

Effective (Isotropic) Radiated Power Output Data

Band 23 SCS 15kHz					
Modulation	Frequency(MHz)	Ntones	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)
QPSK	2000.1	12@0	23.25	3.70	26.95
QPSK		1@0	23.40	3.70	27.10
QPSK		1@11	23.33	3.70	27.03
BPSK		1@0	23.21	3.70	26.91
BPSK		1@11	23.44	3.70	27.14
QPSK	2010	12@0	23.05	3.70	26.75
QPSK		1@0	23.27	3.70	26.97
QPSK		1@11	23.25	3.70	26.95
BPSK		1@0	23.35	3.70	27.05
BPSK		1@11	23.26	3.70	26.96
QPSK	2019.9	12@0	23.17	3.70	26.87
QPSK		1@0	23.20	3.70	26.90
QPSK		1@11	23.25	3.70	26.95
BPSK		1@0	23.26	3.70	26.96
BPSK		1@11	23.25	3.70	26.95

Band 23 SCS 3.75kHz					
Modulation	Frequency(MHz)	Ntones	Conducted Power(dBm)	Antenna Gain(dBi)	EIRP (dBm)
QPSK	2000.1	1@0	23.31	3.70	27.01
QPSK		1@47	22.97	3.70	26.67
BPSK		1@0	23.10	3.70	26.80
BPSK		1@47	22.81	3.70	26.51
QPSK	2010	1@0	23.22	3.70	26.92
QPSK		1@47	23.24	3.70	26.94
BPSK		1@0	23.06	3.70	26.76
BPSK		1@47	22.89	3.70	26.59
QPSK	2019.9	1@0	23.02	3.70	26.72
QPSK		1@47	23.35	3.70	27.05
BPSK		1@0	23.27	3.70	26.97
BPSK		1@47	23.14	3.70	26.84

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	190.49	251.4	/	Pass
QPSK		1@0	68.437	90.05	/	Pass
QPSK		1@11	74.656	102.7	/	Pass
BPSK		1@0	71.582	86.83	/	Pass
BPSK		1@11	73.28	90.48	/	Pass
QPSK	Middle CH	12@0	186.79	263.8	/	Pass
QPSK		1@0	72.997	103.4	/	Pass
QPSK		1@11	72.374	89.72	/	Pass
BPSK		1@0	73.584	90.49	/	Pass
BPSK		1@11	74.575	92.77	/	Pass
QPSK	High CH	12@0	185.16	240.9	/	Pass
QPSK		1@0	74.922	104.1	/	Pass
QPSK		1@11	69.895	90.95	/	Pass
BPSK		1@0	73.074	90.32	/	Pass
BPSK		1@11	70.037	91.0	/	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	27.77	28.77	/	Pass
QPSK		1@47	40.952	40.87	/	Pass
BPSK		1@0	27.595	28.78	/	Pass
BPSK		1@47	39.327	35.14	/	Pass
QPSK	Middle CH	1@0	40.716	40.39	/	Pass
QPSK		1@47	39.785	37.54	/	Pass
BPSK		1@0	39.312	34.88	/	Pass
BPSK		1@47	39.718	35.10	/	Pass
QPSK	High CH	1@0	40.468	41.12	/	Pass
QPSK		1@47	27.492	28.88	/	Pass
BPSK		1@0	39.795	35.0	/	Pass
BPSK		1@47	27.2	25.71	/	Pass

