

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	824.7	1	0	22.66	-0.76	19.75	<=38.45	Pass
			2	22.73	-0.76	19.82	<=38.45	Pass
			5	22.62	-0.76	19.71	<=38.45	Pass
		3	0	22.66	-0.76	19.75	<=38.45	Pass
			2	22.71	-0.76	19.80	<=38.45	Pass
			3	22.67	-0.76	19.76	<=38.45	Pass
		6	0	21.72	-0.76	18.81	<=38.45	Pass
	836.5	1	0	22.72	-0.76	19.81	<=38.45	Pass
			2	22.80	-0.76	19.89	<=38.45	Pass
			5	22.70	-0.76	19.79	<=38.45	Pass
		3	0	22.82	-0.76	19.91	<=38.45	Pass
			2	22.82	-0.76	19.91	<=38.45	Pass
			3	22.82	-0.76	19.91	<=38.45	Pass
		6	0	21.77	-0.76	18.86	<=38.45	Pass
	848.3	1	0	22.68	-0.76	19.77	<=38.45	Pass
			2	22.83	-0.76	19.92	<=38.45	Pass
			5	22.70	-0.76	19.79	<=38.45	Pass
		3	0	22.79	-0.76	19.88	<=38.45	Pass
			2	22.81	-0.76	19.90	<=38.45	Pass
			3	22.75	-0.76	19.84	<=38.45	Pass
		6	0	21.80	-0.76	18.89	<=38.45	Pass
16QAM	824.7	1	0	21.76	-0.76	18.85	<=38.45	Pass
			2	21.87	-0.76	18.96	<=38.45	Pass
			5	21.77	-0.76	18.86	<=38.45	Pass
		3	0	21.62	-0.76	18.71	<=38.45	Pass
			2	21.66	-0.76	18.75	<=38.45	Pass
			3	21.66	-0.76	18.75	<=38.45	Pass
		6	0	20.70	-0.76	17.79	<=38.45	Pass
	836.5	1	0	21.70	-0.76	18.79	<=38.45	Pass
			2	21.83	-0.76	18.92	<=38.45	Pass
			5	21.72	-0.76	18.81	<=38.45	Pass
		3	0	21.99	-0.76	19.08	<=38.45	Pass
			2	22.04	-0.76	19.13	<=38.45	Pass
			3	22.00	-0.76	19.09	<=38.45	Pass
		6	0	20.82	-0.76	17.91	<=38.45	Pass
	848.3	1	0	21.68	-0.76	18.77	<=38.45	Pass
			2	21.79	-0.76	18.88	<=38.45	Pass
			5	21.76	-0.76	18.85	<=38.45	Pass
		3	0	21.77	-0.76	18.86	<=38.45	Pass
			2	21.80	-0.76	18.89	<=38.45	Pass
			3	21.79	-0.76	18.88	<=38.45	Pass
		6	0	20.69	-0.76	17.78	<=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	22.55	-0.76	19.64	<=38.45	Pass	
			7	22.67	-0.76	19.76	<=38.45	Pass	
			14	22.59	-0.76	19.68	<=38.45	Pass	
		8	0	21.52	-0.76	18.61	<=38.45	Pass	
			4	21.60	-0.76	18.69	<=38.45	Pass	
			7	21.55	-0.76	18.64	<=38.45	Pass	
		15	0	21.49	-0.76	18.58	<=38.45	Pass	
		836.5	1	0	22.64	-0.76	19.73	<=38.45	Pass
				7	22.78	-0.76	19.87	<=38.45	Pass
	14			22.64	-0.76	19.73	<=38.45	Pass	
	8		0	21.69	-0.76	18.78	<=38.45	Pass	
			4	21.70	-0.76	18.79	<=38.45	Pass	
			7	21.63	-0.76	18.72	<=38.45	Pass	
	15	0	21.59	-0.76	18.68	<=38.45	Pass		
	847.5	1	0	22.03	-0.76	19.12	<=38.45	Pass	
			7	22.20	-0.76	19.29	<=38.45	Pass	
			14	22.05	-0.76	19.14	<=38.45	Pass	
		8	0	21.13	-0.76	18.22	<=38.45	Pass	
			4	21.14	-0.76	18.23	<=38.45	Pass	
			7	21.10	-0.76	18.19	<=38.45	Pass	
		15	0	21.13	-0.76	18.22	<=38.45	Pass	
16QAM		825.5	1	0	21.58	-0.76	18.67	<=38.45	Pass
				7	21.70	-0.76	18.79	<=38.45	Pass
	14			21.55	-0.76	18.64	<=38.45	Pass	
	8		0	20.55	-0.76	17.64	<=38.45	Pass	
			4	20.65	-0.76	17.74	<=38.45	Pass	
			7	20.58	-0.76	17.67	<=38.45	Pass	
	15		0	20.50	-0.76	17.59	<=38.45	Pass	
	836.5	1	0	21.77	-0.76	18.86	<=38.45	Pass	
			7	21.71	-0.76	18.80	<=38.45	Pass	
			14	21.43	-0.76	18.52	<=38.45	Pass	
		8	0	20.42	-0.76	17.51	<=38.45	Pass	
			4	20.27	-0.76	17.36	<=38.45	Pass	
			7	20.32	-0.76	17.41	<=38.45	Pass	
	15	0	20.20	-0.76	17.29	<=38.45	Pass		
	847.5	1	0	21.60	-0.76	18.69	<=38.45	Pass	
			7	21.73	-0.76	18.82	<=38.45	Pass	
			14	21.54	-0.76	18.63	<=38.45	Pass	
		8	0	20.24	-0.76	17.33	<=38.45	Pass	
			4	20.32	-0.76	17.41	<=38.45	Pass	
			7	20.23	-0.76	17.32	<=38.45	Pass	
		15	0	20.17	-0.76	17.26	<=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	21.83	-0.76	18.92	<=38.45	Pass
			13	22.00	-0.76	19.09	<=38.45	Pass
			24	21.87	-0.76	18.96	<=38.45	Pass
		12	0	20.91	-0.76	18.00	<=38.45	Pass
			6	20.99	-0.76	18.08	<=38.45	Pass
			13	21.01	-0.76	18.10	<=38.45	Pass

		25	0	20.91	-0.76	18.00	<=38.45	Pass
	836.5	1	0	21.95	-0.76	19.04	<=38.45	Pass
			13	22.08	-0.76	19.17	<=38.45	Pass
			24	21.96	-0.76	19.05	<=38.45	Pass
			0	21.06	-0.76	18.15	<=38.45	Pass
		12	6	21.11	-0.76	18.20	<=38.45	Pass
			13	21.04	-0.76	18.13	<=38.45	Pass
			25	0	21.09	-0.76	18.18	<=38.45
	846.5	1	0	21.96	-0.76	19.05	<=38.45	Pass
			13	22.04	-0.76	19.13	<=38.45	Pass
			24	21.88	-0.76	18.97	<=38.45	Pass
			0	21.02	-0.76	18.11	<=38.45	Pass
		12	6	21.02	-0.76	18.11	<=38.45	Pass
			13	20.92	-0.76	18.01	<=38.45	Pass
			25	0	20.94	-0.76	18.03	<=38.45
16QAM	826.5	1	0	20.92	-0.76	18.01	<=38.45	Pass
			13	21.03	-0.76	18.12	<=38.45	Pass
			24	21.00	-0.76	18.09	<=38.45	Pass
			0	19.83	-0.76	16.92	<=38.45	Pass
		12	6	19.96	-0.76	17.05	<=38.45	Pass
			13	19.98	-0.76	17.07	<=38.45	Pass
			25	0	19.96	-0.76	17.05	<=38.45
	836.5	1	0	21.25	-0.76	18.34	<=38.45	Pass
			13	21.36	-0.76	18.45	<=38.45	Pass
			24	21.24	-0.76	18.33	<=38.45	Pass
			0	20.10	-0.76	17.19	<=38.45	Pass
		12	6	20.11	-0.76	17.20	<=38.45	Pass
			13	20.06	-0.76	17.15	<=38.45	Pass
			25	0	20.05	-0.76	17.14	<=38.45
	846.5	1	0	20.82	-0.76	17.91	<=38.45	Pass
			13	20.88	-0.76	17.97	<=38.45	Pass
			24	20.76	-0.76	17.85	<=38.45	Pass
			0	19.95	-0.76	17.04	<=38.45	Pass
		12	6	19.98	-0.76	17.07	<=38.45	Pass
			13	19.87	-0.76	16.96	<=38.45	Pass
			25	0	19.98	-0.76	17.07	<=38.45
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	21.81	-0.76	18.90	<=38.45	Pass
			25	22.02	-0.76	19.11	<=38.45	Pass
			49	21.97	-0.76	19.06	<=38.45	Pass
		25	0	20.90	-0.76	17.99	<=38.45	Pass
			13	20.91	-0.76	18.00	<=38.45	Pass
			25	20.91	-0.76	18.00	<=38.45	Pass
		50	0	20.89	-0.76	17.98	<=38.45	Pass
	836.5	1	0	21.91	-0.76	19.00	<=38.45	Pass
			25	22.09	-0.76	19.18	<=38.45	Pass
			49	22.00	-0.76	19.09	<=38.45	Pass
		25	0	21.09	-0.76	18.18	<=38.45	Pass
			13	21.03	-0.76	18.12	<=38.45	Pass
			25	21.06	-0.76	18.15	<=38.45	Pass
		50	0	21.07	-0.76	18.16	<=38.45	Pass

16QAM	844	1	0	21.99	-0.76	19.08	<=38.45	Pass
			25	22.08	-0.76	19.17	<=38.45	Pass
			49	21.96	-0.76	19.05	<=38.45	Pass
		25	0	21.08	-0.76	18.17	<=38.45	Pass
			13	21.01	-0.76	18.10	<=38.45	Pass
			25	20.99	-0.76	18.08	<=38.45	Pass
		50	0	20.99	-0.76	18.08	<=38.45	Pass
	829	1	0	20.81	-0.76	17.90	<=38.45	Pass
			25	21.04	-0.76	18.13	<=38.45	Pass
			49	21.00	-0.76	18.09	<=38.45	Pass
		25	0	19.98	-0.76	17.07	<=38.45	Pass
			13	20.01	-0.76	17.10	<=38.45	Pass
			25	20.04	-0.76	17.13	<=38.45	Pass
		50	0	19.92	-0.76	17.01	<=38.45	Pass
	836.5	1	0	21.13	-0.76	18.22	<=38.45	Pass
			25	21.28	-0.76	18.37	<=38.45	Pass
			49	21.13	-0.76	18.22	<=38.45	Pass
		25	0	20.07	-0.76	17.16	<=38.45	Pass
			13	20.07	-0.76	17.16	<=38.45	Pass
			25	20.11	-0.76	17.20	<=38.45	Pass
		50	0	20.06	-0.76	17.15	<=38.45	Pass
	844	1	0	21.46	-0.76	18.55	<=38.45	Pass
			25	21.65	-0.76	18.74	<=38.45	Pass
			49	21.55	-0.76	18.64	<=38.45	Pass
		25	0	20.11	-0.76	17.20	<=38.45	Pass
			13	20.09	-0.76	17.18	<=38.45	Pass
			25	20.00	-0.76	17.09	<=38.45	Pass
		50	0	20.00	-0.76	17.09	<=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	-2.789	-0.0034	-2.5 to 2.5	Pass
					3.85	-2.046	-0.0025	-2.5 to 2.5	Pass
					4.43	-3.734	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-20.199	-0.0245	-2.5 to 2.5	Pass
				-20	3.85	-6.194	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-6.709	-0.0081	-2.5 to 2.5	Pass
				0	3.85	-7.110	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-4.520	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-3.777	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-9.212	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-7.553	-0.0092	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-3.033	-0.0036	-2.5 to 2.5	Pass
					3.85	-3.862	-0.0046	-2.5 to 2.5	Pass
					4.43	-9.542	-0.0114	-2.5 to 2.5	Pass
				-30	3.85	-6.824	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-5.550	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	-11.802	-0.0141	-2.5 to 2.5	Pass

				0	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-4.320	-0.0052	-2.5 to 2.5	Pass
				30	3.85	1.616	0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.811	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-4.878	-0.0058	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-3.519	-0.0041	-2.5 to 2.5	Pass
					3.85	-7.210	-0.0085	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-8.125	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-6.180	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-8.268	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-4.263	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-2.704	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-6.137	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-4.478	-0.0053	-2.5 to 2.5	Pass
16QAM	824.7	6	0	20	3.27	-0.043	-0.0001	-2.5 to 2.5	Pass
					3.85	0.014	0.0000	-2.5 to 2.5	Pass
					4.43	0.472	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-2.847	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-13.433	-0.0163	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-5.622	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-7.825	-0.0095	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-3.920	-0.0047	-2.5 to 2.5	Pass
					3.85	-8.125	-0.0097	-2.5 to 2.5	Pass
					4.43	-5.507	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-9.599	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-2.146	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.665	-0.0068	-2.5 to 2.5	Pass
				0	3.85	-4.320	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-5.651	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-9.456	-0.0113	-2.5 to 2.5	Pass
				50	3.85	-7.138	-0.0085	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	-7.181	-0.0085	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0051	-2.5 to 2.5	Pass
					4.43	-9.770	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-0.901	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.047	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-6.623	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-8.469	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-4.907	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-1.230	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.136	-0.0061	-2.5 to 2.5	Pass

2.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	825.5	15	0	20	3.27	-6.423	-0.0078	-2.5 to 2.5	Pass
					3.85	-6.194	-0.0075	-2.5 to 2.5	Pass

					4.43	-3.719	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-7.367	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-4.120	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-8.454	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-7.982	-0.0097	-2.5 to 2.5	Pass
				10	3.85	-5.951	-0.0072	-2.5 to 2.5	Pass
				30	3.85	-4.449	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-9.856	-0.0119	-2.5 to 2.5	Pass
				50	3.85	-8.268	-0.0100	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-1.330	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.619	-0.0043	-2.5 to 2.5	Pass
					4.43	-5.479	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-4.392	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-1.488	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-9.499	-0.0114	-2.5 to 2.5	Pass
				10	3.85	-8.540	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-3.505	-0.0042	-2.5 to 2.5	Pass
	40	3.85	-6.423	-0.0077	-2.5 to 2.5	Pass			
	50	3.85	-7.410	-0.0089	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-7.782	-0.0092	-2.5 to 2.5	Pass
					3.85	-1.645	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.191	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-6.323	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-6.037	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0007	-2.5 to 2.5	Pass
				0	3.85	-10.815	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-9.027	-0.0107	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0004	-2.5 to 2.5	Pass
	40	3.85	-1.144	-0.0013	-2.5 to 2.5	Pass			
50	3.85	-5.064	-0.0060	-2.5 to 2.5	Pass				
16QAM	825.5	15	0	20	3.27	-6.852	-0.0083	-2.5 to 2.5	Pass
					3.85	-10.829	-0.0131	-2.5 to 2.5	Pass
					4.43	-6.509	-0.0079	-2.5 to 2.5	Pass
				-30	3.85	-8.054	-0.0098	-2.5 to 2.5	Pass
				-20	3.85	-3.591	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-8.268	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-5.436	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-10.099	-0.0122	-2.5 to 2.5	Pass
				30	3.85	-6.824	-0.0083	-2.5 to 2.5	Pass
				40	3.85	-9.284	-0.0112	-2.5 to 2.5	Pass
				50	3.85	-5.507	-0.0067	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-9.656	-0.0115	-2.5 to 2.5	Pass
					3.85	-5.693	-0.0068	-2.5 to 2.5	Pass
					4.43	-4.778	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-5.822	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-2.203	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.193	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-6.166	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-7.067	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-6.394	-0.0076	-2.5 to 2.5	Pass
	40	3.85	-3.061	-0.0037	-2.5 to 2.5	Pass			
	50	3.85	-4.349	-0.0052	-2.5 to 2.5	Pass			
	847.5	15	0	20	3.27	-5.393	-0.0064	-2.5 to 2.5	Pass
					3.85	-6.981	-0.0082	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.532	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-11.516	-0.0136	-2.5 to 2.5	Pass
-10				3.85	0.315	0.0004	-2.5 to 2.5	Pass	

				0	3.85	-9.871	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-2.031	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-4.392	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-4.663	-0.0055	-2.5 to 2.5	Pass
				50	3.85	-10.586	-0.0125	-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	-5.593	-0.0068	-2.5 to 2.5	Pass
					3.85	-3.862	-0.0047	-2.5 to 2.5	Pass
					4.43	-6.924	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-5.236	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-6.738	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-8.554	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-7.124	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-7.610	-0.0092	-2.5 to 2.5	Pass
				40	3.85	-0.958	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-10.958	-0.0133	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-10.643	-0.0127	-2.5 to 2.5	Pass
					3.85	-6.251	-0.0075	-2.5 to 2.5	Pass
					4.43	-5.193	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-7.396	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0083	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0049	-2.5 to 2.5	Pass
				0	3.85	-9.227	-0.0110	-2.5 to 2.5	Pass
				10	3.85	-5.422	-0.0065	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-2.832	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-7.782	-0.0093	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-5.465	-0.0065	-2.5 to 2.5	Pass
					3.85	-3.090	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.094	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-4.292	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-4.163	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-7.939	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-4.835	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-0.887	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-6.266	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-4.220	-0.0050	-2.5 to 2.5	Pass
16QAM	826.5	25	0	20	3.27	-0.873	-0.0011	-2.5 to 2.5	Pass
					3.85	-8.841	-0.0107	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-10.915	-0.0132	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-2.503	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-4.177	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-6.523	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-8.826	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-2.575	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-1.988	-0.0024	-2.5 to 2.5	Pass
	836.5	25	0	20	3.27	-1.860	-0.0022	-2.5 to 2.5	Pass
					3.85	-7.768	-0.0093	-2.5 to 2.5	Pass

					4.43	-3.448	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-8.612	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-4.778	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-4.835	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-10.700	-0.0128	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-9.599	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-6.580	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-5.736	-0.0069	-2.5 to 2.5	Pass
	846.5	25	0	20	3.27	-3.762	-0.0044	-2.5 to 2.5	Pass
					3.85	-7.510	-0.0089	-2.5 to 2.5	Pass
					4.43	-4.392	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-5.293	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	-4.277	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-6.495	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.965	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-9.112	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-5.951	-0.0070	-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	-8.225	-0.0099	-2.5 to 2.5	Pass
					3.85	-6.180	-0.0075	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0102	-2.5 to 2.5	Pass
				-30	3.85	-5.178	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.078	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-6.137	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-4.606	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-4.005	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-9.141	-0.0110	-2.5 to 2.5	Pass
	836.5	50	0	50	3.85	-4.563	-0.0055	-2.5 to 2.5	Pass
				20	3.27	-5.894	-0.0070	-2.5 to 2.5	Pass
					3.85	-3.591	-0.0043	-2.5 to 2.5	Pass
					4.43	-3.877	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-9.041	-0.0108	-2.5 to 2.5	Pass
				-20	3.85	-6.351	-0.0076	-2.5 to 2.5	Pass
				-10	3.85	-11.988	-0.0143	-2.5 to 2.5	Pass
				0	3.85	-3.791	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-5.879	-0.0070	-2.5 to 2.5	Pass
				30	3.85	-4.377	-0.0052	-2.5 to 2.5	Pass
	844	50	0	40	3.85	-4.907	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-6.223	-0.0074	-2.5 to 2.5	Pass
				20	3.27	-9.427	-0.0112	-2.5 to 2.5	Pass
					3.85	-5.193	-0.0062	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0054	-2.5 to 2.5	Pass
				-30	3.85	-7.167	-0.0085	-2.5 to 2.5	Pass
				-20	3.85	-5.836	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-8.554	-0.0101	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-6.938	-0.0082	-2.5 to 2.5	Pass
				30	3.85	-6.952	-0.0082	-2.5 to 2.5	Pass

				40	3.85	-4.292	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-4.621	-0.0055	-2.5 to 2.5	Pass
16QAM	829	50	0	20	3.27	-2.761	-0.0033	-2.5 to 2.5	Pass
					3.85	-6.208	-0.0075	-2.5 to 2.5	Pass
					4.43	-9.527	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-5.436	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-7.052	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-11.101	-0.0134	-2.5 to 2.5	Pass
				0	3.85	-6.680	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-3.533	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-5.178	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-7.725	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-9.255	-0.0112	-2.5 to 2.5	Pass
	836.5	50	0	20	3.27	-4.721	-0.0056	-2.5 to 2.5	Pass
					3.85	-3.376	-0.0040	-2.5 to 2.5	Pass
					4.43	-6.251	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-6.723	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-8.583	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-8.597	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0075	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-5.107	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-4.263	-0.0051	-2.5 to 2.5	Pass
	844	50	0	20	3.27	-3.562	-0.0042	-2.5 to 2.5	Pass
					3.85	-3.061	-0.0036	-2.5 to 2.5	Pass
					4.43	-4.978	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-8.383	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-2.775	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-7.067	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-5.693	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0073	-2.5 to 2.5	Pass
				30	3.85	-4.048	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-7.496	-0.0089	-2.5 to 2.5	Pass
				50	3.85	-4.492	-0.0053	-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 / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		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

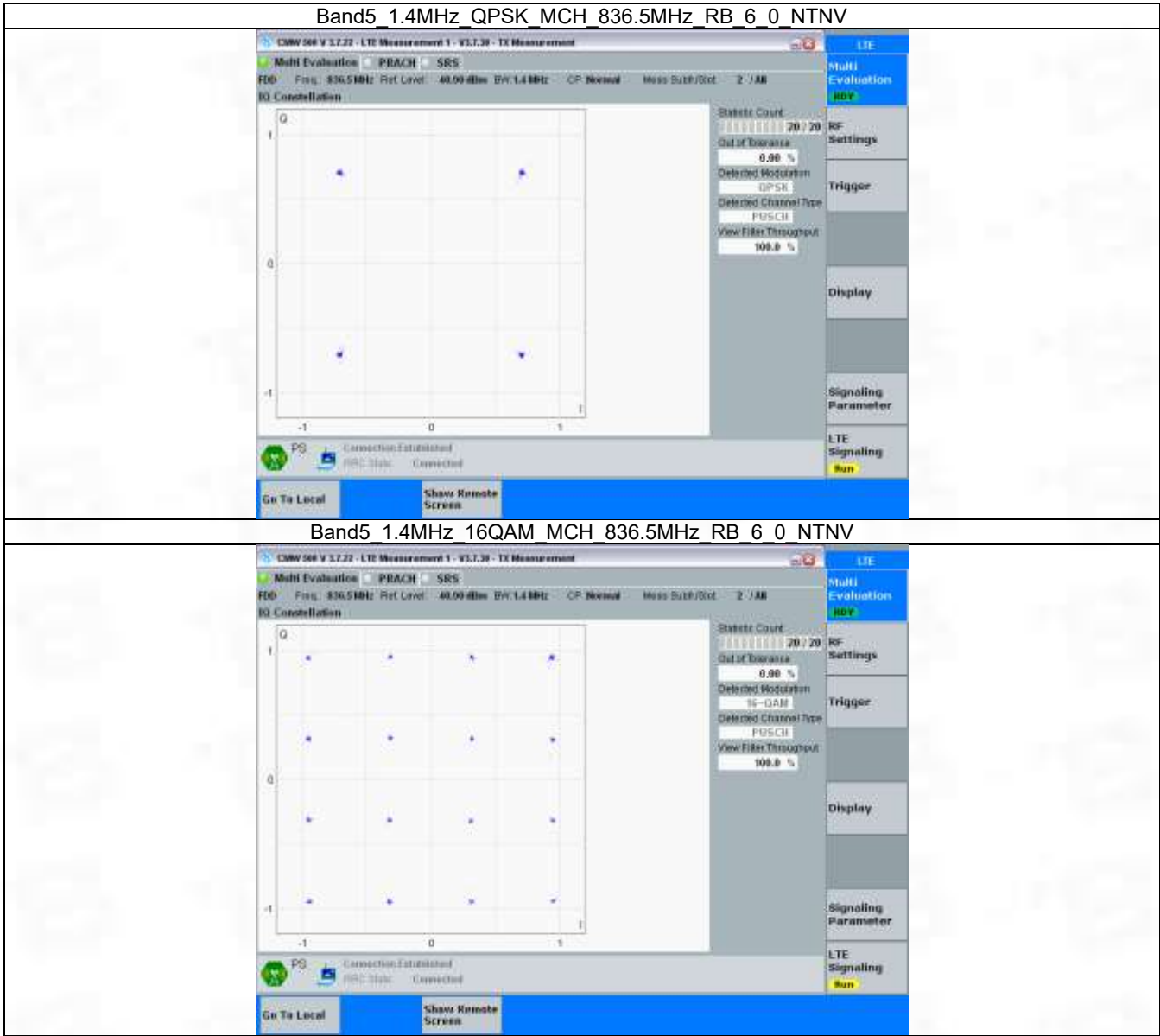
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	25	0	Refer To Test Graph		Pass
16QAM	836.5	25	0	Refer To Test Graph		Pass

3.1.4 B5_10MHz

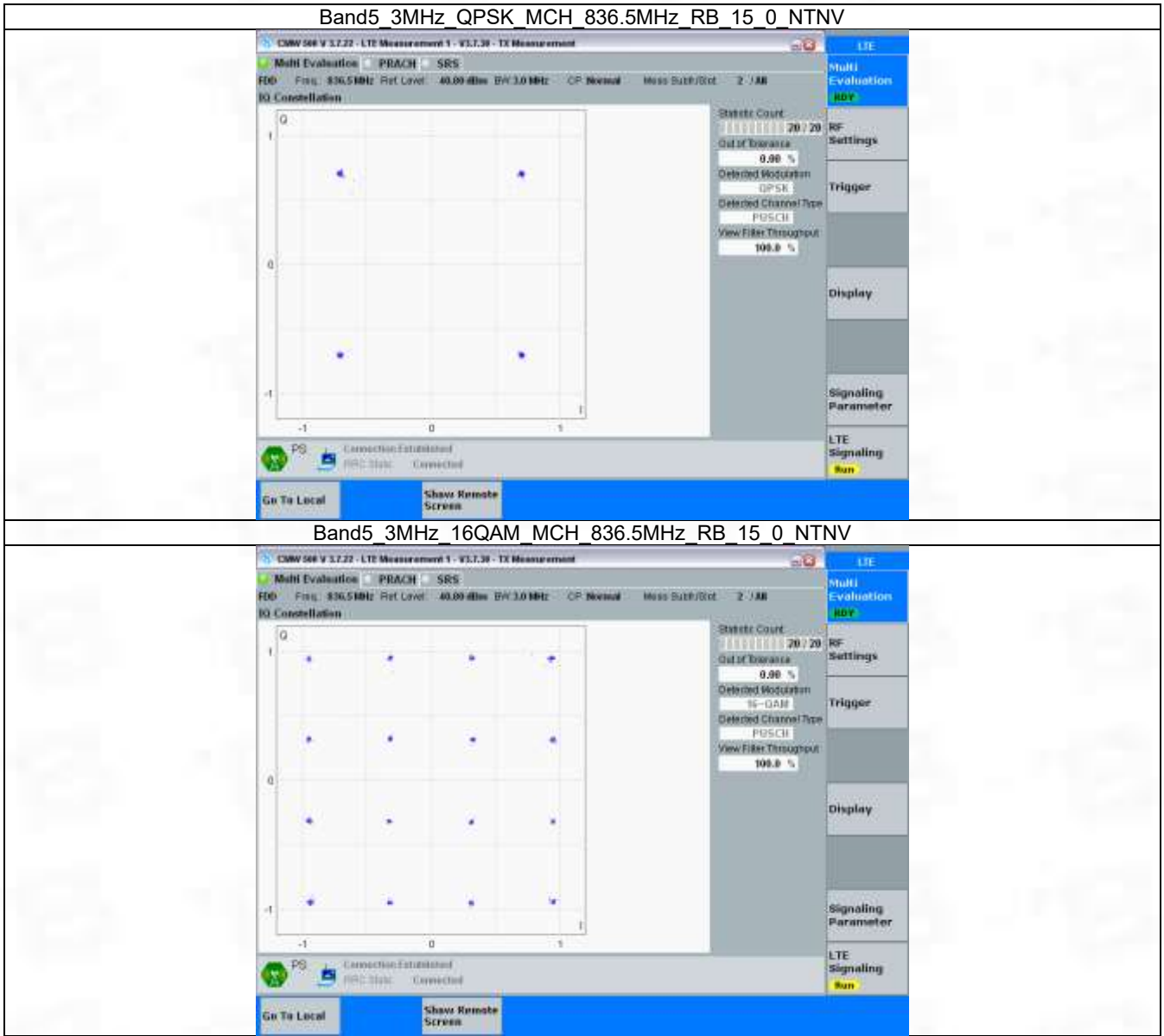
Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	836.5	50	0	Refer To Test Graph		Pass
16QAM	836.5	50	0	Refer To Test Graph		Pass

3.2 Test Graph

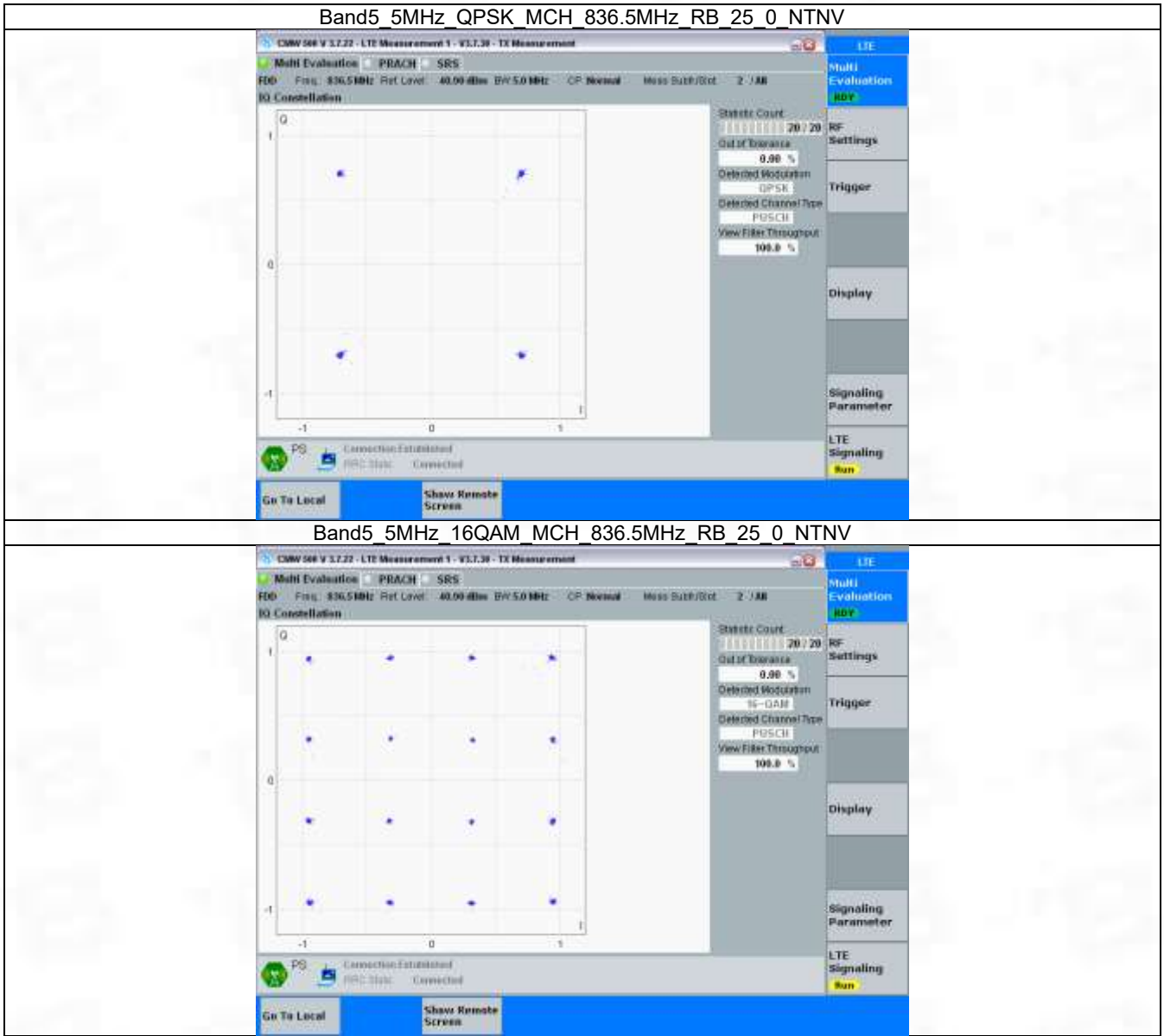
3.2.1 B5_1.4MHz



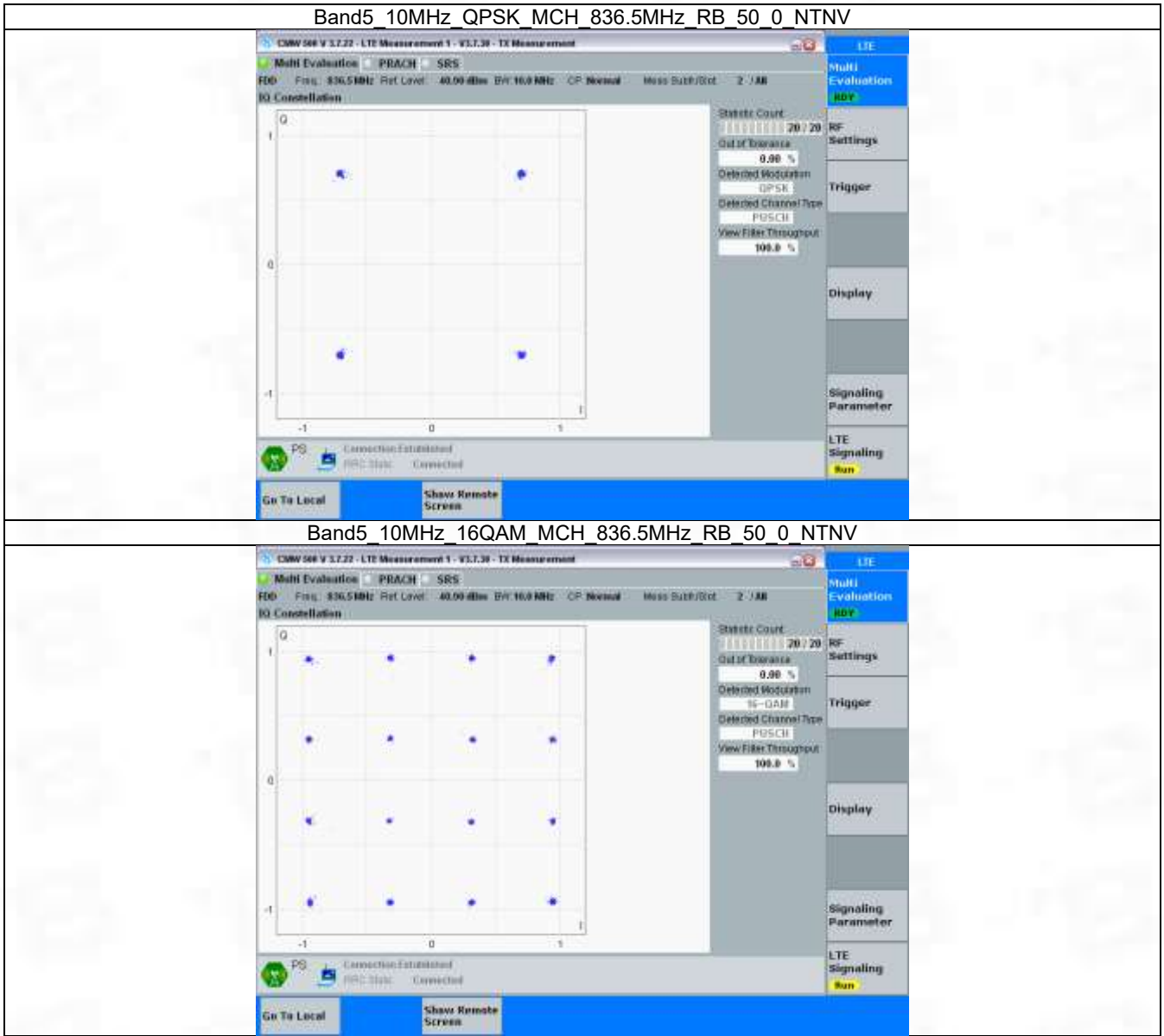
3.2.2 B5_3MHz



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	1.110	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.111	/	Pass
	16QAM	824.7	6	0	1.119	/	Pass
		836.5	6	0	1.109	/	Pass
		848.3	6	0	1.115	/	Pass
3	QPSK	825.5	15	0	2.736	/	Pass
		836.5	15	0	2.734	/	Pass
		847.5	15	0	2.722	/	Pass
	16QAM	825.5	15	0	2.720	/	Pass
		836.5	15	0	2.723	/	Pass
		847.5	15	0	2.716	/	Pass
5	QPSK	826.5	25	0	4.542	/	Pass
		836.5	25	0	4.534	/	Pass
		846.5	25	0	4.558	/	Pass
	16QAM	826.5	25	0	4.536	/	Pass
		836.5	25	0	4.546	/	Pass
		846.5	25	0	4.530	/	Pass
10	QPSK	829	50	0	9.051	/	Pass
		836.5	50	0	9.035	/	Pass
		844	50	0	9.057	/	Pass
	16QAM	829	50	0	9.050	/	Pass
		836.5	50	0	9.067	/	Pass
		844	50	0	9.047	/	Pass

