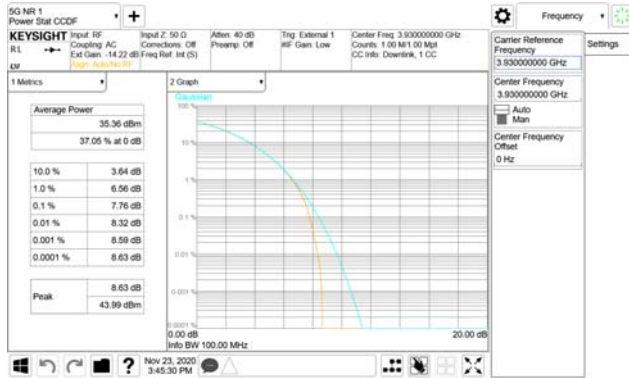
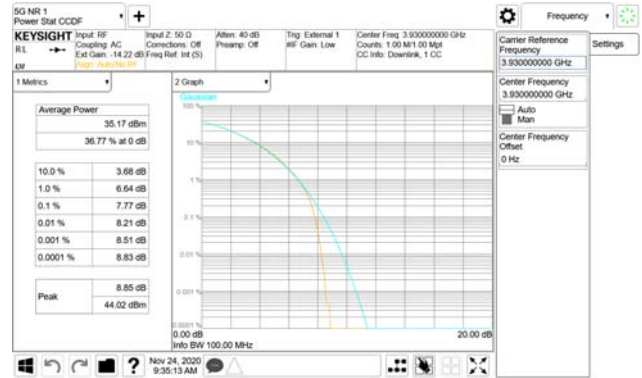


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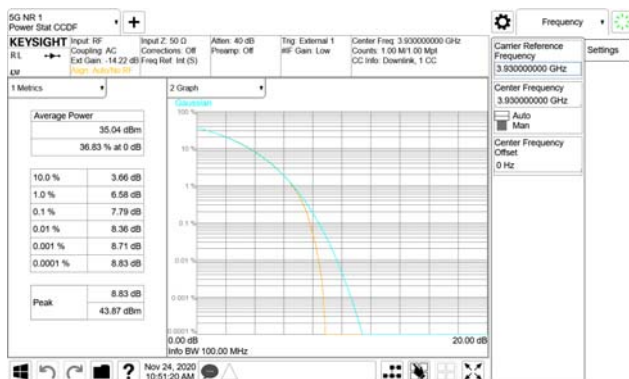
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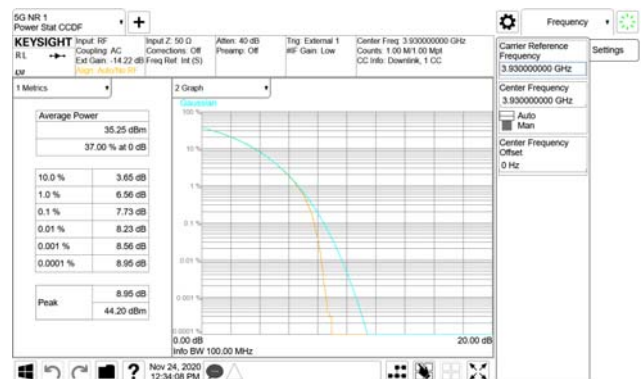
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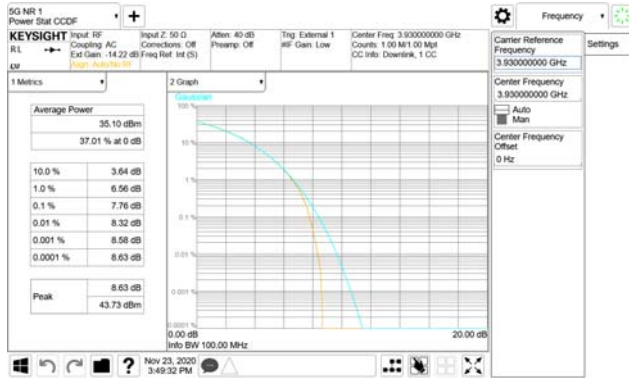


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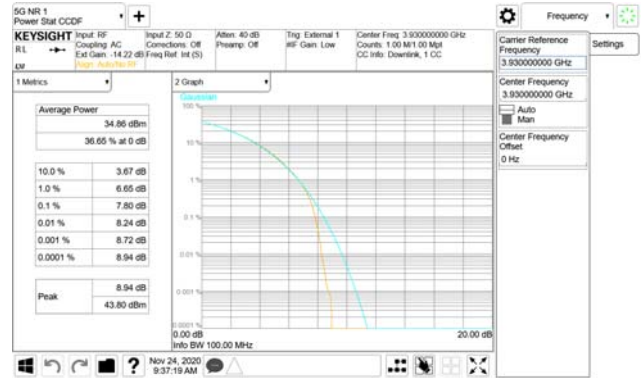


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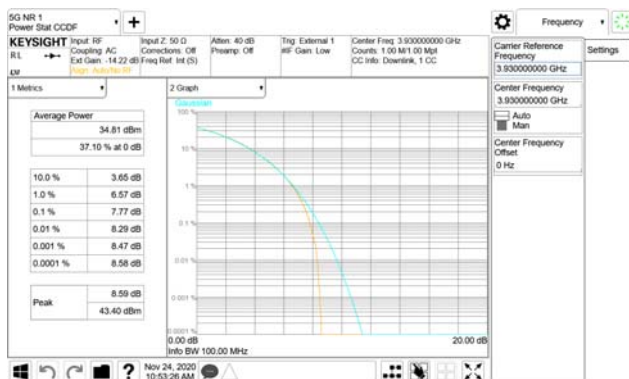
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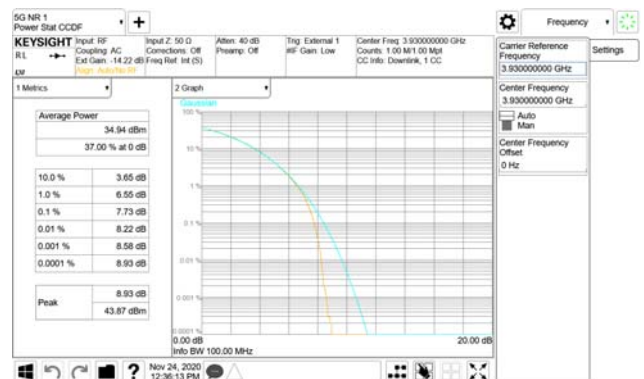
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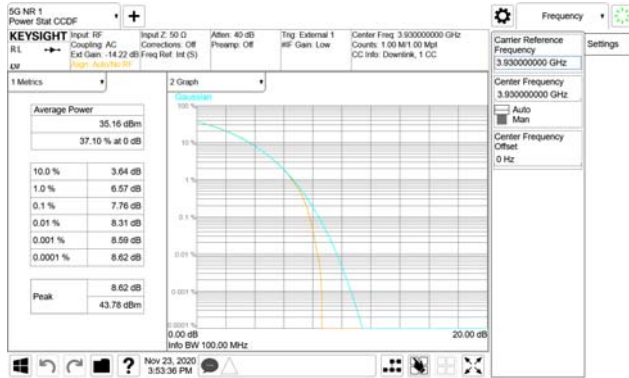


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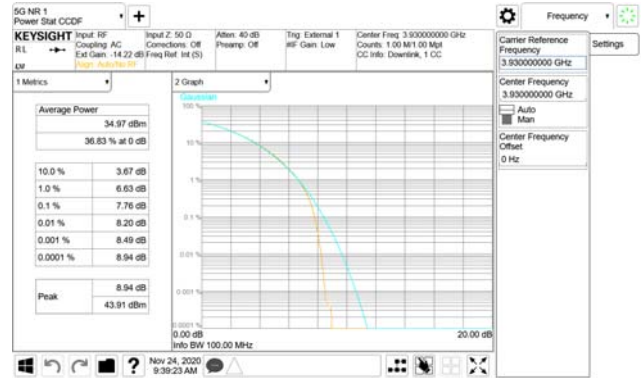


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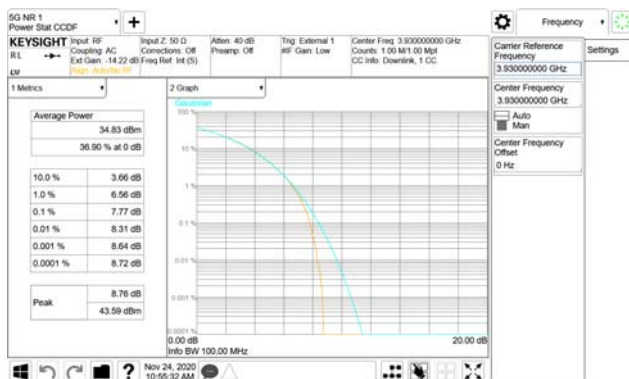
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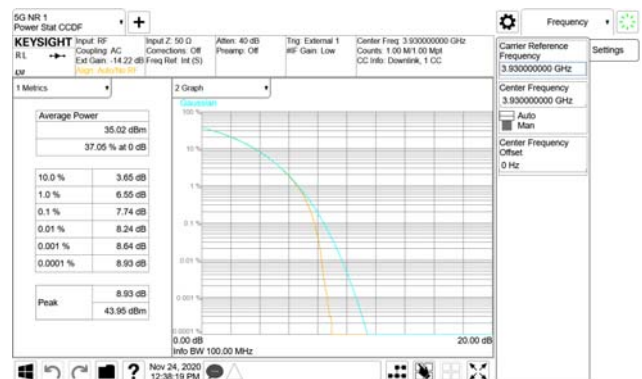
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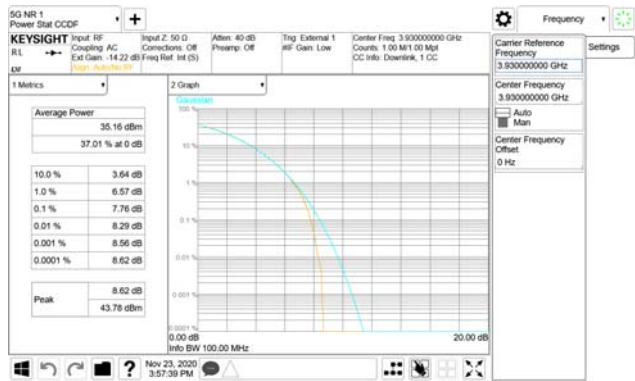




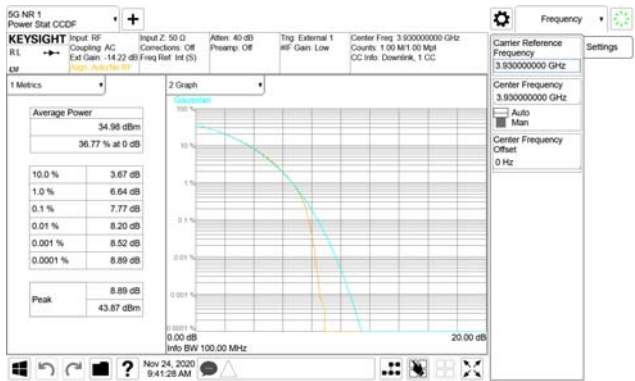
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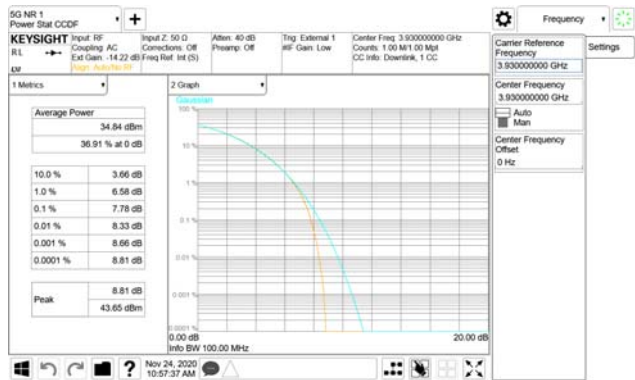
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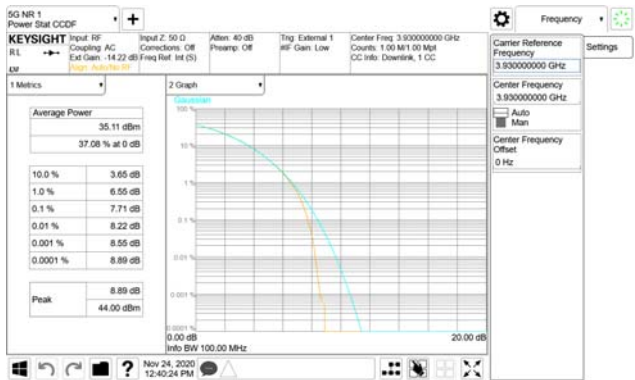
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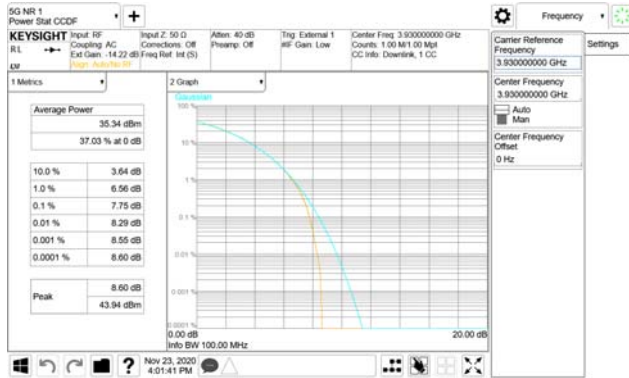


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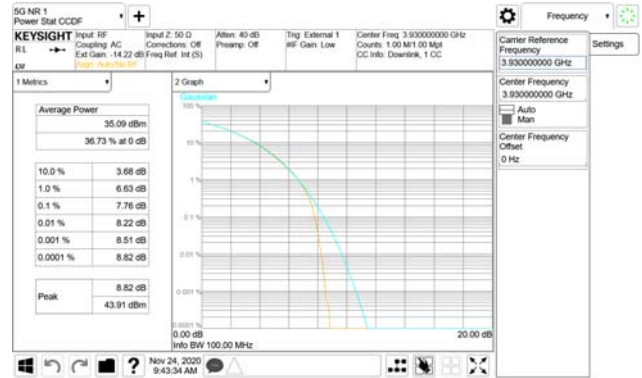


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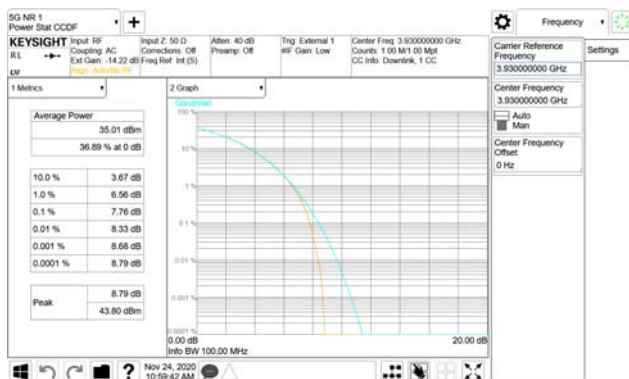
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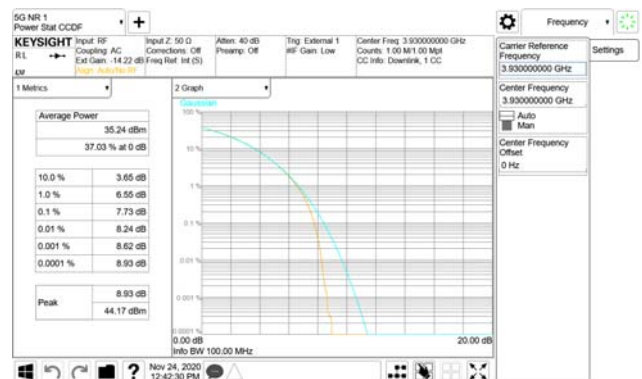
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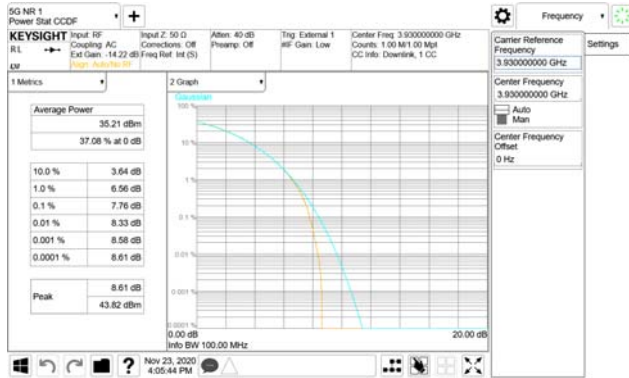


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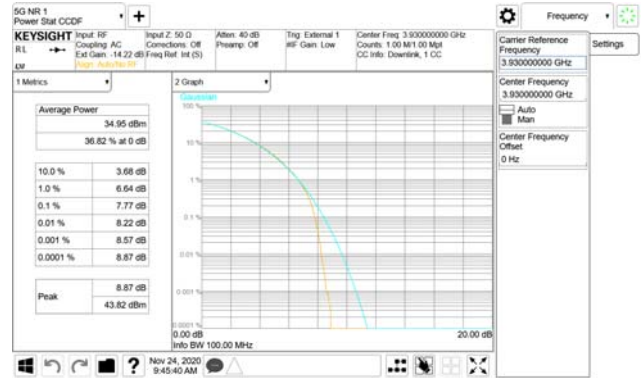


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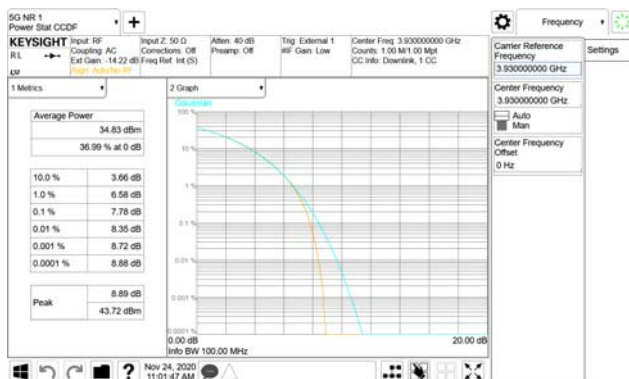
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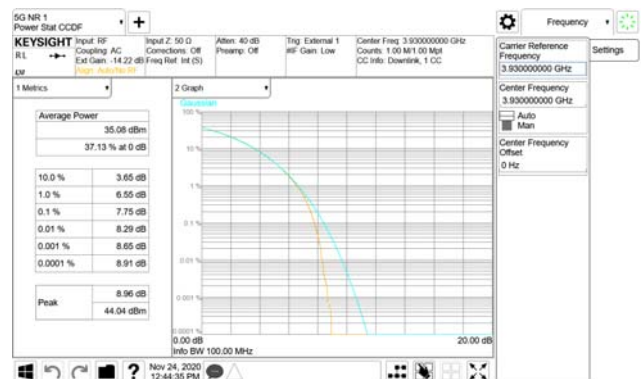
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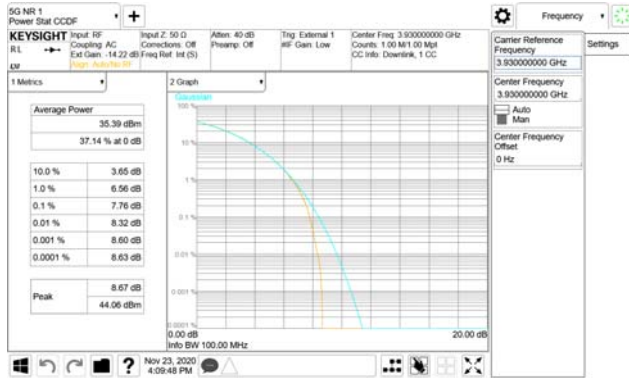


