

1. Effective (Isotropic) Radiated Power Output Data

1.1 B30_5MHz_EIRP

1.1.1 Test Result

Band: 30 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2307.5	1	0	21.71	1.14	22.85	<=23.98	Pass
			13	21.81	1.14	22.95	<=23.98	Pass
			24	21.67	1.14	22.81	<=23.98	Pass
		12	0	20.68	1.14	21.82	<=23.98	Pass
			6	20.75	1.14	21.89	<=23.98	Pass
			13	20.74	1.14	21.88	<=23.98	Pass
		25	0	20.74	1.14	21.88	<=23.98	Pass
	2310	1	0	21.69	1.14	22.83	<=23.98	Pass
			13	21.79	1.14	22.93	<=23.98	Pass
			24	21.67	1.14	22.81	<=23.98	Pass
		12	0	20.68	1.14	21.82	<=23.98	Pass
			6	20.46	1.14	21.60	<=23.98	Pass
			13	20.23	1.14	21.37	<=23.98	Pass
	25	0	20.20	1.14	21.34	<=23.98	Pass	
	2312.5	1	0	21.18	1.14	22.32	<=23.98	Pass
			13	21.26	1.14	22.40	<=23.98	Pass
			24	21.16	1.14	22.30	<=23.98	Pass
		12	0	20.22	1.14	21.36	<=23.98	Pass
			6	20.25	1.14	21.39	<=23.98	Pass
			13	20.19	1.14	21.33	<=23.98	Pass
		25	0	20.23	1.14	21.37	<=23.98	Pass
16QAM		2307.5	1	0	20.84	1.14	21.98	<=23.98
	13			20.95	1.14	22.09	<=23.98	Pass
	24			20.88	1.14	22.02	<=23.98	Pass
	12		0	19.70	1.14	20.84	<=23.98	Pass
			6	19.78	1.14	20.92	<=23.98	Pass
			13	19.79	1.14	20.93	<=23.98	Pass
	25		0	19.67	1.14	20.81	<=23.98	Pass
	2310	1	0	19.98	1.14	21.12	<=23.98	Pass
			13	20.09	1.14	21.23	<=23.98	Pass
			24	19.97	1.14	21.11	<=23.98	Pass
		12	0	19.20	1.14	20.34	<=23.98	Pass
			6	19.24	1.14	20.38	<=23.98	Pass
			13	19.20	1.14	20.34	<=23.98	Pass
	25	0	19.20	1.14	20.34	<=23.98	Pass	
	2312.5	1	0	20.21	1.14	21.35	<=23.98	Pass
			13	20.28	1.14	21.42	<=23.98	Pass
			24	20.18	1.14	21.32	<=23.98	Pass
		12	0	19.20	1.14	20.34	<=23.98	Pass
			6	19.25	1.14	20.39	<=23.98	Pass
			13	19.19	1.14	20.33	<=23.98	Pass
		25	0	19.19	1.14	20.33	<=23.98	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B30_10MHz_EIRP

1.2.1 Test Result

Band: 30 / Bandwidth: 10MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2310	1	0	21.71	1.14	22.85	<=23.98	Pass
			25	21.82	1.14	22.96	<=23.98	Pass
			49	21.62	1.14	22.76	<=23.98	Pass
		25	0	20.60	1.14	21.74	<=23.98	Pass
			13	20.65	1.14	21.79	<=23.98	Pass
			25	20.64	1.14	21.78	<=23.98	Pass
		50	0	20.62	1.14	21.76	<=23.98	Pass
		1	0	20.56	1.14	21.70	<=23.98	Pass
			25	20.79	1.14	21.93	<=23.98	Pass
			49	20.54	1.14	21.68	<=23.98	Pass
16QAM	2310	25	0	19.63	1.14	20.77	<=23.98	Pass
			13	19.71	1.14	20.85	<=23.98	Pass
			25	19.69	1.14	20.83	<=23.98	Pass
		50	0	19.61	1.14	20.75	<=23.98	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B30_5MHz

2.1.1 Test Result

Band: 30 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2307.5	25	0	20	3.27	-6.909	-0.0030	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0018	-2.5 to 2.5	Pass
					4.43	1.645	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-4.463	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.220	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-1.760	-0.0008	-2.5 to 2.5	Pass
				10	3.85	0.844	0.0004	-2.5 to 2.5	Pass
				30	3.85	-6.595	-0.0029	-2.5 to 2.5	Pass
				40	3.85	3.963	0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0008	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	-12.674	-0.0055	-2.5 to 2.5	Pass
					3.85	-5.622	-0.0024	-2.5 to 2.5	Pass
					4.43	-8.912	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-6.709	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.963	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-6.537	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.030	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-4.678	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-6.680	-0.0029	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	-3.133	-0.0014	-2.5 to 2.5	Pass
					3.85	-11.044	-0.0048	-2.5 to 2.5	Pass

					4.43	-7.968	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-6.280	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-9.871	-0.0043	-2.5 to 2.5	Pass
				0	3.85	22.287	0.0096	-2.5 to 2.5	Pass
				10	3.85	-6.752	-0.0029	-2.5 to 2.5	Pass
				30	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				40	3.85	-6.952	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-4.120	-0.0018	-2.5 to 2.5	Pass
16QAM	2307.5	25	0	20	3.27	-2.046	-0.0009	-2.5 to 2.5	Pass
					3.85	2.432	0.0011	-2.5 to 2.5	Pass
					4.43	-2.303	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-1.245	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.287	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-10.858	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-4.606	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-2.418	-0.0010	-2.5 to 2.5	Pass
	2310	25	0	20	3.27	-0.014	0.0000	-2.5 to 2.5	Pass
					3.85	-9.413	-0.0041	-2.5 to 2.5	Pass
					4.43	-5.093	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-16.222	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-9.713	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-10.114	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-7.625	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-13.790	-0.0060	-2.5 to 2.5	Pass
				30	3.85	6.108	0.0026	-2.5 to 2.5	Pass
				40	3.85	-11.630	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-124.540	-0.0539	-2.5 to 2.5	Pass
	2312.5	25	0	20	3.27	-3.533	-0.0015	-2.5 to 2.5	Pass
					3.85	-5.236	-0.0023	-2.5 to 2.5	Pass
					4.43	-8.111	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	2.375	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-15.507	-0.0067	-2.5 to 2.5	Pass
				-10	3.85	-12.574	-0.0054	-2.5 to 2.5	Pass
				0	3.85	7.482	0.0032	-2.5 to 2.5	Pass
				10	3.85	-3.905	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.418	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-6.795	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-13.504	-0.0058	-2.5 to 2.5	Pass

2.2 B30_10MHz

2.2.1 Test Result

Band: 30 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	50	0	20	3.27	-14.834	-0.0064	-2.5 to 2.5	Pass
					3.85	0.958	0.0004	-2.5 to 2.5	Pass
					4.43	-1.073	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.089	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-7.253	-0.0031	-2.5 to 2.5	Pass

16QAM	2310	50	0	-10	3.85	-0.343	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-6.065	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-7.453	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-5.465	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-3.061	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-5.193	-0.0022	-2.5 to 2.5	Pass
				20	3.27	-3.076	-0.0013	-2.5 to 2.5	Pass
					3.85	-11.716	-0.0051	-2.5 to 2.5	Pass
					4.43	-3.419	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.730	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-7.811	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-5.708	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-41.614	-0.0180	-2.5 to 2.5	Pass
				30	3.85	-4.020	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-6.852	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-5.007	-0.0022	-2.5 to 2.5	Pass

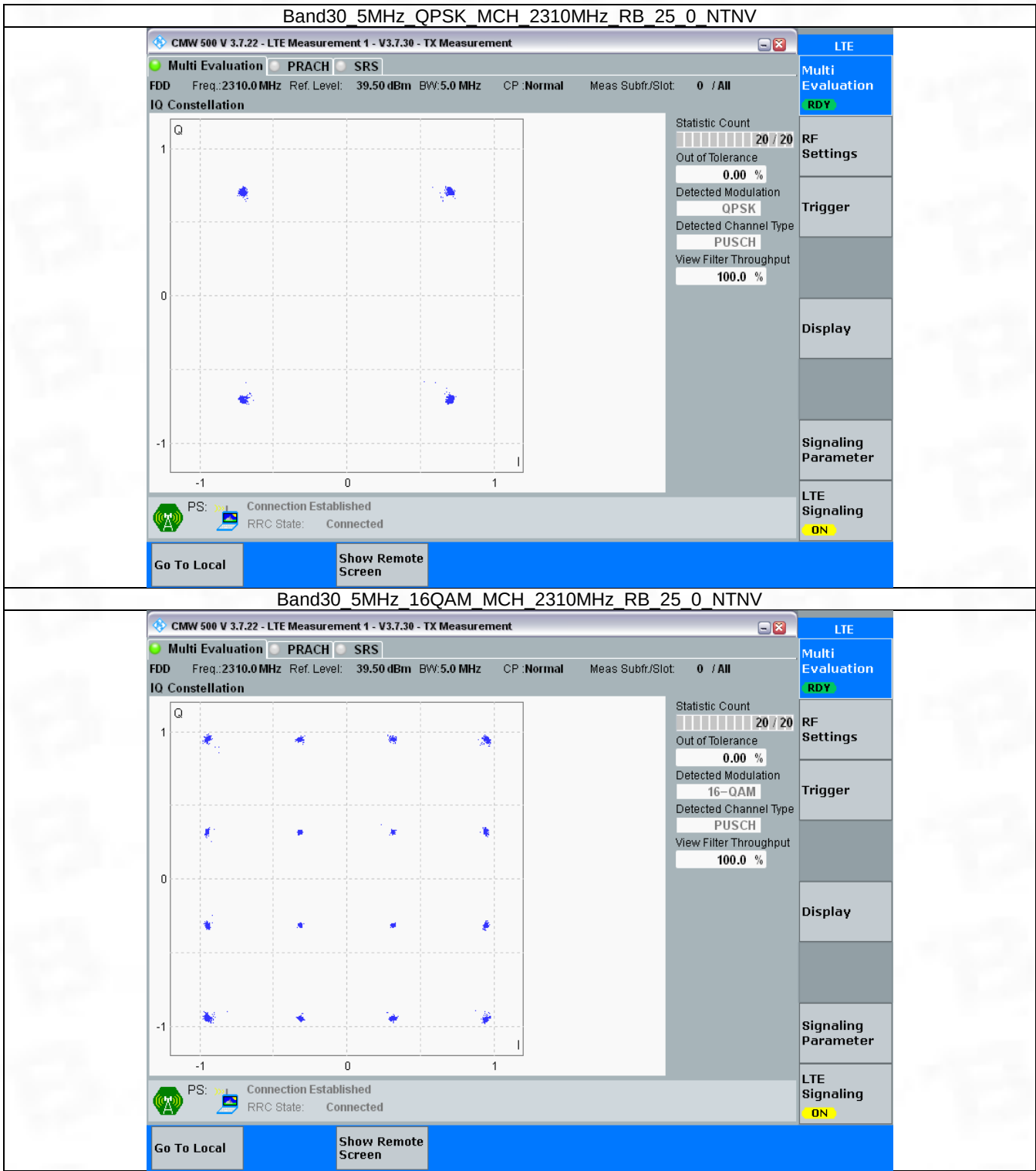
3. Modulation Characteristics

3.1 B30_5MHz

3.1.1 Test Result

Band: 30 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	25	0	Refer To Test Graph		Pass
16QAM	2310	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

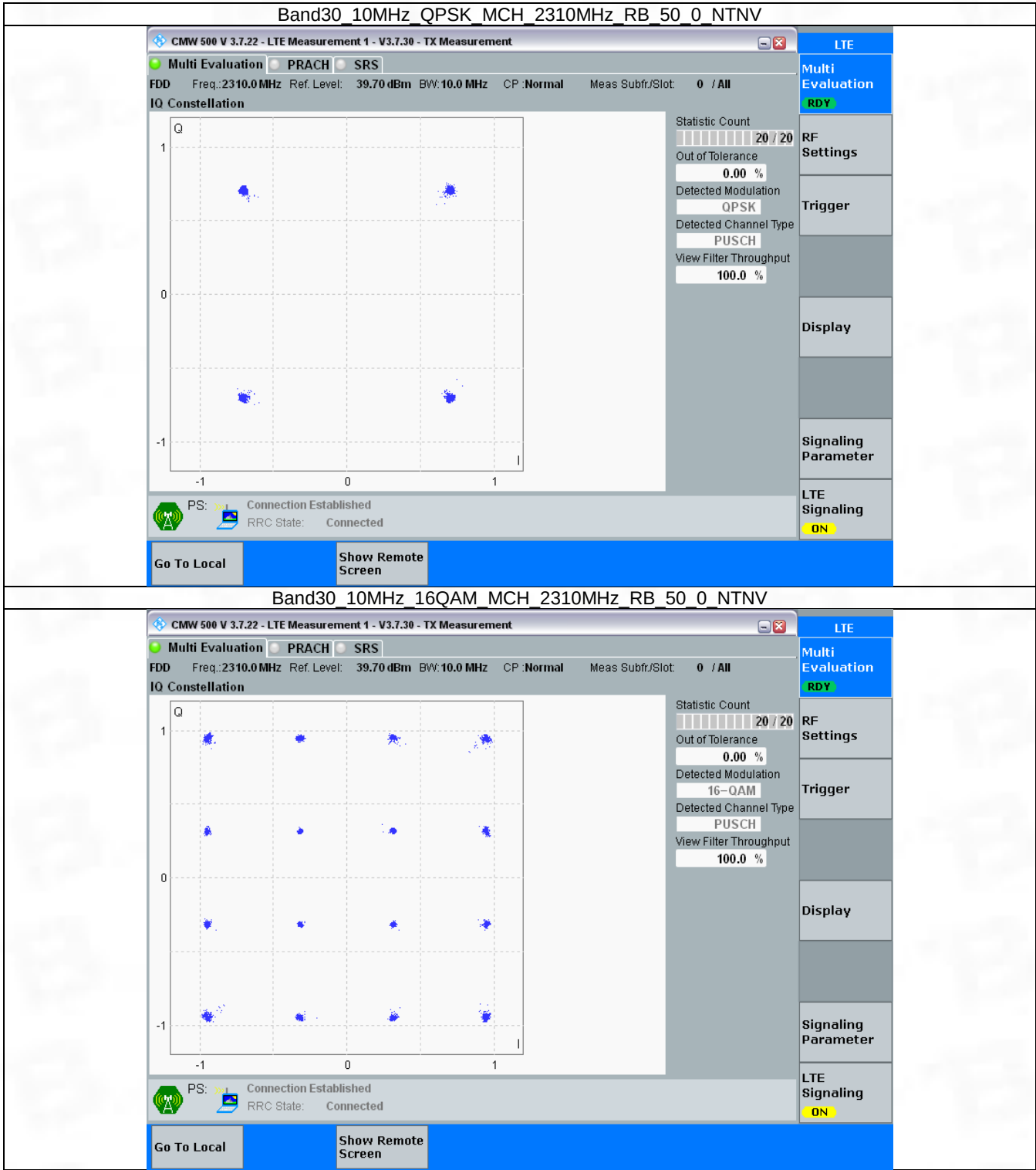


3.2 B30_10MHz

3.2.1 Test Result

Band: 30 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	50	0	Refer To Test Graph		Pass
16QAM	2310	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph



