



SGS-CSTC Standards Technical Services Co., Ltd.
Shenzhen Branch

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Appendix B.24

NR Band n13



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Shenzhen Branch, Inspection & Testing Services
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99% & 26dB Bandwidth

Test Result

N13-5M-OBW-M-DFT-s-OFDM-Pi2 BPSK						
Modulation	Mid CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK		Outer Full	4.494	5.144	/	Pass
CP-OFDM QPSK		Outer Full	4.508	5.247	/	Pass

5G NR N13 SCS=15kHz 10MHz						
Modulation	Mid CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK		Outer Full	8.916	9.64	/	Pass
CP-OFDM QPSK		Outer Full	8.926	9.638	/	Pass



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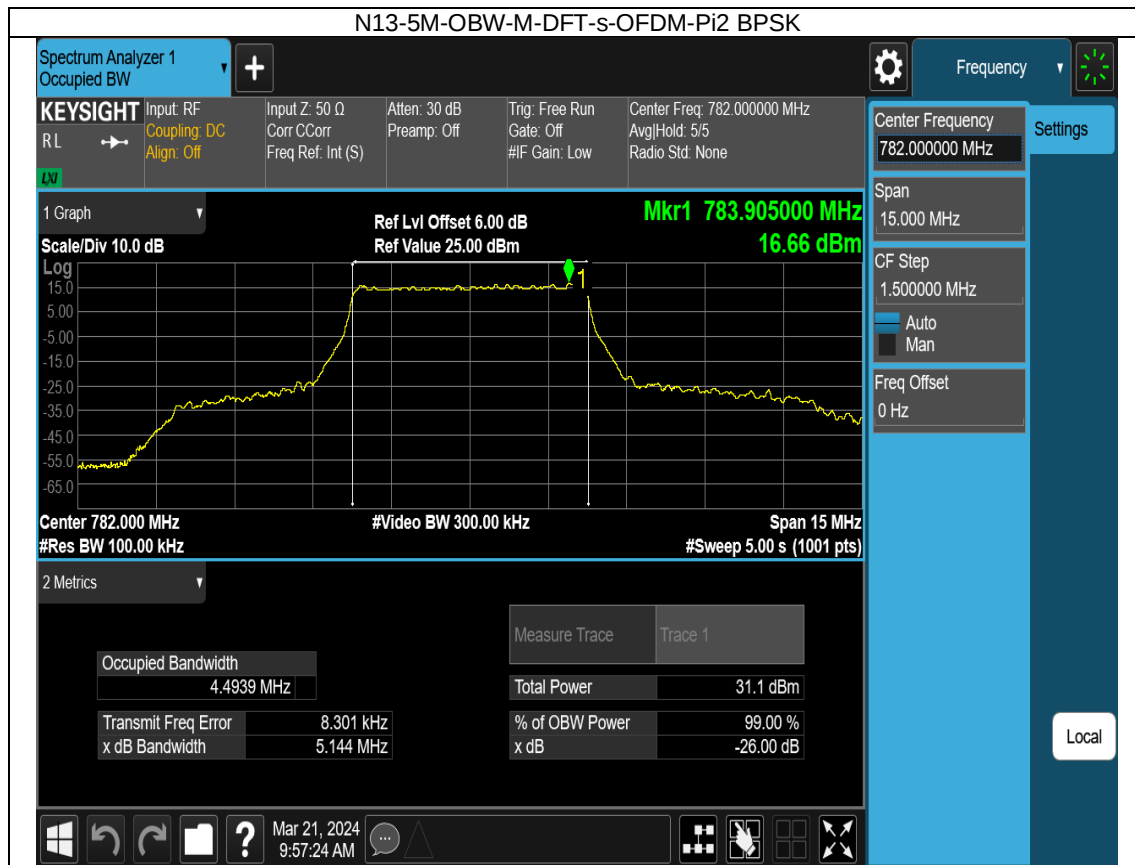
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Test Graph



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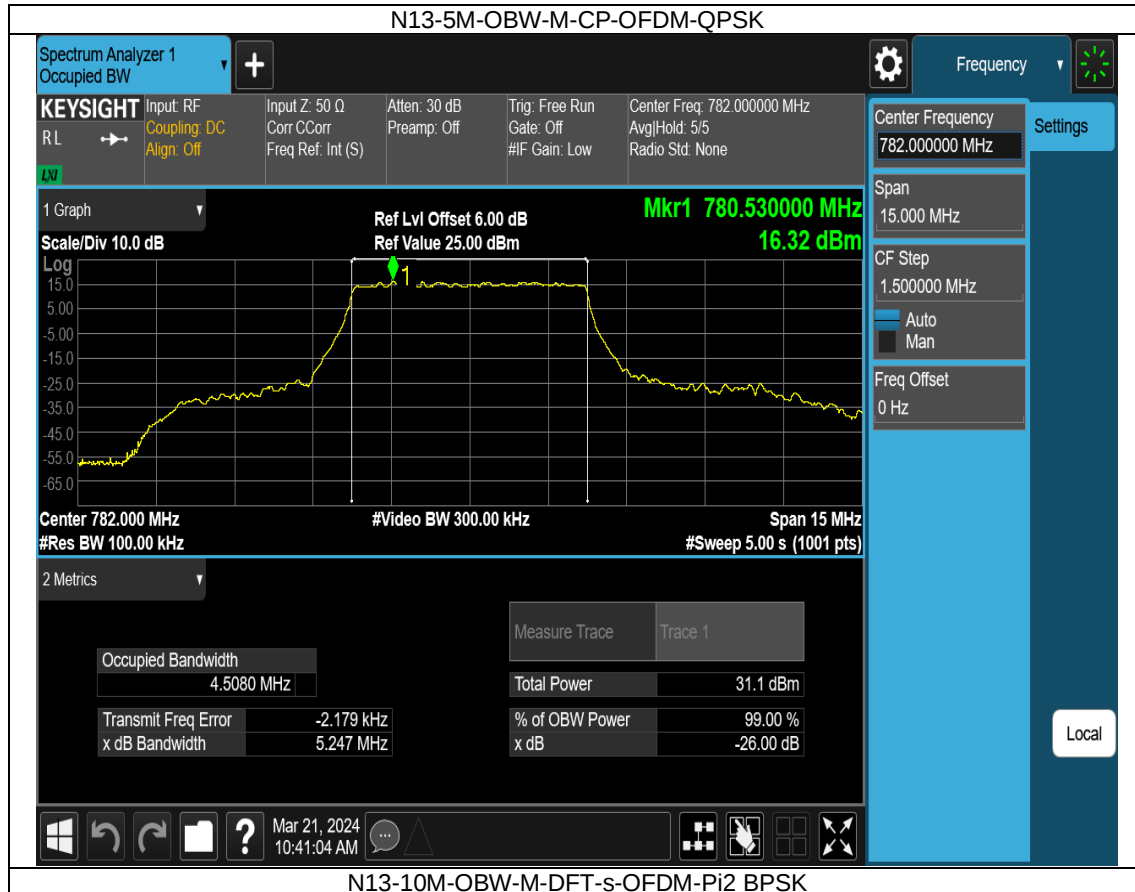


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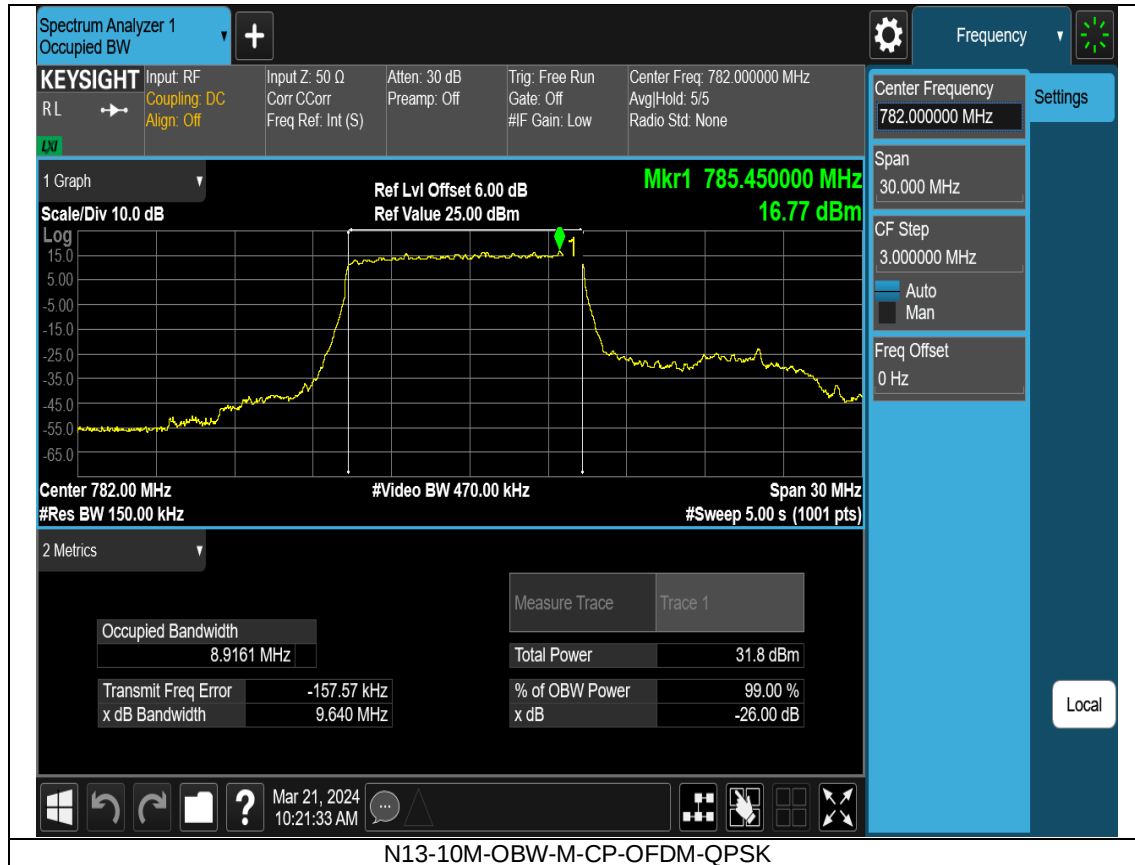


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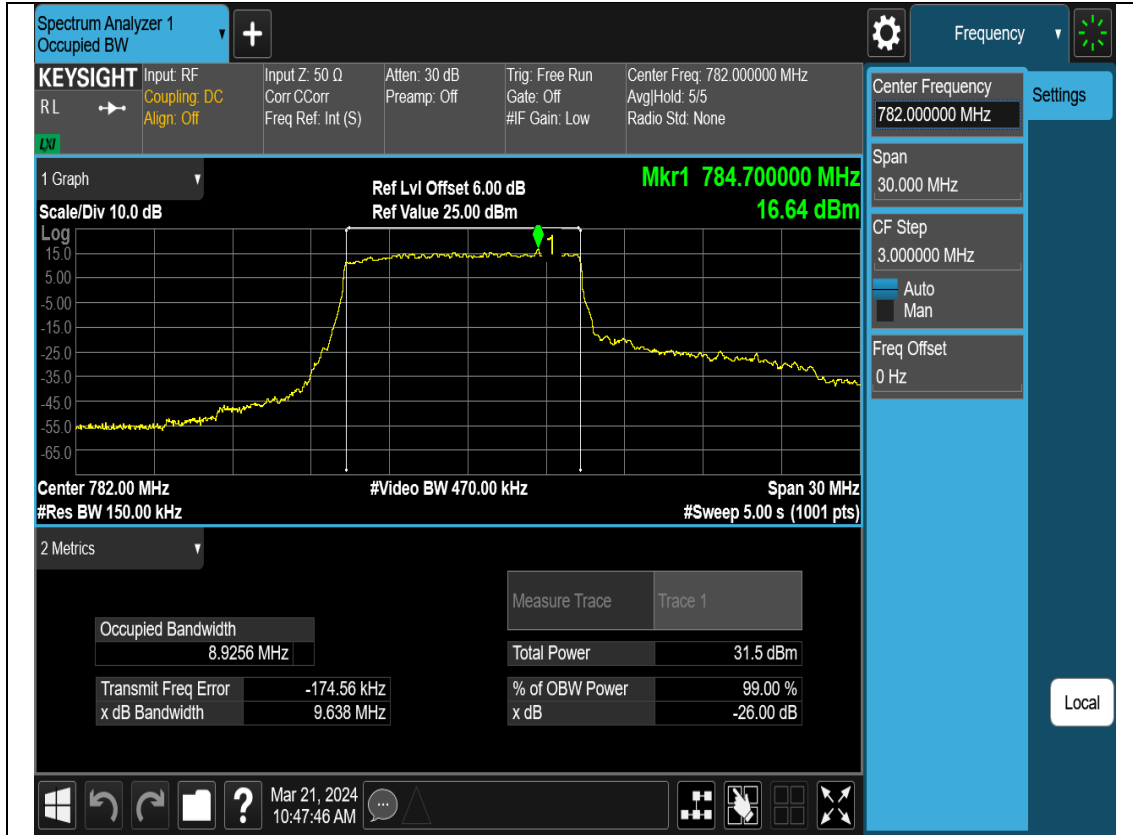


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Peak-Average Ratio

Test Result

5G NR N13 SCS=15kHz 5MHz					
Modulation	Mid CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK		Outer_Full	4.53	<=13	Pass
CP-OFDM QPSK		Outer_Full	4.57	<=13	Pass

5G NR N13 SCS=15kHz 10MHz					
Modulation	Mid CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK		Outer_Full	4.24	<=13	Pass
CP-OFDM QPSK		Outer_Full	4.71	<=13	Pass



