

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	15.21	0.30	13.36	<=38.45	Pass	
			2	15.23	0.30	13.38	<=38.45	Pass	
			5	15.15	0.30	13.30	<=38.45	Pass	
		3	0	15.22	0.30	13.37	<=38.45	Pass	
			2	15.18	0.30	13.33	<=38.45	Pass	
			3	15.15	0.30	13.30	<=38.45	Pass	
		6	0	14.20	0.30	12.35	<=38.45	Pass	
		836.5	1	0	14.97	0.30	13.12	<=38.45	Pass
				2	14.95	0.30	13.10	<=38.45	Pass
	5			14.96	0.30	13.11	<=38.45	Pass	
	3		0	14.83	0.30	12.98	<=38.45	Pass	
			2	14.91	0.30	13.06	<=38.45	Pass	
			3	14.82	0.30	12.97	<=38.45	Pass	
	6		0	13.82	0.30	11.97	<=38.45	Pass	
	848.3	1	0	15.28	0.30	13.43	<=38.45	Pass	
			2	15.35	0.30	13.50	<=38.45	Pass	
			5	15.11	0.30	13.26	<=38.45	Pass	
		3	0	15.19	0.30	13.34	<=38.45	Pass	
			2	15.10	0.30	13.25	<=38.45	Pass	
			3	14.99	0.30	13.14	<=38.45	Pass	
		6	0	14.19	0.30	12.34	<=38.45	Pass	
	16QAM	824.7	1	0	14.37	0.30	12.52	<=38.45	Pass
				2	14.43	0.30	12.58	<=38.45	Pass
				5	13.95	0.30	12.10	<=38.45	Pass
3			0	14.04	0.30	12.19	<=38.45	Pass	
			2	14.05	0.30	12.20	<=38.45	Pass	
			3	14.06	0.30	12.21	<=38.45	Pass	
6			0	12.99	0.30	11.14	<=38.45	Pass	
836.5			1	0	14.00	0.30	12.15	<=38.45	Pass
				2	14.19	0.30	12.34	<=38.45	Pass
		5		13.95	0.30	12.10	<=38.45	Pass	
		3	0	13.94	0.30	12.09	<=38.45	Pass	
			2	13.94	0.30	12.09	<=38.45	Pass	
			3	13.87	0.30	12.02	<=38.45	Pass	
		6	0	12.88	0.30	11.03	<=38.45	Pass	
848.3		1	0	14.26	0.30	12.41	<=38.45	Pass	
			2	14.34	0.30	12.49	<=38.45	Pass	
			5	14.02	0.30	12.17	<=38.45	Pass	
		3	0	14.23	0.30	12.38	<=38.45	Pass	
			2	14.18	0.30	12.33	<=38.45	Pass	
			3	14.06	0.30	12.21	<=38.45	Pass	
		6	0	13.25	0.30	11.40	<=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	15.54	0.30	13.69	<=38.45	Pass
			7	15.61	0.30	13.76	<=38.45	Pass
			14	15.49	0.30	13.64	<=38.45	Pass
		8	0	14.61	0.30	12.76	<=38.45	Pass
			4	14.61	0.30	12.76	<=38.45	Pass
			7	14.53	0.30	12.68	<=38.45	Pass
		15	0	14.57	0.30	12.72	<=38.45	Pass
	836.5	1	0	15.34	0.30	13.49	<=38.45	Pass
			7	15.40	0.30	13.55	<=38.45	Pass
			14	15.22	0.30	13.37	<=38.45	Pass
		8	0	14.35	0.30	12.50	<=38.45	Pass
			4	14.33	0.30	12.48	<=38.45	Pass
			7	14.32	0.30	12.47	<=38.45	Pass
		15	0	14.30	0.30	12.45	<=38.45	Pass
	847.5	1	0	14.92	0.30	13.07	<=38.45	Pass
			7	14.98	0.30	13.13	<=38.45	Pass
			14	14.62	0.30	12.77	<=38.45	Pass
		8	0	13.98	0.30	12.13	<=38.45	Pass
			4	14.20	0.30	12.35	<=38.45	Pass
			7	14.04	0.30	12.19	<=38.45	Pass
		15	0	14.06	0.30	12.21	<=38.45	Pass
16QAM	825.5	1	0	14.57	0.30	12.72	<=38.45	Pass
			7	14.68	0.30	12.83	<=38.45	Pass
			14	14.51	0.30	12.66	<=38.45	Pass
		8	0	13.66	0.30	11.81	<=38.45	Pass
			4	13.61	0.30	11.76	<=38.45	Pass
			7	13.59	0.30	11.74	<=38.45	Pass
		15	0	13.64	0.30	11.79	<=38.45	Pass
	836.5	1	0	14.40	0.30	12.55	<=38.45	Pass
			7	14.52	0.30	12.67	<=38.45	Pass
			14	14.00	0.30	12.15	<=38.45	Pass
		8	0	13.02	0.30	11.17	<=38.45	Pass
			4	12.98	0.30	11.13	<=38.45	Pass
			7	13.06	0.30	11.21	<=38.45	Pass
		15	0	12.96	0.30	11.11	<=38.45	Pass
	847.5	1	0	14.08	0.30	12.23	<=38.45	Pass
			7	14.10	0.30	12.25	<=38.45	Pass
			14	13.83	0.30	11.98	<=38.45	Pass
		8	0	13.00	0.30	11.15	<=38.45	Pass
			4	13.03	0.30	11.18	<=38.45	Pass
			7	13.03	0.30	11.18	<=38.45	Pass
		15	0	13.10	0.30	11.25	<=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	15.19	0.30	13.34	<=38.45	Pass
			13	15.55	0.30	13.70	<=38.45	Pass
			24	15.60	0.30	13.75	<=38.45	Pass

16QAM	836.5	12	0	14.20	0.30	12.35	<=38.45	Pass
			6	14.43	0.30	12.58	<=38.45	Pass
			13	14.45	0.30	12.60	<=38.45	Pass
		25	0	14.45	0.30	12.60	<=38.45	Pass
			0	15.49	0.30	13.64	<=38.45	Pass
			13	15.43	0.30	13.58	<=38.45	Pass
		12	24	15.34	0.30	13.49	<=38.45	Pass
			0	14.46	0.30	12.61	<=38.45	Pass
			6	14.18	0.30	12.33	<=38.45	Pass
		25	13	14.33	0.30	12.48	<=38.45	Pass
			0	14.37	0.30	12.52	<=38.45	Pass
			0	15.31	0.30	13.46	<=38.45	Pass
16QAM	846.5	1	13	15.57	0.30	13.72	<=38.45	Pass
			24	15.58	0.30	13.73	<=38.45	Pass
		12	0	14.47	0.30	12.62	<=38.45	Pass
			6	14.35	0.30	12.50	<=38.45	Pass
			13	14.39	0.30	12.54	<=38.45	Pass
		25	0	14.42	0.30	12.57	<=38.45	Pass
	826.5	1	0	14.53	0.30	12.68	<=38.45	Pass
			13	14.63	0.30	12.78	<=38.45	Pass
			24	14.53	0.30	12.68	<=38.45	Pass
		12	0	13.50	0.30	11.65	<=38.45	Pass
			6	13.59	0.30	11.74	<=38.45	Pass
			13	13.55	0.30	11.70	<=38.45	Pass
		25	0	13.53	0.30	11.68	<=38.45	Pass
	836.5	1	0	14.61	0.30	12.76	<=38.45	Pass
			13	14.69	0.30	12.84	<=38.45	Pass
			24	14.32	0.30	12.47	<=38.45	Pass
		12	0	13.40	0.30	11.55	<=38.45	Pass
			6	13.30	0.30	11.45	<=38.45	Pass
			13	13.32	0.30	11.47	<=38.45	Pass
		25	0	13.41	0.30	11.56	<=38.45	Pass
	846.5	1	0	14.34	0.30	12.49	<=38.45	Pass
			13	14.61	0.30	12.76	<=38.45	Pass
			24	14.45	0.30	12.60	<=38.45	Pass
		12	0	13.34	0.30	11.49	<=38.45	Pass
			6	13.44	0.30	11.59	<=38.45	Pass
			13	13.56	0.30	11.71	<=38.45	Pass
		25	0	13.44	0.30	11.59	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	829	1	0	14.94	0.30	13.09	<=38.45	Pass
			25	15.21	0.30	13.36	<=38.45	Pass
			49	15.58	0.30	13.73	<=38.45	Pass
		25	0	13.95	0.30	12.10	<=38.45	Pass
			13	14.11	0.30	12.26	<=38.45	Pass
			25	14.05	0.30	12.20	<=38.45	Pass
		50	0	14.05	0.30	12.20	<=38.45	Pass
			0	14.94	0.30	13.09	<=38.45	Pass
			25	15.34	0.30	13.49	<=38.45	Pass
	836.5	1	49	14.89	0.30	13.04	<=38.45	Pass
		25	0	13.97	0.30	12.12	<=38.45	Pass

16QAM	844	50	13	13.97	0.30	12.12	<=38.45	Pass
			25	14.42	0.30	12.57	<=38.45	Pass
			0	14.42	0.30	12.57	<=38.45	Pass
		1	0	14.85	0.30	13.00	<=38.45	Pass
			25	15.11	0.30	13.26	<=38.45	Pass
			49	15.26	0.30	13.41	<=38.45	Pass
		25	0	14.04	0.30	12.19	<=38.45	Pass
			13	14.12	0.30	12.27	<=38.45	Pass
			25	14.25	0.30	12.40	<=38.45	Pass
		50	0	14.15	0.30	12.30	<=38.45	Pass
	829	1	0	14.04	0.30	12.19	<=38.45	Pass
			25	14.01	0.30	12.16	<=38.45	Pass
			49	14.07	0.30	12.22	<=38.45	Pass
		12	0	21.77	0.30	19.92	<=38.45	Pass
			19	21.83	0.30	19.98	<=38.45	Pass
			38	21.80	0.30	19.95	<=38.45	Pass
		27	0	20.83	0.30	18.98	<=38.45	Pass
	836.5	1	0	14.50	0.30	12.65	<=38.45	Pass
			25	14.48	0.30	12.63	<=38.45	Pass
			49	14.51	0.30	12.66	<=38.45	Pass
		12	0	21.77	0.30	19.92	<=38.45	Pass
			19	21.77	0.30	19.92	<=38.45	Pass
			38	21.74	0.30	19.89	<=38.45	Pass
		27	0	20.80	0.30	18.95	<=38.45	Pass
	844	1	0	13.94	0.30	12.09	<=38.45	Pass
			25	14.15	0.30	12.30	<=38.45	Pass
			49	14.34	0.30	12.49	<=38.45	Pass
		12	0	21.70	0.30	19.85	<=38.45	Pass
			19	21.71	0.30	19.86	<=38.45	Pass
			38	21.66	0.30	19.81	<=38.45	Pass
		27	23	20.81	0.30	18.96	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	824.7	6	0	20	3.27	-7.167	-0.0087	-2.5 to 2.5	Pass
					3.85	-12.589	-0.0153	-2.5 to 2.5	Pass
					4.43	-19.169	-0.0232	-2.5 to 2.5	Pass
				-30	3.85	-14.777	-0.0179	-2.5 to 2.5	Pass
				-20	3.85	-7.610	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-4.234	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.345	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.129	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.130	-0.0014	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	15.879	0.0190	-2.5 to 2.5	Pass
					3.85	9.899	0.0118	-2.5 to 2.5	Pass
					4.43	3.448	0.0041	-2.5 to 2.5	Pass

				-30	3.85	1.860	0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.815	0.0010	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.772	0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-17.681	-0.0208	-2.5 to 2.5	Pass
					3.85	-19.941	-0.0235	-2.5 to 2.5	Pass
					4.43	-11.845	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	-6.838	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-1.273	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.416	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-0.715	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.601	-0.0007	-2.5 to 2.5	Pass
	824.7	6	0	20	3.27	-0.944	-0.0011	-2.5 to 2.5	Pass
					3.85	-0.758	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.687	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.501	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.659	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				0	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.658	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-0.930	-0.0011	-2.5 to 2.5	Pass
				40	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.272	-0.0003	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-0.572	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.787	-0.0009	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.472	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	0.701	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.215	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				50	3.85	-1.302	-0.0016	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-2.003	-0.0024	-2.5 to 2.5	Pass
					3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
					4.43	0.715	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.645	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.443	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-0.701	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.173	-0.0014	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz							
Modulation	Frequency	RB Allocation	Temp.	Voltage	Freq. Error	Freq. vs. Rated (ppm)	Verdict

	(MHz)	Size	Offset	(°C)	(VDC)	(Hz)	Result	Limit	
QPSK	825.5	15	0	20	3.27	0.887	0.0011	-2.5 to 2.5	Pass
					3.85	1.574	0.0019	-2.5 to 2.5	Pass
					4.43	0.443	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.144	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.144	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.316	0.0016	-2.5 to 2.5	Pass
				10	3.85	1.016	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.187	0.0014	-2.5 to 2.5	Pass
				40	3.85	0.858	0.0010	-2.5 to 2.5	Pass
				50	3.85	0.515	0.0006	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	1.416	0.0017	-2.5 to 2.5	Pass
					3.85	1.974	0.0024	-2.5 to 2.5	Pass
					4.43	1.760	0.0021	-2.5 to 2.5	Pass
				-30	3.85	1.445	0.0017	-2.5 to 2.5	Pass
				-20	3.85	2.103	0.0025	-2.5 to 2.5	Pass
				-10	3.85	1.431	0.0017	-2.5 to 2.5	Pass
				0	3.85	1.917	0.0023	-2.5 to 2.5	Pass
				10	3.85	2.189	0.0026	-2.5 to 2.5	Pass
				30	3.85	1.688	0.0020	-2.5 to 2.5	Pass
				40	3.85	1.531	0.0018	-2.5 to 2.5	Pass
				50	3.85	1.073	0.0013	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-0.415	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
					4.43	0.114	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.186	0.0002	-2.5 to 2.5	Pass
				0	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.243	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.529	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.672	0.0008	-2.5 to 2.5	Pass
16QAM	825.5	15	0	20	3.27	0.086	0.0001	-2.5 to 2.5	Pass
					3.85	0.916	0.0011	-2.5 to 2.5	Pass
					4.43	0.272	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				30	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.916	0.0011	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	1.631	0.0019	-2.5 to 2.5	Pass
					3.85	2.074	0.0025	-2.5 to 2.5	Pass
					4.43	1.845	0.0022	-2.5 to 2.5	Pass
				-30	3.85	1.373	0.0016	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.744	0.0009	-2.5 to 2.5	Pass
				0	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.157	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.701	0.0008	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	0.658	0.0008	-2.5 to 2.5	Pass
					3.85	-0.687	-0.0008	-2.5 to 2.5	Pass
					4.43	1.016	0.0012	-2.5 to 2.5	Pass

				-30	3.85	-0.172	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.658	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.501	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.459	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.273	0.0015	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0004	-2.5 to 2.5	Pass

2.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	826.5	25	0	20	3.27	1.717	0.0021	-2.5 to 2.5	Pass
					3.85	0.815	0.0010	-2.5 to 2.5	Pass
					4.43	2.046	0.0025	-2.5 to 2.5	Pass
				-30	3.85	2.203	0.0027	-2.5 to 2.5	Pass
				-20	3.85	2.074	0.0025	-2.5 to 2.5	Pass
				-10	3.85	2.890	0.0035	-2.5 to 2.5	Pass
				0	3.85	2.561	0.0031	-2.5 to 2.5	Pass
				10	3.85	2.446	0.0030	-2.5 to 2.5	Pass
				30	3.85	2.875	0.0035	-2.5 to 2.5	Pass
				40	3.85	2.260	0.0027	-2.5 to 2.5	Pass
				50	3.85	1.588	0.0019	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	2.389	0.0029	-2.5 to 2.5	Pass
					3.85	3.104	0.0037	-2.5 to 2.5	Pass
					4.43	3.719	0.0044	-2.5 to 2.5	Pass
				-30	3.85	2.804	0.0034	-2.5 to 2.5	Pass
				-20	3.85	3.090	0.0037	-2.5 to 2.5	Pass
				-10	3.85	1.802	0.0022	-2.5 to 2.5	Pass
				0	3.85	1.931	0.0023	-2.5 to 2.5	Pass
				10	3.85	1.259	0.0015	-2.5 to 2.5	Pass
				30	3.85	1.402	0.0017	-2.5 to 2.5	Pass
				40	3.85	1.316	0.0016	-2.5 to 2.5	Pass
				50	3.85	1.030	0.0012	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	2.117	0.0025	-2.5 to 2.5	Pass
					3.85	1.259	0.0015	-2.5 to 2.5	Pass
					4.43	1.502	0.0018	-2.5 to 2.5	Pass
				-30	3.85	0.787	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.445	0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0006	-2.5 to 2.5	Pass
				0	3.85	0.830	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.372	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.873	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0001	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	0.458	0.0006	-2.5 to 2.5	Pass
					3.85	1.159	0.0014	-2.5 to 2.5	Pass
					4.43	0.958	0.0012	-2.5 to 2.5	Pass
				-30	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.873	0.0011	-2.5 to 2.5	Pass
				-10	3.85	0.644	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.730	0.0009	-2.5 to 2.5	Pass
				40	3.85	0.587	0.0007	-2.5 to 2.5	Pass

	836.5	25	0	50	3.85	-0.043	-0.0001	-2.5 to 2.5	Pass
				20	3.27	0.615	0.0007	-2.5 to 2.5	Pass
					3.85	0.730	0.0009	-2.5 to 2.5	Pass
					4.43	0.873	0.0010	-2.5 to 2.5	Pass
				-30	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.772	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.587	0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0015	-2.5 to 2.5	Pass
	846.5	25	0	40	3.85	0.687	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.431	0.0017	-2.5 to 2.5	Pass
				20	3.27	0.572	0.0007	-2.5 to 2.5	Pass
					3.85	0.873	0.0010	-2.5 to 2.5	Pass
					4.43	-0.401	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.458	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.529	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	0.601	0.0007	-2.5 to 2.5	Pass

2.1.4 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	3.27	-0.358	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.730	-0.0009	-2.5 to 2.5	Pass
					4.43	-0.329	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.587	0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.558	0.0007	-2.5 to 2.5	Pass
				30	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0003	-2.5 to 2.5	Pass
	836.5	50	0	50	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.85	0.200	0.0002	-2.5 to 2.5	Pass
					4.43	0.372	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.087	0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.300	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.300	-0.0004	-2.5 to 2.5	Pass
	844	50	0	40	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.415	-0.0005	-2.5 to 2.5	Pass
				20	3.27	0.501	0.0006	-2.5 to 2.5	Pass
					3.85	0.086	0.0001	-2.5 to 2.5	Pass
					4.43	0.257	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.529	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.429	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.987	0.0012	-2.5 to 2.5	Pass

				0	3.85	0.858	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.272	0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.701	0.0008	-2.5 to 2.5	Pass
				50	3.85	-0.215	-0.0003	-2.5 to 2.5	Pass
16QAM	829	27	0	20	3.27	0.358	0.0004	-2.5 to 2.5	Pass
					3.85	0.544	0.0007	-2.5 to 2.5	Pass
					4.43	0.458	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.101	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.960	0.0024	-2.5 to 2.5	Pass
				-10	3.85	1.273	0.0015	-2.5 to 2.5	Pass
				0	3.85	0.844	0.0010	-2.5 to 2.5	Pass
				10	3.85	1.559	0.0019	-2.5 to 2.5	Pass
				30	3.85	0.415	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.030	0.0012	-2.5 to 2.5	Pass
	836.5	27	0	50	3.85	1.273	0.0015	-2.5 to 2.5	Pass
				20	3.27	-0.558	-0.0007	-2.5 to 2.5	Pass
					3.85	0.601	0.0007	-2.5 to 2.5	Pass
					4.43	0.343	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.415	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.358	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0002	-2.5 to 2.5	Pass
				30	3.85	-0.358	-0.0004	-2.5 to 2.5	Pass
	844	27	23	40	3.85	-0.587	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.615	-0.0007	-2.5 to 2.5	Pass
				20	3.27	0.501	0.0006	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	0.129	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				10	3.85	-0.229	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0002	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.272	0.0003	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	6	0	Refer To Test Graph		Pass
16QAM	836.5	6	0	Refer To Test Graph		Pass

3.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV					
Modulation	Frequency	RB Allocation		Modulation Characteristics	Verdict

	(MHz)	Size	Offset	Result	Limit	
QPSK	836.5	15	0	Refer To Test Graph		Pass
16QAM	836.5	15	0	Refer To Test Graph		Pass

3.1.3 B5_5MHz

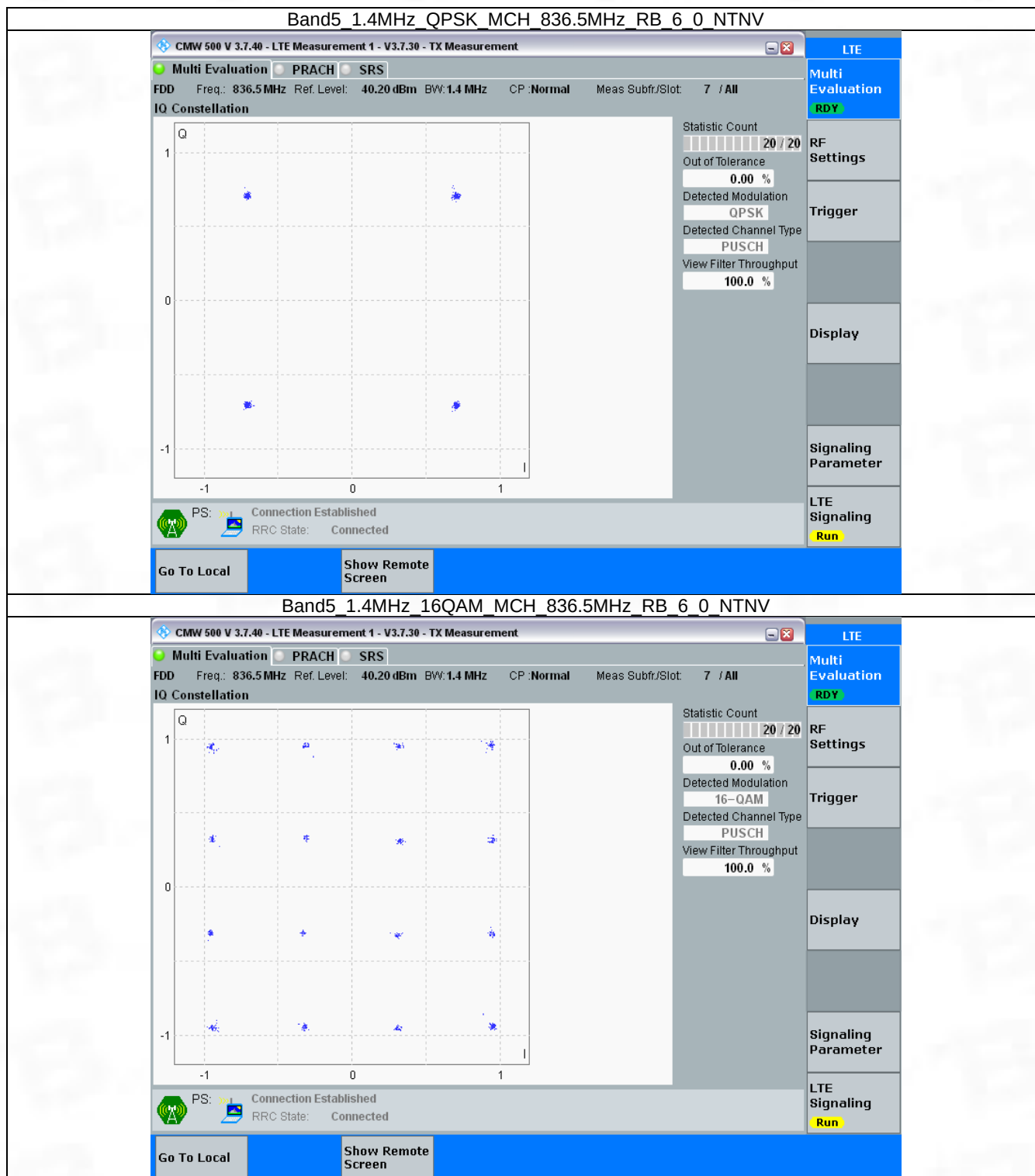
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

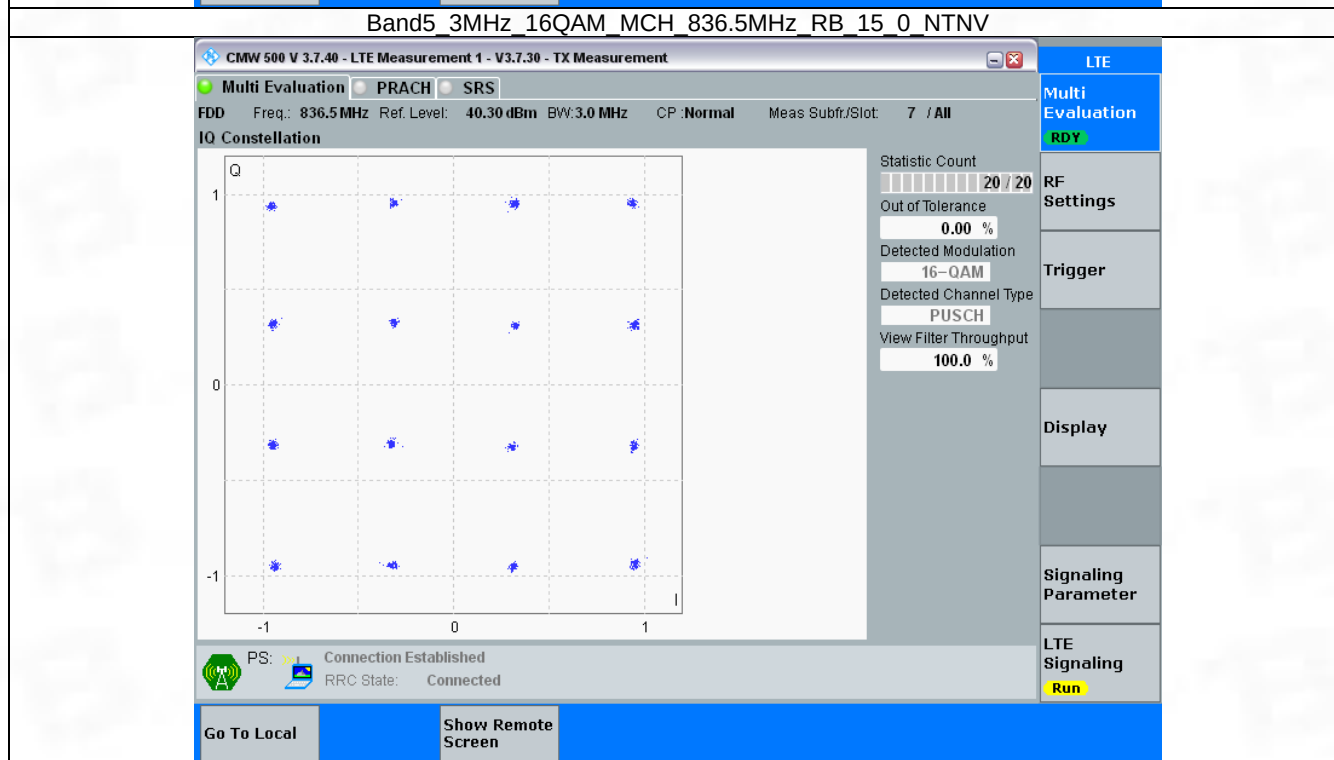
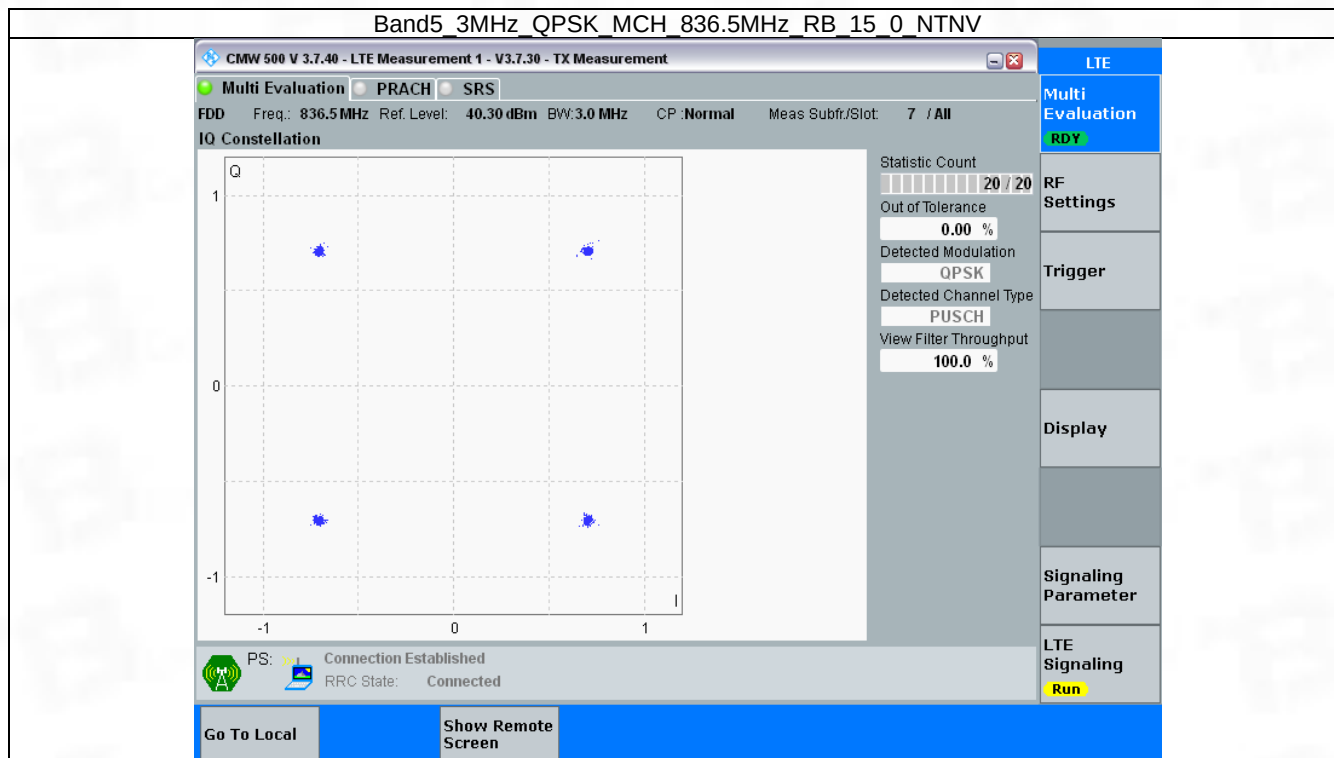
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