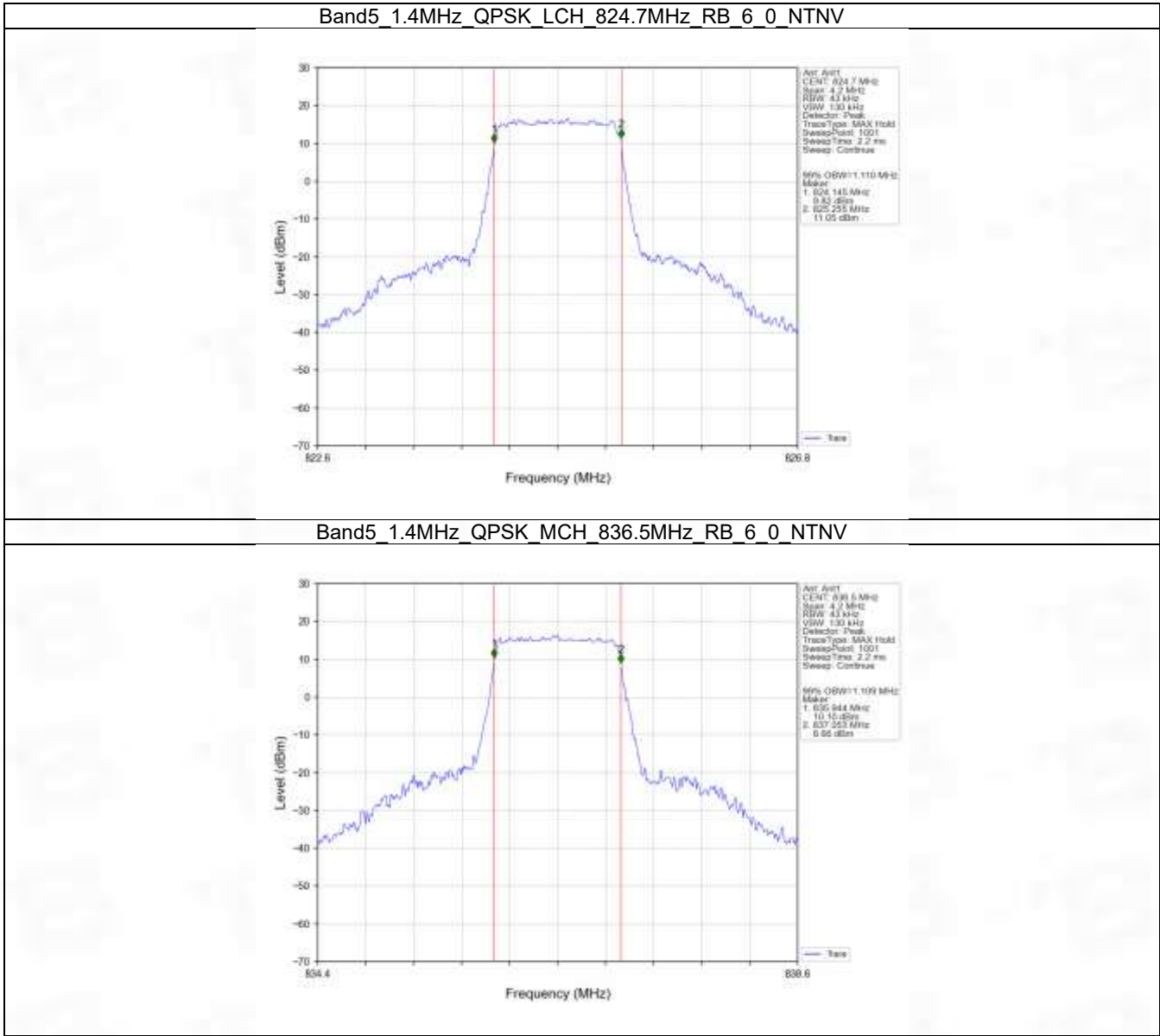
4.1.2 Band5_XDB

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	1.314	/	Pass
		836.5	6	0	1.316	/	Pass
		848.3	6	0	1.328	/	Pass
	16QAM	824.7	6	0	1.348	/	Pass
		836.5	6	0	1.313	/	Pass
		848.3	6	0	1.332	/	Pass
3	QPSK	825.5	15	0	3.003	/	Pass
		836.5	15	0	2.990	/	Pass
		847.5	15	0	3.000	/	Pass
	16QAM	825.5	15	0	3.099	/	Pass
		836.5	15	0	2.994	/	Pass
		847.5	15	0	2.980	/	Pass
5	QPSK	826.5	25	0	5.012	/	Pass
		836.5	25	0	5.018	/	Pass
		846.5	25	0	5.007	/	Pass

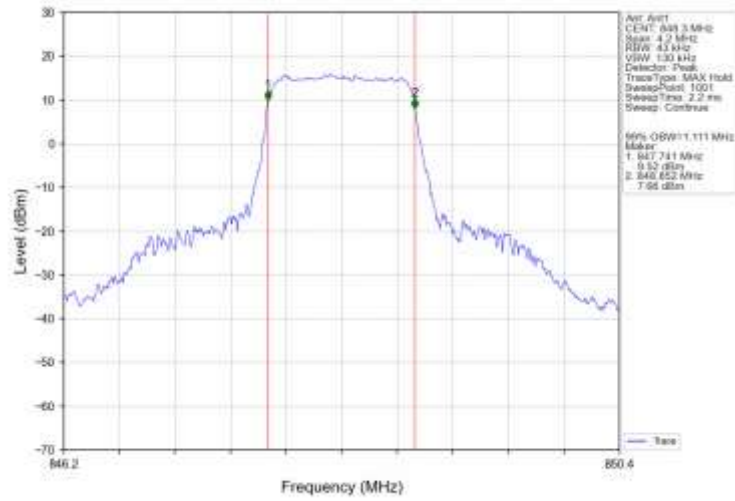
	16QAM	826.5	25	0	5.070	/	Pass
		836.5	25	0	4.998	/	Pass
		846.5	25	0	4.986	/	Pass
10	QPSK	829	50	0	9.882	/	Pass
		836.5	50	0	9.888	/	Pass
		844	50	0	9.991	/	Pass
	16QAM	829	50	0	9.916	/	Pass
		836.5	50	0	9.920	/	Pass
		844	50	0	9.878	/	Pass

4.2 Test Graph

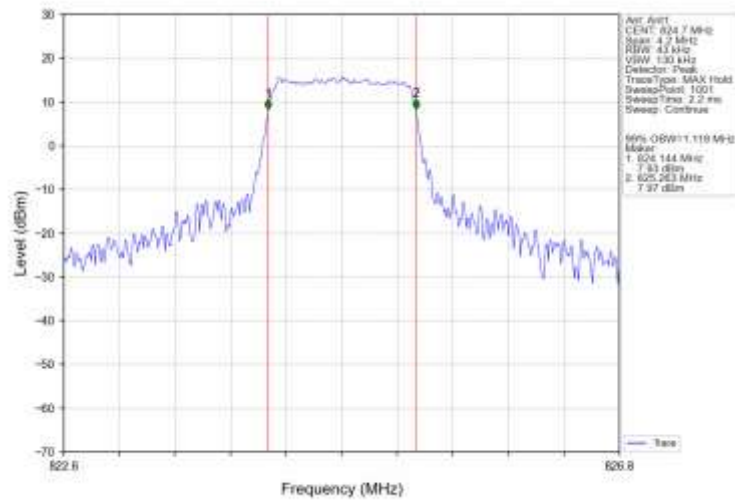
4.2.1 Band5_OBW



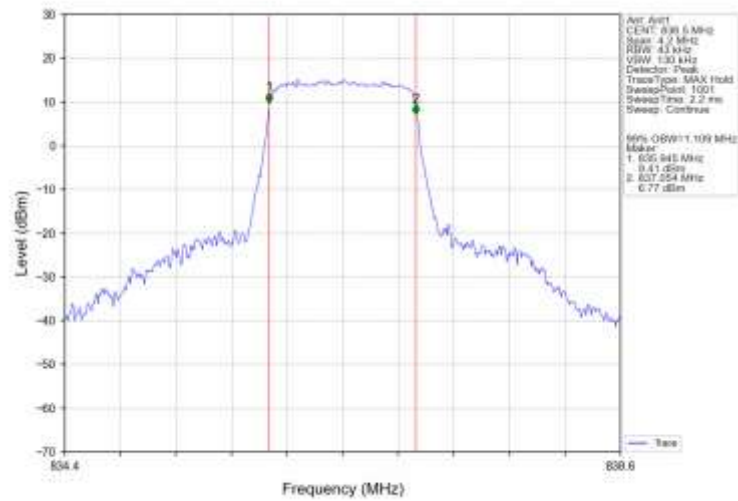
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



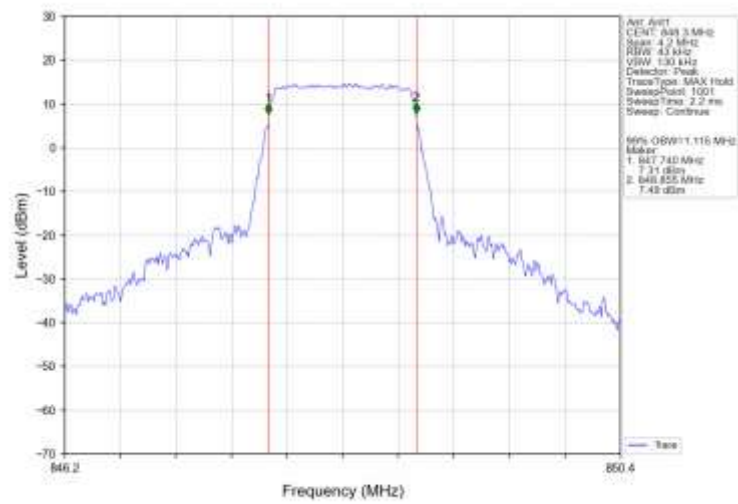
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



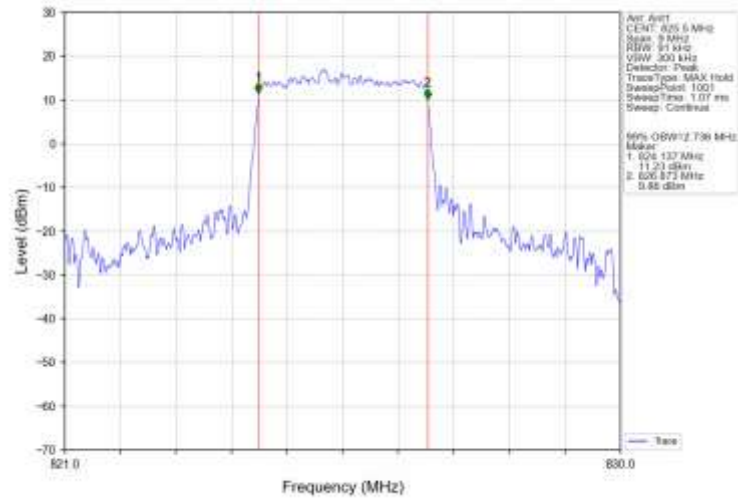
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTV



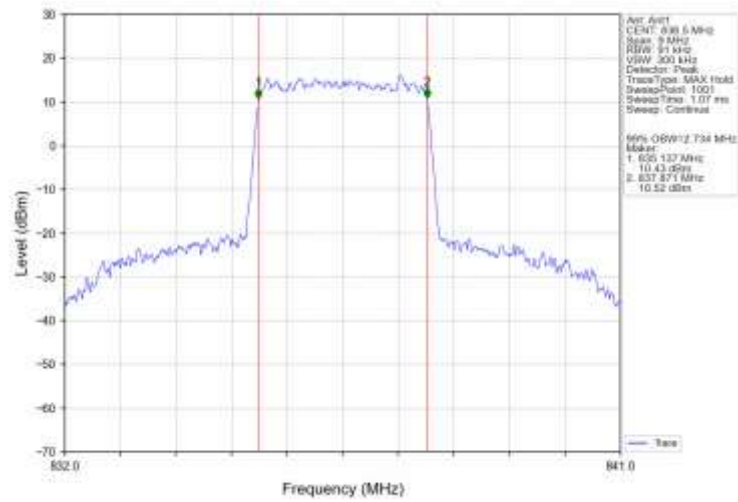
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTV



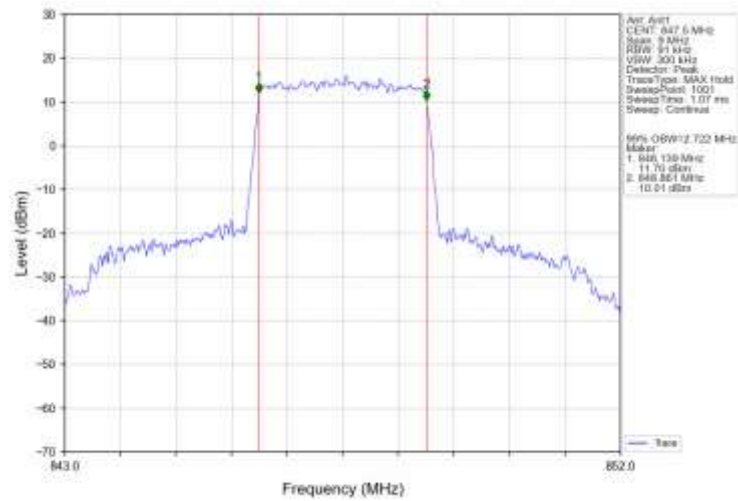
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



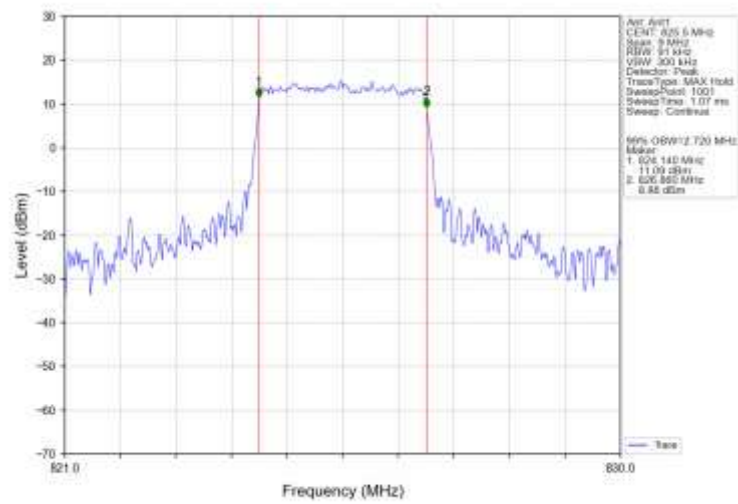
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



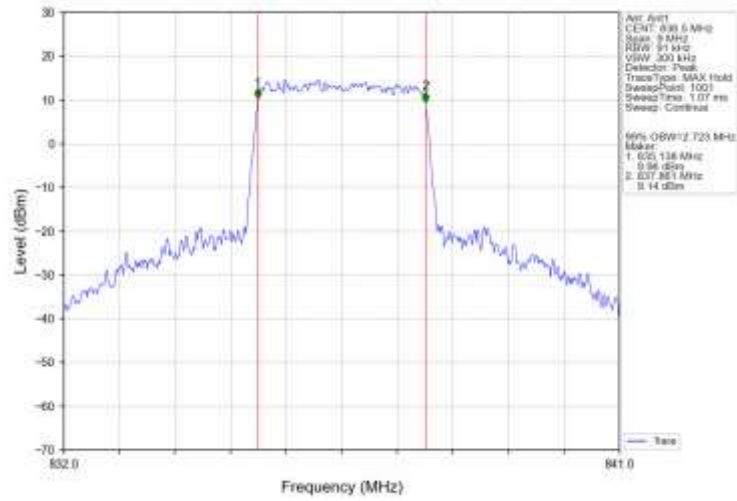
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



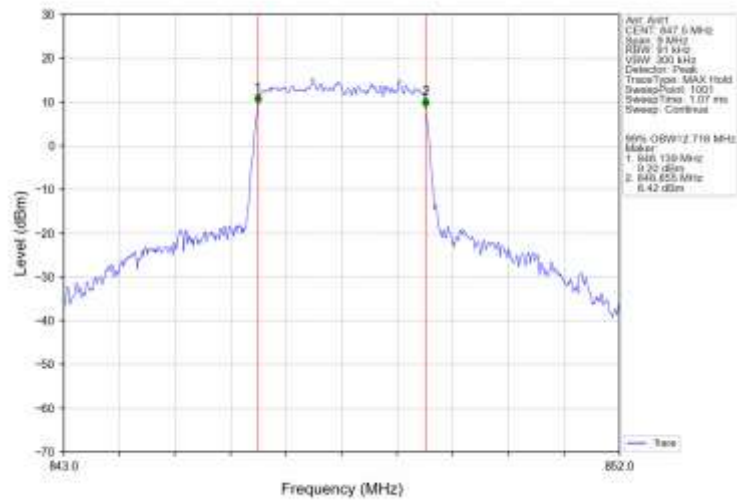
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



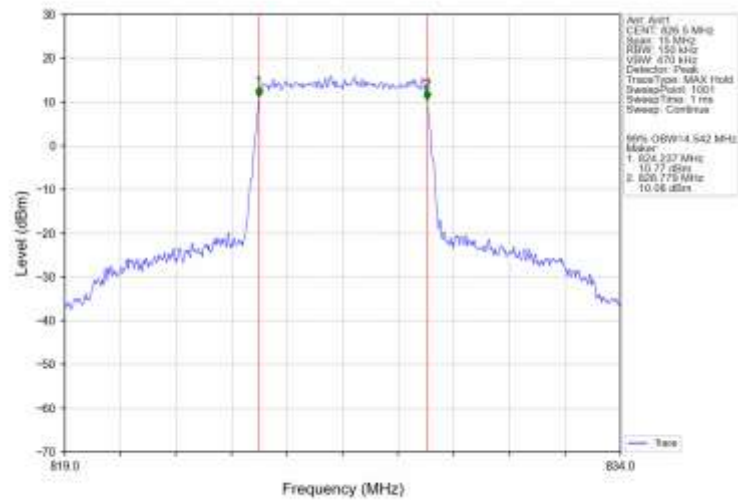
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



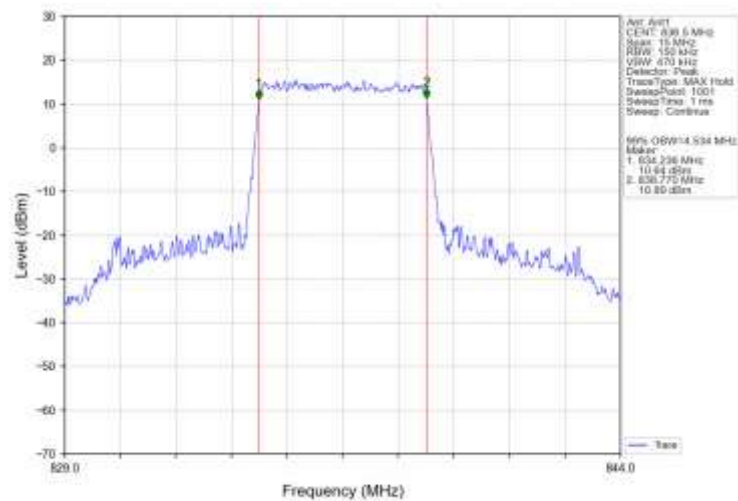
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



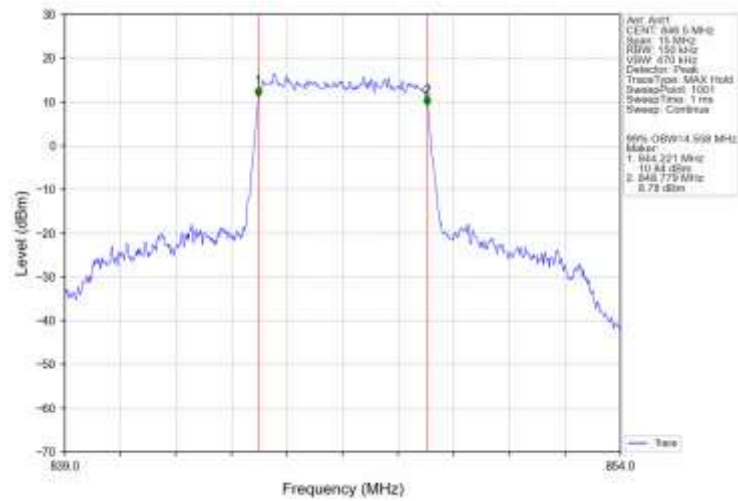
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



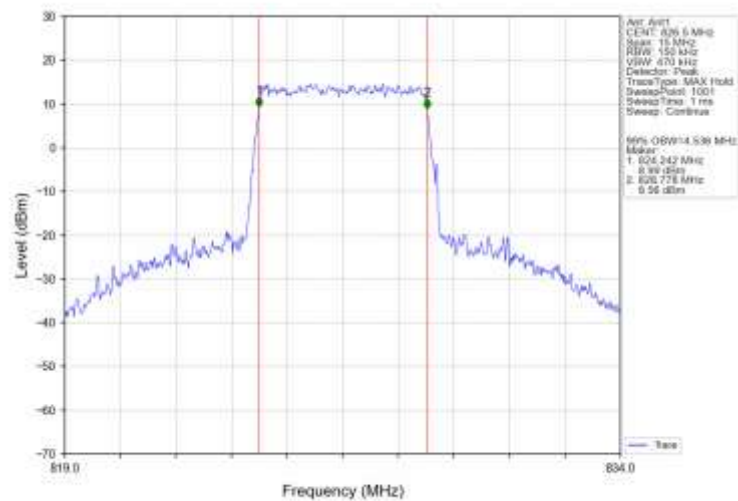
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



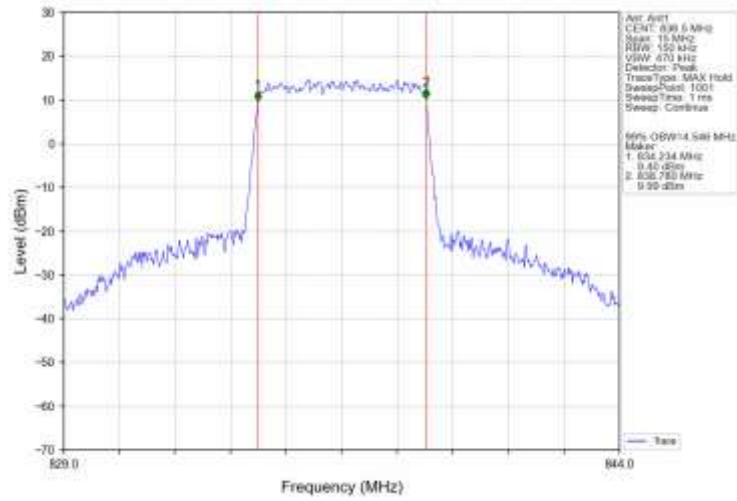
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



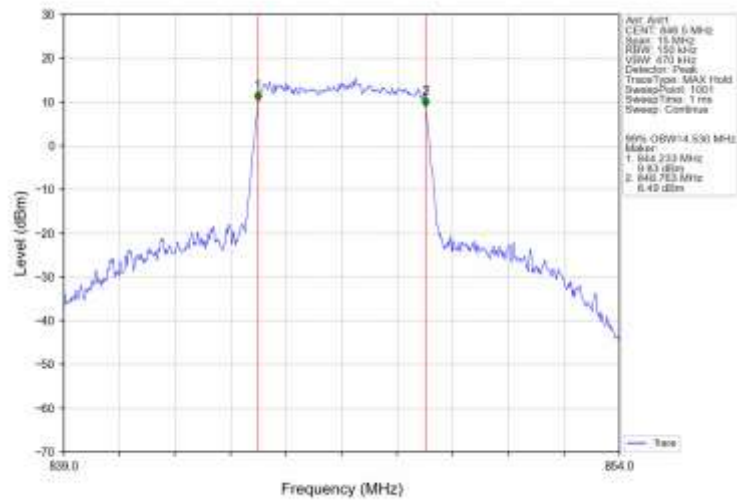
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



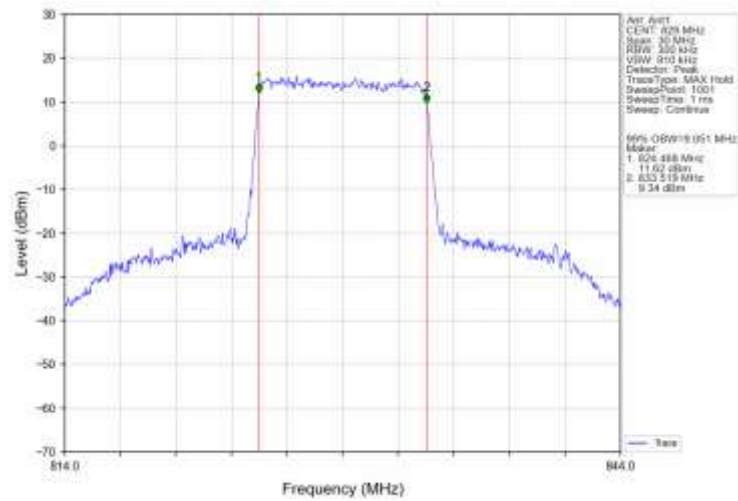
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



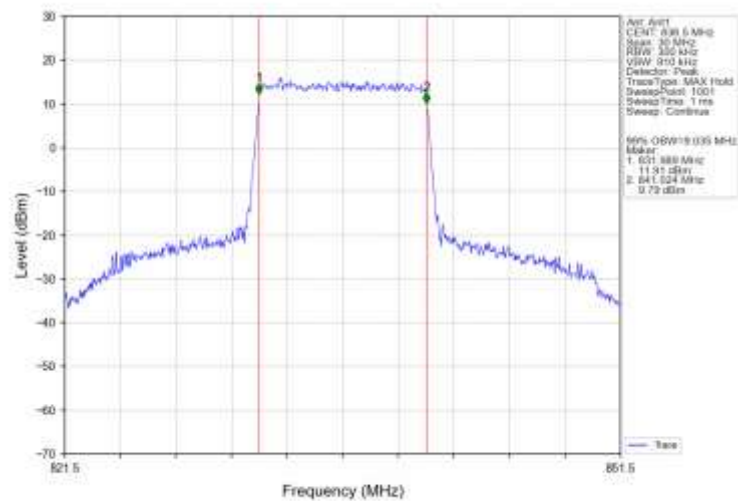
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



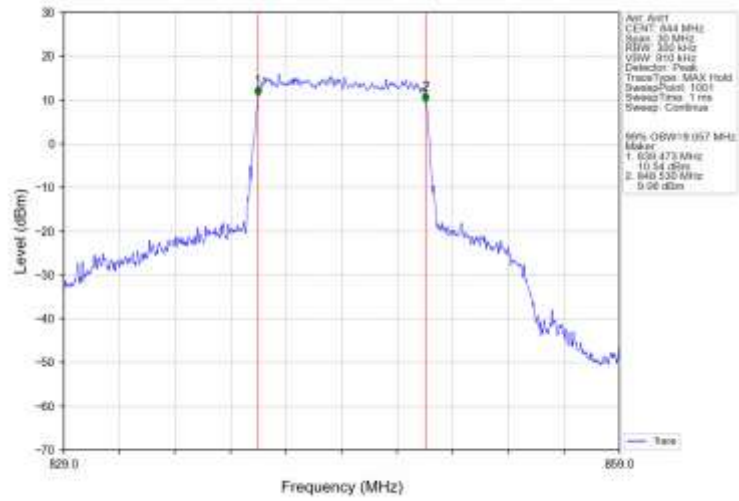
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



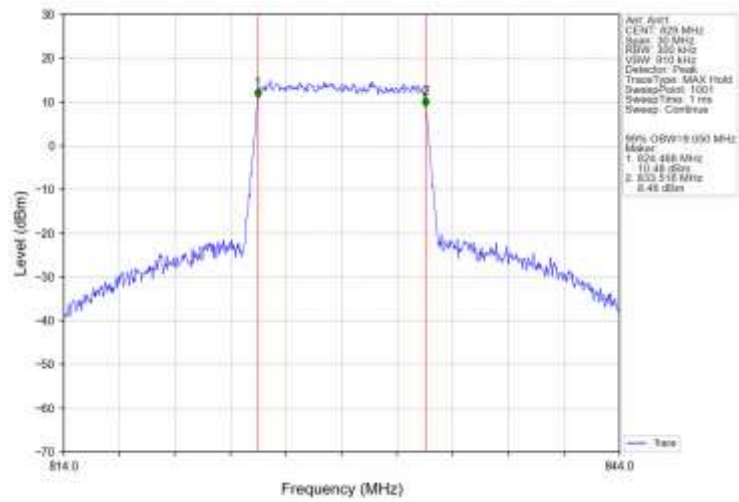
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



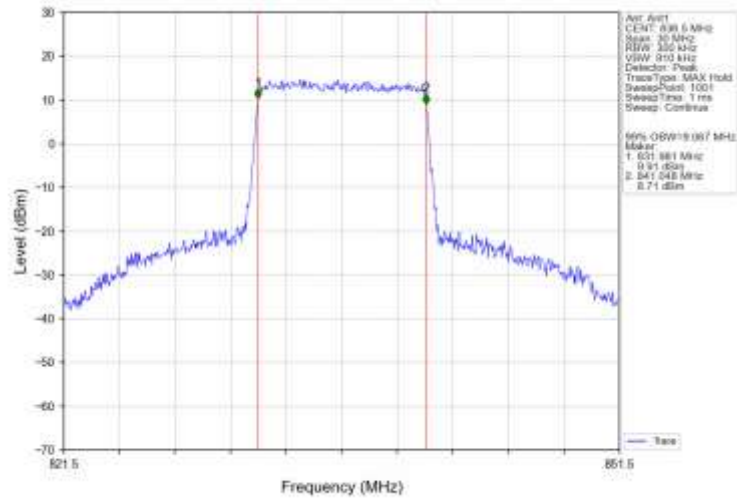
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



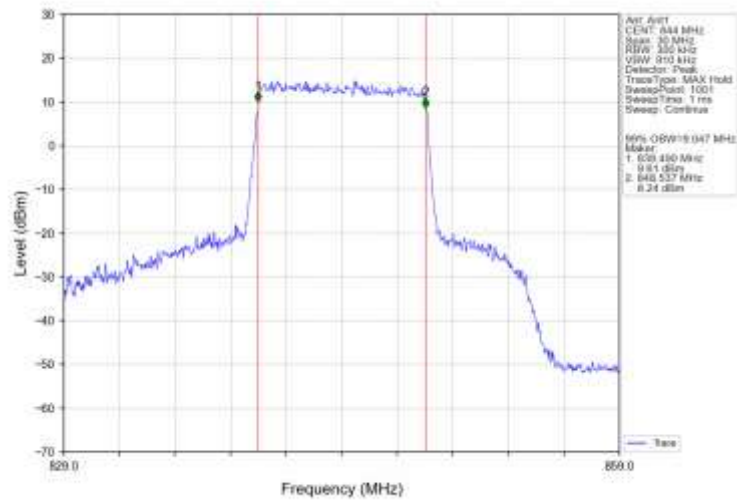
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



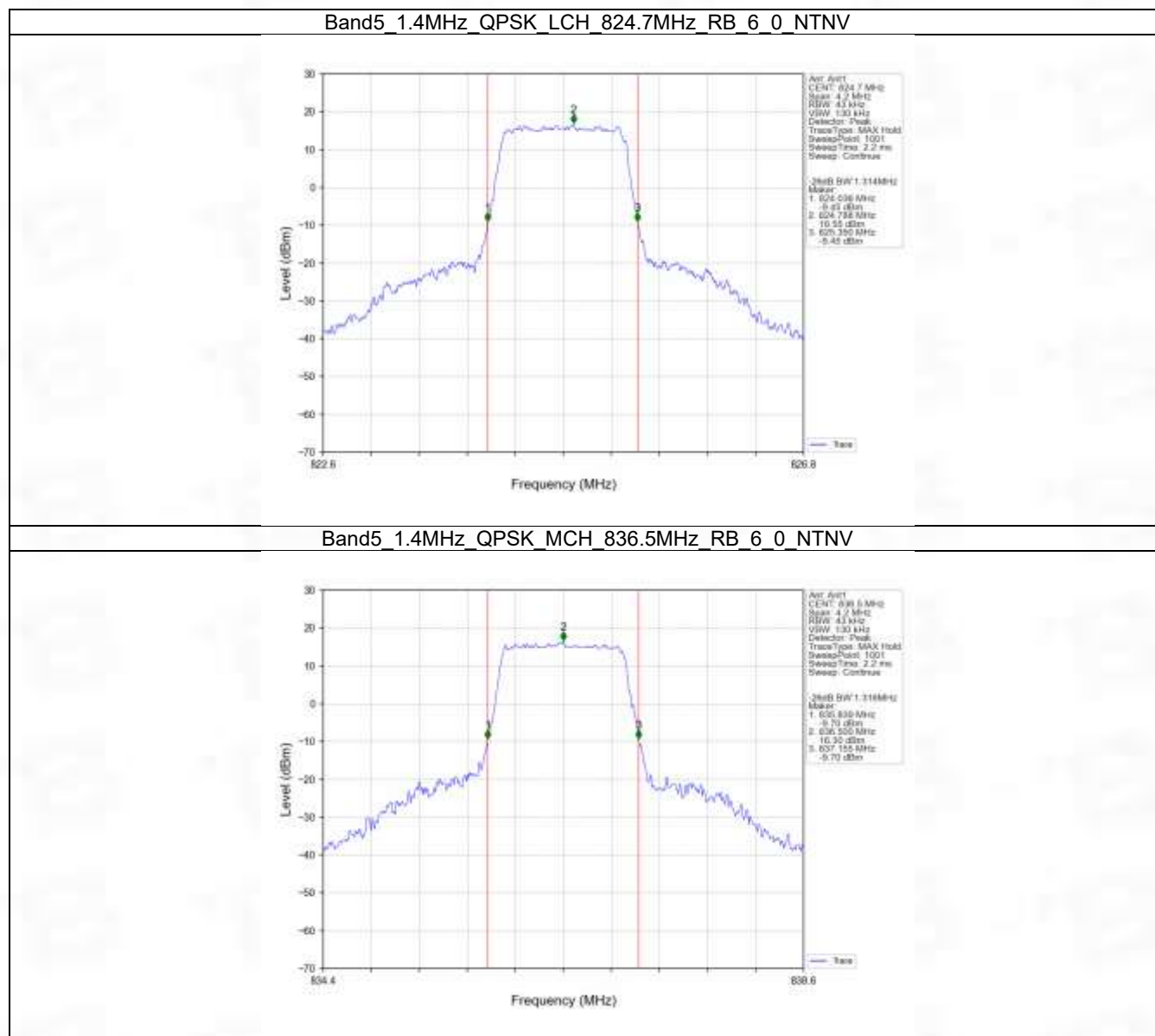
Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



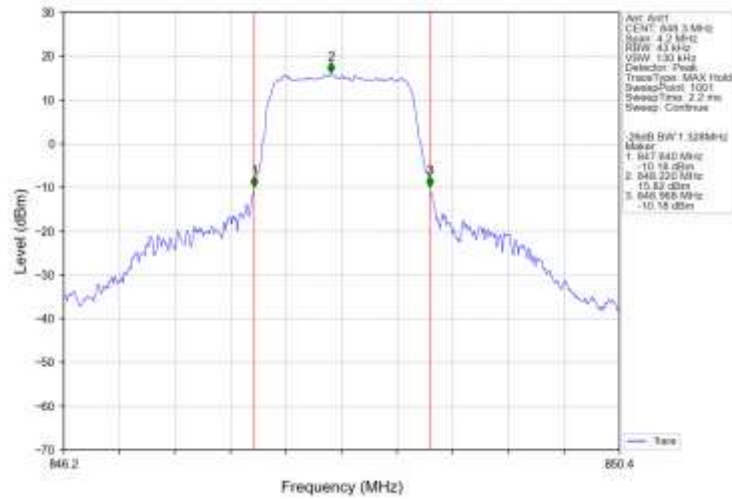
Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