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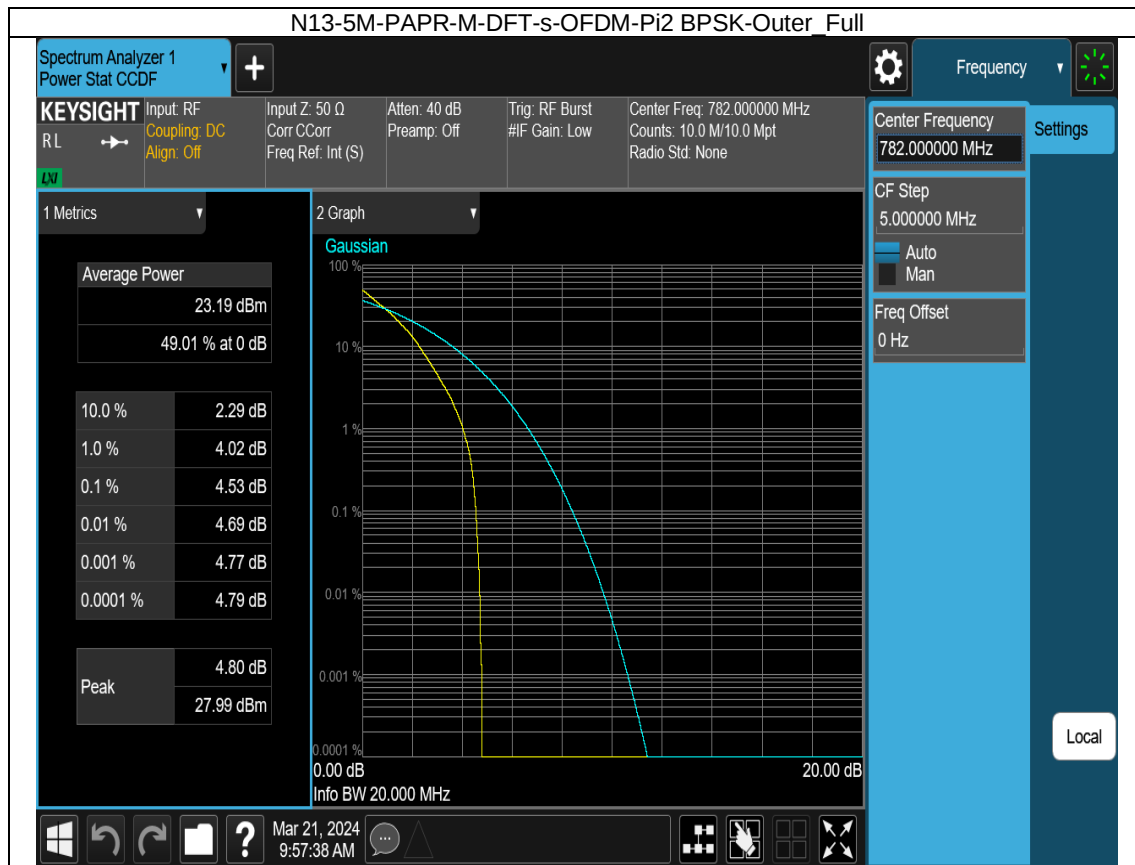
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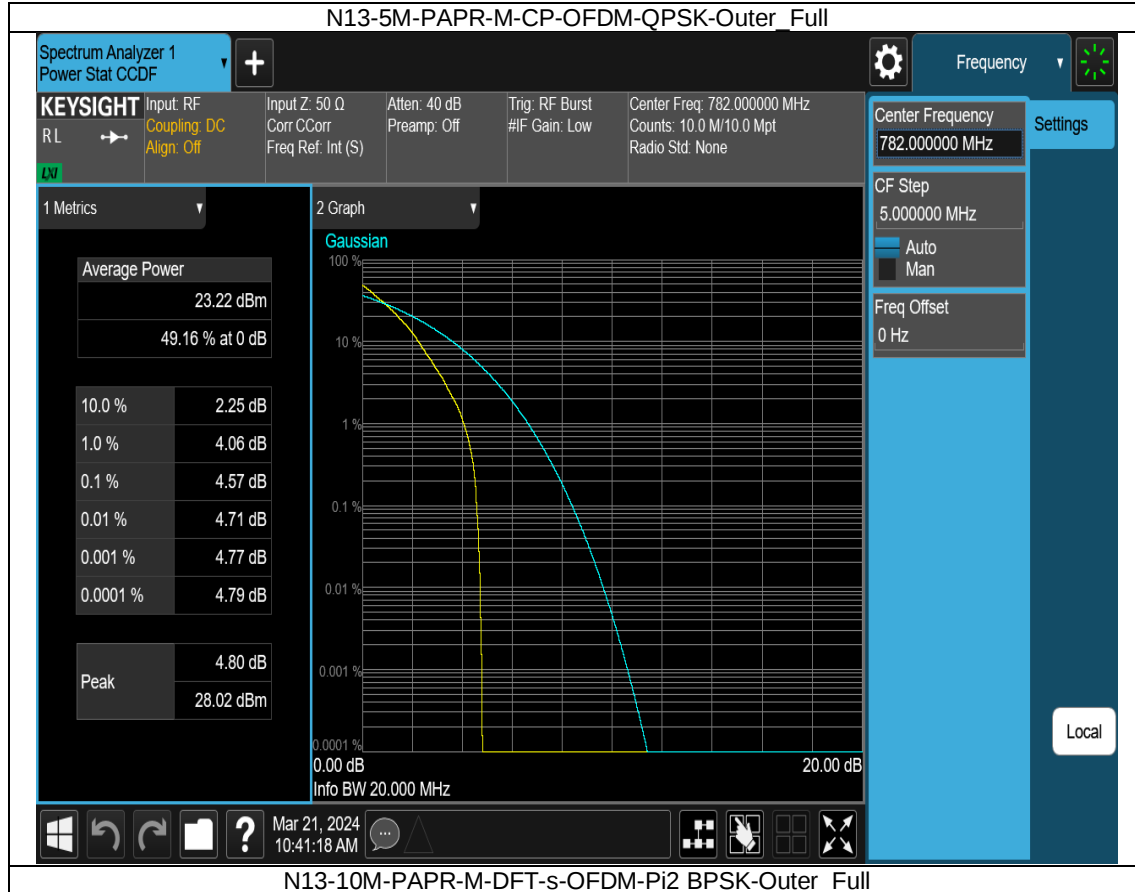


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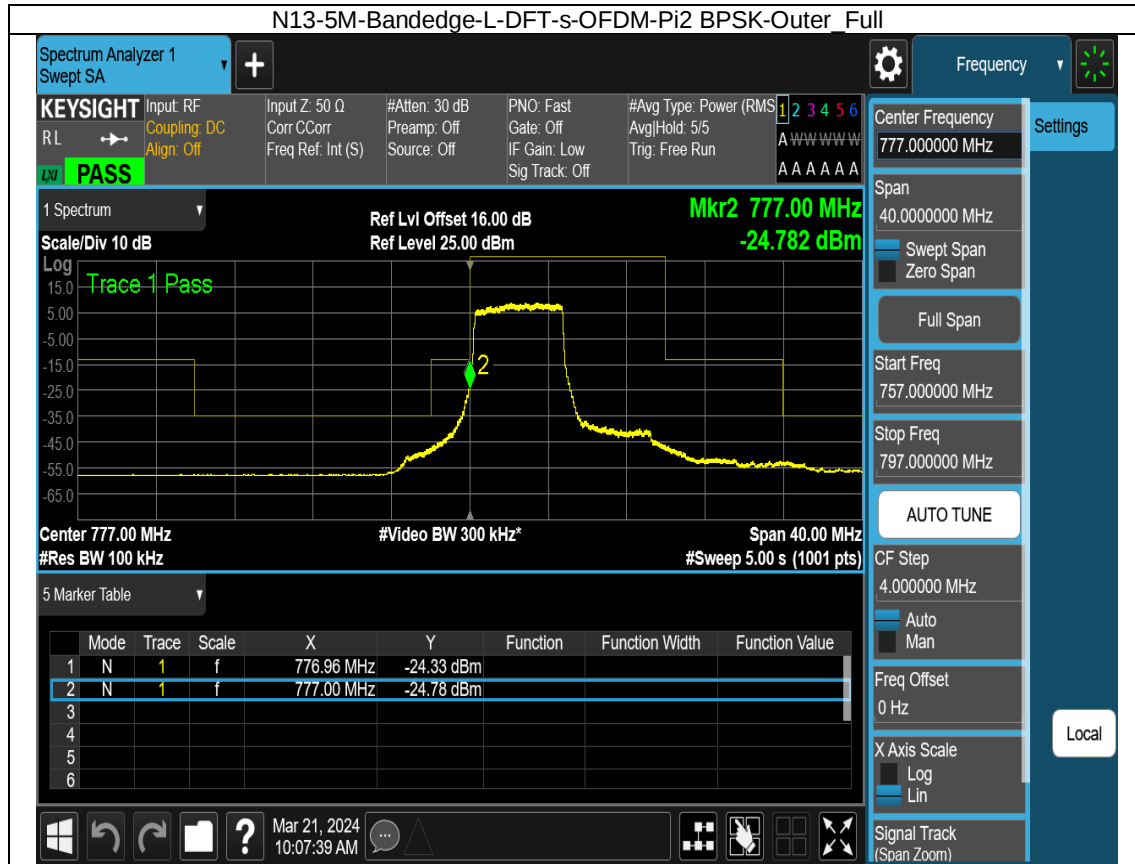
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test graph



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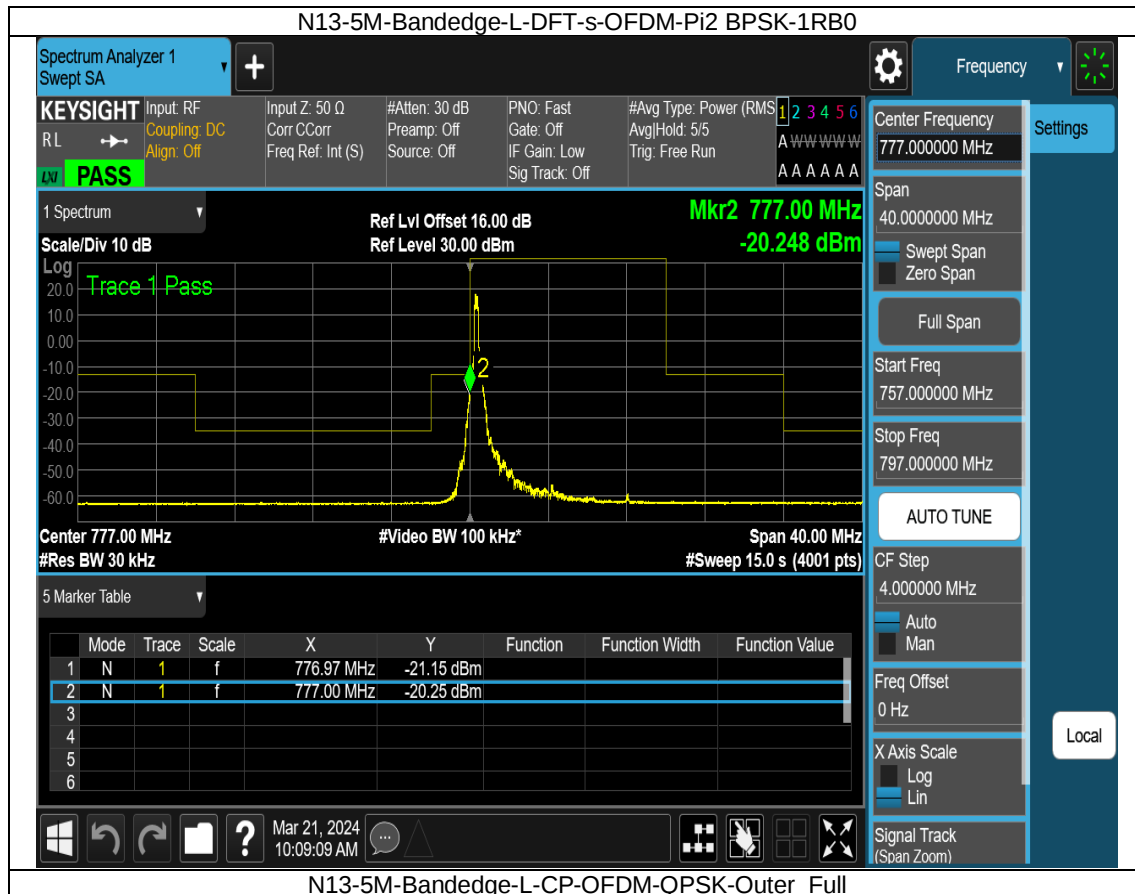


