

- NR Band: n41
- Bandwidth: 100 MHz
- Modulation: PI/2 BPSK
- Distance: 1 meter
- SCS: 30 kHz

Ch	Freq (MHz)	Measured Level (dBm)	Ant. Gain (dBi)	Substitute Level (dBm)	C.L	Pol	Result (dBm)	Limit (dBm)	RB	
									Size	Offset
509202 (2546.010)	5 092.02	-62.81	11.29	-63.69	3.78	V	-56.18	-25.00	1	136
	7 638.03	-63.24	11.54	-56.27	4.68	V	-49.41	-25.00		
	10 184.04	-60.70	11.35	-50.66	5.52	H	-44.83	-25.00		
518598 (2592.990)	5 185.98	-63.01	11.61	-64.18	3.80	V	-56.37	-25.00	1	1
	7 778.97	-61.54	11.26	-54.47	4.70	V	-47.91	-25.00		
	10 371.96	-63.22	11.68	-52.13	5.55	V	-46.00	-25.00		
528000 (2640.000)	5 280.00	-63.12	11.88	-65.14	3.80	V	-57.06	-25.00	1	271
	7 920.00	-63.01	11.02	-55.59	4.77	V	-49.34	-25.00		
	10 560.00	-62.59	11.65	-51.65	5.63	V	-45.63	-25.00		

9.3 PEAK-TO-AVERAGE RATIO

Band / BandWidth	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (dB)
Sub6 n41 / 10 MHz	2592.990	BPSK	24	0	3.68
		QPSK			4.62
		16-QAM			5.50
		64-QAM			5.84
		256-QAM			6.63
Sub6 n41 / 15 MHz		BPSK	36		3.62
		QPSK			4.67
		16-QAM			5.54
		64-QAM			5.80
		256-QAM			6.42
Sub6 n41 / 20 MHz		BPSK	50		3.68
		QPSK			4.63
		16-QAM			5.51
		64-QAM			5.92
		256-QAM			6.31
Sub6 n41 / 25 MHz		BPSK	64		4.00
		QPSK			4.90
		16-QAM			5.60
		64-QAM			5.91
		256-QAM			6.66
Sub6 n41 / 30 MHz		BPSK	75		3.59
		QPSK			4.56
		16-QAM			5.50
		64-QAM			5.73
		256-QAM			6.41
Sub6 n41 / 40 MHz		BPSK	100		3.57
		QPSK			4.70
		16-QAM			5.44
		64-QAM			5.84
		256-QAM			6.52

Sub6 n41 / 50 MHz	2592.990	BPSK	128	0	3.88
		QPSK			4.71
		16-QAM			5.54
		64-QAM			5.80
		256-QAM			6.42
Sub6 n41 / 60 MHz		BPSK	162		3.83
		QPSK			4.74
		16-QAM			5.65
		64-QAM			5.99
		256-QAM			6.43
Sub6 n41 / 70 MHz		BPSK	180		3.80
		QPSK			4.82
		16-QAM			5.72
		64-QAM			5.95
		256-QAM			6.44
Sub6 n41 / 80 MHz		BPSK	216		3.88
		QPSK			4.80
		16-QAM			5.76
		64-QAM			6.10
		256-QAM			6.59
Sub6 n41 / 90 MHz	BPSK	243	4.05		
	QPSK		4.80		
	16-QAM		5.76		
	64-QAM		6.07		
	256-QAM		6.57		
Sub6 n41 / 100 MHz	BPSK	270	4.09		
	QPSK		4.99		
	16-QAM		5.82		
	64-QAM		6.09		
	256-QAM		6.53		

Note:

1. Plots of the EUT's Peak- to- Average Ratio are shown Page 397 ~ 456.

9.4 OCCUPIED BANDWIDTH

Band / BandWidth	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	Data (MHz)
Sub6 n41 / 10 MHz	2592.990	BPSK	24	0	8.6280
		QPSK			8.7073
		16-QAM			8.6216
		64-QAM			8.7263
		256-QAM			8.6233
Sub6 n41 / 15 MHz		BPSK	36		12.964
		QPSK			12.955
		16-QAM			13.006
		64-QAM			12.892
		256-QAM			13.100
Sub6 n41 / 20 MHz		BPSK	50		17.900
		QPSK			17.974
		16-QAM			17.917
		64-QAM			17.976
		256-QAM			17.885
Sub6 n41 / 25 MHz		BPSK	64		23.005
		QPSK			22.996
		16-QAM			22.955
		64-QAM			23.022
		256-QAM			22.858
Sub6 n41 / 30 MHz		BPSK	75		26.919
		QPSK			26.886
		16-QAM			26.942
		64-QAM			26.987
		256-QAM			26.807
Sub6 n41 / 40 MHz		BPSK	100		35.781
		QPSK			35.820
		16-QAM			35.692
		64-QAM			35.783
		256-QAM			35.817

Sub6 n41 / 50 MHz	2592.990	BPSK	128	0	45.807
		QPSK			45.514
		16-QAM			45.533
		64-QAM			45.593
		256-QAM			45.667
Sub6 n41 / 60 MHz		BPSK	162		57.790
		QPSK			57.468
		16-QAM			57.847
		64-QAM			57.677
		256-QAM			57.561
Sub6 n41 / 70 MHz		BPSK	180		64.117
		QPSK			64.089
		16-QAM			63.976
		64-QAM			63.982
		256-QAM			64.387
Sub6 n41 / 80 MHz		BPSK	216		76.690
		QPSK			76.855
		16-QAM			76.745
		64-QAM			76.300
		256-QAM			76.684
Sub6 n41 / 90 MHz		BPSK	243		86.323
		QPSK			86.146
		16-QAM			86.281
		64-QAM			86.234
		256-QAM			86.242
Sub6 n41 / 100 MHz	BPSK	270	96.038		
	QPSK		96.289		
	16-QAM		96.214		
	64-QAM		95.922		
	256-QAM		95.840		

Note:

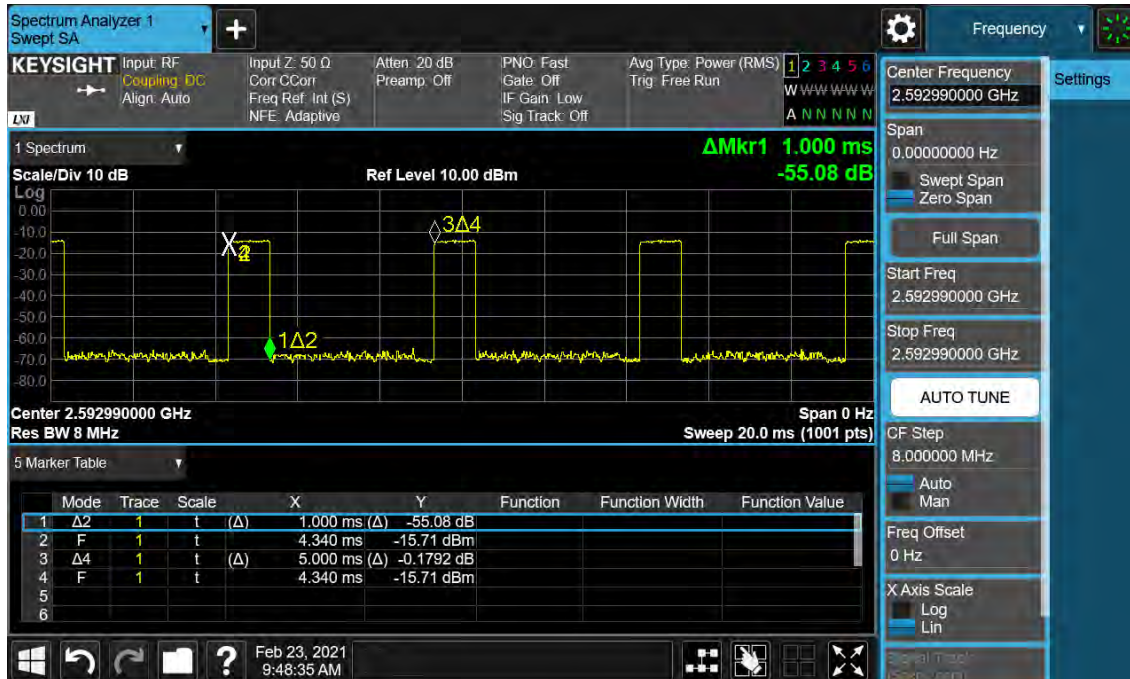
1. Plots of the EUT's Occupied Bandwidth are shown Page 457 ~ 516.

9.5 CONDUCTED SPURIOUS EMISSIONS

Band / Band Width (MHz)	Frequency (MHz)	Frequency of Maximum Harmonic (GHz)	Factor (dB)	Measurement Maximum Data (dBm)	Result (dBm)	Limit (dBm)
Sub 6 n41 / 10	2501.010	5.0085	37.805	-76.285	-38.480	-25.00
	2592.990	8.0150	37.805	-75.389	-37.584	
	2685.000	9.6849	37.805	-77.030	-39.225	
Sub 6 n41 / 15	2503.500	9.7527	37.805	-76.620	-38.815	
	2592.990	8.2742	37.805	-76.291	-38.486	
	2682.480	8.0384	37.805	-77.224	-39.419	
Sub 6 n41 / 20	2506.020	3.8236	37.190	-76.694	-39.504	
	2592.990	5.2184	37.805	-76.163	-38.358	
	2679.990	4.0708	37.190	-76.352	-39.162	
Sub 6 n41 / 25	2508.510	9.1521	37.805	-76.344	-38.539	
	2592.990	9.1147	37.805	-76.576	-38.771	
	2677.500	4.0215	37.190	-76.531	-39.341	
Sub 6 n41 / 30	2511.000	4.0275	37.190	-76.064	-38.874	
	2592.990	7.7403	37.805	-76.385	-38.580	
	2674.980	4.0255	37.190	-76.919	-39.729	
Sub 6 n41 / 40	2516.010	6.0354	37.805	-76.296	-38.491	
	2592.990	7.9706	37.805	-76.665	-38.860	
	2670.000	5.1950	37.805	-76.184	-38.379	
Sub 6 n41 / 50	2521.020	4.0444	37.190	-75.539	-38.349	
	2592.990	9.7183	37.805	-76.224	-38.419	
	2664.990	7.1571	37.805	-76.660	-38.855	
Sub 6 n41 / 60	2526.000	8.8764	37.805	-76.399	-38.594	
	2592.990	3.8041	37.190	-75.900	-38.710	
	2659.980	4.0524	37.190	-76.501	-39.311	
Sub 6 n41 / 70	2531.010	4.0479	37.190	-76.253	-39.063	
	2592.990	3.7523	37.190	-76.708	-39.518	
	2655.000	9.9766	37.805	-77.149	-39.344	
Sub 6 n41 / 80	2536.020	8.0225	37.805	-76.689	-38.884	
	2592.990	5.7244	37.805	-75.879	-38.074	
	2649.990	3.7658	37.190	-75.860	-38.670	
Sub 6 n41 / 90	2541.000	6.0404	37.805	-75.707	-37.902	
	2592.990	4.0225	37.190	-76.336	-39.146	
	2644.980	4.0619	37.190	-76.641	-39.451	
Sub 6 n41 / 100	2546.010	8.0060	37.805	-75.275	-37.470	
	2592.990	4.0499	37.190	-75.850	-38.660	
	2640.000	9.6705	37.805	-76.964	-39.159	

Note:

1. Plots of the EUT's Conducted Spurious Emissions are shown Page 517 ~ 588.
2. Duty Cycle factor already applied on the factor.
- Duty Cycle Factor(dB) = 6.99



- Factor(dB) = Duty Cycle factor + Cable Loss + Ext. Attenuator + Power Splitter

- Result(dBm) = Reading + Factor

3. Factor(dB)

Frequency Range (GHz)	Factor [dB]
0.03 – 1	34.484
1 – 5	37.190
5 – 10	37.805
10 – 15	38.330
15 – 20	38.703
Above 20	39.345

9.6 CHANNEL EDGE

BW (MHz)	Frequency (MHz)	Mod	RB (Size/ Offset)	2 495 MHz ~ 2 496 MHz	C.E ~ (C.E +1MHz)	2 490.5 MHz ~ 2 495 MHz	(C.E + 1 MHz) ~ (C.E + 5 MHz)	Below 2 490.5 MHz	(C.E + 5 MHz) ~ (C.E + X MHz)	Above (C.E + X MHz)
				Lower	Upper	Lower	Upper	Lower	Upper	Upper
10	2501.010	BPSK	Full RB	-26.20	-24.84	-29.91	-26.69	-34.26	-24.43	-36.99
15	2503.500	BPSK	Full RB	-26.39	-30.50	-31.48	-28.38	-33.92	-27.18	-39.32
20	2506.020	BPSK	Full RB	-26.54	-28.06	-32.74	-26.95	-35.08	-25.51	-40.20
25	2508.510	BPSK	Full RB	-28.39	-30.16	-35.27	-31.53	-36.21	-29.06	-44.69
30	2511.000	BPSK	Full RB	-29.56	-32.17	-35.45	-31.50	-37.11	-30.99	-46.61
40	2516.010	BPSK	Full RB	-27.07	-32.48	-31.69	-32.93	-35.73	-31.13	-43.91
50	2521.020	BPSK	Full RB	-28.06	-32.14	-31.78	-32.44	-33.09	-30.55	-44.13
60	2526.000	BPSK	Full RB	-19.86	-21.15	-32.92	-32.18	-33.81	-29.66	-44.25
70	2531.010	BPSK	Full RB	-26.55	-29.31	-30.72	-31.60	-33.80	-30.96	-44.53
80	2536.020	BPSK	Full RB	-26.58	-28.78	-35.40	-29.58	-36.74	-29.41	-45.40
90	2541.000	BPSK	Full RB	-24.21	-24.90	-28.25	-24.30	-32.58	-25.64	-32.36
100	2546.010	BPSK	Full RB	-23.37	-28.26	-32.45	-28.92	-34.51	-29.14	-46.23
Limit (dBm)				-13.0	-10.0	-13.0	-10.0	-25.0	-13.0	-25.0

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	C.E ~ (C.E $\pm$ 1 MHz)		(C.E $\pm$ 1 MHz) ~ (C.E $\pm$ 5 MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-22.76	-22.63	-21.53	-22.38
	2685.000	BPSK	Full RB	0	-21.02	-24.89	-23.10	-26.89
15 MHz	2592.990	BPSK	Full RB	0	-22.85	-27.46	-23.63	-25.96
	2682.480	BPSK	Full RB	0	-21.50	-30.86	-23.82	-28.65
20 MHz	2592.990	BPSK	Full RB	0	-22.27	-23.86	-22.95	-22.98
	2679.990	BPSK	Full RB	0	-22.17	-23.92	-23.07	-22.09
25 MHz	2592.990	BPSK	Full RB	0	-23.16	-25.15	-24.57	-24.68
	2677.500	BPSK	Full RB	0	-22.46	-24.15	-23.40	-24.04
30 MHz	2592.990	BPSK	Full RB	0	-23.13	-25.28	-25.39	-26.31
	2674.980	BPSK	Full RB	0	-24.85	-30.34	-28.82	-30.35
40 MHz	2592.990	BPSK	Full RB	0	-22.66	-21.78	-22.05	-24.60
	2670.000	BPSK	Full RB	0	-22.52	-27.50	-23.94	-27.42
50 MHz	2592.990	BPSK	Full RB	0	-23.33	-27.81	-26.30	-29.72
	2664.990	BPSK	Full RB	0	-24.82	-25.40	-27.23	-26.25
60 MHz	2592.990	BPSK	Full RB	0	-19.11	-22.07	-29.60	-30.61
	2659.980	BPSK	Full RB	0	-20.25	-19.41	-27.43	-25.68
70 MHz	2592.990	BPSK	Full RB	0	-25.68	-31.50	-30.58	-31.50
	2655.000	BPSK	Full RB	0	-23.80	-23.58	-25.32	-24.59
80 MHz	2592.990	BPSK	Full RB	0	-23.88	-30.41	-30.84	-32.36
	2649.990	BPSK	Full RB	0	-21.89	-23.73	-25.12	-26.04
90 MHz	2592.990	BPSK	Full RB	0	-24.24	-31.53	-29.56	-31.79
	2644.980	BPSK	Full RB	0	-19.95	-26.41	-23.68	-26.98
100 MHz	2592.990	BPSK	Full RB	0	-22.27	-33.72	-29.88	-34.60
	2640.000	BPSK	Full RB	0	-18.70	-26.92	-25.36	-27.98
Limit (dBm)					-10.0		-10.0	

Band Width	Frequency (MHz)	Modulation	Resource Block Size	Resource Block Offset	(C.E $\pm$ 5 MHz) ~ (C.E $\pm$ X MHz)		Above (C.E $\pm$ X MHz)	
					Lower	Upper	Lower	Upper
10 MHz	2592.990	BPSK	Full RB	0	-21.88	-23.70	-33.57	-36.14
	2685.000	BPSK	Full RB	0	-24.06	-29.74	-33.96	-37.73
15 MHz	2592.990	BPSK	Full RB	0	-24.05	-22.48	-36.12	-38.52
	2682.480	BPSK	Full RB	0	-25.62	-30.36	-36.78	-38.93
20 MHz	2592.990	BPSK	Full RB	0	-23.49	-25.12	-35.11	-31.40
	2679.990	BPSK	Full RB	0	-24.92	-28.41	-34.38	-39.44
25 MHz	2592.990	BPSK	Full RB	0	-27.23	-27.46	-39.39	-41.19
	2677.500	BPSK	Full RB	0	-25.89	-27.17	-36.77	-40.01
30 MHz	2592.990	BPSK	Full RB	0	-27.44	-29.53	-40.89	-42.20
	2674.980	BPSK	Full RB	0	-26.97	-30.19	-38.51	-52.89
40 MHz	2592.990	BPSK	Full RB	0	-25.47	-26.46	-37.18	-41.94
	2670.000	BPSK	Full RB	0	-27.00	-27.60	-38.47	-54.52
50 MHz	2592.990	BPSK	Full RB	0	-30.12	-32.28	-42.12	-43.65
	2664.990	BPSK	Full RB	0	-26.31	-26.91	-34.91	-54.58
60 MHz	2592.990	BPSK	Full RB	0	-29.01	-29.53	-45.17	-49.47
	2659.980	BPSK	Full RB	0	-26.28	-25.36	-39.10	-54.61
70 MHz	2592.990	BPSK	Full RB	0	-29.28	-30.25	-44.63	-50.61
	2655.000	BPSK	Full RB	0	-26.04	-25.85	-37.71	-54.75
80 MHz	2592.990	BPSK	Full RB	0	-29.39	-30.44	-44.33	-53.21
	2649.990	BPSK	Full RB	0	-25.67	-26.20	-41.53	-54.70
90 MHz	2592.990	BPSK	Full RB	0	-30.18	-30.24	-54.66	-54.68
	2644.980	BPSK	Full RB	0	-22.83	-28.65	-39.44	-54.66
100 MHz	2592.990	BPSK	Full RB	0	-29.65	-31.47	-54.72	-54.63
	2640.000	BPSK	Full RB	0	-24.11	-28.86	-42.29	-54.72
Limit (dBm)					-13.0		-25.0	

