

TEST REPORT

FCC Test for RF4801d-25A
Class II Permissive Change

APPLICANT
SAMSUNG Electronics Co., Ltd.

REPORT NO.
HCT-RF-2602-FC001-R1

DATE OF ISSUE
February 20, 2026

Tested by
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Applicant

SAMSUNG Electronics Co., Ltd.

129, Samsung-ro, Yeongtong-gu, Suwon-si, Gyeonggi-do, 16677, Rep. of Korea

Product Name

RRU(RF4801d)

Model Name

RF4801d-25A

FCC ID

A3LRF4801D-25A

Date of Test

December 05, 2025 ~ February 06, 2026

Location of Test

☒ Permanent Testing Lab ☐ On Site Testing

(Address: 74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic of Korea)

Test Standard Used

CFR 47 Part 2, Part 24, Part 27

Test Results

PASS

REVISION HISTORY

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

Revision No.	Date of Issue	Description
0	February 09, 2026	Initial Release
1	February 20, 2026	Added note in Section 5.2 clarifying RBW setting limitation due to spectrum analyzer bandwidth steps and confirming compliance with test procedure ($RBW \geq OBW$).

Notice

Content

Engineering Statement:

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.

The results shown in this test report only apply to the sample(s), as received, provided by the applicant, unless otherwise stated.

The test results have only been applied with the test methods required by the standard(s).

The laboratory is not accredited for the test results marked *.

Information provided by the applicant is marked **.

Test results provided by external providers are marked ***.

When confirmation of authenticity of this test report is required, please contact www.hct.co.kr

The test results in this test report are not associated with the ((KS Q) ISO/IEC 17025) accreditation by KOLAS (Korea Laboratory Accreditation Scheme) / A2LA (American Association for Laboratory Accreditation) that are under the ILAC (International Laboratory Accreditation Cooperation) Mutual Recognition Agreement (MRA).

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1. GENERAL INFORMATION

1.1. APPLICANT INFORMATION

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

1.2. PRODUCT INFORMATION

EUT Type	RRU(RF4801d)			
EUT Serial Number	S61V410906, S61V410913			
Power Supply	DC: -48 V			
Frequency Range	Band/n25: 1 930 MHz ~ 1 995 MHz Band/n66: 2 110 MHz ~ 2 180 MHz			
Modulation Type	QPSK, 16QAM, 64QAM, 256QAM			
Output Power	Band	Carrier	Bandwidth	Power
	(4 Port) B25 DSS	1	10 MHz	60 W/path, Total: 240 W
	(4 Port) B25 DSS	1	15 MHz	60 W/path, Total: 240 W
	(4 Port) B25 DSS	1	20 MHz	80 W/path, Total: 320 W
	(4 Port) B66 DSS	1	10 MHz	60 W/path, Total: 240 W
	(4 Port) B66 DSS	1	15 MHz	60 W/path, Total: 240 W
	(4 Port) B66 DSS	1	20 MHz	80 W/path, Total: 320 W
	(4 Port) B25 DSS + B25 LTE	2	10 MHz + 5 MHz	60 W/path, Total: 240 W
	(4 Port) B25 DSS + B25 LTE	2	20 MHz + 10 MHz	80 W/path, Total: 320 W
	(4 Port) B25 DSS + n25 5G NR	2	10 MHz + 5 MHz	60 W/path, Total: 240 W
	(4 Port) B25 DSS + n25 5G NR	2	10 MHz + 20 MHz	80 W/path, Total: 320 W
	(4 Port) B66 DSS + B66 LTE	2	10 MHz + 5 MHz	60 W/path, Total: 240 W
	(4 Port) B66 DSS + n66 5G NR	2	10 MHz + 5 MHz	60 W/path, Total: 240 W
	(4 Port) B66 DSS + n66 5G NR + B66 LTE	3	10 MHz + 5 MHz + 5 MHz	80 W/path, Total: 320 W
	(4 Port) B66 DSS + B66 LTE + B66 LTE + B66 LTE	4	20 MHz + 10 MHz + 10 MHz + 20 MHz	100 W/path, Total: 400 W
	(4 Port) B66 DSS + n66 5G NR + n66 5G NR + B66 LTE	4	20 MHz + 10 MHz + 25 MHz + 5 MHz	100 W/path, Total: 400 W
	(4 Port) B66 DSS + n66 5G NR + n66 5G NR + n66 5G NR	4	15 MHz + 10 MHz + 10 MHz + 25 MHz	100 W/path, Total: 400 W

	Band	Bandwidth	Emission Designator			
			QPSK (G7D)	Conducted (W)	16/64/256 QAM (W7D)	Conducted (W)
Emission Designator	(4 Port) B25 DSS	10 MHz	9M33G7D	231.86	9M34W7D	229.07
	(4 Port) B25 DSS	15 MHz	14M1G7D	229.54	14M2W7D	228.96
	(4 Port) B25 DSS	20 MHz	19M0G7D	298.40	19M0W7D	301.09
	(4 Port) B66 DSS	10 MHz	9M32G7D	246.43	9M32W7D	250.24
	(4 Port) B66 DSS	15 MHz	14M2G7D	243.04	14M2W7D	245.57
	(4 Port) B66 DSS	20 MHz	19M0G7D	319.74	19M0W7D	321.10
	(4 Port) B25 DSS + B25 LTE (Contiguous)	10 MHz + 5 MHz	14M4G7D	235.38	14M4W7D	228.52
	(4 Port) B25 DSS + B25 LTE (Contiguous)	20 MHz + 10 MHz	29M0G7D	299.37	29M0W7D	299.34
	(4 Port) B25 DSS + n25 5G NR (Contiguous)	10 MHz + 5 MHz	14M4G7D	233.43	14M4W7D	230.79
	(4 Port) B25 DSS + n25 5G NR (Contiguous)	10 MHz + 20 MHz	29M1G7D	308.66	29M1W7D	312.57
	(4 Port) B66 DSS + B66 LTE (Contiguous)	10 MHz + 5 MHz	14M4G7D	241.93	14M4W7D	244.02
	(4 Port) B66 DSS + n66 5G NR (Contiguous)	10 MHz + 5 MHz	14M4G7D	240.08	14M4W7D	245.13
	(4 Port) B66 DSS + n66 5G NR + B66 LTE (Contiguous)	10 MHz + 5 MHz + 5 MHz	19M4G7D	317.00	19M4W7D	316.65
	(4 Port) B66 DSS + B66 LTE + B66 LTE (Contiguous)	20 MHz + 10 MHz + 10 MHz + 20 MHz	58M3G7D	386.74	58M3W7D	382.02
	(4 Port) B66 DSS + n66 5G NR + n66 5G NR + B66 LTE (Contiguous)	20 MHz + 10 MHz + 25 MHz + 5 MHz	59M0G7D	367.82	59M1W7D	371.95
	(4 Port) B66 DSS + n66 5G NR + n66 5G NR + n66 5G NR (Contiguous)	15 MHz + 10 MHz + 10 MHz + 25 MHz	58M8G7D	391.21	58M8W7D	394.31
	(4 Port) B25 DSS + B25 LTE (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	222.77	13M8W7D	224.71
	(4 Port) B66 DSS + n66 5G NR (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	209.14	13M8W7D	211.04
	(4 Port) B25 DSS + B25 LTE (Non-Contiguous)	20 MHz + 10 MHz	27M9G7D	289.51	28M0W7D	299.49
	(4 Port) B25 DSS + n25 5G NR (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	222.16	13M8W7D	222.90
	(4 Port) B25 DSS + n25 5G NR (Non-Contiguous)	10 MHz + 20 MHz	28M3G7D	310.73	28M3W7D	315.24
	(4 Port) B66 DSS + B66 LTE (Non-Contiguous)	10 MHz + 5 MHz	13M8G7D	218.76	13M8W7D	216.22
	(4 Port) B66 DSS + n66 5G NR + B66 LTE (1C+2C)(Non-Contiguous)	10 MHz + 5 MHz + 5 MHz	18M8G7D	294.02	18M8W7D	286.63
	(4 Port) B66 DSS + n66 5G NR + B66 LTE (2C+1C)(Non-Contiguous)	10 MHz + 5 MHz + 5 MHz	18M9G7D	281.61	18M9W7D	284.26
	(4 Port) B66 DSS + B66 LTE + B66 LTE + B66 LTE (1C+3C)(Non-Contiguous)	20 MHz + 10 MHz + 10 MHz + 20 MHz	57M3G7D	376.85	57M4W7D	383.28
	(4 Port) B66 DSS + B66 LTE + B66 LTE + B66 LTE (3C+1C)(Non-Contiguous)	20 MHz + 10 MHz + 10 MHz + 20 MHz	56M8G7D	379.96	56M9W7D	375.50
	(4 Port) B66 DSS + n66 5G NR + n66 5G NR + B66 LTE (1C+3C)(Non-Contiguous)	20 MHz + 10 MHz + 25 MHz + 5 MHz	58M3G7D	366.03	58M2W7D	370.03
	(4 Port) B66 DSS + n66 5G NR + n66 5G NR + B66 LTE (3C+1C)(Non-Contiguous)	20 MHz + 10 MHz + 25 MHz + 5 MHz	58M4G7D	364.89	58M3W7D	368.02
	(4 Port) B66 DSS + n66 5G NR + n66 5G NR + n66 5G NR (1C+3C)(Non-Contiguous)	15 MHz + 10 MHz + 10 MHz + 25 MHz	58M1G7D	388.20	58M1W7D	387.39
	(4 Port) B66 DSS + n66 5G NR + n66 5G NR + n66 5G NR (3C+1C)(Non-Contiguous)	15 MHz + 10 MHz + 10 MHz + 25 MHz	57M9G7D	358.74	57M9W7D	363.40
Antenna Specification	Manufacturer does not provide an antenna					

1.3. TEST INFORMATION

FCC Rule Parts	CFR 47 Part 2, Part 24, Part 27
Measurement standards	ANSI C63.26-2015, KDB 971168 D01 v03r01, KDB 662911 D01 v02r01
Test Location	74, Seoicheon-ro 578beon-gil, Majang-myeon, Icheon-si, Gyeonggi-do, Republic 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, Republic 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 March 11, 2024 (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 Part 2, Part 24, Part 27

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

Note: The decision rule applies ‘simple acceptance’.

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 modulation types (QPSK, 16QAM, 64QAM, 256QAM) supported by the EUT have been tested, and the test results presented in the following sections represent the worst-case conditions.
- All mode of operation, supporting bandwidth and frequencies were investigated. The test plots shown in the following sections represent the worst-case emissions.
- All power supplies used during operation were investigated, and the results of the worst-case configuration are reported.
- 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.
- The measurement has been performed for each carrier in the mode of full resource block size as worst-case to transmit maximum output power condition.
- The dummy loads were connected to the RF output ports for radiated spurious emission testing.
- The device was operating at 100 % duty cycle.
- ANT 0/1/2/3 in this report indicates the test results for each antenna number by frequency band, as shown below.

ANT No.	Measured ANT No. and Frequency Band	
ANT 0	ANT 1: Band/n66	ANT 5: Band/n25
ANT 1	ANT 2: Band/n66	ANT 6: Band/n25
ANT 2	ANT 3: Band/n66	ANT 7: Band/n25
ANT 3	ANT 4: Band/n66	ANT 8: Band/n25

- 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.

ANT 0

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
0.009	28.187	3 000	32.275
100	28.558	4 000	32.773
200	29.257	5 000	33.360
300	29.175	6 000	33.178
400	29.348	7 000	33.968
500	29.793	8 000	34.896
600	29.629	9 000	35.061
700	29.797	10 000	35.265
800	29.854	11 000	35.690
900	30.278	12 000	35.850
1 000	30.385	13 000	36.096
1 100	30.457	14 000	36.608
1 200	30.610	15 000	37.388
1 300	30.639	16 000	38.166
1 400	30.687	17 000	37.581
1 500	30.753	18 000	38.361
1 600	31.040	19 000	38.897
1 700	31.259	20 000	39.836
1 800	31.529	21 000	40.650
1 900	31.440	22 000	49.194
2 000	31.829	-	-
2 100	31.852	-	-
2 200	31.559	-	-
2 300	31.583	-	-
2 400	31.518	-	-
2 500	31.489	-	-
2 600	31.376	-	-
2 700	31.516	-	-
2 800	31.844	-	-
2 900	31.866	-	-

ANT 1

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
0.009	28.405	3 000	32.530
100	28.812	4 000	32.757
200	29.528	5 000	33.378
300	29.466	6 000	34.014
400	29.595	7 000	34.793
500	30.066	8 000	35.603
600	29.909	9 000	35.771
700	30.077	10 000	34.204
800	30.112	11 000	34.861
900	30.512	12 000	35.061
1 000	30.738	13 000	35.068
1 100	30.836	14 000	35.802
1 200	30.974	15 000	36.836
1 300	31.067	16 000	37.996
1 400	31.238	17 000	37.578
1 500	31.844	18 000	37.810
1 600	34.203	19 000	38.468
1 700	35.065	20 000	38.868
1 800	32.648	21 000	40.170
1 900	32.393	22 000	48.817
2 000	32.169	-	-
2 100	32.270	-	-
2 200	31.985	-	-
2 300	31.859	-	-
2 400	31.886	-	-
2 500	31.793	-	-
2 600	31.777	-	-
2 700	31.647	-	-
2 800	32.096	-	-
2 900	32.157	-	-

ANT 2

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
0.009	29.034	3 000	33.828
100	29.332	4 000	34.077
200	30.060	5 000	34.487
300	30.020	6 000	35.026
400	30.205	7 000	35.778
500	30.632	8 000	36.580
600	30.508	9 000	36.871
700	30.679	10 000	34.786
800	30.754	11 000	35.276
900	31.147	12 000	34.814
1 000	31.371	13 000	35.292
1 100	31.507	14 000	35.797
1 200	31.621	15 000	37.217
1 300	31.743	16 000	38.079
1 400	31.759	17 000	36.812
1 500	31.839	18 000	37.669
1 600	32.080	19 000	37.920
1 700	32.293	20 000	39.626
1 800	32.593	21 000	40.519
1 900	32.684	22 000	48.970
2 000	32.785	-	-
2 100	32.931	-	-
2 200	32.702	-	-
2 300	32.676	-	-
2 400	32.666	-	-
2 500	32.655	-	-
2 600	32.630	-	-
2 700	32.552	-	-
2 800	33.011	-	-
2 900	33.567	-	-

ANT 3

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
0.009	28.579	3 000	32.789
100	29.121	4 000	33.298
200	29.807	5 000	33.812
300	29.725	6 000	33.821
400	29.876	7 000	34.575
500	30.344	8 000	35.602
600	30.182	9 000	35.992
700	30.324	10 000	35.180
800	30.387	11 000	34.685
900	30.816	12 000	34.819
1 000	30.883	13 000	36.051
1 100	31.010	14 000	36.063
1 200	31.158	15 000	36.597
1 300	31.170	16 000	37.264
1 400	31.229	17 000	36.489
1 500	31.295	18 000	38.180
1 600	31.542	19 000	38.604
1 700	31.757	20 000	39.254
1 800	32.095	21 000	40.437
1 900	31.956	22 000	49.017
2 000	32.261	-	-
2 100	32.347	-	-
2 200	32.068	-	-
2 300	32.013	-	-
2 400	32.009	-	-
2 500	32.012	-	-
2 600	31.877	-	-
2 700	31.982	-	-
2 800	32.345	-	-
2 900	32.364	-	-

ANT 4

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
0.009	31.692	3 000	36.364
100	31.809	4 000	36.916
200	32.205	5 000	38.047
300	32.537	6 000	38.491
400	32.824	7 000	39.005
500	32.994	8 000	39.316
600	33.214	9 000	39.765
700	33.418	10 000	40.080
800	33.597	11 000	38.343
900	33.792	12 000	38.961
1 000	33.978	13 000	39.772
1 100	34.189	14 000	39.917
1 200	34.312	15 000	39.896
1 300	34.482	16 000	40.579
1 400	34.604	17 000	41.062
1 500	34.722	18 000	41.459
1 600	34.887	19 000	43.555
1 700	34.953	20 000	45.025
1 800	35.089	21 000	45.895
1 900	35.044	22 000	46.630
2 000	35.432	-	-
2 100	35.515	-	-
2 200	35.688	-	-
2 300	35.745	-	-
2 400	35.863	-	-
2 500	35.940	-	-
2 600	36.017	-	-
2 700	36.156	-	-
2 800	36.200	-	-
2 900	36.286	-	-

ANT 5

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
0.009	31.248	3 000	37.154
100	32.418	4 000	37.603
200	32.830	5 000	39.034
300	33.131	6 000	39.325
400	33.354	7 000	40.146
500	33.663	8 000	40.615
600	33.785	9 000	41.111
700	34.021	10 000	41.625
800	34.179	11 000	38.343
900	34.493	12 000	38.961
1 000	34.763	13 000	39.772
1 100	34.965	14 000	39.917
1 200	35.104	15 000	39.896
1 300	35.214	16 000	40.579
1 400	35.367	17 000	41.062
1 500	35.450	18 000	41.459
1 600	35.553	19 000	43.555
1 700	35.713	20 000	45.025
1 800	35.863	21 000	45.895
1 900	35.743	22 000	46.630
2 000	36.043	-	-
2 100	36.251	-	-
2 200	36.404	-	-
2 300	36.595	-	-
2 400	36.785	-	-
2 500	36.876	-	-
2 600	36.896	-	-
2 700	36.913	-	-
2 800	37.008	-	-
2 900	37.033	-	-

ANT 6

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
0.009	31.951	3 000	36.734
100	31.854	4 000	37.295
200	32.303	5 000	39.043
300	32.654	6 000	39.060
400	32.926	7 000	39.836
500	33.140	8 000	40.514
600	33.375	9 000	41.277
700	33.553	10 000	41.498
800	33.809	11 000	38.343
900	33.938	12 000	38.961
1 000	34.177	13 000	39.772
1 100	34.381	14 000	39.917
1 200	34.489	15 000	39.896
1 300	34.721	16 000	40.579
1 400	34.818	17 000	41.062
1 500	35.028	18 000	41.459
1 600	35.154	19 000	43.555
1 700	35.263	20 000	45.025
1 800	35.393	21 000	45.895
1 900	35.466	22 000	46.630
2 000	35.612	-	-
2 100	35.835	-	-
2 200	36.060	-	-
2 300	36.171	-	-
2 400	36.292	-	-
2 500	36.398	-	-
2 600	36.408	-	-
2 700	36.520	-	-
2 800	36.535	-	-
2 900	36.640	-	-

ANT 7

Correction factor table			
Frequency (MHz)	Factor (dB)	Frequency (MHz)	Factor (dB)
0.009	30.450	3 000	36.118
100	31.507	4 000	36.607
200	31.933	5 000	38.033
300	32.282	6 000	38.482
400	32.459	7 000	38.997
500	32.745	8 000	39.565
600	32.935	9 000	40.168
700	33.142	10 000	40.284
800	33.338	11 000	38.343
900	33.550	12 000	38.961
1 000	33.677	13 000	39.772
1 100	33.890	14 000	39.917
1 200	34.044	15 000	39.896
1 300	34.148	16 000	40.579
1 400	34.334	17 000	41.062
1 500	34.420	18 000	41.459
1 600	34.517	19 000	43.555
1 700	34.641	20 000	45.025
1 800	34.761	21 000	45.895
1 900	34.898	22 000	46.630
2 000	35.026	-	-
2 100	35.179	-	-
2 200	35.350	-	-
2 300	35.428	-	-
2 400	35.556	-	-
2 500	35.739	-	-
2 600	35.778	-	-
2 700	35.898	-	-
2 800	35.924	-	-
2 900	36.034	-	-

3.3. MAXIMUM MEASUREMENT UNCERTAINTY

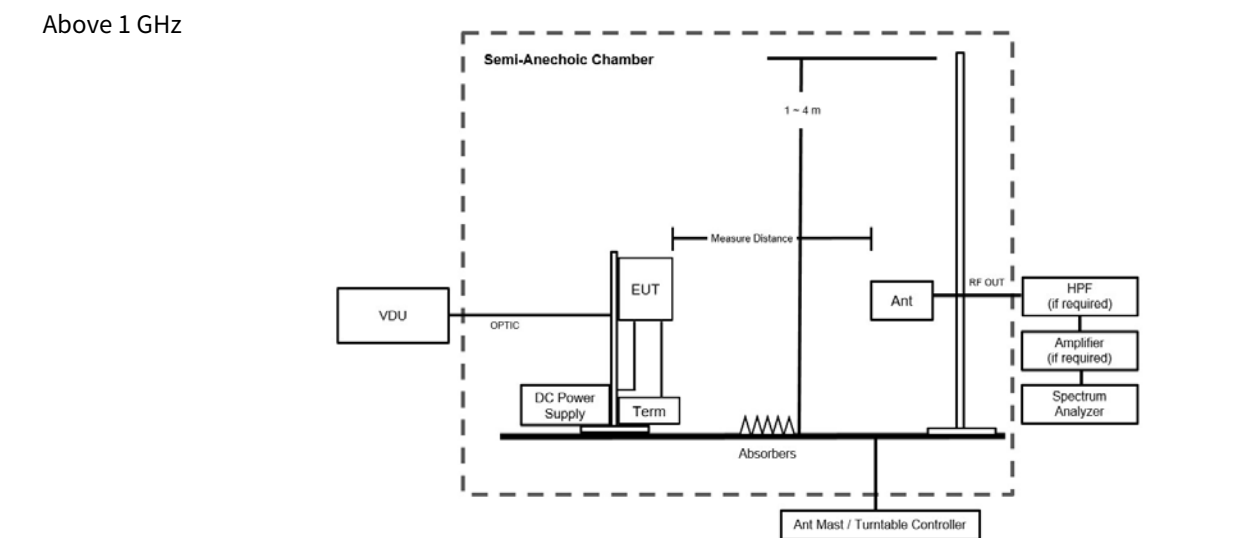
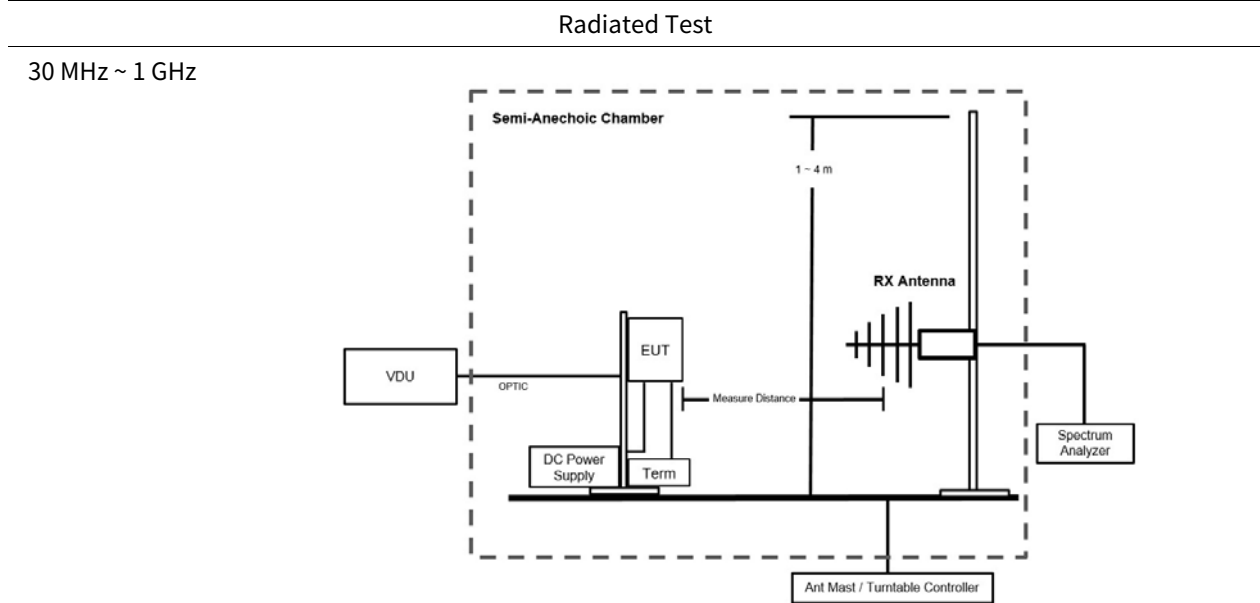
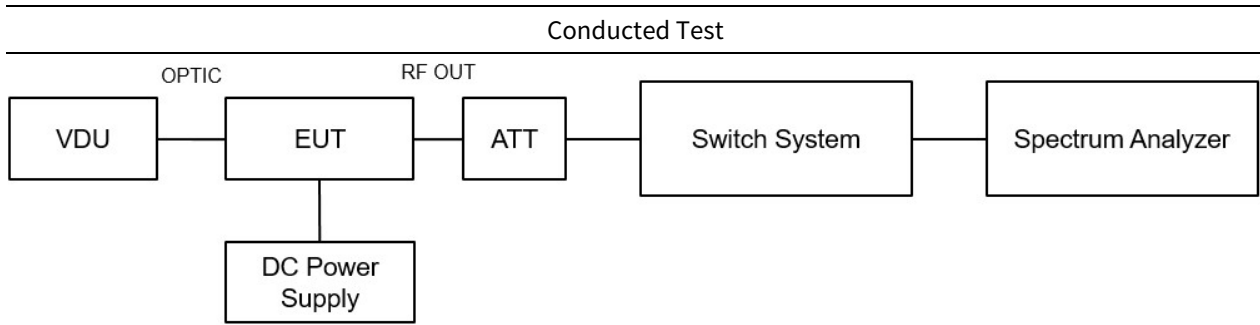
Description	Condition	Uncertainty
Radiated Disturbance	9 kHz ~ 30 MHz	± 4.36 dB
	30 MHz ~ 1 GHz	± 5.68 dB
	1 GHz ~ 18 GHz	± 5.75 dB
	18 GHz ~ 40 GHz	± 5.82 dB

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

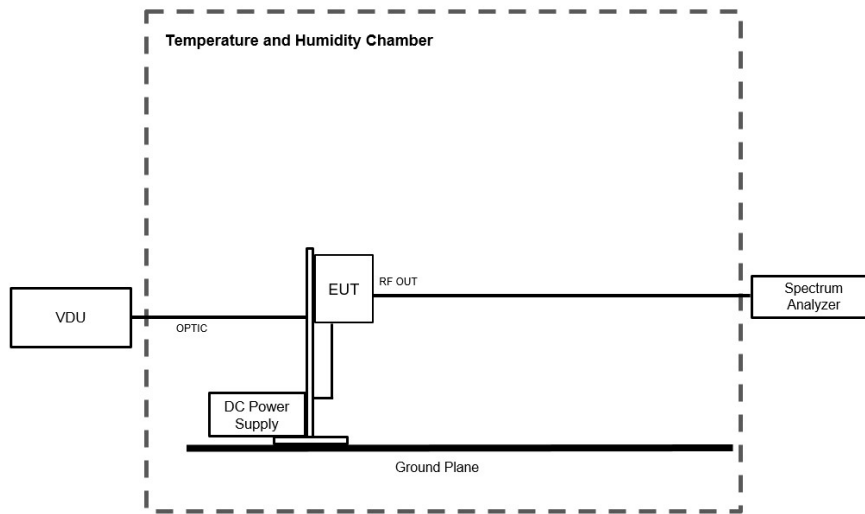
3.5. TEST DIAGRAMS



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

※ Measure distance is 3 m.

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	07/10/2026	Annual
MXA Signal Analyzer	N9020A	Agilent	MY51110063	03/21/2026	Annual
RF Switch System	TMX0108	TNM System	TM21110001	N/A	N/A
RF Switch System	TMX0132C4T	TNM System	TM20120001	N/A	N/A
#30 dB Attenuator	67-30-33	API Weinschel, Inc.	CL4341	04/29/2026	Annual
#30 dB Attenuator	WA93-30-33	Weinschel Associates	0190	03/11/2026	Annual
#50Ω Termination	908A	H.P.	N/A	N/A	N/A
DC Power Supply	EX 80-45	ODA	ODA-01-0923-10417	03/25/2026	Annual
DC Power Supply	6674A	H.P.	3637A01843	05/21/2026	Annual
Temperature and Humidity Chamber	NY-THR18750	NANGYEAL	NY-200912201A	12/16/2026	Annual
Amp & Filter Bank Switch Controller	FBSM-01B	TNM system	TM20090002	N/A	N/A
Controller(Antenna Mast & Turn Table)	CO3000	Innco system	CO3000/1251/48920320/P	N/A	N/A
Antenna Mast	MA4640	Innco system	S4AM	08/01/2026	Annual
Turn Table	1060	Innco system	N/A	N/A	N/A
Turn Table	N/A	Ets	N/A	N/A	N/A
Loop Antenna	FMZB 1513	Rohde & Schwarz	1513-333	06/23/2027	Biennial
BILOG Antenna	VULB 9168	Schwarzbeck	9168-0895	08/28/2026	Biennial
Horn Antenna	BBHA 9120D	Schwarzbeck	9120D-937	02/07/2027	Biennial
Horn Antenna	BBHA9170	Schwarzbeck	BBHA9170342	09/20/2026	Biennial
RF Switching System	FBSR-04C (3 GHz HPF + LNA)	TNM system	S4L1	03/12/2026	Annual
RF Switching System	FBSR-04C (10 dB ATT + LNA)	TNM system	S4L2	03/12/2026	Annual
RF Switching System	FBSR-04C (3 dB ATT + LNA)	TNM system	S4L3	03/12/2026	Annual
RF Switching System	FBSR-04C (LNA)	TNM system	S4L4	03/12/2026	Annual
RF Switching System	FBSR-04C (Thru)	TNM system	S4L6	03/12/2026	Annual
LOW NOISE AMPLIFIER	TK-PA1840H	TESTEK	170011-L	09/29/2026	Annual

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

Note: All test equipment was within its valid calibration period at the time of testing.

5. TEST RESULT

5.1. RF OUTPUT POWER and PSD

Test Requirements:

§ 2.1046 Measurements required: RF power output.

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

§ 24.232 Power and antenna height limits.

- (a) (2) Base stations with an emission bandwidth greater than 1 MHz are limited to 1640 watts/MHz equivalent isotropically radiated power (EIRP) with an antenna height up to 300 meters HAAT, except as described in paragraph (b) below.

§ 27.50 Power limits and duty cycle.

- (d) The following power and antenna height requirements apply to stations transmitting in the 1695-1710 MHz, 1710-1755 MHz, 1755-1780 MHz, 1915-1920 MHz, 1995-2000 MHz, 2000-2020 MHz, 2110-2155 MHz, 2155-2180 MHz and 2180-2200 MHz bands:
 - (2) The power of each fixed or base station transmitting in the 1995-2000 MHz, the 2110-2155 MHz 2155-2180 MHz band, or 2180-2200 MHz band and situated in any geographic location other than that described in paragraph (d)(1) of this section is limited to:
 - (ii) An EIRP of 1640 watts/MHz when transmitting with an emission bandwidth greater than 1 MHz.

Test Procedures:

The measurement is performed in accordance with Section 5.2.4.4.2 of ANSI C63.26.

When the fundamental condition for average power measurements cannot be realized (i.e., the EUT cannot be configured to transmit at full-power on a continuous basis (i.e., duty cycle < 98%) and the instrumentation cannot be configured to measure only during active full-power transmissions), then the following procedure can be used if the EUT duty cycle is constant (i.e., duty cycle variations are less than or equal to $\pm 2\%$). See 5.2.4.3.4 for guidance on measurement of duty cycle.

- a) Set span to $2 \times$ to $3 \times$ the OBW.
- b) Set RBW = 1 % to 5 % of the OBW.
- c) Set VBW $\geq 3 \times$ RBW.
- d) Set number of measurement points in sweep $\geq 2 \times$ span / RBW.
- e) Sweep time:
 - 1) Set = auto-couple, or
 - 2) Set $\geq [10 \times (\text{number of points in sweep}) \times (\text{transmission symbol period})]$ for single sweep (automation-compatible) measurement.
- f) Detector = power averaging (rms).
- g) Set sweep trigger to “free run.”
- h) 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 the on and off time of the transmitter, 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.
- i) Compute power by integrating the spectrum across the OBW of the signal using the instrument’s band or channel power measurement function with band/channel limits set equal to the OBW band edges. If the instrument does not have a band or channel power function, sum the spectrum levels (in linear power units) at intervals equal to the RBW extending across the entire OBW of the spectrum.
- j) Add $10 \log (1/\text{duty cycle})$ to the measured power level to compute the average power during continuous transmission. For example, add $[10 \log (1/0.25)] = 6 \text{ dB}$ if the duty cycle is a constant 25%.

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

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

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

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

Notes:

1. The results of the Conducted Output Power and PSD tests show a similar trend across all ports, and all measured levels fall within the allowable tolerance; therefore, only the worst-case plots are attached.
2. According to the test results, to comply with the EIRP limit of the applicable specification, the antenna gain should be no more than 14.72 dBi. However, if a higher gain antenna is used, the output power should be reduced accordingly to maintain compliance.

Tabular Data by DSS Ratio

(4 Port) B25 DSS 10 MHz 1 Carrier 2to8

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	1 962.50	47.22	52.70
	16QAM	Middle	1 962.50	47.01	50.25
	64QAM	Middle	1 962.50	47.06	50.86
	256QAM	Middle	1 962.50	47.02	50.38

(4 Port) B25 DSS 10 MHz 1 Carrier 3to7

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	1 962.50	46.98	49.88
	16QAM	Middle	1 962.50	46.99	49.98
	64QAM	Middle	1 962.50	46.96	49.70
	256QAM	Middle	1 962.50	47.00	50.06

(4 Port) B25 DSS 10 MHz 1 Carrier 4to6

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	1 962.50	46.99	50.01
	16QAM	Middle	1 962.50	46.92	49.15
	64QAM	Middle	1 962.50	46.89	48.90
	256QAM	Middle	1 962.50	47.00	50.11

(4 Port) B25 DSS 10 MHz 1 Carrier 5to5

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	1 962.50	46.88	48.78
	16QAM	Middle	1 962.50	46.88	48.71
	64QAM	Middle	1 962.50	46.93	49.29
	256QAM	Middle	1 962.50	46.89	48.89

(4 Port) B25 DSS 10 MHz 1 Carrier 6to4

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	1 962.50	46.83	48.16
	16QAM	Middle	1 962.50	46.88	48.79
	64QAM	Middle	1 962.50	46.87	48.67
	256QAM	Middle	1 962.50	46.97	49.83

(4 Port) B25 DSS 10 MHz 1 Carrier 7to3

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	1 962.50	46.86	48.51
	16QAM	Middle	1 962.50	46.88	48.79
	64QAM	Middle	1 962.50	46.90	48.98
	256QAM	Middle	1 962.50	46.88	48.76

(4 Port) B25 DSS 10 MHz 1 Carrier 8to2

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	1 962.50	46.83	48.23
	16QAM	Middle	1 962.50	46.85	48.37
	64QAM	Middle	1 962.50	46.80	47.87
	256QAM	Middle	1 962.50	46.87	48.61

(4 Port) B25 DSS 10 MHz 1 Carrier 9to1

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	1 962.50	46.86	48.50
	16QAM	Middle	1 962.50	46.83	48.23
	64QAM	Middle	1 962.50	46.89	48.84
	256QAM	Middle	1 962.50	46.89	48.85

Notes:

- Measurements were performed for all DSS ratios, all channels, and all modulation schemes. Only the middle-channel values of port 0 are listed for each ratio.
- All results for the DSS ratios are within the power tolerance.
- This report includes only the results for the worst-case ratio, LTE:NR = 2:8.
In the multi-carrier mode addressed in this report, the worst-case LTE:5G NR ratio (2:8) was applied based on the test results obtained from the single-carrier DSS mode.

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	2 145.00	47.17	52.08
	16QAM	Middle	2 145.00	47.22	52.67
	64QAM	Middle	2 145.00	47.22	52.71
	256QAM	Middle	2 145.00	47.17	52.11

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	2 145.00	47.13	51.59
	16QAM	Middle	2 145.00	47.16	52.05
	64QAM	Middle	2 145.00	47.13	51.64
	256QAM	Middle	2 145.00	47.12	51.53

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	2 145.00	47.10	51.32
	16QAM	Middle	2 145.00	47.08	51.10
	64QAM	Middle	2 145.00	47.14	51.74
	256QAM	Middle	2 145.00	47.08	51.09

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	2 145.00	47.15	51.86
	16QAM	Middle	2 145.00	47.11	51.46
	64QAM	Middle	2 145.00	47.10	51.27
	256QAM	Middle	2 145.00	47.08	51.07

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	2 145.00	47.15	51.87
	16QAM	Middle	2 145.00	47.06	50.83
	64QAM	Middle	2 145.00	47.17	52.17
	256QAM	Middle	2 145.00	47.11	51.39

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	2 145.00	47.09	51.13
	16QAM	Middle	2 145.00	47.06	50.86
	64QAM	Middle	2 145.00	47.11	51.37
	256QAM	Middle	2 145.00	47.15	51.83

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	2 145.00	47.02	50.35
	16QAM	Middle	2 145.00	47.06	50.87
	64QAM	Middle	2 145.00	47.08	51.10
	256QAM	Middle	2 145.00	47.02	50.40

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Middle	2 145.00	47.02	50.29
	16QAM	Middle	2 145.00	47.09	51.14
	64QAM	Middle	2 145.00	47.02	50.41
	256QAM	Middle	2 145.00	47.02	50.32

Notes:

1. Measurements were performed for all DSS ratios, all channels, and all modulation schemes. Only the middle-channel values of port 0 are listed for each ratio.
2. All results for the DSS ratios are within the power tolerance.
3. This report includes only the results for the worst-case ratio, LTE:NR = 2:8.

In the multi-carrier mode addressed in this report, the worst-case LTE:5G NR ratio (2:8) was applied based on the test results obtained from the single-carrier DSS mode.

