1. Transmitter Conducted Power Output

1.1 Test Result

1.1.1 B26a_1.4MHz_ERP (ANT13)

Band: 26a / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit (dBm)	Verdict
		Size	Offset			
QPSK	814.7	1	0	23.31	50	Pass
			2	23.36	50	Pass
			5	23.39	50	Pass
		3	0	23.44	50	Pass
			2	23.39	50	Pass
			3	23.42	50	Pass
		6	0	22.43	50	Pass
	819	1	0	23.33	50	Pass
			2	23.36	50	Pass
			5	23.31	50	Pass
		3	0	23.39	50	Pass
			2	23.34	50	Pass
			3	23.38	50	Pass
		6	0	22.39	50	Pass
	823.3	1	0	23.32	50	Pass
			2	23.35	50	Pass
			5	23.26	50	Pass
		3	0	23.31	50	Pass
			2	23.33	50	Pass
			3	23.32	50	Pass
		6	0	22.29	50	Pass
16QAM	814.7	1	0	22.67	50	Pass
			2	22.75	50	Pass
			5	22.74	50	Pass
		3	0	22.57	50	Pass
			2	22.53	50	Pass
			3	22.6	50	Pass
		6	0	21.5	50	Pass
	819	1	0	22.64	50	Pass
			2	22.79	50	Pass
			5	22.69	50	Pass
		3	0	22.46	50	Pass
			2	22.44	50	Pass
			3	22.53	50	Pass
		6	0	21.42	50	Pass
	823.3	1	0	22.63	50	Pass
			2	22.59	50	Pass
			5	22.53	50	Pass
		3	0	22.46	50	Pass
			2	22.45	50	Pass
			3	22.38	50	Pass
		6	0	21.43	50	Pass
64QAM	814.7	1	0	22.54	50	Pass
			2	22.47	50	Pass
			5	22.38	50	Pass

		3	0	22.52	50	Pass
			2	22.46	50	Pass
			3	22.45	50	Pass
		6	0	21.53	50	Pass
	819	1	0	22.56	50	Pass
			2	22.37	50	Pass
			5	22.5	50	Pass
		3	0	22.51	50	Pass
			2	22.43	50	Pass
			3	22.5	50	Pass
		6	0	21.44	50	Pass
	823.3	1	0	22.49	50	Pass
			2	22.55	50	Pass
			5	22.52	50	Pass
		3	0	22.37	50	Pass
			2	22.44	50	Pass
			3	22.46	50	Pass
		6	0	21.4	50	Pass
256QAM	814.7	1	0	18.4	50	Pass
			2	18.51	50	Pass
			5	18.39	50	Pass
		3	0	18.49	50	Pass
			2	18.4	50	Pass
			3	18.49	50	Pass
		6	0	18.43	50	Pass
	819	1	0	18.44	50	Pass
			2	18.35	50	Pass
			5	18.46	50	Pass
		3	0	18.47	50	Pass
			2	18.46	50	Pass
			3	18.35	50	Pass
		6	0	18.42	50	Pass
	823.3	1	0	18.39	50	Pass
			2	18.5	50	Pass
			5	18.45	50	Pass
		3	0	18.39	50	Pass
			2	18.38	50	Pass
			3	18.4	50	Pass
		6	0	18.35	50	Pass

1.1.2 B26a_3MHz_ERP (ANT13)

Band: 26a / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit (dBm)	Verdict
		Size	Offset			
QPSK	815.5	1	0	23.27	50	Pass
			7	23.36	50	Pass
			14	23.34	50	Pass
		8	0	22.51	50	Pass
			4	22.47	50	Pass
			7	22.45	50	Pass
		15	0	22.42	50	Pass
	819	1	0	23.38	50	Pass
			7	23.37	50	Pass

			14	23.35	50	Pass
		8	0	22.45	50	Pass
			4	22.45	50	Pass
			7	22.45	50	Pass
		15	0	22.47	50	Pass
	822.5	1	0	23.32	50	Pass
			7	23.38	50	Pass
			14	23.25	50	Pass
		8	0	22.42	50	Pass
			4	22.44	50	Pass
			7	22.36	50	Pass
		15	0	22.39	50	Pass
16QAM	815.5	1	0	22.6	50	Pass
			7	22.9	50	Pass
			14	22.61	50	Pass
		8	0	21.53	50	Pass
			4	21.59	50	Pass
			7	21.49	50	Pass
		15	0	21.55	50	Pass
	819	1	0	22.79	50	Pass
			7	22.75	50	Pass
			14	22.72	50	Pass
		8	0	21.46	50	Pass
			4	21.54	50	Pass
			7	21.44	50	Pass
		15	0	21.49	50	Pass
	822.5	1	0	22.57	50	Pass
			7	22.63	50	Pass
			14	22.61	50	Pass
		8	0	21.45	50	Pass
			4	21.48	50	Pass
			7	21.39	50	Pass
		15	0	21.33	50	Pass
64QAM	815.5	1	0	22.61	50	Pass
			7	22.67	50	Pass
			14	22.59	50	Pass
		8	0	21.55	50	Pass
			4	21.59	50	Pass
			7	21.46	50	Pass
		15	0	21.47	50	Pass
	819	1	0	22.47	50	Pass
			7	22.58	50	Pass
			14	22.36	50	Pass
		8	0	21.48	50	Pass
			4	21.51	50	Pass
			7	21.47	50	Pass
		15	0	21.52	50	Pass
	822.5	1	0	22.49	50	Pass
			7	22.32	50	Pass
			14	22.49	50	Pass
		8	0	21.4	50	Pass
			4	21.45	50	Pass
			7	21.43	50	Pass
		15	0	21.37	50	Pass
256QAM	815.5	1	0	18.7	50	Pass
			7	18.65	50	Pass
			14	18.43	50	Pass

		8	0	18.53	50	Pass
			4	18.51	50	Pass
			7	18.47	50	Pass
		15	0	18.49	50	Pass
	819	1	0	18.46	50	Pass
			7	18.47	50	Pass
			14	18.56	50	Pass
		8	0	18.44	50	Pass
			4	18.51	50	Pass
			7	18.36	50	Pass
		15	0	18.47	50	Pass
	822.5	1	0	18.29	50	Pass
			7	18.61	50	Pass
			14	18.53	50	Pass
		8	0	18.4	50	Pass
			4	18.47	50	Pass
			7	18.4	50	Pass
		15	0	18.42	50	Pass

1.1.3 B26a_5MHz_ERP (ANT13)

Band: 26a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit (dBm)	Verdict
		Size	Offset			
QPSK	816.5	1	0	23.28	50	Pass
			13	23.38	50	Pass
			24	23.38	50	Pass
		12	0	22.44	50	Pass
			6	22.52	50	Pass
			13	22.46	50	Pass
		25	0	22.4	50	Pass
	819	1	0	23.4	50	Pass
			13	23.38	50	Pass
			24	23.32	50	Pass
		12	0	22.45	50	Pass
			6	22.47	50	Pass
			13	22.42	50	Pass
		25	0	22.44	50	Pass
	821.5	1	0	23.38	50	Pass
			13	23.39	50	Pass
			24	23.34	50	Pass
		12	0	22.44	50	Pass
			6	22.49	50	Pass
			13	22.41	50	Pass
		25	0	22.42	50	Pass
16QAM	816.5	1	0	22.65	50	Pass
			13	22.69	50	Pass
			24	22.53	50	Pass
		12	0	21.48	50	Pass
			6	21.5	50	Pass
			13	21.49	50	Pass
		25	0	21.43	50	Pass
	819	1	0	22.71	50	Pass
			13	22.77	50	Pass

			24	22.78	50	Pass
		12	0	21.47	50	Pass
			6	21.43	50	Pass
			13	21.39	50	Pass
		25	0	21.47	50	Pass
	821.5	1	0	22.67	50	Pass
			13	22.75	50	Pass
			24	22.85	50	Pass
		12	0	21.42	50	Pass
			6	21.48	50	Pass
			13	21.5	50	Pass
		25	0	21.43	50	Pass
64QAM	816.5	1	0	22.37	50	Pass
			13	22.56	50	Pass
			24	22.42	50	Pass
		12	0	21.48	50	Pass
			6	21.47	50	Pass
			13	21.38	50	Pass
		25	0	21.51	50	Pass
	819	1	0	22.39	50	Pass
			13	22.57	50	Pass
			24	22.53	50	Pass
		12	0	21.5	50	Pass
			6	21.48	50	Pass
			13	21.46	50	Pass
		25	0	21.4	50	Pass
	821.5	1	0	22.56	50	Pass
			13	22.48	50	Pass
			24	22.45	50	Pass
		12	0	21.34	50	Pass
			6	21.54	50	Pass
			13	21.43	50	Pass
		25	0	21.4	50	Pass
256QAM	816.5	1	0	18.63	50	Pass
			13	18.58	50	Pass
			24	18.61	50	Pass
		12	0	18.43	50	Pass
			6	18.53	50	Pass
			13	18.44	50	Pass
		25	0	18.52	50	Pass
	819	1	0	18.53	50	Pass
			13	18.52	50	Pass
			24	18.55	50	Pass
		12	0	18.48	50	Pass
			6	18.49	50	Pass
			13	18.42	50	Pass
		25	0	18.47	50	Pass
	821.5	1	0	18.53	50	Pass
			13	18.51	50	Pass
			24	18.43	50	Pass
		12	0	18.39	50	Pass
			6	18.37	50	Pass
			13	18.44	50	Pass
		25	0	18.38	50	Pass

1.1.4 B26a_10MHz_ERP (ANT13)

Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Limit (dBm)	Verdict
		Size	Offset			
QPSK	819	1	0	23.39	50	Pass
			25	23.33	50	Pass
			49	23.35	50	Pass
		25	0	22.46	50	Pass
			13	22.5	50	Pass
			25	22.51	50	Pass
		50	0	22.44	50	Pass
16QAM	819	1	0	22.74	50	Pass
			25	22.76	50	Pass
			49	22.63	50	Pass
		25	0	21.47	50	Pass
			13	21.45	50	Pass
			25	21.39	50	Pass
		50	0	21.52	50	Pass
64QAM	819	1	0	22.53	50	Pass
			25	22.55	50	Pass
			49	22.48	50	Pass
		25	0	21.51	50	Pass
			13	21.48	50	Pass
			25	21.46	50	Pass
		50	0	21.47	50	Pass
256QAM	819	1	0	18.65	50	Pass
			25	18.52	50	Pass
			49	18.44	50	Pass
		25	0	18.51	50	Pass
			13	18.46	50	Pass
			25	18.53	50	Pass
		50	0	18.53	50	Pass

2. Frequency Stability

2.1 Test Result

2.1.1 B26a_10MHz

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	3.7	2.600	0.0032	/	Pass
					3.91	0.600	0.0007	/	Pass
					4.4	-1.700	-0.0021	/	Pass
				-30	3.91	2.200	0.0027	/	Pass
				-20	3.91	1.800	0.0022	/	Pass
				-10	3.91	-0.300	-0.0004	/	Pass
				0	3.91	-0.400	-0.0005	/	Pass
				10	3.91	1.900	0.0023	/	Pass
				30	3.91	1.700	0.0021	/	Pass
				40	3.91	1.200	0.0015	/	Pass
				50	3.91	0.200	0.0002	/	Pass

16QAM	819	50	0	20	3.7	1.300	0.0016	/	Pass
					3.91	-0.100	-0.0001	/	Pass
					4.4	1.700	0.0021	/	Pass
				-30	3.91	1.100	0.0013	/	Pass
				-20	3.91	0.100	0.0001	/	Pass
				-10	3.91	1.400	0.0017	/	Pass
				0	3.91	1.600	0.0020	/	Pass
				10	3.91	0.700	0.0009	/	Pass
				30	3.91	1.700	0.0021	/	Pass
				40	3.91	-1.100	-0.0013	/	Pass
				50	3.91	0.700	0.0009	/	Pass
64QAM	819	50	0	20	3.7	14.000	0.0171	/	Pass
					3.91	20.000	0.0244	/	Pass
					4.4	5.200	0.0063	/	Pass
				-30	3.91	3.600	0.0044	/	Pass
				-20	3.91	-7.700	-0.0094	/	Pass
				-10	3.91	0.700	0.0009	/	Pass
				0	3.91	-9.500	-0.0116	/	Pass
				10	3.91	-8.000	-0.0098	/	Pass
				30	3.91	-7.900	-0.0096	/	Pass
				40	3.91	-24.600	-0.0300	/	Pass
				50	3.91	5.700	0.0070	/	Pass
256QAM	819	50	0	20	3.7	-0.100	-0.0001	/	Pass
					3.91	1.400	0.0017	/	Pass
					4.4	0.700	0.0009	/	Pass
				-30	3.91	-0.300	-0.0004	/	Pass
				-20	3.91	0.300	0.0004	/	Pass
				-10	3.91	0.200	0.0002	/	Pass
				0	3.91	0.800	0.0010	/	Pass
				10	3.91	0.600	0.0007	/	Pass
				30	3.91	0.900	0.0011	/	Pass
				40	3.91	0.100	0.0001	/	Pass
				50	3.91	-0.200	-0.0002	/	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26a_OBW

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	1.118	/	Pass
		819	6	0	1.120	/	Pass
		823.3	6	0	1.123	/	Pass
	16QAM	814.7	6	0	1.122	/	Pass
		819	6	0	1.126	/	Pass
		823.3	6	0	1.138	/	Pass
	64QAM	814.7	6	0	1.130	/	Pass
		819	6	0	1.122	/	Pass
		823.3	6	0	1.121	/	Pass
	256QAM	814.7	6	0	1.115	/	Pass
		819	6	0	1.123	/	Pass
		823.3	6	0	1.126	/	Pass
3	QPSK	815.5	15	0	2.734	/	Pass

		819	15	0	2.737	/	Pass
		822.5	15	0	2.742	/	Pass
	16QAM	815.5	15	0	2.746	/	Pass
		819	15	0	2.764	/	Pass
		822.5	15	0	2.732	/	Pass
	64QAM	815.5	15	0	2.751	/	Pass
		819	15	0	2.747	/	Pass
		822.5	15	0	2.748	/	Pass
	256QAM	815.5	15	0	2.742	/	Pass
		819	15	0	2.743	/	Pass
		822.5	15	0	2.744	/	Pass
5	QPSK	816.5	25	0	4.564	/	Pass
		819	25	0	4.554	/	Pass
		821.5	25	0	4.575	/	Pass
	16QAM	816.5	25	0	4.560	/	Pass
		819	25	0	4.568	/	Pass
		821.5	25	0	4.563	/	Pass
	64QAM	816.5	25	0	4.573	/	Pass
		819	25	0	4.563	/	Pass
		821.5	25	0	4.554	/	Pass
	256QAM	816.5	25	0	4.557	/	Pass
		819	25	0	4.560	/	Pass
		821.5	25	0	4.564	/	Pass
10	QPSK	819	50	0	9.103	/	Pass
	16QAM	819	50	0	9.113	/	Pass
	64QAM	819	50	0	9.116	/	Pass
	256QAM	819	50	0	9.121	/	Pass

3.1.2 Band26a_XDB

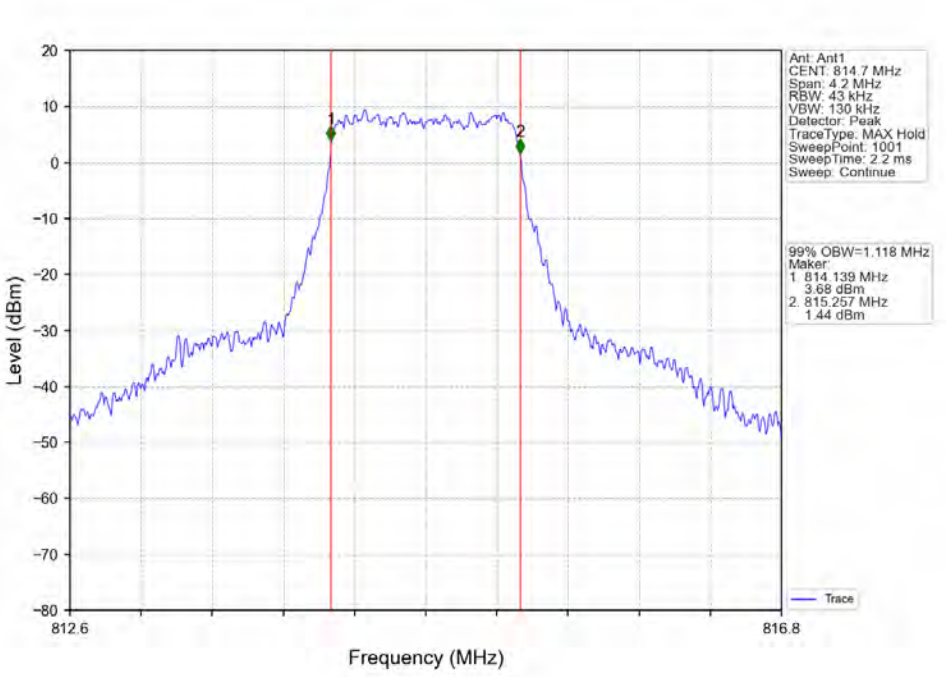
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.381	/	Pass
		819	6	0	1.368	/	Pass
		823.3	6	0	1.395	/	Pass
	16QAM	814.7	6	0	1.389	/	Pass
		819	6	0	1.437	/	Pass
		823.3	6	0	1.423	/	Pass
	64QAM	814.7	6	0	1.411	/	Pass
		819	6	0	1.366	/	Pass
		823.3	6	0	1.403	/	Pass
	256QAM	814.7	6	0	1.379	/	Pass
		819	6	0	1.372	/	Pass
		823.3	6	0	1.410	/	Pass
3	QPSK	815.5	15	0	3.109	/	Pass
		819	15	0	3.119	/	Pass
		822.5	15	0	3.136	/	Pass
	16QAM	815.5	15	0	3.132	/	Pass
		819	15	0	3.114	/	Pass
		822.5	15	0	3.099	/	Pass
	64QAM	815.5	15	0	3.128	/	Pass
		819	15	0	3.124	/	Pass
		822.5	15	0	3.146	/	Pass
	256QAM	815.5	15	0	3.103	/	Pass
		819	15	0	3.132	/	Pass
		822.5	15	0	3.108	/	Pass

5	QPSK	816.5	25	0	5.247	/	Pass
		819	25	0	5.227	/	Pass
		821.5	25	0	5.311	/	Pass
	16QAM	816.5	25	0	5.237	/	Pass
		819	25	0	5.221	/	Pass
		821.5	25	0	5.269	/	Pass
	64QAM	816.5	25	0	5.212	/	Pass
		819	25	0	5.290	/	Pass
		821.5	25	0	5.205	/	Pass
	256QAM	816.5	25	0	5.224	/	Pass
		819	25	0	5.277	/	Pass
		821.5	25	0	5.268	/	Pass
10	QPSK	819	50	0	10.192	/	Pass
	16QAM	819	50	0	10.436	/	Pass
	64QAM	819	50	0	10.236	/	Pass
	256QAM	819	50	0	10.079	/	Pass

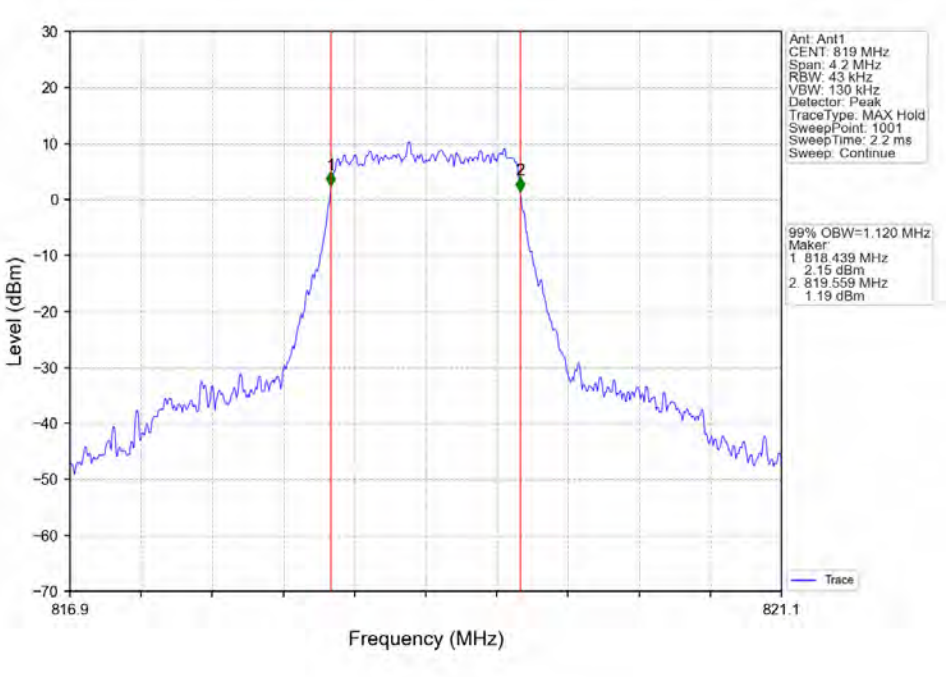
3.2 Test Graph

3.2.1 Band26a_OBW

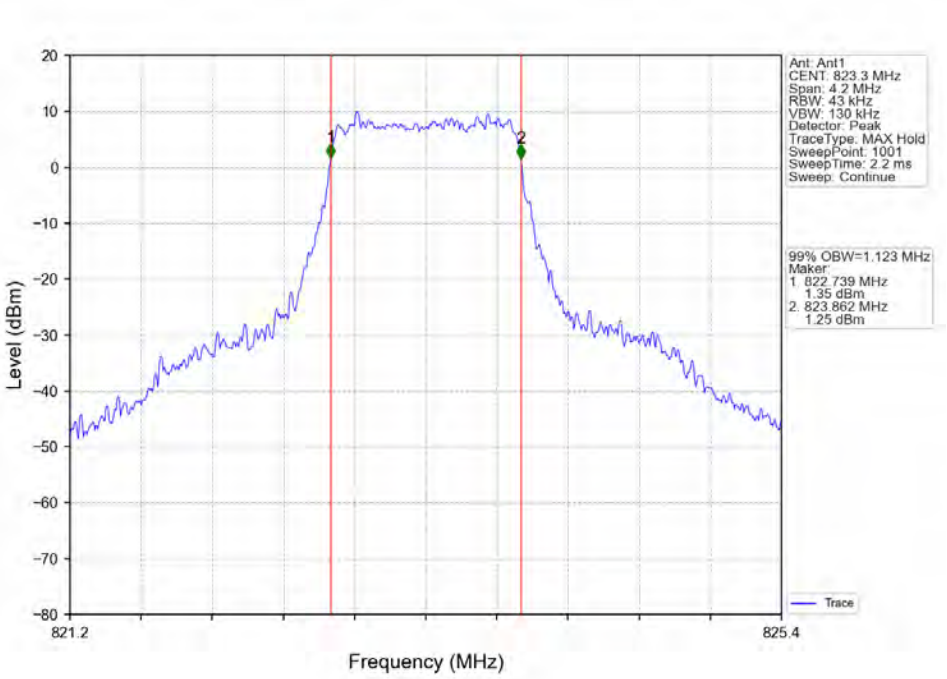
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV



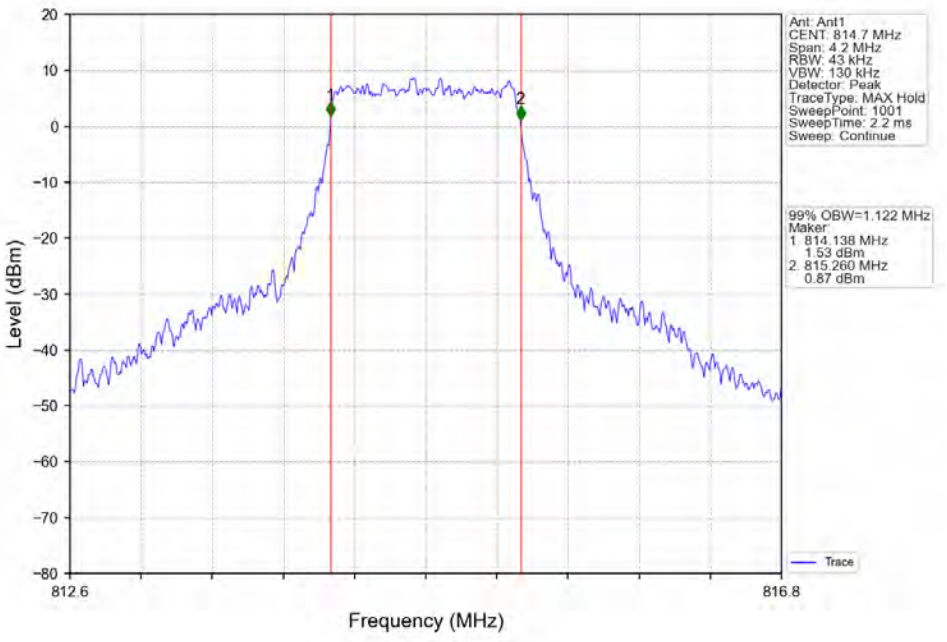
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV



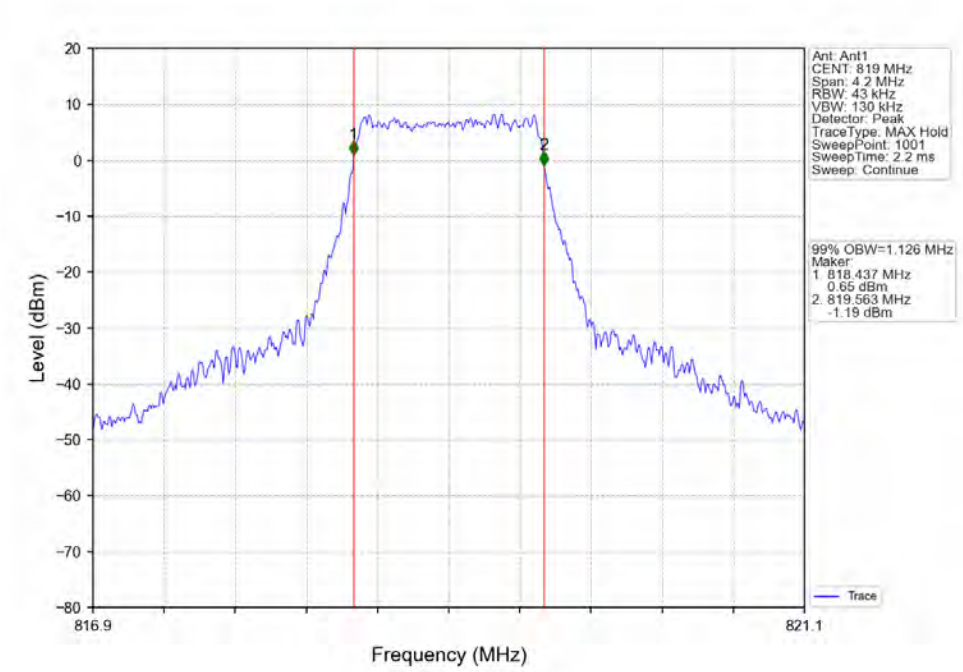
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



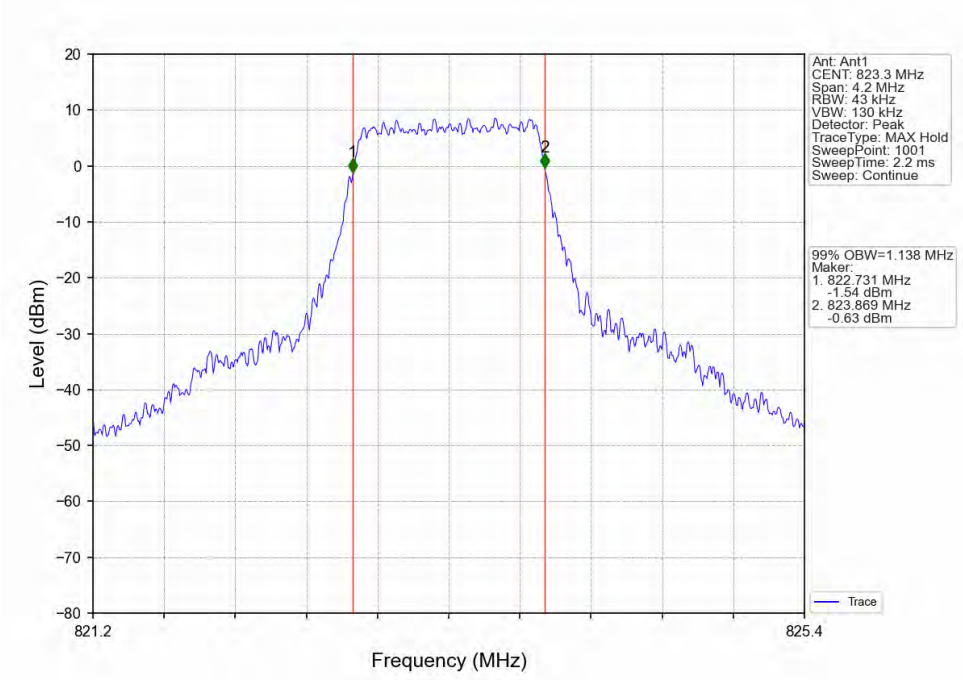
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV

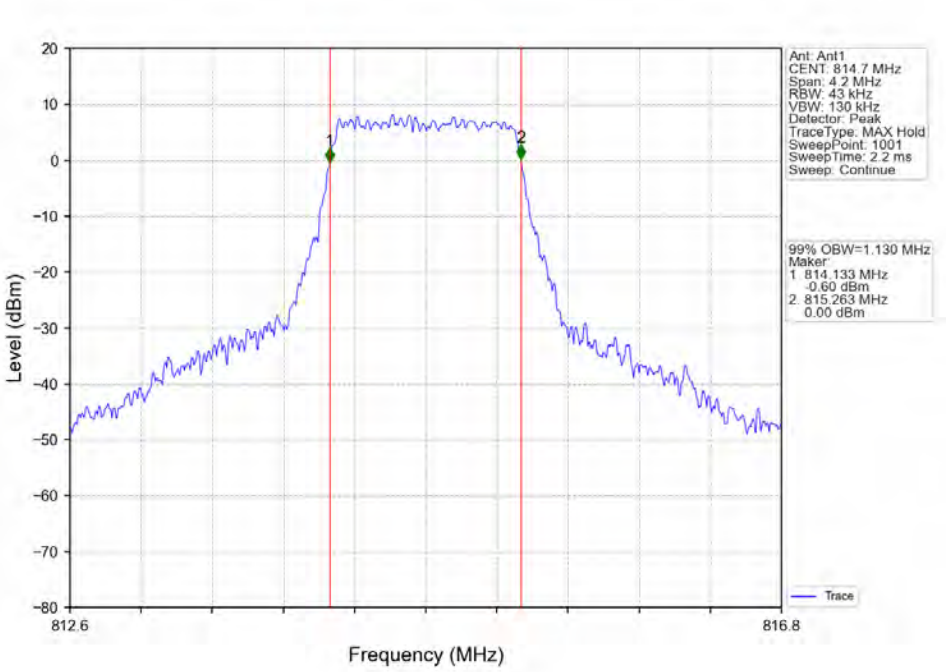


Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV



Band26a_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV



Band26a_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV

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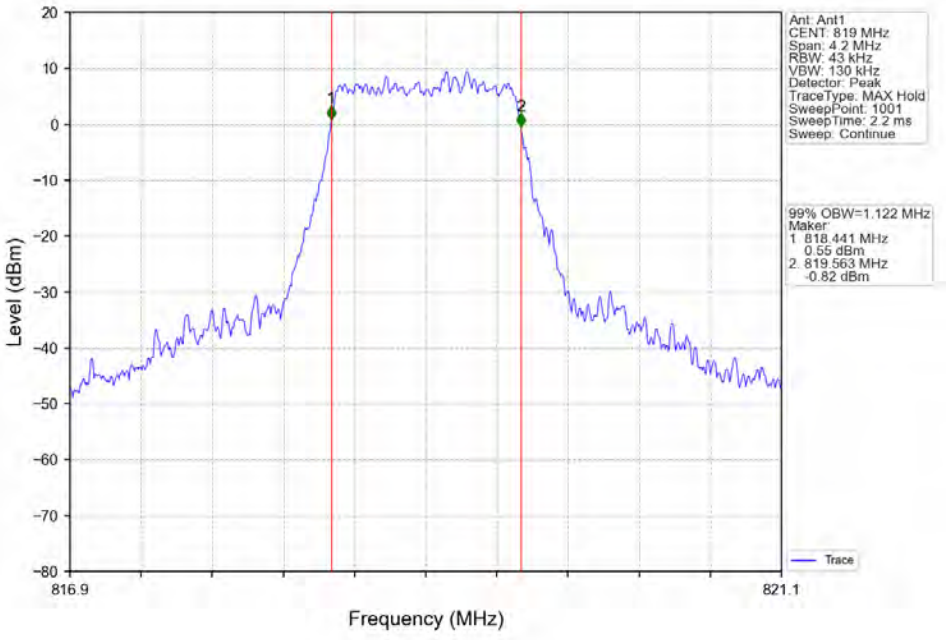
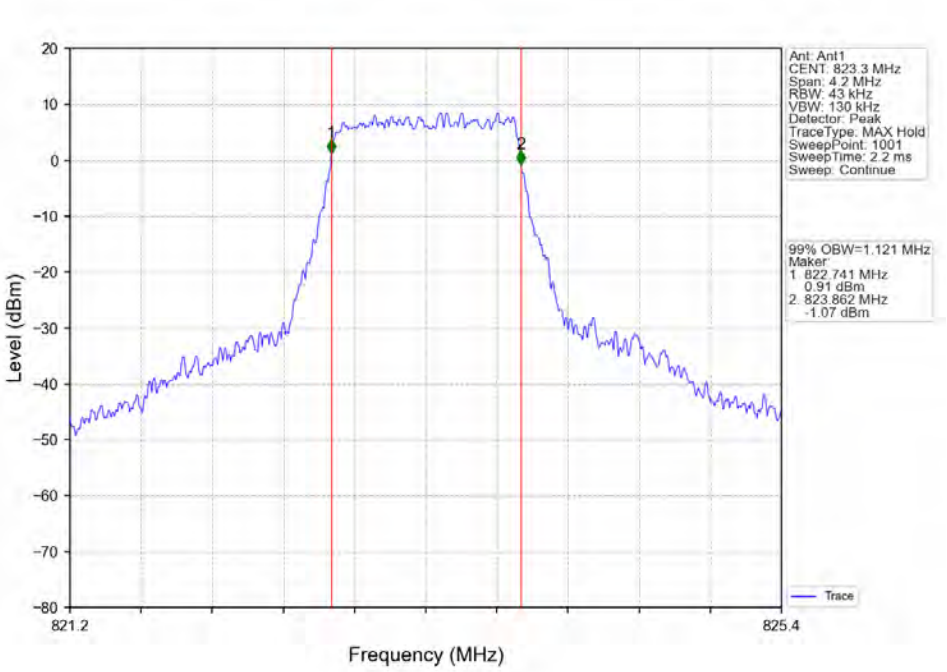


Band26a_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV



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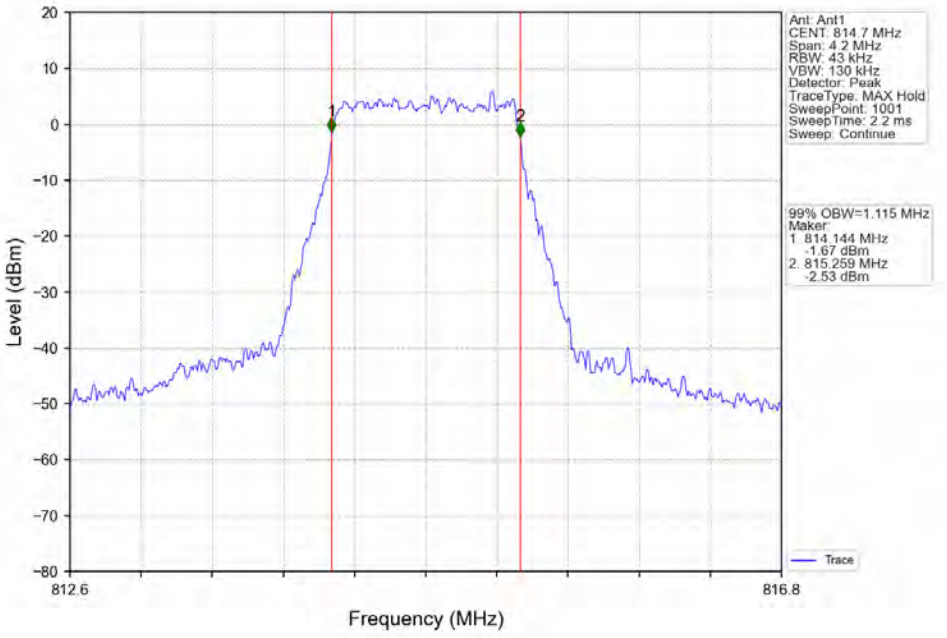

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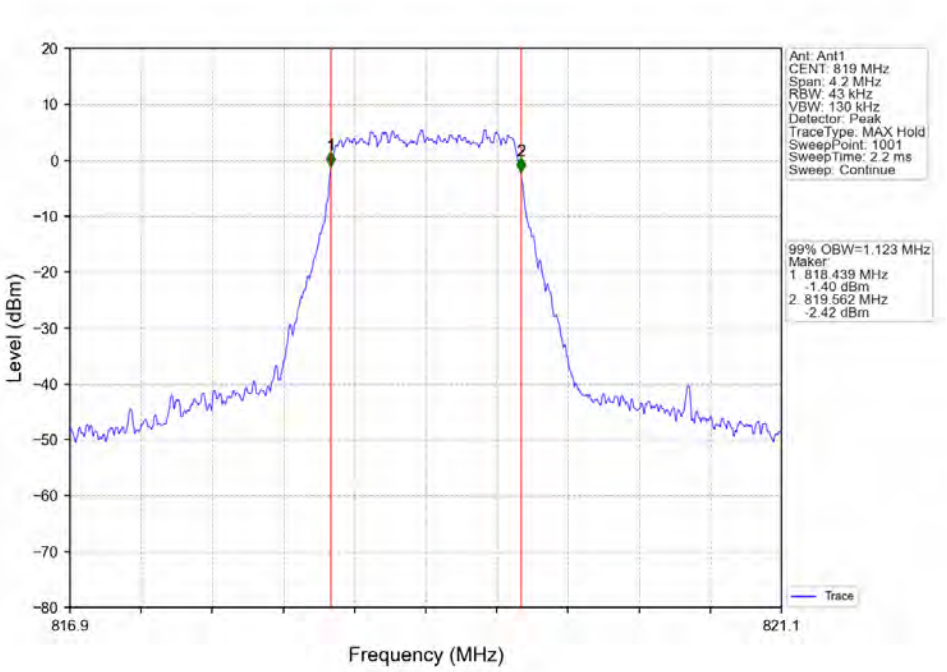

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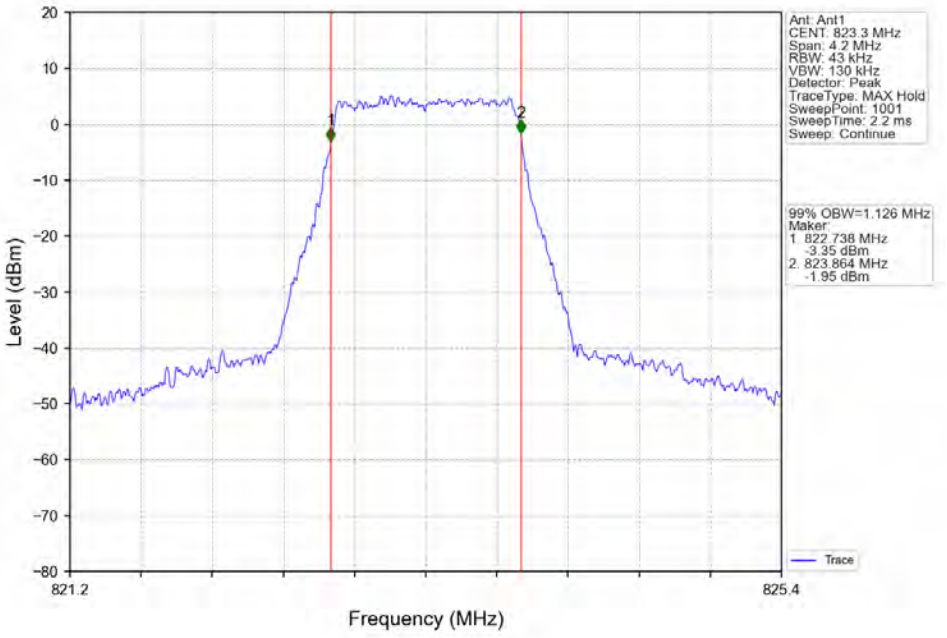
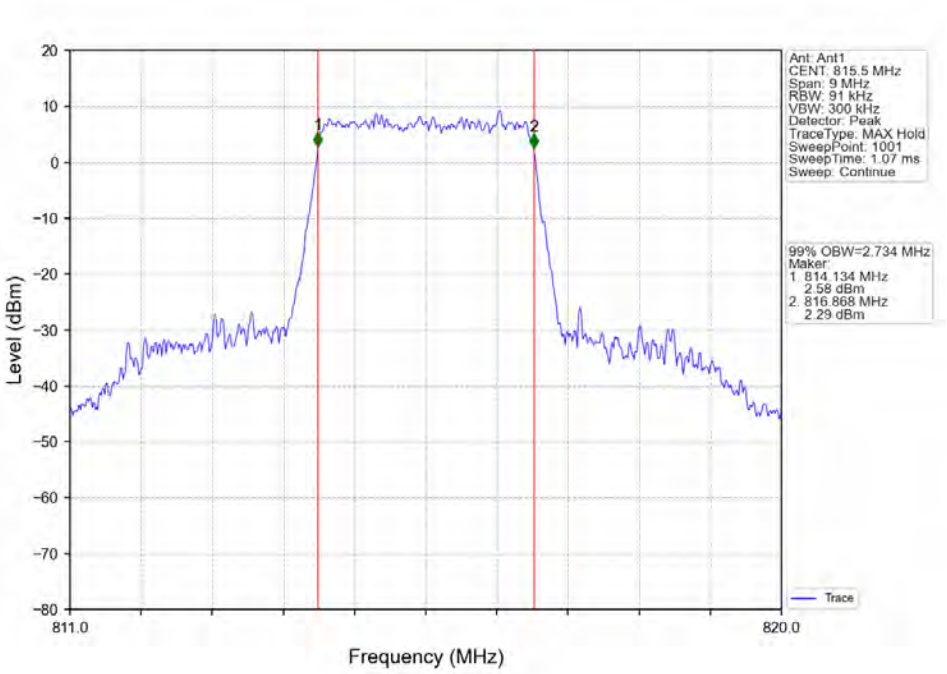
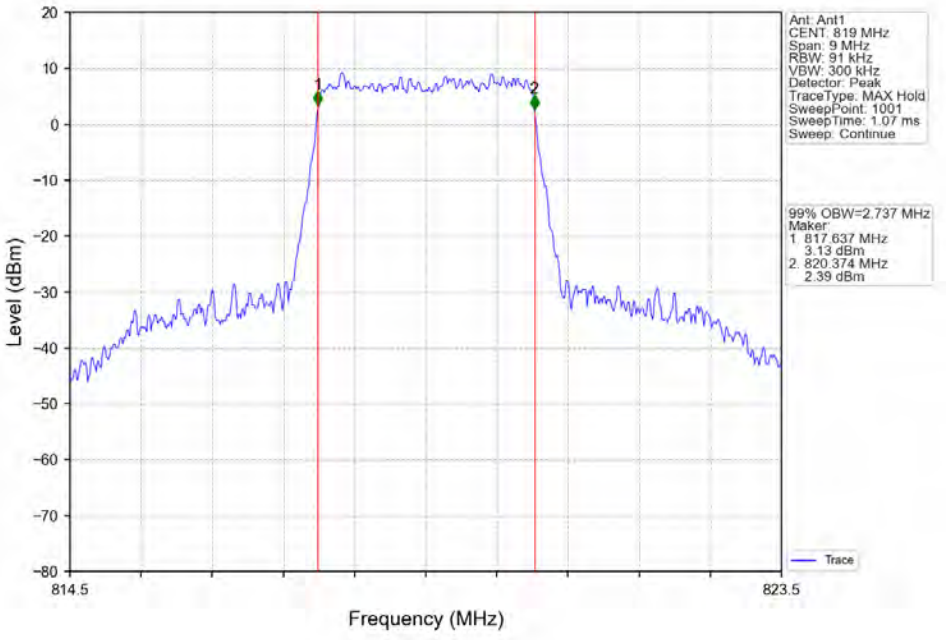


Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



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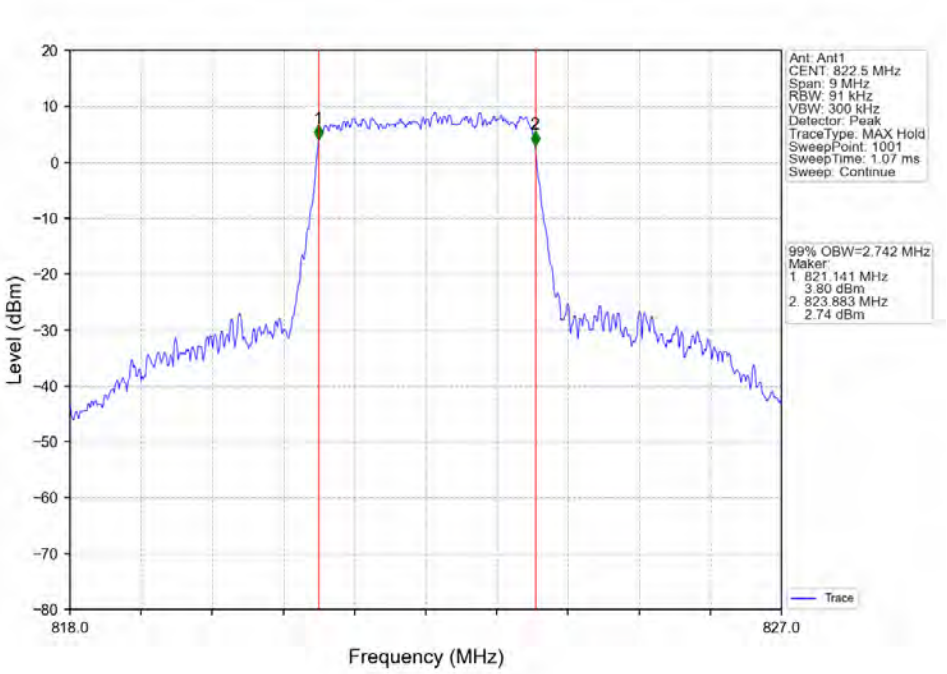

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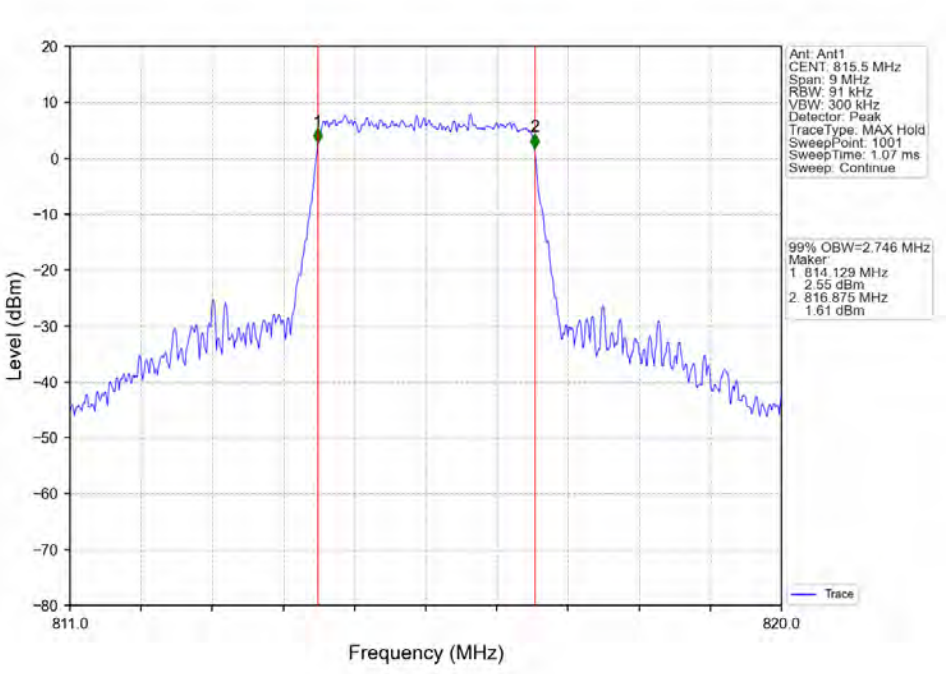

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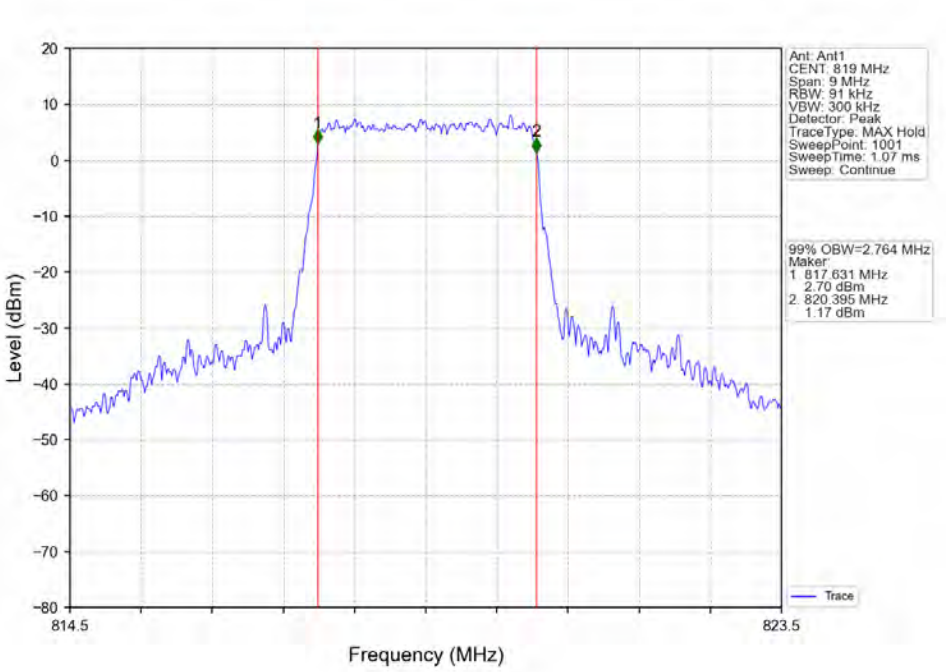

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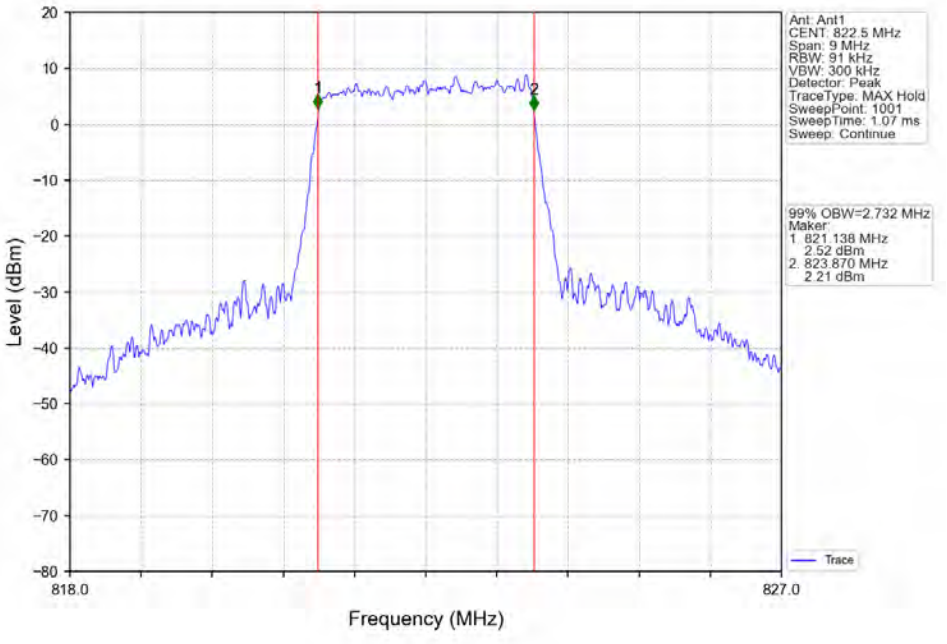
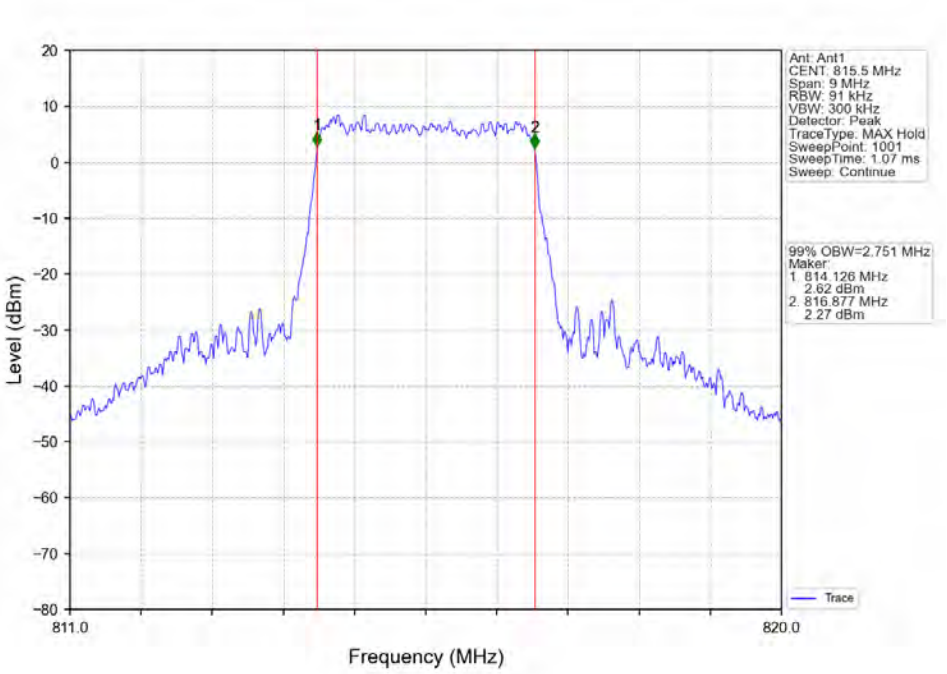
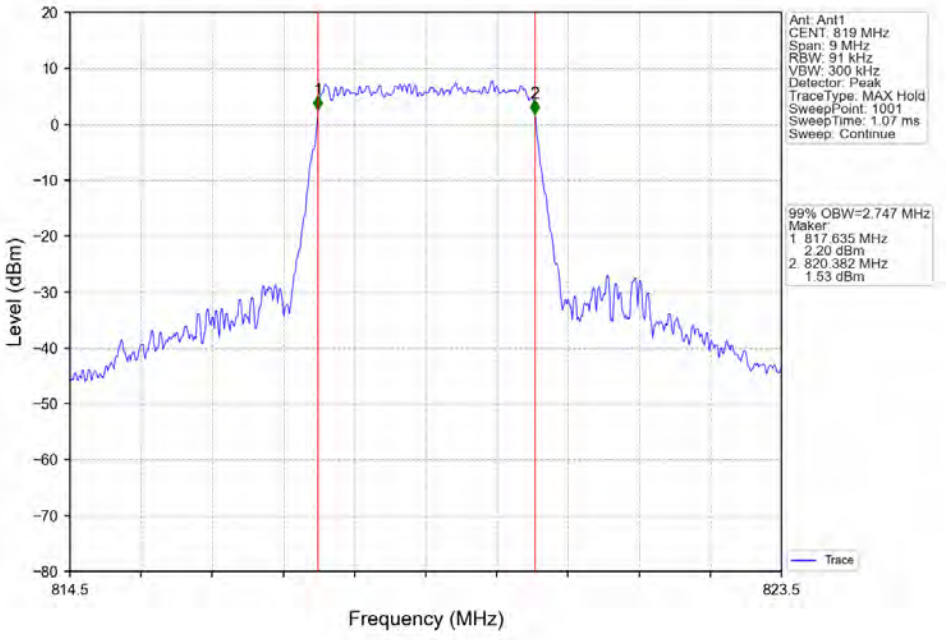
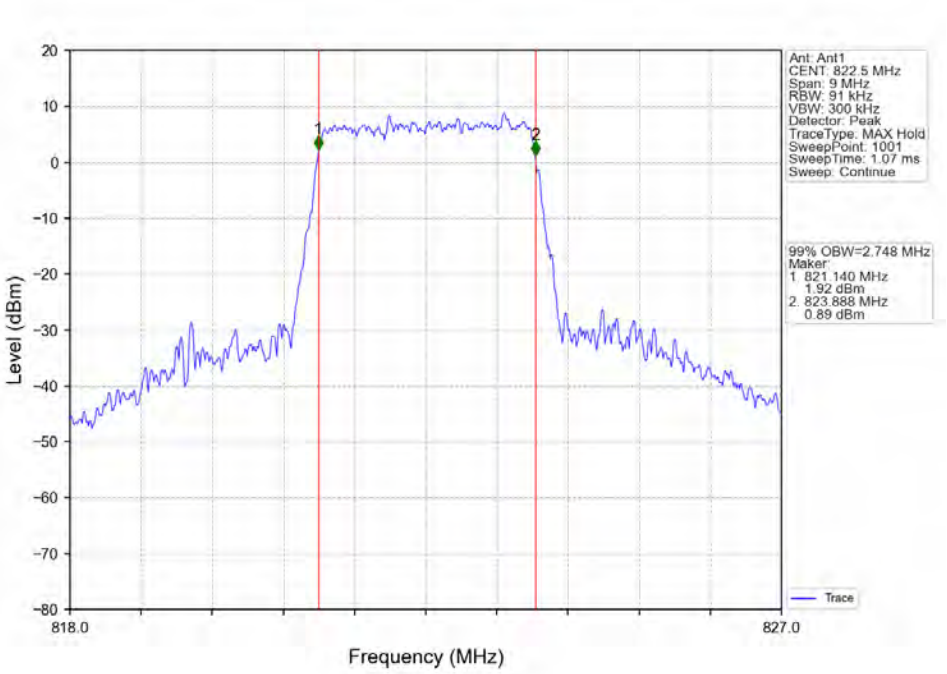


