1. Transmitter Conducted Power Output

1.1 B26a_1.4MHz_ERP(ANT11)

1.1.1 Test Result

Band: 26a / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	814.7	1	0	23.58	-5.15	16.28	<=38.45	Pass
			2	23.64	-5.15	16.34	<=38.45	Pass
			5	23.56	-5.15	16.26	<=38.45	Pass
		3	0	23.65	-5.15	16.35	<=38.45	Pass
			2	23.73	-5.15	16.43	<=38.45	Pass
			3	23.65	-5.15	16.35	<=38.45	Pass
		6	0	22.71	-5.15	15.41	<=38.45	Pass
	819	1	0	23.56	-5.15	16.26	<=38.45	Pass
			2	23.64	-5.15	16.34	<=38.45	Pass
			5	23.54	-5.15	16.24	<=38.45	Pass
		3	0	23.60	-5.15	16.30	<=38.45	Pass
			2	23.70	-5.15	16.40	<=38.45	Pass
			3	23.62	-5.15	16.32	<=38.45	Pass
		6	0	22.59	-5.15	15.29	<=38.45	Pass
	823.3	1	0	23.46	-5.15	16.16	<=38.45	Pass
			2	23.68	-5.15	16.38	<=38.45	Pass
			5	23.51	-5.15	16.21	<=38.45	Pass
		3	0	23.58	-5.15	16.28	<=38.45	Pass
			2	23.62	-5.15	16.32	<=38.45	Pass
			3	23.59	-5.15	16.29	<=38.45	Pass
		6	0	22.61	-5.15	15.31	<=38.45	Pass
16QAM	814.7	1	0	23.08	-5.15	15.78	<=38.45	Pass
			2	22.98	-5.15	15.68	<=38.45	Pass
			5	23.07	-5.15	15.77	<=38.45	Pass
		3	0	22.84	-5.15	15.54	<=38.45	Pass
			2	22.92	-5.15	15.62	<=38.45	Pass
			3	22.85	-5.15	15.55	<=38.45	Pass
		6	0	21.70	-5.15	14.40	<=38.45	Pass
	819	1	0	23.10	-5.15	15.80	<=38.45	Pass
			2	23.15	-5.15	15.85	<=38.45	Pass
			5	22.86	-5.15	15.56	<=38.45	Pass
		3	0	22.82	-5.15	15.52	<=38.45	Pass
			2	22.75	-5.15	15.45	<=38.45	Pass
			3	22.71	-5.15	15.41	<=38.45	Pass
		6	0	21.76	-5.15	14.46	<=38.45	Pass
	823.3	1	0	22.87	-5.15	15.57	<=38.45	Pass
			2	23.20	-5.15	15.90	<=38.45	Pass
			5	22.86	-5.15	15.56	<=38.45	Pass
		3	0	22.85	-5.15	15.55	<=38.45	Pass
			2	22.77	-5.15	15.47	<=38.45	Pass
			3	22.85	-5.15	15.55	<=38.45	Pass
		6	0	21.73	-5.15	14.43	<=38.45	Pass
64QAM	814.7	1	0	22.73	-5.15	15.43	<=38.45	Pass
			2	22.75	-5.15	15.45	<=38.45	Pass
			5	22.71	-5.15	15.41	<=38.45	Pass
		3	0	22.79	-5.15	15.49	<=38.45	Pass
			2	22.86	-5.15	15.56	<=38.45	Pass
			3	22.75	-5.15	15.45	<=38.45	Pass
		6	0	21.65	-5.15	14.35	<=38.45	Pass

	819	1	0	22.69	-5.15	15.39	<=38.45	Pass
			2	22.87	-5.15	15.57	<=38.45	Pass
			5	22.76	-5.15	15.46	<=38.45	Pass
		3	0	22.64	-5.15	15.34	<=38.45	Pass
			2	22.77	-5.15	15.47	<=38.45	Pass
			3	22.82	-5.15	15.52	<=38.45	Pass
		6	0	21.63	-5.15	14.33	<=38.45	Pass
	823.3	1	0	22.64	-5.15	15.34	<=38.45	Pass
			2	22.87	-5.15	15.57	<=38.45	Pass
			5	22.71	-5.15	15.41	<=38.45	Pass
		3	0	22.84	-5.15	15.54	<=38.45	Pass
			2	22.68	-5.15	15.38	<=38.45	Pass
			3	22.65	-5.15	15.35	<=38.45	Pass
		6	0	21.58	-5.15	14.28	<=38.45	Pass
256QAM	814.7	1	0	18.68	-5.15	11.38	<=38.45	Pass
			2	18.59	-5.15	11.29	<=38.45	Pass
			5	18.79	-5.15	11.49	<=38.45	Pass
		3	0	18.77	-5.15	11.47	<=38.45	Pass
			2	18.77	-5.15	11.47	<=38.45	Pass
			3	18.72	-5.15	11.42	<=38.45	Pass
		6	0	18.74	-5.15	11.44	<=38.45	Pass
	819	1	0	18.59	-5.15	11.29	<=38.45	Pass
			2	18.71	-5.15	11.41	<=38.45	Pass
			5	18.56	-5.15	11.26	<=38.45	Pass
		3	0	18.62	-5.15	11.32	<=38.45	Pass
			2	18.69	-5.15	11.39	<=38.45	Pass
			3	18.68	-5.15	11.38	<=38.45	Pass
		6	0	18.56	-5.15	11.26	<=38.45	Pass
	823.3	1	0	18.56	-5.15	11.26	<=38.45	Pass
			2	18.76	-5.15	11.46	<=38.45	Pass
			5	18.67	-5.15	11.37	<=38.45	Pass
		3	0	18.64	-5.15	11.34	<=38.45	Pass
			2	18.68	-5.15	11.38	<=38.45	Pass
			3	18.60	-5.15	11.30	<=38.45	Pass
		6	0	18.65	-5.15	11.35	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.2 B26a_3MHz_ERP

1.2.1 Test Result

Band: 26a / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	815.5	1	0	23.62	-5.15	16.32	<=38.45	Pass
			7	23.71	-5.15	16.41	<=38.45	Pass
			14	23.64	-5.15	16.34	<=38.45	Pass
		8	0	22.70	-5.15	15.40	<=38.45	Pass
			4	22.80	-5.15	15.50	<=38.45	Pass
			7	22.72	-5.15	15.42	<=38.45	Pass
		15	0	22.66	-5.15	15.36	<=38.45	Pass
	819	1	0	23.73	-5.15	16.43	<=38.45	Pass
			7	23.82	-5.15	16.52	<=38.45	Pass
			14	23.63	-5.15	16.33	<=38.45	Pass
		8	0	22.71	-5.15	15.41	<=38.45	Pass
			4	22.68	-5.15	15.38	<=38.45	Pass
			7	22.70	-5.15	15.40	<=38.45	Pass

		15	0	22.66	-5.15	15.36	<=38.45	Pass
	822.5	1	0	23.53	-5.15	16.23	<=38.45	Pass
			7	23.61	-5.15	16.31	<=38.45	Pass
			14	23.64	-5.15	16.34	<=38.45	Pass
		8	0	22.61	-5.15	15.31	<=38.45	Pass
			4	22.68	-5.15	15.38	<=38.45	Pass
			7	22.76	-5.15	15.46	<=38.45	Pass
		15	0	22.67	-5.15	15.37	<=38.45	Pass
16QAM	815.5	1	0	23.82	-5.15	16.52	<=38.45	Pass
			7	23.50	-5.15	16.20	<=38.45	Pass
			14	23.76	-5.15	16.46	<=38.45	Pass
		8	0	21.84	-5.15	14.54	<=38.45	Pass
			4	21.86	-5.15	14.56	<=38.45	Pass
			7	21.79	-5.15	14.49	<=38.45	Pass
		15	0	21.72	-5.15	14.42	<=38.45	Pass
	819	1	0	23.52	-5.15	16.22	<=38.45	Pass
			7	23.55	-5.15	16.25	<=38.45	Pass
			14	23.47	-5.15	16.17	<=38.45	Pass
		8	0	21.77	-5.15	14.47	<=38.45	Pass
			4	21.79	-5.15	14.49	<=38.45	Pass
			7	21.70	-5.15	14.40	<=38.45	Pass
		15	0	21.66	-5.15	14.36	<=38.45	Pass
	822.5	1	0	23.44	-5.15	16.14	<=38.45	Pass
			7	23.64	-5.15	16.34	<=38.45	Pass
			14	23.52	-5.15	16.22	<=38.45	Pass
		8	0	21.68	-5.15	14.38	<=38.45	Pass
			4	21.76	-5.15	14.46	<=38.45	Pass
			7	21.73	-5.15	14.43	<=38.45	Pass
		15	0	21.67	-5.15	14.37	<=38.45	Pass
64QAM	815.5	1	0	23.34	-5.15	16.04	<=38.45	Pass
			7	23.32	-5.15	16.02	<=38.45	Pass
			14	23.23	-5.15	15.93	<=38.45	Pass
		8	0	21.71	-5.15	14.41	<=38.45	Pass
			4	21.70	-5.15	14.40	<=38.45	Pass
			7	21.76	-5.15	14.46	<=38.45	Pass
		15	0	21.67	-5.15	14.37	<=38.45	Pass
	819	1	0	23.35	-5.15	16.05	<=38.45	Pass
			7	23.34	-5.15	16.04	<=38.45	Pass
			14	23.15	-5.15	15.85	<=38.45	Pass
		8	0	21.66	-5.15	14.36	<=38.45	Pass
			4	21.68	-5.15	14.38	<=38.45	Pass
			7	21.71	-5.15	14.41	<=38.45	Pass
		15	0	21.67	-5.15	14.37	<=38.45	Pass
	822.5	1	0	23.44	-5.15	16.14	<=38.45	Pass
			7	23.39	-5.15	16.09	<=38.45	Pass
			14	23.19	-5.15	15.89	<=38.45	Pass
		8	0	21.55	-5.15	14.25	<=38.45	Pass
			4	21.76	-5.15	14.46	<=38.45	Pass
			7	21.73	-5.15	14.43	<=38.45	Pass
		15	0	21.67	-5.15	14.37	<=38.45	Pass
256QAM	815.5	1	0	20.59	-5.15	13.29	<=38.45	Pass
			7	20.92	-5.15	13.62	<=38.45	Pass
			14	20.71	-5.15	13.41	<=38.45	Pass
		8	0	20.76	-5.15	13.46	<=38.45	Pass
			4	20.77	-5.15	13.47	<=38.45	Pass
			7	20.69	-5.15	13.39	<=38.45	Pass
		15	0	20.73	-5.15	13.43	<=38.45	Pass
	819	1	0	20.61	-5.15	13.31	<=38.45	Pass
			7	20.84	-5.15	13.54	<=38.45	Pass

			14	20.65	-5.15	13.35	<=38.45	Pass
		8	0	20.60	-5.15	13.30	<=38.45	Pass
			4	20.74	-5.15	13.44	<=38.45	Pass
			7	20.66	-5.15	13.36	<=38.45	Pass
		15	0	20.73	-5.15	13.43	<=38.45	Pass
	822.5	1	0	20.47	-5.15	13.17	<=38.45	Pass
			7	20.92	-5.15	13.62	<=38.45	Pass
			14	20.80	-5.15	13.50	<=38.45	Pass
		8	0	20.64	-5.15	13.34	<=38.45	Pass
			4	20.75	-5.15	13.45	<=38.45	Pass
			7	20.73	-5.15	13.43	<=38.45	Pass
		15	0	20.70	-5.15	13.40	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.3 B26a_5MHz_ERP

1.3.1 Test Result

Band: 26a / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	816.5	1	0	23.65	-5.15	16.35	<=38.45	Pass
			13	23.80	-5.15	16.50	<=38.45	Pass
			24	23.58	-5.15	16.28	<=38.45	Pass
		12	0	22.74	-5.15	15.44	<=38.45	Pass
			6	22.77	-5.15	15.47	<=38.45	Pass
			13	22.65	-5.15	15.35	<=38.45	Pass
		25	0	22.75	-5.15	15.45	<=38.45	Pass
	819	1	0	23.71	-5.15	16.41	<=38.45	Pass
			13	23.81	-5.15	16.51	<=38.45	Pass
			24	23.60	-5.15	16.30	<=38.45	Pass
		12	0	22.64	-5.15	15.34	<=38.45	Pass
			6	22.68	-5.15	15.38	<=38.45	Pass
			13	22.68	-5.15	15.38	<=38.45	Pass
		25	0	22.66	-5.15	15.36	<=38.45	Pass
	821.5	1	0	23.63	-5.15	16.33	<=38.45	Pass
			13	23.57	-5.15	16.27	<=38.45	Pass
			24	23.49	-5.15	16.19	<=38.45	Pass
		12	0	22.61	-5.15	15.31	<=38.45	Pass
			6	22.69	-5.15	15.39	<=38.45	Pass
			13	22.65	-5.15	15.35	<=38.45	Pass
		25	0	22.68	-5.15	15.38	<=38.45	Pass
16QAM	816.5	1	0	23.62	-5.15	16.32	<=38.45	Pass
			13	23.50	-5.15	16.20	<=38.45	Pass
			24	23.45	-5.15	16.15	<=38.45	Pass
		12	0	21.77	-5.15	14.47	<=38.45	Pass
			6	21.84	-5.15	14.54	<=38.45	Pass
			13	21.69	-5.15	14.39	<=38.45	Pass
		25	0	21.72	-5.15	14.42	<=38.45	Pass
	819	1	0	23.60	-5.15	16.30	<=38.45	Pass
			13	23.46	-5.15	16.16	<=38.45	Pass
			24	23.67	-5.15	16.37	<=38.45	Pass
		12	0	21.80	-5.15	14.50	<=38.45	Pass
			6	21.79	-5.15	14.49	<=38.45	Pass
			13	21.71	-5.15	14.41	<=38.45	Pass
		25	0	21.70	-5.15	14.40	<=38.45	Pass
	821.5	1	0	23.53	-5.15	16.23	<=38.45	Pass

			13	23.47	-5.15	16.17	<=38.45	Pass
			24	23.61	-5.15	16.31	<=38.45	Pass
		12	0	21.59	-5.15	14.29	<=38.45	Pass
			6	21.69	-5.15	14.39	<=38.45	Pass
			13	21.70	-5.15	14.40	<=38.45	Pass
		25	0	21.65	-5.15	14.35	<=38.45	Pass
64QAM	816.5	1	0	23.22	-5.15	15.92	<=38.45	Pass
			13	23.54	-5.15	16.24	<=38.45	Pass
			24	23.19	-5.15	15.89	<=38.45	Pass
		12	0	21.73	-5.15	14.43	<=38.45	Pass
			6	21.80	-5.15	14.50	<=38.45	Pass
			13	21.70	-5.15	14.40	<=38.45	Pass
		25	0	21.72	-5.15	14.42	<=38.45	Pass
	819	1	0	23.34	-5.15	16.04	<=38.45	Pass
			13	23.29	-5.15	15.99	<=38.45	Pass
			24	23.27	-5.15	15.97	<=38.45	Pass
		12	0	21.70	-5.15	14.40	<=38.45	Pass
			6	21.68	-5.15	14.38	<=38.45	Pass
			13	21.64	-5.15	14.34	<=38.45	Pass
		25	0	21.73	-5.15	14.43	<=38.45	Pass
	821.5	1	0	23.45	-5.15	16.15	<=38.45	Pass
			13	23.39	-5.15	16.09	<=38.45	Pass
			24	23.32	-5.15	16.02	<=38.45	Pass
		12	0	21.59	-5.15	14.29	<=38.45	Pass
			6	21.80	-5.15	14.50	<=38.45	Pass
			13	21.61	-5.15	14.31	<=38.45	Pass
		25	0	21.68	-5.15	14.38	<=38.45	Pass
256QAM	816.5	1	0	20.91	-5.15	13.61	<=38.45	Pass
			13	20.90	-5.15	13.60	<=38.45	Pass
			24	20.77	-5.15	13.47	<=38.45	Pass
		12	0	20.73	-5.15	13.43	<=38.45	Pass
			6	20.80	-5.15	13.50	<=38.45	Pass
			13	20.78	-5.15	13.48	<=38.45	Pass
		25	0	20.75	-5.15	13.45	<=38.45	Pass
	819	1	0	20.62	-5.15	13.32	<=38.45	Pass
			13	20.81	-5.15	13.51	<=38.45	Pass
			24	20.53	-5.15	13.23	<=38.45	Pass
		12	0	20.74	-5.15	13.44	<=38.45	Pass
			6	20.72	-5.15	13.42	<=38.45	Pass
			13	20.63	-5.15	13.33	<=38.45	Pass
		25	0	20.66	-5.15	13.36	<=38.45	Pass
	821.5	1	0	20.67	-5.15	13.37	<=38.45	Pass
			13	20.90	-5.15	13.60	<=38.45	Pass
			24	20.73	-5.15	13.43	<=38.45	Pass
		12	0	20.60	-5.15	13.30	<=38.45	Pass
			6	20.77	-5.15	13.47	<=38.45	Pass
			13	20.73	-5.15	13.43	<=38.45	Pass
		25	0	20.73	-5.15	13.43	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.4 B26a_10MHz_ERP

1.4.1 Test Result

Band: 26a / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	819	1	0	23.78	-5.15	16.48	<=38.45	Pass
			25	23.64	-5.15	16.34	<=38.45	Pass
			49	23.53	-5.15	16.23	<=38.45	Pass
		25	0	22.69	-5.15	15.39	<=38.45	Pass
			13	22.76	-5.15	15.46	<=38.45	Pass
			25	22.68	-5.15	15.38	<=38.45	Pass
		50	0	22.77	-5.15	15.47	<=38.45	Pass
16QAM	819	1	0	23.65	-5.15	16.35	<=38.45	Pass
			25	23.53	-5.15	16.23	<=38.45	Pass
			49	23.70	-5.15	16.40	<=38.45	Pass
		25	0	21.69	-5.15	14.39	<=38.45	Pass
			13	21.72	-5.15	14.42	<=38.45	Pass
			25	21.67	-5.15	14.37	<=38.45	Pass
		50	0	21.71	-5.15	14.41	<=38.45	Pass
64QAM	819	1	0	23.40	-5.15	16.10	<=38.45	Pass
			25	23.30	-5.15	16.00	<=38.45	Pass
			49	23.30	-5.15	16.00	<=38.45	Pass
		25	0	21.77	-5.15	14.47	<=38.45	Pass
			13	21.72	-5.15	14.42	<=38.45	Pass
			25	21.76	-5.15	14.46	<=38.45	Pass
		50	0	21.64	-5.15	14.34	<=38.45	Pass
256QAM	819	1	0	20.70	-5.15	13.40	<=38.45	Pass
			25	20.82	-5.15	13.52	<=38.45	Pass
			49	20.70	-5.15	13.40	<=38.45	Pass
		25	0	20.67	-5.15	13.37	<=38.45	Pass
			13	20.67	-5.15	13.37	<=38.45	Pass
			25	20.72	-5.15	13.42	<=38.45	Pass
		50	0	20.71	-5.15	13.41	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B26a_10MHz

2.1.1 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	3.6	-0.600	-0.0007	/	Pass
					3.86	-0.200	-0.0002	/	Pass
					4.3	-0.500	-0.0006	/	Pass
				-30	3.86	0.000	0.0000	/	Pass
				-20	3.86	0.200	0.0002	/	Pass
				-10	3.86	-1.300	-0.0016	/	Pass
				0	3.86	-0.700	-0.0009	/	Pass
				10	3.86	-0.100	-0.0001	/	Pass
				30	3.86	-0.800	-0.0010	/	Pass
				40	3.86	-0.500	-0.0006	/	Pass
				50	3.86	0.800	0.0010	/	Pass

3. 99% & 26dB Bandwidth

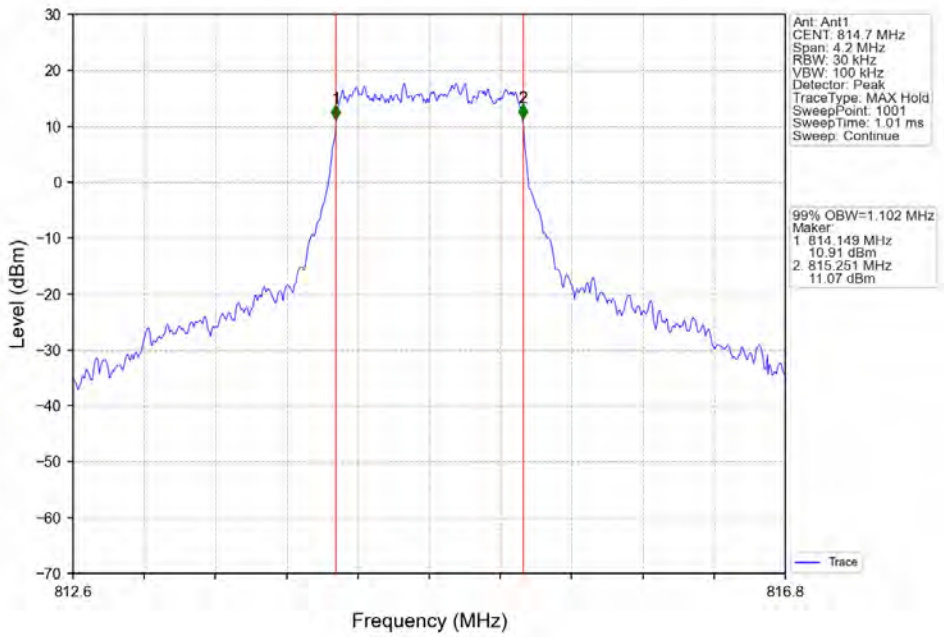
3.1 Band26a_OBW

3.1.1 Test Result

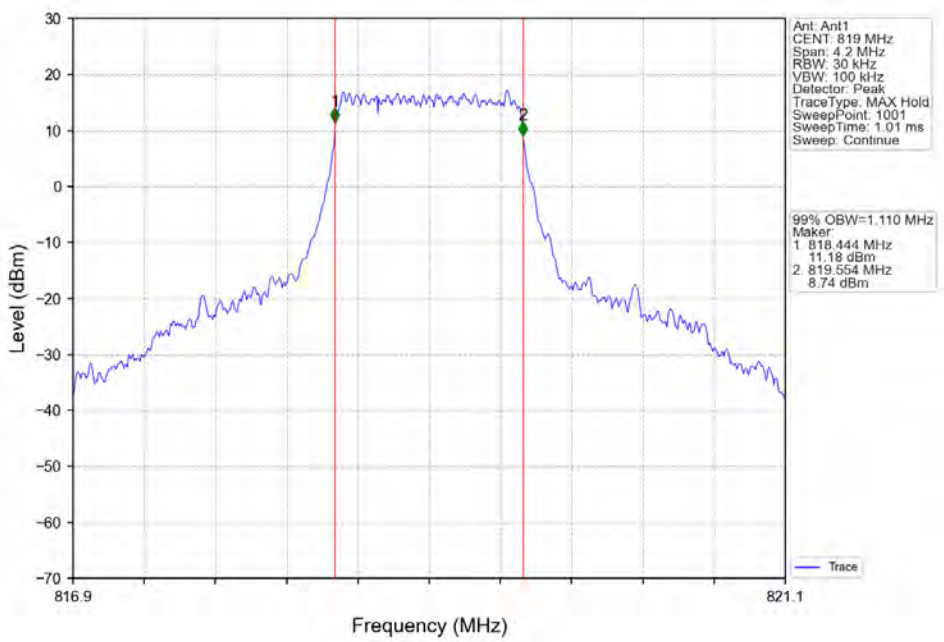
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.102	/	Pass
		819	6	0	1.110	/	Pass
		823.3	6	0	1.103	/	Pass
	16QAM	814.7	6	0	1.104	/	Pass
		819	6	0	1.116	/	Pass
		823.3	6	0	1.107	/	Pass
	64QAM	814.7	6	0	1.101	/	Pass
		819	6	0	1.105	/	Pass
		823.3	6	0	1.107	/	Pass
	256QAM	814.7	6	0	1.104	/	Pass
		819	6	0	1.102	/	Pass
		823.3	6	0	1.107	/	Pass
3	QPSK	815.5	15	0	2.742	/	Pass
		819	15	0	2.755	/	Pass
		822.5	15	0	2.747	/	Pass
	16QAM	815.5	15	0	2.751	/	Pass
		819	15	0	2.747	/	Pass
		822.5	15	0	2.743	/	Pass
	64QAM	815.5	15	0	2.737	/	Pass
		819	15	0	2.743	/	Pass
		822.5	15	0	2.747	/	Pass
	256QAM	815.5	15	0	2.742	/	Pass
		819	15	0	2.742	/	Pass
		822.5	15	0	2.747	/	Pass
5	QPSK	816.5	25	0	4.511	/	Pass
		819	25	0	4.514	/	Pass
		821.5	25	0	4.512	/	Pass
	16QAM	816.5	25	0	4.504	/	Pass
		819	25	0	4.525	/	Pass
		821.5	25	0	4.516	/	Pass
	64QAM	816.5	25	0	4.507	/	Pass
		819	25	0	4.511	/	Pass
		821.5	25	0	4.507	/	Pass
	256QAM	816.5	25	0	4.511	/	Pass
		819	25	0	4.502	/	Pass
		821.5	25	0	4.530	/	Pass
10	QPSK	819	50	0	9.003	/	Pass
	16QAM	819	50	0	8.959	/	Pass
	64QAM	819	50	0	8.967	/	Pass
	256QAM	819	50	0	8.997	/	Pass

3.1.2 Test Graph

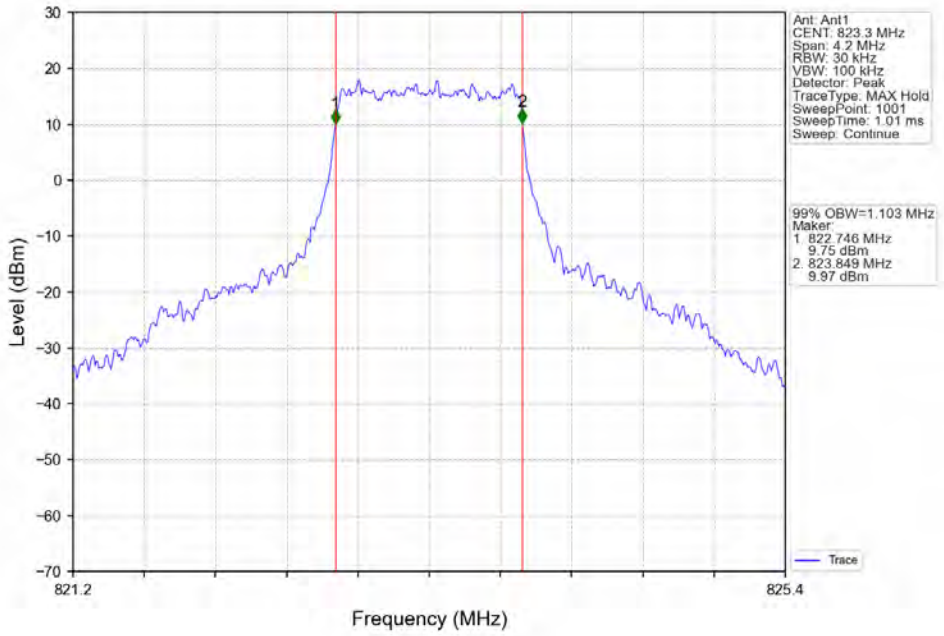
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV



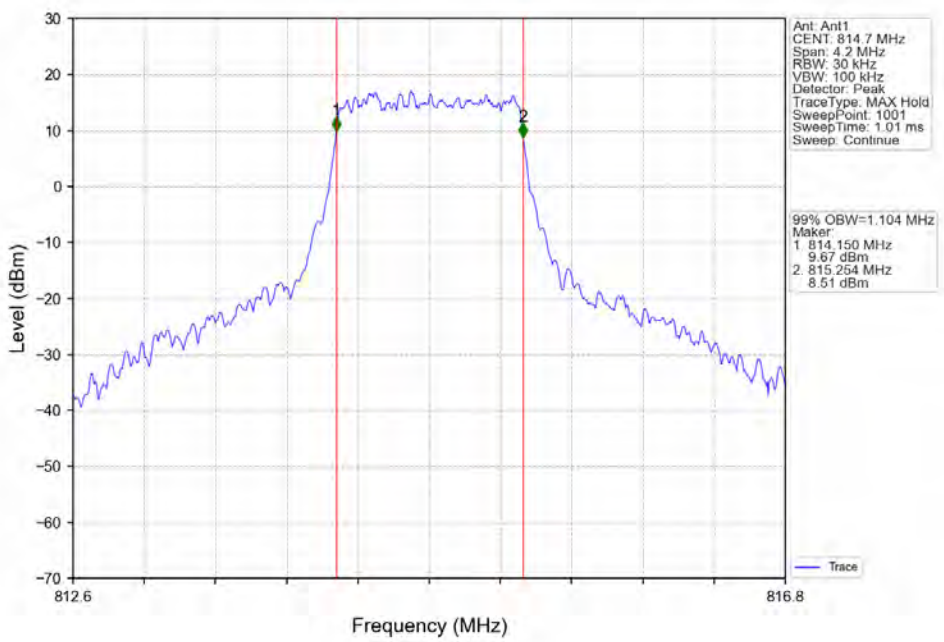
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV



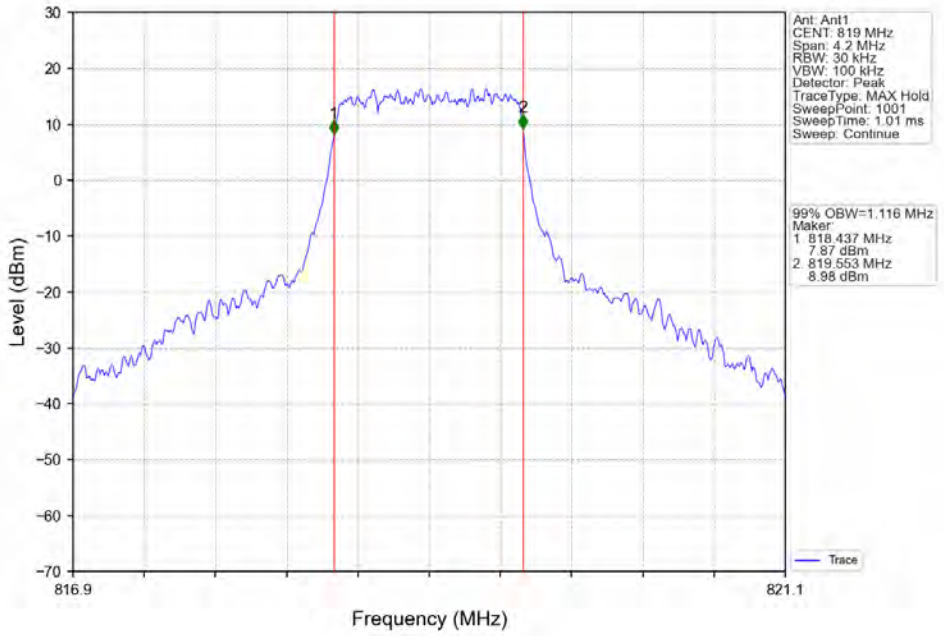
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



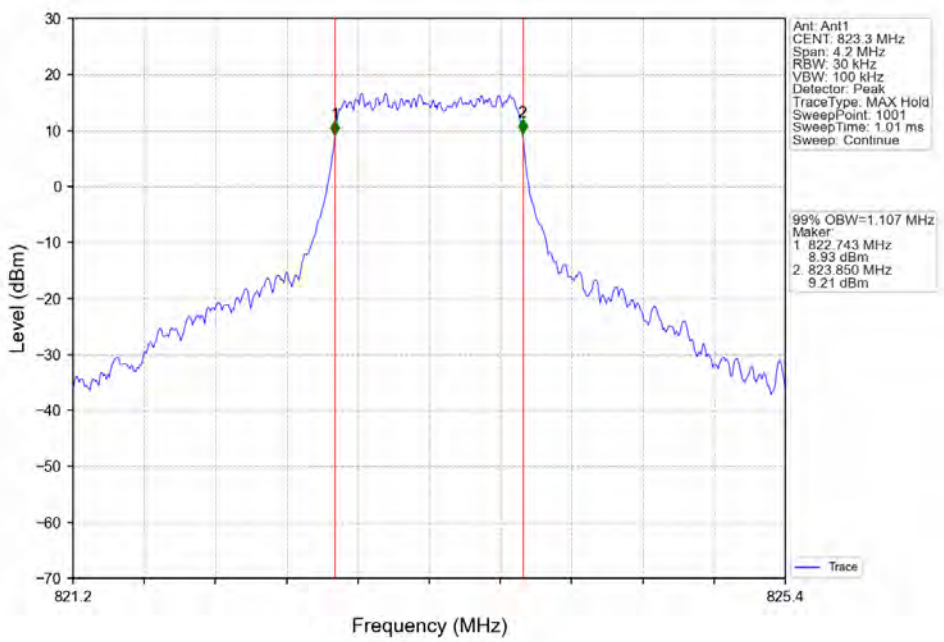
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV



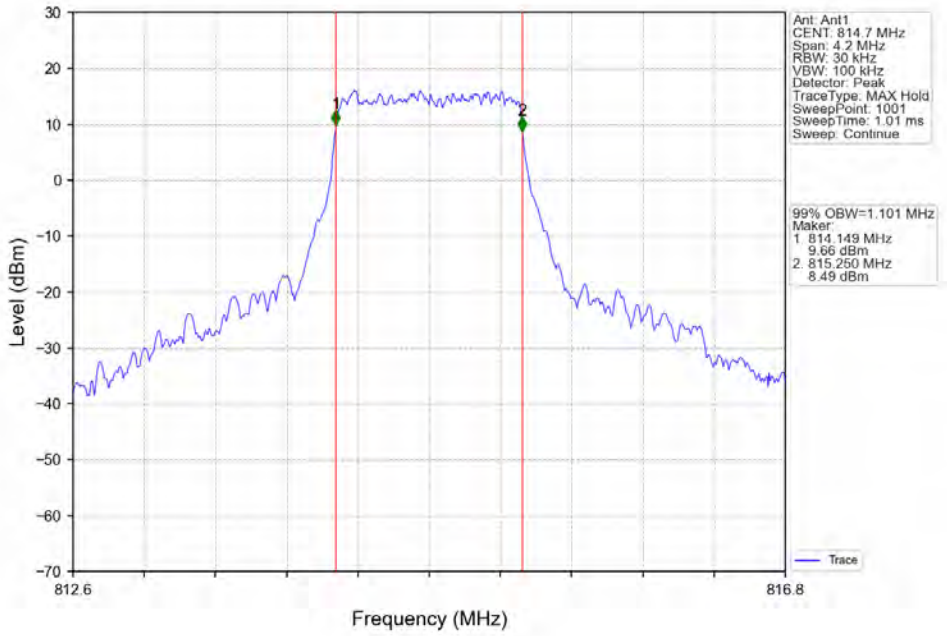
Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV



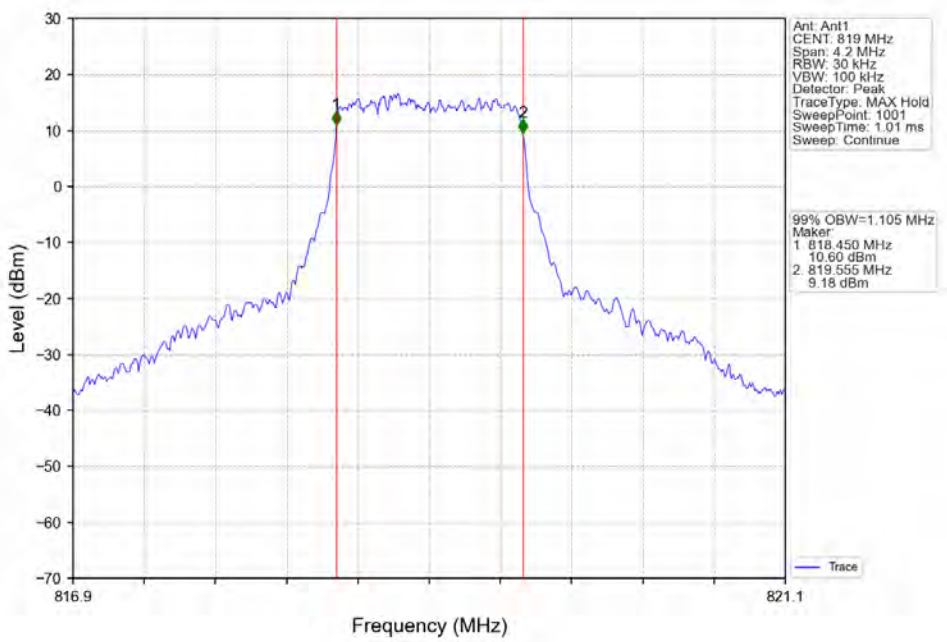
Band26a_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV



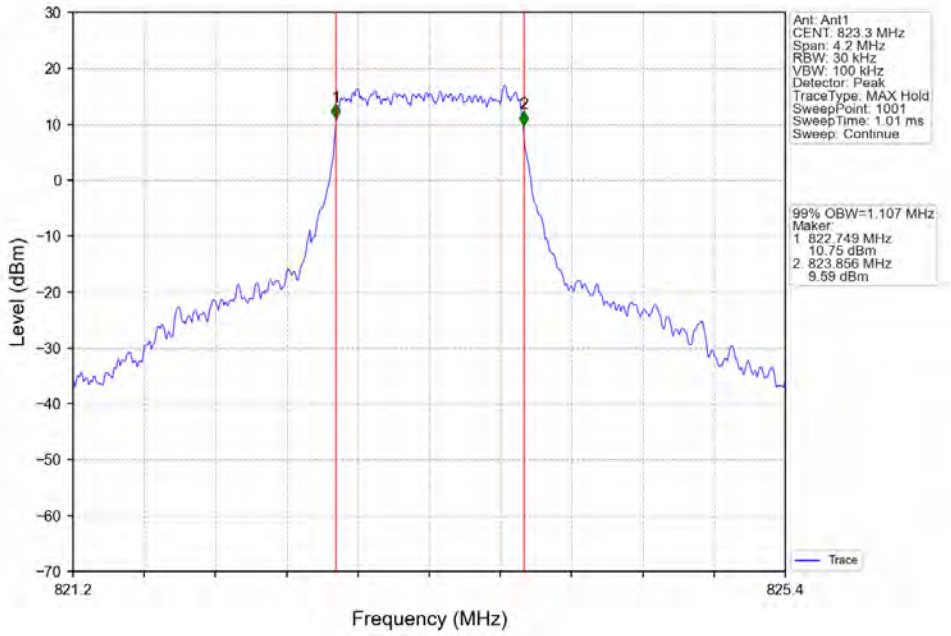
Band26a_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV



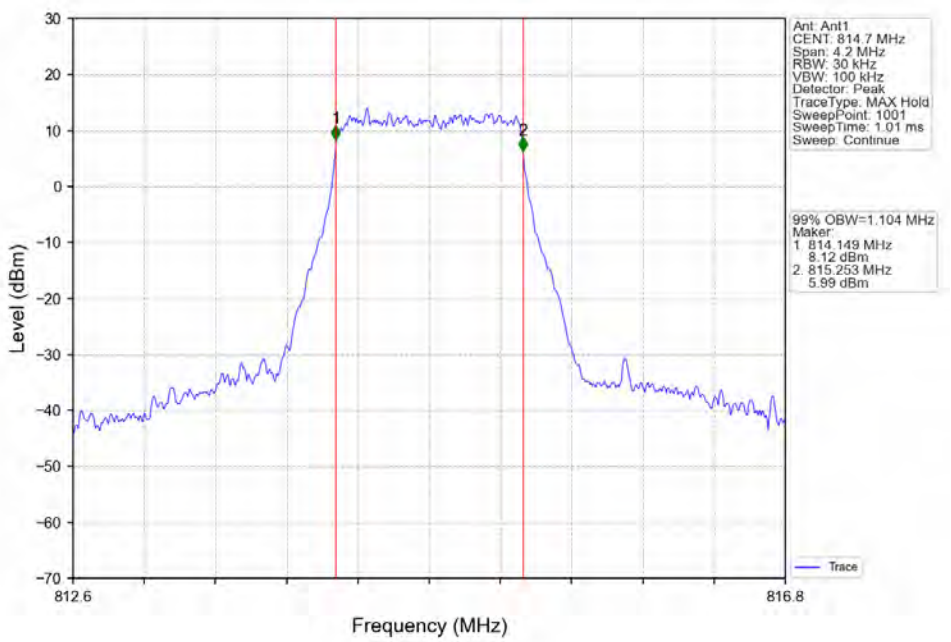
Band26a_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV



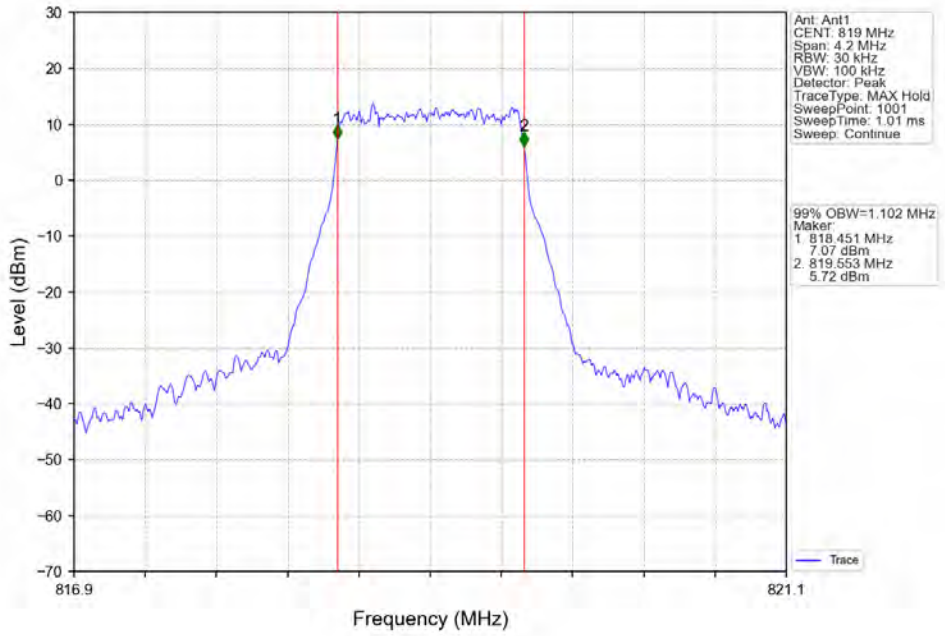
Band26a_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV



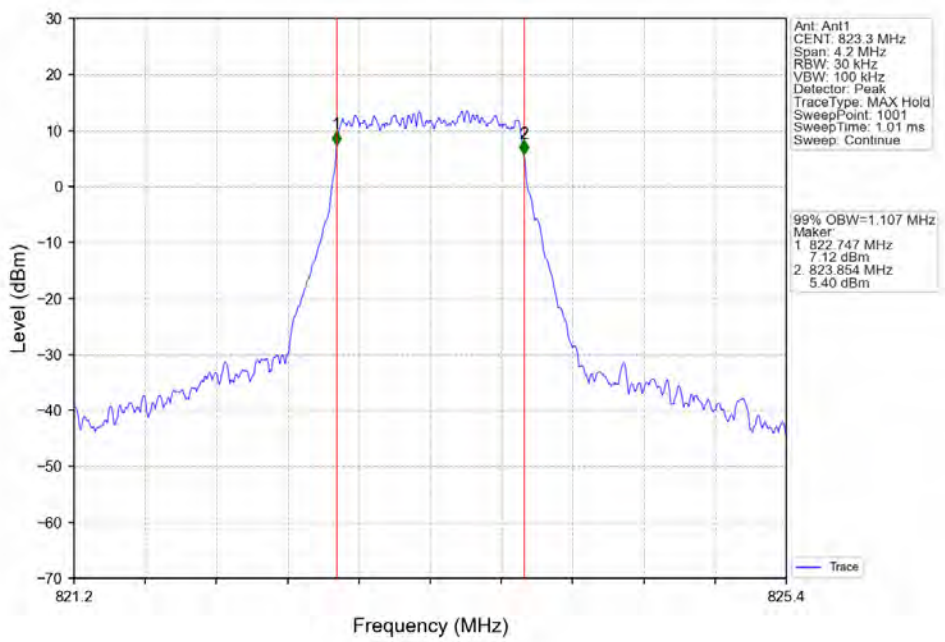
Band26a_1.4MHz_256QAM_LCH_814.7MHz_RB_6_0_NTNV



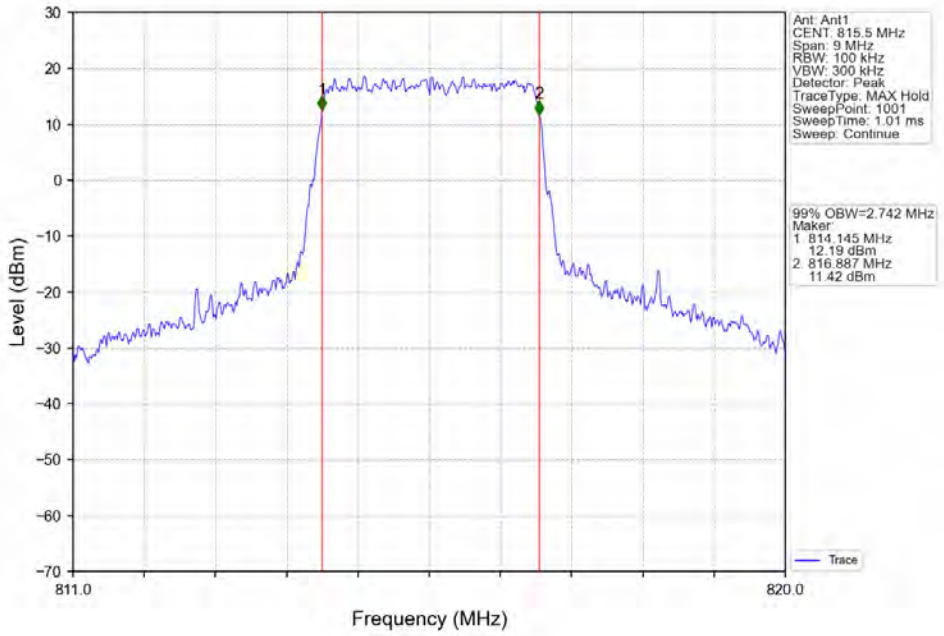
Band26a_1.4MHz_256QAM_MCH_819MHz_RB_6_0_NTNV



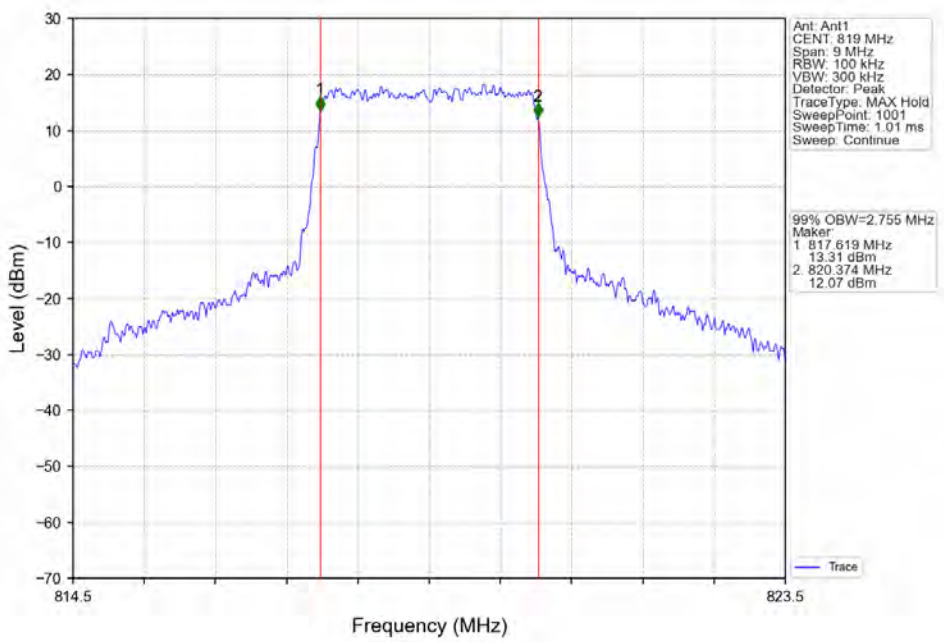
Band26a_1.4MHz_256QAM_HCH_823.3MHz_RB_6_0_NTNV



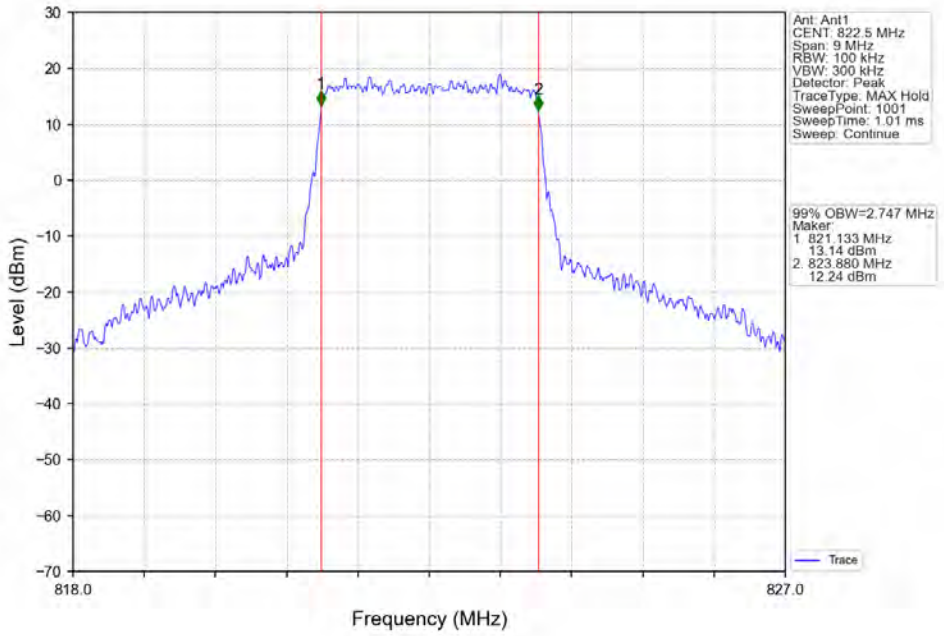
Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



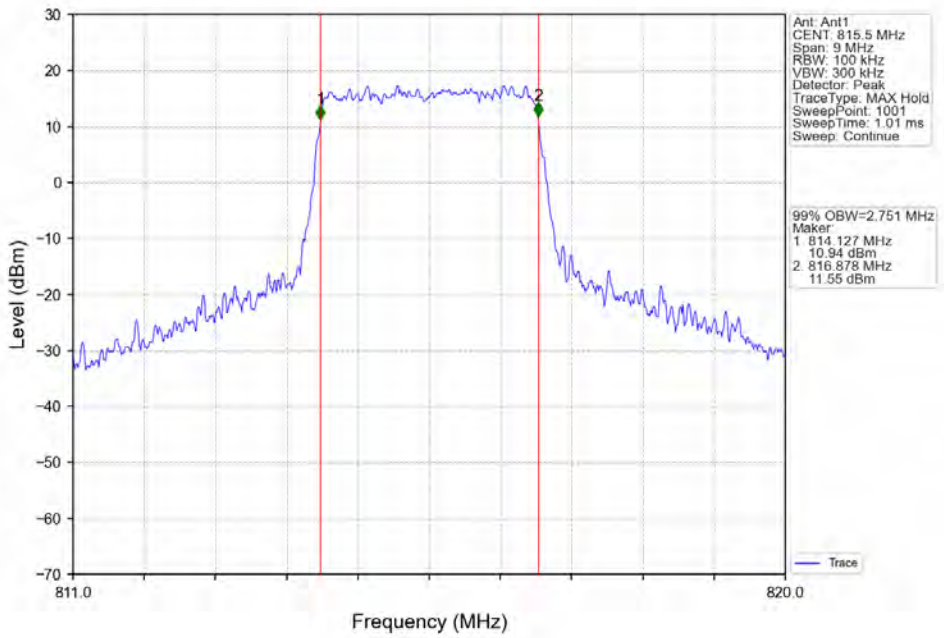
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



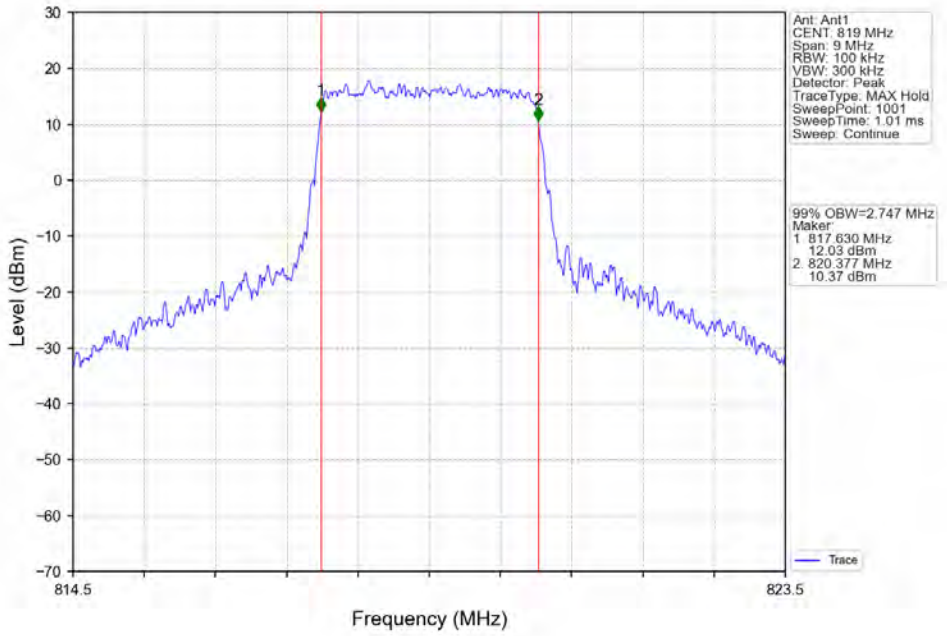
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV



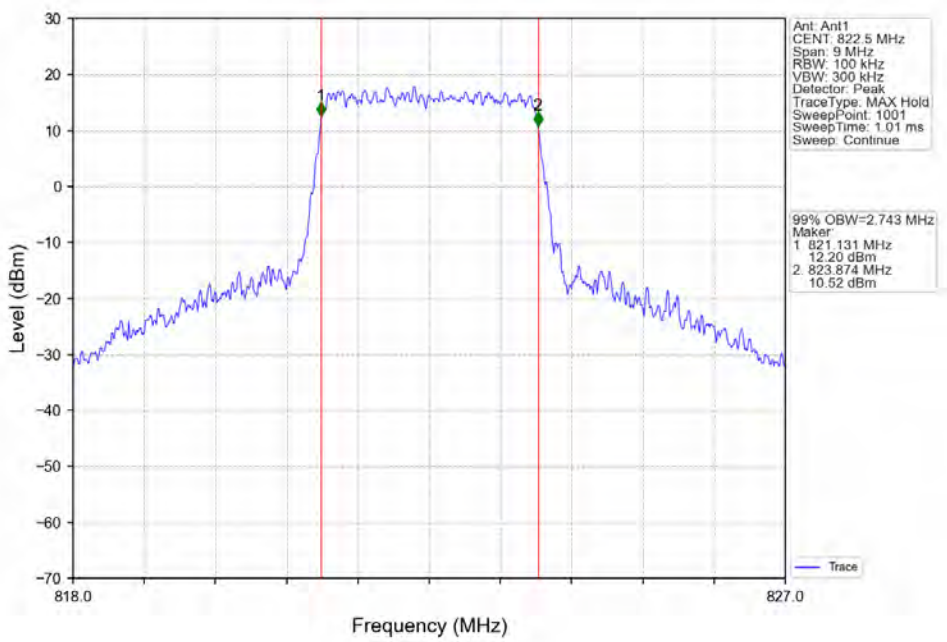
Band26a_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV



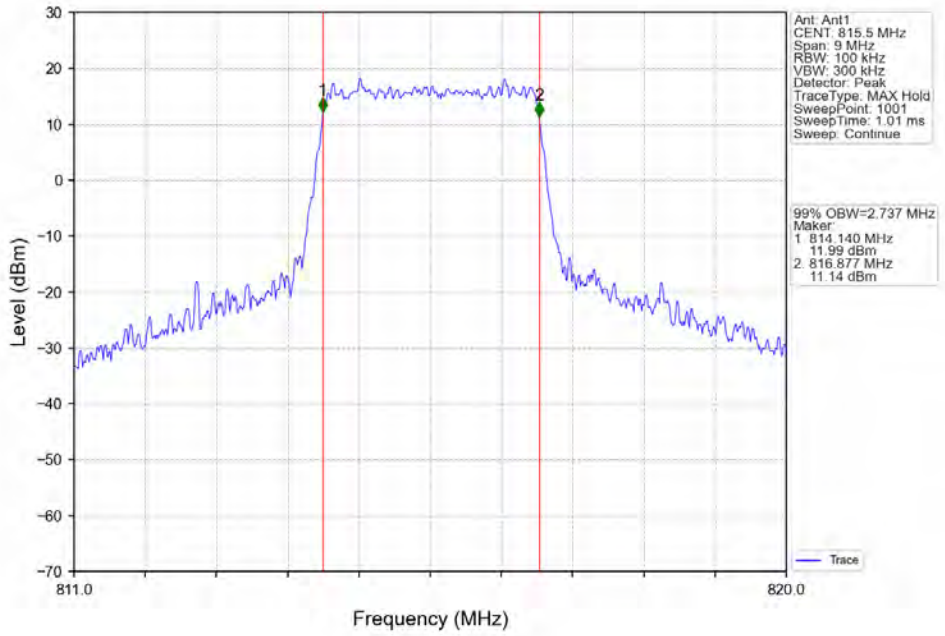
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



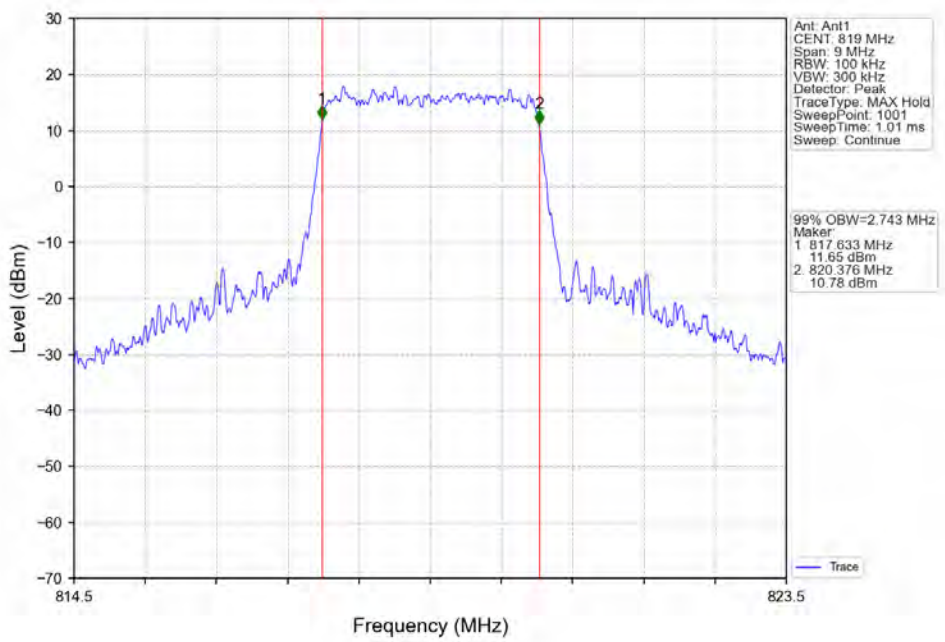
Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV



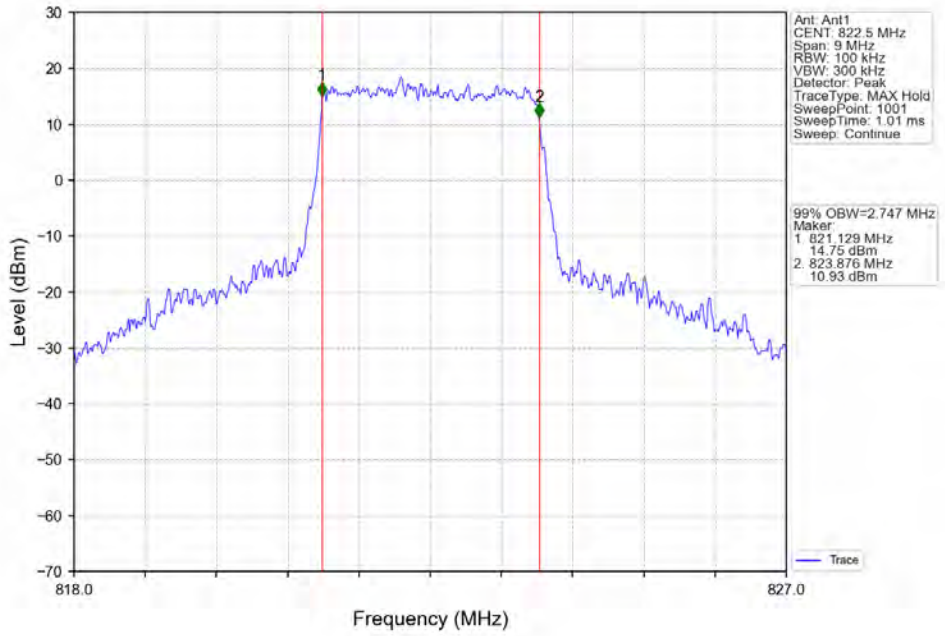
Band26a_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV



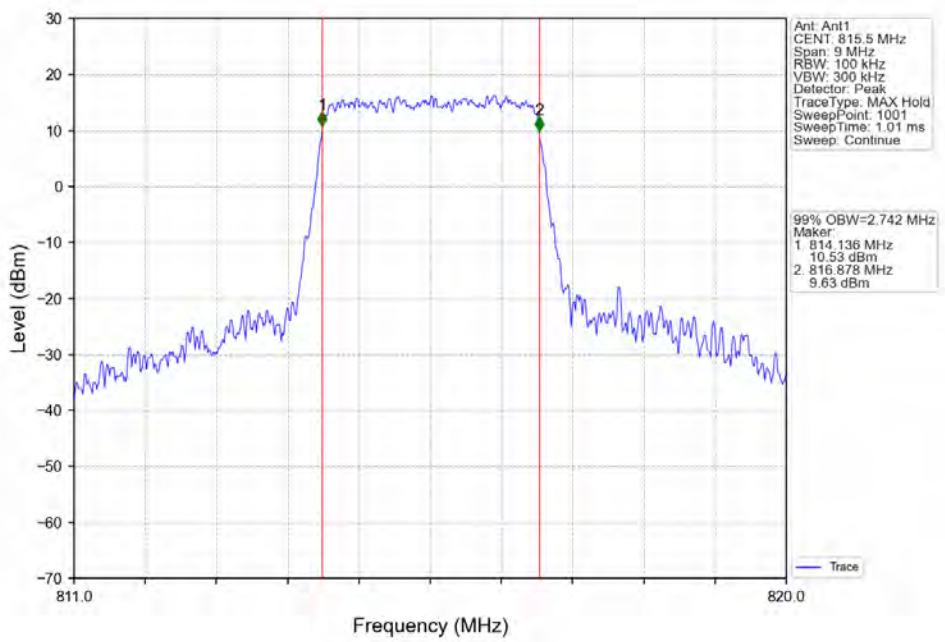
Band26a_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV



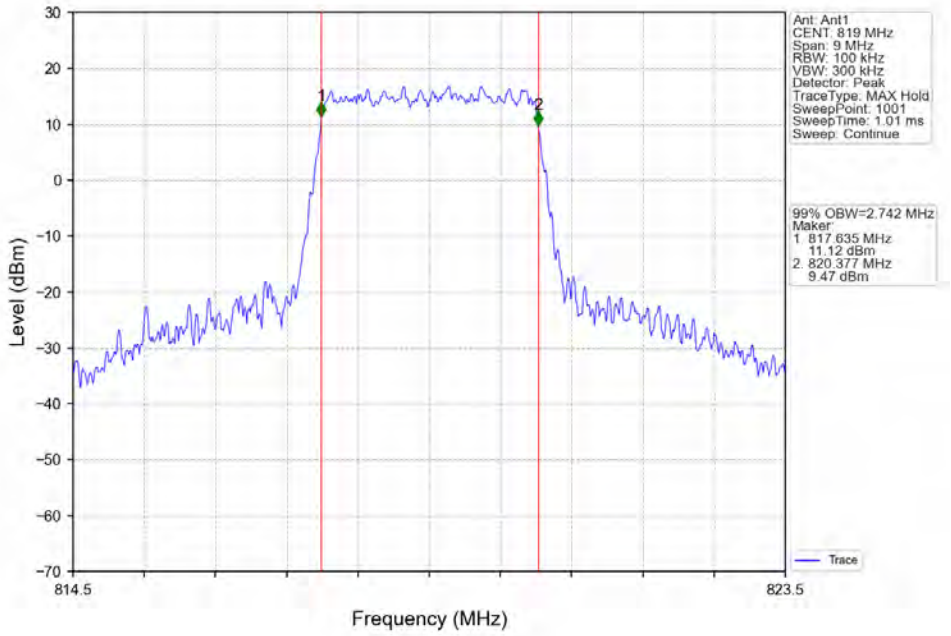
Band26a_3MHz_64QAM_HCH_822.5MHz_RB_15_0_NTNV



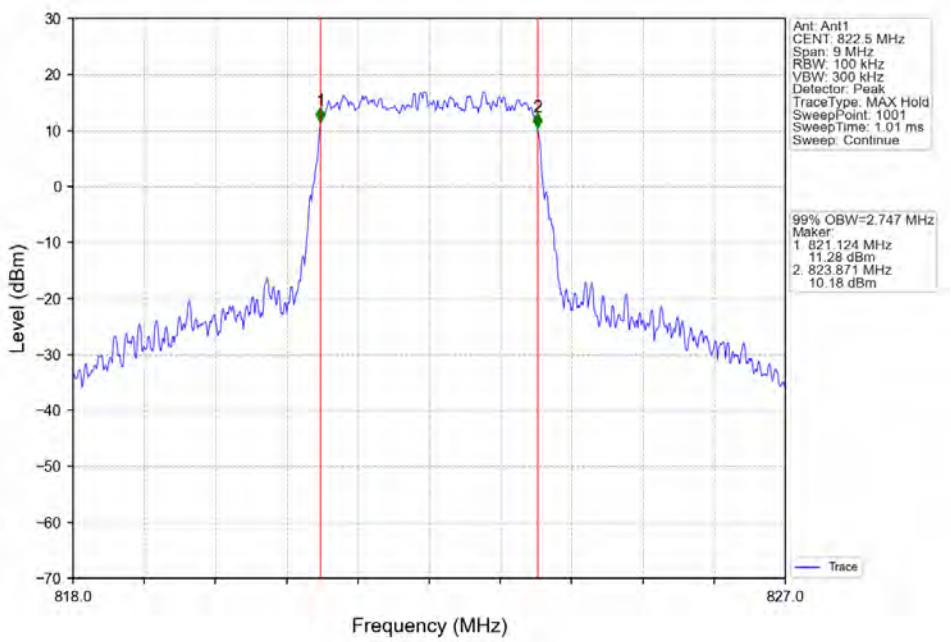
Band26a_3MHz_256QAM_LCH_815.5MHz_RB_15_0_NTNV



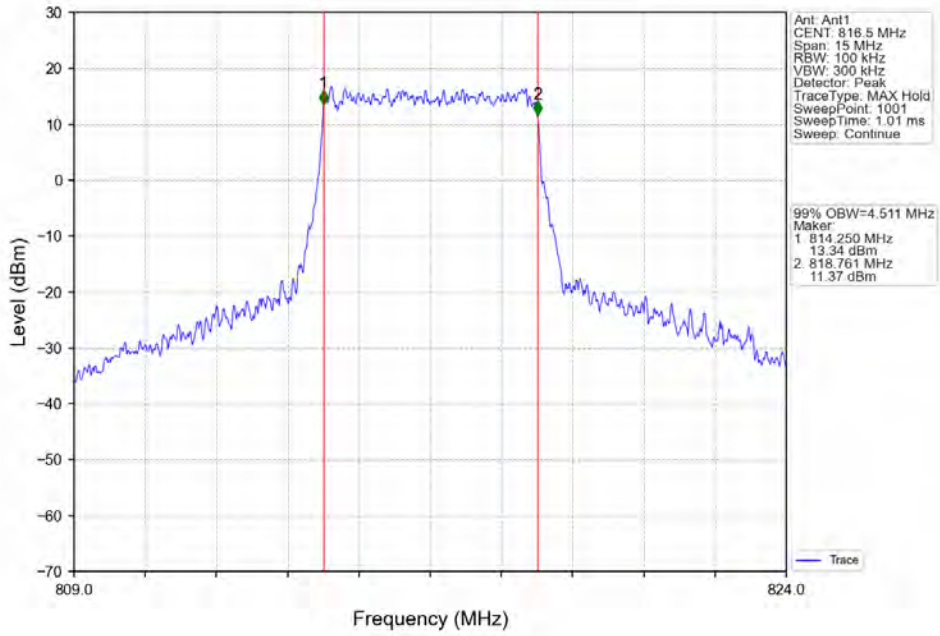
Band26a_3MHz_256QAM_MCH_819MHz_RB_15_0_NTNV



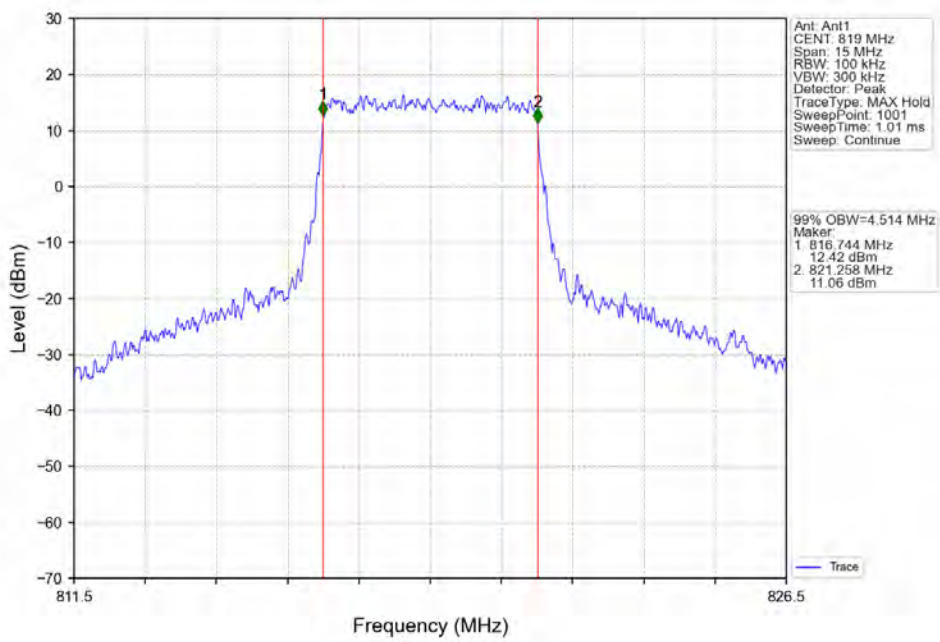
Band26a_3MHz_256QAM_HCH_822.5MHz_RB_15_0_NTNV



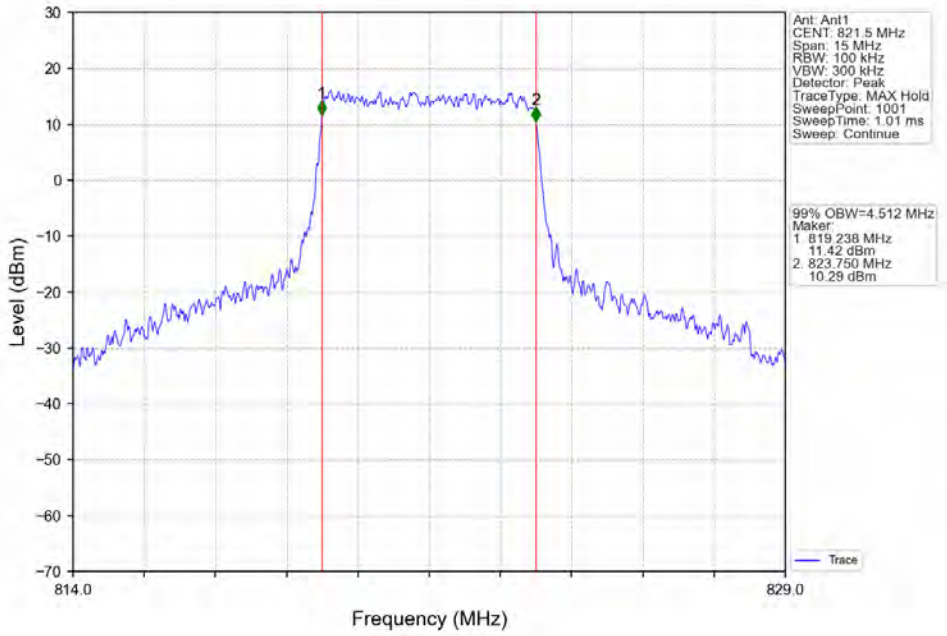
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



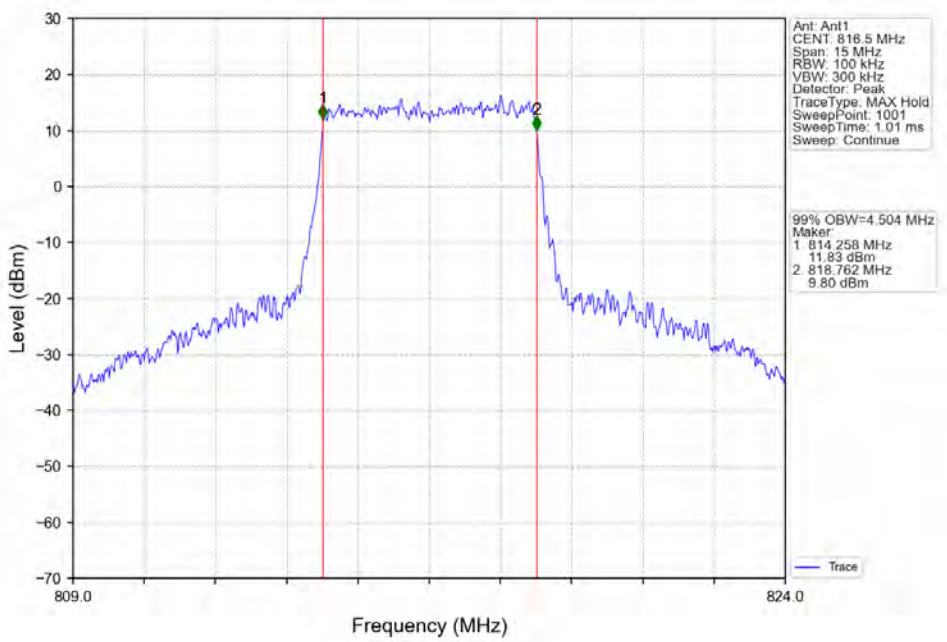
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



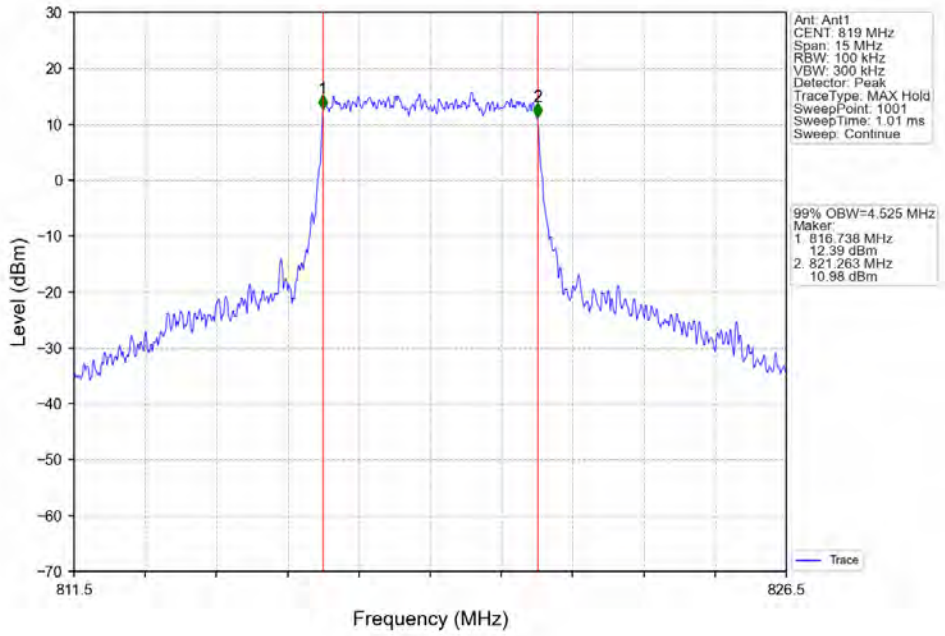
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



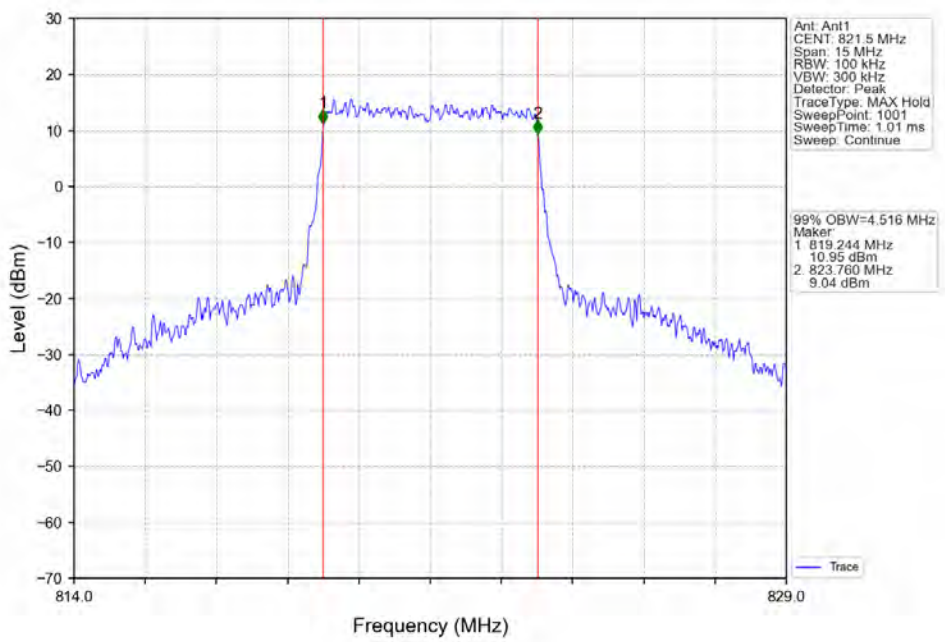
Band26a_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV



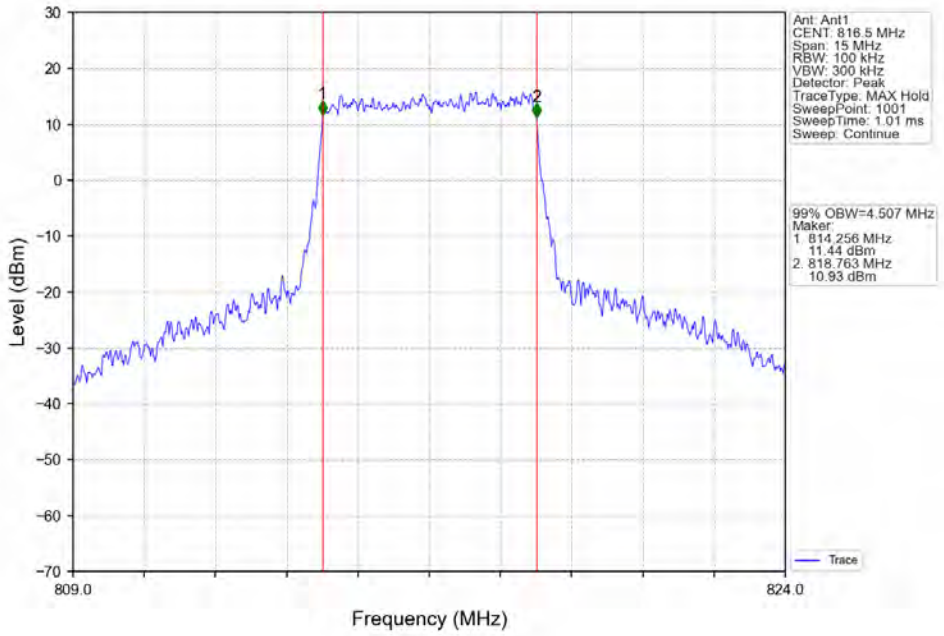
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



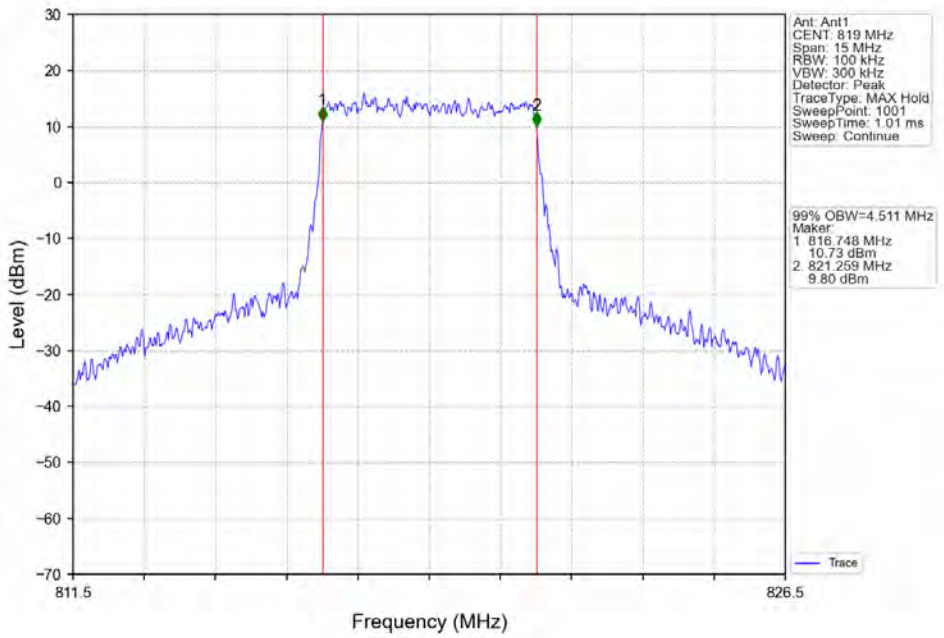
Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



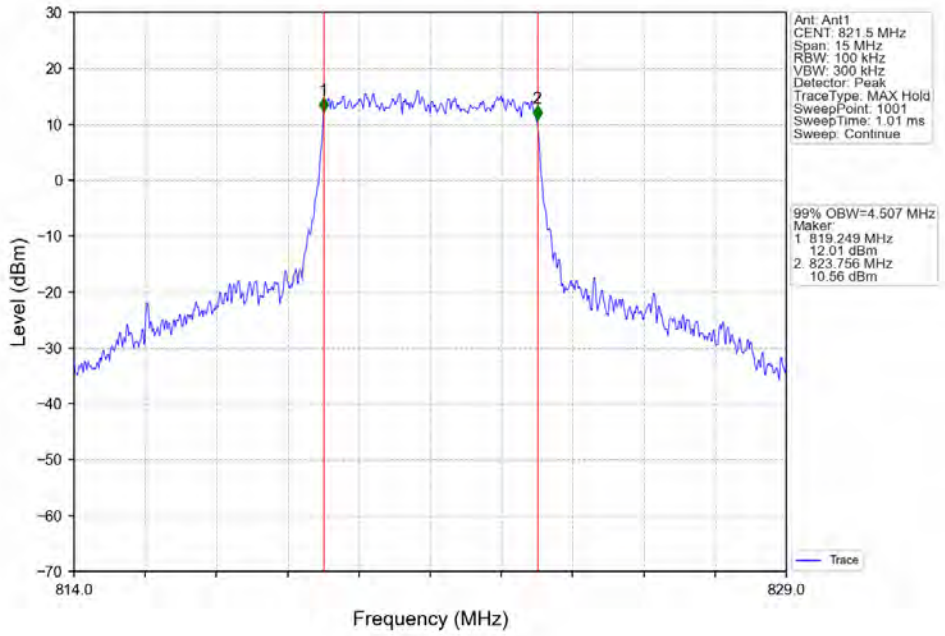
Band26a_5MHz_64QAM_LCH_816.5MHz_RB_25_0_NTNV



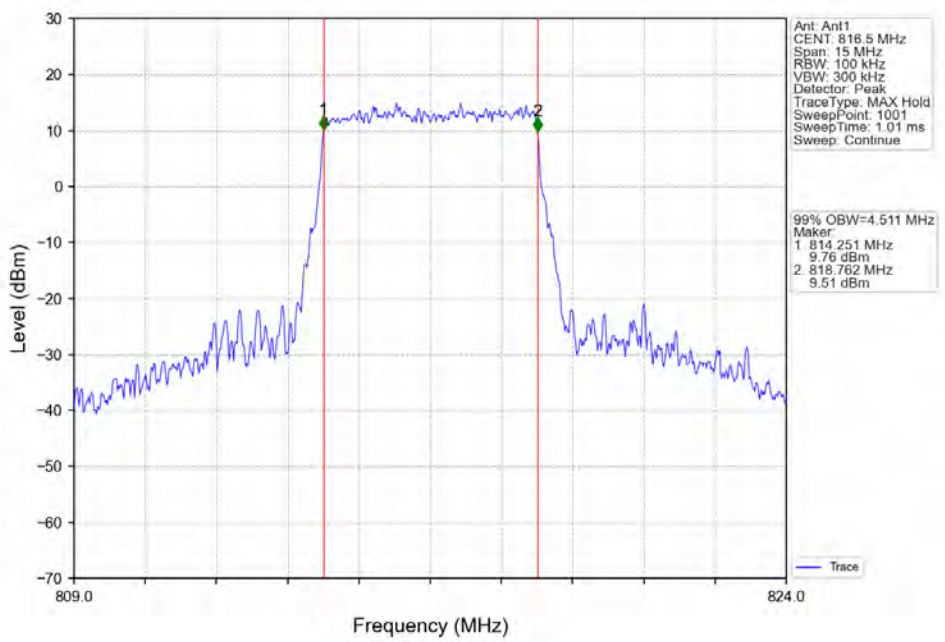
Band26a_5MHz_64QAM_MCH_819MHz_RB_25_0_NTNV



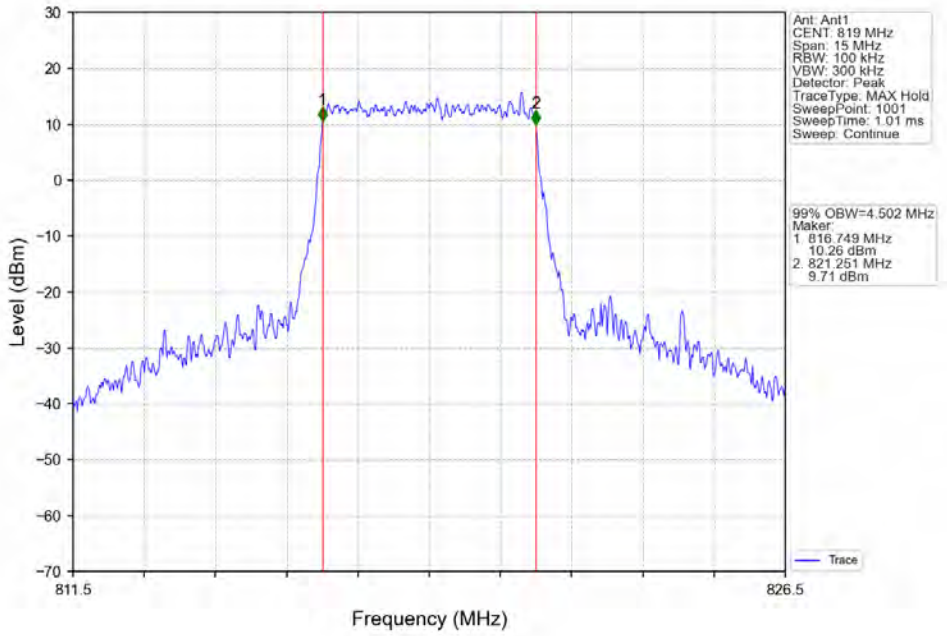
Band26a_5MHz_64QAM_HCH_821.5MHz_RB_25_0_NTNV