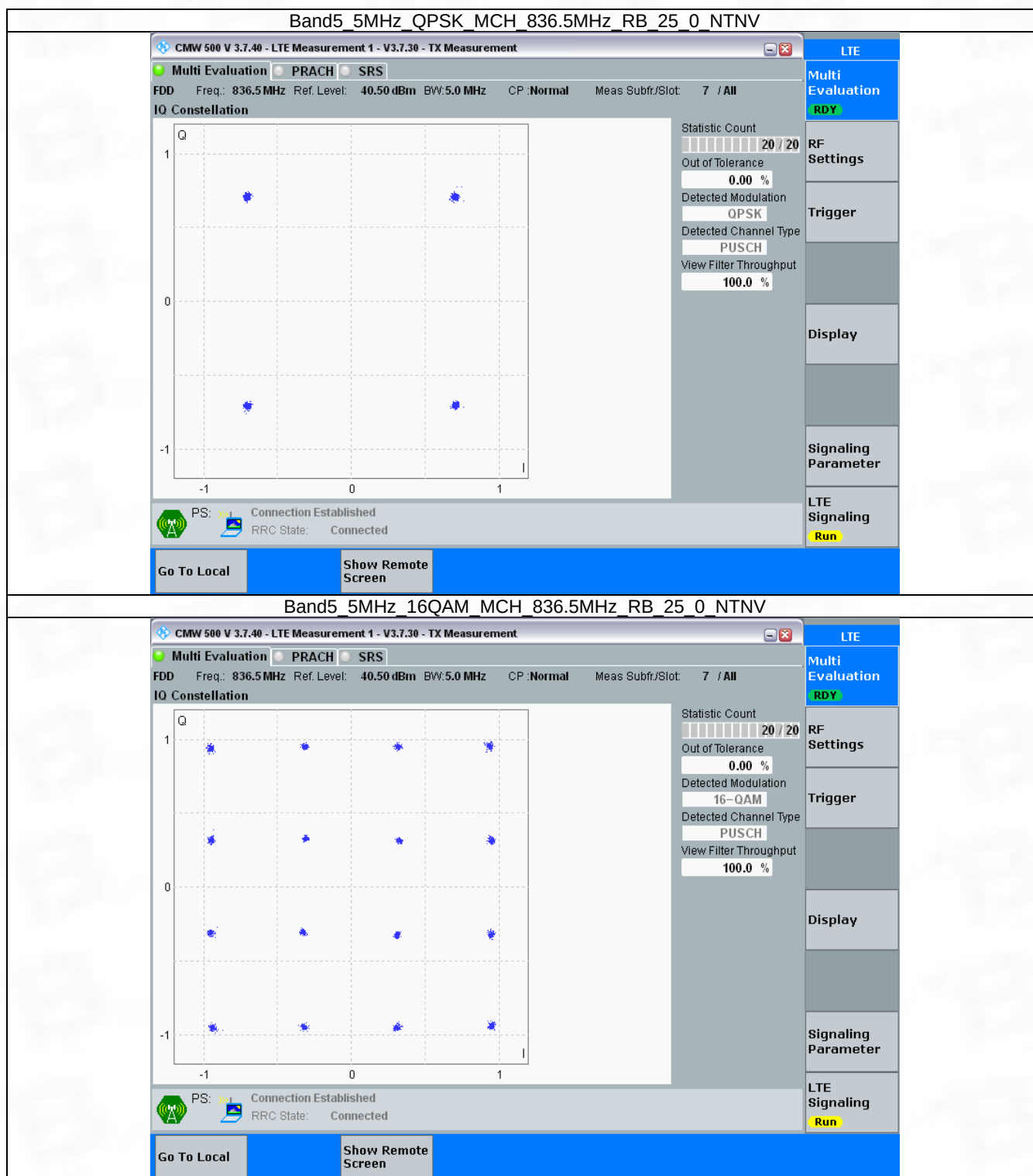
3.2.1 B5_1.4MHz



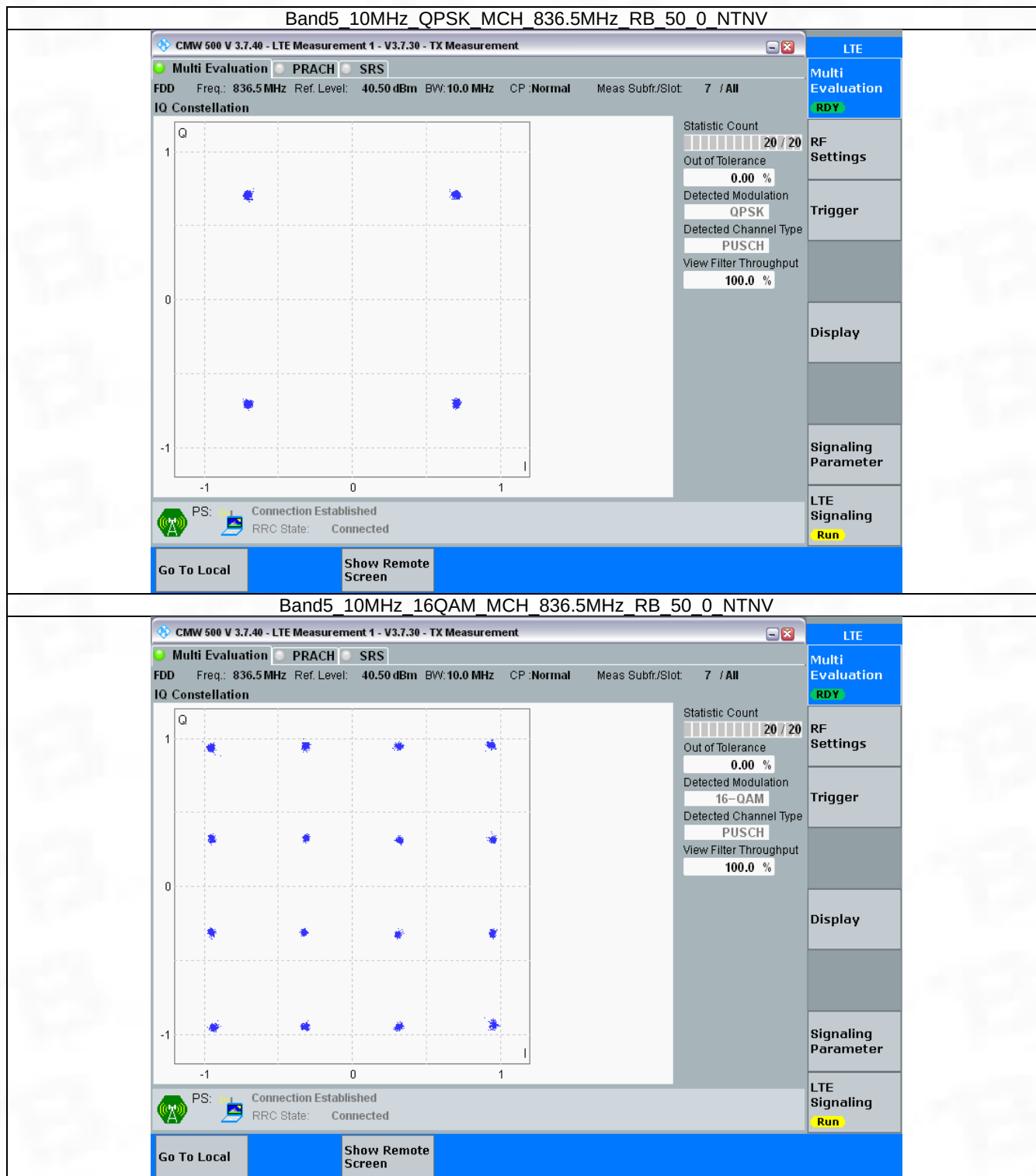
3.2.2 B5_3MHz



3.2.3 B5_5MHz



3.2.4 B5_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band5_OBW

Band: 5 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	824.7	6	0	1.122	/	Pass
		836.5	6	0	1.129	/	Pass
		848.3	6	0	1.302	/	Pass
	16QAM	824.7	6	0	1.131	/	Pass
		836.5	6	0	1.137	/	Pass
		848.3	6	0	1.150	/	Pass
3	QPSK	825.5	15	0	2.751	/	Pass
		836.5	15	0	2.752	/	Pass
		847.5	15	0	2.752	/	Pass
	16QAM	825.5	15	0	2.755	/	Pass
		836.5	15	0	2.752	/	Pass
		847.5	15	0	2.742	/	Pass
5	QPSK	826.5	25	0	4.582	/	Pass
		836.5	25	0	4.565	/	Pass
		846.5	25	0	4.529	/	Pass
	16QAM	826.5	25	0	4.575	/	Pass
		836.5	25	0	4.572	/	Pass
		846.5	25	0	4.523	/	Pass
10	QPSK	829	50	0	9.089	/	Pass
		836.5	50	0	9.033	/	Pass
		844	50	0	9.027	/	Pass
	16QAM	829	27	0	5.158	/	Pass
		836.5	27	0	5.149	/	Pass
		844	27	23	29.725	/	Pass

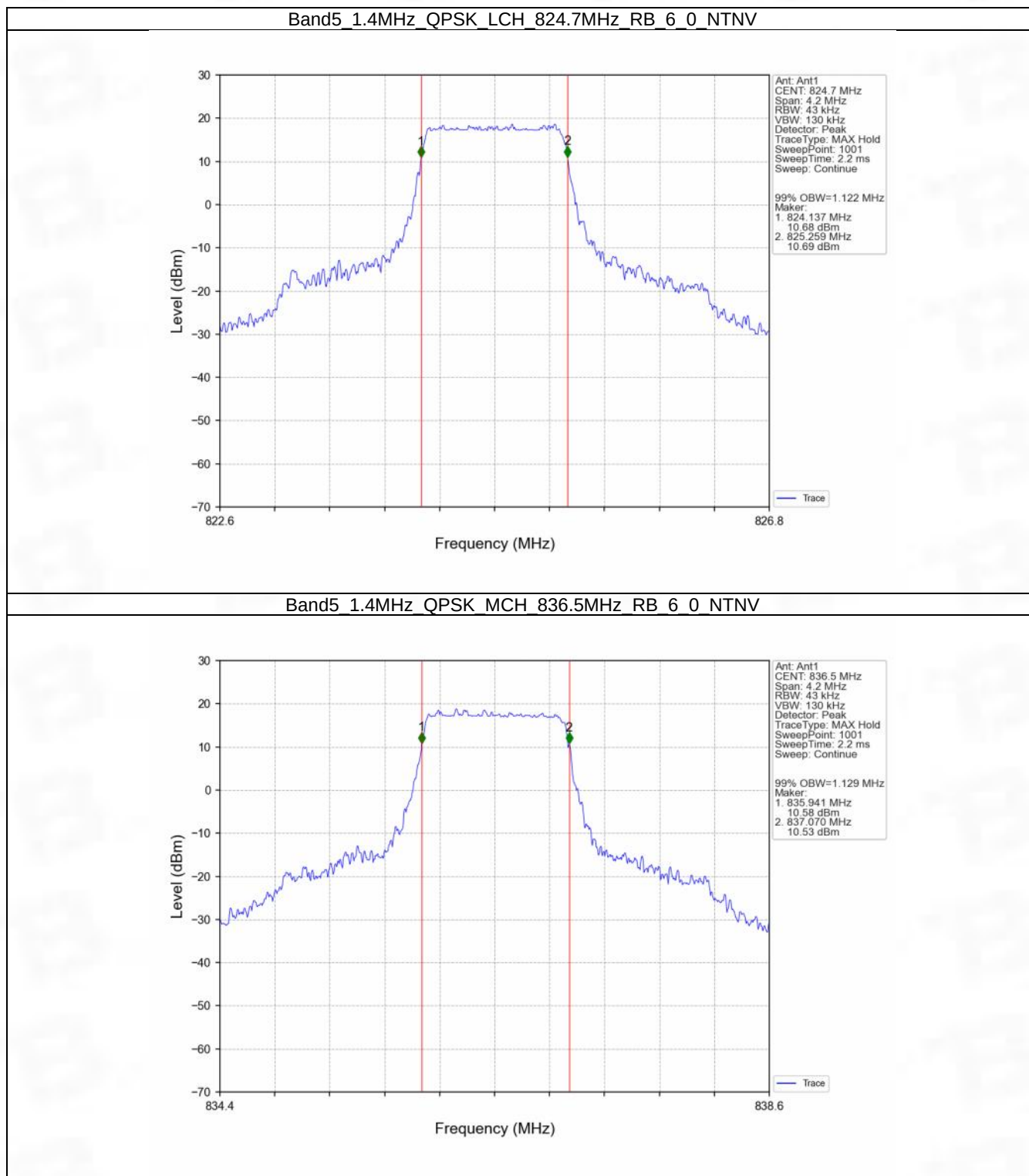
4.1.2 Band5_XDB

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	1.399	/	Pass
		836.5	6	0	1.382	/	Pass
		848.3	6	0	2.285	/	Pass
	16QAM	824.7	6	0	1.459	/	Pass
		836.5	6	0	1.422	/	Pass
		848.3	6	0	1.813	/	Pass
3	QPSK	825.5	15	0	3.147	/	Pass
		836.5	15	0	3.118	/	Pass
		847.5	15	0	3.146	/	Pass
	16QAM	825.5	15	0	3.162	/	Pass
		836.5	15	0	3.115	/	Pass
		847.5	15	0	3.090	/	Pass
5	QPSK	826.5	25	0	5.291	/	Pass
		836.5	25	0	5.208	/	Pass
		846.5	25	0	5.165	/	Pass
	16QAM	826.5	25	0	5.243	/	Pass
		836.5	25	0	5.198	/	Pass

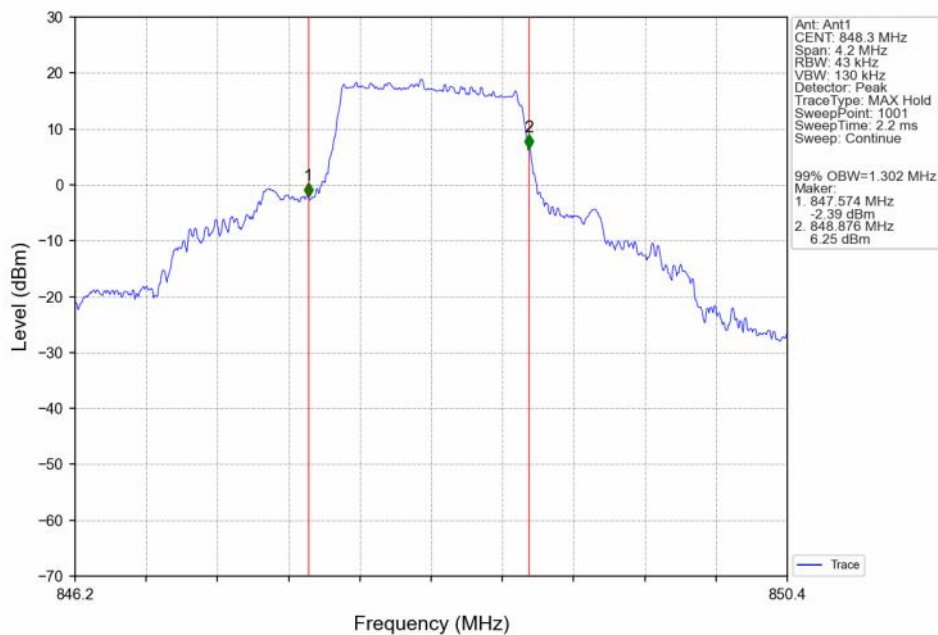
		846.5	25	0	5.129	/	Pass
10	QPSK	829	50	0	10.227	/	Pass
		836.5	50	0	10.101	/	Pass
		844	50	0	10.145	/	Pass
		829	27	0	8.737	/	Pass
	16QAM	836.5	27	0	8.064	/	Pass
		844	27	23	10.081	/	Pass

4.2 Test Graph

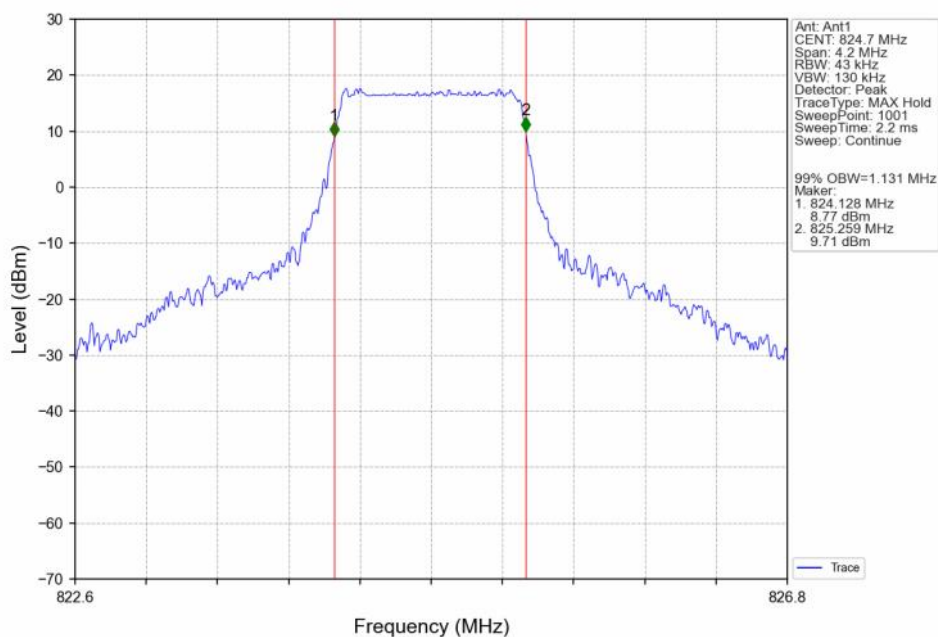
4.2.1 Band5_OBW



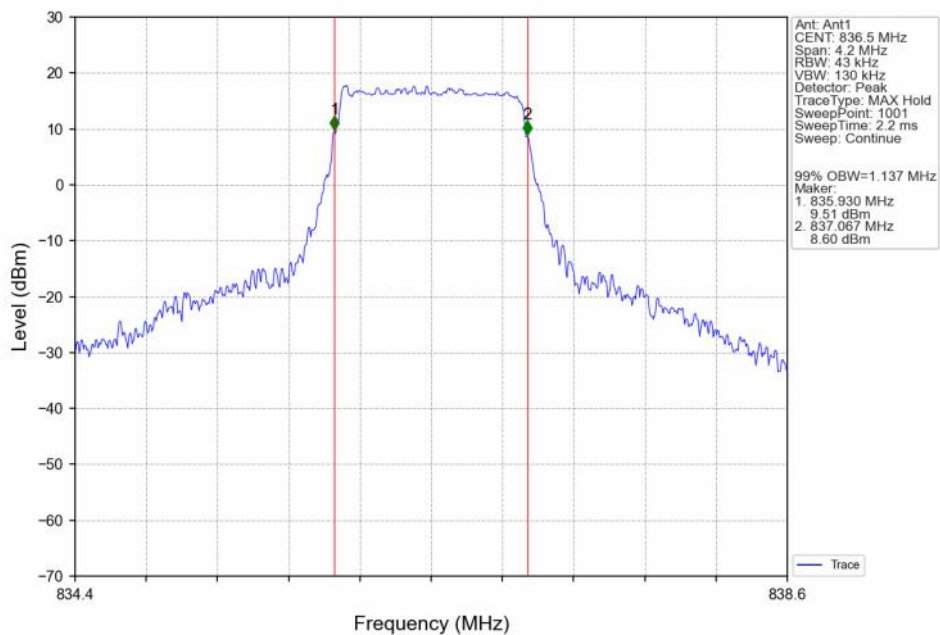
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



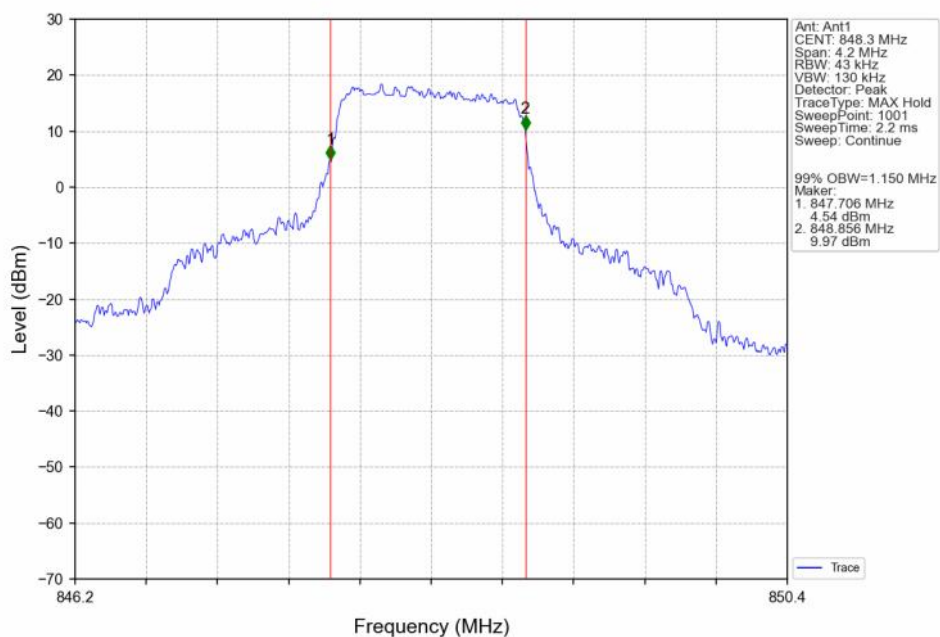
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



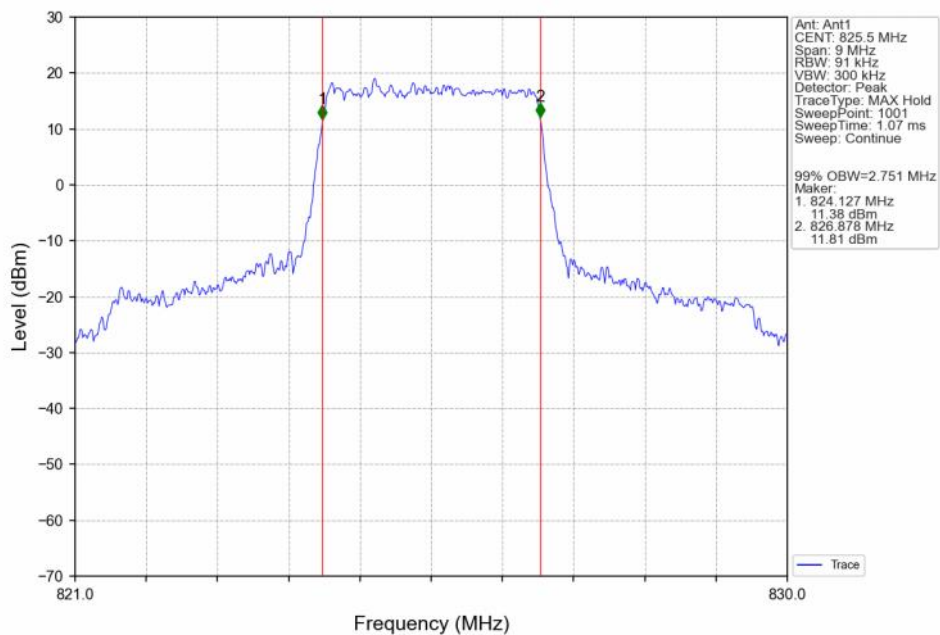
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



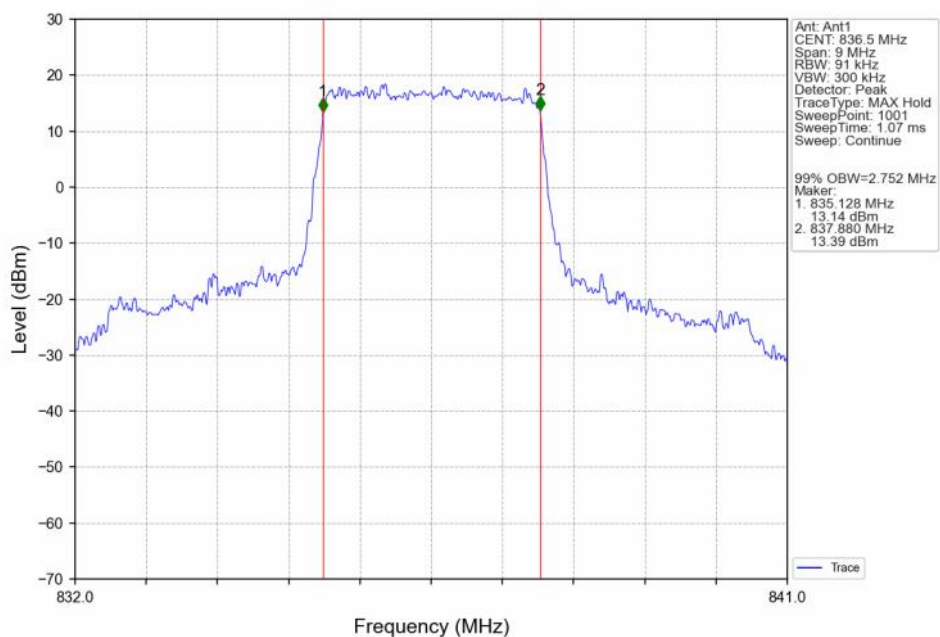
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



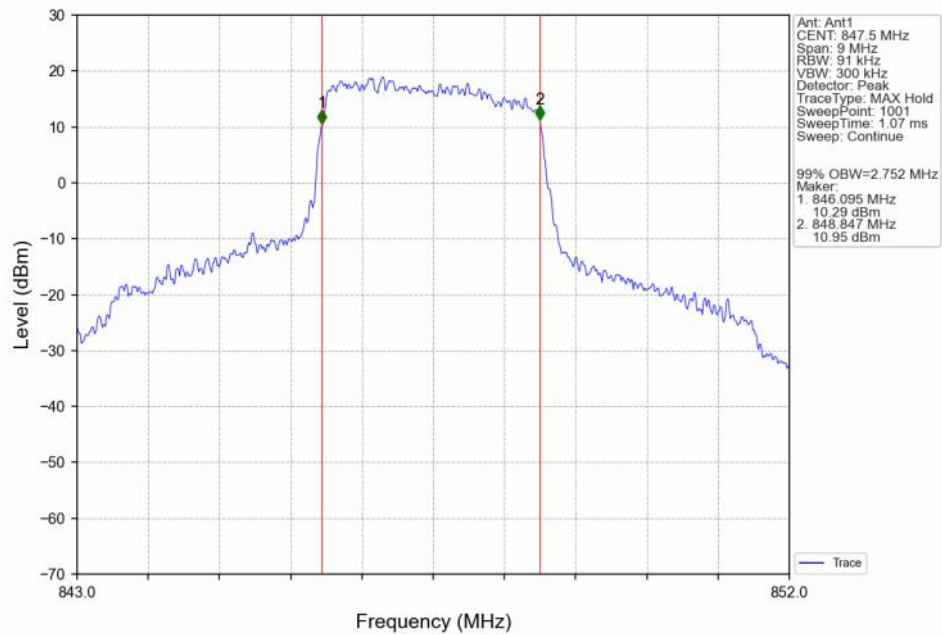
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



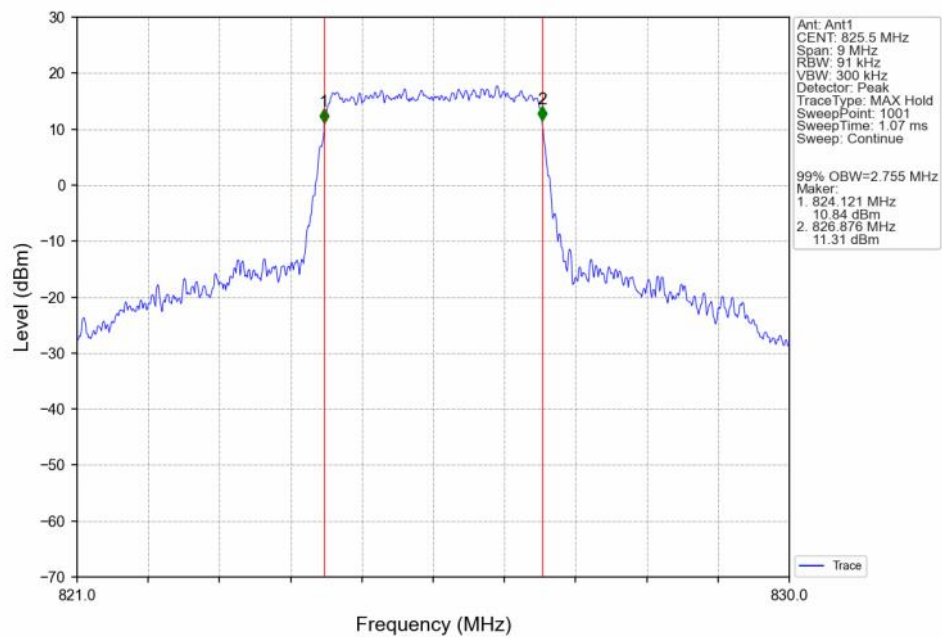
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



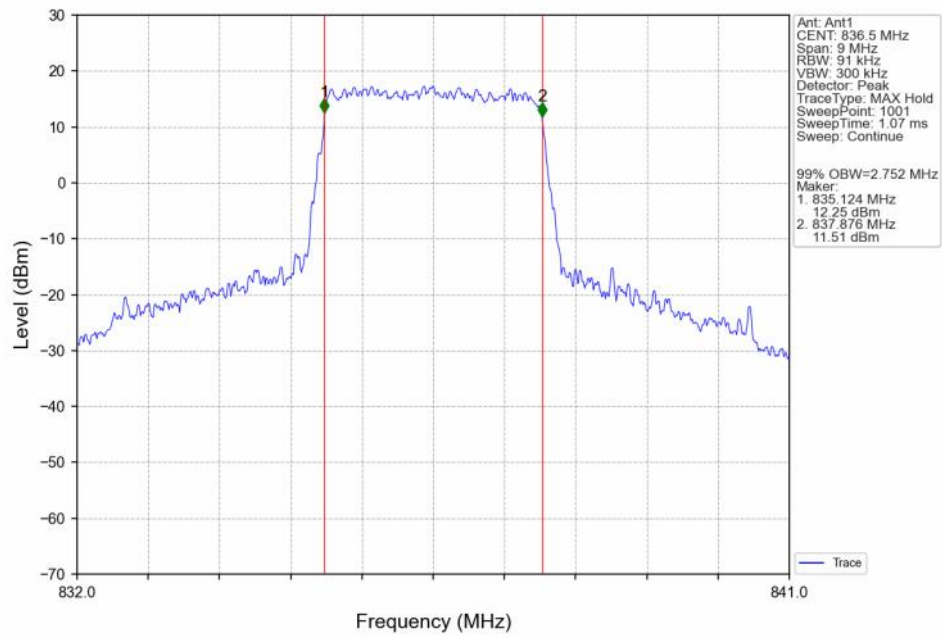
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



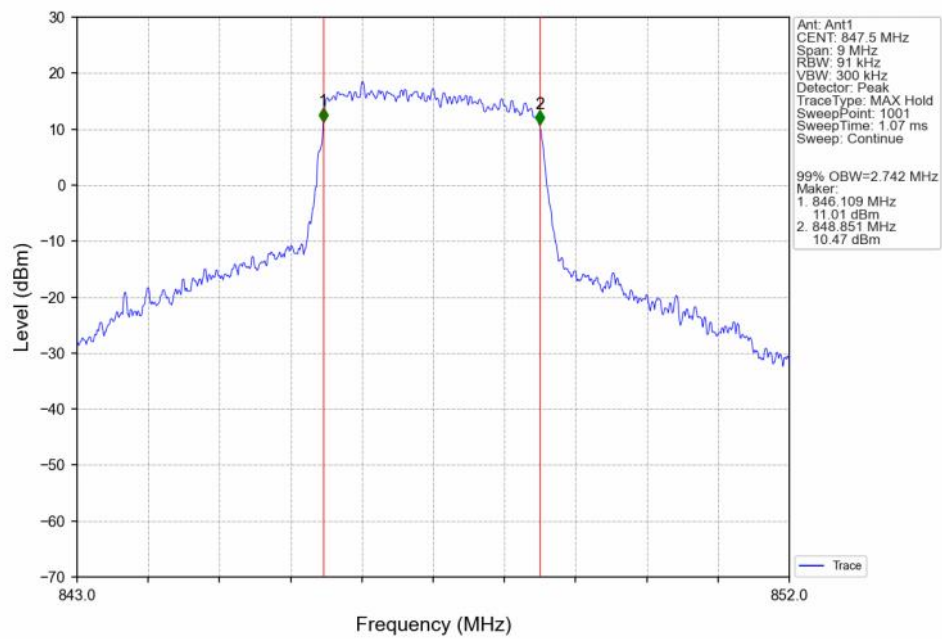
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



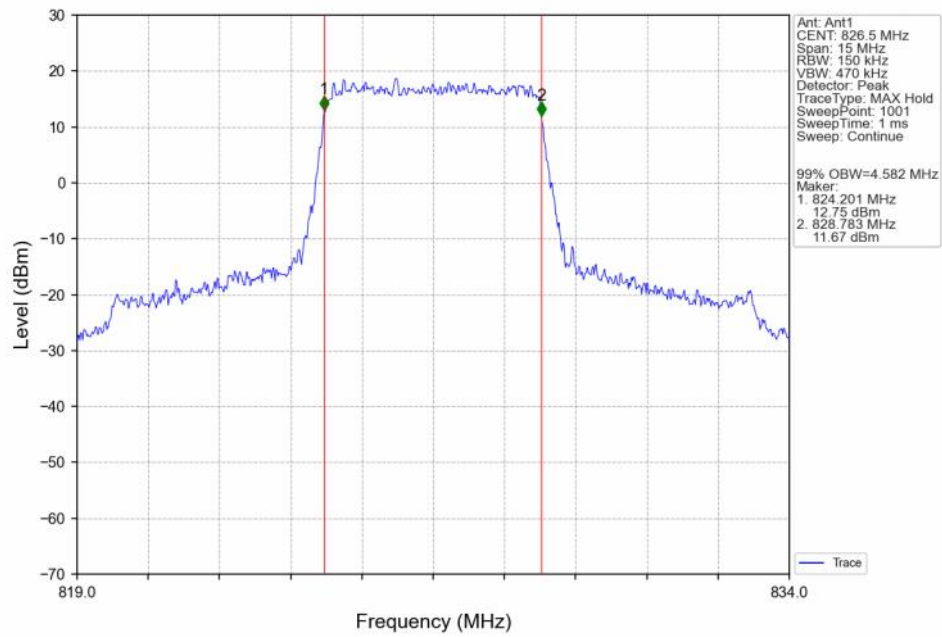
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



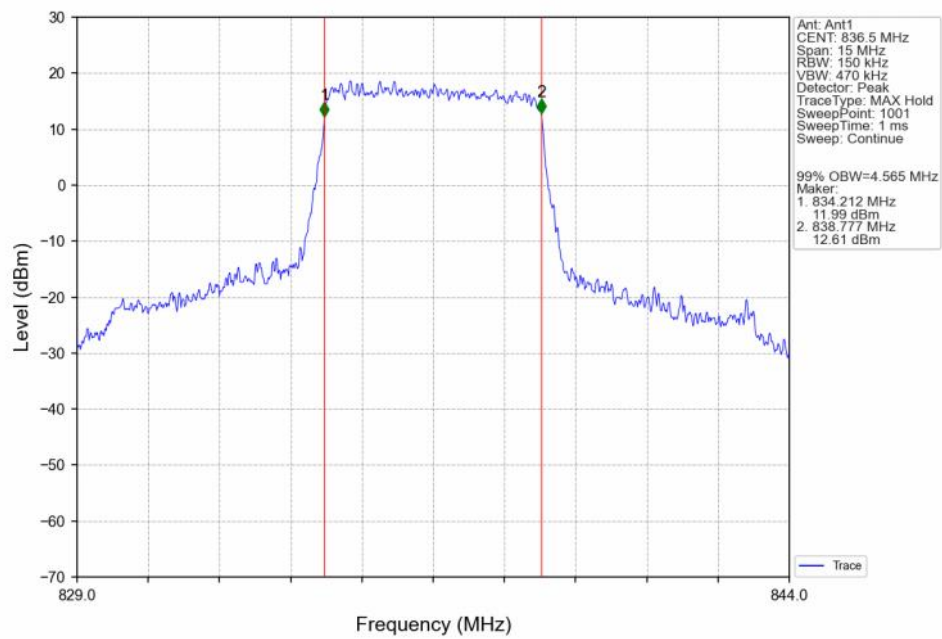
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



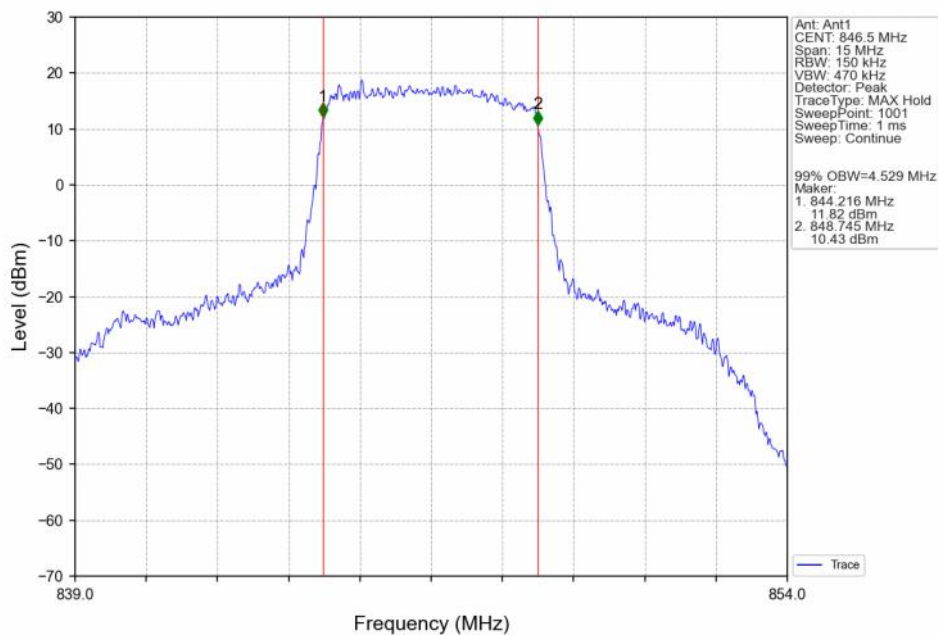
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