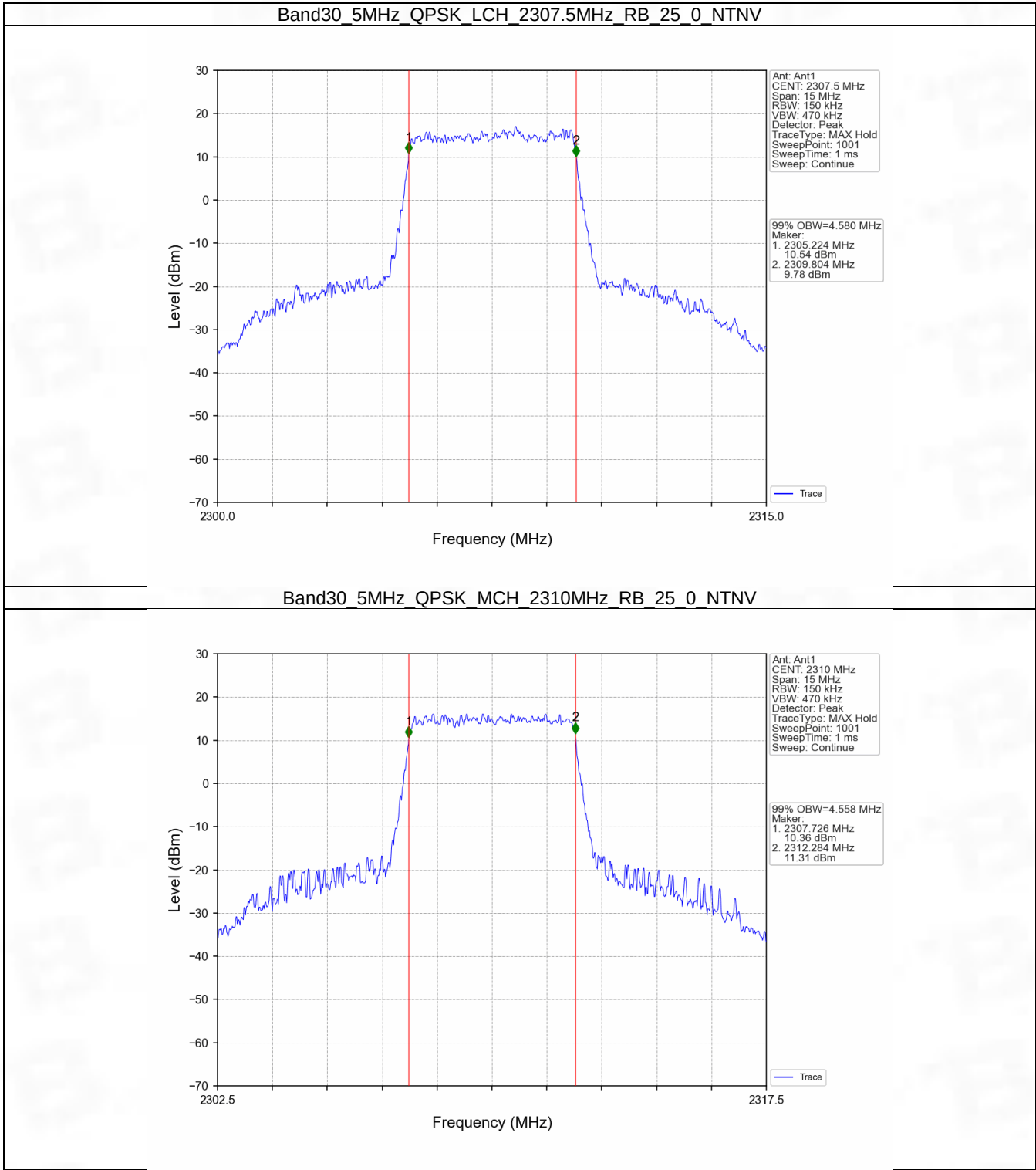
4. 99% & 26dB Bandwidth

4.1 Band30_OBW

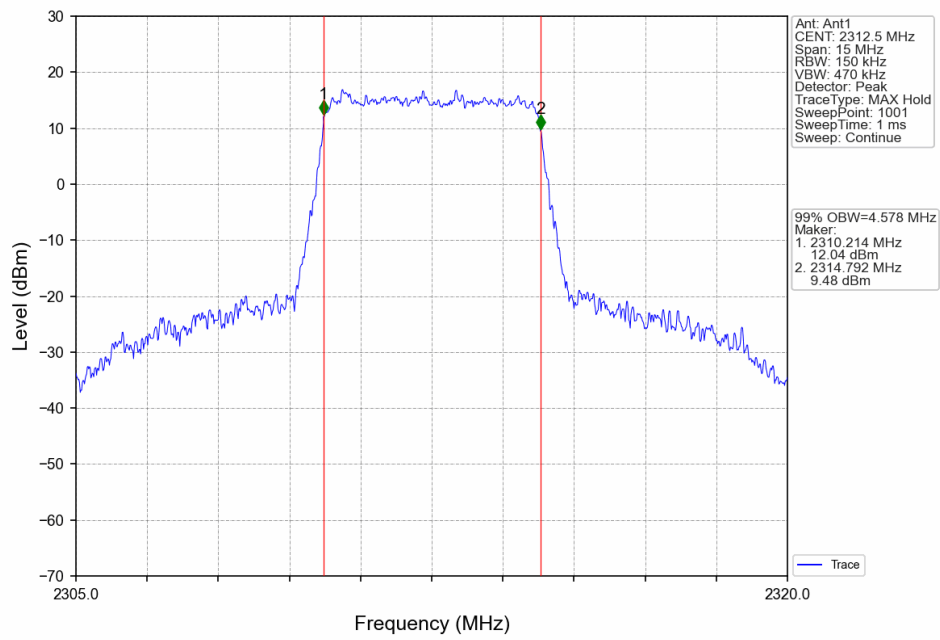
4.1.1 Test Result

Band: 30 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	4.580	Pass
		2310	25	0	4.558	Pass
		2312.5	25	0	4.578	Pass
	16QAM	2307.5	25	0	4.588	Pass
		2310	25	0	4.575	Pass
		2312.5	25	0	4.583	Pass
10	QPSK	2310	50	0	9.099	Pass
	16QAM	2310	50	0	9.107	Pass

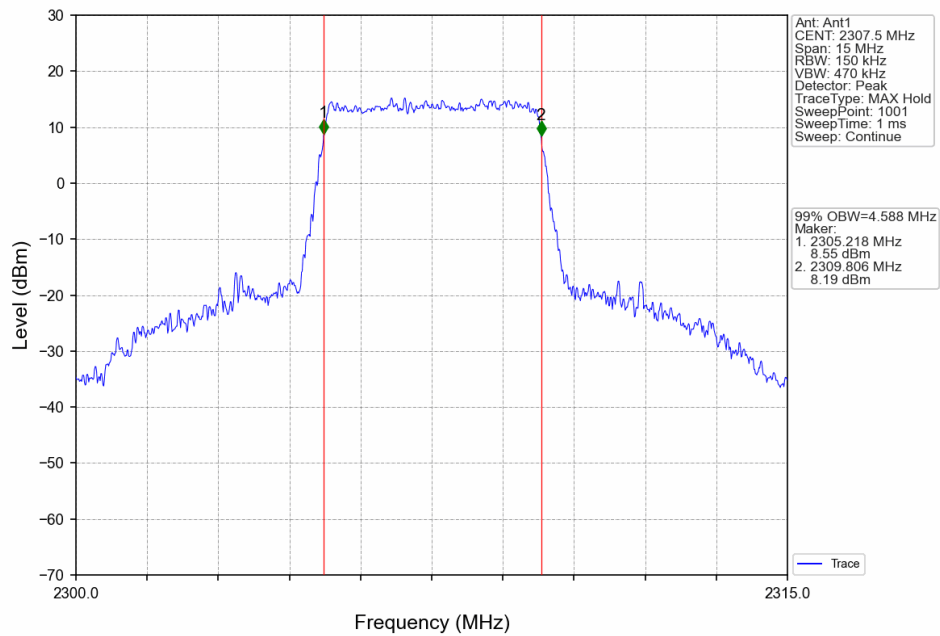
4.1.2 Test Graph



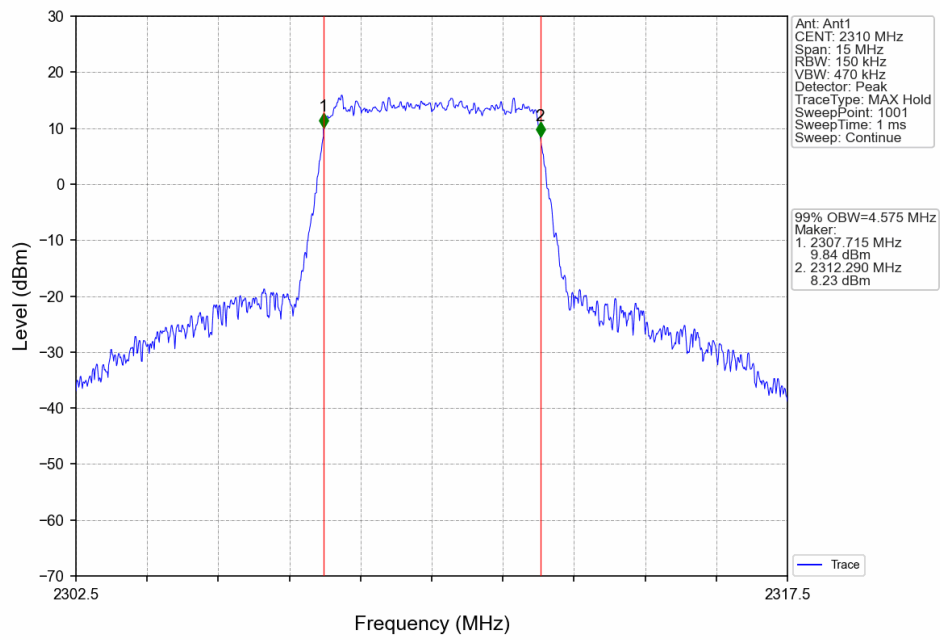
Band30 5MHz QPSK HCH 2312.5MHz RB 25 0 NTNV



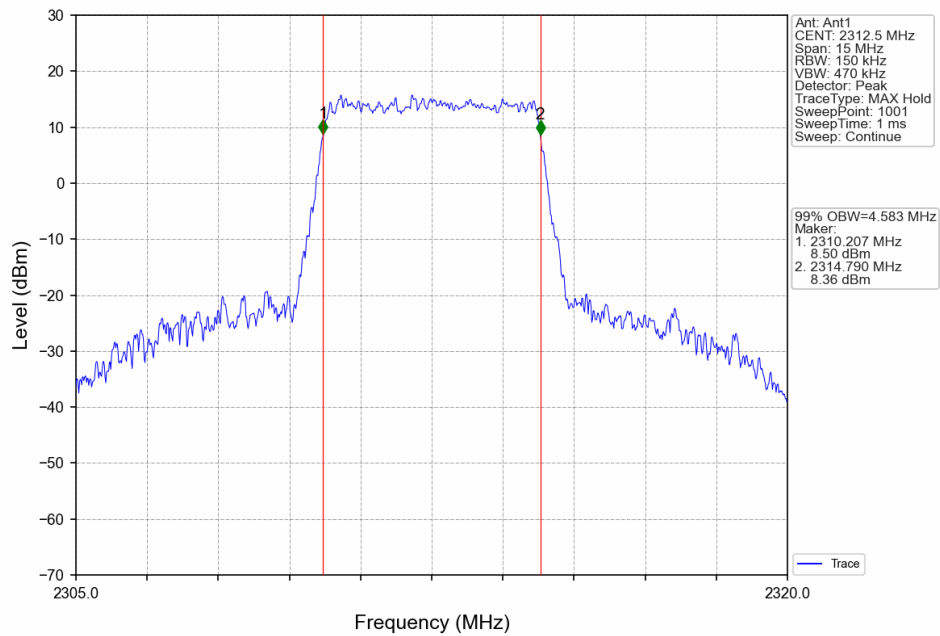
Band30 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTNV



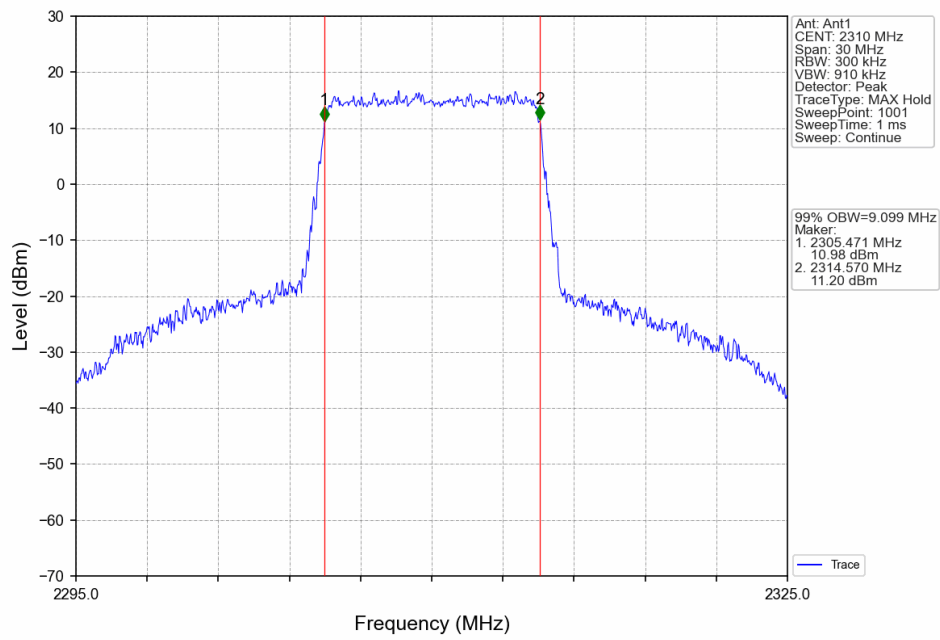
Band30 5MHz 16QAM MCH 2310MHz RB 25 0 NTNV



