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Appendix B.29

NR Band n30



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99% & 26dB Bandwidth

Test Result

5G NR N30 SCS=15kHz 5MHz						
Modulation	Mid CH	RB Allocation	99% Bandwidth (MHz)	26dB Bandwidth (MHz)	Limit (MHz)	Verdict
DFT-s-OFDM PI/2 BPSK		Outer_Full	4.553	5.267	/	Pass
CP-OFDM QPSK		Outer_Full	4.547	5.309	/	Pass

5G NR N30 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	8.995	9.887	/	Pass
CP-OFDM QPSK		Outer_Full	8.949	9.716	/	Pass



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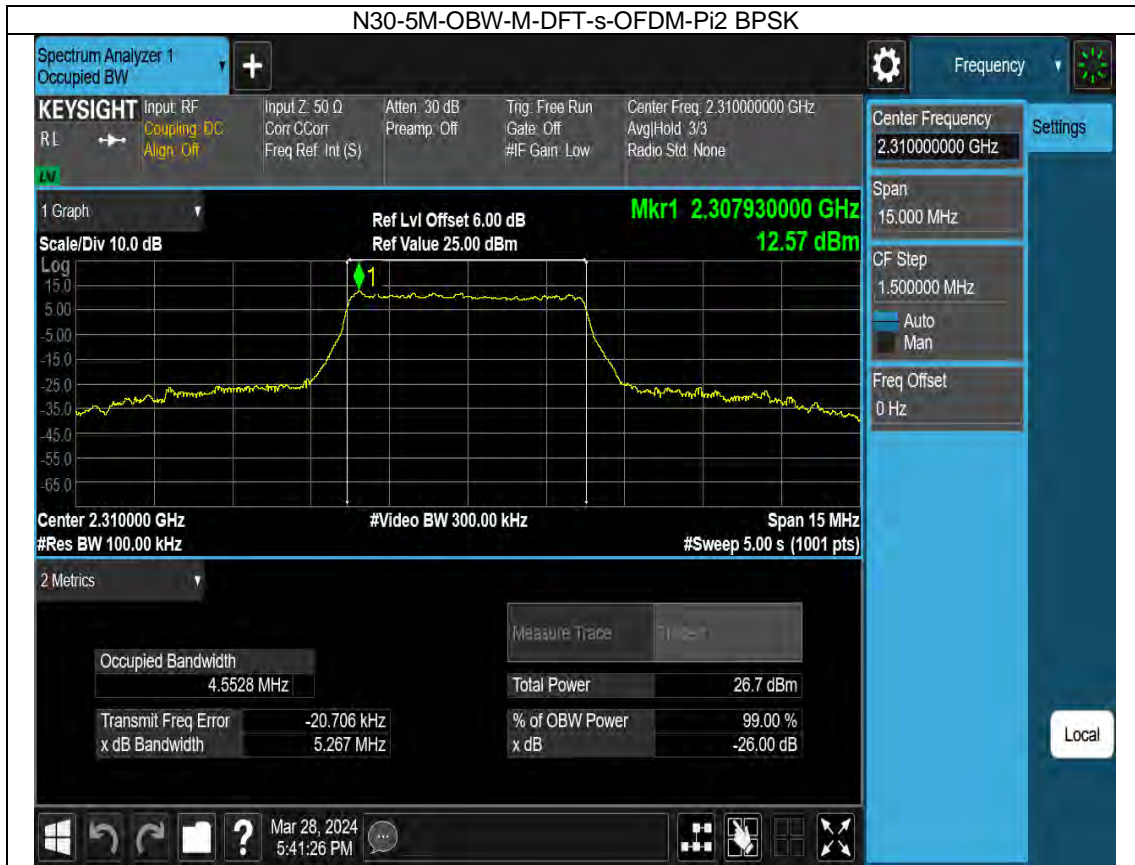
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Test Graph



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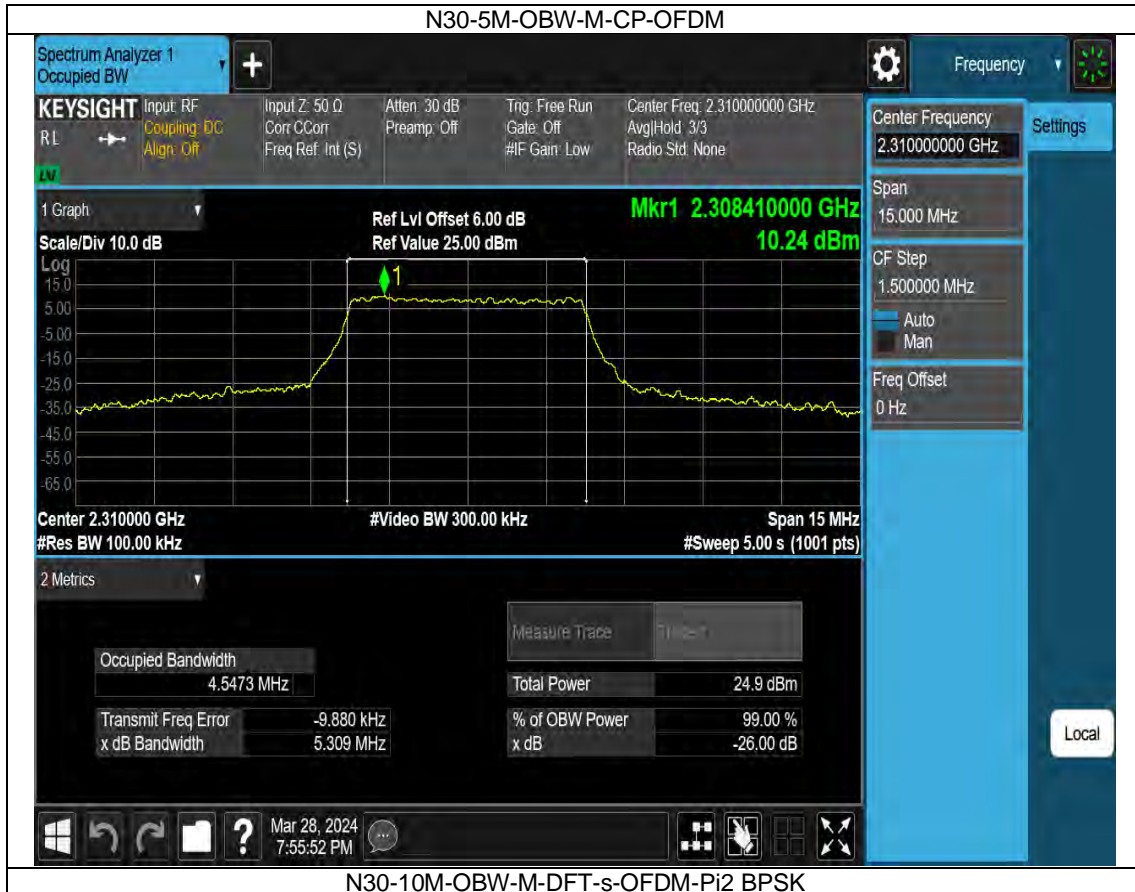


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Power spectral density

Test Result

5G NR N30 SCS=15kHz 5MHz					
Modulation		RB Allocation	Power spectral density (dBm)	Limit/5MHz (dBm)	Verdict
DFT-s-OFDM PI/2 BPSK	Low CH	1RB0	20.744	23.98	Pass
DFT-s-OFDM QPSK		1RB0	20.213	23.98	Pass
DFT-s-OFDM 16QAM		1RB0	19.343	23.98	Pass
DFT-s-OFDM 64QAM		1RB0	18.728	23.98	Pass
CP-OFDM QPSK		1RB0	16.459	23.98	Pass
CP-OFDM 16QAM		1RB0	16.926	23.98	Pass
CP-OFDM 64QAM		1RB0	16.708	23.98	Pass
DFT-s-OFDM PI/2 BPSK	Midd CH	1RB0	20.679	23.98	Pass
DFT-s-OFDM QPSK		1RB0	20.187	23.98	Pass
DFT-s-OFDM 16QAM		1RB0	19.297	23.98	Pass
DFT-s-OFDM 64QAM		1RB0	18.675	23.98	Pass
CP-OFDM QPSK		1RB0	19.039	23.98	Pass
CP-OFDM 16QAM		1RB0	17.803	23.98	Pass
CP-OFDM 64QAM		1RB0	17.092	23.98	Pass
DFT-s-OFDM PI/2 BPSK	High CH	1RB0	20.924	23.98	Pass
DFT-s-OFDM QPSK		1RB0	20.368	23.98	Pass
DFT-s-OFDM 16QAM		1RB0	19.266	23.98	Pass
DFT-s-OFDM 64QAM		1RB0	18.964	23.98	Pass
CP-OFDM QPSK		1RB0	17.951	23.98	Pass
CP-OFDM 16QAM		1RB0	17.017	23.98	Pass
CP-OFDM 64QAM		1RB0	16.601	23.98	Pass

