

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	24.25	1.32	23.42	<=38.45	Pass
			2	24.21	1.32	23.38	<=38.45	Pass
			5	24.19	1.32	23.36	<=38.45	Pass
		3	0	24.22	1.32	23.39	<=38.45	Pass
			2	24.17	1.32	23.34	<=38.45	Pass
			3	24.16	1.32	23.33	<=38.45	Pass
		6	0	23.17	1.32	22.34	<=38.45	Pass
	836.5	1	0	24.09	1.32	23.26	<=38.45	Pass
			2	24.17	1.32	23.34	<=38.45	Pass
			5	24.10	1.32	23.27	<=38.45	Pass
		3	0	24.11	1.32	23.28	<=38.45	Pass
			2	24.10	1.32	23.27	<=38.45	Pass
			3	24.12	1.32	23.29	<=38.45	Pass
		6	0	23.03	1.32	22.20	<=38.45	Pass
	848.3	1	0	24.14	1.32	23.31	<=38.45	Pass
			2	24.16	1.32	23.33	<=38.45	Pass
			5	24.08	1.32	23.25	<=38.45	Pass
		3	0	24.11	1.32	23.28	<=38.45	Pass
			2	24.13	1.32	23.30	<=38.45	Pass
			3	24.11	1.32	23.28	<=38.45	Pass
		6	0	23.11	1.32	22.28	<=38.45	Pass
16QAM	824.7	1	0	23.38	1.32	22.55	<=38.45	Pass
			2	23.34	1.32	22.51	<=38.45	Pass
			5	23.44	1.32	22.61	<=38.45	Pass
		3	0	23.27	1.32	22.44	<=38.45	Pass
			2	23.28	1.32	22.45	<=38.45	Pass
			3	23.20	1.32	22.37	<=38.45	Pass
		6	0	22.14	1.32	21.31	<=38.45	Pass
	836.5	1	0	23.17	1.32	22.34	<=38.45	Pass
			2	23.27	1.32	22.44	<=38.45	Pass
			5	23.19	1.32	22.36	<=38.45	Pass
		3	0	23.17	1.32	22.34	<=38.45	Pass
			2	23.24	1.32	22.41	<=38.45	Pass
			3	23.22	1.32	22.39	<=38.45	Pass
		6	0	22.07	1.32	21.24	<=38.45	Pass
	848.3	1	0	23.25	1.32	22.42	<=38.45	Pass
			2	23.31	1.32	22.48	<=38.45	Pass
			5	23.25	1.32	22.42	<=38.45	Pass
		3	0	23.13	1.32	22.30	<=38.45	Pass
			2	23.10	1.32	22.27	<=38.45	Pass
			3	23.12	1.32	22.29	<=38.45	Pass
		6	0	22.18	1.32	21.35	<=38.45	Pass
64QAM	824.7	1	0	22.35	1.32	21.52	<=38.45	Pass
			2	22.42	1.32	21.59	<=38.45	Pass
			5	22.33	1.32	21.50	<=38.45	Pass
		3	0	22.22	1.32	21.39	<=38.45	Pass
			2	22.25	1.32	21.42	<=38.45	Pass
			3	22.21	1.32	21.38	<=38.45	Pass
		6	0	21.19	1.32	20.36	<=38.45	Pass
	836.5	1	0	22.22	1.32	21.39	<=38.45	Pass

			2	22.27	1.32	21.44	<=38.45	Pass
			5	22.21	1.32	21.38	<=38.45	Pass
		3	0	22.16	1.32	21.33	<=38.45	Pass
			2	22.19	1.32	21.36	<=38.45	Pass
			3	22.17	1.32	21.34	<=38.45	Pass
		6	0	21.06	1.32	20.23	<=38.45	Pass
	848.3	1	0	22.25	1.32	21.42	<=38.45	Pass
			2	22.29	1.32	21.46	<=38.45	Pass
			5	22.32	1.32	21.49	<=38.45	Pass
		3	0	22.16	1.32	21.33	<=38.45	Pass
			2	22.17	1.32	21.34	<=38.45	Pass
			3	22.13	1.32	21.30	<=38.45	Pass
		6	0	21.11	1.32	20.28	<=38.45	Pass
	Note1: ERP=Conducted Power+Antenna Gain-2.15							

1.1.2 B5_3MHz_ERP

Band: 5 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	825.5	1	0	24.19	1.32	23.36	<=38.45	Pass
			7	24.22	1.32	23.39	<=38.45	Pass
			14	24.13	1.32	23.30	<=38.45	Pass
		8	0	23.23	1.32	22.40	<=38.45	Pass
			4	23.20	1.32	22.37	<=38.45	Pass
			7	23.18	1.32	22.35	<=38.45	Pass
		15	0	23.17	1.32	22.34	<=38.45	Pass
	836.5	1	0	24.11	1.32	23.28	<=38.45	Pass
			7	24.21	1.32	23.38	<=38.45	Pass
			14	24.12	1.32	23.29	<=38.45	Pass
		8	0	23.08	1.32	22.25	<=38.45	Pass
			4	23.16	1.32	22.33	<=38.45	Pass
			7	23.14	1.32	22.31	<=38.45	Pass
		15	0	23.06	1.32	22.23	<=38.45	Pass
	847.5	1	0	24.02	1.32	23.19	<=38.45	Pass
			7	24.14	1.32	23.31	<=38.45	Pass
			14	24.02	1.32	23.19	<=38.45	Pass
		8	0	23.05	1.32	22.22	<=38.45	Pass
			4	23.08	1.32	22.25	<=38.45	Pass
			7	23.14	1.32	22.31	<=38.45	Pass
		15	0	23.06	1.32	22.23	<=38.45	Pass
16QAM	825.5	1	0	23.33	1.32	22.50	<=38.45	Pass
			7	23.28	1.32	22.45	<=38.45	Pass
			14	23.34	1.32	22.51	<=38.45	Pass
		8	0	22.22	1.32	21.39	<=38.45	Pass
			4	22.21	1.32	21.38	<=38.45	Pass
			7	22.22	1.32	21.39	<=38.45	Pass
		15	0	22.21	1.32	21.38	<=38.45	Pass
	836.5	1	0	23.27	1.32	22.44	<=38.45	Pass
			7	23.26	1.32	22.43	<=38.45	Pass
			14	23.30	1.32	22.47	<=38.45	Pass
		8	0	22.16	1.32	21.33	<=38.45	Pass
			4	22.27	1.32	21.44	<=38.45	Pass
			7	22.18	1.32	21.35	<=38.45	Pass
		15	0	22.09	1.32	21.26	<=38.45	Pass
	847.5	1	0	23.34	1.32	22.51	<=38.45	Pass
			7	23.25	1.32	22.42	<=38.45	Pass
			14	23.31	1.32	22.48	<=38.45	Pass
		8	0	22.04	1.32	21.21	<=38.45	Pass

		15	4	22.11	1.32	21.28	<=38.45	Pass		
			7	22.10	1.32	21.27	<=38.45	Pass		
			0	22.08	1.32	21.25	<=38.45	Pass		
64QAM	825.5	1	0	22.35	1.32	21.52	<=38.45	Pass		
			7	22.40	1.32	21.57	<=38.45	Pass		
			14	22.38	1.32	21.55	<=38.45	Pass		
		8	0	21.16	1.32	20.33	<=38.45	Pass		
			4	21.23	1.32	20.40	<=38.45	Pass		
			7	21.17	1.32	20.34	<=38.45	Pass		
		15	0	21.16	1.32	20.33	<=38.45	Pass		
		836.5	1	0	22.33	1.32	21.50	<=38.45	Pass	
				7	22.33	1.32	21.50	<=38.45	Pass	
	14			22.28	1.32	21.45	<=38.45	Pass		
	8		0	21.06	1.32	20.23	<=38.45	Pass		
			4	21.20	1.32	20.37	<=38.45	Pass		
			7	21.11	1.32	20.28	<=38.45	Pass		
	15		0	21.06	1.32	20.23	<=38.45	Pass		
	847.5		1	0	22.19	1.32	21.36	<=38.45	Pass	
				7	22.18	1.32	21.35	<=38.45	Pass	
		14		22.19	1.32	21.36	<=38.45	Pass		
		8	0	21.05	1.32	20.22	<=38.45	Pass		
			4	21.06	1.32	20.23	<=38.45	Pass		
			7	21.14	1.32	20.31	<=38.45	Pass		
		15	0	21.05	1.32	20.22	<=38.45	Pass		
		Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B5_5MHz_ERP

Band: 5 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	826.5	1	0	24.22	1.32	23.39	<=38.45	Pass
			13	24.28	1.32	23.45	<=38.45	Pass
			24	24.20	1.32	23.37	<=38.45	Pass
		12	0	23.15	1.32	22.32	<=38.45	Pass
			6	23.19	1.32	22.36	<=38.45	Pass
			13	23.20	1.32	22.37	<=38.45	Pass
		25	0	23.23	1.32	22.40	<=38.45	Pass
	836.5	1	0	24.17	1.32	23.34	<=38.45	Pass
			13	24.24	1.32	23.41	<=38.45	Pass
			24	24.16	1.32	23.33	<=38.45	Pass
		12	0	23.10	1.32	22.27	<=38.45	Pass
			6	23.12	1.32	22.29	<=38.45	Pass
			13	23.15	1.32	22.32	<=38.45	Pass
		25	0	23.07	1.32	22.24	<=38.45	Pass
	846.5	1	0	24.12	1.32	23.29	<=38.45	Pass
			13	24.21	1.32	23.38	<=38.45	Pass
			24	24.14	1.32	23.31	<=38.45	Pass
		12	0	23.07	1.32	22.24	<=38.45	Pass
			6	23.08	1.32	22.25	<=38.45	Pass
			13	23.11	1.32	22.28	<=38.45	Pass
		25	0	23.09	1.32	22.26	<=38.45	Pass
16QAM	826.5	1	0	23.29	1.32	22.46	<=38.45	Pass
			13	23.33	1.32	22.50	<=38.45	Pass
			24	23.36	1.32	22.53	<=38.45	Pass
		12	0	22.14	1.32	21.31	<=38.45	Pass
			6	22.24	1.32	21.41	<=38.45	Pass
			13	22.20	1.32	21.37	<=38.45	Pass
		25	0	22.22	1.32	21.39	<=38.45	Pass

	836.5	1	0	23.35	1.32	22.52	<=38.45	Pass
			13	23.37	1.32	22.54	<=38.45	Pass
			24	23.32	1.32	22.49	<=38.45	Pass
		12	0	22.14	1.32	21.31	<=38.45	Pass
			6	22.13	1.32	21.30	<=38.45	Pass
			13	22.22	1.32	21.39	<=38.45	Pass
		25	0	22.10	1.32	21.27	<=38.45	Pass
	846.5	1	0	23.23	1.32	22.40	<=38.45	Pass
			13	23.22	1.32	22.39	<=38.45	Pass
			24	23.29	1.32	22.46	<=38.45	Pass
		12	0	22.07	1.32	21.24	<=38.45	Pass
			6	22.11	1.32	21.28	<=38.45	Pass
			13	22.16	1.32	21.33	<=38.45	Pass
		25	0	22.06	1.32	21.23	<=38.45	Pass
64QAM	826.5	1	0	22.46	1.32	21.63	<=38.45	Pass
			13	22.44	1.32	21.61	<=38.45	Pass
			24	22.37	1.32	21.54	<=38.45	Pass
		12	0	21.20	1.32	20.37	<=38.45	Pass
			6	21.25	1.32	20.42	<=38.45	Pass
			13	21.17	1.32	20.34	<=38.45	Pass
		25	0	21.21	1.32	20.38	<=38.45	Pass
	836.5	1	0	22.24	1.32	21.41	<=38.45	Pass
			13	22.30	1.32	21.47	<=38.45	Pass
			24	22.27	1.32	21.44	<=38.45	Pass
		12	0	21.11	1.32	20.28	<=38.45	Pass
			6	21.13	1.32	20.30	<=38.45	Pass
			13	21.18	1.32	20.35	<=38.45	Pass
		25	0	21.06	1.32	20.23	<=38.45	Pass
	846.5	1	0	22.33	1.32	21.50	<=38.45	Pass
			13	22.42	1.32	21.59	<=38.45	Pass
			24	22.38	1.32	21.55	<=38.45	Pass
		12	0	21.14	1.32	20.31	<=38.45	Pass
			6	21.14	1.32	20.31	<=38.45	Pass
			13	21.17	1.32	20.34	<=38.45	Pass
		25	0	21.02	1.32	20.19	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	24.17	1.32	23.34	<=38.45	Pass
			25	24.15	1.32	23.32	<=38.45	Pass
			49	24.09	1.32	23.26	<=38.45	Pass
		25	0	23.16	1.32	22.33	<=38.45	Pass
			13	23.24	1.32	22.41	<=38.45	Pass
			25	23.17	1.32	22.34	<=38.45	Pass
		50	0	23.20	1.32	22.37	<=38.45	Pass
	836.5	1	0	24.18	1.32	23.35	<=38.45	Pass
			25	24.18	1.32	23.35	<=38.45	Pass
			49	24.12	1.32	23.29	<=38.45	Pass
		25	0	23.12	1.32	22.29	<=38.45	Pass
			13	23.14	1.32	22.31	<=38.45	Pass
			25	23.17	1.32	22.34	<=38.45	Pass
		50	0	23.10	1.32	22.27	<=38.45	Pass
	844	1	0	24.08	1.32	23.25	<=38.45	Pass
			25	24.09	1.32	23.26	<=38.45	Pass
			49	24.09	1.32	23.26	<=38.45	Pass

		25	0	23.09	1.32	22.26	<=38.45	Pass		
			13	23.18	1.32	22.35	<=38.45	Pass		
			25	23.14	1.32	22.31	<=38.45	Pass		
		50	0	23.17	1.32	22.34	<=38.45	Pass		
16QAM	829	1	0	23.45	1.32	22.62	<=38.45	Pass		
			25	23.35	1.32	22.52	<=38.45	Pass		
			49	23.36	1.32	22.53	<=38.45	Pass		
		25	0	22.18	1.32	21.35	<=38.45	Pass		
			13	22.26	1.32	21.43	<=38.45	Pass		
			25	22.20	1.32	21.37	<=38.45	Pass		
		50	0	22.19	1.32	21.36	<=38.45	Pass		
		836.5	1	0	23.34	1.32	22.51	<=38.45	Pass	
				25	23.22	1.32	22.39	<=38.45	Pass	
	49			23.18	1.32	22.35	<=38.45	Pass		
	25		0	22.14	1.32	21.31	<=38.45	Pass		
			13	22.14	1.32	21.31	<=38.45	Pass		
			25	22.19	1.32	21.36	<=38.45	Pass		
	50		0	22.12	1.32	21.29	<=38.45	Pass		
	844		1	0	23.36	1.32	22.53	<=38.45	Pass	
				25	23.41	1.32	22.58	<=38.45	Pass	
		49		23.35	1.32	22.52	<=38.45	Pass		
		25	0	22.11	1.32	21.28	<=38.45	Pass		
			13	22.22	1.32	21.39	<=38.45	Pass		
			25	22.14	1.32	21.31	<=38.45	Pass		
		50	0	22.16	1.32	21.33	<=38.45	Pass		
		64QAM	829	1	0	22.37	1.32	21.54	<=38.45	Pass
					25	22.37	1.32	21.54	<=38.45	Pass
	49				22.29	1.32	21.46	<=38.45	Pass	
25	0			21.22	1.32	20.39	<=38.45	Pass		
	13			21.22	1.32	20.39	<=38.45	Pass		
	25			21.23	1.32	20.40	<=38.45	Pass		
50	0			21.18	1.32	20.35	<=38.45	Pass		
836.5	1			0	22.34	1.32	21.51	<=38.45	Pass	
				25	22.41	1.32	21.58	<=38.45	Pass	
			49	22.34	1.32	21.51	<=38.45	Pass		
	25		0	21.20	1.32	20.37	<=38.45	Pass		
			13	21.16	1.32	20.33	<=38.45	Pass		
			25	21.22	1.32	20.39	<=38.45	Pass		
50	0		21.12	1.32	20.29	<=38.45	Pass			
844	1		0	22.24	1.32	21.41	<=38.45	Pass		
			25	22.31	1.32	21.48	<=38.45	Pass		
			49	22.24	1.32	21.41	<=38.45	Pass		
	25		0	21.07	1.32	20.24	<=38.45	Pass		
			13	21.17	1.32	20.34	<=38.45	Pass		
			25	21.16	1.32	20.33	<=38.45	Pass		
	50		0	21.16	1.32	20.33	<=38.45	Pass		
	Note1: ERP=Conducted Power+Antenna Gain-2.15									

2. Frequency Stability

2.1 Test Result

2.1.1 B5_10MHz

Band: 5 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	829	50	0	20	3.3	-0.300	-0.0004	-2.5 to 2.5	Pass
					3.8	-0.600	-0.0007	-2.5 to 2.5	Pass
					4.4	-0.600	-0.0007	-2.5 to 2.5	Pass
				-30	3.8	0.200	0.0002	-2.5 to 2.5	Pass
				-20	3.8	0.500	0.0006	-2.5 to 2.5	Pass
				-10	3.8	0.000	0.0000	-2.5 to 2.5	Pass
				0	3.8	-0.900	-0.0011	-2.5 to 2.5	Pass
				10	3.8	-0.300	-0.0004	-2.5 to 2.5	Pass
				30	3.8	0.300	0.0004	-2.5 to 2.5	Pass
				40	3.8	1.100	0.0013	-2.5 to 2.5	Pass
				50	3.8	1.300	0.0016	-2.5 to 2.5	Pass
	836.5	50	0	20	3.3	0.000	0.0000	-2.5 to 2.5	Pass
					3.8	-1.100	-0.0013	-2.5 to 2.5	Pass
					4.4	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.8	0.400	0.0005	-2.5 to 2.5	Pass
				-20	3.8	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.8	0.500	0.0006	-2.5 to 2.5	Pass
				0	3.8	0.600	0.0007	-2.5 to 2.5	Pass
				10	3.8	-0.500	-0.0006	-2.5 to 2.5	Pass
				30	3.8	1.600	0.0019	-2.5 to 2.5	Pass
				40	3.8	1.500	0.0018	-2.5 to 2.5	Pass
				50	3.8	0.500	0.0006	-2.5 to 2.5	Pass
	844	50	0	20	3.3	0.900	0.0011	-2.5 to 2.5	Pass
					3.8	0.400	0.0005	-2.5 to 2.5	Pass
					4.4	1.400	0.0017	-2.5 to 2.5	Pass
				-30	3.8	1.000	0.0012	-2.5 to 2.5	Pass
				-20	3.8	0.300	0.0004	-2.5 to 2.5	Pass
				-10	3.8	0.200	0.0002	-2.5 to 2.5	Pass
				0	3.8	1.000	0.0012	-2.5 to 2.5	Pass
				10	3.8	0.500	0.0006	-2.5 to 2.5	Pass
				30	3.8	1.800	0.0021	-2.5 to 2.5	Pass
				40	3.8	0.700	0.0008	-2.5 to 2.5	Pass
				50	3.8	0.300	0.0004	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.3	-0.100	-0.0001	-2.5 to 2.5	Pass
					3.8	-0.500	-0.0006	-2.5 to 2.5	Pass
					4.4	0.100	0.0001	-2.5 to 2.5	Pass
				-30	3.8	-1.700	-0.0021	-2.5 to 2.5	Pass
				-20	3.8	-0.100	-0.0001	-2.5 to 2.5	Pass
				-10	3.8	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.8	-2.200	-0.0027	-2.5 to 2.5	Pass
				10	3.8	-1.200	-0.0014	-2.5 to 2.5	Pass
				30	3.8	0.400	0.0005	-2.5 to 2.5	Pass
				40	3.8	1.000	0.0012	-2.5 to 2.5	Pass
				50	3.8	-0.400	-0.0005	-2.5 to 2.5	Pass
	836.5	50	0	20	3.3	1.400	0.0017	-2.5 to 2.5	Pass
					3.8	0.700	0.0008	-2.5 to 2.5	Pass
					4.4	1.700	0.0020	-2.5 to 2.5	Pass
				-30	3.8	2.100	0.0025	-2.5 to 2.5	Pass

				-20	3.8	0.100	0.0001	-2.5 to 2.5	Pass
				-10	3.8	1.800	0.0022	-2.5 to 2.5	Pass
				0	3.8	1.400	0.0017	-2.5 to 2.5	Pass
				10	3.8	1.000	0.0012	-2.5 to 2.5	Pass
				30	3.8	-0.400	-0.0005	-2.5 to 2.5	Pass
				40	3.8	2.200	0.0026	-2.5 to 2.5	Pass
				50	3.8	0.500	0.0006	-2.5 to 2.5	Pass
	844	50	0	20	3.3	0.800	0.0009	-2.5 to 2.5	Pass
					3.8	-0.100	-0.0001	-2.5 to 2.5	Pass
					4.4	-0.800	-0.0009	-2.5 to 2.5	Pass
				-30	3.8	0.200	0.0002	-2.5 to 2.5	Pass
				-20	3.8	-0.200	-0.0002	-2.5 to 2.5	Pass
				-10	3.8	-0.200	-0.0002	-2.5 to 2.5	Pass
				0	3.8	0.200	0.0002	-2.5 to 2.5	Pass
				10	3.8	0.500	0.0006	-2.5 to 2.5	Pass
				30	3.8	-1.100	-0.0013	-2.5 to 2.5	Pass
				40	3.8	0.200	0.0002	-2.5 to 2.5	Pass
				50	3.8	0.800	0.0009	-2.5 to 2.5	Pass
64QAM	829	50	0	20	3.3	9.000	0.0109	-2.5 to 2.5	Pass
					3.8	-14.900	-0.0180	-2.5 to 2.5	Pass
					4.4	7.100	0.0086	-2.5 to 2.5	Pass
				-30	3.8	9.200	0.0111	-2.5 to 2.5	Pass
				-20	3.8	18.800	0.0227	-2.5 to 2.5	Pass
				-10	3.8	-6.700	-0.0081	-2.5 to 2.5	Pass
				0	3.8	-7.200	-0.0087	-2.5 to 2.5	Pass
				10	3.8	-8.300	-0.0100	-2.5 to 2.5	Pass
				30	3.8	21.500	0.0259	-2.5 to 2.5	Pass
				40	3.8	20.300	0.0245	-2.5 to 2.5	Pass
				50	3.8	-6.400	-0.0077	-2.5 to 2.5	Pass
	836.5	50	0	20	3.3	8.300	0.0099	-2.5 to 2.5	Pass
					3.8	5.200	0.0062	-2.5 to 2.5	Pass
					4.4	-9.900	-0.0118	-2.5 to 2.5	Pass
				-30	3.8	9.800	0.0117	-2.5 to 2.5	Pass
				-20	3.8	21.800	0.0261	-2.5 to 2.5	Pass
				-10	3.8	6.800	0.0081	-2.5 to 2.5	Pass
				0	3.8	20.300	0.0243	-2.5 to 2.5	Pass
				10	3.8	9.200	0.0110	-2.5 to 2.5	Pass
				30	3.8	-3.200	-0.0038	-2.5 to 2.5	Pass
				40	3.8	6.700	0.0080	-2.5 to 2.5	Pass
				50	3.8	12.200	0.0146	-2.5 to 2.5	Pass
	844	50	0	20	3.3	-7.800	-0.0092	-2.5 to 2.5	Pass
					3.8	2.800	0.0033	-2.5 to 2.5	Pass
					4.4	18.800	0.0223	-2.5 to 2.5	Pass
				-30	3.8	18.100	0.0214	-2.5 to 2.5	Pass
				-20	3.8	-12.000	-0.0142	-2.5 to 2.5	Pass
				-10	3.8	15.100	0.0179	-2.5 to 2.5	Pass
				0	3.8	-22.500	-0.0267	-2.5 to 2.5	Pass
				10	3.8	-4.400	-0.0052	-2.5 to 2.5	Pass
				30	3.8	-8.600	-0.0102	-2.5 to 2.5	Pass
				40	3.8	23.600	0.0280	-2.5 to 2.5	Pass
				50	3.8	7.900	0.0094	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

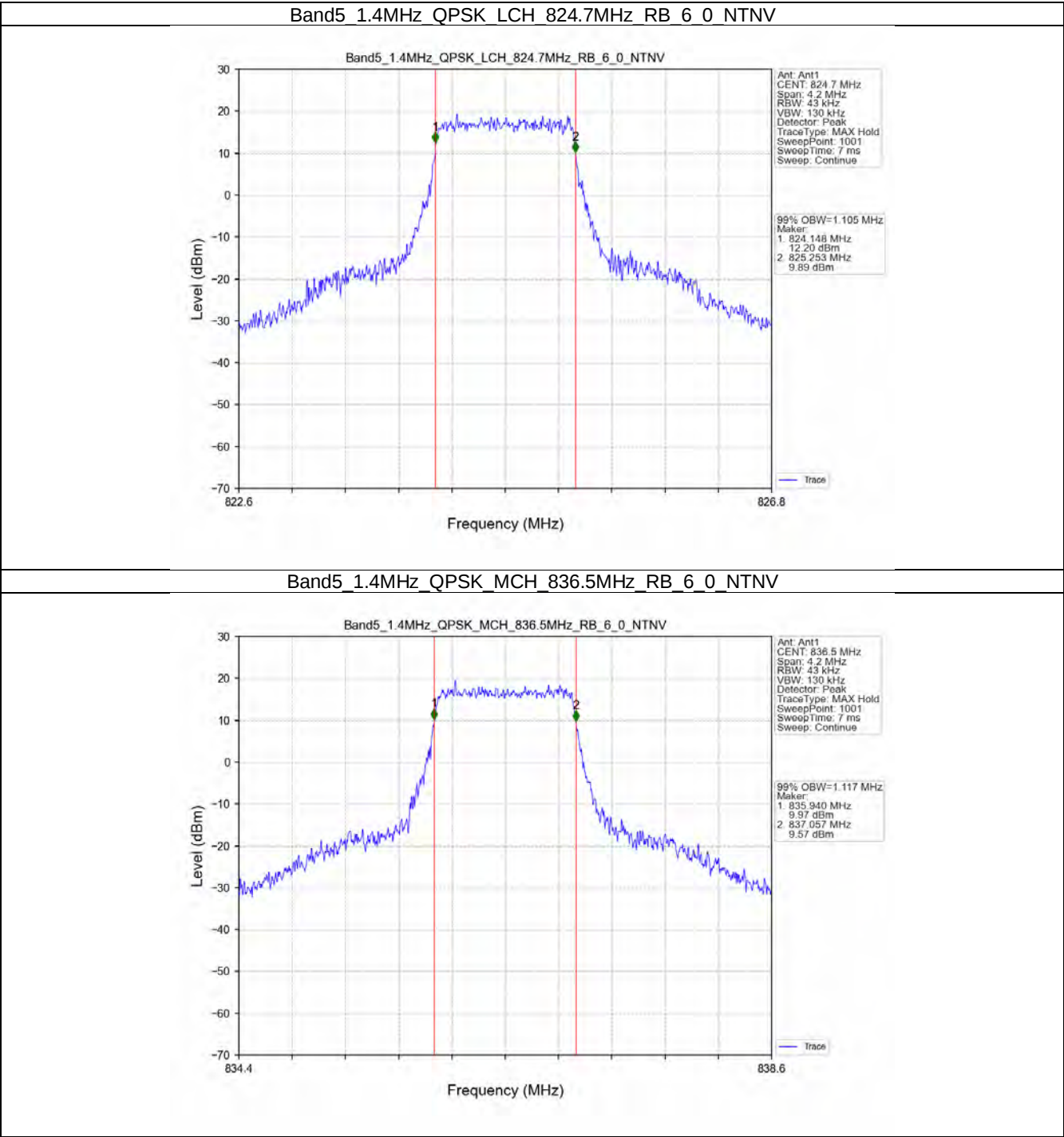
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.105	/	Pass
		836.5	6	0	1.117	/	Pass
		848.3	6	0	1.111	/	Pass
	16QAM	824.7	6	0	1.127	/	Pass
		836.5	6	0	1.122	/	Pass
		848.3	6	0	1.120	/	Pass
	64QAM	824.7	6	0	1.113	/	Pass
		836.5	6	0	1.118	/	Pass
		848.3	6	0	1.118	/	Pass
3	QPSK	825.5	15	0	2.716	/	Pass
		836.5	15	0	2.722	/	Pass
		847.5	15	0	2.716	/	Pass
	16QAM	825.5	15	0	2.737	/	Pass
		836.5	15	0	2.732	/	Pass
		847.5	15	0	2.722	/	Pass
	64QAM	825.5	15	0	2.725	/	Pass
		836.5	15	0	2.726	/	Pass
		847.5	15	0	2.728	/	Pass
5	QPSK	826.5	25	0	4.541	/	Pass
		836.5	25	0	4.556	/	Pass
		846.5	25	0	4.546	/	Pass
	16QAM	826.5	25	0	4.550	/	Pass
		836.5	25	0	4.549	/	Pass
		846.5	25	0	4.539	/	Pass
	64QAM	826.5	25	0	4.558	/	Pass
		836.5	25	0	4.594	/	Pass
		846.5	25	0	4.571	/	Pass
10	QPSK	829	50	0	9.065	/	Pass
		836.5	50	0	9.113	/	Pass
		844	50	0	9.071	/	Pass
	16QAM	829	50	0	9.076	/	Pass
		836.5	50	0	9.084	/	Pass
		844	50	0	9.044	/	Pass
	64QAM	829	50	0	9.058	/	Pass
		836.5	50	0	9.085	/	Pass
		844	50	0	9.024	/	Pass