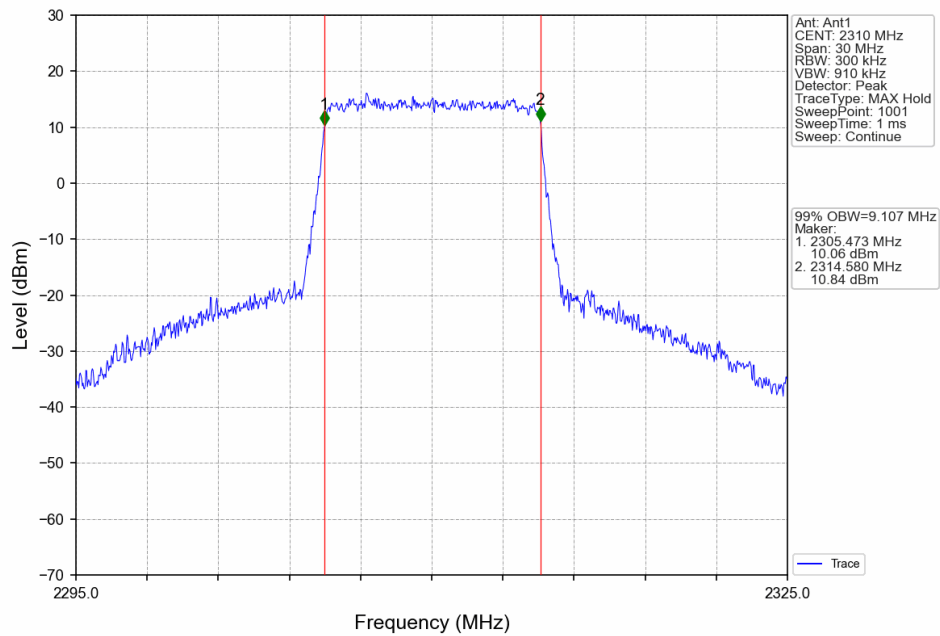
Band30 5MHz 16QAM HCH 2312.5MHz RB 25 0 NTNV



Band30_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV

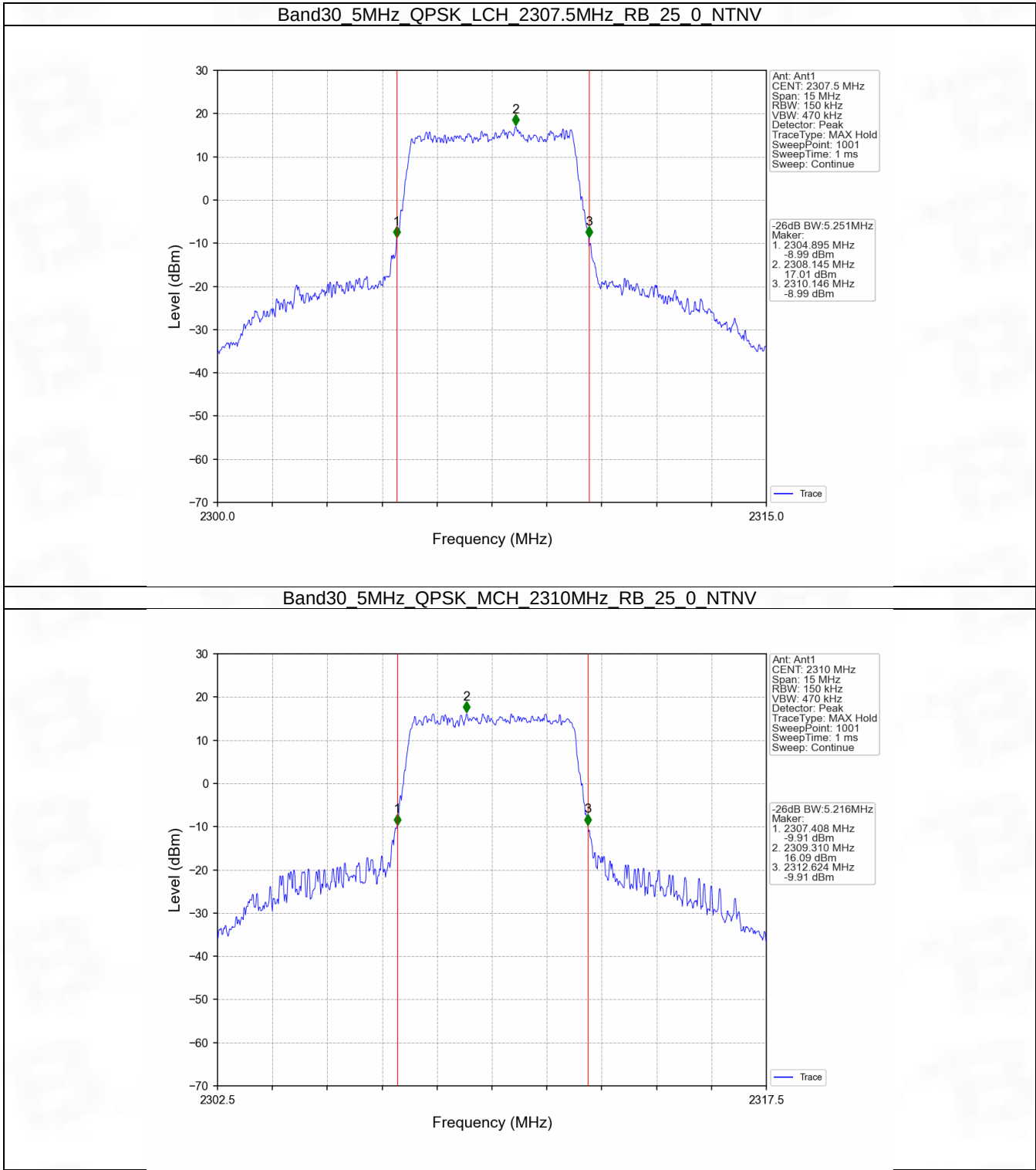


4.2 Band30_XDB

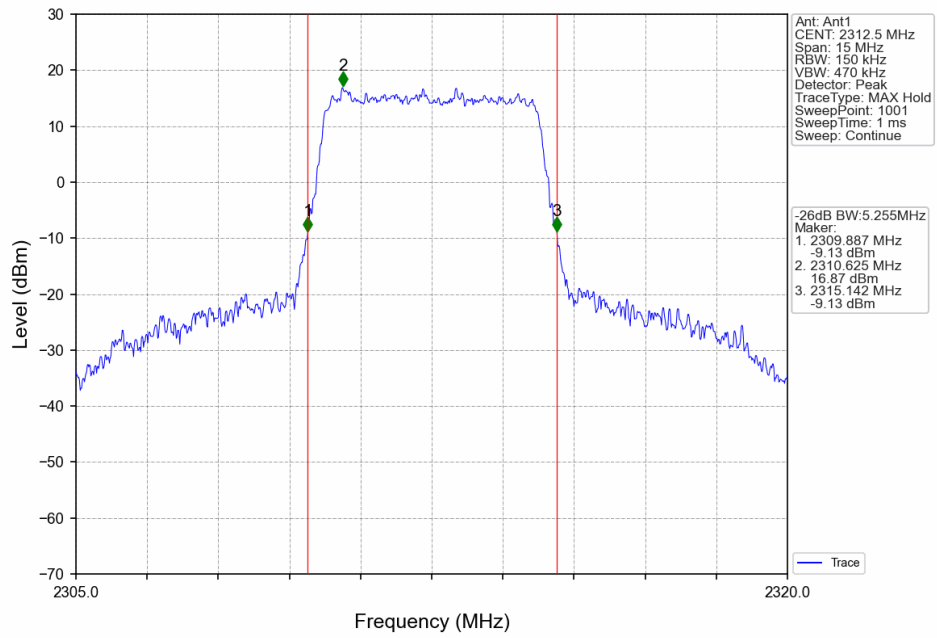
4.2.1 Test Result

Band: 30 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2307.5	25	0	5.251	Pass
		2310	25	0	5.216	Pass
		2312.5	25	0	5.255	Pass
	16QAM	2307.5	25	0	5.311	Pass
		2310	25	0	5.256	Pass
		2312.5	25	0	5.315	Pass
10	QPSK	2310	50	0	10.220	Pass
	16QAM	2310	50	0	10.173	Pass

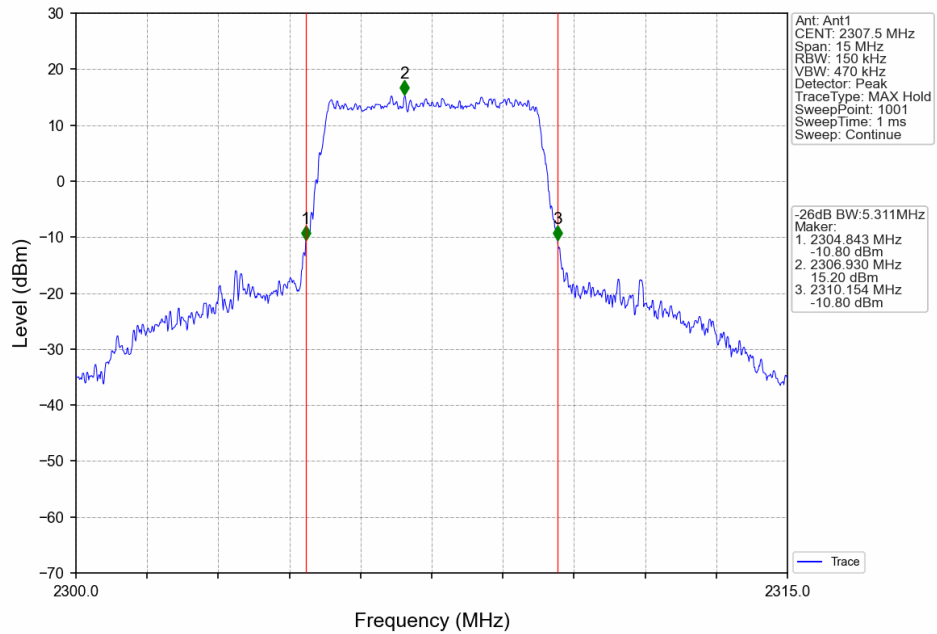
4.2.2 Test Graph



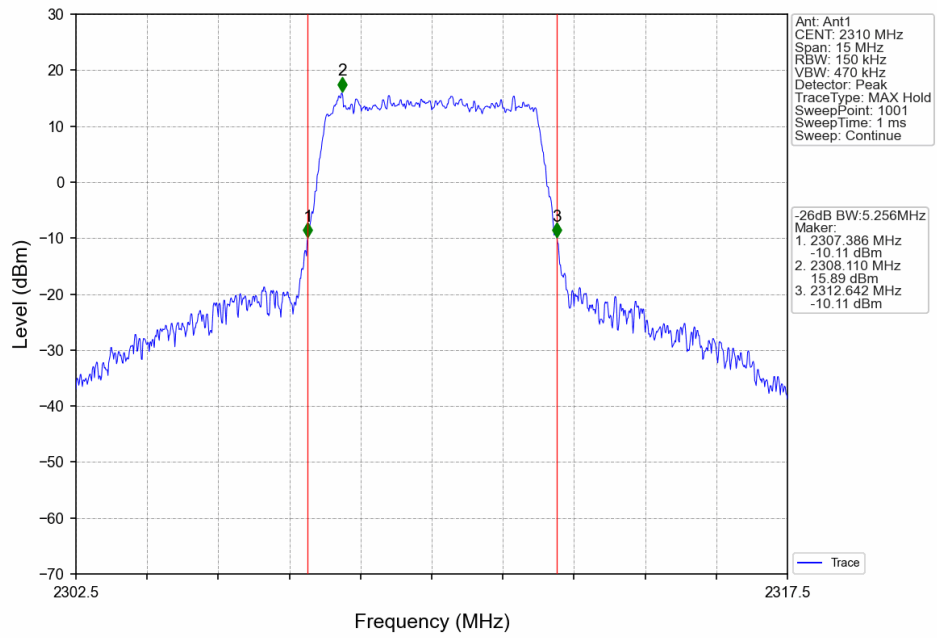
Band30 5MHz QPSK HCH 2312.5MHz RB 25 0 NTNV



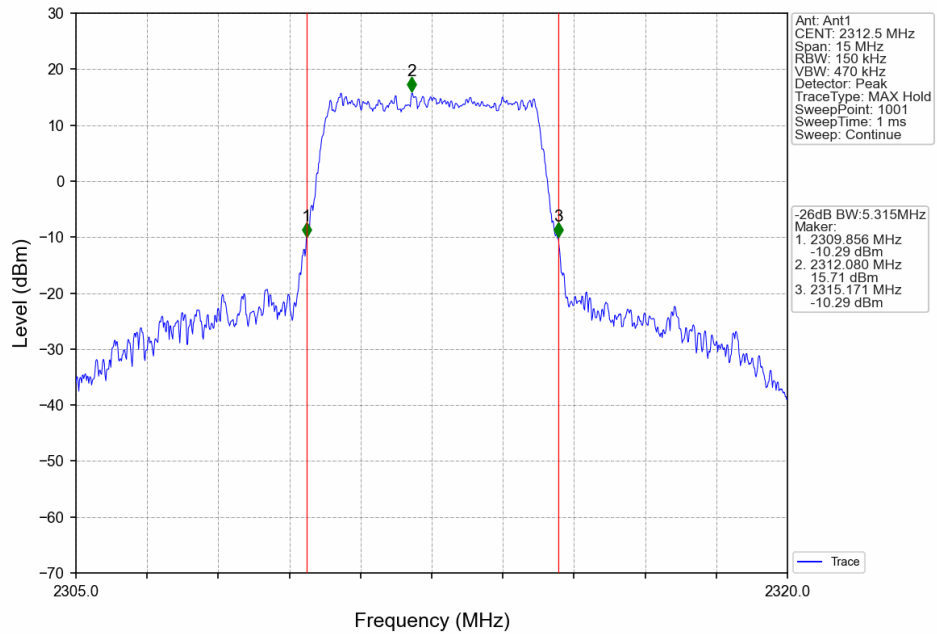
Band30 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTNV