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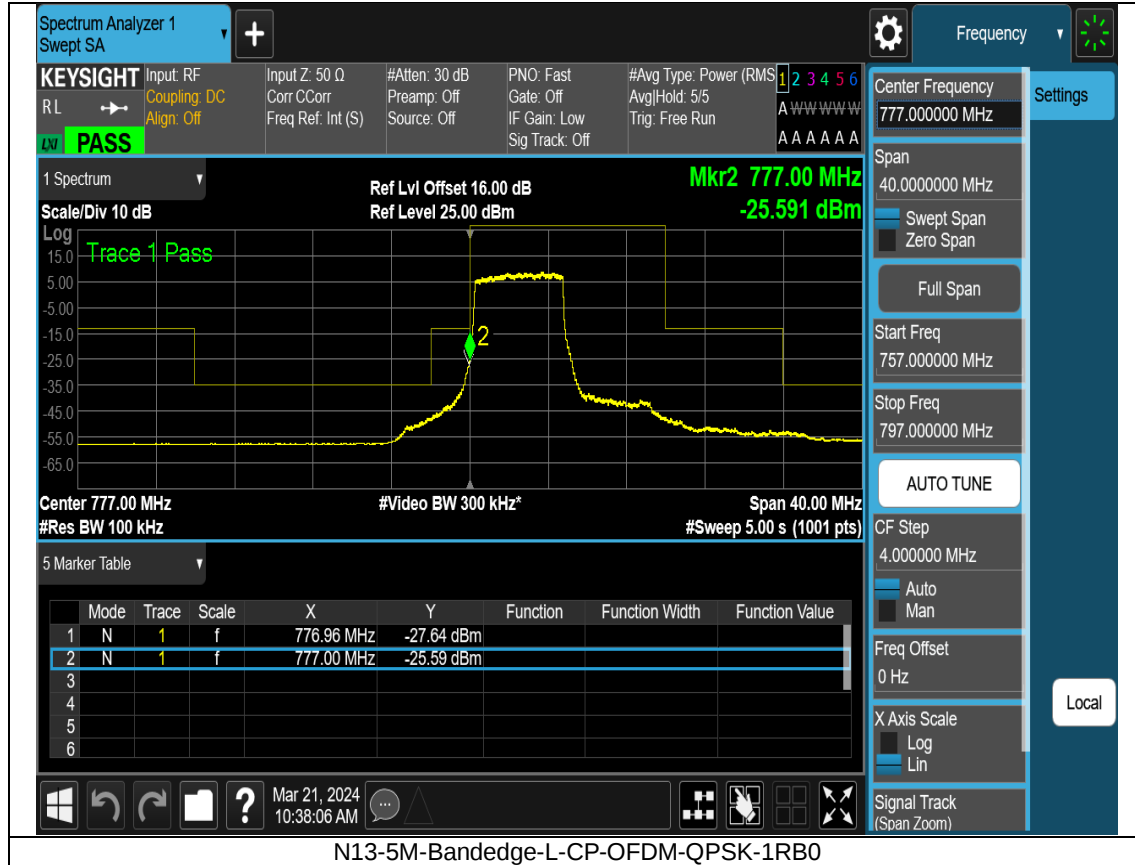


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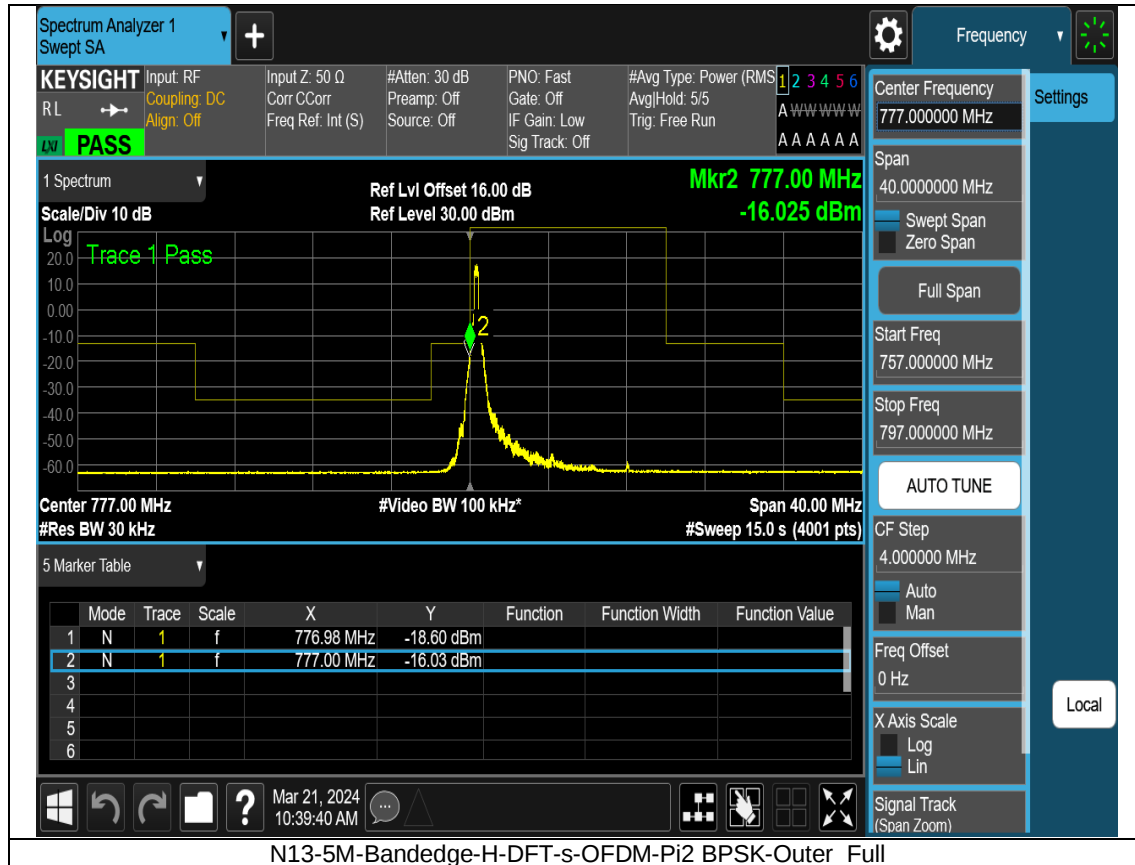


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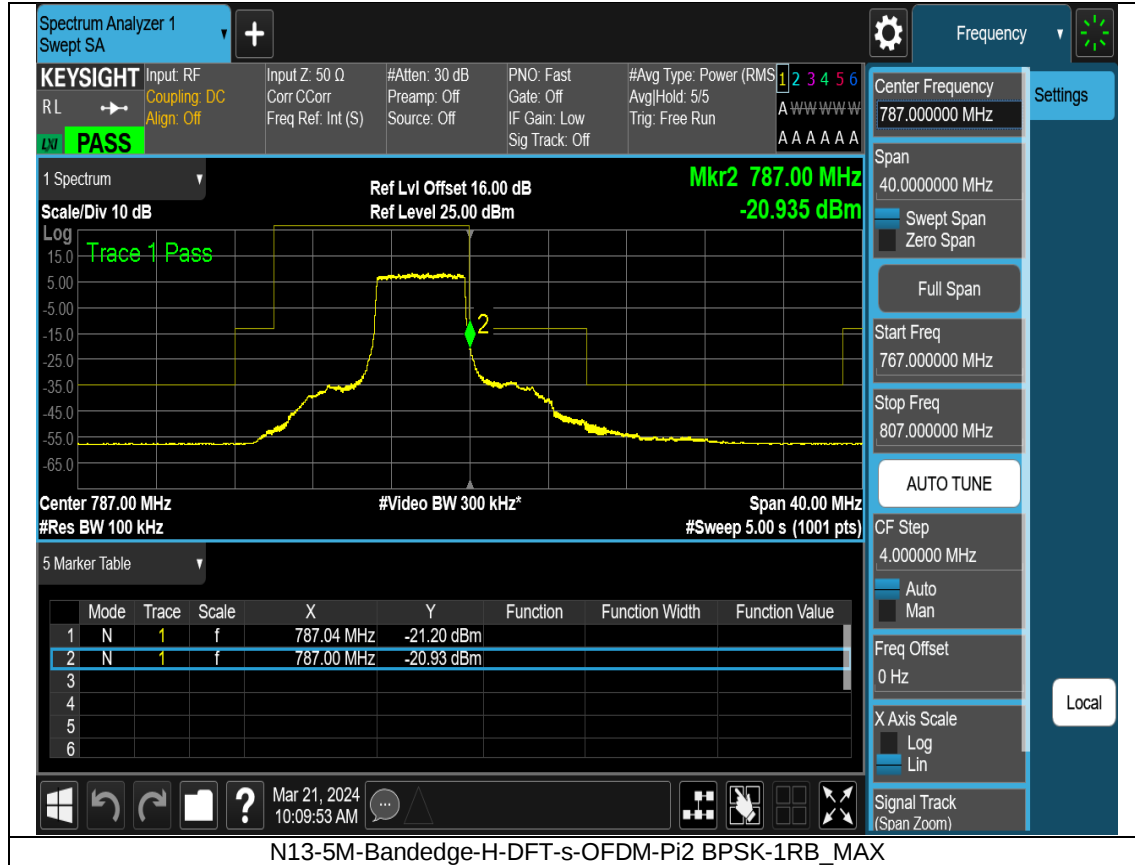


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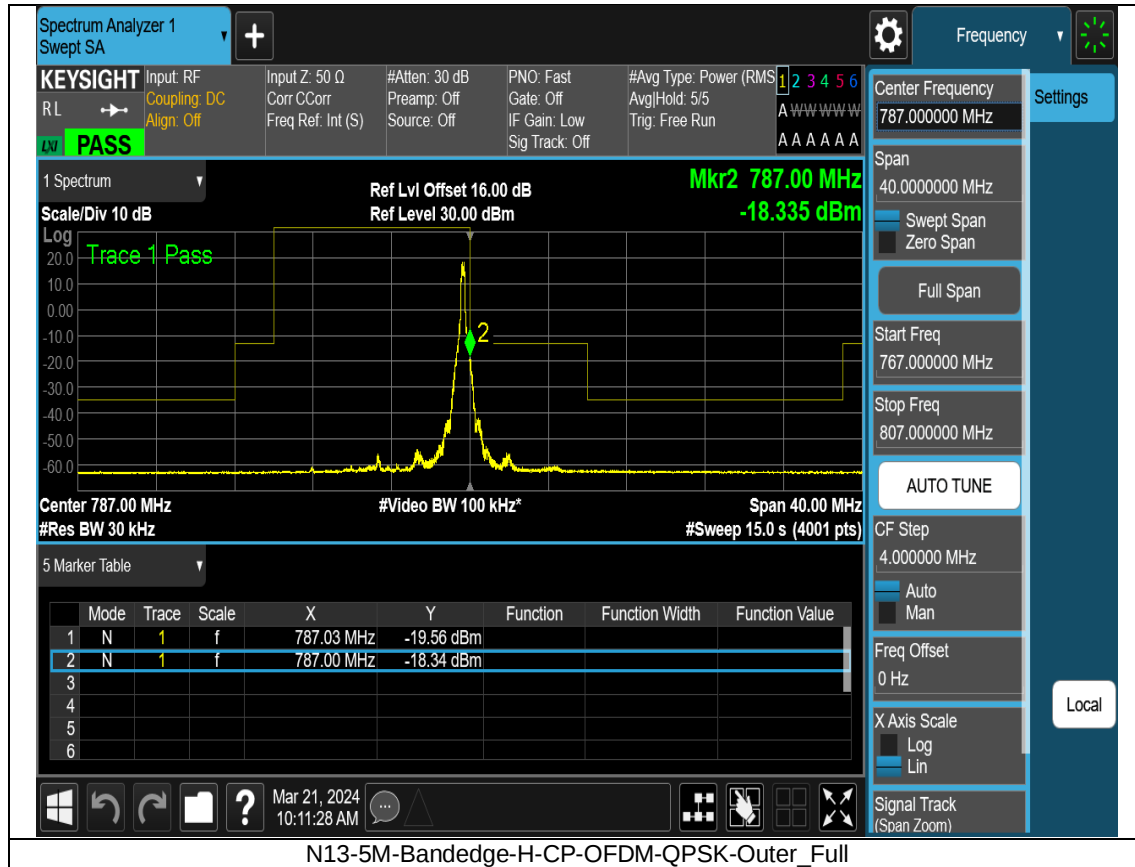


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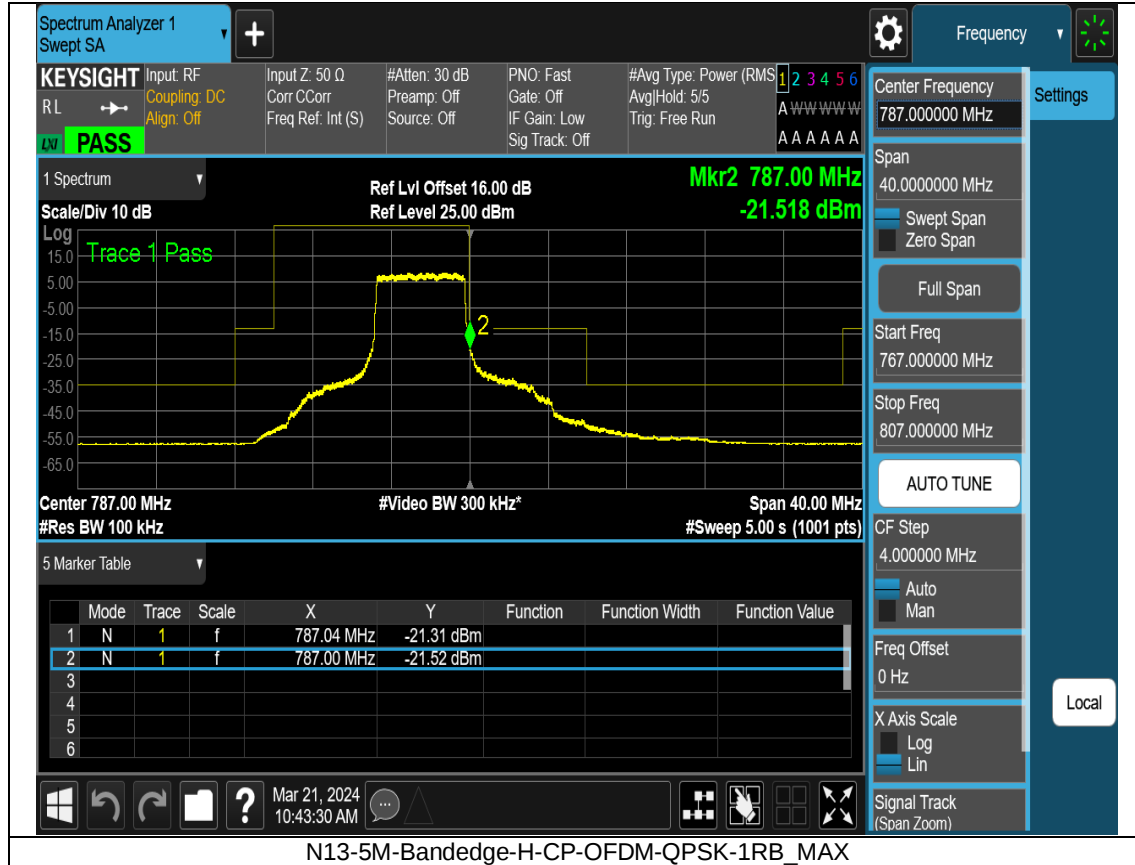