Test graph

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



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



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



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



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



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



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



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



Band23-15kHz-OBW-MCH-BPSK-1@0



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



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



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



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



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



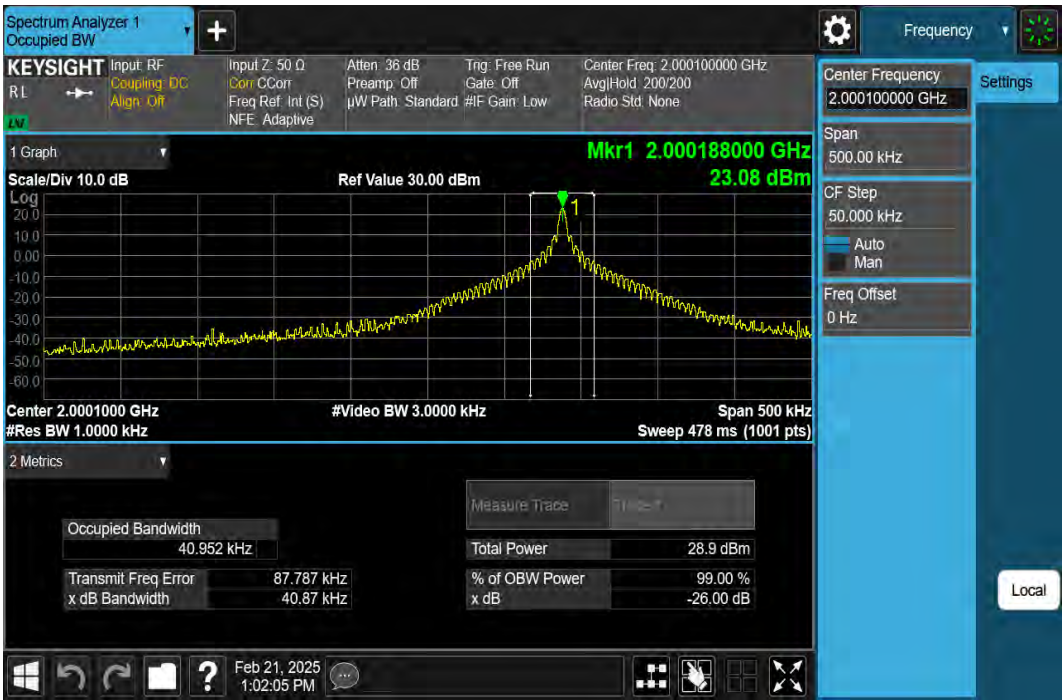
Band23-15kHz-OBW-HCH-BPSK-1@11



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



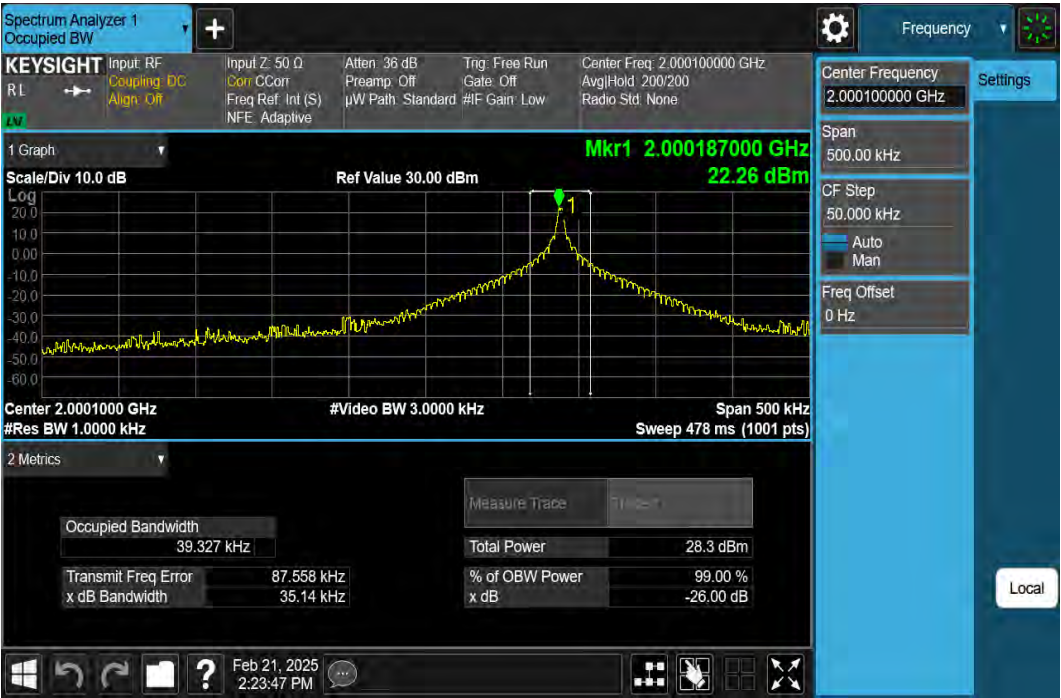
Band23-3.75kHz-OBW-LCH-QPSK-1@47



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



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



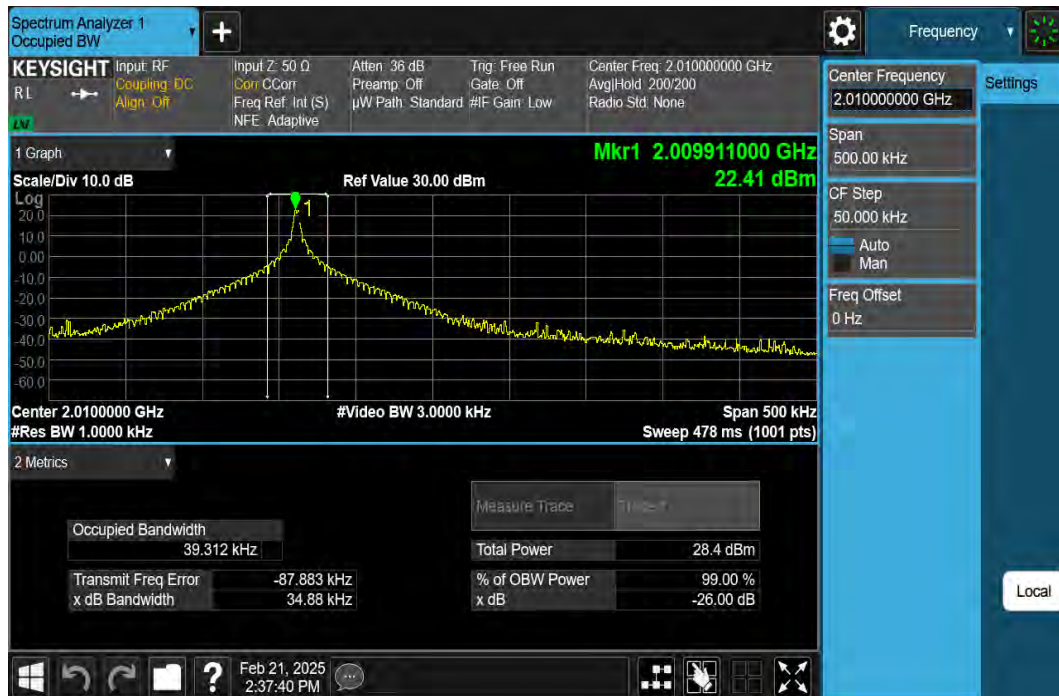
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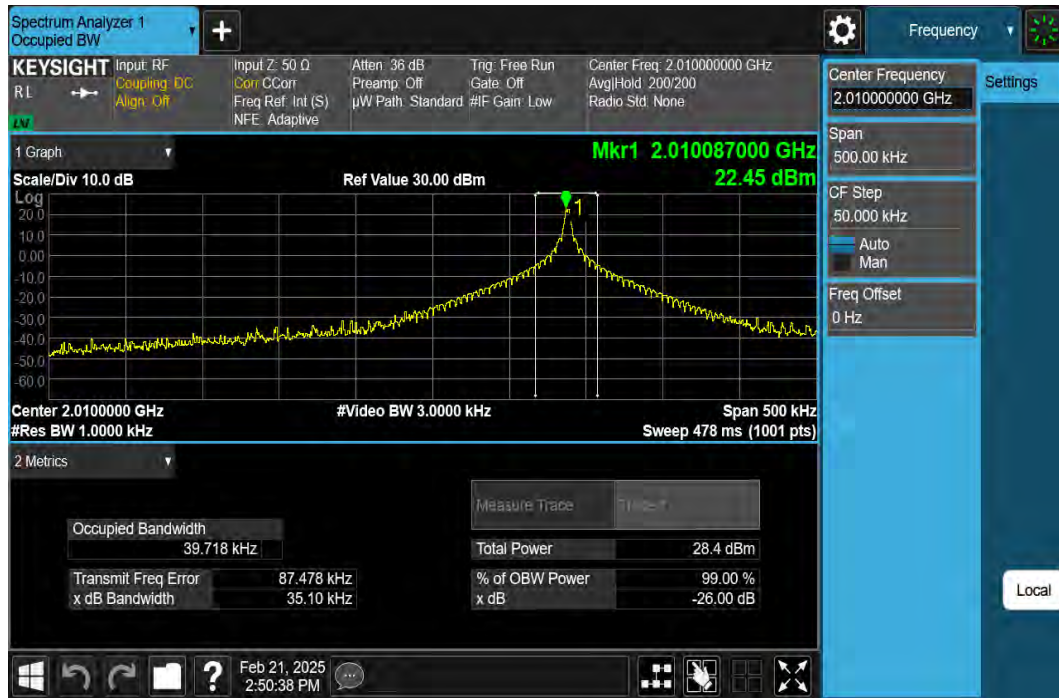
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Band23-3.75kHz-OBW-MCH-BPSK-1@0



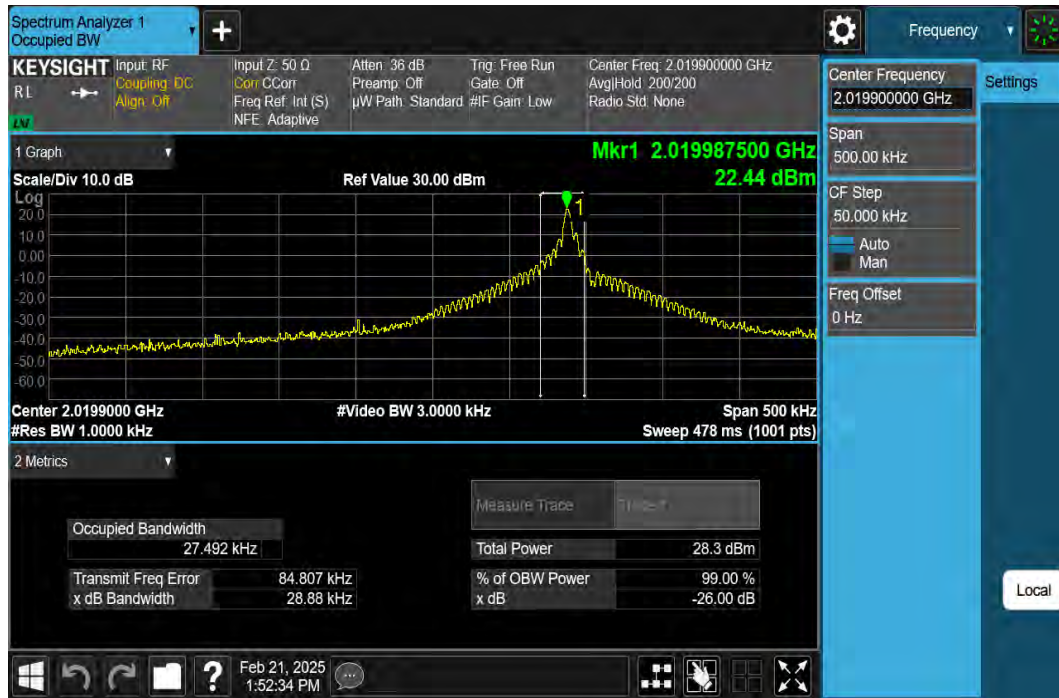
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Band23-3.75kHz-OBW-HCH-QPSK-1@0



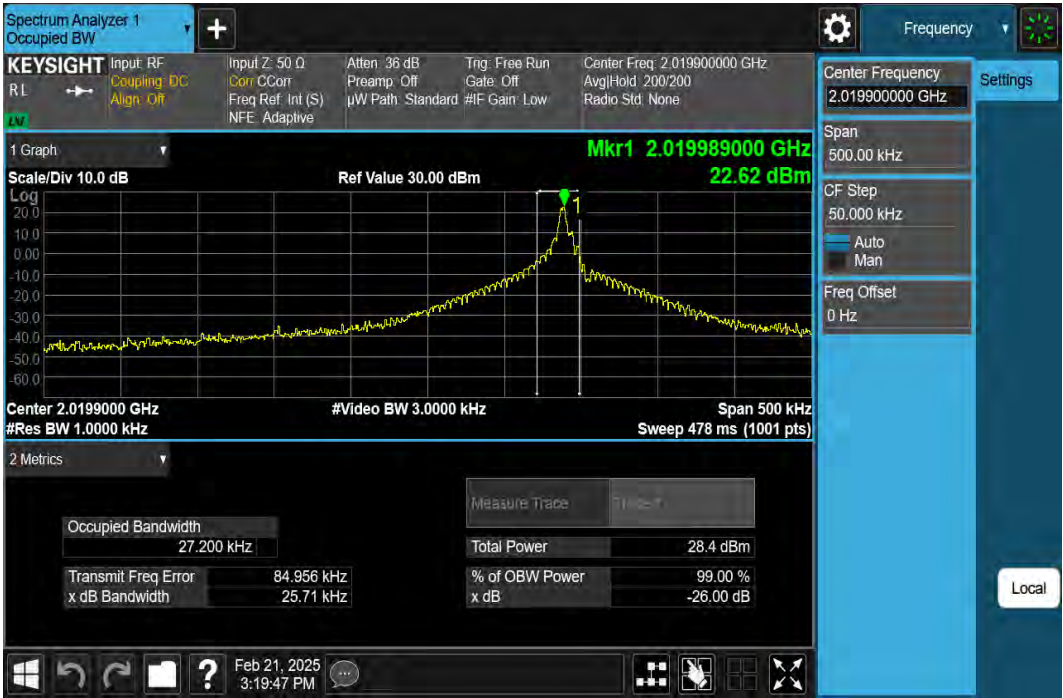
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Band23-3.75kHz-OBW-HCH-BPSK-1@0