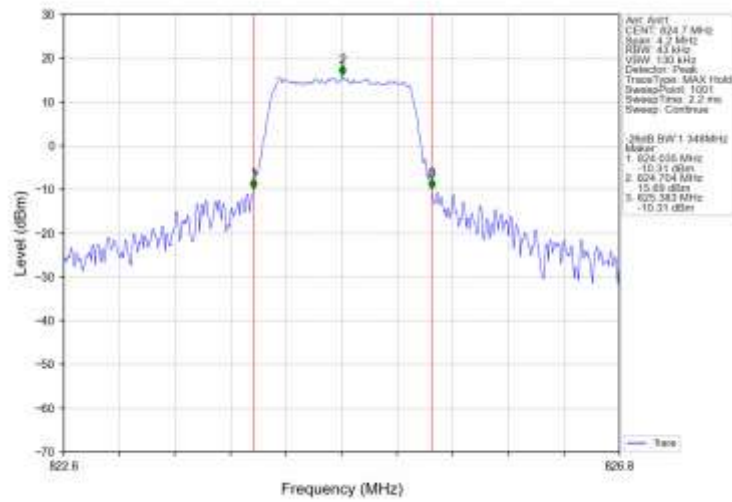
4.2.2 Band5_XDB



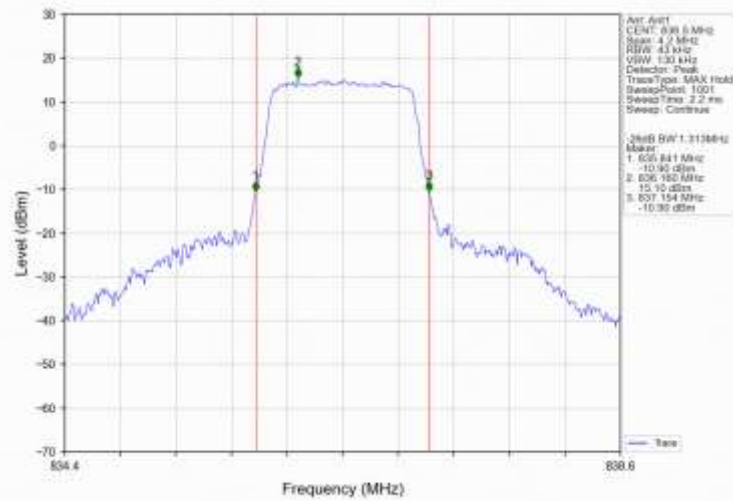
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



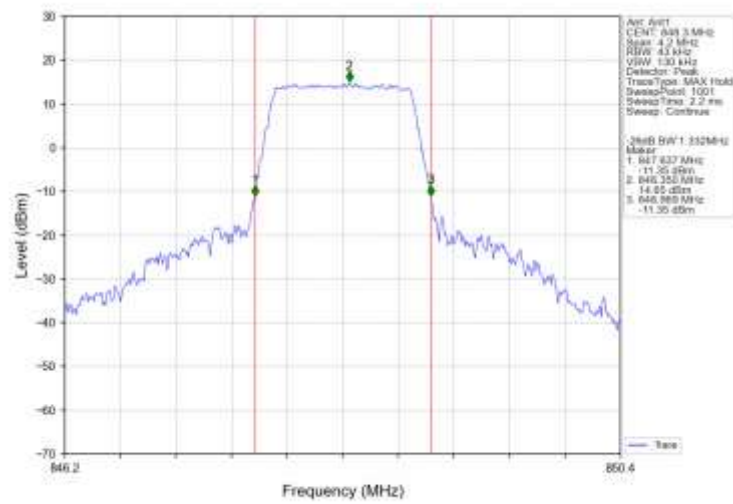
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



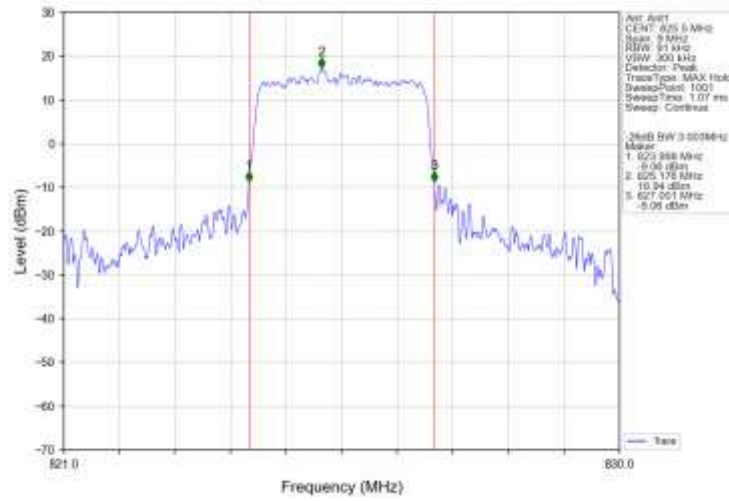
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTV



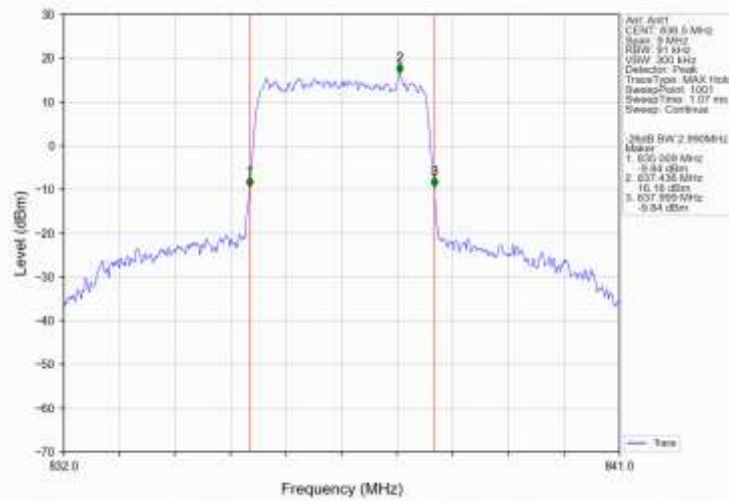
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTV



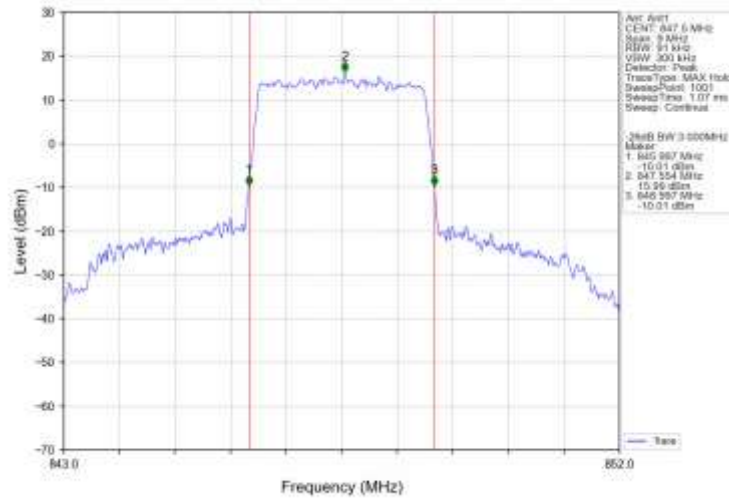
Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV



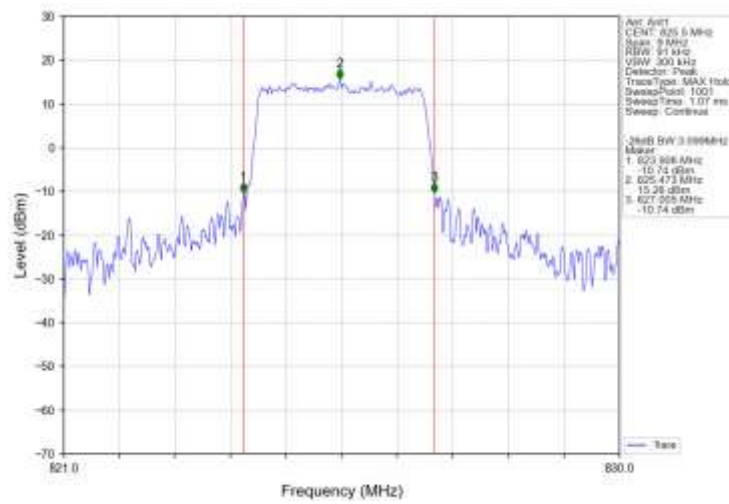
Band5_3MHz_QPSK_MCH_836.5MHz_RB_15_0_NTNV



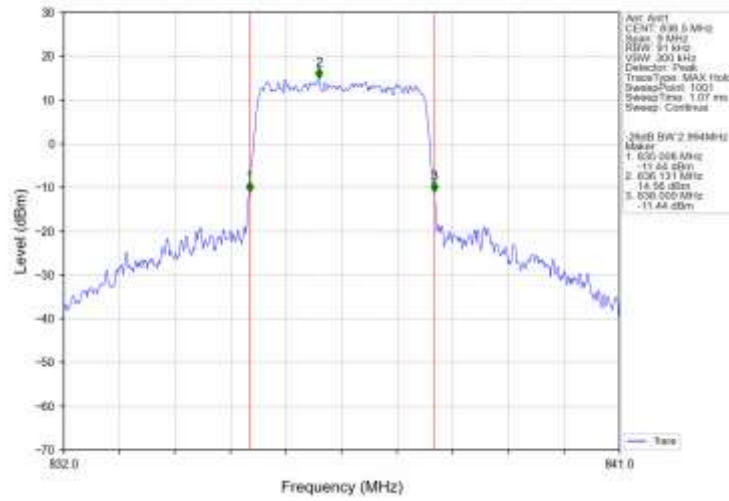
Band5_3MHz_QPSK_HCH_847.5MHz_RB_15_0_NTNV



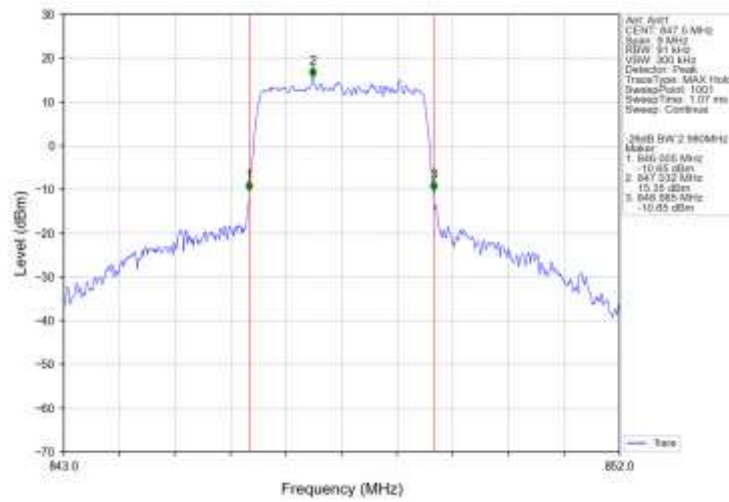
Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV



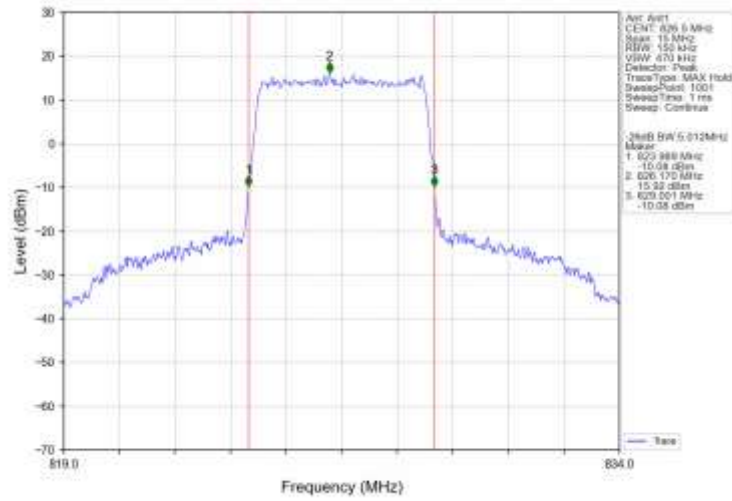
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



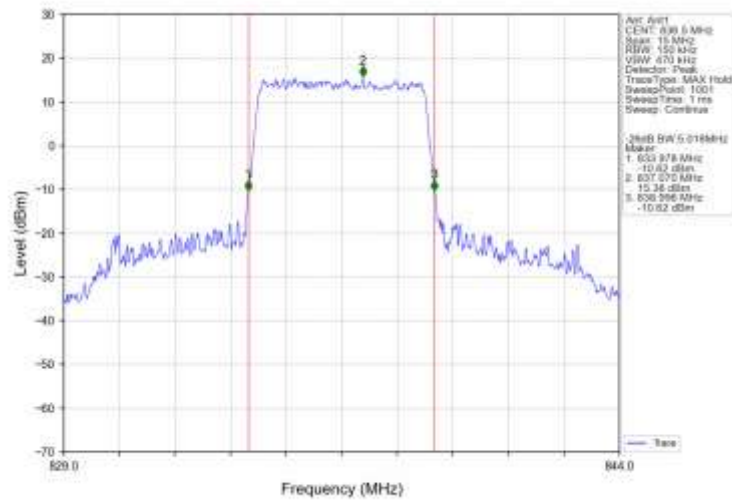
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



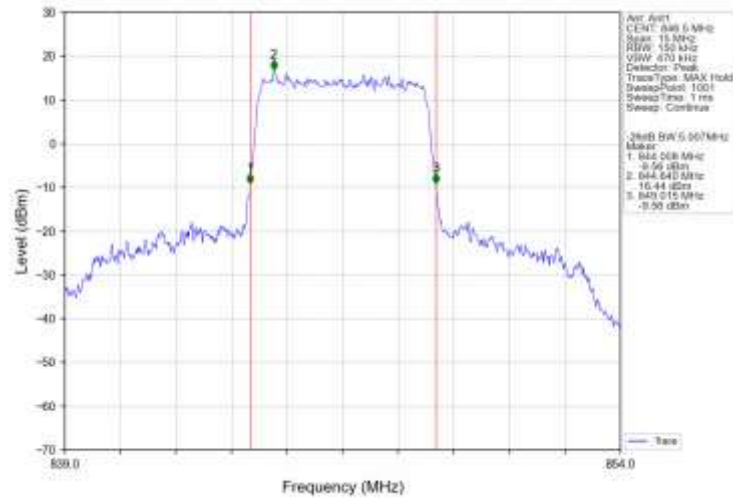
Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV



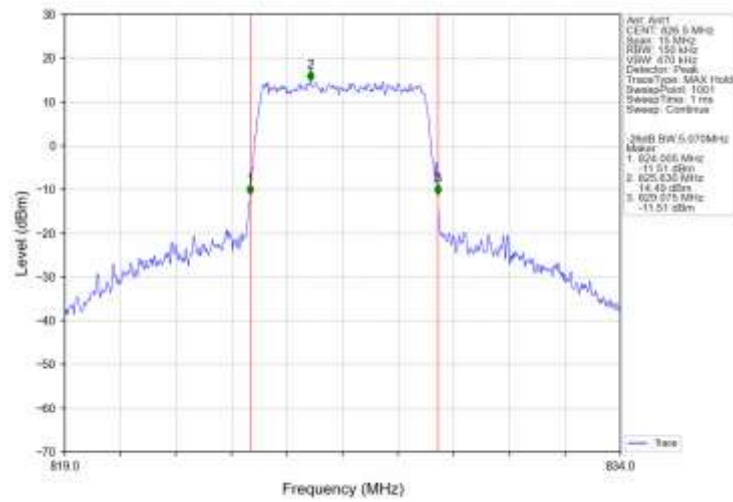
Band5_5MHz_QPSK_MCH_836.5MHz_RB_25_0_NTNV



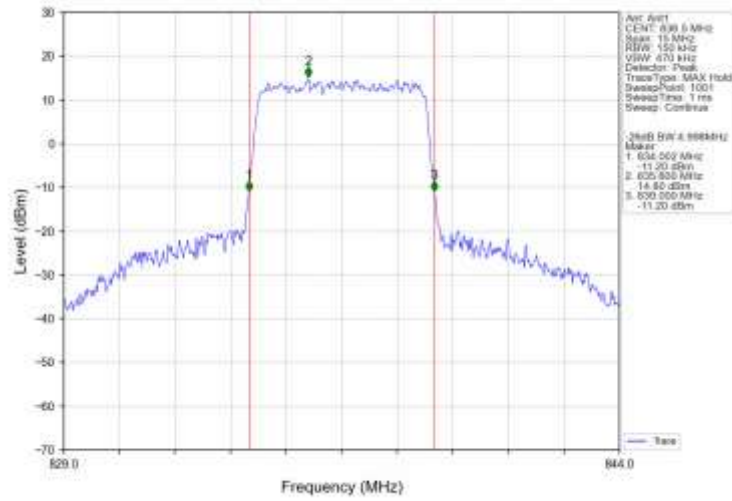
Band5_5MHz_QPSK_HCH_846.5MHz_RB_25_0_NTNV



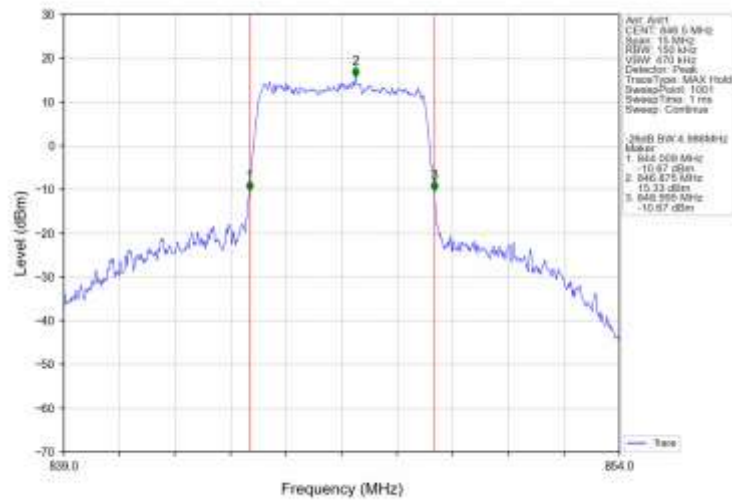
Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV



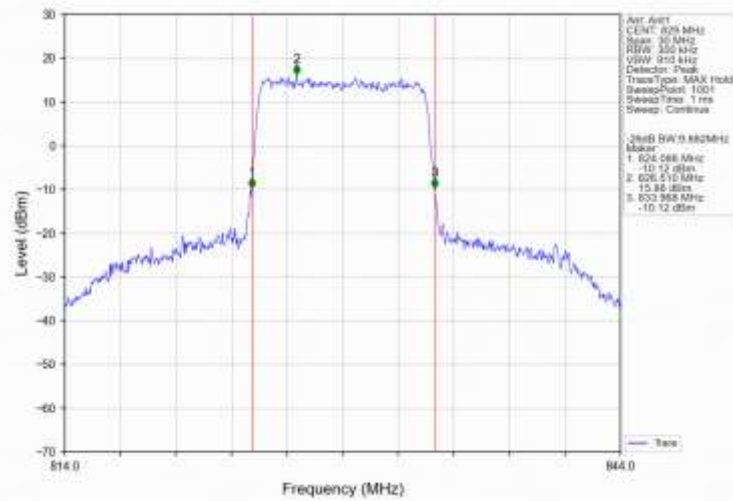
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



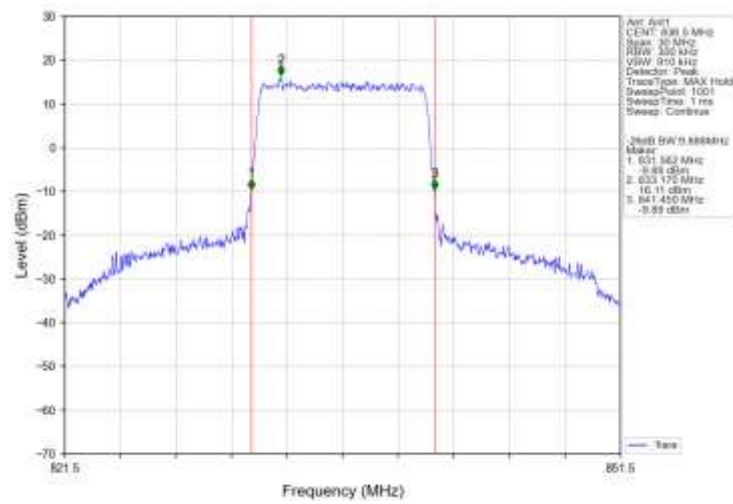
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



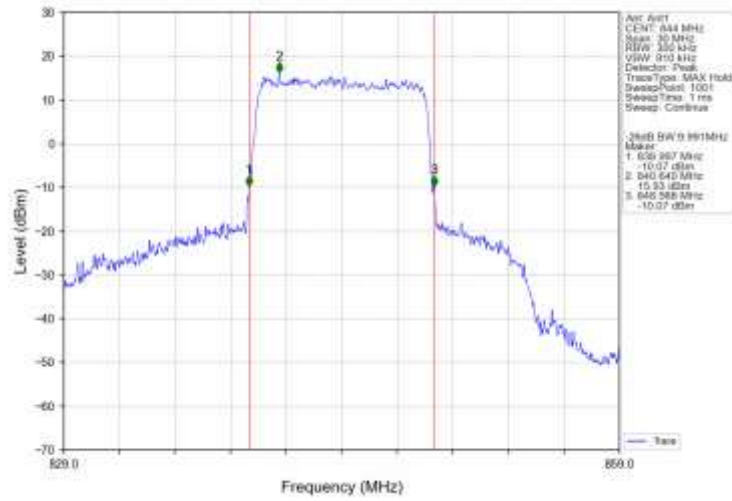
Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV



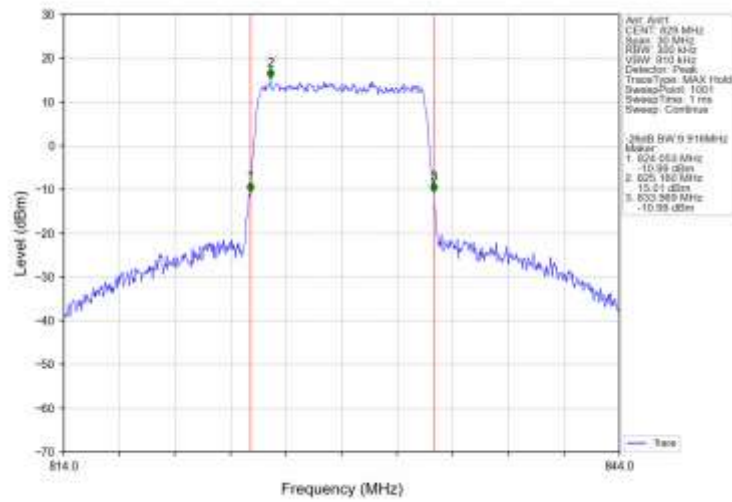
Band5_10MHz_QPSK_MCH_836.5MHz_RB_50_0_NTNV



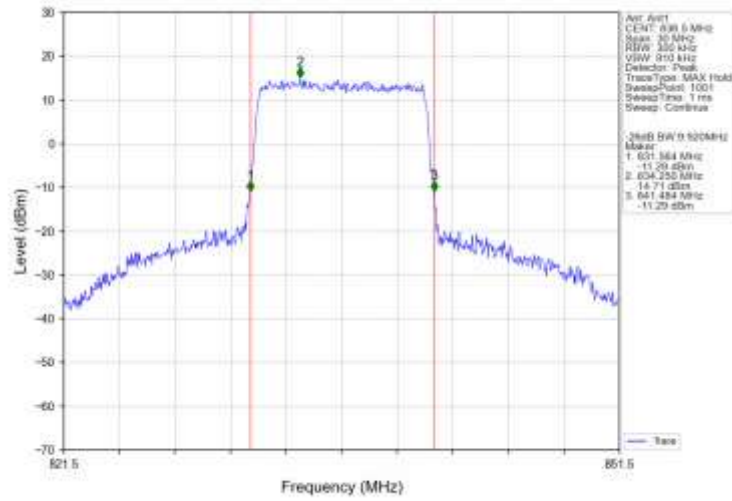
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



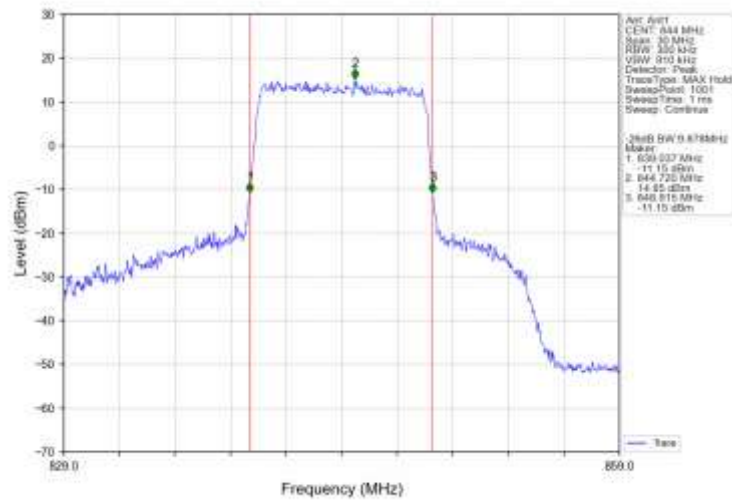
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_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	4.86	<=13	Pass
	836.5	6	0	4.92	<=13	Pass
	848.3	6	0	4.68	<=13	Pass
16QAM	824.7	6	0	5.65	<=13	Pass
	836.5	6	0	5.76	<=13	Pass
	848.3	6	0	5.51	<=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	4.98	<=13	Pass
	836.5	15	0	5.03	<=13	Pass
	847.5	15	0	4.86	<=13	Pass
16QAM	825.5	15	0	5.80	<=13	Pass
	836.5	15	0	5.84	<=13	Pass
	847.5	15	0	5.63	<=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	5.20	<=13	Pass
	836.5	25	0	5.28	<=13	Pass
	846.5	25	0	5.16	<=13	Pass
16QAM	826.5	25	0	5.99	<=13	Pass
	836.5	25	0	5.99	<=13	Pass
	846.5	25	0	5.75	<=13	Pass

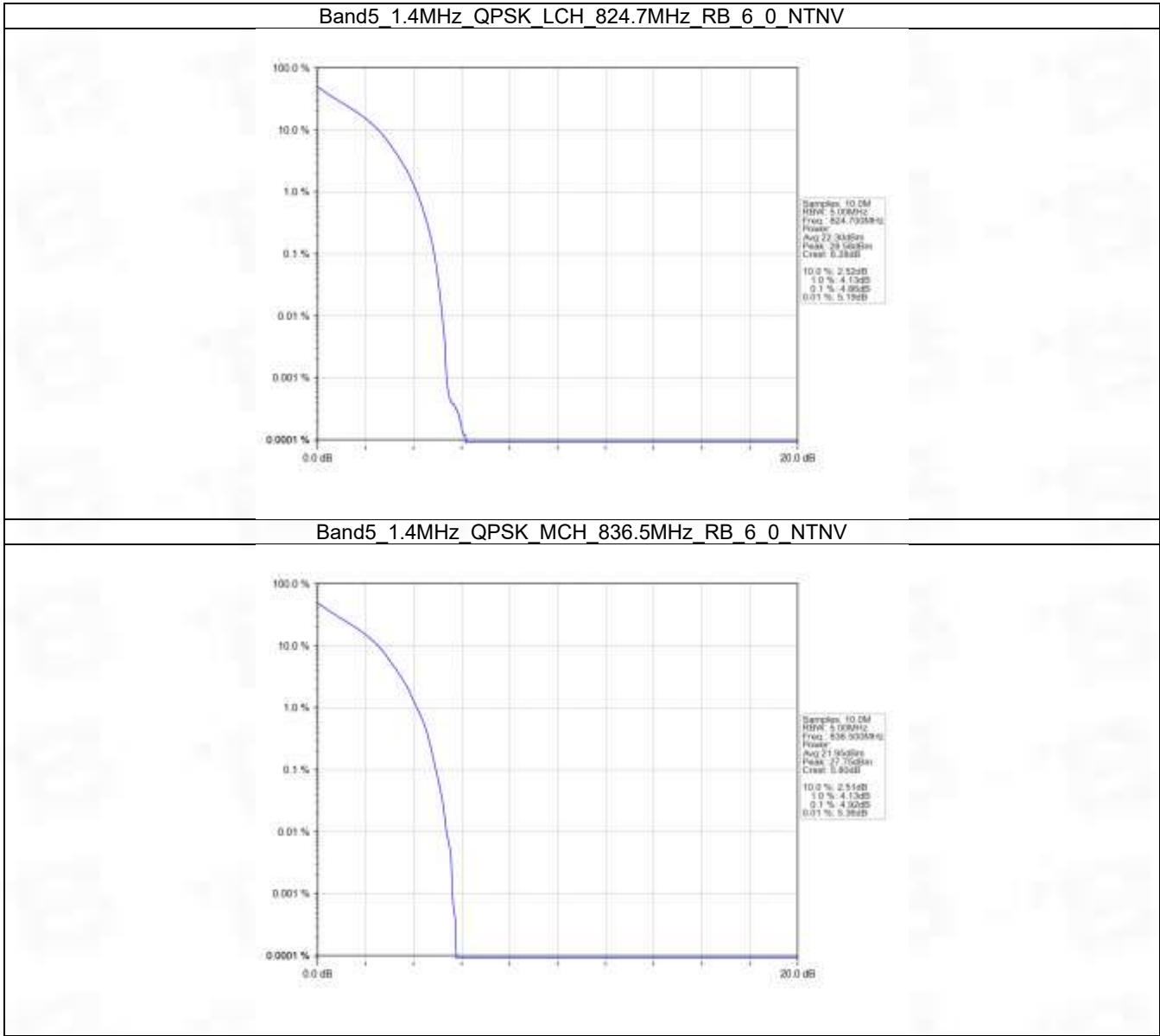
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	829	50	0	5.25	<=13	Pass
	836.5	50	0	5.23	<=13	Pass
	844	50	0	5.14	<=13	Pass
16QAM	829	50	0	5.99	<=13	Pass
	836.5	50	0	6.00	<=13	Pass

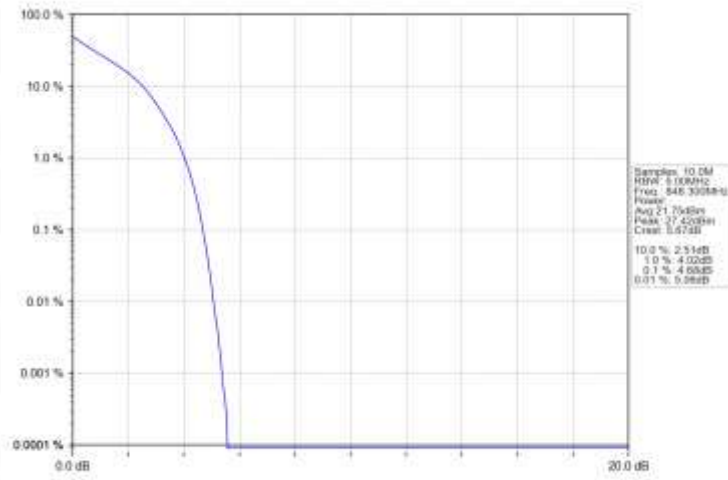
	844	50	0	5.87	<=13	Pass
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5.2 Test Graph

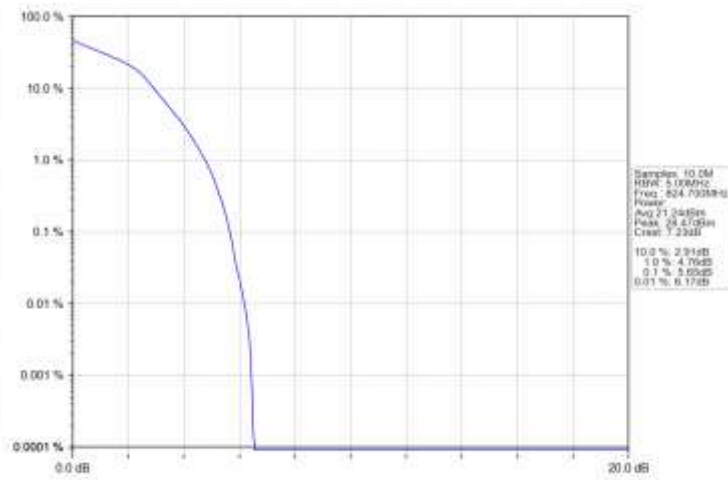
5.2.1 B5_1.4MHz



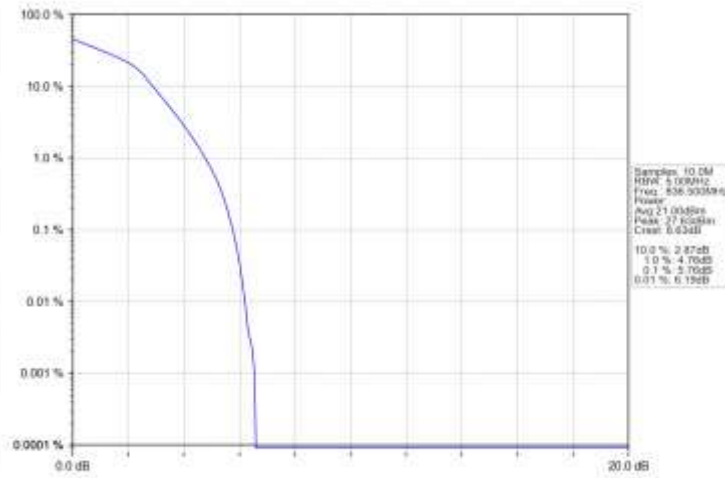
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



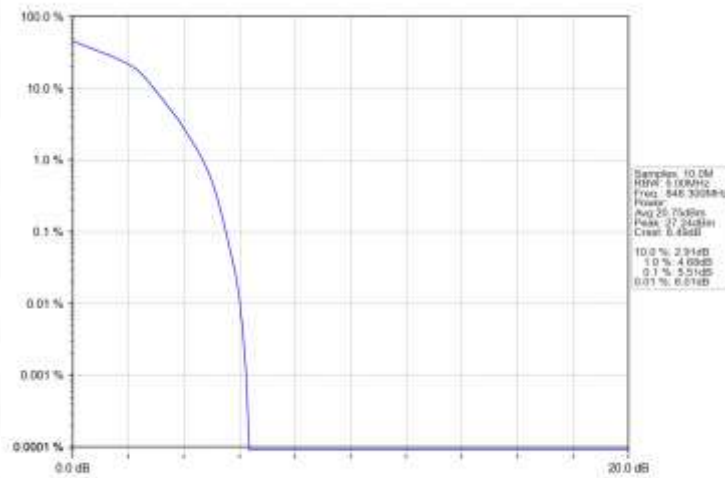
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



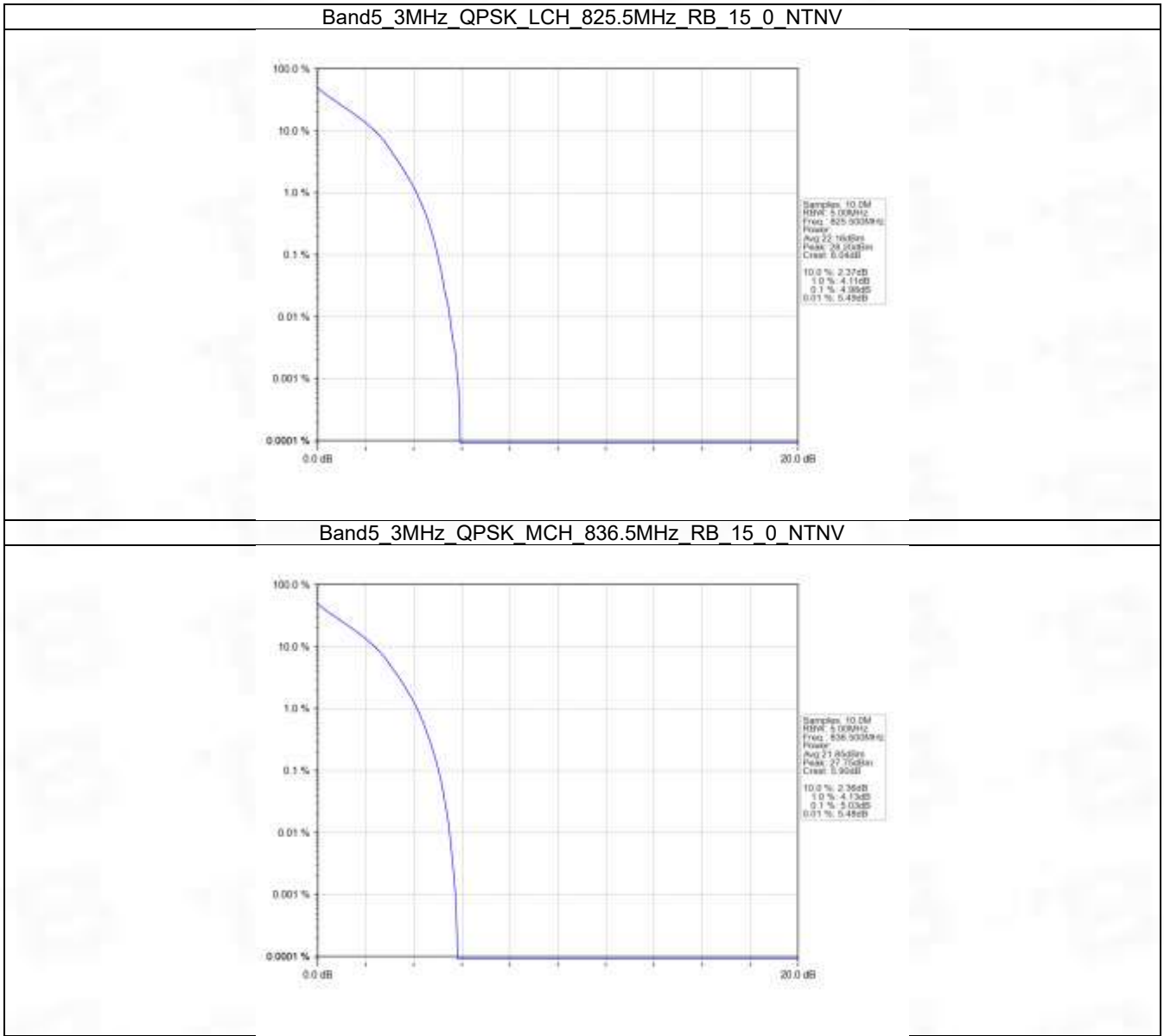
Band5 1.4MHz 16QAM MCH 836.5MHz RB 6 0 NTNV