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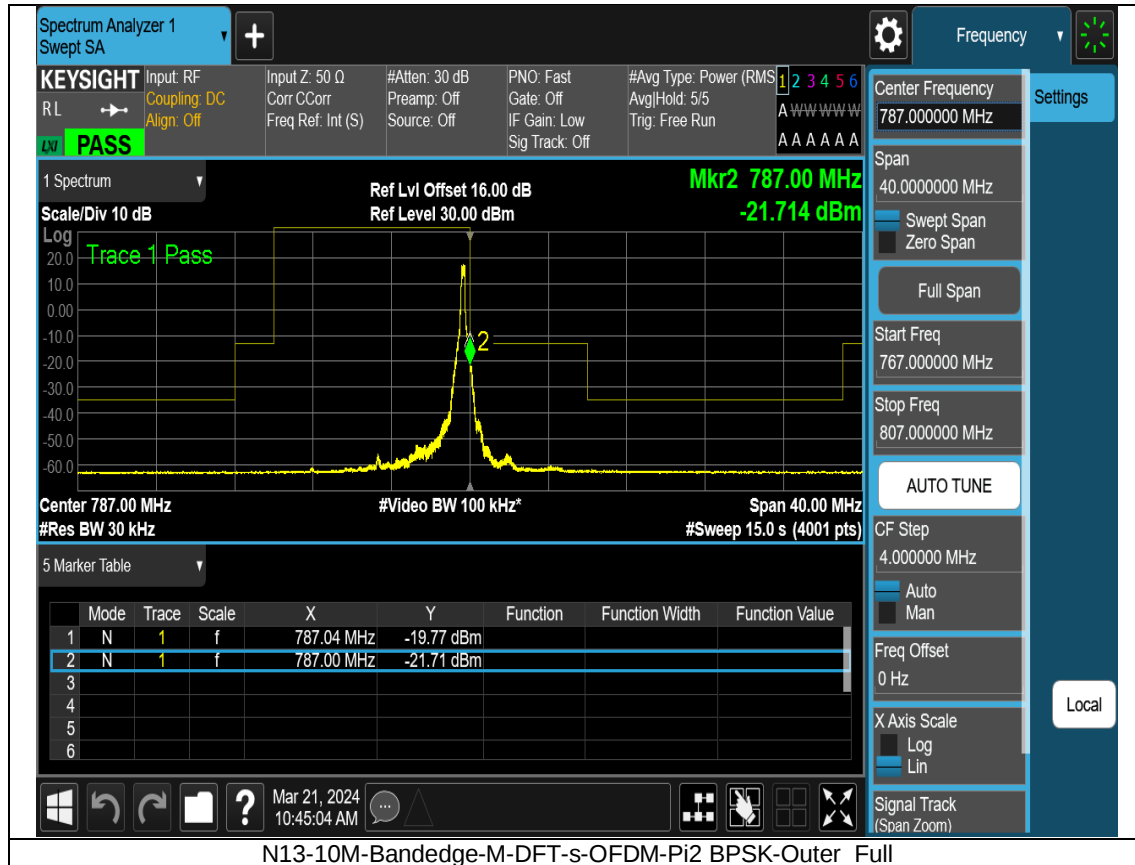


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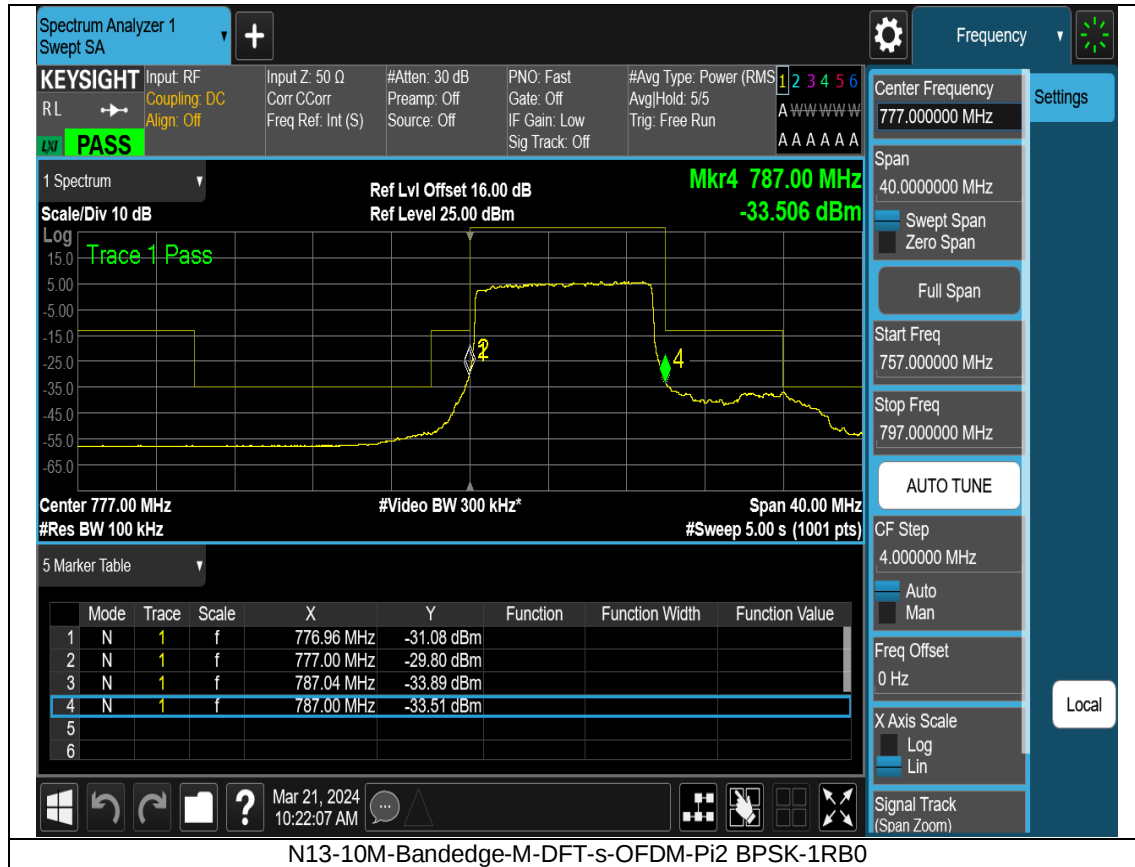


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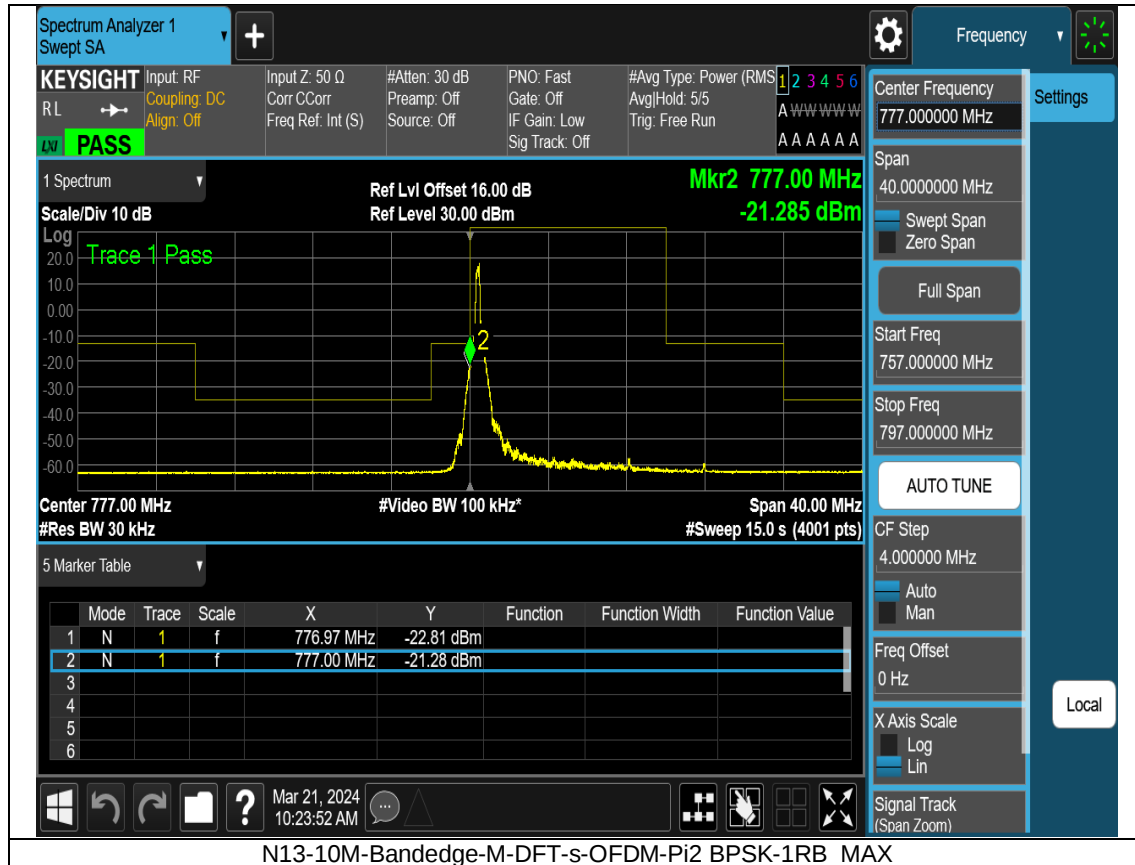


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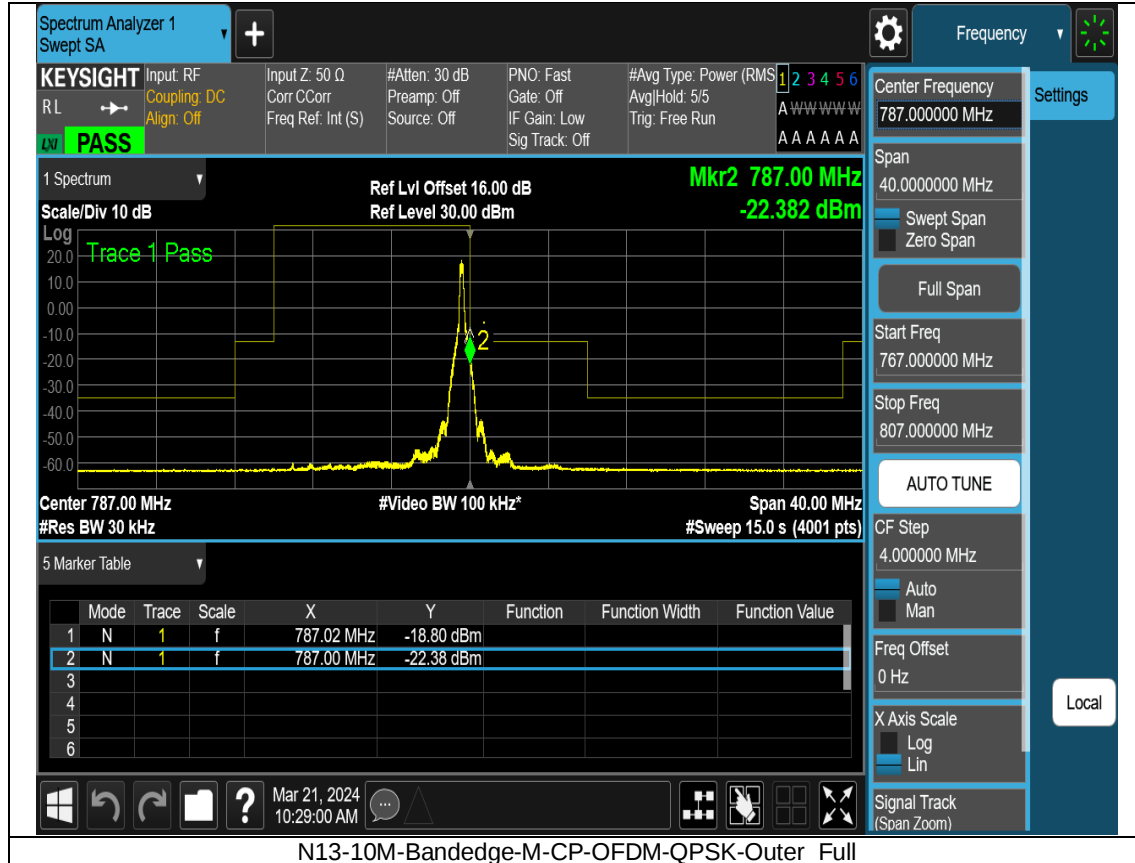