3.1.2 Band5_XDB

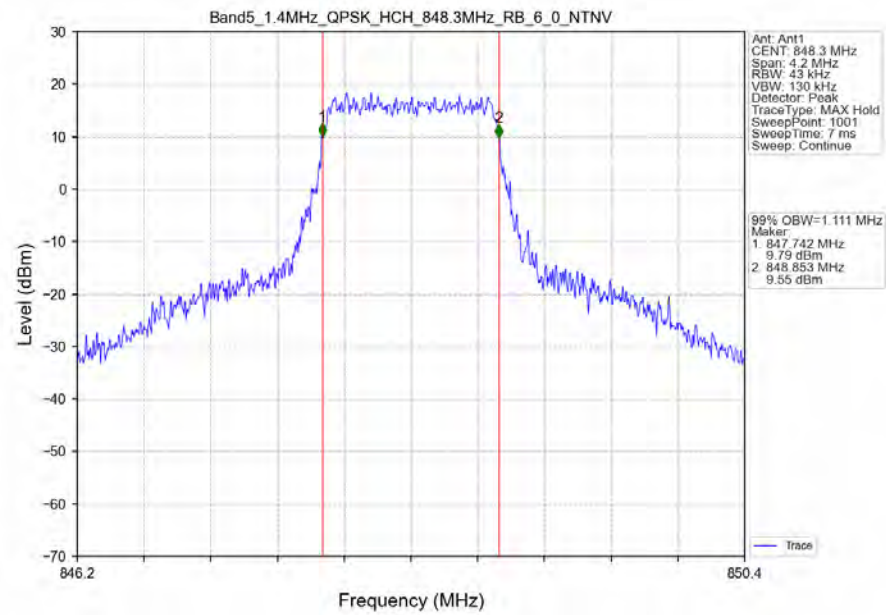
Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.370	/	Pass
		836.5	6	0	1.377	/	Pass
		848.3	6	0	1.364	/	Pass
	16QAM	824.7	6	0	1.387	/	Pass
		836.5	6	0	1.419	/	Pass
		848.3	6	0	1.398	/	Pass
	64QAM	824.7	6	0	1.359	/	Pass
		836.5	6	0	1.366	/	Pass
		848.3	6	0	1.387	/	Pass
3	QPSK	825.5	15	0	3.081	/	Pass
		836.5	15	0	3.089	/	Pass
		847.5	15	0	3.095	/	Pass
	16QAM	825.5	15	0	3.147	/	Pass
		836.5	15	0	3.106	/	Pass
		847.5	15	0	3.111	/	Pass
	64QAM	825.5	15	0	3.087	/	Pass
		836.5	15	0	3.119	/	Pass
		847.5	15	0	3.075	/	Pass
5	QPSK	826.5	25	0	5.266	/	Pass
		836.5	25	0	5.180	/	Pass
		846.5	25	0	5.282	/	Pass
	16QAM	826.5	25	0	5.253	/	Pass
		836.5	25	0	5.223	/	Pass
		846.5	25	0	5.254	/	Pass
	64QAM	826.5	25	0	5.194	/	Pass
		836.5	25	0	5.208	/	Pass
		846.5	25	0	5.199	/	Pass
10	QPSK	829	50	0	10.167	/	Pass
		836.5	50	0	10.182	/	Pass
		844	50	0	10.197	/	Pass
	16QAM	829	50	0	10.160	/	Pass
		836.5	50	0	10.290	/	Pass
		844	50	0	10.109	/	Pass
	64QAM	829	50	0	10.216	/	Pass
		836.5	50	0	10.259	/	Pass
		844	50	0	10.109	/	Pass

3.2 Test Graph

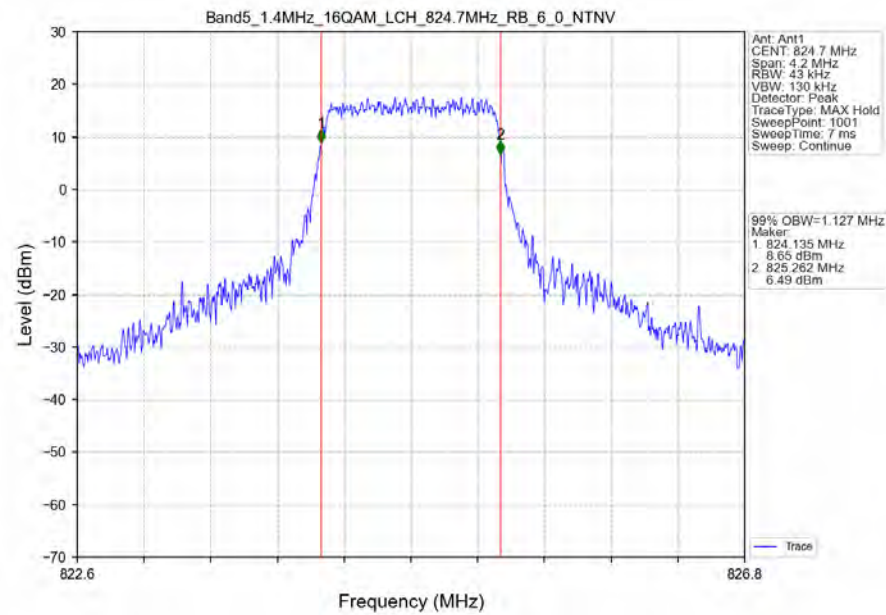
3.2.1 Band5_OBW



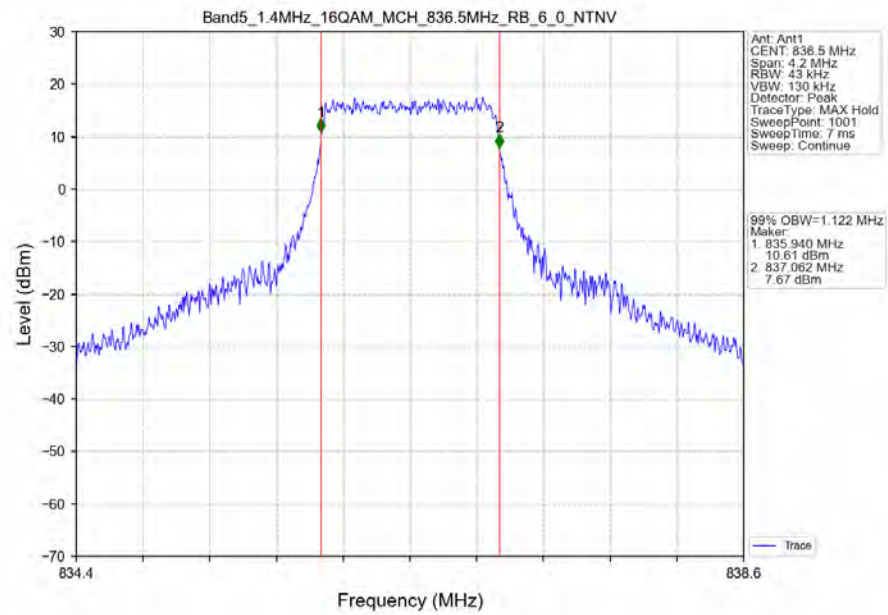
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



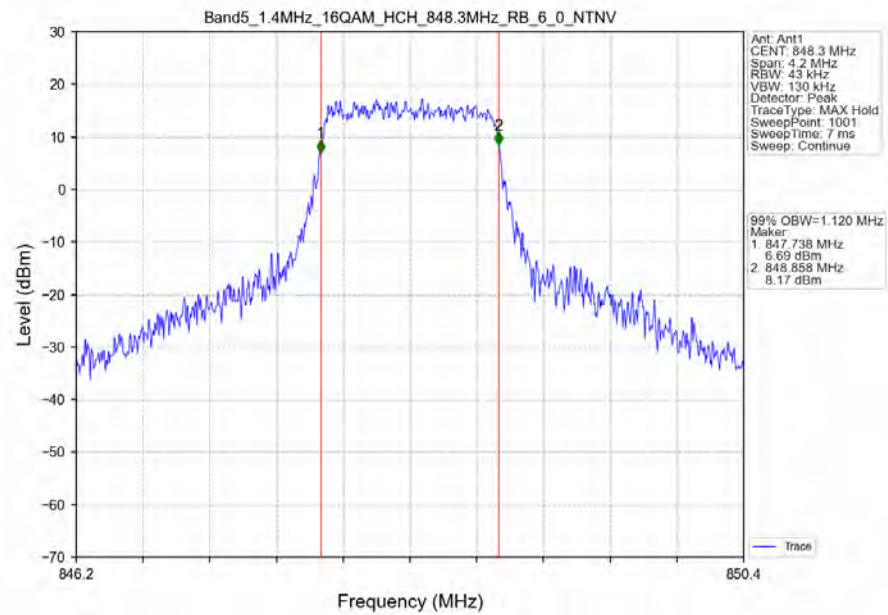
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



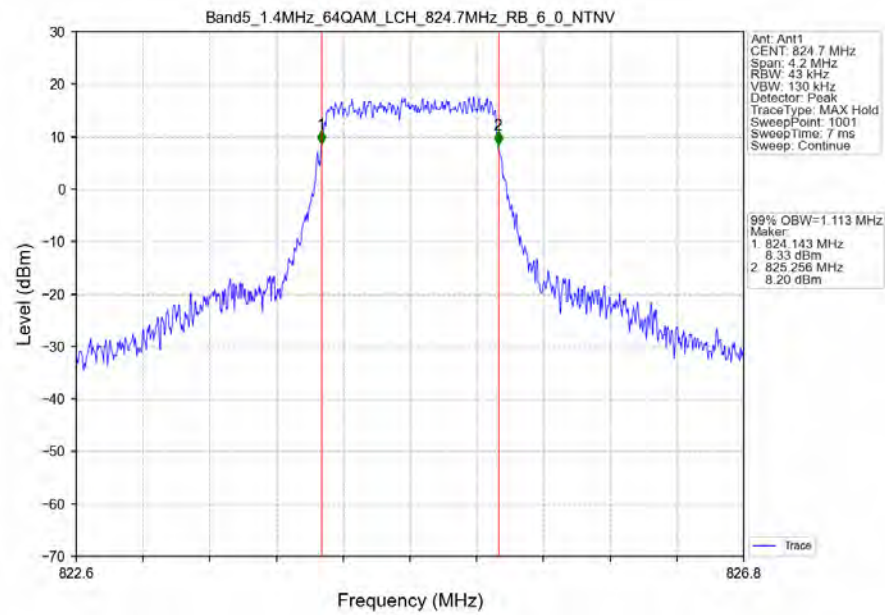
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



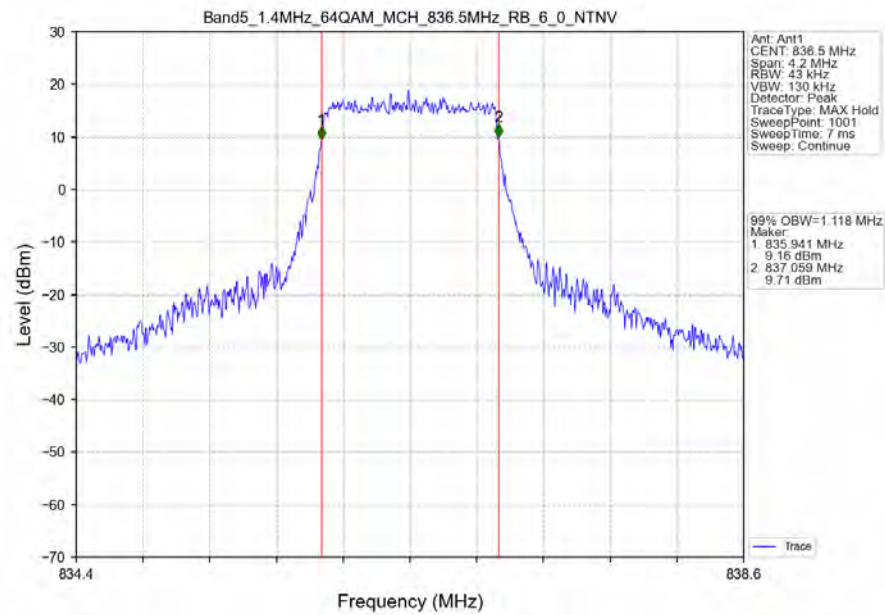
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



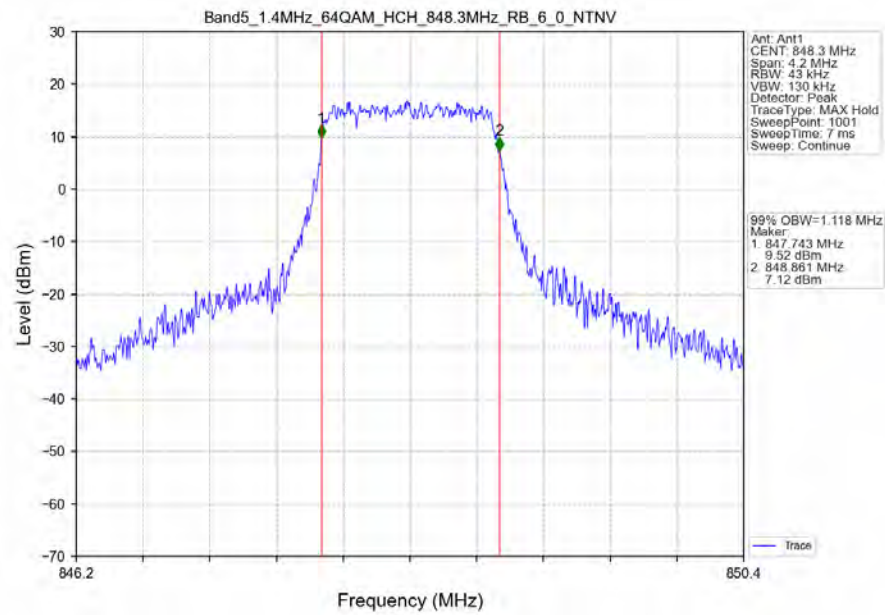
Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



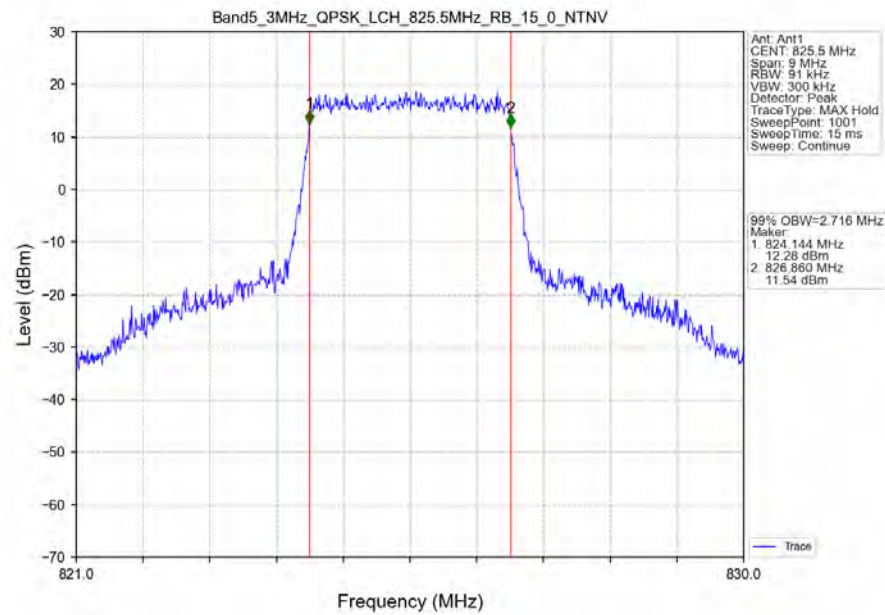
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



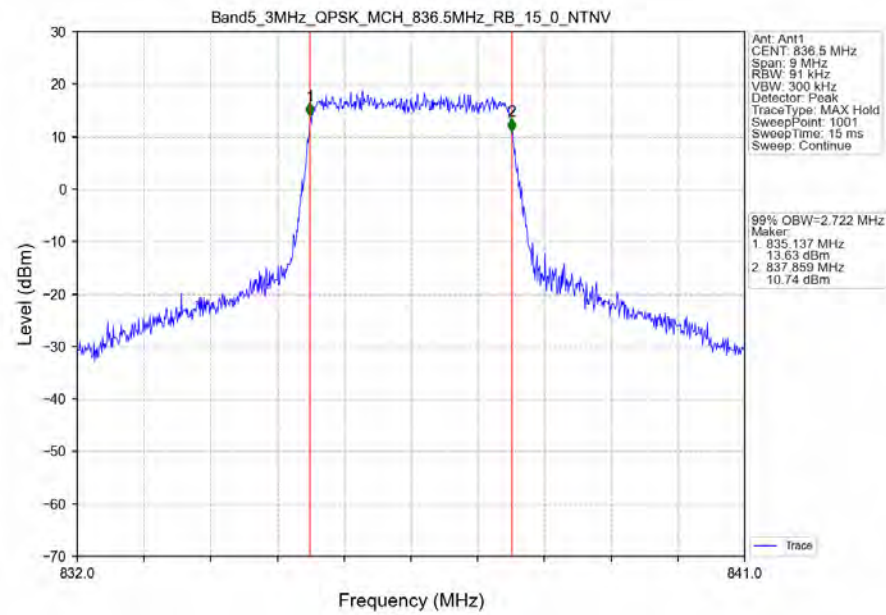
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



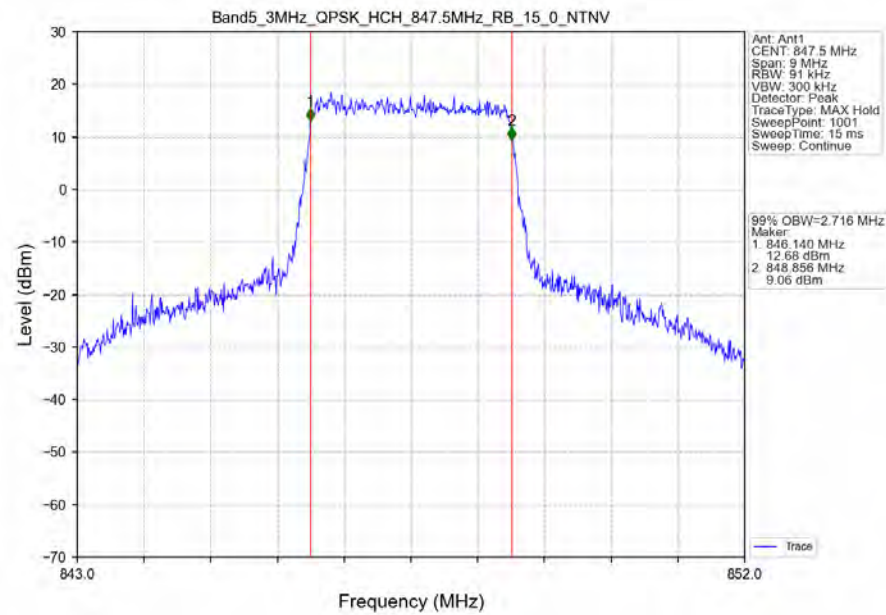
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



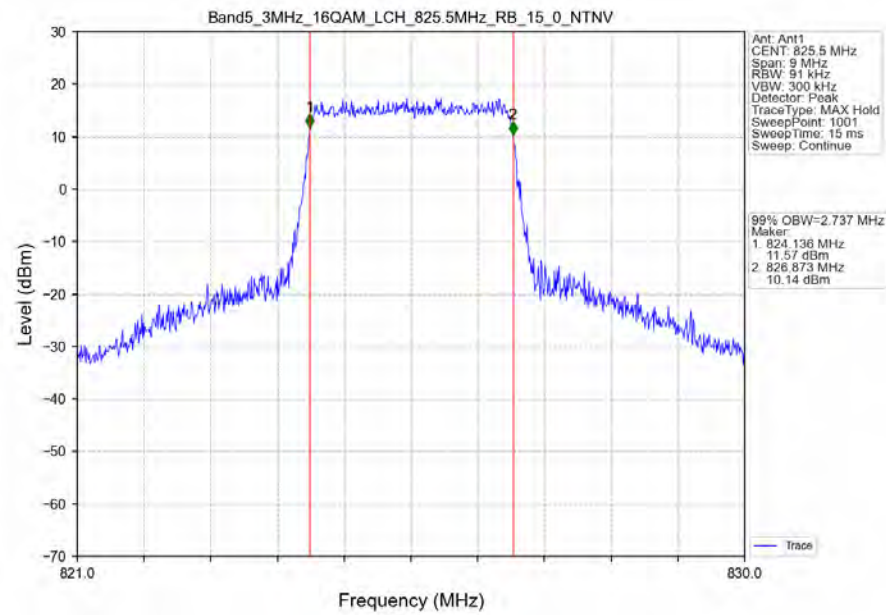
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



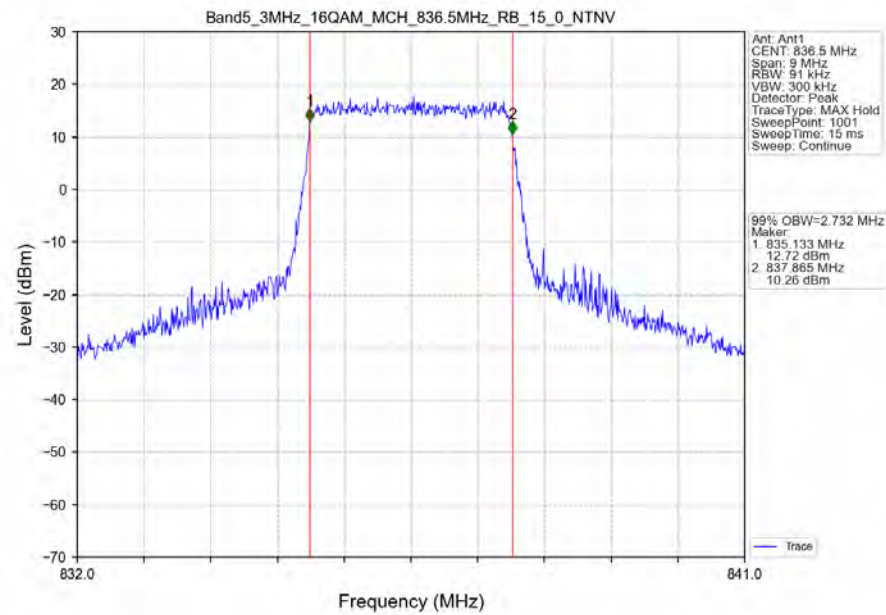
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



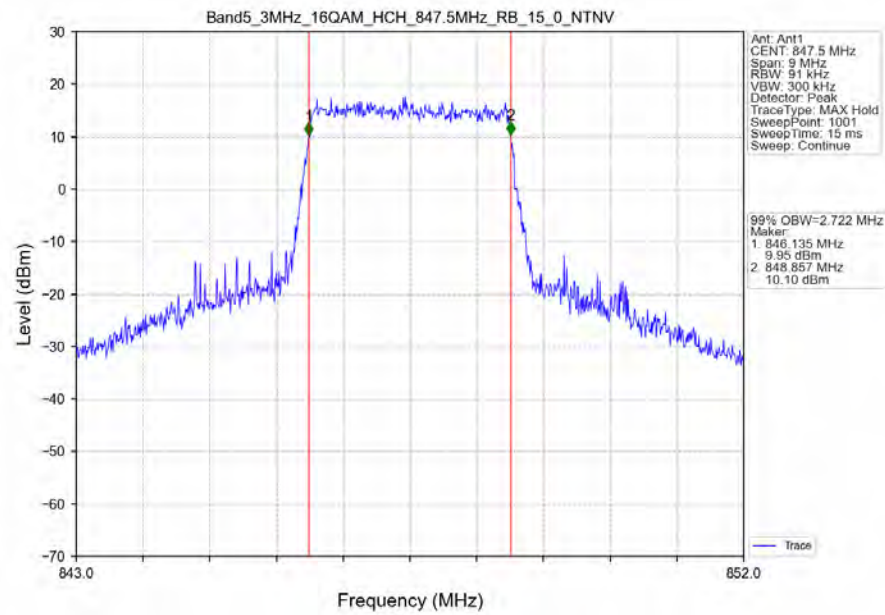
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



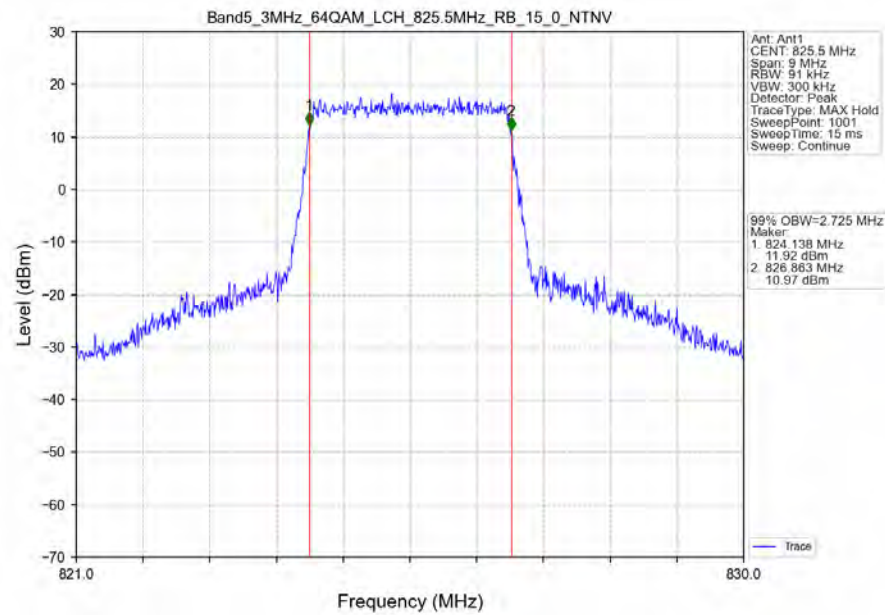
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