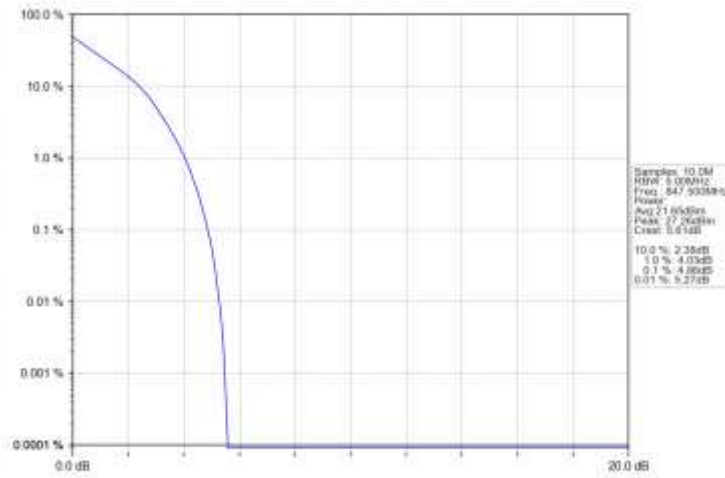
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



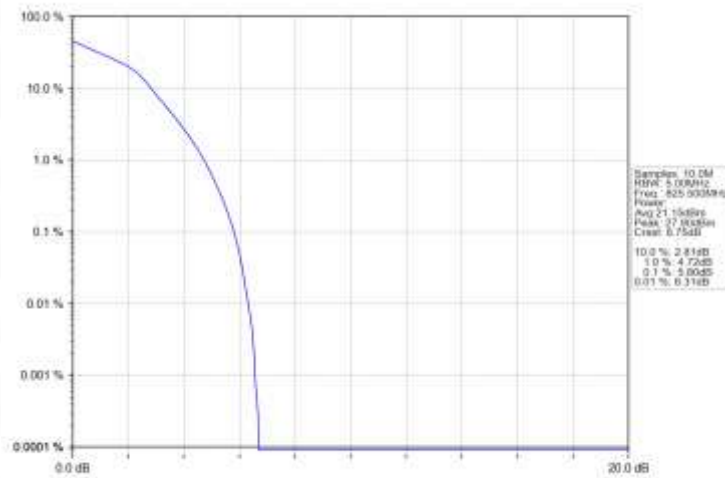
5.2.2 B5_3MHz



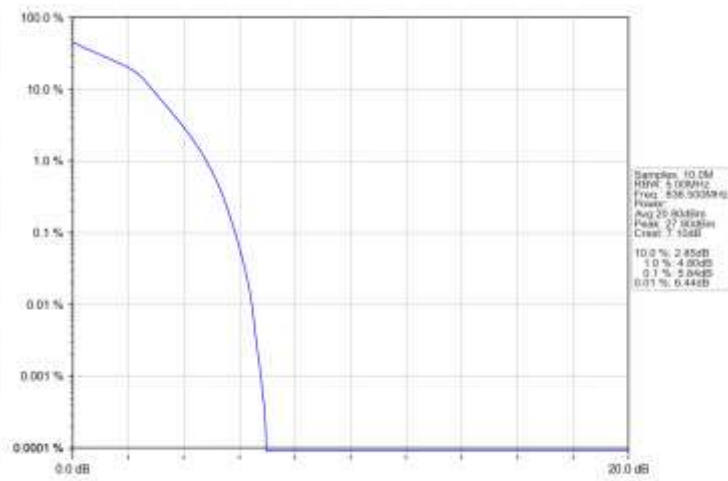
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTV



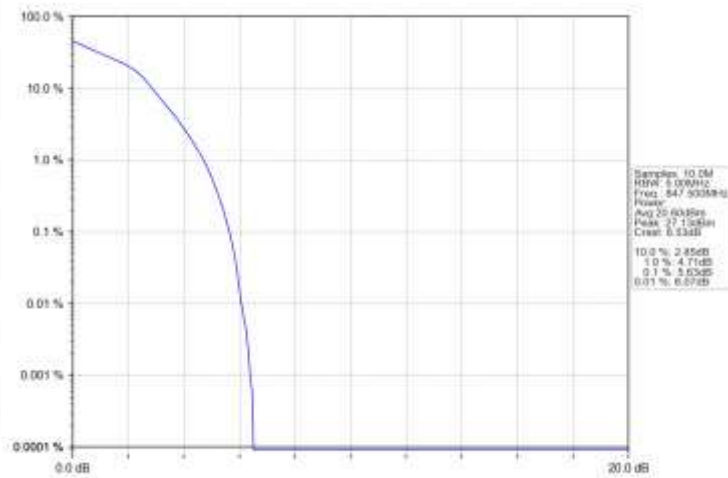
Band5 3MHz 16QAM LCH 825.5MHz RB 15 0 NTV



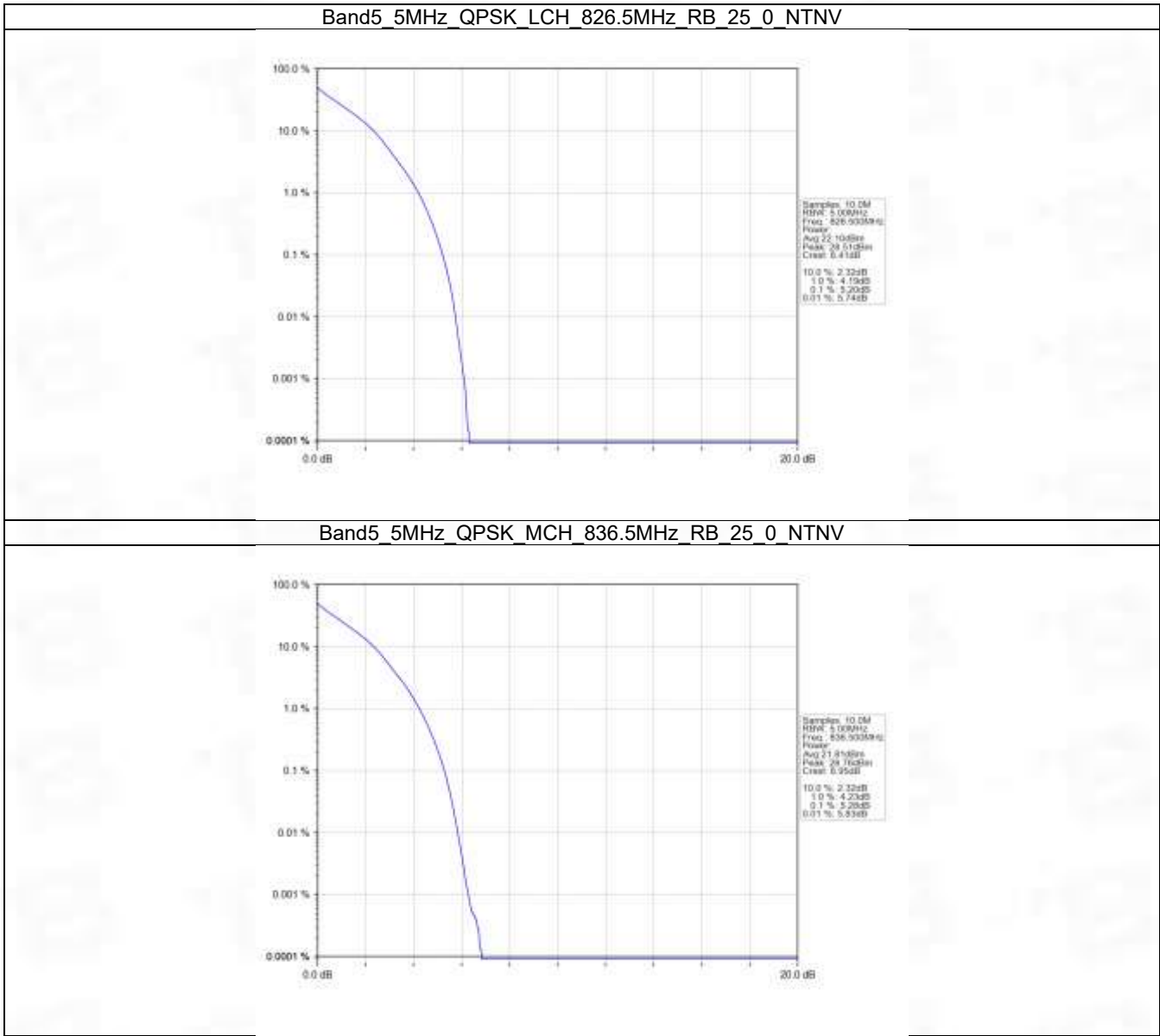
Band5_3MHz_16QAM_MCH_836.5MHz_RB_15_0_NTNV



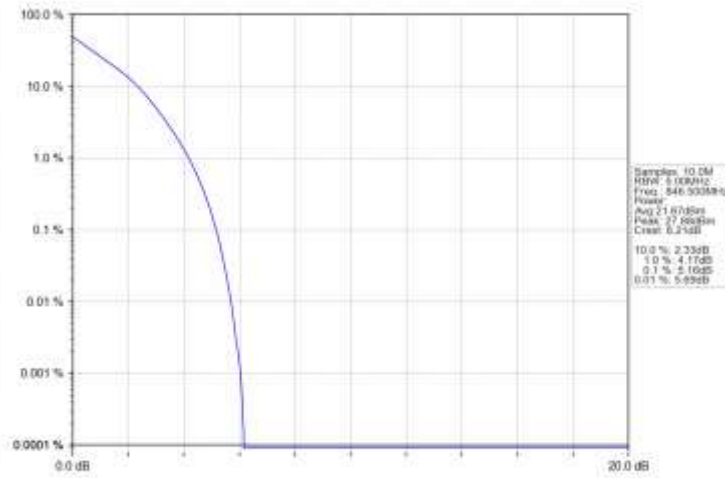
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



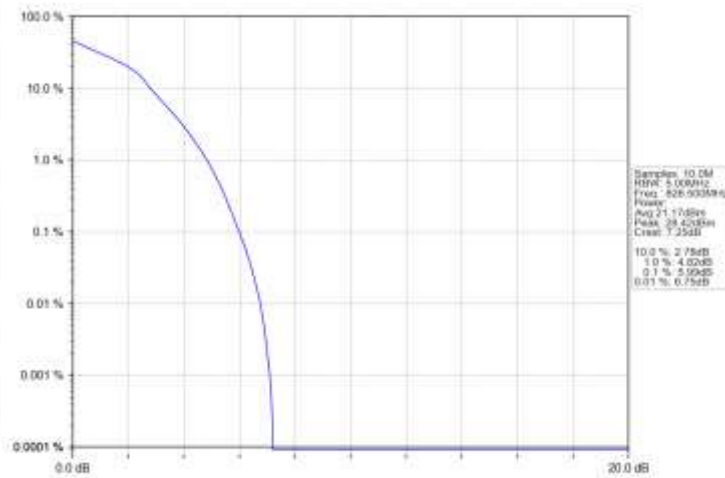
5.2.3 B5_5MHz



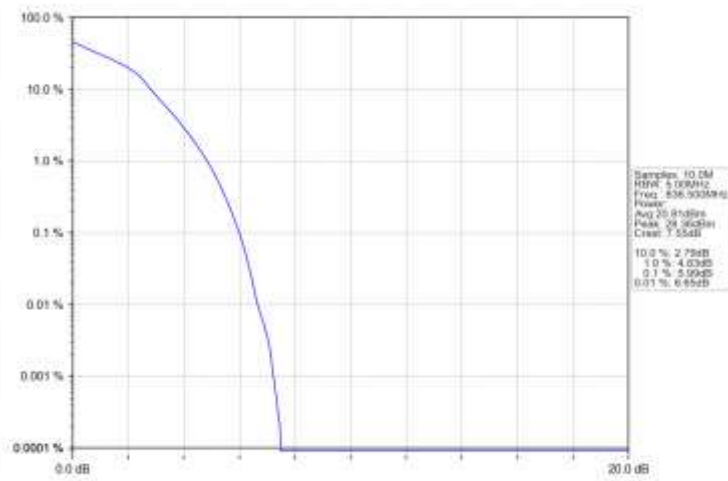
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



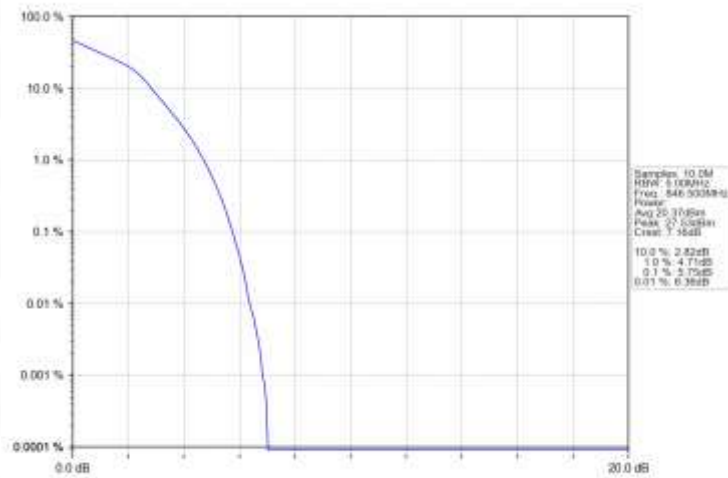
Band5 5MHz 16QAM LCH 826.5MHz RB 25 0 NTN



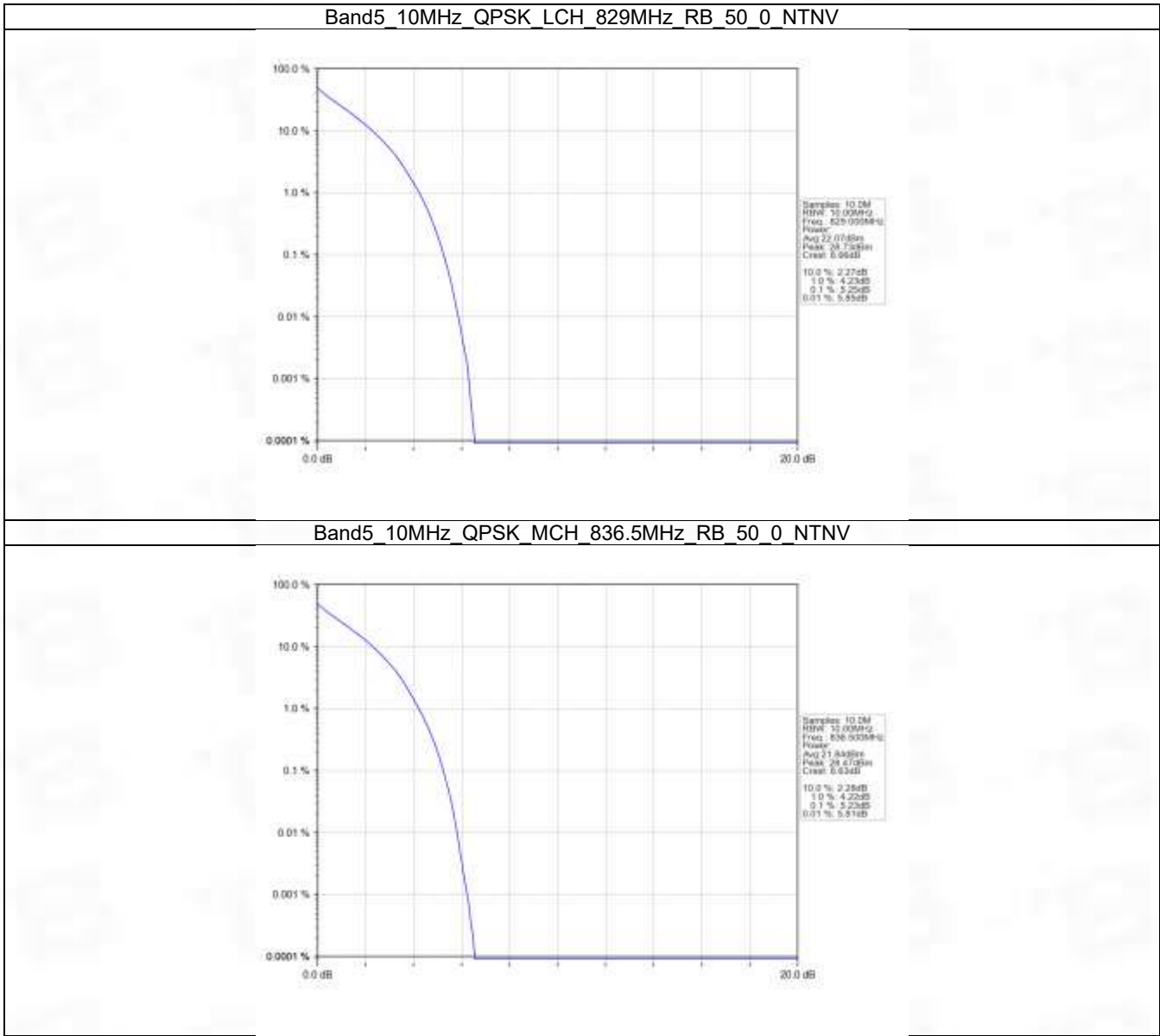
Band5_5MHz_16QAM_MCH_836.5MHz_RB_25_0_NTNV



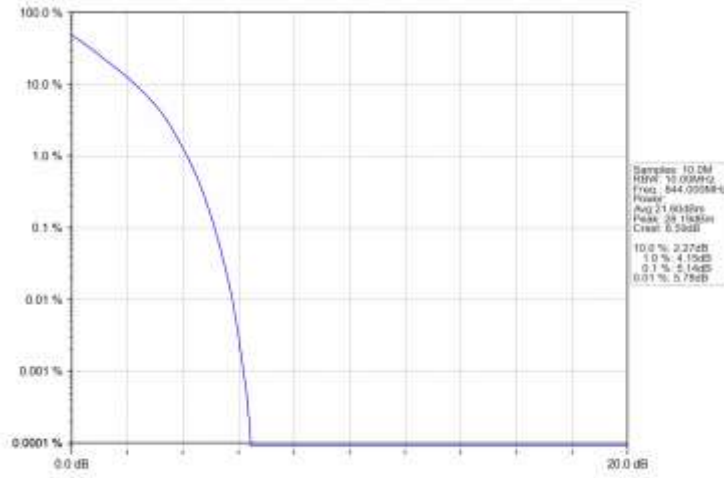
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



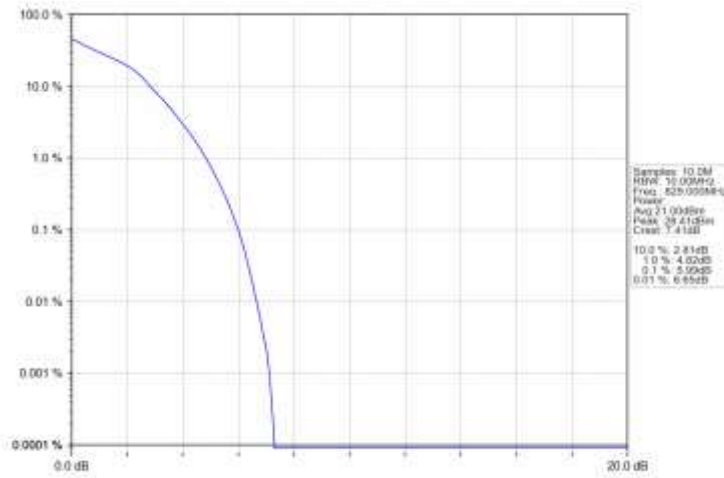
5.2.4 B5_10MHz



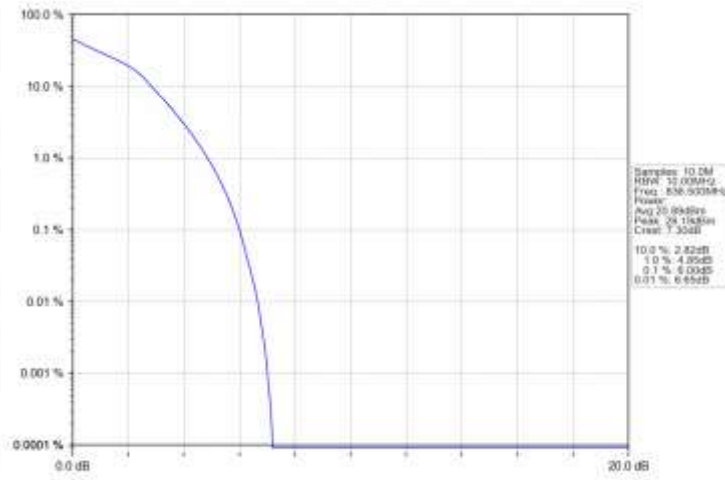
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



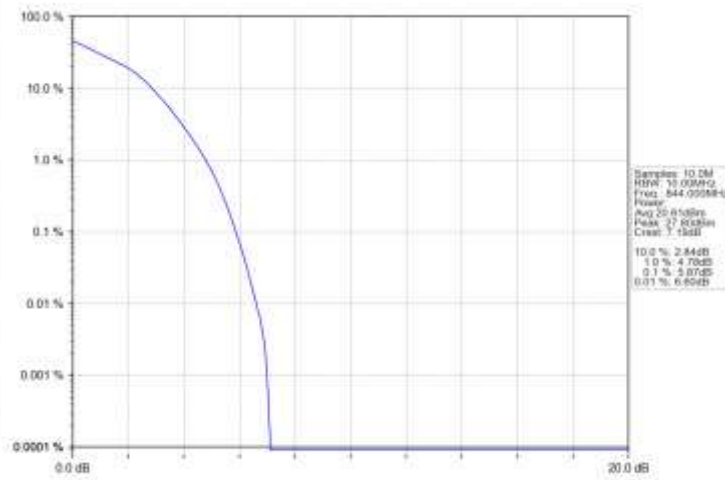
Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_50_0_NTNV



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

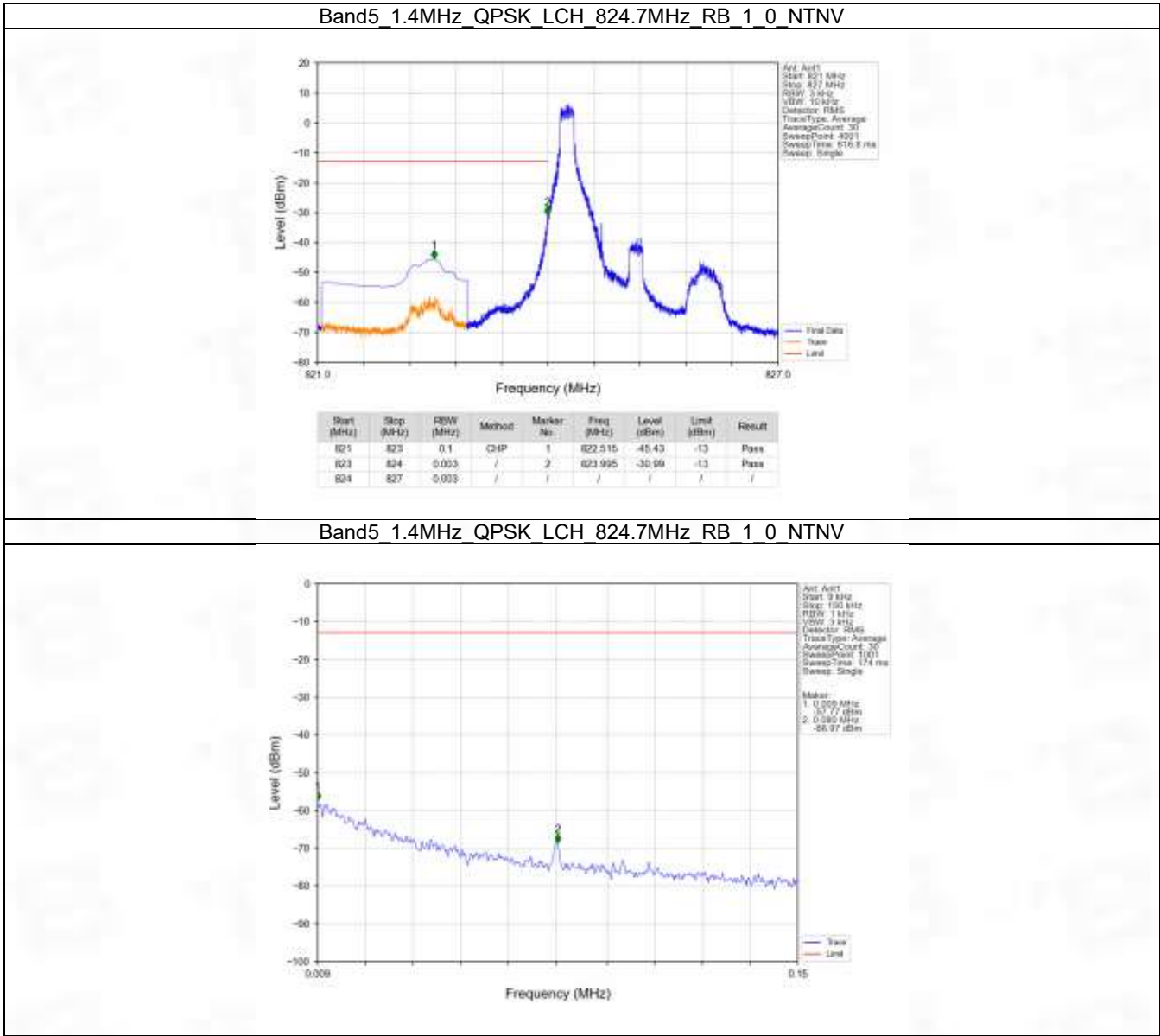
		25	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
	846.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B5_10MHz

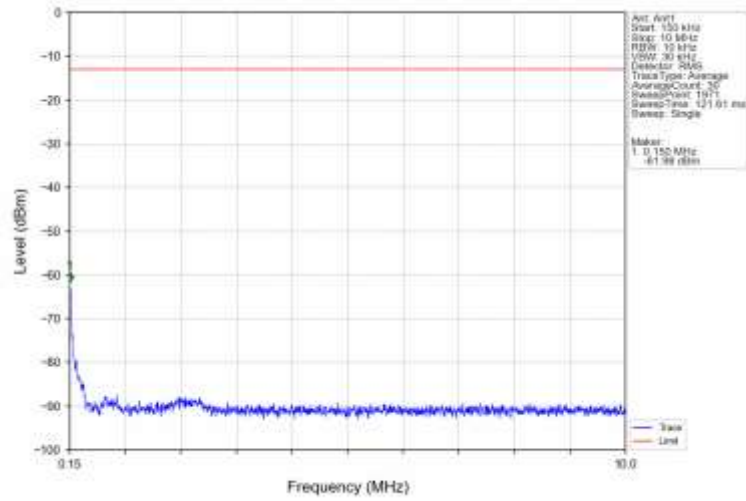
Band: 5 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	829	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	836.5	1	0	Refer To Test Graph	Pass
	844	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50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

6.2 Test Graph

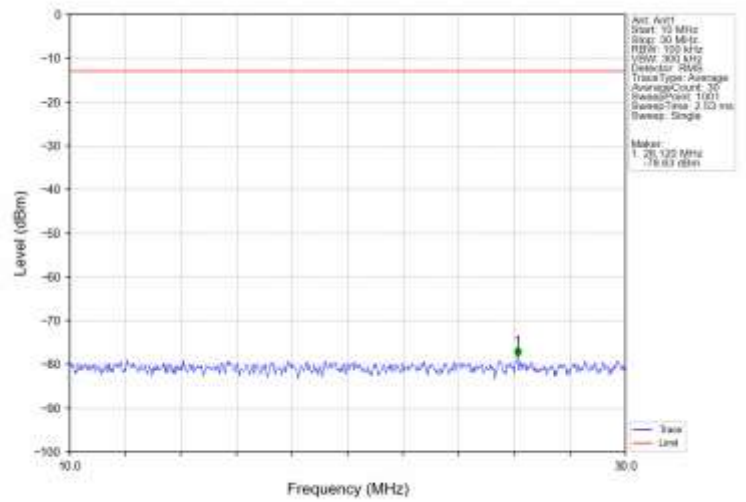
6.2.1 B5_1.4MHz



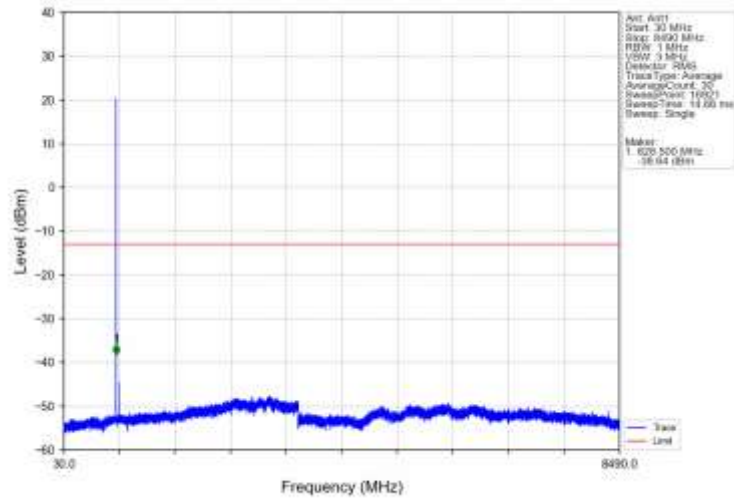
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTN



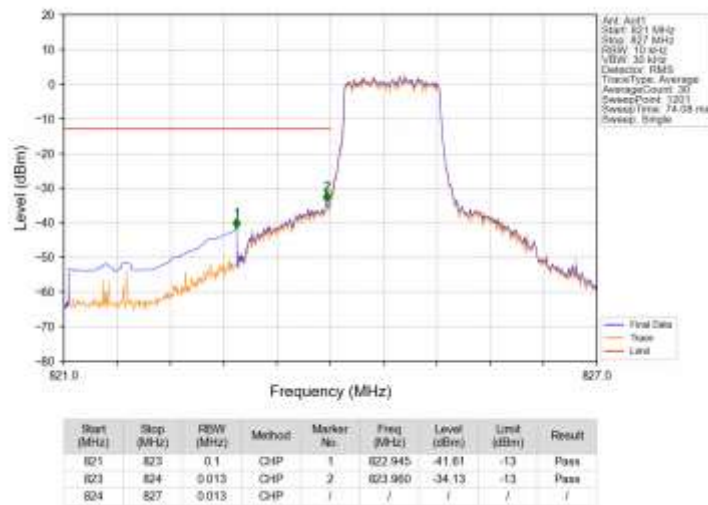
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTN



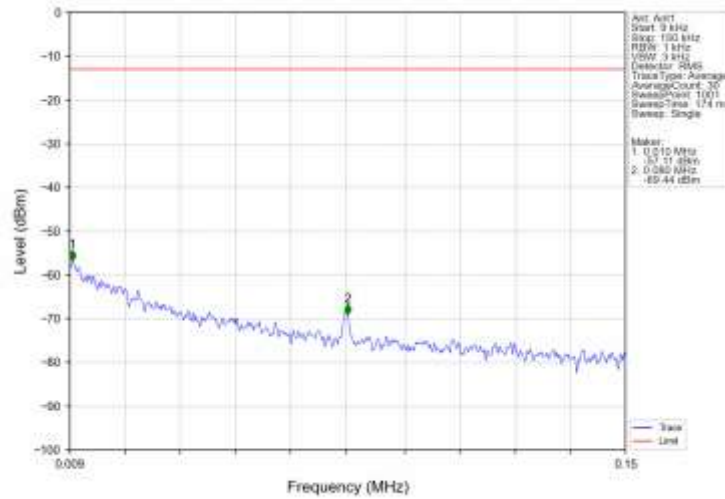
Band5 1.4MHz QPSK LCH 824.7MHz RB 1 0 NTNV



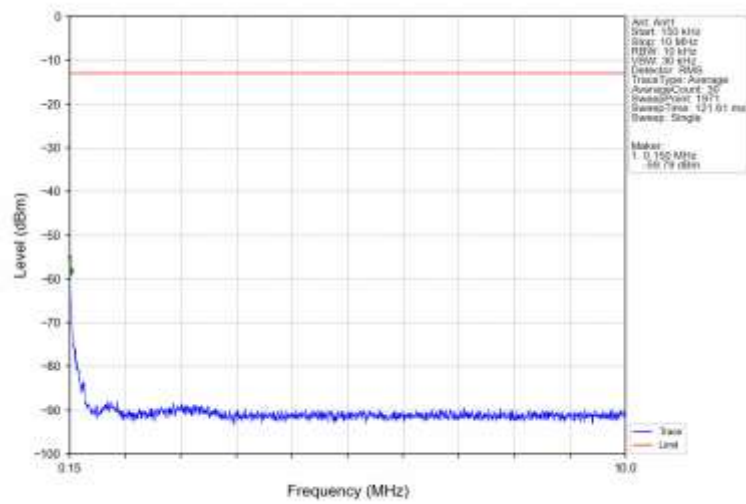
Band5 1.4MHz QPSK LCH 824.7MHz RB 6 0 NTNV



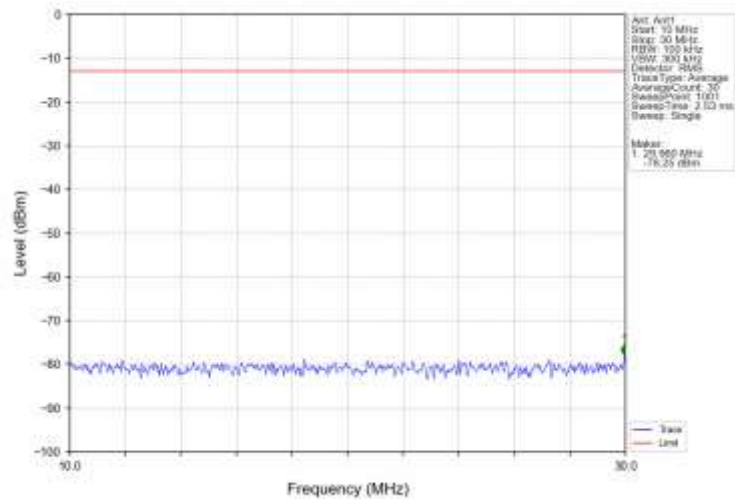
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTV



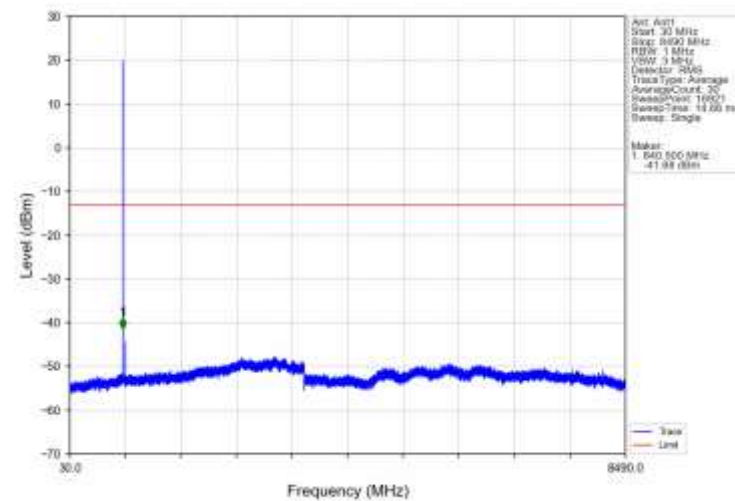
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTV