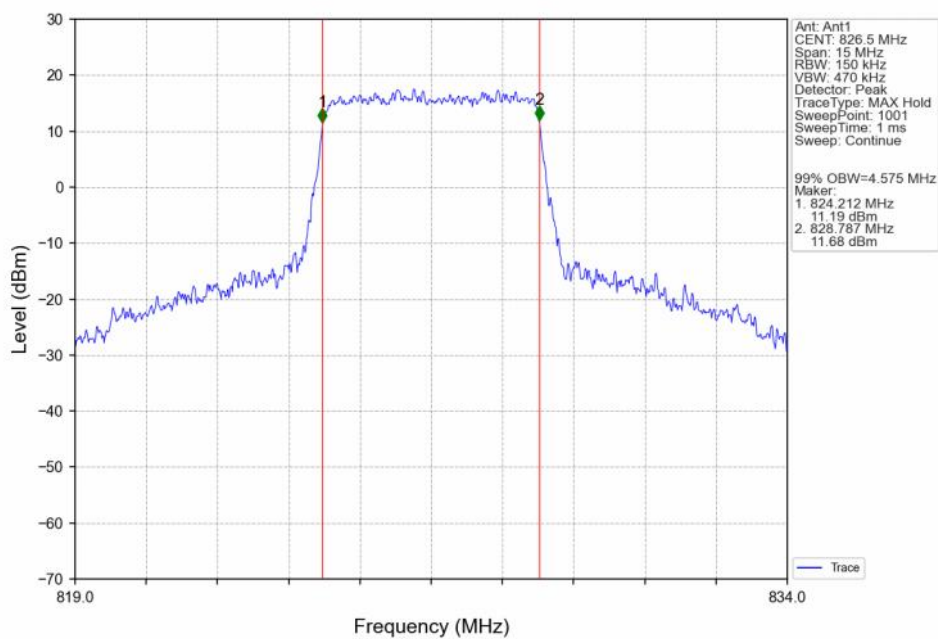
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



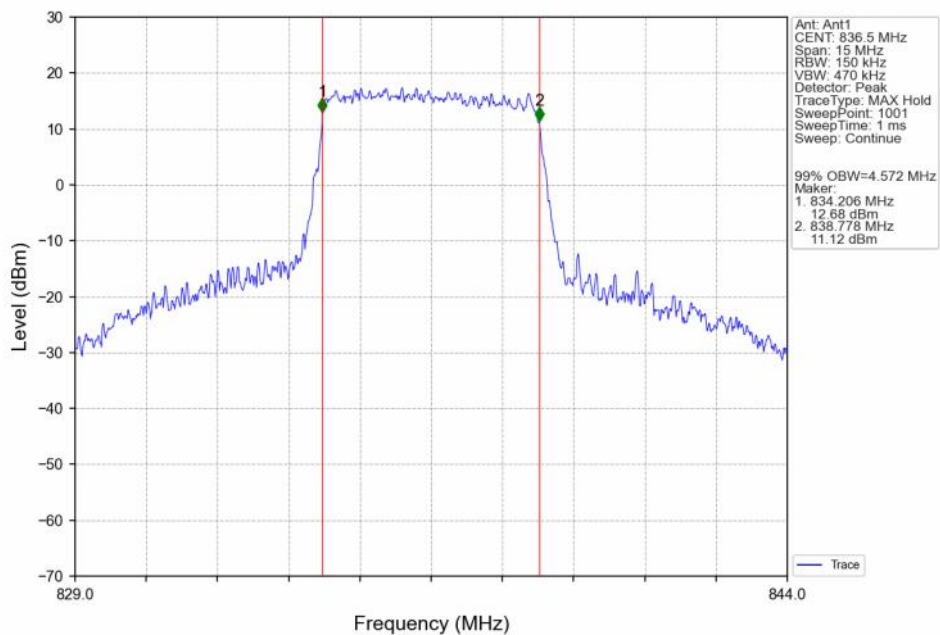
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTNV



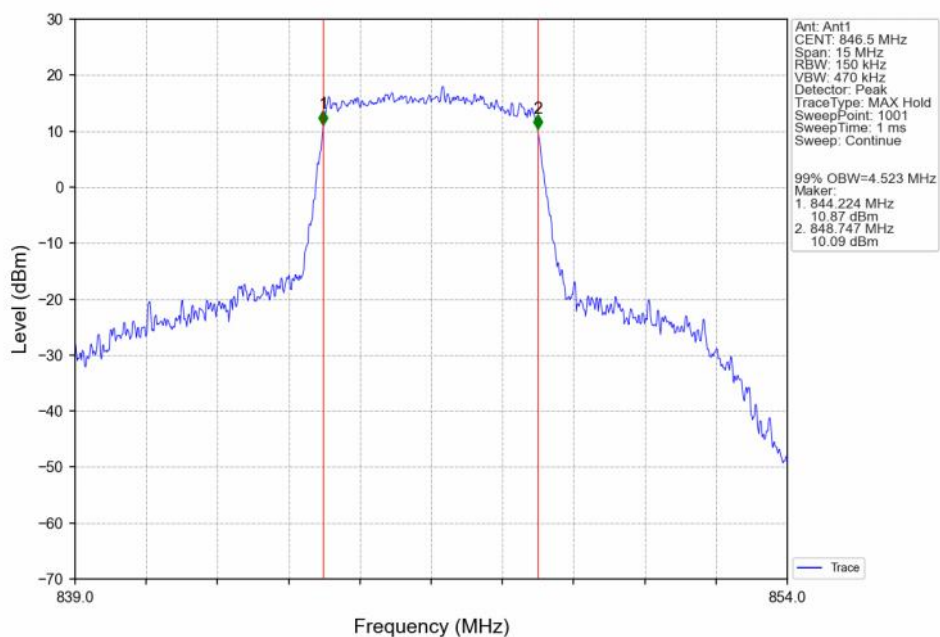
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTNV



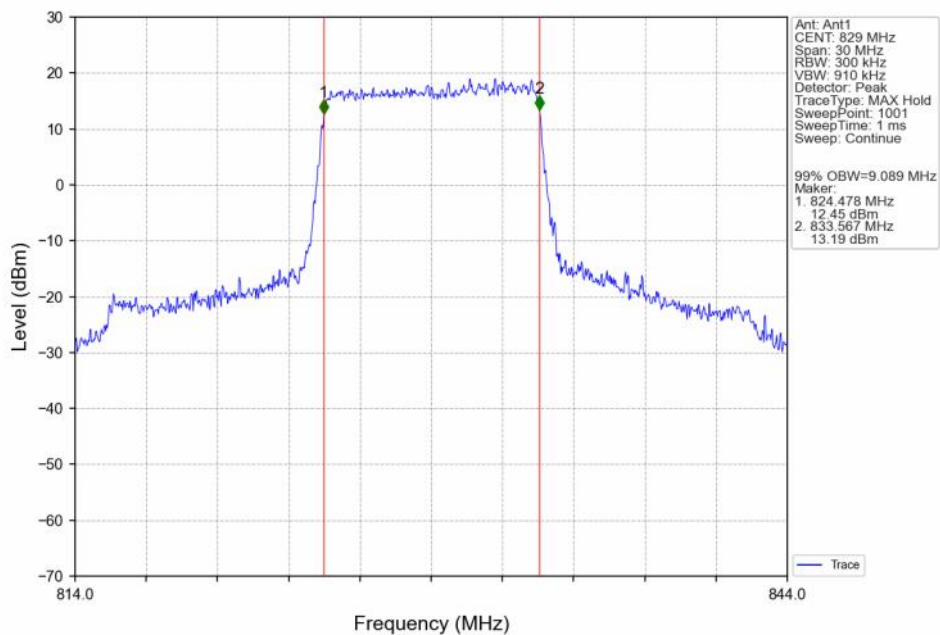
Band5 5MHz 16QAM MCH 836.5MHz RB 25 0 NTNV



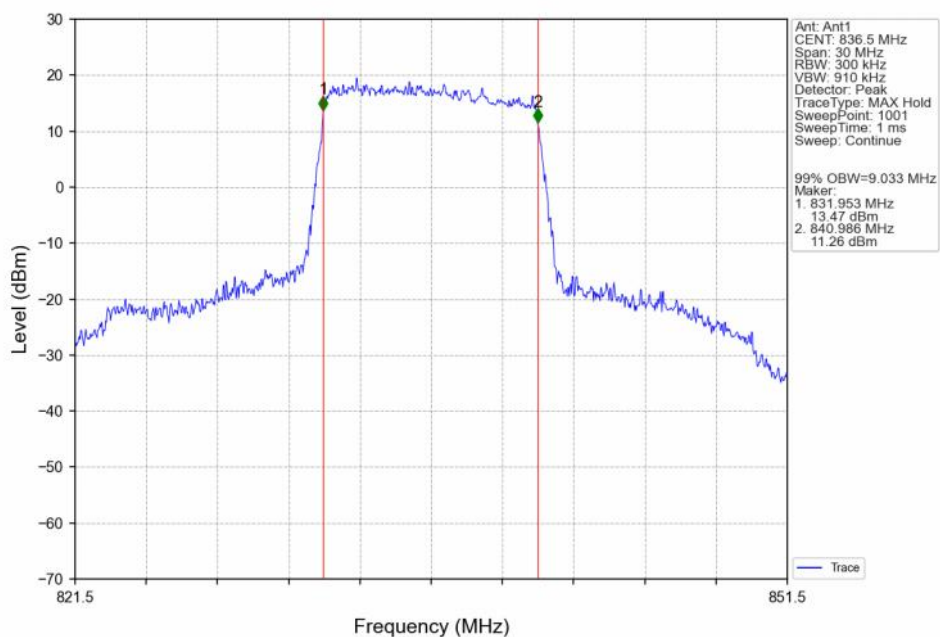
Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV



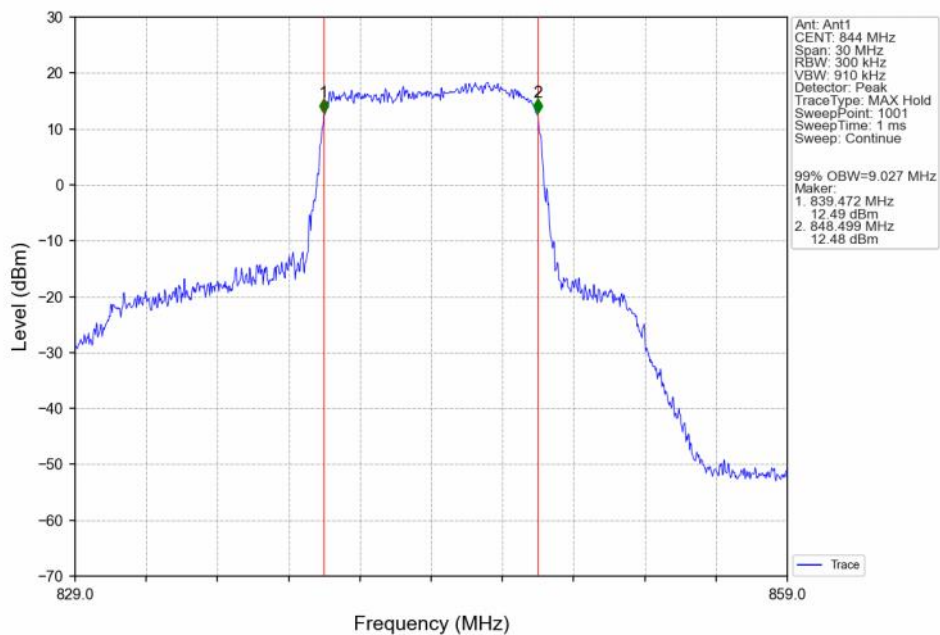
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



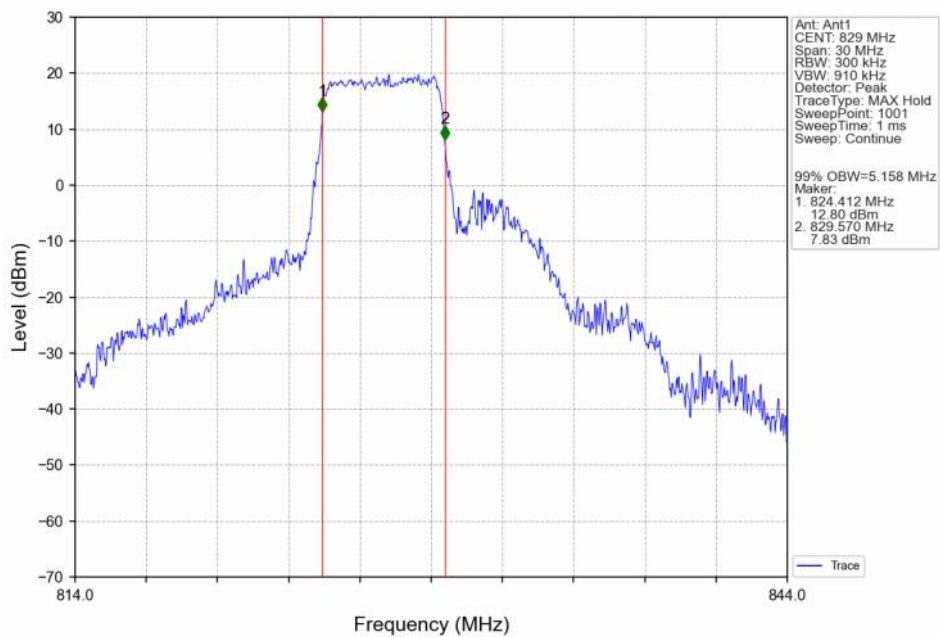
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



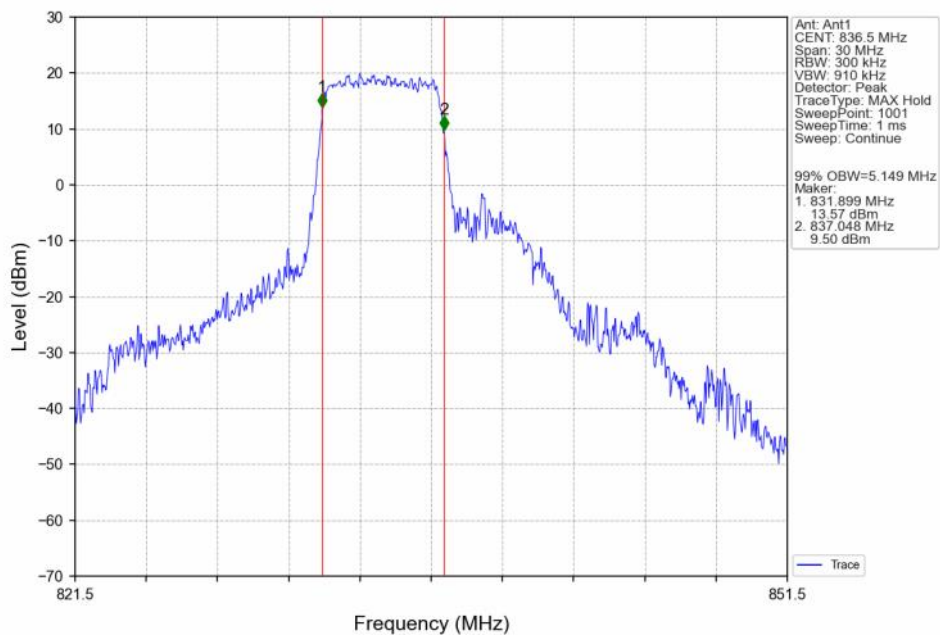
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



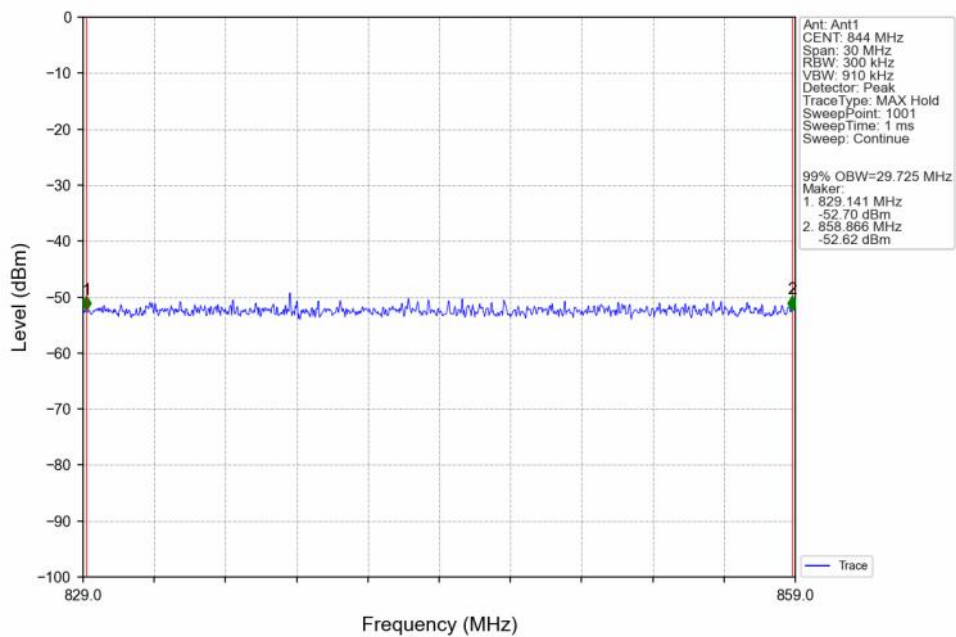
Band5_10MHz_16QAM_LCH_829MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV

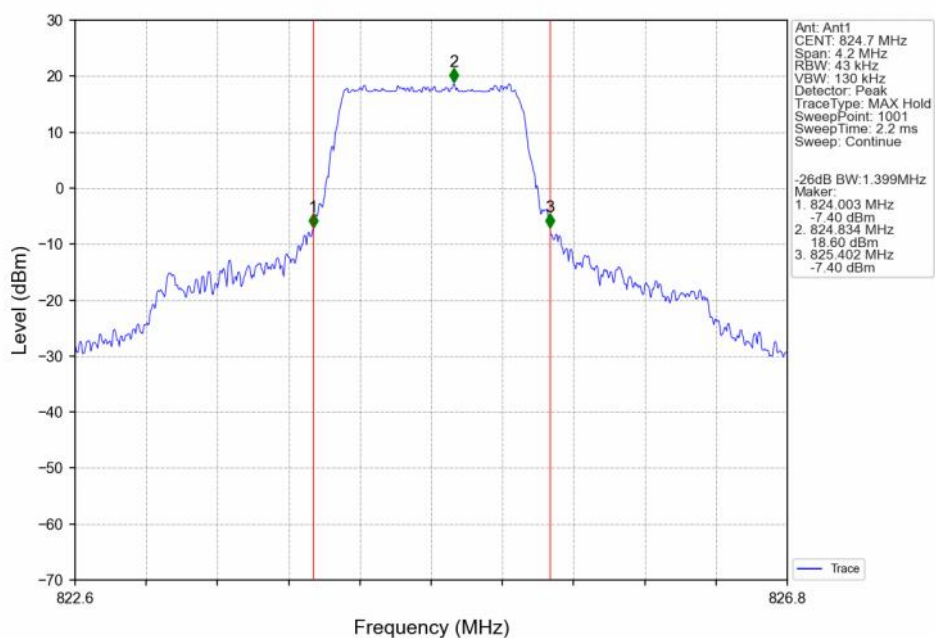


Band5_10MHz_16QAM_HCH_844MHz_RB_27_23_NTNV

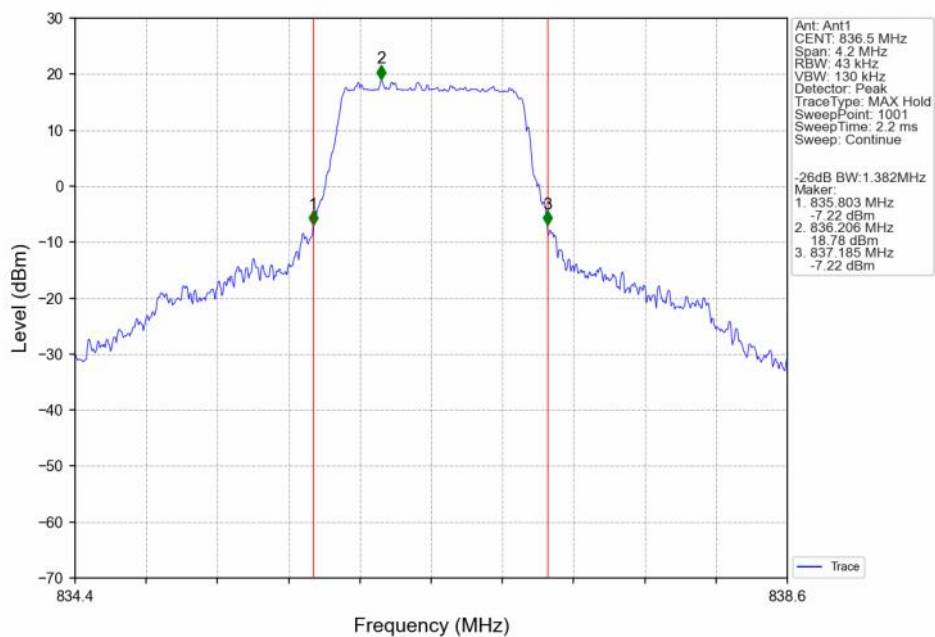


4.2.2 Band5_XDB

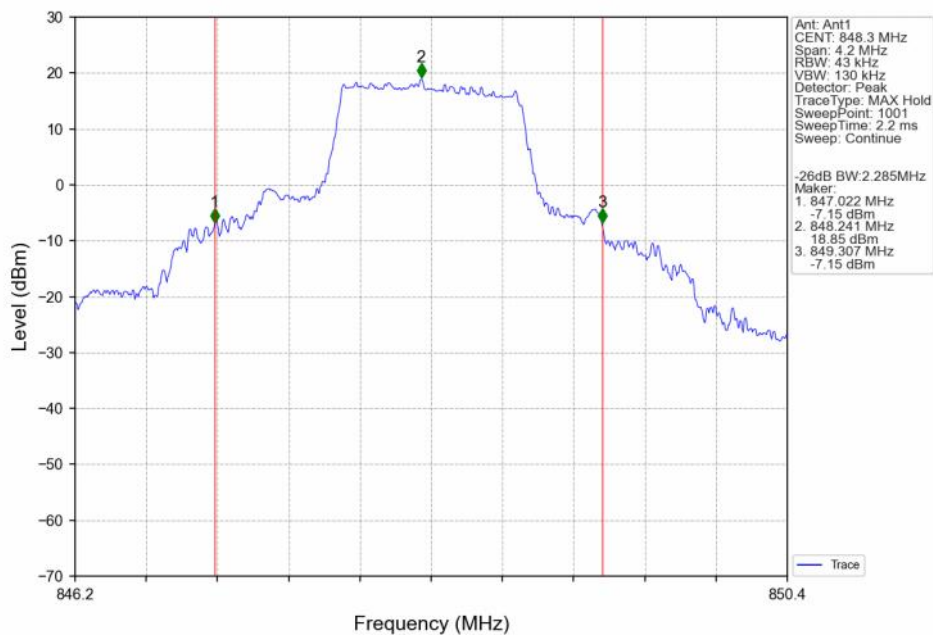
Band5_1.4MHz_QPSK_LCH 824.7MHz_RB_6_0_NTNV



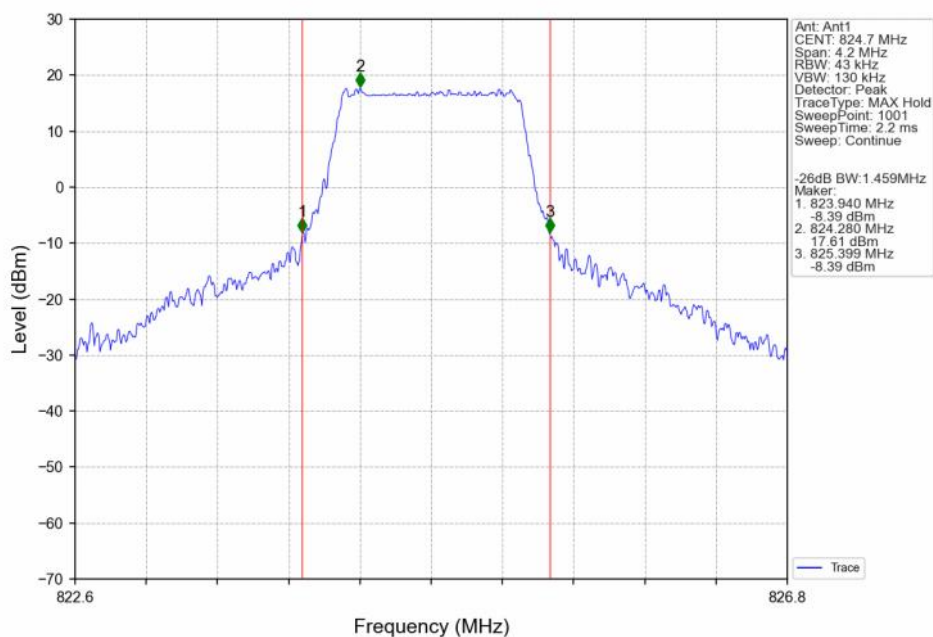
Band5_1.4MHz_QPSK_MCH 836.5MHz_RB_6_0_NTNV



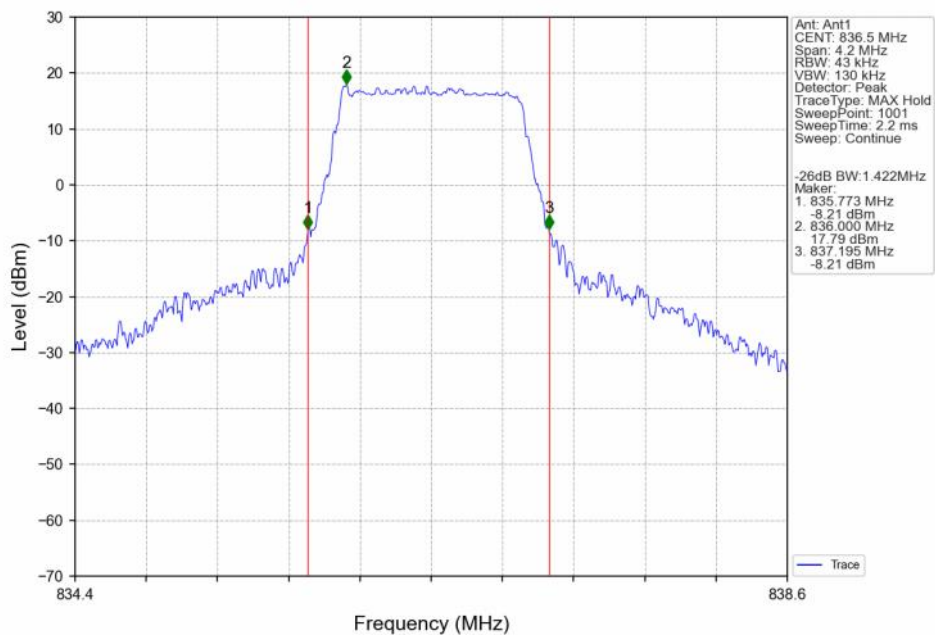
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



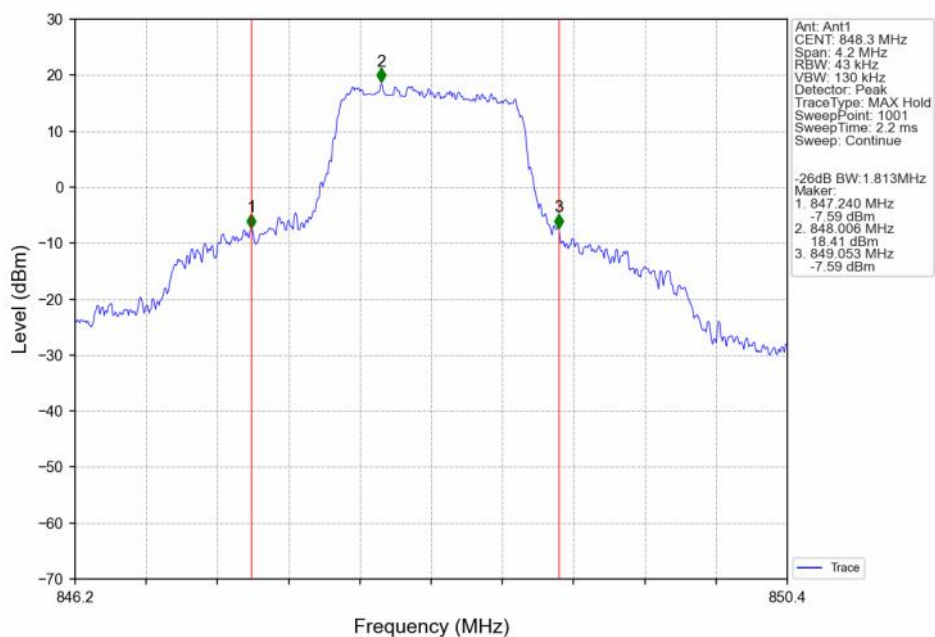
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



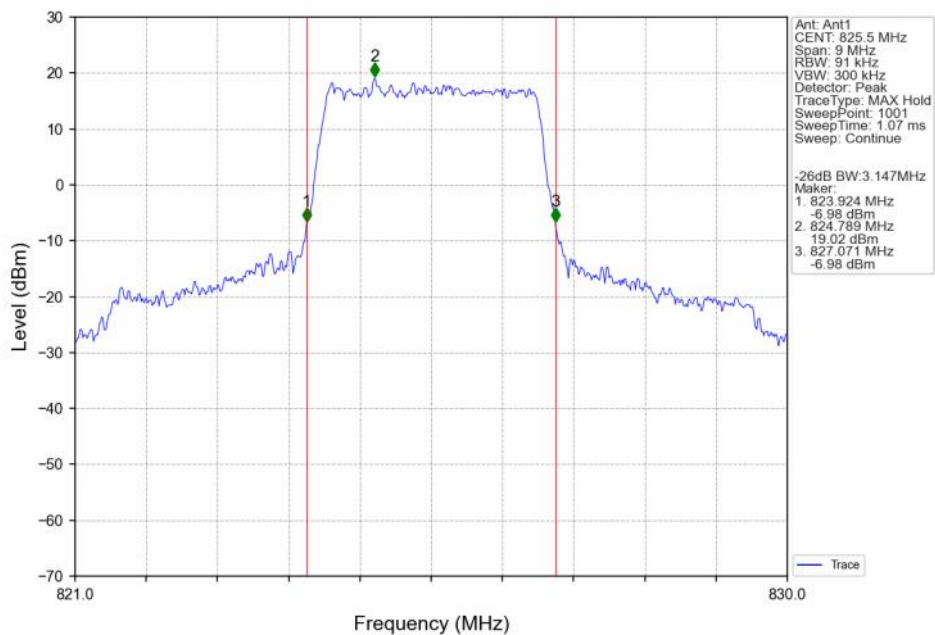
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_6_0_NTNV



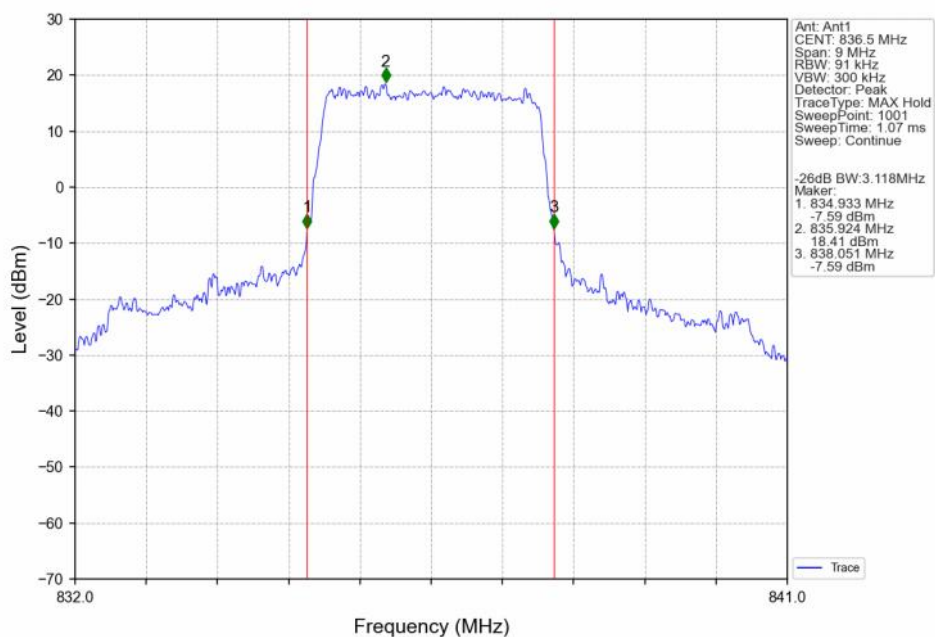
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_6_0_NTNV