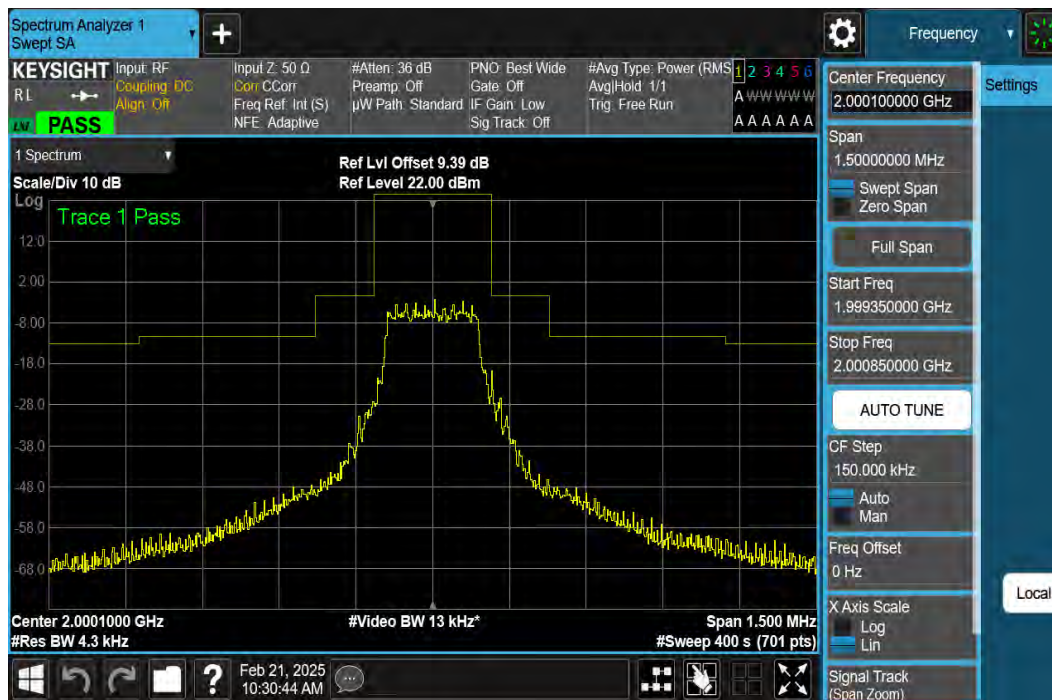


Band23-3.75kHz-OBW-HCH-BPSK-1@47



Emission mask test graph

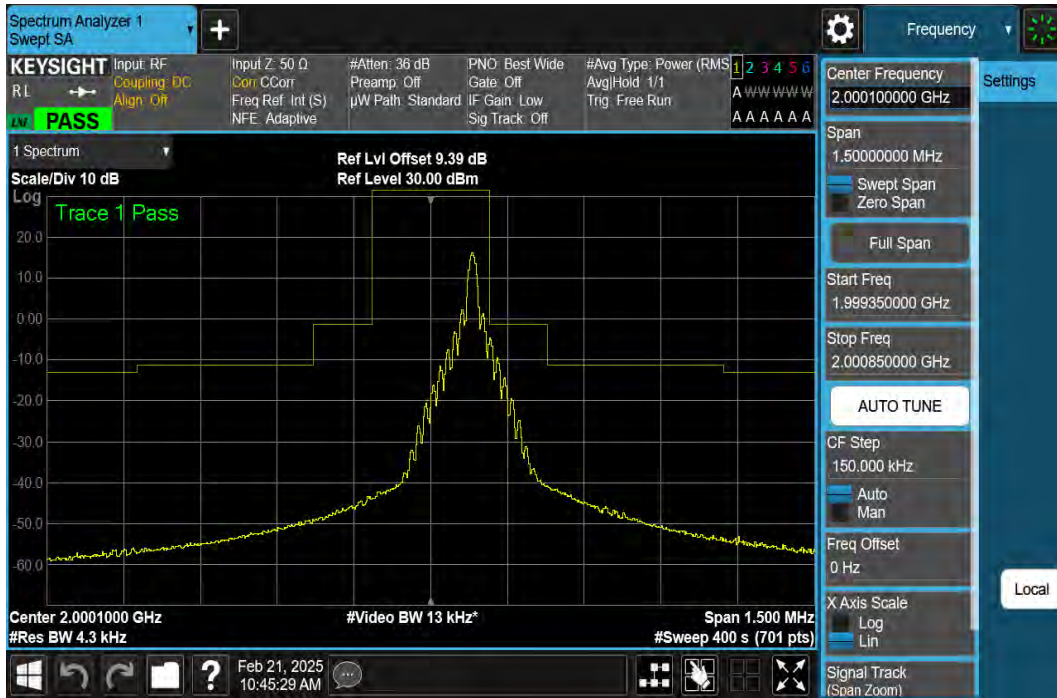
Band23-15kHz-MASK-LCH-QPSK-12@0



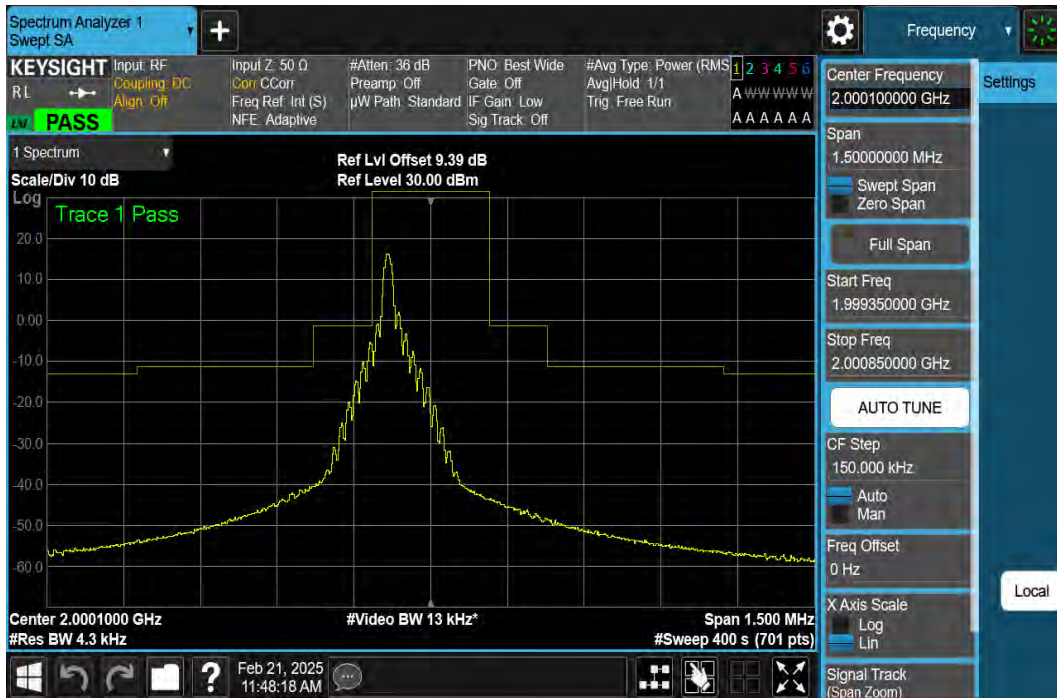
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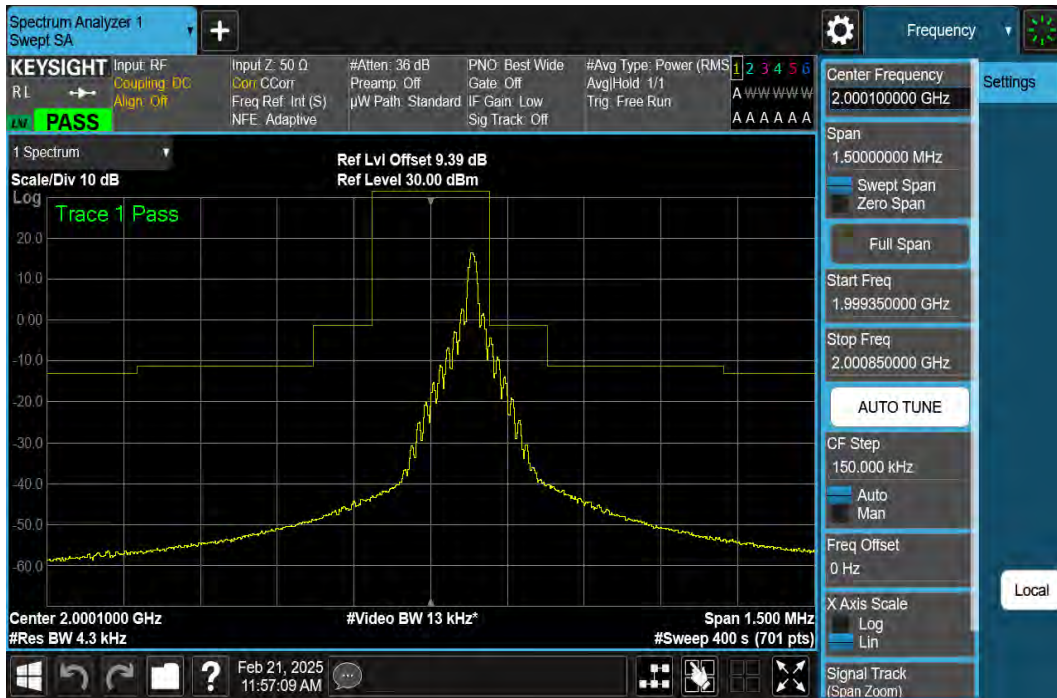
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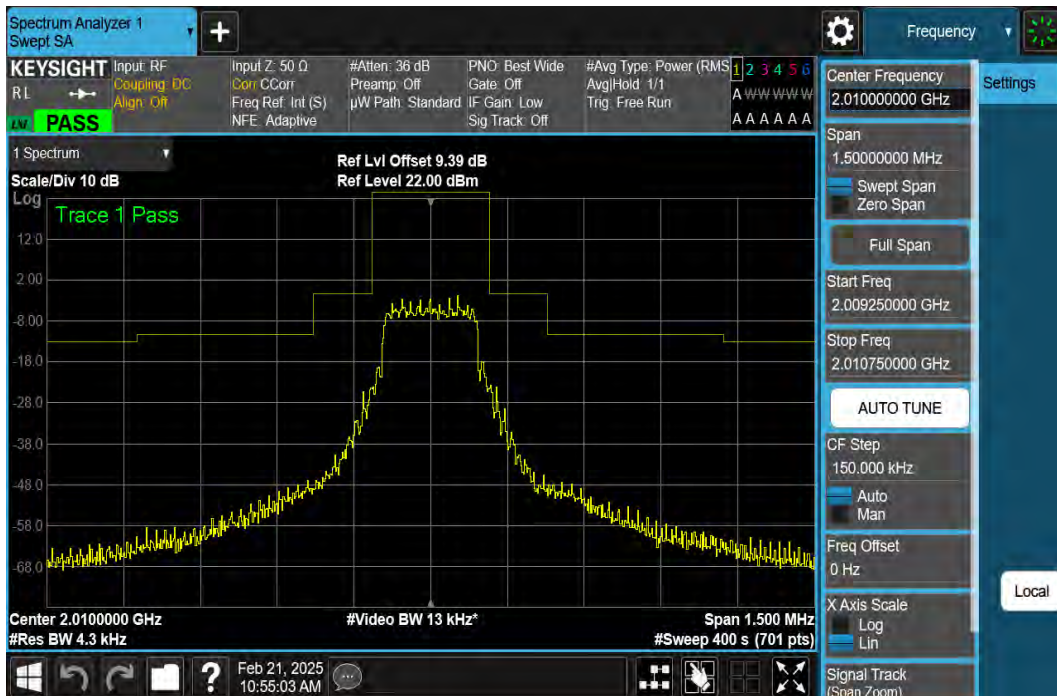
Band23-15kHz-MASK-LCH-BPSK-1@0



