

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B26c_15MHz_ERP

Band: 26c / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	821.5	1	0	23.69	3.00	24.54	<=38.45	Pass
			38	23.70	3.00	24.55	<=38.45	Pass
			74	23.79	3.00	24.64	<=38.45	Pass
		36	0	22.76	3.00	23.61	<=38.45	Pass
			18	22.88	3.00	23.73	<=38.45	Pass
			39	22.82	3.00	23.67	<=38.45	Pass
		75	0	22.77	3.00	23.62	<=38.45	Pass
	831.5	1	0	23.69	3.00	24.54	<=38.45	Pass
			38	23.71	3.00	24.56	<=38.45	Pass
			74	23.61	3.00	24.46	<=38.45	Pass
		36	0	22.80	3.00	23.65	<=38.45	Pass
			18	22.80	3.00	23.65	<=38.45	Pass
			39	22.69	3.00	23.54	<=38.45	Pass
	75	0	22.75	3.00	23.60	<=38.45	Pass	
	841.5	1	0	23.81	3.00	24.66	<=38.45	Pass
			38	23.74	3.00	24.59	<=38.45	Pass
			74	23.61	3.00	24.46	<=38.45	Pass
		36	0	22.80	3.00	23.65	<=38.45	Pass
			18	22.75	3.00	23.60	<=38.45	Pass
			39	22.77	3.00	23.62	<=38.45	Pass
		75	0	22.77	3.00	23.62	<=38.45	Pass
16QAM	821.5	1	0	23.15	3.00	24.00	<=38.45	Pass
			38	23.00	3.00	23.85	<=38.45	Pass
			74	22.68	3.00	23.53	<=38.45	Pass
		36	0	21.73	3.00	22.58	<=38.45	Pass
			18	21.77	3.00	22.62	<=38.45	Pass
			39	21.75	3.00	22.60	<=38.45	Pass
		75	0	21.68	3.00	22.53	<=38.45	Pass
	831.5	1	0	22.90	3.00	23.75	<=38.45	Pass
			38	23.17	3.00	24.02	<=38.45	Pass
			74	22.88	3.00	23.73	<=38.45	Pass
		36	0	21.77	3.00	22.62	<=38.45	Pass
			18	21.94	3.00	22.79	<=38.45	Pass
			39	21.83	3.00	22.68	<=38.45	Pass
	75	0	21.89	3.00	22.74	<=38.45	Pass	
	841.5	1	0	23.13	3.00	23.98	<=38.45	Pass
			38	23.10	3.00	23.95	<=38.45	Pass
			74	22.89	3.00	23.74	<=38.45	Pass
		36	0	21.78	3.00	22.63	<=38.45	Pass
			18	21.75	3.00	22.60	<=38.45	Pass
			39	21.70	3.00	22.55	<=38.45	Pass
		75	0	21.68	3.00	22.53	<=38.45	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B26c_15MHz

Band: 26c / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	821.5	75	0	20	3.27	-0.047	-0.0001	-2.5 to 2.5	Pass
					3.85	-2.013	-0.0025	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.340	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-5.404	-0.0066	-2.5 to 2.5	Pass
				-10	3.85	1.928	0.0023	-2.5 to 2.5	Pass
				0	3.85	-0.209	-0.0003	-2.5 to 2.5	Pass
				10	3.85	1.257	0.0015	-2.5 to 2.5	Pass
				30	3.85	-1.004	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.189	-0.0002	-2.5 to 2.5	Pass
				50	3.85	1.111	0.0014	-2.5 to 2.5	Pass
	831.5	75	0	20	3.27	7.001	0.0084	-2.5 to 2.5	Pass
					3.85	6.599	0.0079	-2.5 to 2.5	Pass
					4.43	1.516	0.0018	-2.5 to 2.5	Pass
				-30	3.85	5.808	0.0070	-2.5 to 2.5	Pass
				-20	3.85	6.929	0.0083	-2.5 to 2.5	Pass
				-10	3.85	5.099	0.0061	-2.5 to 2.5	Pass
				0	3.85	0.925	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.247	0.0039	-2.5 to 2.5	Pass
				30	3.85	6.369	0.0077	-2.5 to 2.5	Pass
				40	3.85	2.921	0.0035	-2.5 to 2.5	Pass
				50	3.85	1.755	0.0021	-2.5 to 2.5	Pass
	841.5	75	0	20	3.27	0.068	0.0001	-2.5 to 2.5	Pass
					3.85	0.508	0.0006	-2.5 to 2.5	Pass
					4.43	-1.169	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-0.971	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	0.409	0.0005	-2.5 to 2.5	Pass
				-10	3.85	2.413	0.0029	-2.5 to 2.5	Pass
				0	3.85	-1.180	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.920	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-2.905	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.684	-0.0032	-2.5 to 2.5	Pass
				50	3.85	3.085	0.0037	-2.5 to 2.5	Pass
16QAM	821.5	75	0	20	3.27	-0.774	-0.0009	-2.5 to 2.5	Pass
					3.85	-1.207	-0.0015	-2.5 to 2.5	Pass
					4.43	-0.912	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-7.211	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-4.713	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-1.229	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.891	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-5.453	-0.0066	-2.5 to 2.5	Pass
				30	3.85	-6.686	-0.0081	-2.5 to 2.5	Pass
				40	3.85	-4.100	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-3.583	-0.0044	-2.5 to 2.5	Pass
	831.5	75	0	20	3.27	2.600	0.0031	-2.5 to 2.5	Pass
					3.85	5.869	0.0071	-2.5 to 2.5	Pass
					4.43	6.555	0.0079	-2.5 to 2.5	Pass
				-30	3.85	3.048	0.0037	-2.5 to 2.5	Pass
				-20	3.85	6.480	0.0078	-2.5 to 2.5	Pass

				-10	3.85	5.977	0.0072	-2.5 to 2.5	Pass
				0	3.85	3.512	0.0042	-2.5 to 2.5	Pass
				10	3.85	5.116	0.0062	-2.5 to 2.5	Pass
				30	3.85	7.055	0.0085	-2.5 to 2.5	Pass
				40	3.85	6.295	0.0076	-2.5 to 2.5	Pass
				50	3.85	6.939	0.0083	-2.5 to 2.5	Pass
	841.5	75	0	20	3.27	1.219	0.0014	-2.5 to 2.5	Pass
					3.85	3.397	0.0040	-2.5 to 2.5	Pass
					4.43	-1.659	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.482	0.0018	-2.5 to 2.5	Pass
				-20	3.85	1.151	0.0014	-2.5 to 2.5	Pass
				-10	3.85	3.531	0.0042	-2.5 to 2.5	Pass
				0	3.85	-2.125	-0.0025	-2.5 to 2.5	Pass
				10	3.85	2.573	0.0031	-2.5 to 2.5	Pass
				30	3.85	1.725	0.0020	-2.5 to 2.5	Pass
				40	3.85	2.457	0.0029	-2.5 to 2.5	Pass
				50	3.85	4.207	0.0050	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band26c_OBW