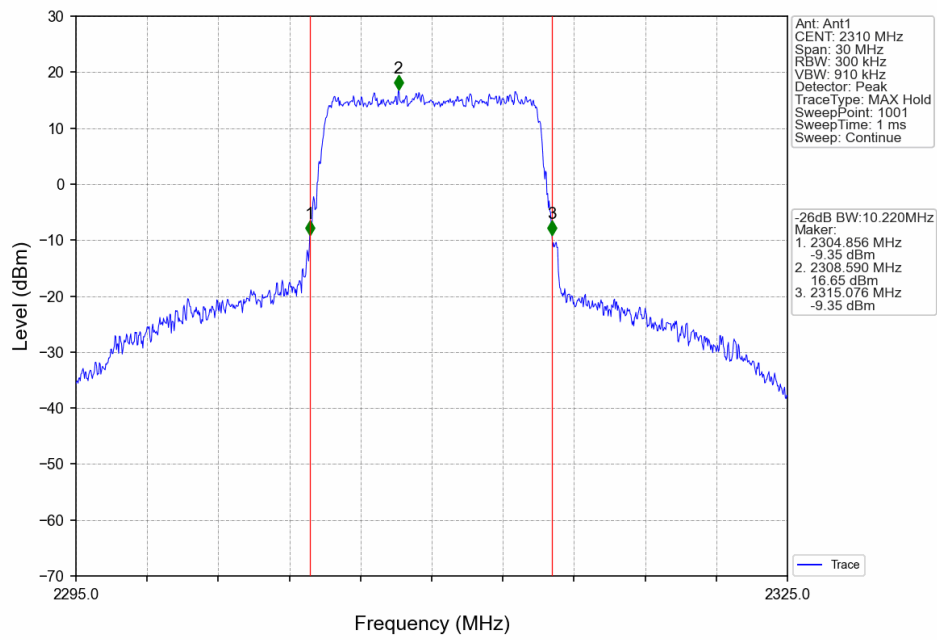
Band30 5MHz 16QAM MCH 2310MHz RB 25 0 NTNV



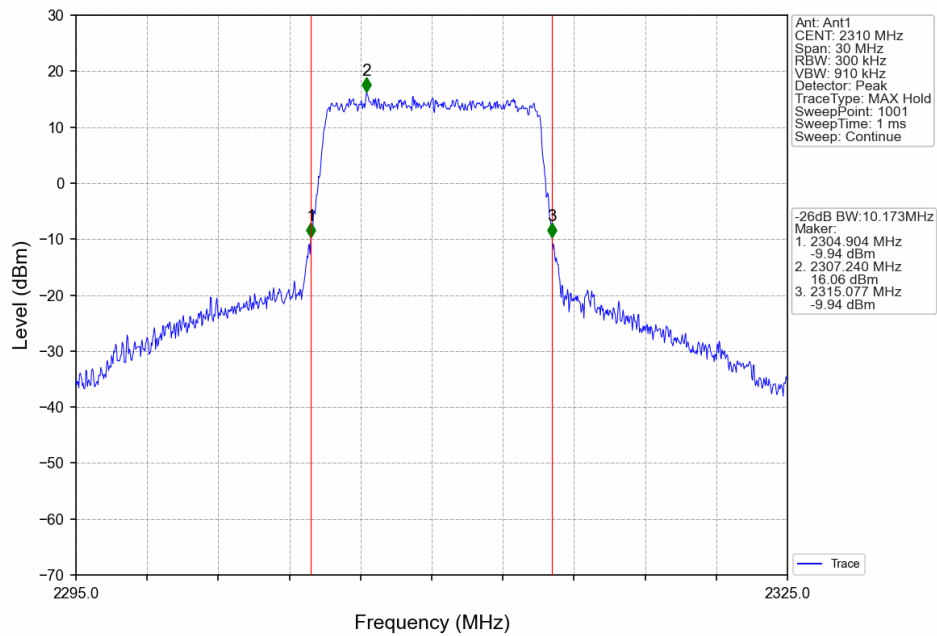
Band30 5MHz 16QAM HCH 2312.5MHz RB 25 0 NTNV



Band30_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



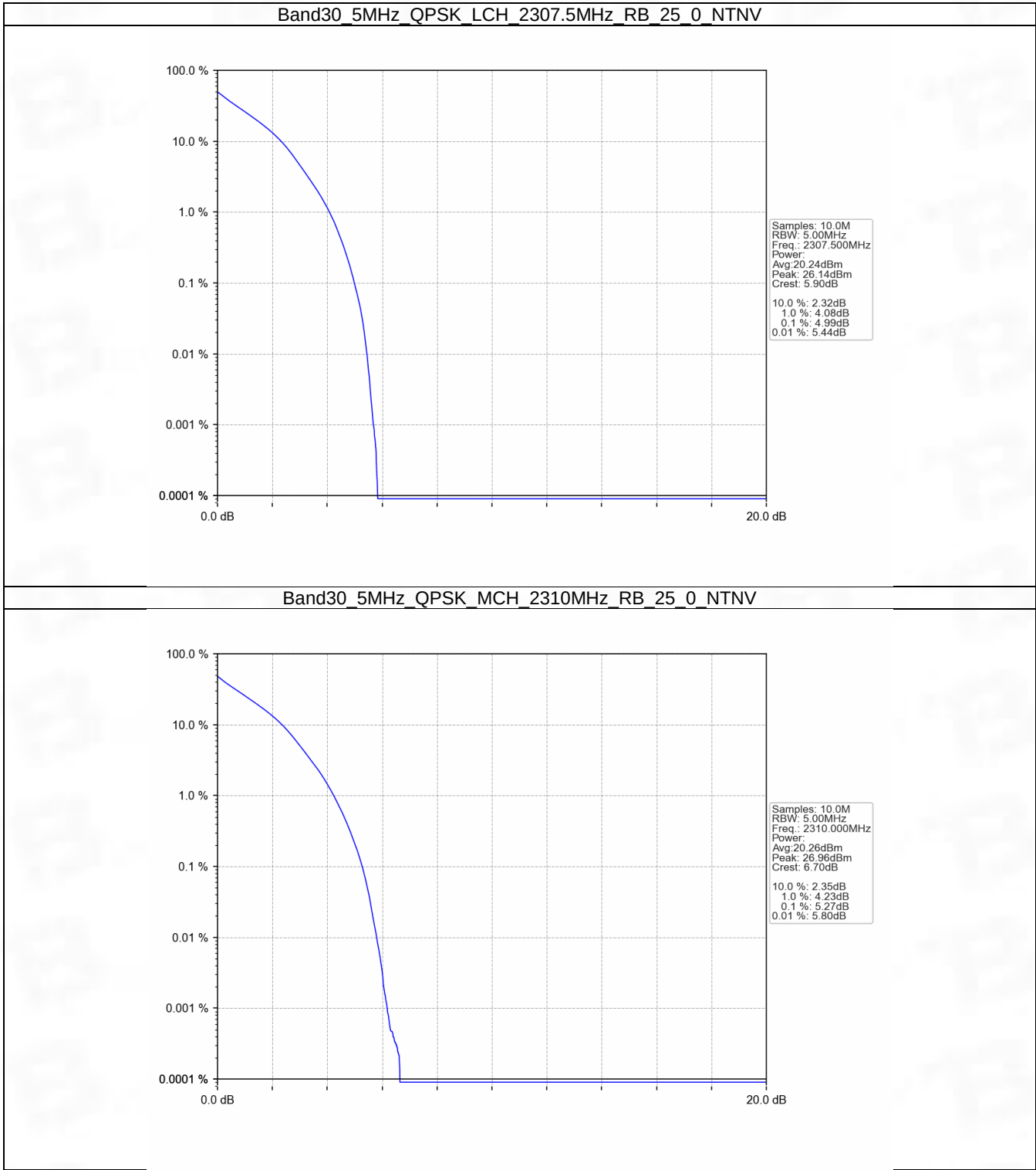
5. Peak-Average Ratio

5.1 B30_5MHz

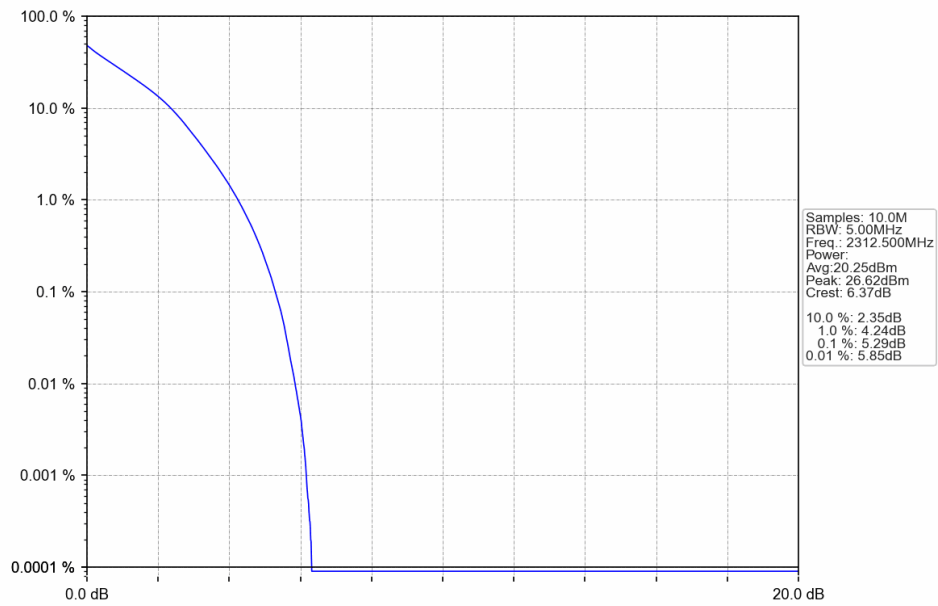
5.1.1 Test Result

Band: 30 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2307.5	25	0	4.99	<=13	Pass
	2310	25	0	5.27	<=13	Pass
	2312.5	25	0	5.29	<=13	Pass
16QAM	2307.5	25	0	5.73	<=13	Pass
	2310	25	0	5.98	<=13	Pass
	2312.5	25	0	6.00	<=13	Pass

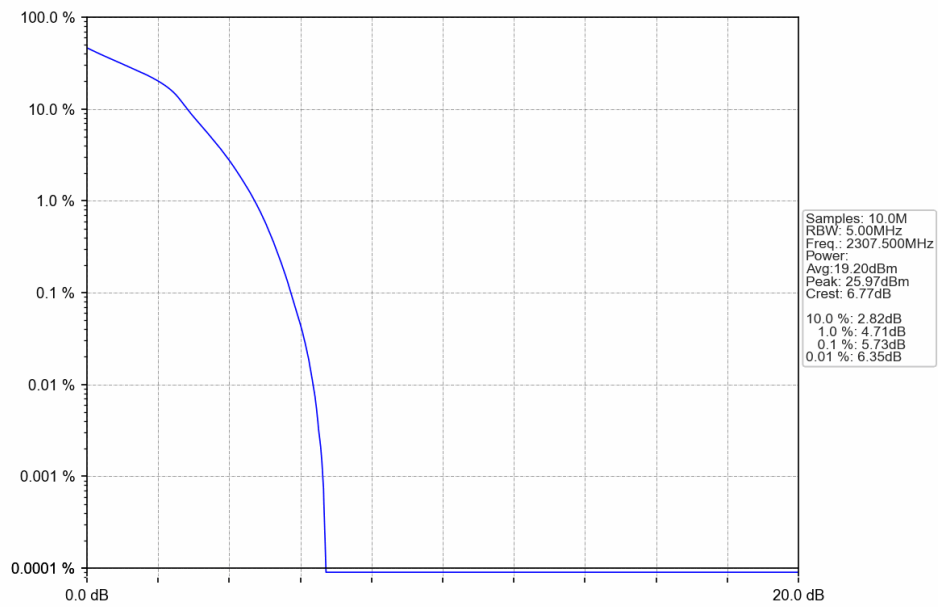
5.1.2 Test Graph



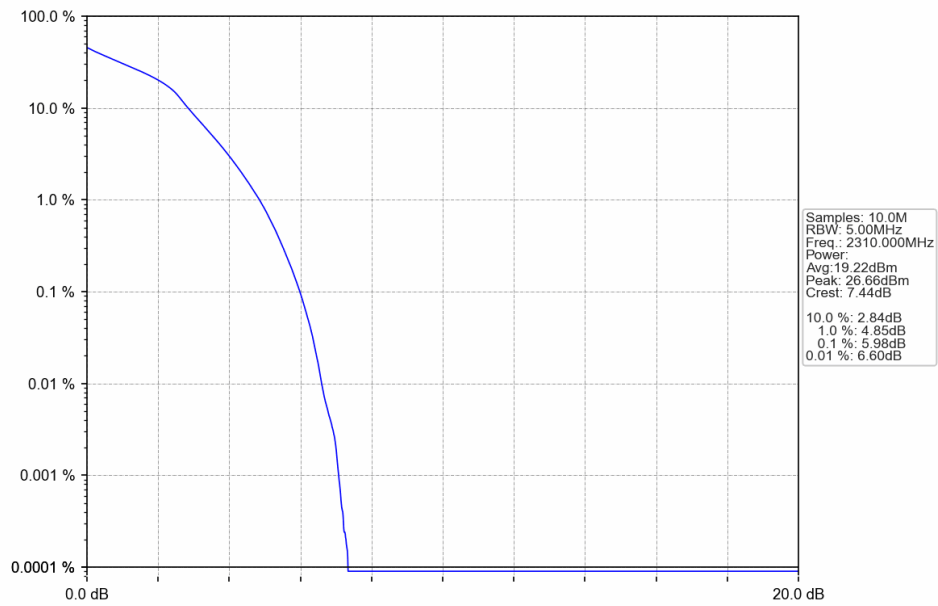
Band30 5MHz QPSK HCH 2312.5MHz RB 25 0 NTNV



