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Appendix B.13

LTE Band 26(814-824)



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1. Transmitter Conducted Power Output

1.1.1 Test Result

Band	Bandwidth	Modulation	Channel	RB Configuration	Result(dBm)	Limit(dBm)	Verdict
Band26	1.4MHz	QPSK	26697	1RB#0	23.25	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#2	23.2	50	PASS
Band26	1.4MHz	QPSK	26697	1RB#5	23.21	50	PASS
Band26	1.4MHz	QPSK	26697	6RB#0	22.2	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#0	23.62	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#2	23.07	50	PASS
Band26	1.4MHz	QPSK	26740	1RB#5	23.1	50	PASS
Band26	1.4MHz	QPSK	26740	6RB#0	22.25	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#0	23.7	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#2	23.18	50	PASS
Band26	1.4MHz	QPSK	26783	1RB#5	23.35	50	PASS
Band26	1.4MHz	QPSK	26783	6RB#0	22.18	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#0	22.24	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#2	22.27	50	PASS
Band26	1.4MHz	16QAM	26697	1RB#5	22.32	50	PASS
Band26	1.4MHz	16QAM	26697	6RB#0	21.17	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#0	22.21	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#2	22.52	50	PASS
Band26	1.4MHz	16QAM	26740	1RB#5	22.27	50	PASS
Band26	1.4MHz	16QAM	26740	6RB#0	21.14	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#0	22.28	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#2	22.59	50	PASS
Band26	1.4MHz	16QAM	26783	1RB#5	22.47	50	PASS
Band26	1.4MHz	16QAM	26783	6RB#0	21.38	50	PASS
Band26	1.4MHz	64QAM	26697	1RB#0	21.34	50	PASS
Band26	1.4MHz	64QAM	26697	1RB#2	21.48	50	PASS
Band26	1.4MHz	64QAM	26697	1RB#5	21.45	50	PASS
Band26	1.4MHz	64QAM	26697	6RB#0	19.98	50	PASS
Band26	1.4MHz	64QAM	26740	1RB#0	21.41	50	PASS



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Band26	1.4MHz	64QAM	26740	1RB#2	21.43	50	PASS
Band26	1.4MHz	64QAM	26740	1RB#5	21.32	50	PASS
Band26	1.4MHz	64QAM	26740	6RB#0	20.26	50	PASS
Band26	1.4MHz	64QAM	26783	1RB#0	21.52	50	PASS
Band26	1.4MHz	64QAM	26783	1RB#2	21.31	50	PASS
Band26	1.4MHz	64QAM	26783	1RB#5	21.51	50	PASS
Band26	1.4MHz	64QAM	26783	6RB#0	20.29	50	PASS
Band26	1.4MHz	256QAM	26697	1RB#0	18.15	50	PASS
Band26	1.4MHz	256QAM	26697	1RB#2	18.26	50	PASS
Band26	1.4MHz	256QAM	26697	1RB#5	18.19	50	PASS
Band26	1.4MHz	256QAM	26697	6RB#0	18.28	50	PASS
Band26	1.4MHz	256QAM	26740	1RB#0	18.25	50	PASS
Band26	1.4MHz	256QAM	26740	1RB#2	18.24	50	PASS
Band26	1.4MHz	256QAM	26740	1RB#5	18.3	50	PASS
Band26	1.4MHz	256QAM	26740	6RB#0	18.05	50	PASS
Band26	1.4MHz	256QAM	26783	1RB#0	18.31	50	PASS
Band26	1.4MHz	256QAM	26783	1RB#2	18.37	50	PASS
Band26	1.4MHz	256QAM	26783	1RB#5	18.17	50	PASS
Band26	1.4MHz	256QAM	26783	6RB#0	18.06	50	PASS
Band26	3MHz	QPSK	26705	1RB#0	23.14	50	PASS
Band26	3MHz	QPSK	26705	1RB#8	23.19	50	PASS
Band26	3MHz	QPSK	26705	1RB#14	23.25	50	PASS
Band26	3MHz	QPSK	26705	15RB#0	22.23	50	PASS
Band26	3MHz	QPSK	26740	1RB#0	23.85	50	PASS
Band26	3MHz	QPSK	26740	1RB#8	23.11	50	PASS
Band26	3MHz	QPSK	26740	1RB#14	23.23	50	PASS
Band26	3MHz	QPSK	26740	15RB#0	22.17	50	PASS
Band26	3MHz	QPSK	26775	1RB#0	23.64	50	PASS
Band26	3MHz	QPSK	26775	1RB#8	23.21	50	PASS
Band26	3MHz	QPSK	26775	1RB#14	23.31	50	PASS
Band26	3MHz	QPSK	26775	15RB#0	22.26	50	PASS
Band26	3MHz	16QAM	26705	1RB#0	22.39	50	PASS
Band26	3MHz	16QAM	26705	1RB#8	22.37	50	PASS
Band26	3MHz	16QAM	26705	1RB#14	22.14	50	PASS



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Band26	3MHz	16QAM	26705	15RB#0	21.24	50	PASS
Band26	3MHz	16QAM	26740	1RB#0	22.3	50	PASS
Band26	3MHz	16QAM	26740	1RB#8	22.26	50	PASS
Band26	3MHz	16QAM	26740	1RB#14	22.45	50	PASS
Band26	3MHz	16QAM	26740	15RB#0	21.34	50	PASS
Band26	3MHz	16QAM	26775	1RB#0	22.43	50	PASS
Band26	3MHz	16QAM	26775	1RB#8	22.31	50	PASS
Band26	3MHz	16QAM	26775	1RB#14	22.27	50	PASS
Band26	3MHz	16QAM	26775	15RB#0	21.21	50	PASS
Band26	3MHz	64QAM	26705	1RB#0	21.3	50	PASS
Band26	3MHz	64QAM	26705	1RB#8	21.4	50	PASS
Band26	3MHz	64QAM	26705	1RB#14	21.41	50	PASS
Band26	3MHz	64QAM	26705	15RB#0	20.25	50	PASS
Band26	3MHz	64QAM	26740	1RB#0	21.36	50	PASS
Band26	3MHz	64QAM	26740	1RB#8	21.24	50	PASS
Band26	3MHz	64QAM	26740	1RB#14	21.32	50	PASS
Band26	3MHz	64QAM	26740	15RB#0	20.25	50	PASS
Band26	3MHz	64QAM	26775	1RB#0	21.55	50	PASS
Band26	3MHz	64QAM	26775	1RB#8	21.33	50	PASS
Band26	3MHz	64QAM	26775	1RB#14	21.31	50	PASS
Band26	3MHz	64QAM	26775	15RB#0	20.15	50	PASS
Band26	3MHz	256QAM	26705	1RB#0	18.07	50	PASS
Band26	3MHz	256QAM	26705	1RB#8	18.29	50	PASS
Band26	3MHz	256QAM	26705	1RB#14	18.41	50	PASS
Band26	3MHz	256QAM	26705	15RB#0	18.11	50	PASS
Band26	3MHz	256QAM	26740	1RB#0	18.43	50	PASS
Band26	3MHz	256QAM	26740	1RB#8	18.16	50	PASS
Band26	3MHz	256QAM	26740	1RB#14	18.36	50	PASS
Band26	3MHz	256QAM	26740	15RB#0	18.19	50	PASS
Band26	3MHz	256QAM	26775	1RB#0	18.43	50	PASS
Band26	3MHz	256QAM	26775	1RB#8	18.39	50	PASS
Band26	3MHz	256QAM	26775	1RB#14	18.29	50	PASS
Band26	3MHz	256QAM	26775	15RB#0	18.22	50	PASS
Band26	5MHz	QPSK	26715	1RB#0	23.17	50	PASS



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Band26	5MHz	QPSK	26715	1RB#12	23.23	50	PASS
Band26	5MHz	QPSK	26715	1RB#24	23.14	50	PASS
Band26	5MHz	QPSK	26715	25RB#0	22.09	50	PASS
Band26	5MHz	QPSK	26740	1RB#0	22.85	50	PASS
Band26	5MHz	QPSK	26740	1RB#12	23.25	50	PASS
Band26	5MHz	QPSK	26740	1RB#24	23.44	50	PASS
Band26	5MHz	QPSK	26740	25RB#0	22.16	50	PASS
Band26	5MHz	QPSK	26765	1RB#0	22.84	50	PASS
Band26	5MHz	QPSK	26765	1RB#12	23.34	50	PASS
Band26	5MHz	QPSK	26765	1RB#24	23.18	50	PASS
Band26	5MHz	QPSK	26765	25RB#0	22.21	50	PASS
Band26	5MHz	16QAM	26715	1RB#0	22.29	50	PASS
Band26	5MHz	16QAM	26715	1RB#12	22.37	50	PASS
Band26	5MHz	16QAM	26715	1RB#24	22.22	50	PASS
Band26	5MHz	16QAM	26715	25RB#0	21.25	50	PASS
Band26	5MHz	16QAM	26740	1RB#0	22.45	50	PASS
Band26	5MHz	16QAM	26740	1RB#12	22.48	50	PASS
Band26	5MHz	16QAM	26740	1RB#24	22.37	50	PASS
Band26	5MHz	16QAM	26740	25RB#0	21.06	50	PASS
Band26	5MHz	16QAM	26765	1RB#0	22.37	50	PASS
Band26	5MHz	16QAM	26765	1RB#12	22.55	50	PASS
Band26	5MHz	16QAM	26765	1RB#24	22.39	50	PASS
Band26	5MHz	16QAM	26765	25RB#0	21.42	50	PASS
Band26	5MHz	64QAM	26715	1RB#0	21.48	50	PASS
Band26	5MHz	64QAM	26715	1RB#12	21.49	50	PASS
Band26	5MHz	64QAM	26715	1RB#24	21.36	50	PASS
Band26	5MHz	64QAM	26715	25RB#0	20.12	50	PASS
Band26	5MHz	64QAM	26740	1RB#0	21.34	50	PASS
Band26	5MHz	64QAM	26740	1RB#12	21.52	50	PASS
Band26	5MHz	64QAM	26740	1RB#24	21.43	50	PASS
Band26	5MHz	64QAM	26740	25RB#0	20.31	50	PASS
Band26	5MHz	64QAM	26765	1RB#0	21.32	50	PASS
Band26	5MHz	64QAM	26765	1RB#12	21.39	50	PASS
Band26	5MHz	64QAM	26765	1RB#24	21.43	50	PASS



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Band26	5MHz	256QAM	26715	1RB#0	18.27	50	PASS
Band26	5MHz	256QAM	26715	1RB#12	18.31	50	PASS
Band26	5MHz	256QAM	26715	1RB#24	18.34	50	PASS
Band26	5MHz	256QAM	26715	25RB#0	18.25	50	PASS
Band26	5MHz	256QAM	26740	1RB#0	18.24	50	PASS
Band26	5MHz	256QAM	26740	1RB#12	18.33	50	PASS
Band26	5MHz	256QAM	26740	1RB#24	18.29	50	PASS
Band26	5MHz	256QAM	26740	25RB#0	18.25	50	PASS
Band26	5MHz	256QAM	26765	1RB#0	18.27	50	PASS
Band26	5MHz	256QAM	26765	1RB#12	18.32	50	PASS
Band26	5MHz	256QAM	26765	1RB#24	18.37	50	PASS
Band26	5MHz	256QAM	26765	25RB#0	18.2	50	PASS
Band26	10MHz	QPSK	26740	1RB#0	23.16	50	PASS
Band26	10MHz	QPSK	26740	1RB#24	23.24	50	PASS
Band26	10MHz	QPSK	26740	1RB#49	23.45	50	PASS
Band26	10MHz	QPSK	26740	50RB#0	22.3	50	PASS
Band26	10MHz	16QAM	26740	1RB#0	22.45	50	PASS
Band26	10MHz	16QAM	26740	1RB#24	22.34	50	PASS
Band26	10MHz	16QAM	26740	1RB#49	22.38	50	PASS
Band26	10MHz	16QAM	26740	50RB#0	21.2	50	PASS
Band26	10MHz	64QAM	26740	1RB#0	21.35	50	PASS
Band26	10MHz	64QAM	26740	1RB#24	21.5	50	PASS
Band26	10MHz	64QAM	26740	1RB#49	21.51	50	PASS
Band26	10MHz	64QAM	26740	50RB#0	20.15	50	PASS
Band26	10MHz	256QAM	26740	1RB#0	18.26	50	PASS
Band26	10MHz	256QAM	26740	1RB#24	18.3	50	PASS
Band26	10MHz	256QAM	26740	1RB#49	18.34	50	PASS
Band26	10MHz	256QAM	26740	50RB#0	18.05	50	PASS



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2. Frequency Stability

2.4 B26a_10MHz

2.4.1 Test Result

Band: 26a / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	819	50	0	20	3.135	-0.034	0.0000	/	Pass
					3.7	-0.853	-0.0010	/	Pass
					4.4	-0.472	-0.0006	/	Pass
				-30	3.7	-0.667	-0.0008	/	Pass
				-20	3.7	0.292	0.0004	/	Pass
				-10	3.7	-0.221	-0.0003	/	Pass
				0	3.7	0.334	0.0004	/	Pass
				10	3.7	0.655	0.0008	/	Pass
				30	3.7	-0.455	-0.0006	/	Pass
				40	3.7	-0.369	-0.0005	/	Pass
				50	3.7	1.082	0.0013	/	Pass



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3. Field Strength of Spurious Radiation

Test Band = LTE_B26_10MHz
Test Channel = MCH

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1095.5	61.91	-54.16	25.79	-61.72	-13.00	48.72	Horizontal
2	1629	62.89	-53.29	25.86	-59.80	-13.00	46.80	Horizontal
3	2443.5	59.82	-51.96	27.89	-59.51	-13.00	46.51	Horizontal
4	4307	53.33	-46.92	31.81	-57.04	-13.00	44.04	Horizontal
5	5867.5	51.58	-44.62	34.17	-54.13	-13.00	41.13	Horizontal
6	8049	50.13	-41.09	37.60	-48.62	-13.00	35.62	Horizontal

Final Data List								
NO.	Freq. [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1213.5	56.30	-53.88	25.63	-67.21	-13.00	54.21	Vertical
2	1767.5	62.45	-53.18	25.57	-60.42	-13.00	47.42	Vertical
3	2539	54.40	-51.65	28.23	-64.28	-13.00	51.28	Vertical
4	3935	53.73	-48.44	30.81	-59.16	-13.00	46.16	Vertical
5	5868	51.46	-44.61	34.17	-54.24	-13.00	41.24	Vertical
6	8542.5	49.98	-40.82	38.92	-47.18	-13.00	34.18	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level



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4. 99% & 26dB Bandwidth

4.1 Band26a_OBW

4.1.1 Test Result

Band: 26a / NTNv							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.120	/	Pass
		819	6	0	1.124	/	Pass
		823.3	6	0	1.123	/	Pass
	16QAM	814.7	6	0	1.131	/	Pass
		819	6	0	1.127	/	Pass
		823.3	6	0	1.123	/	Pass
	64QAM	814.7	6	0	1.104	/	Pass
		819	6	0	1.119	/	Pass
		823.3	6	0	1.124	/	Pass
	256QAM	814.7	6	0	1.123	/	Pass
		819	6	0	1.120	/	Pass
		823.3	6	0	1.044	/	Pass
3	QPSK	815.5	15	0	2.739	/	Pass
		819	15	0	2.745	/	Pass
		822.5	15	0	2.739	/	Pass
	16QAM	815.5	15	0	2.751	/	Pass
		819	15	0	2.760	/	Pass
		822.5	15	0	2.745	/	Pass
	64QAM	815.5	15	0	2.743	/	Pass
		819	15	0	2.754	/	Pass
		822.5	15	0	2.741	/	Pass
	256QAM	815.5	15	0	2.742	/	Pass
		819	15	0	2.746	/	Pass
		822.5	15	0	2.754	/	Pass
5	QPSK	816.5	25	0	4.558	/	Pass
		819	25	0	4.584	/	Pass
		821.5	25	0	4.560	/	Pass
	16QAM	816.5	25	0	4.578	/	Pass
		819	25	0	4.560	/	Pass
		821.5	25	0	4.567	/	Pass
	64QAM	816.5	25	0	4.567	/	Pass
		819	25	0	4.585	/	Pass
		821.5	25	0	4.582	/	Pass
	256QAM	816.5	25	0	4.570	/	Pass
		819	25	0	4.578	/	Pass
		821.5	25	0	4.552	/	Pass
10	QPSK	819	50	0	9.086	/	Pass
	16QAM	819	50	0	9.061	/	Pass
	64QAM	819	50	0	9.101	/	Pass



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	256QAM	819	50	0	9.087	/	Pass
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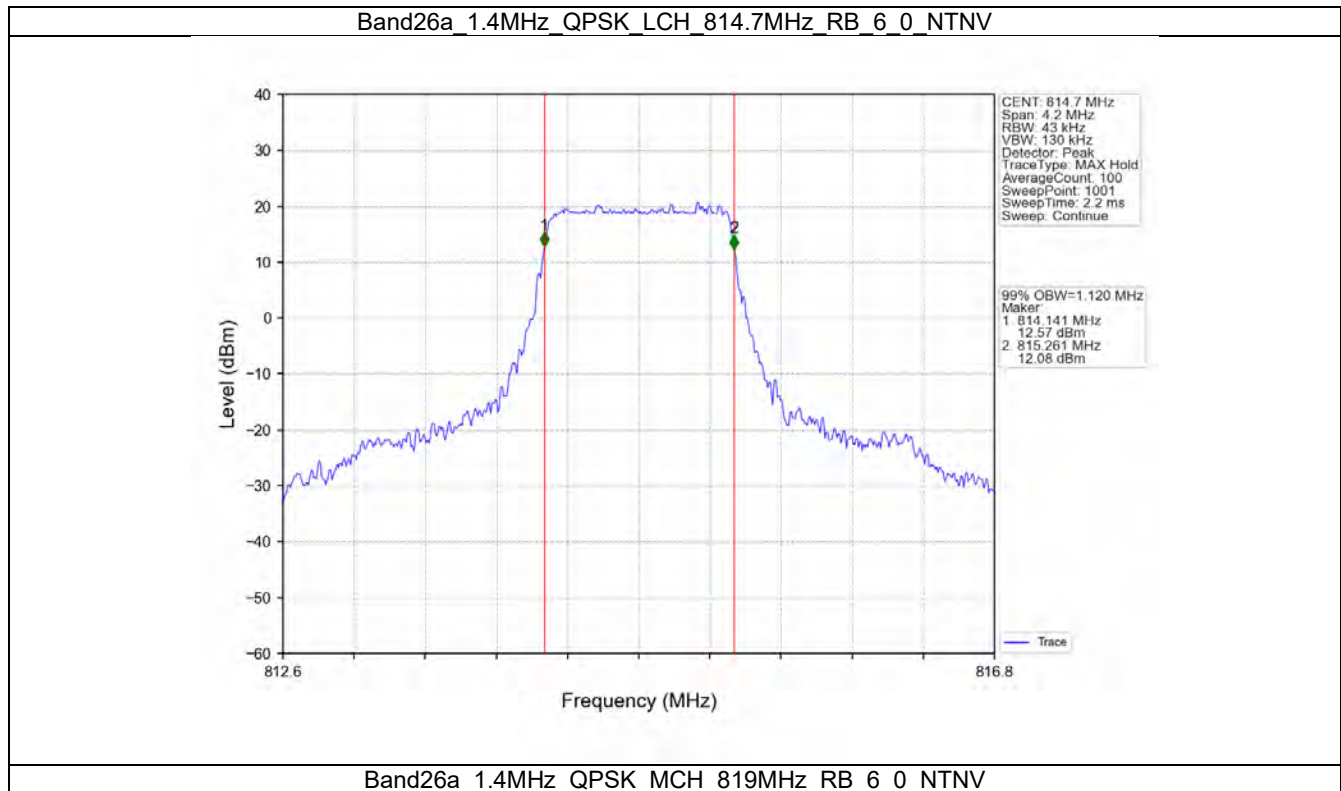
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4.1.2 Test Graph



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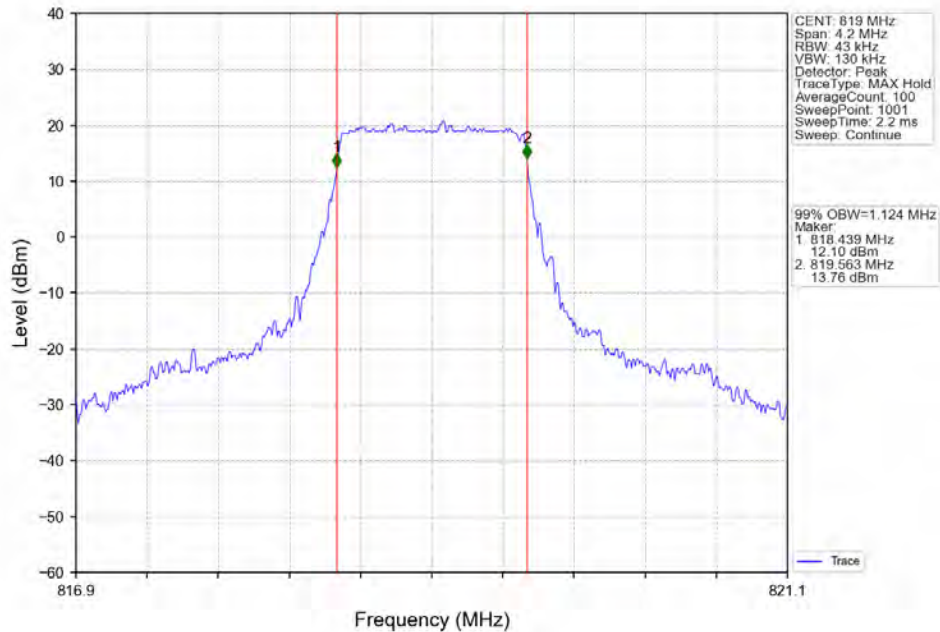
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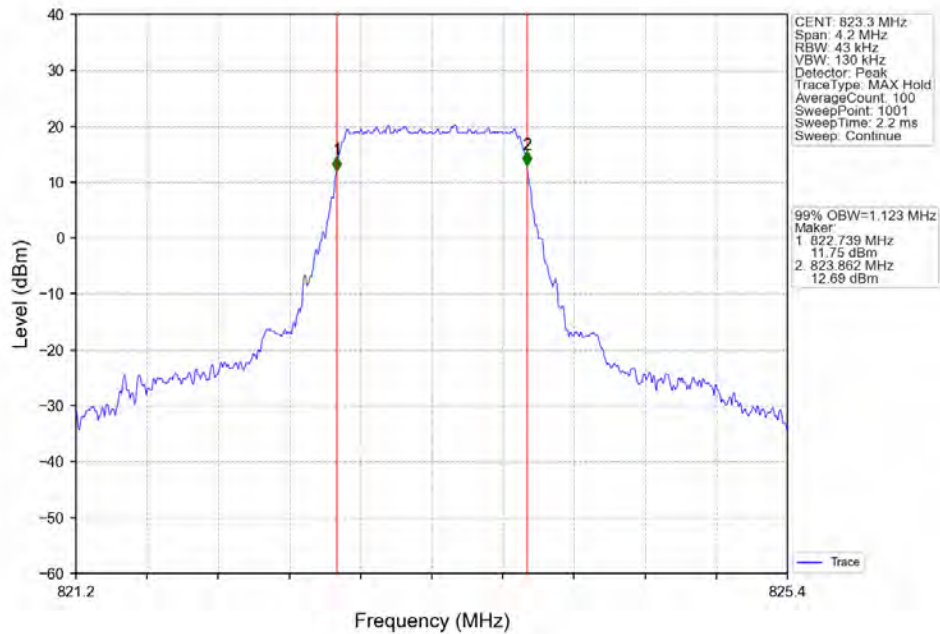
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Band26a 1.4MHz QPSK HCH 823.3MHz_RB_6_0 NTN



Band26a 1.4MHz 16QAM LCH 814.7MHz_RB_6_0 NTN



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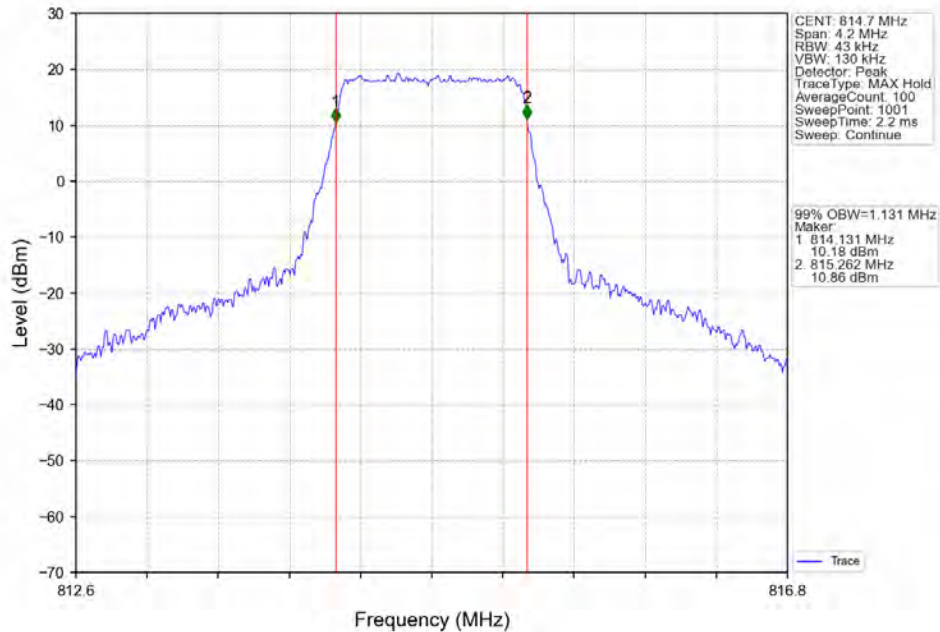
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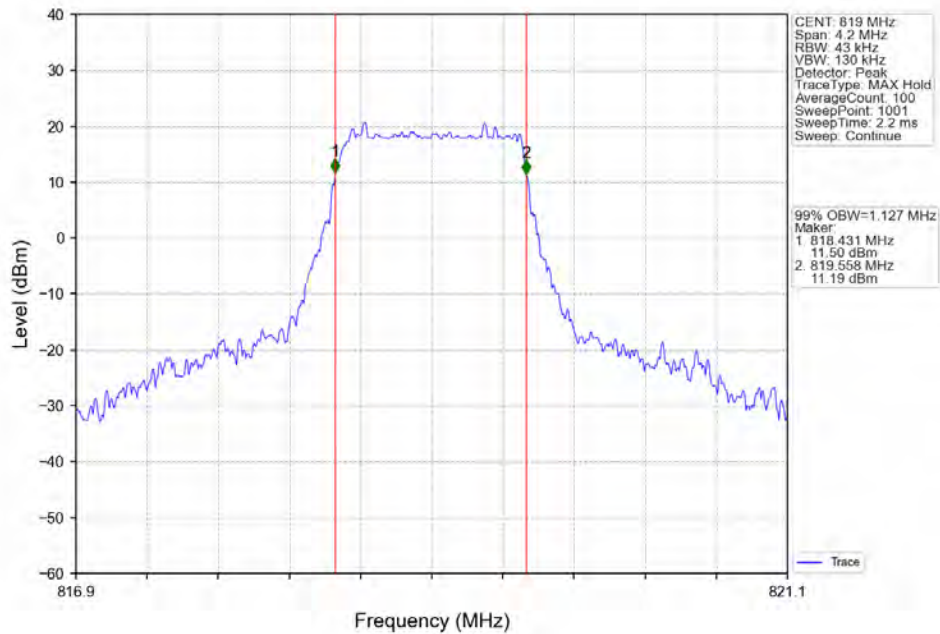
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Band26a 1.4MHz 16QAM MCH 819MHz RB 6 0 NTNV



Band26a 1.4MHz 16QAM HCH 823.3MHz RB 6 0 NTNV



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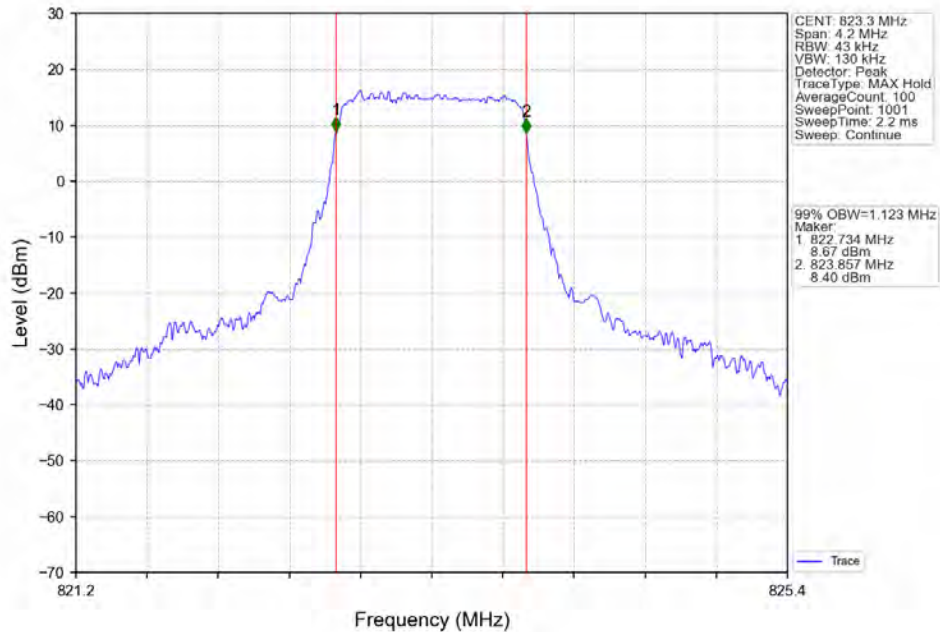
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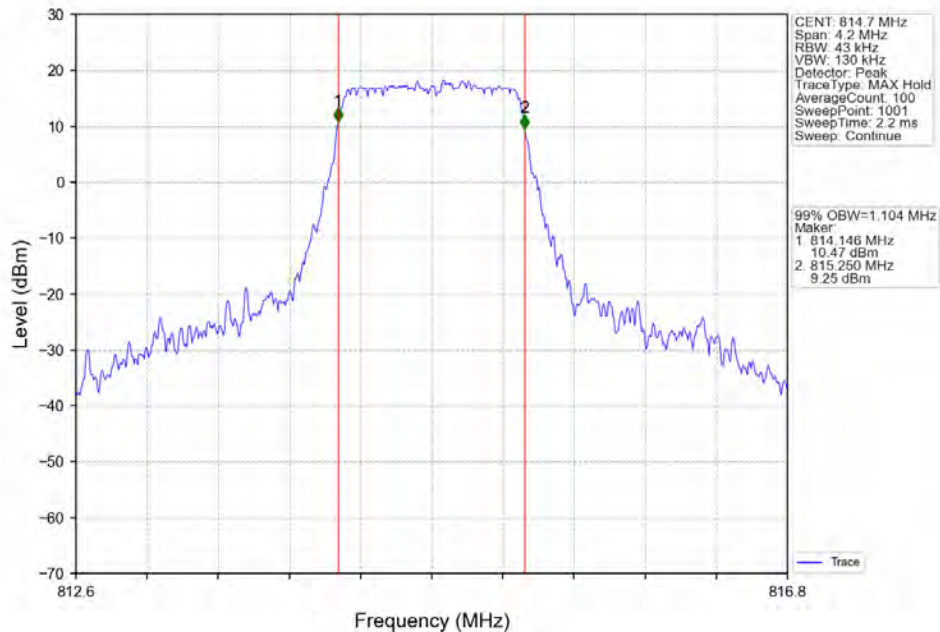
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Band26a_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV



Band26a_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV



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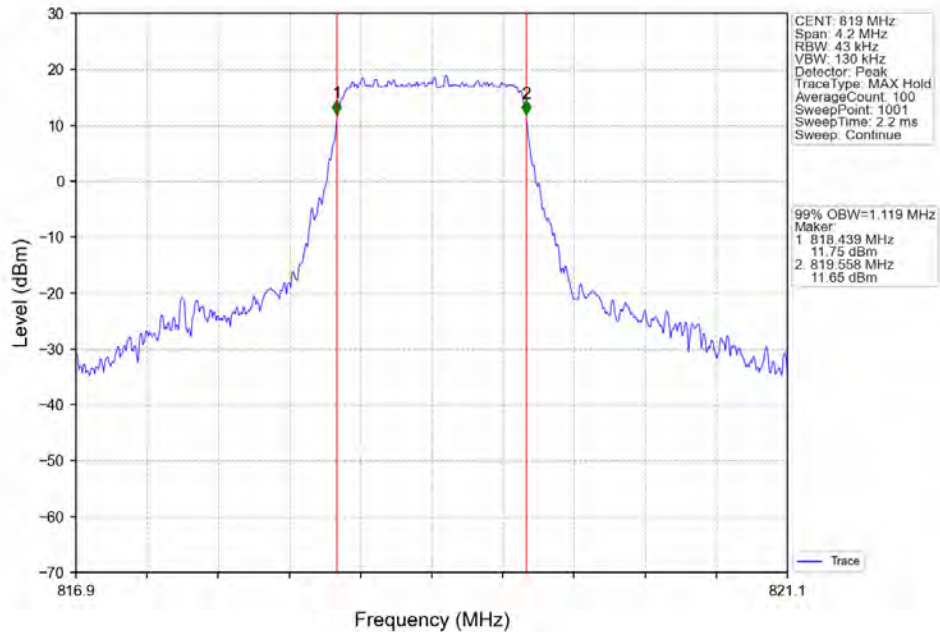
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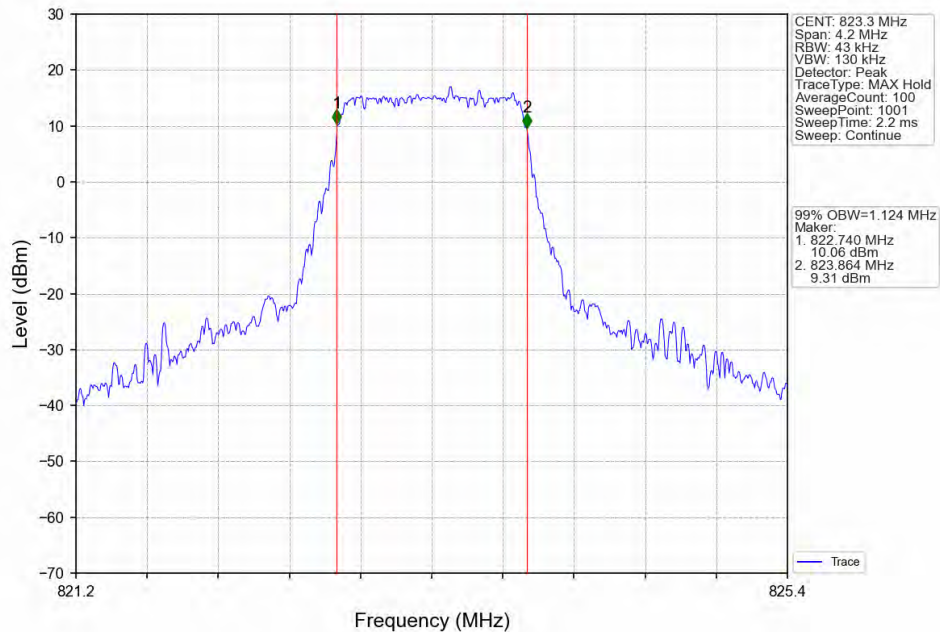
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Band26a_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV



Band26a_1.4MHz_256QAM_LCH_814.7MHz_RB_6_0_NTNV



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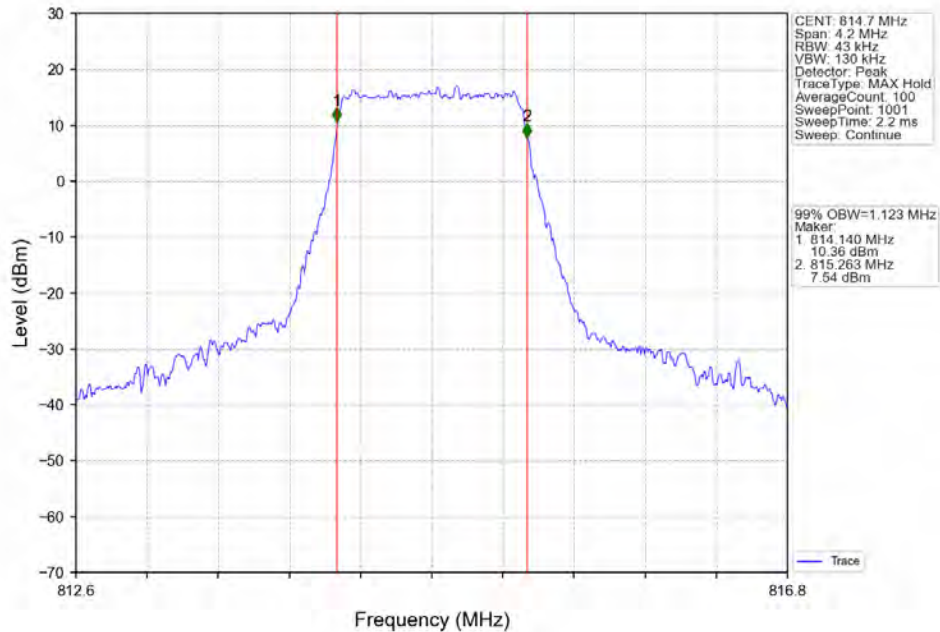
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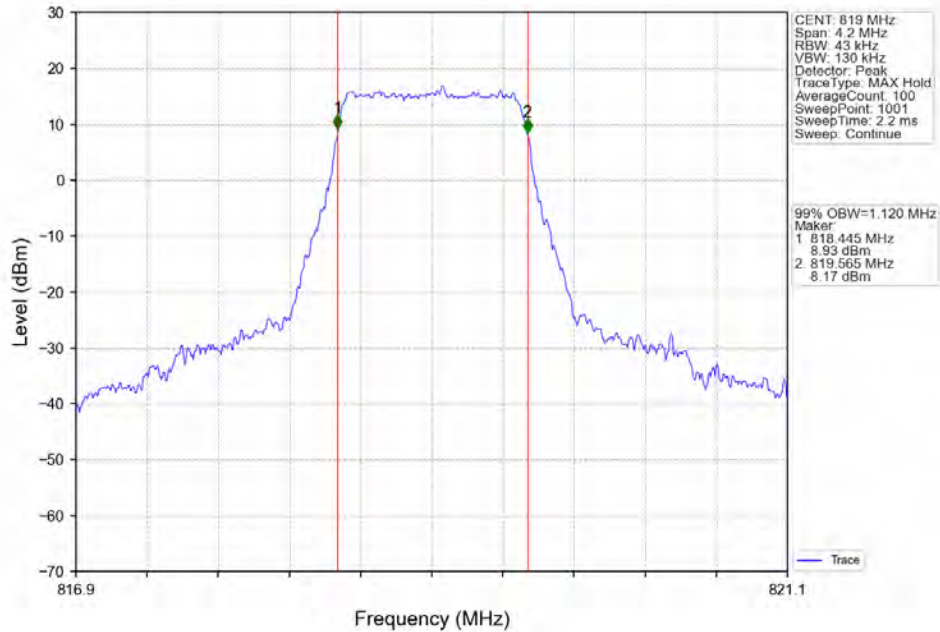
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Band26a_1.4MHz_256QAM_HCH_823.3MHz_RB_6_0_NTNV