Band26a_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV


Band26a_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV


Band26a_3MHz_64QAM_HCH_822.5MHz_RB_15_0_NTNV


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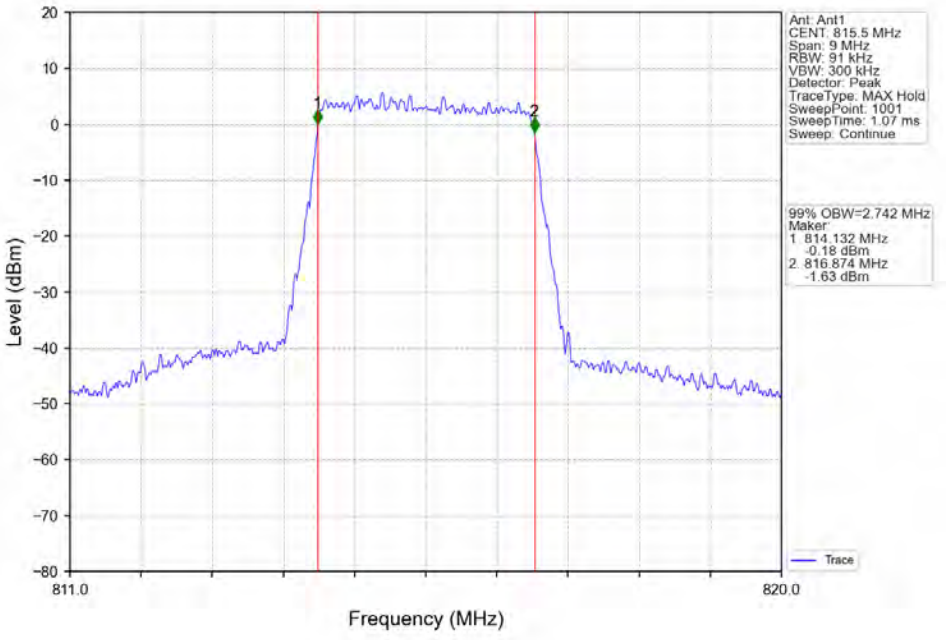

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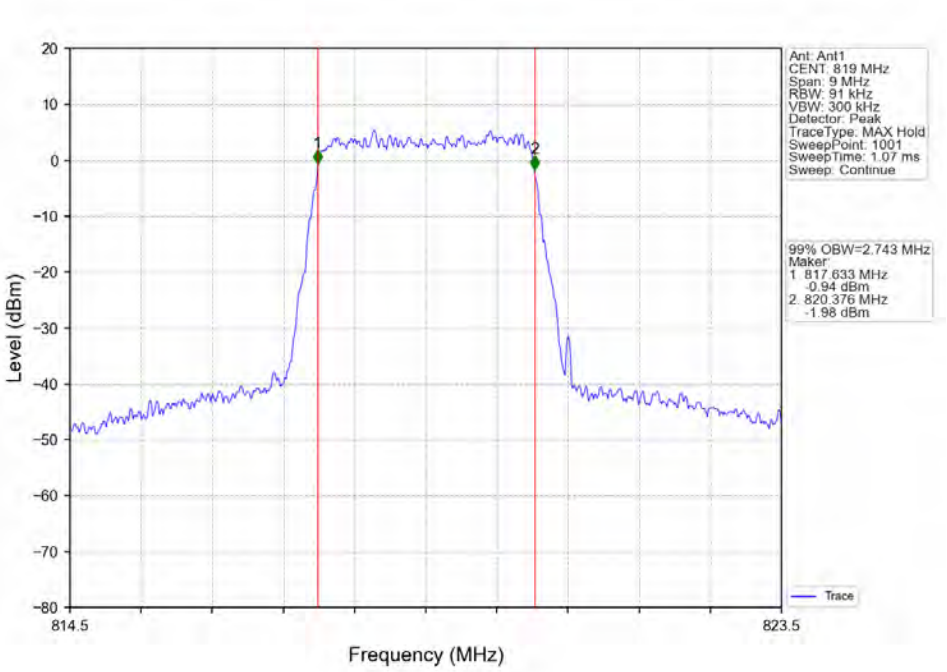
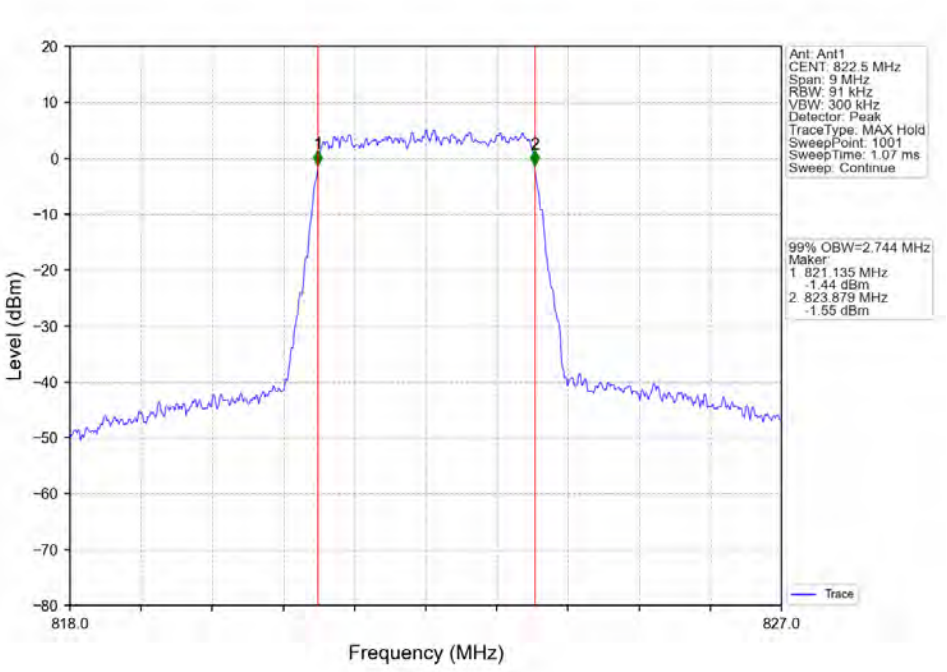
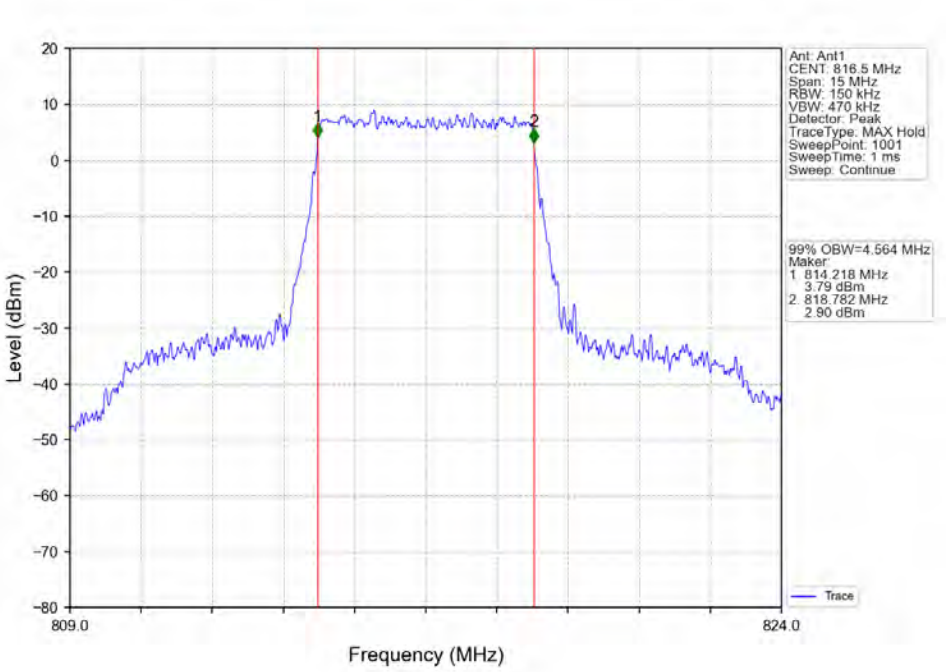
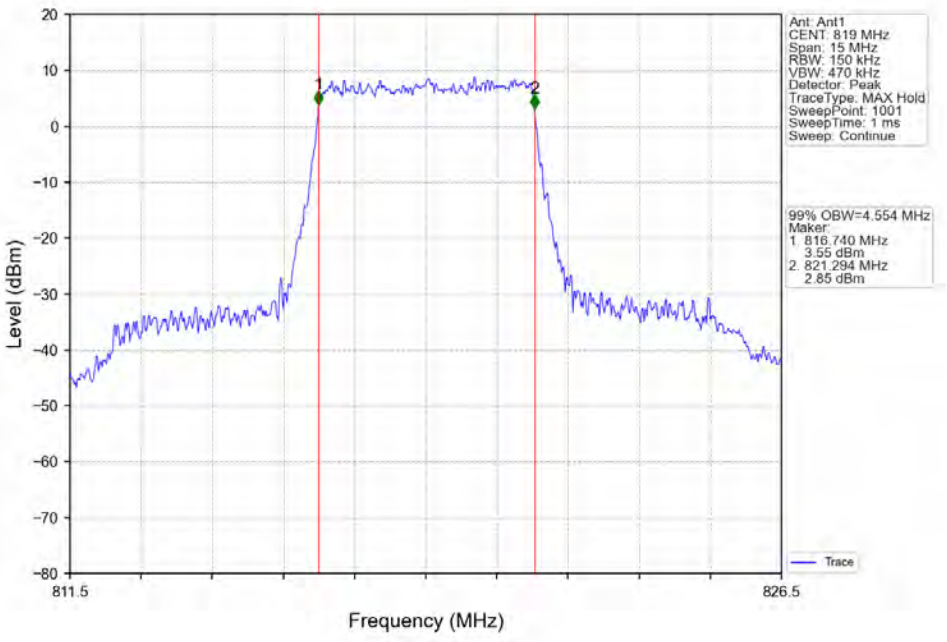

Band26a_3MHz_256QAM_HCH_822.5MHz_RB_15_0_NTNV


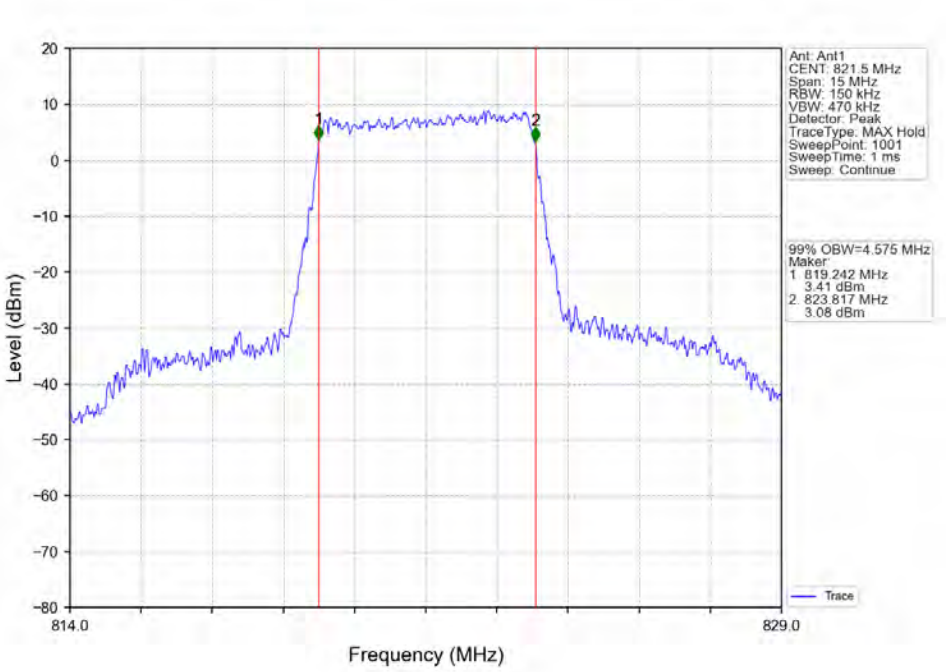
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



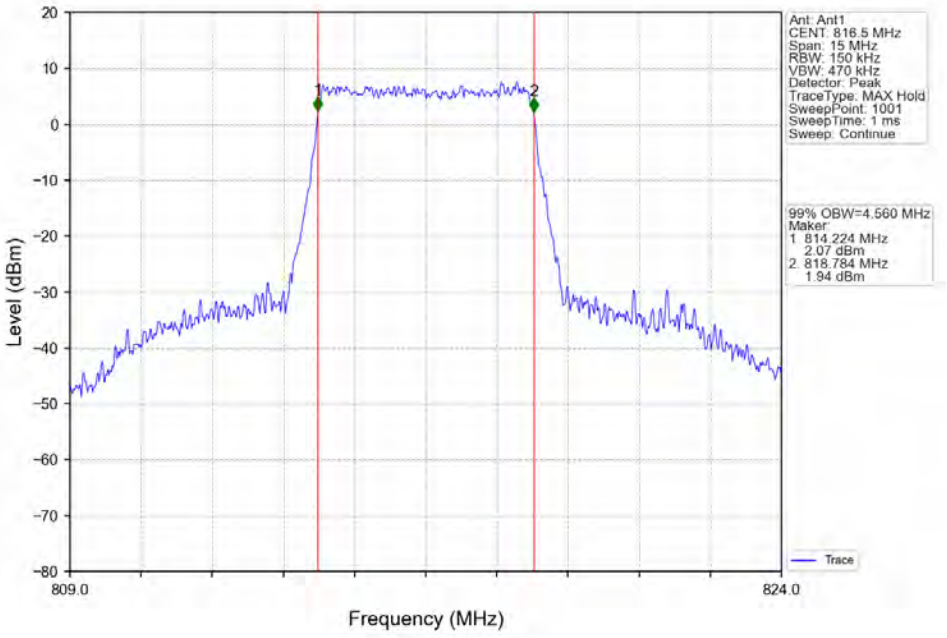
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV

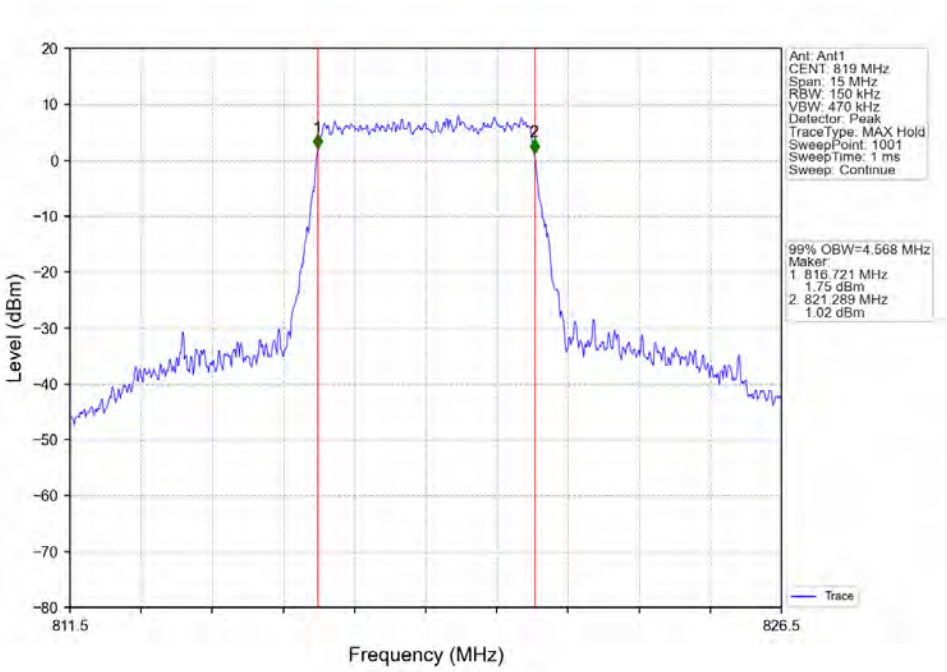
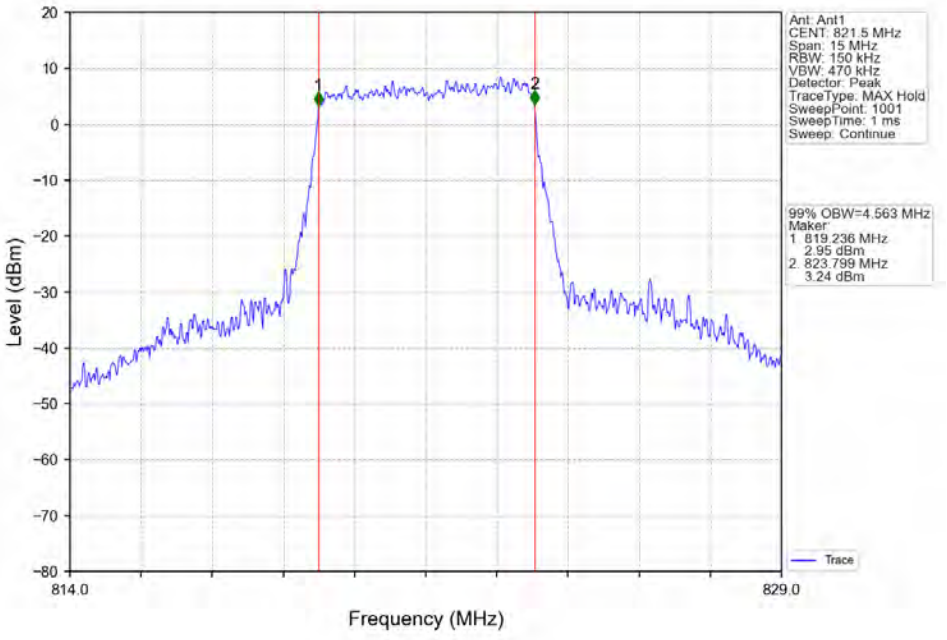


Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV

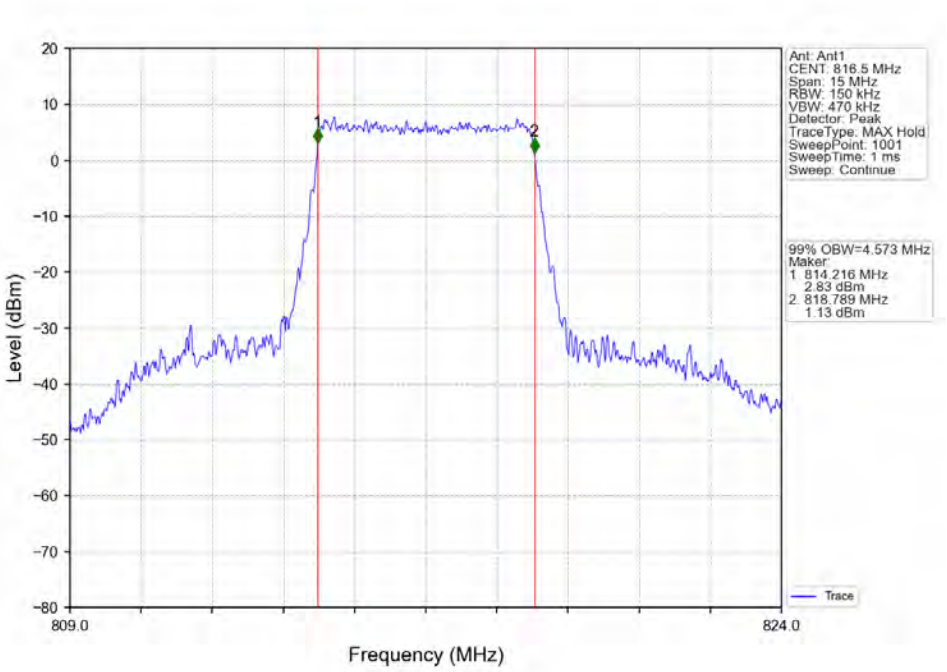


Band26a_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV

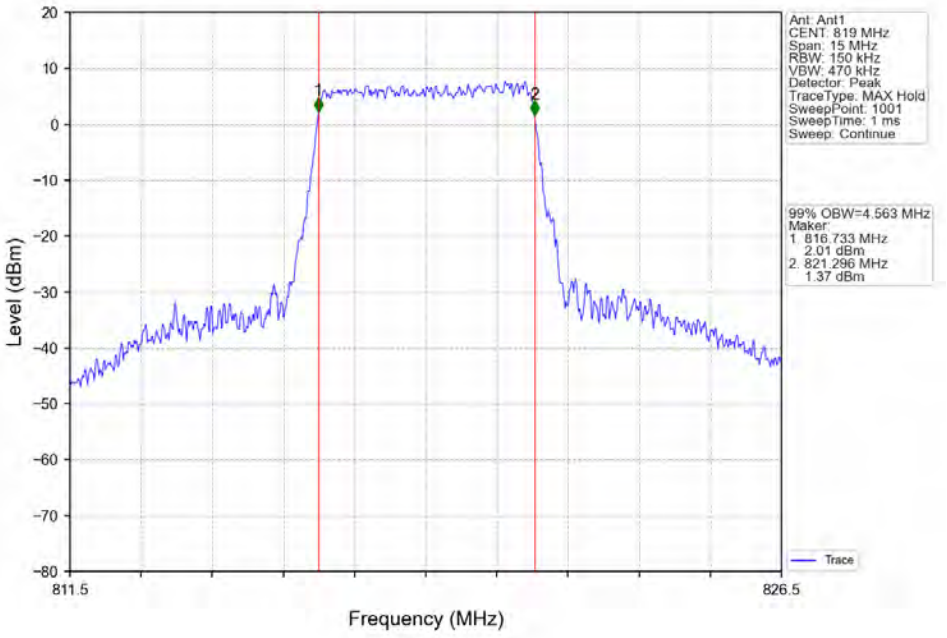


Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV

Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV


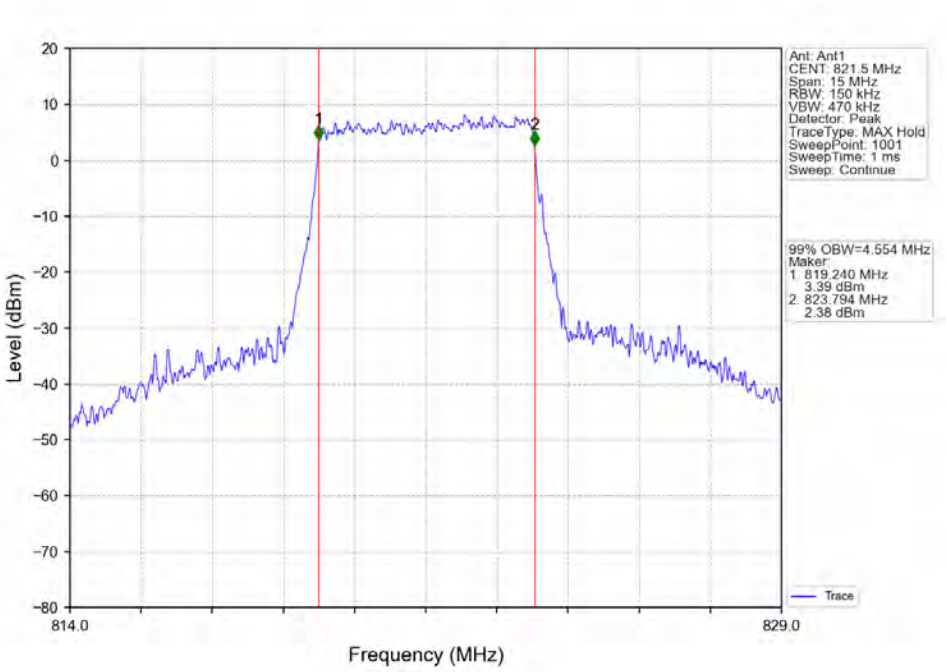
Band26a_5MHz_64QAM_LCH_816.5MHz_RB_25_0_NTNV



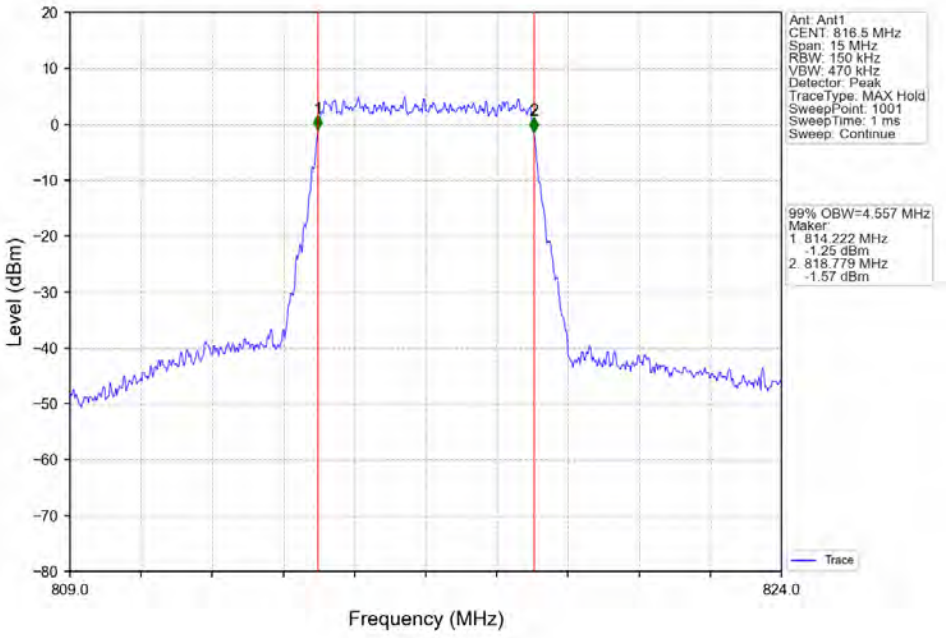
Band26a_5MHz_64QAM_MCH_819MHz_RB_25_0_NTNV



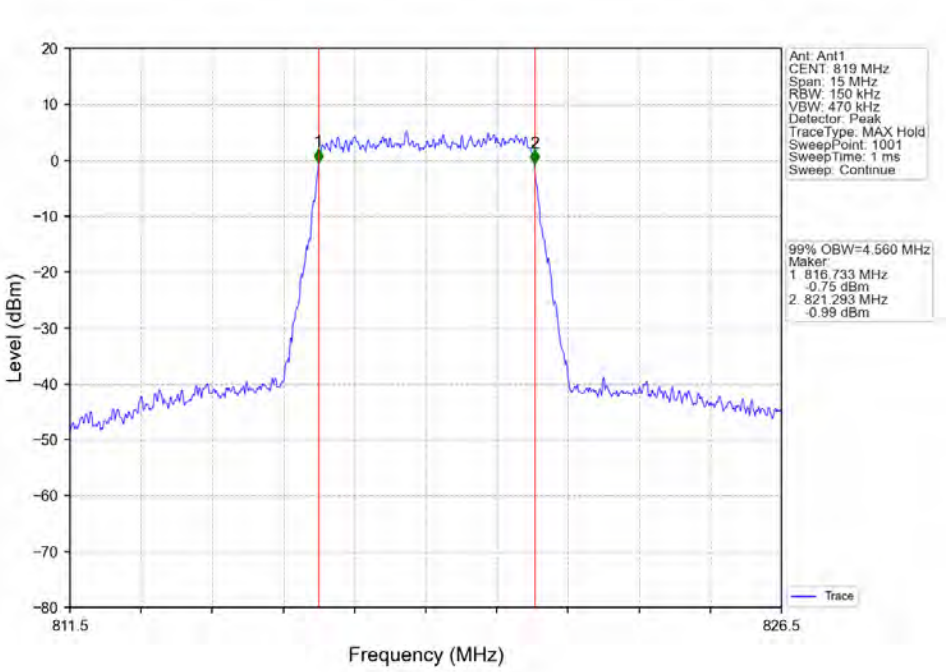
Band26a_5MHz_64QAM_HCH_821.5MHz_RB_25_0_NTNV



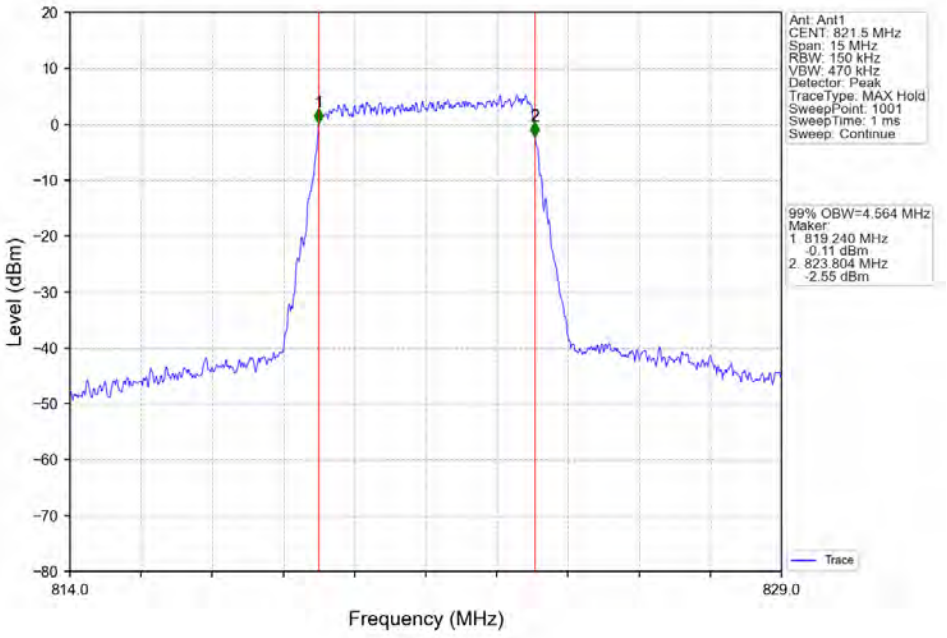
Band26a_5MHz_256QAM_LCH_816.5MHz_RB_25_0_NTNV