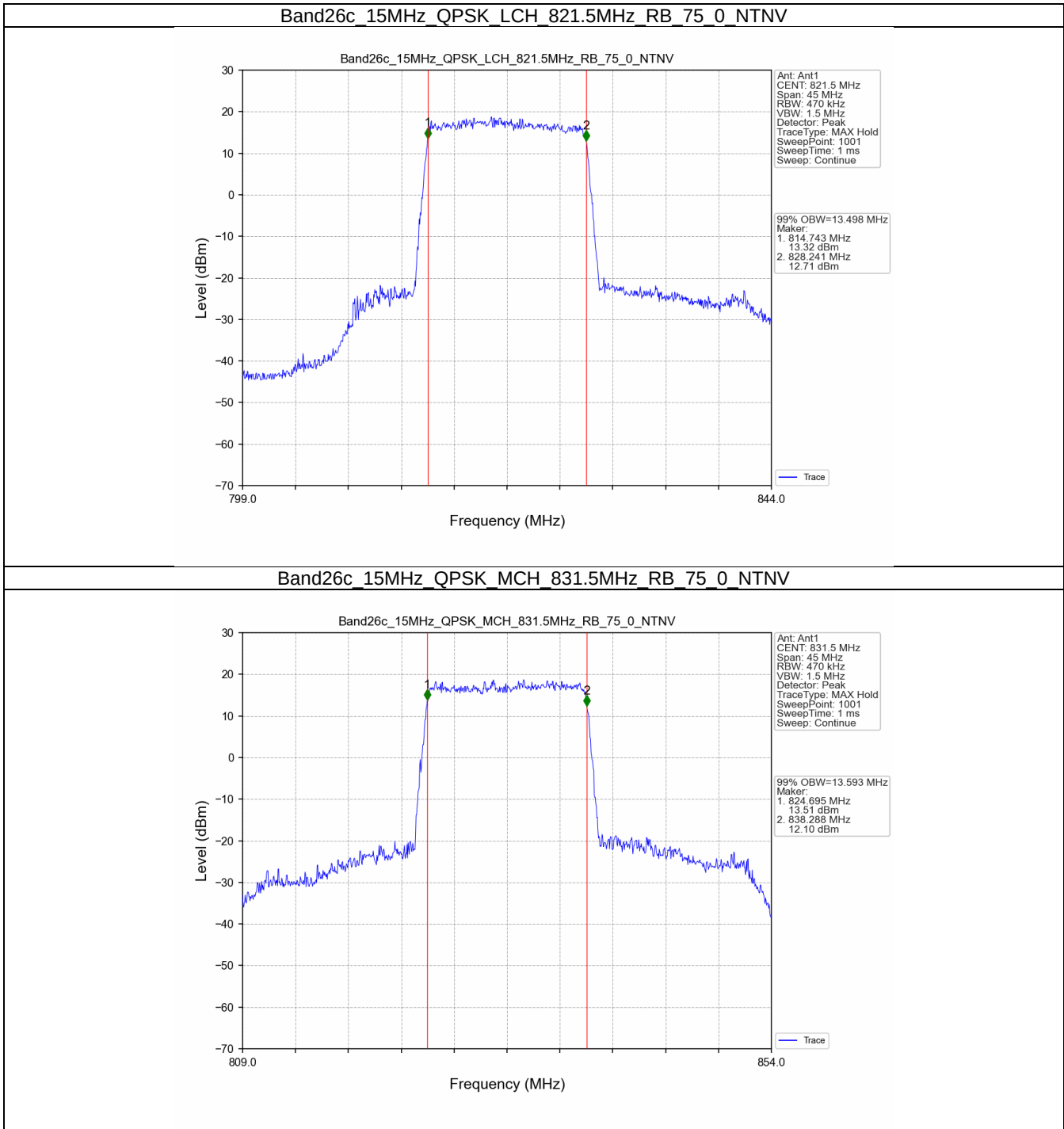
Band: 26c / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
15	QPSK	821.5	75	0	13.498	/	Pass
		831.5	75	0	13.593	/	Pass
		841.5	75	0	13.531	/	Pass
	16QAM	821.5	75	0	13.576	/	Pass
		831.5	75	0	13.577	/	Pass
		841.5	75	0	13.543	/	Pass

3.1.2 Band26c_XDB

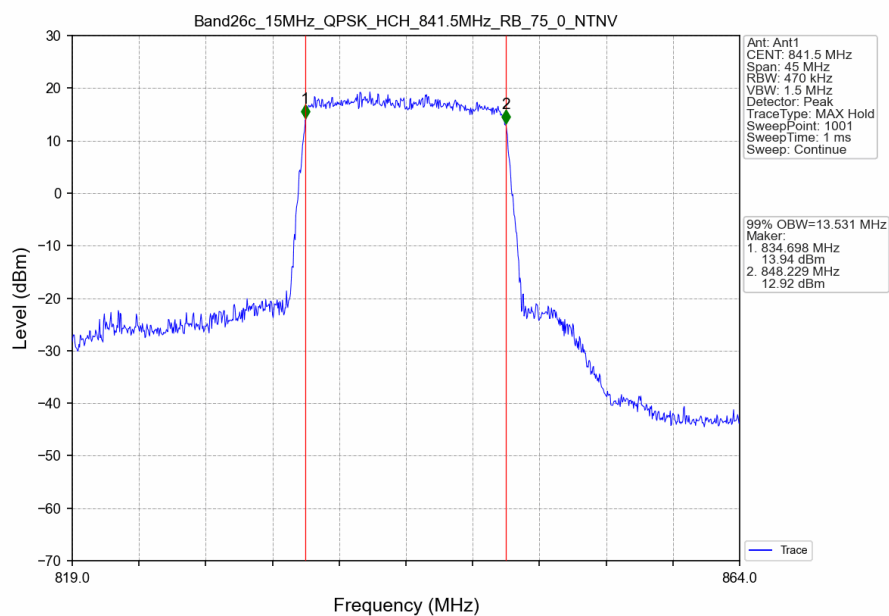
Band: 26c / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
15	QPSK	821.5	75	0	14.891	/	Pass
		831.5	75	0	14.905	/	Pass
		841.5	75	0	14.859	/	Pass
	16QAM	821.5	75	0	14.847	/	Pass
		831.5	75	0	14.945	/	Pass
		841.5	75	0	14.860	/	Pass

3.2 Test Graph

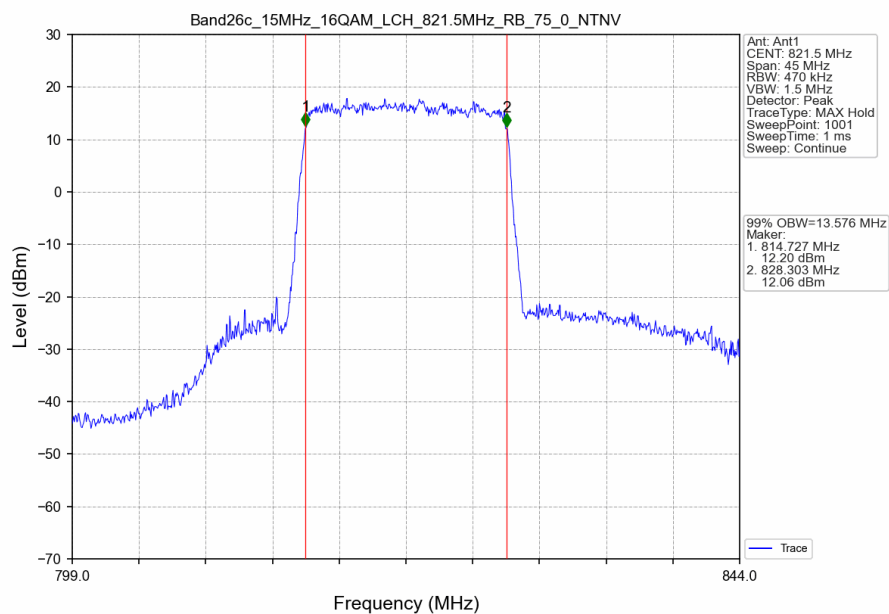
3.2.1 Band26c_OBW



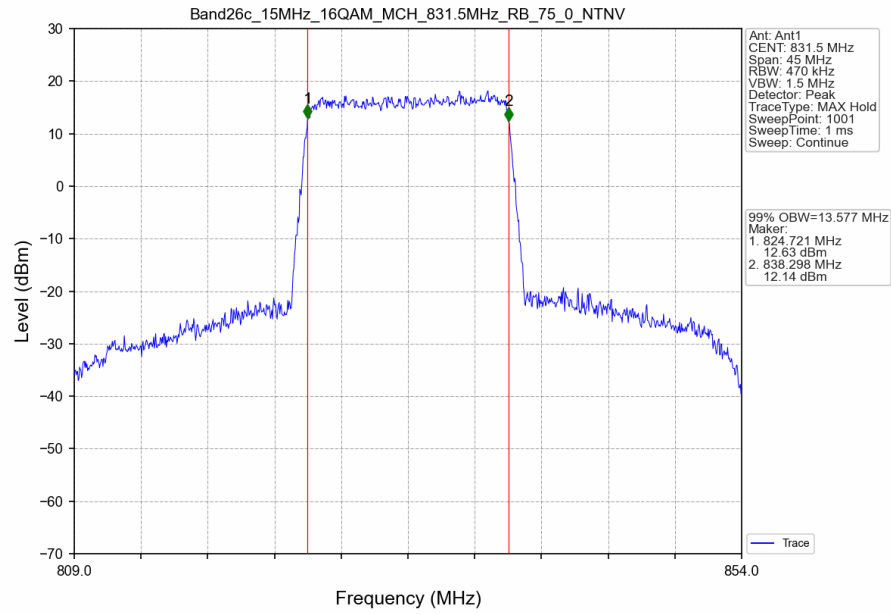
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