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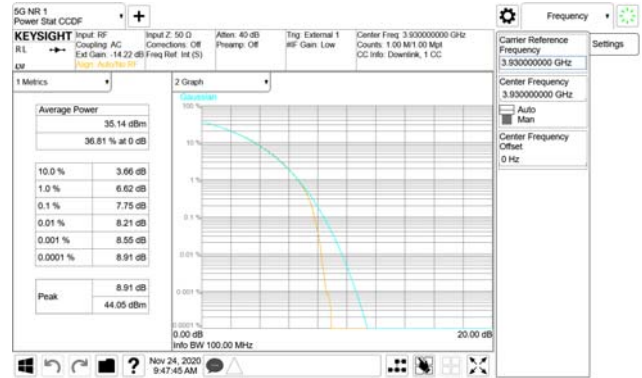


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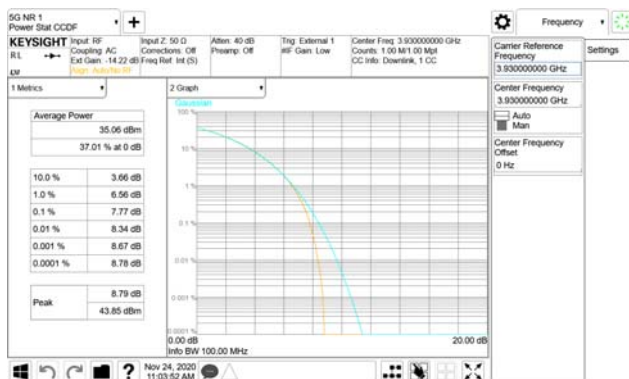
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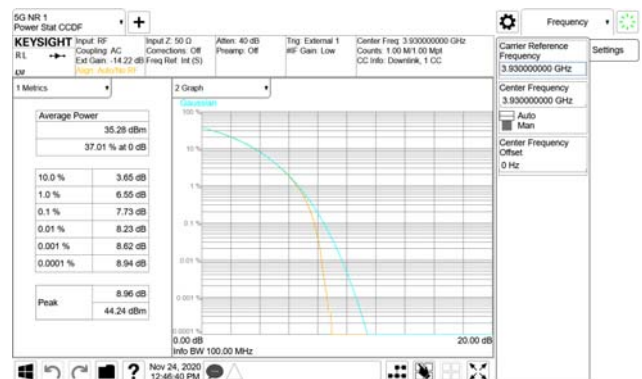
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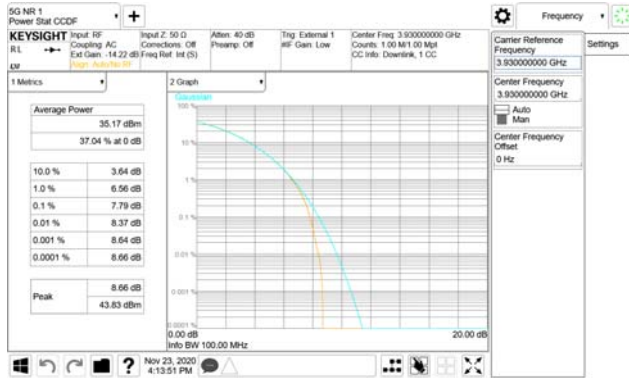


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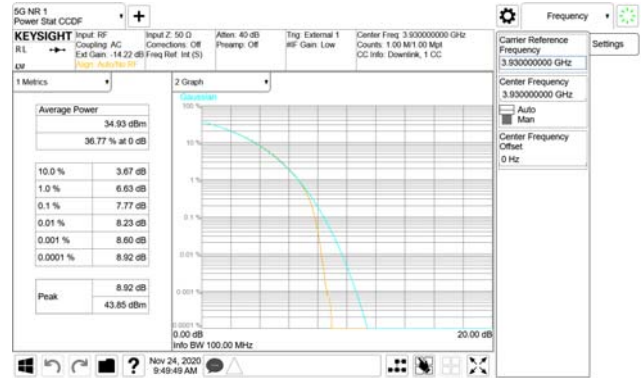


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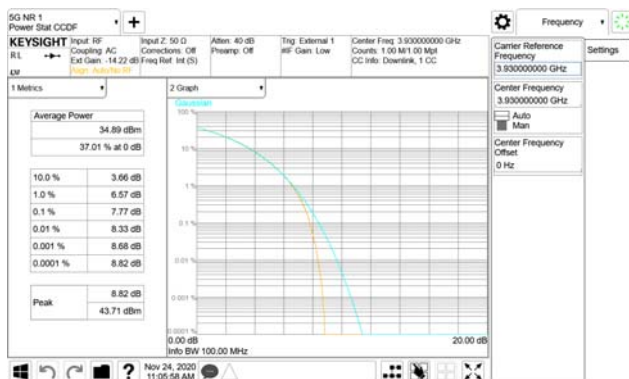
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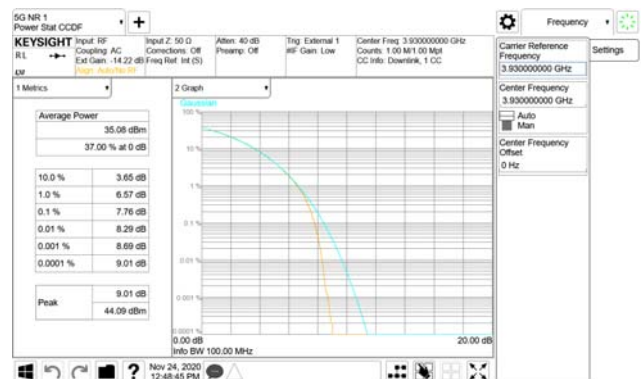
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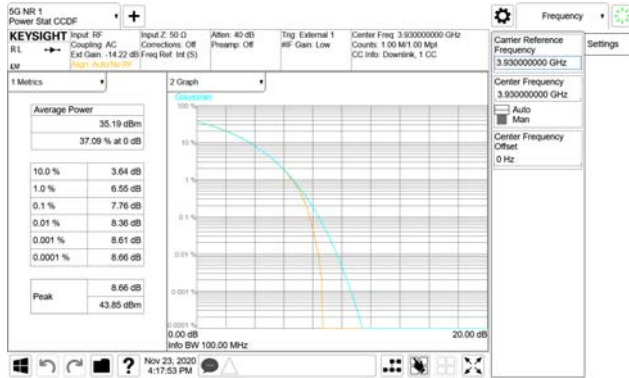


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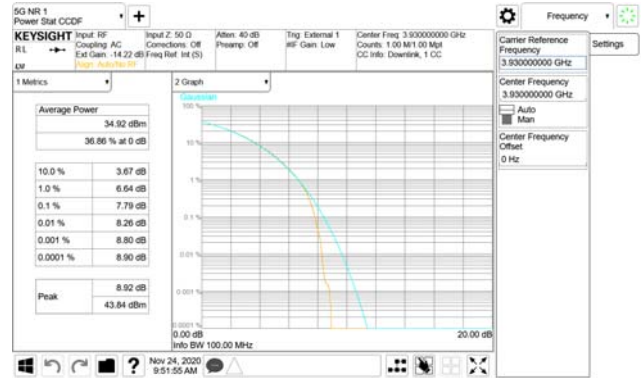


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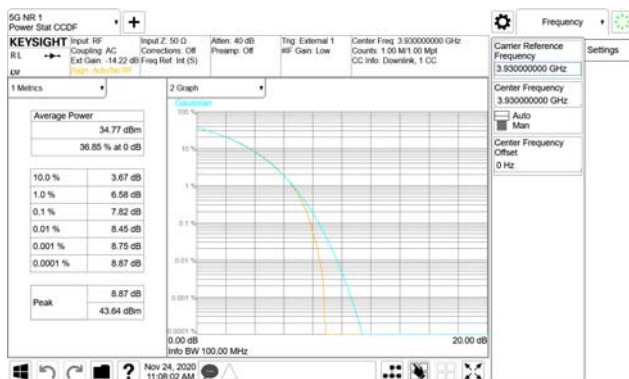
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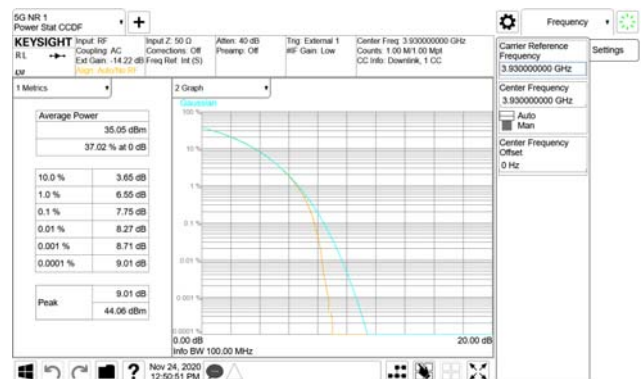
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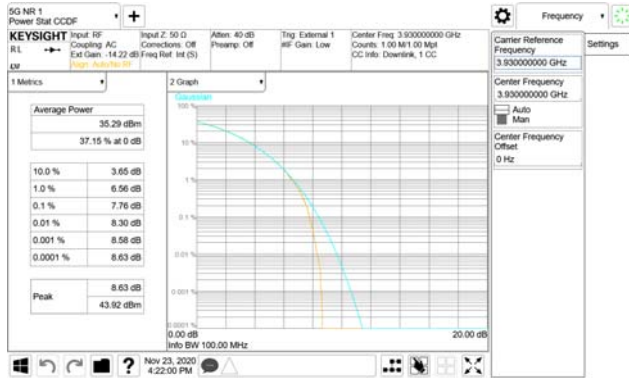


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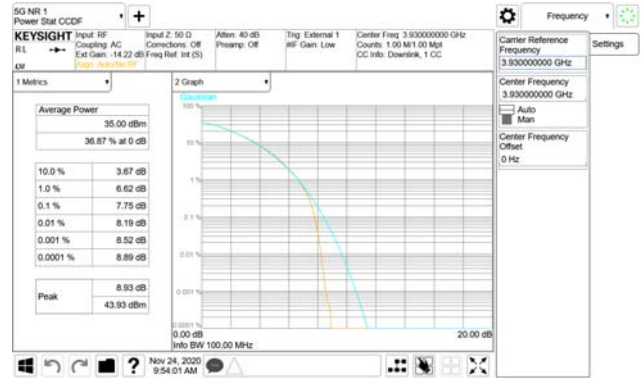


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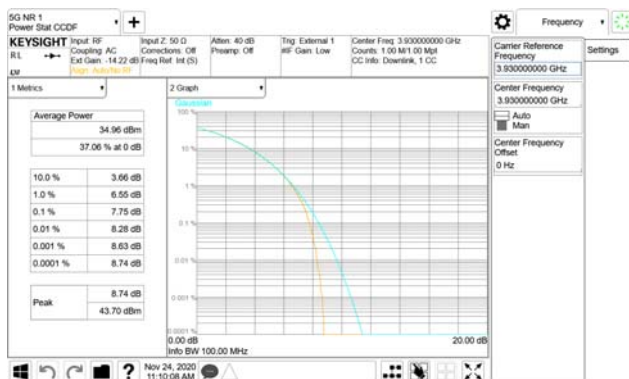
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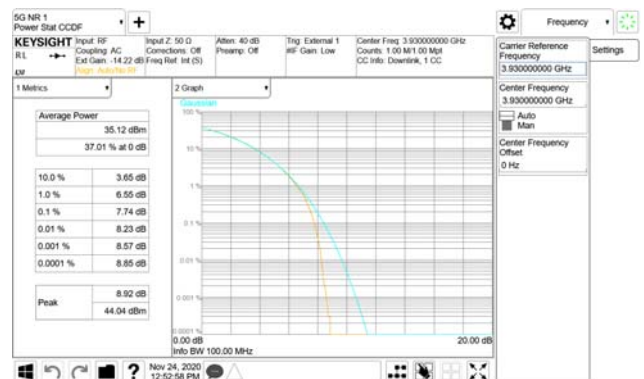
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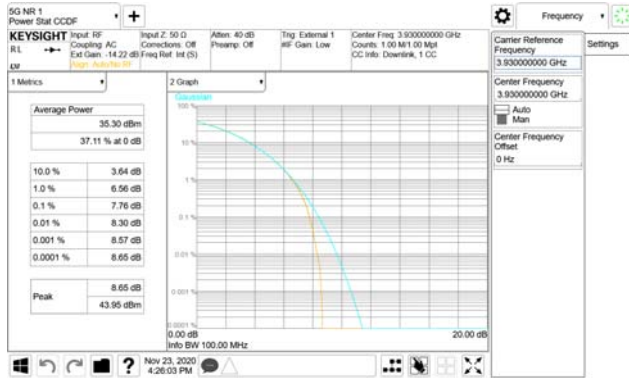


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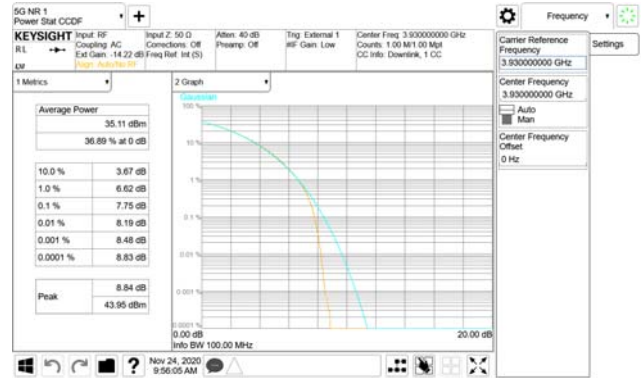


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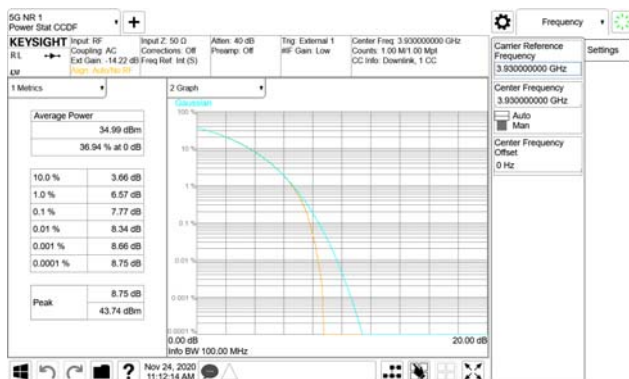
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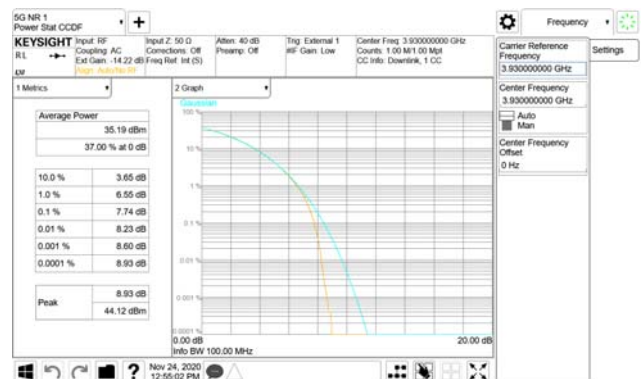
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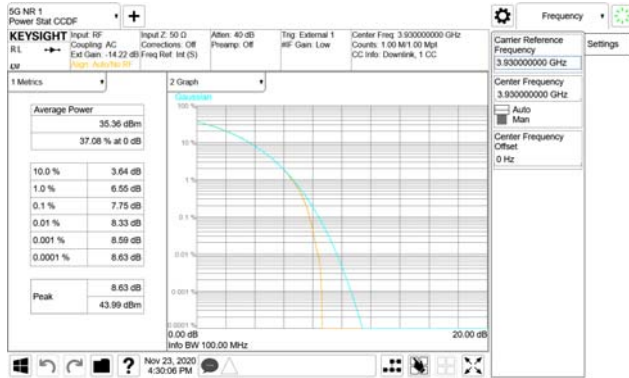


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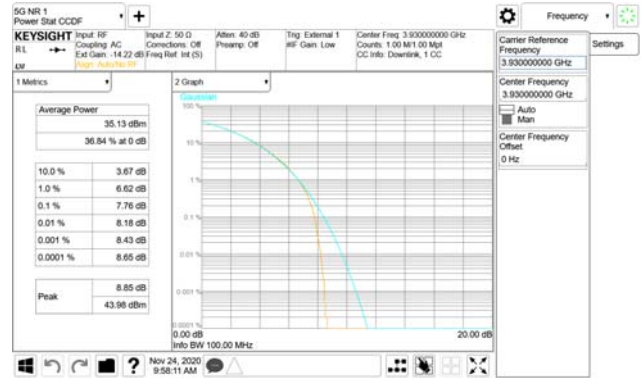


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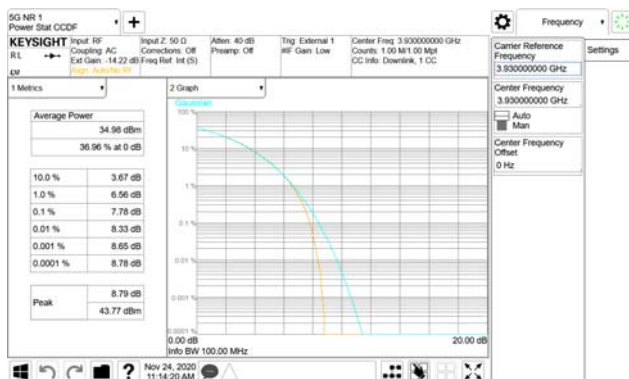
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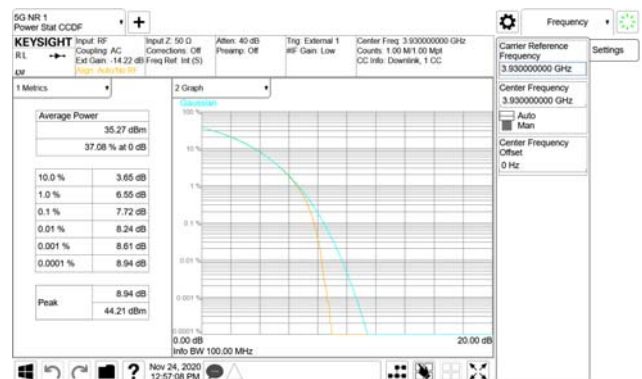
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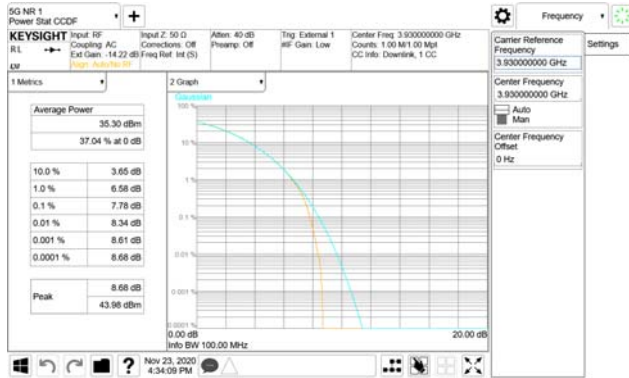


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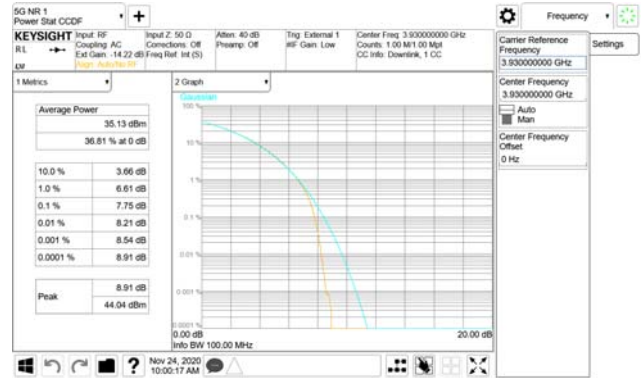