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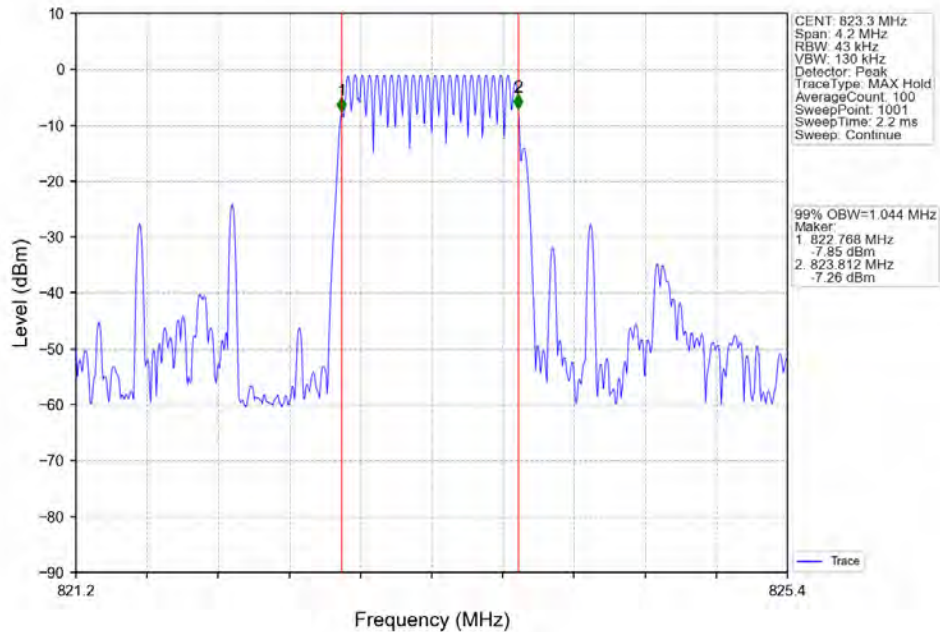
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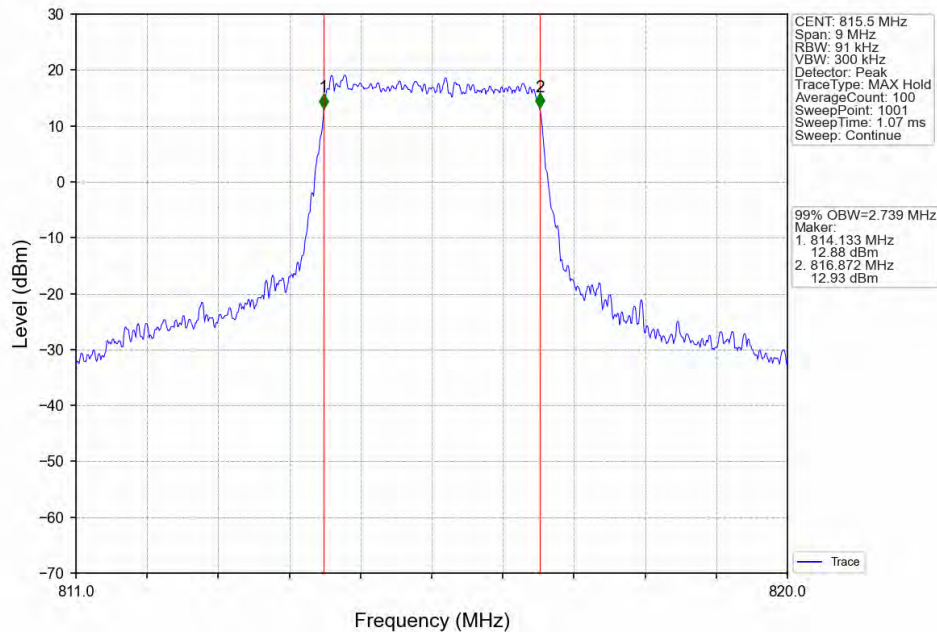
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Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



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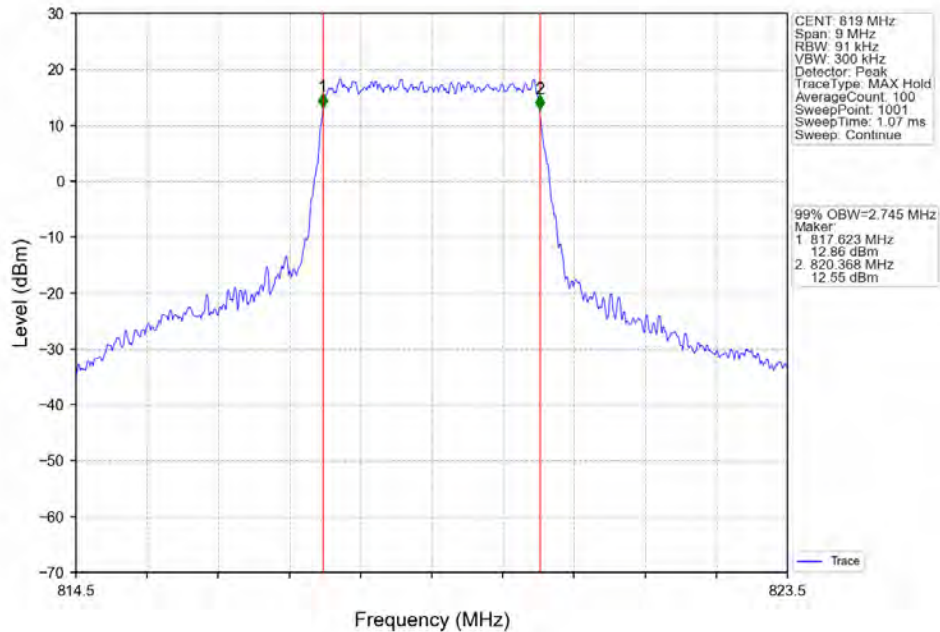
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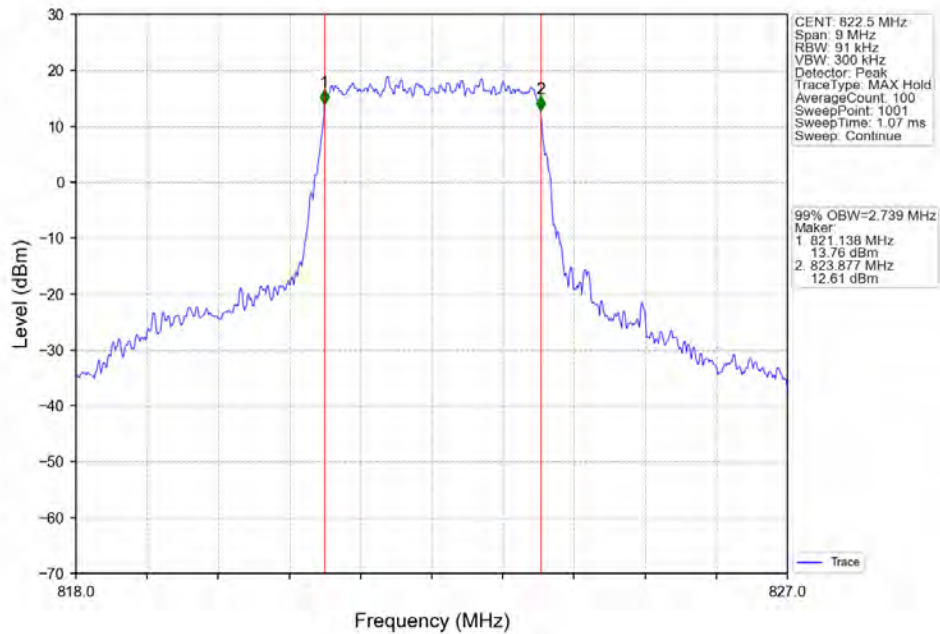
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Band26a 3MHz QPSK HCH 822.5MHz RB 15 0 NTN



Band26a 3MHz 16QAM LCH 815.5MHz RB 15 0 NTN



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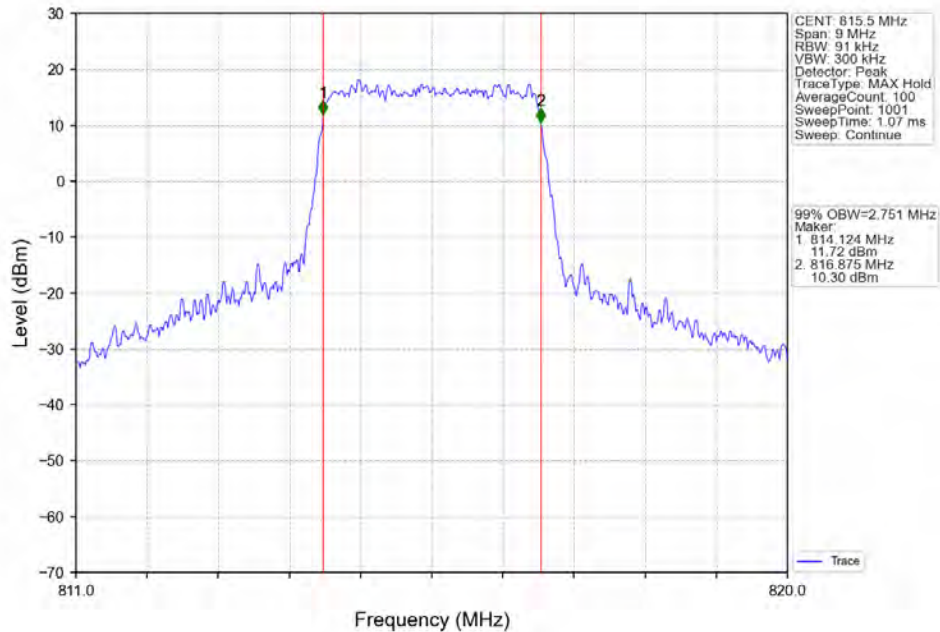
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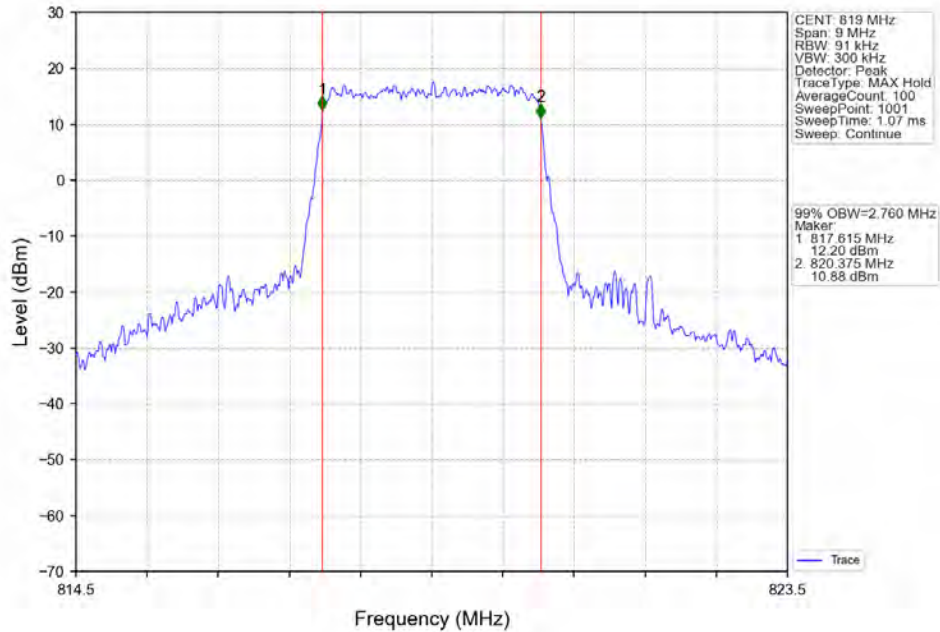
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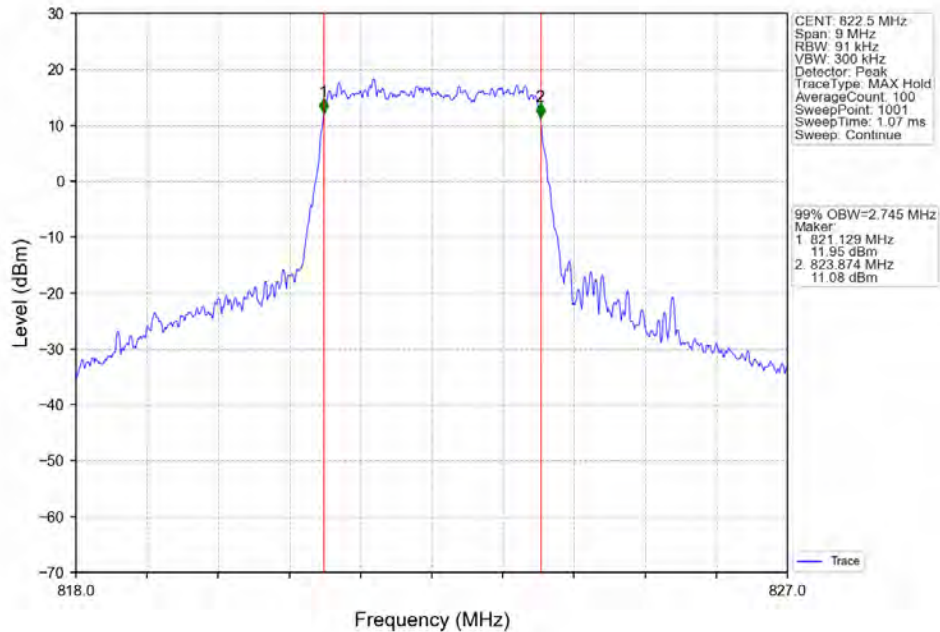
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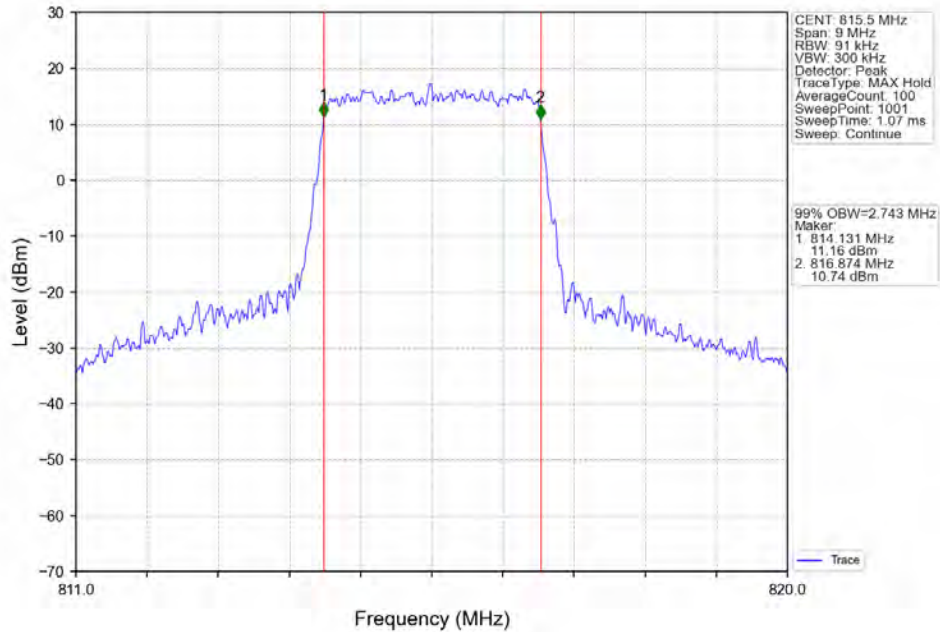
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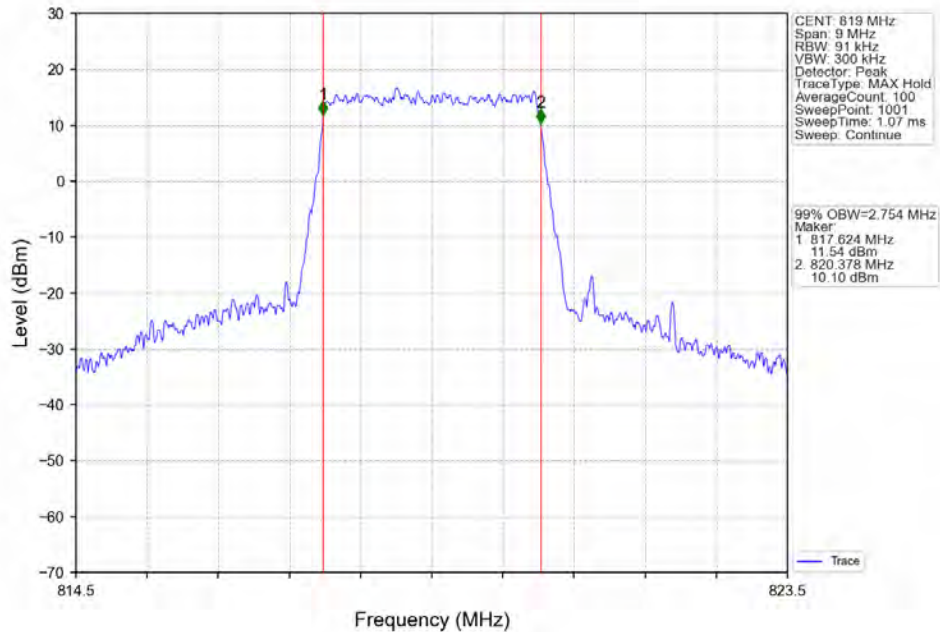
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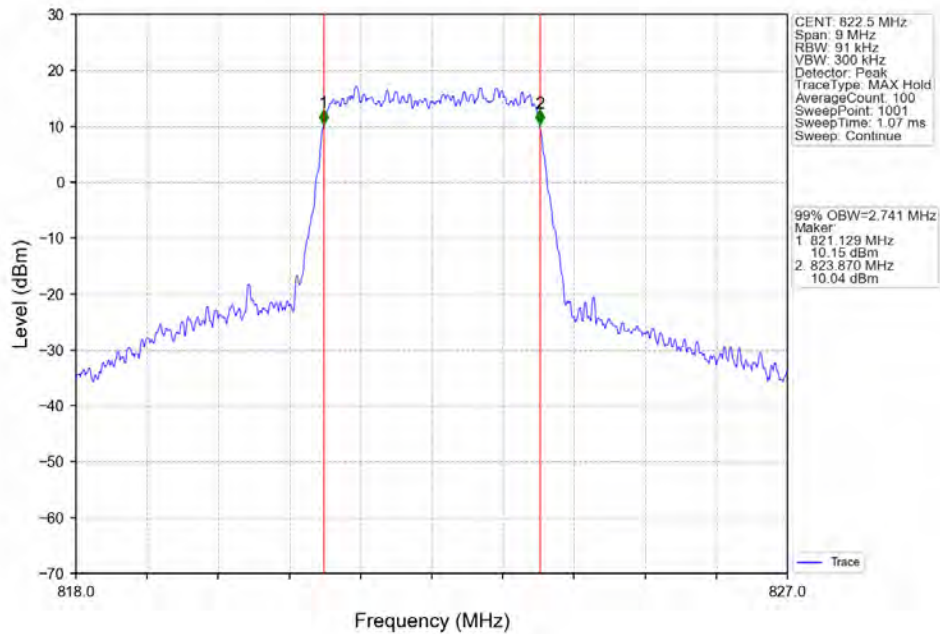
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Band26a_3MHz_64QAM_HCH_822.5MHz_RB_15_0_NTNV



Band26a_3MHz_256QAM_LCH_815.5MHz_RB_15_0_NTNV



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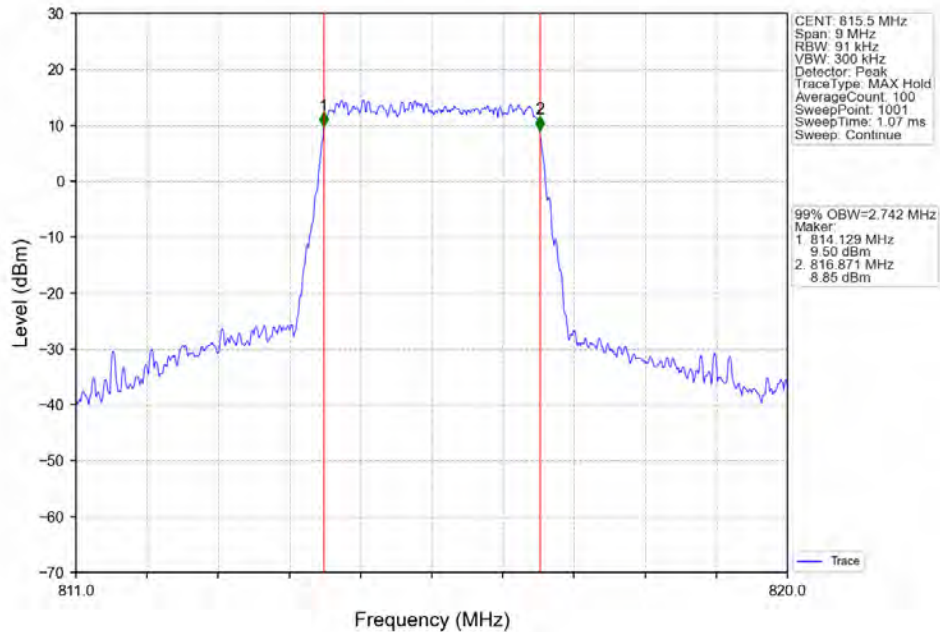
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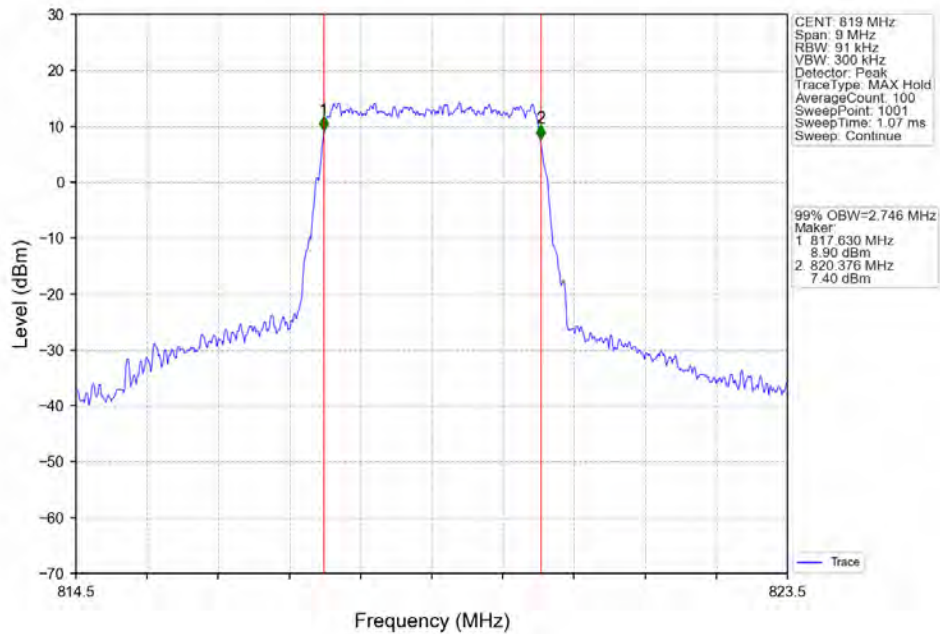
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Band26a_3MHz_256QAM_HCH_822.5MHz_RB_15_0_NTNV



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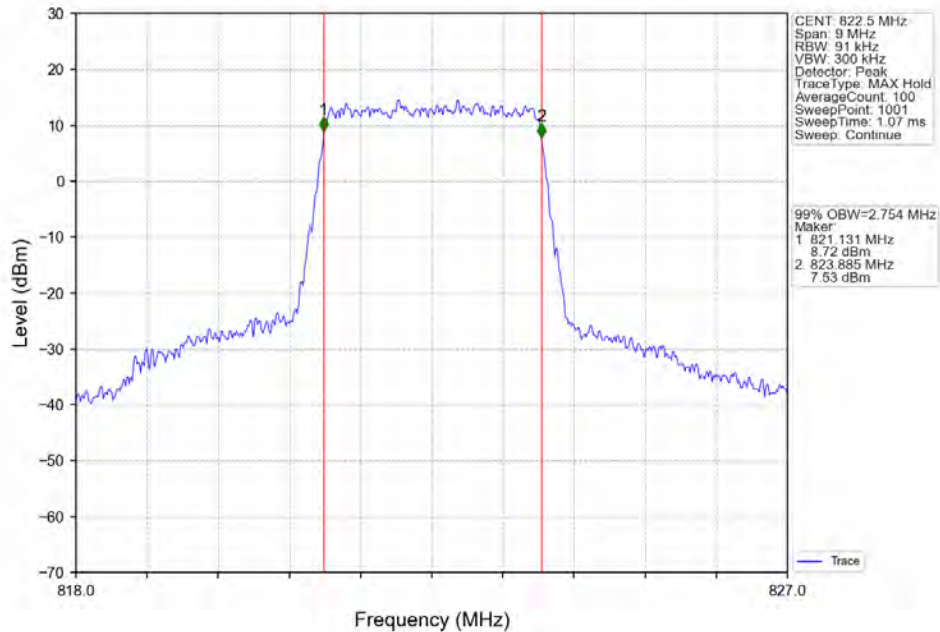
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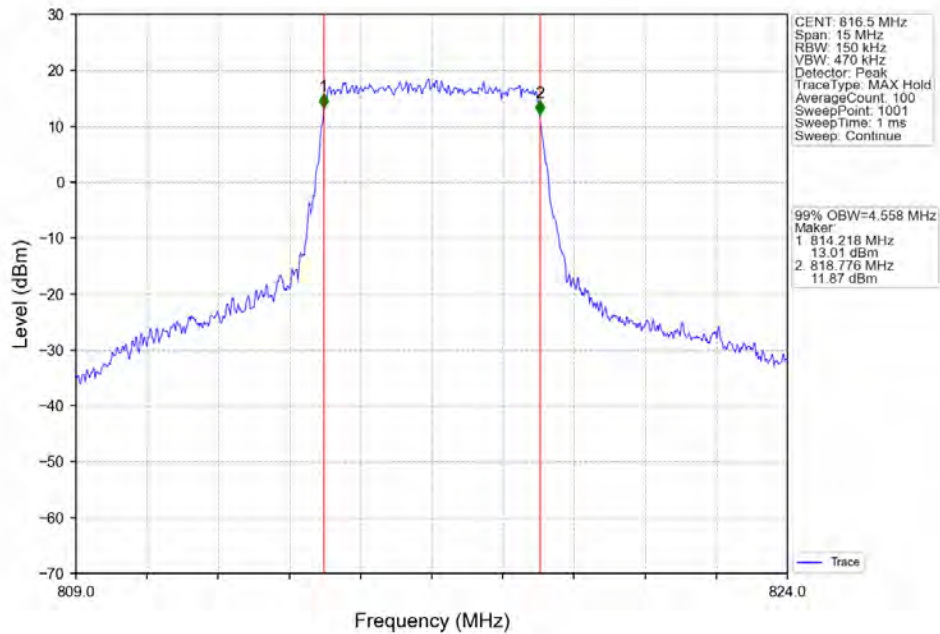
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Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



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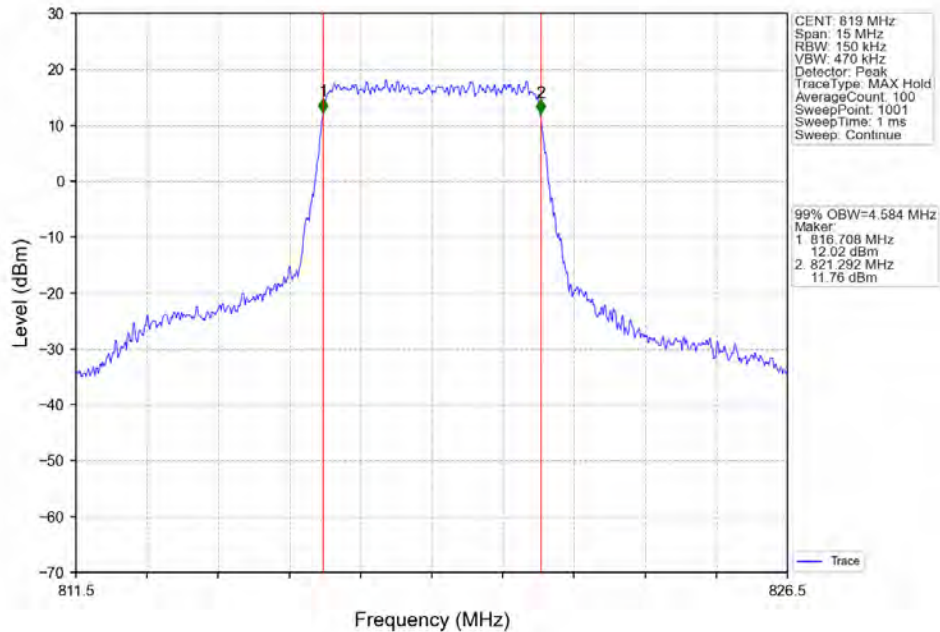
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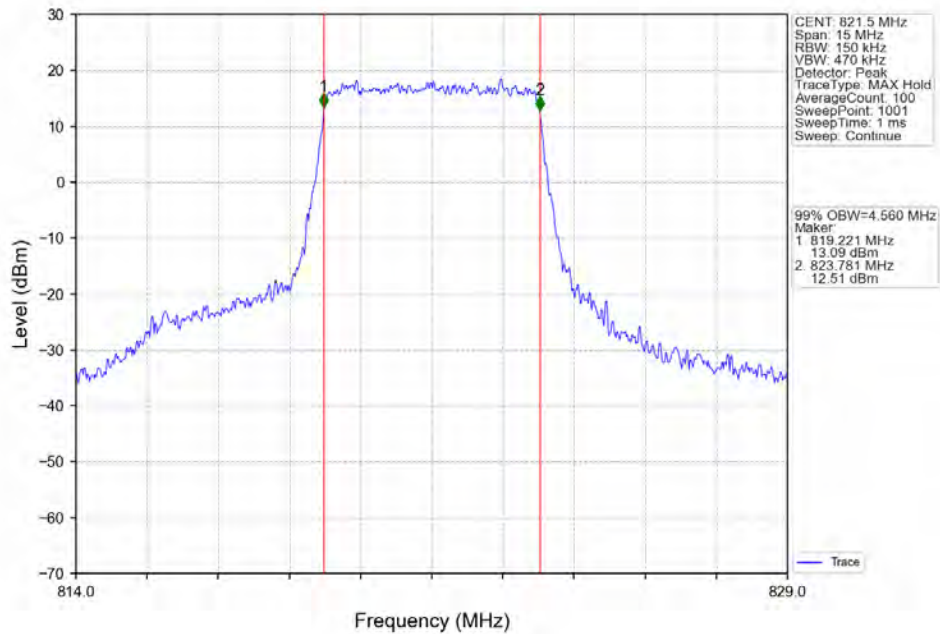
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Band26a 5MHz QPSK HCH 821.5MHz RB 25 0 NTN



Band26a 5MHz 16QAM LCH 816.5MHz RB 25 0 NTN



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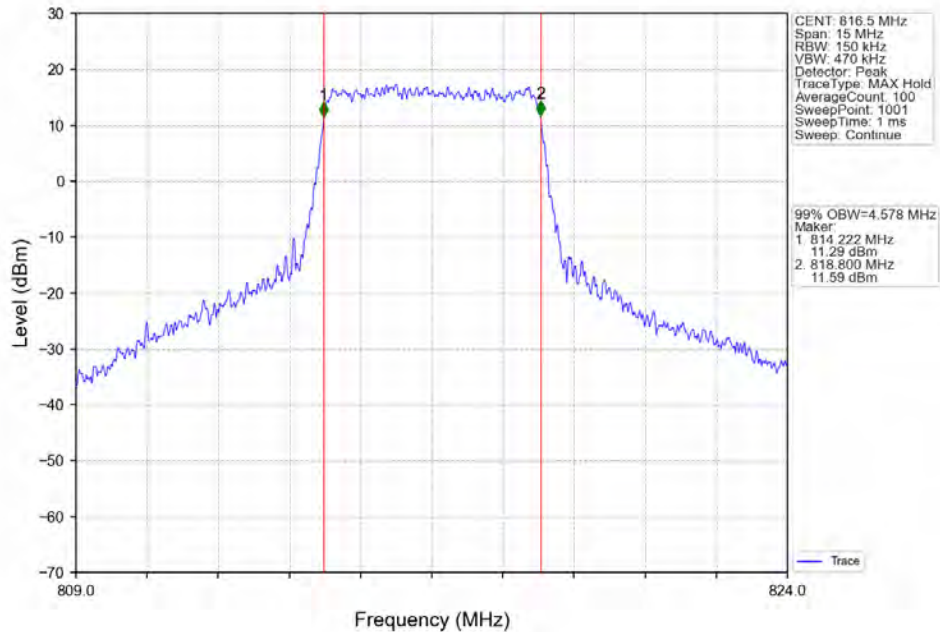
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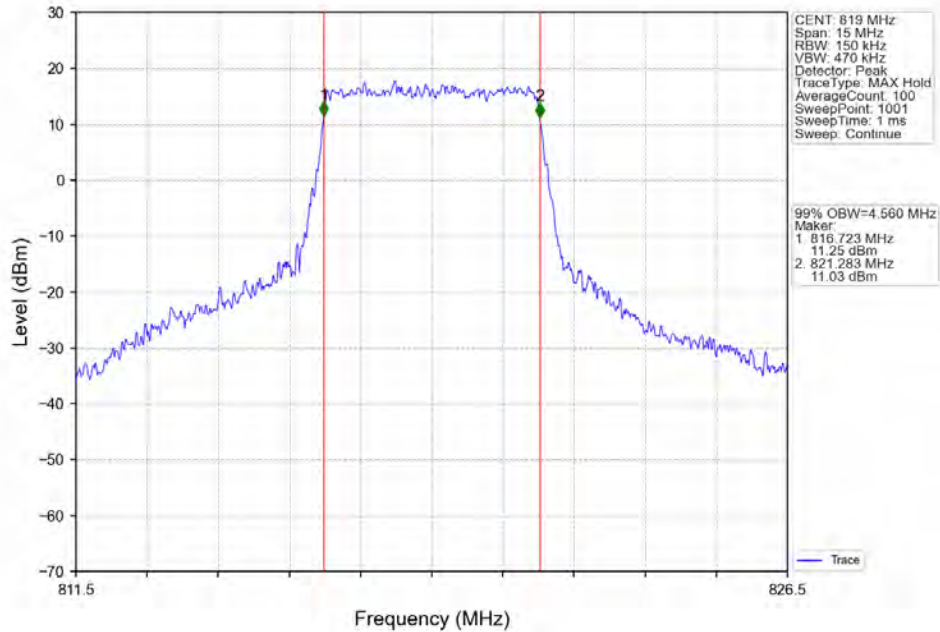
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Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



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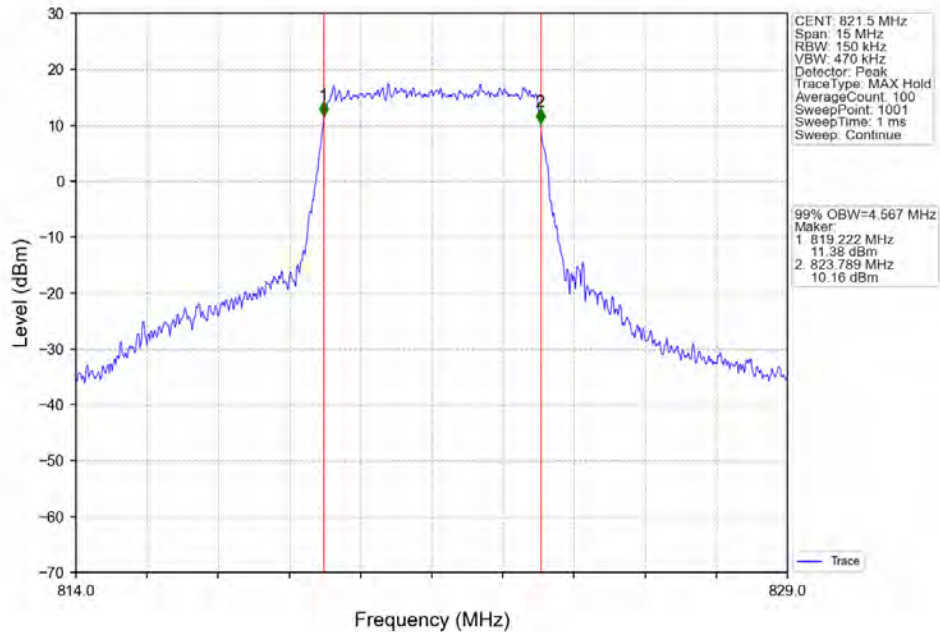
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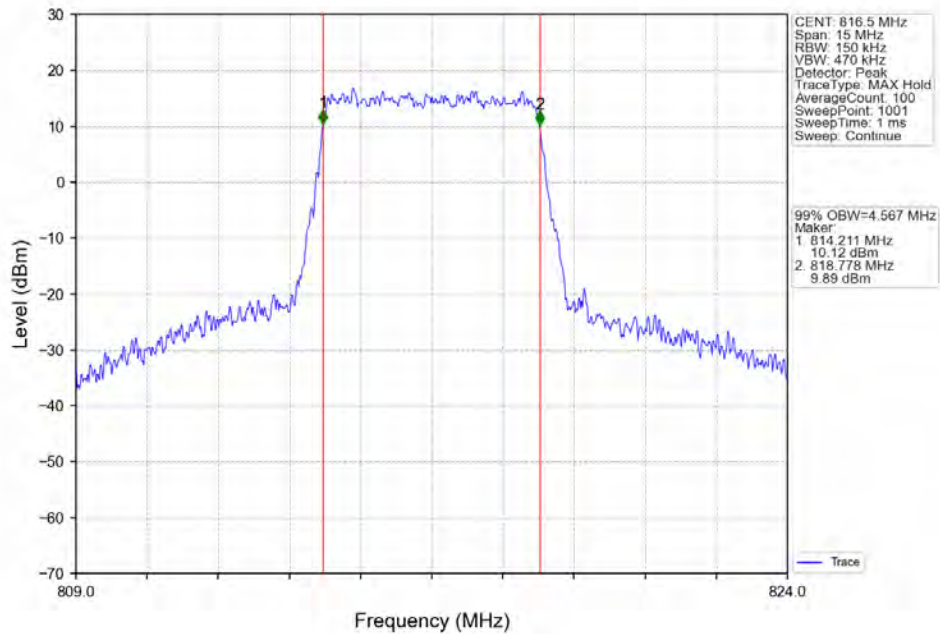
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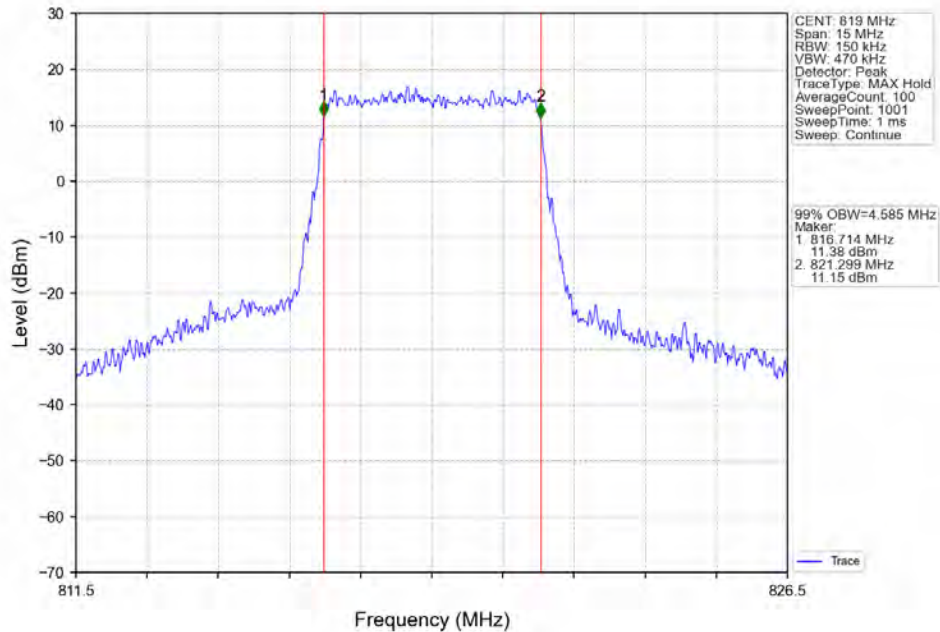
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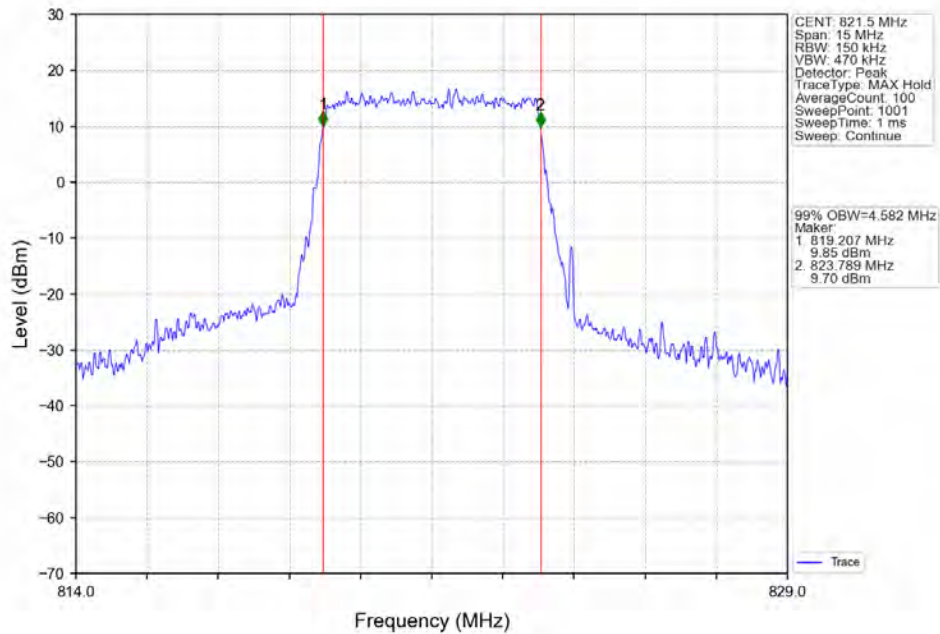
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Band26a_5MHz_256QAM_LCH_816.5MHz_RB_25_0_NTNV