Note:

1. C.E = Channel Edge
2. X = X is the greater of 6 MHz or the actual emission bandwidth
3. Duty Cycle factor already applied on the factor.
 - Factor(dB) = Duty Cycle factor + Cable Loss + Ext. Attenuator + Power Splitter
 - Result(dBm) = Reading + Factor
 - Duty Cycle Factor(dB) = 6.99
4. Plots of the EUT's Channel Edge are shown Page 589 ~ 672. (1RB & Full RB)

9.7 FREQUENCY STABILITY / VARIATION OF AMBIENT TEMPERATURE

- BandWidth: 10 MHz
- Voltage(100 %): 3.880 VDC
- Batt. Endpoint: 3.300 VDC
- LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2501.010	100 %	+20(Ref)	2501 009 997	0.0	0.000 000	0.000
	100 %	-30	2501 009 995	-2.1	0.000 000	-0.001
	100 %	-20	2501 009 996	-1.5	0.000 000	-0.001
	100 %	-10	2501 009 996	-1.3	0.000 000	-0.001
	100 %	0	2501 009 999	2.0	0.000 000	0.001
	100 %	+10	2501 009 995	-2.8	0.000 000	-0.001
	100 %	+30	2501 009 994	-3.3	0.000 000	-0.001
	100 %	+40	2501 009 994	-3.7	0.000 000	-0.001
	100 %	+50	2501 009 995	-2.4	0.000 000	-0.001
	Batt. Endpoint	+20	2501 009 997	0.1	0.000 000	0.000
2685.000	100 %	+20(Ref)	2684 999 999	0.0	0.000 000	0.000
	100 %	-30	2684 999 996	-3.2	0.000 000	-0.001
	100 %	-20	2685 000 000	1.0	0.000 000	0.000
	100 %	-10	2684 999 990	-9.4	0.000 000	-0.004
	100 %	0	2684 999 996	-3.0	0.000 000	-0.001
	100 %	+10	2684 999 994	-5.0	0.000 000	-0.002
	100 %	+30	2684 999 999	0.0	0.000 000	0.000
	100 %	+40	2684 999 994	-5.4	0.000 000	-0.002
	100 %	+50	2684 999 999	-0.5	0.000 000	0.000
	Batt. Endpoint	+20	2684 999 997	-2.4	0.000 000	-0.001

- ▣ BandWidth: 15 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2503.500	100 %	+20(Ref)	2503 499 996	0.0	0.000 000	0.000
	100 %	-30	2503 499 995	-1.5	0.000 000	-0.001
	100 %	-20	2503 499 992	-3.9	0.000 000	-0.002
	100 %	-10	2503 499 992	-3.8	0.000 000	-0.002
	100 %	0	2503 499 992	-3.9	0.000 000	-0.002
	100 %	+10	2503 499 994	-2.5	0.000 000	-0.001
	100 %	+30	2503 499 997	0.8	0.000 000	0.000
	100 %	+40	2503 499 991	-5.3	0.000 000	-0.002
	100 %	+50	2503 499 994	-1.9	0.000 000	-0.001
	Batt. Endpoint	+20	2503 499 994	-1.5	0.000 000	-0.001
2682.480	100 %	+20(Ref)	2682 479 993	0.0	0.000 000	0.000
	100 %	-30	2682 479 985	-8.1	0.000 000	-0.003
	100 %	-20	2682 479 987	-5.9	0.000 000	-0.002
	100 %	-10	2682 479 987	-6.2	0.000 000	-0.002
	100 %	0	2682 479 988	-4.9	0.000 000	-0.002
	100 %	+10	2682 479 988	-5.5	0.000 000	-0.002
	100 %	+30	2682 479 989	-4.0	0.000 000	-0.002
	100 %	+40	2682 479 989	-4.3	0.000 000	-0.002
	100 %	+50	2682 479 984	-8.9	0.000 000	-0.003
	Batt. Endpoint	+20	2682 479 985	-7.6	0.000 000	-0.003

- ▣ BandWidth: 20 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2506.020	100 %	+20(Ref)	2506 019 995	0.0	0.000 000	0.000
	100 %	-30	2506 019 993	-2.1	0.000 000	-0.001
	100 %	-20	2506 019 994	-0.9	0.000 000	0.000
	100 %	-10	2506 019 995	0.0	0.000 000	0.000
	100 %	0	2506 019 991	-4.0	0.000 000	-0.002
	100 %	+10	2506 019 995	0.2	0.000 000	0.000
	100 %	+30	2506 019 992	-3.4	0.000 000	-0.001
	100 %	+40	2506 019 992	-3.3	0.000 000	-0.001
	100 %	+50	2506 019 994	-1.6	0.000 000	-0.001
	Batt. Endpoint	+20	2506 019 996	0.9	0.000 000	0.000
2679.990	100 %	+20(Ref)	2679 989 995	0.0	0.000 000	0.000
	100 %	-30	2679 989 991	-3.9	0.000 000	-0.001
	100 %	-20	2679 989 989	-5.7	0.000 000	-0.002
	100 %	-10	2679 989 989	-5.6	0.000 000	-0.002
	100 %	0	2679 989 996	1.1	0.000 000	0.000
	100 %	+10	2679 989 993	-2.0	0.000 000	-0.001
	100 %	+30	2679 989 991	-3.3	0.000 000	-0.001
	100 %	+40	2679 989 990	-4.6	0.000 000	-0.002
	100 %	+50	2679 989 989	-5.5	0.000 000	-0.002
	Batt. Endpoint	+20	2679 989 990	-4.6	0.000 000	-0.002

- ▣ BandWidth: 25 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2508.510	100 %	+20(Ref)	2508 509 996	0.0	0.000 000	0.000
	100 %	-30	2508 509 995	-0.7	0.000 000	0.000
	100 %	-20	2508 509 997	1.2	0.000 000	0.000
	100 %	-10	2508 509 991	-4.4	0.000 000	-0.002
	100 %	0	2508 509 994	-1.6	0.000 000	-0.001
	100 %	+10	2508 509 995	-0.1	0.000 000	0.000
	100 %	+30	2508 509 991	-4.2	0.000 000	-0.002
	100 %	+40	2508 509 992	-3.6	0.000 000	-0.001
	100 %	+50	2508 509 991	-5.0	0.000 000	-0.002
	Batt. Endpoint	+20	2508 509 995	-0.6	0.000 000	0.000
2677.500	100 %	+20(Ref)	2677 499 995	0.0	0.000 000	0.000
	100 %	-30	2677 499 994	-1.2	0.000 000	0.000
	100 %	-20	2677 499 993	-1.8	0.000 000	-0.001
	100 %	-10	2677 499 992	-3.0	0.000 000	-0.001
	100 %	0	2677 499 992	-3.6	0.000 000	-0.001
	100 %	+10	2677 499 989	-6.1	0.000 000	-0.002
	100 %	+30	2677 499 993	-1.9	0.000 000	-0.001
	100 %	+40	2677 499 992	-3.3	0.000 000	-0.001
	100 %	+50	2677 499 993	-2.6	0.000 000	-0.001
	Batt. Endpoint	+20	2677 499 992	-2.9	0.000 000	-0.001

- ▣ BandWidth: 30 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2511.000	100 %	+20(Ref)	2510 999 998	0.0	0.000 000	0.000
	100 %	-30	2510 999 995	-2.9	0.000 000	-0.001
	100 %	-20	2510 999 995	-3.2	0.000 000	-0.001
	100 %	-10	2510 999 995	-3.0	0.000 000	-0.001
	100 %	0	2510 999 997	-1.0	0.000 000	0.000
	100 %	+10	2510 999 994	-3.8	0.000 000	-0.002
	100 %	+30	2510 999 997	-0.9	0.000 000	0.000
	100 %	+40	2510 999 993	-4.8	0.000 000	-0.002
	100 %	+50	2510 999 994	-3.7	0.000 000	-0.001
	Batt. Endpoint	+20	2510 999 992	-5.7	0.000 000	-0.002
2674.980	100 %	+20(Ref)	2674 979 991	0.0	0.000 000	0.000
	100 %	-30	2674 979 982	-8.3	0.000 000	-0.003
	100 %	-20	2674 979 981	-10.0	0.000 000	-0.004
	100 %	-10	2674 979 979	-12.0	0.000 000	-0.004
	100 %	0	2674 979 980	-11.0	0.000 000	-0.004
	100 %	+10	2674 979 983	-7.8	0.000 000	-0.003
	100 %	+30	2674 979 980	-11.0	0.000 000	-0.004
	100 %	+40	2674 979 984	-6.5	0.000 000	-0.002
	100 %	+50	2674 979 983	-7.4	0.000 000	-0.003
	Batt. Endpoint	+20	2674 979 980	-10.5	0.000 000	-0.004

- ▣ BandWidth: 40 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2516.010	100 %	+20(Ref)	2516 009 999	0.0	0.000 000	0.000
	100 %	-30	2516 009 995	-4.2	0.000 000	-0.002
	100 %	-20	2516 009 995	-4.2	0.000 000	-0.002
	100 %	-10	2516 009 993	-5.7	0.000 000	-0.002
	100 %	0	2516 009 996	-3.0	0.000 000	-0.001
	100 %	+10	2516 009 999	0.0	0.000 000	0.000
	100 %	+30	2516 009 994	-4.8	0.000 000	-0.002
	100 %	+40	2516 009 996	-3.0	0.000 000	-0.001
	100 %	+50	2516 009 996	-2.6	0.000 000	-0.001
	Batt. Endpoint	+20	2516 010 000	1.4	0.000 000	0.001
2670.000	100 %	+20(Ref)	2669 999 995	0.0	0.000 000	0.000
	100 %	-30	2669 999 991	-4.0	0.000 000	-0.001
	100 %	-20	2669 999 988	-7.4	0.000 000	-0.003
	100 %	-10	2669 999 993	-2.6	0.000 000	-0.001
	100 %	0	2669 999 992	-2.8	0.000 000	-0.001
	100 %	+10	2669 999 989	-6.0	0.000 000	-0.002
	100 %	+30	2669 999 995	0.2	0.000 000	0.000
	100 %	+40	2669 999 988	-7.0	0.000 000	-0.003
	100 %	+50	2669 999 993	-2.4	0.000 000	-0.001
	Batt. Endpoint	+20	2669 999 990	-5.3	0.000 000	-0.002

- ▣ BandWidth: 50 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2521.020	100 %	+20(Ref)	2521 020 001	0.0	0.000 000	0.000
	100 %	-30	2521 020 000	-1.1	0.000 000	0.000
	100 %	-20	2521 020 001	-0.7	0.000 000	0.000
	100 %	-10	2521 020 000	-1.2	0.000 000	0.000
	100 %	0	2521 019 998	-3.5	0.000 000	-0.001
	100 %	+10	2521 019 999	-2.4	0.000 000	-0.001
	100 %	+30	2521 019 999	-2.1	0.000 000	-0.001
	100 %	+40	2521 019 998	-3.5	0.000 000	-0.001
	100 %	+50	2521 020 000	-1.0	0.000 000	0.000
	Batt. Endpoint	+20	2521 019 999	-1.8	0.000 000	-0.001
2664.990	100 %	+20(Ref)	2664 989 996	0.0	0.000 000	0.000
	100 %	-30	2664 989 989	-6.4	0.000 000	-0.002
	100 %	-20	2664 989 992	-3.4	0.000 000	-0.001
	100 %	-10	2664 989 990	-5.6	0.000 000	-0.002
	100 %	0	2664 989 991	-4.8	0.000 000	-0.002
	100 %	+10	2664 989 993	-3.0	0.000 000	-0.001
	100 %	+30	2664 989 986	-9.7	0.000 000	-0.004
	100 %	+40	2664 989 986	-10.1	0.000 000	-0.004
	100 %	+50	2664 989 989	-7.0	0.000 000	-0.003
	Batt. Endpoint	+20	2664 989 990	-5.7	0.000 000	-0.002

- ▣ BandWidth: 60 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2526.000	100 %	+20(Ref)	2525 999 998	0.0	0.000 000	0.000
	100 %	-30	2525 999 998	0.4	0.000 000	0.000
	100 %	-20	2525 999 996	-1.7	0.000 000	-0.001
	100 %	-10	2525 999 997	-0.5	0.000 000	0.000
	100 %	0	2525 999 994	-3.3	0.000 000	-0.001
	100 %	+10	2525 999 997	-0.7	0.000 000	0.000
	100 %	+30	2525 999 995	-2.5	0.000 000	-0.001
	100 %	+40	2525 999 995	-2.5	0.000 000	-0.001
	100 %	+50	2525 999 995	-3.0	0.000 000	-0.001
	Batt. Endpoint	+20	2525 999 998	0.9	0.000 000	0.000
2659.980	100 %	+20(Ref)	2659 979 992	0.0	0.000 000	0.000
	100 %	-30	2659 979 983	-9.2	0.000 000	-0.003
	100 %	-20	2659 979 988	-4.7	0.000 000	-0.002
	100 %	-10	2659 979 984	-8.0	0.000 000	-0.003
	100 %	0	2659 979 985	-7.3	0.000 000	-0.003
	100 %	+10	2659 979 988	-4.1	0.000 000	-0.002
	100 %	+30	2659 979 986	-6.3	0.000 000	-0.002
	100 %	+40	2659 979 986	-6.2	0.000 000	-0.002
	100 %	+50	2659 979 986	-6.1	0.000 000	-0.002
	Batt. Endpoint	+20	2659 979 986	-6.3	0.000 000	-0.002

- ▣ BandWidth: 70 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2531.010	100 %	+20(Ref)	2531 009 999	0.0	0.000 000	0.000
	100 %	-30	2531 009 994	-4.2	0.000 000	-0.002
	100 %	-20	2531 010 000	1.2	0.000 000	0.000
	100 %	-10	2531 010 001	2.0	0.000 000	0.001
	100 %	0	2531 009 996	-2.2	0.000 000	-0.001
	100 %	+10	2531 010 000	1.4	0.000 000	0.001
	100 %	+30	2531 009 996	-2.8	0.000 000	-0.001
	100 %	+40	2531 009 999	0.7	0.000 000	0.000
	100 %	+50	2531 009 999	0.7	0.000 000	0.000
	Batt. Endpoint	+20	2531 009 995	-3.5	0.000 000	-0.001
2655.000	100 %	+20(Ref)	2654 999 994	0.0	0.000 000	0.000
	100 %	-30	2654 999 988	-5.3	0.000 000	-0.002
	100 %	-20	2654 999 993	-1.2	0.000 000	0.000
	100 %	-10	2654 999 989	-4.9	0.000 000	-0.002
	100 %	0	2654 999 991	-3.1	0.000 000	-0.001
	100 %	+10	2654 999 989	-4.6	0.000 000	-0.002
	100 %	+30	2654 999 989	-5.0	0.000 000	-0.002
	100 %	+40	2654 999 992	-2.1	0.000 000	-0.001
	100 %	+50	2654 999 988	-5.8	0.000 000	-0.002
	Batt. Endpoint	+20	2654 999 990	-3.6	0.000 000	-0.001

- ▣ BandWidth: 80 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2536.020	100 %	+20(Ref)	2536 019 998	0.0	0.000 000	0.000
	100 %	-30	2536 019 994	-3.7	0.000 000	-0.001
	100 %	-20	2536 019 997	-0.5	0.000 000	0.000
	100 %	-10	2536 019 996	-1.5	0.000 000	-0.001
	100 %	0	2536 019 993	-4.2	0.000 000	-0.002
	100 %	+10	2536 020 001	3.7	0.000 000	0.001
	100 %	+30	2536 019 996	-1.6	0.000 000	-0.001
	100 %	+40	2536 020 000	2.3	0.000 000	0.001
	100 %	+50	2536 020 000	2.8	0.000 000	0.001
	Batt. Endpoint	+20	2536 020 000	2.8	0.000 000	0.001
2649.990	100 %	+20(Ref)	2649 989 996	0.0	0.000 000	0.000
	100 %	-30	2649 989 987	-9.3	0.000 000	-0.003
	100 %	-20	2649 989 987	-9.0	0.000 000	-0.003
	100 %	-10	2649 989 987	-9.4	0.000 000	-0.004
	100 %	0	2649 989 992	-4.2	0.000 000	-0.002
	100 %	+10	2649 989 991	-5.3	0.000 000	-0.002
	100 %	+30	2649 989 991	-5.3	0.000 000	-0.002
	100 %	+40	2649 989 989	-7.5	0.000 000	-0.003
	100 %	+50	2649 989 991	-5.4	0.000 000	-0.002
	Batt. Endpoint	+20	2649 989 990	-5.7	0.000 000	-0.002

