

Effective (Isotropic) Radiated Output Power Data
Test Result

Band 23 SCS 15kHz					
Modulation	Frequency(MHz)	Ntones	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)
QPSK	2000.1	12@0	19.81	3	22.81
QPSK		1@0	20.74	3	23.74
QPSK		1@11	20.83	3	23.83
BPSK		1@0	20.13	3	23.13
BPSK		1@11	20.42	3	23.42
QPSK	2010	12@0	19.94	3	22.94
QPSK		1@0	20.20	3	23.20
QPSK		1@11	20.41	3	23.41
BPSK		1@0	20.18	3	23.18
BPSK		1@11	20.29	3	23.29
QPSK	2019.9	12@0	19.79	3	22.79
QPSK		1@0	20.37	3	23.37
QPSK		1@11	20.26	3	23.26
BPSK		1@0	20.48	3	23.48
BPSK		1@11	20.31	3	23.31

Band 23 SCS 3.75kHz					
Modulation	Frequency(MHz)	Ntones	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)
QPSK	2000.1	1@0	20.38	3	23.38
QPSK		1@47	20.31	3	23.31
BPSK		1@0	20.49	3	23.49
BPSK		1@47	20.16	3	23.16
QPSK	2010	1@0	20.35	3	23.35
QPSK		1@47	20.28	3	23.28
BPSK		1@0	20.36	3	23.36
BPSK		1@47	20.32	3	23.32
QPSK	2019.9	1@0	20.37	3	23.37
QPSK		1@47	20.29	3	23.29
BPSK		1@0	20.13	3	23.13
BPSK		1@47	20.40	3	23.40

99% & 26dB Bandwidth

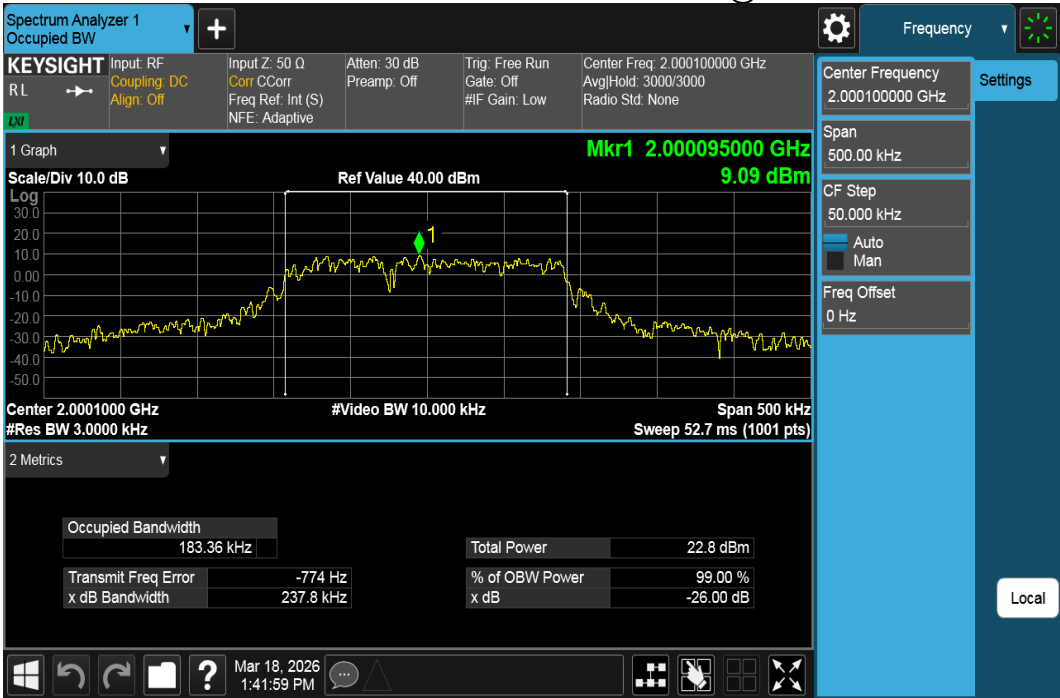
Test Result

Band 23 SCS 15kHz						
Modulation	CH	N _{tones} Allocation	99% Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit (kHz)	Verdict
QPSK	Low CH	12@0	183.36	237.8	/	Pass
QPSK		1@0	89.312	102.5	/	Pass
QPSK		1@11	86.438	92.53	/	Pass
BPSK		1@0	95.484	110.4	/	Pass
BPSK		1@11	91.876	99.24	/	Pass
QPSK	Middle CH	12@0	184.87	240.3	/	Pass
QPSK		1@0	86.592	91.92	/	Pass
QPSK		1@11	86.291	97.28	/	Pass
BPSK		1@0	81.233	77.33	/	Pass
BPSK		1@11	81.929	99.30	/	Pass
QPSK	High CH	12@0	184.22	237.0	/	Pass
QPSK		1@0	87.830	98.18	/	Pass
QPSK		1@11	86.390	112.6	/	Pass
BPSK		1@0	88.819	76.98	/	Pass
BPSK		1@11	85.583	99.56	/	Pass

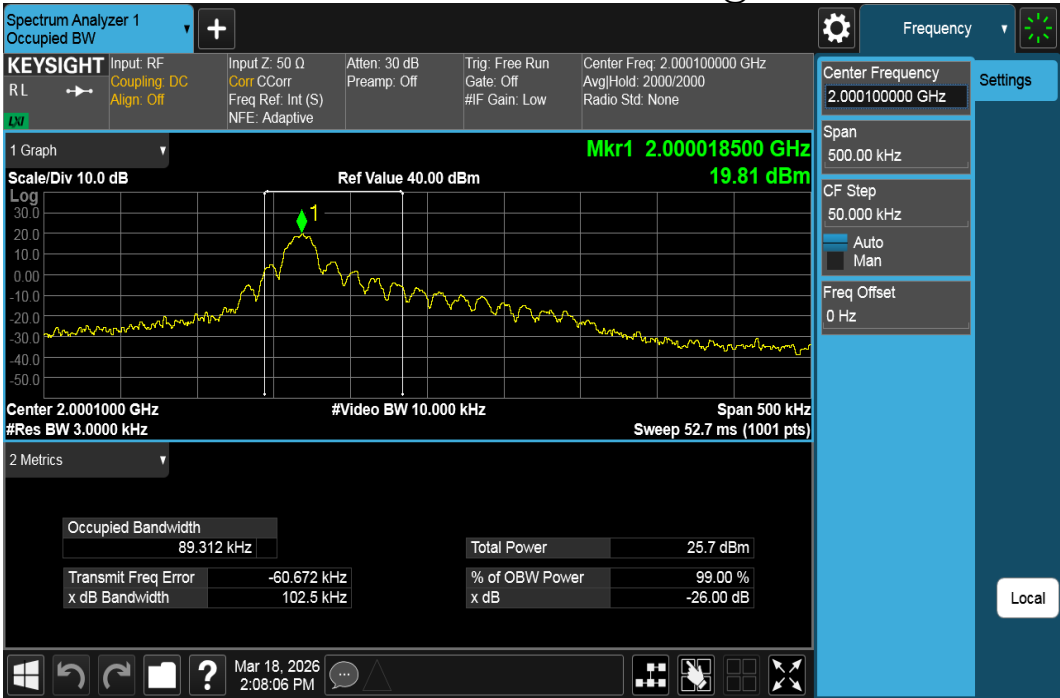
Band 23 SCS 3.75kHz						
Modulation	CH	N _{tones} Allocation	99% Bandwidth (kHz)	26dB Bandwidth (kHz)	Limit (kHz)	Verdict
QPSK	Low CH	1@0	43.613	37.72	/	Pass
QPSK		1@47	41.091	36.88	/	Pass
BPSK		1@0	41.532	33.84	/	Pass
BPSK		1@47	43.937	34.48	/	Pass
QPSK	Middle CH	1@0	39.796	34.10	/	Pass
QPSK		1@47	43.461	34.65	/	Pass
BPSK		1@0	43.374	32.00	/	Pass
BPSK		1@47	44.564	33.97	/	Pass
QPSK	High CH	1@0	44.825	40.80	/	Pass
QPSK		1@47	43.427	34.95	/	Pass
BPSK		1@0	43.742	33.97	/	Pass
BPSK		1@47	46.057	36.28	/	Pass