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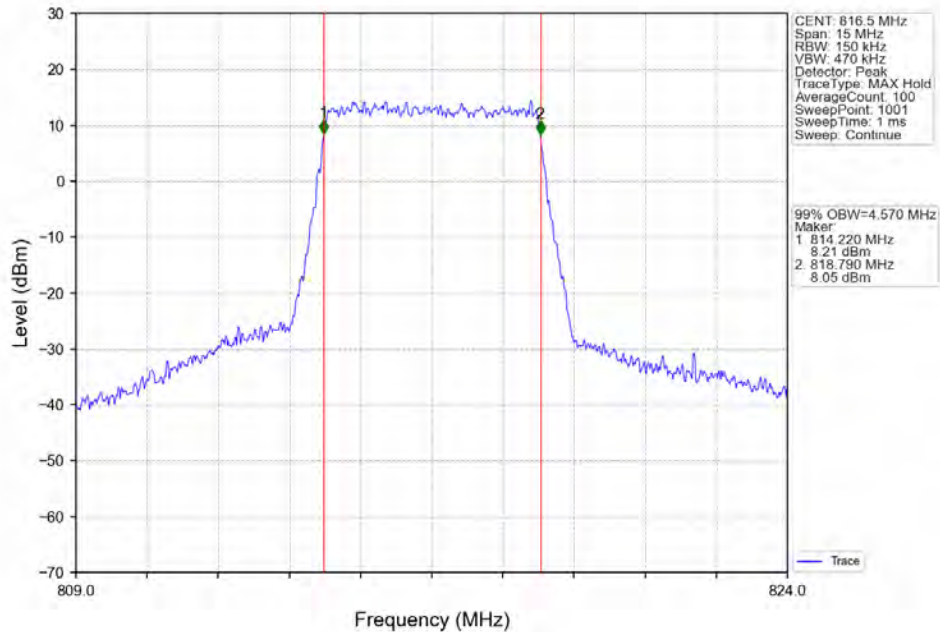
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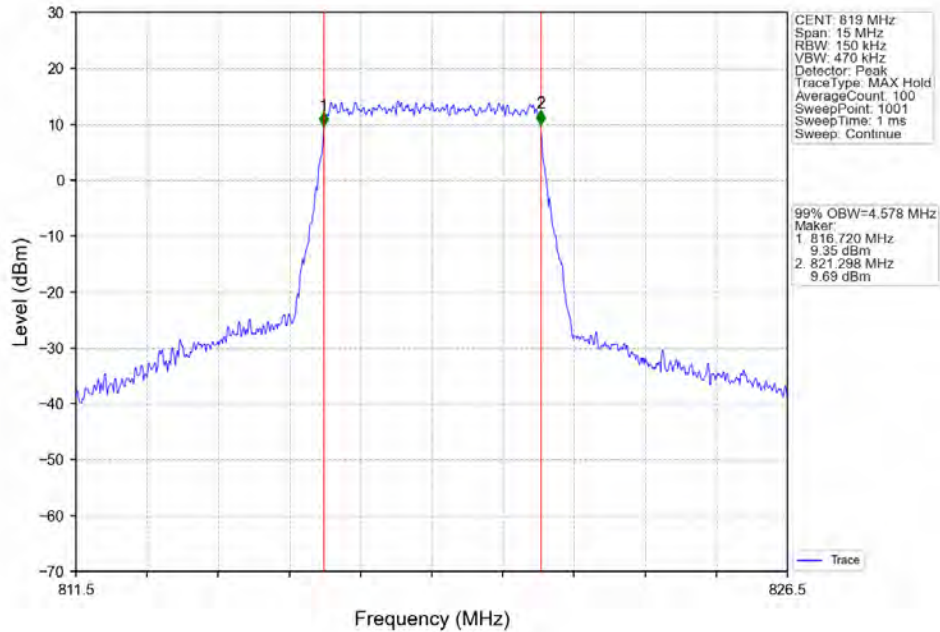
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Band26a_5MHz_256QAM_MCH_819MHz_RB_25_0_NTNV



Band26a_5MHz_256QAM_HCH_821.5MHz_RB_25_0_NTNV



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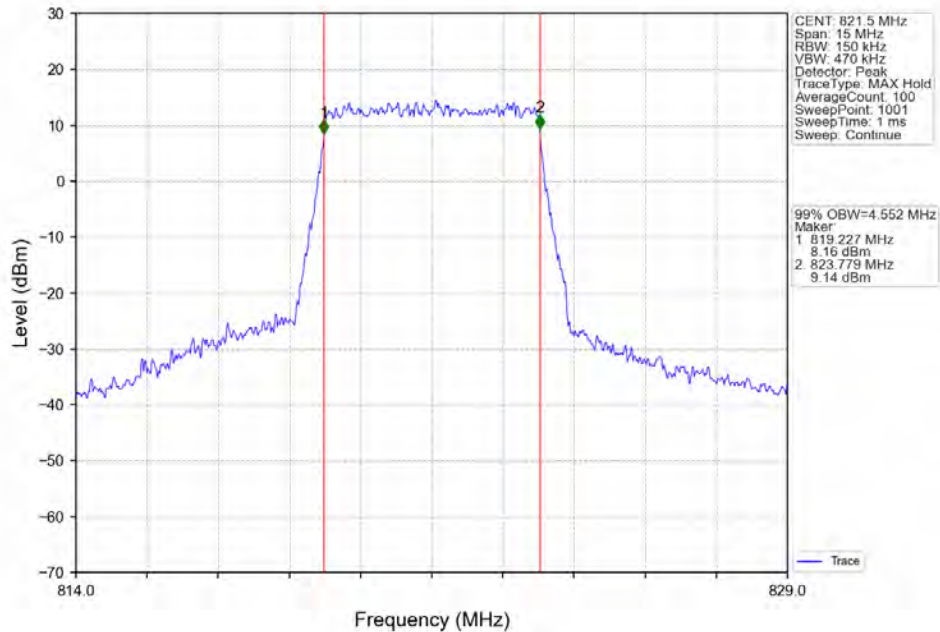
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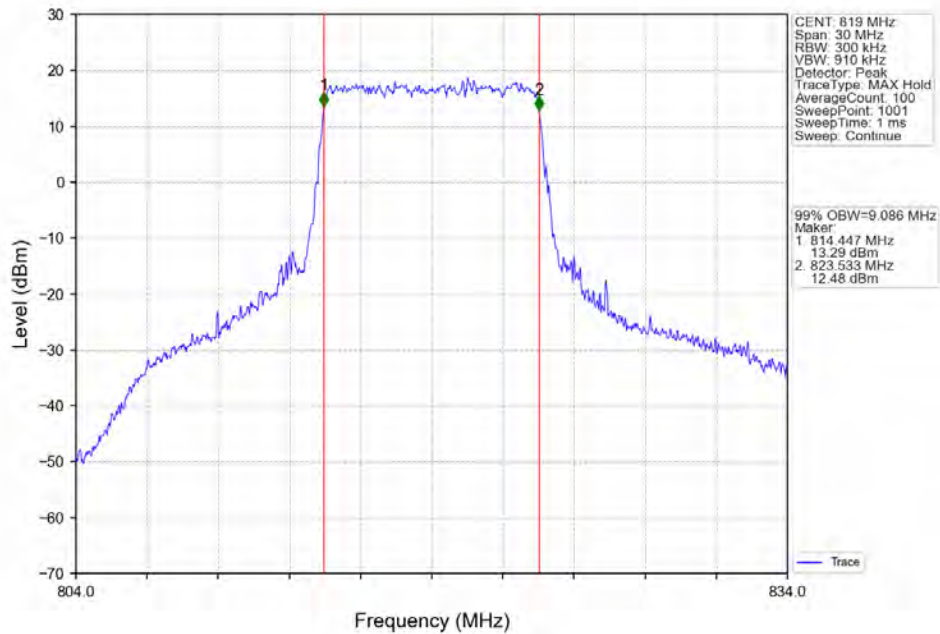
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Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



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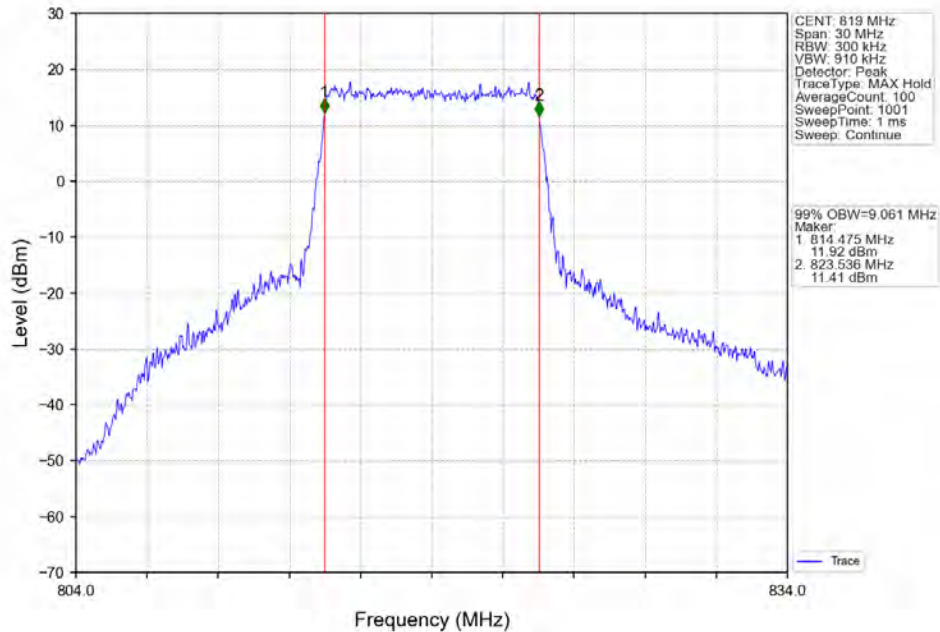
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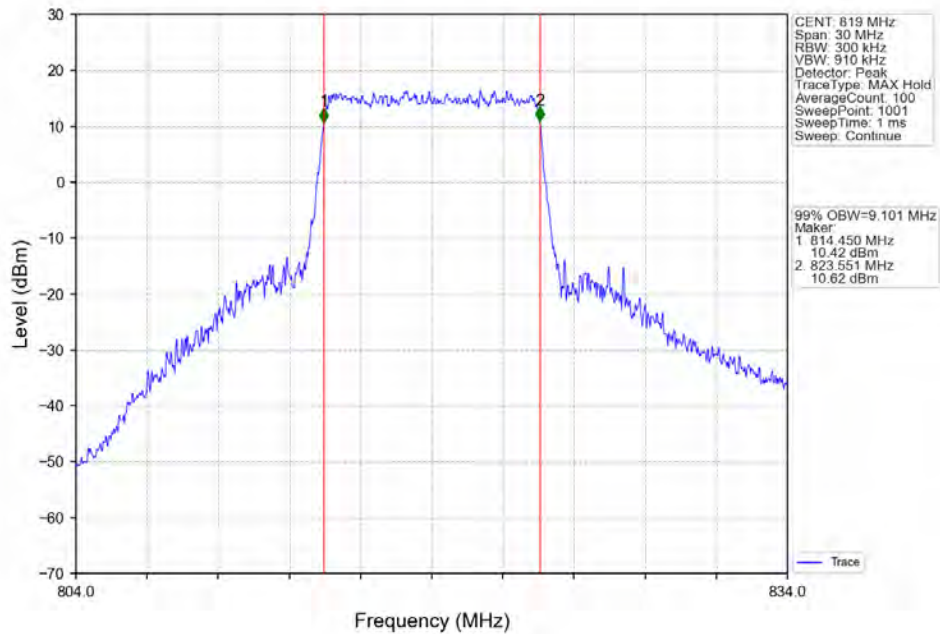
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Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



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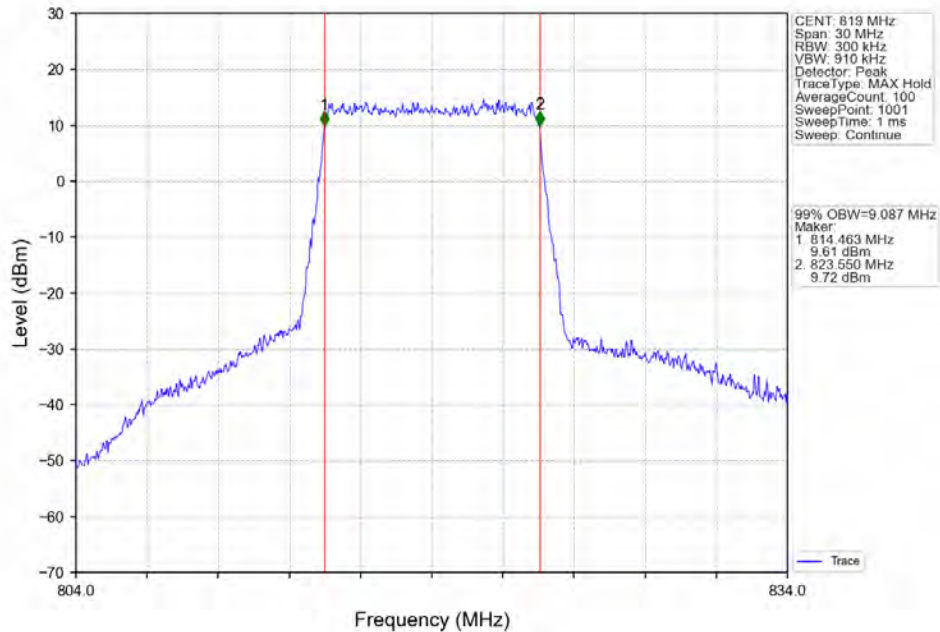
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4.2 Band26a_XDB

4.2.1 Test Result

Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.359	/	Pass
		819	6	0	1.429	/	Pass
		823.3	6	0	1.389	/	Pass
	16QAM	814.7	6	0	1.402	/	Pass
		819	6	0	1.397	/	Pass
		823.3	6	0	1.401	/	Pass
	64QAM	814.7	6	0	1.384	/	Pass
		819	6	0	1.410	/	Pass
		823.3	6	0	1.371	/	Pass
	256QAM	814.7	6	0	1.379	/	Pass
		819	6	0	1.389	/	Pass
		823.3	6	0	1.772	/	Pass
3	QPSK	815.5	15	0	3.121	/	Pass
		819	15	0	3.125	/	Pass
		822.5	15	0	3.100	/	Pass
	16QAM	815.5	15	0	3.112	/	Pass
		819	15	0	3.170	/	Pass
		822.5	15	0	3.109	/	Pass
	64QAM	815.5	15	0	3.112	/	Pass
		819	15	0	3.126	/	Pass
		822.5	15	0	3.122	/	Pass
	256QAM	815.5	15	0	3.163	/	Pass
		819	15	0	3.123	/	Pass
		822.5	15	0	3.121	/	Pass
5	QPSK	816.5	25	0	5.251	/	Pass
		819	25	0	5.291	/	Pass
		821.5	25	0	5.240	/	Pass
	16QAM	816.5	25	0	5.307	/	Pass
		819	25	0	5.222	/	Pass
		821.5	25	0	5.258	/	Pass
	64QAM	816.5	25	0	5.278	/	Pass
		819	25	0	5.217	/	Pass
		821.5	25	0	5.189	/	Pass
	256QAM	816.5	25	0	5.239	/	Pass
		819	25	0	5.258	/	Pass
		821.5	25	0	5.220	/	Pass
10	QPSK	819	50	0	10.064	/	Pass
	16QAM	819	50	0	10.214	/	Pass
	64QAM	819	50	0	10.184	/	Pass



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	256QAM	819	50	0	10.268	/	Pass
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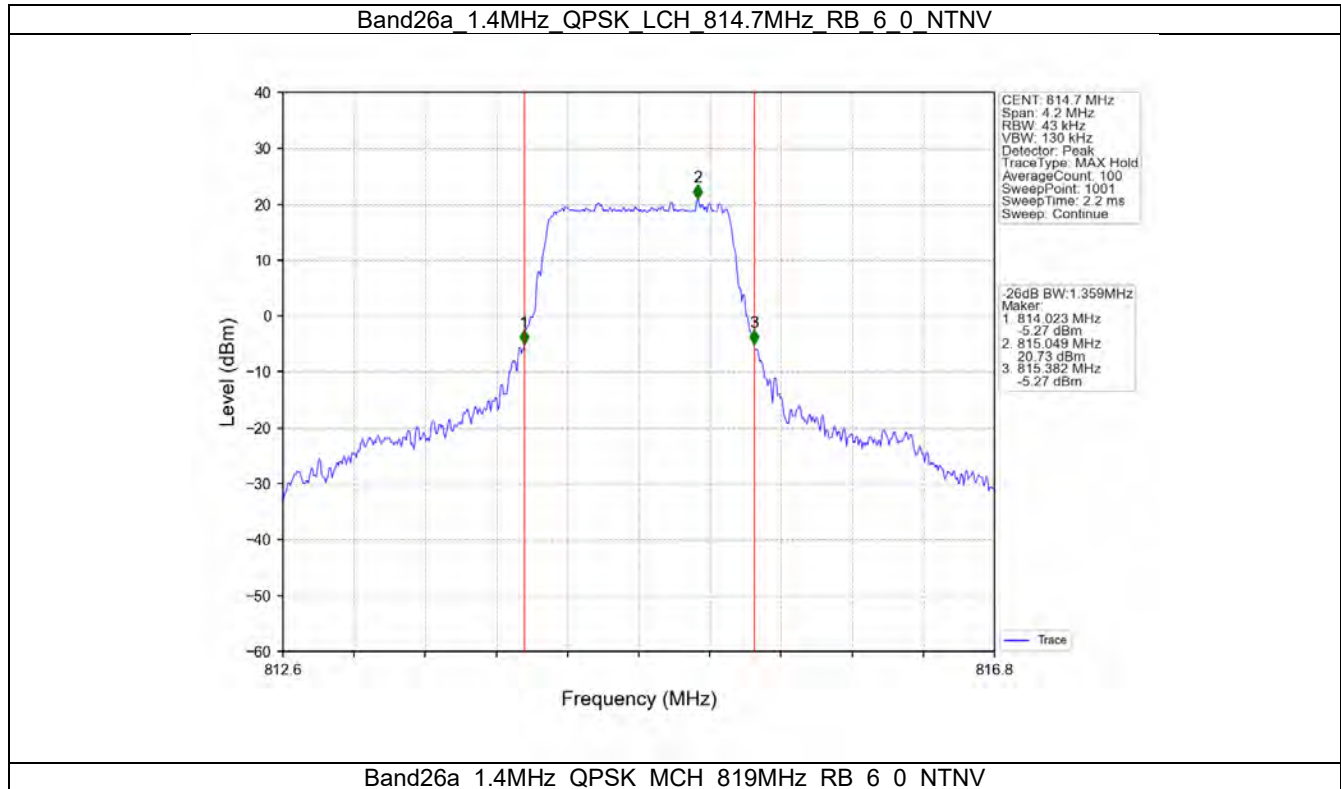
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4.2.2 Test Graph



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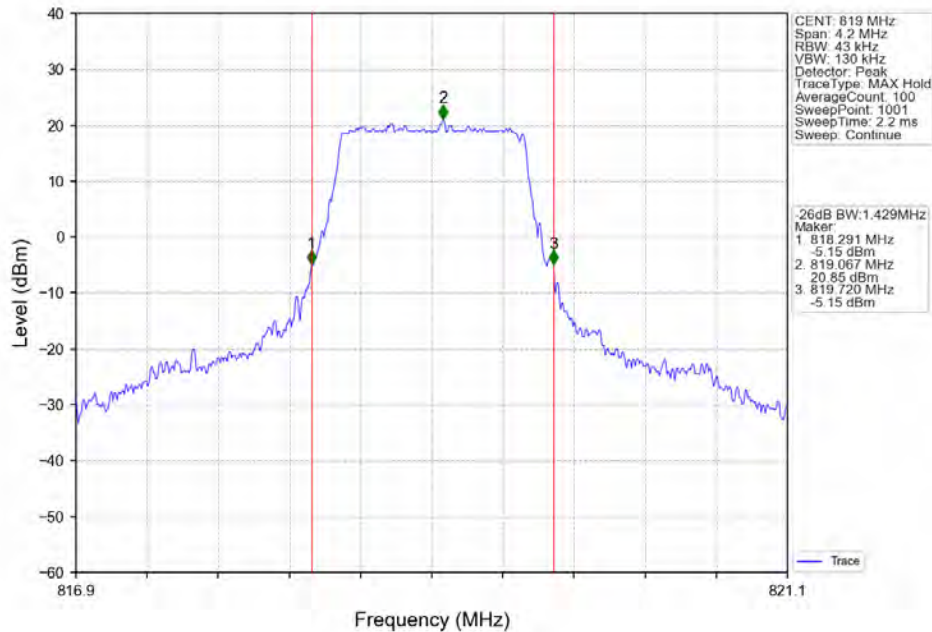
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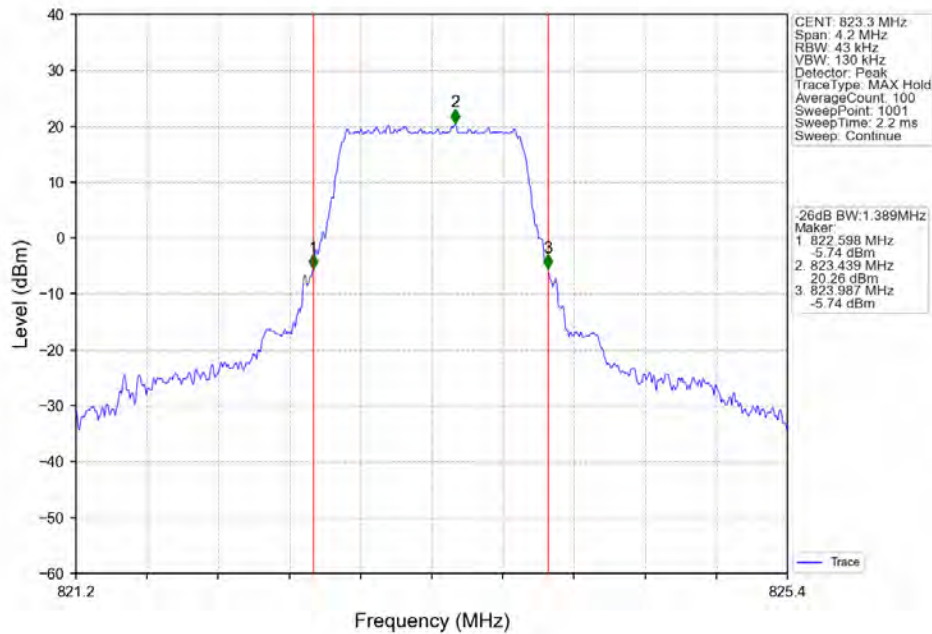
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Band26a 1.4MHz QPSK HCH 823.3MHz_RB_6_0 NTN



Band26a 1.4MHz 16QAM LCH 814.7MHz_RB_6_0 NTN



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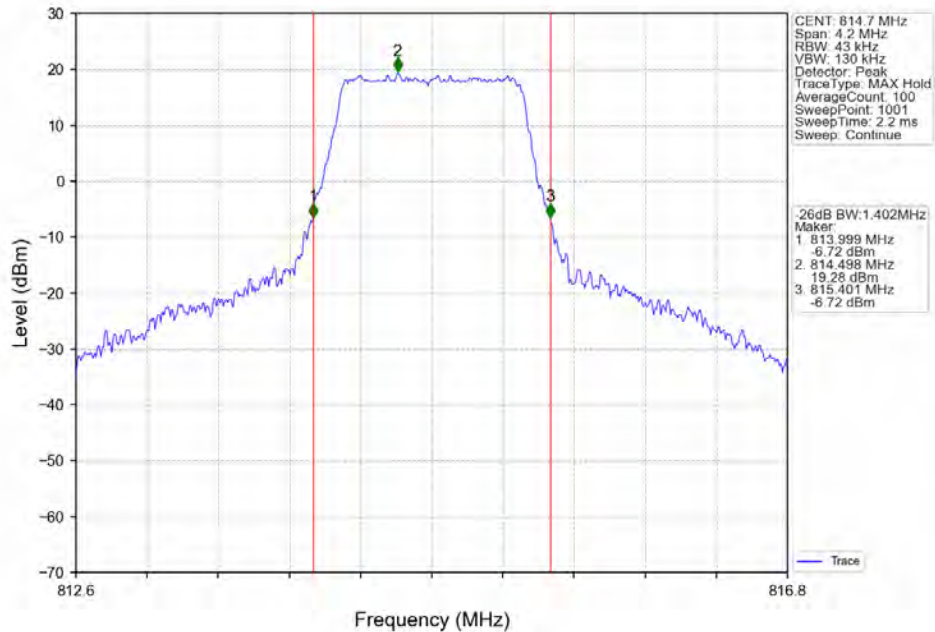
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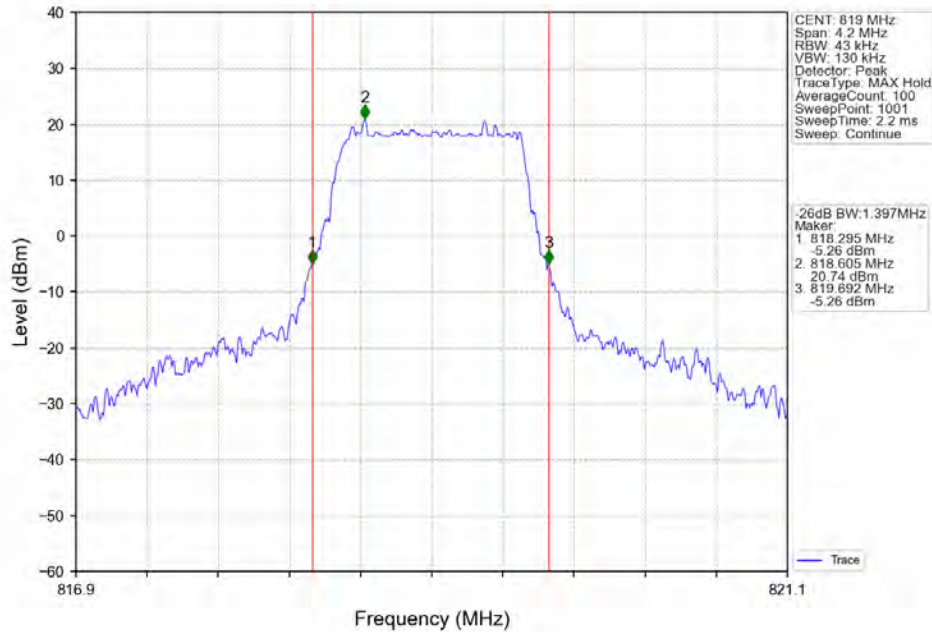
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Band26a 1.4MHz 16QAM HCH 823.3MHz_RB_6_0_NTNV



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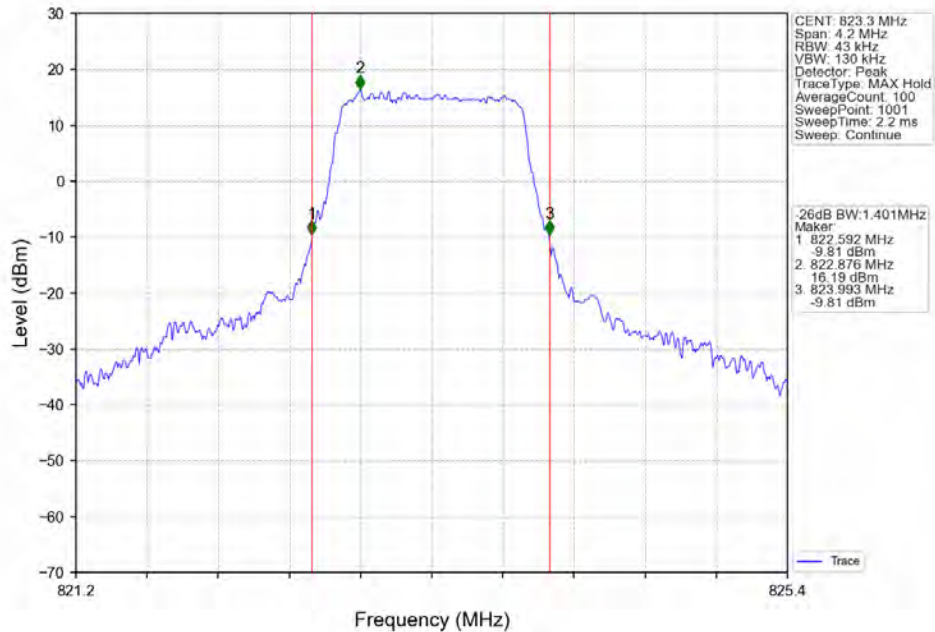
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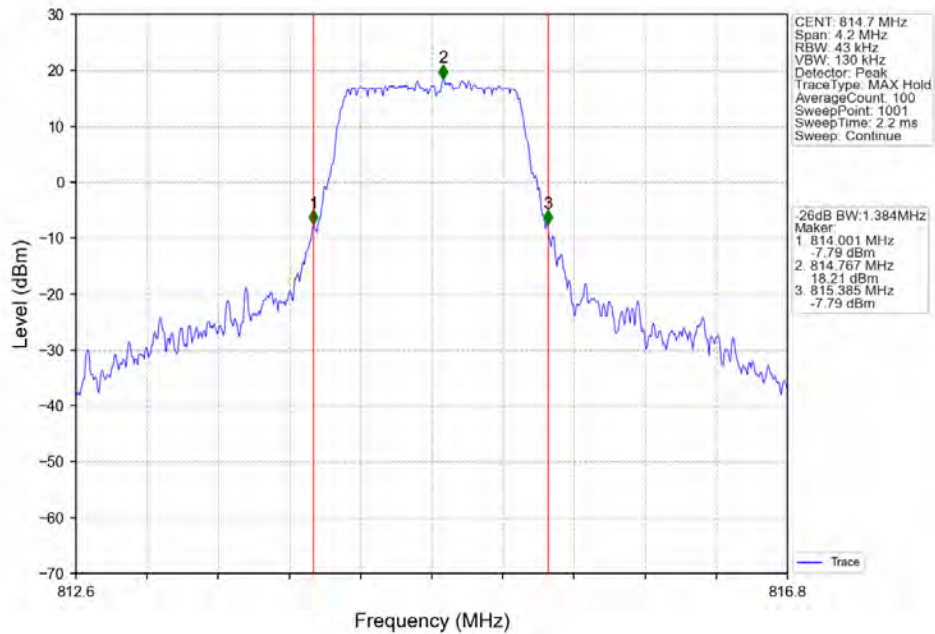
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Band26a_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV



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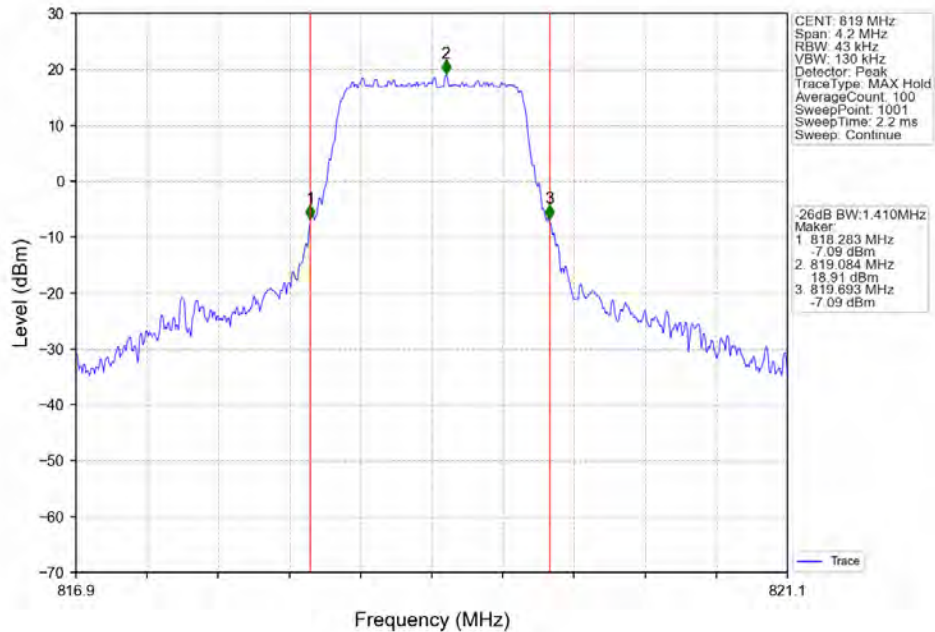
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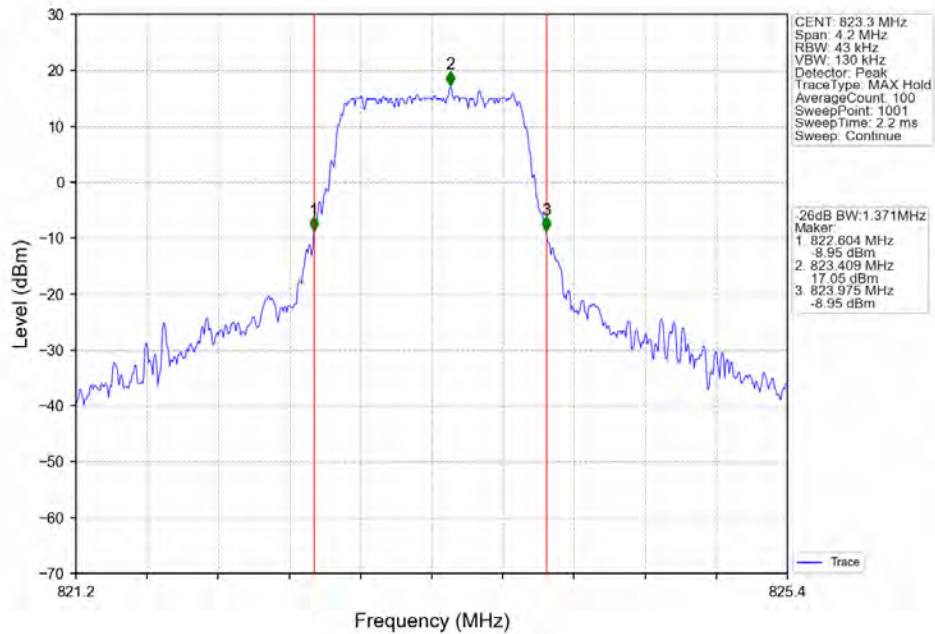
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Band26a_1.4MHz_256QAM_LCH_814.7MHz_RB_6_0_NTNV