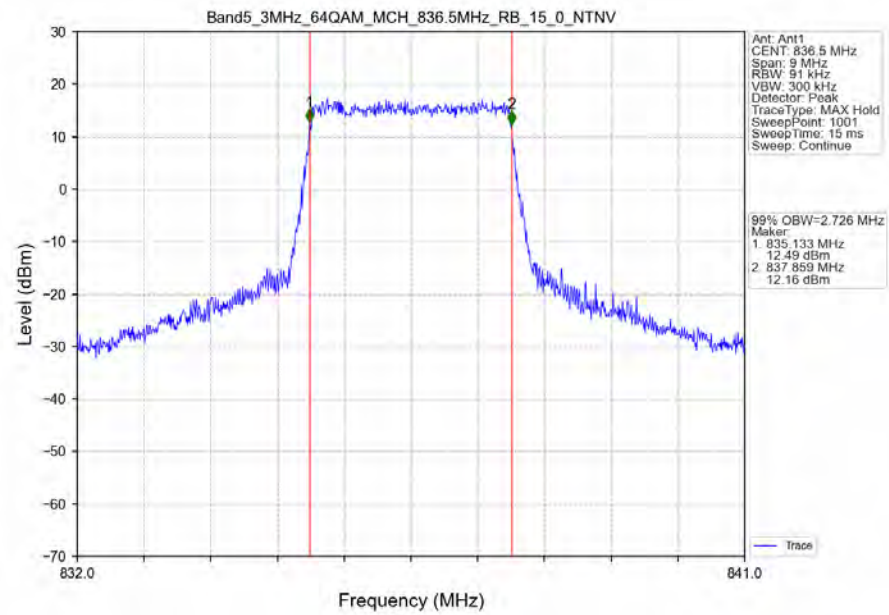
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



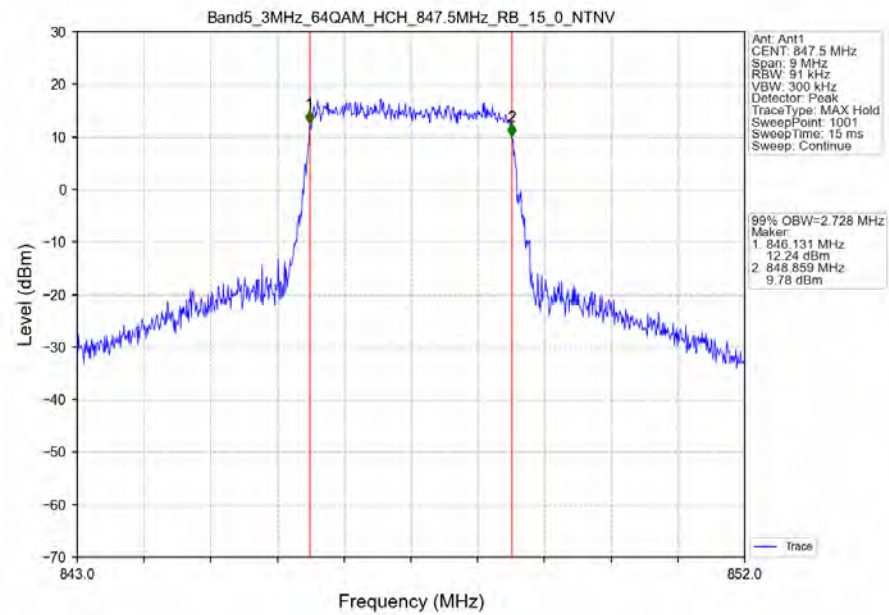
Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



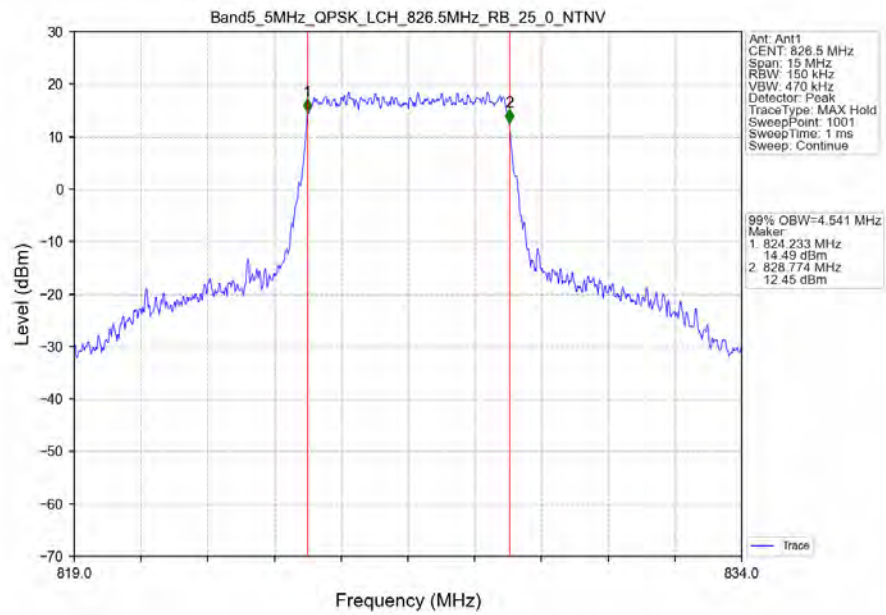
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



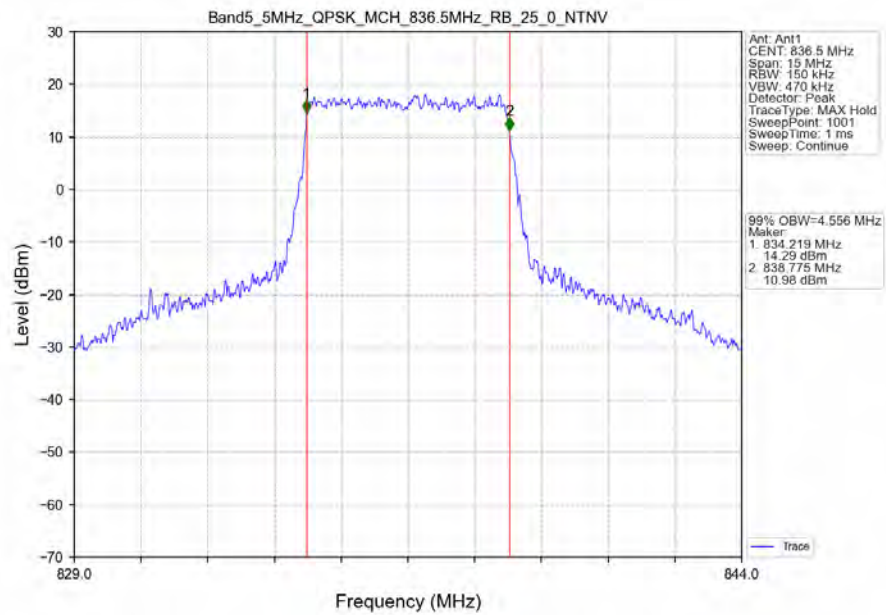
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



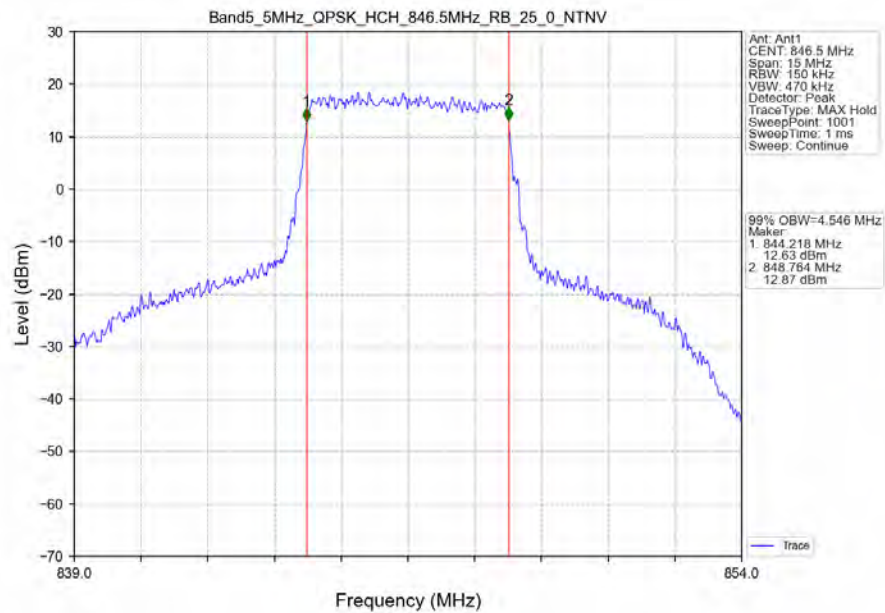
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



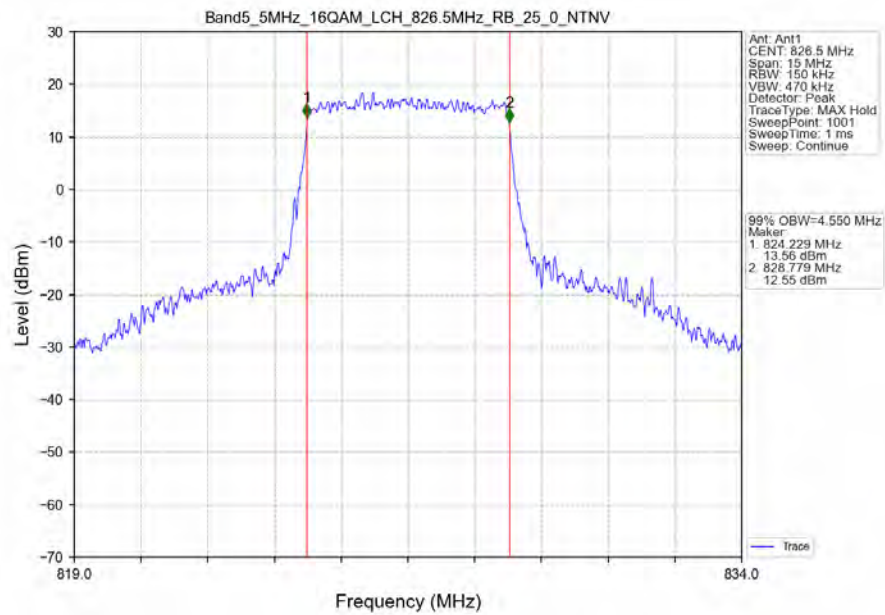
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



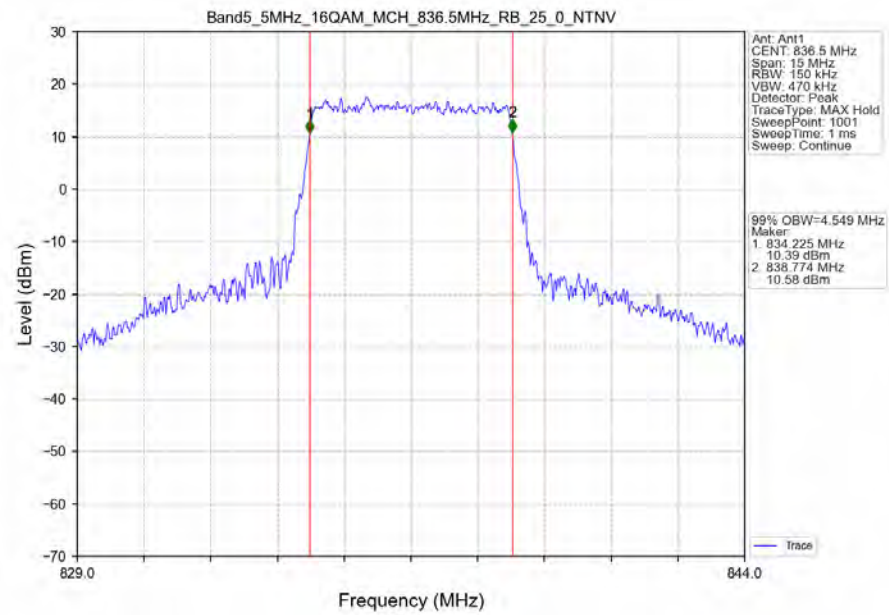
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



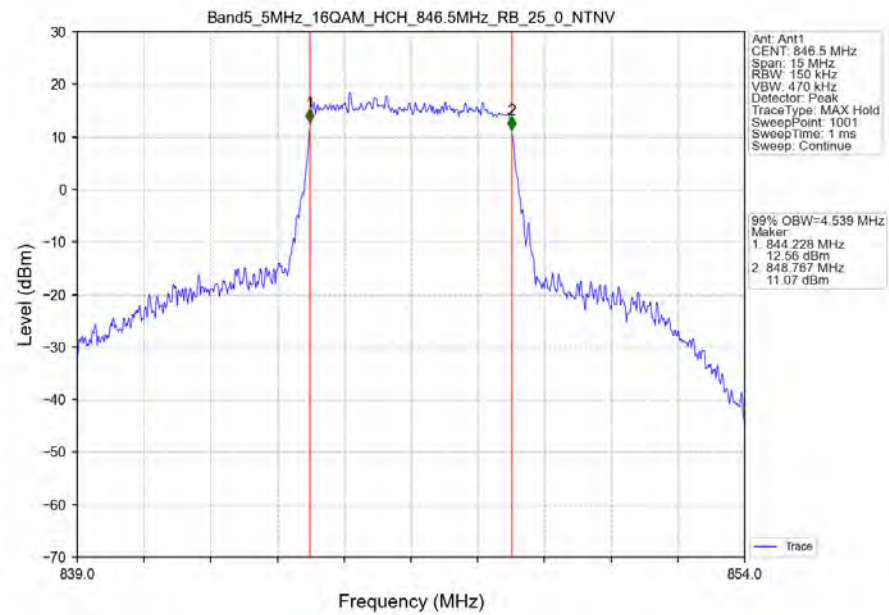
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



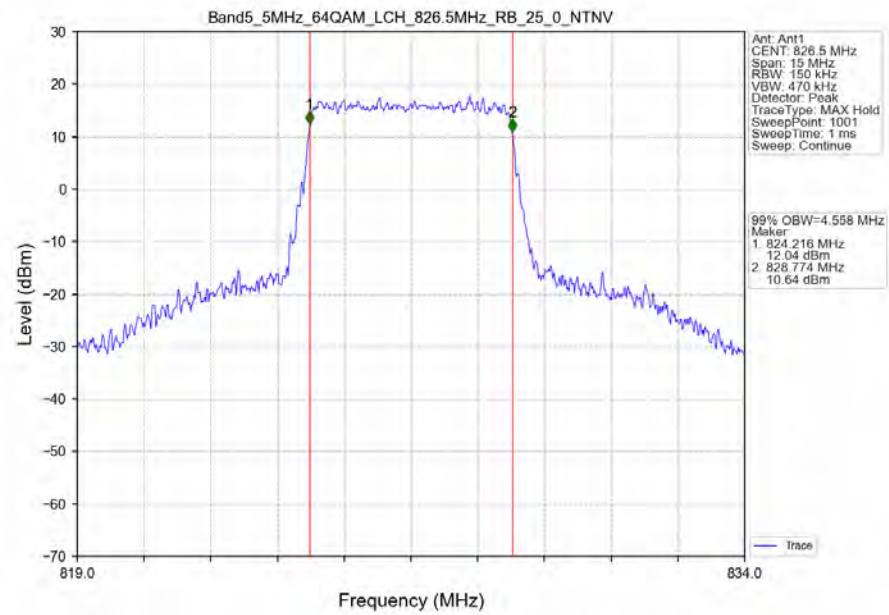
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



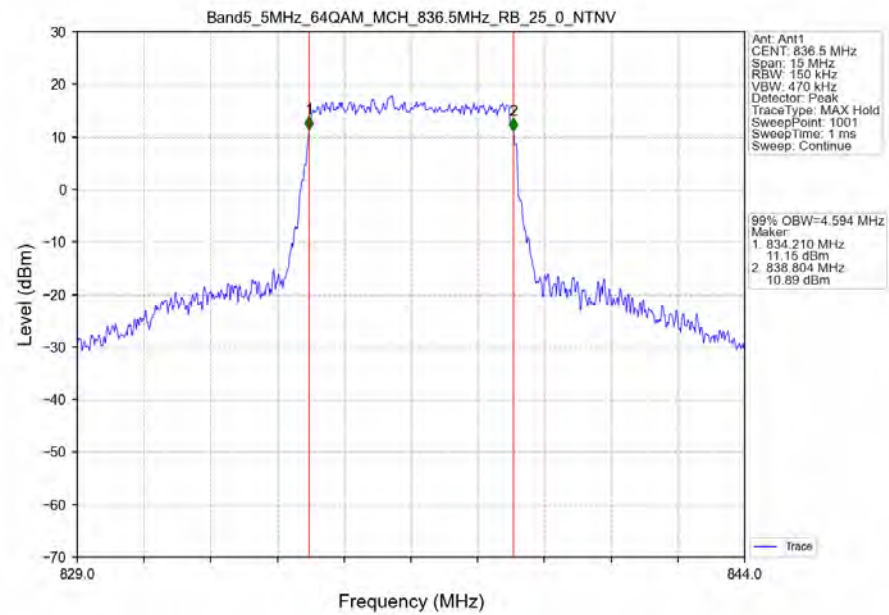
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



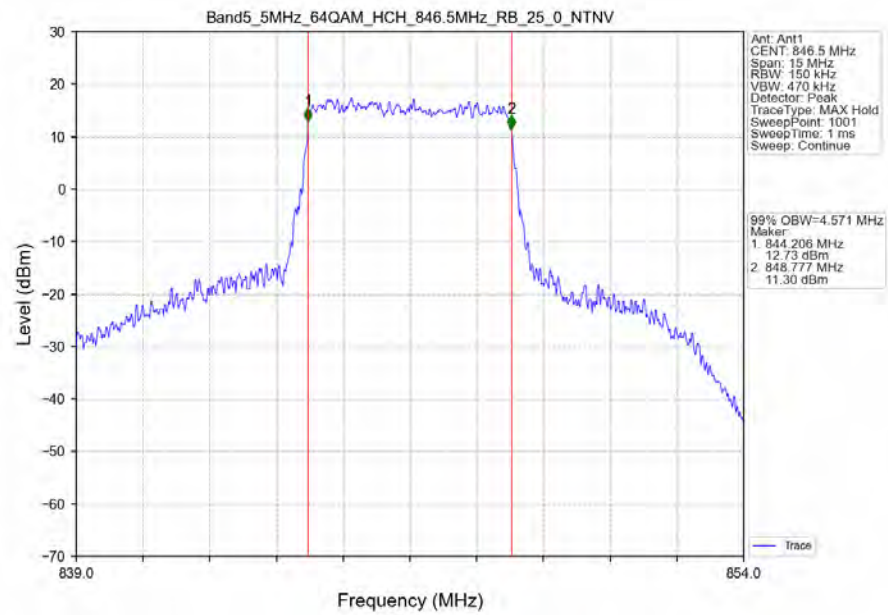
Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



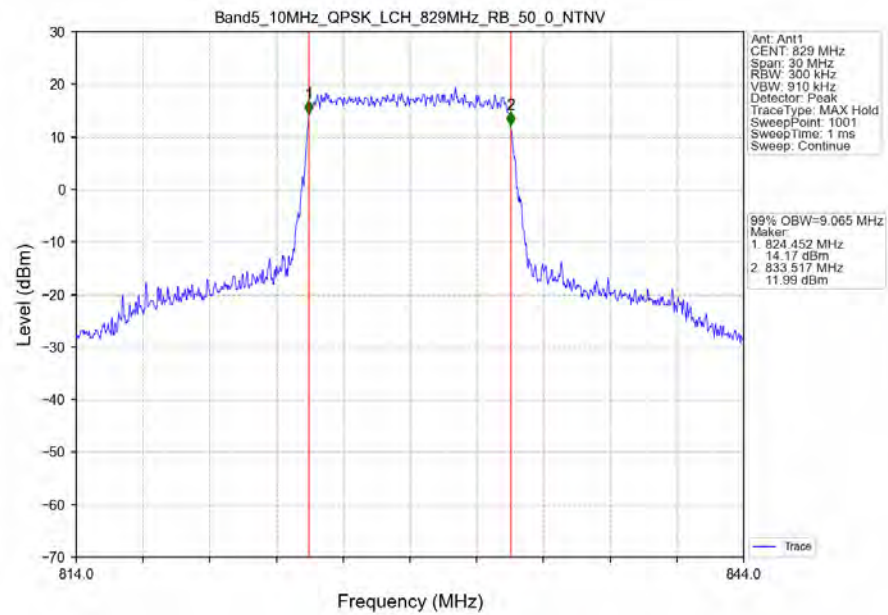
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



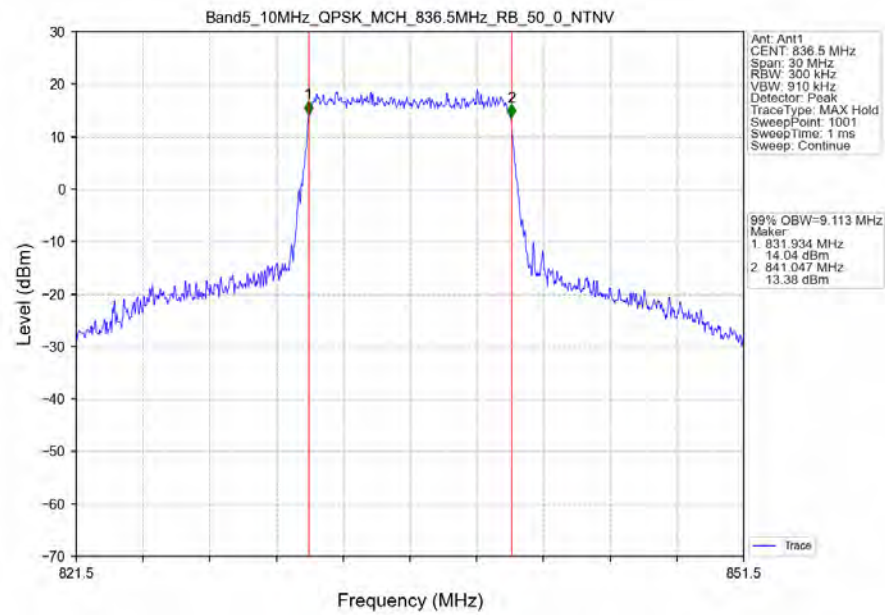
Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



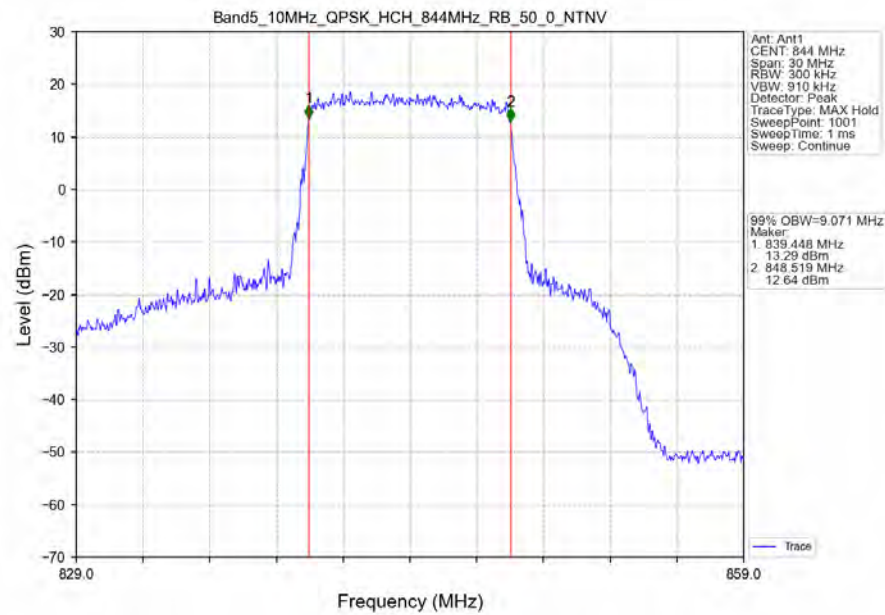
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



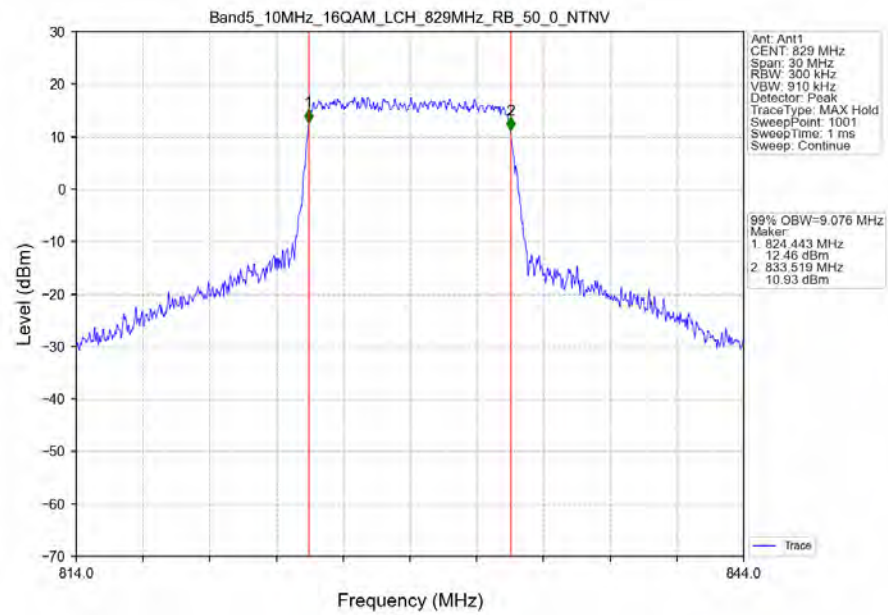
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