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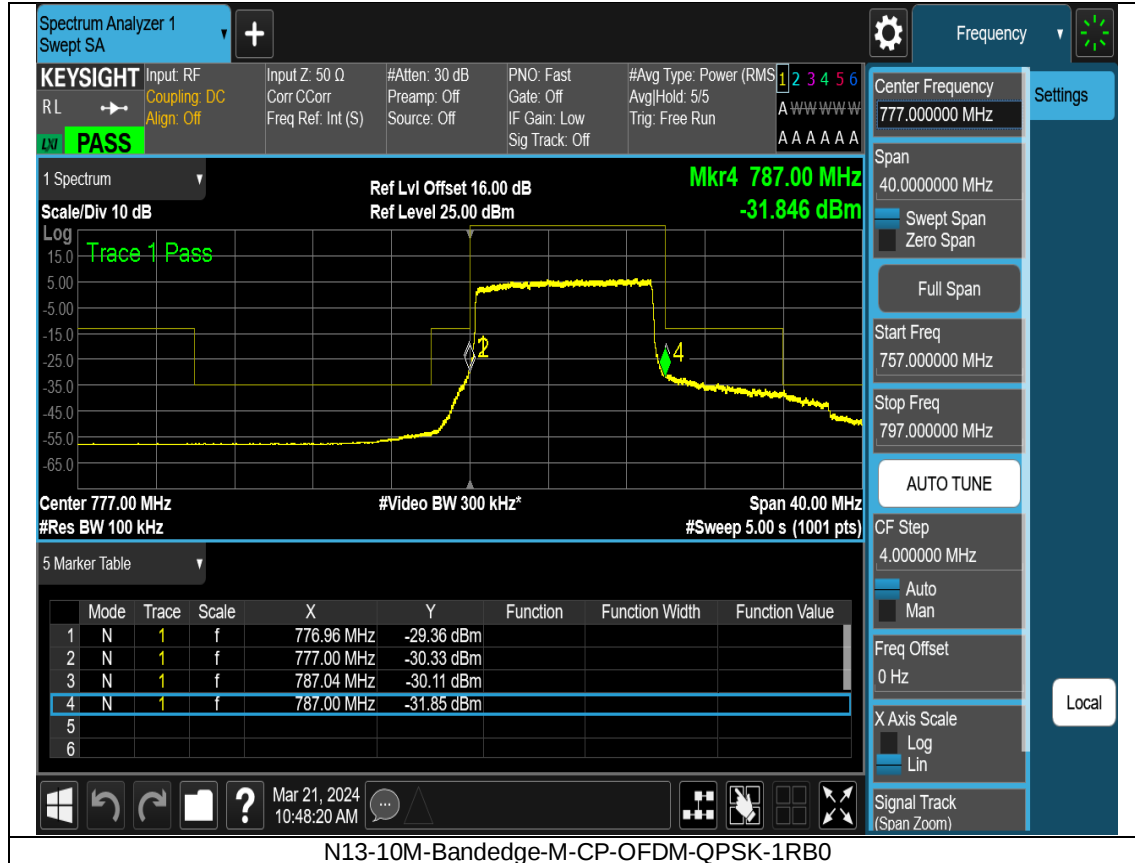


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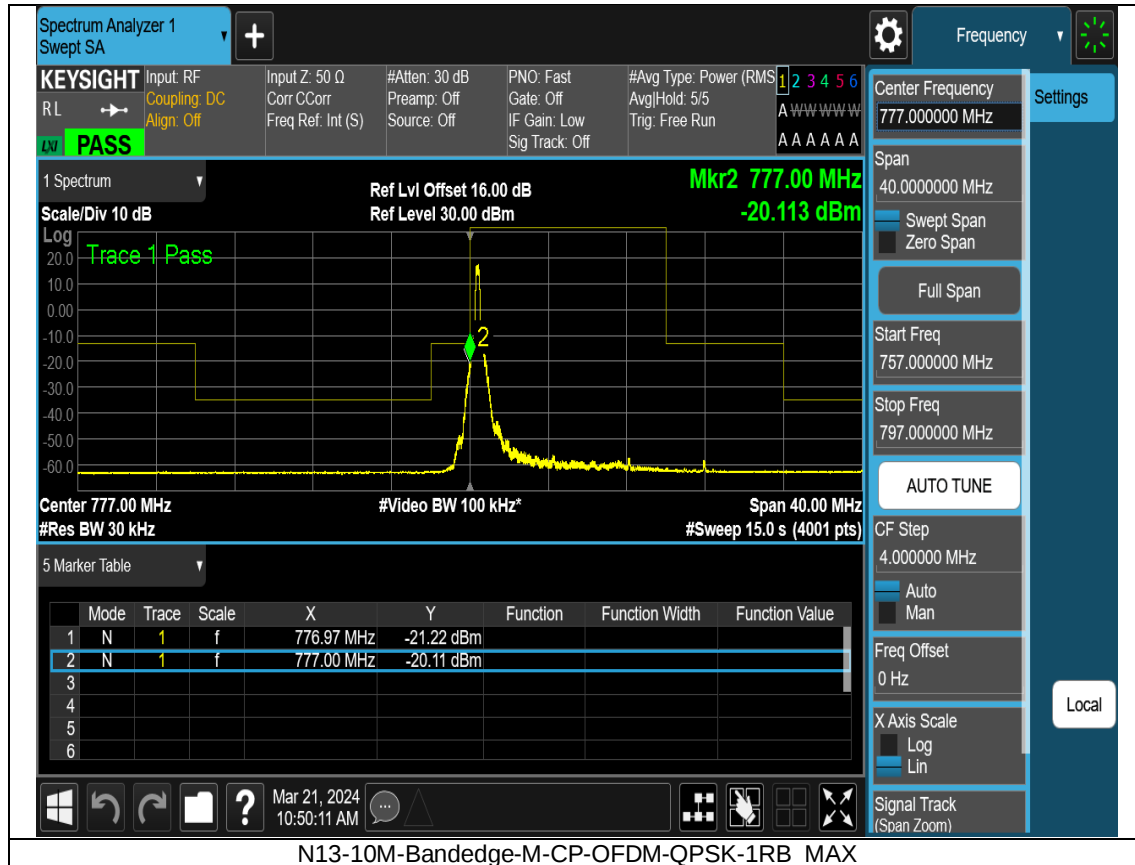


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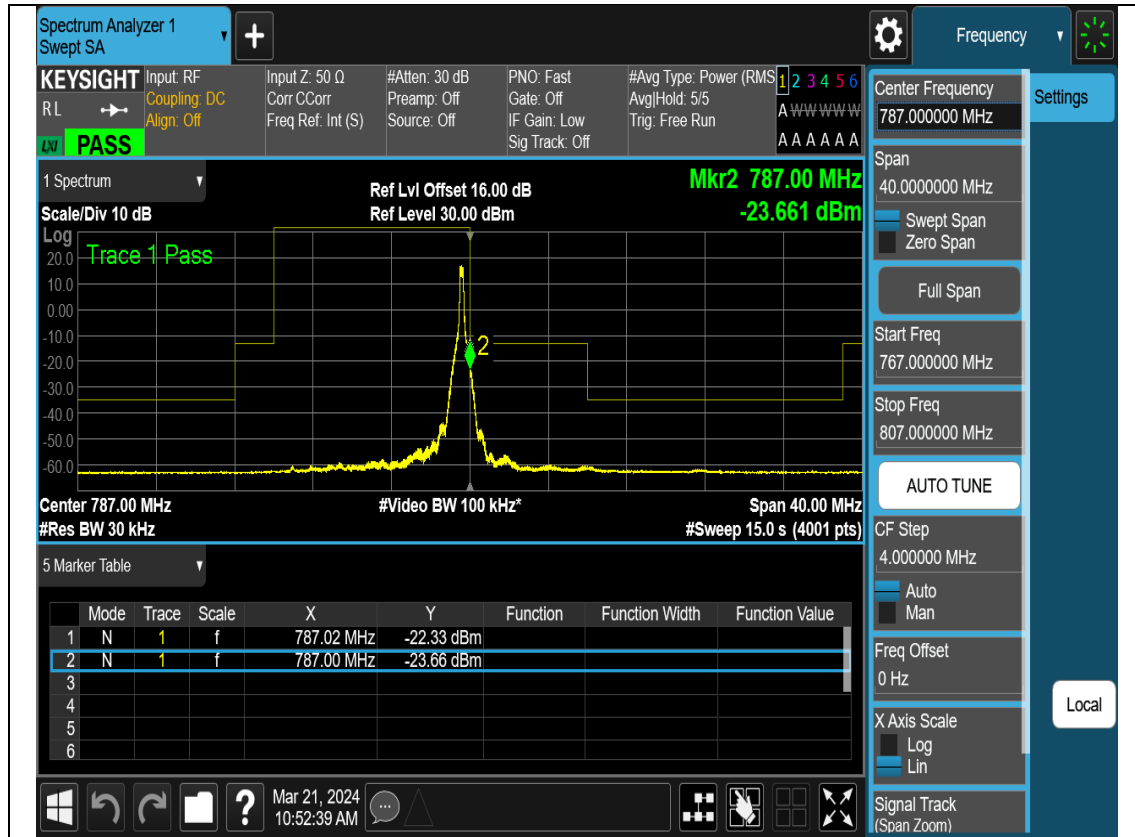


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Conducted spurious emissions

test graph



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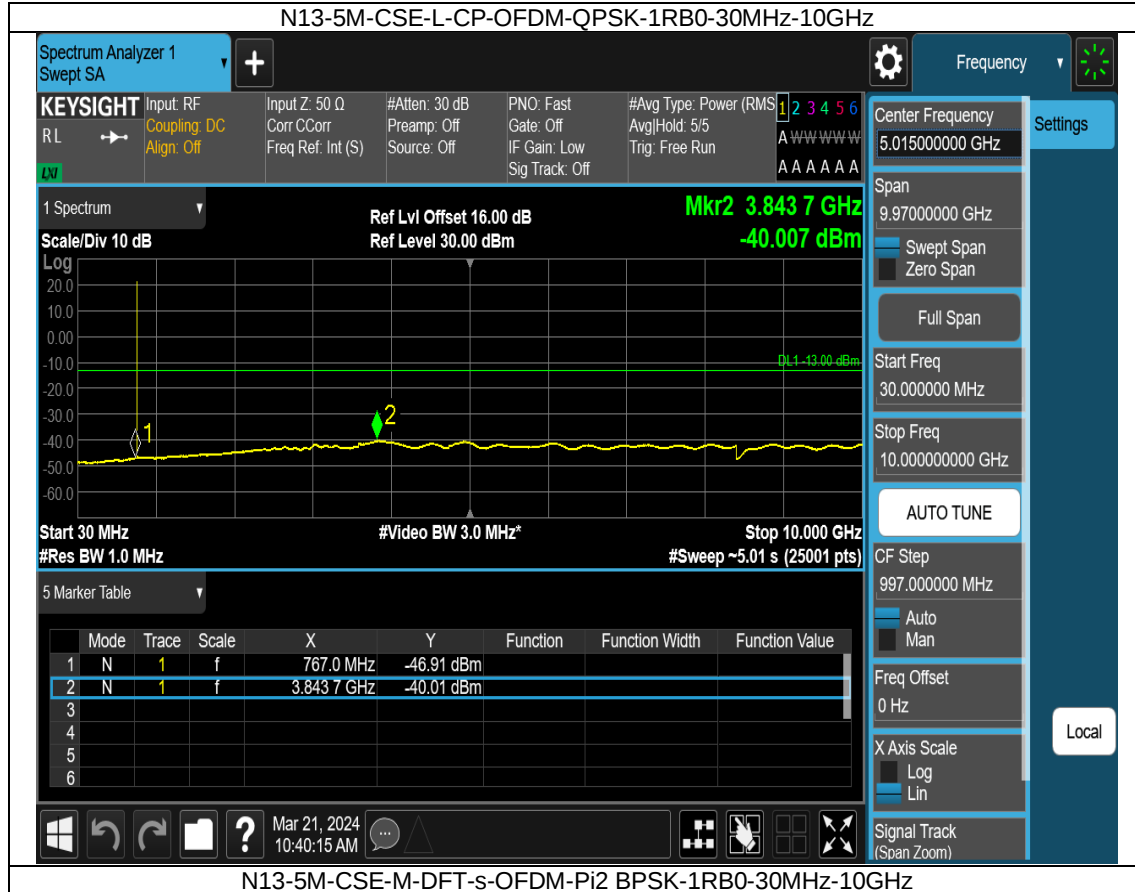