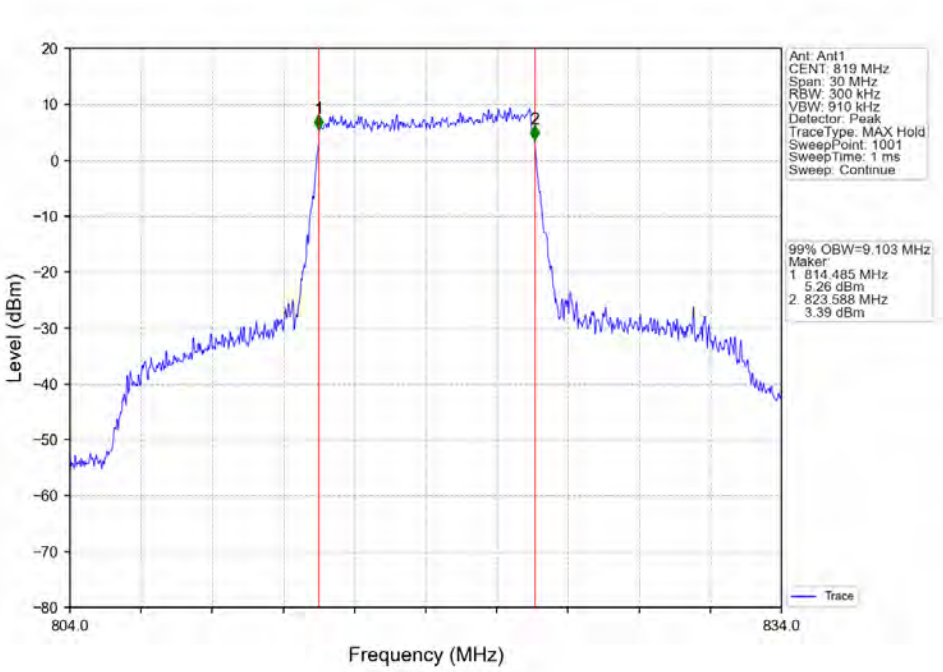
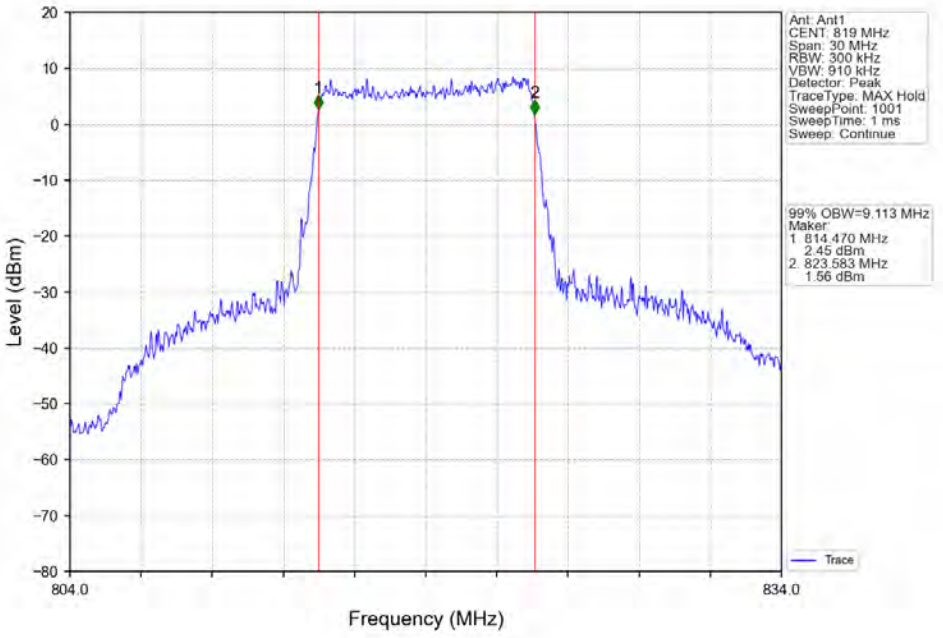


Band26a_5MHz_256QAM_MCH_819MHz_RB_25_0_NTNV

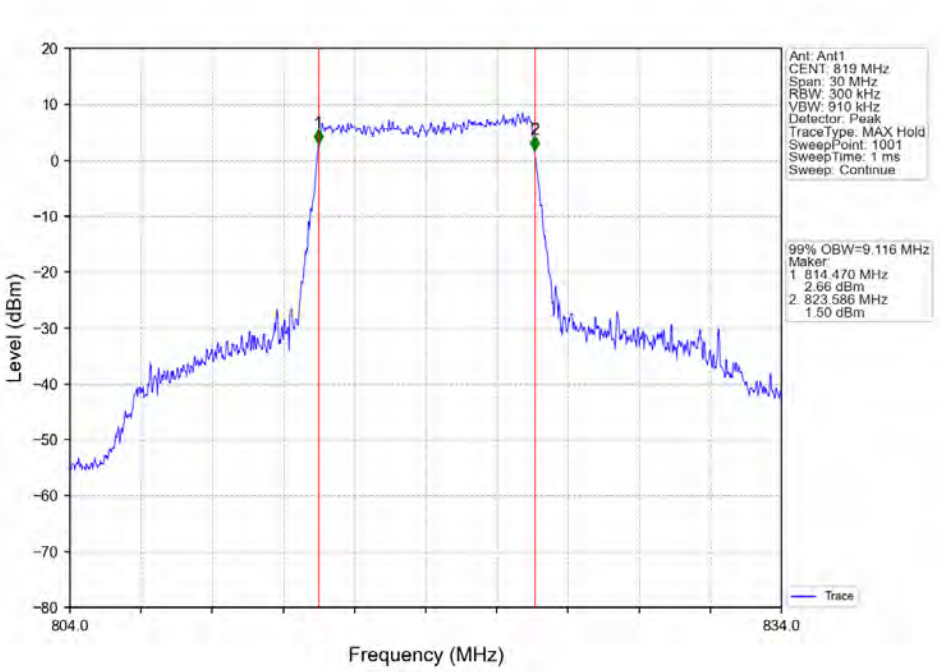


Band26a_5MHz_256QAM_HCH_821.5MHz_RB_25_0_NTNV

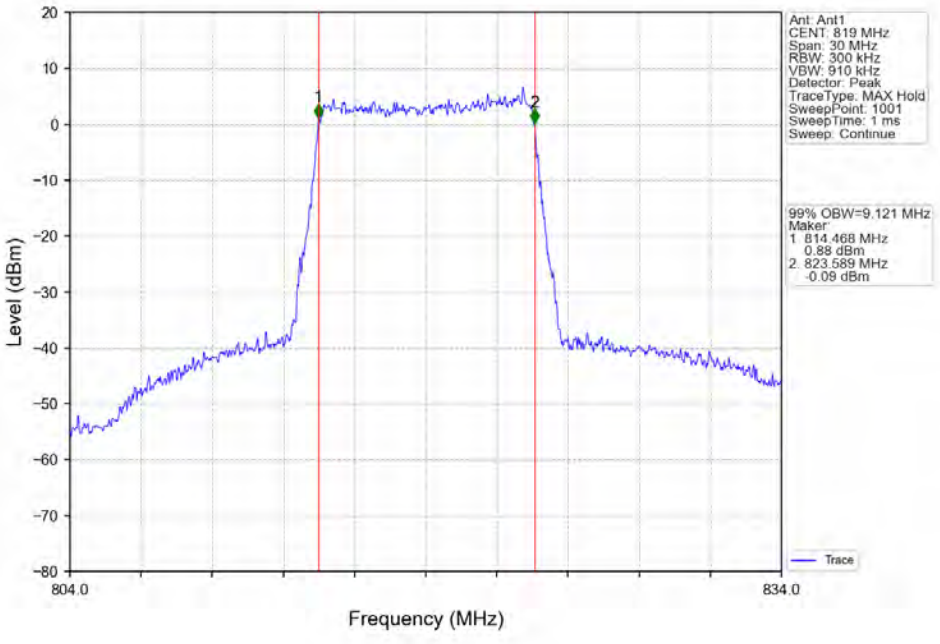


Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV

Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV


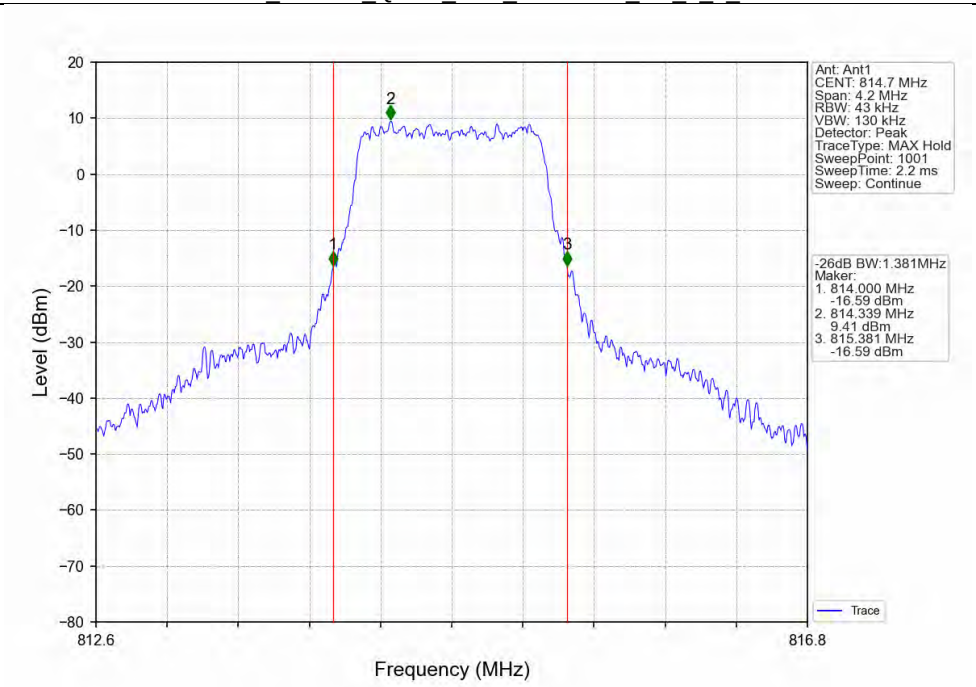
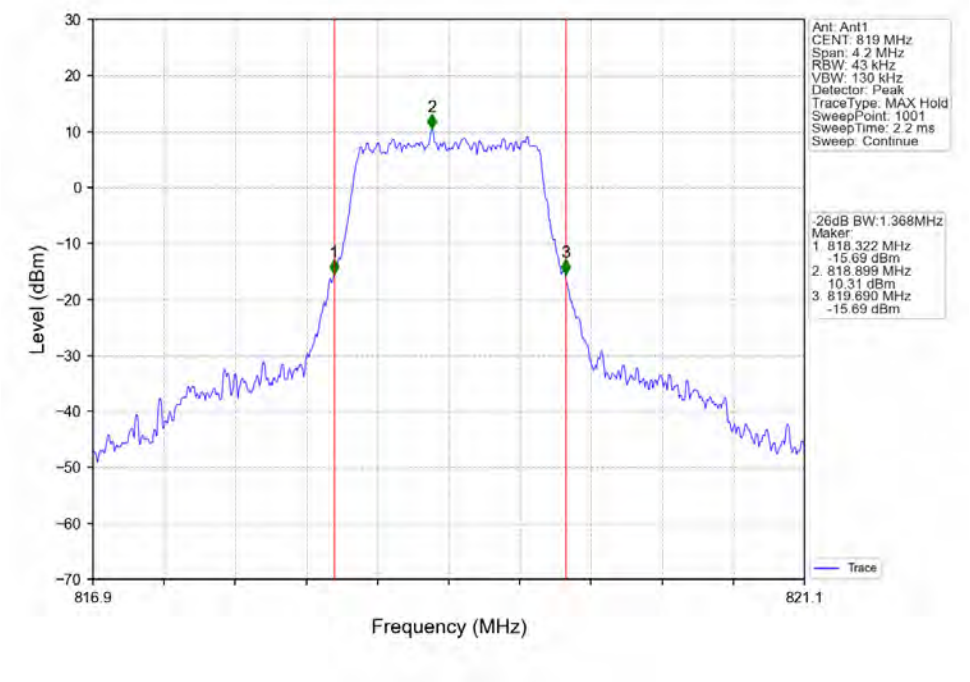
Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV

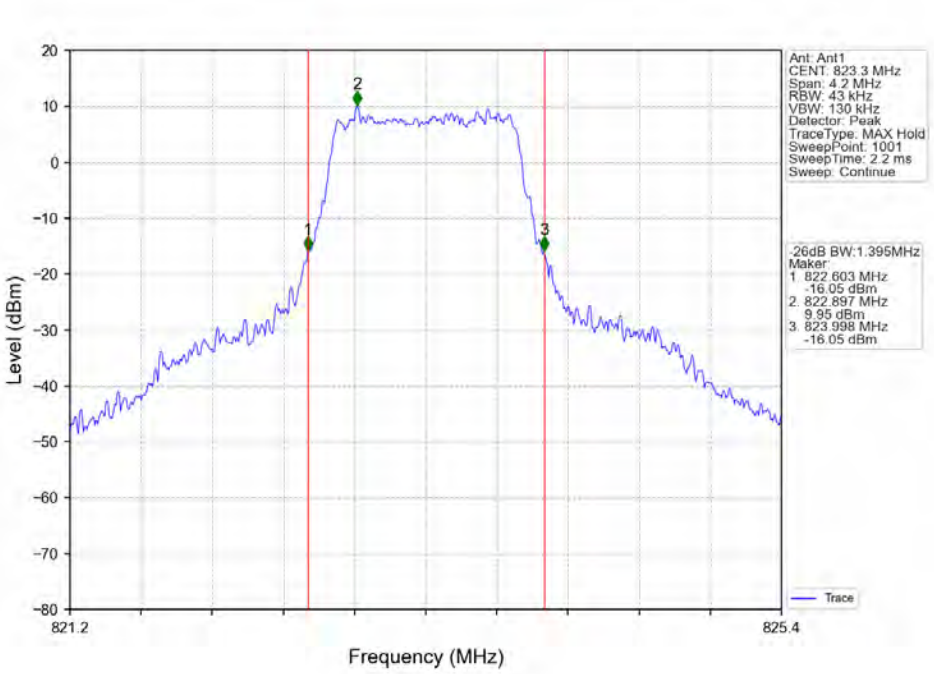


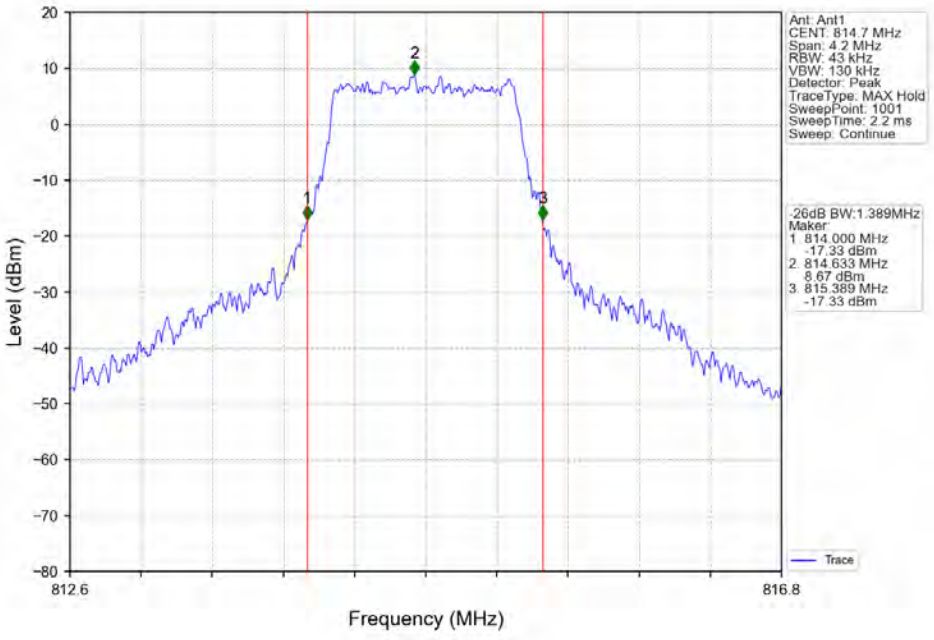
Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV

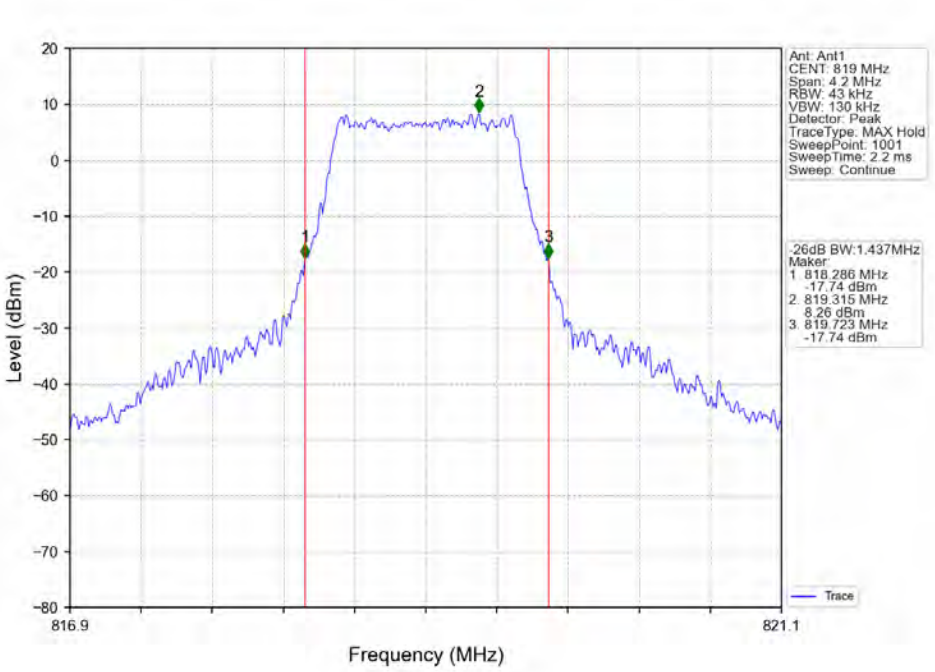


3.2.2 Band26a_XDB

Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV


Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV


Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV


Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV

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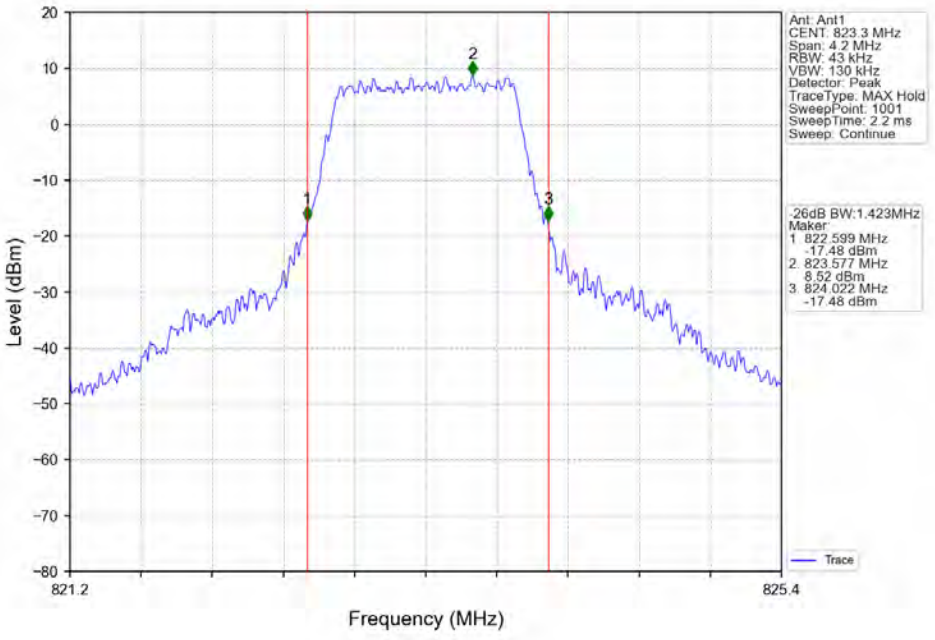
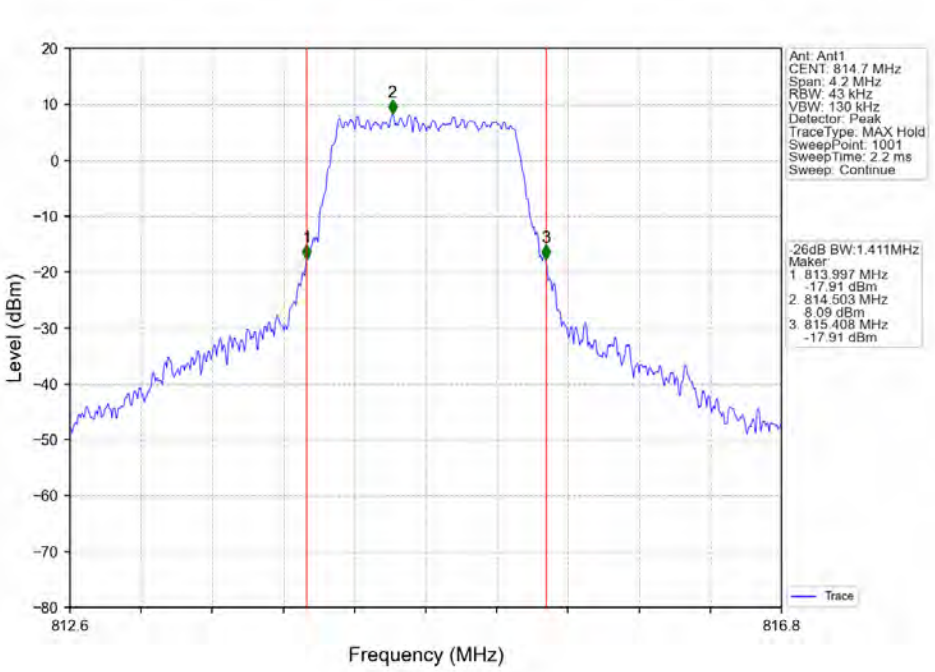
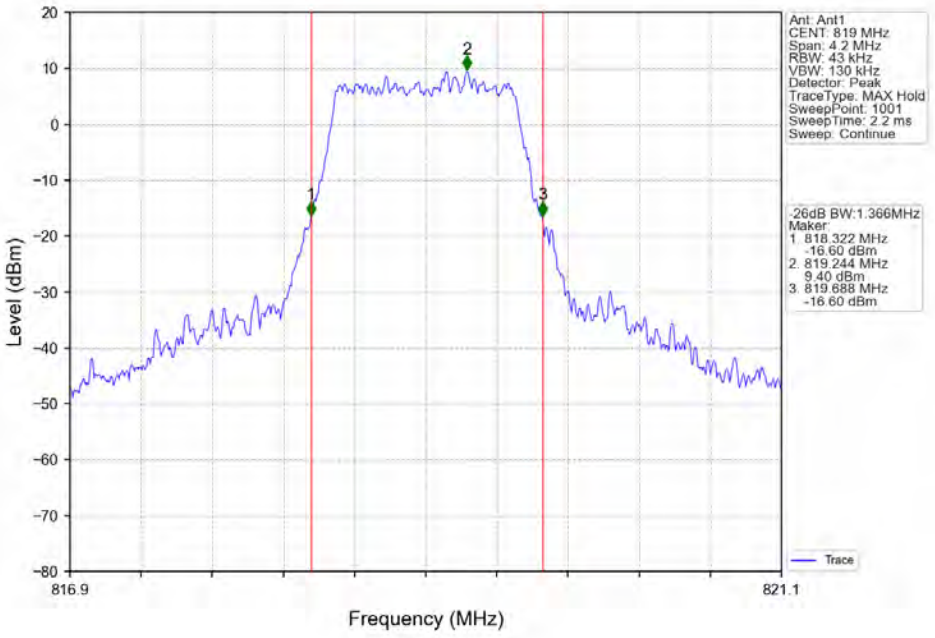
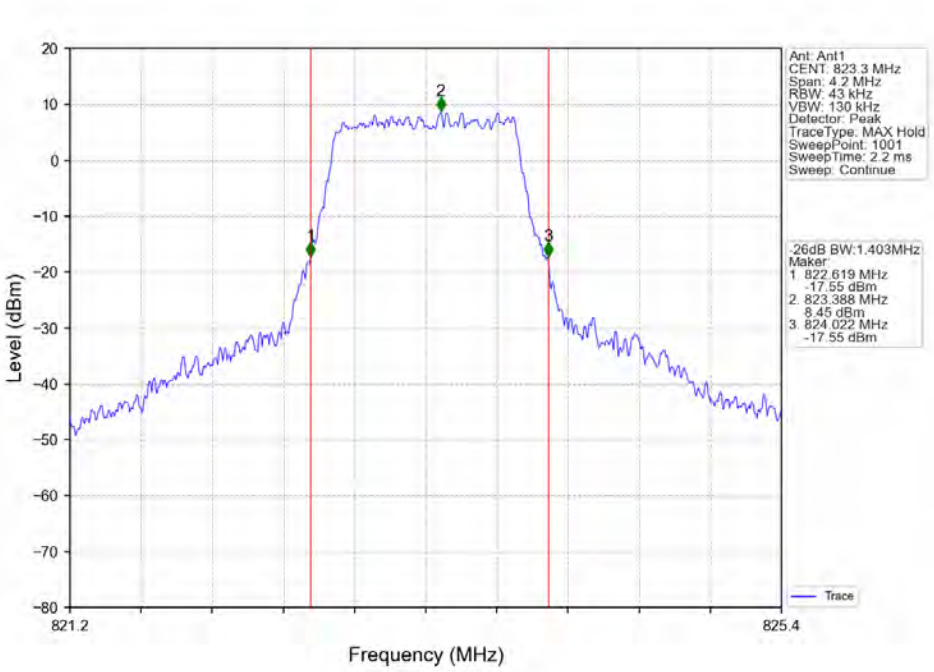
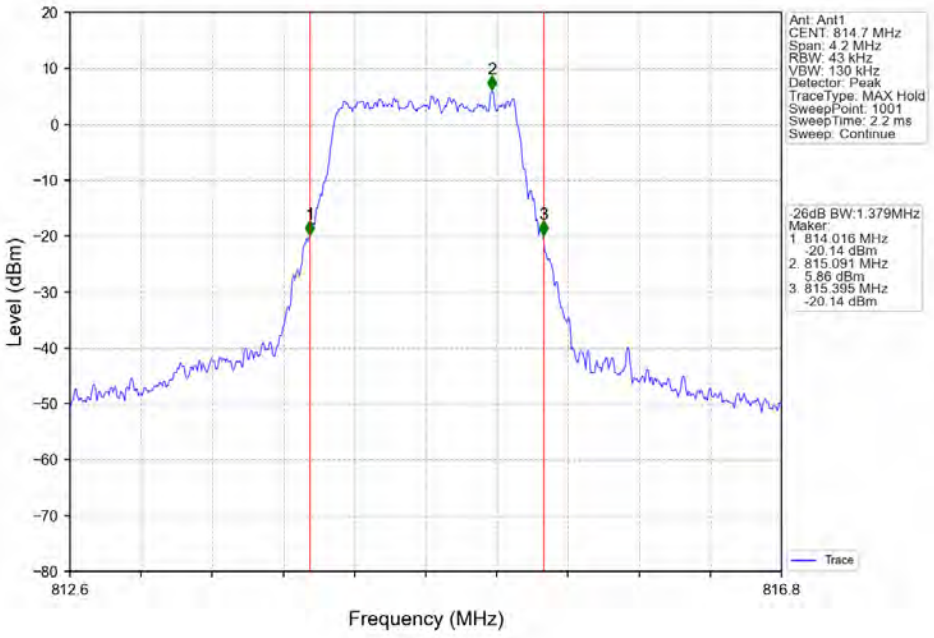


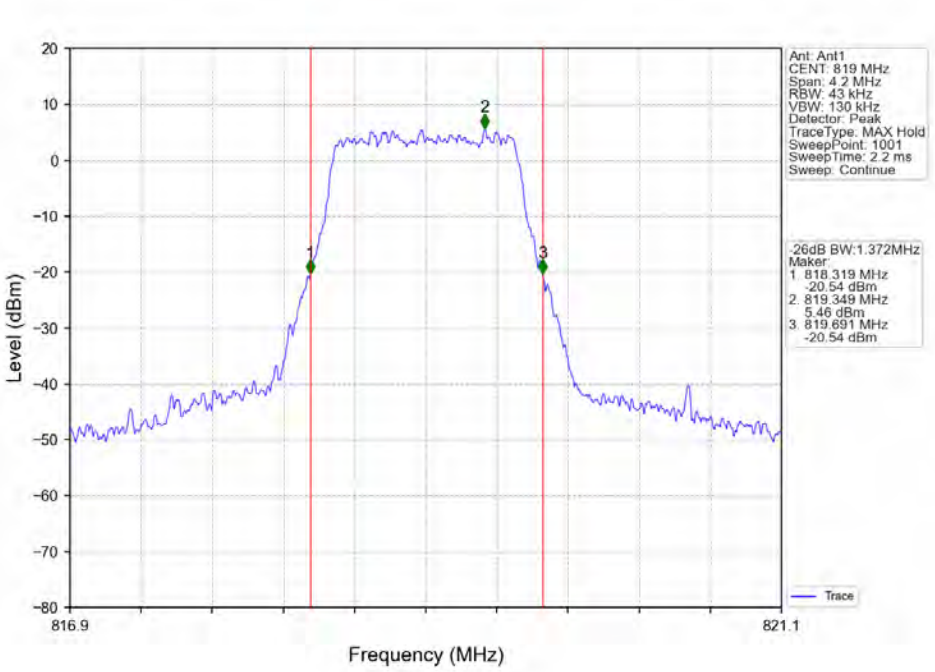
Band26a_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV