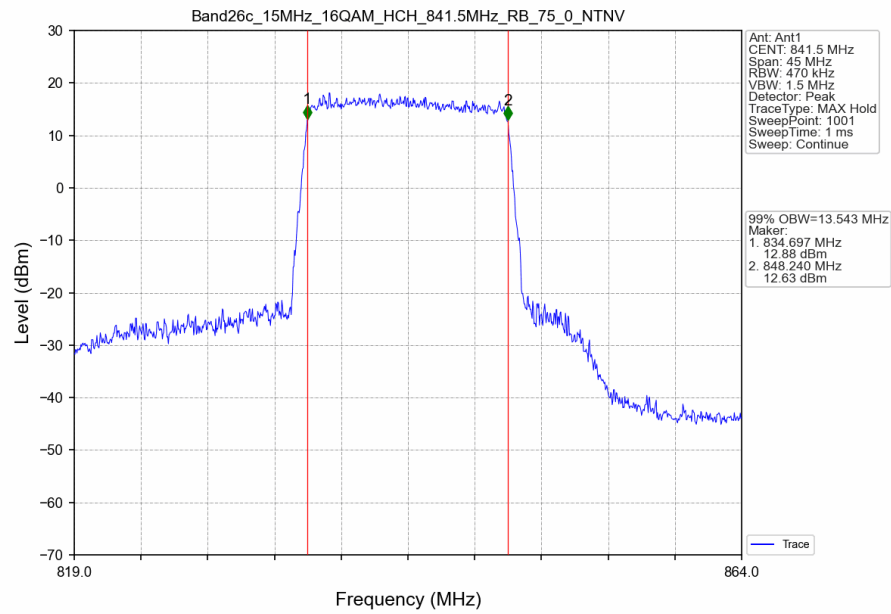
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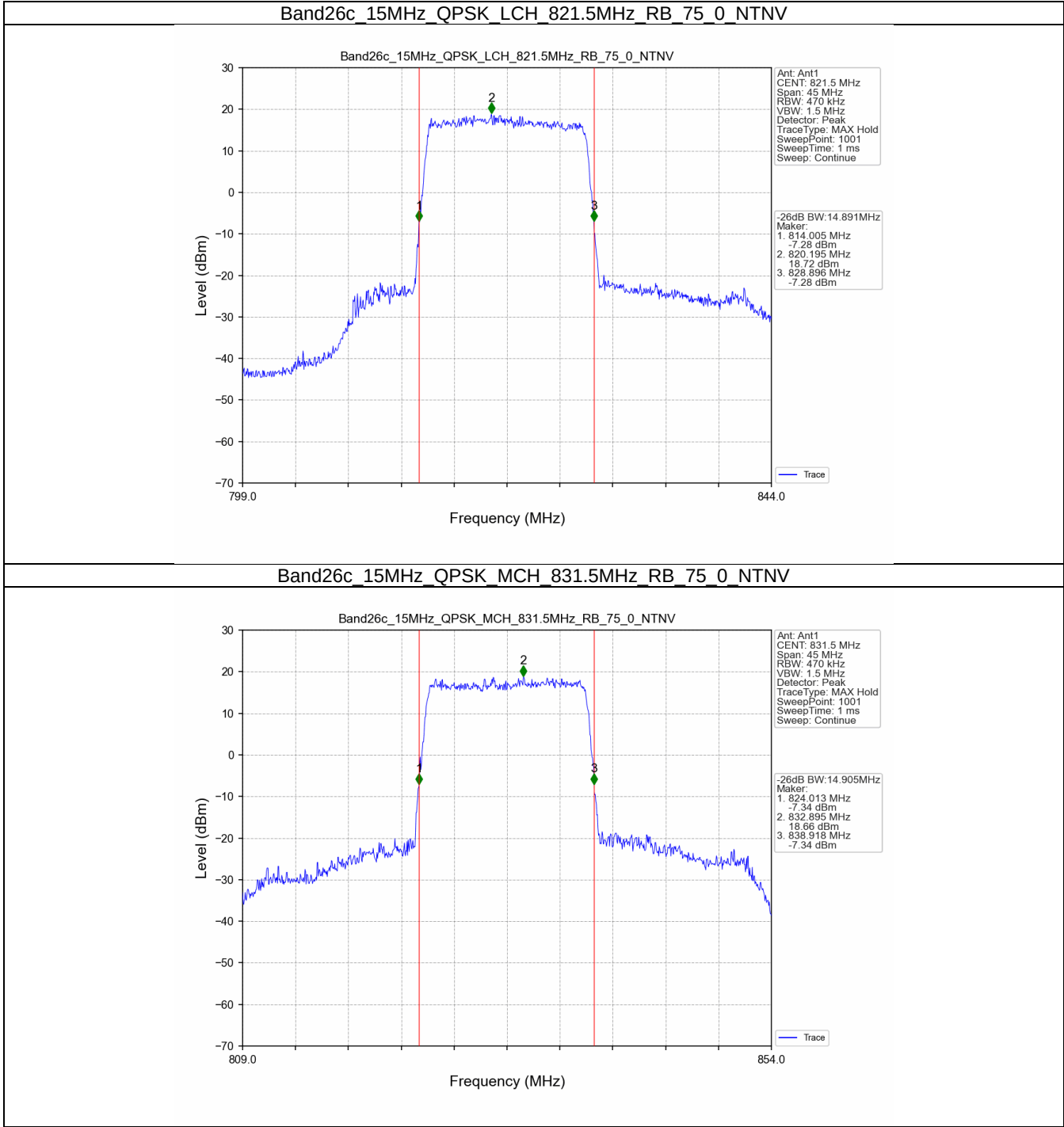
Band26c 15MHz 16QAM MCH 831.5MHz RB 75 0 NTV



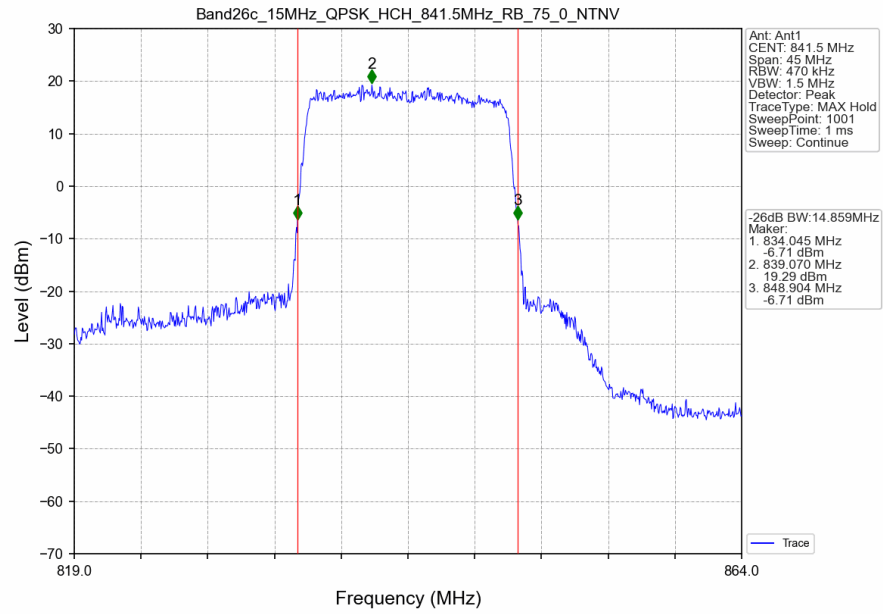
Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTV