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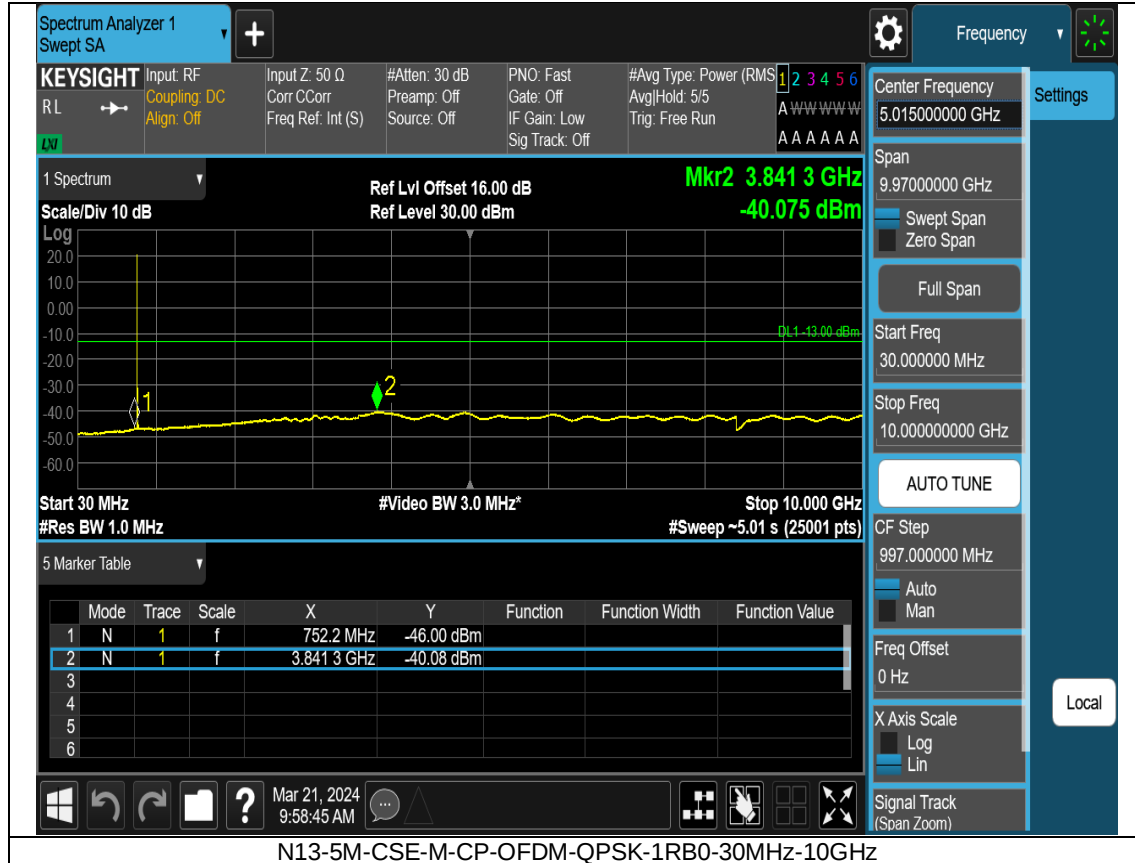


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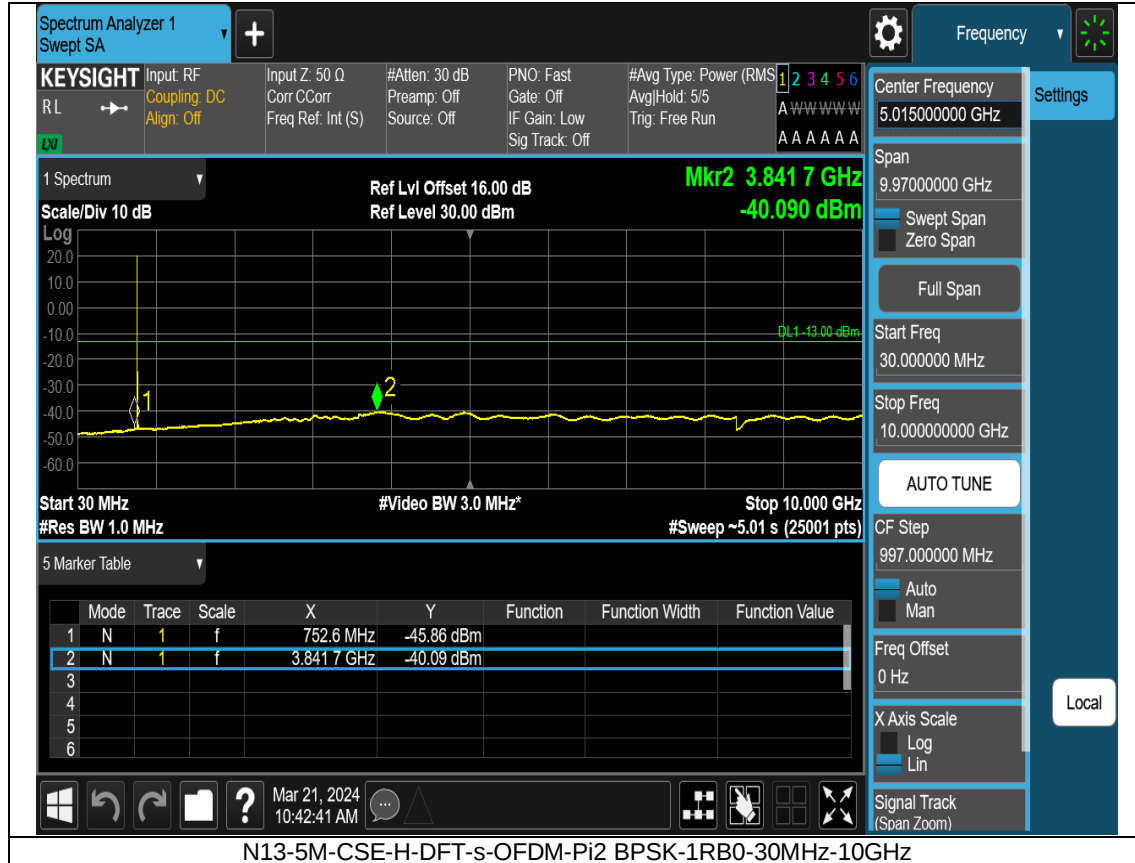


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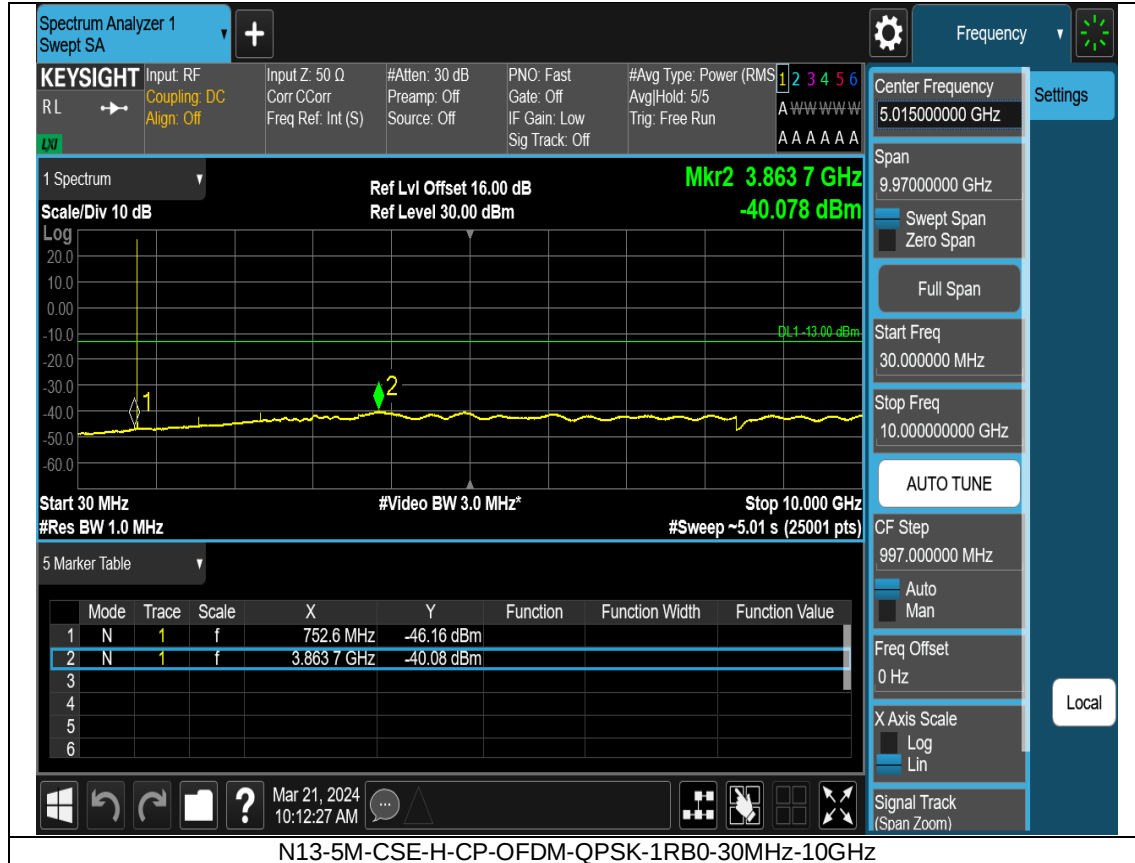


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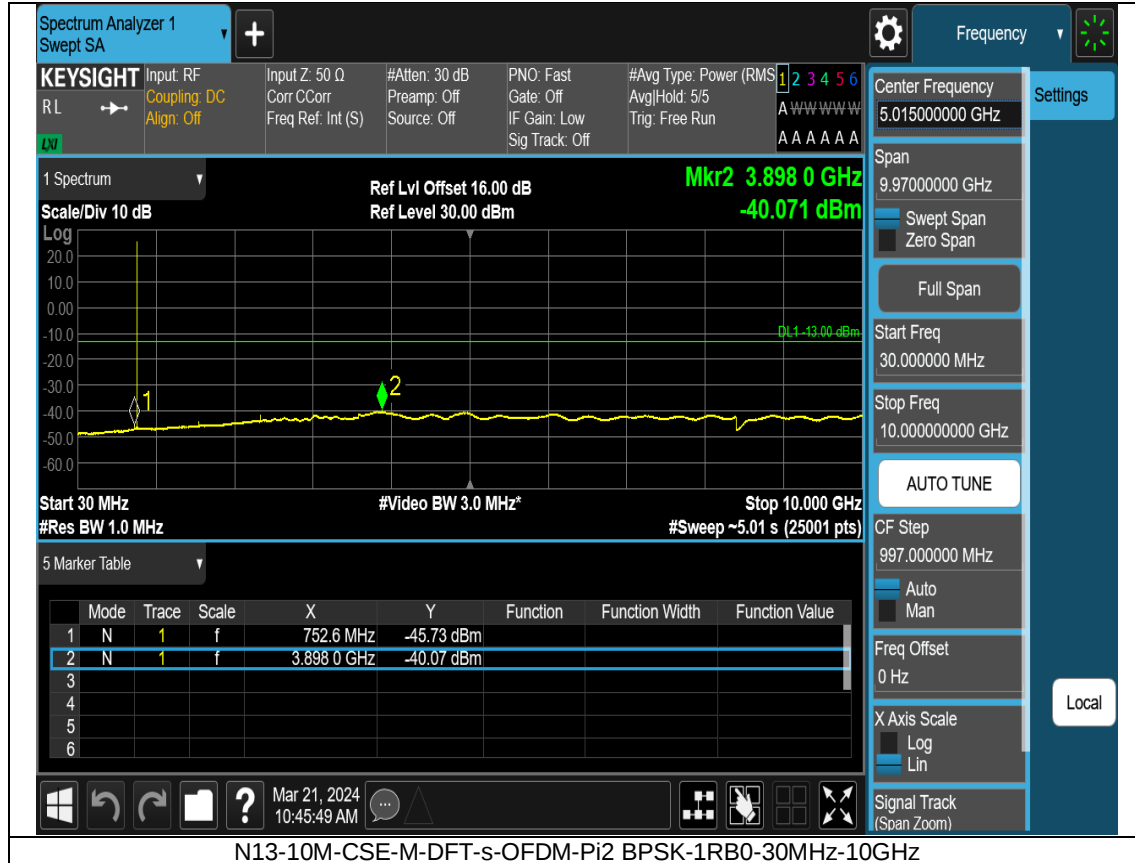


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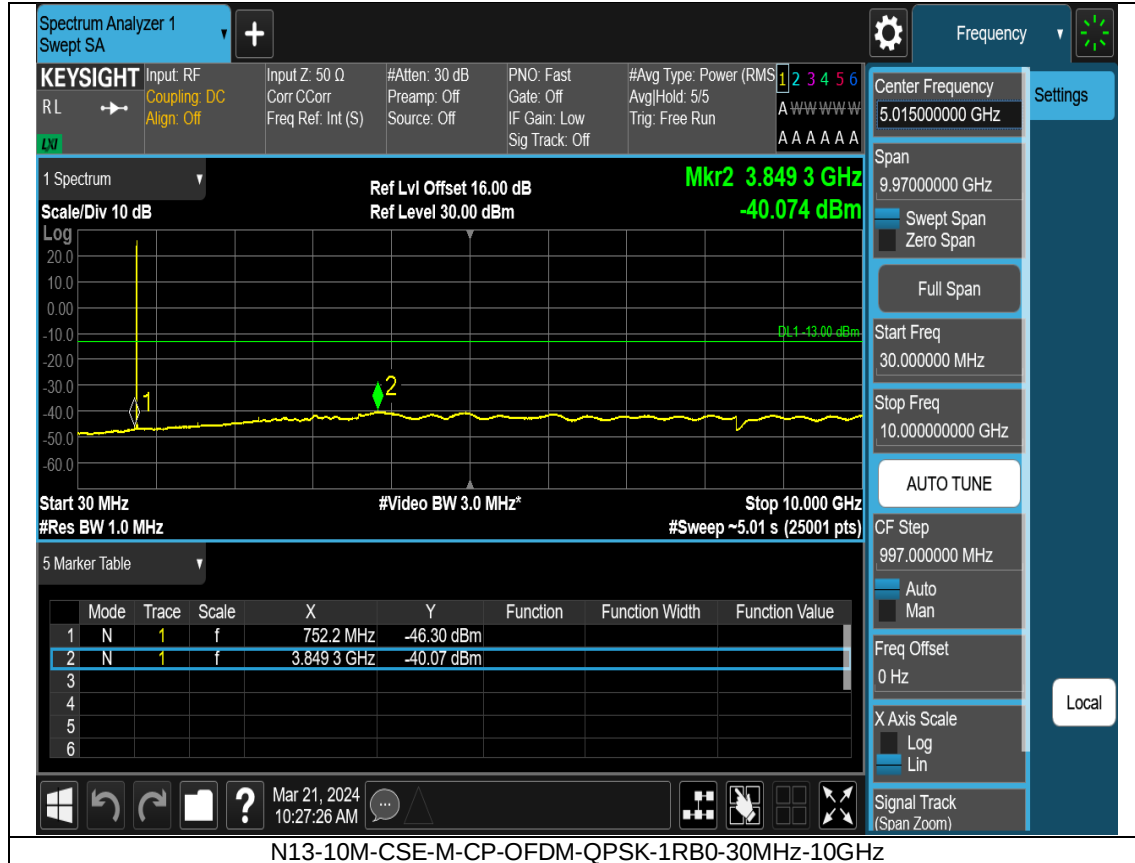