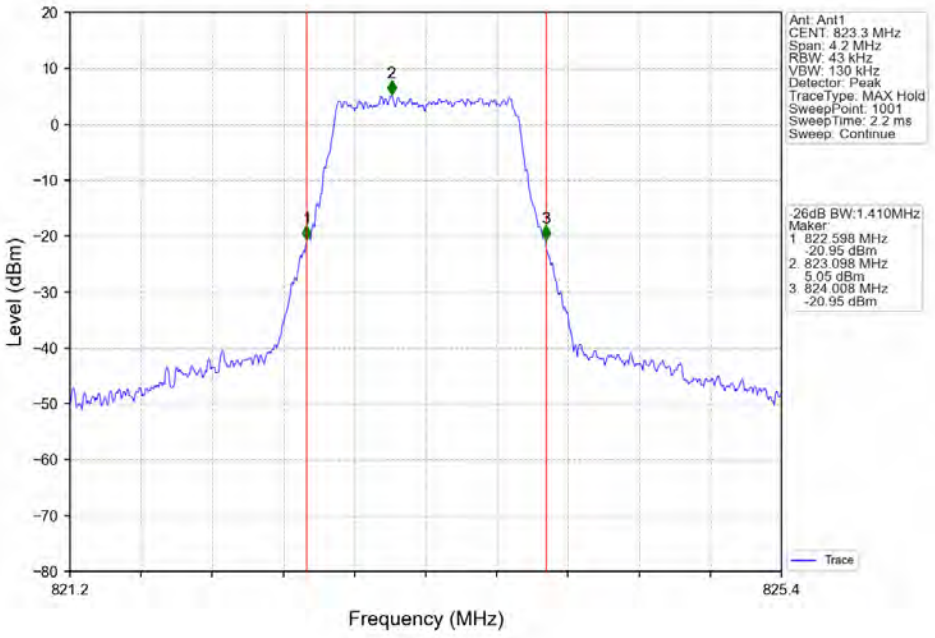


Band26a_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV

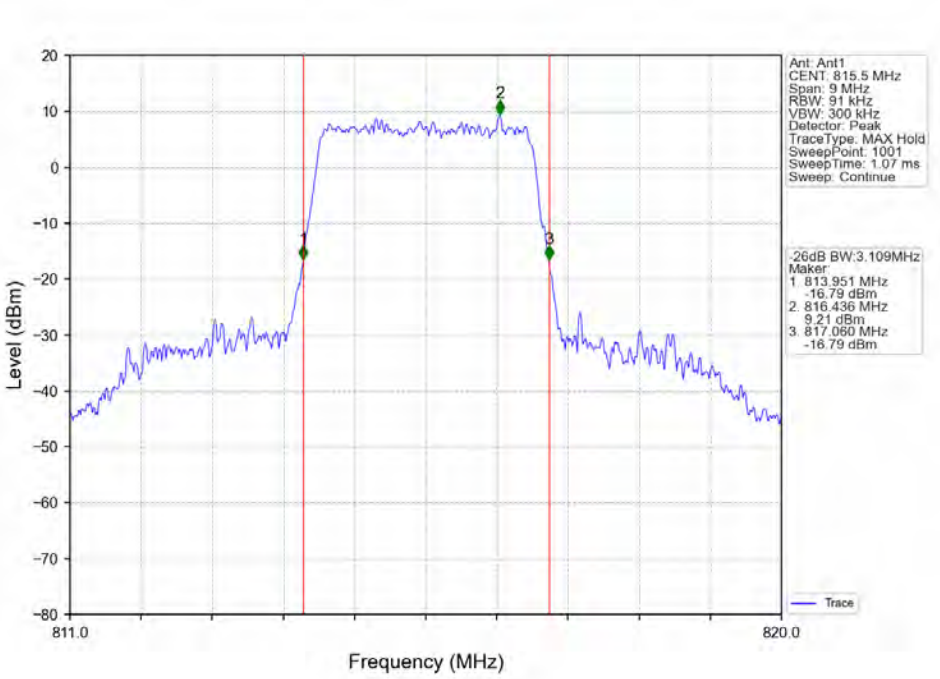


Band26a_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV

Band26a_1.4MHz_256QAM_LCH_814.7MHz_RB_6_0_NTNV


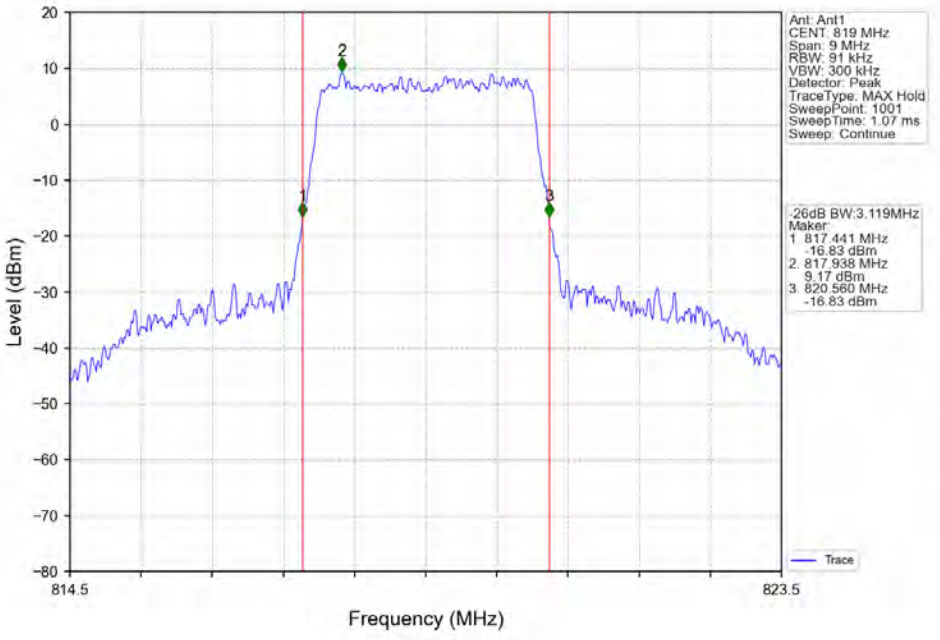
Band26a_1.4MHz_256QAM_MCH_819MHz_RB_6_0_NTNV


Band26a_1.4MHz_256QAM_HCH_823.3MHz_RB_6_0_NTNV


Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



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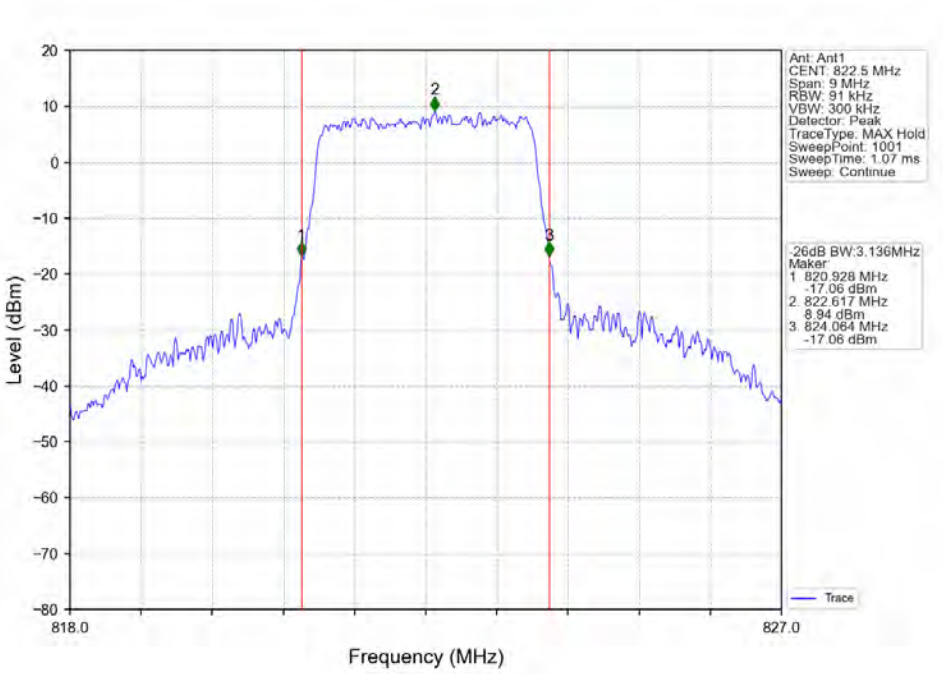
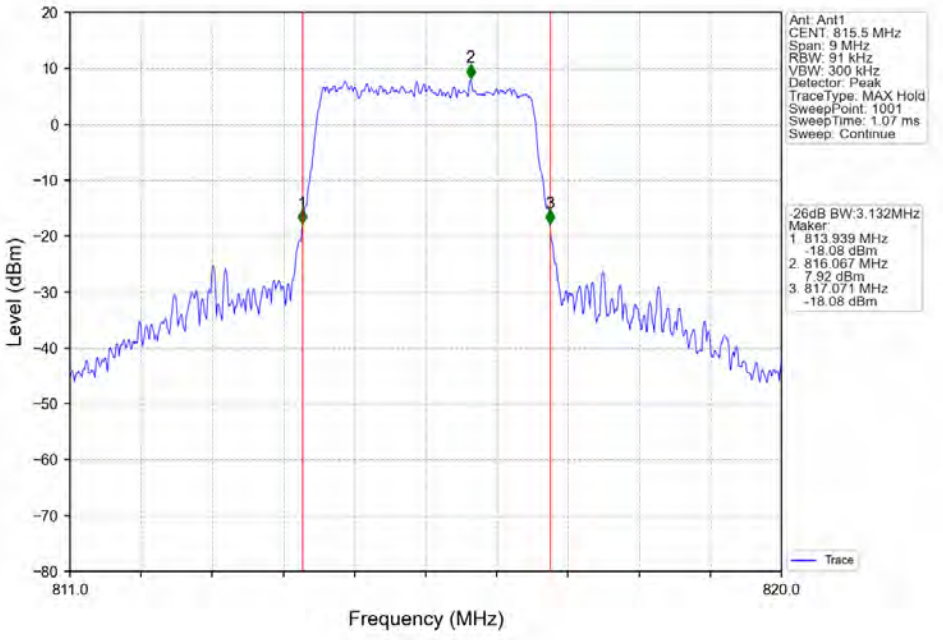
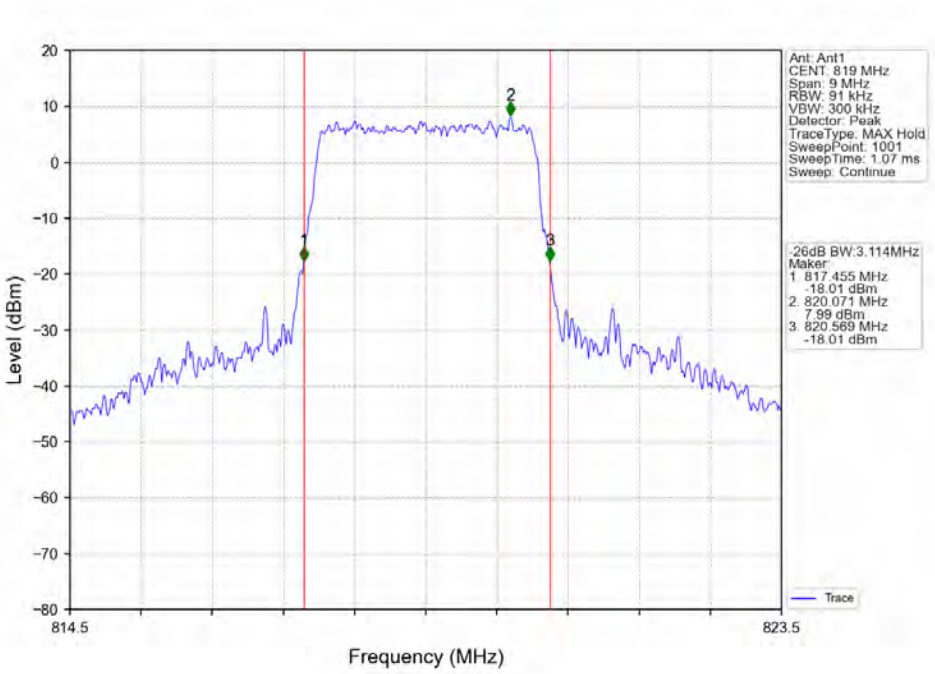
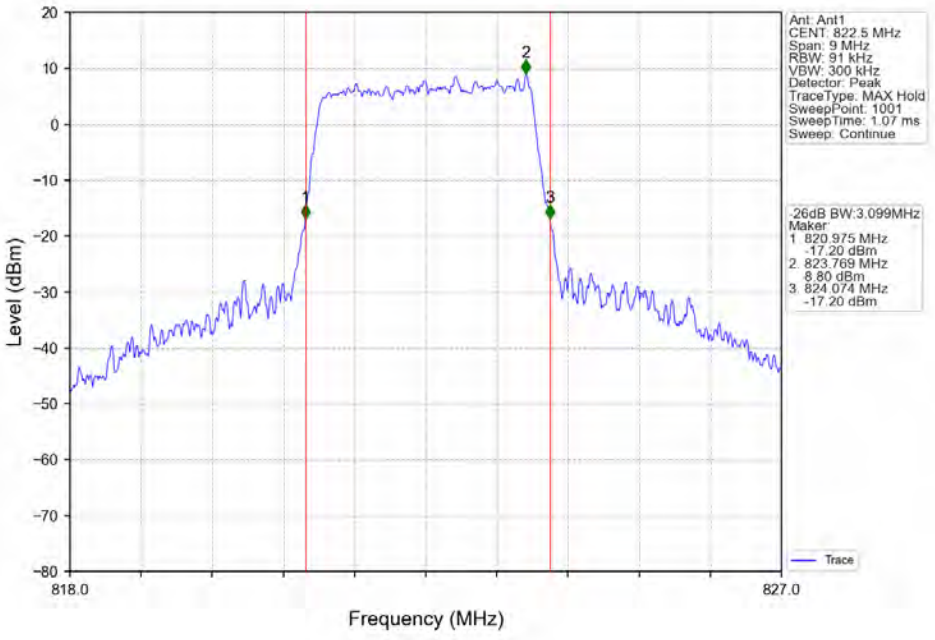


Band26a_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV


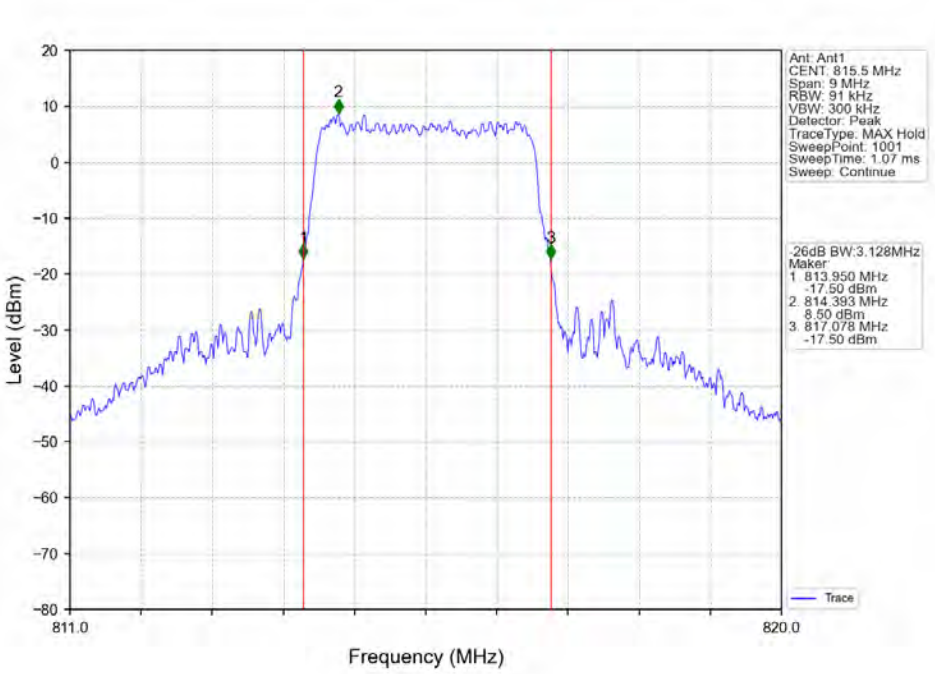
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



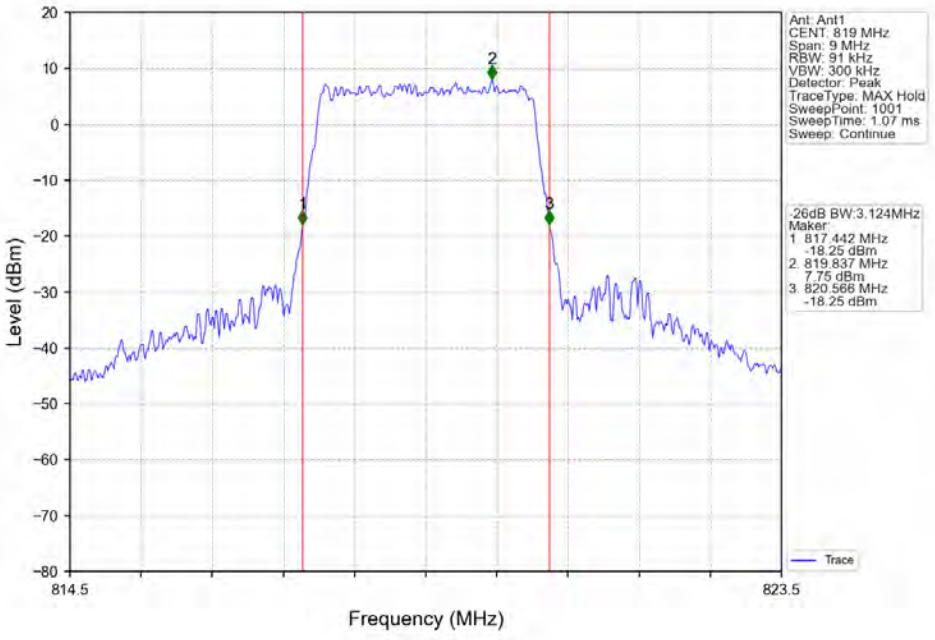
Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV



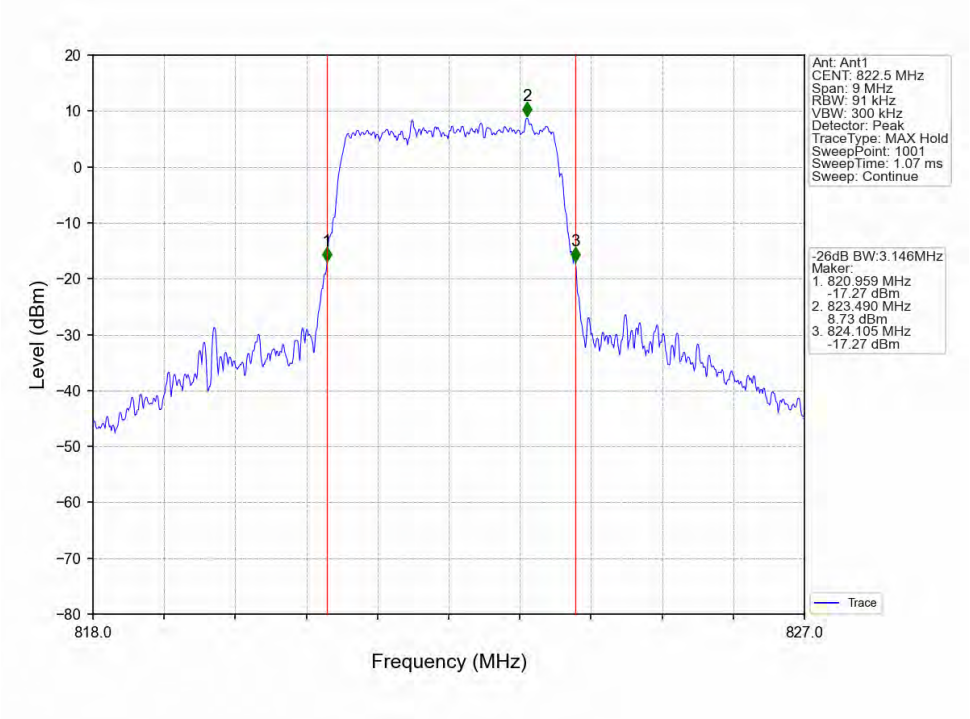
Band26a_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV



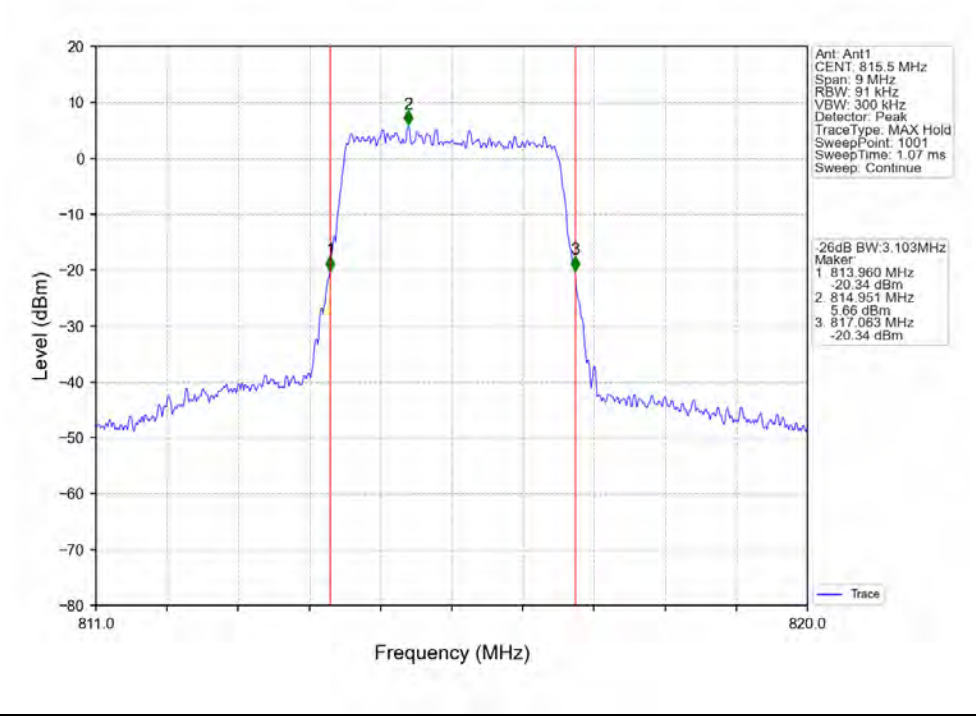
Band26a_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV



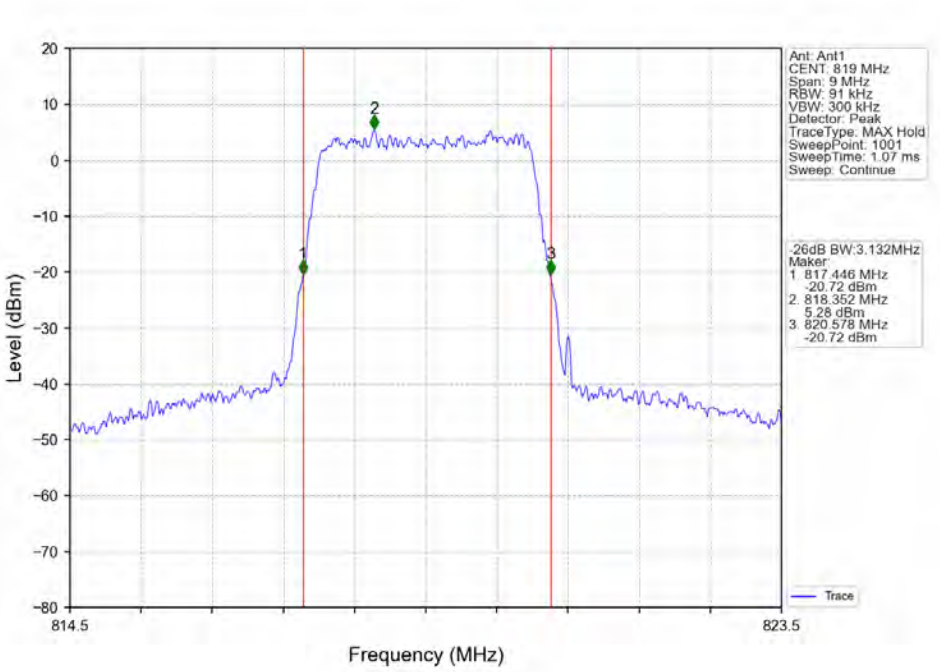
Band26a_3MHz_64QAM_HCH_822.5MHz_RB_15_0_NTNV



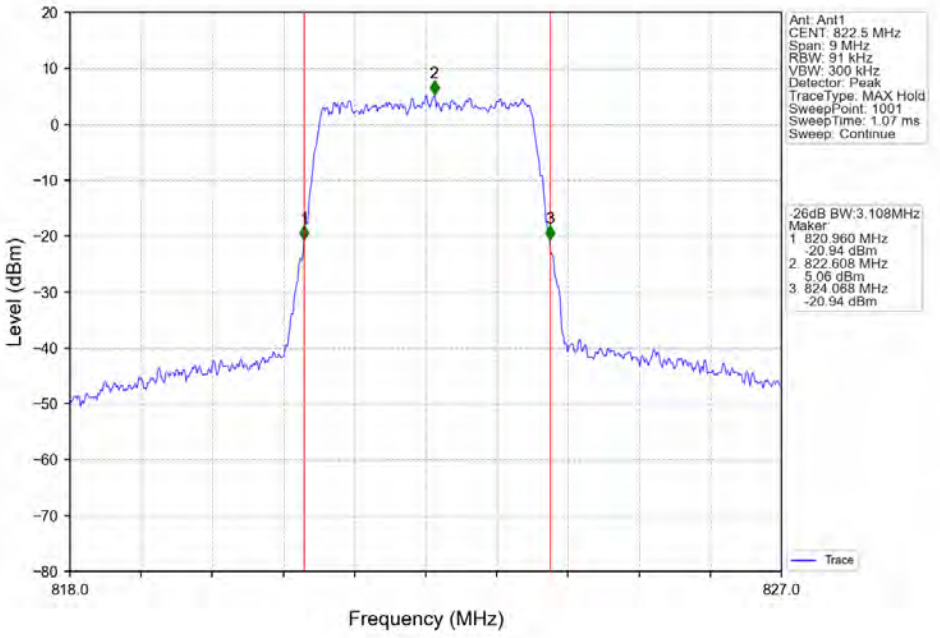
Band26a_3MHz_256QAM_LCH_815.5MHz_RB_15_0_NTNV



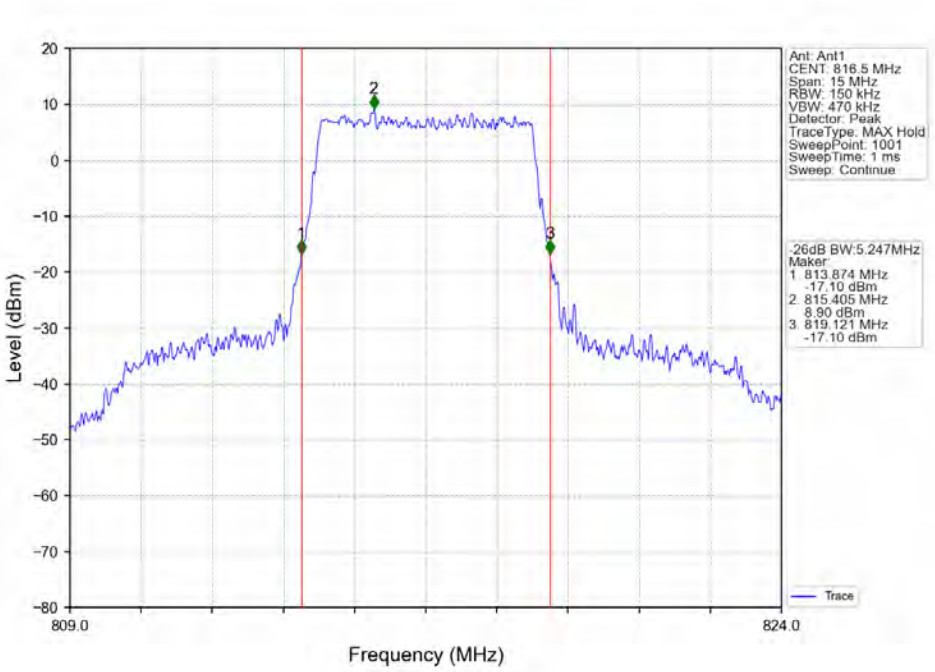
Band26a_3MHz_256QAM_MCH_819MHz_RB_15_0_NTNV



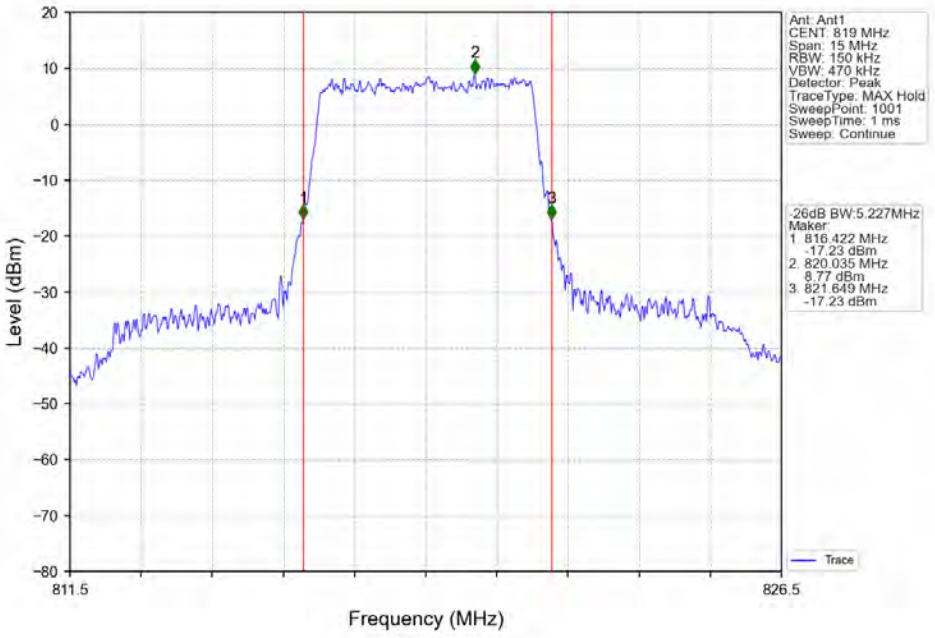
Band26a_3MHz_256QAM_HCH_822.5MHz_RB_15_0_NTNV