- ▣ BandWidth: 90 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

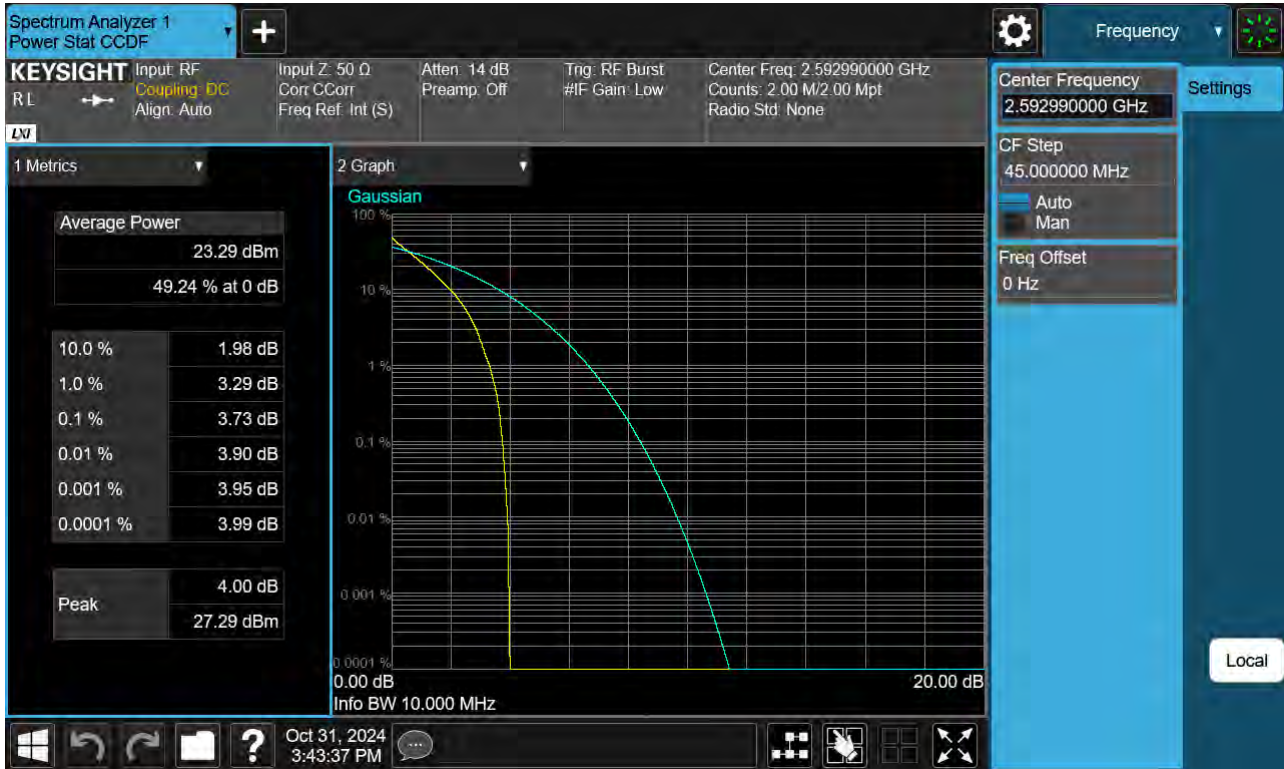
Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2541.000	100 %	+20(Ref)	2540 999 995	0.0	0.000 000	0.000
	100 %	-30	2540 999 992	-2.7	0.000 000	-0.001
	100 %	-20	2540 999 988	-6.7	0.000 000	-0.003
	100 %	-10	2540 999 992	-2.6	0.000 000	-0.001
	100 %	0	2540 999 991	-4.3	0.000 000	-0.002
	100 %	+10	2540 999 989	-5.6	0.000 000	-0.002
	100 %	+30	2540 999 988	-6.6	0.000 000	-0.003
	100 %	+40	2540 999 987	-7.5	0.000 000	-0.003
	100 %	+50	2540 999 991	-3.6	0.000 000	-0.001
	Batt. Endpoint	+20	2540 999 989	-6.0	0.000 000	-0.002
2644.980	100 %	+20(Ref)	2644 979 995	0.0	0.000 000	0.000
	100 %	-30	2644 979 990	-4.9	0.000 000	-0.002
	100 %	-20	2644 979 991	-4.3	0.000 000	-0.002
	100 %	-10	2644 979 991	-4.3	0.000 000	-0.002
	100 %	0	2644 979 991	-4.0	0.000 000	-0.002
	100 %	+10	2644 979 990	-5.0	0.000 000	-0.002
	100 %	+30	2644 979 991	-3.9	0.000 000	-0.001
	100 %	+40	2644 979 993	-2.0	0.000 000	-0.001
	100 %	+50	2644 979 991	-4.0	0.000 000	-0.002
	Batt. Endpoint	+20	2644 979 989	-5.8	0.000 000	-0.002

- ▣ BandWidth: 100 MHz
- ▣ Voltage(100 %): 3.880 VDC
- ▣ Batt. Endpoint: 3.300 VDC
- ▣ LIMIT: Emission must remain in band

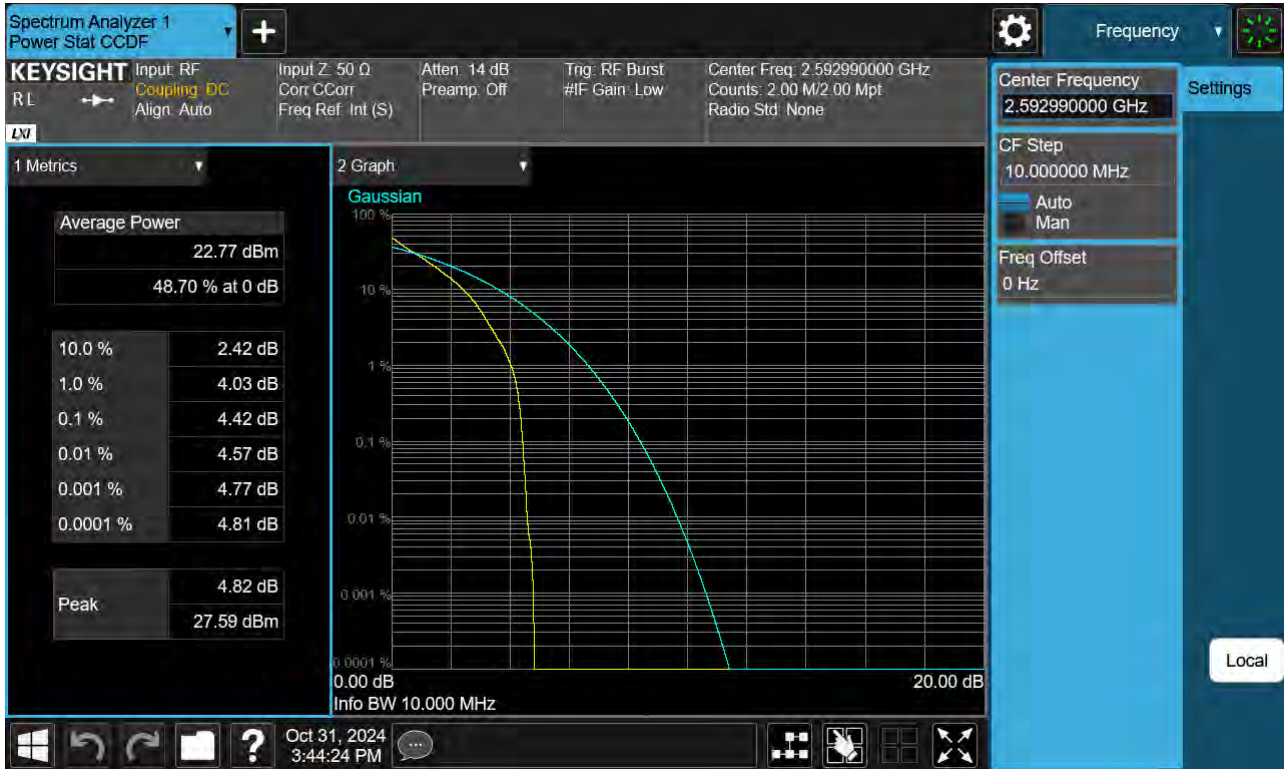
Test. Frequency	Voltage	Temp.	Frequency	Frequency Error	Deviation	ppm
(MHz)	(%)	(°C)	(Hz)	(Hz)	(%)	
2546.010	100 %	+20(Ref)	2546 009 997	0.0	0.000 000	0.000
	100 %	-30	2546 009 996	-0.5	0.000 000	0.000
	100 %	-20	2546 009 995	-1.3	0.000 000	0.000
	100 %	-10	2546 009 995	-1.5	0.000 000	-0.001
	100 %	0	2546 010 000	3.2	0.000 000	0.001
	100 %	+10	2546 009 996	-0.1	0.000 000	0.000
	100 %	+30	2546 009 995	-1.1	0.000 000	0.000
	100 %	+40	2546 009 998	1.4	0.000 000	0.001
	100 %	+50	2546 009 998	1.4	0.000 000	0.001
	Batt. Endpoint	+20	2546 009 996	-0.5	0.000 000	0.000
2640.000	100 %	+20(Ref)	2639 999 995	0.0	0.000 000	0.000
	100 %	-30	2639 999 991	-4.6	0.000 000	-0.002
	100 %	-20	2639 999 994	-1.2	0.000 000	0.000
	100 %	-10	2639 999 992	-3.4	0.000 000	-0.001
	100 %	0	2639 999 994	-1.4	0.000 000	-0.001
	100 %	+10	2639 999 991	-4.3	0.000 000	-0.002
	100 %	+30	2639 999 992	-3.1	0.000 000	-0.001
	100 %	+40	2639 999 991	-4.1	0.000 000	-0.002
	100 %	+50	2639 999 992	-3.1	0.000 000	-0.001
	Batt. Endpoint	+20	2639 999 992	-3.1	0.000 000	-0.001

