

1. Effective (Isotropic) Radiated Power Output Data

1.1 B40b_5MHz_EIRP

1.1.1 Test Result

Band: 40b / Bandwidth: 5MHz / NTVN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2352.5	1	0	21.87	2.02	23.89	<=23.98	Pass
			13	21.95	2.02	23.97	<=23.98	Pass
			24	21.83	2.02	23.80	<=23.98	Pass
		12	0	20.96	2.02	22.98	<=23.98	Pass
			6	20.92	2.02	22.94	<=23.98	Pass
			13	21.13	2.02	23.15	<=23.98	Pass
		25	0	20.91	2.02	22.93	<=23.98	Pass
	2355	1	0	21.87	2.02	23.89	<=23.98	Pass
			13	21.86	2.02	23.88	<=23.98	Pass
			24	21.87	2.02	23.89	<=23.98	Pass
		12	0	20.92	2.02	22.94	<=23.98	Pass
			6	21.26	2.02	23.28	<=23.98	Pass
			13	21.44	2.02	23.46	<=23.98	Pass
	25	0	21.20	2.02	23.22	<=23.98	Pass	
	2357.5	1	0	21.90	2.02	23.92	<=23.98	Pass
			13	21.95	2.02	23.97	<=23.98	Pass
			24	21.72	2.02	23.74	<=23.98	Pass
		12	0	20.87	2.02	22.89	<=23.98	Pass
			6	21.22	2.02	23.24	<=23.98	Pass
			13	21.43	2.02	23.45	<=23.98	Pass
		25	0	21.13	2.02	23.15	<=23.98	Pass
16QAM	2352.5	1	0	21.15	2.02	23.17	<=23.98	Pass
			13	21.40	2.02	23.42	<=23.98	Pass
			24	20.82	2.02	22.84	<=23.98	Pass
		12	0	19.83	2.02	21.85	<=23.98	Pass
			6	19.92	2.02	21.94	<=23.98	Pass
			13	20.29	2.02	22.31	<=23.98	Pass
		25	0	20.01	2.02	22.03	<=23.98	Pass
	2355	1	0	21.50	2.02	23.52	<=23.98	Pass
			13	21.16	2.02	23.18	<=23.98	Pass
			24	20.68	2.02	22.70	<=23.98	Pass
		12	0	20.03	2.02	22.05	<=23.98	Pass
			6	20.63	2.02	22.65	<=23.98	Pass
	25	0	20.45	2.02	22.47	<=23.98	Pass	
	2357.5	1	0	20.56	2.02	22.58	<=23.98	Pass
			13	21.55	2.02	23.57	<=23.98	Pass
			24	21.22	2.02	23.24	<=23.98	Pass
		12	0	20.06	2.02	22.08	<=23.98	Pass
			6	20.24	2.02	22.26	<=23.98	Pass
		25	0	20.38	2.02	22.40	<=23.98	Pass
	25	0	20.30	2.02	22.32	<=23.98	Pass	
	Note1: EIRP=Conducted Power+Antenna Gain							

1.2 B40b_10MHz_EIRP

1.2.1 Test Result

Band: 40b / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2355	1	0	21.73	2.02	23.75	<=23.98	Pass
			25	21.94	2.02	23.96	<=23.98	Pass
			49	21.93	2.02	23.95	<=23.98	Fail
		25	0	21.32	2.02	23.34	<=23.98	Pass
			13	21.28	2.02	23.30	<=23.98	Pass
			25	21.13	2.02	23.15	<=23.98	Pass
		50	0	21.19	2.02	23.21	<=23.98	Pass
16QAM	2355	1	0	20.80	2.02	22.82	<=23.98	Pass
			25	21.56	2.02	23.58	<=23.98	Pass
			49	21.76	2.02	23.78	<=23.98	Pass
		25	0	20.30	2.02	22.32	<=23.98	Pass
			13	20.18	2.02	22.20	<=23.98	Pass
			25	20.37	2.02	22.39	<=23.98	Pass
		50	0	20.06	2.02	22.08	<=23.98	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B40b_10MHz

2.1.1 Test Result

Band: 40b / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2355	50	0	20	3.60	-4.950	-0.0021	-2.5 to 2.5	Pass
					3.80	-3.705	-0.0016	-2.5 to 2.5	Pass
					4.35	-7.782	-0.0033	-2.5 to 2.5	Pass
				-30	3.80	-5.322	-0.0023	-2.5 to 2.5	Pass
				-20	3.80	-7.696	-0.0033	-2.5 to 2.5	Pass
				-10	3.80	-6.251	-0.0027	-2.5 to 2.5	Pass
				0	3.80	-4.377	-0.0019	-2.5 to 2.5	Pass
				10	3.80	-4.520	-0.0019	-2.5 to 2.5	Pass
				30	3.80	-6.952	-0.0030	-2.5 to 2.5	Pass
				40	3.80	-5.722	-0.0024	-2.5 to 2.5	Pass
				50	3.80	-5.665	-0.0024	-2.5 to 2.5	Pass

