



Sverige



Accred. no. 10363
Testing
ISO/IEC 17025

Report On

FCC Testing of the Ericsson KRD 901 141/2 NR AIR 6449 B41 (2496-2690 MHz) Base Station in accordance with FCC CFR 47 Part 2 and FCC CFR 47 Part 27

COMMERCIAL-IN-CONFIDENCE

FCC: TA8AKRD901141

PREPARED BY

APPROVED BY

DATED

A handwritten signature in black ink, appearing to read 'Maggie Whiting'.

Maggie Whiting
Key Account Manager

A handwritten signature in black ink, appearing to read 'Steve Scarfe'.

Steve Scarfe
Authorised Signatory

26 May 2020

Document 75948804 Report 03 Issue 1

May 2020



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SECTION 1

REPORT INFORMATION



1.1 REPORT DETAILS

Manufacturer	Ericsson
Address	Torshamnsgatan 23 Kista SE-16480 Stockholm Sweden
Product Name & Product Number	AIR 6449 B41 & KRD 901 141/2
Non-Tested Variants	KRD 901 141/21 KRD 901 141/1 KRD 901 141/11
Serial Number(s)	C82A592336 and C82A592337
Software Version	CXP 2030039/1_R31A107b5
Hardware Version	R1D
Test Specification/Issue/Date	FCC CFR 47 Part 2:2019 FCC CFR 47 Part 27:2019
Test Plan	2/12022-HRB 105 601-237 rev.A
Start of Test	15 April 2020
Finish of Test	23 May 2020
Name of Engineer(s)	Raj Kumar & Ashok Kumar
Related Document(s)	KDB 971168 D01 v02r02 KDB 662911 D01 v02r01

ENGINEERING STATEMENT

The measurements shown in this report were made in accordance with the procedures described on test pages. All reported testing was carried out on a sample equipment to demonstrate compliance with FCC CFR 47 Part 27 The sample tested was found to comply with the requirements defined in the applied rules.

Test Engineer(s);


Raj Kumar & Ashok Kumar





1.2 BRIEF SUMMARY OF RESULTS

A brief summary of results for each configuration, in accordance with FCC CFR 47 Part 2, FCC CFR 47 Part 27 is shown below.

Section	Specification Clause		Test Description	Result
	FCC CFR 47 Part 2	FCC CFR 47 Part 27		
2.1	2.1046	27.50	Maximum Peak Output Power and Peak to Average Ratio - Conducted	Pass
2.2	2.1049	27.53	Occupied Bandwidth	Pass
2.3	2.1051	27.53 (h)	Band Edge	Pass
2.4	2.1051	27.53 (h)	Transmitter Spurious Emissions	Pass
2.5	2.1055	27.54	Frequency Stability	Pass
-	2.1053	27.53	Radiated Spurious Emissions	Pass*

* - Testing for Radiated Spurious Emissions are recorded in TUV SUD Test Report reference 75948804 Report 01.

Measurement Uncertainty Decision Statement

Determination of conformity with the specification limits is based on the results of the compliance measurement and does not take into account measurement instrumentation uncertainty as defined in ANSI C63.26:2015 Clause 1.3.



1.3 CONFIGURATION DESCRIPTION

Configuration	RAT	No. Of carriers	Carrier Bandwidth	Carrier Frequency Configuration (MHz)		
				Bottom	Middle	Top
1	LTE	1	10 MHz	2501	2593	2685
			20 MHz	2506	2593	2680
2	LTE	2	10 MHz	-	2501 + 2685	-
			20 MHz	-	2506 + 2680	-
3	LTE	3	10 MHz	-	2588 + 2598 + 2608	-
			20 MHz	-	2578 + 2608 + 2628	-
4	NR	1	20 MHz- SCS 30kHz	2506	2593	2680
			40 MHz- SCS 30kHz	2516	2593	2670
			60 MHz- SCS 30kHz	2526	2593	2660
			80 MHz- SCS 30kHz	2536	2593	2650
			100 MHz- SCS 30kHz	2546	2593	2640
5	NR	2	20 MHz- SCS 30kHz	2506 + 2526	2506 + 2680	2260 + 2680
			40 MHz- SCS 30kHz	2516 + 2556	2516 + 2670	2630 + 2670
			60 MHz- SCS 30kHz	2526 + 2586	2526 + 2660	2600 + 2660
			80 MHz- SCS 30kHz	2536 + 2616	2536 + 2650	2570 + 2650
6	NR	2	100 MHz – SCS 30kHz + 80 MHz - SCS 30kHz	-	2546 + 2636	-
7	LTE + NR	2	LTE 10 MHz + NR 20 MHz – SCS 30kHz	-	2501 + 2680	-
8	LTE + NR	4	LTE 10 MHz + 10 MHz + 10 MHz+ NR 20 MHz – SCS 30kHz	-	2501 + 2511 + 2521 + 2680	-



1.4 DECLARATION OF BUILD STATUS

Equipment Description

Technical Description: <i>(Please provide a brief description of the intended use of the equipment)</i>	Antenna Integrated Radio Unit
Manufacturer:	Ericsson AB
Model:	AIR 6449 B41
Part Number:	KRD 901 141/2* (with un-security software and RDNB board for testing purpose) KRD 901 141/21 (with security software and RDNB board for testing purpose) KRD 901 141/1 (with un-security software and antenna) KRD 901 141/11** (with security software and antenna) Note*: Tests have been performed on this unit. Note**: This will be the marketed, sold unit.
Hardware Version:	R1D
Software Version:	CXP 2030039/1_R31A107b5
FCC ID (if applicable)	TA8AKRD901141
IC ID (if applicable)	Not applicable

Intentional Radiators

Technology	NR	LTE
Frequency Band (MHz)	2496 to 2690 MHz	2496 to 2690 MHz
Conducted Declared Output Power (dBm)	36 dBm/MHz, max 55 dBm	36 dBm/MHz, max 55 dBm
Antenna Gain (dBi)	23,8 dBi	23,8 dBi
Supported Bandwidth(s) (MHz)	20, 40, 60, 80, 100 MHz, SCS: 30 kHz	10, 20 MHz
Modulation Scheme(s)	QPSK, 16QAM, 64QAM, 256QAM	QPSK, 16QAM, 64QAM, 256QAM
ITU Emission Designator	18M3W7D 37M9W7D 57M9W7D 77M4W7D 97M3W7D 176MW7D	8M95W7D 17M9W7D 57M7W7D
Bottom Frequency (MHz)	2496 MHz	2496 MHz
Middle Frequency (MHz)	2593,02 MHz	2593 MHz
Top Frequency (MHz)	2690 MHz	2690 MHz

Un-intentional Radiators

Highest frequency generated or used in the device or on which the device operates or tunes	CPRI 10,3 Gbit/s
Lowest frequency generated or used in the device or on which the device operates or tunes	-
Class A Digital Device (Use in commercial, industrial or business environment) <input type="checkbox"/>	
Class B Digital Device (Use in residential environment only) <input checked="" type="checkbox"/>	



DC Power Source

Nominal voltage:	-54,5	V
Extreme upper voltage:	-58,5	V
Extreme lower voltage:	-36	V
Max current:	50	A

Temperature

Minimum temperature:	-40	°C
Maximum temperature:	+55	°C

Antenna Characteristics

Antenna connector <input type="checkbox"/>		State impedance		Ohm	
Temporary Antenna connector <input checked="" type="checkbox"/>		State impedance	50	Ohm	
Integral Antenna <input checked="" type="checkbox"/>	Type:	AAS (Advanced Antenna system)	Gain	23,8	dBi
External Antenna <input type="checkbox"/>	Type:		Gain		dBi
For external Antenna only: Standard Antenna Jack <input type="checkbox"/> If yes, describe how user is prohibited from changing Antenna (if not professional installed): Equipment is only ever professionally installed <input type="checkbox"/> Non-standard Antenna Jack <input type="checkbox"/>					

Ancillaries (if applicable)

Manufacturer:		Part Number:	
Model:		Country of Origin:	

I hereby declare that the information supplied is correct and complete.

Linda Grell

Name: Linda Grell

Position held: Regulatory Engineer

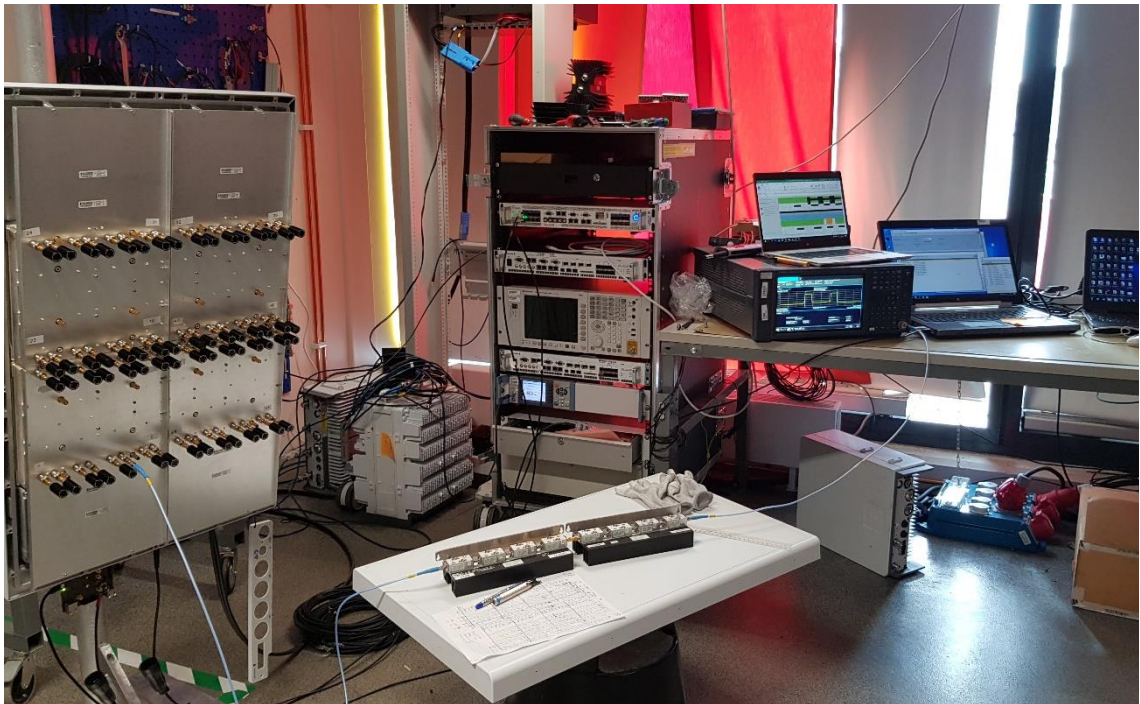
Date: 20 May 2020

1.5 PRODUCT INFORMATION

1.5.1 Technical Description

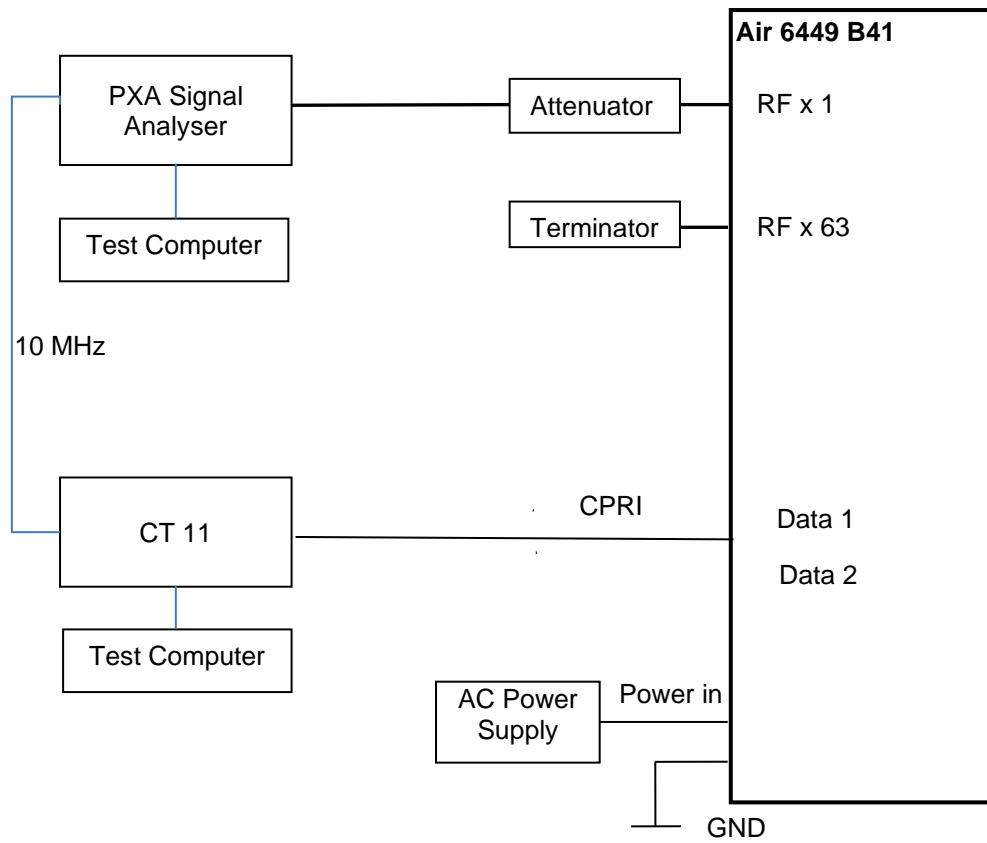
The Equipment Under Test (EUT) AIR 6449 B41 is an Ericsson AB Antenna Integrated Radio Unit working in the public mobile service 2496-2690 MHz band which provides communication connections to 2496-2690 MHz network. The AIR 6449 B41 operates from a -54.5V DC supply.

The Equipment Under Test (EUT) is shown in the photograph below. A full technical description can be found in the Manufacturer's documentation.



Equipment Under Test

1.6 TEST SETUP





1.7 TEST CONDITIONS

For all tests the EUT was set up in accordance with the relevant test standard and to represent typical operating conditions. Tests were applied with the EUT situated as described in the Test Method for each Test.

The EUT was powered from a 54.5V DC supply.

FCC Measurement Facility Registration Number
563983 Delta Test Laboratory, Vasteras

Under our group Swedac Accreditation, TÜV SÜD Sverige conducted the following tests at Kista, Sweden

Test Name	Name of Engineer(s)
Maximum Peak Output Power and Peak to Average Ratio - Conducted	Raj Kumar & Ashok Kumar Tomas Johansson
Occupied Bandwidth	Raj Kumar & Ashok Kumar Tomas Johansson
Band Edge	Raj Kumar & Ashok Kumar Tomas Johansson
Transmitter Spurious Emissions	Raj Kumar & Ashok Kumar Tomas Johansson
Frequency Stability	Raj Kumar & Ashok Kumar Tomas Johansson
Radiated Emissions	Covered by a separate Test Report 75948804 Report 01

1.8 DEVIATION FROM THE STANDARD

No deviations from the applicable test standards or test plan were made during testing.

1.9 MODIFICATION RECORD

No modifications were made to the EUT during testing.

1.10 ADDITIONAL INFORMATION

The AIR 6449 B41 was equipped with an RDNB-board to enable testing on each RF path/antenna port. The RDNB-board is replacing the AAS Antenna during the testing and only used in testing purpose. The RDNB-board has 64 identical ports, to expedite the testing that was required on performing all tests on all ports the Carrier Output Power was initially performed on all ports and then the ones with the highest output power were selected to perform the other tests for Bottom, Middle and Top channel in each bandwidth listed. The rationale for this can be seen in the Ericsson test plan AIR 6449 B41 FCC Test Plan 2/12022-HRB 105 601-237 rev.A.

Ericsson have provided the following details about the variants of the AIR 6449 B41.

KRD 901 141/2* (with un-security software and RDNB board for testing purpose)

KRD 901 141/21 (with security software and RDNB board for testing purpose)

KRD 901 141/1 (with un-security software and antenna)

KRD 901 141/11** (with security software and antenna)

Note*: Tests have been performed on this unit.

Note**: This will be the marketed, sold unit.



SECTION 2

TEST DETAILS



2.1 MAXIMUM PEAK OUTPUT POWER AND PEAK TO AVERAGE RATIO - CONDUCTED

2.1.1 Specification Reference

FCC CFR 47 Part 27, Clause 27.50
FCC CFR 47 Part 2, Clause 2.1046

2.1.2 Date of Test and Modification State

15, 17, 19, 24 April, 06 and 12 May 2020- Modification State 0

2.1.3 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.1.4 Environmental Conditions

Ambient Temperature	21.2 - 24.1°C
Relative Humidity	15.0 - 30.0%

2.1.5 Test Method

All measurements were made in accordance with FCC KDB 971168 D01, clause 5.2.1 and summed in accordance with FCC KDB 662911 D01.

2.1.6 Test Results



Configuration 1

Maximum Output Power 36.0 dBm

Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position B		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
0	64QAM	10.0 MHz	8.84	36.87	27.90
1	64QAM	10.0 MHz	9.23	36.88	27.94
2	64QAM	10.0 MHz	8.87	36.80	28.09
3	64QAM	10.0 MHz	8.83	36.99	28.01
4	64QAM	10.0 MHz	9.10	36.90	28.09
5	64QAM	10.0 MHz	9.57	37.01	27.98
6	64QAM	10.0 MHz	9.08	36.79	27.97
7	64QAM	10.0 MHz	8.65	36.97	27.85
8	64QAM	10.0 MHz	9.52	36.79	27.78
9	64QAM	10.0 MHz	9.10	36.83	27.81
10	64QAM	10.0 MHz	8.79	36.91	27.95
11	64QAM	10.0 MHz	9.31	36.82	27.90
12	64QAM	10.0 MHz	9.08	36.90	28.04
13	64QAM	10.0 MHz	8.82	36.83	27.87
14	64QAM	10.0 MHz	8.67	36.82	27.95
15	64QAM	10.0 MHz	9.13	36.83	27.90
16	64QAM	10.0 MHz	9.39	36.89	28.09
17	64QAM	10.0 MHz	9.50	37.02	27.90
18	64QAM	10.0 MHz	9.03	36.74	27.94
19	64QAM	10.0 MHz	8.86	36.84	27.87
20	64QAM	10.0 MHz	9.14	36.90	28.06
21	64QAM	10.0 MHz	8.78	37.09	27.95
22	64QAM	10.0 MHz	8.73	36.81	27.79
23	64QAM	10.0 MHz	9.06	36.79	27.76
24	64QAM	10.0 MHz	8.96	36.84	27.69
25	64QAM	10.0 MHz	9.40	36.70	27.72
26	64QAM	10.0 MHz	9.07	36.74	27.80
27	64QAM	10.0 MHz	9.00	36.79	27.92
28	64QAM	10.0 MHz	8.94	37.06	28.02
29	64QAM	10.0 MHz	9.30	36.92	27.86
30	64QAM	10.0 MHz	8.79	36.96	28.08
31	64QAM	10.0 MHz	8.93	37.00	27.95
32	64QAM	10.0 MHz	9.54	36.87	27.96
33	64QAM	10.0 MHz	8.89	36.83	27.91
34	64QAM	10.0 MHz	9.09	36.94	27.91
35	64QAM	10.0 MHz	8.86	36.96	27.96
36	64QAM	10.0 MHz	9.45	37.04	28.05
37	64QAM	10.0 MHz	9.25	37.01	27.85
38	64QAM	10.0 MHz	9.00	37.04	27.88
39	64QAM	10.0 MHz	8.94	36.95	27.88
40	64QAM	10.0 MHz	8.54	36.74	27.84
41	64QAM	10.0 MHz	9.10	37.00	27.74
42	64QAM	10.0 MHz	8.72	36.80	27.71
43	64QAM	10.0 MHz	8.73	36.81	27.87
44	64QAM	10.0 MHz	9.09	36.84	27.78
45	64QAM	10.0 MHz	8.79	36.82	27.88
46	64QAM	10.0 MHz	9.02	36.91	27.91
47	64QAM	10.0 MHz	9.17	36.98	27.82
48	64QAM	10.0 MHz	9.00	36.72	27.92
49	64QAM	10.0 MHz	8.83	36.87	27.89

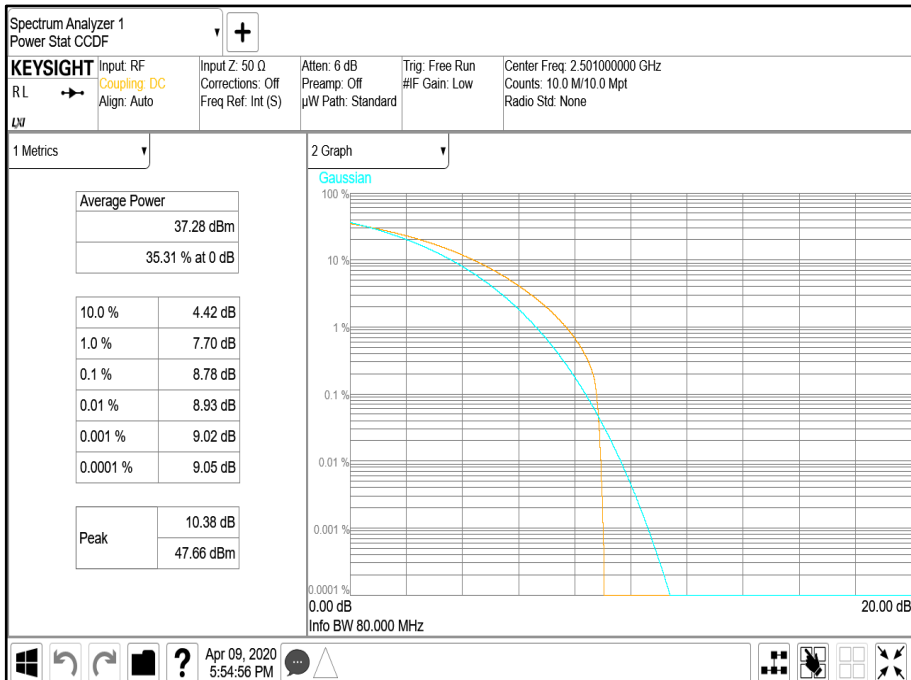


Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position B		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
50	64QAM	10.0 MHz	8.94	36.89	27.80
51	64QAM	10.0 MHz	9.17	36.95	28.07
52	64QAM	10.0 MHz	9.24	37.07	28.04
53	64QAM	10.0 MHz	8.81	36.99	28.03
54	64QAM	10.0 MHz	9.46	36.96	27.82
55	64QAM	10.0 MHz	8.86	36.92	27.84
56	64QAM	10.0 MHz	9.10	36.74	27.77
57	64QAM	10.0 MHz	9.11	36.74	27.79
58	64QAM	10.0 MHz	9.25	36.83	27.84
59	64QAM	10.0 MHz	8.90	36.92	28.02
60	64QAM	10.0 MHz	9.48	36.55	27.82
61	64QAM	10.0 MHz	8.79	36.87	27.80
62	64QAM	10.0 MHz	8.83	36.87	27.88
63	64QAM	10.0 MHz	9.03	36.78	27.87
Total			-	54.94	45.96

Remarks

All transmitter antenna port performance is presented. The plot results are presented only for the port with the highest output power. Plot data performance for all transmitter ports are on file and available on request.

Antenna Port 21 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position B





Configuration 1

Maximum Output Power 36.0 dBm

Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
0	64QAM	10.0 MHz	9.13	36.48	27.36
1	64QAM	10.0 MHz	9.11	36.31	27.18
2	64QAM	10.0 MHz	9.27	36.53	27.34
3	64QAM	10.0 MHz	8.79	36.32	27.34
4	64QAM	10.0 MHz	8.86	36.23	27.23
5	64QAM	10.0 MHz	8.88	36.49	27.33
6	64QAM	10.0 MHz	9.09	36.41	27.47
7	64QAM	10.0 MHz	8.97	36.37	27.22
8	64QAM	10.0 MHz	8.92	36.48	27.38
9	64QAM	10.0 MHz	8.96	36.35	27.30
10	64QAM	10.0 MHz	9.47	36.37	27.25
11	64QAM	10.0 MHz	9.23	36.31	27.26
12	64QAM	10.0 MHz	9.09	36.60	27.47
13	64QAM	10.0 MHz	9.27	36.43	27.19
14	64QAM	10.0 MHz	9.16	36.53	27.49
15	64QAM	10.0 MHz	8.67	36.33	27.35
16	64QAM	10.0 MHz	9.36	36.50	27.56
17	64QAM	10.0 MHz	8.61	36.37	27.20
18	64QAM	10.0 MHz	8.83	36.52	27.41
19	64QAM	10.0 MHz	9.19	36.33	27.22
20	64QAM	10.0 MHz	8.88	36.28	27.27
21	64QAM	10.0 MHz	8.85	36.39	27.41
22	64QAM	10.0 MHz	8.75	36.38	27.38
23	64QAM	10.0 MHz	8.93	36.12	27.04
24	64QAM	10.0 MHz	8.95	36.51	27.40
25	64QAM	10.0 MHz	8.78	36.32	27.31
26	64QAM	10.0 MHz	9.21	36.17	27.07
27	64QAM	10.0 MHz	8.94	36.35	27.19
28	64QAM	10.0 MHz	8.60	36.51	27.57
29	64QAM	10.0 MHz	9.04	36.33	27.23
30	64QAM	10.0 MHz	9.30	36.53	27.38
31	64QAM	10.0 MHz	8.82	36.26	27.13
32	64QAM	10.0 MHz	9.11	36.59	27.47
33	64QAM	10.0 MHz	8.87	36.37	27.25
34	64QAM	10.0 MHz	9.10	36.67	27.52
35	64QAM	10.0 MHz	8.80	36.39	27.21
36	64QAM	10.0 MHz	8.86	36.37	27.20
37	64QAM	10.0 MHz	8.99	36.41	27.33
38	64QAM	10.0 MHz	9.01	36.44	27.26
39	64QAM	10.0 MHz	9.01	36.22	27.14
40	64QAM	10.0 MHz	8.59	36.43	27.36
41	64QAM	10.0 MHz	8.96	36.40	27.28
42	64QAM	10.0 MHz	8.84	36.20	27.19
43	64QAM	10.0 MHz	8.96	36.42	27.31
44	64QAM	10.0 MHz	9.15	36.51	27.38
45	64QAM	10.0 MHz	9.07	36.35	27.35
46	64QAM	10.0 MHz	9.08	36.58	27.33
47	64QAM	10.0 MHz	9.05	36.31	27.17
48	64QAM	10.0 MHz	8.92	36.50	27.46
49	64QAM	10.0 MHz	9.06	36.41	27.21

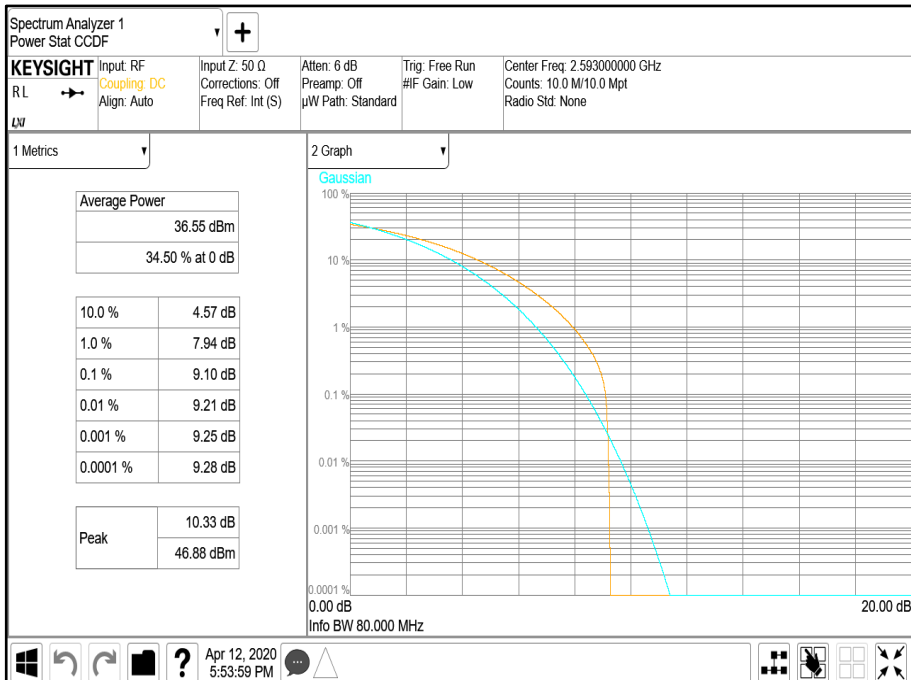


Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
50	64QAM	10.0 MHz	8.86	36.36	27.48
51	64QAM	10.0 MHz	9.31	36.34	27.23
52	64QAM	10.0 MHz	8.92	36.26	27.22
53	64QAM	10.0 MHz	8.84	36.35	27.34
54	64QAM	10.0 MHz	8.95	36.49	27.33
55	64QAM	10.0 MHz	8.90	36.13	27.23
56	64QAM	10.0 MHz	8.82	36.50	27.29
57	64QAM	10.0 MHz	9.42	36.34	27.28
58	64QAM	10.0 MHz	8.78	36.35	27.20
59	64QAM	10.0 MHz	9.46	36.39	27.29
60	64QAM	10.0 MHz	9.17	36.21	27.17
61	64QAM	10.0 MHz	8.86	36.25	27.21
62	64QAM	10.0 MHz	8.93	36.51	27.39
63	64QAM	10.0 MHz	9.11	36.33	27.39
Total			-	54.45	45.37

Remarks

All transmitter antenna port performance is presented. The plot results are presented only for the port with the highest output power. Plot data performance for all transmitter ports are on file and available on request.

Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M





Configuration 1

Maximum Output Power 36.0 dBm

Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position T		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
0	64QAM	10.0 MHz	8.82	36.07	27.28
1	64QAM	10.0 MHz	9.28	35.97	26.98
2	64QAM	10.0 MHz	9.29	35.92	27.16
3	64QAM	10.0 MHz	8.54	36.18	27.20
4	64QAM	10.0 MHz	9.24	36.06	26.96
5	64QAM	10.0 MHz	9.12	36.09	27.05
6	64QAM	10.0 MHz	9.10	36.04	27.08
7	64QAM	10.0 MHz	9.02	36.03	27.08
8	64QAM	10.0 MHz	8.42	36.09	27.19
9	64QAM	10.0 MHz	9.11	36.24	27.06
10	64QAM	10.0 MHz	9.29	36.11	27.27
11	64QAM	10.0 MHz	9.04	36.06	27.14
12	64QAM	10.0 MHz	9.20	36.28	27.22
13	64QAM	10.0 MHz	8.90	36.13	27.08
14	64QAM	10.0 MHz	9.03	35.91	26.97
15	64QAM	10.0 MHz	8.71	36.09	27.06
16	64QAM	10.0 MHz	8.96	36.19	27.24
17	64QAM	10.0 MHz	9.09	36.14	27.22
18	64QAM	10.0 MHz	9.79	36.19	27.19
19	64QAM	10.0 MHz	9.01	36.09	27.18
20	64QAM	10.0 MHz	9.24	36.05	27.08
21	64QAM	10.0 MHz	9.27	36.15	27.21
22	64QAM	10.0 MHz	8.90	35.89	26.93
23	64QAM	10.0 MHz	9.16	35.87	27.07
24	64QAM	10.0 MHz	8.99	35.98	27.19
25	64QAM	10.0 MHz	8.98	35.95	26.99
26	64QAM	10.0 MHz	8.89	35.99	27.11
27	64QAM	10.0 MHz	9.04	36.12	27.09
28	64QAM	10.0 MHz	9.23	36.12	27.14
29	64QAM	10.0 MHz	9.25	36.15	27.18
30	64QAM	10.0 MHz	8.91	36.11	27.19
31	64QAM	10.0 MHz	9.85	36.01	27.05
32	64QAM	10.0 MHz	9.27	35.98	27.08
33	64QAM	10.0 MHz	9.11	36.05	27.11
34	64QAM	10.0 MHz	9.16	36.11	27.10
35	64QAM	10.0 MHz	8.90	36.11	27.19
36	64QAM	10.0 MHz	9.44	35.97	26.93
37	64QAM	10.0 MHz	8.78	36.07	27.03
38	64QAM	10.0 MHz	8.88	35.85	27.03
39	64QAM	10.0 MHz	9.18	36.03	27.03
40	64QAM	10.0 MHz	9.05	36.04	27.12
41	64QAM	10.0 MHz	9.18	36.00	27.08
42	64QAM	10.0 MHz	8.97	36.10	27.08
43	64QAM	10.0 MHz	8.88	36.05	27.17
44	64QAM	10.0 MHz	9.15	36.13	27.17
45	64QAM	10.0 MHz	9.02	36.06	27.12
46	64QAM	10.0 MHz	8.88	36.09	27.06
47	64QAM	10.0 MHz	9.22	36.10	27.02
48	64QAM	10.0 MHz	9.31	35.98	26.97
49	64QAM	10.0 MHz	9.22	36.10	27.16

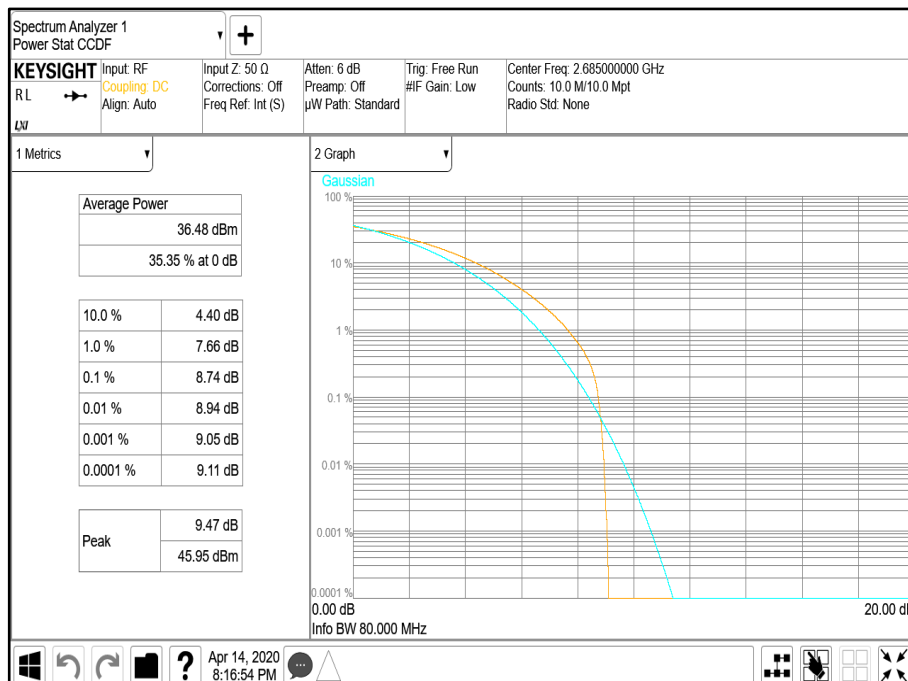


Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position T		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
50	64QAM	10.0 MHz	9.11	35.96	27
51	64QAM	10.0 MHz	8.94	36.20	27.17
52	64QAM	10.0 MHz	8.74	35.82	26.88
53	64QAM	10.0 MHz	8.73	36.11	27.27
54	64QAM	10.0 MHz	9.25	35.89	26.99
55	64QAM	10.0 MHz	9.18	35.92	26.89
56	64QAM	10.0 MHz	9.44	36.08	27.01
57	64QAM	10.0 MHz	9.02	35.97	27.12
58	64QAM	10.0 MHz	8.22	36.08	27.20
59	64QAM	10.0 MHz	8.74	36.34	27.24
60	64QAM	10.0 MHz	9.30	35.81	26.78
61	64QAM	10.0 MHz	8.92	36.08	27.06
62	64QAM	10.0 MHz	9.12	36.09	26.95
63	64QAM	10.0 MHz	9.06	35.97	26.99
Total			-	54.12	45.15

Remarks

All transmitter antenna port performance is presented. The plot results are presented only for the port with the highest output power. Plot data performance for all transmitter ports are on file and available on request.

Antenna Port 59 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position T





Configuration 1

Maximum Output Power 36.0 dBm

Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
0	64QAM	20.0 MHz	8.57	36.37	24.50
1	64QAM	20.0 MHz	9.19	36.35	24.24
2	64QAM	20.0 MHz	9.26	36.49	24.63
3	64QAM	20.0 MHz	8.93	36.39	24.53
4	64QAM	20.0 MHz	8.90	36.23	24.29
5	64QAM	20.0 MHz	8.88	36.38	24.34
6	64QAM	20.0 MHz	9.22	36.52	24.44
7	64QAM	20.0 MHz	9.14	36.21	24.39
8	64QAM	20.0 MHz	9.08	36.40	24.22
9	64QAM	20.0 MHz	8.97	36.29	24.42
10	64QAM	20.0 MHz	9.21	36.26	24.17
11	64QAM	20.0 MHz	8.99	36.33	24.26
12	64QAM	20.0 MHz	9.24	36.47	24.48
13	64QAM	20.0 MHz	9.11	36.31	24.27
14	64QAM	20.0 MHz	8.95	36.54	24.41
15	64QAM	20.0 MHz	9.29	36.18	24.24
16	64QAM	20.0 MHz	9.06	36.66	24.54
17	64QAM	20.0 MHz	9.27	36.24	24.41
18	64QAM	20.0 MHz	9.05	36.56	24.55
19	64QAM	20.0 MHz	9.30	36.42	24.38
20	64QAM	20.0 MHz	9.46	36.45	24.38
21	64QAM	20.0 MHz	9.27	36.41	24.40
22	64QAM	20.0 MHz	9.26	36.20	24.43
23	64QAM	20.0 MHz	9.21	36.10	24.05
24	64QAM	20.0 MHz	9.19	36.54	24.47
25	64QAM	20.0 MHz	9.73	36.22	24.21
26	64QAM	20.0 MHz	9.02	36.13	24.15
27	64QAM	20.0 MHz	8.81	36.50	24.60
28	64QAM	20.0 MHz	8.77	36.54	24.45
29	64QAM	20.0 MHz	8.70	36.30	24.21
30	64QAM	20.0 MHz	9.12	36.54	24.44
31	64QAM	20.0 MHz	8.69	36.32	24.30
32	64QAM	20.0 MHz	9.23	36.62	24.42
33	64QAM	20.0 MHz	8.79	36.32	24.29
34	64QAM	20.0 MHz	9.32	36.82	24.70
35	64QAM	20.0 MHz	9.18	36.21	24.29
36	64QAM	20.0 MHz	9.09	36.43	24.33
37	64QAM	20.0 MHz	8.75	36.23	24.35
38	64QAM	20.0 MHz	9.19	36.41	24.39
39	64QAM	20.0 MHz	8.64	36.22	24.21
40	64QAM	20.0 MHz	9.31	36.42	24.39
41	64QAM	20.0 MHz	8.82	36.31	24.32
42	64QAM	20.0 MHz	9.07	36.15	24.27
43	64QAM	20.0 MHz	9.55	36.37	24.44
44	64QAM	20.0 MHz	9.15	36.63	24.51
45	64QAM	20.0 MHz	9.28	36.37	24.30
46	64QAM	20.0 MHz	8.96	36.50	24.53
47	64QAM	20.0 MHz	9.09	36.43	24.30
48	64QAM	20.0 MHz	9.06	36.32	24.48
49	64QAM	20.0 MHz	8.95	36.29	24.32

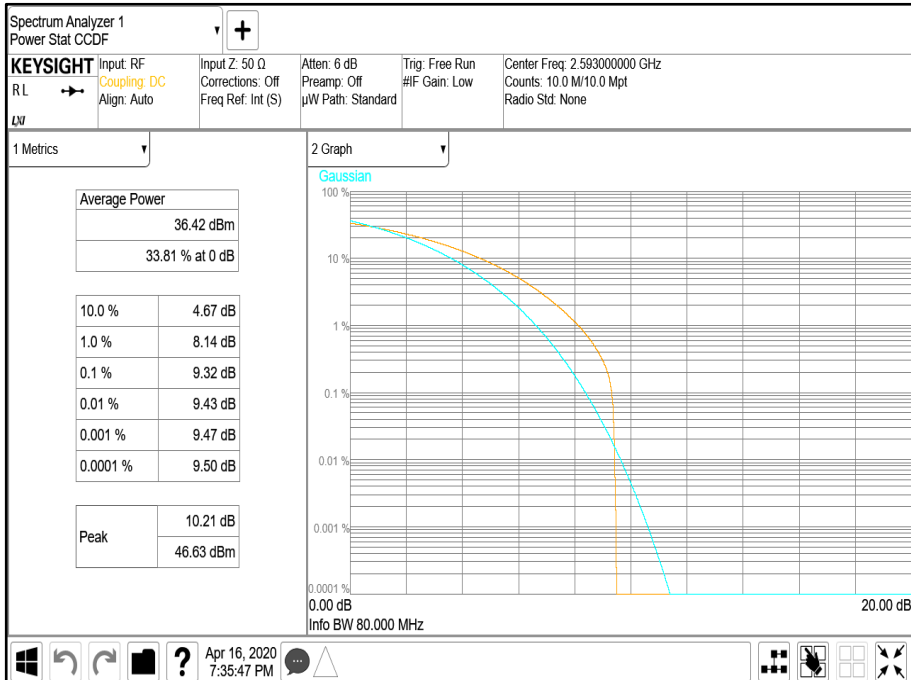


Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
50	64QAM	20.0 MHz	9.07	36.44	24.40
51	64QAM	20.0 MHz	9.12	36.42	24.24
52	64QAM	20.0 MHz	8.75	36.25	24.10
53	64QAM	20.0 MHz	9.62	36.29	24.33
54	64QAM	20.0 MHz	8.91	36.34	24.35
55	64QAM	20.0 MHz	9.02	36.10	24.12
56	64QAM	20.0 MHz	9.34	36.43	24.38
57	64QAM	20.0 MHz	8.86	36.22	24.25
58	64QAM	20.0 MHz	9.48	36.45	24.37
59	64QAM	20.0 MHz	9.55	36.40	24.37
60	64QAM	20.0 MHz	8.94	36.13	24.22
61	64QAM	20.0 MHz	9.08	36.23	24.16
62	64QAM	20.0 MHz	9.67	36.48	24.47
63	64QAM	20.0 MHz	9.59	36.23	24.21
Total			-	54.43	42.42

Remarks

All transmitter antenna port performance is presented. The plot results are presented only for the port with the highest output power. Plot data performance for all transmitter ports are on file and available on request.

Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M



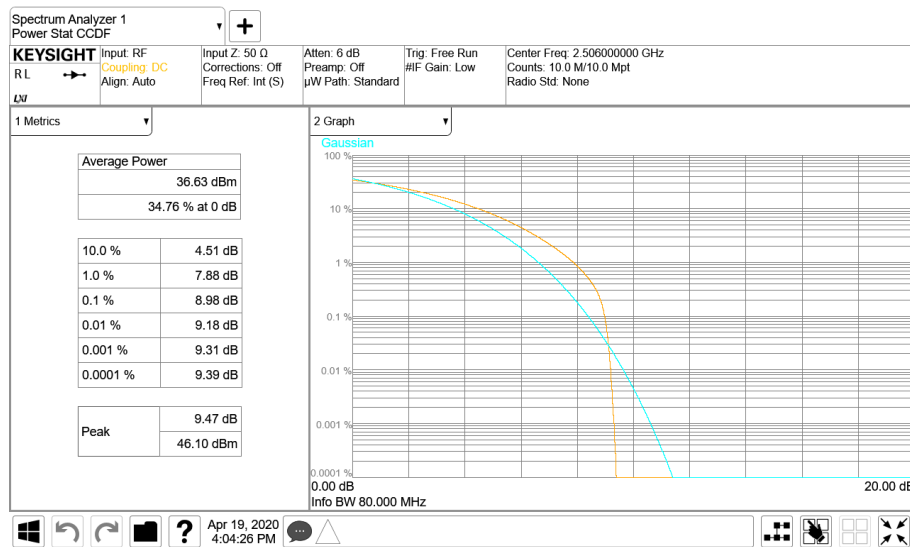


Configuration 1

Maximum Output Power 36.0 dBm

Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position B		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
34	64QAM	20.0 MHz	9.18	36.55	24.65
Total			-	6.61	-5.23

Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B



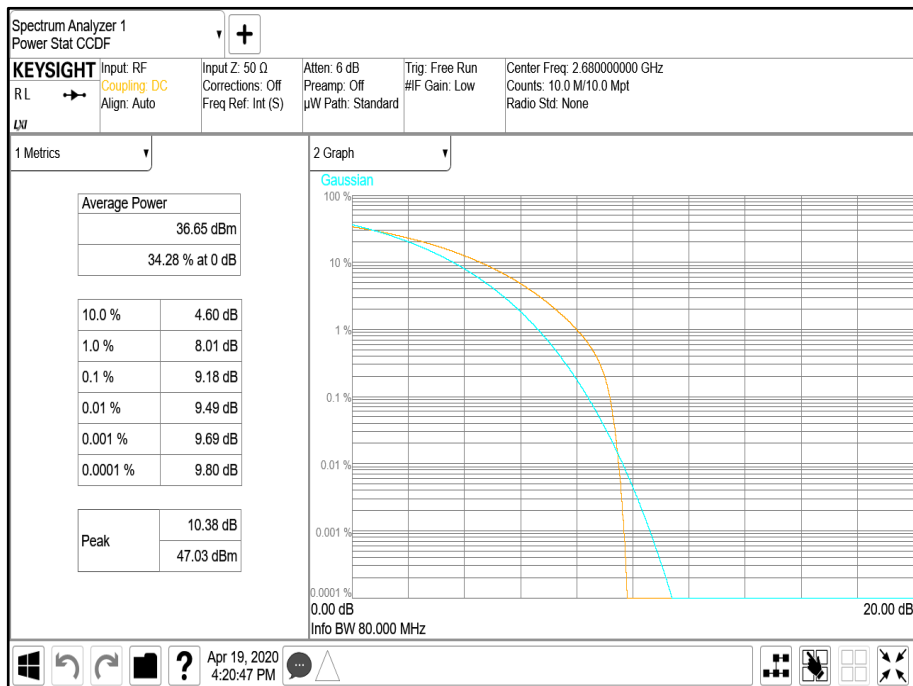


Configuration 1

Maximum Output Power 36.0 dBm

Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position T		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
34	64QAM	20.0 MHz	9.18	36.62	24.75
Total			-	6.62	-5.25

Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T



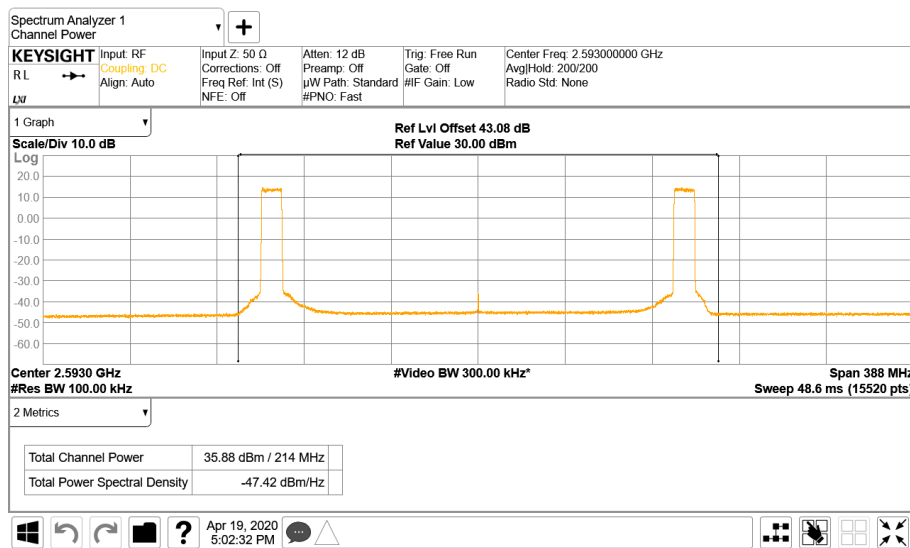


Configuration 2

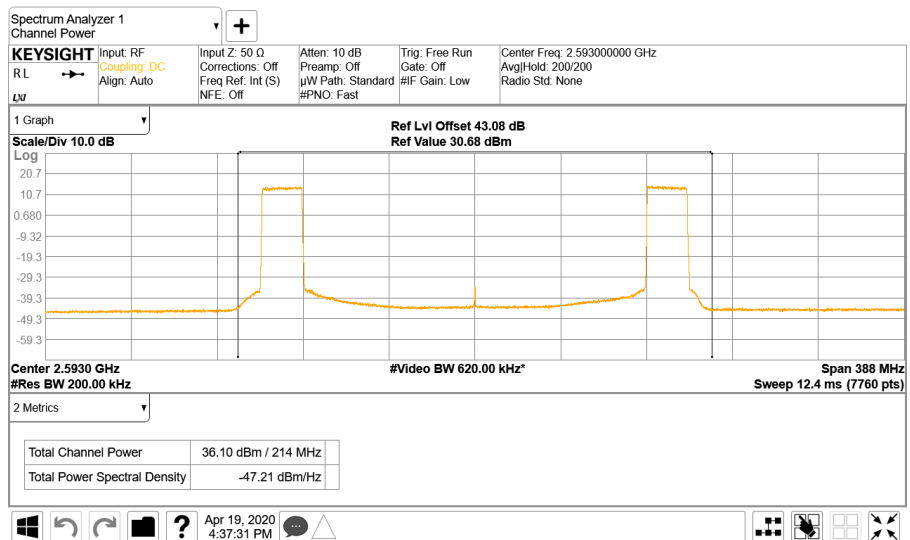
Maximum Output Power 36.0 dBm

Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
34	64QAM	10.0 MHz	-	35.88	24.06
34	64QAM	20.0 MHz	-	36.10	21.42
Total			-	6.10	-8.58

Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M



Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M



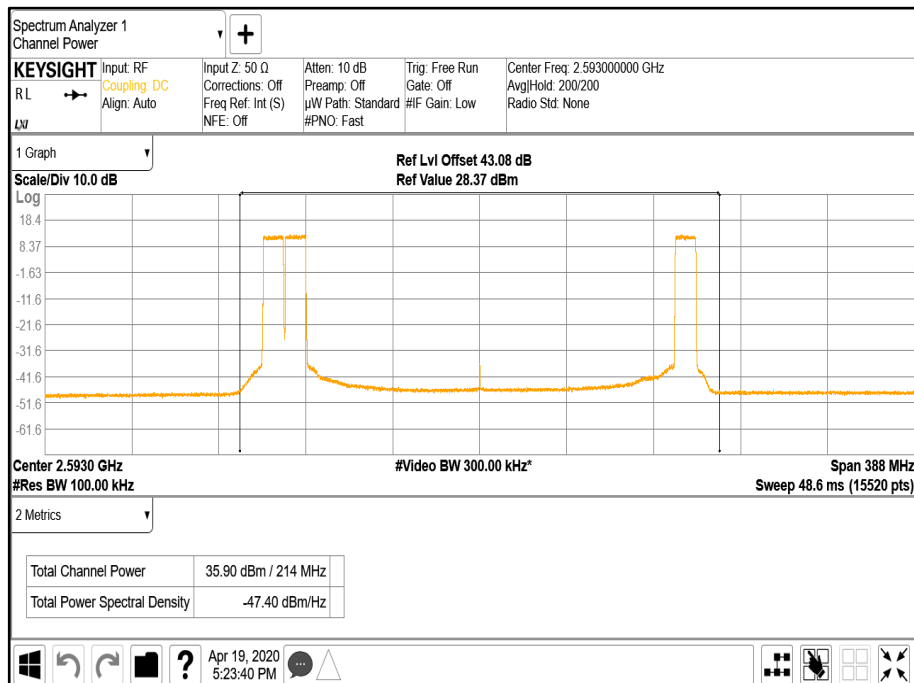


Configuration 3

Maximum Output Power 36.0 dBm

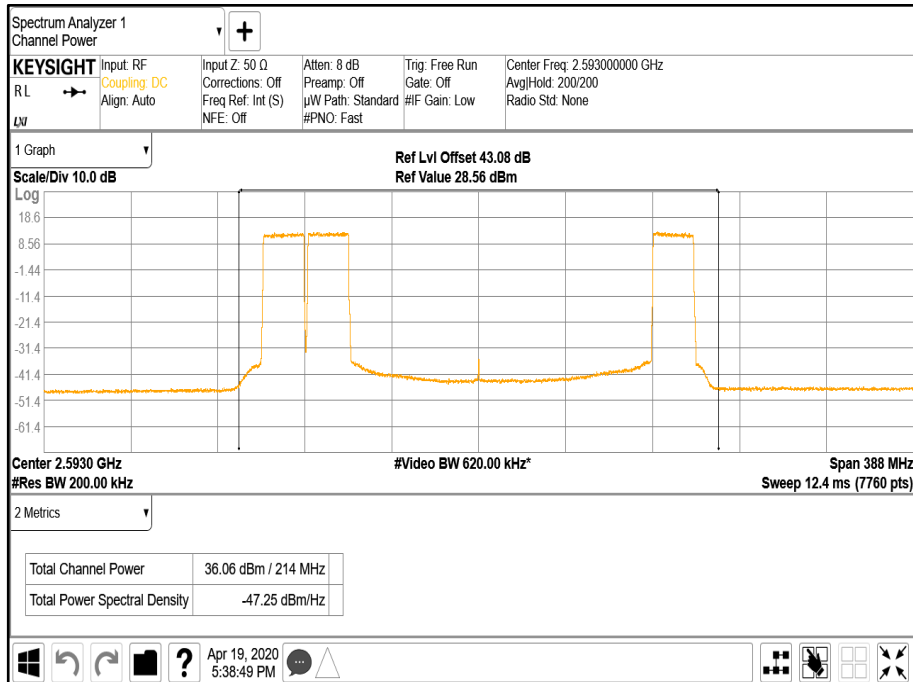
Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
34	64QAM	10.0 MHz	-	35.90	22.37
34	64QAM	20.0 MHz	-	36.06	19.38
Total			-	6.06	-10.62

Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M





Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M





Configuration 4

Maximum Output Power 36.0 dBm

Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position B		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
0	64QAM	20.0 MHz 30 kHz SCS	8.93	36.88	24.96
1	64QAM	20.0 MHz 30 kHz SCS	8.61	36.63	24.89
2	64QAM	20.0 MHz 30 kHz SCS	8.72	37.04	25.11
3	64QAM	20.0 MHz 30 kHz SCS	8.66	36.90	24.98
4	64QAM	20.0 MHz 30 kHz SCS	8.81	37.08	25.03
5	64QAM	20.0 MHz 30 kHz SCS	8.65	36.92	25.05
6	64QAM	20.0 MHz 30 kHz SCS	8.48	37.05	24.86
7	64QAM	20.0 MHz 30 kHz SCS	8.73	37.01	24.94
8	64QAM	20.0 MHz 30 kHz SCS	8.48	36.71	24.89
9	64QAM	20.0 MHz 30 kHz SCS	8.68	36.88	24.99
10	64QAM	20.0 MHz 30 kHz SCS	8.49	36.94	24.94
11	64QAM	20.0 MHz 30 kHz SCS	8.67	36.87	24.93
12	64QAM	20.0 MHz 30 kHz SCS	8.41	37.04	24.97
13	64QAM	20.0 MHz 30 kHz SCS	8.83	36.93	25.05
14	64QAM	20.0 MHz 30 kHz SCS	8.89	36.75	25.03
15	64QAM	20.0 MHz 30 kHz SCS	8.47	36.82	24.95
16	64QAM	20.0 MHz 30 kHz SCS	8.85	37.07	25.03
17	64QAM	20.0 MHz 30 kHz SCS	8.75	37.26	24.99
18	64QAM	20.0 MHz 30 kHz SCS	8.80	37.04	25.06
19	64QAM	20.0 MHz 30 kHz SCS	8.53	36.86	25.08
20	64QAM	20.0 MHz 30 kHz SCS	8.81	37.07	25.12
21	64QAM	20.0 MHz 30 kHz SCS	8.40	37.09	25.02
22	64QAM	20.0 MHz 30 kHz SCS	8.77	36.92	24.94
23	64QAM	20.0 MHz 30 kHz SCS	8.60	36.88	24.74
24	64QAM	20.0 MHz 30 kHz SCS	8.60	36.79	24.88
25	64QAM	20.0 MHz 30 kHz SCS	8.64	36.81	24.86



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position B		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
26	64QAM	20.0 MHz 30 kHz SCS	8.47	36.82	24.86
27	64QAM	20.0 MHz 30 kHz SCS	8.71	36.90	24.92
28	64QAM	20.0 MHz 30 kHz SCS	8.54	37.02	25.23
29	64QAM	20.0 MHz 30 kHz SCS	8.91	36.95	25.02
30	64QAM	20.0 MHz 30 kHz SCS	8.82	37.04	25.14
31	64QAM	20.0 MHz 30 kHz SCS	8.72	37.20	24.98
32	64QAM	20.0 MHz 30 kHz SCS	8.88	37.03	25.10
33	64QAM	20.0 MHz 30 kHz SCS	8.69	37.04	24.94
34	64QAM	20.0 MHz 30 kHz SCS	8.66	37.05	25.16
35	64QAM	20.0 MHz 30 kHz SCS	8.86	36.98	25.10
36	64QAM	20.0 MHz 30 kHz SCS	8.69	36.99	25.37
37	64QAM	20.0 MHz 30 kHz SCS	8.83	37.25	25.18
38	64QAM	20.0 MHz 30 kHz SCS	8.65	37.05	24.97
39	64QAM	20.0 MHz 30 kHz SCS	8.82	36.92	24.82
40	64QAM	20.0 MHz 30 kHz SCS	8.53	36.72	24.89
41	64QAM	20.0 MHz 30 kHz SCS	8.68	36.85	24.89
42	64QAM	20.0 MHz 30 kHz SCS	8.71	36.78	24.92
43	64QAM	20.0 MHz 30 kHz SCS	8.53	36.86	24.88
44	64QAM	20.0 MHz 30 kHz SCS	8.92	36.77	24.91
45	64QAM	20.0 MHz 30 kHz SCS	8.39	36.69	25
46	64QAM	20.0 MHz 30 kHz SCS	8.82	36.70	24.98
47	64QAM	20.0 MHz 30 kHz SCS	8.71	36.94	24.94
48	64QAM	20.0 MHz 30 kHz SCS	8.67	36.91	24.96
49	64QAM	20.0 MHz 30 kHz SCS	8.48	36.80	24.94