Test Graph

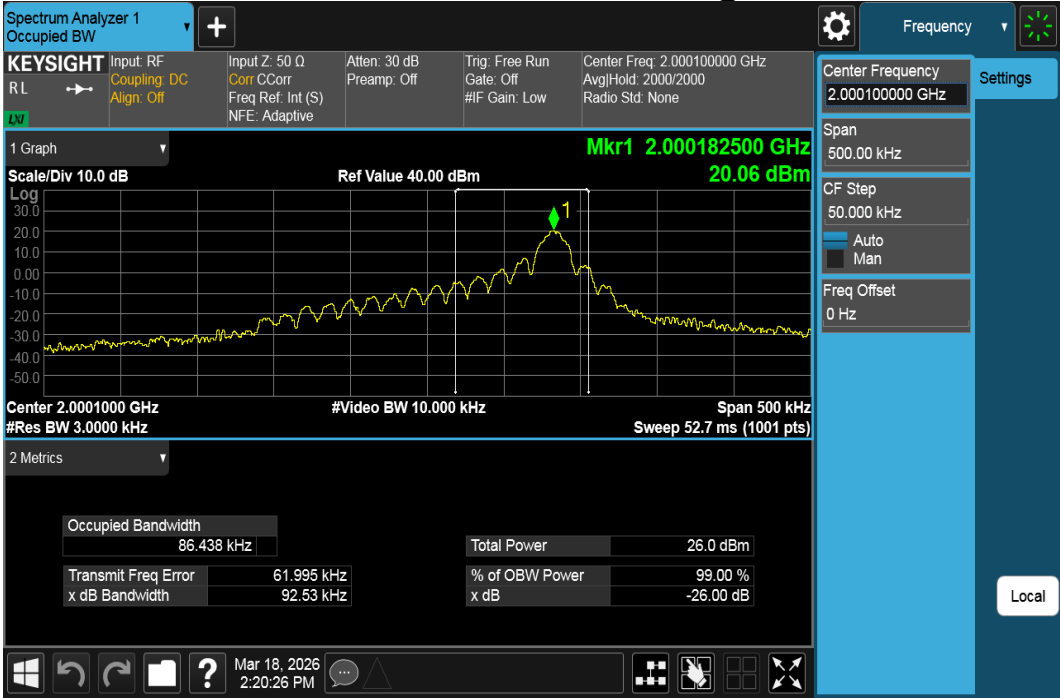
Band23-15kHz-OBW-LCH-QPSK-12@0



Band23-15kHz-OBW-LCH-QPSK-1@0



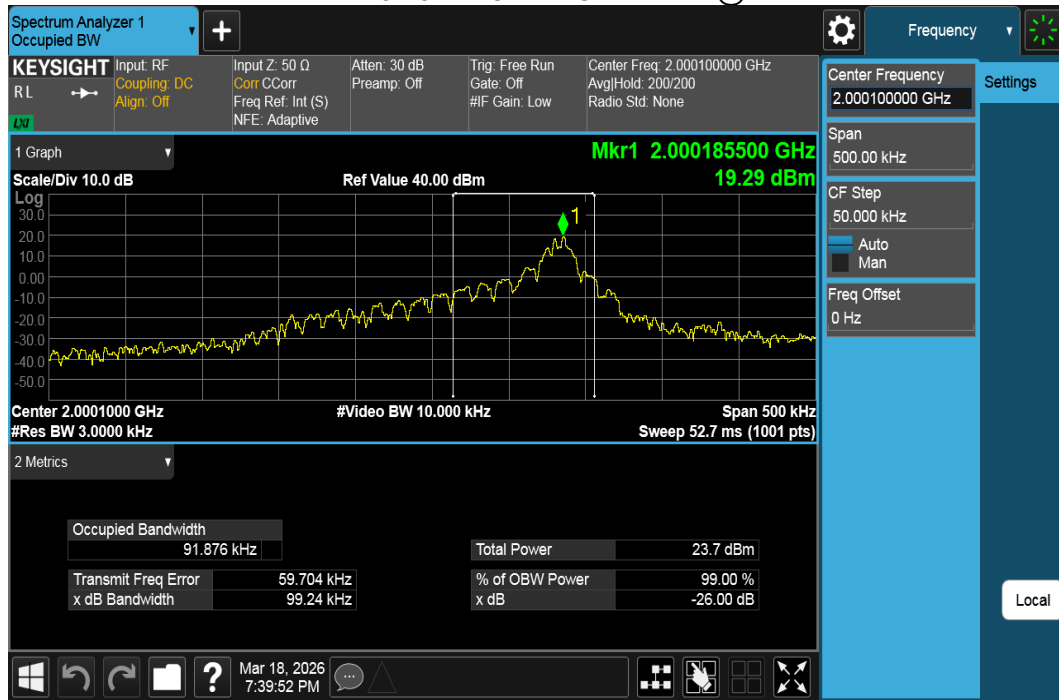
Band23-15kHz-OBW-LCH-QPSK-1@11



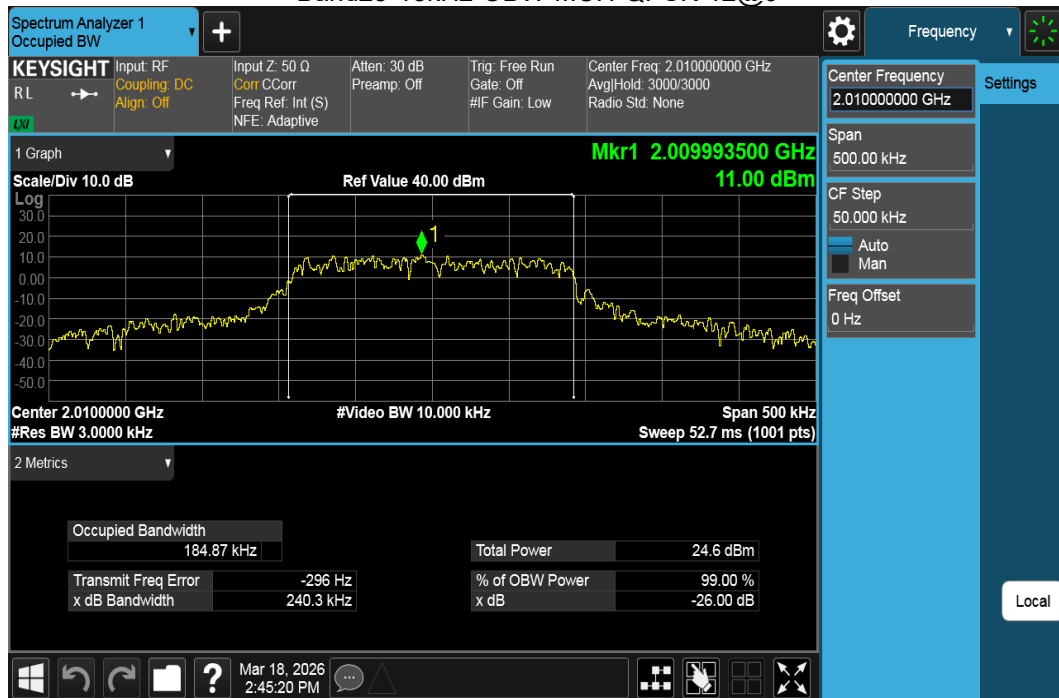
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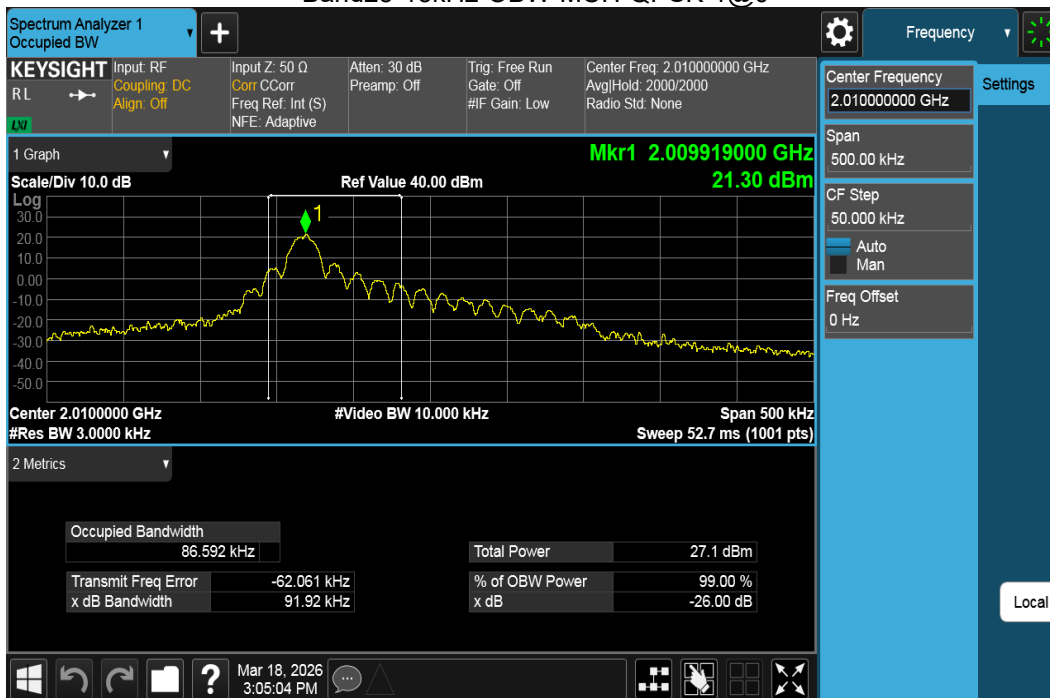
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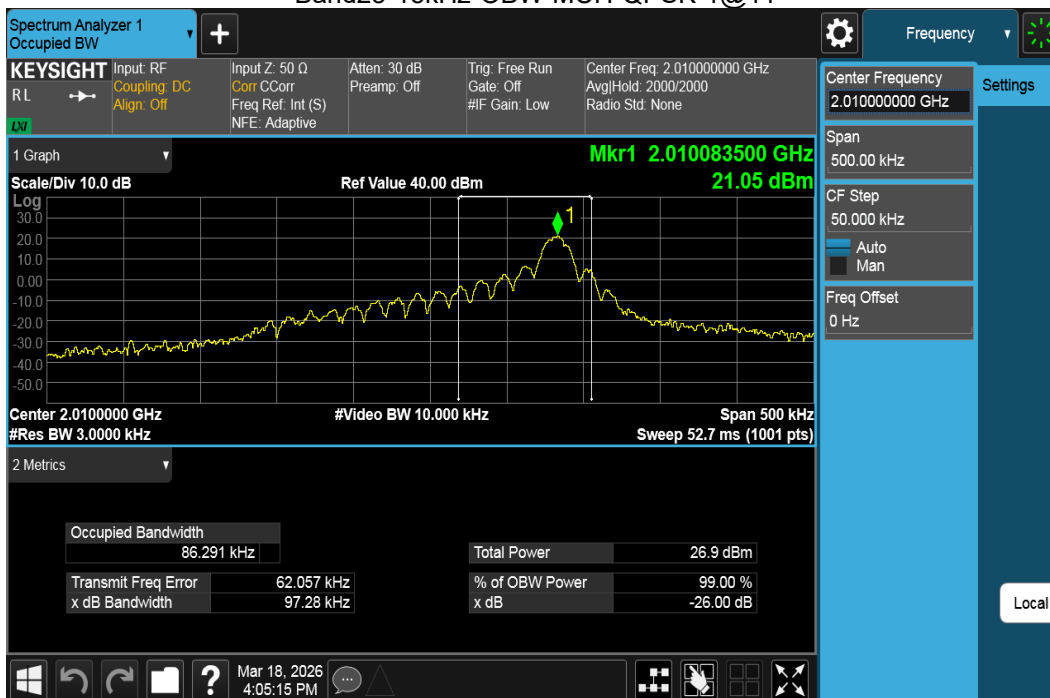
Band23-15kHz-OBW-MCH-QPSK-12@0



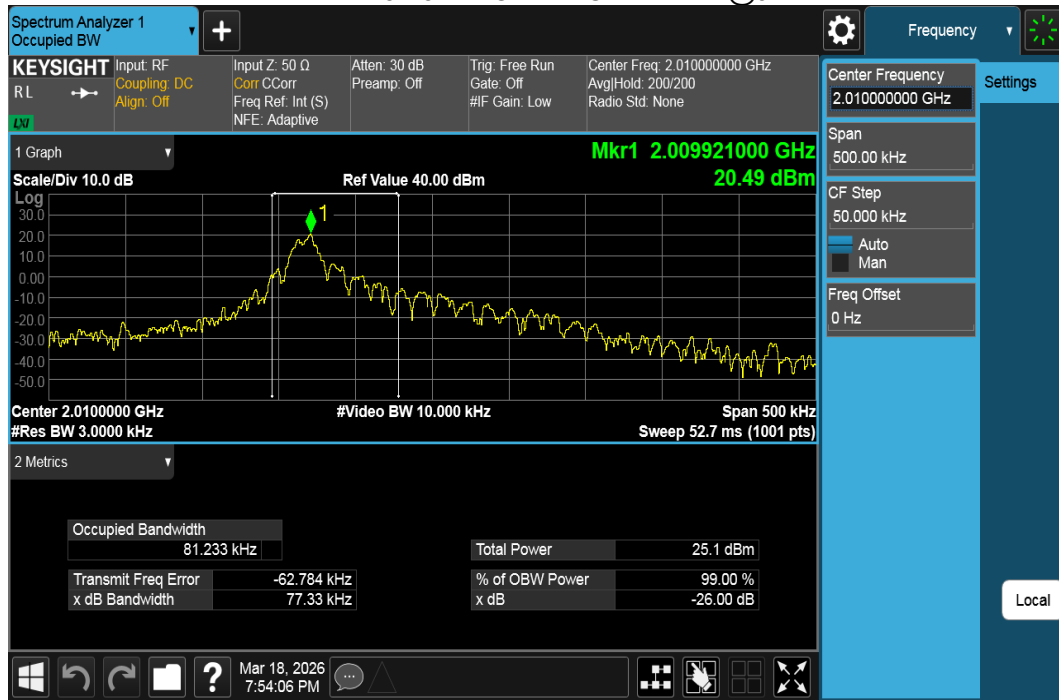
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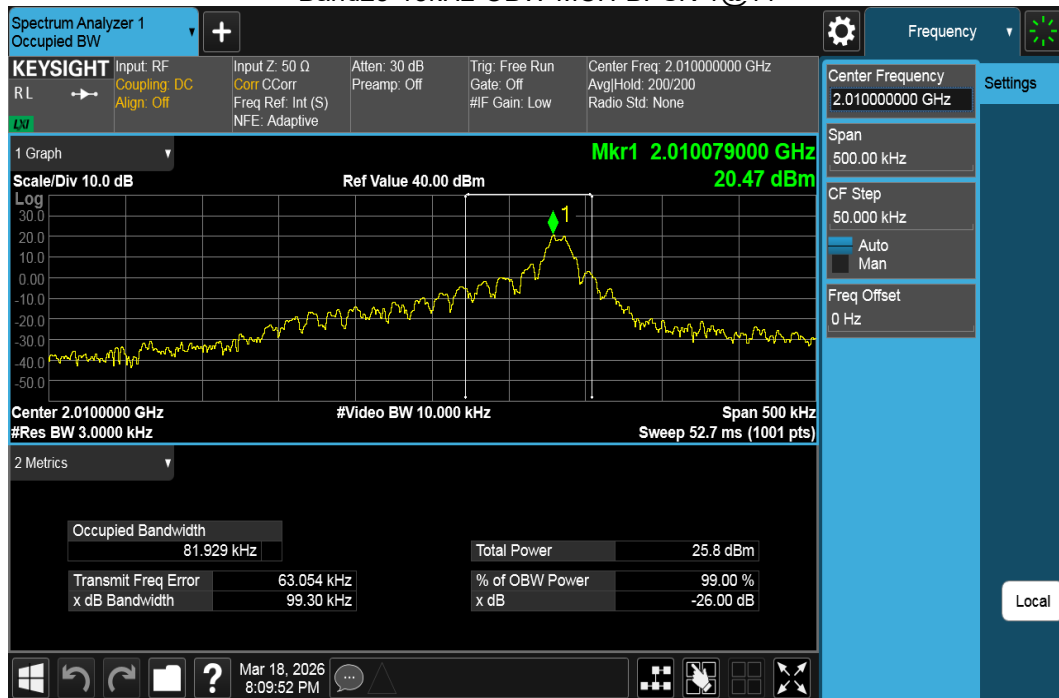
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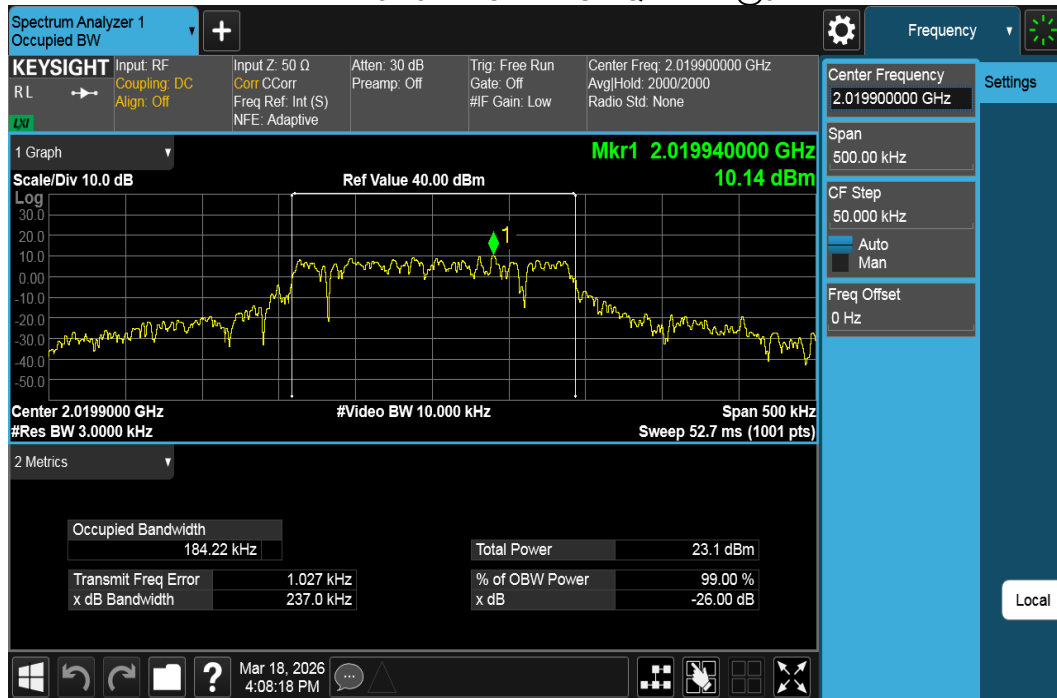
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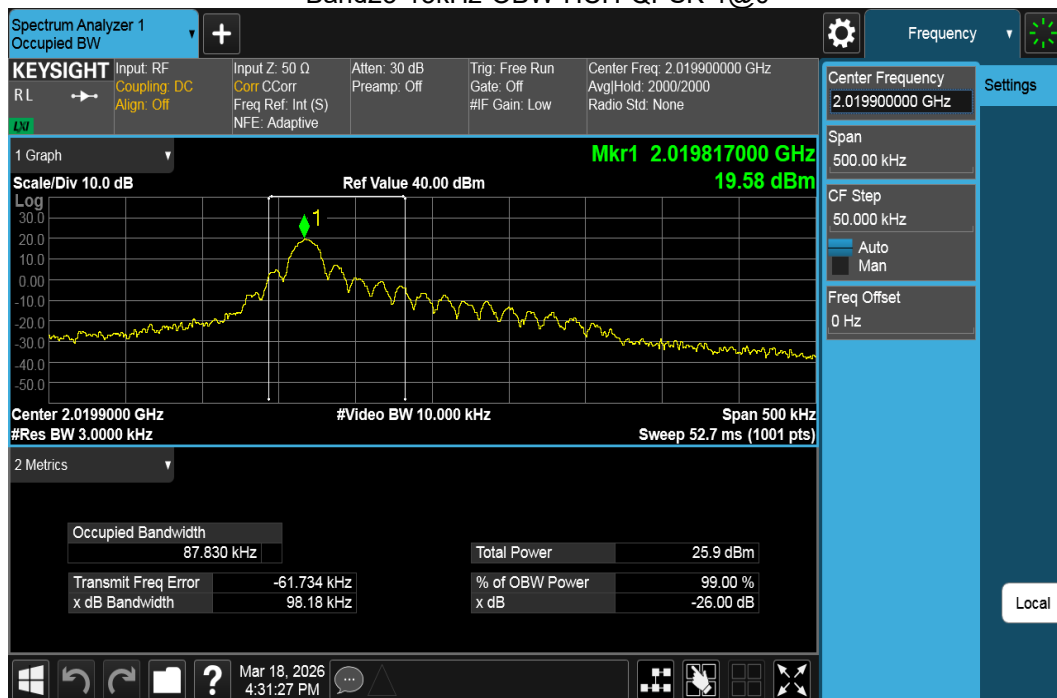
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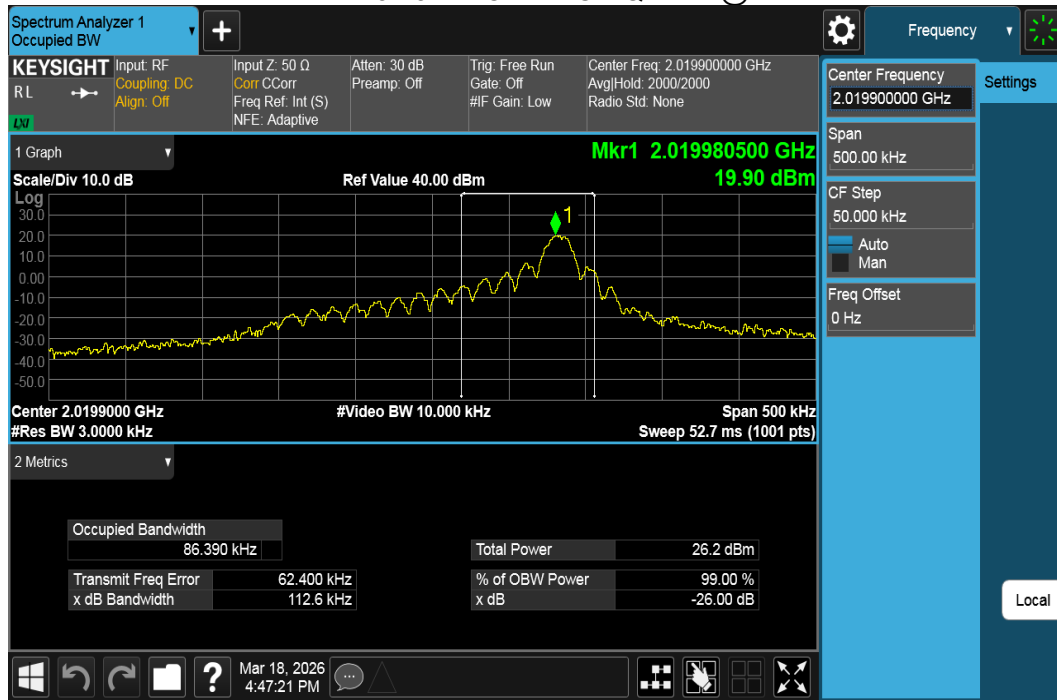
Band23-15kHz-OBW-HCH-QPSK-12@0