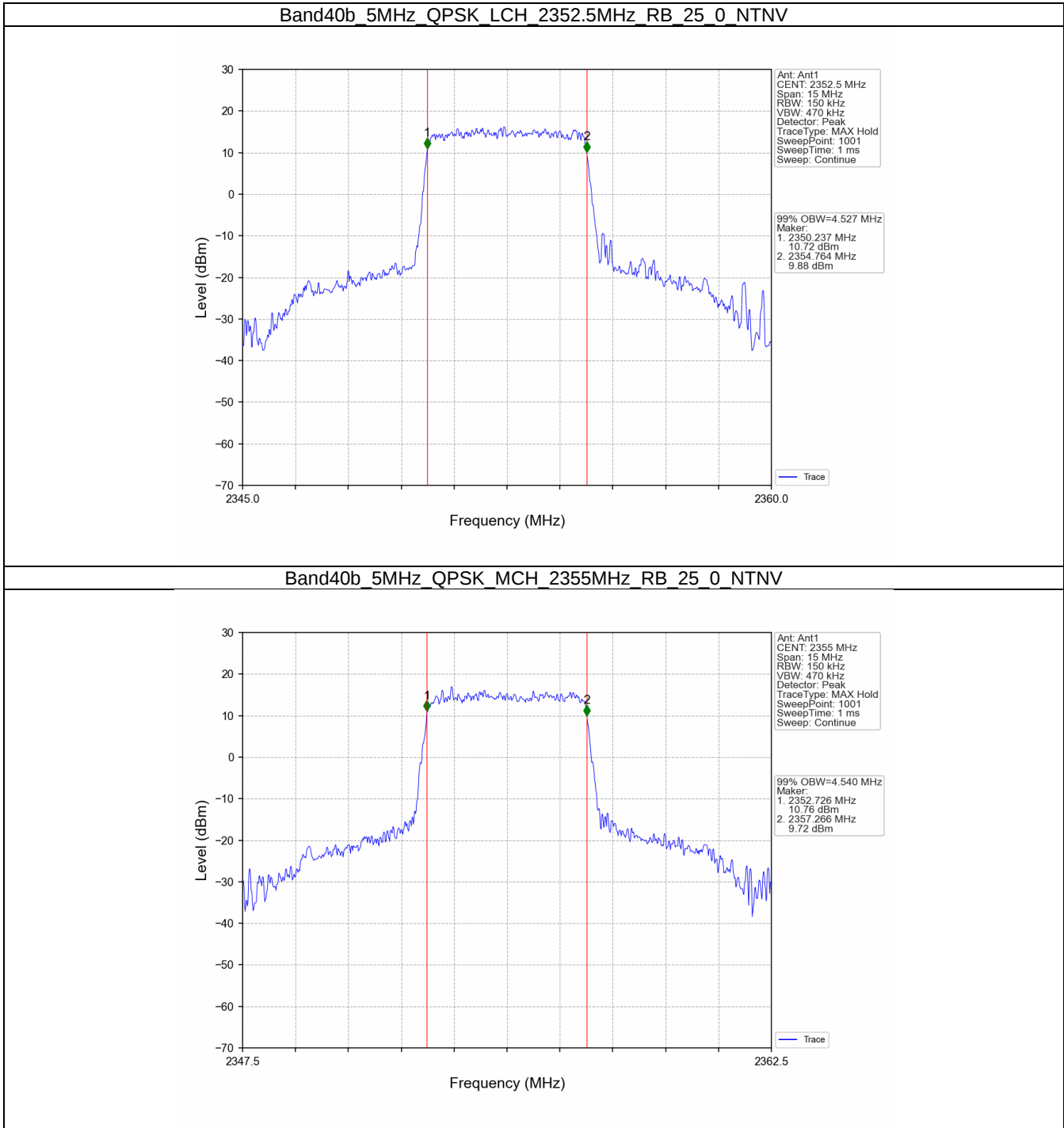
3. 99% & 26dB Bandwidth

3.1 Band40b_OBW

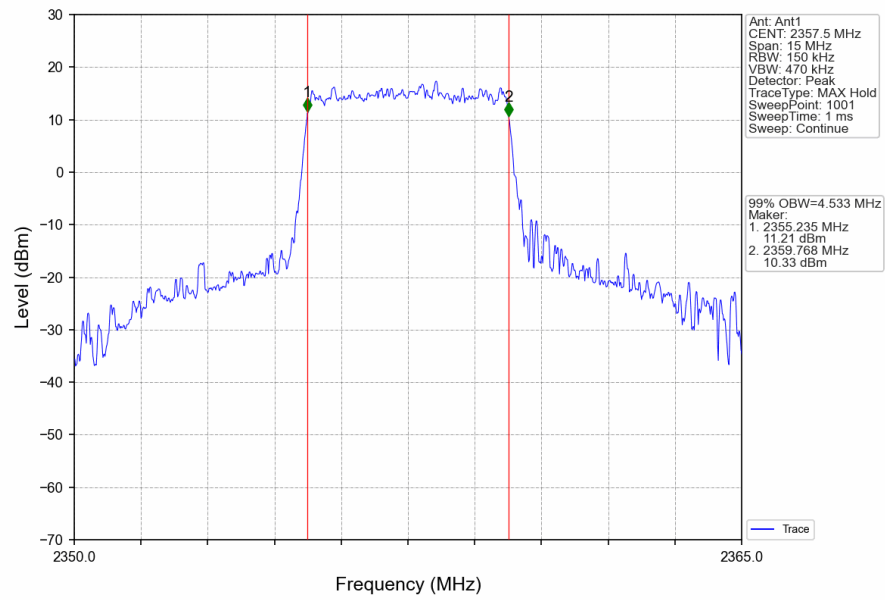
3.1.1 Test Result

Band: 40b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2352.5	25	0	4.527	/	Pass
		2355	25	0	4.540	/	Pass
		2357.5	25	0	4.533	/	Pass
	16QAM	2352.5	25	0	4.543	/	Pass
		2355	25	0	4.565	/	Pass
		2357.5	25	0	4.533	/	Pass
10	QPSK	2355	50	0	9.055	/	Pass
	16QAM	2355	50	0	9.054	/	Pass

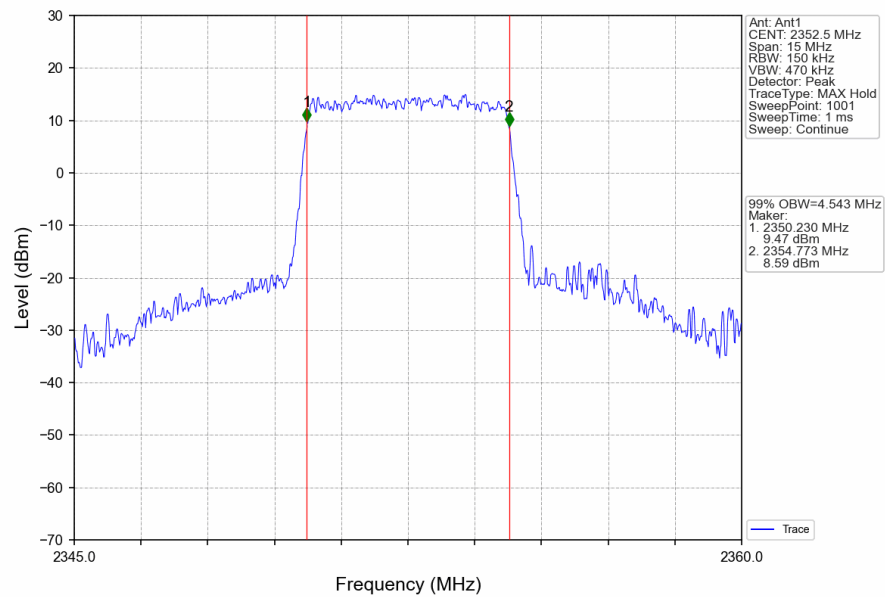
3.1.2 Test Graph



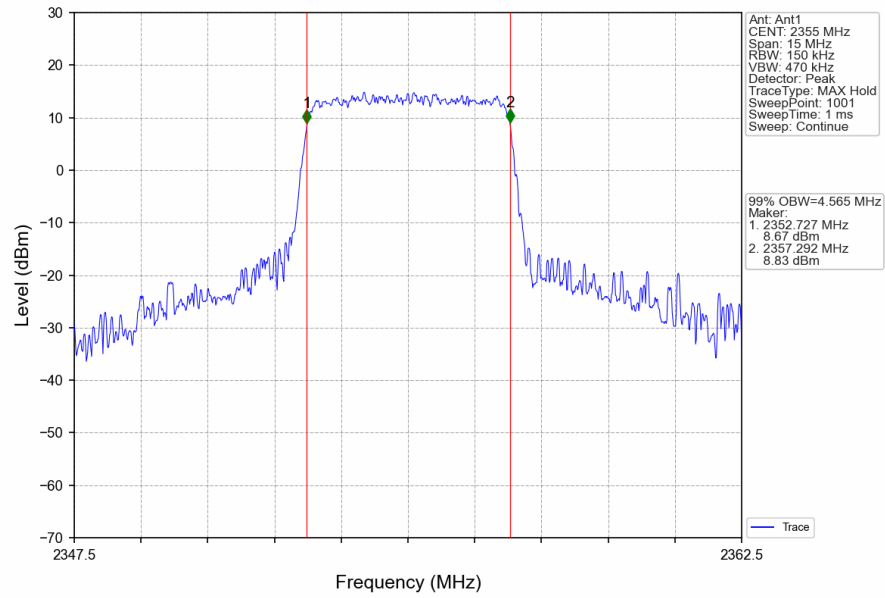
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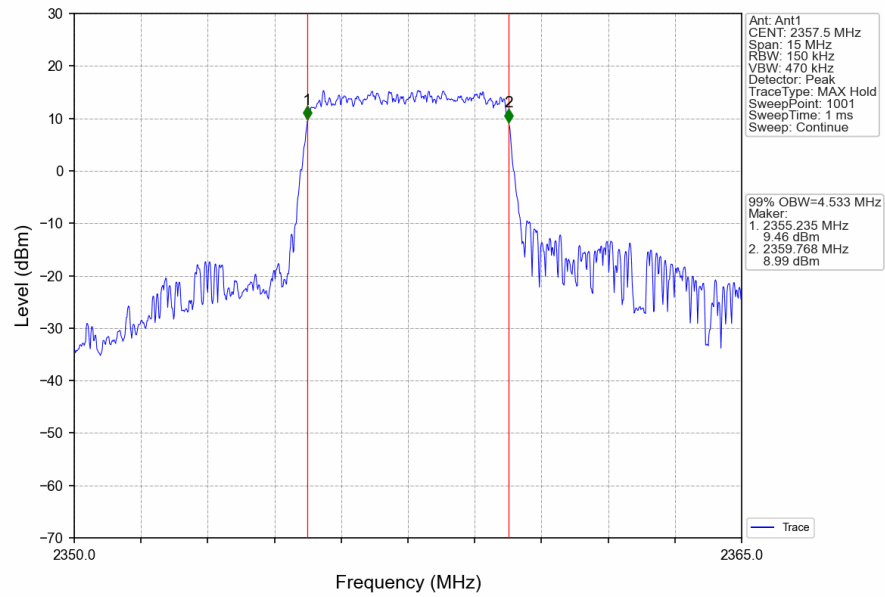
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