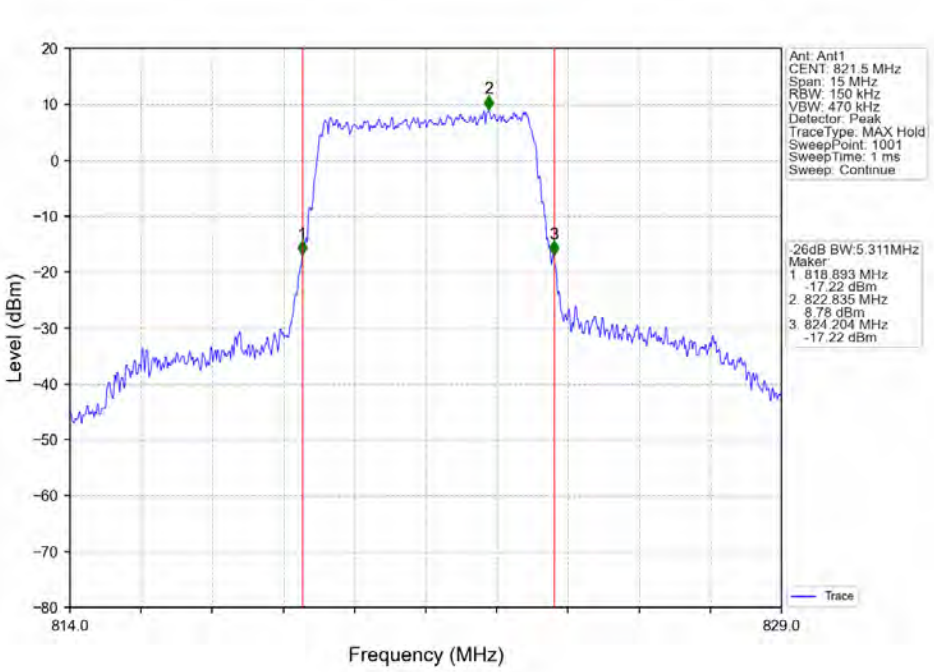
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



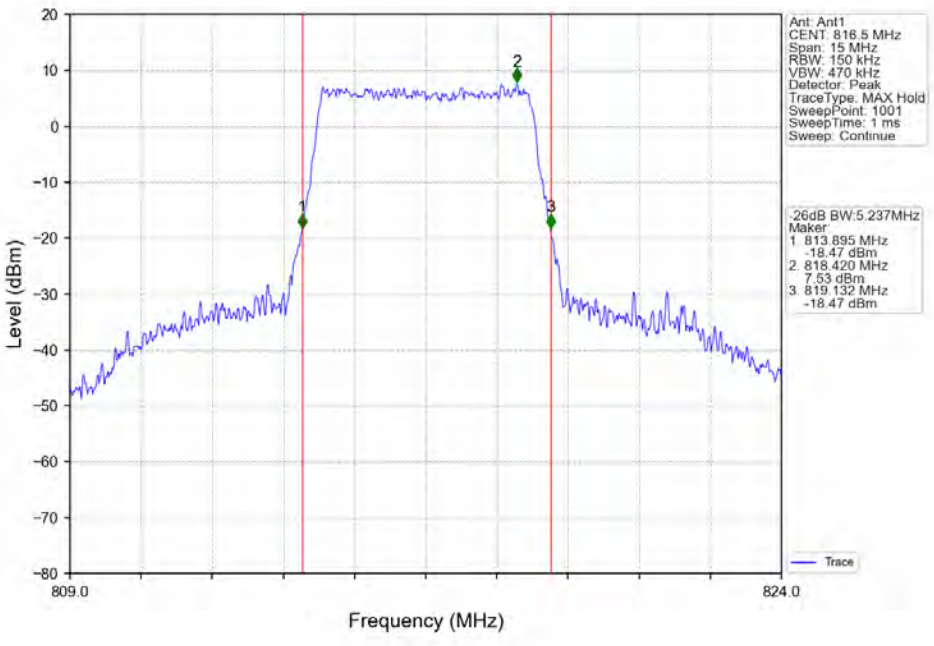
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV

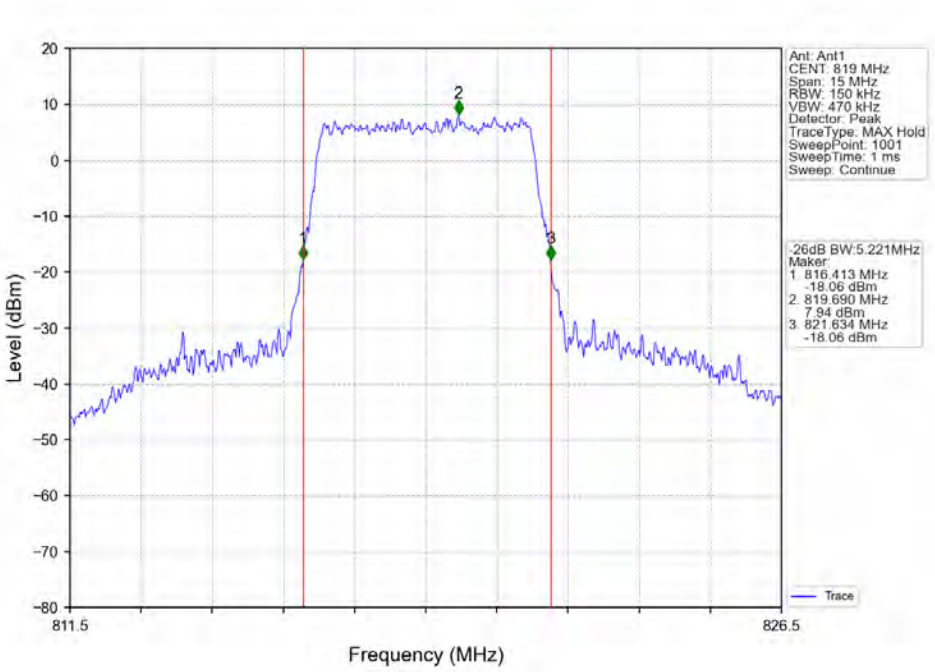
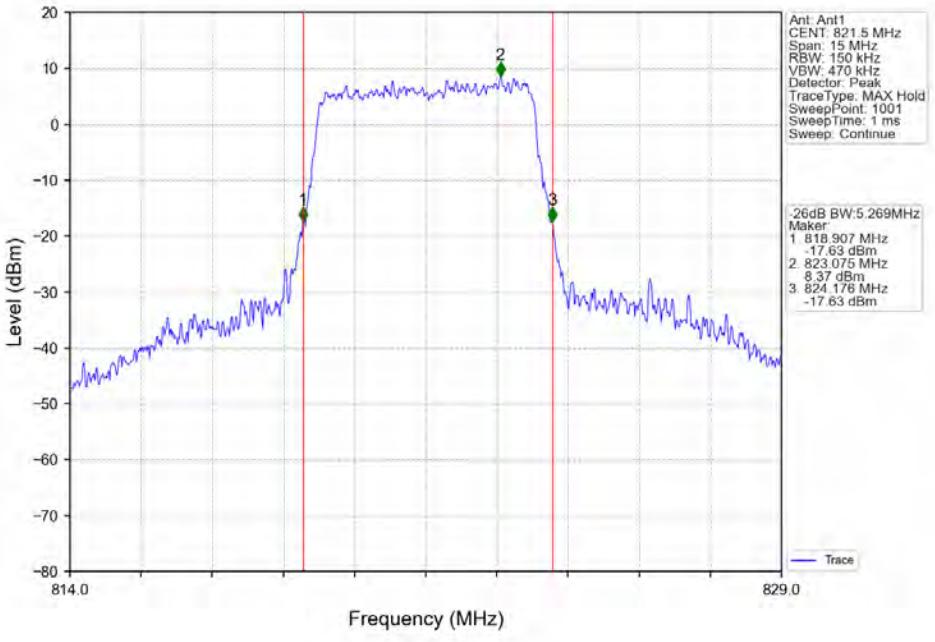


Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV

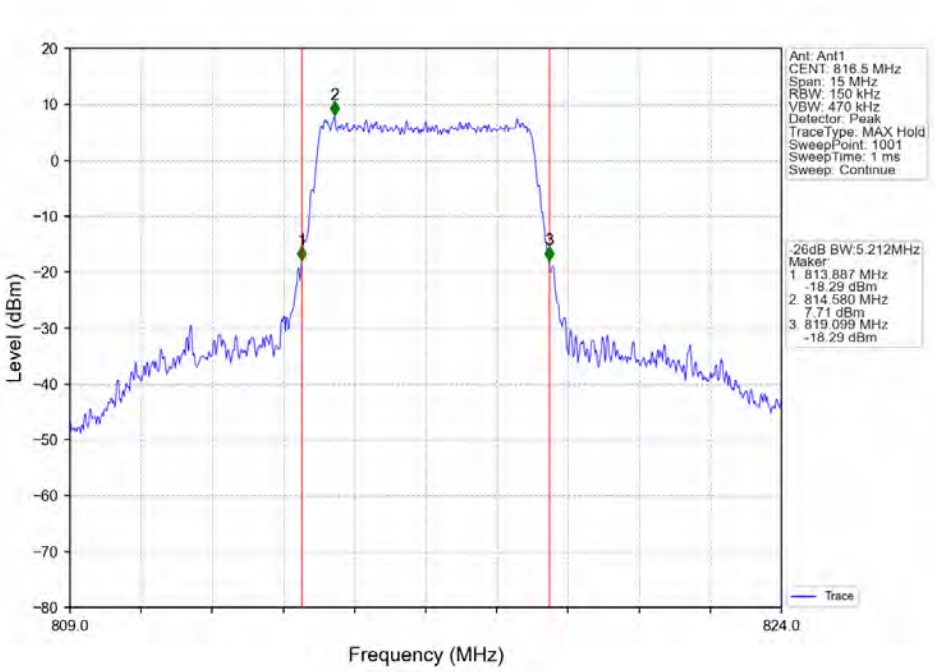


Band26a_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV

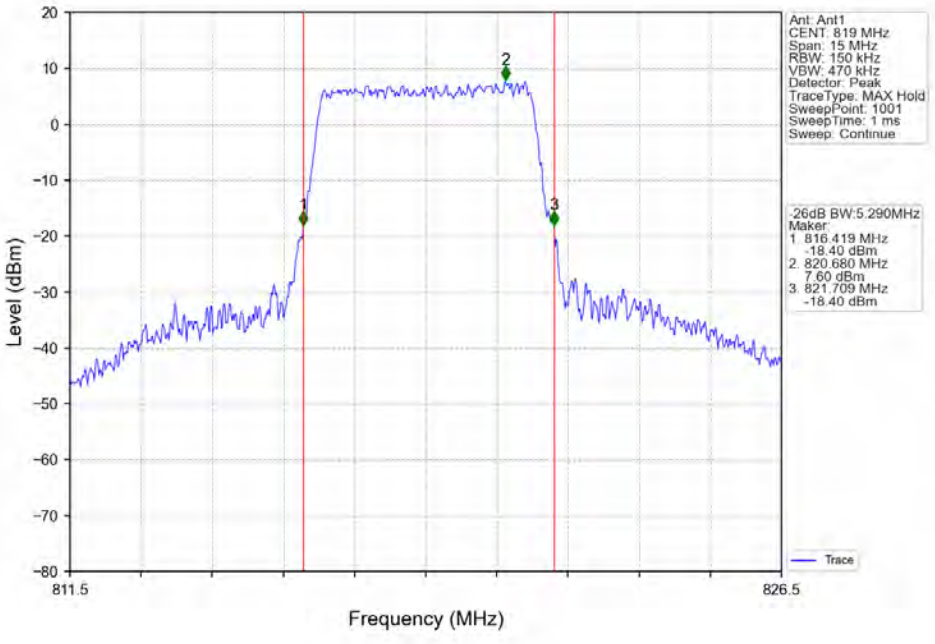


Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV

Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV


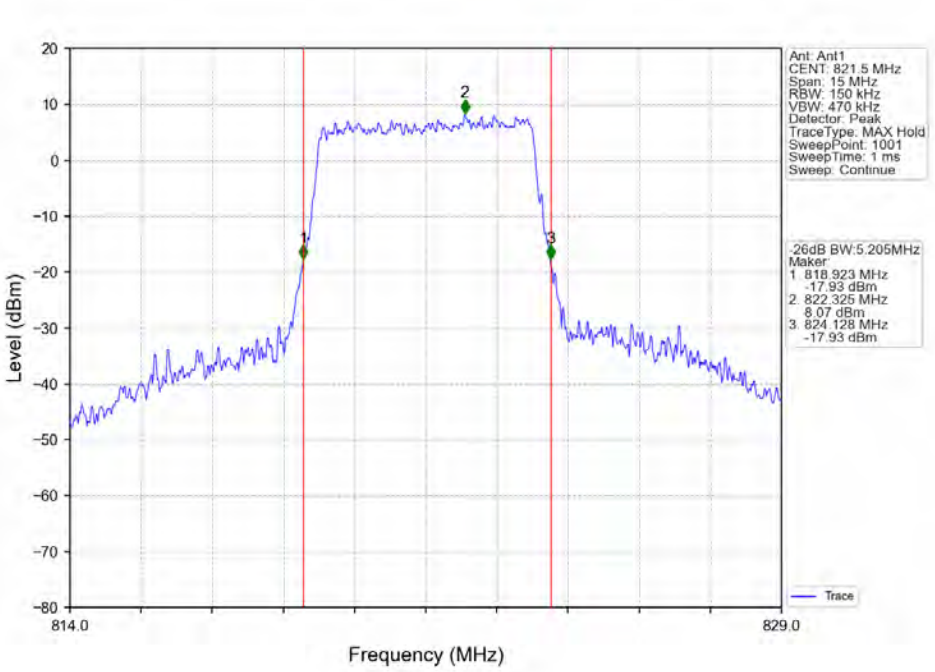
Band26a_5MHz_64QAM_LCH_816.5MHz_RB_25_0_NTNV



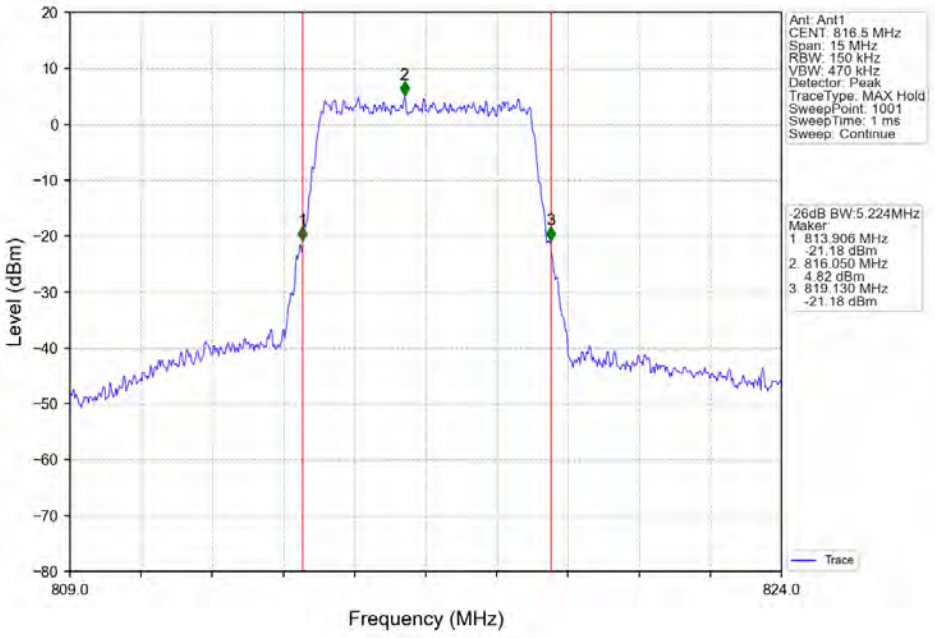
Band26a_5MHz_64QAM_MCH_819MHz_RB_25_0_NTNV



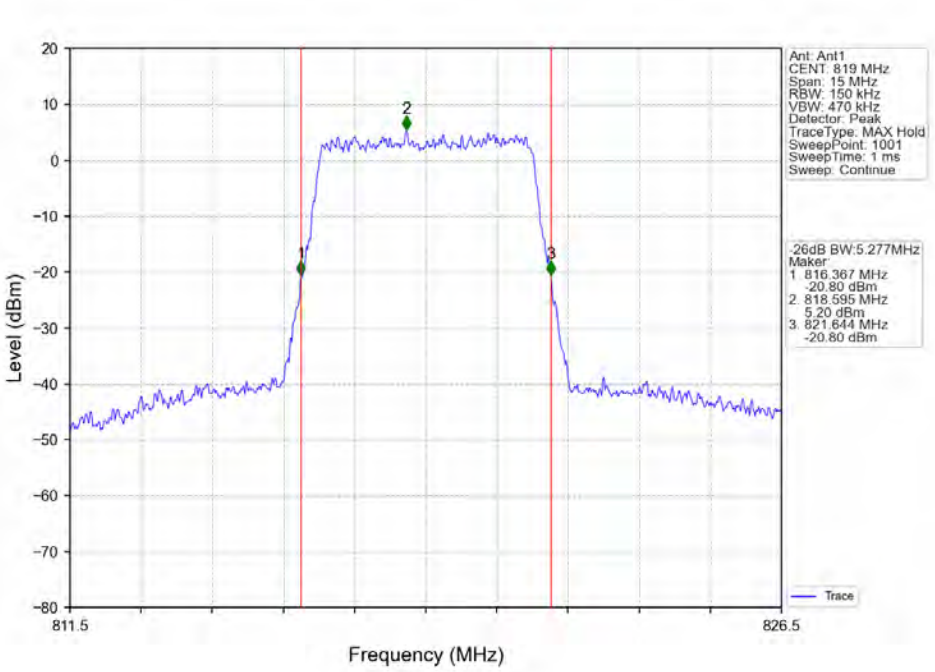
Band26a_5MHz_64QAM_HCH_821.5MHz_RB_25_0_NTNV



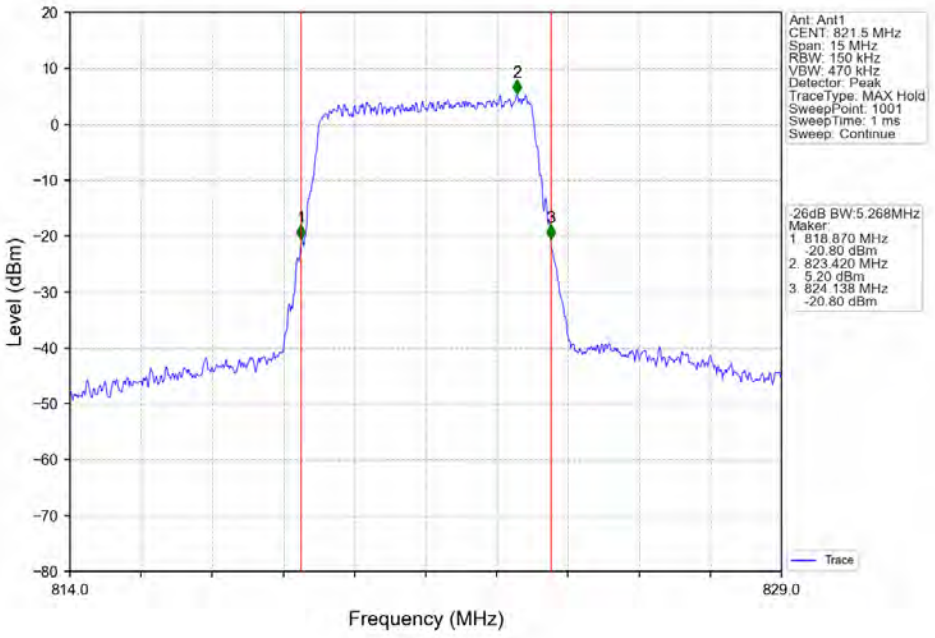
Band26a_5MHz_256QAM_LCH_816.5MHz_RB_25_0_NTNV



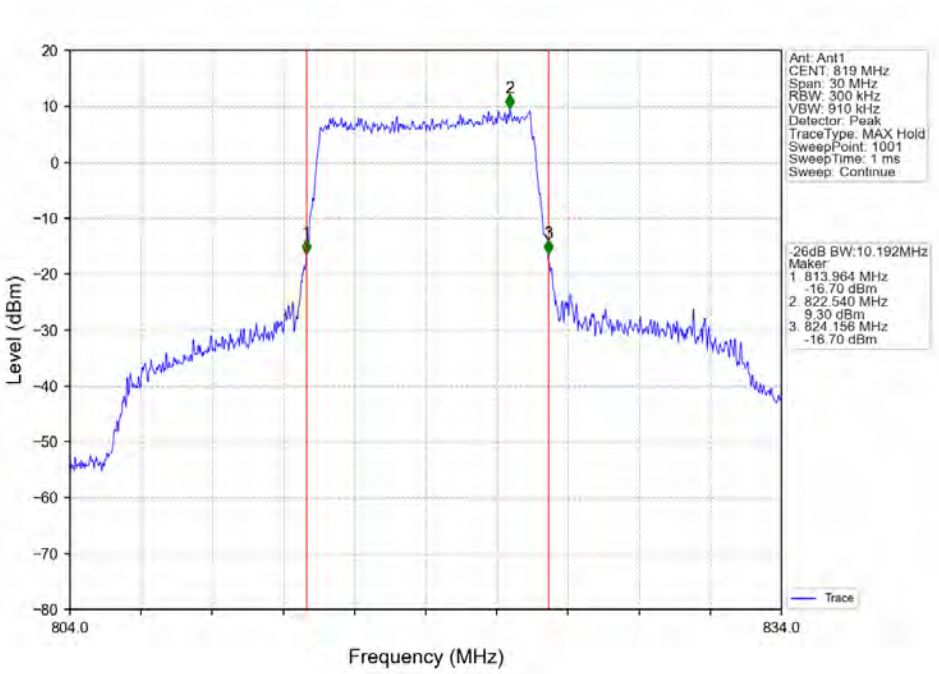
Band26a_5MHz_256QAM_MCH_819MHz_RB_25_0_NTNV



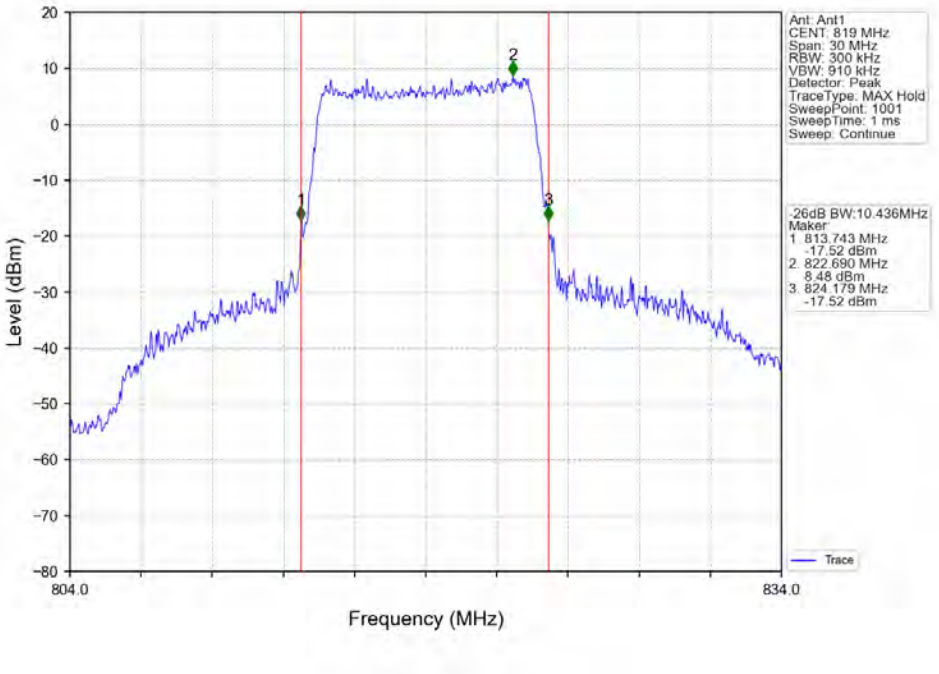
Band26a_5MHz_256QAM_HCH_821.5MHz_RB_25_0_NTNV



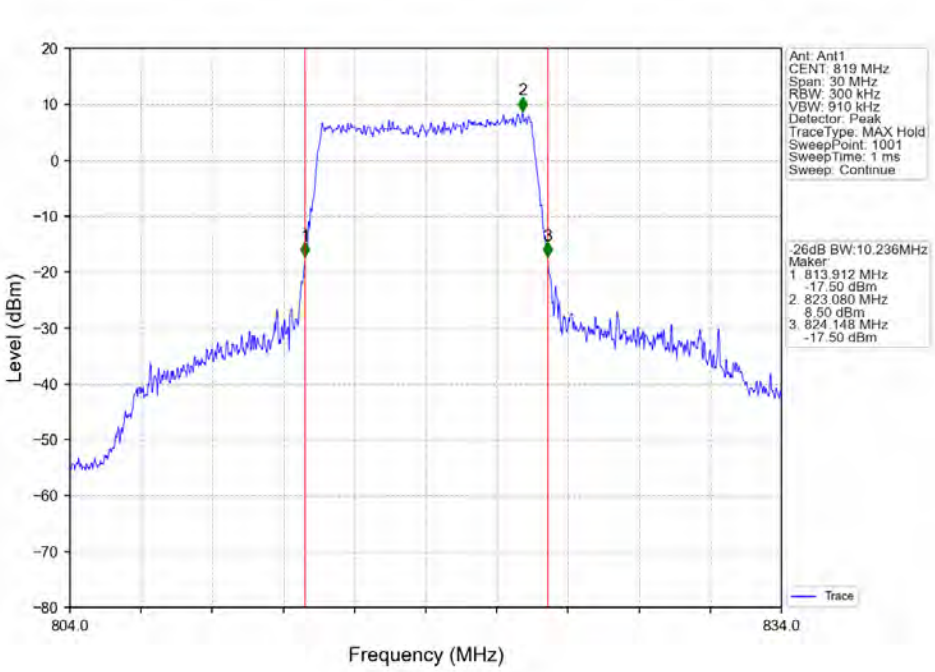
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



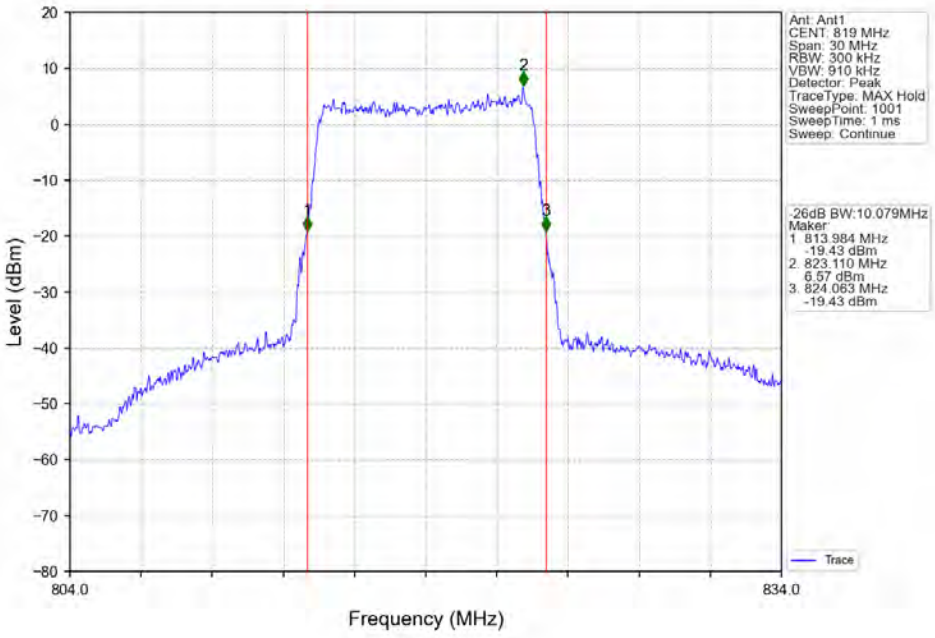
Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