5G NR N30 SCS=15kHz 10MHz					
Modulation		RB Allocation	Power spectral density (dBm)	Limit/5MHz (dBm)	Verdict
DFT-s-OFDM PI/2 BPSK	Midd CH	1RB0	20.156	23.98	Pass
DFT-s-OFDM QPSK		1RB0	18.437	23.98	Pass
DFT-s-OFDM 16QAM		1RB0	17.701	23.98	Pass



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DFT-s-OFDM 64QAM	1RB0	16.863	23.98	Pass
CP-OFDM QPSK	1RB0	18.631	23.98	Pass
CP-OFDM 16QAM	1RB0	17.635	23.98	Pass
CP-OFDM 64QAM	1RB0	17.397	23.98	Pass

Test Graph

N30-5M-PSD-L-DFT-s-OFDM-Pi2 BPSK-1RB0



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N30-5M-PSD-L-DFT-s-OFDM-64QAM-1RB0



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N30-5M-PSD-L-CP-OFDM-64QAM-1RB0



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Peak-Average Ratio

Test Result

5G NR N30 SCS=15kHz 5MHz					
Modulation	Mid CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK		Outer_Full	6.33	<=13	Pass
CP-OFDM QPSK		Outer_Full	7.03	<=13	Pass

5G NR N30 SCS=15kHz 10MHz					
Modulation	Mid CH	RB Allocation	Peak-Average Ratio (dB)	Limit	Verdict
DFT-s-OFDM PI/2 BPSK		Outer_Full	4.08	<=13	Pass
CP-OFDM QPSK		Outer_Full	4.62	<=13	Pass



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Test Graph



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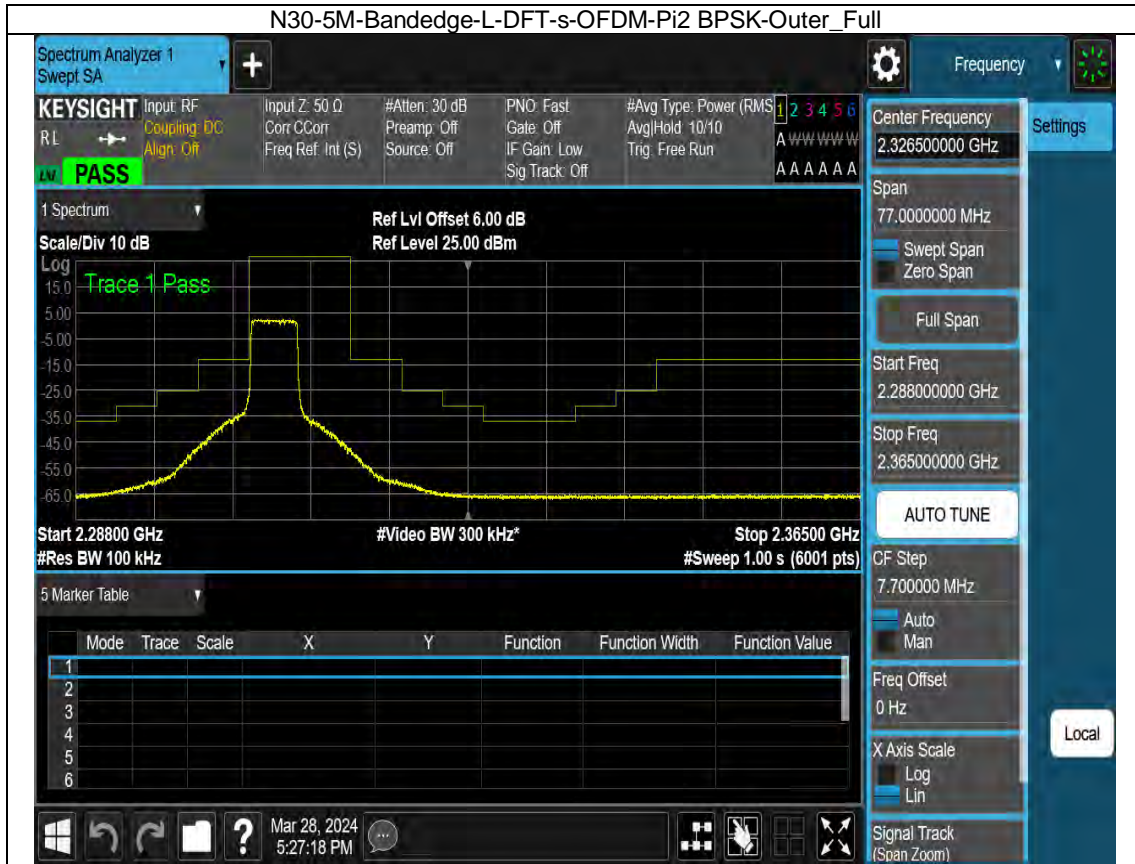
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Bandedge

test graph



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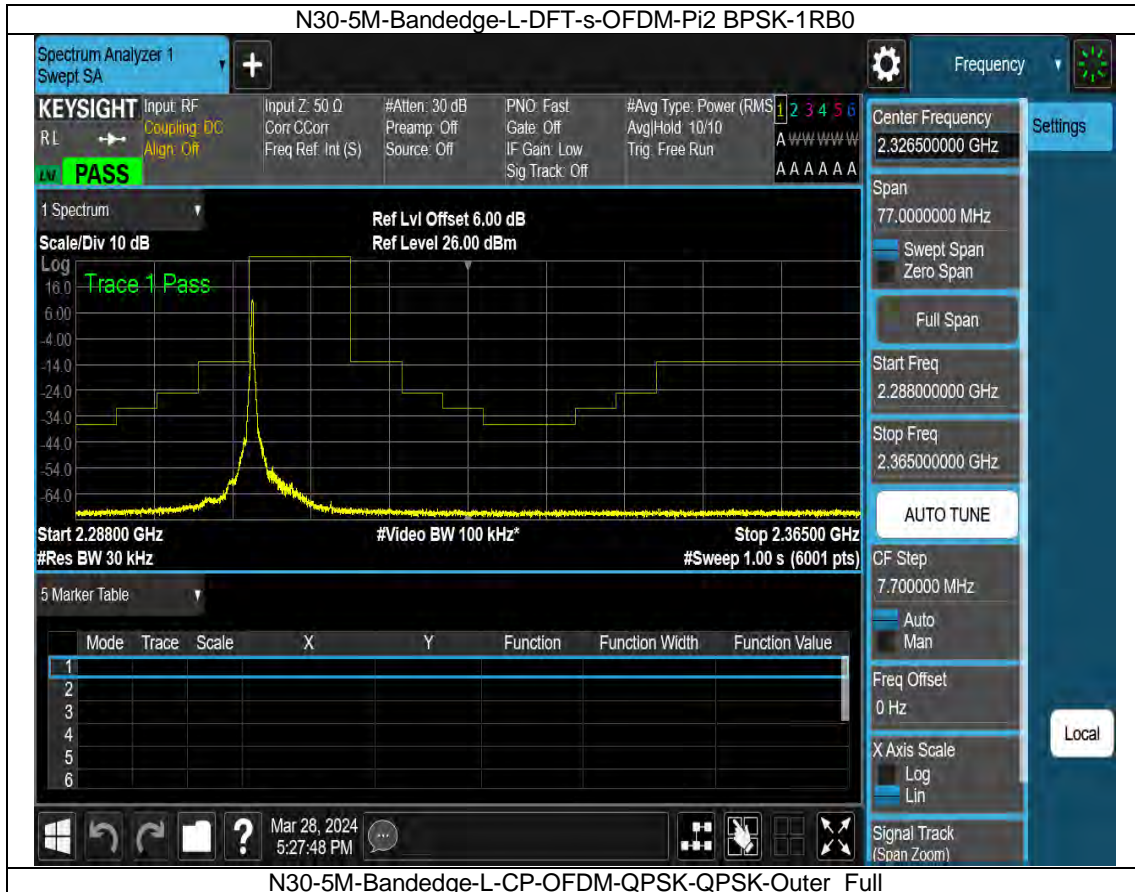