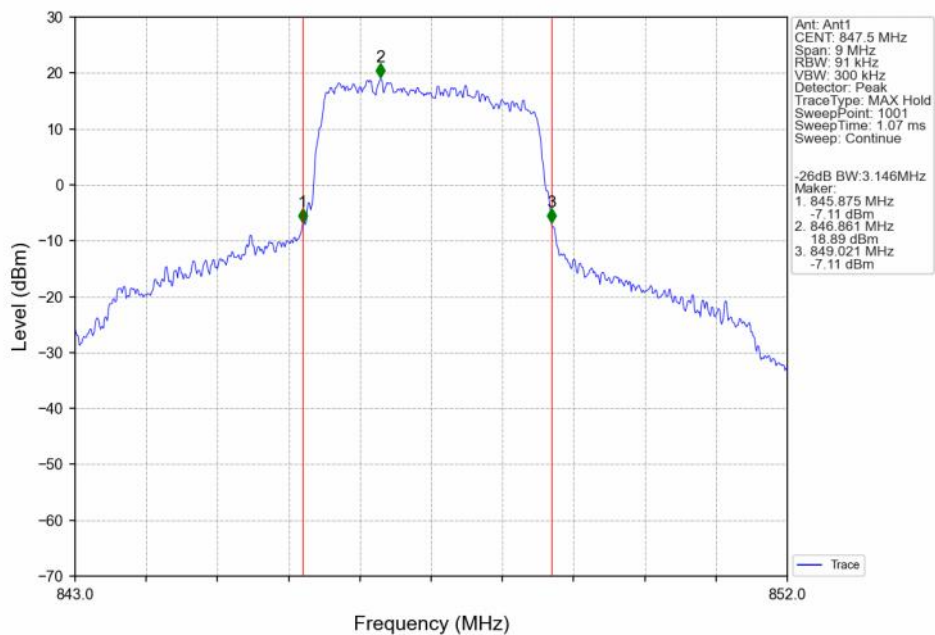
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



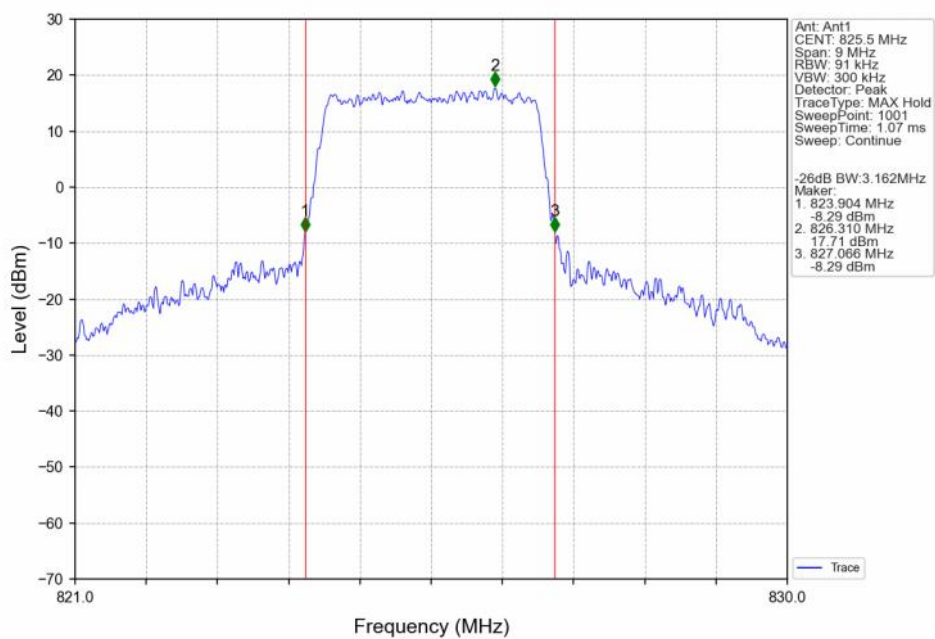
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



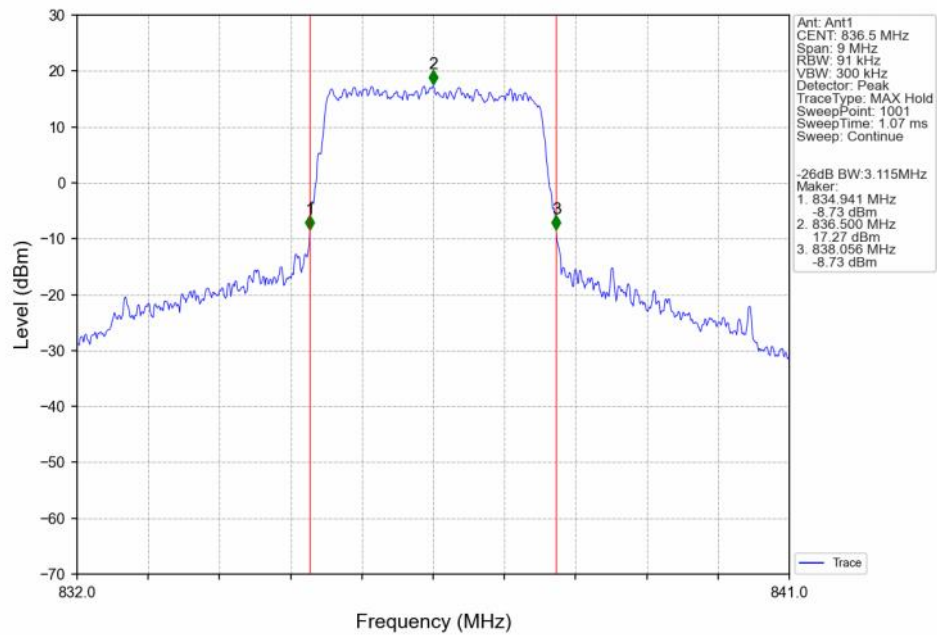
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



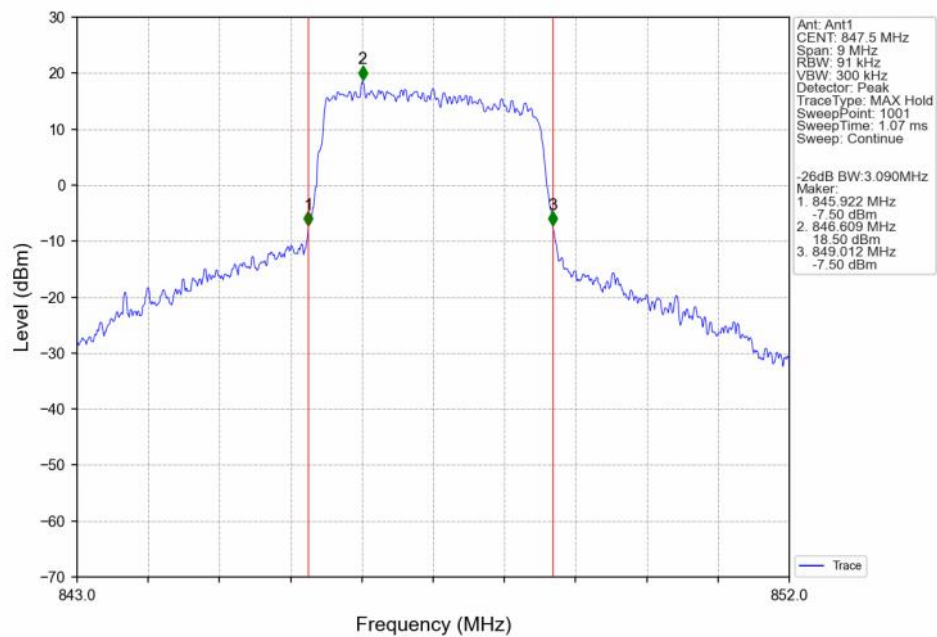
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



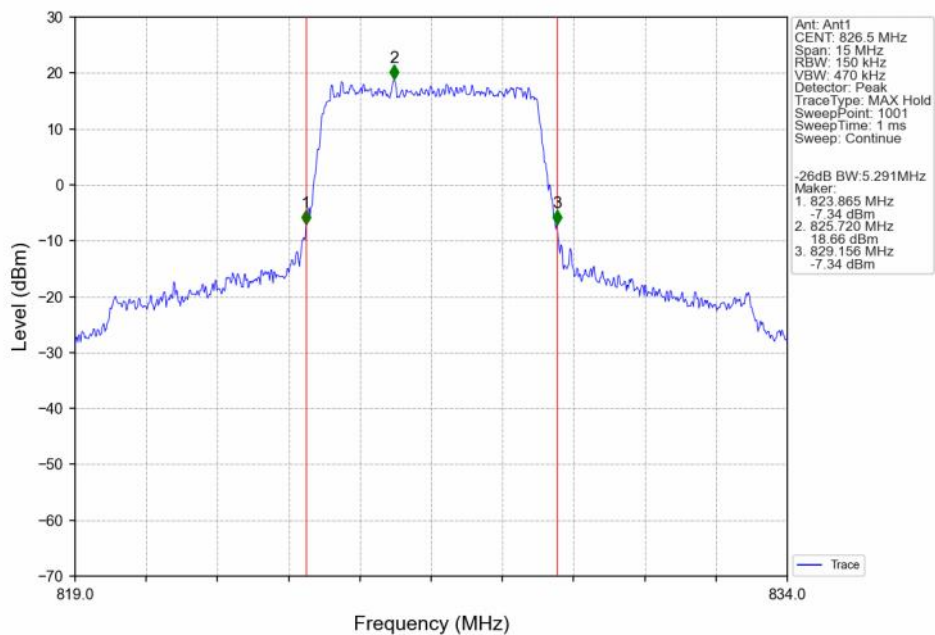
Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTNV



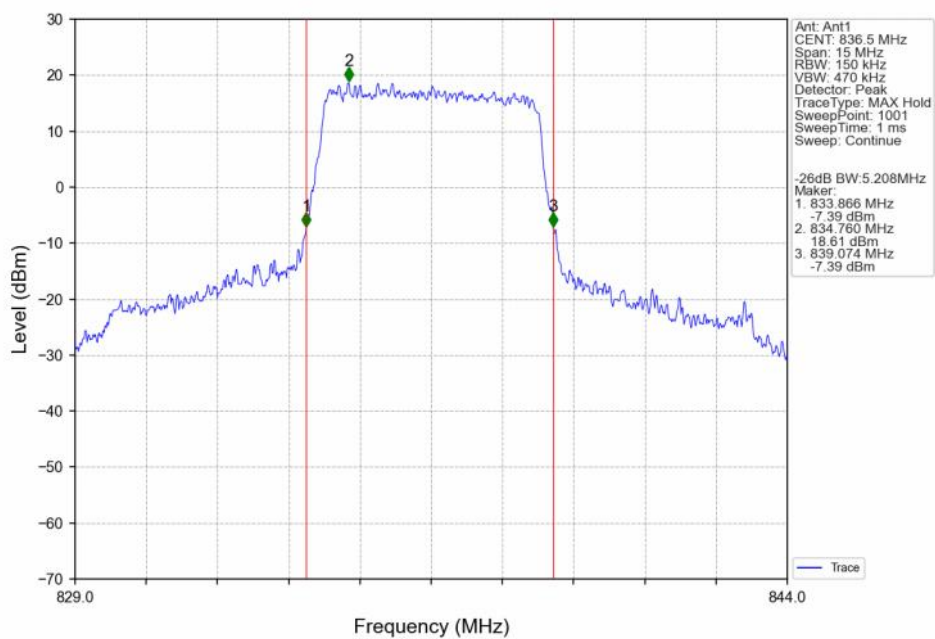
Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTNV



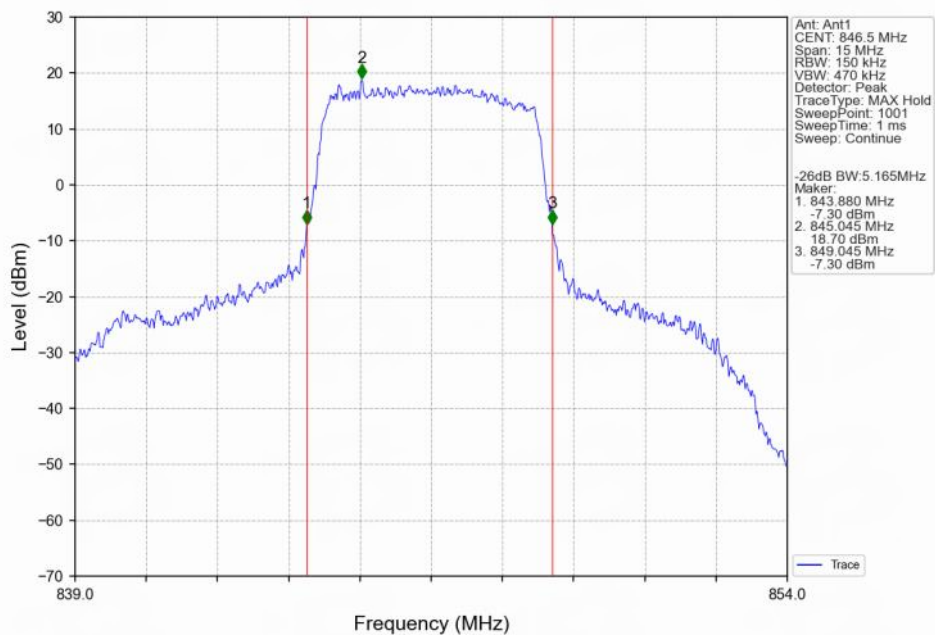
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



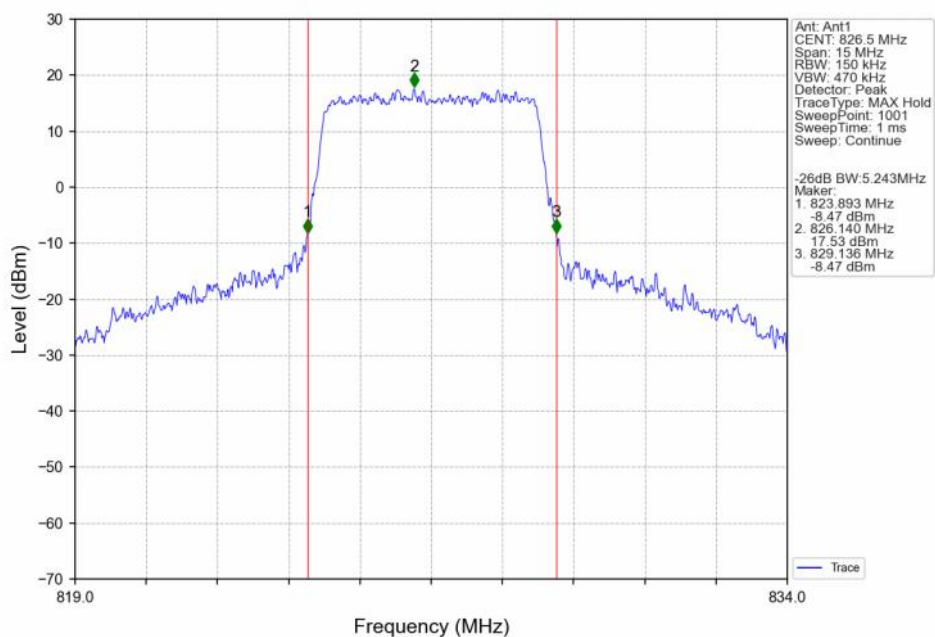
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



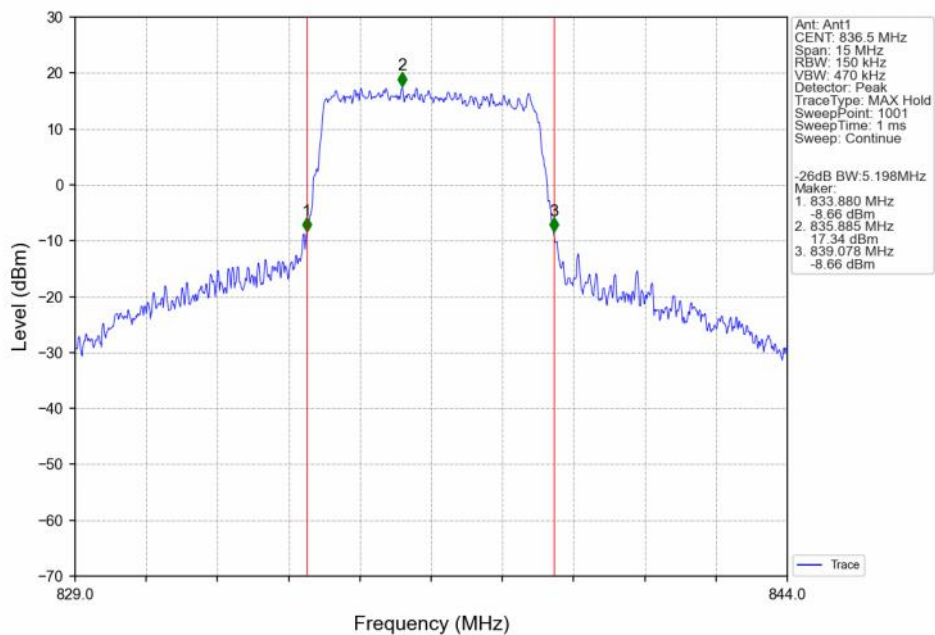
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



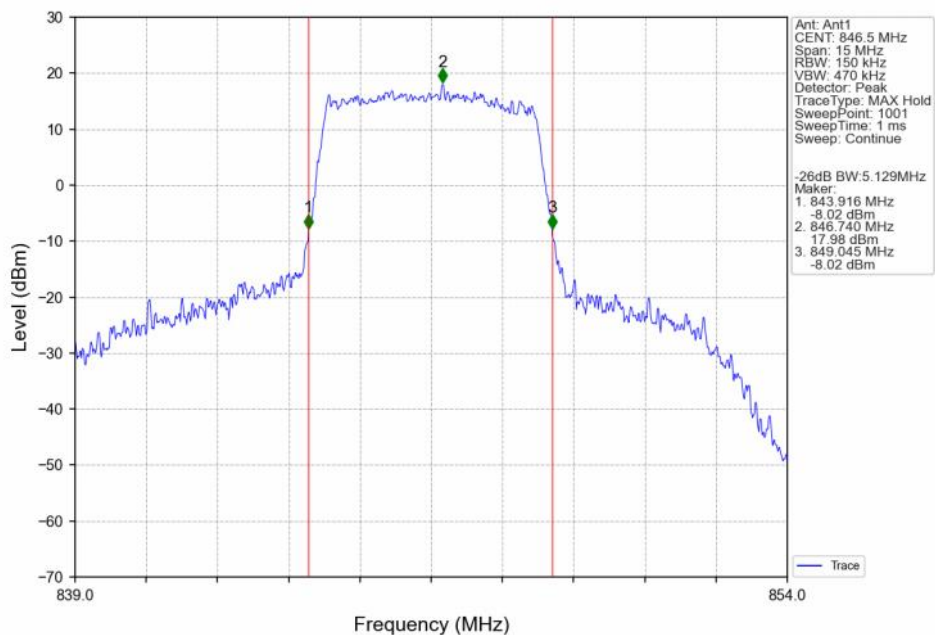
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



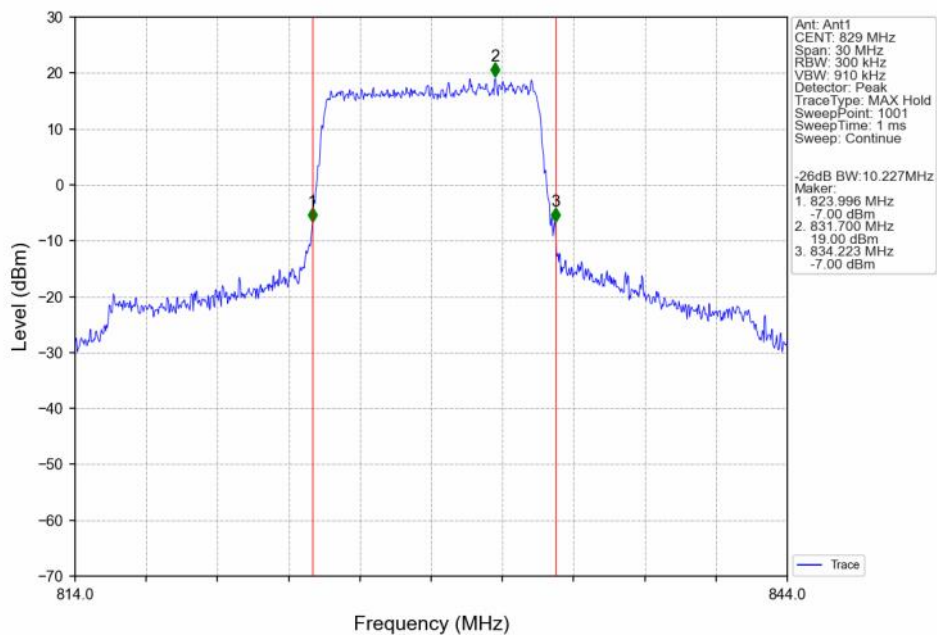
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



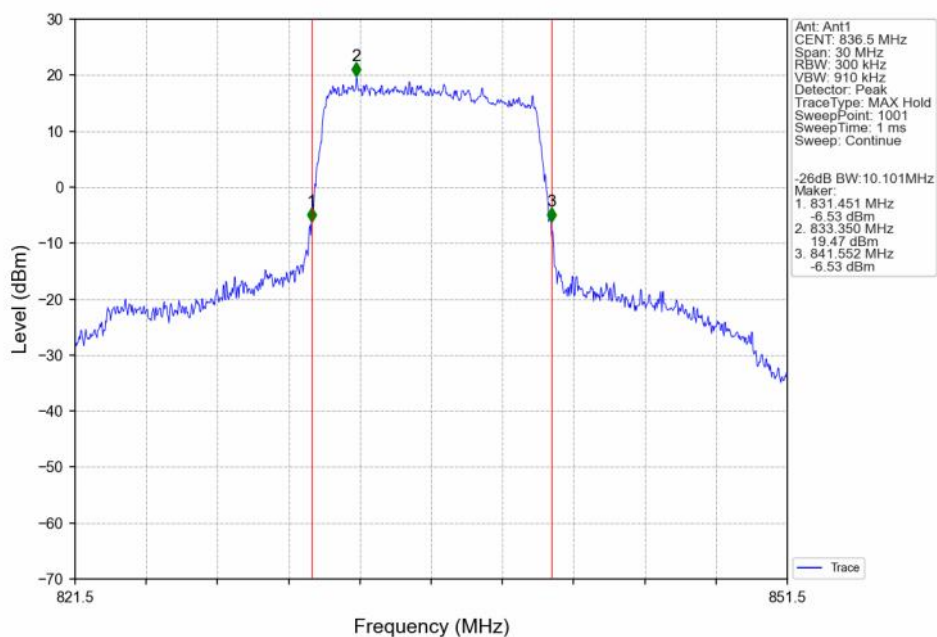
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



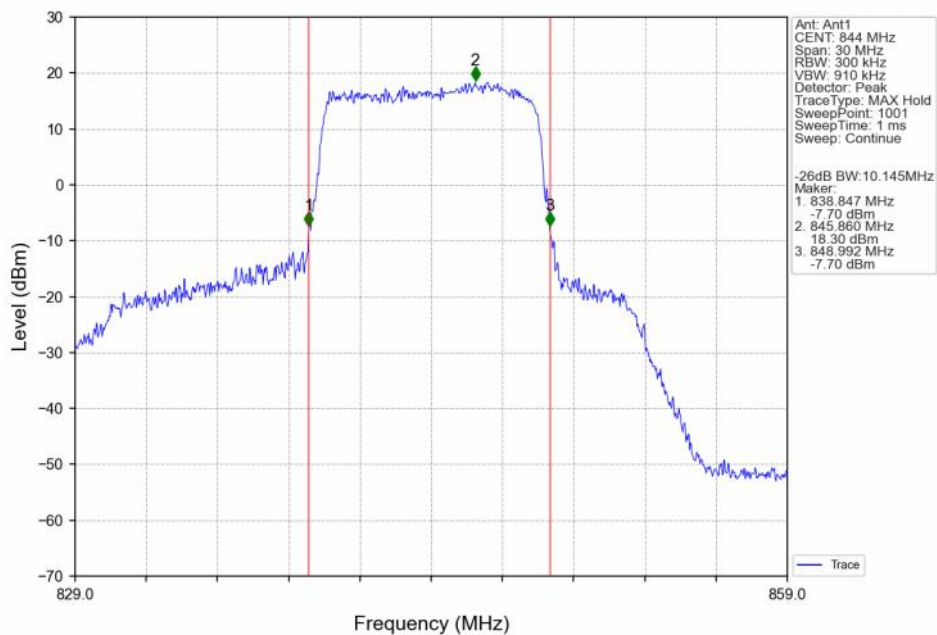
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



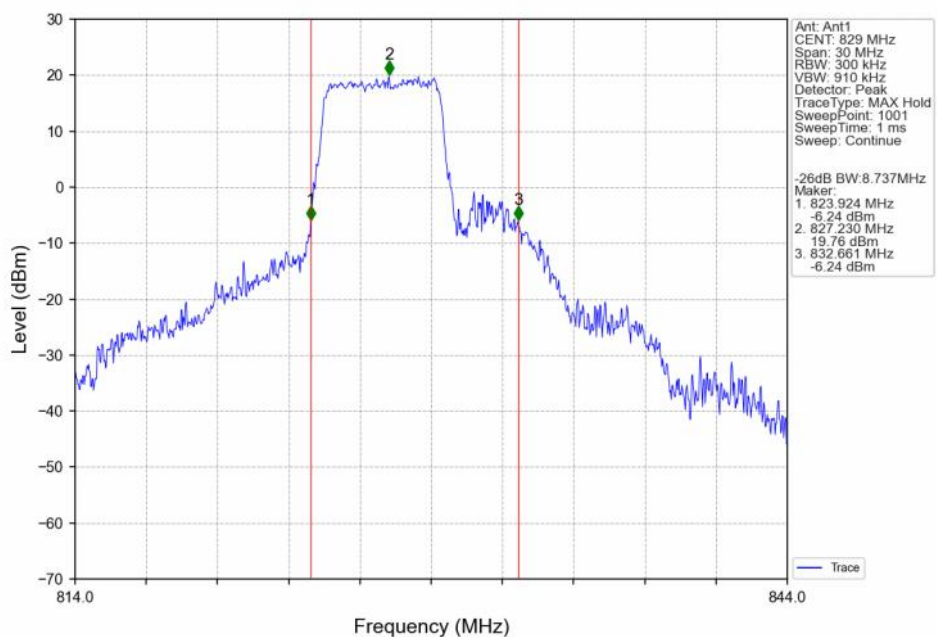
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



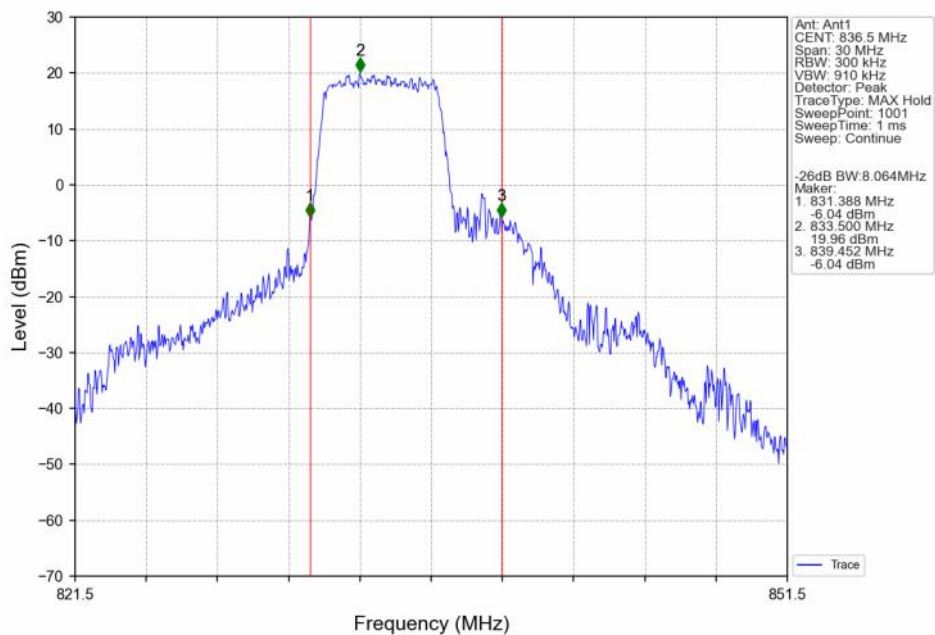
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



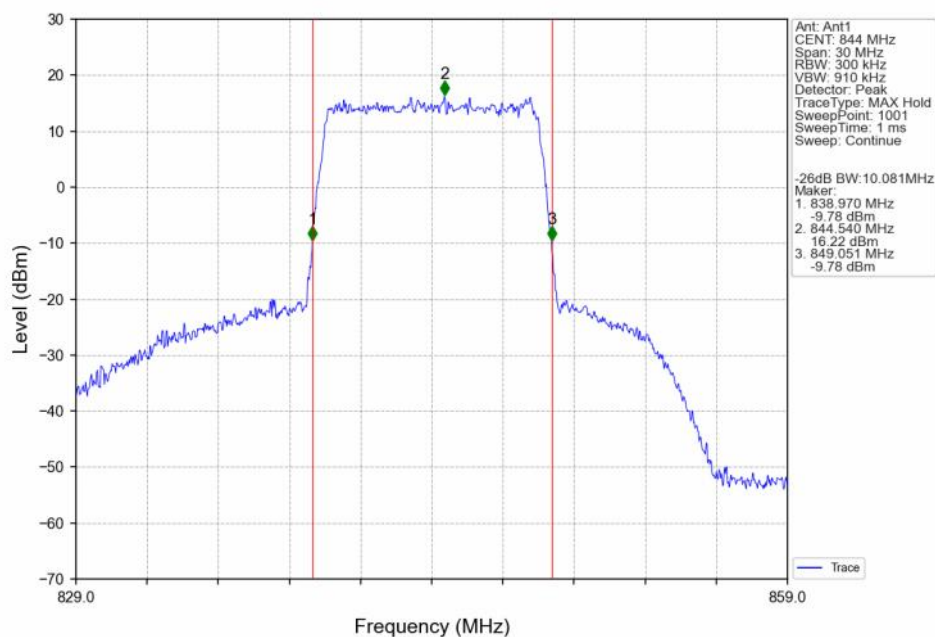
Band5_10MHz_16QAM_LCH_829MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_27_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_27_23_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	824.7	6	0	4.07	<=13	Pass
	836.5	6	0	4.33	<=13	Pass
	848.3	6	0	2.40	<=13	Pass
16QAM	824.7	6	0	5.06	<=13	Pass
	836.5	6	0	5.33	<=13	Pass
	848.3	6	0	3.54	<=13	Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	825.5	15	0	4.37	<=13	Pass
	836.5	15	0	6.23	<=13	Pass
	847.5	15	0	3.82	<=13	Pass
16QAM	825.5	15	0	5.29	<=13	Pass
	836.5	15	0	5.47	<=13	Pass
	847.5	15	0	4.85	<=13	Pass

5.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	826.5	25	0	5.55	<=13	Pass
	836.5	25	0	5.42	<=13	Pass
	846.5	25	0	5.56	<=13	Pass
16QAM	826.5	25	0	6.27	<=13	Pass
	836.5	25	0	6.11	<=13	Pass
	846.5	25	0	6.34	<=13	Pass

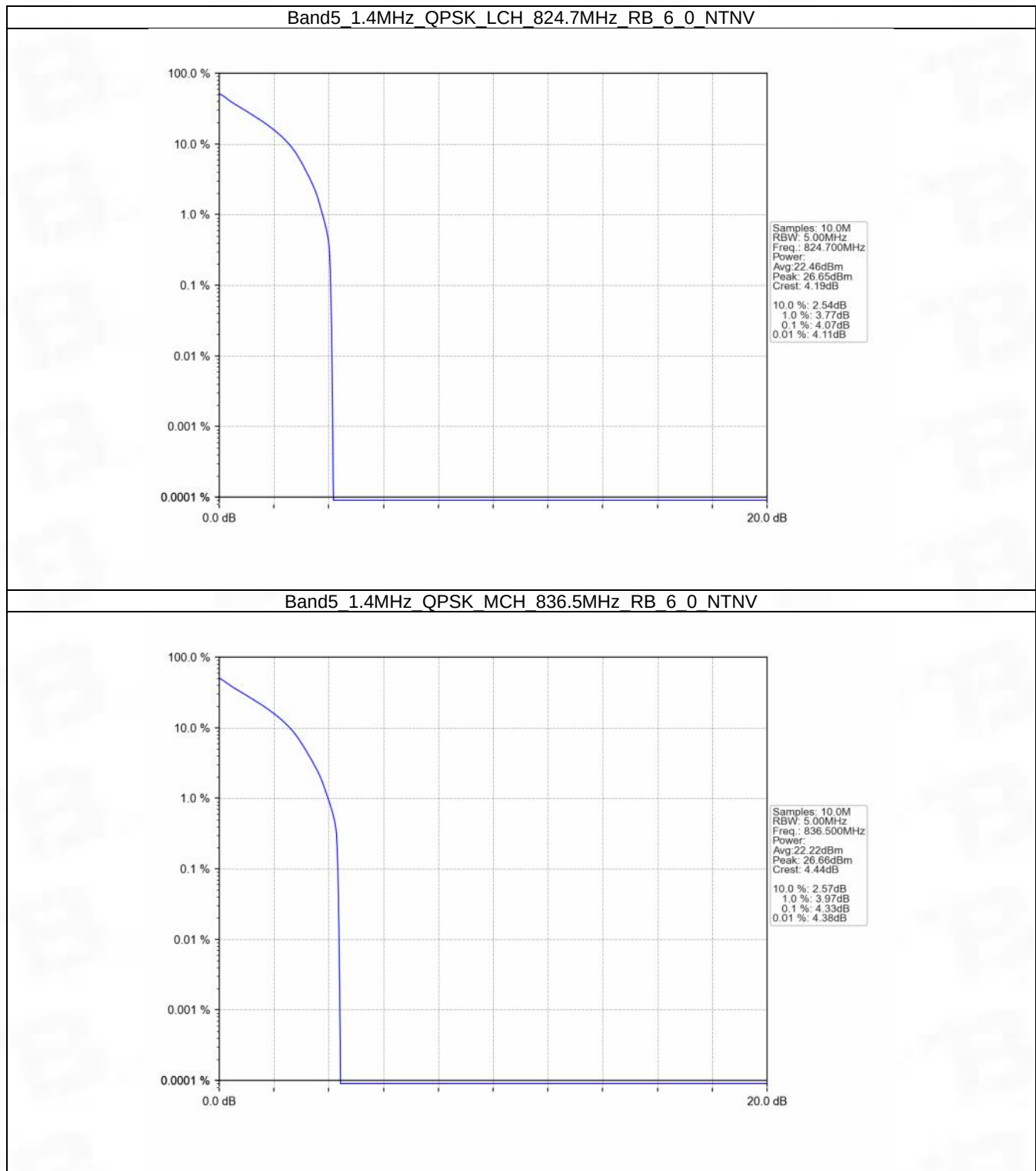
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.48	<=13	Pass
	836.5	50	0	5.39	<=13	Pass
	844	50	0	5.57	<=13	Pass