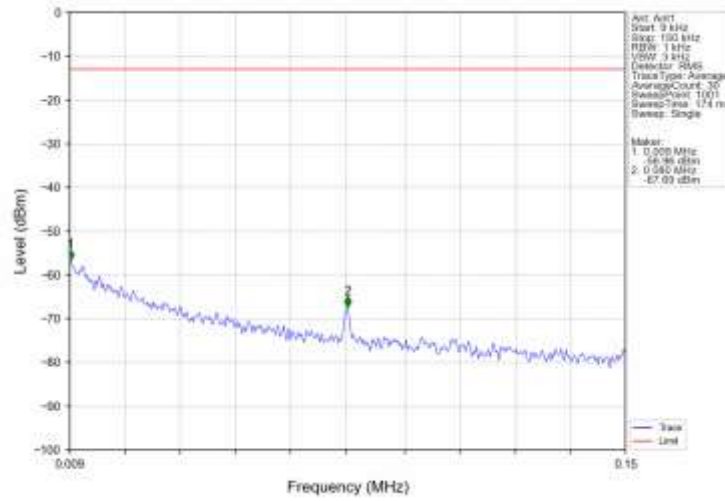
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTV



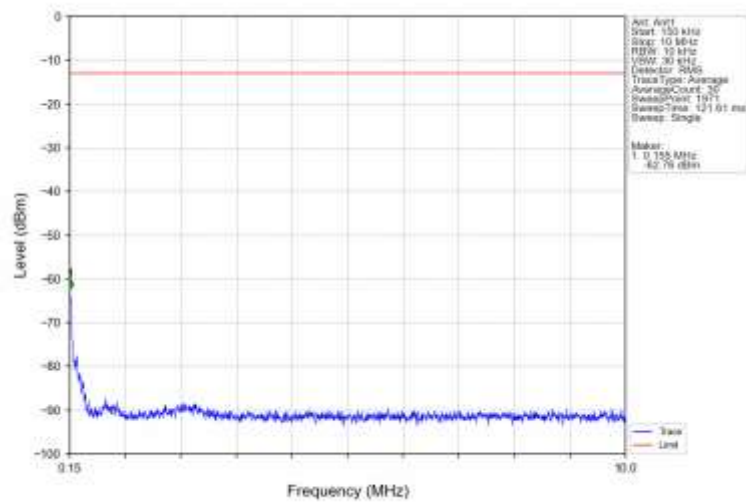
Band5 1.4MHz QPSK MCH 836.5MHz RB 1 0 NTV



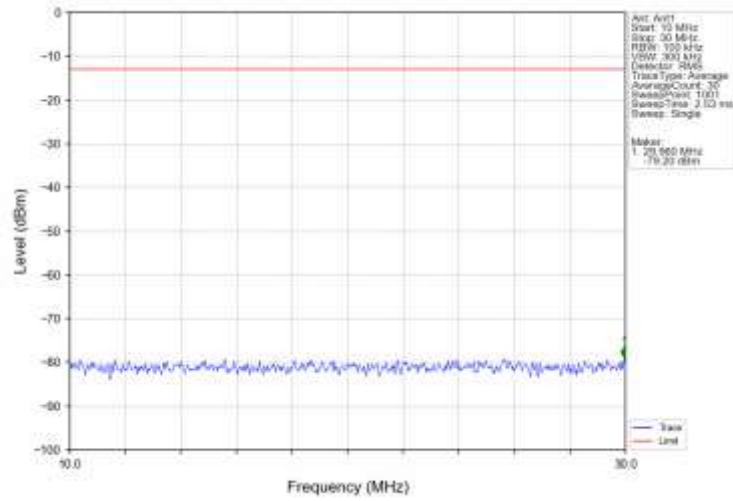
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



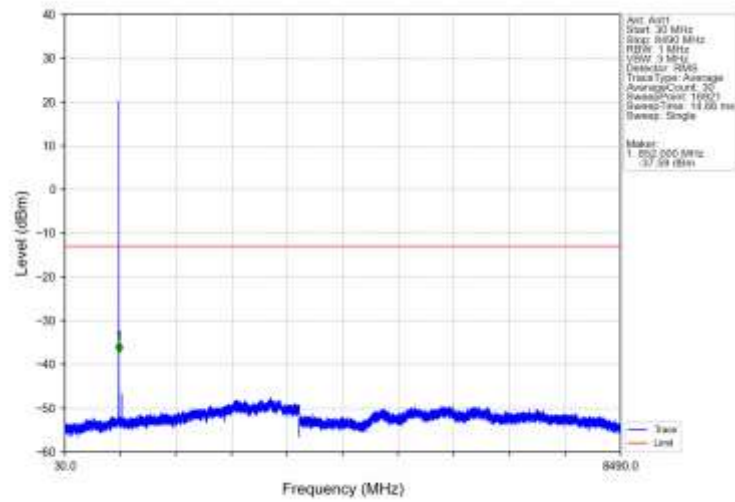
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



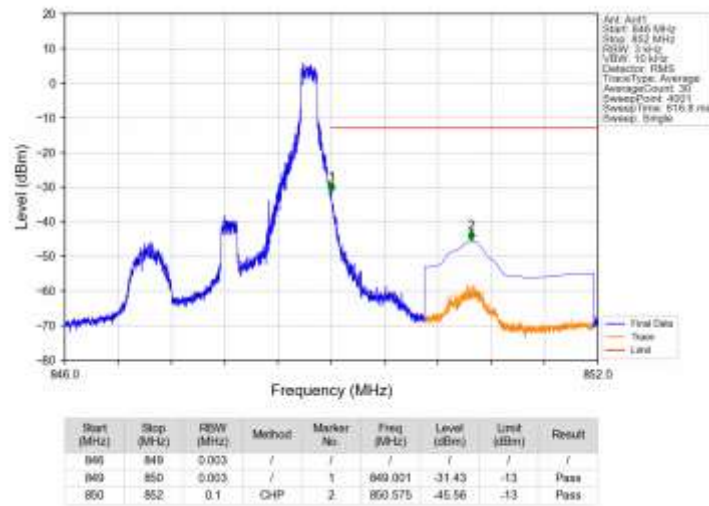
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



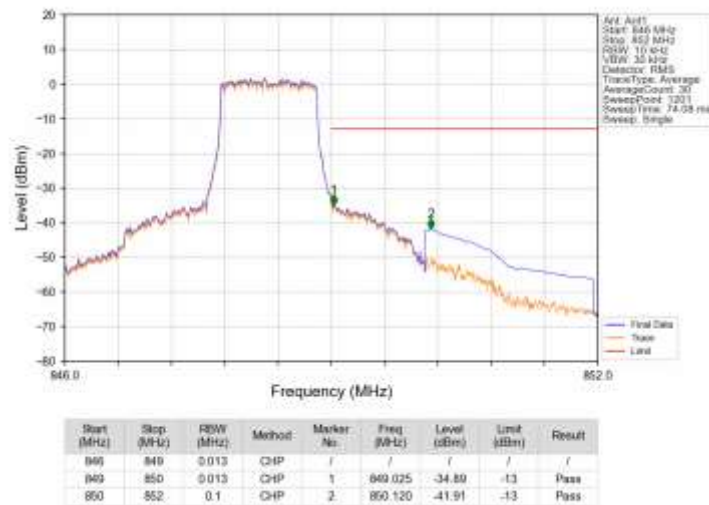
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 0 NTNV



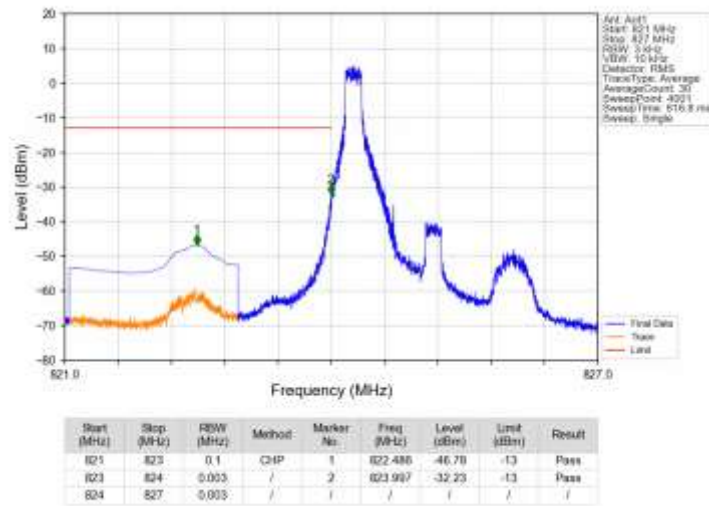
Band5 1.4MHz QPSK HCH 848.3MHz RB 1 5 NTNV



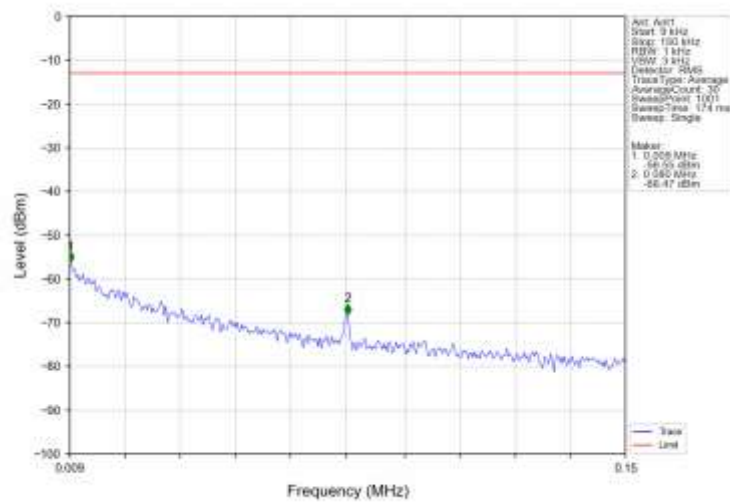
Band5 1.4MHz QPSK HCH 848.3MHz RB 6 0 NTNV



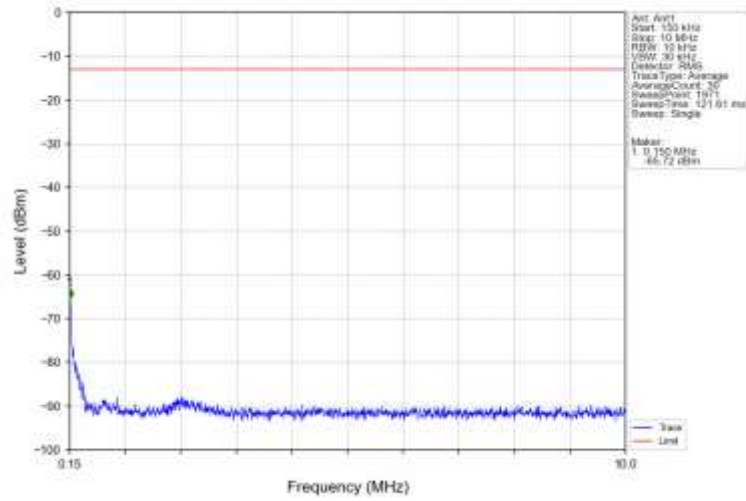
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



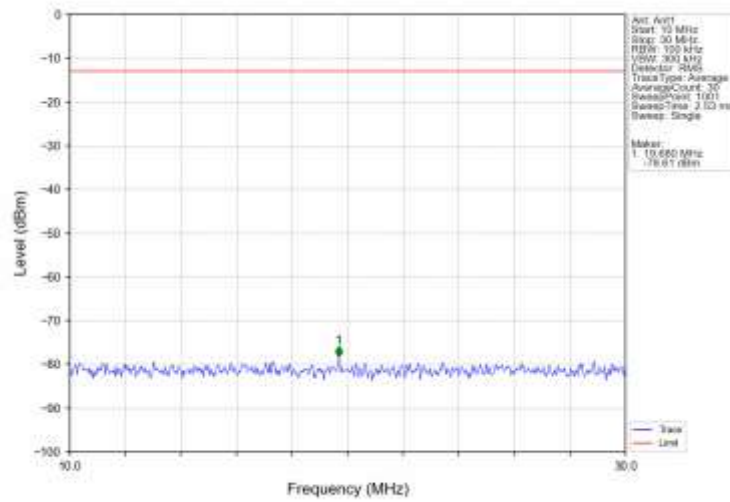
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



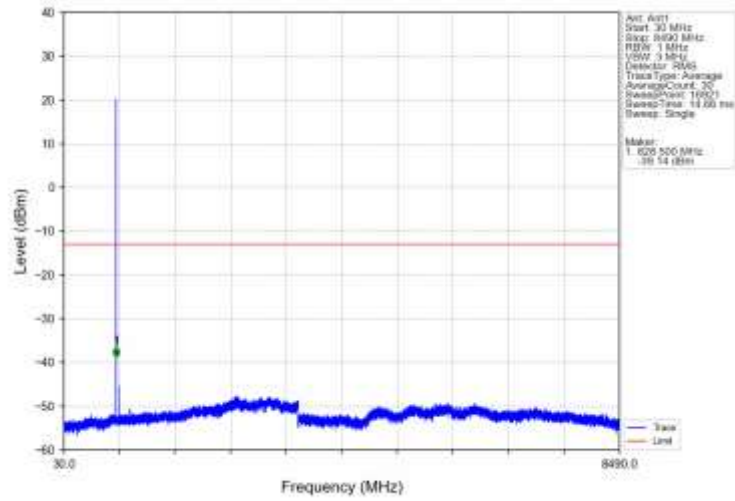
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



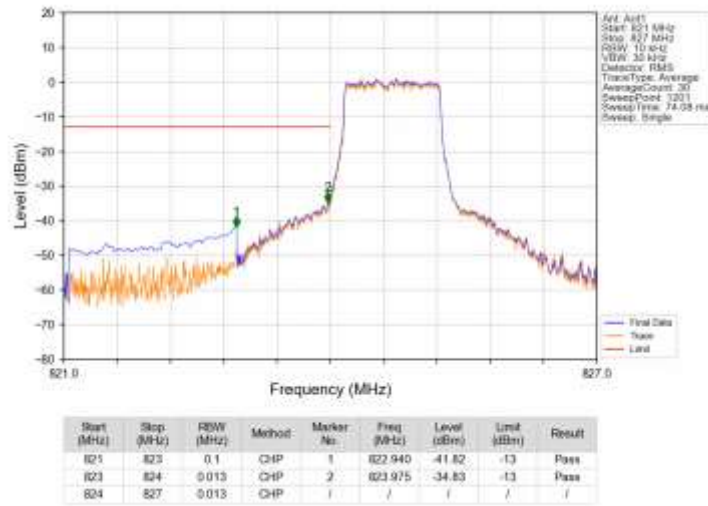
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



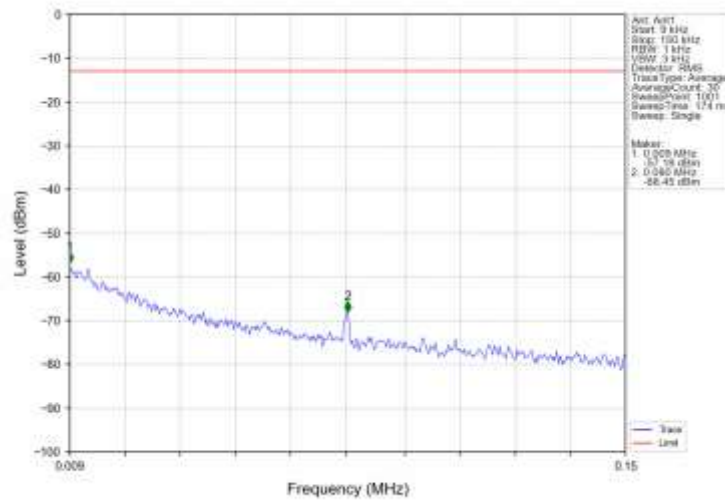
Band5 1.4MHz 16QAM LCH 824.7MHz RB 1 0 NTNV



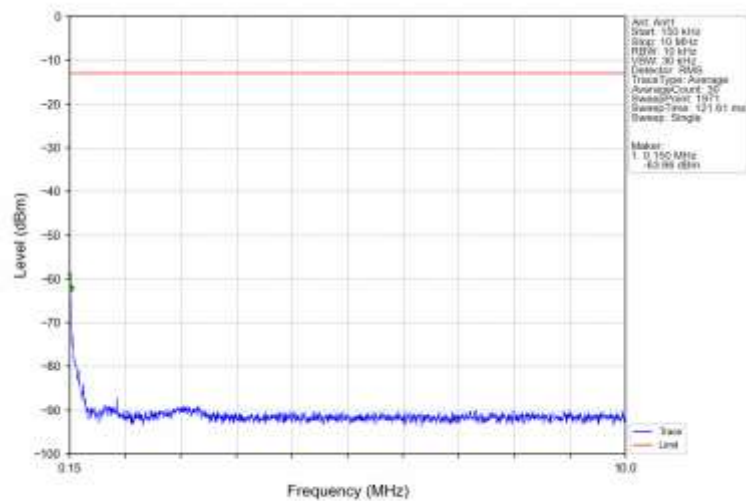
Band5 1.4MHz 16QAM LCH 824.7MHz RB 6 0 NTNV



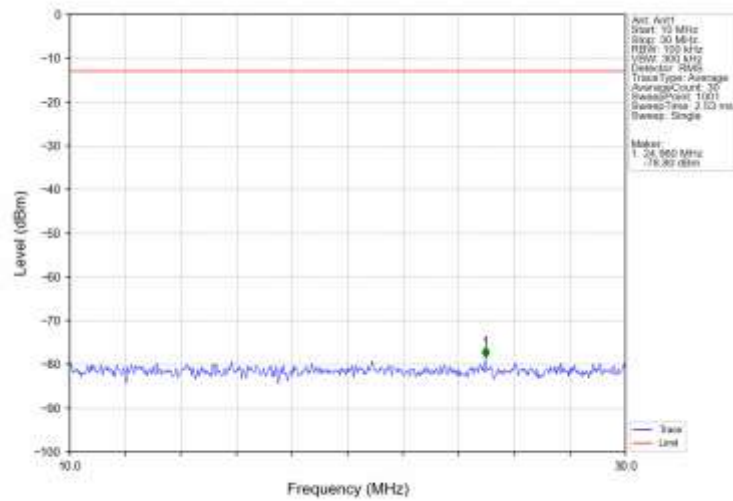
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



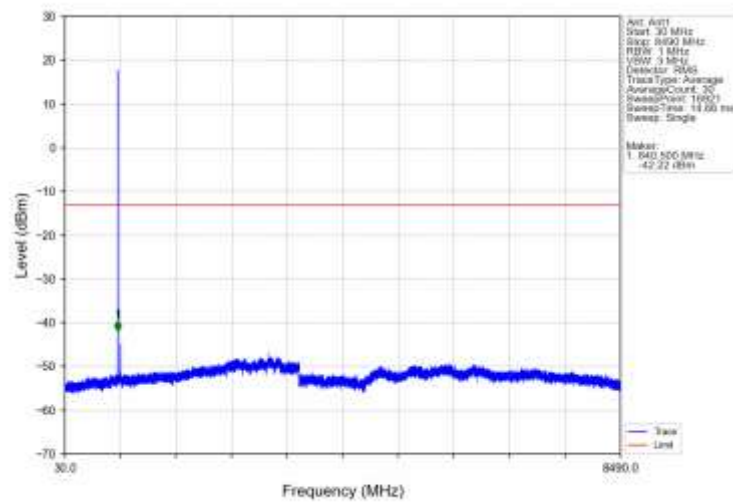
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



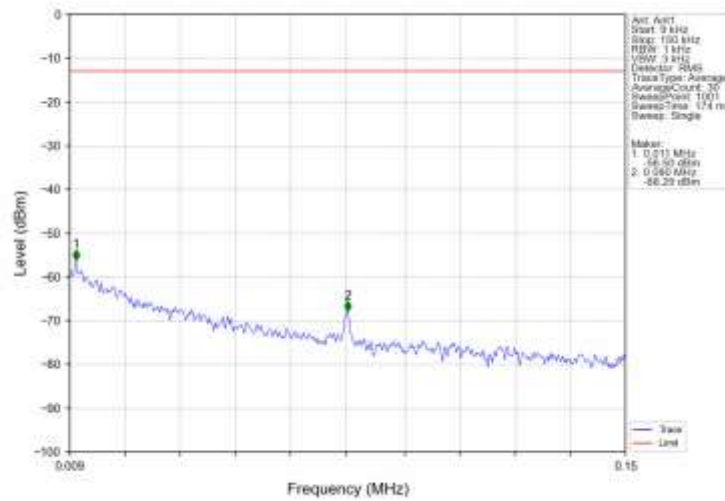
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



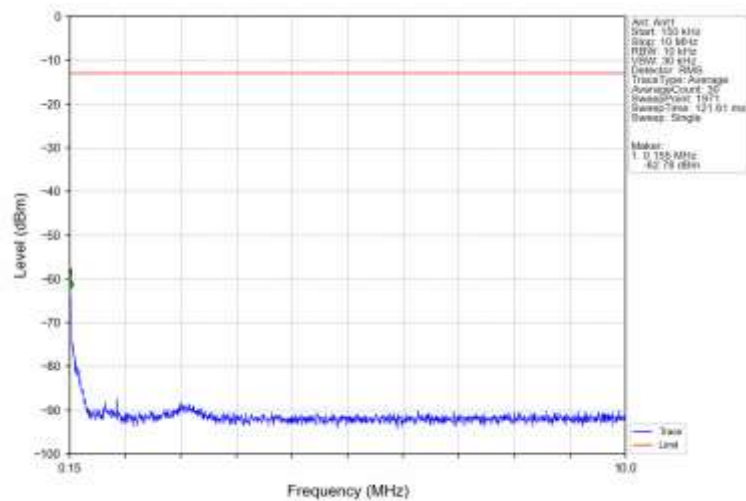
Band5_1.4MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



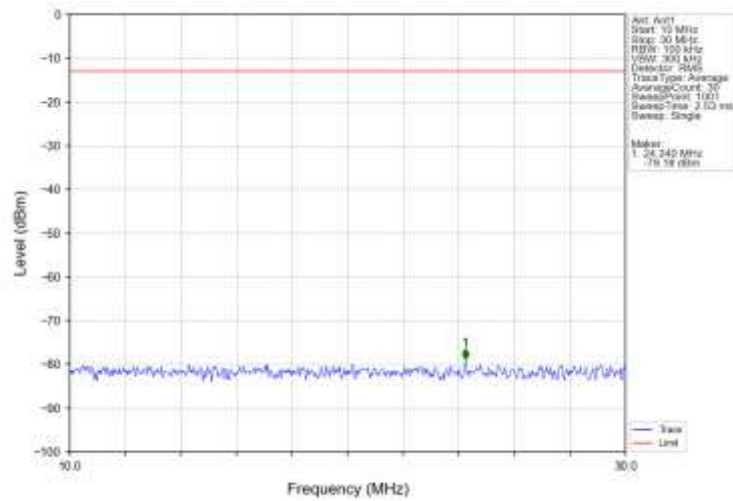
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



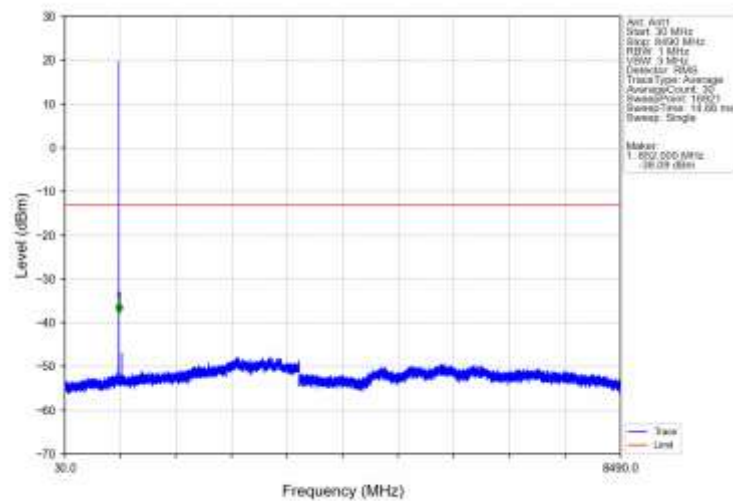
Band5_1.4MHz_16QAM_HCH_848.3MHz_RB_1_0_NTNV



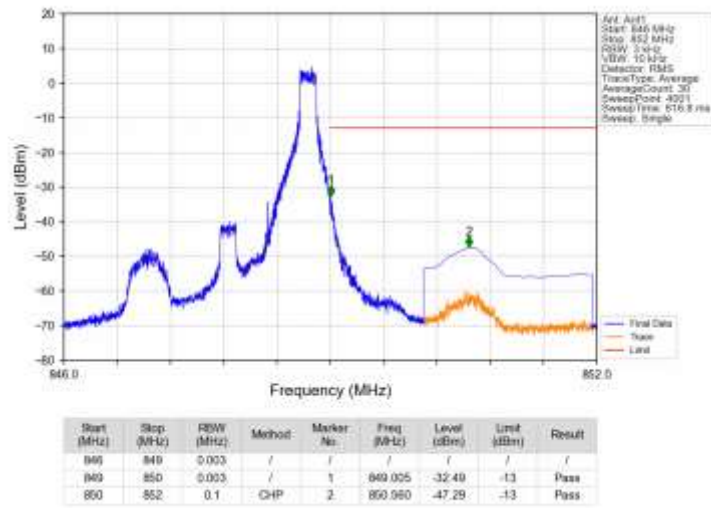
Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTV



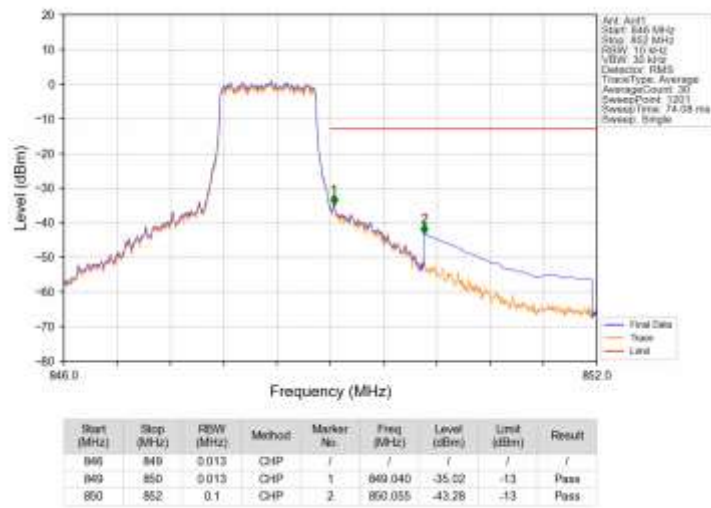
Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 0 NTV



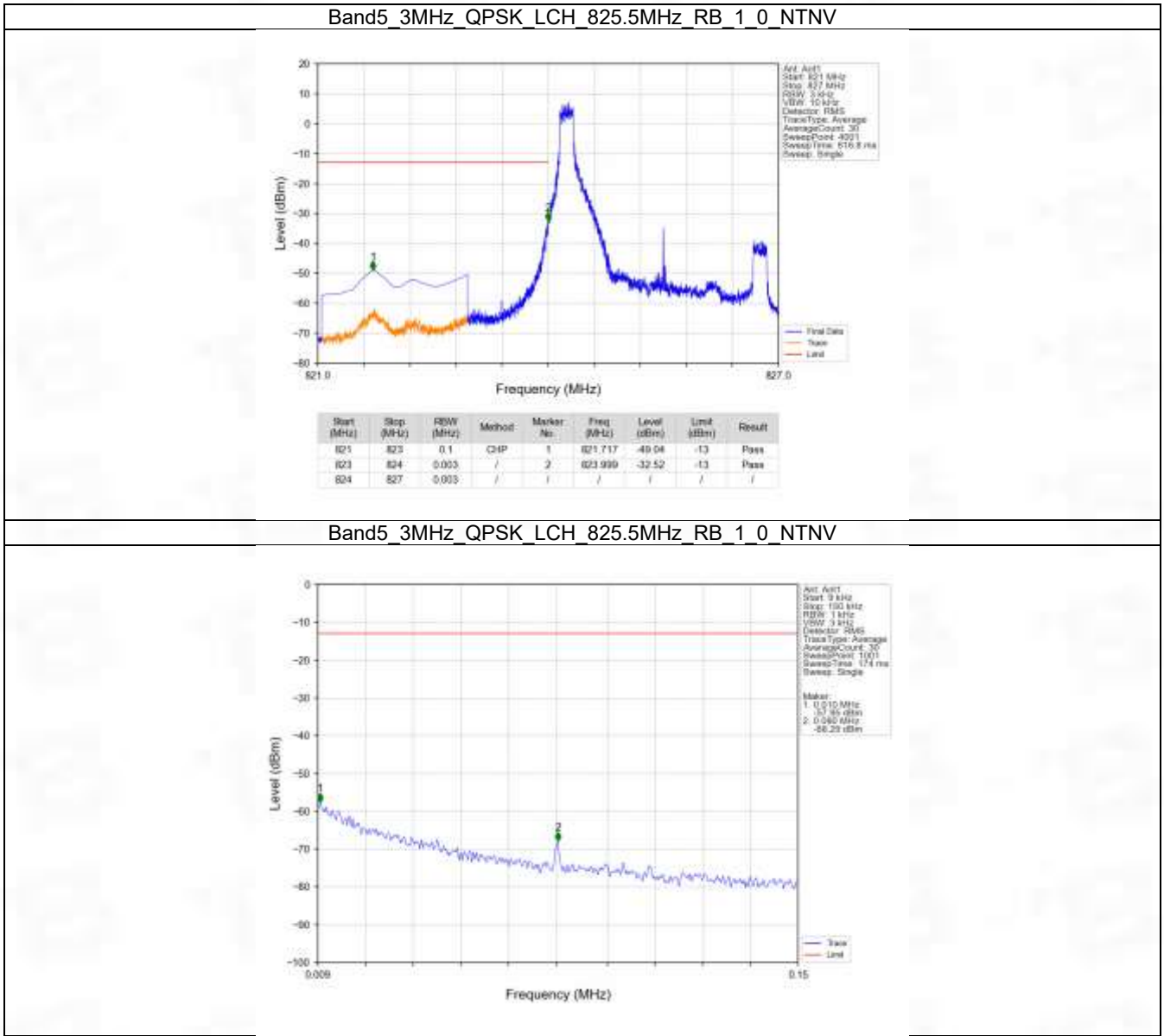
Band5 1.4MHz 16QAM HCH 848.3MHz RB 1 5 NTNV



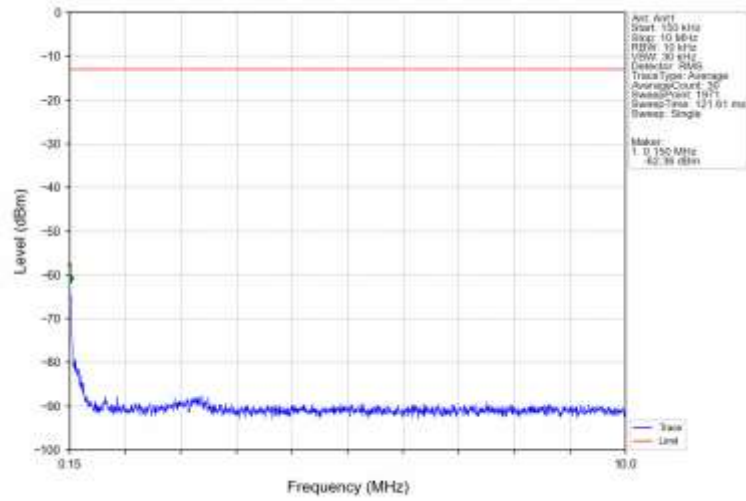
Band5 1.4MHz 16QAM HCH 848.3MHz RB 6 0 NTNV



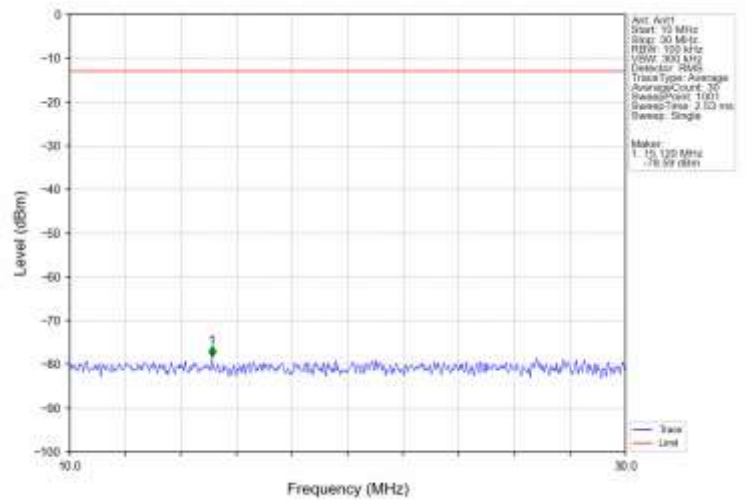
6.2.2 B5_3MHz



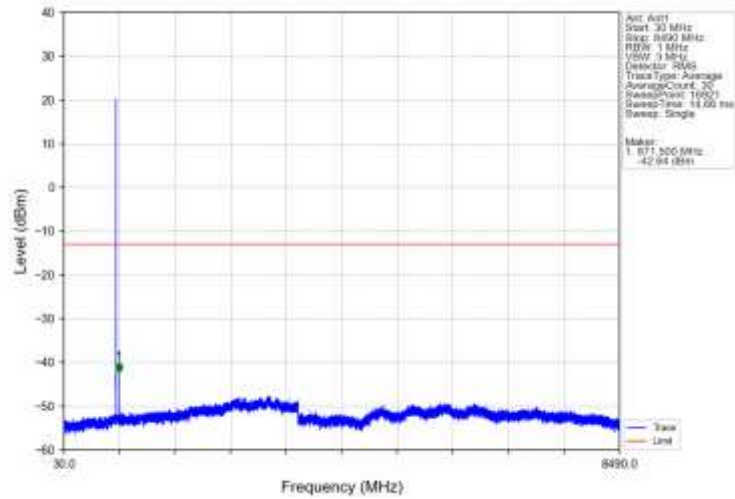
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



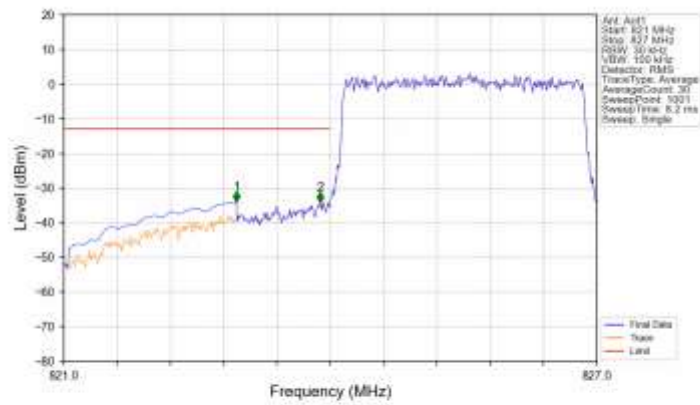
Band5_3MHz_QPSK_LCH_825.5MHz_RB_1_0_NTNV



Band5 3MHz QPSK LCH 825.5MHz RB 1 0 NTNV

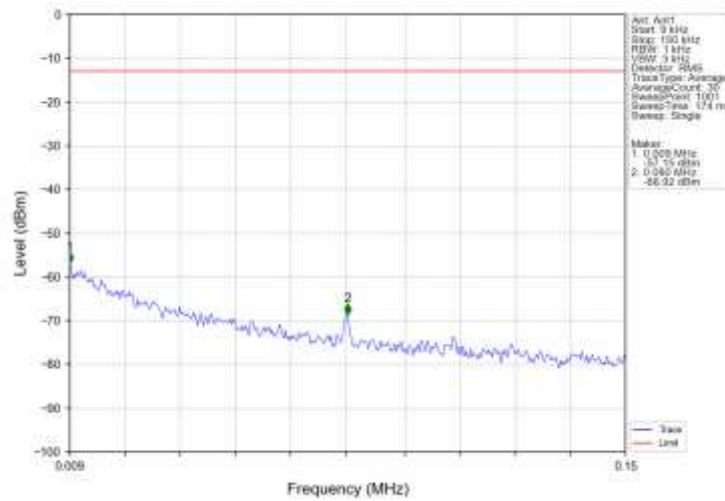


Band5_3MHz_QPSK_LCH_825.5MHz_RB_15_0_NTNV

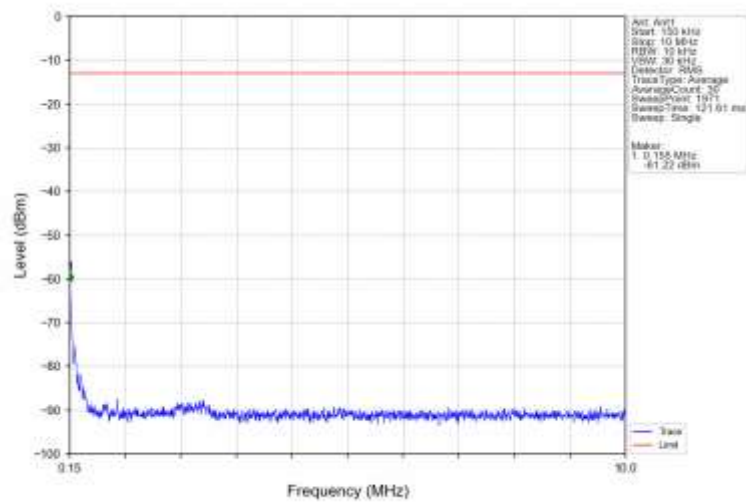


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
823	823	0.1	C4P	1	822.944	-34.10	-13	Pass
823	824	0.03	/	2	823.886	-34.15	-13	Pass
824	827	0.03	/	/	/	/	/	/