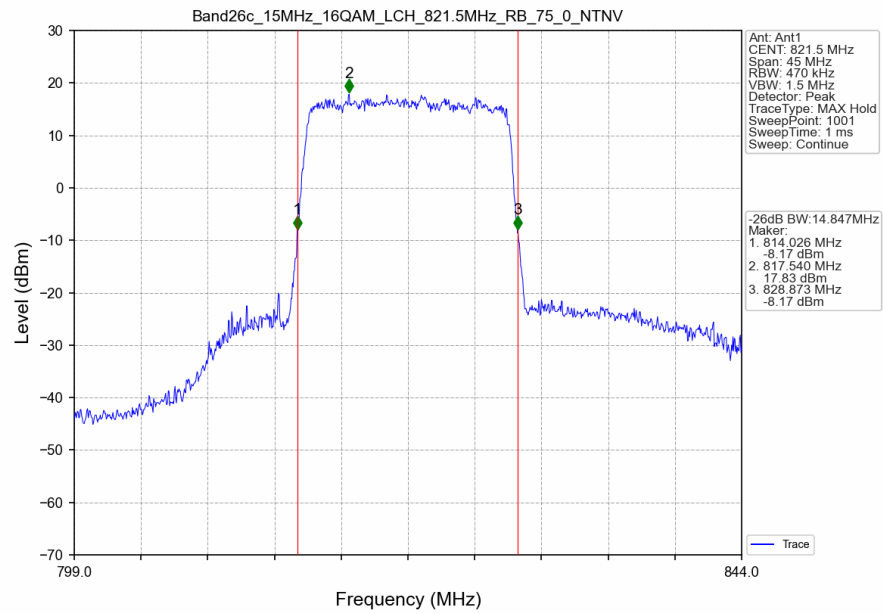
3.2.2 Band26c_XDB



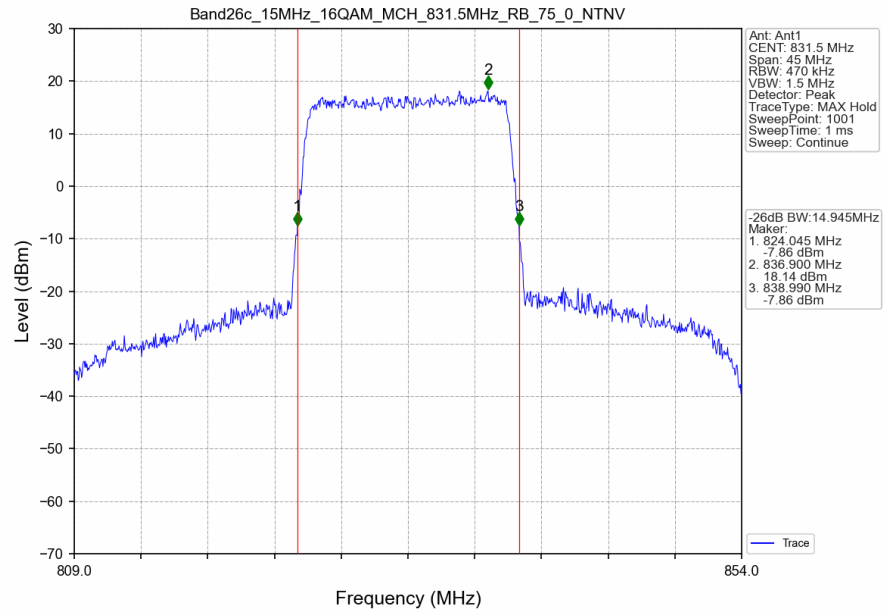
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



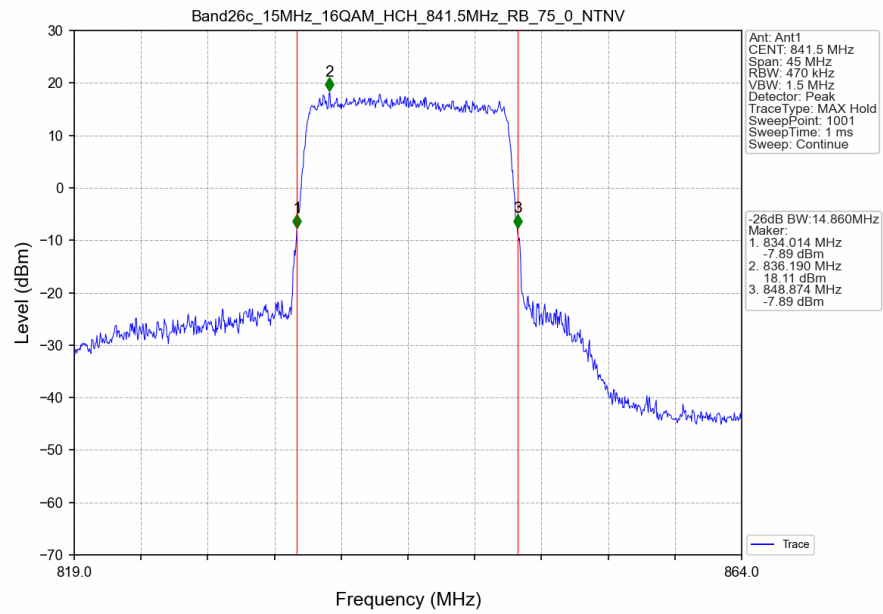
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