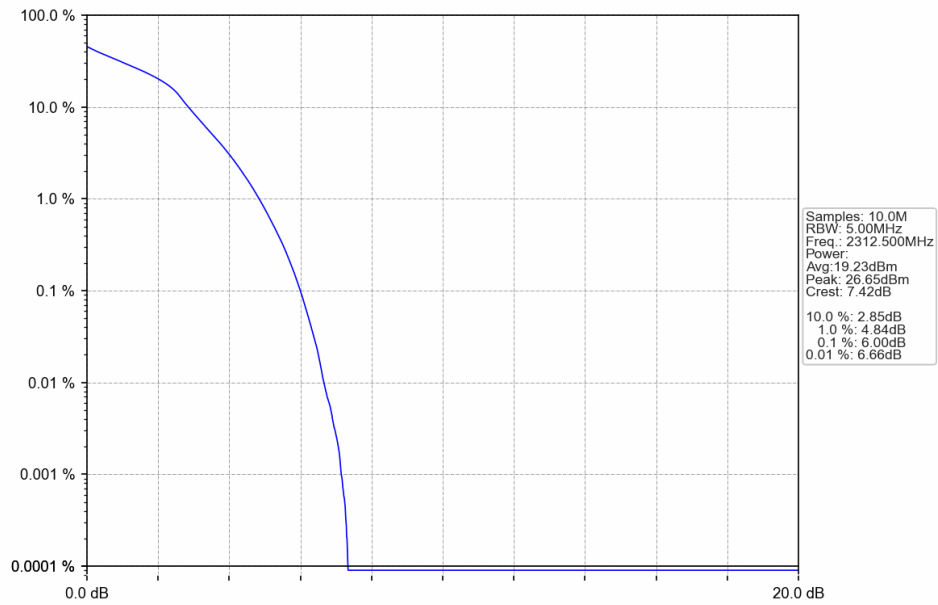
Band30 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTNV



Band30 5MHz 16QAM MCH 2310MHz RB 25 0 NTNV



Band30 5MHz 16QAM HCH 2312.5MHz RB 25 0 NTNV

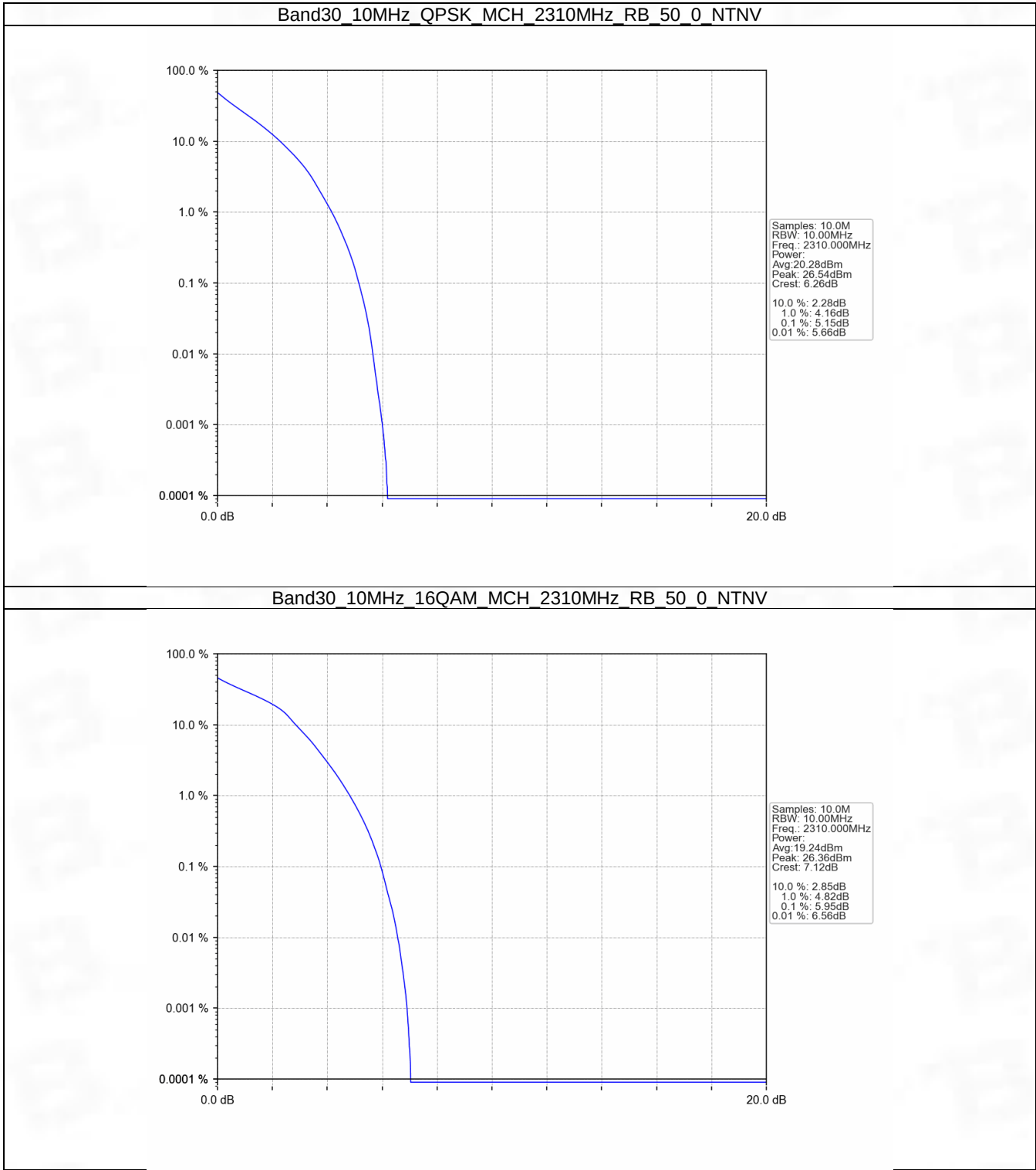


5.2 B30_10MHz

5.2.1 Test Result

Band: 30 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	50	0	5.15	<=13	Pass
16QAM	2310	50	0	5.95	<=13	Pass

5.2.2 Test Graph



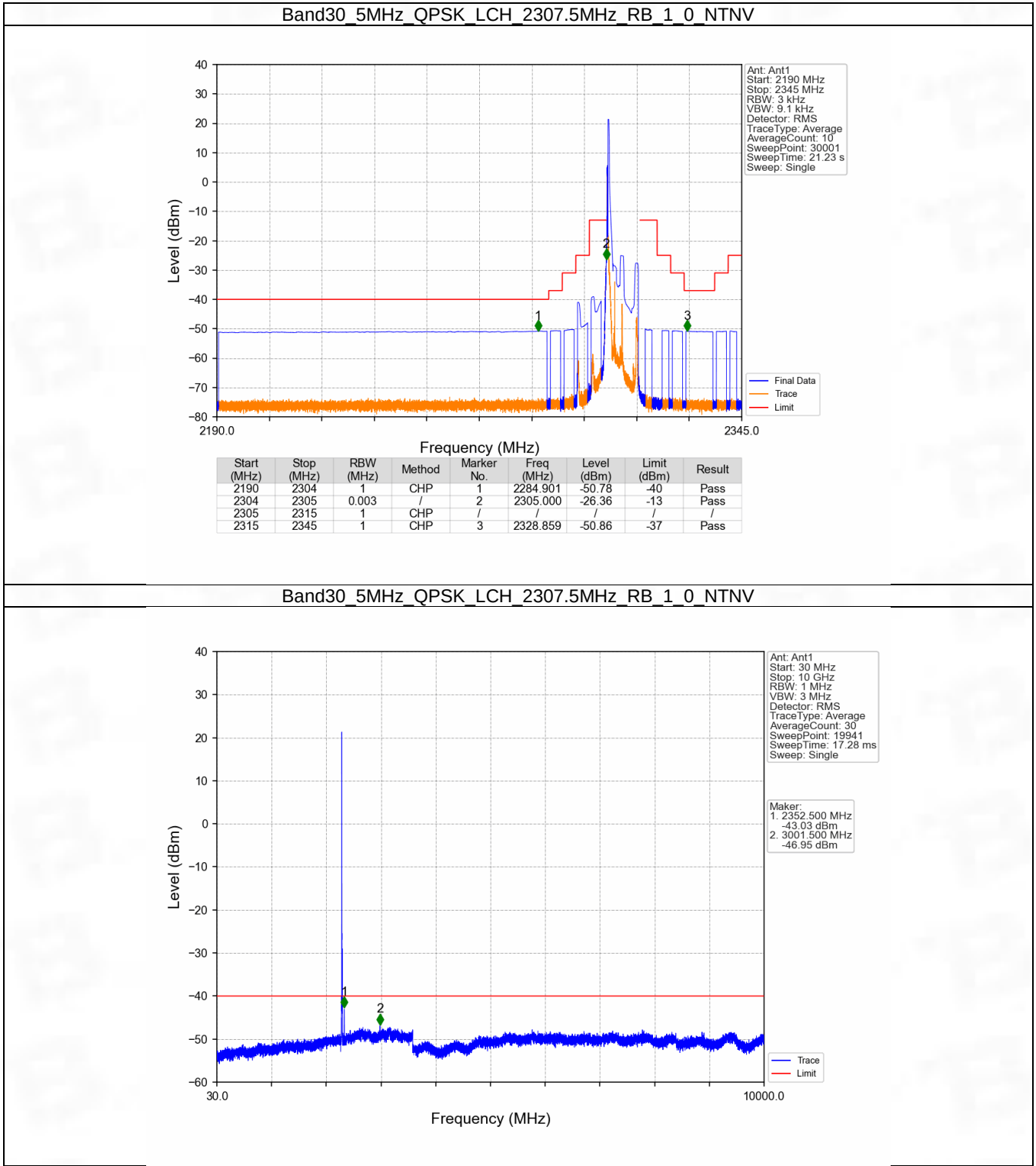
6. Spurious Emission

6.1 B30_5MHz

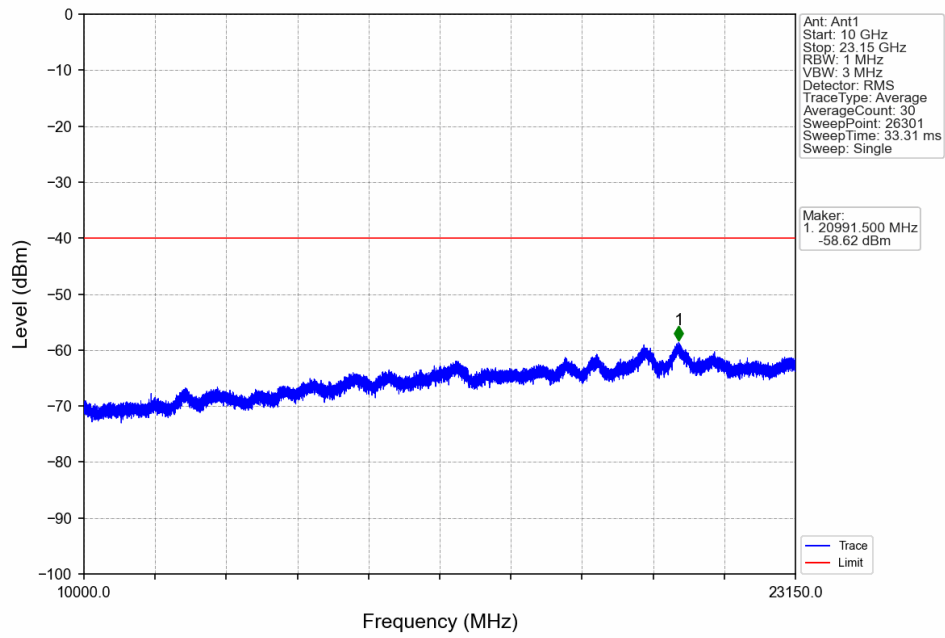
6.1.1 Test Result

Band: 30 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2307.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2310	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	2307.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2310	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2312.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