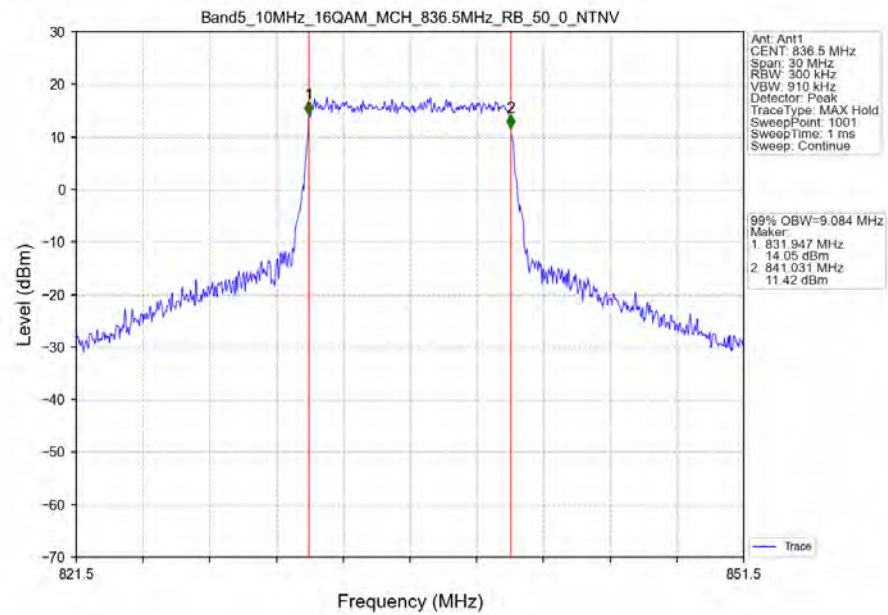
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



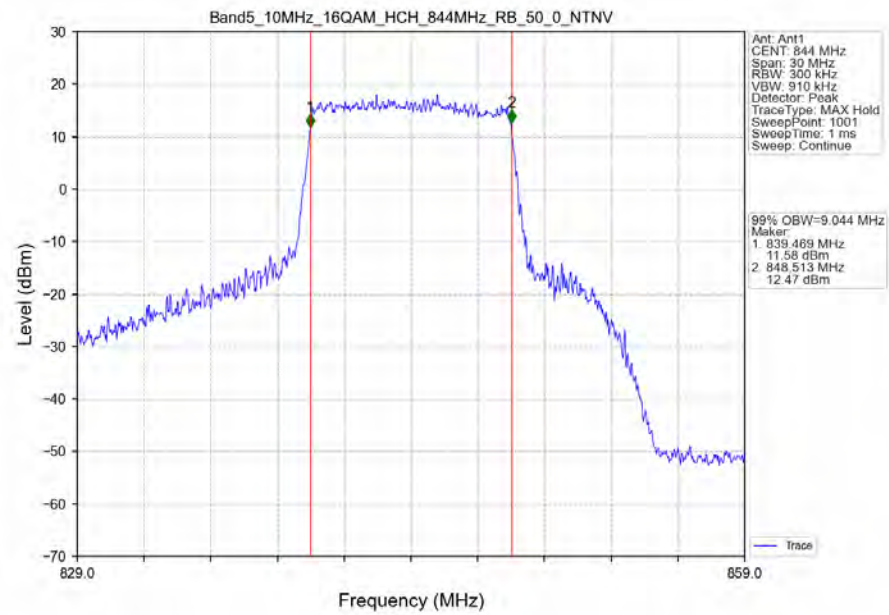
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



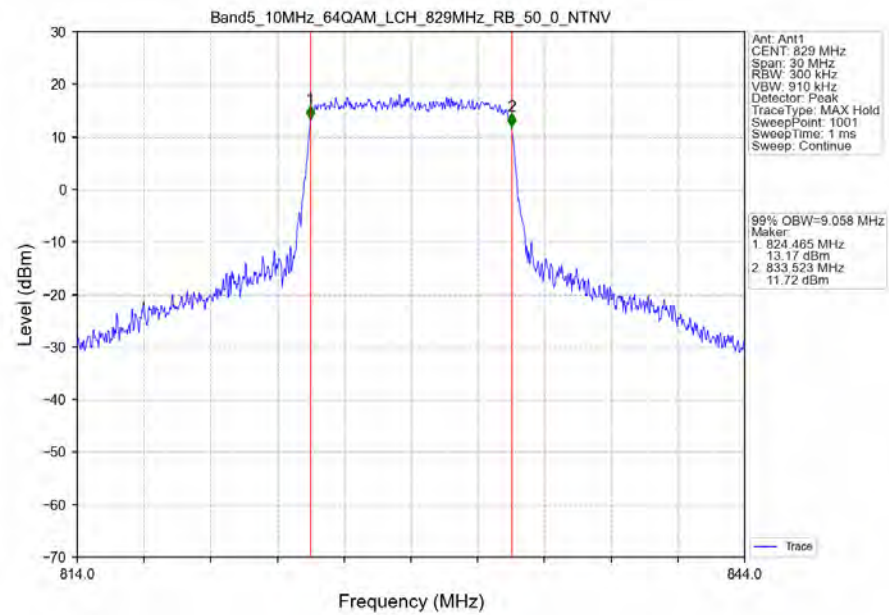
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



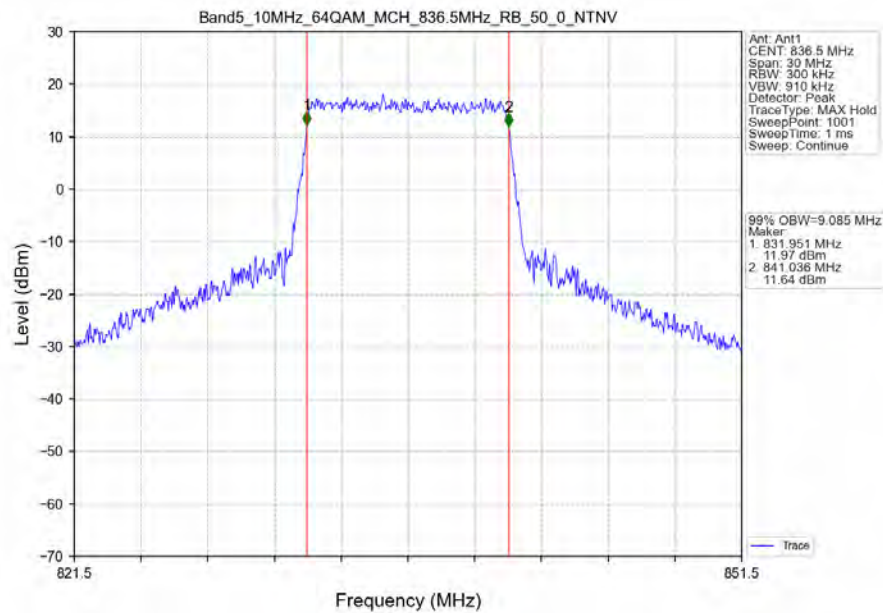
Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



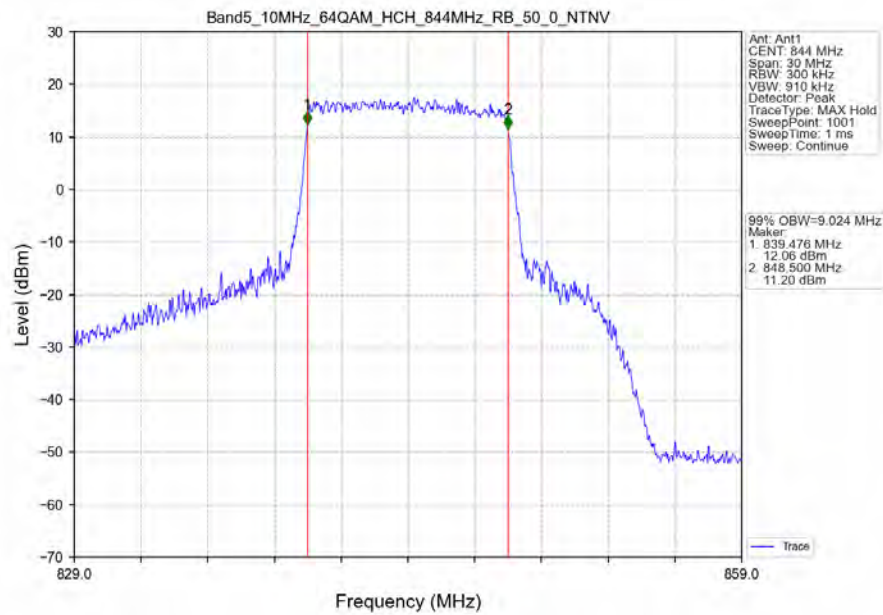
Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV

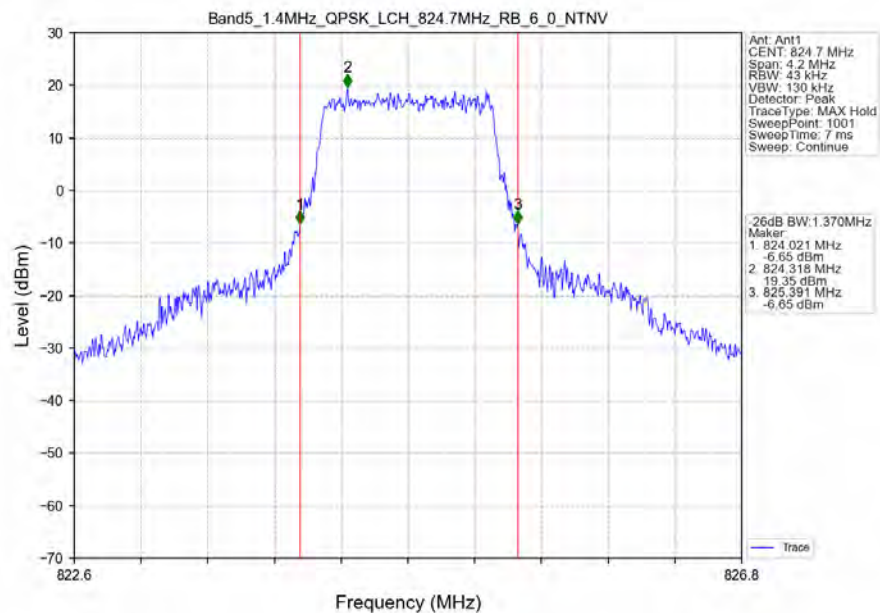


Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV

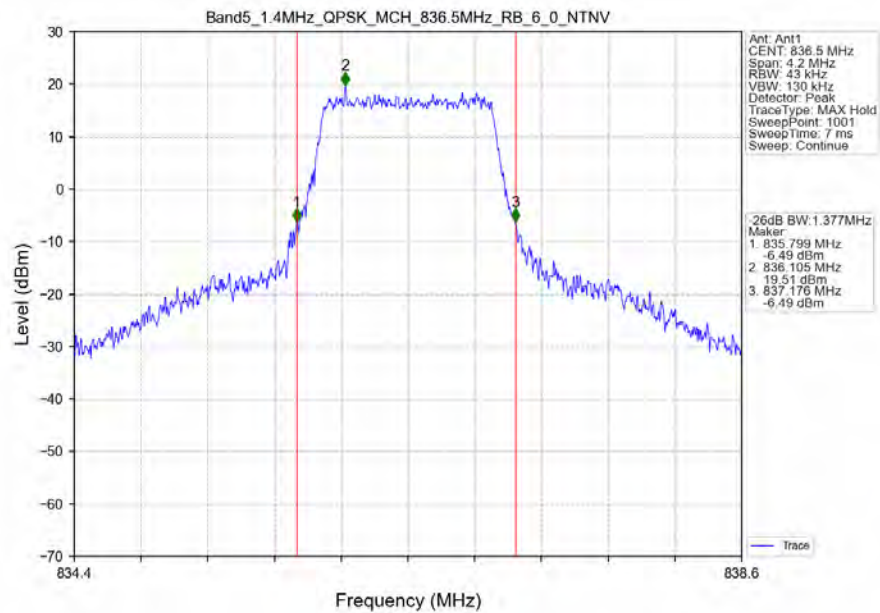


3.2.2 Band5_XDB

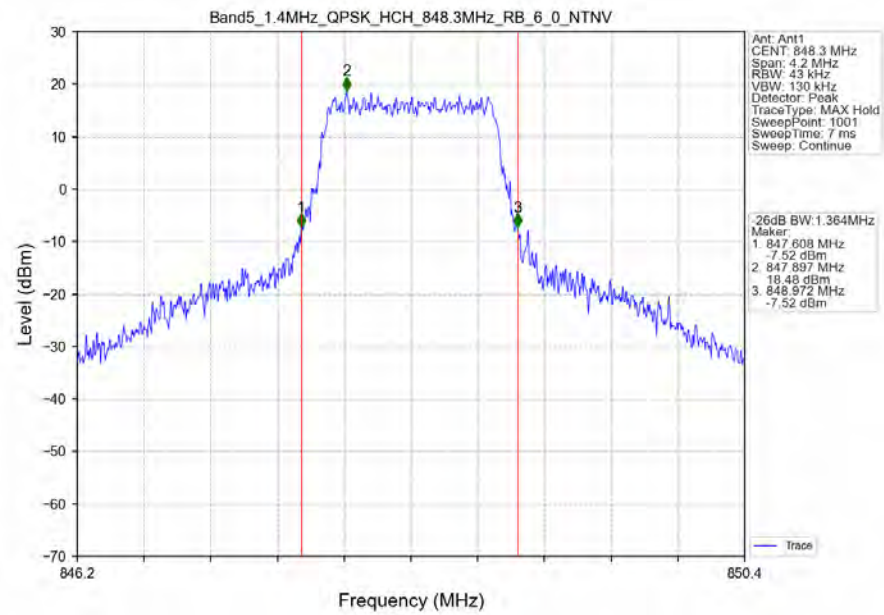
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



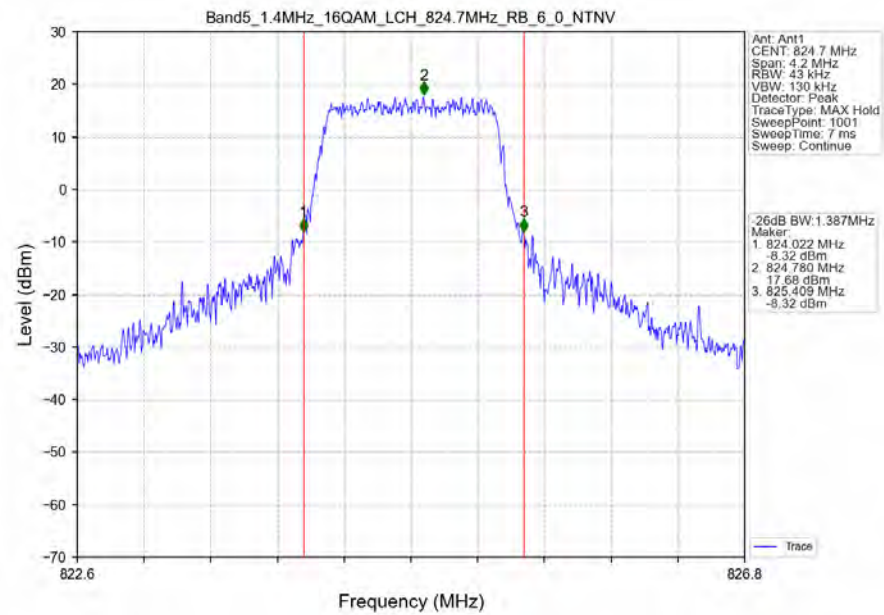
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_6_0_NTNV



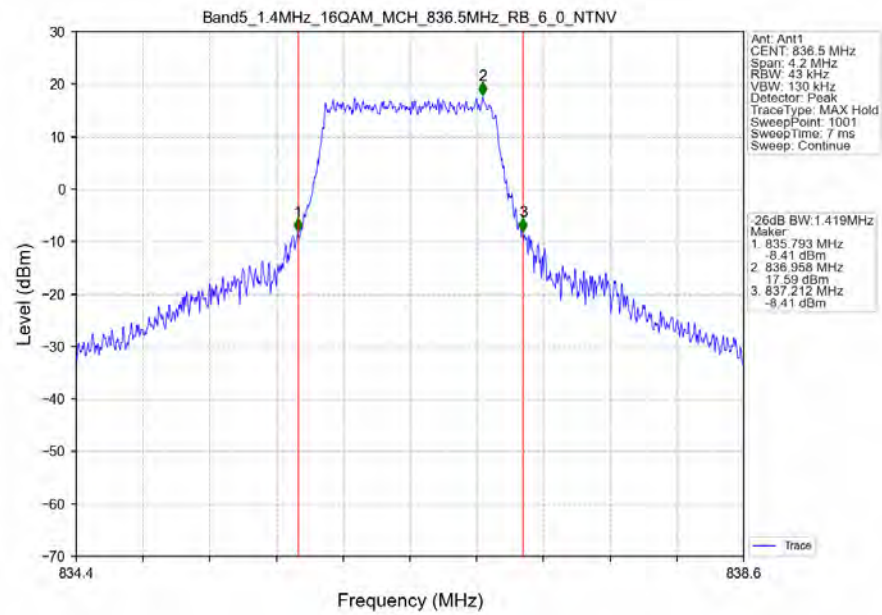
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_6_0_NTNV



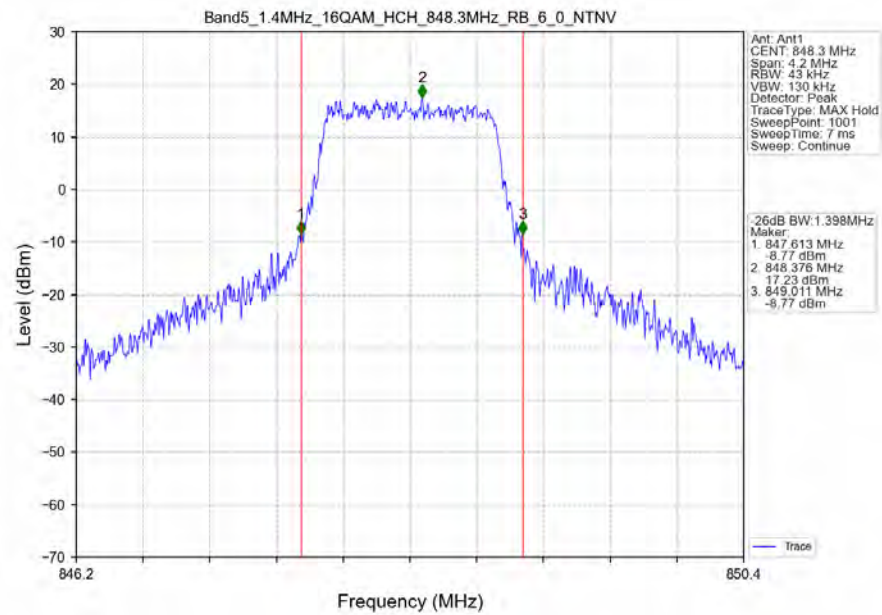
Band5_1.4MHz_16QAM_LCH_824.7MHz_RB_6_0_NTNV



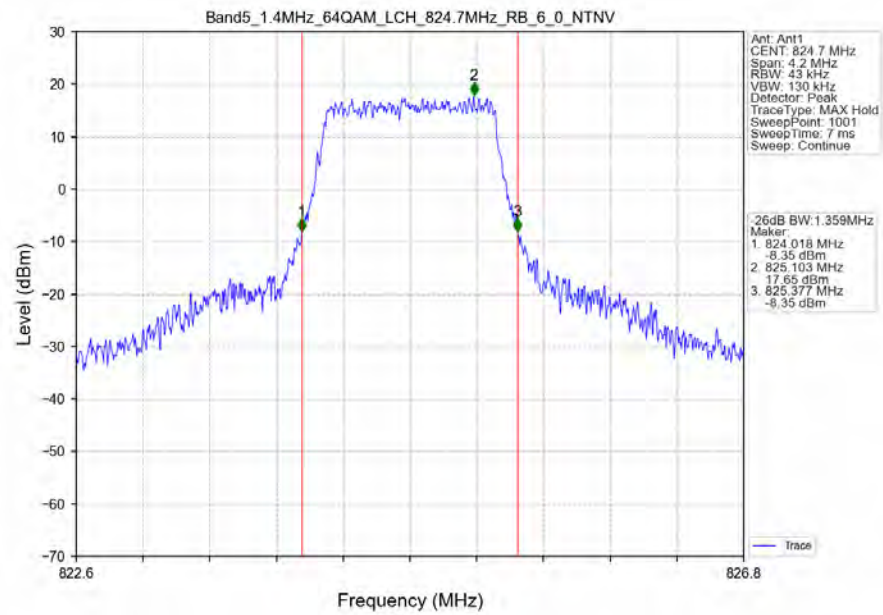
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



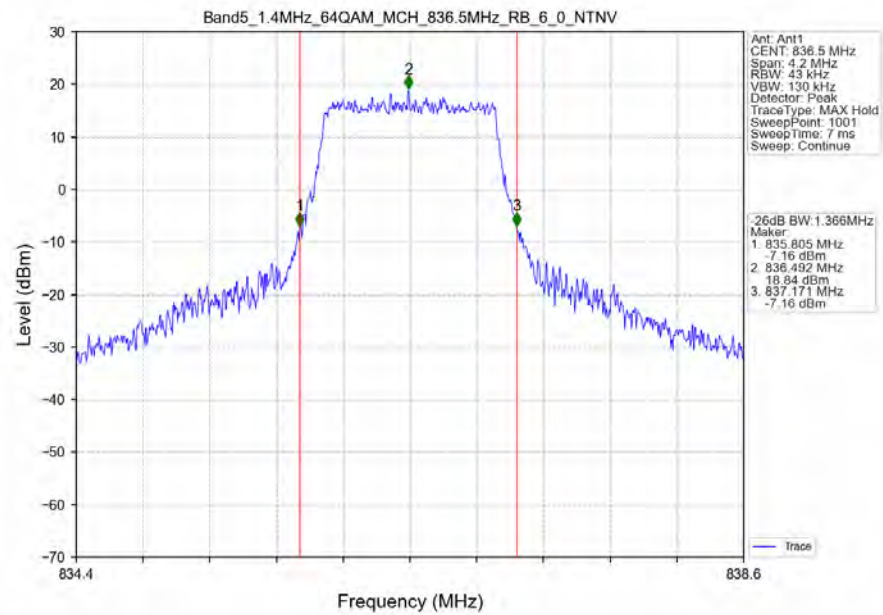
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



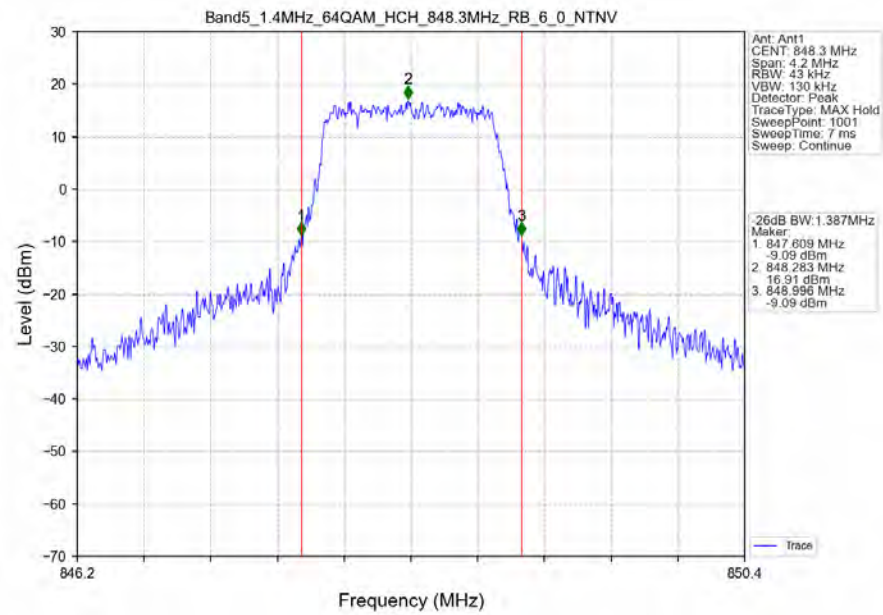
Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV



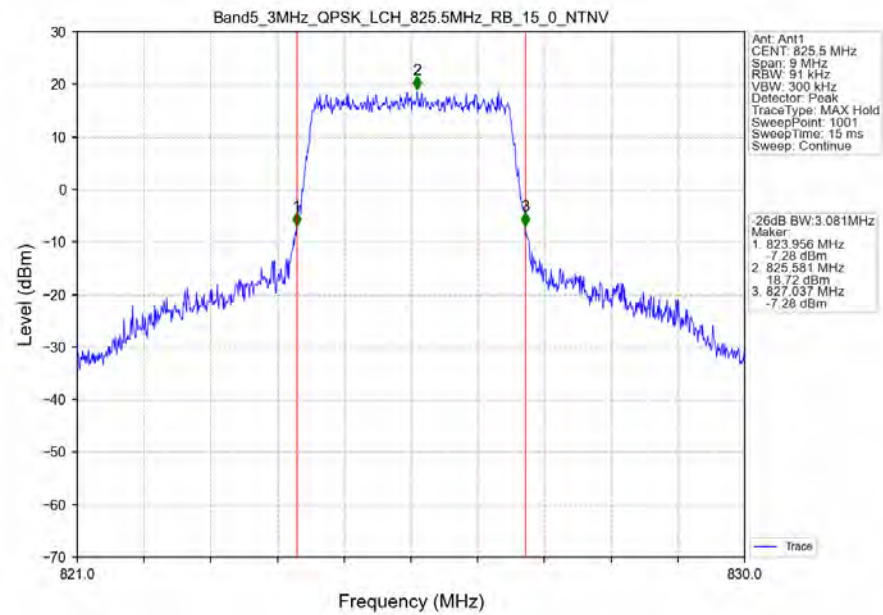
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_6_0_NTNV



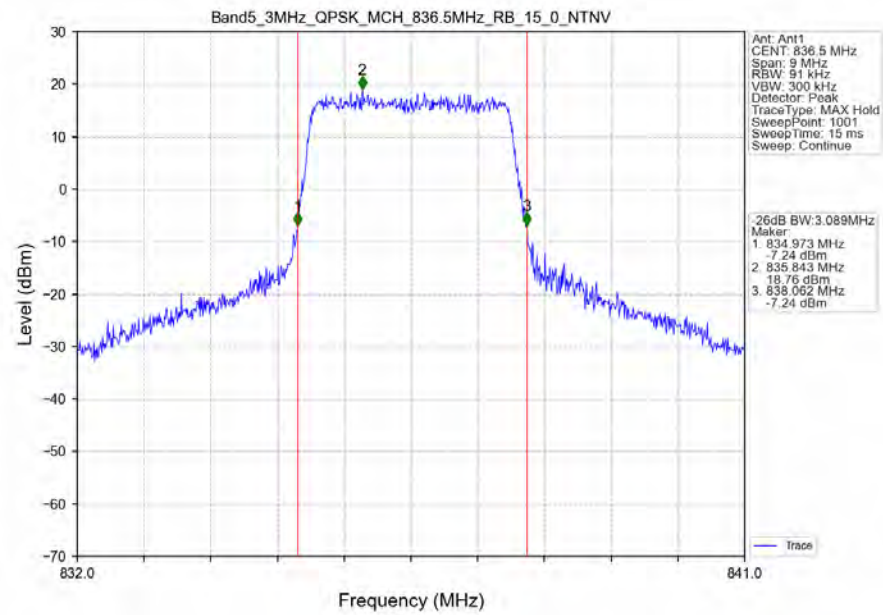
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