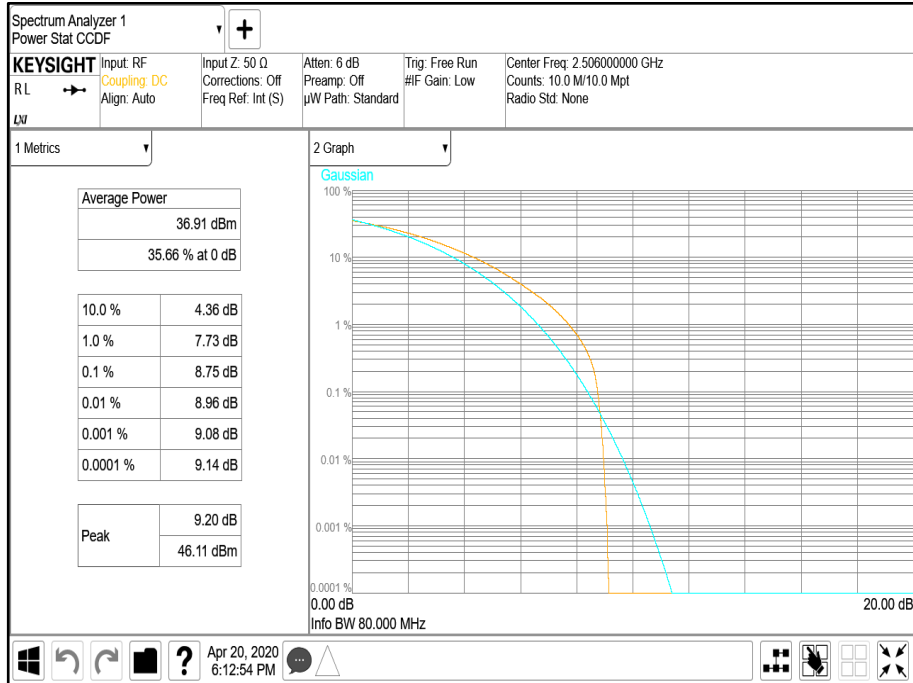
Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position B		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
50	64QAM	20.0 MHz 30 kHz SCS	8.58	36.91	25.05
51	64QAM	20.0 MHz 30 kHz SCS	8.45	37.13	25.02
52	64QAM	20.0 MHz 30 kHz SCS	8.88	37.18	25.12
53	64QAM	20.0 MHz 30 kHz SCS	8.59	36.86	25.12
54	64QAM	20.0 MHz 30 kHz SCS	8.74	36.86	24.98
55	64QAM	20.0 MHz 30 kHz SCS	8.47	36.92	23.65
56	64QAM	20.0 MHz 30 kHz SCS	8.80	36.77	24.81
57	64QAM	20.0 MHz 30 kHz SCS	8.65	36.85	24.92
58	64QAM	20.0 MHz 30 kHz SCS	8.65	37.03	25
59	64QAM	20.0 MHz 30 kHz SCS	8.61	36.84	24.91
60	64QAM	20.0 MHz 30 kHz SCS	8.60	36.96	24.78
61	64QAM	20.0 MHz 30 kHz SCS	8.59	36.93	24.92
62	64QAM	20.0 MHz 30 kHz SCS	8.59	36.91	24.95
63	64QAM	20.0 MHz 30 kHz SCS	8.54	36.91	24.94
Total			-	54.99	43.03
2	64QAM	40.0 MHz 30 kHz SCS	8.80	36.74	21.91
Total			-	6.74	-8.09
18	64QAM	60.0 MHz 30 kHz SCS	8.73	36.61	19.88
Total			-	6.61	-10.12
28	64QAM	80.0 MHz 30 kHz SCS	8.75	36.91	18.89
Total			-	6.91	-11.11
28	64QAM	100.0 MHz 30 kHz SCS	8.96	36.92	17.86
Total			-	6.92	-12.14

Remarks

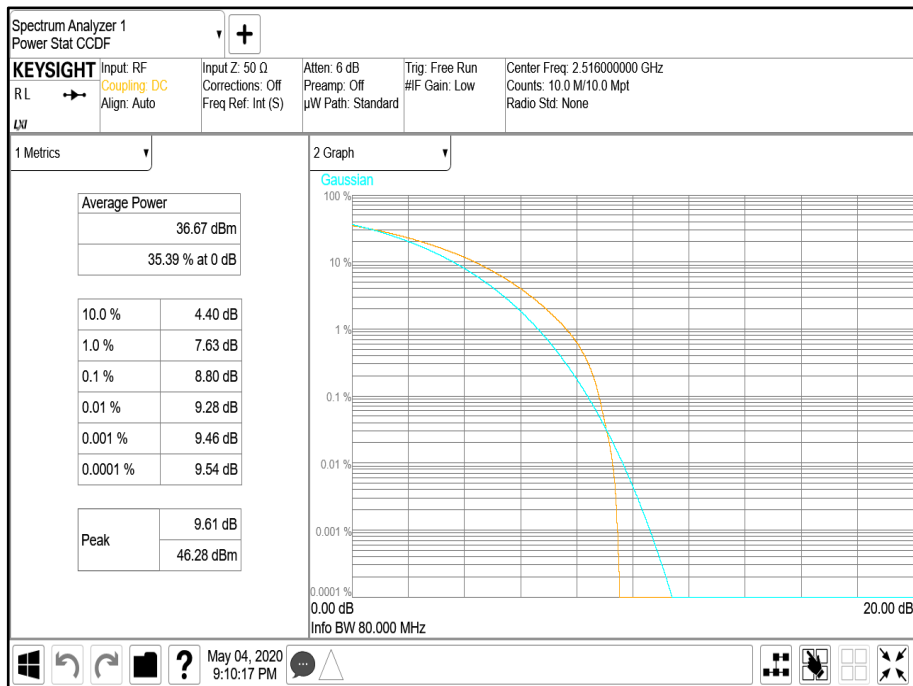
All transmitter antenna port performance is presented. The plot results are presented only for the port with the highest output power. Plot data performance for all transmitter ports are on file and available on request.



Antenna Port 17 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position B

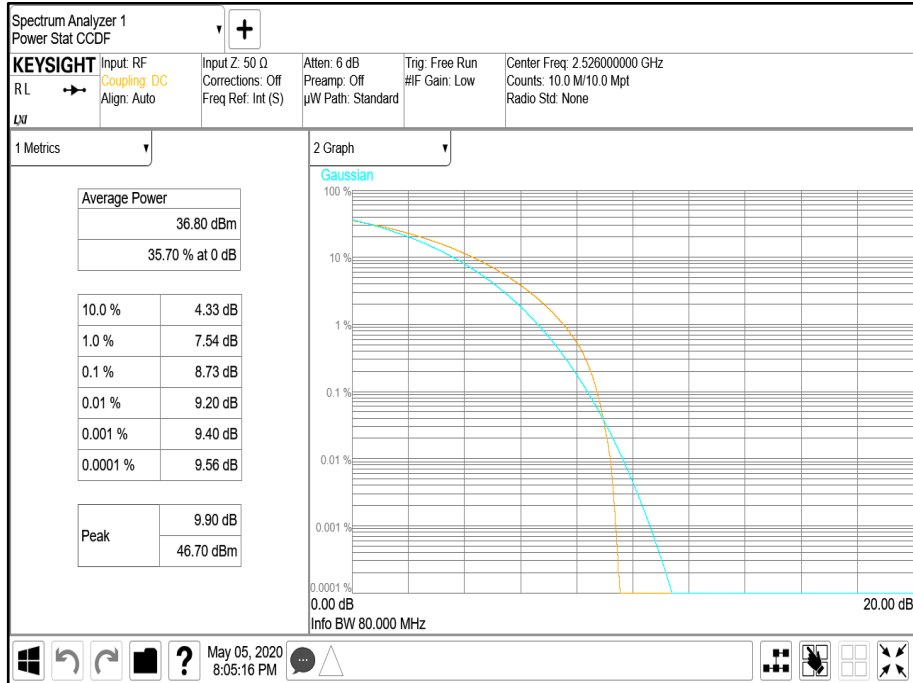


Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position B

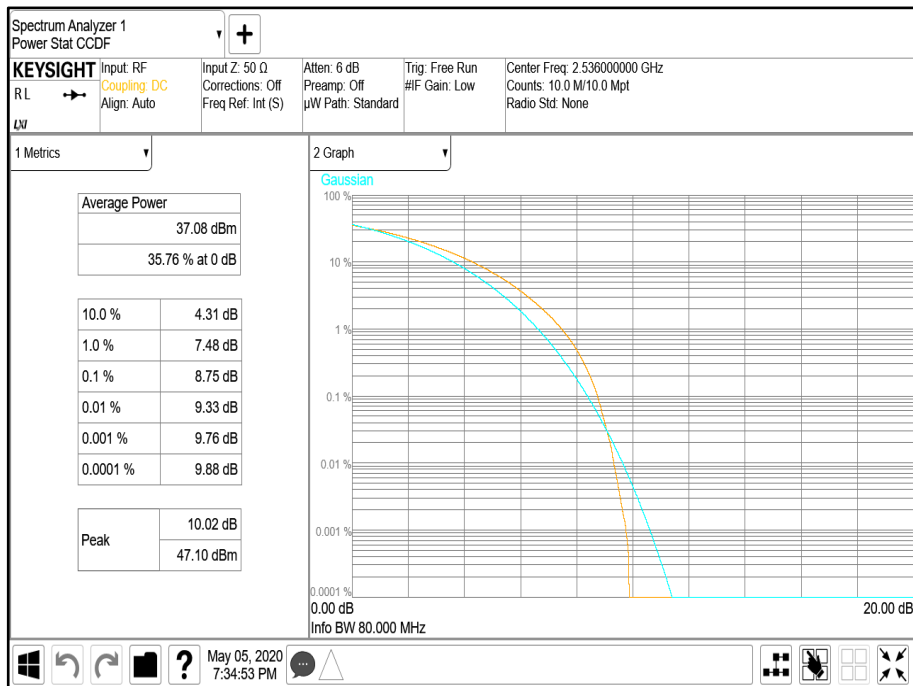




Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position B

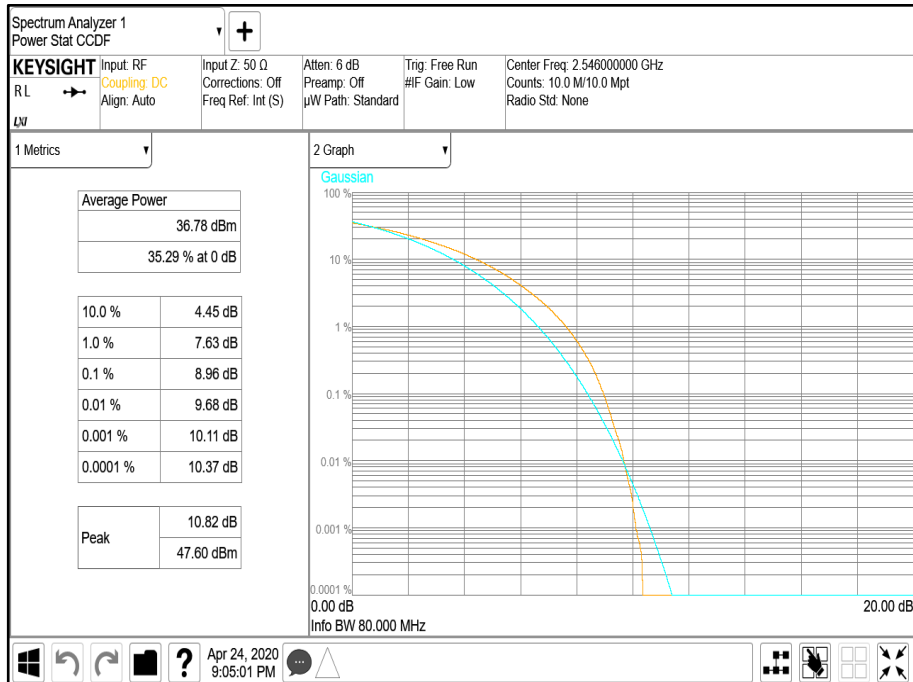


Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position B





Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position B





Configuration 4

Maximum Output Power 36.0 dBm

Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
0	64QAM	20.0 MHz 30 kHz SCS	8.94	36.91	24.86
1	64QAM	20.0 MHz 30 kHz SCS	8.70	36.66	24.65
2	64QAM	20.0 MHz 30 kHz SCS	8.68	37.07	25.04
3	64QAM	20.0 MHz 30 kHz SCS	8.67	36.87	24.69
4	64QAM	20.0 MHz 30 kHz SCS	8.57	36.63	24.80
5	64QAM	20.0 MHz 30 kHz SCS	8.96	36.78	24.84
6	64QAM	20.0 MHz 30 kHz SCS	8.66	36.82	24.78
7	64QAM	20.0 MHz 30 kHz SCS	8.75	36.69	24.68
8	64QAM	20.0 MHz 30 kHz SCS	8.60	36.71	24.94
9	64QAM	20.0 MHz 30 kHz SCS	8.73	36.80	24.83
10	64QAM	20.0 MHz 30 kHz SCS	8.72	36.67	24.76
11	64QAM	20.0 MHz 30 kHz SCS	8.73	36.72	24.71
12	64QAM	20.0 MHz 30 kHz SCS	8.76	37.05	24.98
13	64QAM	20.0 MHz 30 kHz SCS	8.77	36.72	24.76
14	64QAM	20.0 MHz 30 kHz SCS	8.54	36.85	24.98
15	64QAM	20.0 MHz 30 kHz SCS	8.85	36.86	24.69
16	64QAM	20.0 MHz 30 kHz SCS	8.73	36.85	24.91
17	64QAM	20.0 MHz 30 kHz SCS	8.56	36.80	24.81
18	64QAM	20.0 MHz 30 kHz SCS	8.60	36.88	25.11
19	64QAM	20.0 MHz 30 kHz SCS	8.60	36.71	24.73
20	64QAM	20.0 MHz 30 kHz SCS	8.64	36.72	24.76
21	64QAM	20.0 MHz 30 kHz SCS	8.46	36.64	24.77
22	64QAM	20.0 MHz 30 kHz SCS	8.83	36.82	24.79
23	64QAM	20.0 MHz 30 kHz SCS	8.61	36.53	24.54
24	64QAM	20.0 MHz 30 kHz SCS	8.56	36.65	24.75
25	64QAM	20.0 MHz 30 kHz SCS	8.63	36.35	24.72



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
26	64QAM	20.0 MHz 30 kHz SCS	8.45	36.74	24.61
27	64QAM	20.0 MHz 30 kHz SCS	8.74	36.66	24.63
28	64QAM	20.0 MHz 30 kHz SCS	8.94	37.19	24.86
29	64QAM	20.0 MHz 30 kHz SCS	8.67	36.84	24.75
30	64QAM	20.0 MHz 30 kHz SCS	8.64	36.96	24.84
31	64QAM	20.0 MHz 30 kHz SCS	8.73	36.76	24.78
32	64QAM	20.0 MHz 30 kHz SCS	8.62	36.87	24.91
33	64QAM	20.0 MHz 30 kHz SCS	8.84	36.59	24.86
34	64QAM	20.0 MHz 30 kHz SCS	8.91	37.22	24.94
35	64QAM	20.0 MHz 30 kHz SCS	9.10	36.59	24.81
36	64QAM	20.0 MHz 30 kHz SCS	8.58	36.79	24.73
37	64QAM	20.0 MHz 30 kHz SCS	8.95	36.84	24.79
38	64QAM	20.0 MHz 30 kHz SCS	8.51	36.77	24.89
39	64QAM	20.0 MHz 30 kHz SCS	8.80	36.40	24.64
40	64QAM	20.0 MHz 30 kHz SCS	8.73	36.90	24.63
41	64QAM	20.0 MHz 30 kHz SCS	8.59	36.42	24.74
42	64QAM	20.0 MHz 30 kHz SCS	8.95	36.63	24.73
43	64QAM	20.0 MHz 30 kHz SCS	8.94	36.83	24.85
44	64QAM	20.0 MHz 30 kHz SCS	8.60	36.76	24.86
45	64QAM	20.0 MHz 30 kHz SCS	8.69	36.66	24.67
46	64QAM	20.0 MHz 30 kHz SCS	8.68	36.76	24.85
47	64QAM	20.0 MHz 30 kHz SCS	8.93	36.85	24.73
48	64QAM	20.0 MHz 30 kHz SCS	9.11	36.93	24.80
49	64QAM	20.0 MHz 30 kHz SCS	8.88	36.76	24.75
50	64QAM	20.0 MHz 30 kHz SCS	8.71	37.09	24.97
51	64QAM	20.0 MHz 30 kHz SCS	8.58	36.73	24.82
52	64QAM	20.0 MHz 30 kHz SCS	9.12	36.83	24.67
53	64QAM	20.0 MHz 30 kHz SCS	9.10	36.84	24.91
54	64QAM	20.0 MHz 30 kHz SCS	9.14	36.66	24.78
55	64QAM	20.0 MHz 30 kHz SCS	8.84	36.68	24.56
56	64QAM	20.0 MHz 30 kHz SCS	8.79	36.93	24.70
57	64QAM	20.0 MHz 30 kHz	8.62	36.67	24.67



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
		SCS			
58	64QAM	20.0 MHz 30 kHz SCS	8.56	36.78	24.68
59	64QAM	20.0 MHz 30 kHz SCS	8.58	36.88	24.86
60	64QAM	20.0 MHz 30 kHz SCS	8.65	36.55	24.71
61	64QAM	20.0 MHz 30 kHz SCS	8.65	36.63	24.79
62	64QAM	20.0 MHz 30 kHz SCS	8.57	37	24.89
63	64QAM	20.0 MHz 30 kHz SCS	8.72	36.79	24.70
Total			-	54.84	42.85
0	64QAM	40.0 MHz 30 kHz SCS	8.60	36.67	21.63
1	64QAM	40.0 MHz 30 kHz SCS	8.71	36.62	21.44
2	64QAM	40.0 MHz 30 kHz SCS	8.81	36.92	21.80
3	64QAM	40.0 MHz 30 kHz SCS	8.66	36.67	21.47
4	64QAM	40.0 MHz 30 kHz SCS	8.63	36.59	21.46
5	64QAM	40.0 MHz 30 kHz SCS	9.04	36.75	21.54
6	64QAM	40.0 MHz 30 kHz SCS	8.64	36.77	21.67
7	64QAM	40.0 MHz 30 kHz SCS	8.72	36.54	21.38
8	64QAM	40.0 MHz 30 kHz SCS	8.65	36.70	21.71
9	64QAM	40.0 MHz 30 kHz SCS	8.84	36.63	21.56
10	64QAM	40.0 MHz 30 kHz SCS	8.62	36.36	21.29
11	64QAM	40.0 MHz 30 kHz SCS	8.53	36.51	21.41
12	64QAM	40.0 MHz 30 kHz SCS	8.84	36.85	21.64
13	64QAM	40.0 MHz 30 kHz SCS	8.62	36.67	21.43
14	64QAM	40.0 MHz 30 kHz SCS	8.68	36.70	21.51
15	64QAM	40.0 MHz 30 kHz SCS	8.51	36.40	21.34
16	64QAM	40.0 MHz 30 kHz SCS	9	36.88	21.78
17	64QAM	40.0 MHz 30 kHz SCS	8.69	36.77	21.57
18	64QAM	40.0 MHz 30 kHz SCS	8.60	36.86	21.70
19	64QAM	40.0 MHz 30 kHz SCS	8.76	36.64	21.55
20	64QAM	40.0 MHz 30 kHz SCS	8.99	36.73	21.53
21	64QAM	40.0 MHz 30 kHz SCS	8.74	36.63	21.51
22	64QAM	40.0 MHz 30 kHz SCS	8.72	36.82	21.52
23	64QAM	40.0 MHz 30 kHz SCS	8.63	36.37	21.30
24	64QAM	40.0 MHz 30 kHz	8.61	36.65	21.58



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
		SCS			
25	64QAM	40.0 MHz 30 kHz SCS	8.57	36.64	21.51
26	64QAM	40.0 MHz 30 kHz SCS	8.62	36.39	21.50
27	64QAM	40.0 MHz 30 kHz SCS	8.45	36.55	21.61
28	64QAM	40.0 MHz 30 kHz SCS	8.81	36.91	21.75
29	64QAM	40.0 MHz 30 kHz SCS	8.65	36.79	21.48
30	64QAM	40.0 MHz 30 kHz SCS	8.53	36.86	21.74
31	64QAM	40.0 MHz 30 kHz SCS	8.73	36.80	21.58
32	64QAM	40.0 MHz 30 kHz SCS	8.65	36.80	21.73
33	64QAM	40.0 MHz 30 kHz SCS	8.67	36.63	21.55
34	64QAM	40.0 MHz 30 kHz SCS	8.41	36.87	21.75
35	64QAM	40.0 MHz 30 kHz SCS	8.71	36.65	21.54
36	64QAM	40.0 MHz 30 kHz SCS	8.64	36.72	21.51
37	64QAM	40.0 MHz 30 kHz SCS	8.64	36.59	21.48
38	64QAM	40.0 MHz 30 kHz SCS	8.60	36.77	21.60
39	64QAM	40.0 MHz 30 kHz SCS	9.05	36.58	21.33
40	64QAM	40.0 MHz 30 kHz SCS	9.04	36.66	21.49
41	64QAM	40.0 MHz 30 kHz SCS	8.47	36.64	21.49
42	64QAM	40.0 MHz 30 kHz SCS	8.68	36.47	21.45
43	64QAM	40.0 MHz 30 kHz SCS	8.64	36.81	21.46
44	64QAM	40.0 MHz 30 kHz SCS	8.67	36.84	21.74
45	64QAM	40.0 MHz 30 kHz SCS	8.53	36.49	21.46
46	64QAM	40.0 MHz 30 kHz SCS	8.63	36.82	21.66
47	64QAM	40.0 MHz 30 kHz SCS	8.55	36.71	21.50
48	64QAM	40.0 MHz 30 kHz SCS	8.63	36.84	21.77
49	64QAM	40.0 MHz 30 kHz SCS	8.96	36.64	21.47
50	64QAM	40.0 MHz 30 kHz SCS	8.87	36.89	21.72
51	64QAM	40.0 MHz 30 kHz SCS	8.59	36.71	21.53
52	64QAM	40.0 MHz 30 kHz SCS	8.69	36.57	21.38
53	64QAM	40.0 MHz 30 kHz SCS	8.82	36.77	21.63
54	64QAM	40.0 MHz 30 kHz SCS	8.63	36.76	21.58
55	64QAM	40.0 MHz 30 kHz SCS	8.67	36.58	21.35



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
56	64QAM	40.0 MHz 30 kHz SCS	8.76	36.79	21.60
57	64QAM	40.0 MHz 30 kHz SCS	8.53	36.54	21.55
58	64QAM	40.0 MHz 30 kHz SCS	8.73	36.56	21.52
59	64QAM	40.0 MHz 30 kHz SCS	8.60	36.87	21.63
60	64QAM	40.0 MHz 30 kHz SCS	8.95	36.66	21.40
61	64QAM	40.0 MHz 30 kHz SCS	8.71	36.54	21.42
62	64QAM	40.0 MHz 30 kHz SCS	8.93	36.77	21.70
63	64QAM	40.0 MHz 30 kHz SCS	8.62	36.67	21.62
Total			-	54.75	39.61
0	64QAM	60.0 MHz 30 kHz SCS	8.67	36.80	19.96
1	64QAM	60.0 MHz 30 kHz SCS	8.66	36.44	19.72
2	64QAM	60.0 MHz 30 kHz SCS	8.50	37.04	19.96
3	64QAM	60.0 MHz 30 kHz SCS	8.58	36.76	19.79
4	64QAM	60.0 MHz 30 kHz SCS	8.73	36.90	19.81
5	64QAM	60.0 MHz 30 kHz SCS	8.68	36.70	19.71
6	64QAM	60.0 MHz 30 kHz SCS	8.65	36.74	19.82
7	64QAM	60.0 MHz 30 kHz SCS	8.78	36.71	19.82
8	64QAM	60.0 MHz 30 kHz SCS	8.72	36.84	18.50
9	64QAM	60.0 MHz 30 kHz SCS	8.47	36.71	18.38
10	64QAM	60.0 MHz 30 kHz SCS	8.80	36.59	19.77
11	64QAM	60.0 MHz 30 kHz SCS	8.86	36.73	19.76
12	64QAM	60.0 MHz 30 kHz SCS	8.64	37.05	20.06
13	64QAM	60.0 MHz 30 kHz SCS	8.64	36.91	19.81
14	64QAM	60.0 MHz 30 kHz SCS	8.69	36.86	19.88
15	64QAM	60.0 MHz 30 kHz SCS	8.48	36.77	19.73
16	64QAM	60.0 MHz 30 kHz SCS	9.04	36.96	20.09
17	64QAM	60.0 MHz 30 kHz SCS	9.18	36.72	19.81
18	64QAM	60.0 MHz 30 kHz SCS	9.10	37.18	18.63
19	64QAM	60.0 MHz 30 kHz SCS	9.20	36.78	19.77
20	64QAM	60.0 MHz 30 kHz SCS	9.16	36.69	19.86
21	64QAM	60.0 MHz 30 kHz SCS	8.74	36.81	19.69
22	64QAM	60.0 MHz 30 kHz SCS	9.17	36.89	19.84



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
23	64QAM	60.0 MHz 30 kHz SCS	9.21	36.50	19.66
24	64QAM	60.0 MHz 30 kHz SCS	8.89	36.88	19.88
25	64QAM	60.0 MHz 30 kHz SCS	9.24	36.67	19.74
26	64QAM	60.0 MHz 30 kHz SCS	9.14	36.55	19.67
27	64QAM	60.0 MHz 30 kHz SCS	8.63	36.61	19.76
28	64QAM	60.0 MHz 30 kHz SCS	9.30	36.95	20.13
29	64QAM	60.0 MHz 30 kHz SCS	9.23	36.85	19.84
30	64QAM	60.0 MHz 30 kHz SCS	8.94	37.03	20.04
31	64QAM	60.0 MHz 30 kHz SCS	9.13	36.66	19.78
32	64QAM	60.0 MHz 30 kHz SCS	8.62	36.83	19.95
33	64QAM	60.0 MHz 30 kHz SCS	9.05	36.79	19.81
34	64QAM	60.0 MHz 30 kHz SCS	8.67	37.09	19.96
35	64QAM	60.0 MHz 30 kHz SCS	9.08	36.79	19.84
36	64QAM	60.0 MHz 30 kHz SCS	8.80	36.77	19.78
37	64QAM	60.0 MHz 30 kHz SCS	9.17	36.68	19.80
38	64QAM	60.0 MHz 30 kHz SCS	9.16	36.87	19.87
39	64QAM	60.0 MHz 30 kHz SCS	9.14	36.63	19.61
40	64QAM	60.0 MHz 30 kHz SCS	9.15	36.82	19.97
41	64QAM	60.0 MHz 30 kHz SCS	9.01	36.77	19.88
42	64QAM	60.0 MHz 30 kHz SCS	9.07	36.75	19.66
43	64QAM	60.0 MHz 30 kHz SCS	9.18	36.79	19.74
44	64QAM	60.0 MHz 30 kHz SCS	9.11	37.03	20.04
45	64QAM	60.0 MHz 30 kHz SCS	8.55	36.78	19.72
46	64QAM	60.0 MHz 30 kHz SCS	9.22	36.95	19.97
47	64QAM	60.0 MHz 30 kHz SCS	9.27	36.78	20.06
48	64QAM	60.0 MHz 30 kHz SCS	9.23	37.02	20.05
49	64QAM	60.0 MHz 30 kHz SCS	9.01	36.69	19.72
50	64QAM	60.0 MHz 30 kHz SCS	8.93	36.96	20.12
51	64QAM	60.0 MHz 30 kHz SCS	8.83	36.59	19.74
52	64QAM	60.0 MHz 30 kHz SCS	8.67	36.96	19.73
53	64QAM	60.0 MHz 30 kHz SCS	8.78	36.87	20.02
54	64QAM	60.0 MHz 30 kHz	8.61	36.90	19.91