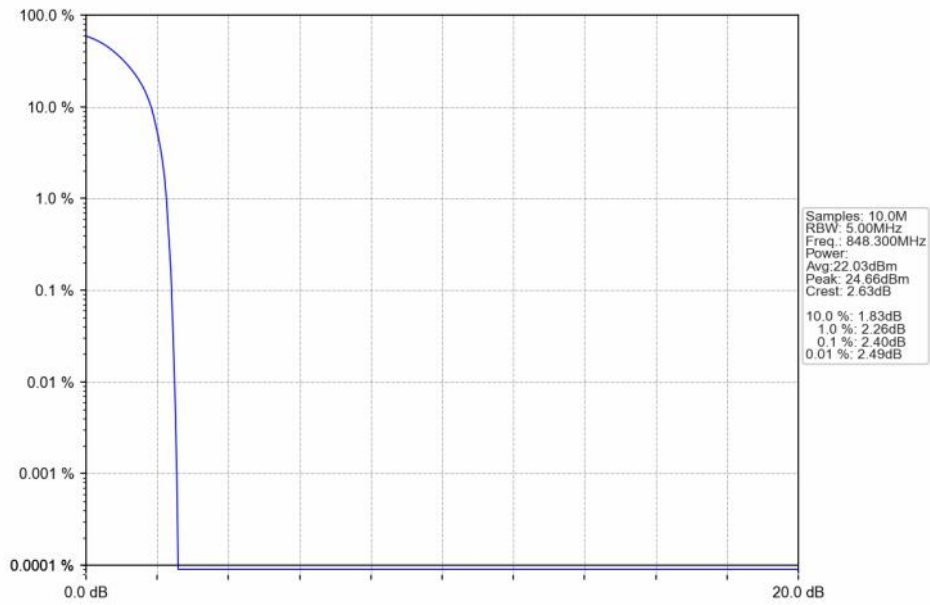
16QAM	829	50	0	6.27	≤ 13	Pass
	836.5	50	0	6.19	≤ 13	Pass
	844	50	0	6.28	≤ 13	Pass

5.2 Test Graph

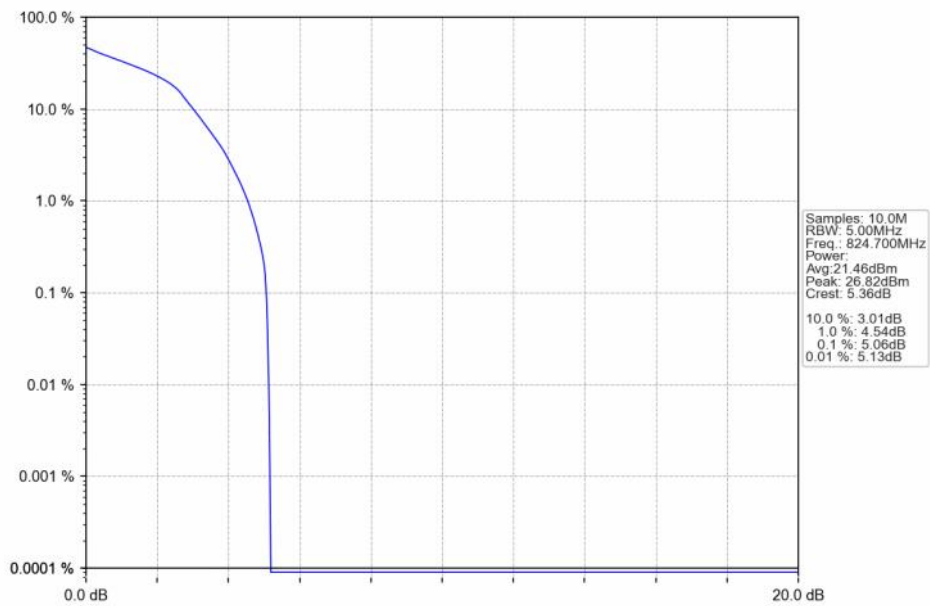
5.2.1 B5_1.4MHz



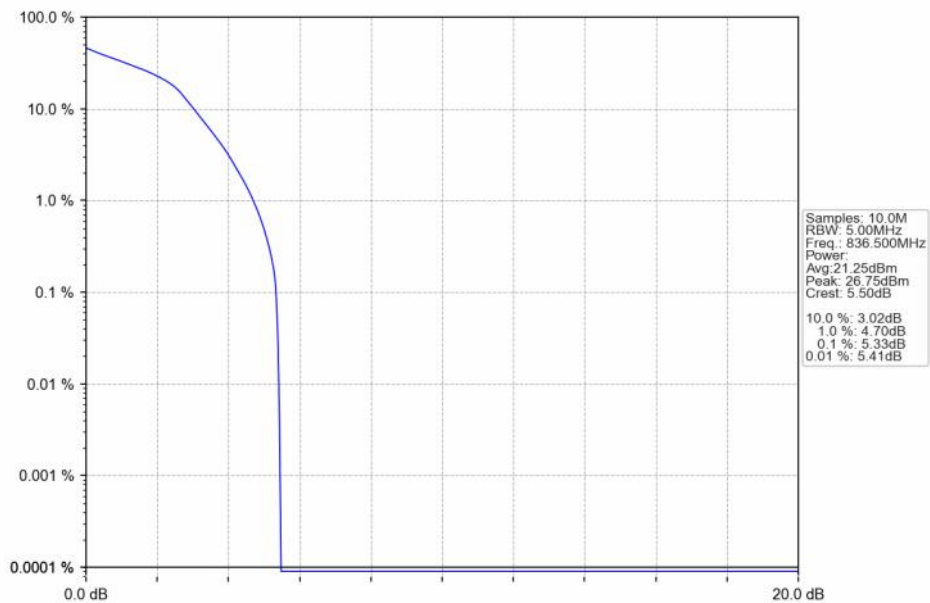
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



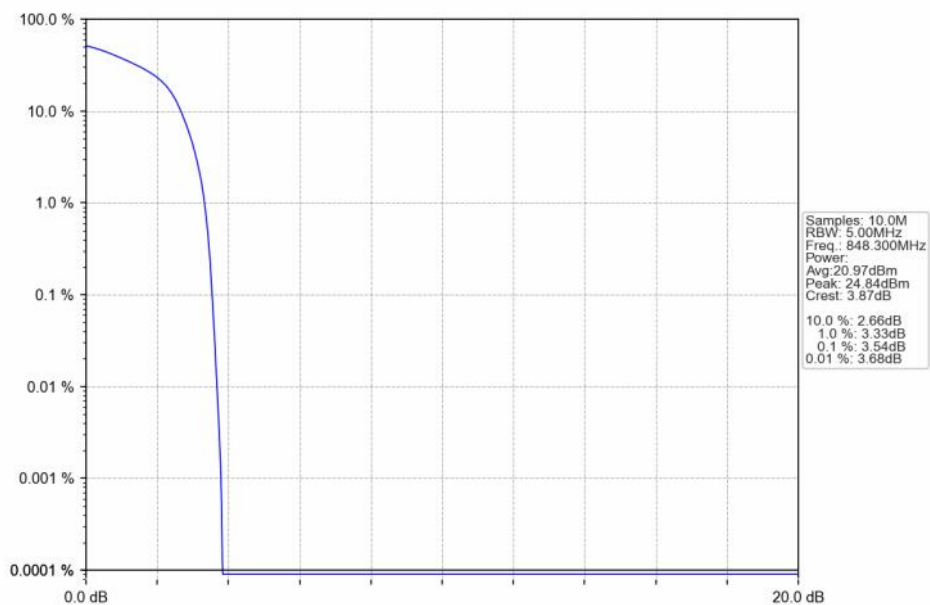
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTN



Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV

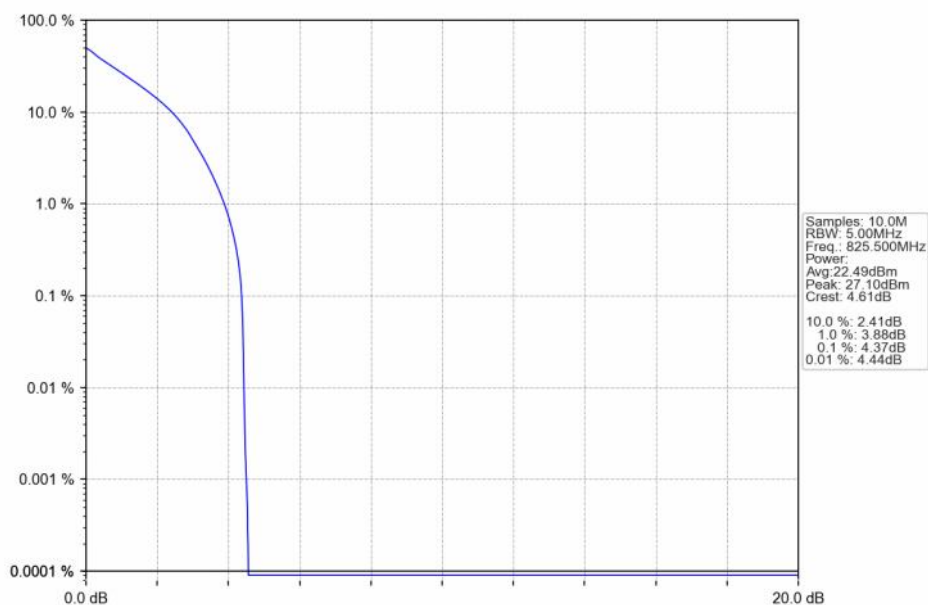


Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV

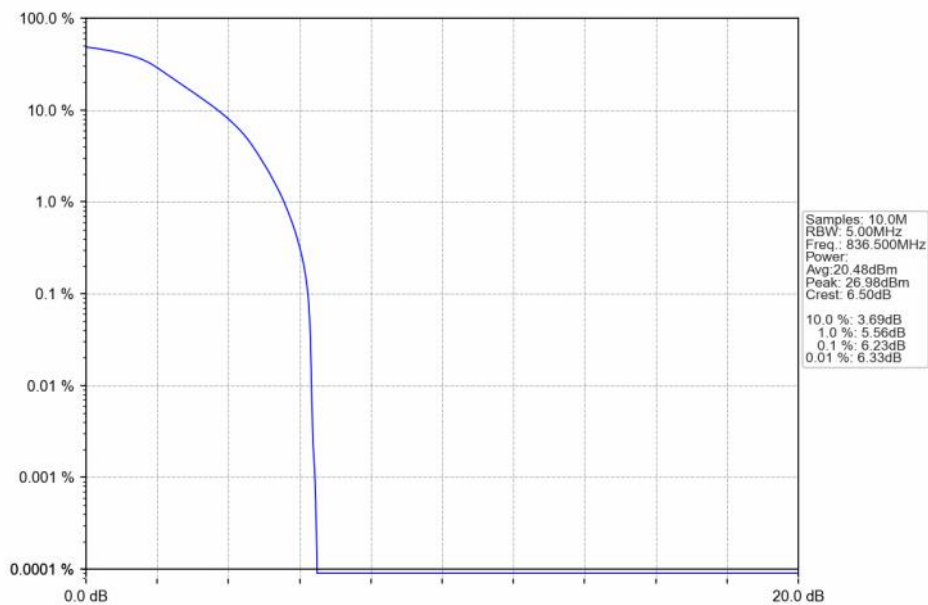


5.2.2 B5_3MHz

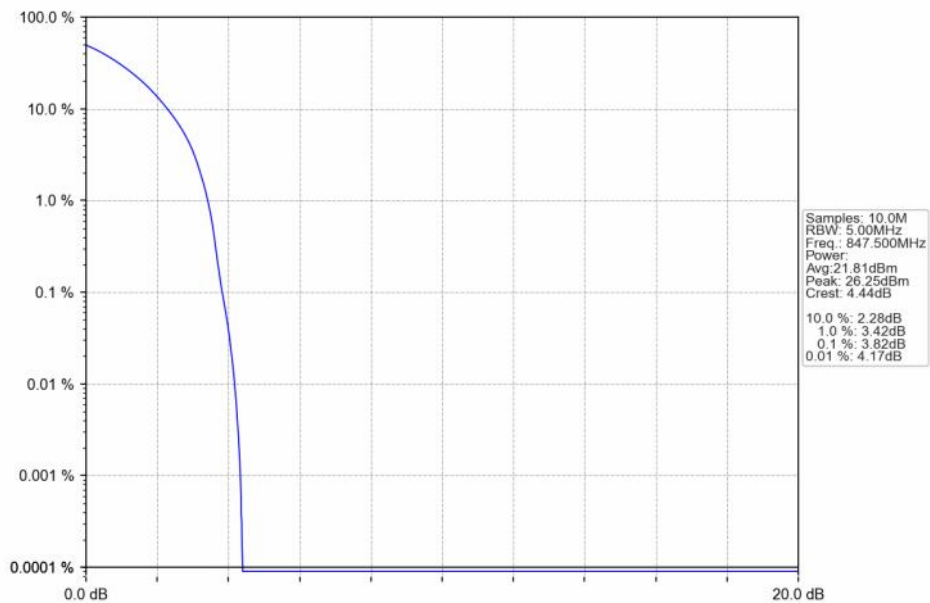
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



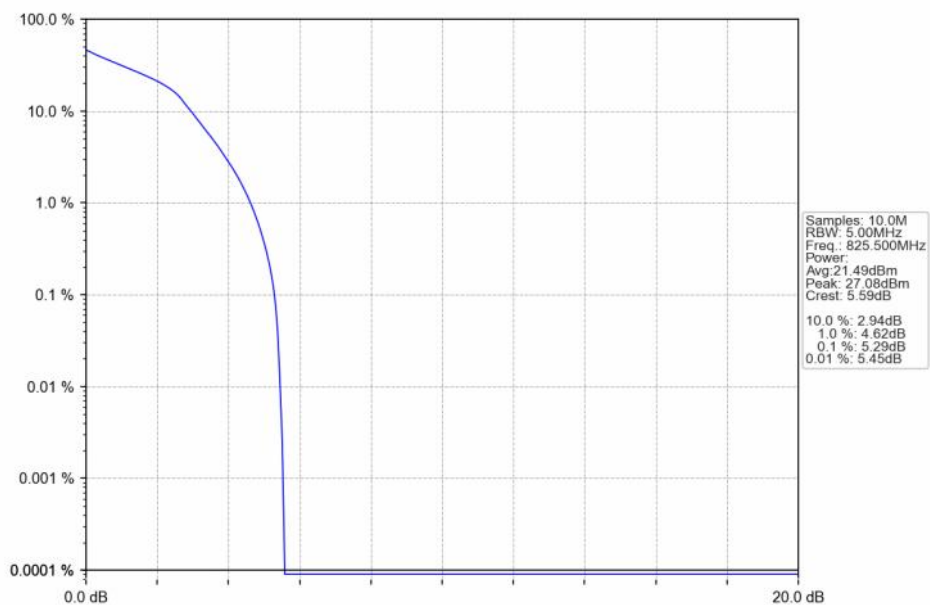
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



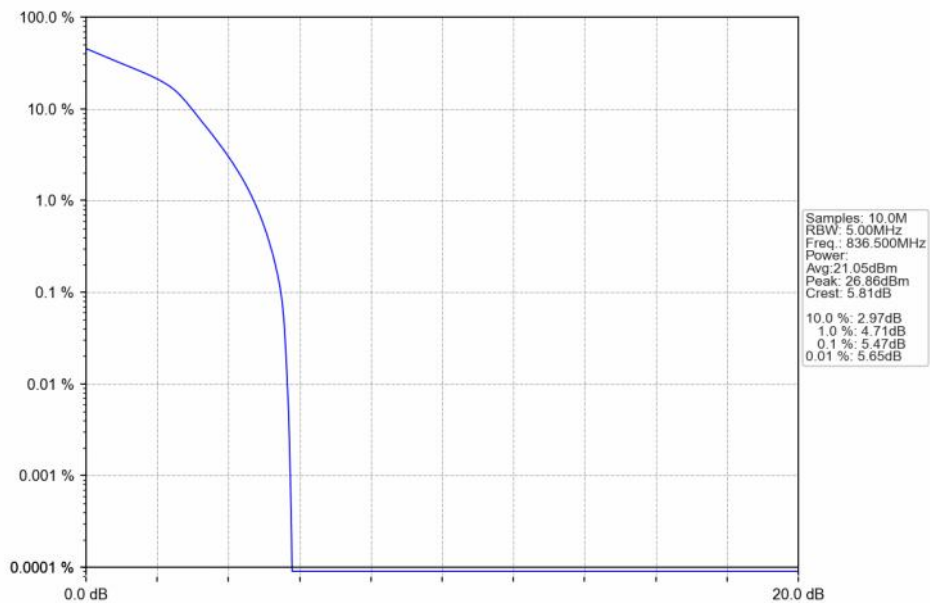
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



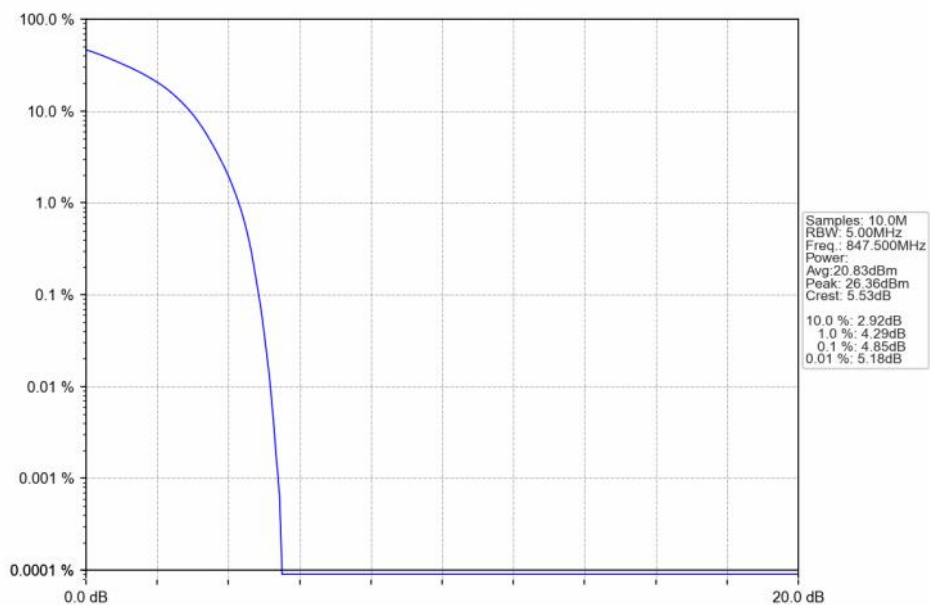
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTN



Band5 3MHz 16QAM MCH 836.5MHz RB 15 0 NTV

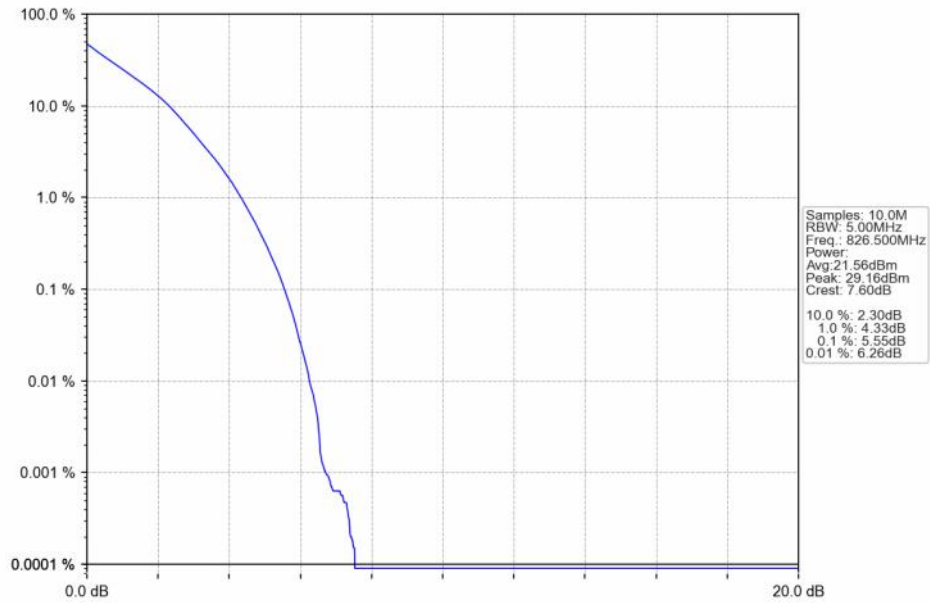


Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

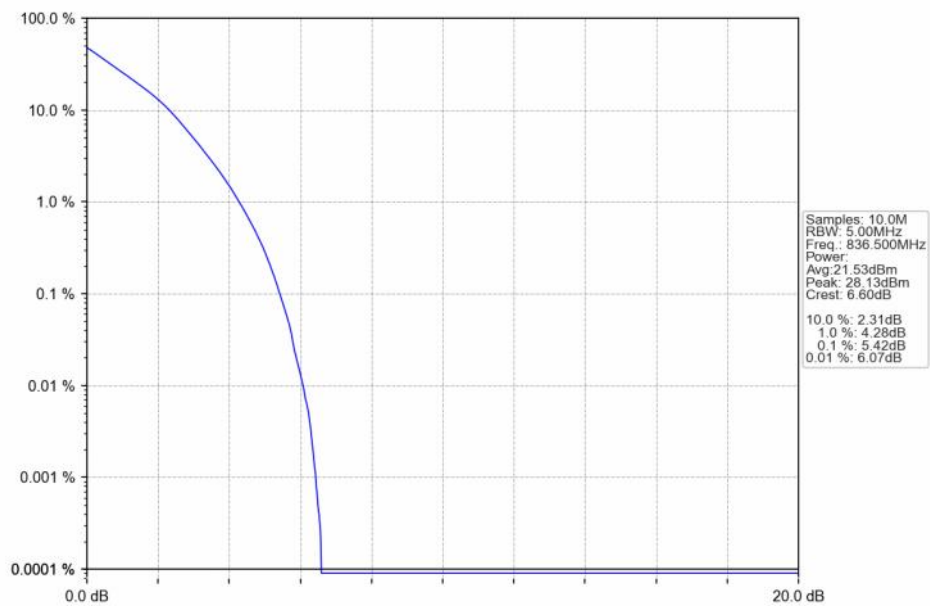


5.2.3 B5_5MHz

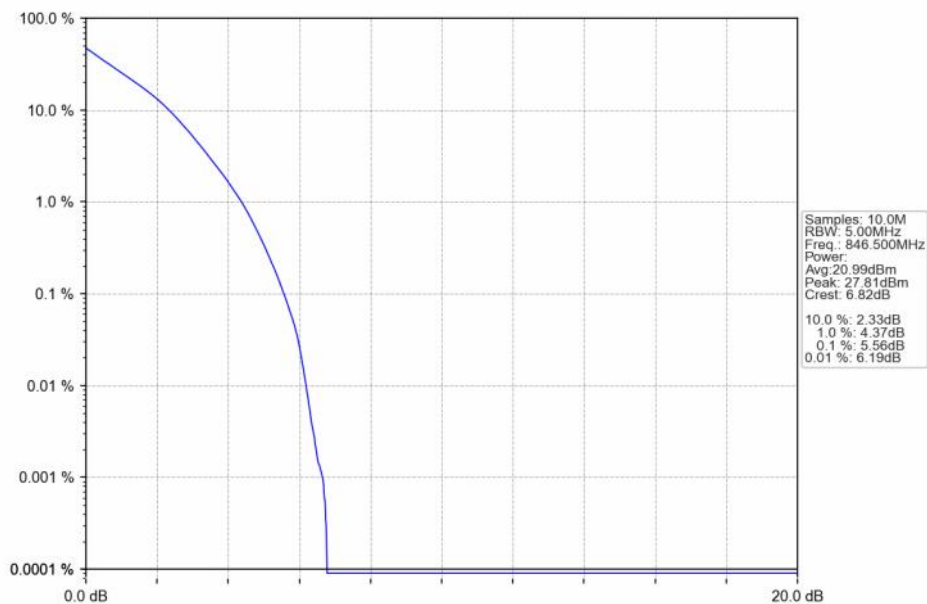
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



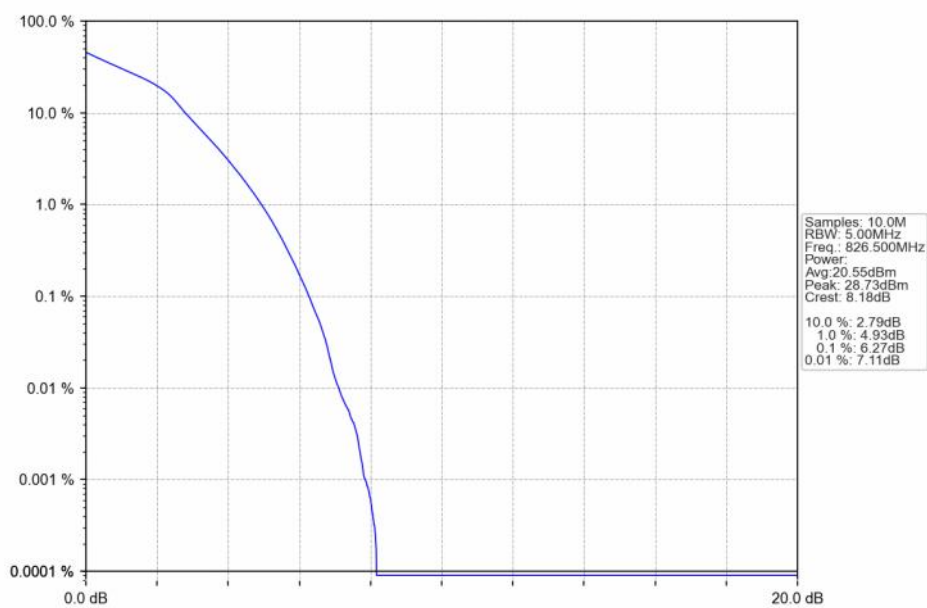
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



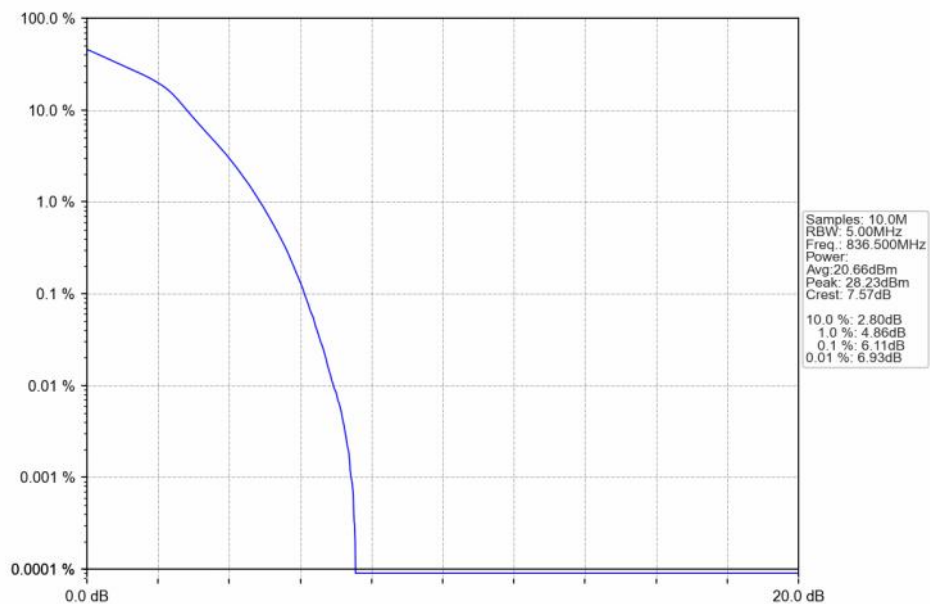
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



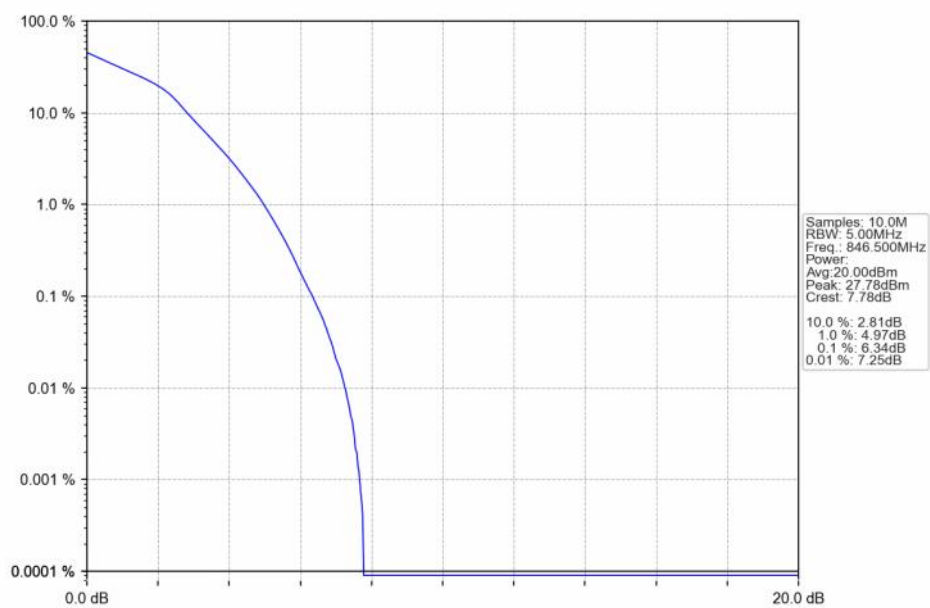
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV

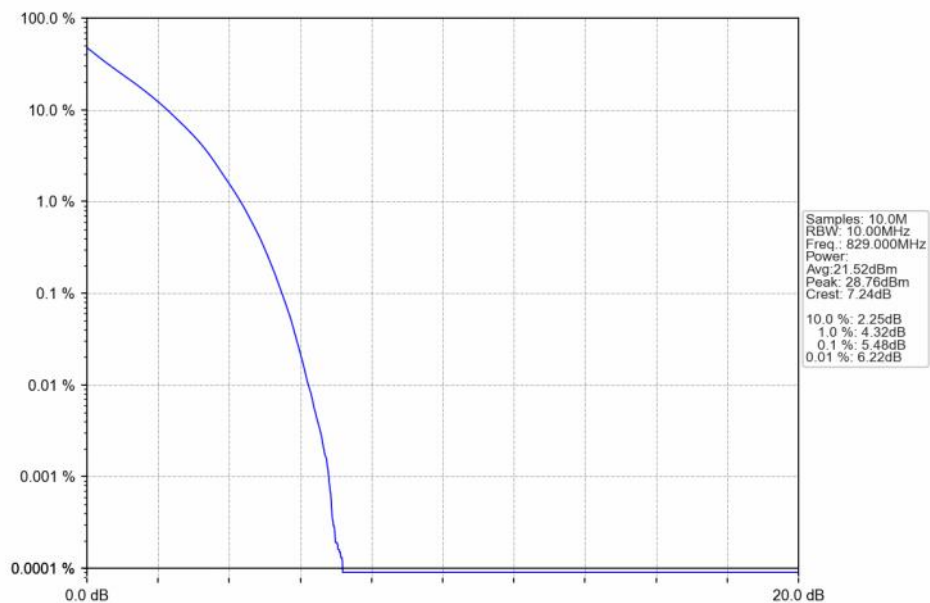


Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV

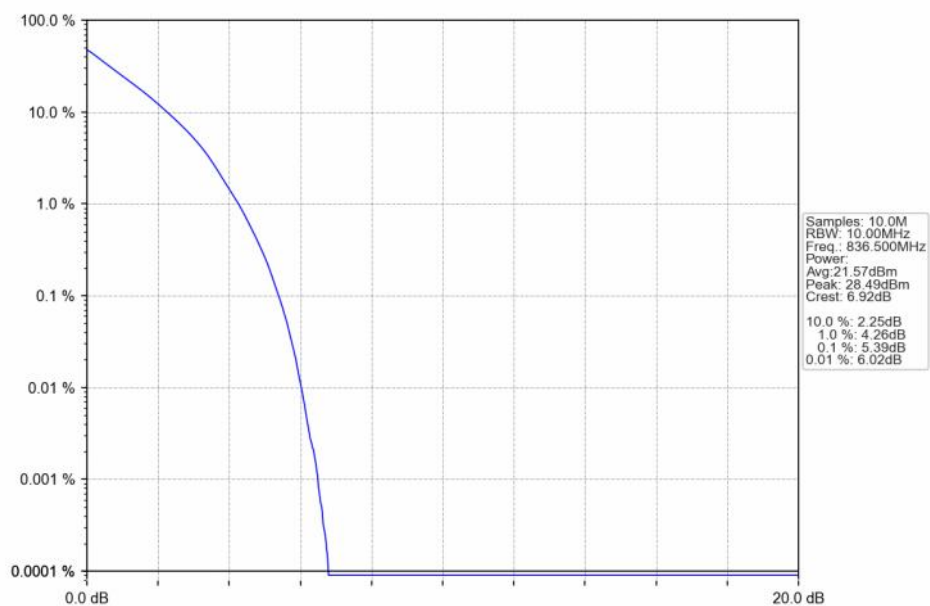


5.2.4 B5_10MHz

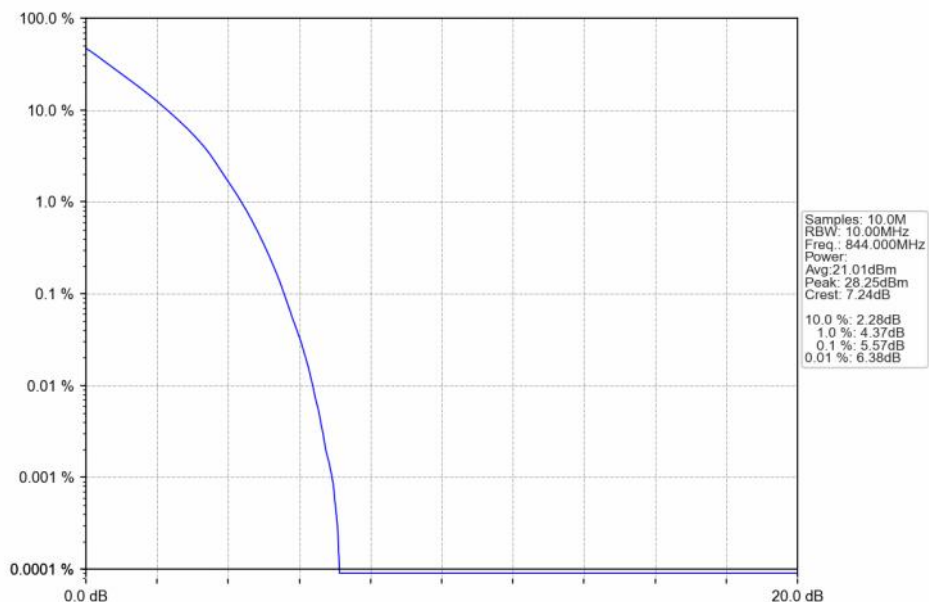
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