Test Results:

Tabular Data of RF Output Power

(4 Port) B25 DSS 10 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	1 935.00	47.23	52.89
		Middle	1 962.50	46.98	49.89
		High	1 990.00	47.54	56.70
	16QAM	Low	1 935.00	47.37	54.51
		Middle	1 962.50	47.01	50.20
		High	1 990.00	47.40	54.97
	64QAM	Low	1 935.00	47.23	52.89
		Middle	1 962.50	46.97	49.75
		High	1 990.00	47.47	55.87
	256QAM	Low	1 935.00	47.23	52.86
		Middle	1 962.50	46.87	48.62
		High	1 990.00	47.49	56.16
1	QPSK	Low	1 935.00	47.25	53.05
		Middle	1 962.50	47.13	51.63
		High	1 990.00	47.53	56.57
	16QAM	Low	1 935.00	47.19	52.38
		Middle	1 962.50	47.14	51.71
		High	1 990.00	47.49	56.10
	64QAM	Low	1 935.00	47.24	52.92
		Middle	1 962.50	47.12	51.57
		High	1 990.00	47.48	55.96
	256QAM	Low	1 935.00	47.28	53.42
		Middle	1 962.50	47.21	52.61
		High	1 990.00	47.50	56.21
2	QPSK	Low	1 935.00	47.52	56.51
		Middle	1 962.50	47.37	54.58
		High	1 990.00	47.63	58.00
	16QAM	Low	1 935.00	47.52	56.47
		Middle	1 962.50	47.38	54.75
		High	1 990.00	47.56	57.02
	64QAM	Low	1 935.00	47.55	56.87
		Middle	1 962.50	47.44	55.42
		High	1 990.00	47.57	57.19
	256QAM	Low	1 935.00	47.44	55.49
		Middle	1 962.50	47.33	54.13
		High	1 990.00	47.61	57.72
3	QPSK	Low	1 935.00	47.66	58.30
		Middle	1 962.50	47.38	54.70
		High	1 990.00	47.82	60.59
	16QAM	Low	1 935.00	47.71	58.98
		Middle	1 962.50	47.42	55.26
		High	1 990.00	47.68	58.67
	64QAM	Low	1 935.00	47.55	56.91
		Middle	1 962.50	47.47	55.83
		High	1 990.00	47.79	60.05
	256QAM	Low	1 935.00	47.52	56.45
		Middle	1 962.50	47.34	54.19
		High	1 990.00	47.71	58.97

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 935.00	220.76	222.34	219.59	218.22
1 962.50	210.80	211.92	212.58	209.55
1 990.00	231.86	226.76	229.07	229.05

(4 Port) B25 DSS 15 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	1 937.50	47.26	53.21
		Middle	1 962.50	47.07	50.94
		High	1 987.50	47.40	54.95
	16QAM	Low	1 937.50	47.22	52.72
		Middle	1 962.50	47.03	50.48
		High	1 987.50	47.45	55.64
	64QAM	Low	1 937.50	47.33	54.03
		Middle	1 962.50	47.03	50.42
		High	1 987.50	47.39	54.78
	256QAM	Low	1 937.50	47.32	53.94
		Middle	1 962.50	47.08	51.09
		High	1 987.50	47.37	54.54
1	QPSK	Low	1 937.50	47.36	54.46
		Middle	1 962.50	47.15	51.90
		High	1 987.50	47.54	56.81
	16QAM	Low	1 937.50	47.29	53.62
		Middle	1 962.50	47.15	51.84
		High	1 987.50	47.51	56.32
	64QAM	Low	1 937.50	47.28	53.44
		Middle	1 962.50	47.17	52.17
		High	1 987.50	47.48	55.94
	256QAM	Low	1 937.50	47.26	53.16
		Middle	1 962.50	47.19	52.40
		High	1 987.50	47.49	56.14
2	QPSK	Low	1 937.50	47.56	57.00
		Middle	1 962.50	47.37	54.59
		High	1 987.50	47.75	59.58
	16QAM	Low	1 937.50	47.52	56.43
		Middle	1 962.50	47.32	53.94
		High	1 987.50	47.72	59.20
	64QAM	Low	1 937.50	47.51	56.43
		Middle	1 962.50	47.30	53.73
		High	1 987.50	47.64	58.02
	256QAM	Low	1 937.50	47.47	55.82
		Middle	1 962.50	47.34	54.19
		High	1 987.50	47.67	58.52
3	QPSK	Low	1 937.50	47.65	58.21
		Middle	1 962.50	47.46	55.67
		High	1 987.50	47.65	58.20
	16QAM	Low	1 937.50	47.62	57.82
		Middle	1 962.50	47.45	55.60
		High	1 987.50	47.62	57.80
	64QAM	Low	1 937.50	47.70	58.91
		Middle	1 962.50	47.44	55.49
		High	1 987.50	47.67	58.49
	256QAM	Low	1 937.50	47.72	59.16
		Middle	1 962.50	47.42	55.27
		High	1 987.50	47.64	58.08

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 937.50	222.89	220.59	222.81	222.08
1 962.50	213.10	211.86	211.80	212.94
1 987.50	229.54	228.96	227.23	227.28

(4 Port) B25 DSS 20 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	1 940.00	48.37	68.64
		Middle	1 962.50	48.26	67.03
		High	1 985.00	48.66	73.43
	16QAM	Low	1 940.00	48.43	69.69
		Middle	1 962.50	48.25	66.91
		High	1 985.00	48.66	73.47
	64QAM	Low	1 940.00	48.46	70.16
		Middle	1 962.50	48.32	67.97
		High	1 985.00	48.49	70.60
	256QAM	Low	1 940.00	48.44	69.84
		Middle	1 962.50	48.33	68.14
		High	1 985.00	48.47	70.31
1	QPSK	Low	1 940.00	48.42	69.47
		Middle	1 962.50	48.44	69.79
		High	1 985.00	48.60	72.36
	16QAM	Low	1 940.00	48.47	70.34
		Middle	1 962.50	48.36	68.58
		High	1 985.00	48.74	74.89
	64QAM	Low	1 940.00	48.49	70.65
		Middle	1 962.50	48.38	68.88
		High	1 985.00	48.57	71.93
	256QAM	Low	1 940.00	48.45	70.05
		Middle	1 962.50	48.47	70.36
		High	1 985.00	48.67	73.64
2	QPSK	Low	1 940.00	48.72	74.56
		Middle	1 962.50	48.57	72.01
		High	1 985.00	48.88	77.21
	16QAM	Low	1 940.00	48.69	74.01
		Middle	1 962.50	48.44	69.81
		High	1 985.00	48.85	76.79
	64QAM	Low	1 940.00	48.75	74.97
		Middle	1 962.50	48.57	71.96
		High	1 985.00	48.80	75.91
	256QAM	Low	1 940.00	48.80	75.86
		Middle	1 962.50	48.62	72.74
		High	1 985.00	48.74	74.89
3	QPSK	Low	1 940.00	48.82	76.17
		Middle	1 962.50	48.68	73.79
		High	1 985.00	48.77	75.39
	16QAM	Low	1 940.00	48.72	74.52
		Middle	1 962.50	48.59	72.21
		High	1 985.00	48.80	75.95
	64QAM	Low	1 940.00	48.85	76.65
		Middle	1 962.50	48.70	74.06
		High	1 985.00	48.70	74.15
	256QAM	Low	1 940.00	48.89	77.43
		Middle	1 962.50	48.47	70.36
		High	1 985.00	48.66	73.49

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 940.00	288.85	288.57	292.43	293.17
1 962.50	282.63	277.51	282.87	281.60
1 985.00	298.40	301.09	292.59	292.32

(4 Port) B66 DSS 10 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 115.00	47.18	52.20
		Middle	2 145.00	47.34	54.21
		High	2 175.00	47.69	58.72
	16QAM	Low	2 115.00	47.28	53.44
		Middle	2 145.00	47.44	55.50
		High	2 175.00	47.72	59.21
	64QAM	Low	2 115.00	47.33	54.06
		Middle	2 145.00	47.30	53.75
		High	2 175.00	47.68	58.68
	256QAM	Low	2 115.00	47.23	52.87
		Middle	2 145.00	47.38	54.69
		High	2 175.00	47.64	58.10
1	QPSK	Low	2 115.00	47.40	54.99
		Middle	2 145.00	47.70	58.90
		High	2 175.00	48.02	63.42
	16QAM	Low	2 115.00	47.48	55.92
		Middle	2 145.00	47.83	60.74
		High	2 175.00	48.02	63.37
	64QAM	Low	2 115.00	47.49	56.10
		Middle	2 145.00	47.79	60.06
		High	2 175.00	48.13	64.97
	256QAM	Low	2 115.00	47.49	56.10
		Middle	2 145.00	47.77	59.90
		High	2 175.00	48.08	64.31
2	QPSK	Low	2 115.00	47.51	56.31
		Middle	2 145.00	47.82	60.52
		High	2 175.00	48.14	65.12
	16QAM	Low	2 115.00	47.59	57.40
		Middle	2 145.00	47.91	61.83
		High	2 175.00	48.14	65.18
	64QAM	Low	2 115.00	47.57	57.13
		Middle	2 145.00	47.96	62.52
		High	2 175.00	48.17	65.67
	256QAM	Low	2 115.00	47.63	57.94
		Middle	2 145.00	47.87	61.29
		High	2 175.00	48.21	66.16
3	QPSK	Low	2 115.00	47.18	52.25
		Middle	2 145.00	47.39	54.83
		High	2 175.00	47.72	59.17
	16QAM	Low	2 115.00	47.28	53.47
		Middle	2 145.00	47.51	56.39
		High	2 175.00	47.74	59.43
	64QAM	Low	2 115.00	47.28	53.42
		Middle	2 145.00	47.53	56.69
		High	2 175.00	47.81	60.35
	256QAM	Low	2 115.00	47.23	52.82
		Middle	2 145.00	47.56	57.03
		High	2 175.00	47.90	61.66

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 115.00	215.76	220.24	220.72	219.74
2 145.00	228.46	234.46	233.02	232.91
2 175.00	246.43	247.19	249.68	250.24

(4 Port) B66 DSS 15 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 117.50	47.38	54.75
		Middle	2 145.00	47.22	52.67
		High	2 172.50	47.53	56.65
	16QAM	Low	2 117.50	47.37	54.54
		Middle	2 145.00	47.19	52.37
		High	2 172.50	47.55	56.86
	64QAM	Low	2 117.50	47.42	55.14
		Middle	2 145.00	47.19	52.34
		High	2 172.50	47.56	57.07
	256QAM	Low	2 117.50	47.47	55.89
		Middle	2 145.00	47.32	53.91
		High	2 172.50	47.54	56.77
1	QPSK	Low	2 117.50	47.69	58.69
		Middle	2 145.00	47.68	58.61
		High	2 172.50	48.05	63.81
	16QAM	Low	2 117.50	47.68	58.55
		Middle	2 145.00	47.61	57.66
		High	2 172.50	47.98	62.81
	64QAM	Low	2 117.50	47.70	58.95
		Middle	2 145.00	47.61	57.69
		High	2 172.50	48.04	63.65
	256QAM	Low	2 117.50	47.81	60.35
		Middle	2 145.00	47.74	59.39
		High	2 172.50	48.03	63.56
2	QPSK	Low	2 117.50	47.79	60.09
		Middle	2 145.00	47.65	58.25
		High	2 172.50	48.01	63.31
	16QAM	Low	2 117.50	47.91	61.86
		Middle	2 145.00	47.55	56.94
		High	2 172.50	48.05	63.89
	64QAM	Low	2 117.50	47.85	61.01
		Middle	2 145.00	47.56	57.02
		High	2 172.50	48.06	63.93
	256QAM	Low	2 117.50	47.80	60.30
		Middle	2 145.00	47.74	59.50
		High	2 172.50	48.17	65.55
3	QPSK	Low	2 117.50	47.43	55.35
		Middle	2 145.00	47.52	56.51
		High	2 172.50	47.73	59.27
	16QAM	Low	2 117.50	47.53	56.58
		Middle	2 145.00	47.47	55.91
		High	2 172.50	47.74	59.42
	64QAM	Low	2 117.50	47.52	56.45
		Middle	2 145.00	47.50	56.29
		High	2 172.50	47.71	59.06
	256QAM	Low	2 117.50	47.44	55.50
		Middle	2 145.00	47.57	57.19
		High	2 172.50	47.76	59.69

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 117.50	228.88	231.53	231.56	232.04
2 145.00	226.05	222.88	223.33	229.99
2 172.50	243.04	242.97	243.71	245.57

(4 Port) B66 DSS 20 MHz 1 Carrier

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 120.00	48.44	69.87
		Middle	2 145.00	48.50	70.81
		High	2 170.00	48.74	74.75
	16QAM	Low	2 120.00	48.57	71.86
		Middle	2 145.00	48.60	72.43
		High	2 170.00	48.71	74.25
	64QAM	Low	2 120.00	48.52	71.12
		Middle	2 145.00	48.62	72.86
		High	2 170.00	48.77	75.42
	256QAM	Low	2 120.00	48.56	71.75
		Middle	2 145.00	48.55	71.55
		High	2 170.00	48.77	75.32
1	QPSK	Low	2 120.00	48.78	75.47
		Middle	2 145.00	48.91	77.84
		High	2 170.00	49.19	82.95
	16QAM	Low	2 120.00	48.75	74.94
		Middle	2 145.00	48.57	71.96
		High	2 170.00	49.12	81.66
	64QAM	Low	2 120.00	48.79	75.72
		Middle	2 145.00	48.86	76.90
		High	2 170.00	49.16	82.47
	256QAM	Low	2 120.00	48.80	75.89
		Middle	2 145.00	48.93	78.09
		High	2 170.00	49.19	82.97
2	QPSK	Low	2 120.00	48.86	76.82
		Middle	2 145.00	48.95	78.54
		High	2 170.00	49.37	86.42
	16QAM	Low	2 120.00	48.94	78.31
		Middle	2 145.00	49.04	80.13
		High	2 170.00	49.22	83.62
	64QAM	Low	2 120.00	48.92	77.97
		Middle	2 145.00	49.13	81.75
		High	2 170.00	49.34	85.88
	256QAM	Low	2 120.00	48.95	78.58
		Middle	2 145.00	48.95	78.47
		High	2 170.00	49.38	86.70
3	QPSK	Low	2 120.00	48.48	70.44
		Middle	2 145.00	48.63	73.00
		High	2 170.00	48.79	75.63
	16QAM	Low	2 120.00	48.50	70.76
		Middle	2 145.00	48.69	73.89
		High	2 170.00	48.73	74.66
	64QAM	Low	2 120.00	48.50	70.75
		Middle	2 145.00	48.70	74.10
		High	2 170.00	48.86	76.95
	256QAM	Low	2 120.00	48.57	71.99
		Middle	2 145.00	48.67	73.64
		High	2 170.00	48.81	76.12

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 120.00	292.61	295.87	295.55	298.21
2 145.00	300.19	298.41	305.61	301.75
2 170.00	319.74	314.19	320.72	321.10

Tabular Data of RF Contiguous Output Power

(4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	1 937.50	47.32	53.89
		Middle	1 962.50	47.05	50.72
		High	1 987.50	47.65	58.14
	16QAM	Low	1 937.50	47.36	54.39
		Middle	1 962.50	47.01	50.21
		High	1 987.50	47.48	56.00
	64QAM	Low	1 937.50	47.42	55.23
		Middle	1 962.50	47.01	50.23
		High	1 987.50	47.46	55.67
	256QAM	Low	1 937.50	47.31	53.81
		Middle	1 962.50	47.19	52.40
		High	1 987.50	47.47	55.80
1	QPSK	Low	1 937.50	47.39	54.83
		Middle	1 962.50	47.13	51.63
		High	1 987.50	47.61	57.70
	16QAM	Low	1 937.50	47.34	54.24
		Middle	1 962.50	47.13	51.64
		High	1 987.50	47.46	55.74
	64QAM	Low	1 937.50	47.38	54.75
		Middle	1 962.50	47.20	52.47
		High	1 987.50	47.52	56.49
	256QAM	Low	1 937.50	47.30	53.69
		Middle	1 962.50	47.19	52.31
		High	1 987.50	47.49	56.09
2	QPSK	Low	1 937.50	47.67	58.51
		Middle	1 962.50	47.31	53.83
		High	1 987.50	47.80	60.21
	16QAM	Low	1 937.50	47.61	57.69
		Middle	1 962.50	47.28	53.49
		High	1 987.50	47.62	57.81
	64QAM	Low	1 937.50	47.69	58.74
		Middle	1 962.50	47.34	54.23
		High	1 987.50	47.69	58.78
	256QAM	Low	1 937.50	47.55	56.86
		Middle	1 962.50	47.31	53.80
		High	1 987.50	47.59	57.42
3	QPSK	Low	1 937.50	47.73	59.36
		Middle	1 962.50	47.24	53.00
		High	1 987.50	47.73	59.32
	16QAM	Low	1 937.50	47.80	60.23
		Middle	1 962.50	47.29	53.59
		High	1 987.50	47.58	57.24
	64QAM	Low	1 937.50	47.77	59.80
		Middle	1 962.50	47.36	54.46
		High	1 987.50	47.59	57.42
	256QAM	Low	1 937.50	47.77	59.90
		Middle	1 962.50	47.36	54.41
		High	1 987.50	47.56	56.98

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 937.50	226.58	226.54	228.52	224.26
1 962.50	209.18	208.94	211.39	212.92
1 987.50	235.38	226.80	228.36	226.29

(4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	1 945.00	48.63	72.98
		Middle	1 962.50	48.36	68.55
		High	1 980.00	48.63	72.90
	16QAM	Low	1 945.00	48.57	71.93
		Middle	1 962.50	48.33	68.06
		High	1 980.00	48.54	71.53
	64QAM	Low	1 945.00	48.52	71.09
		Middle	1 962.50	48.41	69.37
		High	1 980.00	48.66	73.50
	256QAM	Low	1 945.00	48.55	71.55
		Middle	1 962.50	48.32	67.95
		High	1 980.00	48.61	72.61
1	QPSK	Low	1 945.00	48.56	71.70
		Middle	1 962.50	48.10	64.61
		High	1 980.00	48.69	73.93
	16QAM	Low	1 945.00	48.58	72.14
		Middle	1 962.50	48.34	68.25
		High	1 980.00	48.58	72.16
	64QAM	Low	1 945.00	48.56	71.71
		Middle	1 962.50	48.35	68.39
		High	1 980.00	48.64	73.06
	256QAM	Low	1 945.00	48.57	71.90
		Middle	1 962.50	48.36	68.52
		High	1 980.00	48.72	74.49
2	QPSK	Low	1 945.00	48.83	76.42
		Middle	1 962.50	48.58	72.13
		High	1 980.00	48.78	75.56
	16QAM	Low	1 945.00	48.76	75.11
		Middle	1 962.50	48.55	71.70
		High	1 980.00	48.69	73.91
	64QAM	Low	1 945.00	48.75	74.94
		Middle	1 962.50	48.56	71.71
		High	1 980.00	48.81	75.95
	256QAM	Low	1 945.00	48.80	75.82
		Middle	1 962.50	48.64	73.15
		High	1 980.00	48.85	76.65
3	QPSK	Low	1 945.00	48.91	77.80
		Middle	1 962.50	48.64	73.06
		High	1 980.00	48.86	76.98
	16QAM	Low	1 945.00	48.97	78.81
		Middle	1 962.50	48.60	72.46
		High	1 980.00	48.83	76.42
	64QAM	Low	1 945.00	48.91	77.89
		Middle	1 962.50	48.68	73.76
		High	1 980.00	48.86	76.82
	256QAM	Low	1 945.00	48.91	77.82
		Middle	1 962.50	48.62	72.76
		High	1 980.00	48.52	71.07

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 945.00	298.90	298.00	295.63	297.09
1 962.50	278.35	280.47	283.24	282.38
1 980.00	299.37	294.02	299.34	294.82

(4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	1 937.50	47.41	55.03
		Middle	1 962.50	46.99	50.03
		High	1 987.50	47.52	56.55
	16QAM	Low	1 937.50	47.32	54.00
		Middle	1 962.50	47.07	50.98
		High	1 987.50	47.38	54.71
	64QAM	Low	1 937.50	47.37	54.64
		Middle	1 962.50	47.05	50.70
		High	1 987.50	47.51	56.39
	256QAM	Low	1 937.50	47.38	54.75
		Middle	1 962.50	47.04	50.55
		High	1 987.50	47.51	56.40
1	QPSK	Low	1 937.50	47.33	54.03
		Middle	1 962.50	47.15	51.93
		High	1 987.50	47.57	57.17
	16QAM	Low	1 937.50	47.44	55.53
		Middle	1 962.50	46.90	49.03
		High	1 987.50	47.53	56.62
	64QAM	Low	1 937.50	47.40	54.93
		Middle	1 962.50	47.20	52.43
		High	1 987.50	47.54	56.69
	256QAM	Low	1 937.50	47.36	54.41
		Middle	1 962.50	47.11	51.38
		High	1 987.50	47.59	57.48
2	QPSK	Low	1 937.50	47.58	57.33
		Middle	1 962.50	47.31	53.84
		High	1 987.50	47.84	60.80
	16QAM	Low	1 937.50	47.61	57.73
		Middle	1 962.50	47.38	54.66
		High	1 987.50	47.74	59.37
	64QAM	Low	1 937.50	47.63	57.93
		Middle	1 962.50	47.47	55.80
		High	1 987.50	47.46	55.73
	256QAM	Low	1 937.50	47.61	57.72
		Middle	1 962.50	47.43	55.28
		High	1 987.50	47.70	58.82
3	QPSK	Low	1 937.50	47.67	58.43
		Middle	1 962.50	47.41	55.06
		High	1 987.50	47.70	58.91
	16QAM	Low	1 937.50	47.84	60.88
		Middle	1 962.50	47.42	55.20
		High	1 987.50	47.75	59.54
	64QAM	Low	1 937.50	47.70	58.90
		Middle	1 962.50	47.52	56.55
		High	1 987.50	47.70	58.87
	256QAM	Low	1 937.50	47.76	59.73
		Middle	1 962.50	47.32	54.01
		High	1 987.50	47.64	58.09

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 937.50	224.81	228.14	226.39	226.61
1 962.50	210.85	209.87	215.47	211.23
1 987.50	233.43	230.25	227.68	230.79

(4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	1 945.00	48.55	71.66
		Middle	1 962.50	48.47	70.34
		High	1 980.00	48.80	75.79
	16QAM	Low	1 945.00	48.50	70.78
		Middle	1 962.50	48.53	71.30
		High	1 980.00	48.68	73.86
	64QAM	Low	1 945.00	48.60	72.46
		Middle	1 962.50	48.45	70.05
		High	1 980.00	48.83	76.42
	256QAM	Low	1 945.00	48.58	72.11
		Middle	1 962.50	48.52	71.06
		High	1 980.00	48.78	75.53
1	QPSK	Low	1 945.00	48.55	71.61
		Middle	1 962.50	48.56	71.81
		High	1 980.00	48.76	75.18
	16QAM	Low	1 945.00	48.51	70.93
		Middle	1 962.50	48.52	71.14
		High	1 980.00	48.77	75.39
	64QAM	Low	1 945.00	48.58	72.13
		Middle	1 962.50	48.53	71.37
		High	1 980.00	48.80	75.93
	256QAM	Low	1 945.00	48.55	71.60
		Middle	1 962.50	48.50	70.79
		High	1 980.00	48.83	76.38
2	QPSK	Low	1 945.00	48.89	77.48
		Middle	1 962.50	48.70	74.18
		High	1 980.00	49.01	79.67
	16QAM	Low	1 945.00	48.75	74.92
		Middle	1 962.50	48.75	74.99
		High	1 980.00	48.94	78.34
	64QAM	Low	1 945.00	48.86	76.91
		Middle	1 962.50	48.68	73.82
		High	1 980.00	49.00	79.36
	256QAM	Low	1 945.00	48.82	76.28
		Middle	1 962.50	48.74	74.89
		High	1 980.00	49.10	81.36
3	QPSK	Low	1 945.00	48.79	75.61
		Middle	1 962.50	48.85	76.79
		High	1 980.00	48.92	78.02
	16QAM	Low	1 945.00	48.93	78.11
		Middle	1 962.50	48.91	77.75
		High	1 980.00	48.86	76.98
	64QAM	Low	1 945.00	48.88	77.20
		Middle	1 962.50	48.88	77.34
		High	1 980.00	48.98	79.03
	256QAM	Low	1 945.00	48.83	76.42
		Middle	1 962.50	48.88	77.30
		High	1 980.00	48.99	79.30

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 945.00	296.37	294.73	298.70	296.41
1 962.50	293.12	295.18	292.58	294.04
1 980.00	308.66	304.57	310.74	312.57

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

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 117.50	47.11	51.40
		Middle	2 145.00	47.18	52.26
		High	2 172.50	47.54	56.77
	16QAM	Low	2 117.50	47.14	51.72
		Middle	2 145.00	47.29	53.59
		High	2 172.50	47.57	57.15
	64QAM	Low	2 117.50	47.13	51.65
		Middle	2 145.00	47.21	52.66
		High	2 172.50	47.59	57.35
	256QAM	Low	2 117.50	47.18	52.29
		Middle	2 145.00	47.25	53.08
		High	2 172.50	47.58	57.33
1	QPSK	Low	2 117.50	47.34	54.26
		Middle	2 145.00	47.57	57.12
		High	2 172.50	47.91	61.77
	16QAM	Low	2 117.50	47.42	55.25
		Middle	2 145.00	47.52	56.55
		High	2 172.50	47.98	62.76
	64QAM	Low	2 117.50	47.30	53.65
		Middle	2 145.00	47.56	56.98
		High	2 172.50	48.00	63.15
	256QAM	Low	2 117.50	47.43	55.34
		Middle	2 145.00	47.57	57.10
		High	2 172.50	47.96	62.49
2	QPSK	Low	2 117.50	47.66	58.36
		Middle	2 145.00	47.82	60.51
		High	2 172.50	48.16	65.51
	16QAM	Low	2 117.50	47.64	58.08
		Middle	2 145.00	47.79	60.12
		High	2 172.50	48.12	64.82
	64QAM	Low	2 117.50	47.59	57.37
		Middle	2 145.00	47.82	60.49
		High	2 172.50	48.18	65.72
	256QAM	Low	2 117.50	47.60	57.54
		Middle	2 145.00	47.79	60.15
		High	2 172.50	48.20	66.02
3	QPSK	Low	2 117.50	47.18	52.25
		Middle	2 145.00	47.39	54.78
		High	2 172.50	47.63	57.88
	16QAM	Low	2 117.50	47.22	52.75
		Middle	2 145.00	47.31	53.86
		High	2 172.50	47.61	57.65
	64QAM	Low	2 117.50	47.13	51.63
		Middle	2 145.00	47.40	54.95
		High	2 172.50	47.62	57.80
	256QAM	Low	2 117.50	47.13	51.58
		Middle	2 145.00	47.32	54.00
		High	2 172.50	47.57	57.13

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 117.50	216.28	217.79	214.31	216.75
2 145.00	224.67	224.12	225.09	224.32
2 172.50	241.93	242.38	244.02	242.98

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 117.50	47.23	52.89
		Middle	2 145.00	47.32	53.99
		High	2 172.50	47.69	58.80
	16QAM	Low	2 117.50	47.16	51.96
		Middle	2 145.00	47.35	54.35
		High	2 172.50	47.65	58.17
	64QAM	Low	2 117.50	47.14	51.71
		Middle	2 145.00	47.22	52.69
		High	2 172.50	47.68	58.65
	256QAM	Low	2 117.50	47.25	53.14
		Middle	2 145.00	47.21	52.60
		High	2 172.50	47.58	57.25
1	QPSK	Low	2 117.50	47.35	54.30
		Middle	2 145.00	47.75	59.63
		High	2 172.50	47.91	61.74
	16QAM	Low	2 117.50	47.38	54.73
		Middle	2 145.00	47.55	56.82
		High	2 172.50	47.94	62.17
	64QAM	Low	2 117.50	47.45	55.60
		Middle	2 145.00	47.66	58.33
		High	2 172.50	48.04	63.64
	256QAM	Low	2 117.50	47.53	56.61
		Middle	2 145.00	47.59	57.36
		High	2 172.50	48.04	63.74
2	QPSK	Low	2 117.50	47.40	54.97
		Middle	2 145.00	47.67	58.49
		High	2 172.50	47.95	62.30
	16QAM	Low	2 117.50	47.42	55.17
		Middle	2 145.00	47.57	57.08
		High	2 172.50	48.05	63.87
	64QAM	Low	2 117.50	47.34	54.25
		Middle	2 145.00	47.68	58.67
		High	2 172.50	48.09	64.40
	256QAM	Low	2 117.50	47.49	56.17
		Middle	2 145.00	47.61	57.69
		High	2 172.50	48.07	64.14
3	QPSK	Low	2 117.50	47.05	50.66
		Middle	2 145.00	47.39	54.80
		High	2 172.50	47.58	57.23
	16QAM	Low	2 117.50	47.16	51.96
		Middle	2 145.00	47.45	55.64
		High	2 172.50	47.65	58.18
	64QAM	Low	2 117.50	47.13	51.59
		Middle	2 145.00	47.35	54.39
		High	2 172.50	47.67	58.44
	256QAM	Low	2 117.50	47.23	52.84
		Middle	2 145.00	47.48	55.98
		High	2 172.50	47.66	58.29

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 117.50	212.82	213.82	213.16	218.76
2 145.00	226.92	223.89	224.07	223.63
2 172.50	240.08	242.40	245.13	243.42

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 120.00	48.44	69.84
		Middle	2 145.00	48.50	70.86
		High	2 170.00	48.75	75.02
	16QAM	Low	2 120.00	48.44	69.82
		Middle	2 145.00	48.57	71.99
		High	2 170.00	48.80	75.77
	64QAM	Low	2 120.00	48.51	70.97
		Middle	2 145.00	48.58	72.18
		High	2 170.00	48.81	76.03
	256QAM	Low	2 120.00	48.49	70.58
		Middle	2 145.00	48.59	72.28
		High	2 170.00	48.74	74.87
1	QPSK	Low	2 120.00	48.77	75.34
		Middle	2 145.00	48.81	76.12
		High	2 170.00	49.19	83.00
	16QAM	Low	2 120.00	48.68	73.74
		Middle	2 145.00	48.80	75.93
		High	2 170.00	49.12	81.70
	64QAM	Low	2 120.00	48.73	74.66
		Middle	2 145.00	48.89	77.54
		High	2 170.00	49.18	82.70
	256QAM	Low	2 120.00	48.72	74.49
		Middle	2 145.00	48.93	78.16
		High	2 170.00	49.14	82.02
2	QPSK	Low	2 120.00	48.74	74.75
		Middle	2 145.00	48.99	79.25
		High	2 170.00	49.22	83.62
	16QAM	Low	2 120.00	48.75	75.04
		Middle	2 145.00	48.90	77.64
		High	2 170.00	49.19	83.04
	64QAM	Low	2 120.00	48.76	75.23
		Middle	2 145.00	48.97	78.89
		High	2 170.00	49.20	83.12
	256QAM	Low	2 120.00	48.72	74.44
		Middle	2 145.00	48.93	78.14
		High	2 170.00	49.20	83.18
3	QPSK	Low	2 120.00	48.48	70.45
		Middle	2 145.00	48.52	71.09
		High	2 170.00	48.77	75.35
	16QAM	Low	2 120.00	48.41	69.31
		Middle	2 145.00	48.62	72.79
		High	2 170.00	48.76	75.21
	64QAM	Low	2 120.00	48.42	69.57
		Middle	2 145.00	48.65	73.35
		High	2 170.00	48.74	74.80
	256QAM	Low	2 120.00	48.45	69.92
		Middle	2 145.00	48.64	73.16
		High	2 170.00	48.77	75.27

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 120.00	290.38	287.91	290.43	289.43
2 145.00	297.32	298.36	301.95	301.75
2 170.00	317.00	315.72	316.65	315.33

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

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 140.00	49.70	93.37
		Middle	2 145.00	49.54	89.91
		High	2 150.00	49.56	90.36
	16QAM	Low	2 140.00	49.59	91.03
		Middle	2 145.00	49.47	88.45
		High	2 150.00	49.55	90.20
	64QAM	Low	2 140.00	49.44	87.82
		Middle	2 145.00	49.50	89.06
		High	2 150.00	49.68	92.88
	256QAM	Low	2 140.00	49.66	92.38
		Middle	2 145.00	49.65	92.34
		High	2 150.00	49.58	90.68
1	QPSK	Low	2 140.00	49.97	99.27
		Middle	2 145.00	49.80	95.46
		High	2 150.00	49.87	97.14
	16QAM	Low	2 140.00	49.83	96.23
		Middle	2 145.00	49.82	95.85
		High	2 150.00	49.88	97.34
	64QAM	Low	2 140.00	49.77	94.75
		Middle	2 145.00	49.94	98.58
		High	2 150.00	49.80	95.54
	256QAM	Low	2 140.00	49.89	97.41
		Middle	2 145.00	49.96	99.06
		High	2 150.00	49.78	94.95
2	QPSK	Low	2 140.00	50.07	101.55
		Middle	2 145.00	49.84	96.32
		High	2 150.00	50.04	101.00
	16QAM	Low	2 140.00	49.98	99.61
		Middle	2 145.00	49.82	95.98
		High	2 150.00	49.87	97.01
	64QAM	Low	2 140.00	49.94	98.54
		Middle	2 145.00	49.91	97.93
		High	2 150.00	49.82	95.94
	256QAM	Low	2 140.00	49.99	99.86
		Middle	2 145.00	49.95	98.74
		High	2 150.00	49.89	97.41
3	QPSK	Low	2 140.00	49.66	92.56
		Middle	2 145.00	49.49	88.90
		High	2 150.00	49.61	91.33
	16QAM	Low	2 140.00	49.53	89.74
		Middle	2 145.00	49.41	87.34
		High	2 150.00	49.56	90.36
	64QAM	Low	2 140.00	49.46	88.37
		Middle	2 145.00	49.62	91.62
		High	2 150.00	49.44	87.84
	256QAM	Low	2 140.00	49.61	91.50
		Middle	2 145.00	49.63	91.88
		High	2 150.00	49.53	89.78

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 140.00	386.74	376.61	369.48	381.15
2 145.00	370.58	367.62	377.19	382.02
2 150.00	379.83	374.91	372.20	372.82

(4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 140.00	49.43	87.66
		Middle	2 145.00	49.43	87.62
		High	2 150.00	49.43	87.60
	16QAM	Low	2 140.00	49.43	87.76
		Middle	2 145.00	49.40	87.10
		High	2 150.00	49.40	87.04
	64QAM	Low	2 140.00	49.48	88.70
		Middle	2 145.00	49.43	87.68
		High	2 150.00	49.47	88.45
	256QAM	Low	2 140.00	49.42	87.50
		Middle	2 145.00	49.44	87.94
		High	2 150.00	49.49	88.92
1	QPSK	Low	2 140.00	49.70	93.33
		Middle	2 145.00	49.75	94.30
		High	2 150.00	49.72	93.69
	16QAM	Low	2 140.00	49.66	92.56
		Middle	2 145.00	49.74	94.23
		High	2 150.00	49.73	93.97
	64QAM	Low	2 140.00	49.65	92.36
		Middle	2 145.00	49.73	93.93
		High	2 150.00	49.80	95.52
	256QAM	Low	2 140.00	49.70	93.30
		Middle	2 145.00	49.77	94.89
		High	2 150.00	49.78	94.95
2	QPSK	Low	2 140.00	49.80	95.57
		Middle	2 145.00	49.86	96.76
		High	2 150.00	49.85	96.56
	16QAM	Low	2 140.00	49.67	92.70
		Middle	2 145.00	49.83	96.21
		High	2 150.00	49.86	96.83
	64QAM	Low	2 140.00	49.75	94.36
		Middle	2 145.00	49.85	96.56
		High	2 150.00	49.89	97.61
	256QAM	Low	2 140.00	49.68	93.00
		Middle	2 145.00	49.88	97.16
		High	2 150.00	49.93	98.40
3	QPSK	Low	2 140.00	49.32	85.43
		Middle	2 145.00	49.50	89.15
		High	2 150.00	49.46	88.39
	16QAM	Low	2 140.00	49.36	86.38
		Middle	2 145.00	49.50	89.06
		High	2 150.00	49.49	88.98
	64QAM	Low	2 140.00	49.45	88.10
		Middle	2 145.00	49.45	88.13
		High	2 150.00	49.52	89.60
	256QAM	Low	2 140.00	49.39	86.92
		Middle	2 145.00	49.44	87.86
		High	2 150.00	49.53	89.68

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 140.00	361.98	359.40	363.53	360.72
2 145.00	367.82	366.60	366.29	367.85
2 150.00	366.24	366.82	371.18	371.95

(4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz
1 Carrier [4 Carrier]

Antenna	Modulation	Channel	Frequency (MHz)	Measured Level (dBm)	Calculated (W)
0	QPSK	Low	2 140.00	49.60	91.20
		Middle	2 145.00	49.60	91.29
		High	2 150.00	49.74	94.08
	16QAM	Low	2 140.00	49.67	92.75
		Middle	2 145.00	49.45	88.08
		High	2 150.00	49.79	95.26
	64QAM	Low	2 140.00	49.67	92.70
		Middle	2 145.00	49.50	89.15
		High	2 150.00	49.68	92.98
	256QAM	Low	2 140.00	49.72	93.76
		Middle	2 145.00	49.62	91.66
		High	2 150.00	49.78	95.10
1	QPSK	Low	2 140.00	49.90	97.61
		Middle	2 145.00	49.93	98.40
		High	2 150.00	50.02	100.53
	16QAM	Low	2 140.00	49.96	99.17
		Middle	2 145.00	49.87	97.03
		High	2 150.00	50.06	101.51
	64QAM	Low	2 140.00	49.91	97.93
		Middle	2 145.00	49.88	97.21
		High	2 150.00	49.95	98.97
	256QAM	Low	2 140.00	49.91	97.88
		Middle	2 145.00	49.92	98.08
		High	2 150.00	50.03	100.76
2	QPSK	Low	2 140.00	49.94	98.51
		Middle	2 145.00	50.06	101.48
		High	2 150.00	50.09	102.21
	16QAM	Low	2 140.00	50.00	100.00
		Middle	2 145.00	50.01	100.28
		High	2 150.00	50.16	103.75
	64QAM	Low	2 140.00	49.99	99.66
		Middle	2 145.00	49.96	99.20
		High	2 150.00	50.10	102.26
	256QAM	Low	2 140.00	50.05	101.18
		Middle	2 145.00	50.01	100.16
		High	2 150.00	50.14	103.20
3	QPSK	Low	2 140.00	49.58	90.82
		Middle	2 145.00	49.63	91.90
		High	2 150.00	49.75	94.38
	16QAM	Low	2 140.00	49.60	91.22
		Middle	2 145.00	49.52	89.56
		High	2 150.00	49.65	92.36
	64QAM	Low	2 140.00	49.60	91.26
		Middle	2 145.00	49.56	90.34
		High	2 150.00	49.71	93.63
	256QAM	Low	2 140.00	49.63	91.92
		Middle	2 145.00	49.60	91.20
		High	2 150.00	49.79	95.24

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 140.00	378.15	383.14	381.55	384.74
2 145.00	383.07	374.95	375.89	381.11
2 150.00	391.21	392.88	387.84	394.31

Tabular Data of RF Non-Contiguous Output Power

(4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	B25 DSS 10 MHz 1 Carrier		B25 LTE 5 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	1 935.00	45.39	1 992.50	42.69	47.26	53.15
	16QAM	1 935.00	45.38	1 992.50	42.65	47.24	52.95
	64QAM	1 935.00	45.44	1 992.50	42.82	47.33	54.14
	256QAM	1 935.00	45.44	1 992.50	42.72	47.30	53.72
1	QPSK	1 935.00	45.41	1 992.50	42.74	47.29	53.55
	16QAM	1 935.00	45.37	1 992.50	42.62	47.22	52.69
	64QAM	1 935.00	45.42	1 992.50	42.81	47.32	53.91
	256QAM	1 935.00	45.37	1 992.50	42.76	47.27	53.30
2	QPSK	1 935.00	45.72	1 992.50	42.87	47.54	56.69
	16QAM	1 935.00	45.71	1 992.50	42.70	47.47	55.83
	64QAM	1 935.00	45.77	1 992.50	42.88	47.57	57.12
	256QAM	1 935.00	45.75	1 992.50	42.77	47.52	56.56
3	QPSK	1 935.00	45.81	1 992.50	43.27	47.73	59.36
	16QAM	1 935.00	45.84	1 992.50	43.27	47.75	59.59
	64QAM	1 935.00	45.78	1 992.50	43.37	47.75	59.55
	256QAM	1 935.00	45.78	1 992.50	43.29	47.72	59.20

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 935.00 + 1 992.50	222.77	221.06	224.71	222.76