Band23-15kHz-OBW-HCH-QPSK-1@0



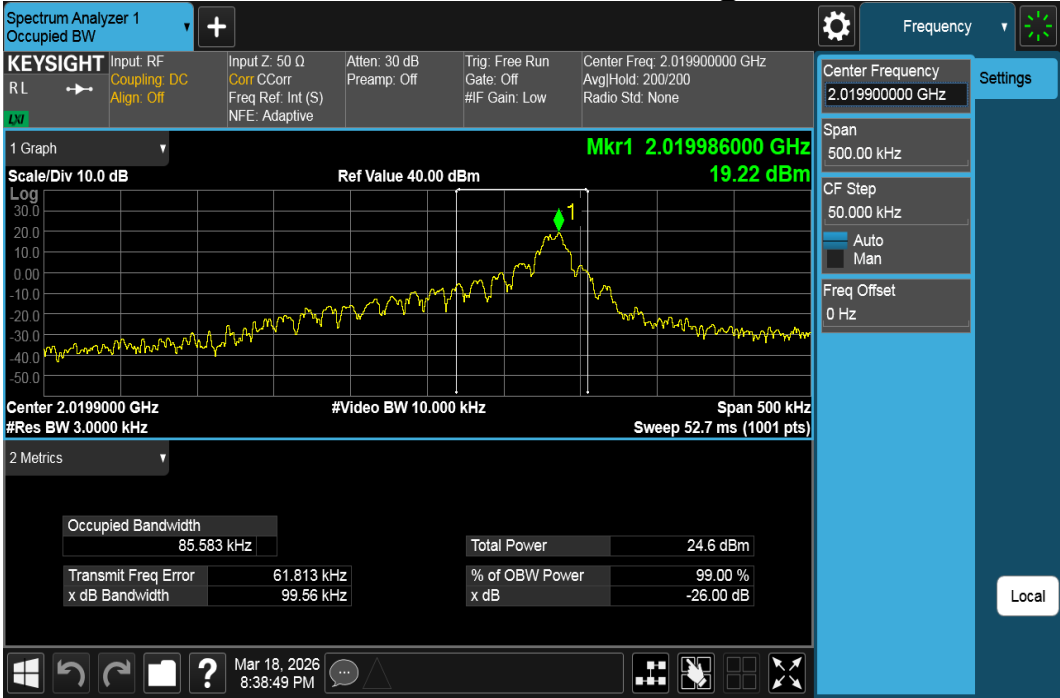
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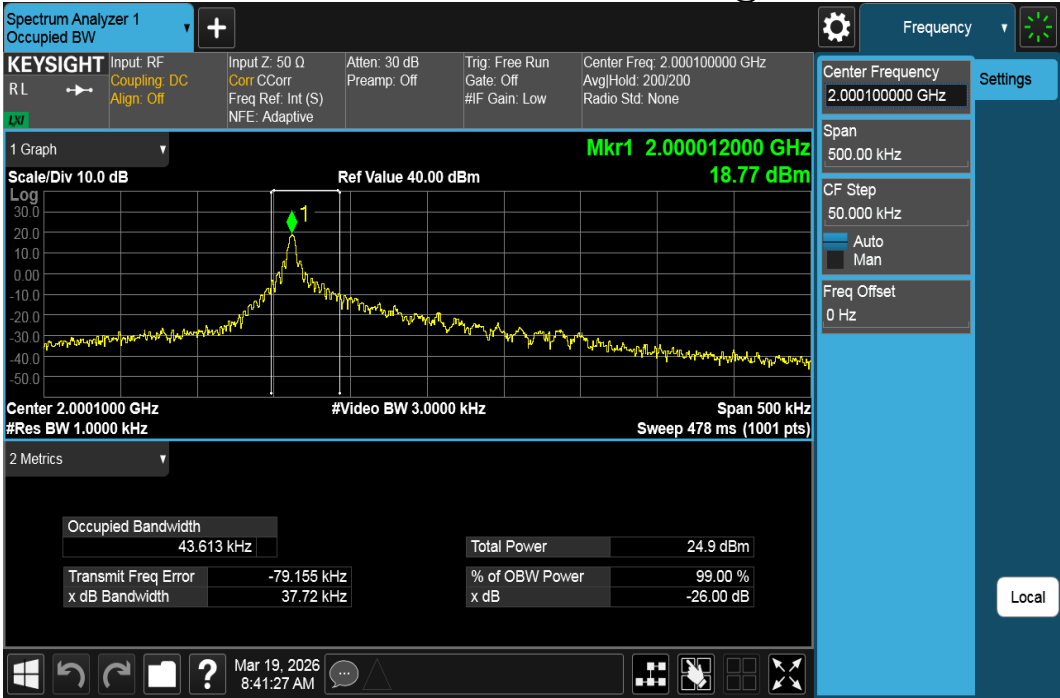
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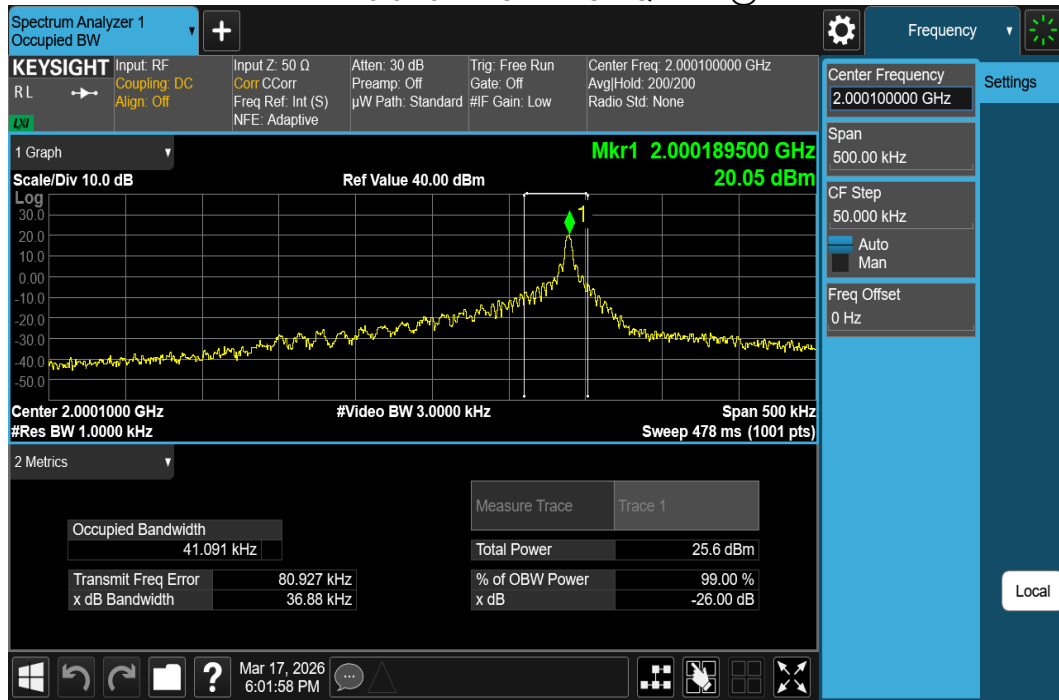
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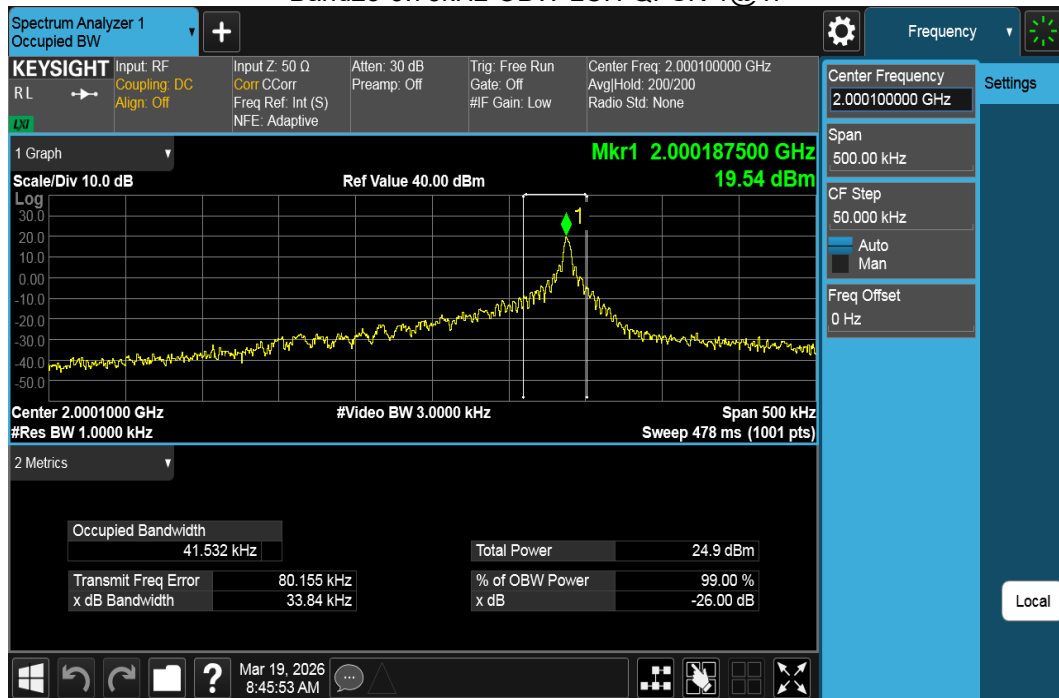
Band23-3.75kHz-OBW-LCH-QPSK-1@0