10. TEST PLOTS(Main 2 ANT)

NR41_10 M_PAR_Mid_BPSK_FullRB



NR41_10 M_PAR_Mid_QPSK_FullRB



NR41_10 M_PAR_Mid_16QAM_FullRB



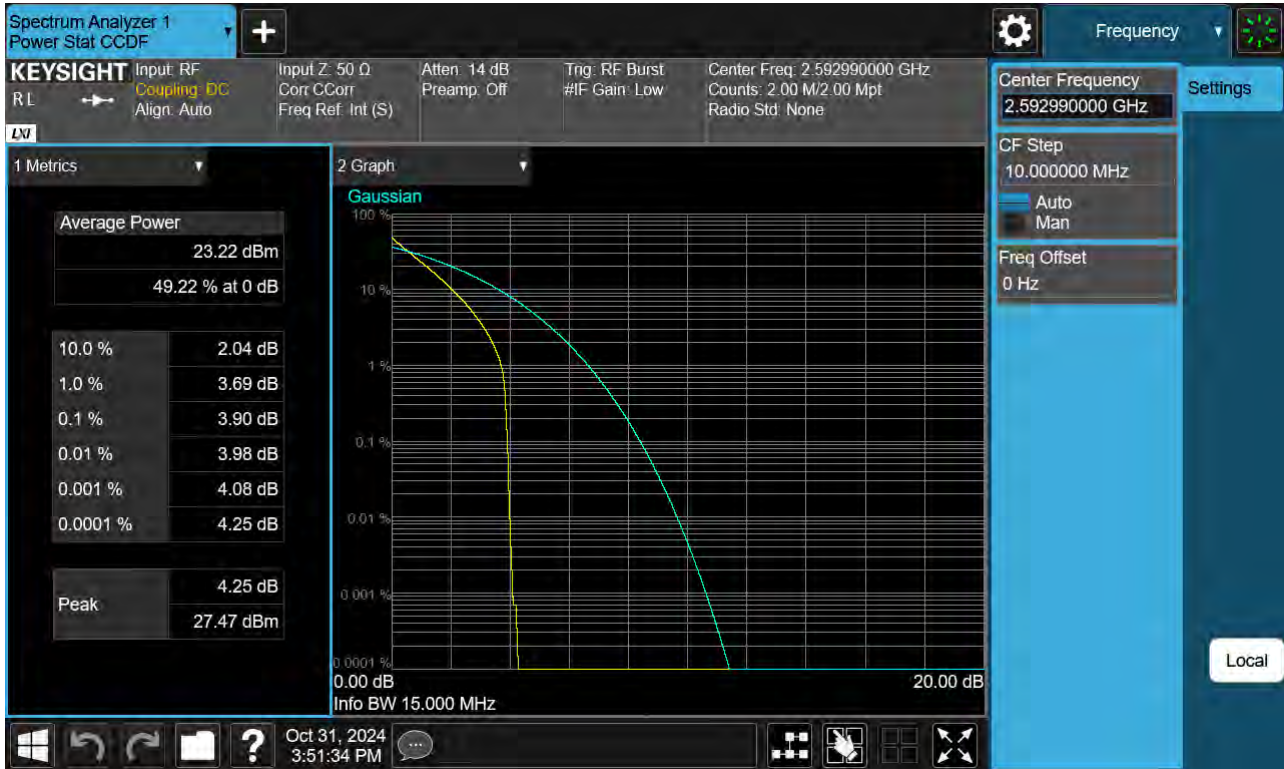
NR41_10 M_PAR_Mid_64QAM_FullRB



NR41_10 M_PAR_Mid_256QAM_FullRB



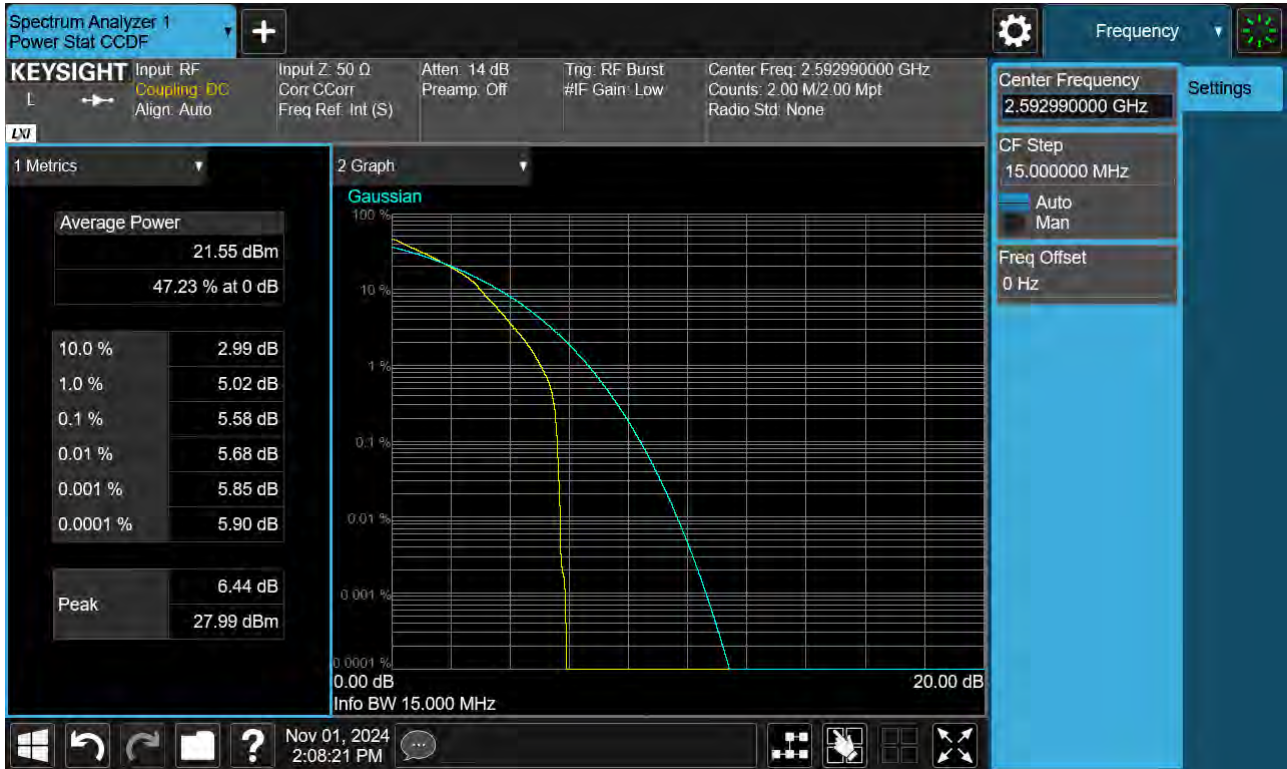
NR41_15 M_PAR_Mid_BPSK_FullRB



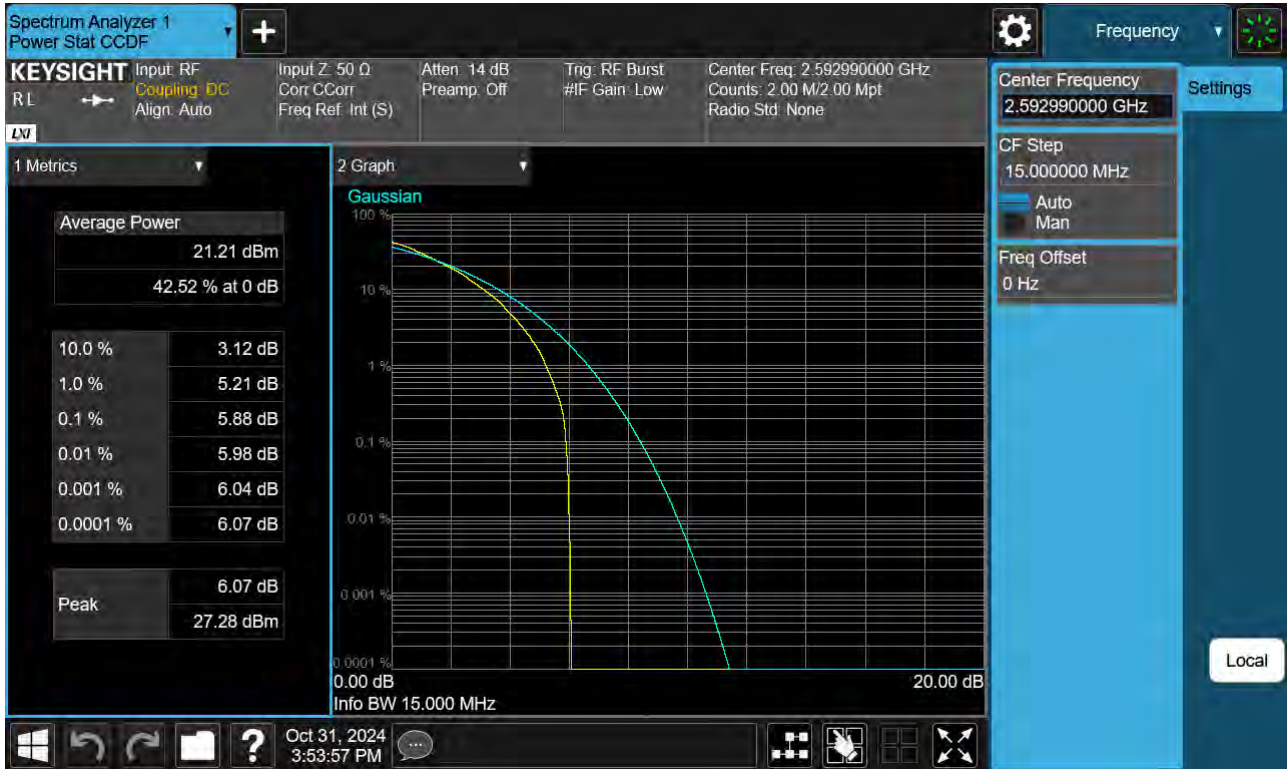
NR41_15 M_PAR_Mid_QPSK_FullRB



NR41_15 M_PAR_Mid_16QAM_FullRB



NR41_15 M_PAR_Mid_64QAM_FullRB



NR41_15 M_PAR_Mid_256QAM_FullRB



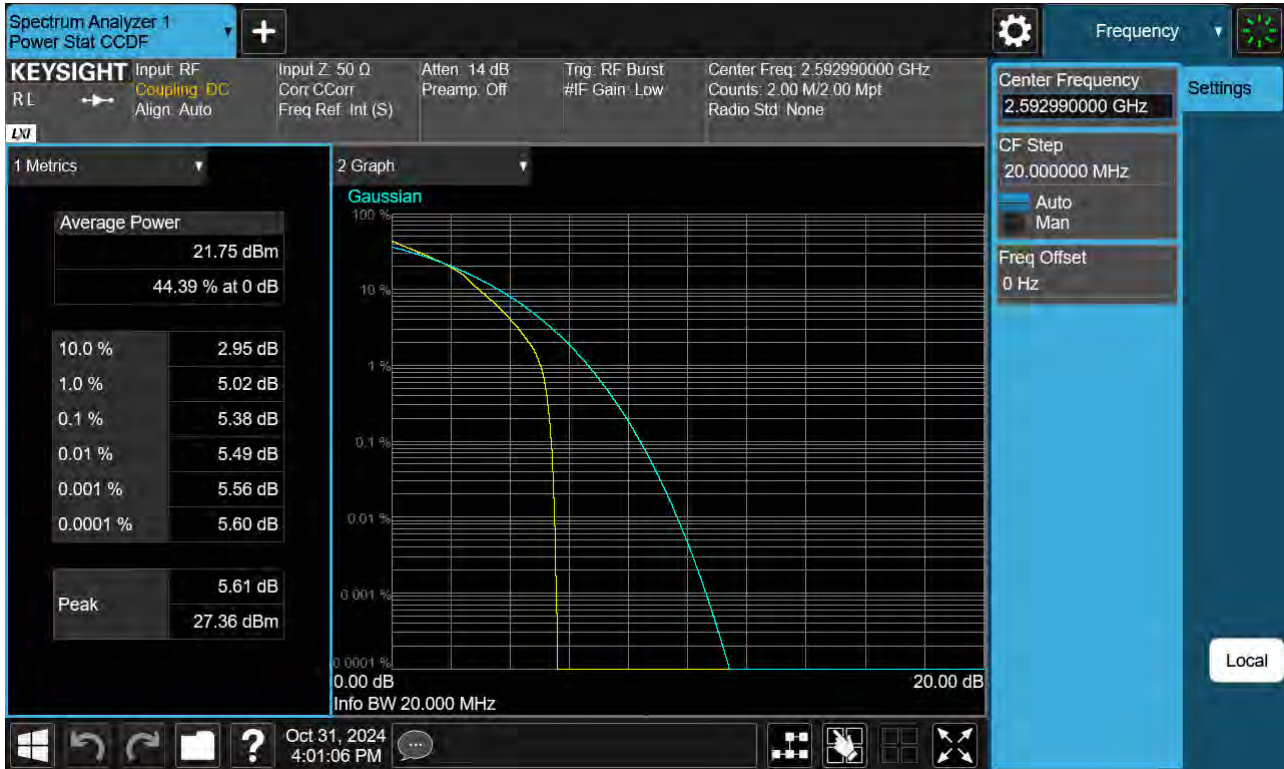
NR41_20 M_PAR_Mid_BPSK_FullRB



NR41_20 M_PAR_Mid_QPSK_FullRB



NR41_20 M_PAR_Mid_16QAM_FullRB



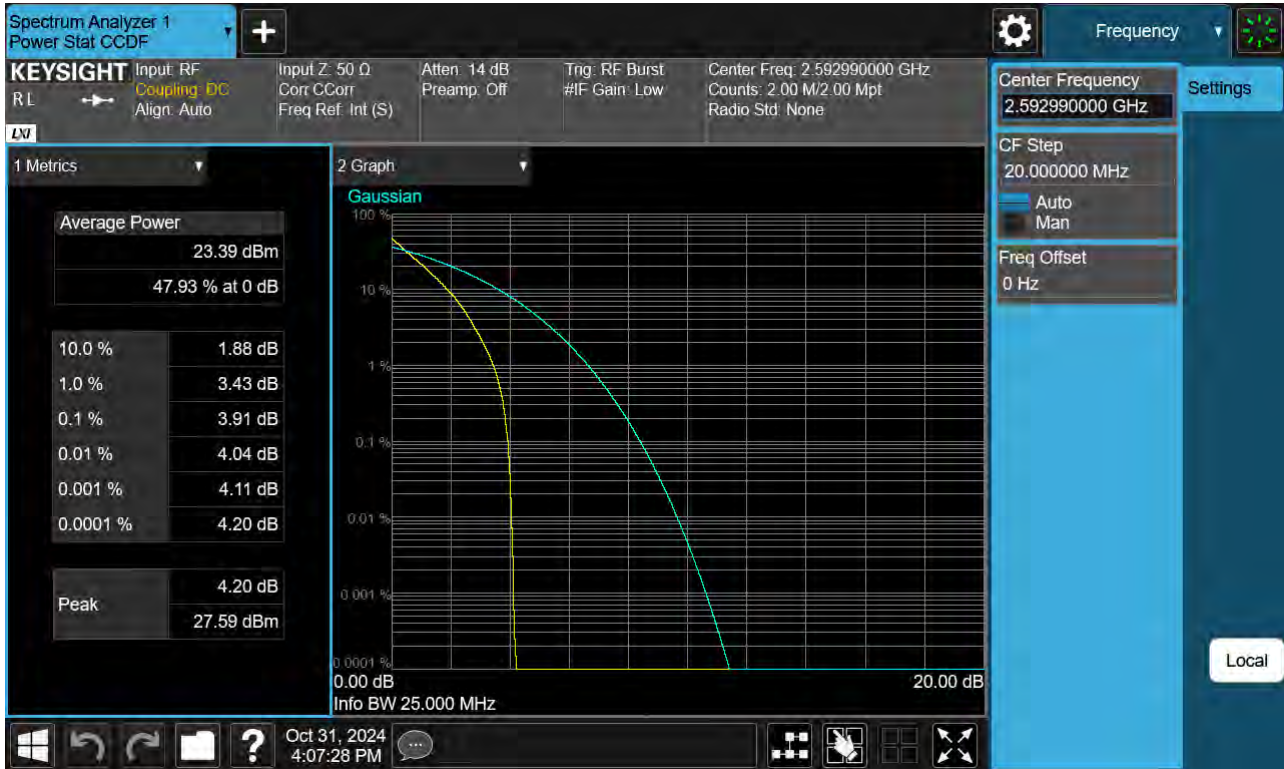
NR41_20 M_PAR_Mid_64QAM_FullRB



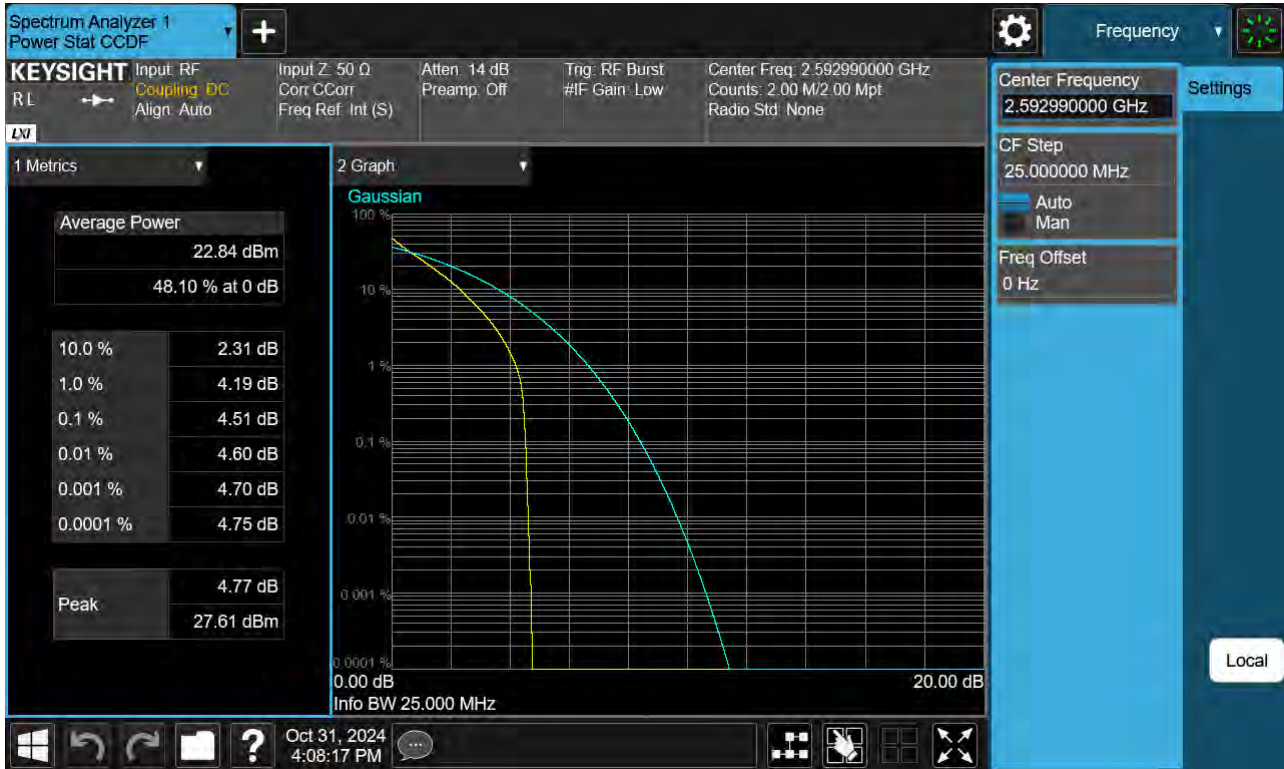
NR41_20 M_PAR_Mid_256QAM_FullRB



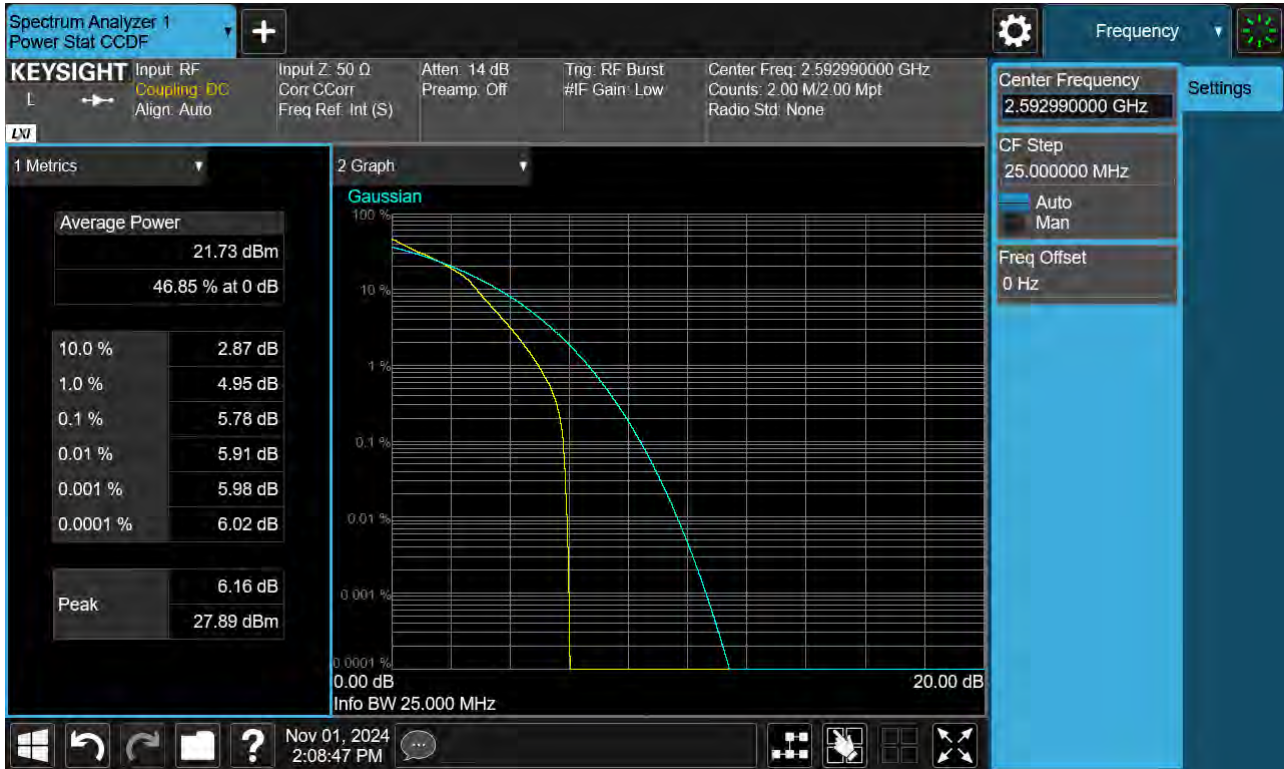
NR41_25 M_PAR_Mid_BPSK_FullRB



NR41_25 M_PAR_Mid_QPSK_FullRB