(4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	B25 DSS 20 MHz 1 Carrier		B25 LTE 10 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	1 940.00	46.58	1 990.00	43.90	48.45	70.05
	16QAM	1 940.00	46.60	1 990.00	43.93	48.48	70.45
	64QAM	1 940.00	46.59	1 990.00	43.97	48.48	70.53
	256QAM	1 940.00	46.79	1 990.00	44.17	48.68	73.84
1	QPSK	1 940.00	46.67	1 990.00	43.78	48.47	70.31
	16QAM	1 940.00	46.63	1 990.00	43.52	48.36	68.50
	64QAM	1 940.00	46.56	1 990.00	43.83	48.42	69.44
	256QAM	1 940.00	46.91	1 990.00	43.95	48.69	73.93
2	QPSK	1 940.00	46.95	1 990.00	43.91	48.70	74.08
	16QAM	1 940.00	46.94	1 990.00	43.86	48.68	73.81
	64QAM	1 940.00	46.91	1 990.00	43.90	48.67	73.65
	256QAM	1 940.00	46.98	1 990.00	44.00	48.75	75.08
3	QPSK	1 940.00	46.91	1 990.00	44.14	48.75	75.08
	16QAM	1 940.00	46.95	1 990.00	44.26	48.82	76.21
	64QAM	1 940.00	46.96	1 990.00	44.18	48.80	75.86
	256QAM	1 940.00	46.99	1 990.00	44.26	48.85	76.65

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 940.00 + 1 990.00	289.51	288.98	289.49	299.49

(4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	B25 DSS 10 MHz 1 Carrier		n25 5G NR 5 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	1 935.00	45.35	1 992.50	42.79	47.27	53.35
	16QAM	1 935.00	45.35	1 992.50	42.64	47.22	52.67
	64QAM	1 935.00	45.31	1 992.50	42.80	47.25	53.05
	256QAM	1 935.00	45.38	1 992.50	42.78	47.28	53.47
1	QPSK	1 935.00	45.42	1 992.50	42.87	47.34	54.19
	16QAM	1 935.00	45.43	1 992.50	42.83	47.33	54.13
	64QAM	1 935.00	45.38	1 992.50	42.78	47.28	53.48
	256QAM	1 935.00	45.35	1 992.50	42.79	47.27	53.30
2	QPSK	1 935.00	45.73	1 992.50	42.83	47.53	56.64
	16QAM	1 935.00	45.73	1 992.50	42.87	47.54	56.77
	64QAM	1 935.00	45.77	1 992.50	42.79	47.54	56.81
	256QAM	1 935.00	45.81	1 992.50	42.87	47.59	57.42
3	QPSK	1 935.00	45.75	1 992.50	43.10	47.63	58.00
	16QAM	1 935.00	45.82	1 992.50	43.19	47.71	58.99
	64QAM	1 935.00	45.80	1 992.50	43.31	47.74	59.43
	256QAM	1 935.00	45.75	1 992.50	43.26	47.69	58.72

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 935.00 + 1 992.50	222.16	222.56	222.77	222.90

(4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	B25 DSS 10 MHz 1 Carrier		n25 5G NR 20 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	1 935.00	43.83	1 985.00	47.16	48.82	76.23
	16QAM	1 935.00	43.76	1 985.00	47.18	48.81	76.02
	64QAM	1 935.00	43.73	1 985.00	47.17	48.79	75.74
	256QAM	1 935.00	43.80	1 985.00	47.18	48.82	76.28
1	QPSK	1 935.00	43.81	1 985.00	47.06	48.74	74.80
	16QAM	1 935.00	43.77	1 985.00	47.11	48.77	75.28
	64QAM	1 935.00	43.84	1 985.00	47.14	48.81	75.95
	256QAM	1 935.00	43.82	1 985.00	47.14	48.80	75.91
2	QPSK	1 935.00	44.20	1 985.00	47.28	49.02	79.76
	16QAM	1 935.00	44.21	1 985.00	47.32	49.05	80.32
	64QAM	1 935.00	44.29	1 985.00	47.33	49.08	80.93
	256QAM	1 935.00	44.21	1 985.00	47.32	49.05	80.26
3	QPSK	1 935.00	44.17	1 985.00	47.31	49.03	79.95
	16QAM	1 935.00	44.28	1 985.00	47.41	49.13	81.90
	64QAM	1 935.00	44.27	1 985.00	47.47	49.17	82.62
	256QAM	1 935.00	44.28	1 985.00	47.46	49.17	82.57

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
1 935.00 + 1 985.00	310.73	313.52	315.24	315.01

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

Ant.	Mod.	B66 DSS 10 MHz 1 Carrier		B66 LTE 5 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 115.00	45.47	2 177.50	42.49	47.24	53.03
	16QAM	2 115.00	45.32	2 177.50	42.20	47.04	50.63
	64QAM	2 115.00	45.41	2 177.50	42.41	47.18	52.18
	256QAM	2 115.00	45.38	2 177.50	42.37	47.14	51.77
1	QPSK	2 115.00	45.62	2 177.50	42.80	47.44	55.51
	16QAM	2 115.00	45.58	2 177.50	42.47	47.31	53.79
	64QAM	2 115.00	45.58	2 177.50	42.61	47.36	54.44
	256QAM	2 115.00	45.59	2 177.50	42.57	47.35	54.28
2	QPSK	2 115.00	45.85	2 177.50	43.00	47.67	58.47
	16QAM	2 115.00	45.83	2 177.50	42.86	47.61	57.62
	64QAM	2 115.00	45.88	2 177.50	42.96	47.67	58.45
	256QAM	2 115.00	45.30	2 177.50	42.90	47.27	53.38
3	QPSK	2 115.00	45.37	2 177.50	42.38	47.14	51.76
	16QAM	2 115.00	45.37	2 177.50	42.41	47.15	51.83
	64QAM	2 115.00	45.30	2 177.50	42.38	47.09	51.14
	256QAM	2 115.00	45.39	2 177.50	42.41	47.16	52.04

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 115.00 + 2 177.50	218.76	213.88	216.22	211.48

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod.	B66 DSS 10 MHz 1 Carrier		n66 5G NR 5 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 115.00	45.27	2 177.50	42.32	47.05	50.68
	16QAM	2 115.00	45.33	2 177.50	42.45	47.13	51.69
	64QAM	2 115.00	45.35	2 177.50	42.53	47.18	52.20
	256QAM	2 115.00	45.33	2 177.50	42.52	47.16	51.94
1	QPSK	2 115.00	45.34	2 177.50	42.49	47.16	51.94
	16QAM	2 115.00	45.50	2 177.50	42.59	47.29	53.59
	64QAM	2 115.00	45.49	2 177.50	42.65	47.31	53.85
	256QAM	2 115.00	45.32	2 177.50	42.69	47.21	52.58
2	QPSK	2 115.00	45.62	2 177.50	42.81	47.45	55.54
	16QAM	2 115.00	45.55	2 177.50	42.86	47.42	55.25
	64QAM	2 115.00	45.41	2 177.50	42.77	47.30	53.69
	256QAM	2 115.00	45.33	2 177.50	42.98	47.32	53.94
3	QPSK	2 115.00	45.29	2 177.50	42.34	47.07	50.97
	16QAM	2 115.00	45.24	2 177.50	42.33	47.03	50.50
	64QAM	2 115.00	45.21	2 177.50	42.37	47.03	50.48
	256QAM	2 115.00	45.25	2 177.50	42.45	47.08	51.04

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 115.00 + 2 177.50	209.14	211.04	210.22	209.51

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod.	B66 DSS 10 MHz 1 Carrier		n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 115.00	45.48	2 175.00	45.57	48.54	71.38
	16QAM	2 115.00	45.21	2 175.00	45.35	48.29	67.45
	64QAM	2 115.00	45.14	2 175.00	45.30	48.23	66.53
	256QAM	2 115.00	45.13	2 175.00	45.38	48.27	67.14
1	QPSK	2 115.00	45.64	2 175.00	45.82	48.74	74.78
	16QAM	2 115.00	45.72	2 175.00	45.83	48.79	75.63
	64QAM	2 115.00	45.75	2 175.00	45.85	48.81	76.07
	256QAM	2 115.00	45.69	2 175.00	45.80	48.75	75.02
2	QPSK	2 115.00	45.78	2 175.00	45.99	48.90	77.55
	16QAM	2 115.00	45.77	2 175.00	45.92	48.86	76.86
	64QAM	2 115.00	45.72	2 175.00	45.92	48.83	76.40
	256QAM	2 115.00	45.76	2 175.00	45.93	48.86	76.86
3	QPSK	2 115.00	45.46	2 175.00	45.46	48.47	70.31
	16QAM	2 115.00	45.17	2 175.00	45.29	48.24	66.68
	64QAM	2 115.00	45.07	2 175.00	45.32	48.21	66.16
	256QAM	2 115.00	45.18	2 175.00	45.34	48.27	67.16

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 115.00 + 2 175.00	294.02	286.63	285.16	286.18

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod.	B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier		B66 LTE 5 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 117.50	46.87	2 177.50	42.16	48.14	65.10
	16QAM	2 117.50	46.87	2 177.50	42.19	48.14	65.16
	64QAM	2 117.50	46.83	2 177.50	42.22	48.12	64.86
	256QAM	2 117.50	46.89	2 177.50	42.26	48.18	65.69
1	QPSK	2 117.50	47.50	2 177.50	42.69	48.74	74.78
	16QAM	2 117.50	47.48	2 177.50	42.60	48.70	74.17
	64QAM	2 117.50	47.44	2 177.50	42.66	48.69	73.94
	256QAM	2 117.50	47.49	2 177.50	42.81	48.76	75.20
2	QPSK	2 117.50	47.53	2 177.50	42.82	48.80	75.81
	16QAM	2 117.50	47.41	2 177.50	42.25	48.56	71.80
	64QAM	2 117.50	47.45	2 177.50	42.79	48.73	74.58
	256QAM	2 117.50	47.55	2 177.50	42.79	48.80	75.88
3	QPSK	2 117.50	46.93	2 177.50	42.21	48.19	65.92
	16QAM	2 117.50	46.94	2 177.50	42.12	48.18	65.71
	64QAM	2 117.50	46.98	2 177.50	42.28	48.25	66.80
	256QAM	2 117.50	47.06	2 177.50	42.22	48.29	67.50

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 117.50 + 2 177.50	281.61	276.83	280.21	284.26

(4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] (1C+3C)

Ant.	Mod.	B66 DSS 20 MHz 1 Carrier		B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 120.00	44.78	2 160.00	47.65	49.46	88.27
	16QAM	2 120.00	44.82	2 160.00	47.78	49.56	90.32
	64QAM	2 120.00	44.88	2 160.00	47.88	49.64	92.15
	256QAM	2 120.00	44.85	2 160.00	47.84	49.61	91.43
1	QPSK	2 120.00	45.16	2 160.00	48.25	49.98	99.56
	16QAM	2 120.00	45.12	2 160.00	48.22	49.95	98.86
	64QAM	2 120.00	45.18	2 160.00	48.22	49.97	99.40
	256QAM	2 120.00	45.11	2 160.00	48.13	49.88	97.36
2	QPSK	2 120.00	45.13	2 160.00	48.22	49.95	98.92
	16QAM	2 120.00	45.20	2 160.00	48.26	50.01	100.12
	64QAM	2 120.00	45.20	2 160.00	48.30	50.03	100.67
	256QAM	2 120.00	45.14	2 160.00	48.27	49.99	99.84
3	QPSK	2 120.00	44.70	2 160.00	47.82	49.55	90.09
	16QAM	2 120.00	44.76	2 160.00	47.79	49.55	90.07
	64QAM	2 120.00	44.85	2 160.00	47.81	49.59	91.05
	256QAM	2 120.00	44.83	2 160.00	47.82	49.59	90.93

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 120.00 + 2 160.00	376.85	379.37	383.28	379.59

(4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] (3C+1C)

Ant.	Mod.	B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier		B66 LTE 20 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 130.00	47.83	2 170.00	44.81	49.59	90.99
	16QAM	2 130.00	47.81	2 170.00	44.65	49.52	89.58
	64QAM	2 130.00	47.86	2 170.00	44.66	49.56	90.36
	256QAM	2 130.00	47.83	2 170.00	44.71	49.55	90.22
1	QPSK	2 130.00	48.17	2 170.00	45.22	49.95	98.88
	16QAM	2 130.00	48.13	2 170.00	45.09	49.88	97.25
	64QAM	2 130.00	48.04	2 170.00	45.05	49.81	95.68
	256QAM	2 130.00	48.10	2 170.00	45.09	49.86	96.87
2	QPSK	2 130.00	48.20	2 170.00	45.25	49.98	99.54
	16QAM	2 130.00	48.16	2 170.00	45.16	49.93	98.33
	64QAM	2 130.00	48.09	2 170.00	45.15	49.88	97.19
	256QAM	2 130.00	48.15	2 170.00	45.18	49.93	98.31
3	QPSK	2 130.00	47.84	2 170.00	44.72	49.57	90.55
	16QAM	2 130.00	47.85	2 170.00	44.69	49.56	90.34
	64QAM	2 130.00	47.73	2 170.00	44.59	49.45	88.06
	256QAM	2 130.00	47.82	2 170.00	44.69	49.54	89.93

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 130.00 + 2 170.00	379.96	375.50	371.31	375.34

(4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C)

Ant.	Mod.	B66 DSS 20 MHz 1 Carrier		n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 120.00	44.75	2 160.00	47.62	49.43	87.68
	16QAM	2 120.00	44.70	2 160.00	47.57	49.37	86.60
	64QAM	2 120.00	44.66	2 160.00	47.66	49.42	87.56
	256QAM	2 120.00	44.66	2 160.00	47.58	49.37	86.54
1	QPSK	2 120.00	44.94	2 160.00	47.99	49.74	94.15
	16QAM	2 120.00	44.96	2 160.00	47.91	49.69	93.11
	64QAM	2 120.00	44.98	2 160.00	48.04	49.78	95.15
	256QAM	2 120.00	45.02	2 160.00	48.05	49.81	95.68
2	QPSK	2 120.00	45.03	2 160.00	48.04	49.80	95.43
	16QAM	2 120.00	45.00	2 160.00	48.09	49.82	96.05
	64QAM	2 120.00	45.06	2 160.00	48.10	49.85	96.56
	256QAM	2 120.00	45.10	2 160.00	48.18	49.92	98.13
3	QPSK	2 120.00	44.70	2 160.00	47.73	49.48	88.76
	16QAM	2 120.00	44.66	2 160.00	47.73	49.47	88.55
	64QAM	2 120.00	44.73	2 160.00	47.73	49.50	89.08
	256QAM	2 120.00	44.75	2 160.00	47.77	49.53	89.68

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 120.00 + 2 160.00	366.03	364.31	368.37	370.03

(4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C)

Ant.	Mod.	B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier		B66 LTE 5 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 137.50	48.97	2 177.50	38.54	49.35	86.06
	16QAM	2 137.50	49.00	2 177.50	38.56	49.37	86.56
	64QAM	2 137.50	49.10	2 177.50	38.61	49.48	88.61
	256QAM	2 137.50	49.13	2 177.50	38.64	49.50	89.21
1	QPSK	2 137.50	49.37	2 177.50	38.90	49.74	94.17
	16QAM	2 137.50	49.35	2 177.50	38.82	49.72	93.78
	64QAM	2 137.50	49.35	2 177.50	38.79	49.72	93.73
	256QAM	2 137.50	49.32	2 177.50	38.90	49.70	93.30
2	QPSK	2 137.50	49.48	2 177.50	39.06	49.85	96.69
	16QAM	2 137.50	49.46	2 177.50	39.08	49.84	96.47
	64QAM	2 137.50	49.47	2 177.50	39.00	49.85	96.49
	256QAM	2 137.50	49.46	2 177.50	39.12	49.84	96.45
3	QPSK	2 137.50	49.08	2 177.50	38.51	49.44	87.94
	16QAM	2 137.50	49.13	2 177.50	38.58	49.49	88.96
	64QAM	2 137.50	49.14	2 177.50	38.57	49.50	89.17
	256QAM	2 137.50	49.11	2 177.50	38.60	49.48	88.70

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 137.50 + 2 177.50	364.89	365.78	368.02	367.67

(4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier [4 Carrier] (1C+3C)

Ant.	Mod.	B66 DSS 15 MHz 1 Carrier		n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 117.50	43.32	2 157.50	48.46	49.62	91.69
	16QAM	2 117.50	43.77	2 157.50	48.44	49.71	93.65
	64QAM	2 117.50	43.61	2 157.50	48.39	49.63	91.92
	256QAM	2 117.50	43.58	2 157.50	48.41	49.65	92.19
1	QPSK	2 117.50	43.91	2 157.50	48.77	50.00	99.95
	16QAM	2 117.50	43.86	2 157.50	48.73	49.95	98.95
	64QAM	2 117.50	43.92	2 157.50	48.75	49.98	99.56
	256QAM	2 117.50	43.87	2 157.50	48.69	49.93	98.29
2	QPSK	2 117.50	44.02	2 157.50	48.88	50.11	102.54
	16QAM	2 117.50	44.00	2 157.50	48.87	50.09	102.21
	64QAM	2 117.50	43.91	2 157.50	48.82	50.03	100.74
	256QAM	2 117.50	43.87	2 157.50	48.76	49.98	99.59
3	QPSK	2 117.50	43.70	2 157.50	48.48	49.73	93.99
	16QAM	2 117.50	43.66	2 157.50	48.41	49.67	92.60
	64QAM	2 117.50	43.50	2 157.50	48.16	49.44	87.82
	256QAM	2 117.50	43.55	2 157.50	48.36	49.60	91.18

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

Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 117.50 + 2 157.50	388.20	387.39	380.07	381.28

(4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier [4 Carrier] (3C+1C)

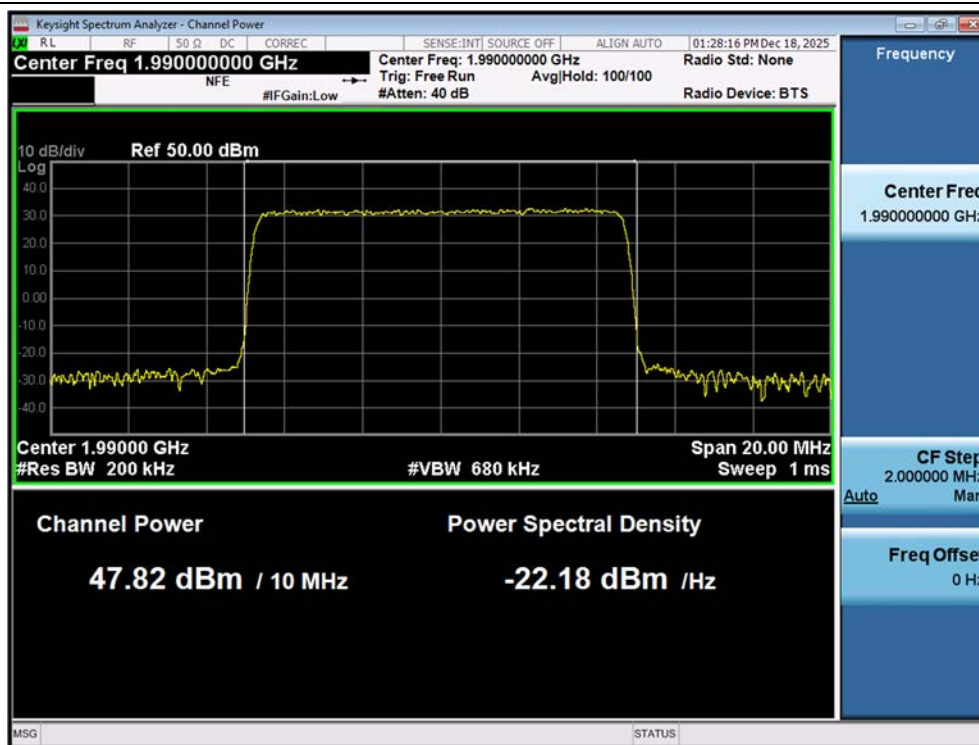
Ant.	Mod.	B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier		n66 5G NR 25 MHz 1 Carrier		Summation Value (dBm)	Calculated (W)
		Frequency (MHz)	Measured Level (dBm)	Frequency (MHz)	Measured Level (dBm)		
0	QPSK	2 127.50	47.04	2 167.50	45.51	49.35	86.14
	16QAM	2 127.50	47.10	2 167.50	45.58	49.41	87.38
	64QAM	2 127.50	47.12	2 167.50	45.56	49.42	87.56
	256QAM	2 127.50	47.04	2 167.50	45.56	49.37	86.54
1	QPSK	2 127.50	47.30	2 167.50	45.83	49.64	92.00
	16QAM	2 127.50	47.34	2 167.50	45.85	49.67	92.62
	64QAM	2 127.50	47.32	2 167.50	45.92	49.69	93.05
	256QAM	2 127.50	47.27	2 167.50	45.83	49.62	91.62
2	QPSK	2 127.50	47.42	2 167.50	45.99	49.77	94.89
	16QAM	2 127.50	47.43	2 167.50	45.97	49.77	94.89
	64QAM	2 127.50	47.48	2 167.50	46.00	49.81	95.76
	256QAM	2 127.50	47.41	2 167.50	46.01	49.78	95.02
3	QPSK	2 127.50	47.05	2 167.50	45.44	49.33	85.70
	16QAM	2 127.50	47.00	2 167.50	45.47	49.31	85.35
	64QAM	2 127.50	47.10	2 167.50	45.53	49.40	87.04
	256QAM	2 127.50	47.09	2 167.50	45.48	49.37	86.50

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

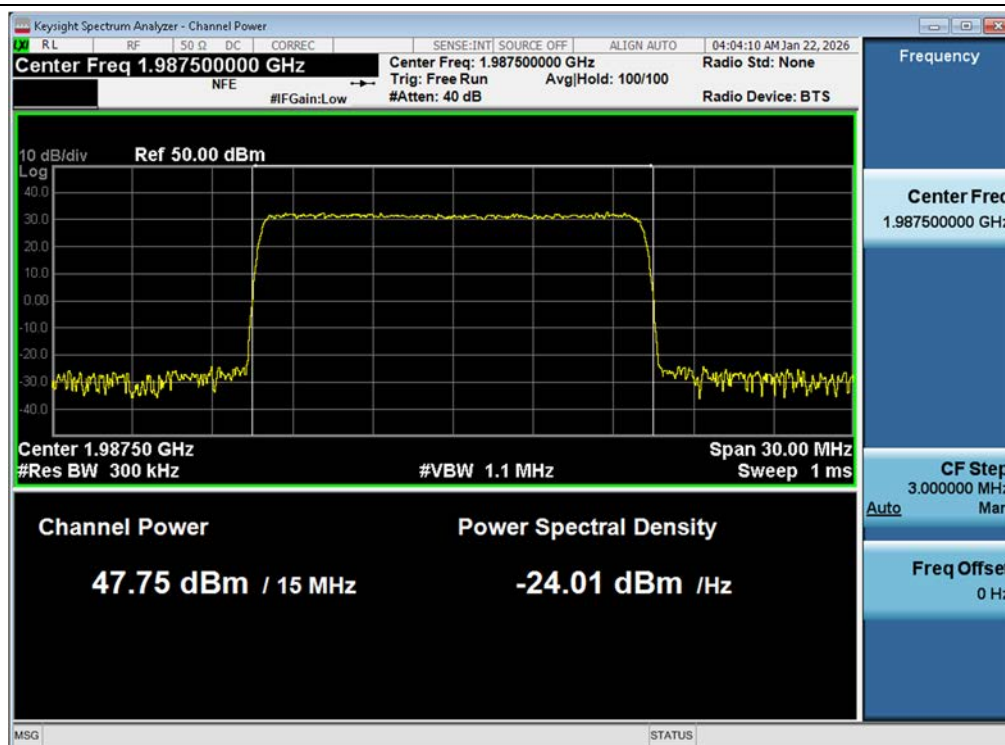
Frequency (MHz)	Output Power (Conducted)			
	QPSK	16QAM	64QAM	256QAM
	W			
2 127.50 + 2 167.50	358.74	360.24	363.40	359.69

Plot Data of RF Output Power

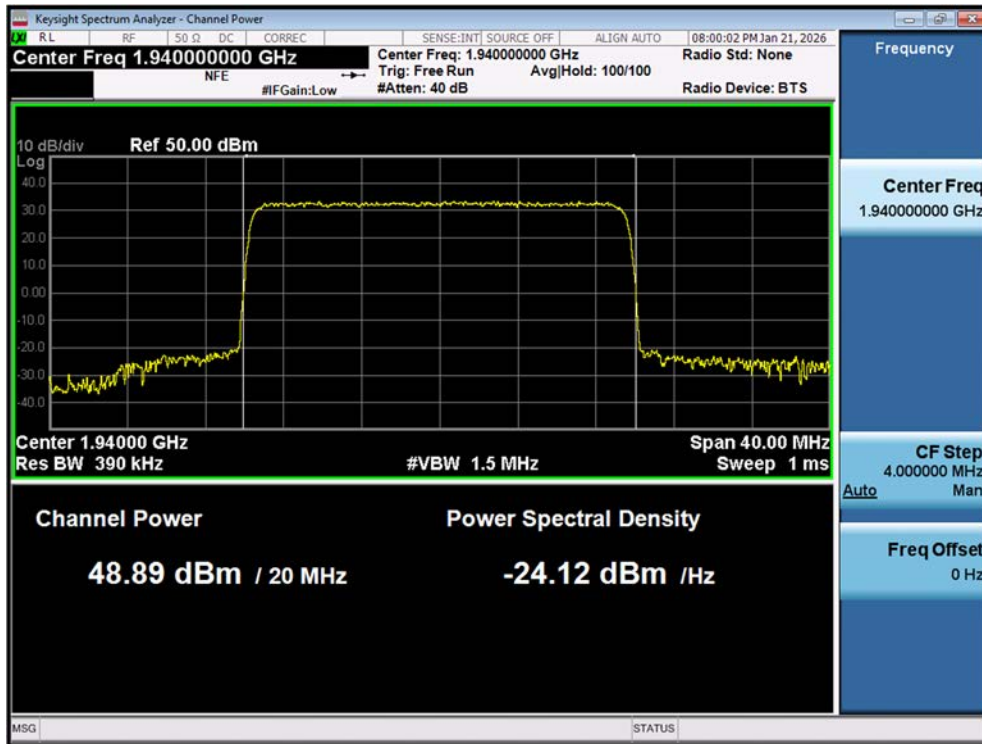
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier / QPSK / High



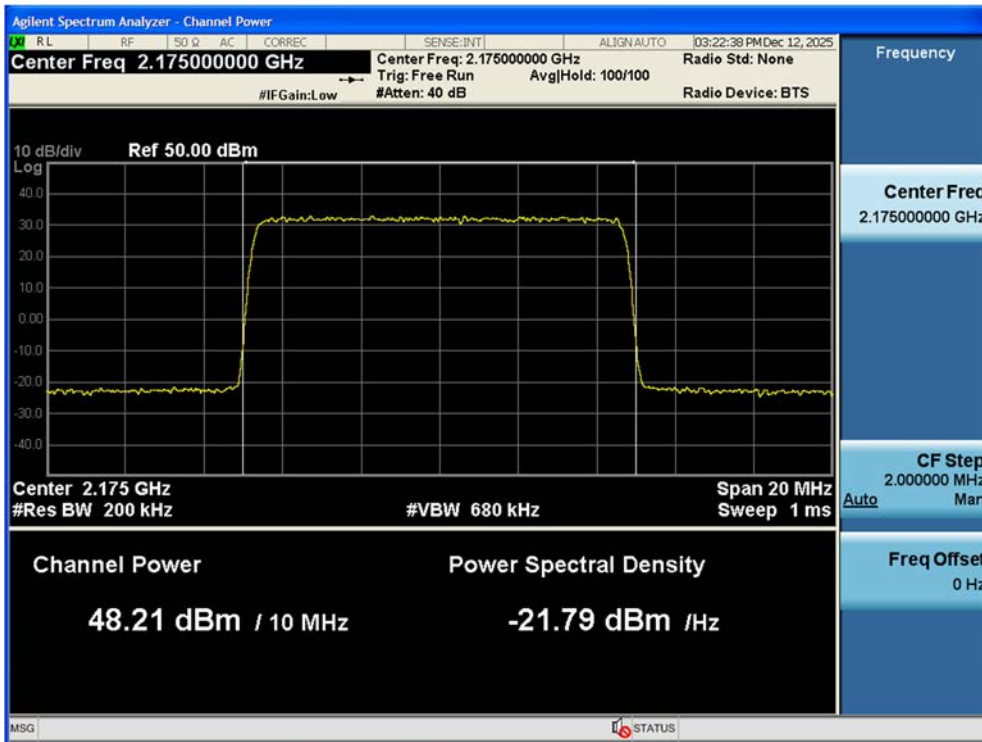
Antenna 2 / (4 Port) B25 DSS 15 MHz 1 Carrier / QPSK / High



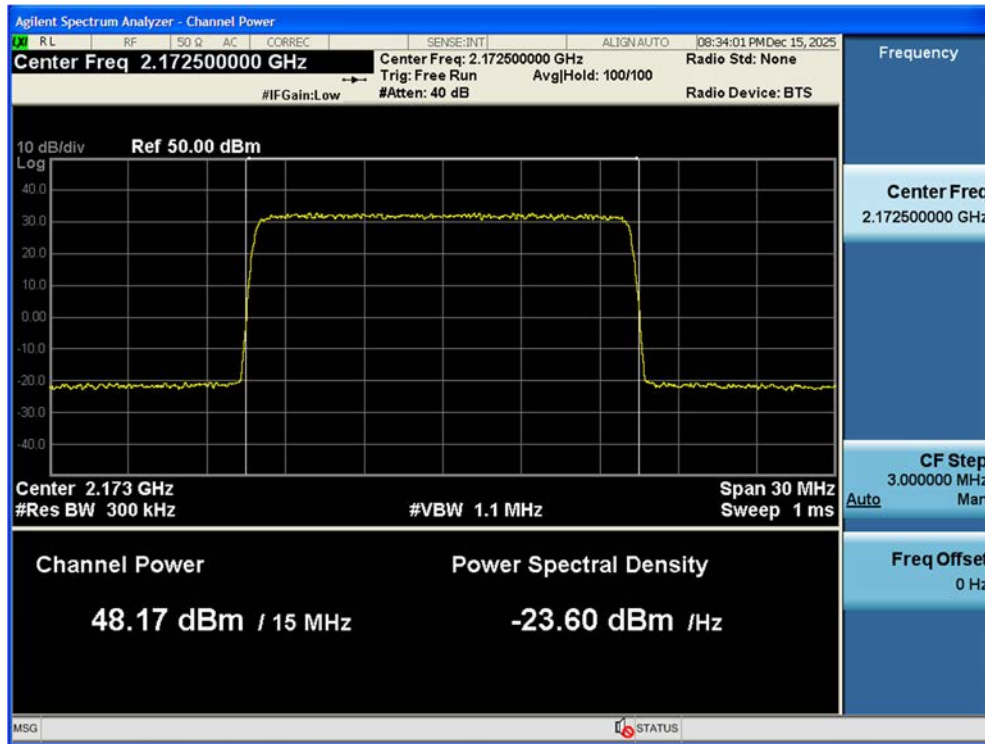
Antenna 3 / (4 Port) B25 DSS 20 MHz 1 Carrier / 256QAM / Low



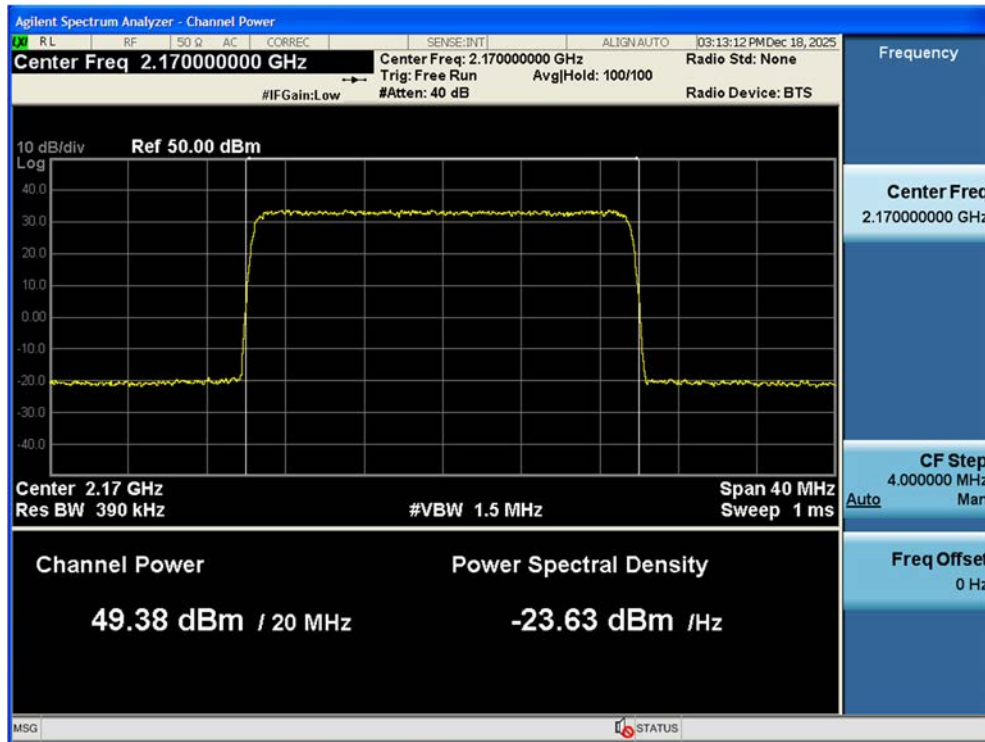
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier / 256QAM / High



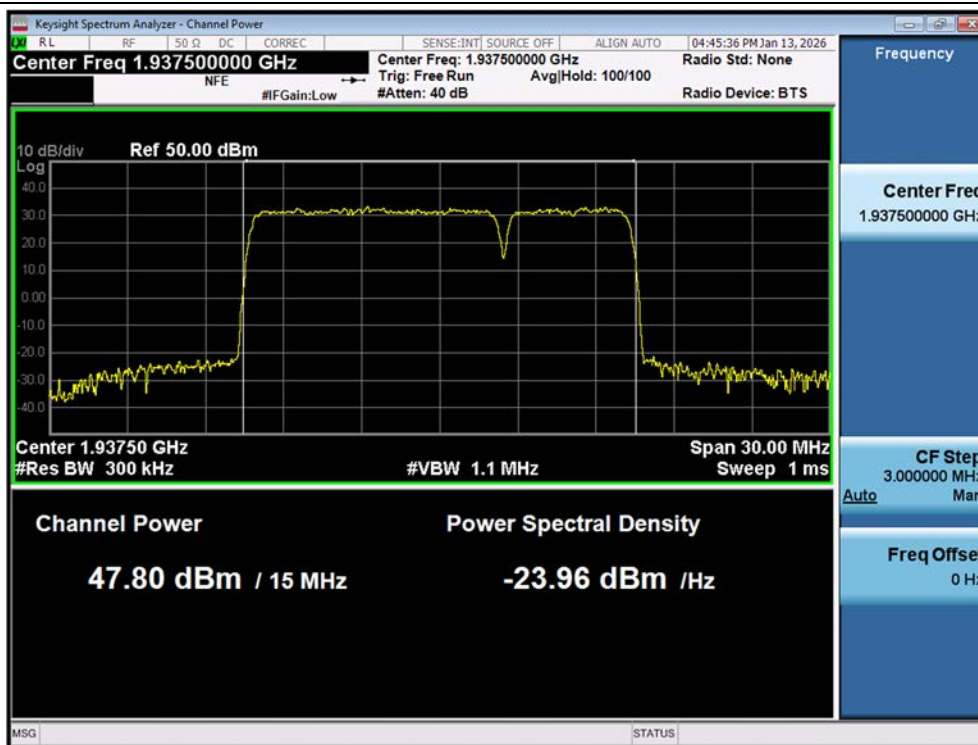
Antenna 2 / (4 Port) B66 DSS 15 MHz 1 Carrier / 256QAM / High



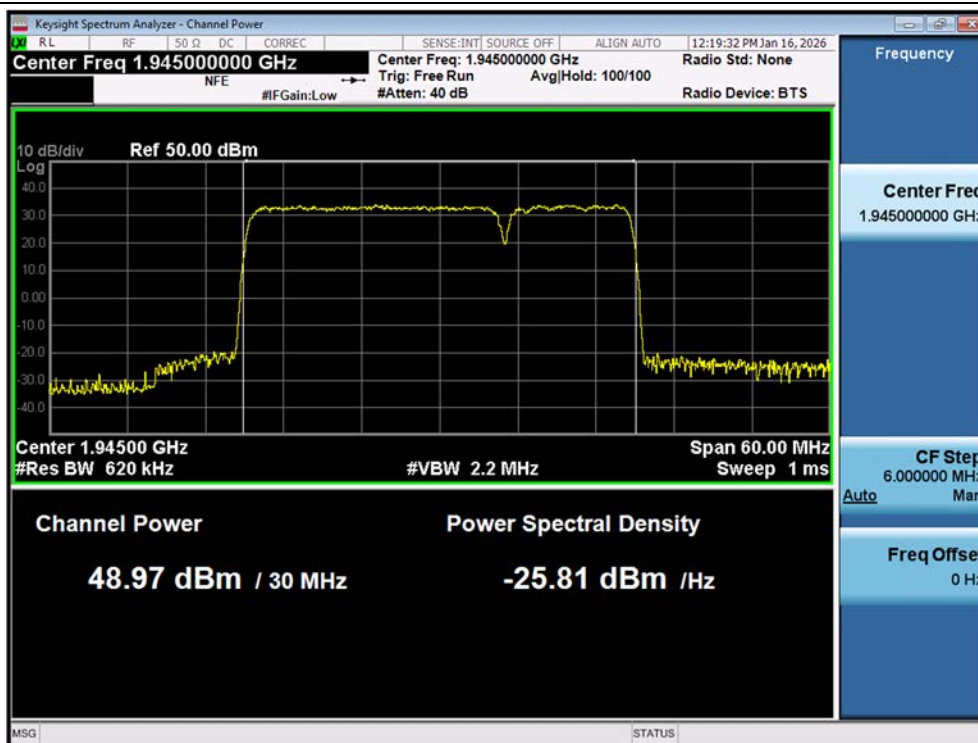
Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier / 256QAM / High



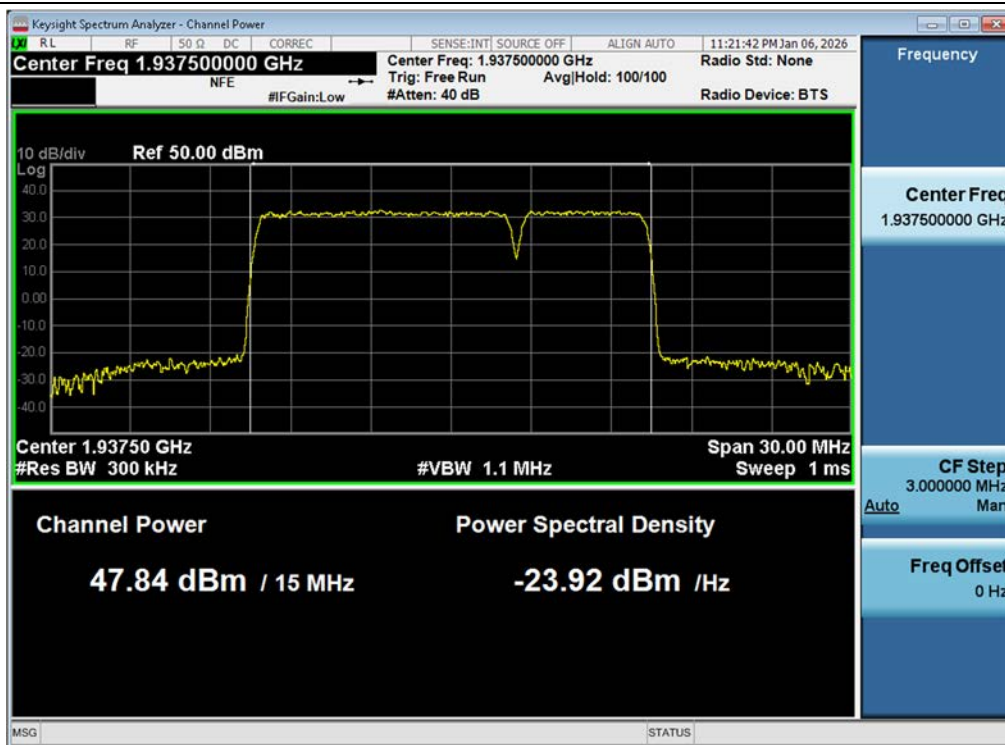
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Contiguous