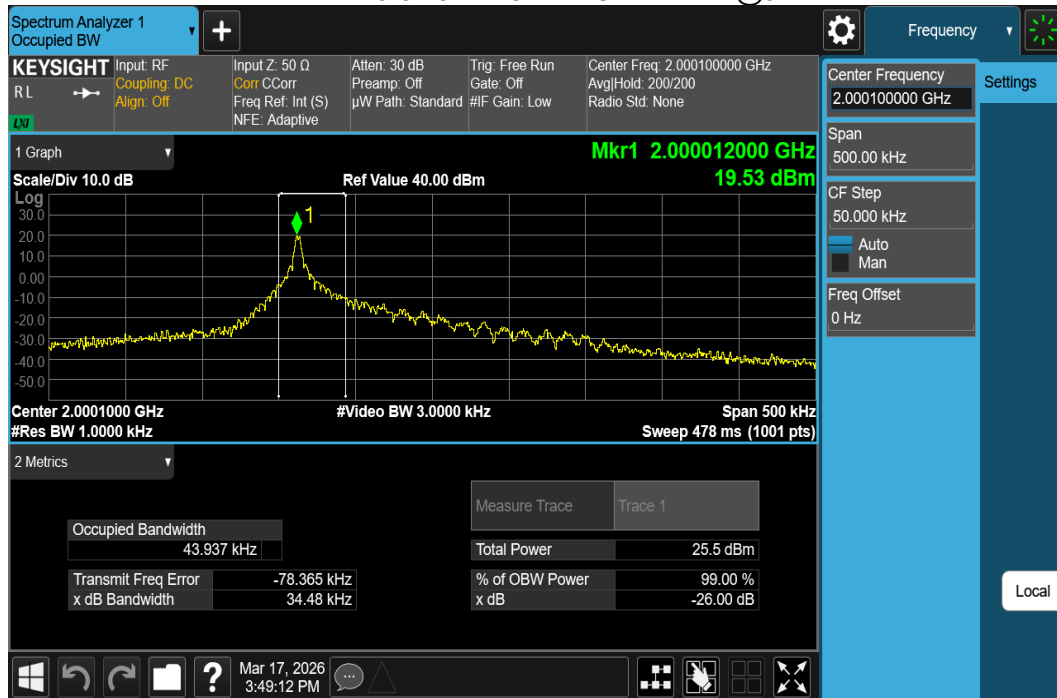
Band23-3.75kHz-OBW-LCH-QPSK-1@47



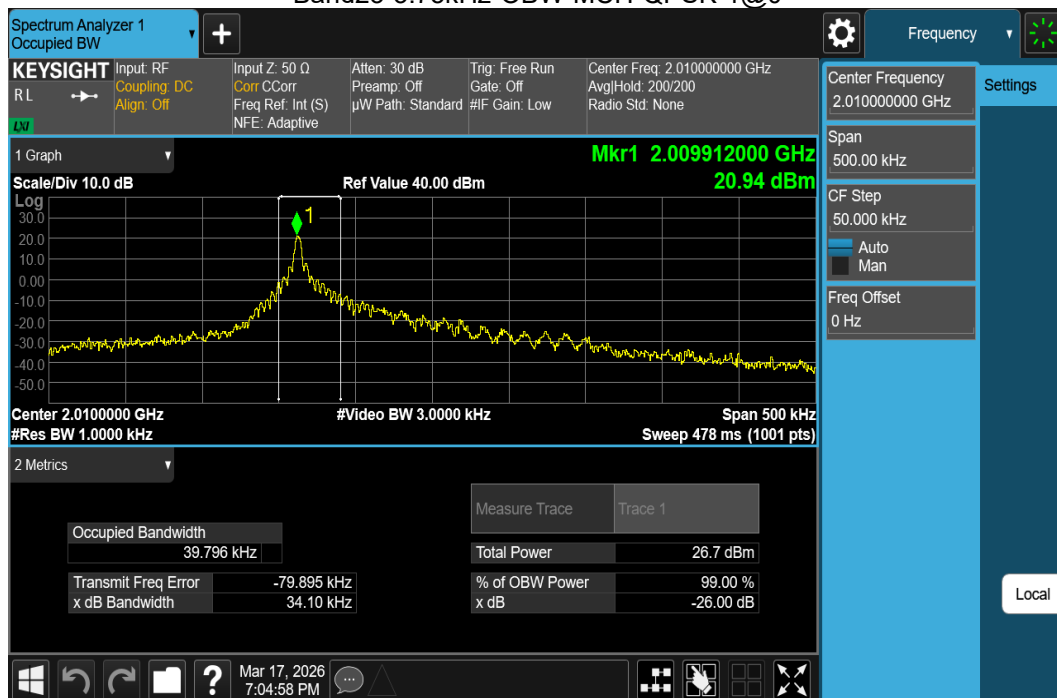
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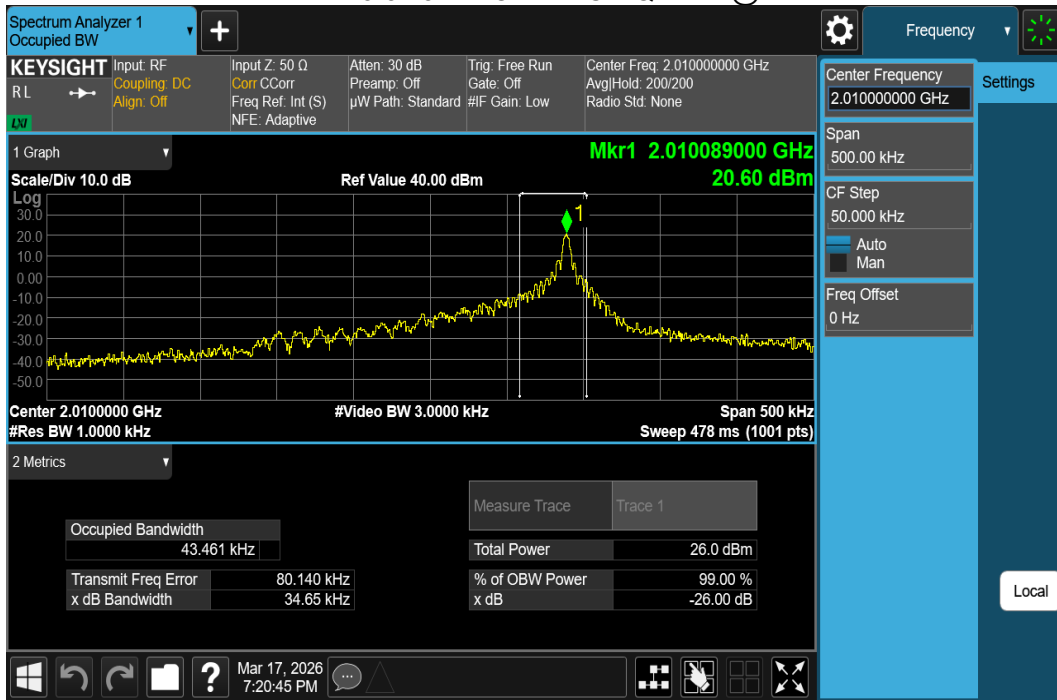
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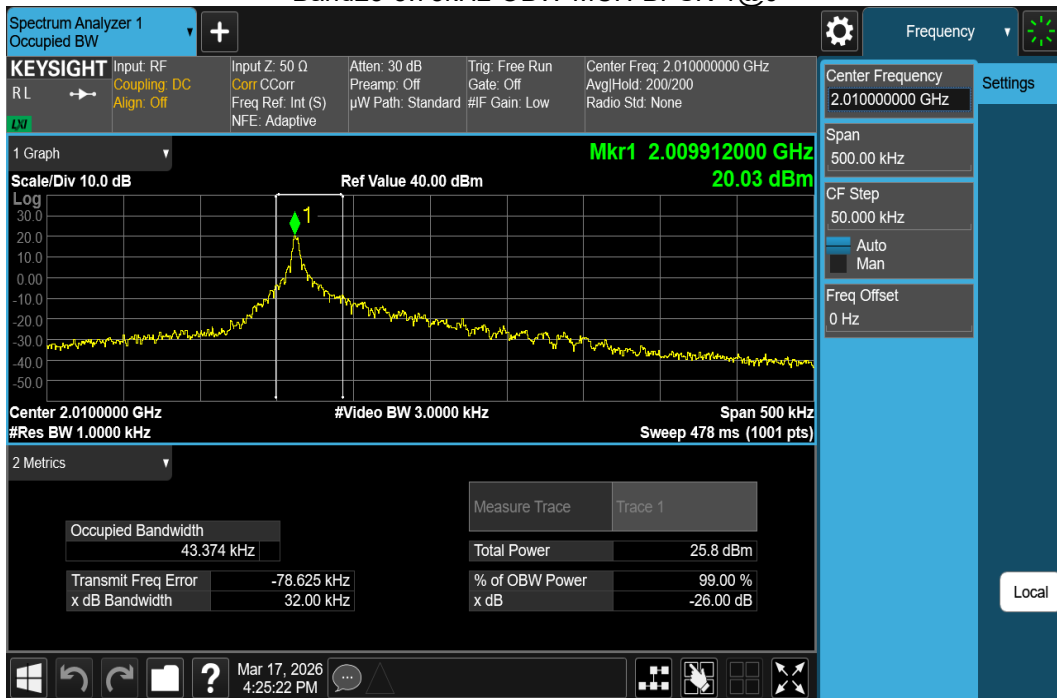
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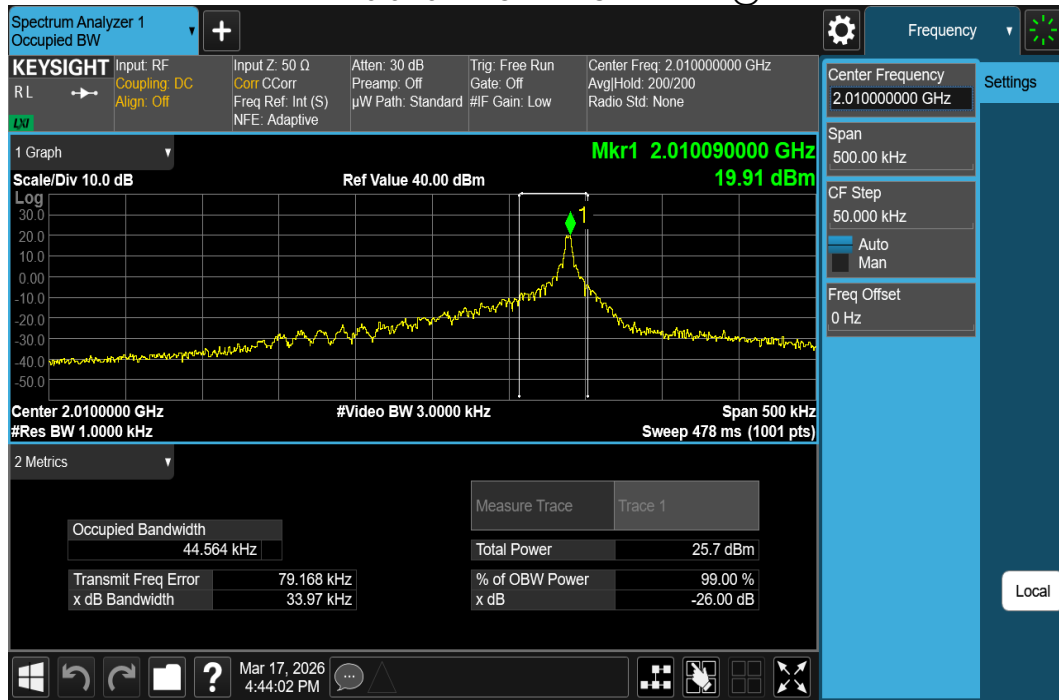
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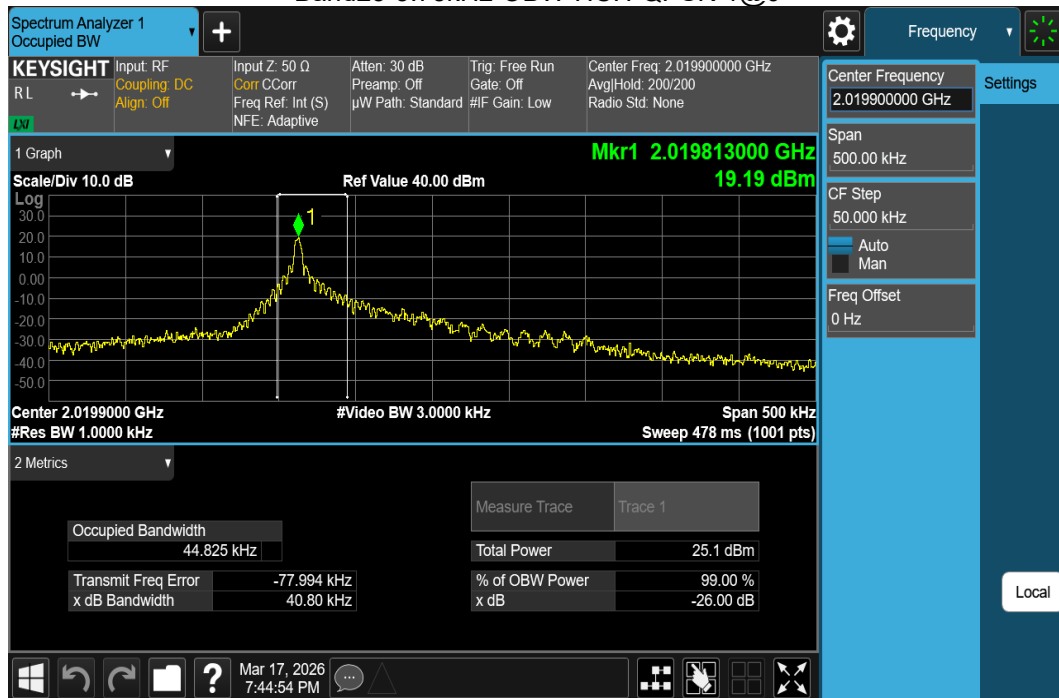
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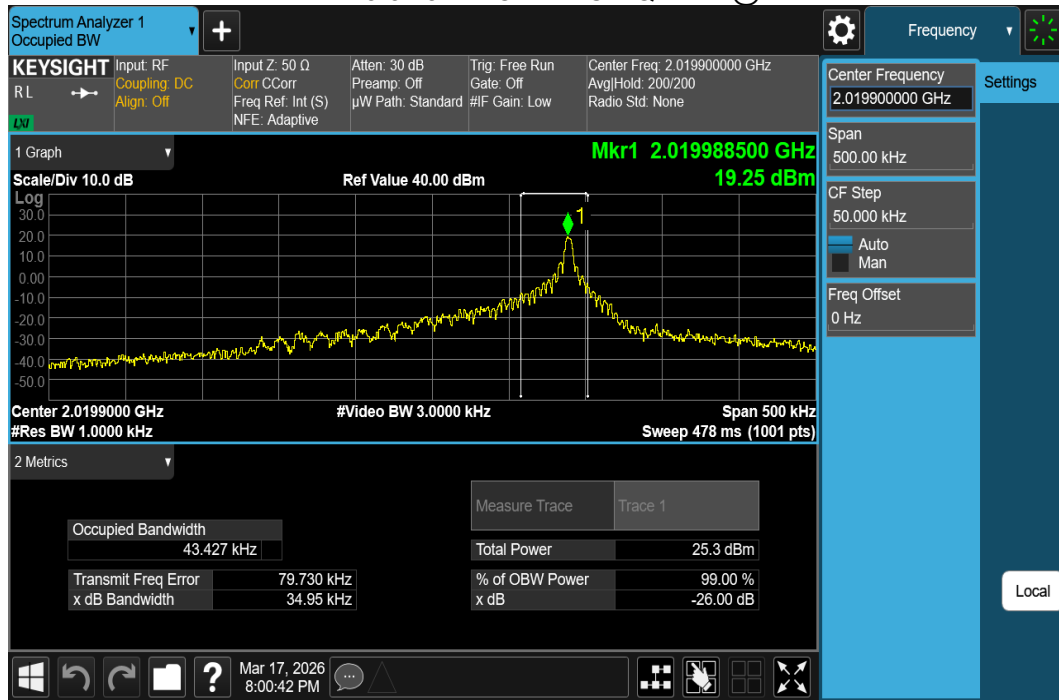
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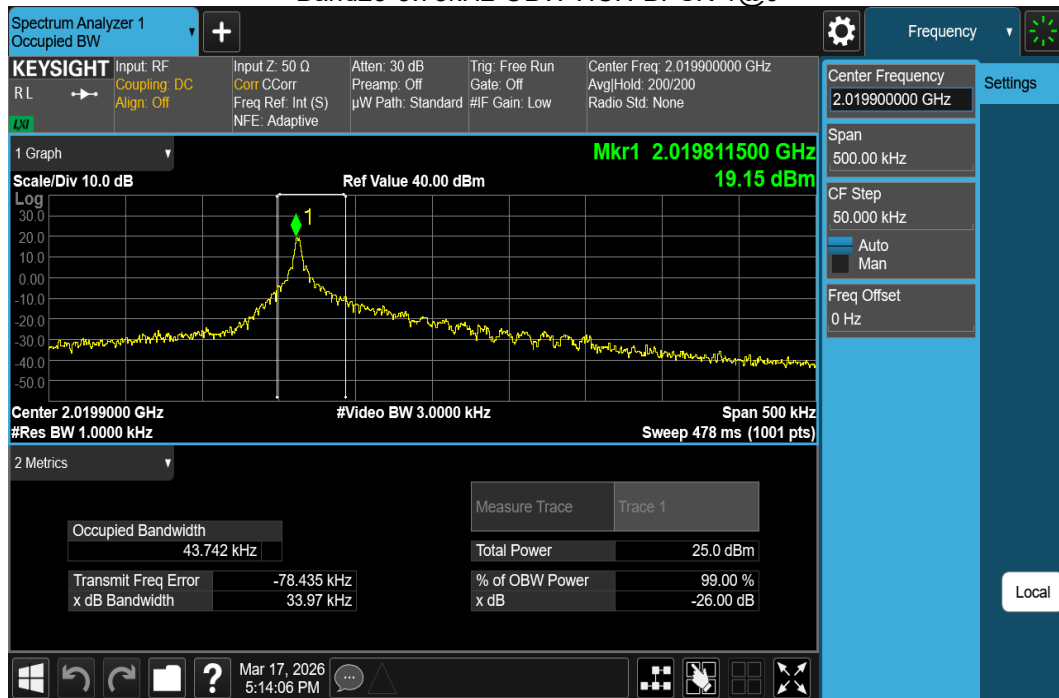
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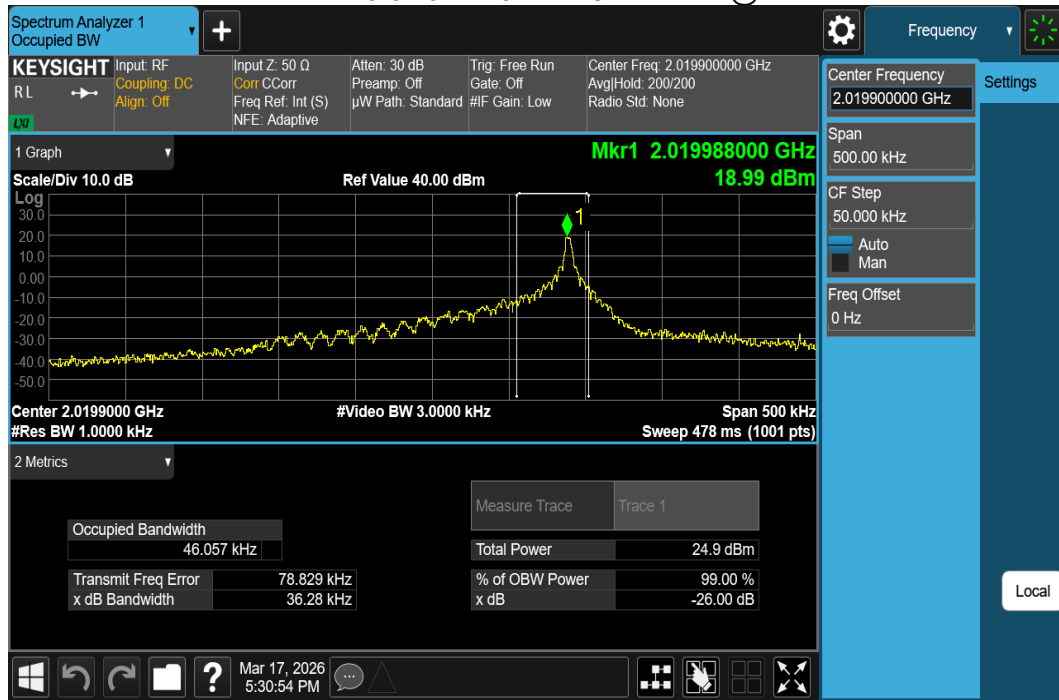
Band23-3.75kHz-OBW-HCH-QPSK-1@47



