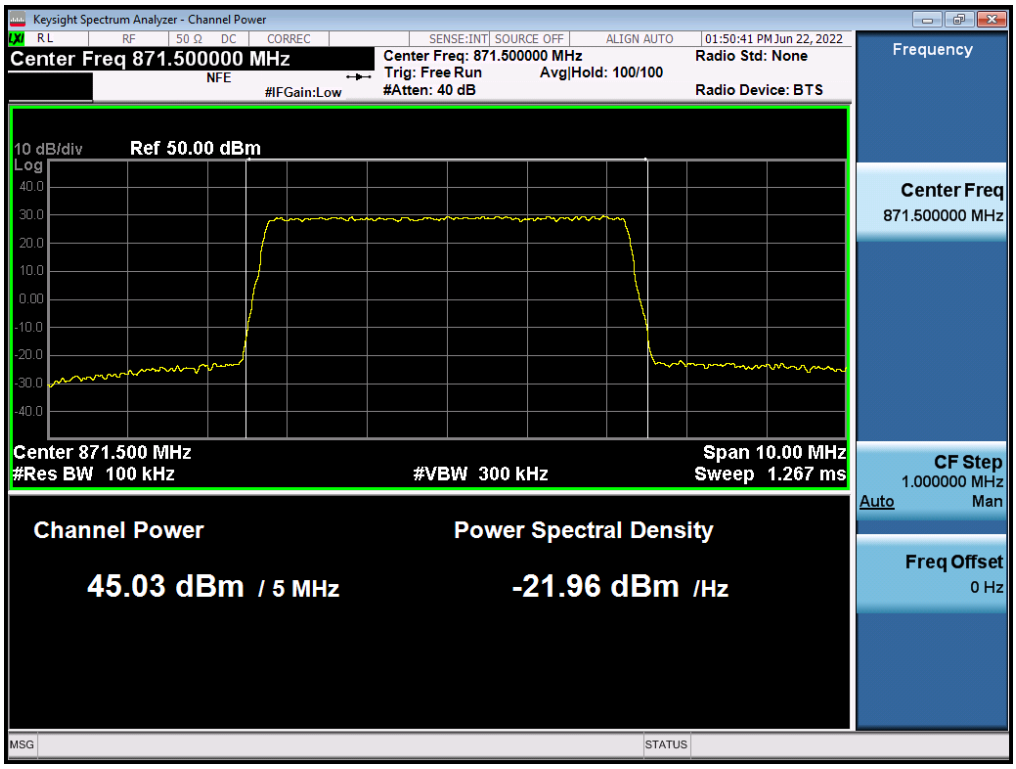
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 256QAM / Low



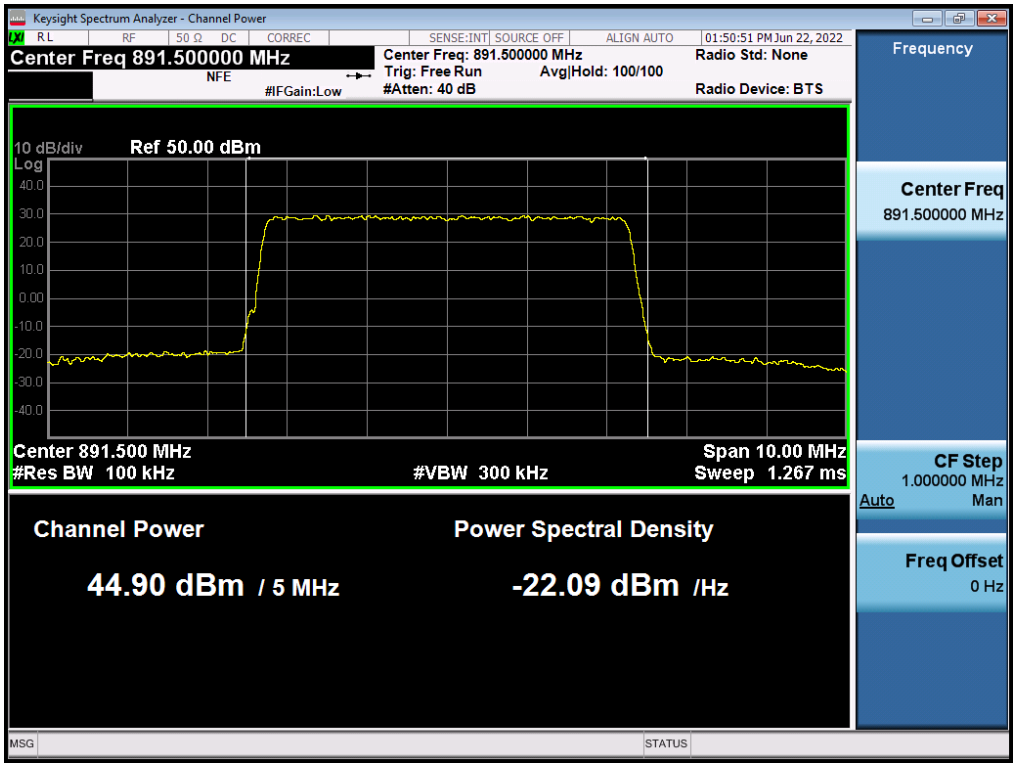
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 256QAM / High



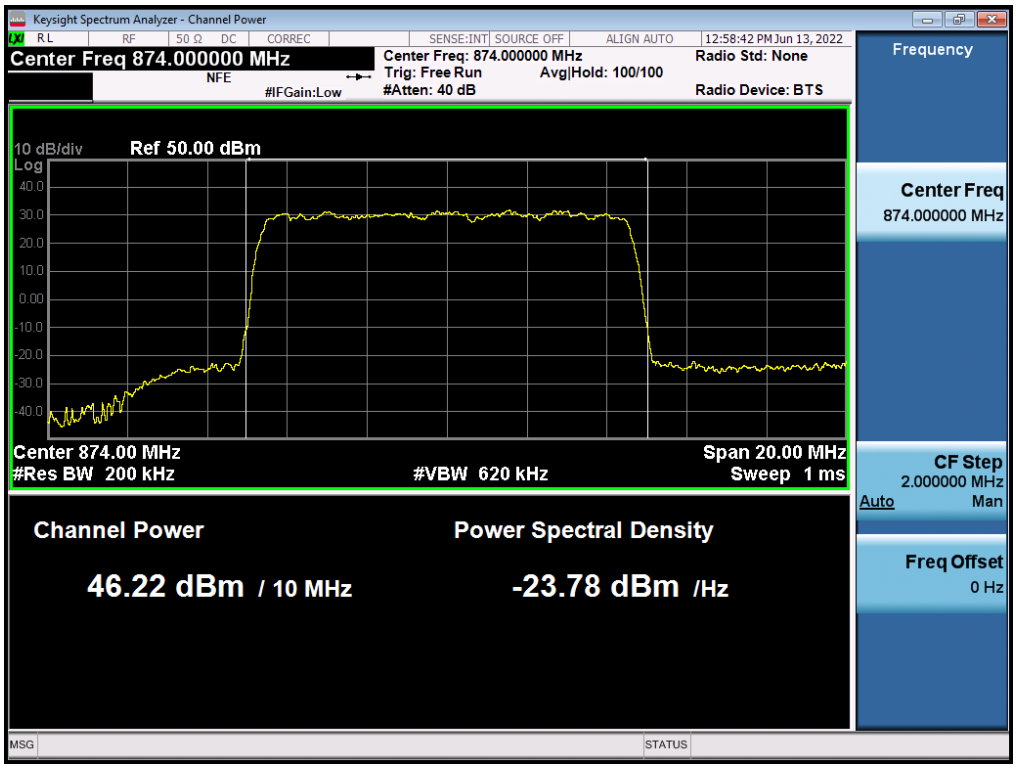
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 256QAM / Low



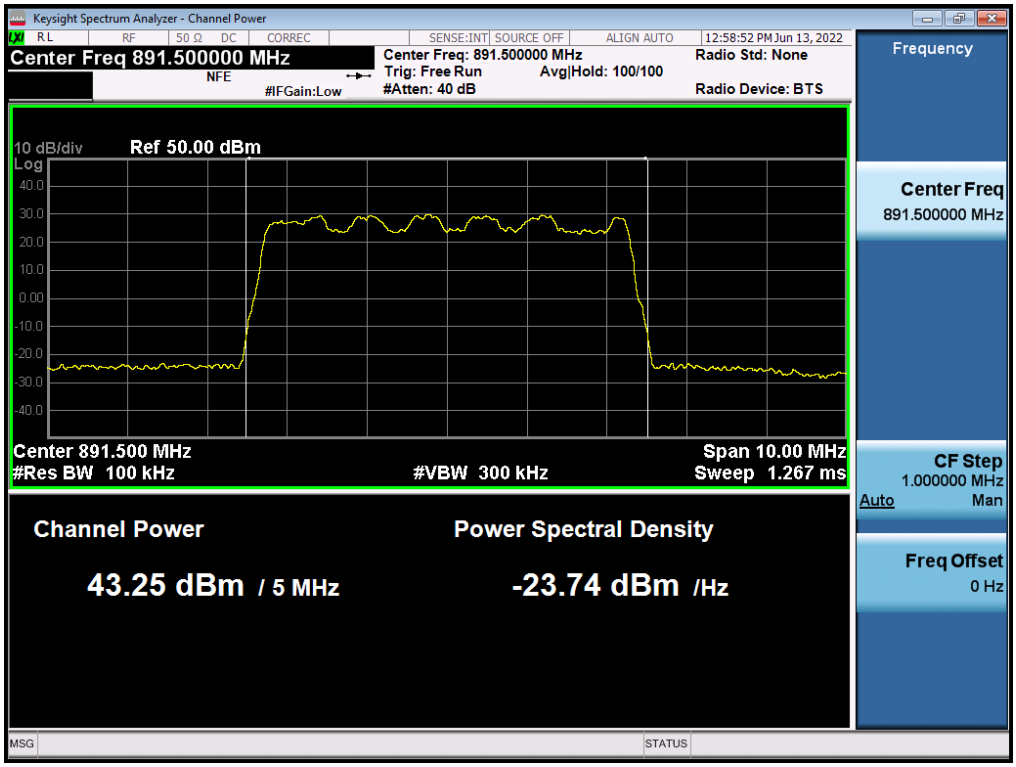
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 256QAM / High



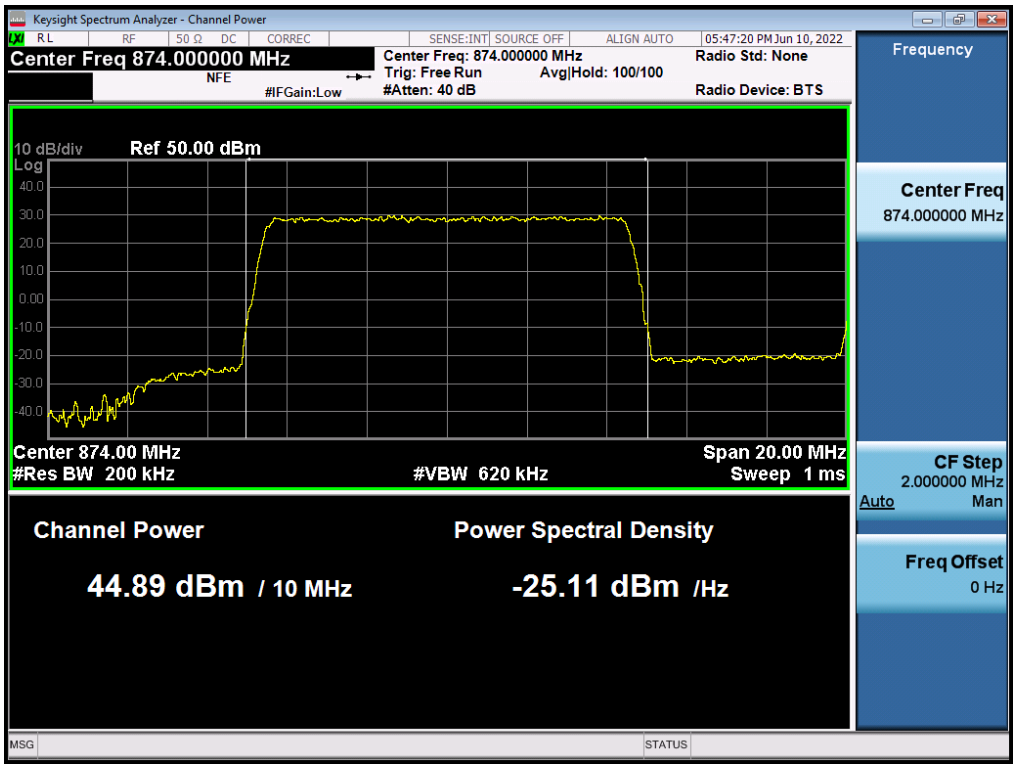
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



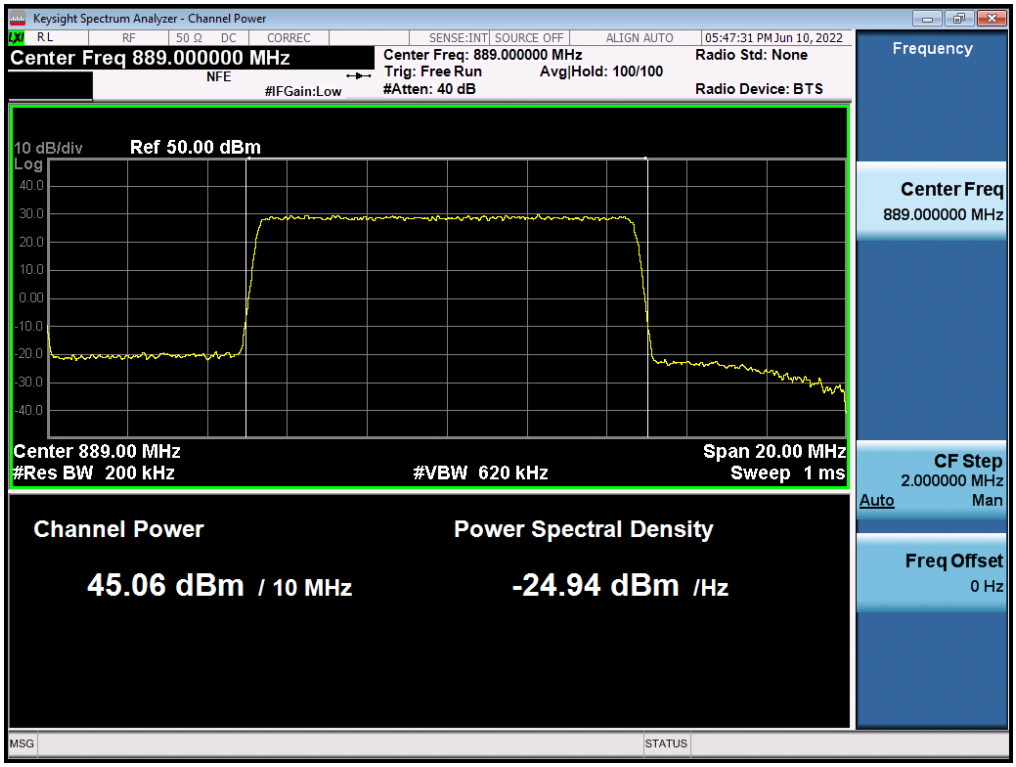
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High



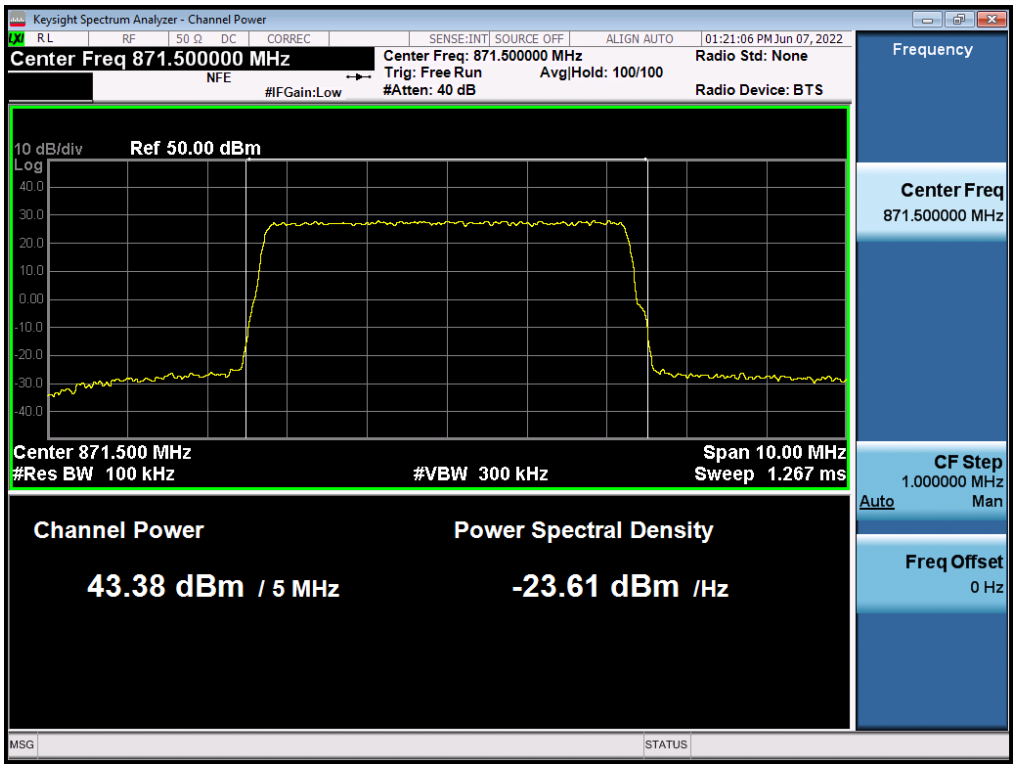
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 64QAM / Low



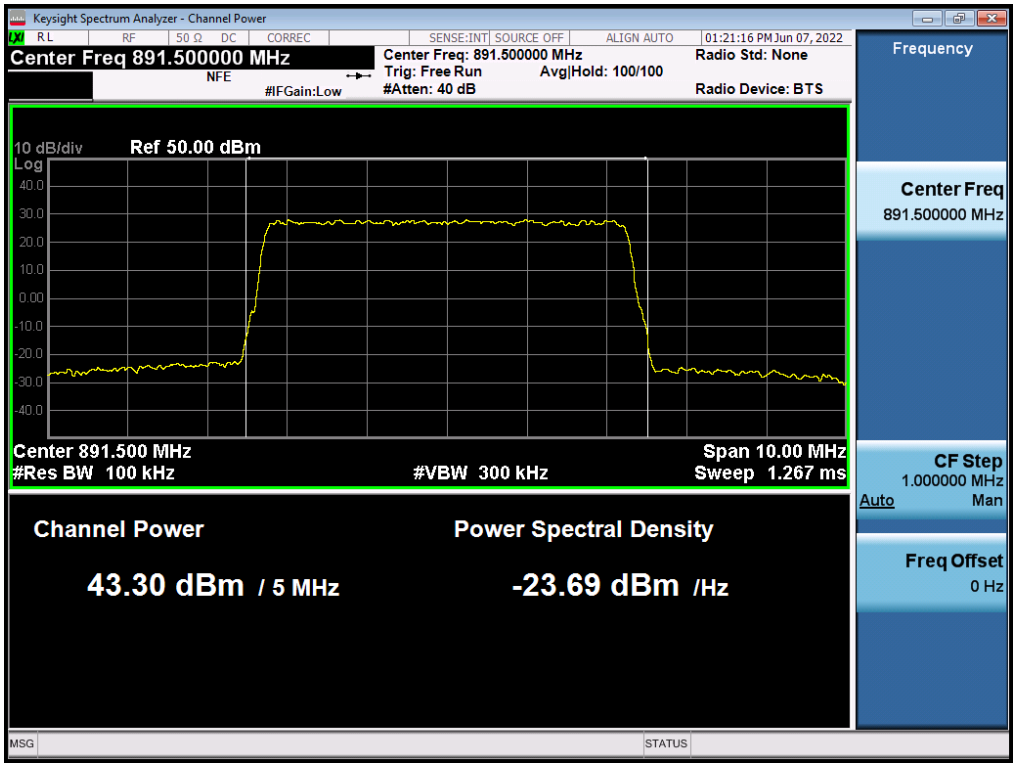
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 64QAM / High



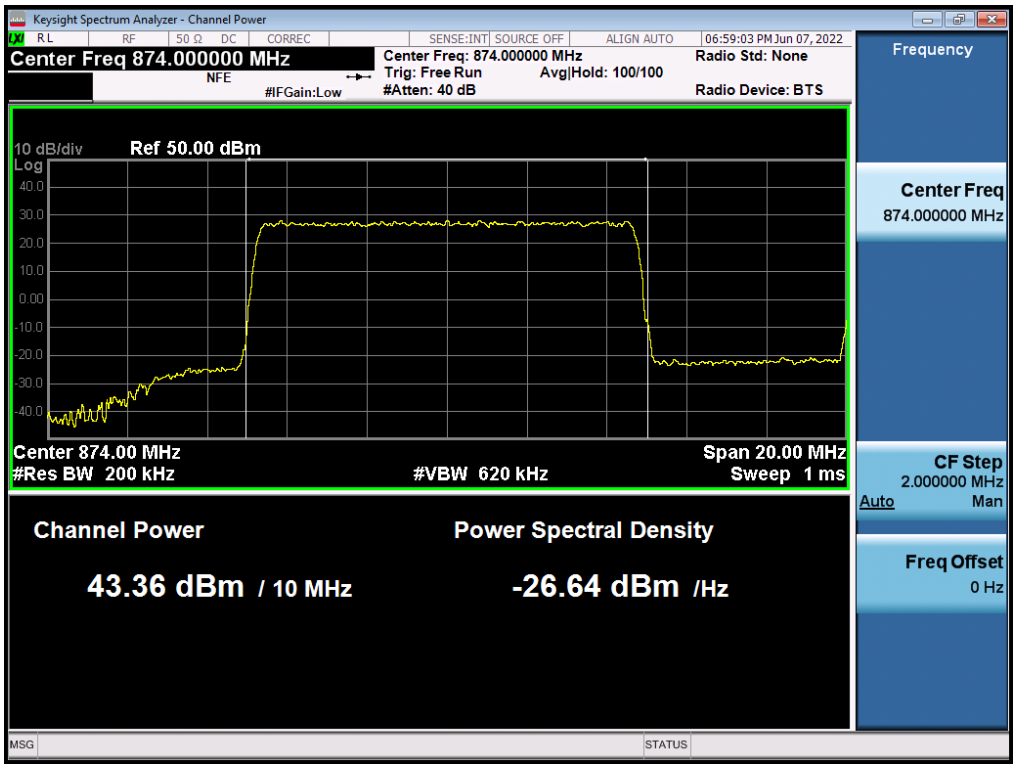
Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / QPSK / Low



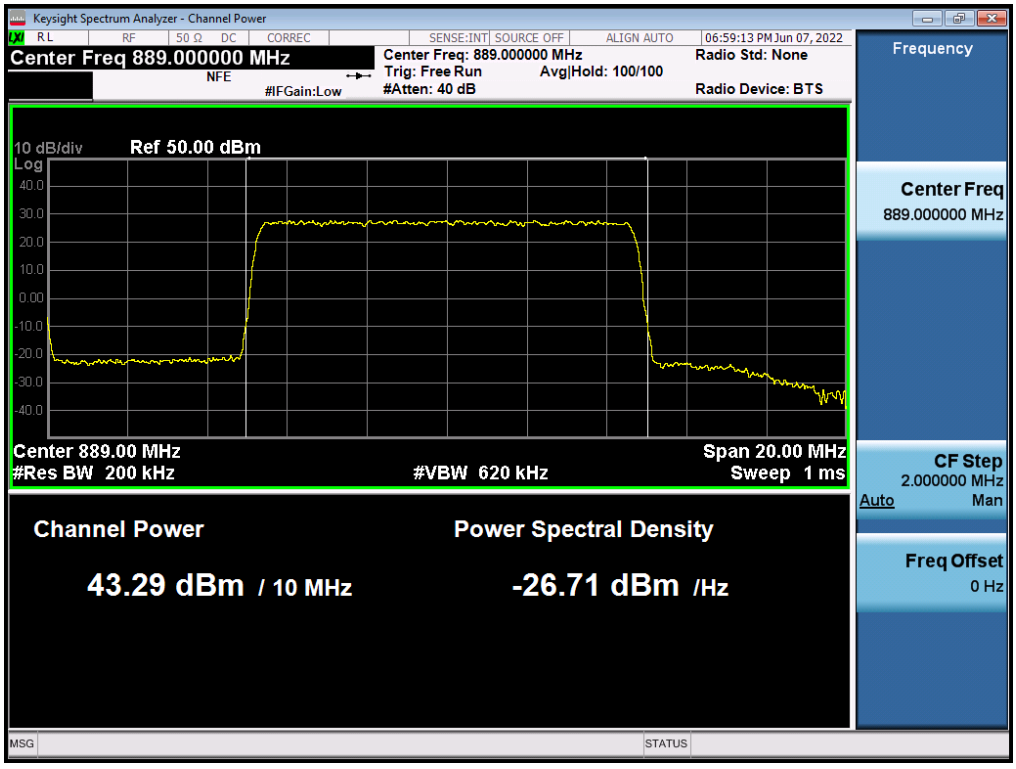
Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / QPSK / High



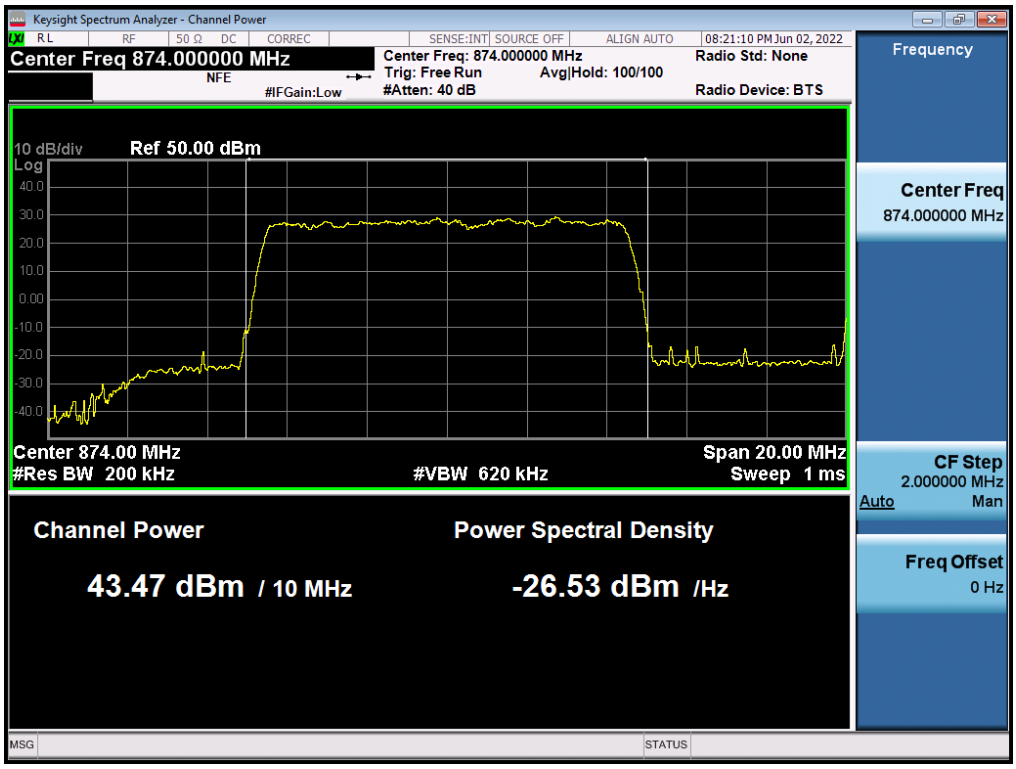
Antenna 3 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / QPSK / Low