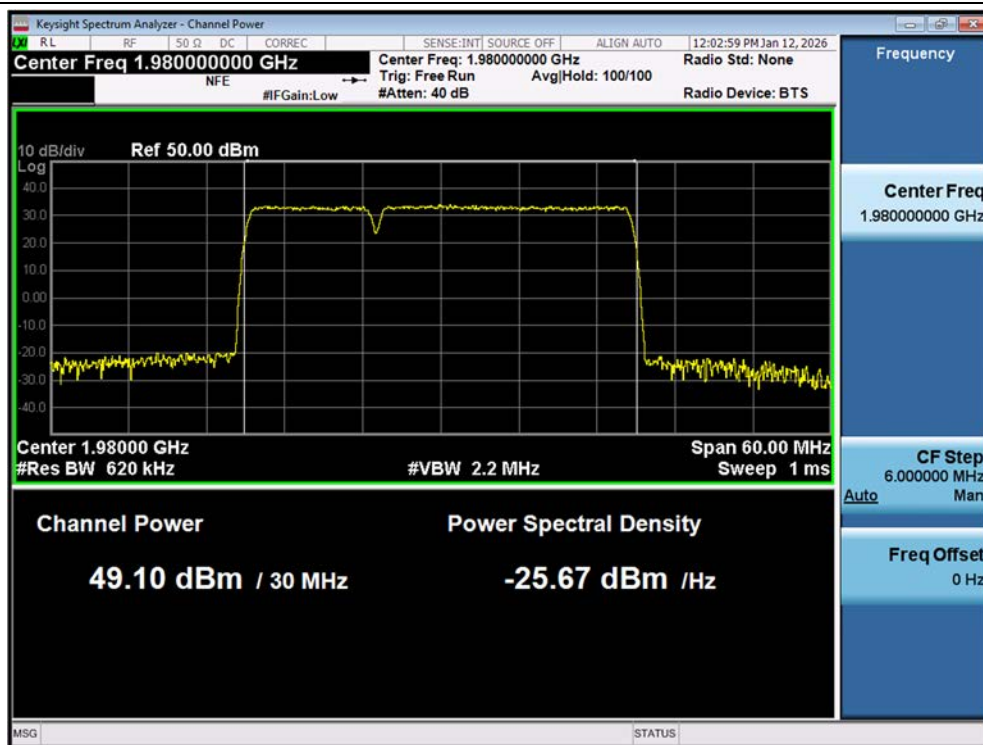
Antenna 3 / (4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Contiguous



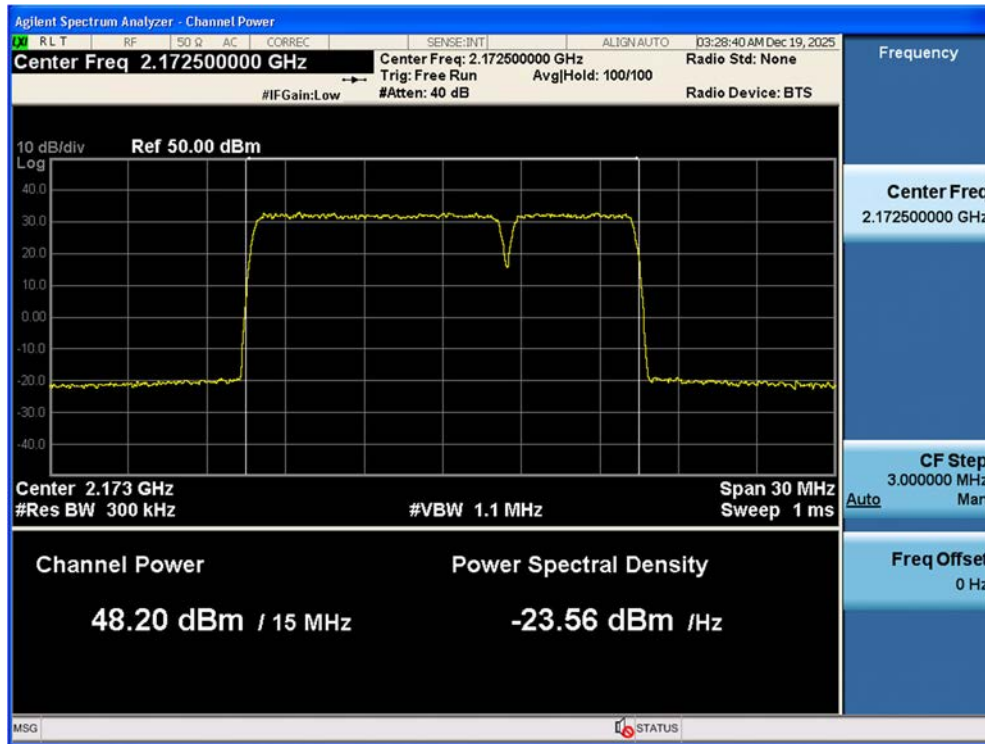
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Contiguous



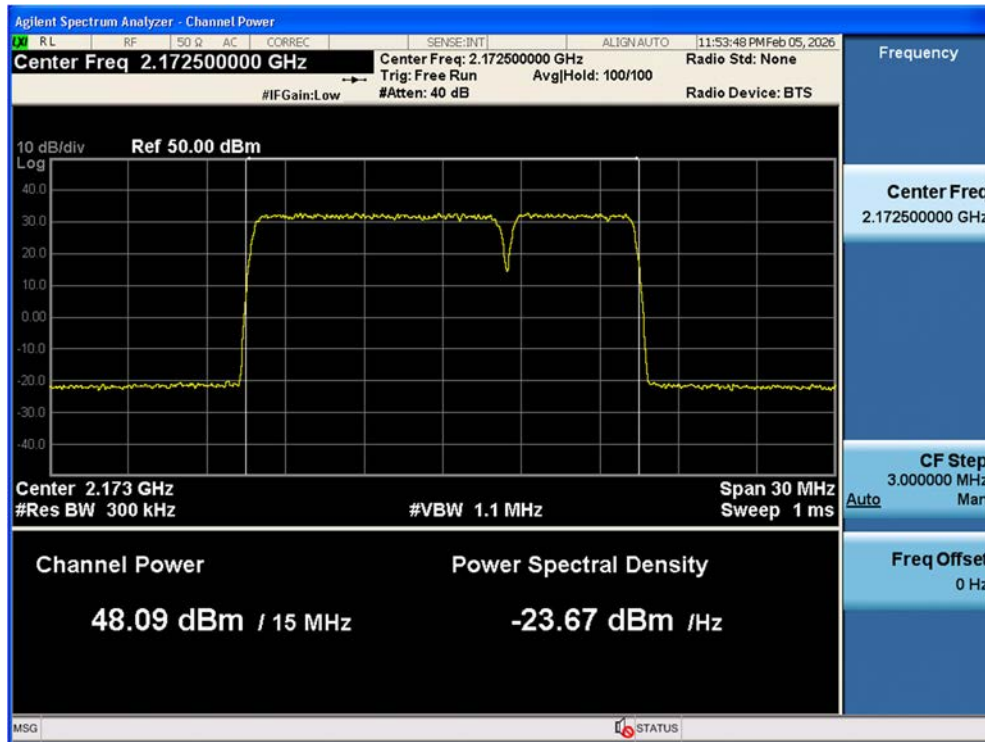
Antenna 2 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier] / 256QAM / High / Contiguous



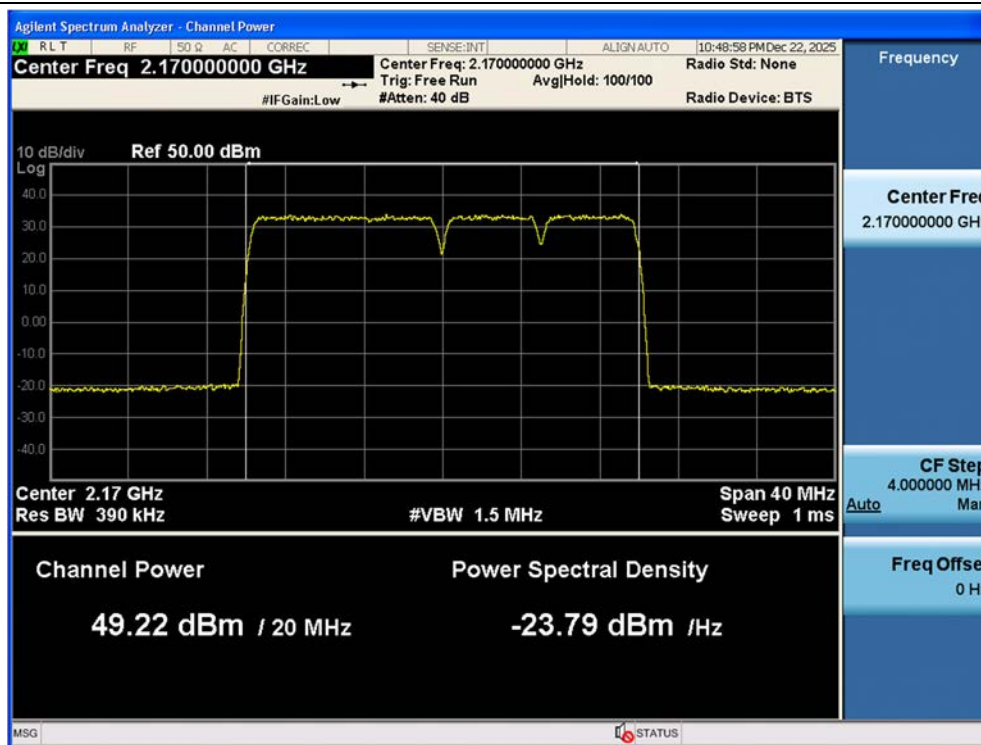
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / 256QAM / High / Contiguous



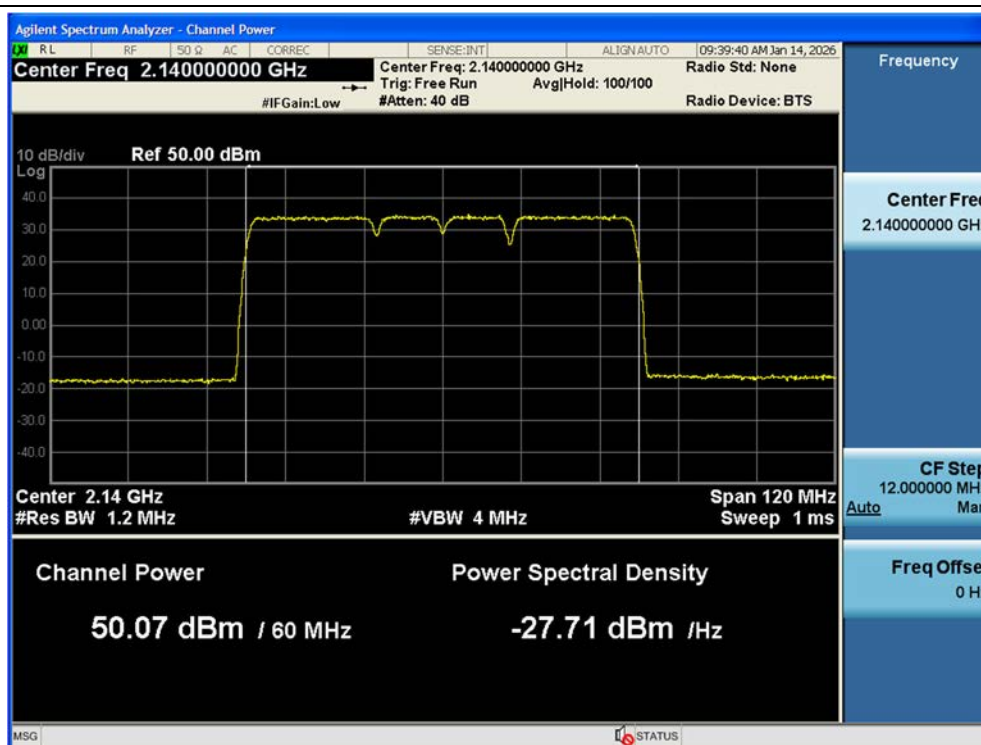
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / High / Contiguous



Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] / QPSK / High / Contiguous

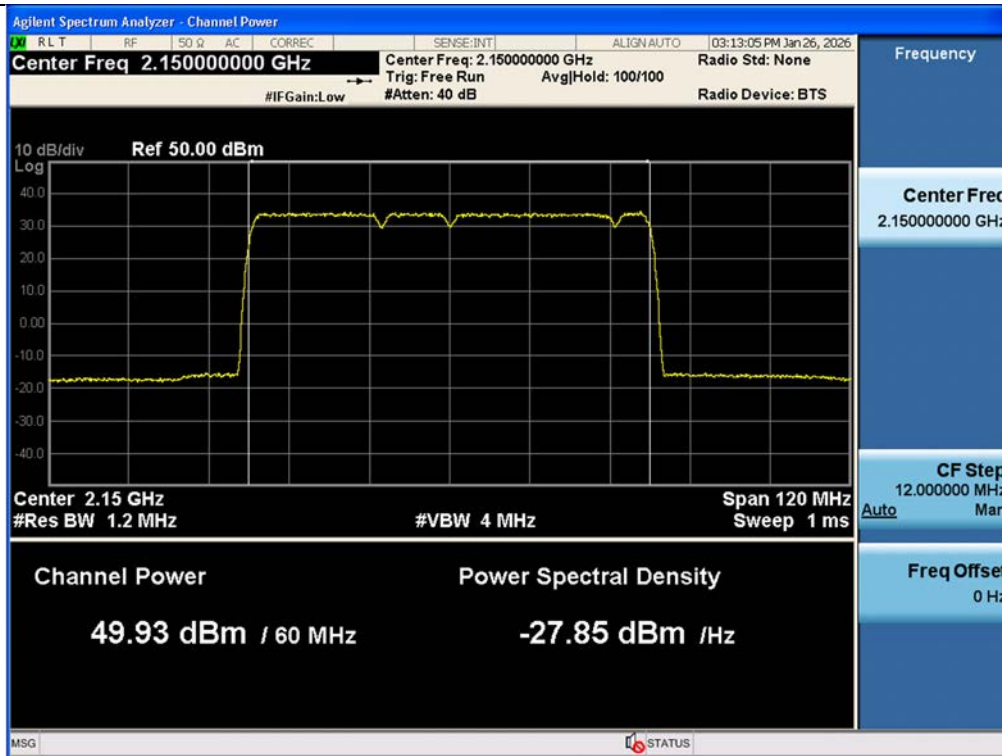


Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] / QPSK / Low / Contiguous



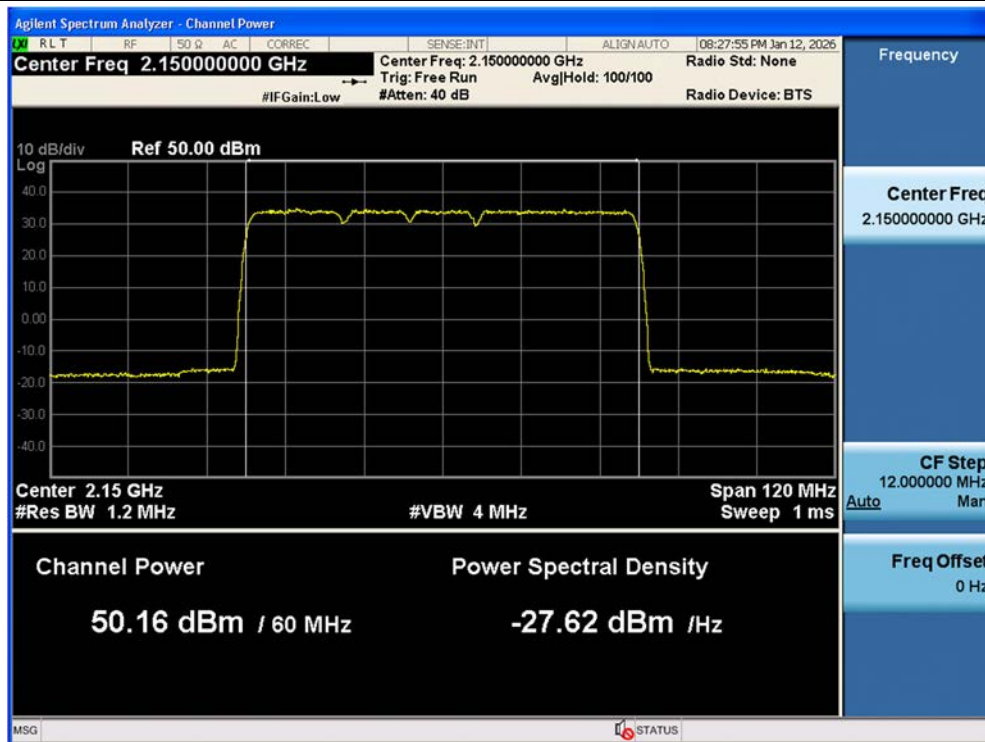
Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] / 256QAM / High /

Contiguous

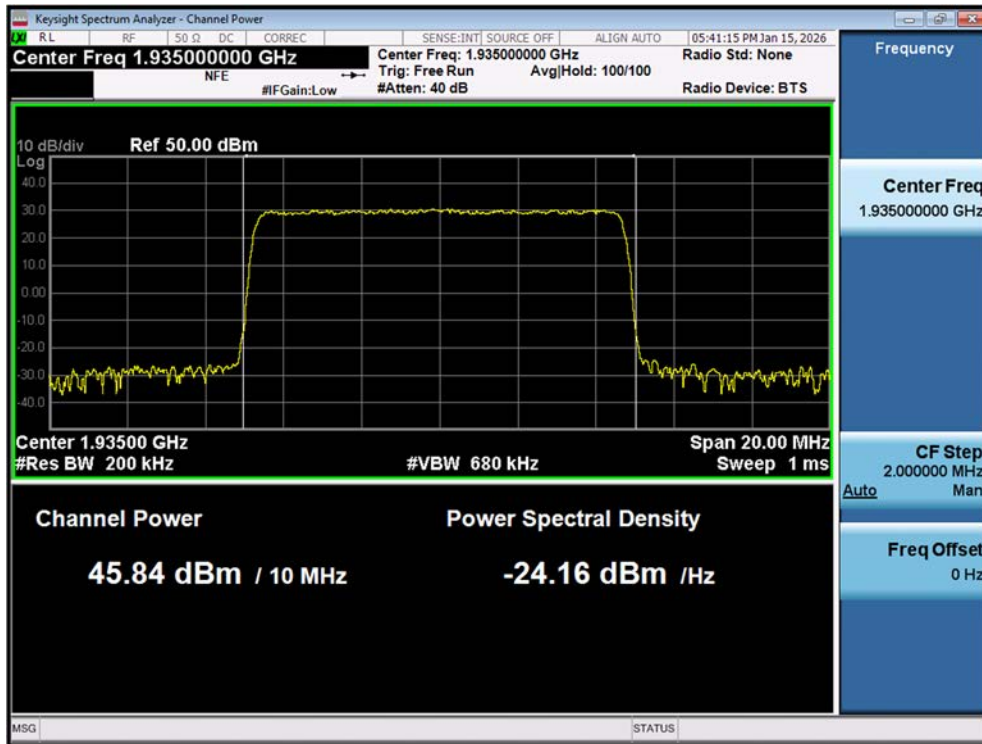


Antenna 2 / (4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier [4 Carrier] / 16QAM / High /

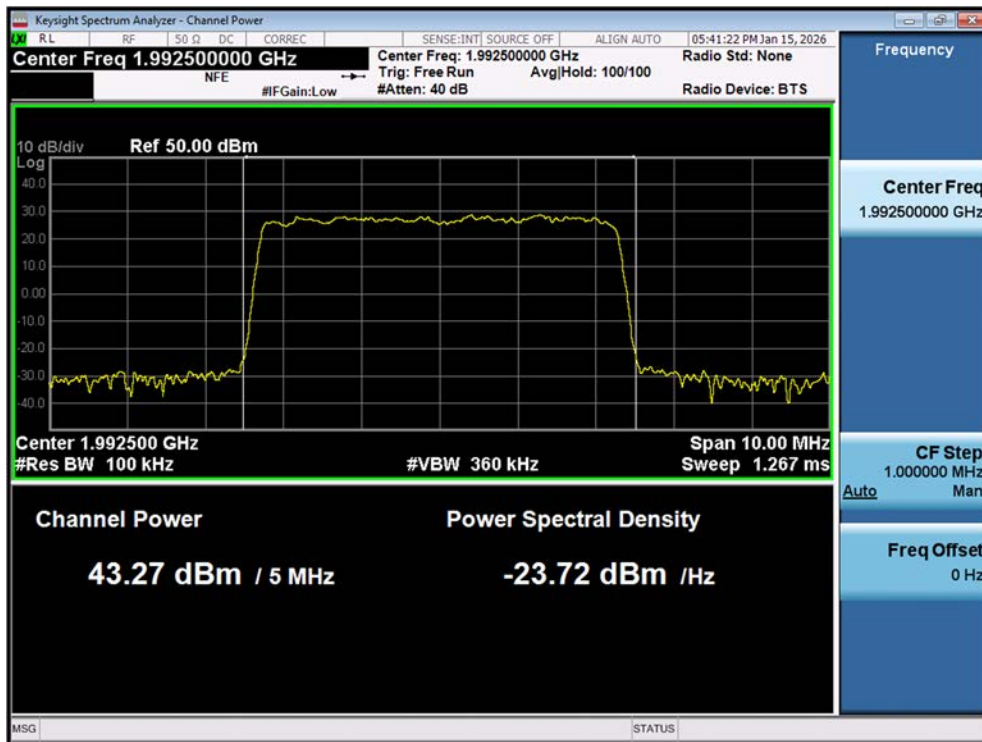
Contiguous



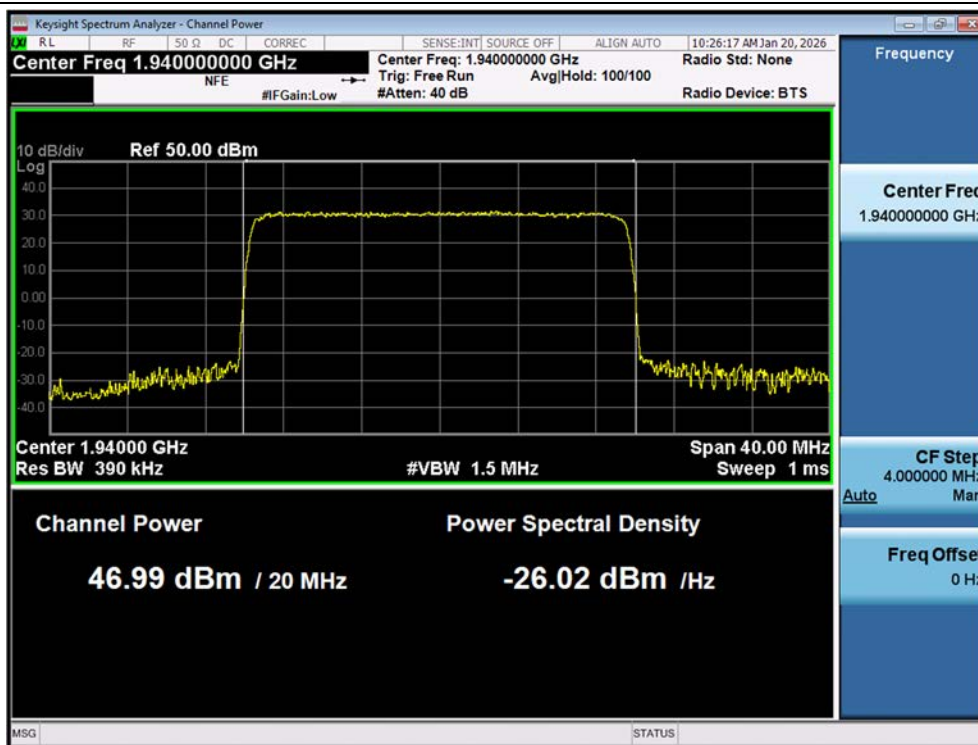
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Non-Contiguous



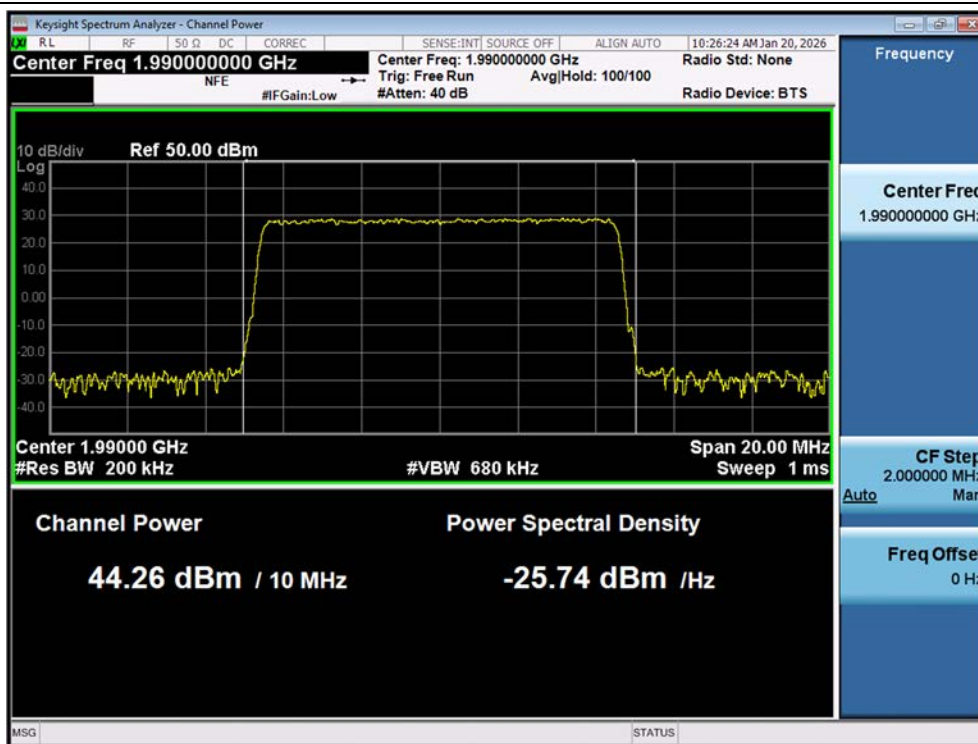
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier] / 16QAM / High / Non-Contiguous



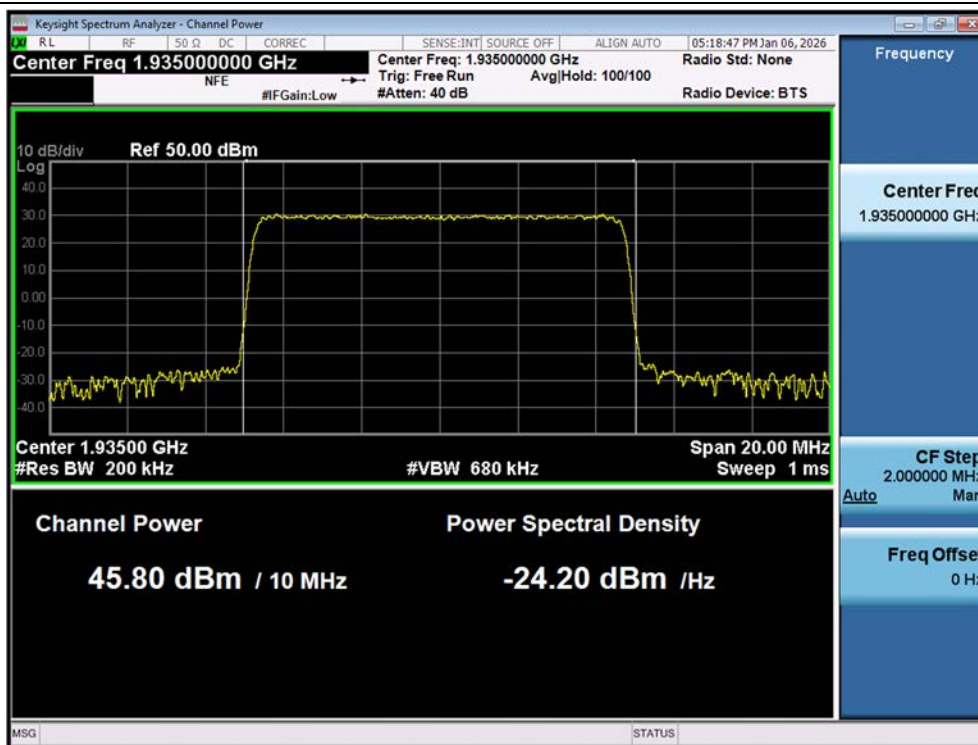
Antenna 3 / (4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / 256QAM / Low / Non-Contiguous



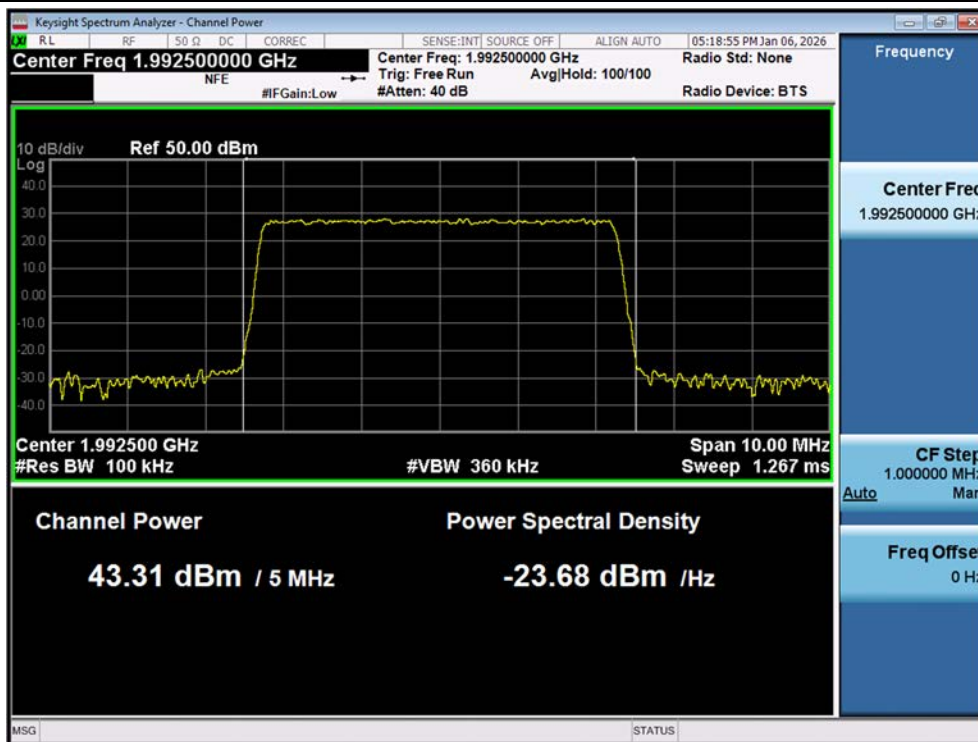
Antenna 3 / (4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / 256QAM / High / Non-Contiguous



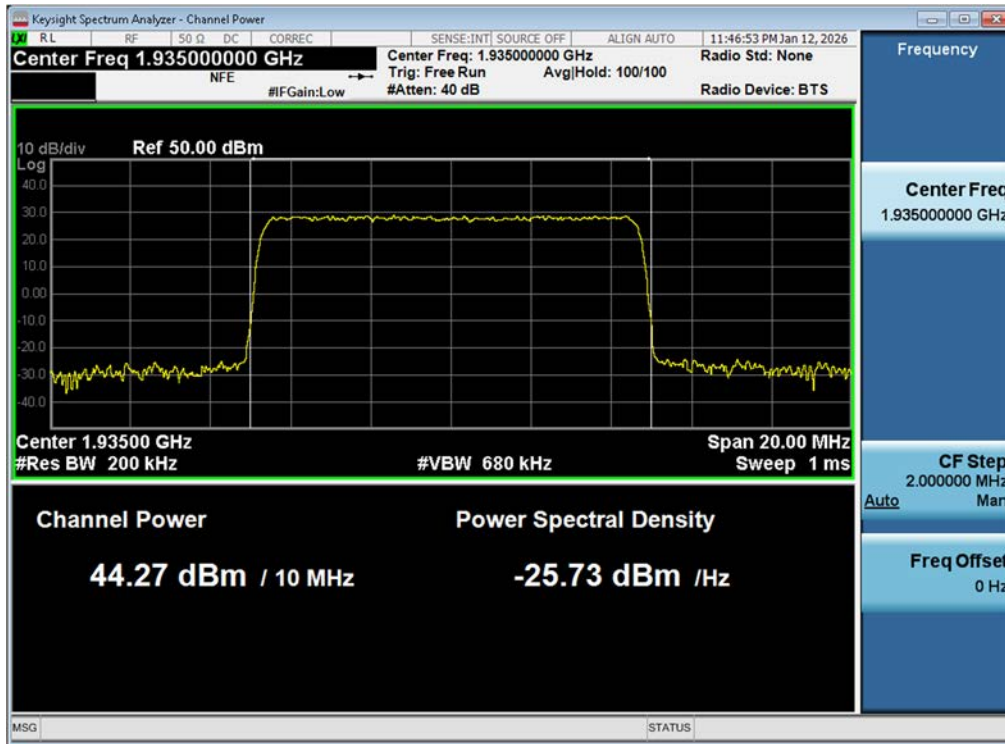
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / Low / Non-Contiguous



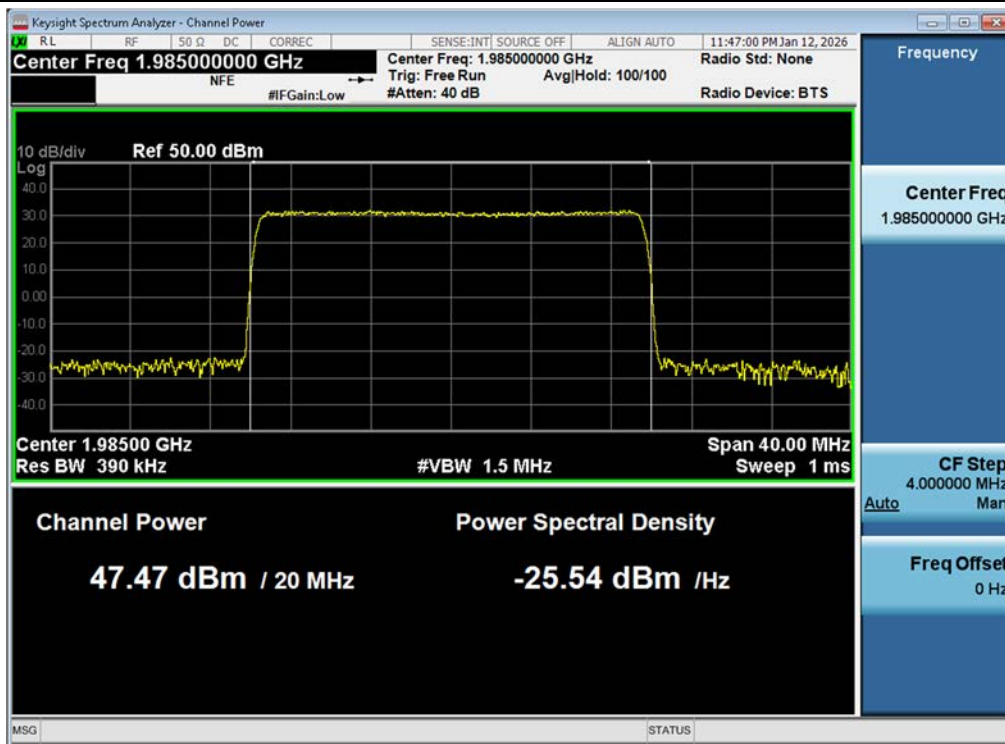
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / High / Non-Contiguous



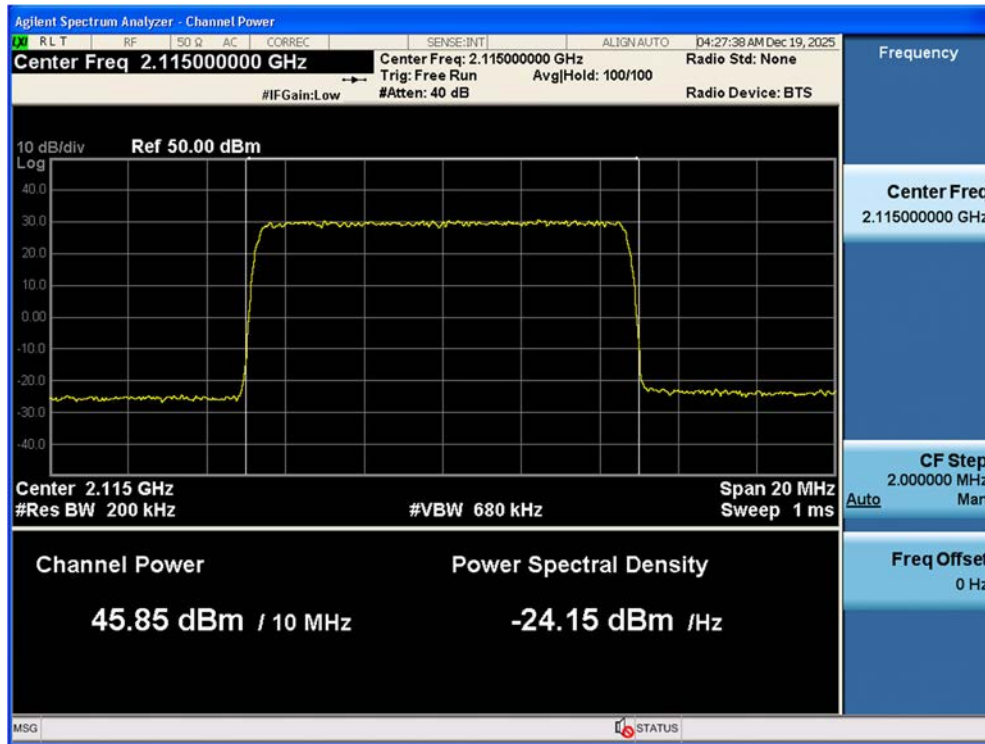
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier] / 64QAM / Low / Non-Contiguous