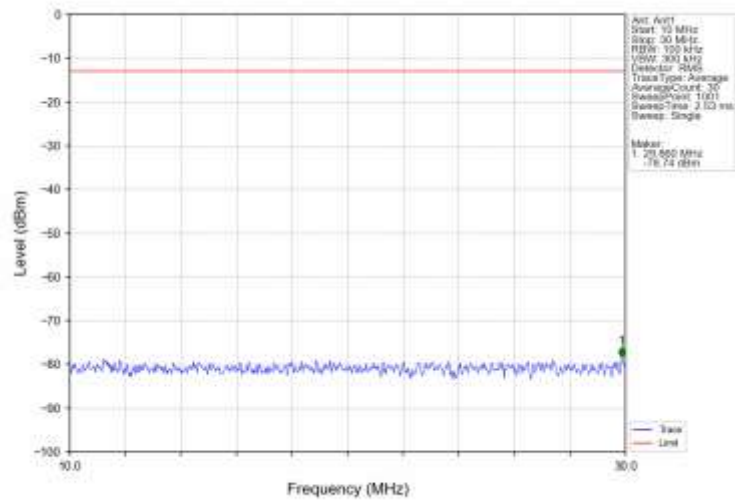
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTN



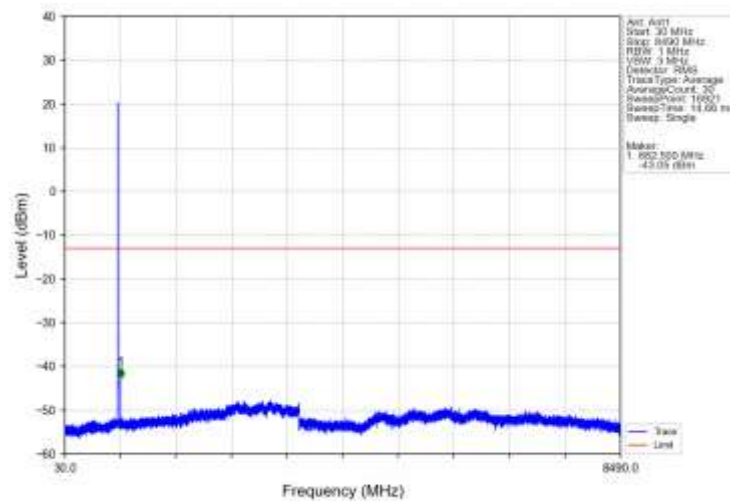
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTN



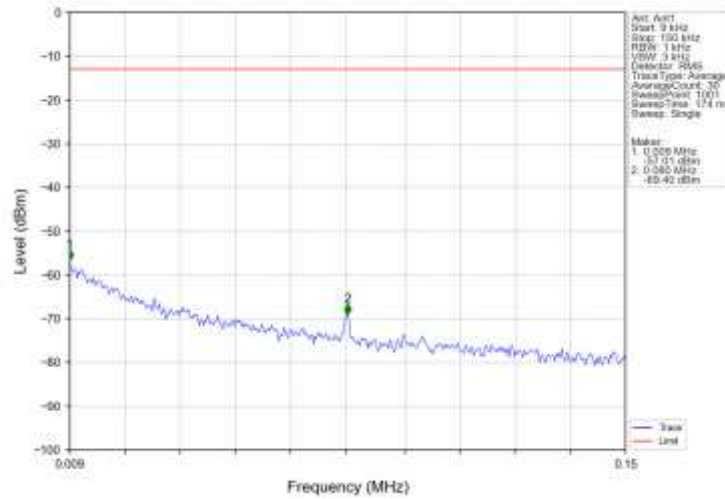
Band5 3MHz QPSK MCH 836.5MHz RB 1 0 NTN



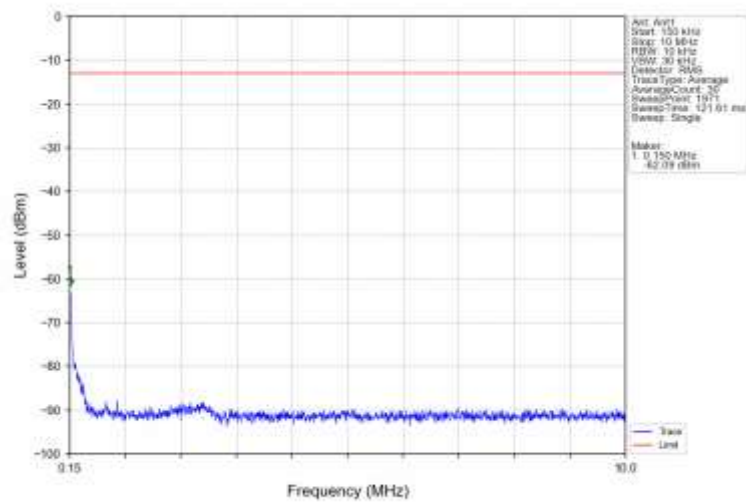
Band5_3MHz_QPSK_MCH_836.5MHz_RB_1_0_NTN



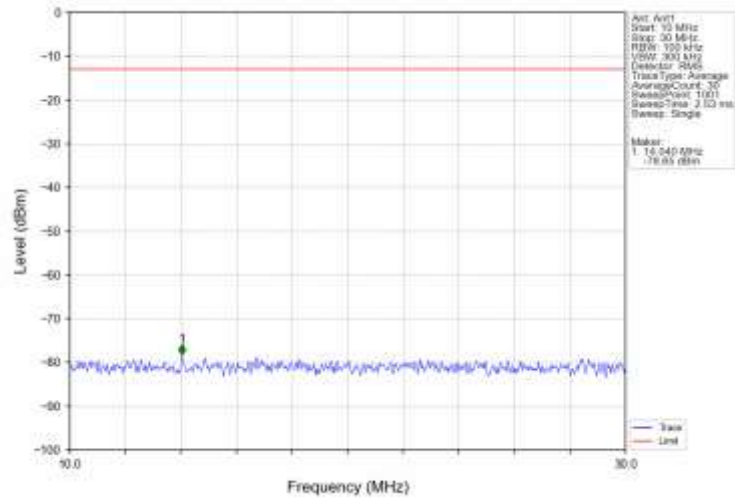
Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN



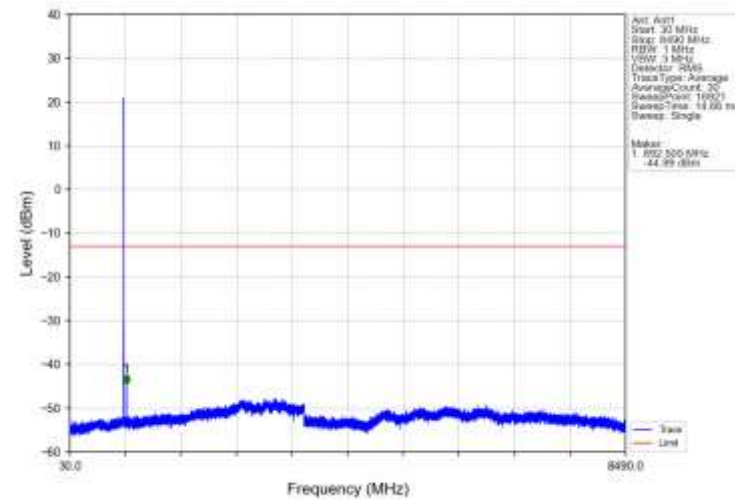
Band5_3MHz_QPSK_HCH_847.5MHz_RB_1_0_NTNV



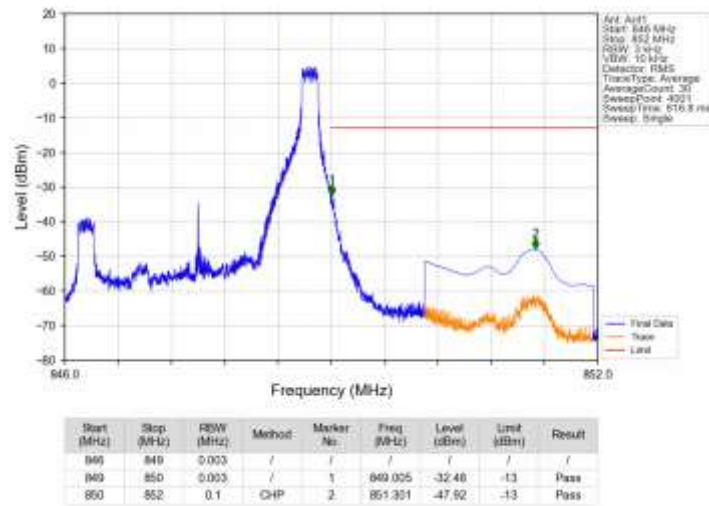
Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN



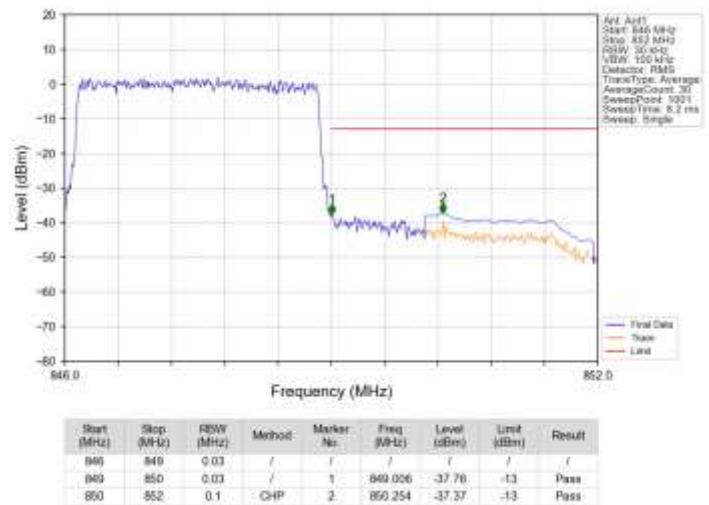
Band5 3MHz QPSK HCH 847.5MHz RB 1 0 NTN



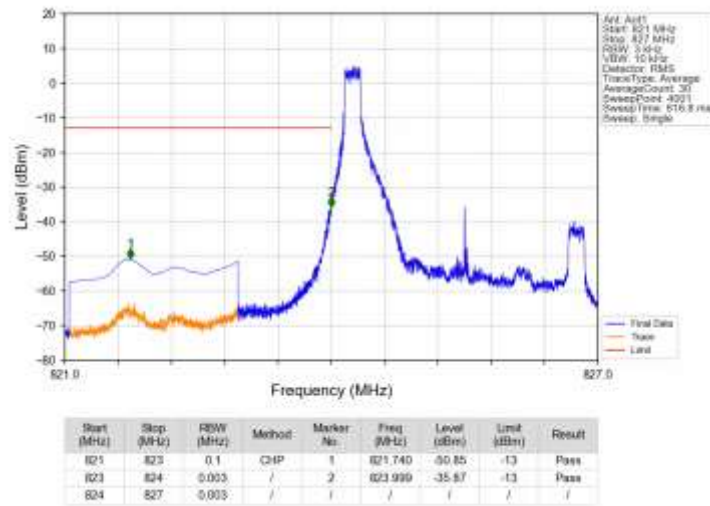
Band5 3MHz QPSK HCH 847.5MHz RB 1 14 NTN



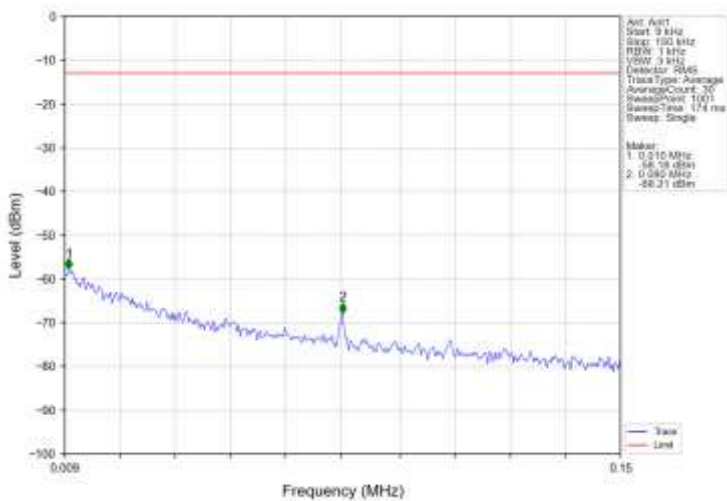
Band5 3MHz QPSK HCH 847.5MHz RB 15 0 NTN



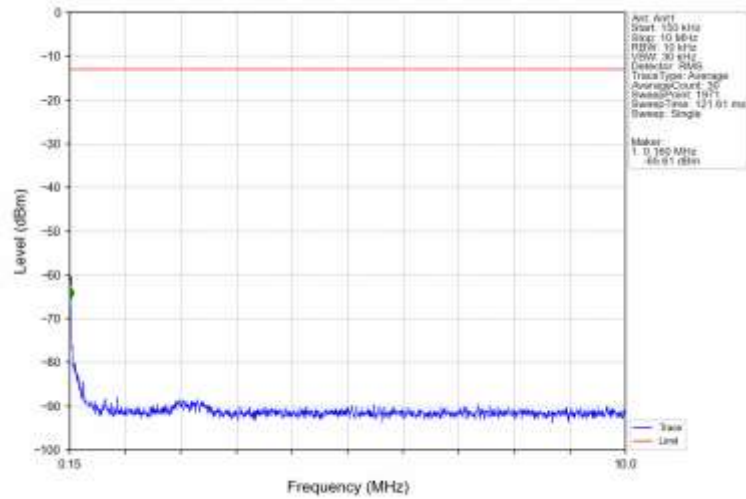
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



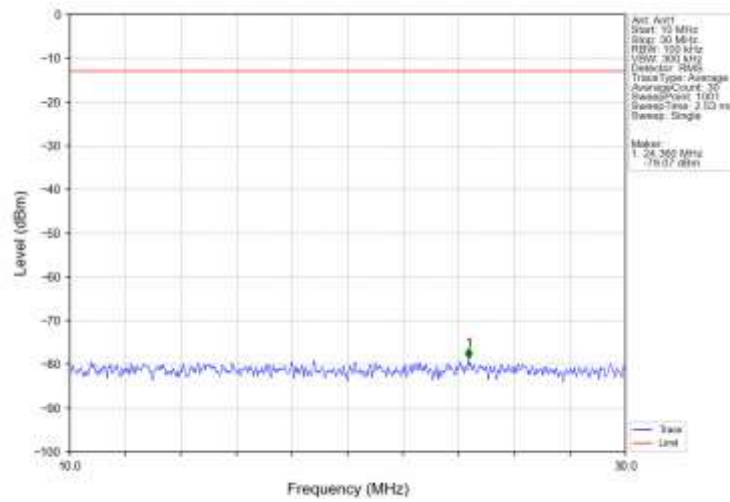
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



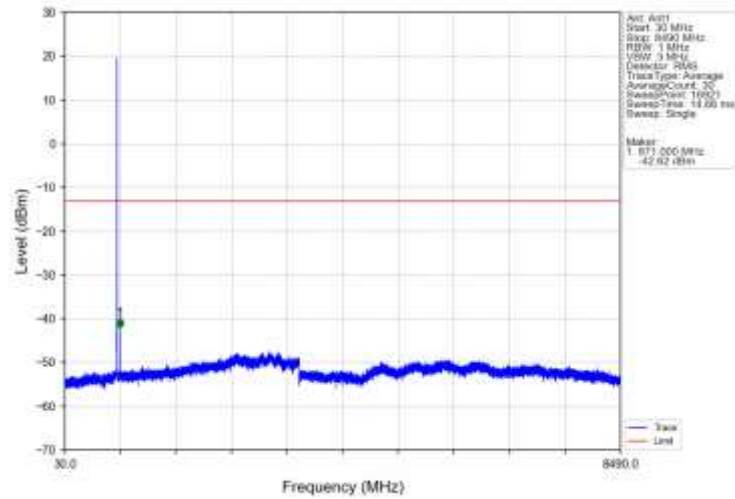
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



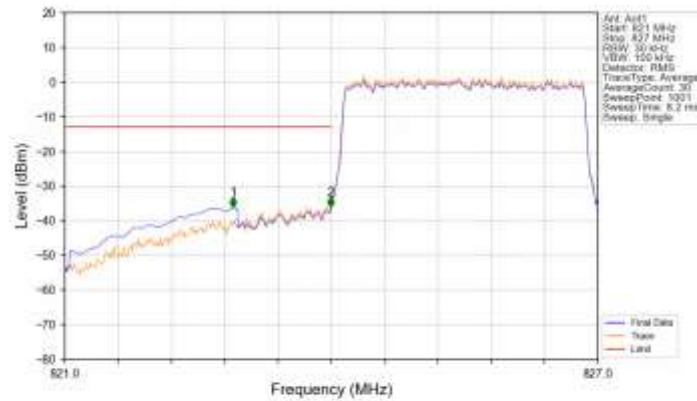
Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_16QAM_LCH_825.5MHz_RB_1_0_NTNV

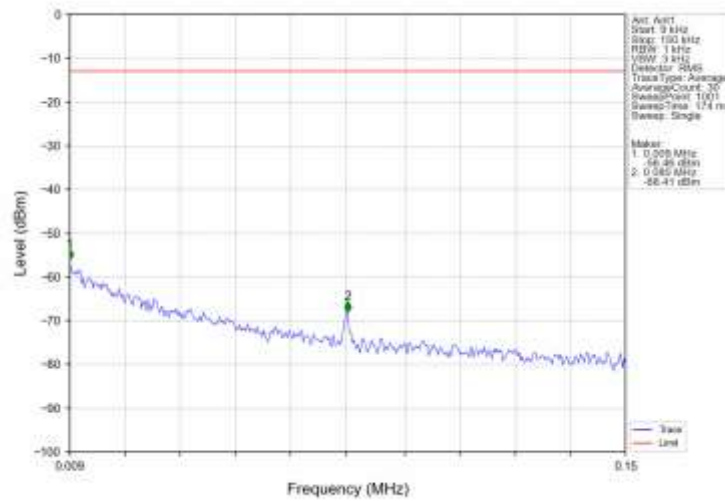


Band5_3MHz_16QAM_LCH_825.5MHz_RB_15_0_NTNV

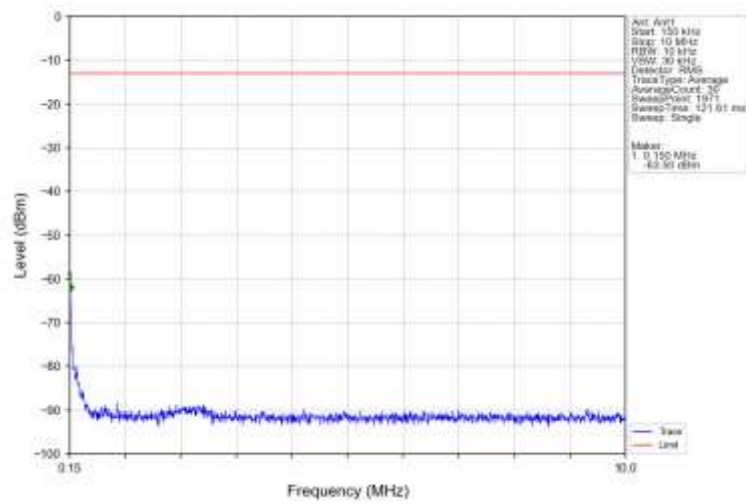


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
823	823	0.1	CHP	1	822.896	-36.26	-13	Pass
823	824	0.031	CHP	2	823.994	-36.26	-13	Pass
824	827	0.031	CHP	1	/	/	/	/

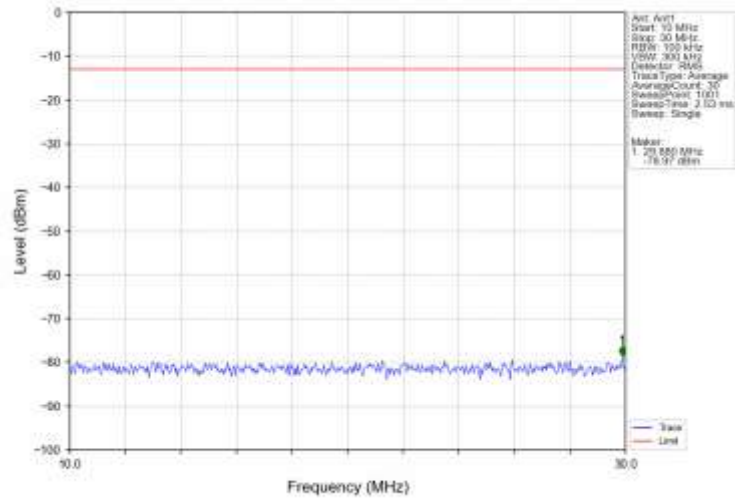
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



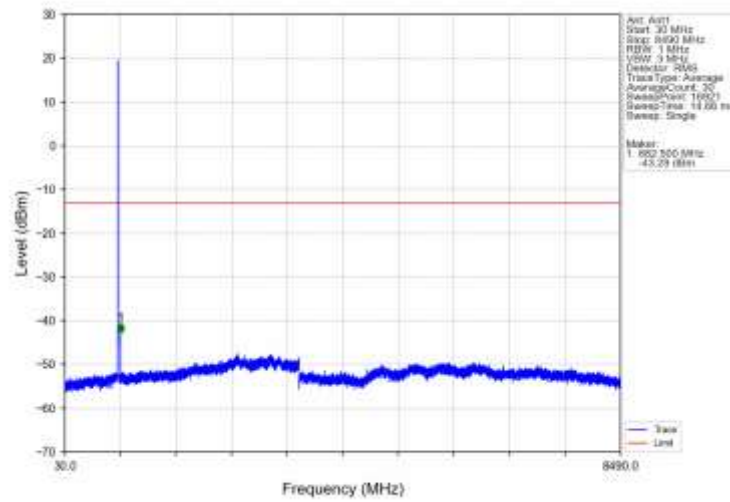
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



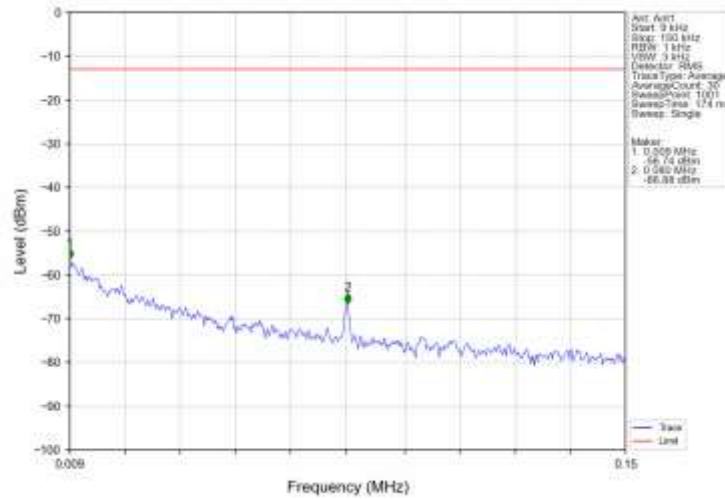
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



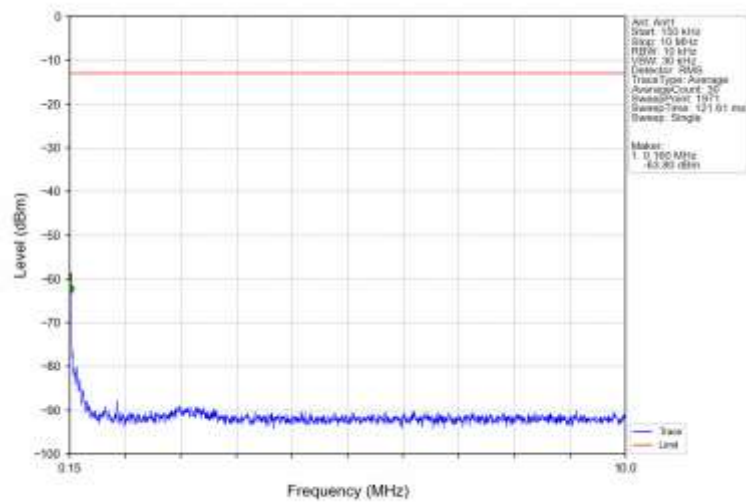
Band5 3MHz 16QAM MCH 836.5MHz RB 1 0 NTNV



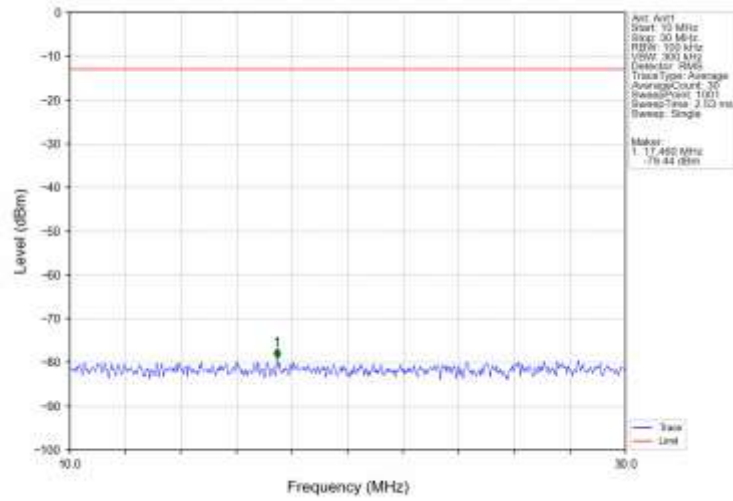
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



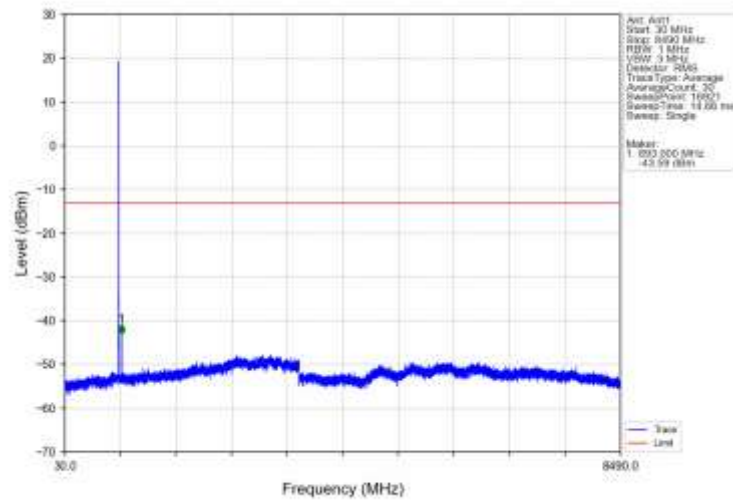
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



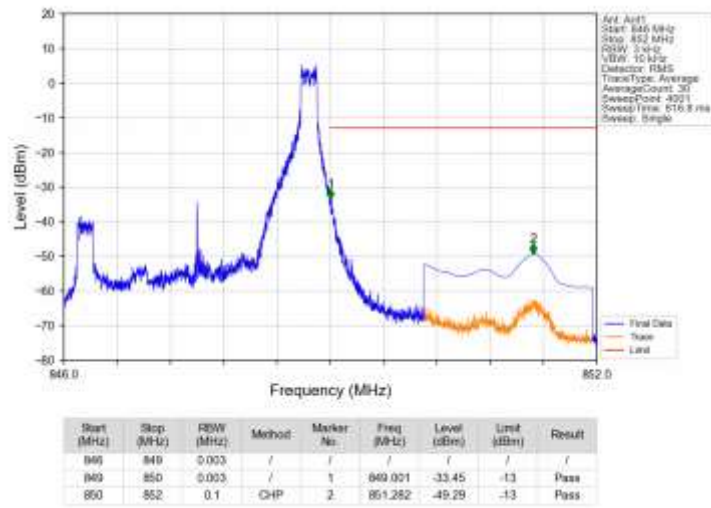
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



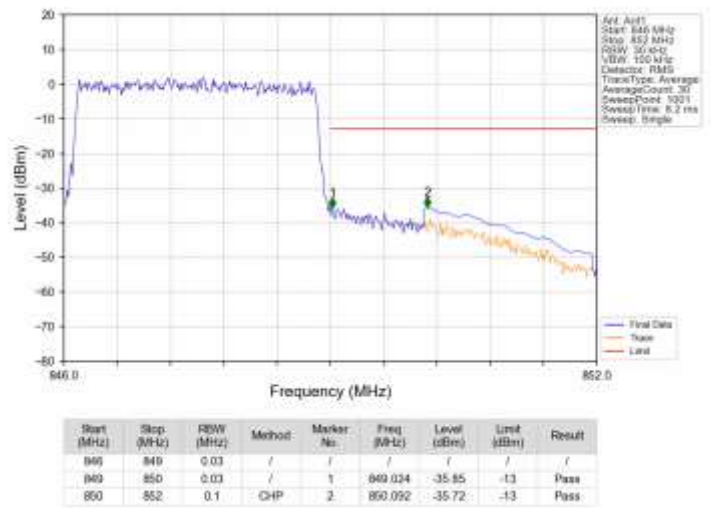
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_0_NTNV



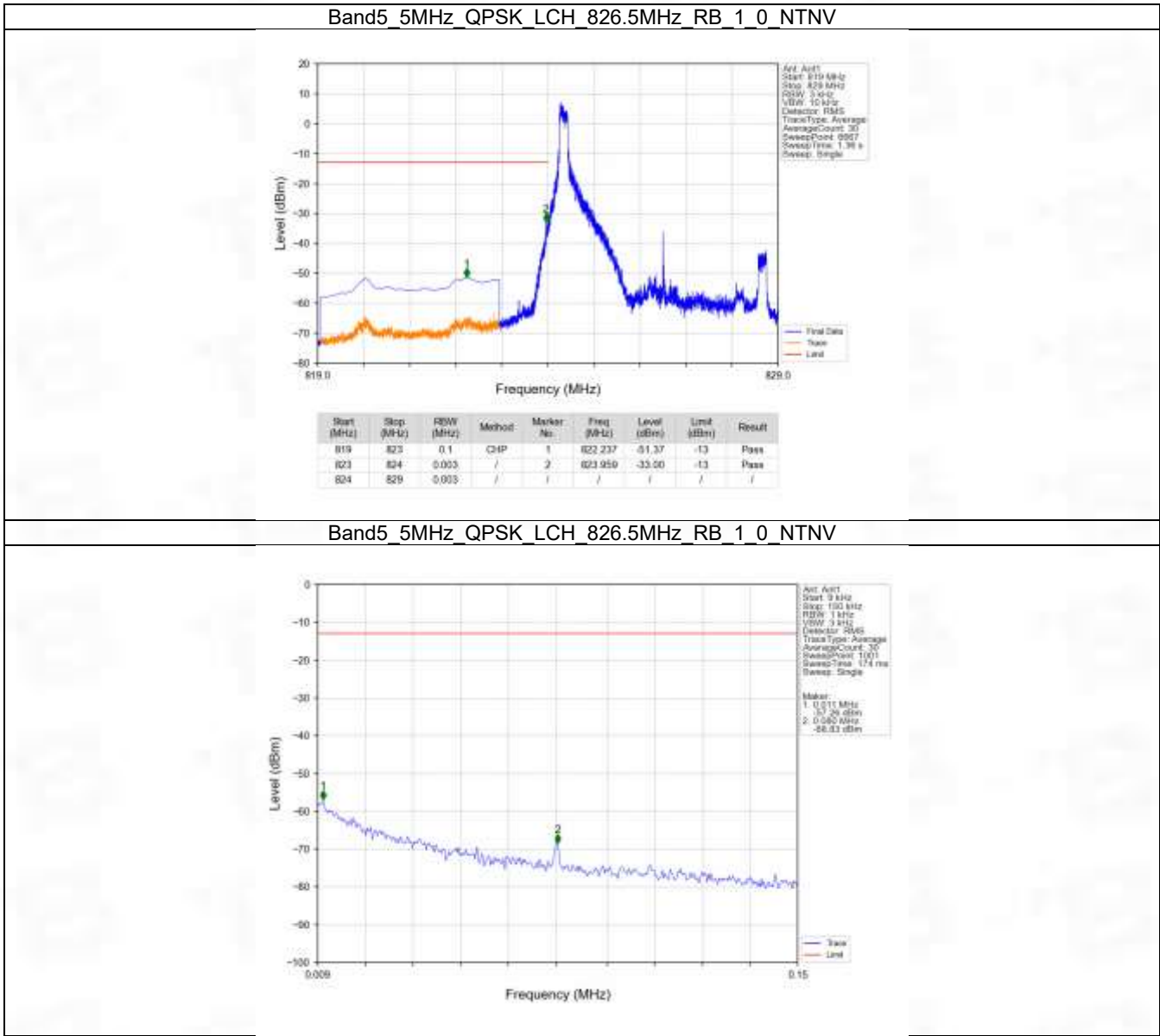
Band5_3MHz_16QAM_HCH_847.5MHz_RB_1_14_NTNV



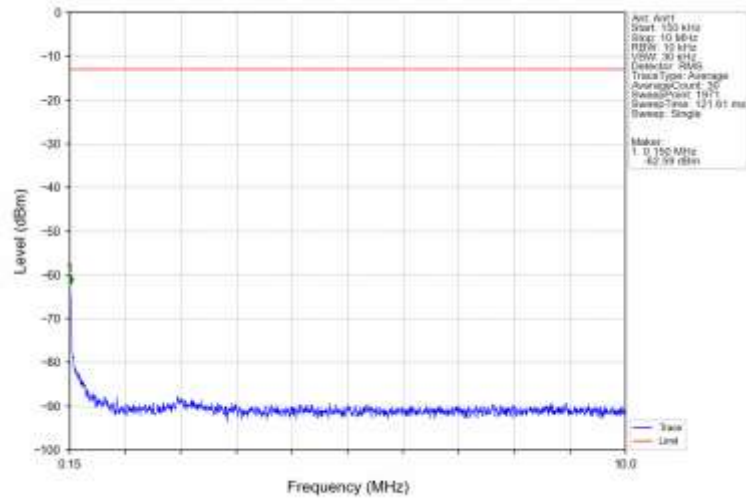
Band5_3MHz_16QAM_HCH_847.5MHz_RB_15_0_NTNV



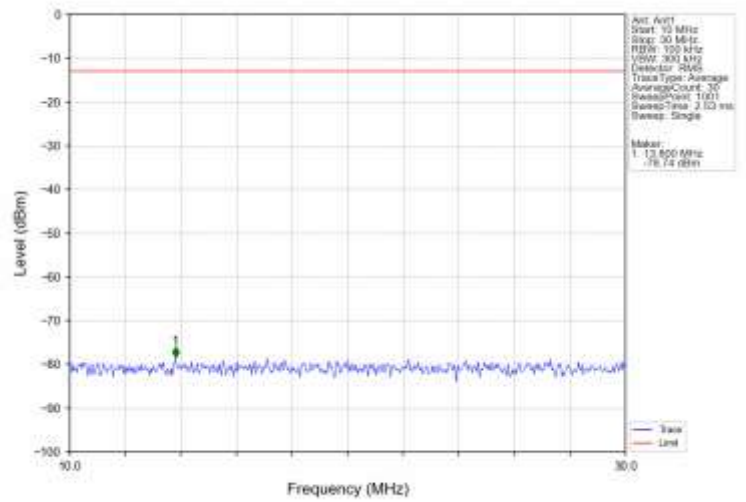
6.2.3 B5_5MHz



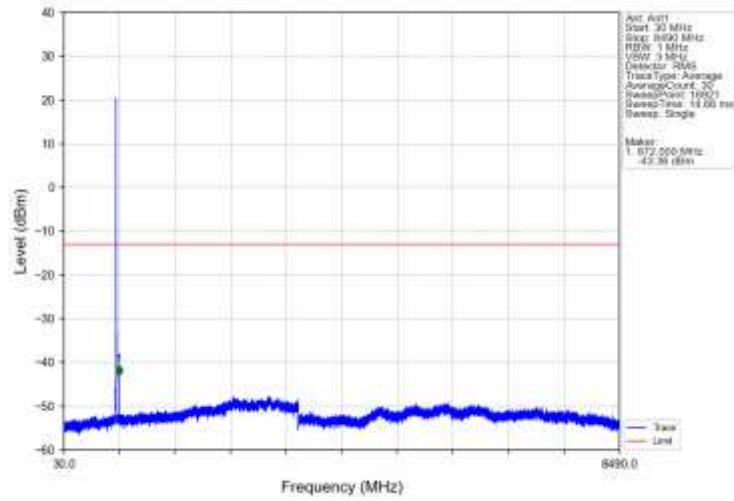
Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV