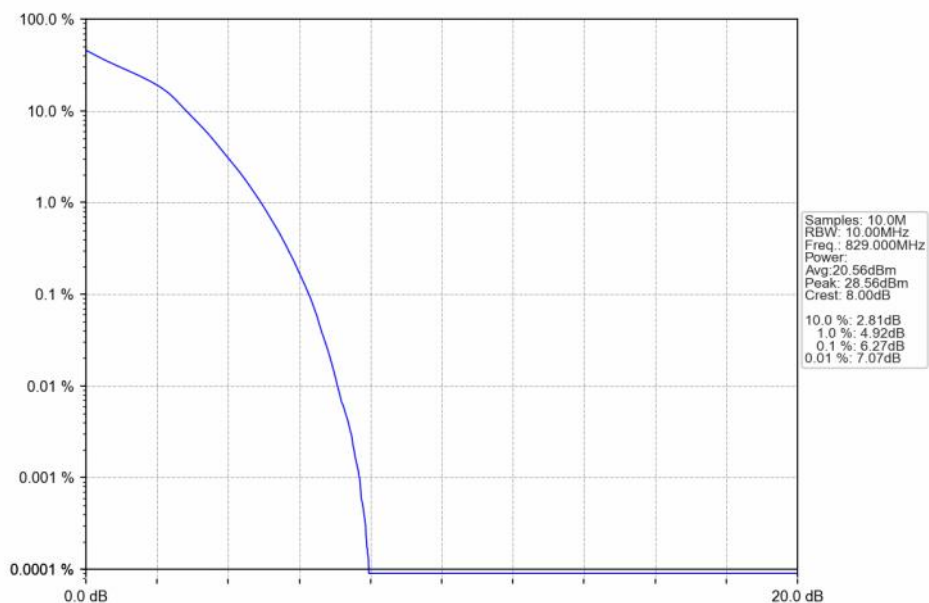
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



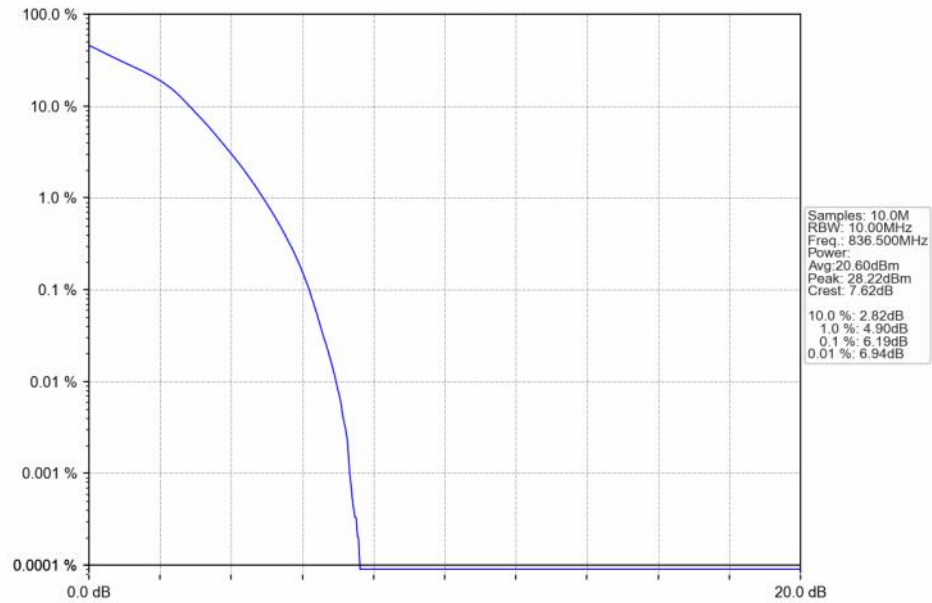
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



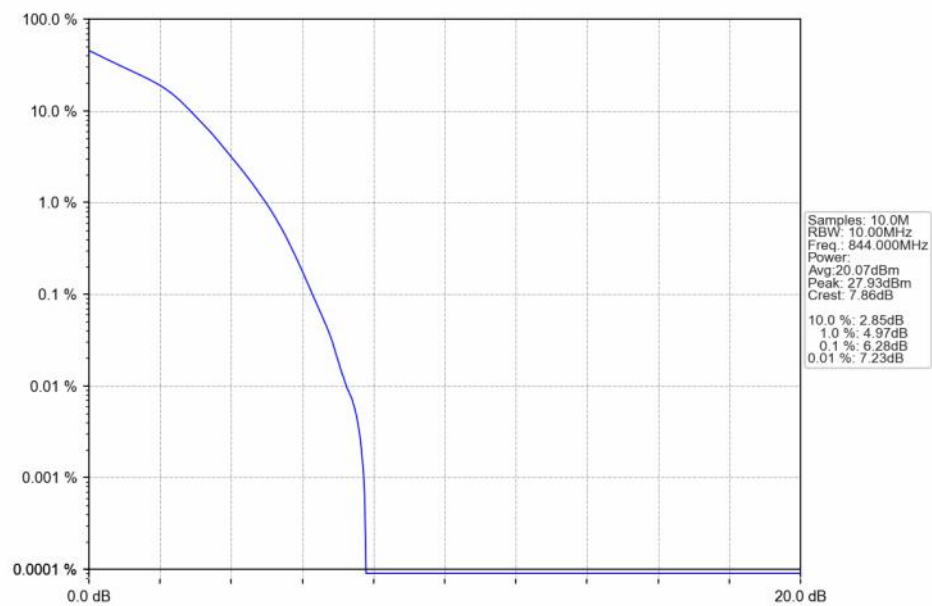
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
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
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	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
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
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
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	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
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV						
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
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	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

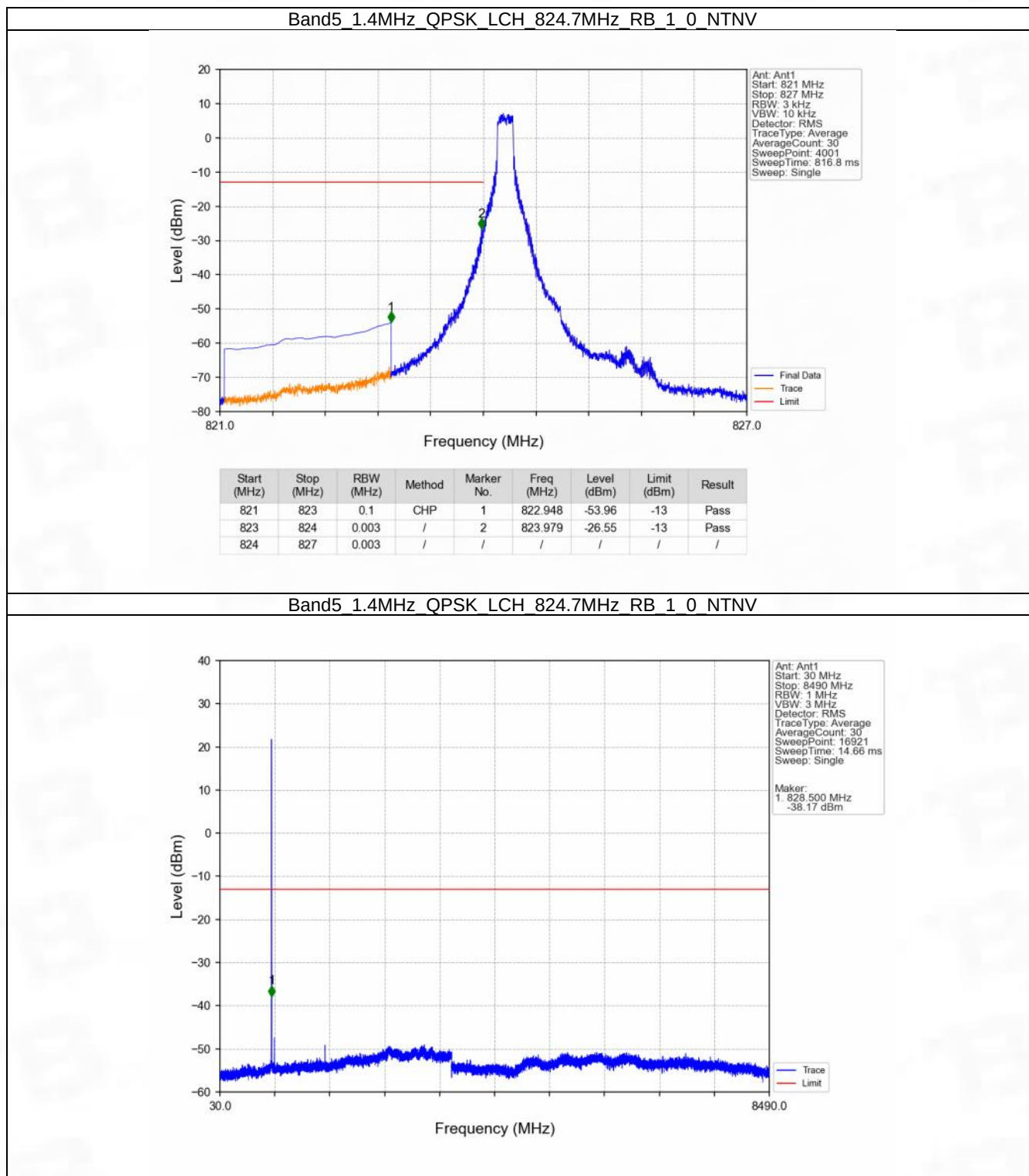
	846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B5_10MHz

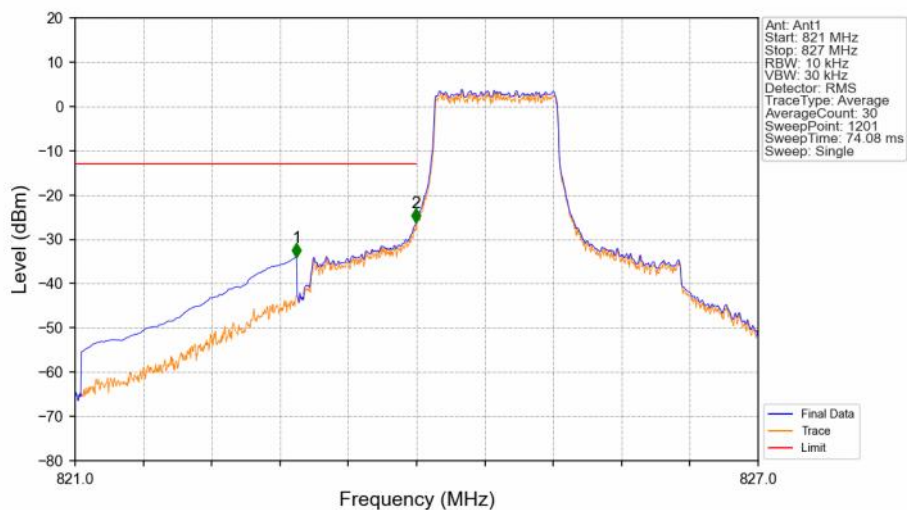
Band: 5 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	829	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	844	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	829	1	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

6.2 Test Graph

6.2.1 B5_1.4MHz

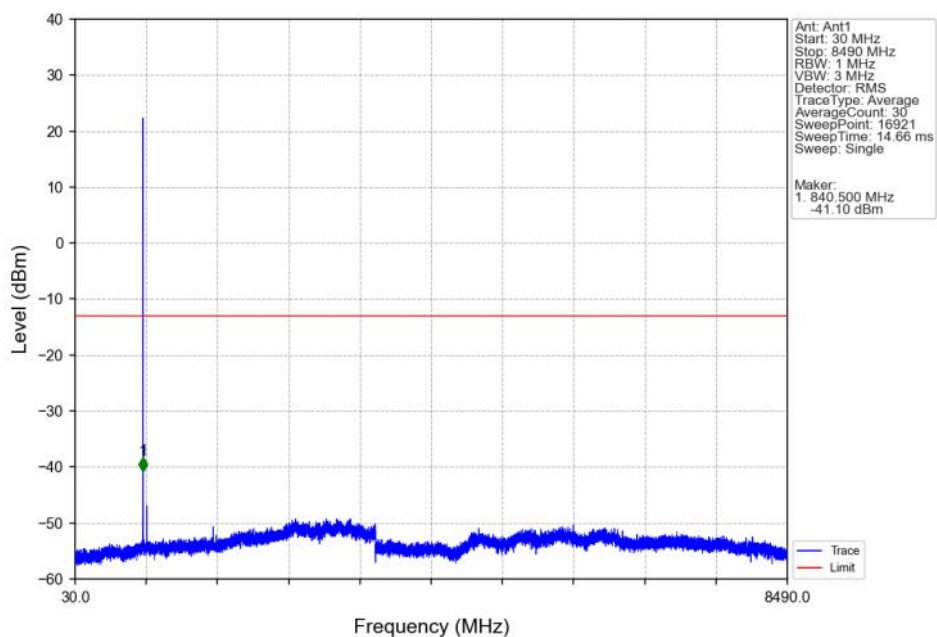


Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV

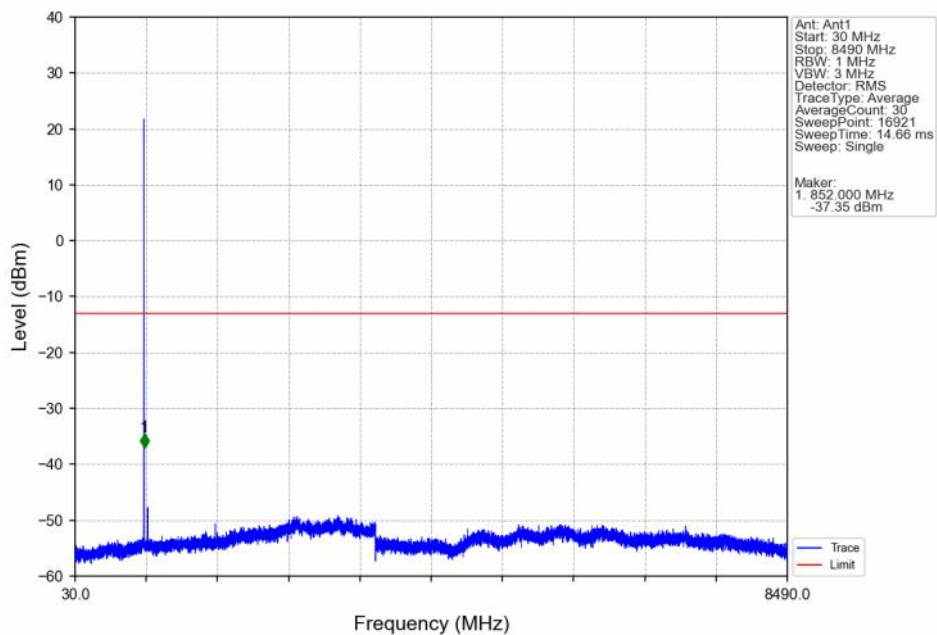


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-33.98	-13	Pass
823	824	0.014	CHP	2	823.995	-26.28	-13	Pass
824	827	0.014	CHP	/	/	/	/	/

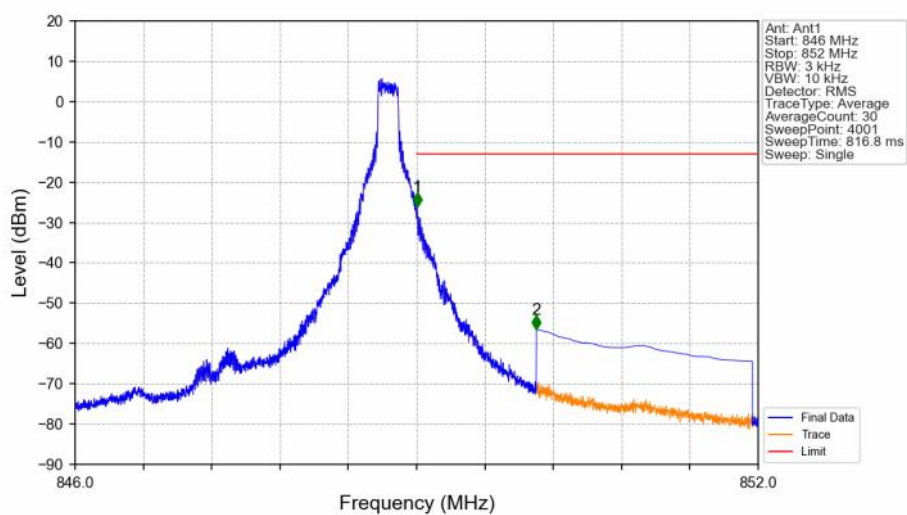
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV

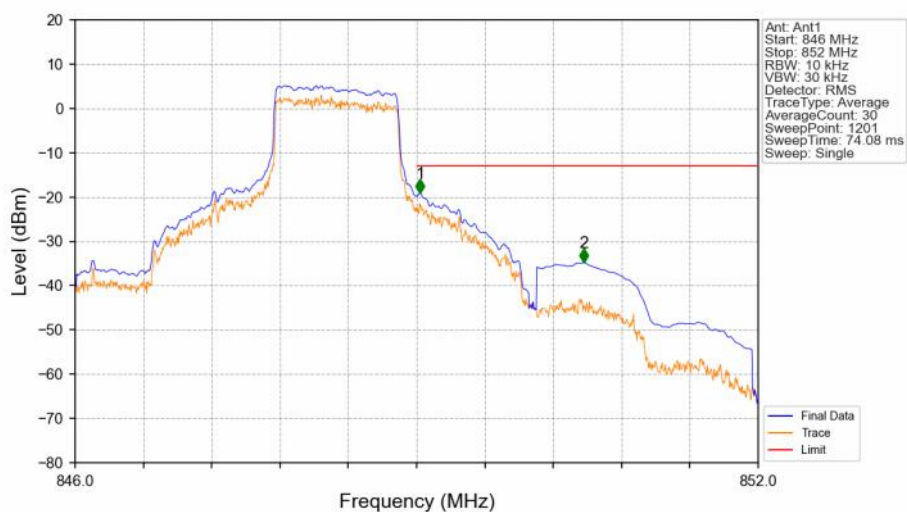


Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



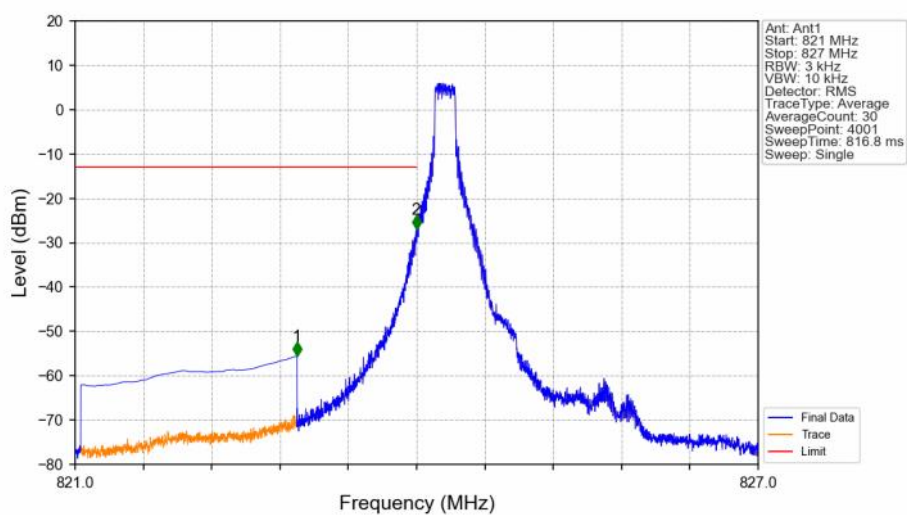
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-26.05	-13	Pass
850	852	0.1	CHP	2	850.052	-56.53	-13	Pass

Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTN



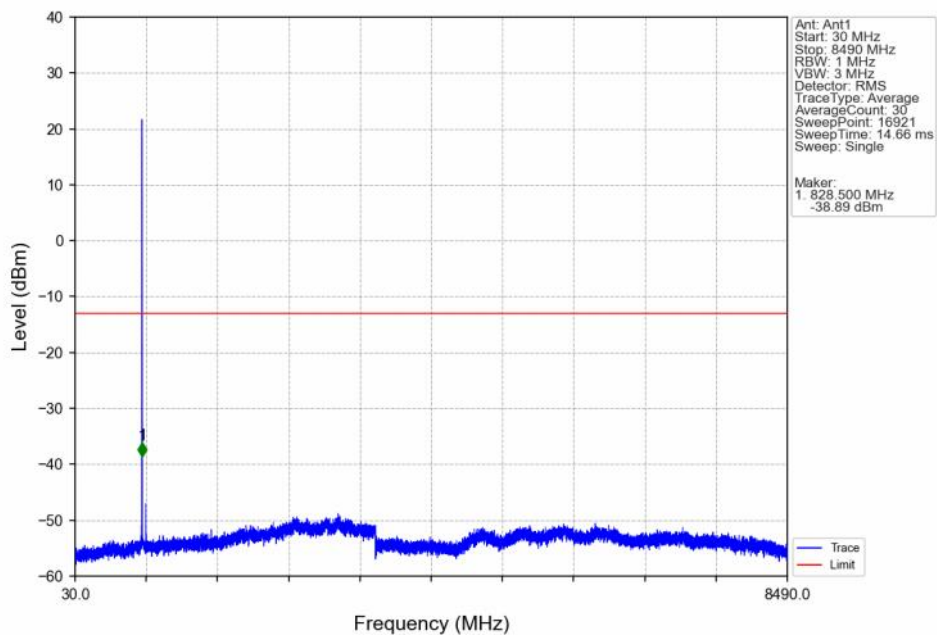
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.023	CHP	/	/	/	/	/
849	850	0.023	CHP	1	849.030	-19.15	-13	Pass
850	852	0.1	CHP	2	850.470	-34.71	-13	Pass

Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTN

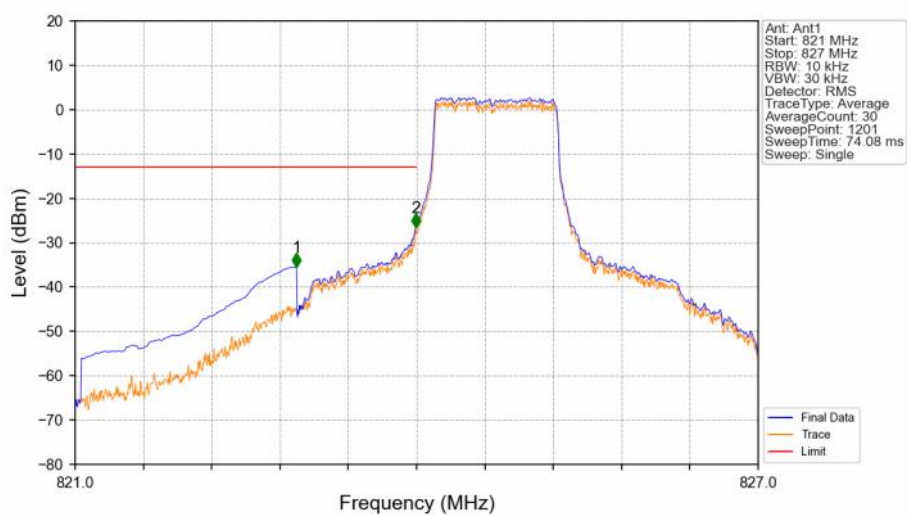


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-55.52	-13	Pass
823	824	0.003	/	2	823.997	-26.96	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV

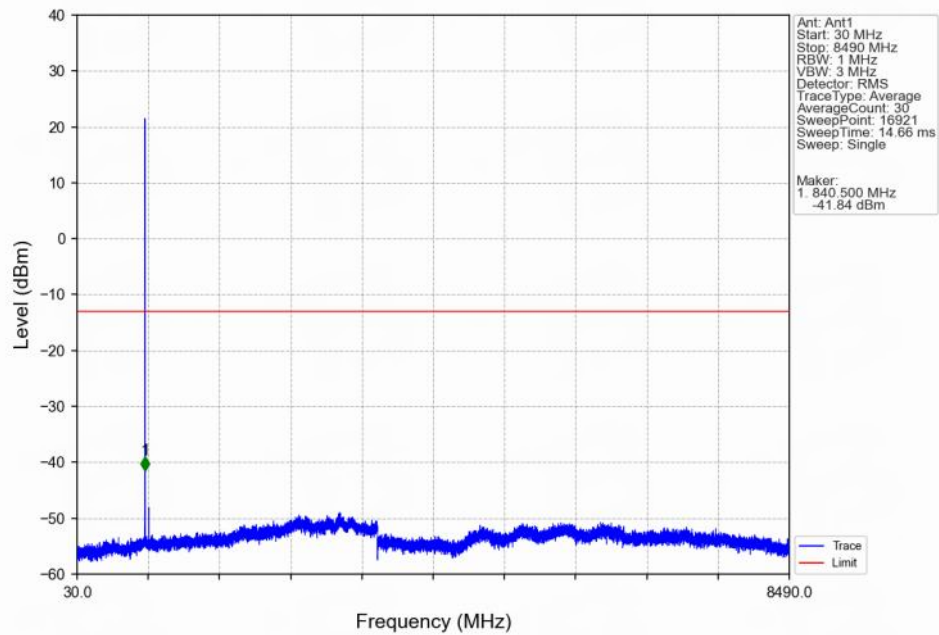


Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV

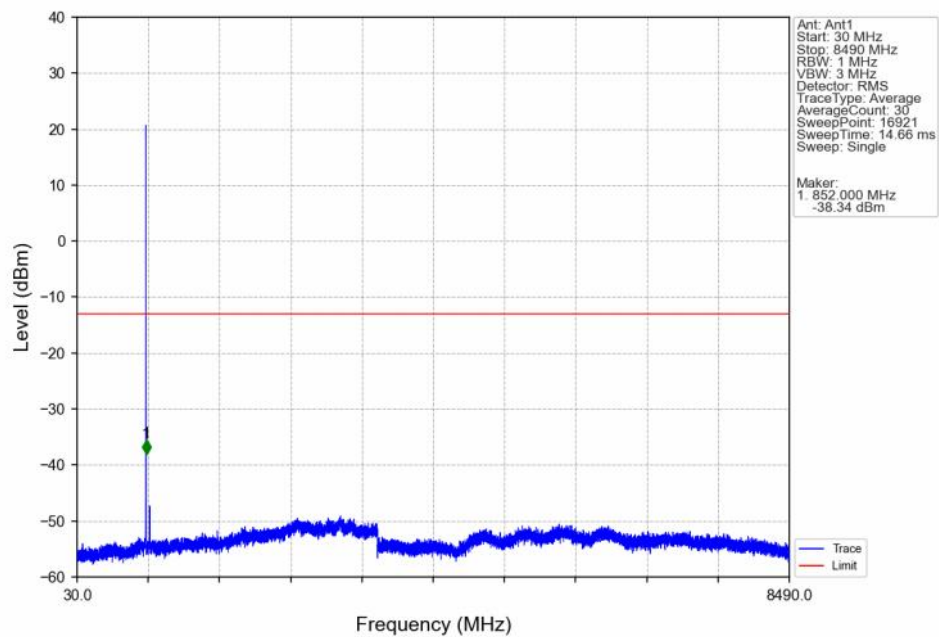


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.945	-35.51	-13	Pass
823	824	0.015	CHP	2	823.995	-26.52	-13	Pass
824	827	0.015	CHP	/	/	/	/	/

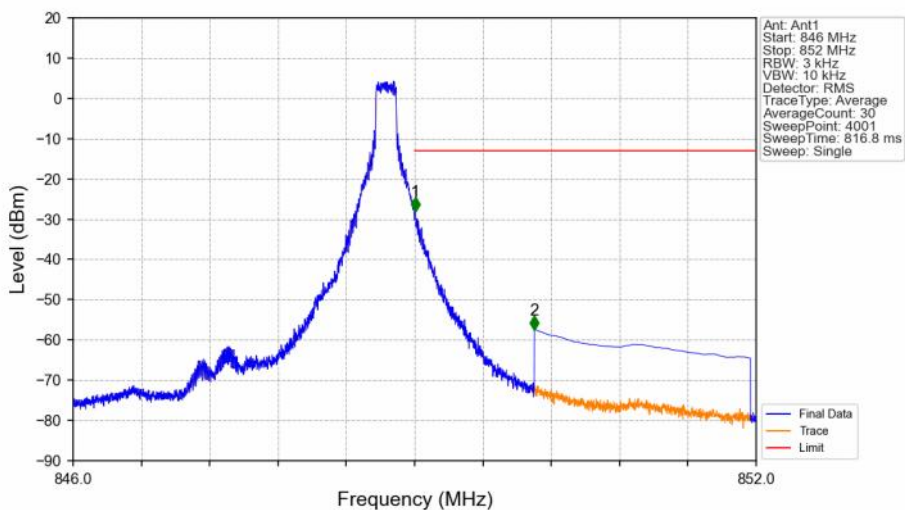
Band5 1.4MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTNV

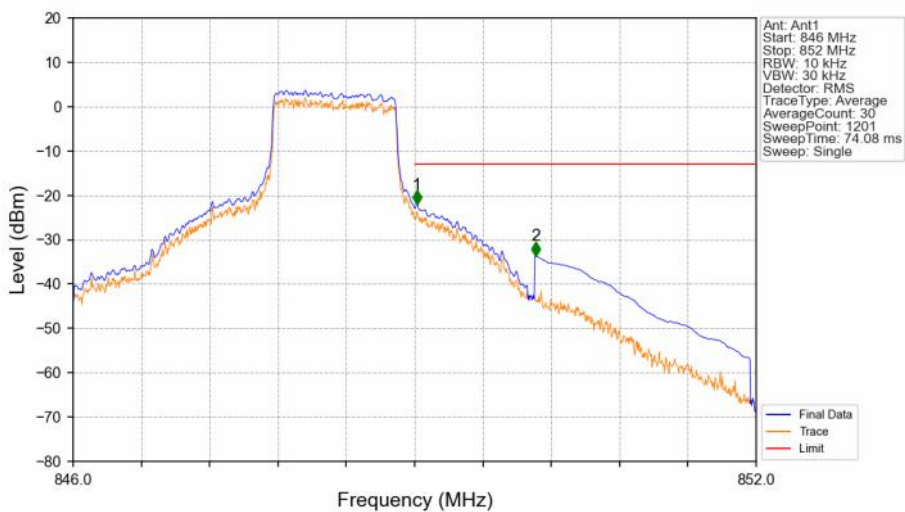


Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 5 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-27.99	-13	Pass
850	852	0.1	CHP	2	850.052	-57.42	-13	Pass

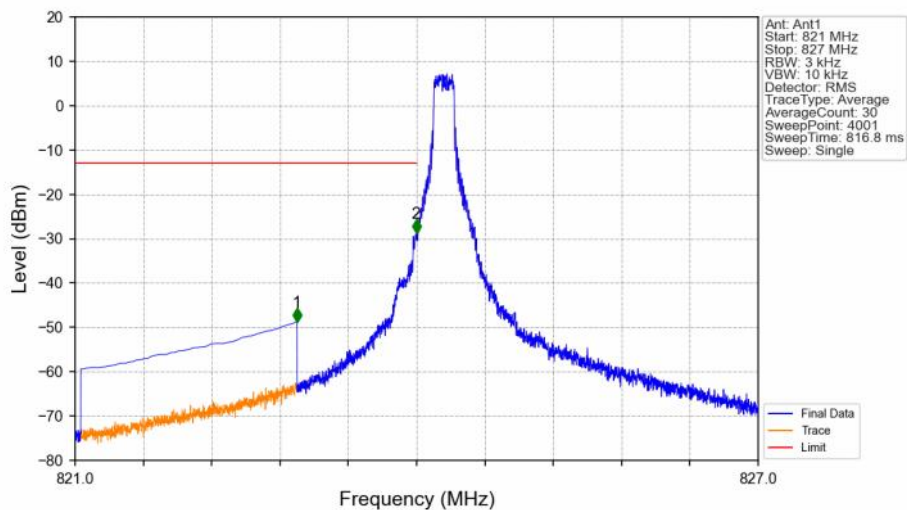
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



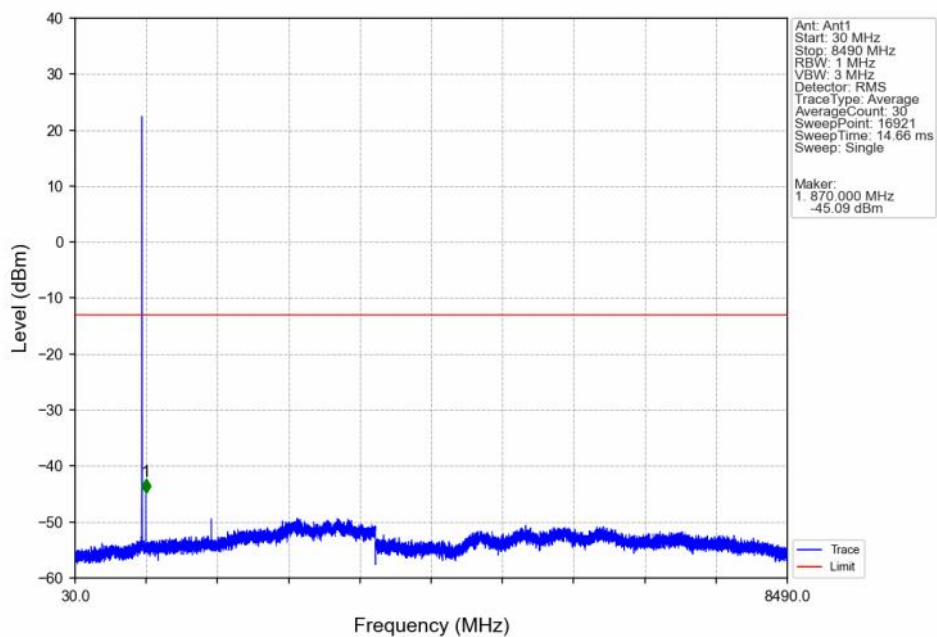
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.018	CHP	/	/	/	/	/
849	850	0.018	CHP	1	849.020	-22.07	-13	Pass
850	852	0.1	CHP	2	850.065	-33.59	-13	Pass