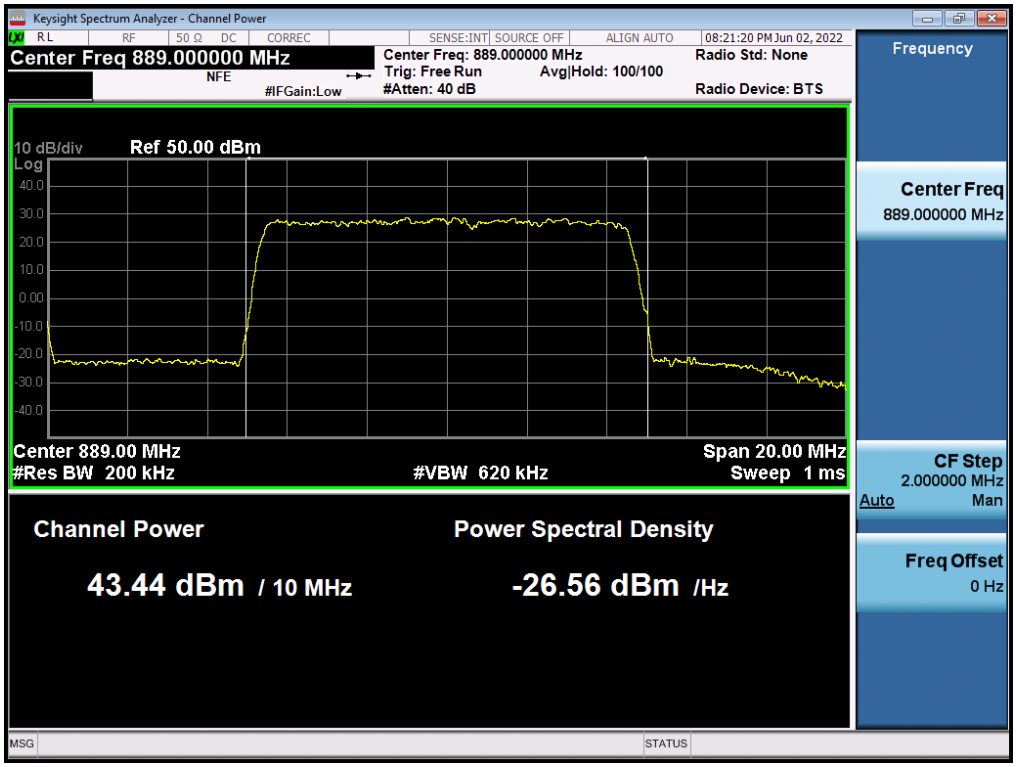
Antenna 3 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / QPSK / High



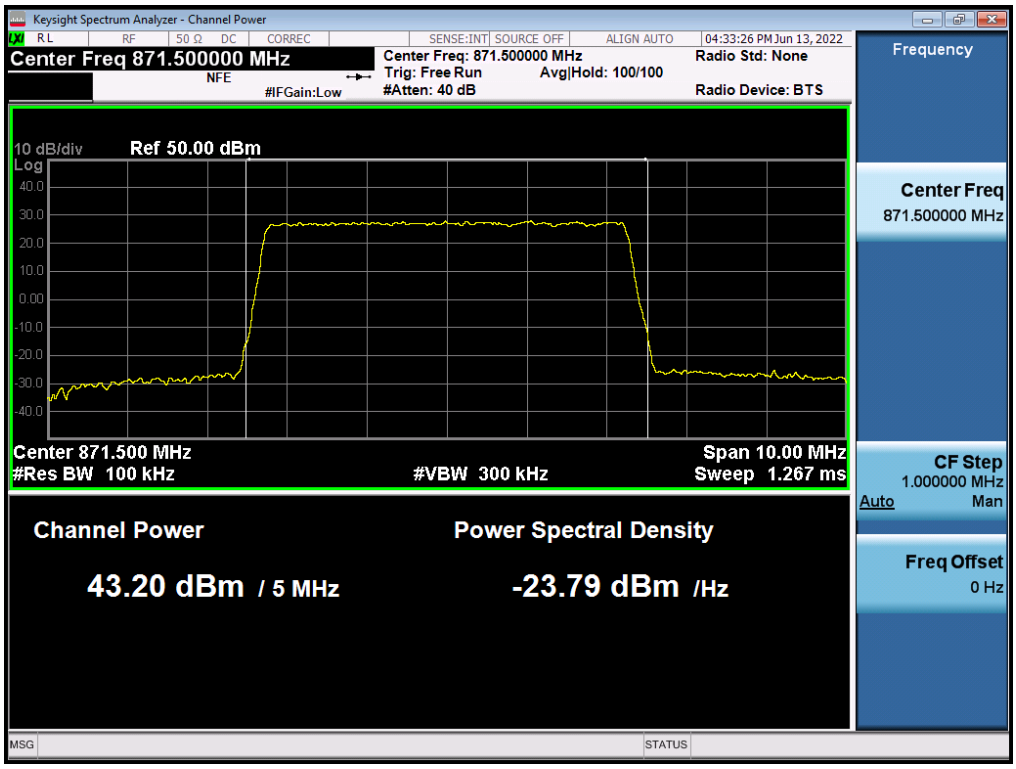
Antenna 2 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



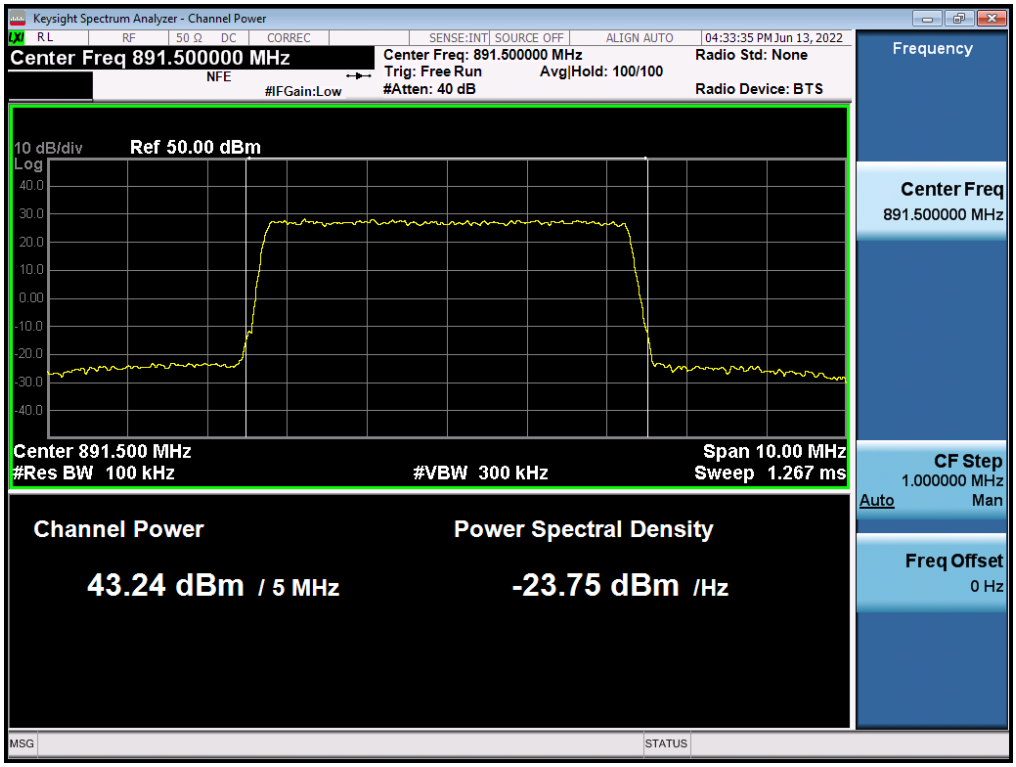
Antenna 2 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / High



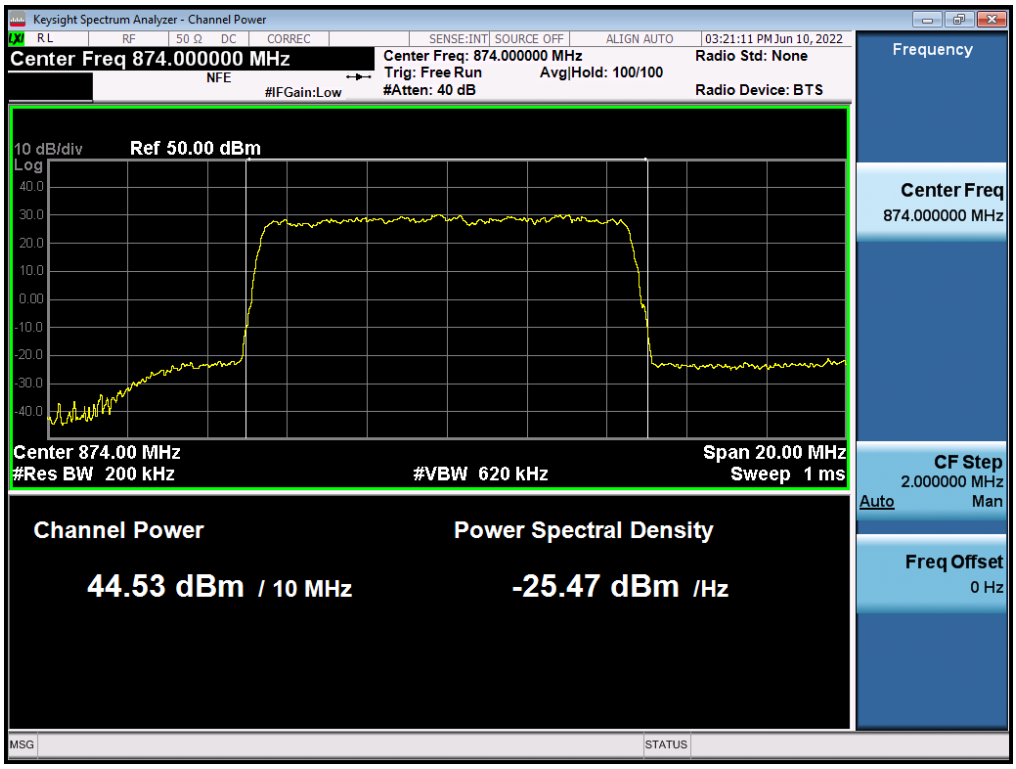
Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 64QAM / Low



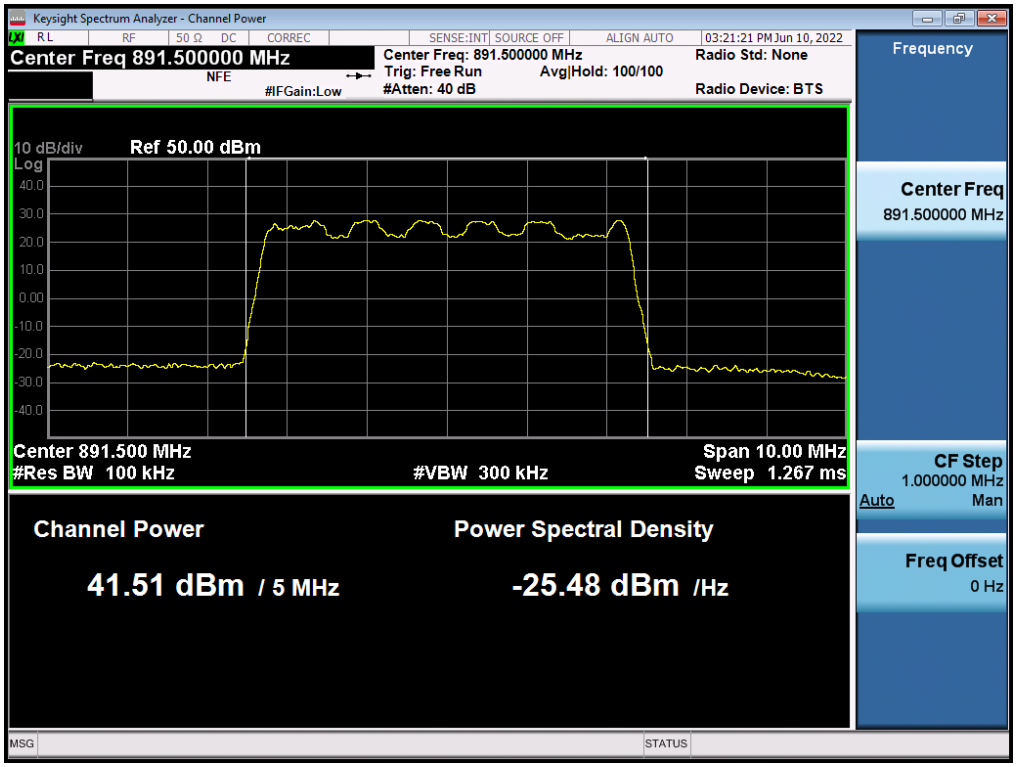
Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 64QAM / High



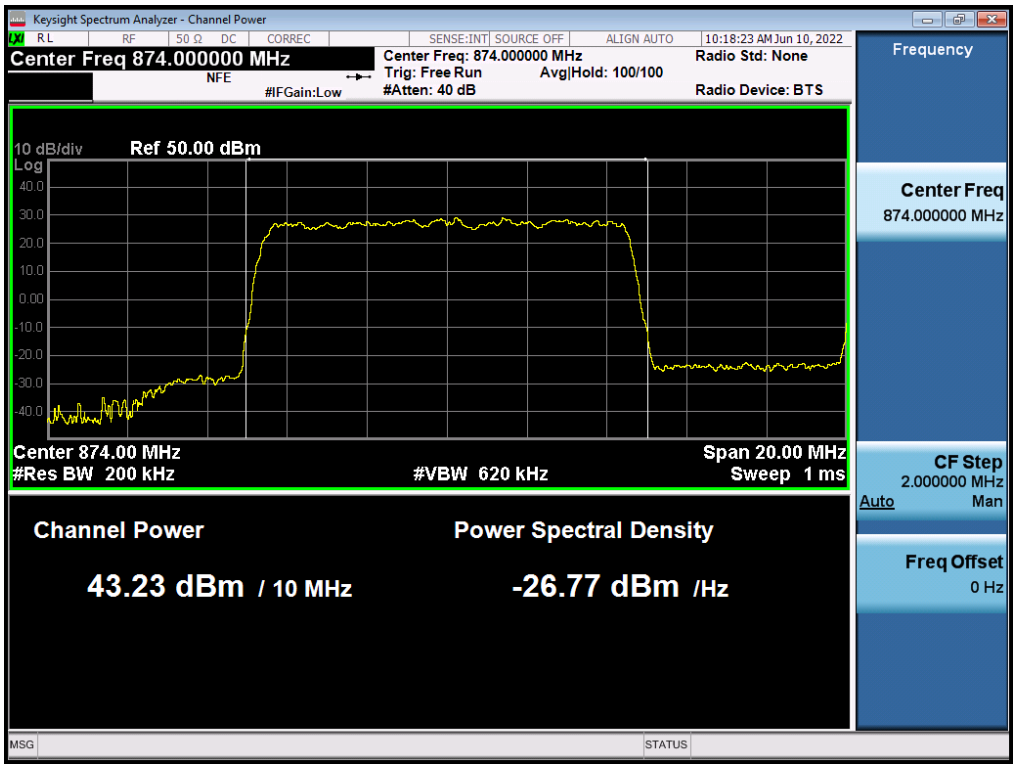
Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



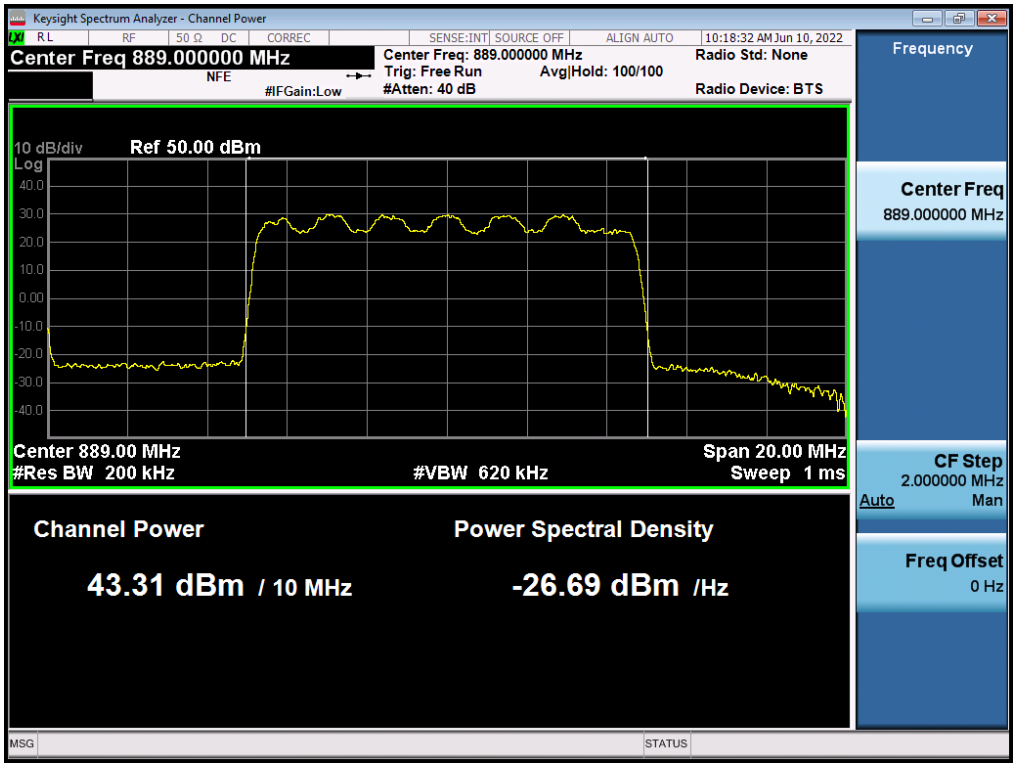
Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High



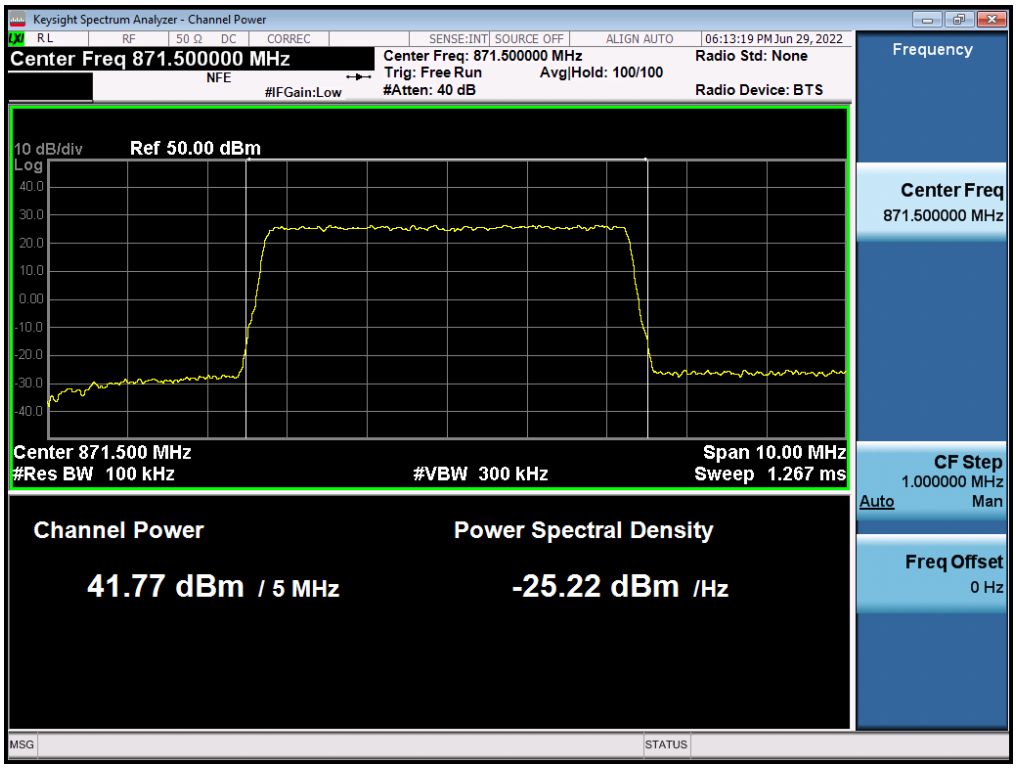
Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low



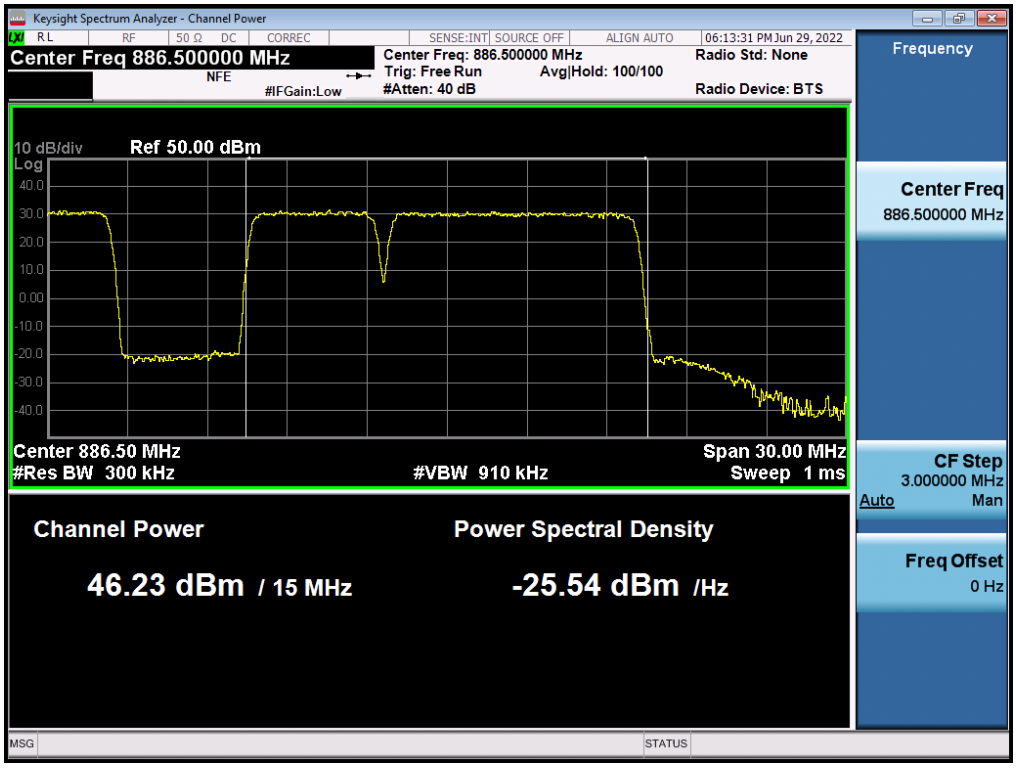
Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High



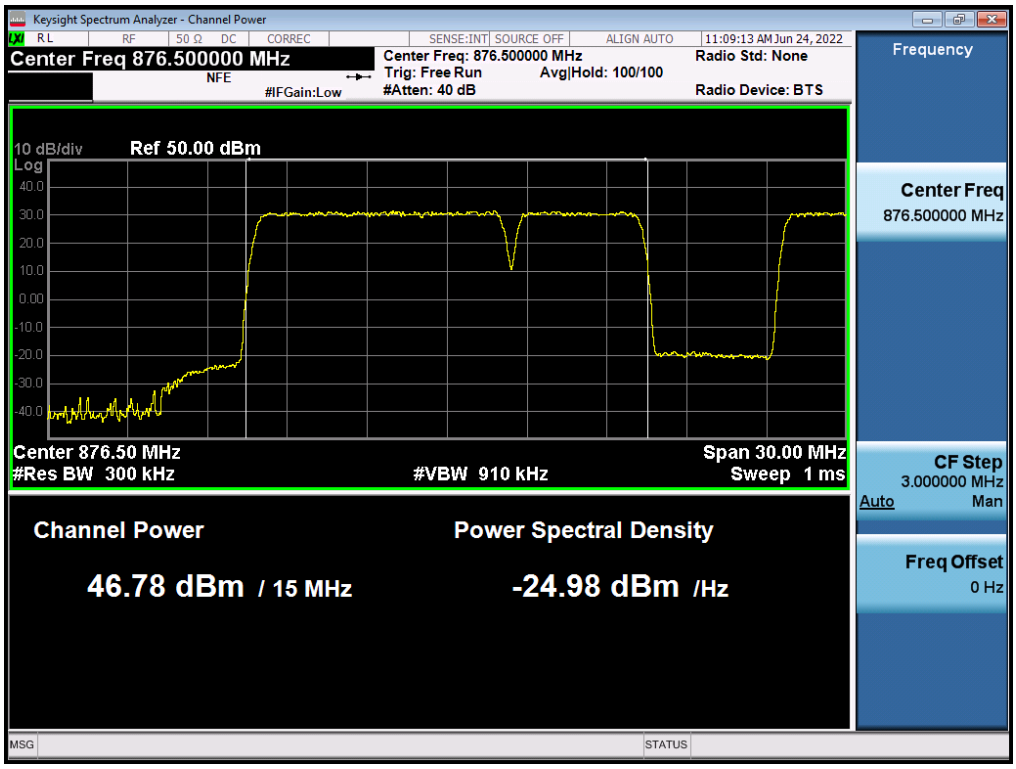
Antenna 0 / (2 Port)B5 LTE B5 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / B5 DSS 10 MHz / QPSK / Low



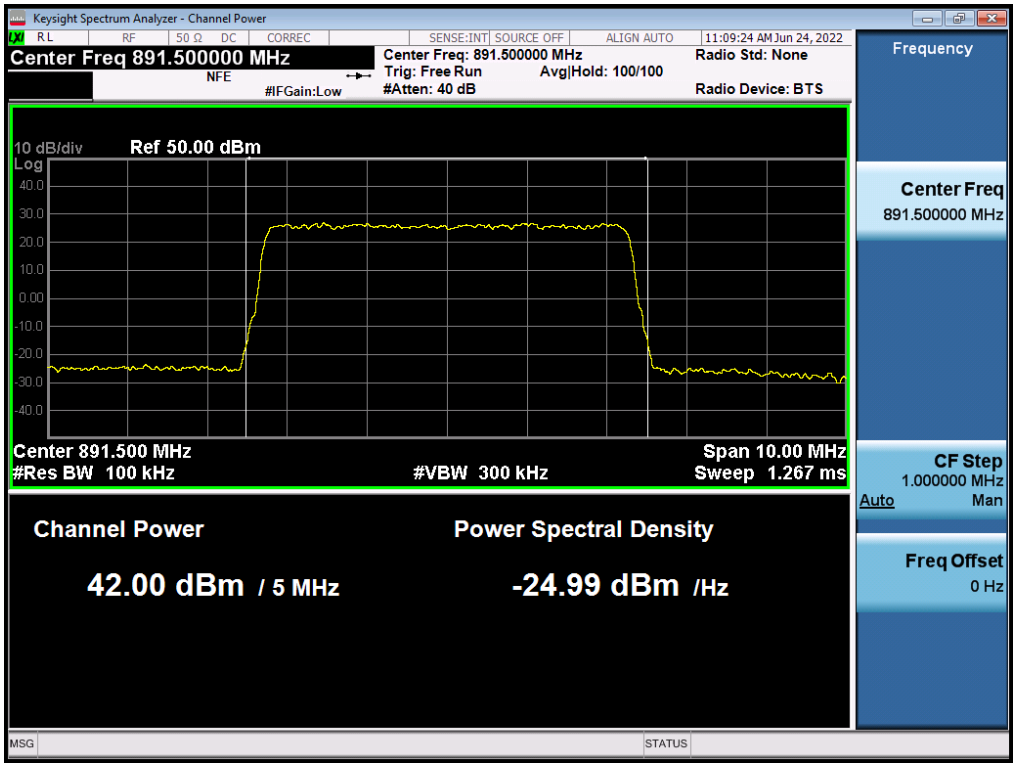
Antenna 0 / (2 Port)B5 LTE B5 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / 5G NR n5 5 MHz + LTE B5 5 MHz / QPSK / High



