

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B5_1.4MHz_ERP

Band: 5 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
64QAM	824.7	1	0	22.43	3.00	23.28	<=38.45	Pass
			2	22.52	3.00	23.37	<=38.45	Pass
			5	22.36	3.00	23.21	<=38.45	Pass
		3	0	22.83	3.00	23.68	<=38.45	Pass
			2	22.89	3.00	23.74	<=38.45	Pass
			3	22.82	3.00	23.67	<=38.45	Pass
		6	0	21.45	3.00	22.30	<=38.45	Pass
	836.5	1	0	22.33	3.00	23.18	<=38.45	Pass
			2	22.41	3.00	23.26	<=38.45	Pass
			5	22.33	3.00	23.18	<=38.45	Pass
		3	0	22.54	3.00	23.39	<=38.45	Pass
			2	22.54	3.00	23.39	<=38.45	Pass
			3	22.48	3.00	23.33	<=38.45	Pass
		6	0	21.49	3.00	22.34	<=38.45	Pass
	848.3	1	0	22.90	3.00	23.75	<=38.45	Pass
			2	23.02	3.00	23.87	<=38.45	Pass
			5	22.96	3.00	23.81	<=38.45	Pass
		3	0	22.95	3.00	23.80	<=38.45	Pass
			2	23.03	3.00	23.88	<=38.45	Pass
			3	22.94	3.00	23.79	<=38.45	Pass
		6	0	21.78	3.00	22.63	<=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	
64QAM	825.5	1	0	22.51	3.00	23.36	<=38.45	Pass
			7	22.65	3.00	23.50	<=38.45	Pass
			14	22.52	3.00	23.37	<=38.45	Pass
		8	0	21.75	3.00	22.60	<=38.45	Pass
			4	21.77	3.00	22.62	<=38.45	Pass
			7	21.69	3.00	22.54	<=38.45	Pass
		15	0	21.74	3.00	22.59	<=38.45	Pass
	836.5	1	0	22.53	3.00	23.38	<=38.45	Pass
			7	22.57	3.00	23.42	<=38.45	Pass
			14	22.57	3.00	23.42	<=38.45	Pass
		8	0	21.75	3.00	22.60	<=38.45	Pass
			4	21.79	3.00	22.64	<=38.45	Pass
			7	21.72	3.00	22.57	<=38.45	Pass
		15	0	21.69	3.00	22.54	<=38.45	Pass
	847.5	1	0	22.59	3.00	23.44	<=38.45	Pass
			7	22.66	3.00	23.51	<=38.45	Pass
			14	22.54	3.00	23.39	<=38.45	Pass

		8	0	21.92	3.00	22.77	<=38.45	Pass
			4	21.92	3.00	22.77	<=38.45	Pass
			7	21.89	3.00	22.74	<=38.45	Pass
		15	0	21.90	3.00	22.75	<=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	
64QAM	826.5	1	0	22.63	3.00	23.48	<=38.45	Pass
			13	22.70	3.00	23.55	<=38.45	Pass
			24	22.64	3.00	23.49	<=38.45	Pass
		12	0	21.75	3.00	22.60	<=38.45	Pass
			6	21.79	3.00	22.64	<=38.45	Pass
			13	21.76	3.00	22.61	<=38.45	Pass
		25	0	21.73	3.00	22.58	<=38.45	Pass
	836.5	1	0	22.58	3.00	23.43	<=38.45	Pass
			13	22.61	3.00	23.46	<=38.45	Pass
			24	22.61	3.00	23.46	<=38.45	Pass
		12	0	21.68	3.00	22.53	<=38.45	Pass
			6	21.73	3.00	22.58	<=38.45	Pass
			13	21.65	3.00	22.50	<=38.45	Pass
		25	0	21.64	3.00	22.49	<=38.45	Pass
	846.5	1	0	22.79	3.00	23.64	<=38.45	Pass
			13	22.92	3.00	23.77	<=38.45	Pass
			24	22.80	3.00	23.65	<=38.45	Pass
		12	0	21.91	3.00	22.76	<=38.45	Pass
			6	21.94	3.00	22.79	<=38.45	Pass
			13	21.96	3.00	22.81	<=38.45	Pass
		25	0	21.85	3.00	22.70	<=38.45	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.4 B5_10MHz_ERP

Band: 5 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
64QAM	829	1	0	22.40	3.00	23.25	<=38.45	Pass
			25	22.34	3.00	23.19	<=38.45	Pass
			49	22.36	3.00	23.21	<=38.45	Pass
		25	0	21.66	3.00	22.51	<=38.45	Pass
			13	21.76	3.00	22.61	<=38.45	Pass
			25	21.69	3.00	22.54	<=38.45	Pass
		50	0	21.75	3.00	22.60	<=38.45	Pass
	836.5	1	0	22.78	3.00	23.63	<=38.45	Pass
			25	22.72	3.00	23.57	<=38.45	Pass
			49	22.75	3.00	23.60	<=38.45	Pass
		25	0	21.87	3.00	22.72	<=38.45	Pass
			13	21.82	3.00	22.67	<=38.45	Pass
			25	21.82	3.00	22.67	<=38.45	Pass
		50	0	21.77	3.00	22.62	<=38.45	Pass

	844	1	0	22.61	3.00	23.46	<=38.45	Pass
			25	22.66	3.00	23.51	<=38.45	Pass
			49	22.61	3.00	23.46	<=38.45	Pass
		25	0	21.90	3.00	22.75	<=38.45	Pass
			13	22.00	3.00	22.85	<=38.45	Pass
			25	21.97	3.00	22.82	<=38.45	Pass
		50	0	21.93	3.00	22.78	<=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	
64QAM	824.7	6	0	20	3.27	-6.123	-0.0074	-2.5 to 2.5	Pass
					3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
					4.43	-6.323	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-2.446	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
				0	3.85	2.289	0.0028	-2.5 to 2.5	Pass
				10	3.85	-2.403	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-0.200	-0.0002	-2.5 to 2.5	Pass
				50	3.85	1.230	0.0015	-2.5 to 2.5	Pass
	836.5	6	0	20	3.27	-16.036	-0.0192	-2.5 to 2.5	Pass
					3.85	-19.197	-0.0229	-2.5 to 2.5	Pass
					4.43	-8.740	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-6.022	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	1.445	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-5.064	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-4.005	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0004	-2.5 to 2.5	Pass
				30	3.85	2.217	0.0027	-2.5 to 2.5	Pass
				40	3.85	0.243	0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.518	-0.0030	-2.5 to 2.5	Pass
	848.3	6	0	20	3.27	8.540	0.0101	-2.5 to 2.5	Pass
					3.85	-1.316	-0.0016	-2.5 to 2.5	Pass
					4.43	-3.290	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-2.689	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	1.216	0.0014	-2.5 to 2.5	Pass
				0	3.85	0.601	0.0007	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-1.917	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.974	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-0.443	-0.0005	-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	
64QAM	825.5	15	0	20	3.27	1.402	0.0017	-2.5 to 2.5	Pass
					3.85	0.658	0.0008	-2.5 to 2.5	Pass
					4.43	6.981	0.0085	-2.5 to 2.5	Pass
				-30	3.85	-1.245	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	3.777	0.0046	-2.5 to 2.5	Pass
				-10	3.85	5.322	0.0064	-2.5 to 2.5	Pass
				0	3.85	5.536	0.0067	-2.5 to 2.5	Pass
				10	3.85	-0.072	-0.0001	-2.5 to 2.5	Pass
				30	3.85	2.046	0.0025	-2.5 to 2.5	Pass
				40	3.85	5.193	0.0063	-2.5 to 2.5	Pass
				50	3.85	2.360	0.0029	-2.5 to 2.5	Pass
	836.5	15	0	20	3.27	-2.475	-0.0030	-2.5 to 2.5	Pass
					3.85	-6.766	-0.0081	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.420	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-2.260	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-3.390	-0.0041	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0021	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-5.593	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-0.529	-0.0006	-2.5 to 2.5	Pass
				50	3.85	-4.663	-0.0056	-2.5 to 2.5	Pass
	847.5	15	0	20	3.27	-0.858	-0.0010	-2.5 to 2.5	Pass
					3.85	3.676	0.0043	-2.5 to 2.5	Pass
					4.43	-1.230	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	3.405	0.0040	-2.5 to 2.5	Pass
				-20	3.85	-1.016	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	2.489	0.0029	-2.5 to 2.5	Pass
				0	3.85	-2.017	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.632	-0.0031	-2.5 to 2.5	Pass
				30	3.85	2.975	0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.761	-0.0033	-2.5 to 2.5	Pass
				50	3.85	2.661	0.0031	-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	
64QAM	826.5	25	0	20	3.27	2.046	0.0025	-2.5 to 2.5	Pass
					3.85	1.631	0.0020	-2.5 to 2.5	Pass
					4.43	0.157	0.0002	-2.5 to 2.5	Pass
				-30	3.85	1.616	0.0020	-2.5 to 2.5	Pass
				-20	3.85	3.219	0.0039	-2.5 to 2.5	Pass
				-10	3.85	2.975	0.0036	-2.5 to 2.5	Pass
				0	3.85	3.591	0.0043	-2.5 to 2.5	Pass
				10	3.85	3.462	0.0042	-2.5 to 2.5	Pass
				30	3.85	2.217	0.0027	-2.5 to 2.5	Pass
				40	3.85	0.157	0.0002	-2.5 to 2.5	Pass
				50	3.85	-5.665	-0.0069	-2.5 to 2.5	Pass

	836.5	25	0	20	3.27	-6.981	-0.0083	-2.5 to 2.5	Pass
					3.85	-5.794	-0.0069	-2.5 to 2.5	Pass
					4.43	-4.964	-0.0059	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-5.736	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-6.466	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0024	-2.5 to 2.5	Pass
				10	3.85	0.043	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.173	0.0014	-2.5 to 2.5	Pass
	846.5	25	0	40	3.85	1.545	0.0018	-2.5 to 2.5	Pass
				50	3.85	-1.817	-0.0022	-2.5 to 2.5	Pass
				20	3.27	6.738	0.0080	-2.5 to 2.5	Pass
					3.85	6.409	0.0076	-2.5 to 2.5	Pass
					4.43	2.689	0.0032	-2.5 to 2.5	Pass
				-30	3.85	-1.202	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.329	0.0004	-2.5 to 2.5	Pass
				-10	3.85	5.679	0.0067	-2.5 to 2.5	Pass
				0	3.85	5.879	0.0069	-2.5 to 2.5	Pass
				10	3.85	6.924	0.0082	-2.5 to 2.5	Pass
				30	3.85	5.908	0.0070	-2.5 to 2.5	Pass
				40	3.85	3.176	0.0038	-2.5 to 2.5	Pass
				50	3.85	7.939	0.0094	-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	
64QAM	829	50	0	20	3.27	-3.304	-0.0040	-2.5 to 2.5	Pass
					3.85	-2.089	-0.0025	-2.5 to 2.5	Pass
					4.43	-0.744	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-2.475	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-5.679	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-6.595	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-1.559	-0.0019	-2.5 to 2.5	Pass
	836.5	50	0	40	3.85	-2.990	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-1.259	-0.0015	-2.5 to 2.5	Pass
				20	3.27	-4.892	-0.0058	-2.5 to 2.5	Pass
					3.85	-0.329	-0.0004	-2.5 to 2.5	Pass
					4.43	-5.822	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	1.330	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.333	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-1.302	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-7.553	-0.0090	-2.5 to 2.5	Pass
	844	50	0	10	3.85	-3.633	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-5.965	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-4.907	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-5.507	-0.0066	-2.5 to 2.5	Pass
				20	3.27	-0.143	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.830	-0.0010	-2.5 to 2.5	Pass
					4.43	0.072	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-4.034	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	0.587	0.0007	-2.5 to 2.5	Pass

				-10	3.85	-5.693	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-3.176	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-1.001	-0.0012	-2.5 to 2.5	Pass
				40	3.85	0.229	0.0003	-2.5 to 2.5	Pass
				50	3.85	-3.605	-0.0043	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band5_OBW

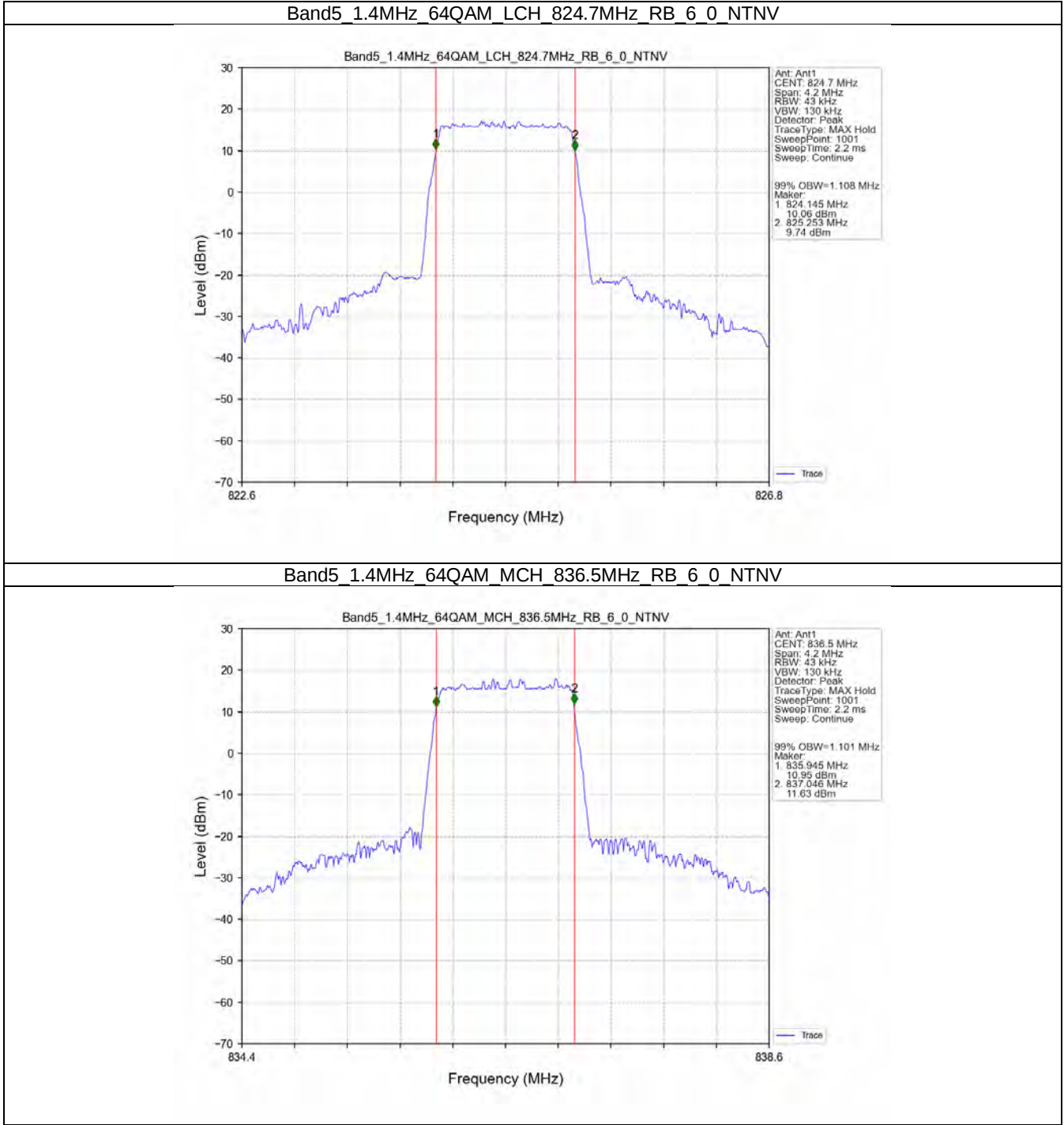
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	64QAM	824.7	6	0	1.108	/	Pass
		836.5	6	0	1.101	/	Pass
		848.3	6	0	1.101	/	Pass
3	64QAM	825.5	15	0	2.741	/	Pass
		836.5	15	0	2.732	/	Pass
		847.5	15	0	2.731	/	Pass
5	64QAM	826.5	25	0	4.546	/	Pass
		836.5	25	0	4.568	/	Pass
		846.5	25	0	4.551	/	Pass
10	64QAM	829	50	0	9.062	/	Pass
		836.5	50	0	9.026	/	Pass
		844	50	0	9.050	/	Pass

3.1.2 Band5_XDB

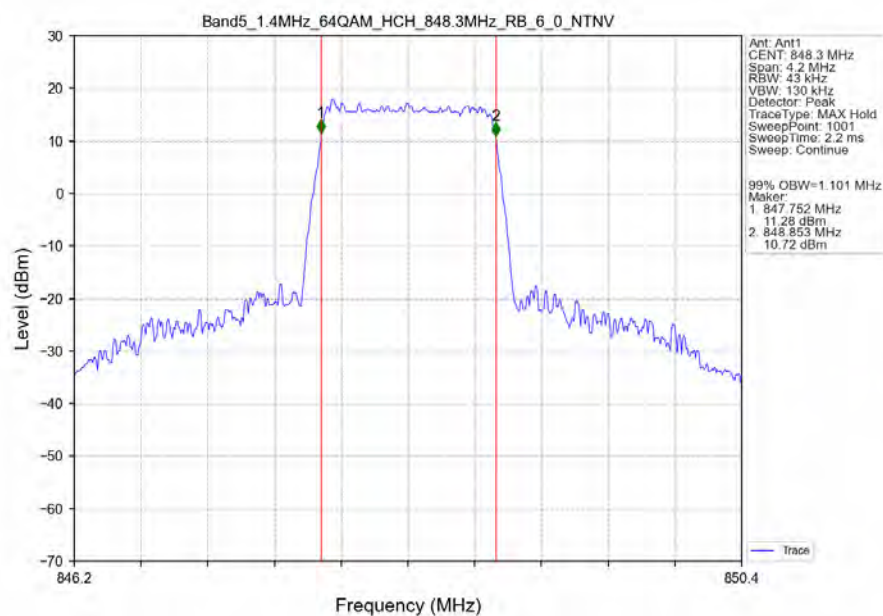
Band: 5 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	64QAM	824.7	6	0	1.273	/	Pass
		836.5	6	0	1.255	/	Pass
		848.3	6	0	1.259	/	Pass
3	64QAM	825.5	15	0	3.054	/	Pass
		836.5	15	0	3.055	/	Pass
		847.5	15	0	3.074	/	Pass
5	64QAM	826.5	25	0	5.061	/	Pass
		836.5	25	0	5.047	/	Pass
		846.5	25	0	5.058	/	Pass
10	64QAM	829	50	0	9.935	/	Pass
		836.5	50	0	9.936	/	Pass
		844	50	0	9.935	/	Pass

3.2 Test Graph

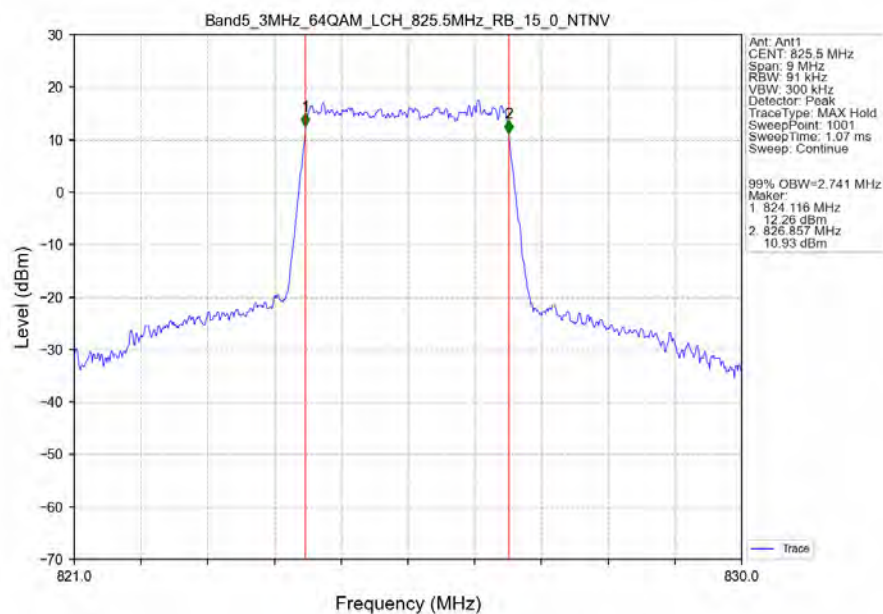
3.2.1 Band5_OBW



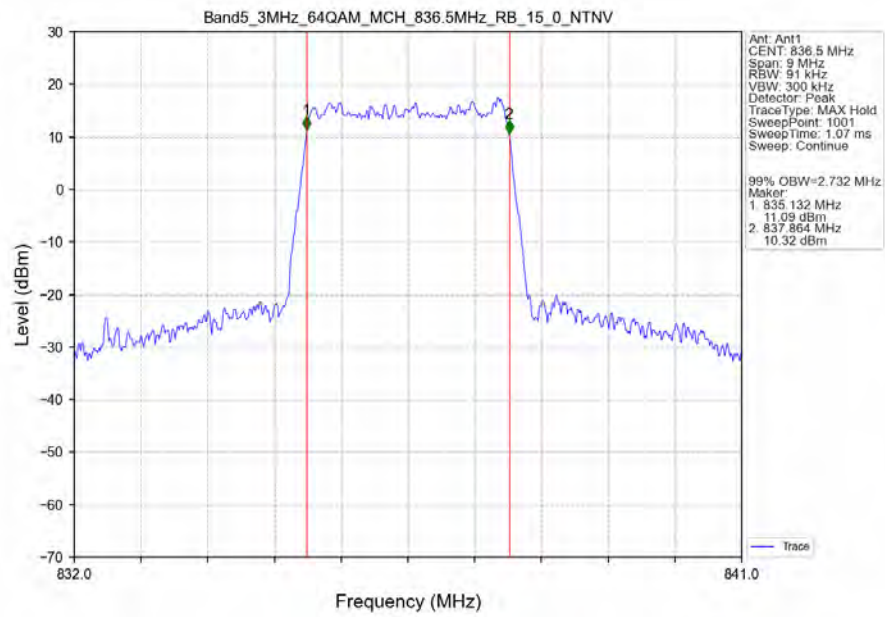
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



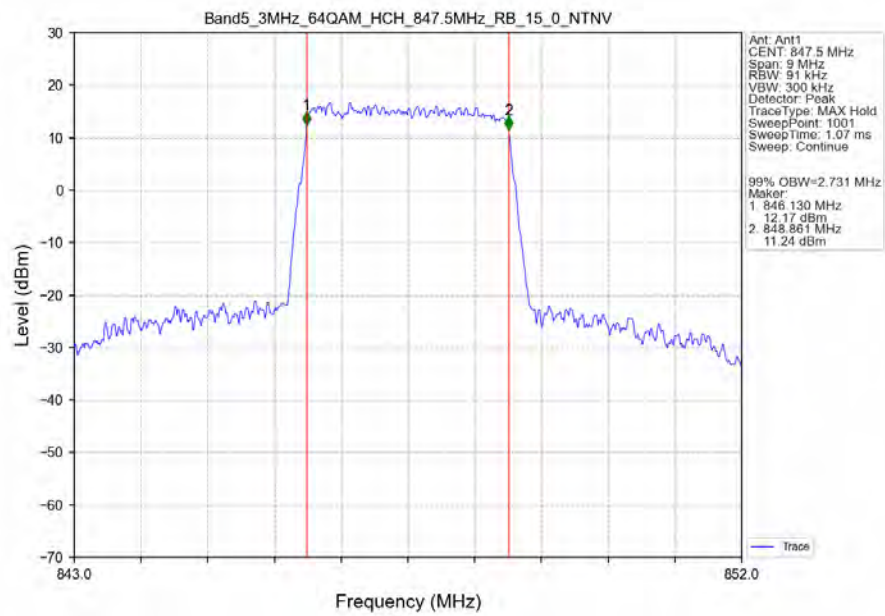
Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