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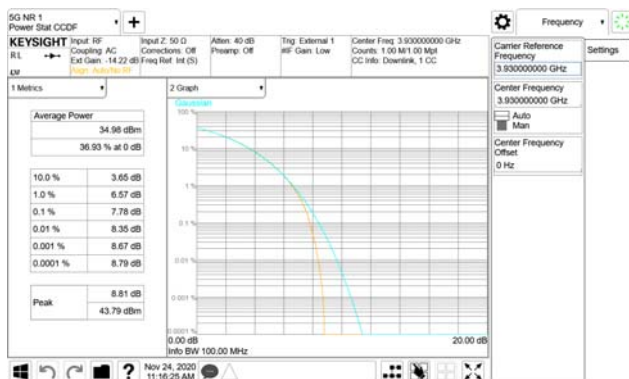
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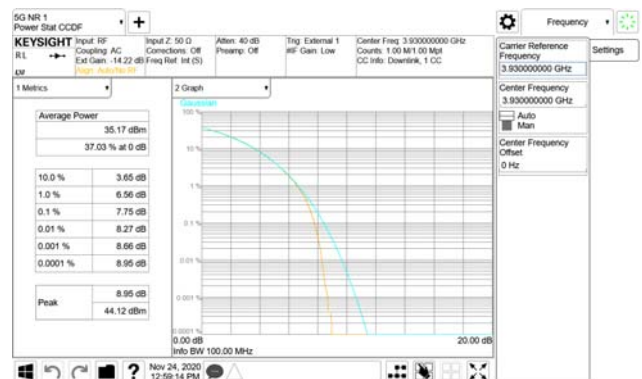
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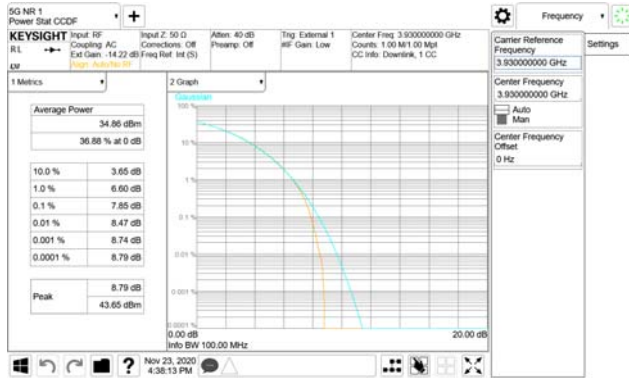


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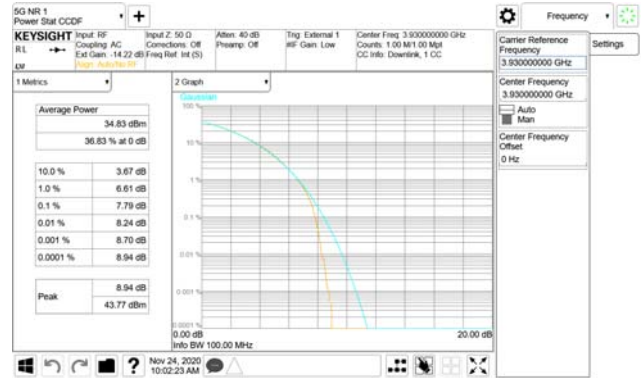


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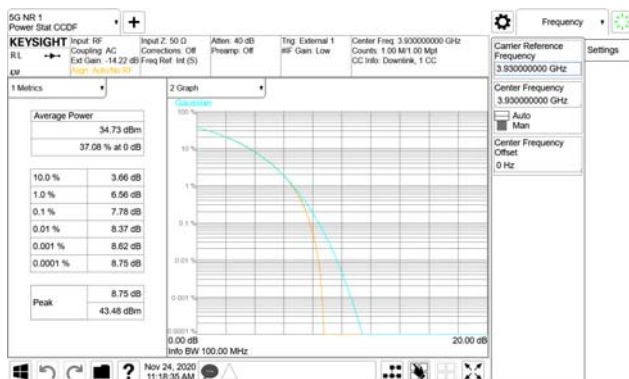
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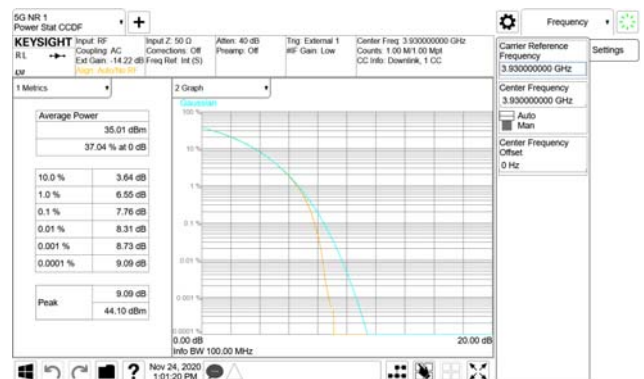
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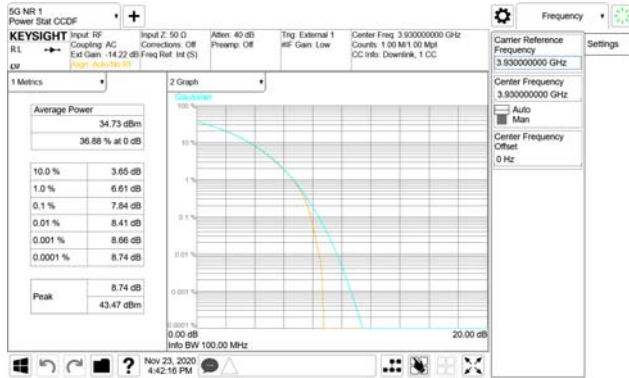


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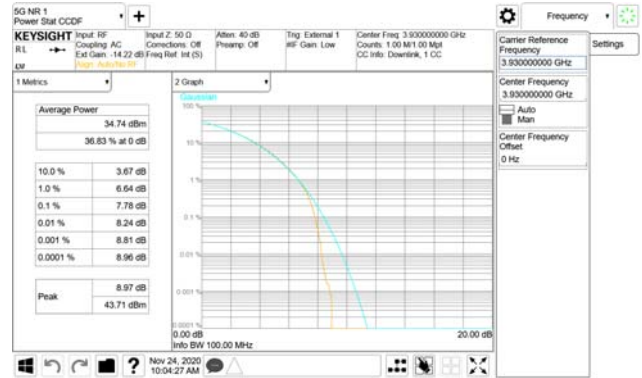


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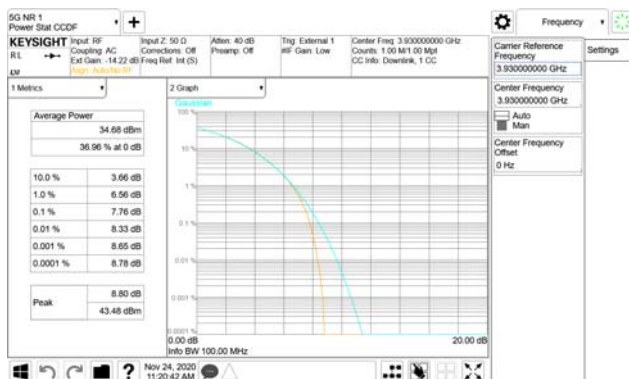
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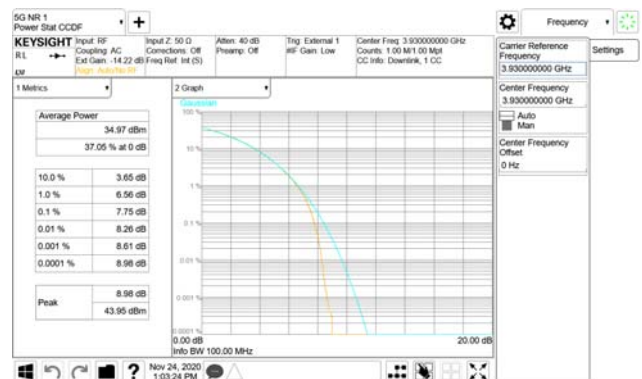
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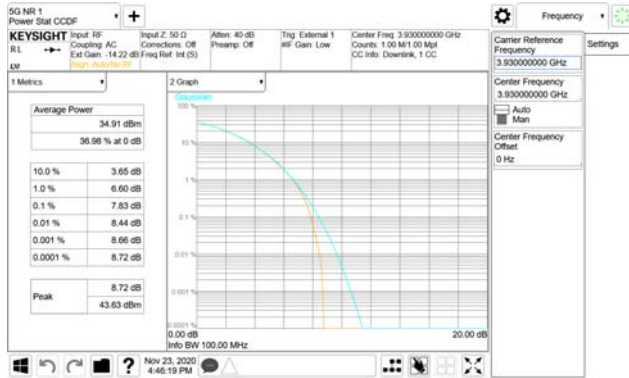


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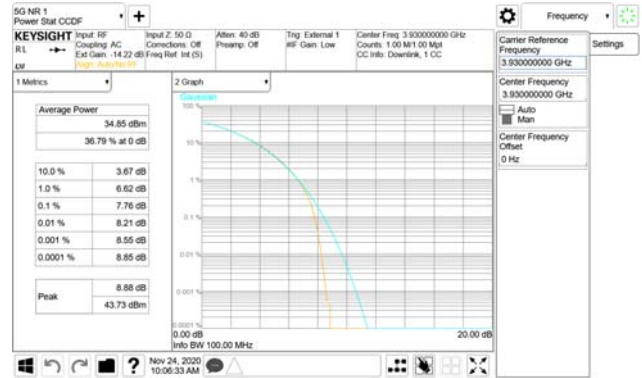


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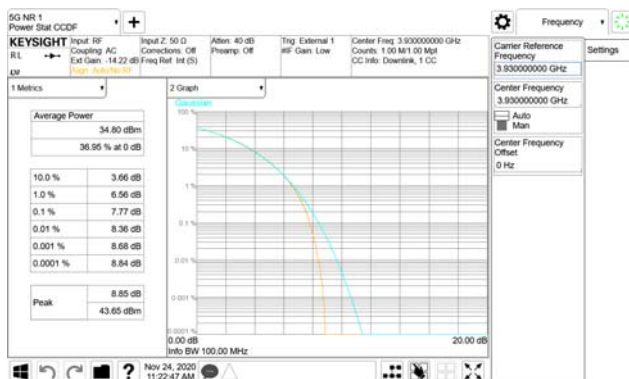
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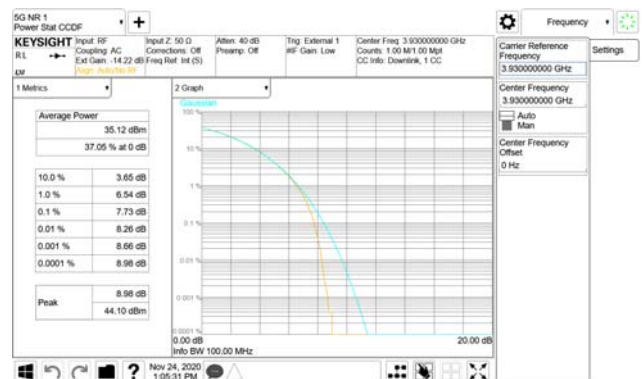
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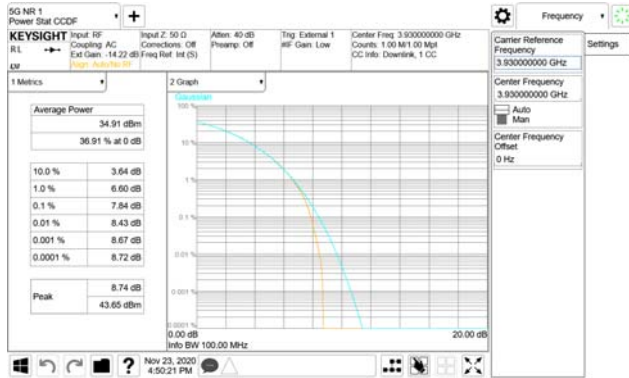


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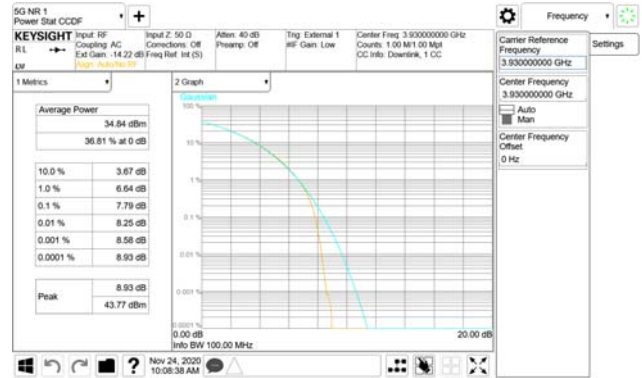


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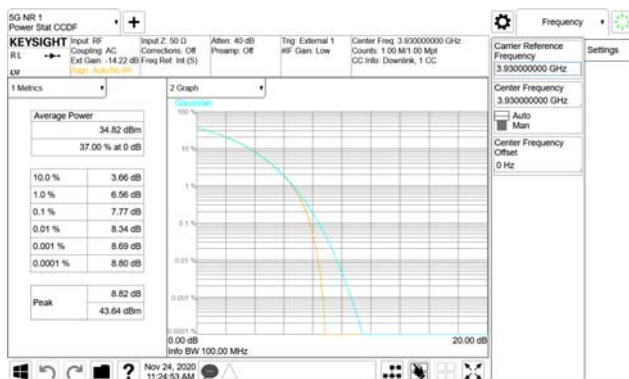
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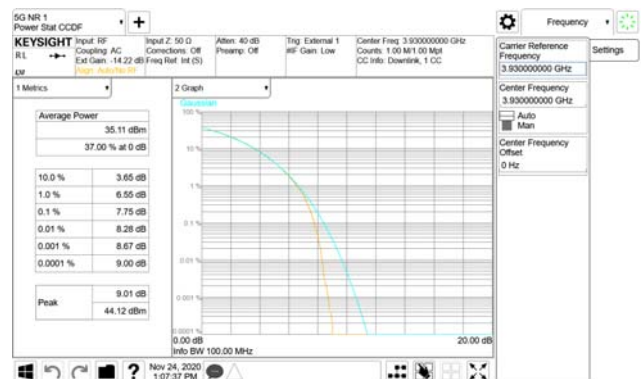
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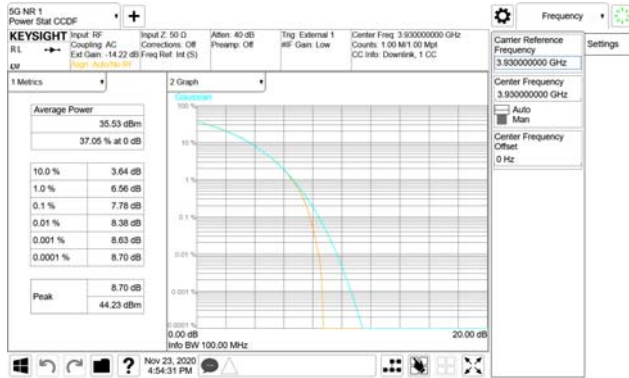


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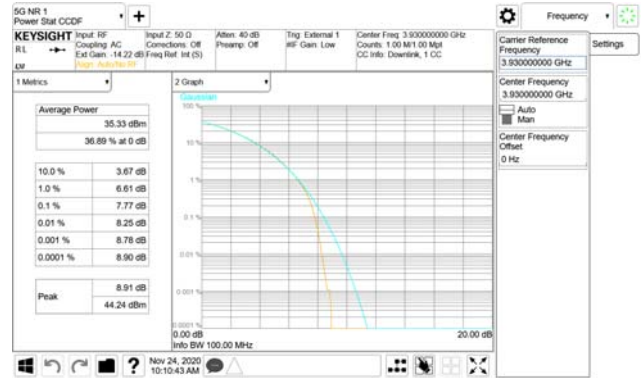


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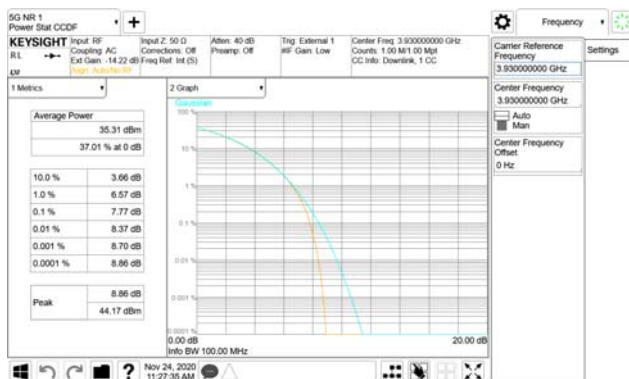
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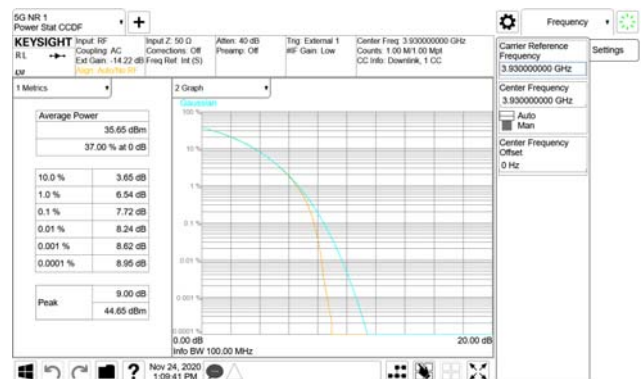
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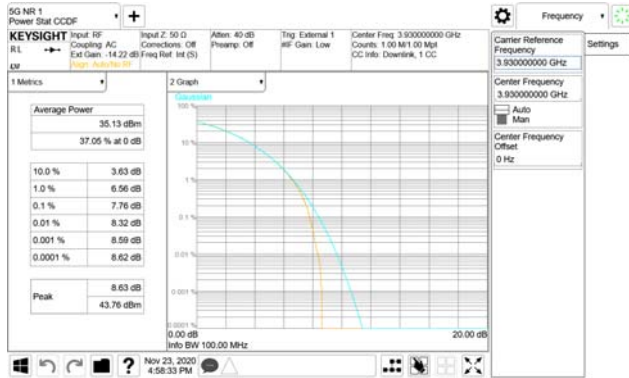


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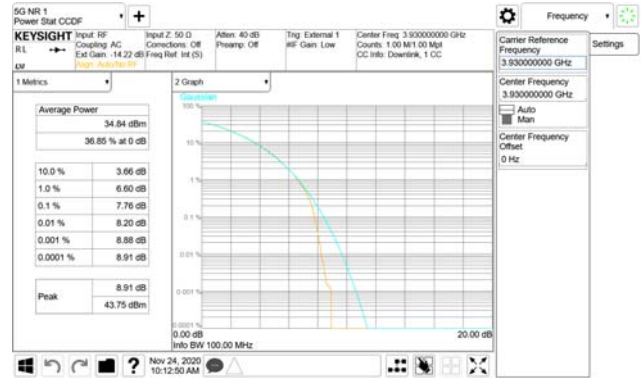