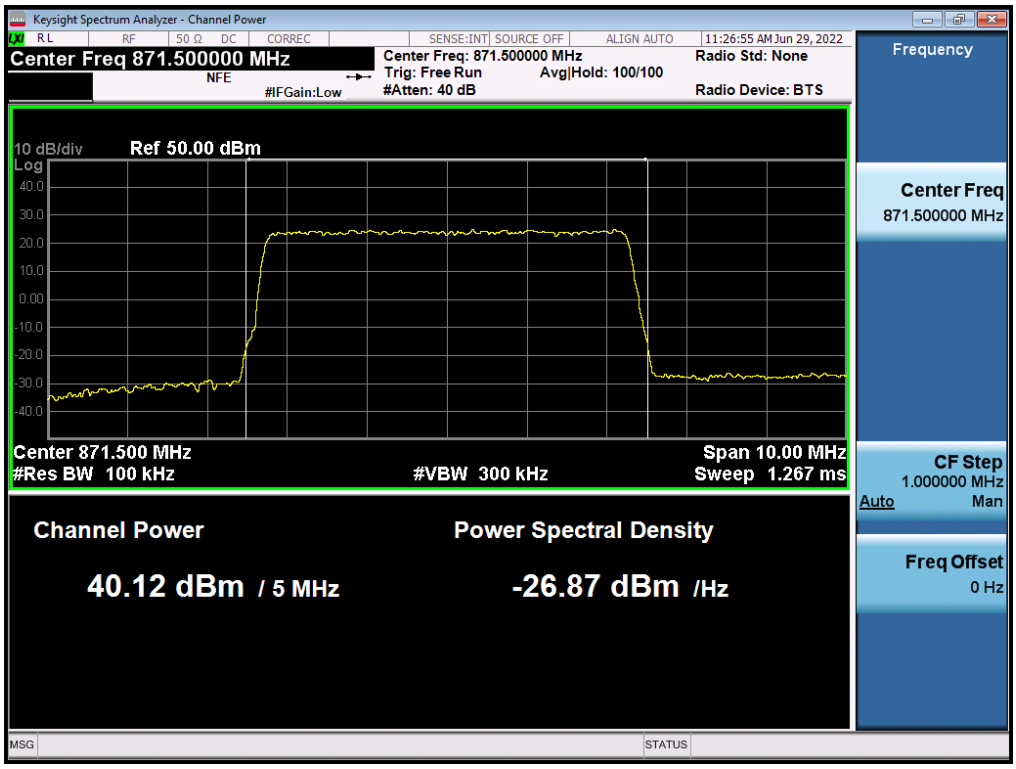
Antenna 1 / (2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / B5 DSS 10 MHz + 5G NR n5 5 MHz / 256QAM / Low



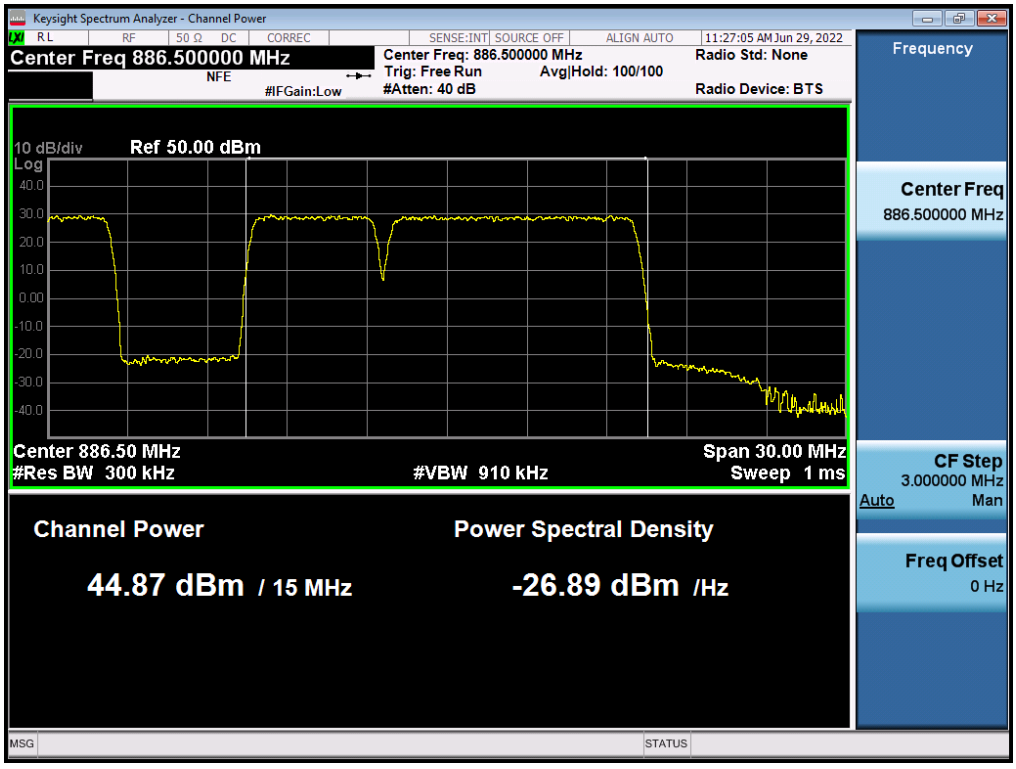
Antenna 1 / (2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / LTE B5 5 MHz / 256QAM / High



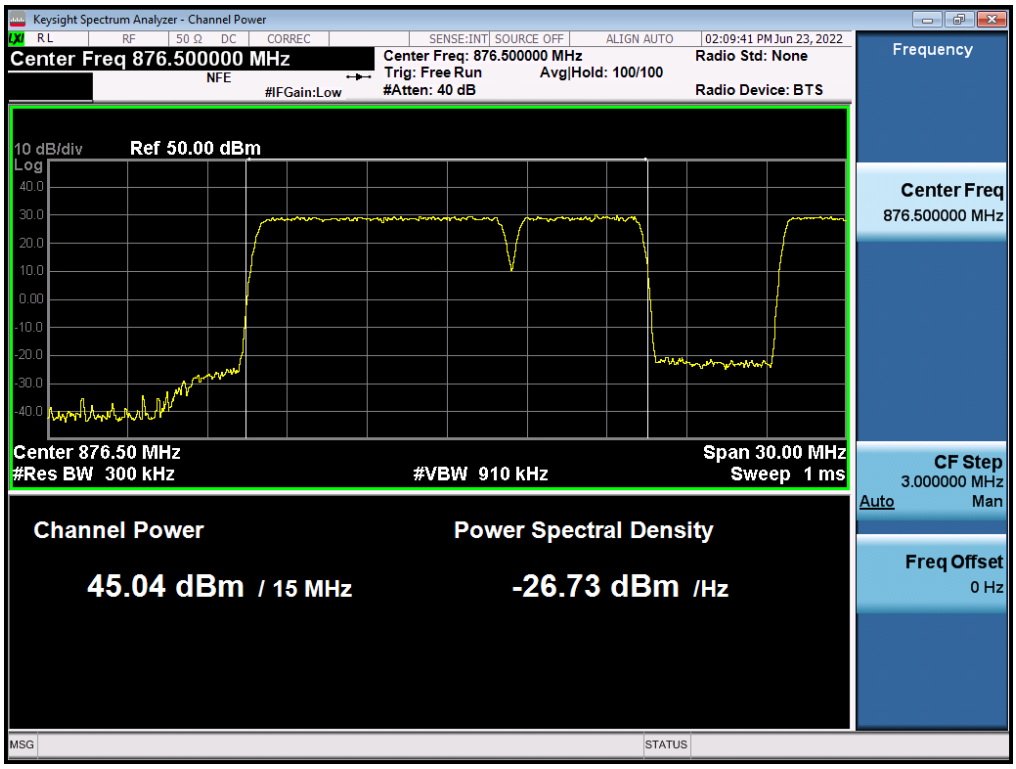
Antenna 1 / (4 Port)B5 LTE 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / B5 DSS 10 MHz / QPSK / Low



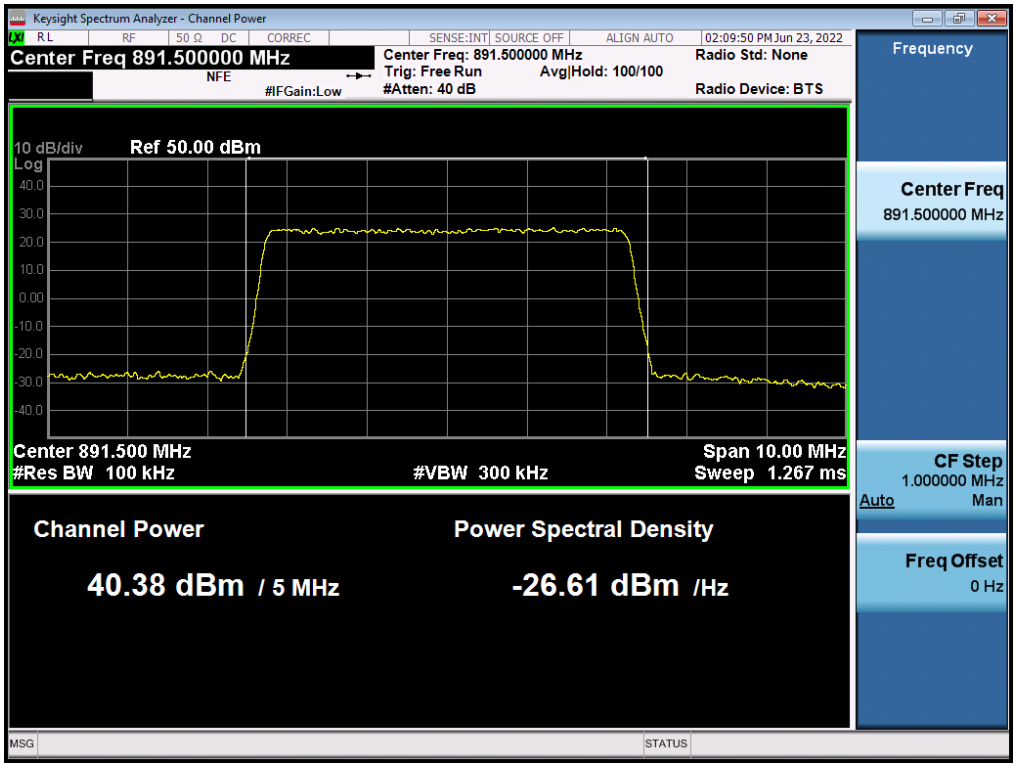
Antenna 1 / (4 Port)B5 LTE 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / 5G NR n5 5 MHz + LTE B5 5 MHz / QPSK / High



Antenna 1 / (4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / B5 DSS 10 MHz + 5G NR n5 5 MHz / 256QAM / Low



Antenna 1 / (4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / LTE B5 5 MHz / 256QAM / High



Tabular Data of PSD

(2 Port)5G NR n5 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	871.50	40.54	11.32
		Middle	881.50	40.56	11.38
		High	891.50	40.55	11.34
	16QAM	Low	871.50	40.82	12.09
		Middle	881.50	40.73	11.84
		High	891.50	40.74	11.86
	64QAM	Low	871.50	40.54	11.31
		Middle	881.50	40.54	11.33
		High	891.50	40.59	11.46
	256QAM	Low	871.50	40.62	11.52
		Middle	881.50	40.60	11.47
		High	891.50	40.41	10.98
1	QPSK	Low	871.50	40.67	11.66
		Middle	881.50	40.54	11.33
		High	891.50	40.79	12.01
	16QAM	Low	871.50	41.04	12.72
		Middle	881.50	40.89	12.27
		High	891.50	41.02	12.65
	64QAM	Low	871.50	40.76	11.91
		Middle	881.50	40.58	11.43
		High	891.50	40.60	11.48
	256QAM	Low	871.50	40.82	12.07
		Middle	881.50	40.71	11.79
		High	891.50	40.75	11.89

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
871.50	22.98	24.81	23.22	23.60
881.50	22.70	24.10	22.76	23.26
891.50	23.35	24.51	22.93	22.87

(2 Port)5G NR n5 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	874.00	39.39	8.69
		Middle	881.50	39.17	8.27
		High	889.00	39.17	8.26
	16QAM	Low	874.00	39.92	9.83
		Middle	881.50	40.16	10.38
		High	889.00	39.91	9.79
	64QAM	Low	874.00	39.29	8.48
		Middle	881.50	39.12	8.16
		High	889.00	39.13	8.19
	256QAM	Low	874.00	39.18	8.28
		Middle	881.50	39.08	8.10
		High	889.00	39.07	8.08
1	QPSK	Low	874.00	39.30	8.50
		Middle	881.50	39.43	8.77
		High	889.00	39.20	8.31
	16QAM	Low	874.00	40.17	10.40
		Middle	881.50	40.28	10.68
		High	889.00	39.93	9.84
	64QAM	Low	874.00	39.46	8.84
		Middle	881.50	39.37	8.64
		High	889.00	39.45	8.80
	256QAM	Low	874.00	39.30	8.52
		Middle	881.50	39.42	8.75
		High	889.00	39.41	8.74

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00	17.19	20.23	17.32	16.80
881.50	17.04	21.05	16.80	16.85
889.00	16.57	19.64	16.99	16.81

(4 Port)5G NR n5 5 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	871.50	37.79	6.02
		Middle	881.50	37.89	6.16
		High	891.50	37.81	6.04
	16QAM	Low	871.50	38.05	6.38
		Middle	881.50	38.00	6.31
		High	891.50	37.98	6.29
	64QAM	Low	871.50	37.73	5.93
		Middle	881.50	37.92	6.19
		High	891.50	37.88	6.14
	256QAM	Low	871.50	37.68	5.87
		Middle	881.50	37.79	6.01
		High	891.50	37.71	5.90
1	QPSK	Low	871.50	37.81	6.05
		Middle	881.50	38.14	6.51
		High	891.50	37.64	5.80
	16QAM	Low	871.50	38.33	6.82
		Middle	881.50	37.92	6.19
		High	891.50	37.94	6.22
	64QAM	Low	871.50	37.65	5.83
		Middle	881.50	37.79	6.01
		High	891.50	38.20	6.60
	256QAM	Low	871.50	37.75	5.96
		Middle	881.50	37.83	6.07
		High	891.50	37.71	5.90

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	871.50	37.60	5.76
		Middle	881.50	37.96	6.25
		High	891.50	37.93	6.21
	16QAM	Low	871.50	38.18	6.58
		Middle	881.50	38.08	6.43
		High	891.50	38.02	6.34
	64QAM	Low	871.50	37.81	6.04
		Middle	881.50	37.78	6.00
		High	891.50	37.66	5.84
	256QAM	Low	871.50	37.69	5.88
		Middle	881.50	37.68	5.86
		High	891.50	37.90	6.16
3	QPSK	Low	871.50	37.93	6.21
		Middle	881.50	37.81	6.03
		High	891.50	38.06	6.40
	16QAM	Low	871.50	38.19	6.59
		Middle	881.50	38.01	6.32
		High	891.50	37.96	6.25
	64QAM	Low	871.50	38.10	6.45
		Middle	881.50	37.85	6.10
		High	891.50	38.04	6.37
	256QAM	Low	871.50	37.90	6.17
		Middle	881.50	37.78	6.00
		High	891.50	37.68	5.86

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
871.50	24.03	26.37	24.25	23.87
881.50	24.94	25.26	24.30	23.93
891.50	24.46	25.10	24.95	23.82

(4 Port)5G NR n5 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	874.00	37.62	5.78
		Middle	881.50	37.50	5.62
		High	889.00	37.43	5.54
	16QAM	Low	874.00	38.36	6.85
		Middle	881.50	38.53	7.13
		High	889.00	38.35	6.84
	64QAM	Low	874.00	37.85	6.10
		Middle	881.50	37.76	5.97
		High	889.00	37.63	5.79
	256QAM	Low	874.00	37.84	6.08
		Middle	881.50	37.66	5.83
		High	889.00	37.65	5.82
1	QPSK	Low	874.00	37.72	5.91
		Middle	881.50	37.59	5.75
		High	889.00	37.49	5.61
	16QAM	Low	874.00	38.40	6.92
		Middle	881.50	38.27	6.72
		High	889.00	38.25	6.68
	64QAM	Low	874.00	37.82	6.06
		Middle	881.50	37.75	5.96
		High	889.00	37.65	5.81
	256QAM	Low	874.00	37.70	5.88
		Middle	881.50	37.73	5.93
		High	889.00	37.69	5.88

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	874.00	37.80	6.03
		Middle	881.50	37.75	5.96
		High	889.00	37.63	5.79
	16QAM	Low	874.00	38.45	7.00
		Middle	881.50	38.55	7.16
		High	889.00	38.34	6.82
	64QAM	Low	874.00	37.84	6.08
		Middle	881.50	37.57	5.71
		High	889.00	37.69	5.87
	256QAM	Low	874.00	37.68	5.86
		Middle	881.50	37.69	5.87
		High	889.00	37.88	6.14
3	QPSK	Low	874.00	37.65	5.82
		Middle	881.50	37.59	5.74
		High	889.00	37.63	5.79
	16QAM	Low	874.00	38.59	7.23
		Middle	881.50	38.32	6.80
		High	889.00	38.32	6.80
	64QAM	Low	874.00	37.83	6.06
		Middle	881.50	37.81	6.04
		High	889.00	37.58	5.73
	256QAM	Low	874.00	37.61	5.76
		Middle	881.50	37.58	5.73
		High	889.00	37.60	5.75

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00	23.54	28.01	24.30	23.59
881.50	23.07	27.81	23.68	23.36
889.00	22.73	27.14	23.20	23.60

Tabular Data of Contiguous PSD

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	874.00	39.61	9.13
		Middle	881.50	39.81	9.57
		High	889.00	39.18	8.27
	16QAM	Low	874.00	39.45	8.80
		Middle	881.50	39.64	9.21
		High	889.00	39.54	9.00
	64QAM	Low	874.00	39.44	8.79
		Middle	881.50	39.28	8.48
		High	889.00	39.49	8.88
	256QAM	Low	874.00	39.62	9.16
		Middle	881.50	39.43	8.76
		High	889.00	39.44	8.80
1	QPSK	Low	874.00	39.58	9.08
		Middle	881.50	39.55	9.02
		High	889.00	39.64	9.20
	16QAM	Low	874.00	39.55	9.02
		Middle	881.50	39.60	9.13
		High	889.00	39.93	9.83
	64QAM	Low	874.00	39.40	8.71
		Middle	881.50	39.62	9.15
		High	889.00	39.49	8.90
	256QAM	Low	874.00	39.51	8.93
		Middle	881.50	39.53	8.98
		High	889.00	39.49	8.88

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00	18.21	17.82	17.50	18.09
881.50	18.59	18.33	17.63	17.75
889.00	17.47	18.83	17.78	17.68

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	879.00	36.42	4.38
		Middle	881.50	36.47	4.44
		High	884.00	36.22	4.19
	16QAM	Low	879.00	36.90	4.90
		Middle	881.50	37.07	5.09
		High	884.00	37.51	5.63
	64QAM	Low	879.00	36.59	4.56
		Middle	881.50	36.36	4.33
		High	884.00	36.36	4.32
	256QAM	Low	879.00	36.51	4.48
		Middle	881.50	36.16	4.13
		High	884.00	36.30	4.27
1	QPSK	Low	879.00	36.40	4.37
		Middle	881.50	36.38	4.35
		High	884.00	36.27	4.24
	16QAM	Low	879.00	37.02	5.04
		Middle	881.50	37.41	5.51
		High	884.00	37.25	5.30
	64QAM	Low	879.00	36.47	4.44
		Middle	881.50	36.46	4.43
		High	884.00	36.52	4.49
	256QAM	Low	879.00	36.27	4.23
		Middle	881.50	36.36	4.32
		High	884.00	36.37	4.34

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
879.00	8.75	9.94	8.99	8.71
881.50	8.78	10.60	8.76	8.46
884.00	8.43	10.93	8.81	8.60

(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	879.00	36.51	4.48
		Middle	881.50	36.50	4.47
		High	884.00	36.35	4.31
	16QAM	Low	879.00	36.63	4.61
		Middle	881.50	37.02	5.04
		High	884.00	36.62	4.59
	64QAM	Low	879.00	36.44	4.41
		Middle	881.50	36.34	4.30
		High	884.00	36.57	4.54
	256QAM	Low	879.00	36.44	4.41
		Middle	881.50	36.46	4.43
		High	884.00	36.43	4.40
1	QPSK	Low	879.00	36.52	4.49
		Middle	881.50	36.36	4.33
		High	884.00	36.43	4.40
	16QAM	Low	879.00	36.86	4.85
		Middle	881.50	36.74	4.72
		High	884.00	36.89	4.89
	64QAM	Low	879.00	36.53	4.50
		Middle	881.50	36.53	4.50
		High	884.00	36.39	4.35
	256QAM	Low	879.00	36.44	4.41
		Middle	881.50	36.49	4.45
		High	884.00	36.58	4.56

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
879.00	8.96	9.46	8.90	8.81
881.50	8.79	9.75	8.80	8.88
884.00	8.71	9.48	8.90	8.95

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	874.00	39.21	8.34
		Middle	881.50	39.32	8.54
		High	889.00	39.57	9.07
	16QAM	Low	874.00	39.96	9.90
		Middle	881.50	39.78	9.50
		High	889.00	39.43	8.78
	64QAM	Low	874.00	39.33	8.58
		Middle	881.50	39.60	9.12
		High	889.00	39.32	8.55
	256QAM	Low	874.00	39.41	8.73
		Middle	881.50	39.29	8.49
		High	889.00	39.35	8.61
1	QPSK	Low	874.00	39.54	8.99
		Middle	881.50	39.56	9.03
		High	889.00	39.37	8.65
	16QAM	Low	874.00	39.79	9.53
		Middle	881.50	39.57	9.05
		High	889.00	39.71	9.35
	64QAM	Low	874.00	39.43	8.77
		Middle	881.50	39.50	8.91
		High	889.00	39.43	8.77
	256QAM	Low	874.00	39.59	9.10
		Middle	881.50	39.37	8.66
		High	889.00	39.62	9.15

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00	17.34	19.44	17.35	17.82
881.50	17.58	18.55	18.03	17.15
889.00	17.71	18.12	17.32	17.76

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	876.50	37.59	5.75
		Middle	881.50	37.44	5.55
		High	886.50	37.45	5.56
	16QAM	Low	876.50	37.86	6.11
		Middle	881.50	37.82	6.05
		High	886.50	37.65	5.82
	64QAM	Low	876.50	37.69	5.87
		Middle	881.50	37.40	5.50
		High	886.50	37.61	5.77
	256QAM	Low	876.50	37.75	5.96
		Middle	881.50	37.50	5.63
		High	886.50	37.51	5.64
1	QPSK	Low	876.50	37.69	5.87
		Middle	881.50	37.48	5.60
		High	886.50	37.54	5.68
	16QAM	Low	876.50	37.94	6.22
		Middle	881.50	37.94	6.22
		High	886.50	37.74	5.94
	64QAM	Low	876.50	37.73	5.93
		Middle	881.50	37.67	5.85
		High	886.50	37.60	5.75
	256QAM	Low	876.50	37.54	5.68
		Middle	881.50	37.54	5.68
		High	886.50	37.73	5.93

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
876.50	11.62	12.33	11.80	11.63
881.50	11.15	12.27	11.34	11.31
886.50	11.24	11.76	11.52	11.57

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	879.00	36.37	4.33
		Middle	881.50	36.47	4.44
		High	884.00	36.25	4.22
	16QAM	Low	879.00	36.97	4.97
		Middle	881.50	36.80	4.79
		High	884.00	36.84	4.83
	64QAM	Low	879.00	36.48	4.44
		Middle	881.50	36.44	4.41
		High	884.00	36.34	4.30
	256QAM	Low	879.00	36.18	4.15
		Middle	881.50	36.45	4.41
		High	884.00	36.40	4.36
1	QPSK	Low	879.00	36.37	4.33
		Middle	881.50	36.32	4.28
		High	884.00	36.44	4.40
	16QAM	Low	879.00	37.03	5.04
		Middle	881.50	36.86	4.86
		High	884.00	37.00	5.01
	64QAM	Low	879.00	36.39	4.35
		Middle	881.50	36.48	4.44
		High	884.00	36.44	4.41
	256QAM	Low	879.00	36.37	4.34
		Middle	881.50	36.28	4.25
		High	884.00	36.36	4.33

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
879.00	8.67	10.01	8.80	8.48
881.50	8.72	9.65	8.85	8.66
884.00	8.63	9.84	8.71	8.69

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	874.00	37.90	6.17
		Middle	881.50	37.77	5.98
		High	889.00	37.60	5.75
	16QAM	Low	874.00	38.03	6.36
		Middle	881.50	38.05	6.39
		High	889.00	37.75	5.95
	64QAM	Low	874.00	37.69	5.88
		Middle	881.50	37.61	5.77
		High	889.00	37.85	6.10
	256QAM	Low	874.00	37.78	6.00
		Middle	881.50	38.03	6.35
		High	889.00	37.92	6.19
1	QPSK	Low	874.00	38.00	6.30
		Middle	881.50	38.25	6.68
		High	889.00	37.72	5.92
	16QAM	Low	874.00	38.06	6.40
		Middle	881.50	38.23	6.65
		High	889.00	38.07	6.41
	64QAM	Low	874.00	37.77	5.98
		Middle	881.50	37.83	6.07
		High	889.00	37.76	5.97
	256QAM	Low	874.00	37.79	6.01
		Middle	881.50	38.05	6.38
		High	889.00	37.91	6.17

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	874.00	37.69	5.87
		Middle	881.50	37.80	6.03
		High	889.00	37.85	6.09
	16QAM	Low	874.00	37.90	6.16
		Middle	881.50	37.86	6.11
		High	889.00	37.86	6.10
	64QAM	Low	874.00	37.89	6.16
		Middle	881.50	37.98	6.28
		High	889.00	37.86	6.11
	256QAM	Low	874.00	37.82	6.05
		Middle	881.50	37.77	5.98
		High	889.00	37.80	6.03
3	QPSK	Low	874.00	37.82	6.05
		Middle	881.50	37.72	5.91
		High	889.00	37.88	6.14
	16QAM	Low	874.00	38.40	6.92
		Middle	881.50	37.72	5.91
		High	889.00	37.87	6.12
	64QAM	Low	874.00	38.05	6.38
		Middle	881.50	37.75	5.96
		High	889.00	37.84	6.08
	256QAM	Low	874.00	37.86	6.10
		Middle	881.50	37.76	5.96
		High	889.00	37.74	5.94

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00	24.40	25.85	24.40	24.16
881.50	24.60	25.06	24.08	24.68
889.00	23.90	24.59	24.25	24.34

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	879.00	34.54	2.84
		Middle	881.50	34.77	3.00
		High	884.00	34.50	2.82
	16QAM	Low	879.00	35.18	3.29
		Middle	881.50	35.21	3.32
		High	884.00	35.17	3.29
	64QAM	Low	879.00	34.87	3.07
		Middle	881.50	34.82	3.03
		High	884.00	34.70	2.95
	256QAM	Low	879.00	34.73	2.97
		Middle	881.50	34.64	2.91
		High	884.00	34.42	2.76
1	QPSK	Low	879.00	34.92	3.11
		Middle	881.50	34.53	2.84
		High	884.00	34.63	2.90
	16QAM	Low	879.00	35.29	3.38
		Middle	881.50	35.21	3.32
		High	884.00	35.51	3.56
	64QAM	Low	879.00	34.63	2.90
		Middle	881.50	34.79	3.02
		High	884.00	34.68	2.94
	256QAM	Low	879.00	34.75	2.99
		Middle	881.50	34.60	2.89
		High	884.00	34.59	2.88

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	879.00	34.70	2.95
		Middle	881.50	34.36	2.73
		High	884.00	34.51	2.83
	16QAM	Low	879.00	35.16	3.28
		Middle	881.50	35.45	3.51
		High	884.00	35.26	3.35
	64QAM	Low	879.00	34.65	2.92
		Middle	881.50	34.48	2.80
		High	884.00	34.47	2.80
	256QAM	Low	879.00	34.68	2.94
		Middle	881.50	34.37	2.73
		High	884.00	34.46	2.79
3	QPSK	Low	879.00	34.71	2.96
		Middle	881.50	34.54	2.84
		High	884.00	34.66	2.93
	16QAM	Low	879.00	35.37	3.45
		Middle	881.50	35.39	3.46
		High	884.00	35.42	3.48
	64QAM	Low	879.00	34.48	2.80
		Middle	881.50	34.53	2.84
		High	884.00	34.61	2.89
	256QAM	Low	879.00	34.69	2.95
		Middle	881.50	34.80	3.02
		High	884.00	34.92	3.10