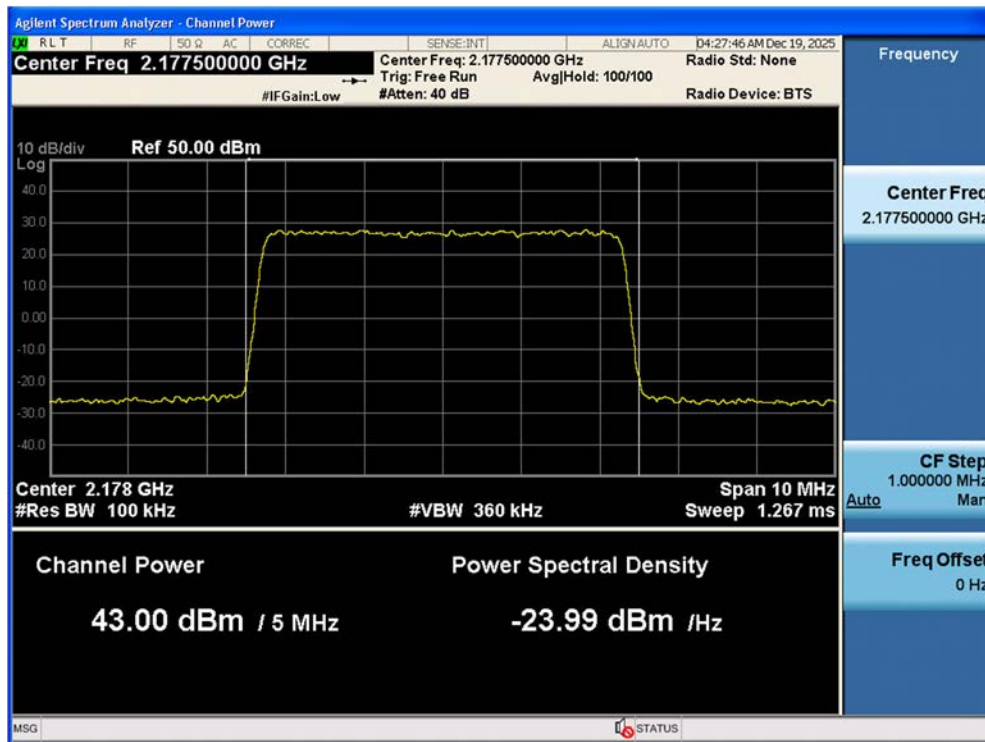
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier] / 64QAM / High / Non-Contiguous



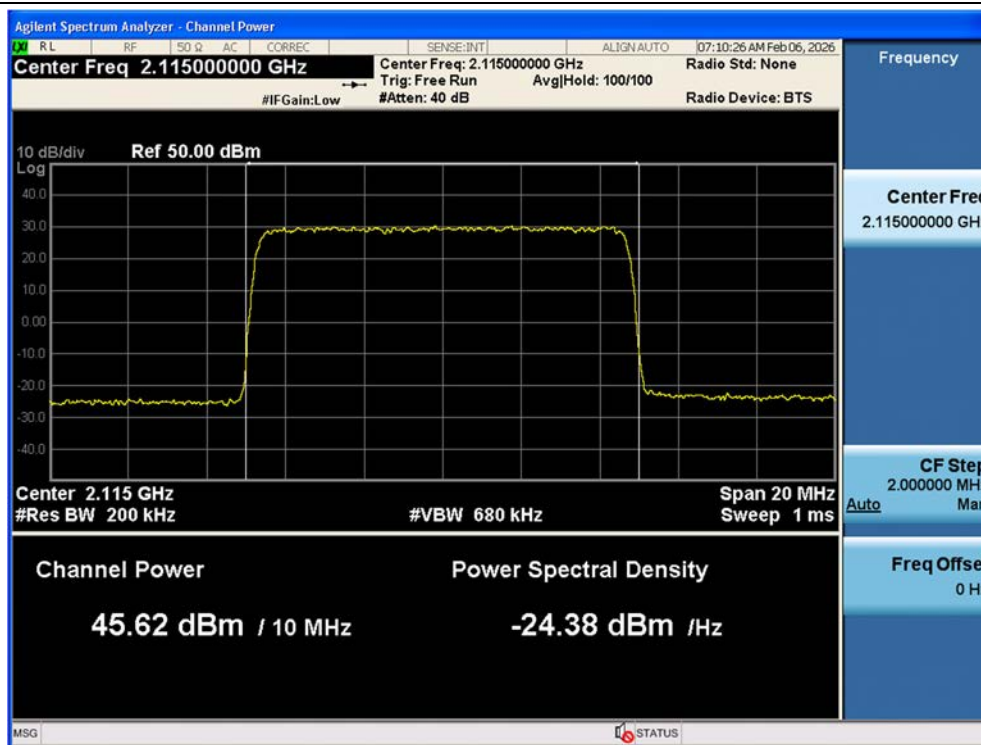
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / QPSK / Low / Non-Contiguous



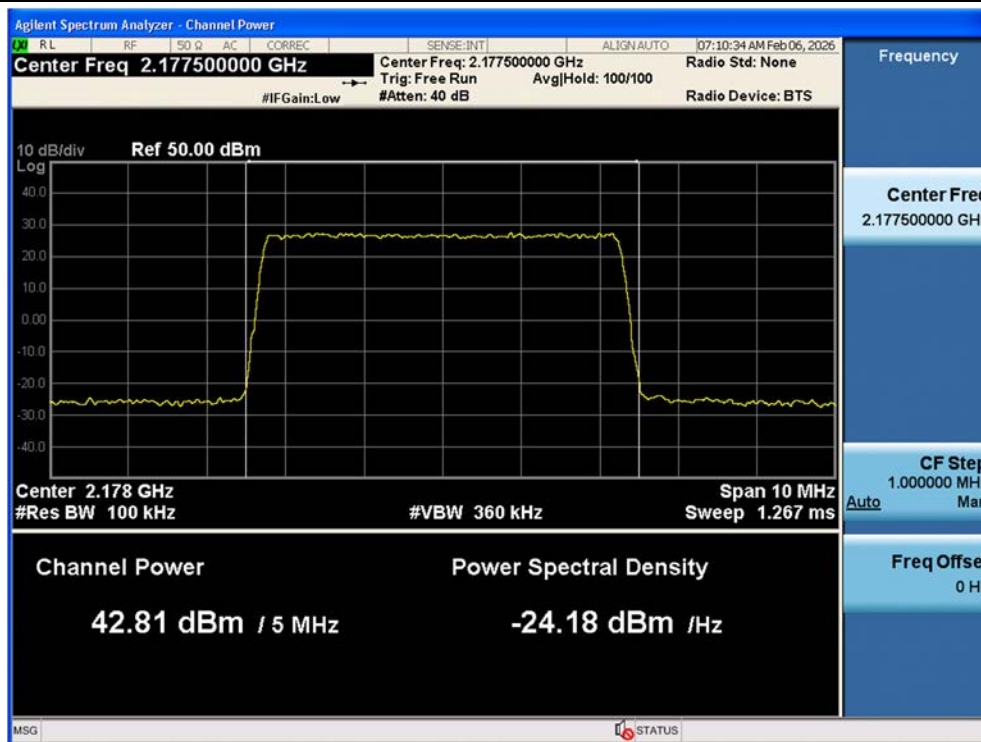
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / QPSK / High / Non-Contiguous



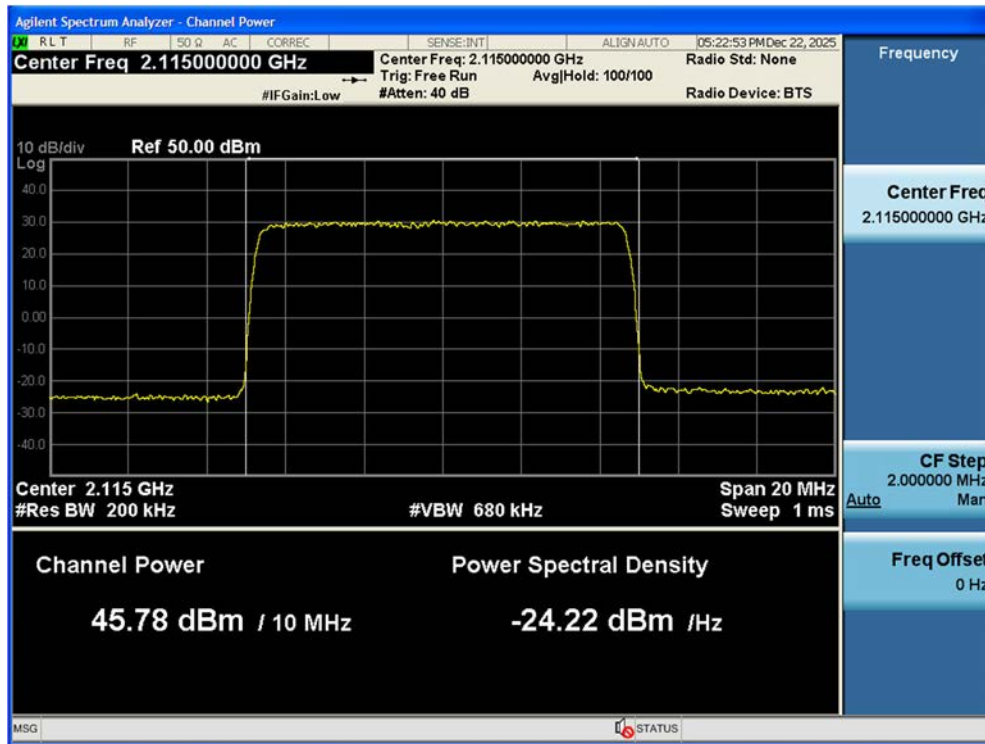
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier] / QPSK / Low / Non-Contiguous



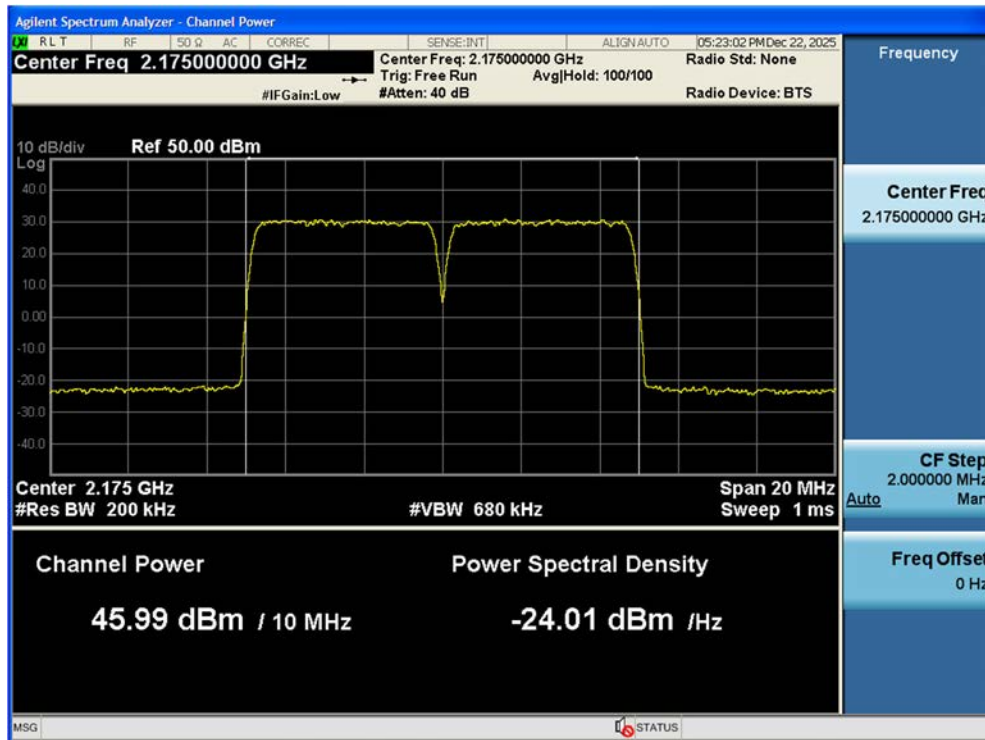
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier] / QPSK / High / Non-Contiguous



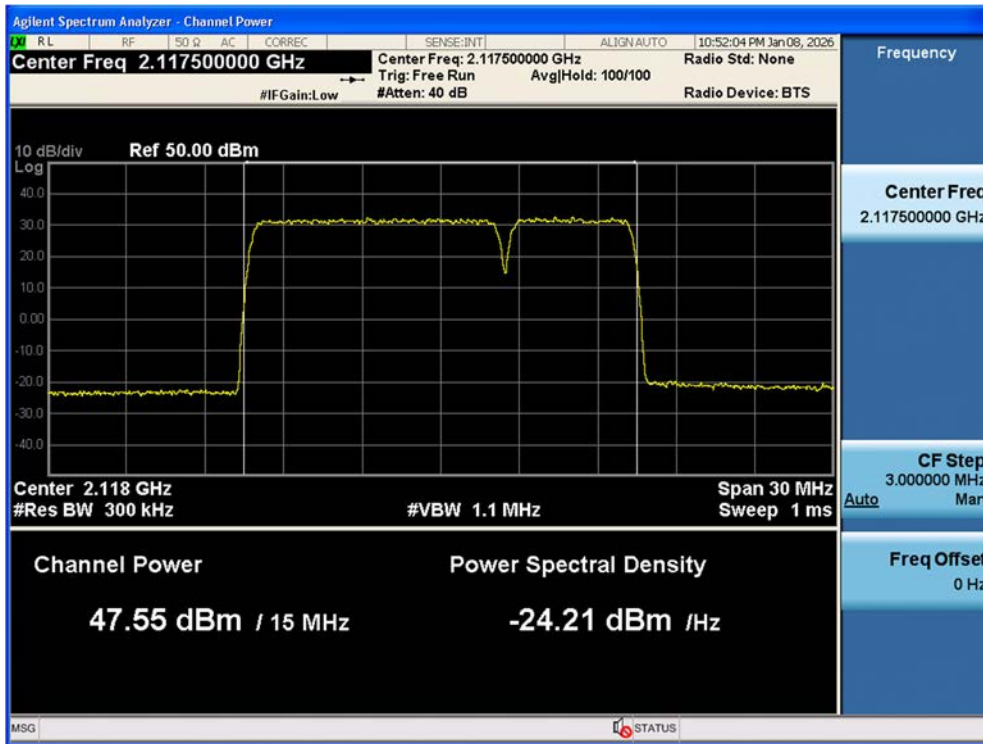
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / QPSK / Low / Non-Contiguous



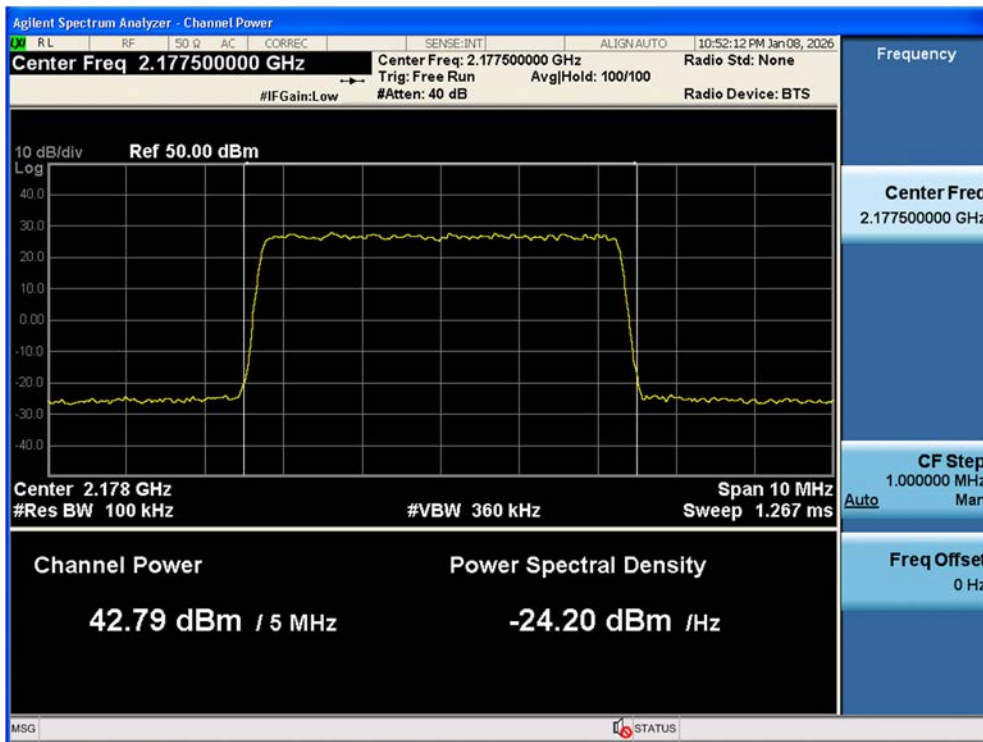
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C) / QPSK / High / Non-Contiguous



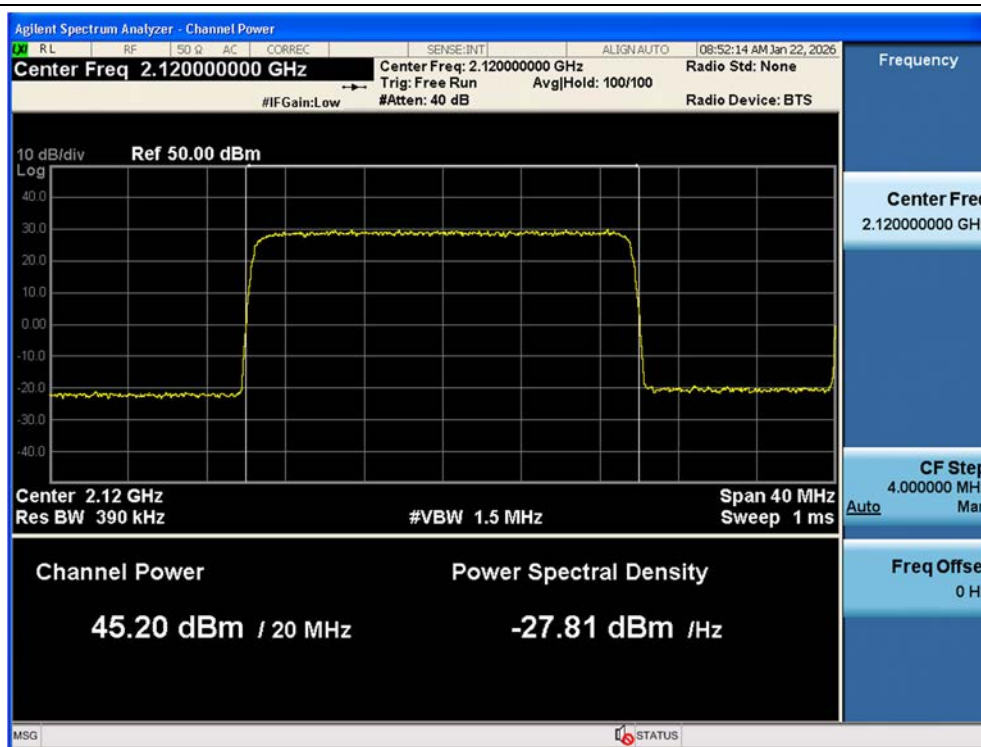
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / 256QAM / Low / Non-Contiguous



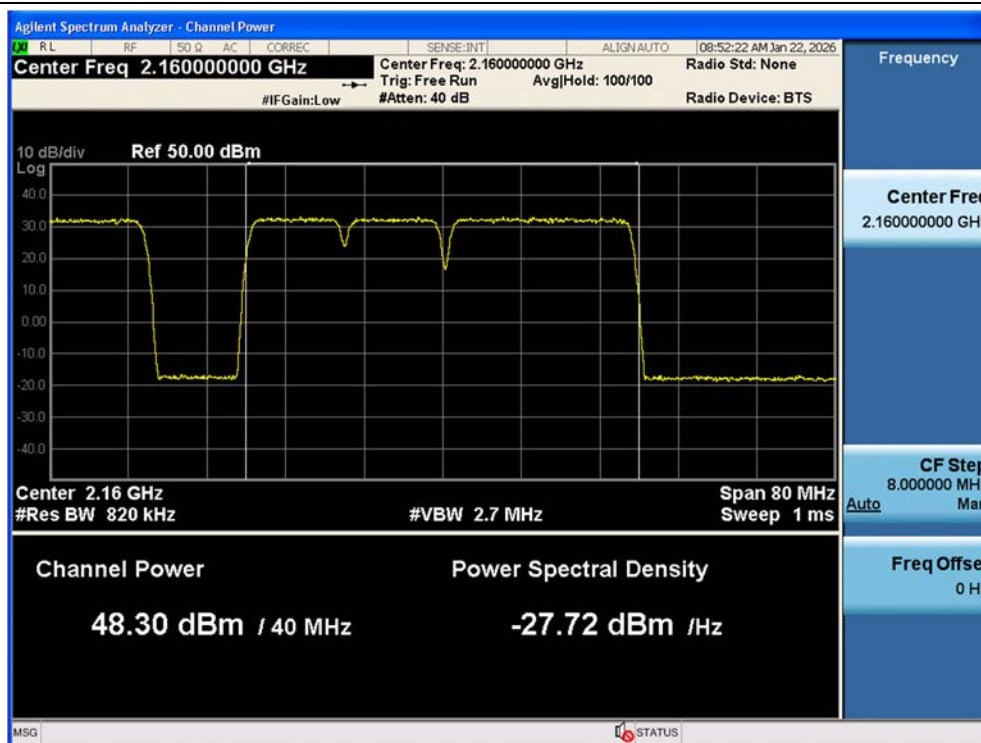
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C) / 256QAM / High / Non-Contiguous



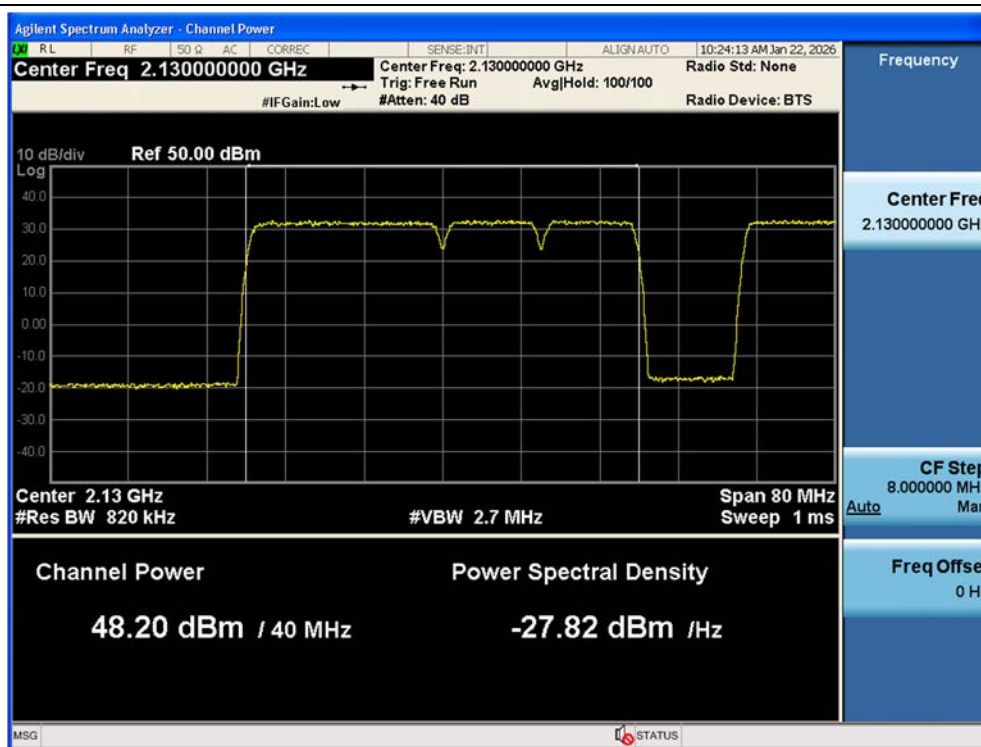
Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] (1C+3C) / 64QAM / Low / Non-Contiguous



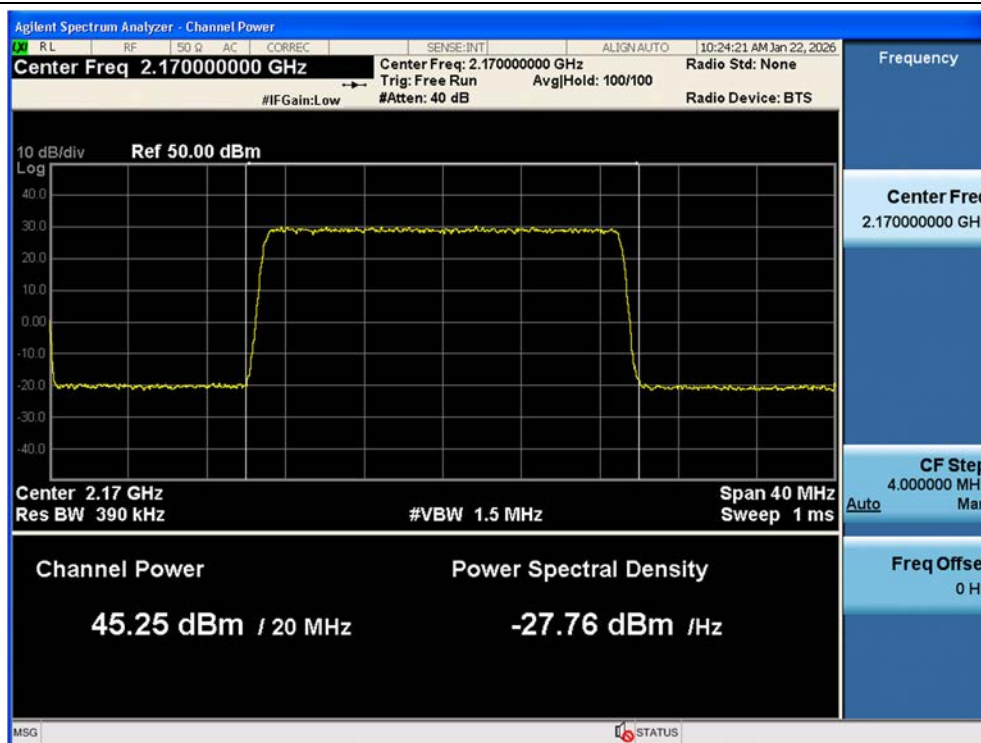
Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] (1C+3C) / 64QAM / High / Non-Contiguous



Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] (3C+1C) / QPSK / Low / Non-Contiguous



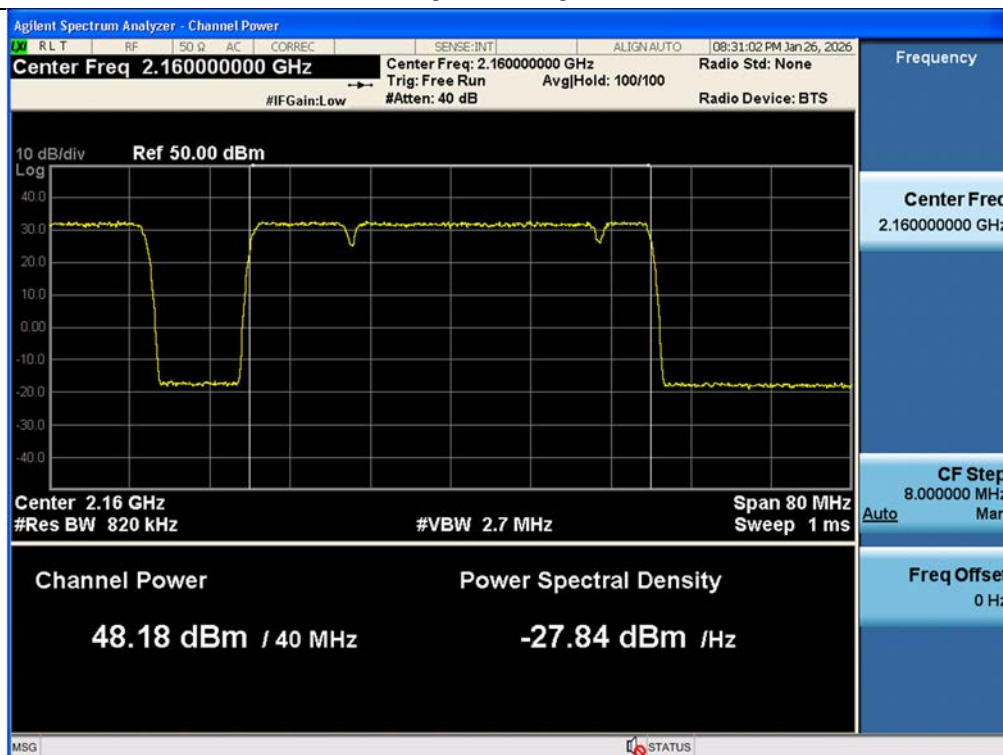
Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] (3C+1C) / QPSK / High / Non-Contiguous



Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / 256QAM /
Low / Non-Contiguous

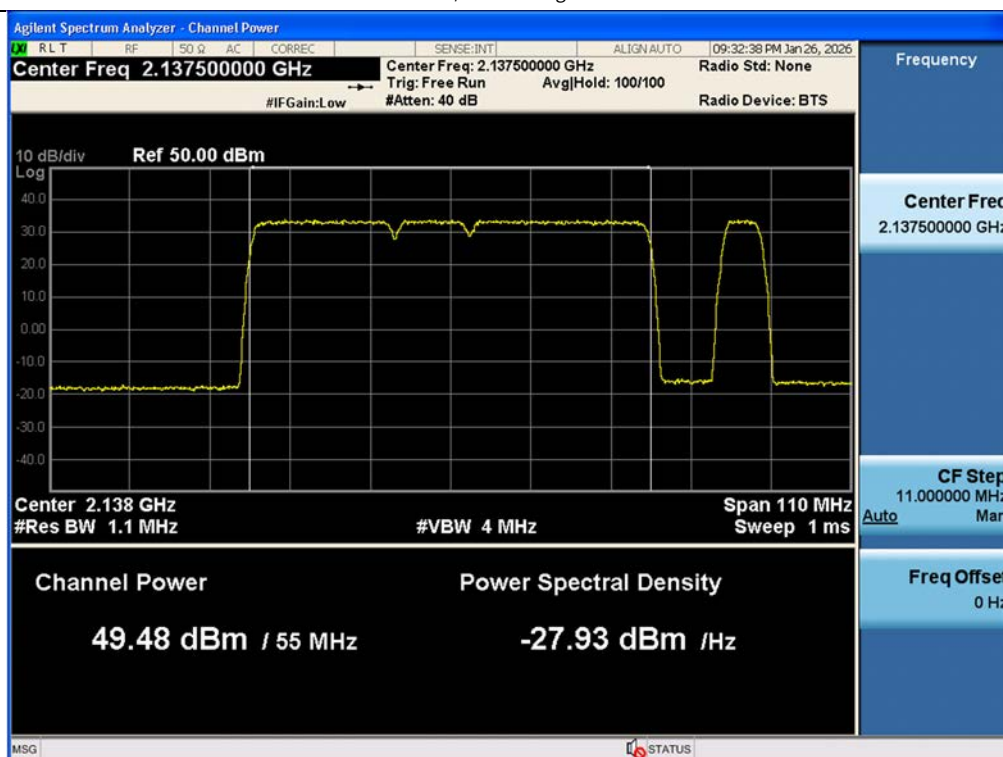


Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C) / 256QAM /
High / Non-Contiguous



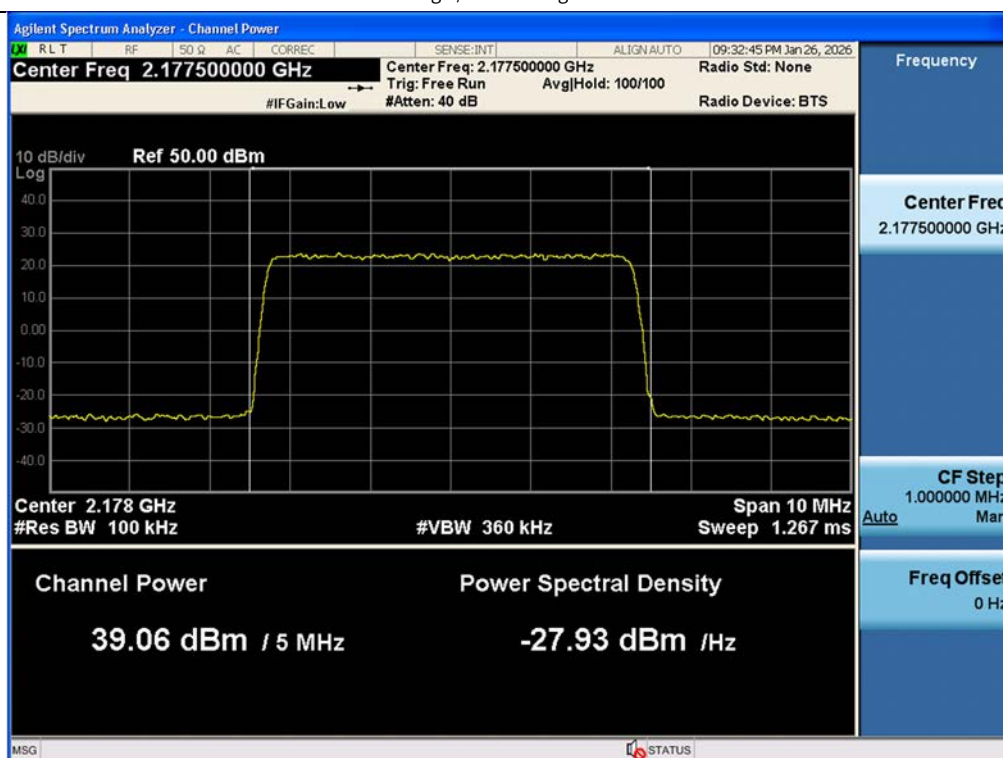
Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / QPSK /

Low / Non-Contiguous

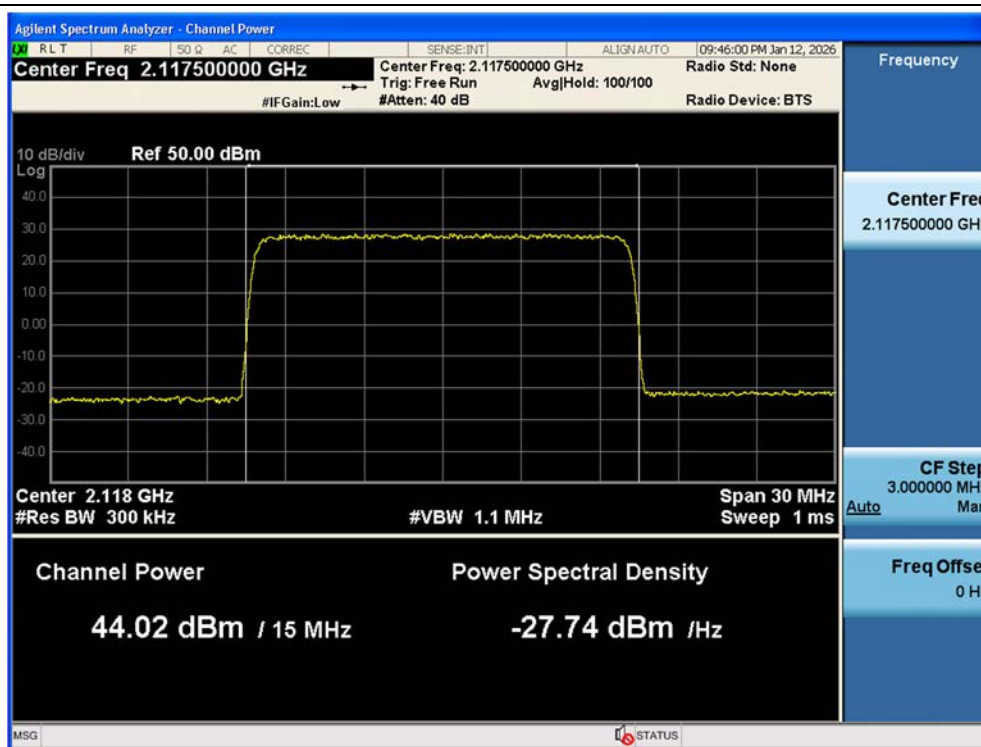


Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C) / QPSK /

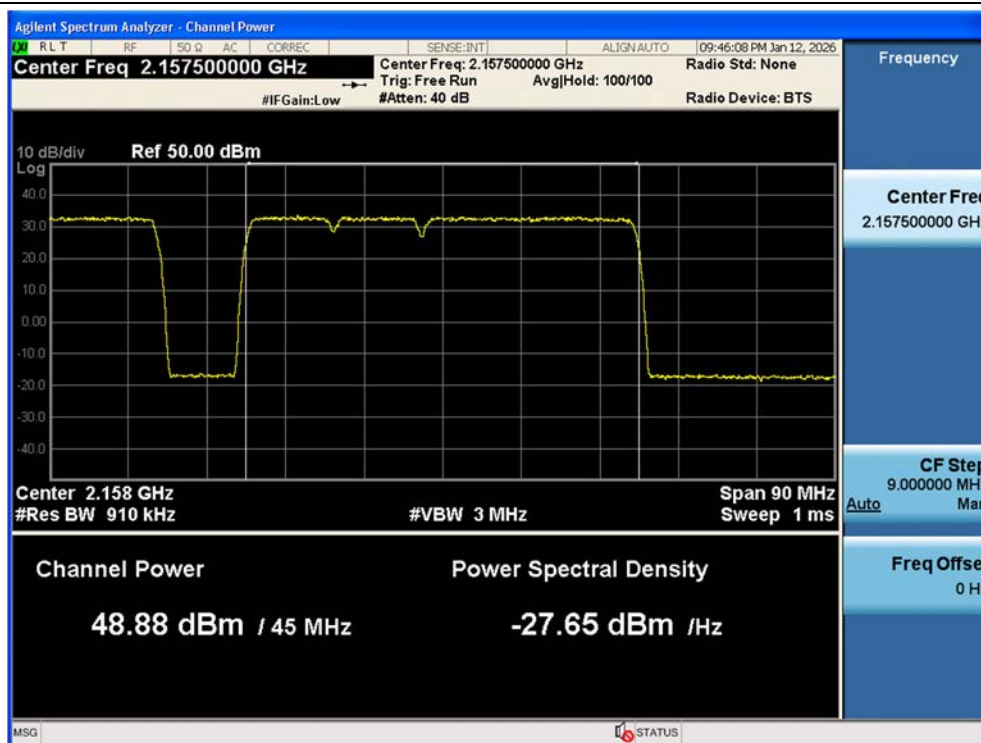
High / Non-Contiguous



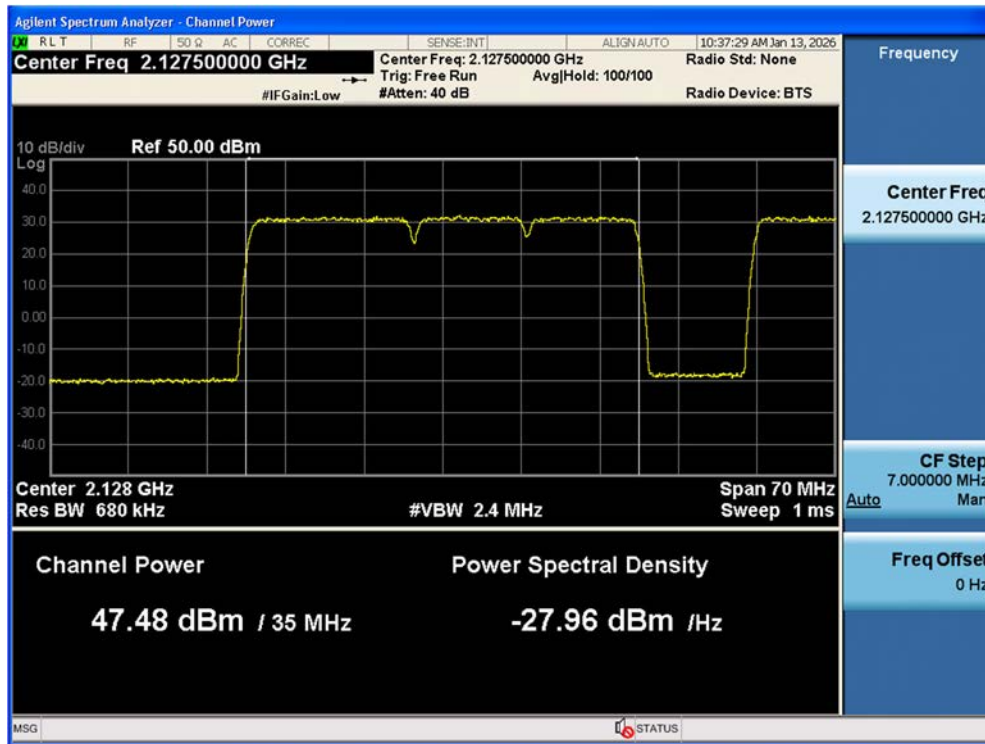
Antenna 2 / (4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier [4 Carrier] (1C+3C) / QPSK /
Low / Non-Contiguous