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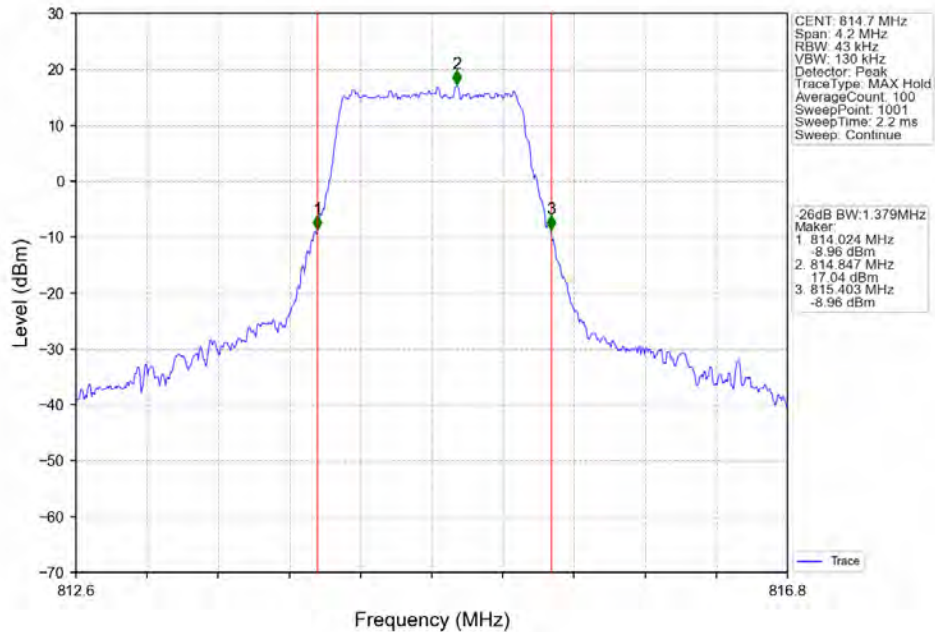
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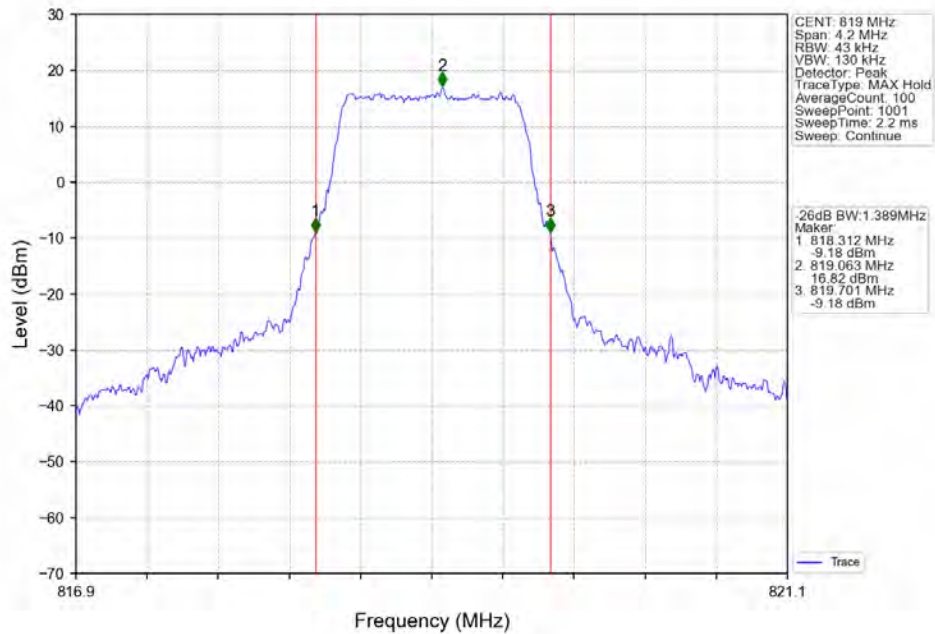
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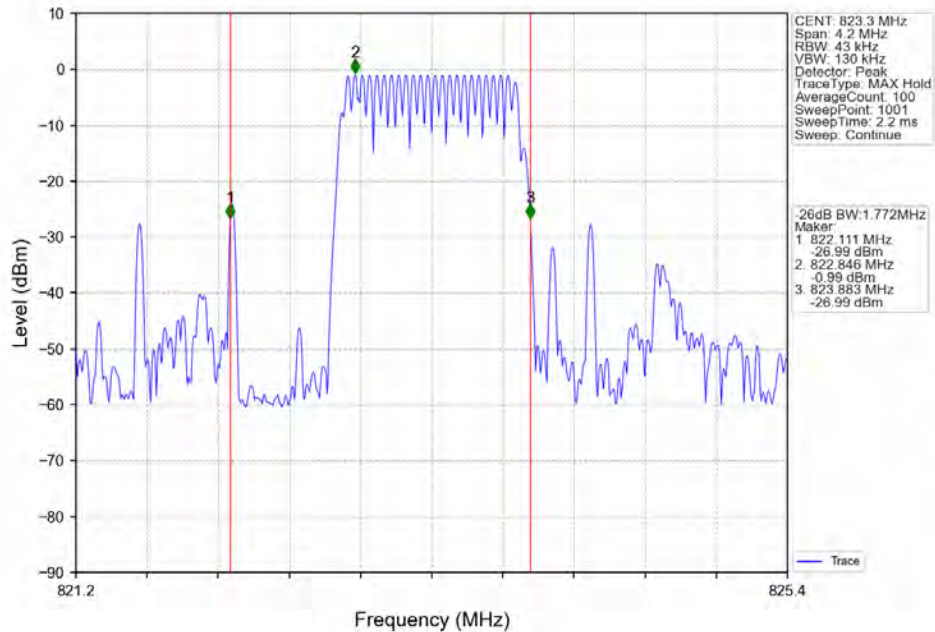
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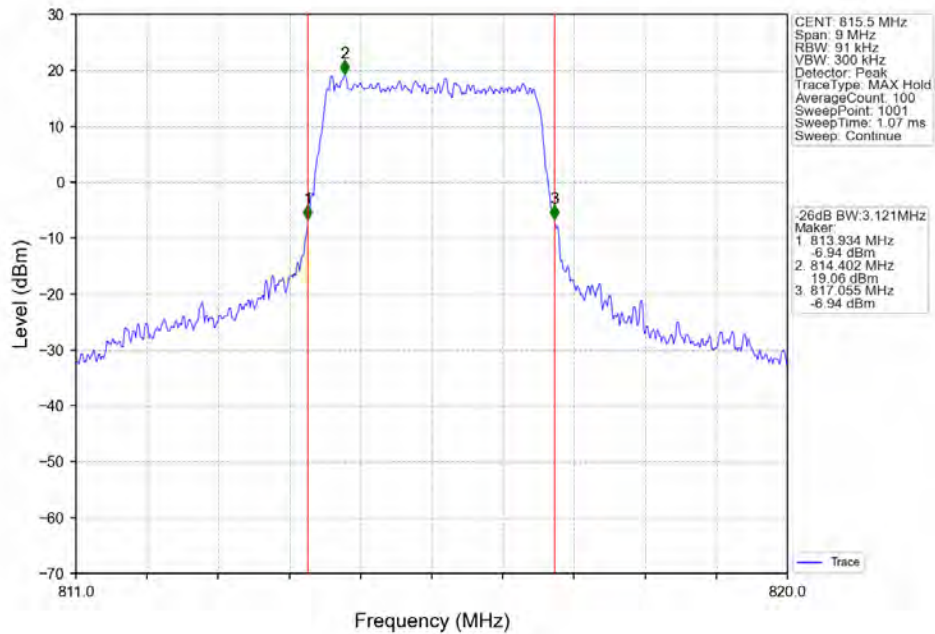
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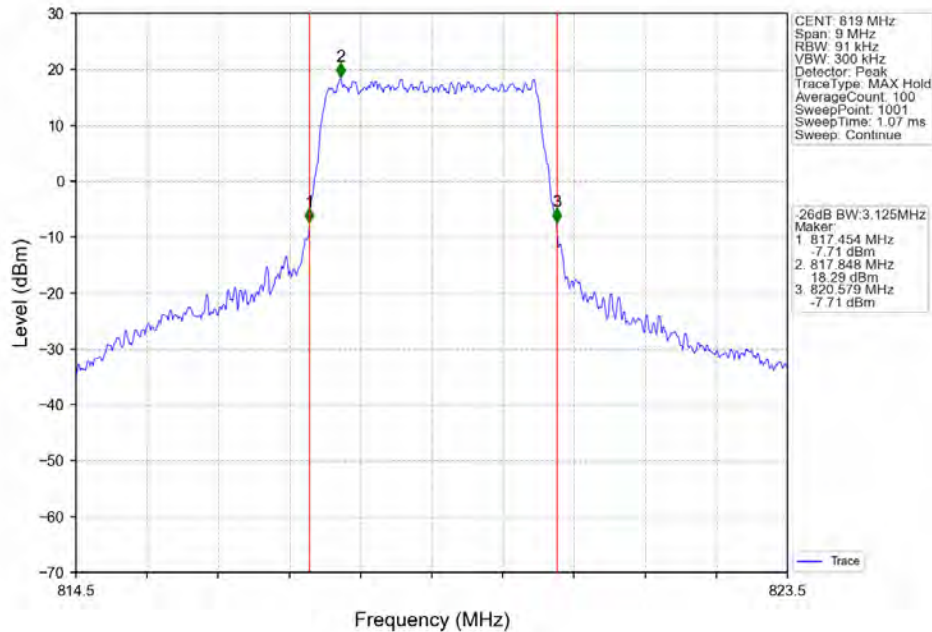
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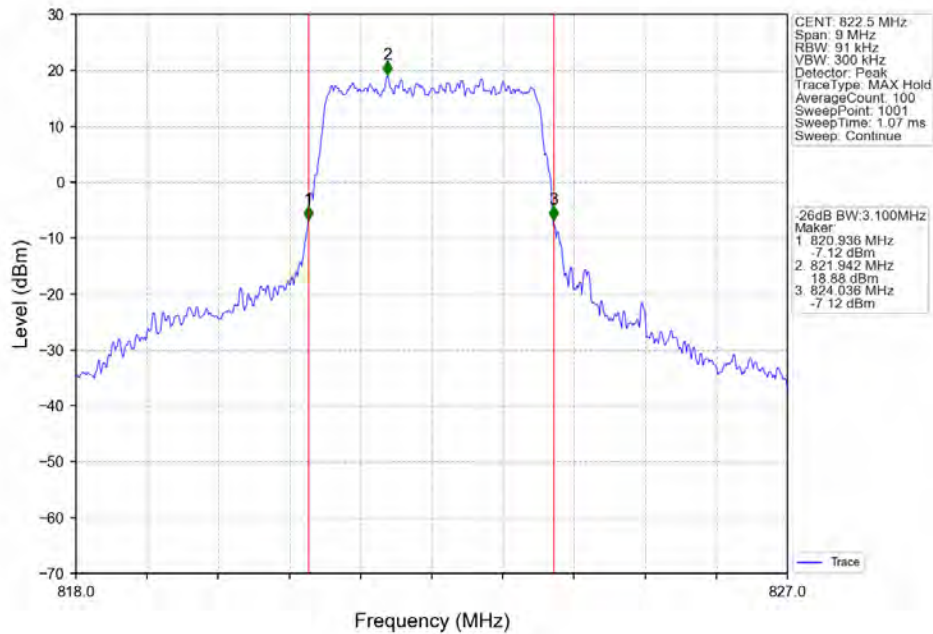
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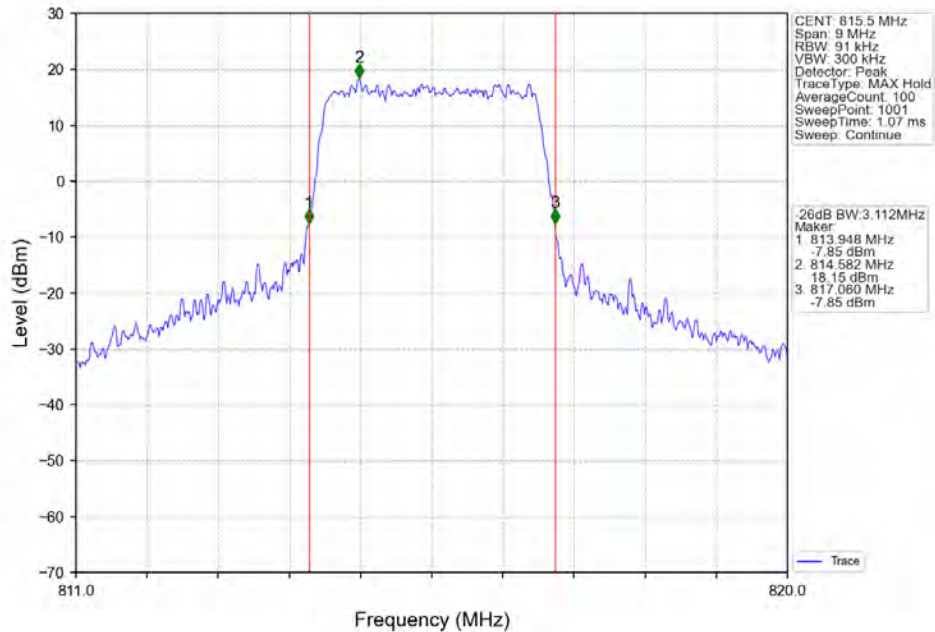
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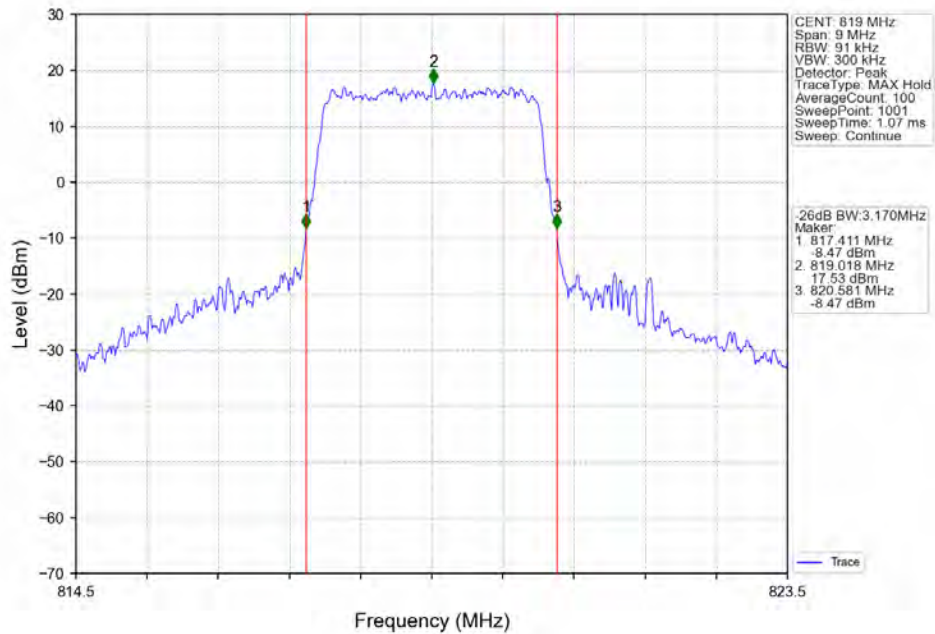
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Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV



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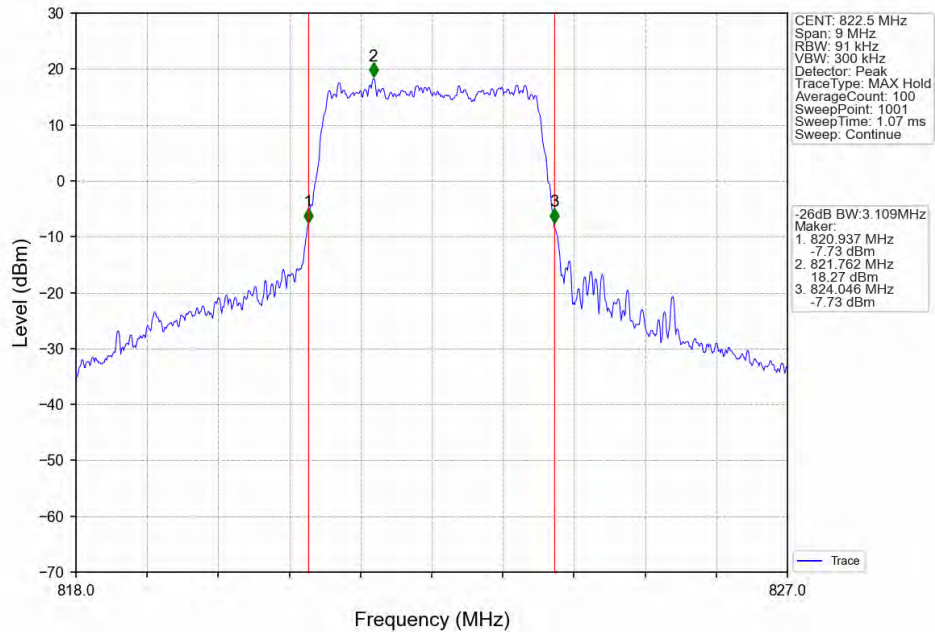
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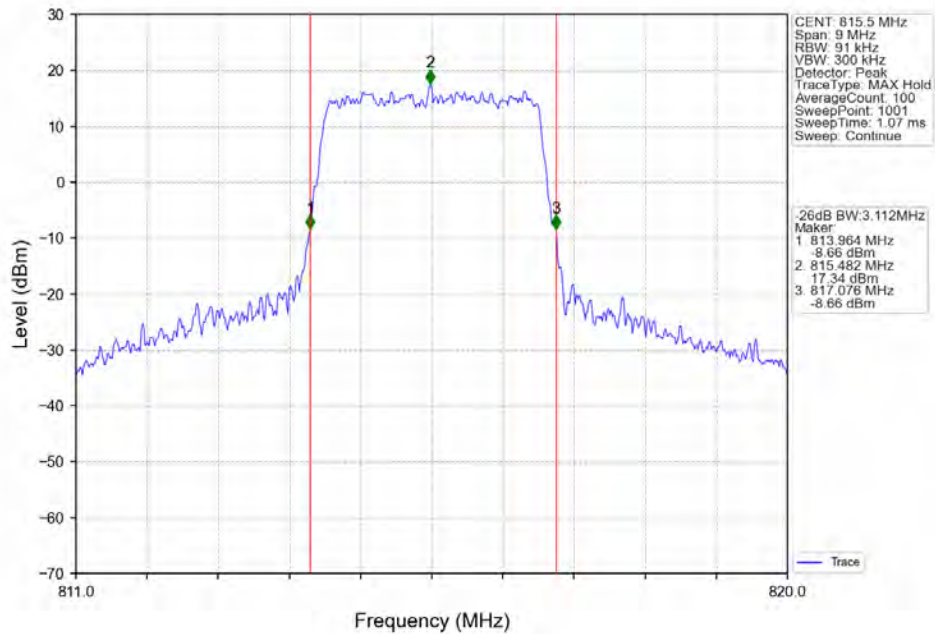
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Band26a_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV



Band26a_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV



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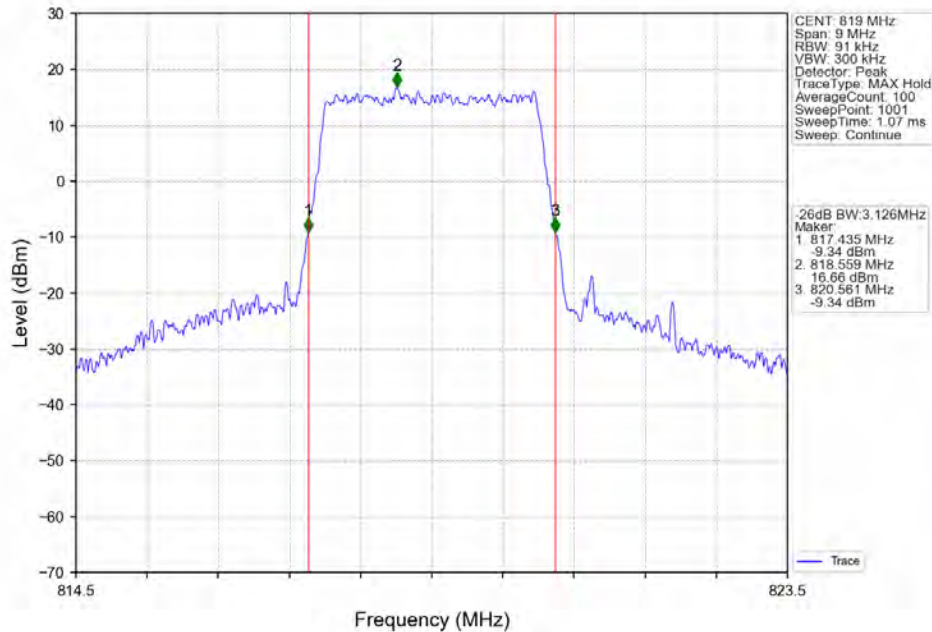
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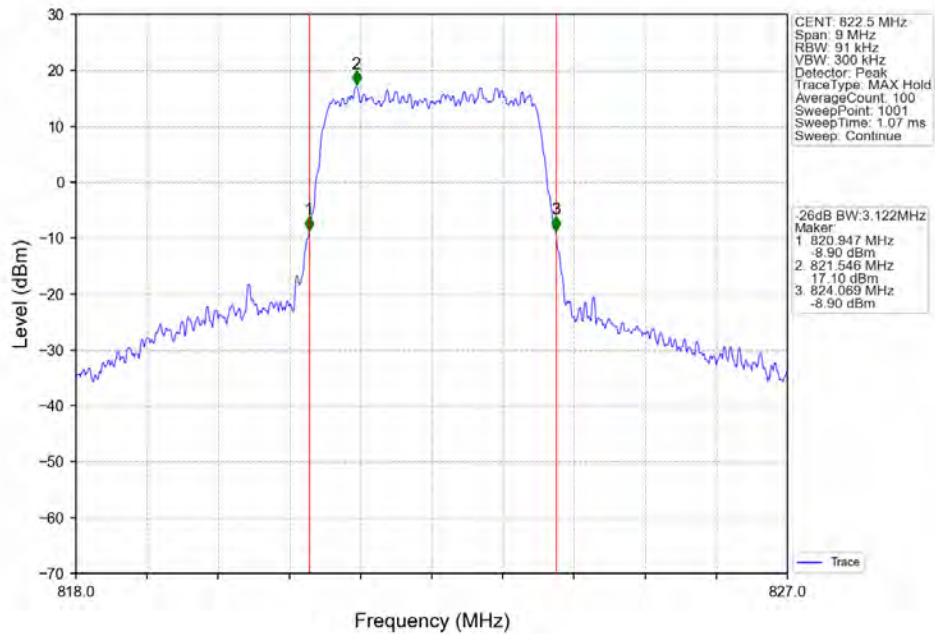
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Band26a_3MHz_256QAM_LCH_815.5MHz_RB_15_0_NTNV



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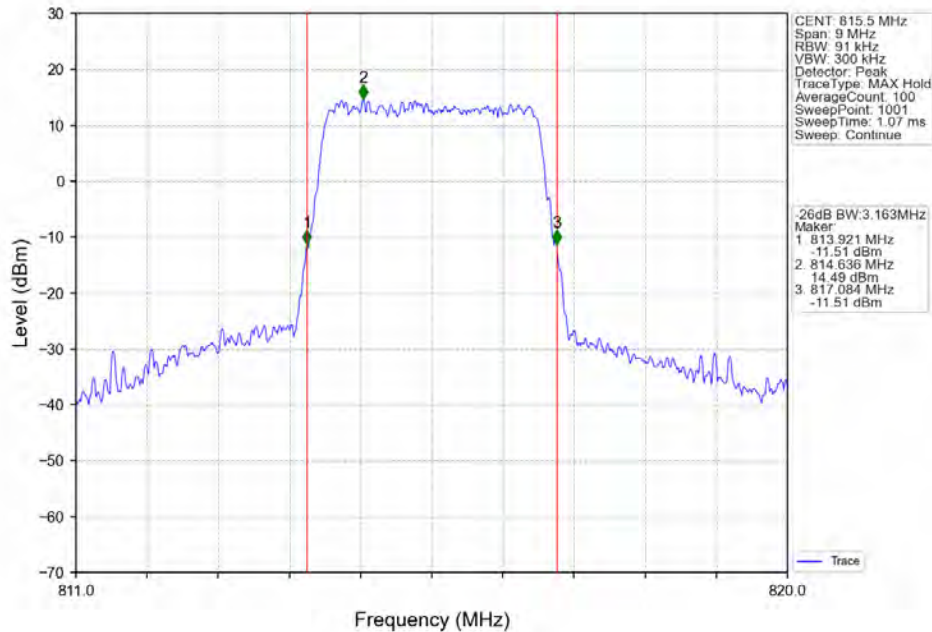
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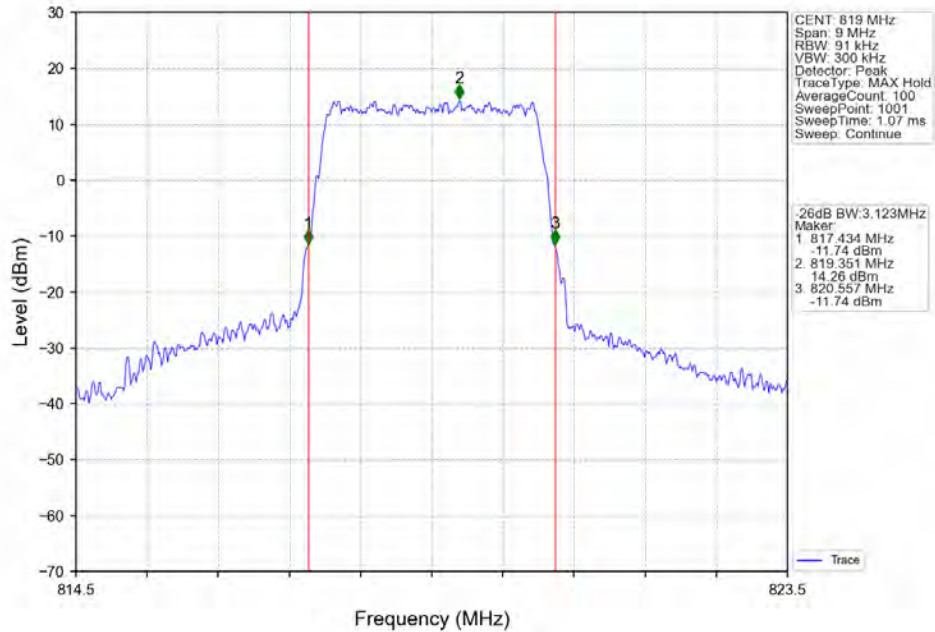
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Band26a_3MHz_256QAM_HCH_822.5MHz_RB_15_0_NTNV



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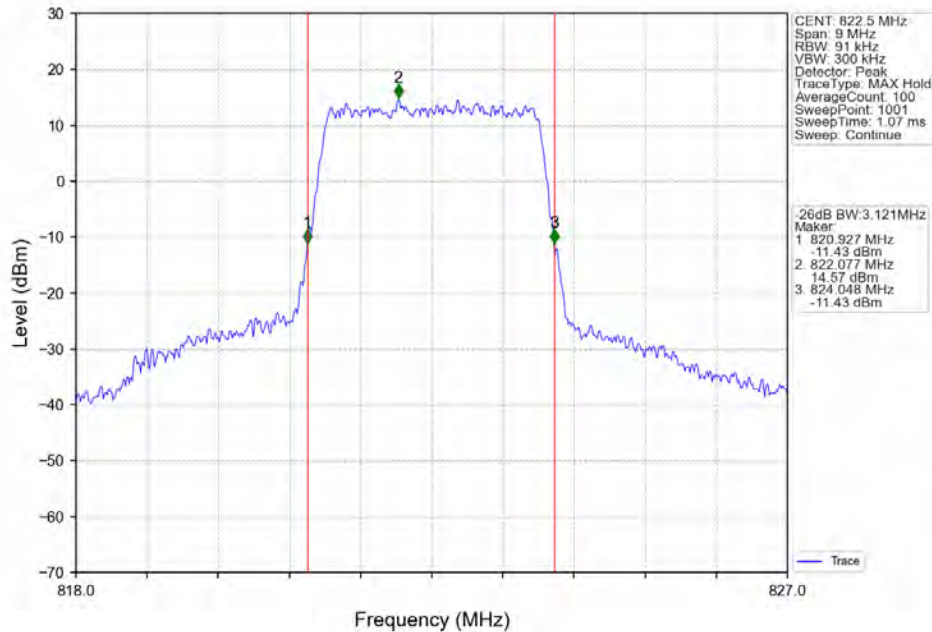
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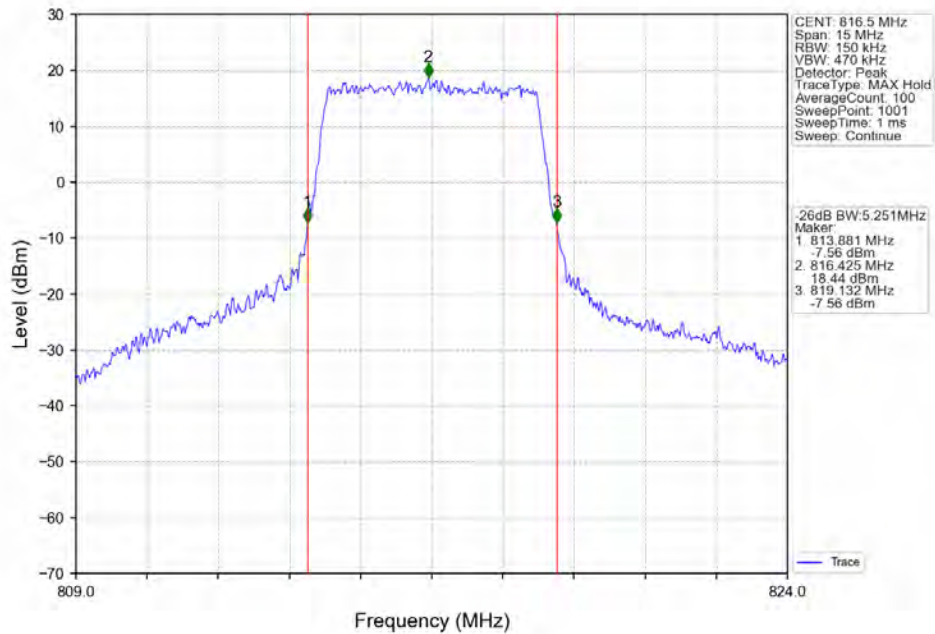
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Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



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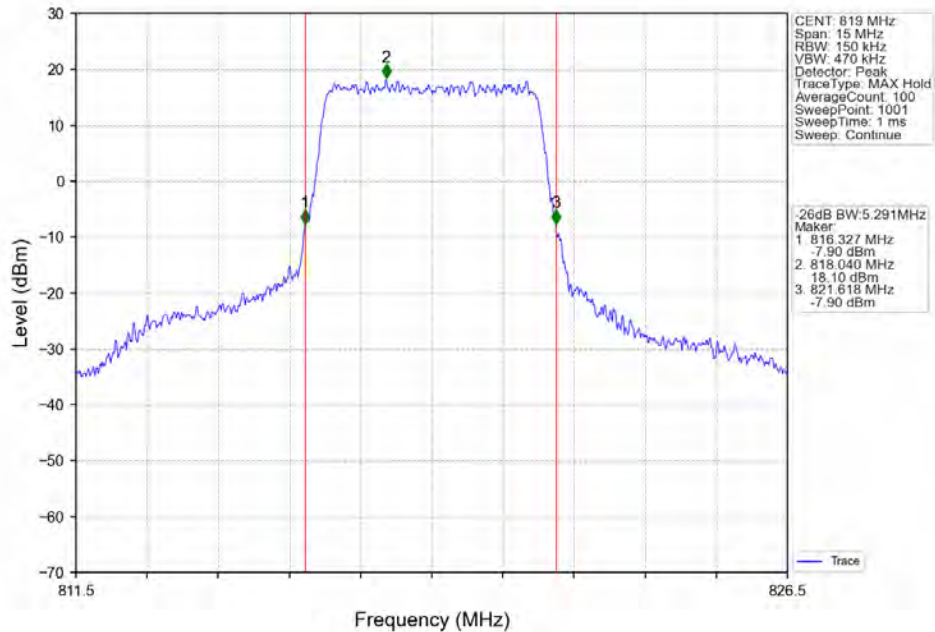
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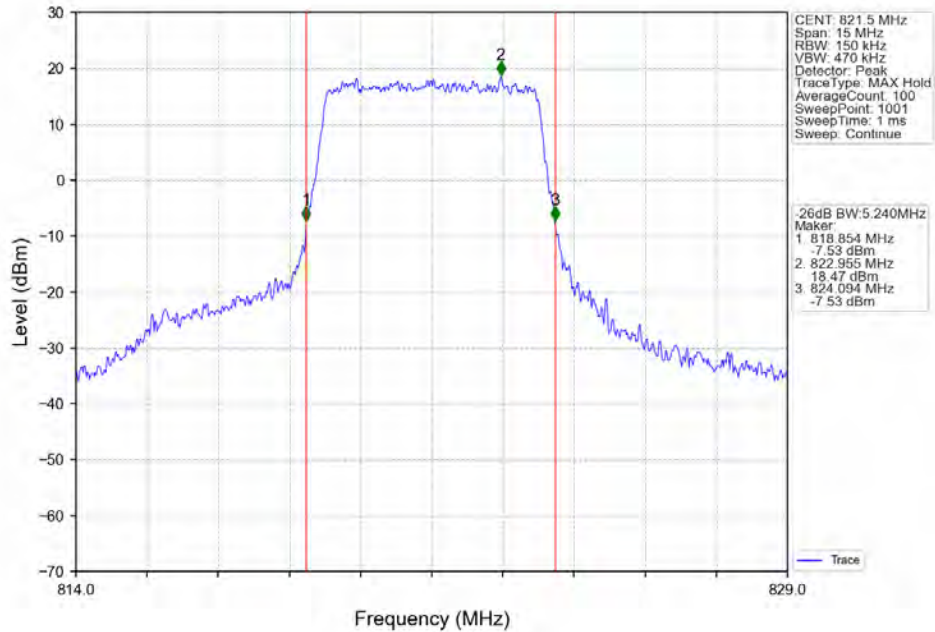
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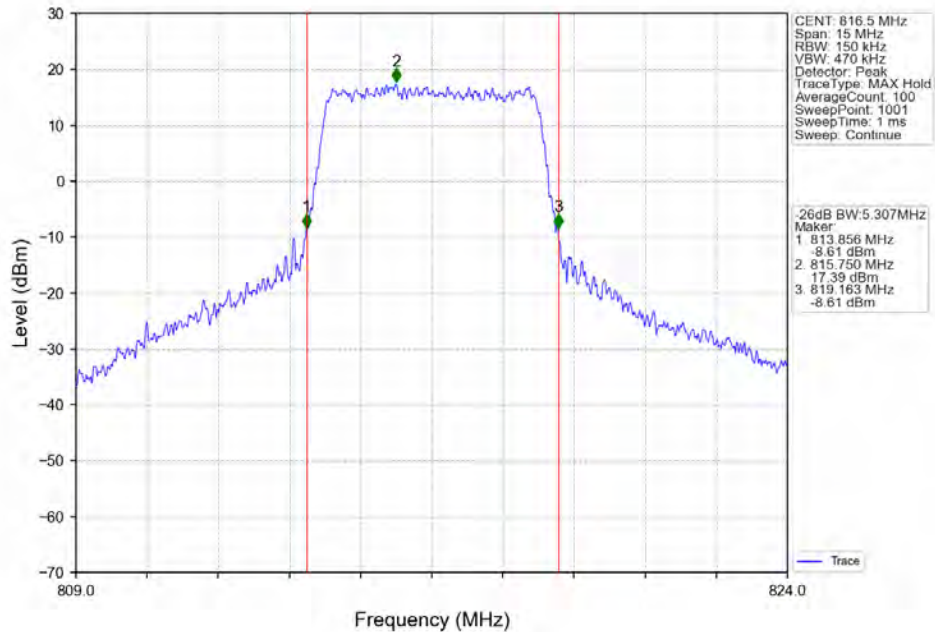
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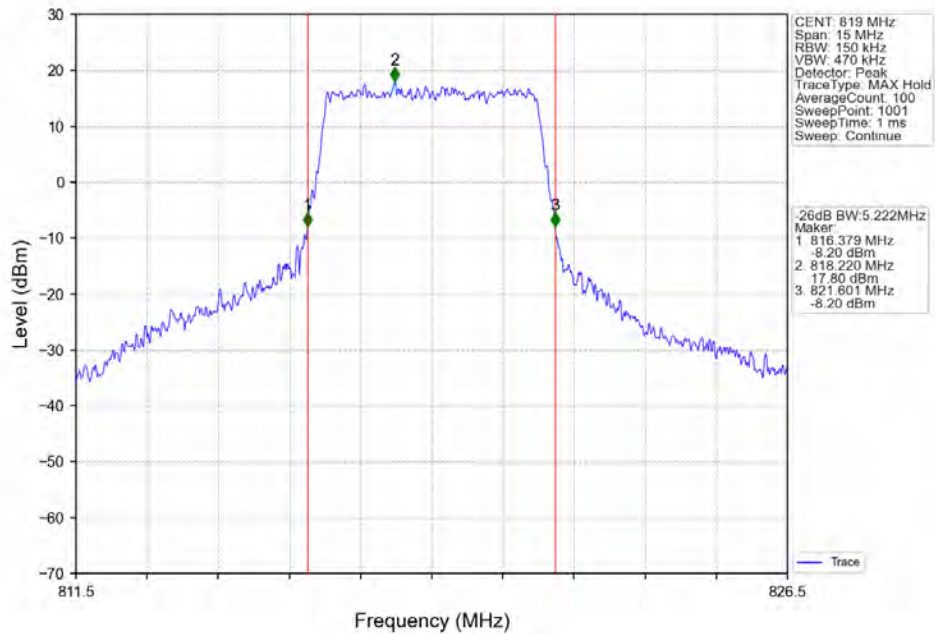
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Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



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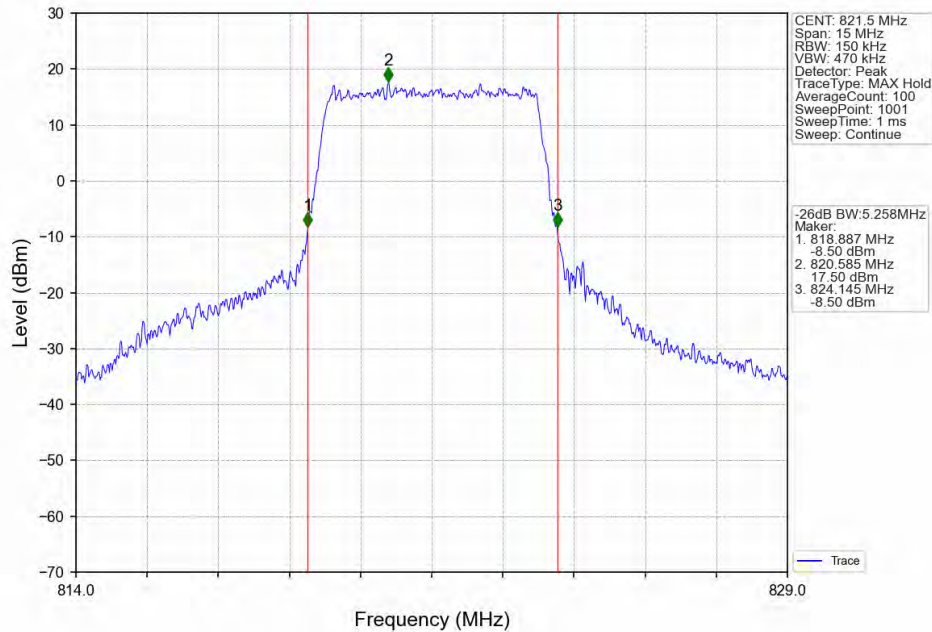
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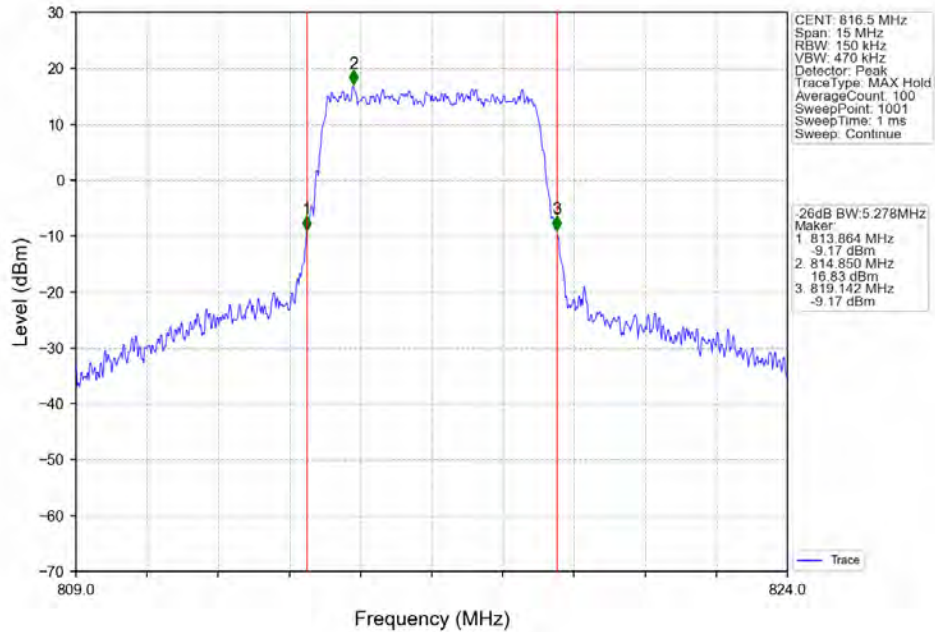
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Band26a_5MHz_64QAM_LCH_816.5MHz_RB_25_0_NTNV