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
879.00	11.86	13.40	11.69	11.84
881.50	11.41	13.62	11.69	11.55
884.00	11.47	13.68	11.58	11.54

(4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	879.00	34.38	2.74
		Middle	881.50	34.55	2.85
		High	884.00	34.54	2.85
	16QAM	Low	879.00	34.81	3.03
		Middle	881.50	35.09	3.23
		High	884.00	34.94	3.12
	64QAM	Low	879.00	34.21	2.64
		Middle	881.50	34.80	3.02
		High	884.00	34.62	2.90
	256QAM	Low	879.00	34.47	2.80
		Middle	881.50	34.50	2.82
		High	884.00	34.63	2.90
1	QPSK	Low	879.00	34.49	2.81
		Middle	881.50	34.59	2.88
		High	884.00	34.70	2.95
	16QAM	Low	879.00	34.87	3.07
		Middle	881.50	34.72	2.96
		High	884.00	34.92	3.10
	64QAM	Low	879.00	34.00	2.51
		Middle	881.50	34.54	2.84
		High	884.00	34.75	2.98
	256QAM	Low	879.00	34.02	2.52
		Middle	881.50	34.72	2.96
		High	884.00	34.64	2.91

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	879.00	34.60	2.88
		Middle	881.50	34.60	2.88
		High	884.00	34.84	3.05
	16QAM	Low	879.00	34.80	3.02
		Middle	881.50	34.94	3.12
		High	884.00	35.24	3.35
	64QAM	Low	879.00	34.37	2.73
		Middle	881.50	34.79	3.01
		High	884.00	34.69	2.94
	256QAM	Low	879.00	34.55	2.85
		Middle	881.50	34.74	2.98
		High	884.00	35.01	3.17
3	QPSK	Low	879.00	34.29	2.68
		Middle	881.50	34.80	3.02
		High	884.00	34.64	2.91
	16QAM	Low	879.00	34.64	2.91
		Middle	881.50	34.98	3.15
		High	884.00	35.02	3.18
	64QAM	Low	879.00	34.42	2.77
		Middle	881.50	34.76	2.99
		High	884.00	34.97	3.14
	256QAM	Low	879.00	34.40	2.75
		Middle	881.50	34.67	2.93
		High	884.00	34.77	3.00

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
879.00	11.12	12.03	10.65	10.93
881.50	11.63	12.46	11.87	11.69
884.00	11.76	12.74	11.96	11.98

(4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	874.00	37.58	5.73
		Middle	881.50	37.63	5.79
		High	889.00	37.48	5.60
	16QAM	Low	874.00	38.00	6.31
		Middle	881.50	37.96	6.26
		High	889.00	37.82	6.05
	64QAM	Low	874.00	37.42	5.52
		Middle	881.50	37.51	5.64
		High	889.00	37.42	5.52
	256QAM	Low	874.00	37.77	5.98
		Middle	881.50	37.40	5.50
		High	889.00	37.58	5.73
1	QPSK	Low	874.00	37.70	5.89
		Middle	881.50	37.64	5.81
		High	889.00	37.52	5.65
	16QAM	Low	874.00	37.91	6.18
		Middle	881.50	37.70	5.89
		High	889.00	37.80	6.02
	64QAM	Low	874.00	37.58	5.73
		Middle	881.50	37.57	5.72
		High	889.00	37.59	5.75
	256QAM	Low	874.00	37.79	6.02
		Middle	881.50	37.80	6.03
		High	889.00	37.59	5.74

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	874.00	37.57	5.72
		Middle	881.50	37.71	5.91
		High	889.00	37.44	5.55
	16QAM	Low	874.00	37.92	6.19
		Middle	881.50	37.91	6.17
		High	889.00	38.42	6.96
	64QAM	Low	874.00	37.60	5.76
		Middle	881.50	37.76	5.97
		High	889.00	37.58	5.73
	256QAM	Low	874.00	37.45	5.55
		Middle	881.50	37.73	5.93
		High	889.00	37.56	5.71
3	QPSK	Low	874.00	37.77	5.99
		Middle	881.50	37.76	5.97
		High	889.00	37.55	5.69
	16QAM	Low	874.00	38.01	6.33
		Middle	881.50	38.05	6.39
		High	889.00	38.20	6.61
	64QAM	Low	874.00	37.67	5.85
		Middle	881.50	37.89	6.15
		High	889.00	37.72	5.92
	256QAM	Low	874.00	37.57	5.71
		Middle	881.50	37.81	6.03
		High	889.00	37.50	5.62

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00	23.33	25.01	22.86	23.26
881.50	23.48	24.71	23.48	23.49
889.00	22.49	25.63	22.92	22.80

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	876.50	35.83	3.82
		Middle	881.50	35.67	3.69
		High	886.50	35.50	3.55
	16QAM	Low	876.50	36.06	4.03
		Middle	881.50	35.90	3.89
		High	886.50	35.94	3.93
	64QAM	Low	876.50	35.76	3.77
		Middle	881.50	35.65	3.68
		High	886.50	35.89	3.89
	256QAM	Low	876.50	36.00	3.98
		Middle	881.50	35.70	3.71
		High	886.50	35.63	3.65
1	QPSK	Low	876.50	35.81	3.81
		Middle	881.50	35.72	3.74
		High	886.50	35.63	3.66
	16QAM	Low	876.50	36.22	4.19
		Middle	881.50	36.11	4.08
		High	886.50	35.90	3.89
	64QAM	Low	876.50	36.01	3.99
		Middle	881.50	35.73	3.74
		High	886.50	35.70	3.71
	256QAM	Low	876.50	36.14	4.11
		Middle	881.50	35.73	3.74
		High	886.50	35.68	3.70

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	876.50	35.73	3.74
		Middle	881.50	35.92	3.91
		High	886.50	35.83	3.82
	16QAM	Low	876.50	36.10	4.07
		Middle	881.50	35.96	3.94
		High	886.50	35.92	3.91
	64QAM	Low	876.50	35.85	3.85
		Middle	881.50	35.76	3.76
		High	886.50	36.00	3.98
	256QAM	Low	876.50	36.04	4.02
		Middle	881.50	35.86	3.85
		High	886.50	35.64	3.67
3	QPSK	Low	876.50	36.15	4.12
		Middle	881.50	36.11	4.09
		High	886.50	35.67	3.69
	16QAM	Low	876.50	36.13	4.10
		Middle	881.50	36.16	4.13
		High	886.50	36.19	4.16
	64QAM	Low	876.50	36.03	4.01
		Middle	881.50	35.72	3.73
		High	886.50	35.95	3.94
	256QAM	Low	876.50	35.98	3.96
		Middle	881.50	35.77	3.77
		High	886.50	36.03	4.01

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
876.50	15.50	16.40	15.62	16.07
881.50	15.42	16.05	14.91	15.08
886.50	14.72	15.88	15.51	15.03

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	879.00	34.36	2.73
		Middle	881.50	34.58	2.87
		High	884.00	34.53	2.84
	16QAM	Low	879.00	35.11	3.24
		Middle	881.50	35.02	3.18
		High	884.00	35.64	3.67
	64QAM	Low	879.00	34.40	2.75
		Middle	881.50	34.40	2.75
		High	884.00	34.48	2.80
	256QAM	Low	879.00	34.77	3.00
		Middle	881.50	34.88	3.08
		High	884.00	34.46	2.79
1	QPSK	Low	879.00	34.46	2.79
		Middle	881.50	34.50	2.82
		High	884.00	34.64	2.91
	16QAM	Low	879.00	34.98	3.15
		Middle	881.50	35.63	3.66
		High	884.00	35.19	3.30
	64QAM	Low	879.00	34.46	2.79
		Middle	881.50	34.78	3.00
		High	884.00	34.84	3.05
	256QAM	Low	879.00	34.68	2.94
		Middle	881.50	34.53	2.84
		High	884.00	34.86	3.06

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	879.00	34.45	2.79
		Middle	881.50	34.54	2.84
		High	884.00	34.61	2.89
	16QAM	Low	879.00	35.42	3.48
		Middle	881.50	35.34	3.42
		High	884.00	35.18	3.30
	64QAM	Low	879.00	34.61	2.89
		Middle	881.50	34.49	2.81
		High	884.00	34.50	2.82
	256QAM	Low	879.00	34.49	2.81
		Middle	881.50	34.61	2.89
		High	884.00	34.57	2.86
3	QPSK	Low	879.00	34.60	2.89
		Middle	881.50	34.53	2.83
		High	884.00	34.47	2.80
	16QAM	Low	879.00	35.55	3.59
		Middle	881.50	35.31	3.40
		High	884.00	35.63	3.65
	64QAM	Low	879.00	34.66	2.93
		Middle	881.50	34.53	2.84
		High	884.00	34.83	3.04
	256QAM	Low	879.00	34.80	3.02
		Middle	881.50	34.51	2.82
		High	884.00	34.45	2.79

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
879.00	11.19	13.46	11.37	11.76
881.50	11.37	13.65	11.41	11.63
884.00	11.44	13.92	11.71	11.51

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Middle	881.50	35.51	3.56
	16QAM	Middle	881.50	35.94	3.92
	64QAM	Middle	881.50	35.38	3.45
	256QAM	Middle	881.50	35.41	3.48
1	QPSK	Middle	881.50	35.30	3.39
	16QAM	Middle	881.50	36.06	4.04
	64QAM	Middle	881.50	35.54	3.58
	256QAM	Middle	881.50	35.38	3.45

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
881.50	6.95	7.96	7.03	6.93

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	879.00	36.34	4.31
		Middle	881.50	36.39	4.36
		High	884.00	36.23	4.20
	16QAM	Low	879.00	36.65	4.63
		Middle	881.50	36.54	4.51
		High	884.00	36.59	4.56
	64QAM	Low	879.00	36.50	4.47
		Middle	881.50	36.35	4.32
		High	884.00	36.27	4.24
	256QAM	Low	879.00	36.27	4.24
		Middle	881.50	36.42	4.38
		High	884.00	36.24	4.20
1	QPSK	Low	879.00	36.56	4.53
		Middle	881.50	36.31	4.28
		High	884.00	36.26	4.23
	16QAM	Low	879.00	36.72	4.70
		Middle	881.50	36.58	4.55
		High	884.00	36.52	4.49
	64QAM	Low	879.00	36.74	4.72
		Middle	881.50	36.61	4.58
		High	884.00	36.19	4.16
	256QAM	Low	879.00	36.59	4.56
		Middle	881.50	36.24	4.20
		High	884.00	36.30	4.27

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
879.00	8.83	9.33	9.19	8.80
881.50	8.63	9.06	8.90	8.58
884.00	8.42	9.04	8.39	8.47

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Middle	881.50	35.28	3.37
	16QAM	Middle	881.50	35.98	3.97
	64QAM	Middle	881.50	35.56	3.60
	256QAM	Middle	881.50	35.35	3.43
1	QPSK	Middle	881.50	35.44	3.50
	16QAM	Middle	881.50	35.99	3.97
	64QAM	Middle	881.50	35.43	3.49
	256QAM	Middle	881.50	35.23	3.33

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
881.50	6.87	7.94	7.09	6.76

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Middle	881.50	33.54	2.26
	16QAM	Middle	881.50	34.13	2.59
	64QAM	Middle	881.50	33.47	2.22
	256QAM	Middle	881.50	33.76	2.38
1	QPSK	Middle	881.50	33.69	2.34
	16QAM	Middle	881.50	34.61	2.89
	64QAM	Middle	881.50	33.60	2.29
	256QAM	Middle	881.50	33.98	2.50
2	QPSK	Middle	881.50	33.48	2.23
	16QAM	Middle	881.50	34.21	2.64
	64QAM	Middle	881.50	33.57	2.27
	256QAM	Middle	881.50	33.76	2.38
3	QPSK	Middle	881.50	33.84	2.42
	16QAM	Middle	881.50	34.51	2.82
	64QAM	Middle	881.50	33.78	2.39
	256QAM	Middle	881.50	33.58	2.28

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
881.50	9.25	10.94	9.18	9.53

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	879.00	34.61	2.89
		Middle	881.50	34.51	2.82
		High	884.00	34.62	2.90
	16QAM	Low	879.00	34.78	3.00
		Middle	881.50	34.78	3.01
		High	884.00	34.80	3.02
	64QAM	Low	879.00	34.62	2.90
		Middle	881.50	34.67	2.93
		High	884.00	34.43	2.78
	256QAM	Low	879.00	34.79	3.02
		Middle	881.50	34.56	2.86
		High	884.00	34.46	2.79
1	QPSK	Low	879.00	34.80	3.02
		Middle	881.50	34.83	3.04
		High	884.00	34.75	2.99
	16QAM	Low	879.00	34.76	2.99
		Middle	881.50	35.00	3.16
		High	884.00	34.91	3.10
	64QAM	Low	879.00	34.59	2.88
		Middle	881.50	34.71	2.96
		High	884.00	34.76	2.99
	256QAM	Low	879.00	34.65	2.91
		Middle	881.50	34.87	3.07
		High	884.00	34.64	2.91

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
2	QPSK	Low	879.00	34.55	2.85
		Middle	881.50	34.78	3.00
		High	884.00	34.73	2.98
	16QAM	Low	879.00	34.71	2.96
		Middle	881.50	34.94	3.12
		High	884.00	35.01	3.17
	64QAM	Low	879.00	34.62	2.90
		Middle	881.50	34.45	2.78
		High	884.00	34.55	2.85
	256QAM	Low	879.00	34.69	2.95
		Middle	881.50	34.71	2.96
		High	884.00	34.42	2.77
3	QPSK	Low	879.00	34.68	2.94
		Middle	881.50	34.59	2.88
		High	884.00	34.65	2.92
	16QAM	Low	879.00	35.28	3.37
		Middle	881.50	35.04	3.19
		High	884.00	35.02	3.18
	64QAM	Low	879.00	34.77	3.00
		Middle	881.50	34.66	2.93
		High	884.00	34.76	2.99
	256QAM	Low	879.00	34.57	2.87
		Middle	881.50	34.59	2.88
		High	884.00	34.68	2.93

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
879.00	11.69	12.33	11.67	11.74
881.50	11.75	12.47	11.60	11.76
884.00	11.78	12.47	11.61	11.41

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Middle	881.50	33.65	2.32
	16QAM	Middle	881.50	33.97	2.49
	64QAM	Middle	881.50	33.68	2.33
	256QAM	Middle	881.50	33.58	2.28
1	QPSK	Middle	881.50	33.61	2.29
	16QAM	Middle	881.50	34.23	2.65
	64QAM	Middle	881.50	33.63	2.31
	256QAM	Middle	881.50	33.85	2.43
2	QPSK	Middle	881.50	33.68	2.33
	16QAM	Middle	881.50	34.21	2.64
	64QAM	Middle	881.50	33.55	2.26
	256QAM	Middle	881.50	33.59	2.28
3	QPSK	Middle	881.50	33.71	2.35
	16QAM	Middle	881.50	34.29	2.68
	64QAM	Middle	881.50	33.80	2.40
	256QAM	Middle	881.50	33.72	2.35

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
881.50	9.29	10.46	9.30	9.34

Tabular Data of Non-Contiguous PSD

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	871.50 + 891.50	39.39	8.70
	16QAM	871.50 + 891.50	39.58	9.07
	64QAM	871.50 + 891.50	39.45	8.81
	256QAM	871.50 + 891.50	39.41	8.73
1	QPSK	871.50 + 891.50	39.77	9.49
	16QAM	871.50 + 891.50	39.61	9.13
	64QAM	871.50 + 891.50	39.50	8.90
	256QAM	871.50 + 891.50	39.75	9.44

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
871.50 + 891.50	35.66	35.67	35.17	35.73

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	874.00 + 889.00	36.35	4.32
	16QAM	874.00 + 889.00	37.31	5.39
	64QAM	874.00 + 889.00	36.30	4.27
	256QAM	874.00 + 889.00	36.48	4.45
1	QPSK	874.00 + 889.00	36.60	4.57
	16QAM	874.00 + 889.00	37.07	5.09
	64QAM	874.00 + 889.00	36.39	4.36
	256QAM	874.00 + 889.00	36.39	4.36

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00 + 889.00	17.55	20.42	17.11	17.18

(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	874.00 + 889.00	36.48	4.44
	16QAM	874.00 + 889.00	36.96	4.96
	64QAM	874.00 + 889.00	36.26	4.23
	256QAM	874.00 + 889.00	36.35	4.32
1	QPSK	874.00 + 889.00	36.41	4.37
	16QAM	874.00 + 889.00	36.66	4.63
	64QAM	874.00 + 889.00	36.46	4.43
	256QAM	874.00 + 889.00	36.55	4.52

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00 + 889.00	17.31	18.49	17.16	17.41

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	871.50 + 891.50	39.42	8.76
	16QAM	871.50 + 891.50	39.54	8.99
	64QAM	871.50 + 891.50	39.31	8.53
	256QAM	871.50 + 891.50	39.74	9.43
1	QPSK	871.50 + 891.50	39.54	8.99
	16QAM	871.50 + 891.50	39.80	9.56
	64QAM	871.50 + 891.50	39.47	8.84
	256QAM	871.50 + 891.50	39.75	9.45

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
871.50 + 891.50	34.71	36.51	33.87	36.23

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	874.00 + 891.50	37.83	6.06
	16QAM	874.00 + 891.50	37.98	6.29
	64QAM	874.00 + 891.50	37.62	5.78
	256QAM	874.00 + 891.50	37.69	5.87
1	QPSK	874.00 + 891.50	37.78	5.99
	16QAM	874.00 + 891.50	37.99	6.29
	64QAM	874.00 + 891.50	37.77	5.98
	256QAM	874.00 + 891.50	37.87	6.12

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00 + 891.50	23.72	25.03	23.32	23.46

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	874.00 + 889.00	36.47	4.44
	16QAM	874.00 + 889.00	36.97	4.98
	64QAM	874.00 + 889.00	36.43	4.40
	256QAM	874.00 + 889.00	36.48	4.45
1	QPSK	874.00 + 889.00	36.58	4.55
	16QAM	874.00 + 889.00	36.99	5.00
	64QAM	874.00 + 889.00	36.29	4.26
	256QAM	874.00 + 889.00	36.40	4.36

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00 + 889.00	17.68	19.31	17.08	17.38

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	871.50 + 891.50	37.89	6.15
	16QAM	871.50 + 891.50	37.99	6.30
	64QAM	871.50 + 891.50	38.05	6.38
	256QAM	871.50 + 891.50	37.70	5.89
1	QPSK	871.50 + 891.50	37.91	6.18
	16QAM	871.50 + 891.50	38.09	6.44
	64QAM	871.50 + 891.50	37.78	5.99
	256QAM	871.50 + 891.50	37.82	6.06
2	QPSK	871.50 + 891.50	37.75	5.95
	16QAM	871.50 + 891.50	37.94	6.22
	64QAM	871.50 + 891.50	37.94	6.23
	256QAM	871.50 + 891.50	38.11	6.47
3	QPSK	871.50 + 891.50	37.73	5.93
	16QAM	871.50 + 891.50	38.06	6.39
	64QAM	871.50 + 891.50	37.75	5.96
	256QAM	871.50 + 891.50	37.67	5.84

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
871.50 + 891.50	47.95	50.05	47.95	47.39

(4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	874.00 + 889.00	34.73	2.97
	16QAM	874.00 + 889.00	35.18	3.29
	64QAM	874.00 + 889.00	34.60	2.88
	256QAM	874.00 + 889.00	34.66	2.93
1	QPSK	874.00 + 889.00	34.73	2.97
	16QAM	874.00 + 889.00	35.52	3.56
	64QAM	874.00 + 889.00	34.70	2.95
	256QAM	874.00 + 889.00	34.71	2.96
2	QPSK	874.00 + 889.00	34.39	2.75
	16QAM	874.00 + 889.00	35.24	3.34
	64QAM	874.00 + 889.00	34.57	2.86
	256QAM	874.00 + 889.00	34.55	2.85
3	QPSK	874.00 + 889.00	34.68	2.94
	16QAM	874.00 + 889.00	35.32	3.41
	64QAM	874.00 + 889.00	34.78	3.01
	256QAM	874.00 + 889.00	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			
874.00 + 889.00	23.16	26.79	23.12	23.11

(4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	874.00 + 889.00	34.71	2.96
	16QAM	874.00 + 889.00	34.88	3.08
	64QAM	874.00 + 889.00	34.78	3.01
	256QAM	874.00 + 889.00	34.69	2.94
1	QPSK	874.00 + 889.00	35.00	3.16
	16QAM	874.00 + 889.00	35.24	3.34
	64QAM	874.00 + 889.00	34.64	2.91
	256QAM	874.00 + 889.00	34.62	2.90
2	QPSK	874.00 + 889.00	34.93	3.11
	16QAM	874.00 + 889.00	35.41	3.48
	64QAM	874.00 + 889.00	34.82	3.03
	256QAM	874.00 + 889.00	34.73	2.97
3	QPSK	874.00 + 889.00	34.81	3.03
	16QAM	874.00 + 889.00	35.40	3.47
	64QAM	874.00 + 889.00	34.81	3.02
	256QAM	874.00 + 889.00	34.77	3.00

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00 + 889.00	24.26	26.20	23.50	23.37

(4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	871.50 + 891.50	37.57	5.71
	16QAM	871.50 + 891.50	38.11	6.47
	64QAM	871.50 + 891.50	37.67	5.85
	256QAM	871.50 + 891.50	37.63	5.80
1	QPSK	871.50 + 891.50	37.68	5.86
	16QAM	871.50 + 891.50	38.04	6.37
	64QAM	871.50 + 891.50	37.69	5.87
	256QAM	871.50 + 891.50	37.91	6.18
2	QPSK	871.50 + 891.50	37.65	5.82
	16QAM	871.50 + 891.50	37.79	6.01
	64QAM	871.50 + 891.50	37.67	5.84
	256QAM	871.50 + 891.50	37.53	5.67
3	QPSK	871.50 + 891.50	37.72	5.92
	16QAM	871.50 + 891.50	37.84	6.09
	64QAM	871.50 + 891.50	37.86	6.10
	256QAM	871.50 + 891.50	37.74	5.95

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
871.50 + 891.50	45.81	49.33	47.02	46.24

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	874.00 + 891.50	35.97	3.95
	16QAM	874.00 + 891.50	36.01	3.99
	64QAM	874.00 + 891.50	35.76	3.76
	256QAM	874.00 + 891.50	35.87	3.86
1	QPSK	874.00 + 891.50	36.08	4.06
	16QAM	874.00 + 891.50	36.21	4.18
	64QAM	874.00 + 891.50	36.13	4.10
	256QAM	874.00 + 891.50	35.87	3.86
2	QPSK	874.00 + 891.50	35.84	3.84
	16QAM	874.00 + 891.50	36.29	4.25
	64QAM	874.00 + 891.50	36.05	4.03
	256QAM	874.00 + 891.50	35.90	3.89
3	QPSK	874.00 + 891.50	35.92	3.91
	16QAM	874.00 + 891.50	36.50	4.47
	64QAM	874.00 + 891.50	36.02	4.00
	256QAM	874.00 + 891.50	36.05	4.03

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00 + 891.50	30.57	32.98	31.08	30.80

(4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	874.00 + 889.00	34.51	2.83
	16QAM	874.00 + 889.00	35.21	3.32
	64QAM	874.00 + 889.00	34.51	2.82
	256QAM	874.00 + 889.00	34.53	2.84
1	QPSK	874.00 + 889.00	34.61	2.89
	16QAM	874.00 + 889.00	35.23	3.33
	64QAM	874.00 + 889.00	34.71	2.96
	256QAM	874.00 + 889.00	34.63	2.91
2	QPSK	874.00 + 889.00	34.61	2.89
	16QAM	874.00 + 889.00	35.20	3.31
	64QAM	874.00 + 889.00	34.61	2.89
	256QAM	874.00 + 889.00	34.68	2.93
3	QPSK	874.00 + 889.00	34.58	2.87
	16QAM	874.00 + 889.00	35.43	3.49
	64QAM	874.00 + 889.00	34.80	3.02
	256QAM	874.00 + 889.00	34.79	3.01

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
874.00 + 889.00	22.67	25.90	22.95	22.93

(2 Port)B5 LTE B5 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	871.50 + (881.50 + 889.00)	36.16	4.13
	16QAM	871.50 + (881.50 + 889.00)	36.66	4.63
	64QAM	871.50 + (881.50 + 889.00)	36.44	4.41
	256QAM	871.50 + (881.50 + 889.00)	36.23	4.19
1	QPSK	871.50 + (881.50 + 889.00)	36.25	4.21
	16QAM	871.50 + (881.50 + 889.00)	36.52	4.49
	64QAM	871.50 + (881.50 + 889.00)	36.34	4.31
	256QAM	871.50 + (881.50 + 889.00)	36.35	4.32

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
871.50 + (881.50 + 889.00)	16.65	17.84	17.23	16.78

(2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	(874.00 + 881.50) + 891.50	36.42	4.39
	16QAM	(874.00 + 881.50) + 891.50	36.60	4.57
	64QAM	(874.00 + 881.50) + 891.50	36.35	4.31
	256QAM	(874.00 + 881.50) + 891.50	36.43	4.40
1	QPSK	(874.00 + 881.50) + 891.50	36.49	4.45
	16QAM	(874.00 + 881.50) + 891.50	36.75	4.73
	64QAM	(874.00 + 881.50) + 891.50	36.52	4.49
	256QAM	(874.00 + 881.50) + 891.50	36.57	4.54

Sum Data of Port 0 and Port 1

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
(874.00 + 881.50) + 891.50	17.50	18.51	17.44	17.69

(4 Port)B5 LTE 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	871.50 + (881.50 + 889.00)	34.74	2.98
	16QAM	871.50 + (881.50 + 889.00)	35.13	3.26
	64QAM	871.50 + (881.50 + 889.00)	34.92	3.10
	256QAM	871.50 + (881.50 + 889.00)	34.63	2.90
1	QPSK	871.50 + (881.50 + 889.00)	34.57	2.87
	16QAM	871.50 + (881.50 + 889.00)	35.11	3.25
	64QAM	871.50 + (881.50 + 889.00)	34.55	2.85
	256QAM	871.50 + (881.50 + 889.00)	34.66	2.92
2	QPSK	871.50 + (881.50 + 889.00)	34.85	3.06
	16QAM	871.50 + (881.50 + 889.00)	35.02	3.18
	64QAM	871.50 + (881.50 + 889.00)	34.59	2.88
	256QAM	871.50 + (881.50 + 889.00)	34.54	2.84
3	QPSK	871.50 + (881.50 + 889.00)	34.91	3.10
	16QAM	871.50 + (881.50 + 889.00)	34.93	3.11
	64QAM	871.50 + (881.50 + 889.00)	34.78	3.01
	256QAM	871.50 + (881.50 + 889.00)	34.79	3.01

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

Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
871.50 + (881.50 + 889.00)	23.47	24.92	23.17	23.25

(4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C)