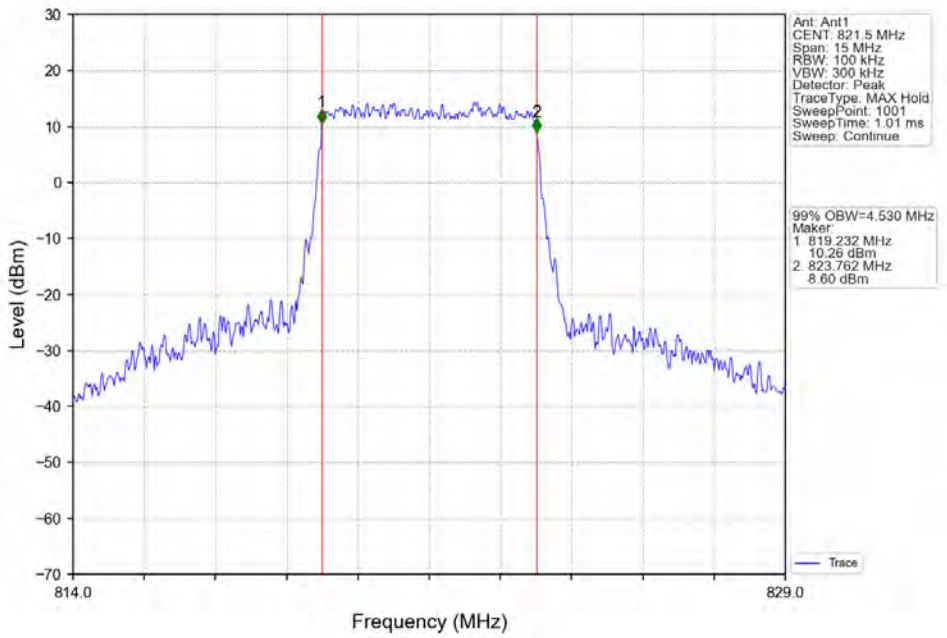
Band26a_5MHz_256QAM_LCH_816.5MHz_RB_25_0_NTNV



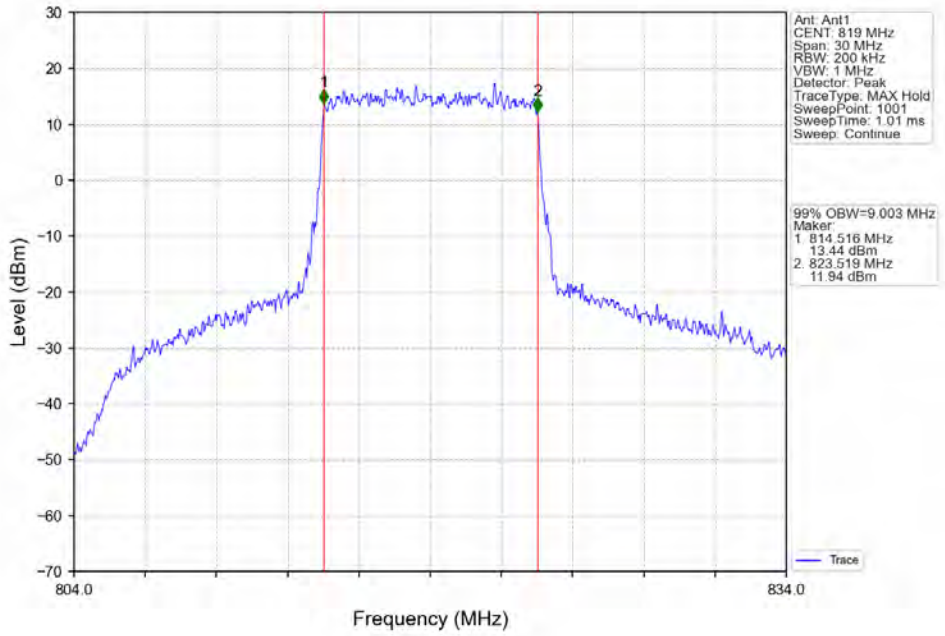
Band26a_5MHz_256QAM_MCH_819MHz_RB_25_0_NTNV



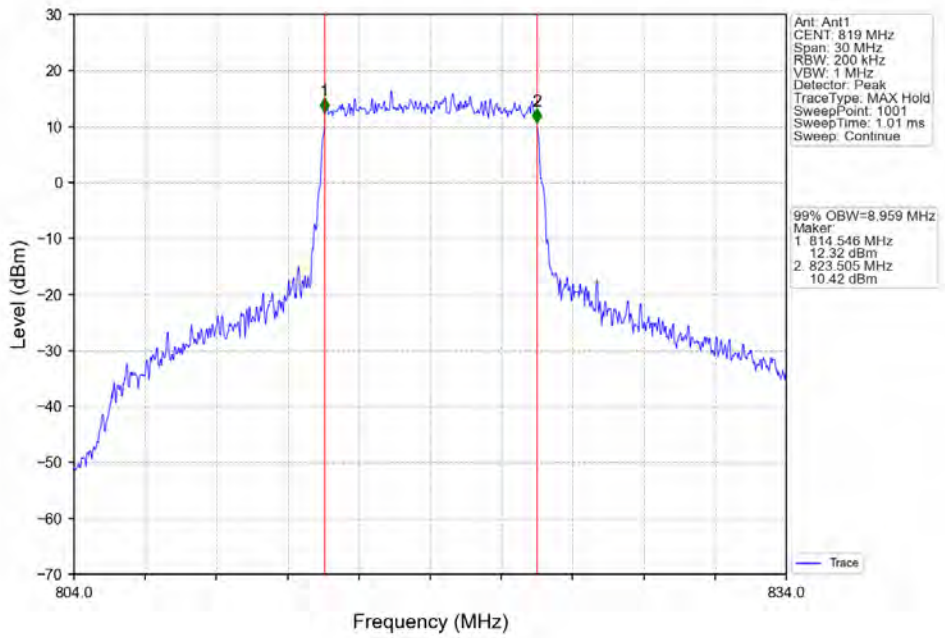
Band26a_5MHz_256QAM_HCH_821.5MHz_RB_25_0_NTNV



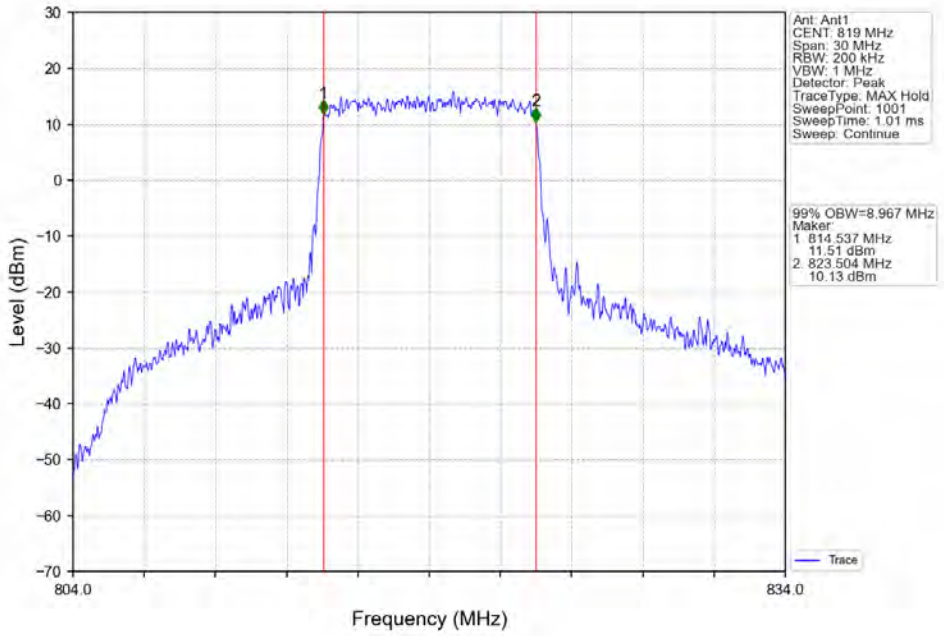
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



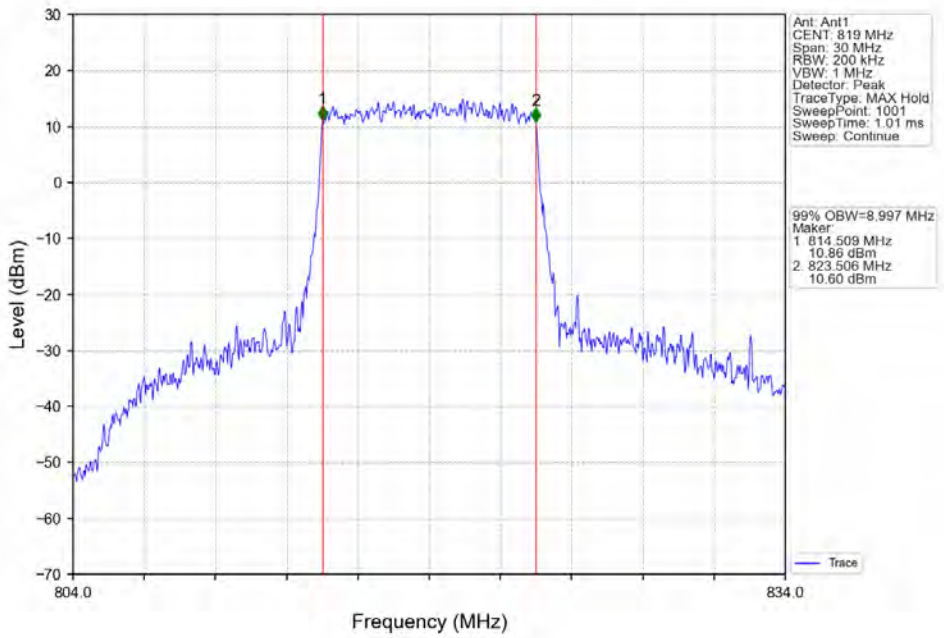
Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



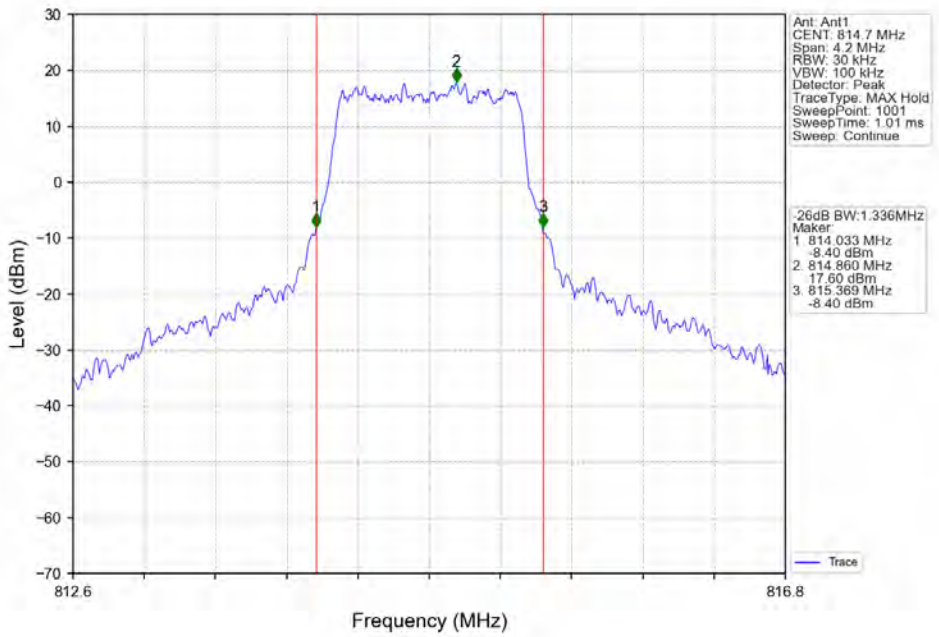
3.2 Band26a_XDB

3.2.1 Test Result

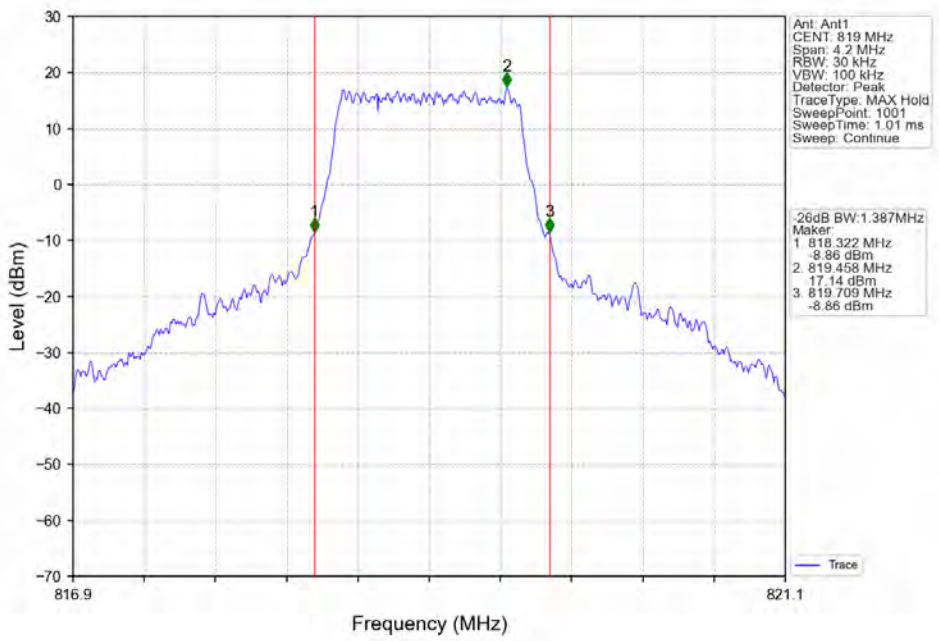
Band: 26a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	814.7	6	0	1.336	/	Pass
		819	6	0	1.387	/	Pass
		823.3	6	0	1.361	/	Pass
	16QAM	814.7	6	0	1.377	/	Pass
		819	6	0	1.396	/	Pass
		823.3	6	0	1.374	/	Pass
	64QAM	814.7	6	0	1.380	/	Pass
		819	6	0	1.382	/	Pass
		823.3	6	0	1.381	/	Pass
	256QAM	814.7	6	0	1.336	/	Pass
		819	6	0	1.366	/	Pass
		823.3	6	0	1.349	/	Pass
3	QPSK	815.5	15	0	3.128	/	Pass
		819	15	0	3.168	/	Pass
		822.5	15	0	3.142	/	Pass
	16QAM	815.5	15	0	3.138	/	Pass
		819	15	0	3.103	/	Pass
		822.5	15	0	3.082	/	Pass
	64QAM	815.5	15	0	3.101	/	Pass
		819	15	0	3.089	/	Pass
		822.5	15	0	3.100	/	Pass
	256QAM	815.5	15	0	3.167	/	Pass
		819	15	0	3.105	/	Pass
		822.5	15	0	3.121	/	Pass
5	QPSK	816.5	25	0	5.173	/	Pass
		819	25	0	5.182	/	Pass
		821.5	25	0	5.201	/	Pass
	16QAM	816.5	25	0	5.140	/	Pass
		819	25	0	5.093	/	Pass
		821.5	25	0	5.100	/	Pass
	64QAM	816.5	25	0	5.076	/	Pass
		819	25	0	5.080	/	Pass
		821.5	25	0	5.128	/	Pass
	256QAM	816.5	25	0	5.154	/	Pass
		819	25	0	5.008	/	Pass
		821.5	25	0	5.152	/	Pass
10	QPSK	819	50	0	9.960	/	Pass
	16QAM	819	50	0	9.794	/	Pass
	64QAM	819	50	0	9.953	/	Pass
	256QAM	819	50	0	9.849	/	Pass

3.2.2 Test Graph

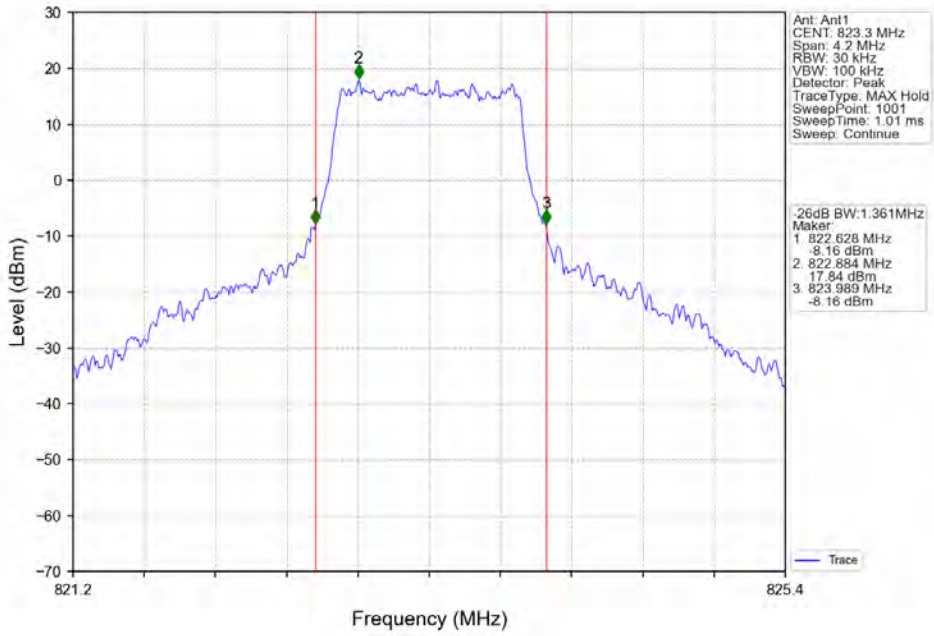
Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV



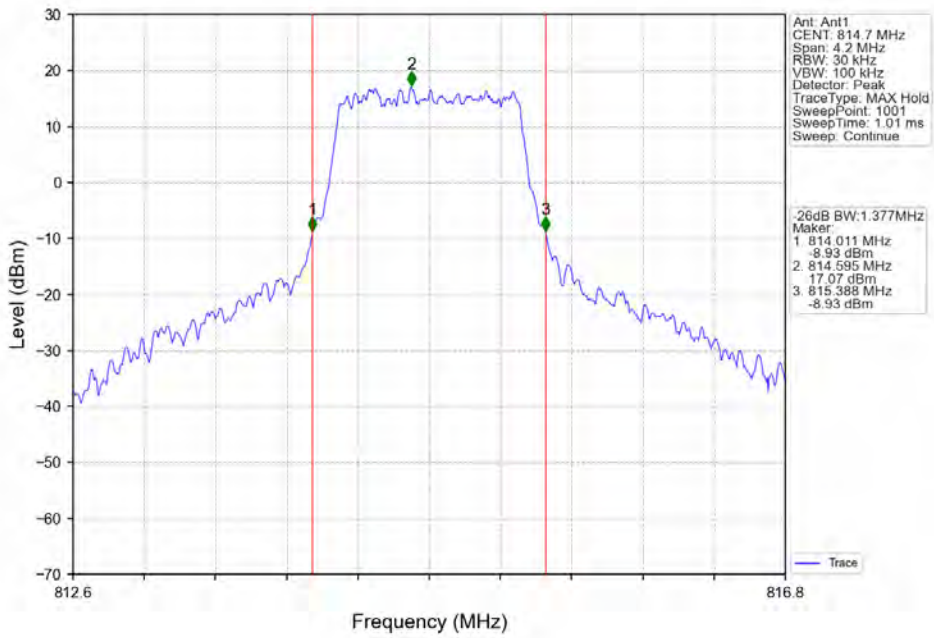
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_6_0_NTNV



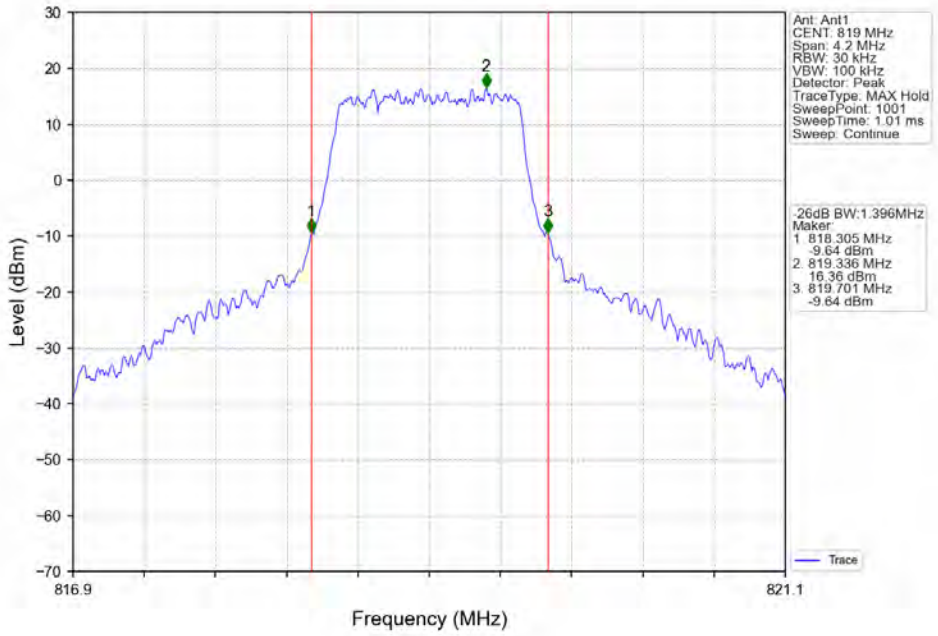
Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_6_0_NTNV



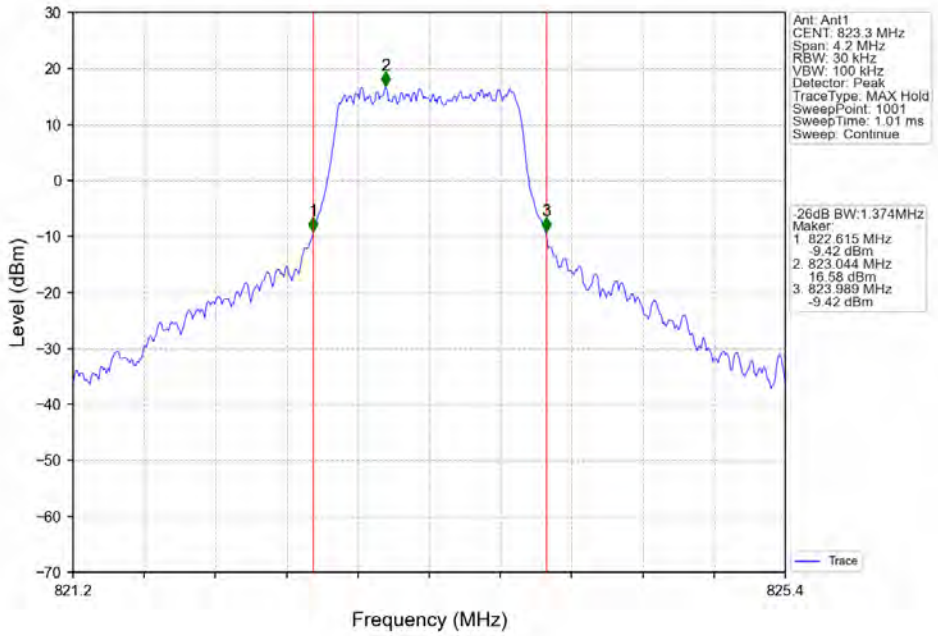
Band26a_1.4MHz_16QAM_LCH_814.7MHz_RB_6_0_NTNV



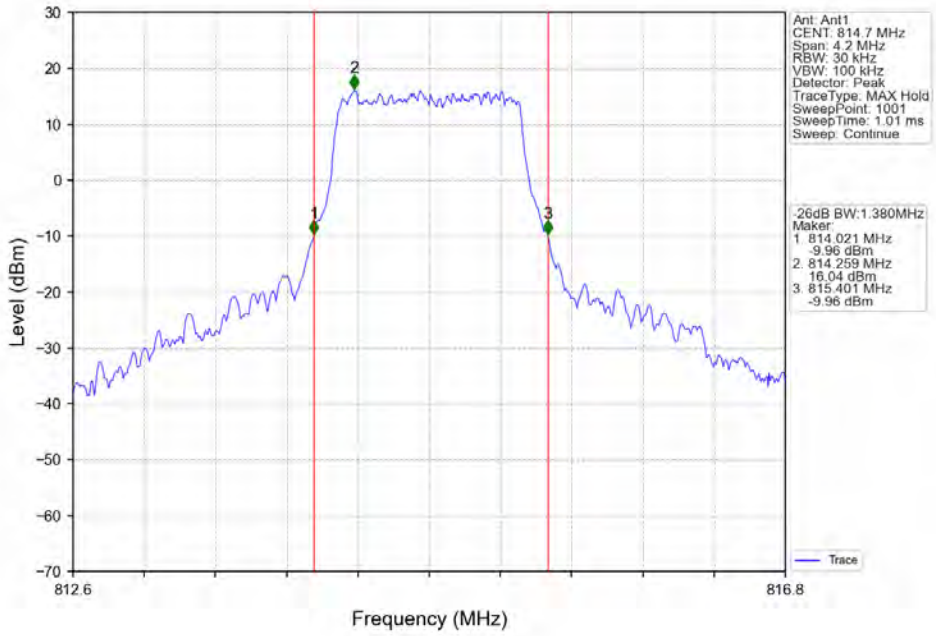
Band26a_1.4MHz_16QAM_MCH_819MHz_RB_6_0_NTNV



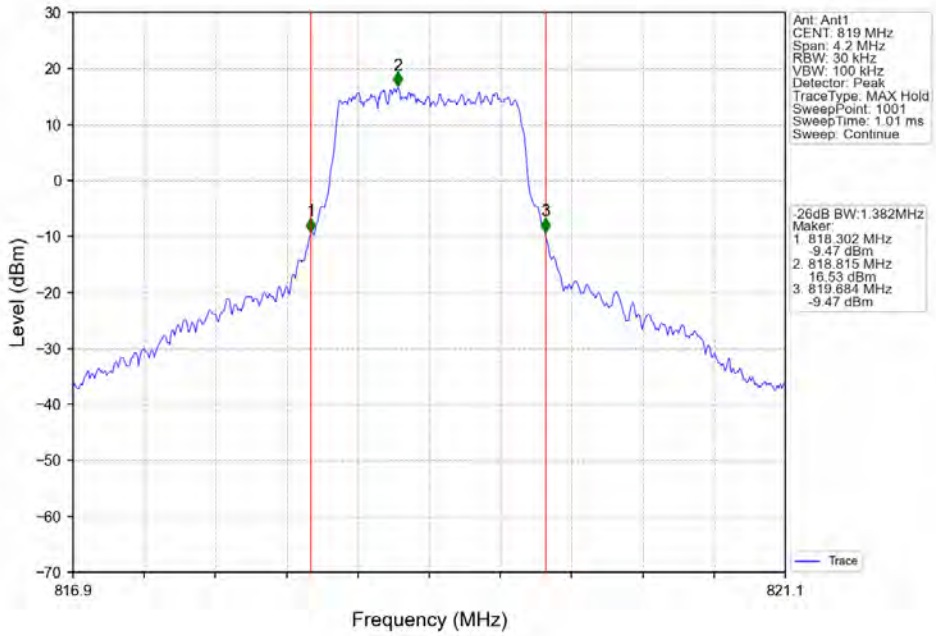
Band26a_1.4MHz_16QAM_HCH_823.3MHz_RB_6_0_NTNV



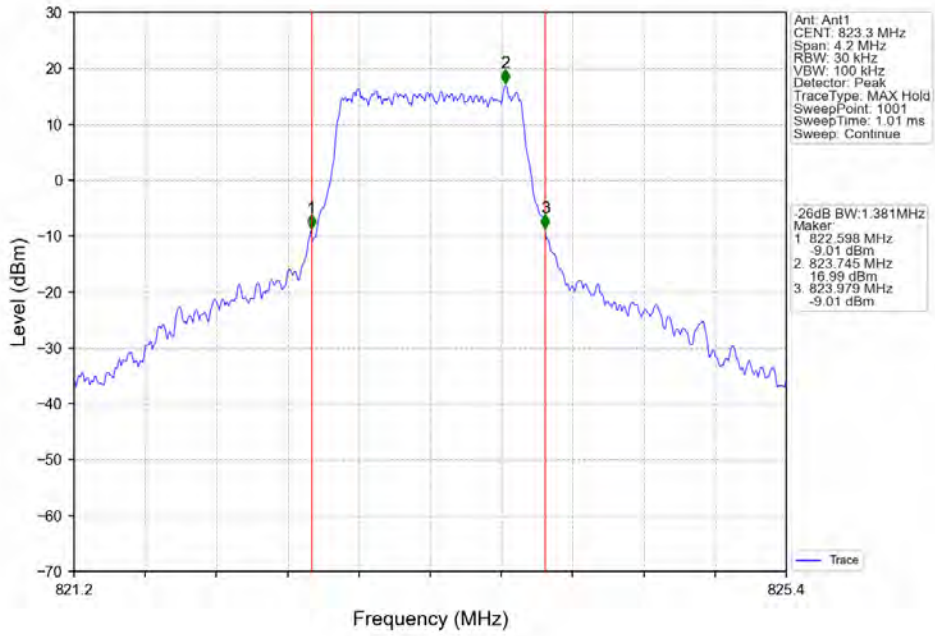
Band26a_1.4MHz_64QAM_LCH_814.7MHz_RB_6_0_NTNV