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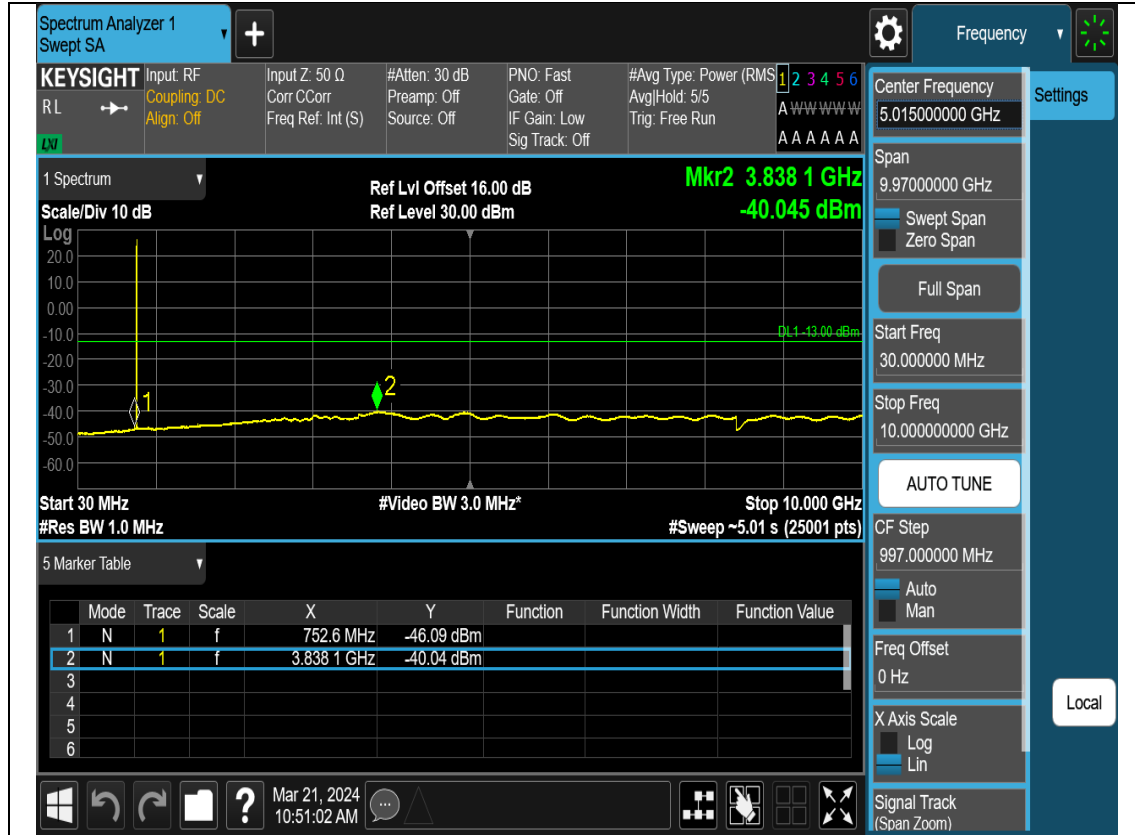


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Effective (Isotropic) Radiated Power Output Data

Bandwidth	Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)	ERP (dBm)	Limit	Verdict	Gain
5MHz	DFT-s-OFDM PI/2 BPSK	779.5MHz	Edge_Full_Left	23.48	23.16	34.77	Pass	1.83
			Edge_Full_Right	23.35	23.03	34.77	Pass	1.83
			Edge_1RB_Left	23.39	23.07	34.77	Pass	1.83
			Edge_1RB_Right	23.28	22.96	34.77	Pass	1.83
			Outer_Full	23.39	23.07	34.77	Pass	1.83
			Inner_Full	23.96	23.64	34.77	Pass	1.83
			Inner_1RB_Left	23.83	23.51	34.77	Pass	1.83
			Inner_1RB_Right	23.76	23.44	34.77	Pass	1.83
	DFT-s-OFDM QPSK		Edge_Full_Left	22.87	22.55	34.77	Pass	1.83
			Edge_Full_Right	22.86	22.54	34.77	Pass	1.83
			Edge_1RB_Left	22.78	22.46	34.77	Pass	1.83
			Edge_1RB_Right	22.69	22.37	34.77	Pass	1.83
			Outer_Full	22.87	22.55	34.77	Pass	1.83
			Inner_Full	23.95	23.63	34.77	Pass	1.83
			Inner_1RB_Left	24.05	23.73	34.77	Pass	1.83
			Inner_1RB_Right	23.94	23.62	34.77	Pass	1.83
	DFT-s-OFDM 16QAM		Edge_Full_Left	21.92	21.6	34.77	Pass	1.83
			Edge_Full_Right	21.74	21.42	34.77	Pass	1.83
			Edge_1RB_Left	21.62	21.3	34.77	Pass	1.83
			Edge_1RB_Right	21.59	21.27	34.77	Pass	1.83
			Outer_Full	22.04	21.72	34.77	Pass	1.83
			Inner_Full	23.12	22.8	34.77	Pass	1.83
			Inner_1RB_Left	22.96	22.64	34.77	Pass	1.83
			Inner_1RB_Right	22.81	22.49	34.77	Pass	1.83
	DFT-s-OFDM 64QAM		Edge_Full_Left	21.65	21.33	34.77	Pass	1.83
			Edge_Full_Right	21.47	21.15	34.77	Pass	1.83
			Edge_1RB_Left	21.75	21.43	34.77	Pass	1.83
			Edge_1RB_Right	21.57	21.25	34.77	Pass	1.83
Outer_Full		21.45	21.13	34.77	Pass	1.83		



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	CP-OFDM QPSK		Inner_Full	21.38	21.06	34.77	Pass	1.83
			Inner_1RB_Left	21.76	21.44	34.77	Pass	1.83
			Inner_1RB_Right	21.66	21.34	34.77	Pass	1.83
			Edge_Full_Left	21.15	20.83	34.77	Pass	1.83
			Edge_Full_Right	21	20.68	34.77	Pass	1.83
			Edge_1RB_Left	20.71	20.39	34.77	Pass	1.83
			Edge_1RB_Right	20.7	20.38	34.77	Pass	1.83
			Outer_Full	20.92	20.6	34.77	Pass	1.83
			Inner_Full	22.38	22.06	34.77	Pass	1.83
			Inner_1RB_Left	22.55	22.23	34.77	Pass	1.83
			Inner_1RB_Right	22.4	22.08	34.77	Pass	1.83
			Edge_Full_Left	20.94	20.62	34.77	Pass	1.83
CP-OFDM 16QAM			Edge_Full_Right	20.89	20.57	34.77	Pass	1.83
			Edge_1RB_Left	20.62	20.3	34.77	Pass	1.83
			Edge_1RB_Right	20.57	20.25	34.77	Pass	1.83
			Outer_Full	20.98	20.66	34.77	Pass	1.83
			Inner_Full	22.01	21.69	34.77	Pass	1.83
			Inner_1RB_Left	22.1	21.78	34.77	Pass	1.83
			Inner_1RB_Right	22	21.68	34.77	Pass	1.83
			Edge_Full_Left	20.34	20.02	34.77	Pass	1.83
			Edge_Full_Right	20.28	19.96	34.77	Pass	1.83
			Edge_1RB_Left	20.21	19.89	34.77	Pass	1.83
			Edge_1RB_Right	20.09	19.77	34.77	Pass	1.83
			Outer_Full	20.48	20.16	34.77	Pass	1.83
CP-OFDM 64QAM			Inner_Full	20.36	20.04	34.77	Pass	1.83
			Inner_1RB_Left	20.29	19.97	34.77	Pass	1.83
			Inner_1RB_Right	20.24	19.92	34.77	Pass	1.83
DFT-s-OFDM PI/2 BPSK	782MHz		Edge_Full_Left	23.38	23.06	34.77	Pass	1.83
			Edge_Full_Right	23.32	23	34.77	Pass	1.83
			Edge_1RB_Left	23.27	22.95	34.77	Pass	1.83
			Edge_1RB_Right	23.25	22.93	34.77	Pass	1.83
			Outer_Full	23.42	23.1	34.77	Pass	1.83
			Inner_Full	23.93	23.61	34.77	Pass	1.83



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DFT-s-OFDM QPSK	Inner_1RB_Left	23.8	23.48	34.77	Pass	1.83
	Inner_1RB_Right	23.7	23.38	34.77	Pass	1.83
	Edge_Full_Left	22.89	22.57	34.77	Pass	1.83
	Edge_Full_Right	22.84	22.52	34.77	Pass	1.83
DFT-s-OFDM 16QAM	Edge_1RB_Left	22.72	22.4	34.77	Pass	1.83
	Edge_1RB_Right	22.69	22.37	34.77	Pass	1.83
	Outer_Full	22.85	22.53	34.77	Pass	1.83
	Inner_Full	23.88	23.56	34.77	Pass	1.83
	Inner_1RB_Left	23.88	23.56	34.77	Pass	1.83
	Inner_1RB_Right	23.92	23.6	34.77	Pass	1.83
	Edge_Full_Left	21.79	21.47	34.77	Pass	1.83
	Edge_Full_Right	21.75	21.43	34.77	Pass	1.83
	Edge_1RB_Left	21.62	21.3	34.77	Pass	1.83
	Edge_1RB_Right	21.6	21.28	34.77	Pass	1.83
	Outer_Full	21.95	21.63	34.77	Pass	1.83
	Inner_Full	23.04	22.72	34.77	Pass	1.83
DFT-s-OFDM 64QAM	Inner_1RB_Left	22.88	22.56	34.77	Pass	1.83
	Inner_1RB_Right	22.78	22.46	34.77	Pass	1.83
	Edge_Full_Left	21.54	21.22	34.77	Pass	1.83
	Edge_Full_Right	21.5	21.18	34.77	Pass	1.83
	Edge_1RB_Left	21.64	21.32	34.77	Pass	1.83
	Edge_1RB_Right	21.55	21.23	34.77	Pass	1.83
	Outer_Full	21.38	21.06	34.77	Pass	1.83
	Inner_Full	21.36	21.04	34.77	Pass	1.83
	Inner_1RB_Left	21.65	21.33	34.77	Pass	1.83
	Inner_1RB_Right	21.61	21.29	34.77	Pass	1.83
	Edge_Full_Left	21.1	20.78	34.77	Pass	1.83
	Edge_Full_Right	20.99	20.67	34.77	Pass	1.83
CP-OFDM QPSK	Edge_1RB_Left	20.68	20.36	34.77	Pass	1.83
	Edge_1RB_Right	20.68	20.36	34.77	Pass	1.83
	Outer_Full	20.81	20.49	34.77	Pass	1.83
	Inner_Full	22.3	21.98	34.77	Pass	1.83
	Inner_1RB_Left	22.44	22.12	34.77	Pass	1.83



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	CP-OFDM 16QAM	784.5MHz	Inner_1RB_Right	22.43	22.11	34.77	Pass	1.83
			Edge_Full_Left	20.87	20.55	34.77	Pass	1.83
			Edge_Full_Right	20.81	20.49	34.77	Pass	1.83
			Edge_1RB_Left	20.57	20.25	34.77	Pass	1.83
			Edge_1RB_Right	20.56	20.24	34.77	Pass	1.83
			Outer_Full	20.81	20.49	34.77	Pass	1.83
			Inner_Full	21.89	21.57	34.77	Pass	1.83
			Inner_1RB_Left	21.98	21.66	34.77	Pass	1.83
			Inner_1RB_Right	21.93	21.61	34.77	Pass	1.83
	CP-OFDM 64QAM		Edge_Full_Left	20.32	20	34.77	Pass	1.83
			Edge_Full_Right	20.24	19.92	34.77	Pass	1.83
			Edge_1RB_Left	20.28	19.96	34.77	Pass	1.83
			Edge_1RB_Right	20.11	19.79	34.77	Pass	1.83
			Outer_Full	20.52	20.2	34.77	Pass	1.83
			Inner_Full	20.26	19.94	34.77	Pass	1.83
			Inner_1RB_Left	20.23	19.91	34.77	Pass	1.83
			Inner_1RB_Right	20.22	19.9	34.77	Pass	1.83
			DFT-s-OFDM PI/2 BPSK	Edge_Full_Left	23.43	23.11	34.77	Pass
	Edge_Full_Right			23.28	22.96	34.77	Pass	1.83
	Edge_1RB_Left			23.28	22.96	34.77	Pass	1.83
	Edge_1RB_Right			23.2	22.88	34.77	Pass	1.83
	Outer_Full			23.39	23.07	34.77	Pass	1.83
	Inner_Full			23.84	23.52	34.77	Pass	1.83
	Inner_1RB_Left			23.76	23.44	34.77	Pass	1.83
	Inner_1RB_Right			23.71	23.39	34.77	Pass	1.83
	DFT-s-OFDM QPSK			Edge_Full_Left	22.82	22.5	34.77	Pass
			Edge_Full_Right	22.75	22.43	34.77	Pass	1.83
			Edge_1RB_Left	22.71	22.39	34.77	Pass	1.83
			Edge_1RB_Right	22.56	22.24	34.77	Pass	1.83
			Outer_Full	22.9	22.58	34.77	Pass	1.83
			Inner_Full	23.91	23.59	34.77	Pass	1.83
			Inner_1RB_Left	23.89	23.57	34.77	Pass	1.83
			Inner_1RB_Right	23.77	23.45	34.77	Pass	1.83