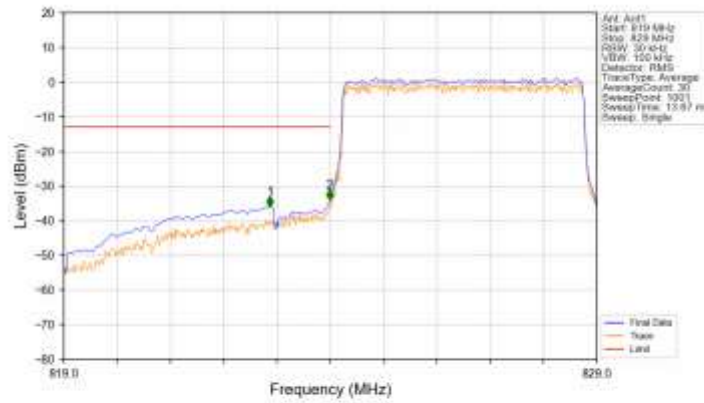
Band5_5MHz_QPSK_LCH_826.5MHz_RB_1_0_NTNV



Band5 5MHz QPSK LCH 826.5MHz RB 1 0 NTNV

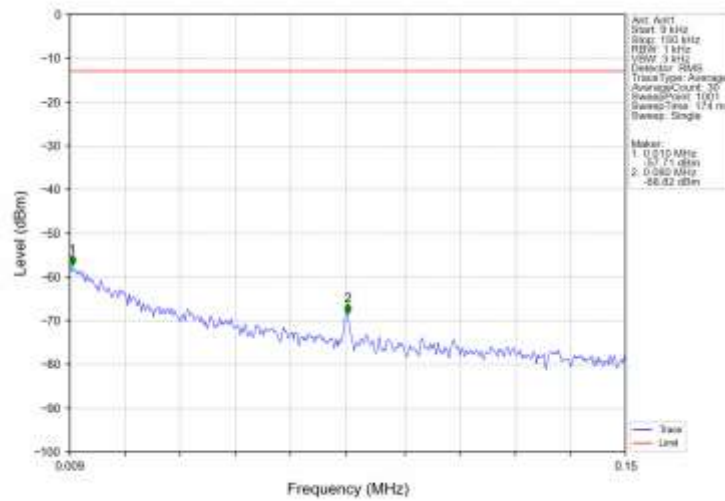


Band5_5MHz_QPSK_LCH_826.5MHz_RB_25_0_NTNV

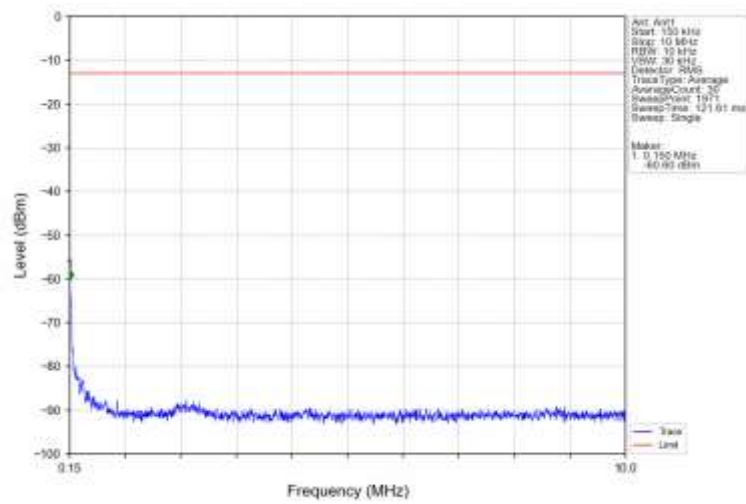


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.870	-35.97	-13	Pass
823	824	0.05	CHP	2	823.990	-34.12	-13	Pass
824	829	0.05	CHP	1	/	/	/	/

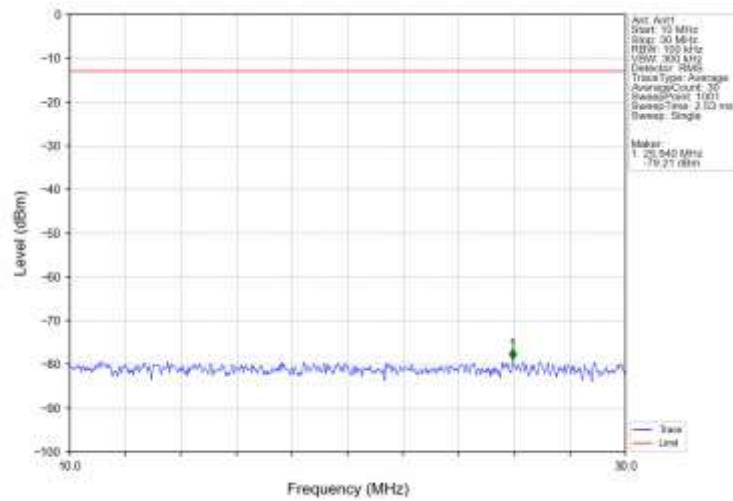
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



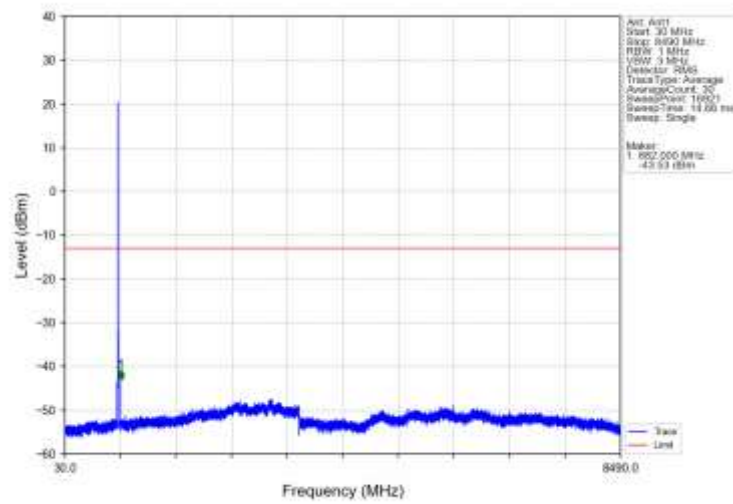
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



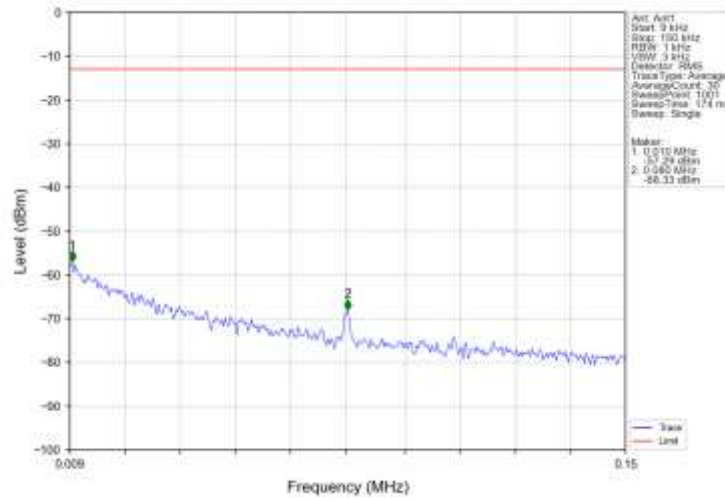
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



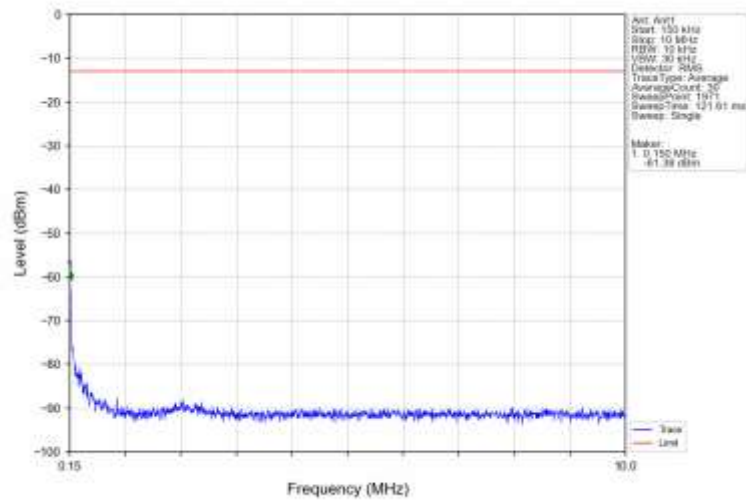
Band5_5MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



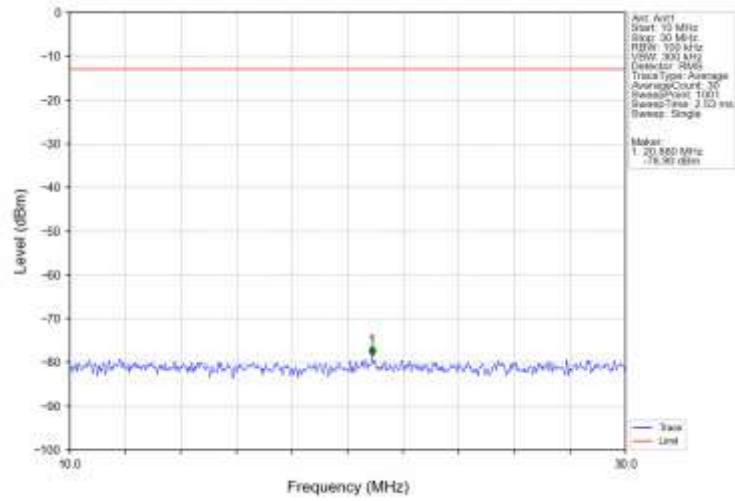
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



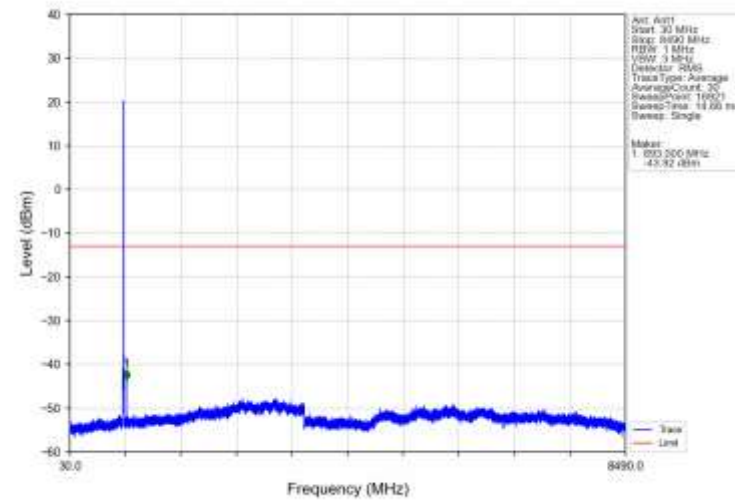
Band5_5MHz_QPSK_HCH_846.5MHz_RB_1_0_NTNV



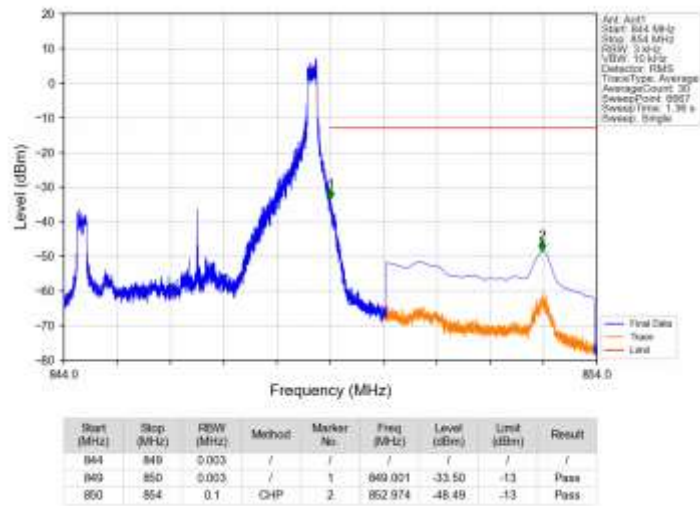
Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN



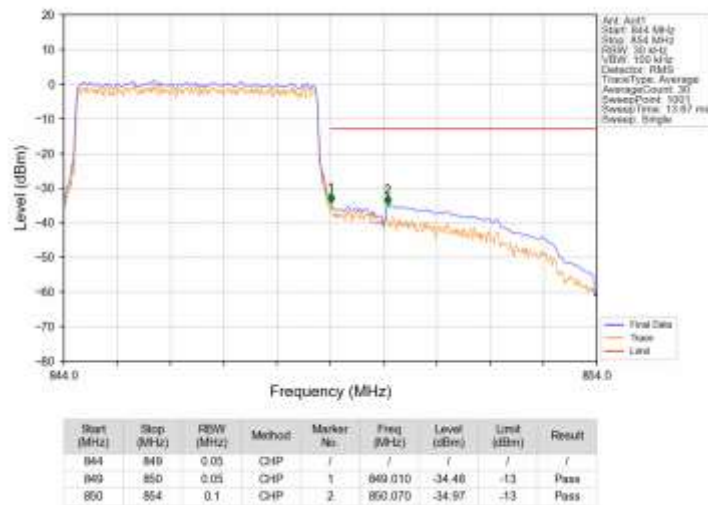
Band5 5MHz QPSK HCH 846.5MHz RB 1 0 NTN



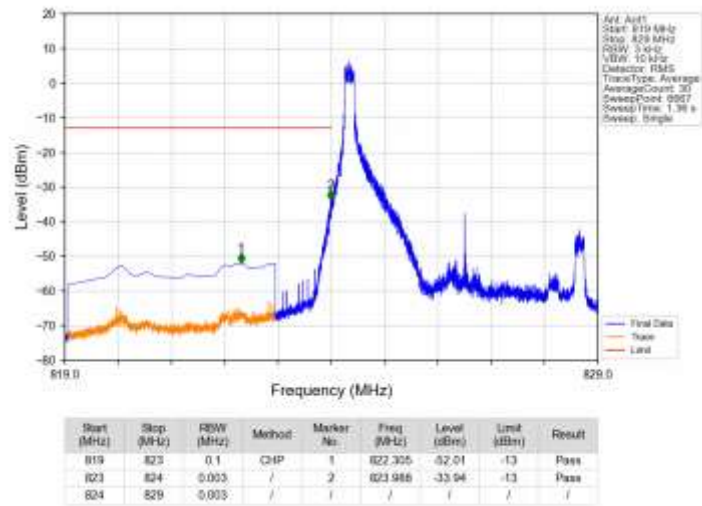
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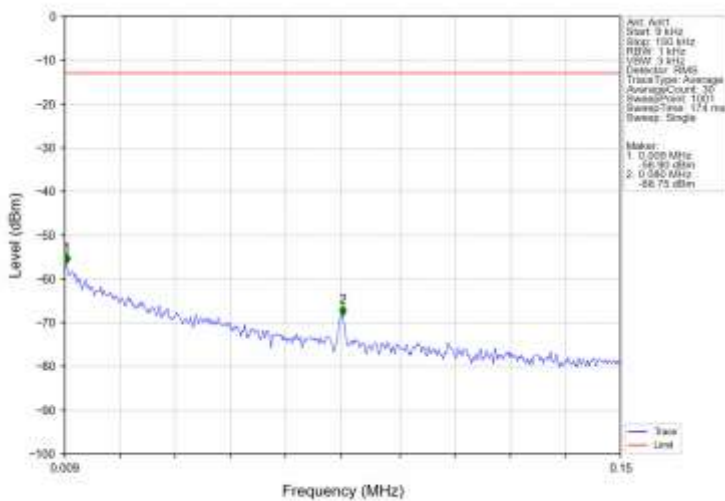
Band5 5MHz QPSK HCH 846.5MHz RB 25 0 NTN



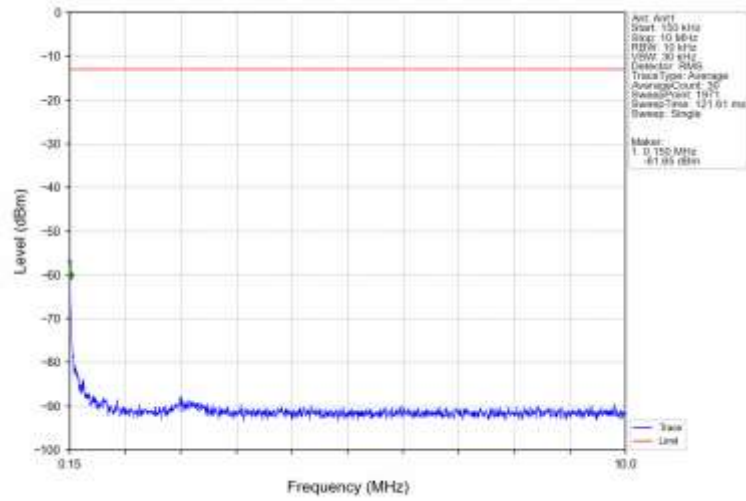
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



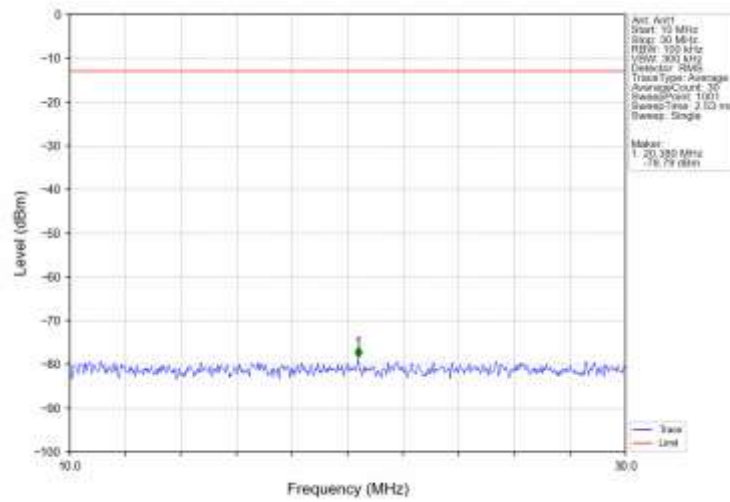
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



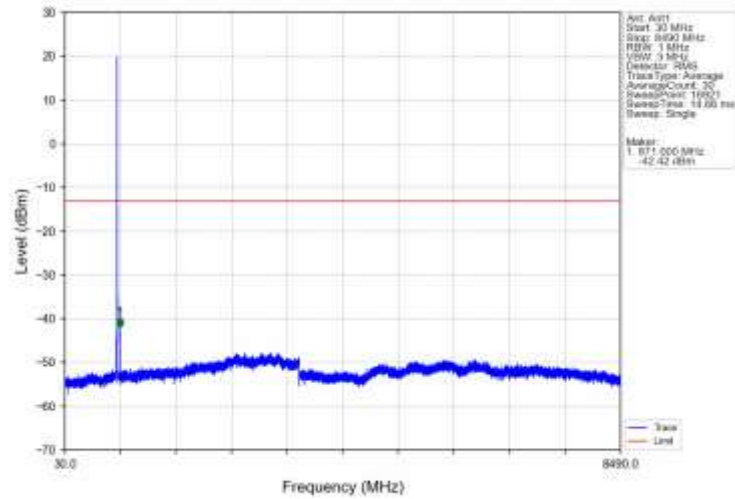
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



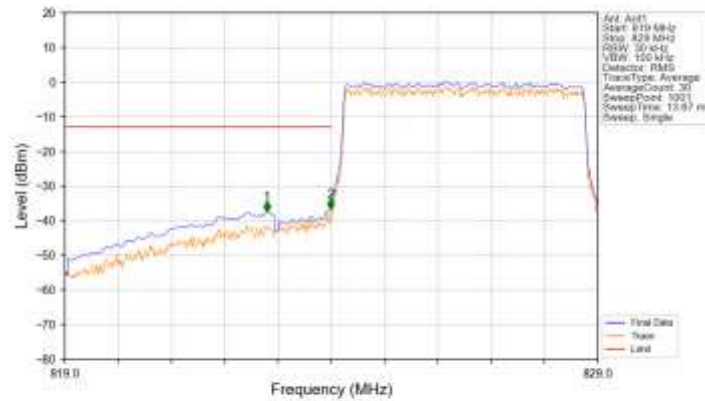
Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_16QAM_LCH_826.5MHz_RB_1_0_NTNV

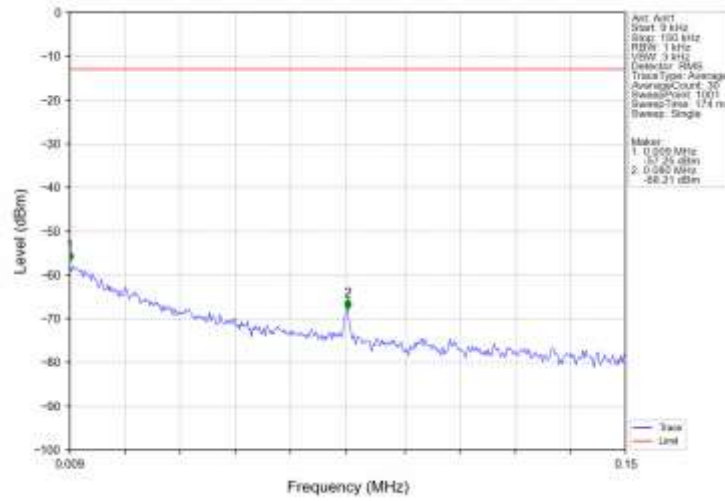


Band5_5MHz_16QAM_LCH_826.5MHz_RB_25_0_NTNV

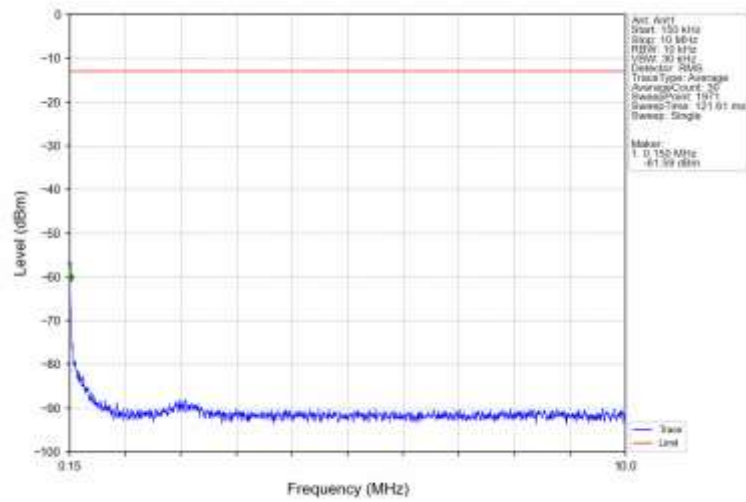


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.790	-37.42	-13	Pass
823	824	0.051	CHP	2	823.990	-36.71	-13	Pass
824	829	0.051	CHP	1	/	/	/	/

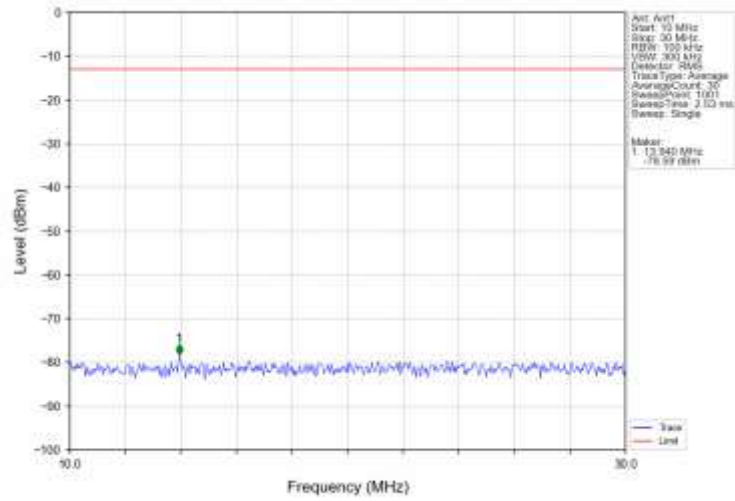
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



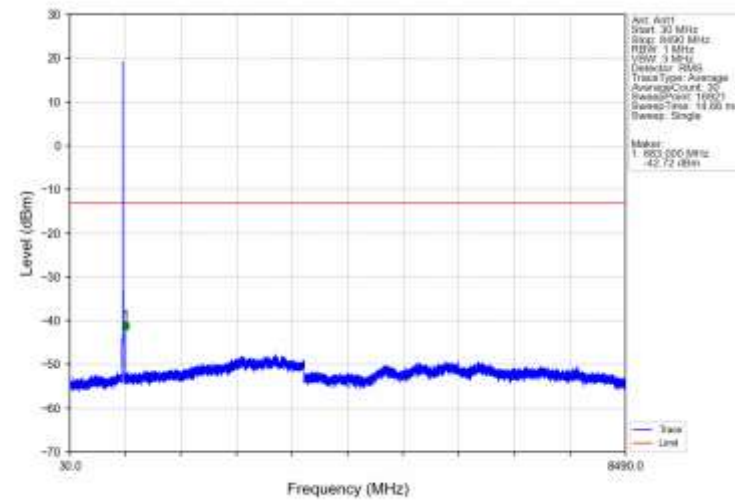
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



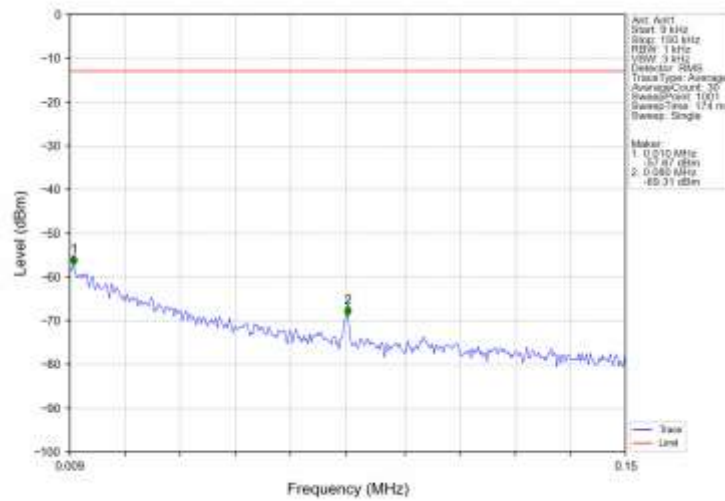
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



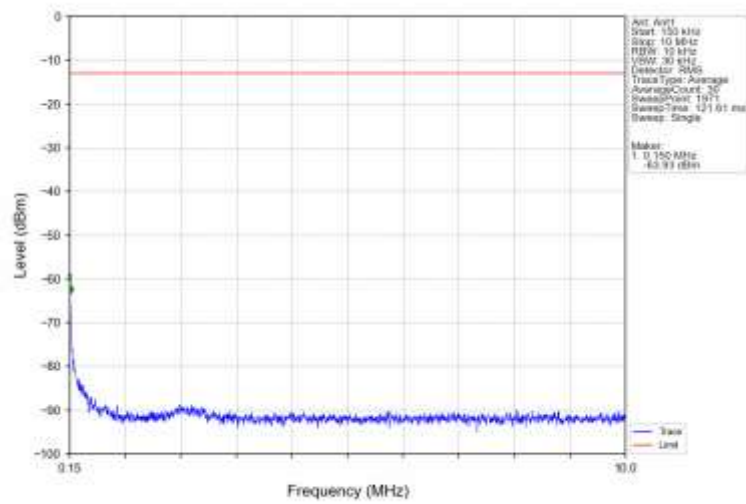
Band5_5MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



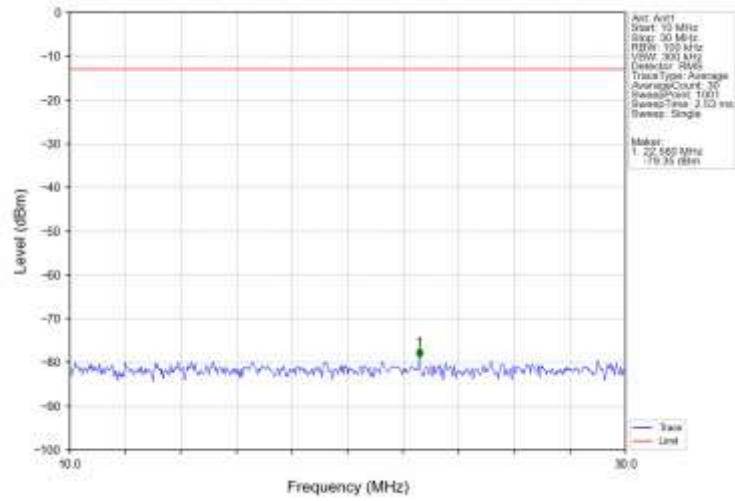
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



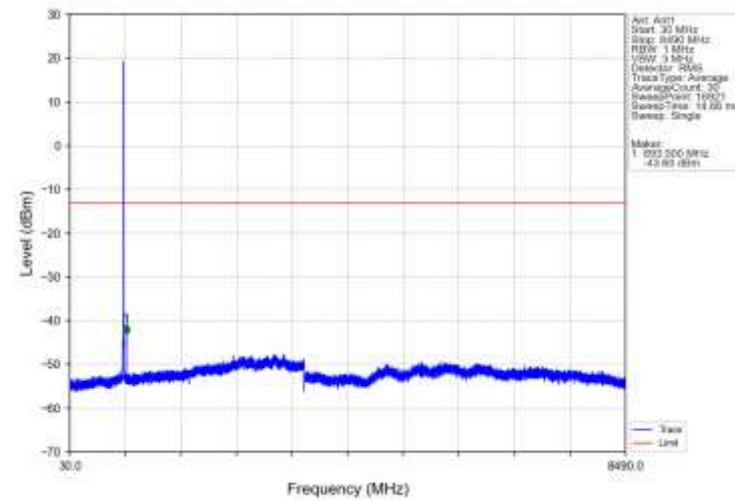
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



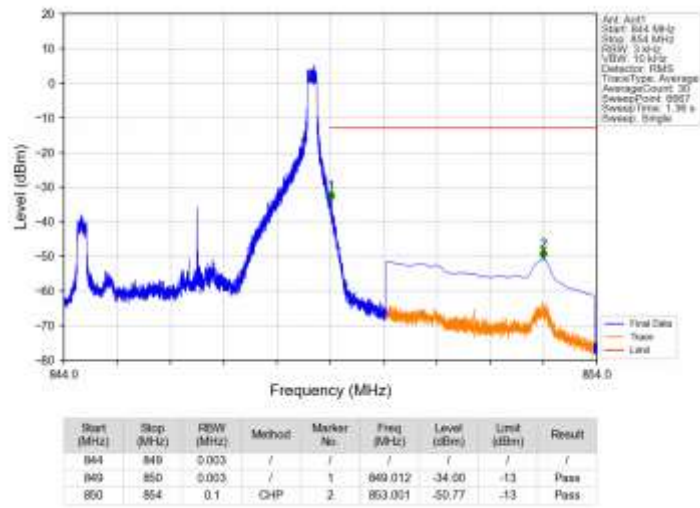
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



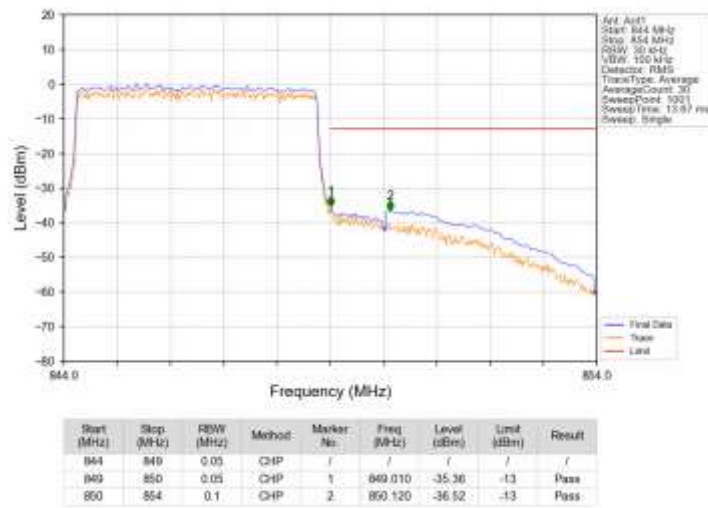
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_0_NTNV



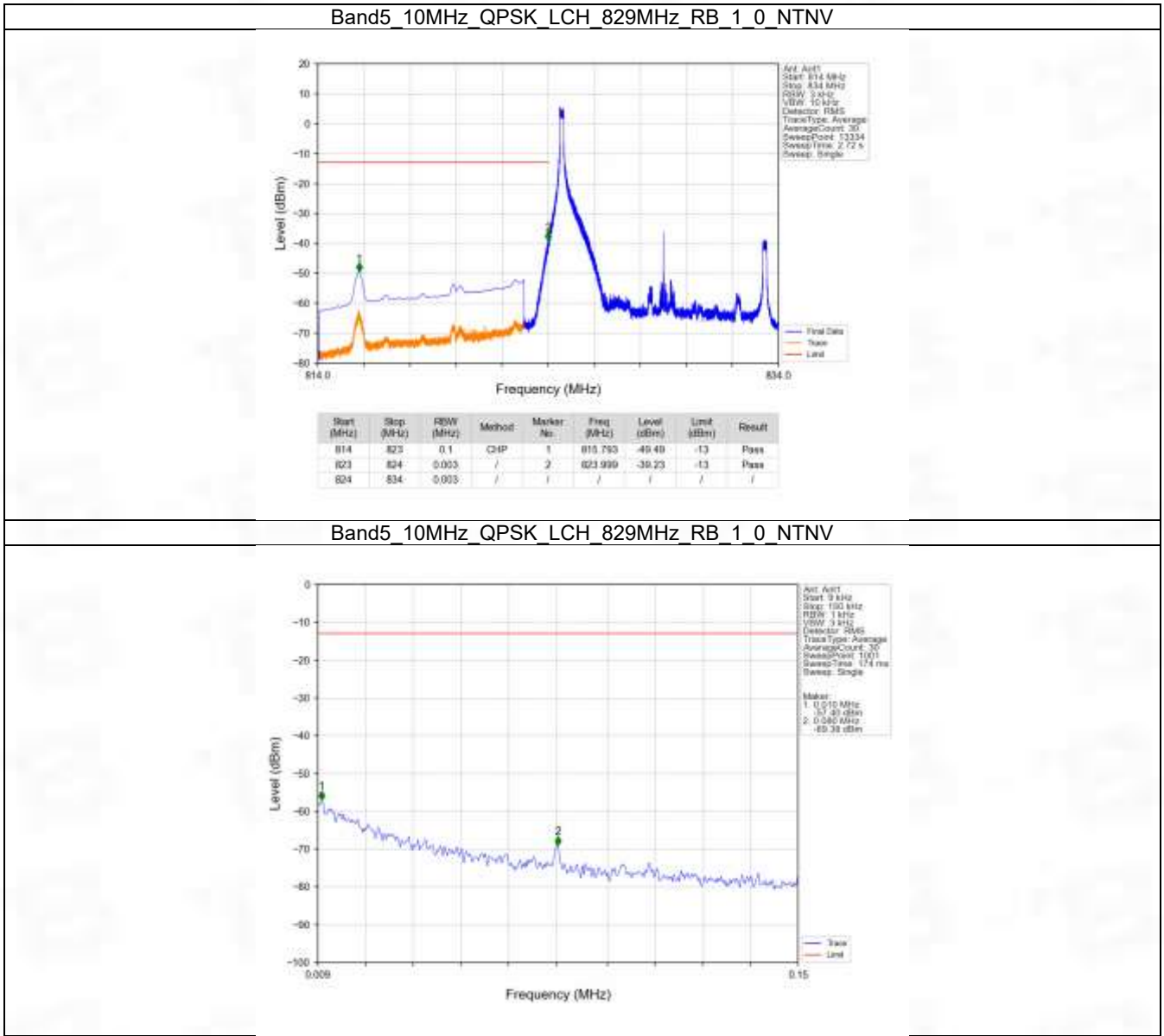
Band5_5MHz_16QAM_HCH_846.5MHz_RB_1_24_NTNV



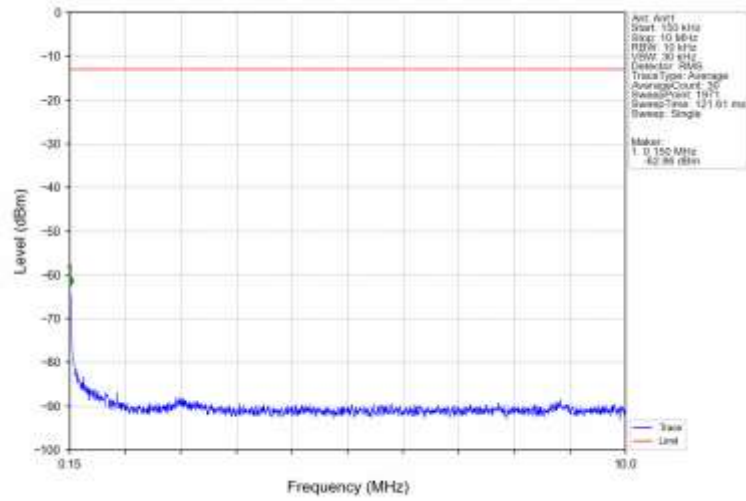
Band5_5MHz_16QAM_HCH_846.5MHz_RB_25_0_NTNV