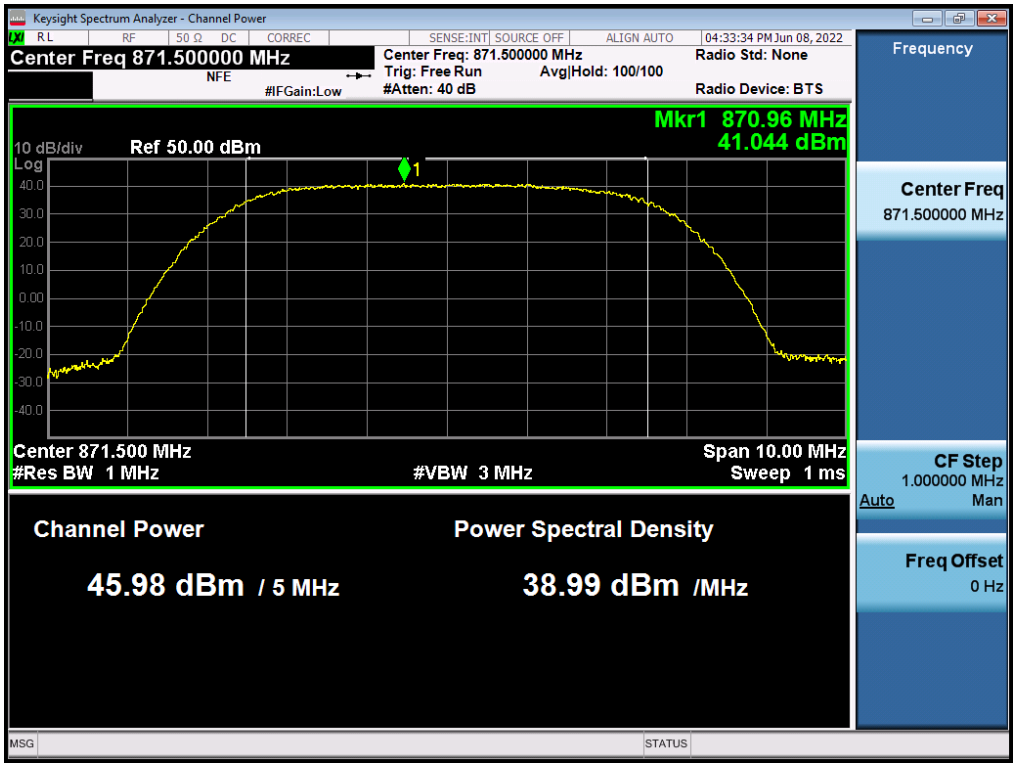
Ant.	Mod	Frequency (MHz)	Measured Value (dBm/MHz)	Calculated (W/MHz)
0	QPSK	(874.00 + 881.50) + 891.50	34.80	3.02
	16QAM	(874.00 + 881.50) + 891.50	34.88	3.08
	64QAM	(874.00 + 881.50) + 891.50	34.69	2.94
	256QAM	(874.00 + 881.50) + 891.50	34.59	2.88
1	QPSK	(874.00 + 881.50) + 891.50	34.95	3.12
	16QAM	(874.00 + 881.50) + 891.50	35.04	3.19
	64QAM	(874.00 + 881.50) + 891.50	35.06	3.21
	256QAM	(874.00 + 881.50) + 891.50	34.85	3.06
2	QPSK	(874.00 + 881.50) + 891.50	34.67	2.93
	16QAM	(874.00 + 881.50) + 891.50	35.12	3.25
	64QAM	(874.00 + 881.50) + 891.50	34.82	3.03
	256QAM	(874.00 + 881.50) + 891.50	34.57	2.87
3	QPSK	(874.00 + 881.50) + 891.50	35.18	3.30
	16QAM	(874.00 + 881.50) + 891.50	34.87	3.07
	64QAM	(874.00 + 881.50) + 891.50	34.88	3.08
	256QAM	(874.00 + 881.50) + 891.50	34.90	3.09

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

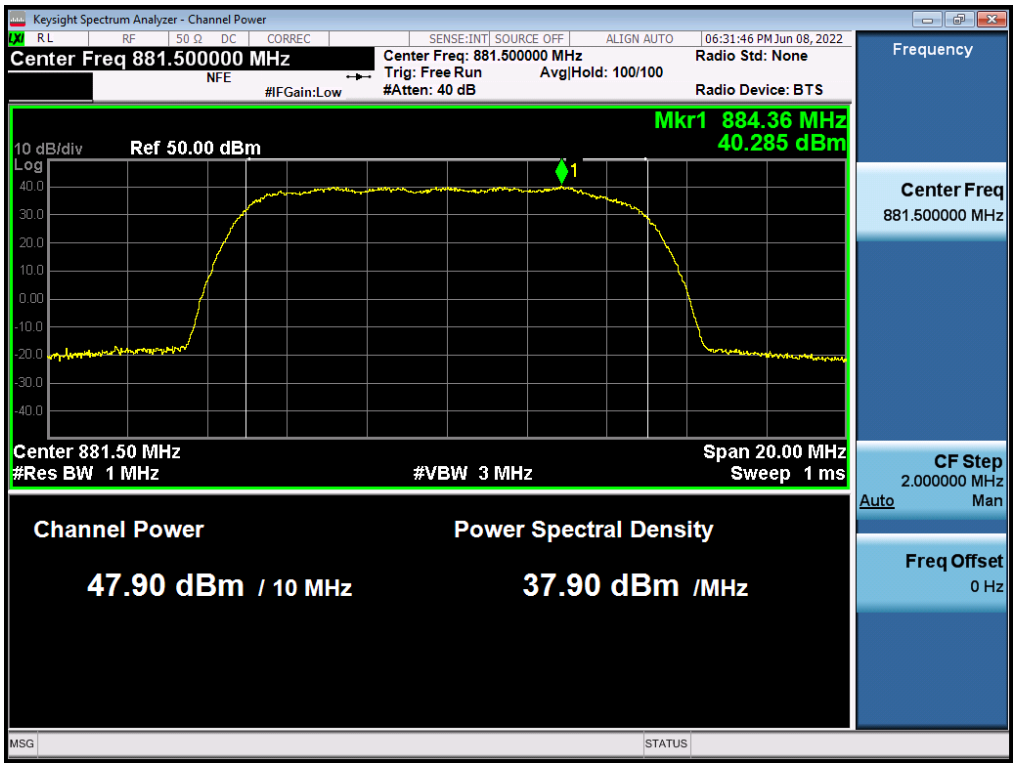
Frequency (MHz)	PSD			
	QPSK	16QAM	64QAM	256QAM
	W/MHz			
(874.00 + 881.50) + 891.50	24.44	24.86	24.15	23.62

Plot Data of PSD

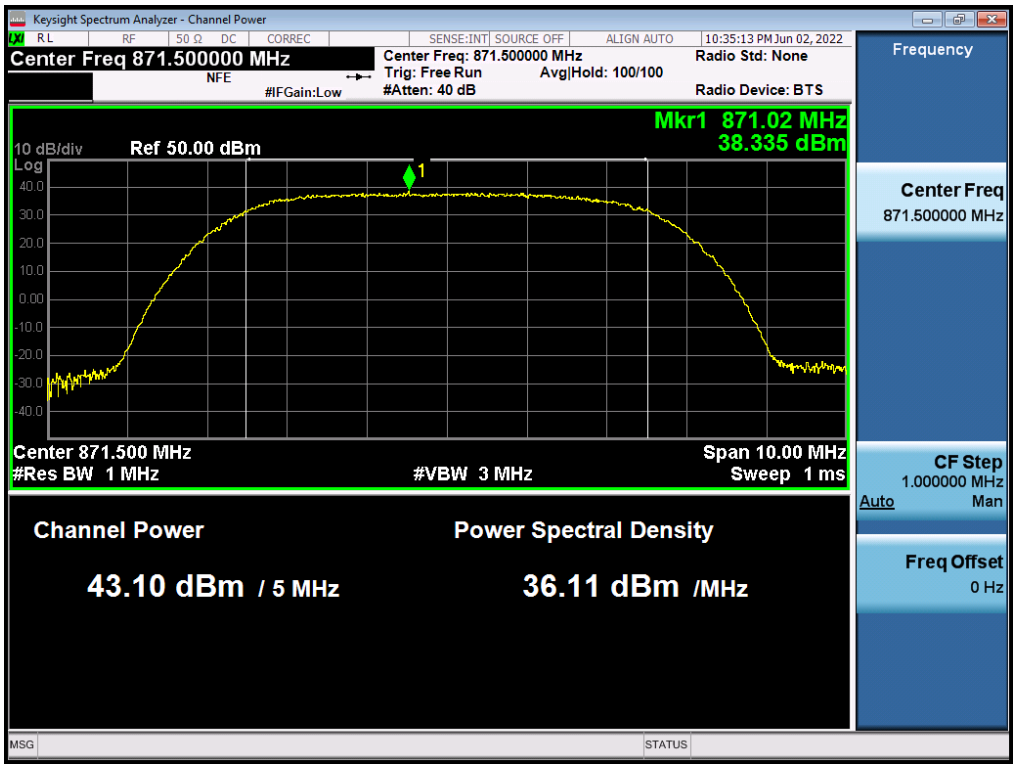
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier / 16QAM / Low



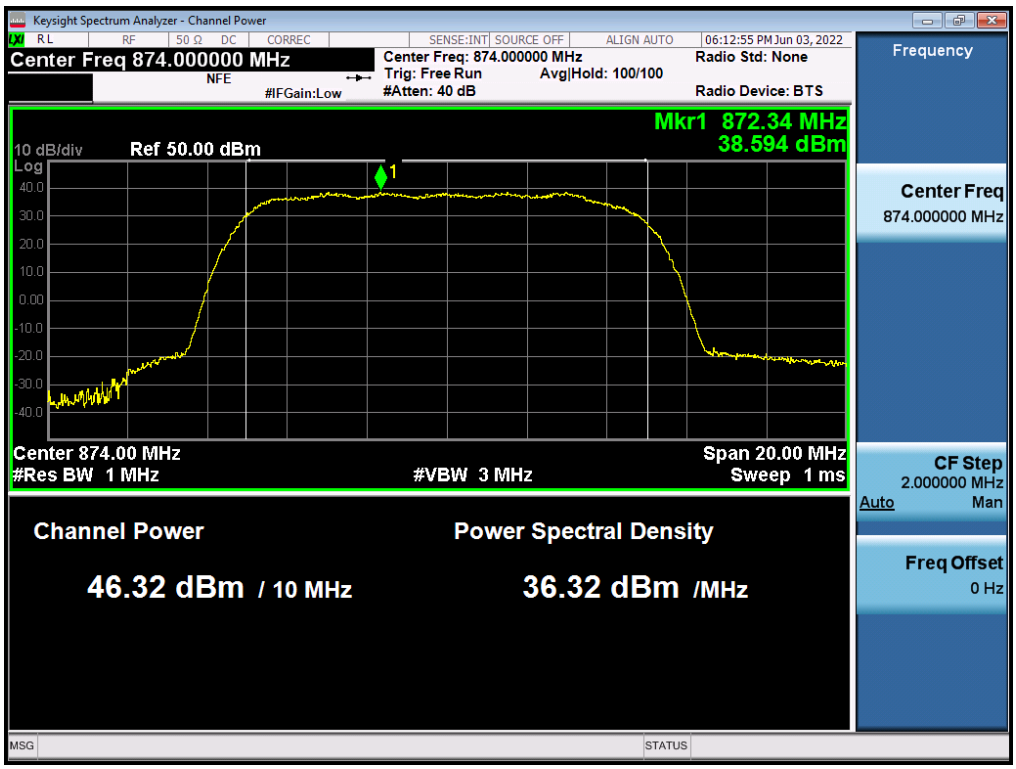
Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier / 16QAM / Middle



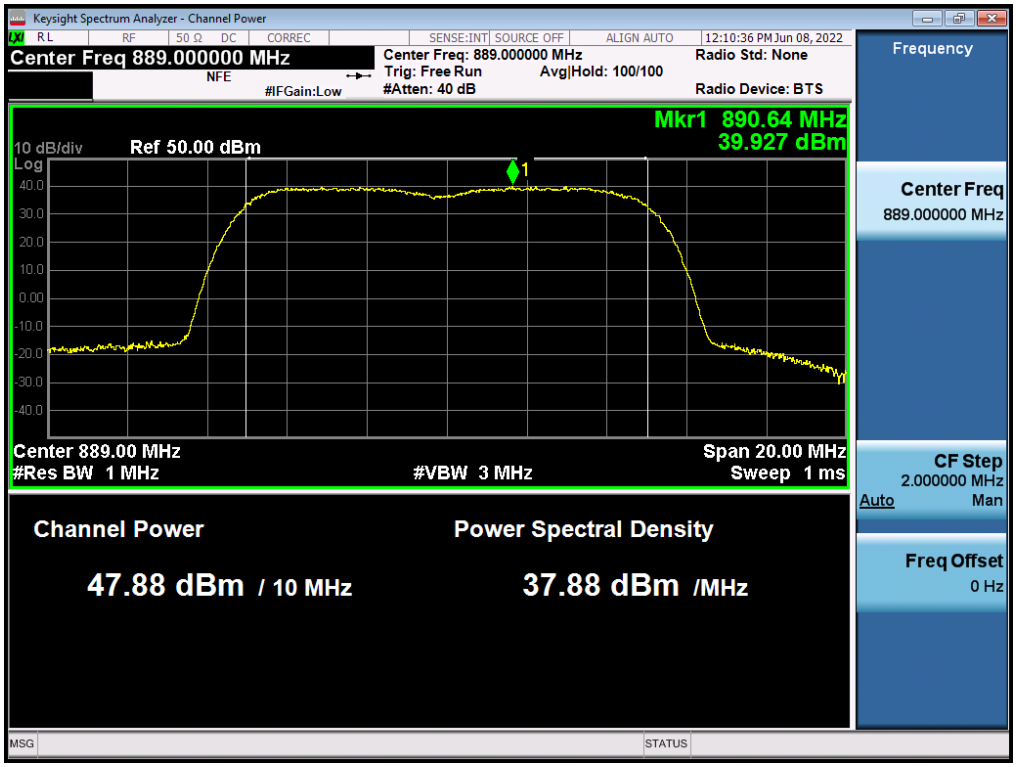
Antenna 1 / (4 Port)5G NR n5 5 MHz 1 Carrier / 16QAM / Low



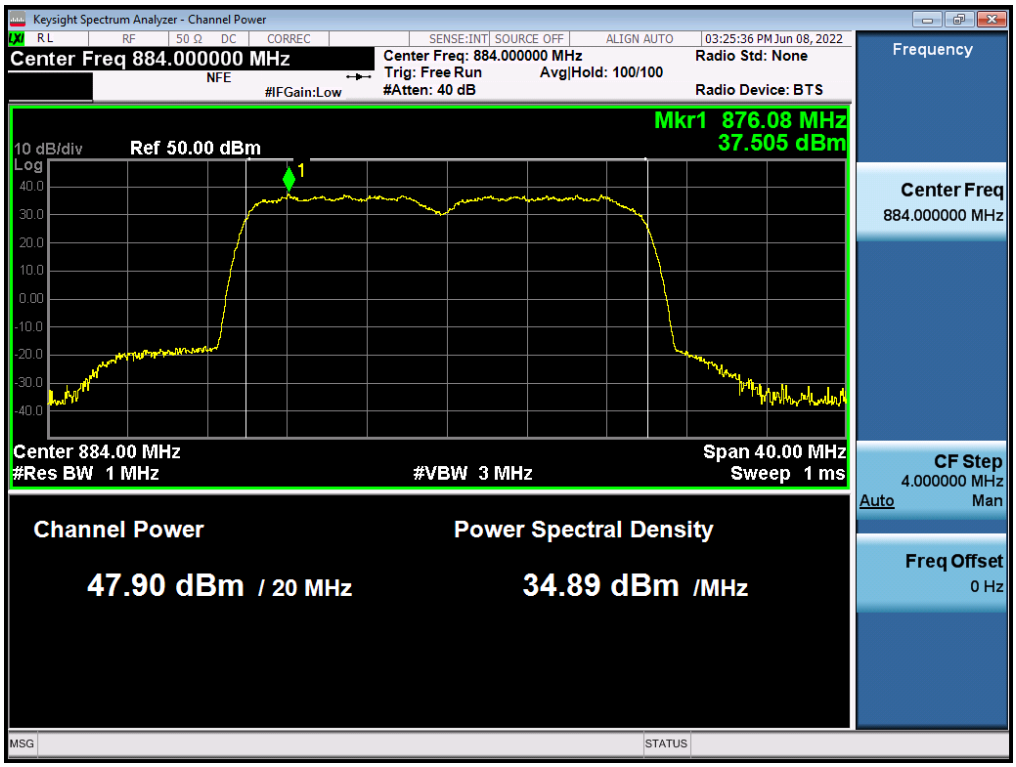
Antenna 3 / (4 Port)5G NR n5 10 MHz 1 Carrier / 16QAM / Low



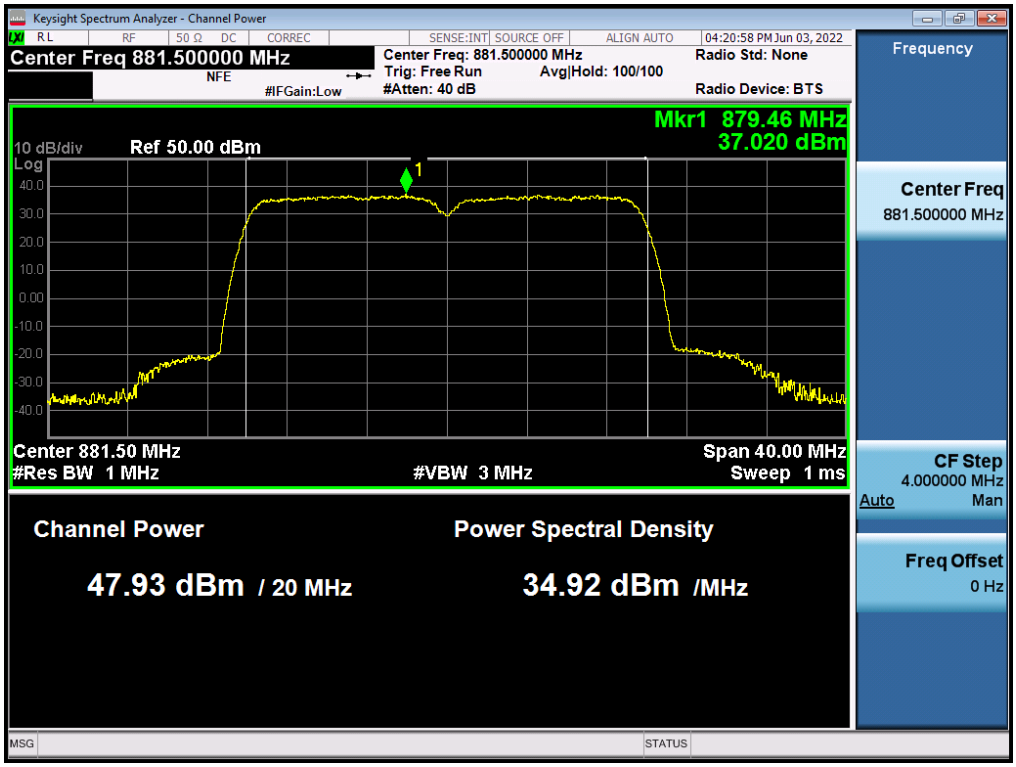
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



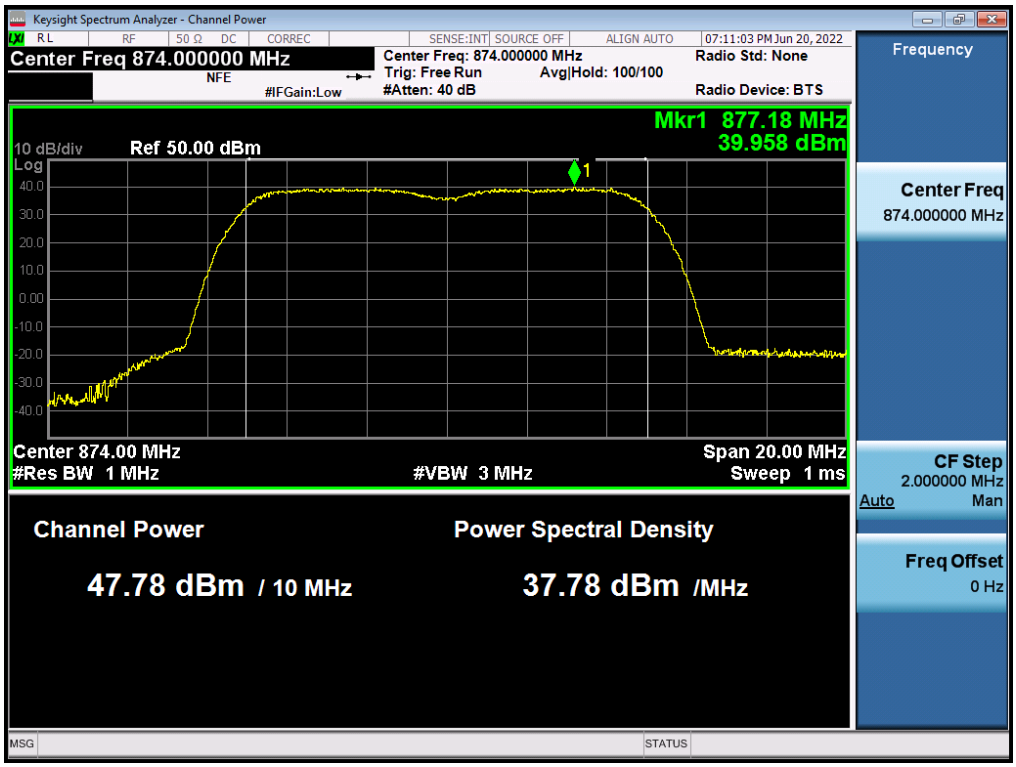
Antenna 0 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



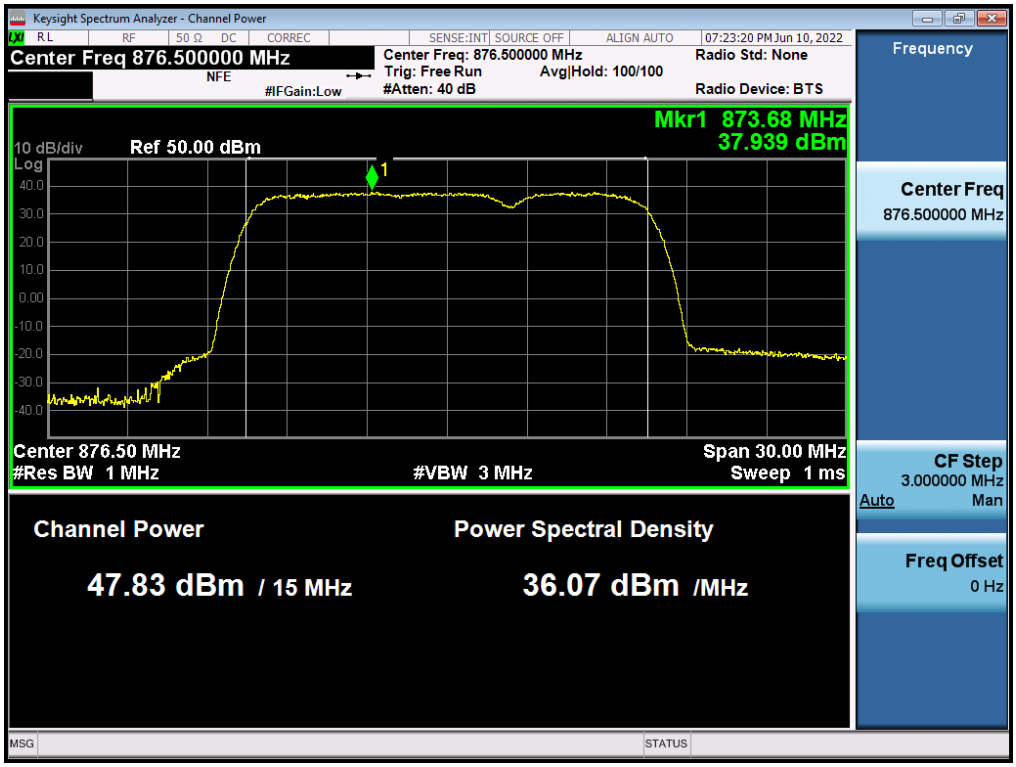
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Middle



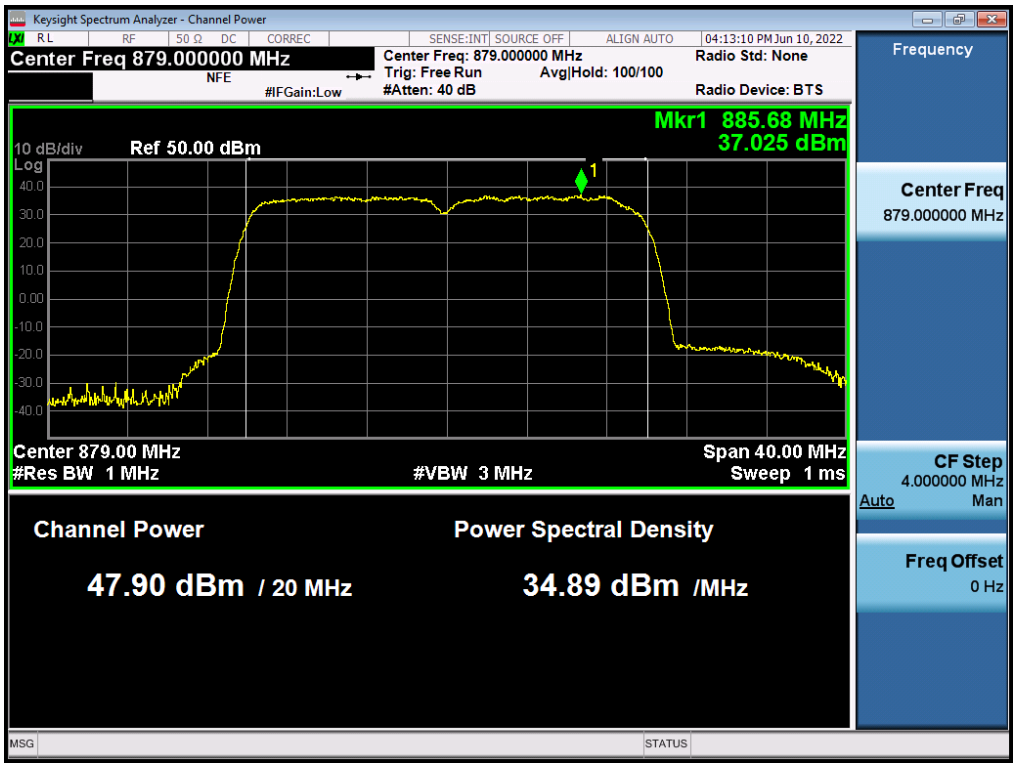
Antenna 0 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



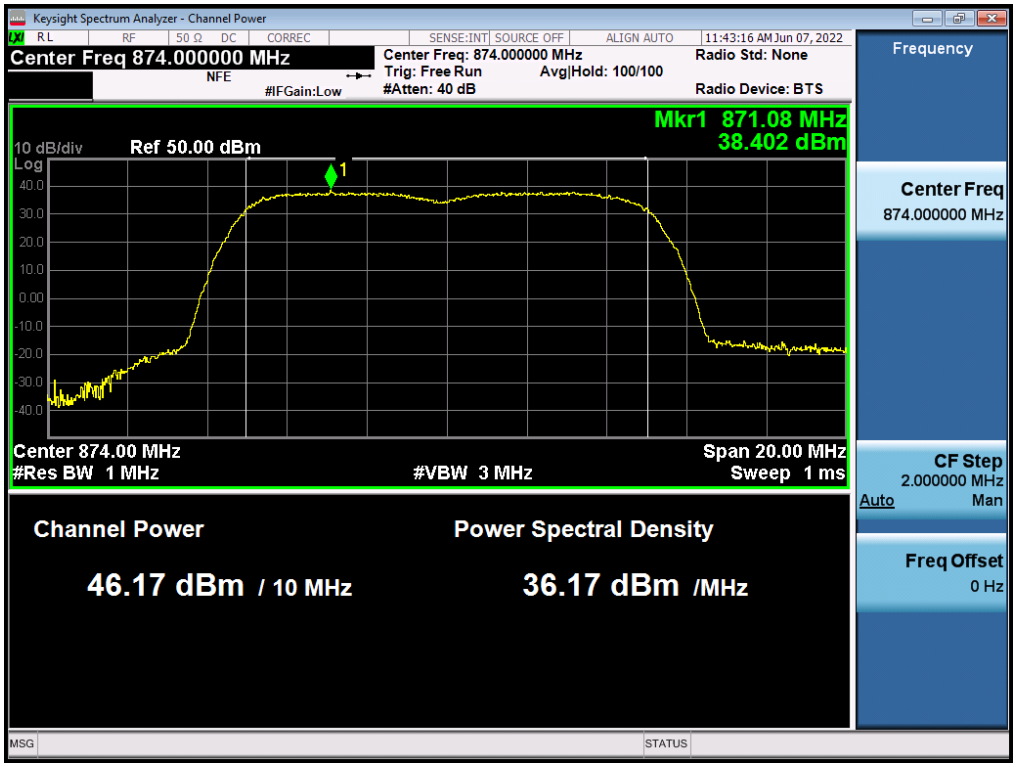
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