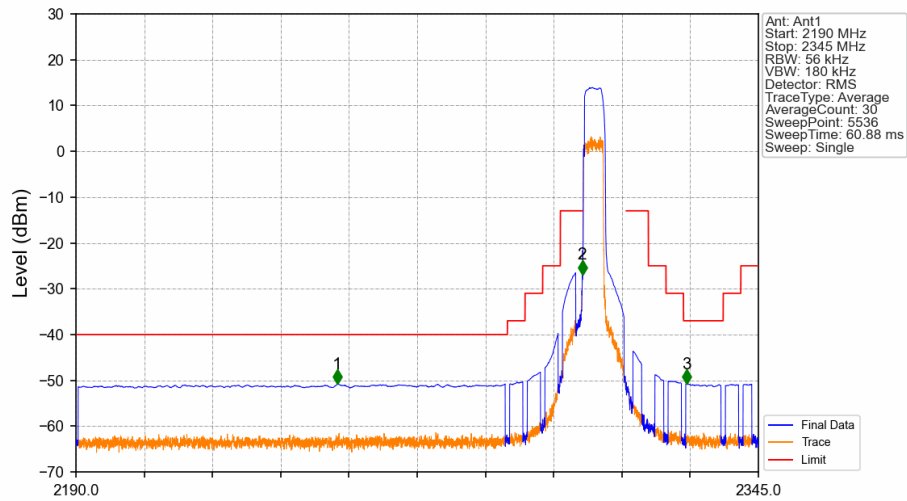
6.1.2 Test Graph



Band30 5MHz QPSK LCH 2307.5MHz RB 1 0 NTNV

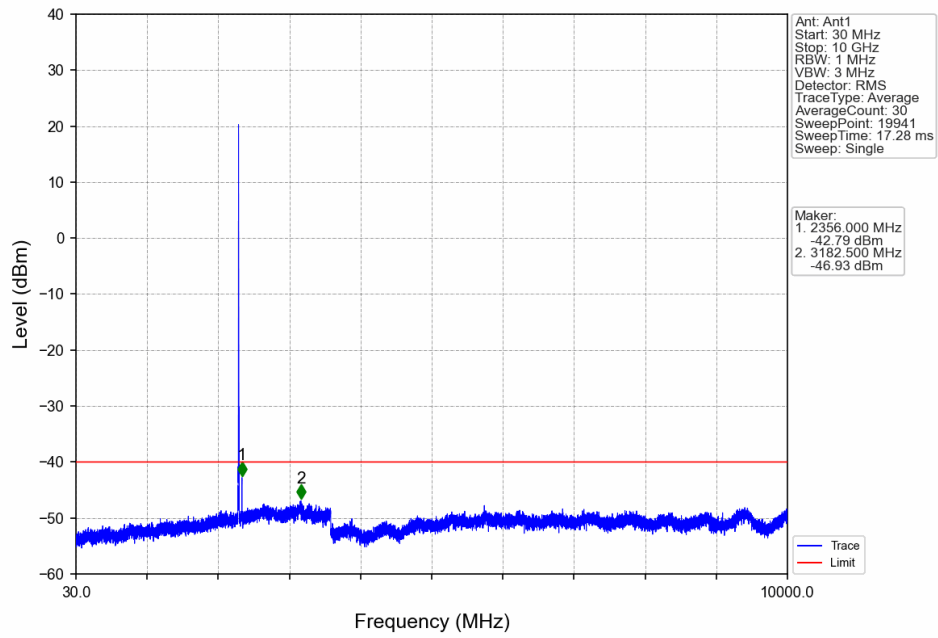


Band30 5MHz QPSK LCH 2307.5MHz RB 25 0 NTNV

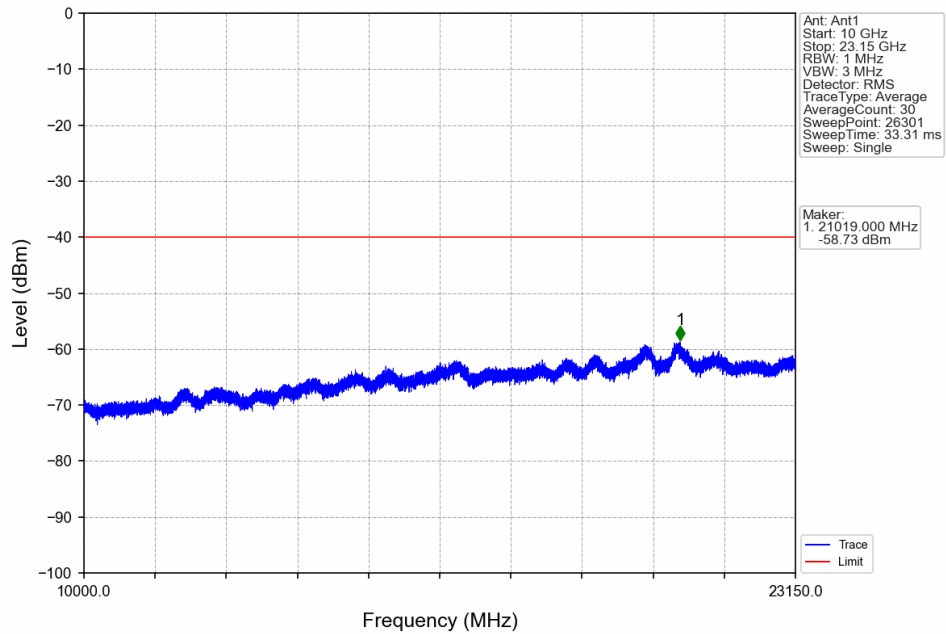


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2249.340	-50.76	-40	Pass
2304	2305	0.056	/	2	2304.983	-26.88	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2328.674	-50.73	-37	Pass

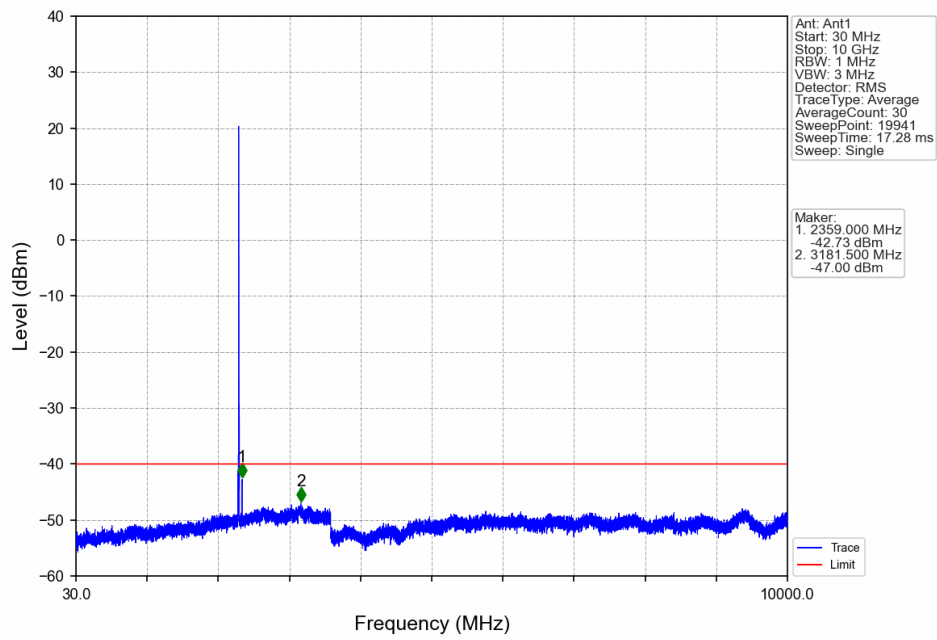
Band30 5MHz QPSK MCH 2310MHz RB 1 0 NTNV



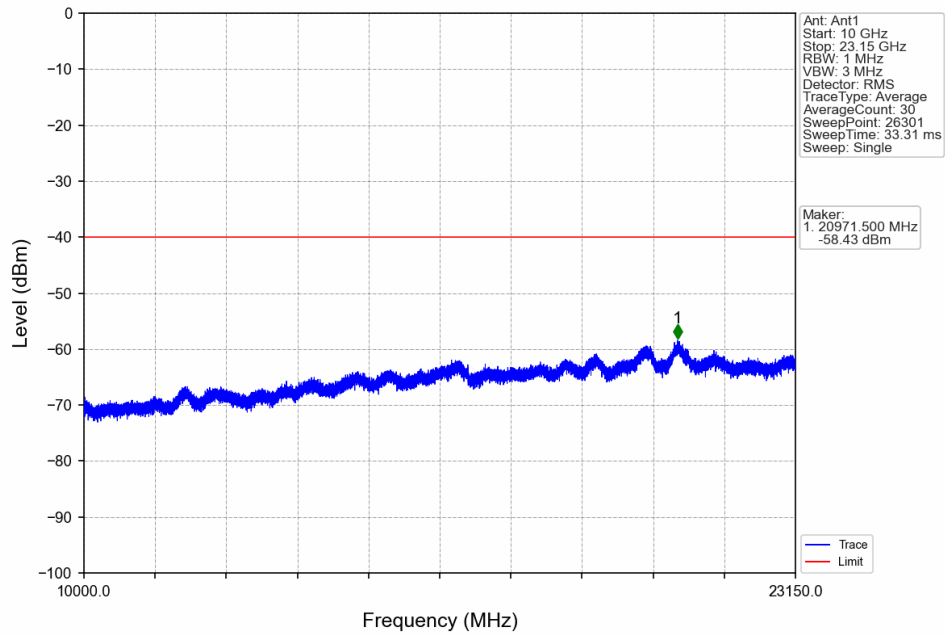
Band30 5MHz QPSK MCH 2310MHz RB 1 0 NTNV



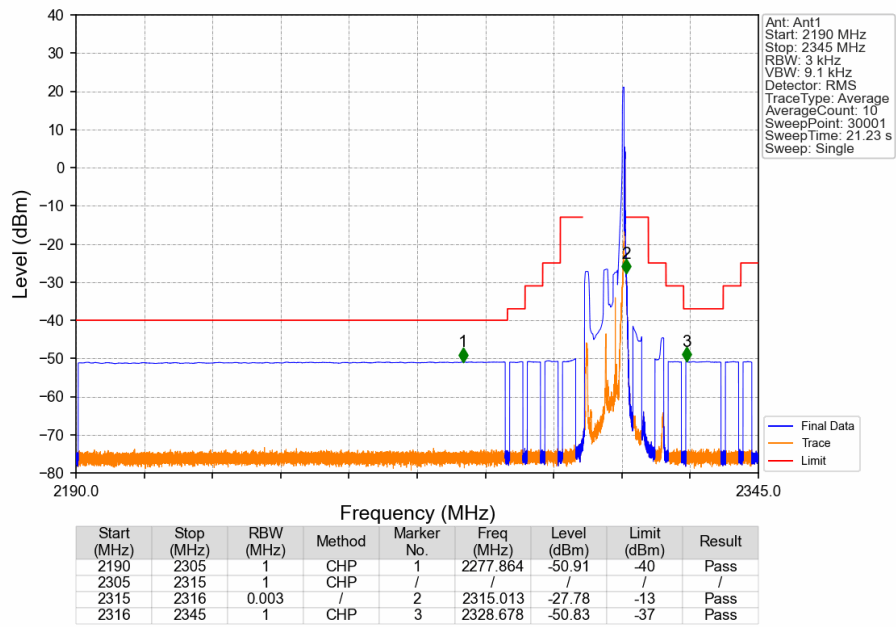
Band30 5MHz QPSK HCH 2312.5MHz RB 1 0 NTV



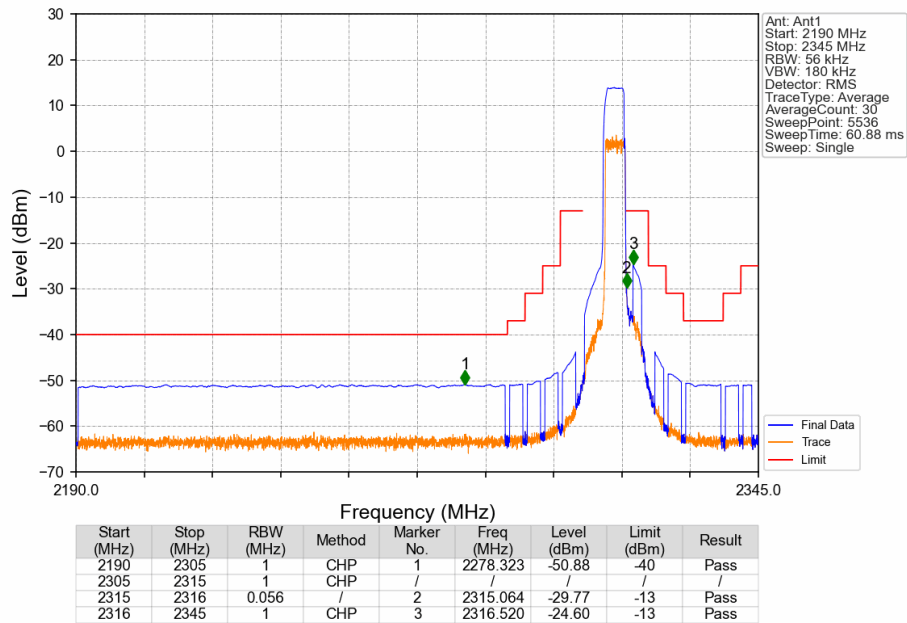
Band30 5MHz QPSK HCH 2312.5MHz RB 1 0 NTV



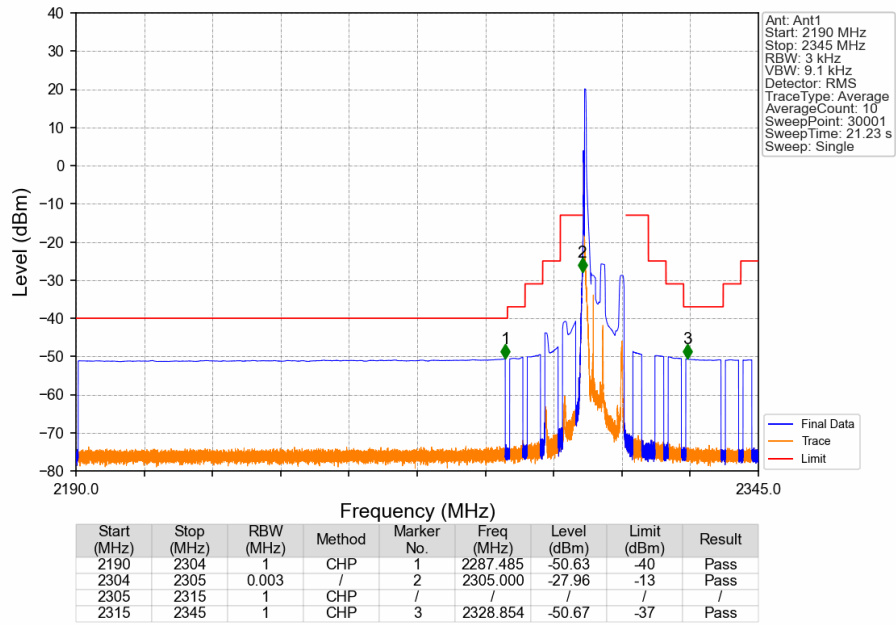
Band30 5MHz QPSK HCH 2312.5MHz RB 1 24 NTV



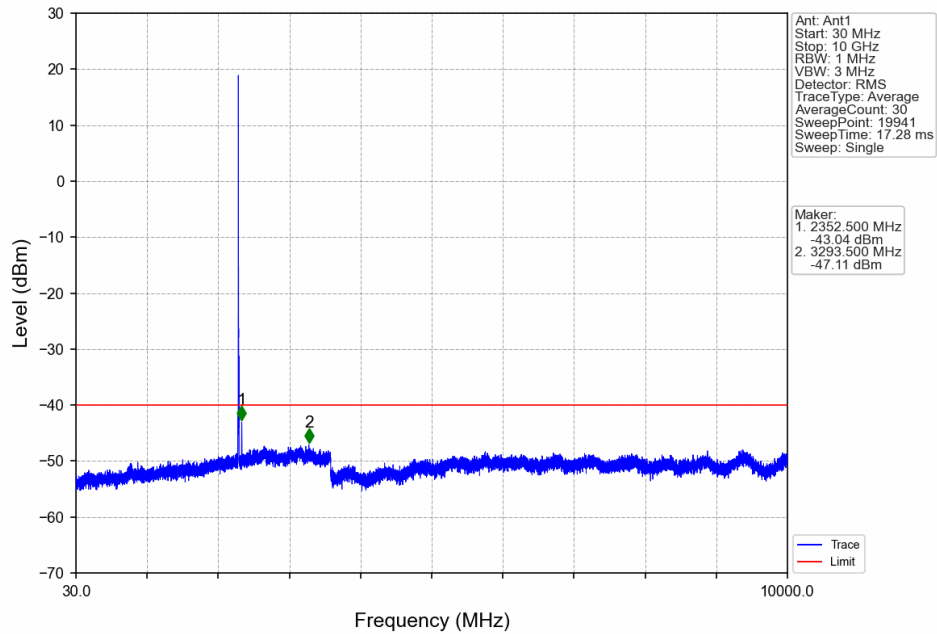
Band30 5MHz QPSK HCH 2312.5MHz RB 25 0 NTV