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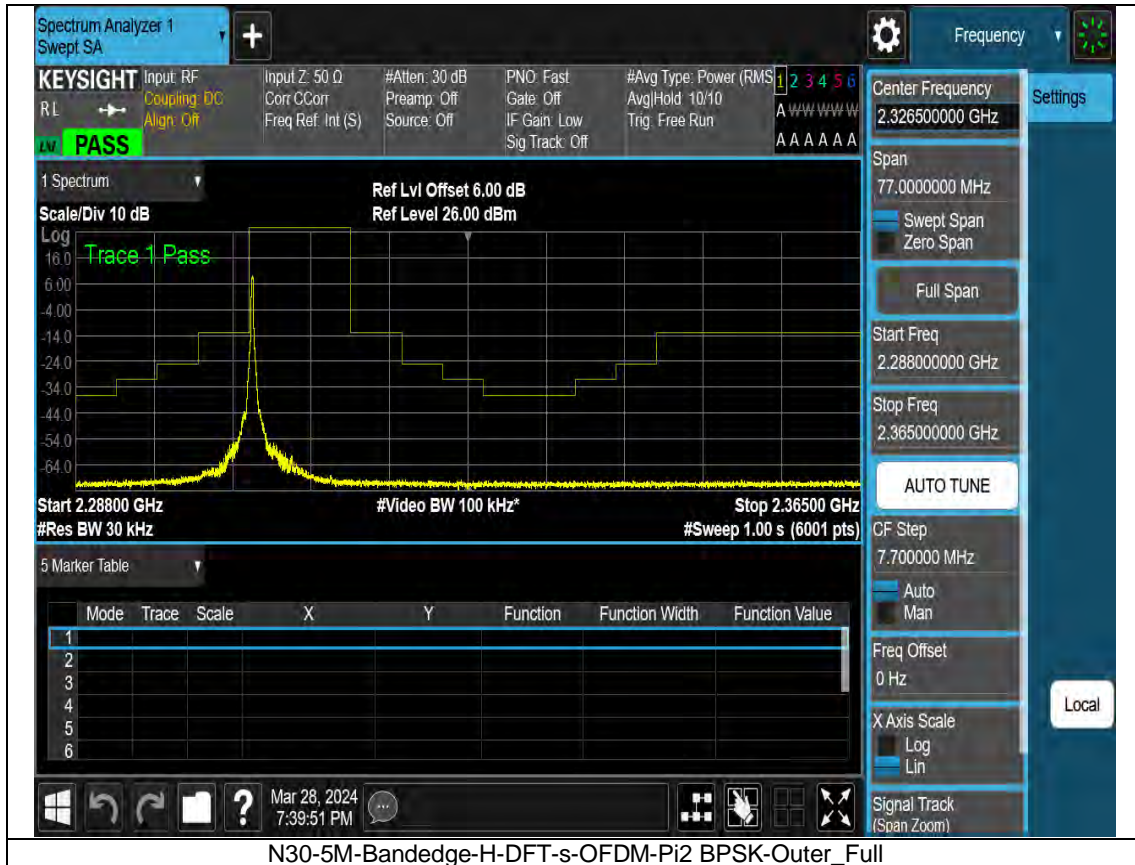


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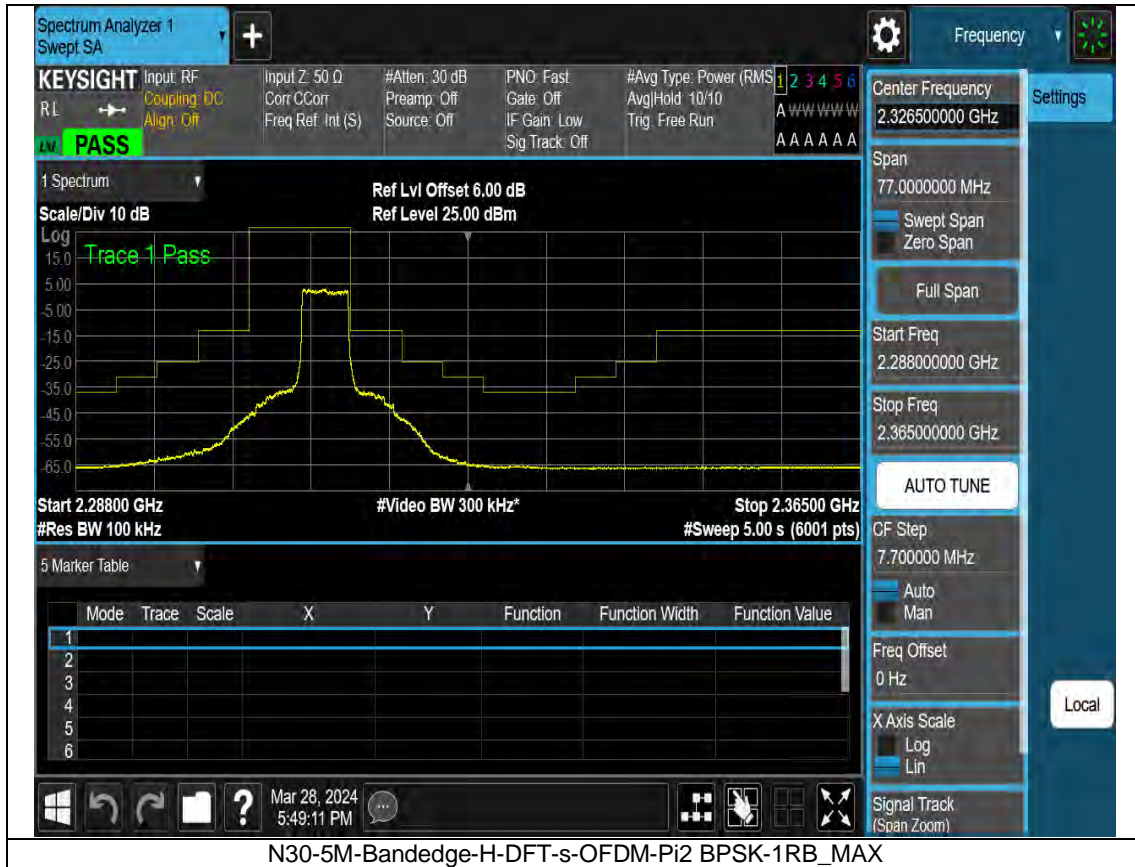


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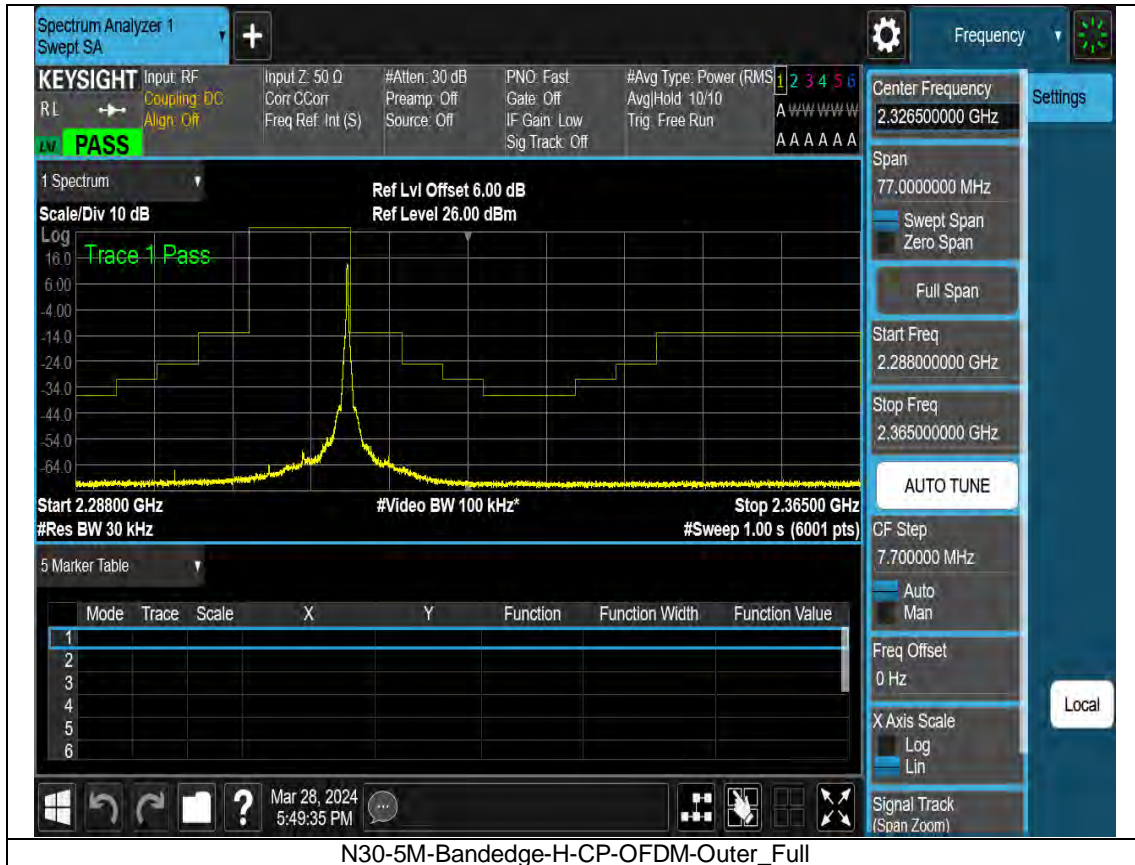