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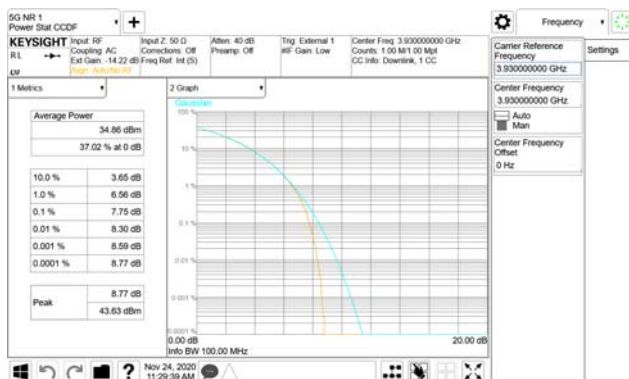
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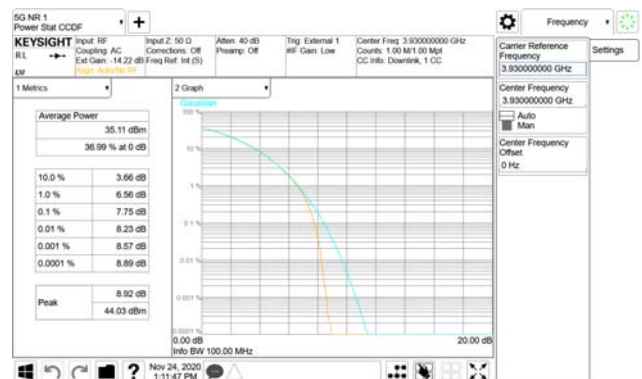
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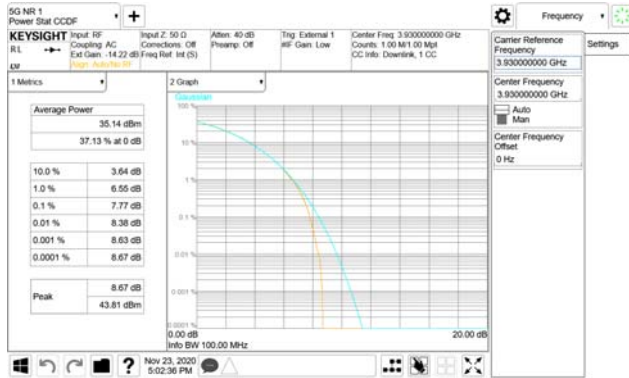


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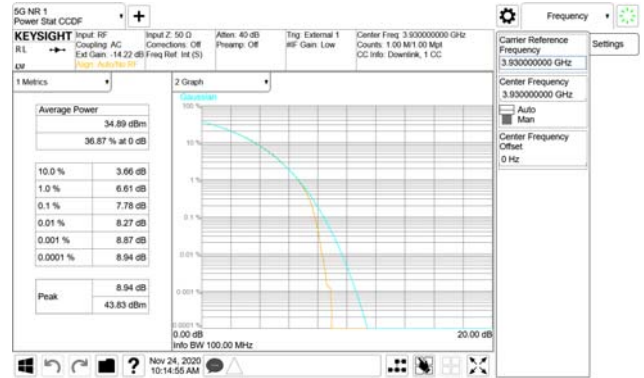


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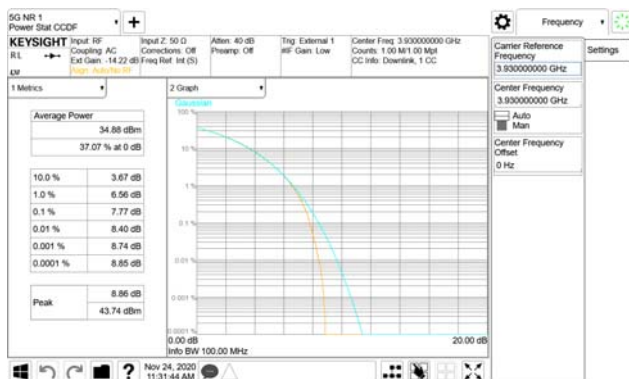
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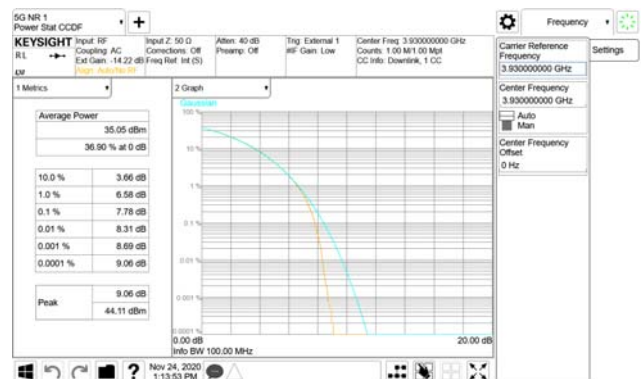
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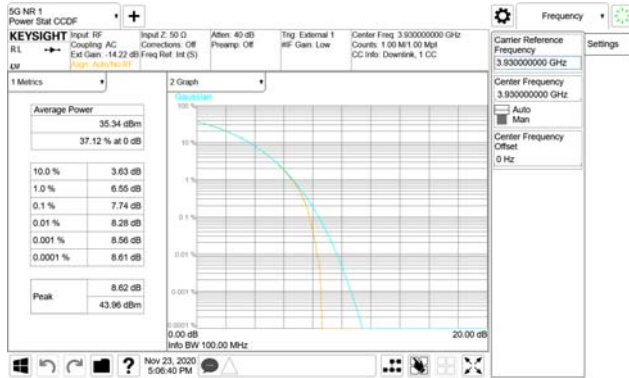


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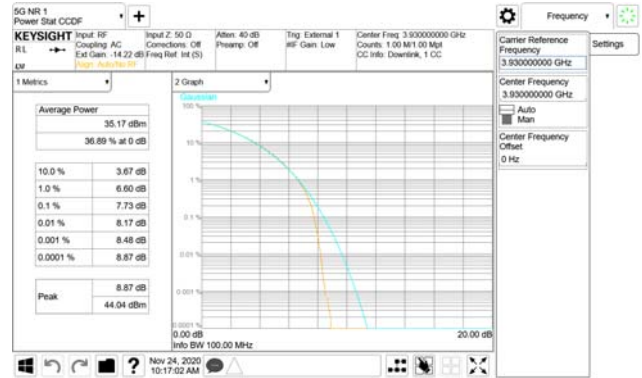


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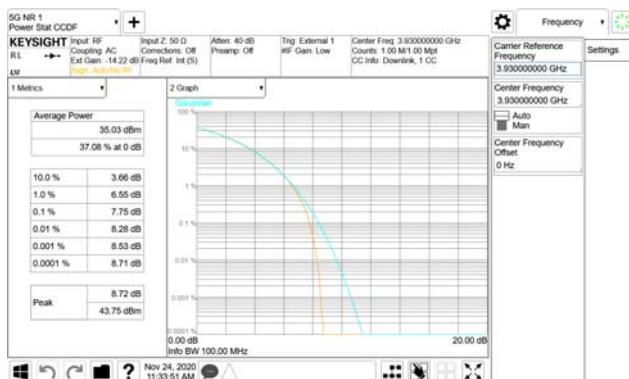
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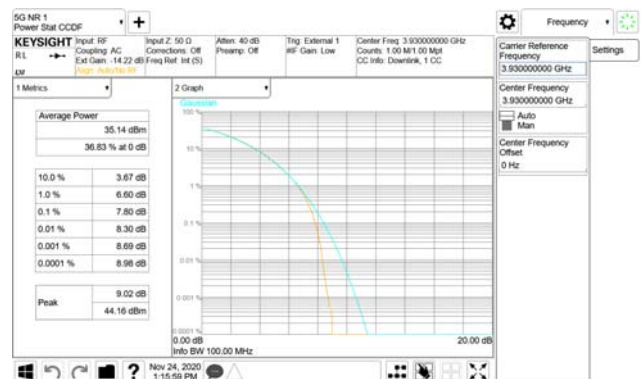
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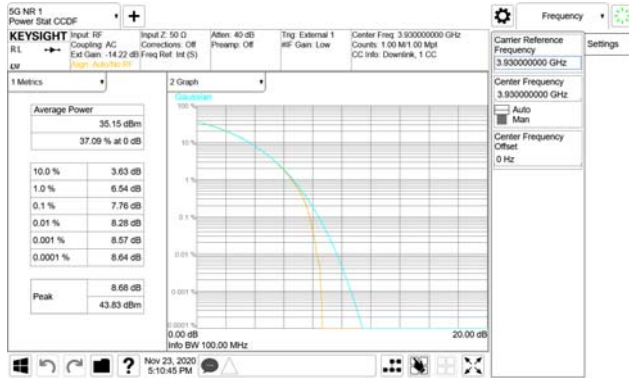


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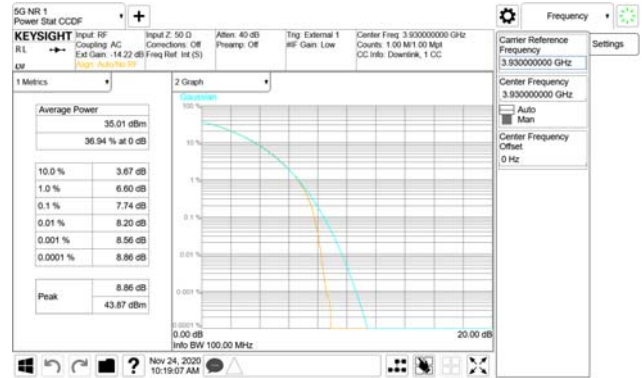


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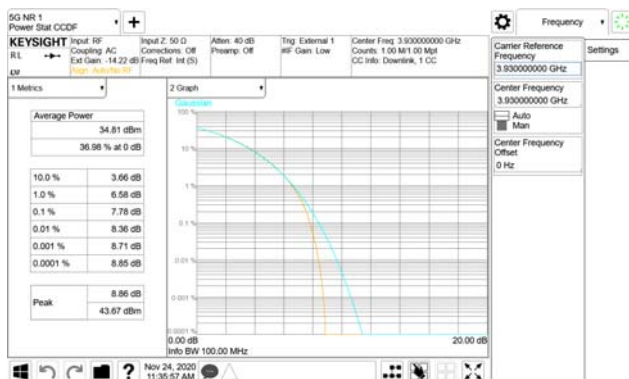
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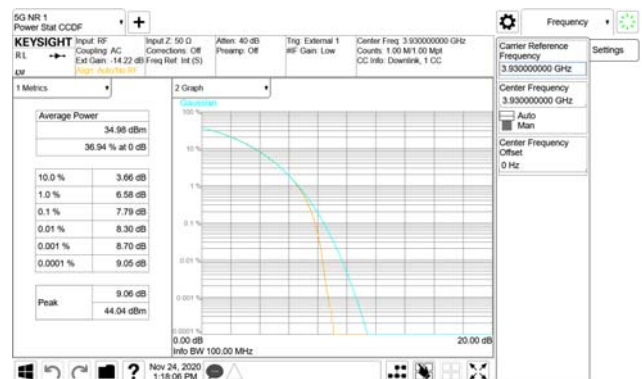
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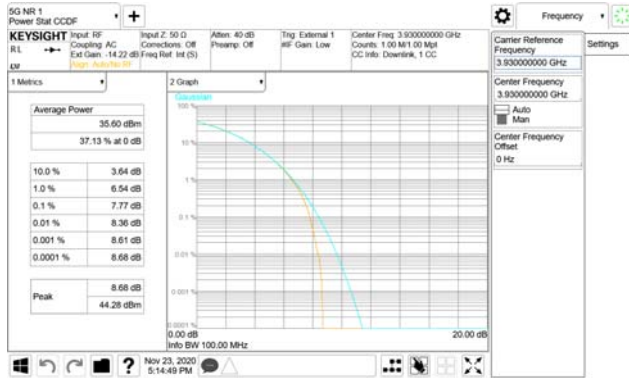


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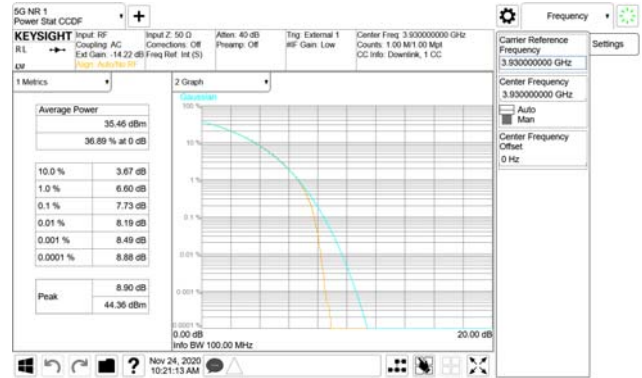


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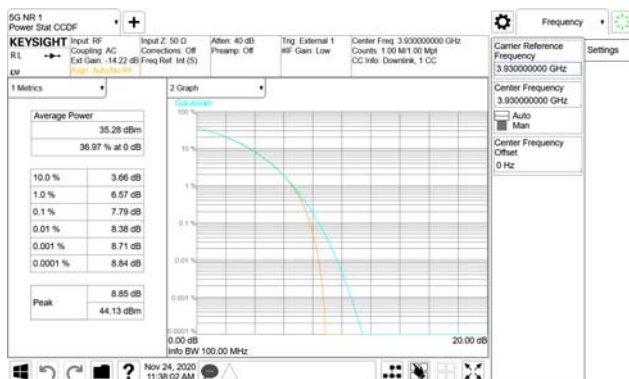
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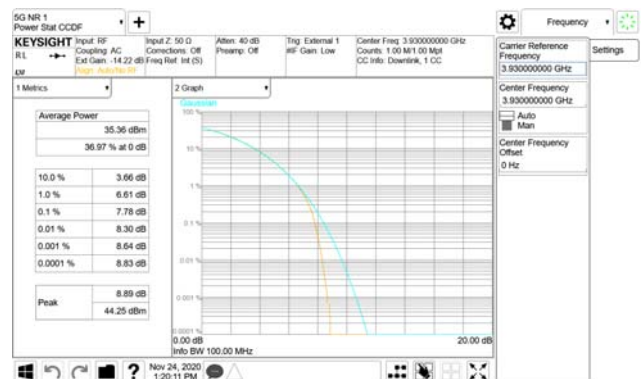
16QAM