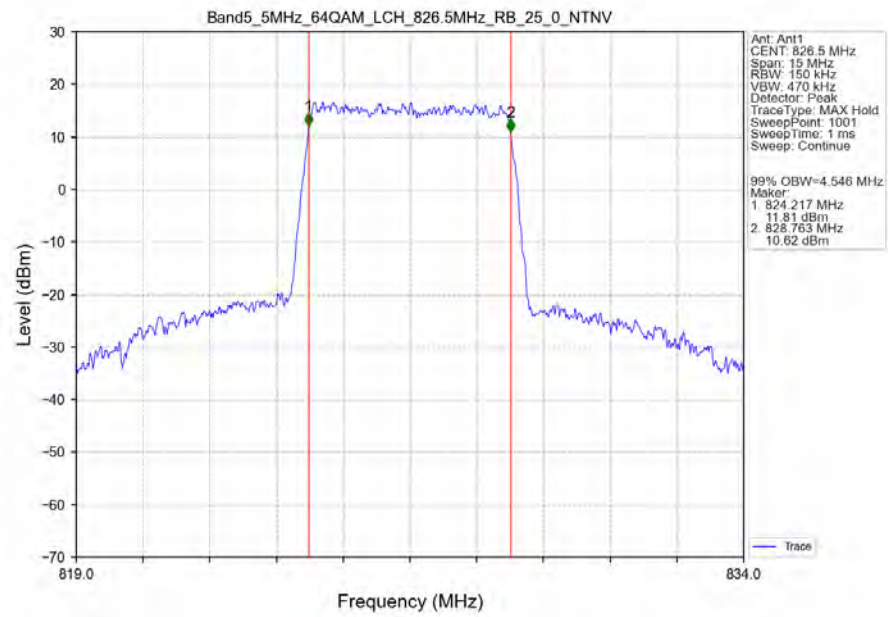
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



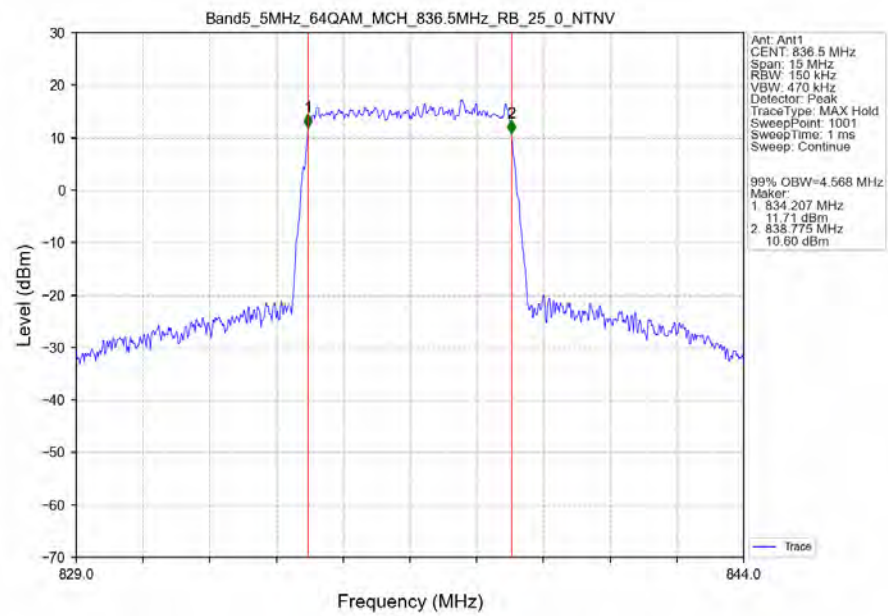
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



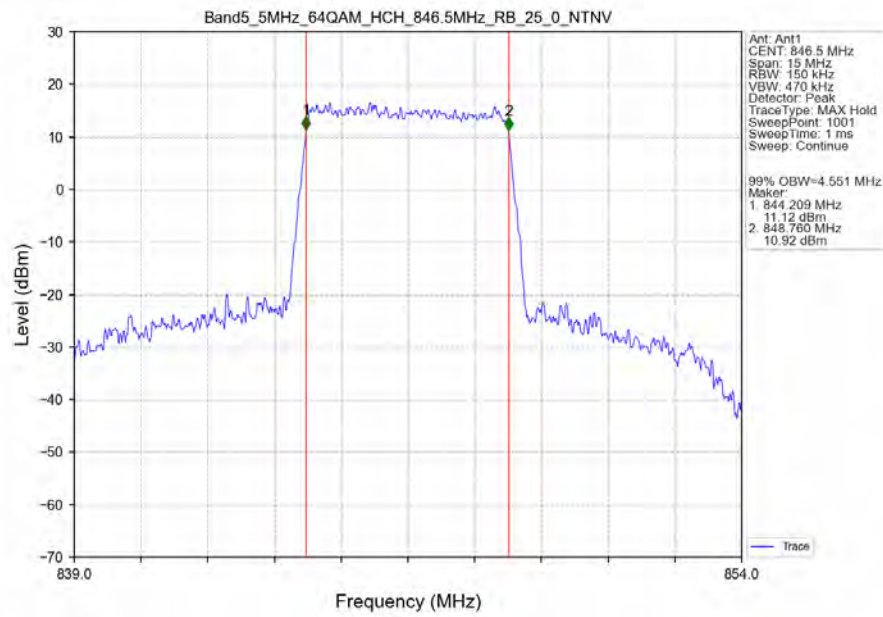
Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



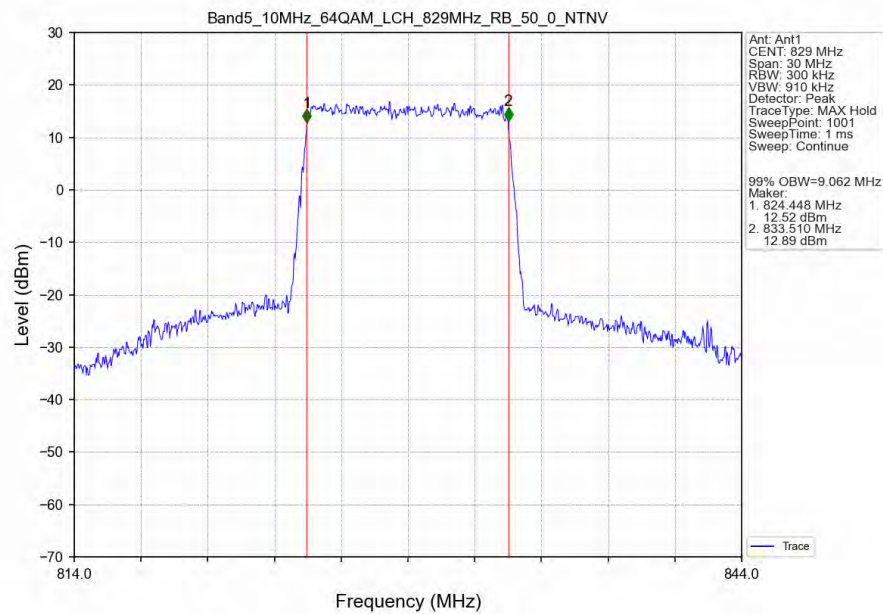
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



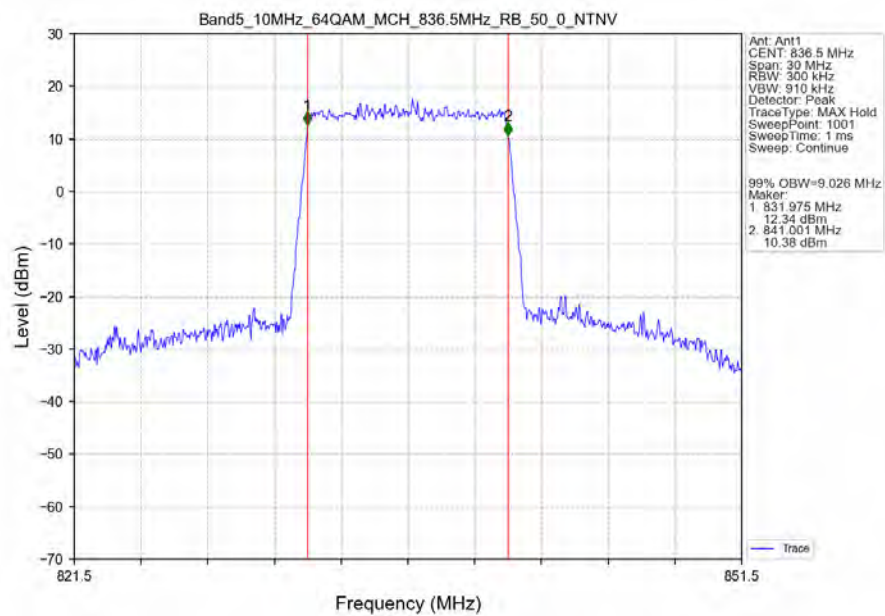
Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



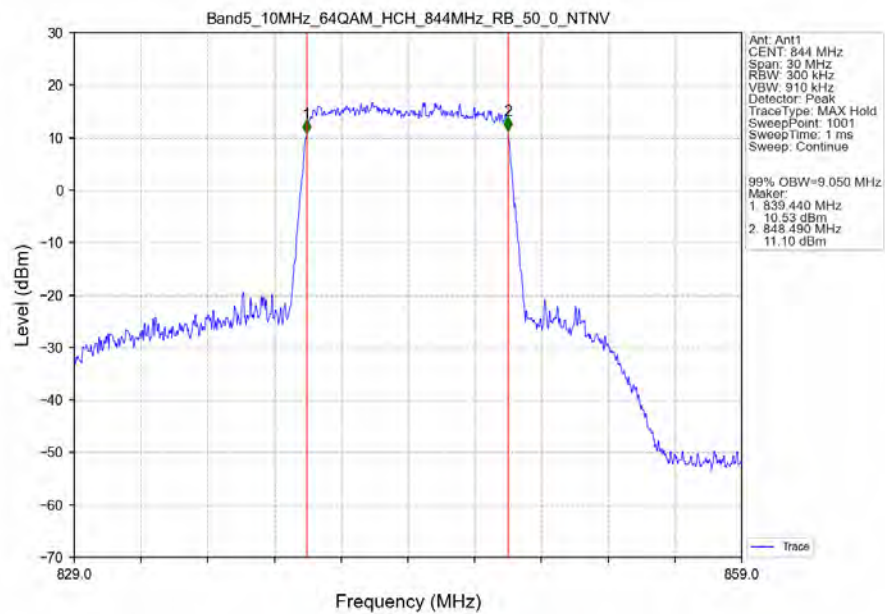
Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



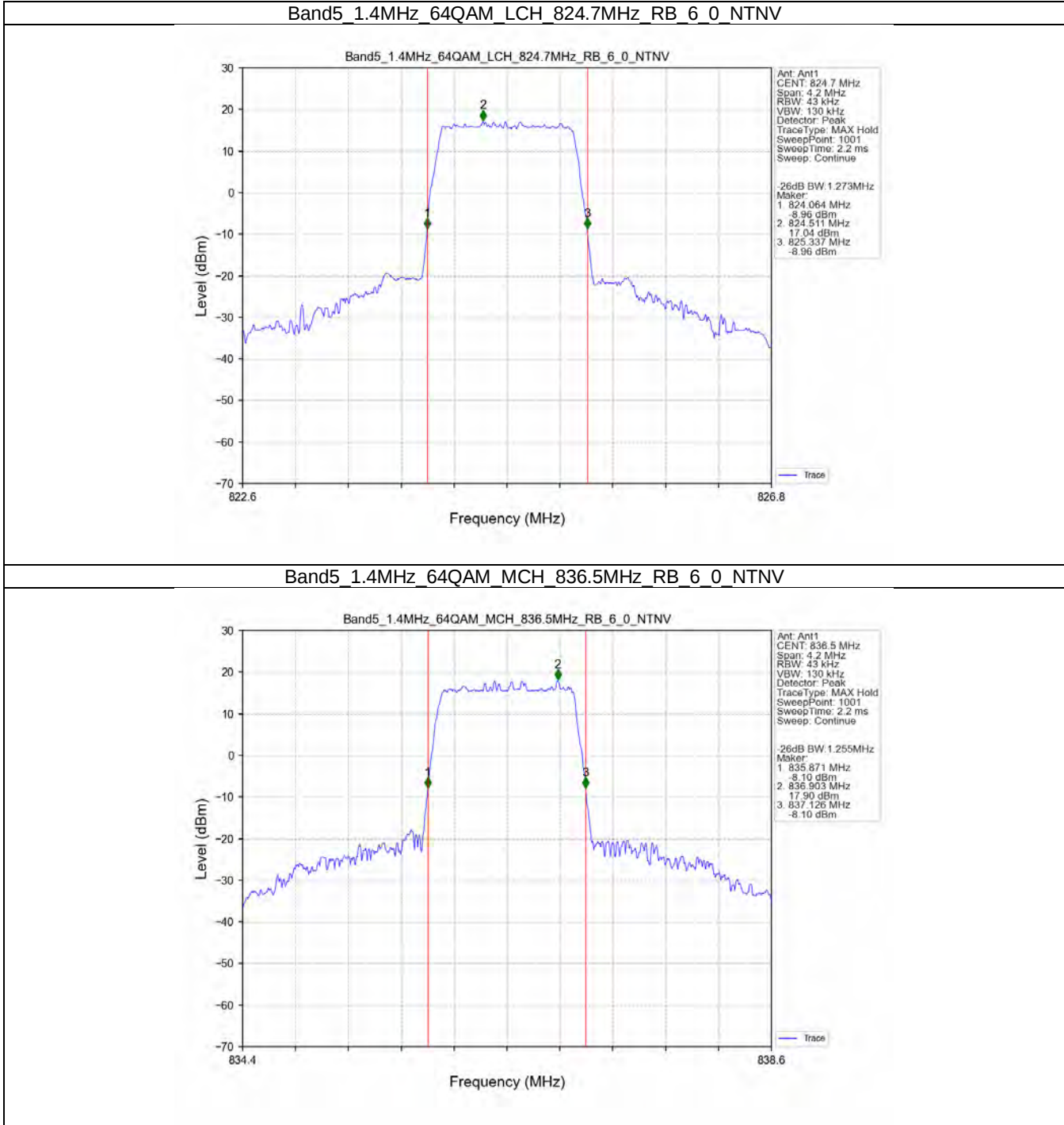
Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



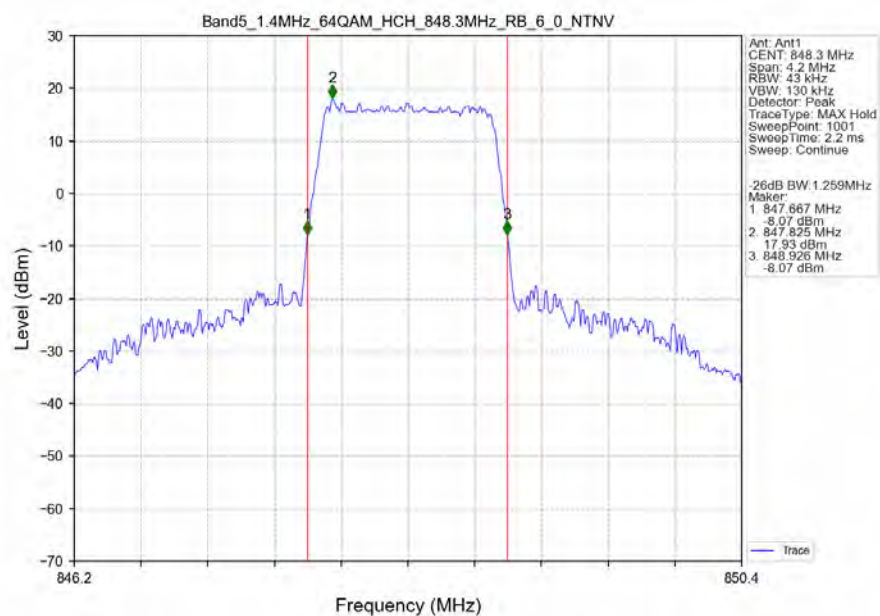
Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



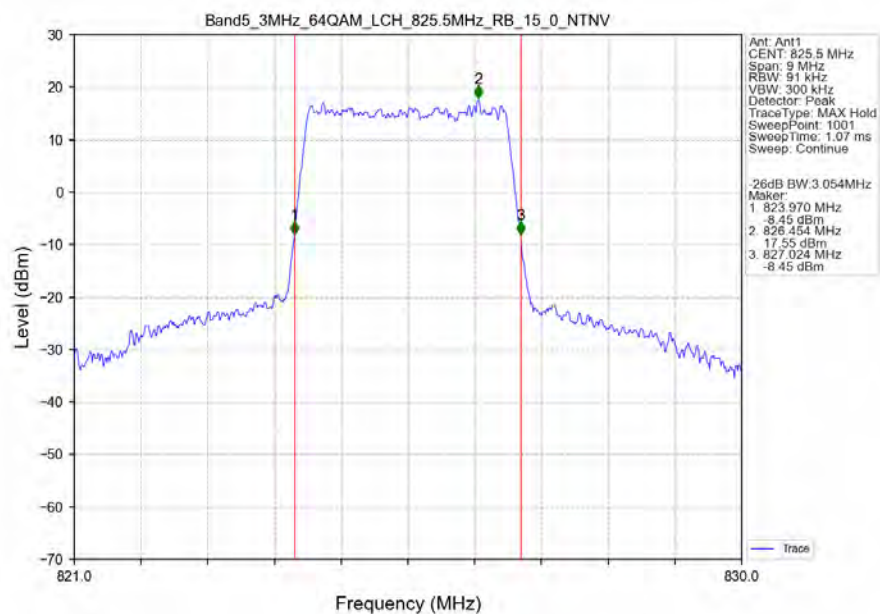
3.2.2 Band5_XDB



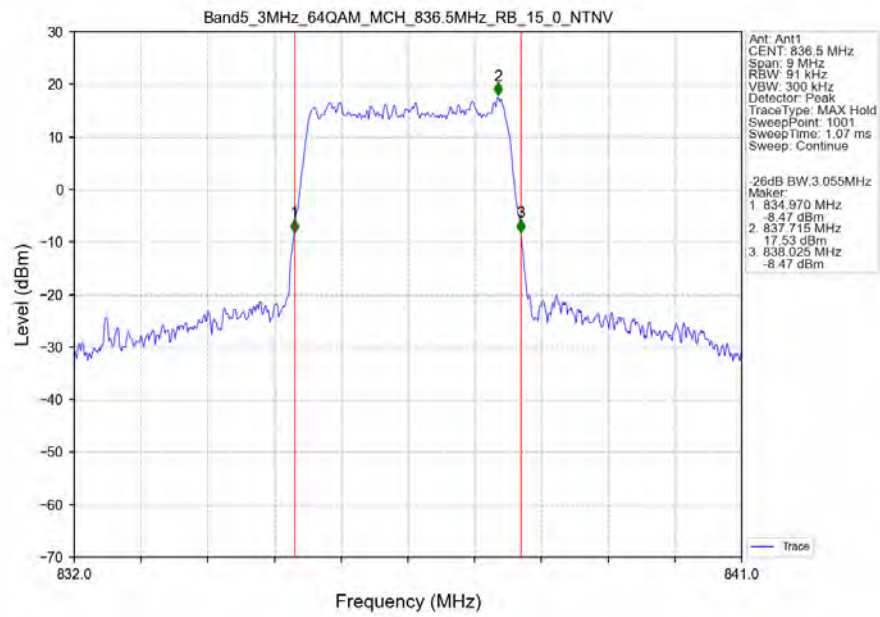
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



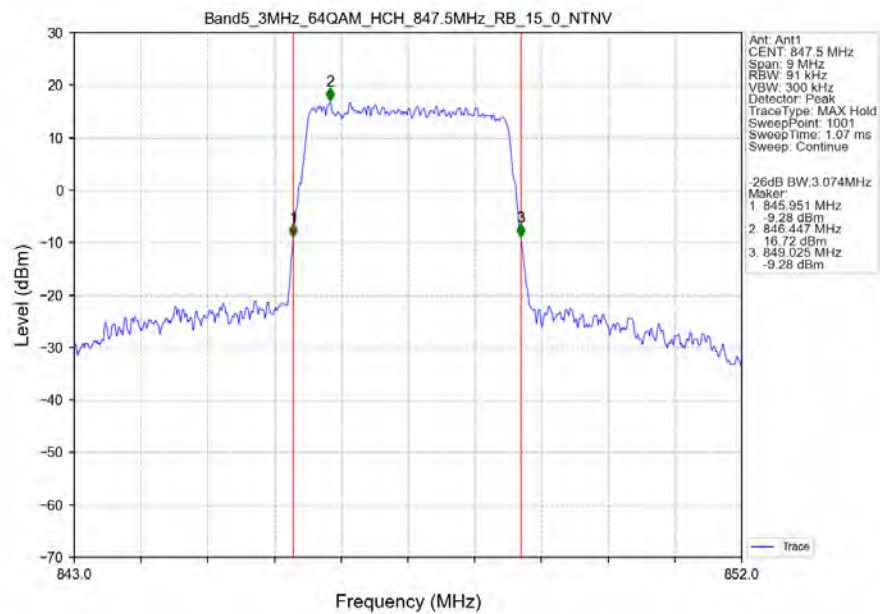
Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV



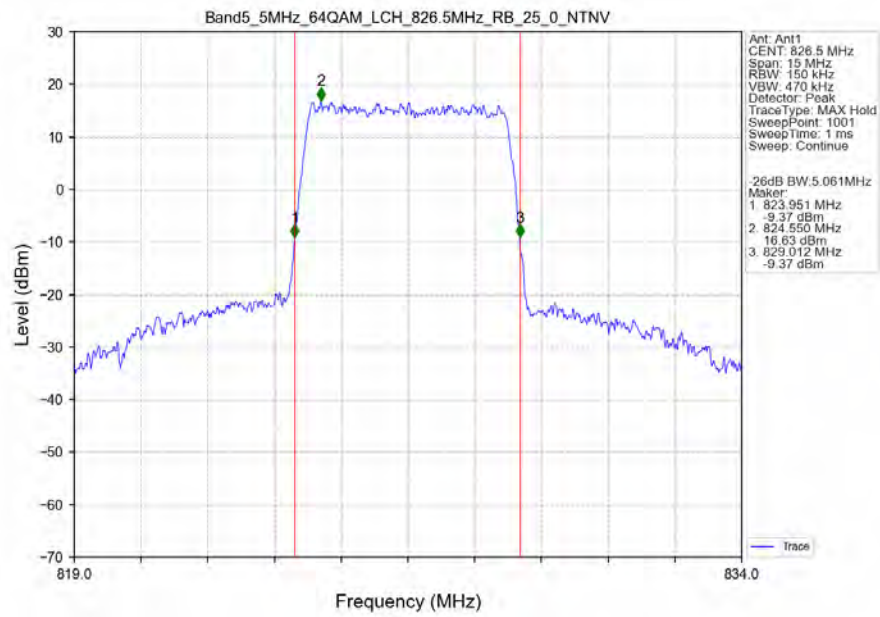
Band5_3MHz_64QAM_MCH_836.5MHz_RB_15_0_NTNV



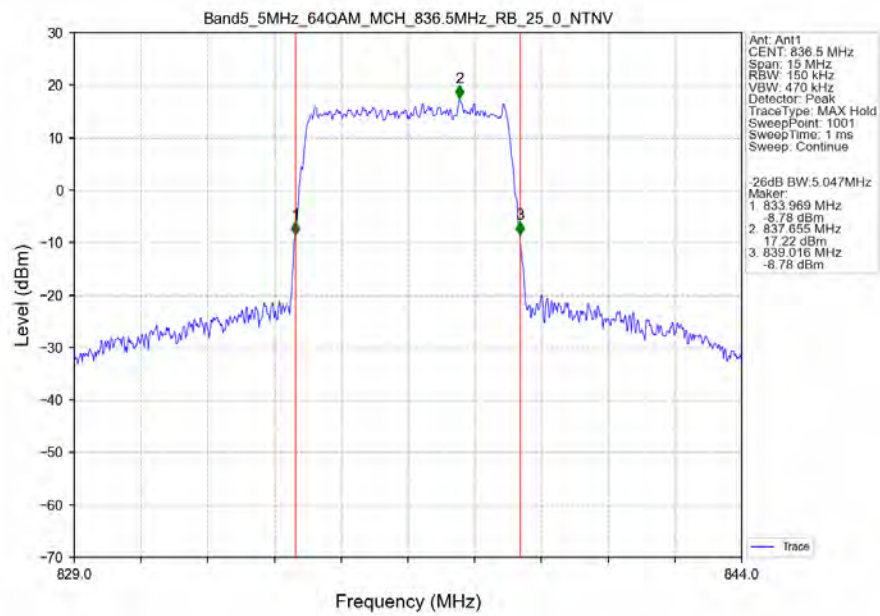
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