Band23-3.75kHz-OBW-HCH-BPSK-1@0

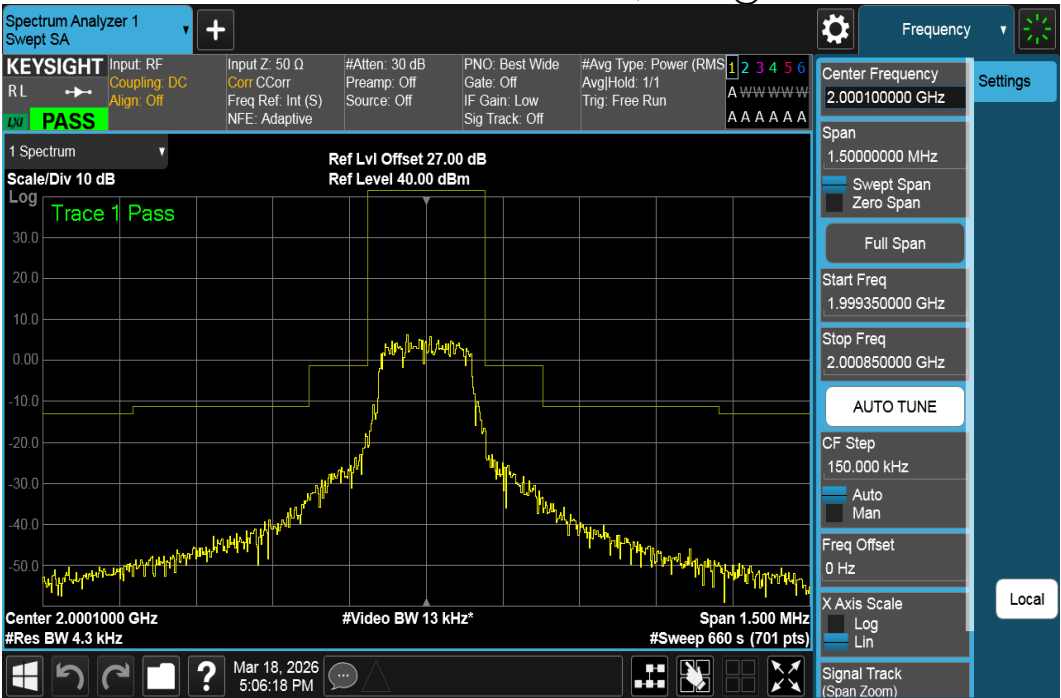


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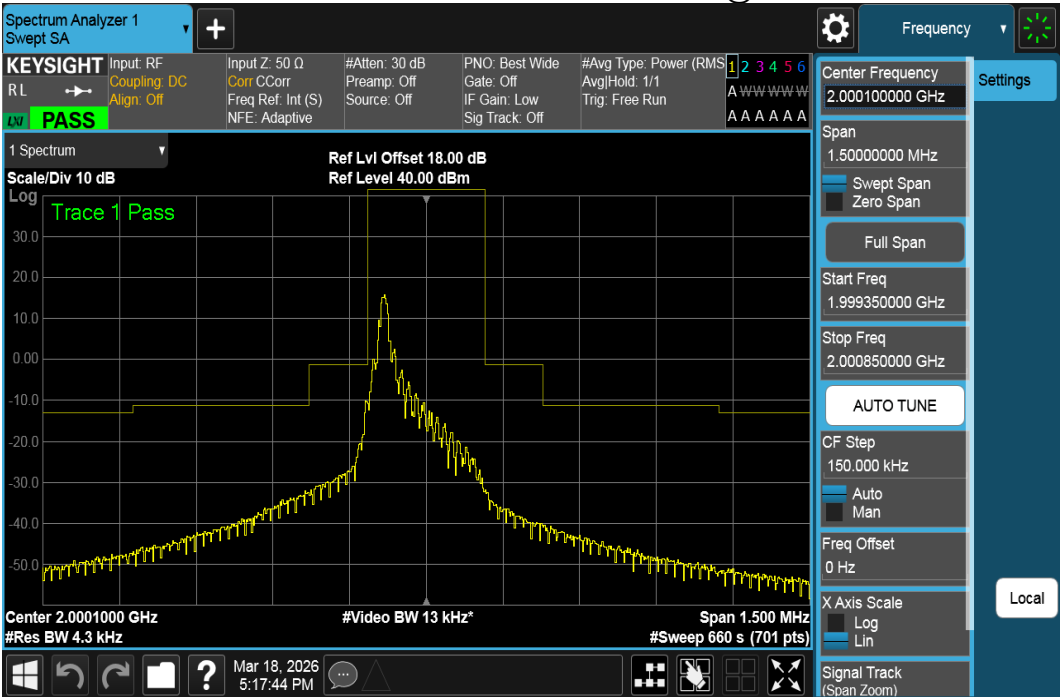