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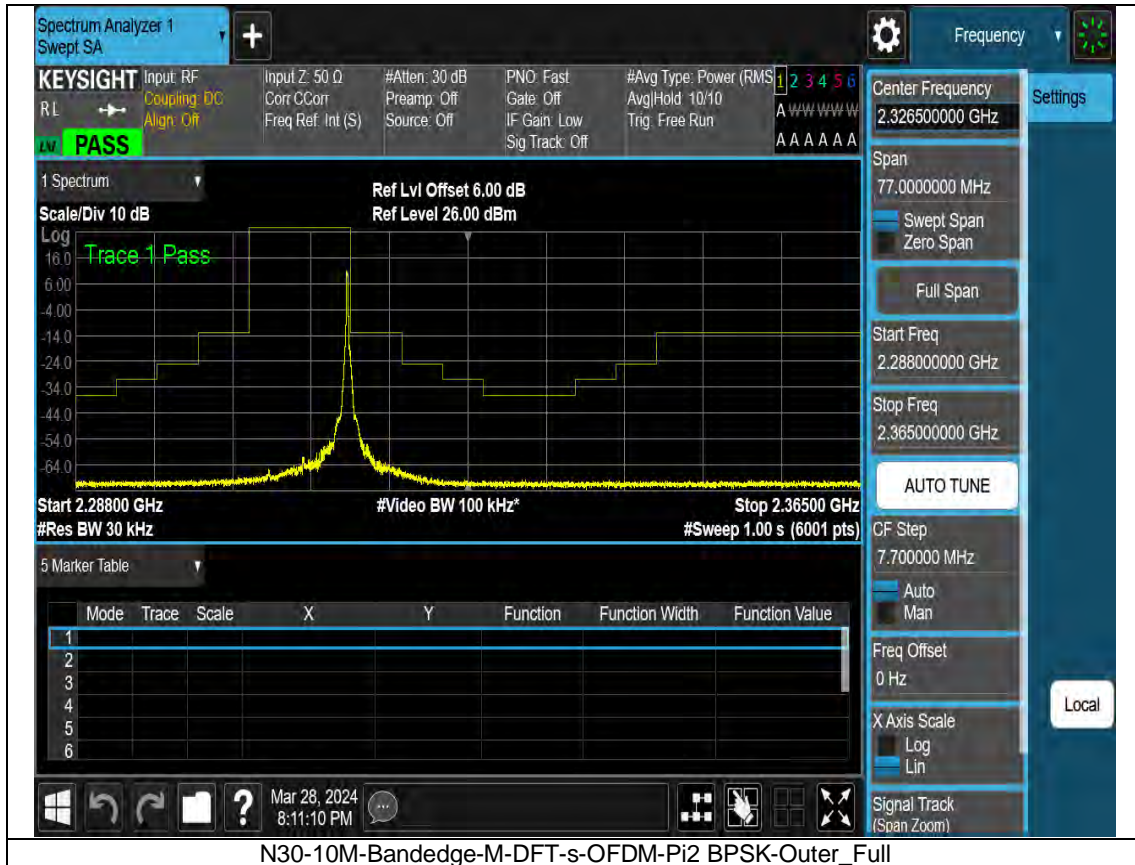


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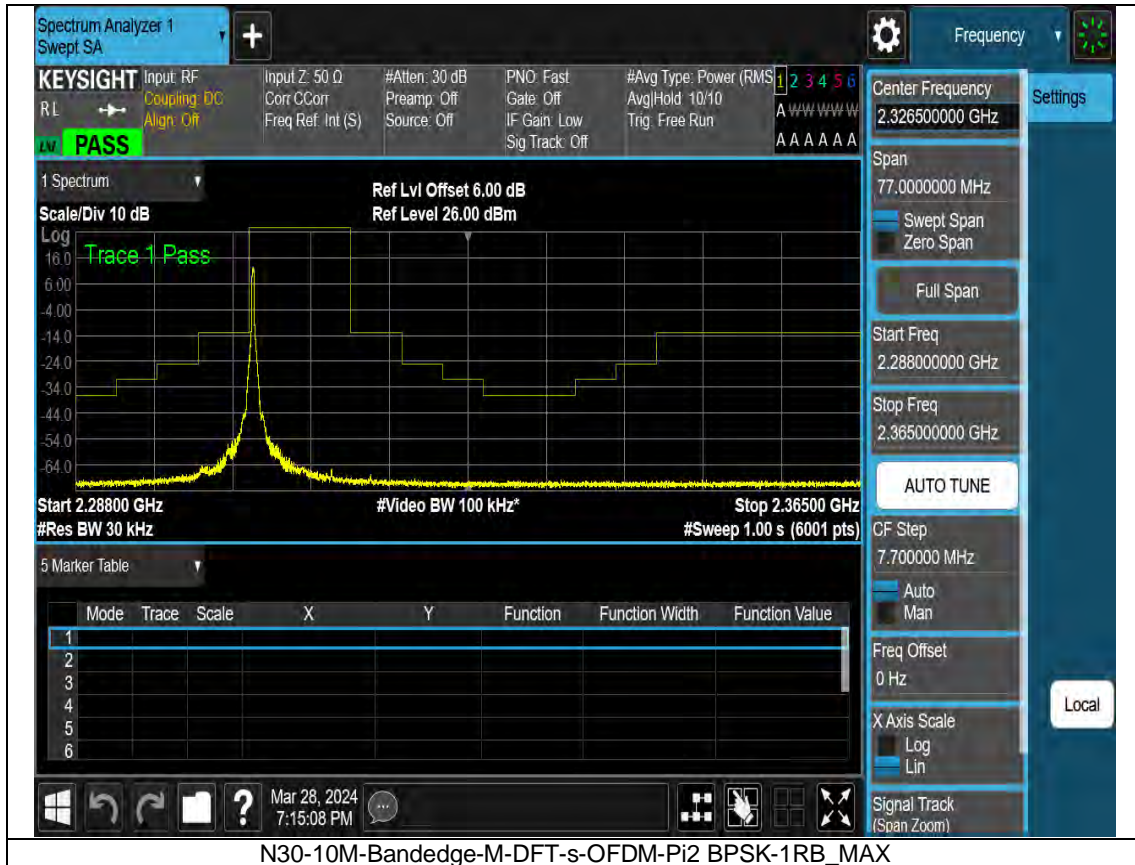