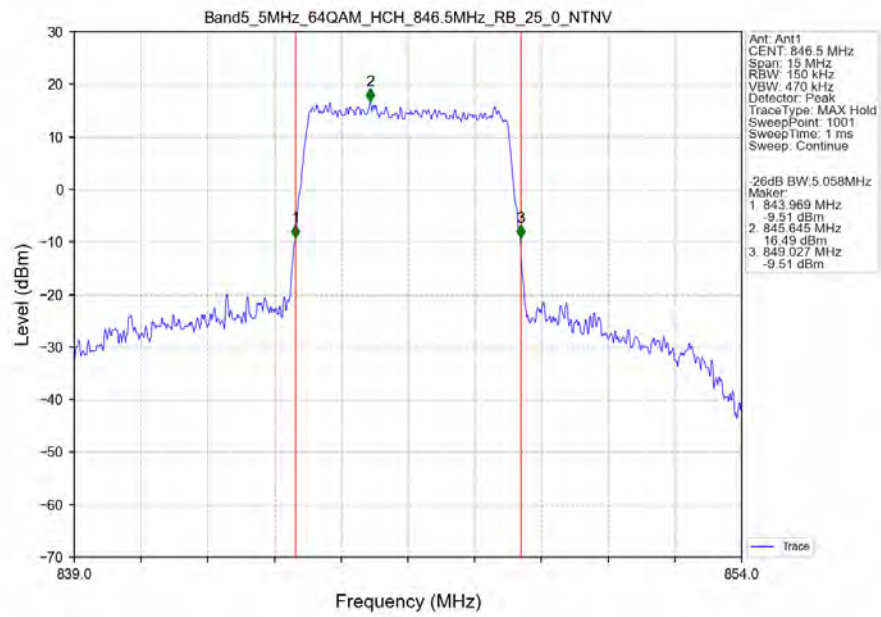
Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV



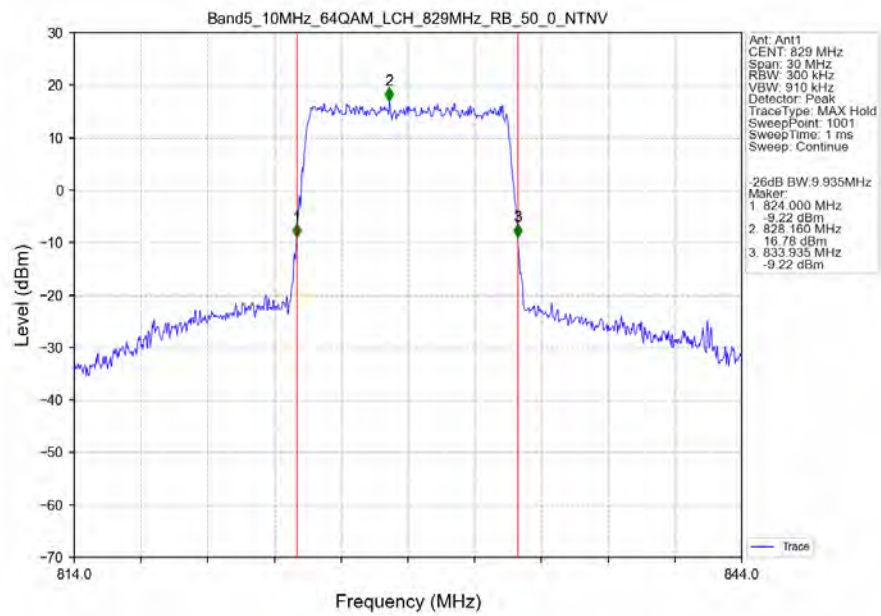
Band5_5MHz_64QAM_MCH_836.5MHz_RB_25_0_NTNV



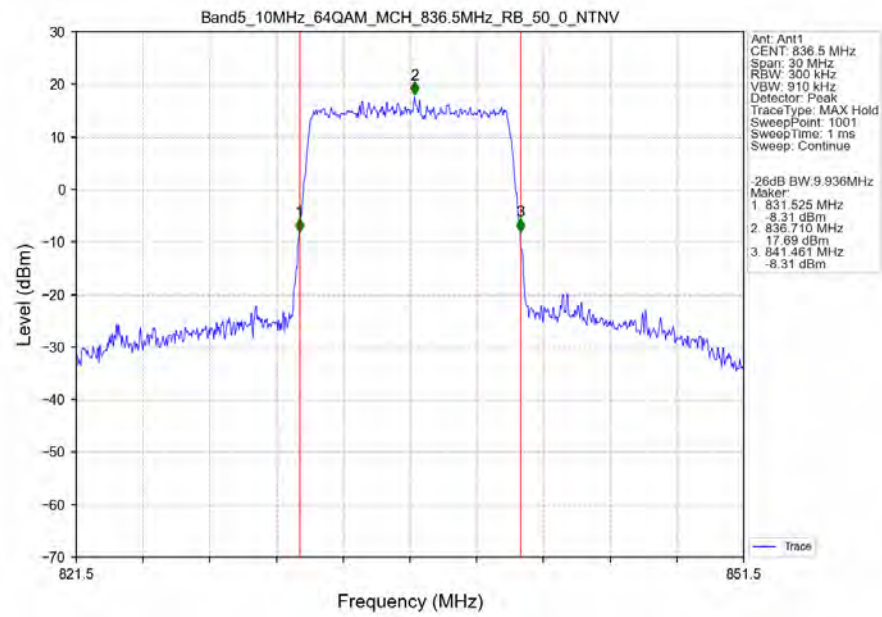
Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



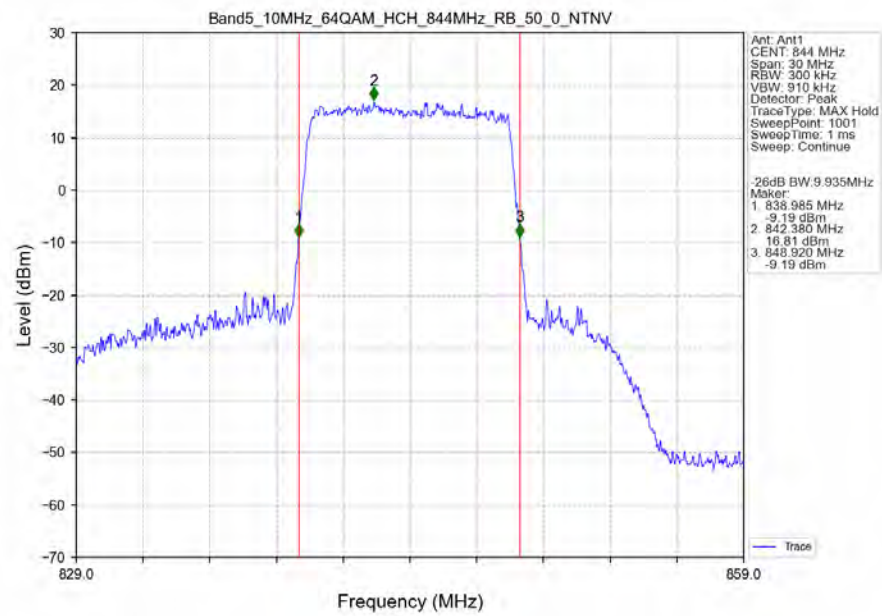
Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_MCH_836.5MHz_RB_50_0_NTNV



Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	824.7	6	0	6.65	<=13	Pass
	836.5	6	0	6.39	<=13	Pass
	848.3	6	0	6.26	<=13	Pass

4.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	825.5	15	0	6.89	<=13	Pass
	836.5	15	0	6.31	<=13	Pass
	847.5	15	0	6.42	<=13	Pass

4.1.3 B5_5MHz

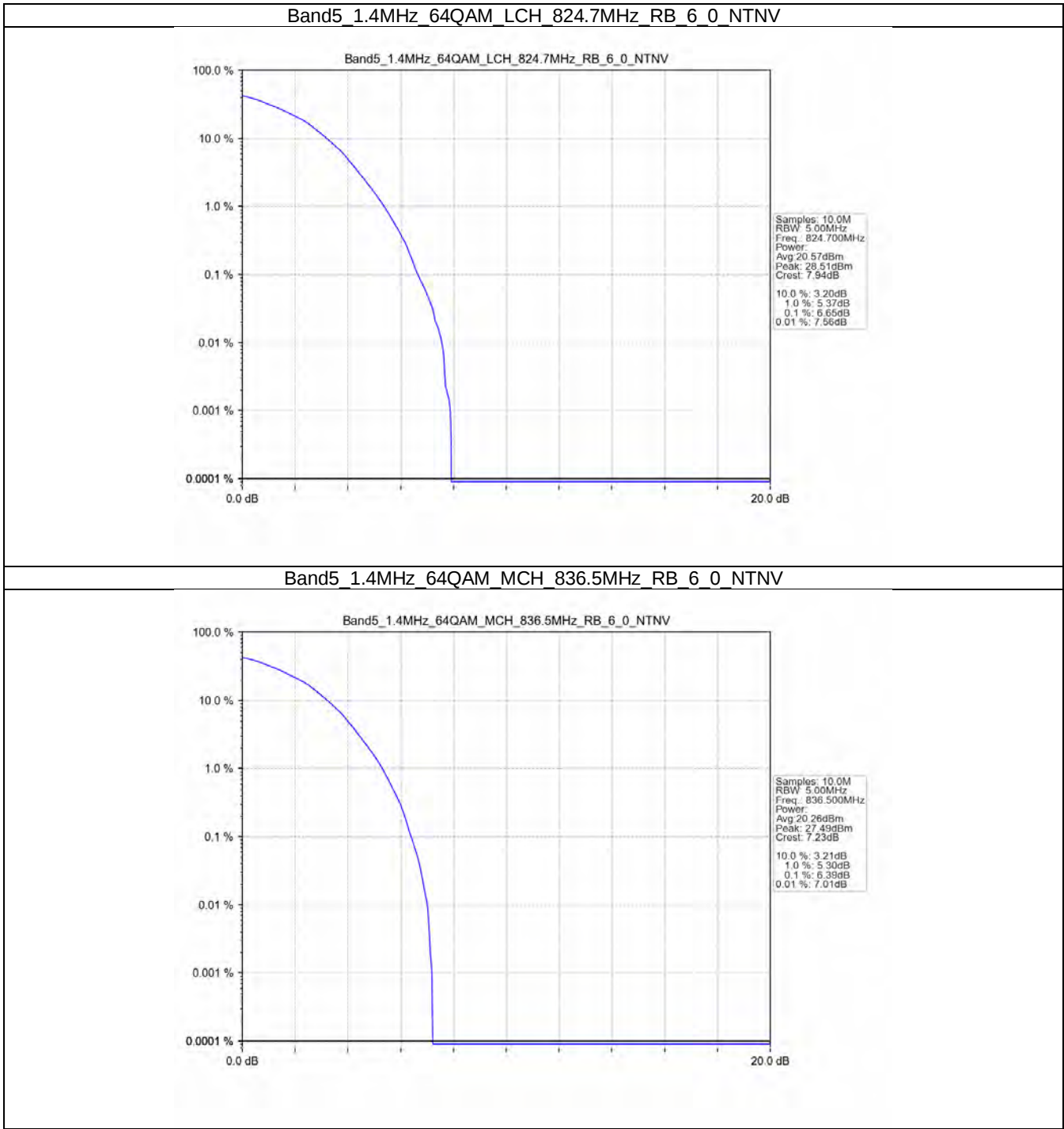
Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	826.5	25	0	6.81	<=13	Pass
	836.5	25	0	6.44	<=13	Pass
	846.5	25	0	6.52	<=13	Pass

4.1.4 B5_10MHz

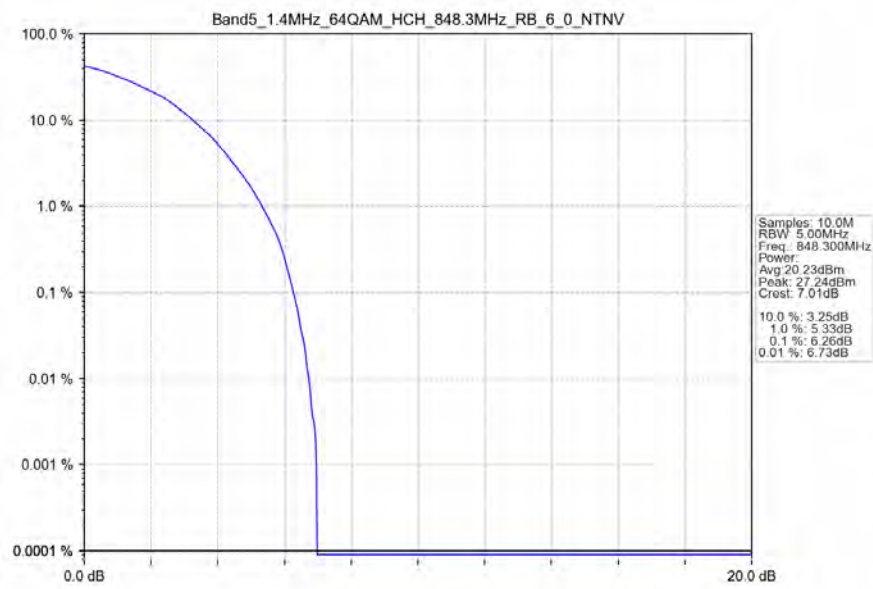
Band: 5 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
64QAM	829	50	0	6.71	<=13	Pass
	836.5	50	0	6.46	<=13	Pass
	844	50	0	6.41	<=13	Pass

4.2 Test Graph

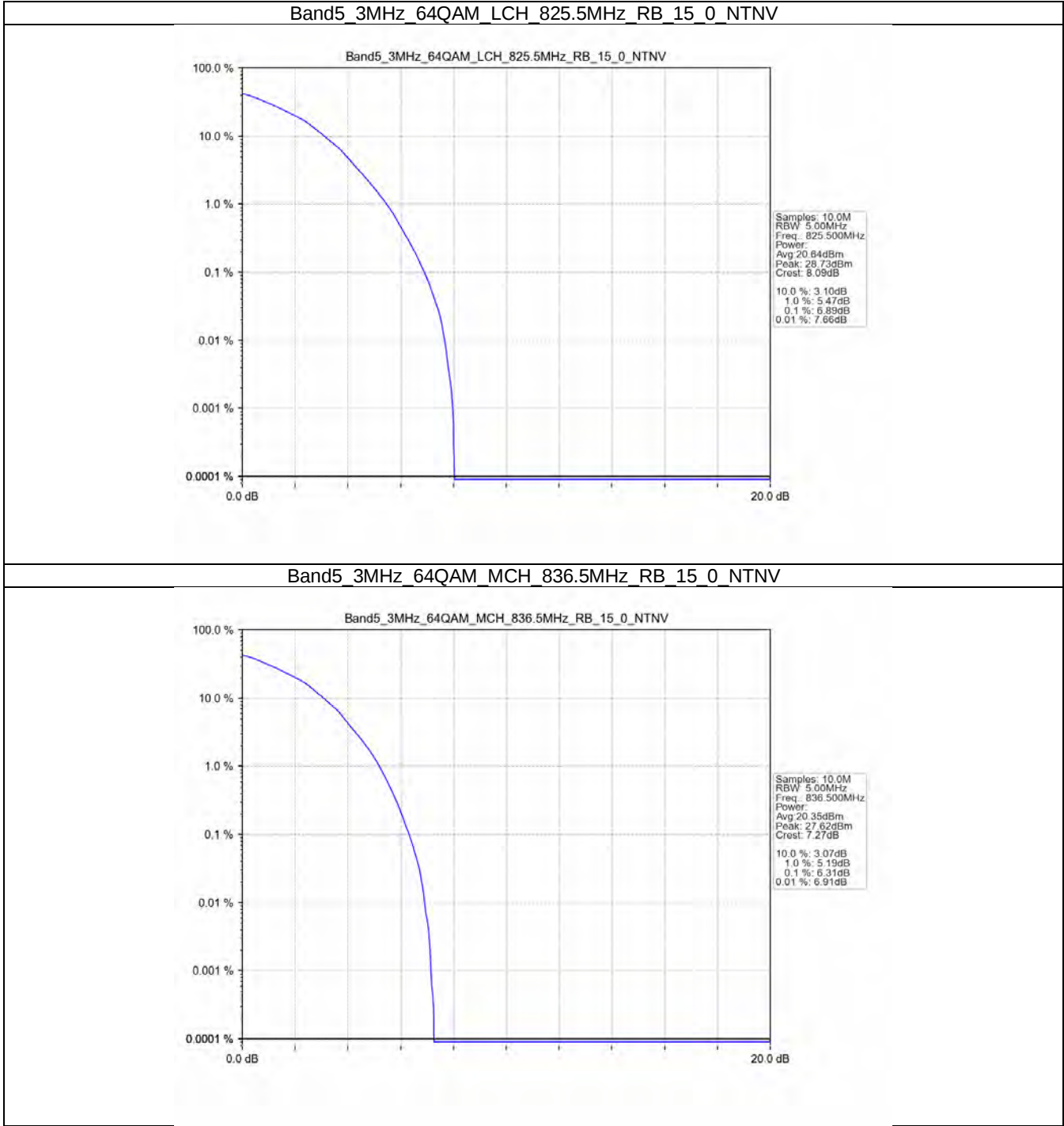
4.2.1 B5_1.4MHz



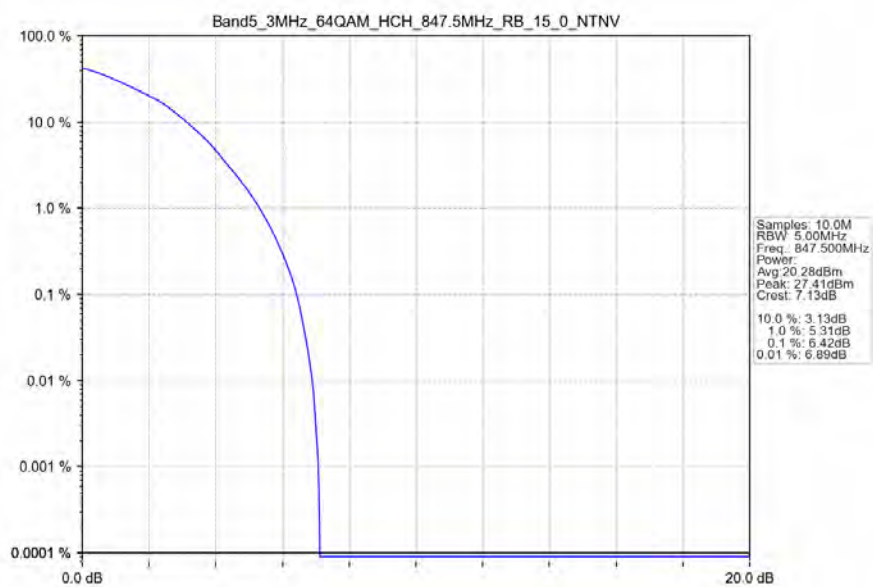
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV



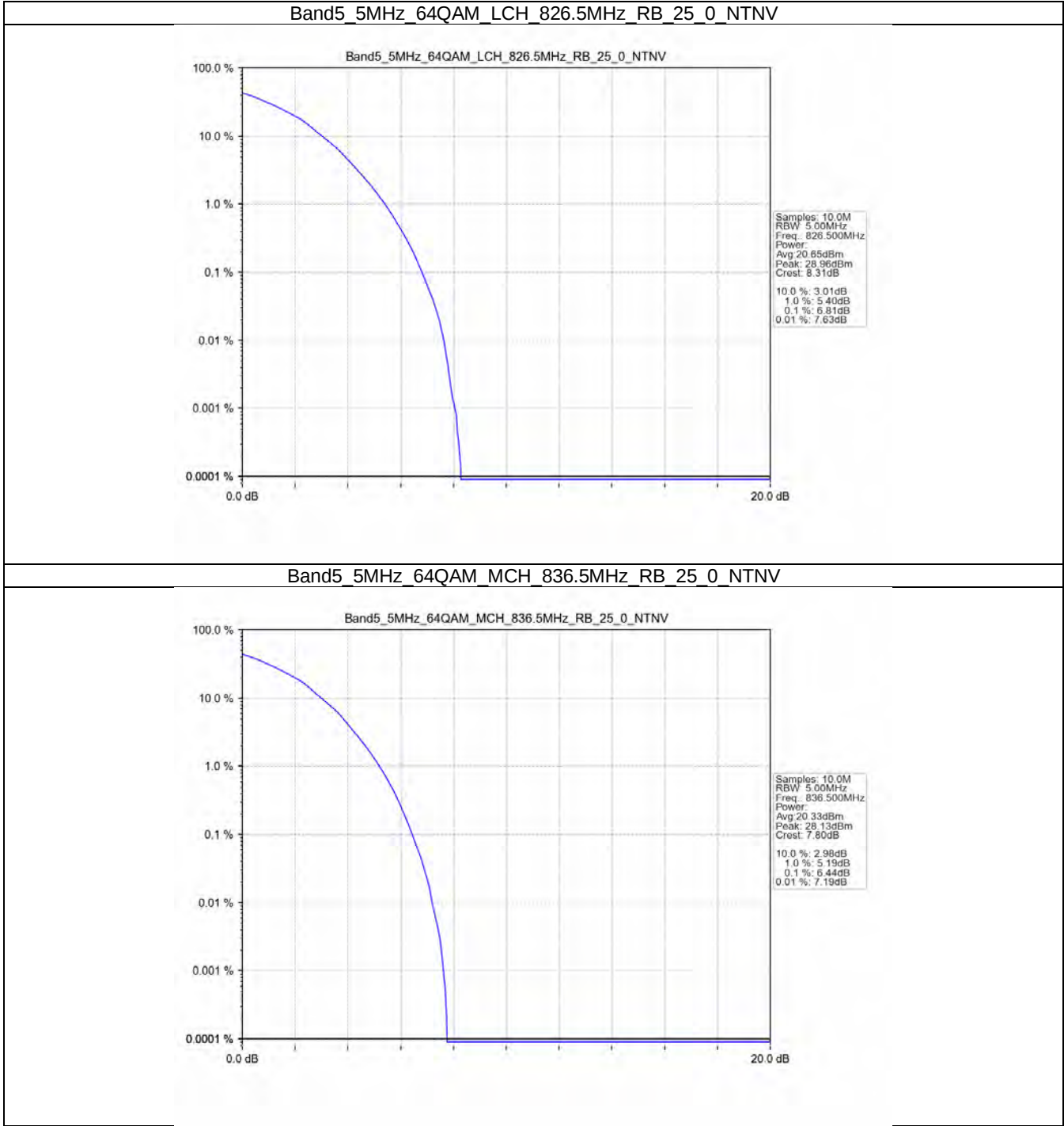
4.2.2 B5_3MHz



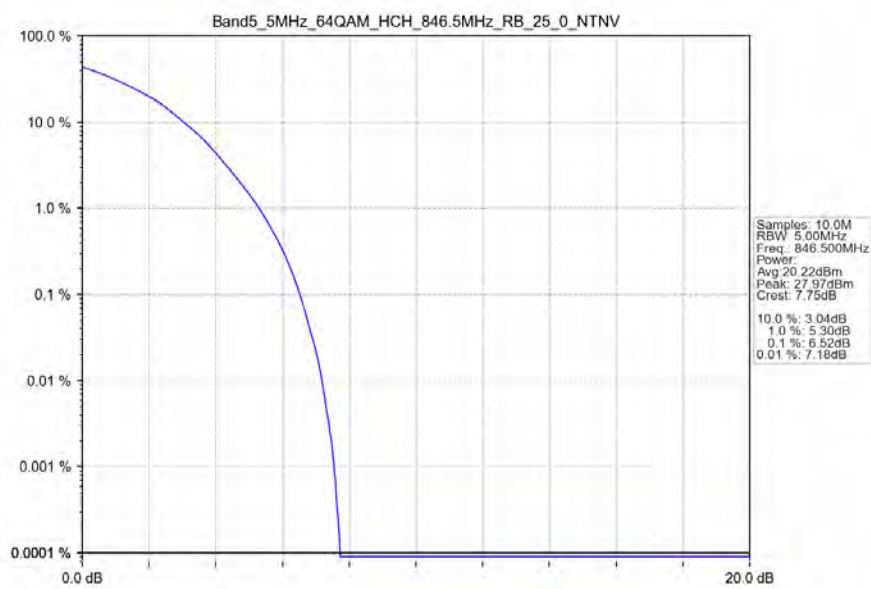
Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV



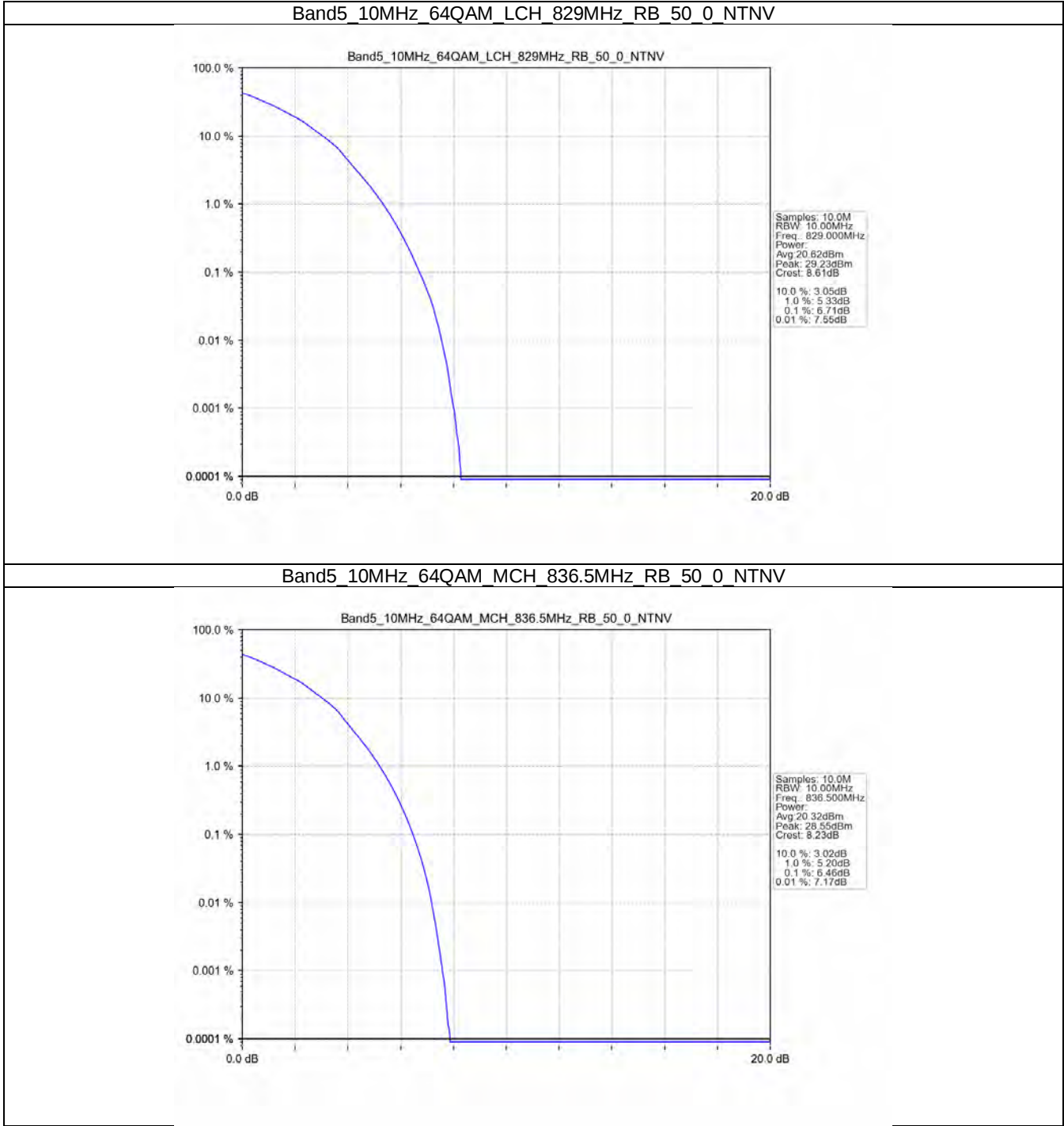
4.2.3 B5_5MHz



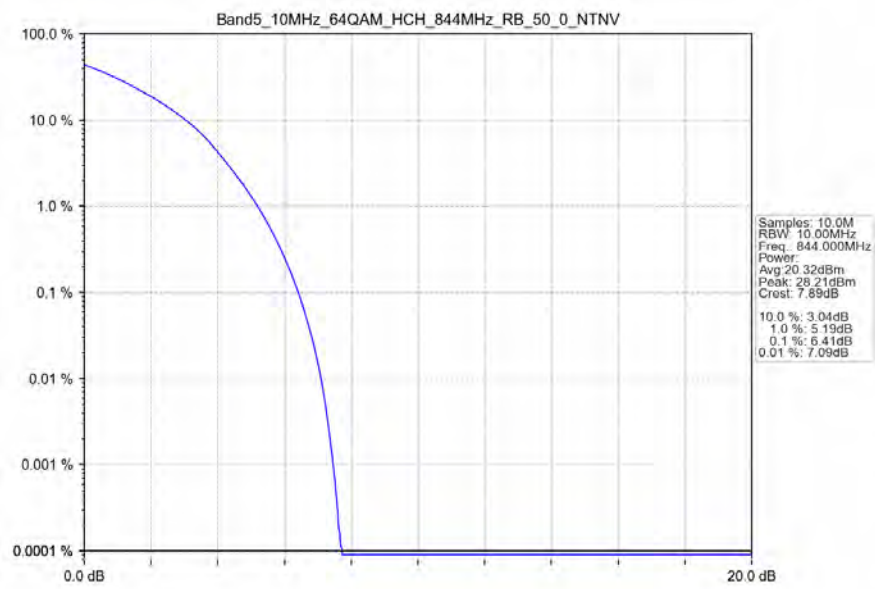
Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV



4.2.4 B5_10MHz



Band5_10MHz_64QAM_HCH_844MHz_RB_50_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B5_1.4MHz

Band: 5 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	824.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
		848.3	1	0	Refer To Test Graph	
	5			Refer To Test Graph		Pass
	6		0	Refer To Test Graph		Pass

5.1.2 B5_3MHz

Band: 5 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	825.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	847.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.1.3 B5_5MHz

Band: 5 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	826.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass
	846.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

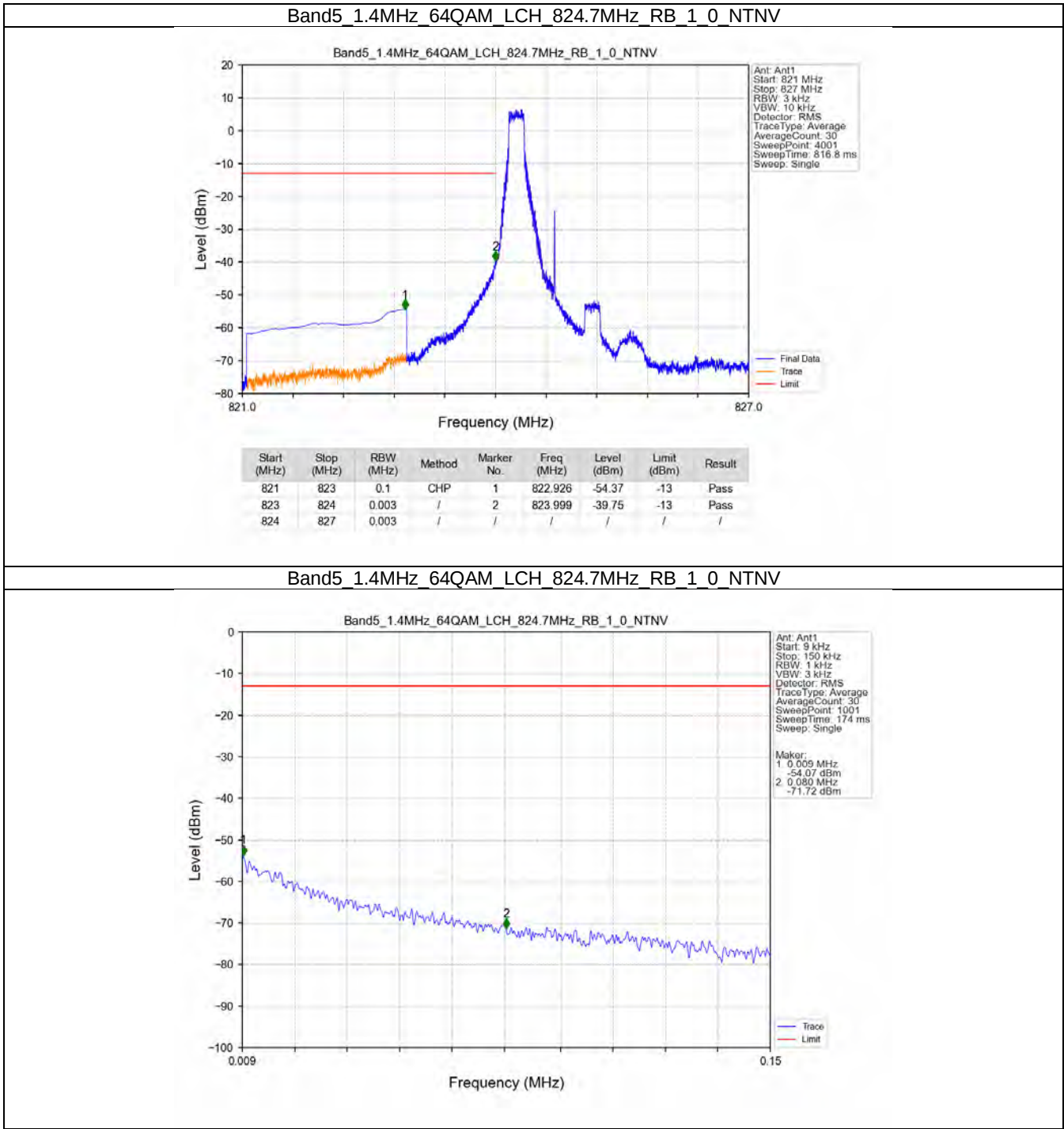
5.1.4 B5_10MHz

Band: 5 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
64QAM	829	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	836.5	1	0	Refer To Test Graph		Pass

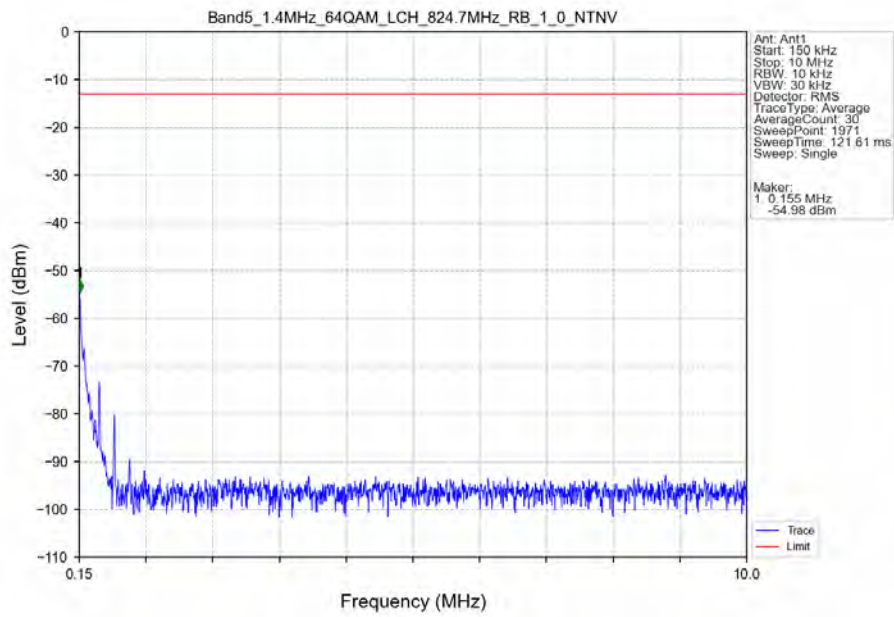
	844	1	0	Refer To Test Graph	Pass
			49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.2 Test Graph

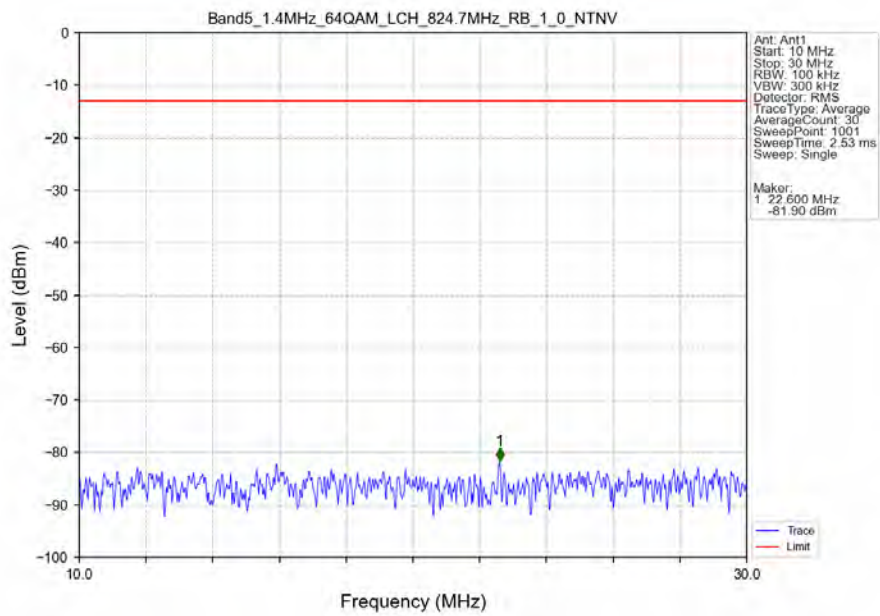
5.2.1 B5_1.4MHz



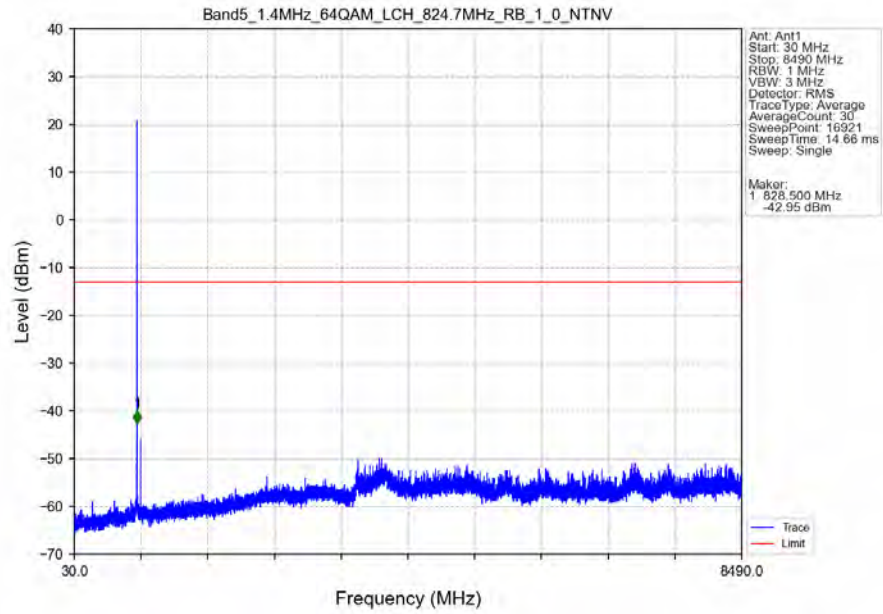
Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_1_0_NTNV



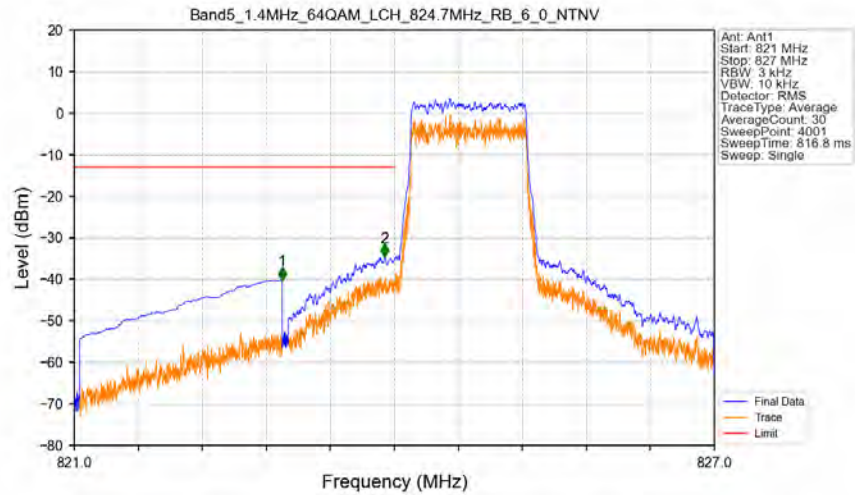
Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_1_0_NTNV



Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_1_0_NTNV

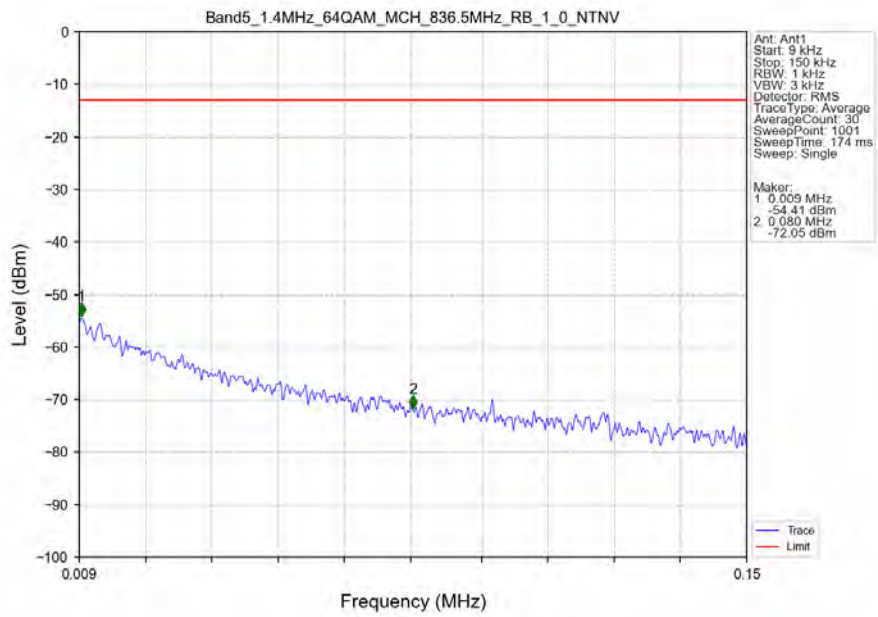


Band5_1.4MHz_64QAM_LCH_824.7MHz_RB_6_0_NTNV

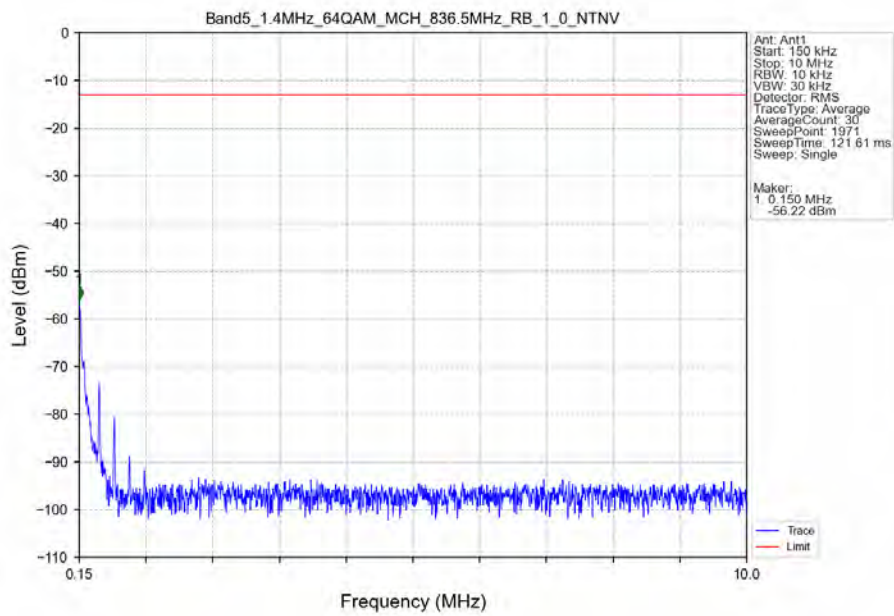


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.948	-40.15	-13	Pass
823	824	0.013	CHP	2	823.910	-34.66	-13	Pass
824	827	0.013	CHP	/	/	/	/	/

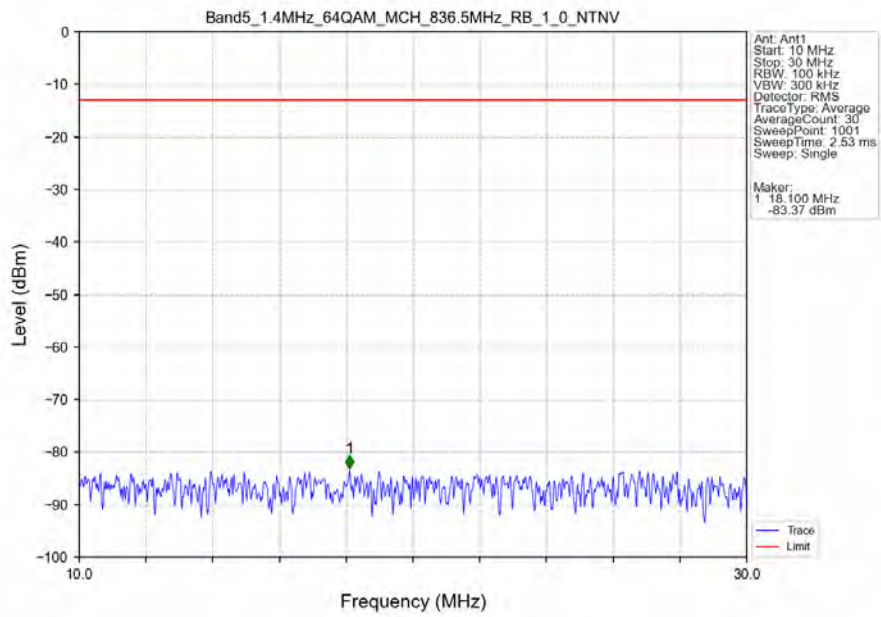
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



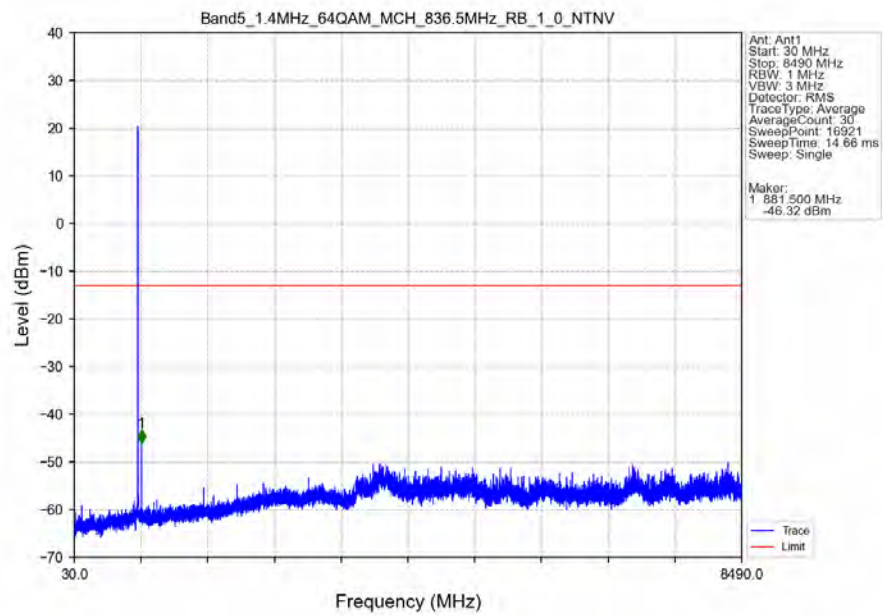
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