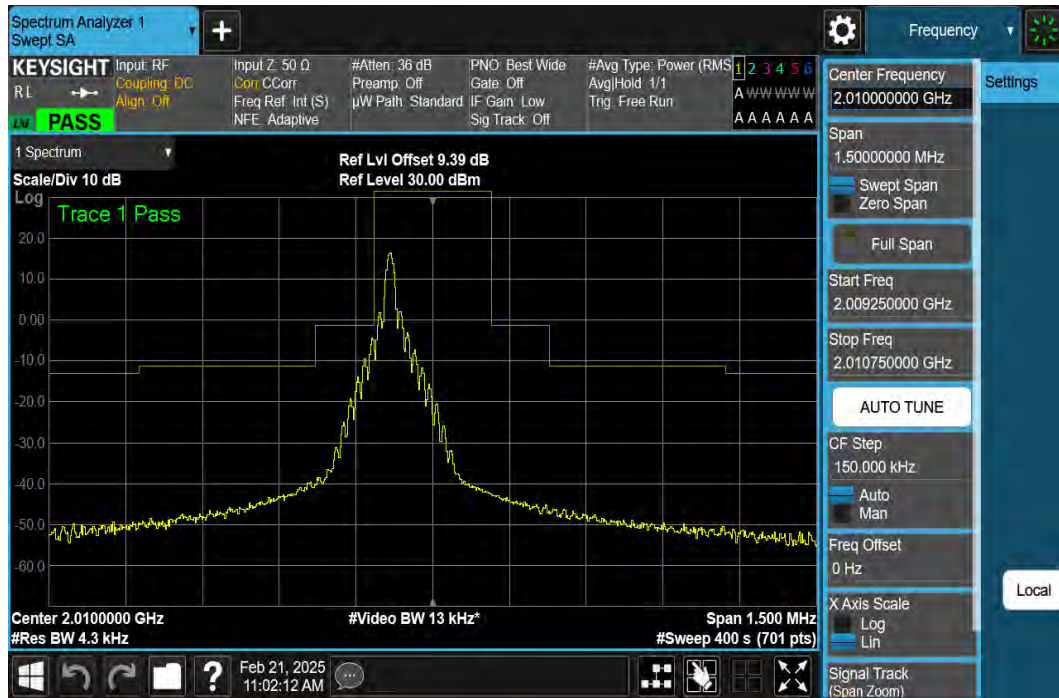
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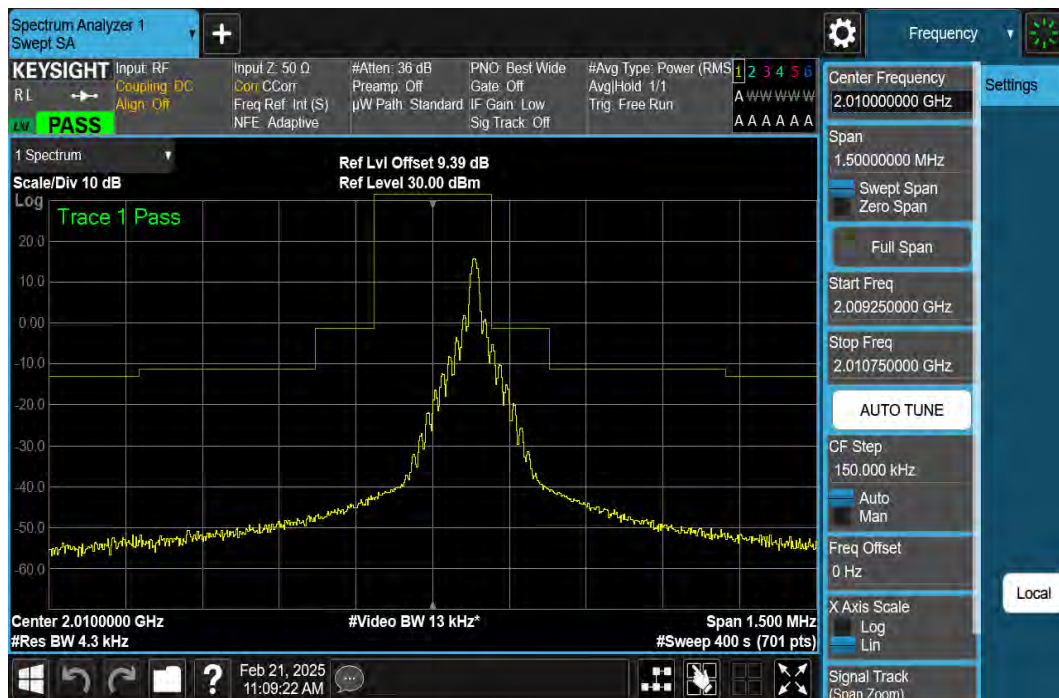
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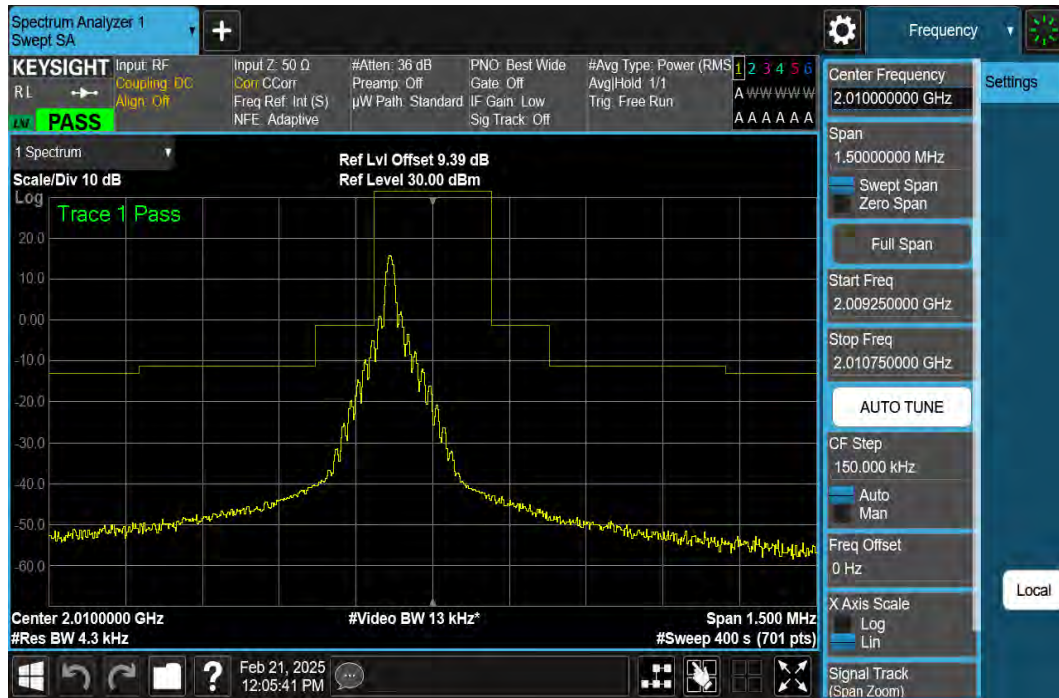
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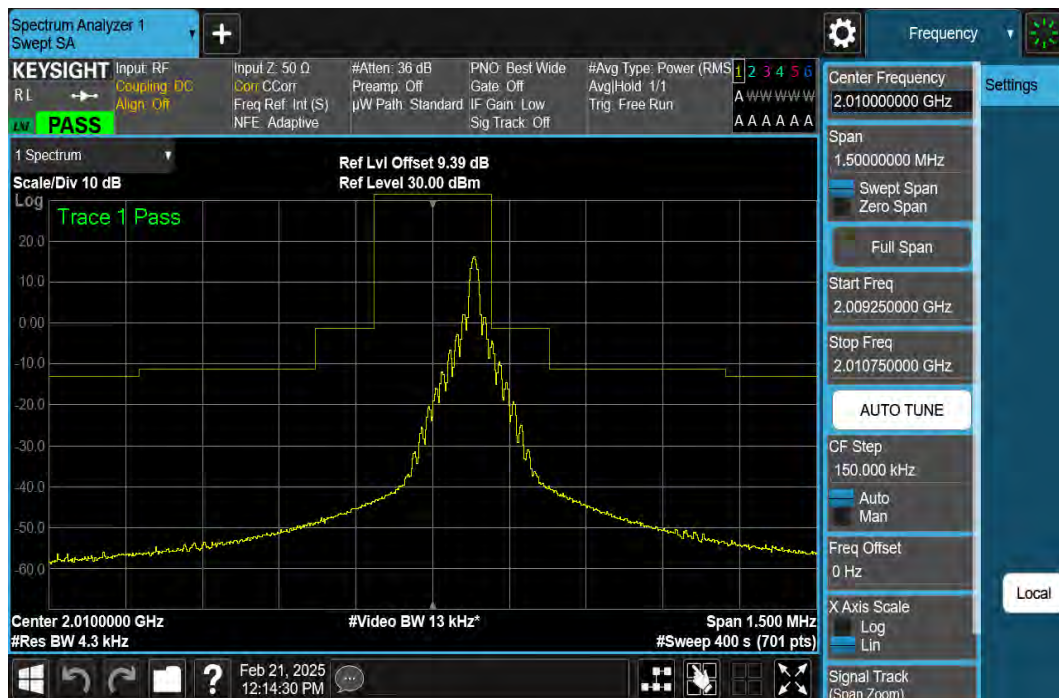
Band23-15kHz-MASK-MCH-QPSK-1@11