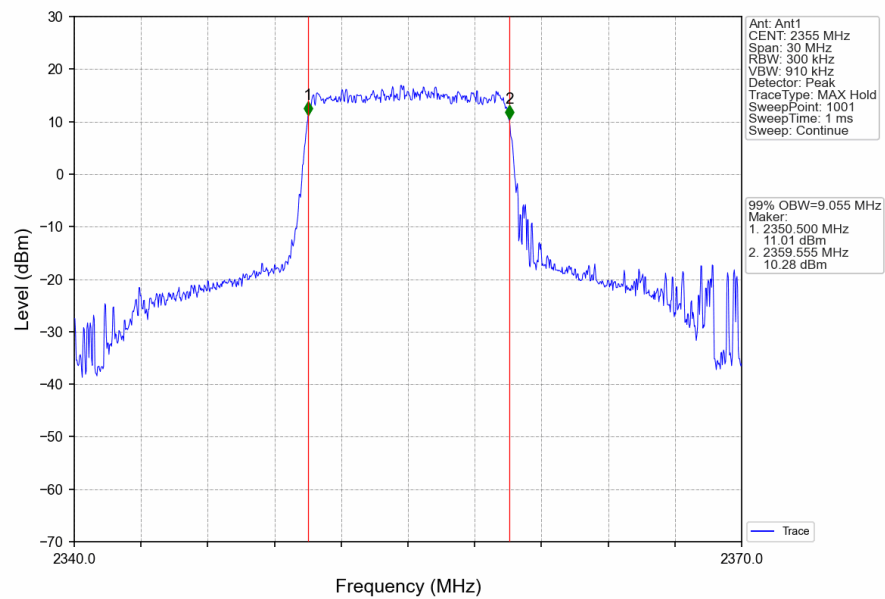
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



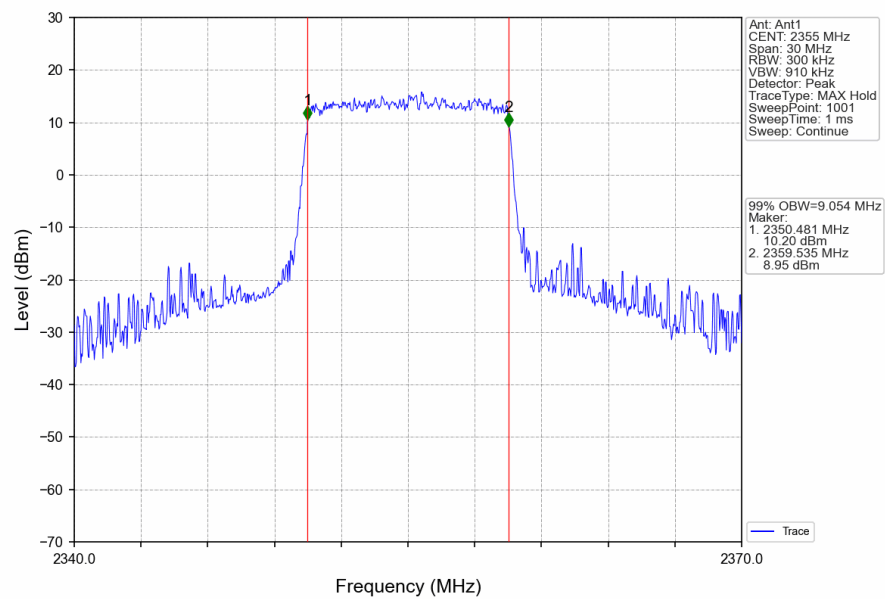
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV

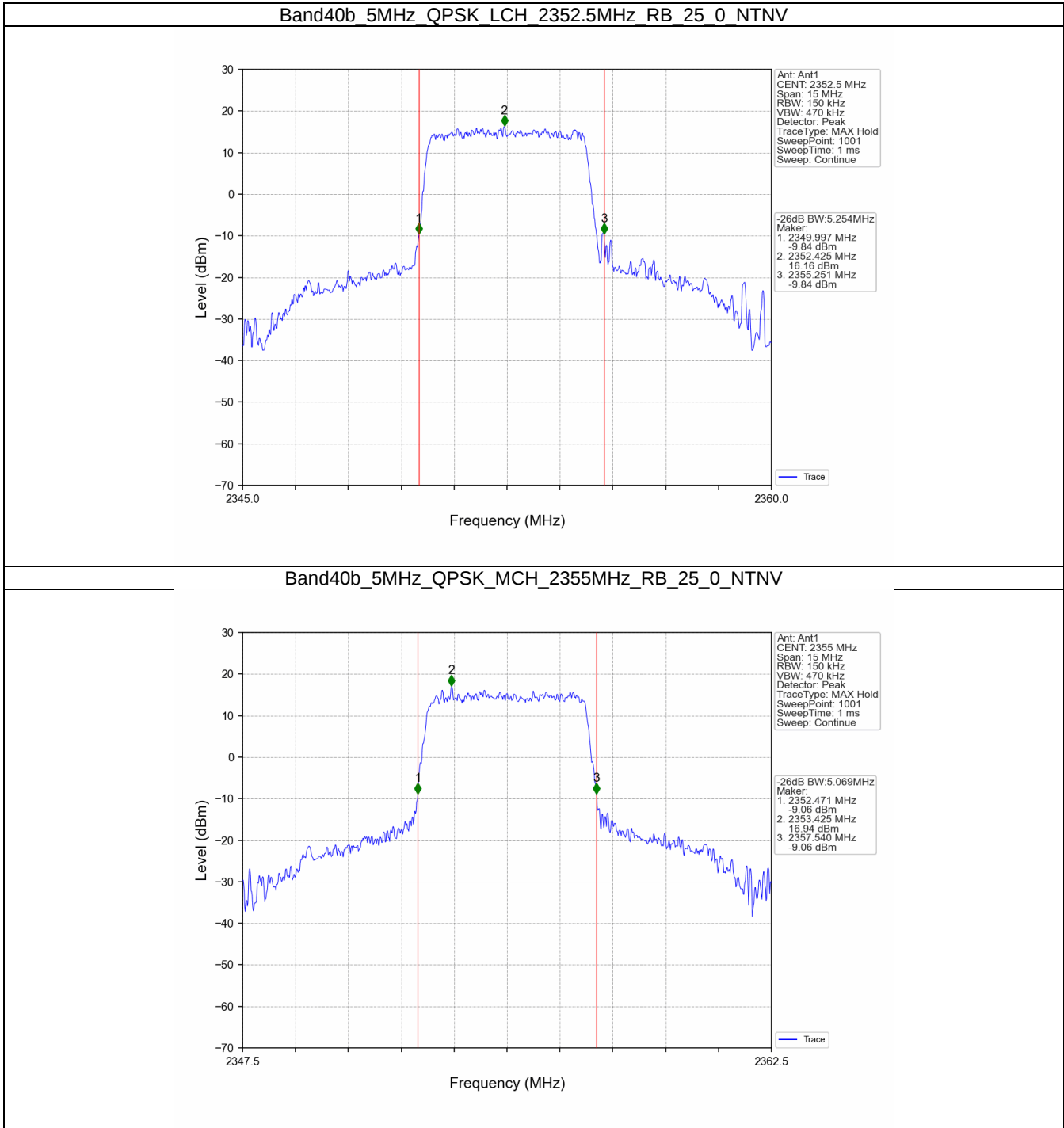


3.2 Band40b_XDB

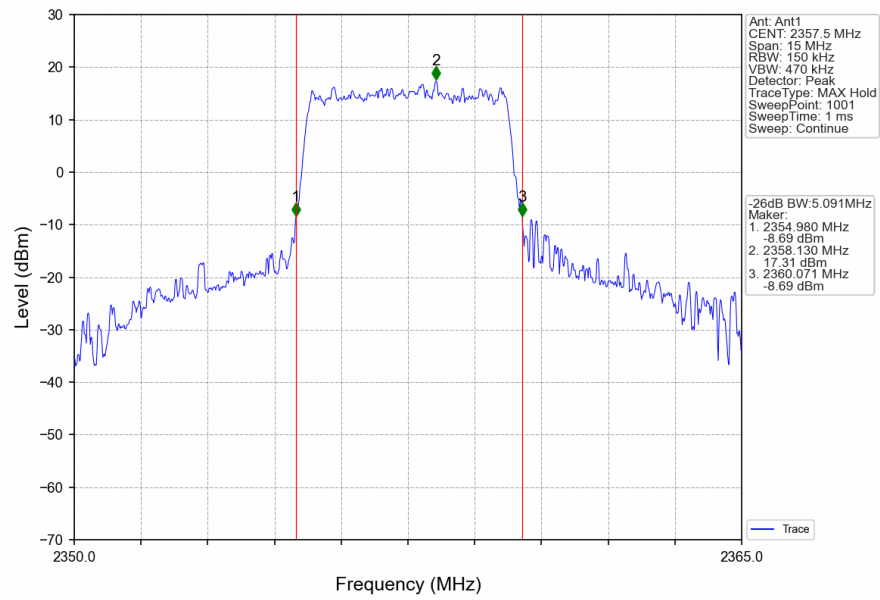
3.2.1 Test Result

Band: 40b / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2352.5	25	0	5.254	/	Pass
		2355	25	0	5.069	/	Pass
		2357.5	25	0	5.091	/	Pass
	16QAM	2352.5	25	0	5.079	/	Pass
		2355	25	0	5.121	/	Pass
		2357.5	25	0	5.293	/	Pass
10	QPSK	2355	50	0	10.384	/	Pass
	16QAM	2355	50	0	10.178	/	Pass

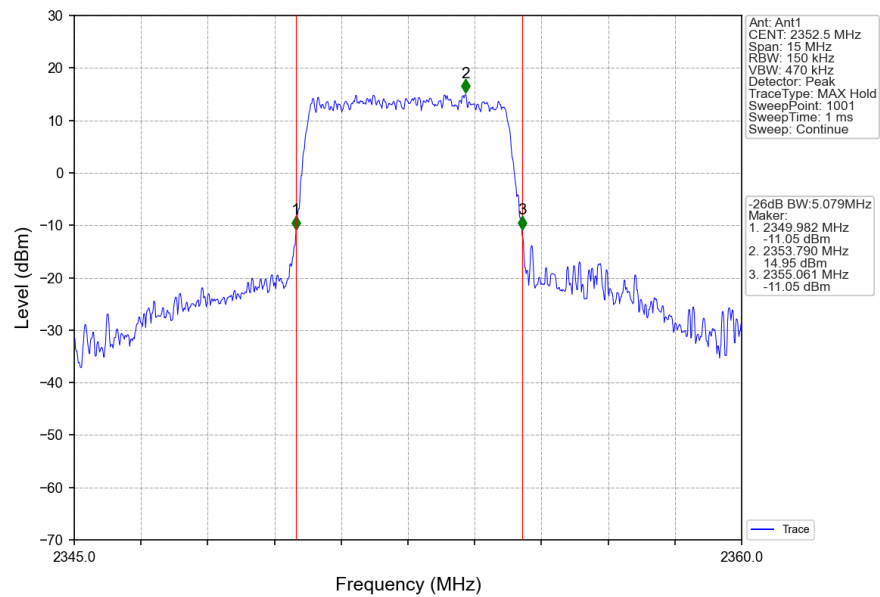
3.2.2 Test Graph



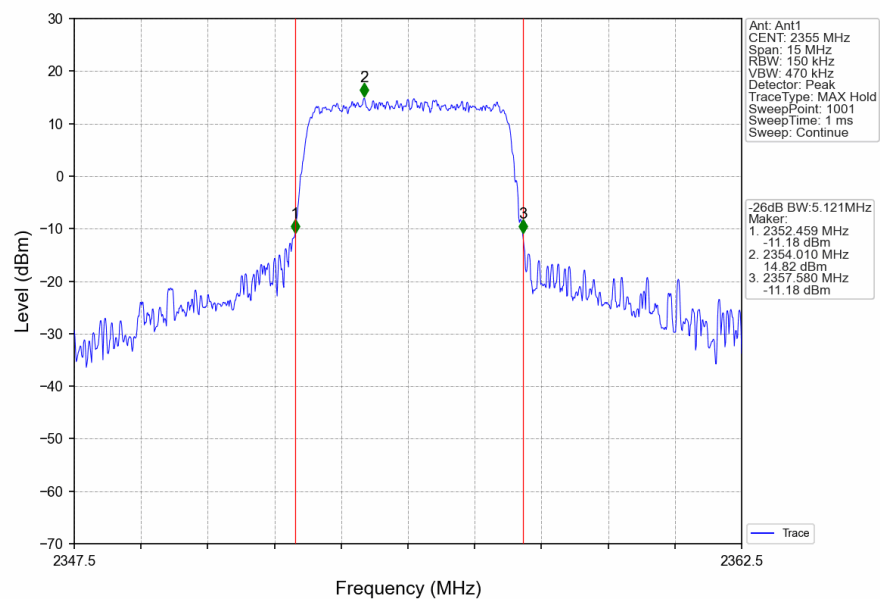
Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV



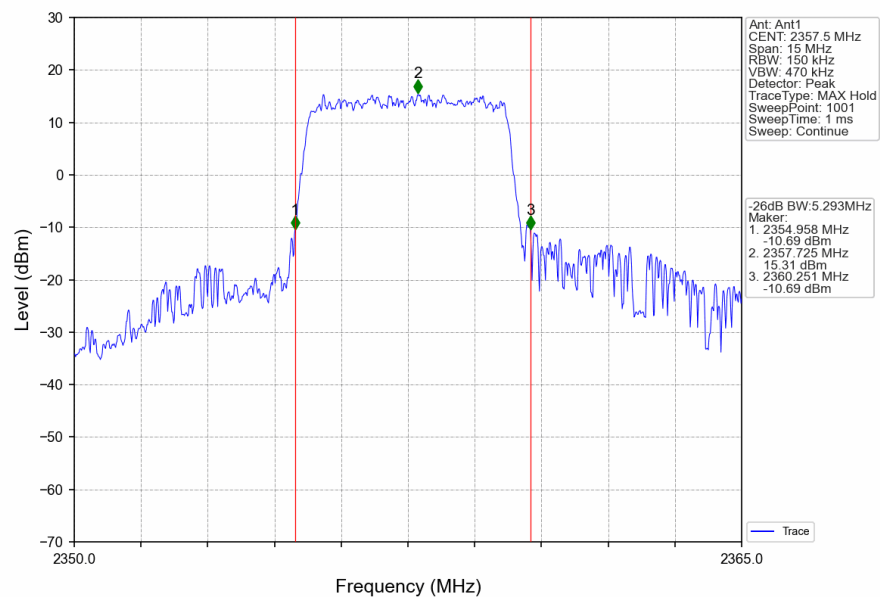
Band40b_5MHz_16QAM_LCH_2352.5MHz_RB_25_0_NTNV



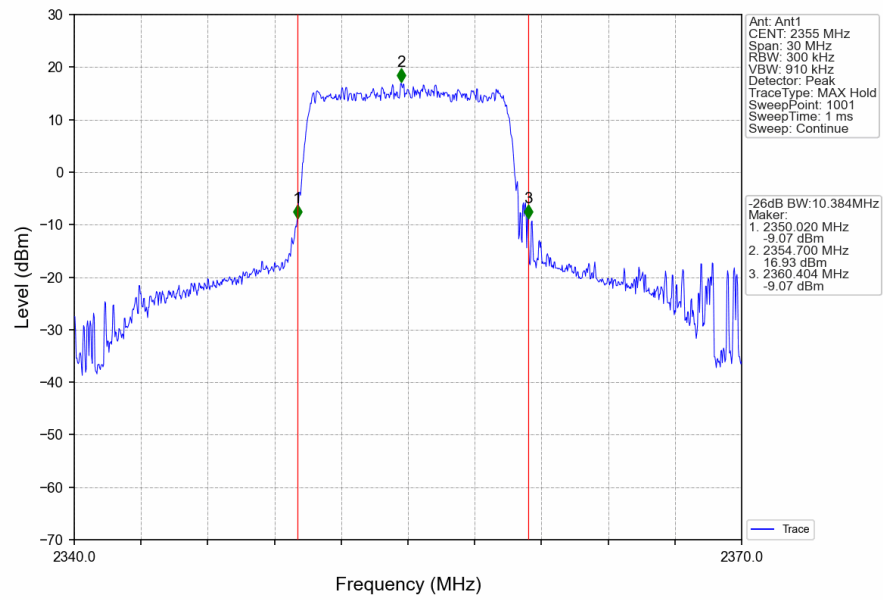
Band40b_5MHz_16QAM_MCH_2355MHz_RB_25_0_NTNV