4. Peak-Average Ratio

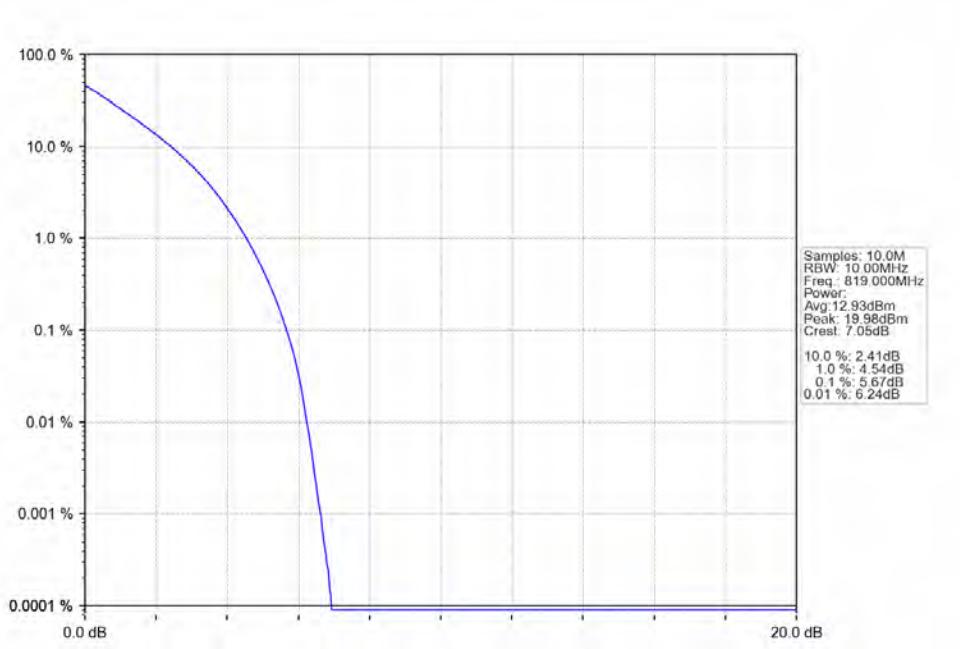
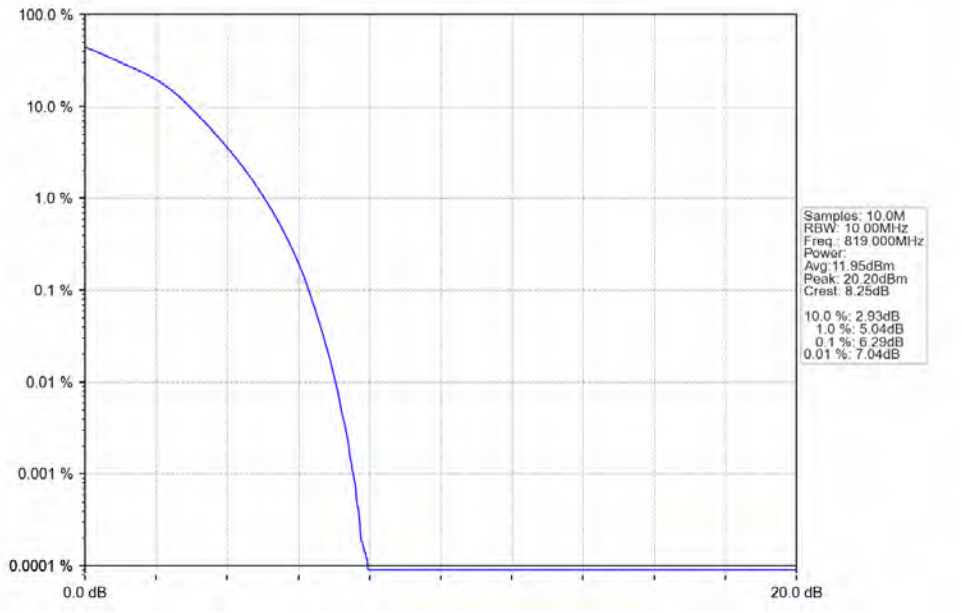
4.1 Test Result

4.1.1 B26a_10MHz

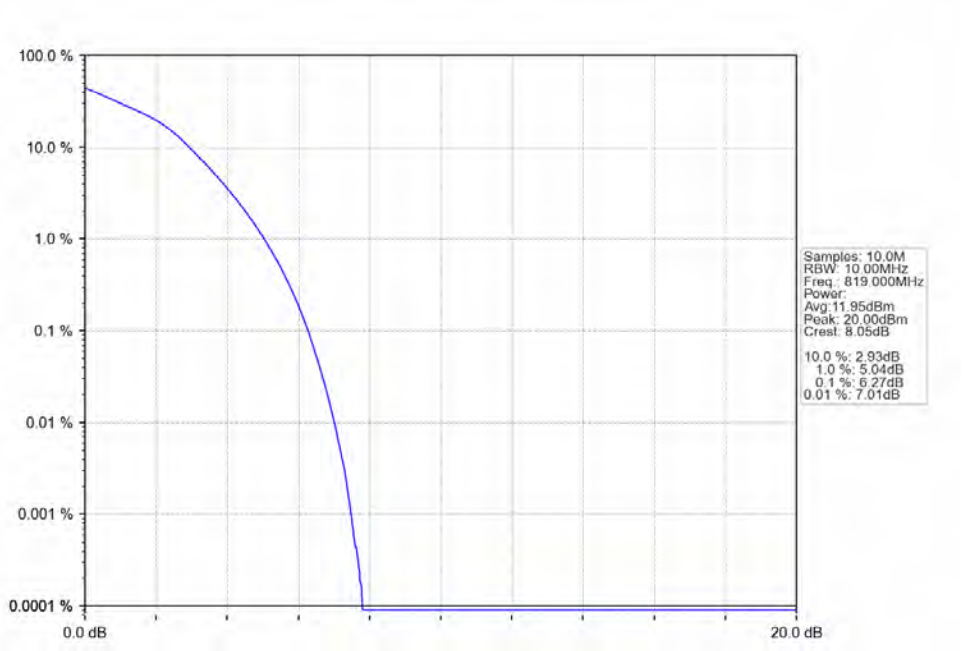
Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	5.67	<=13	Pass
16QAM	819	50	0	6.29	<=13	Pass
64QAM	819	50	0	6.27	<=13	Pass
256QAM	819	50	0	6.70	<=13	Pass

4.2 Test Graph

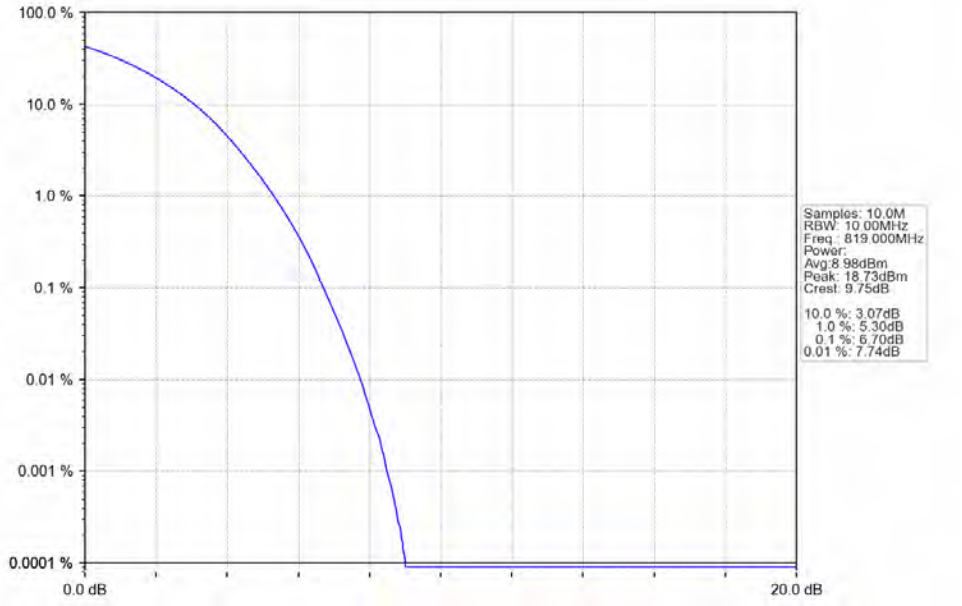
4.2.1 B26a_10MHz

Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV

Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV


Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



5. Spurious Emission & Band Edges

5.1 Test Result

5.1.1 B26a_1.4MHz

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

5.1.2 B26a_3MHz

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

5.1.3 B26a_5MHz

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

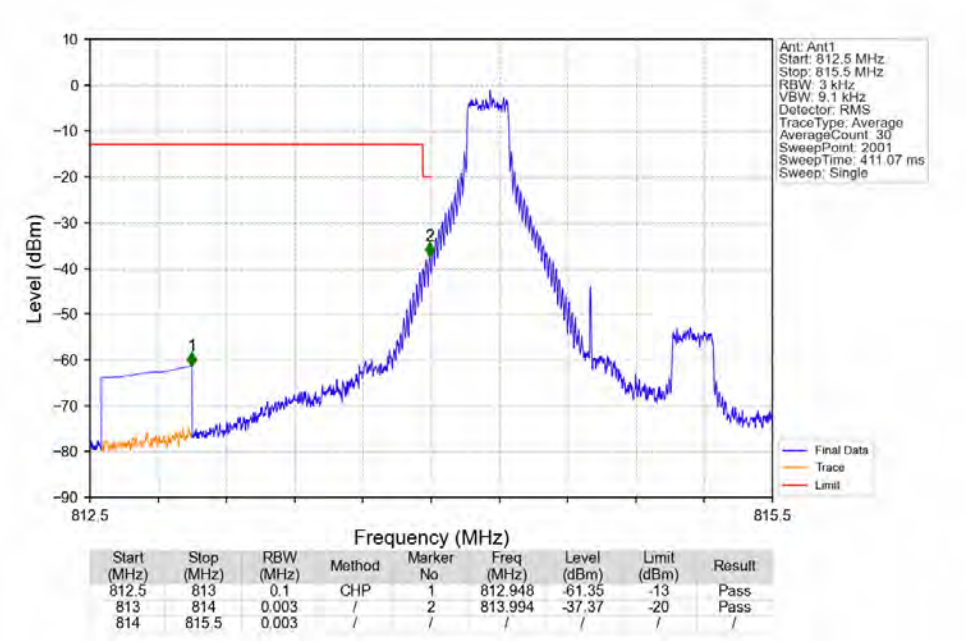
5.1.4 B26a_10MHz

Band: 26a / Bandwidth: 10MHz / NTNV						
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

5.2 Test Graph

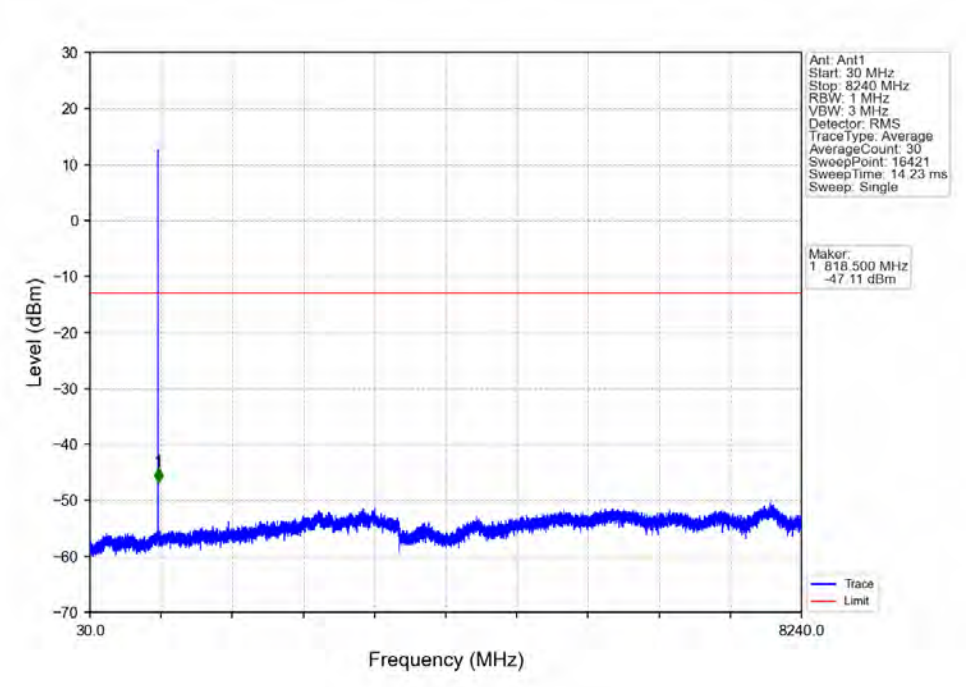
5.2.1 B26a_1.4MHz

Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV

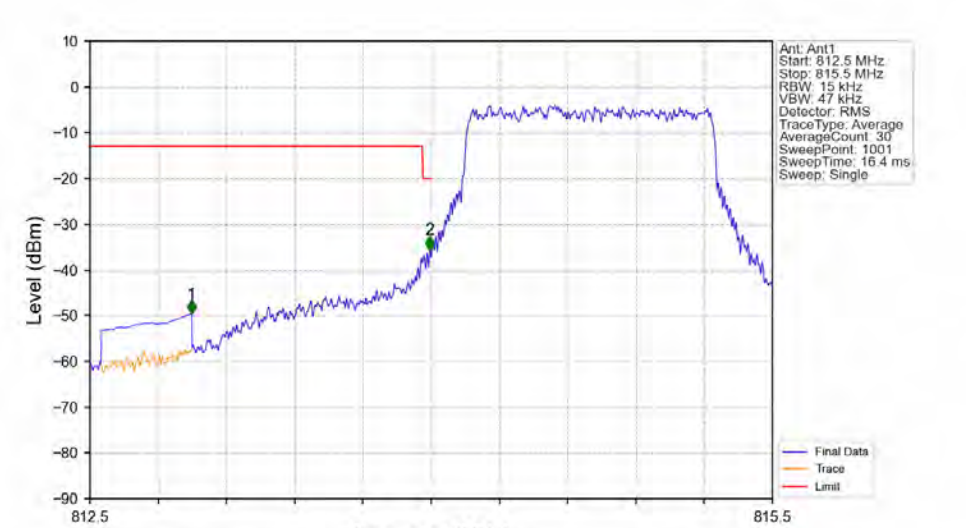


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
812.5	813	0.1	CHP	1	812.948	-61.35	-13	Pass
813	814	0.003	/	2	813.994	-37.37	-20	Pass
814	815.5	0.003	/	/	/	/	/	/

Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV

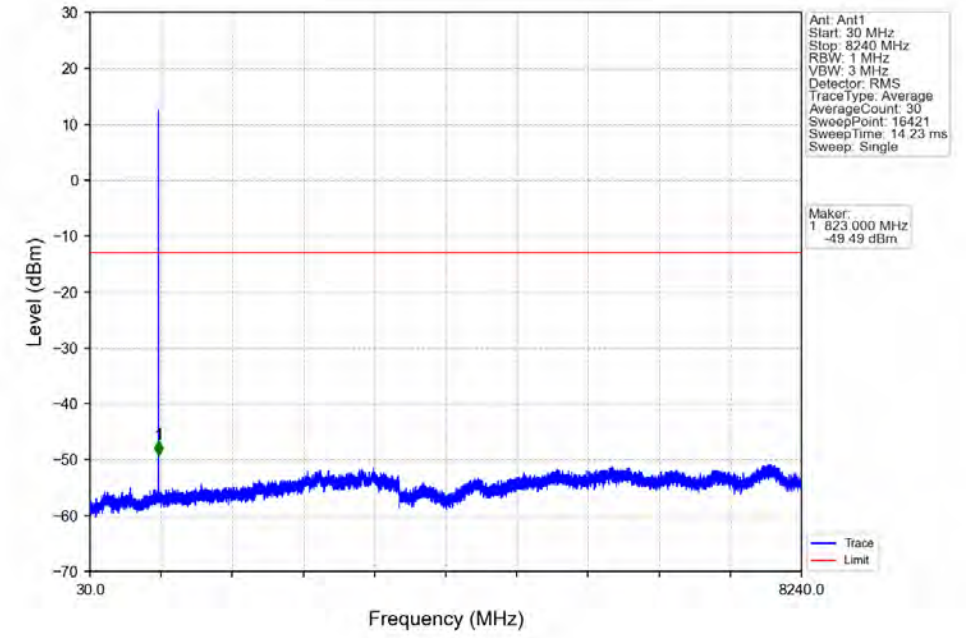


Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

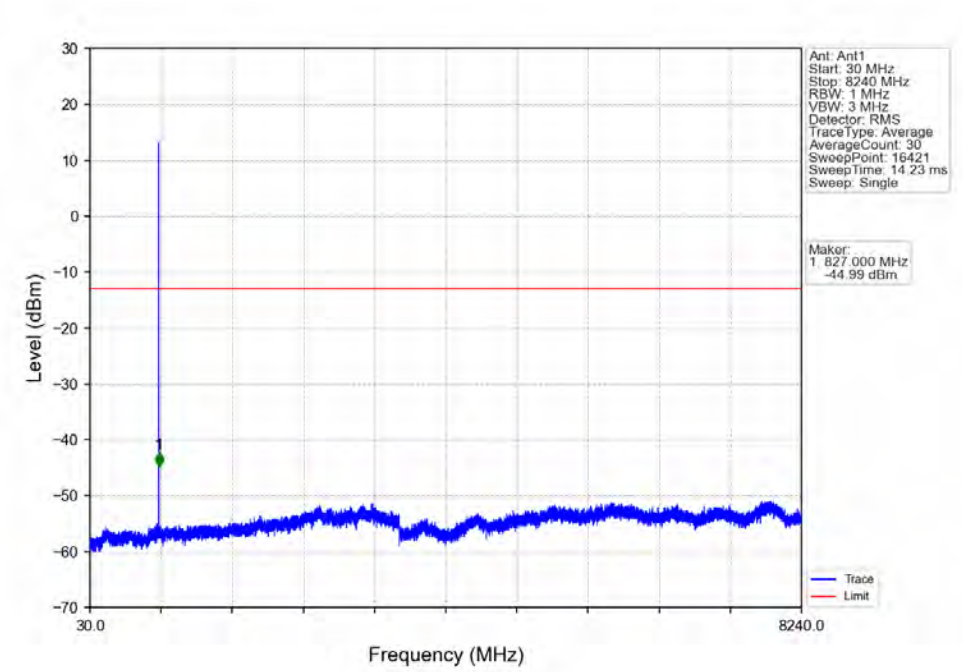


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
812.5	813	0.1	CHP	1	812.947	-49.67	-13	Pass
813	814	0.015	/	2	813.994	-35.61	-20	Pass
814	815.5	0.015	/	/	/	/	/	/

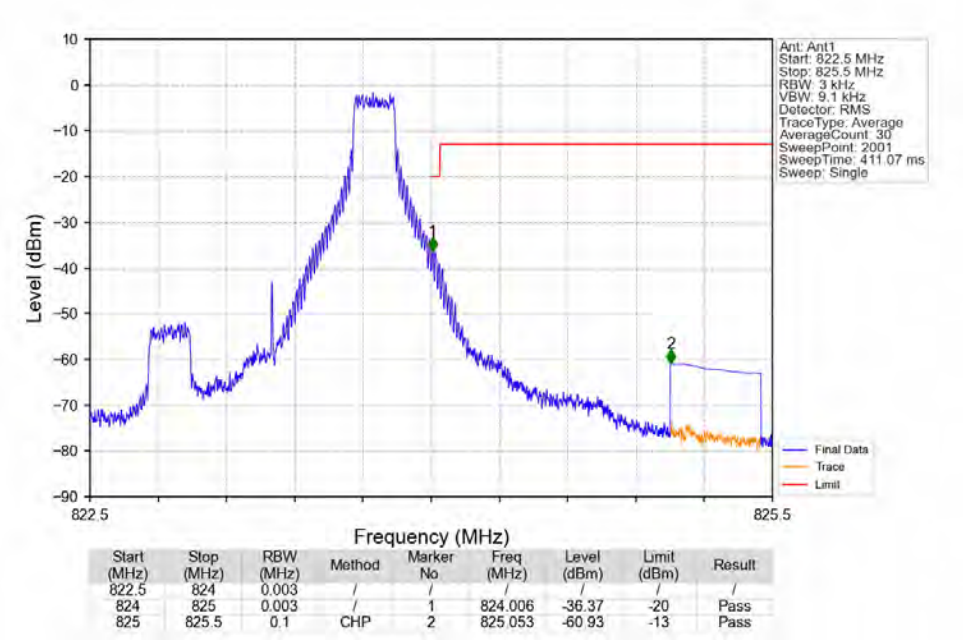
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV

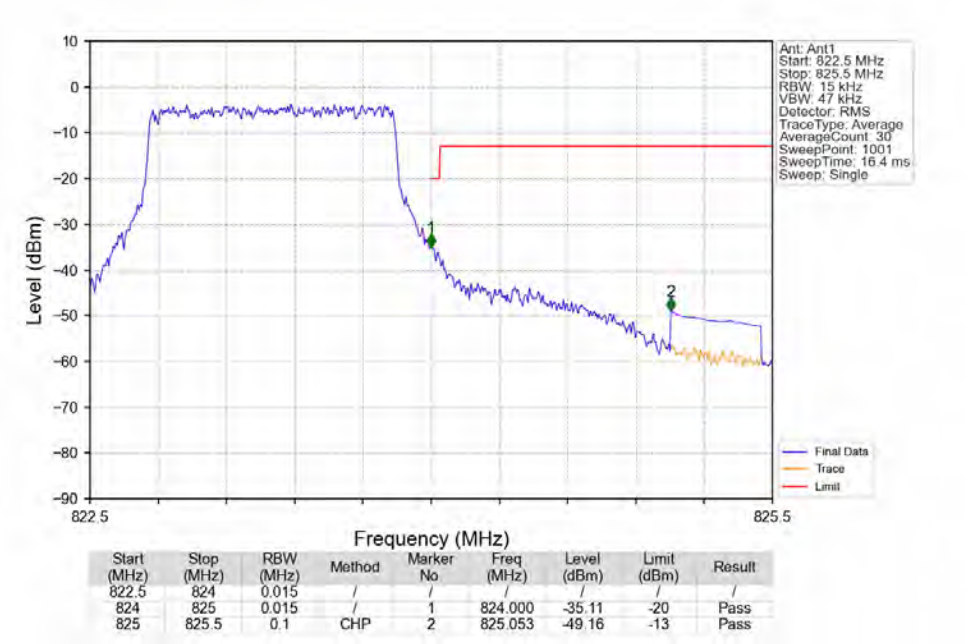


Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_5_NTNV



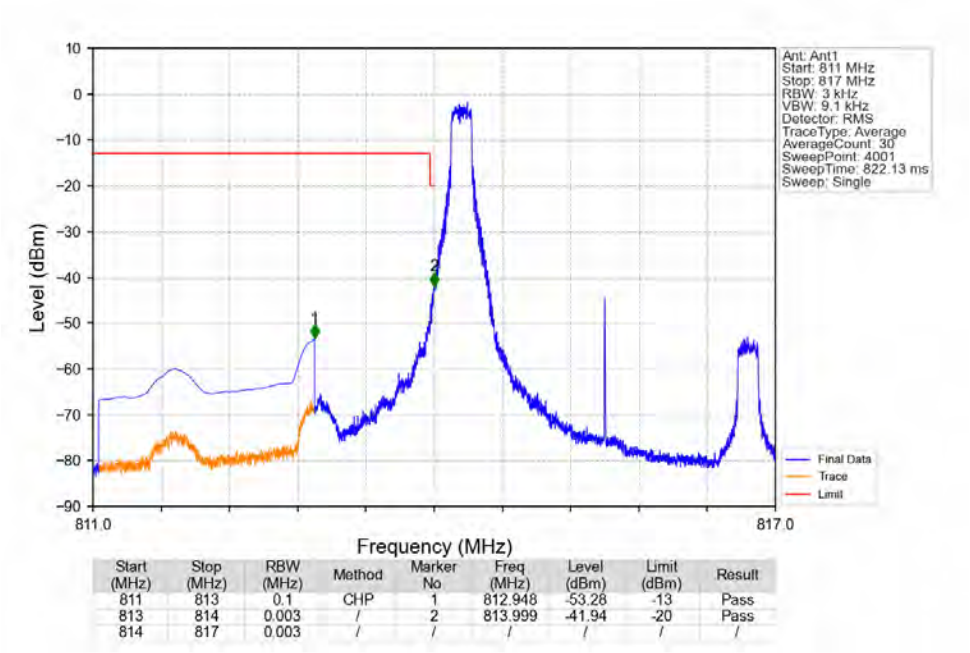
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	824	0.003	/	/	/	/	/	/
824	825	0.003	/	1	824.006	-36.37	-20	Pass
825	825.5	0.1	CHP	2	825.053	-60.93	-13	Pass

Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV

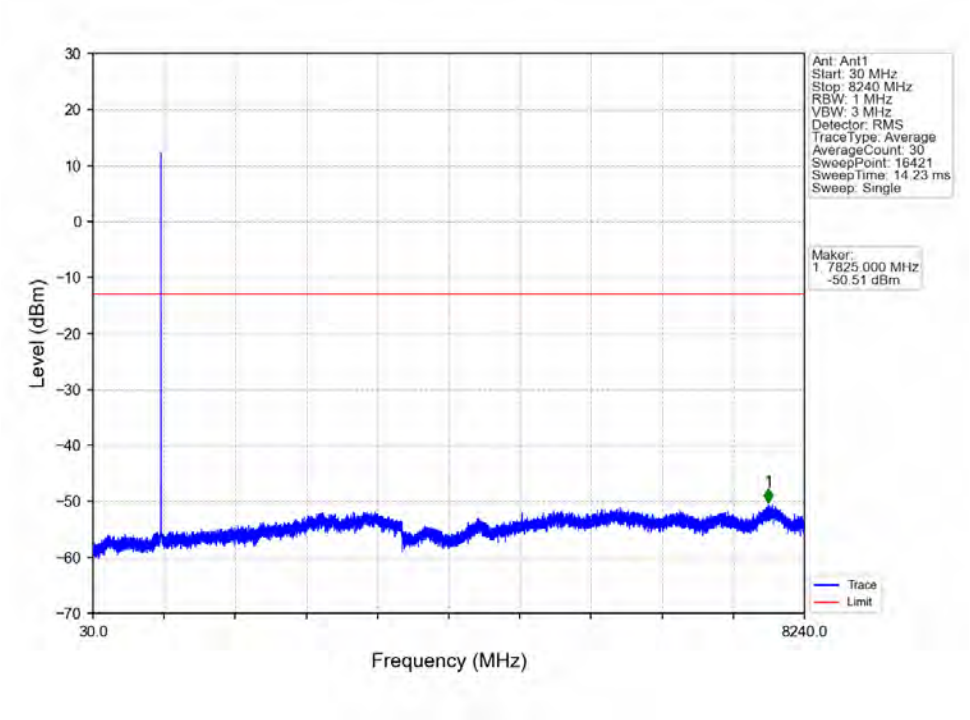


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
822.5	824	0.015	/	/	/	/	/	/
824	825	0.015	/	1	824.000	-35.11	-20	Pass
825	825.5	0.1	CHP	2	825.053	-49.16	-13	Pass

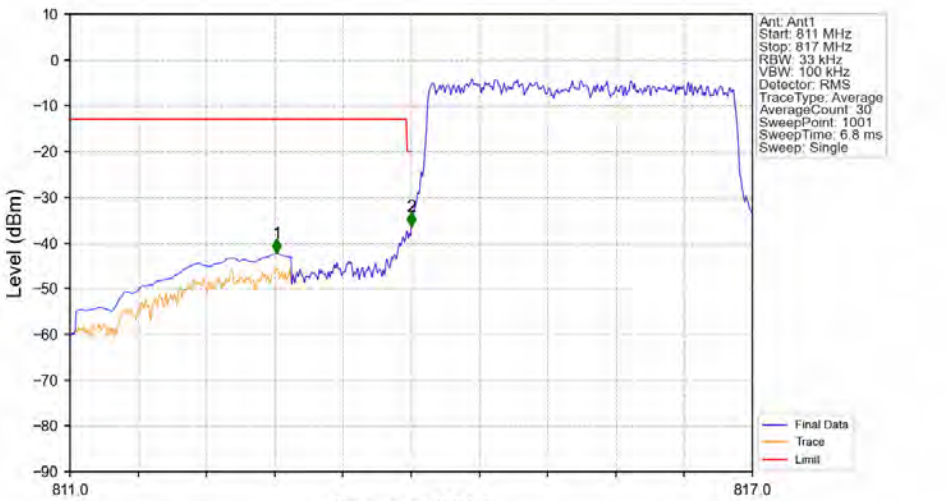
5.2.2 B26a_3MHz

Band26a_3MHz_QPSK_LCH_815.5MHz_RB_1_0_NTNV


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.948	-53.28	-13	Pass
813	814	0.003	/	2	813.999	-41.94	-20	Pass
814	817	0.003	/	/	/	/	/	/

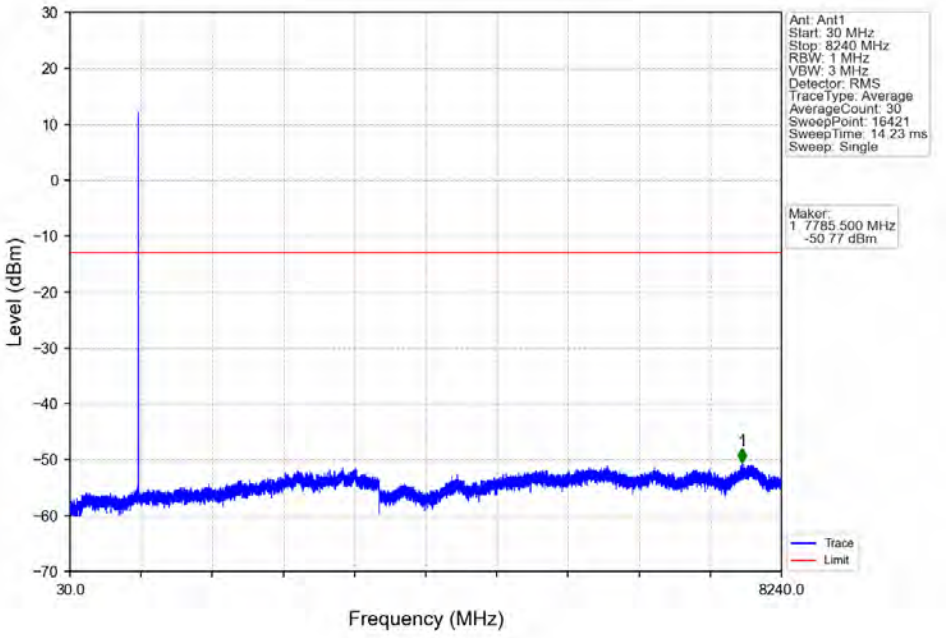
Band26a_3MHz_QPSK_LCH_815.5MHz_RB_1_0_NTNV


Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

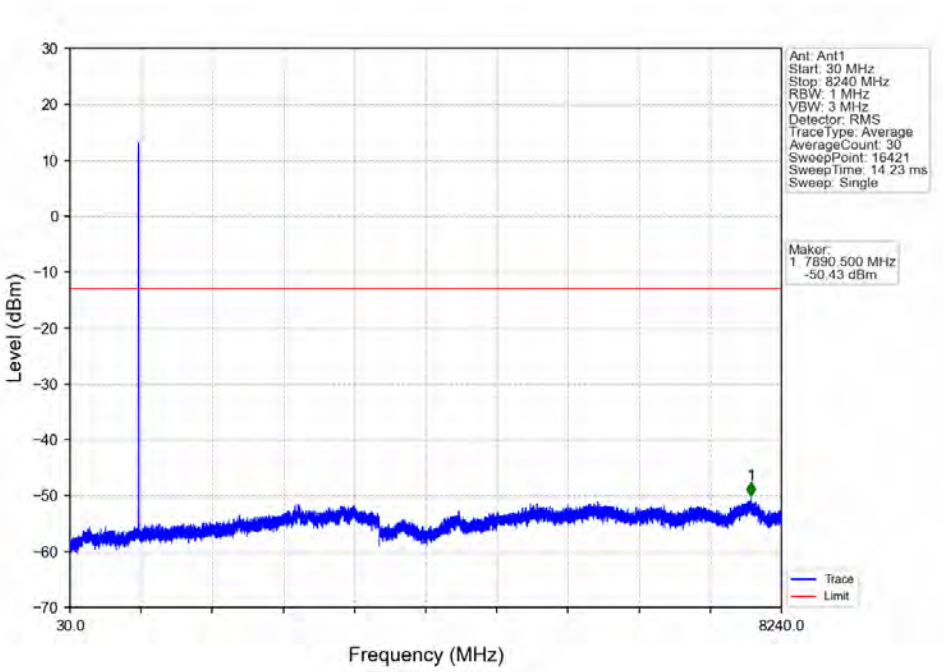


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.818	-42.21	-13	Pass
813	814	0.033	/	2	814.000	-36.40	-20	Pass
814	817	0.033	/	/	/	/	/	/

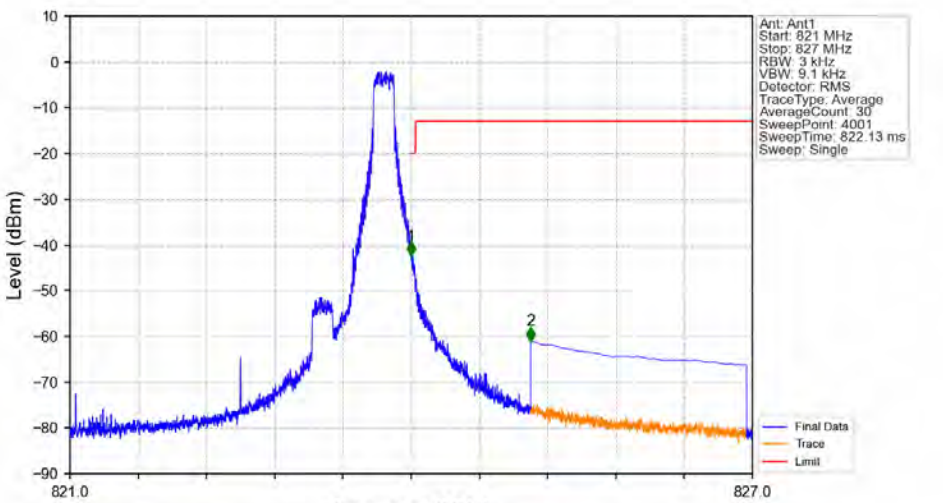
Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV

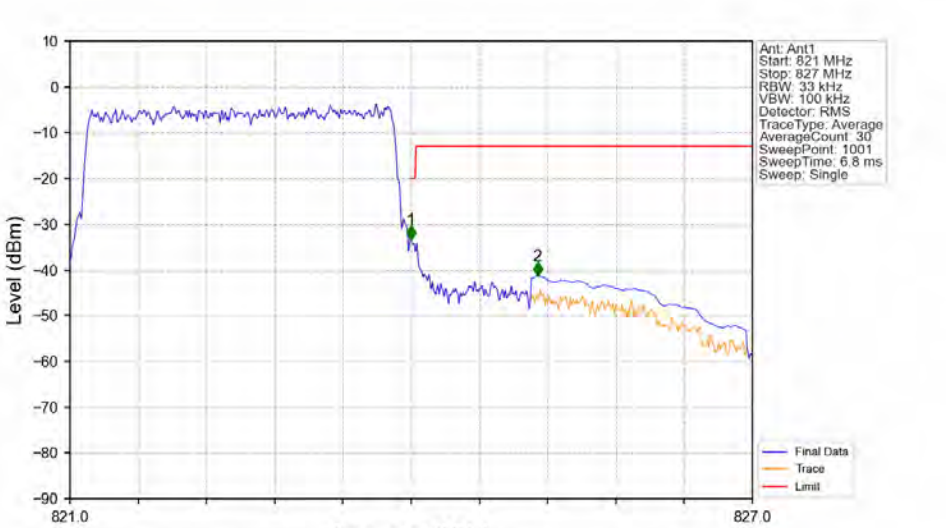


Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.003	/	/	/	/	/	/
824	825	0.003	/	1	824.000	-42.38	-20	Pass
825	827	0.1	CHP	2	825.052	-61.01	-13	Pass

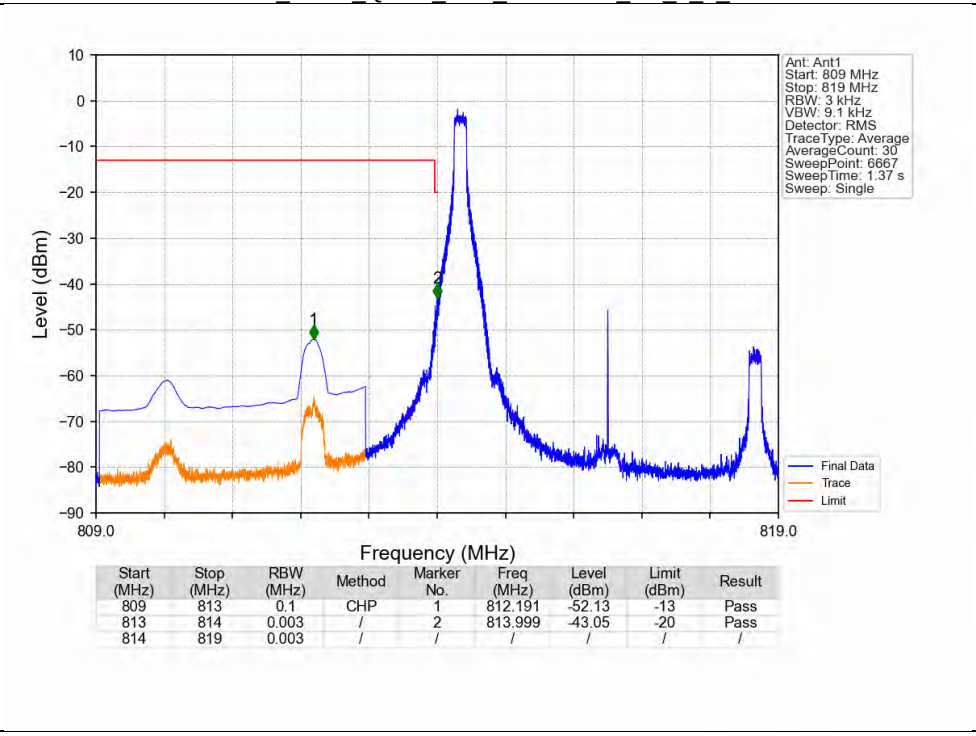
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	824	0.033	/	/	/	/	/	/
824	825	0.033	/	1	824.000	-33.40	-20	Pass
825	827	0.1	CHP	2	825.110	-41.32	-13	Pass

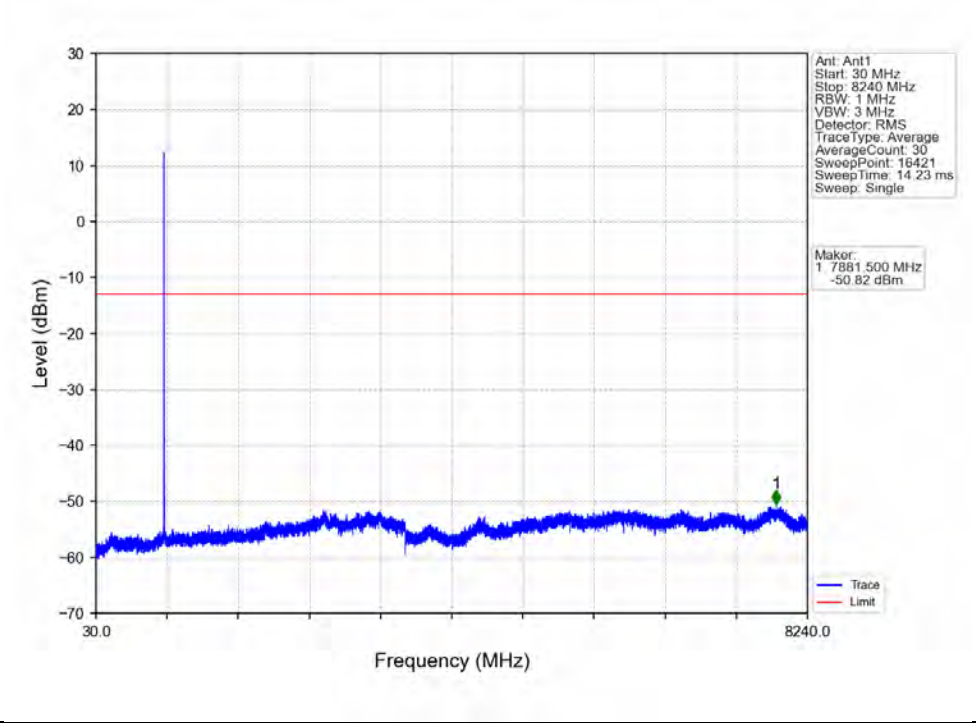
5.2.3 B26a_5MHz

Band26a_5MHz_QPSK_LCH_816.5MHz_RB_1_0_NTNV

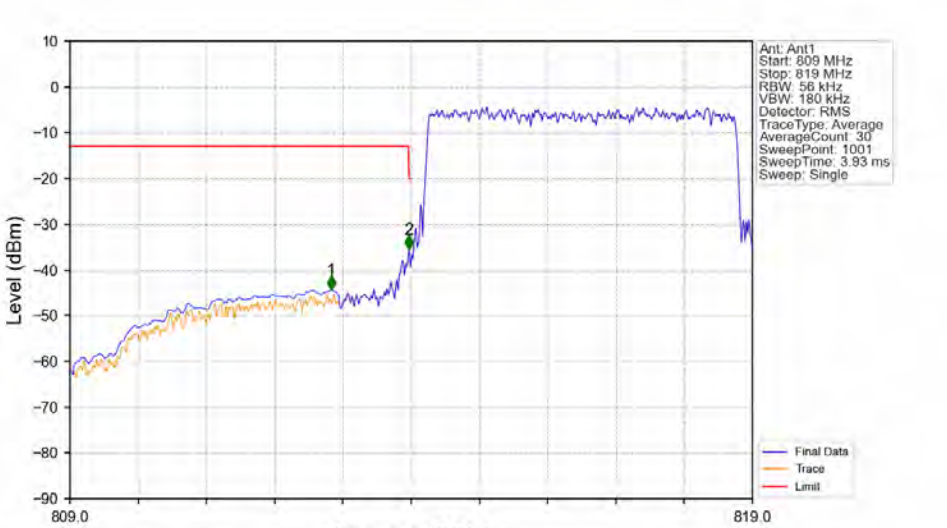


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.191	-52.13	-13	Pass
813	814	0.003	/	2	813.999	-43.05	-20	Pass
814	819	0.003	/	/	/	/	/	/

Band26a_5MHz_QPSK_LCH_816.5MHz_RB_1_0_NTNV

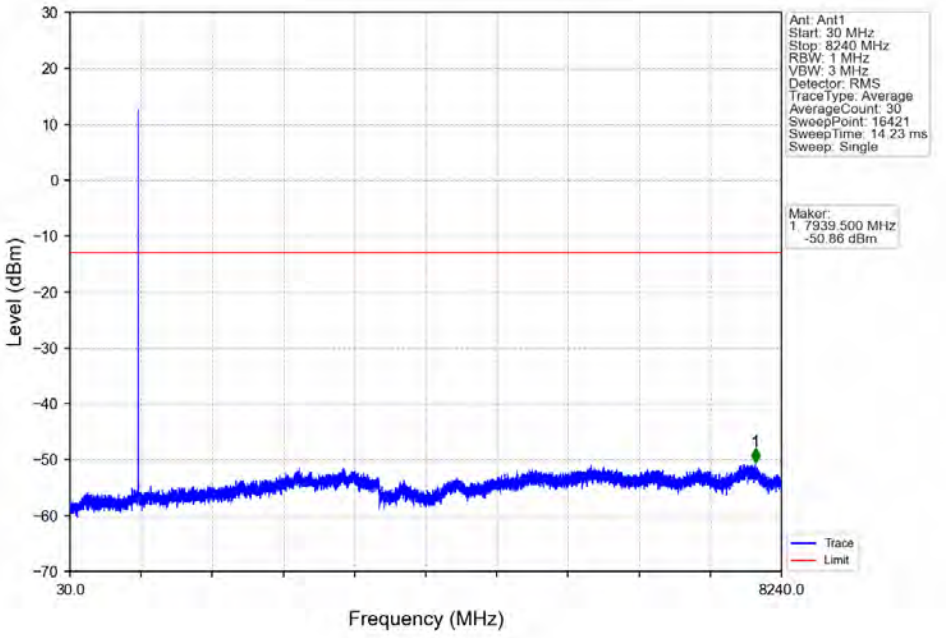


Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV

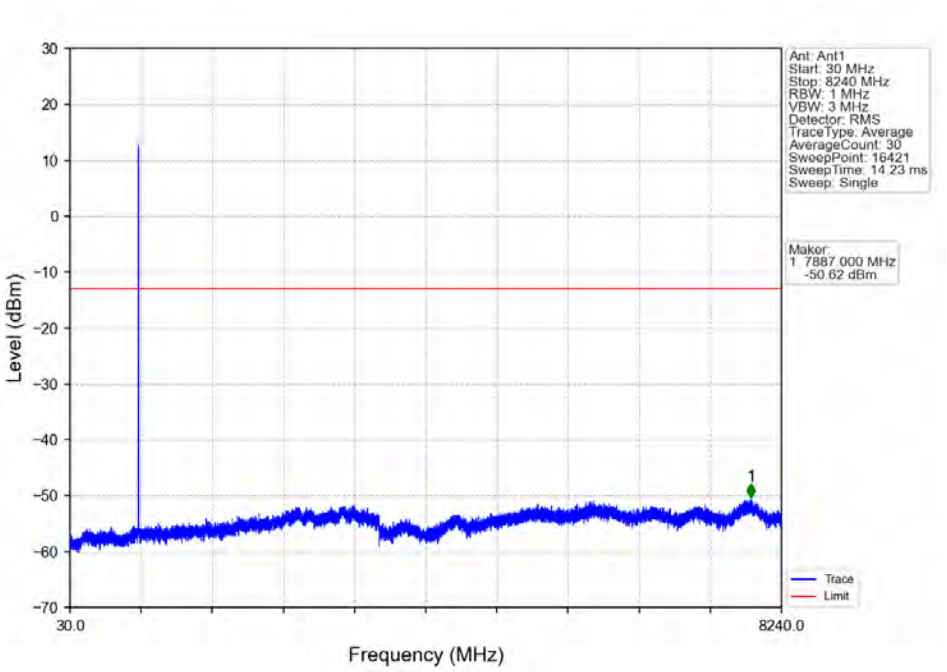


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.830	-44.39	-13	Pass
813	814	0.056	/	2	813.970	-35.58	-20	Pass
814	819	0.056	/	/	/	/	/	/

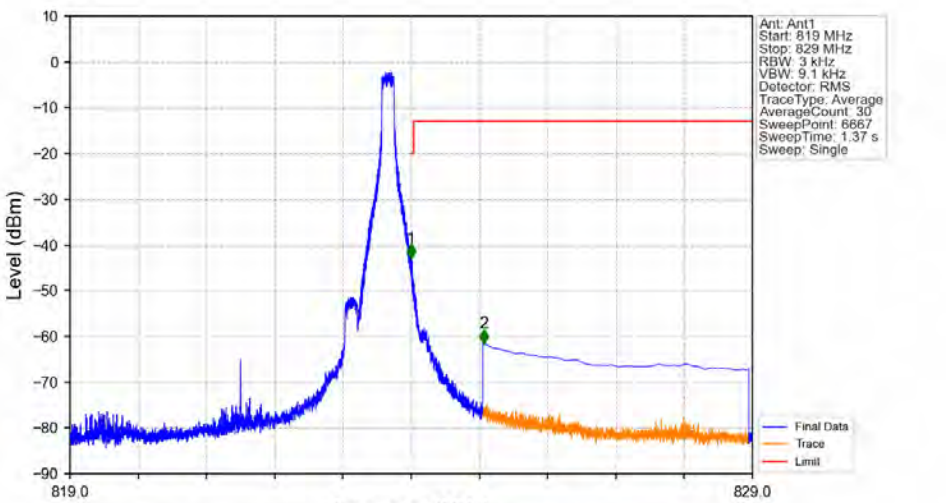
Band26a_5MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV

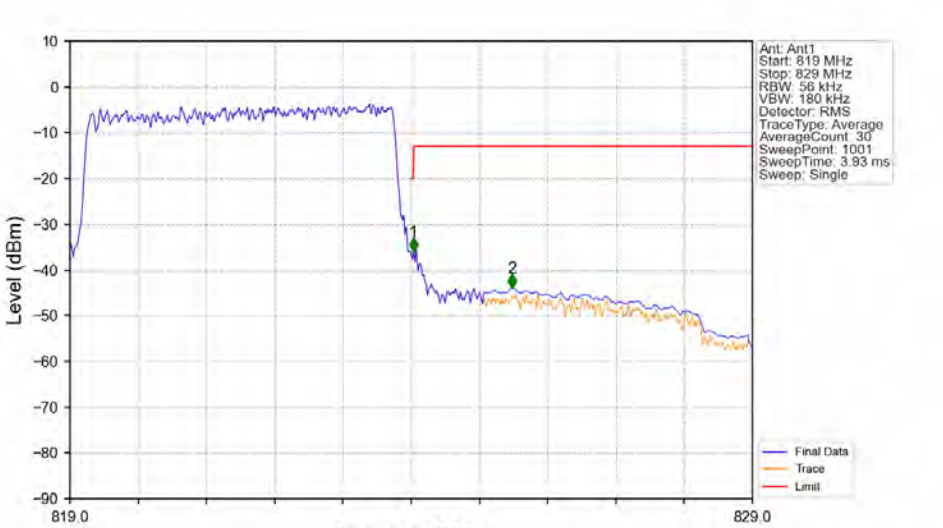


Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.003	/	/	/	/	/	/
824	825	0.003	/	1	824.000	-42.90	-20	Pass
825	829	0.1	CHP	2	825.068	-61.53	-13	Pass

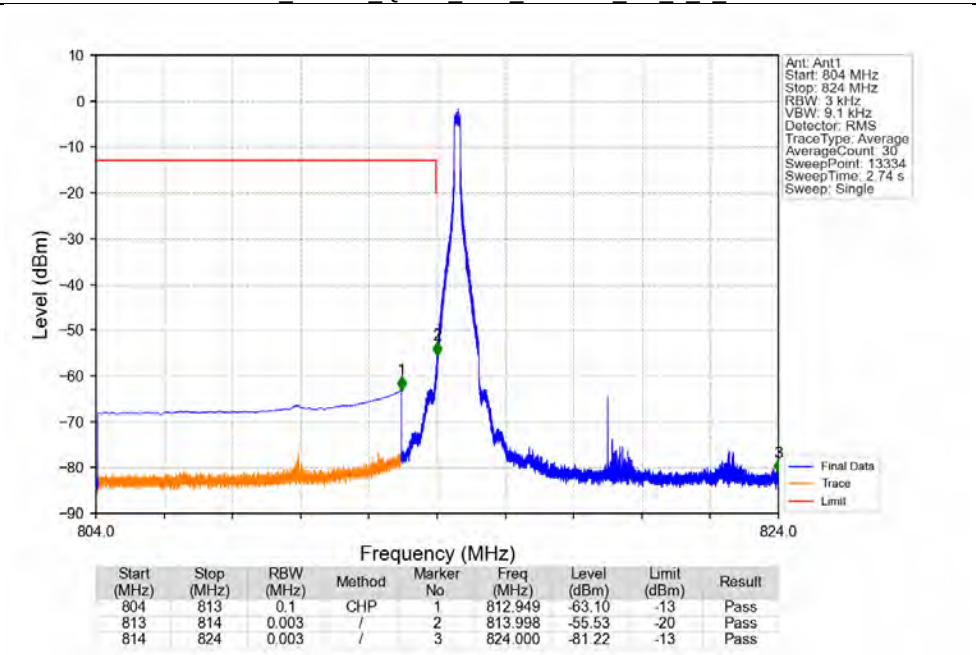
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	824	0.056	/	/	/	/	/	/
824	825	0.056	/	1	824.030	-36.10	-20	Pass
825	829	0.1	CHP	2	825.480	-44.02	-13	Pass

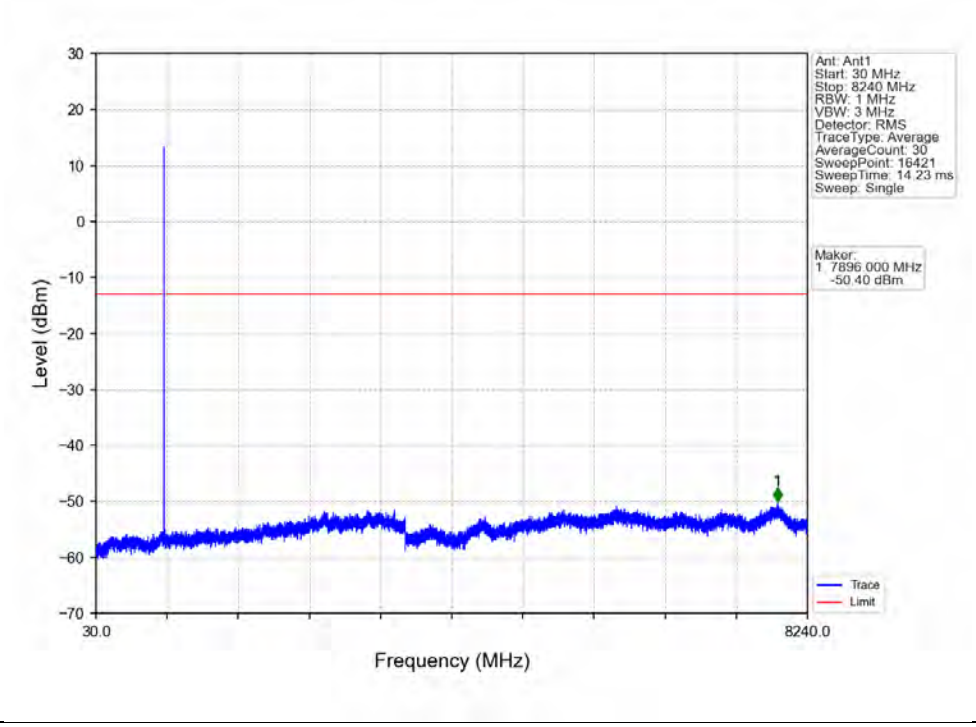
5.2.4 B26a_10MHz

Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

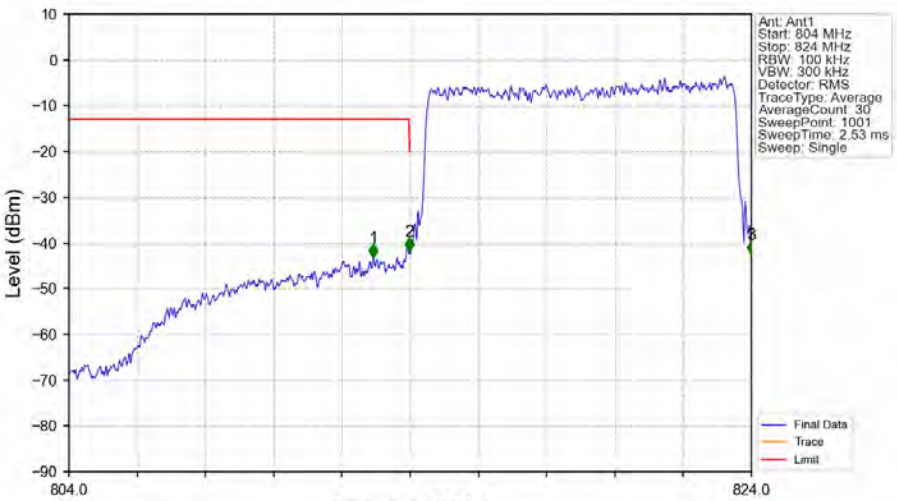


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	CHP	1	812.949	-63.10	-13	Pass
813	814	0.003	/	2	813.998	-55.53	-20	Pass
814	824	0.003	/	3	824.000	-81.22	-13	Pass

Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

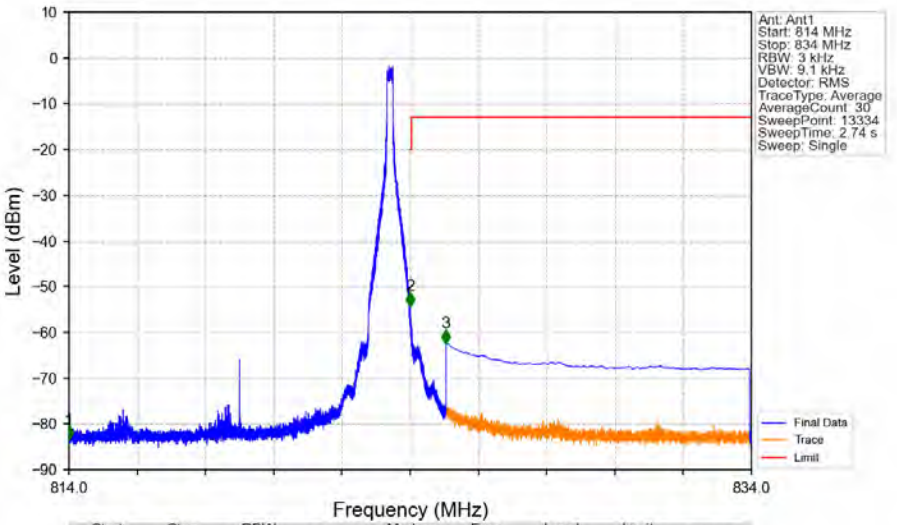


Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



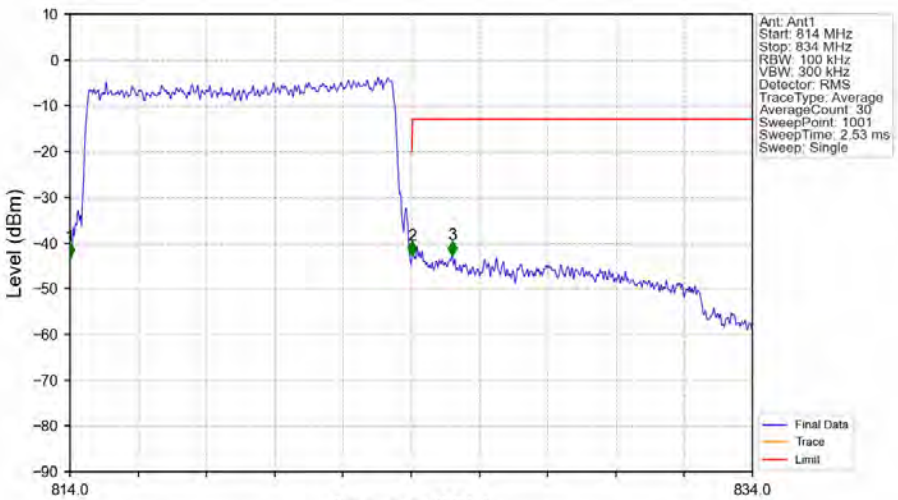
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	/	1	812.920	-43.21	-13	Pass
813	814	0.102	/	2	813.980	-41.84	-20	Pass
814	824	0.102	/	3	824.000	-42.59	-13	Pass

Band26a_10MHz_QPSK_HCH_819MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	824	0.003	/	1	814.000	-83.46	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.002	-54.30	-20	Pass
825	834	0.1	CHP	3	825.051	-62.42	-13	Pass

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	0.102	/	1	814.000	-43.01	-13	Pass
824	824	0.102	/	/	/	/	/	/
824	825	0.102	/	2	824.020	-42.69	-20	Pass
825	834	0.1	/	3	825.200	-42.67	-13	Pass

Field Strength of Spurious Radiation

LTE Band 26 814-824 ANT31- Middle channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1629.0	-70.18	-13	-57.18	-73.11	2.62	5.55	Horizontal	Pass
2443.5	-69.76	-13	-56.76	-72.4	3.04	5.68	Horizontal	Pass
3258.0	-67.04	-13	-54.04	-71.32	3.28	7.56	Horizontal	Pass
1629.0	-70.18	-13	-57.18	-73.11	2.62	5.55	Vertical	Pass
2443.5	-66.22	-13	-53.22	-68.86	3.04	5.68	Vertical	Pass
3258.0	-66.96	-13	-53.96	-71.24	3.28	7.56	Vertical	Pass

CA_7A_26A 814-824- Middle channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
3258.0	-66.43	-13	-53.43	-70.71	3.28	7.56	Horizontal	Pass
4072.5	-65.18	-13	-52.18	-70.19	3.91	8.92	Horizontal	Pass
4887.0	-63.31	-13	-50.31	-68.76	4.52	9.97	Horizontal	Pass
3258.0	-66.54	-13	-53.54	-70.82	3.28	7.56	Vertical	Pass
4072.5	-65.12	-13	-52.12	-70.13	3.91	8.92	Vertical	Pass
4887.0	-63.24	-13	-50.24	-68.69	4.52	9.97	Vertical	Pass

Remark:

1) The field strength is calculated by adding the S.G.Power, Antenna Gain & Cable Loss. The basic equation with a sample calculation is as follows:
   EIRP=S.G.Power+Antenna Gain-Cable Loss
   Over Limit=Limit-EIRP
2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---