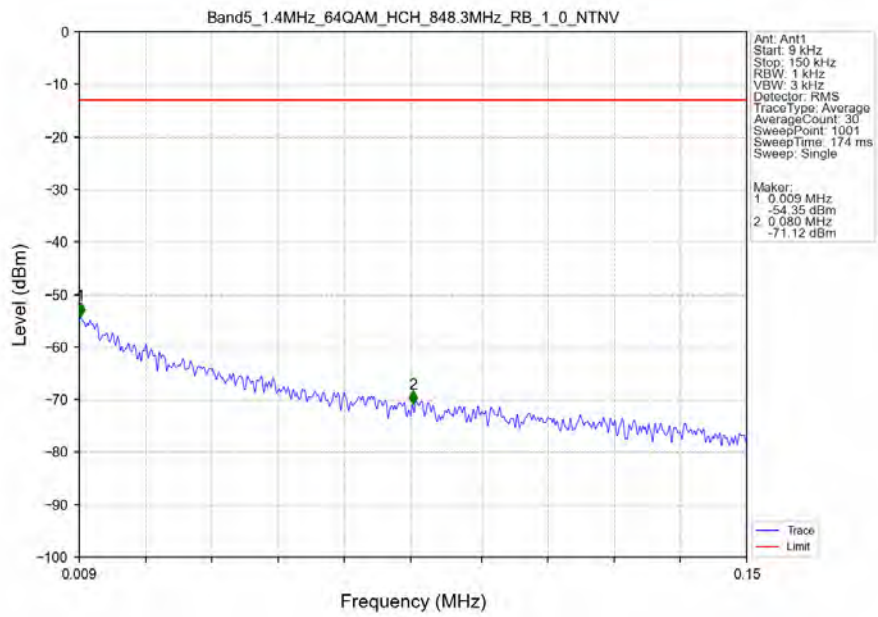
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



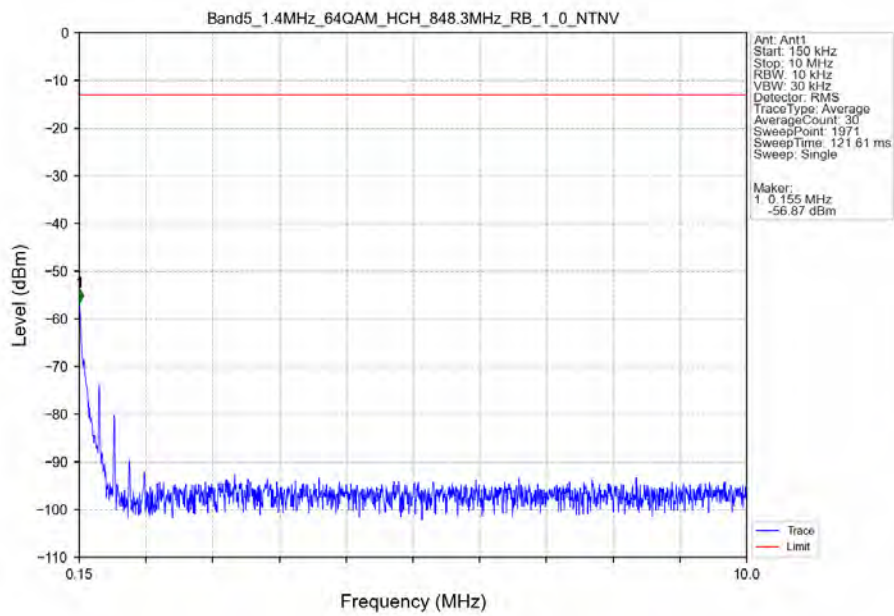
Band5_1.4MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



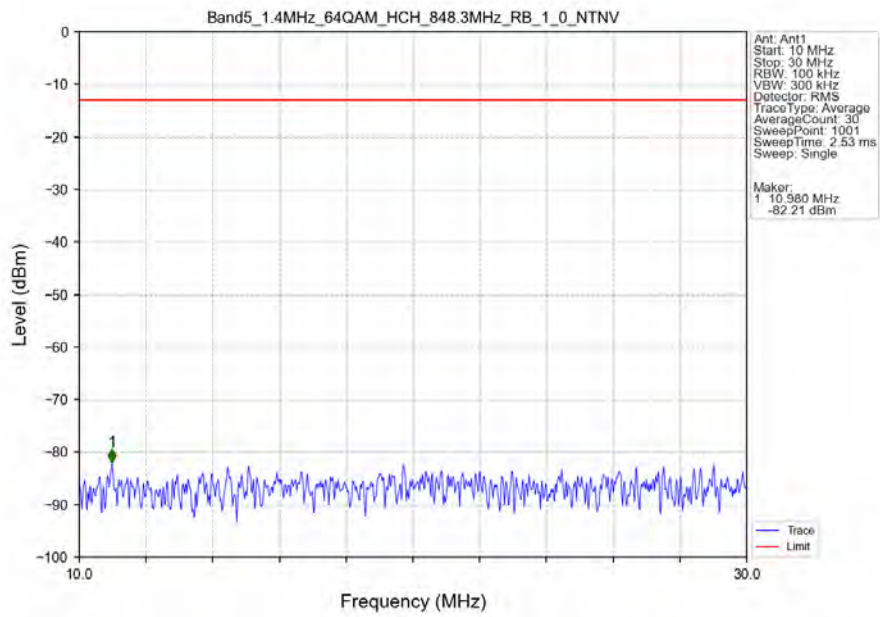
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_0_NTNV



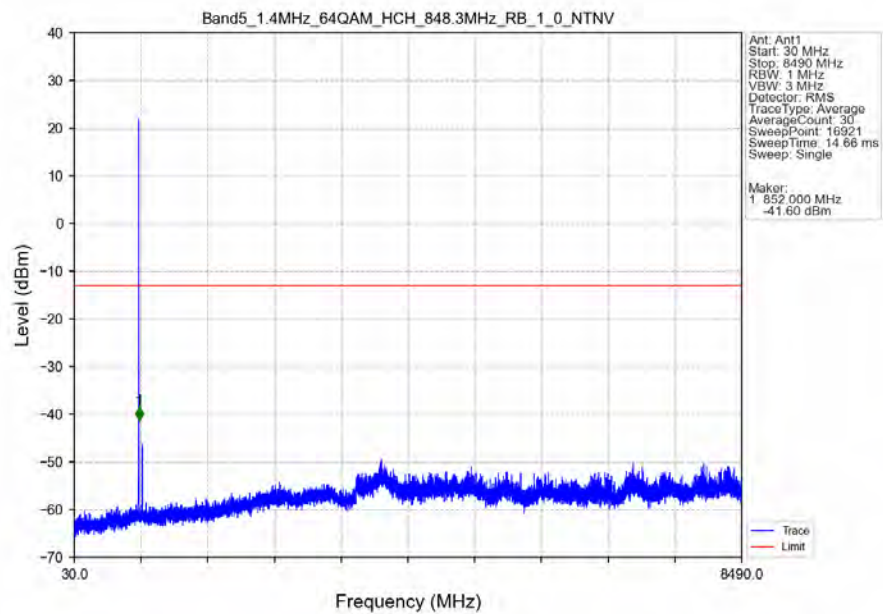
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_0_NTNV



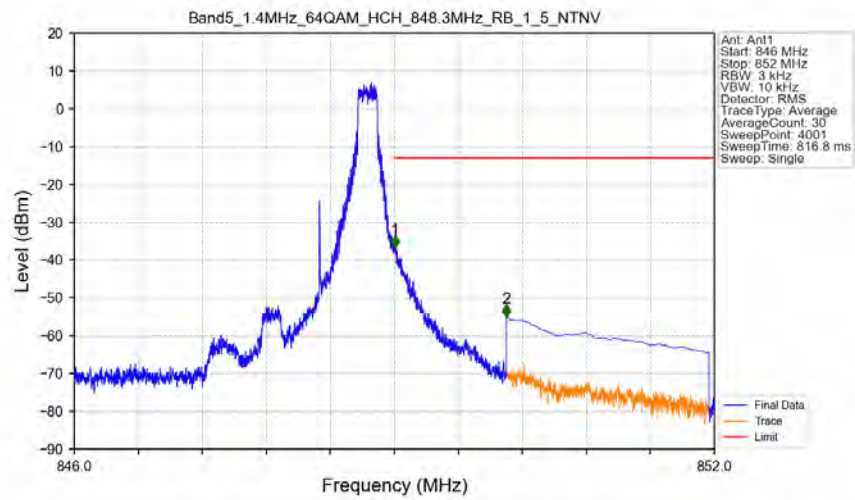
Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_0_NTNV



Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_0_NTNV

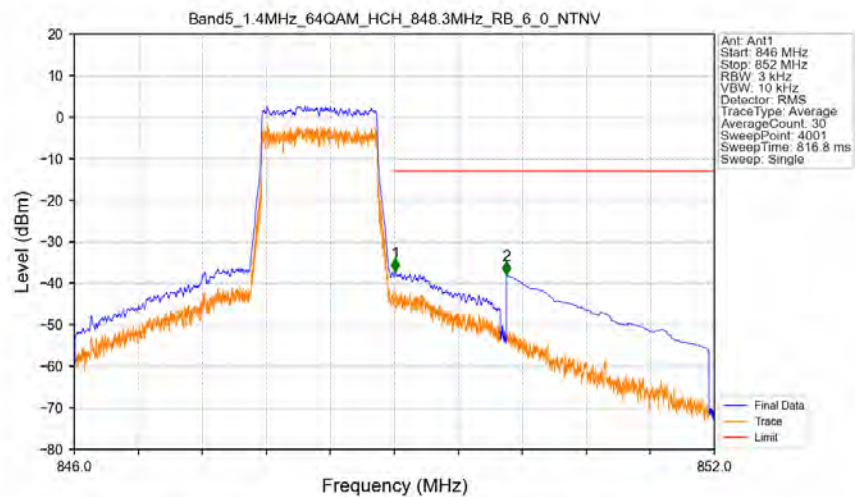


Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_1_5_NTNV



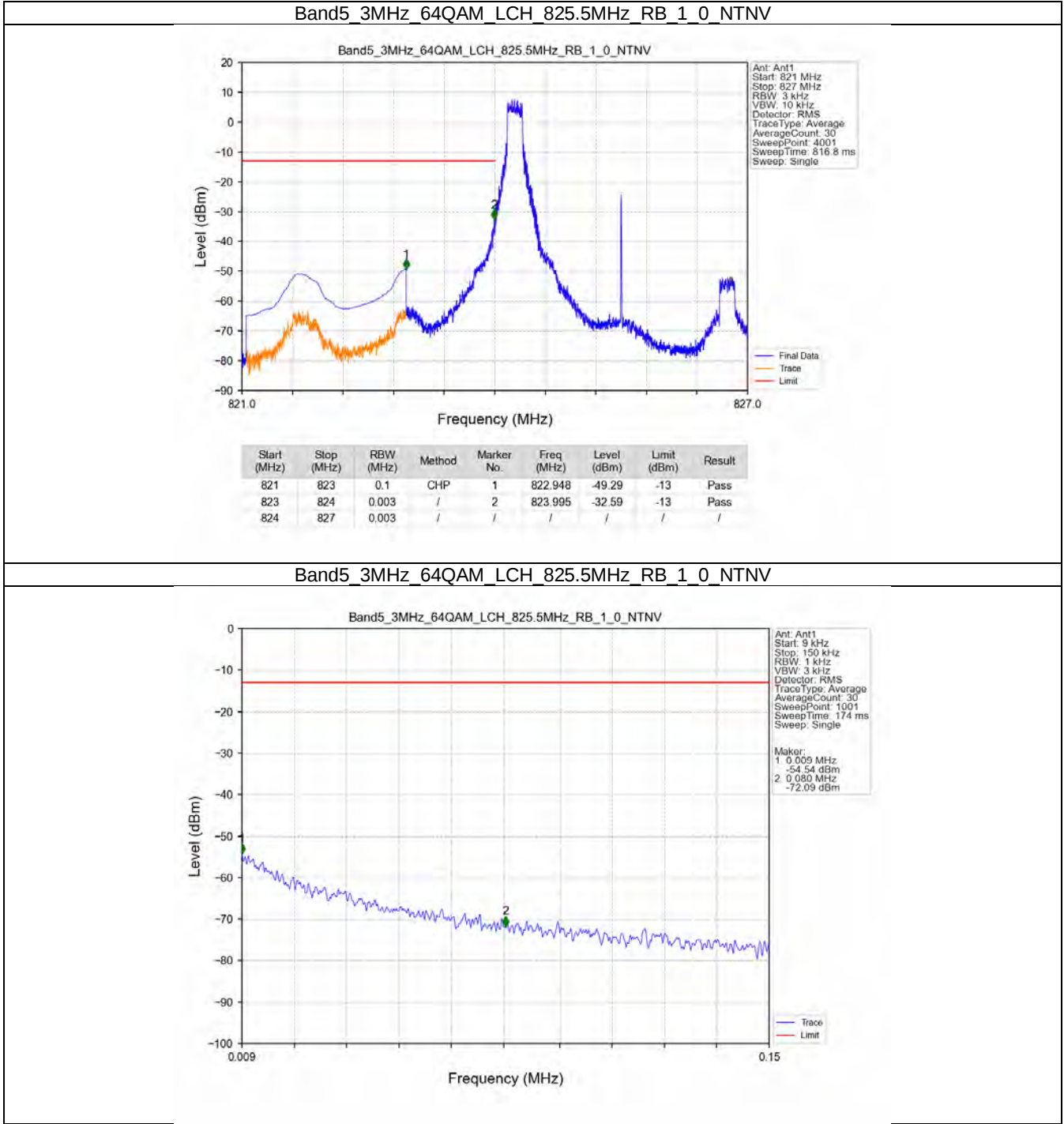
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.005	-36.86	-13	Pass
850	852	0.1	CHP	2	850.052	-55.14	-13	Pass

Band5_1.4MHz_64QAM_HCH_848.3MHz_RB_6_0_NTNV

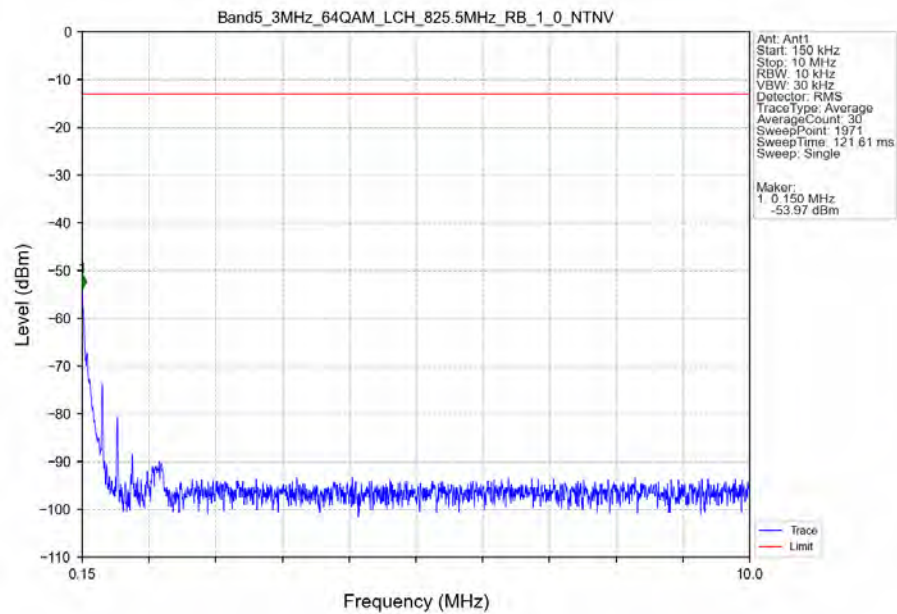


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.013	CHP	/	/	/	/	/
849	850	0.013	CHP	1	849.009	-37.19	-13	Pass
850	852	0.1	CHP	2	850.052	-37.91	-13	Pass

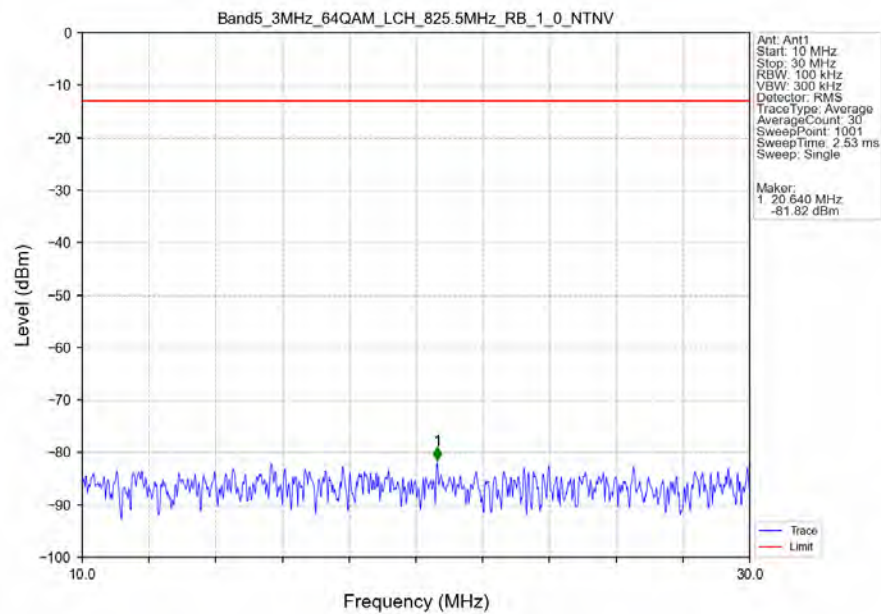
5.2.2 B5_3MHz



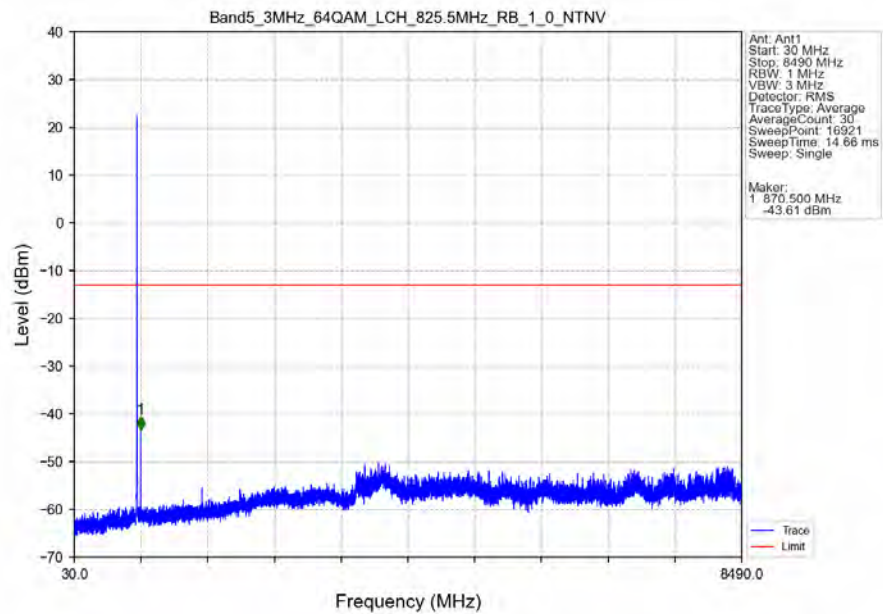
Band5_3MHz_64QAM_LCH_825.5MHz_RB_1_0_NTNV



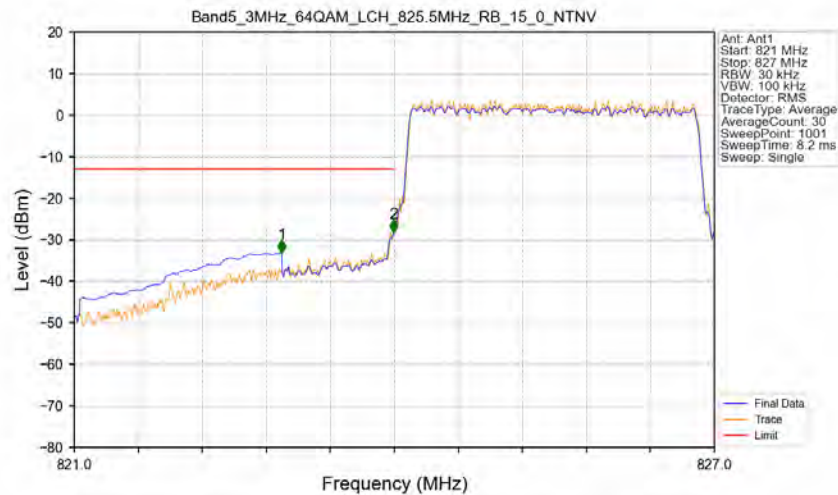
Band5_3MHz_64QAM_LCH_825.5MHz_RB_1_0_NTNV



Band5_3MHz_64QAM_LCH_825.5MHz_RB_1_0_NTNV

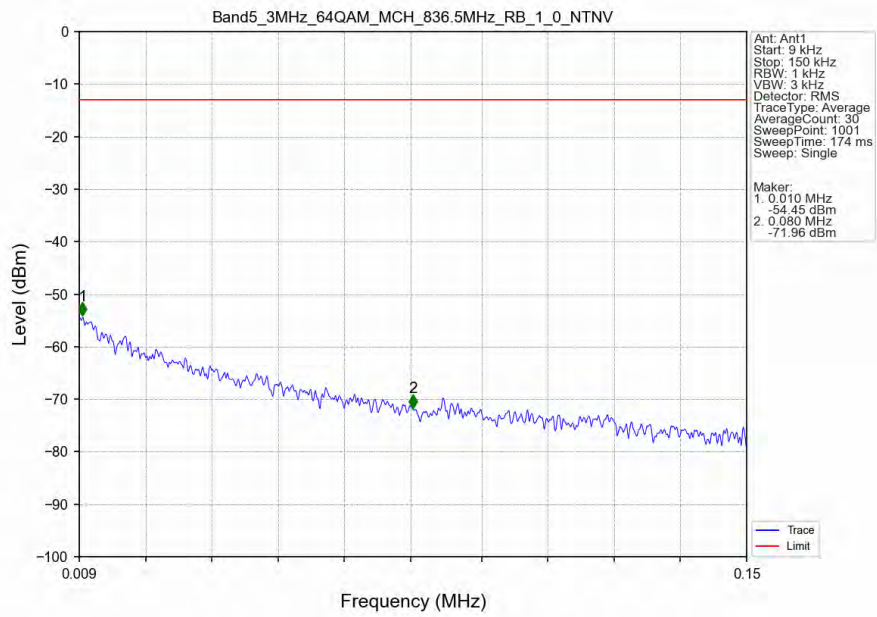


Band5_3MHz_64QAM_LCH_825.5MHz_RB_15_0_NTNV

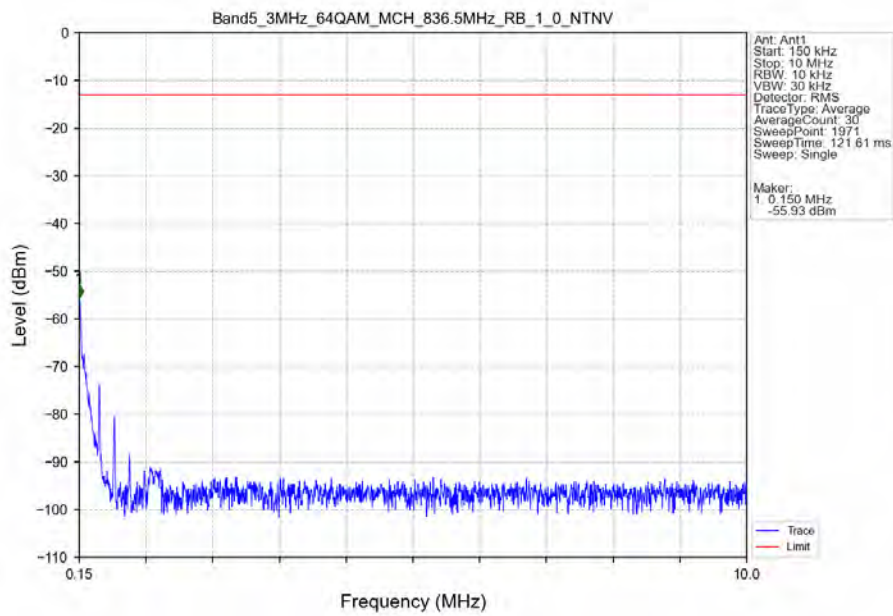


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
821	823	0.1	CHP	1	822.944	-33.09	-13	Pass
823	824	0.031	CHP	2	823.994	-28.18	-13	Pass
824	827	0.031	CHP	/	/	/	/	/