64QAM

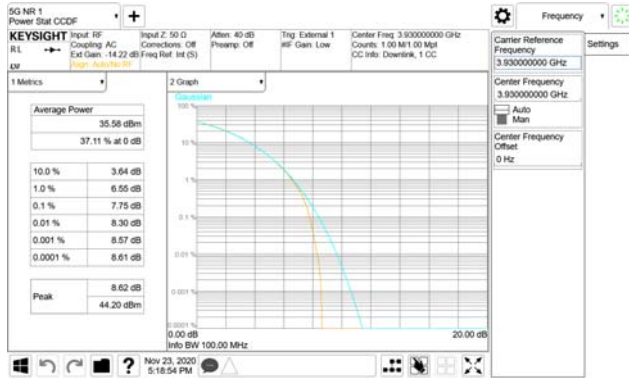


256QAM

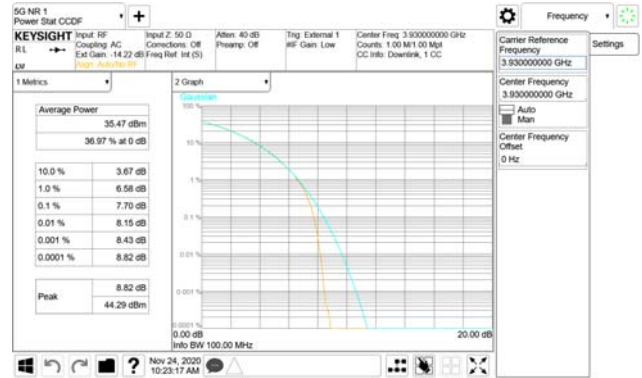


ANT59

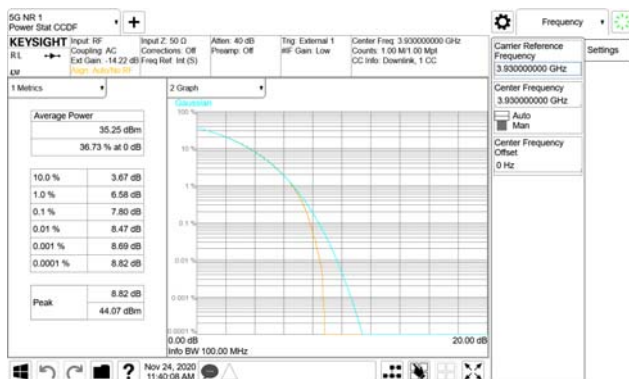
QPSK



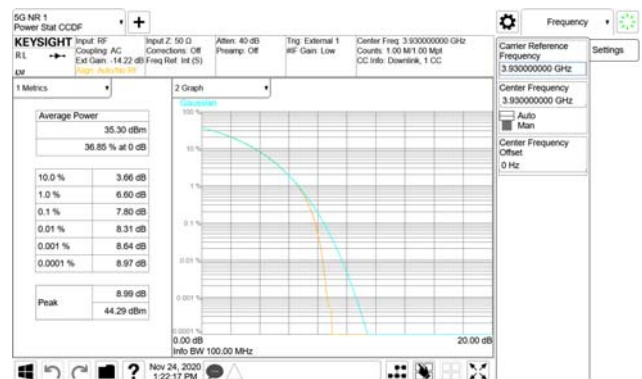
16QAM



64QAM

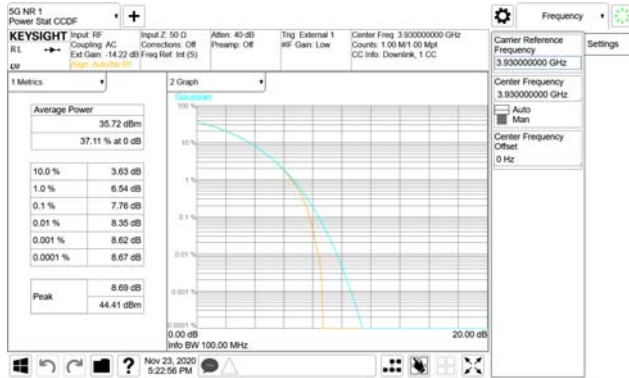


256QAM

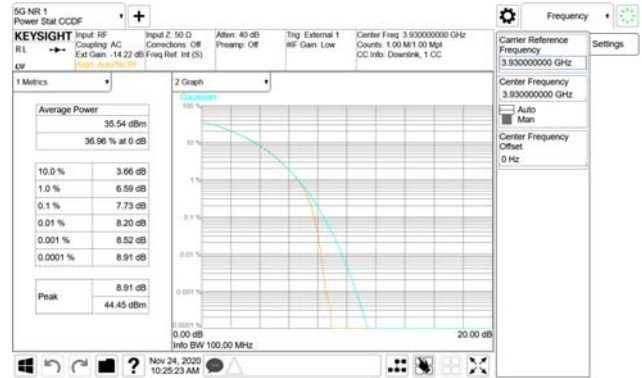


ANT60

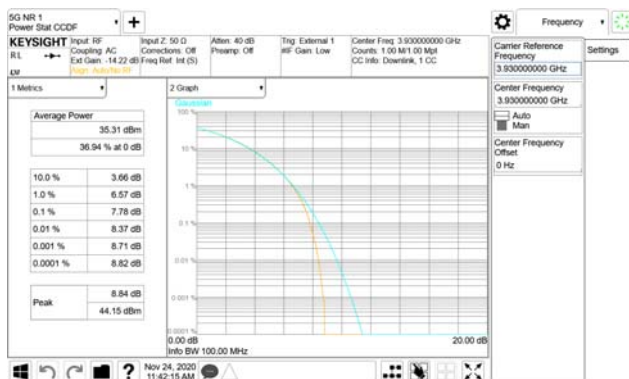
QPSK



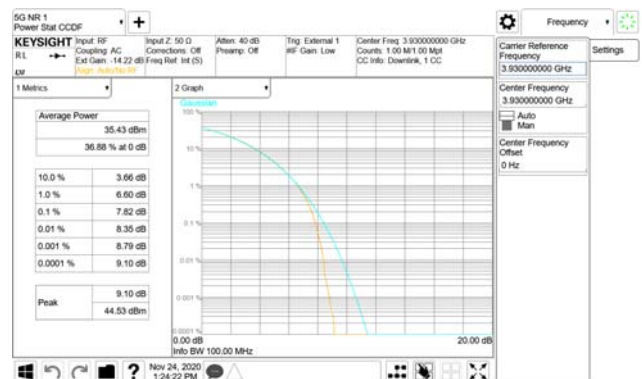
16QAM

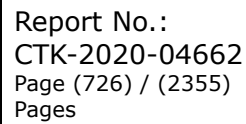


64QAM

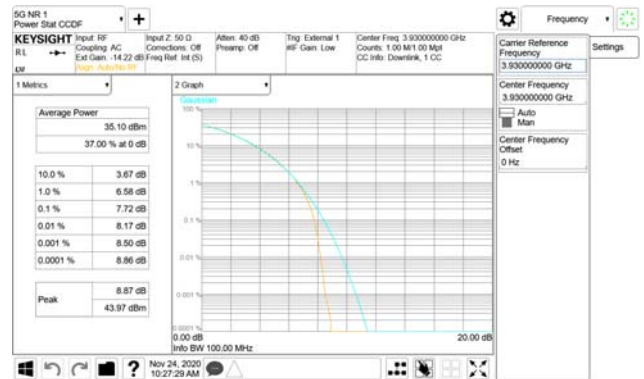


256QAM

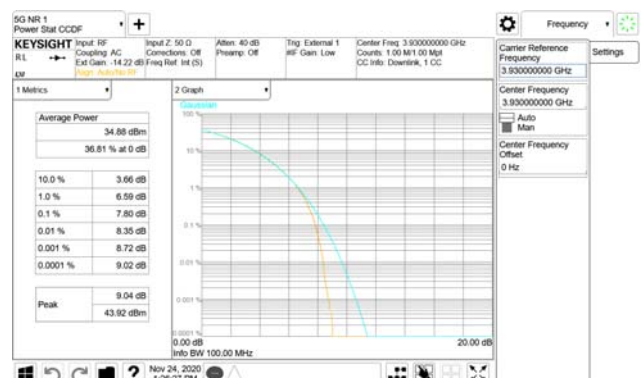




16QAM

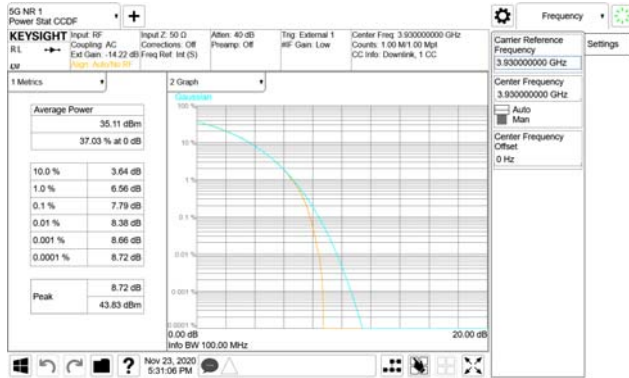


256QAM

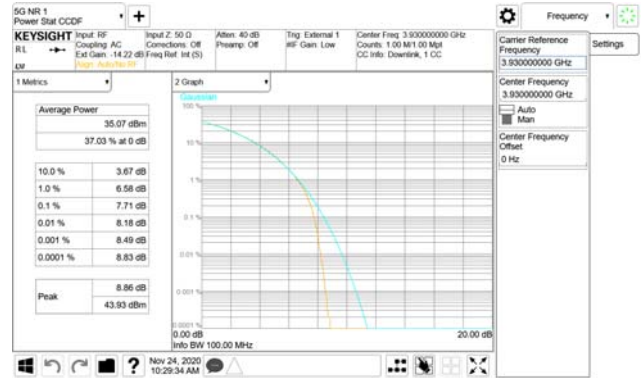


ANT62

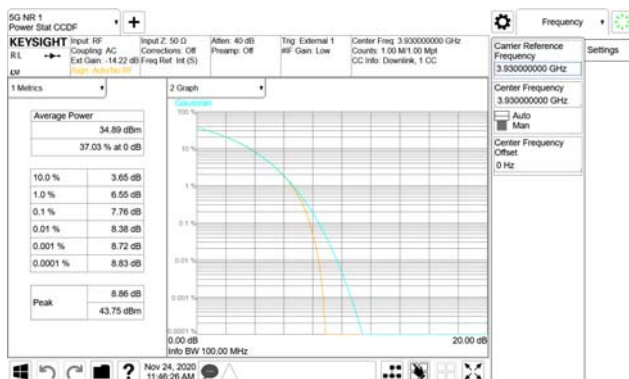
QPSK



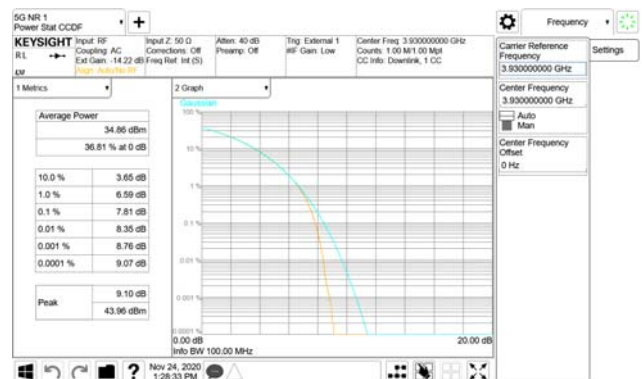
16QAM



64QAM

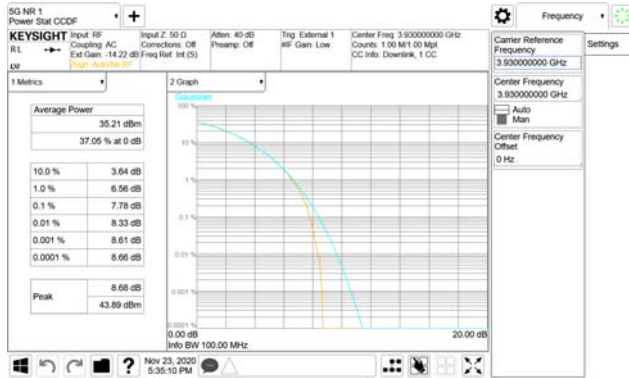


256QAM

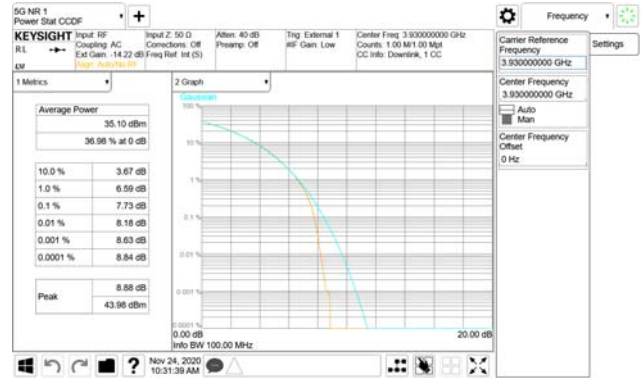


ANT63

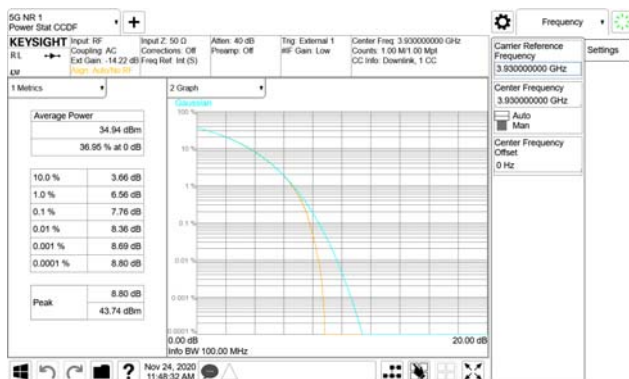
QPSK



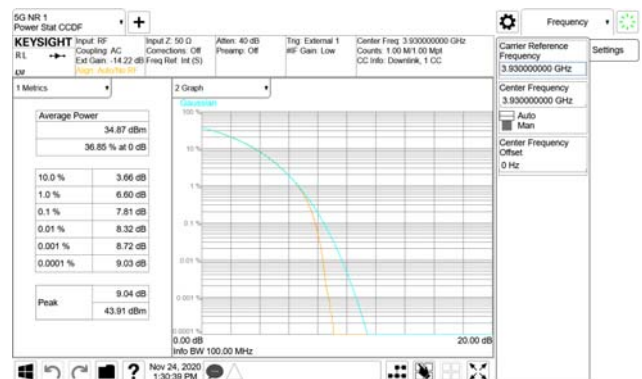
16QAM



64QAM

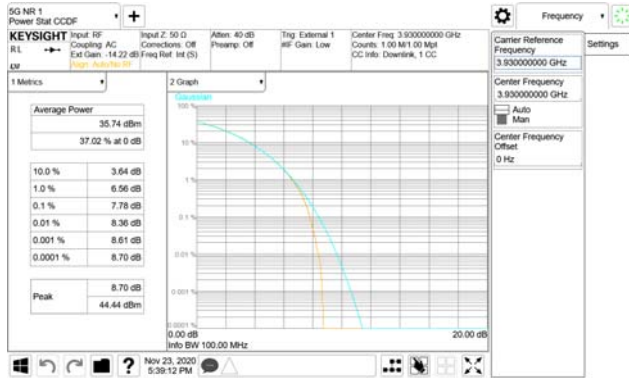


256QAM

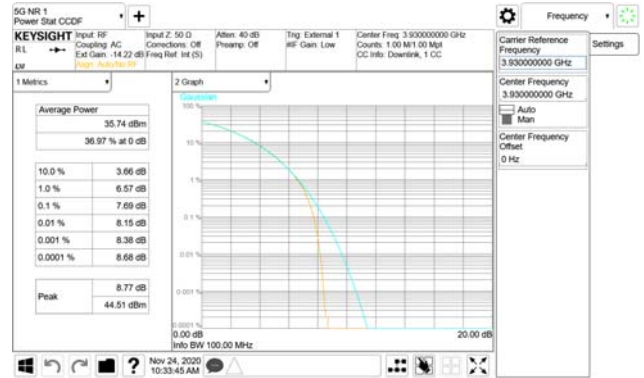


ANT64

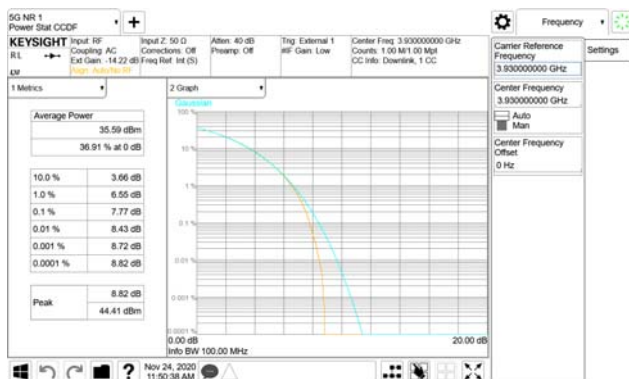
QPSK



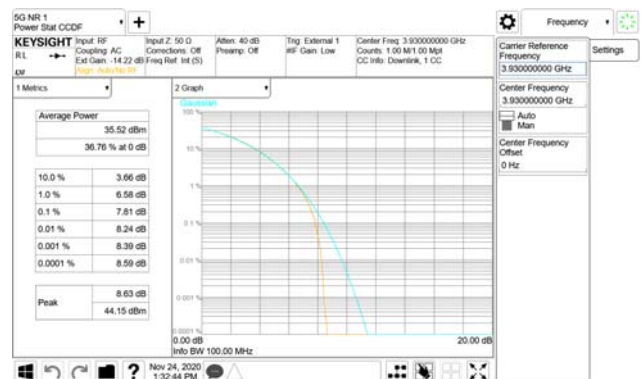
16QAM



64QAM



256QAM



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5. Occupied Bandwidth

Test Requirements :

§ 2.1049 Measurements required : Occupied bandwidth

The occupied bandwidth, that is the frequency bandwidth such that, below its lower and above its upper frequency limits, the mean powers radiated are each equal to 0.5 percent of the total mean power radiated by a given emission shall be measured under the specified conditions of § 2.1049(a) through (i) as applicable.

Test Procedures :

The RF output of the transmitter was connected to the input of the spectrum analyzer through sufficient attenuation. The EUT was connected to a spectrum analyzer enabled with an occupied bandwidth in accordance with FCC Part 2.1049. The occupied bandwidth was measured from the fundamental emission at the bottom, middle and top channels. The occupied bandwidth was measured using the built in occupied bandwidth function of the spectrum analyzer. It was set to measure the bandwidth where 99% of the signal power was contained. The analyzer automatically configures the measurement bandwidths to make an accurate measurement based on the channel bandwidth and channel spacing of the EUT.

Test Results :

Test Data : BW 100MHz, Single carrier

Channel position(Bottom)

Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
1	97.39	97.38	97.52	97.13
2	97.38	97.40	97.37	97.13
3	97.39	97.40	97.45	97.14
4	97.40	97.41	97.45	97.13
5	97.40	97.41	97.55	97.14
6	97.40	97.41	97.55	97.13
7	97.39	97.40	97.51	97.13
8	97.40	97.41	97.53	97.14
9	97.40	97.41	97.53	97.13
10	97.39	97.40	97.52	97.12
11	97.38	97.40	97.55	97.13
12	97.39	97.40	97.56	97.13
13	97.39	97.39	97.56	97.14
14	97.39	97.28	97.56	97.14
15	97.38	97.37	97.54	97.13
16	97.39	97.39	97.56	97.14
17	97.39	97.38	97.54	97.12
18	97.39	97.39	97.56	97.13
19	97.39	97.40	97.56	97.13
20	97.39	97.40	97.55	97.13
321	97.39	97.40	97.56	97.13
22	97.38	97.39	97.54	97.13
23	97.39	97.40	97.55	97.13
24	97.39	97.40	97.55	97.13
25	97.39	97.40	97.56	97.13
26	97.36	97.37	97.49	97.09
27	97.38	97.40	97.54	97.13
28	97.39	97.41	97.55	97.14
29	97.39	97.41	97.55	97.13
30	97.38	97.40	97.53	97.12
31	97.39	97.41	97.54	97.13
32	97.39	97.40	97.54	97.13
33	97.40	97.41	97.50	97.14
34	97.39	97.40	97.55	97.14
35	97.39	97.40	97.55	97.13
36	97.39	97.41	97.55	97.13
37	97.40	97.41	97.52	97.14
38	97.39	97.40	97.53	97.13
39	97.39	97.40	97.53	97.14
40	97.40	97.41	97.55	97.14
41	97.41	97.42	97.58	97.15
42	97.40	97.41	97.58	97.14
43	97.40	97.41	97.58	97.14
44	97.40	97.40	97.58	97.13
45	97.39	97.38	97.54	97.13
46	97.40	97.31	97.56	97.13
47	97.40	97.38	97.57	97.14
48	97.39	97.38	97.54	97.13
49	97.40	97.40	97.56	97.14
50	97.39	97.39	97.55	97.13
51	97.38	97.37	97.53	97.13
52	97.39	97.39	97.55	97.13
53	97.39	97.39	97.51	97.14
54	97.39	97.40	97.50	97.14
55	97.40	97.41	97.53	97.14



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Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
56	97.39	97.40	97.51	97.14
57	97.40	97.40	97.52	97.14
58	97.39	97.39	97.49	97.13
59	97.40	97.41	97.54	97.14
60	97.40	97.41	97.52	97.14
61	97.38	97.39	97.49	97.13
62	97.40	97.41	97.52	97.14
63	97.39	97.40	97.51	97.13
64	97.40	97.41	97.53	97.15

Channel position(Middle)

Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
1	97.49	97.50	97.58	97.05
2	97.49	97.49	97.58	97.06
3	97.51	97.49	97.58	97.05
4	97.48	97.46	97.57	97.04
5	97.51	97.50	97.59	97.06
6	97.53	97.50	97.57	97.05
7	97.52	97.50	97.59	97.06
8	97.51	97.50	97.58	97.05
9	97.52	97.49	97.58	97.06
10	97.51	97.49	97.58	97.06
11	97.50	97.49	97.58	97.05
12	97.53	97.50	97.58	97.04
13	97.42	97.50	97.58	97.05
14	97.51	97.48	97.57	97.04
15	97.51	97.40	97.58	97.04
16	97.52	97.44	97.57	97.03
17	97.51	97.48	97.58	97.05
18	97.53	97.49	97.57	97.04
19	97.52	97.48	97.58	97.04
20	97.53	97.49	97.58	97.04
21	97.51	97.48	97.58	97.04
22	97.42	97.49	97.57	97.03
23	97.53	97.49	97.58	97.04
24	97.52	97.50	97.58	97.05
25	97.53	97.50	97.59	97.06
26	97.57	97.53	97.59	97.06
27	97.54	97.50	97.58	97.05
28	97.51	97.49	97.58	97.05
29	97.54	97.51	97.58	97.05
30	97.54	97.50	97.57	97.04
31	97.53	97.50	97.58	97.04
32	97.52	97.50	97.59	97.06
33	97.44	97.48	97.58	97.05
34	97.47	97.48	97.59	97.06
35	97.48	97.48	97.60	97.07
36	97.45	97.48	97.59	97.06
37	97.48	97.49	97.58	97.05
38	97.48	97.50	97.60	97.08
39	97.48	97.49	97.59	97.07
40	97.46	97.48	97.59	97.06
41	97.46	97.46	97.57	97.04
42	97.48	97.48	97.60	97.08
43	97.48	97.48	97.57	97.04
44	97.47	97.49	97.59	97.06
45	97.47	97.48	97.60	97.08
46	97.47	97.47	97.59	97.07
47	97.48	97.51	97.59	97.07
48	97.47	97.52	97.59	97.06
49	97.47	97.48	97.58	97.06
50	97.46	97.47	97.59	97.07
51	97.47	97.48	97.58	97.05
52	97.48	97.48	97.59	97.06
53	97.47	97.47	97.59	97.06
54	97.44	97.47	97.58	97.05
55	97.46	97.49	97.59	97.06



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Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
56	97.45	97.48	97.57	97.04
57	97.46	97.49	97.58	97.04
58	97.46	97.48	97.58	97.06
59	97.45	97.47	97.58	97.05
60	97.45	97.49	97.59	97.06
61	97.47	97.49	97.58	97.05
62	97.46	97.48	97.59	97.06
63	97.46	97.49	97.59	97.06
64	97.44	97.48	97.59	97.05

Channel position(Top)

Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
1	97.40	97.37	97.36	97.37
2	97.46	97.39	97.38	97.39
3	97.33	97.38	97.33	97.38
4	97.48	97.42	97.39	97.42
5	97.47	97.40	97.38	97.40
6	97.47	97.39	97.38	97.39
7	97.41	97.39	97.36	97.39
8	97.49	97.43	97.42	97.43
9	97.48	97.42	97.40	97.42
10	97.37	97.38	97.35	97.38
11	97.39	97.39	97.35	97.39
12	97.32	97.36	97.34	97.36
13	97.44	97.41	97.37	97.41
14	97.46	97.41	97.38	97.41
15	97.31	97.36	97.32	97.36
16	97.22	97.33	97.27	97.33
17	97.37	97.37	97.35	97.37
18	97.48	97.41	97.39	97.41
19	97.44	97.39	97.37	97.39
20	97.50	97.43	97.42	97.43
21	97.47	97.40	97.39	97.40
22	97.43	97.40	97.37	97.40
23	97.42	97.39	97.37	97.39
24	97.45	97.41	97.38	97.41
25	97.48	97.41	97.39	97.41
26	97.40	97.37	97.36	97.37
27	97.41	97.39	97.36	97.39
28	97.40	97.40	97.36	97.40
29	97.42	97.40	97.37	97.40
30	97.28	97.36	97.31	97.36
31	97.46	97.40	97.41	97.40
32	97.33	97.37	97.34	97.37
33	97.46	97.41	97.41	97.41
34	97.47	97.43	97.43	97.43
35	97.43	97.41	97.39	97.41
36	97.46	97.42	97.43	97.42
37	97.46	97.41	97.42	97.41
38	97.47	97.42	97.42	97.42
39	97.47	97.42	97.40	97.42
40	97.47	97.43	97.44	97.43
41	97.49	97.43	97.41	97.43
42	97.44	97.40	97.41	97.40
43	97.44	97.42	97.39	97.42
44	97.43	97.39	97.39	97.39
45	97.45	97.40	97.41	97.40
46	97.46	97.41	97.42	97.41
47	97.47	97.41	97.41	97.41
48	97.46	97.40	97.40	97.40
49	97.42	97.39	97.38	97.39
50	97.46	97.40	97.41	97.40
51	97.38	97.37	97.36	97.37
52	97.43	97.39	97.38	97.39
53	97.31	97.37	97.35	97.37
54	97.46	97.42	97.43	97.42
55	97.38	97.38	97.38	97.38



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Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
56	97.44	97.40	97.43	97.40
57	97.45	97.40	97.40	97.40
58	97.36	97.37	97.36	97.37
59	97.47	97.41	97.41	97.41
60	97.26	97.35	97.33	97.35
61	97.31	97.37	97.34	97.37
62	97.24	97.34	97.31	97.34
63	97.45	97.40	97.39	97.40
64	97.36	97.37	97.37	97.37

Test Data : Multi carrier(Contiguous)

Channel position(Bottom)

Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
1	196.00	195.60	195.74	195.25
2	195.92	195.54	195.71	195.24
3	195.99	195.58	195.73	195.24
4	196.00	195.56	195.74	195.24
5	196.02	195.59	195.74	195.27
6	196.03	195.60	195.74	195.32
7	196.00	195.60	195.73	195.31
8	196.00	195.58	195.72	195.28
9	196.03	195.61	195.73	195.32
10	196.00	195.60	195.72	195.31
11	196.00	195.58	195.71	195.30
12	196.02	195.61	195.73	195.31
13	195.98	195.57	195.71	195.30
14	195.97	195.57	195.71	195.29
15	195.97	195.57	195.71	195.30
16	195.98	195.57	195.71	195.28
17	196.04	195.64	195.75	195.32
18	195.99	195.58	195.72	195.28
19	195.98	195.58	195.72	195.29
20	195.96	195.58	195.71	195.28
21	196.02	195.59	195.72	195.29
22	195.99	195.54	195.70	195.25
23	196.01	195.60	195.73	195.30
24	195.98	195.55	195.71	195.28
25	196.00	195.59	195.72	195.30
26	195.88	195.51	195.67	195.23
27	195.93	195.55	195.69	195.27
28	195.96	195.58	195.71	195.29
29	195.98	195.58	195.71	195.29
30	195.93	195.55	195.69	195.27
31	195.98	195.58	195.72	195.29
32	195.98	195.58	195.71	195.29
33	196.09	195.63	195.76	195.33
34	196.07	195.56	195.75	195.33
35	196.05	195.53	195.74	195.31
36	196.06	195.53	195.74	195.31
37	196.05	195.55	195.74	195.30
38	196.04	195.56	195.74	195.32
39	196.01	195.54	195.73	195.30
40	196.03	195.55	195.74	195.32
41	196.05	195.59	195.75	195.35
42	196.05	195.59	195.73	195.33
43	196.03	195.56	195.72	195.30
44	196.06	195.57	195.73	195.31
45	195.99	195.53	195.69	195.28
46	196.02	195.53	195.70	195.28
47	196.05	195.56	195.72	195.30
48	196.05	195.56	195.71	195.29
49	196.05	195.54	195.72	195.30
50	196.07	195.56	195.73	195.33
51	196.03	195.52	195.70	195.29
52	196.06	195.55	195.72	195.31
53	196.04	195.54	195.71	195.31
54	196.05	195.55	195.72	195.30
55	196.11	195.60	195.75	195.35



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Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
56	196.02	195.53	195.71	195.30
57	196.03	195.56	195.72	195.31
58	196.03	195.55	195.71	195.32
59	196.05	195.57	195.72	195.31
60	196.00	195.54	195.71	195.29
61	195.92	195.50	195.69	195.26
62	196.03	195.56	195.72	195.30
63	196.03	195.54	195.71	195.29
64	196.05	195.56	195.73	195.32

Channel position(Middle)

Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
1	196.23	195.76	195.92	195.45
2	196.18	195.70	195.92	195.44
3	196.16	195.66	195.89	195.42
4	196.15	195.66	195.93	195.43
5	196.19	195.72	195.92	195.44
6	196.23	195.73	195.93	195.46
7	196.21	195.71	195.91	195.44
8	196.24	195.74	195.92	195.45
9	196.26	195.73	195.95	195.47
10	196.19	195.66	195.94	195.45
11	196.15	195.65	195.92	195.43
12	196.20	195.69	195.97	195.46
13	196.22	195.68	195.92	195.44
14	196.22	195.71	195.90	195.44
15	196.19	195.67	195.90	195.44
16	196.20	195.69	195.93	195.45
17	196.22	195.72	195.93	195.45
18	196.20	195.69	195.93	195.44
19	196.24	195.72	195.92	195.44
20	196.22	195.71	195.91	195.43
21	196.18	195.67	195.89	195.42
22	196.17	195.65	195.91	195.43
23	196.24	195.73	195.90	195.42
24	196.20	195.68	195.88	195.42
25	196.24	195.70	195.92	195.45
26	196.23	195.71	195.93	195.45
27	196.23	195.71	195.90	195.43
28	196.19	195.67	195.89	195.42
29	196.18	195.68	195.93	195.44
30	196.14	195.62	195.92	195.42
31	196.28	195.77	195.90	195.46
32	196.20	195.68	195.93	195.44
33	196.37	195.94	195.96	195.55
34	196.37	195.86	195.96	195.54
35	196.32	195.79	195.91	195.49
36	196.34	195.82	195.90	195.49
37	196.33	195.82	195.93	195.51
38	196.35	195.83	195.94	195.53
39	196.28	195.76	195.89	195.44
40	196.33	195.83	195.88	195.52
41	196.32	195.78	195.91	195.48
42	196.36	195.82	195.93	195.51
43	196.33	195.77	195.95	195.49
44	196.33	195.80	195.93	195.51
45	196.34	195.80	195.93	195.50
46	196.35	195.82	195.91	195.51
47	196.35	195.80	195.93	195.50
48	196.36	195.84	195.95	195.52
49	196.34	195.80	195.92	195.52
50	196.34	195.82	195.93	195.52
51	196.34	195.81	195.92	195.52
52	196.35	195.84	195.92	195.53
53	196.33	195.80	195.90	195.51
54	196.32	195.79	195.90	195.49
55	196.37	195.83	195.94	195.54



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Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
56	196.38	195.86	195.93	195.56
57	196.36	195.81	195.95	195.52
58	196.37	195.83	195.94	195.51
59	196.34	195.79	195.92	195.50
60	196.34	195.80	195.92	195.50
61	196.34	195.80	195.94	195.49
62	196.34	195.80	195.93	195.50
63	196.40	195.85	195.99	195.55
64	196.30	195.83	195.96	195.51

Channel position(Top)

Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
1	196.02	194.81	195.95	195.36
2	196.03	194.90	195.97	195.39
3	195.99	194.74	195.89	195.33
4	196.03	194.84	195.96	195.39
5	196.03	194.85	195.92	195.38
6	196.05	194.84	195.98	195.39
7	196.04	194.83	195.92	195.37
8	196.07	194.89	195.99	195.42
9	196.06	194.90	195.99	195.42
10	196.01	194.81	195.92	195.36
11	196.03	194.78	195.96	195.36
12	196.04	194.79	195.97	195.37
13	196.03	194.82	195.92	195.37
14	196.04	194.84	195.98	195.39
15	196.02	194.76	195.95	195.35
16	195.95	194.66	195.87	195.27
17	196.01	194.78	195.94	195.34
18	196.07	194.86	195.99	195.41
19	196.03	194.82	195.95	195.36
20	196.08	194.93	195.97	195.40
21	196.04	194.83	195.96	195.38
22	196.04	194.82	195.93	195.34
23	196.04	194.81	195.96	195.38
24	196.04	194.83	195.96	195.38
25	196.03	194.84	195.96	195.38
26	196.06	194.86	195.96	195.37
27	196.02	194.82	195.97	195.38
28	196.02	194.82	195.95	195.37
29	196.03	194.82	195.97	195.37
30	195.98	194.72	195.87	195.28
31	196.07	194.91	195.99	195.43
32	196.00	194.76	195.94	195.33
33	195.99	194.89	195.92	195.38
34	196.01	195.02	195.92	195.40
35	195.96	194.85	195.87	195.34
36	196.00	195.03	195.91	195.38
37	196.00	194.90	195.92	195.39
38	195.99	194.97	195.91	195.38
39	195.97	194.86	195.90	195.37
40	196.00	194.93	195.92	195.39
41	196.00	194.91	195.91	195.36
42	195.99	194.85	195.90	195.36
43	195.99	194.80	195.90	195.34
44	195.99	194.83	195.90	195.34
45	195.98	194.96	195.88	195.35
46	195.99	194.98	195.90	195.37
47	196.00	194.89	195.90	195.36
48	195.99	194.89	195.90	195.34
49	195.97	194.87	195.88	195.34
50	195.98	194.88	195.89	195.36
51	195.97	194.85	195.88	195.33
52	195.98	194.89	195.90	195.36
53	195.95	194.79	195.85	195.31
54	196.01	195.06	195.90	195.37
55	195.98	194.86	195.89	195.33



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Antenna port	Occupied Bandwidth(MHz)			
	Modulation Type			
	QPSK	16QAM	64QAM	256QAM
56	196.02	195.30	195.91	195.39
57	195.99	194.87	195.89	195.33
58	195.97	194.81	195.87	195.29
59	196.00	194.89	195.89	195.34
60	195.93	194.76	195.83	195.26
61	195.96	194.76	195.89	195.29
62	195.93	194.73	195.84	195.26
63	195.99	194.86	195.88	195.34
64	195.97	194.79	195.88	195.29

Test Data : Multi carrier(Non-contiguous)

Antenna port	Occupied Bandwidth(MHz)							
	Modulation Type							
	QPSK		16QAM		64QAM		256QAM	
	1st FA CC0	2nd FA CC1	1st FA CC0	2nd FA CC1	1st FA CC0	2nd FA CC1	1st FA CC0	2nd FA CC1
1	97.25	97.09	97.34	97.12	97.45	97.21	97.09	96.86
2	97.21	97.11	97.30	97.17	97.44	97.23	97.08	96.87
3	97.26	97.29	97.34	97.12	97.45	97.21	97.09	96.88
4	97.29	97.12	97.35	97.18	97.45	97.23	97.09	96.89
5	97.27	97.12	97.34	97.17	97.45	97.22	97.09	96.88
6	97.29	97.11	97.35	97.18	97.45	97.22	97.09	96.88
7	97.25	97.11	97.32	97.16	97.44	97.22	97.08	96.88
8	97.27	97.15	97.35	97.22	97.45	97.24	97.09	96.90
9	97.27	97.13	97.34	97.21	97.45	97.24	97.08	96.89
10	97.25	97.10	97.32	97.13	97.44	97.21	97.08	96.88
11	97.23	97.10	97.31	97.14	97.44	97.21	97.07	96.88
12	97.29	97.09	97.32	97.12	97.44	97.21	97.08	96.86
13	97.25	97.12	97.32	97.17	97.45	97.23	97.08	96.90
14	97.26	97.11	97.33	97.21	97.45	97.22	97.08	96.89
15	97.23	97.08	97.30	97.11	97.44	97.20	97.07	96.87
16	97.26	97.05	97.33	97.04	97.45	97.19	97.08	96.87
17	97.26	97.08	97.33	97.08	97.44	97.21	97.08	96.86
18	97.26	97.12	97.33	97.21	97.44	97.22	97.08	96.88
19	97.24	97.11	97.33	97.14	97.44	97.22	97.09	96.88
20	97.24	97.14	97.33	97.23	97.44	97.24	97.08	96.90
21	97.27	97.12	97.33	97.18	97.44	97.22	97.08	96.88
22	97.26	97.12	97.32	97.16	97.43	97.22	97.08	96.89
23	97.25	97.11	97.32	97.15	97.44	97.22	97.08	96.88
24	97.25	97.13	97.32	97.19	97.44	97.23	97.08	96.90
25	97.27	97.12	97.34	97.17	97.45	97.22	97.08	96.89
26	97.17	97.10	97.26	97.16	97.40	97.22	97.04	96.87
27	97.24	97.10	97.30	97.14	97.44	97.22	97.07	96.89
28	97.24	97.10	97.32	97.16	97.45	97.22	97.08	96.89
29	97.26	97.10	97.32	97.13	97.45	97.22	97.08	96.89
30	97.24	97.08	97.30	97.05	97.43	97.20	97.07	96.89
31	97.25	97.12	97.32	97.22	97.45	97.23	97.08	96.88
32	97.22	97.09	97.31	97.10	97.45	97.21	97.08	96.88
33	97.27	97.11	97.32	97.22	97.46	97.22	97.10	96.86
34	97.23	97.10	97.28	97.23	97.45	97.23	97.09	96.86
35	97.24	97.12	97.29	97.17	97.45	97.22	97.09	96.88
36	97.22	97.11	97.28	97.22	97.45	97.23	97.10	96.86
37	97.24	97.12	97.28	97.23	97.45	97.23	97.09	96.87
38	97.24	97.13	97.29	97.23	97.45	97.23	97.09	96.88
39	97.23	97.13	97.27	97.22	97.44	97.23	97.09	96.90
40	97.24	97.13	97.30	97.24	97.46	97.24	97.10	96.88
41	97.24	97.13	97.30	97.21	97.46	97.22	97.10	96.89
42	97.24	97.09	97.29	97.20	97.45	97.22	97.09	96.87
43	97.25	97.12	97.30	97.16	97.46	97.22	97.09	96.90
44	97.25	97.11	97.30	97.17	97.46	97.21	97.10	96.87
45	97.19	97.11	97.26	97.20	97.45	97.22	97.09	96.87
46	97.23	97.12	97.28	97.20	97.46	97.22	97.09	96.88
47	97.24	97.12	97.30	97.20	97.46	97.22	97.10	96.88
48	97.21	97.09	97.26	97.17	97.44	97.22	97.09	96.86
49	97.23	97.09	97.27	97.16	97.44	97.21	97.10	96.86
50	97.21	97.10	97.26	97.20	97.45	97.22	97.09	96.85
51	97.17	97.07	97.24	97.13	97.44	97.21	97.08	96.85
52	97.21	97.10	97.27	97.16	97.44	97.22	97.09	96.87
53	97.22	97.08	97.27	97.12	97.44	97.20	97.09	96.85
54	97.22	97.12	97.27	97.23	97.45	97.23	97.10	96.87
55	97.27	97.09	97.31	96.71	97.45	97.21	97.10	96.86



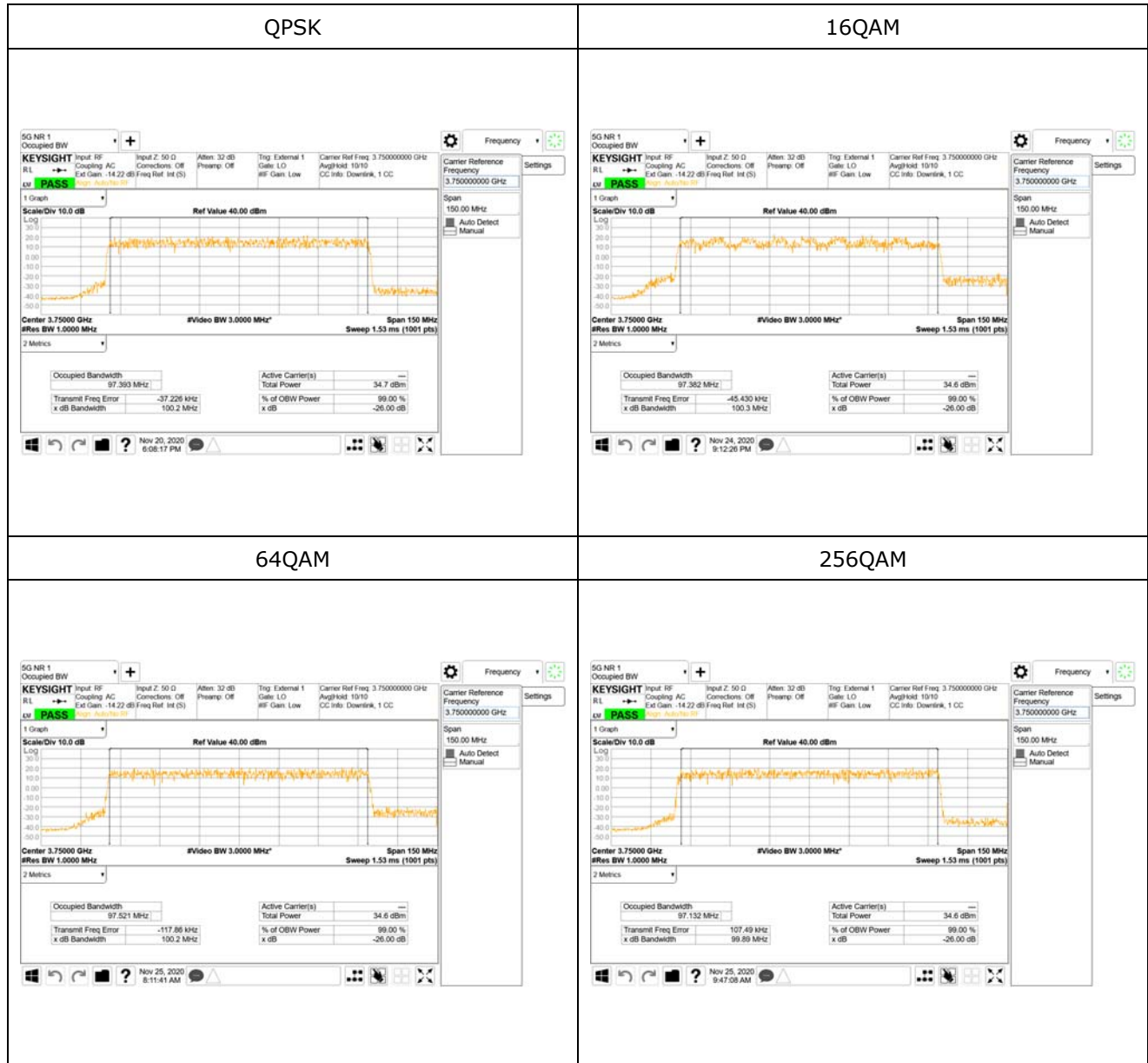
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Antenna port	Occupied Bandwidth(MHz)							
	Modulation Type							
	QPSK		16QAM		64QAM		256QAM	
	1st FA CC0	2 nd FA CC1	1st FA CC0	2 nd FA CC1	1st FA CC0	2 nd FA CC1	1st FA CC0	2 nd FA CC1
56	97.22	97.11	97.27	97.24	97.45	97.23	97.09	96.86
57	97.22	97.10	97.28	97.17	97.46	97.21	97.09	96.87
58	97.20	97.09	97.26	97.12	97.44	97.20	97.09	96.86
59	97.26	97.12	97.30	97.21	97.46	97.22	97.10	96.89
60	97.21	97.06	97.28	97.04	97.45	97.19	97.09	96.86
61	97.18	97.08	97.24	97.09	97.43	97.20	97.08	96.87
62	97.23	97.06	97.28	97.01	97.45	97.19	97.09	96.85
63	97.21	97.10	97.26	97.16	97.44	97.21	97.09	96.87
64	97.23	97.09	97.29	97.13	97.45	97.21	97.10	96.86