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
		SCS			
55	64QAM	60.0 MHz 30 kHz SCS	8.88	36.61	19.67
56	64QAM	60.0 MHz 30 kHz SCS	8.67	36.89	19.93
57	64QAM	60.0 MHz 30 kHz SCS	8.56	36.76	19.75
58	64QAM	60.0 MHz 30 kHz SCS	8.67	36.73	19.80
59	64QAM	60.0 MHz 30 kHz SCS	8.84	36.89	19.83
60	64QAM	60.0 MHz 30 kHz SCS	8.59	36.75	19.72
61	64QAM	60.0 MHz 30 kHz SCS	8.84	36.62	19.75
62	64QAM	60.0 MHz 30 kHz SCS	8.92	36.86	19.98
63	64QAM	60.0 MHz 30 kHz SCS	8.91	36.85	19.79
Total			-	54.87	37.85
0	64QAM	80.0 MHz 30 kHz SCS	8.71	36.77	18.54
1	64QAM	80.0 MHz 30 kHz SCS	8.74	36.46	18.18
2	64QAM	80.0 MHz 30 kHz SCS	8.67	36.74	18.49
3	64QAM	80.0 MHz 30 kHz SCS	8.86	36.63	18.27
4	64QAM	80.0 MHz 30 kHz SCS	8.79	36.45	18.37
5	64QAM	80.0 MHz 30 kHz SCS	8.45	36.56	18.34
6	64QAM	80.0 MHz 30 kHz SCS	8.63	36.72	18.49
7	64QAM	80.0 MHz 30 kHz SCS	8.77	36.69	18.39
8	64QAM	80.0 MHz 30 kHz SCS	8.77	36.67	18.50
9	64QAM	80.0 MHz 30 kHz SCS	8.67	36.61	18.39
10	64QAM	80.0 MHz 30 kHz SCS	8.48	36.63	18.22
11	64QAM	80.0 MHz 30 kHz SCS	8.56	36.57	18.36
12	64QAM	80.0 MHz 30 kHz SCS	8.94	36.87	18.62
13	64QAM	80.0 MHz 30 kHz SCS	8.85	36.59	18.49
14	64QAM	80.0 MHz 30 kHz SCS	8.57	36.76	18.43
15	64QAM	80.0 MHz 30 kHz SCS	8.67	36.50	18.26
16	64QAM	80.0 MHz 30 kHz SCS	8.76	36.80	18.60
17	64QAM	80.0 MHz 30 kHz SCS	8.58	36.71	18.47
18	64QAM	80.0 MHz 30 kHz SCS	8.60	36.86	18.76
19	64QAM	80.0 MHz 30 kHz SCS	8.89	36.60	18.43
20	64QAM	80.0 MHz 30 kHz SCS	8.74	36.62	18.47
21	64QAM	80.0 MHz 30 kHz	8.49	36.68	18.43



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
		SCS			
22	64QAM	80.0 MHz 30 kHz SCS	8.63	36.65	18.54
23	64QAM	80.0 MHz 30 kHz SCS	8.73	36.46	18.32
24	64QAM	80.0 MHz 30 kHz SCS	8.67	36.67	18.46
25	64QAM	80.0 MHz 30 kHz SCS	8.46	36.47	18.34
26	64QAM	80.0 MHz 30 kHz SCS	8.73	36.54	18.28
27	64QAM	80.0 MHz 30 kHz SCS	8.64	36.63	18.38
28	64QAM	80.0 MHz 30 kHz SCS	8.56	37.01	18.69
29	64QAM	80.0 MHz 30 kHz SCS	8.83	36.56	18.36
30	64QAM	80.0 MHz 30 kHz SCS	8.68	36.84	18.49
31	64QAM	80.0 MHz 30 kHz SCS	8.69	36.42	18.37
32	64QAM	80.0 MHz 30 kHz SCS	8.89	36.78	18.54
33	64QAM	80.0 MHz 30 kHz SCS	8.62	36.59	18.38
34	64QAM	80.0 MHz 30 kHz SCS	8.90	36.82	18.55
35	64QAM	80.0 MHz 30 kHz SCS	8.84	36.75	18.40
36	64QAM	80.0 MHz 30 kHz SCS	8.51	36.66	18.46
37	64QAM	80.0 MHz 30 kHz SCS	8.65	36.56	18.45
38	64QAM	80.0 MHz 30 kHz SCS	8.78	36.69	18.45
39	64QAM	80.0 MHz 30 kHz SCS	8.78	36.47	18.18
40	64QAM	80.0 MHz 30 kHz SCS	8.48	36.68	18.31
41	64QAM	80.0 MHz 30 kHz SCS	8.71	36.61	18.34
42	64QAM	80.0 MHz 30 kHz SCS	8.57	36.57	18.24
43	64QAM	80.0 MHz 30 kHz SCS	8.52	36.64	18.28
44	64QAM	80.0 MHz 30 kHz SCS	8.72	36.81	18.61
45	64QAM	80.0 MHz 30 kHz SCS	8.80	36.58	18.41
46	64QAM	80.0 MHz 30 kHz SCS	8.68	36.65	18.56
47	64QAM	80.0 MHz 30 kHz SCS	8.75	36.71	18.48
48	64QAM	80.0 MHz 30 kHz SCS	8.80	36.66	18.53
49	64QAM	80.0 MHz 30 kHz SCS	8.76	36.62	18.35
50	64QAM	80.0 MHz 30 kHz SCS	8.66	36.73	18.69
51	64QAM	80.0 MHz 30 kHz SCS	8.53	36.61	18.36
52	64QAM	80.0 MHz 30 kHz SCS	8.62	36.51	18.19



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
53	64QAM	80.0 MHz 30 kHz SCS	8.48	36.81	18.56
54	64QAM	80.0 MHz 30 kHz SCS	8.73	36.58	18.41
55	64QAM	80.0 MHz 30 kHz SCS	8.68	36.63	18.24
56	64QAM	80.0 MHz 30 kHz SCS	8.75	36.66	18.45
57	64QAM	80.0 MHz 30 kHz SCS	8.58	36.64	18.43
58	64QAM	80.0 MHz 30 kHz SCS	8.63	36.59	18.40
59	64QAM	80.0 MHz 30 kHz SCS	8.69	36.65	18.47
60	64QAM	80.0 MHz 30 kHz SCS	8.59	36.60	18.30
61	64QAM	80.0 MHz 30 kHz SCS	8.80	36.62	18.33
62	64QAM	80.0 MHz 30 kHz SCS	8.57	36.85	18.71
63	64QAM	80.0 MHz 30 kHz SCS	8.56	36.72	18.58
Total			-	54.72	36.49
0	64QAM	100.0 MHz 30 kHz SCS	8.69	36.56	17.36
1	64QAM	100.0 MHz 30 kHz SCS	8.39	36.38	17.23
2	64QAM	100.0 MHz 30 kHz SCS	8.62	36.70	17.60
3	64QAM	100.0 MHz 30 kHz SCS	8.67	36.57	17.29
4	64QAM	100.0 MHz 30 kHz SCS	8.45	36.50	17.31
5	64QAM	100.0 MHz 30 kHz SCS	8.42	36.65	17.51
6	64QAM	100.0 MHz 30 kHz SCS	8.65	36.70	17.52
7	64QAM	100.0 MHz 30 kHz SCS	8.49	36.59	17.38
8	64QAM	100.0 MHz 30 kHz SCS	8.71	36.62	17.40
9	64QAM	100.0 MHz 30 kHz SCS	8.63	36.58	17.41
10	64QAM	100.0 MHz 30 kHz SCS	8.52	36.52	17.31
11	64QAM	100.0 MHz 30 kHz SCS	8.58	36.72	17.37
12	64QAM	100.0 MHz 30 kHz SCS	8.70	36.72	17.62
13	64QAM	100.0 MHz 30 kHz SCS	8.34	36.63	17.37
14	64QAM	100.0 MHz 30 kHz SCS	8.62	36.75	17.45
15	64QAM	100.0 MHz 30 kHz SCS	8.55	36.35	17.20
16	64QAM	100.0 MHz 30 kHz SCS	8.83	36.75	17.51
17	64QAM	100.0 MHz 30 kHz SCS	8.76	36.56	17.42
18	64QAM	100.0 MHz 30 kHz SCS	8.64	36.79	17.65
19	64QAM	100.0 MHz 30 kHz SCS	8.75	36.75	17.44



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
20	64QAM	100.0 MHz 30 kHz SCS	8.58	36.56	17.43
21	64QAM	100.0 MHz 30 kHz SCS	8.73	36.57	17.38
22	64QAM	100.0 MHz 30 kHz SCS	8.80	36.66	17.48
23	64QAM	100.0 MHz 30 kHz SCS	8.63	36.38	17.24
24	64QAM	100.0 MHz 30 kHz SCS	8.49	36.61	17.46
25	64QAM	100.0 MHz 30 kHz SCS	8.49	36.52	17.24
26	64QAM	100.0 MHz 30 kHz SCS	8.68	36.51	17.18
27	64QAM	100.0 MHz 30 kHz SCS	8.53	36.63	17.35
28	64QAM	100.0 MHz 30 kHz SCS	8.47	36.98	17.69
29	64QAM	100.0 MHz 30 kHz SCS	8.54	36.62	17.41
30	64QAM	100.0 MHz 30 kHz SCS	8.58	36.86	17.63
31	64QAM	100.0 MHz 30 kHz SCS	8.72	36.54	17.31
32	64QAM	100.0 MHz 30 kHz SCS	8.63	36.69	17.57
33	64QAM	100.0 MHz 30 kHz SCS	8.76	36.64	17.39
34	64QAM	100.0 MHz 30 kHz SCS	8.62	36.90	17.67
35	64QAM	100.0 MHz 30 kHz SCS	8.63	36.64	17.40
36	64QAM	100.0 MHz 30 kHz SCS	8.70	36.56	17.48
37	64QAM	100.0 MHz 30 kHz SCS	8.64	36.53	17.38
38	64QAM	100.0 MHz 30 kHz SCS	8.83	36.72	17.63
39	64QAM	100.0 MHz 30 kHz SCS	8.55	36.50	17.23
40	64QAM	100.0 MHz 30 kHz SCS	8.67	36.59	17.38
41	64QAM	100.0 MHz 30 kHz SCS	8.47	36.62	17.52
42	64QAM	100.0 MHz 30 kHz SCS	8.87	36.42	17.29
43	64QAM	100.0 MHz 30 kHz SCS	8.73	36.49	17.38
44	64QAM	100.0 MHz 30 kHz SCS	8.80	36.73	17.63
45	64QAM	100.0 MHz 30 kHz SCS	8.58	36.65	17.45
46	64QAM	100.0 MHz 30 kHz SCS	8.41	36.76	17.55
47	64QAM	100.0 MHz 30 kHz SCS	8.63	36.55	17.43
48	64QAM	100.0 MHz 30 kHz SCS	8.41	36.80	17.60
49	64QAM	100.0 MHz 30 kHz SCS	8.53	36.58	17.37
50	64QAM	100.0 MHz 30 kHz SCS	8.57	36.72	17.57
51	64QAM	100.0 MHz 30 kHz	8.48	36.60	17.41

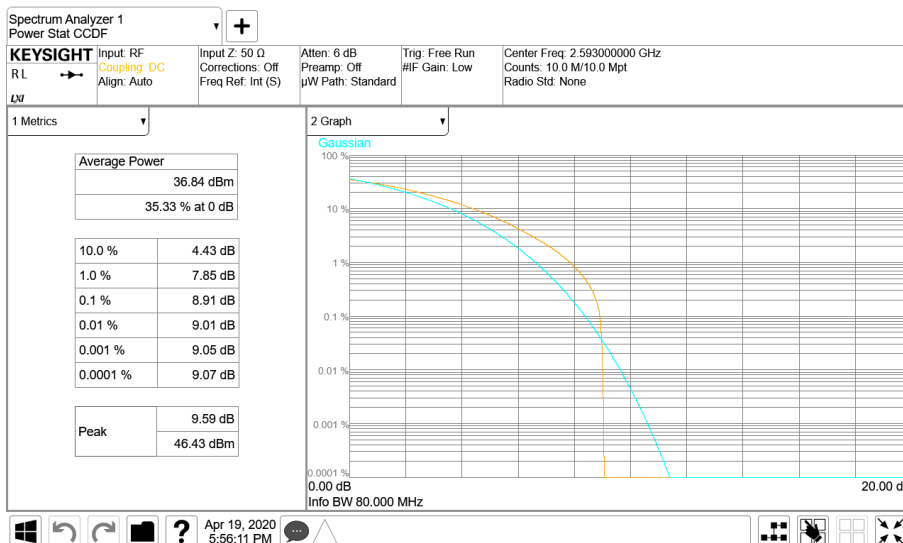


Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz SCS 30kHz				
		SCS			
52	64QAM	100.0 MHz 30 kHz SCS	8.48	36.35	17.31
53	64QAM	100.0 MHz 30 kHz SCS	8.86	36.70	17.56
54	64QAM	100.0 MHz 30 kHz SCS	8.66	36.61	17.46
55	64QAM	100.0 MHz 30 kHz SCS	8.61	36.34	17.28
56	64QAM	100.0 MHz 30 kHz SCS	8.55	36.60	17.44
57	64QAM	100.0 MHz 30 kHz SCS	8.82	36.65	17.45
58	64QAM	100.0 MHz 30 kHz SCS	8.60	36.53	17.40
59	64QAM	100.0 MHz 30 kHz SCS	8.47	36.70	17.56
60	64QAM	100.0 MHz 30 kHz SCS	8.51	36.51	17.36
61	64QAM	100.0 MHz 30 kHz SCS	8.71	36.67	17.39
62	64QAM	100.0 MHz 30 kHz SCS	8.78	36.78	17.50
63	64QAM	100.0 MHz 30 kHz SCS	8.43	36.55	17.45
Total			-	54.68	35.50

Remarks

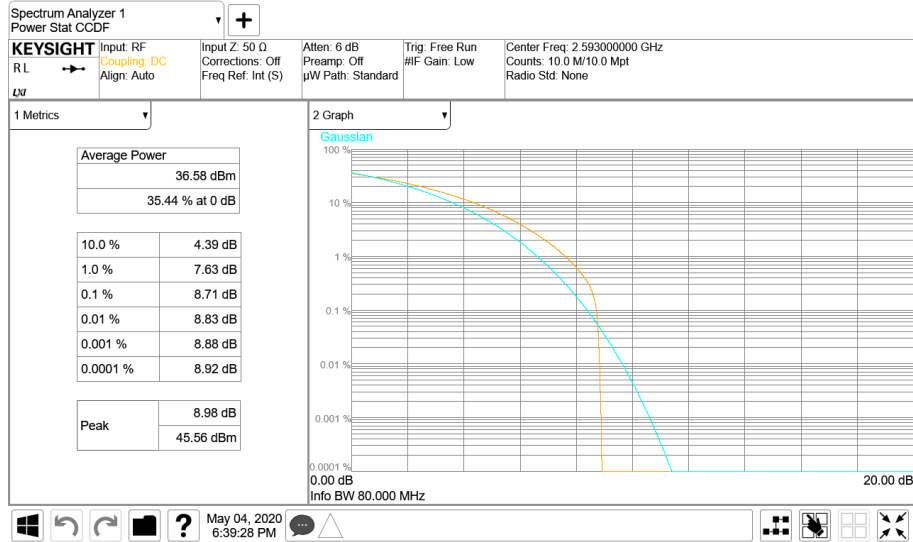
All transmitter antenna port performance is presented. The plot results are presented only for the port with the highest output power. Plot data performance for all transmitter ports are on file and available on request.

Antenna Port 34 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position M

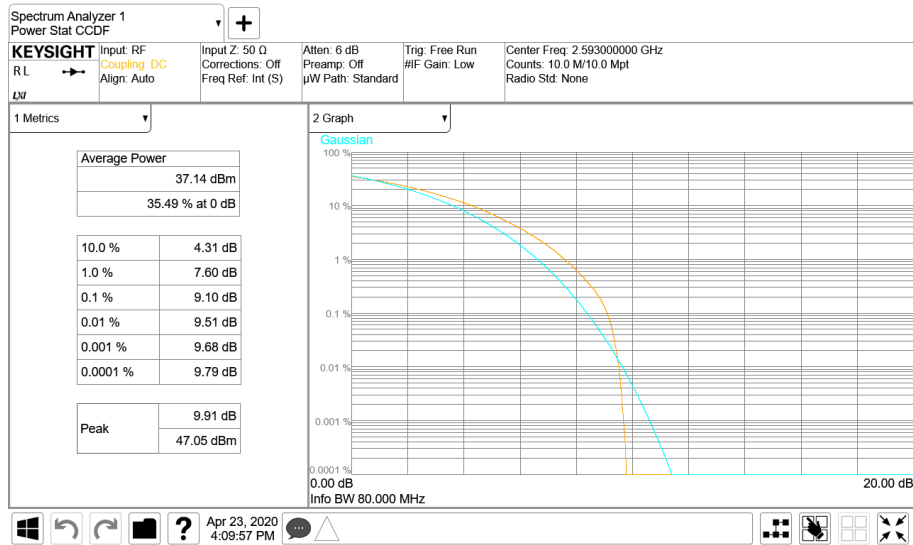




Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position M

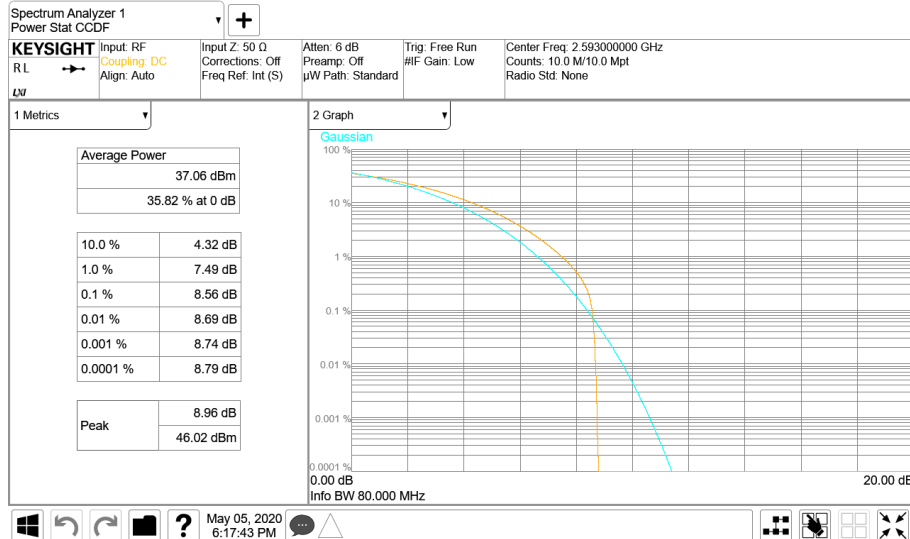


Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position M

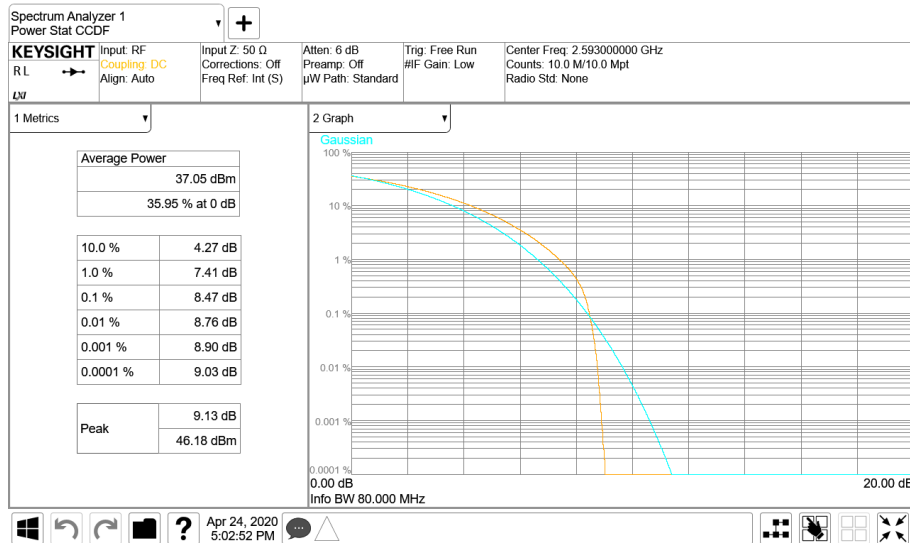




Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position M



Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position M





Configuration 4

Maximum Output Power 36.0 dBm

Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position T		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
0	64QAM	20.0 MHz 30 kHz SCS	8.59	37.08	25.33
1	64QAM	20.0 MHz 30 kHz SCS	8.66	36.86	25.17
2	64QAM	20.0 MHz 30 kHz SCS	8.67	37.05	25.26
3	64QAM	20.0 MHz 30 kHz SCS	8.78	37.21	25.28
4	64QAM	20.0 MHz 30 kHz SCS	8.45	36.86	25.04
5	64QAM	20.0 MHz 30 kHz SCS	8.54	37.06	25.16
6	64QAM	20.0 MHz 30 kHz SCS	9.01	36.88	25.08
7	64QAM	20.0 MHz 30 kHz SCS	8.78	36.93	25.13
8	64QAM	20.0 MHz 30 kHz SCS	8.69	37.25	25.21
9	64QAM	20.0 MHz 30 kHz SCS	8.59	37.14	25.21
10	64QAM	20.0 MHz 30 kHz SCS	8.59	37.37	25.30
11	64QAM	20.0 MHz 30 kHz SCS	8.73	37.10	25.26
12	64QAM	20.0 MHz 30 kHz SCS	8.84	37.14	25.31
13	64QAM	20.0 MHz 30 kHz SCS	8.70	37.03	25.25
14	64QAM	20.0 MHz 30 kHz SCS	8.62	37.26	25.19
15	64QAM	20.0 MHz 30 kHz SCS	8.42	37	25.30
16	64QAM	20.0 MHz 30 kHz SCS	8.68	37.12	25.26
17	64QAM	20.0 MHz 30 kHz SCS	8.48	37.25	25.26
18	64QAM	20.0 MHz 30 kHz SCS	8.63	37.17	25.29
19	64QAM	20.0 MHz 30 kHz SCS	8.58	37.23	25.35
20	64QAM	20.0 MHz 30 kHz SCS	8.67	37.01	25.04
21	64QAM	20.0 MHz 30 kHz SCS	8.74	37.21	25.19
22	64QAM	20.0 MHz 30 kHz SCS	8.72	37.17	25.12
23	64QAM	20.0 MHz 30 kHz SCS	8.48	36.84	25.08
24	64QAM	20.0 MHz 30 kHz SCS	8.72	37.09	25.16
25	64QAM	20.0 MHz 30 kHz SCS	8.55	36.81	25.19



Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position T		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
26	64QAM	20.0 MHz 30 kHz SCS	8.63	37.09	25.20
27	64QAM	20.0 MHz 30 kHz SCS	8.49	36.91	25.19
28	64QAM	20.0 MHz 30 kHz SCS	8.50	37.13	25.34
29	64QAM	20.0 MHz 30 kHz SCS	8.54	37.12	25.22
30	64QAM	20.0 MHz 30 kHz SCS	8.46	37.02	25.37
31	64QAM	20.0 MHz 30 kHz SCS	8.70	37.13	25.23
32	64QAM	20.0 MHz 30 kHz SCS	8.74	37.25	25.29
33	64QAM	20.0 MHz 30 kHz SCS	8.86	37.19	25.24
34	64QAM	20.0 MHz 30 kHz SCS	8.86	37.12	25.29
35	64QAM	20.0 MHz 30 kHz SCS	8.66	37.16	25.38
36	64QAM	20.0 MHz 30 kHz SCS	8.80	36.84	25.13
37	64QAM	20.0 MHz 30 kHz SCS	8.83	36.96	25.21
38	64QAM	20.0 MHz 30 kHz SCS	8.57	36.95	25.18
39	64QAM	20.0 MHz 30 kHz SCS	8.94	37	25.13
40	64QAM	20.0 MHz 30 kHz SCS	8.65	36.99	25.09
41	64QAM	20.0 MHz 30 kHz SCS	8.47	37.09	25.14
42	64QAM	20.0 MHz 30 kHz SCS	8.71	36.96	25.19
43	64QAM	20.0 MHz 30 kHz SCS	8.72	37.06	25.25
44	64QAM	20.0 MHz 30 kHz SCS	8.56	37.10	25.29
45	64QAM	20.0 MHz 30 kHz SCS	8.81	37.07	25.27
46	64QAM	20.0 MHz 30 kHz SCS	8.65	37.16	25.31
47	64QAM	20.0 MHz 30 kHz SCS	8.70	37.11	25.21
48	64QAM	20.0 MHz 30 kHz SCS	8.91	37.07	25.13
49	64QAM	20.0 MHz 30 kHz SCS	8.78	37.26	25.26
50	64QAM	20.0 MHz 30 kHz SCS	8.68	37	25.10
51	64QAM	20.0 MHz 30 kHz SCS	8.77	37.17	25.27
52	64QAM	20.0 MHz 30 kHz SCS	8.52	37.01	25.14
53	64QAM	20.0 MHz 30 kHz SCS	8.42	37.04	25.21
54	64QAM	20.0 MHz 30 kHz SCS	8.65	36.87	25.05
55	64QAM	20.0 MHz 30 kHz SCS	8.58	36.95	25.03
56	64QAM	20.0 MHz 30 kHz SCS	8.61	37.19	25.26
57	64QAM	20.0 MHz 30 kHz SCS	8.84	37.31	25.30

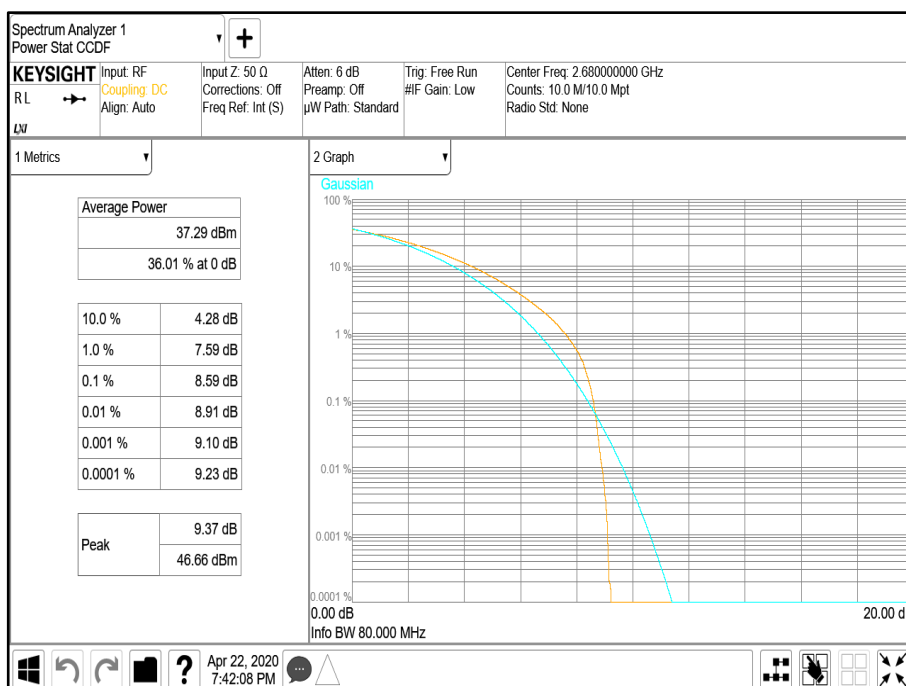


Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position T		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
58	64QAM	20.0 MHz 30 kHz SCS	8.68	37.13	25.39
59	64QAM	20.0 MHz 30 kHz SCS	8.79	37.21	25.35
60	64QAM	20.0 MHz 30 kHz SCS	8.72	36.99	25.19
61	64QAM	20.0 MHz 30 kHz SCS	-	37.23	25.16
62	64QAM	20.0 MHz 30 kHz SCS	8.72	37.11	25.34
63	64QAM	20.0 MHz 30 kHz SCS	8.51	37.02	25.12
Total			-	55.14	43.28
2	64QAM	40.0 MHz 30 kHz SCS	8.77	36.70	21.74
Total			-	6.70	-8.26
18	64QAM	60.0 MHz 30 kHz SCS	8.87	36.95	17.34
Total			-	6.95	-12.66
28	64QAM	80.0 MHz 30 kHz SCS	9.11	36.86	18.77
Total			-	6.86	-11.23
28	64QAM	100.0 MHz 30 kHz SCS	9.14	36.88	17.89
Total			-	6.88	-12.11

Remarks

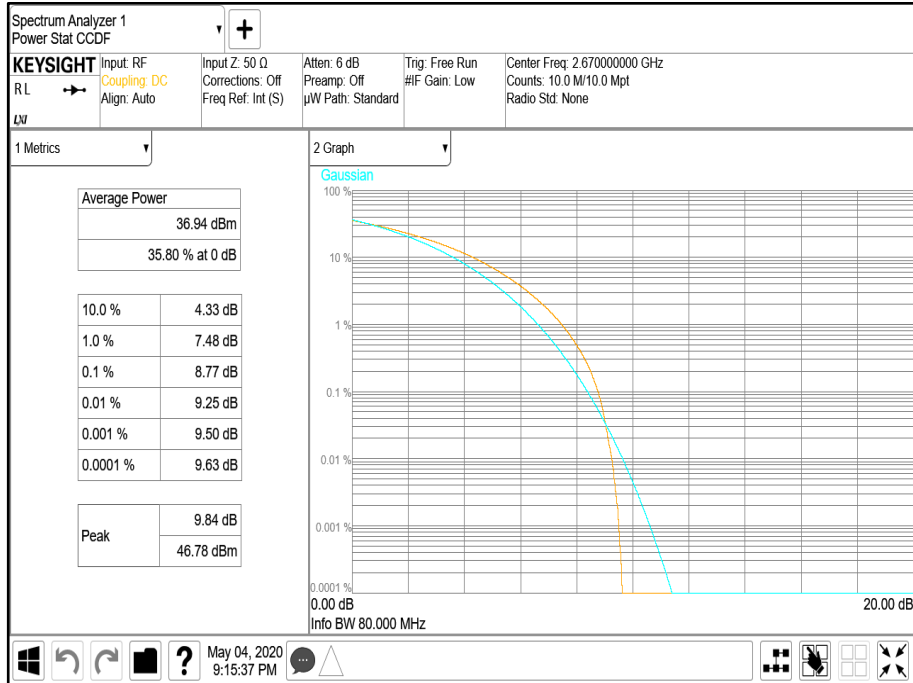
All transmitter antenna port performance is presented. The plot results are presented only for the port with the highest output power. Plot data performance for all transmitter ports are on file and available on request.