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



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



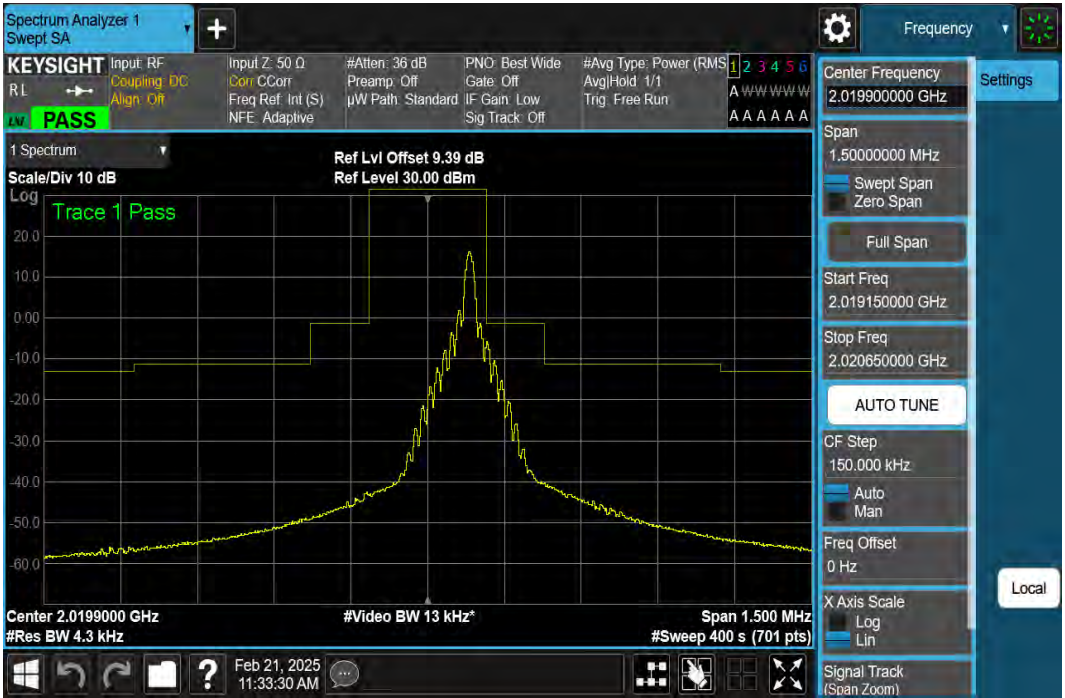
Band23-15kHz-MASK-HCH-QPSK-12@0



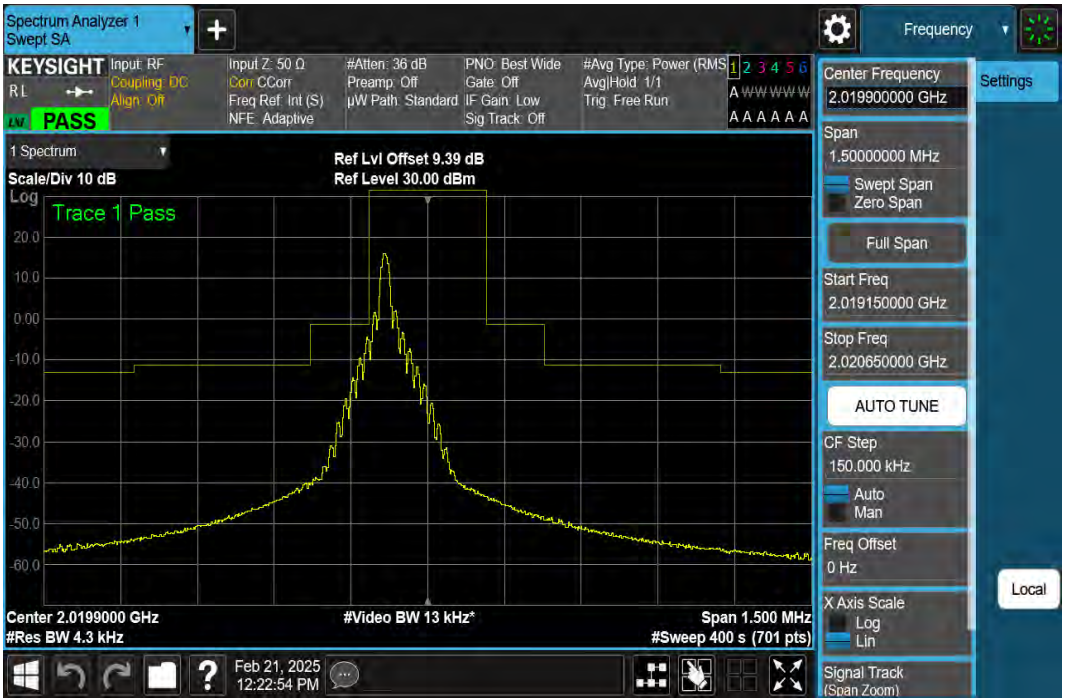
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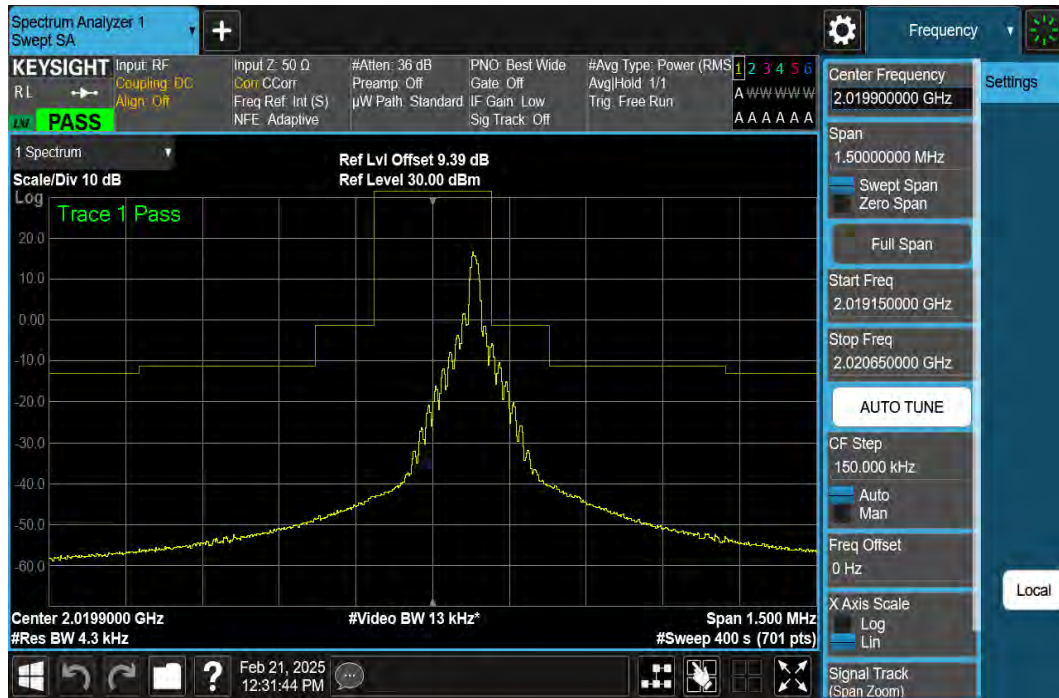
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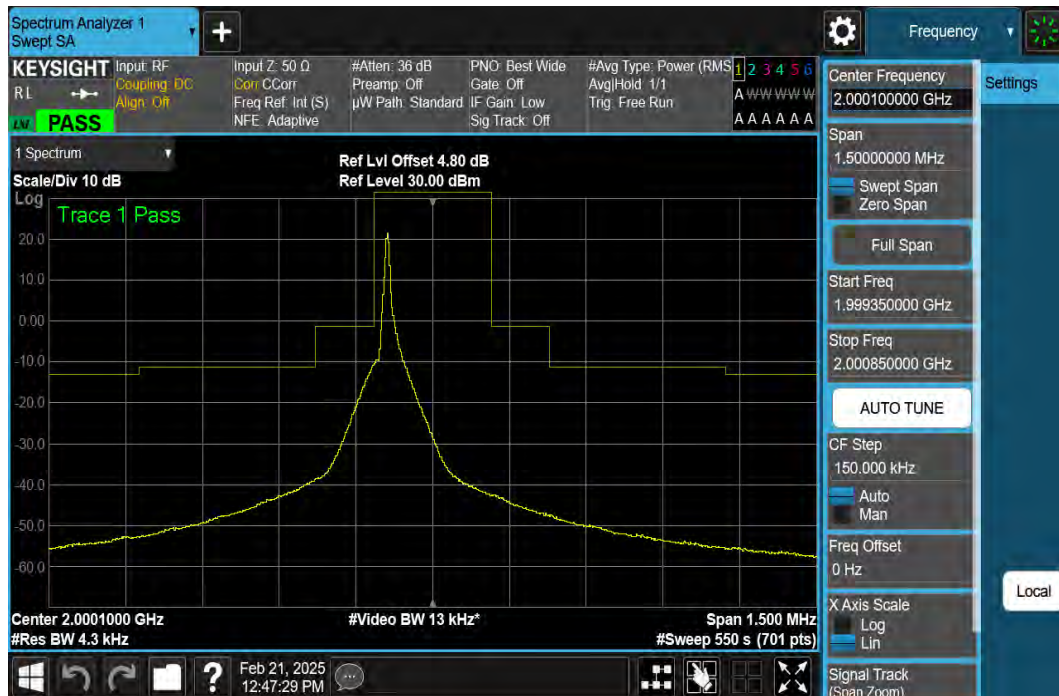
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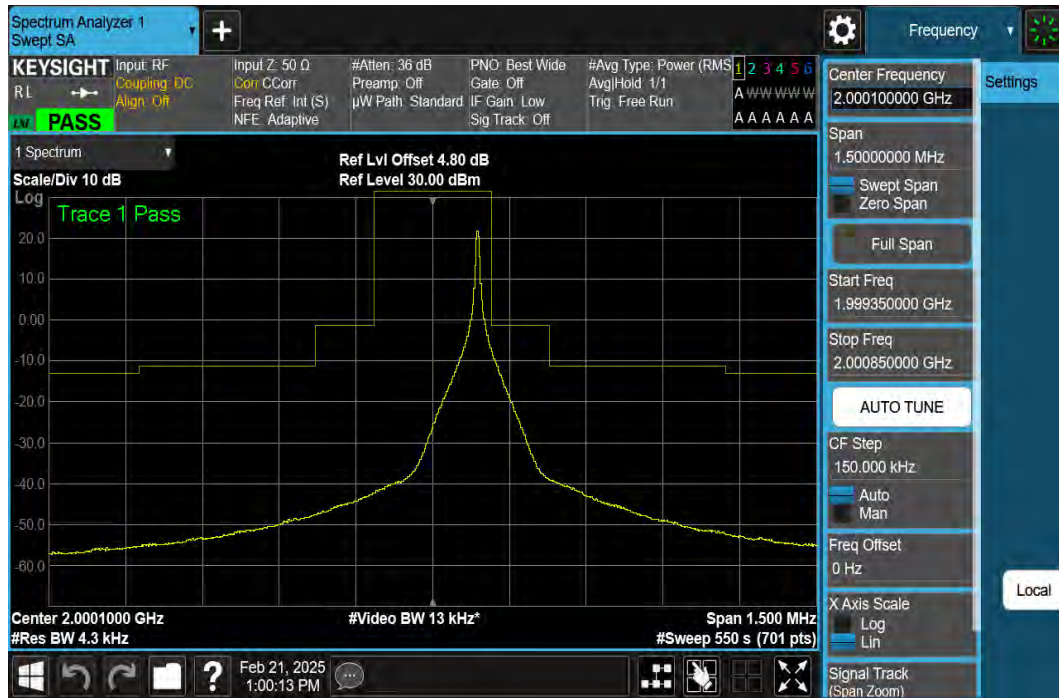
Band23-15kHz-MASK-HCH-BPSK-1@11