Band26c 15MHz 16QAM MCH 831.5MHz RB 75 0 NTV



Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTV



4. Peak-Average Ratio

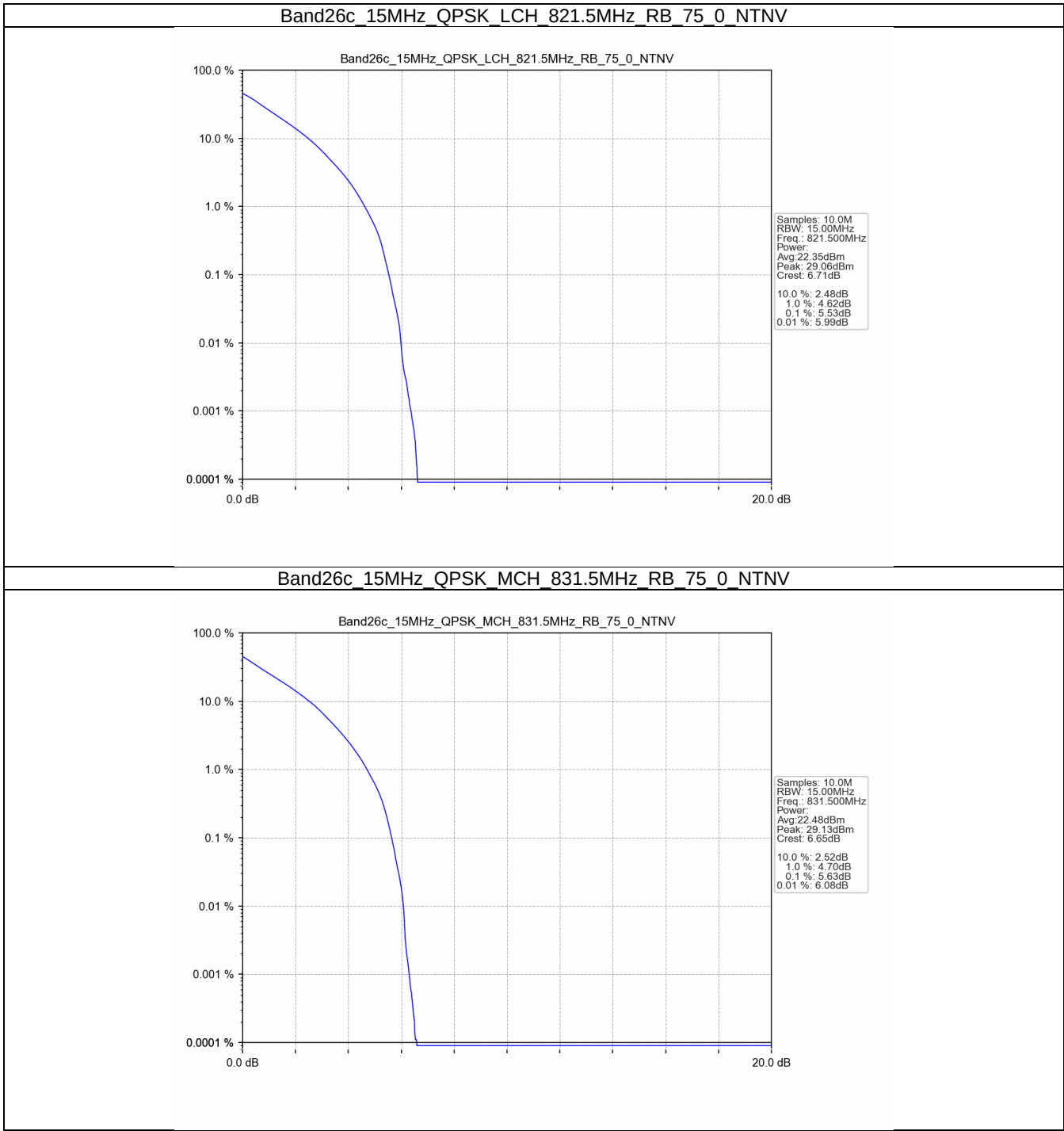
4.1 Test Result

4.1.1 B26c_15MHz

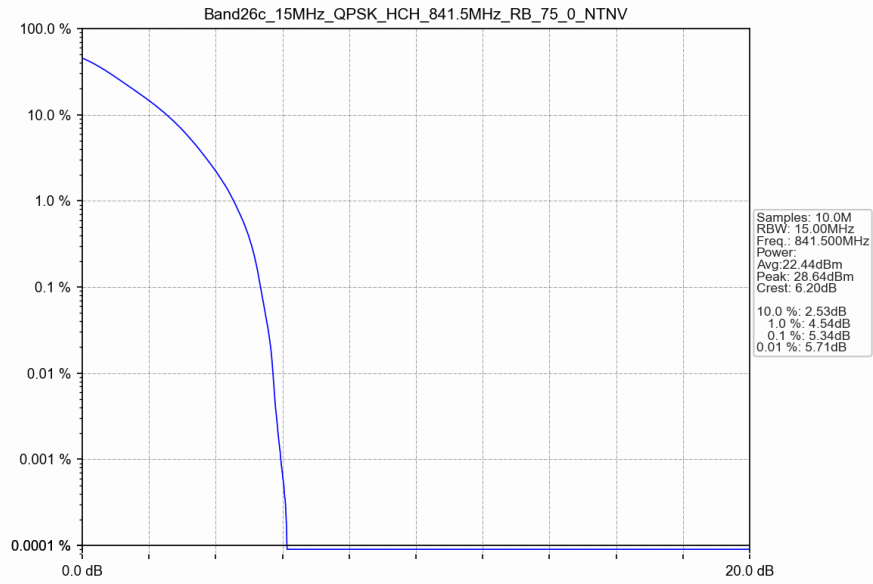
Band: 26c / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	821.5	75	0	5.53	<=13	Pass
	831.5	75	0	5.63	<=13	Pass
	841.5	75	0	5.34	<=13	Pass
16QAM	821.5	75	0	6.25	<=13	Pass
	831.5	75	0	6.36	<=13	Pass
	841.5	75	0	6.09	<=13	Pass

4.2 Test Graph

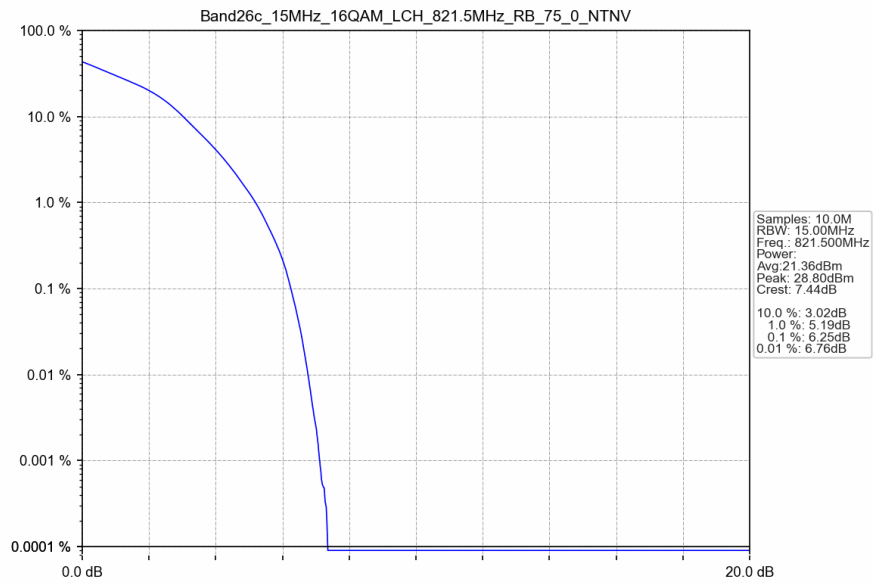
4.2.1 B26c_15MHz



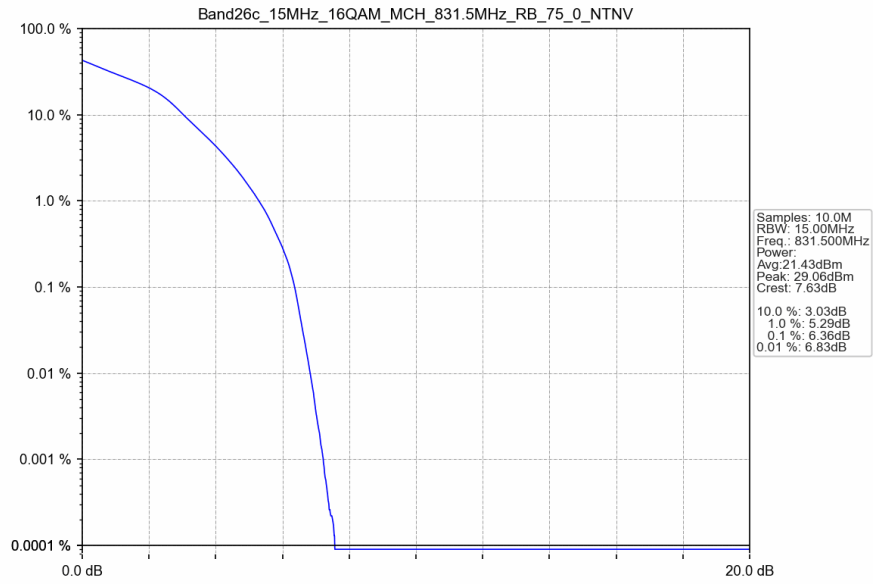
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



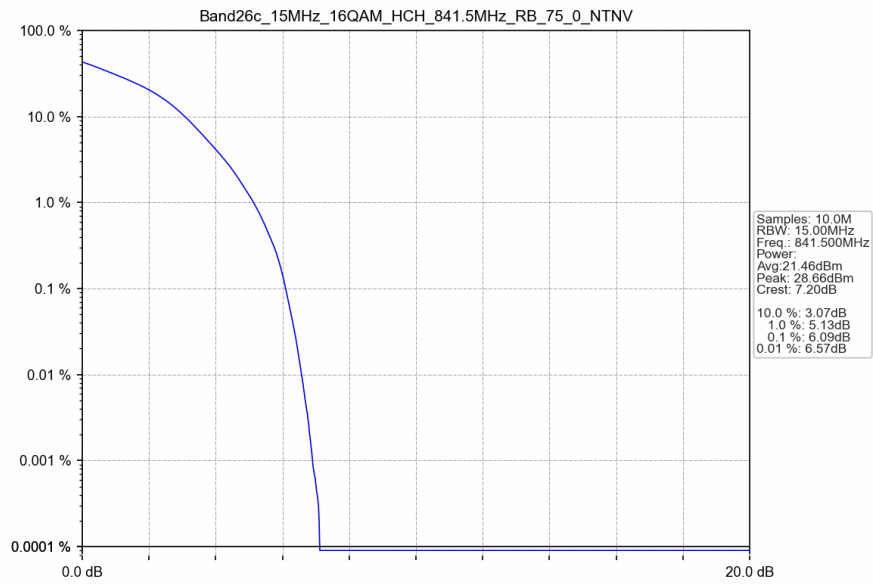
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