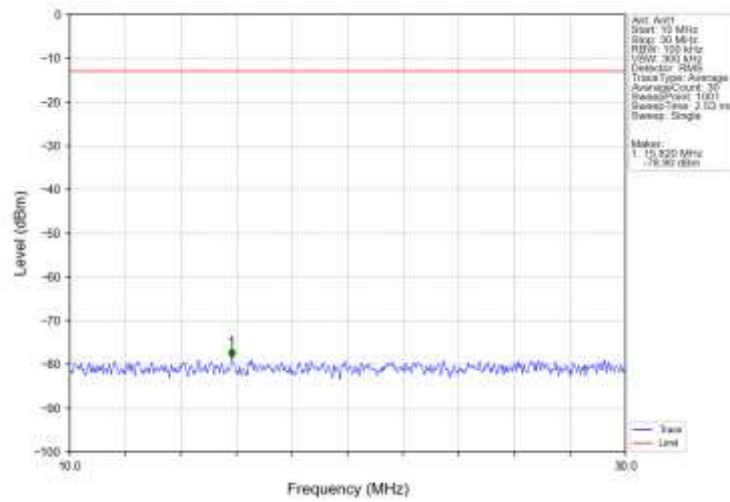
6.2.4 B5_10MHz



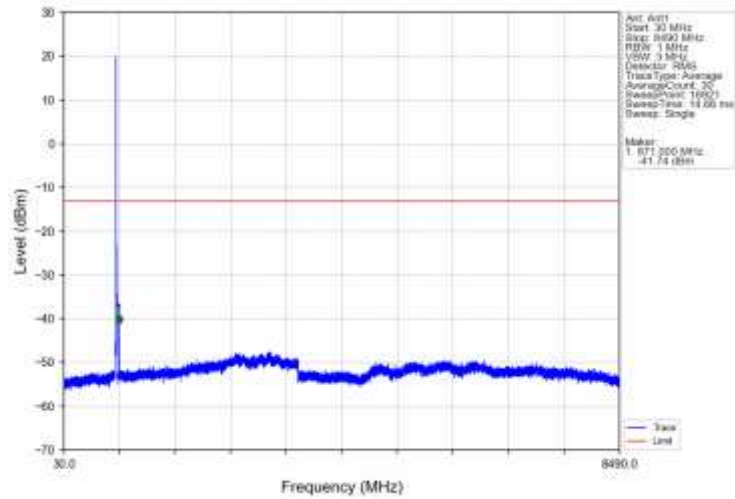
Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV



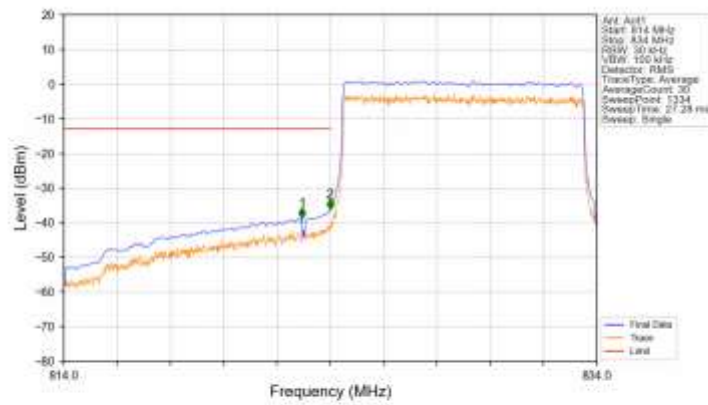
Band5 10MHz QPSK LCH 829MHz RB 1 0 NTNV



Band5_10MHz_QPSK_LCH_829MHz_RB_1_0_NTNV

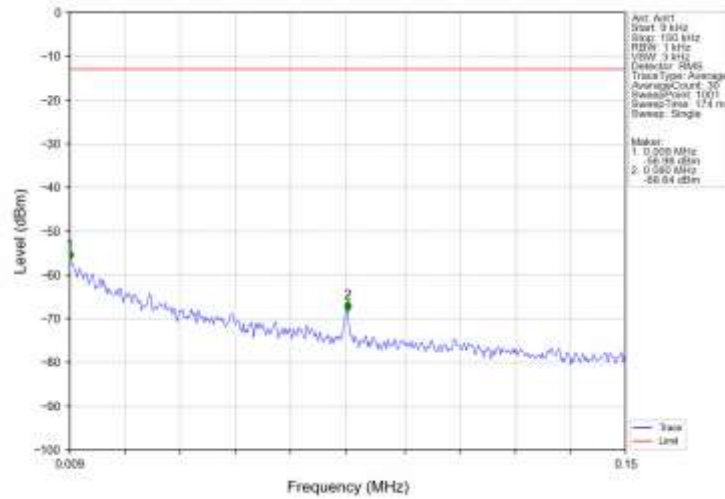


Band5_10MHz_QPSK_LCH_829MHz_RB_50_0_NTNV

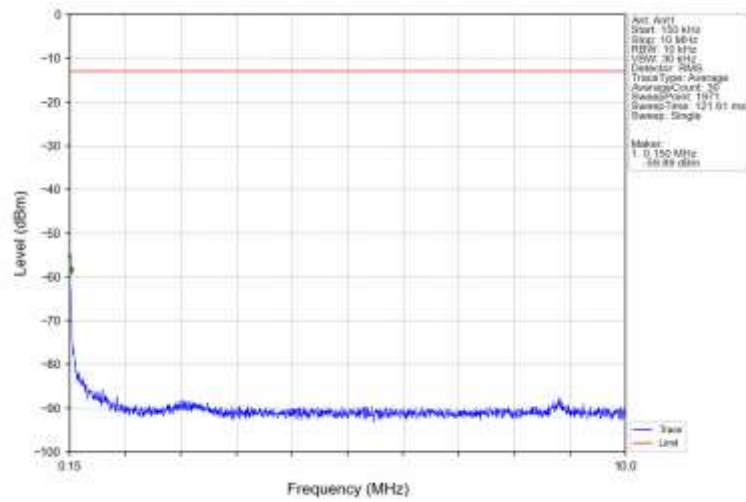


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.942	-38.81	-13	Pass
823	824	0.099	CHP	2	823.992	-36.20	-13	Pass
824	834	0.099	CHP	1	/	/	/	/

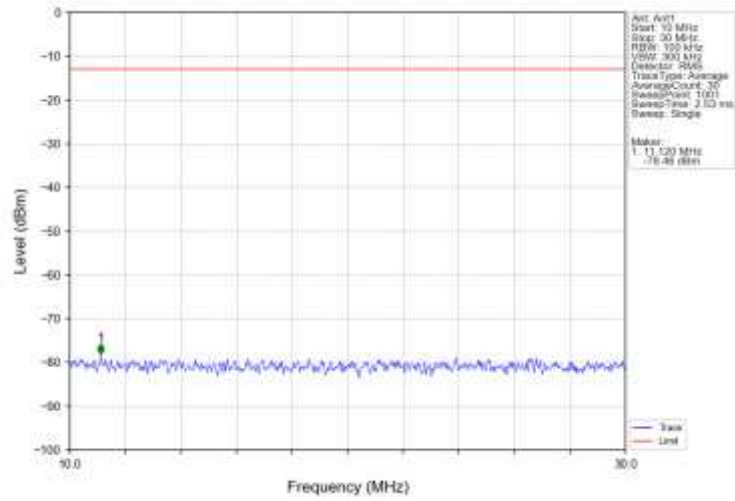
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



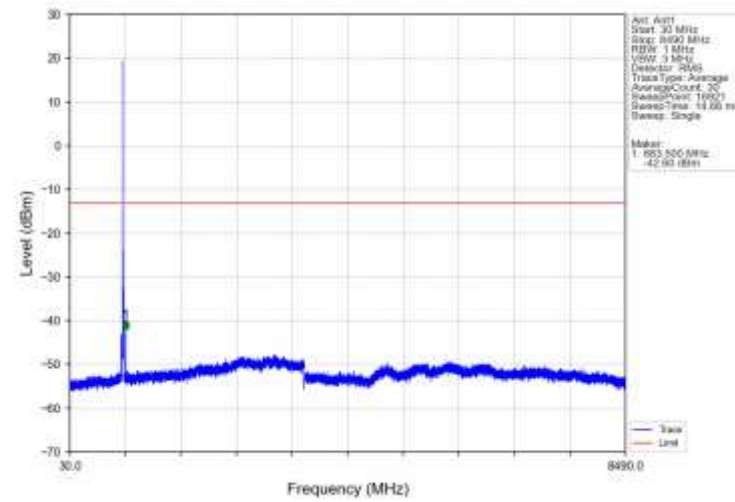
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



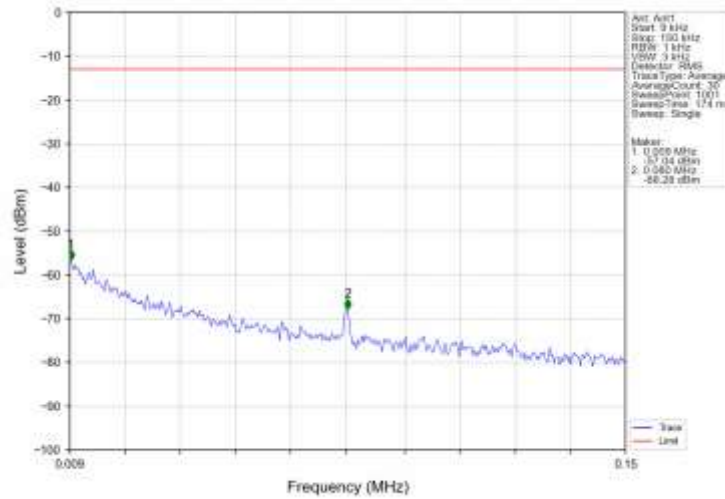
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



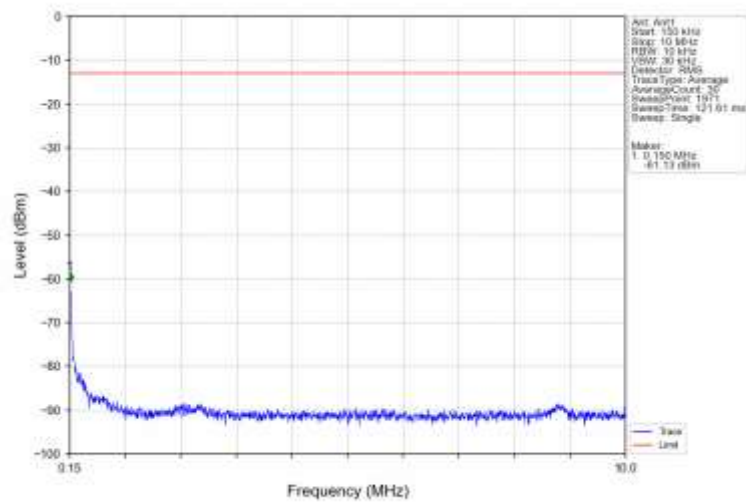
Band5_10MHz_QPSK_MCH_836.5MHz_RB_1_0_NTNV



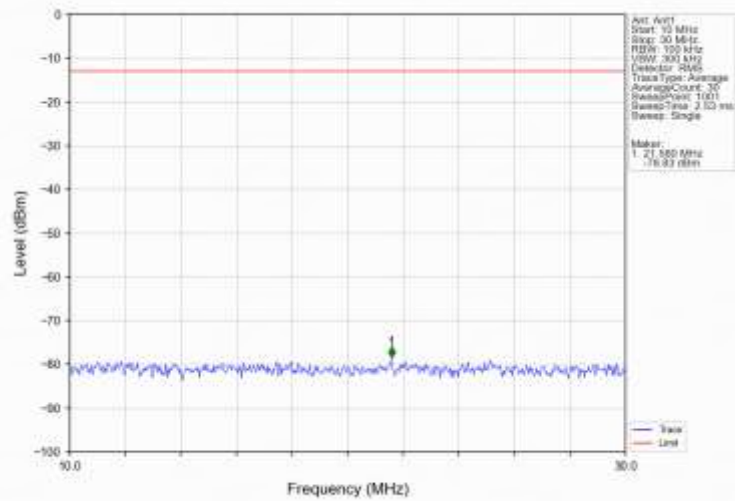
Band5 10MHz QPSK HCH 844MHz RB 1 0 NTN



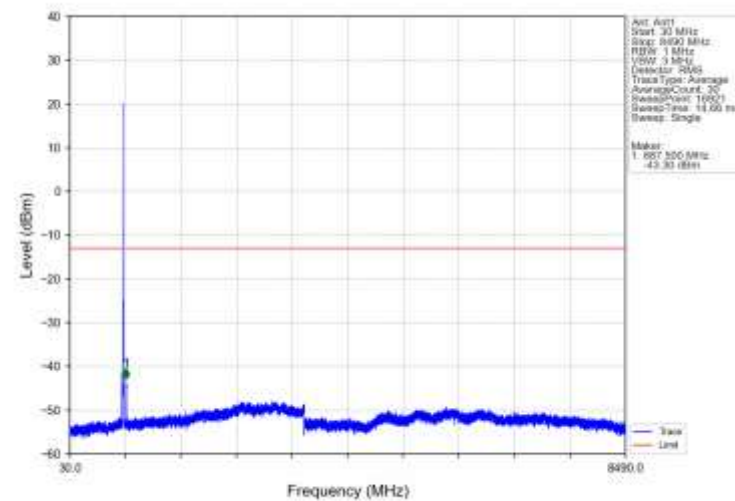
Band5 10MHz QPSK HCH 844MHz RB 1 0 NTN



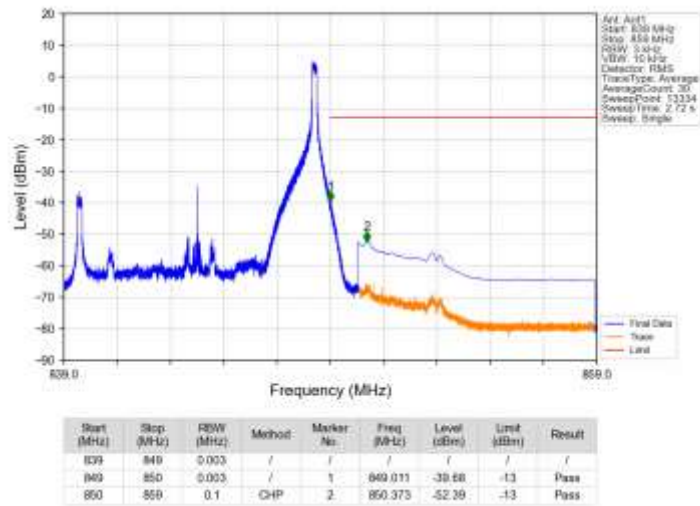
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



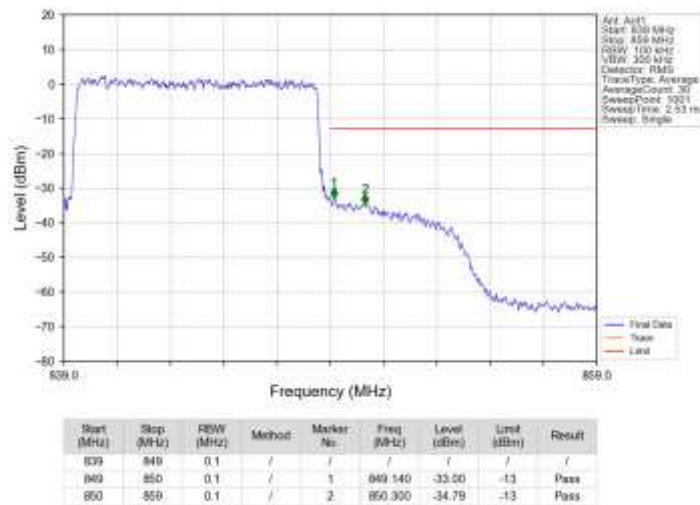
Band5_10MHz_QPSK_HCH_844MHz_RB_1_0_NTNV



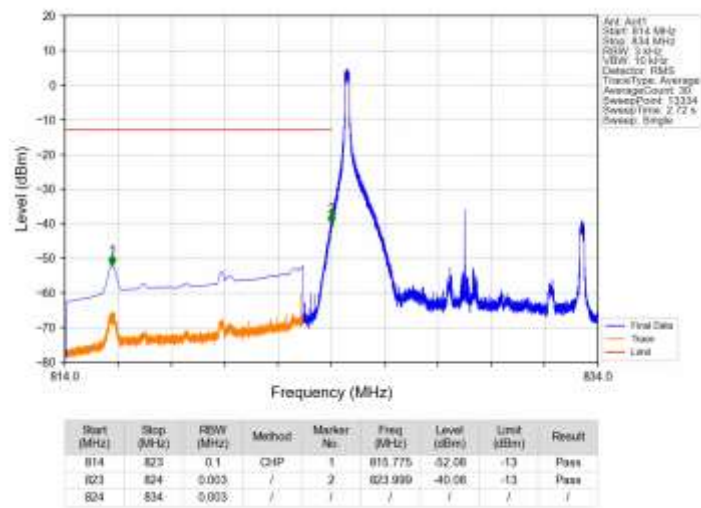
Band5_10MHz_QPSK_HCH_844MHz_RB_1_49_NTNV



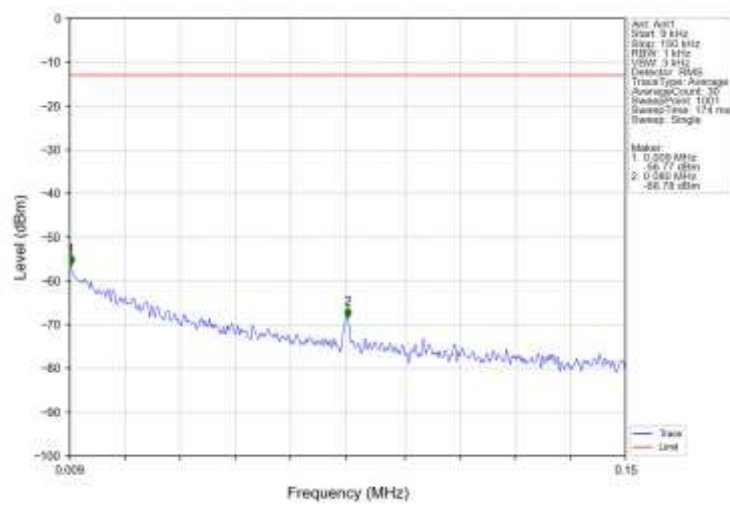
Band5_10MHz_QPSK_HCH_844MHz_RB_50_0_NTNV



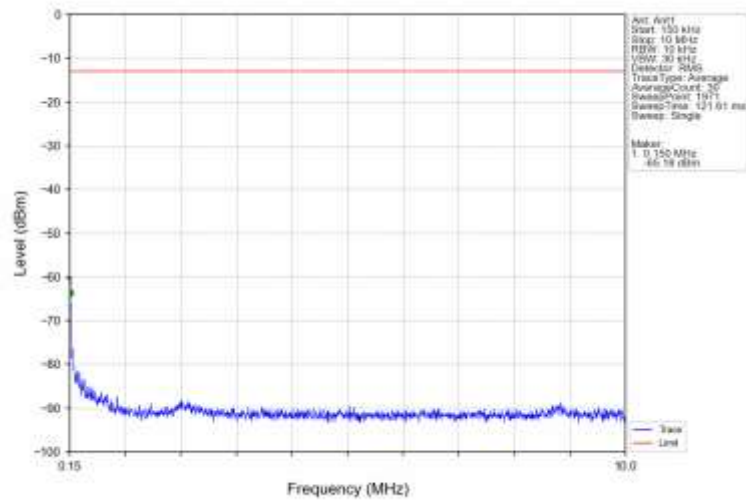
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



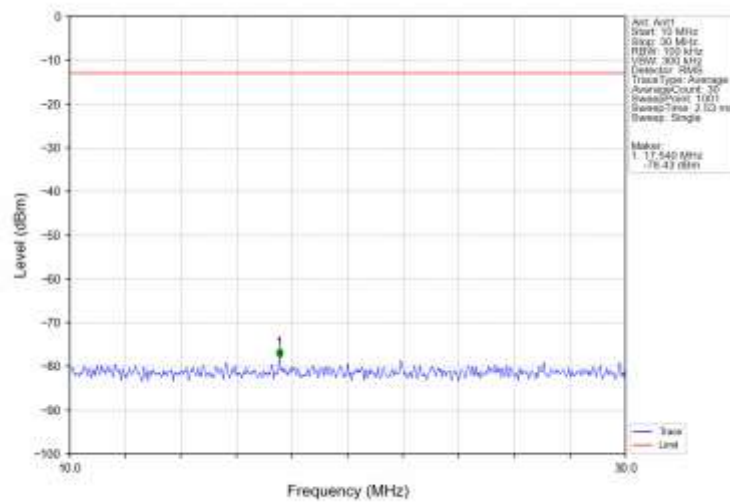
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



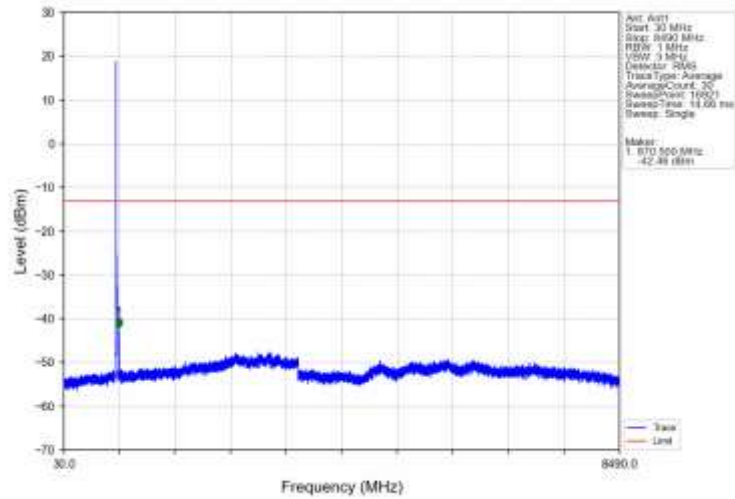
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



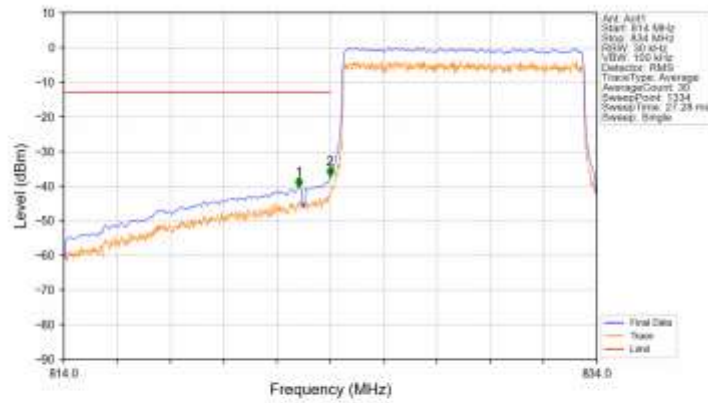
Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_LCH_829MHz_RB_1_0_NTNV

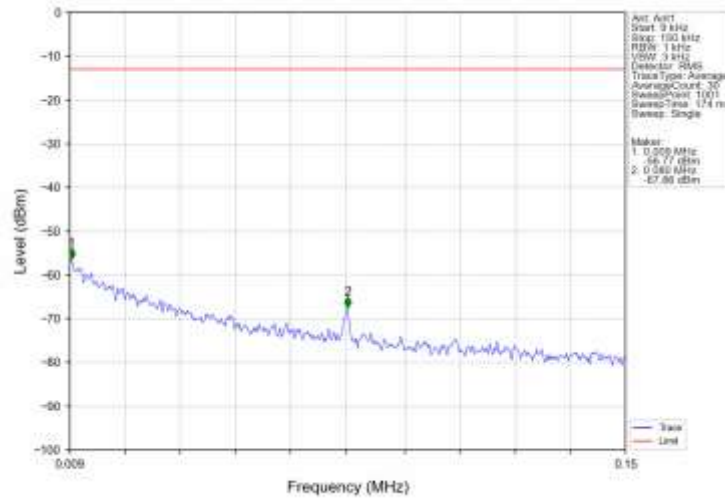


Band5_10MHz_16QAM_LCH_829MHz_RB_50_0_NTNV

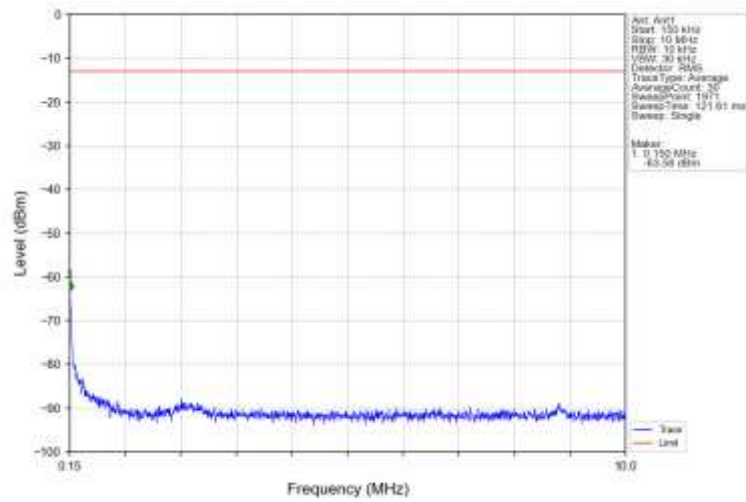


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.822	-40.44	-13	Pass
823	824	0.099	CHP	2	823.982	-37.35	-13	Pass
824	834	0.099	CHP	1	/	/	/	/

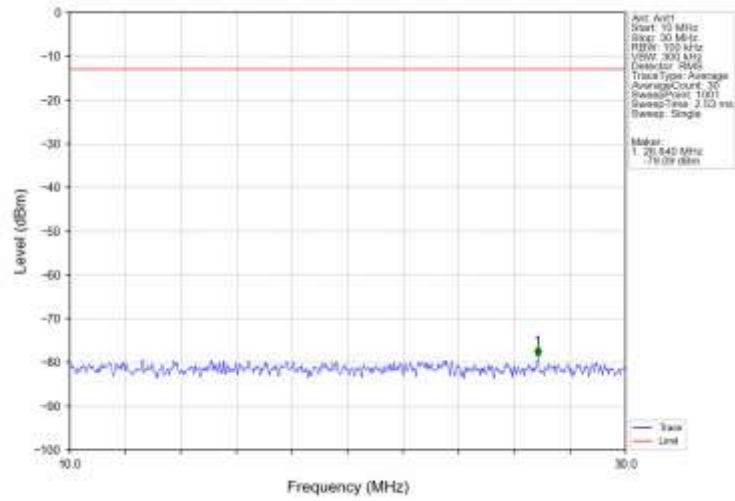
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



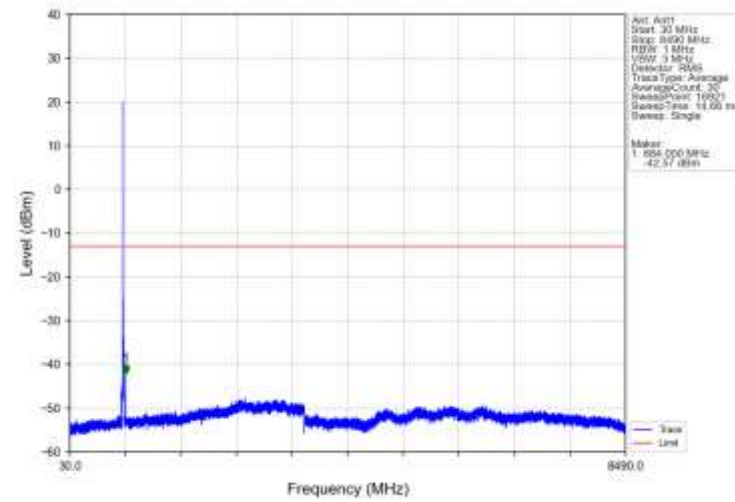
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



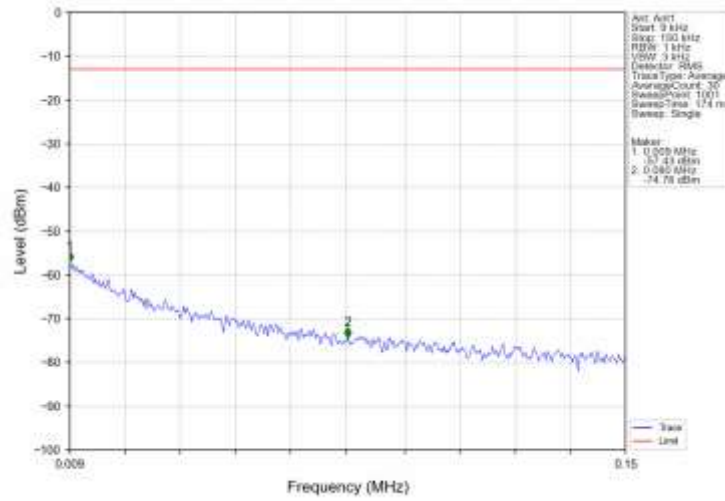
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



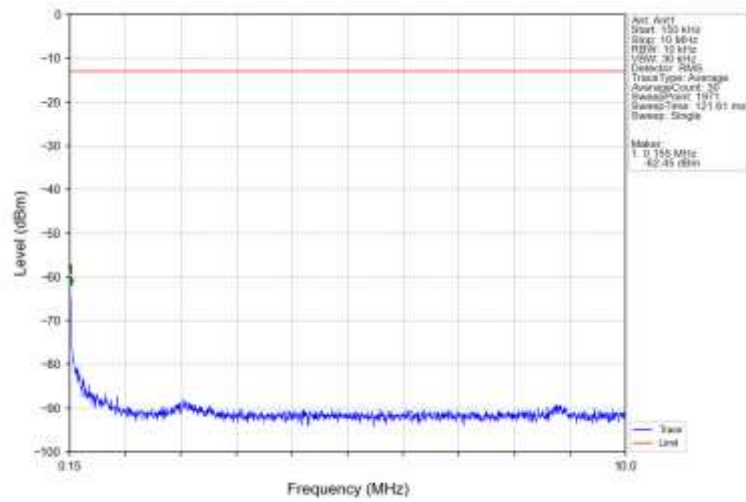
Band5_10MHz_16QAM_MCH_836.5MHz_RB_1_0_NTNV



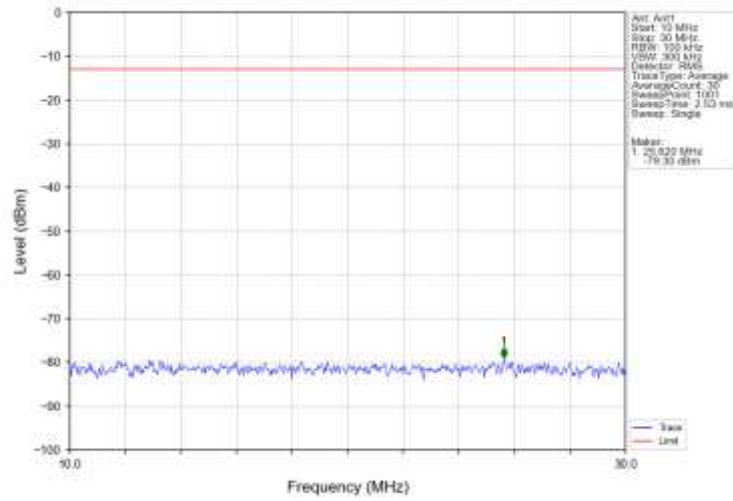
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



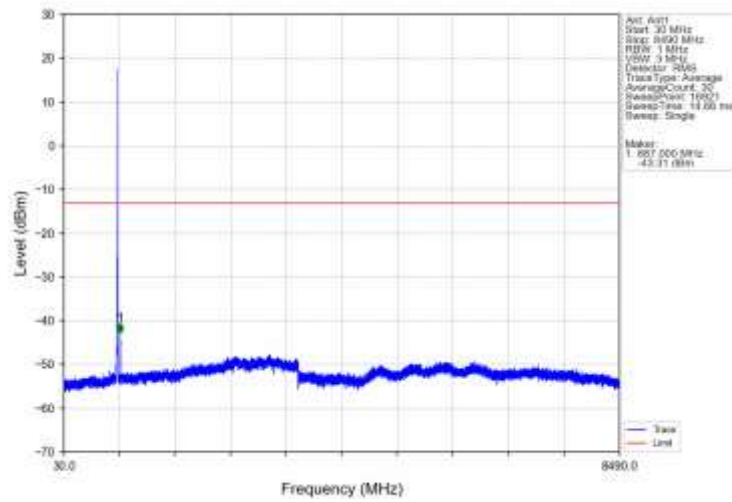
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



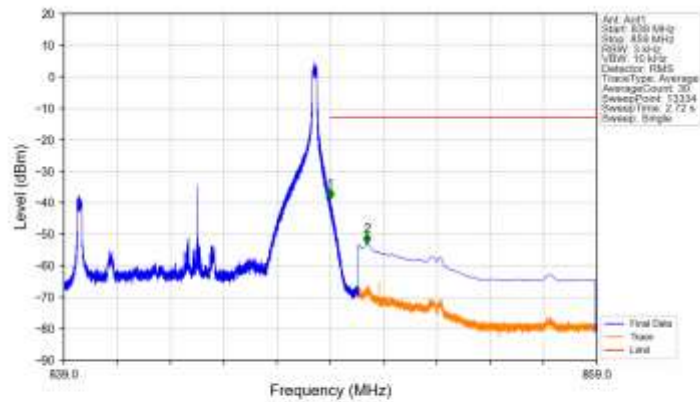
Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_16QAM_HCH_844MHz_RB_1_0_NTNV

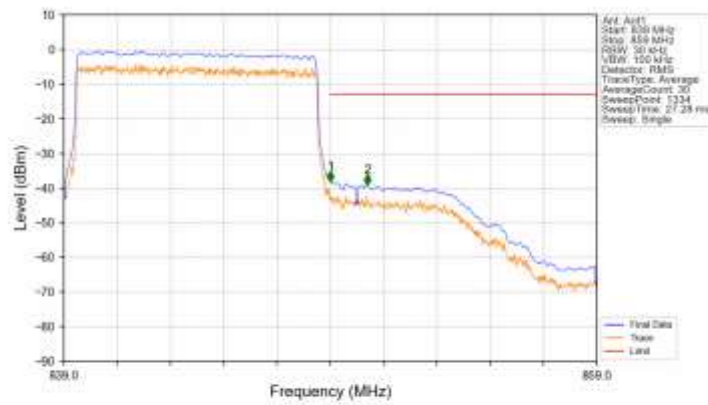


Band5 10MHz 16QAM HCH 844MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
838	848	0.003	/	/	/	/	/	/
848	850	0.003	/	1	844.021	-38.88	-13	Pass
850	850	0.1	CHP	2	850.379	-53.06	-13	Pass

Band5 10MHz 16QAM HCH 844MHz RB 50 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
838	848	0.090	CHP	/	/	/	/	/
848	850	0.090	CHP	1	844.026	-38.26	-13	Pass
850	850	0.1	CHP	2	850.388	-38.04	-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	0.1919	0.0245	ppm	1M11G7D	22H	22.83
5	1.4	824.7	848.3	0.1600	0.0163	ppm	1M12W7D	22H	22.04
5	3	825.5	847.5	0.1897	0.0128	ppm	2M74G7D	22H	22.78
5	3	825.5	847.5	0.1503	0.0136	ppm	2M72W7D	22H	21.77
5	5	826.5	846.5	0.1614	0.0133	ppm	4M56G7D	22H	22.08
5	5	826.5	846.5	0.1368	0.0132	ppm	4M55W7D	22H	21.36
5	10	829	844	0.1618	0.0143	ppm	9M06G7D	22H	22.09
5	10	829	844	0.1462	0.0134	ppm	9M07W7D	22H	21.65

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	0.0982	0.0245	ppm	1M11G7D	22H	19.92
5	1.4	824.7	848.3	0.0818	0.0163	ppm	1M12W7D	22H	19.13
5	3	825.5	847.5	0.0971	0.0128	ppm	2M74G7D	22H	19.87
5	3	825.5	847.5	0.0769	0.0136	ppm	2M72W7D	22H	18.86
5	5	826.5	846.5	0.0826	0.0133	ppm	4M56G7D	22H	19.17
5	5	826.5	846.5	0.0700	0.0132	ppm	4M55W7D	22H	18.45
5	10	829	844	0.0828	0.0143	ppm	9M06G7D	22H	19.18
5	10	829	844	0.0748	0.0134	ppm	9M07W7D	22H	18.74