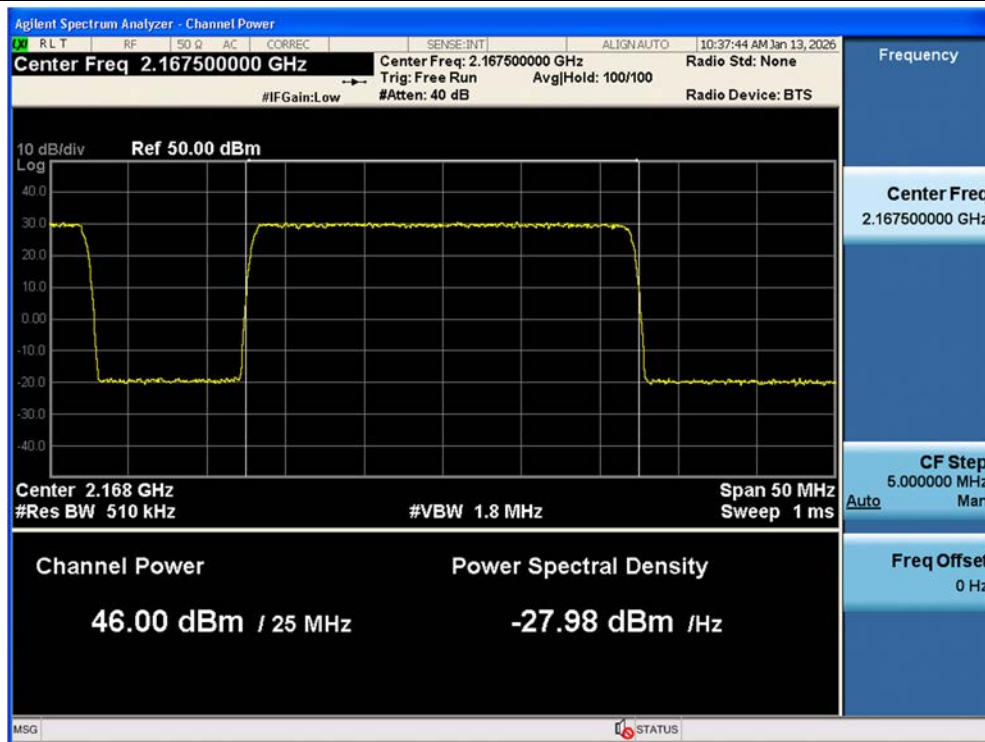
Antenna 2 / (4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier [4 Carrier] (1C+3C) / QPSK /
High / Non-Contiguous



Antenna 2 / (4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier [4 Carrier] (3C+1C) / 64QAM
/ Low / Non-Contiguous



Antenna 2 / (4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier [4 Carrier] (3C+1C) / 64QAM
/ High / Non-Contiguous



Test Results:

Tabular Data of RF PSD

(4 Port) B25 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1 935.00	38.49	7.06
		Middle	1 962.50	38.34	6.82
		High	1 990.00	38.92	7.81
	16QAM	Low	1 935.00	38.71	7.43
		Middle	1 962.50	38.56	7.17
		High	1 990.00	39.38	8.68
	64QAM	Low	1 935.00	38.69	7.40
		Middle	1 962.50	38.28	6.73
		High	1 990.00	38.77	7.54
	256QAM	Low	1 935.00	38.82	7.62
		Middle	1 962.50	38.44	6.98
		High	1 990.00	39.02	7.99
1	QPSK	Low	1 935.00	38.72	7.44
		Middle	1 962.50	38.61	7.25
		High	1 990.00	39.20	8.32
	16QAM	Low	1 935.00	39.27	8.45
		Middle	1 962.50	38.76	7.52
		High	1 990.00	38.85	7.67
	64QAM	Low	1 935.00	38.90	7.77
		Middle	1 962.50	38.55	7.16
		High	1 990.00	38.90	7.76
	256QAM	Low	1 935.00	38.60	7.25
		Middle	1 962.50	38.52	7.11
		High	1 990.00	38.78	7.55
2	QPSK	Low	1 935.00	38.79	7.58
		Middle	1 962.50	38.77	7.54
		High	1 990.00	39.00	7.95
	16QAM	Low	1 935.00	39.43	8.77
		Middle	1 962.50	39.16	8.24
		High	1 990.00	38.89	7.75
	64QAM	Low	1 935.00	38.96	7.87
		Middle	1 962.50	39.01	7.97
		High	1 990.00	39.02	7.99
	256QAM	Low	1 935.00	38.99	7.93
		Middle	1 962.50	38.90	7.76
		High	1 990.00	39.12	8.17
3	QPSK	Low	1 935.00	39.12	8.16
		Middle	1 962.50	38.97	7.88
		High	1 990.00	39.22	8.35
	16QAM	Low	1 935.00	39.00	7.95
		Middle	1 962.50	39.14	8.20
		High	1 990.00	39.23	8.37
	64QAM	Low	1 935.00	38.98	7.90
		Middle	1 962.50	39.00	7.95
		High	1 990.00	39.39	8.70
	256QAM	Low	1 935.00	39.07	8.07
		Middle	1 962.50	38.70	7.42
		High	1 990.00	39.05	8.03

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

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
1 935.00	896.59	966.20	917.02	915.29	1 640
1 962.50	874.54	923.30	883.64	867.64	
1 990.00	961.05	962.49	948.15	941.13	

According to the test results, to comply with the EIRP limit of the applicable specification, it is recommended that the antenna gain be no more than 14.72 dBi. However, if a higher gain antenna is used, the output power should be reduced accordingly based on the test results.

(4 Port) B25 DSS 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1 937.50	37.21	5.27
		Middle	1 962.50	36.64	4.61
		High	1 987.50	36.96	4.96
	16QAM	Low	1 937.50	37.31	5.39
		Middle	1 962.50	36.75	4.73
		High	1 987.50	37.66	5.83
	64QAM	Low	1 937.50	37.13	5.16
		Middle	1 962.50	36.56	4.53
		High	1 987.50	36.99	5.00
	256QAM	Low	1 937.50	37.11	5.14
		Middle	1 962.50	36.72	4.69
		High	1 987.50	36.98	4.99
1	QPSK	Low	1 937.50	37.15	5.19
		Middle	1 962.50	36.85	4.84
		High	1 987.50	37.31	5.39
	16QAM	Low	1 937.50	37.09	5.11
		Middle	1 962.50	37.36	5.45
		High	1 987.50	37.47	5.58
	64QAM	Low	1 937.50	37.18	5.22
		Middle	1 962.50	36.73	4.71
		High	1 987.50	37.31	5.38
	256QAM	Low	1 937.50	36.84	4.84
		Middle	1 962.50	36.85	4.85
		High	1 987.50	37.29	5.35
2	QPSK	Low	1 937.50	37.11	5.14
		Middle	1 962.50	37.23	5.28
		High	1 987.50	37.46	5.57
	16QAM	Low	1 937.50	37.34	5.42
		Middle	1 962.50	37.29	5.36
		High	1 987.50	37.34	5.42
	64QAM	Low	1 937.50	37.02	5.04
		Middle	1 962.50	36.94	4.94
		High	1 987.50	37.40	5.50
	256QAM	Low	1 937.50	37.24	5.30
		Middle	1 962.50	36.83	4.82
		High	1 987.50	37.14	5.18
3	QPSK	Low	1 937.50	37.27	5.33
		Middle	1 962.50	37.11	5.14
		High	1 987.50	37.44	5.54
	16QAM	Low	1 937.50	37.57	5.71
		Middle	1 962.50	37.68	5.86
		High	1 987.50	37.53	5.67
	64QAM	Low	1 937.50	37.36	5.44
		Middle	1 962.50	37.36	5.44
		High	1 987.50	37.46	5.58
	256QAM	Low	1 937.50	37.37	5.45
		Middle	1 962.50	37.16	5.20
		High	1 987.50	37.50	5.62

(4 Port) B25 DSS 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1 940.00	36.71	4.69
		Middle	1 962.50	36.77	4.75
		High	1 985.00	37.03	5.05
	16QAM	Low	1 940.00	37.22	5.27
		Middle	1 962.50	36.97	4.98
		High	1 985.00	37.30	5.37
	64QAM	Low	1 940.00	36.76	4.75
		Middle	1 962.50	36.87	4.86
		High	1 985.00	36.84	4.84
	256QAM	Low	1 940.00	36.75	4.73
		Middle	1 962.50	36.86	4.85
		High	1 985.00	36.90	4.90
1	QPSK	Low	1 940.00	36.85	4.84
		Middle	1 962.50	36.64	4.61
		High	1 985.00	36.99	5.00
	16QAM	Low	1 940.00	36.96	4.97
		Middle	1 962.50	36.80	4.79
		High	1 985.00	37.25	5.31
	64QAM	Low	1 940.00	36.90	4.90
		Middle	1 962.50	36.90	4.90
		High	1 985.00	37.16	5.20
	256QAM	Low	1 940.00	36.96	4.97
		Middle	1 962.50	36.84	4.83
		High	1 985.00	36.98	4.99
2	QPSK	Low	1 940.00	37.22	5.27
		Middle	1 962.50	36.97	4.98
		High	1 985.00	37.38	5.47
	16QAM	Low	1 940.00	37.24	5.30
		Middle	1 962.50	36.62	4.59
		High	1 985.00	37.41	5.51
	64QAM	Low	1 940.00	37.39	5.48
		Middle	1 962.50	36.91	4.90
		High	1 985.00	37.34	5.42
	256QAM	Low	1 940.00	37.18	5.23
		Middle	1 962.50	36.94	4.95
		High	1 985.00	37.01	5.02
3	QPSK	Low	1 940.00	37.08	5.10
		Middle	1 962.50	37.44	5.54
		High	1 985.00	37.15	5.19
	16QAM	Low	1 940.00	37.48	5.59
		Middle	1 962.50	37.03	5.05
		High	1 985.00	37.49	5.62
	64QAM	Low	1 940.00	37.26	5.32
		Middle	1 962.50	37.22	5.27
		High	1 985.00	37.11	5.14
	256QAM	Low	1 940.00	37.25	5.30
		Middle	1 962.50	36.71	4.69
		High	1 985.00	37.07	5.09

(4 Port) B66 DSS 10 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 115.00	38.72	7.45
		Middle	2 145.00	38.70	7.42
		High	2 175.00	38.99	7.92
	16QAM	Low	2 115.00	39.00	7.94
		Middle	2 145.00	39.11	8.15
		High	2 175.00	39.56	9.03
	64QAM	Low	2 115.00	38.77	7.53
		Middle	2 145.00	38.84	7.66
		High	2 175.00	39.08	8.08
	256QAM	Low	2 115.00	38.90	7.76
		Middle	2 145.00	38.97	7.89
		High	2 175.00	39.07	8.08
1	QPSK	Low	2 115.00	38.85	7.66
		Middle	2 145.00	39.12	8.16
		High	2 175.00	39.53	8.97
	16QAM	Low	2 115.00	39.31	8.53
		Middle	2 145.00	39.36	8.64
		High	2 175.00	39.54	9.01
	64QAM	Low	2 115.00	38.96	7.88
		Middle	2 145.00	39.24	8.39
		High	2 175.00	39.56	9.03
	256QAM	Low	2 115.00	39.09	8.11
		Middle	2 145.00	39.49	8.88
		High	2 175.00	39.46	8.84
2	QPSK	Low	2 115.00	38.82	7.62
		Middle	2 145.00	39.23	8.37
		High	2 175.00	39.47	8.86
	16QAM	Low	2 115.00	39.28	8.48
		Middle	2 145.00	39.88	9.72
		High	2 175.00	39.92	9.82
	64QAM	Low	2 115.00	39.34	8.60
		Middle	2 145.00	39.39	8.69
		High	2 175.00	39.81	9.56
	256QAM	Low	2 115.00	39.30	8.51
		Middle	2 145.00	39.30	8.51
		High	2 175.00	39.78	9.51
3	QPSK	Low	2 115.00	38.76	7.52
		Middle	2 145.00	38.84	7.66
		High	2 175.00	39.31	8.54
	16QAM	Low	2 115.00	39.09	8.12
		Middle	2 145.00	39.38	8.67
		High	2 175.00	39.34	8.59
	64QAM	Low	2 115.00	38.87	7.71
		Middle	2 145.00	39.00	7.95
		High	2 175.00	39.08	8.09
	256QAM	Low	2 115.00	38.77	7.53
		Middle	2 145.00	39.12	8.17
		High	2 175.00	39.30	8.52

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

Frequency (MHz)	E.I.R.P.				Limit
	QPSK	16QAM	64QAM	256QAM	
	W/MHz				
2 115.00	896.83	980.12	940.31	945.84	1 640
2 145.00	937.12	1 043.01	969.16	992.01	
2 175.00	1 016.44	1 080.82	1 030.81	1 036.19	

According to the test results, to comply with the EIRP limit of the applicable specification, it is recommended that the antenna gain be no more than 14.72 dBi. However, if a higher gain antenna is used, the output power should be reduced accordingly based on the test results.

(4 Port) B66 DSS 15 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 117.50	37.06	5.08
		Middle	2 145.00	36.77	4.76
		High	2 172.50	37.30	5.37
	16QAM	Low	2 117.50	37.67	5.85
		Middle	2 145.00	37.28	5.35
		High	2 172.50	37.33	5.41
	64QAM	Low	2 117.50	37.00	5.01
		Middle	2 145.00	36.77	4.75
		High	2 172.50	37.13	5.16
	256QAM	Low	2 117.50	37.06	5.09
		Middle	2 145.00	36.90	4.90
		High	2 172.50	37.44	5.54
1	QPSK	Low	2 117.50	37.42	5.53
		Middle	2 145.00	37.29	5.36
		High	2 172.50	37.71	5.90
	16QAM	Low	2 117.50	37.57	5.72
		Middle	2 145.00	37.54	5.68
		High	2 172.50	38.39	6.91
	64QAM	Low	2 117.50	37.90	6.16
		Middle	2 145.00	37.56	5.70
		High	2 172.50	37.75	5.96
	256QAM	Low	2 117.50	37.66	5.84
		Middle	2 145.00	37.38	5.47
		High	2 172.50	37.74	5.94
2	QPSK	Low	2 117.50	37.70	5.89
		Middle	2 145.00	37.35	5.43
		High	2 172.50	37.69	5.87
	16QAM	Low	2 117.50	37.87	6.13
		Middle	2 145.00	37.43	5.54
		High	2 172.50	38.02	6.34
	64QAM	Low	2 117.50	37.58	5.73
		Middle	2 145.00	37.15	5.18
		High	2 172.50	37.75	5.96
	256QAM	Low	2 117.50	37.82	6.05
		Middle	2 145.00	37.44	5.54
		High	2 172.50	37.85	6.10
3	QPSK	Low	2 117.50	37.31	5.38
		Middle	2 145.00	37.08	5.11
		High	2 172.50	37.31	5.38
	16QAM	Low	2 117.50	37.42	5.53
		Middle	2 145.00	37.57	5.72
		High	2 172.50	37.94	6.23
	64QAM	Low	2 117.50	37.08	5.10
		Middle	2 145.00	37.11	5.14
		High	2 172.50	37.33	5.41
	256QAM	Low	2 117.50	37.23	5.28
		Middle	2 145.00	37.08	5.11
		High	2 172.50	37.35	5.44

(4 Port) B66 DSS 20 MHz 1 Carrier

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 120.00	36.70	4.68
		Middle	2 145.00	36.94	4.94
		High	2 170.00	37.08	5.10
	16QAM	Low	2 120.00	37.23	5.29
		Middle	2 145.00	36.96	4.96
		High	2 170.00	37.16	5.20
	64QAM	Low	2 120.00	36.97	4.97
		Middle	2 145.00	37.01	5.02
		High	2 170.00	37.04	5.06
	256QAM	Low	2 120.00	36.87	4.86
		Middle	2 145.00	36.93	4.93
		High	2 170.00	37.10	5.13
1	QPSK	Low	2 120.00	37.30	5.37
		Middle	2 145.00	37.39	5.49
		High	2 170.00	37.51	5.64
	16QAM	Low	2 120.00	37.31	5.39
		Middle	2 145.00	37.45	5.56
		High	2 170.00	36.90	4.90
	64QAM	Low	2 120.00	37.47	5.59
		Middle	2 145.00	37.23	5.28
		High	2 170.00	37.91	6.18
	256QAM	Low	2 120.00	37.22	5.27
		Middle	2 145.00	37.26	5.33
		High	2 170.00	37.51	5.63
2	QPSK	Low	2 120.00	37.21	5.26
		Middle	2 145.00	37.26	5.32
		High	2 170.00	37.95	6.24
	16QAM	Low	2 120.00	37.17	5.21
		Middle	2 145.00	37.77	5.99
		High	2 170.00	37.60	5.75
	64QAM	Low	2 120.00	37.25	5.31
		Middle	2 145.00	37.55	5.69
		High	2 170.00	37.71	5.91
	256QAM	Low	2 120.00	37.23	5.28
		Middle	2 145.00	37.29	5.36
		High	2 170.00	37.65	5.82
3	QPSK	Low	2 120.00	36.85	4.84
		Middle	2 145.00	36.99	5.00
		High	2 170.00	37.18	5.22
	16QAM	Low	2 120.00	36.73	4.71
		Middle	2 145.00	37.02	5.04
		High	2 170.00	37.34	5.42
	64QAM	Low	2 120.00	36.79	4.78
		Middle	2 145.00	37.15	5.19
		High	2 170.00	37.19	5.24
	256QAM	Low	2 120.00	36.89	4.89
		Middle	2 145.00	37.03	5.04
		High	2 170.00	37.12	5.15

Tabular Data of RF Contiguous PSD

(4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1 937.50	37.15	5.18
		Middle	1 962.50	36.86	4.86
		High	1 987.50	37.40	5.50
	16QAM	Low	1 937.50	37.38	5.46
		Middle	1 962.50	37.05	5.06
		High	1 987.50	37.34	5.42
	64QAM	Low	1 937.50	37.13	5.16
		Middle	1 962.50	36.71	4.69
		High	1 987.50	37.16	5.21
	256QAM	Low	1 937.50	37.22	5.28
		Middle	1 962.50	37.01	5.03
		High	1 987.50	37.25	5.31
1	QPSK	Low	1 937.50	37.23	5.28
		Middle	1 962.50	36.81	4.80
		High	1 987.50	37.38	5.47
	16QAM	Low	1 937.50	37.53	5.67
		Middle	1 962.50	37.13	5.16
		High	1 987.50	37.44	5.54
	64QAM	Low	1 937.50	37.35	5.43
		Middle	1 962.50	36.99	5.00
		High	1 987.50	37.21	5.27
	256QAM	Low	1 937.50	37.06	5.09
		Middle	1 962.50	37.39	5.49
		High	1 987.50	37.51	5.63
2	QPSK	Low	1 937.50	37.80	6.03
		Middle	1 962.50	36.88	4.88
		High	1 987.50	37.37	5.46
	16QAM	Low	1 937.50	37.62	5.78
		Middle	1 962.50	37.19	5.24
		High	1 987.50	37.78	6.00
	64QAM	Low	1 937.50	37.35	5.44
		Middle	1 962.50	36.84	4.83
		High	1 987.50	37.49	5.62
	256QAM	Low	1 937.50	37.41	5.51
		Middle	1 962.50	36.91	4.91
		High	1 987.50	37.40	5.50
3	QPSK	Low	1 937.50	37.44	5.55
		Middle	1 962.50	37.11	5.14
		High	1 987.50	37.48	5.60
	16QAM	Low	1 937.50	37.64	5.81
		Middle	1 962.50	37.39	5.48
		High	1 987.50	37.73	5.93
	64QAM	Low	1 937.50	37.54	5.68
		Middle	1 962.50	37.10	5.12
		High	1 987.50	37.65	5.82
	256QAM	Low	1 937.50	37.61	5.77
		Middle	1 962.50	37.13	5.16
		High	1 987.50	37.66	5.84

(4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1 945.00	35.39	3.46
		Middle	1 962.50	35.19	3.30
		High	1 980.00	35.43	3.49
	16QAM	Low	1 945.00	35.63	3.66
		Middle	1 962.50	35.62	3.65
		High	1 980.00	35.44	3.50
	64QAM	Low	1 945.00	35.17	3.29
		Middle	1 962.50	35.17	3.29
		High	1 980.00	35.54	3.58
	256QAM	Low	1 945.00	35.25	3.35
		Middle	1 962.50	35.36	3.44
		High	1 980.00	35.38	3.45
1	QPSK	Low	1 945.00	35.13	3.26
		Middle	1 962.50	34.80	3.02
		High	1 980.00	35.26	3.36
	16QAM	Low	1 945.00	35.56	3.60
		Middle	1 962.50	35.31	3.39
		High	1 980.00	35.53	3.57
	64QAM	Low	1 945.00	35.30	3.39
		Middle	1 962.50	35.02	3.18
		High	1 980.00	35.22	3.33
	256QAM	Low	1 945.00	35.44	3.50
		Middle	1 962.50	34.93	3.11
		High	1 980.00	35.45	3.51
2	QPSK	Low	1 945.00	35.58	3.62
		Middle	1 962.50	35.24	3.35
		High	1 980.00	35.46	3.51
	16QAM	Low	1 945.00	35.65	3.67
		Middle	1 962.50	35.48	3.54
		High	1 980.00	35.49	3.54
	64QAM	Low	1 945.00	35.44	3.50
		Middle	1 962.50	35.43	3.49
		High	1 980.00	35.60	3.63
	256QAM	Low	1 945.00	35.59	3.63
		Middle	1 962.50	35.29	3.38
		High	1 980.00	35.51	3.55
3	QPSK	Low	1 945.00	35.56	3.60
		Middle	1 962.50	35.27	3.37
		High	1 980.00	35.78	3.79
	16QAM	Low	1 945.00	35.95	3.93
		Middle	1 962.50	35.52	3.57
		High	1 980.00	35.94	3.93
	64QAM	Low	1 945.00	35.63	3.65
		Middle	1 962.50	35.46	3.51
		High	1 980.00	35.81	3.81
	256QAM	Low	1 945.00	35.38	3.45
		Middle	1 962.50	35.33	3.41
		High	1 980.00	35.55	3.59

(4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1 937.50	37.10	5.13
		Middle	1 962.50	36.90	4.90
		High	1 987.50	37.07	5.09
	16QAM	Low	1 937.50	37.30	5.37
		Middle	1 962.50	36.77	4.75
		High	1 987.50	37.16	5.20
	64QAM	Low	1 937.50	37.28	5.34
		Middle	1 962.50	36.97	4.98
		High	1 987.50	37.08	5.10
	256QAM	Low	1 937.50	37.32	5.40
		Middle	1 962.50	36.71	4.69
		High	1 987.50	37.25	5.31
1	QPSK	Low	1 937.50	37.28	5.35
		Middle	1 962.50	36.81	4.80
		High	1 987.50	37.44	5.55
	16QAM	Low	1 937.50	37.24	5.30
		Middle	1 962.50	37.13	5.17
		High	1 987.50	37.48	5.60
	64QAM	Low	1 937.50	37.09	5.11
		Middle	1 962.50	36.87	4.87
		High	1 987.50	37.42	5.52
	256QAM	Low	1 937.50	37.23	5.28
		Middle	1 962.50	37.13	5.17
		High	1 987.50	37.40	5.49
2	QPSK	Low	1 937.50	37.37	5.46
		Middle	1 962.50	37.24	5.30
		High	1 987.50	37.47	5.59
	16QAM	Low	1 937.50	37.36	5.45
		Middle	1 962.50	37.21	5.26
		High	1 987.50	37.49	5.61
	64QAM	Low	1 937.50	37.53	5.66
		Middle	1 962.50	37.15	5.18
		High	1 987.50	37.22	5.27
	256QAM	Low	1 937.50	37.25	5.31
		Middle	1 962.50	37.01	5.03
		High	1 987.50	37.42	5.52
3	QPSK	Low	1 937.50	37.31	5.38
		Middle	1 962.50	37.41	5.51
		High	1 987.50	37.68	5.87
	16QAM	Low	1 937.50	37.36	5.44
		Middle	1 962.50	37.39	5.48
		High	1 987.50	37.85	6.10
	64QAM	Low	1 937.50	37.59	5.74
		Middle	1 962.50	37.35	5.44
		High	1 987.50	37.69	5.87
	256QAM	Low	1 937.50	37.31	5.39
		Middle	1 962.50	37.20	5.25
		High	1 987.50	37.51	5.64

(4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	1 945.00	35.36	3.43
		Middle	1 962.50	35.01	3.17
		High	1 980.00	35.33	3.42
	16QAM	Low	1 945.00	35.41	3.48
		Middle	1 962.50	35.45	3.51
		High	1 980.00	35.41	3.47
	64QAM	Low	1 945.00	35.31	3.40
		Middle	1 962.50	35.24	3.34
		High	1 980.00	35.58	3.61
	256QAM	Low	1 945.00	35.19	3.31
		Middle	1 962.50	35.06	3.21
		High	1 980.00	35.49	3.54
1	QPSK	Low	1 945.00	35.07	3.21
		Middle	1 962.50	35.28	3.37
		High	1 980.00	35.41	3.47
	16QAM	Low	1 945.00	35.29	3.38
		Middle	1 962.50	35.40	3.47
		High	1 980.00	35.62	3.65
	64QAM	Low	1 945.00	35.07	3.21
		Middle	1 962.50	35.11	3.25
		High	1 980.00	35.37	3.45
	256QAM	Low	1 945.00	35.31	3.40
		Middle	1 962.50	35.26	3.36
		High	1 980.00	35.62	3.65
2	QPSK	Low	1 945.00	35.45	3.50
		Middle	1 962.50	35.44	3.50
		High	1 980.00	36.04	4.01
	16QAM	Low	1 945.00	35.53	3.57
		Middle	1 962.50	35.72	3.74
		High	1 980.00	35.58	3.62
	64QAM	Low	1 945.00	35.48	3.53
		Middle	1 962.50	35.28	3.37
		High	1 980.00	35.69	3.70
	256QAM	Low	1 945.00	35.32	3.40
		Middle	1 962.50	35.36	3.44
		High	1 980.00	35.81	3.81
3	QPSK	Low	1 945.00	35.43	3.49
		Middle	1 962.50	35.46	3.52
		High	1 980.00	35.76	3.77
	16QAM	Low	1 945.00	35.88	3.87
		Middle	1 962.50	35.73	3.74
		High	1 980.00	35.59	3.62
	64QAM	Low	1 945.00	35.43	3.49
		Middle	1 962.50	35.30	3.39
		High	1 980.00	35.62	3.65
	256QAM	Low	1 945.00	35.37	3.45
		Middle	1 962.50	35.49	3.54
		High	1 980.00	35.63	3.66

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 117.50	36.75	4.73
		Middle	2 145.00	36.98	4.99
		High	2 172.50	37.20	5.25
	16QAM	Low	2 117.50	37.16	5.20
		Middle	2 145.00	37.15	5.19
		High	2 172.50	37.64	5.80
	64QAM	Low	2 117.50	36.87	4.87
		Middle	2 145.00	37.10	5.13
		High	2 172.50	37.18	5.22
	256QAM	Low	2 117.50	36.91	4.91
		Middle	2 145.00	37.14	5.18
		High	2 172.50	37.26	5.32
1	QPSK	Low	2 117.50	37.19	5.24
		Middle	2 145.00	37.23	5.29
		High	2 172.50	37.70	5.89
	16QAM	Low	2 117.50	37.31	5.39
		Middle	2 145.00	37.47	5.58
		High	2 172.50	37.75	5.96
	64QAM	Low	2 117.50	37.07	5.09
		Middle	2 145.00	37.21	5.26
		High	2 172.50	37.68	5.85
	256QAM	Low	2 117.50	37.18	5.22
		Middle	2 145.00	37.26	5.32
		High	2 172.50	37.59	5.74
2	QPSK	Low	2 117.50	37.46	5.57
		Middle	2 145.00	37.82	6.05
		High	2 172.50	37.88	6.14
	16QAM	Low	2 117.50	37.65	5.82
		Middle	2 145.00	38.20	6.61
		High	2 172.50	38.02	6.34
	64QAM	Low	2 117.50	37.41	5.50
		Middle	2 145.00	37.42	5.52
		High	2 172.50	37.77	5.99
	256QAM	Low	2 117.50	37.44	5.54
		Middle	2 145.00	37.54	5.67
		High	2 172.50	37.92	6.19
3	QPSK	Low	2 117.50	36.86	4.86
		Middle	2 145.00	36.94	4.94
		High	2 172.50	37.34	5.43
	16QAM	Low	2 117.50	37.61	5.76
		Middle	2 145.00	37.25	5.31
		High	2 172.50	37.68	5.86
	64QAM	Low	2 117.50	36.92	4.92
		Middle	2 145.00	36.96	4.96
		High	2 172.50	37.28	5.34
	256QAM	Low	2 117.50	36.91	4.91
		Middle	2 145.00	37.14	5.18
		High	2 172.50	37.32	5.39

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 117.50	36.91	4.91
		Middle	2 145.00	37.07	5.09
		High	2 172.50	37.21	5.26
	16QAM	Low	2 117.50	37.13	5.17
		Middle	2 145.00	37.09	5.12
		High	2 172.50	37.69	5.88
	64QAM	Low	2 117.50	37.16	5.20
		Middle	2 145.00	37.13	5.16
		High	2 172.50	37.49	5.61
	256QAM	Low	2 117.50	37.10	5.12
		Middle	2 145.00	36.80	4.79
		High	2 172.50	37.33	5.41
1	QPSK	Low	2 117.50	37.04	5.06
		Middle	2 145.00	37.32	5.40
		High	2 172.50	37.52	5.65
	16QAM	Low	2 117.50	37.15	5.19
		Middle	2 145.00	37.39	5.49
		High	2 172.50	37.62	5.78
	64QAM	Low	2 117.50	37.32	5.40
		Middle	2 145.00	37.42	5.52
		High	2 172.50	37.61	5.77
	256QAM	Low	2 117.50	37.12	5.15
		Middle	2 145.00	37.37	5.46
		High	2 172.50	37.65	5.81
2	QPSK	Low	2 117.50	37.05	5.07
		Middle	2 145.00	37.26	5.33
		High	2 172.50	37.73	5.92
	16QAM	Low	2 117.50	37.48	5.59
		Middle	2 145.00	37.56	5.70
		High	2 172.50	37.69	5.88
	64QAM	Low	2 117.50	36.98	4.99
		Middle	2 145.00	37.47	5.58
		High	2 172.50	37.76	5.97
	256QAM	Low	2 117.50	37.28	5.35
		Middle	2 145.00	37.19	5.23
		High	2 172.50	37.77	5.98
3	QPSK	Low	2 117.50	37.10	5.13
		Middle	2 145.00	36.91	4.91
		High	2 172.50	37.40	5.50
	16QAM	Low	2 117.50	37.08	5.11
		Middle	2 145.00	37.13	5.16
		High	2 172.50	37.41	5.50
	64QAM	Low	2 117.50	37.15	5.18
		Middle	2 145.00	37.09	5.11
		High	2 172.50	37.36	5.44
	256QAM	Low	2 117.50	36.91	4.91
		Middle	2 145.00	37.09	5.11
		High	2 172.50	37.62	5.78

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 120.00	36.82	4.81
		Middle	2 145.00	37.08	5.10
		High	2 170.00	37.68	5.86
	16QAM	Low	2 120.00	37.14	5.18
		Middle	2 145.00	37.16	5.19
		High	2 170.00	37.43	5.54
	64QAM	Low	2 120.00	36.91	4.91
		Middle	2 145.00	37.09	5.12
		High	2 170.00	37.06	5.09
	256QAM	Low	2 120.00	36.81	4.80
		Middle	2 145.00	37.04	5.06
		High	2 170.00	37.11	5.14
1	QPSK	Low	2 120.00	37.37	5.45
		Middle	2 145.00	37.44	5.54
		High	2 170.00	37.97	6.27
	16QAM	Low	2 120.00	37.34	5.42
		Middle	2 145.00	37.46	5.58
		High	2 170.00	37.66	5.83
	64QAM	Low	2 120.00	37.24	5.29
		Middle	2 145.00	37.57	5.72
		High	2 170.00	37.51	5.64
	256QAM	Low	2 120.00	37.19	5.24
		Middle	2 145.00	37.49	5.61
		High	2 170.00	37.59	5.74
2	QPSK	Low	2 120.00	37.16	5.20
		Middle	2 145.00	37.54	5.68
		High	2 170.00	37.75	5.95
	16QAM	Low	2 120.00	37.37	5.46
		Middle	2 145.00	37.77	5.99
		High	2 170.00	37.65	5.82
	64QAM	Low	2 120.00	37.27	5.34
		Middle	2 145.00	37.28	5.35
		High	2 170.00	37.89	6.16
	256QAM	Low	2 120.00	37.25	5.31
		Middle	2 145.00	37.35	5.43
		High	2 170.00	37.53	5.66
3	QPSK	Low	2 120.00	37.17	5.21
		Middle	2 145.00	37.09	5.11
		High	2 170.00	37.32	5.40
	16QAM	Low	2 120.00	37.23	5.28
		Middle	2 145.00	37.22	5.27
		High	2 170.00	37.39	5.48
	64QAM	Low	2 120.00	37.04	5.06
		Middle	2 145.00	37.07	5.09
		High	2 170.00	36.98	4.99
	256QAM	Low	2 120.00	37.03	5.05
		Middle	2 145.00	37.44	5.55
		High	2 170.00	37.36	5.45

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

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 140.00	33.29	2.14
		Middle	2 145.00	33.23	2.11
		High	2 150.00	33.08	2.03
	16QAM	Low	2 140.00	33.75	2.37
		Middle	2 145.00	33.38	2.18
		High	2 150.00	33.30	2.14
	64QAM	Low	2 140.00	33.06	2.02
		Middle	2 145.00	33.22	2.10
		High	2 150.00	33.31	2.14
	256QAM	Low	2 140.00	33.28	2.13
		Middle	2 145.00	33.24	2.11
		High	2 150.00	33.22	2.10
1	QPSK	Low	2 140.00	33.67	2.33
		Middle	2 145.00	33.55	2.26
		High	2 150.00	33.63	2.31
	16QAM	Low	2 140.00	33.94	2.48
		Middle	2 145.00	33.83	2.42
		High	2 150.00	34.04	2.54
	64QAM	Low	2 140.00	33.40	2.19
		Middle	2 145.00	33.58	2.28
		High	2 150.00	33.52	2.25
	256QAM	Low	2 140.00	33.51	2.24
		Middle	2 145.00	33.77	2.38
		High	2 150.00	33.69	2.34
2	QPSK	Low	2 140.00	33.88	2.44
		Middle	2 145.00	33.47	2.22
		High	2 150.00	33.88	2.45
	16QAM	Low	2 140.00	34.26	2.67
		Middle	2 145.00	33.82	2.41
		High	2 150.00	33.86	2.43
	64QAM	Low	2 140.00	33.69	2.34
		Middle	2 145.00	33.66	2.32
		High	2 150.00	33.51	2.24
	256QAM	Low	2 140.00	33.76	2.37
		Middle	2 145.00	33.67	2.33
		High	2 150.00	33.50	2.24
3	QPSK	Low	2 140.00	33.60	2.29
		Middle	2 145.00	33.39	2.18
		High	2 150.00	33.29	2.13
	16QAM	Low	2 140.00	33.50	2.24
		Middle	2 145.00	33.52	2.25
		High	2 150.00	33.56	2.27
	64QAM	Low	2 140.00	33.39	2.18
		Middle	2 145.00	33.23	2.10
		High	2 150.00	33.21	2.09
	256QAM	Low	2 140.00	33.26	2.12
		Middle	2 145.00	33.42	2.20
		High	2 150.00	33.32	2.15

(4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 140.00	32.84	1.92
		Middle	2 145.00	32.81	1.91
		High	2 150.00	33.13	2.05
	16QAM	Low	2 140.00	33.17	2.07
		Middle	2 145.00	33.11	2.05
		High	2 150.00	32.98	1.99
	64QAM	Low	2 140.00	33.28	2.13
		Middle	2 145.00	33.18	2.08
		High	2 150.00	32.98	1.99
	256QAM	Low	2 140.00	33.05	2.02
		Middle	2 145.00	33.04	2.01
		High	2 150.00	33.25	2.11
1	QPSK	Low	2 140.00	33.20	2.09
		Middle	2 145.00	33.30	2.14
		High	2 150.00	33.22	2.10
	16QAM	Low	2 140.00	33.55	2.27
		Middle	2 145.00	33.42	2.20
		High	2 150.00	33.74	2.37
	64QAM	Low	2 140.00	33.40	2.19
		Middle	2 145.00	33.34	2.16
		High	2 150.00	33.25	2.11
	256QAM	Low	2 140.00	33.26	2.12
		Middle	2 145.00	33.31	2.14
		High	2 150.00	33.33	2.15
2	QPSK	Low	2 140.00	33.39	2.18
		Middle	2 145.00	33.60	2.29
		High	2 150.00	33.25	2.11
	16QAM	Low	2 140.00	33.42	2.20
		Middle	2 145.00	33.46	2.22
		High	2 150.00	33.54	2.26
	64QAM	Low	2 140.00	33.43	2.20
		Middle	2 145.00	33.15	2.06
		High	2 150.00	33.39	2.18
	256QAM	Low	2 140.00	33.45	2.21
		Middle	2 145.00	33.36	2.17
		High	2 150.00	33.42	2.20
3	QPSK	Low	2 140.00	33.02	2.00
		Middle	2 145.00	33.27	2.12
		High	2 150.00	33.06	2.02
	16QAM	Low	2 140.00	33.19	2.09
		Middle	2 145.00	33.08	2.03
		High	2 150.00	33.18	2.08
	64QAM	Low	2 140.00	33.16	2.07
		Middle	2 145.00	32.99	1.99
		High	2 150.00	33.10	2.04
	256QAM	Low	2 140.00	33.05	2.02
		Middle	2 145.00	33.16	2.07
		High	2 150.00	33.07	2.03