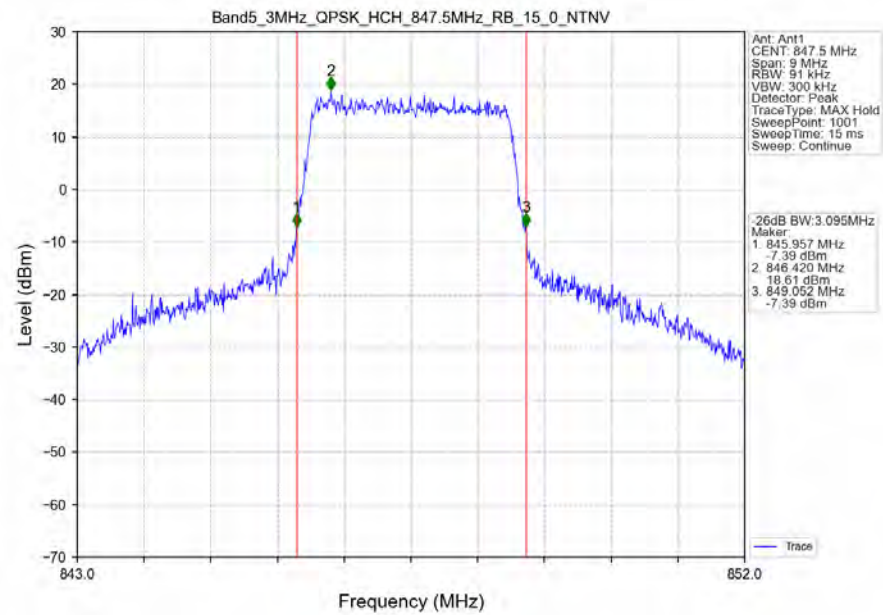
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



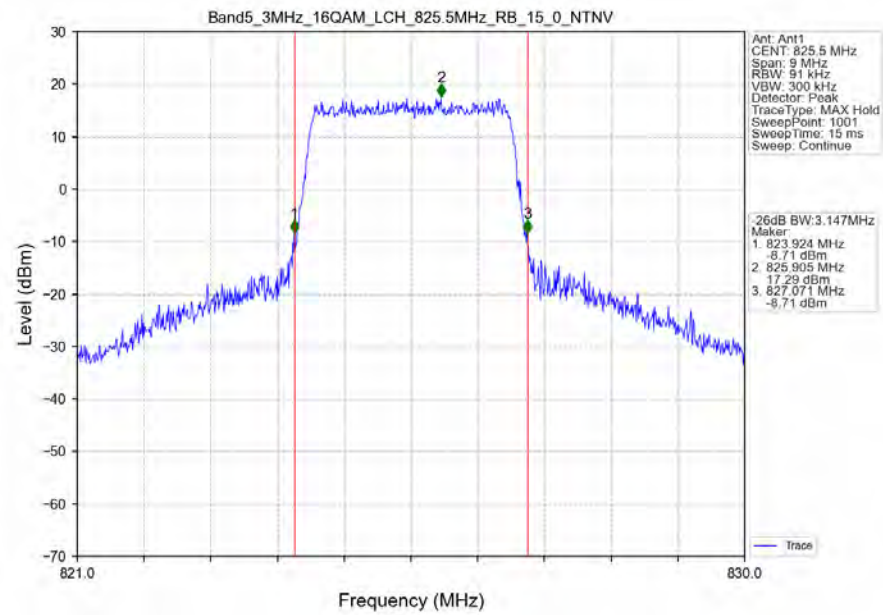
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



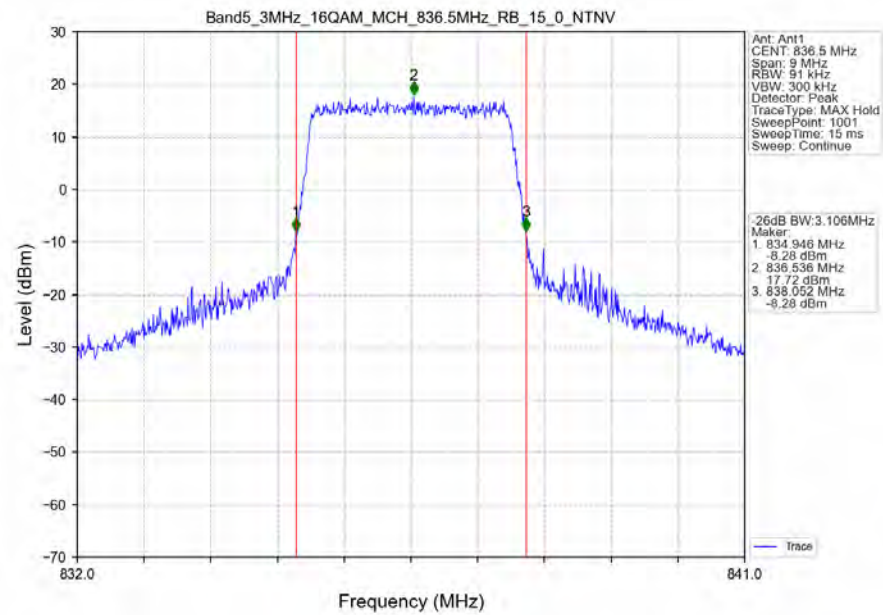
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



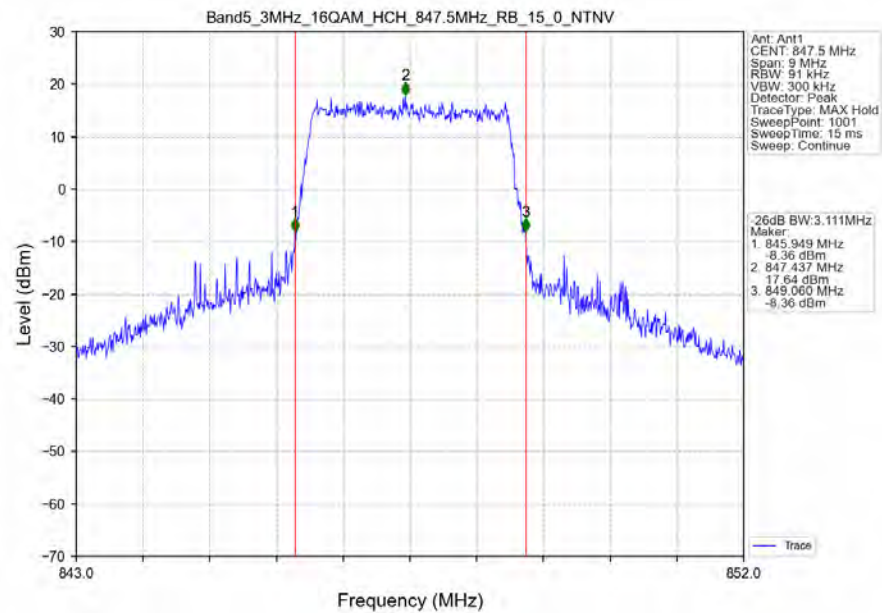
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



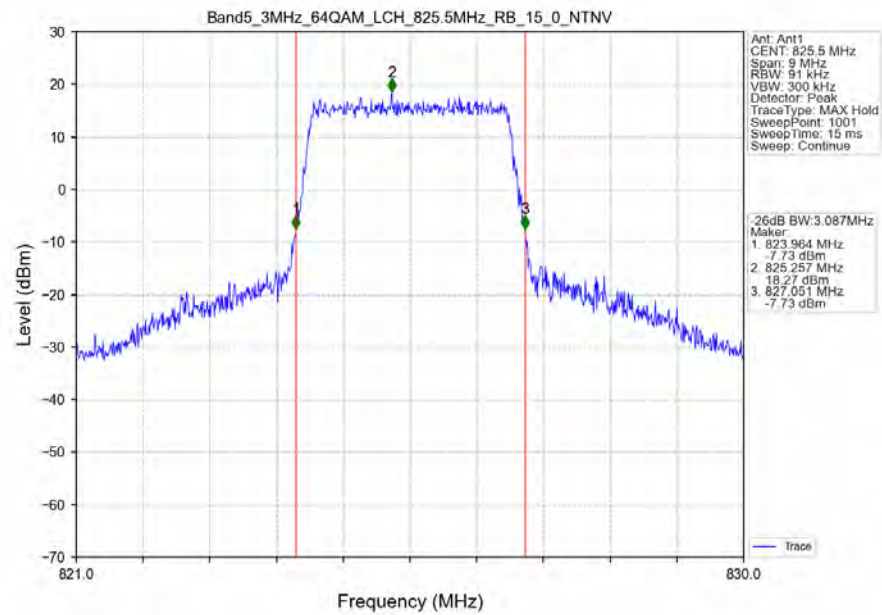
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



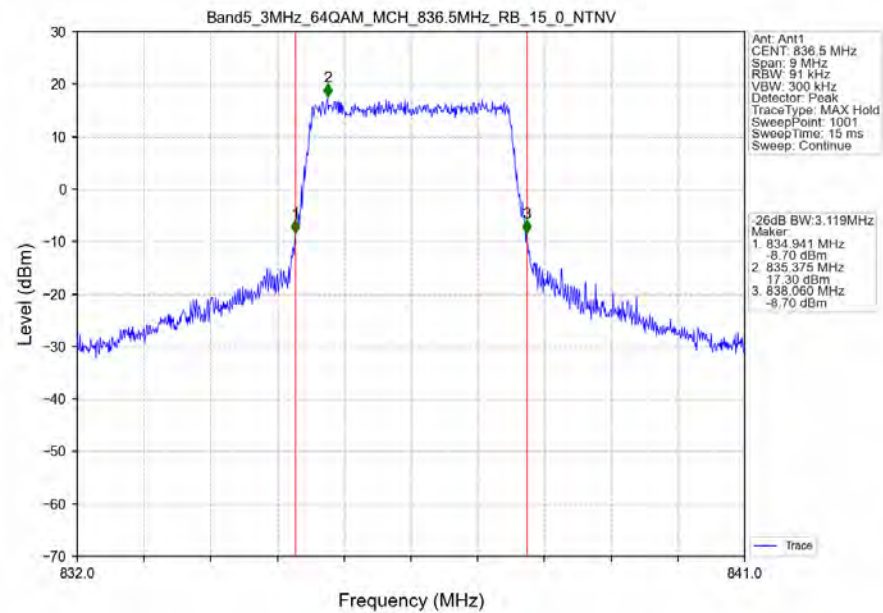
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



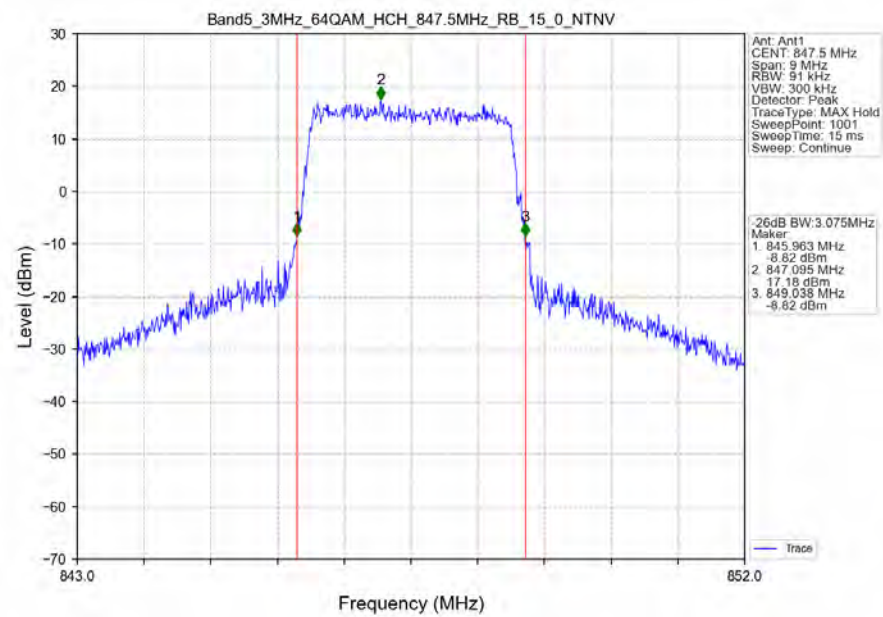
Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



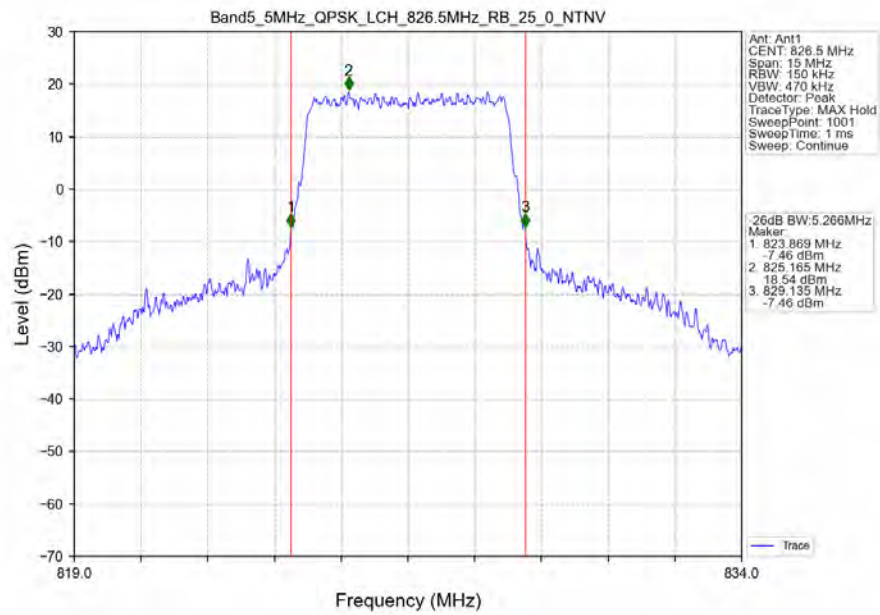
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



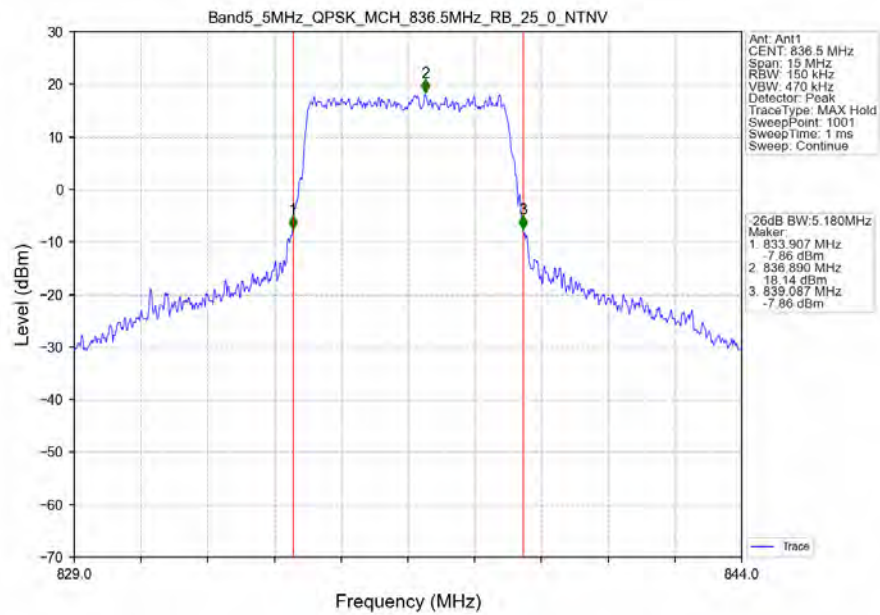
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



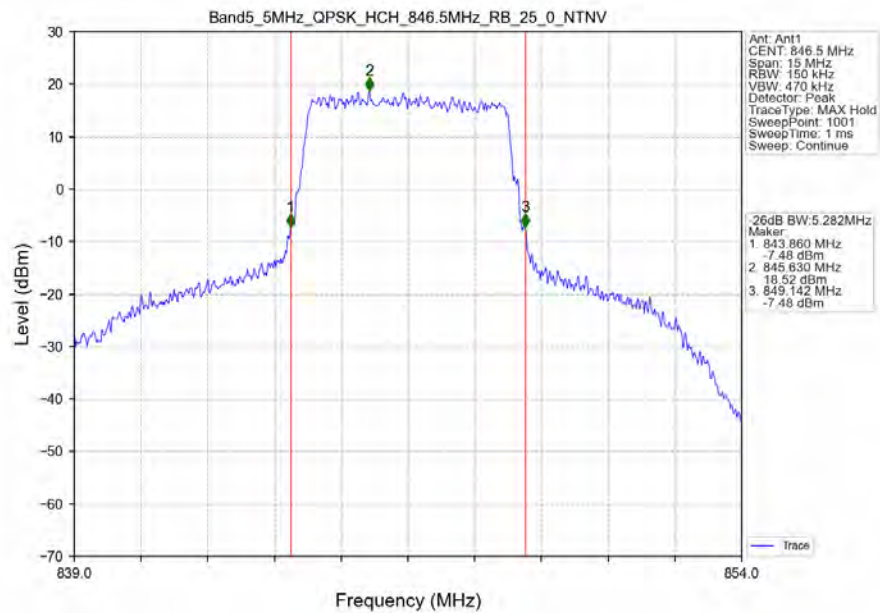
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



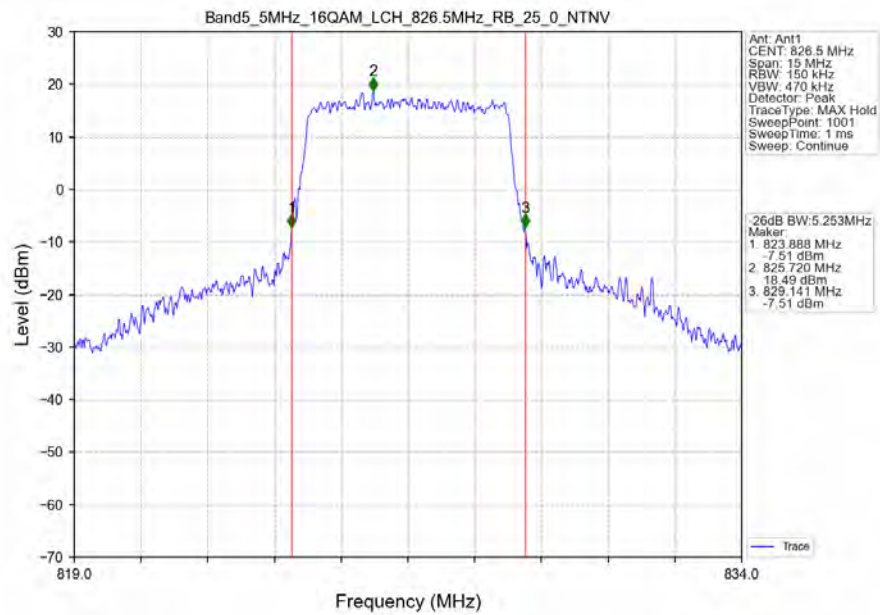
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



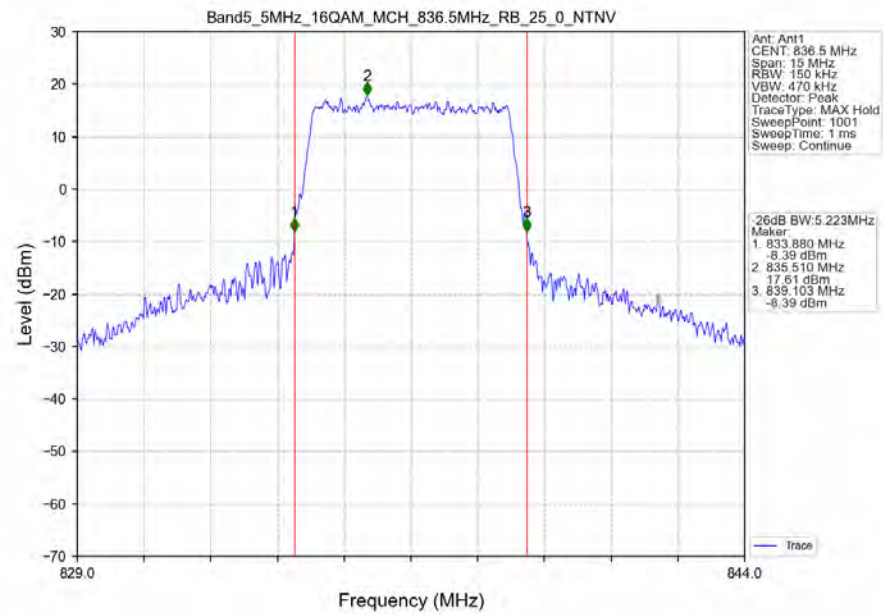
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



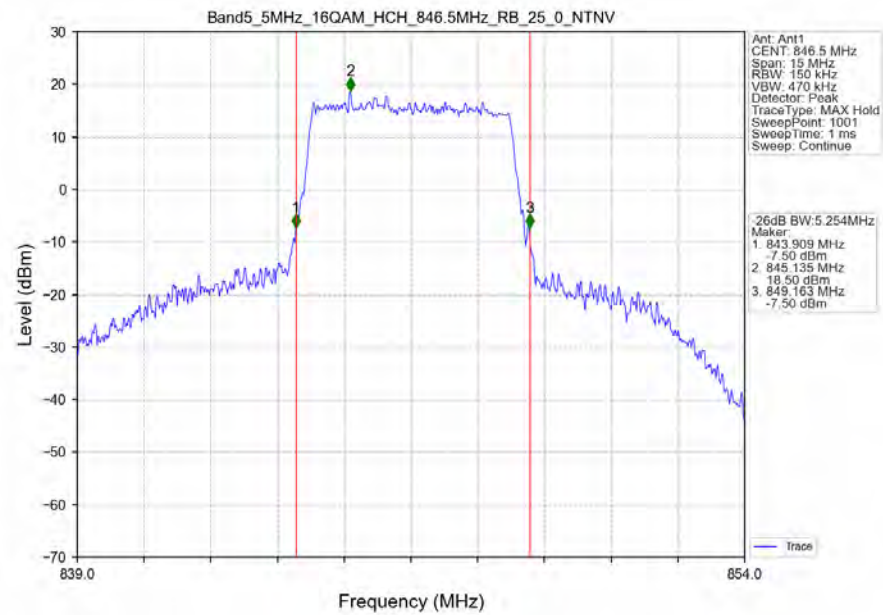
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



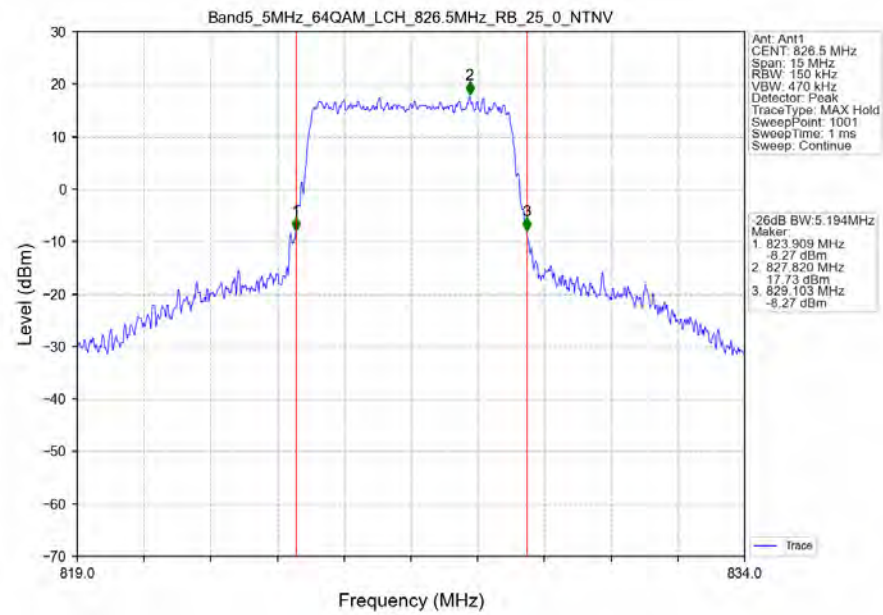
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



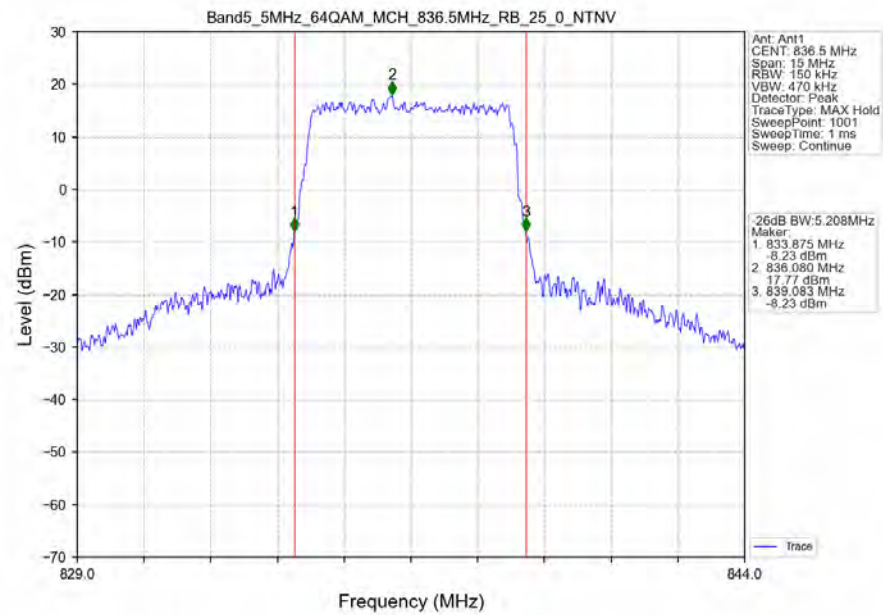
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



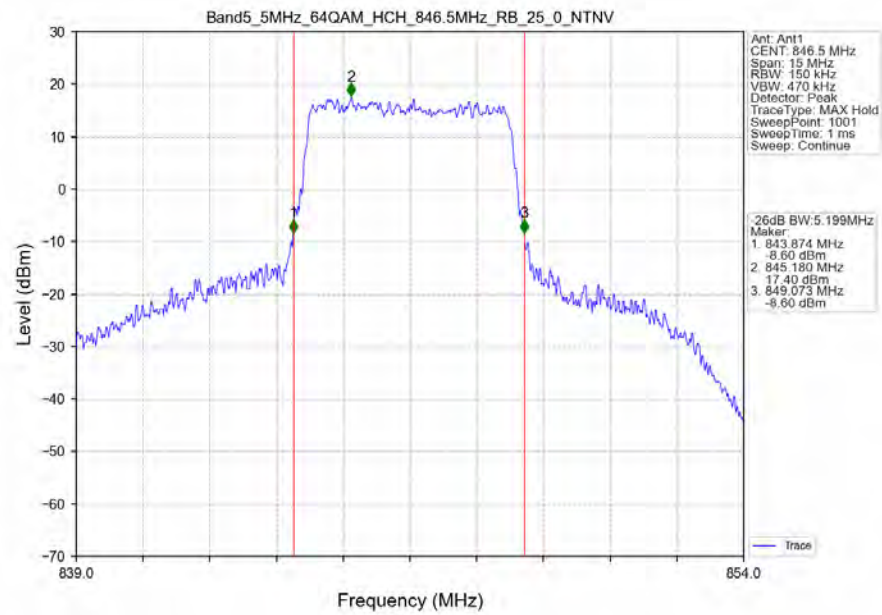
Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