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DFT-s-OFDM 16QAM	Edge_Full_Left	21.72	21.4	34.77	Pass	1.83
	Edge_Full_Right	21.67	21.35	34.77	Pass	1.83
	Edge_1RB_Left	21.6	21.28	34.77	Pass	1.83
	Edge_1RB_Right	21.56	21.24	34.77	Pass	1.83
DFT-s-OFDM 64QAM	Outer_Full	21.92	21.6	34.77	Pass	1.83
	Inner_Full	23.03	22.71	34.77	Pass	1.83
	Inner_1RB_Left	22.85	22.53	34.77	Pass	1.83
	Inner_1RB_Right	22.8	22.48	34.77	Pass	1.83
	Edge_Full_Left	21.47	21.15	34.77	Pass	1.83
	Edge_Full_Right	21.42	21.1	34.77	Pass	1.83
	Edge_1RB_Left	21.64	21.32	34.77	Pass	1.83
	Edge_1RB_Right	21.52	21.2	34.77	Pass	1.83
CP-OFDM QPSK	Outer_Full	21.37	21.05	34.77	Pass	1.83
	Inner_Full	21.35	21.03	34.77	Pass	1.83
	Inner_1RB_Left	21.61	21.29	34.77	Pass	1.83
	Inner_1RB_Right	21.52	21.2	34.77	Pass	1.83
	Edge_Full_Left	20.73	20.41	34.77	Pass	1.83
	Edge_Full_Right	20.66	20.34	34.77	Pass	1.83
	Edge_1RB_Left	20.87	20.55	34.77	Pass	1.83
	Edge_1RB_Right	20.87	20.55	34.77	Pass	1.83
CP-OFDM 16QAM	Outer_Full	20.91	20.59	34.77	Pass	1.83
	Inner_Full	22.33	22.01	34.77	Pass	1.83
	Inner_1RB_Left	22.62	22.3	34.77	Pass	1.83
	Inner_1RB_Right	22.57	22.25	34.77	Pass	1.83
	Edge_Full_Left	20.65	20.33	34.77	Pass	1.83
	Edge_Full_Right	20.73	20.41	34.77	Pass	1.83
	Edge_1RB_Left	20.84	20.52	34.77	Pass	1.83
	Edge_1RB_Right	20.77	20.45	34.77	Pass	1.83
CP-OFDM 64QAM	Outer_Full	20.83	20.51	34.77	Pass	1.83
	Inner_Full	21.96	21.64	34.77	Pass	1.83
	Inner_1RB_Left	21.97	21.65	34.77	Pass	1.83
	Inner_1RB_Right	21.78	21.46	34.77	Pass	1.83
	Edge_Full_Left	20.44	20.12	34.77	Pass	1.83



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			Edge_Full_Right	20.36	20.04	34.77	Pass	1.83
			Edge_1RB_Left	20.22	19.9	34.77	Pass	1.83
			Edge_1RB_Right	20.17	19.85	34.77	Pass	1.83
			Outer_Full	20.47	20.15	34.77	Pass	1.83
			Inner_Full	20.25	19.93	34.77	Pass	1.83
			Inner_1RB_Left	20.17	19.85	34.77	Pass	1.83
			Inner_1RB_Right	20.13	19.81	34.77	Pass	1.83
10MHz	DFT-s-OFDM PI/2 BPSK	782MHz	Edge_Full_Left	-85.84	-86.16	34.77	Pass	1.83
			Edge_Full_Right	23.3	22.98	34.77	Pass	1.83
			Edge_1RB_Left	23.41	23.09	34.77	Pass	1.83
			Edge_1RB_Right	23.22	22.9	34.77	Pass	1.83
			Outer_Full	23.67	23.35	34.77	Pass	1.83
			Inner_Full	24	23.68	34.77	Pass	1.83
			Inner_1RB_Left	23.84	23.52	34.77	Pass	1.83
			Inner_1RB_Right	23.77	23.45	34.77	Pass	1.83
	DFT-s-OFDM QPSK		Edge_Full_Left	22.85	22.53	34.77	Pass	1.83
			Edge_Full_Right	22.78	22.46	34.77	Pass	1.83
			Edge_1RB_Left	22.85	22.53	34.77	Pass	1.83
			Edge_1RB_Right	22.69	22.37	34.77	Pass	1.83
			Outer_Full	23.16	22.84	34.77	Pass	1.83
			Inner_Full	23.96	23.64	34.77	Pass	1.83
			Inner_1RB_Left	23.86	23.54	34.77	Pass	1.83
			Inner_1RB_Right	23.75	23.43	34.77	Pass	1.83
	DFT-s-OFDM 16QAM		Edge_Full_Left	21.97	21.65	34.77	Pass	1.83
			Edge_Full_Right	21.9	21.58	34.77	Pass	1.83
			Edge_1RB_Left	21.99	21.67	34.77	Pass	1.83
			Edge_1RB_Right	21.76	21.44	34.77	Pass	1.83
			Outer_Full	22.11	21.79	34.77	Pass	1.83
			Inner_Full	23.05	22.73	34.77	Pass	1.83
			Inner_1RB_Left	22.93	22.61	34.77	Pass	1.83
			Inner_1RB_Right	22.78	22.46	34.77	Pass	1.83
	DFT-s-OFDM 64QAM		Edge_Full_Left	21.63	21.31	34.77	Pass	1.83
			Edge_Full_Right	21.54	21.22	34.77	Pass	1.83



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		Edge_1RB_Left	21.45	21.13	34.77	Pass	1.83
		Edge_1RB_Right	21.31	20.99	34.77	Pass	1.83
		Outer_Full	21.64	21.32	34.77	Pass	1.83
CP-OFDM QPSK		Inner_Full	21.56	21.24	34.77	Pass	1.83
		Inner_1RB_Left	21.45	21.13	34.77	Pass	1.83
		Inner_1RB_Right	21.35	21.03	34.77	Pass	1.83
		Edge_Full_Left	20.76	20.44	34.77	Pass	1.83
		Edge_Full_Right	20.84	20.52	34.77	Pass	1.83
		Edge_1RB_Left	21.19	20.87	34.77	Pass	1.83
		Edge_1RB_Right	21.16	20.84	34.77	Pass	1.83
		Outer_Full	21.15	20.83	34.77	Pass	1.83
		Inner_Full	22.52	22.2	34.77	Pass	1.83
		Inner_1RB_Left	22.7	22.38	34.77	Pass	1.83
		Inner_1RB_Right	22.64	22.32	34.77	Pass	1.83
		Edge_Full_Left	20.9	20.58	34.77	Pass	1.83
CP-OFDM 16QAM		Edge_Full_Right	20.83	20.51	34.77	Pass	1.83
		Edge_1RB_Left	21.05	20.73	34.77	Pass	1.83
		Edge_1RB_Right	20.87	20.55	34.77	Pass	1.83
		Outer_Full	21.11	20.79	34.77	Pass	1.83
		Inner_Full	21.99	21.67	34.77	Pass	1.83
		Inner_1RB_Left	22.04	21.72	34.77	Pass	1.83
		Inner_1RB_Right	21.97	21.65	34.77	Pass	1.83
		Edge_Full_Left	20.56	20.24	34.77	Pass	1.83
		Edge_Full_Right	20.37	20.05	34.77	Pass	1.83
		Edge_1RB_Left	20.32	20	34.77	Pass	1.83
		Edge_1RB_Right	20.26	19.94	34.77	Pass	1.83
		Outer_Full	20.81	20.49	34.77	Pass	1.83
CP-OFDM 64QAM		Inner_Full	20.58	20.26	34.77	Pass	1.83
		Inner_1RB_Left	20.36	20.04	34.77	Pass	1.83
		Inner_1RB_Right	20.26	19.94	34.77	Pass	1.83



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Frequency Stability

Bandwidth	Modulation	Frequency(MHz)	RB Allocation	Temp. (°C)	Volt.	Freq. Error (Hz)	Result (ppm)	Verdict
5MHz	DFT-s-OFDM PI/2 BPSK	782	Outer_Full	20	LV	-4.8	-0.0026	Pass
					HV	5.8	0.0031	Pass
				-30	NV	8.99	0.0048	Pass
				-20	NV	8.24	0.0044	Pass
				-10	NV	2	0.0011	Pass
				0	NV	-2.41	-0.0013	Pass
				10	NV	-6.27	-0.0033	Pass
				20	NV	-3.93	-0.0021	Pass
				30	NV	-3.23	-0.0017	Pass
				40	NV	-2.7	-0.0014	Pass
	50			NV	-3.05	-0.0016	Pass	
	CP-OFDM QPSK			20	LV	-3.69	-0.0020	Pass
					HV	7.16	0.0038	Pass
				-30	NV	-3.45	-0.0018	Pass
				-20	NV	8.95	0.0048	Pass
				-10	NV	-4.46	-0.0024	Pass
				0	NV	-8.9	-0.0047	Pass
				10	NV	-4.73	-0.0025	Pass
				20	NV	-3.53	-0.0019	Pass
				30	NV	3.73	0.0020	Pass
40		NV	7.74	0.0041	Pass			
50	NV	8.39	0.0045	Pass				
10MHz	DFT-s-OFDM PI/2 BPSK	782	Outer_Full	20	LV	-4.05	-0.0022	Pass
					HV	-4.44	-0.0024	Pass
				-30	NV	5.4	0.0029	Pass
				-20	NV	4.68	0.0025	Pass
				-10	NV	-9.05	-0.0048	Pass
				0	NV	2.23	0.0012	Pass
				10	NV	-4.38	-0.0023	Pass



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CP-OFDM QPSK	20	NV	2.49	0.0013	Pass
	30	NV	6.32	0.0034	Pass
	40	NV	5.61	0.0030	Pass
	50	NV	-2.97	-0.0016	Pass
	20	LV	5.54	0.0029	Pass
		HV	9.88	0.0053	Pass
	-30	NV	2.81	0.0015	Pass
	-20	NV	4.1	0.0022	Pass
	-10	NV	-2.95	-0.0016	Pass
	0	NV	-2.15	-0.0011	Pass
	10	NV	9.84	0.0052	Pass
	20	NV	5.25	0.0028	Pass
	30	NV	-5.49	-0.0029	Pass
	40	NV	2.06	0.0011	Pass
	50	NV	-6.75	-0.0036	Pass



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Field Strength of Spurious Radiation

NR Band 13-Low channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1554.5	-66.04	-13	-53.04	-69.925	2	5.88	Horizontal	Pass
2331.75	-63.99	-13	-50.99	-64.11	2.35	4.62	Horizontal	Pass
3109	-57.44	-13	-44.44	-59.25	2.96	6.92	Horizontal	Pass
1554.5	-65.62	-13	-52.62	-67.355	2	5.88	Vertical	Pass
2331.75	-62.72	-13	-49.72	-62.84	2.35	4.62	Vertical	Pass
3109	-56.44	-13	-43.44	-58.25	2.96	6.92	Vertical	Pass

NR Band 13-Middle channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1559.5	-65.96	-40	-25.96	-69.845	2	5.88	Horizontal	Pass
2339.25	-64.26	-13	-51.26	-64.38	2.35	4.62	Horizontal	Pass
3119	-57.67	-13	-44.67	-59.48	2.96	6.92	Horizontal	Pass
1559.5	-66	-40	-26	-67.735	2	5.88	Vertical	Pass
2339.25	-64.32	-13	-51.32	-64.44	2.35	4.62	Vertical	Pass
3119	-57.76	-13	-44.76	-59.57	2.96	6.92	Vertical	Pass

NR Band 13-High channel, Modulation: QPSK, Bandwidth:5MHz, 1RB#0

Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1564.5	-65.26	-40	-25.26	-69.145	2	5.88	Horizontal	Pass
2346.75	-64.53	-13	-51.53	-64.65	2.35	4.62	Horizontal	Pass
3129	-56.32	-13	-43.32	-58.13	2.96	6.92	Horizontal	Pass
1564.5	-66.7	-40	-26.7	-68.435	2	5.88	Vertical	Pass
2346.75	-63.52	-13	-50.52	-63.64	2.35	4.62	Vertical	Pass
3129	-57.89	-13	-44.89	-59.7	2.96	6.92	Vertical	Pass



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NR Band 13-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1555	-65.59	-13	-52.59	-69.475	2	5.88	Horizontal	Pass
2332.5	-63.58	-13	-50.58	-63.7	2.35	4.62	Horizontal	Pass
3110	-55.99	-13	-42.99	-57.8	2.96	6.92	Horizontal	Pass
1555	-65.96	-13	-52.96	-67.695	2	5.88	Vertical	Pass
2332.5	-64.32	-13	-51.32	-64.44	2.35	4.62	Vertical	Pass
3110	-57.27	-13	-44.27	-59.08	2.96	6.92	Vertical	Pass

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