Emission mask test Graph

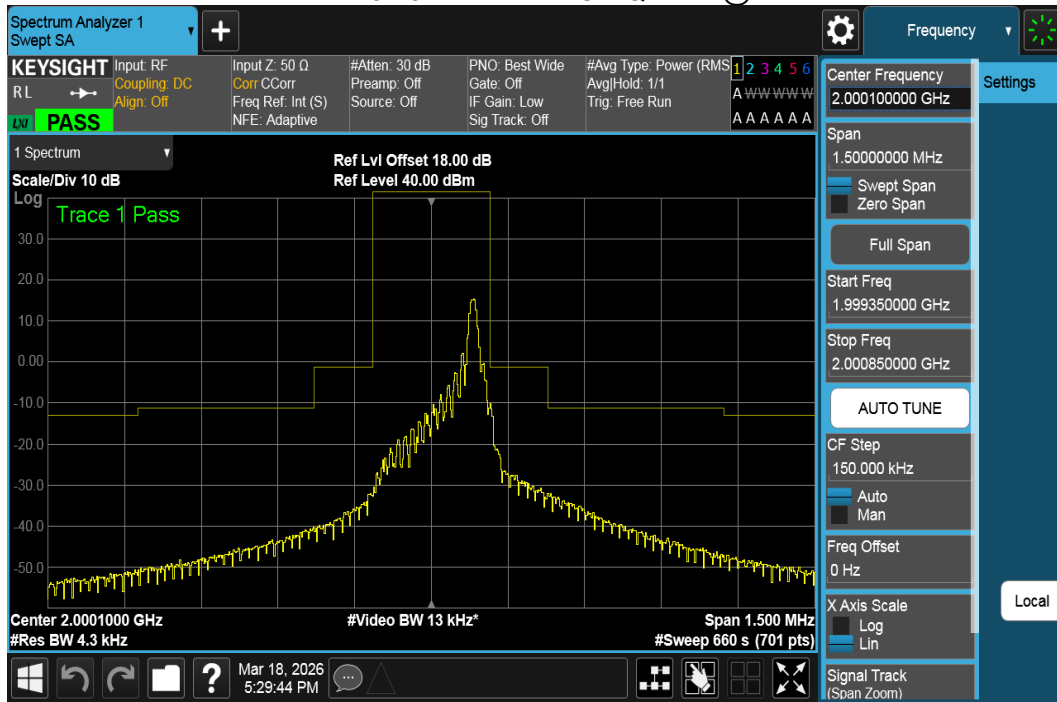
Band23-15kHz-MASK-LCH-QPSK-12@0



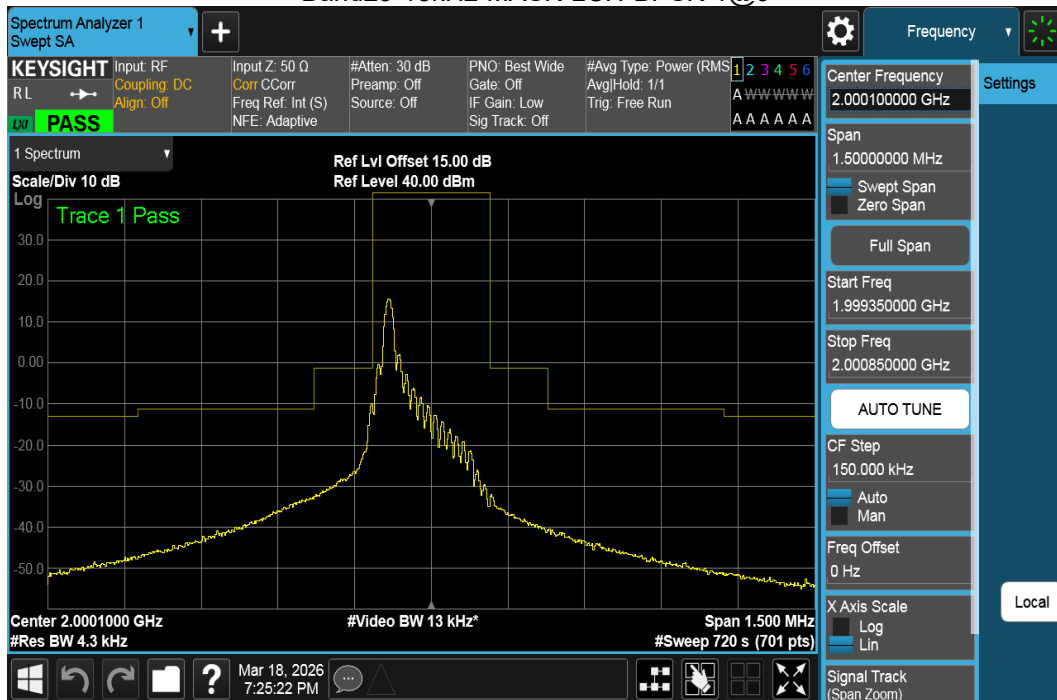
Band23-15kHz-MASK-LCH-QPSK-1@0



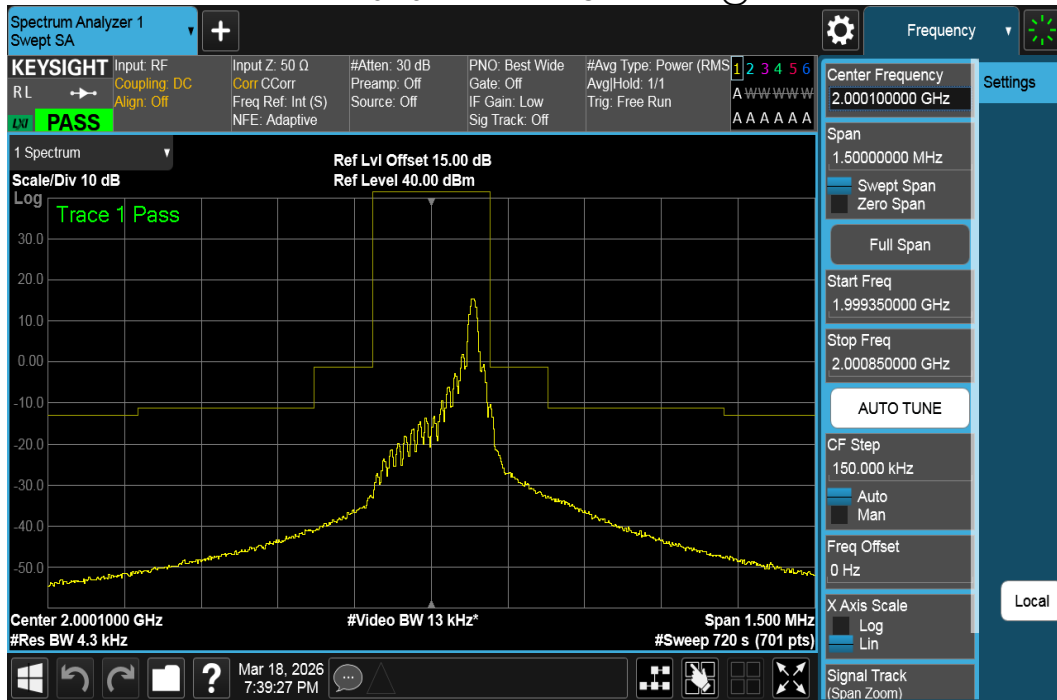
Band23-15kHz-MASK-LCH-QPSK-1@11



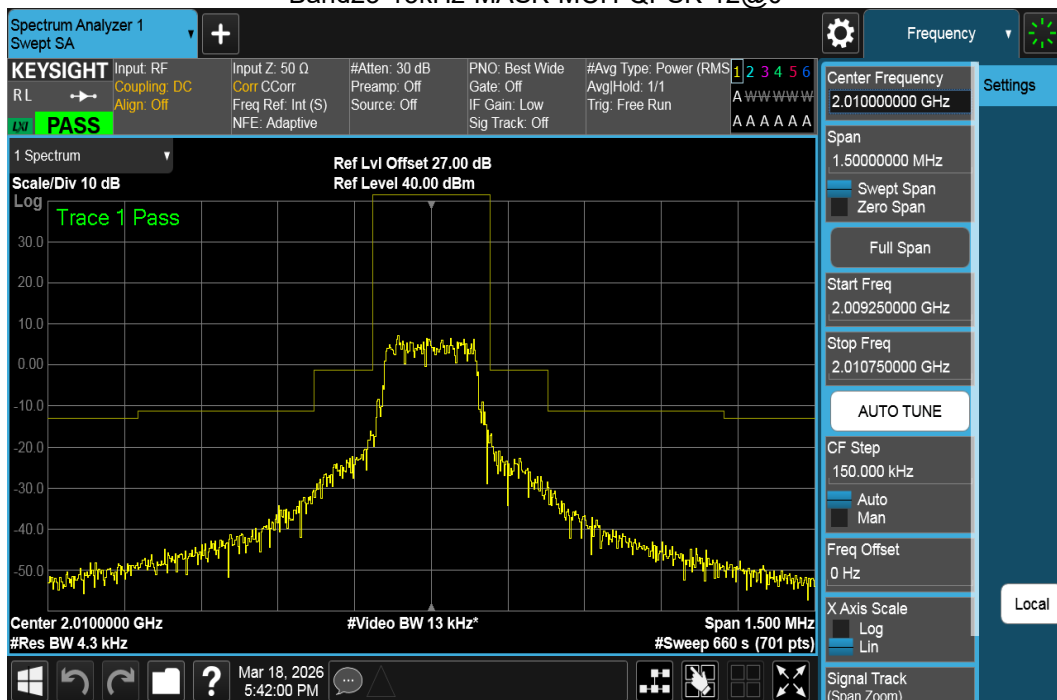
Band23-15kHz-MASK-LCH-BPSK-1@0



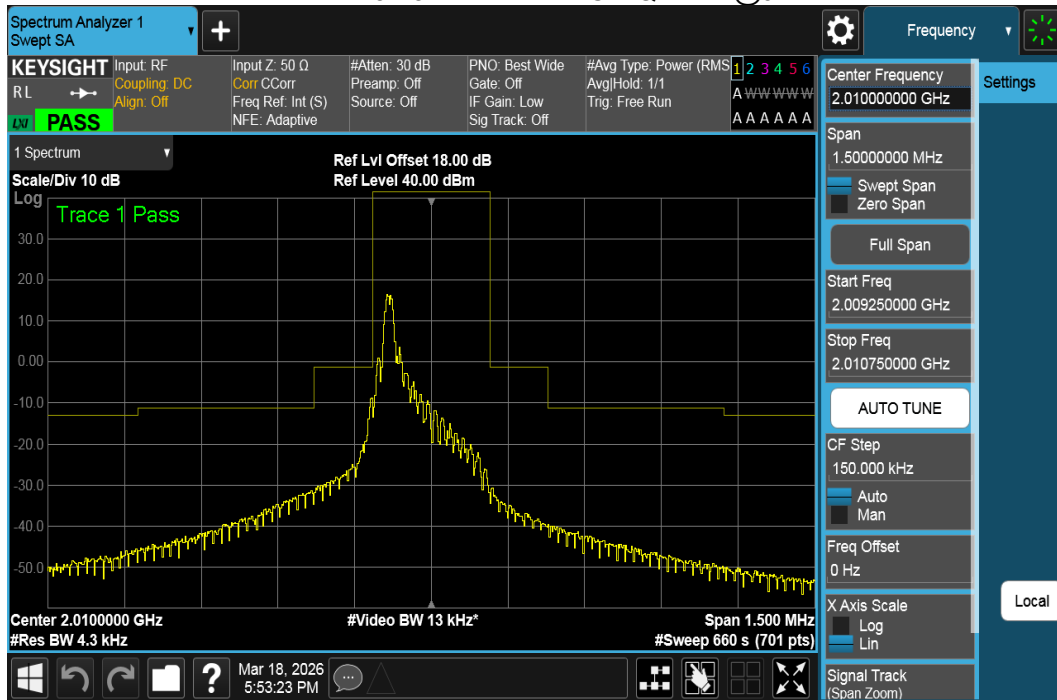
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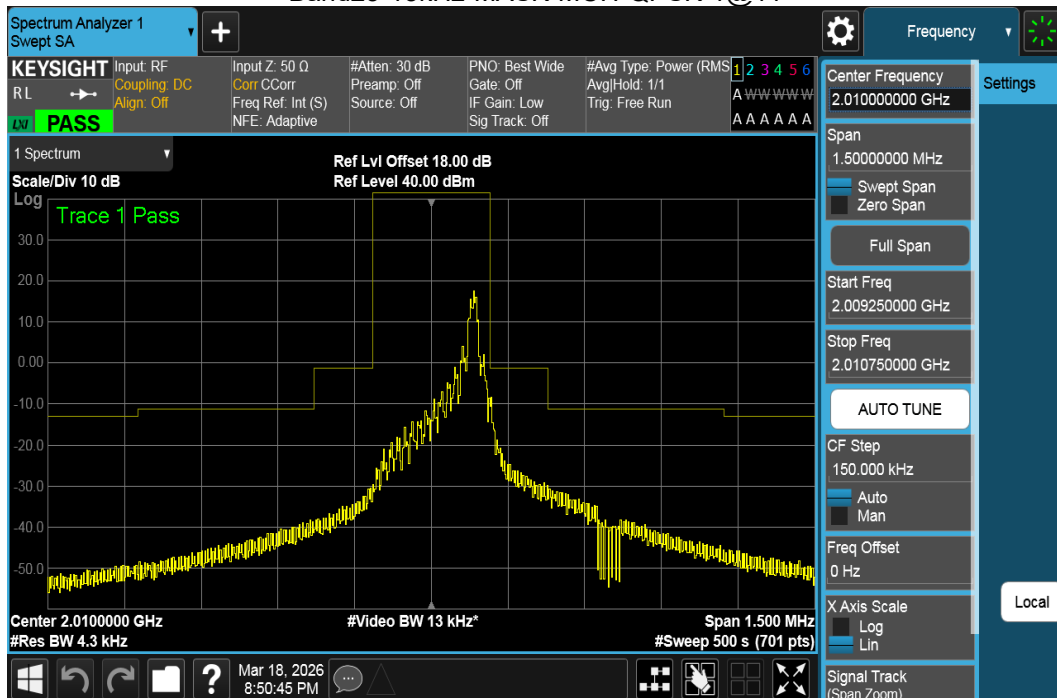
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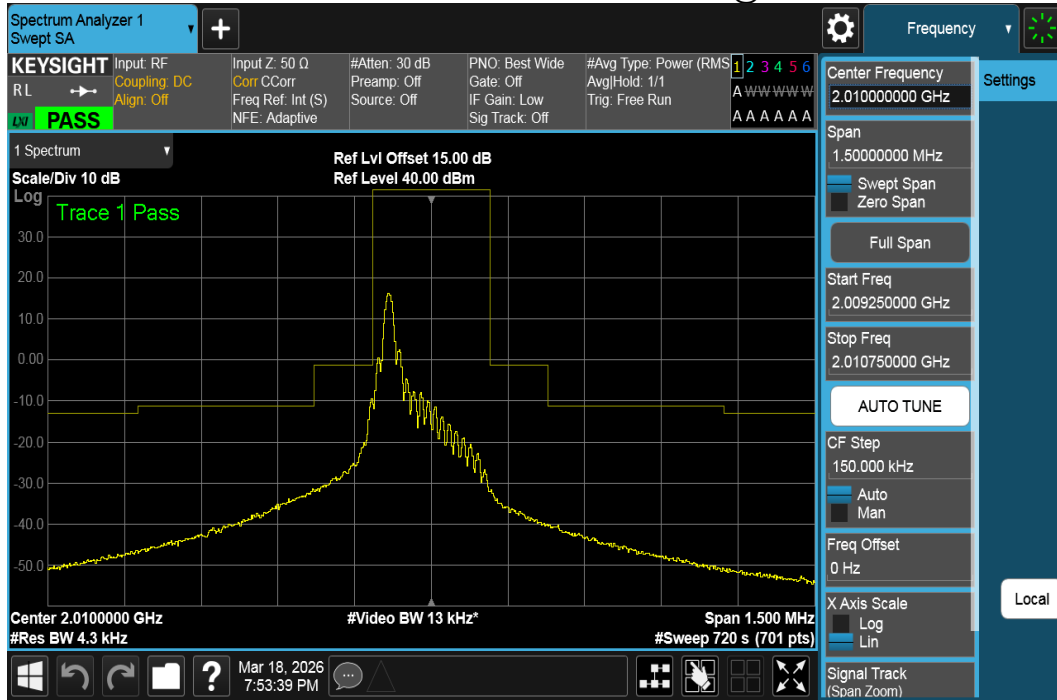
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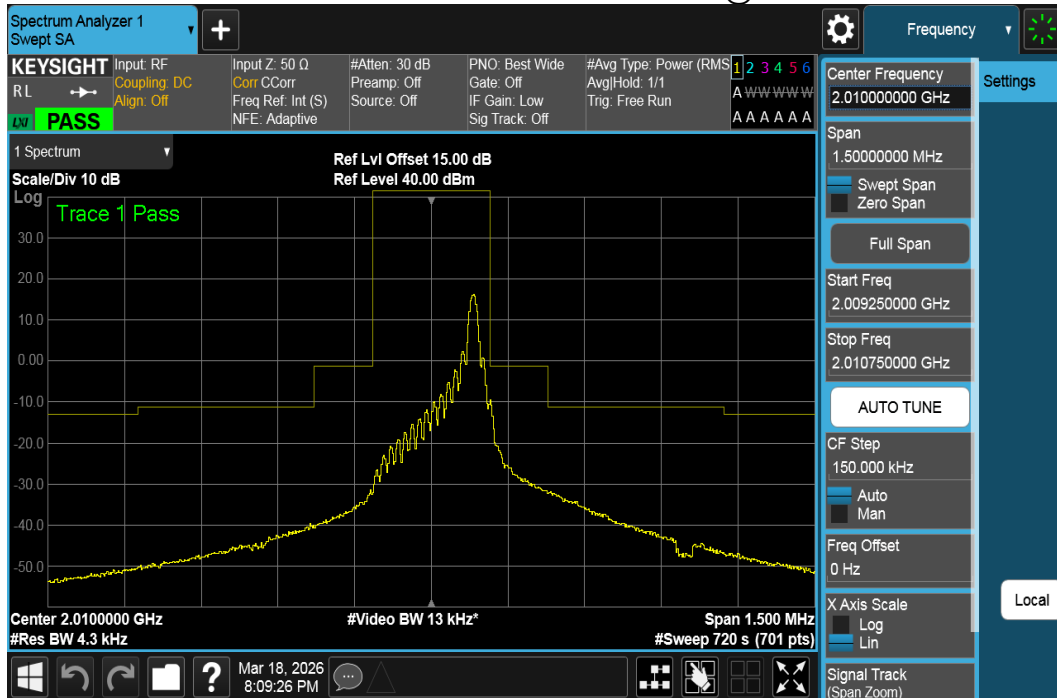
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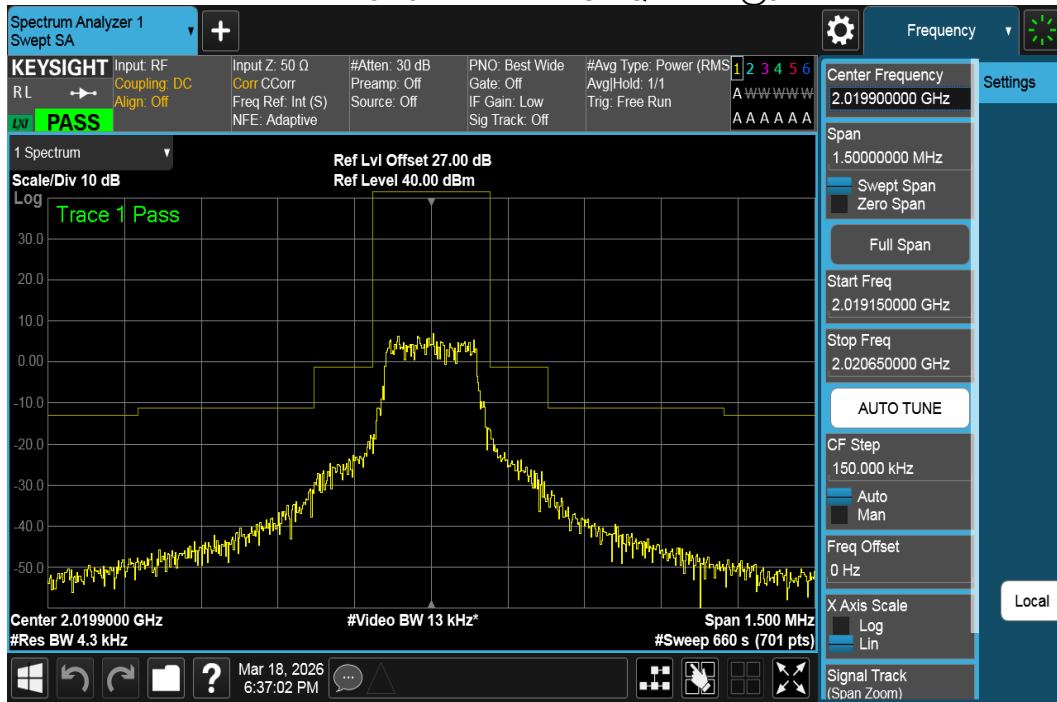
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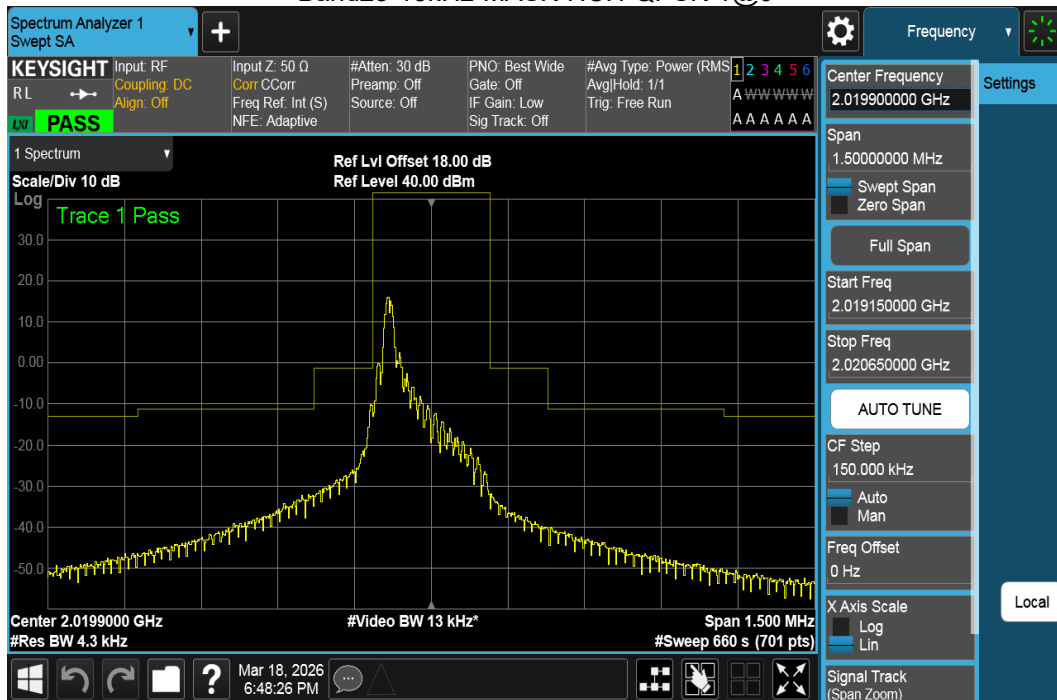
Band23-15kHz-MASK-MCH-BPSK-1@11



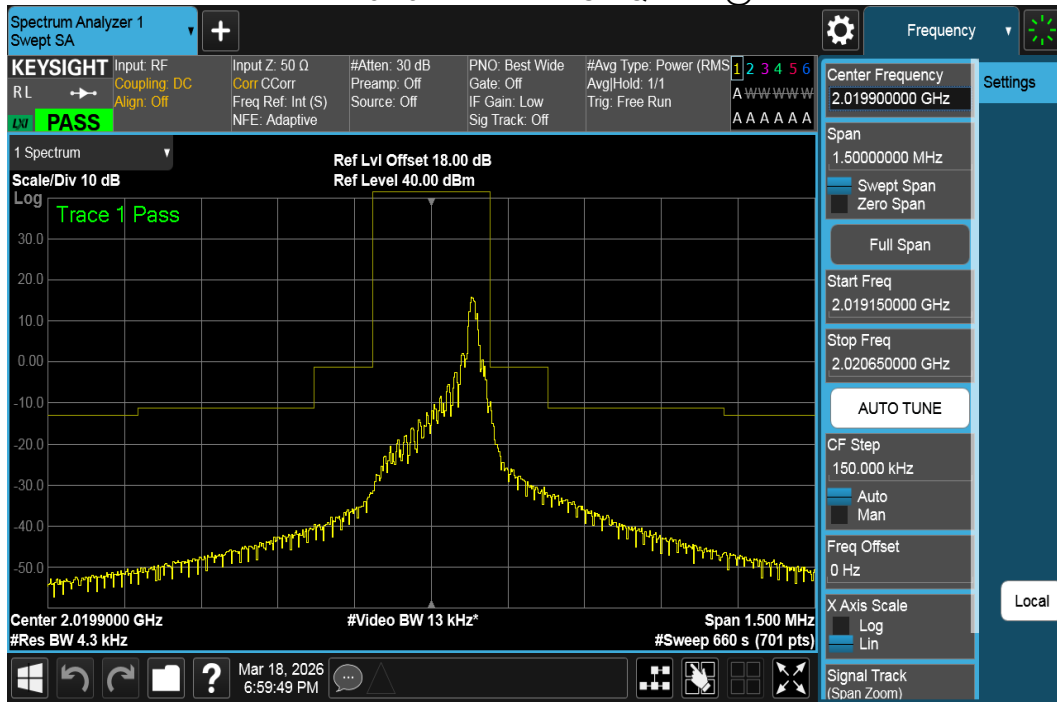
Band23-15kHz-MASK-HCH-QPSK-12@0



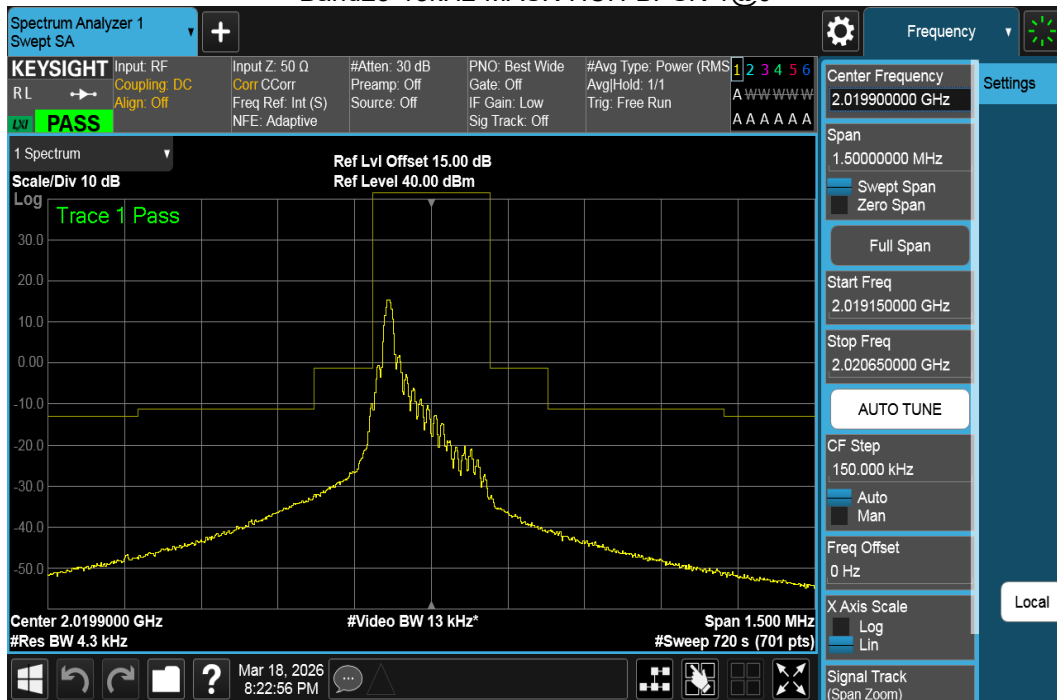
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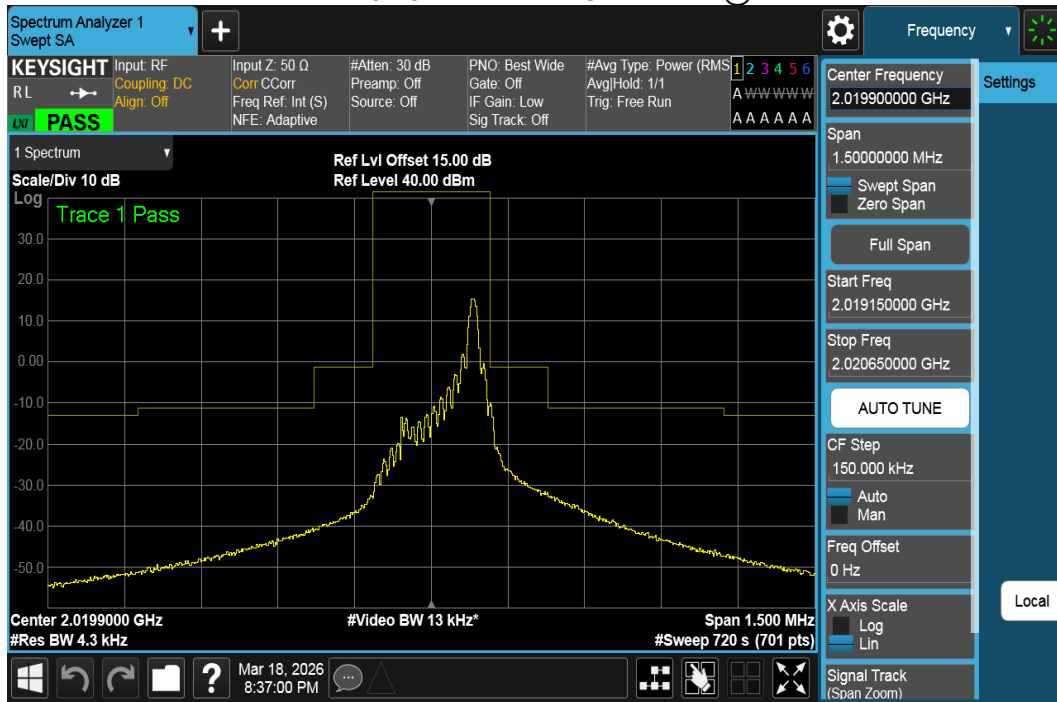
Band23-15kHz-MASK-HCH-QPSK-1@11