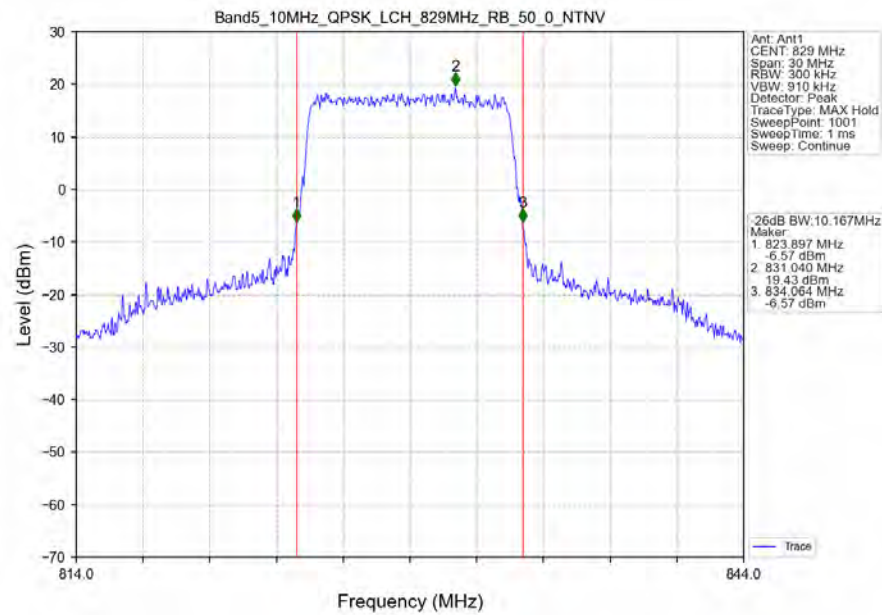
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



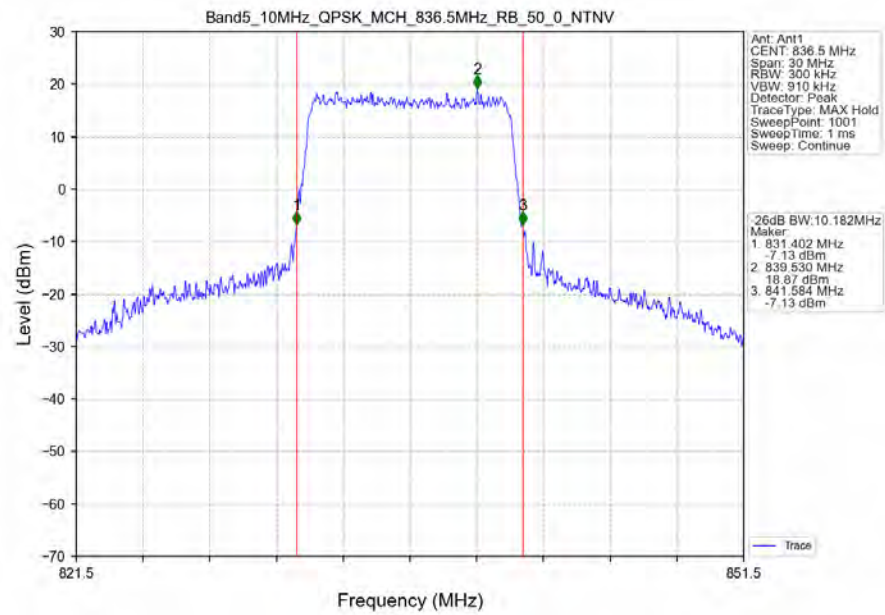
Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



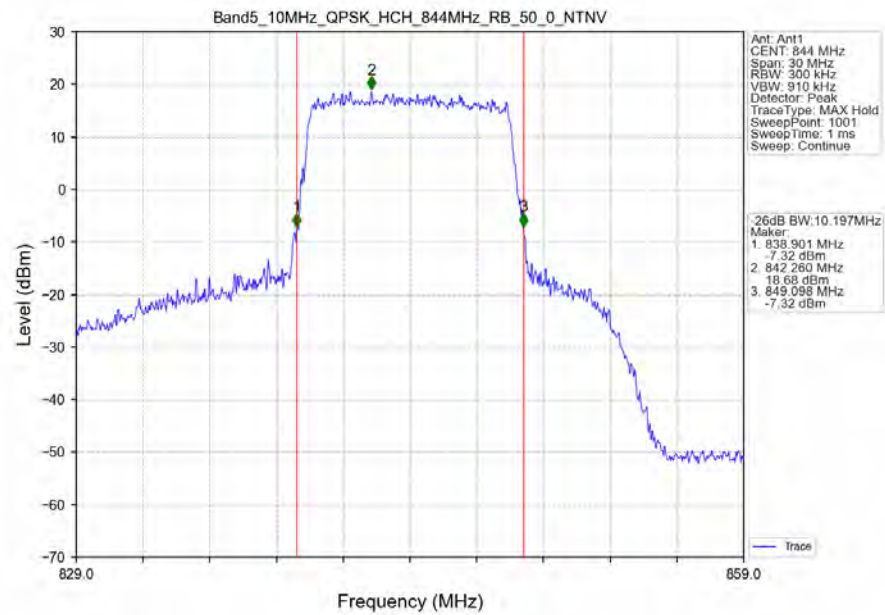
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



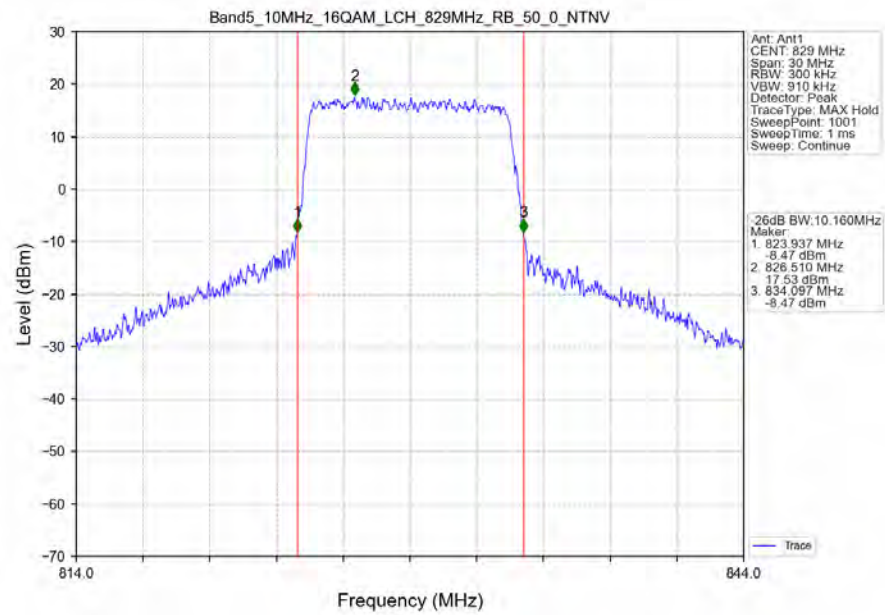
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



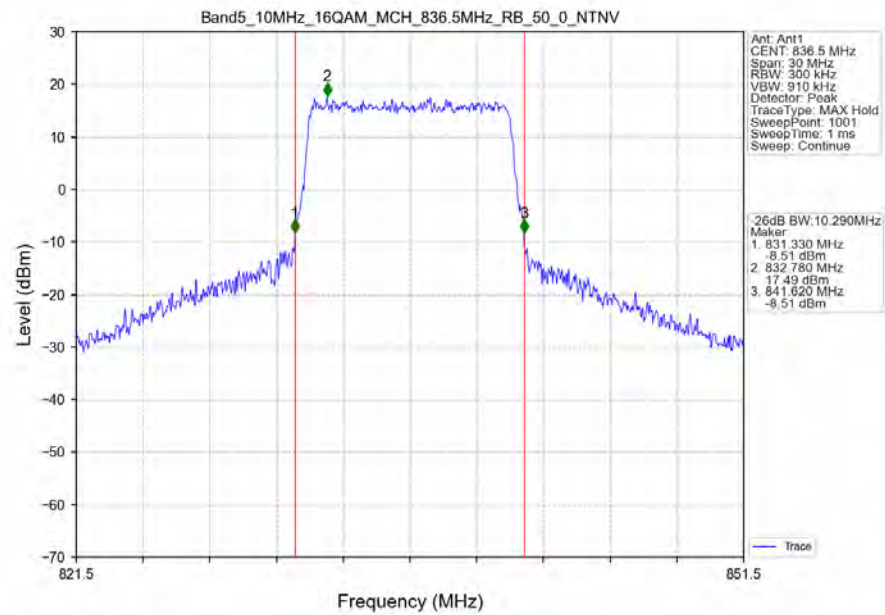
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



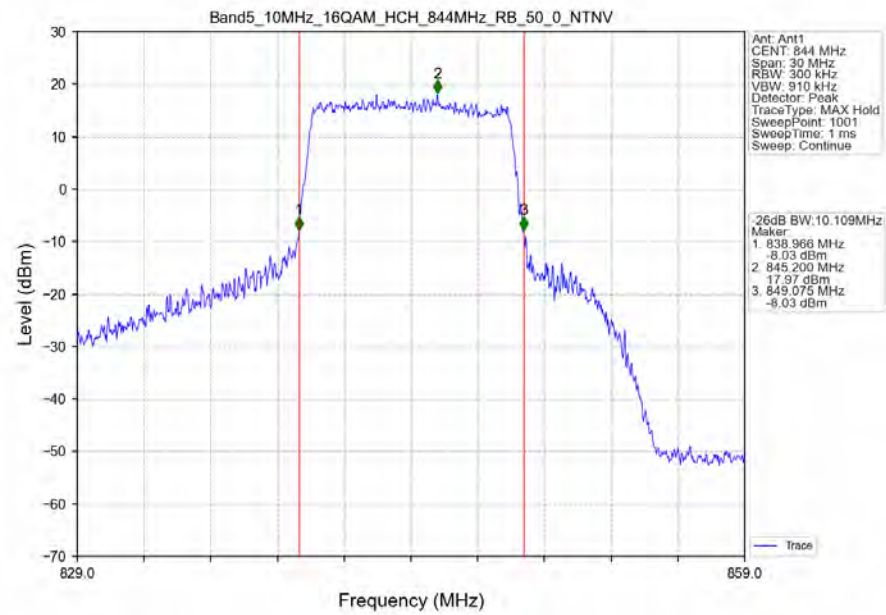
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



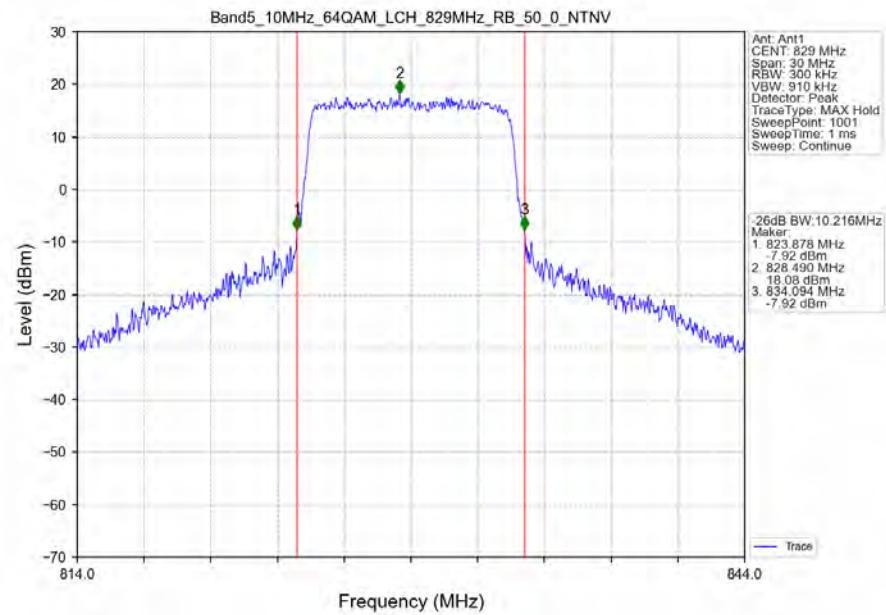
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



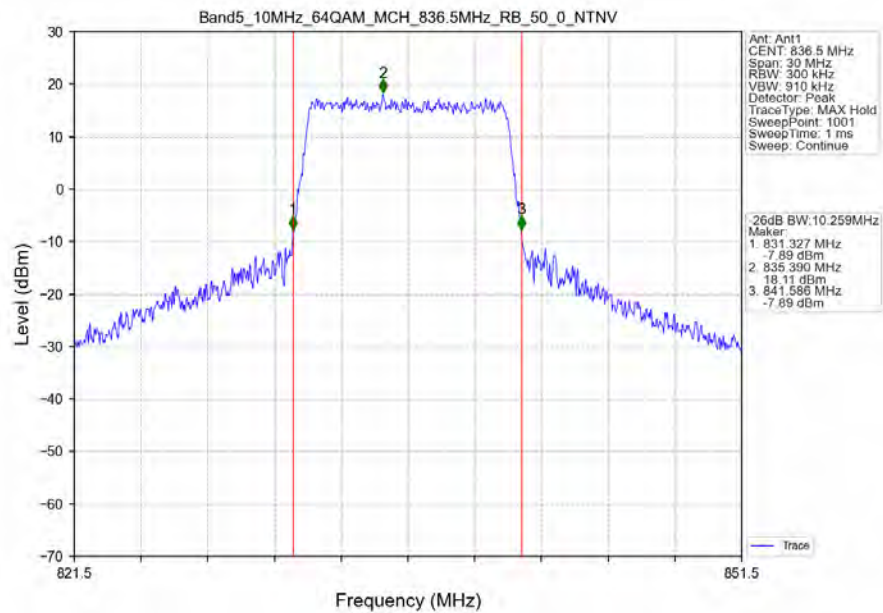
Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



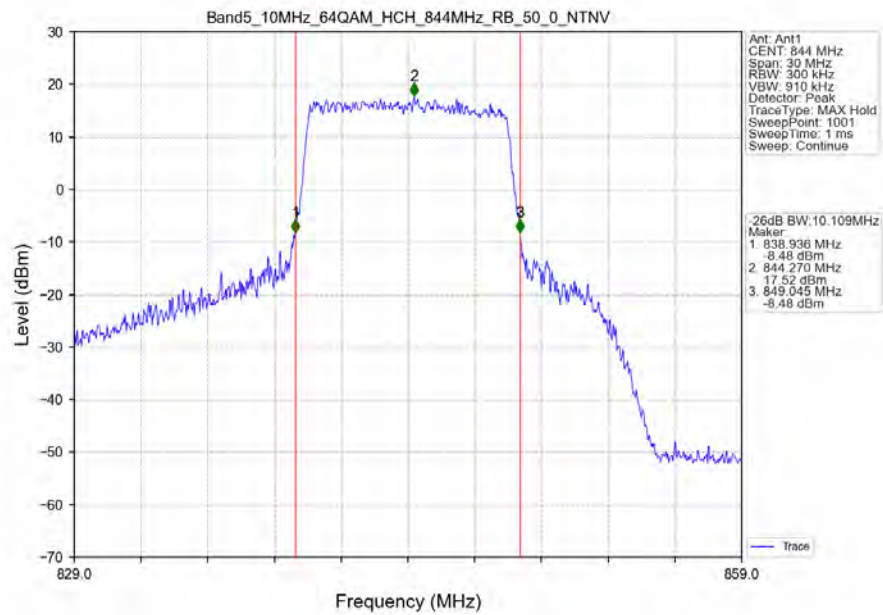
Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



4. Peak-Average Ratio

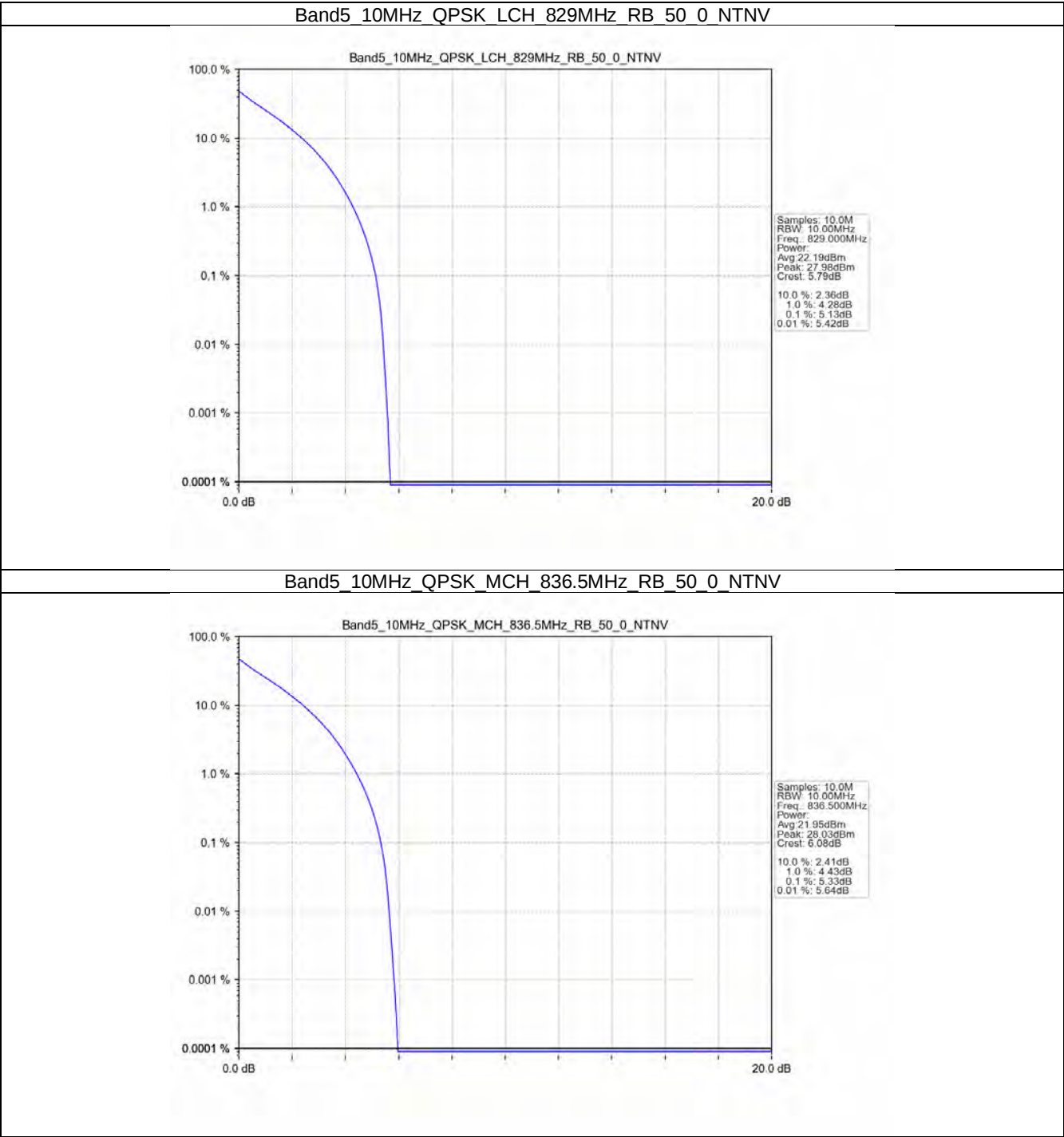
4.1 Test Result

4.1.1 B5_10MHz

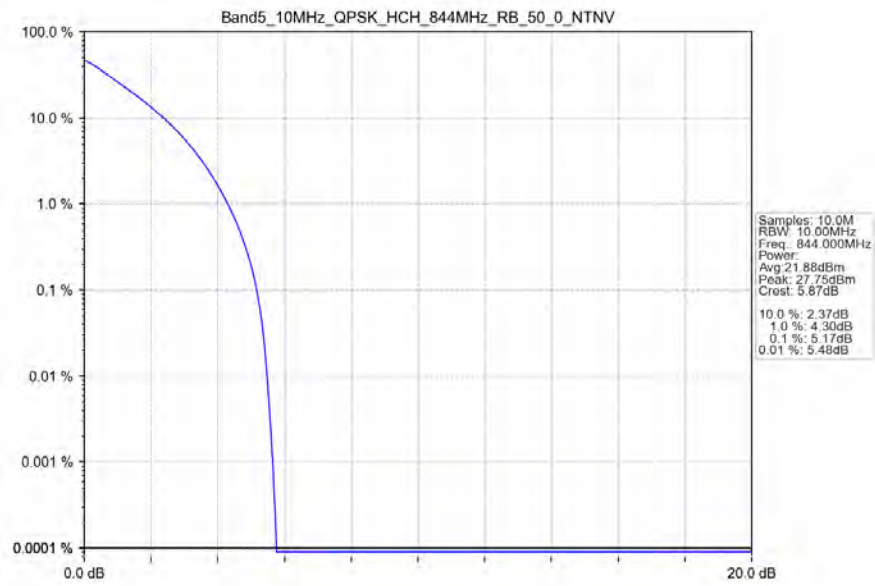
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.13	<=13	Pass
	836.5	50	0	5.33	<=13	Pass
	844	50	0	5.17	<=13	Pass
16QAM	829	50	0	5.84	<=13	Pass
	836.5	50	0	6.05	<=13	Pass
	844	50	0	5.92	<=13	Pass
64QAM	829	50	0	5.85	<=13	Pass
	836.5	50	0	6.05	<=13	Pass
	844	50	0	5.93	<=13	Pass

4.2 Test Graph

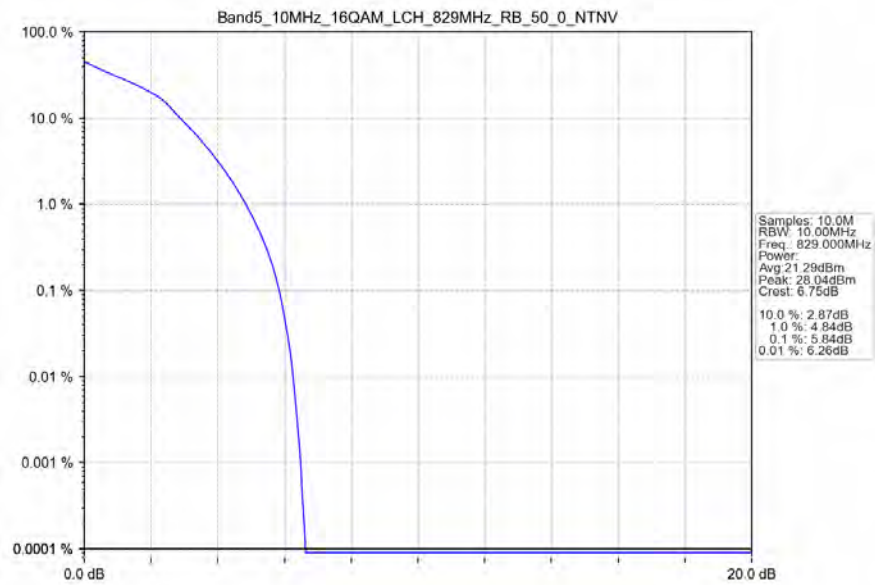
4.2.1 B5_10MHz



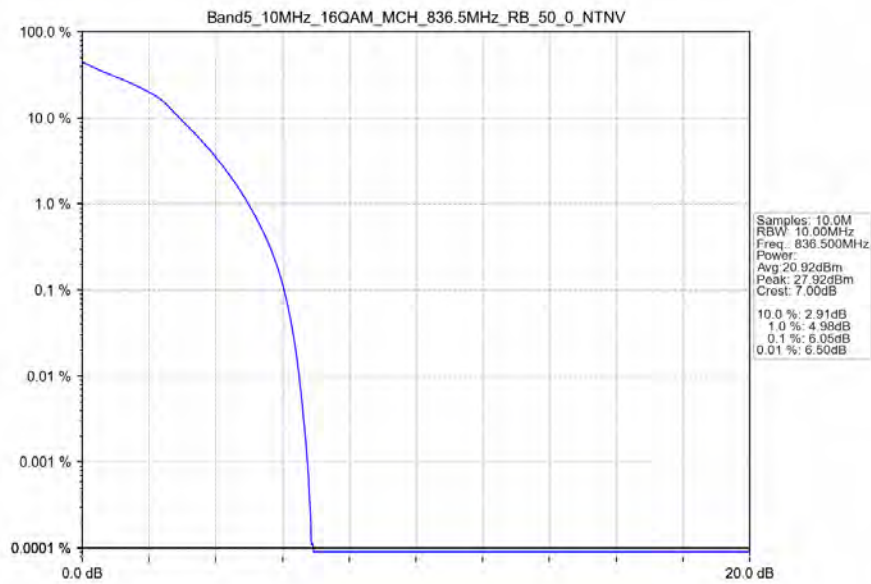
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



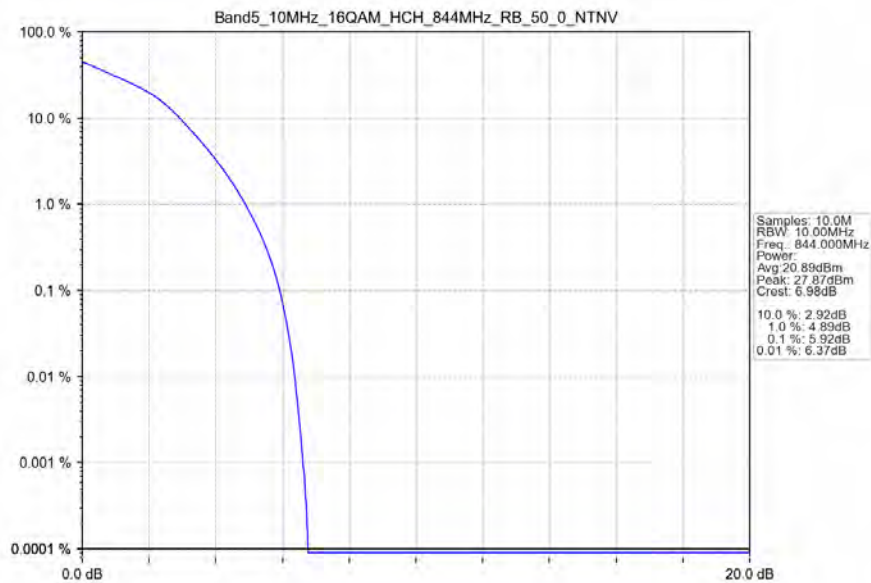
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



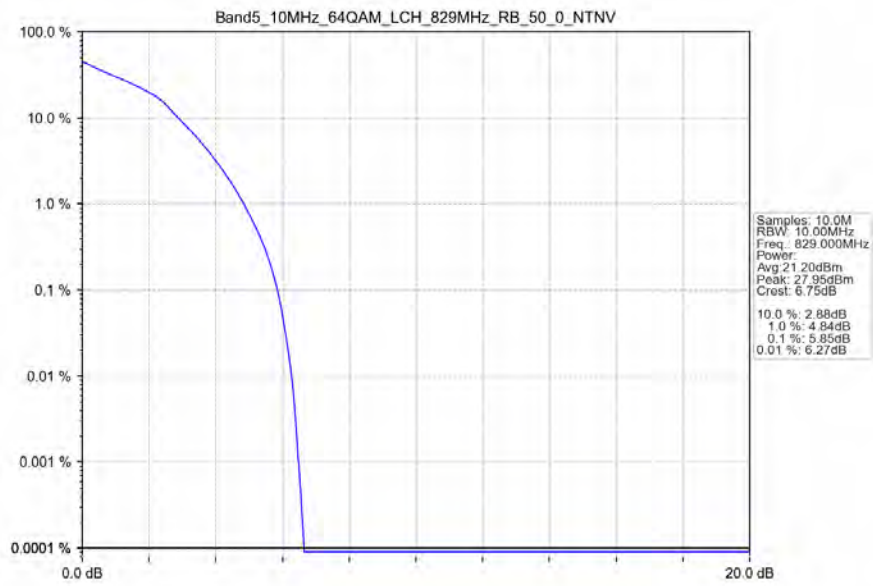
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