NR41_25 M_PAR_Mid_16QAM_FullRB



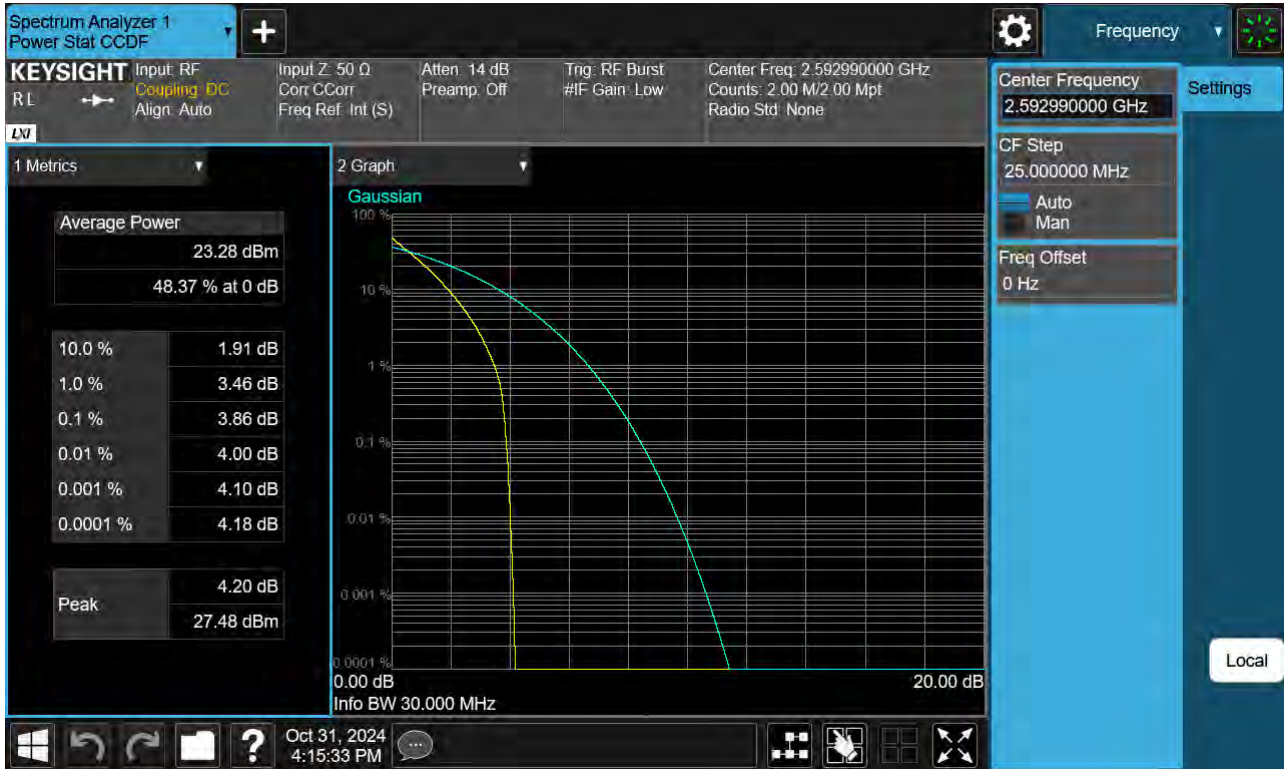
NR41_25 M_PAR_Mid_64QAM_FullRB



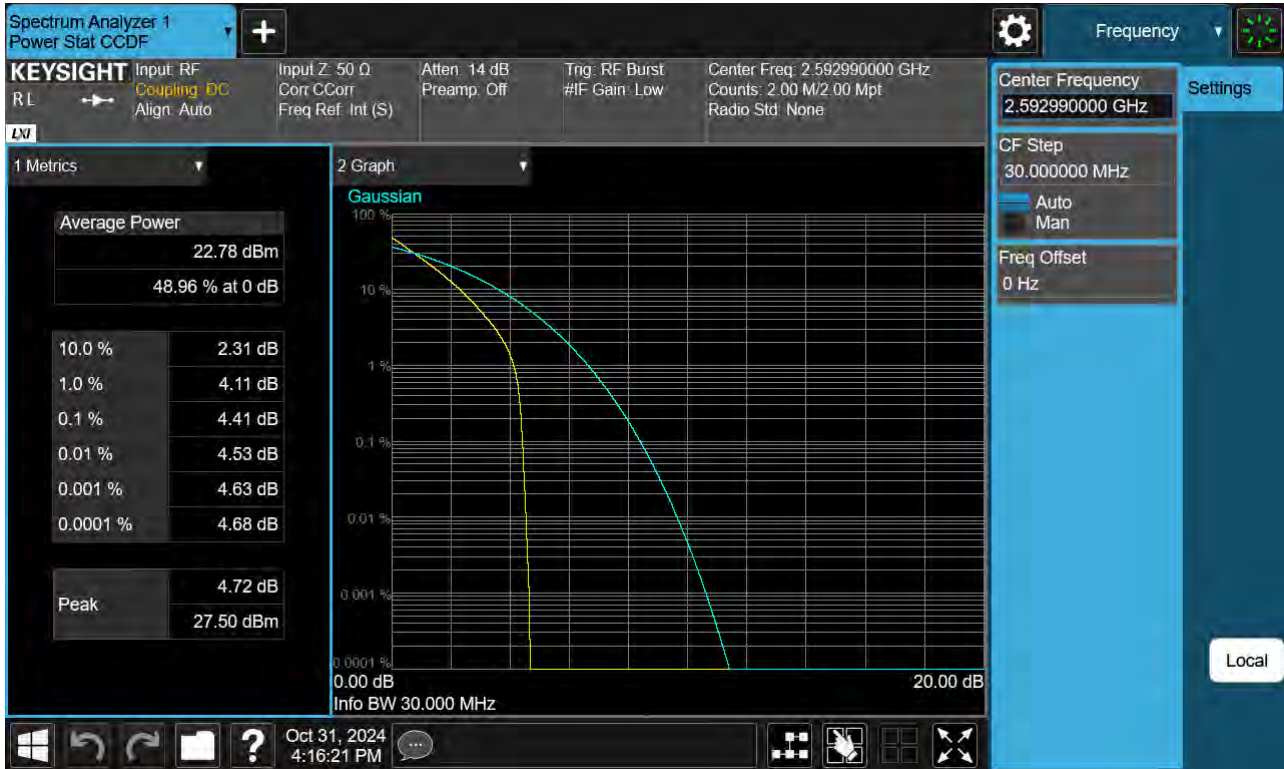
NR41_25 M_PAR_Mid_256QAM_FullRB



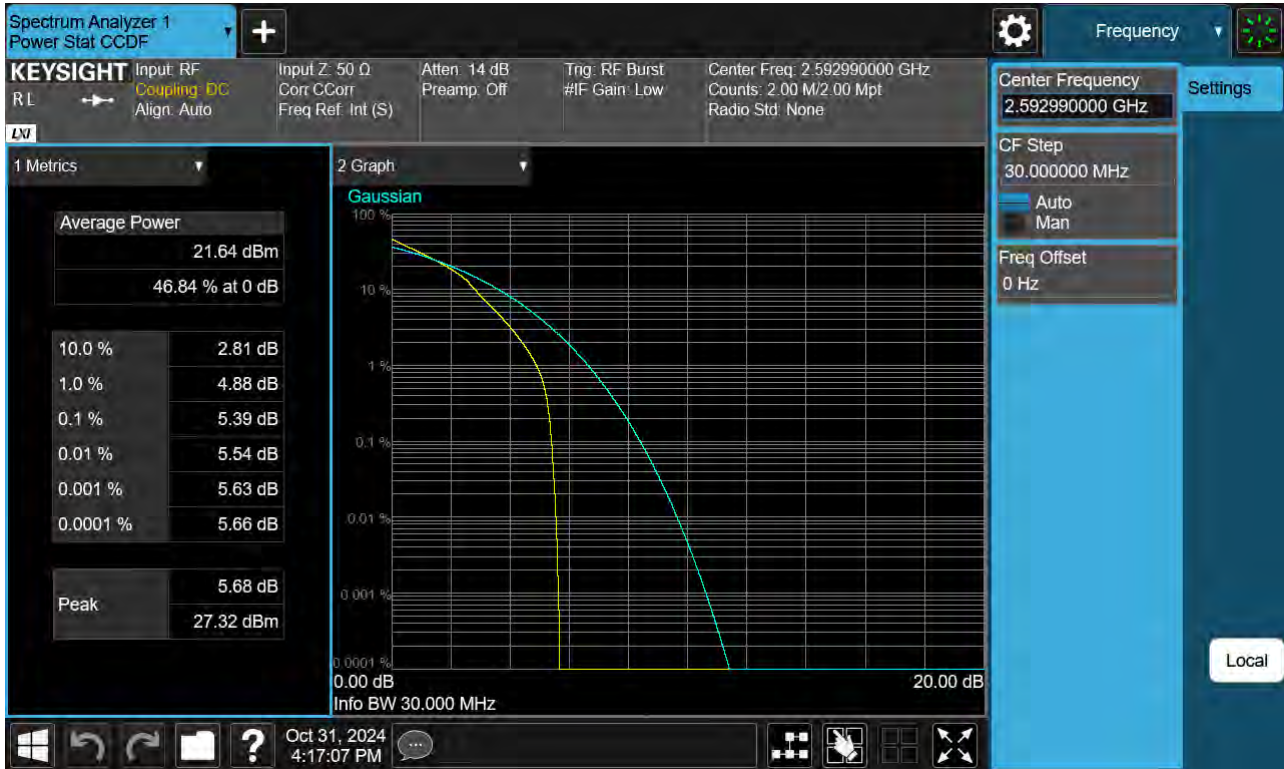
NR41_30 M_PAR_Mid_BPSK_FullRB



NR41_30 M_PAR_Mid_QPSK_FullRB



NR41_30 M_PAR_Mid_16QAM_FullRB



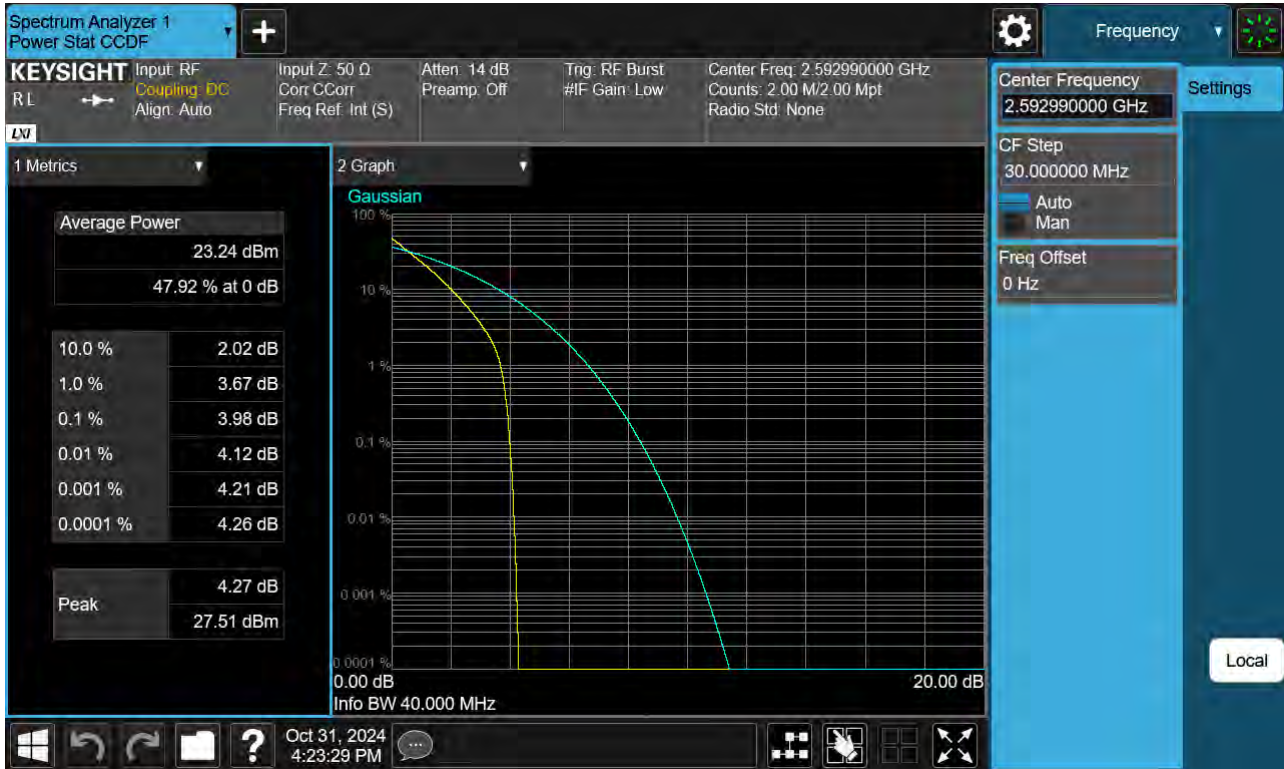
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NR41_30 M_PAR_Mid_256QAM_FullRB



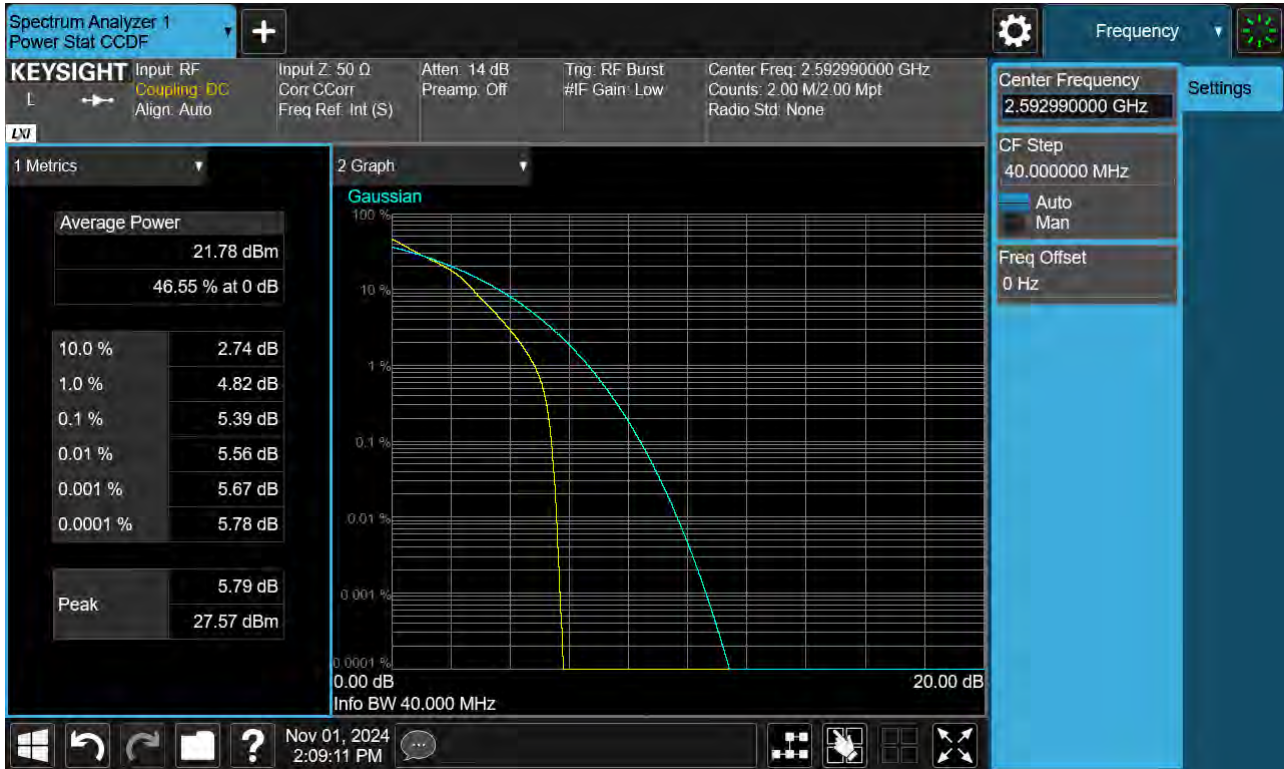
NR41_40 M_PAR_Mid_BPSK_FullRB



NR41_40 M_PAR_Mid_QPSK_FullRB



NR41_40 M_PAR_Mid_16QAM_FullRB



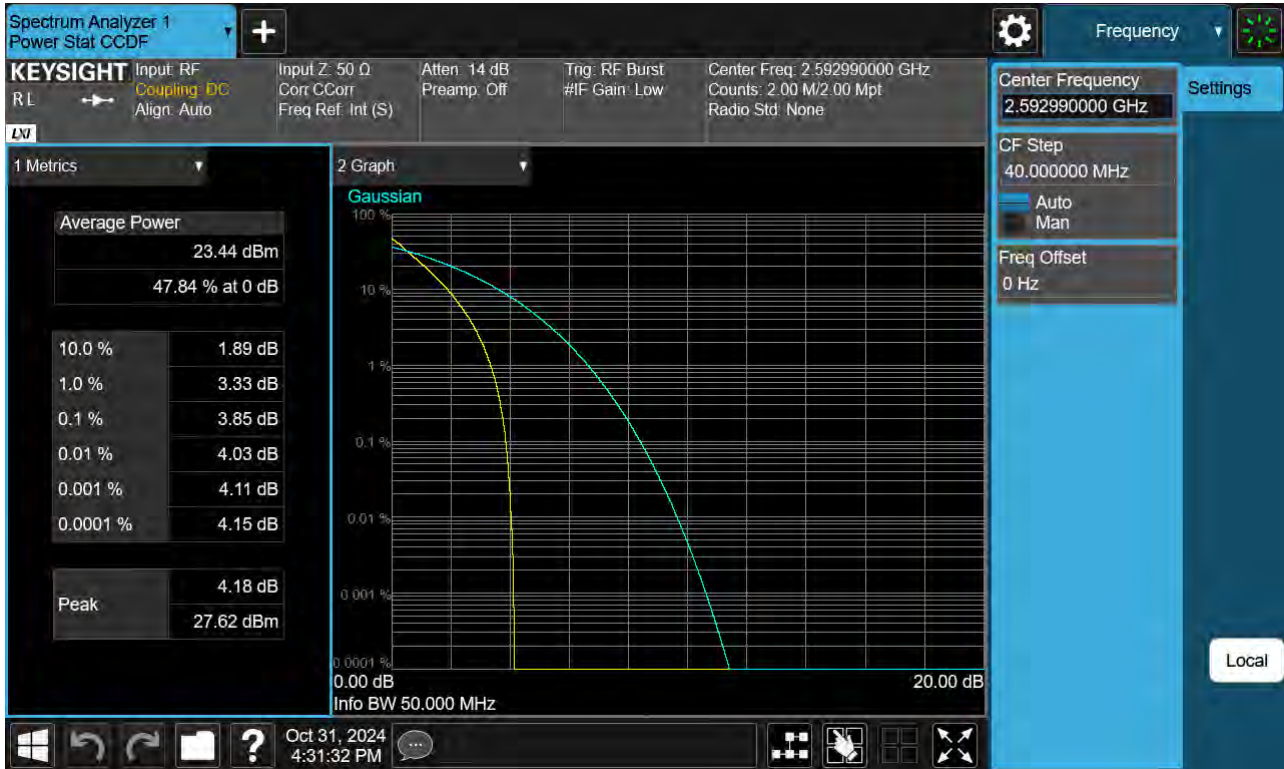
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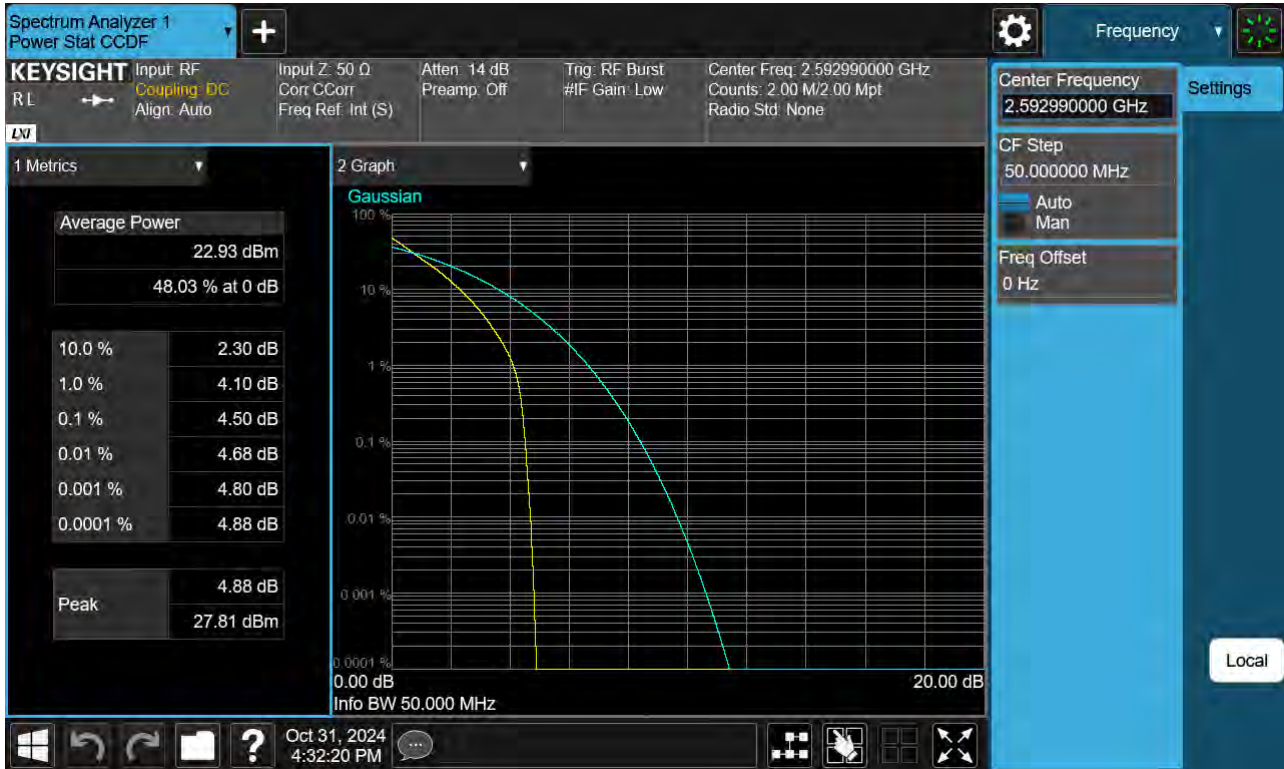
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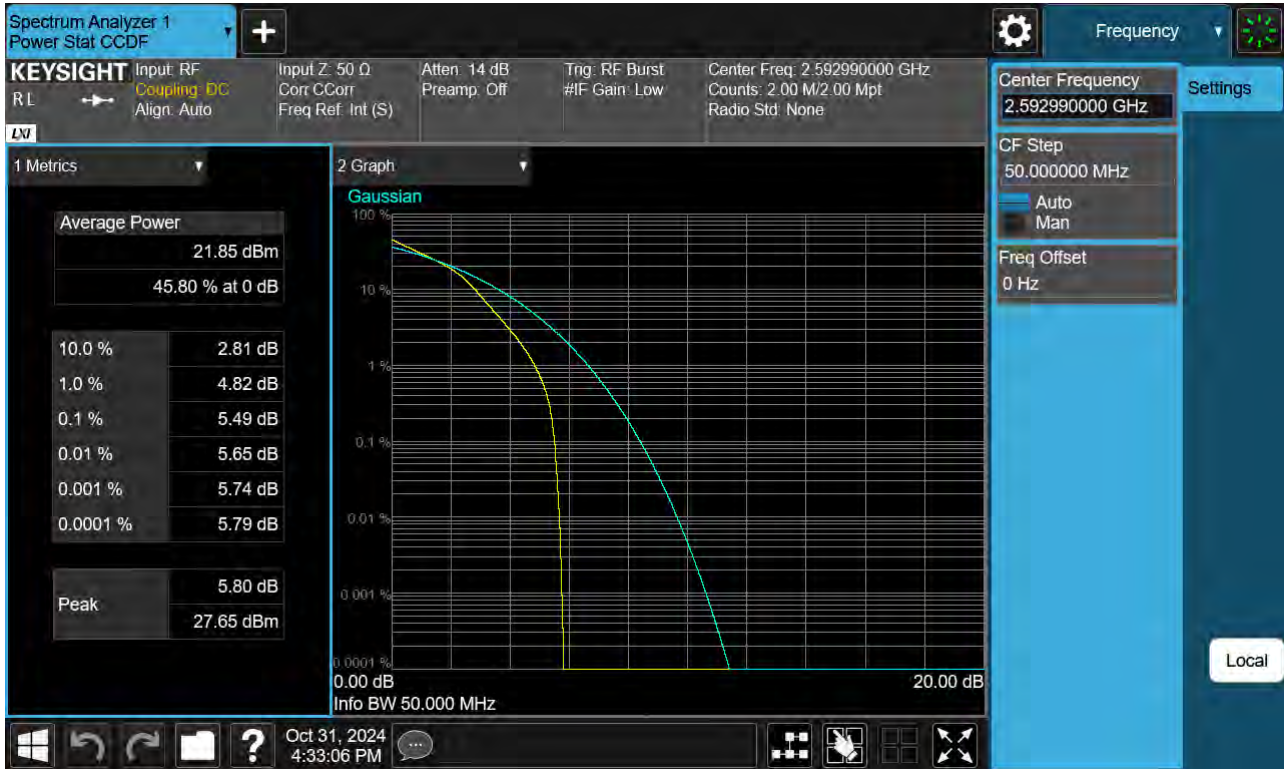
NR41_50 M_PAR_Mid_BPSK_FullRB