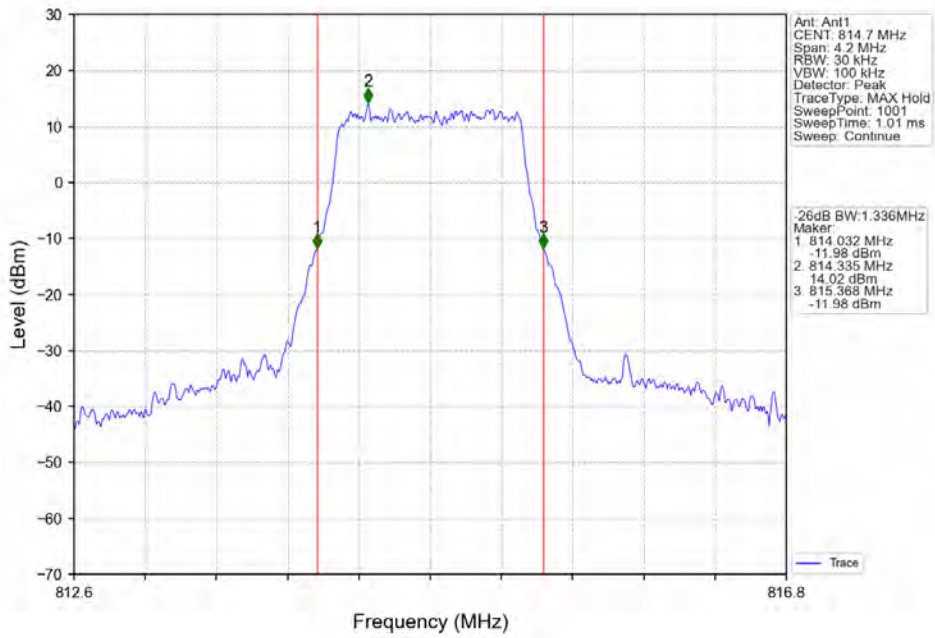
Band26a_1.4MHz_64QAM_MCH_819MHz_RB_6_0_NTNV



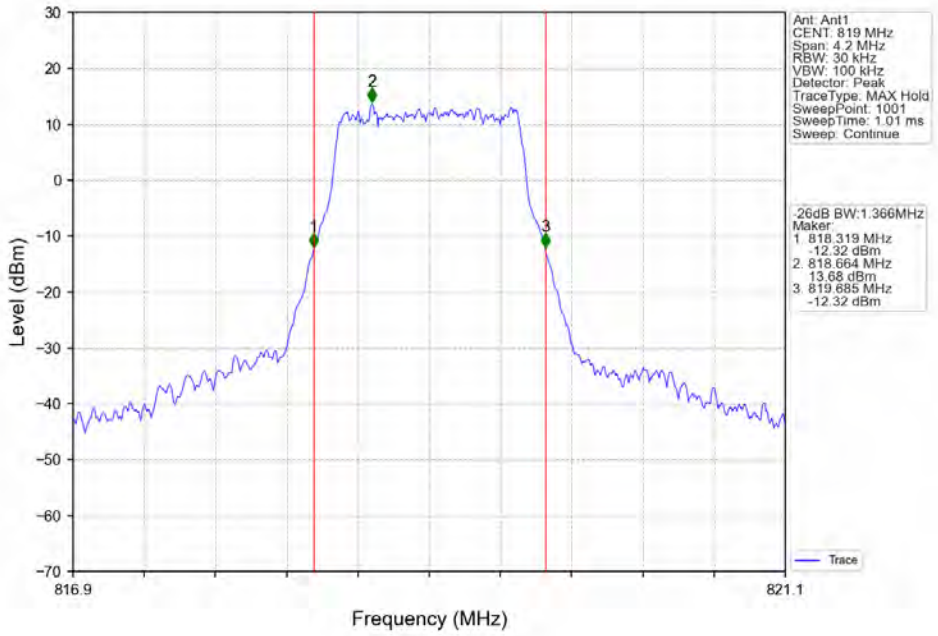
Band26a_1.4MHz_64QAM_HCH_823.3MHz_RB_6_0_NTNV



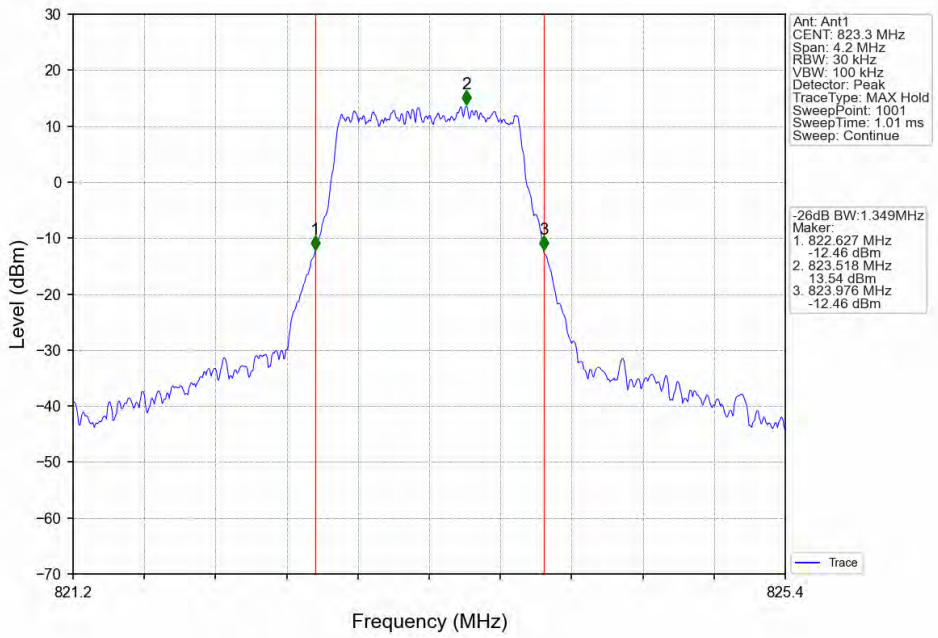
Band26a_1.4MHz_256QAM_LCH_814.7MHz_RB_6_0_NTNV



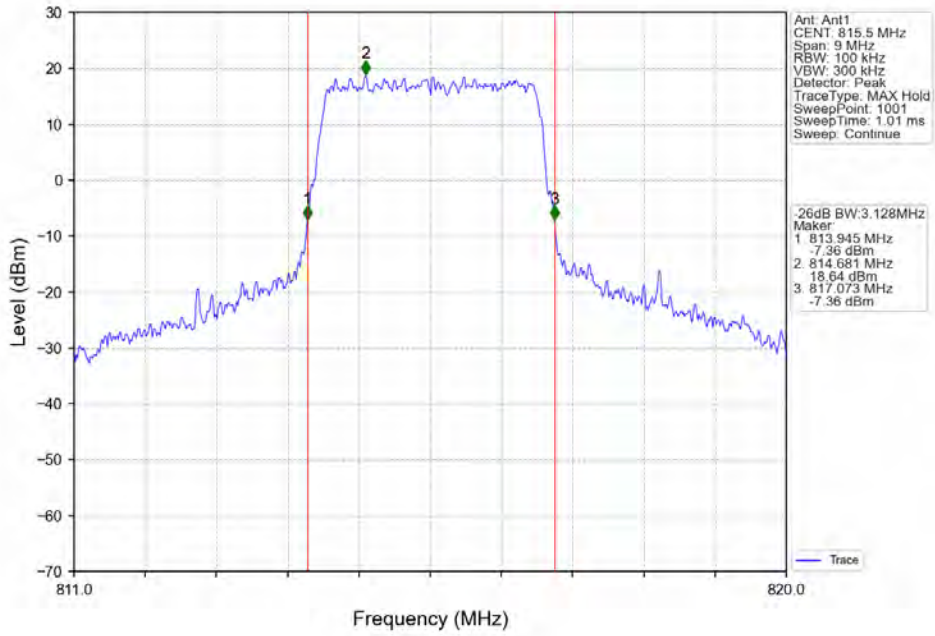
Band26a_1.4MHz_256QAM_MCH_819MHz_RB_6_0_NTNV



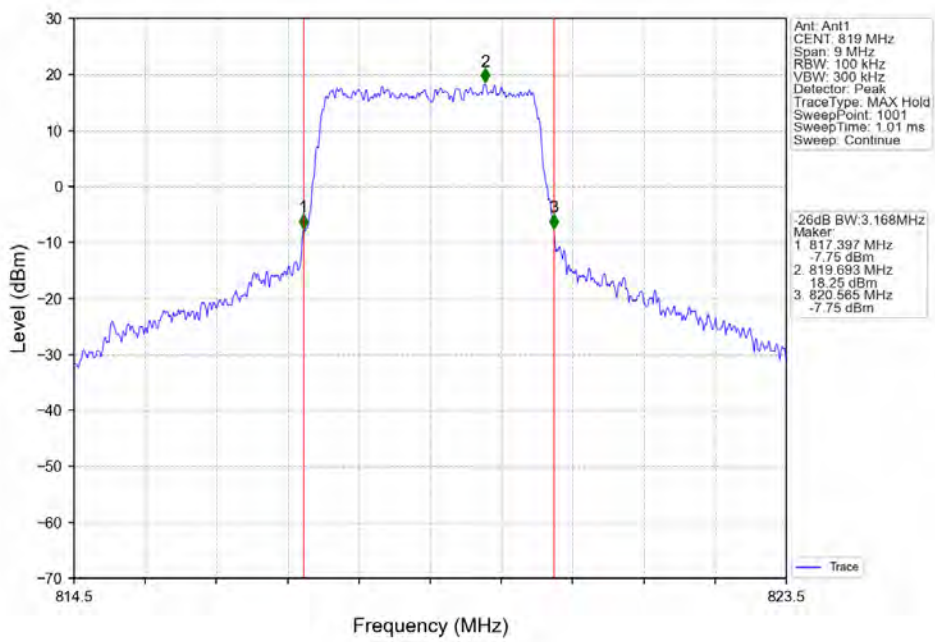
Band26a_1.4MHz_256QAM_HCH_823.3MHz_RB_6_0_NTNV



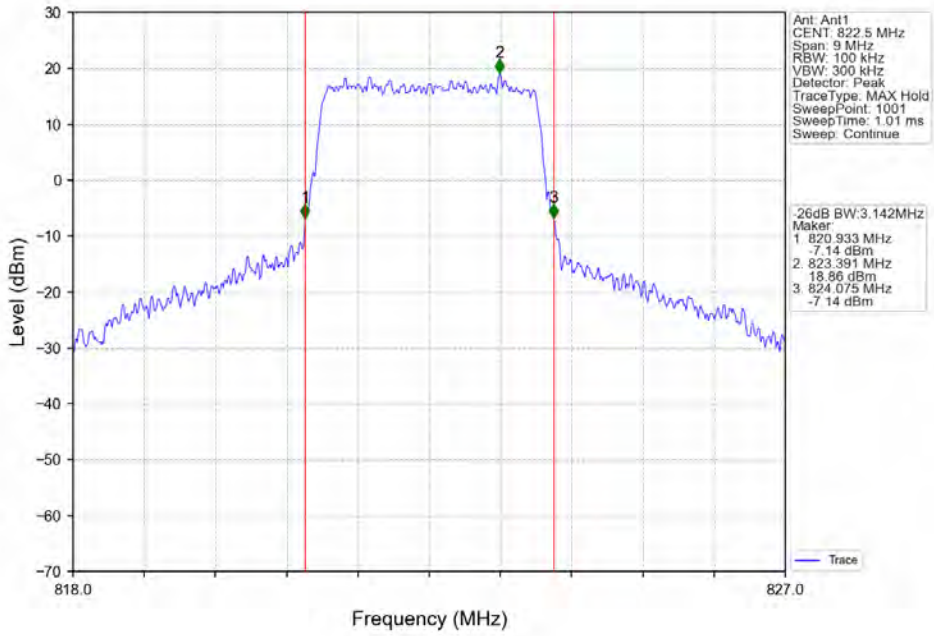
Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV



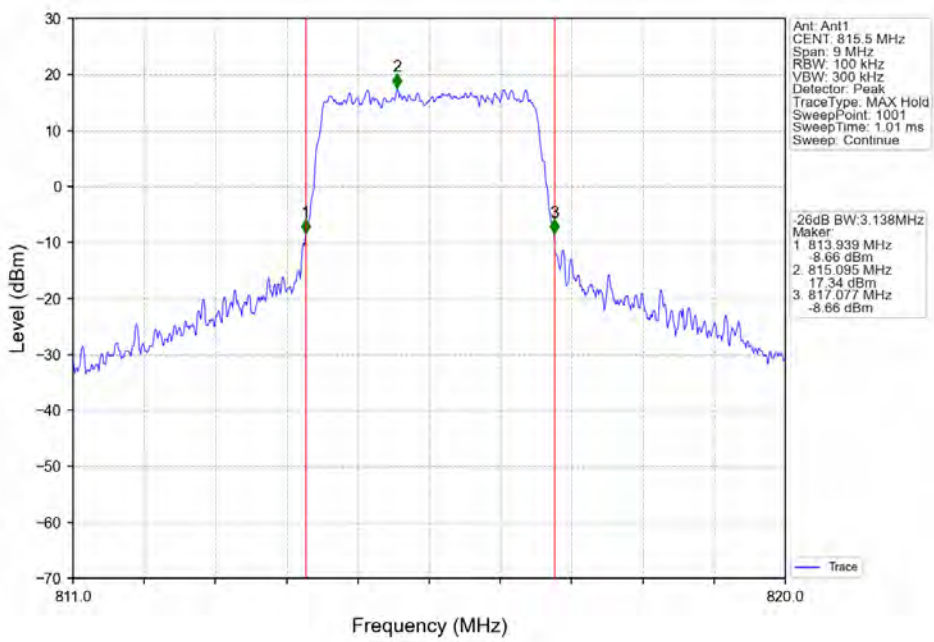
Band26a_3MHz_QPSK_MCH_819MHz_RB_15_0_NTNV



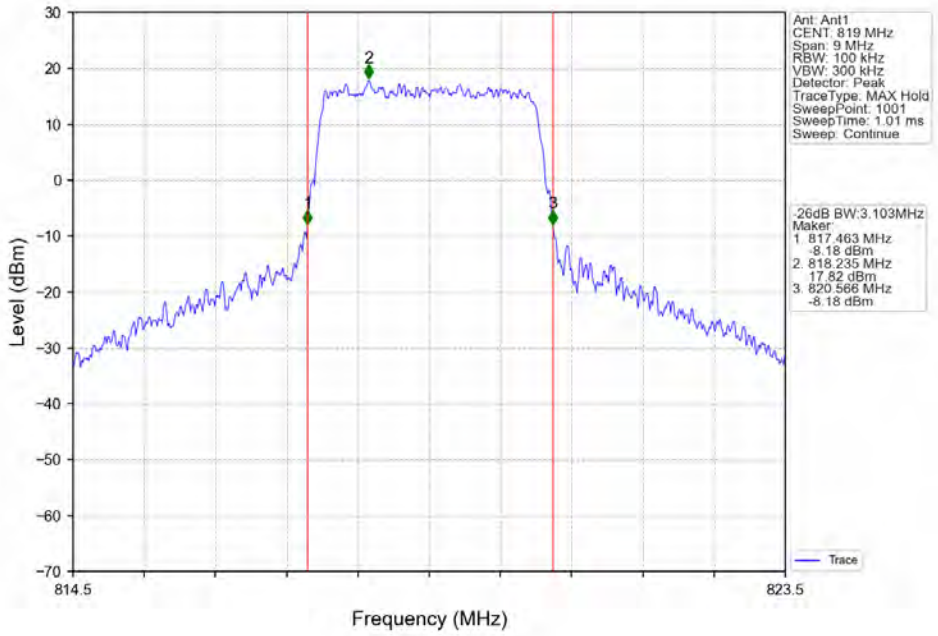
Band26a_3MHz_QPSK_HCH_822.5MHz_RB_15_0_NTNV



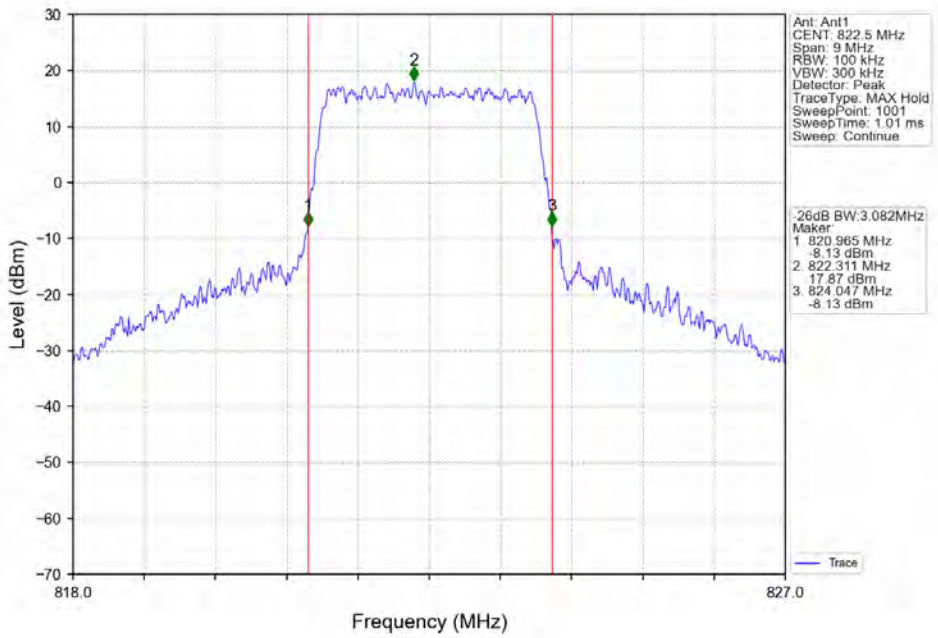
Band26a_3MHz_16QAM_LCH_815.5MHz_RB_15_0_NTNV



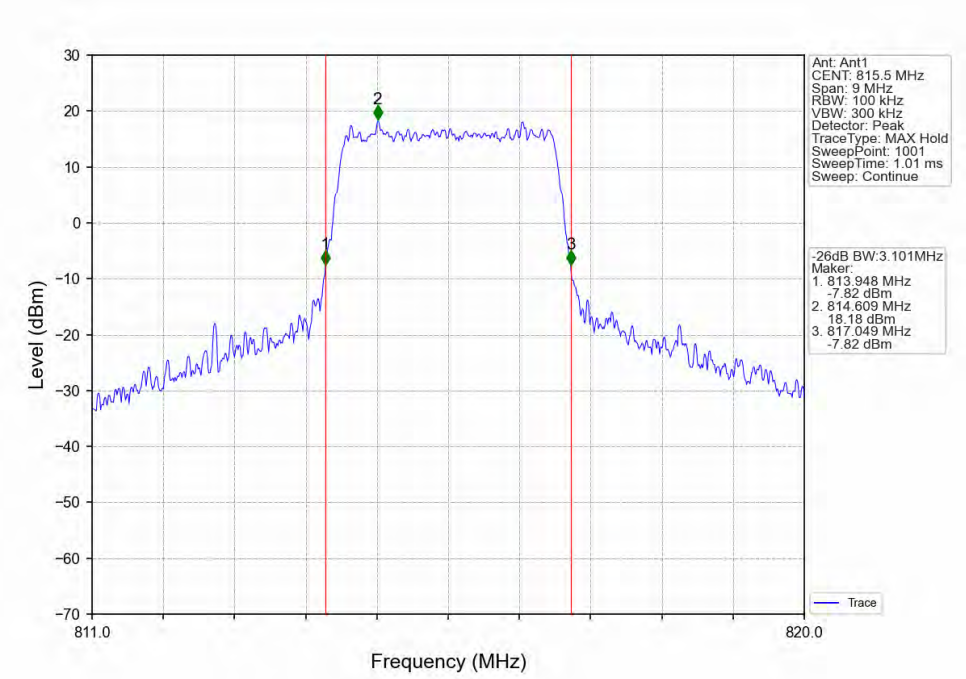
Band26a_3MHz_16QAM_MCH_819MHz_RB_15_0_NTNV



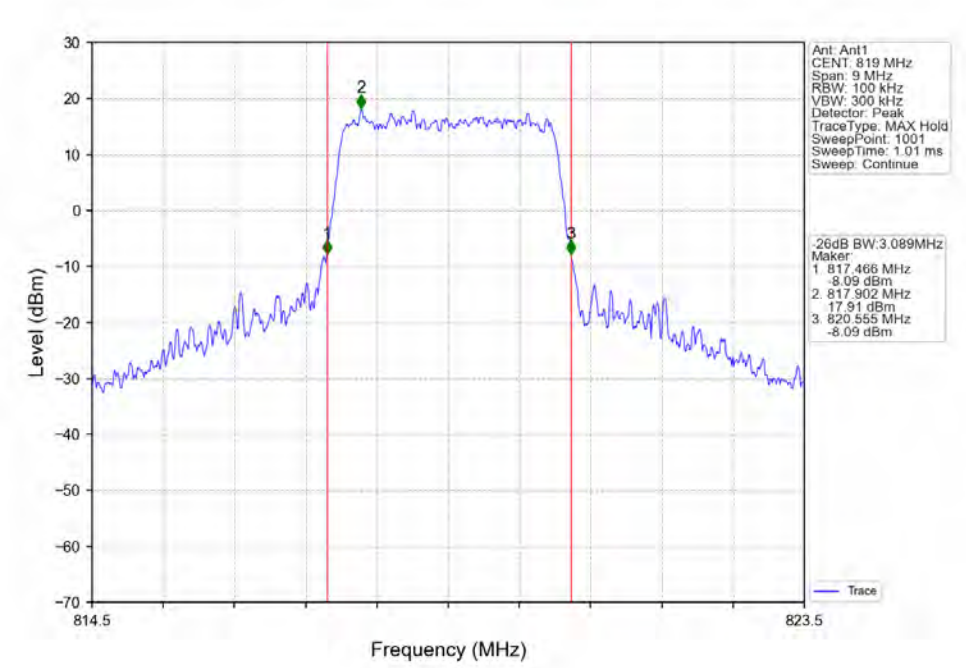
Band26a_3MHz_16QAM_HCH_822.5MHz_RB_15_0_NTNV



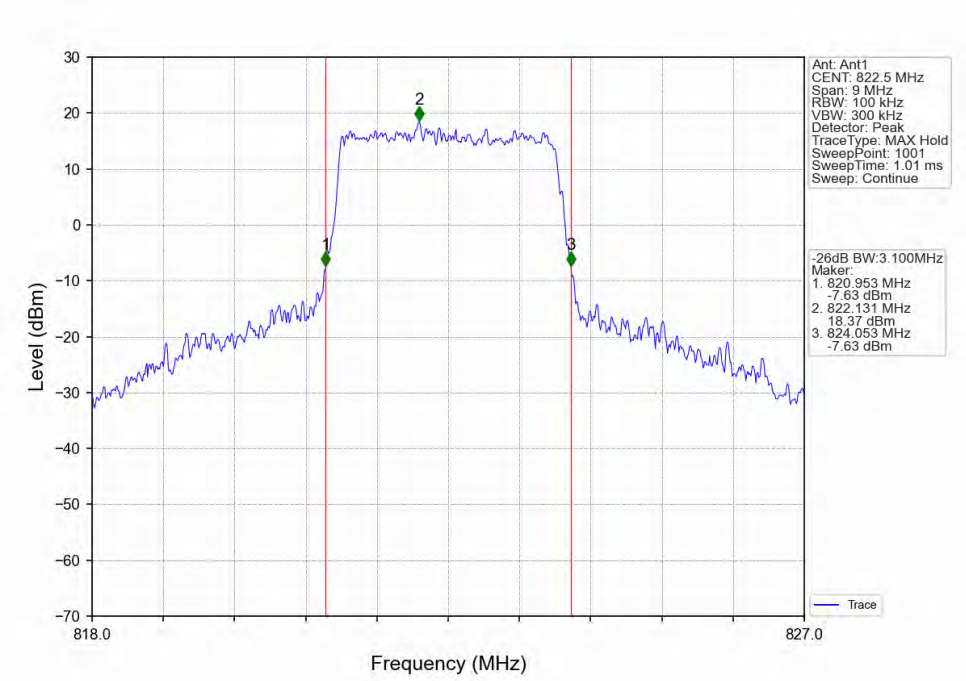
Band26a_3MHz_64QAM_LCH_815.5MHz_RB_15_0_NTNV



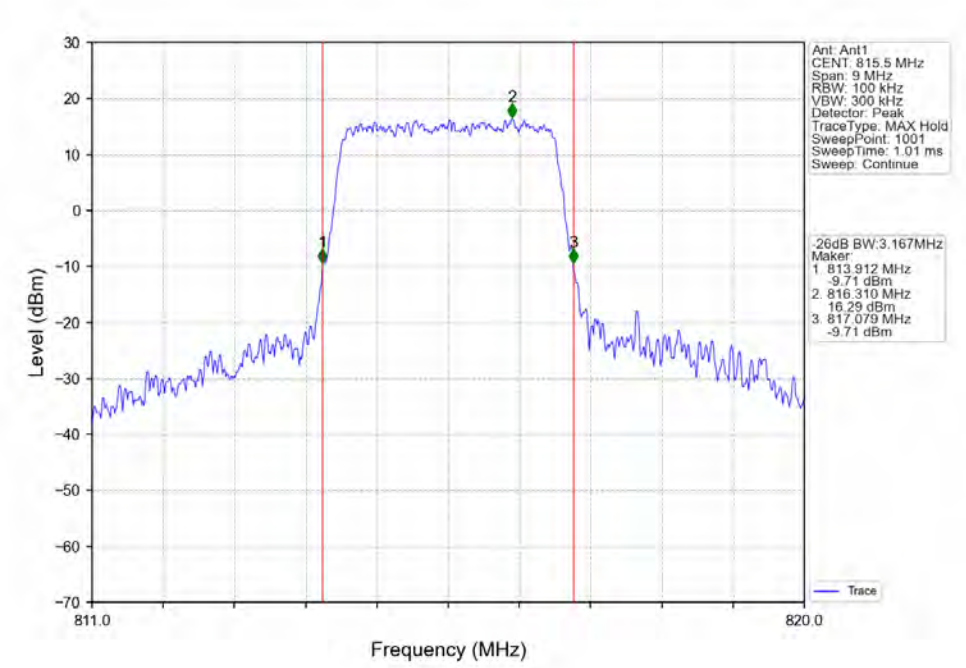
Band26a_3MHz_64QAM_MCH_819MHz_RB_15_0_NTNV



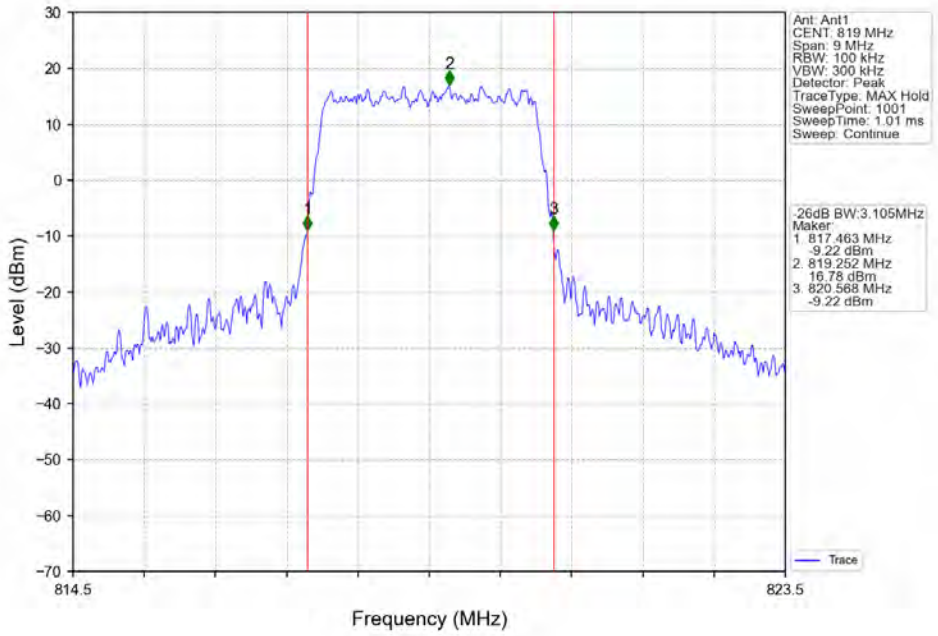
Band26a_3MHz_64QAM_HCH_822.5MHz_RB_15_0_NTNV



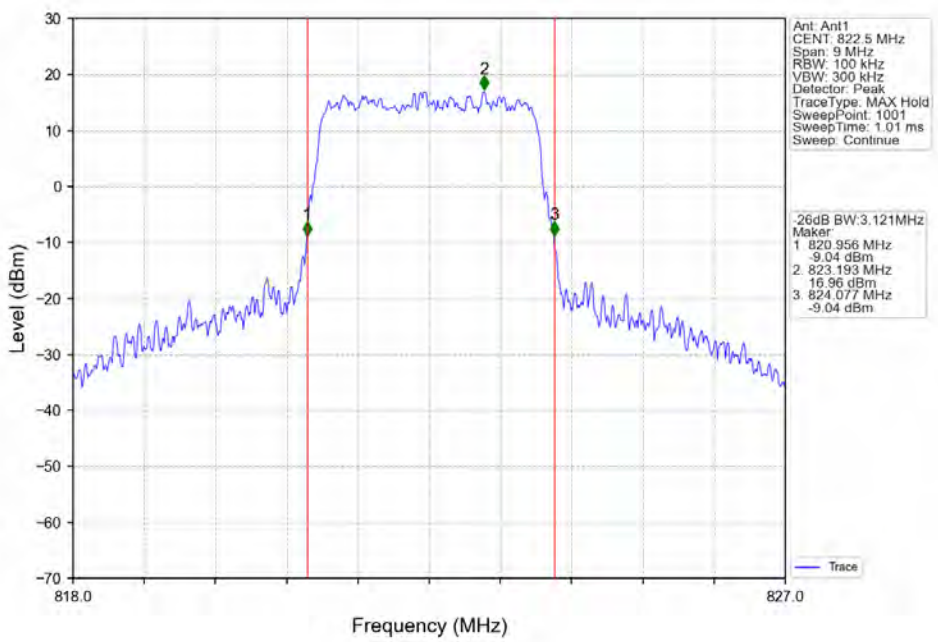
Band26a_3MHz_256QAM_LCH_815.5MHz_RB_15_0_NTNV