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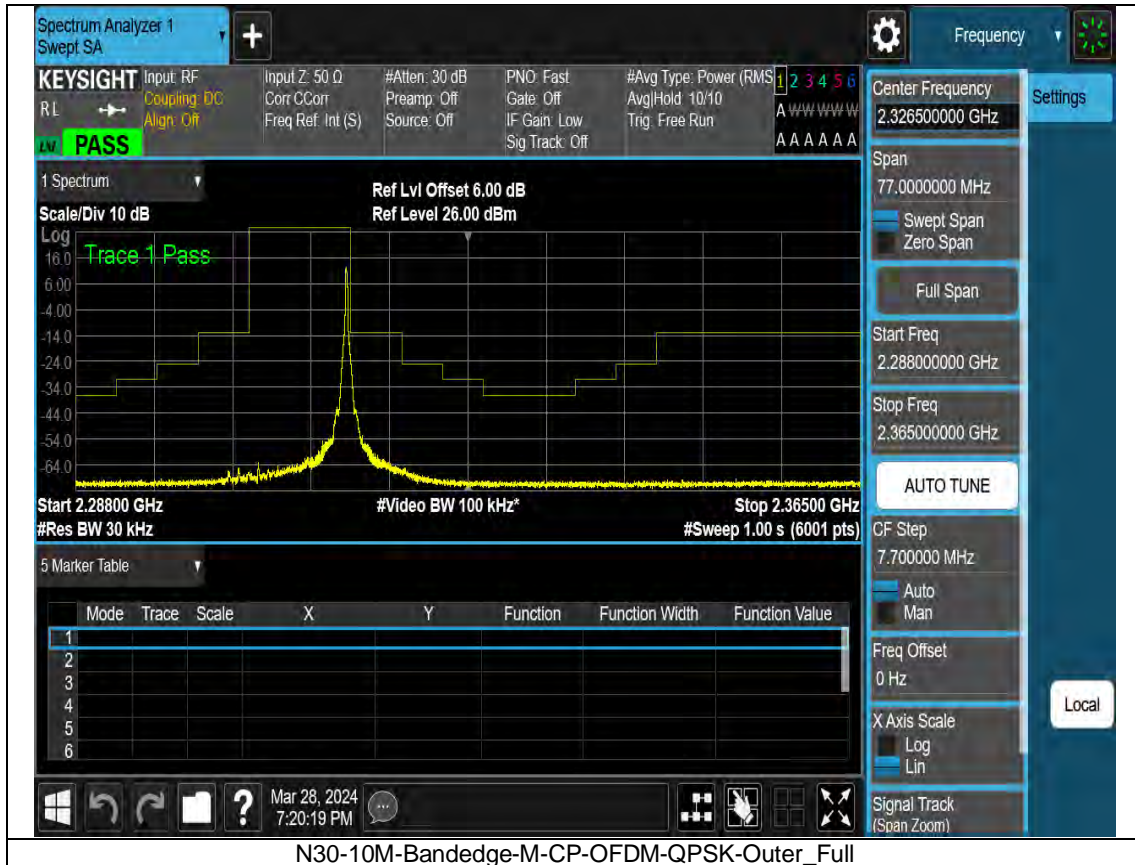


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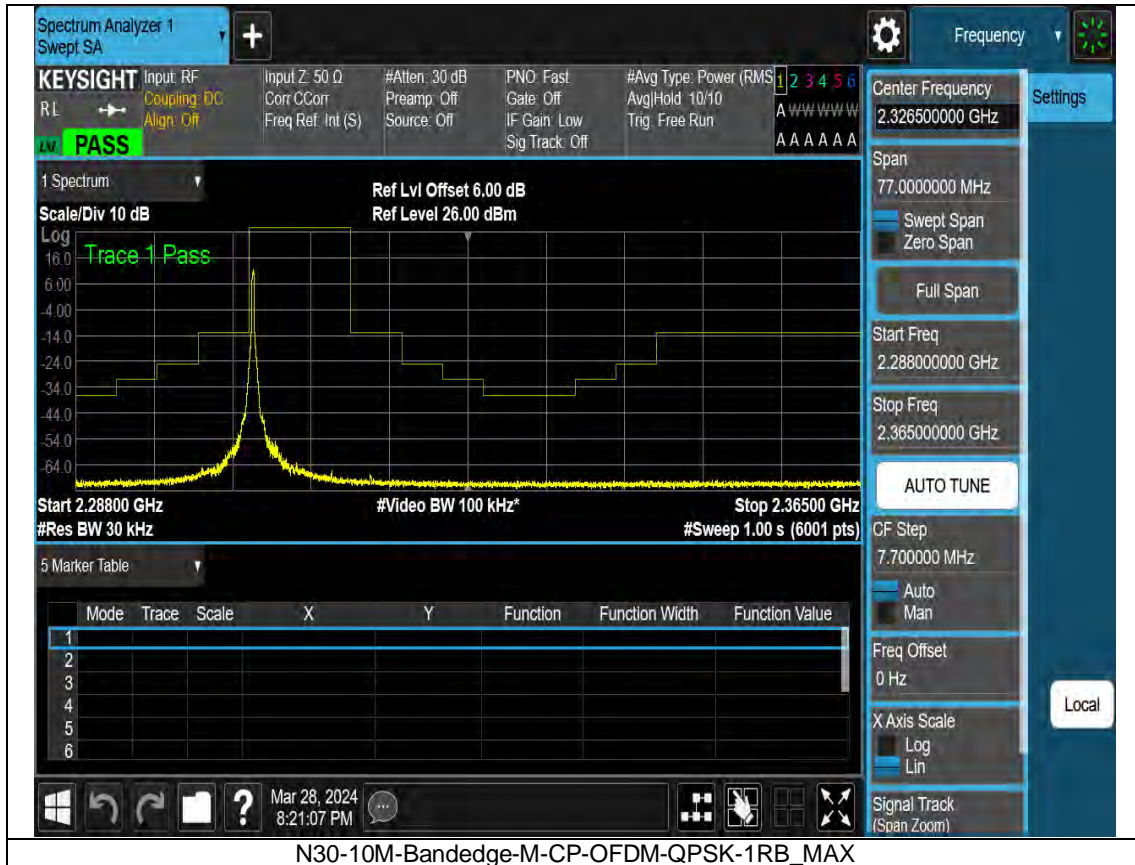


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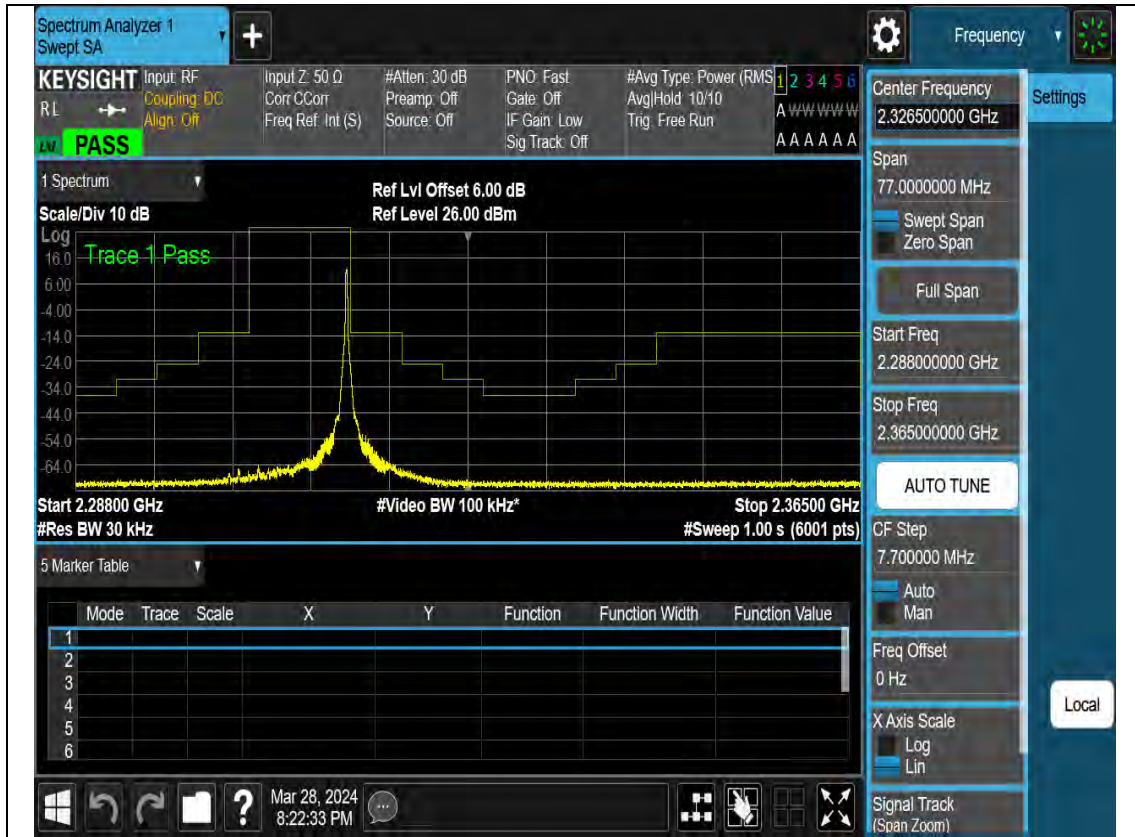