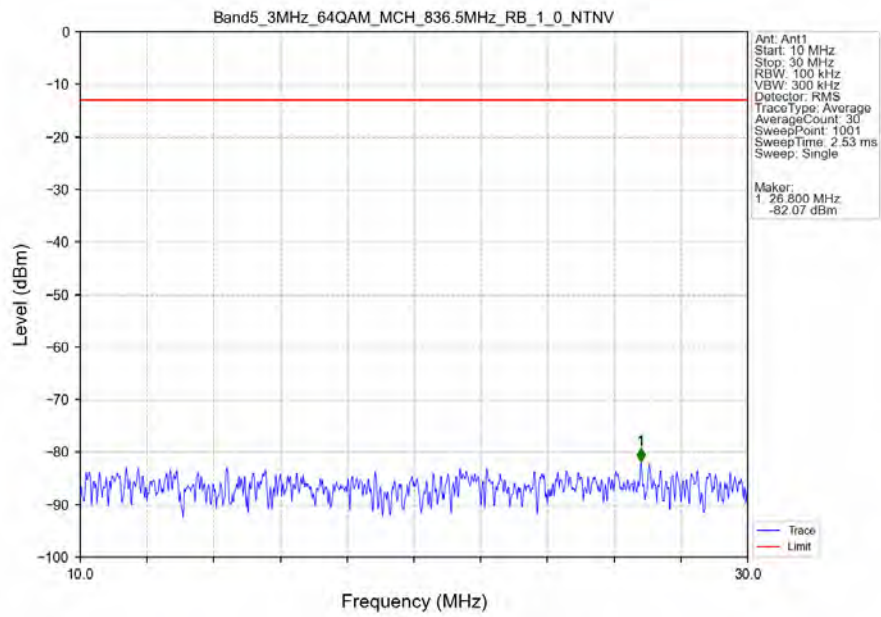
Band5_3MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



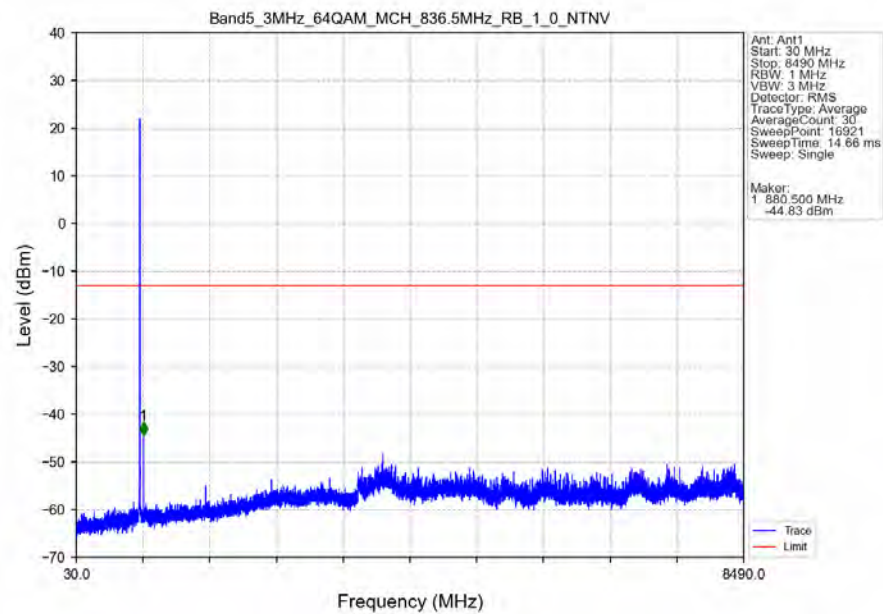
Band5_3MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



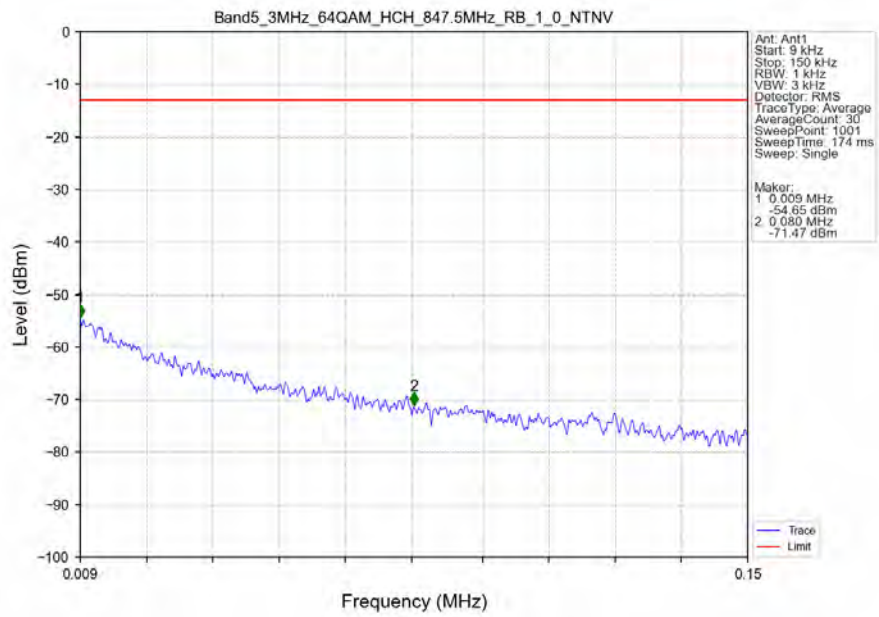
Band5_3MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



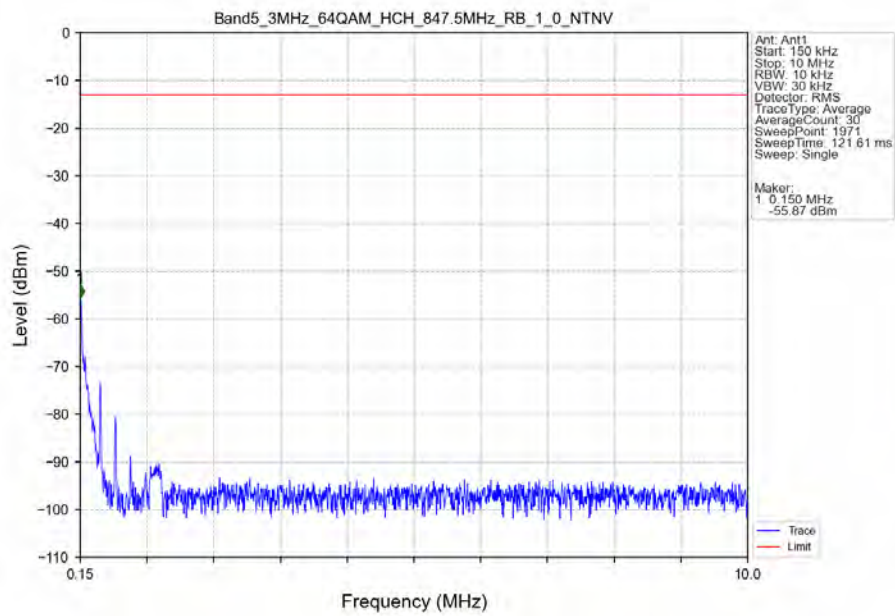
Band5_3MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



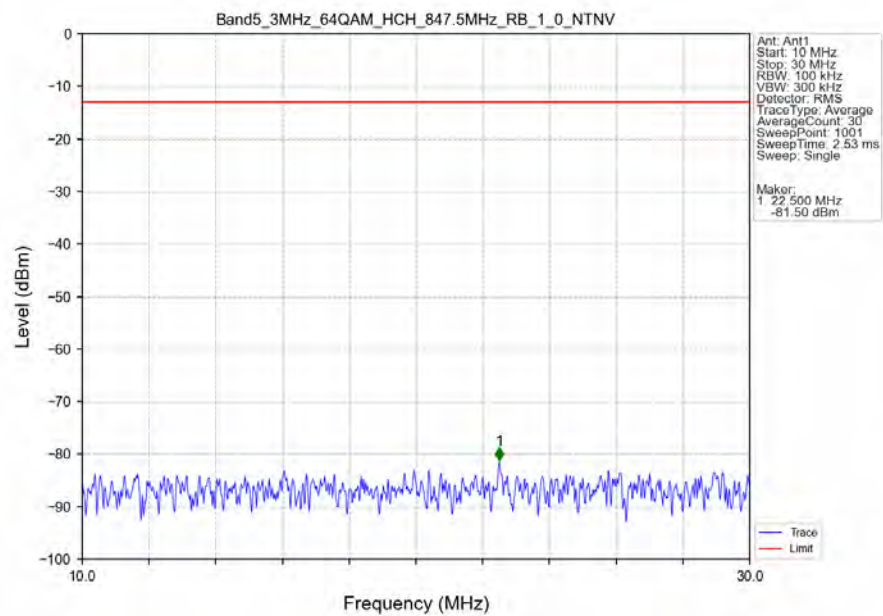
Band5_3MHz_64QAM_HCH_847.5MHz_RB_1_0_NTNV



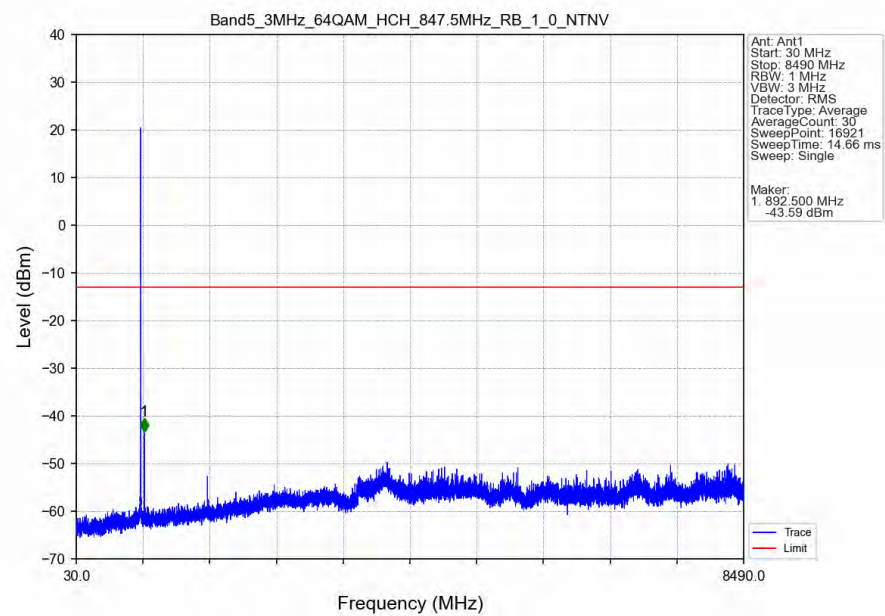
Band5_3MHz_64QAM_HCH_847.5MHz_RB_1_0_NTNV



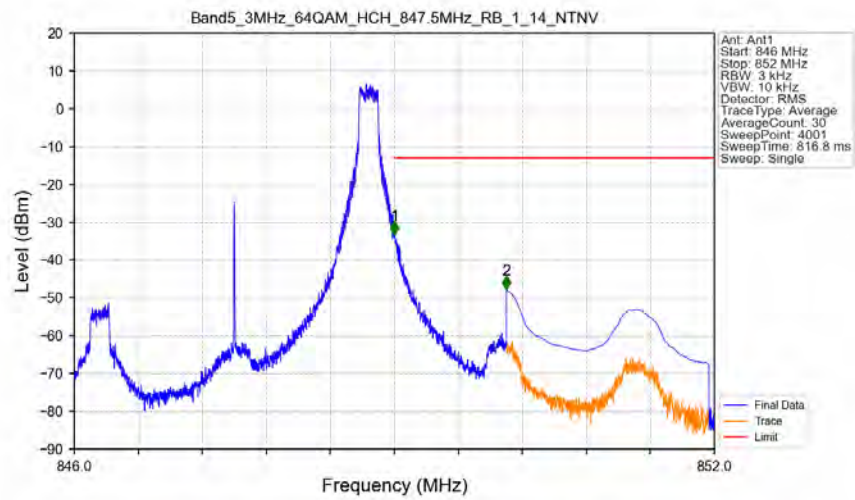
Band5_3MHz_64QAM_HCH_847.5MHz_RB_1_0_NTNV



Band5_3MHz_64QAM_HCH_847.5MHz_RB_1_0_NTNV

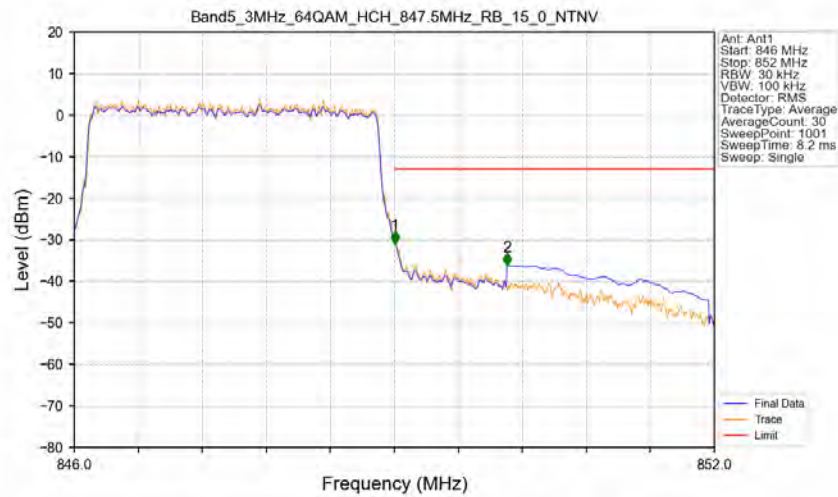


Band5_3MHz_64QAM_HCH_847.5MHz_RB_1_14_NTNV



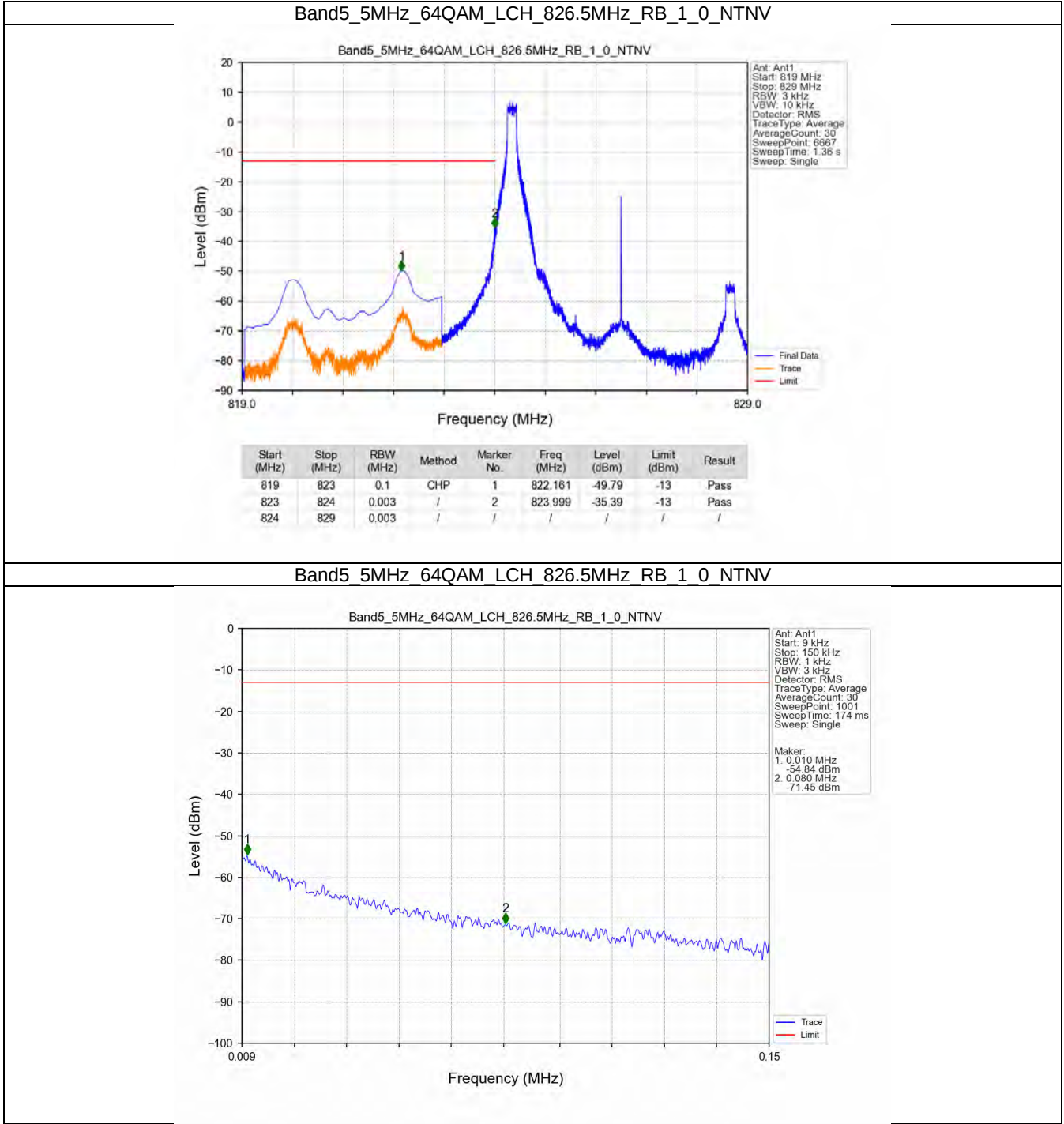
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-33.26	-13	Pass
850	852	0.1	CHP	2	850.052	-47.76	-13	Pass

Band5_3MHz_64QAM_HCH_847.5MHz_RB_15_0_NTNV

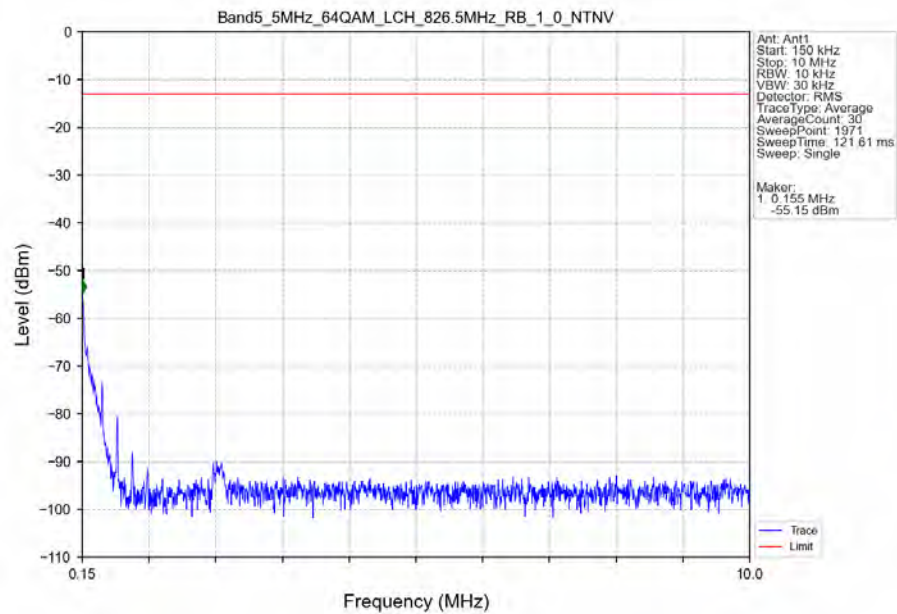


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
846	849	0.031	CHP	/	/	/	/	/
849	850	0.031	CHP	1	849.006	-30.95	-13	Pass
850	852	0.1	CHP	2	850.056	-36.23	-13	Pass

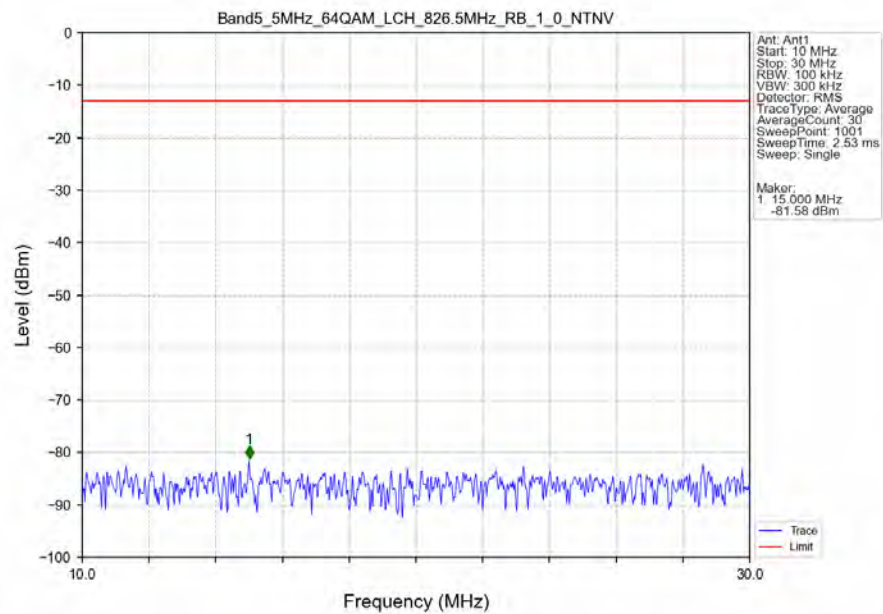
5.2.3 B5_5MHz



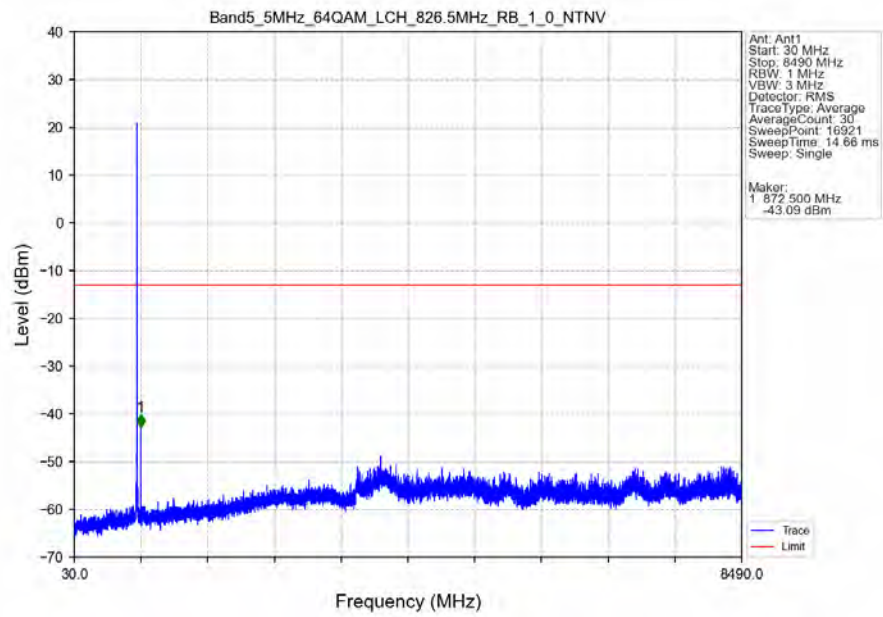
Band5_5MHz_64QAM_LCH_826.5MHz_RB_1_0_NTNV



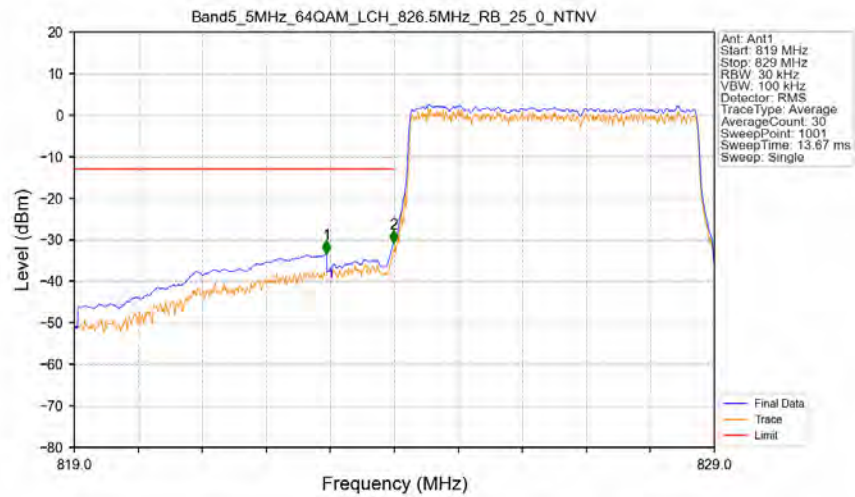
Band5_5MHz_64QAM_LCH_826.5MHz_RB_1_0_NTNV