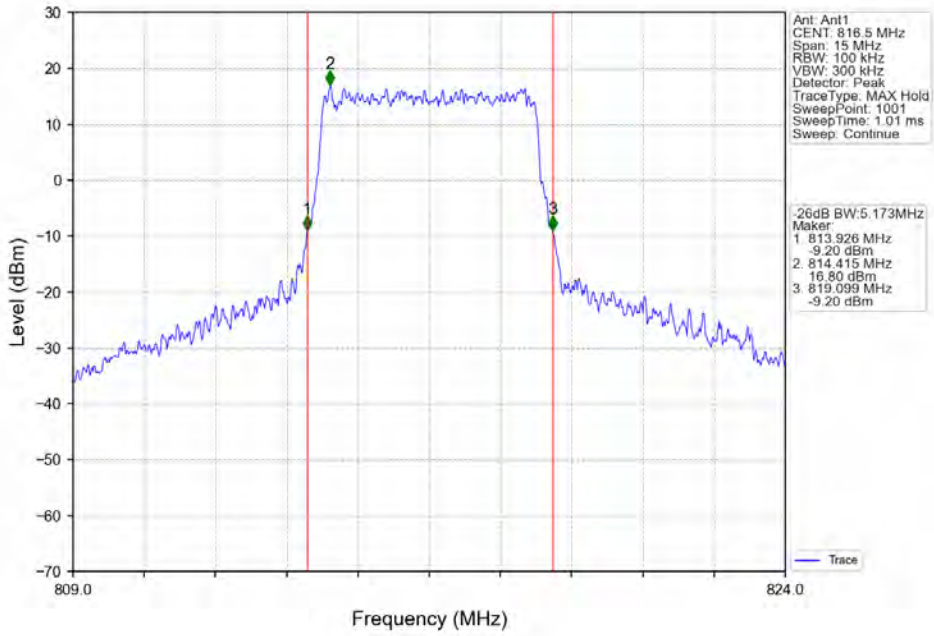
Band26a_3MHz_256QAM_MCH_819MHz_RB_15_0_NTNV



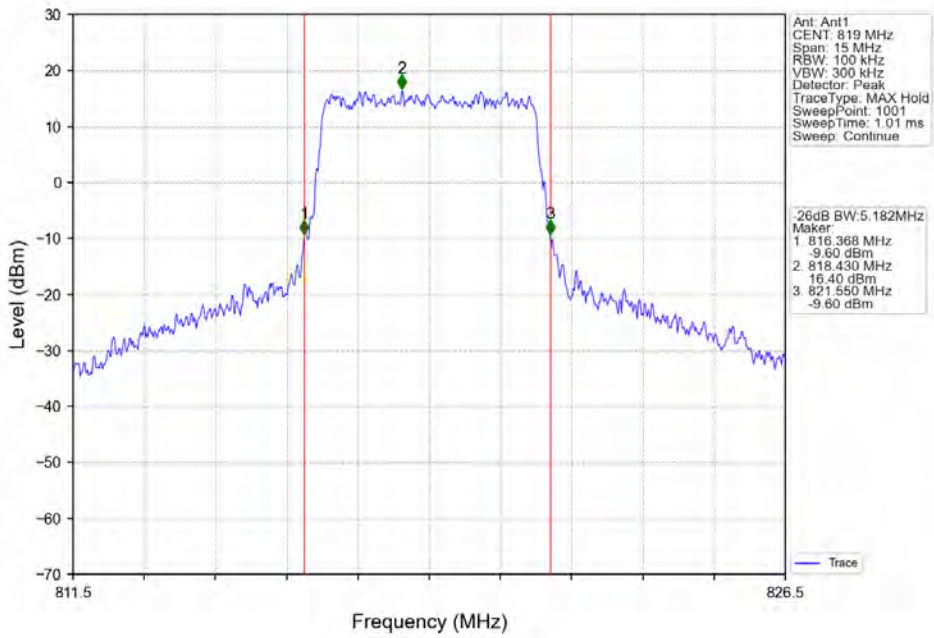
Band26a_3MHz_256QAM_HCH_822.5MHz_RB_15_0_NTNV



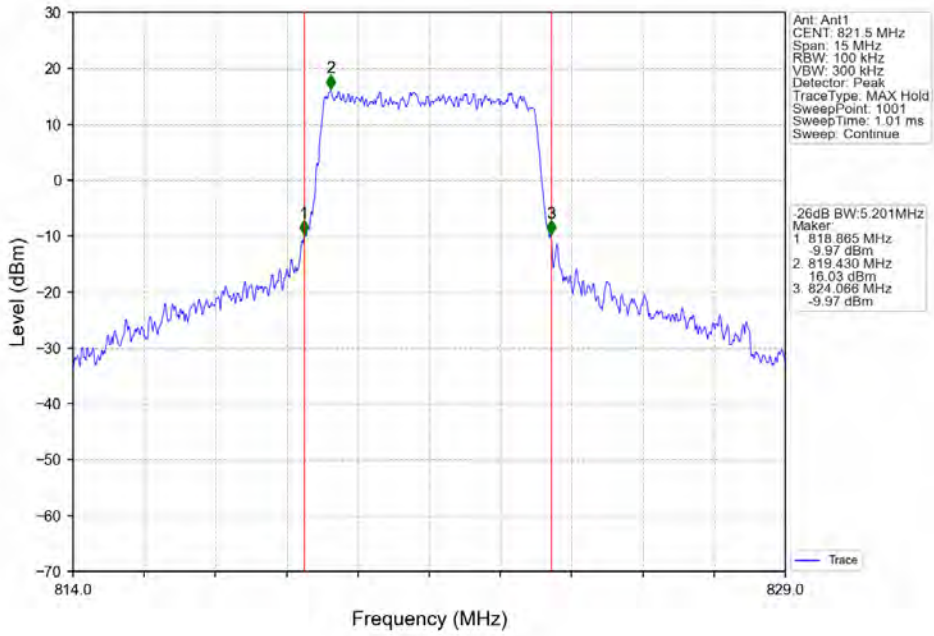
Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV



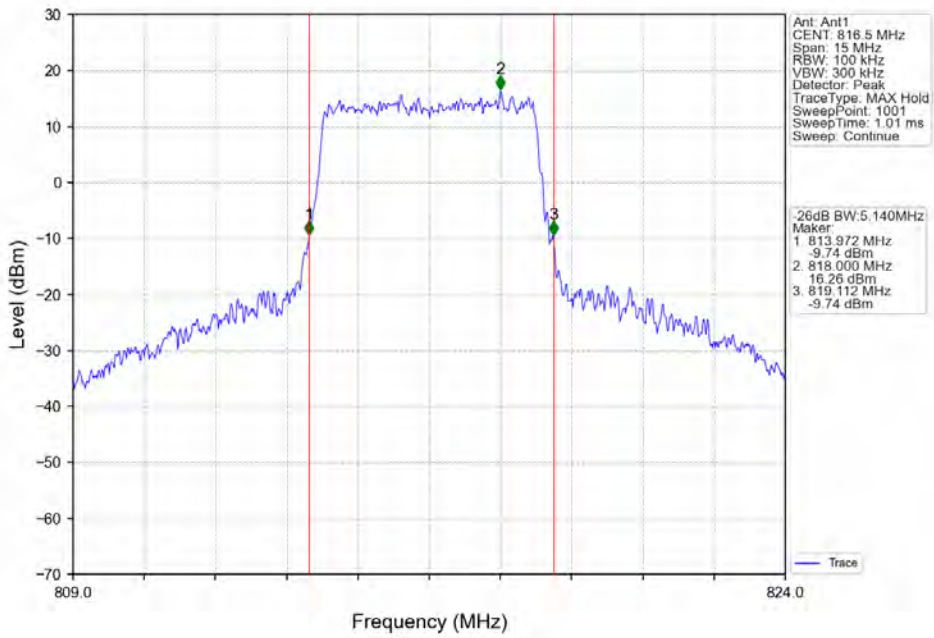
Band26a_5MHz_QPSK_MCH_819MHz_RB_25_0_NTNV



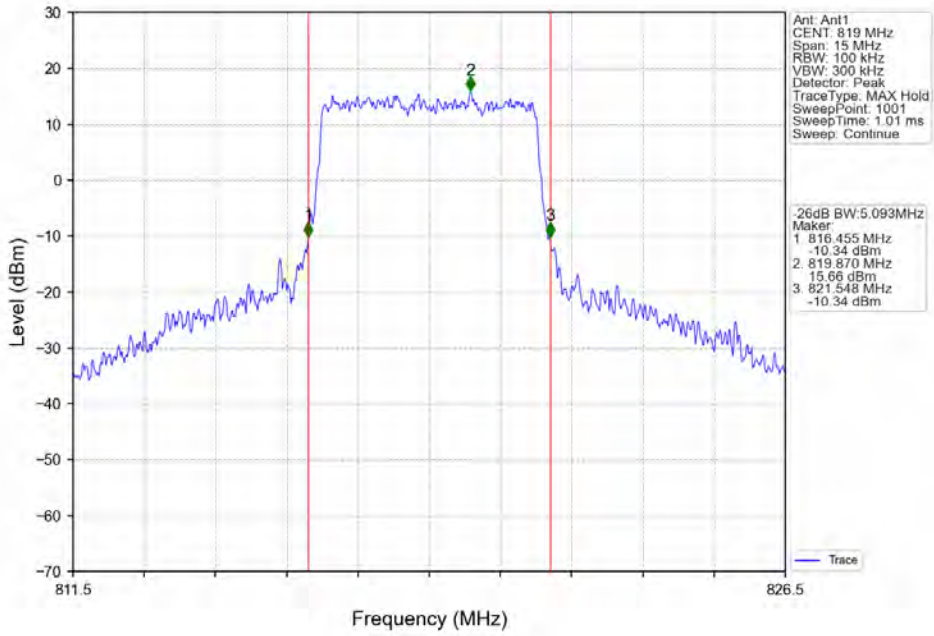
Band26a_5MHz_QPSK_HCH_821.5MHz_RB_25_0_NTNV



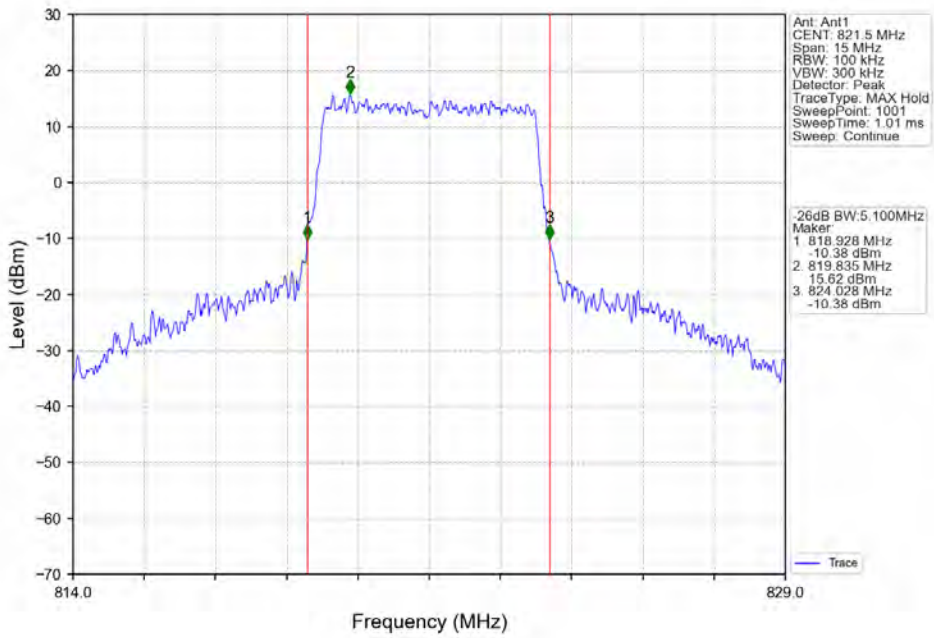
Band26a_5MHz_16QAM_LCH_816.5MHz_RB_25_0_NTNV



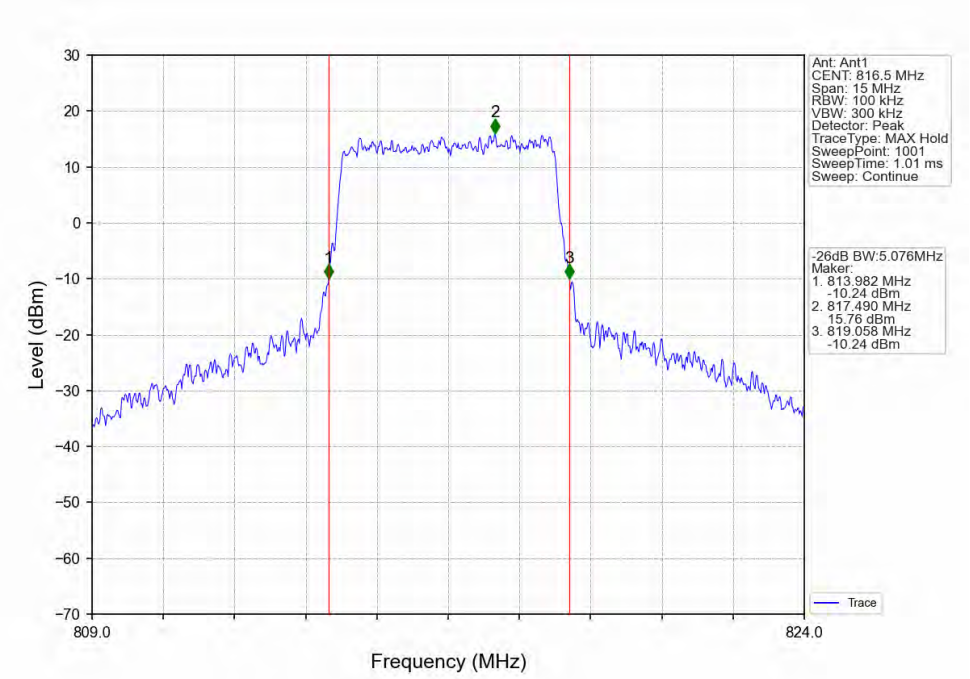
Band26a_5MHz_16QAM_MCH_819MHz_RB_25_0_NTNV



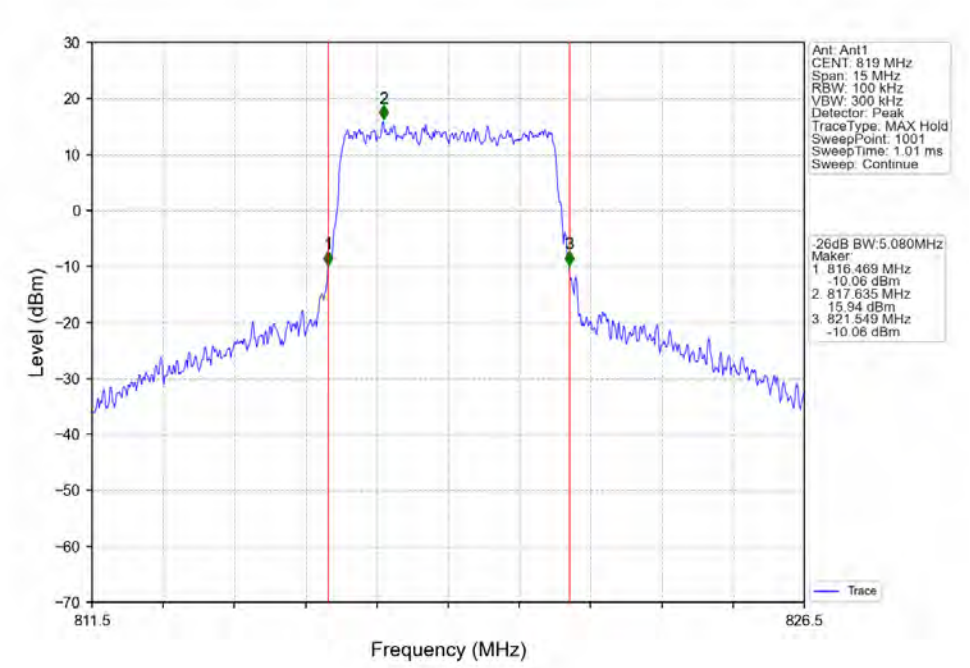
Band26a_5MHz_16QAM_HCH_821.5MHz_RB_25_0_NTNV



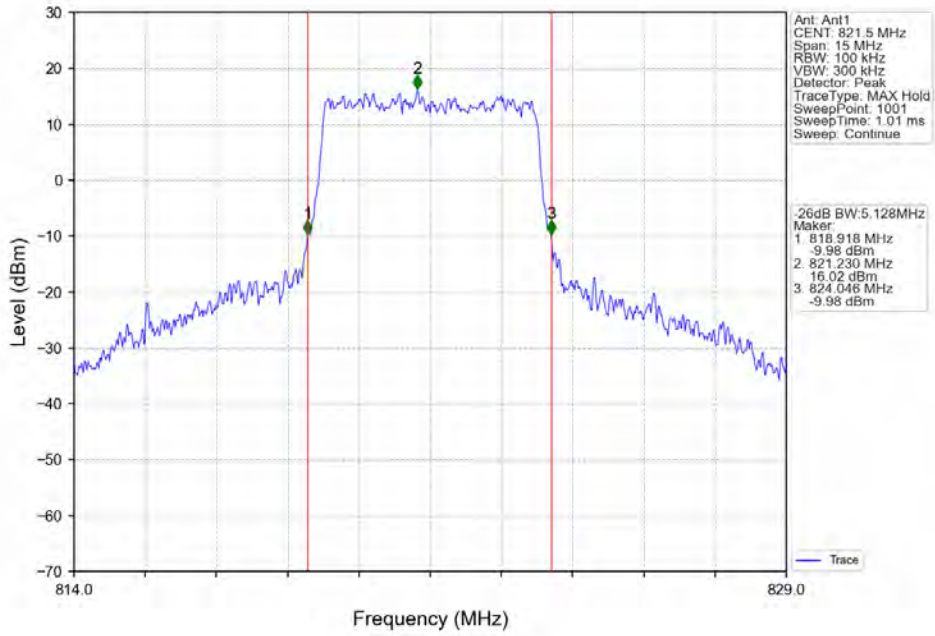
Band26a_5MHz_64QAM_LCH_816.5MHz_RB_25_0_NTNV



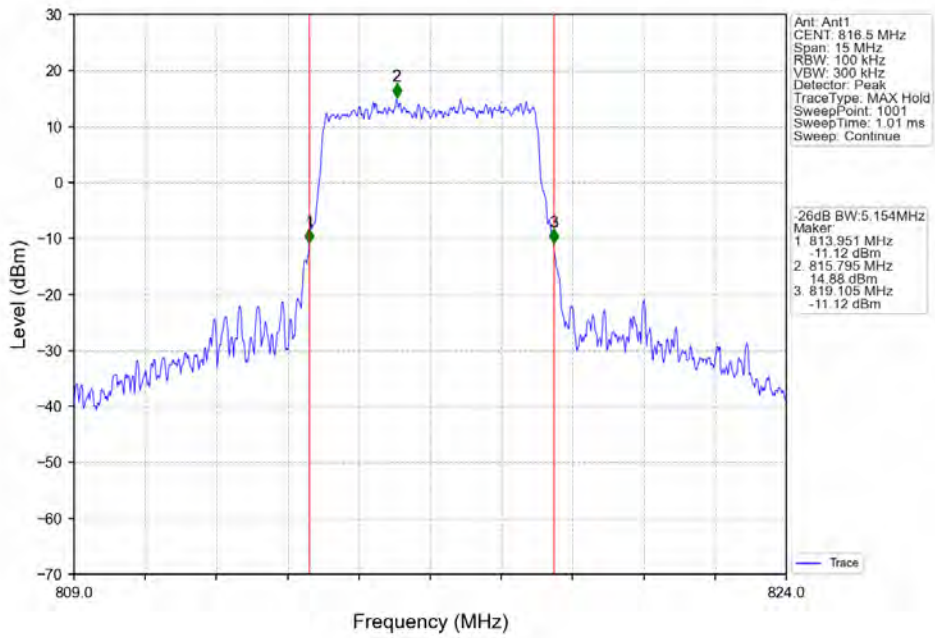
Band26a_5MHz_64QAM_MCH_819MHz_RB_25_0_NTNV



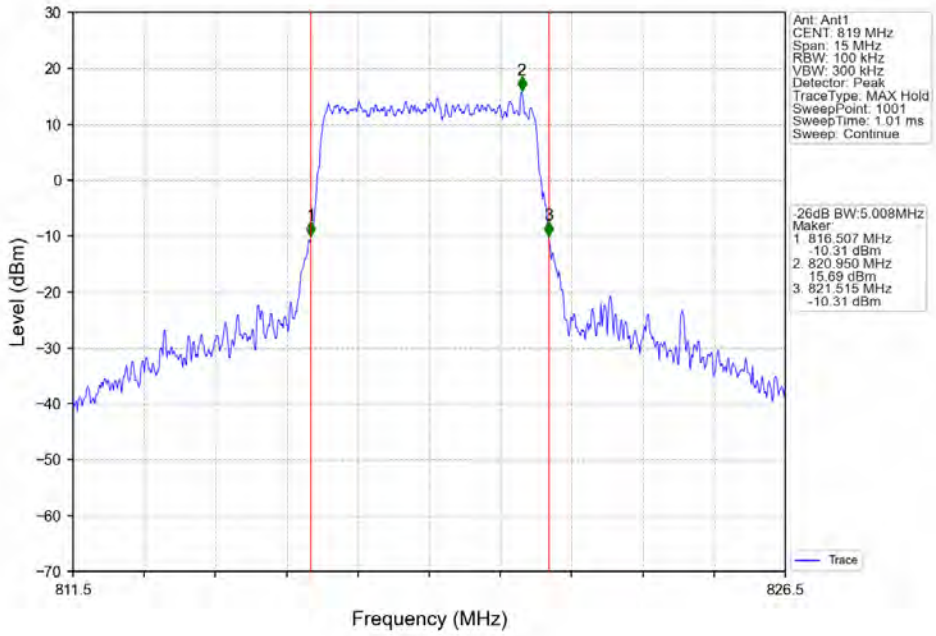
Band26a_5MHz_64QAM_HCH_821.5MHz_RB_25_0_NTNV



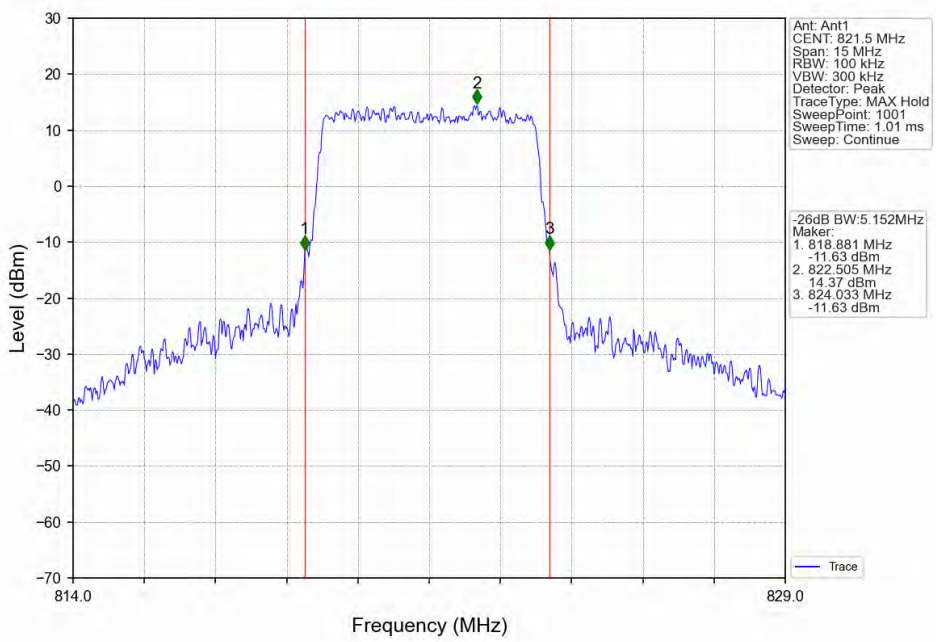
Band26a_5MHz_256QAM_LCH_816.5MHz_RB_25_0_NTNV



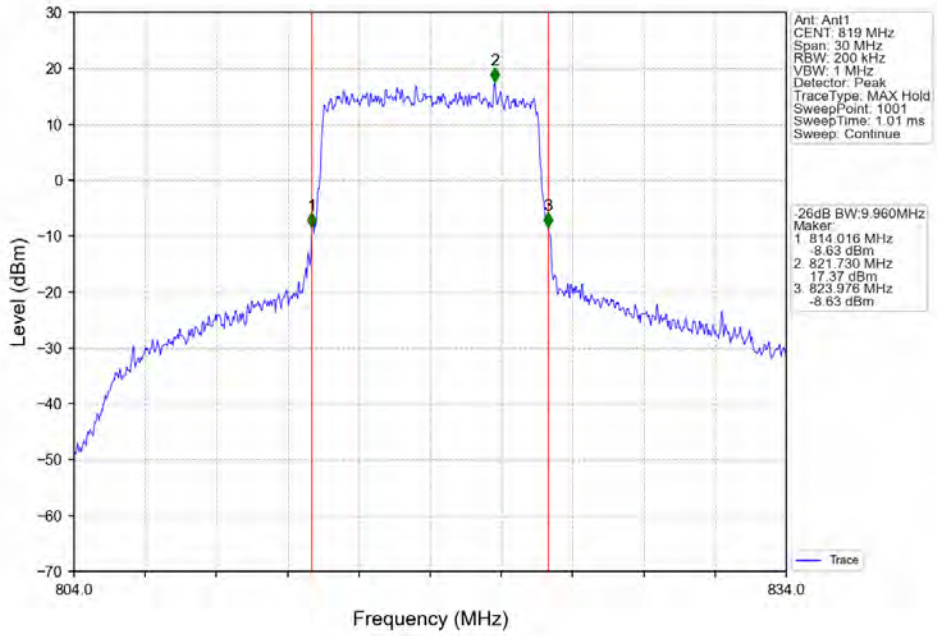
Band26a_5MHz_256QAM_MCH_819MHz_RB_25_0_NTNV



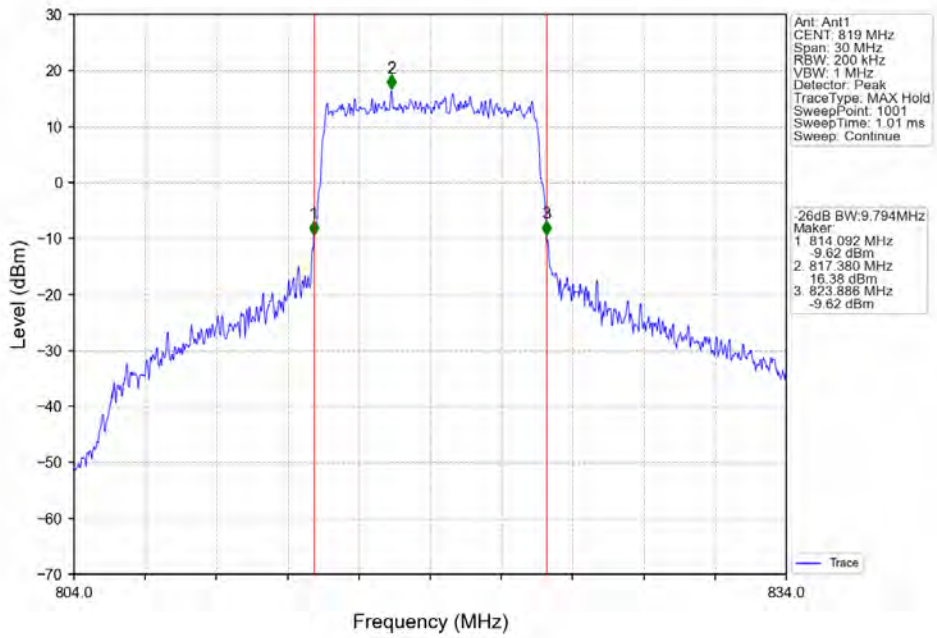
Band26a_5MHz_256QAM_HCH_821.5MHz_RB_25_0_NTNV