Antenna Port 10 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position T

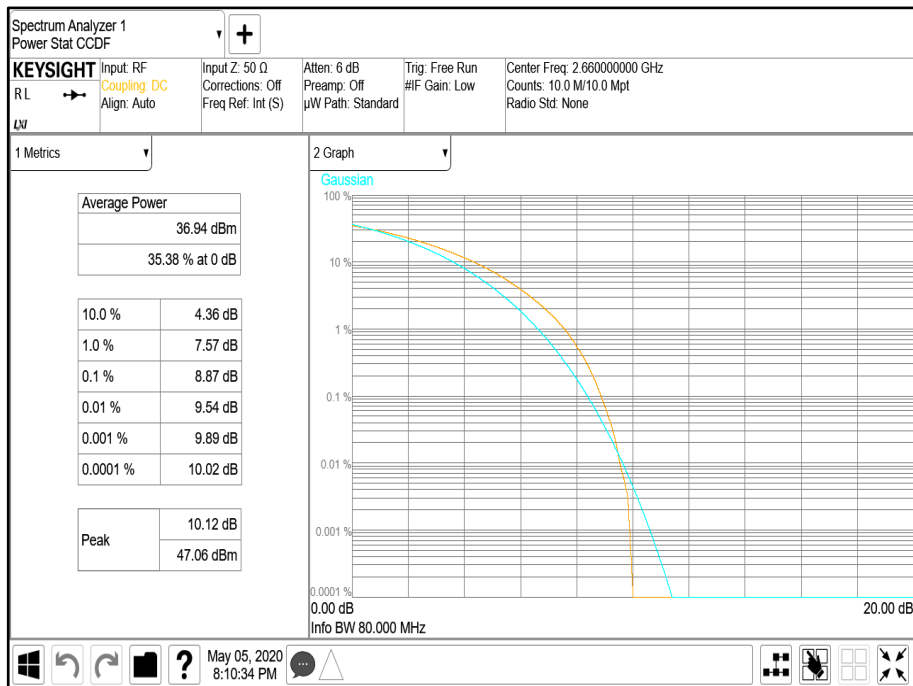




Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position T

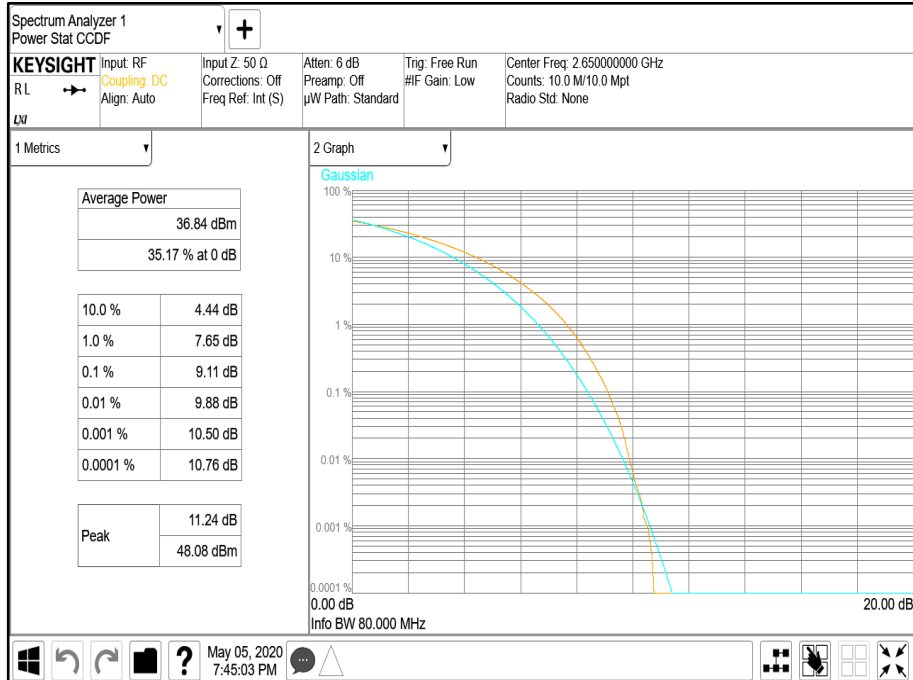


Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position T

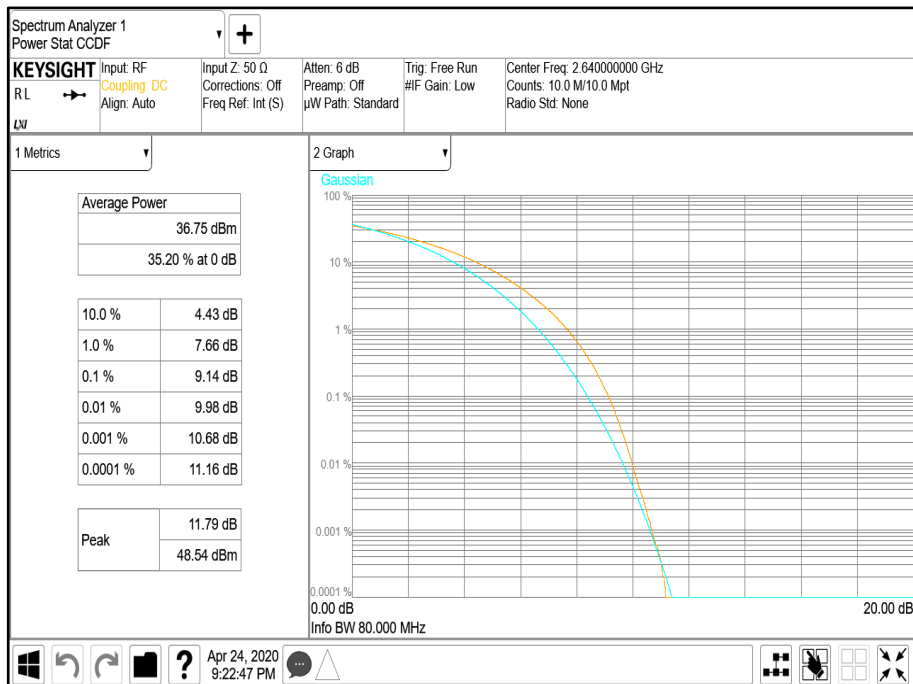




Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position T



Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position T



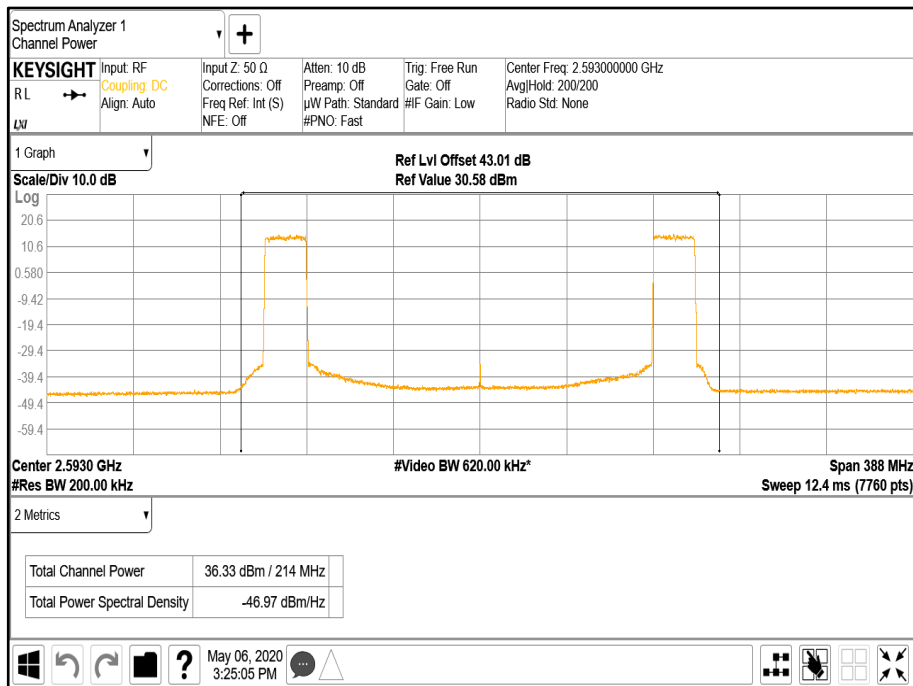


Configuration 5

Maximum Output Power 36.0 dBm

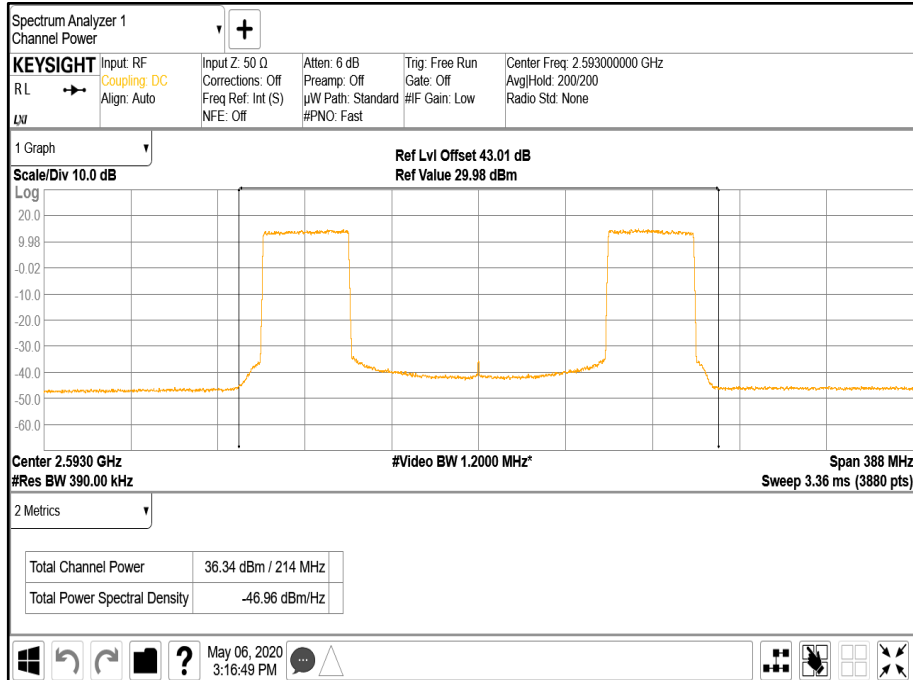
Antenna Port	NR Modulation	NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
34	64QAM	20.0 MHz 30 kHz SCS	-	36.33	21.68
Total			-	6.33	-8.32
2	64QAM	40.0 MHz 30 kHz SCS	-	36.34	18.50
Total			-	6.34	-11.50
18	64QAM	60.0 MHz 30 kHz SCS	-	36.58	16.62
Total			-	6.34	-11.50
28	64QAM	80.0 MHz 30 kHz SCS	-	36.51	15.41
Total			-	6.51	-14.59

Antenna Port 34 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position M

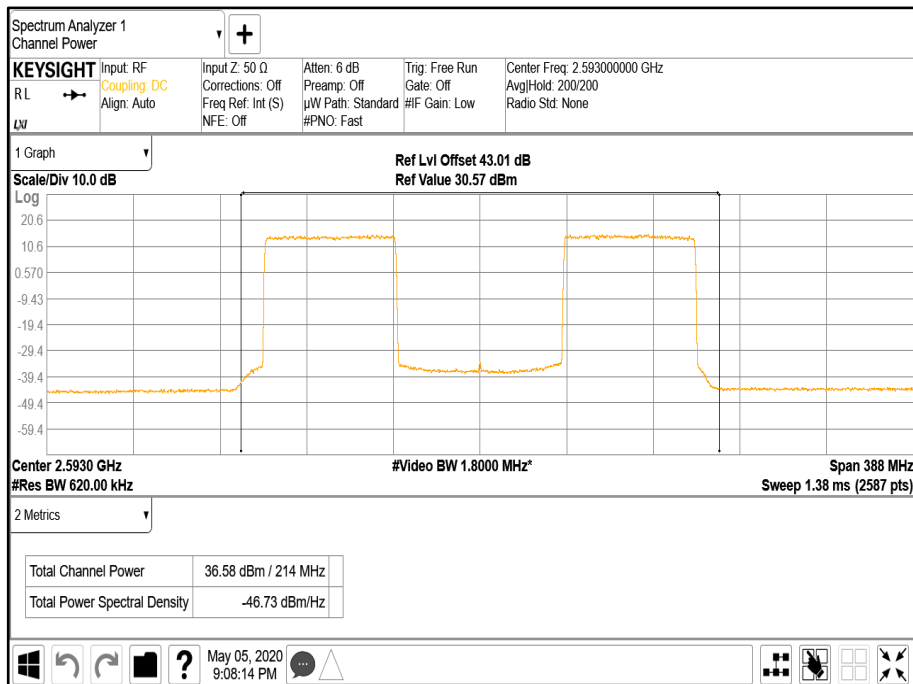




Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position M

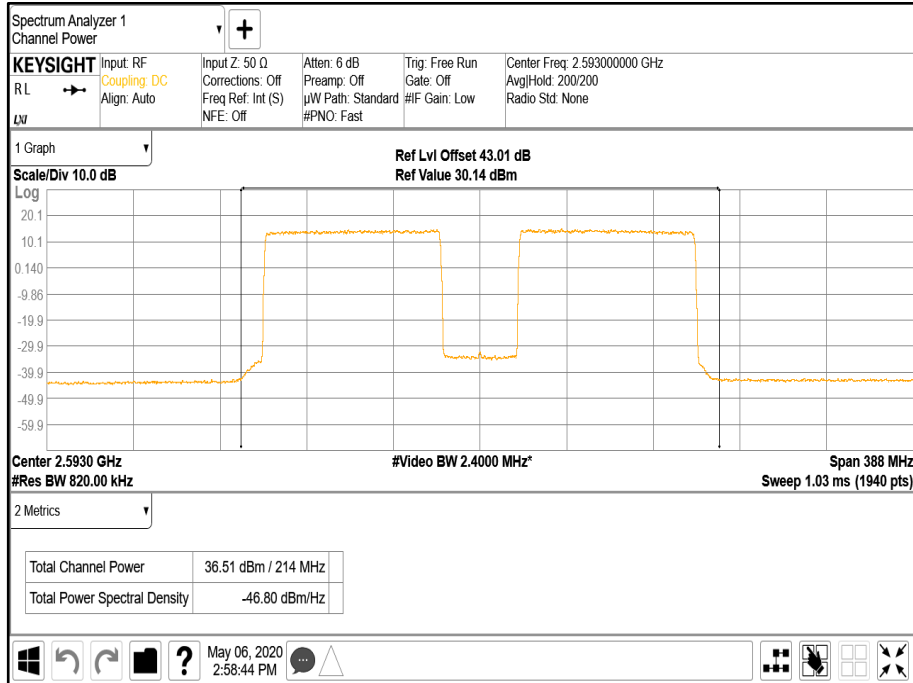


Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position M





Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position M



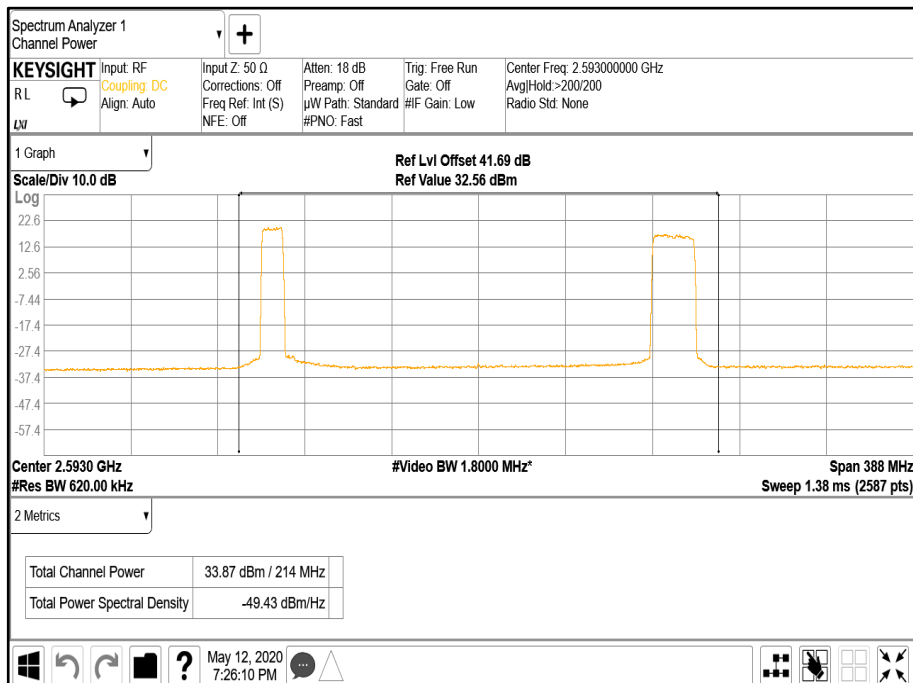


Configuration 7

Maximum Output Power 36.0 dBm

Antenna Port	LTE / NR Modulation	LTE / NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M_{RFBW}		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
34	64QAM / 64QAM	LTE 10.0 MHz + NR 20.0 MHz	-	33.87	21.41
Total			-	-0.60	-8.59

Antenna Port 34 - NR Modulation 64QAM / 64QAM - NR Carrier Bandwidth LTE 10.0 MHz + NR 20.0 MHz - Channel Position M



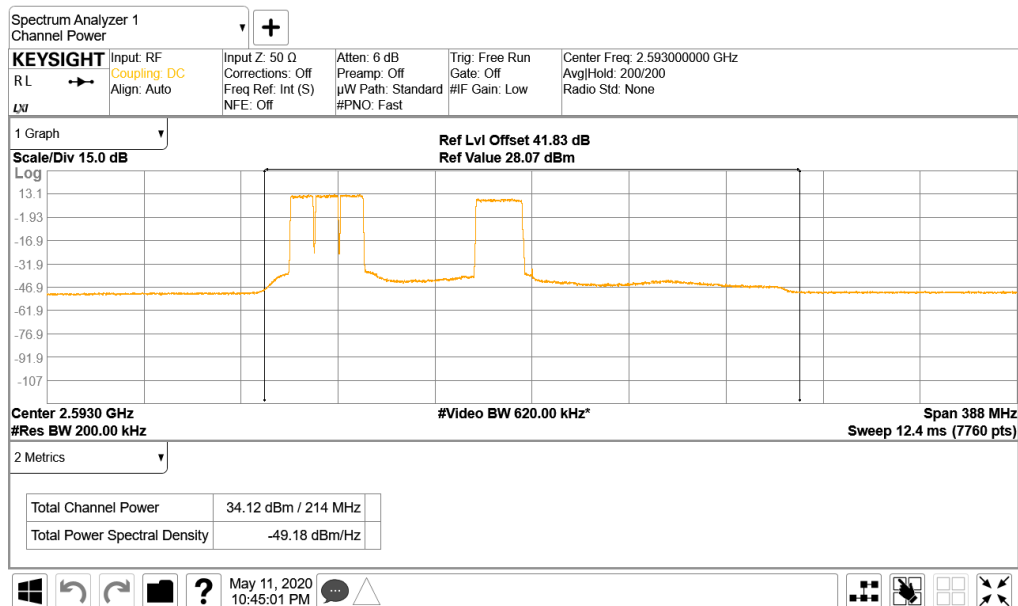


Configuration 8

Maximum Output Power 36.0 dBm

Antenna Port	LTE / NR Modulation	LTE / NR Carrier Bandwidth	Peak to Average Ratio (PAR) / Output Power		
			Channel Position M_{RFBW}		
			PAR (dB)	Average Power	
dBm	dBm/MHz				
34	64QAM / 64QAM	10.0 MHz +10.0 MHz+10.0 MHz +20.0 MHz	-	34.12	17.42
Total			-	-0.43	-8.58

Antenna Port 34 - LTE / NR Modulation 64QAM / 64QAM – LTE 10.0 MHz +10.0 MHz +10.0 MHz +NR 20.0 MHz - Channel Position M



Limit	
Peak Power	≤ 1640 W/MHz or $\leq +62.15$ dBm
Peak to Average Ratio	13 dB



2.2 OCCUPIED BANDWIDTH

2.2.1 Specification Reference

FCC CFR 47 Part 27, Clause 27.53
 FCC CFR 47 Part 2, Clause 2.1049

2.2.2 Date of Test and Modification State

07, 08, 11 and 12 May 2020 - Modification State 0

2.2.3 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.2.4 Environmental Conditions

Ambient Temperature 21.3 - 22.3°C
 Relative Humidity 30.2 - 31.7%

2.2.5 Test Method

All measurements were made in accordance with FCC KDB 971168 D01.

2.2.6 Test Results

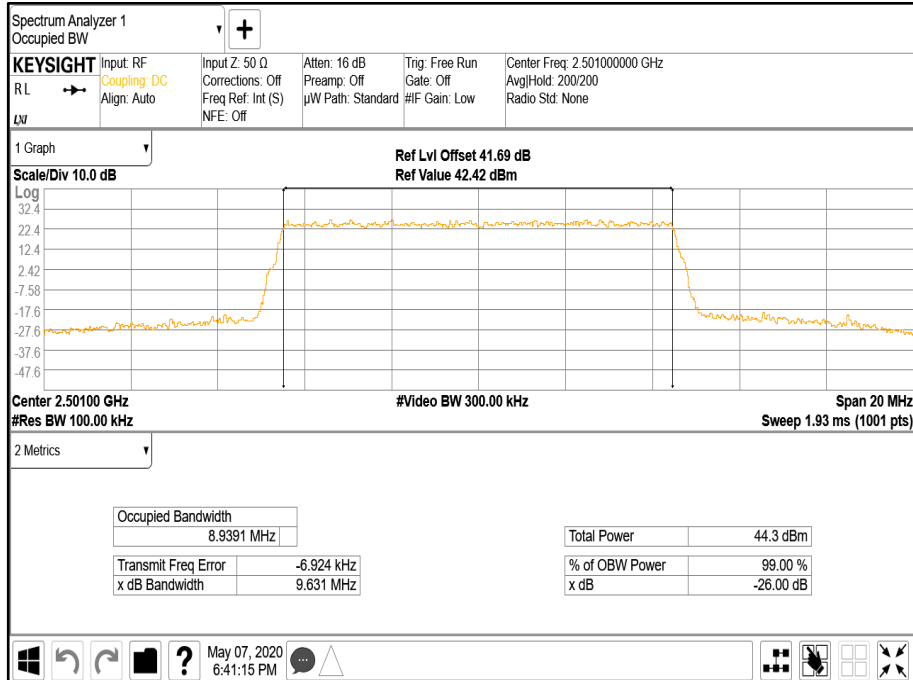
Configuration 1

Maximum Output Power 36.0 dBm

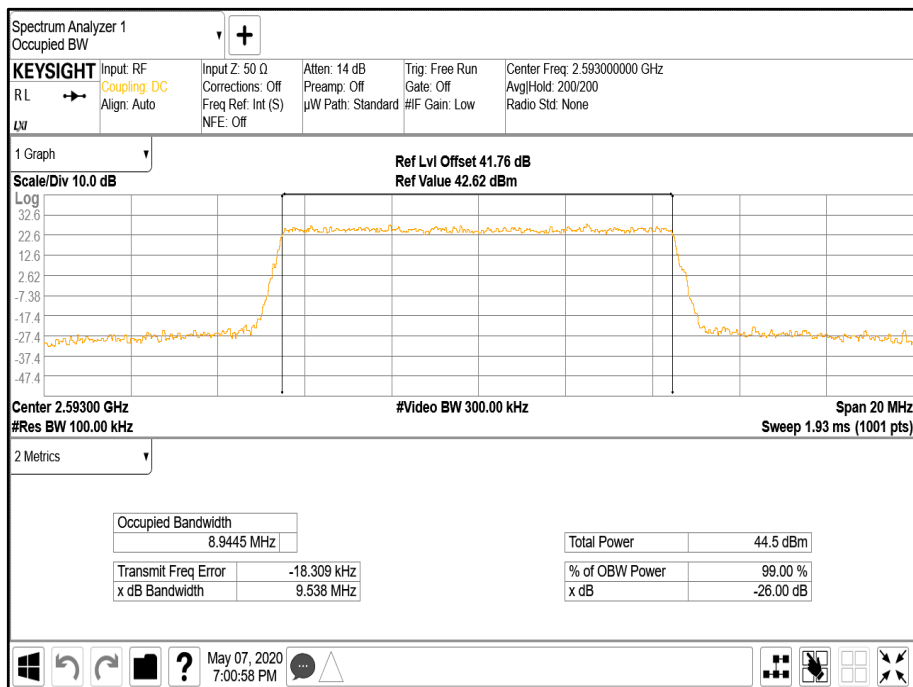
Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Result (KHz)					
			Channel Position B		Channel Position M		Channel Position T	
			Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
21	64QAM	10 MHz	8939.05	9630.79	-	-	-	-
34	64QAM	10 MHz	-	-	8944.46	9538.22	-	-
59	64QAM	10 MHz	-	-	-	-	8926.27	9575.08



Antenna Port 21 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10 MHz - Channel Position B

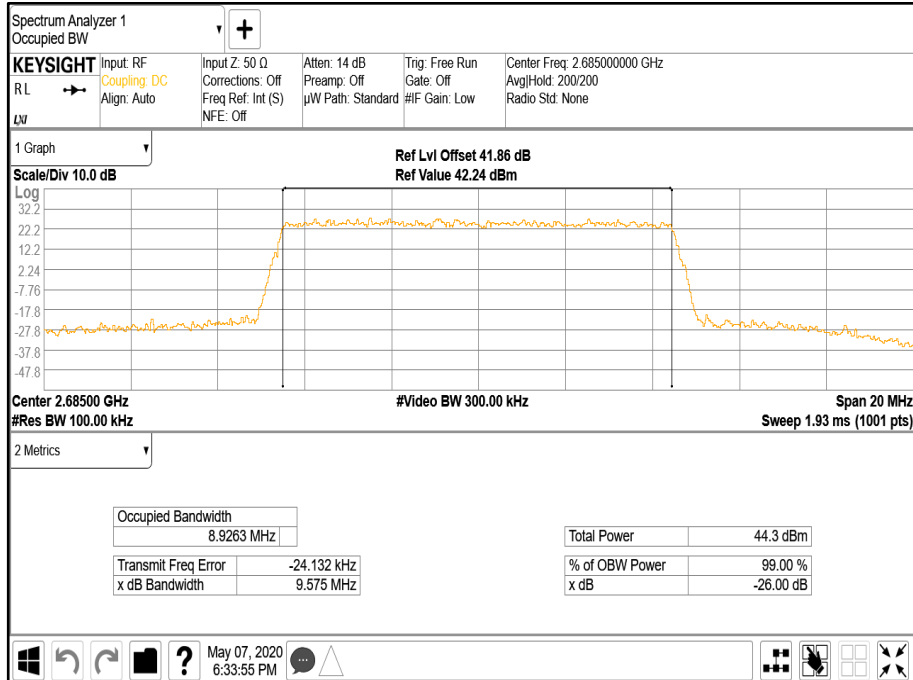


Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10 MHz - Channel Position M





Antenna Port 59 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10 MHz - Channel Position T