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Conducted spurious emissions

test graph



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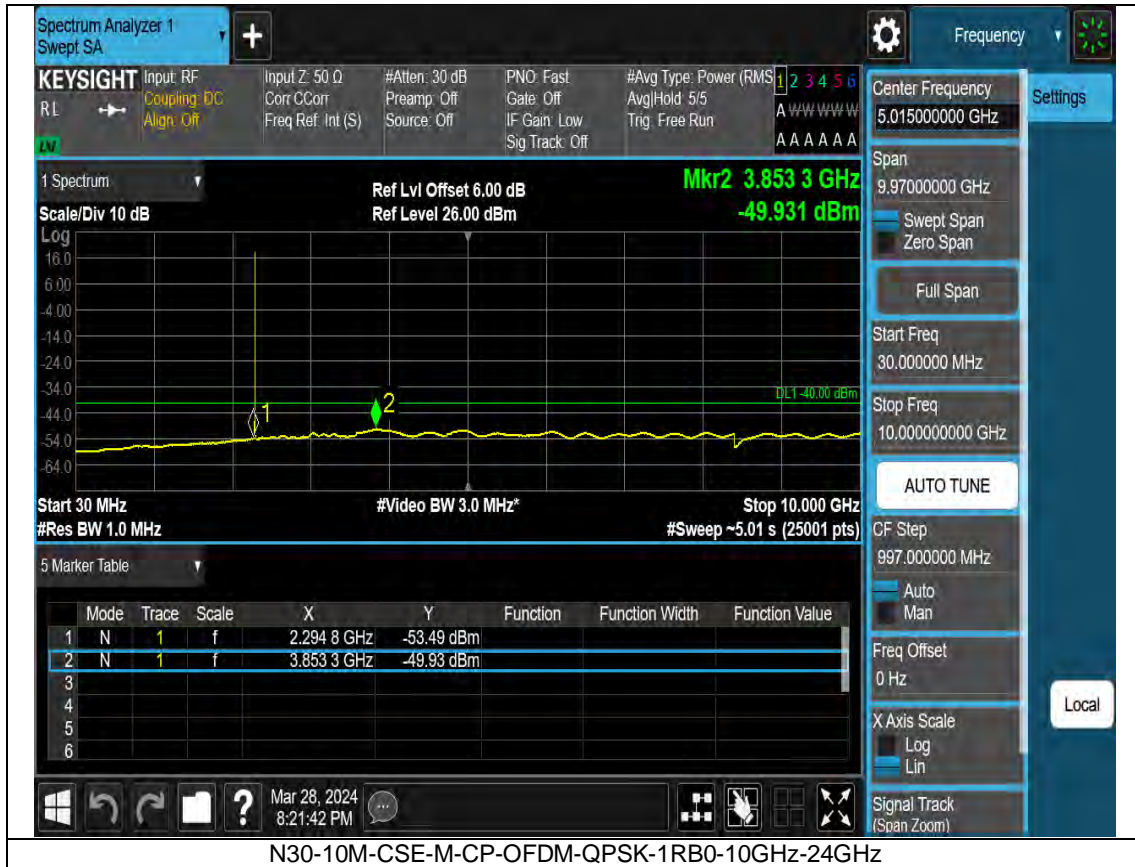


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Effective (Isotropic) Radiated Power Output Data

Bandwidth	Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm/5MHz)	EIRP (dBm/5MHz)	Limit	Verdict	Gain
5MHz	DFT-s-OFDM PI/2 BPSK	2307.5MHz	Edge_Full_Left	22.05	22.27	23.98	Pass	0.22
			Edge_Full_Right	22.06	22.28	23.98	Pass	0.22
			Edge_1RB_Left	22.09	22.31	23.98	Pass	0.22
			Edge_1RB_Right	22.08	22.3	23.98	Pass	0.22
			Outer_Full	21.99	22.21	23.98	Pass	0.22
			Inner_Full	22.52	22.74	23.98	Pass	0.22
			Inner_1RB_Left	22.58	22.8	23.98	Pass	0.22
			Inner_1RB_Right	22.59	22.81	23.98	Pass	0.22
	DFT-s-OFDM QPSK		Edge_Full_Left	21.42	21.64	23.98	Pass	0.22
			Edge_Full_Right	21.42	21.64	23.98	Pass	0.22
			Edge_1RB_Left	21.54	21.76	23.98	Pass	0.22
			Edge_1RB_Right	21.35	21.57	23.98	Pass	0.22
			Outer_Full	21.51	21.73	23.98	Pass	0.22
			Inner_Full	22.57	22.79	23.98	Pass	0.22
			Inner_1RB_Left	22.33	22.55	23.98	Pass	0.22
			Inner_1RB_Right	22.39	22.61	23.98	Pass	0.22
	DFT-s-OFDM 16QAM		Edge_Full_Left	20.55	20.77	23.98	Pass	0.22
			Edge_Full_Right	20.45	20.67	23.98	Pass	0.22
			Edge_1RB_Left	20.32	20.54	23.98	Pass	0.22
			Edge_1RB_Right	20.83	21.05	23.98	Pass	0.22
			Outer_Full	20.42	20.64	23.98	Pass	0.22
			Inner_Full	21.44	21.66	23.98	Pass	0.22
			Inner_1RB_Left	21.53	21.75	23.98	Pass	0.22
			Inner_1RB_Right	21.6	21.82	23.98	Pass	0.22
	DFT-s-OFDM 64QAM		Edge_Full_Left	20.1	20.32	23.98	Pass	0.22
			Edge_Full_Right	20.25	20.47	23.98	Pass	0.22
			Edge_1RB_Left	20.07	20.29	23.98	Pass	0.22
			Edge_1RB_Right	20.09	20.31	23.98	Pass	0.22
			Outer_Full	20.1	20.32	23.98	Pass	0.22



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CP-OFDM QPSK		Inner_Full	19.84	20.06	23.98	Pass	0.22		
		Inner_1RB_Left	20.03	20.25	23.98	Pass	0.22		
		Inner_1RB_Right	20.01	20.23	23.98	Pass	0.22		
		Edge_Full_Left	19.57	19.79	23.98	Pass	0.22		
		Edge_Full_Right	19.86	20.08	23.98	Pass	0.22		
		Edge_1RB_Left	18.71	18.93	23.98	Pass	0.22		
		Edge_1RB_Right	18.79	19.01	23.98	Pass	0.22		
		Outer_Full	19.42	19.64	23.98	Pass	0.22		
		Inner_Full	21.02	21.24	23.98	Pass	0.22		
		Inner_1RB_Left	20.64	20.86	23.98	Pass	0.22		
CP-OFDM 16QAM		Inner_1RB_Right	20.51	20.73	23.98	Pass	0.22		
		Edge_Full_Left	19.27	19.49	23.98	Pass	0.22		
		Edge_Full_Right	19.38	19.6	23.98	Pass	0.22		
		Edge_1RB_Left	18.64	18.86	23.98	Pass	0.22		
		Edge_1RB_Right	18.87	19.09	23.98	Pass	0.22		
		Outer_Full	19.19	19.41	23.98	Pass	0.22		
		Inner_Full	20.61	20.83	23.98	Pass	0.22		
		Inner_1RB_Left	19.53	19.75	23.98	Pass	0.22		
		Inner_1RB_Right	19.56	19.78	23.98	Pass	0.22		
		Edge_Full_Left	18.69	18.91	23.98	Pass	0.22		
CP-OFDM 64QAM		Edge_Full_Right	18.49	18.71	23.98	Pass	0.22		
		Edge_1RB_Left	18.76	18.98	23.98	Pass	0.22		
		Edge_1RB_Right	18.81	19.03	23.98	Pass	0.22		
		Outer_Full	18.93	19.15	23.98	Pass	0.22		
		Inner_Full	18.95	19.17	23.98	Pass	0.22		
		Inner_1RB_Left	18.9	19.12	23.98	Pass	0.22		
		Inner_1RB_Right	18.91	19.13	23.98	Pass	0.22		
		Edge_Full_Left	22.13	22.35	23.98	Pass	0.22		
		DFT-s-OFDM PI/2 BPSK	2310MHz	Edge_Full_Right	22.09	22.31	23.98	Pass	0.22
				Edge_1RB_Left	22.06	22.28	23.98	Pass	0.22
Edge_1RB_Right	22.1			22.32	23.98	Pass	0.22		
Outer_Full	22.04			22.26	23.98	Pass	0.22		
Inner_Full	22.42			22.64	23.98	Pass	0.22		