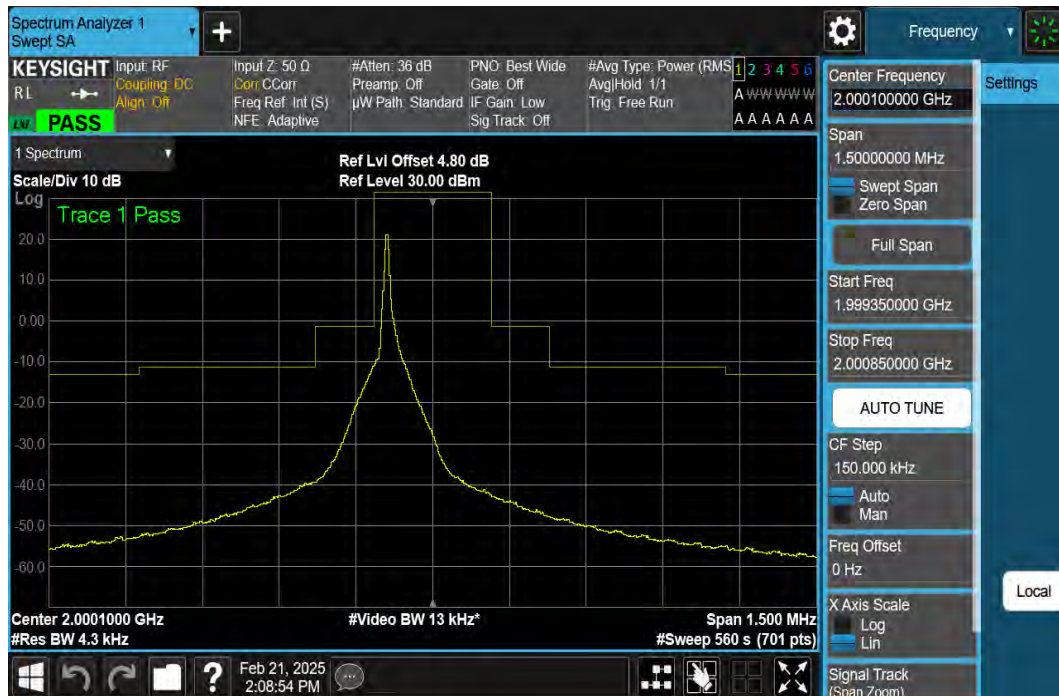
Band23-3.75kHz-MASK-LCH-QPSK-1@0



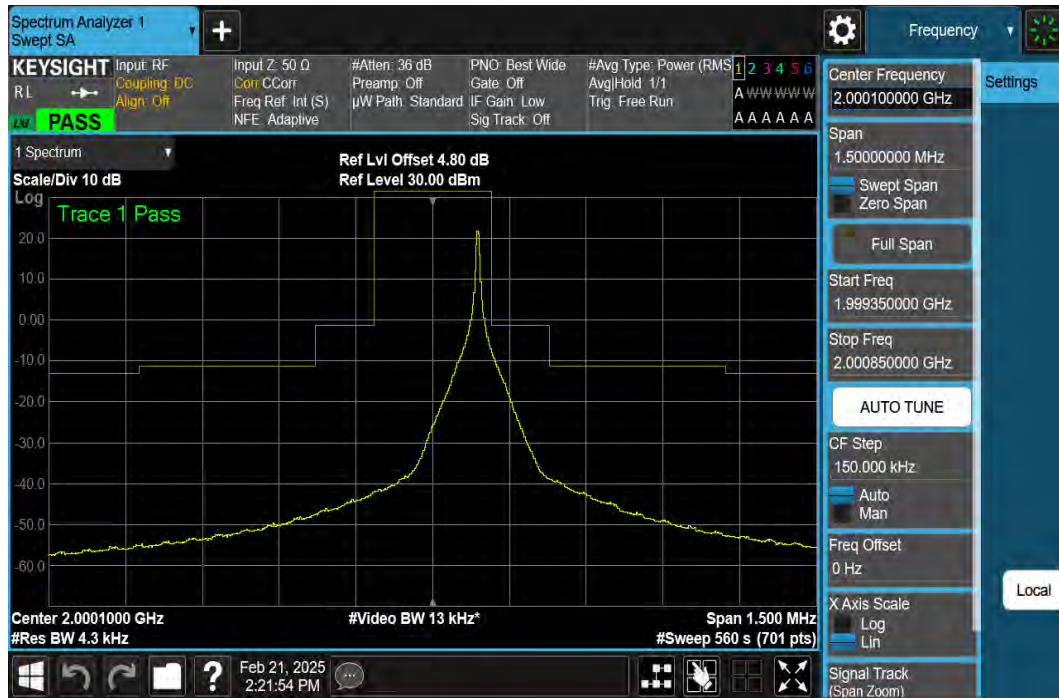
Band23-3.75kHz-MASK-LCH-QPSK-1@47



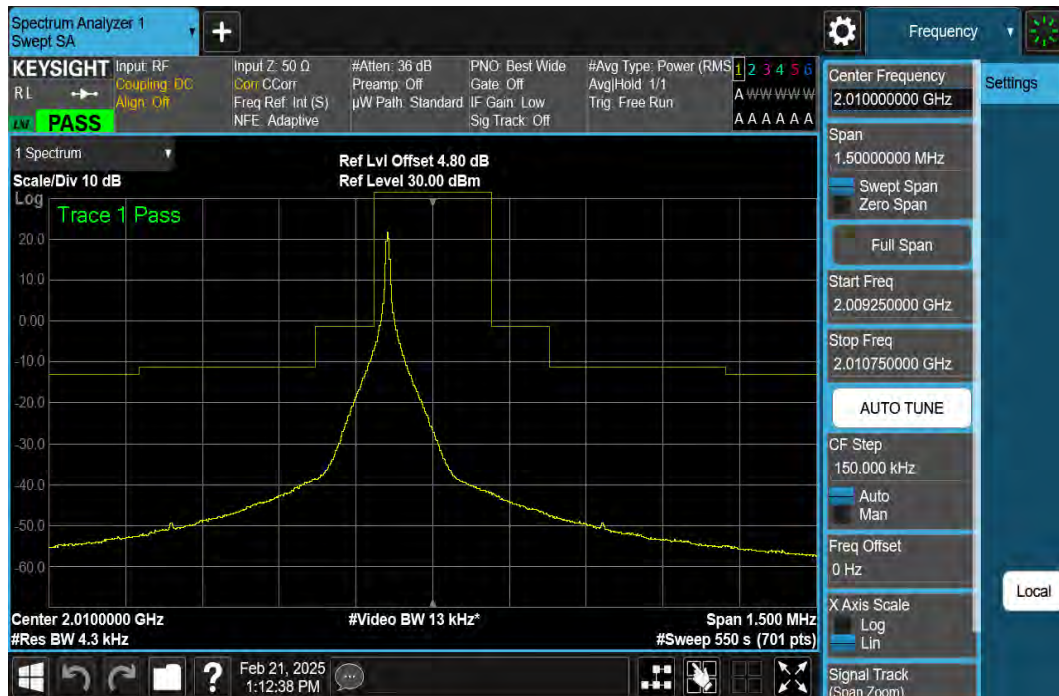
Band23-3.75kHz-MASK-LCH-BPSK-1@0



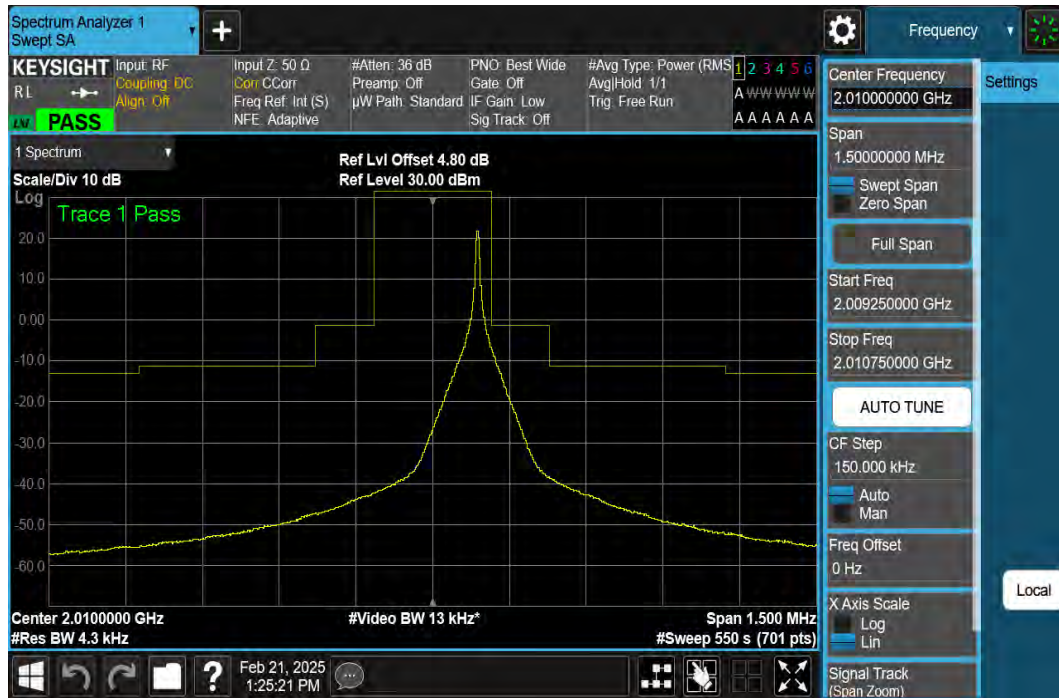
Band23-3.75kHz-MASK-LCH-BPSK-1@47



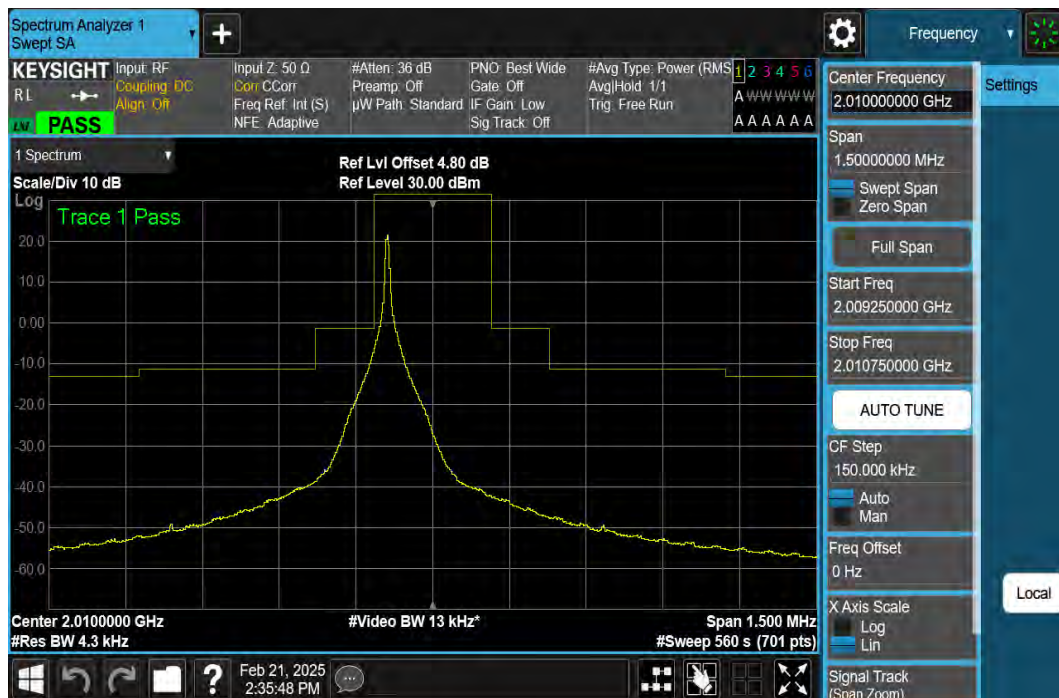
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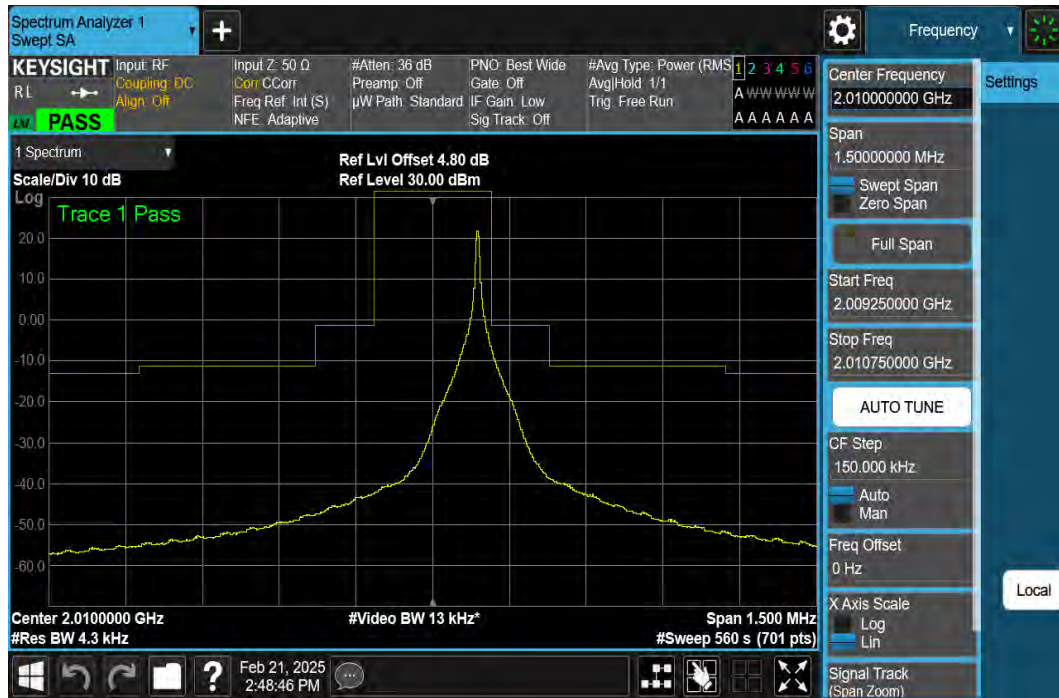
Band23-3.75kHz-MASK-MCH-QPSK-1@47