Band26a_5MHz_64QAM_MCH_819MHz_RB_25_0_NTNV



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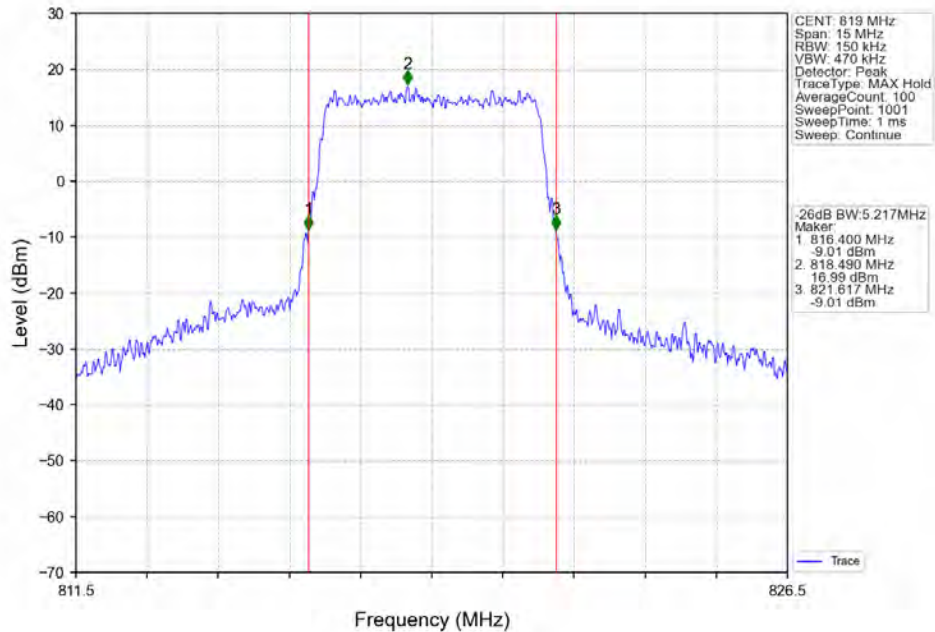
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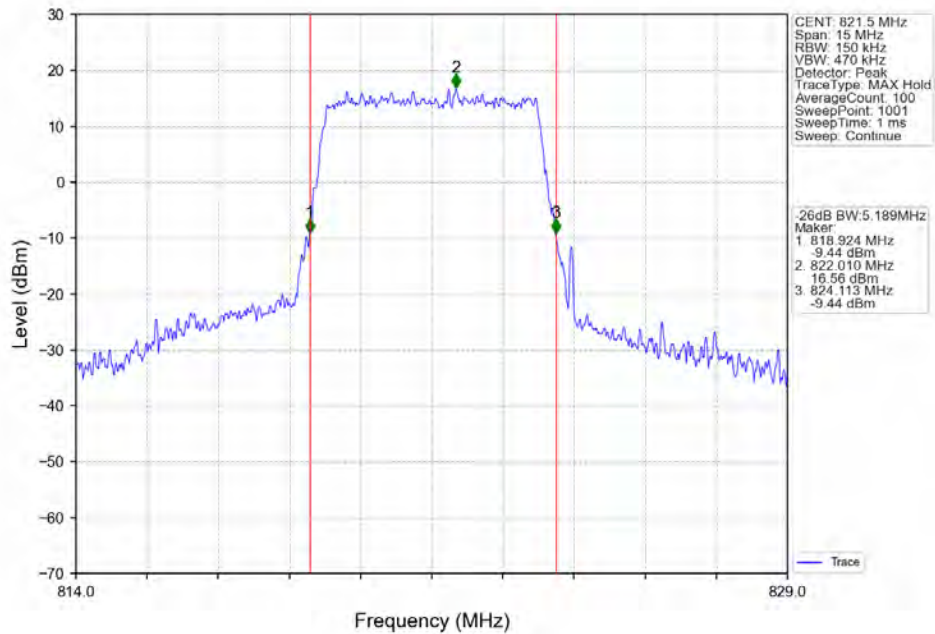
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Band26a_5MHz_256QAM_LCH_816.5MHz_RB_25_0_NTNV



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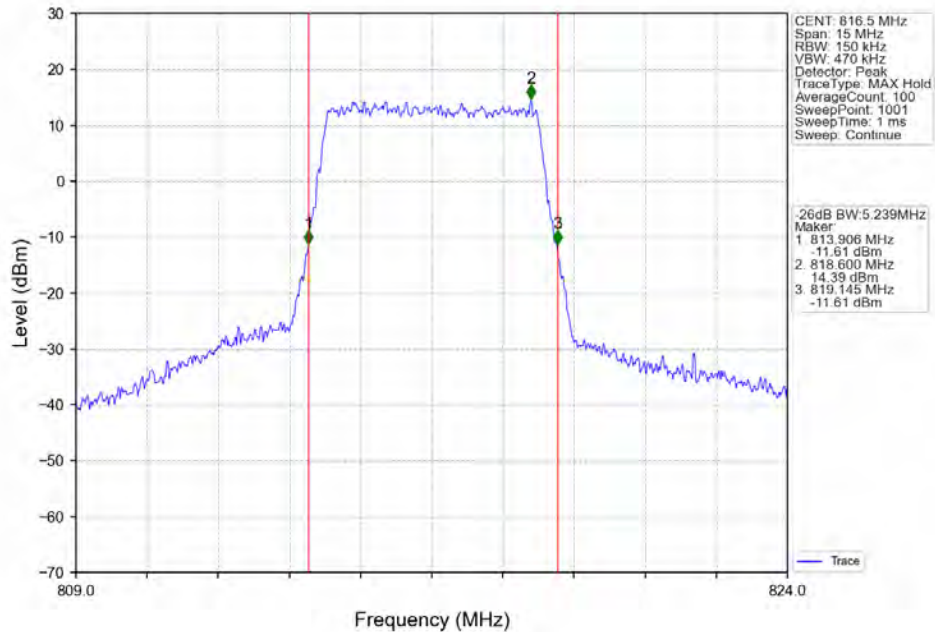
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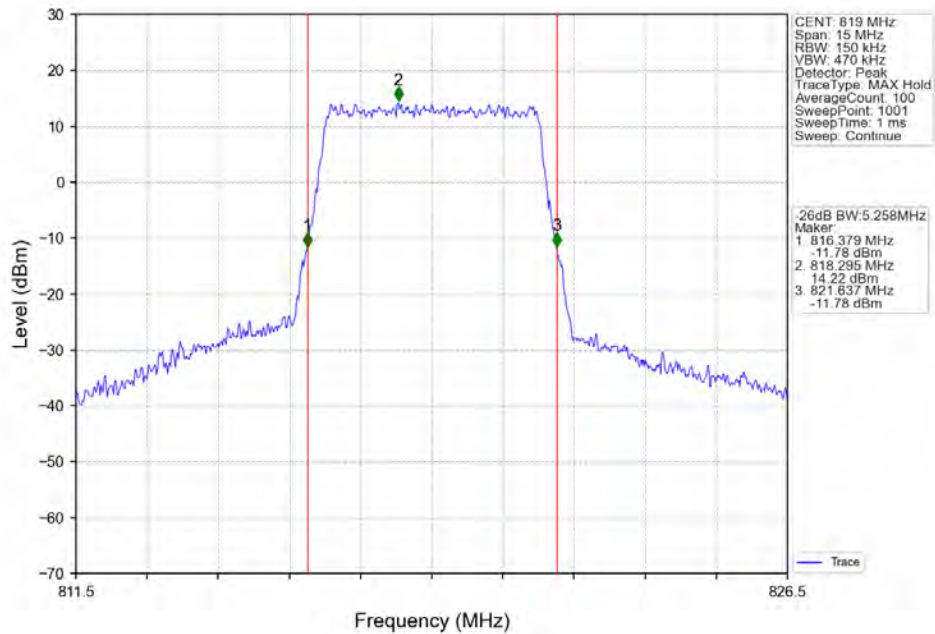
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Band26a_5MHz_256QAM_HCH_821.5MHz_RB_25_0_NTNV



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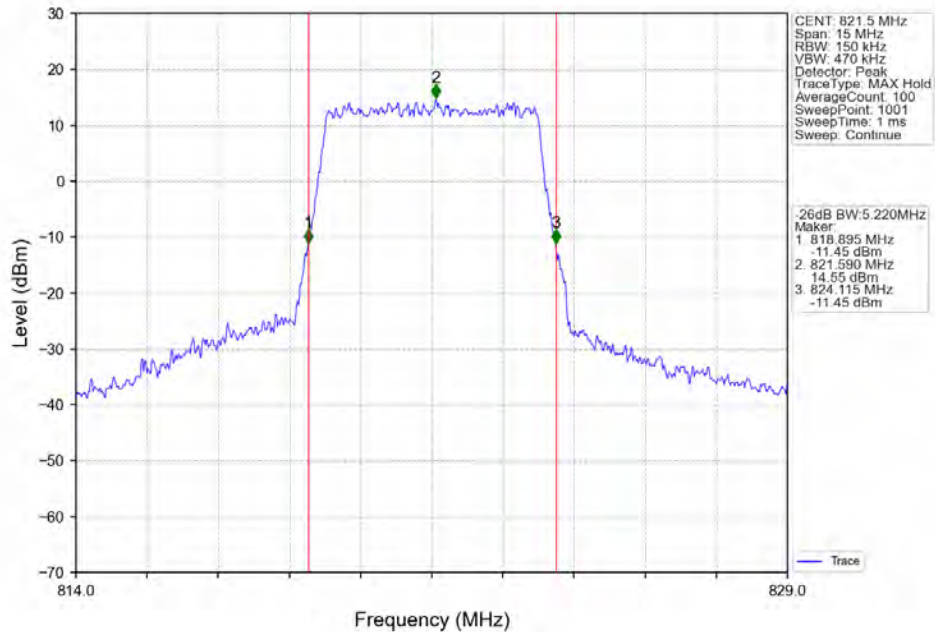
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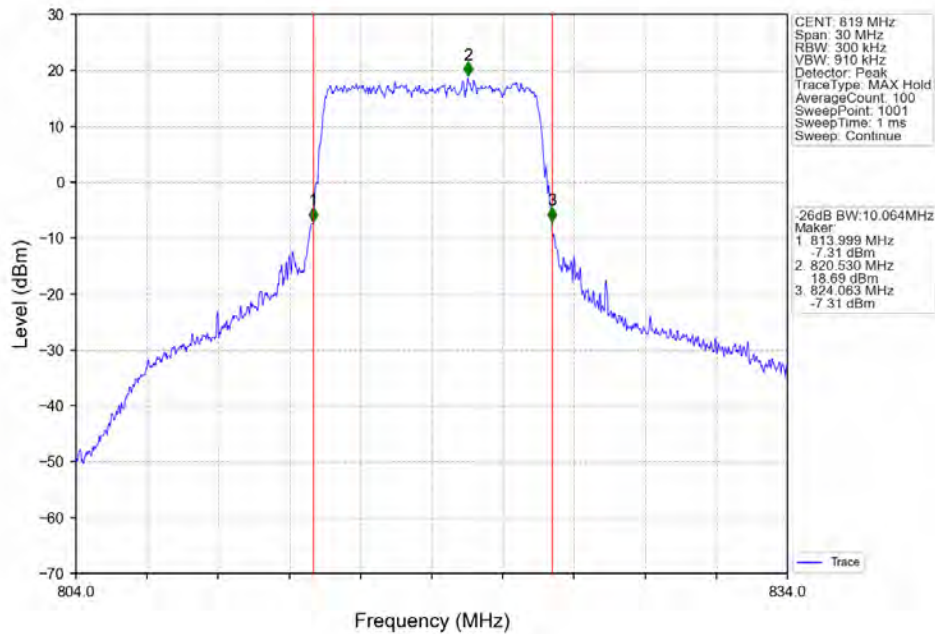
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Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



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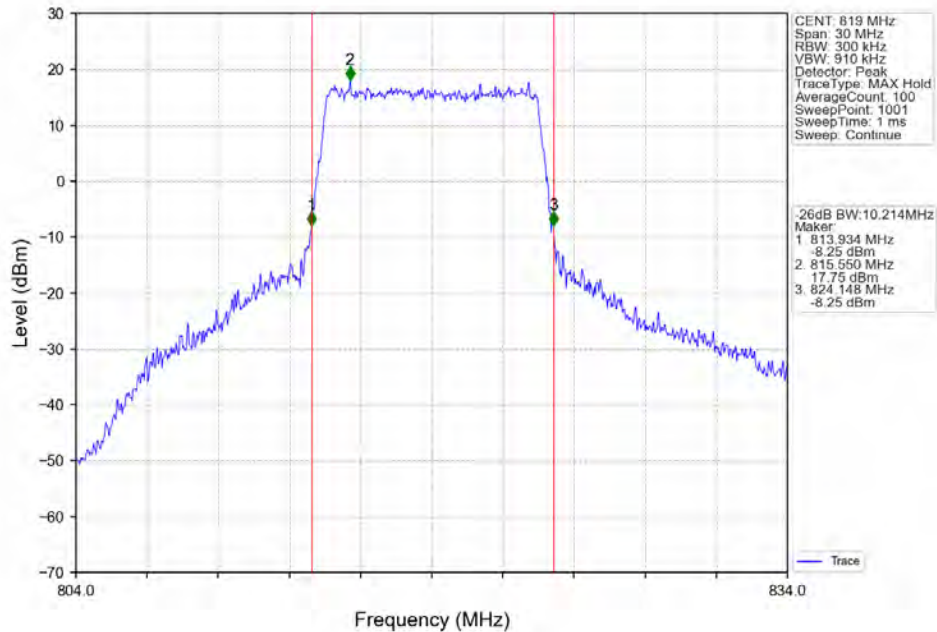
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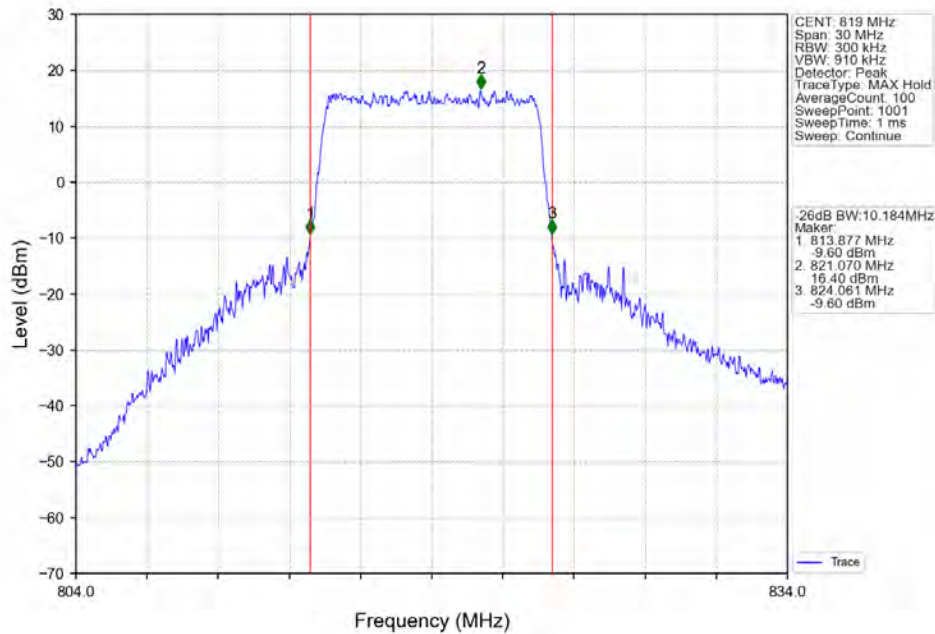
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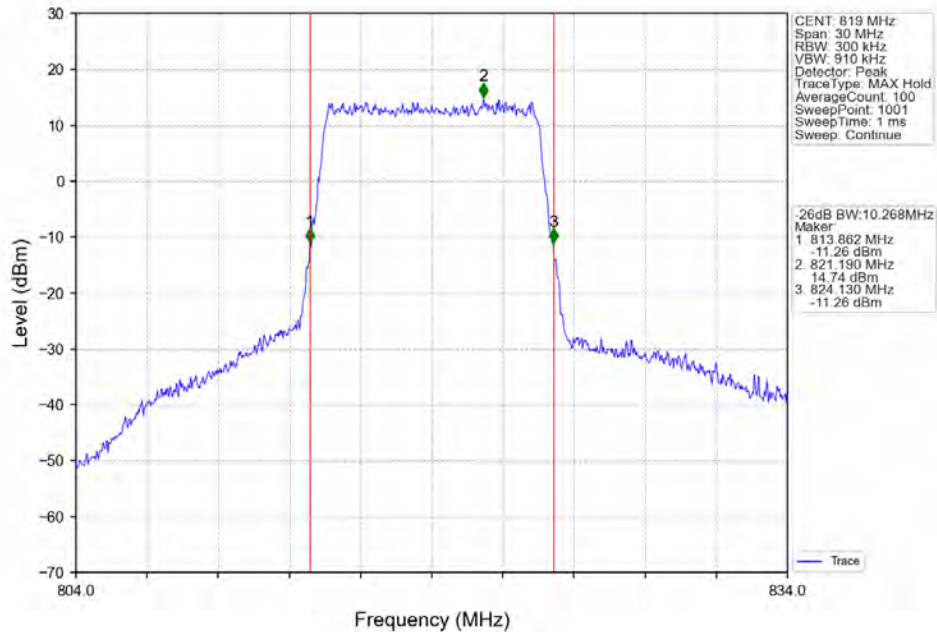
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5. Peak-Average Ratio

5.1 B26a_1.4MHz

5.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	6	0	4.83	<=13	Pass
	819	6	0	5.07	<=13	Pass
	823.3	6	0	5.33	<=13	Pass
16QAM	814.7	6	0	5.74	<=13	Pass
	819	6	0	6.06	<=13	Pass
	823.3	6	0	6.28	<=13	Pass
64QAM	814.7	6	0	6.34	<=13	Pass
	819	6	0	6.50	<=13	Pass
	823.3	6	0	6.77	<=13	Pass
256QAM	814.7	6	0	6.83	<=13	Pass
	819	6	0	7.05	<=13	Pass
	823.3	6	0	7.19	<=13	Pass



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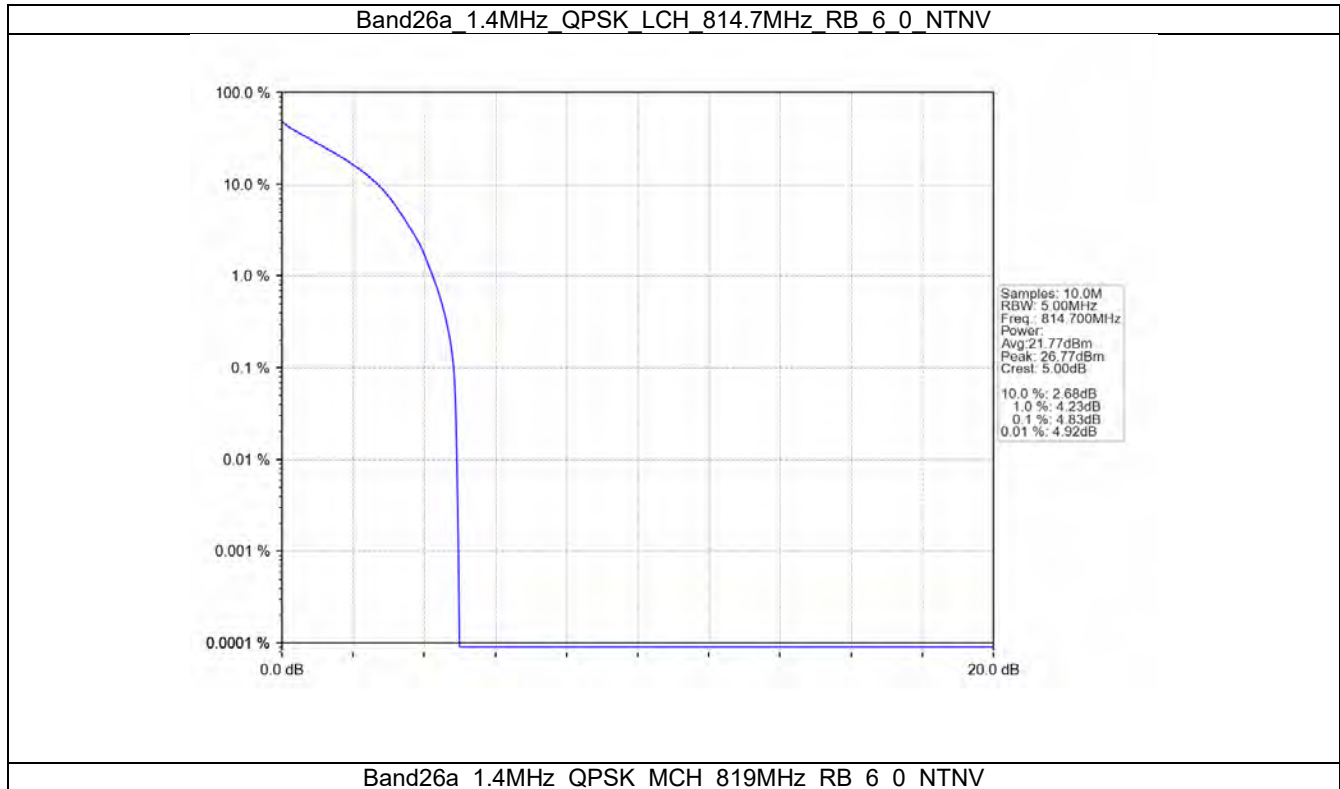
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5.1.2 Test Graph



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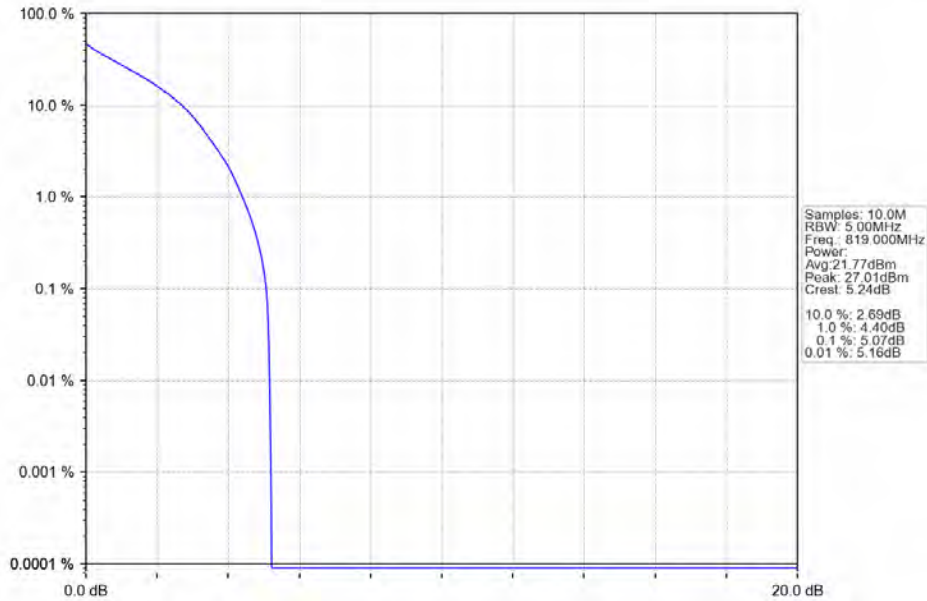
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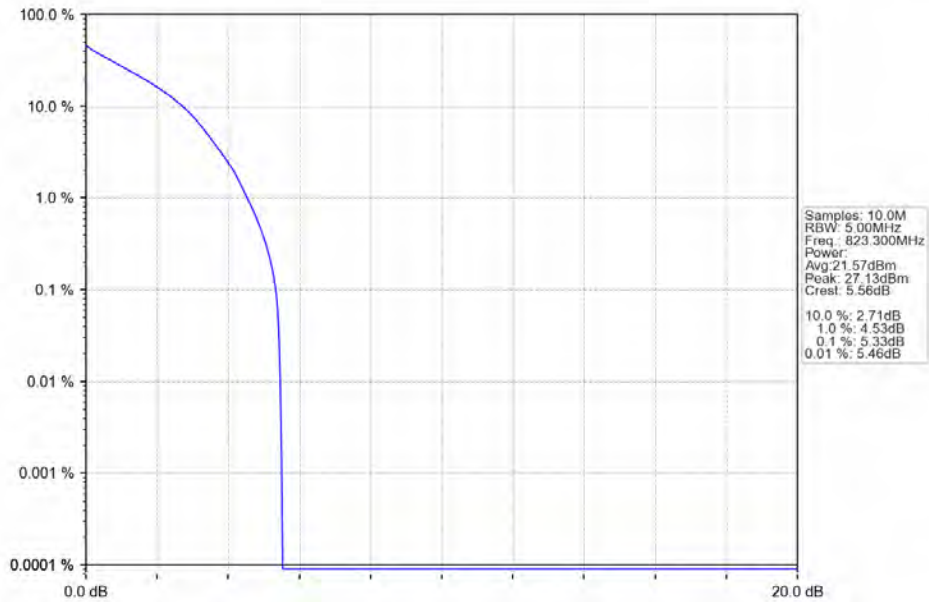
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Band26a 1.4MHz QPSK HCH 823.3MHz_RB_6_0 NTN



Band26a 1.4MHz 16QAM LCH 814.7MHz_RB_6_0 NTN



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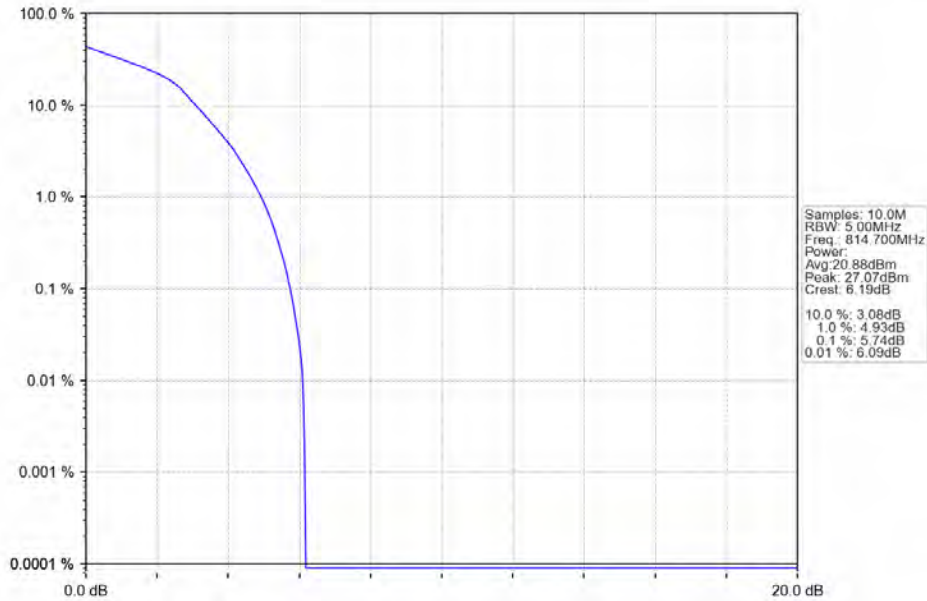
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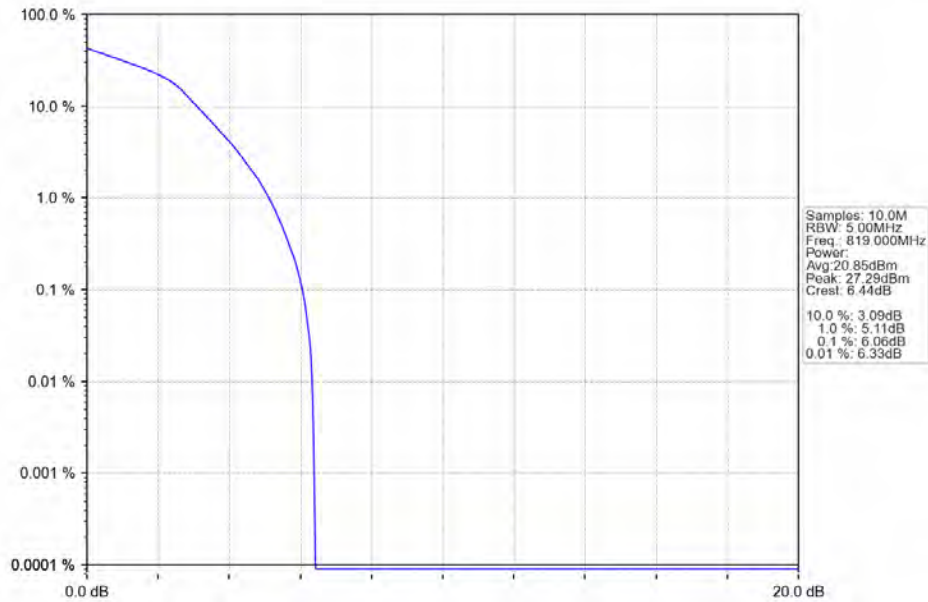
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Band26a 1.4MHz 16QAM HCH 823.3MHz_RB_6_0_NTNV



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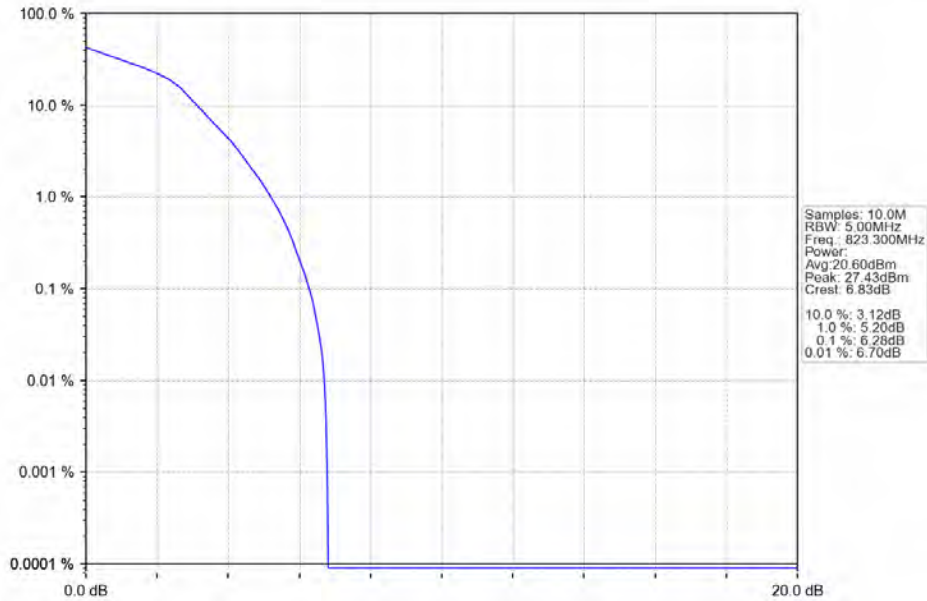
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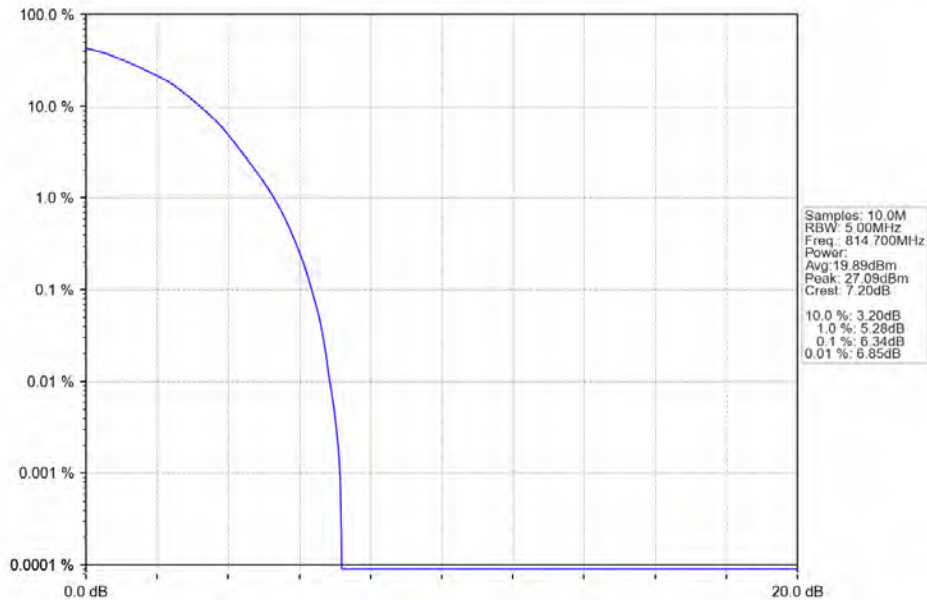
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Band26a_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV



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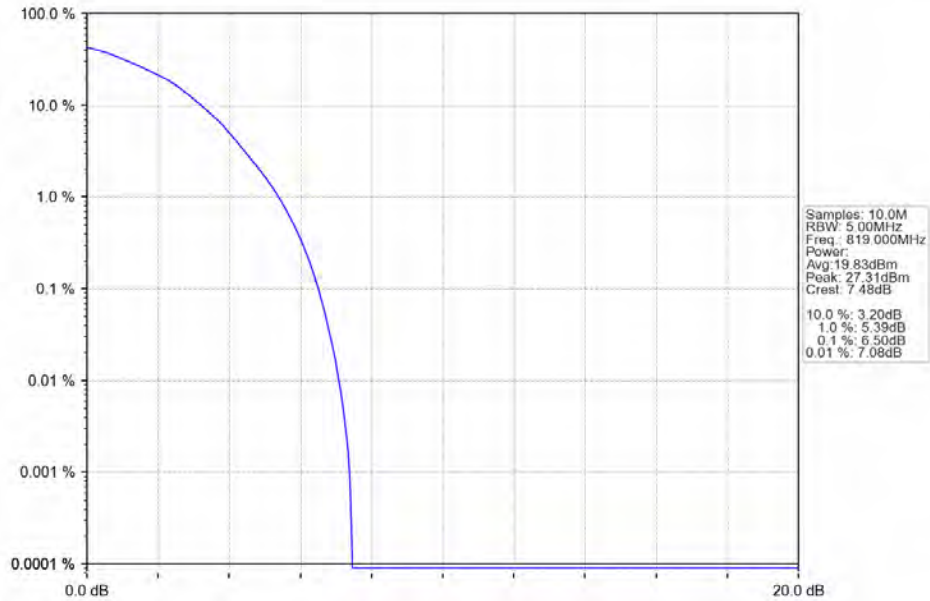
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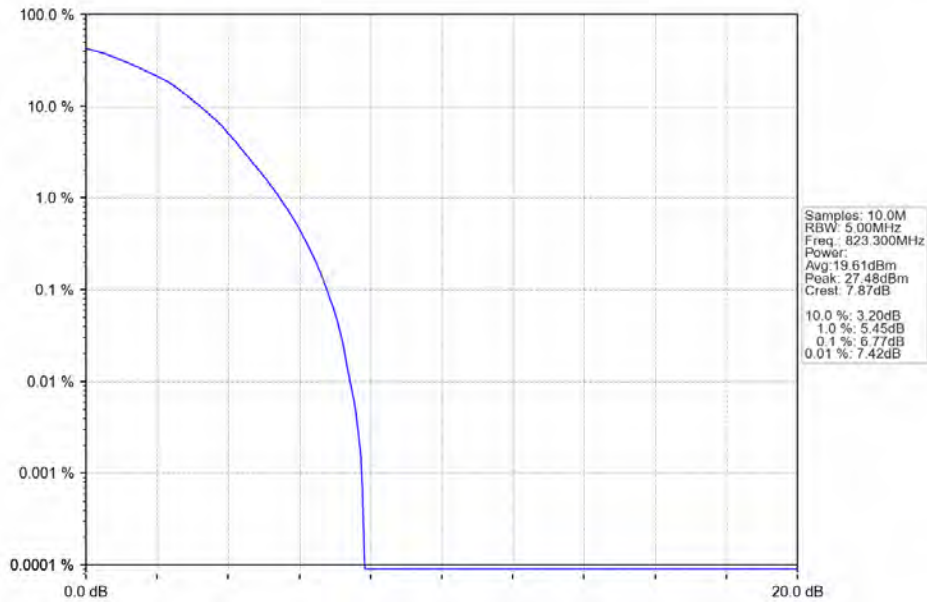
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Band26a_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV



Band26a_1.4MHz_256QAM_LCH_814.7MHz_RB_6_0_NTNV



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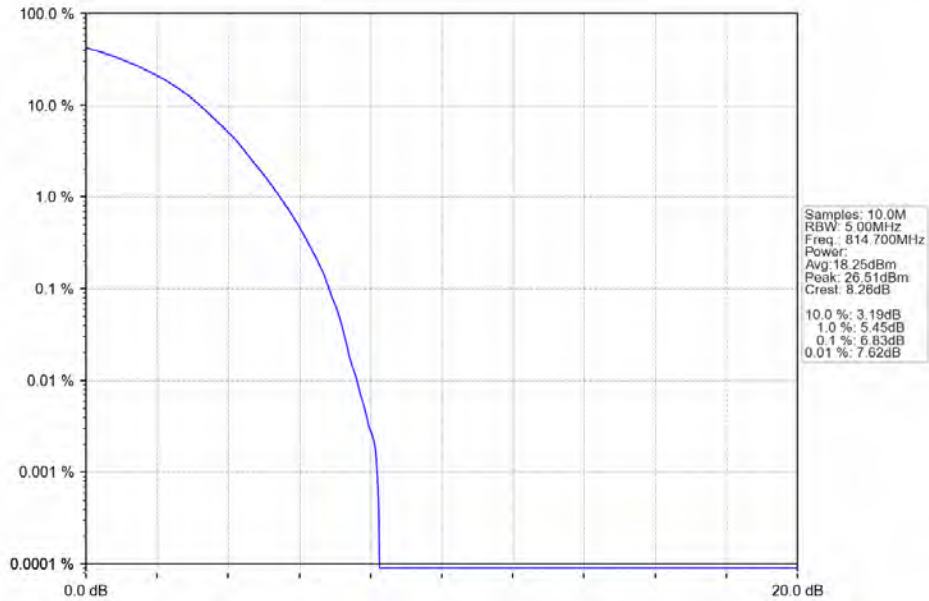
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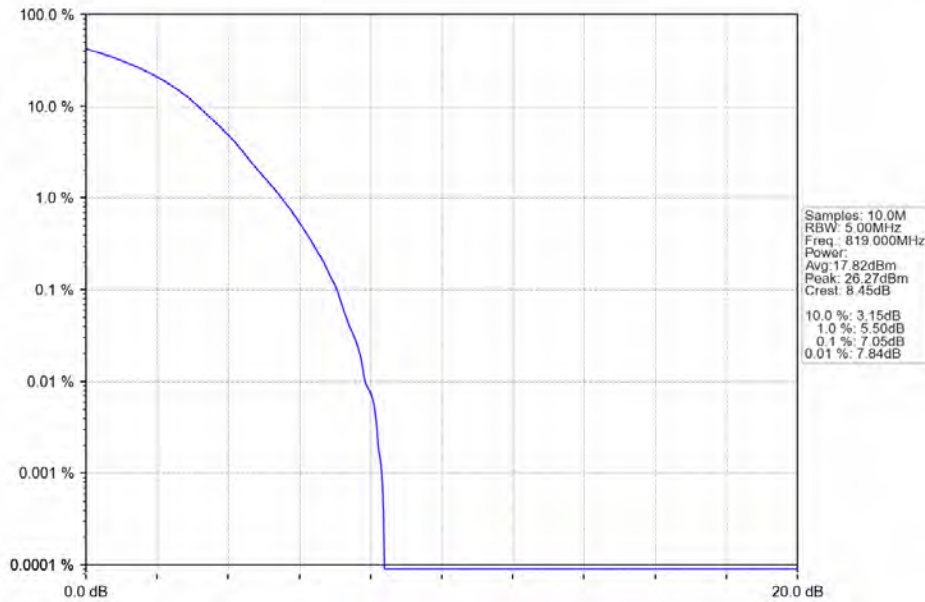
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Band26a_1.4MHz_256QAM_HCH_823.3MHz_RB_6_0_NTNV



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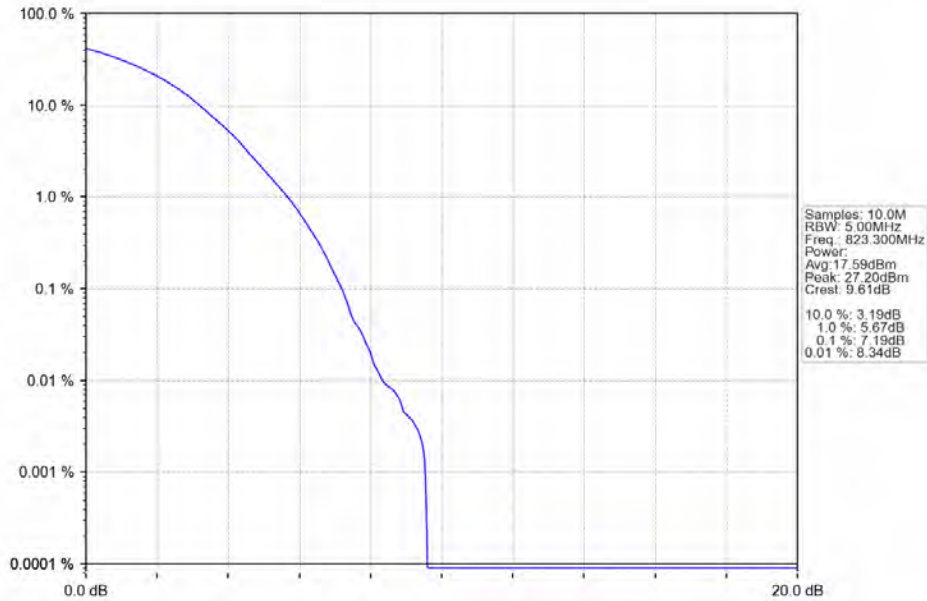
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5.2 B26a_3MHz

5.2.1 Test Result

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	15	0	4.46	<=13	Pass
	819	15	0	4.61	<=13	Pass
	822.5	15	0	4.76	<=13	Pass
16QAM	815.5	15	0	5.70	<=13	Pass
	819	15	0	5.89	<=13	Pass
	822.5	15	0	6.11	<=13	Pass
64QAM	815.5	15	0	6.37	<=13	Pass
	819	15	0	9.71	<=13	Pass
	822.5	15	0	10.26	<=13	Pass
256QAM	815.5	15	0	6.91	<=13	Pass
	819	15	0	6.97	<=13	Pass
	822.5	15	0	7.04	<=13	Pass



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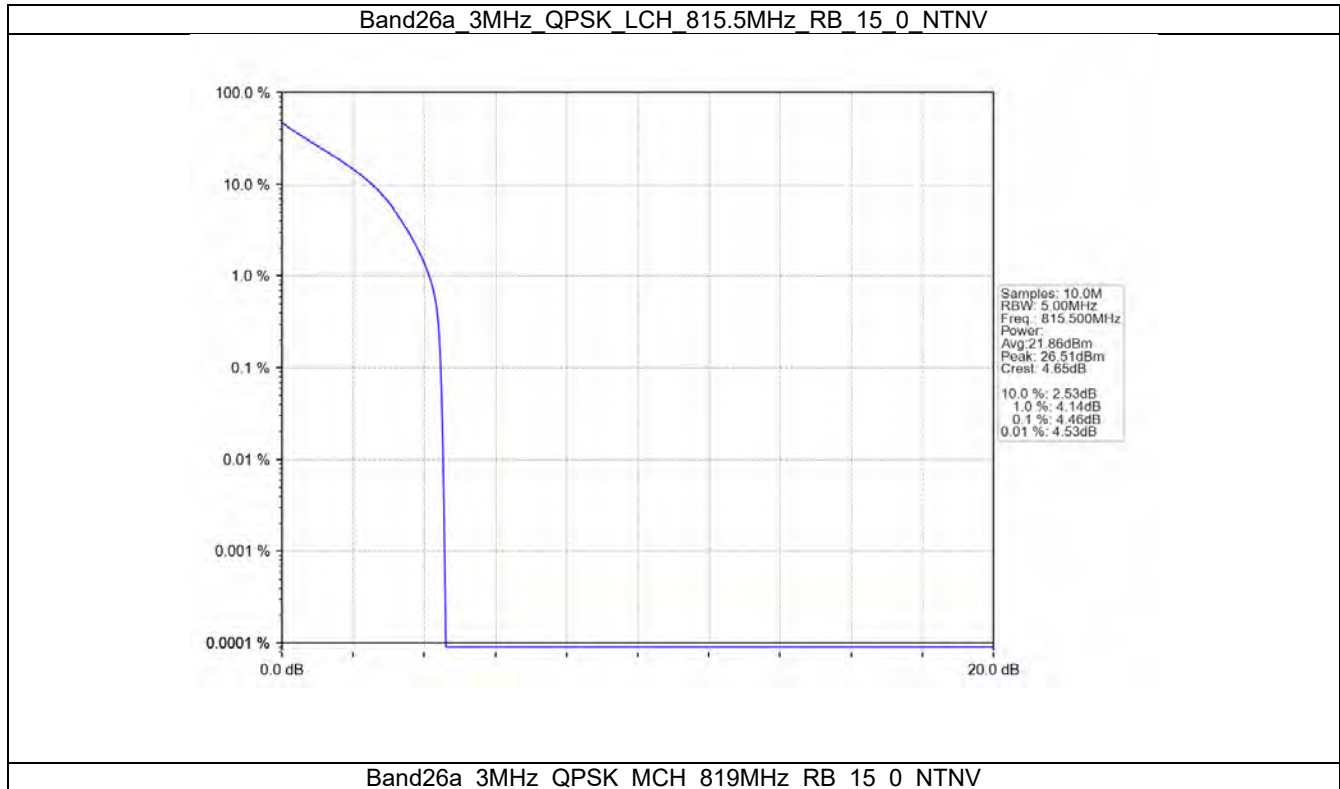
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5.2.2 Test Graph



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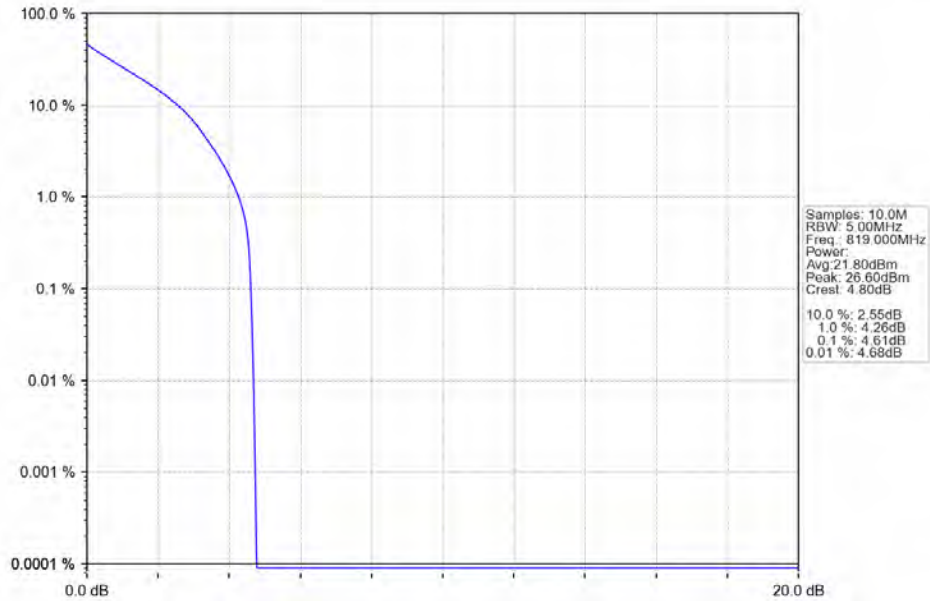
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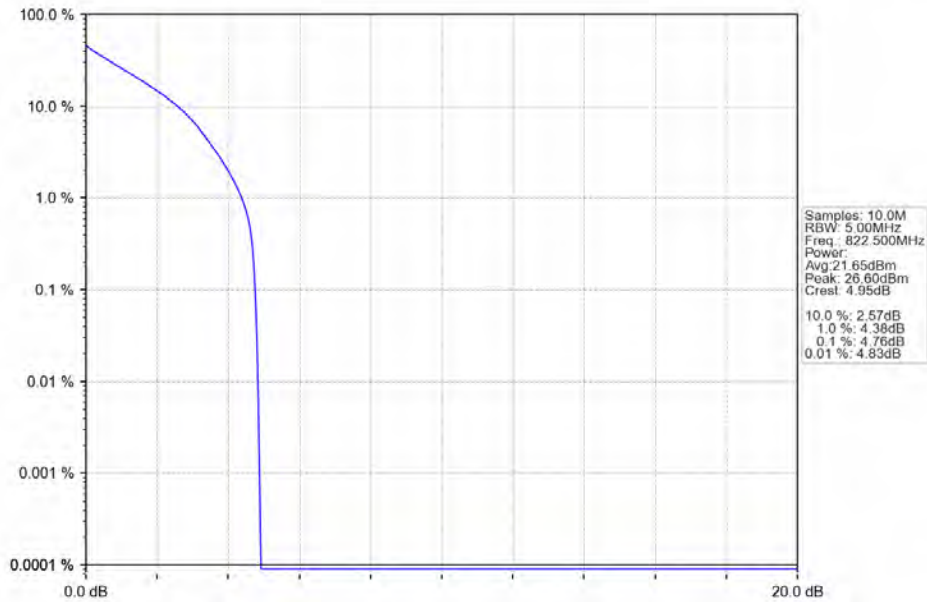
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Band26a 3MHz QPSK HCH 822.5MHz RB 15 0 NTN



Band26a 3MHz 16QAM LCH 815.5MHz RB 15 0 NTN



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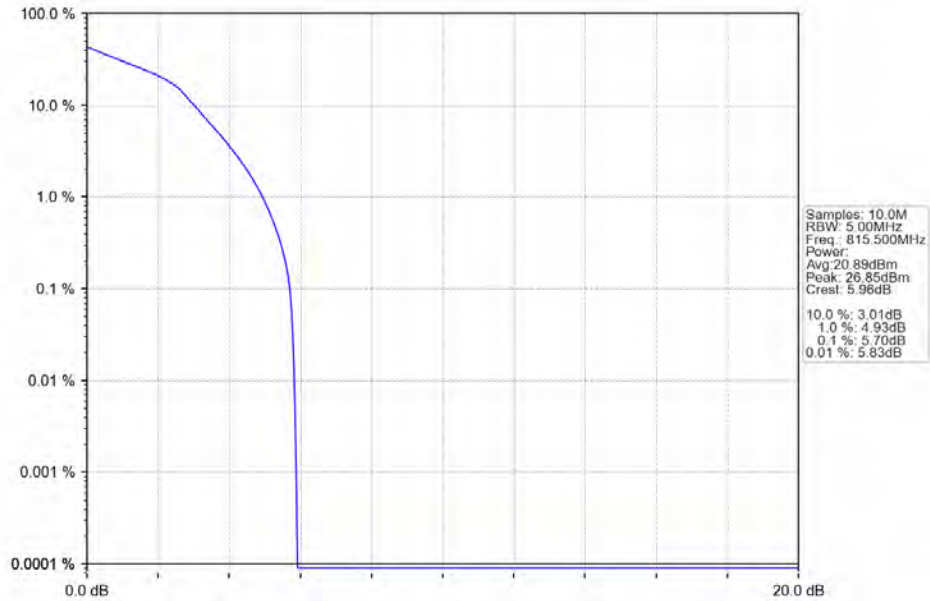
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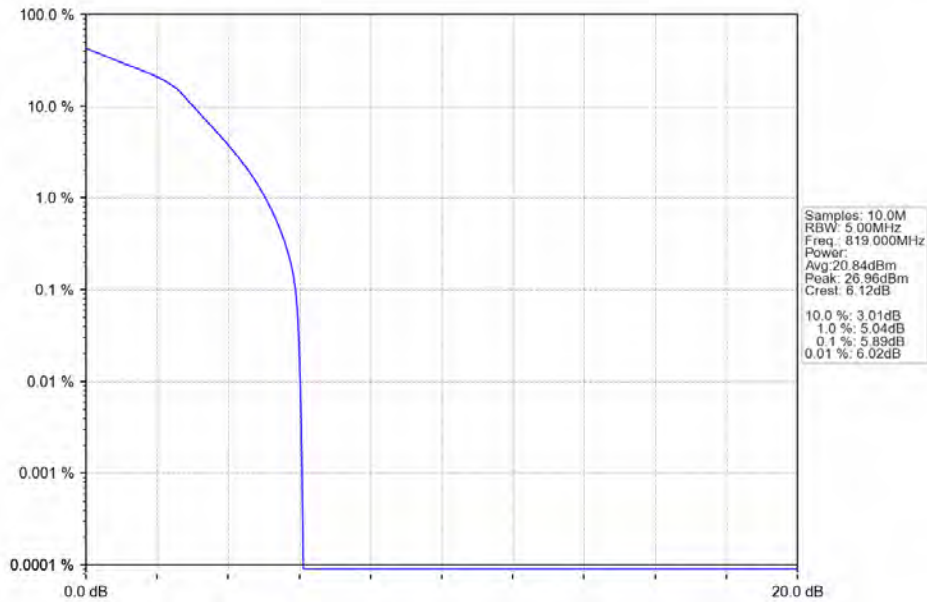
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Band26a 3MHz 16QAM MCH 819MHz_RB_15_0_NTNV



Band26a 3MHz 16QAM HCH 822.5MHz_RB_15_0_NTNV



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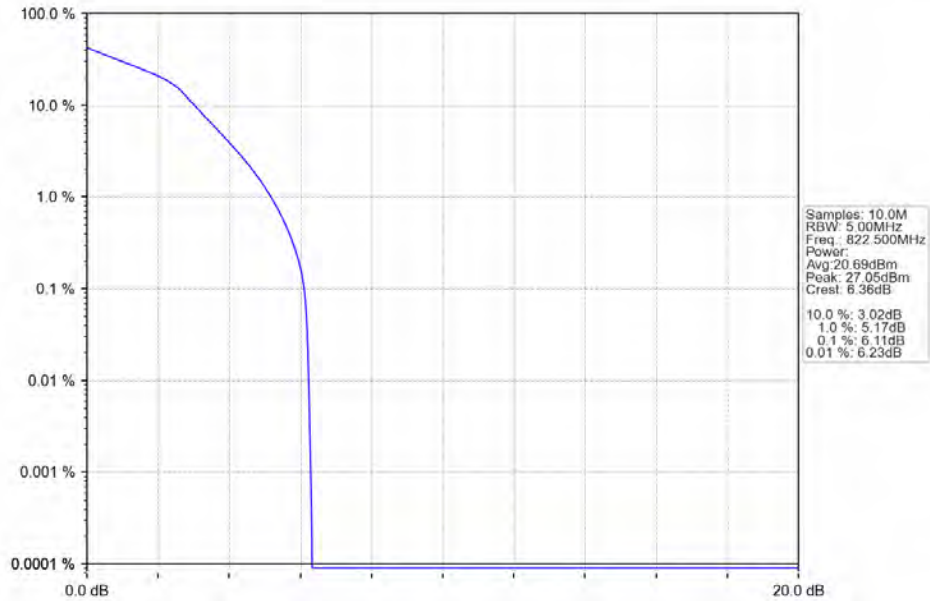
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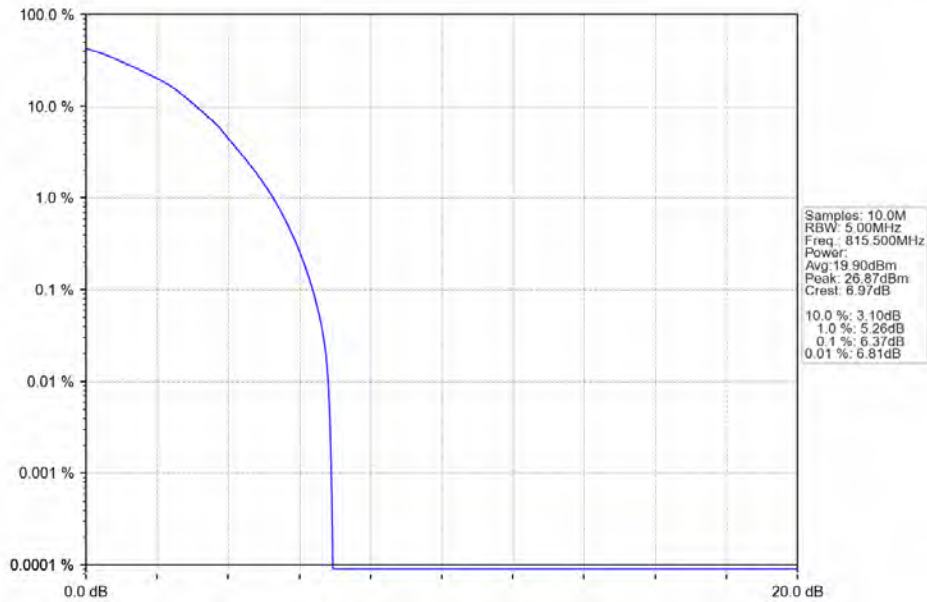
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Band26a_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV



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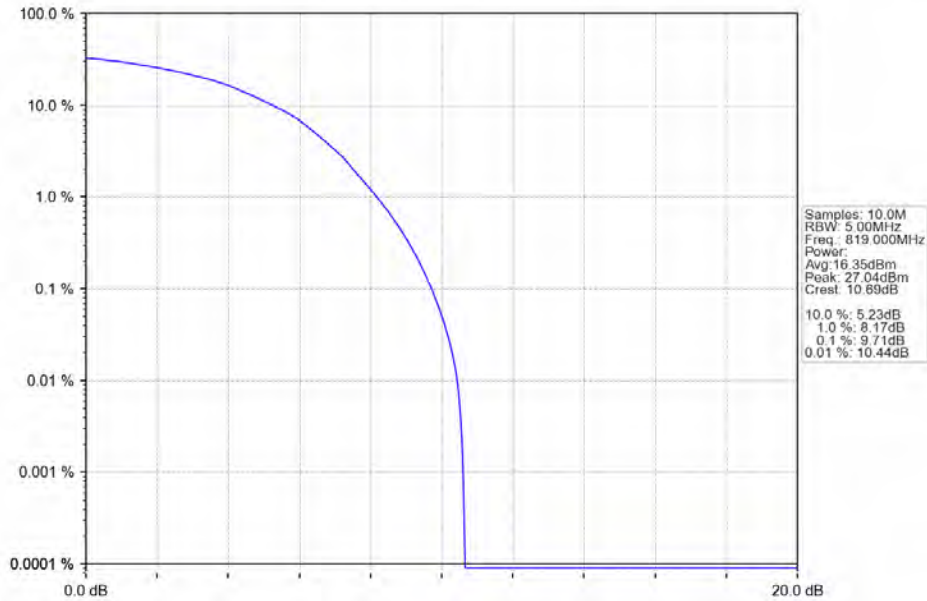
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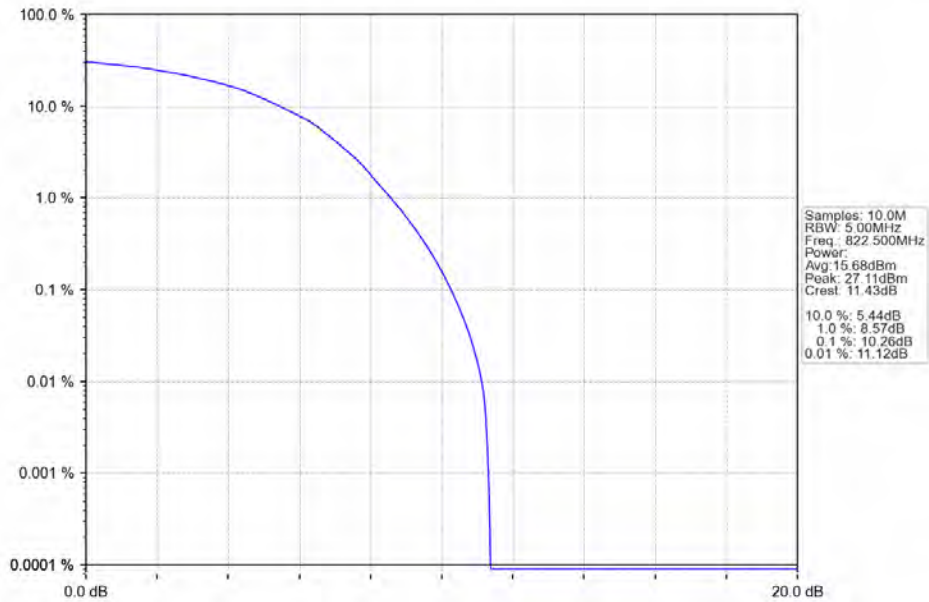
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Band26a_3MHz_64QAM_HCH_822.5MHz_RB_15_0_NTNV



Band26a_3MHz_256QAM_LCH_815.5MHz_RB_15_0_NTNV



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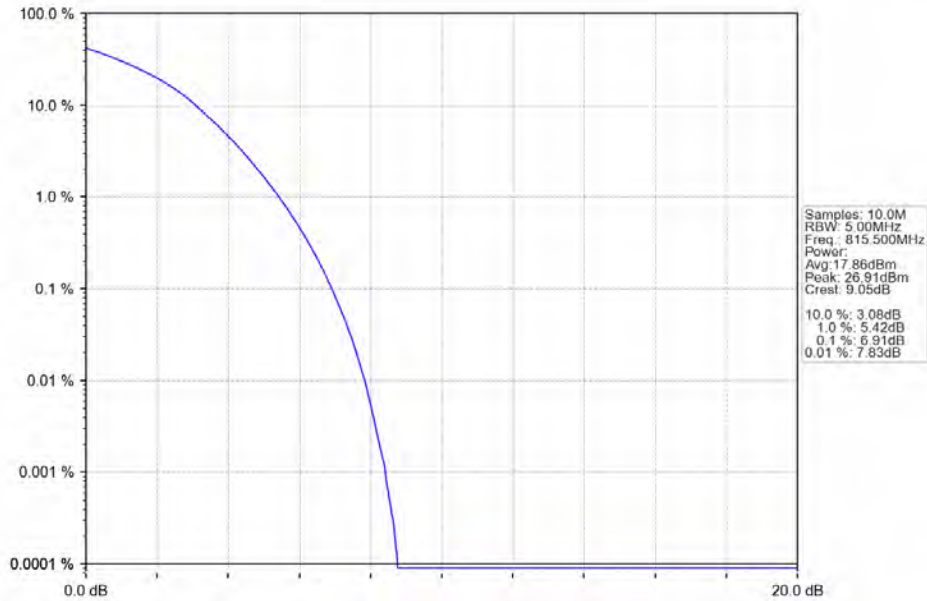
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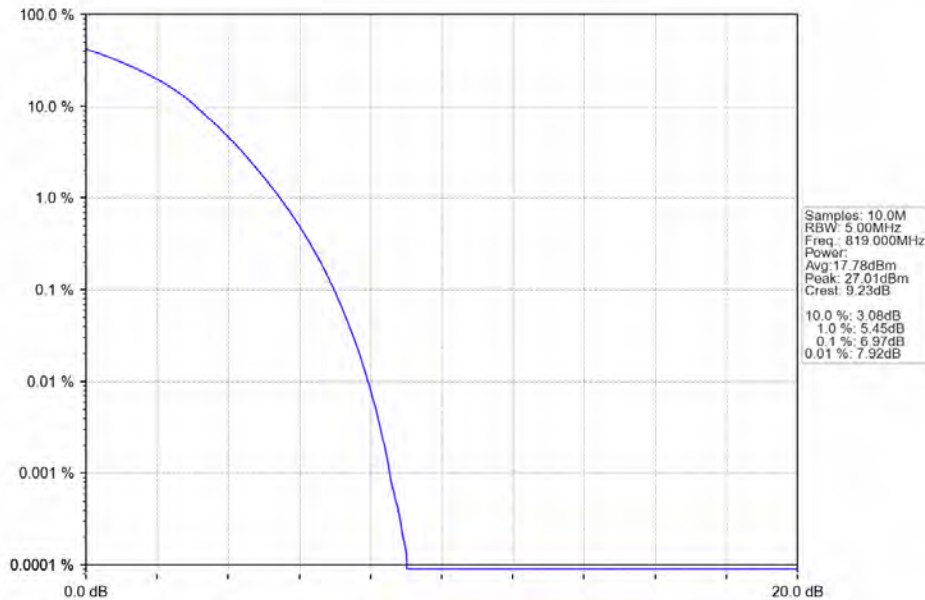
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Band26a_3MHz_256QAM_MCH_819MHz_RB_15_0_NTNV



Band26a_3MHz_256QAM_HCH_822.5MHz_RB_15_0_NTNV



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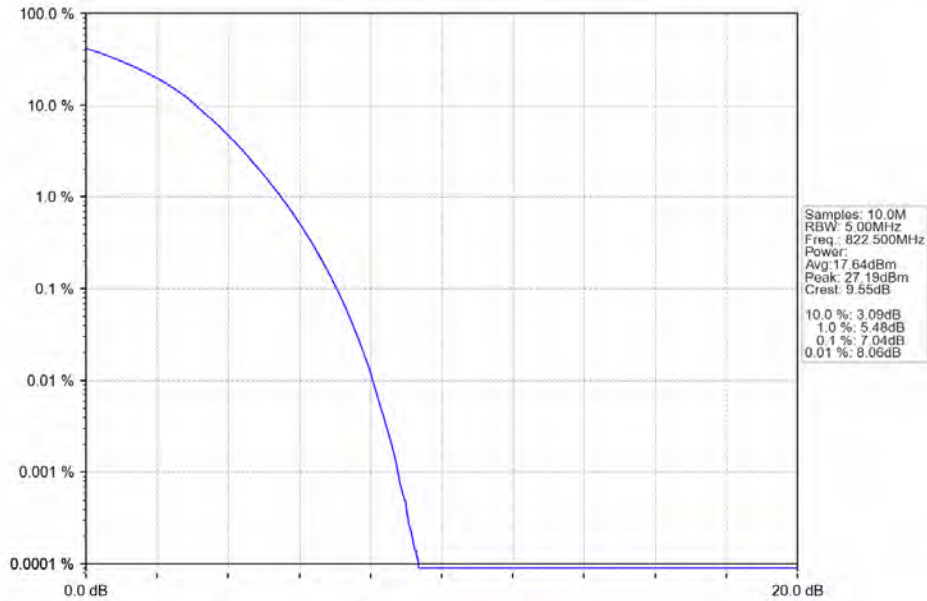
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5.3 B26a_5MHz

5.3.1 Test Result

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	25	0	4.69	<=13	Pass
	819	25	0	4.77	<=13	Pass
	821.5	25	0	4.82	<=13	Pass
16QAM	816.5	25	0	5.72	<=13	Pass
	819	25	0	5.83	<=13	Pass
	821.5	25	0	5.92	<=13	Pass
64QAM	816.5	25	0	10.25	<=13	Pass
	819	25	0	10.06	<=13	Pass
	821.5	25	0	10.14	<=13	Pass
256QAM	816.5	25	0	6.84	<=13	Pass
	819	25	0	6.89	<=13	Pass
	821.5	25	0	6.92	<=13	Pass



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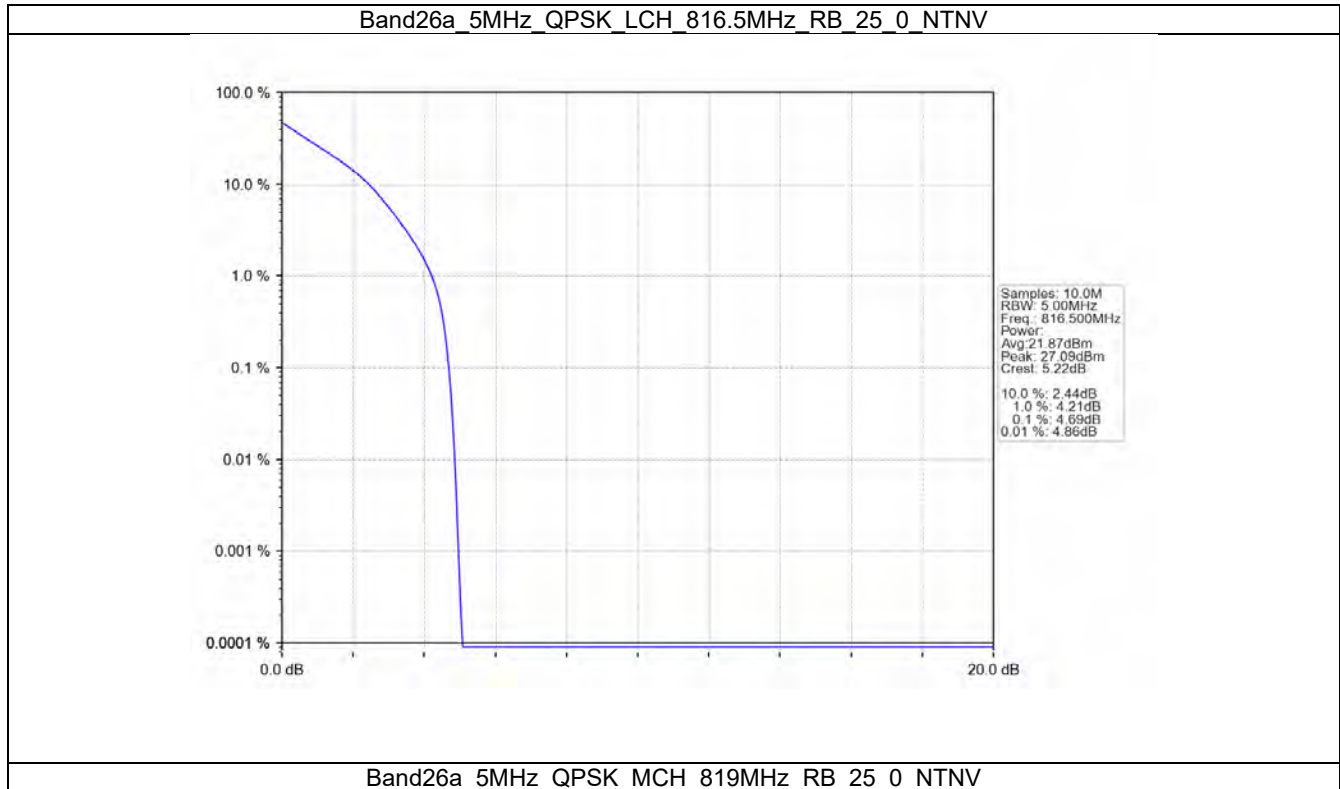
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5.3.2 Test Graph



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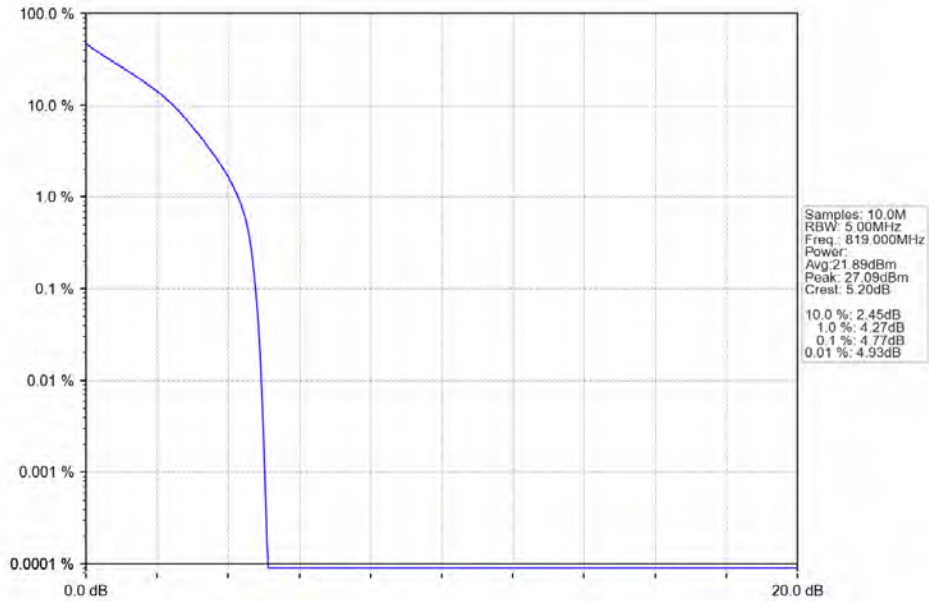
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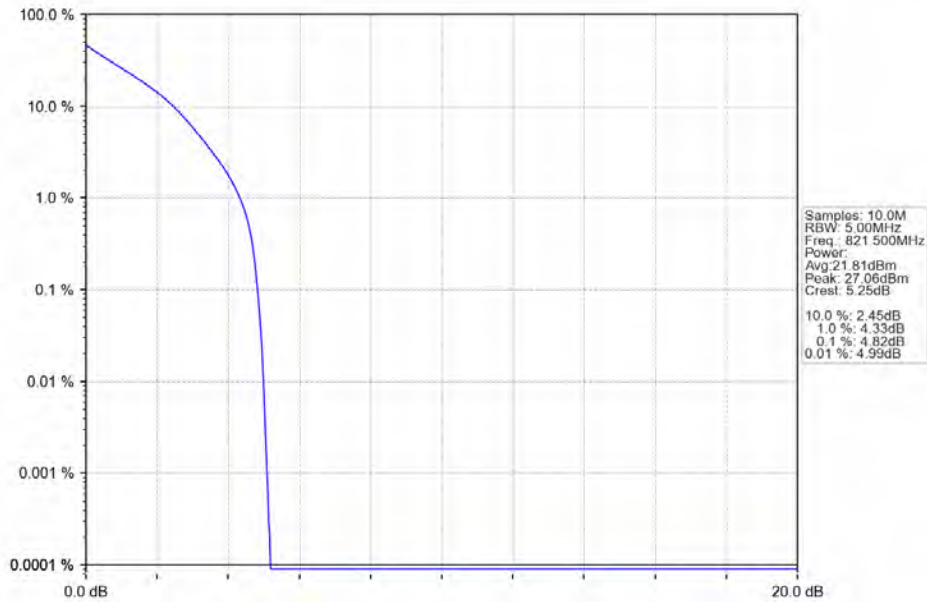
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Band26a 5MHz QPSK HCH 821.5MHz RB 25 0 NTN



Band26a 5MHz 16QAM LCH 816.5MHz RB 25 0 NTN



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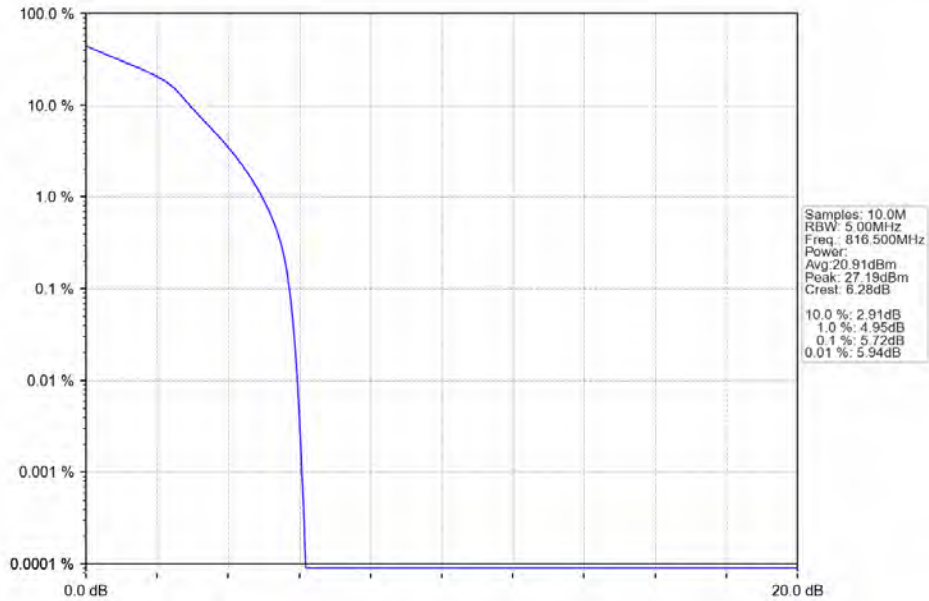
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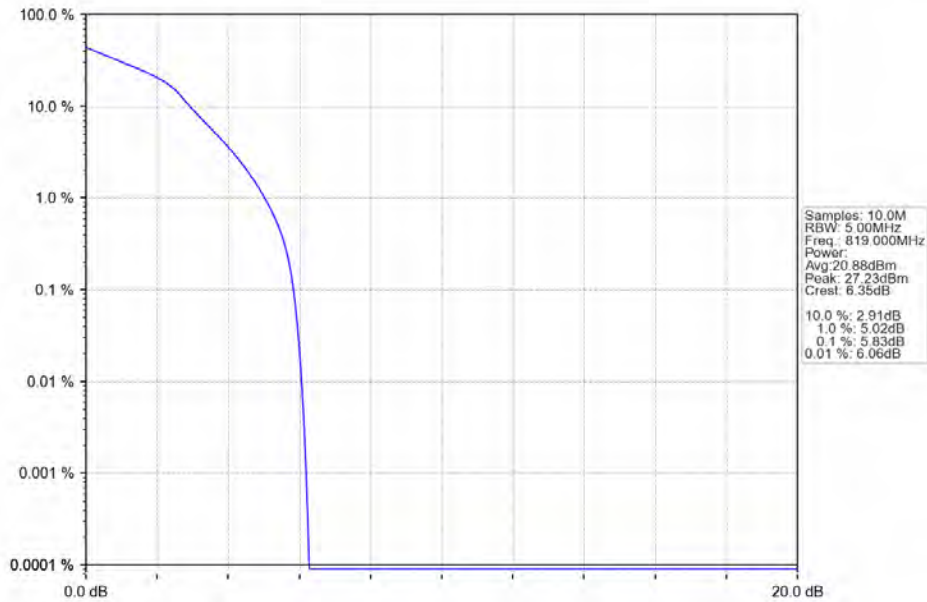
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Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