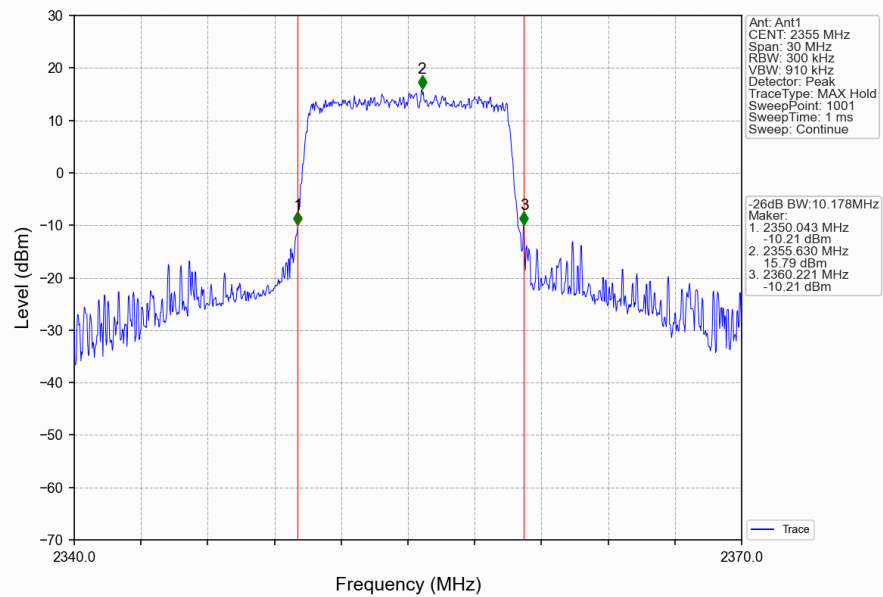
Band40b_5MHz_16QAM_HCH_2357.5MHz_RB_25_0_NTNV



Band40b_10MHz_QPSK_MCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_16QAM_MCH_2355MHz_RB_50_0_NTNV



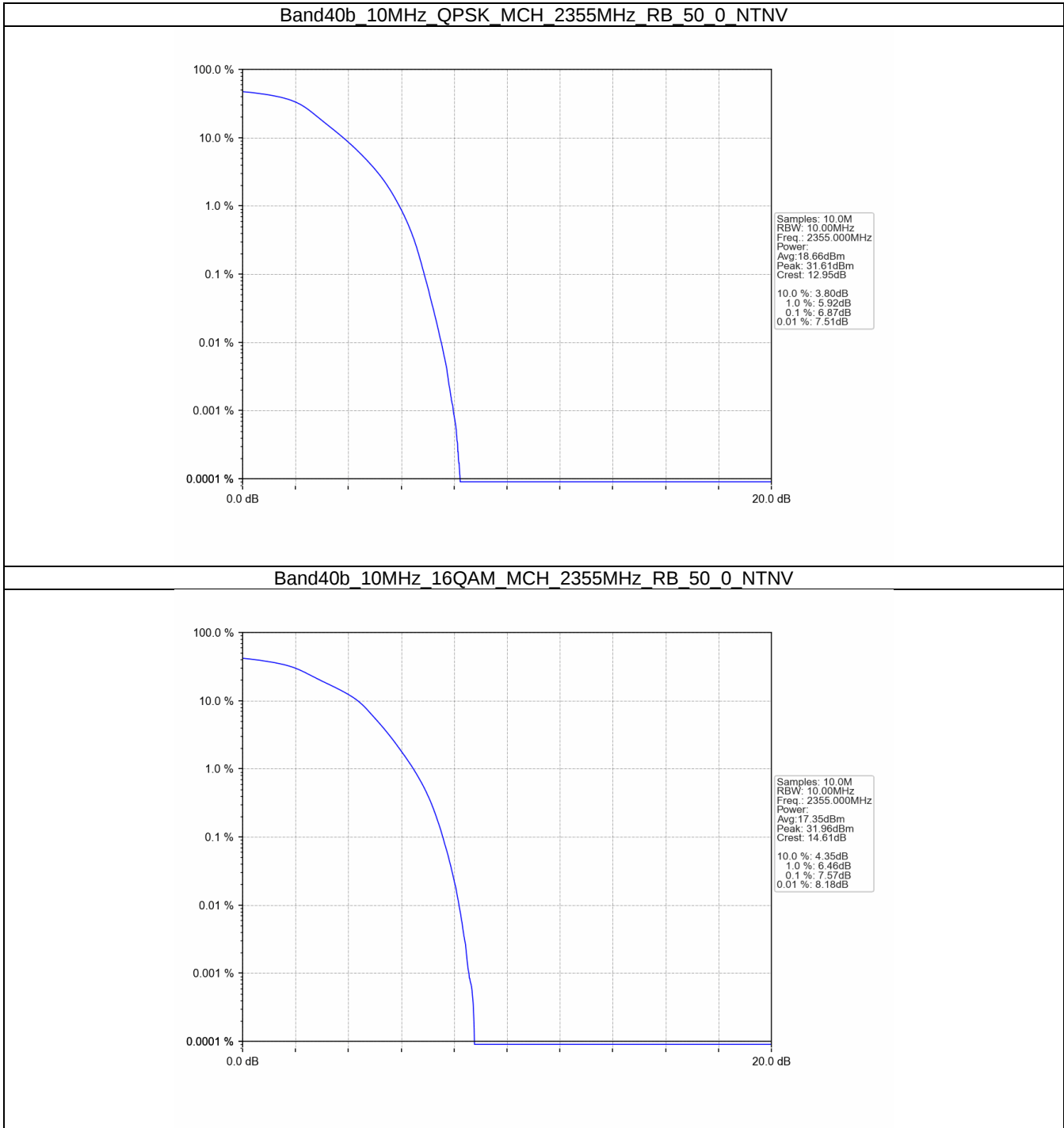
4. Peak-Average Ratio

4.1 B40b_10MHz

4.1.1 Test Result

Band: 40b / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2355	50	0	6.87	<=13	Pass
16QAM	2355	50	0	7.57	<=13	Pass