(4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz
1 Carrier [4 Carrier]

Ant.	Mod	Ch	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	Low	2 140.00	33.26	2.12
		Middle	2 145.00	33.14	2.06
		High	2 150.00	33.26	2.12
	16QAM	Low	2 140.00	33.60	2.29
		Middle	2 145.00	33.35	2.16
		High	2 150.00	33.50	2.24
	64QAM	Low	2 140.00	33.13	2.06
		Middle	2 145.00	33.05	2.02
		High	2 150.00	33.39	2.18
	256QAM	Low	2 140.00	33.34	2.16
		Middle	2 145.00	33.31	2.14
		High	2 150.00	33.26	2.12
1	QPSK	Low	2 140.00	33.46	2.22
		Middle	2 145.00	33.55	2.27
		High	2 150.00	33.72	2.36
	16QAM	Low	2 140.00	34.07	2.55
		Middle	2 145.00	33.56	2.27
		High	2 150.00	33.71	2.35
	64QAM	Low	2 140.00	33.40	2.19
		Middle	2 145.00	33.33	2.15
		High	2 150.00	33.70	2.34
	256QAM	Low	2 140.00	33.46	2.22
		Middle	2 145.00	33.40	2.19
		High	2 150.00	33.80	2.40
2	QPSK	Low	2 140.00	33.55	2.27
		Middle	2 145.00	33.73	2.36
		High	2 150.00	33.68	2.33
	16QAM	Low	2 140.00	34.40	2.75
		Middle	2 145.00	33.62	2.30
		High	2 150.00	34.01	2.52
	64QAM	Low	2 140.00	33.53	2.25
		Middle	2 145.00	33.60	2.29
		High	2 150.00	33.62	2.30
	256QAM	Low	2 140.00	33.72	2.36
		Middle	2 145.00	33.59	2.29
		High	2 150.00	33.99	2.51
3	QPSK	Low	2 140.00	33.40	2.19
		Middle	2 145.00	33.23	2.10
		High	2 150.00	33.49	2.23
	16QAM	Low	2 140.00	33.79	2.39
		Middle	2 145.00	33.34	2.16
		High	2 150.00	33.26	2.12
	64QAM	Low	2 140.00	33.26	2.12
		Middle	2 145.00	33.17	2.07
		High	2 150.00	33.46	2.22
	256QAM	Low	2 140.00	33.41	2.19
		Middle	2 145.00	33.23	2.10
		High	2 150.00	33.29	2.13

Tabular Data of RF Non-Contiguous PSD

(4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1 935.00 + 1 992.50	37.11	5.14
	16QAM	1 935.00 + 1 992.50	37.54	5.68
	64QAM	1 935.00 + 1 992.50	37.28	5.35
	256QAM	1 935.00 + 1 992.50	37.27	5.33
1	QPSK	1 935.00 + 1 992.50	37.21	5.26
	16QAM	1 935.00 + 1 992.50	37.48	5.59
	64QAM	1 935.00 + 1 992.50	37.30	5.37
	256QAM	1 935.00 + 1 992.50	37.41	5.51
2	QPSK	1 935.00 + 1 992.50	37.51	5.63
	16QAM	1 935.00 + 1 992.50	37.56	5.71
	64QAM	1 935.00 + 1 992.50	37.50	5.62
	256QAM	1 935.00 + 1 992.50	37.31	5.38
3	QPSK	1 935.00 + 1 992.50	37.74	5.94
	16QAM	1 935.00 + 1 992.50	38.16	6.54
	64QAM	1 935.00 + 1 992.50	37.70	5.89
	256QAM	1 935.00 + 1 992.50	37.88	6.14

(4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1 940.00 + 1 990.00	35.45	3.51
	16QAM	1 940.00 + 1 990.00	35.68	3.70
	64QAM	1 940.00 + 1 990.00	35.45	3.51
	256QAM	1 940.00 + 1 990.00	35.81	3.81
1	QPSK	1 940.00 + 1 990.00	35.32	3.41
	16QAM	1 940.00 + 1 990.00	35.55	3.59
	64QAM	1 940.00 + 1 990.00	35.39	3.46
	256QAM	1 940.00 + 1 990.00	35.64	3.67
2	QPSK	1 940.00 + 1 990.00	35.35	3.43
	16QAM	1 940.00 + 1 990.00	35.75	3.75
	64QAM	1 940.00 + 1 990.00	35.46	3.52
	256QAM	1 940.00 + 1 990.00	35.56	3.60
3	QPSK	1 940.00 + 1 990.00	35.76	3.77
	16QAM	1 940.00 + 1 990.00	36.04	4.01
	64QAM	1 940.00 + 1 990.00	35.88	3.87
	256QAM	1 940.00 + 1 990.00	35.91	3.90

(4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1 935.00 + 1 992.50	37.14	5.17
	16QAM	1 935.00 + 1 992.50	37.22	5.27
	64QAM	1 935.00 + 1 992.50	37.51	5.64
	256QAM	1 935.00 + 1 992.50	37.32	5.39
1	QPSK	1 935.00 + 1 992.50	37.28	5.34
	16QAM	1 935.00 + 1 992.50	37.33	5.40
	64QAM	1 935.00 + 1 992.50	37.32	5.40
	256QAM	1 935.00 + 1 992.50	37.47	5.59
2	QPSK	1 935.00 + 1 992.50	37.25	5.31
	16QAM	1 935.00 + 1 992.50	37.59	5.74
	64QAM	1 935.00 + 1 992.50	37.35	5.44
	256QAM	1 935.00 + 1 992.50	37.53	5.66
3	QPSK	1 935.00 + 1 992.50	37.61	5.76
	16QAM	1 935.00 + 1 992.50	37.82	6.05
	64QAM	1 935.00 + 1 992.50	37.84	6.08
	256QAM	1 935.00 + 1 992.50	37.77	5.99

(4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	1 935.00 + 1 985.00	35.44	3.50
	16QAM	1 935.00 + 1 985.00	35.53	3.57
	64QAM	1 935.00 + 1 985.00	35.43	3.50
	256QAM	1 935.00 + 1 985.00	35.45	3.50
1	QPSK	1 935.00 + 1 985.00	35.39	3.46
	16QAM	1 935.00 + 1 985.00	35.66	3.68
	64QAM	1 935.00 + 1 985.00	35.51	3.55
	256QAM	1 935.00 + 1 985.00	35.82	3.82
2	QPSK	1 935.00 + 1 985.00	35.70	3.72
	16QAM	1 935.00 + 1 985.00	36.04	4.02
	64QAM	1 935.00 + 1 985.00	35.75	3.76
	256QAM	1 935.00 + 1 985.00	35.67	3.69
3	QPSK	1 935.00 + 1 985.00	35.61	3.64
	16QAM	1 935.00 + 1 985.00	36.02	4.00
	64QAM	1 935.00 + 1 985.00	35.82	3.82
	256QAM	1 935.00 + 1 985.00	35.84	3.84

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

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 115.00 + 2 177.50	37.10	5.13
	16QAM	2 115.00 + 2 177.50	37.08	5.11
	64QAM	2 115.00 + 2 177.50	37.01	5.02
	256QAM	2 115.00 + 2 177.50	36.78	4.76
1	QPSK	2 115.00 + 2 177.50	37.23	5.28
	16QAM	2 115.00 + 2 177.50	37.32	5.40
	64QAM	2 115.00 + 2 177.50	37.26	5.32
	256QAM	2 115.00 + 2 177.50	37.29	5.35
2	QPSK	2 115.00 + 2 177.50	37.51	5.64
	16QAM	2 115.00 + 2 177.50	37.73	5.93
	64QAM	2 115.00 + 2 177.50	37.45	5.55
	256QAM	2 115.00 + 2 177.50	37.35	5.44
3	QPSK	2 115.00 + 2 177.50	36.89	4.88
	16QAM	2 115.00 + 2 177.50	37.01	5.03
	64QAM	2 115.00 + 2 177.50	36.90	4.89
	256QAM	2 115.00 + 2 177.50	36.96	4.97

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier]

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 115.00 + 2 177.50	36.91	4.90
	16QAM	2 115.00 + 2 177.50	37.02	5.03
	64QAM	2 115.00 + 2 177.50	36.93	4.93
	256QAM	2 115.00 + 2 177.50	37.01	5.03
1	QPSK	2 115.00 + 2 177.50	37.12	5.15
	16QAM	2 115.00 + 2 177.50	37.41	5.51
	64QAM	2 115.00 + 2 177.50	37.16	5.19
	256QAM	2 115.00 + 2 177.50	37.35	5.43
2	QPSK	2 115.00 + 2 177.50	37.44	5.55
	16QAM	2 115.00 + 2 177.50	37.39	5.48
	64QAM	2 115.00 + 2 177.50	37.50	5.62
	256QAM	2 115.00 + 2 177.50	37.43	5.53
3	QPSK	2 115.00 + 2 177.50	36.92	4.92
	16QAM	2 115.00 + 2 177.50	37.19	5.24
	64QAM	2 115.00 + 2 177.50	36.87	4.87
	256QAM	2 115.00 + 2 177.50	37.01	5.02

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (1C+2C)

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 115.00 + 2 175.00	37.06	5.08
	16QAM	2 115.00 + 2 175.00	37.28	5.35
	64QAM	2 115.00 + 2 175.00	36.77	4.75
	256QAM	2 115.00 + 2 175.00	36.68	4.66
1	QPSK	2 115.00 + 2 175.00	37.30	5.37
	16QAM	2 115.00 + 2 175.00	37.55	5.69
	64QAM	2 115.00 + 2 175.00	37.07	5.10
	256QAM	2 115.00 + 2 175.00	37.40	5.50
2	QPSK	2 115.00 + 2 175.00	37.44	5.55
	16QAM	2 115.00 + 2 175.00	37.85	6.10
	64QAM	2 115.00 + 2 175.00	37.42	5.52
	256QAM	2 115.00 + 2 175.00	37.46	5.57
3	QPSK	2 115.00 + 2 175.00	37.01	5.02
	16QAM	2 115.00 + 2 175.00	37.03	5.04
	64QAM	2 115.00 + 2 175.00	37.04	5.06
	256QAM	2 115.00 + 2 175.00	36.70	4.68

(4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] (2C+1C)

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 117.50 + 2 177.50	36.86	4.85
	16QAM	2 117.50 + 2 177.50	36.87	4.86
	64QAM	2 117.50 + 2 177.50	36.68	4.65
	256QAM	2 117.50 + 2 177.50	36.54	4.51
1	QPSK	2 117.50 + 2 177.50	37.31	5.38
	16QAM	2 117.50 + 2 177.50	37.51	5.64
	64QAM	2 117.50 + 2 177.50	37.35	5.44
	256QAM	2 117.50 + 2 177.50	37.24	5.30
2	QPSK	2 117.50 + 2 177.50	37.71	5.90
	16QAM	2 117.50 + 2 177.50	37.55	5.69
	64QAM	2 117.50 + 2 177.50	37.37	5.45
	256QAM	2 117.50 + 2 177.50	37.43	5.53
3	QPSK	2 117.50 + 2 177.50	36.87	4.86
	16QAM	2 117.50 + 2 177.50	37.02	5.04
	64QAM	2 117.50 + 2 177.50	36.86	4.86
	256QAM	2 117.50 + 2 177.50	37.01	5.02

(4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] (1C+3C)

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 120.00 + 2 160.00	33.37	2.17
	16QAM	2 120.00 + 2 160.00	33.79	2.40
	64QAM	2 120.00 + 2 160.00	33.43	2.20
	256QAM	2 120.00 + 2 160.00	33.24	2.11
1	QPSK	2 120.00 + 2 160.00	33.82	2.41
	16QAM	2 120.00 + 2 160.00	34.03	2.53
	64QAM	2 120.00 + 2 160.00	33.82	2.41
	256QAM	2 120.00 + 2 160.00	33.68	2.33
2	QPSK	2 120.00 + 2 160.00	33.70	2.34
	16QAM	2 120.00 + 2 160.00	34.34	2.71
	64QAM	2 120.00 + 2 160.00	33.81	2.40
	256QAM	2 120.00 + 2 160.00	33.86	2.43
3	QPSK	2 120.00 + 2 160.00	33.34	2.16
	16QAM	2 120.00 + 2 160.00	33.61	2.30
	64QAM	2 120.00 + 2 160.00	33.46	2.22
	256QAM	2 120.00 + 2 160.00	33.35	2.16

(4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] (3C+1C)

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 130.00 + 2 170.00	33.62	2.30
	16QAM	2 130.00 + 2 170.00	33.64	2.31
	64QAM	2 130.00 + 2 170.00	33.39	2.19
	256QAM	2 130.00 + 2 170.00	33.47	2.22
1	QPSK	2 130.00 + 2 170.00	33.98	2.50
	16QAM	2 130.00 + 2 170.00	34.14	2.60
	64QAM	2 130.00 + 2 170.00	33.52	2.25
	256QAM	2 130.00 + 2 170.00	33.81	2.41
2	QPSK	2 130.00 + 2 170.00	33.60	2.29
	16QAM	2 130.00 + 2 170.00	34.21	2.63
	64QAM	2 130.00 + 2 170.00	33.64	2.31
	256QAM	2 130.00 + 2 170.00	34.00	2.51
3	QPSK	2 130.00 + 2 170.00	33.41	2.19
	16QAM	2 130.00 + 2 170.00	33.69	2.34
	64QAM	2 130.00 + 2 170.00	33.34	2.16
	256QAM	2 130.00 + 2 170.00	33.37	2.17

(4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (1C+3C)

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 120.00 + 2 160.00	33.07	2.03
	16QAM	2 120.00 + 2 160.00	33.19	2.08
	64QAM	2 120.00 + 2 160.00	33.21	2.09
	256QAM	2 120.00 + 2 160.00	33.04	2.01
1	QPSK	2 120.00 + 2 160.00	33.56	2.27
	16QAM	2 120.00 + 2 160.00	33.44	2.21
	64QAM	2 120.00 + 2 160.00	33.24	2.11
	256QAM	2 120.00 + 2 160.00	33.50	2.24
2	QPSK	2 120.00 + 2 160.00	33.44	2.21
	16QAM	2 120.00 + 2 160.00	33.73	2.36
	64QAM	2 120.00 + 2 160.00	33.42	2.20
	256QAM	2 120.00 + 2 160.00	33.58	2.28
3	QPSK	2 120.00 + 2 160.00	33.23	2.10
	16QAM	2 120.00 + 2 160.00	33.32	2.15
	64QAM	2 120.00 + 2 160.00	33.21	2.09
	256QAM	2 120.00 + 2 160.00	33.17	2.07

(4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] (3C+1C)

Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 137.50 + 2 177.50	33.00	2.00
	16QAM	2 137.50 + 2 177.50	33.31	2.14
	64QAM	2 137.50 + 2 177.50	32.99	1.99
	256QAM	2 137.50 + 2 177.50	33.01	2.00
1	QPSK	2 137.50 + 2 177.50	33.31	2.14
	16QAM	2 137.50 + 2 177.50	33.75	2.37
	64QAM	2 137.50 + 2 177.50	33.39	2.18
	256QAM	2 137.50 + 2 177.50	33.37	2.17
2	QPSK	2 137.50 + 2 177.50	33.92	2.47
	16QAM	2 137.50 + 2 177.50	33.89	2.45
	64QAM	2 137.50 + 2 177.50	33.74	2.36
	256QAM	2 137.50 + 2 177.50	33.74	2.37
3	QPSK	2 137.50 + 2 177.50	33.03	2.01
	16QAM	2 137.50 + 2 177.50	33.49	2.24
	64QAM	2 137.50 + 2 177.50	33.10	2.04
	256QAM	2 137.50 + 2 177.50	33.12	2.05

(4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz
1 Carrier [4 Carrier] (1C+3C)

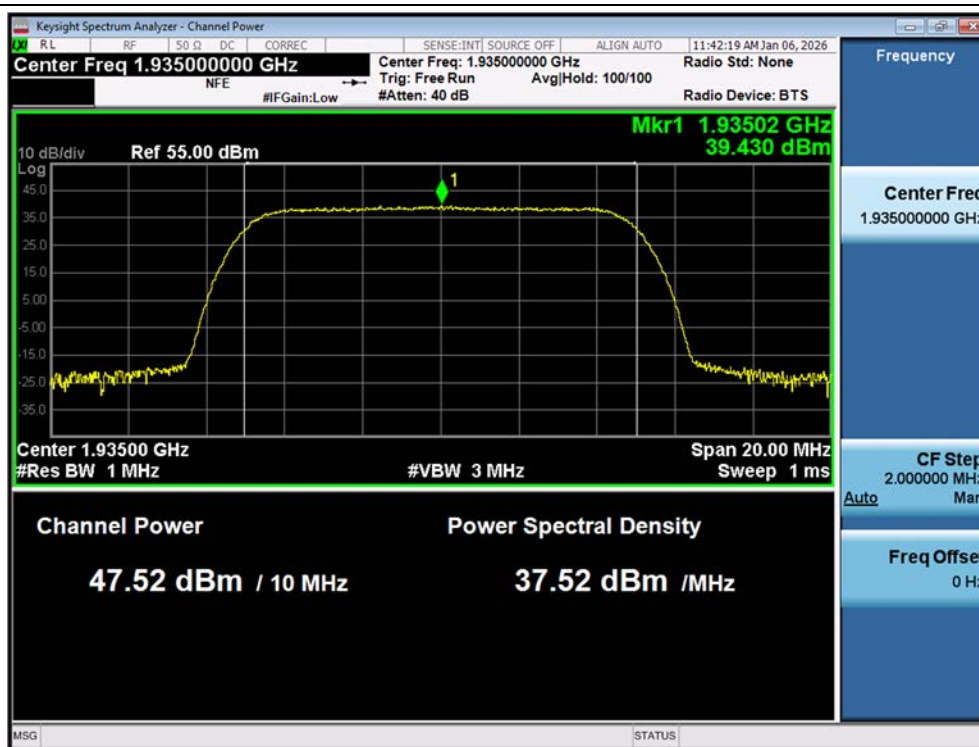
Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 117.50 + 2 157.50	33.56	2.27
	16QAM	2 117.50 + 2 157.50	33.67	2.33
	64QAM	2 117.50 + 2 157.50	33.21	2.09
	256QAM	2 117.50 + 2 157.50	33.43	2.20
1	QPSK	2 117.50 + 2 157.50	33.78	2.39
	16QAM	2 117.50 + 2 157.50	33.99	2.50
	64QAM	2 117.50 + 2 157.50	33.61	2.29
	256QAM	2 117.50 + 2 157.50	33.51	2.24
2	QPSK	2 117.50 + 2 157.50	33.72	2.35
	16QAM	2 117.50 + 2 157.50	34.00	2.51
	64QAM	2 117.50 + 2 157.50	33.65	2.32
	256QAM	2 117.50 + 2 157.50	33.78	2.39
3	QPSK	2 117.50 + 2 157.50	33.37	2.17
	16QAM	2 117.50 + 2 157.50	33.89	2.45
	64QAM	2 117.50 + 2 157.50	33.45	2.21
	256QAM	2 117.50 + 2 157.50	33.20	2.09

(4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz
1 Carrier [4 Carrier] (3C+1C)

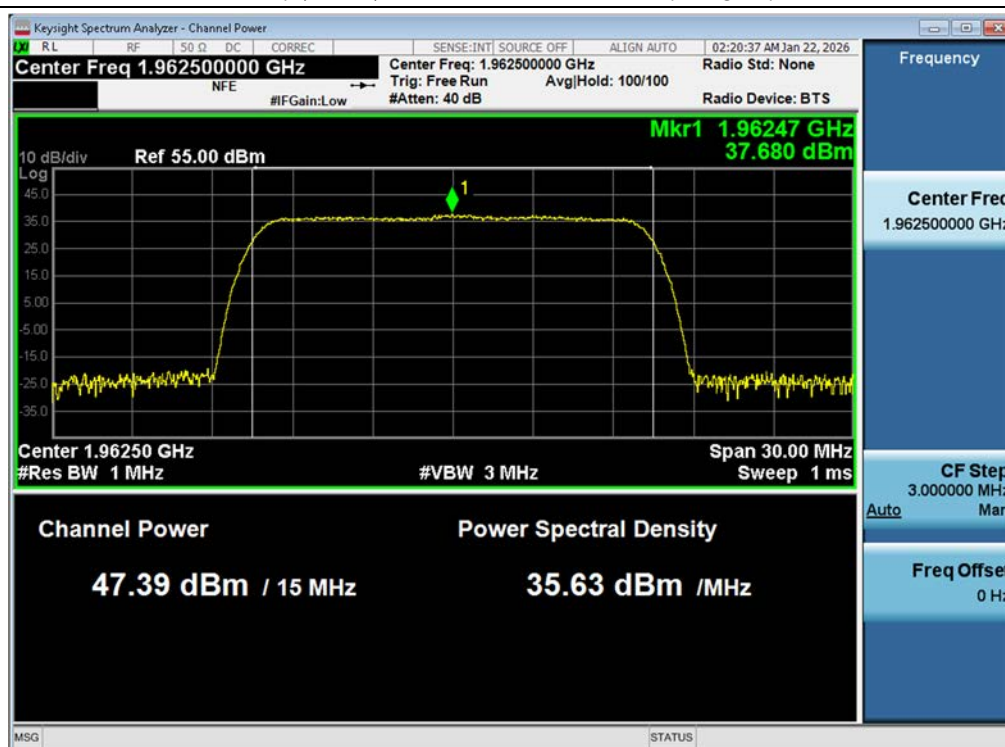
Ant.	Mod	Frequency (MHz)	Measured Level (dBm/MHz)	Calculated (W/MHz)
0	QPSK	2 127.50 + 2 167.50	32.94	1.97
	16QAM	2 127.50 + 2 167.50	33.13	2.06
	64QAM	2 127.50 + 2 167.50	33.32	2.15
	256QAM	2 127.50 + 2 167.50	33.22	2.10
1	QPSK	2 127.50 + 2 167.50	33.26	2.12
	16QAM	2 127.50 + 2 167.50	33.70	2.35
	64QAM	2 127.50 + 2 167.50	33.39	2.19
	256QAM	2 127.50 + 2 167.50	33.28	2.13
2	QPSK	2 127.50 + 2 167.50	33.29	2.13
	16QAM	2 127.50 + 2 167.50	33.59	2.29
	64QAM	2 127.50 + 2 167.50	33.48	2.23
	256QAM	2 127.50 + 2 167.50	33.56	2.27
3	QPSK	2 127.50 + 2 167.50	33.15	2.06
	16QAM	2 127.50 + 2 167.50	33.04	2.01
	64QAM	2 127.50 + 2 167.50	33.04	2.02
	256QAM	2 127.50 + 2 167.50	33.02	2.00

Plot Data of PSD

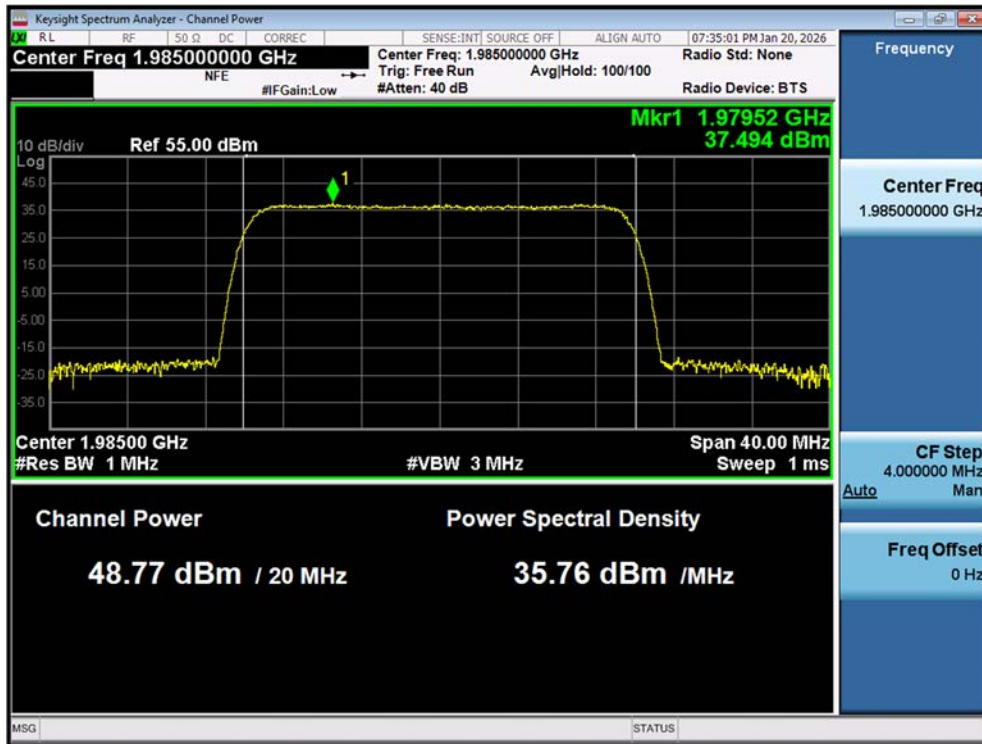
Antenna 2 / (4 Port) B25 DSS 10 MHz 1 Carrier / 16QAM / Low



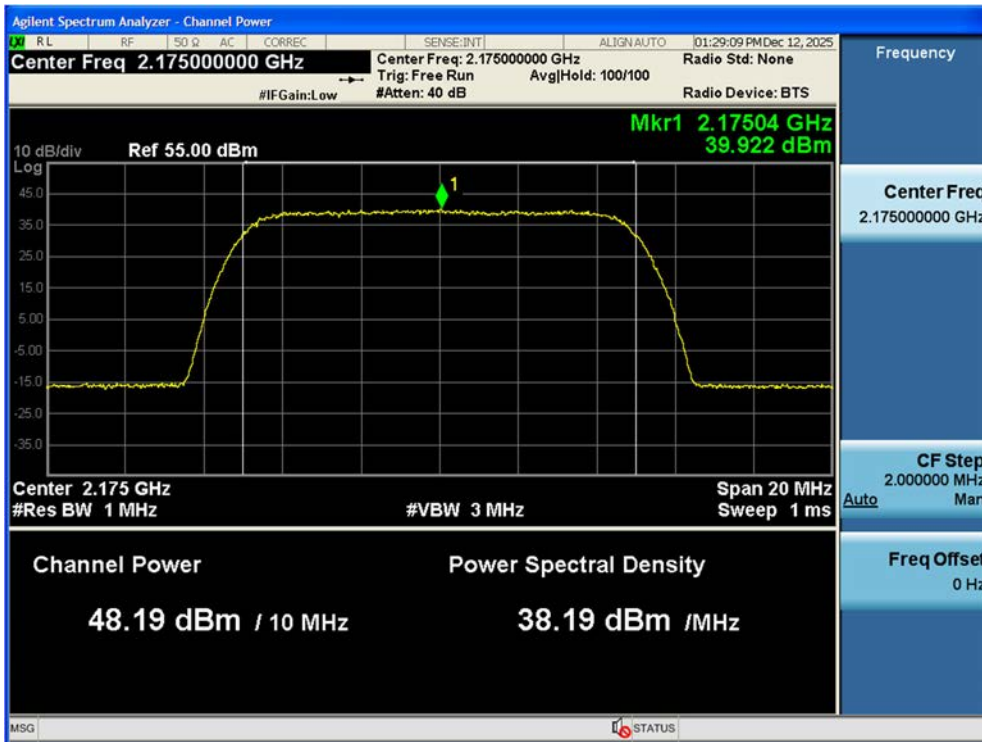
Antenna 3 / (4 Port) B25 DSS 15 MHz 1 Carrier / 16QAM / Middle



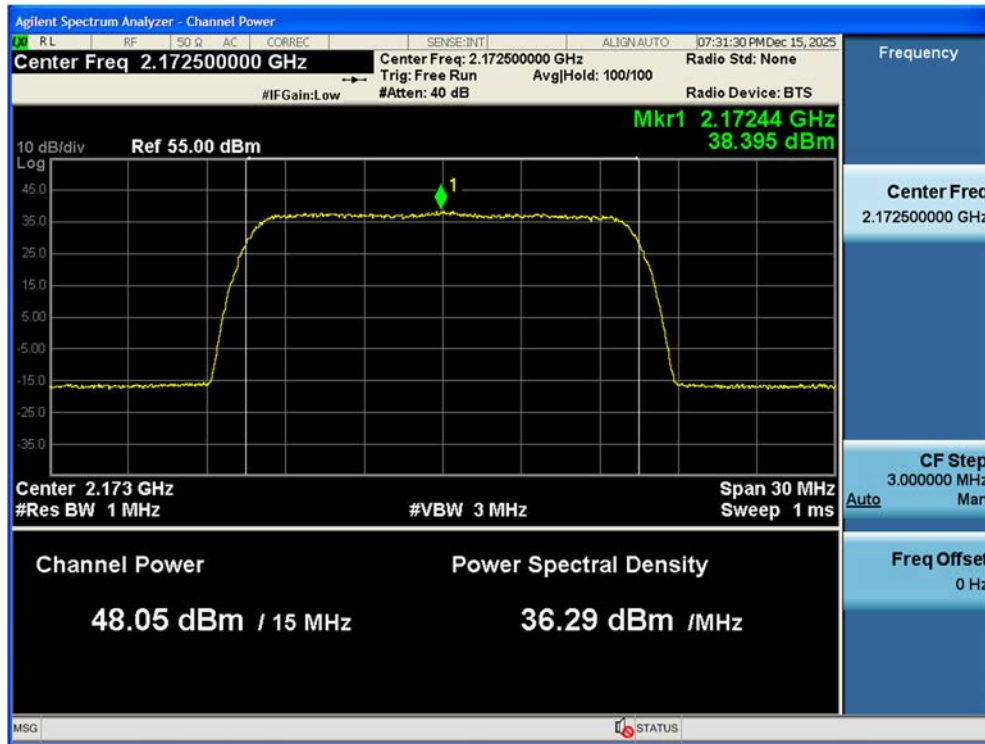
Antenna 3 / (4 Port) B25 DSS 20 MHz 1 Carrier / 16QAM / High



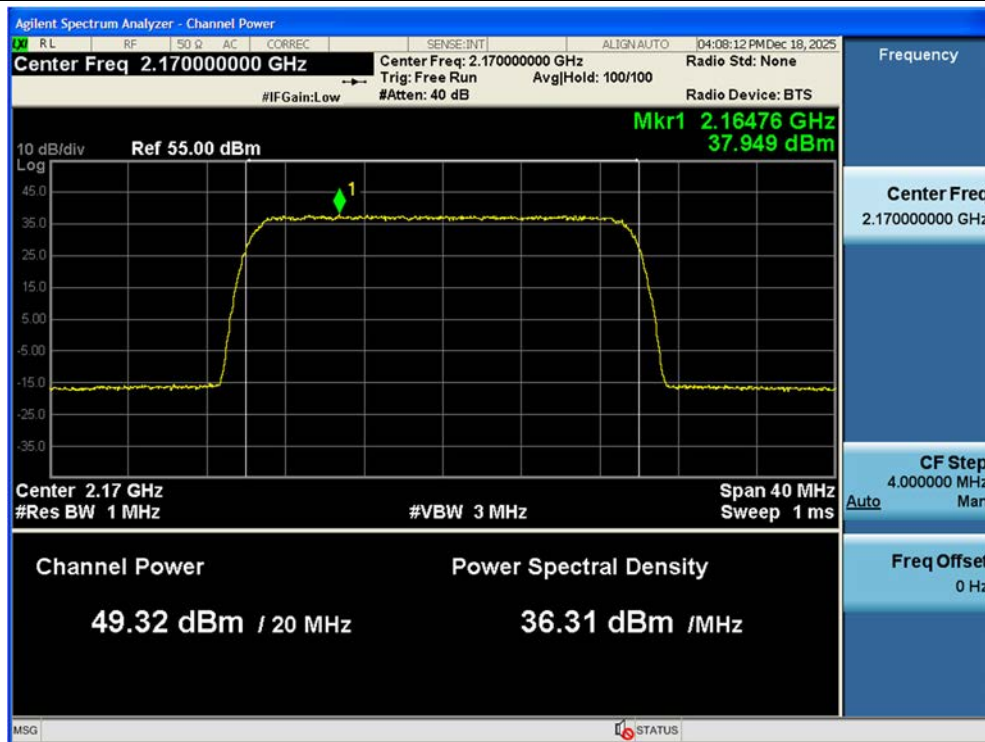
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier / 16QAM / High



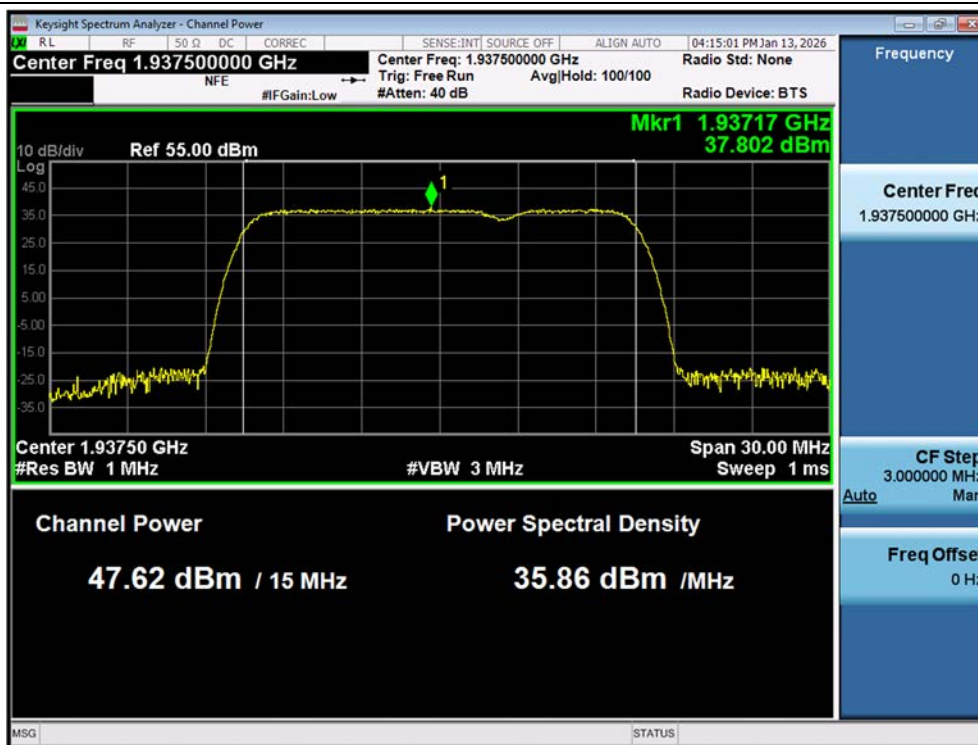
Antenna 1 / (4 Port) B66 DSS 15 MHz 1 Carrier / 16QAM / High



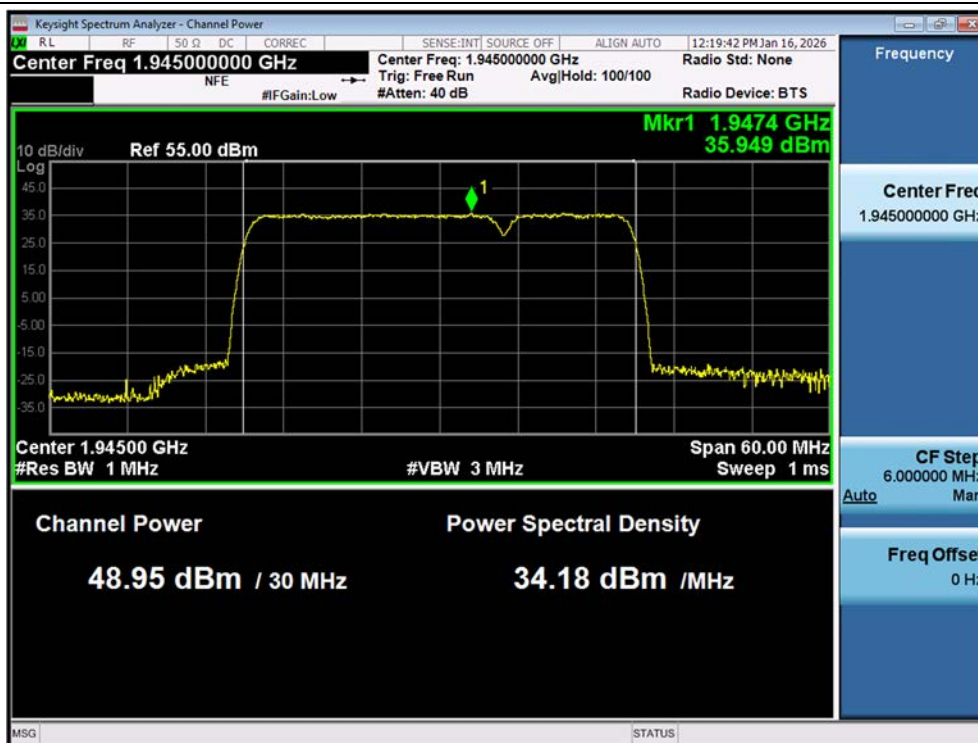
Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier / QPSK / High



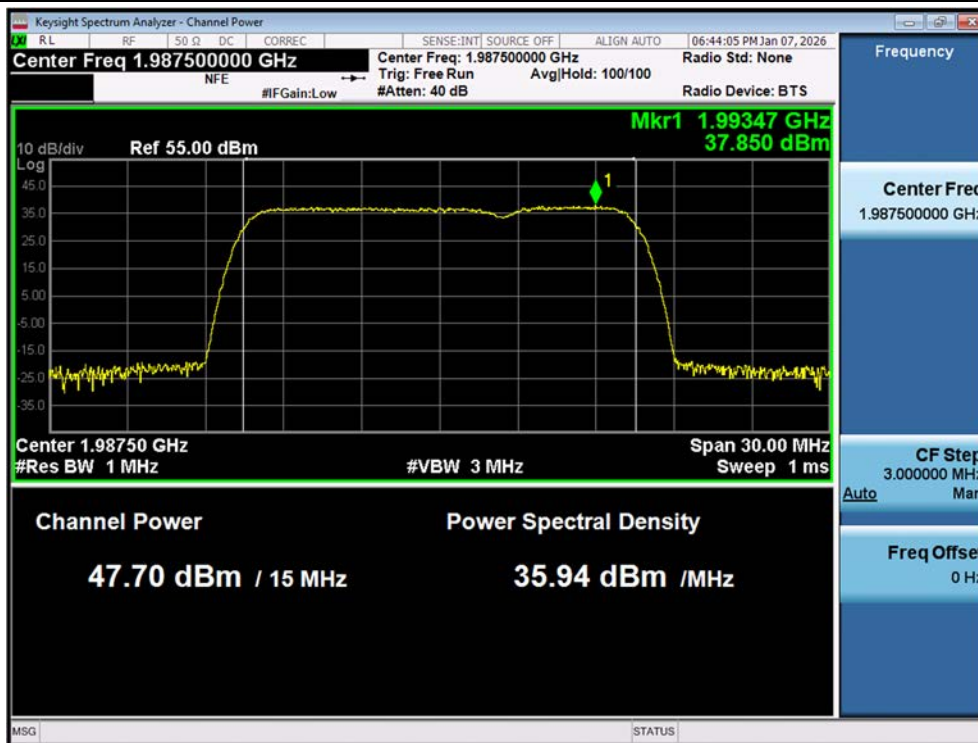
Antenna 2 / (4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier] / QPSK / Low / Contiguous