Band26c 15MHz 16QAM MCH 831.5MHz RB 75 0 NTN



Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTN



5. Spurious Emission

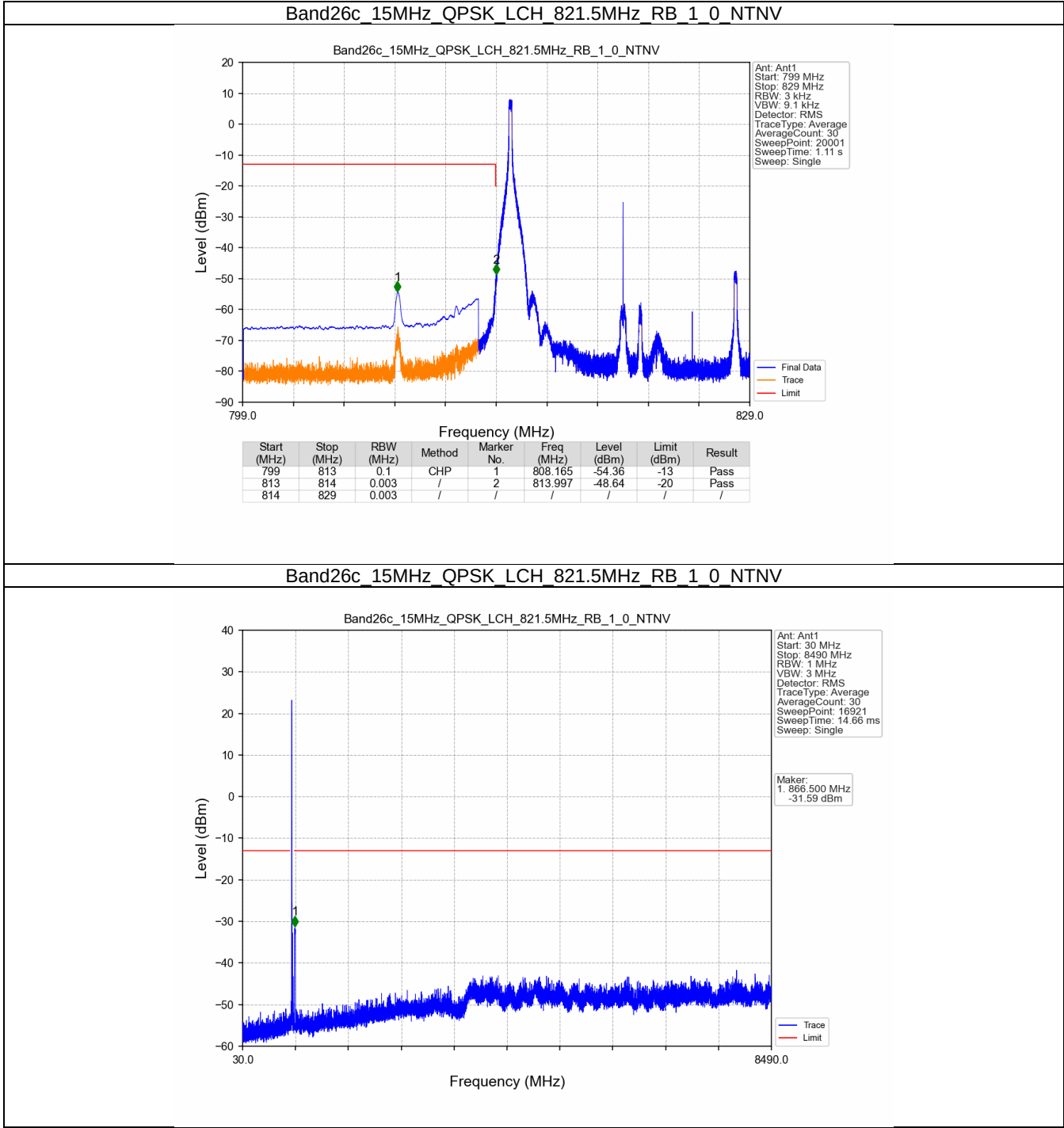
5.1 Test Result

5.1.1 B26c_15MHz

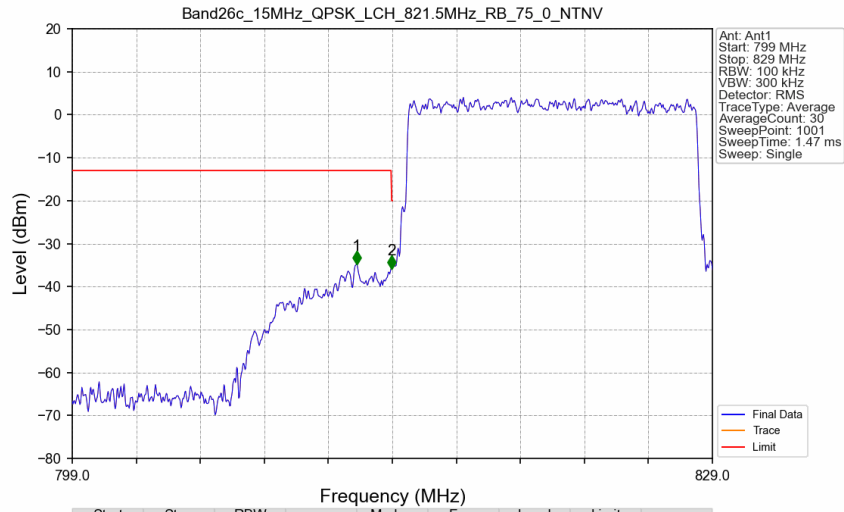
Band: 26c / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	821.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	831.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
16QAM	821.5	1	0	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass
	831.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

5.2 Test Graph

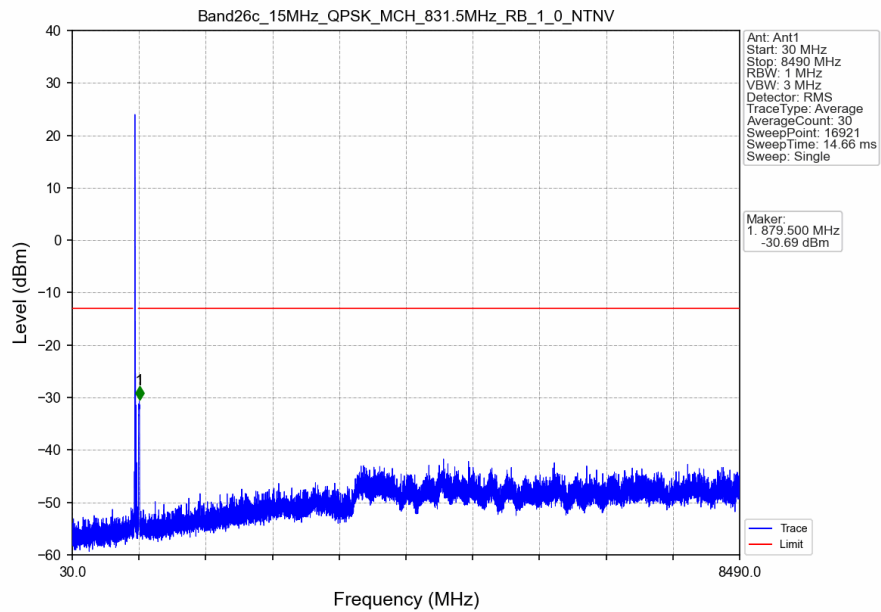
5.2.1 B26c_15MHz



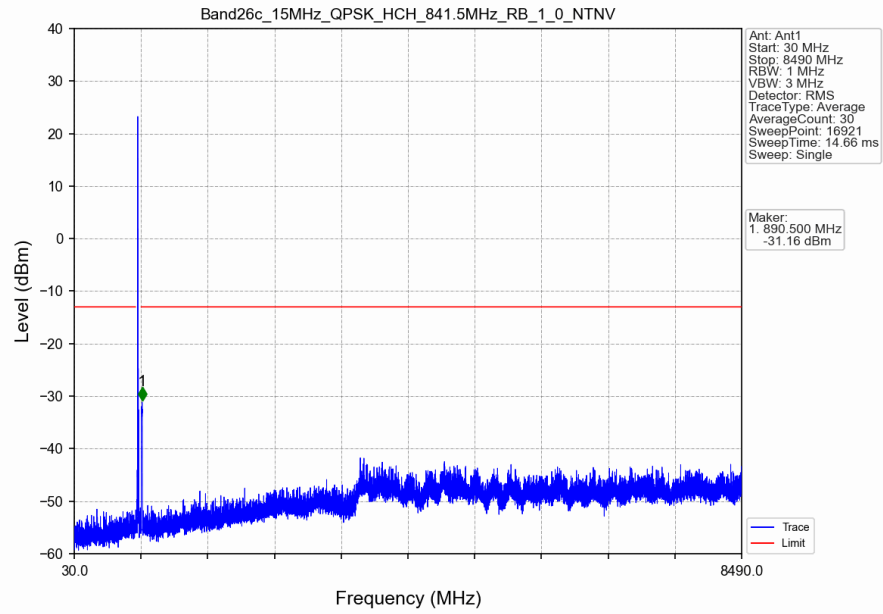
Band26c_15MHz_QPSK_LCH_821.5MHz_RB_75_0_NTNV



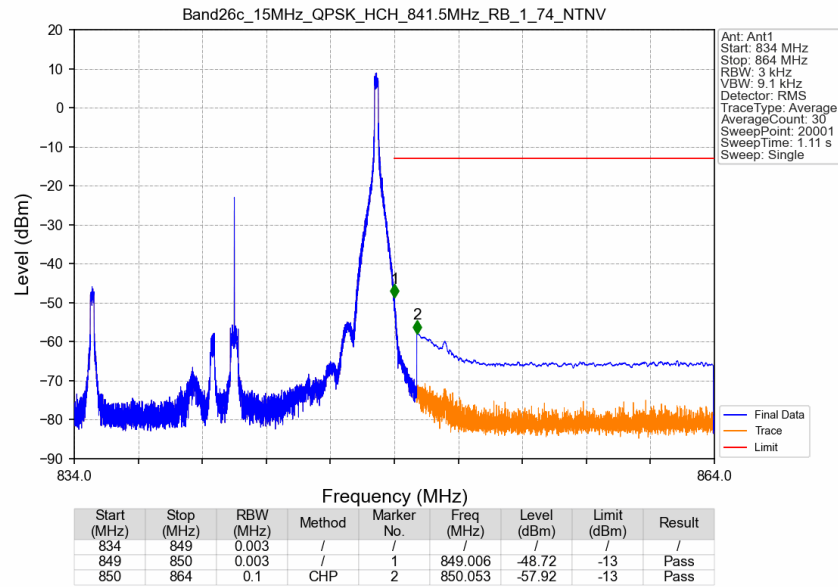
Band26c_15MHz_QPSK_MCH_831.5MHz_RB_1_0_NTNV