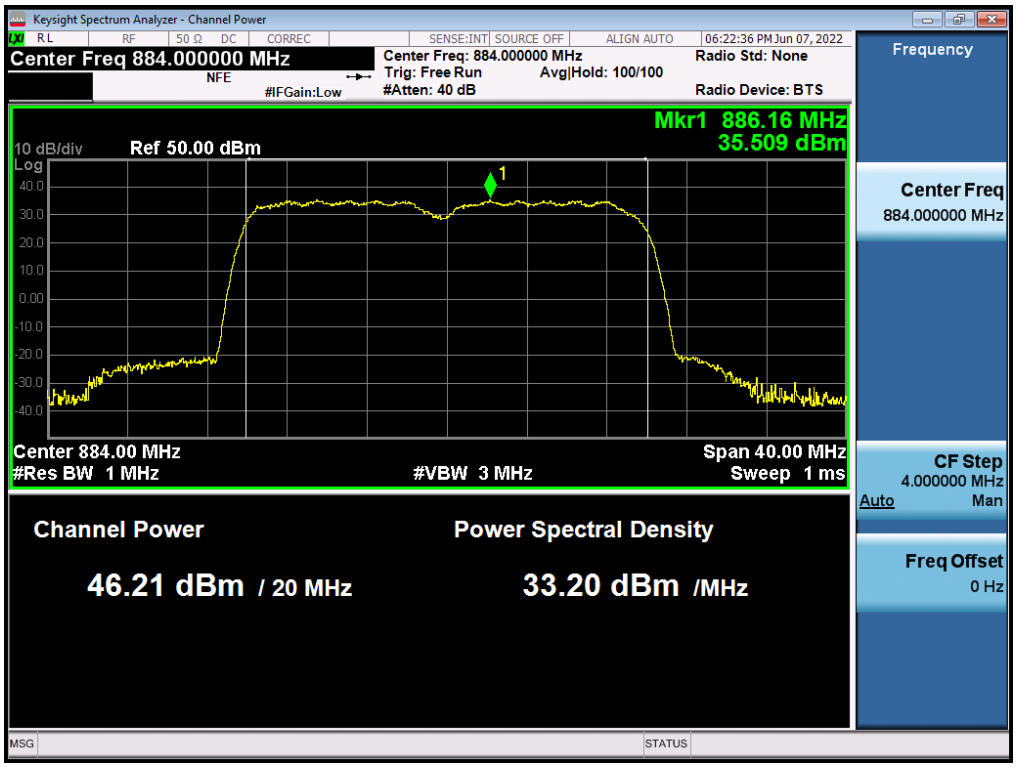
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



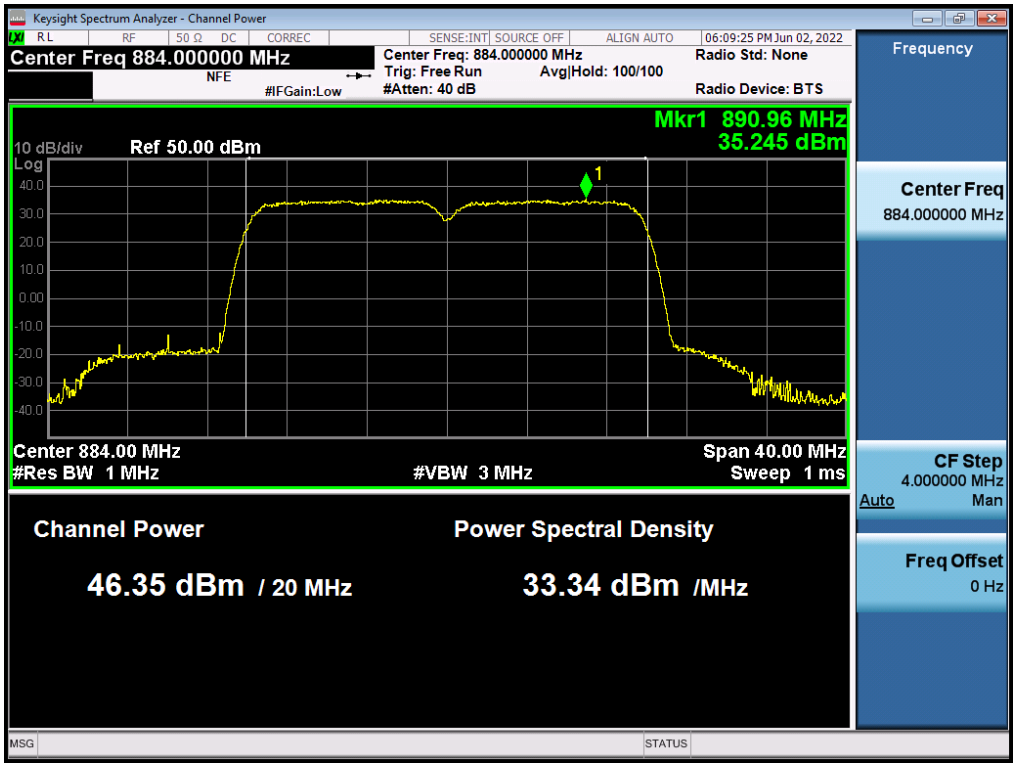
Antenna 3 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low



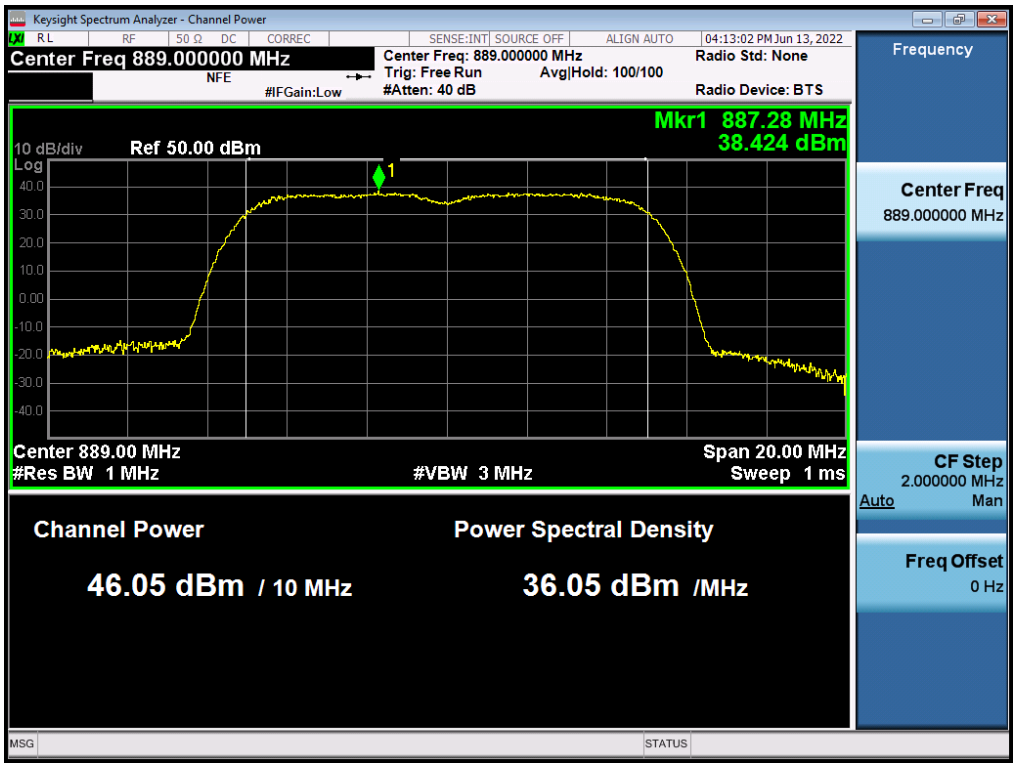
Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



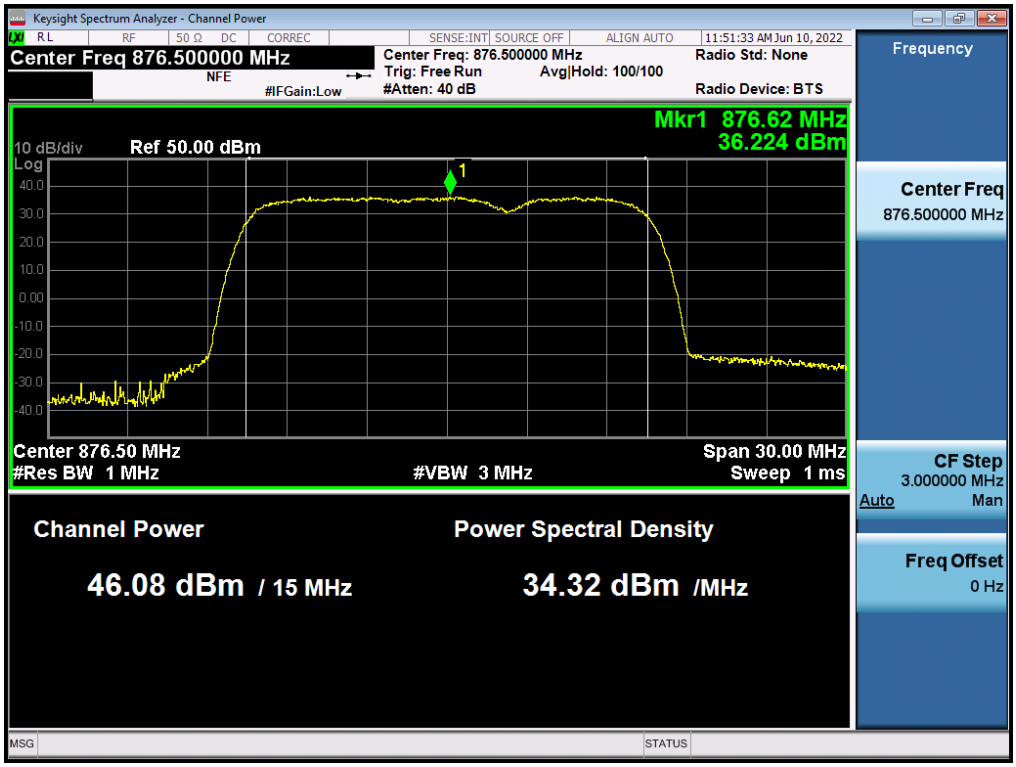
Antenna 2 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



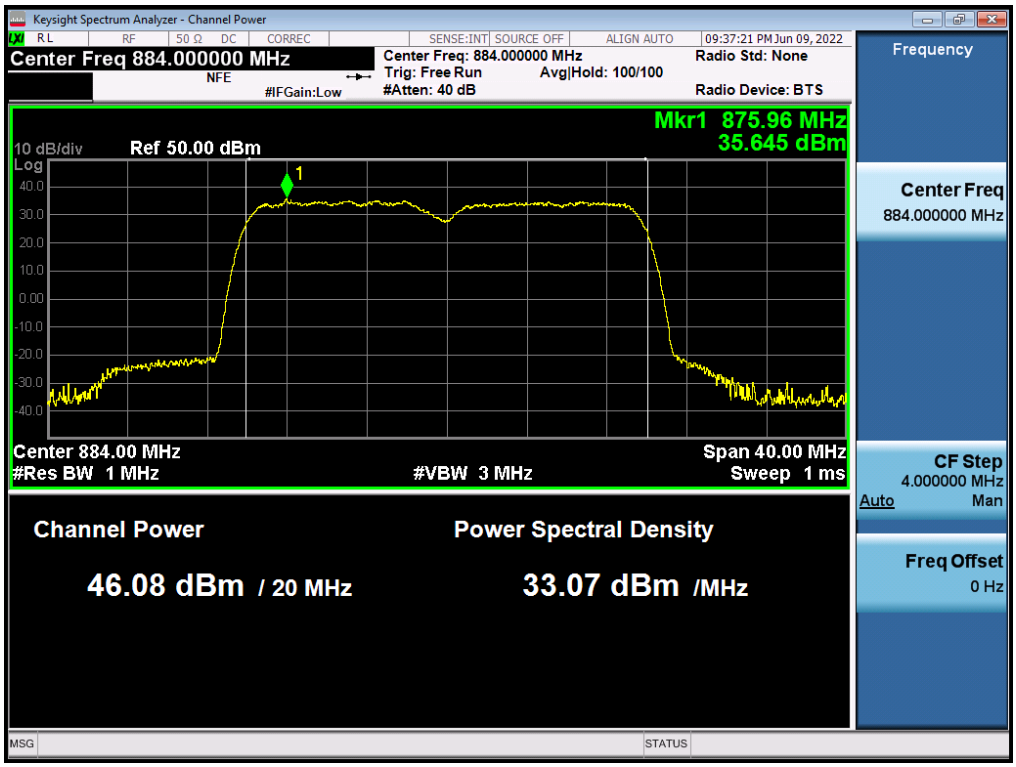
Antenna 2 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / High



Antenna 1 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Contiguous / 16QAM / Low

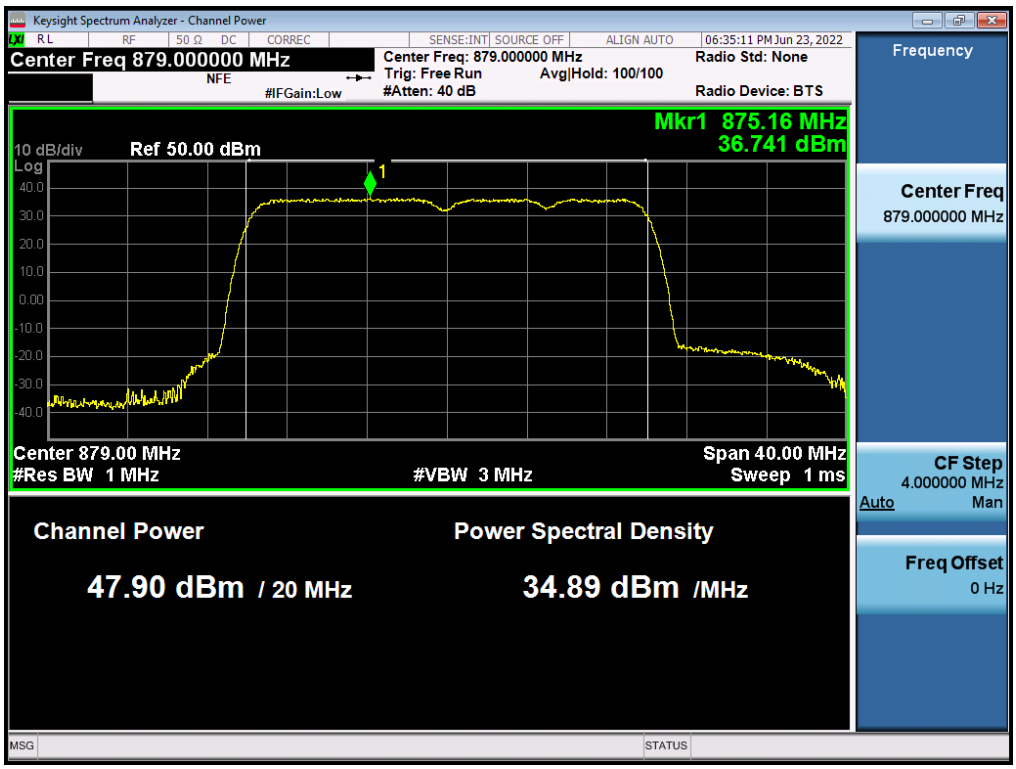


Antenna 0 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Contiguous / High

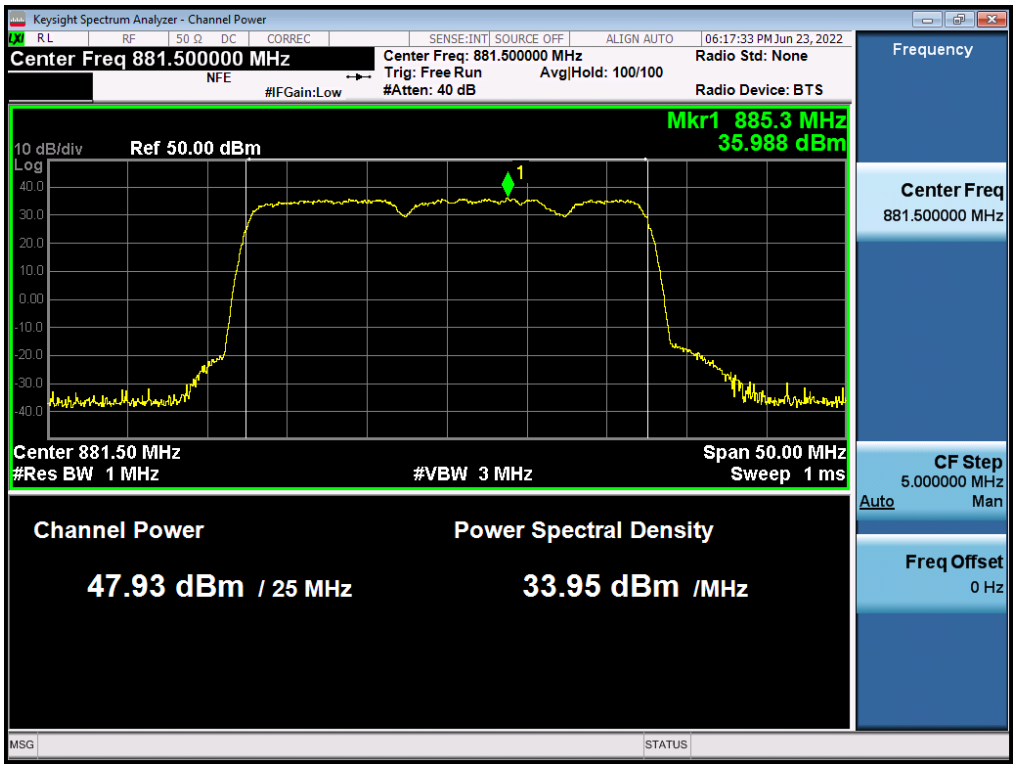


Antenna 1 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / Middle

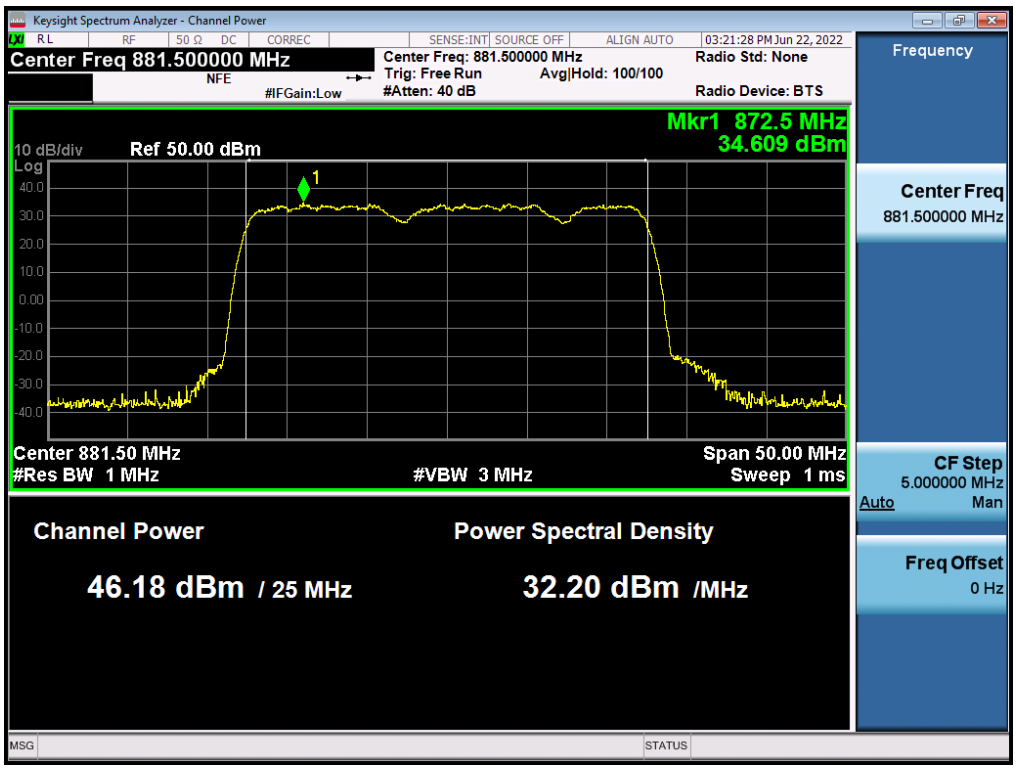
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 64QAM / Low



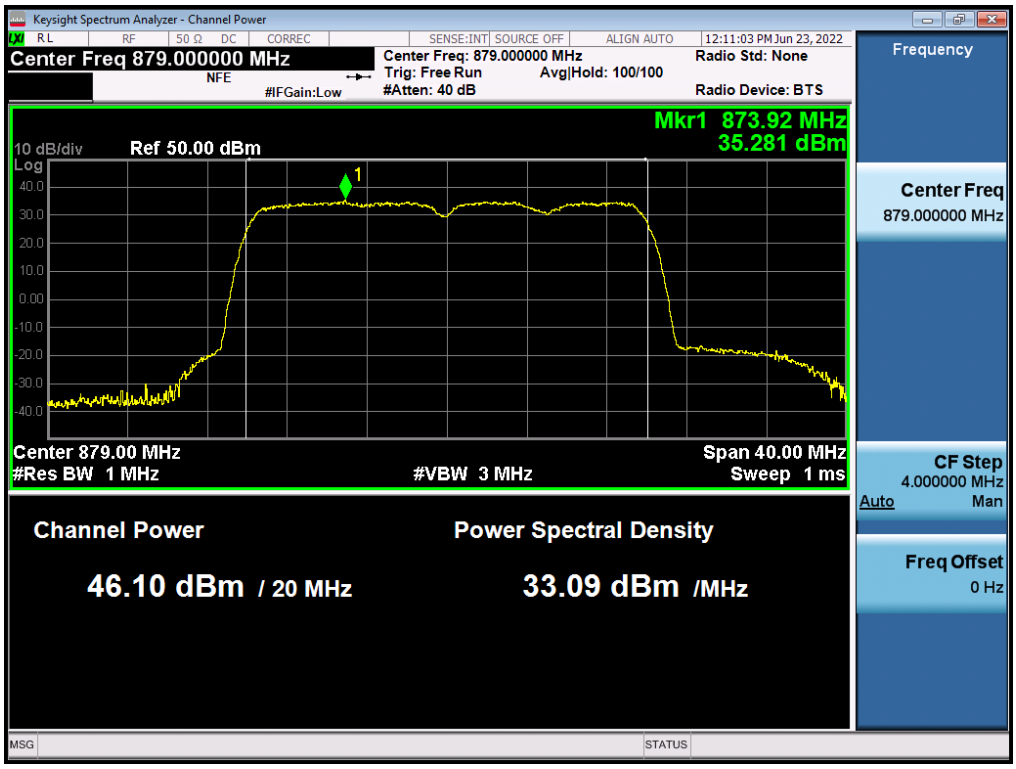
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / Middle



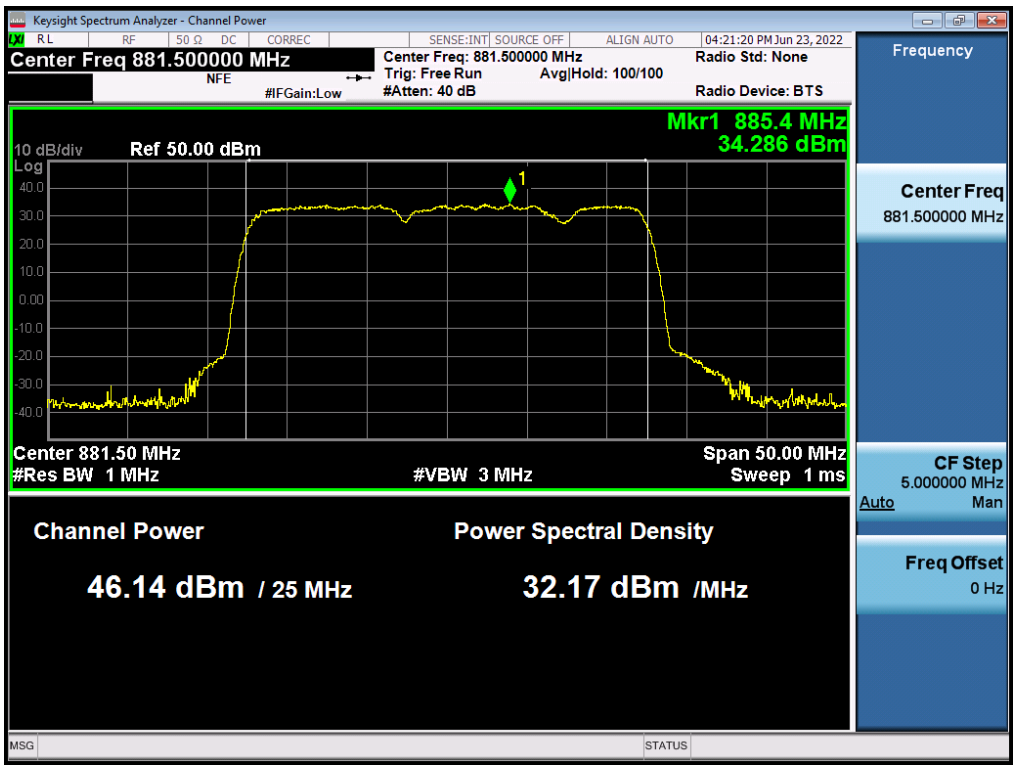
Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / Middle



Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / Low

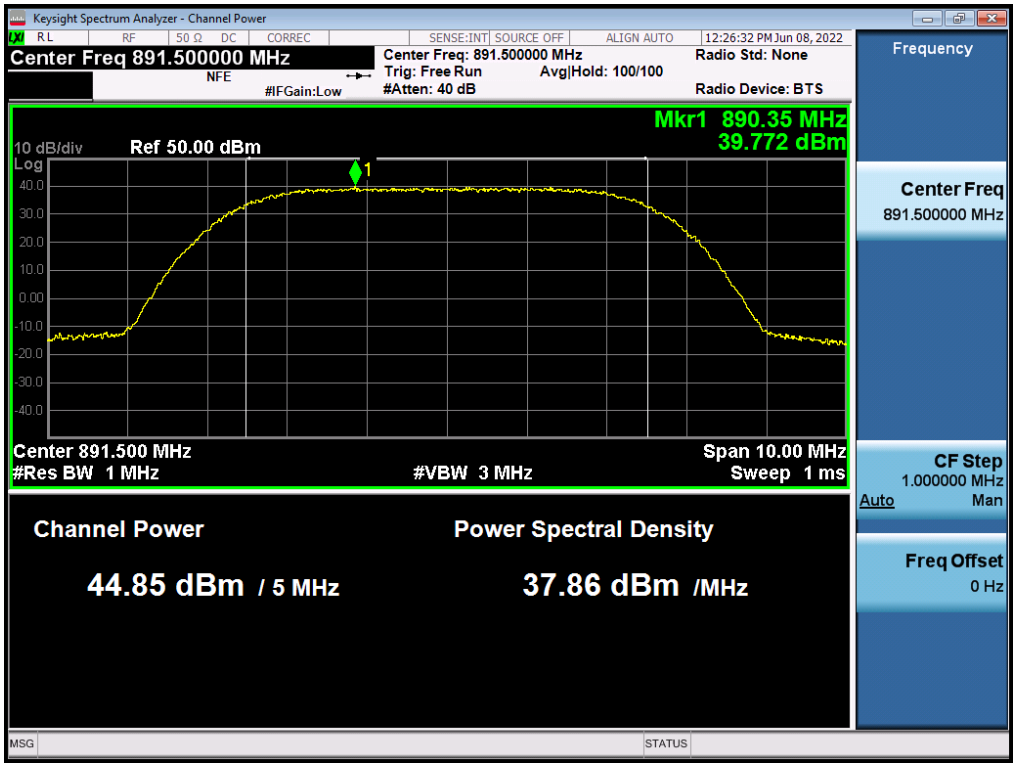


Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [3 Carrier] / Contiguous / 16QAM / Middle



Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / QPSK / Low

Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / QPSK / High



Antenna 0 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / Low

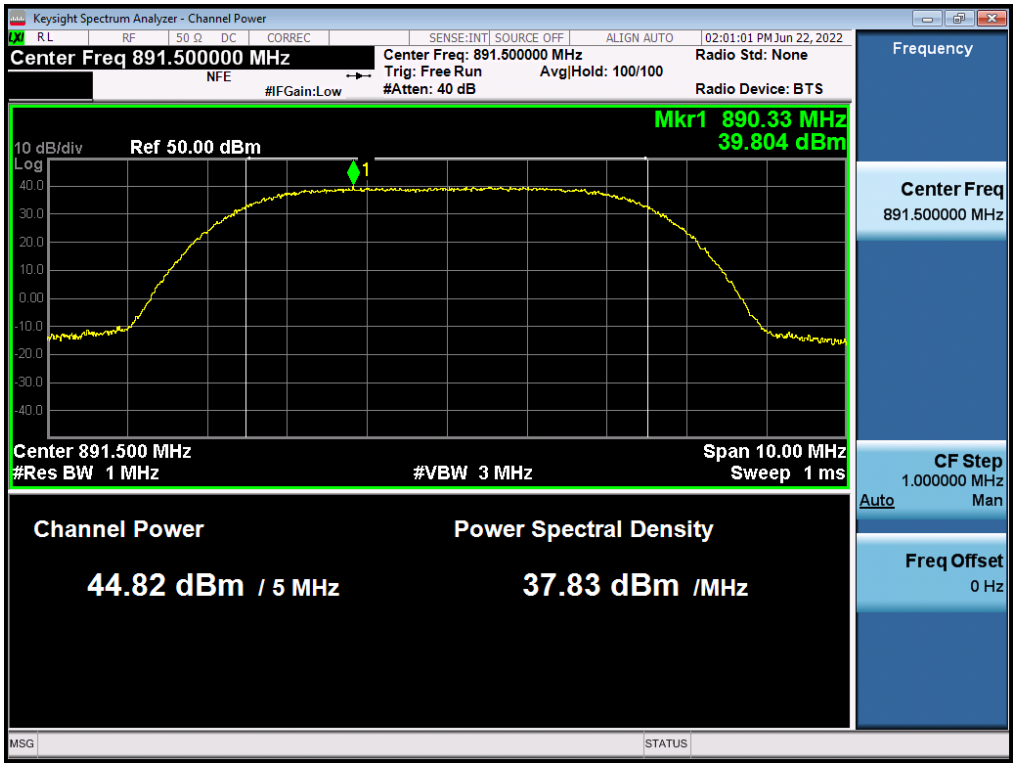
Antenna 0 / (2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High

Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low

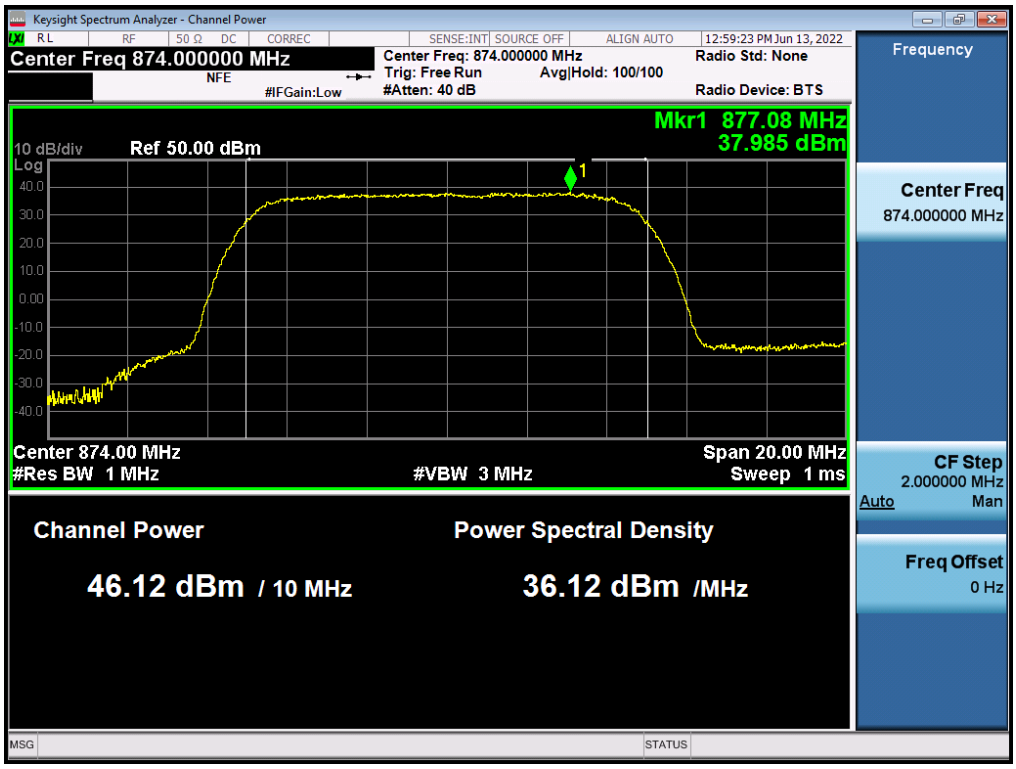
Antenna 0 / (2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / High

Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / Low

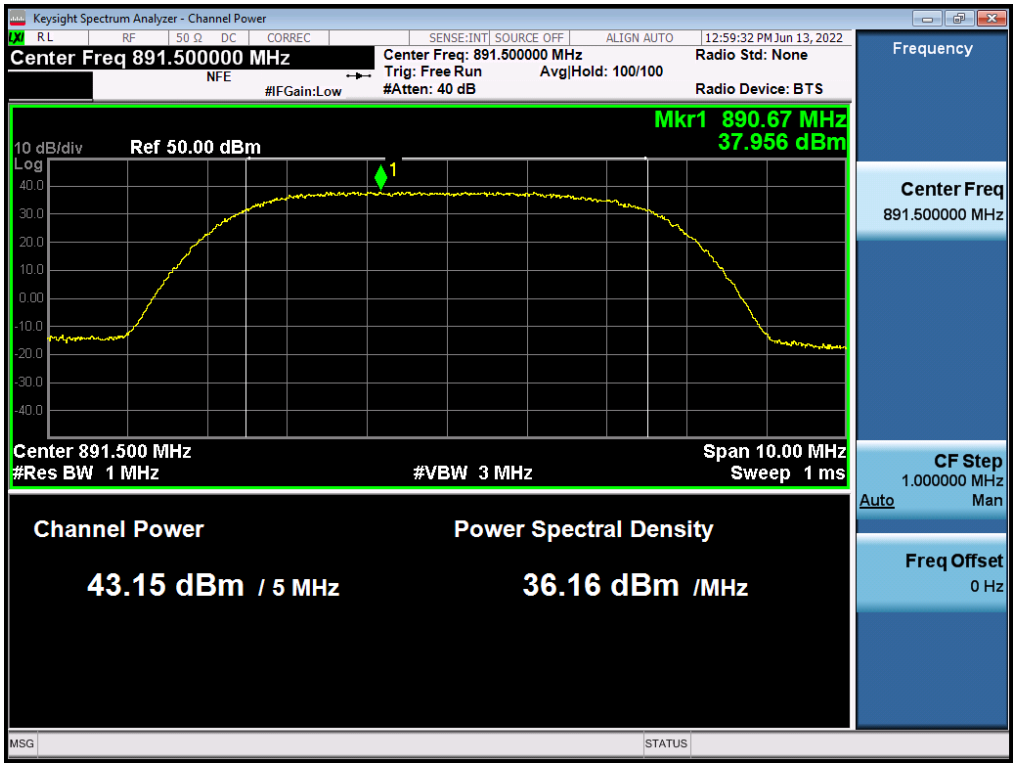
Antenna 1 / (2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 16QAM / High



Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low

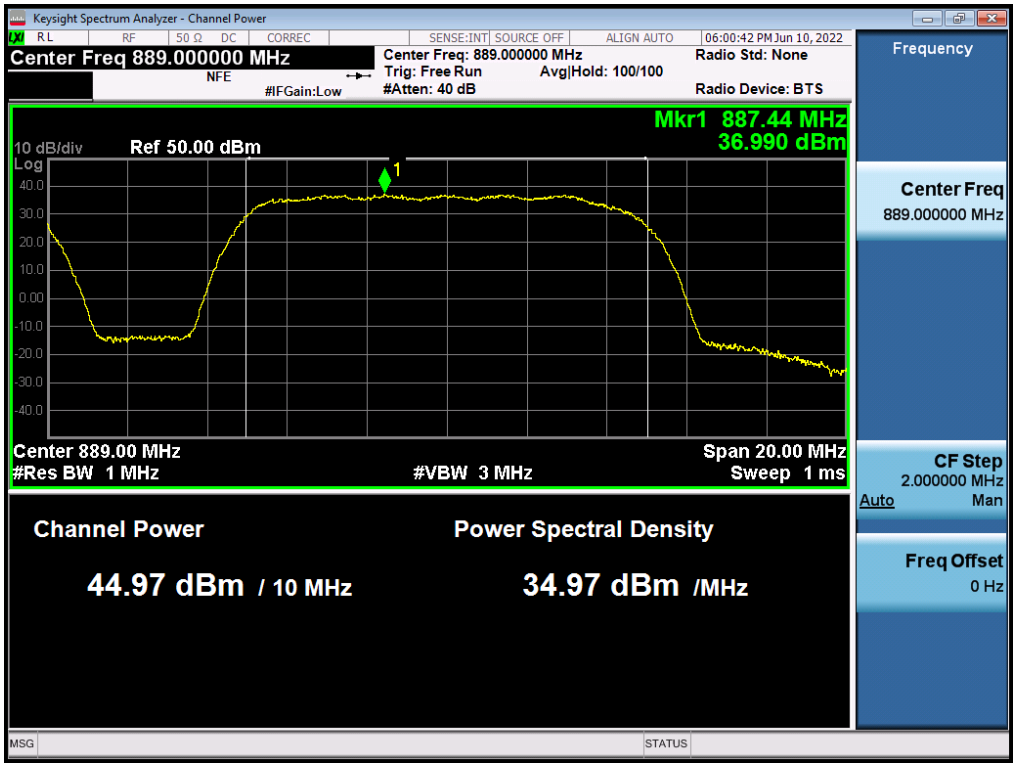


Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High



Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low

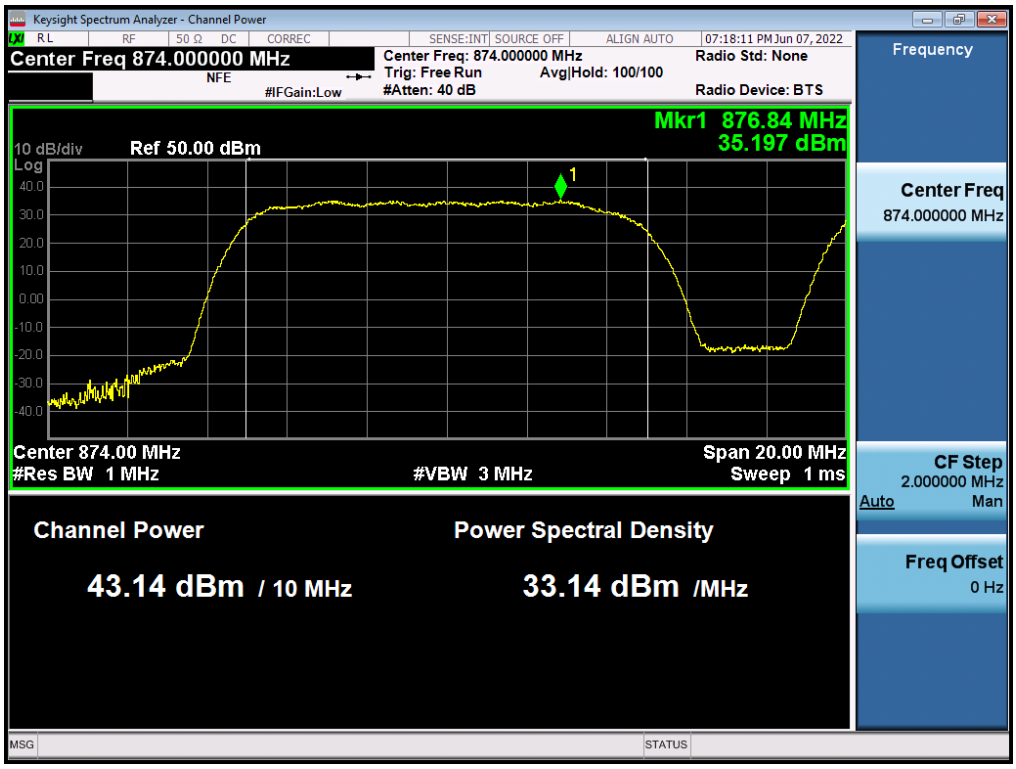
Antenna 1 / (2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High



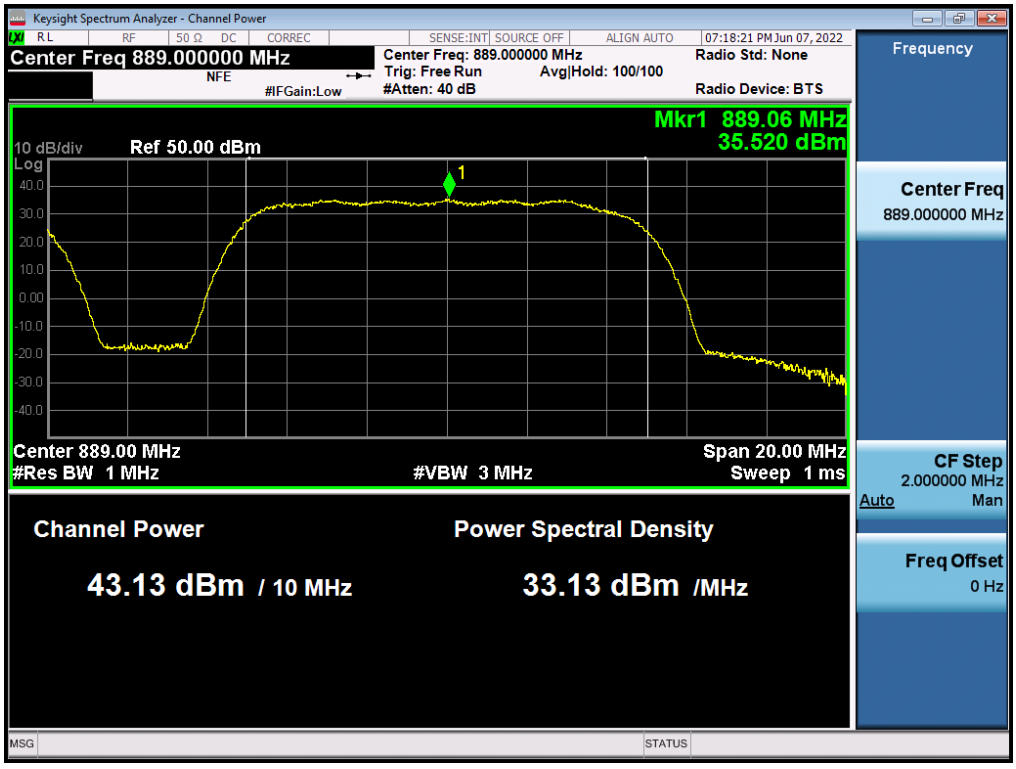
Antenna 2 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 256QAM / Low

Antenna 2 / (4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 256QAM / High

Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / Low

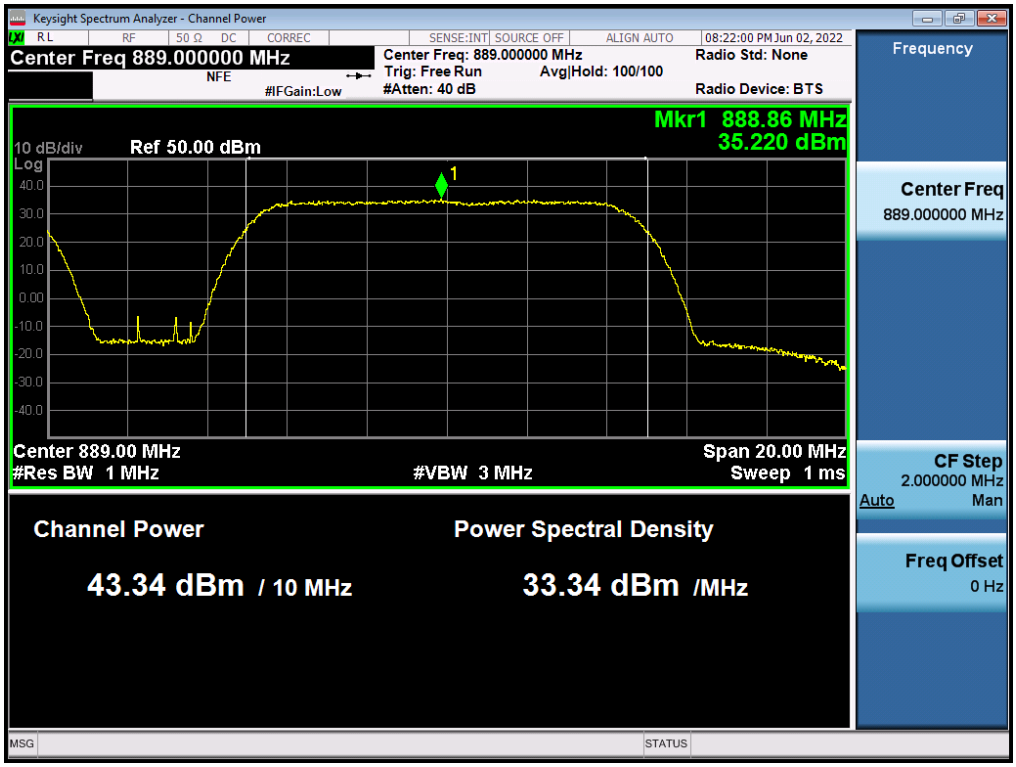


Antenna 1 / (4 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High



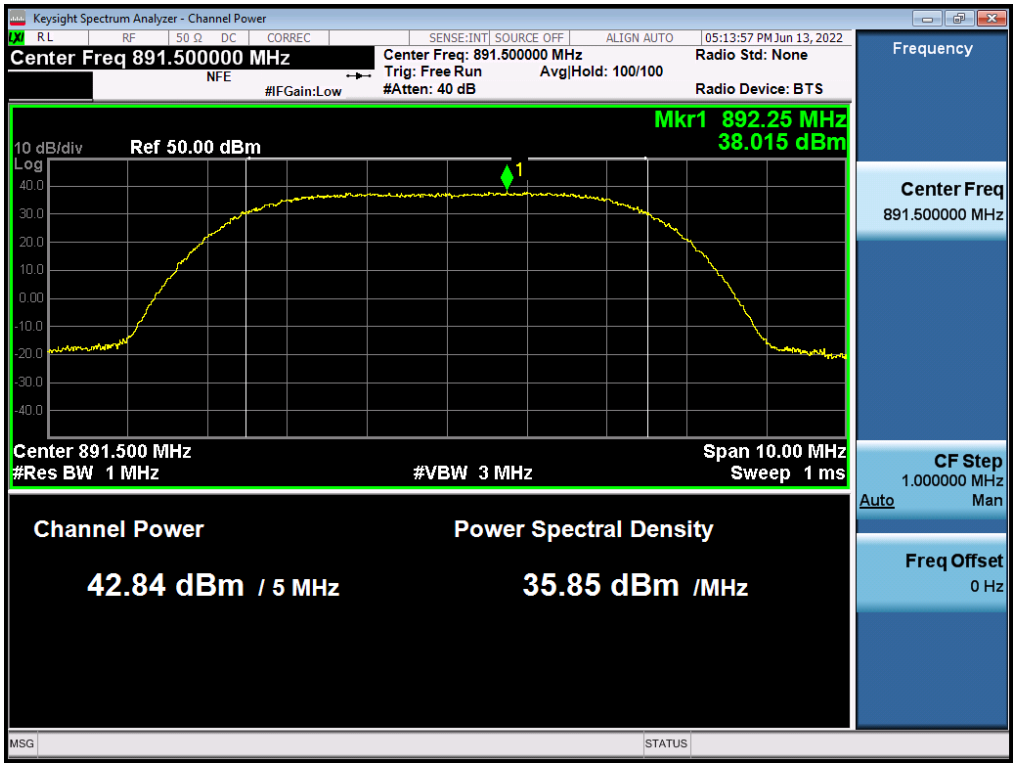
Antenna 2 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low

Antenna 2 / (4 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / High

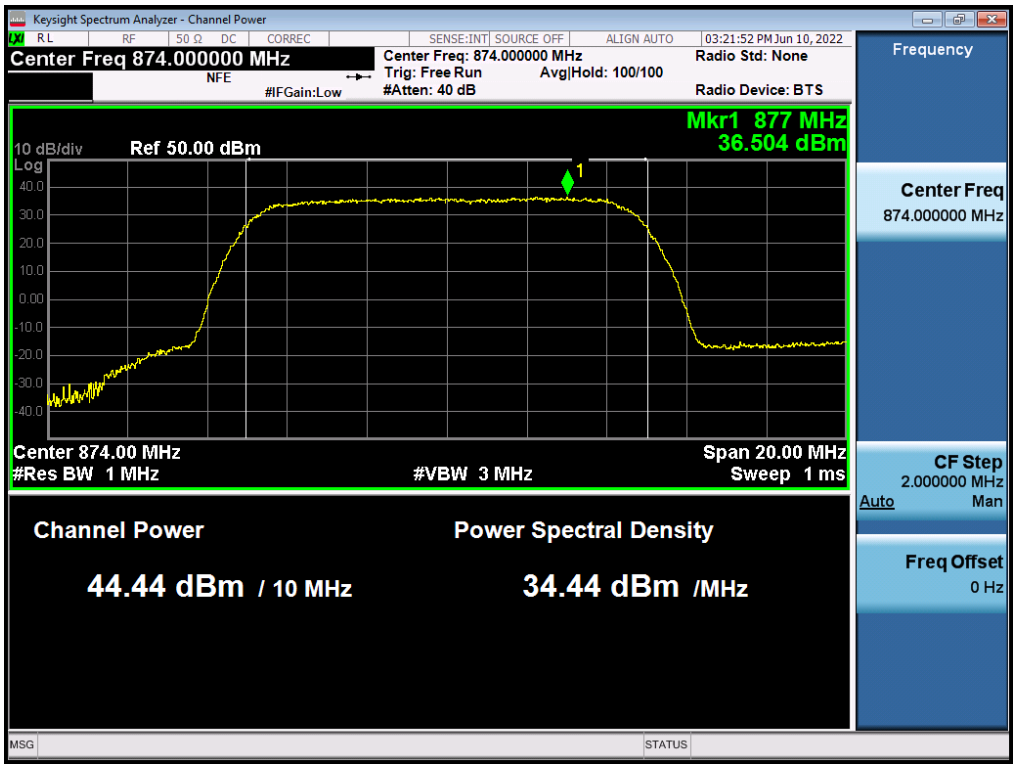


Antenna 0 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / Low

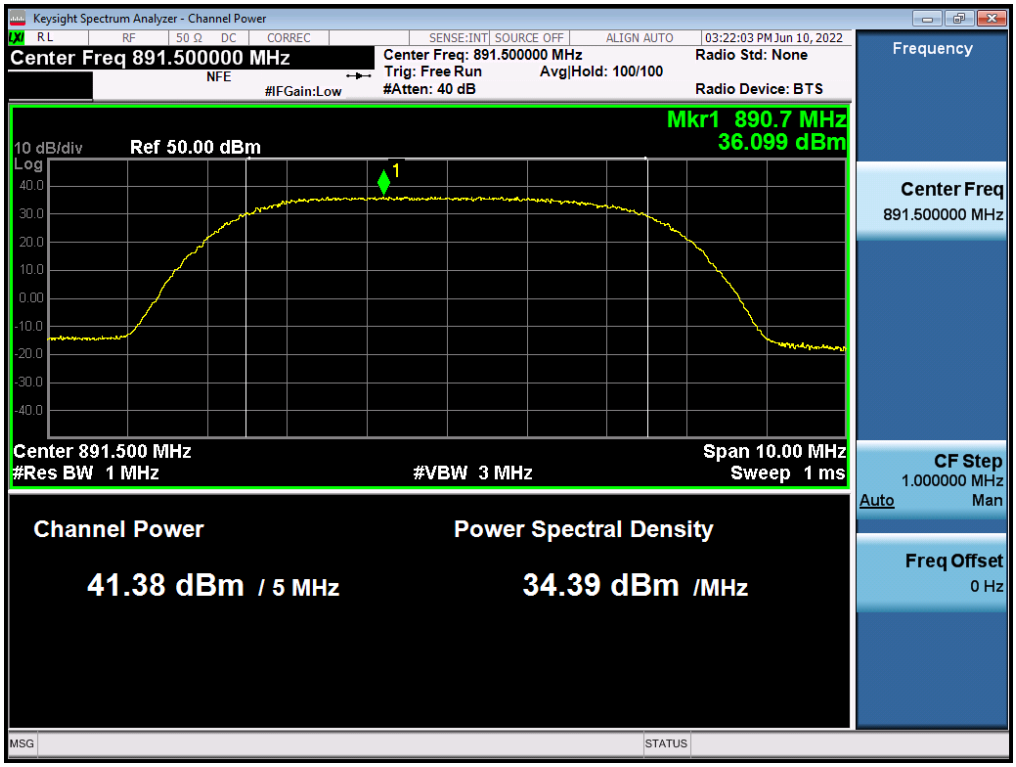
Antenna 0 / (4 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / LTE B5 5 MHz / 16QAM / High



Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low

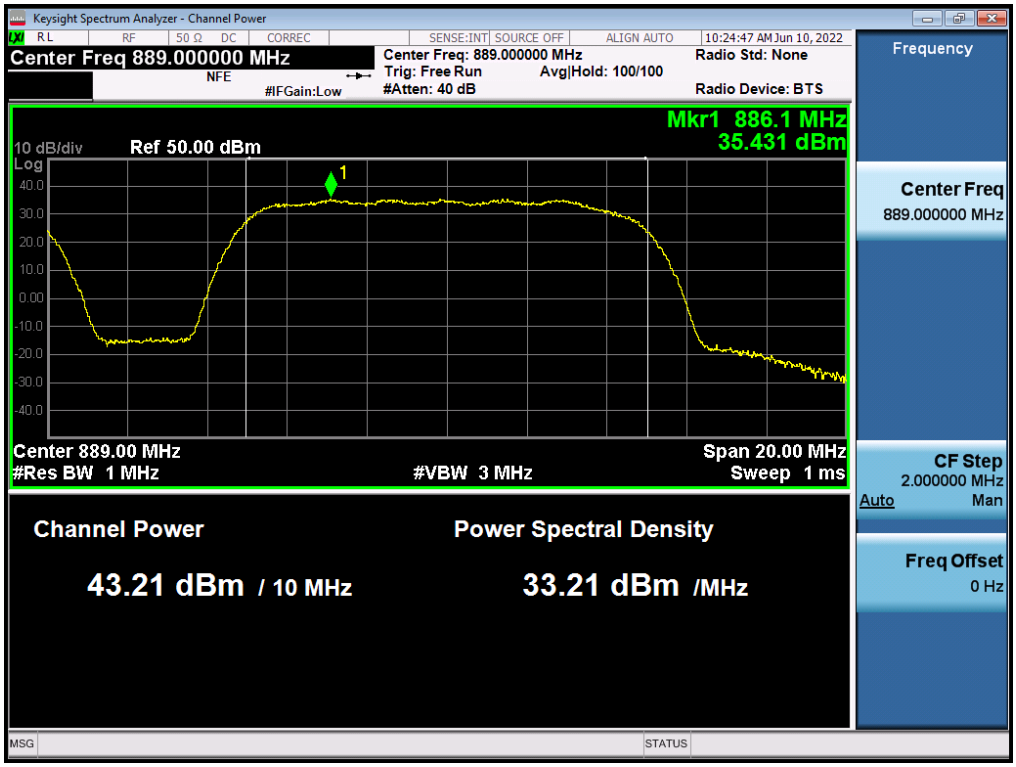


Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 5 MHz / 16QAM / High

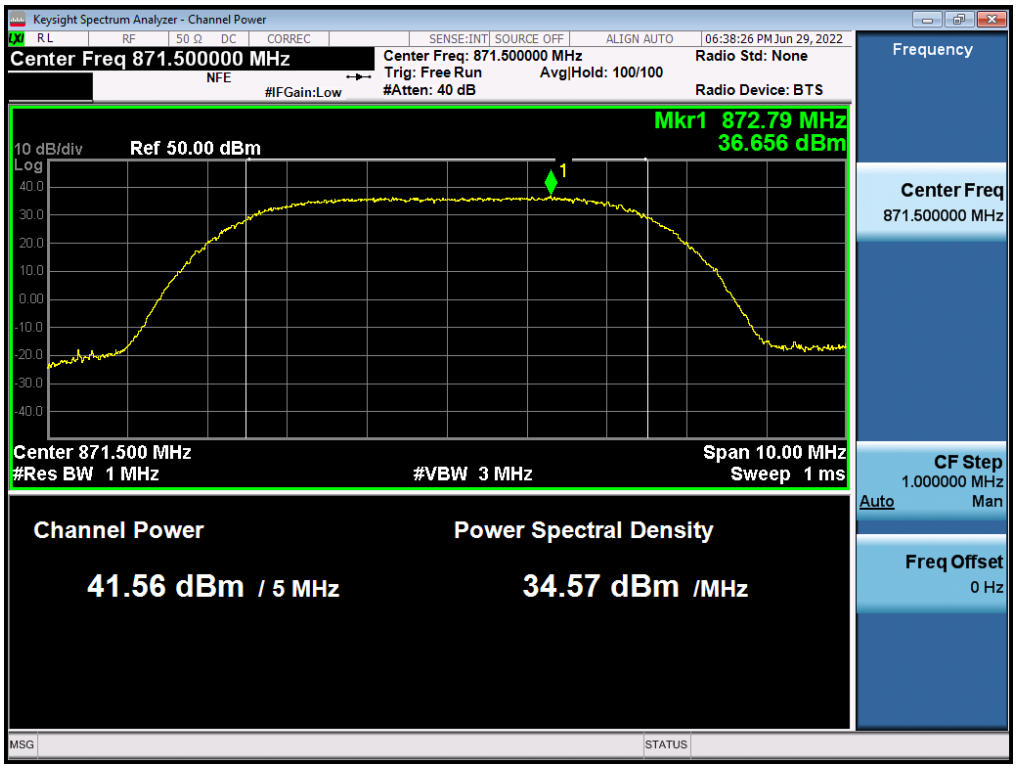


Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low

Antenna 3 / (4 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier] / Non-Contiguous / 5G NR n5 10 MHz / 16QAM / High