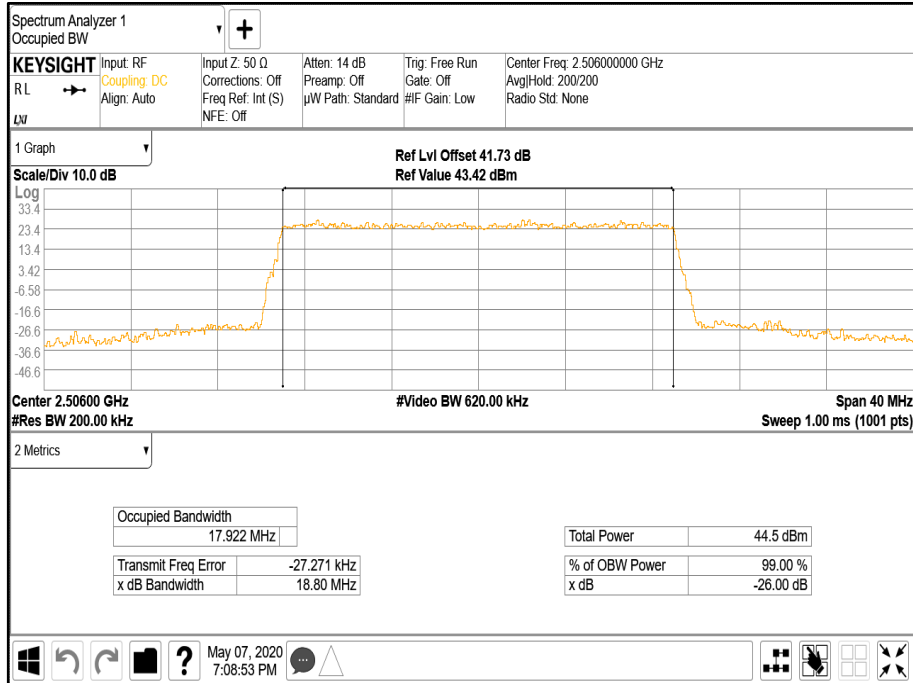
Configuration 1

Maximum Output Power 36.0 dBm

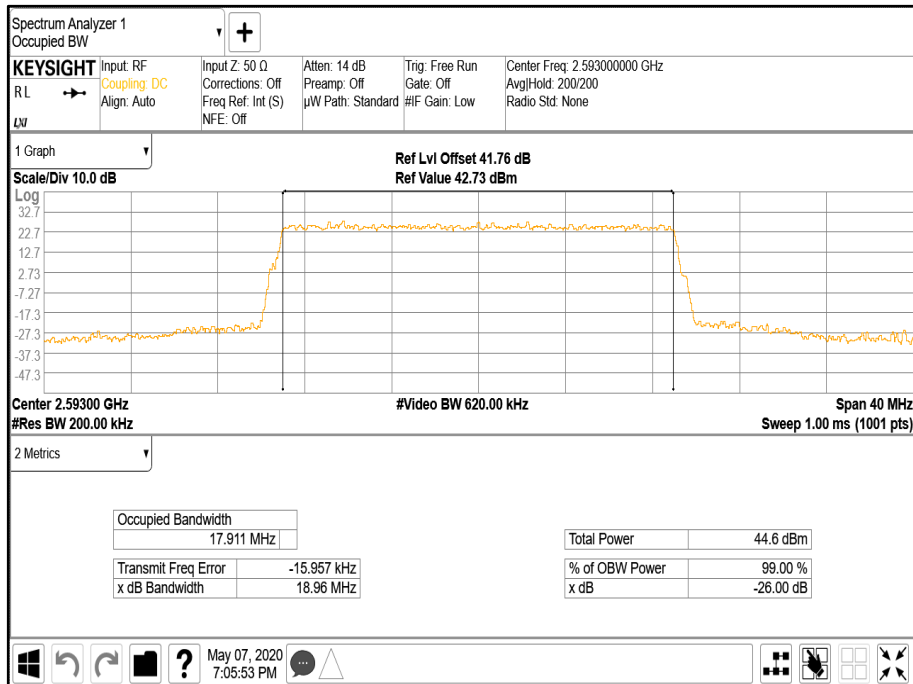
Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Result (KHz)					
			Channel Position B		Channel Position M		Channel Position T	
			Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
34	64QAM	20.0 MHz	17922.46	18804.96	-	-	-	-
34	64QAM	20.0 MHz	-	-	17911.18	18963.93	-	-
34	64QAM	20.0 MHz	-	-	-	-	17918.70	19074.24



Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B

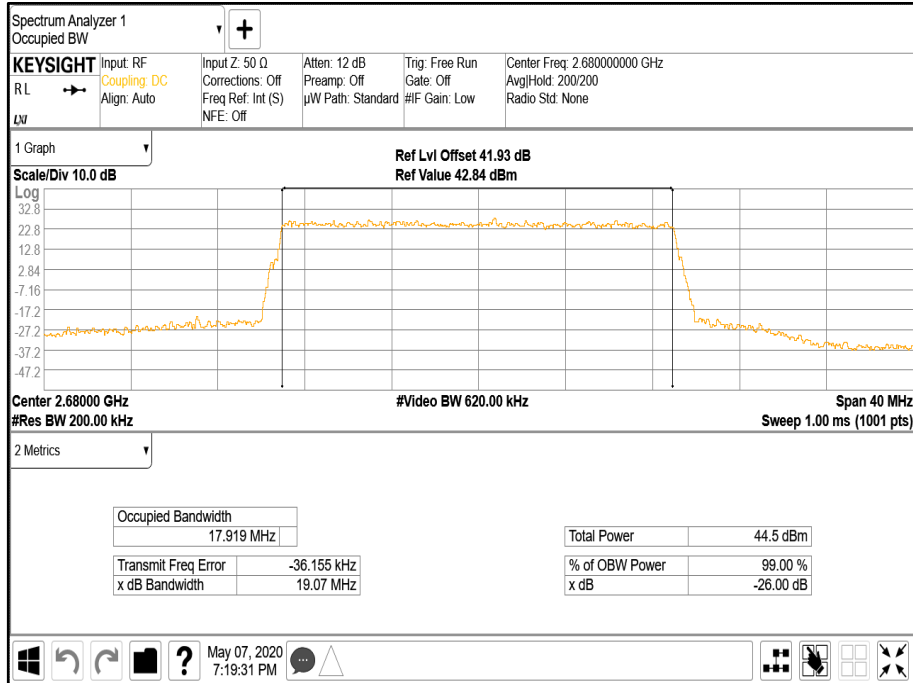


Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M





Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T



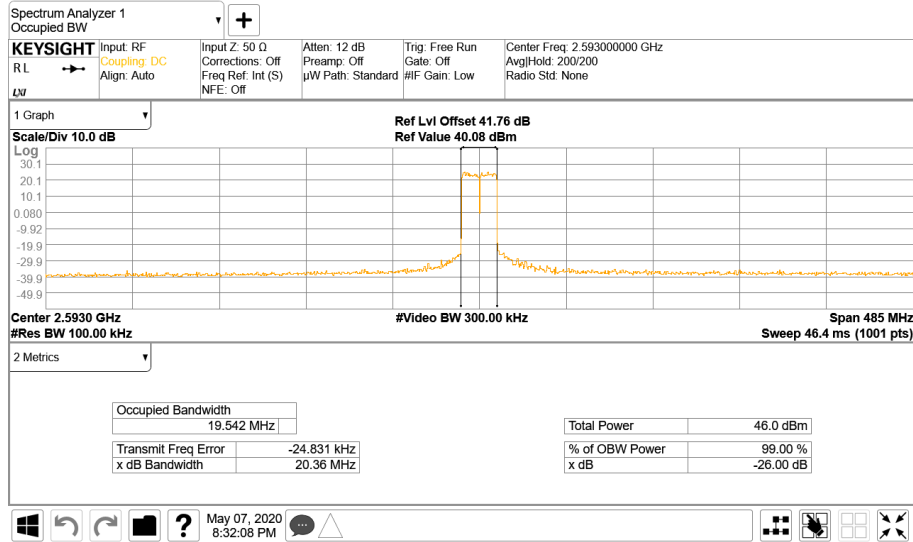
Configuration 2

Maximum Output Power 36.0 dBm

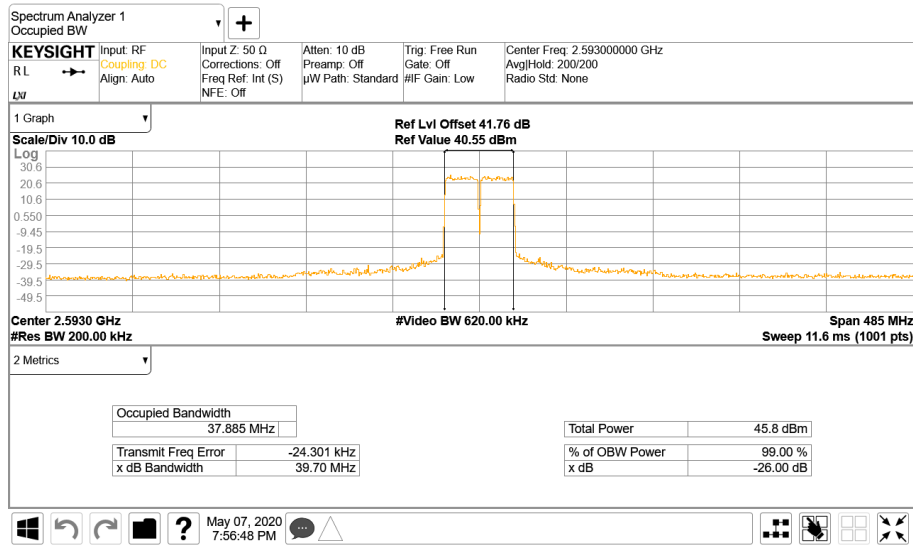
Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Result (KHz)	
			Channel Position M	
			Occupied Bandwidth	-26 dB Bandwidth
34	64QAM	10.0 MHz	19541.97	20363.81
34	64QAM	20.0 MHz	37884.75	39698.15



Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M



Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M



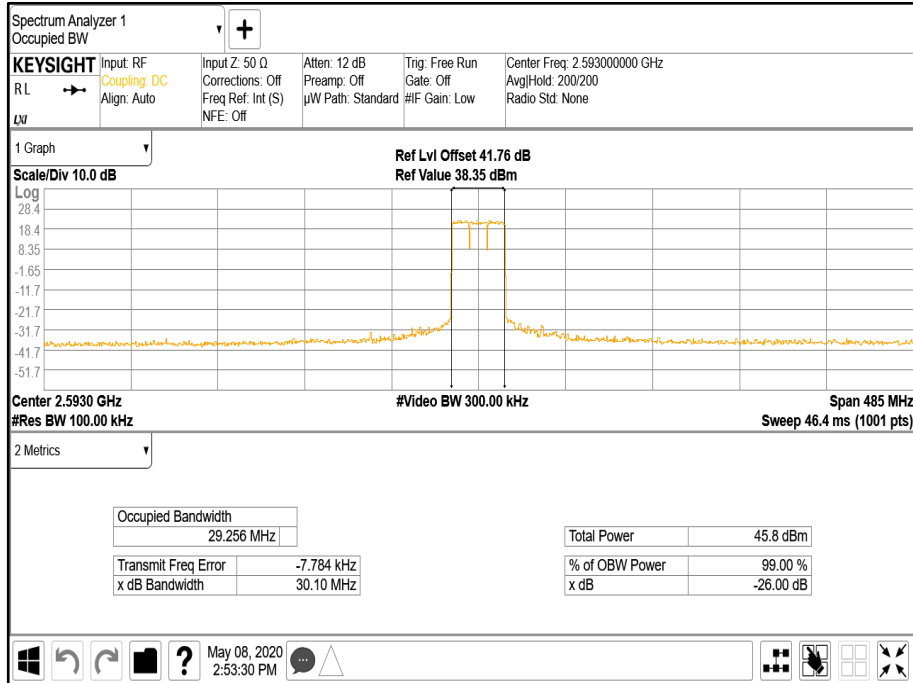
Configuration 3

Maximum Output Power 36.0 dBm

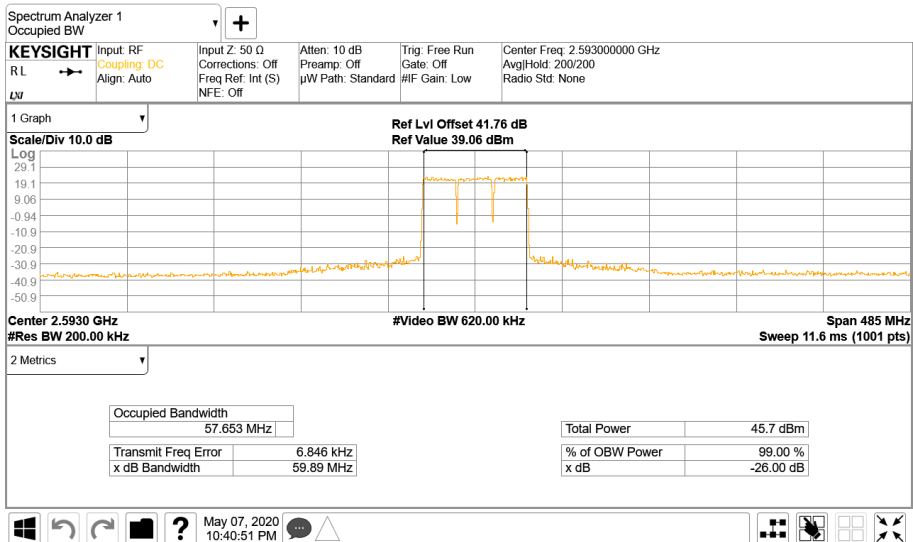
Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Result (KHz)	
			Channel Position M	
			Occupied Bandwidth	-26 dB Bandwidth
34	64QAM	10.0 MHz	29255.53	30098.21
34	64QAM	20.0 MHz	57653.03	59893.68



Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position M



Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position M



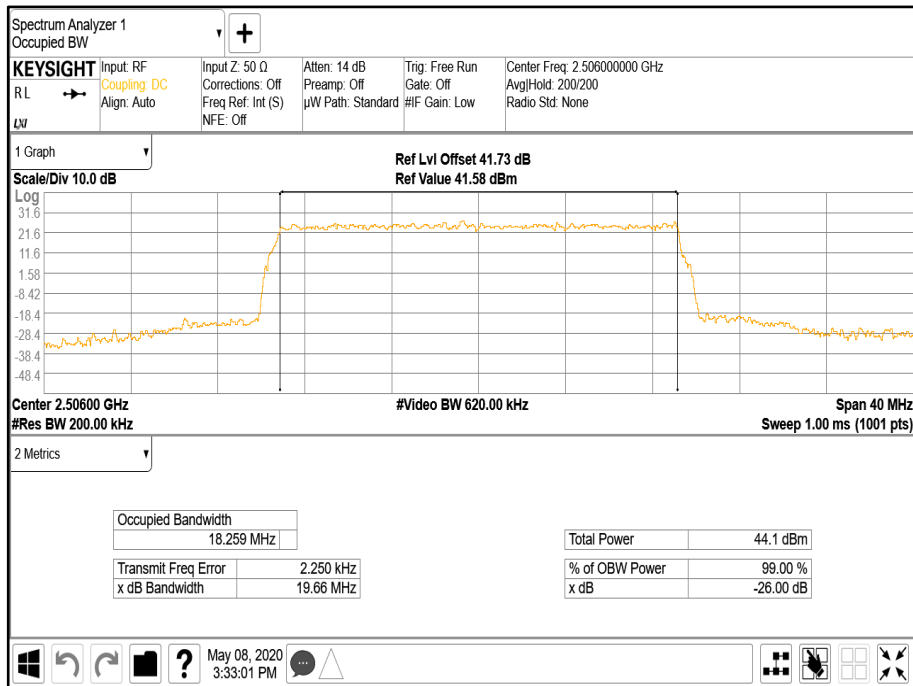


Configuration 4

Maximum Output Power 36.0 dBm

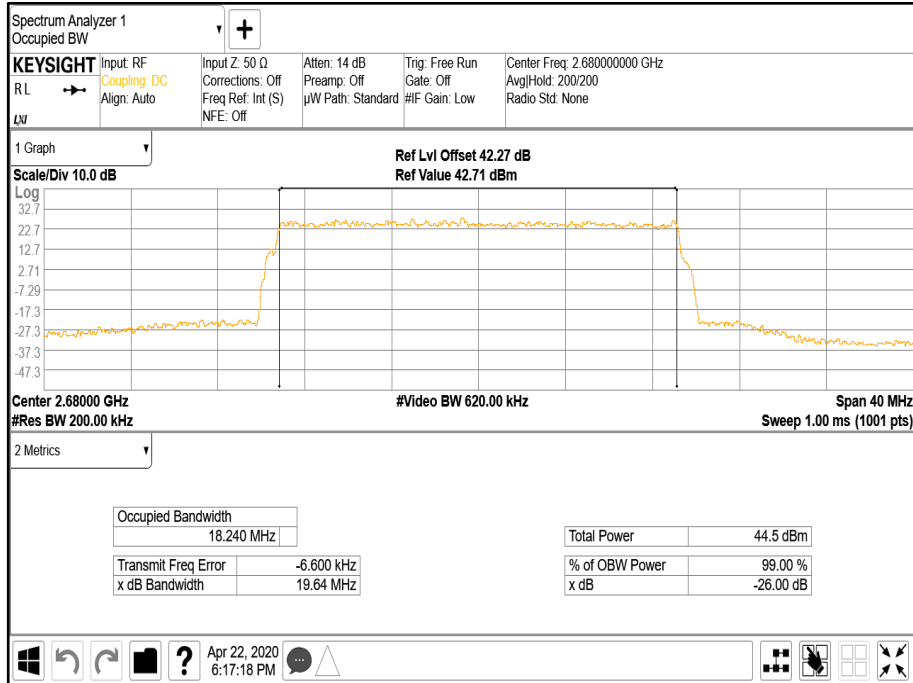
Antenna Port	NR Modulation	NR Carrier Bandwidth	Result (KHz)					
			Channel Position B		Channel Position M		Channel Position T	
			Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
17	64QAM	20.0 MHz 30 kHz SCS	18259.47	19664.91	18263.52	19613.65	18239.90	19636.56
2	64QAM	40.0 MHz 30 kHz SCS	37840.63	39804.88	37879.62	39864.28	37872.95	39720.08
18	64QAM	60.0 MHz 30 kHz SCS	57805.33	59812.82	57819.79	59833.28	57752.82	59787.97
28	64QAM	80.0 MHz 30 kHz SCS	77248.97	79959.34	77338.61	80125.13	77265.17	80040.64
28	64QAM	100.0 MHz 30 kHz SCS	97274.61	100626.30	97308.49	100587.30	97282.66	100554.50