6.2.2 B5_3MHz

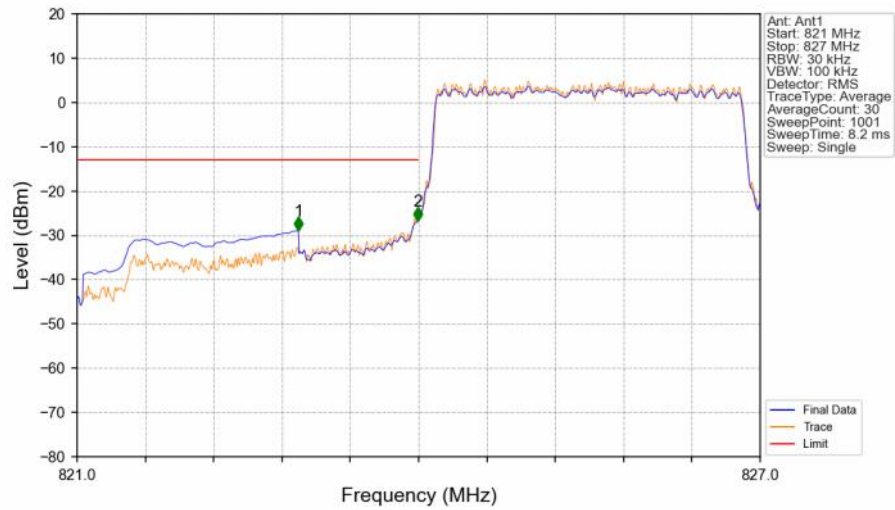
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



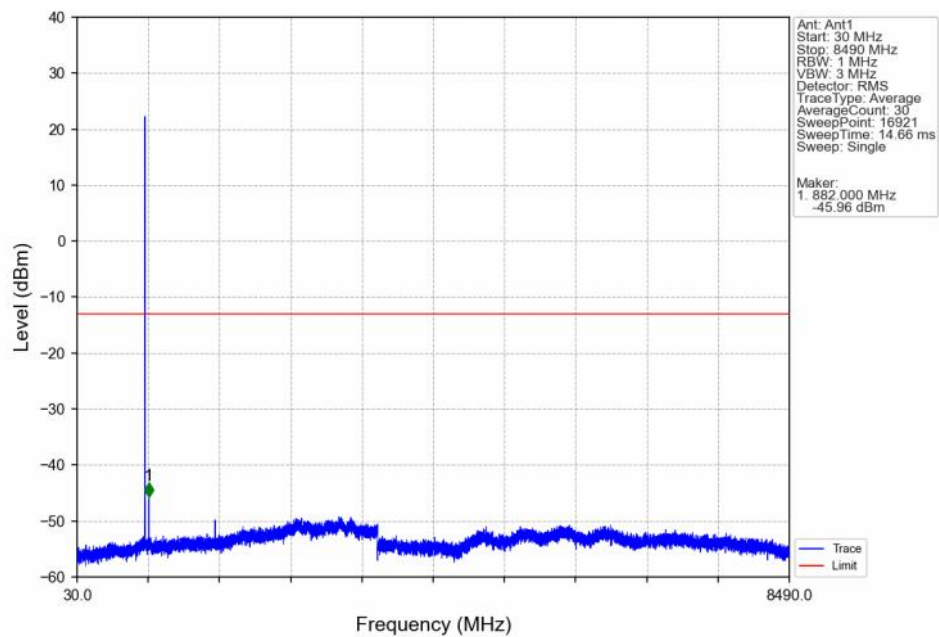
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



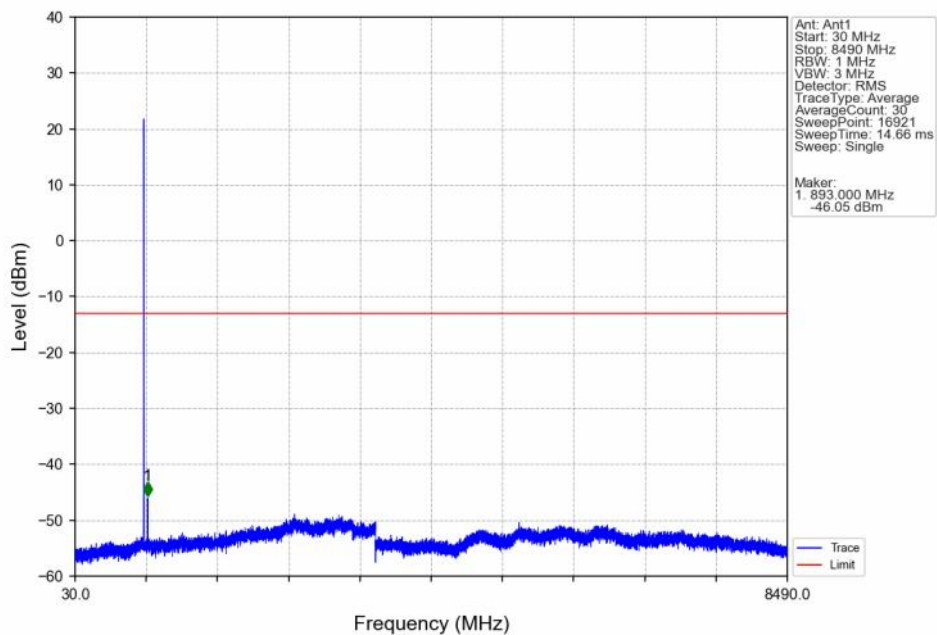
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



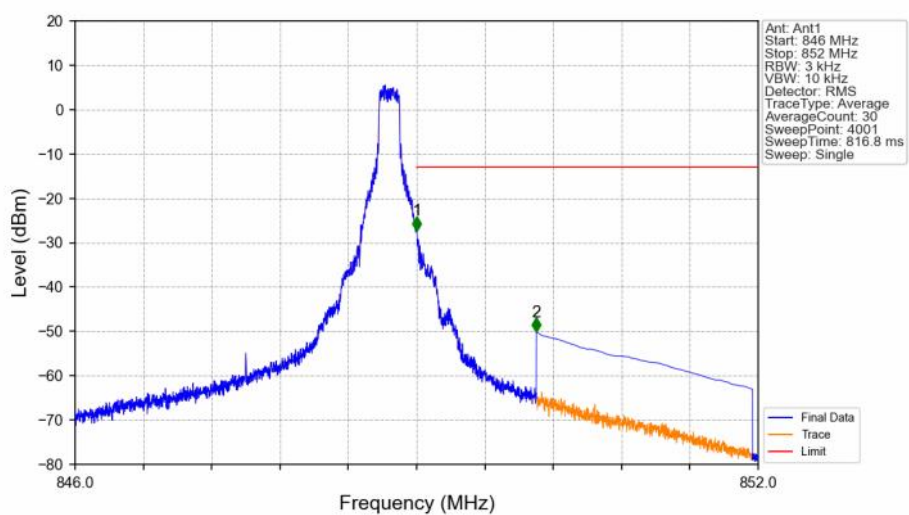
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTNV

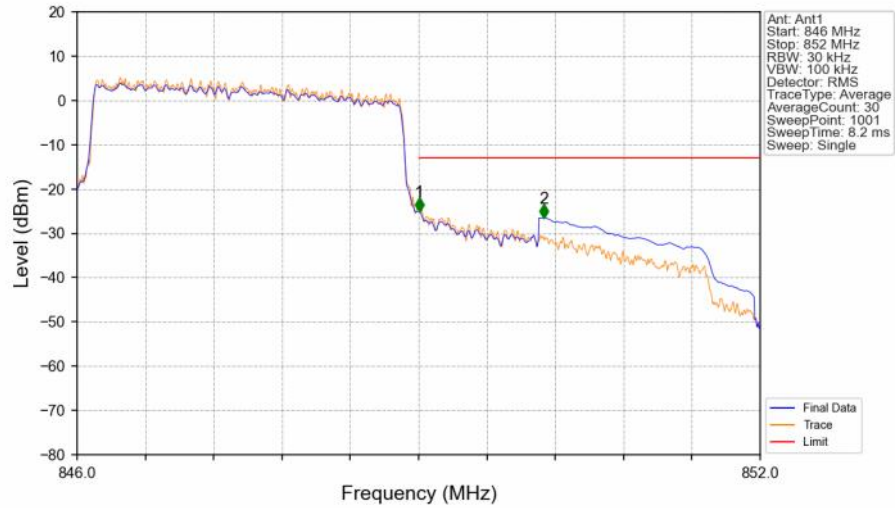


Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_14_NTNV



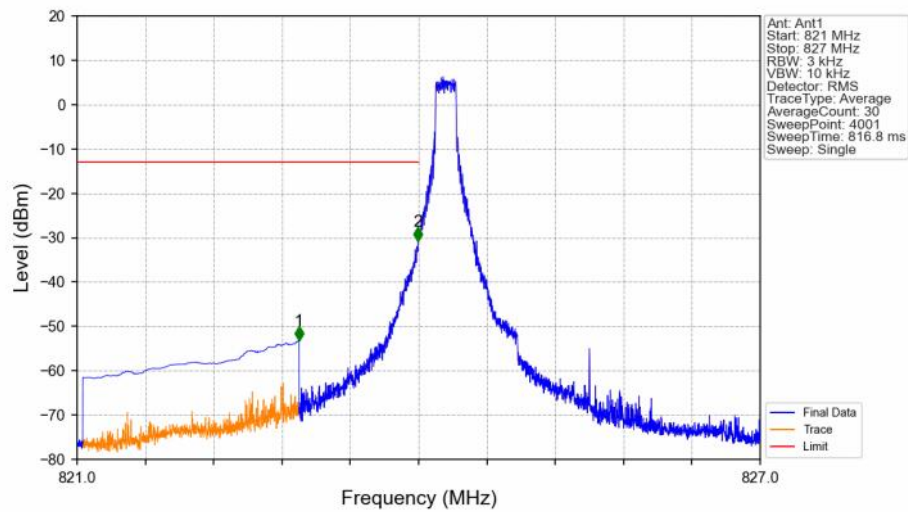
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-27.22	-13	Pass
850	852	0.1	CHP	2	850.052	-50.13	-13	Pass

Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



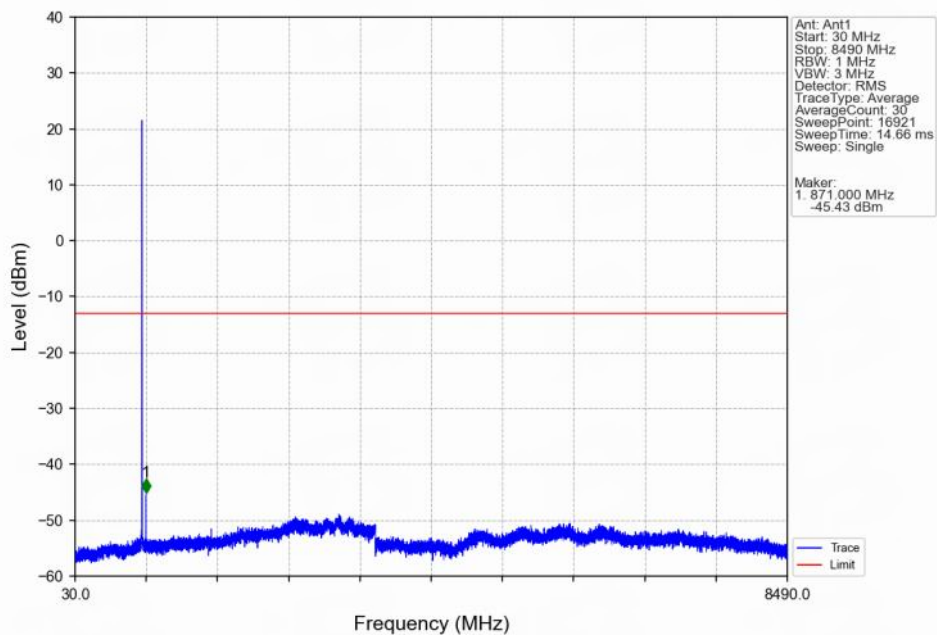
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.006	-25.12	-13	Pass
850	852	0.1	CHP	2	850.098	-26.49	-13	Pass

Band5 3MHz 16QAM LCH 825.5MHz RB 1 0 NTN

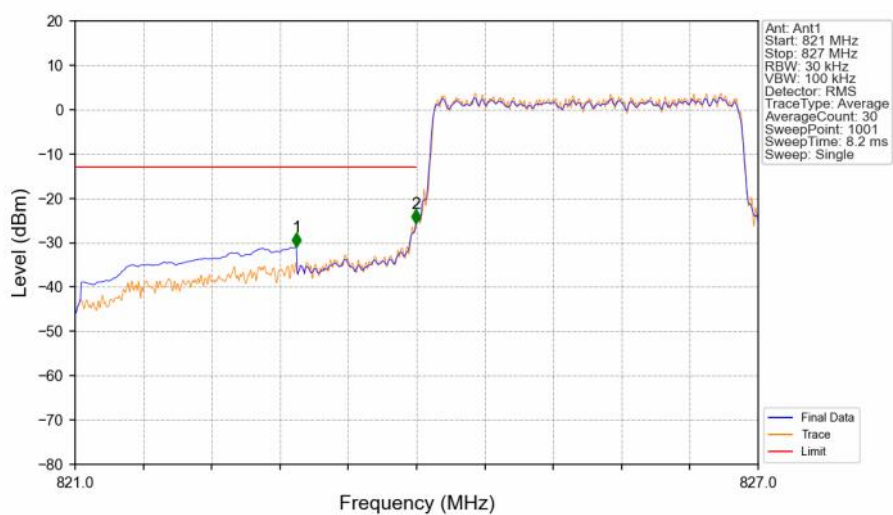


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.947	-53.19	-13	Pass
823	824	0.003	/	2	823.995	-30.82	-13	Pass
824	827	0.003	/	/	/	/	/	/

Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

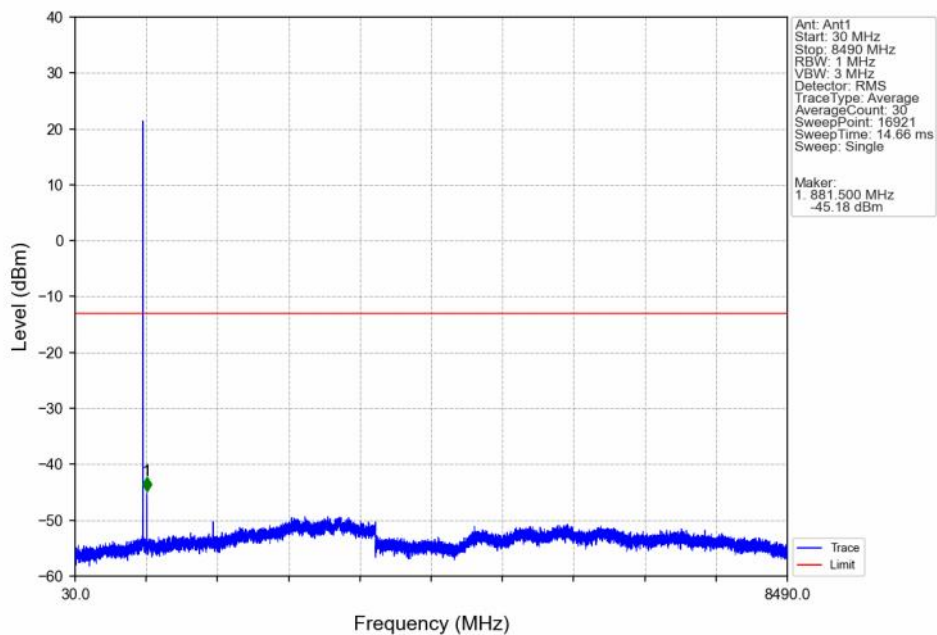


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

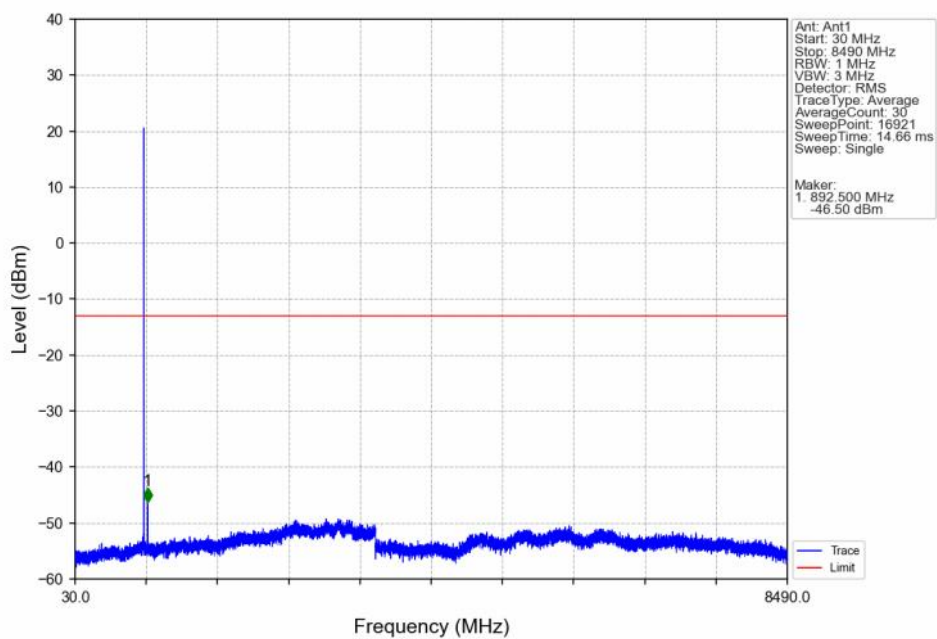


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-30.91	-13	Pass
823	824	0.032	CHP	2	823.994	-25.63	-13	Pass
824	827	0.032	CHP	/	/	/	/	/

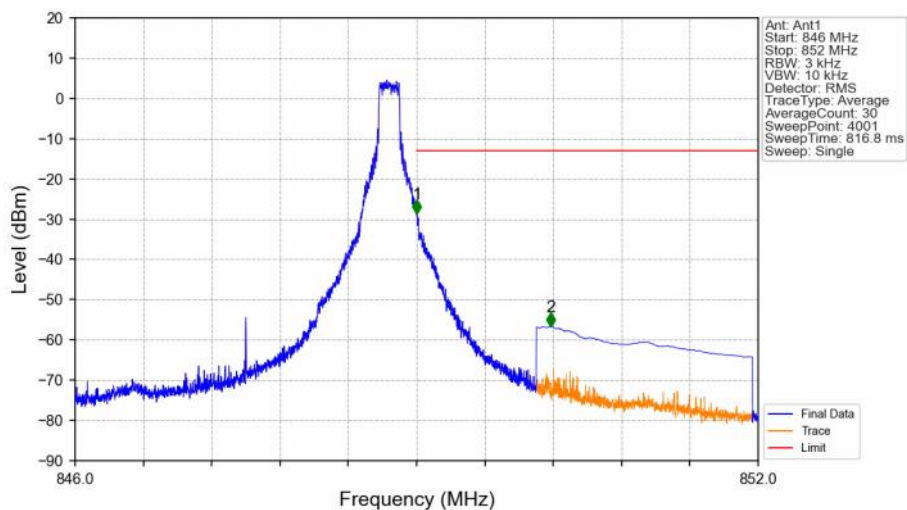
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTN



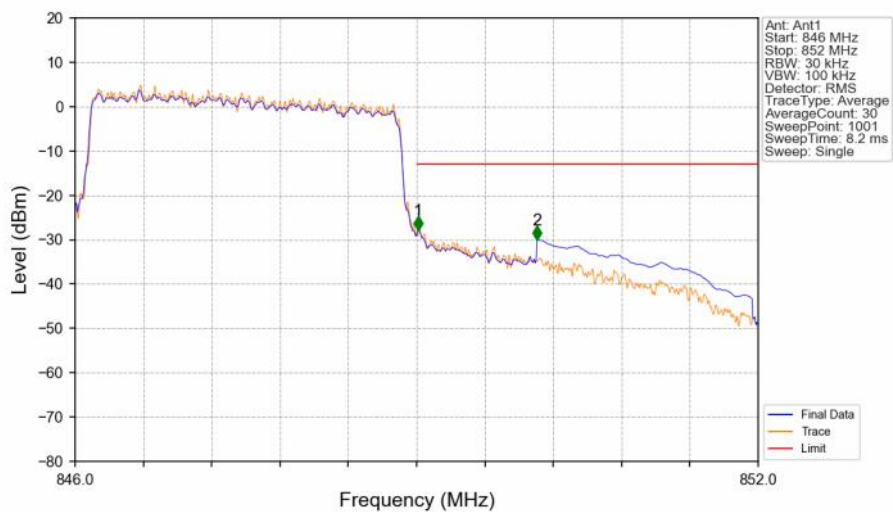
Band5 3MHz 16QAM HCH 847.5MHz RB 1 0 NTN



Band5 3MHz 16QAM HCH 847.5MHz RB 1 14 NTV

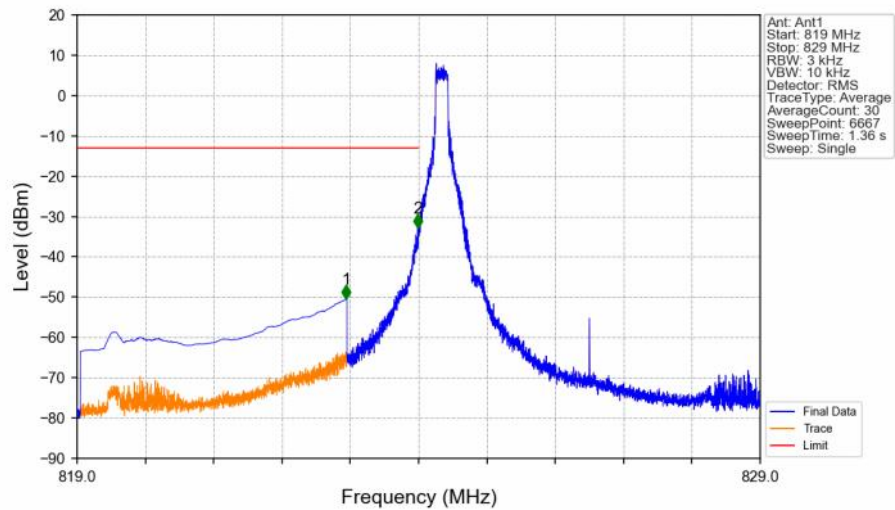


Band5 3MHz 16QAM HCH 847.5MHz RB 15 0 NTV

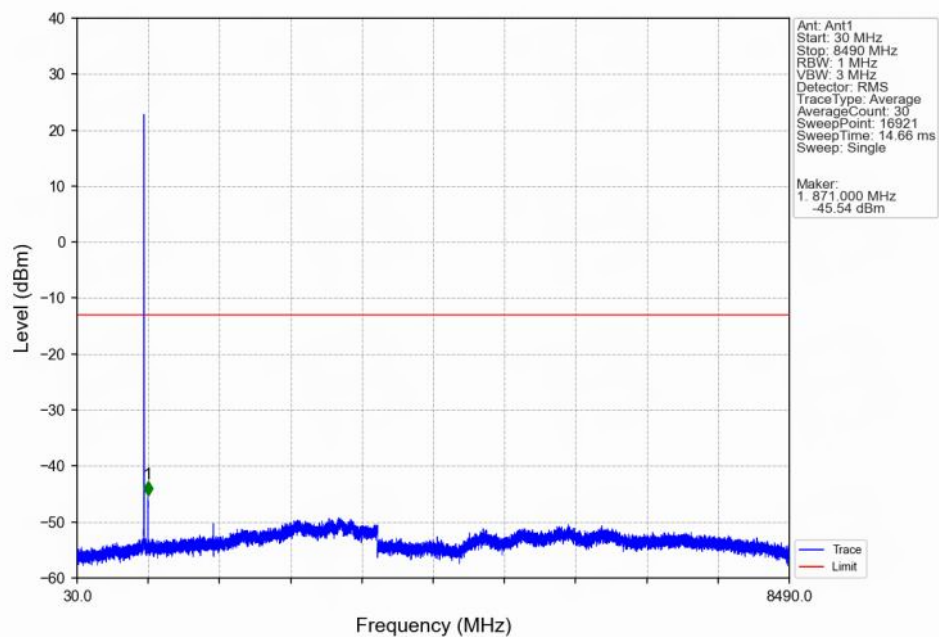


6.2.3 B5_5MHz

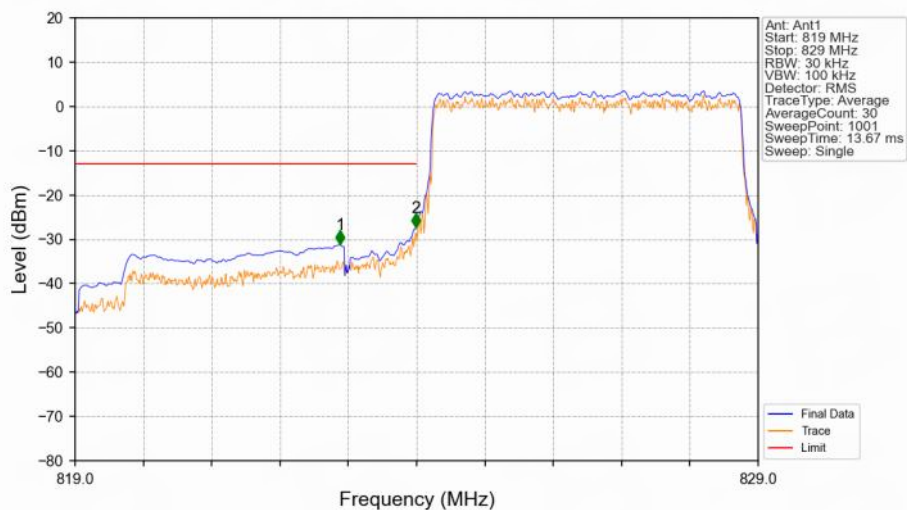
Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV



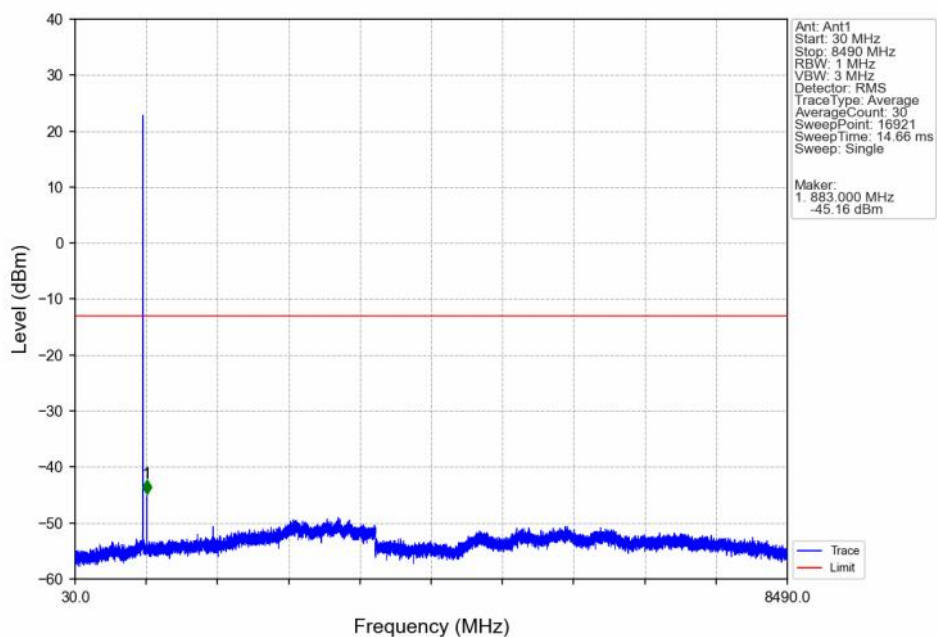
Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV



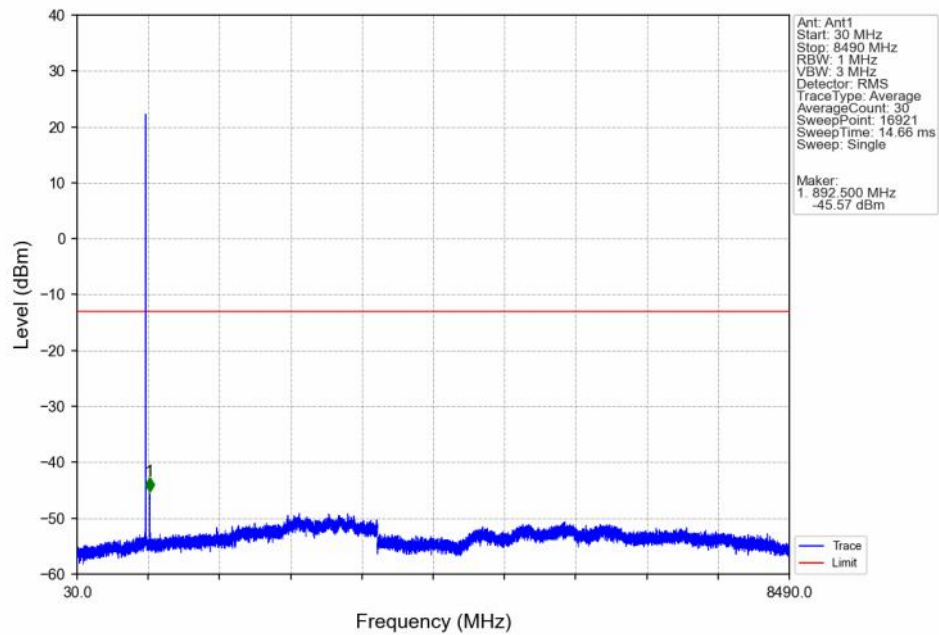
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



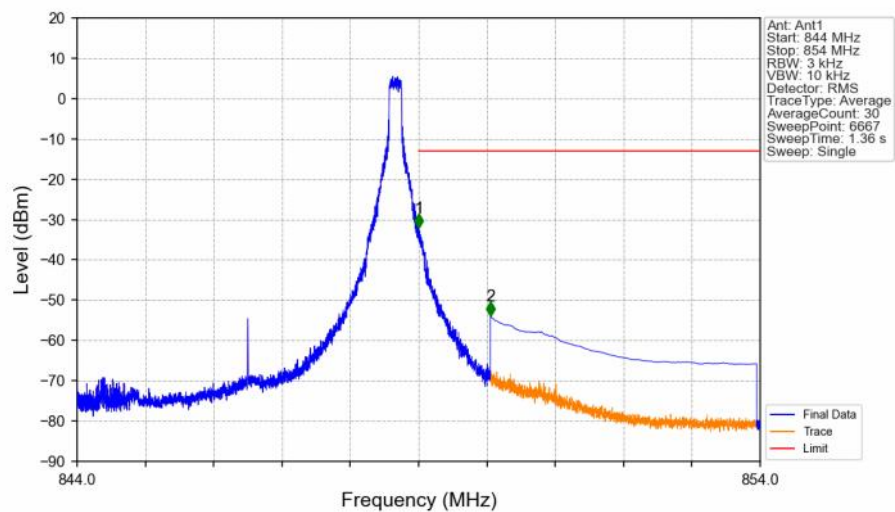
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN

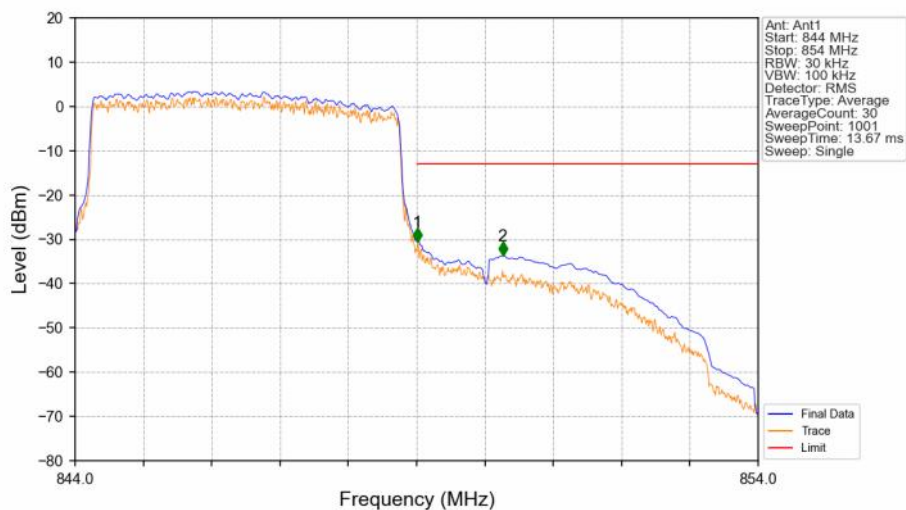


Band5 5MHz QPSK HCH 846.5MHz RB 1 24 NTN



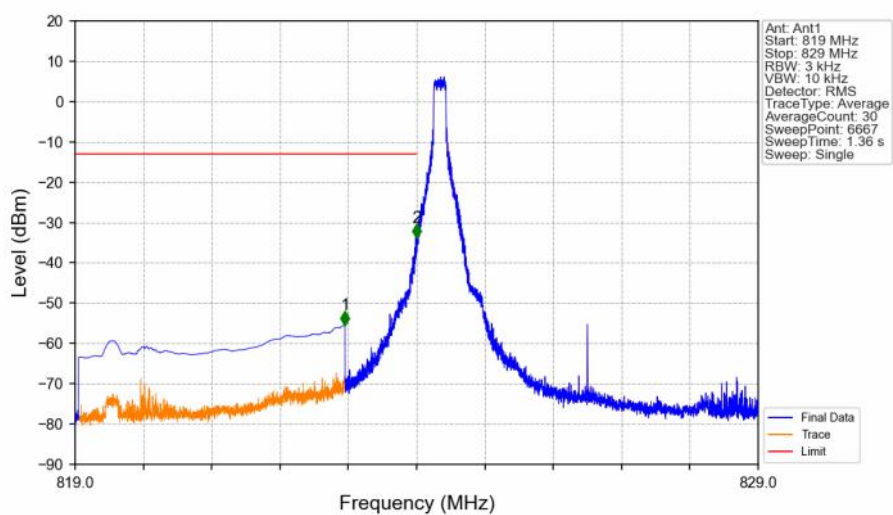
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-32.01	-13	Pass
850	854	0.1	CHP	2	850.050	-53.96	-13	Pass

Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



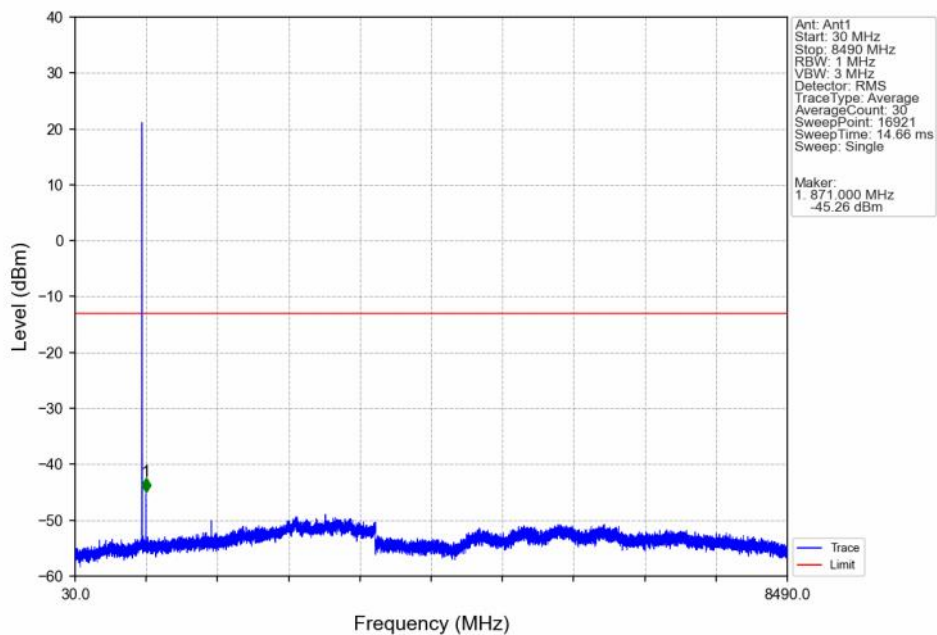
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.052	CHP	/	/	/	/	/
849	850	0.052	CHP	1	849.010	-30.58	-13	Pass
850	854	0.1	CHP	2	850.260	-33.72	-13	Pass

Band5 5MHz 16QAM LCH 826.5MHz RB 1 0 NTN

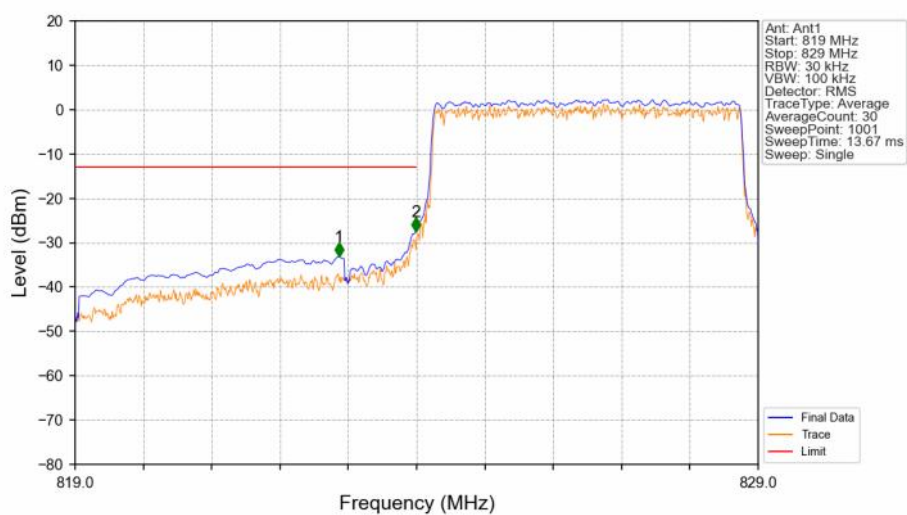


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.950	-55.38	-13	Pass
823	824	0.003	/	2	823.999	-33.73	-13	Pass
824	829	0.003	/	/	/	/	/	/

Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

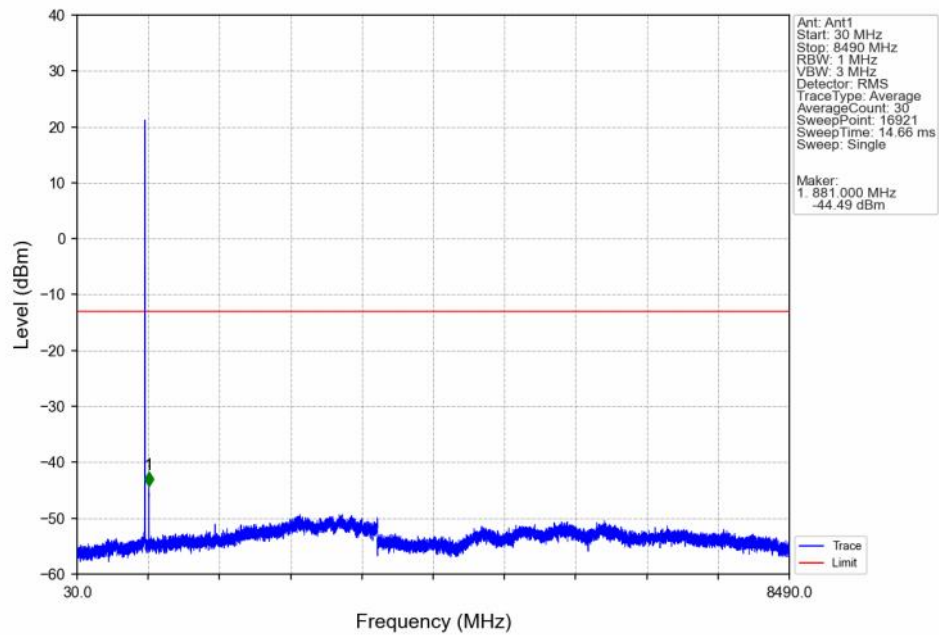


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

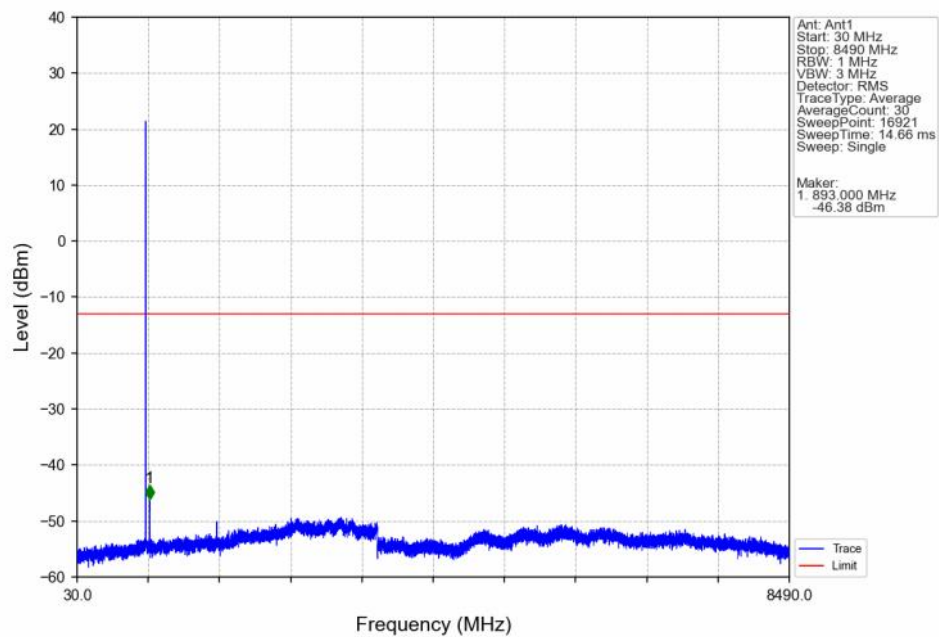


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.860	-33.21	-13	Pass
823	824	0.052	CHP	2	823.990	-27.42	-13	Pass
824	829	0.052	CHP	/	/	/	/	/

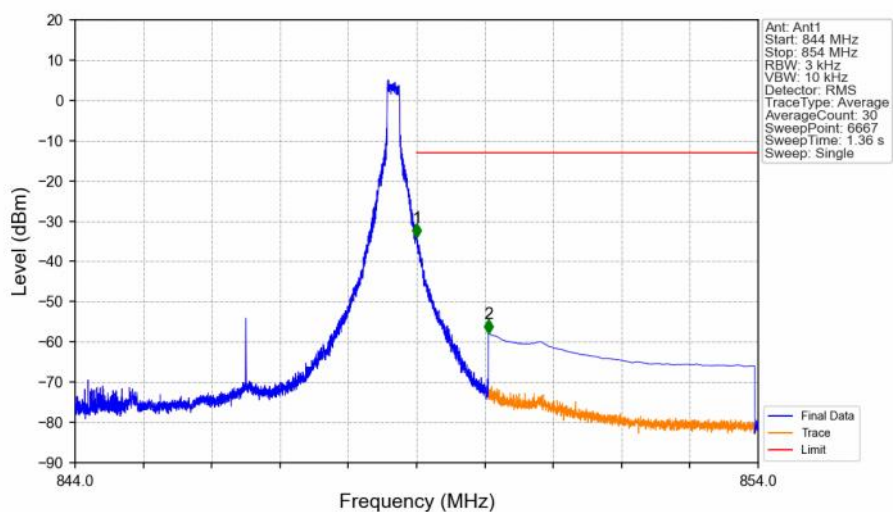
Band5 5MHz 16QAM MCH 836.5MHz RB 1 0 NTN



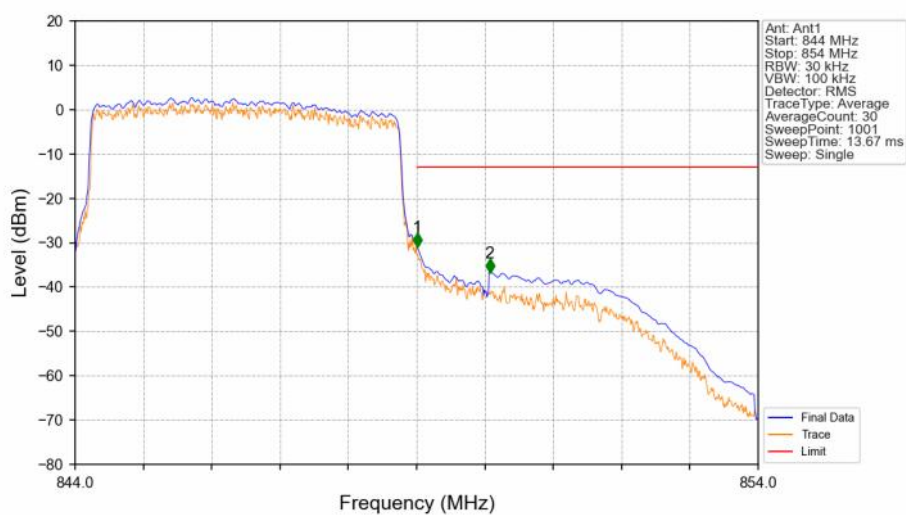
Band5 5MHz 16QAM HCH 846.5MHz RB 1 0 NTN



Band5 5MHz 16QAM HCH 846.5MHz RB 1 24 NTNV

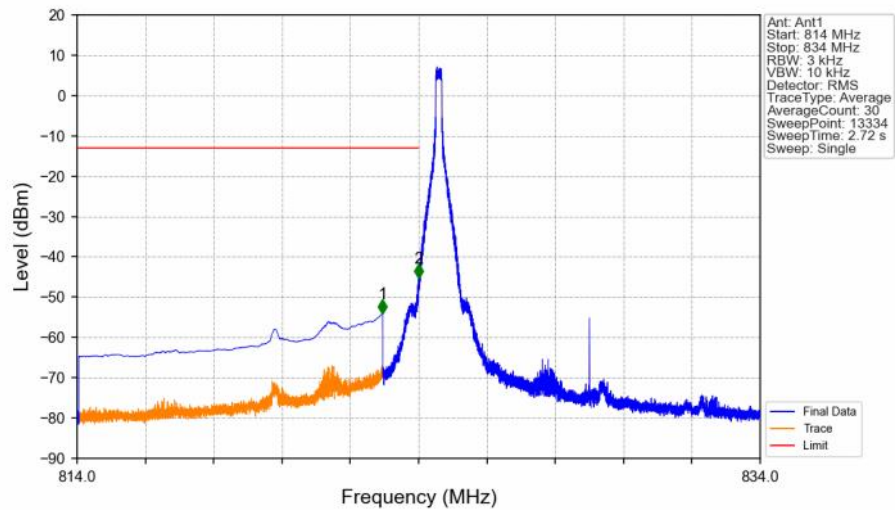


Band5 5MHz 16QAM HCH 846.5MHz RB 25 0 NTNV

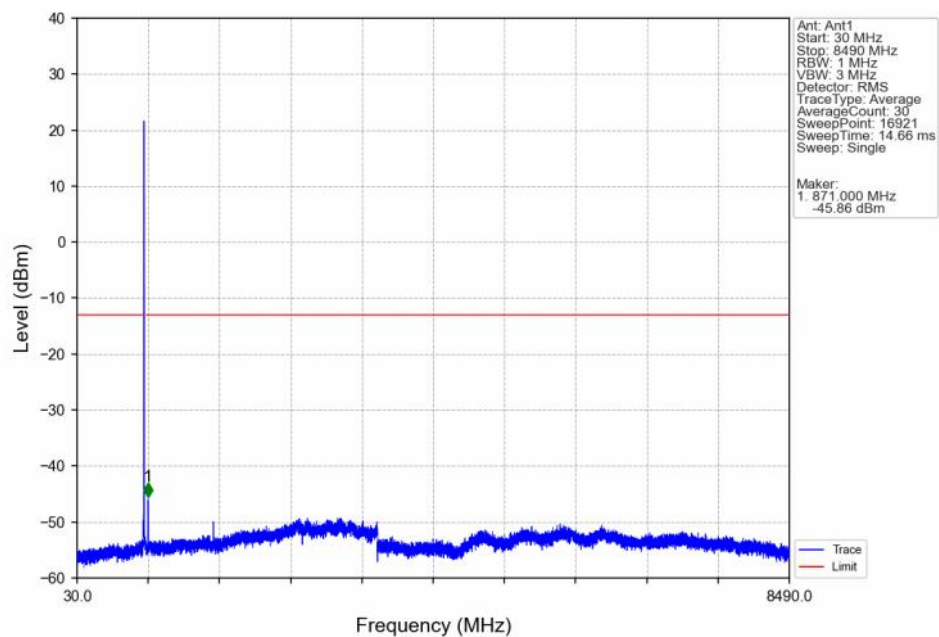


6.2.4 B5_10MHz

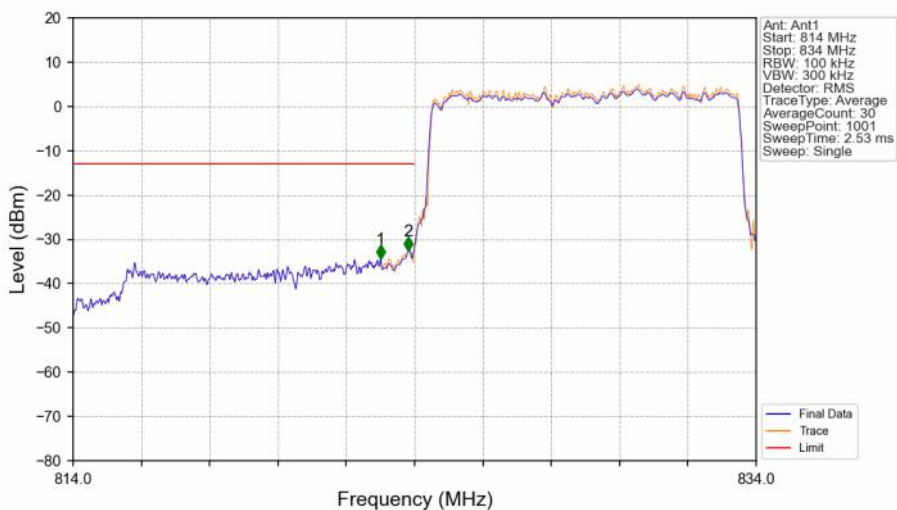
Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV



Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV

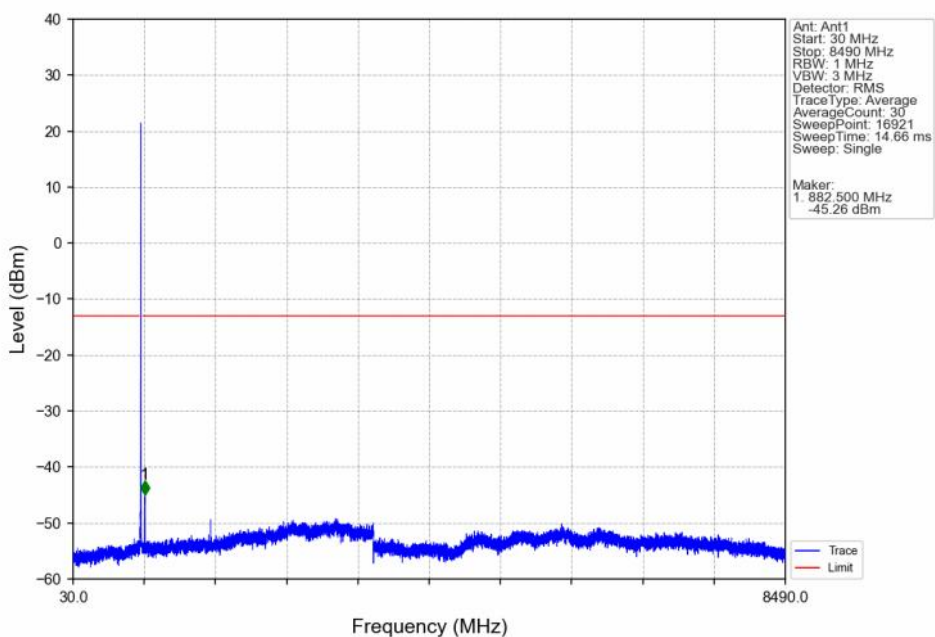


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

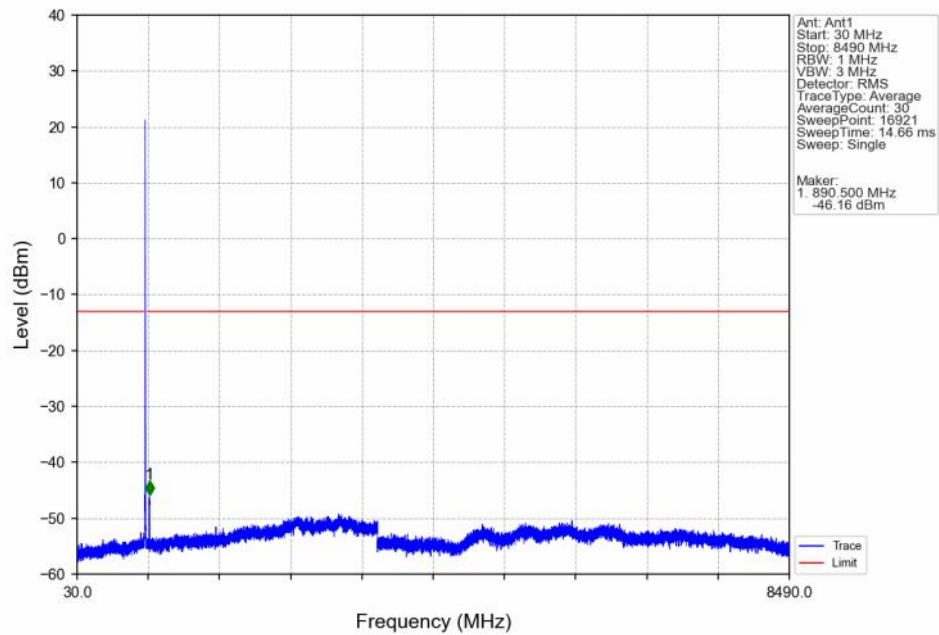


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	/	1	823.000	-34.43	-13	Pass
823	824	0.102	CHP	2	823.820	-32.55	-13	Pass
824	834	0.102	CHP	/	/	/	/	/

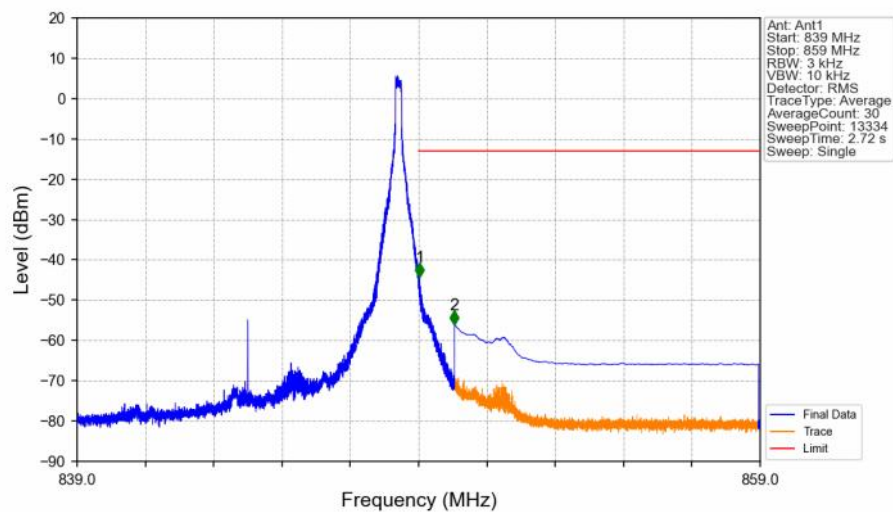
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



Band5 10MHz QPSK HCH 844MHz RB 1 0 NTNV

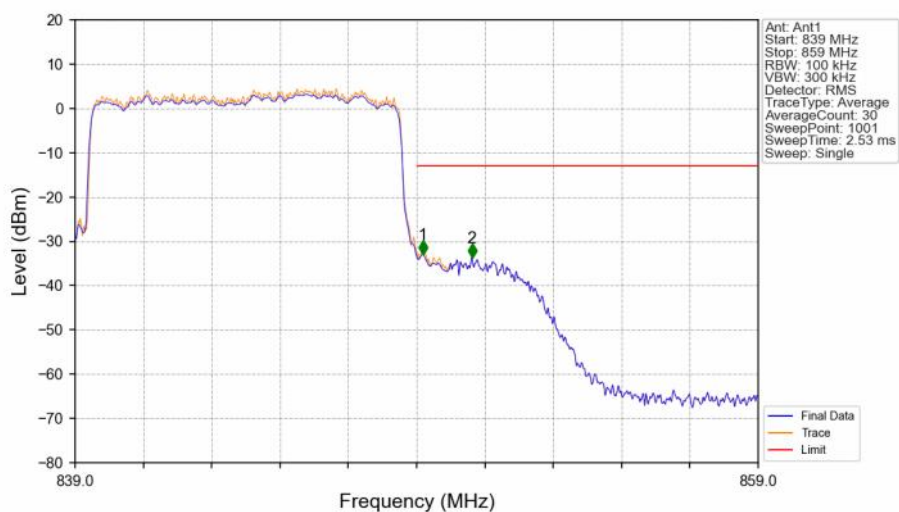


Band5 10MHz QPSK HCH 844MHz RB 1 49 NTNV

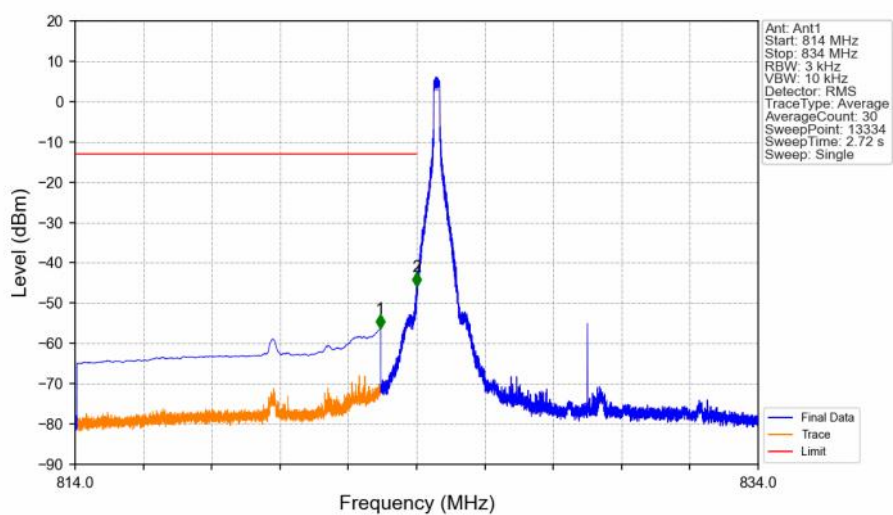


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.028	-44.19	-13	Pass
850	859	0.1	CHP	2	850.051	-56.11	-13	Pass

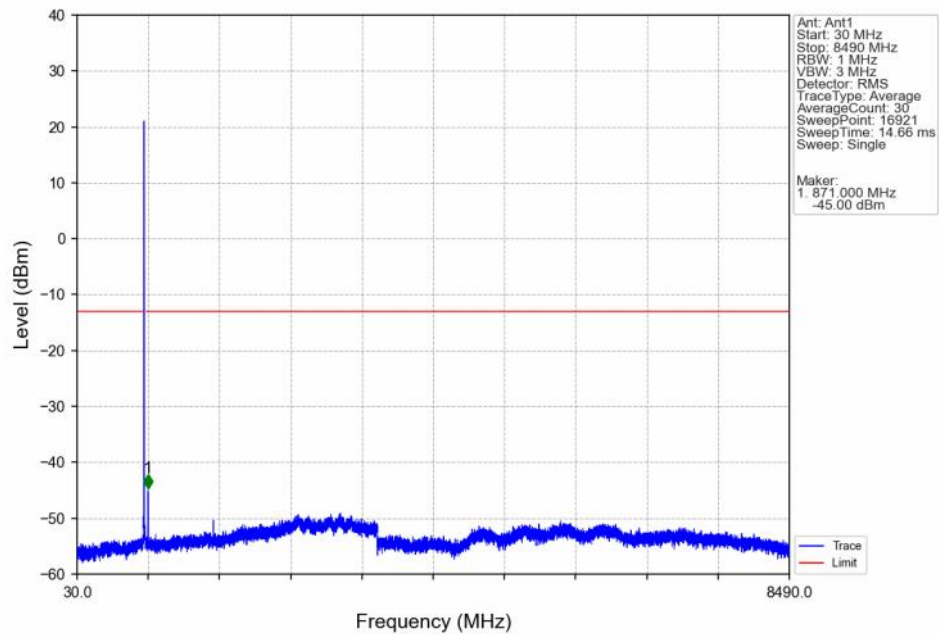
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



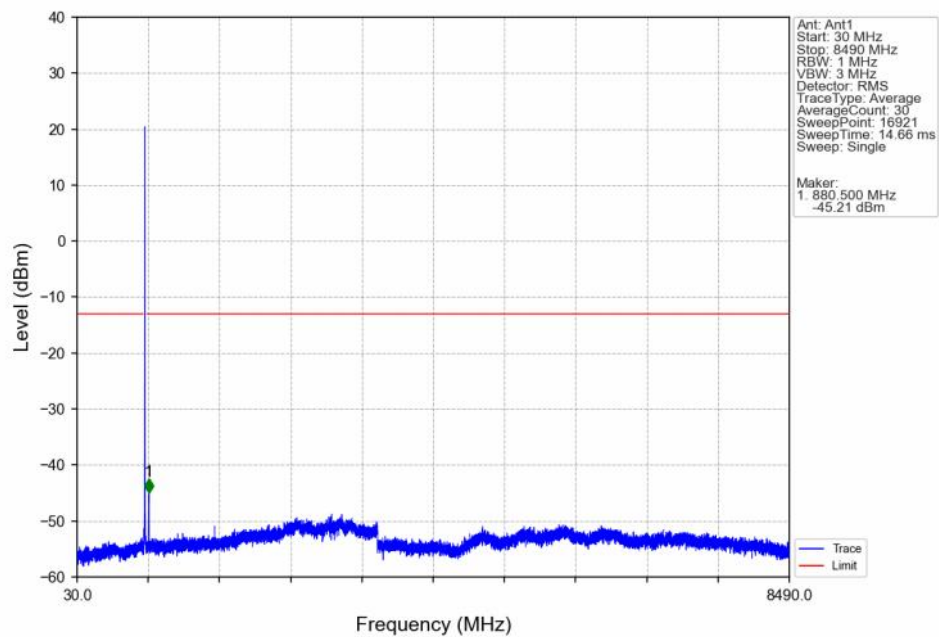
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



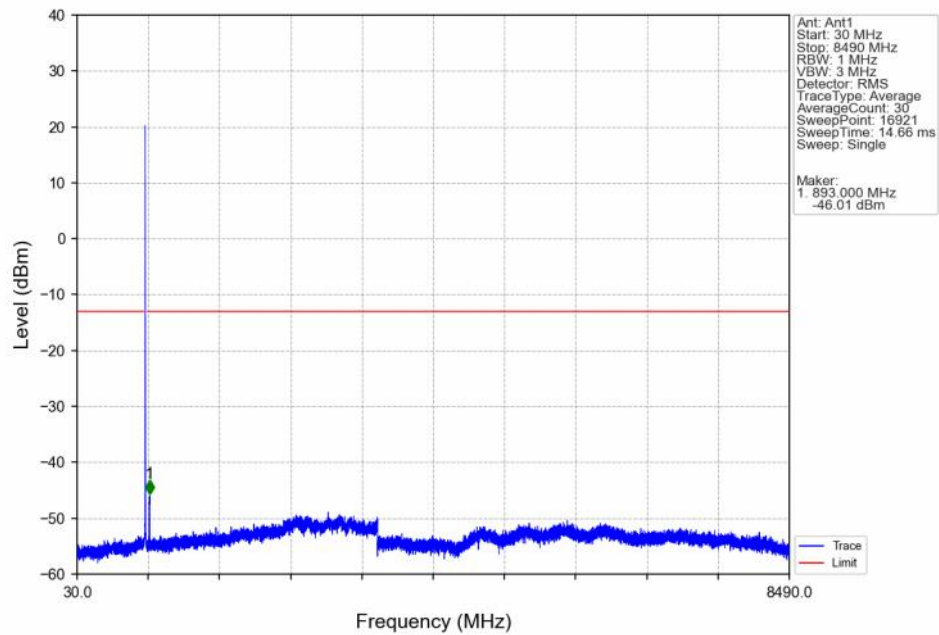
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



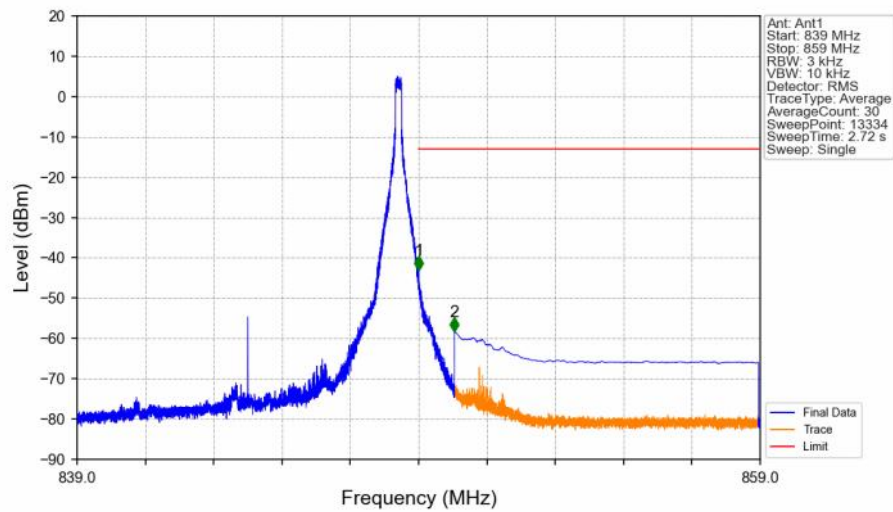
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.003	/	1	849.004	-43.07	-13	Pass
849	850	0.003	/	2	850.051	-58.22	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	1.4	824.7	848.3	0.0343	0.0235	ppm	1M30G7D	22H	15.35
5	1.4	824.7	848.3	0.0277	0.0033	ppm	1M15W7D	22H	14.43
5	3	825.5	847.5	0.0364	0.0026	ppm	2M75G7D	22H	15.61
5	3	825.5	847.5	0.0294	0.0025	ppm	2M75W7D	22H	14.68
5	5	826.5	846.5	0.0363	0.0044	ppm	4M58G7D	22H	15.60
5	5	826.5	846.5	0.0294	0.0017	ppm	4M58W7D	22H	14.69
5	10	829	844	0.0361	0.0013	ppm	9M09G7D	22H	15.58
5	10	829	844	0.1524	0.0024	ppm	29M7W7D	22H	21.83

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
5	1.4	824.7	848.3	0.0224	0.0235	ppm	1M30G7D	22H	13.50
5	1.4	824.7	848.3	0.0181	0.0033	ppm	1M15W7D	22H	12.58
5	3	825.5	847.5	0.0238	0.0026	ppm	2M75G7D	22H	13.76
5	3	825.5	847.5	0.0192	0.0025	ppm	2M75W7D	22H	12.83
5	5	826.5	846.5	0.0237	0.0044	ppm	4M58G7D	22H	13.75
5	5	826.5	846.5	0.0192	0.0017	ppm	4M58W7D	22H	12.84
5	10	829	844	0.0236	0.0013	ppm	9M09G7D	22H	13.73
5	10	829	844	0.0995	0.0024	ppm	29M7W7D	22H	19.98