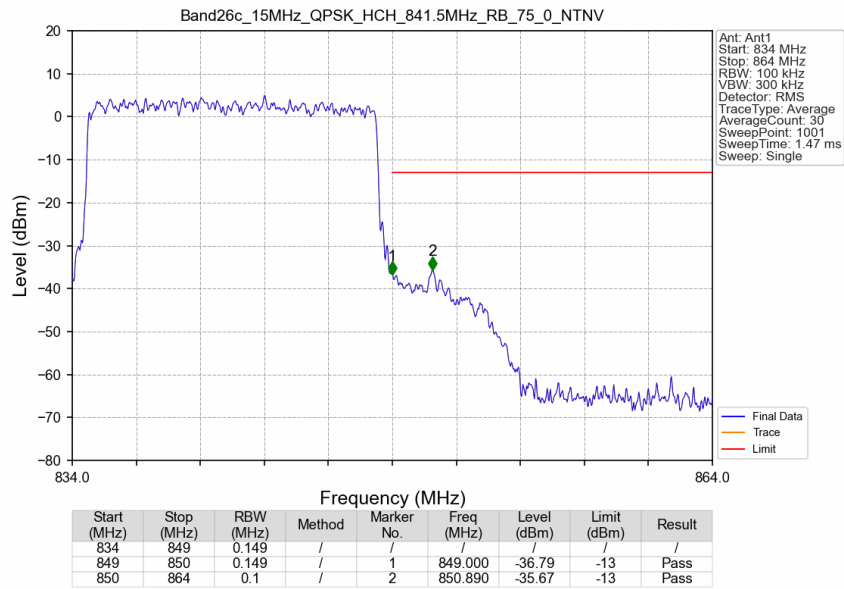
Band26c 15MHz QPSK HCH 841.5MHz RB 1 0 NTN



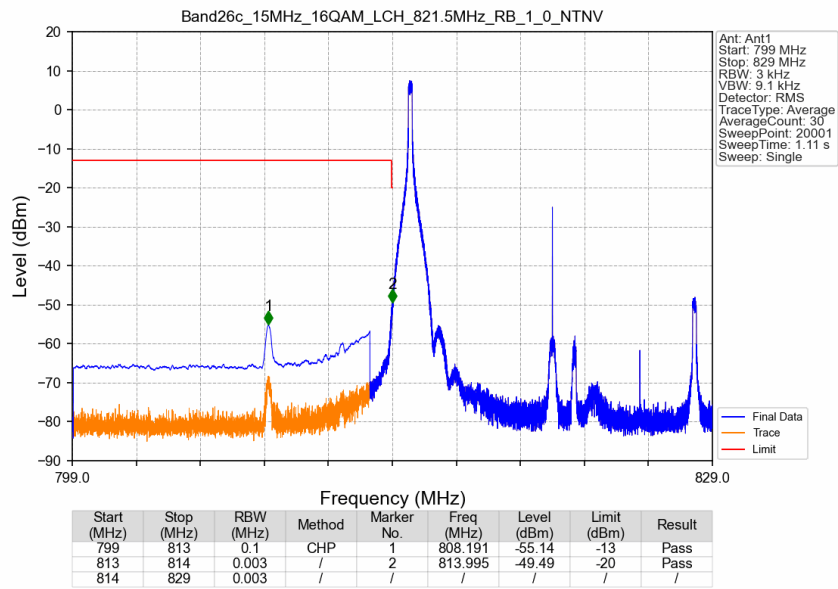
Band26c 15MHz QPSK HCH 841.5MHz RB 1 74 NTN



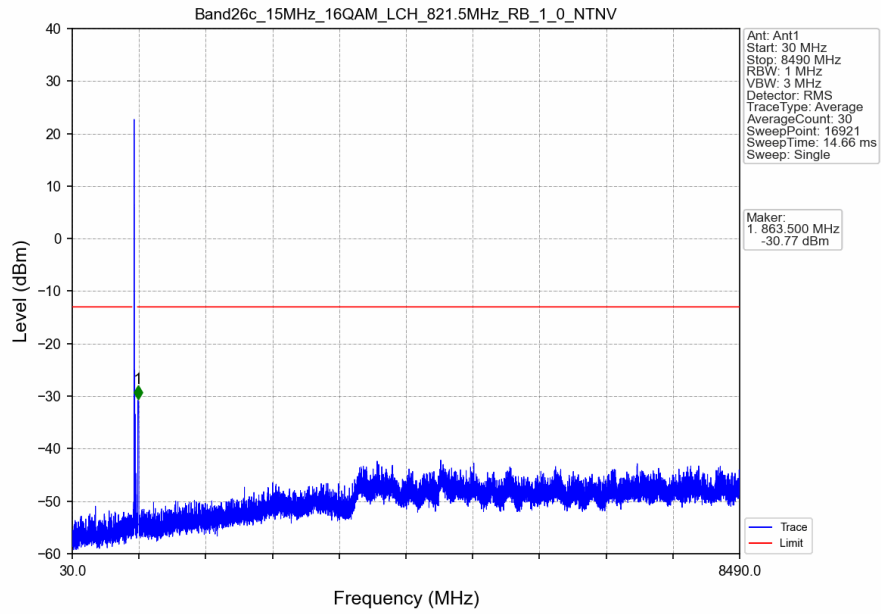
Band26c_15MHz_QPSK_HCH_841.5MHz_RB_75_0_NTNV



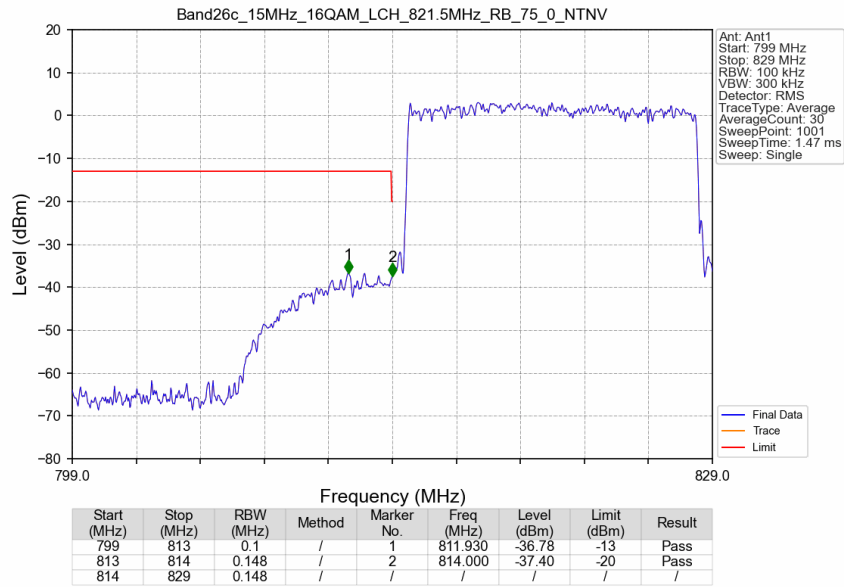
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_1_0_NTNV