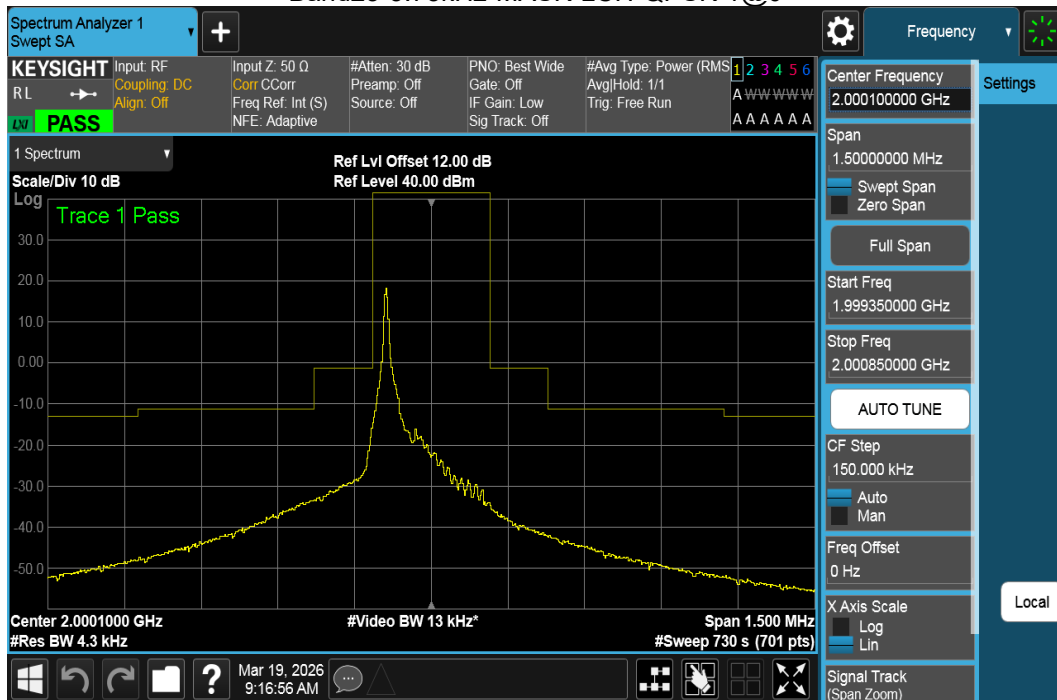
Band23-15kHz-MASK-HCH-BPSK-1@0



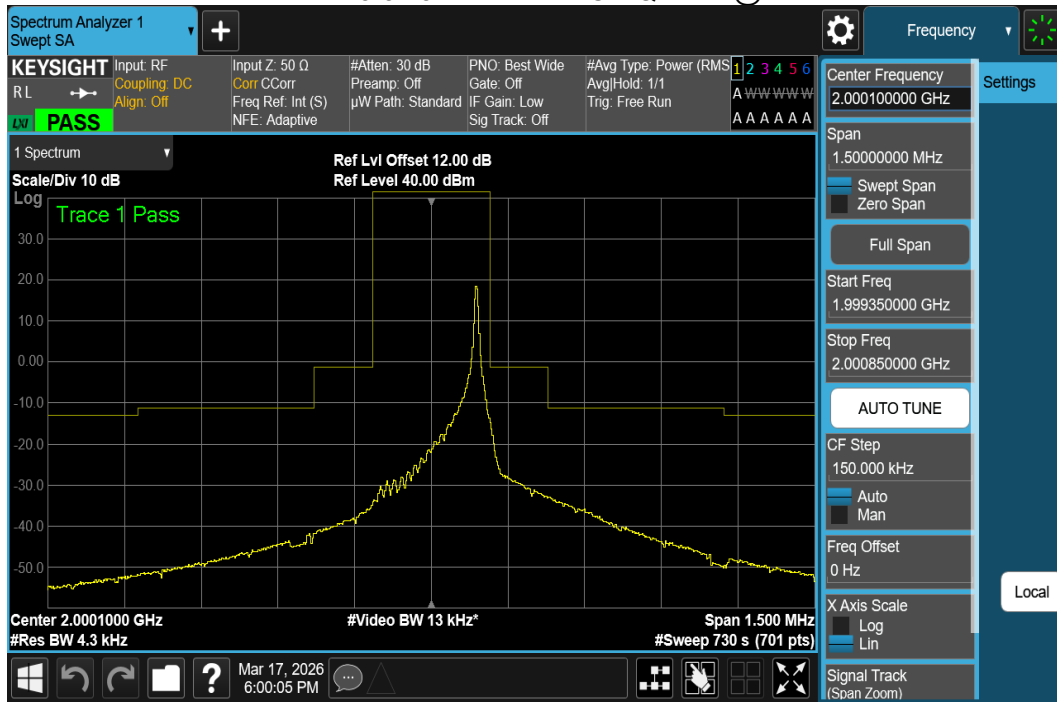
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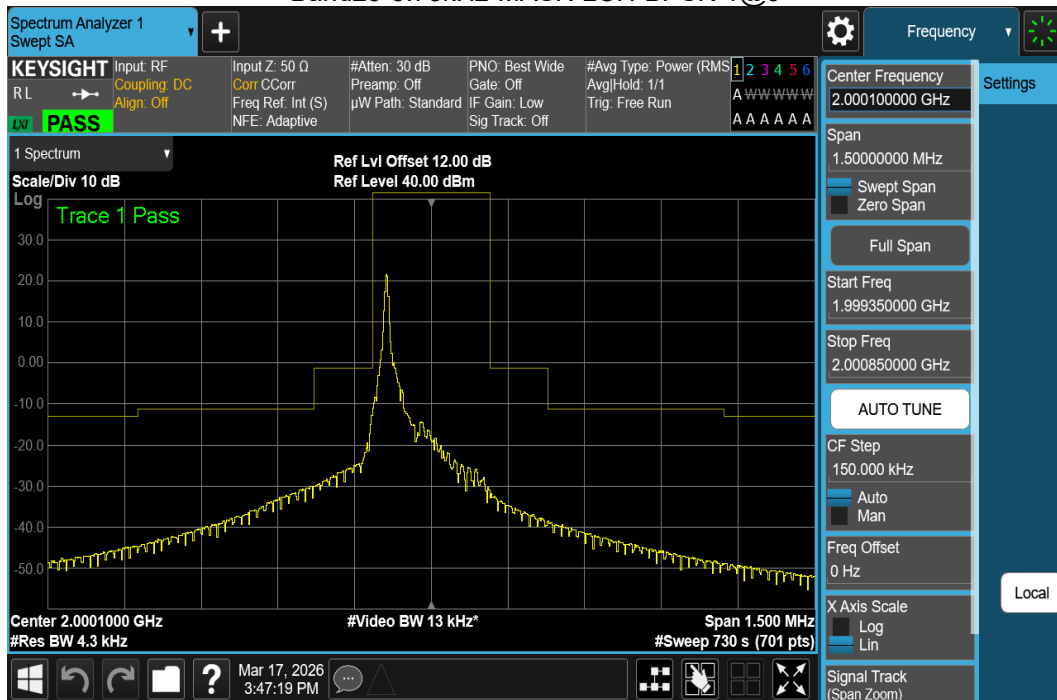
Band23-3.75kHz-MASK-LCH-QPSK-1@0