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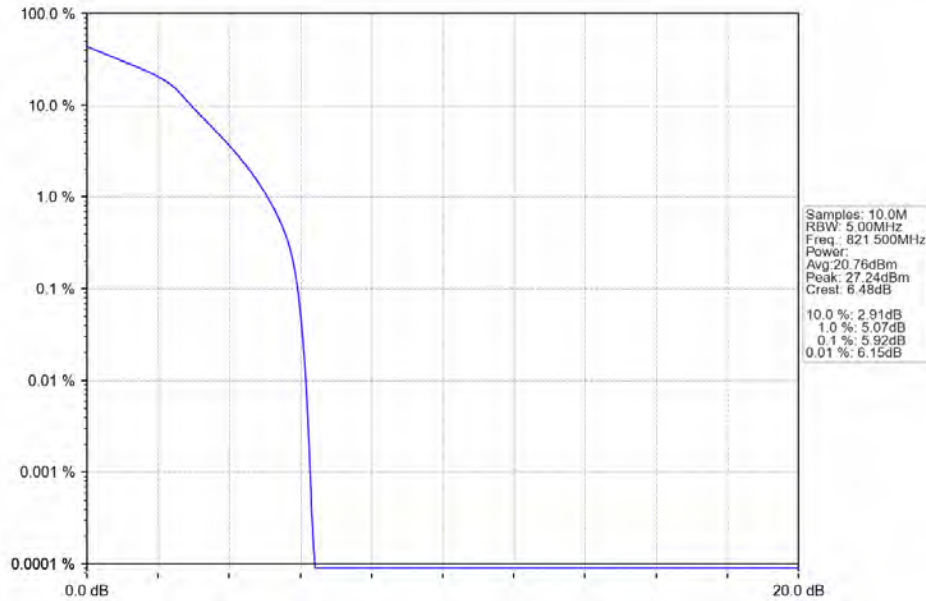
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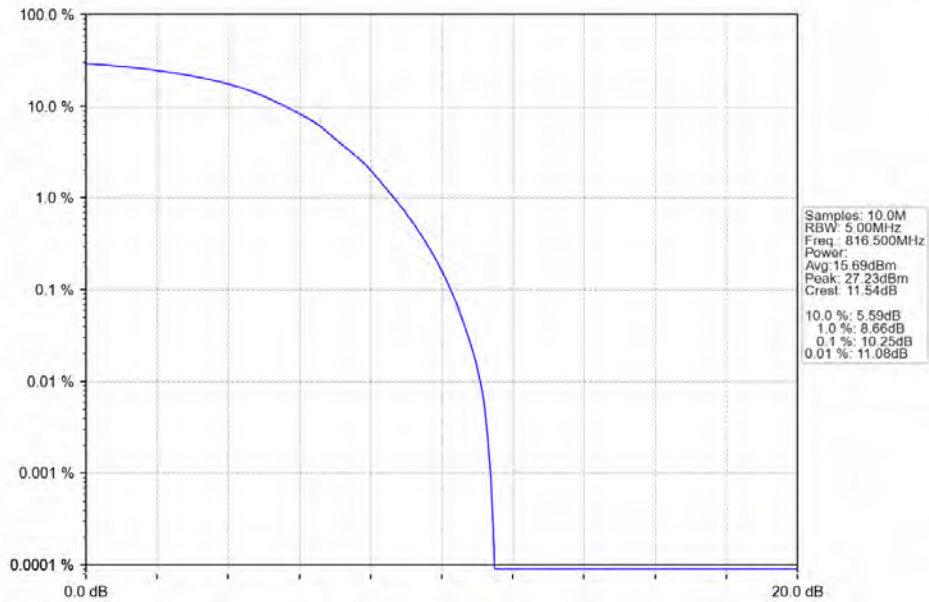
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Band26a_5MHz_64QAM_MCH_819MHz_RB_25_0_NTNV



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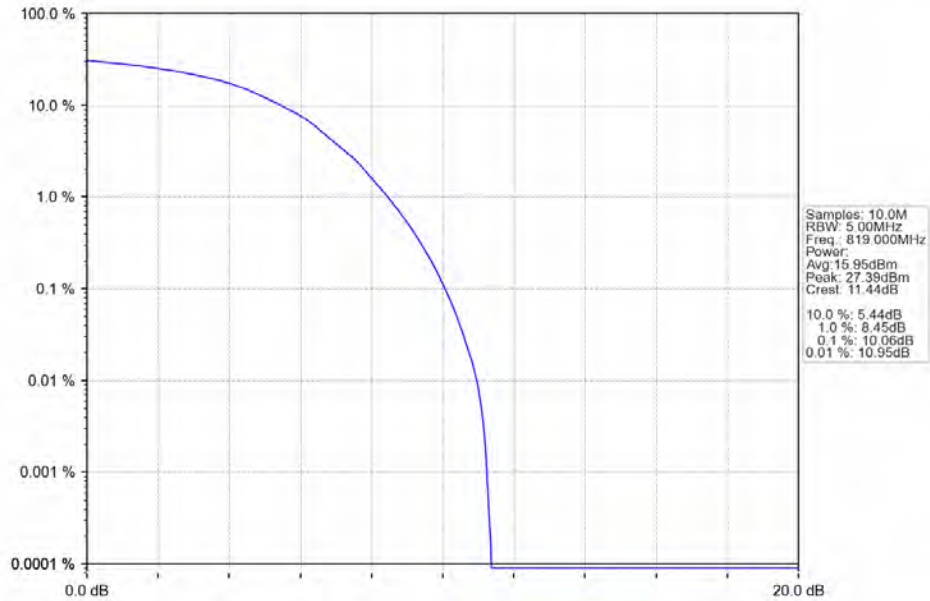
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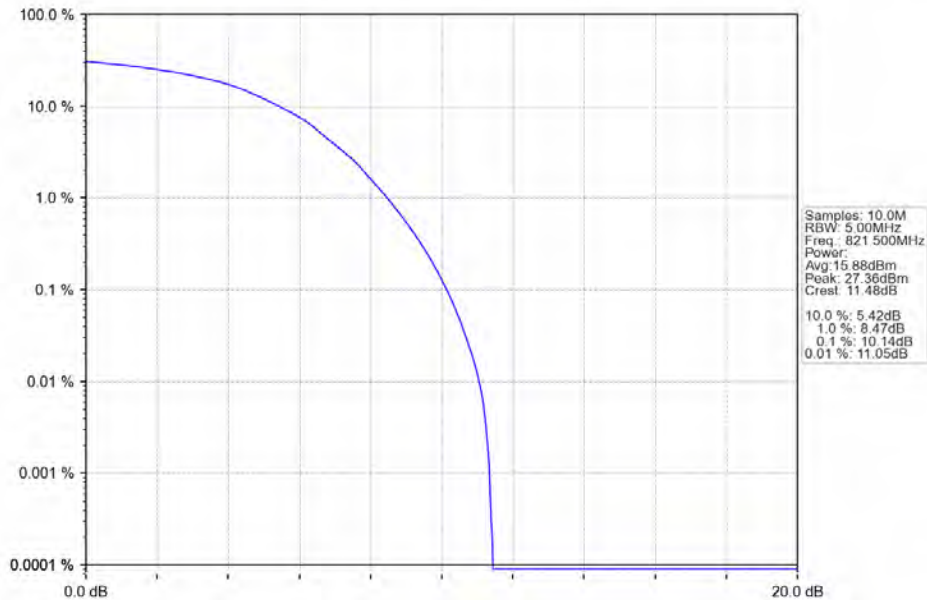
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Band26a_5MHz_256QAM_LCH_816.5MHz_RB_25_0_NTNV



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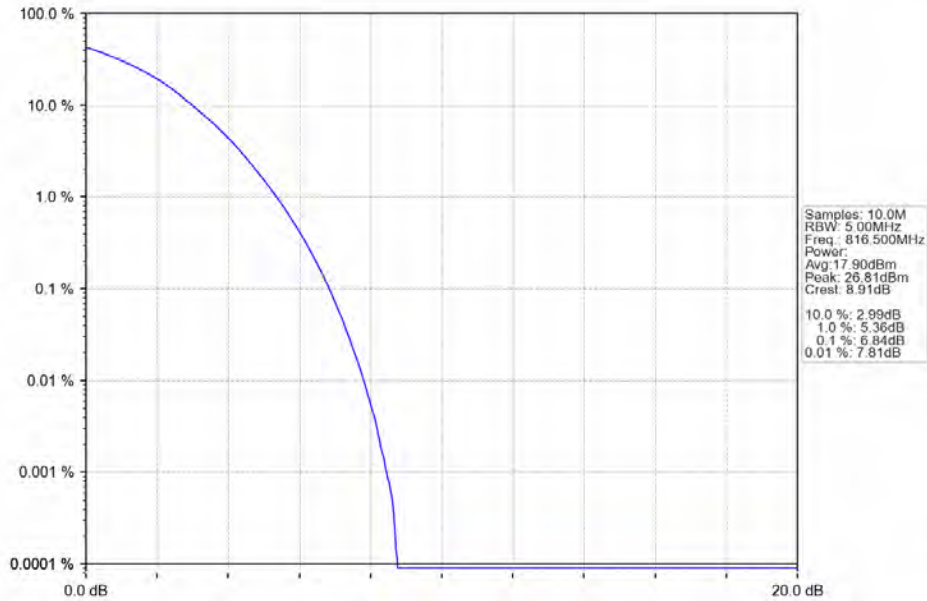
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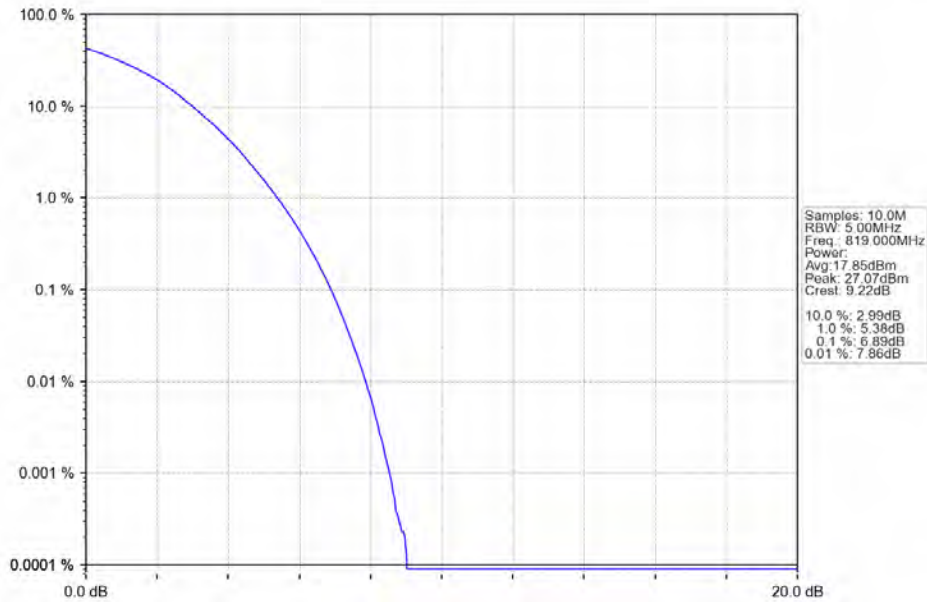
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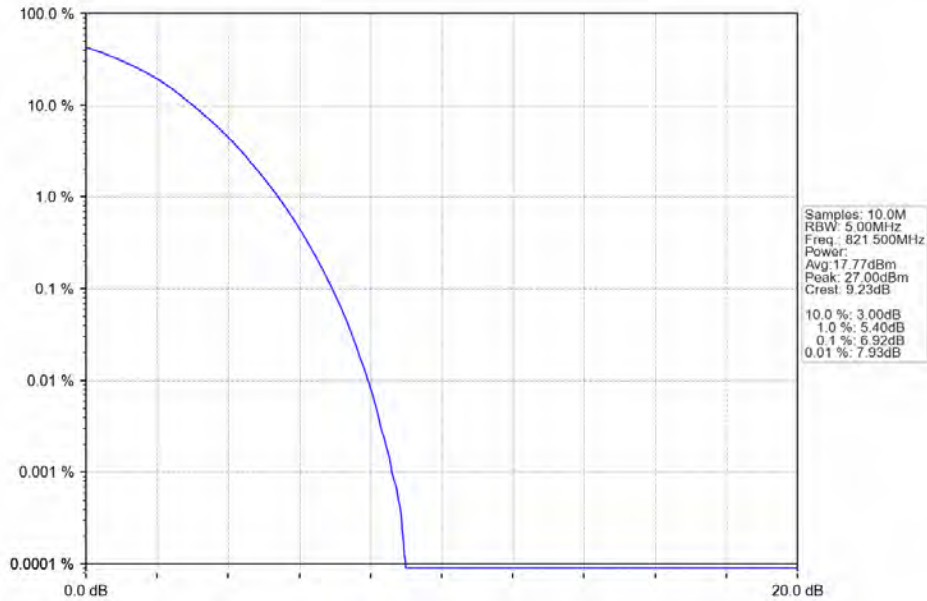
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5.4 B26a_10MHz

5.4.1 Test Result

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	4.81	<=13	Pass
16QAM	819	50	0	5.85	<=13	Pass
64QAM	819	50	0	6.51	<=13	Pass
256QAM	819	50	0	6.86	<=13	Pass



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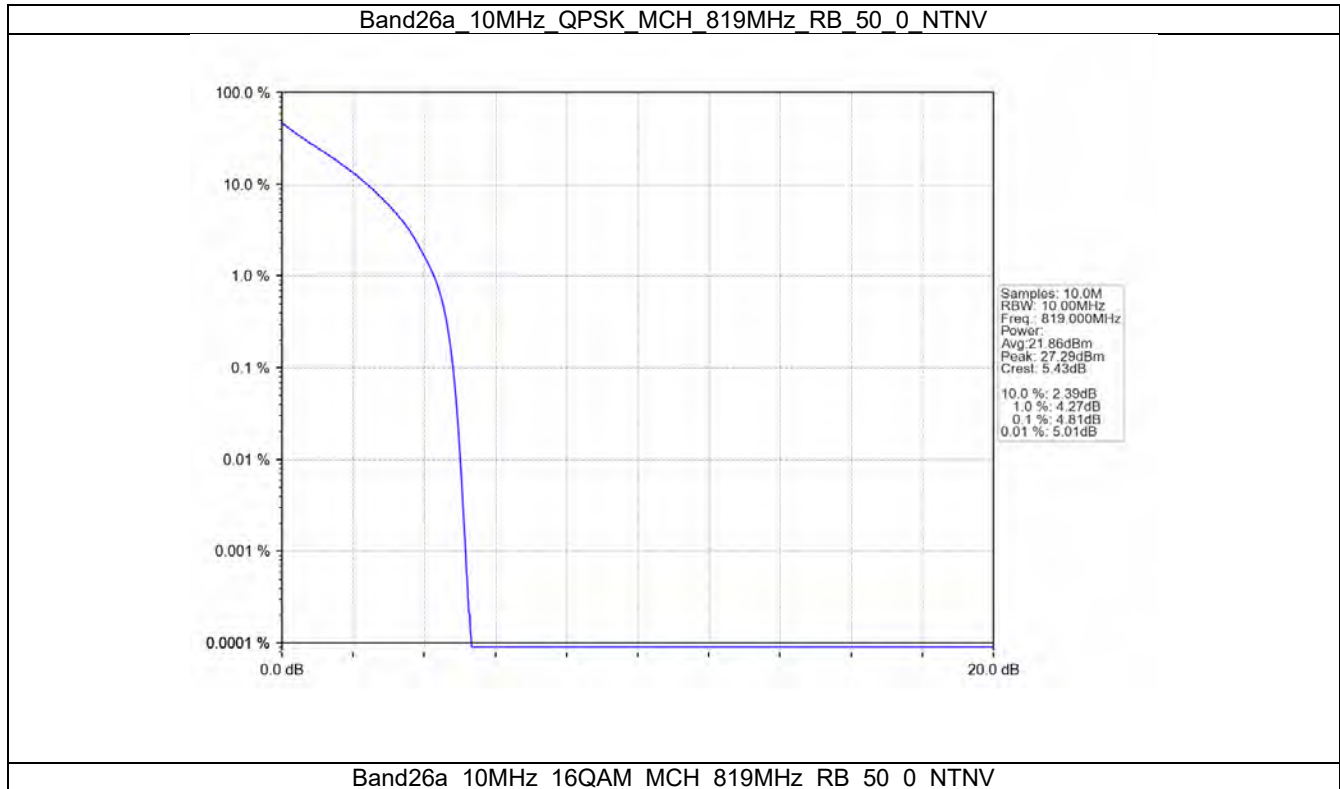
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5.4.2 Test Graph



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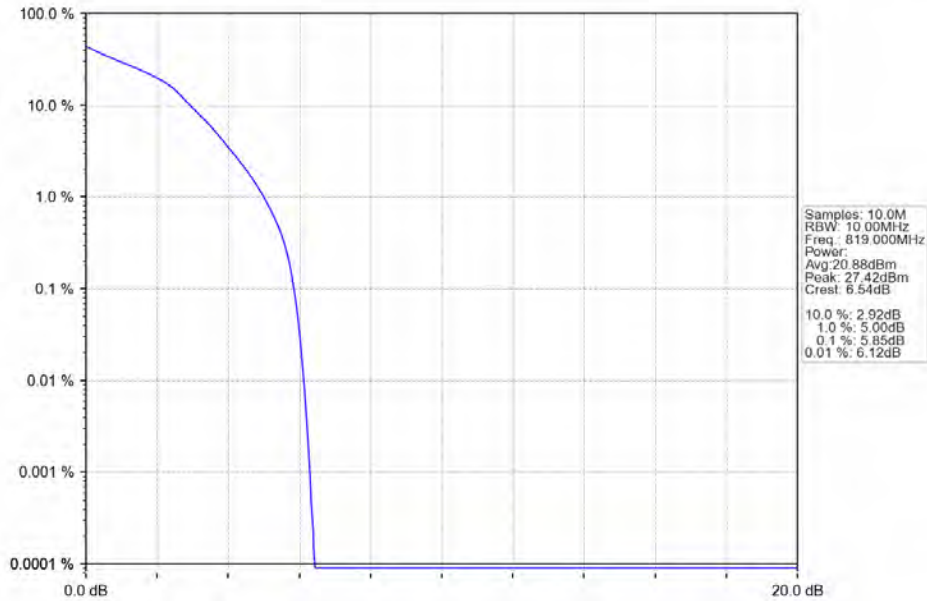
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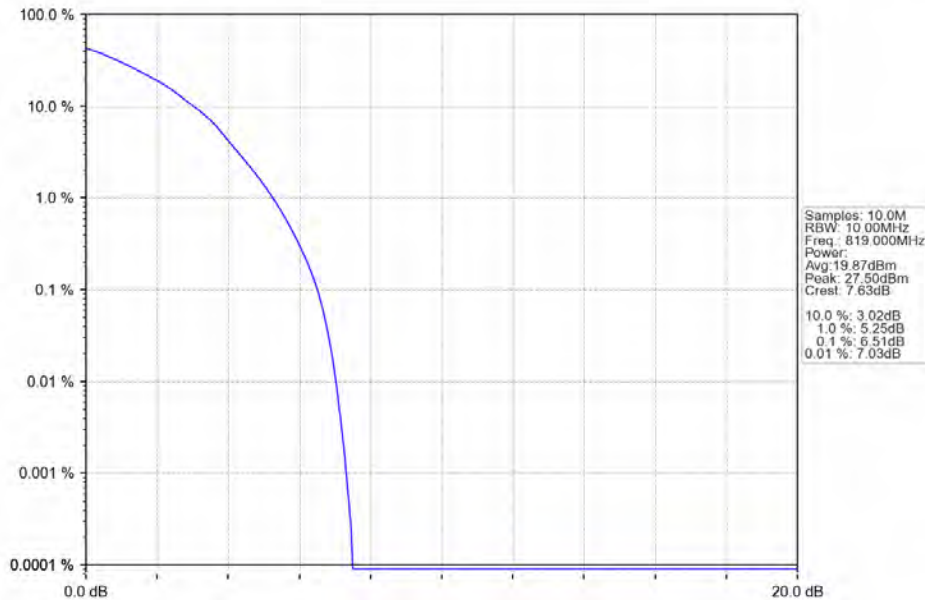
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Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



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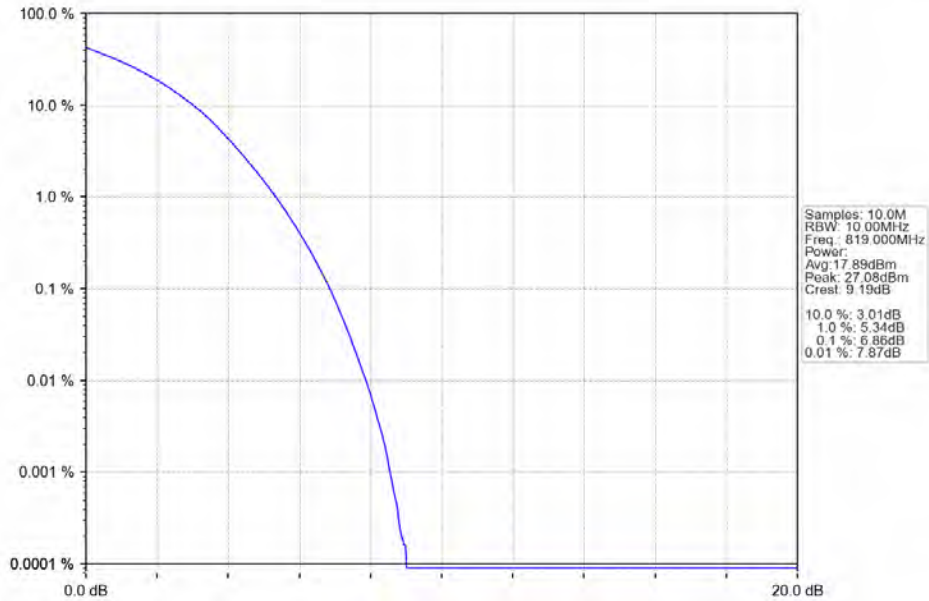
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6. Spurious Emission & Band Edges

6.1 B26a_1.4MHz

6.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	814.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	823.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass



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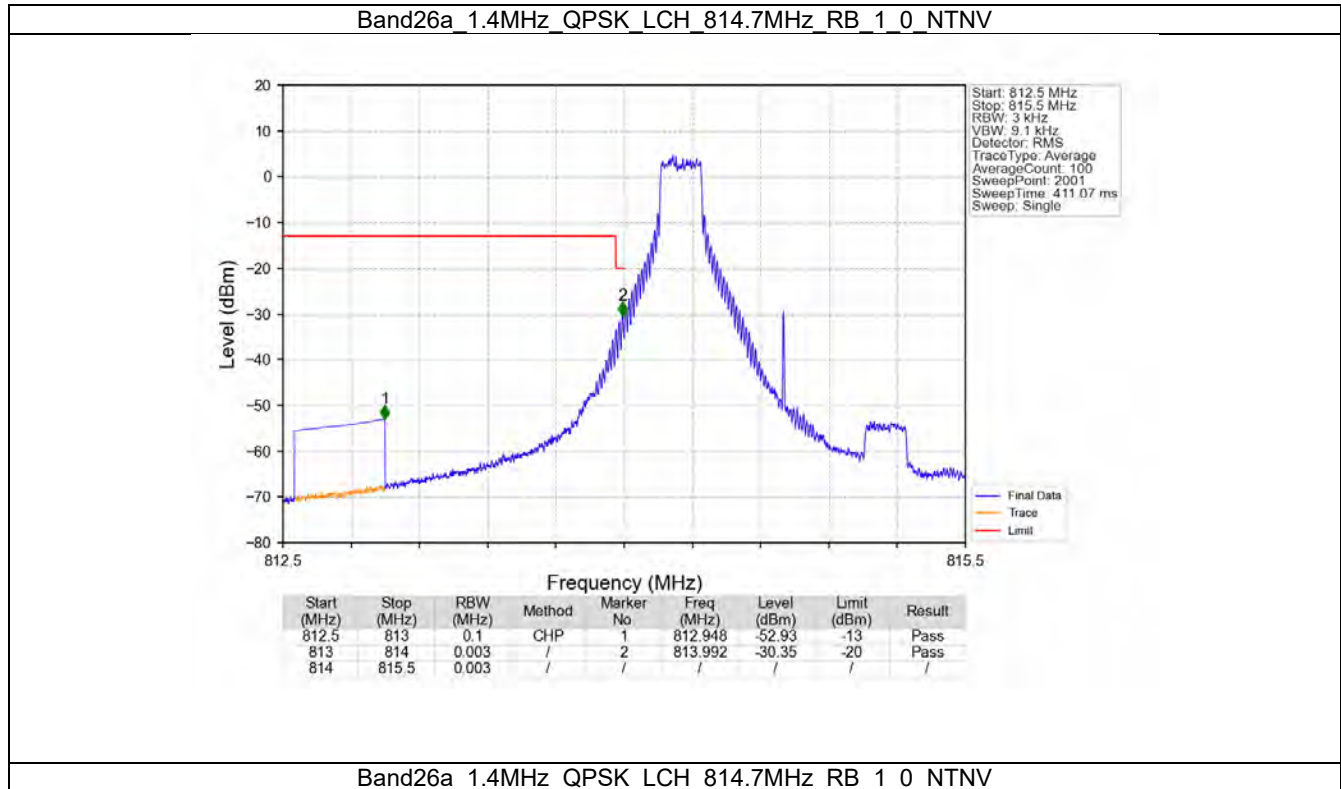
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6.1.2 Test Graph



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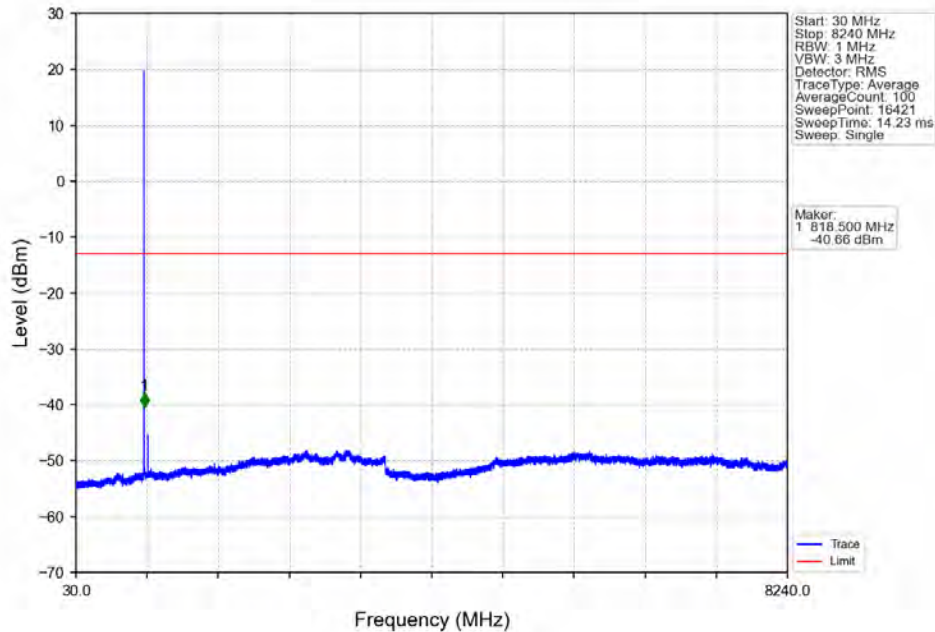
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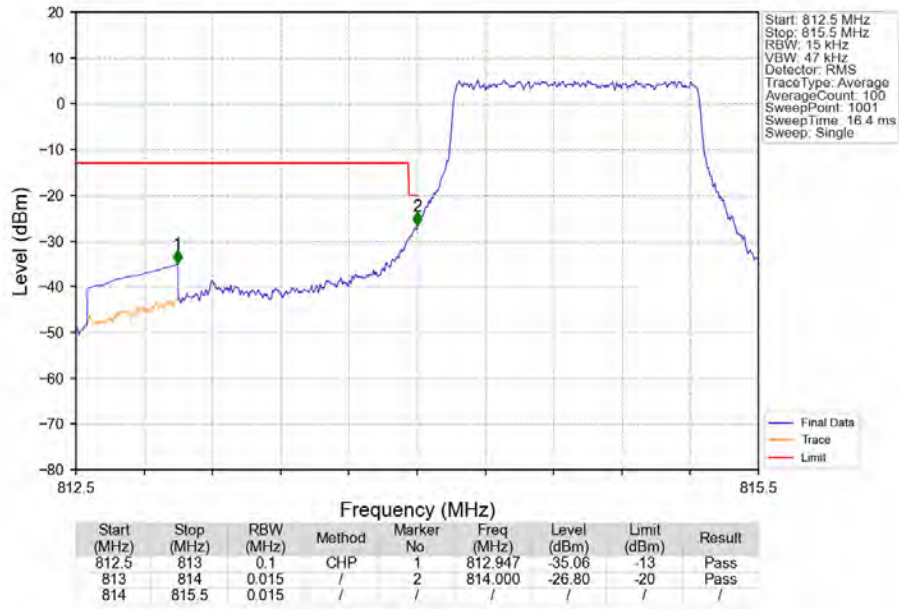
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Band26a 1.4MHz QPSK LCH 814.7MHz_RB_6_0_NTNV



Band26a 1.4MHz QPSK MCH 819MHz_RB_1_0_NTNV



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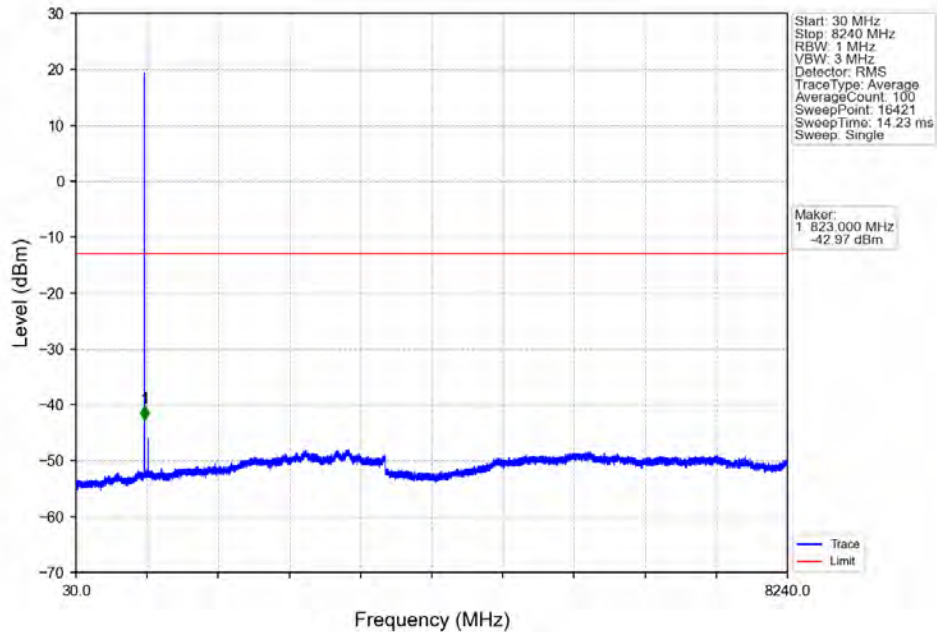
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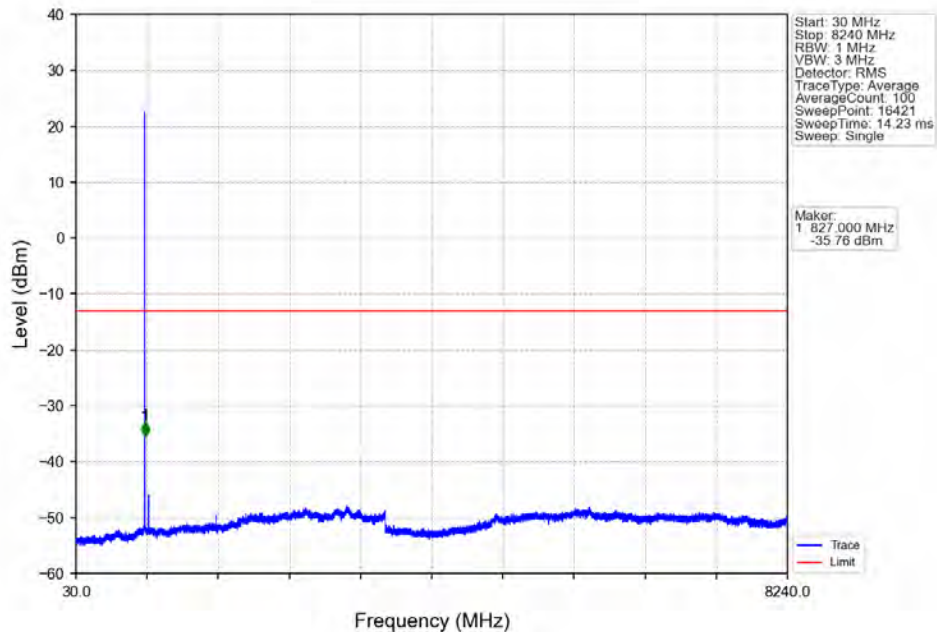
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Band26a 1.4MHz QPSK HCH 823.3MHz_RB_1_0_NTNV



Band26a 1.4MHz QPSK HCH 823.3MHz_RB_1_5_NTNV



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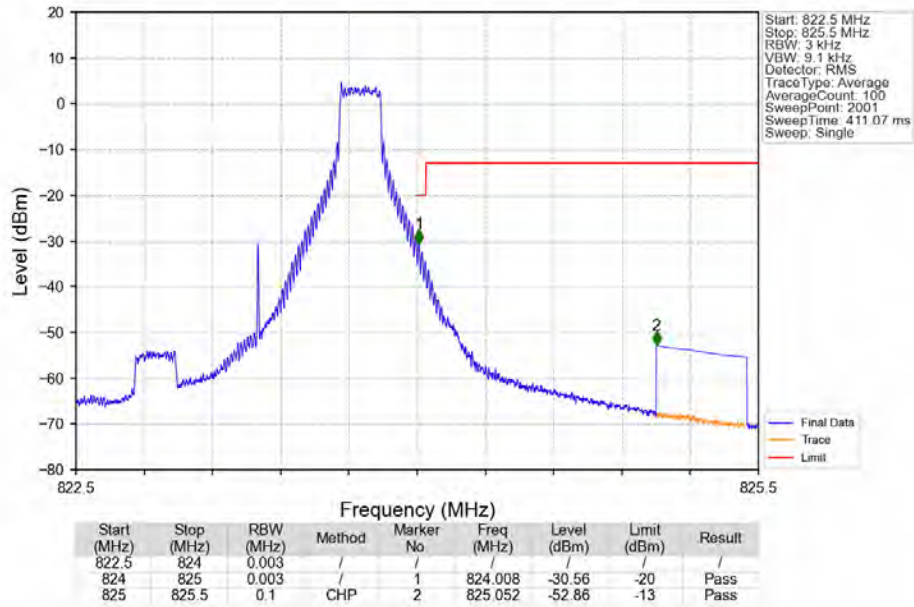
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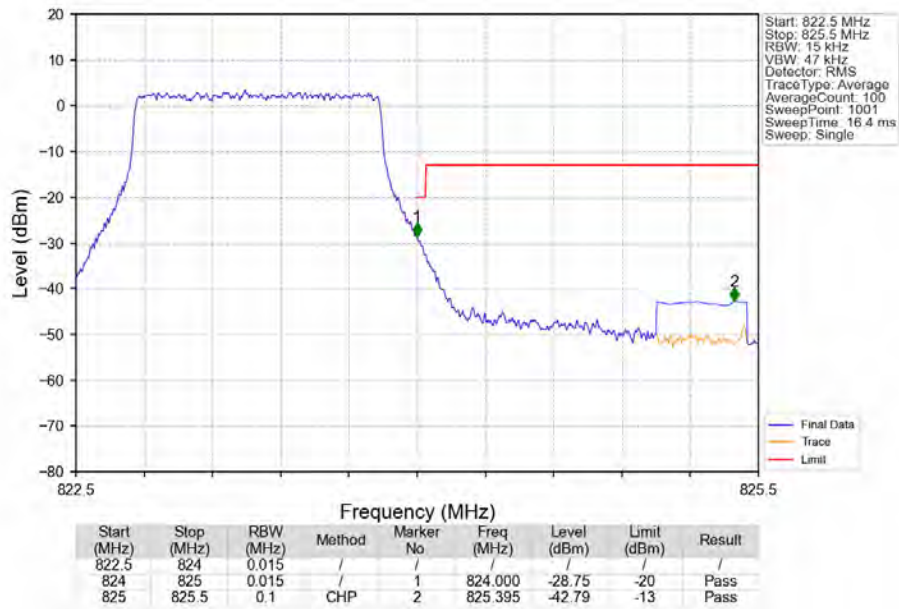
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Band26a 1.4MHz QPSK HCH 823.3MHz_RB_6_0 NTN



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6.2 B26a_3MHz

6.2.1 Test Result

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	815.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	822.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass



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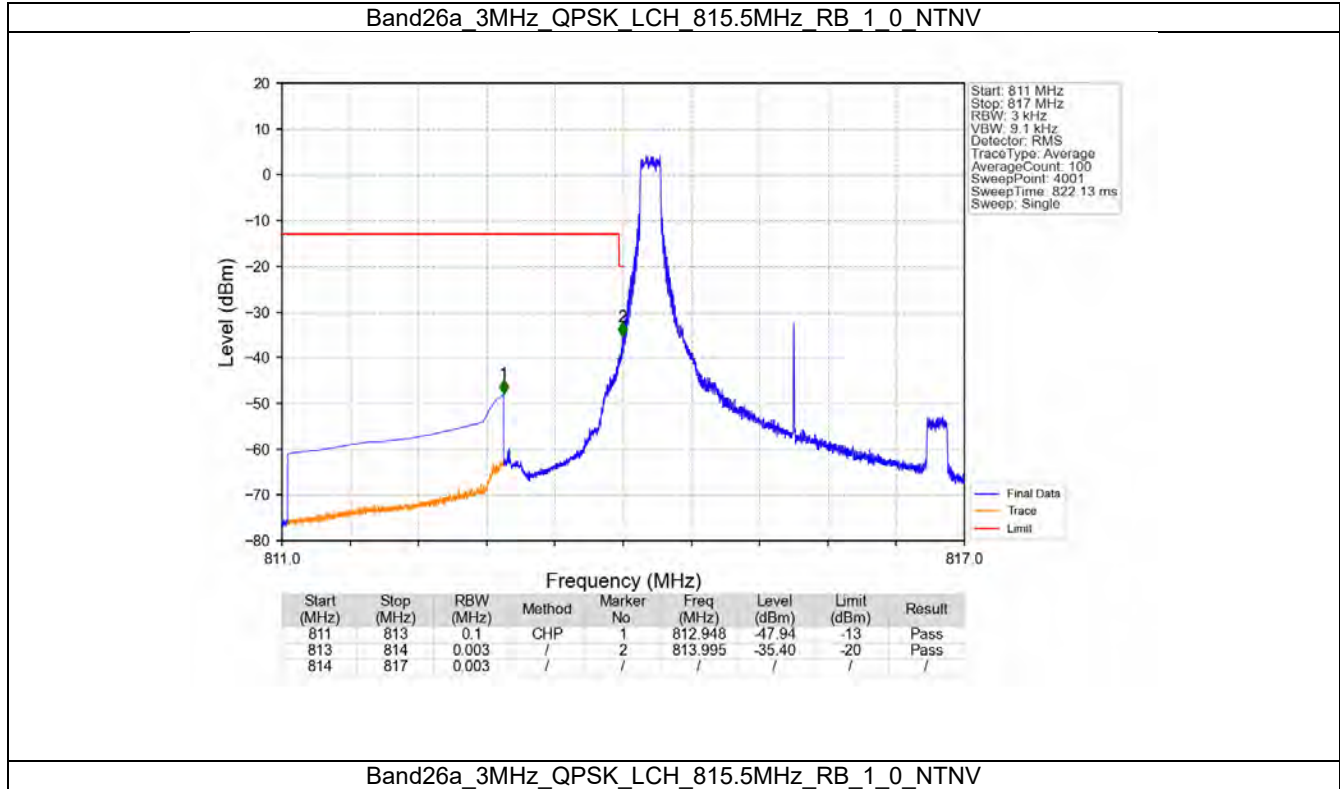
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6.2.2 Test Graph



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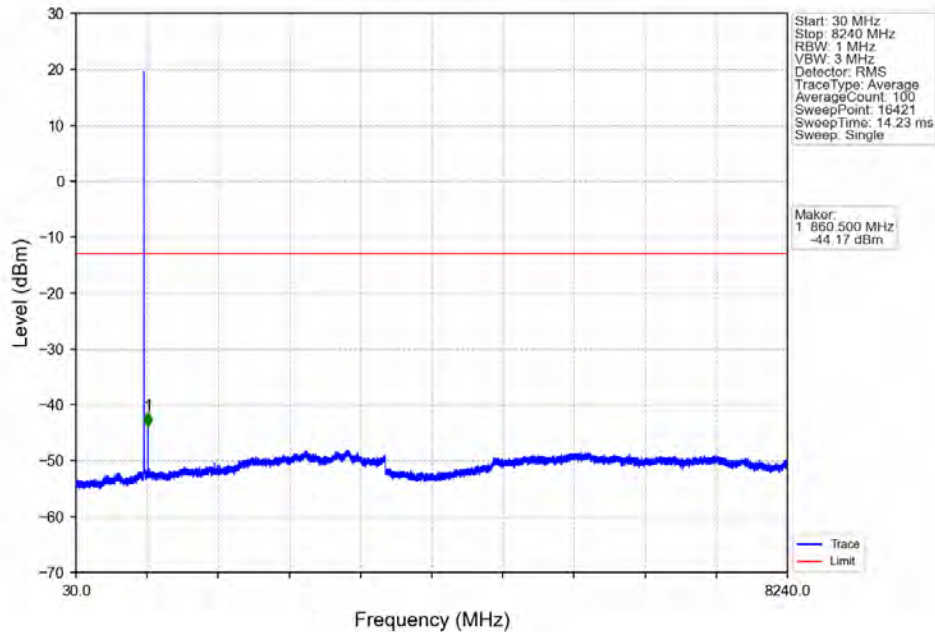
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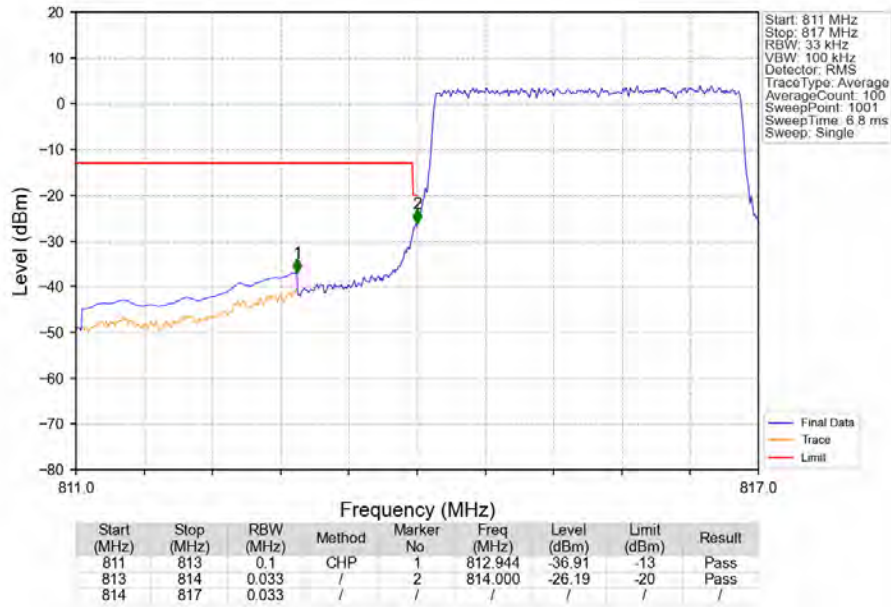
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Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



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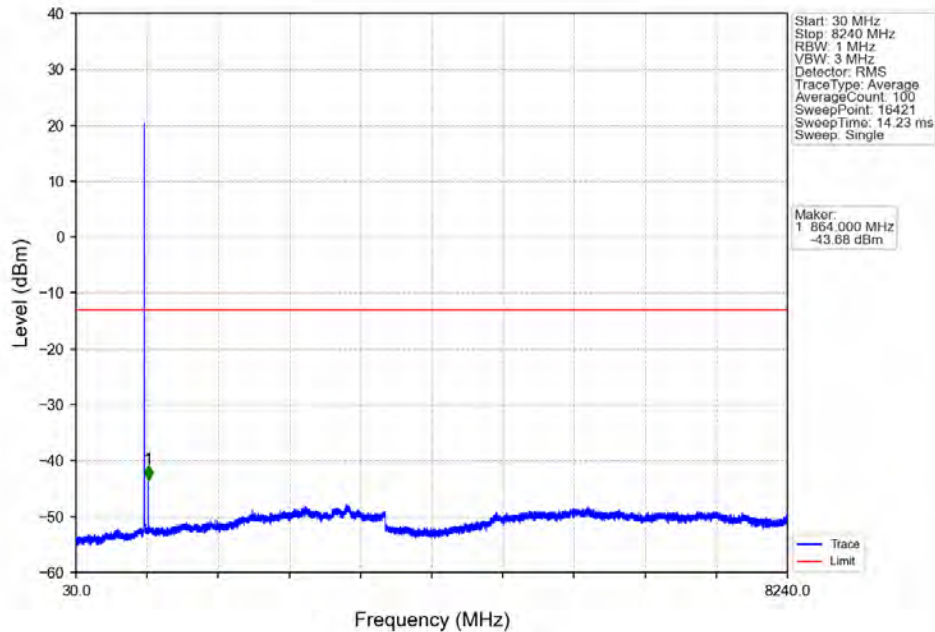
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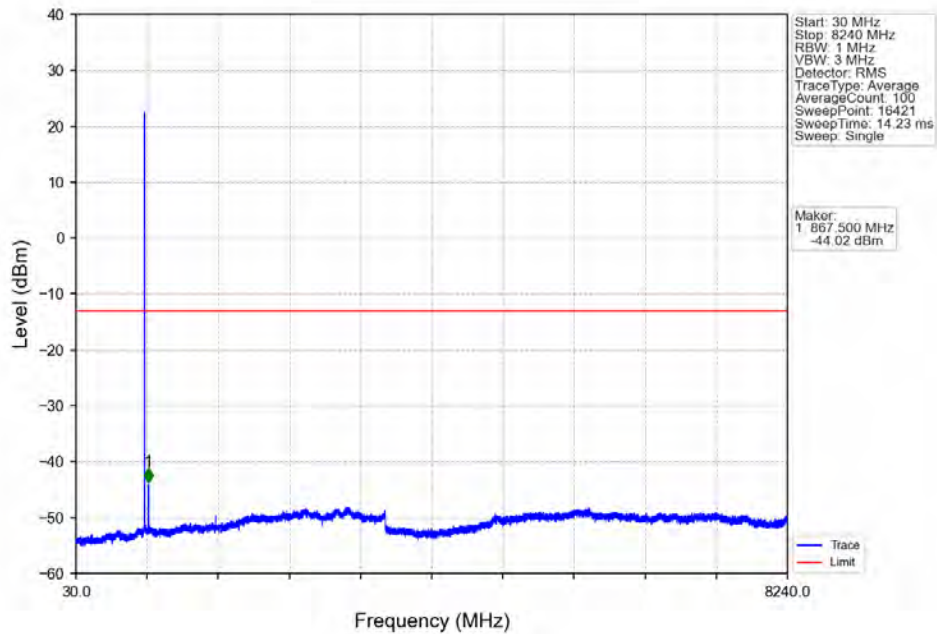
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Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV



Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV



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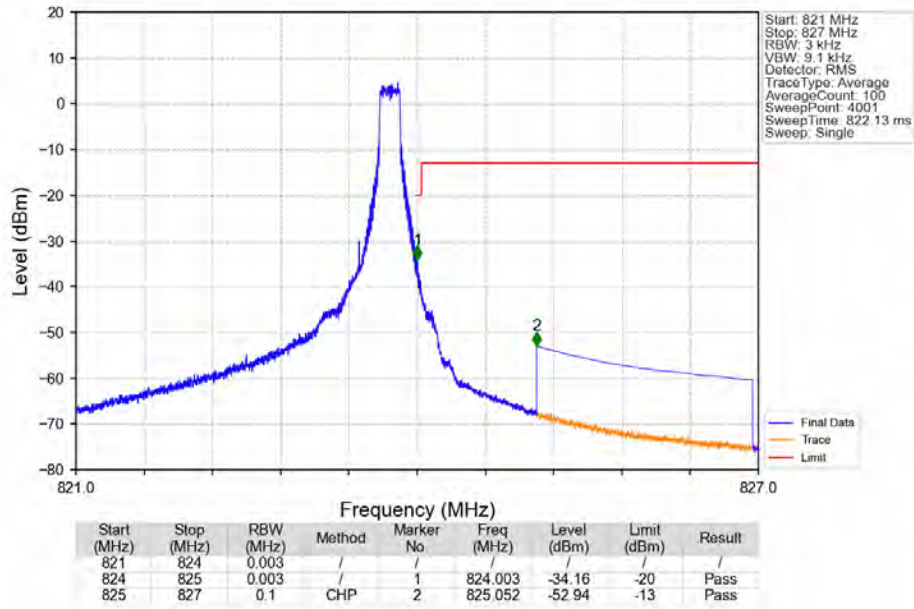
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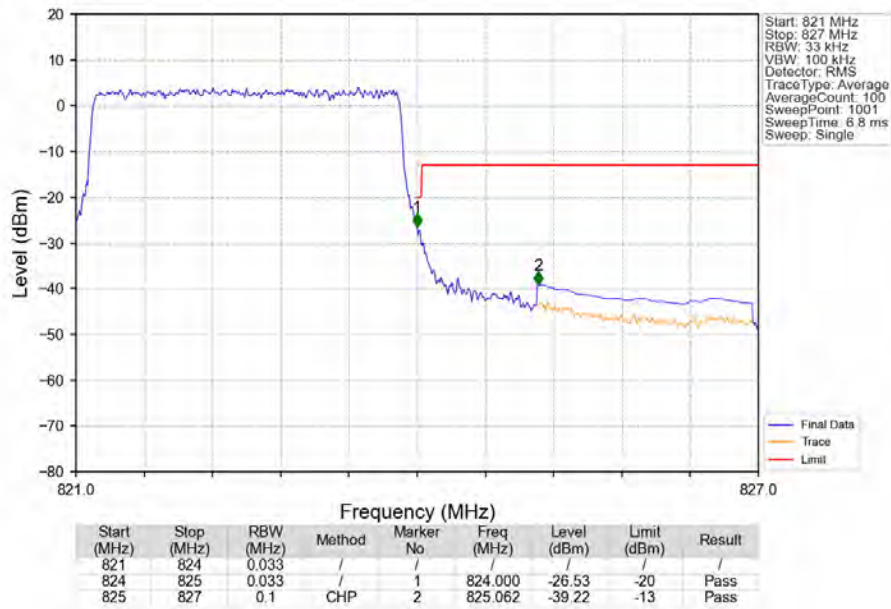
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Band26a 3MHz QPSK HCH 822.5MHz_RB_15_0_NTNV



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6.3 B26a_5MHz

6.3.1 Test Result

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	816.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	819	1	0	Refer To Test Graph		Pass
	821.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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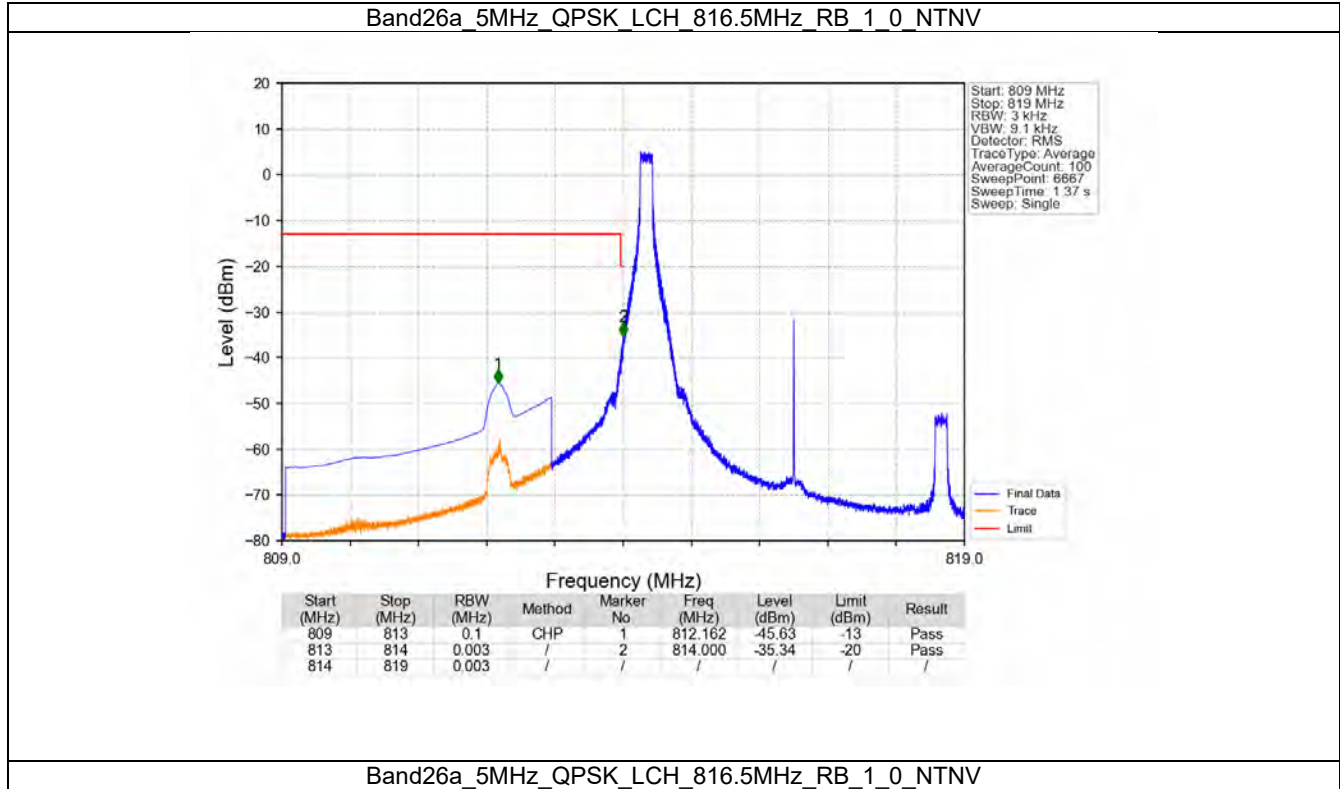
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6.3.2 Test Graph



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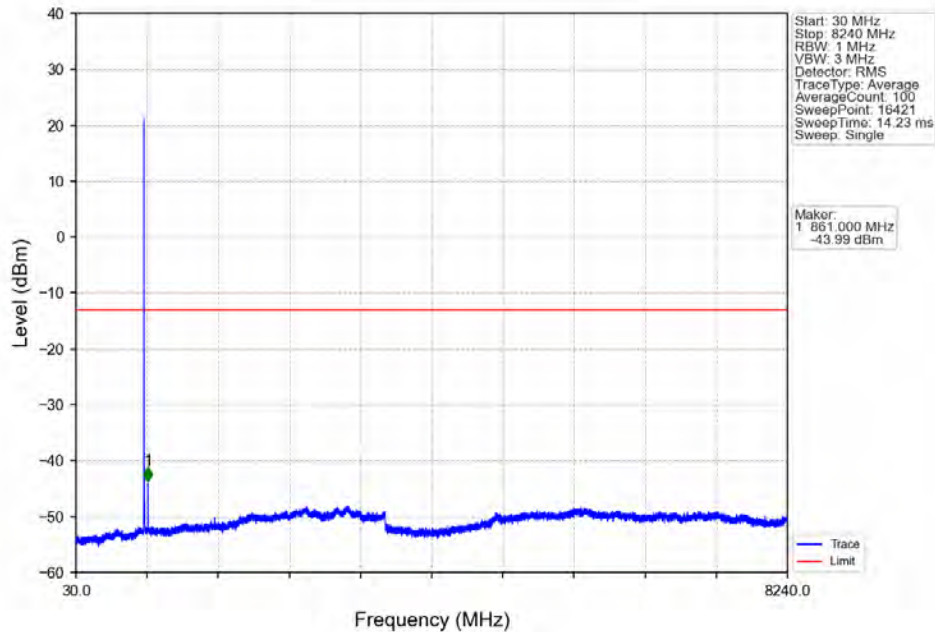
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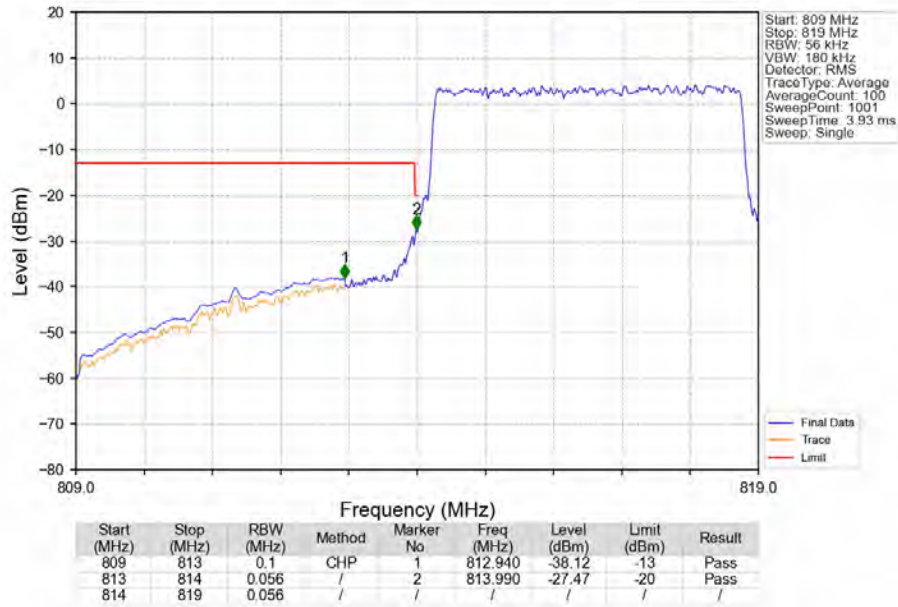
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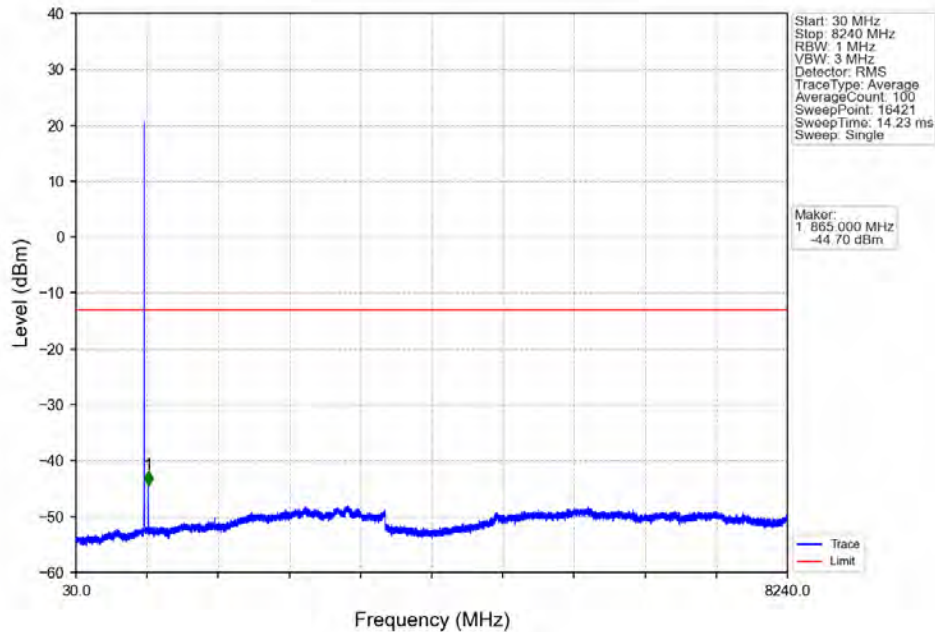
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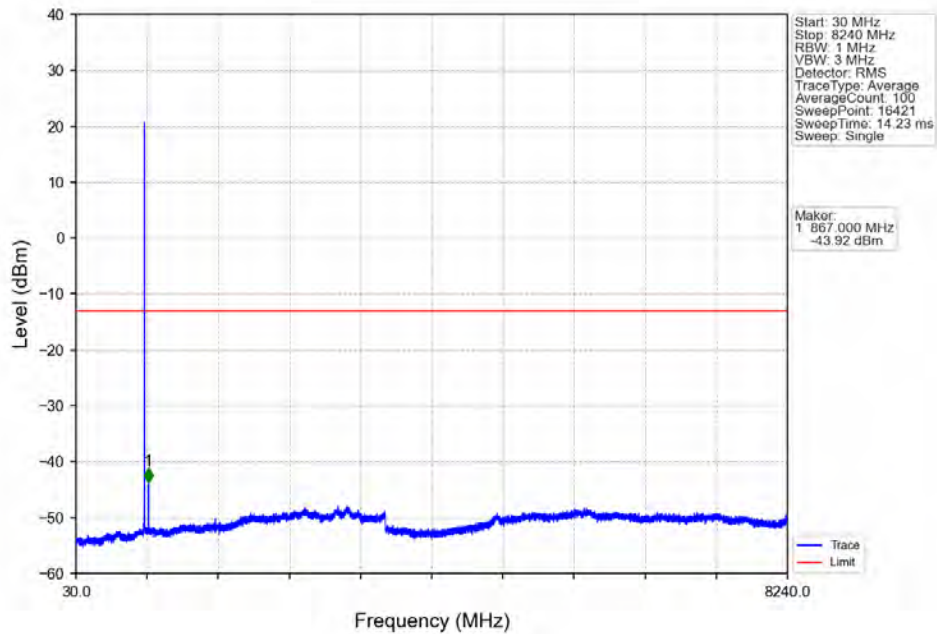
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Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV



Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



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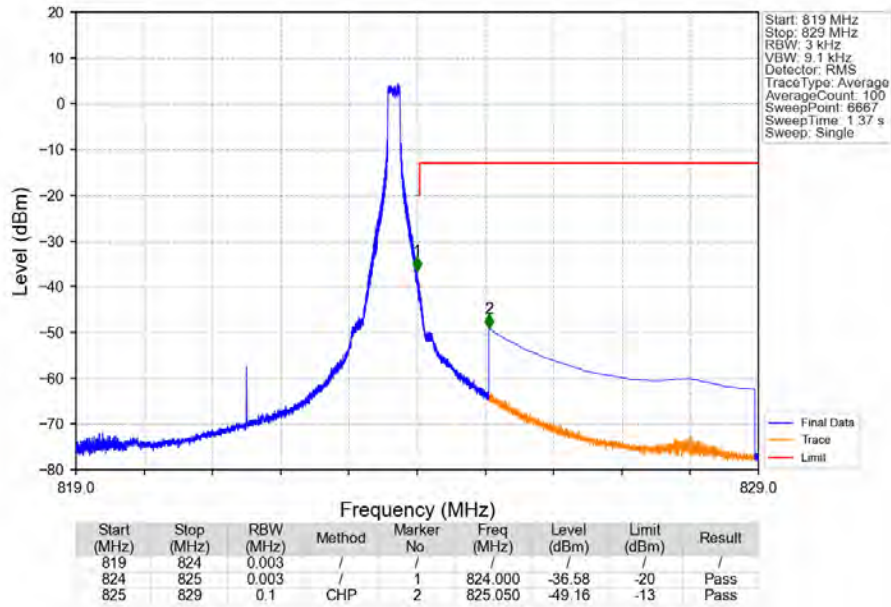
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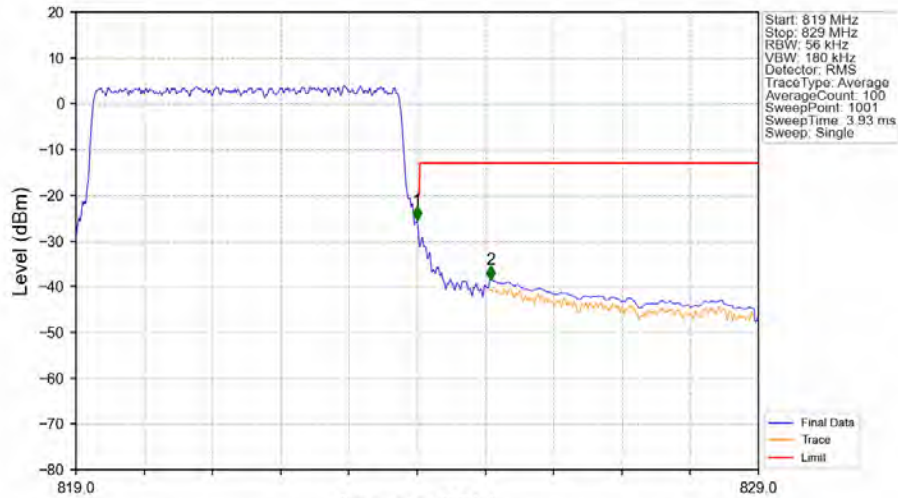
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Band26a 5MHz QPSK HCH 821.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.056	/	1	824.000	-25.56	-20	Pass
824	825	0.056	/	2	825.080	-38.46	-13	Pass
825	829	0.1	CHP					



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6.4 B26a_10MHz

6.4.1 Test Result

Band: 26a / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	819	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	819	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass



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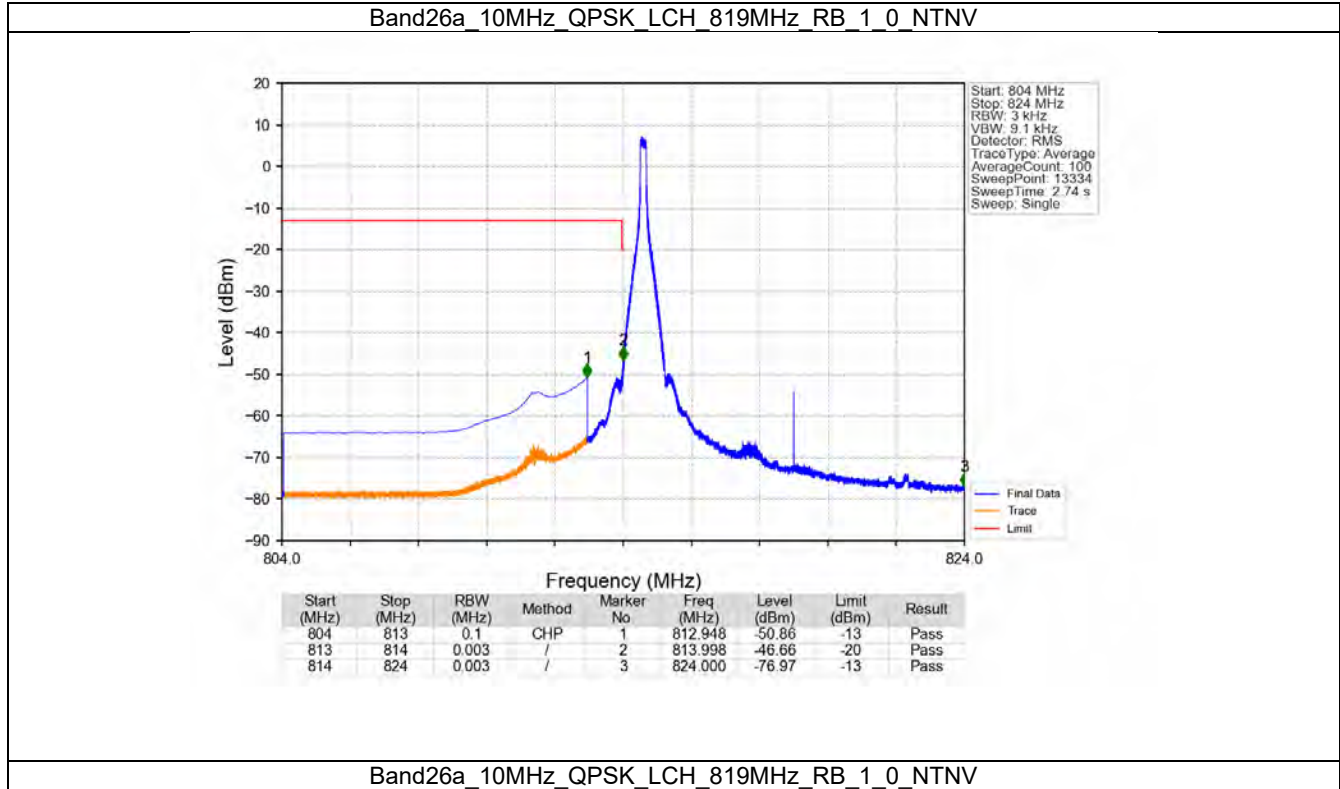
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6.4.2 Test Graph



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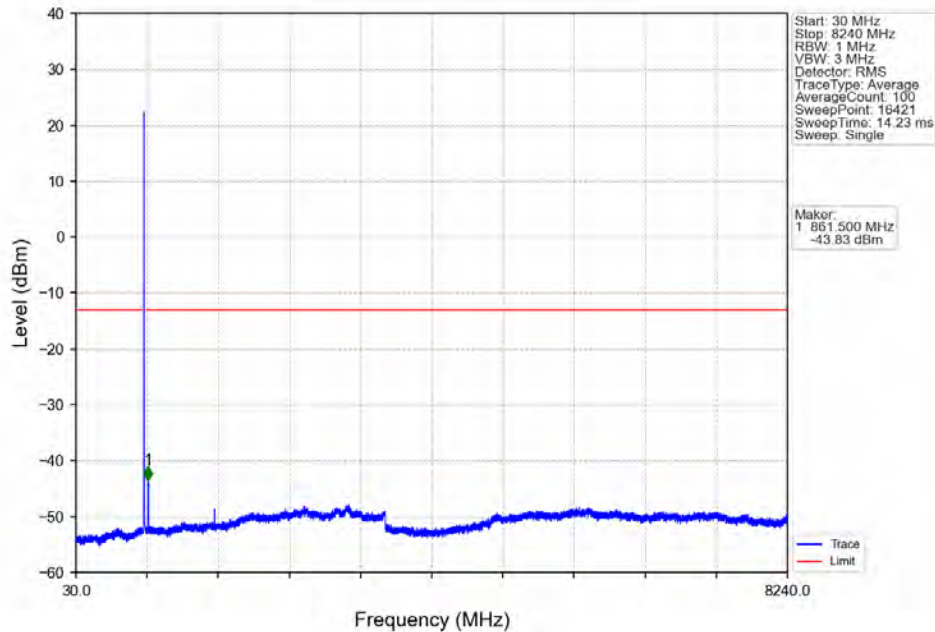
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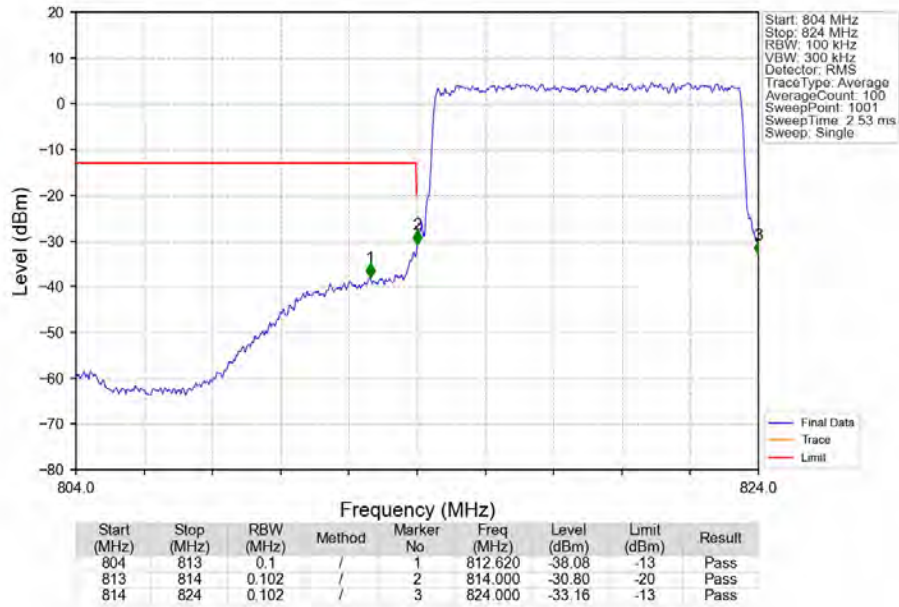
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Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_QPSK_HCH_819MHz_RB_1_49_NTNV



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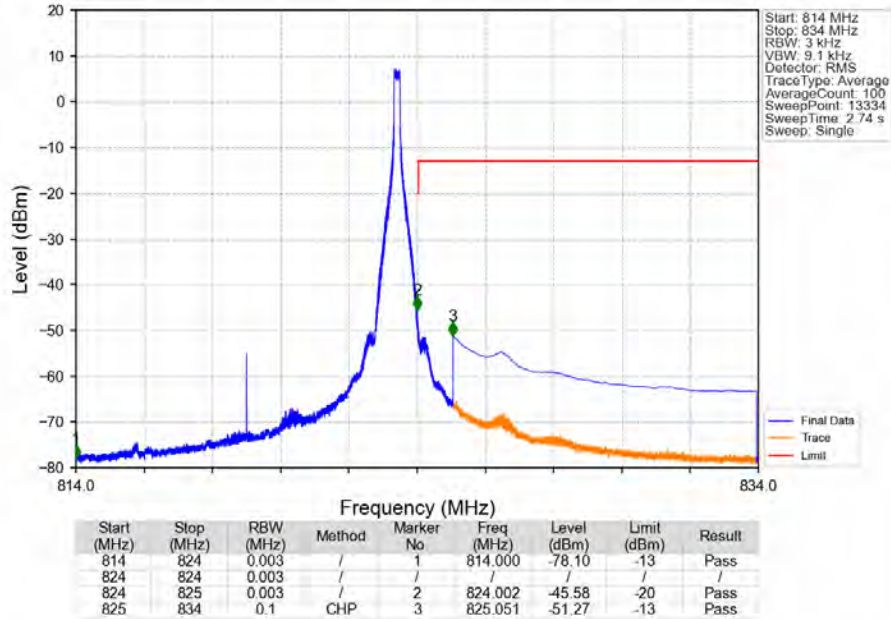
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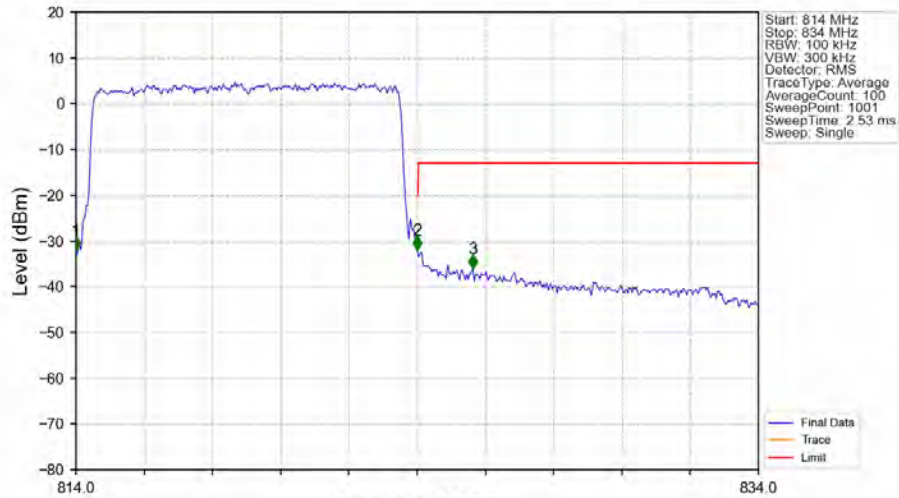
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Band26a_10MHz_QPSK_HCH_819MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.103	/	1	814.000	-32.02	-13	Pass
824	824	0.103	/	/	/	/	/	/
824	825	0.103	/	2	824.000	-32.09	-20	Pass
825	834	0.1	/	3	825.620	-36.16	-13	Pass

---End of Attachment---



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