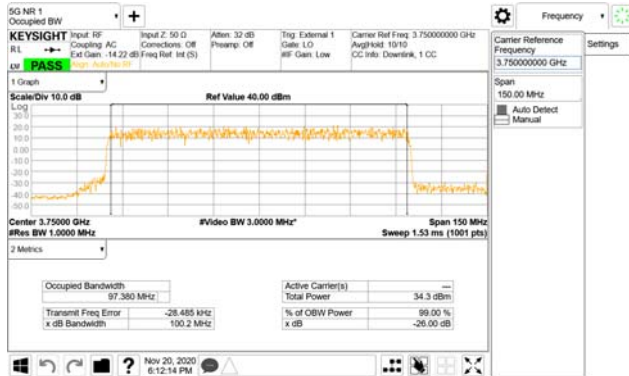
Test Plot at Occupied Bandwidth

BW 100MHz, Single carrier, Bottom ANT1

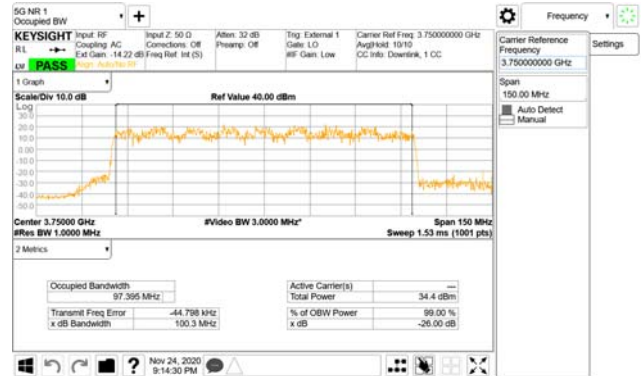


ANT2

QPSK



16QAM



64QAM



256QAM

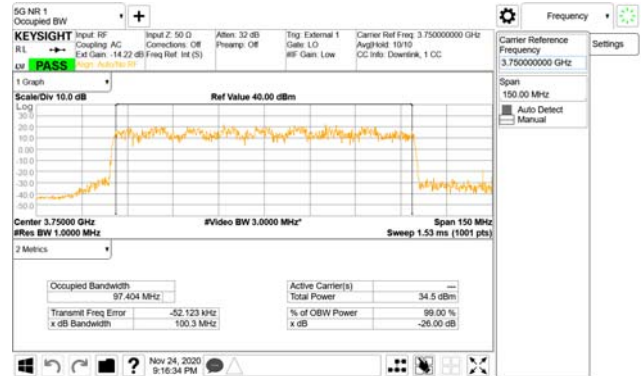


ANT3

QPSK



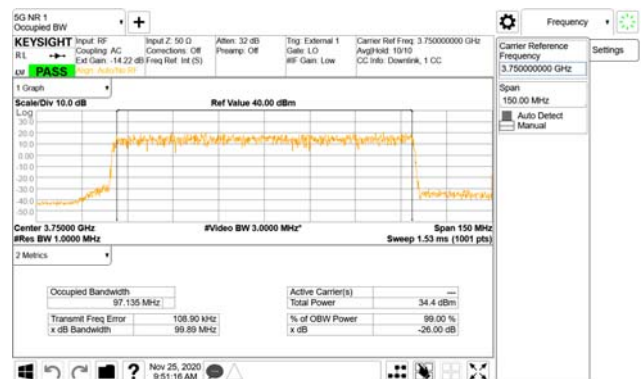
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64QAM



256QAM

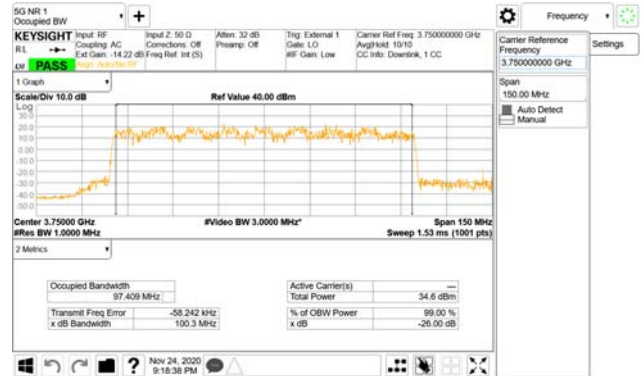


ANT4

QPSK



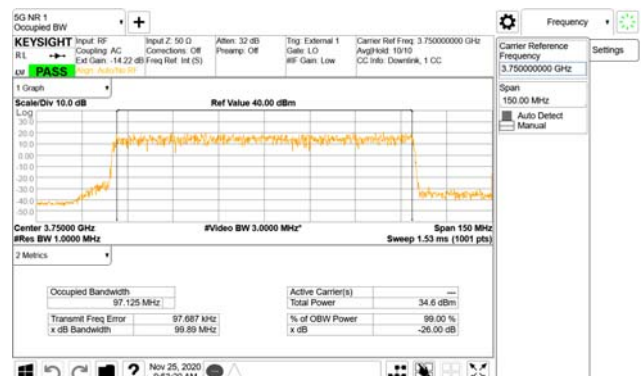
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64QAM



256QAM

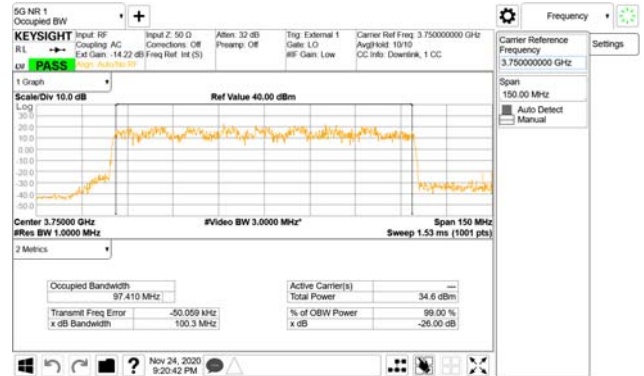


ANT5

QPSK



16QAM



64QAM

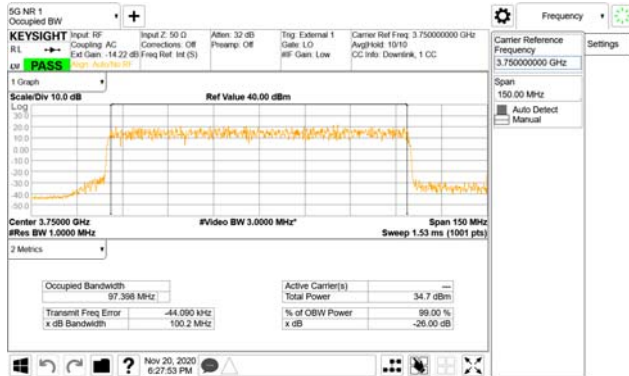


256QAM

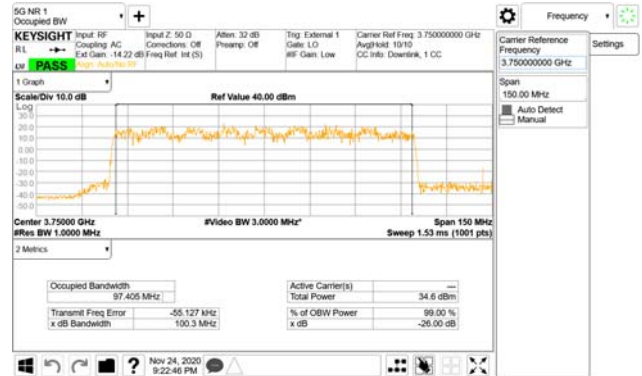


ANT6

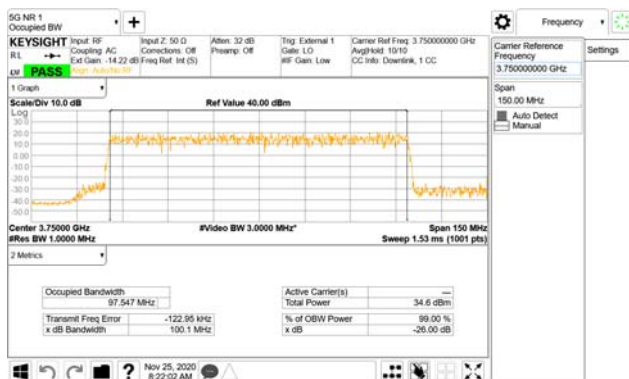
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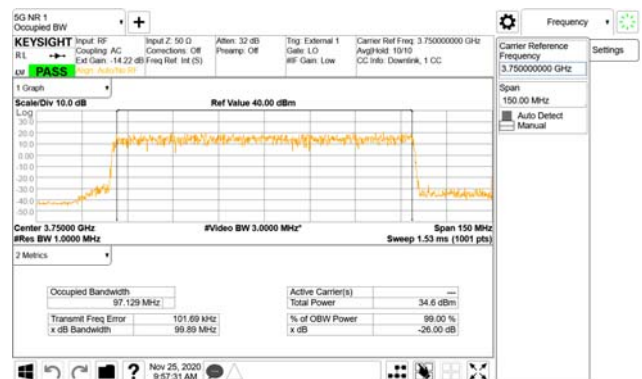
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64QAM



256QAM

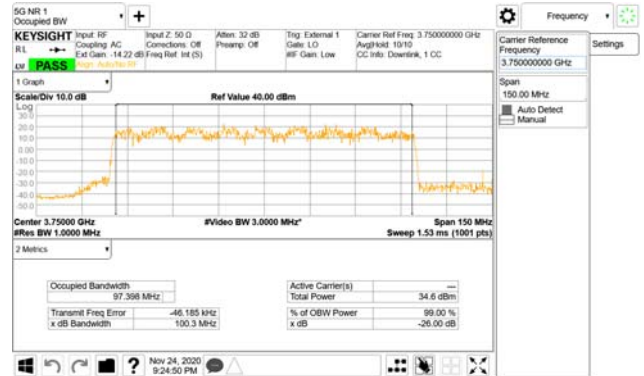


ANT7

QPSK



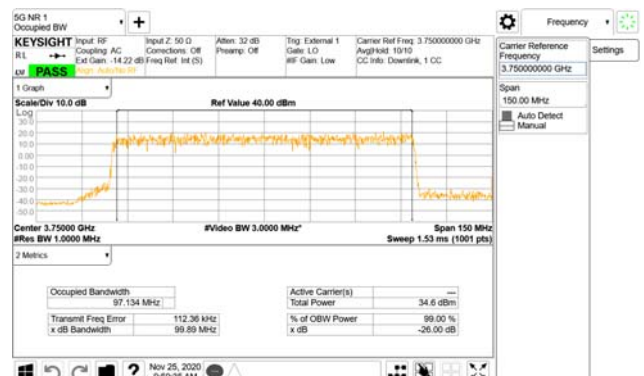
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64QAM



256QAM

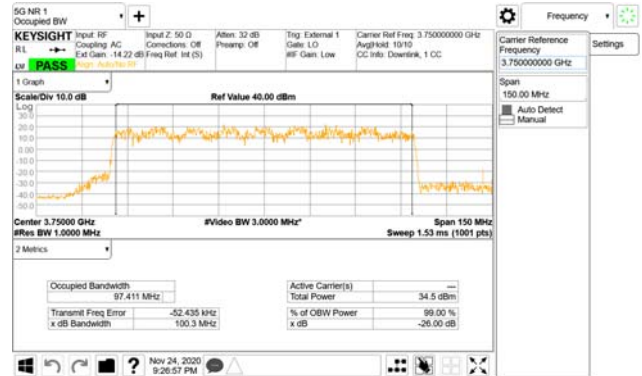


ANT8

QPSK



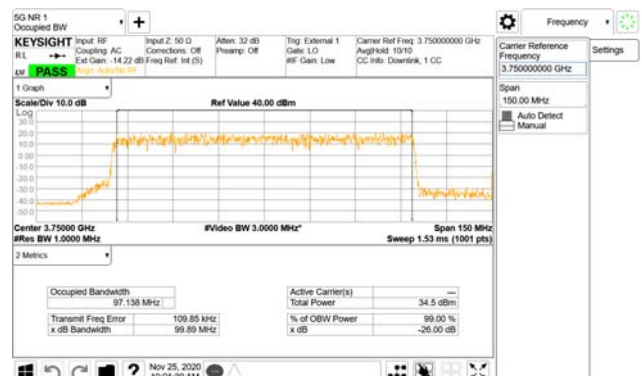
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64QAM



256QAM

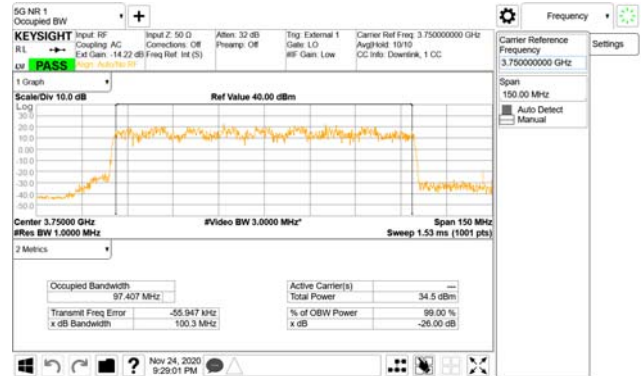


ANT9

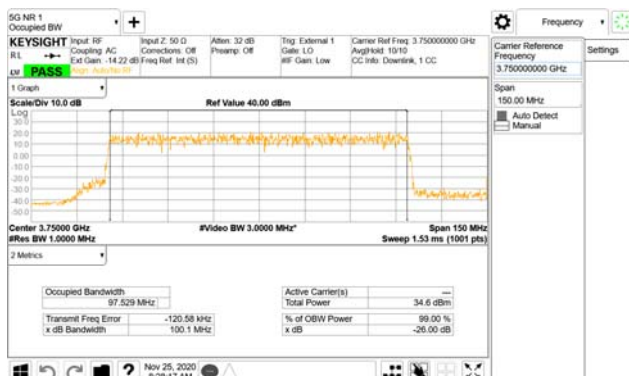
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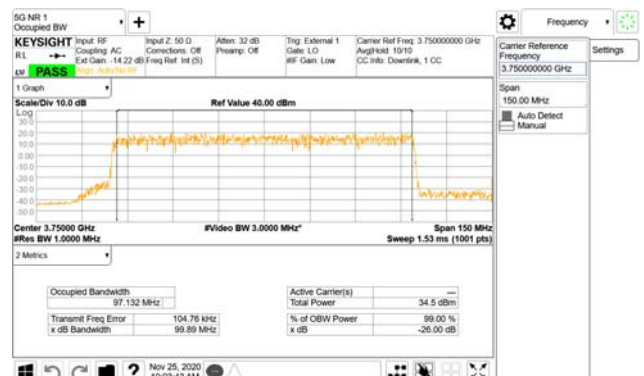
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64QAM



256QAM

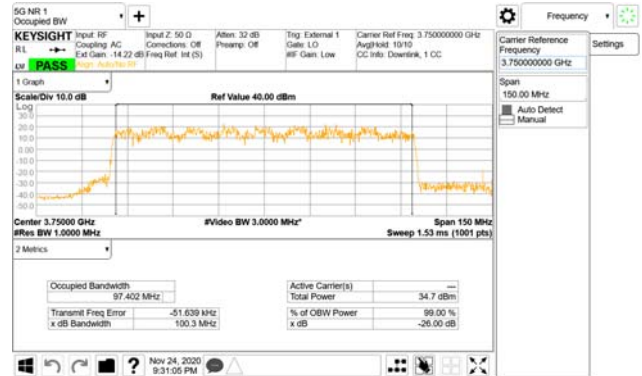


ANT10

QPSK



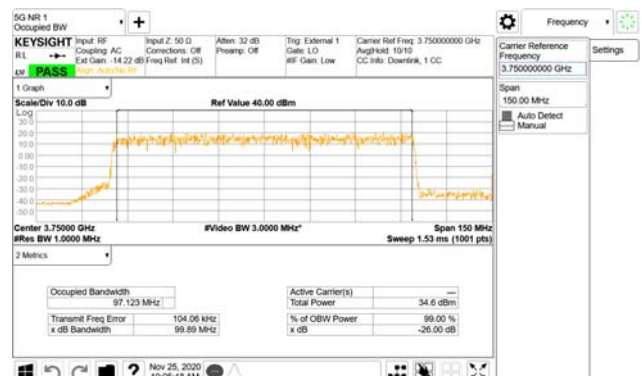
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256QAM

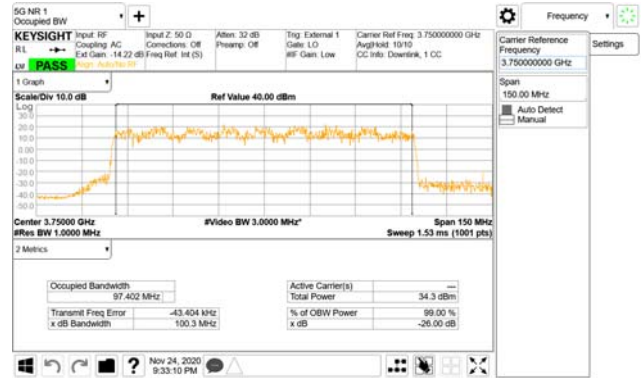


ANT11

QPSK



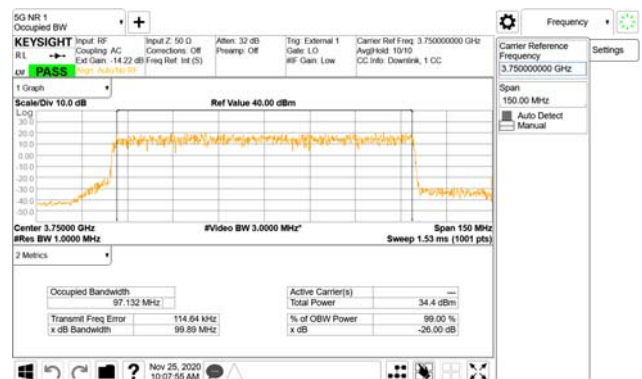
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64QAM



256QAM

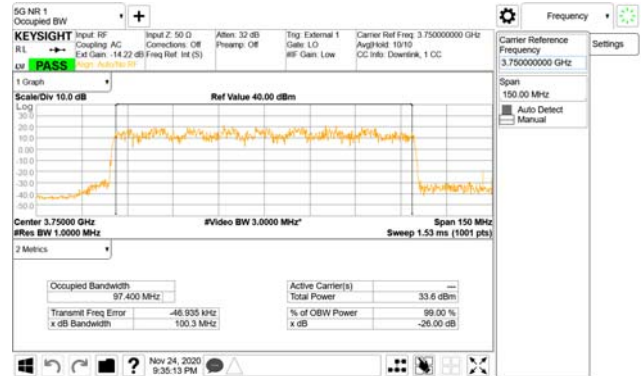


ANT12

QPSK



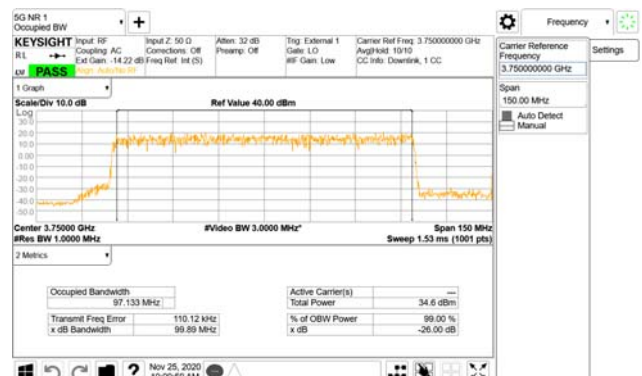
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64QAM