4.1.2 Test Graph



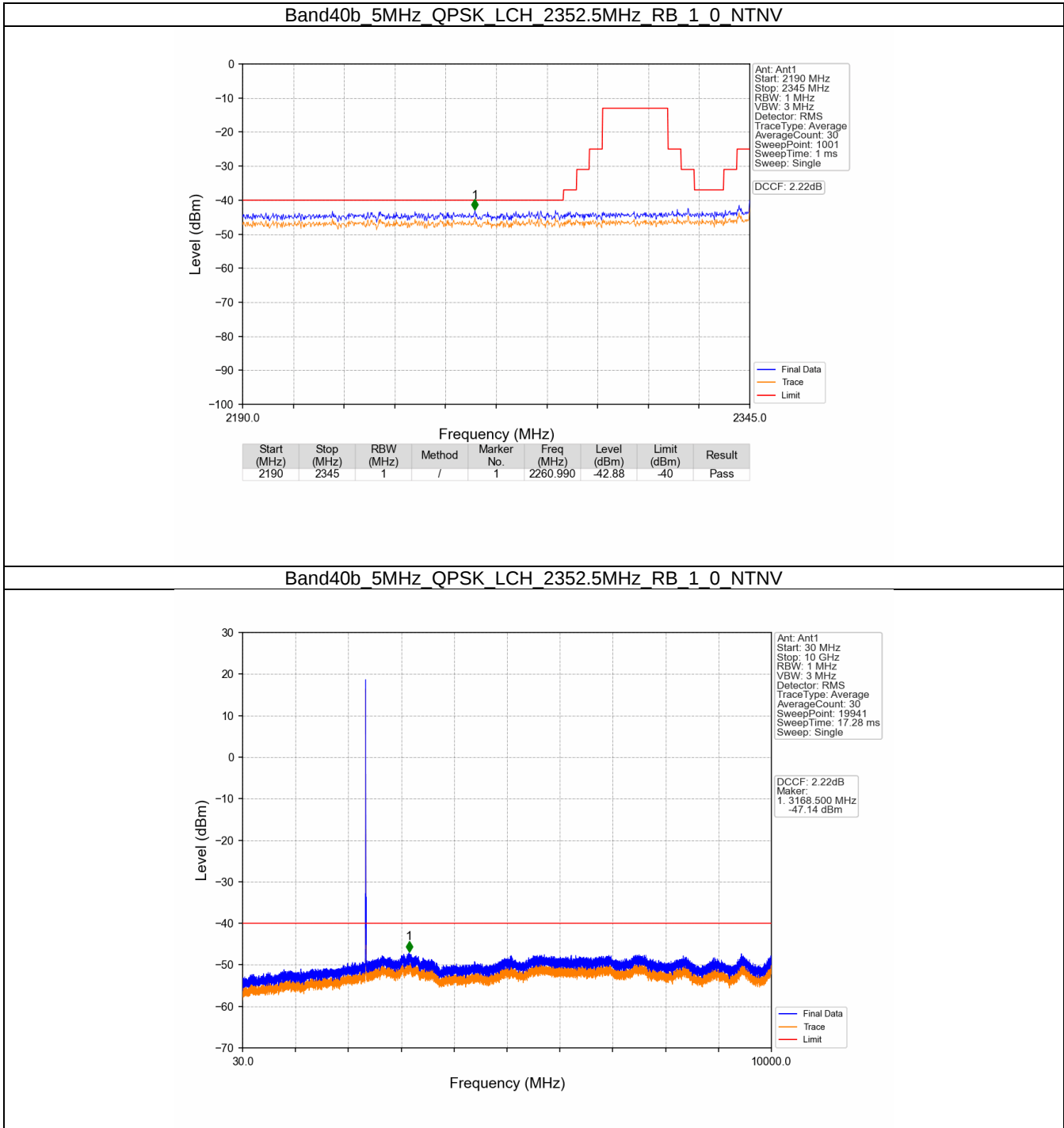
5. Spurious Emission

5.1 B40b_5MHz

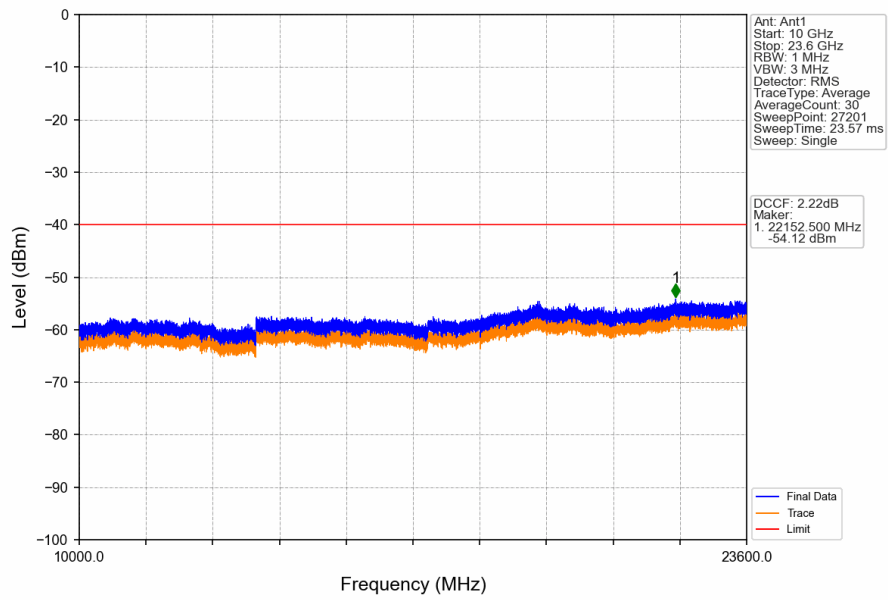
5.1.1 Test Result

Band: 40b / Bandwidth: 5MHz / NTV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2352.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2355	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	2357.5	1	24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

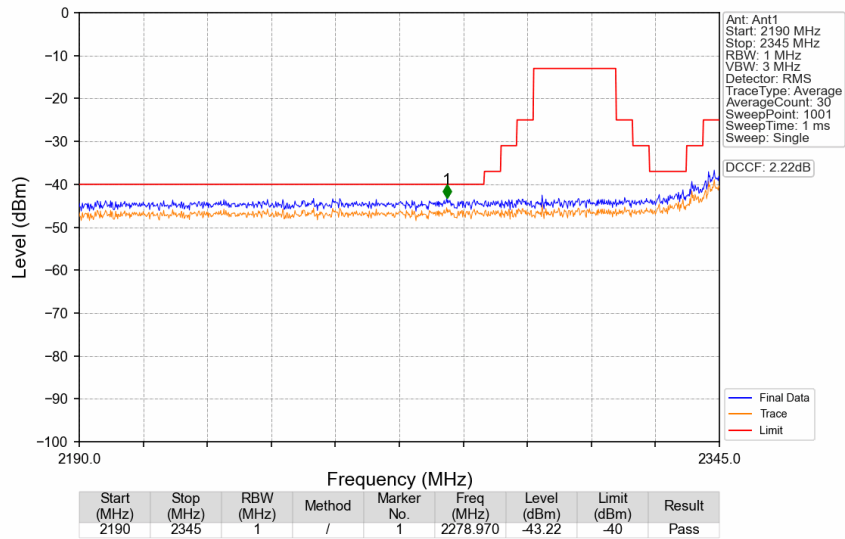
5.1.2 Test Graph



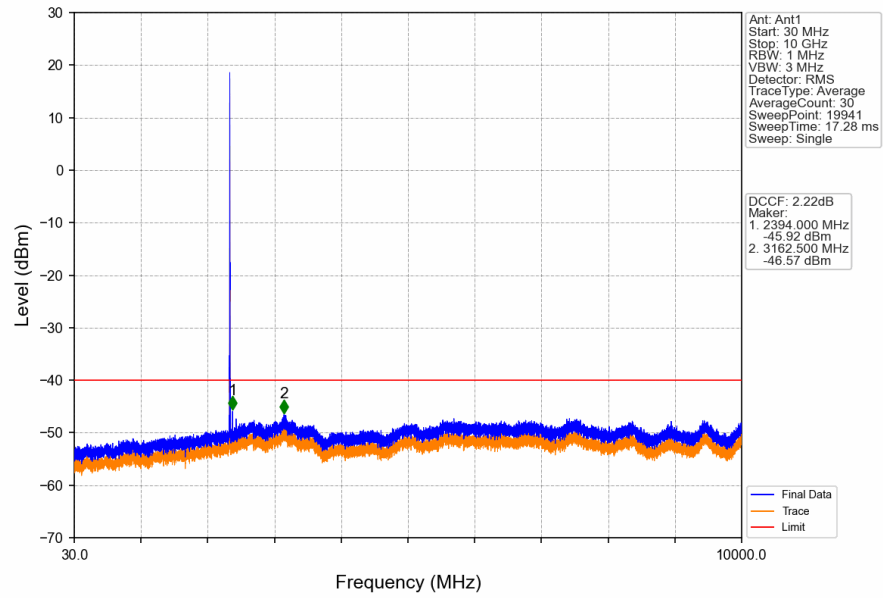
Band40b 5MHz QPSK LCH 2352.5MHz RB 1 0 NTNV



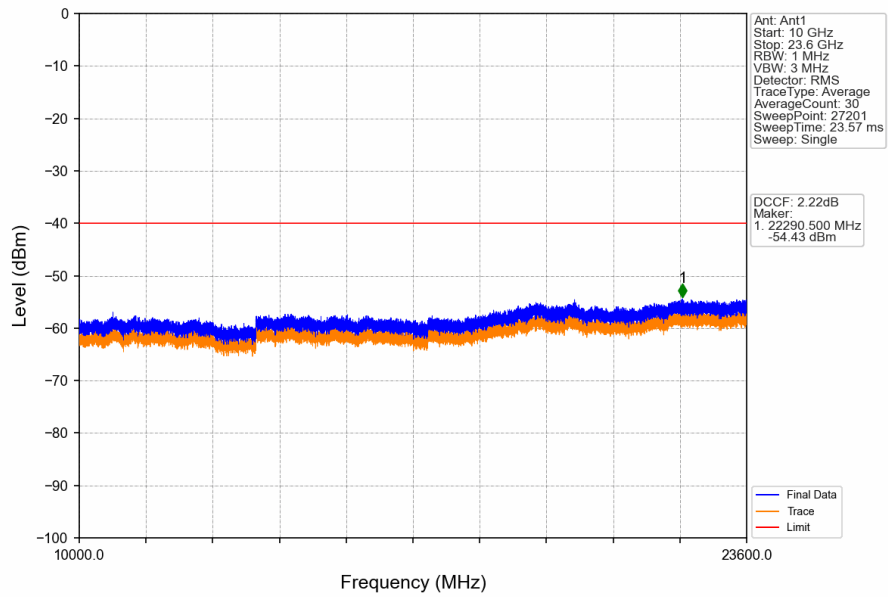
Band40b 5MHz QPSK LCH 2352.5MHz RB 25 0 NTNV