NR41_50 M_PAR_Mid_QPSK_FullRB



NR41_50 M_PAR_Mid_16QAM_FullRB



NR41_50 M_PAR_Mid_64QAM_FullRB



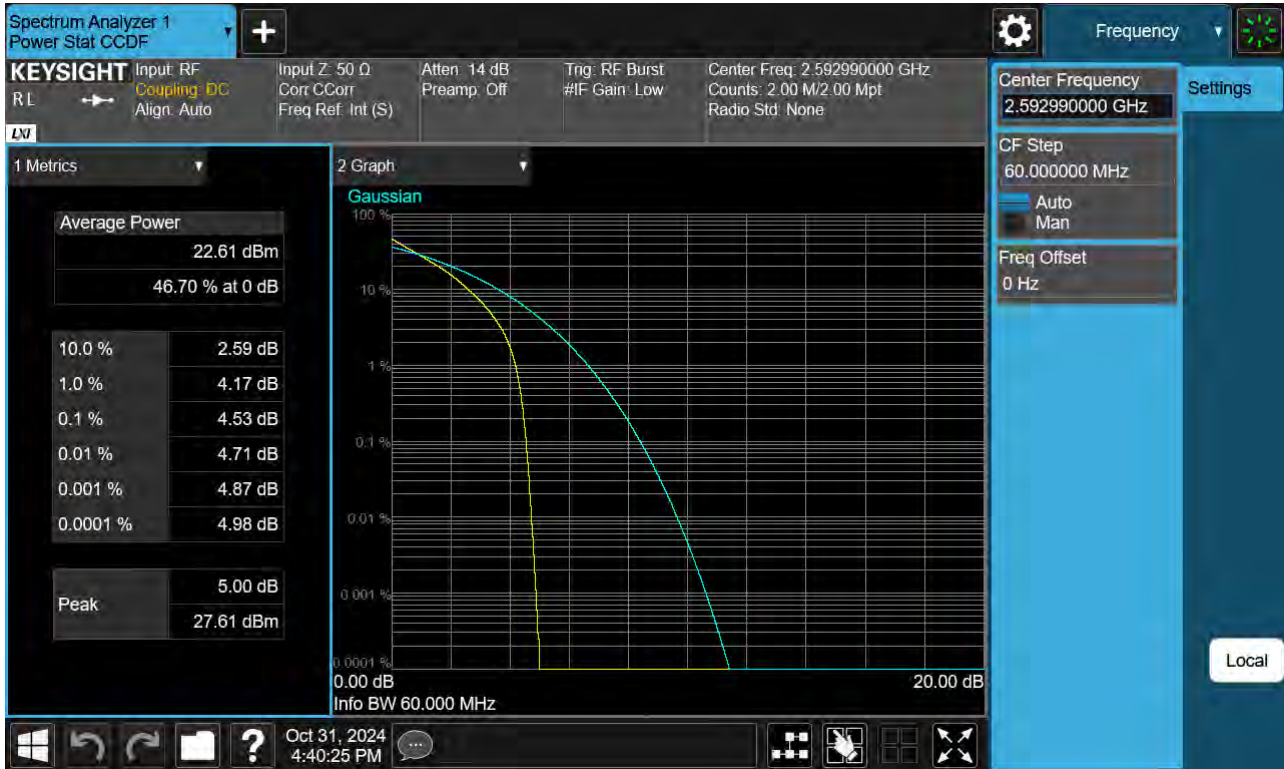
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NR41_60 M_PAR_Mid_BPSK_FullRB



NR41_60 M_PAR_Mid_QPSK_FullRB



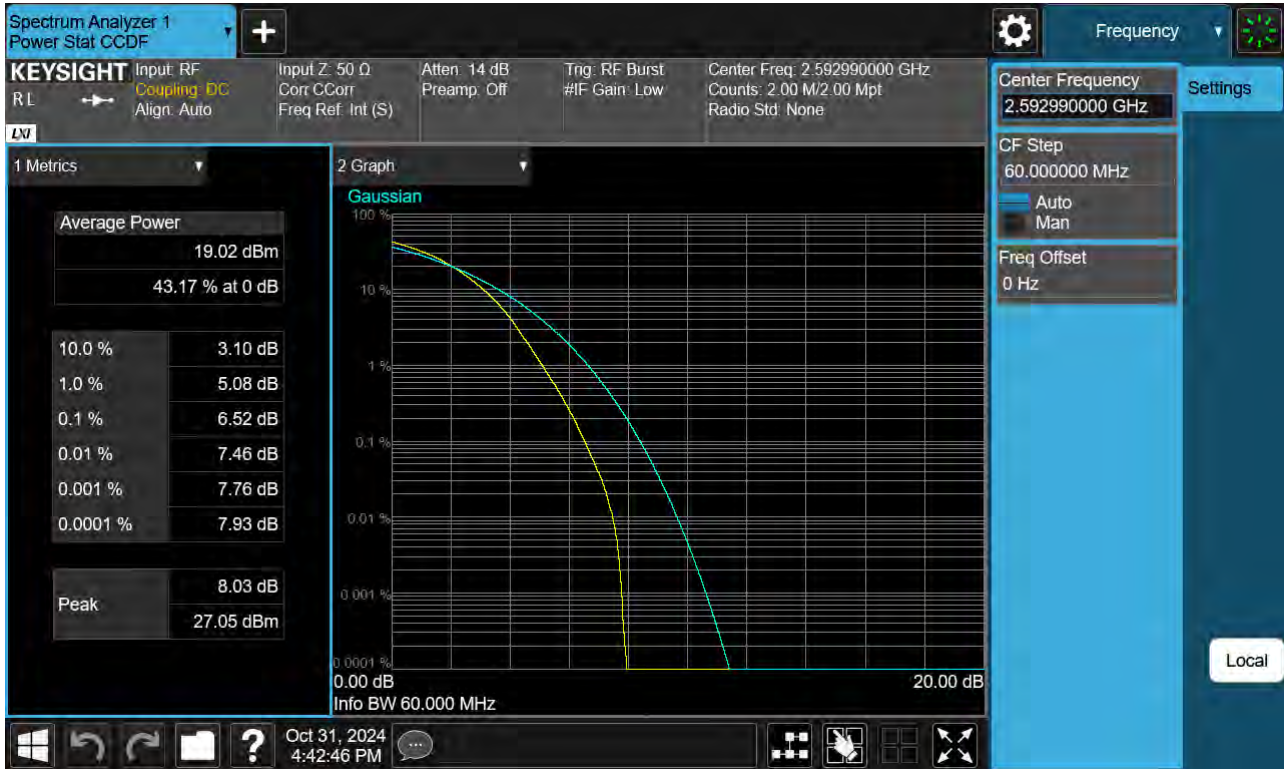
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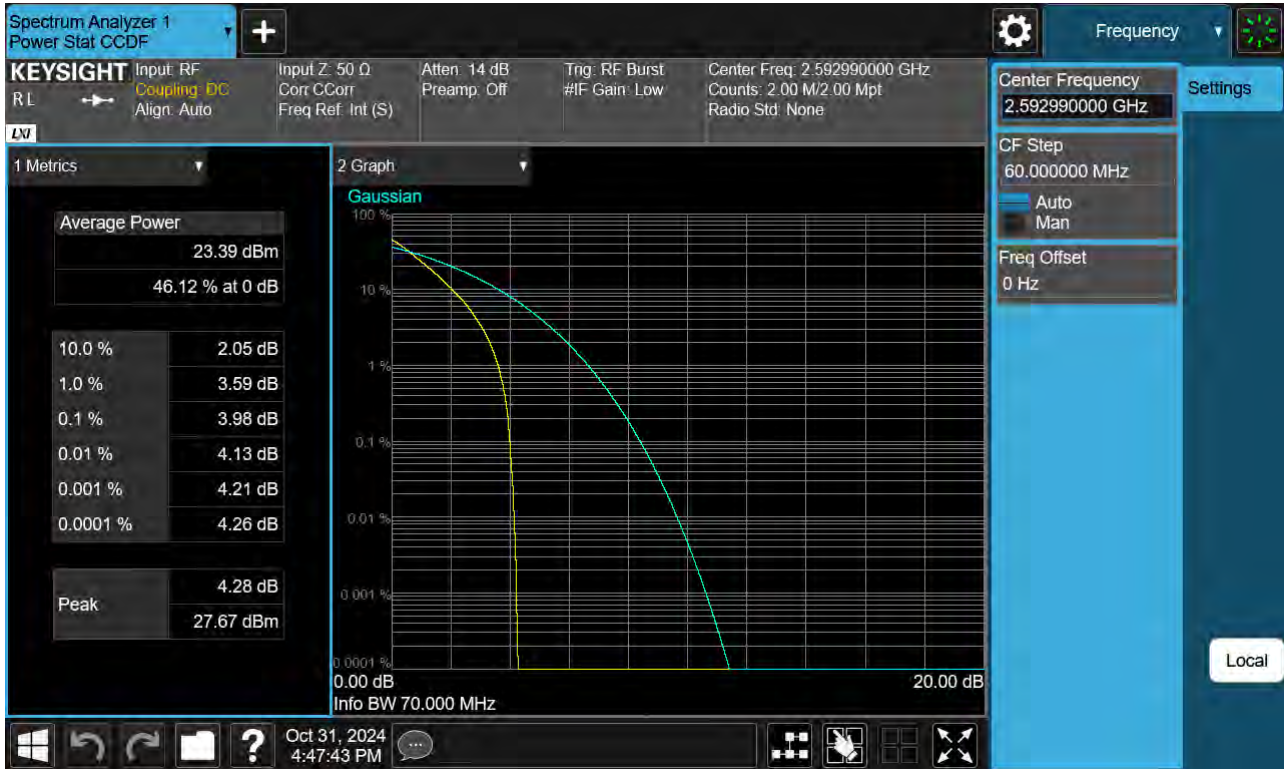
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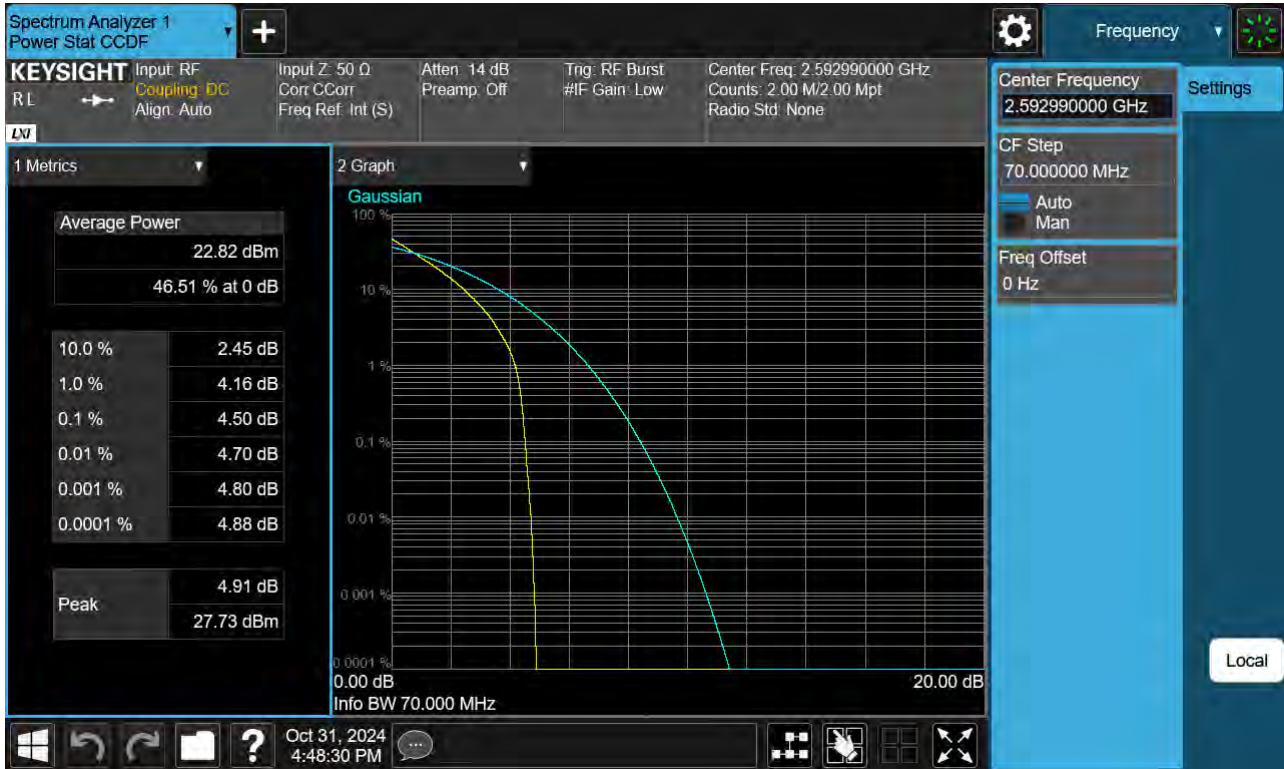
NR41_60 M_PAR_Mid_256QAM_FullRB



NR41_70 M_PAR_Mid_BPSK_FullRB



NR41_70 M_PAR_Mid_QPSK_FullRB



NR41_70 M_PAR_Mid_16QAM_FullRB



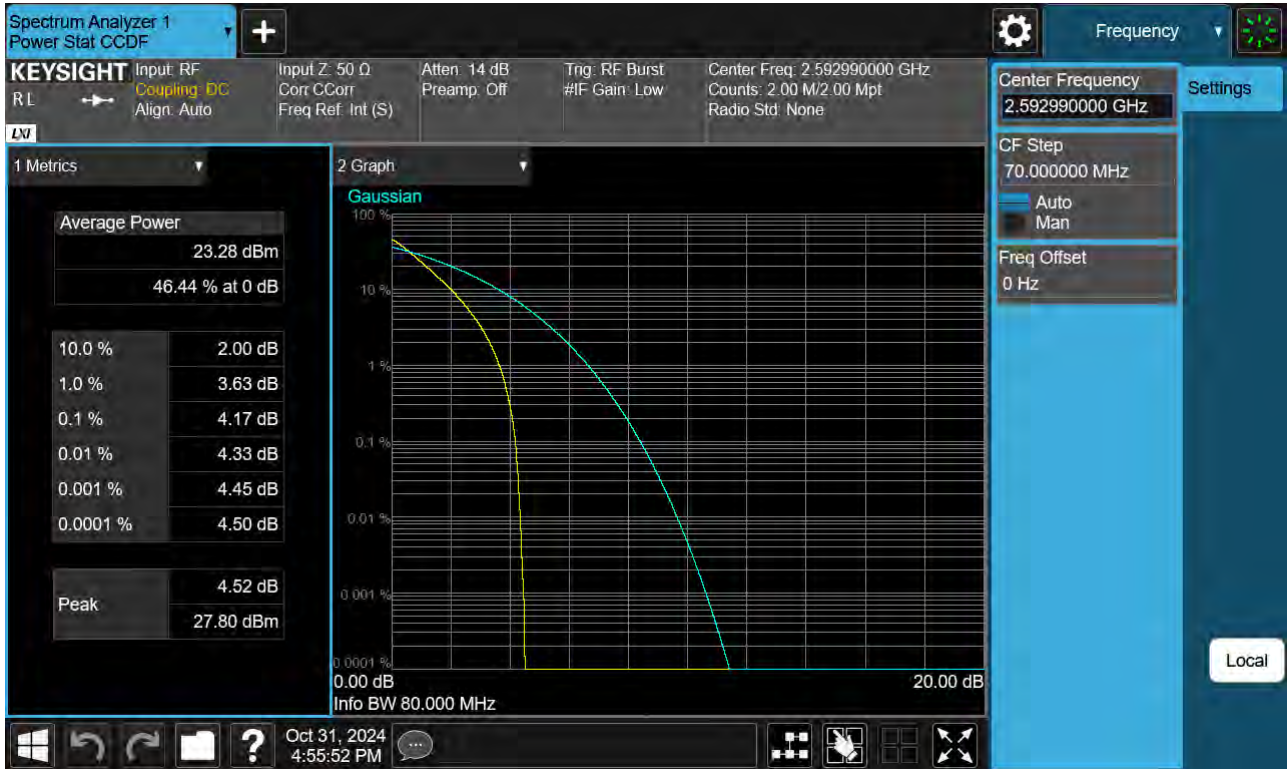
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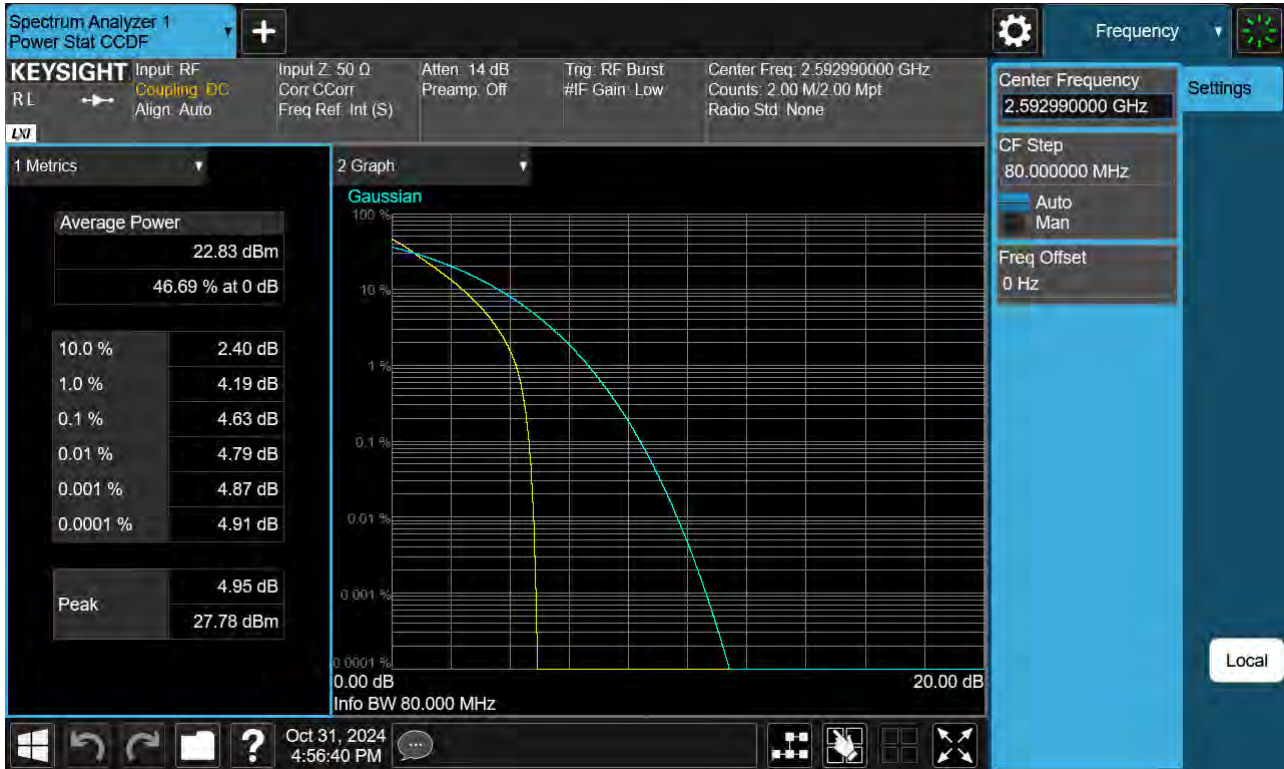
NR41_70 M_PAR_Mid_256QAM_FullRB