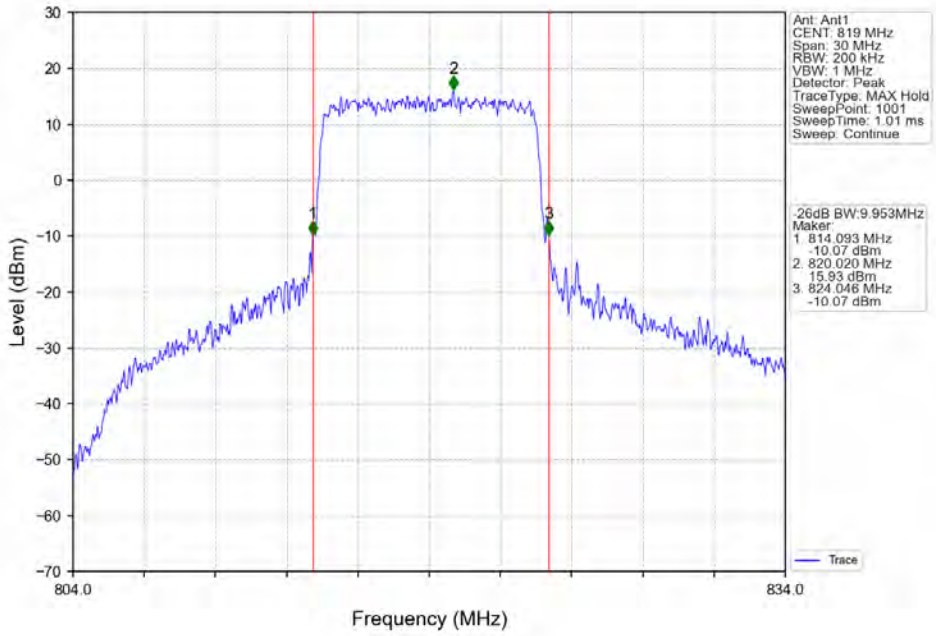
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



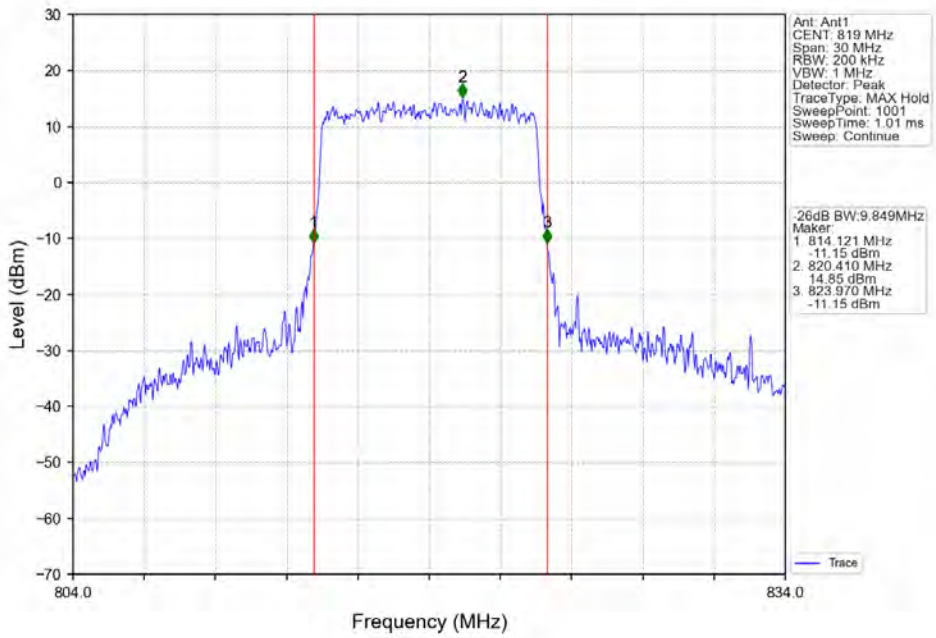
Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



4. Peak-Average Ratio

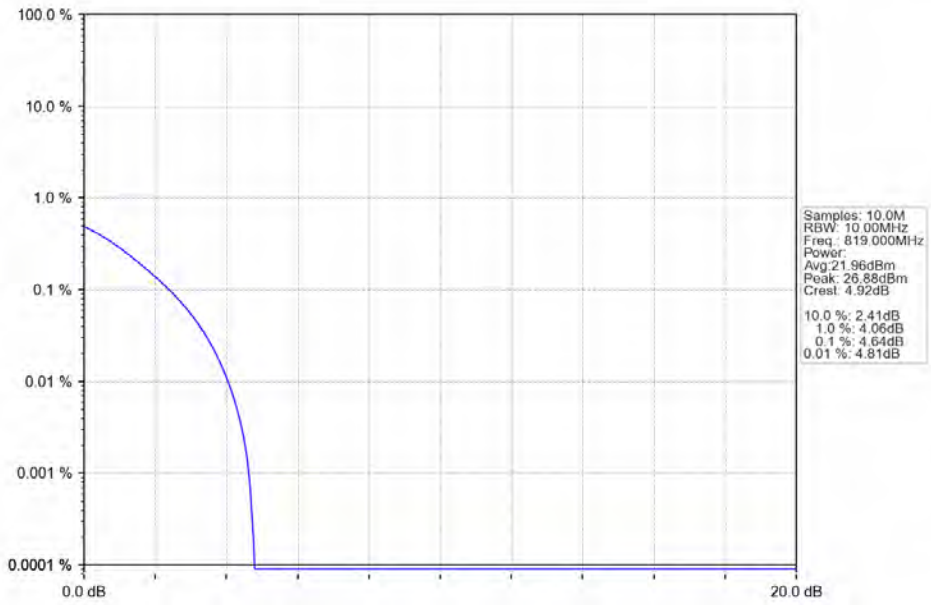
4.1 B26a_10MHz

4.1.1 Test Result

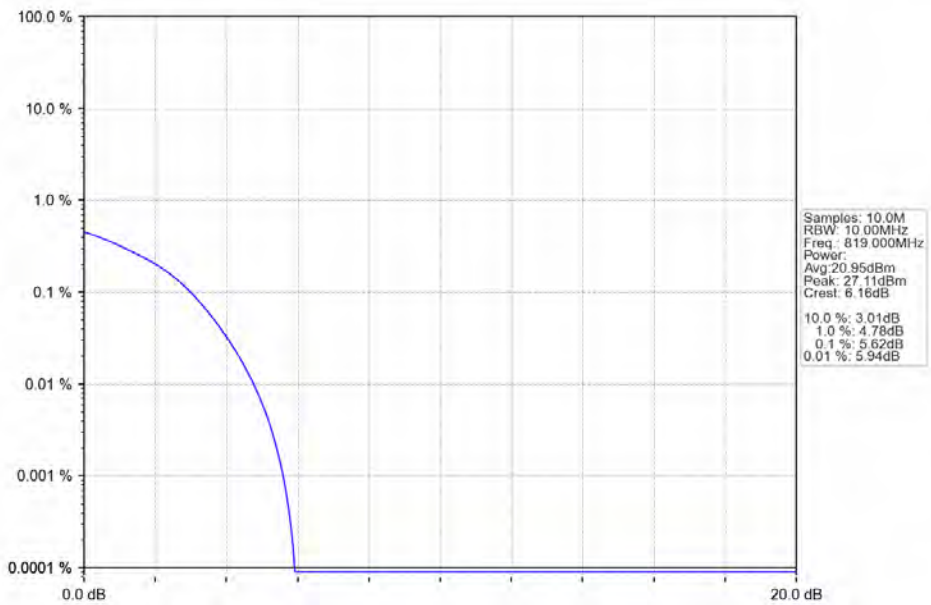
Band: 26a / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	819	50	0	4.64	<=13	Pass
16QAM	819	50	0	5.62	<=13	Pass
64QAM	819	50	0	5.59	<=13	Pass
256QAM	819	50	0	6.17	<=13	Pass

4.1.2 Test Graph

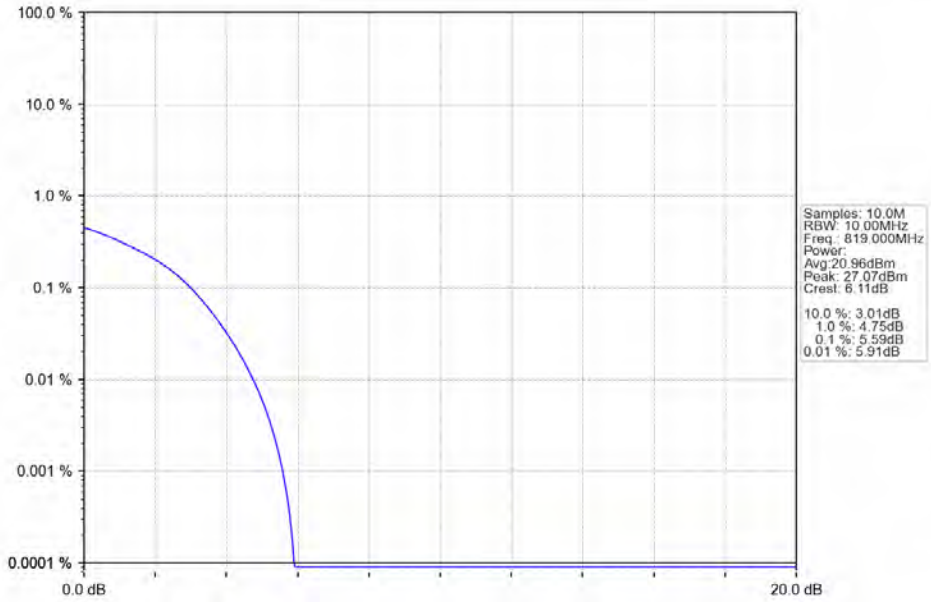
Band26a_10MHz_QPSK_MCH_819MHz_RB_50_0_NTNV



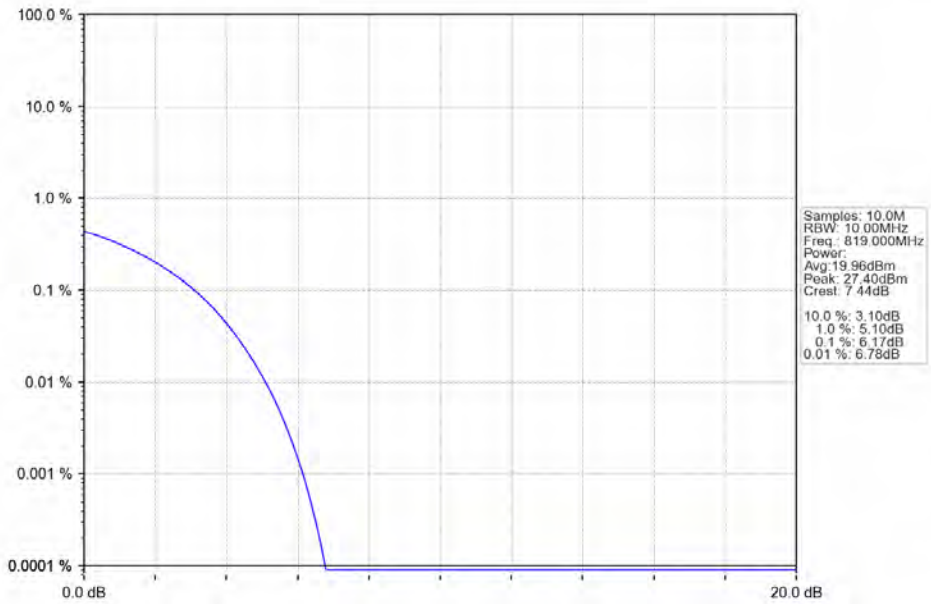
Band26a_10MHz_16QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_64QAM_MCH_819MHz_RB_50_0_NTNV



Band26a_10MHz_256QAM_MCH_819MHz_RB_50_0_NTNV



5. Spurious Emission & Band Edges

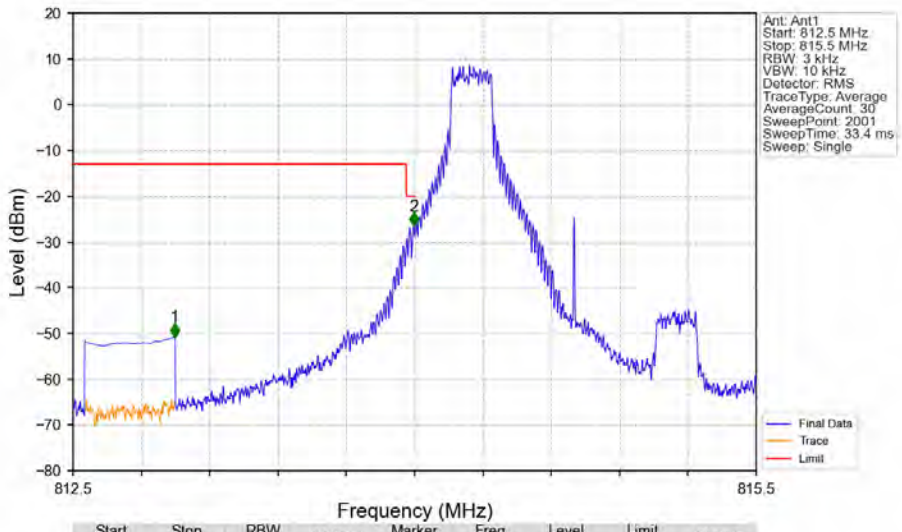
5.1 B26a_1.4MHz

5.1.1 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

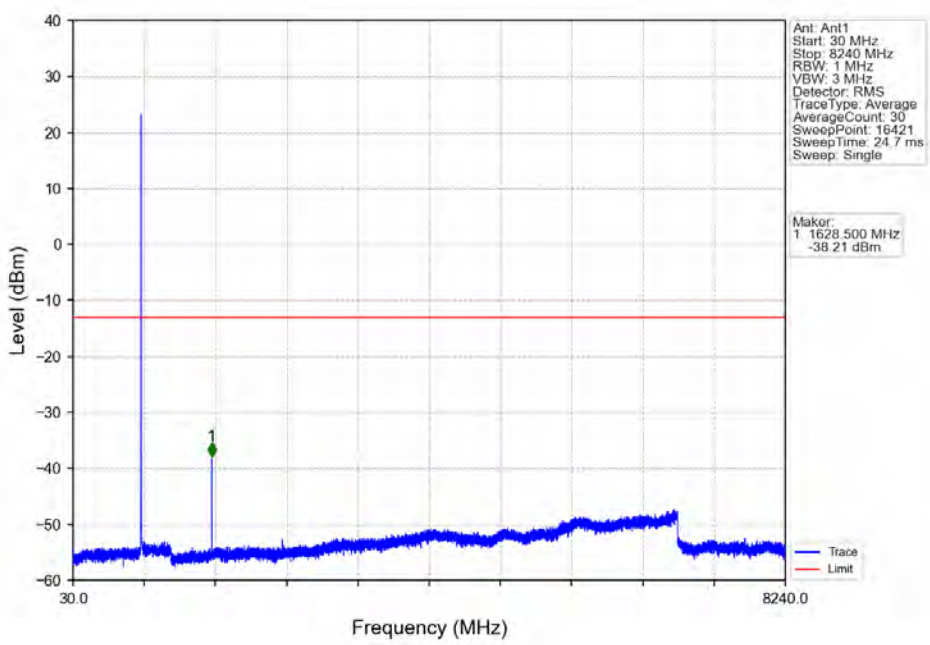
5.1.2 Test Graph

Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV

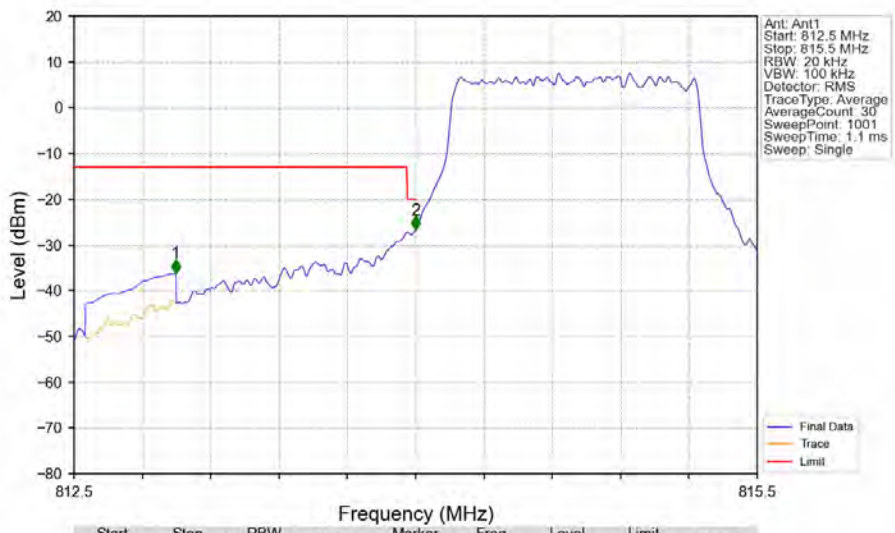


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
812.5	813	0.1	CHP	1	812.947	-50.84	-13	Pass
813	814	0.003	/	2	813.995	-26.51	-20	Pass
814	815.5	0.003	/	/	/	/	/	/

Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_1_0_NTNV

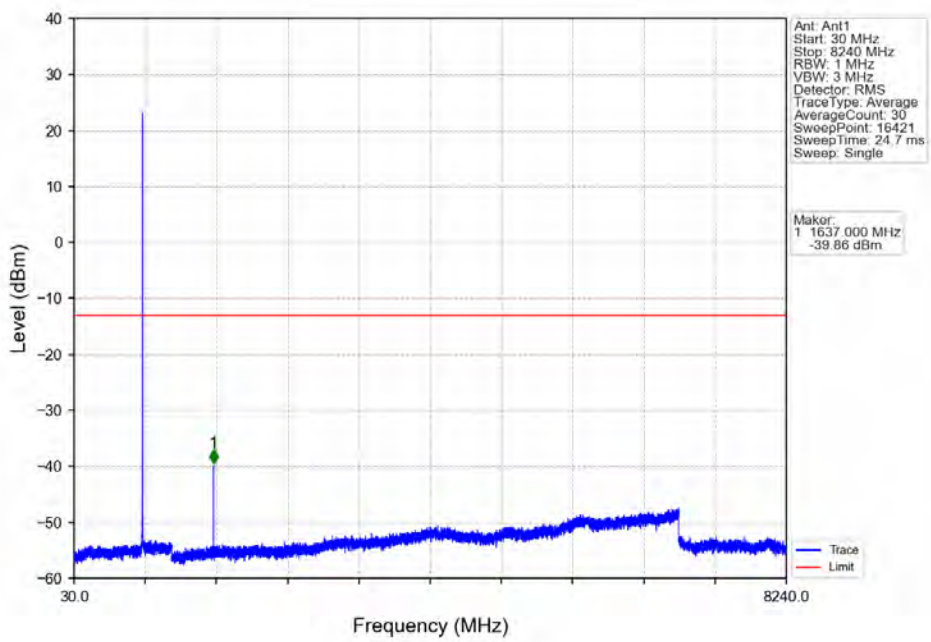


Band26a_1.4MHz_QPSK_LCH_814.7MHz_RB_6_0_NTNV

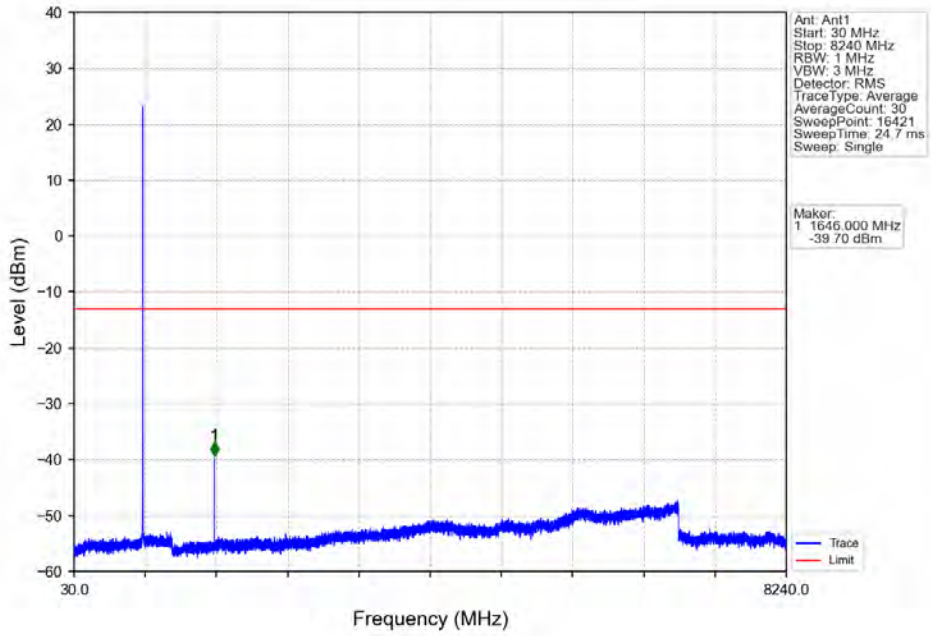


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
812.5	813	0.1	CHP	1	812.947	-36.19	-13	Pass
813	814	0.02	/	2	814.000	-26.73	-20	Pass
814	815.5	0.02	/	/	/	/	/	/

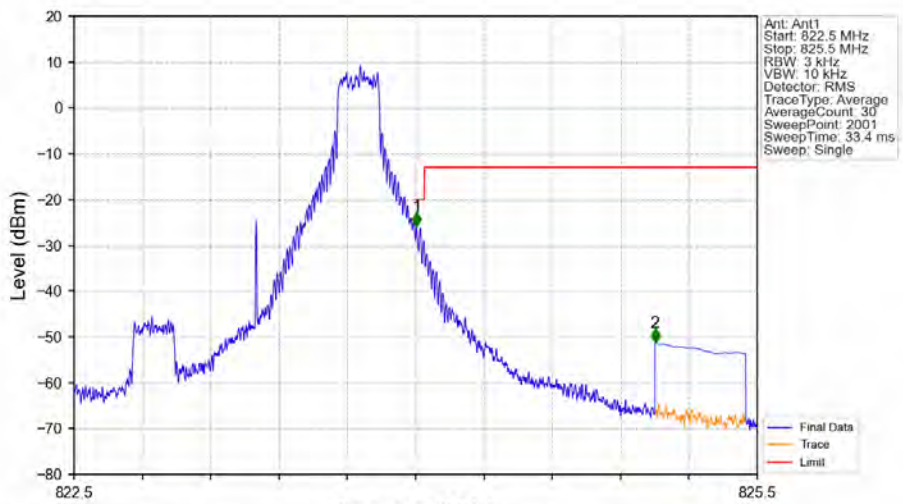
Band26a_1.4MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_0_NTNV

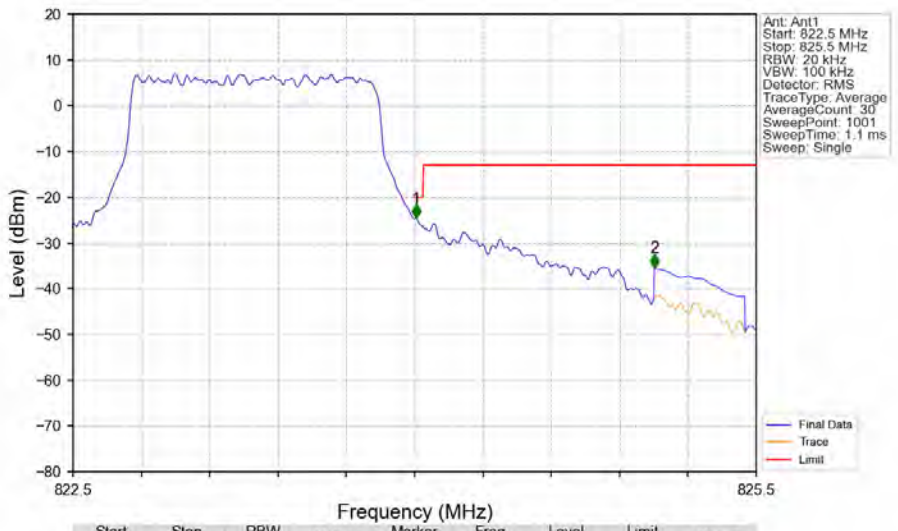


Band26a_1.4MHz_QPSK_HCH_823.3MHz_RB_1_5_NTNV



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	824.005	-25.81	-20	Pass
825	825.5	0.1	CHP	2	825.052	-51.26	-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	0.02	/	/	/	/	/	/
824	825	0.02	/	1	824.006	-24.63	-20	Pass
825	825.5	0.1	CHP	2	825.053	-35.47	-13	Pass

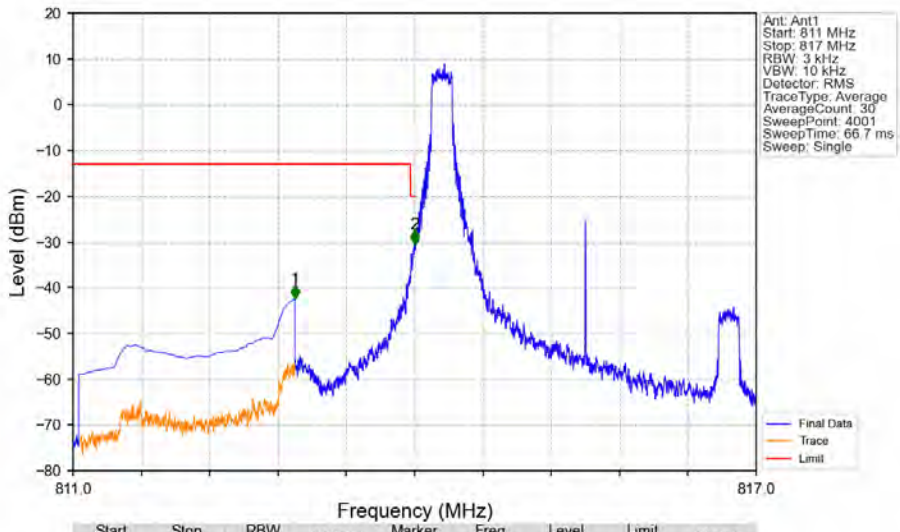
5.2 B26a_3MHz

5.2.1 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

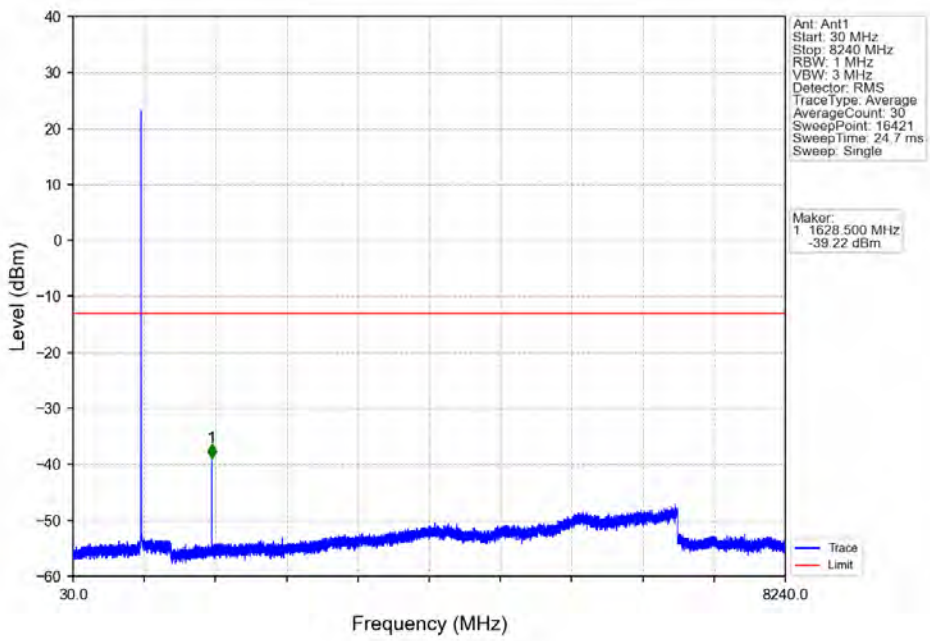
5.2.2 Test Graph

Band26a_3MHz_QPSK_LCH_815.5MHz_RB_1_0_NTNV

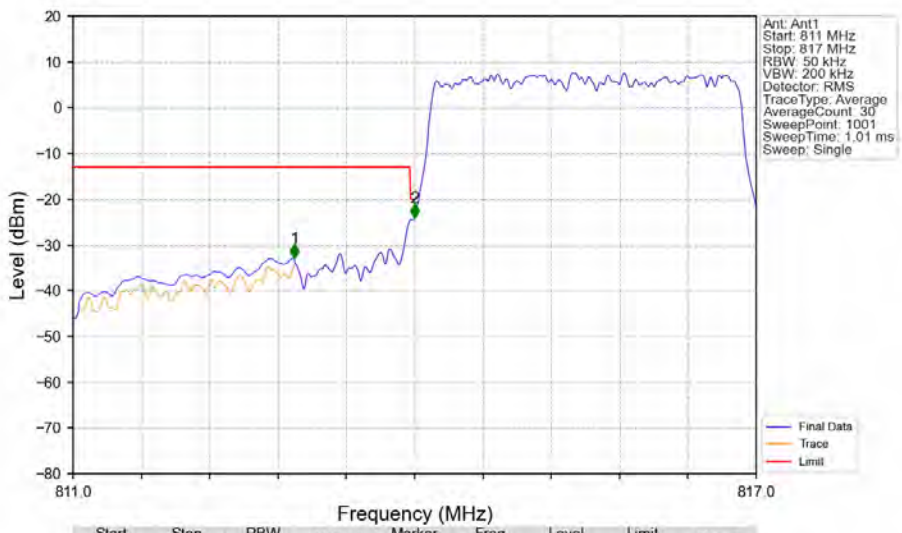


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.948	-42.43	-13	Pass
813	814	0.003	/	2	813.999	-30.50	-20	Pass
814	817	0.003	/	/	/	/	/	/