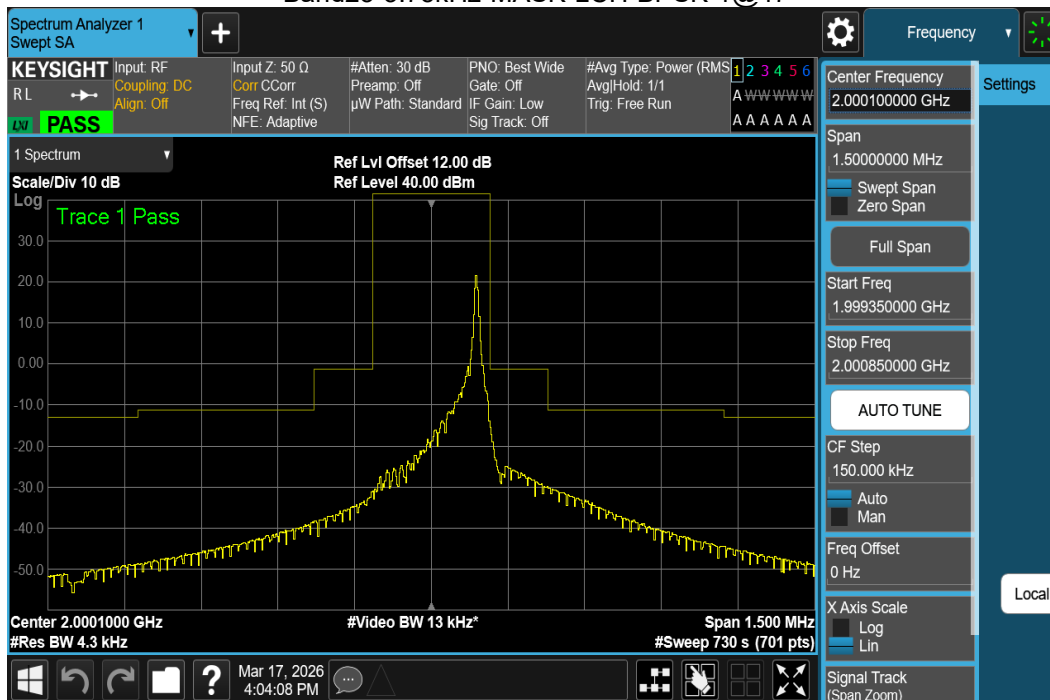
Band23-3.75kHz-MASK-LCH-QPSK-1@47



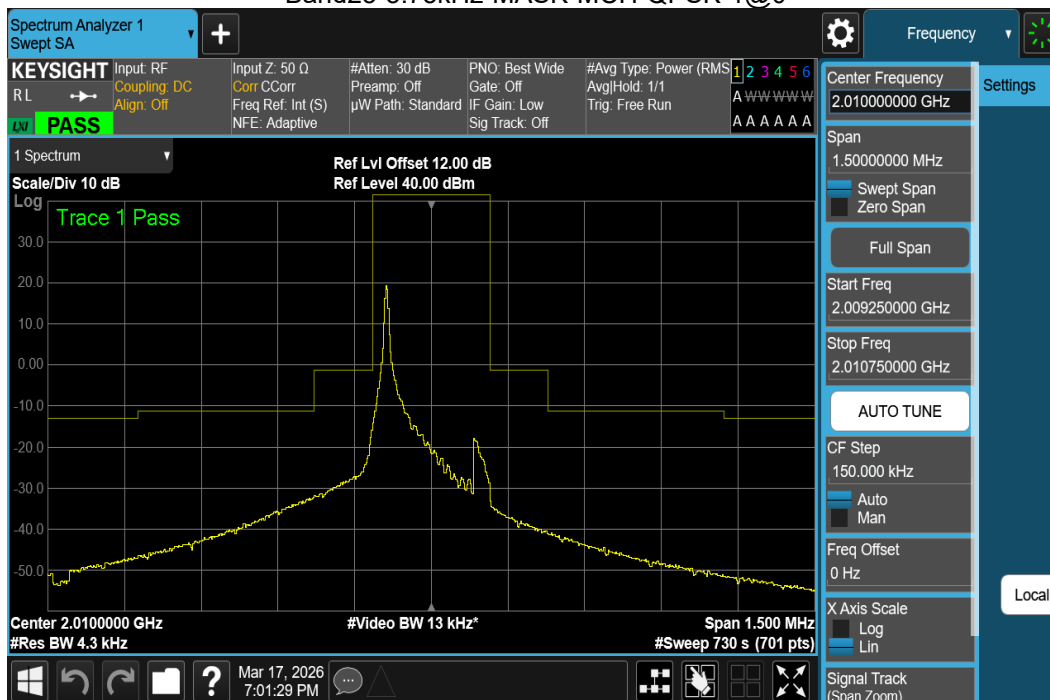
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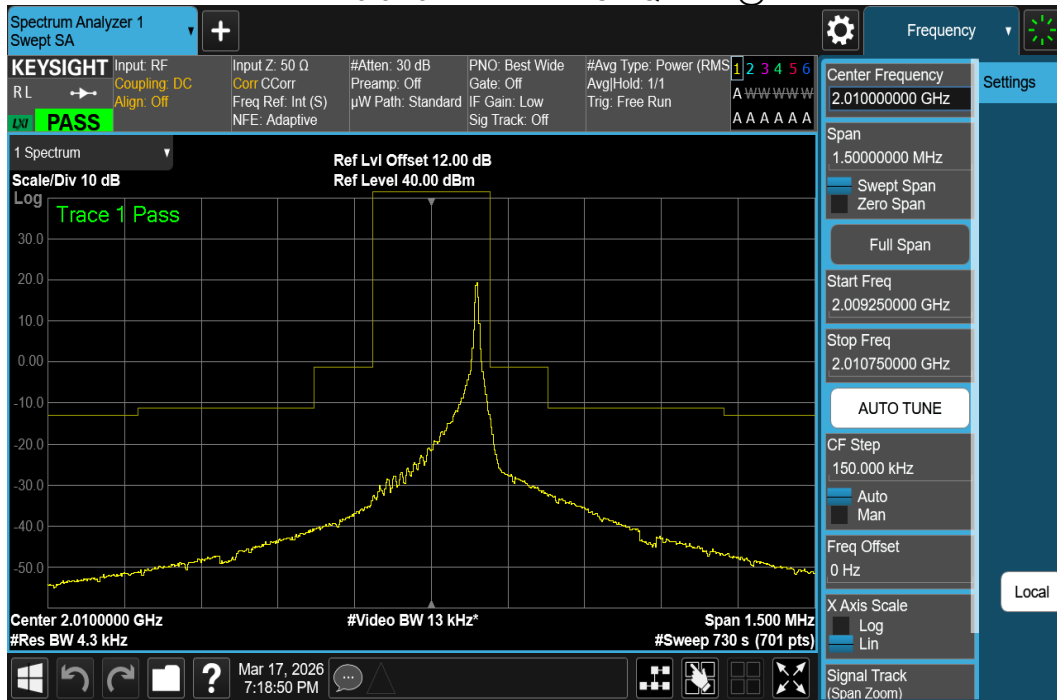
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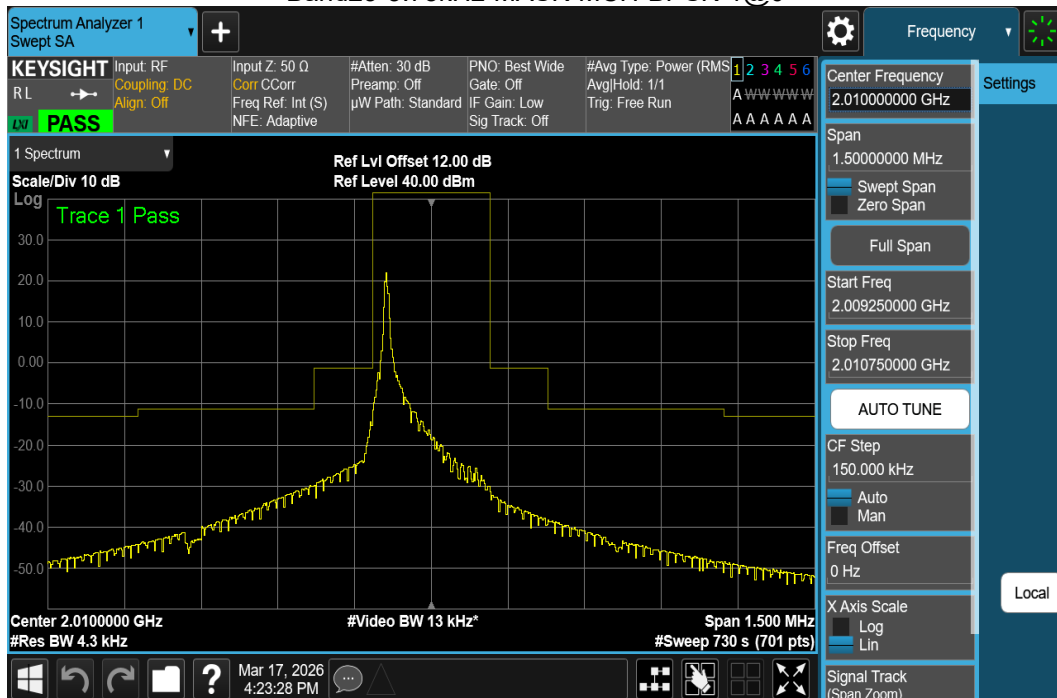
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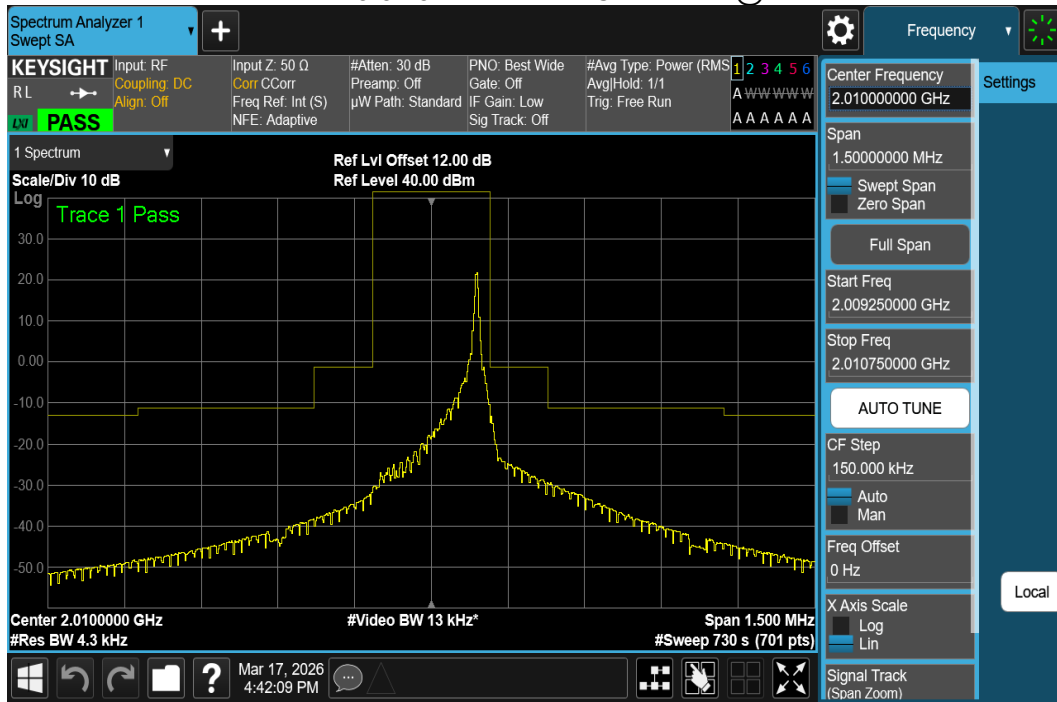
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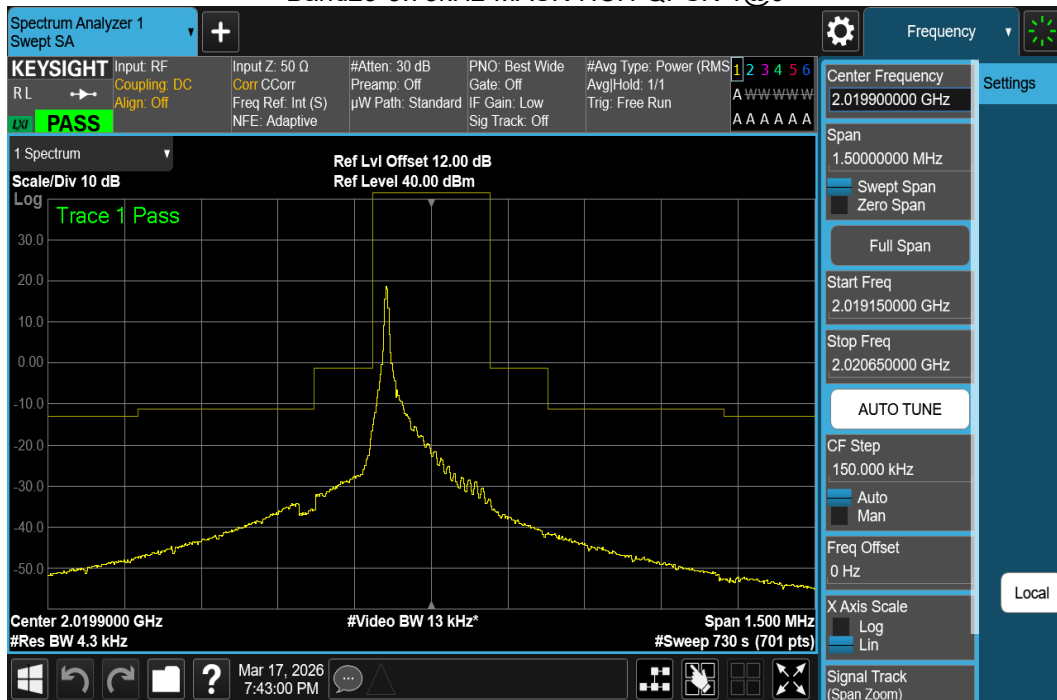
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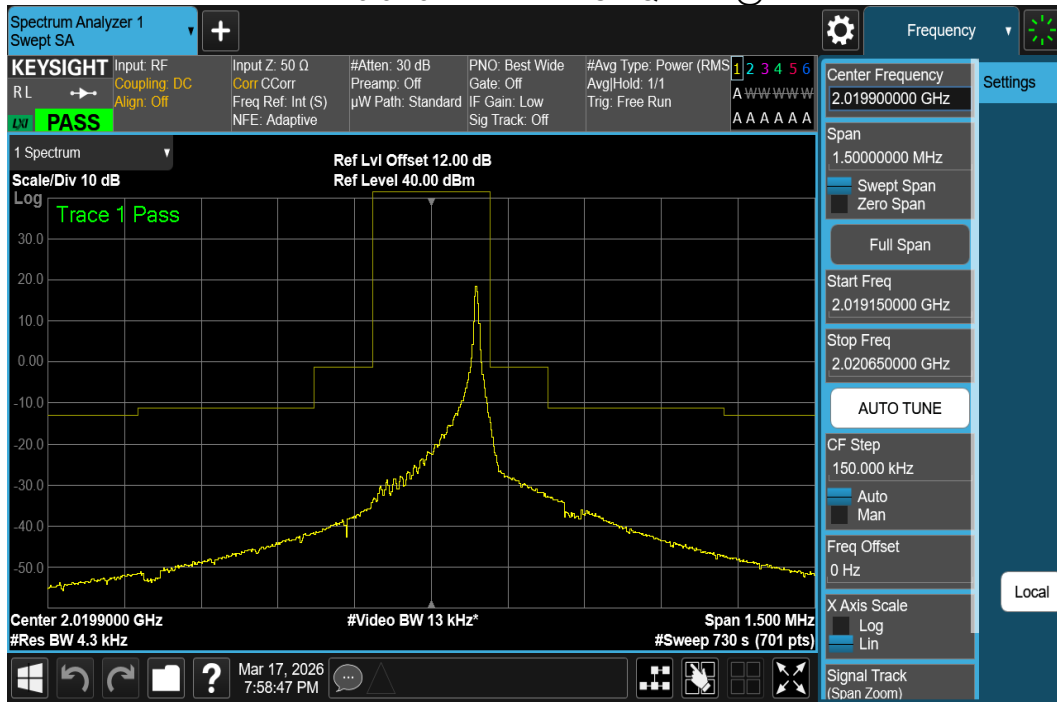
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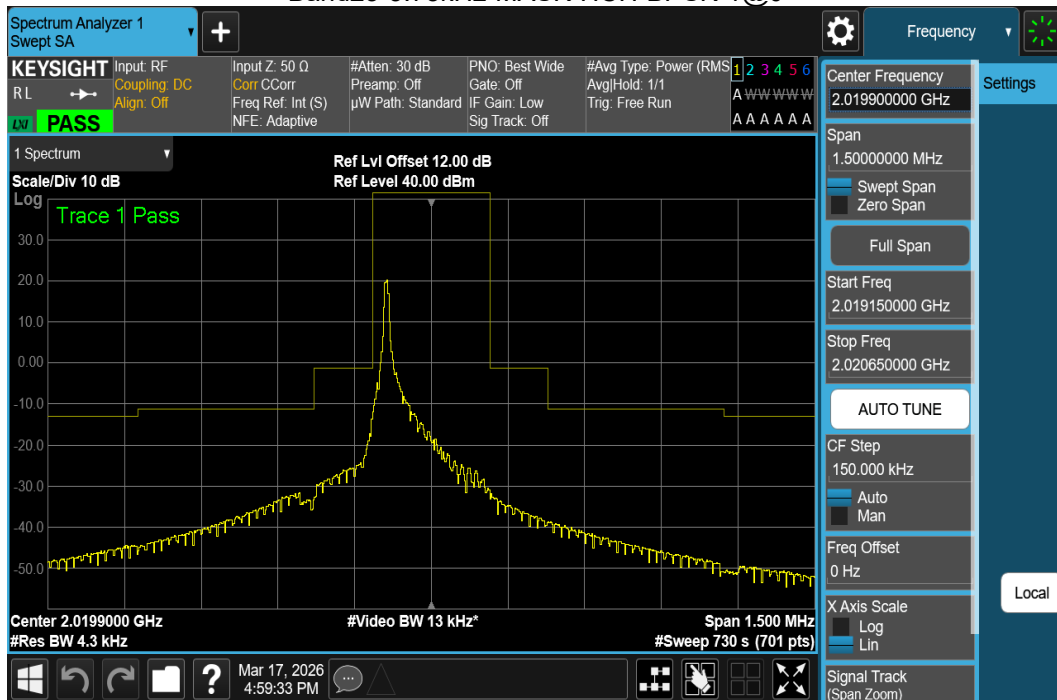
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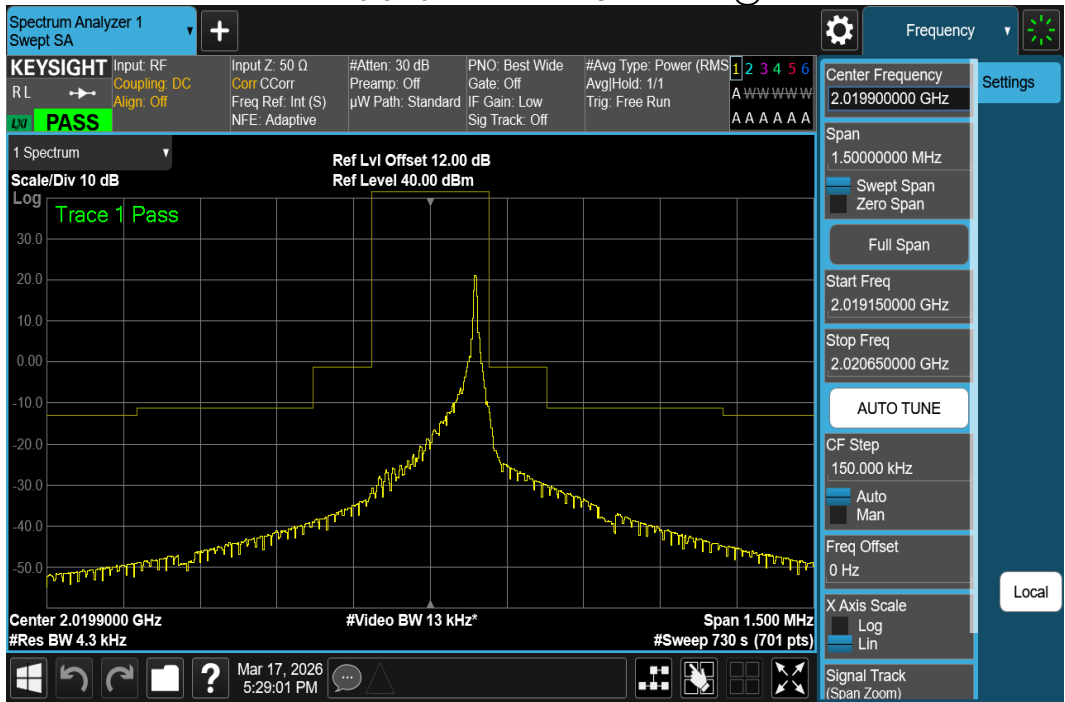
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Band23-3.75kHz-MASK-HCH-BPSK-1@0

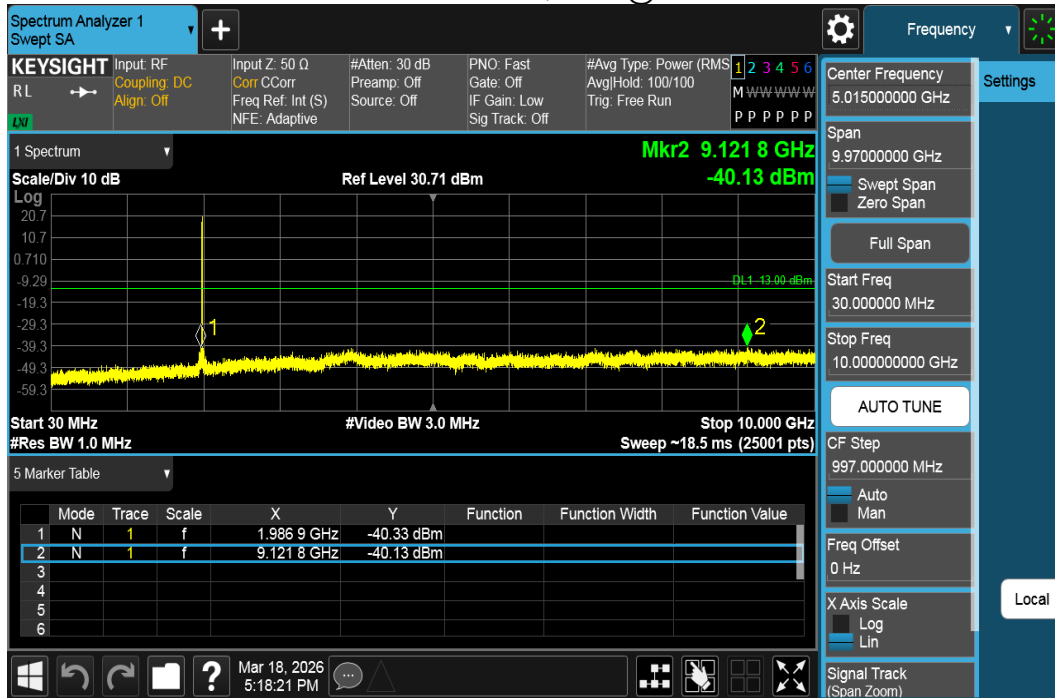


Band23-3.75kHz-MASK-HCH-BPSK-1@47



Conducted spurious emissions test graph

Band23-15kHz-CSE-LCH-QPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-LCH-QPSK-1@0-10GHz-22GHz