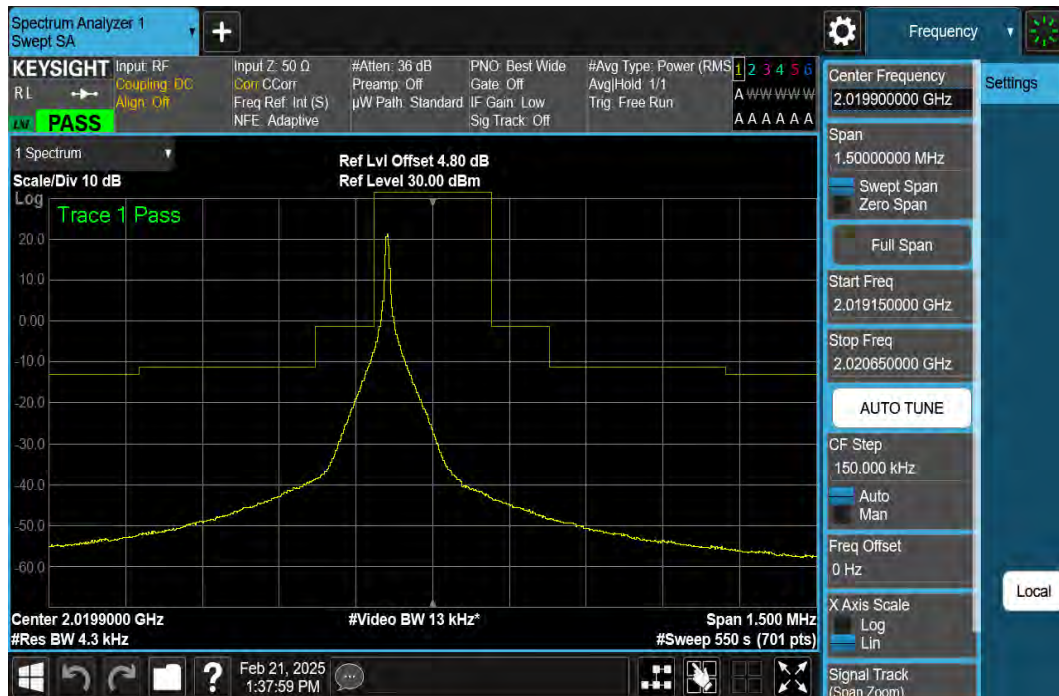
Band23-3.75kHz-MASK-MCH-BPSK-1@0



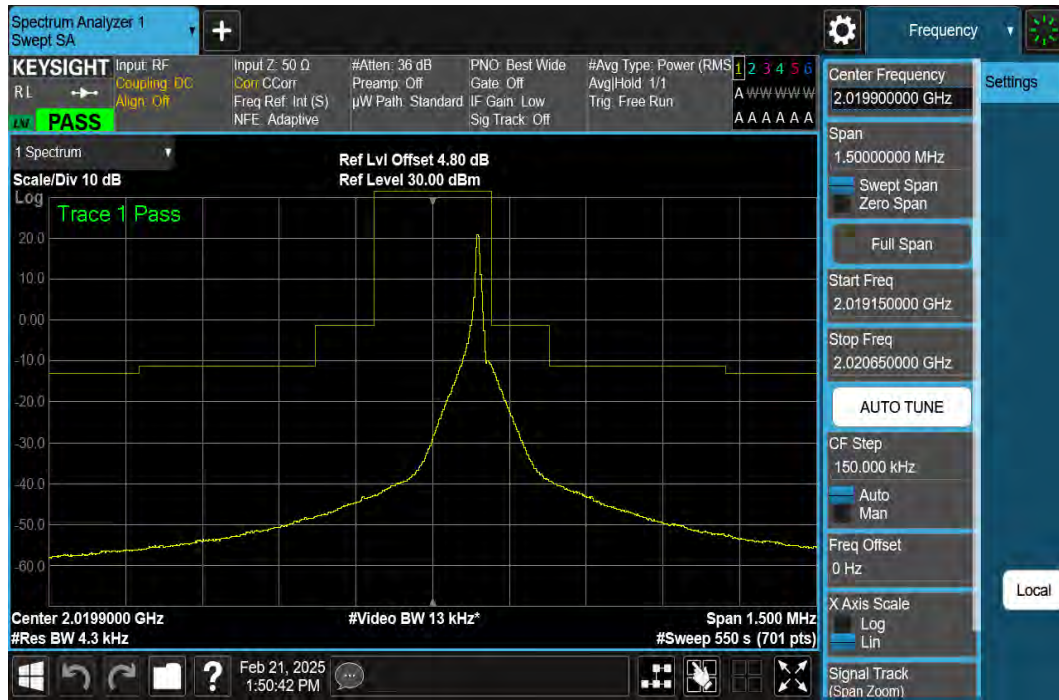
Band23-3.75kHz-MASK-MCH-BPSK-1@47



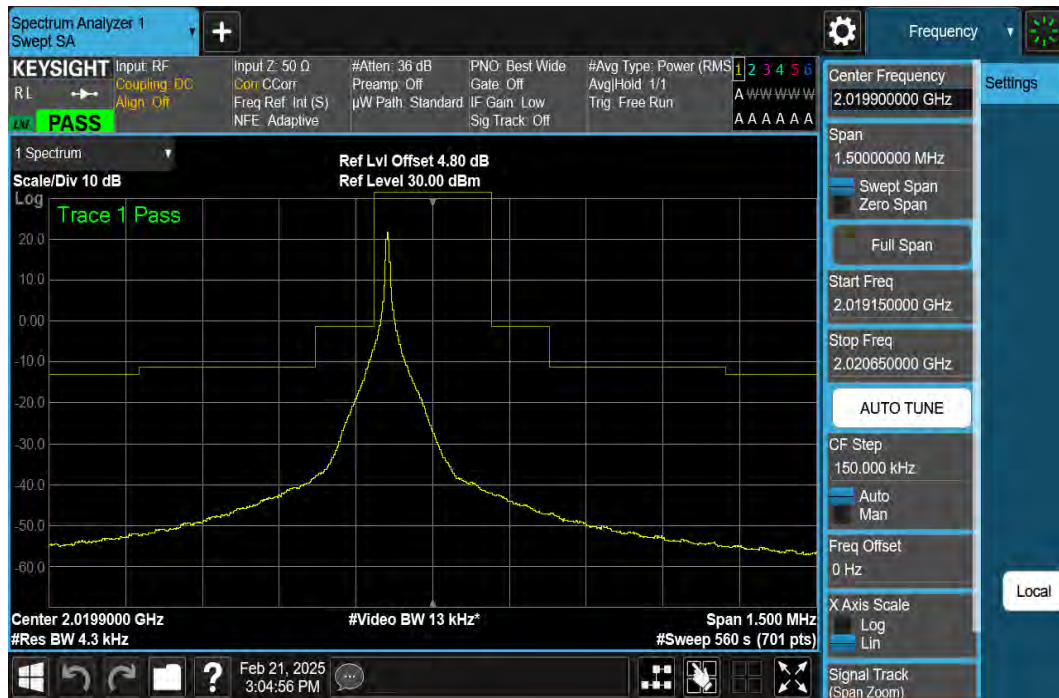
Band23-3.75kHz-MASK-HCH-QPSK-1@0



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



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



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



Conducted spurious emission test graph

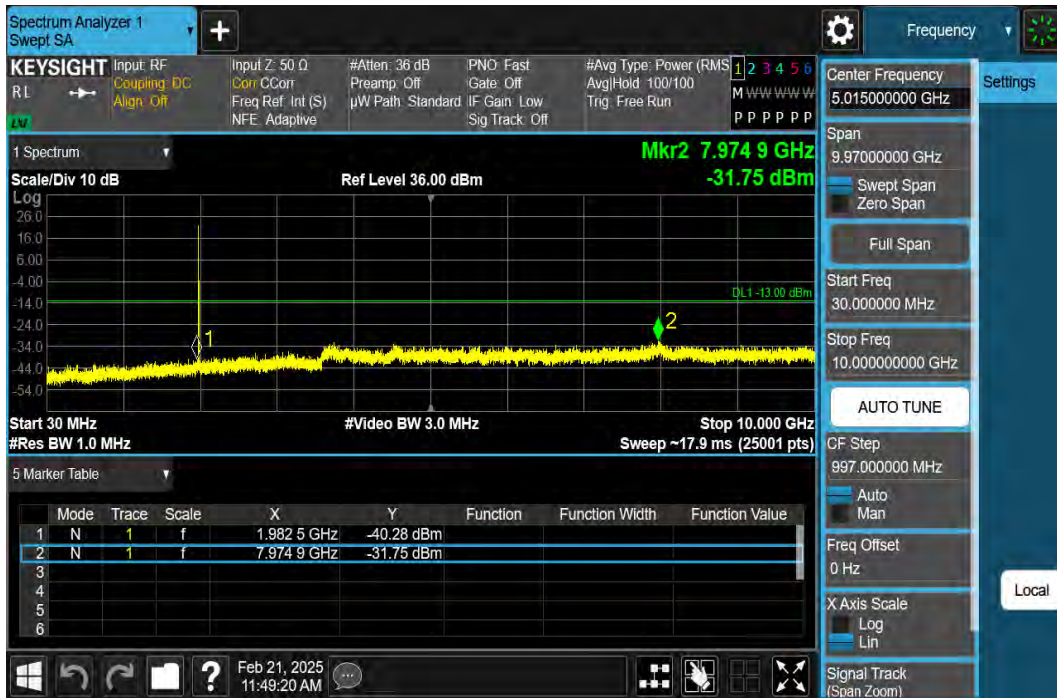
Band23-15kHz-CSE-LCH-QPSK-1@0-30MHz-10GHz



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



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