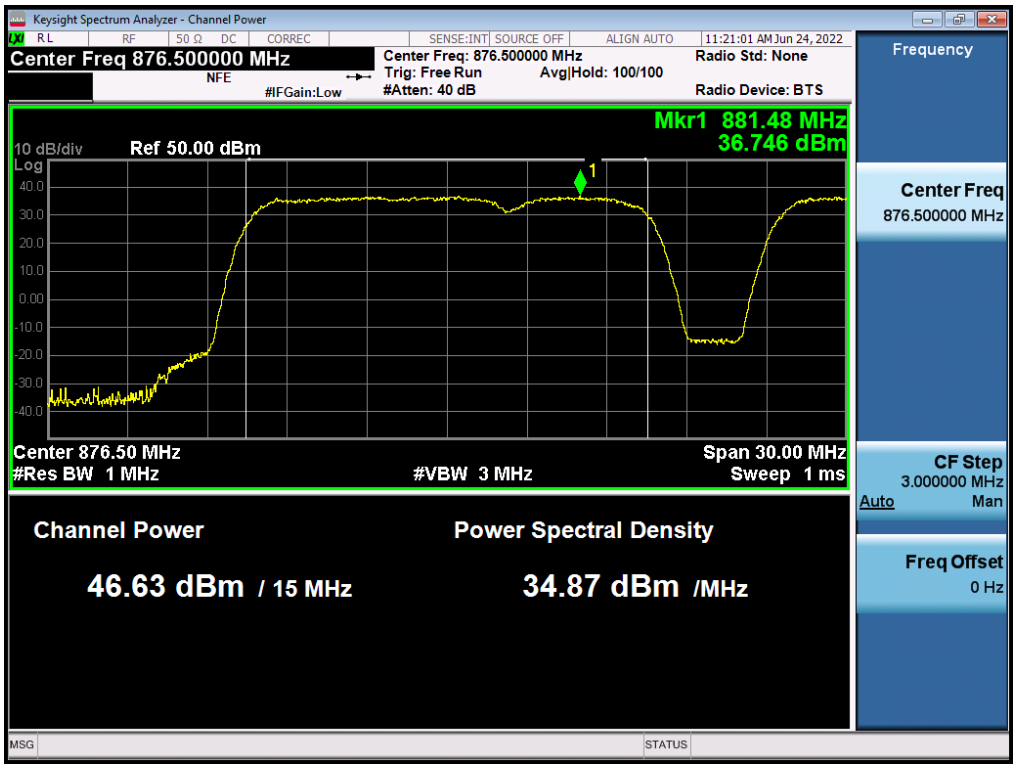


Antenna 0 / (2 Port)B5 LTE B5 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low

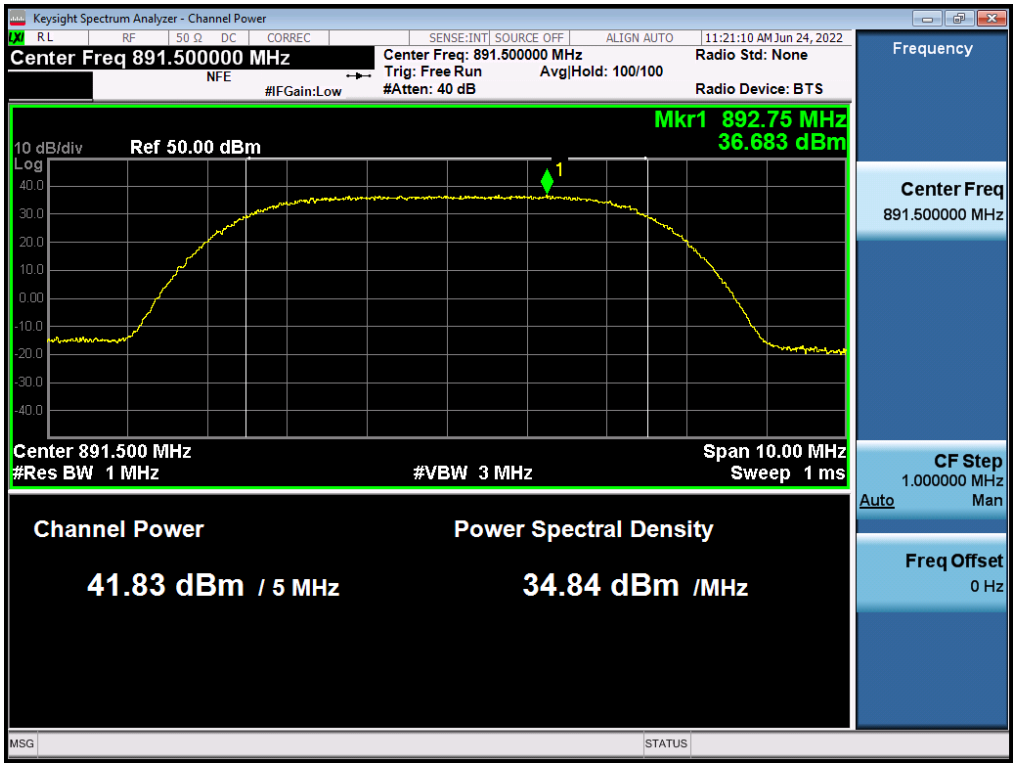


Antenna 0 / (2 Port)B5 LTE B5 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / 5G NR n5 5 MHz + LTE B5 5 MHz / 16QAM / High

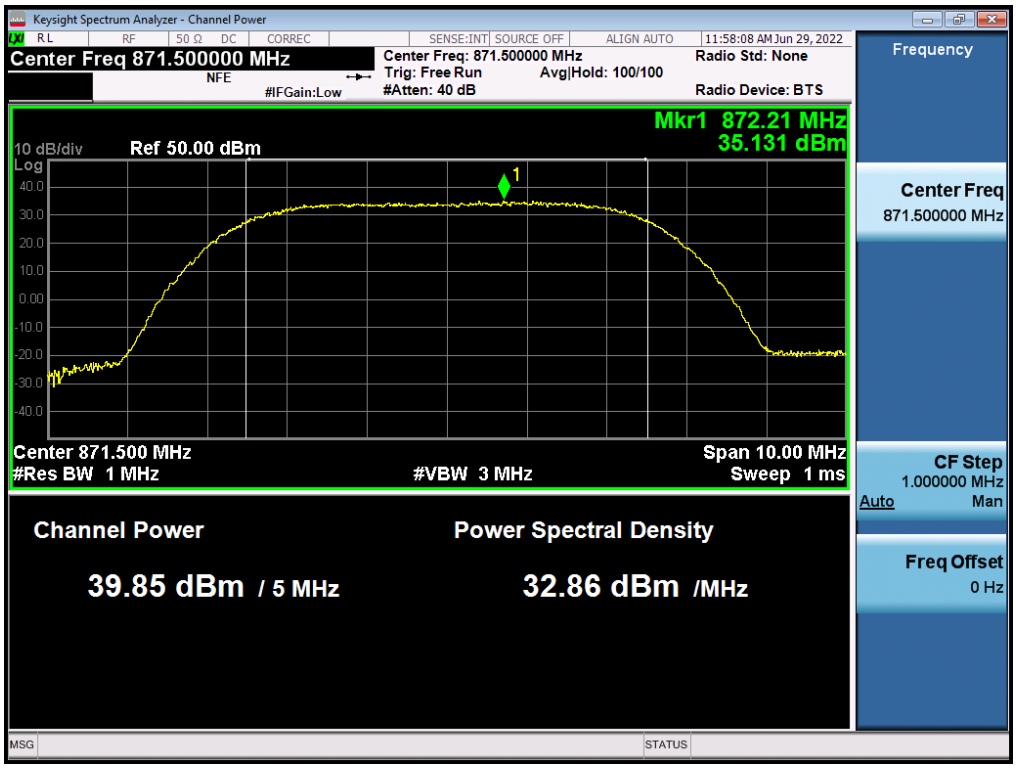
Antenna 1 / (2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / B5 DSS 10 MHz + 5G NR n5 5 MHz / 16QAM / Low



Antenna 1 / (2 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / LTE B5 5 MHz / 16QAM / High

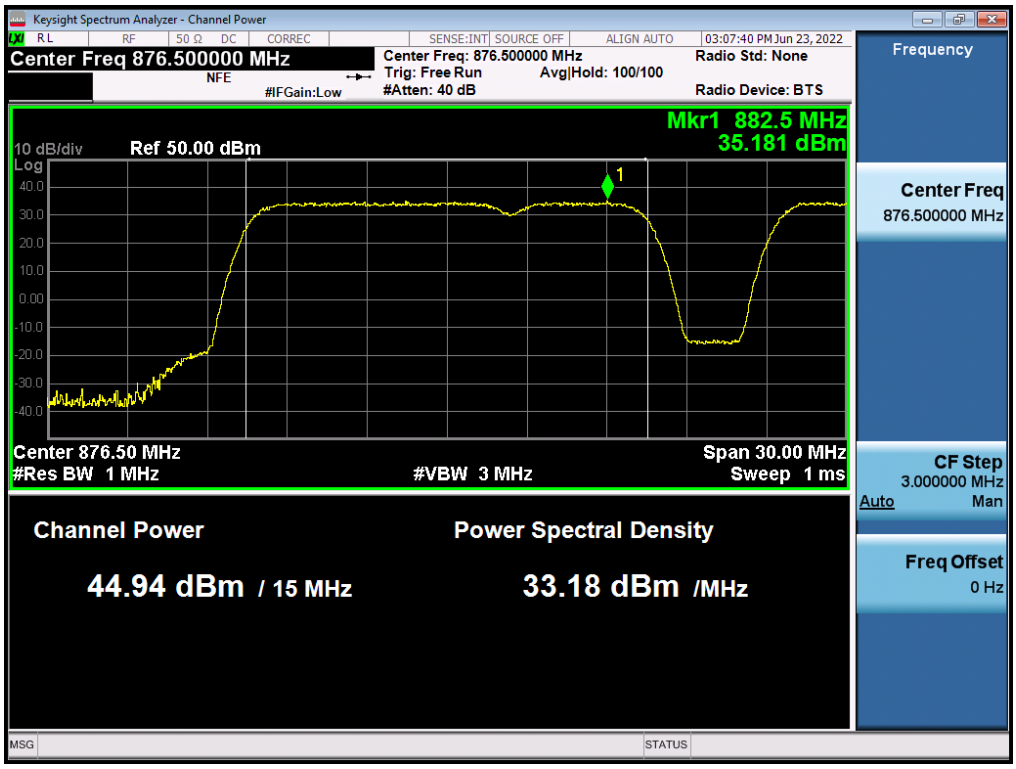


Antenna 0 / (4 Port)B5 LTE 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / B5 DSS 10 MHz / 16QAM / Low

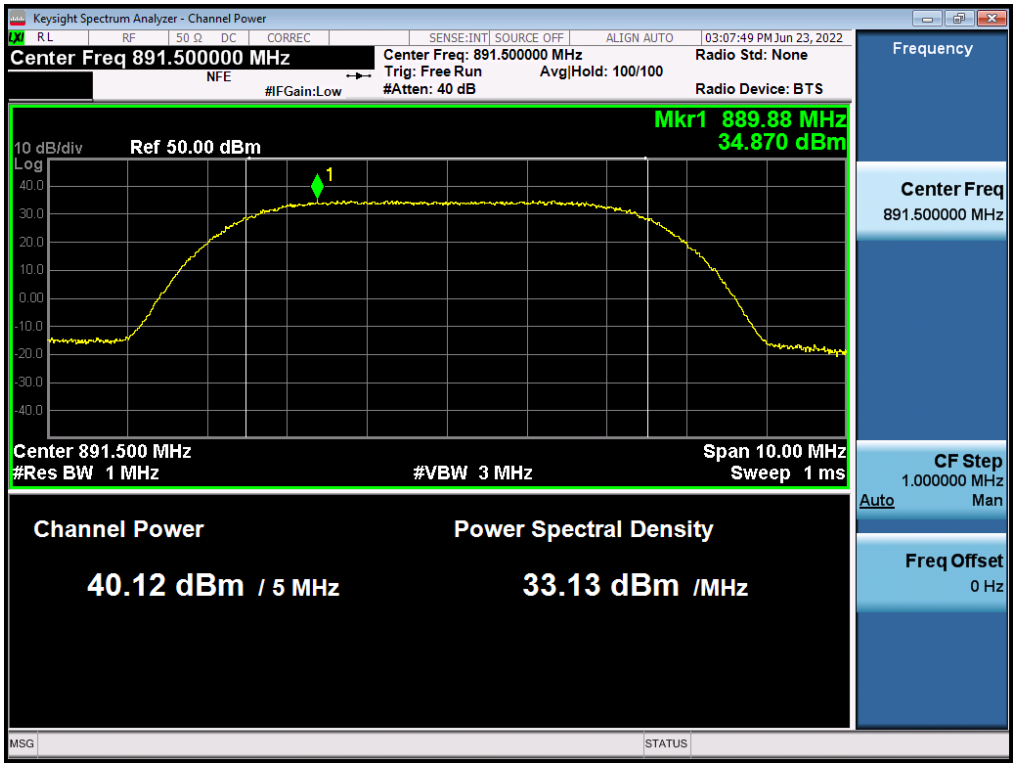


Antenna 0 / (4 Port)B5 LTE 5 MHz 1 Carrier + (5G NR n5 5 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier) [3 Carrier](1C+2C) / Non-Contiguous / 5G NR n5 5 MHz + LTE B5 5 MHz / 16QAM / High

Antenna 3 / (4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / B5 DSS 10 MHz + 5G NR n5 5 MHz / QPSK / Low



Antenna 3 / (4 Port)(B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier) + LTE B5 5 MHz 1 Carrier [3 Carrier](2C+1C) / Non-Contiguous / LTE B5 5 MHz / QPSK / High



5.2. PAPR

Test Requirements:

§ 22.913 Effective radiated power limits.

(d) *Power measurement.* Measurement of the ERP of Cellular base transmitters and repeaters must be made using an average power measurement technique. The peak-to-average ratio (PAR) of the transmission must not exceed 13 dB.

Test Procedures:

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

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

a) Set resolution/measurement bandwidth ≥ OBW or specified reference bandwidth.

b) Set the number of counts to a value that stabilizes the measured CCDF curve.

c) Set the measurement interval as follows:

   1) For continuous transmissions, set to the greater of [10 × (number of points in sweep) × (transmission symbol period)] or 1 ms.

   2) For burst transmissions, employ an external trigger that is synchronized with the EUT burst timing sequence, or use the internal burst trigger with a trigger level that allows the burst to stabilize. Set the measurement interval to a time that is less than or equal to the burst duration.

   3) If there are several carriers in a single antenna port, the peak power shall be determined for each individual carrier (by disabling the other carriers while measuring the required carrier) and the total peak power calculated from the sum of the individual carrier peak powers.

d) Record the maximum PAPR level associated with a probability of 0.1 %.

e) The peak power level is calculated form the sum of the PAPR value from step d) to the measured average power.

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

Tabular data of PAPR

(2 Port)5G NR n5 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	871.50	8.47
		Middle	881.50	8.42
		High	891.50	8.42
	16QAM	Low	871.50	8.39
		Middle	881.50	8.38
		High	891.50	8.34
	64QAM	Low	871.50	8.46
		Middle	881.50	8.45
		High	891.50	8.41
	256QAM	Low	871.50	8.47
		Middle	881.50	8.45
		High	891.50	8.41
1	QPSK	Low	871.50	8.47
		Middle	881.50	8.32
		High	891.50	8.40
	16QAM	Low	871.50	8.39
		Middle	881.50	8.35
		High	891.50	8.36
	64QAM	Low	871.50	8.43
		Middle	881.50	8.38
		High	891.50	8.34
	256QAM	Low	871.50	8.45
		Middle	881.50	8.40
		High	891.50	8.39

(2 Port)5G NR n5 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	7.58
		Middle	881.50	7.58
		High	889.00	7.59
	16QAM	Low	874.00	7.70
		Middle	881.50	7.58
		High	889.00	7.59
	64QAM	Low	874.00	7.60
		Middle	881.50	7.59
		High	889.00	7.59
	256QAM	Low	874.00	7.64
		Middle	881.50	7.59
		High	889.00	7.62
1	QPSK	Low	874.00	7.62
		Middle	881.50	7.60
		High	889.00	7.60
	16QAM	Low	874.00	7.68
		Middle	881.50	7.58
		High	889.00	7.59
	64QAM	Low	874.00	7.64
		Middle	881.50	7.60
		High	889.00	7.59
	256QAM	Low	874.00	7.65
		Middle	881.50	7.59
		High	889.00	7.59

(4 Port)5G NR n5 5 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	871.50	8.31
		Middle	881.50	8.46
		High	891.50	8.43
	16QAM	Low	871.50	8.42
		Middle	881.50	8.47
		High	891.50	8.49
	64QAM	Low	871.50	8.33
		Middle	881.50	8.48
		High	891.50	8.40
	256QAM	Low	871.50	8.33
		Middle	881.50	8.50
		High	891.50	8.39
1	QPSK	Low	871.50	8.30
		Middle	881.50	8.52
		High	891.50	8.37
	16QAM	Low	871.50	8.46
		Middle	881.50	8.48
		High	891.50	8.51
	64QAM	Low	871.50	8.34
		Middle	881.50	8.48
		High	891.50	8.39
	256QAM	Low	871.50	8.33
		Middle	881.50	8.52
		High	891.50	8.37

2	QPSK	Low	871.50	8.33
		Middle	881.50	8.42
		High	891.50	8.37
	16QAM	Low	871.50	8.52
		Middle	881.50	8.43
		High	891.50	8.41
	64QAM	Low	871.50	8.33
		Middle	881.50	8.48
		High	891.50	8.38
	256QAM	Low	871.50	8.35
		Middle	881.50	8.46
		High	891.50	8.38
3	QPSK	Low	871.50	8.27
		Middle	881.50	8.48
		High	891.50	8.34
	16QAM	Low	871.50	8.45
		Middle	881.50	8.43
		High	891.50	8.42
	64QAM	Low	871.50	8.35
		Middle	881.50	8.42
		High	891.50	8.40
	256QAM	Low	871.50	8.33
		Middle	881.50	8.46
		High	891.50	8.46

(4 Port)5G NR n5 10 MHz 1 Carrier

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.43
		Middle	881.50	8.35
		High	889.00	8.38
	16QAM	Low	874.00	8.34
		Middle	881.50	8.28
		High	889.00	8.34
	64QAM	Low	874.00	8.41
		Middle	881.50	8.37
		High	889.00	8.28
	256QAM	Low	874.00	8.34
		Middle	881.50	8.38
		High	889.00	8.24
1	QPSK	Low	874.00	8.37
		Middle	881.50	8.37
		High	889.00	8.19
	16QAM	Low	874.00	8.33
		Middle	881.50	8.29
		High	889.00	8.32
	64QAM	Low	874.00	8.34
		Middle	881.50	8.39
		High	889.00	8.21
	256QAM	Low	874.00	8.32
		Middle	881.50	8.41
		High	889.00	8.27

2	QPSK	Low	874.00	7.64
		Middle	881.50	7.59
		High	889.00	7.61
	16QAM	Low	874.00	7.63
		Middle	881.50	7.61
		High	889.00	7.59
	64QAM	Low	874.00	7.63
		Middle	881.50	7.61
		High	889.00	7.60
	256QAM	Low	874.00	7.63
		Middle	881.50	7.62
		High	889.00	7.59
3	QPSK	Low	874.00	7.60
		Middle	881.50	7.60
		High	889.00	7.61
	16QAM	Low	874.00	7.61
		Middle	881.50	7.62
		High	889.00	7.59
	64QAM	Low	874.00	7.65
		Middle	881.50	7.60
		High	889.00	7.62
	256QAM	Low	874.00	7.66
		Middle	881.50	7.61
		High	889.00	7.63

Tabular data of Contiguous PAPR

(2 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.00
		Middle	881.50	8.01
		High	889.00	7.97
	16QAM	Low	874.00	8.01
		Middle	881.50	8.01
		High	889.00	7.93
	64QAM	Low	874.00	7.97
		Middle	881.50	7.97
		High	889.00	7.98
	256QAM	Low	874.00	7.98
		Middle	881.50	7.97
		High	889.00	7.99
1	QPSK	Low	874.00	7.99
		Middle	881.50	7.98
		High	889.00	7.99
	16QAM	Low	874.00	8.02
		Middle	881.50	8.05
		High	889.00	8.03
	64QAM	Low	874.00	7.99
		Middle	881.50	7.99
		High	889.00	8.02
	256QAM	Low	874.00	7.96
		Middle	881.50	8.02
		High	889.00	7.99

(2 Port)5G NR n5 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	7.99
		Middle	881.50	7.97
		High	884.00	7.96
	16QAM	Low	879.00	7.99
		Middle	881.50	7.96
		High	884.00	7.93
	64QAM	Low	879.00	8.01
		Middle	881.50	7.98
		High	884.00	7.94
	256QAM	Low	879.00	7.98
		Middle	881.50	7.98
		High	884.00	7.96
1	QPSK	Low	879.00	7.99
		Middle	881.50	7.97
		High	884.00	7.96
	16QAM	Low	879.00	7.98
		Middle	881.50	7.96
		High	884.00	7.97
	64QAM	Low	879.00	7.99
		Middle	881.50	7.95
		High	884.00	7.95
	256QAM	Low	879.00	8.29
		Middle	881.50	7.98
		High	884.00	7.97

(2 Port)B5 DSS 10 MHz 1 Carrier + B5 DSS 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.03
		Middle	881.50	8.03
		High	884.00	8.07
	16QAM	Low	879.00	8.05
		Middle	881.50	8.06
		High	884.00	8.04
	64QAM	Low	879.00	8.03
		Middle	881.50	8.03
		High	884.00	8.06
	256QAM	Low	879.00	8.02
		Middle	881.50	8.03
		High	884.00	8.06
1	QPSK	Low	879.00	8.04
		Middle	881.50	8.03
		High	884.00	8.07
	16QAM	Low	879.00	8.02
		Middle	881.50	8.06
		High	884.00	8.07
	64QAM	Low	879.00	8.03
		Middle	881.50	8.04
		High	884.00	8.06
	256QAM	Low	879.00	8.07
		Middle	881.50	8.04
		High	884.00	8.10

(2 Port)5G NR n5 5 MHz 1 Carrier + LTE B5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	7.67
		Middle	881.50	7.96
		High	889.00	7.99
	16QAM	Low	874.00	8.01
		Middle	881.50	8.03
		High	889.00	7.97
	64QAM	Low	874.00	7.66
		Middle	881.50	7.96
		High	889.00	7.99
	256QAM	Low	874.00	7.65
		Middle	881.50	8.00
		High	889.00	7.94
1	QPSK	Low	874.00	7.96
		Middle	881.50	7.96
		High	889.00	7.95
	16QAM	Low	874.00	7.99
		Middle	881.50	8.01
		High	889.00	8.01
	64QAM	Low	874.00	7.98
		Middle	881.50	8.04
		High	889.00	7.99
	256QAM	Low	874.00	7.99
		Middle	881.50	8.02
		High	889.00	8.01

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	876.50	8.05
		Middle	881.50	8.03
		High	886.50	8.04
	16QAM	Low	876.50	8.05
		Middle	881.50	8.04
		High	886.50	8.04
	64QAM	Low	876.50	8.05
		Middle	881.50	8.02
		High	886.50	8.04
	256QAM	Low	876.50	8.06
		Middle	881.50	8.05
		High	886.50	8.03
1	QPSK	Low	876.50	7.99
		Middle	881.50	8.03
		High	886.50	8.08
	16QAM	Low	876.50	8.02
		Middle	881.50	8.03
		High	886.50	8.07
	64QAM	Low	876.50	8.00
		Middle	881.50	8.00
		High	886.50	8.07
	256QAM	Low	876.50	8.02
		Middle	881.50	8.01
		High	886.50	8.10

(2 Port)B5 DSS 10 MHz 1 Carrier + 5G NR n5 10 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	879.00	8.02
		Middle	881.50	8.00
		High	884.00	8.03
	16QAM	Low	879.00	8.04
		Middle	881.50	8.01
		High	884.00	8.02
	64QAM	Low	879.00	8.01
		Middle	881.50	7.98
		High	884.00	8.03
	256QAM	Low	879.00	8.01
		Middle	881.50	8.01
		High	884.00	8.02
1	QPSK	Low	879.00	8.00
		Middle	881.50	8.01
		High	884.00	8.00
	16QAM	Low	879.00	8.03
		Middle	881.50	8.04
		High	884.00	8.01
	64QAM	Low	879.00	8.01
		Middle	881.50	8.01
		High	884.00	8.01
	256QAM	Low	879.00	8.01
		Middle	881.50	8.00
		High	884.00	8.00

(4 Port)5G NR n5 5 MHz 1 Carrier + 5G NR n5 5 MHz 1 Carrier [2 Carrier]

Ant.	Modulation	Channel	Frequency (MHz)	0.1 % PAPR (dB)
0	QPSK	Low	874.00	8.40
		Middle	881.50	8.38
		High	889.00	8.40
	16QAM	Low	874.00	8.34
		Middle	881.50	8.39
		High	889.00	8.37
	64QAM	Low	874.00	8.38
		Middle	881.50	8.40
		High	889.00	8.39
	256QAM	Low	874.00	8.41
		Middle	881.50	8.39
		High	889.00	8.38
1	QPSK	Low	874.00	8.38
		Middle	881.50	8.46
		High	889.00	8.35
	16QAM	Low	874.00	8.34
		Middle	881.50	8.39
		High	889.00	8.48
	64QAM	Low	874.00	8.34
		Middle	881.50	8.44
		High	889.00	8.39
	256QAM	Low	874.00	8.36
		Middle	881.50	8.43
		High	889.00	8.35