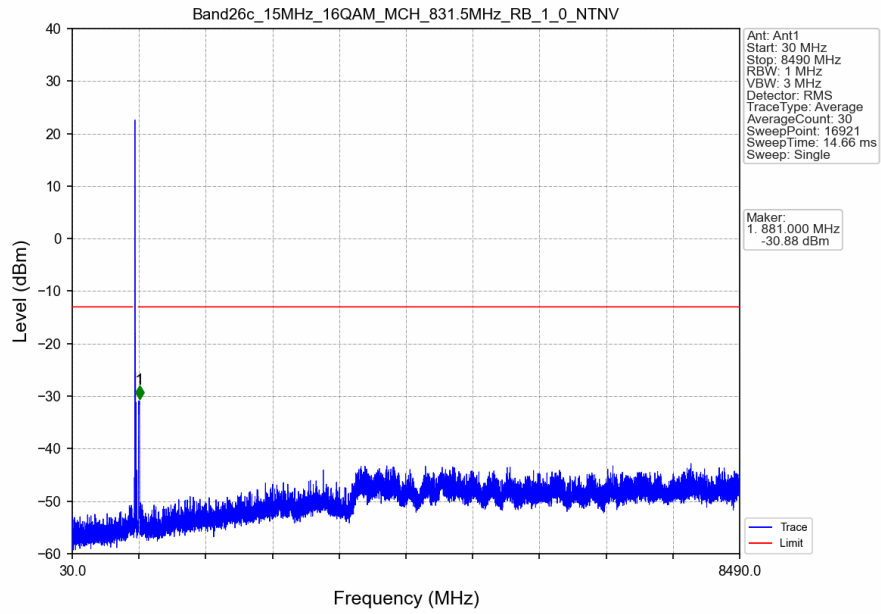
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_1_0_NTNV



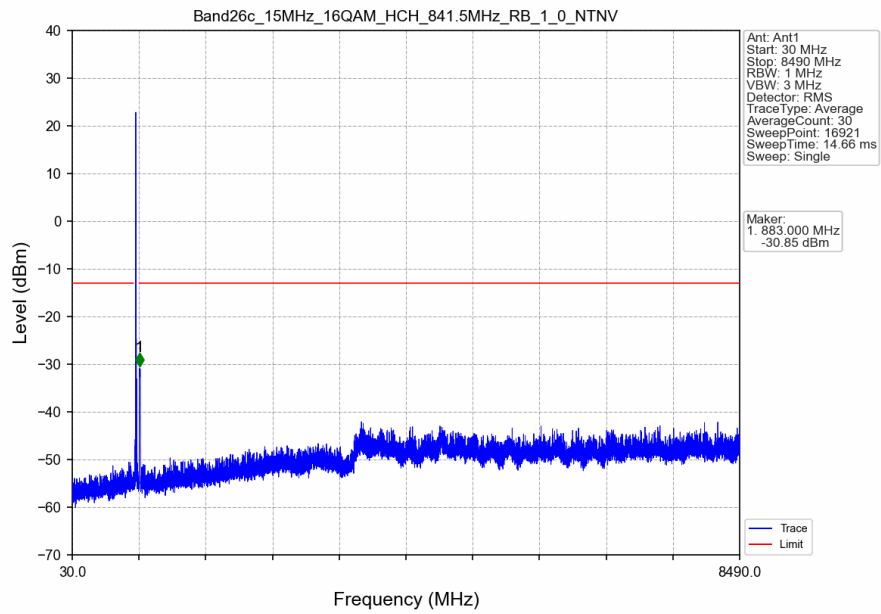
Band26c_15MHz_16QAM_LCH_821.5MHz_RB_75_0_NTNV



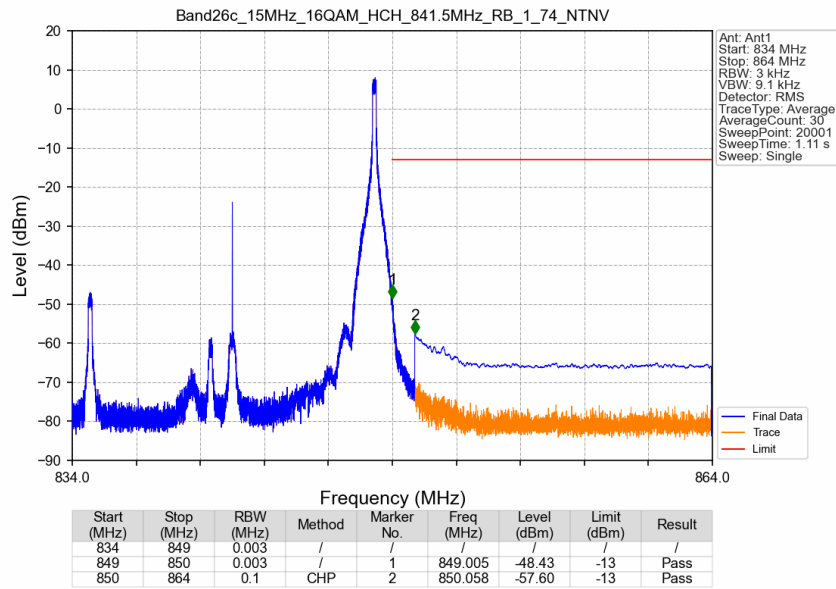
Band26c_15MHz_16QAM_MCH_831.5MHz_RB_1_0_NTNV



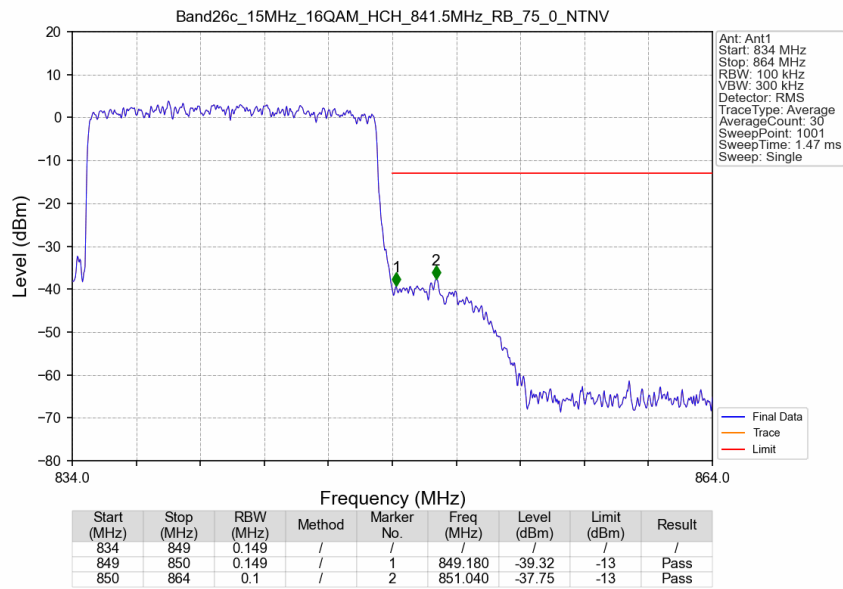
Band26c_15MHz_16QAM_HCH_841.5MHz_RB_1_0_NTNV



Band26c 15MHz 16QAM HCH 841.5MHz RB 1 74 NTN



Band26c 15MHz 16QAM HCH 841.5MHz RB 75 0 NTN



6. Field Strength of Spurious Radiation

LTE Band 26-Low channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1649.0	-68.06	-13	-55.06	-71.46	2.1	5.5	Horizontal	Pass
2473.5	-61.69	-13	-48.69	-64.81	2.64	5.76	Horizontal	Pass
3298.0	-61.42	-13	-48.42	-65.92	3.16	7.66	Horizontal	Pass
1649.0	-66.87	-13	-53.87	-70.27	2.1	5.5	Vertical	Pass
2473.5	-63.0	-13	-50.0	-66.12	2.64	5.76	Vertical	Pass
3298.0	-61.01	-13	-48.01	-65.51	3.16	7.66	Vertical	Pass

LTE Band 26-Middle channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1664.0	-68.53	-13	-55.53	-71.89	2.11	5.47	Horizontal	Pass
2496.0	-62.41	-13	-49.41	-65.56	2.66	5.81	Horizontal	Pass
3328.0	-61.21	-13	-48.21	-65.77	3.18	7.74	Horizontal	Pass
1664.0	-67.74	-13	-54.74	-71.1	2.11	5.47	Vertical	Pass
2496.0	-62.33	-13	-49.33	-65.48	2.66	5.81	Vertical	Pass
3328.0	-60.64	-13	-47.64	-65.2	3.18	7.74	Vertical	Pass

LTE Band 26-High channel, Modulation: QPSK, Bandwidth:10MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
1679.0	-67.55	-13	-54.55	-70.85	2.13	5.43	Horizontal	Pass
2518.5	-62.49	-13	-49.49	-65.68	2.67	5.86	Horizontal	Pass
3358.0	-60.64	-13	-47.64	-65.26	3.2	7.82	Horizontal	Pass
1679.0	-67.72	-13	-54.72	-71.02	2.13	5.43	Vertical	Pass
2518.5	-61.78	-13	-48.78	-64.97	2.67	5.86	Vertical	Pass
3358.0	-60.45	-13	-47.45	-65.07	3.2	7.82	Vertical	Pass