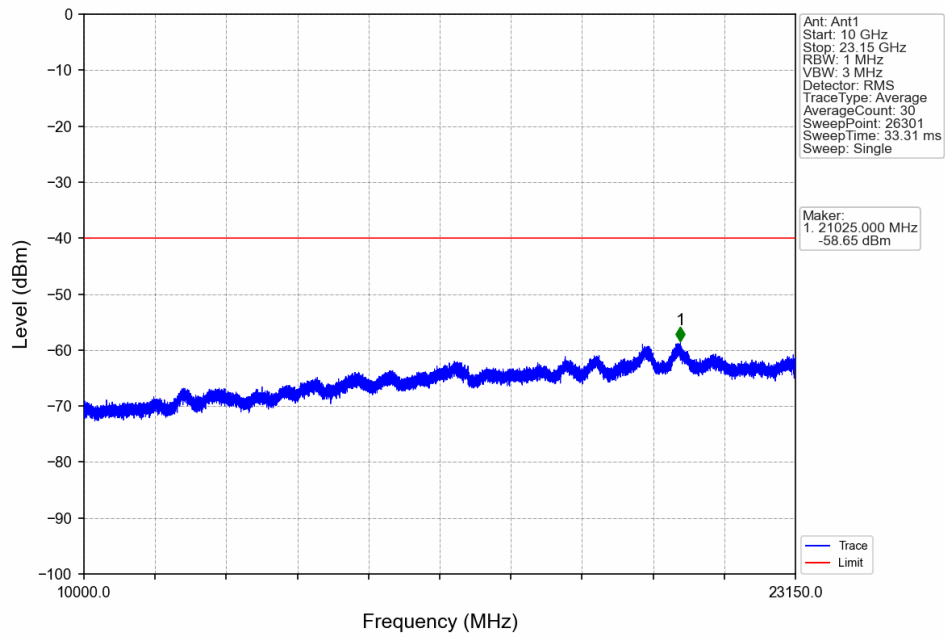
Band30 5MHz 16QAM LCH 2307.5MHz RB 1 0 NTNV



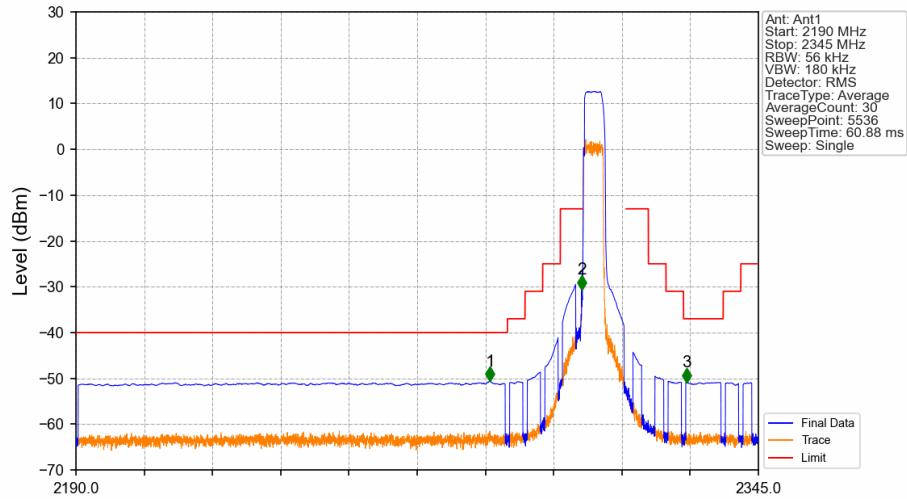
Band30 5MHz 16QAM LCH 2307.5MHz RB 1 0 NTNV



Band30 5MHz 16QAM LCH 2307.5MHz RB 1 0 NTV

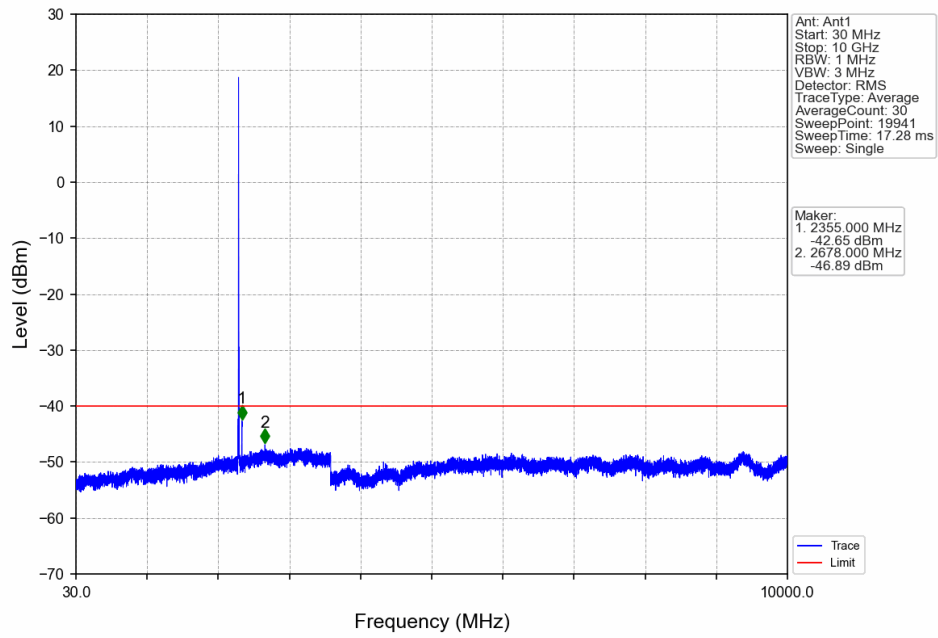


Band30 5MHz 16QAM LCH 2307.5MHz RB 25 0 NTV

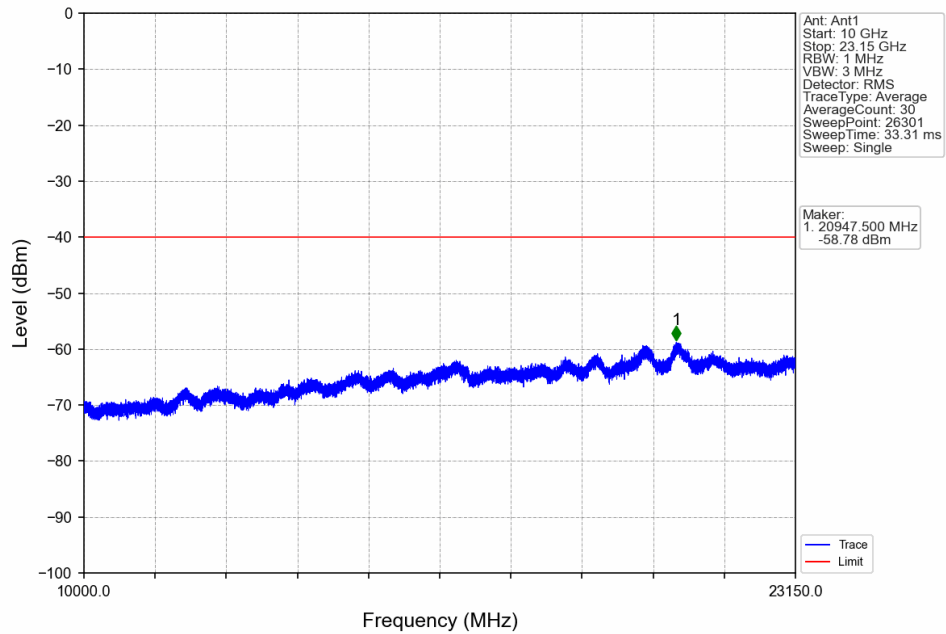


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2284.008	-50.65	-40	Pass
2304	2305	0.056	/	2	2304.871	-30.61	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2345	1	CHP	3	2328.758	-50.86	-37	Pass

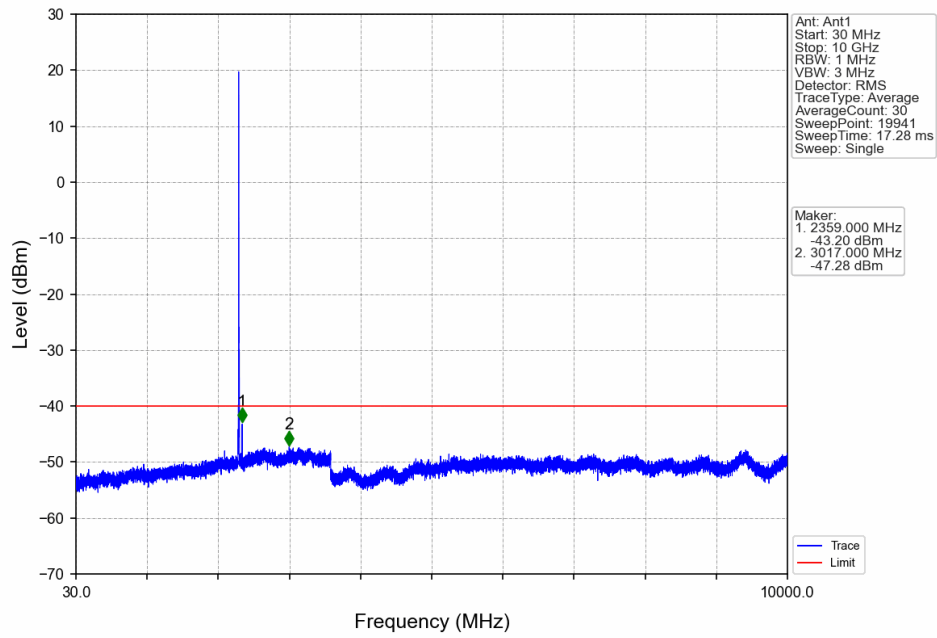
Band30 5MHz 16QAM MCH 2310MHz RB 1 0 NTNV



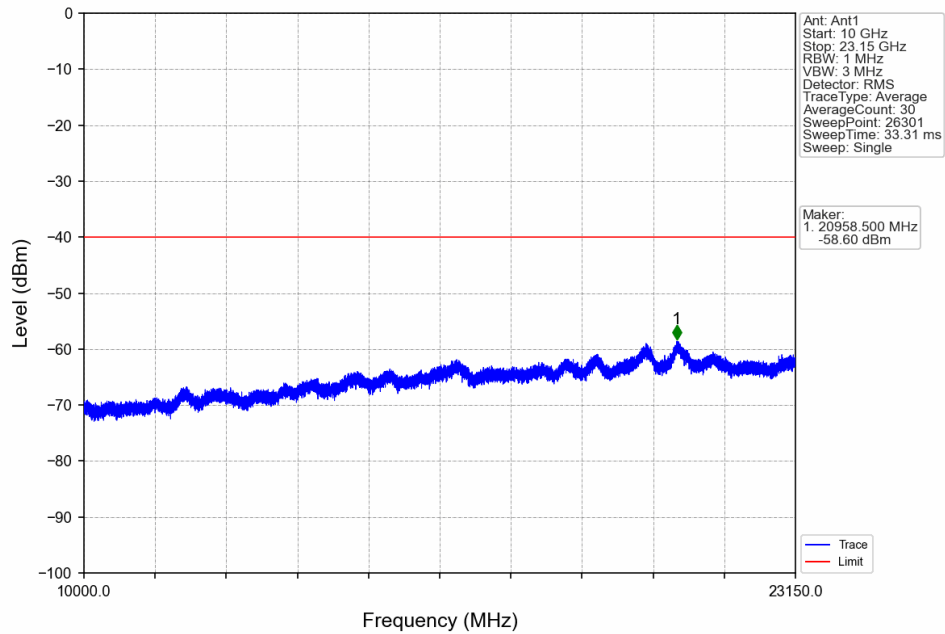
Band30 5MHz 16QAM MCH 2310MHz RB 1 0 NTNV



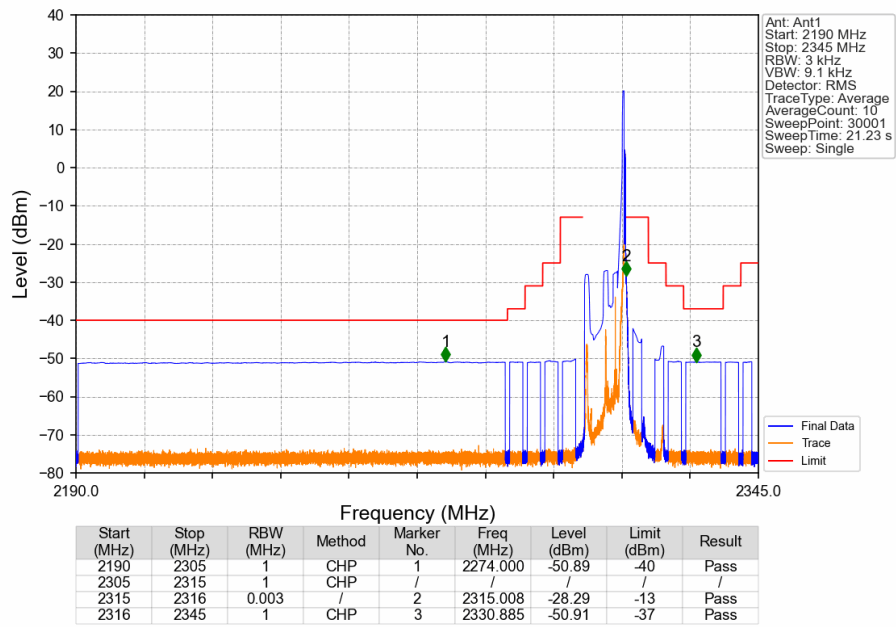
Band30 5MHz 16QAM HCH 2312.5MHz RB 1 0 NTNV