Band5_5MHz_64QAM_LCH_826.5MHz_RB_1_0_NTNV

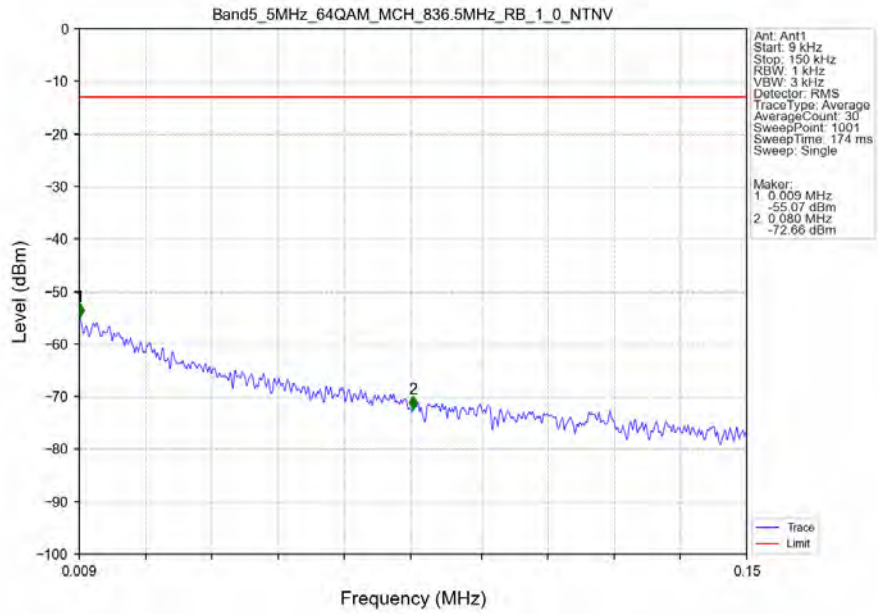


Band5_5MHz_64QAM_LCH_826.5MHz_RB_25_0_NTNV

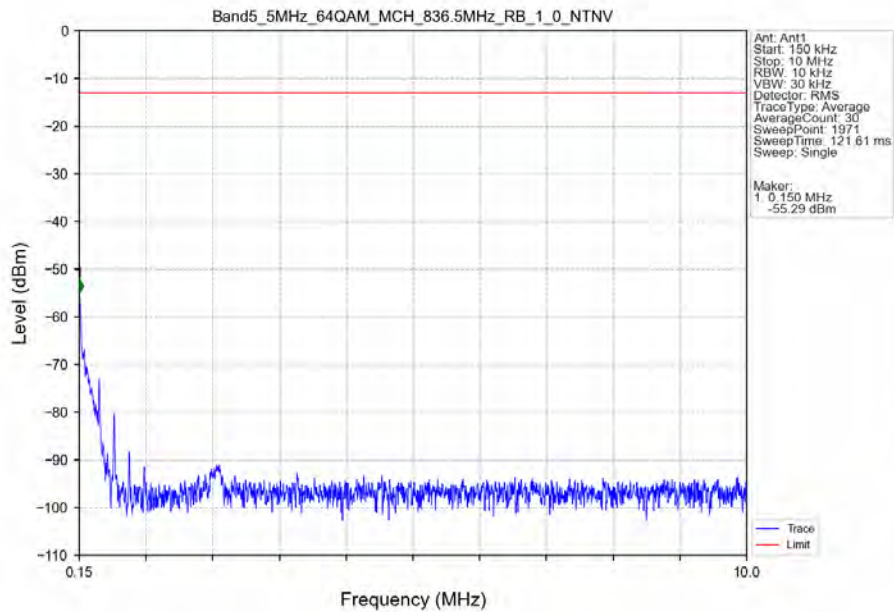


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
819	823	0.1	CHP	1	822.940	-33.37	-13	Pass
823	824	0.051	CHP	2	823.990	-30.77	-13	Pass
824	829	0.051	CHP	/	/	/	/	/

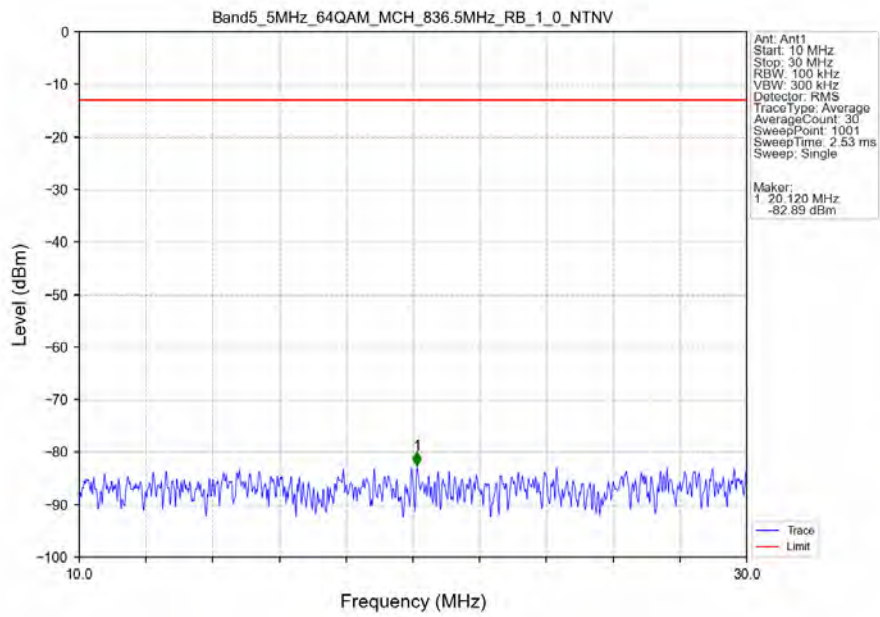
Band5_5MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



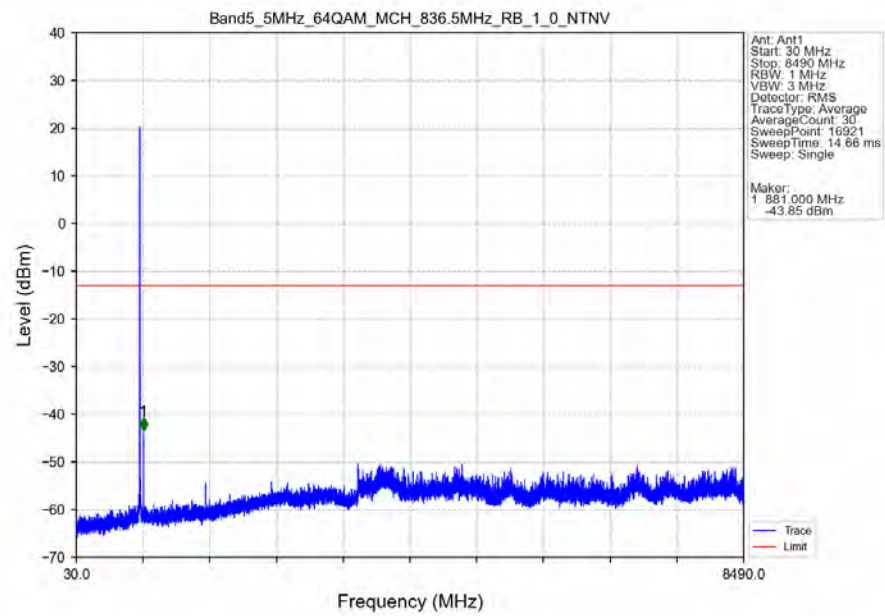
Band5_5MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



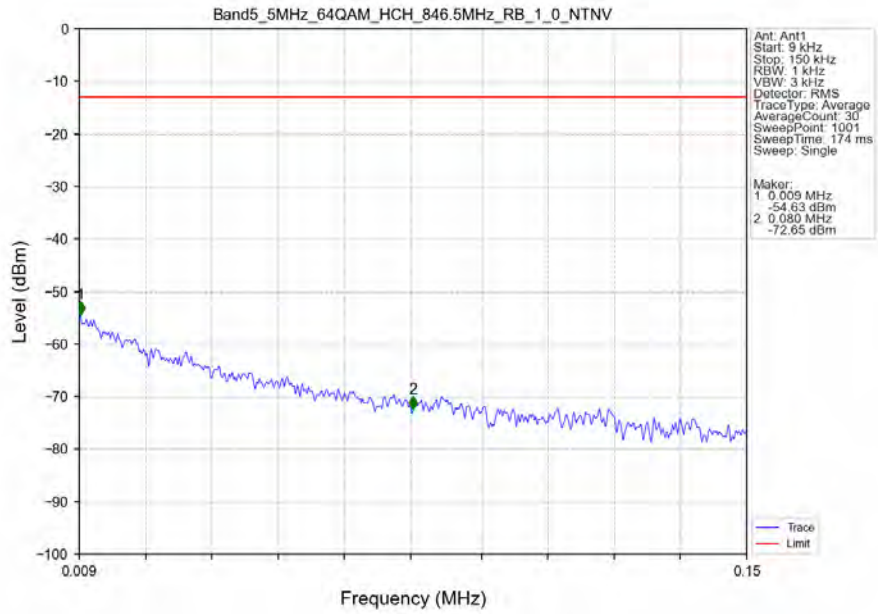
Band5_5MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



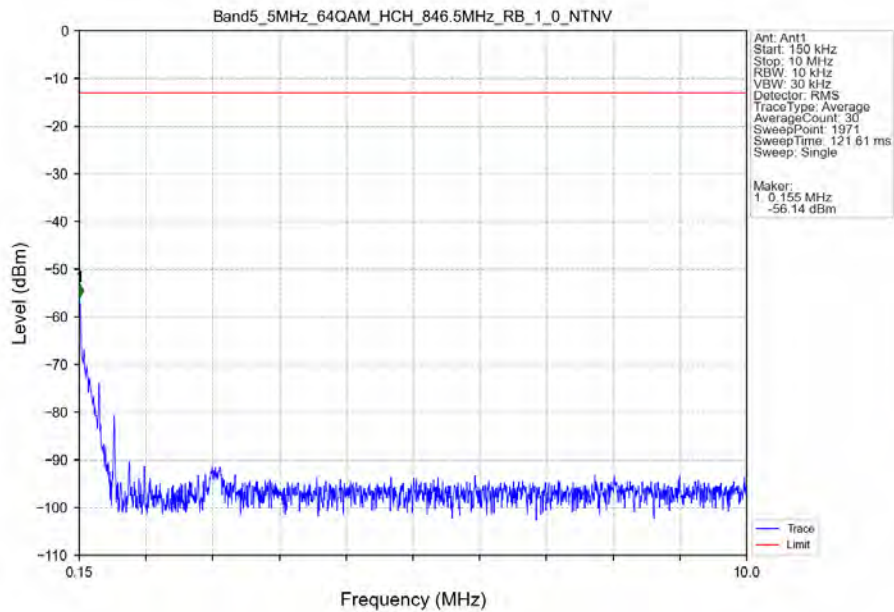
Band5_5MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



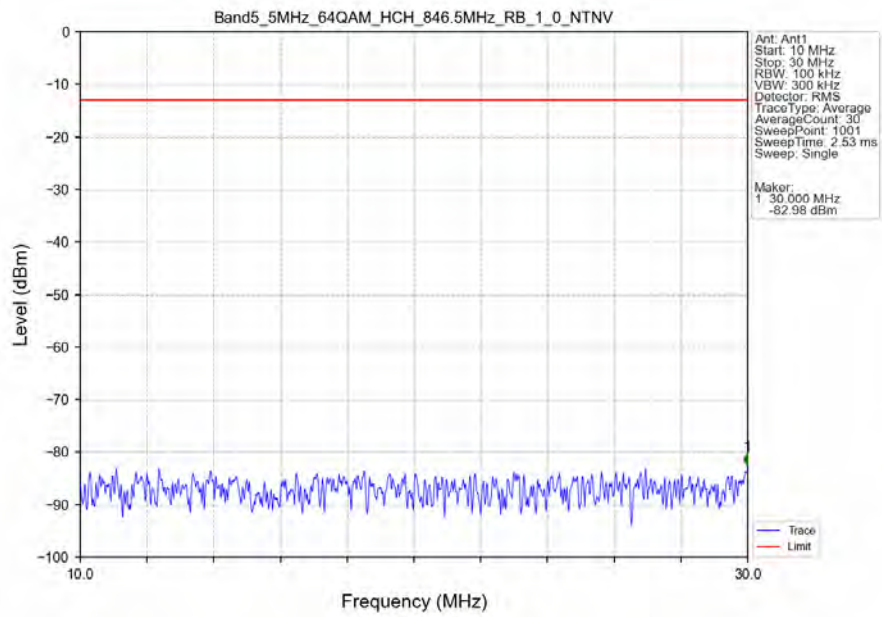
Band5_5MHz_64QAM_HCH_846.5MHz_RB_1_0_NTNV



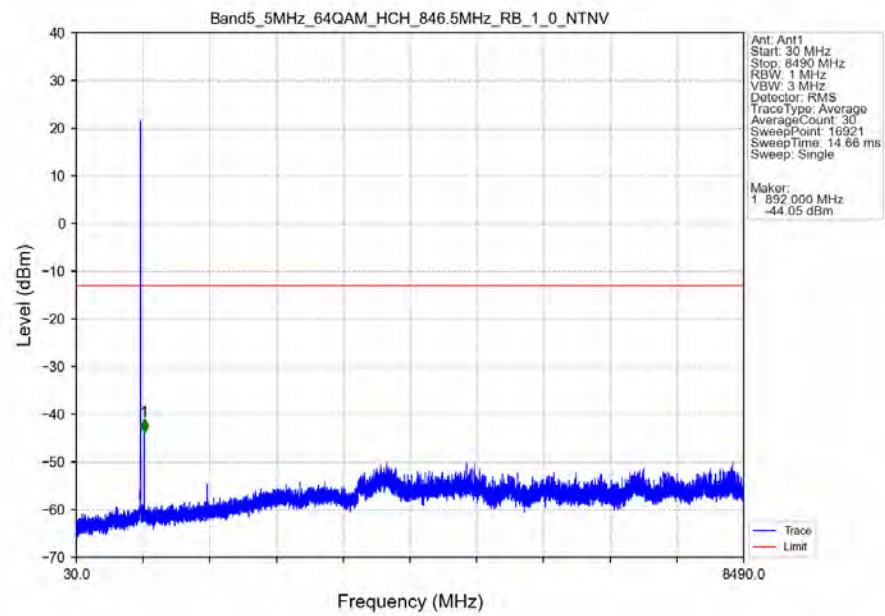
Band5_5MHz_64QAM_HCH_846.5MHz_RB_1_0_NTNV



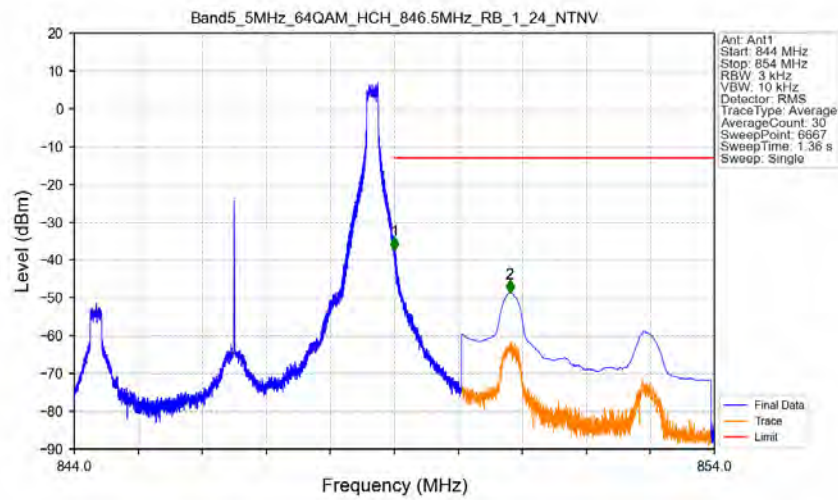
Band5_5MHz_64QAM_HCH_846.5MHz_RB_1_0_NTNV



Band5_5MHz_64QAM_HCH_846.5MHz_RB_1_0_NTNV

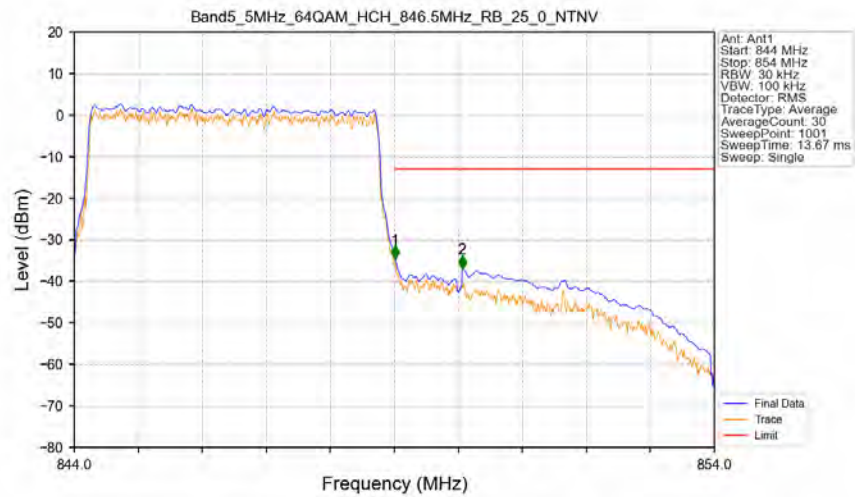


Band5_5MHz_64QAM_HCH_846.5MHz_RB_1_24_NTNV



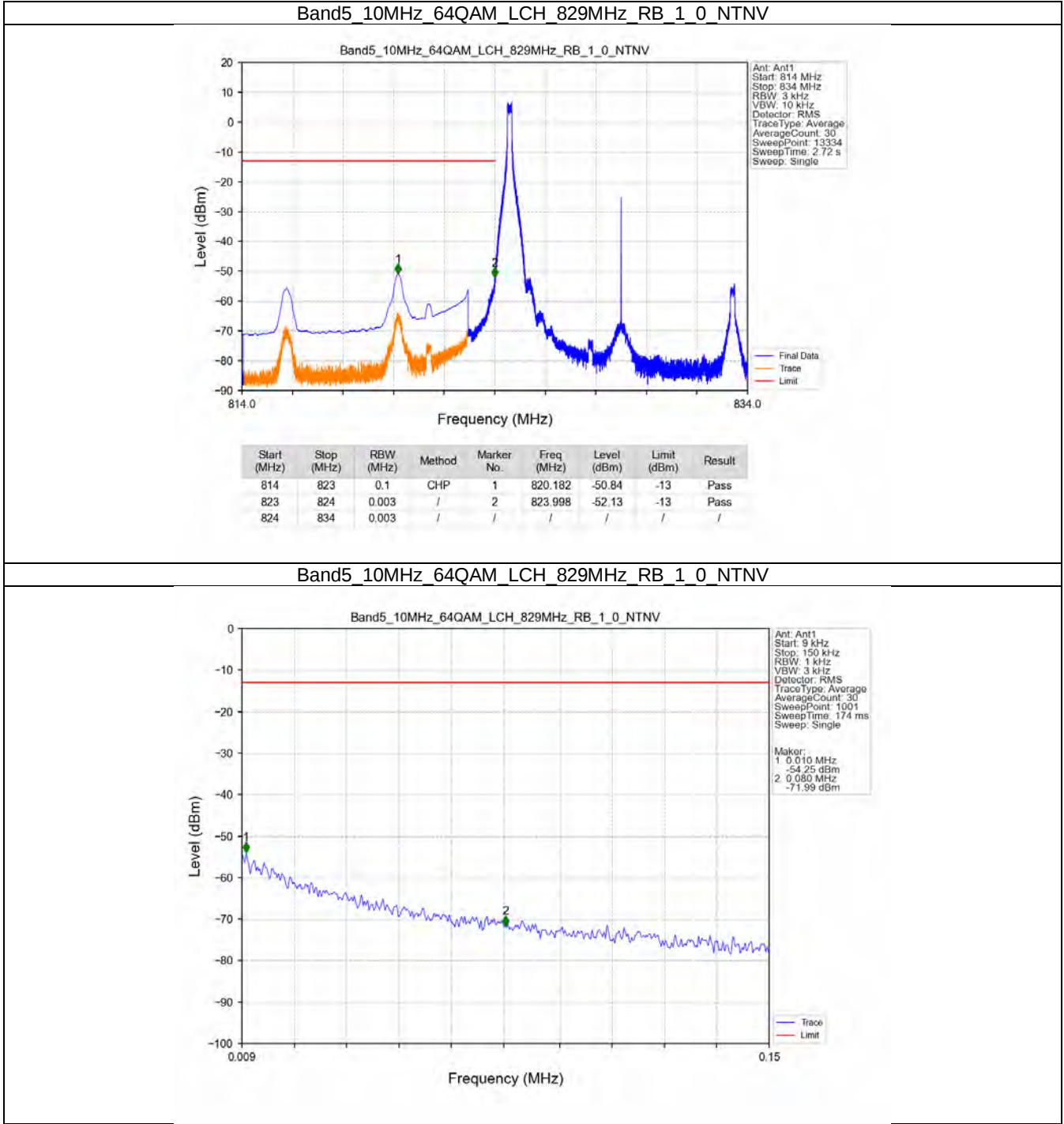
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.003	/	/	/	/	/	/
849	850	0.003	/	1	849.001	-37.34	-13	Pass
850	854	0.1	CHP	2	850.803	-48.70	-13	Pass

Band5_5MHz_64QAM_HCH_846.5MHz_RB_25_0_NTNV

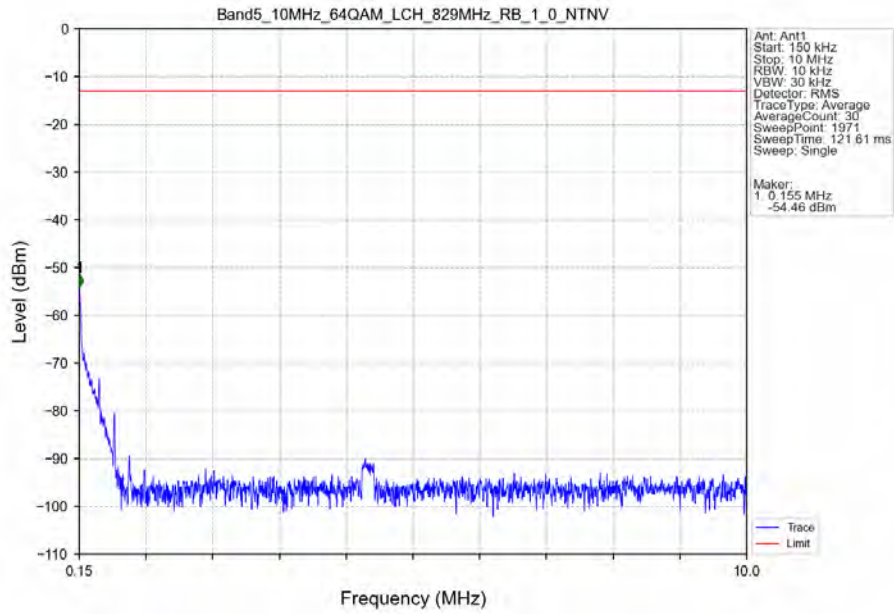


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
844	849	0.051	CHP	/	/	/	/	/
849	850	0.051	CHP	1	849.010	-34.66	-13	Pass
850	854	0.1	CHP	2	850.060	-36.87	-13	Pass