Antenna Port 17 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position B

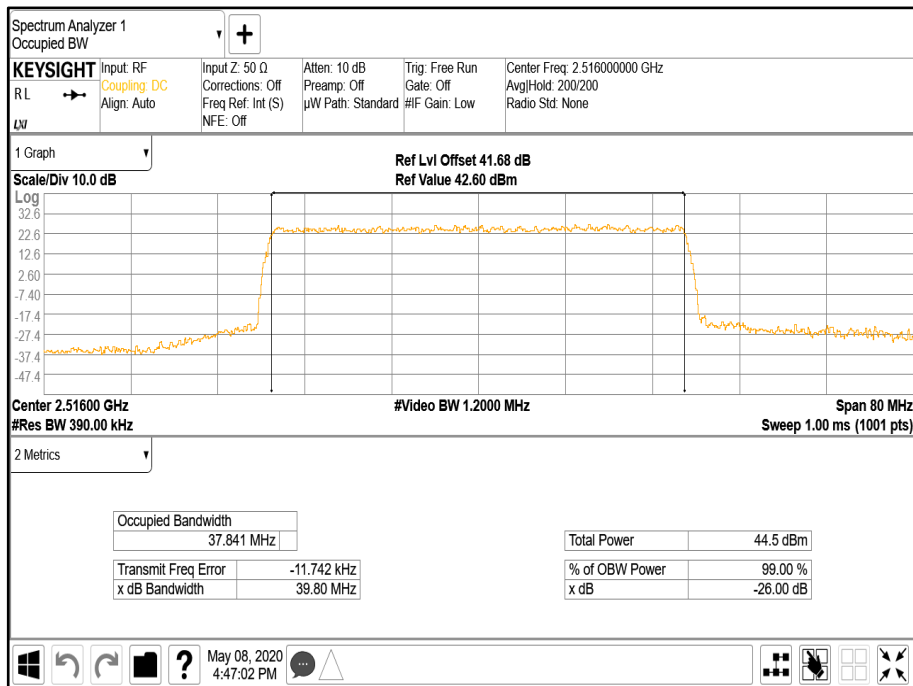




Antenna Port 17 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position T

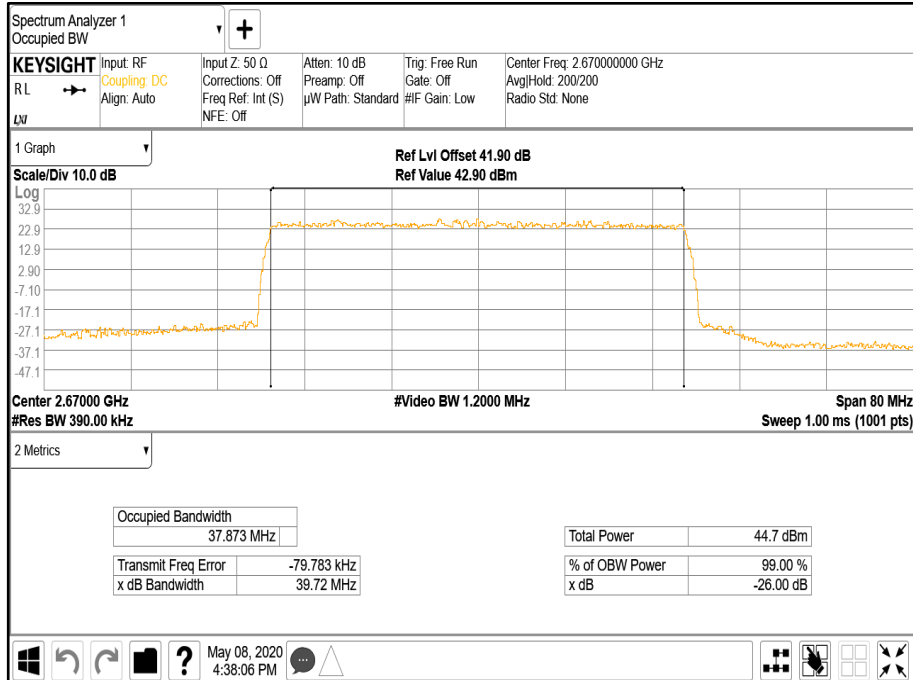


Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position B

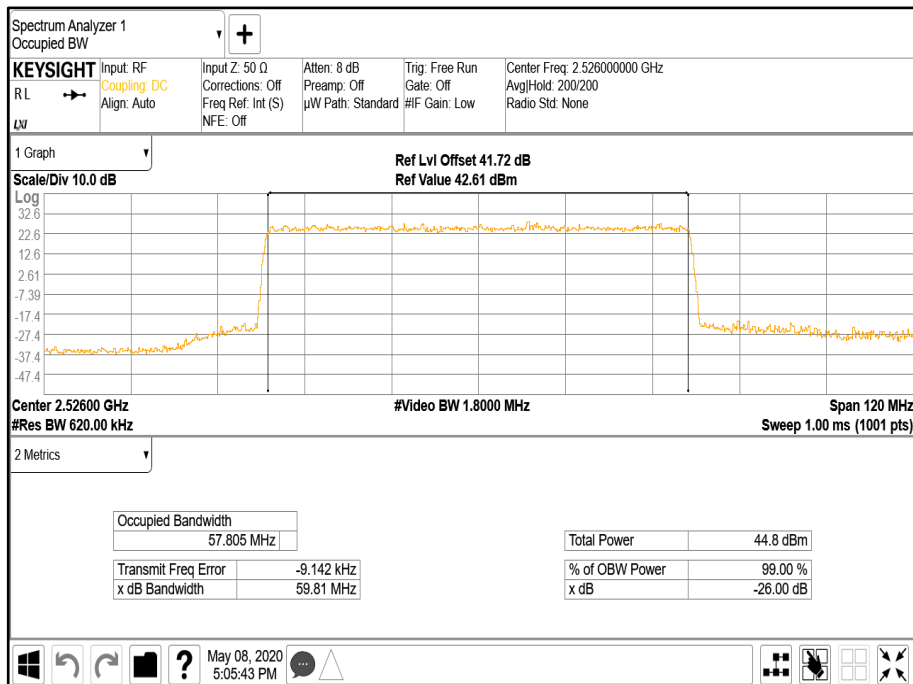




Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position T

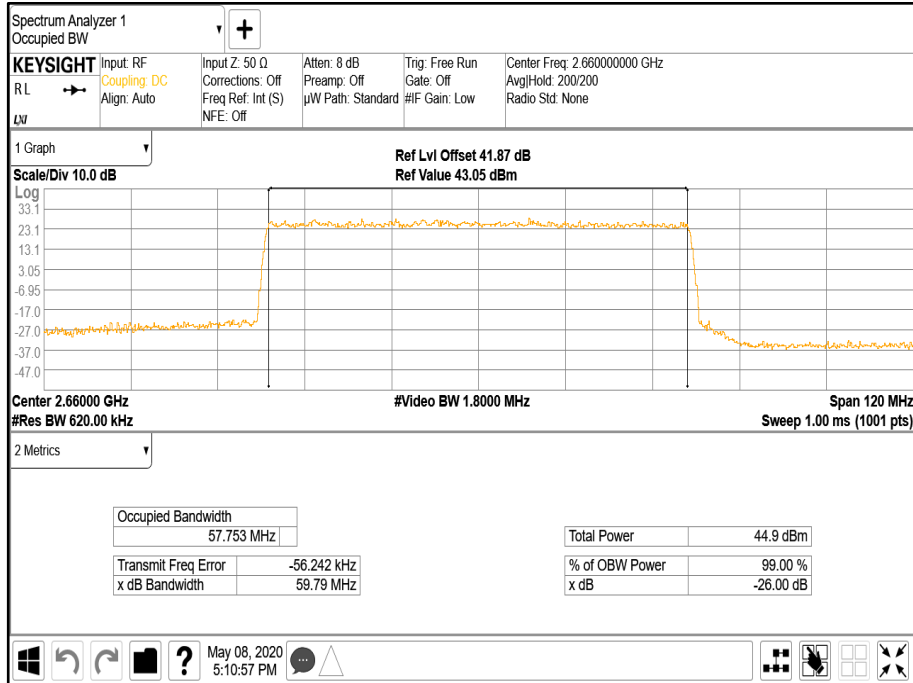


Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position B

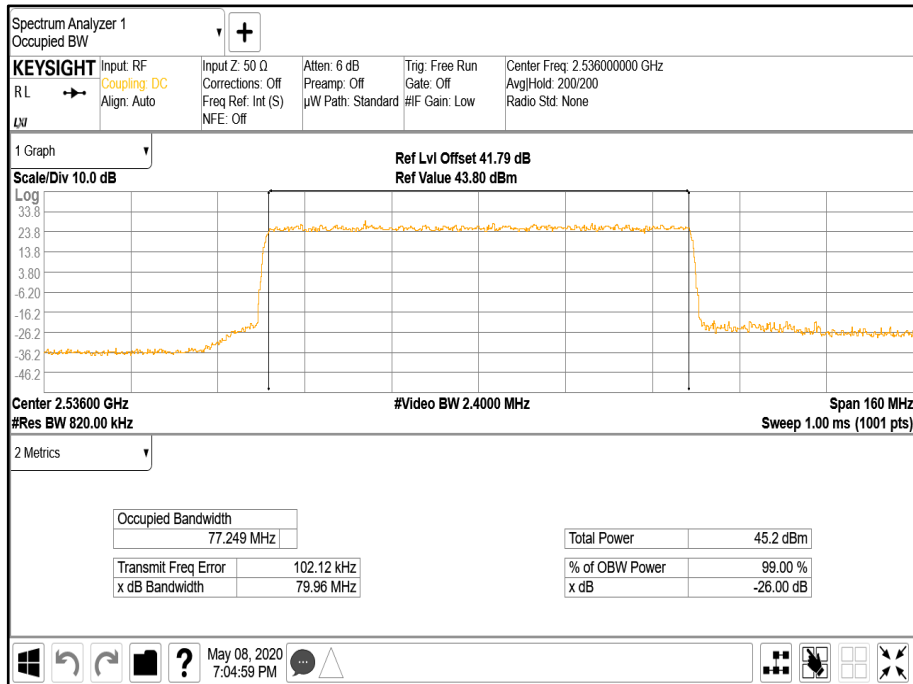




Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position T

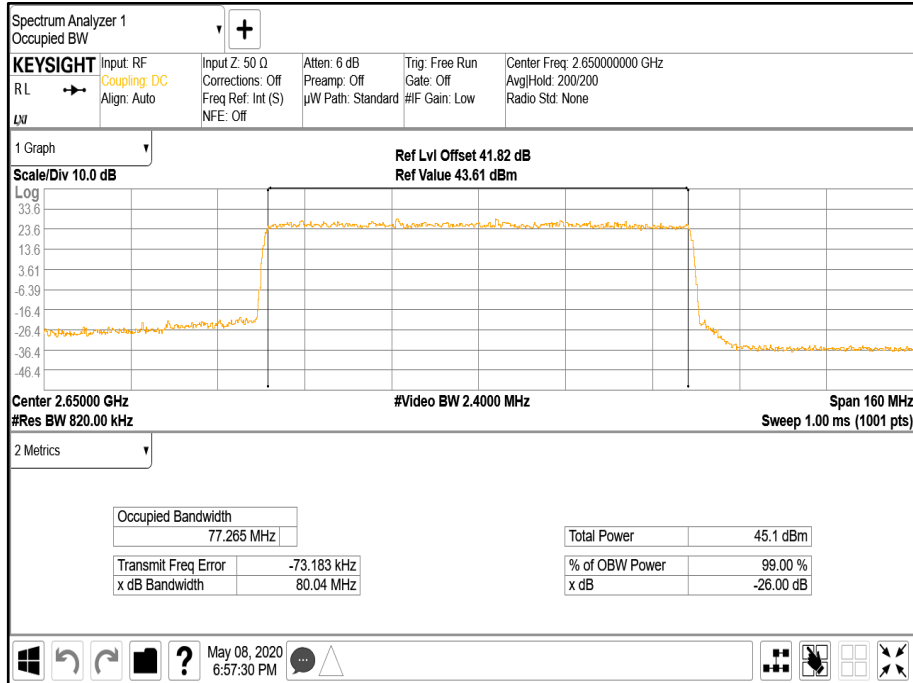


Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position B

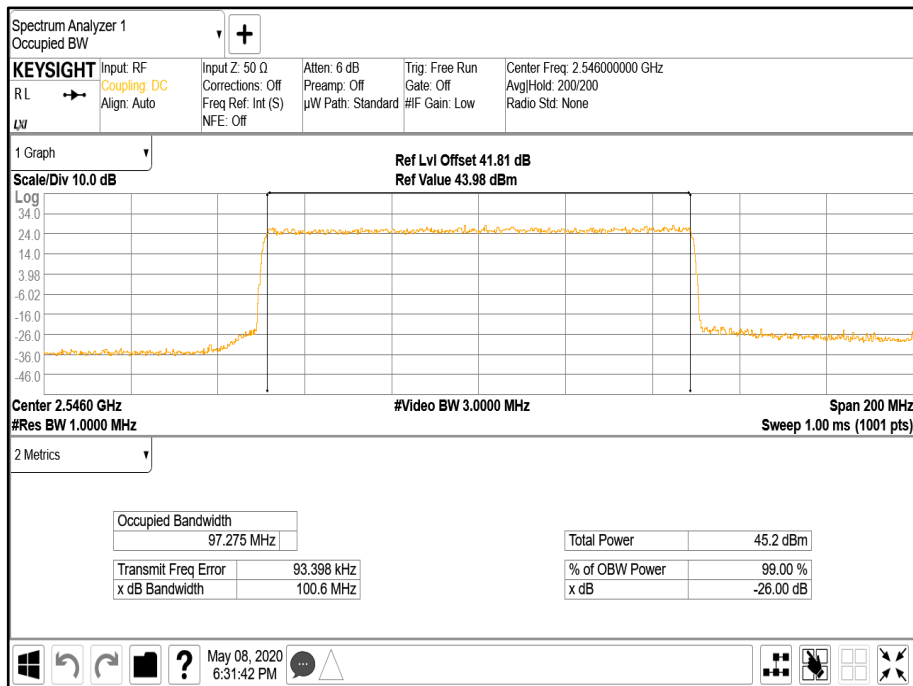




Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position T

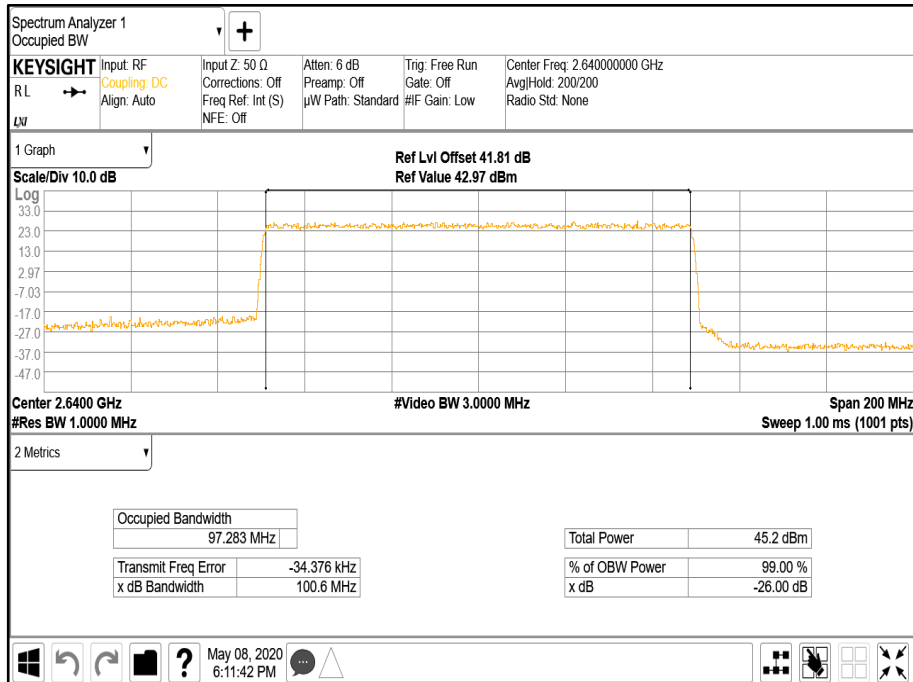


Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position B





Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position T



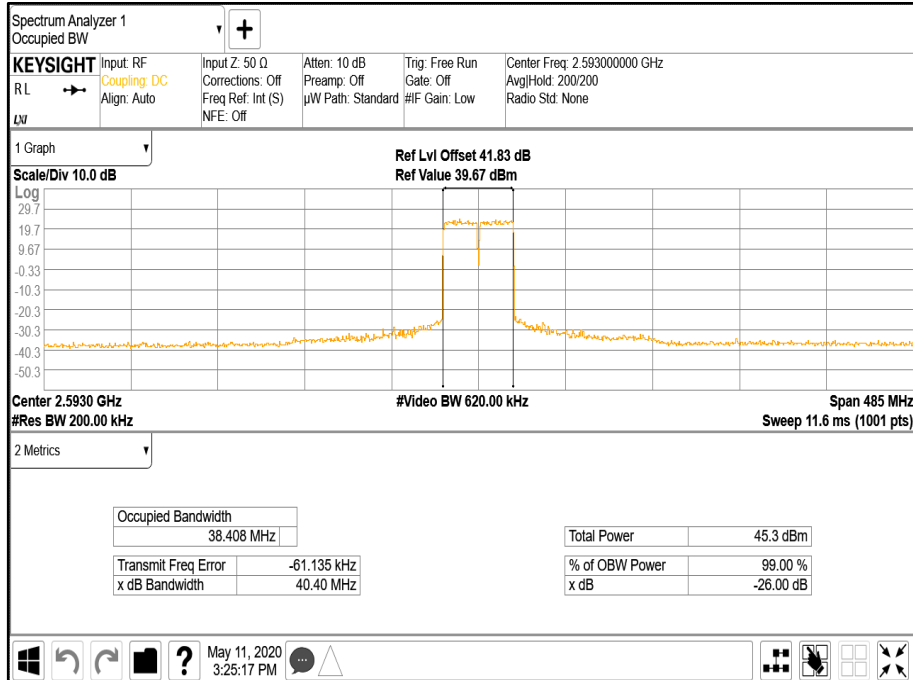
Configuration 5

Maximum Output Power 36.0 dBm

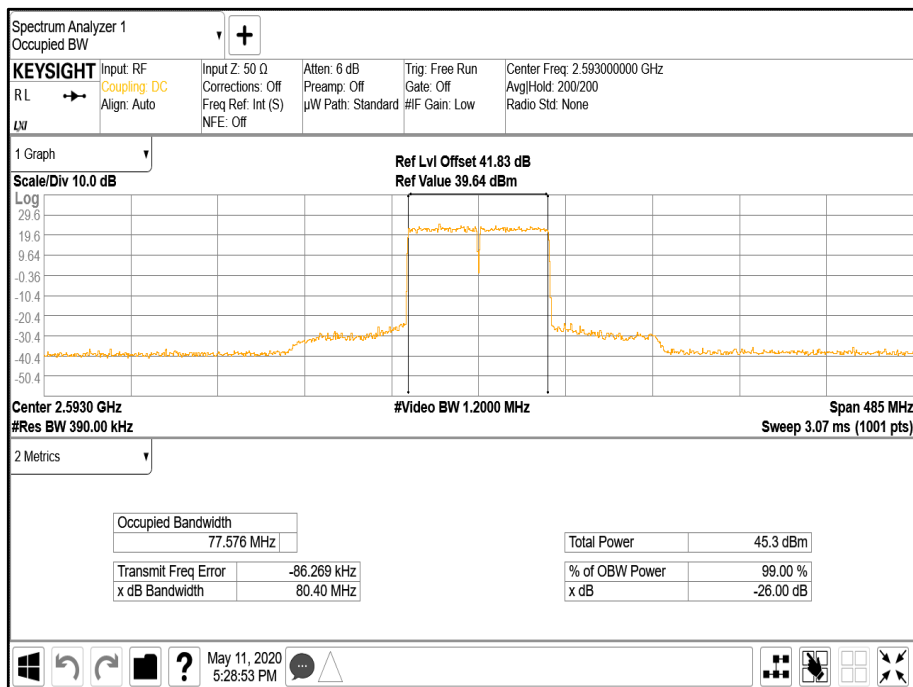
Antenna Port	NR Modulation	NR Carrier Bandwidth	Result (KHz)					
			Channel Position B		Channel Position M		Channel Position T	
			Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
34	64QAM	20.0 MHz 30 kHz SCS	-	-	38408.21	40397.22	-	-
2	64QAM	40.0 MHz 30 kHz SCS	-	-	77576.31	80401.55	-	-
18	64QAM	60.0 MHz 30 kHz SCS	-	-	117404.36	120614.03	-	-
28	64QAM	80.0 MHz 30 kHz SCS	-	-	156551.81	160740.49	-	-



Antenna Port 34 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position M

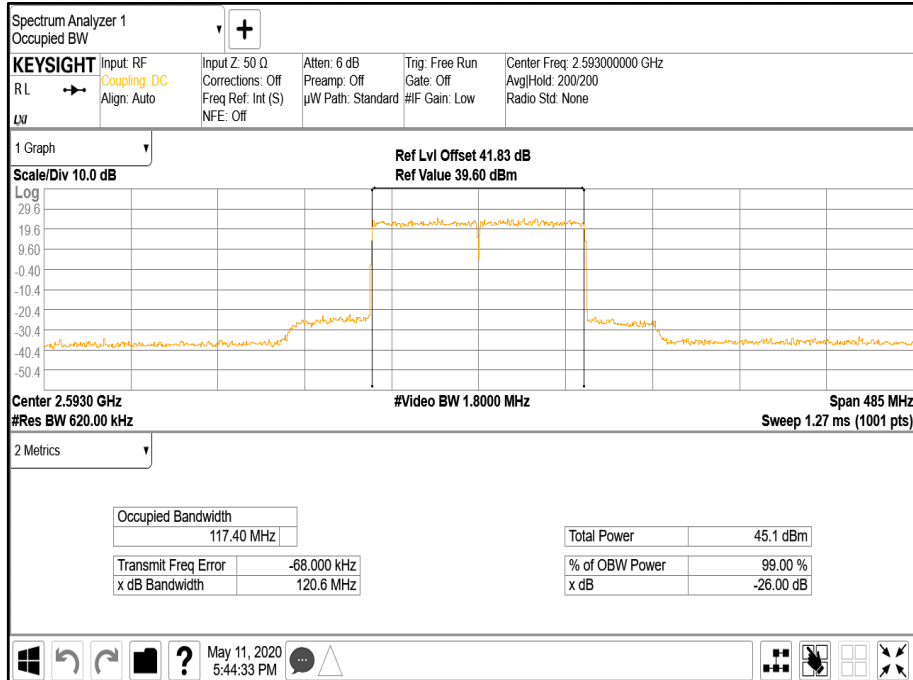


Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position M

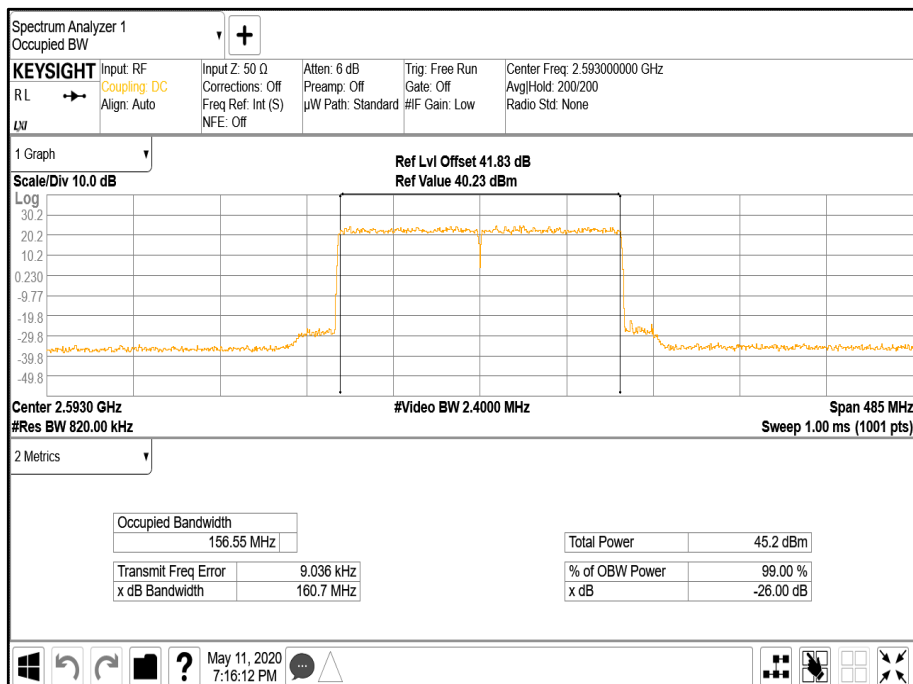




Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position M



Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position M



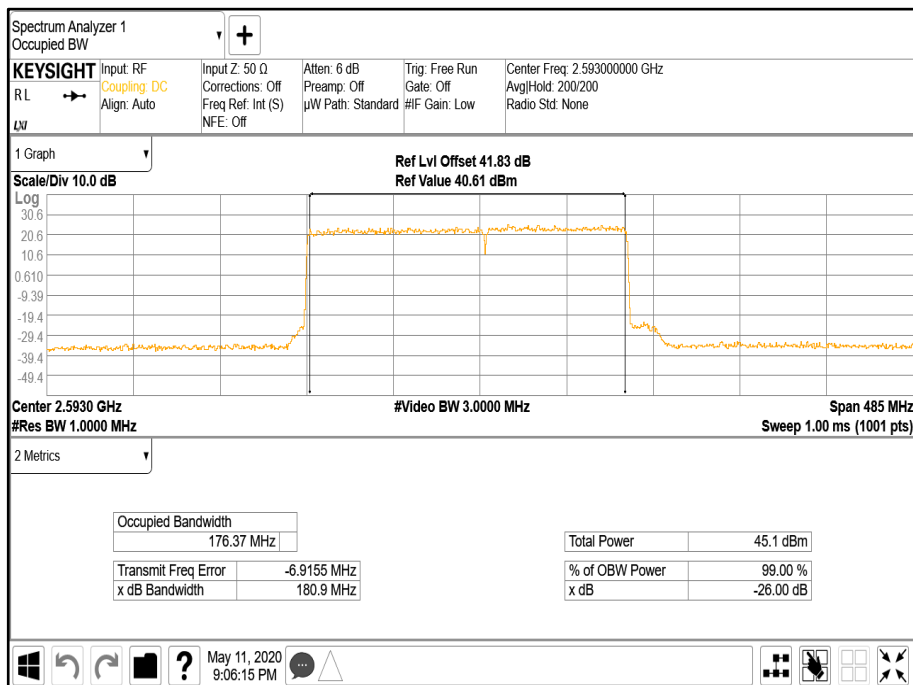


Configuration 6

Maximum Output Power 36.0 dBm

Antenna Port	NR Modulation	NR Carrier Bandwidth	Result (KHz)					
			Channel Position B		Channel Position M		Channel Position T	
			Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth	Occupied Bandwidth	-26 dB Bandwidth
28	64QAM	100.0 + 80 MHz 30 kHz SCS	-	-	176368.2 4	180871.6 3	-	-

Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 100.0 + 80 MHz 30 kHz SCS - Channel Position M





2.3 BAND EDGE

2.3.1 Specification Reference

FCC CFR 47 Part 27, Clause 27.53 (h)
FCC CFR 47 Part 2, Clause 2.1051

2.3.2 Date of Test and Modification State

07,08, 11, 12 and 22 May 2020 - Modification State 0

2.3.3 Test Method

All measurements were made in accordance with FCC KDB 971168 D01.

Each antenna port has been declared as being equivalent, therefore measurements were made on one antenna port only. To account for this, the limit was tightened by $10 * \text{Log}(N)$, where N is equal to the number of MIMO antenna ports.

For single port, the limit was calculated as being $-13 \text{ dBm} - 10 * \text{Log}(1) = -16 \text{ dBm}$.

For 64 port, the limit was calculated as being $-13 \text{ dBm} - 10 * \text{Log}(64) = -31.06 \text{ dBm}$.

2.3.4 Test Equipment Used

The major items of test equipment used for the above tests are identified in Section 3.1.

2.3.5 Environmental Conditions

Ambient Temperature 21.3 - 22.5°C
Relative Humidity 30.0 - 31.7%

2.3.6 Test Results

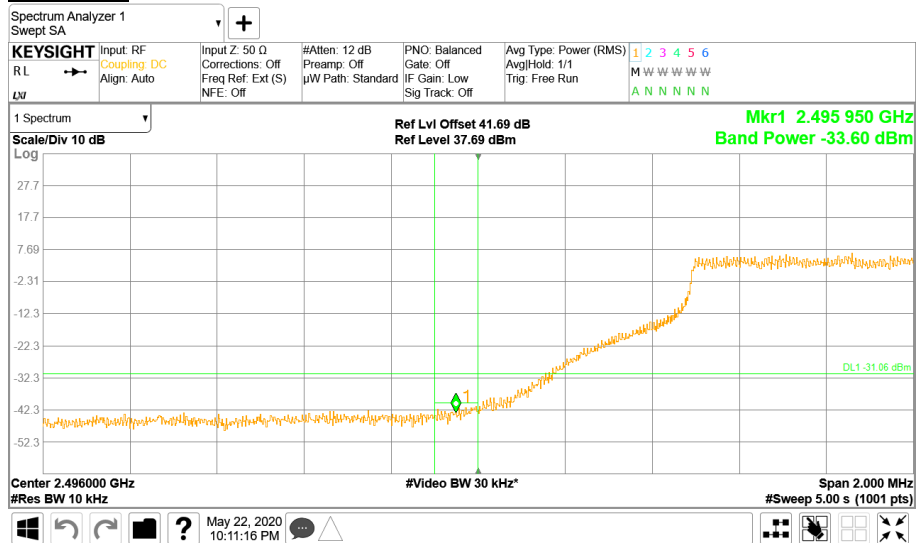
Configuration 1

Maximum Output Power 36.0 dBm

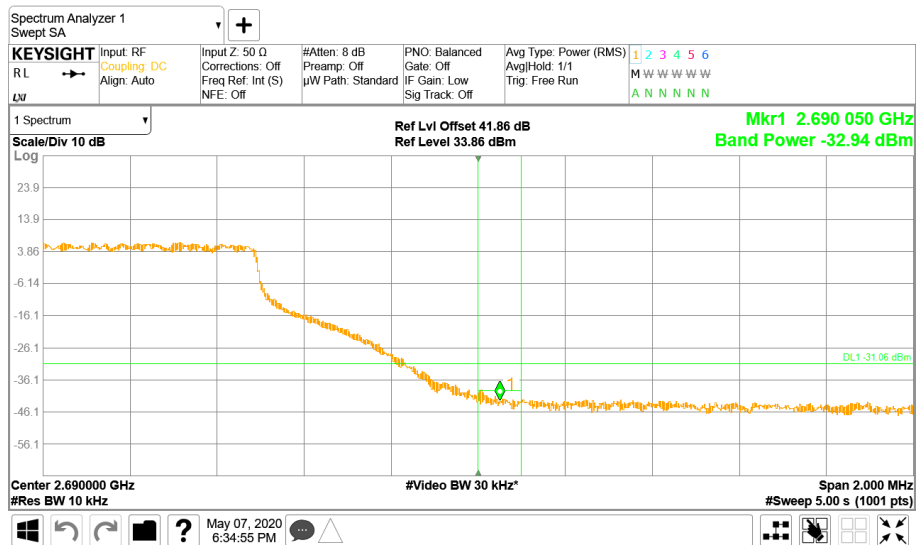
Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Band Edge (MHz)	
			Channel Position B	Channel Position T
21	64QAM	10.0 MHz	2501	-
59	64QAM	10.0 MHz	-	2685
34	64QAM	20.0 MHz	2506	2680



Antenna Port 21 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position B

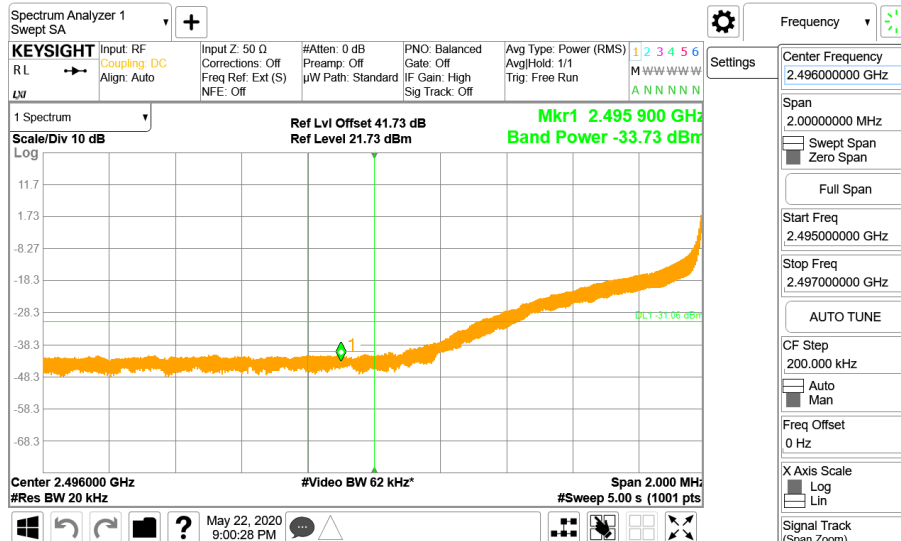


Antenna Port 59 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position T

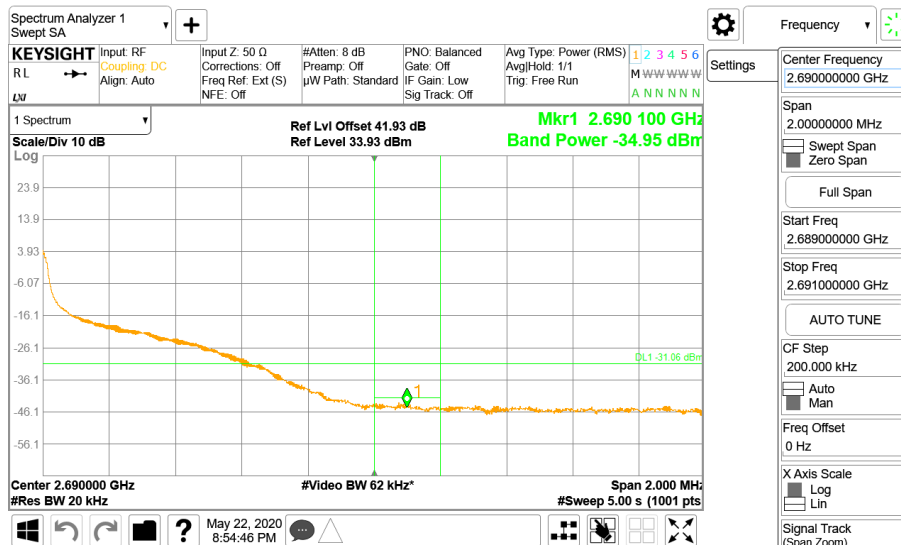




Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B



Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T



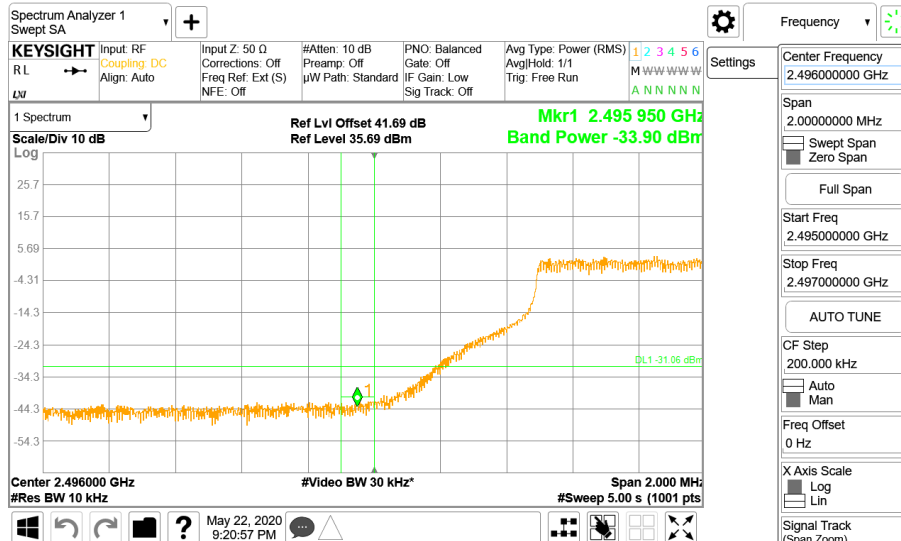
Configuration 2

Maximum Output Power 36.0 dBm

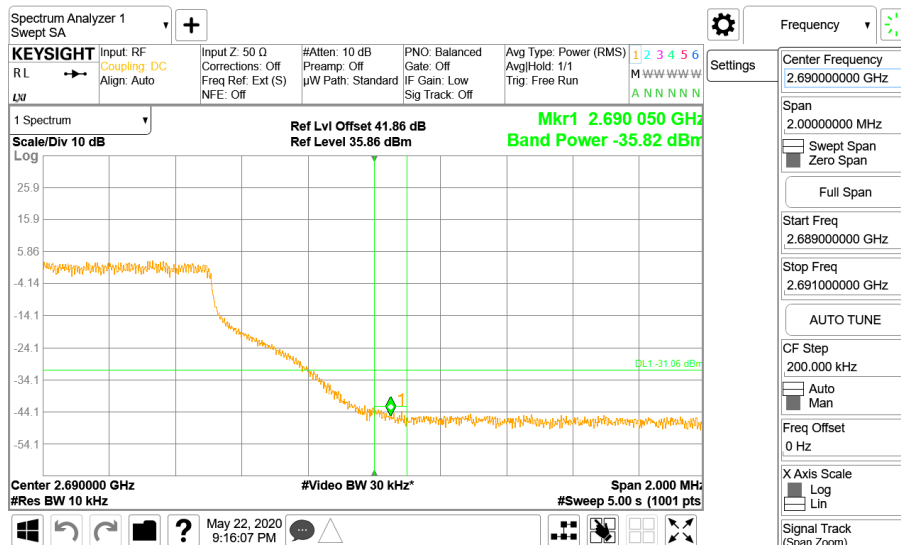
Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Band Edge (MHz)	
			Channel Position B	Channel Position T
21	64QAM	10.0 MHz	2501 + 2511	
59	64QAM	10.0 MHz		2675 + 2685
34	64QAM	20.0 MHz	2506 + 2526	2660 + 2680