NR41_80 M_PAR_Mid_BPSK_FullRB



NR41_80 M_PAR_Mid_QPSK_FullRB



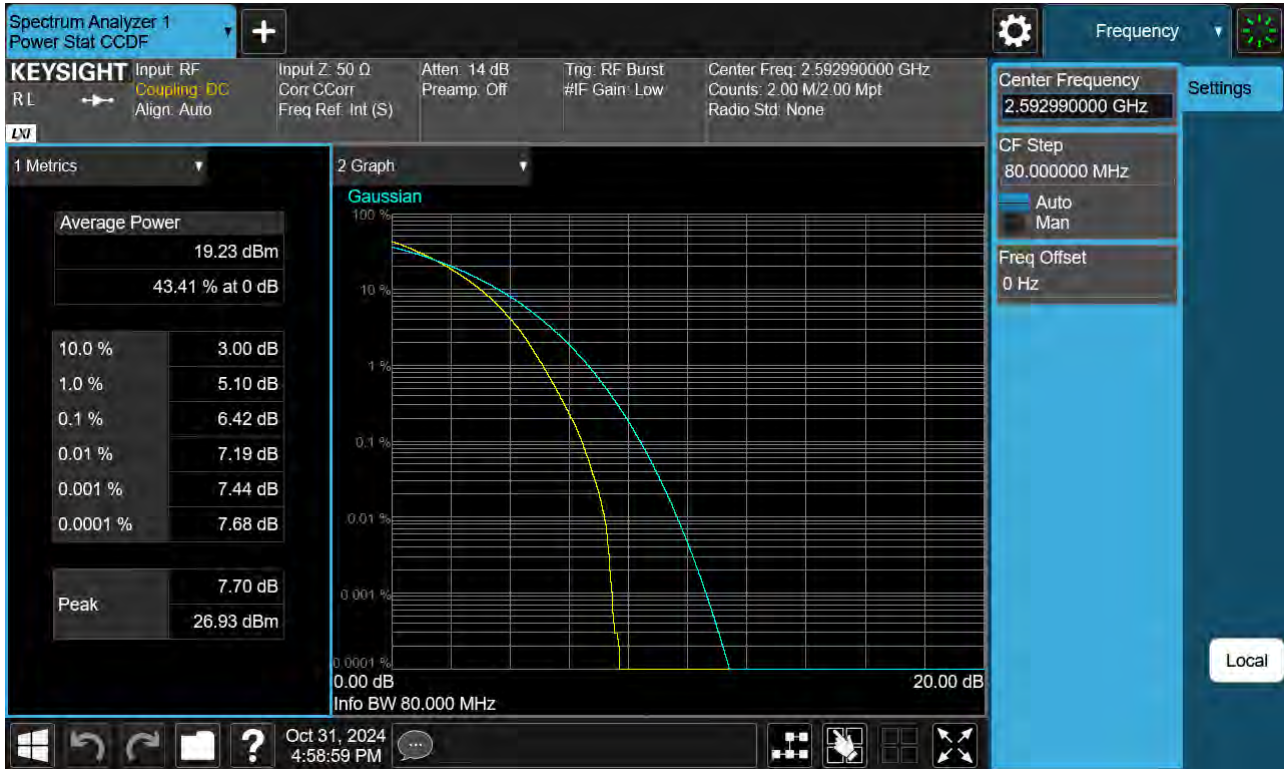
NR41_80 M_PAR_Mid_16QAM_FullRB



NR41_80 M_PAR_Mid_64QAM_FullRB



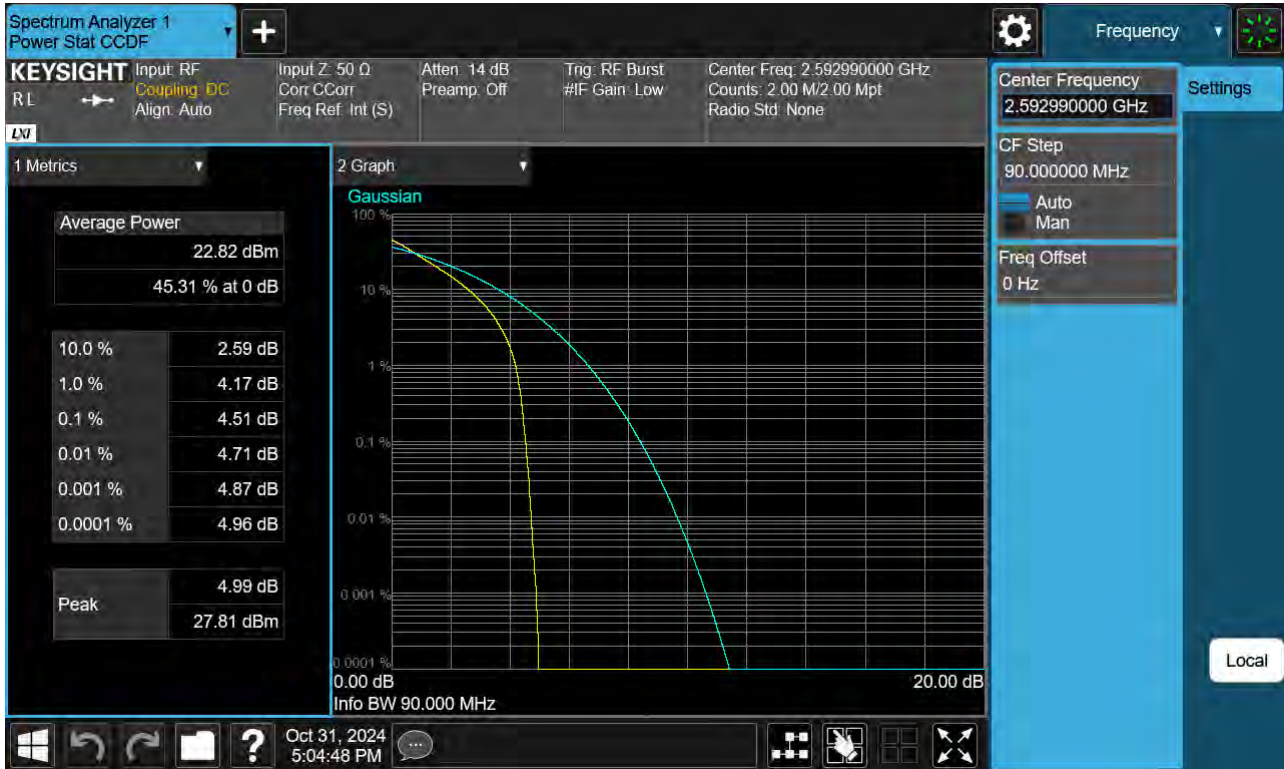
NR41_80 M_PAR_Mid_256QAM_FullRB



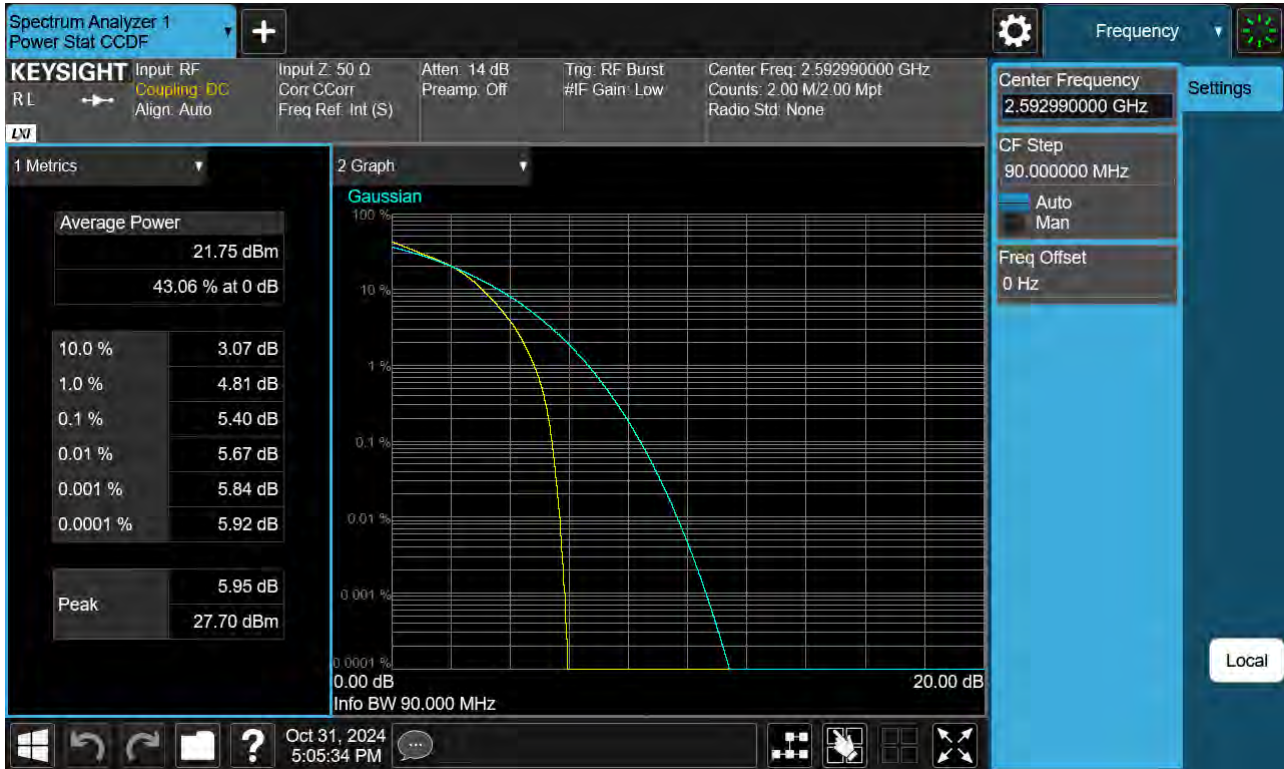
NR41_90 M_PAR_Mid_BPSK_FullRB



NR41_90 M_PAR_Mid_QPSK_FullRB



NR41_90 M_PAR_Mid_16QAM_FullRB



NR41_90 M_PAR_Mid_64QAM_FullRB



NR41_90 M_PAR_Mid_256QAM_FullRB



NR41_100 M_PAR_Mid_BPSK_FullRB



NR41_100 M_PAR_Mid_QPSK_FullRB



NR41_100 M_PAR_Mid_16QAM_FullRB



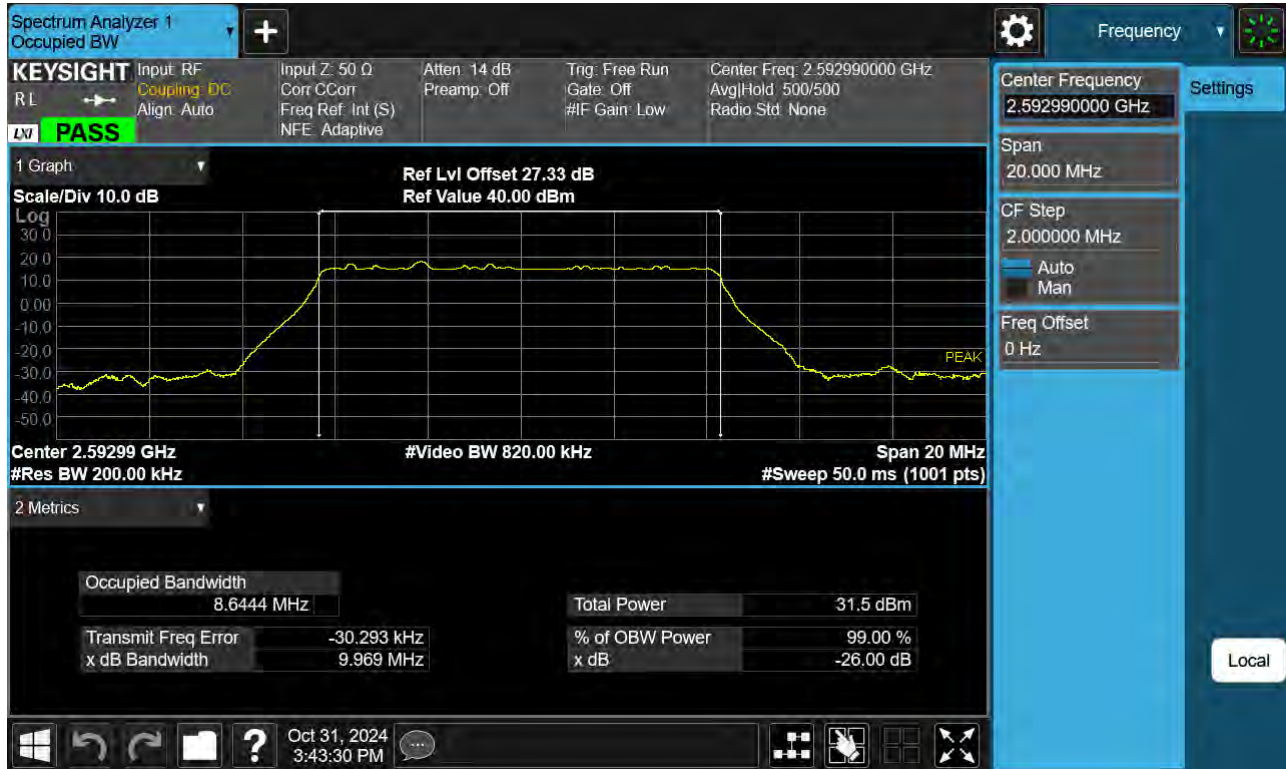
NR41_100 M_PAR_Mid_64QAM_FullRB



NR41_100 M_PAR_Mid_256QAM_FullRB



NR41_10 M_OBW_Mid_BPSK_FullRB



NR41_10 M_OBW_Mid_QPSK_FullRB



NR41_10 M_OBW_Mid_16QAM_FullRB



NR41_10 M_OBW_Mid_64QAM_FullRB