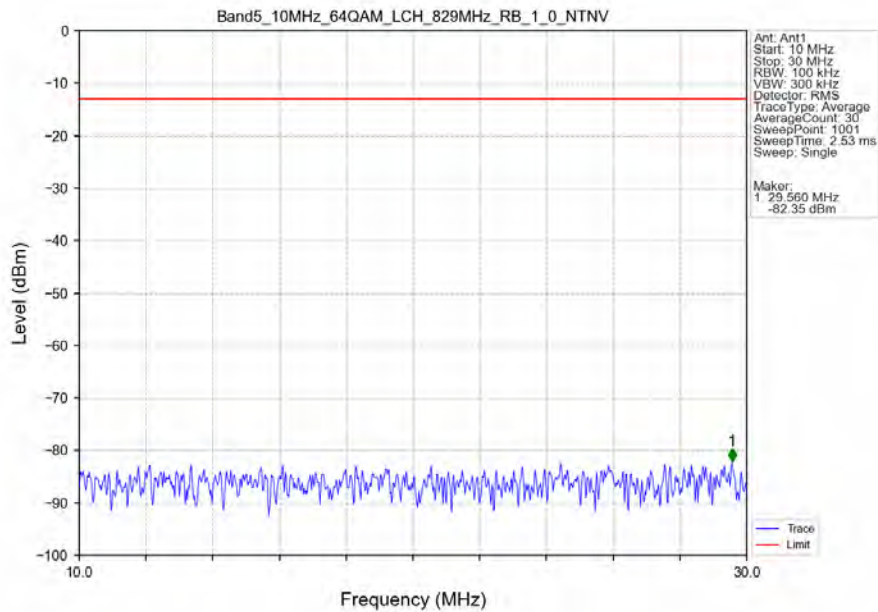
5.2.4 B5_10MHz



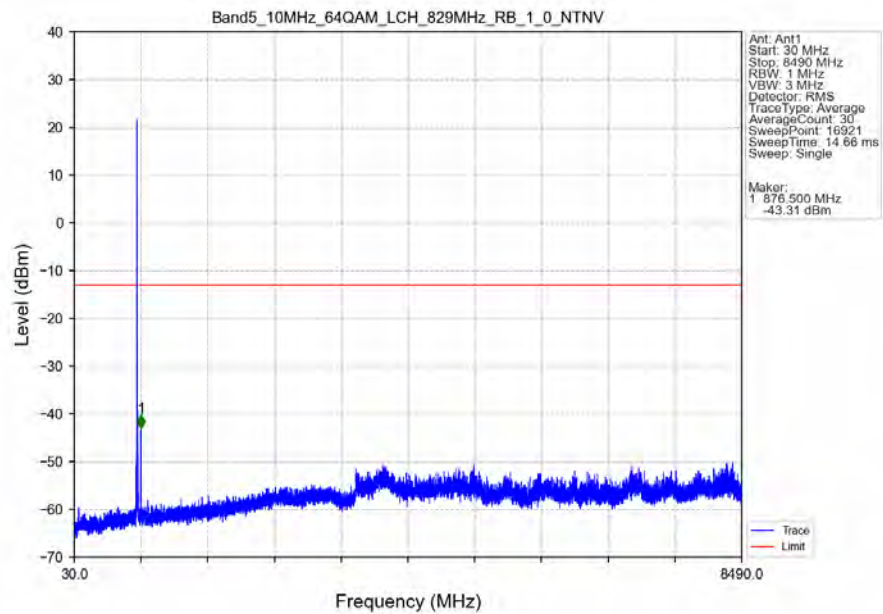
Band5_10MHz_64QAM_LCH_829MHz_RB_1_0_NTNV



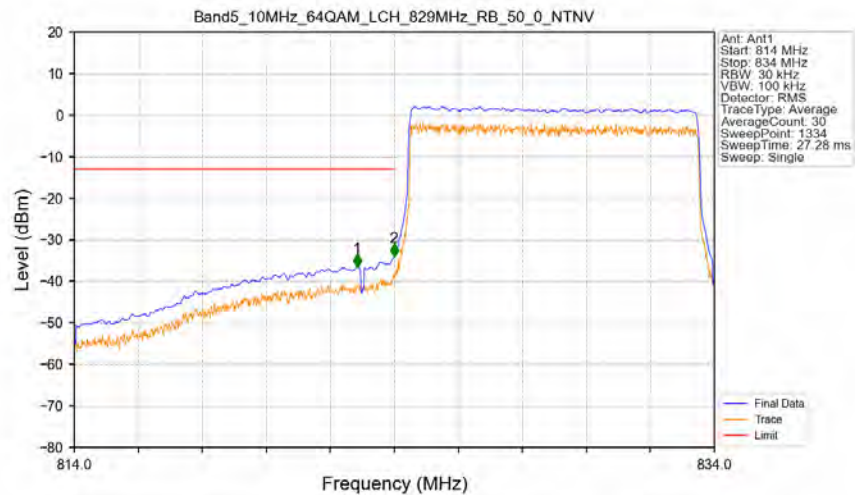
Band5_10MHz_64QAM_LCH_829MHz_RB_1_0_NTNV



Band5_10MHz_64QAM_LCH_829MHz_RB_1_0_NTNV

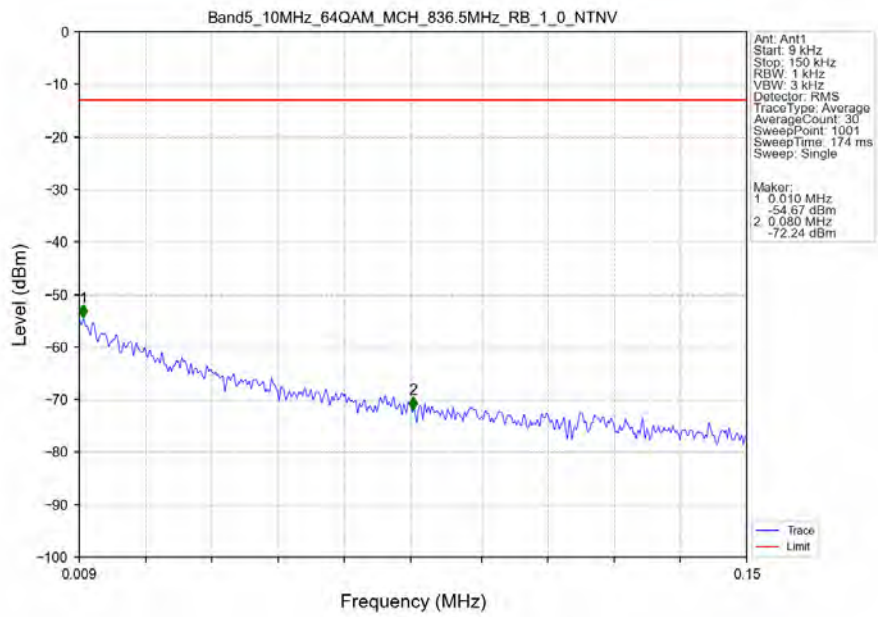


Band5_10MHz_64QAM_LCH_829MHz_RB_50_0_NTNV

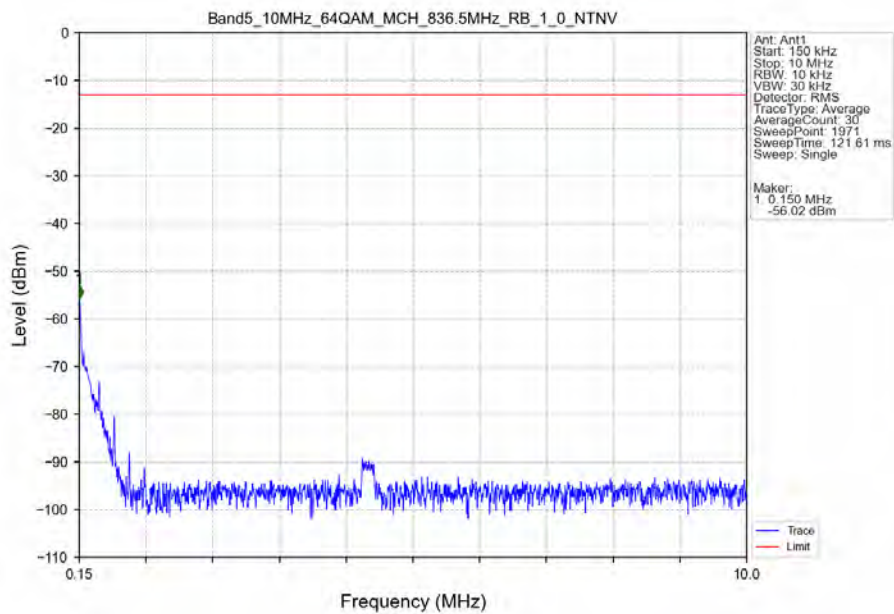


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
814	823	0.1	CHP	1	822.837	-36.55	-13	Pass
823	824	0.099	CHP	2	823.992	-34.09	-13	Pass
824	834	0.099	CHP	/	/	/	/	/

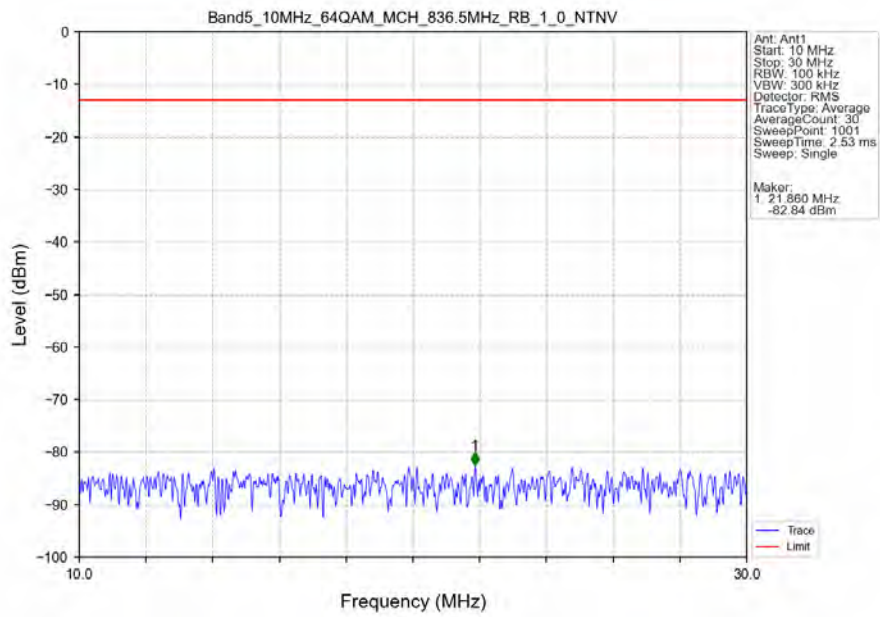
Band5_10MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



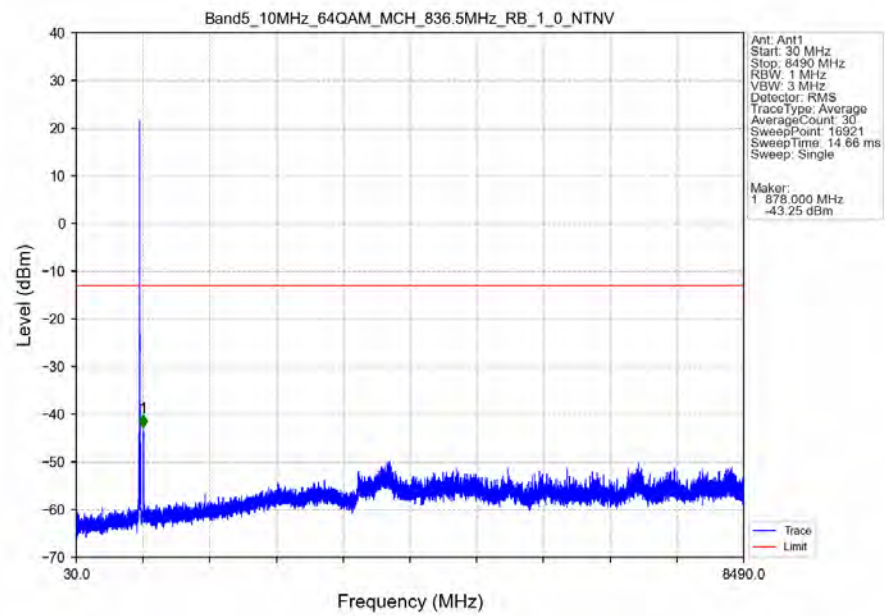
Band5_10MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



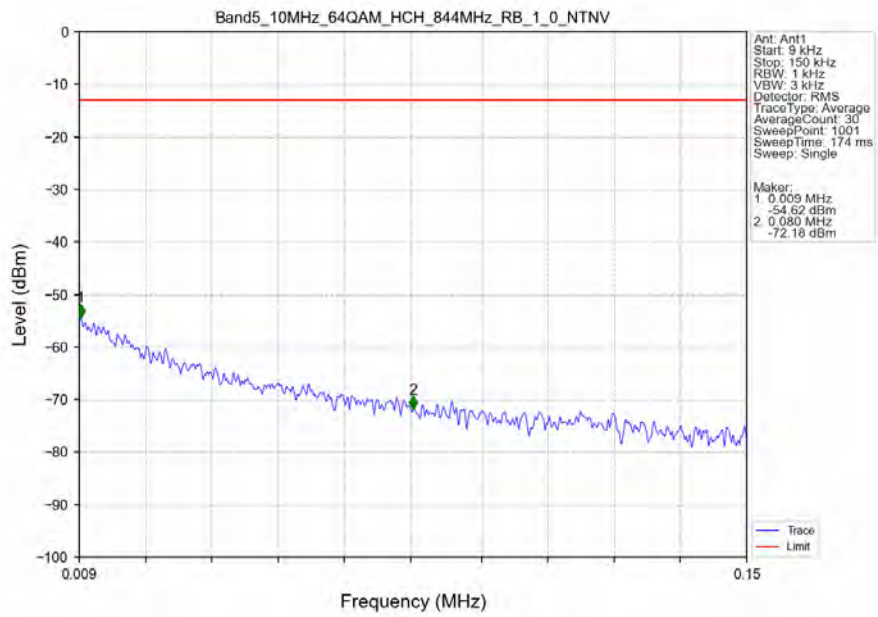
Band5_10MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



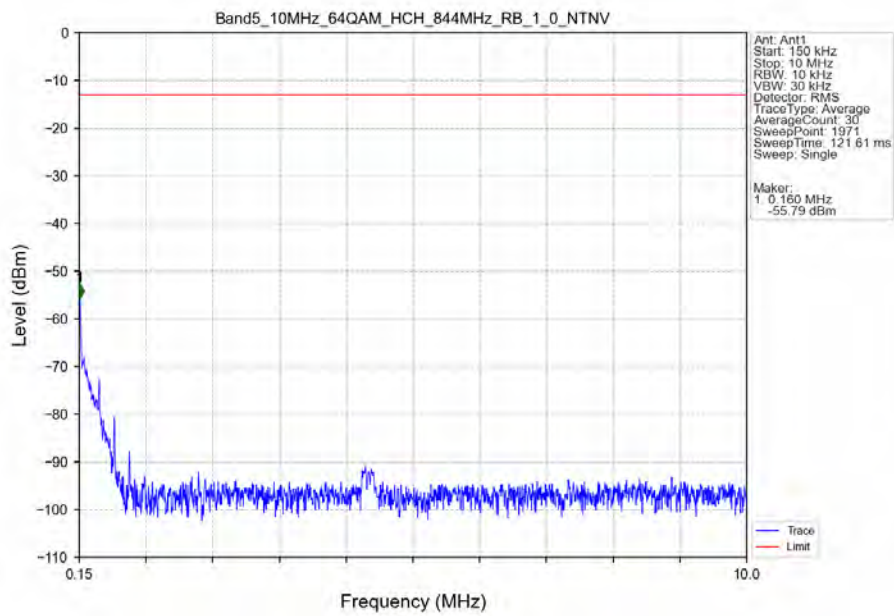
Band5_10MHz_64QAM_MCH_836.5MHz_RB_1_0_NTNV



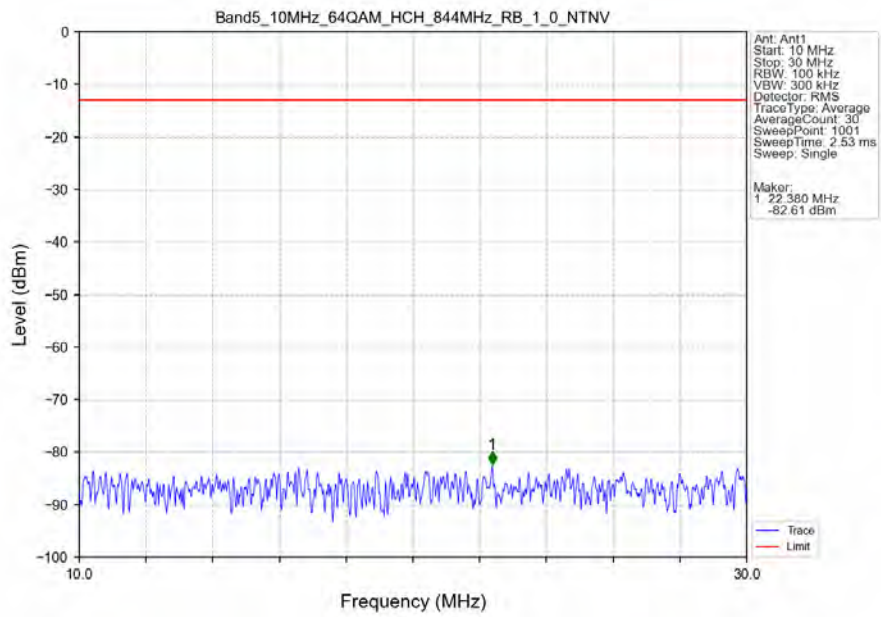
Band5_10MHz_64QAM_HCH_844MHz_RB_1_0_NTNV



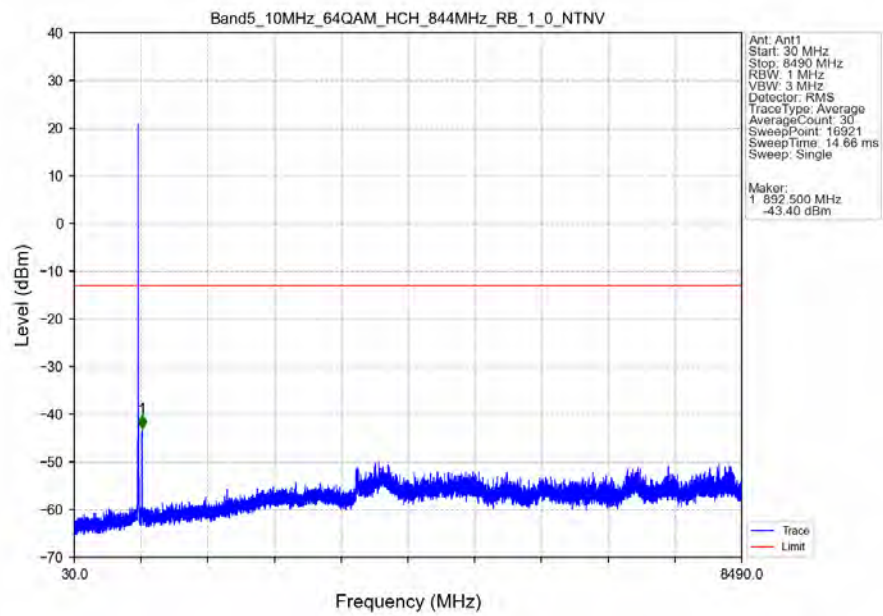
Band5_10MHz_64QAM_HCH_844MHz_RB_1_0_NTNV



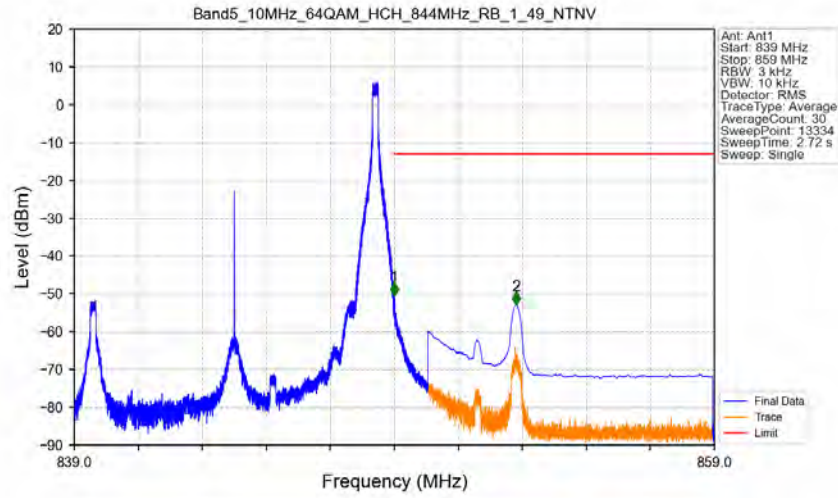
Band5_10MHz_64QAM_HCH_844MHz_RB_1_0_NTNV



Band5_10MHz_64QAM_HCH_844MHz_RB_1_0_NTNV

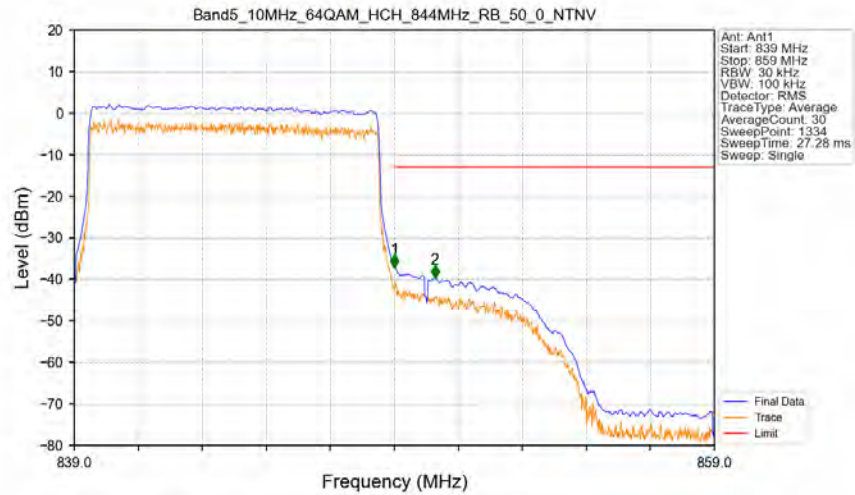


Band5 10MHz 64QAM HCH 844MHz RB 1 49_NTNV



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	849.001	-50.53	-13	Pass
850	859	0.1	CHP	2	852.815	-52.82	-13	Pass

Band5 10MHz 64QAM HCH 844MHz RB 50 0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
839	849	0.099	CHP	/	/	/	/	/
849	850	0.099	CHP	1	849.008	-37.12	-13	Pass
850	859	0.1	CHP	2	850.268	-39.70	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 5-Low channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649.0	-69.74	-13	-56.74	-72.62	2.62	5.5	Horizontal	Pass
2473.5	-69.77	-13	-56.77	-72.47	3.06	5.76	Horizontal	Pass
3298.0	-67.48	-13	-54.48	-71.84	3.3	7.66	Horizontal	Pass
1649.0	-70.98	-13	-57.98	-73.86	2.62	5.5	Vertical	Pass
2473.5	-69.47	-13	-56.47	-72.17	3.06	5.76	Vertical	Pass
3298.0	-67.73	-13	-54.73	-72.09	3.3	7.66	Vertical	Pass

LTE Band 5-Middle channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1664.0	-71.18	-13	-58.18	-74.02	2.63	5.47	Horizontal	Pass
2496.0	-64.25	-13	-51.25	-66.98	3.08	5.81	Horizontal	Pass
3328.0	-67.11	-13	-54.11	-71.54	3.31	7.74	Horizontal	Pass
1664.0	-71.69	-13	-58.69	-74.53	2.63	5.47	Vertical	Pass
2496.0	-68.53	-13	-55.53	-71.26	3.08	5.81	Vertical	Pass
3328.0	-66.86	-13	-53.86	-71.29	3.31	7.74	Vertical	Pass

LTE Band 5-High channel								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679.0	-72.01	-13	-59.01	-74.81	2.63	5.43	Horizontal	Pass
2518.5	-69.3	-13	-56.3	-72.08	3.08	5.86	Horizontal	Pass
3358.0	-67.3	-13	-54.3	-71.79	3.33	7.82	Horizontal	Pass
1679.0	-72.32	-13	-59.32	-75.12	2.63	5.43	Vertical	Pass
2518.5	-69.35	-13	-56.35	-72.13	3.08	5.86	Vertical	Pass
3358.0	-67.26	-13	-54.26	-71.75	3.33	7.82	Vertical	Pass