Antenna Port 21 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position B

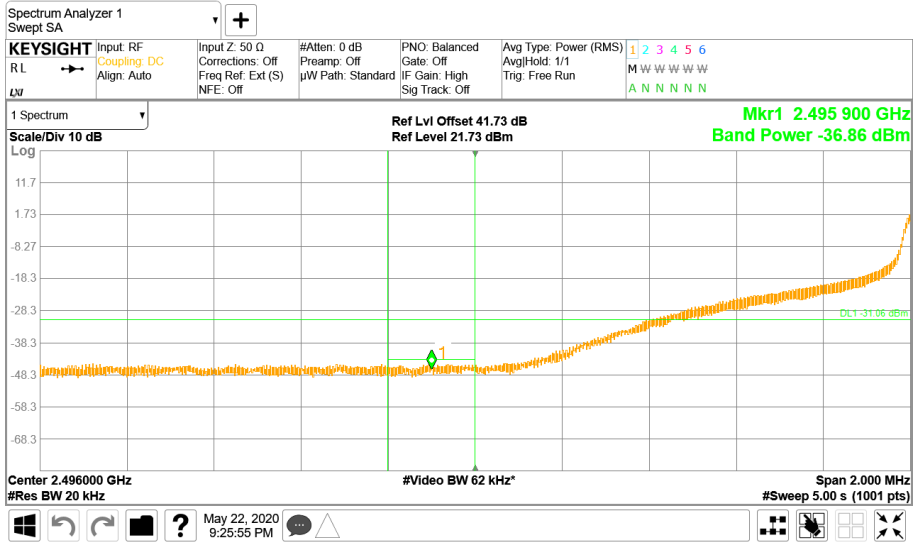


Antenna Port 59 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T

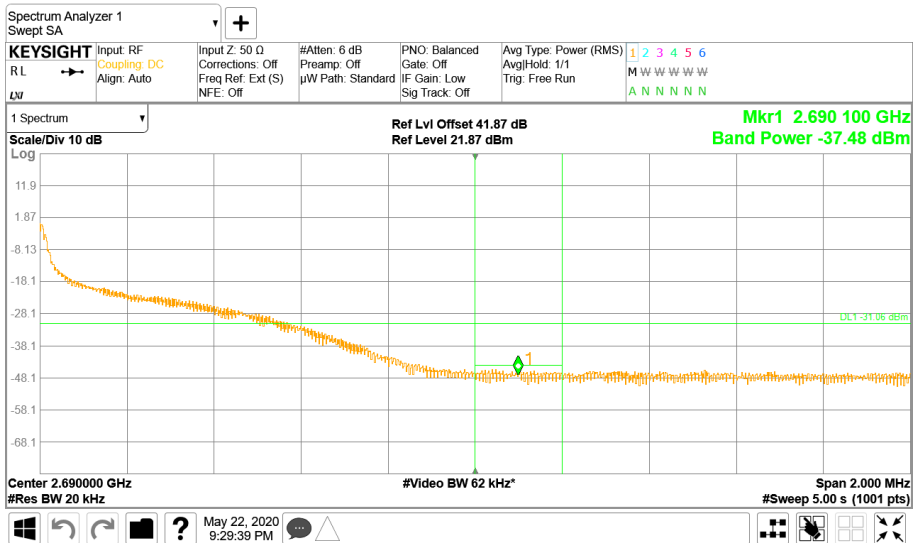




Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B



Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T



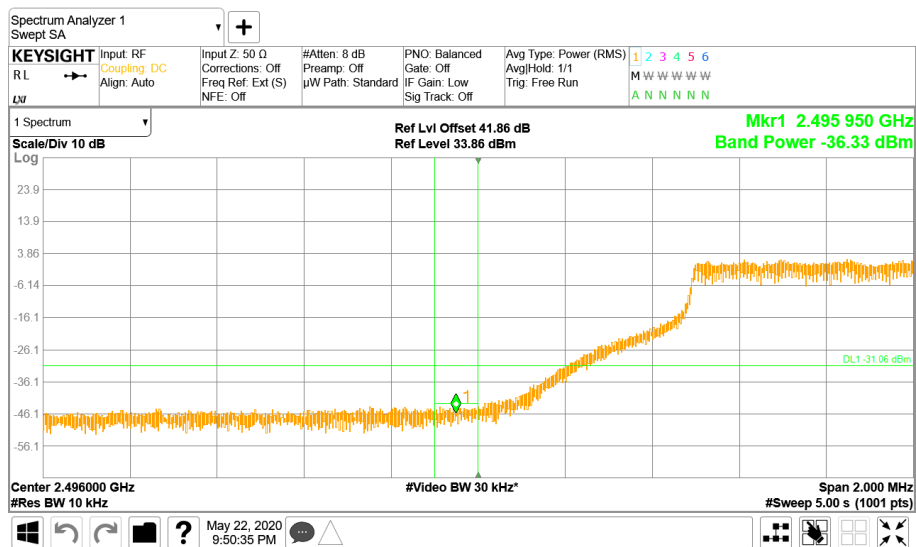


Configuration 3

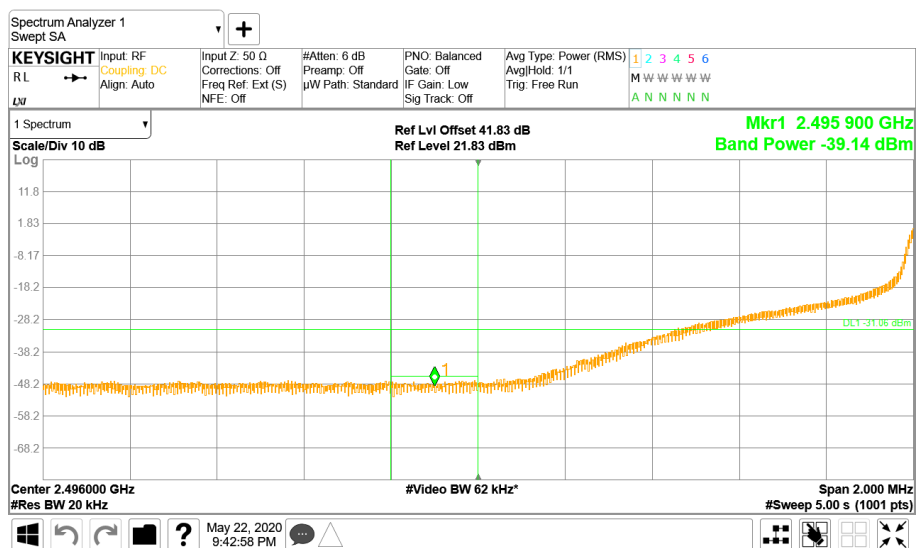
Maximum Output Power 36.0 dBm

Antenna Port	LTE Modulation	LTE Carrier Bandwidth	Band Edge (MHz)	
			Channel Position B	Channel Position T
21	64QAM	10.0 MHz	2501 + 2511 + 2521	-
59.0	64QAM	10.0 MHz	-	2665 + 2675 + 2685
34.0	64QAM	20.0 MHz	2506 + 2526 + 2546	2640 + 2660 + 2680

Antenna Port 21 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position B

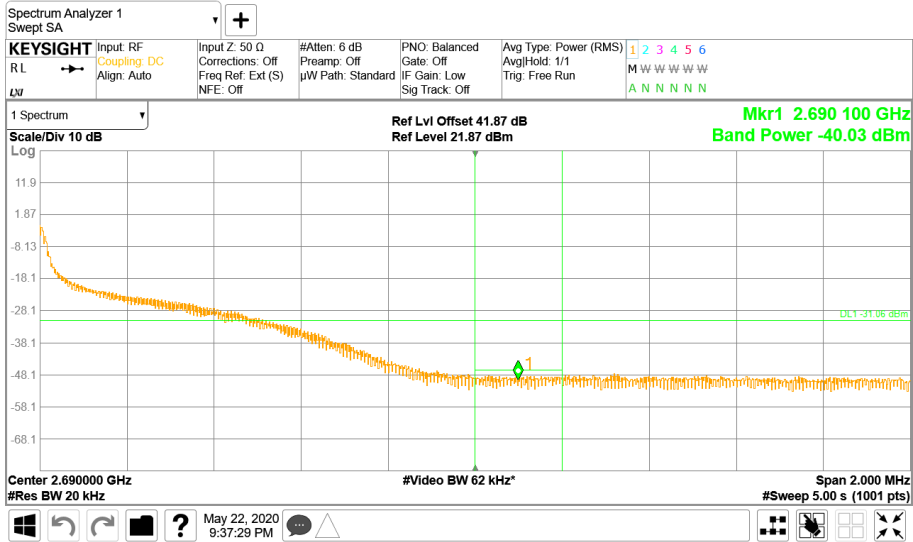


Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position B

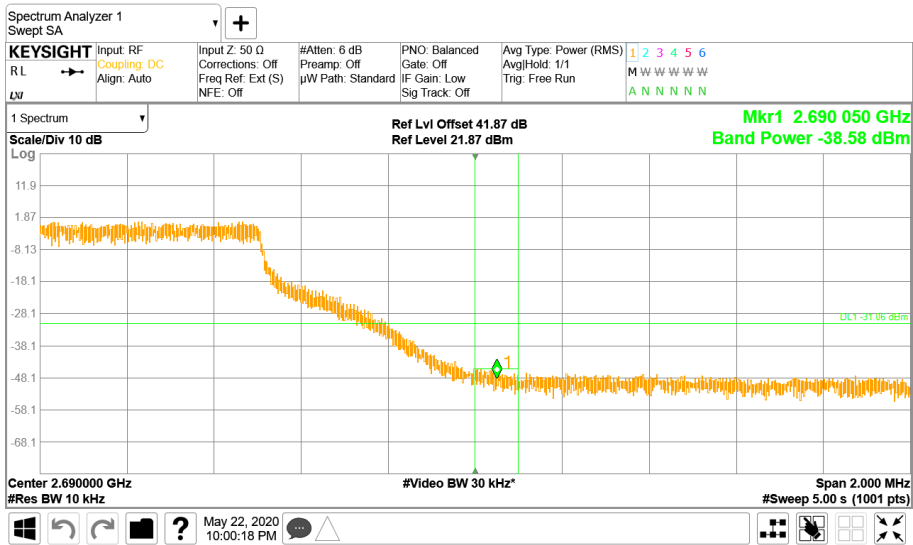




Antenna Port 34 - LTE Modulation 64QAM - LTE Carrier Bandwidth 20.0 MHz - Channel Position T



Antenna Port 59 - LTE Modulation 64QAM - LTE Carrier Bandwidth 10.0 MHz - Channel Position T



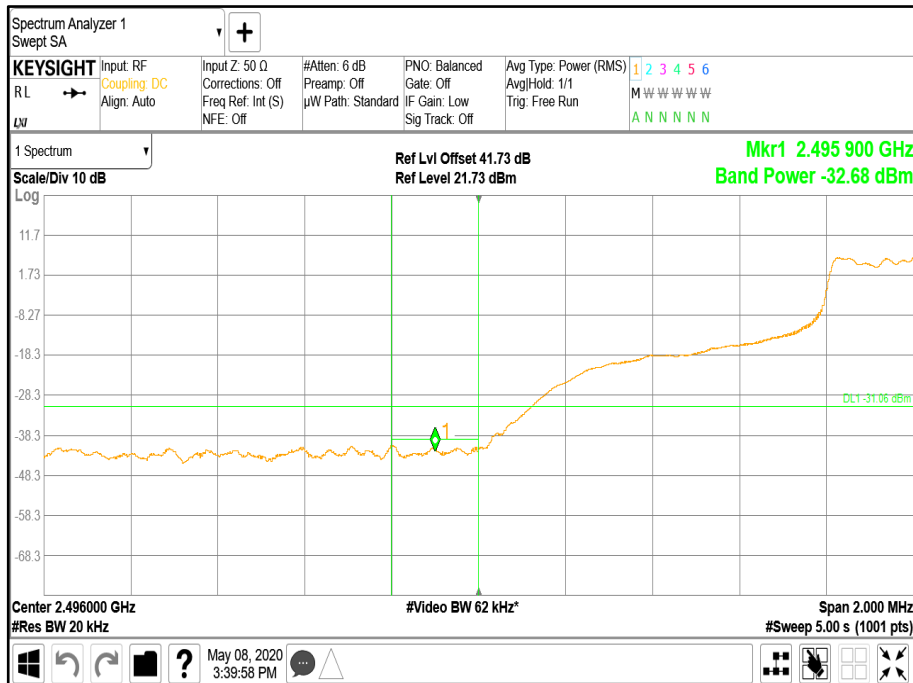


Configuration 4

Maximum Output Power 36.0 dBm

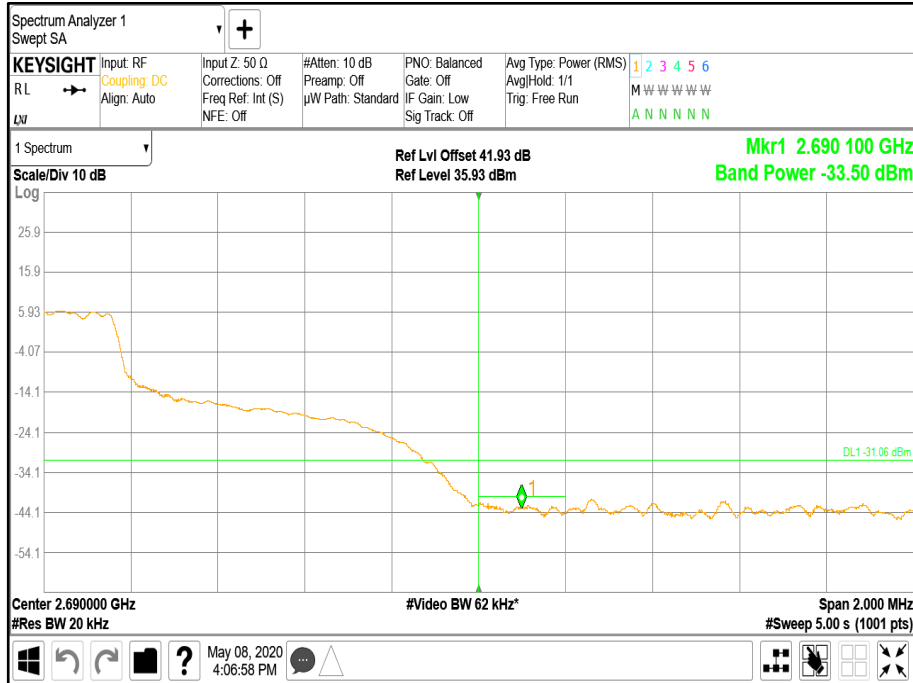
Antenna Port	NR Modulation	NR Carrier Bandwidth	Band Edge (MHz)	
			Channel Position B	Channel Position T
17	64QAM	20.0 MHz 30 kHz SCS	2,506.0	-
10	64QAM	20.0 MHz 30 kHz SCS	-	2,680.0
2	64QAM	40.0 MHz 30 kHz SCS	2,516.0	2,670.0
18	64QAM	60.0 MHz 30 kHz SCS	2,526.0	2,660.0
28	64QAM	80.0 MHz 30 kHz SCS	2,536.0	2,650.0
28	64QAM	100.0 MHz 30 kHz SCS	2,546.0	2,640.0

Antenna Port 17 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position B

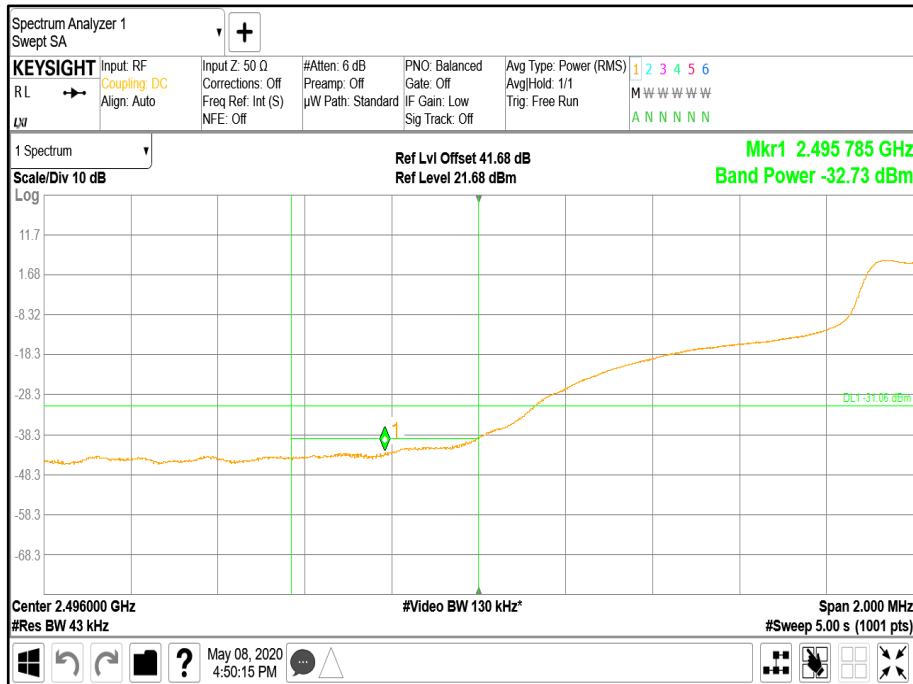




Antenna Port 10 - NR Modulation 64QAM - NR Carrier Bandwidth 20.0 MHz 30 kHz SCS - Channel Position T

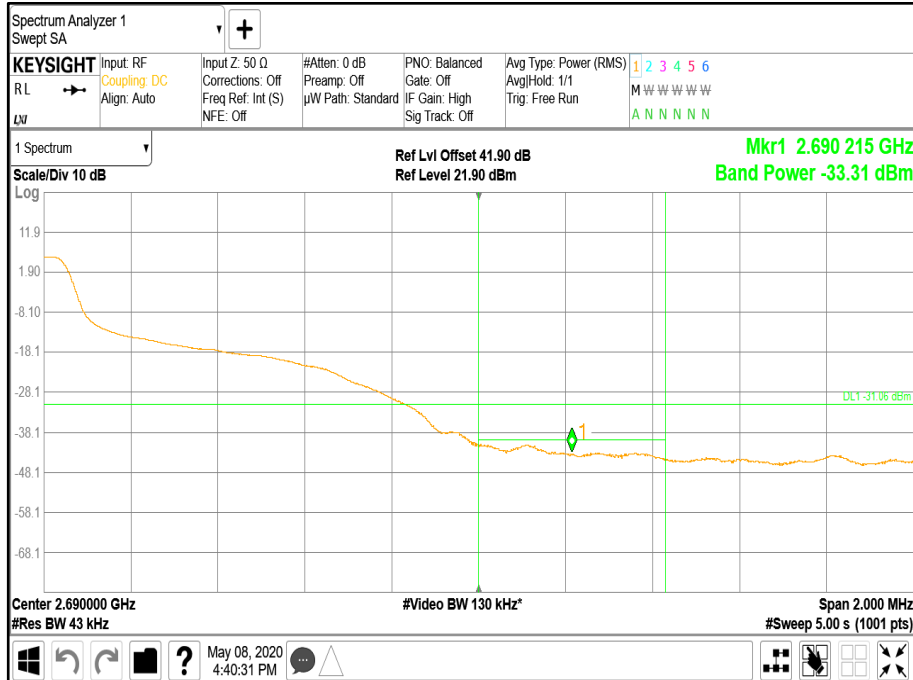


Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position B

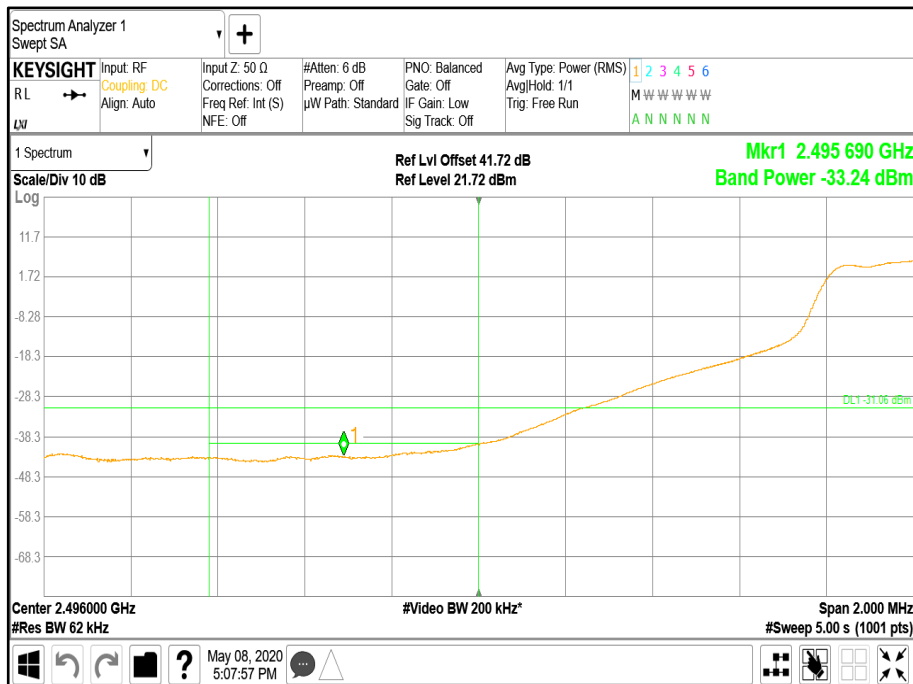




Antenna Port 2 - NR Modulation 64QAM - NR Carrier Bandwidth 40.0 MHz 30 kHz SCS - Channel Position T

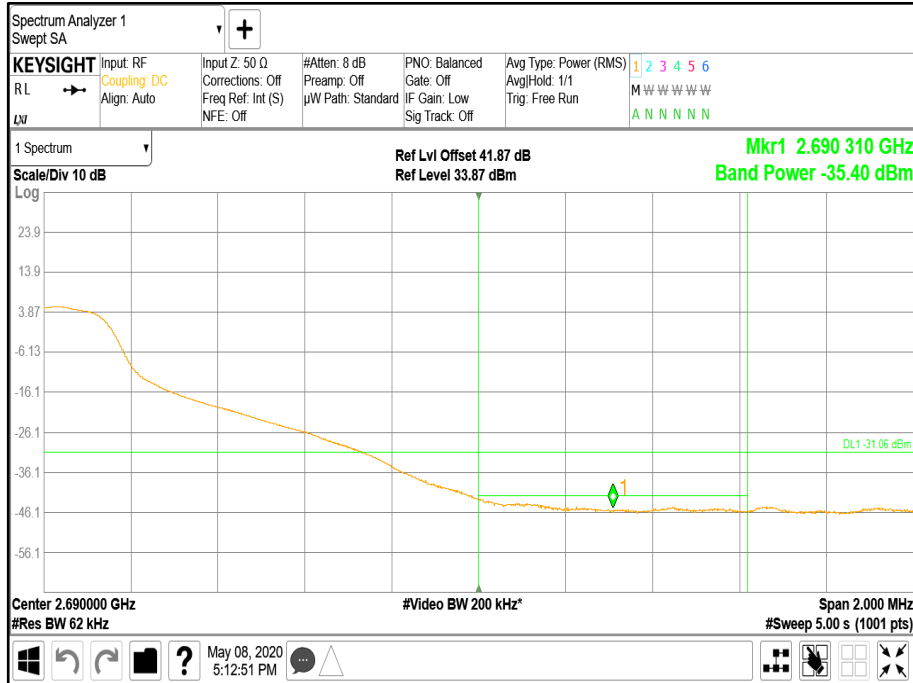


Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position B

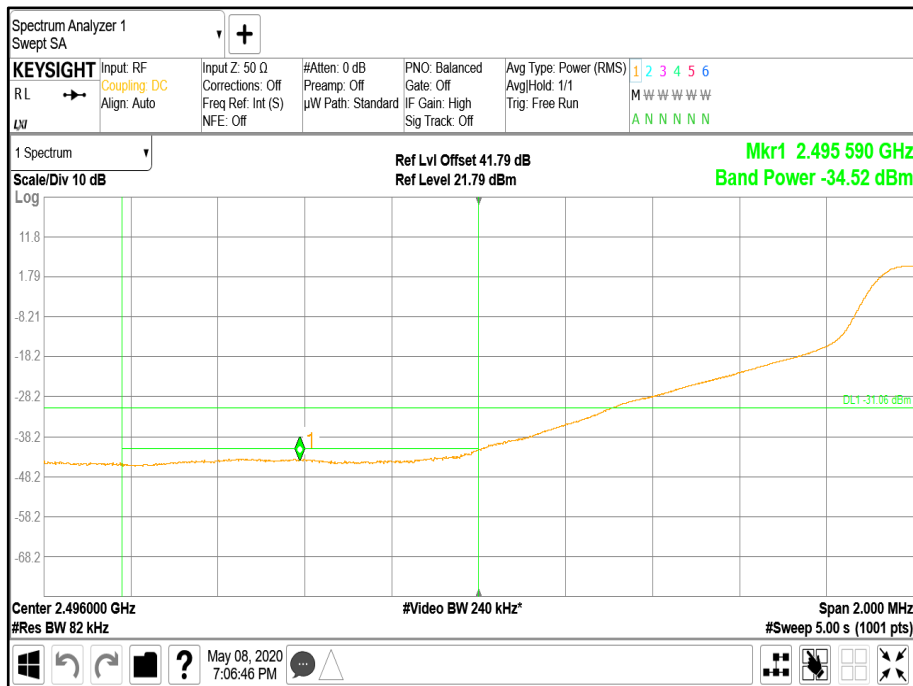




Antenna Port 18 - NR Modulation 64QAM - NR Carrier Bandwidth 60.0 MHz 30 kHz SCS - Channel Position T



Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position B

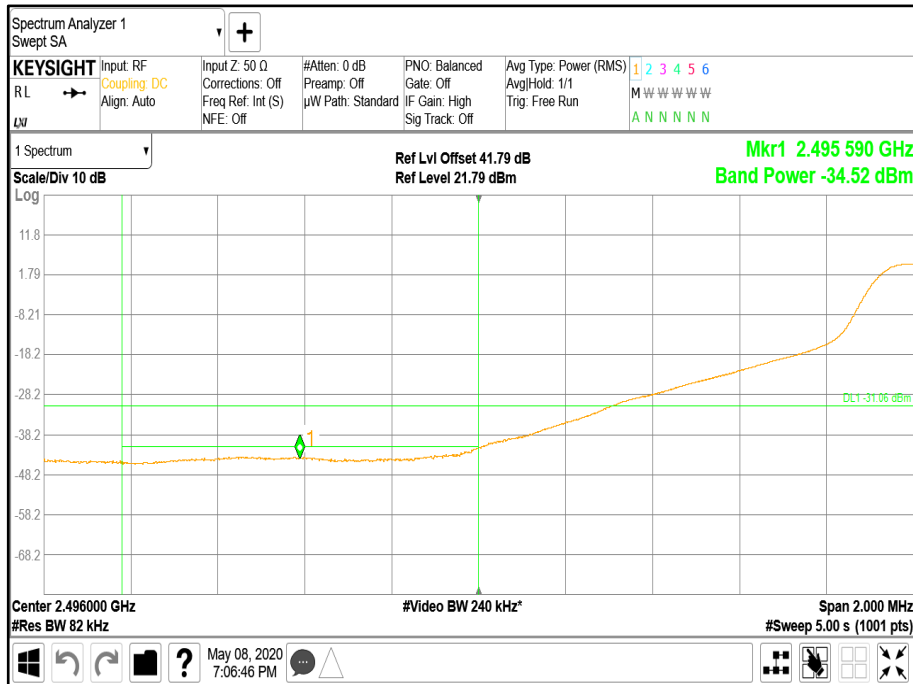




Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 80.0 MHz 30 kHz SCS - Channel Position T

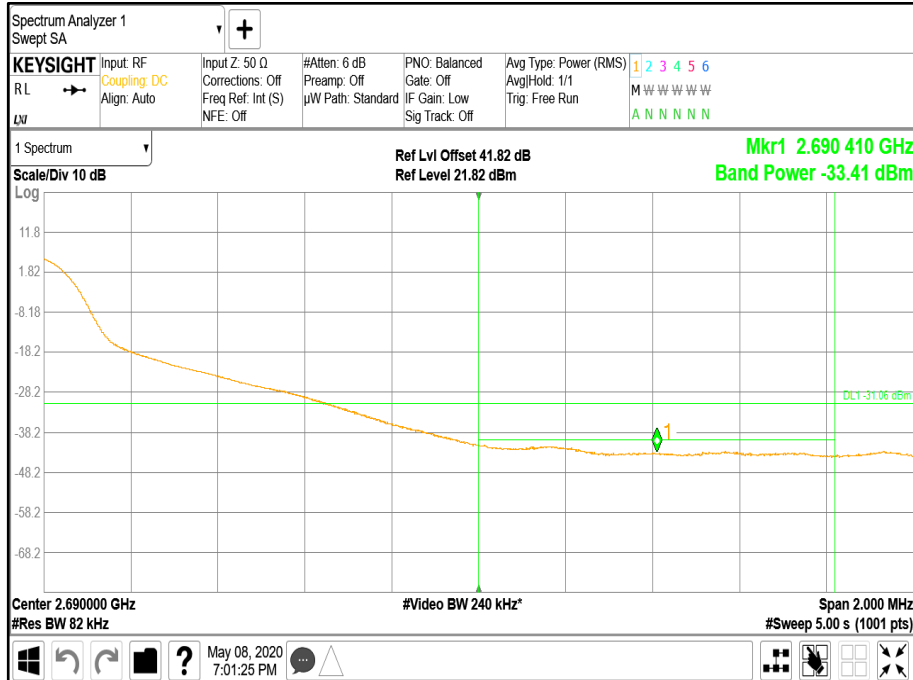


Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position B





Antenna Port 28 - NR Modulation 64QAM - NR Carrier Bandwidth 100.0 MHz 30 kHz SCS - Channel Position T



Configuration 5

Maximum Output Power 36.0 dBm

Antenna Port	NR Modulation	NR Carrier Bandwidth	Band Edge (MHz)	
			Channel Position B	Channel Position T
17	64QAM	20.0 MHz 30 kHz SCS	2506 + 2526	-
10	64QAM	20.0 MHz 30 kHz SCS	-	2660 + 2680
2	64QAM	40.0 MHz 30 kHz SCS	2516 + 2556	2630 + 2670
18	64QAM	60.0 MHz 30 kHz SCS	2526 + 2586	2600 + 2660
28	64QAM	80.0 MHz 30 kHz SCS	2536 + 2616	2570 + 2650