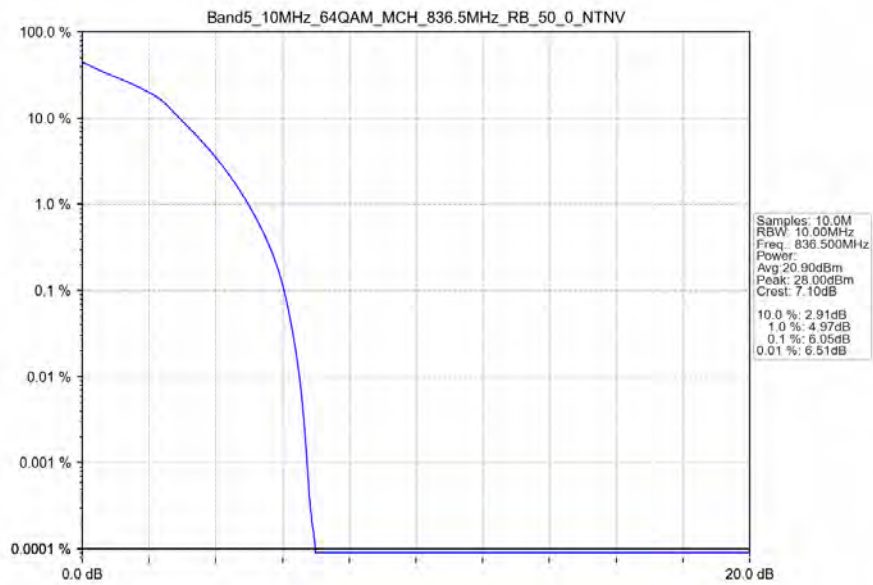
Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



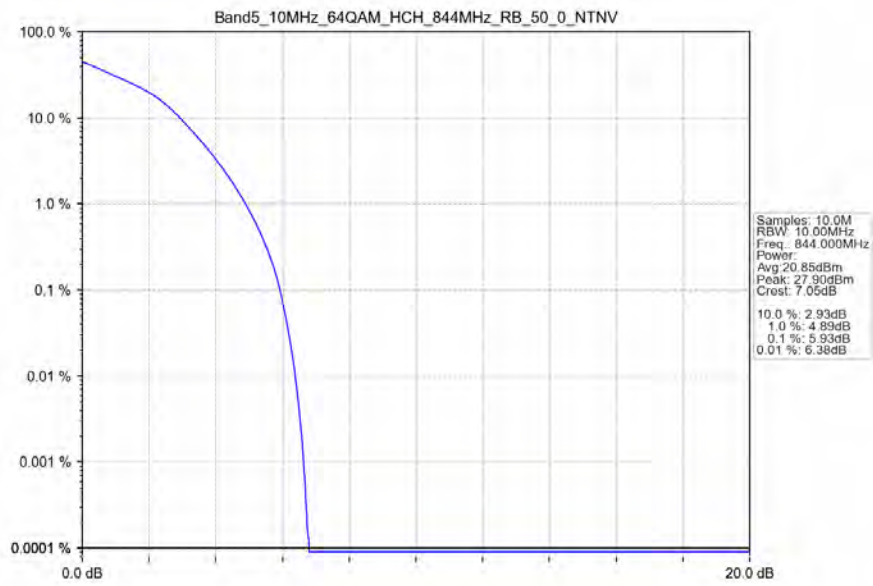
Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5 10MHz 64QAM HCH 844MHz RB 50_0 NTN



5. Spurious Emission & Band Edges

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	848.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B5_5MHz

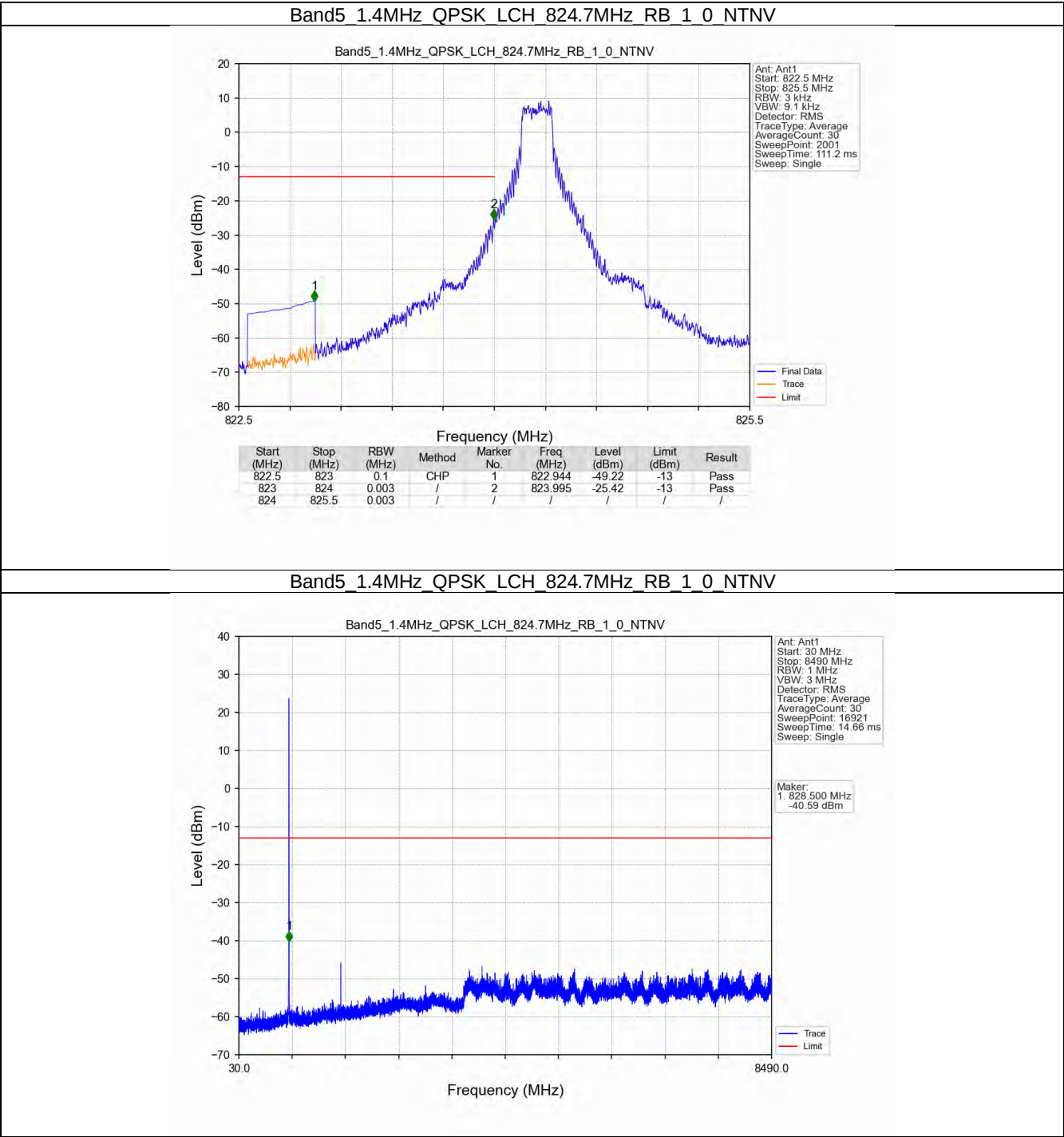
Band: 5 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.4 B5_10MHz

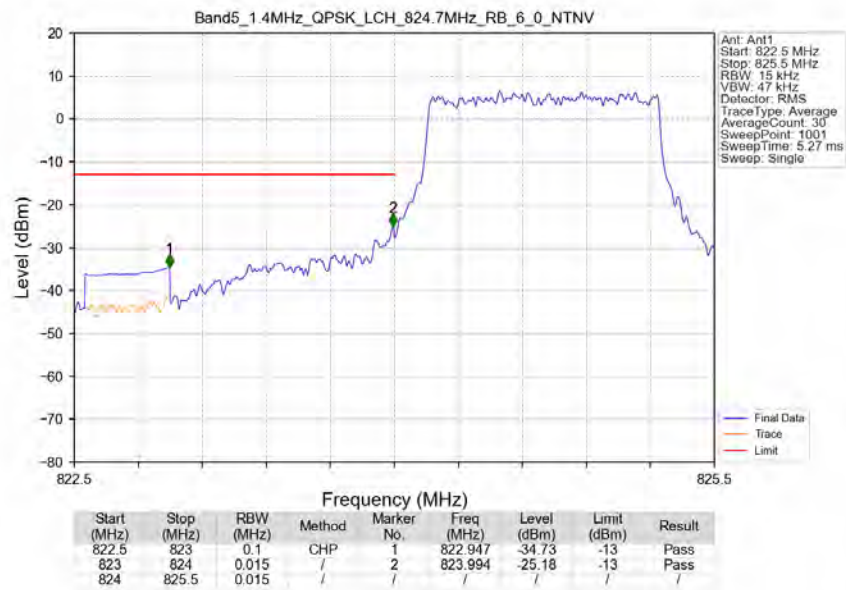
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	844	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

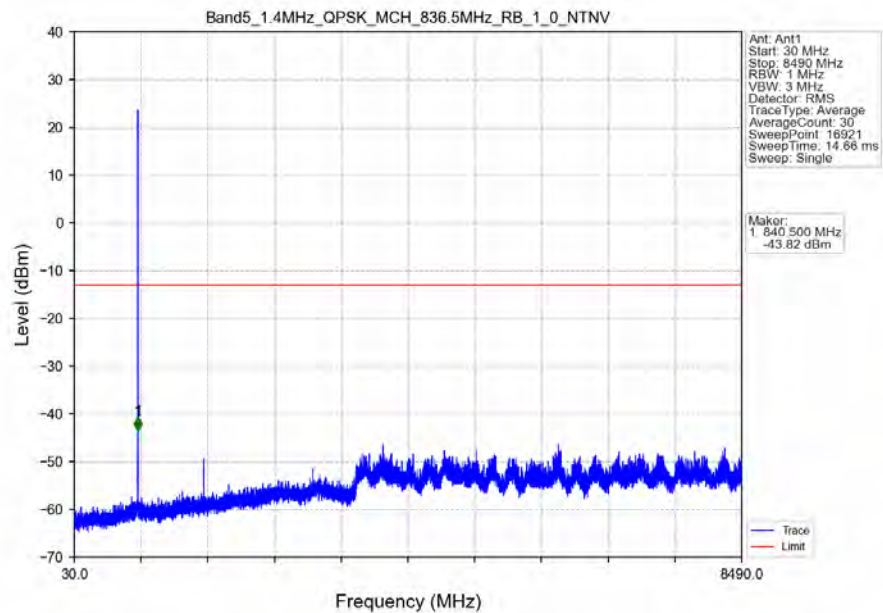
5.2.1 B5_1.4MHz



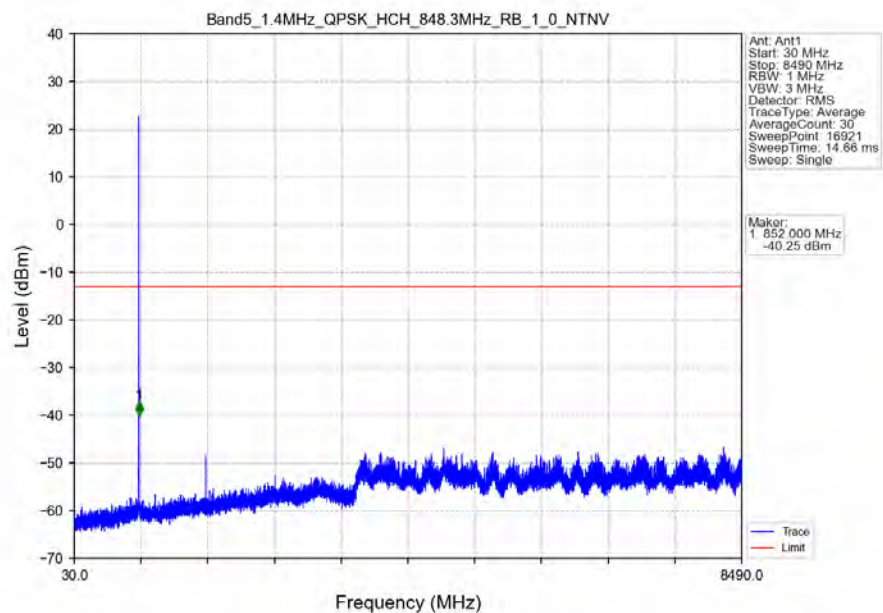
Band5_1.4MHz_QPSK_LCH_824.7MHz_RB_6_0_NTNV



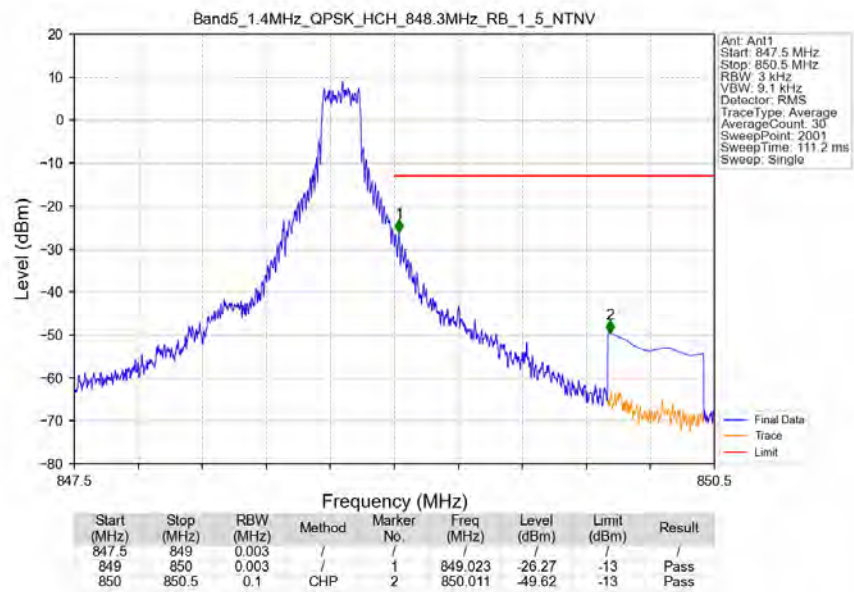
Band5_1.4MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



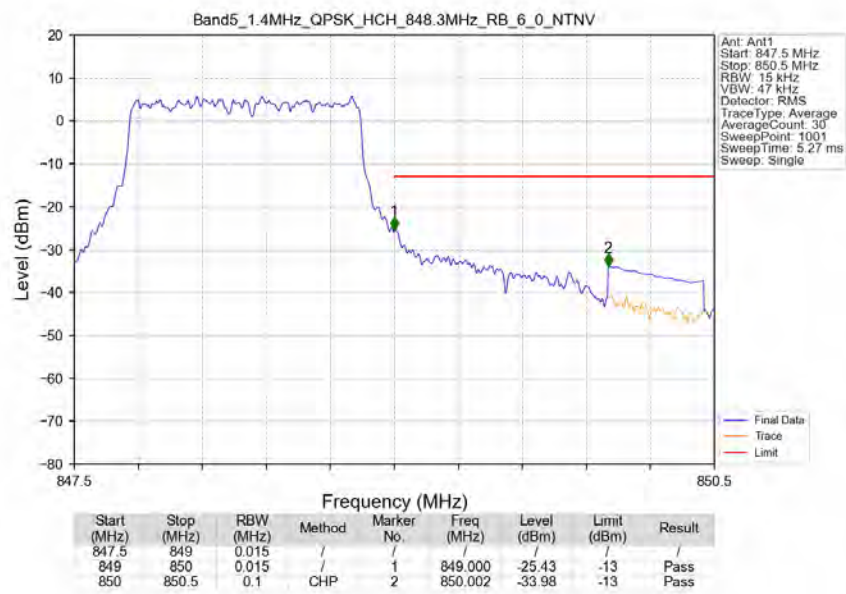
Band5 1.4MHz QPSK HCH 848.3MHz RB 1_0_NTNV



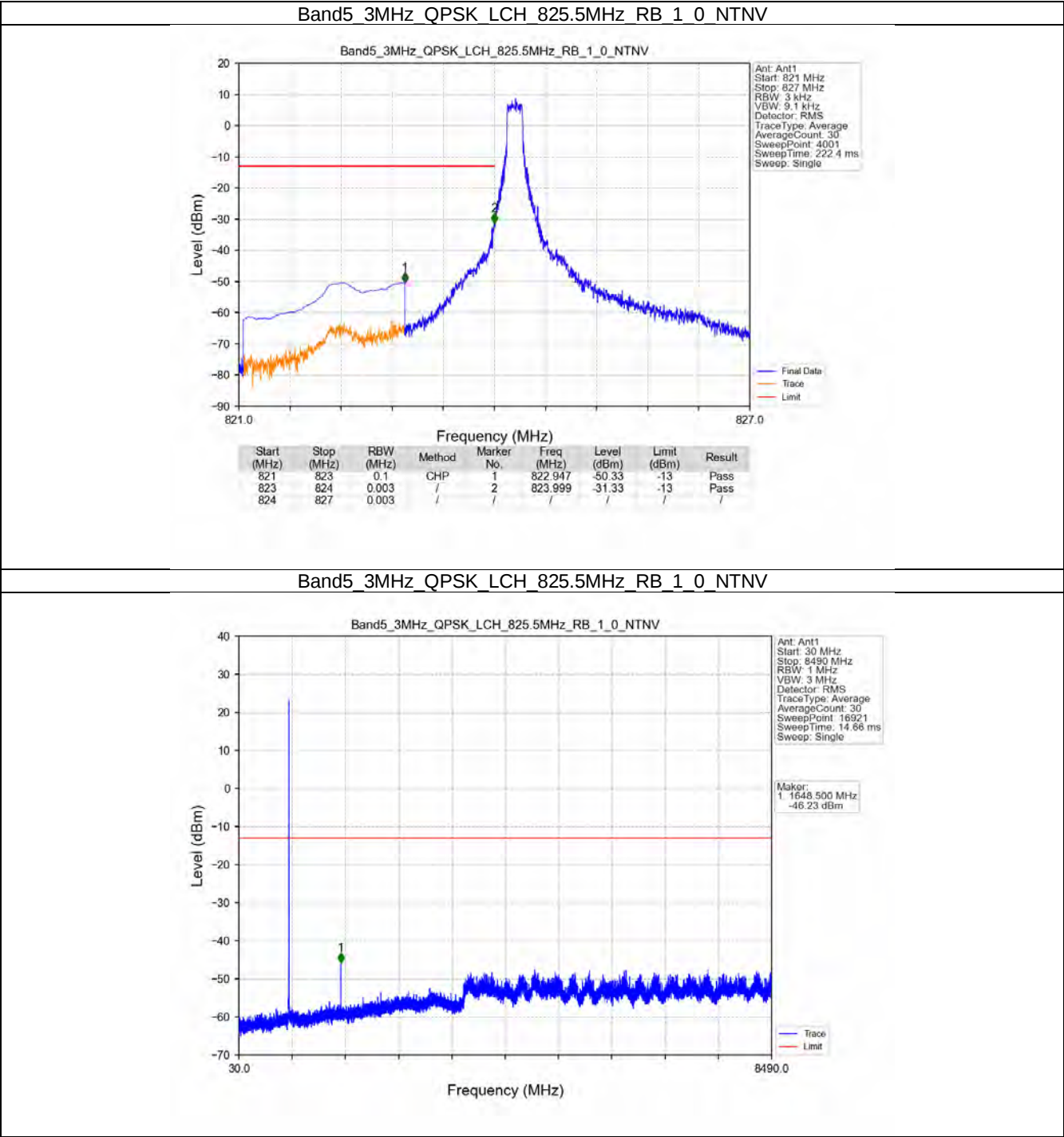
Band5_1.4MHz_QPSK_HCH_848.3MHz_RB_1_5_NTNV



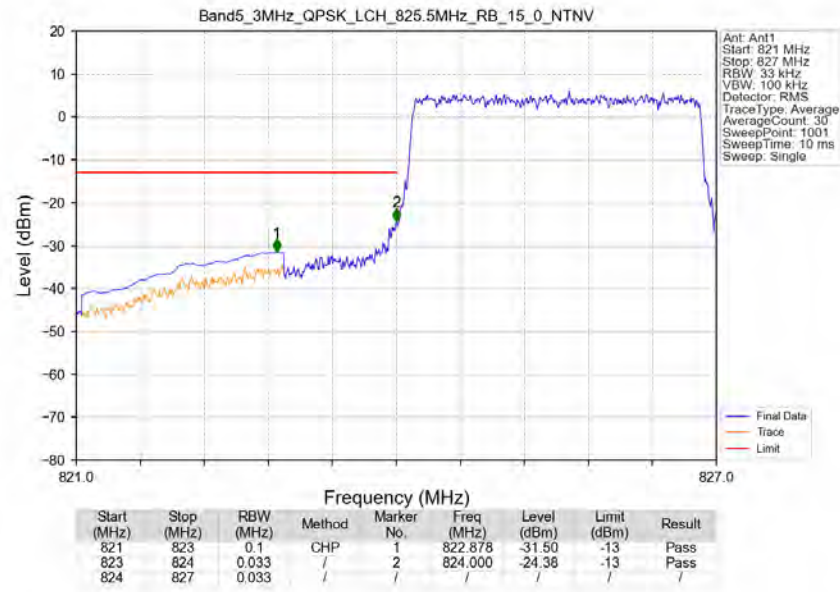
Band5 1.4MHz QPSK HCH 848.3MHz RB 6_0 NTN



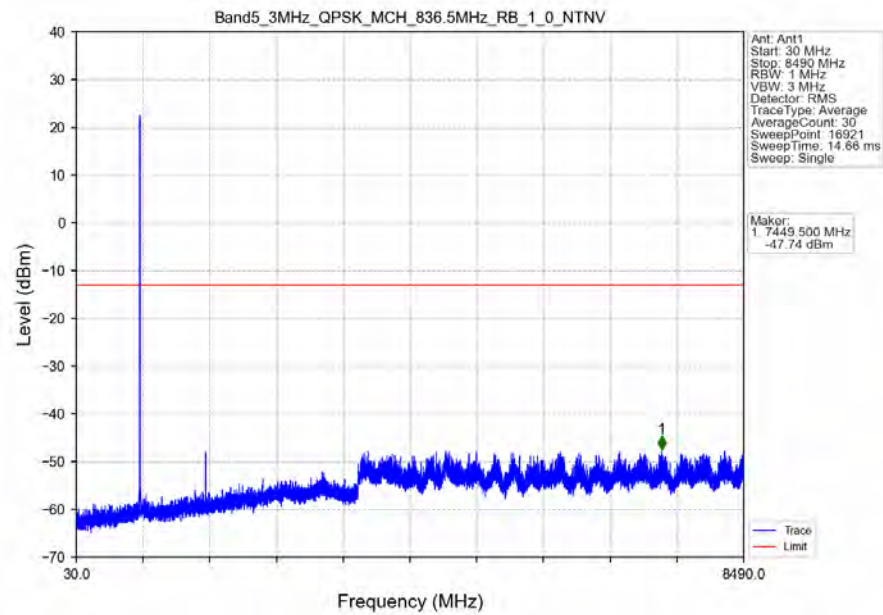
5.2.2 B5_3MHz



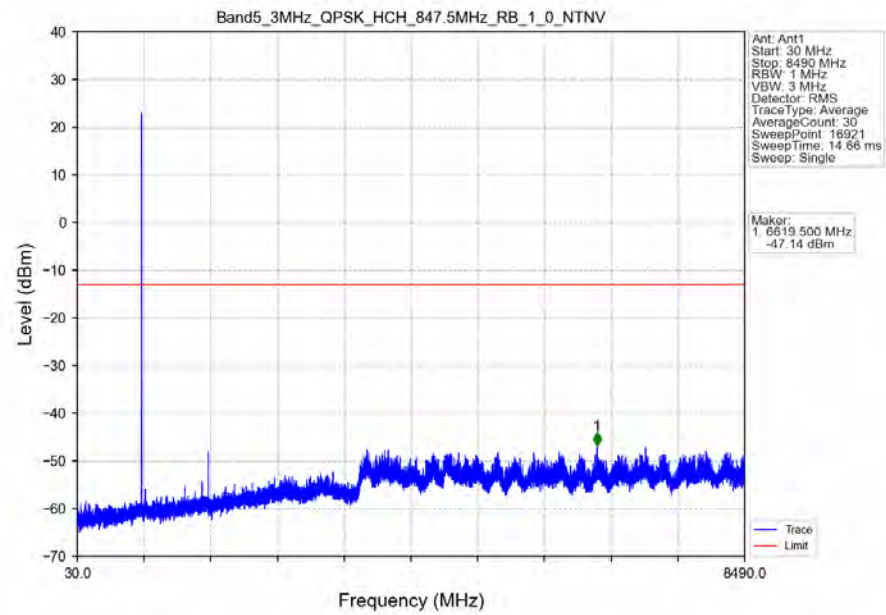
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



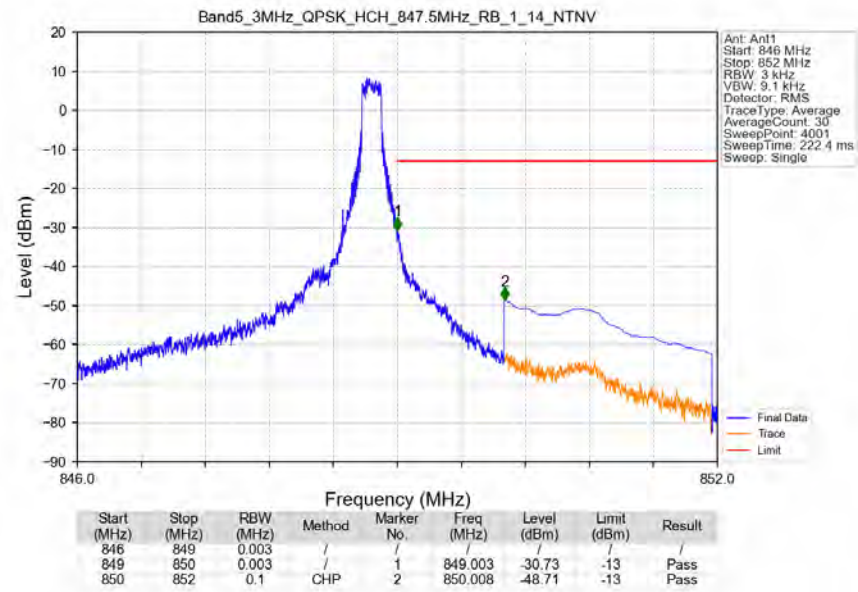
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