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DFT-s-OFDM QPSK	Inner_1RB_Left	22.51	22.73	23.98	Pass	0.22
	Inner_1RB_Right	22.52	22.74	23.98	Pass	0.22
	Edge_Full_Left	21.22	21.44	23.98	Pass	0.22
	Edge_Full_Right	21.31	21.53	23.98	Pass	0.22
	Edge_1RB_Left	21.4	21.62	23.98	Pass	0.22
	Edge_1RB_Right	21.37	21.59	23.98	Pass	0.22
	Outer_Full	21.33	21.55	23.98	Pass	0.22
	Inner_Full	22.43	22.65	23.98	Pass	0.22
	Inner_1RB_Left	22.24	22.46	23.98	Pass	0.22
	Inner_1RB_Right	22.27	22.49	23.98	Pass	0.22
DFT-s-OFDM 16QAM	Edge_Full_Left	20.47	20.69	23.98	Pass	0.22
	Edge_Full_Right	20.47	20.69	23.98	Pass	0.22
	Edge_1RB_Left	20.91	21.13	23.98	Pass	0.22
	Edge_1RB_Right	20.9	21.12	23.98	Pass	0.22
	Outer_Full	20.45	20.67	23.98	Pass	0.22
	Inner_Full	21.53	21.75	23.98	Pass	0.22
	Inner_1RB_Left	21.46	21.68	23.98	Pass	0.22
	Inner_1RB_Right	21.48	21.7	23.98	Pass	0.22
	Edge_Full_Left	20.14	20.36	23.98	Pass	0.22
	Edge_Full_Right	20.05	20.27	23.98	Pass	0.22
DFT-s-OFDM 64QAM	Edge_1RB_Left	19.99	20.21	23.98	Pass	0.22
	Edge_1RB_Right	19.86	20.08	23.98	Pass	0.22
	Outer_Full	20.02	20.24	23.98	Pass	0.22
	Inner_Full	19.82	20.04	23.98	Pass	0.22
	Inner_1RB_Left	20	20.22	23.98	Pass	0.22
	Inner_1RB_Right	20.01	20.23	23.98	Pass	0.22
	Edge_Full_Left	19.48	19.7	23.98	Pass	0.22
	Edge_Full_Right	19.57	19.79	23.98	Pass	0.22
	Edge_1RB_Left	19	19.22	23.98	Pass	0.22
	Edge_1RB_Right	19.06	19.28	23.98	Pass	0.22
CP-OFDM QPSK	Outer_Full	19.4	19.62	23.98	Pass	0.22
	Inner_Full	21.01	21.23	23.98	Pass	0.22
	Inner_1RB_Left	20.43	20.65	23.98	Pass	0.22



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CP-OFDM 16QAM		Inner_1RB_Right	20.52	20.74	23.98	Pass	0.22
		Edge_Full_Left	19.24	19.46	23.98	Pass	0.22
		Edge_Full_Right	19.45	19.67	23.98	Pass	0.22
		Edge_1RB_Left	18.39	18.61	23.98	Pass	0.22
		Edge_1RB_Right	18.41	18.63	23.98	Pass	0.22
		Outer_Full	19.25	19.47	23.98	Pass	0.22
		Inner_Full	20.65	20.87	23.98	Pass	0.22
		Inner_1RB_Left	19.26	19.48	23.98	Pass	0.22
		Inner_1RB_Right	19.56	19.78	23.98	Pass	0.22
CP-OFDM 64QAM		Edge_Full_Left	18.45	18.67	23.98	Pass	0.22
		Edge_Full_Right	18.66	18.88	23.98	Pass	0.22
		Edge_1RB_Left	18.97	19.19	23.98	Pass	0.22
		Edge_1RB_Right	18.71	18.93	23.98	Pass	0.22
		Outer_Full	18.97	19.19	23.98	Pass	0.22
		Inner_Full	18.99	19.21	23.98	Pass	0.22
		Inner_1RB_Left	18.74	18.96	23.98	Pass	0.22
		Inner_1RB_Right	18.61	18.83	23.98	Pass	0.22
		DFT-s-OFDM PI/2 BPSK	2312.5MHz	Edge_Full_Left	21.97	22.19	23.98
Edge_Full_Right	21.97			22.19	23.98	Pass	0.22
Edge_1RB_Left	22.1			22.32	23.98	Pass	0.22
Edge_1RB_Right	21.94			22.16	23.98	Pass	0.22
Outer_Full	21.83			22.05	23.98	Pass	0.22
Inner_Full	22.44			22.66	23.98	Pass	0.22
Inner_1RB_Left	22.48			22.7	23.98	Pass	0.22
Inner_1RB_Right	22.37			22.59	23.98	Pass	0.22
DFT-s-OFDM QPSK				Edge_Full_Left	21.42	21.64	23.98
		Edge_Full_Right	21.35	21.57	23.98	Pass	0.22
		Edge_1RB_Left	21.47	21.69	23.98	Pass	0.22
		Edge_1RB_Right	21.42	21.64	23.98	Pass	0.22
		Outer_Full	21.34	21.56	23.98	Pass	0.22
		Inner_Full	22.41	22.63	23.98	Pass	0.22
		Inner_1RB_Left	22.39	22.61	23.98	Pass	0.22
		Inner_1RB_Right	22.28	22.5	23.98	Pass	0.22



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DFT-s-OFDM 16QAM	Edge_Full_Left	20.3	20.52	23.98	Pass	0.22
	Edge_Full_Right	20.25	20.47	23.98	Pass	0.22
	Edge_1RB_Left	20.08	20.3	23.98	Pass	0.22
	Edge_1RB_Right	20.03	20.25	23.98	Pass	0.22
	Outer_Full	20.37	20.59	23.98	Pass	0.22
	Inner_Full	21.59	21.81	23.98	Pass	0.22
	Inner_1RB_Left	21.14	21.36	23.98	Pass	0.22
	Inner_1RB_Right	21.07	21.29	23.98	Pass	0.22
DFT-s-OFDM 64QAM	Edge_Full_Left	20.08	20.3	23.98	Pass	0.22
	Edge_Full_Right	19.98	20.2	23.98	Pass	0.22
	Edge_1RB_Left	20.06	20.28	23.98	Pass	0.22
	Edge_1RB_Right	19.9	20.12	23.98	Pass	0.22
	Outer_Full	19.94	20.16	23.98	Pass	0.22
	Inner_Full	19.98	20.2	23.98	Pass	0.22
	Inner_1RB_Left	20.11	20.33	23.98	Pass	0.22
	Inner_1RB_Right	19.99	20.21	23.98	Pass	0.22
CP-OFDM QPSK	Edge_Full_Left	19.13	19.35	23.98	Pass	0.22
	Edge_Full_Right	18.83	19.05	23.98	Pass	0.22
	Edge_1RB_Left	19.15	19.37	23.98	Pass	0.22
	Edge_1RB_Right	19.17	19.39	23.98	Pass	0.22
	Outer_Full	19.32	19.54	23.98	Pass	0.22
	Inner_Full	20.97	21.19	23.98	Pass	0.22
	Inner_1RB_Left	20.36	20.58	23.98	Pass	0.22
	Inner_1RB_Right	20.55	20.77	23.98	Pass	0.22
CP-OFDM 16QAM	Edge_Full_Left	19.71	19.93	23.98	Pass	0.22
	Edge_Full_Right	19.46	19.68	23.98	Pass	0.22
	Edge_1RB_Left	19.13	19.35	23.98	Pass	0.22
	Edge_1RB_Right	18.93	19.15	23.98	Pass	0.22
	Outer_Full	19.3	19.52	23.98	Pass	0.22
	Inner_Full	20.57	20.79	23.98	Pass	0.22
	Inner_1RB_Left	19.14	19.36	23.98	Pass	0.22
	Inner_1RB_Right	19.69	19.91	23.98	Pass	0.22
CP-OFDM 64QAM	Edge_Full_Left	18.75	18.97	23.98	Pass	0.22



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			Edge_Full_Right	18.66	18.88	23.98	Pass	0.22
			Edge_1RB_Left	19.29	19.51	23.98	Pass	0.22
			Edge_1RB_Right	19.05	19.27	23.98	Pass	0.22
			Outer_Full	18.89	19.11	23.98	Pass	0.22
			Inner_Full	19	19.22	23.98	Pass	0.22
			Inner_1RB_Left	19.06	19.28	23.98	Pass	0.22
			Inner_1RB_Right	19.18	19.4	23.98	Pass	0.22
10MHz	DFT-s-OFDM PI/2 BPSK	2310MHz	Edge_Full_Left	21.86	22.08	23.98	Pass	0.22
			Edge_Full_Right	21.75	21.97	23.98	Pass	0.22
			Edge_1RB_Left	21.74	21.96	23.98	Pass	0.22
			Edge_1RB_Right	21.53	21.75	23.98	Pass	0.22
			Outer_Full	21.92	22.14	23.98	Pass	0.22
			Inner_Full	22.28	22.5	23.98	Pass	0.22
	Inner_1RB_Left		22.17	22.39	23.98	Pass	0.22	
	Inner_1RB_Right		22	22.22	23.98	Pass	0.22	
	DFT-s-OFDM QPSK		Edge_Full_Left	21.24	21.46	23.98	Pass	0.22
			Edge_Full_Right	21.15	21.37	23.98	Pass	0.22
			Edge_1RB_Left	20.95	21.17	23.98	Pass	0.22
			Edge_1RB_Right	20.93	21.15	23.98	Pass	0.22
			Outer_Full	21.3	21.52	23.98	Pass	0.22
			Inner_Full	22.16	22.38	23.98	Pass	0.22
	DFT-s-OFDM 16QAM		Inner_1RB_Left	21.87	22.09	23.98	Pass	0.22
			Inner_1RB_Right	21.61	21.83	23.98	Pass	0.22
			Edge_Full_Left	20.01	20.23	23.98	Pass	0.22
			Edge_Full_Right	19.82	20.04	23.98	Pass	0.22
			Edge_1RB_Left	19.92	20.14	23.98	Pass	0.22
			Edge_1RB_Right	19.66	19.88	23.98	Pass	0.22
	DFT-s-OFDM 64QAM		Outer_Full	20.25	20.47	23.98	Pass	0.22
			Inner_Full	21.35	21.57	23.98	Pass	0.22
			Inner_1RB_Left	20.81	21.03	23.98	Pass	0.22
			Inner_1RB_Right	20.62	20.84	23.98	Pass	0.22
Edge_Full_Left		19.71	19.93	23.98	Pass	0.22		
Edge_Full_Right		19.54	19.76	23.98	Pass	0.22		