Band26a_3MHz_QPSK_LCH_815.5MHz_RB_1_0_NTNV

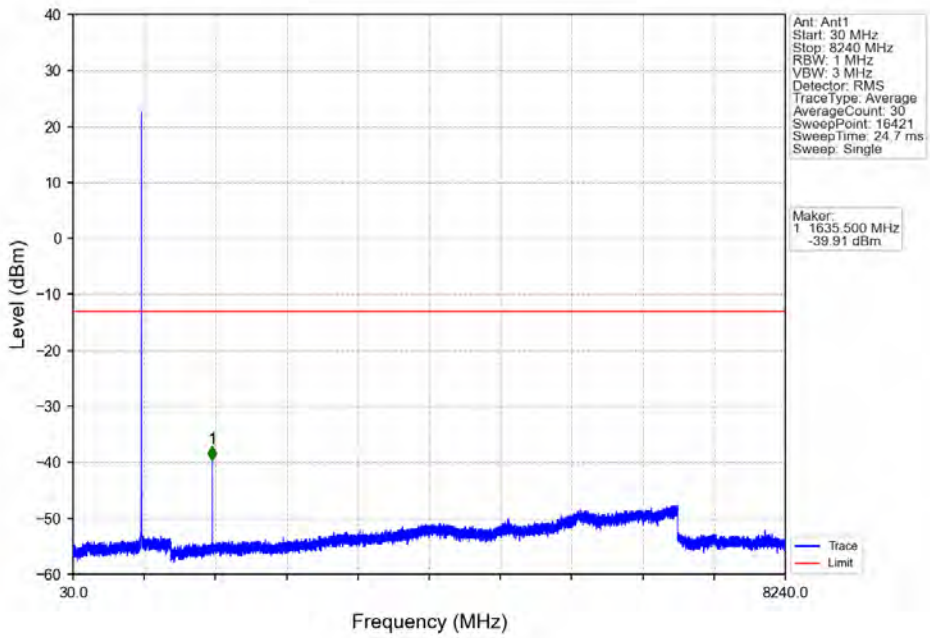


Band26a_3MHz_QPSK_LCH_815.5MHz_RB_15_0_NTNV

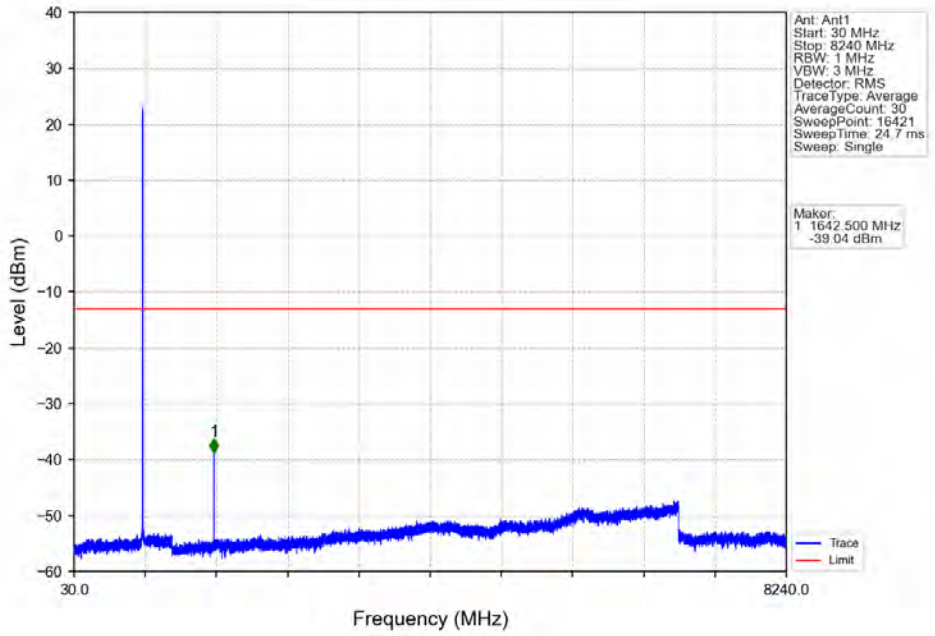


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
811	813	0.1	CHP	1	812.944	-32.88	-13	Pass
813	814	0.05	/	2	814.000	-24.04	-20	Pass
814	817	0.05	/	/	/	/	/	/

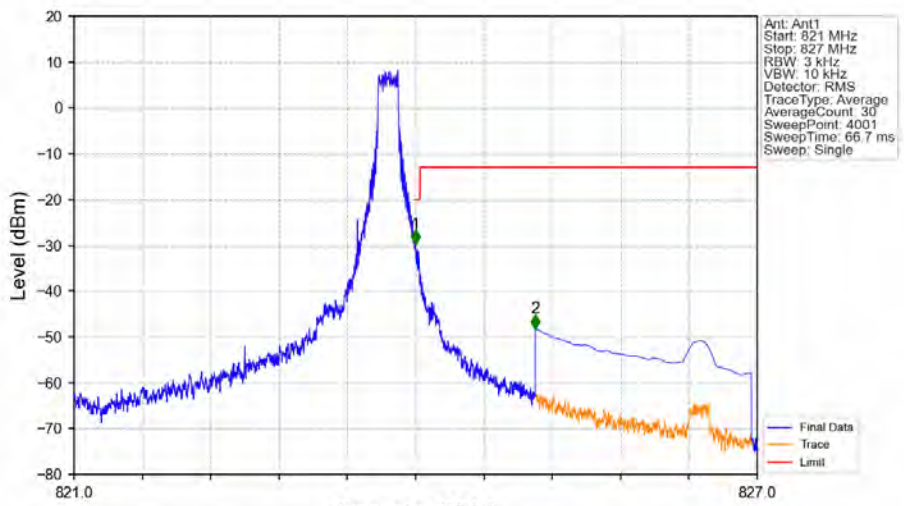
Band26a_3MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_0_NTNV

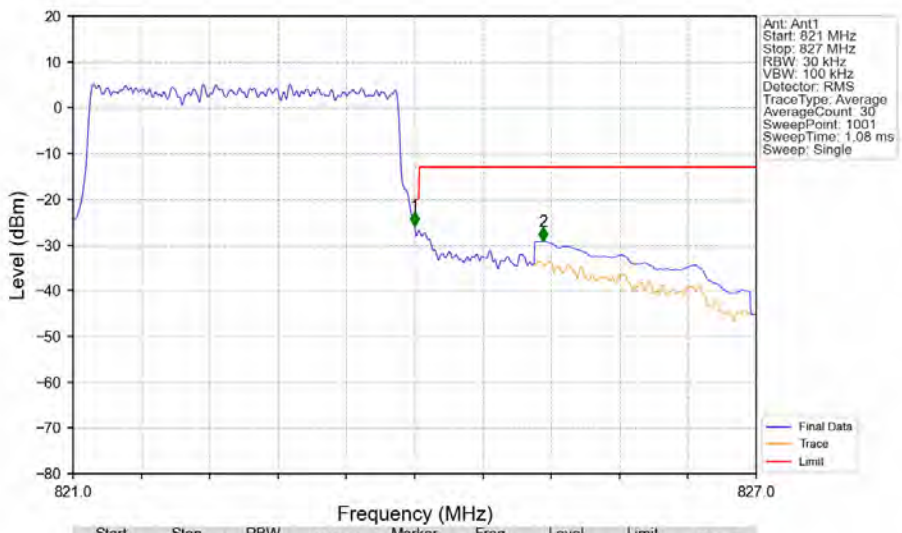


Band26a_3MHz_QPSK_HCH_822.5MHz_RB_1_14_NTNV



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	-29.70	-20	Pass
825	827	0.1	CHP	2	825.052	-48.17	-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	0.031	/	/	/	/	/	/
824	825	0.031	/	1	824.000	-25.93	-20	Pass
825	827	0.1	CHP	2	825.128	-29.19	-13	Pass

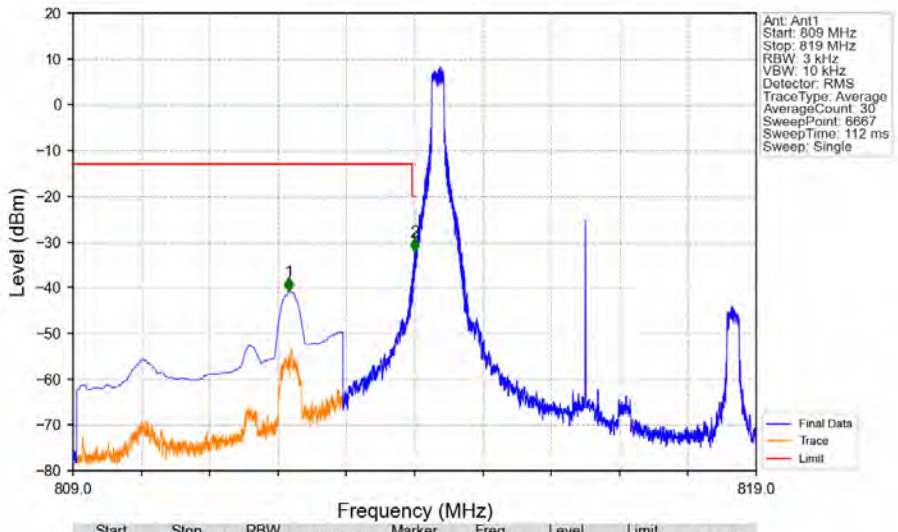
5.3 B26a_5MHz

5.3.1 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

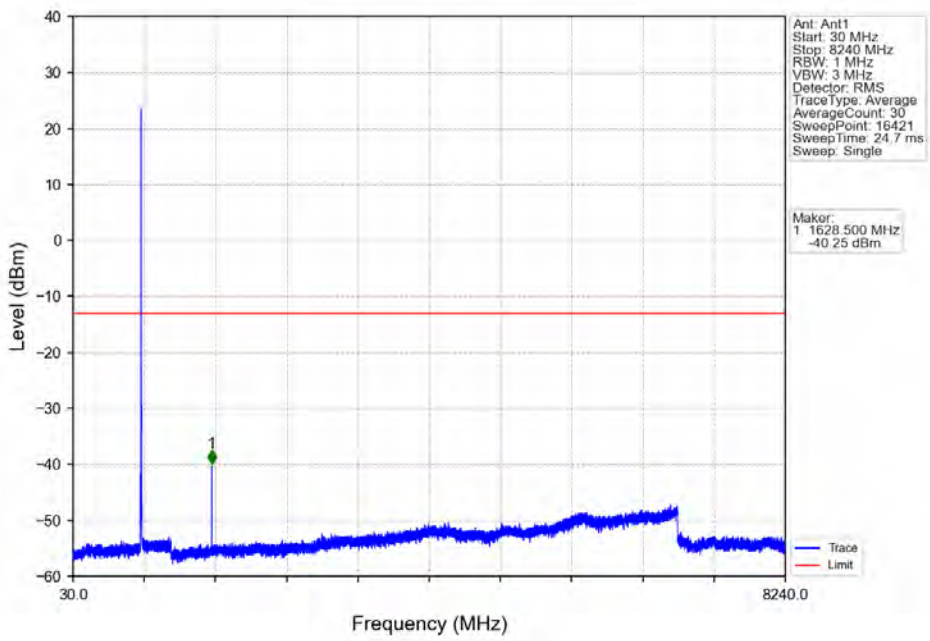
5.3.2 Test Graph

Band26a_5MHz_QPSK_LCH_816.5MHz_RB_1_0_NTNV

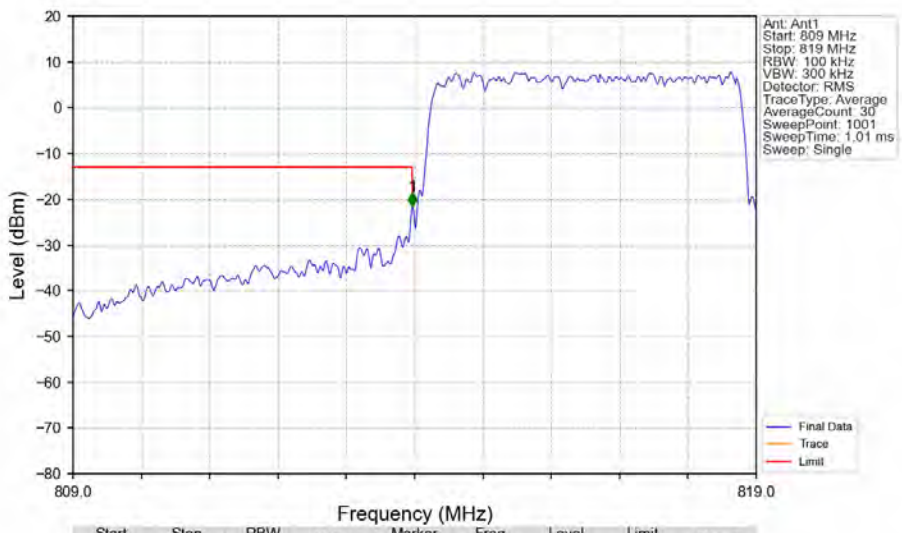


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	813	0.1	CHP	1	812.159	-40.88	-13	Pass
813	814	0.003	/	2	814.000	-32.23	-20	Pass
814	819	0.003	/	/	/	/	/	/

Band26a_5MHz_QPSK_LCH_816.5MHz_RB_1_0_NTNV

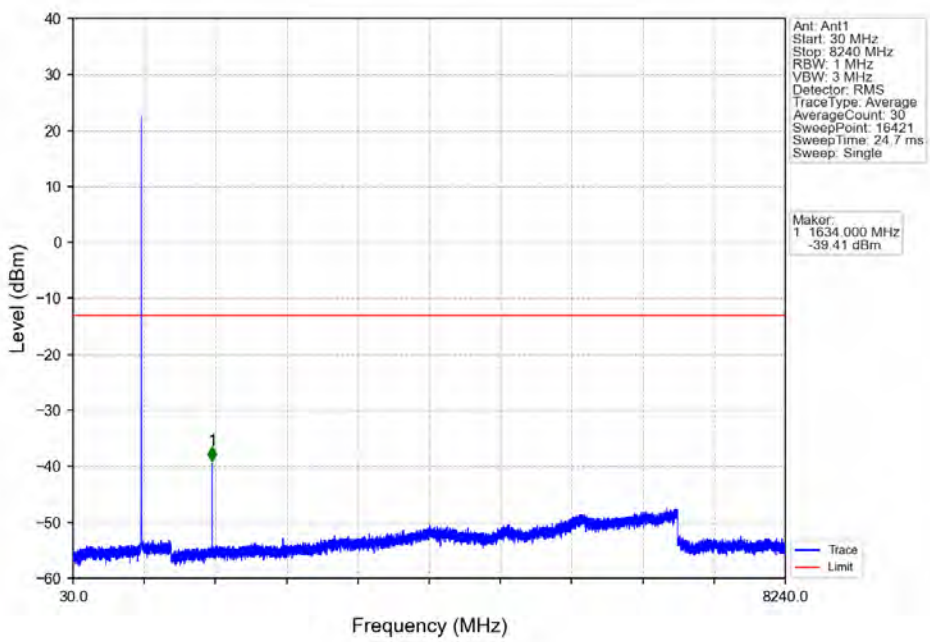


Band26a_5MHz_QPSK_LCH_816.5MHz_RB_25_0_NTNV

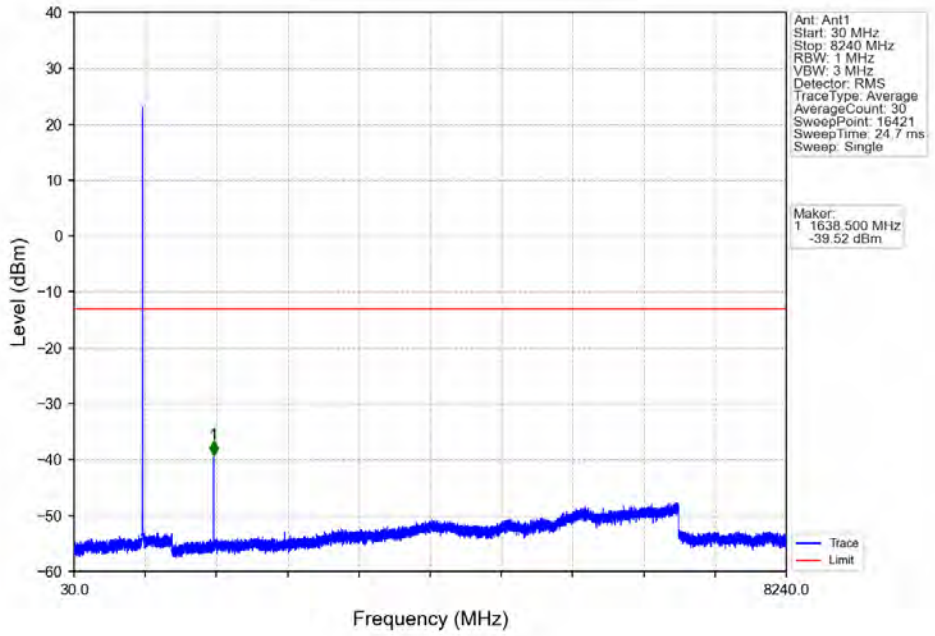


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
809	814	0.1	/	1	813.970	-21.68	-20	Pass
814	819	0.1	/	/	/	/	/	/

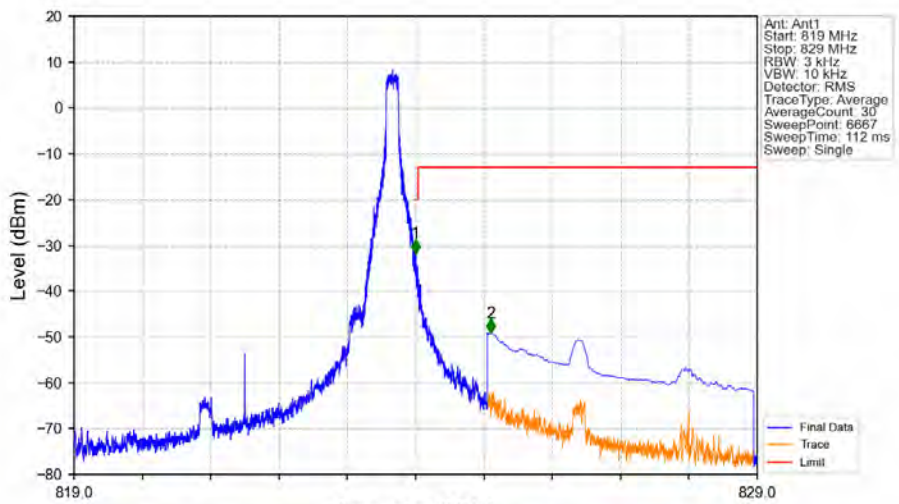
Band26a_5MHz_QPSK_MCH_819MHz_RB_1_0_NTNV



Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_0_NTNV

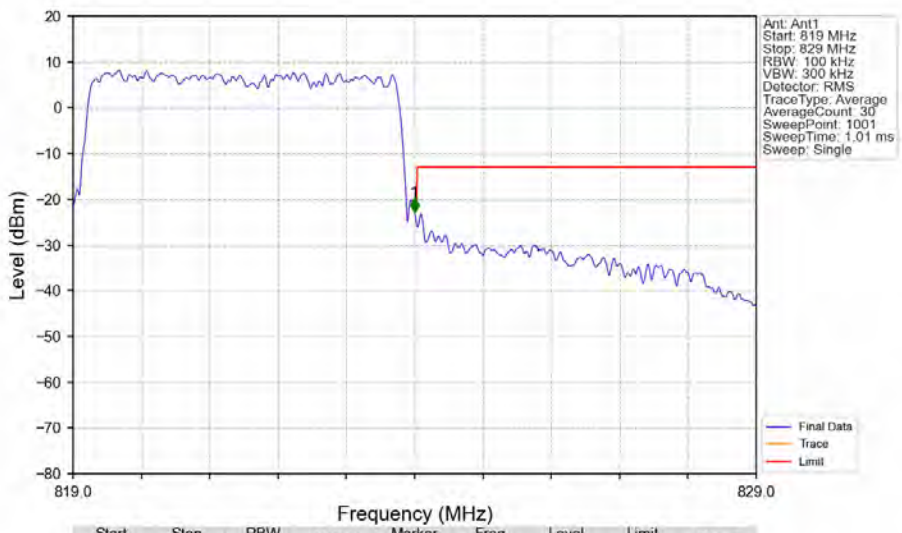


Band26a_5MHz_QPSK_HCH_821.5MHz_RB_1_24_NTNV



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	-31.78	-20	Pass
825	829	0.1	CHP	2	825.104	-49.08	-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	0.1	/	/	/	/	/	/
824	829	0.1	/	1	824.000	-22.90	-20	Pass

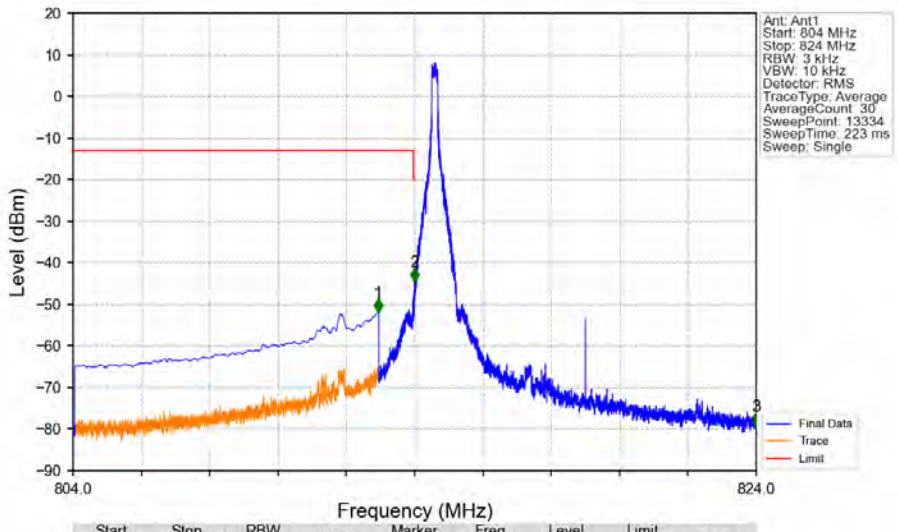
5.4 B26a_10MHz

5.4.1 Test Result

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

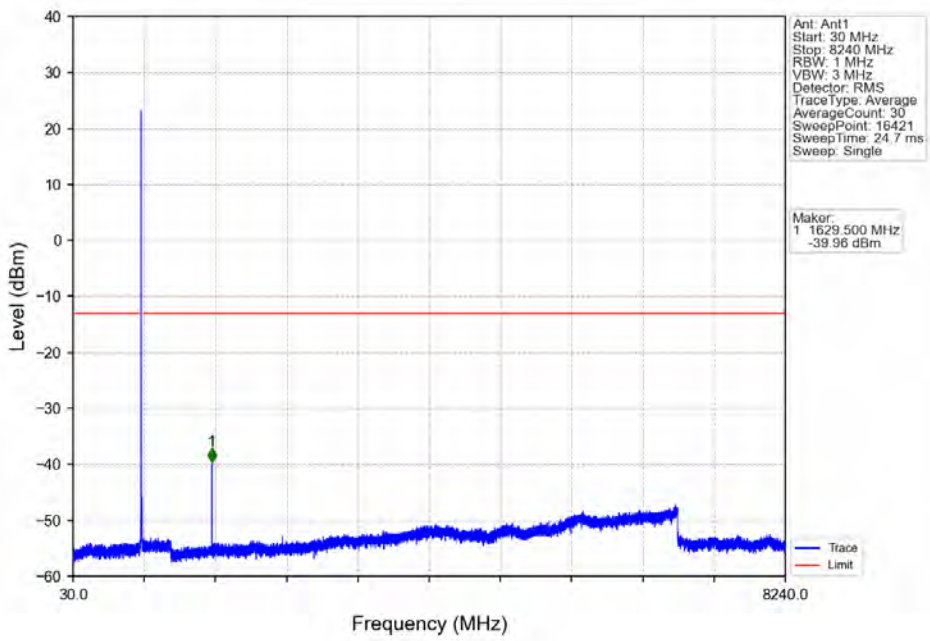
5.4.2 Test Graph

Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

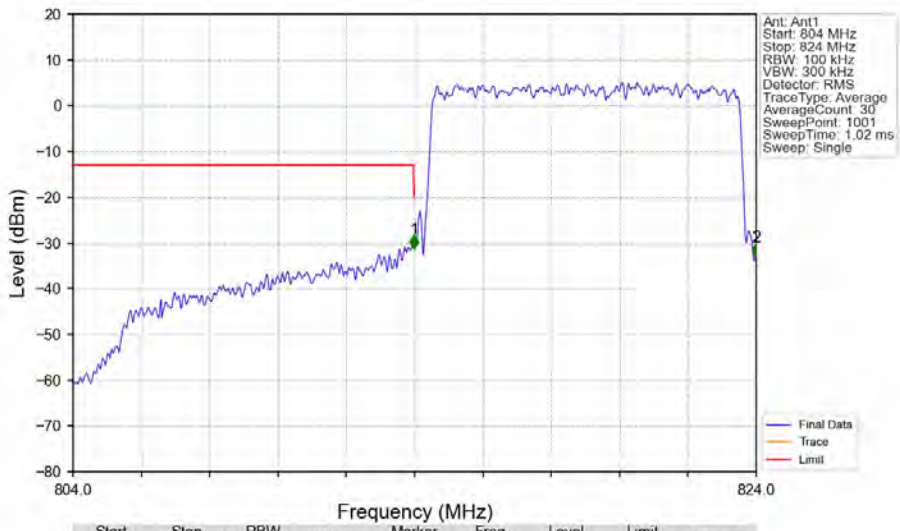


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	813	0.1	CHP	1	812.937	-52.01	-13	Pass
813	814	0.003	/	2	813.996	-44.54	-20	Pass
814	824	0.003	/	3	824.000	-79.46	-13	Pass

Band26a_10MHz_QPSK_LCH_819MHz_RB_1_0_NTNV

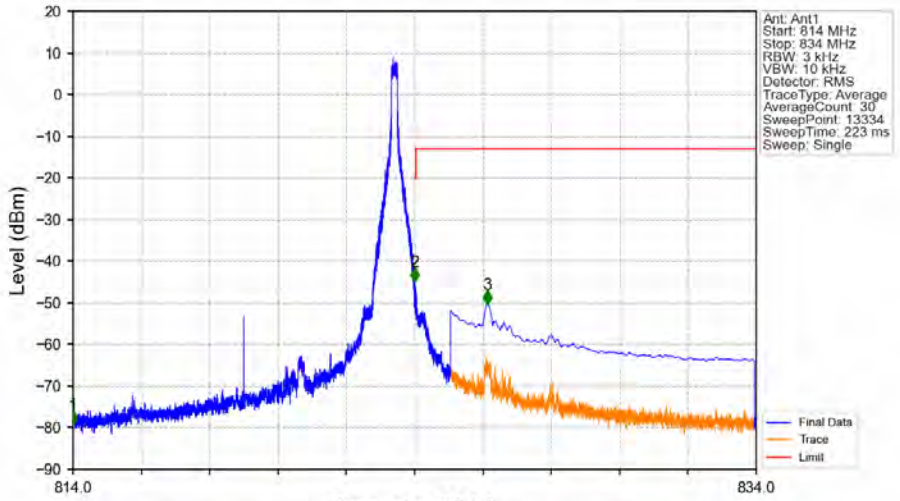


Band26a_10MHz_QPSK_LCH_819MHz_RB_50_0_NTNV



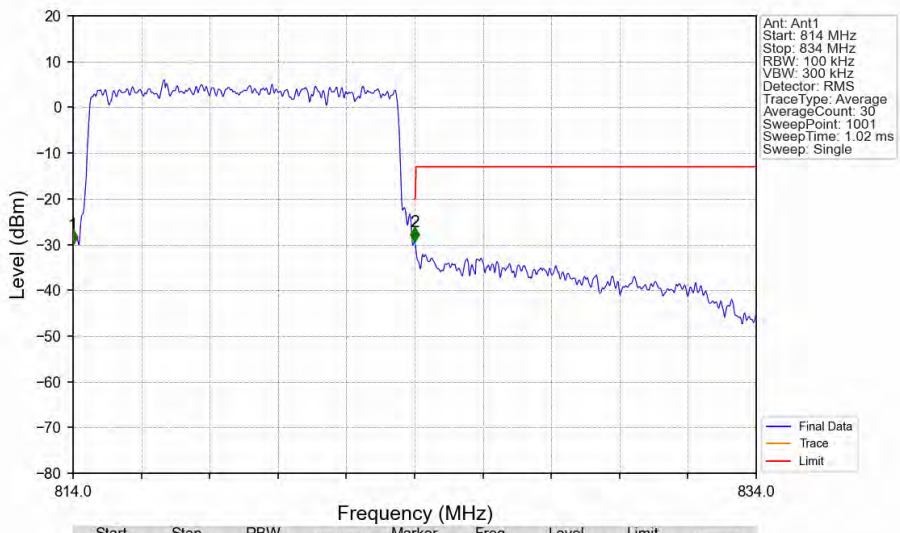
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
804	814	0.1	/	1	813.980	-31.27	-20	Pass
814	824	0.1	/	2	824.000	-33.12	-13	Pass

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	-79.38	-13	Pass
824	824	0.003	/	/	/	/	/	/
824	825	0.003	/	2	824.001	-45.08	-20	Pass
825	834	0.1	CHP	3	826.134	-50.43	-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	0.1	/	1	814.000	-29.99	-13	Pass
824	824	0.1	/	/	/	/	/	/
824	834	0.1	/	2	824.000	-29.43	-20	Pass

6. Field Strength of Spurious Radiation

LTE Band 26_10M 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	-69.47	-13	-56.47	-72.4	2.62	5.55	Horizontal	Pass
2443.5	-69.3	-13	-56.3	-71.94	3.04	5.68	Horizontal	Pass
3258.0	-67.29	-13	-54.29	-71.57	3.28	7.56	Horizontal	Pass
1629.0	-67.19	-13	-54.19	-70.12	2.62	5.55	Vertical	Pass
2443.5	-69.83	-13	-56.83	-72.47	3.04	5.68	Vertical	Pass
3258.0	-67.49	-13	-54.49	-71.77	3.28	7.56	Vertical	Pass

1) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---