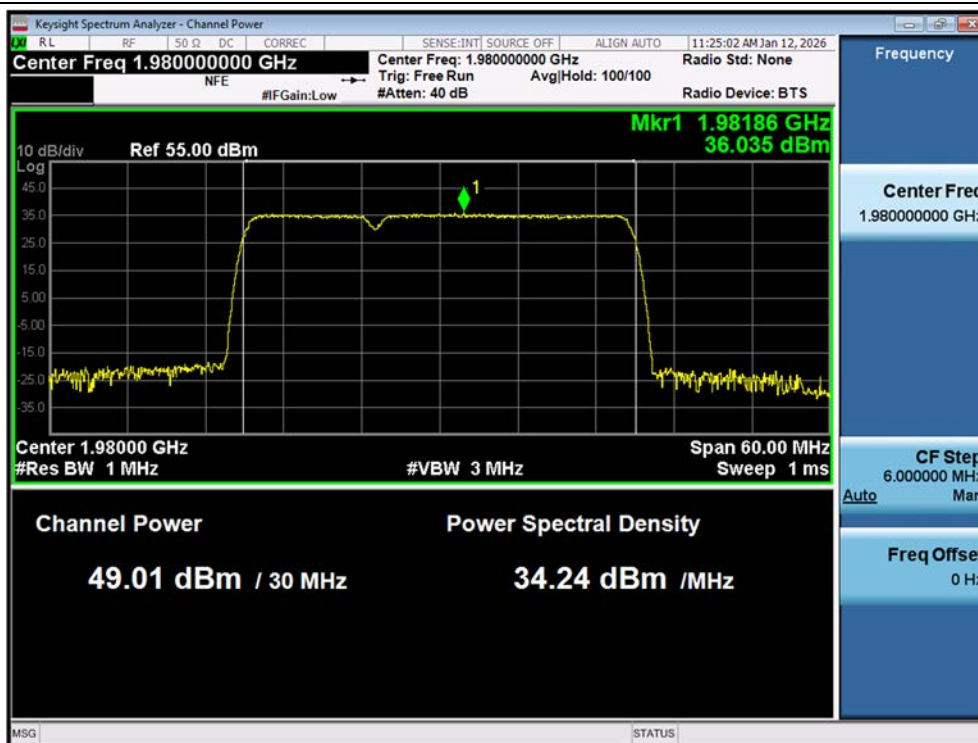
Antenna 3 / (4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Contiguous



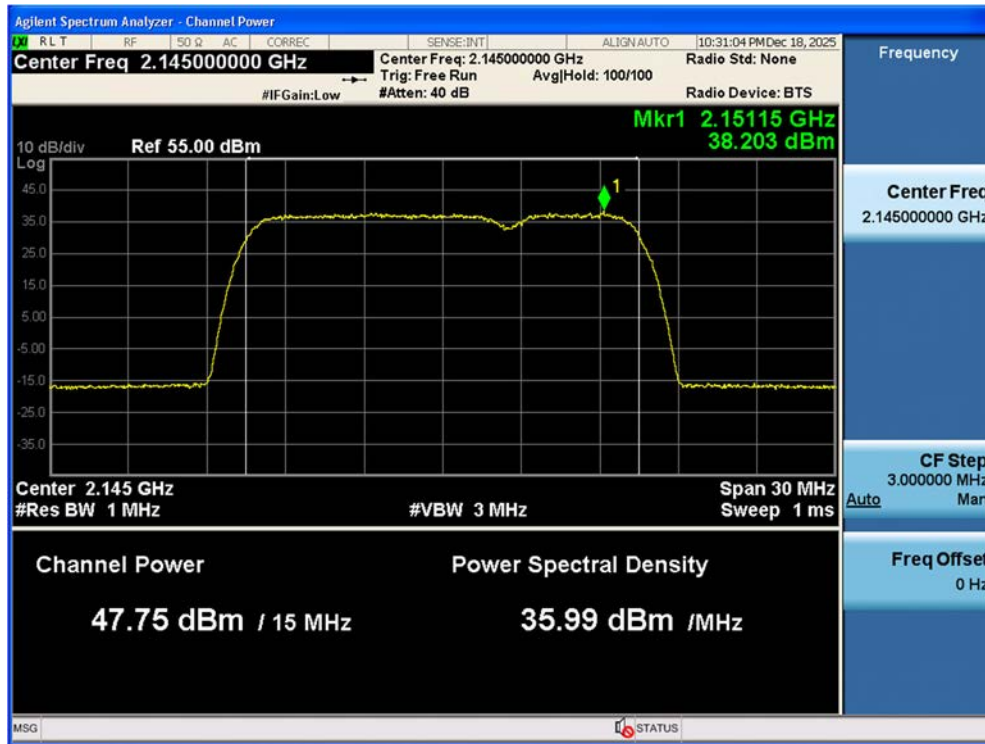
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier] / 16QAM / High / Contiguous



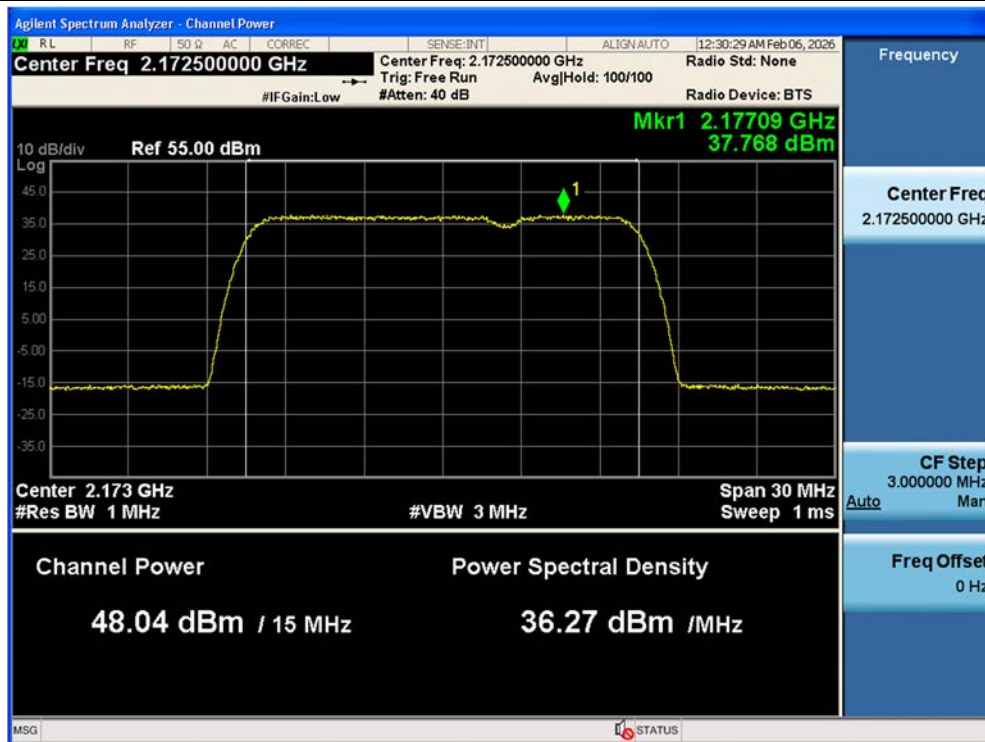
Antenna 2 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier] / QPSK / High / Contiguous



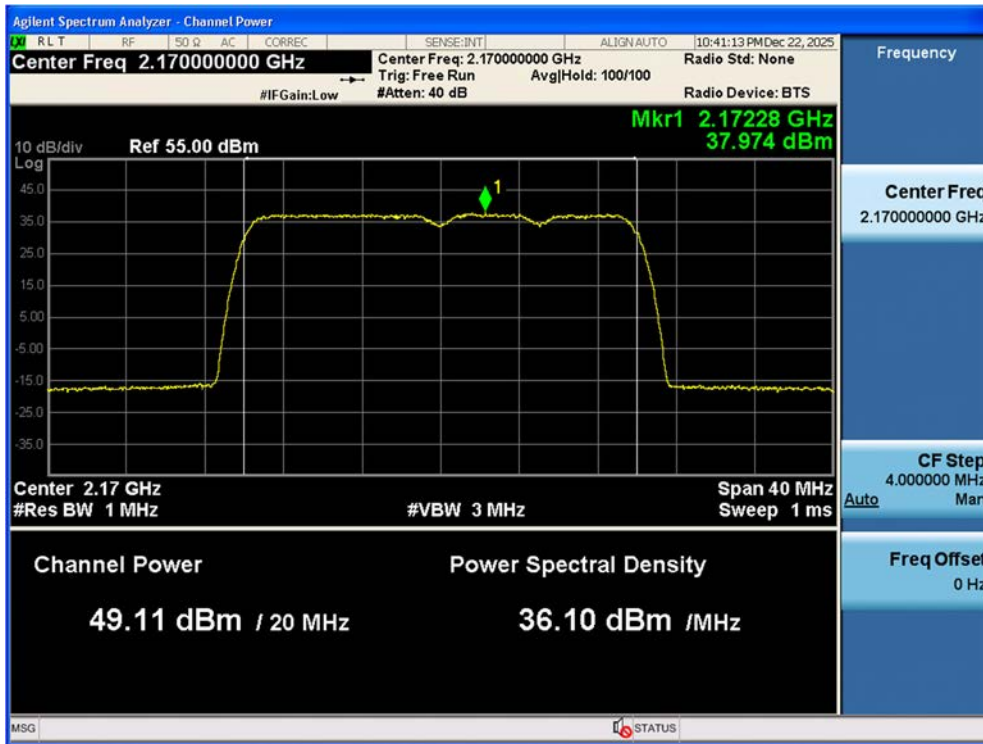
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / 16QAM / Middle / Contiguous



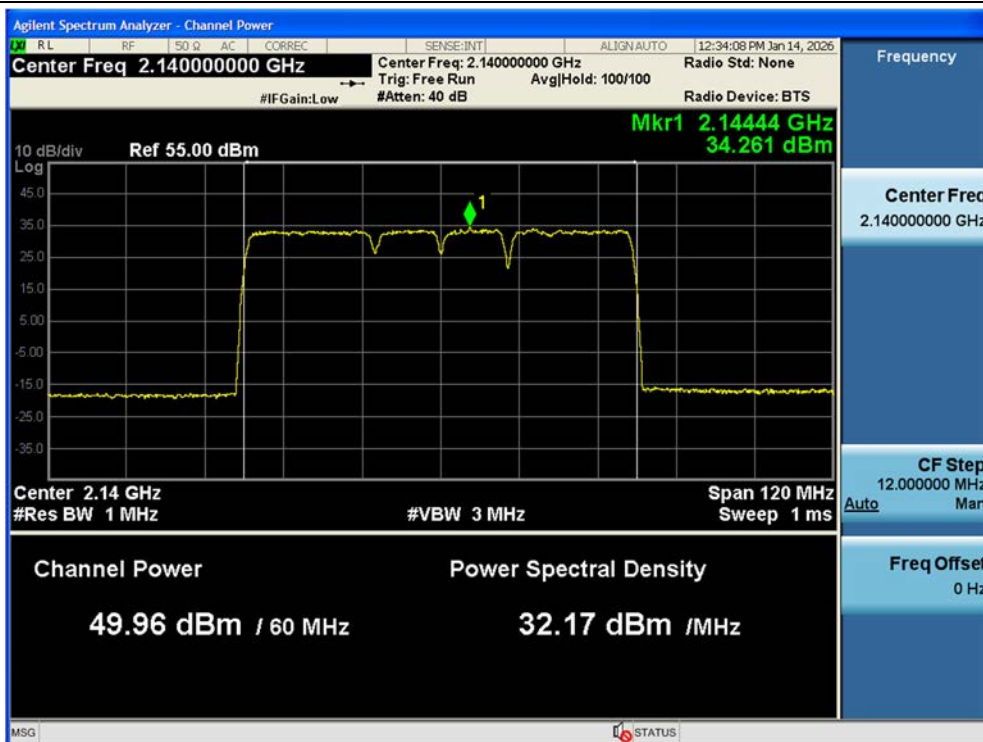
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier] / 256QAM / High / Contiguous



Antenna 1 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [3 Carrier] / QPSK / High / Contiguous

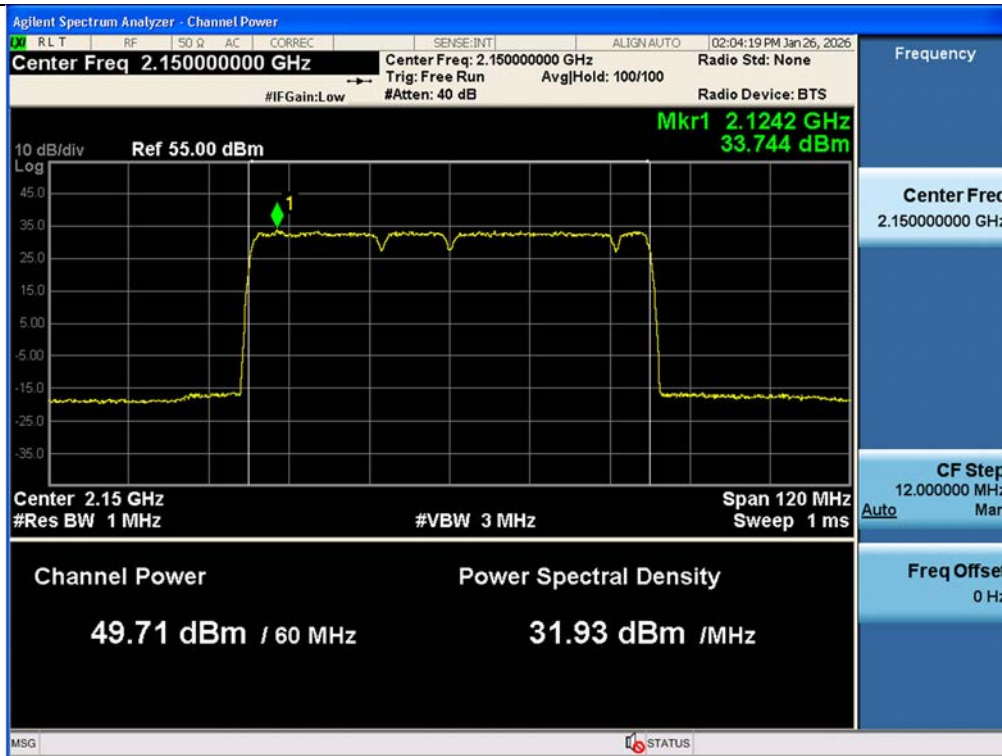


Antenna 2 / (4 Port) B66 DSS 20 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 10 MHz 1 Carrier + B66 LTE 20 MHz 1 Carrier [4 Carrier] / 16QAM / Low / Contiguous



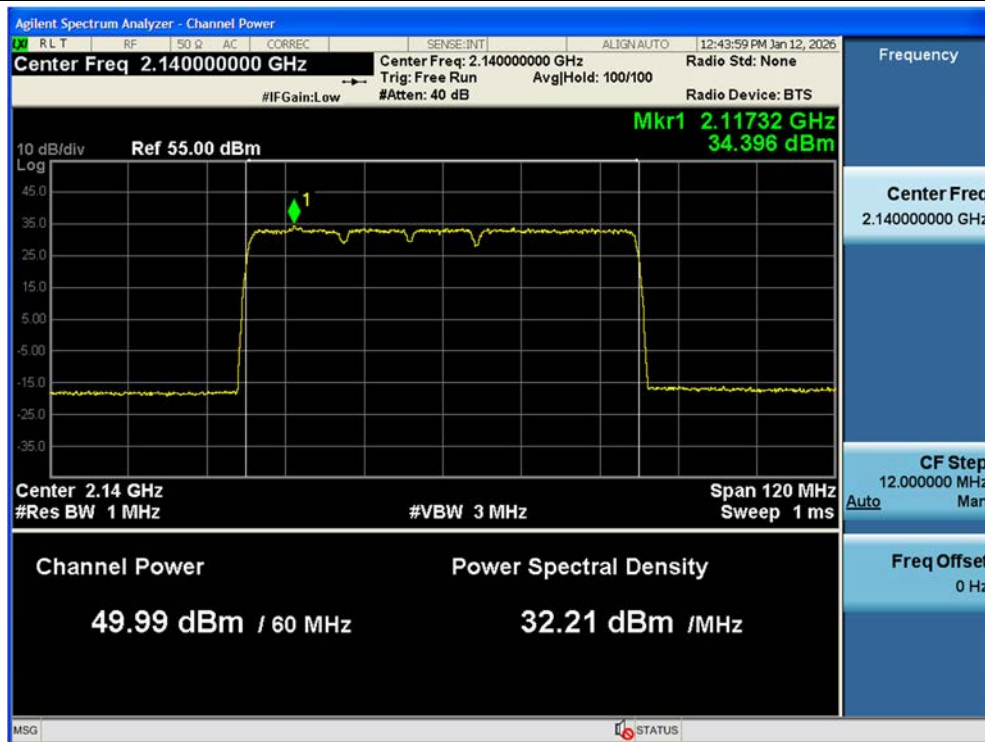
Antenna 1 / (4 Port) B66 DSS 20 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [4 Carrier] / 16QAM / High /

Contiguous

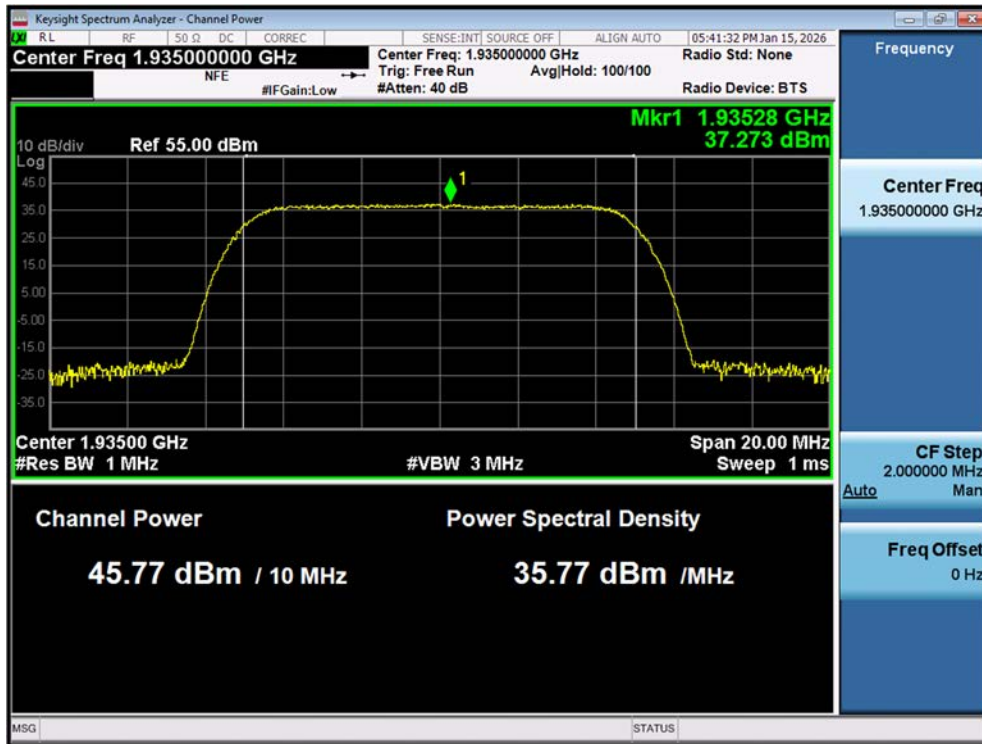


Antenna 2 / (4 Port) B66 DSS 15 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 10 MHz 1 Carrier + n66 5G NR 25 MHz 1 Carrier [4 Carrier] / 16QAM / Low /

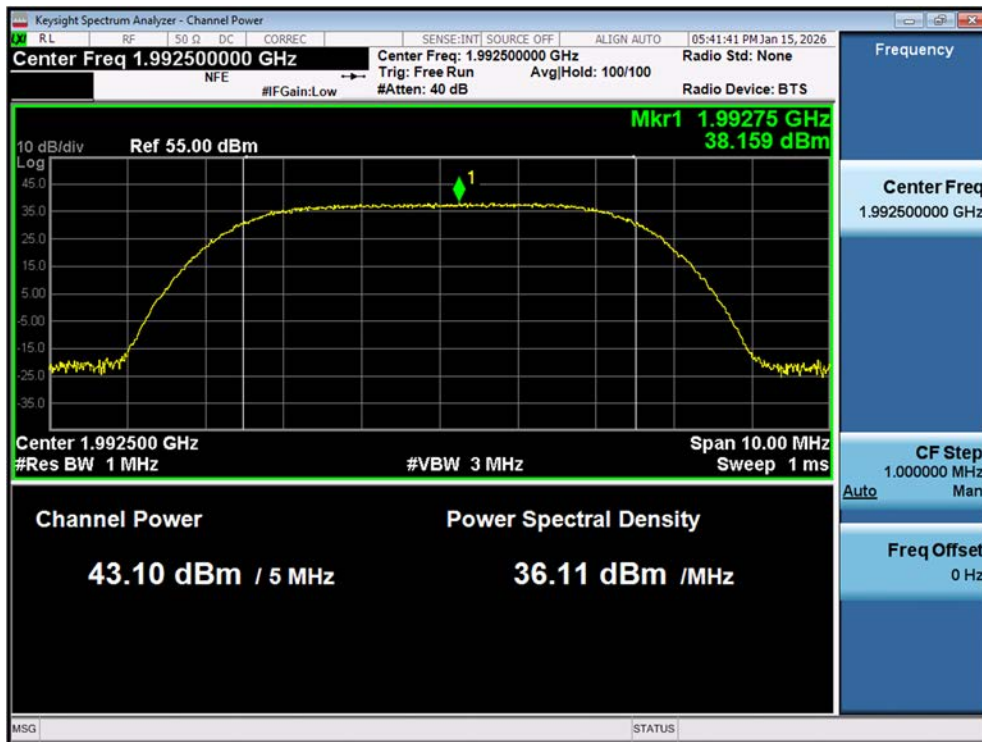
Contiguous



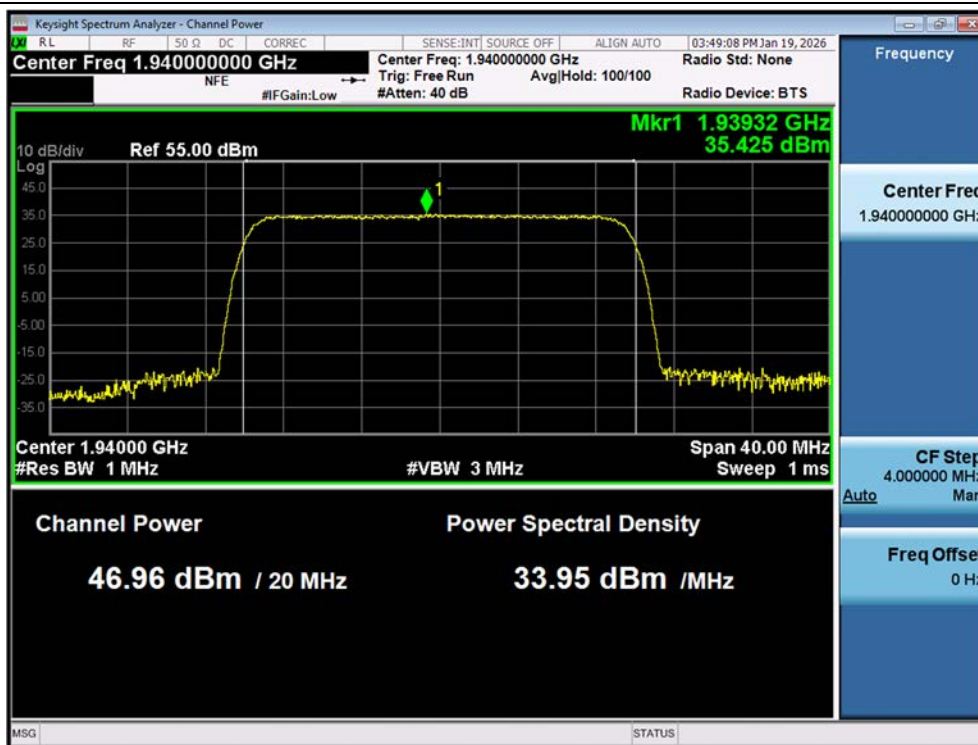
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Non-Contiguous



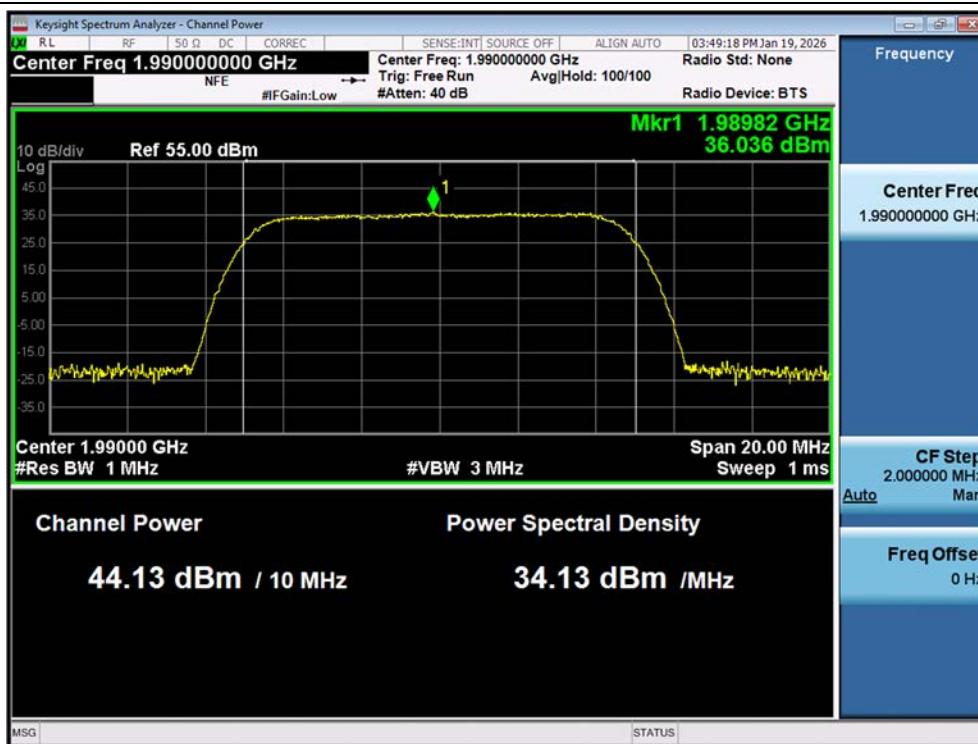
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + B25 LTE 5 MHz 1 Carrier [2 Carrier] / 16QAM / High / Non-Contiguous



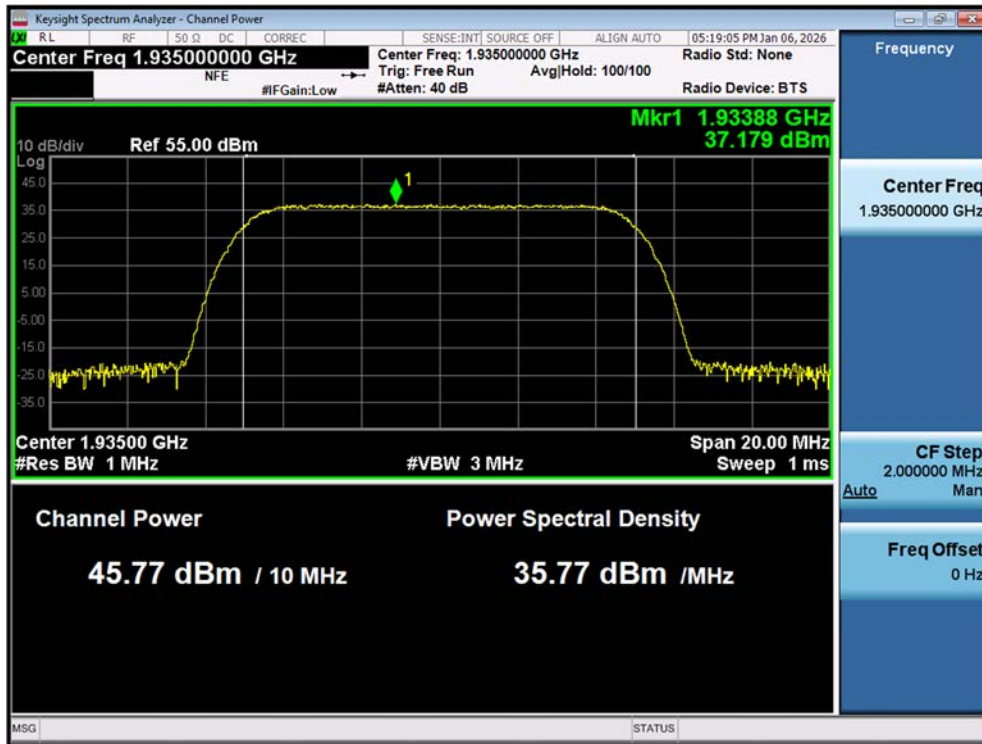
Antenna 3 / (4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Non-Contiguous



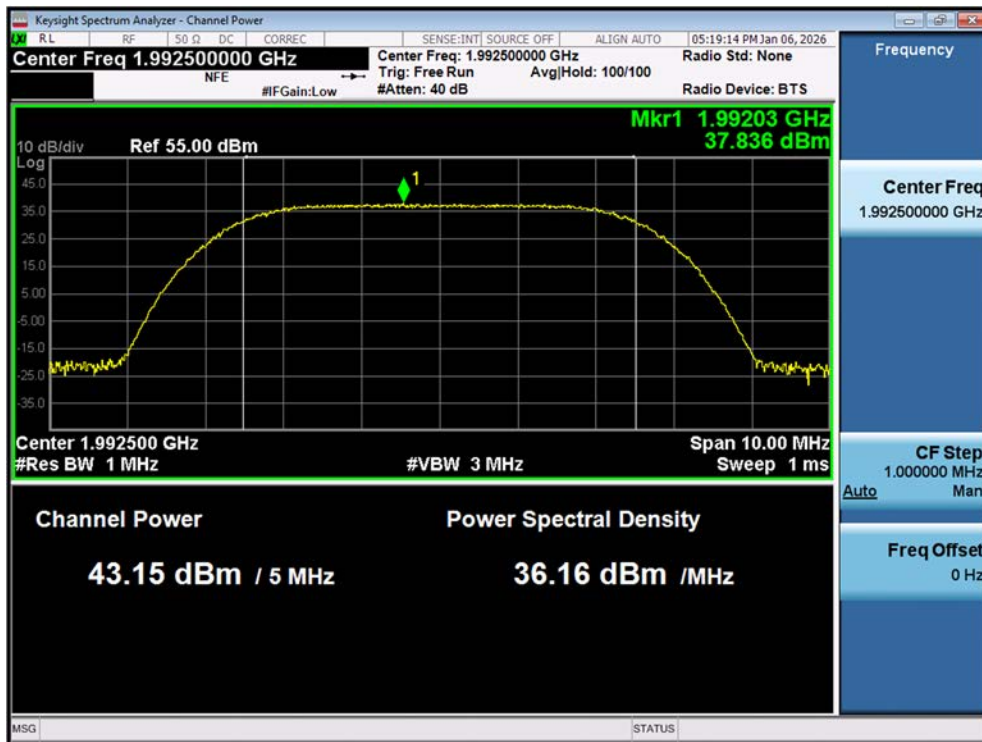
Antenna 3 / (4 Port) B25 DSS 20 MHz 1 Carrier + B25 LTE 10 MHz 1 Carrier [2 Carrier] / 16QAM / High / Non-Contiguous



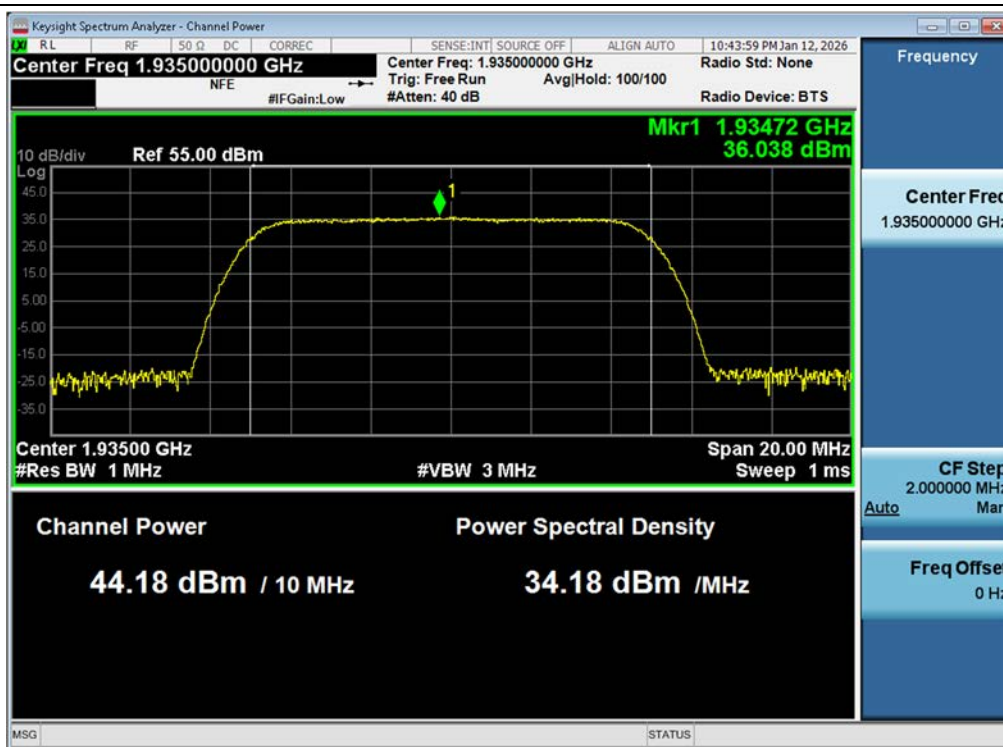
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / Low / Non-Contiguous



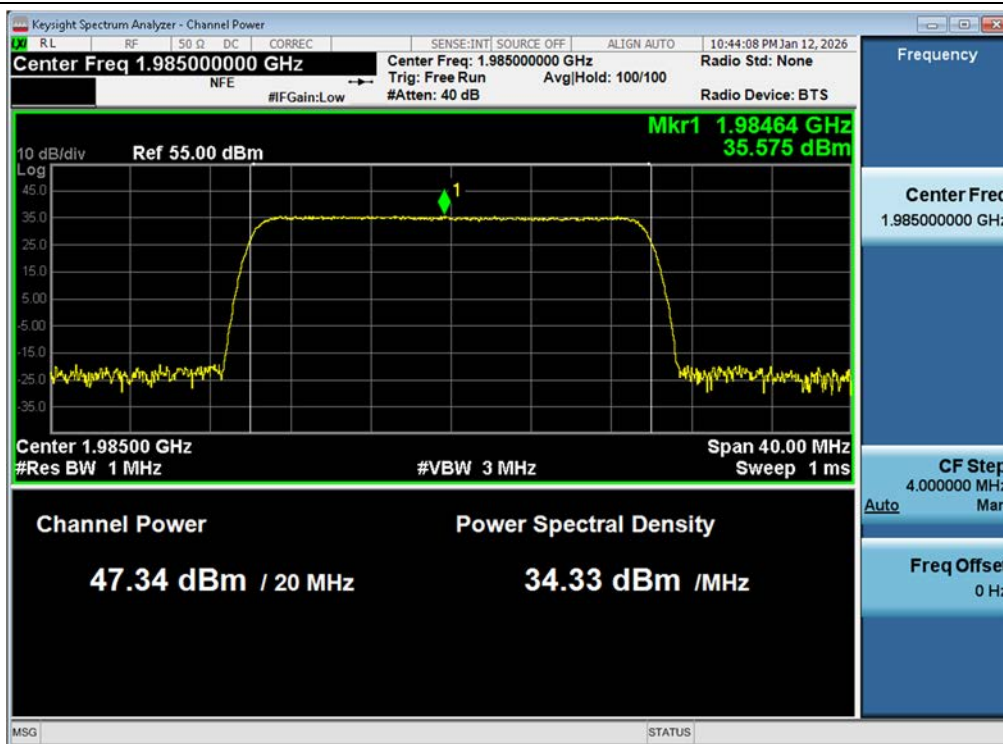
Antenna 3 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / High / Non-Contiguous



Antenna 2 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Non-Contiguous



Antenna 2 / (4 Port) B25 DSS 10 MHz 1 Carrier + n25 5G NR 20 MHz 1 Carrier [2 Carrier] / 16QAM / High / Non-Contiguous



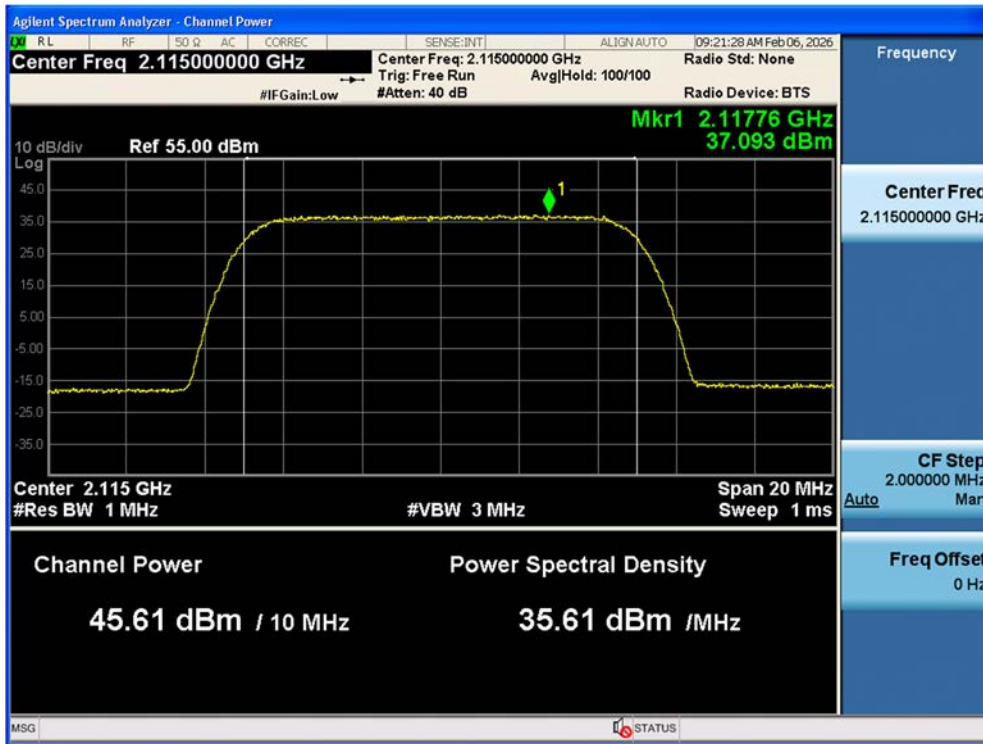
Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + B66 LTE 5 MHz 1 Carrier [2 Carrier] / 16QAM / Low / Non-Contiguous



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



Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / Low / Non-Contiguous



Antenna 2 / (4 Port) B66 DSS 10 MHz 1 Carrier + n66 5G NR 5 MHz 1 Carrier [2 Carrier] / 64QAM / High / Non-Contiguous