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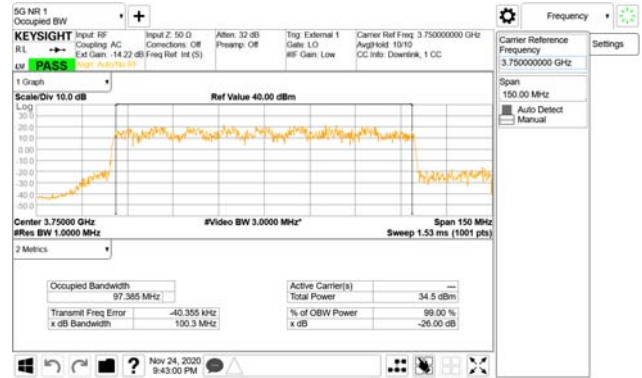


ANT13

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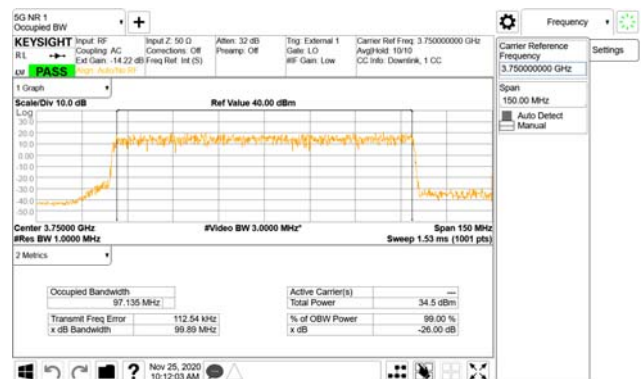
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64QAM



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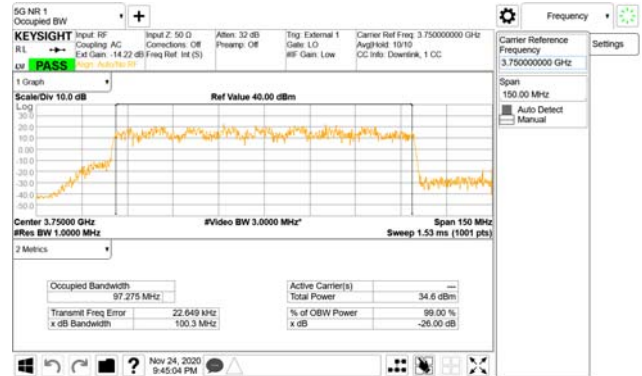


ANT14

QPSK



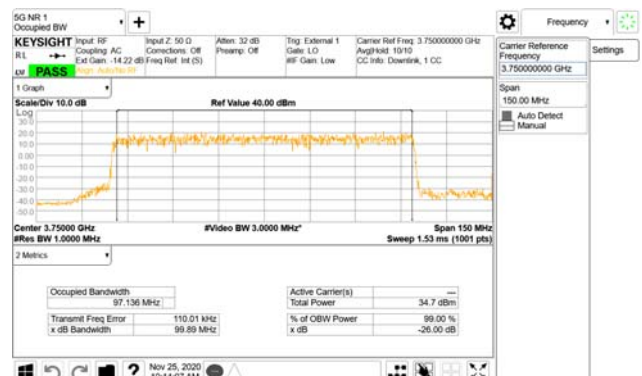
16QAM



64QAM



256QAM

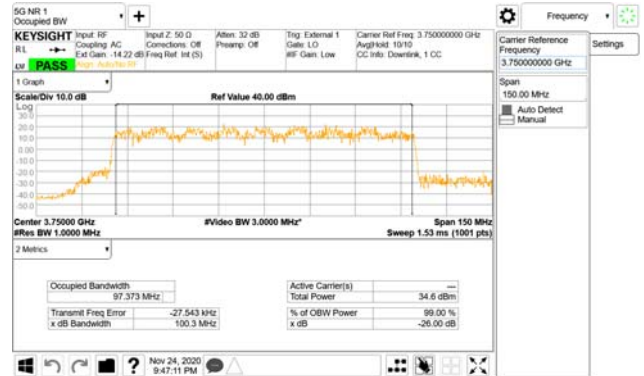


ANT15

QPSK



16QAM



64QAM



256QAM

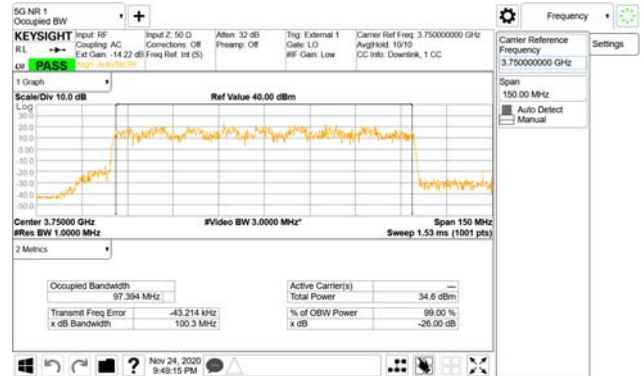


ANT16

QPSK



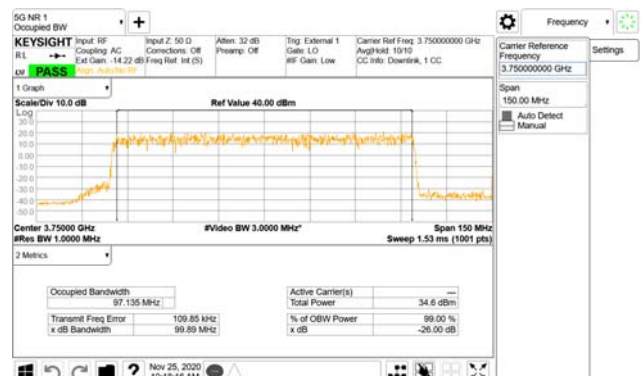
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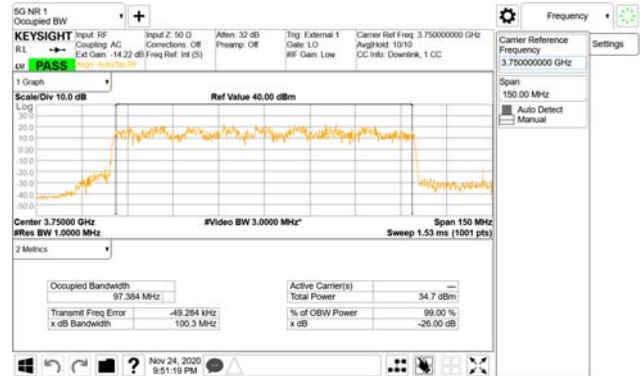


ANT17

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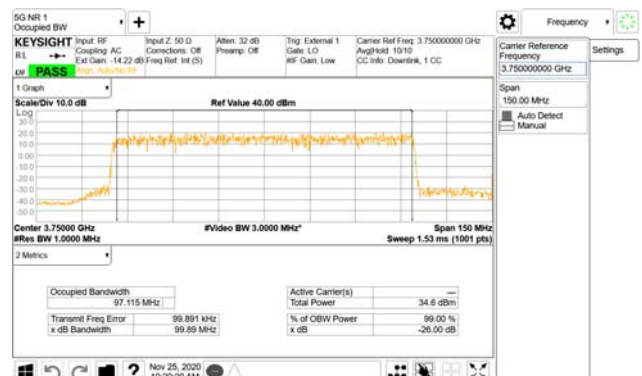
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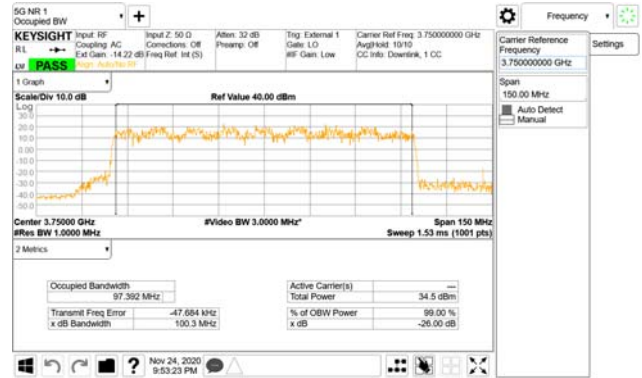


ANT18

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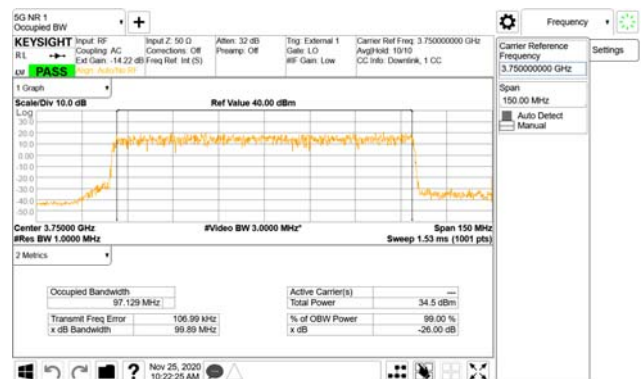
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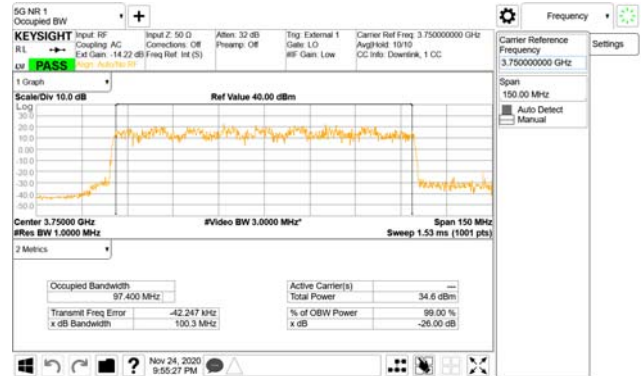


ANT19

QPSK



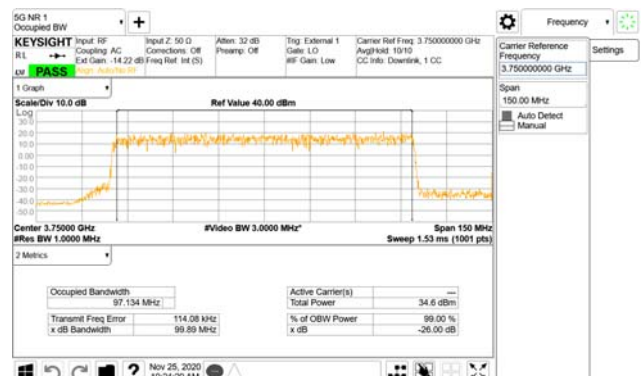
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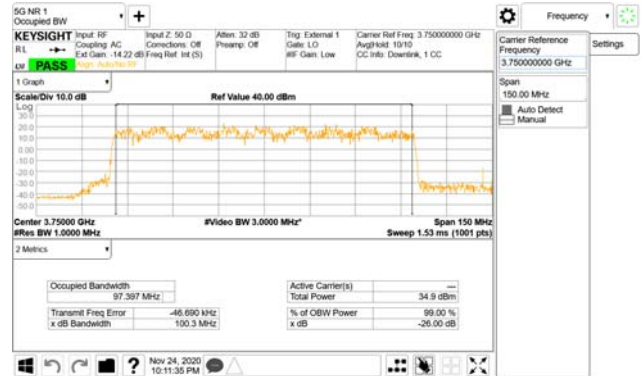


ANT20

QPSK



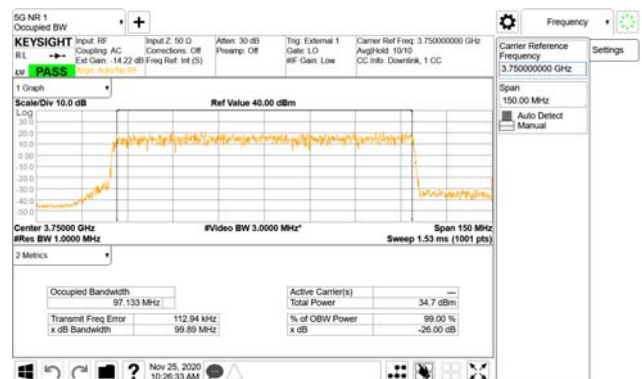
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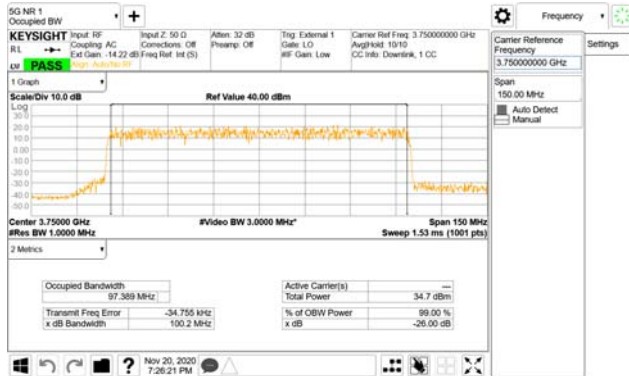


256QAM

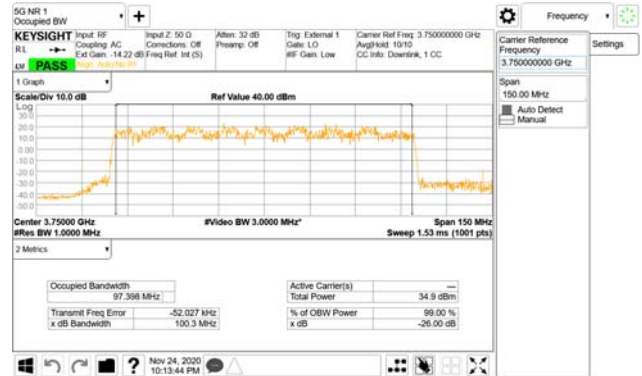


ANT21

QPSK



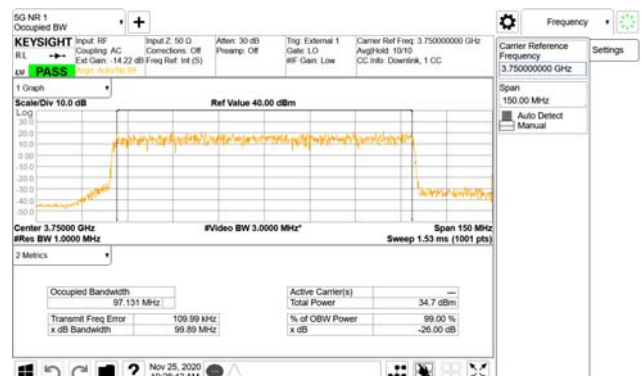
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64QAM



256QAM

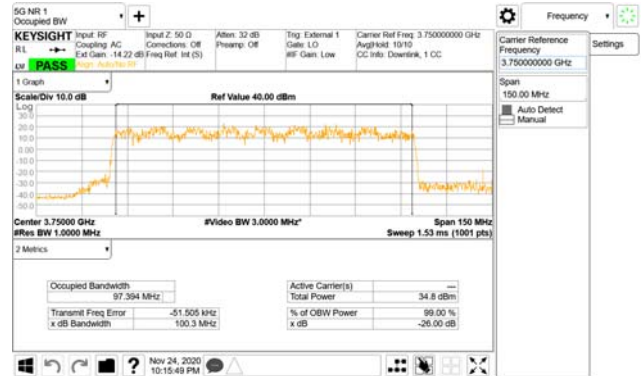


ANT22

QPSK



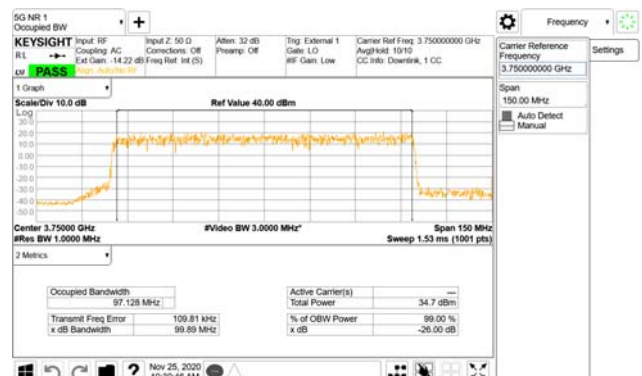
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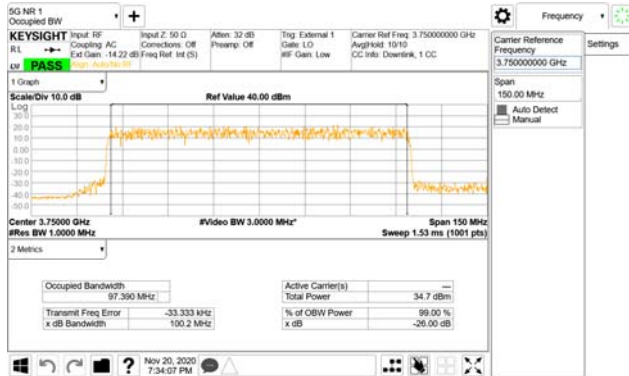


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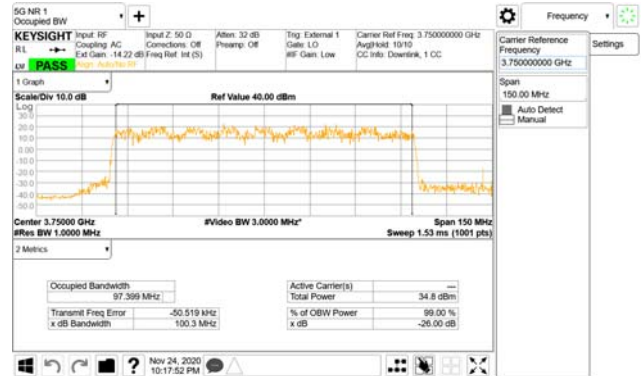


ANT23

QPSK



16QAM



64QAM

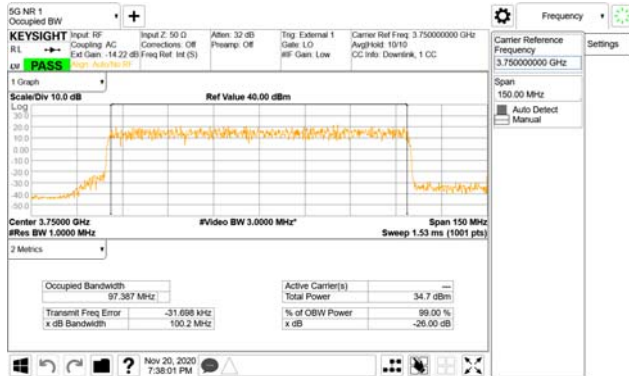


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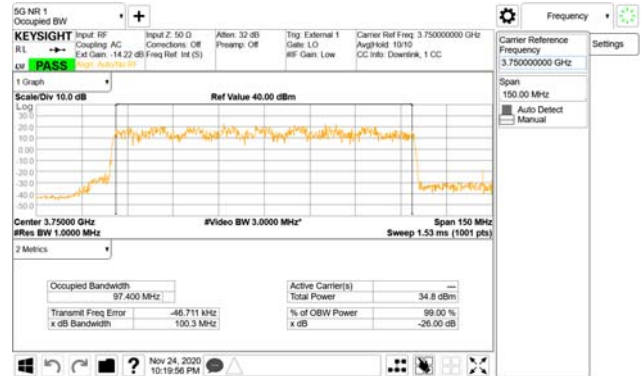


ANT24

QPSK



16QAM



64QAM



256QAM