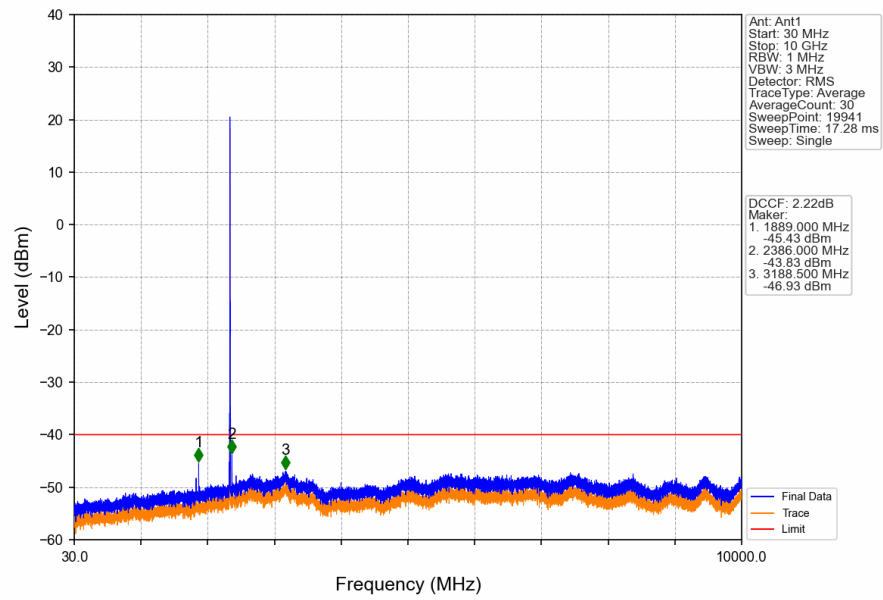
Band40b_5MHz_QPSK_MCH_2355MHz_RB_1_0_NTNV



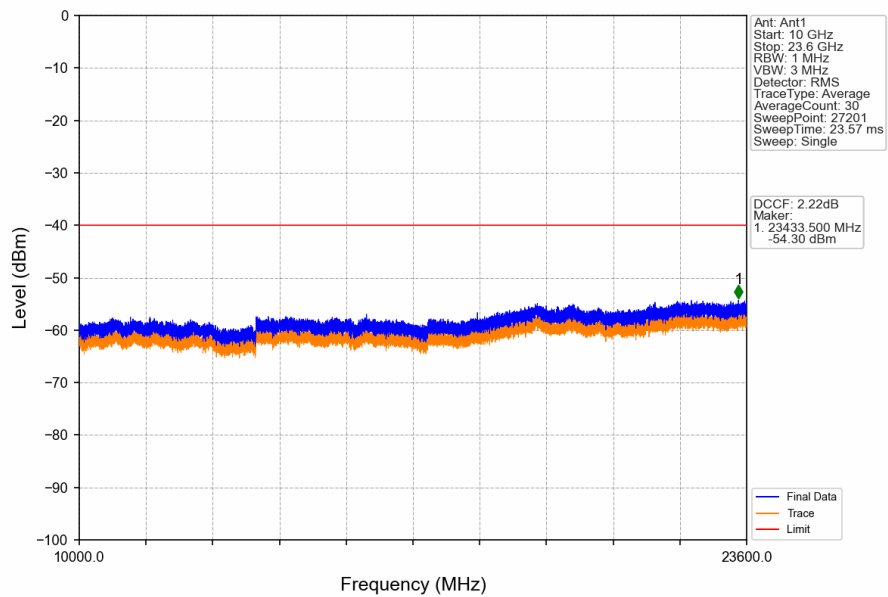
Band40b_5MHz_QPSK_MCH_2355MHz_RB_1_0_NTNV



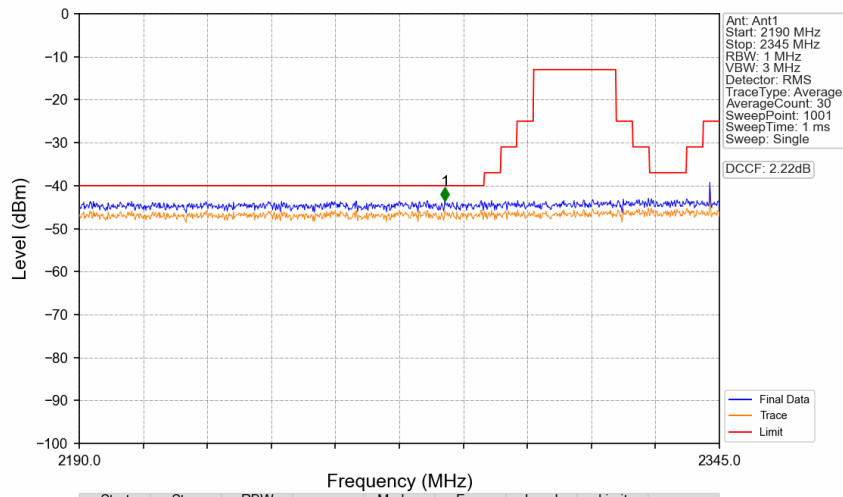
Band40b 5MHz QPSK HCH 2357.5MHz RB 1 0 NTNV



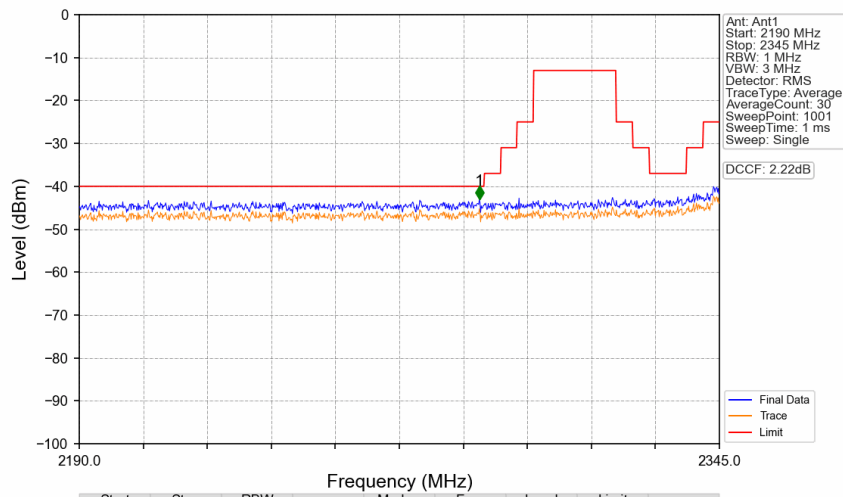
Band40b 5MHz QPSK HCH 2357.5MHz RB 1 0 NTNV



Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_1_24_NTNV



Band40b_5MHz_QPSK_HCH_2357.5MHz_RB_25_0_NTNV

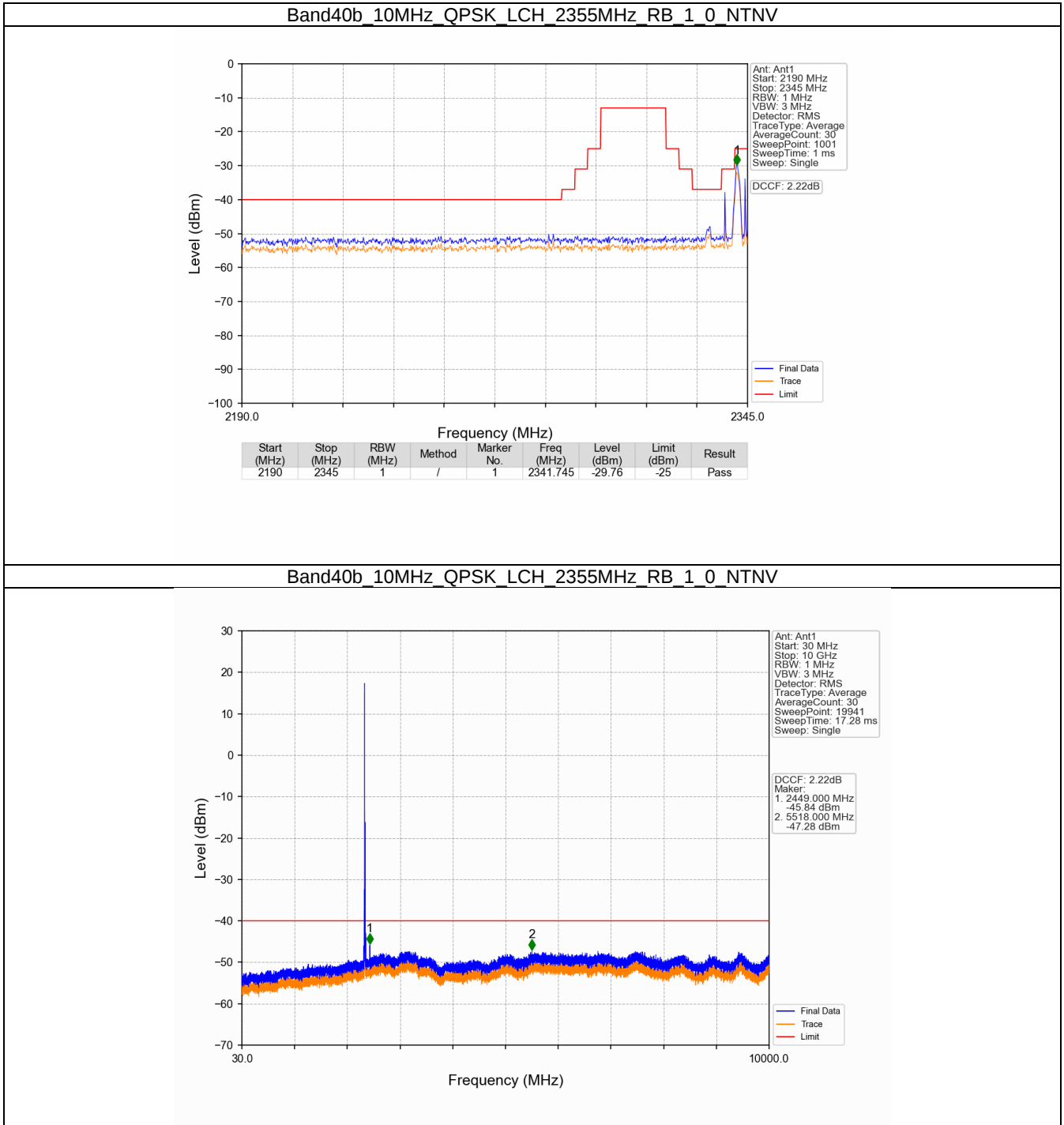


5.2 B40b_10MHz

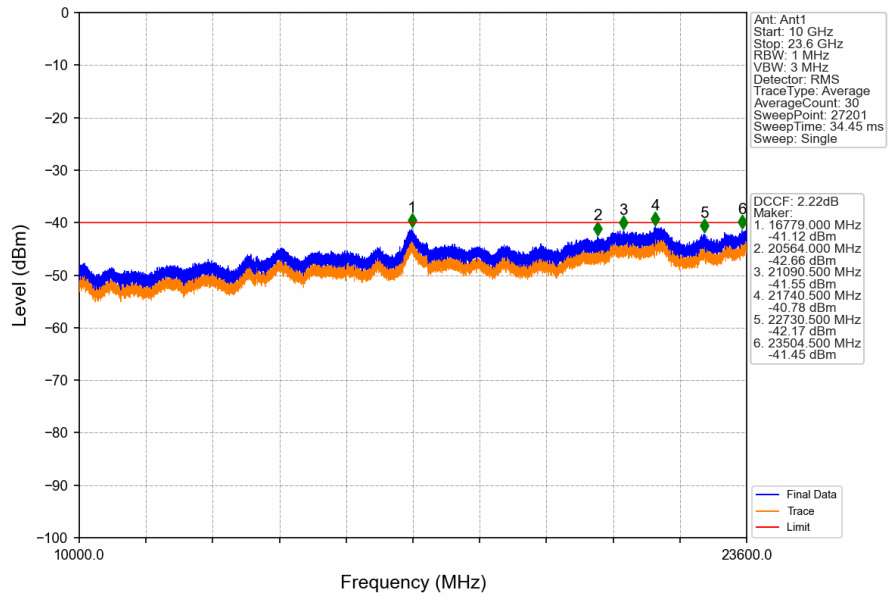
5.2.1 Test Result

Band: 40b / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2355	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2355	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

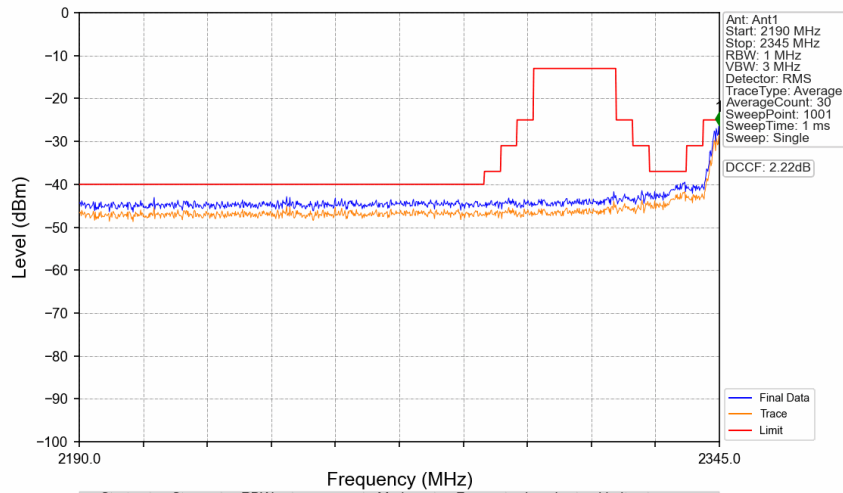
5.2.2 Test Graph



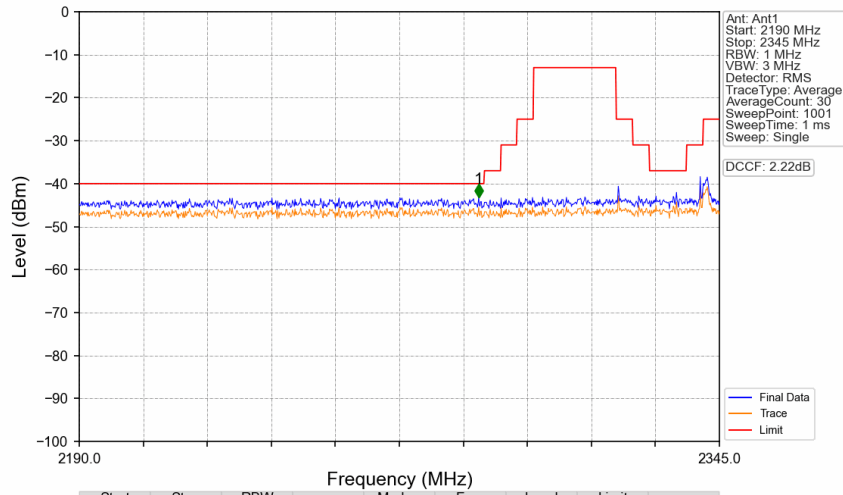
Band40b_10MHz_QPSK_LCH_2355MHz_RB_1_0_NTNV



Band40b_10MHz_QPSK_LCH_2355MHz_RB_50_0_NTNV



Band40b_10MHz_QPSK_HCH_2355MHz_RB_1_49_NTNV



Band40b_10MHz_QPSK_HCH_2355MHz_RB_50_0_NTNV