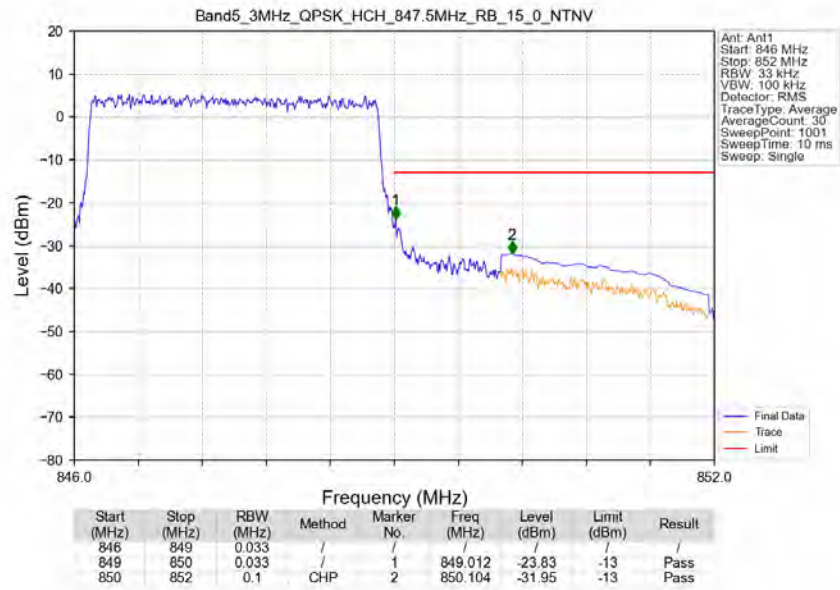
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



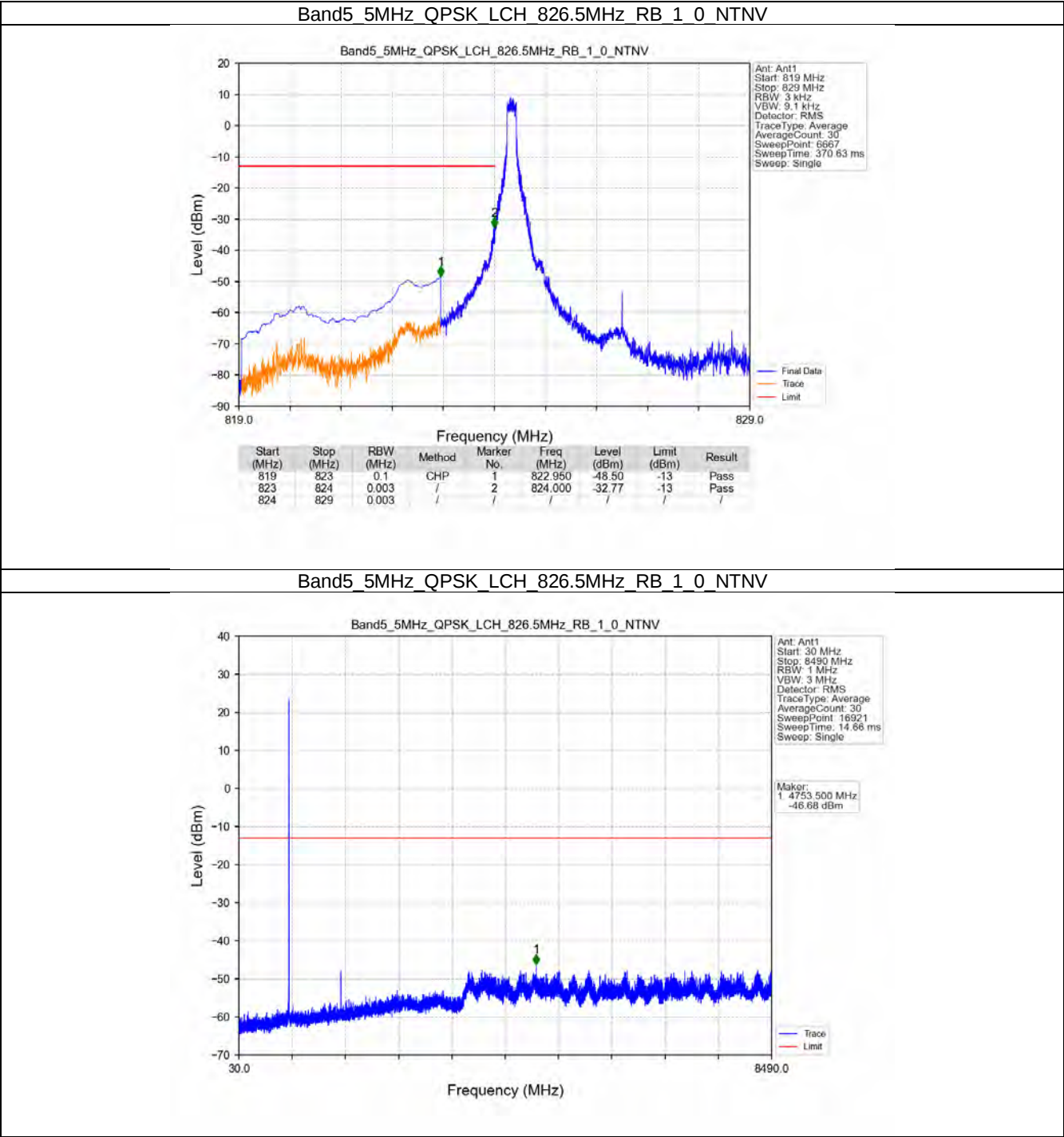
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



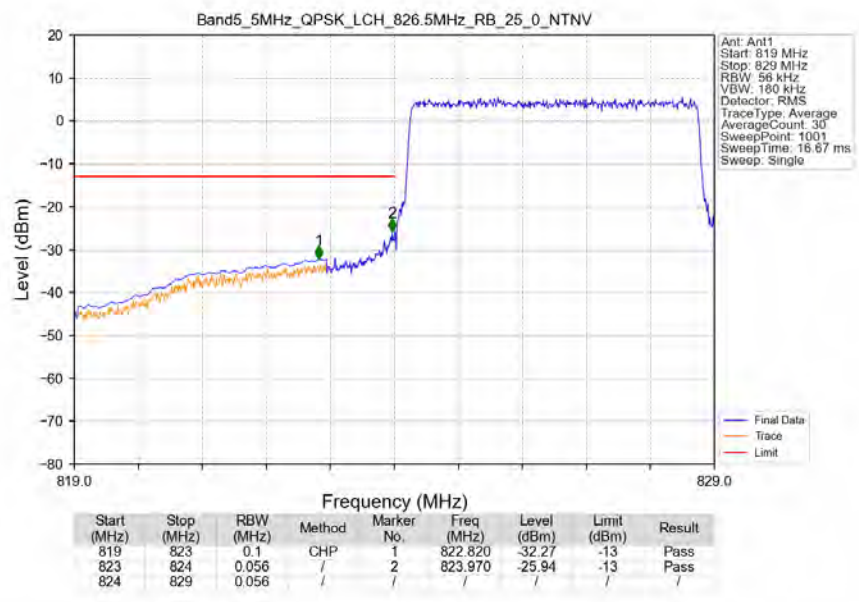
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



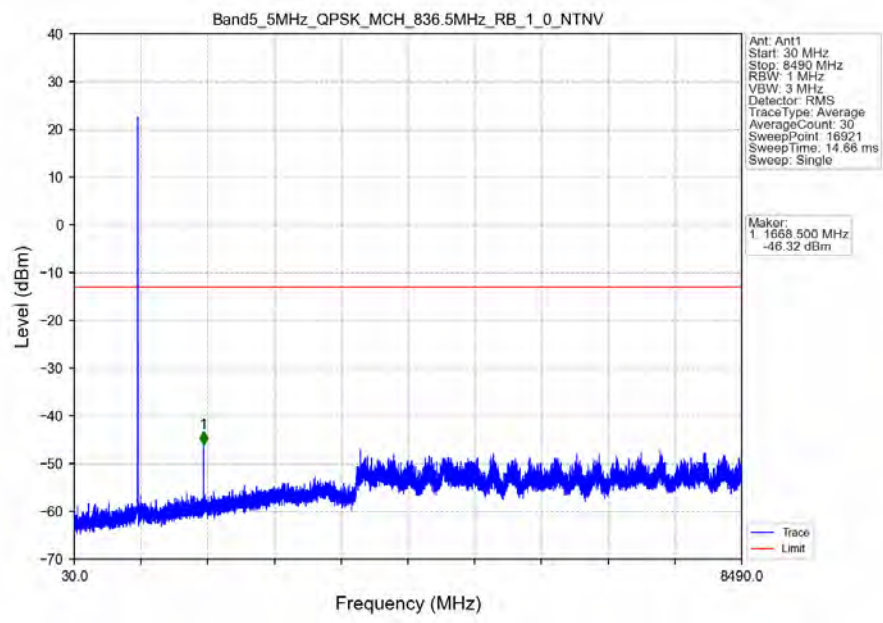
5.2.3 B5_5MHz



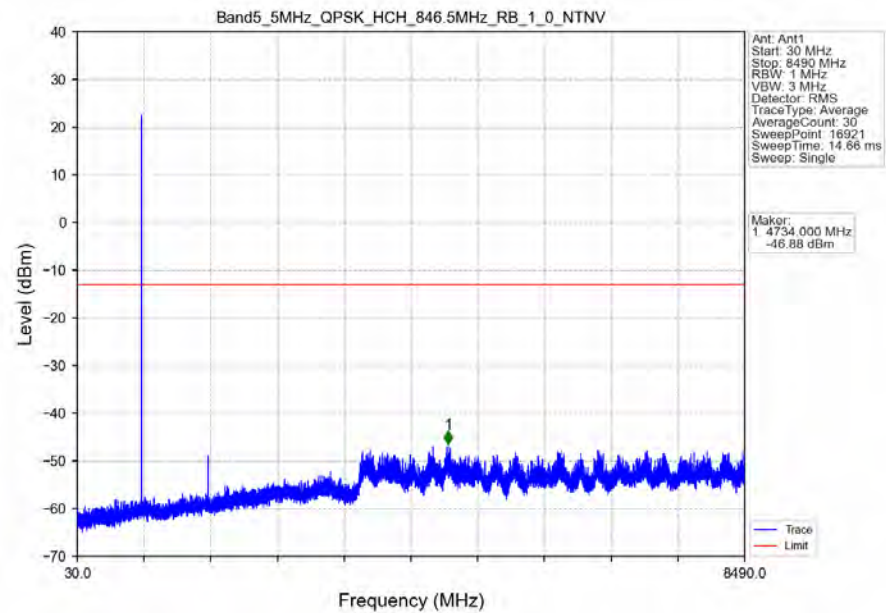
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



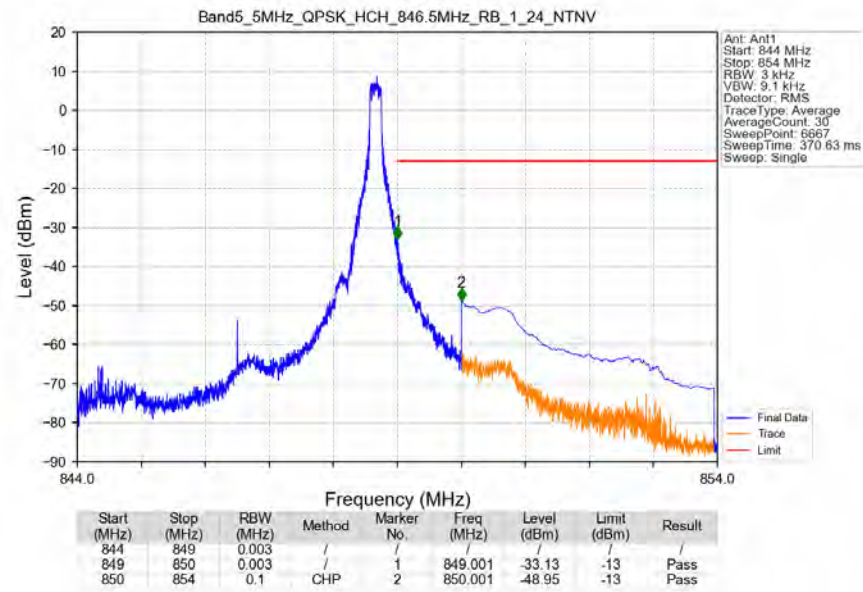
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



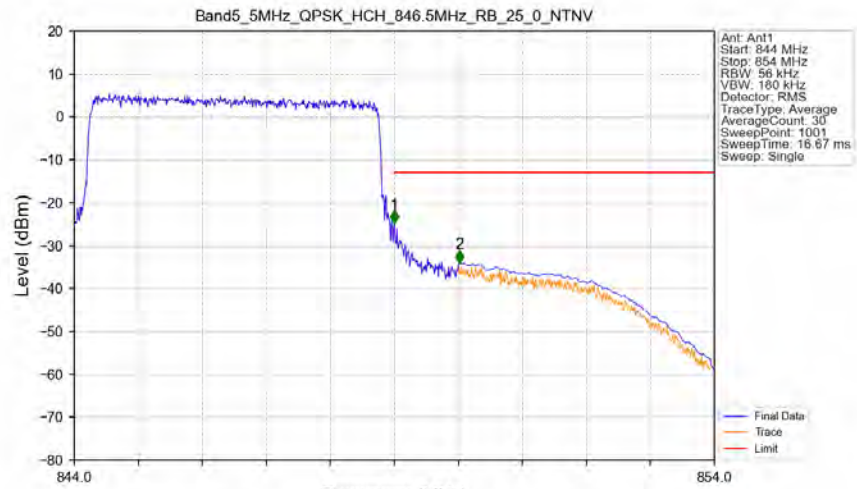
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_24_NTNV

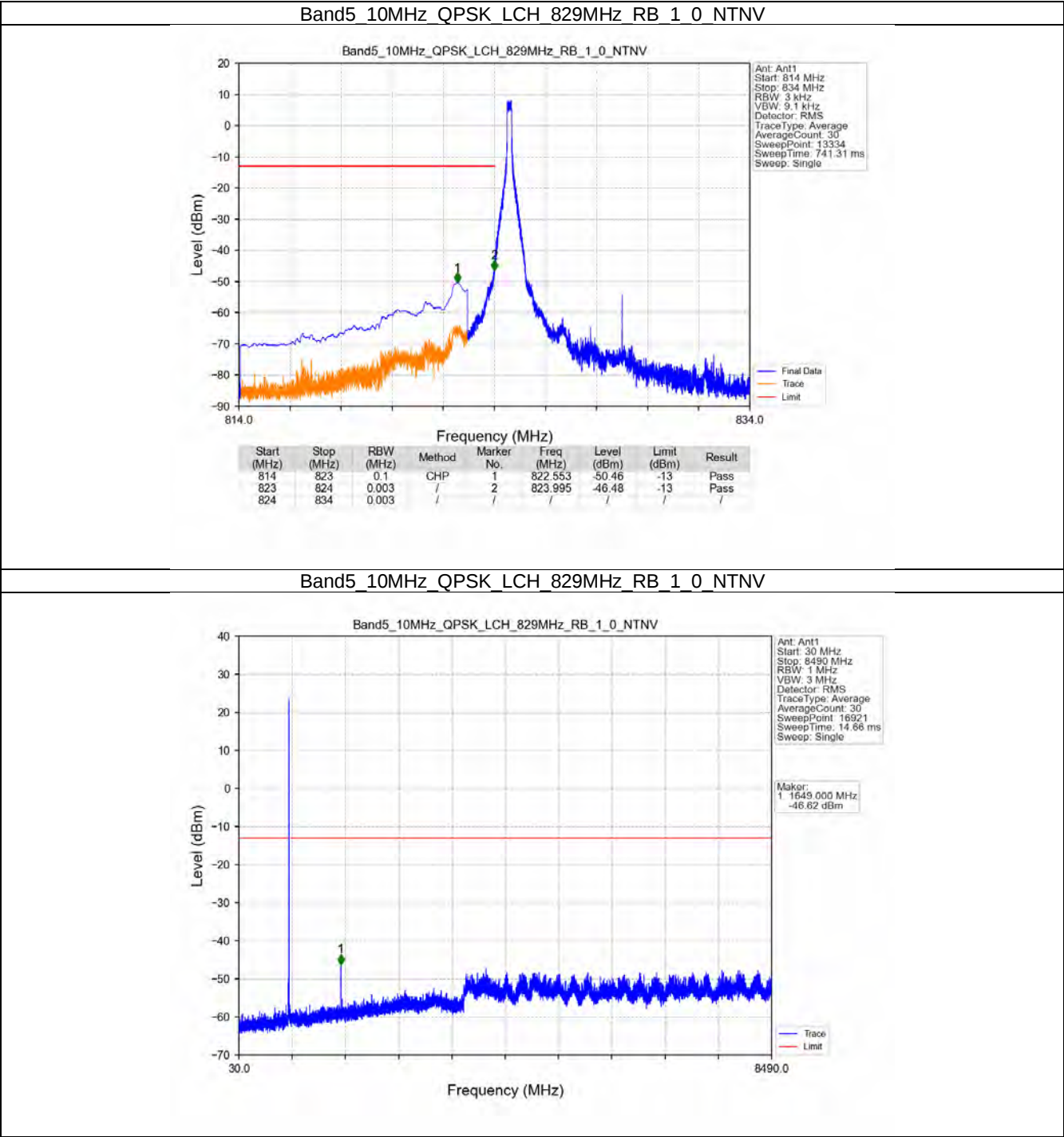


Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV

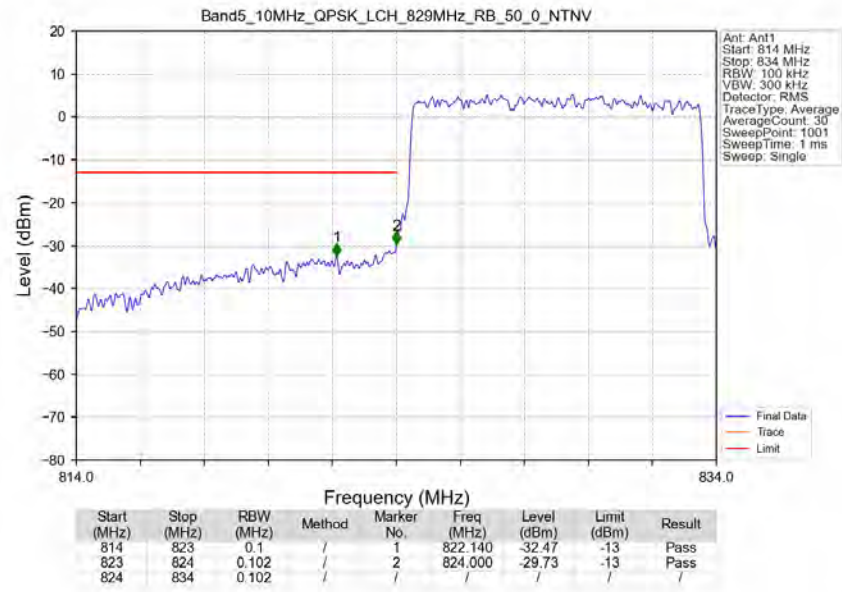


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.056	/	1	849.000	-24.83	-13	Pass
849	850	0.056	/	2	850.020	-34.07	-13	Pass
850	854	0.1	CHP					

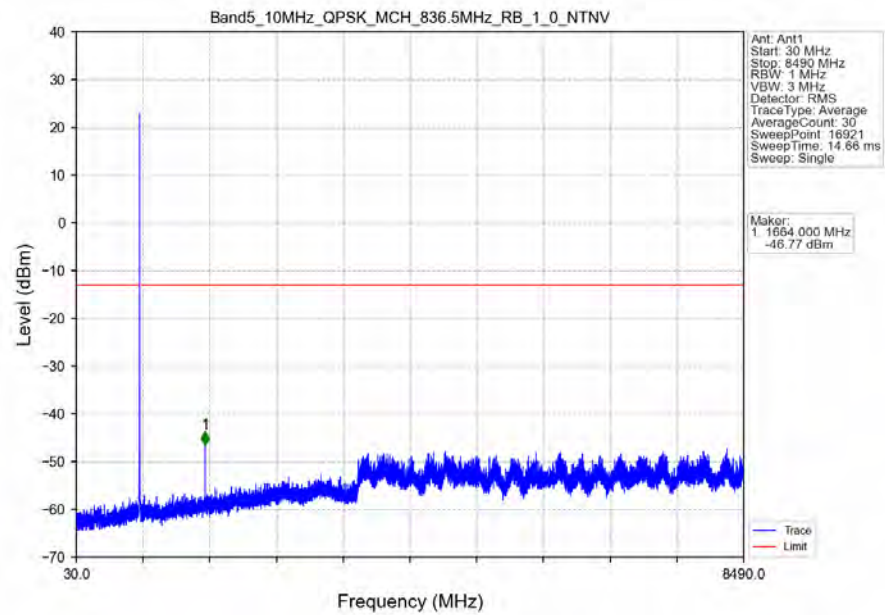
5.2.4 B5_10MHz



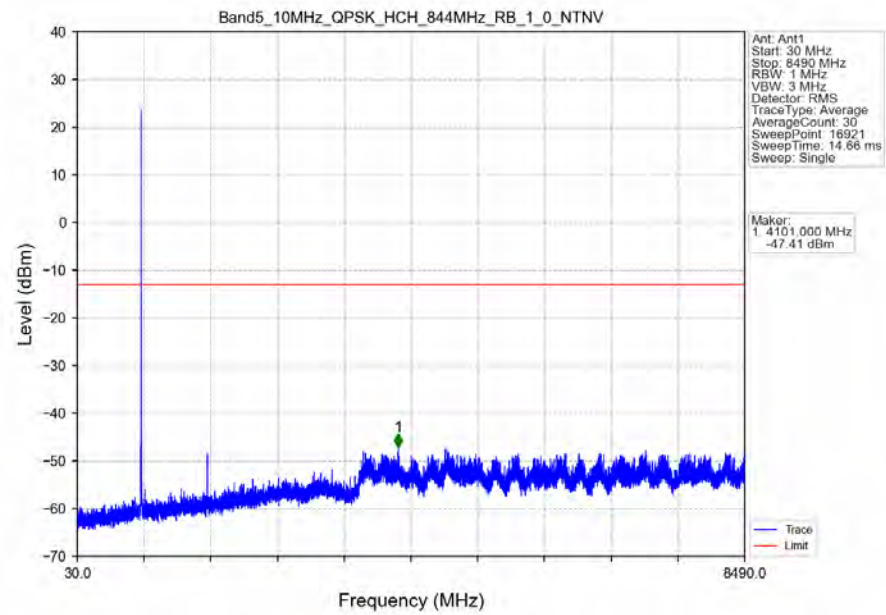
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



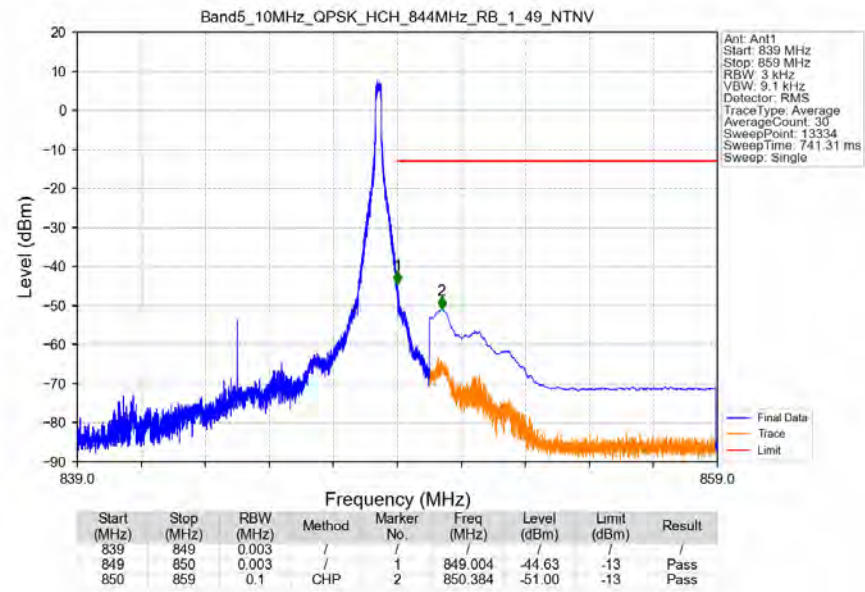
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



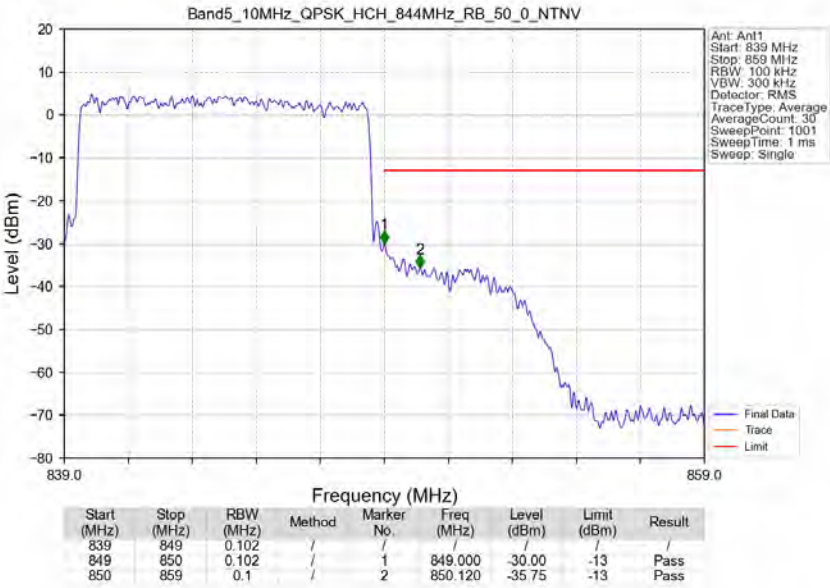
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



6. Field Strength of Spurious Radiation

LTE Band 5-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649.0	-51.75	-13	-38.75	-55.15	2.1	5.5	Horizontal	Pass
2473.5	-54.6	-13	-41.6	-57.72	2.64	5.76	Horizontal	Pass
3298.0	-54.71	-13	-41.71	-59.21	3.16	7.66	Horizontal	Pass
1649.0	-48.61	-13	-35.61	-52.01	2.1	5.5	Vertical	Pass
2473.5	-56.87	-13	-43.87	-59.99	2.64	5.76	Vertical	Pass
3298.0	-54.28	-13	-41.28	-58.78	3.16	7.66	Vertical	Pass

LTE Band 5-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1664.0	-51.12	-13	-38.12	-54.48	2.11	5.47	Horizontal	Pass
2496.0	-55.98	-13	-42.98	-59.13	2.66	5.81	Horizontal	Pass
3328.0	-54.43	-13	-41.43	-58.99	3.18	7.74	Horizontal	Pass
1664.0	-50.12	-13	-37.12	-53.48	2.11	5.47	Vertical	Pass
2496.0	-57.76	-13	-44.76	-60.91	2.66	5.81	Vertical	Pass
3328.0	-54.8	-13	-41.8	-59.36	3.18	7.74	Vertical	Pass

LTE Band 5-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679.0	-52.97	-13	-39.97	-56.27	2.13	5.43	Horizontal	Pass
2518.5	-51.95	-13	-38.95	-55.14	2.67	5.86	Horizontal	Pass
3358.0	-54.36	-13	-41.36	-58.98	3.2	7.82	Horizontal	Pass
1679.0	-52.93	-13	-39.93	-56.23	2.13	5.43	Vertical	Pass
2518.5	-55.9	-13	-42.9	-59.09	2.67	5.86	Vertical	Pass
3358.0	-56.17	-13	-43.17	-60.79	3.2	7.82	Vertical	Pass

---End of Attachment---