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CP-OFDM QPSK	Edge_1RB_Left	19.53	19.75	23.98	Pass	0.22	
	Edge_1RB_Right	19.3	19.52	23.98	Pass	0.22	
	Outer_Full	19.74	19.96	23.98	Pass	0.22	
	Inner_Full	19.62	19.84	23.98	Pass	0.22	
	Inner_1RB_Left	19.47	19.69	23.98	Pass	0.22	
	Inner_1RB_Right	19.25	19.47	23.98	Pass	0.22	
	Edge_Full_Left	17.96	18.18	23.98	Pass	0.22	
	Edge_Full_Right	17.8	18.02	23.98	Pass	0.22	
	Edge_1RB_Left	19.22	19.44	23.98	Pass	0.22	
	Edge_1RB_Right	19.03	19.25	23.98	Pass	0.22	
	Outer_Full	19.17	19.39	23.98	Pass	0.22	
	Inner_Full	20.48	20.7	23.98	Pass	0.22	
CP-OFDM 16QAM	Inner_1RB_Left	21.06	21.28	23.98	Pass	0.22	
	Inner_1RB_Right	20.81	21.03	23.98	Pass	0.22	
	Edge_Full_Left	18.92	19.14	23.98	Pass	0.22	
	Edge_Full_Right	18.74	18.96	23.98	Pass	0.22	
	Edge_1RB_Left	19.72	19.94	23.98	Pass	0.22	
	Edge_1RB_Right	19.42	19.64	23.98	Pass	0.22	
	Outer_Full	19.11	19.33	23.98	Pass	0.22	
	Inner_Full	20.12	20.34	23.98	Pass	0.22	
	Inner_1RB_Left	20.89	21.11	23.98	Pass	0.22	
	Inner_1RB_Right	20.28	20.5	23.98	Pass	0.22	
	CP-OFDM 64QAM	Edge_Full_Left	17.99	18.21	23.98	Pass	0.22
		Edge_Full_Right	17.83	18.05	23.98	Pass	0.22
Edge_1RB_Left		18.55	18.77	23.98	Pass	0.22	
Edge_1RB_Right		18.17	18.39	23.98	Pass	0.22	
Outer_Full		18.77	18.99	23.98	Pass	0.22	
Inner_Full		18.54	18.76	23.98	Pass	0.22	
Inner_1RB_Left		18.54	18.76	23.98	Pass	0.22	
Inner_1RB_Right		18.09	18.31	23.98	Pass	0.22	



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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	2310	Outer_Full	20	LV	-5.83	-0.0031	Pass
					HV	-8.05	-0.0043	Pass
				-30	NV	8.52	0.0045	Pass
				-20	NV	-9.89	-0.0053	Pass
				-10	NV	3.92	0.0021	Pass
				0	NV	7.03	0.0037	Pass
				10	NV	-3.83	-0.0020	Pass
				20	NV	-3.88	-0.0021	Pass
				30	NV	-6.13	-0.0033	Pass
				40	NV	2.11	0.0011	Pass
	50			NV	-5.46	-0.0029	Pass	
	CP-OFDM QPSK			20	LV	-6.84	-0.0036	Pass
					HV	8.86	0.0047	Pass
				-30	NV	-5.87	-0.0031	Pass
				-20	NV	-9.07	-0.0048	Pass
				-10	NV	-8.85	-0.0047	Pass
				0	NV	6.55	0.0035	Pass
				10	NV	8.09	0.0043	Pass
				20	NV	-4.85	-0.0026	Pass
				30	NV	2.43	0.0013	Pass
40		NV	9.28	0.0049	Pass			
50	NV	2.47	0.0013	Pass				
10MHz	DFT-s-OFDM PI/2 BPSK	2310	Outer_Full	20	LV	-3.1	-0.0016	Pass
					HV	4.9	0.0026	Pass
				-30	NV	4.19	0.0022	Pass
				-20	NV	3.36	0.0018	Pass
				-10	NV	3.85	0.0020	Pass
				0	NV	3.07	0.0016	Pass
10	NV	6.31	0.0034	Pass				



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CP-OFDM QPSK	20	NV	-4.6	-0.0024	Pass
	30	NV	-3.83	-0.0020	Pass
	40	NV	-2.44	-0.0013	Pass
	50	NV	-7.05	-0.0038	Pass
	20	LV	-3.21	-0.0017	Pass
		HV	2.21	0.0012	Pass
	-30	NV	5.28	0.0028	Pass
	-20	NV	-5.81	-0.0031	Pass
	-10	NV	9.9	0.0053	Pass
	0	NV	-4.24	-0.0023	Pass
	10	NV	-7.81	-0.0042	Pass
	20	NV	-3.21	-0.0017	Pass
	30	NV	3.85	0.0020	Pass
	40	NV	2.28	0.0012	Pass
	50	NV	2.8	0.0015	Pass



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Field Strength of Spurious Radiation

NR Band 30-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
4610.5	-55.43	-13	-42.43	-60.89	3.94	9.4	Horizontal	Pass
6915.75	-51.18	-13	-38.18	-57.465	4.21	10.49	Horizontal	Pass
9221	-49.13	-13	-36.13	-57.77	4.57	13.21	Horizontal	Pass
4610.5	-56.14	-13	-43.14	-61.6	3.94	9.4	Vertical	Pass
6915.75	-51.62	-13	-38.62	-57.905	4.21	10.49	Vertical	Pass
9221	-48.44	-13	-35.44	-57.08	4.57	13.21	Vertical	Pass

NR Band 30-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
4615.5	-55.8	-13	-42.8	-61.26	3.94	9.4	Horizontal	Pass
6923.25	-51.63	-13	-38.63	-57.915	4.21	10.49	Horizontal	Pass
9231	-48.15	-13	-35.15	-56.79	4.57	13.21	Horizontal	Pass
4615.5	-54.66	-13	-41.66	-60.12	3.94	9.4	Vertical	Pass
6923.25	-51.71	-13	-38.71	-57.995	4.21	10.49	Vertical	Pass
9231	-48.99	-13	-35.99	-57.63	4.57	13.21	Vertical	Pass

NR Band 30-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
4620.5	-55.86	-13	-42.86	-61.32	3.94	9.4	Horizontal	Pass
6930.75	-50.91	-13	-37.91	-57.195	4.21	10.49	Horizontal	Pass
9241	-48.06	-13	-35.06	-56.7	4.57	13.21	Horizontal	Pass
4620.5	-55.42	-13	-42.42	-60.88	3.94	9.4	Vertical	Pass
6930.75	-51.16	-13	-38.16	-57.445	4.21	10.49	Vertical	Pass
9241	-48.92	-13	-35.92	-57.56	4.57	13.21	Vertical	Pass



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NR Band 30-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
4611	-55.2	-13	-42.2	-60.66	3.94	9.4	Horizontal	Pass
6916.5	-50.94	-13	-37.94	-57.225	4.21	10.49	Horizontal	Pass
9222	-49.43	-13	-36.43	-58.07	4.57	13.21	Horizontal	Pass
4611	-54.93	-13	-41.93	-60.39	3.94	9.4	Vertical	Pass
6916.5	-51.81	-13	-38.81	-58.095	4.21	10.49	Vertical	Pass
9222	-48.29	-13	-35.29	-56.93	4.57	13.21	Vertical	Pass

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