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



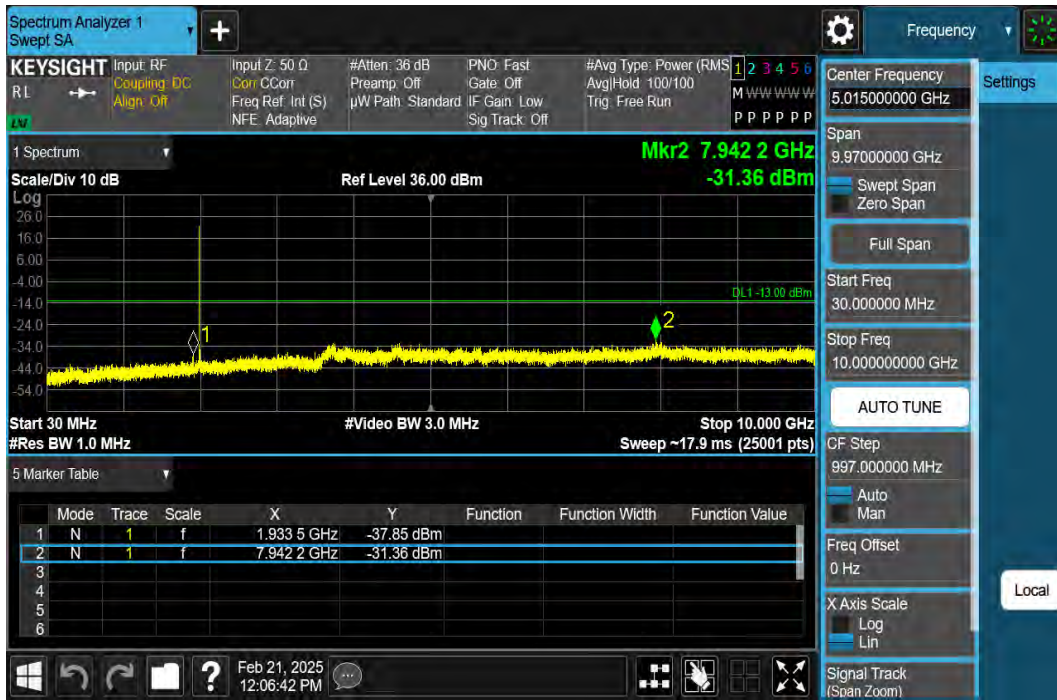
Band23-15kHz-CSE-MCH-QPSK-1@0-30MHz-10GHz



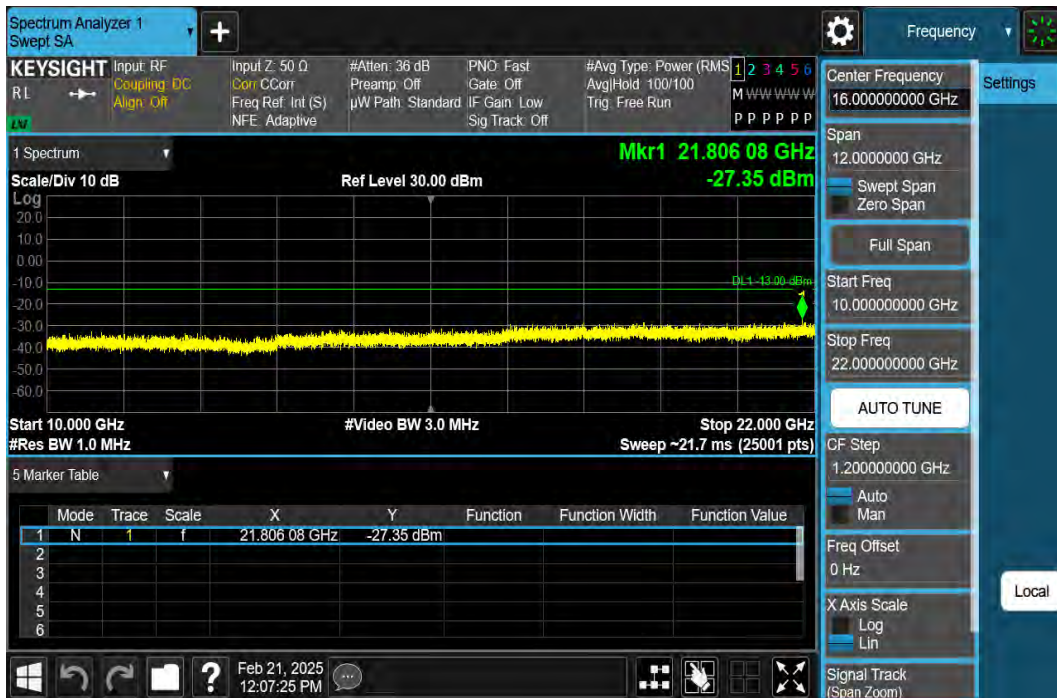
Band23-15kHz-CSE-MCH-QPSK-1@0-10GHz-22GHz



Band23-15kHz-CSE-MCH-BPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-MCH-BPSK-1@0-10GHz-22GHz



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



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



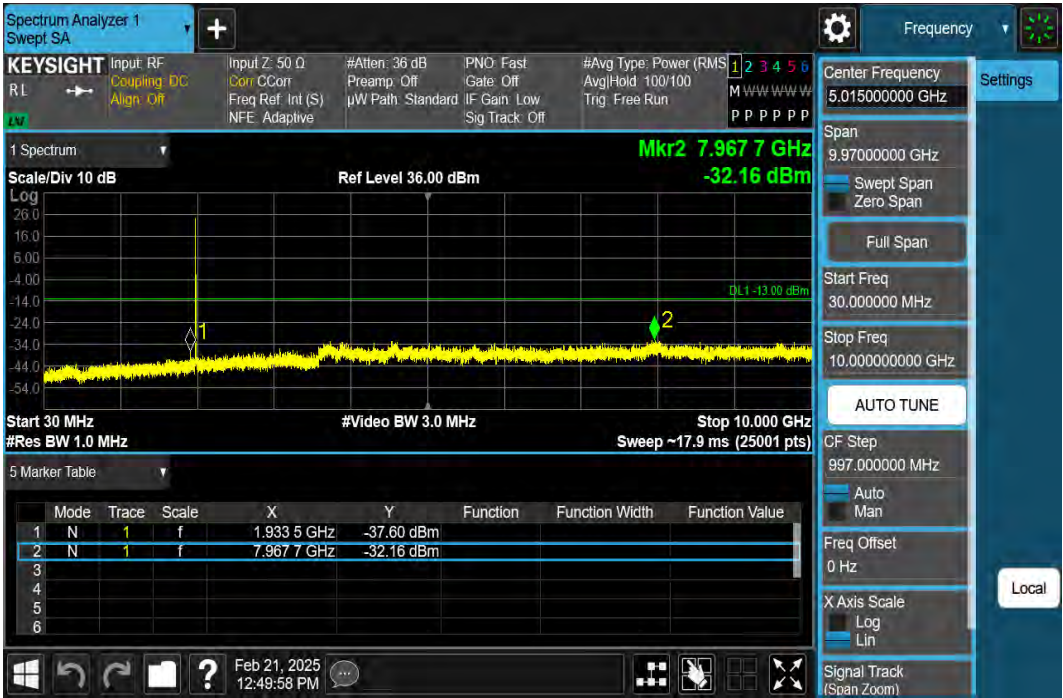
Band23-15kHz-CSE-HCH-BPSK-1@0-30MHz-10GHz



Band23-15kHz-CSE-HCH-BPSK-1@0-10GHz-22GHz



Band23-3.75kHz-CSE-LCH-QPSK-1@0-30MHz-10GHz



Band23-3.75kHz-CSE-LCH-QPSK-1@0-10GHz-22GHz