NR41_10 M_OBW_Mid_256QAM_FullRB



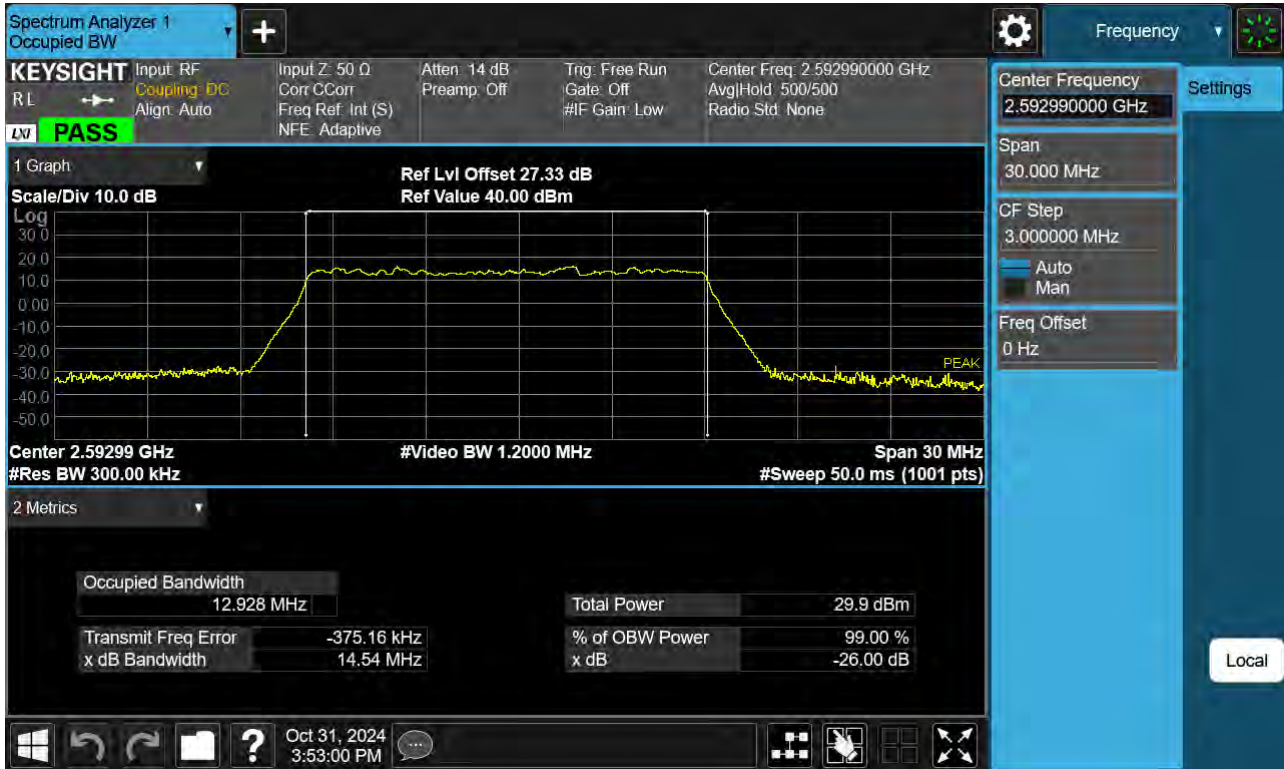
NR41_15 M_OBW_Mid_BPSK_FullRB



NR41_15 M_OBW_Mid_QPSK_FullRB



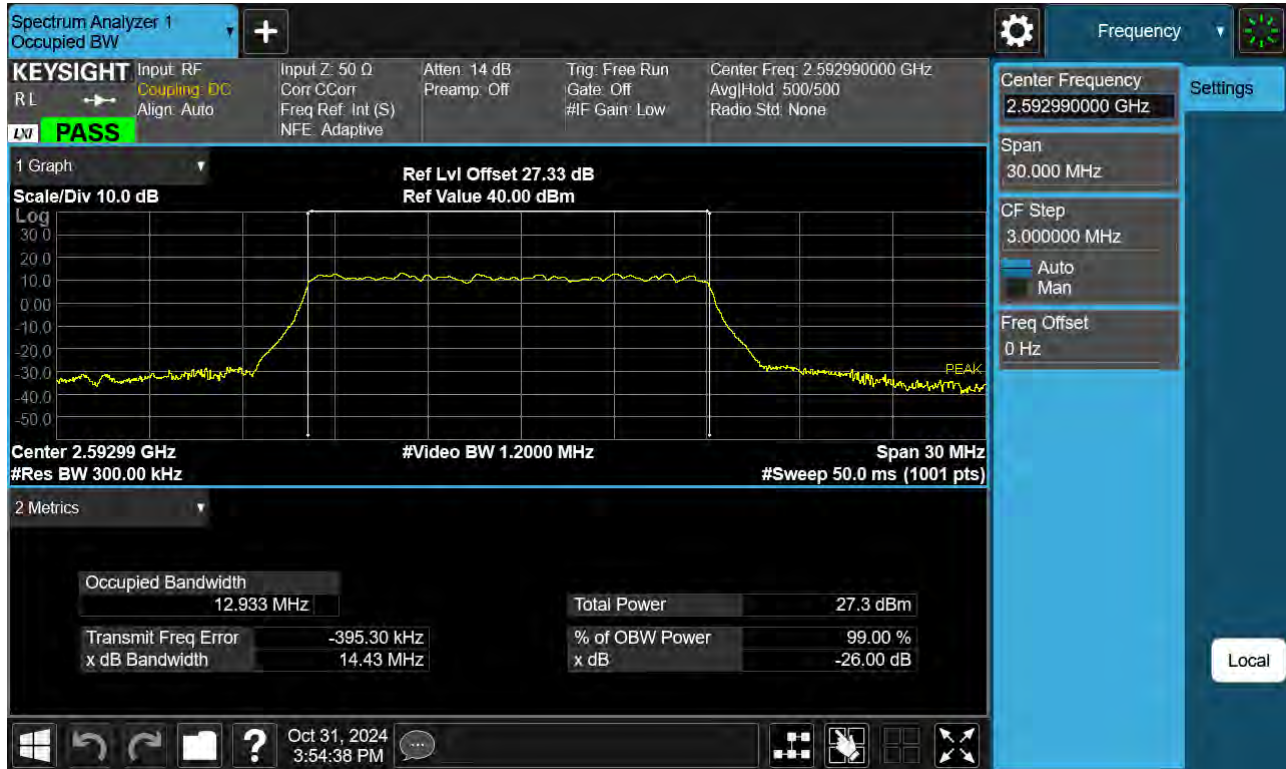
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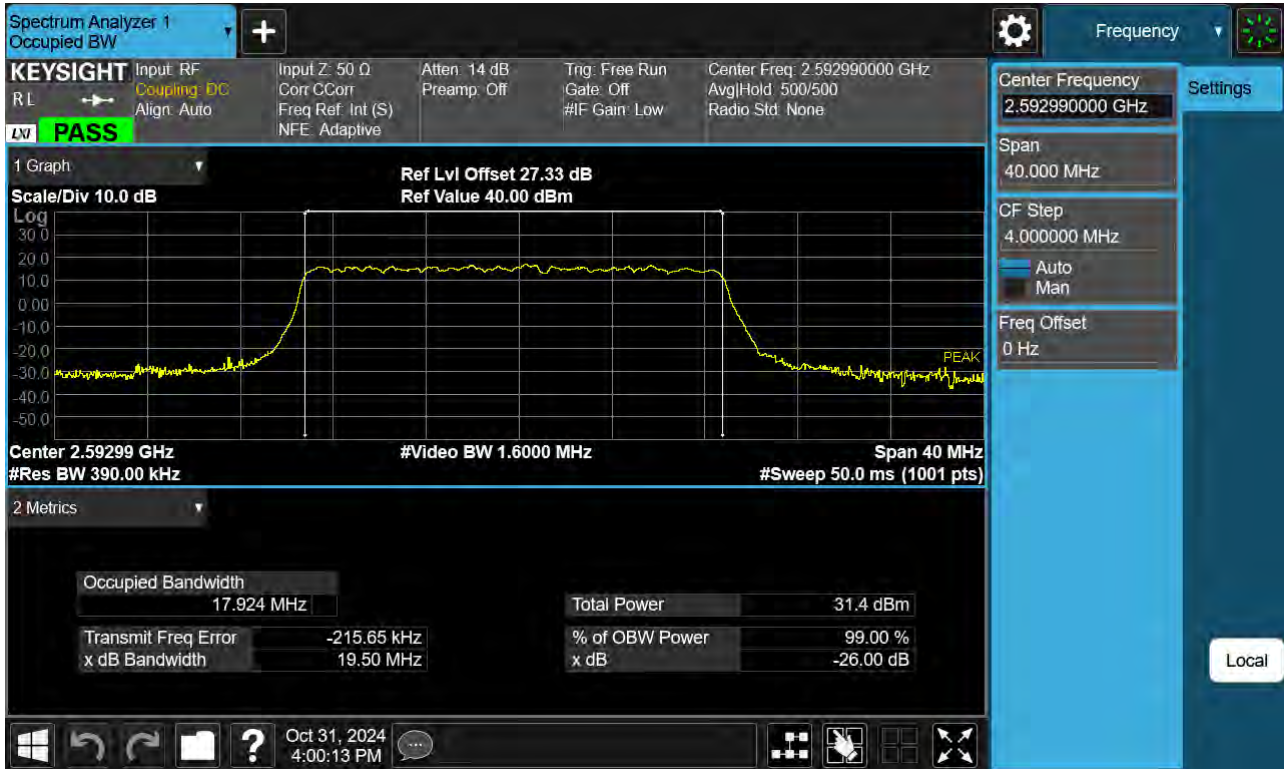
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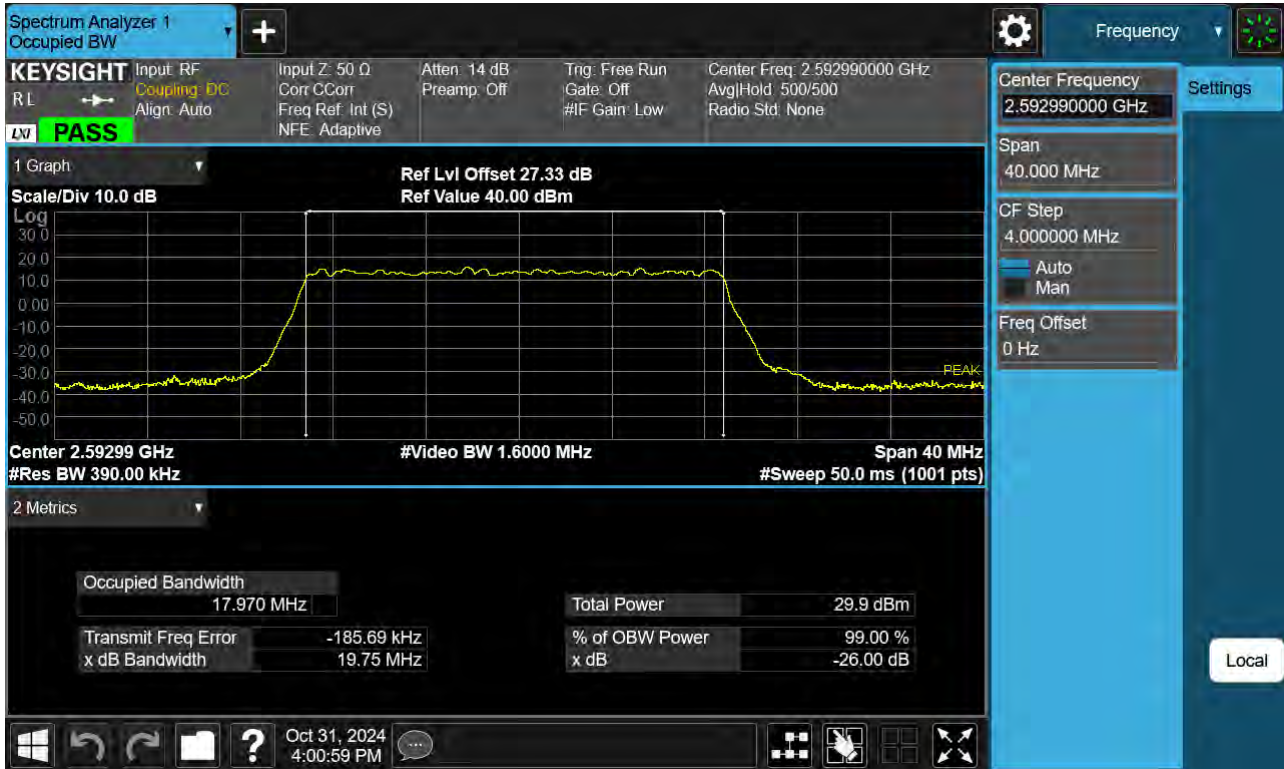
NR41_20 M_OBW_Mid_BPSK_FullRB



NR41_20 M_OBW_Mid_QPSK_FullRB



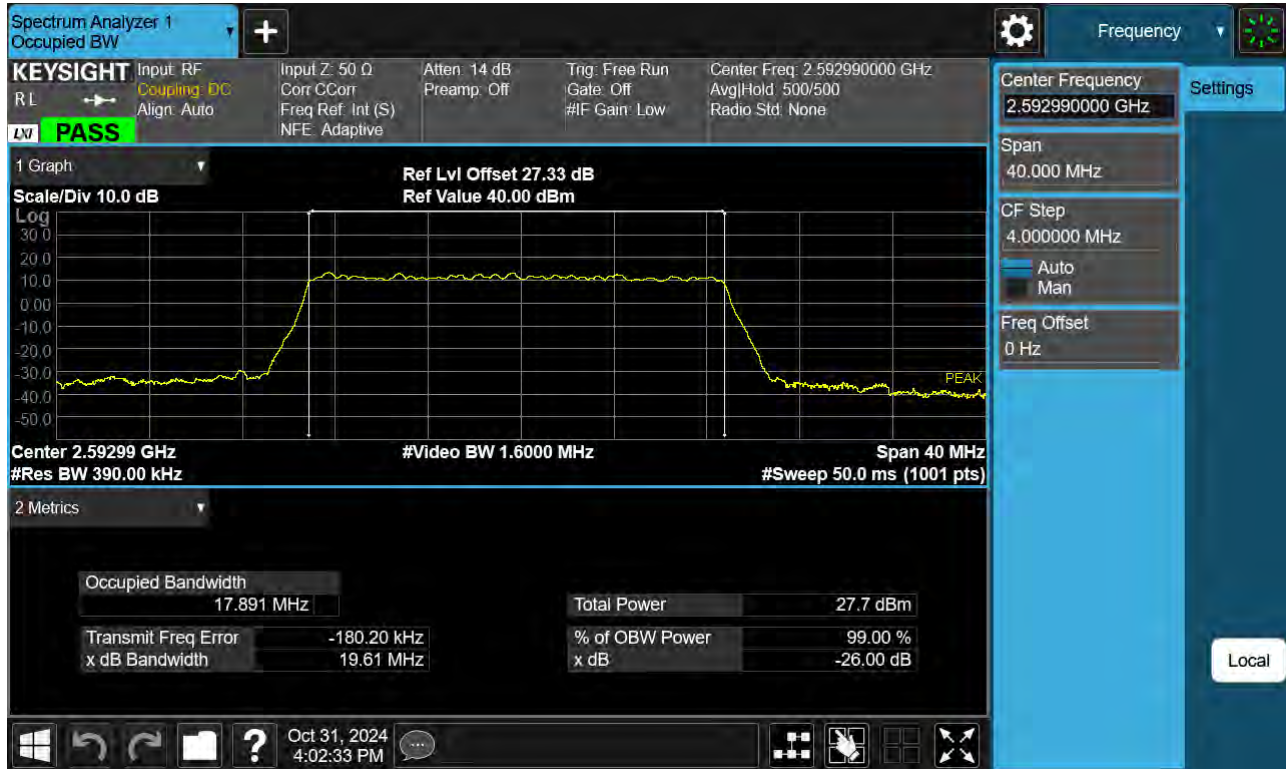
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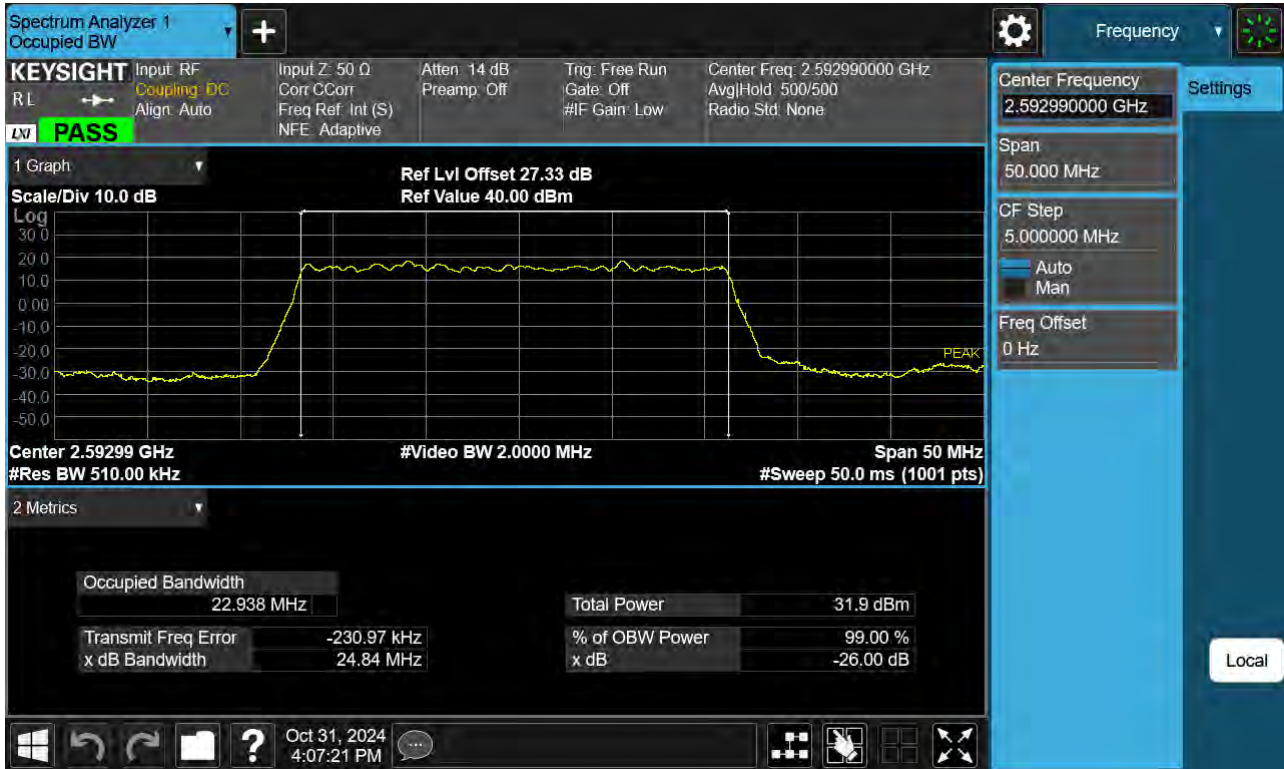
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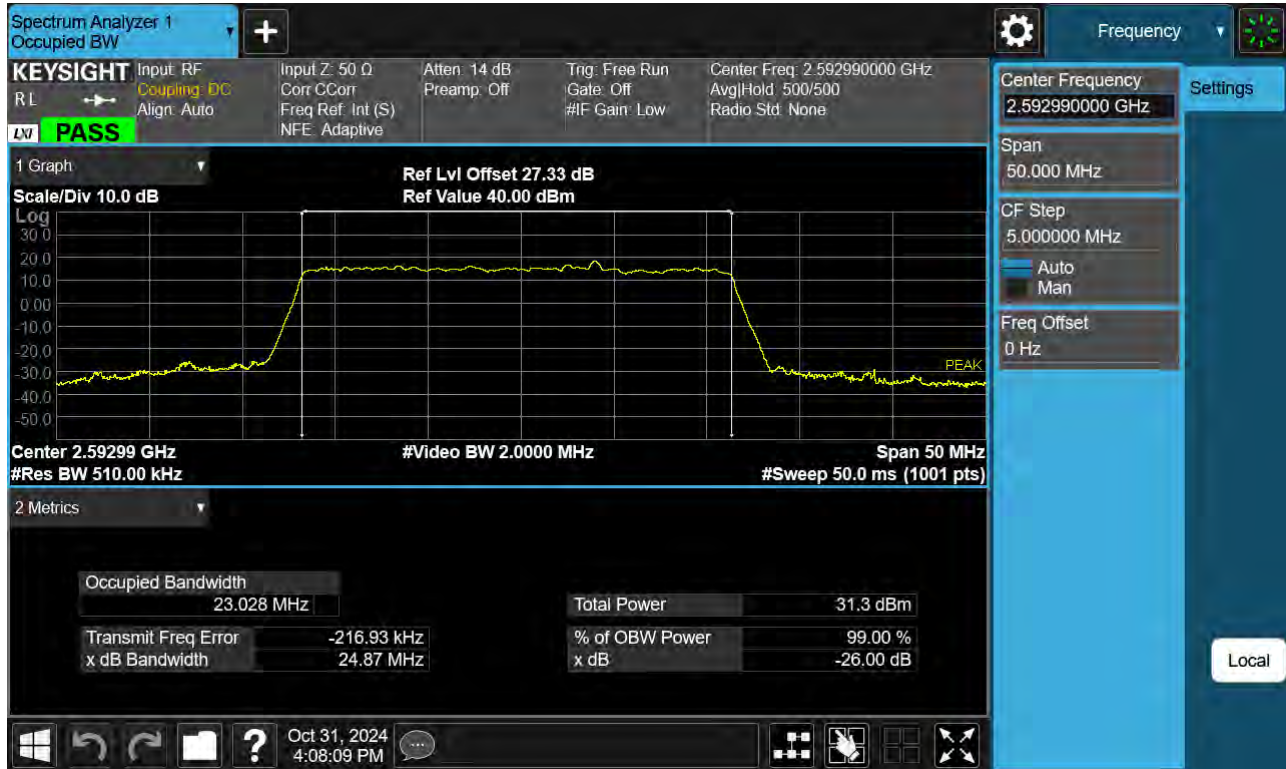
NR41_20 M_OBW_Mid_256QAM_FullRB



NR41_25 M_OBW_Mid_BPSK_FullRB



NR41_25 M_OBW_Mid_QPSK_FullRB



NR41_25 M_OBW_Mid_16QAM_FullRB