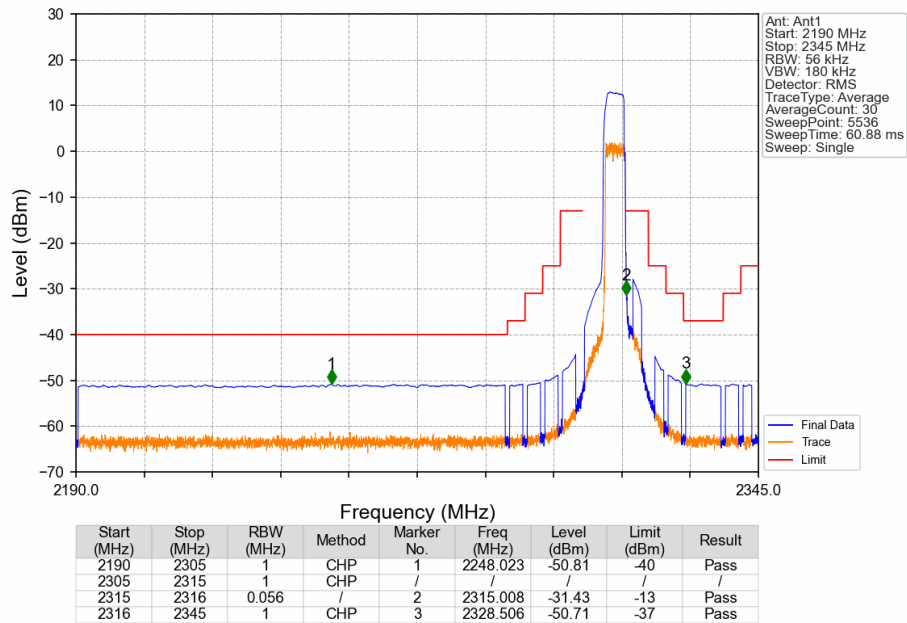
Band30 5MHz 16QAM HCH 2312.5MHz RB 1 0 NTNV



Band30 5MHz 16QAM HCH 2312.5MHz RB 1 24 NTN



Band30 5MHz 16QAM HCH 2312.5MHz RB 25 0 NTN

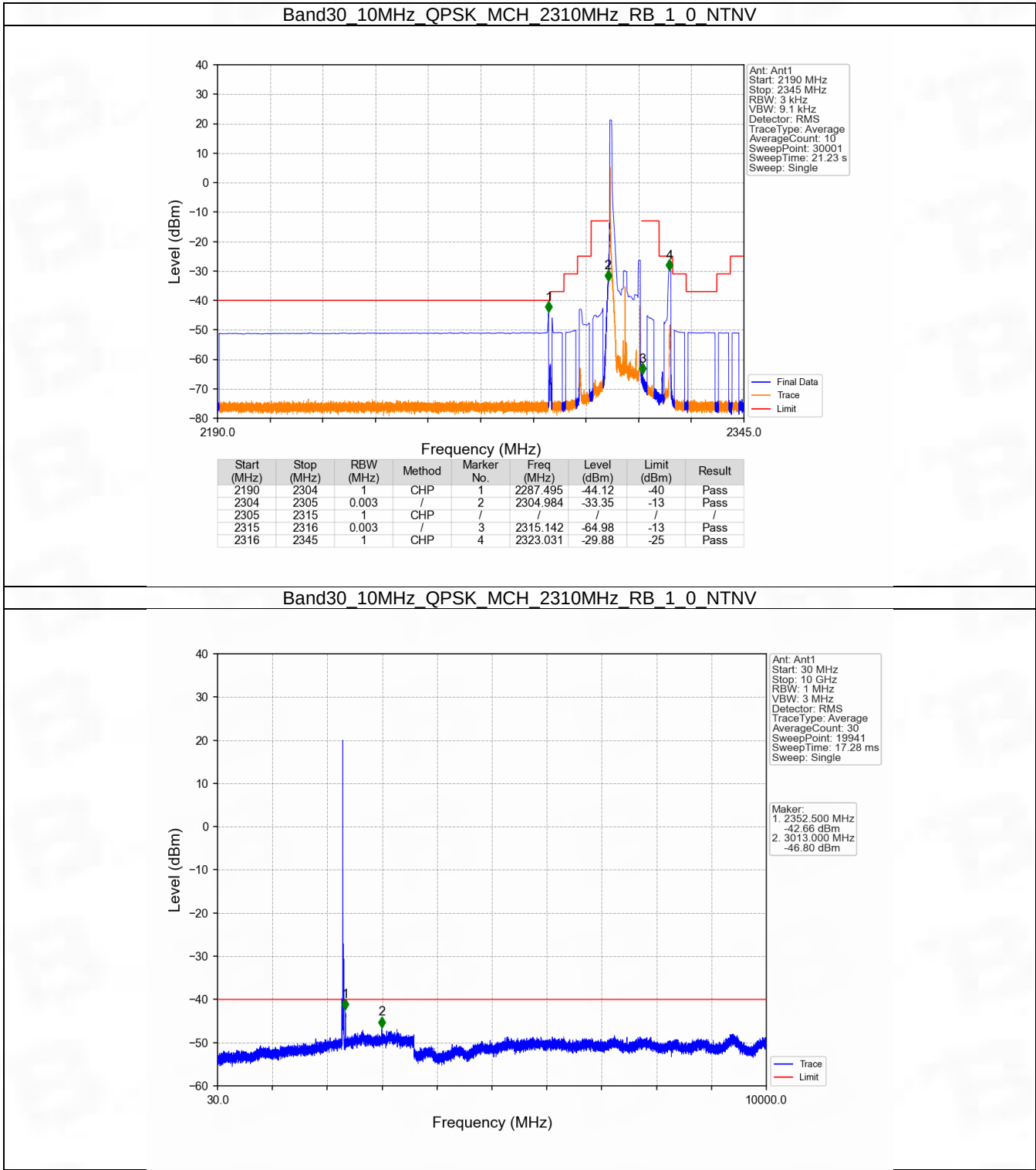


6.2 B30_10MHz

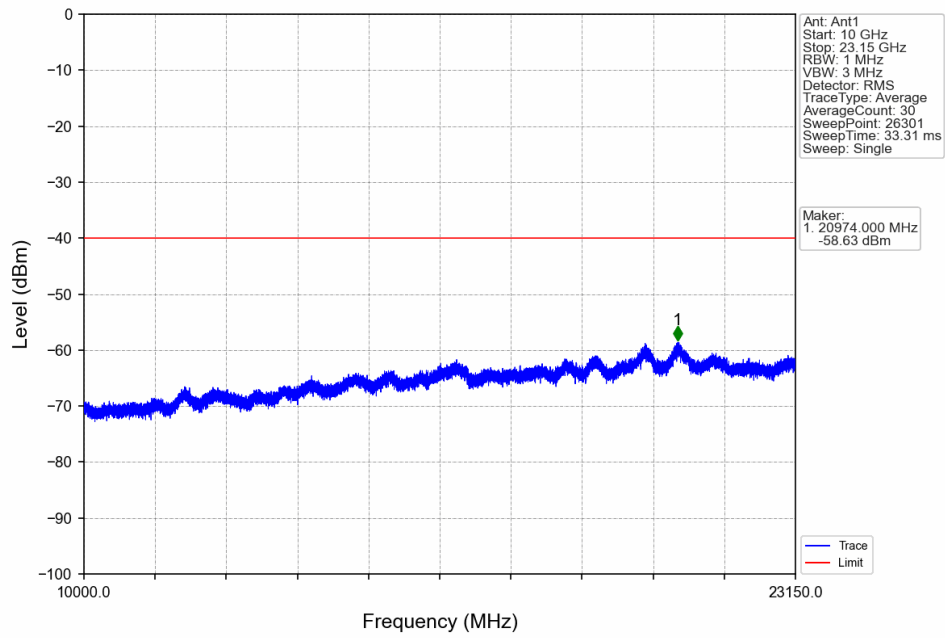
6.2.1 Test Result

Band: 30 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2310	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

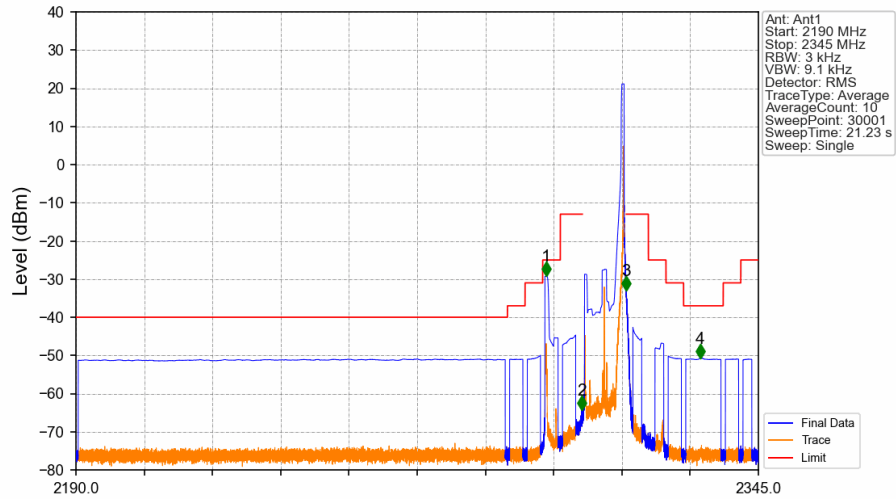
6.2.2 Test Graph



Band30 10MHz QPSK MCH 2310MHz RB 1 0 NTNV

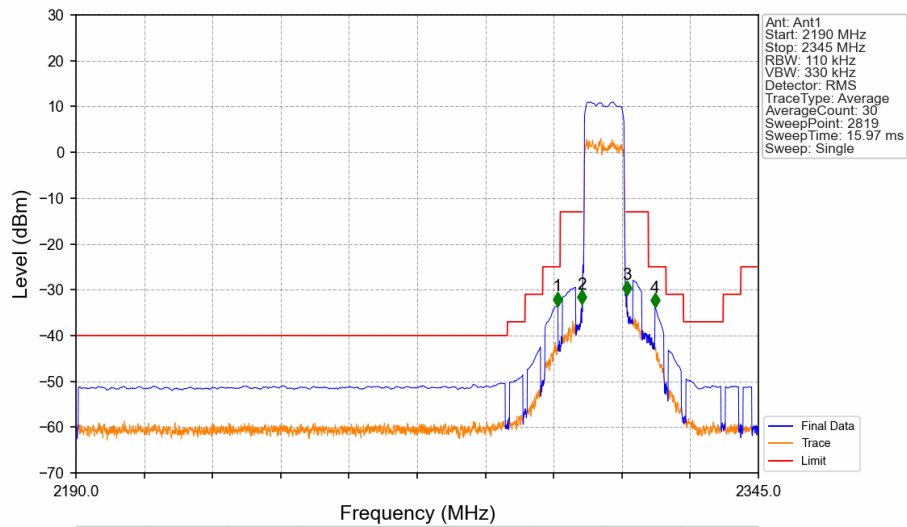


Band30 10MHz QPSK MCH 2310MHz RB 1 49 NTNV

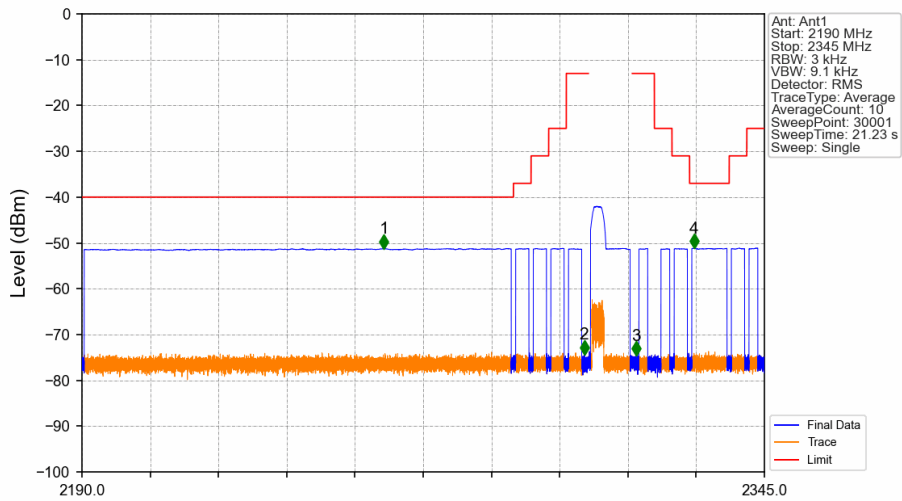


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2304	1	CHP	1	2296.759	-29.30	-25	Pass
2304	2305	0.003	/	2	2304.886	-64.32	-13	Pass
2305	2315	1	CHP	/	/	/	/	/
2315	2316	0.003	/	3	2315.008	-33.06	-13	Pass
2316	2345	1	CHP	4	2331.804	-50.74	-37	Pass

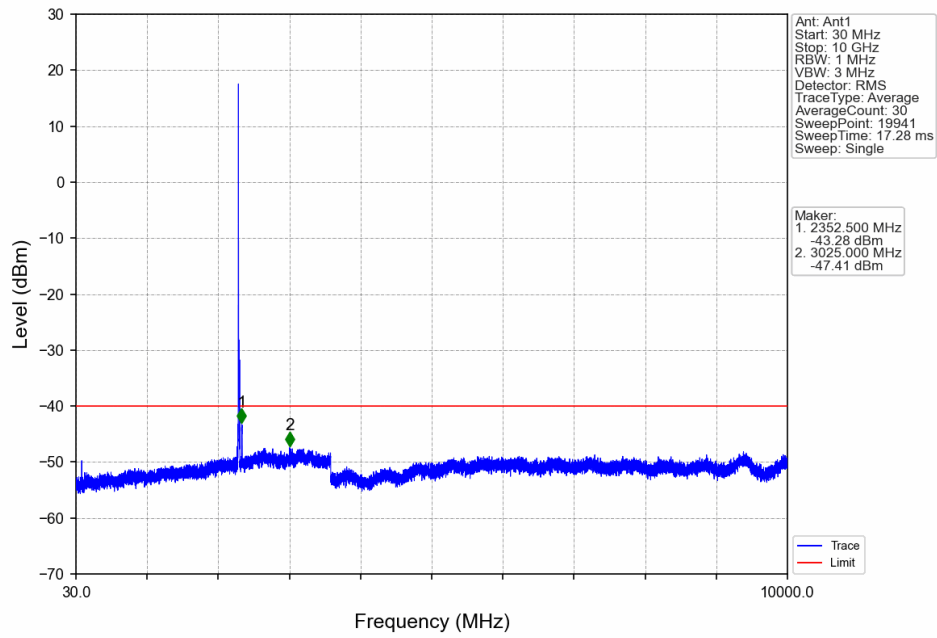
Band30 10MHz QPSK MCH 2310MHz RB 50 0 NTNV



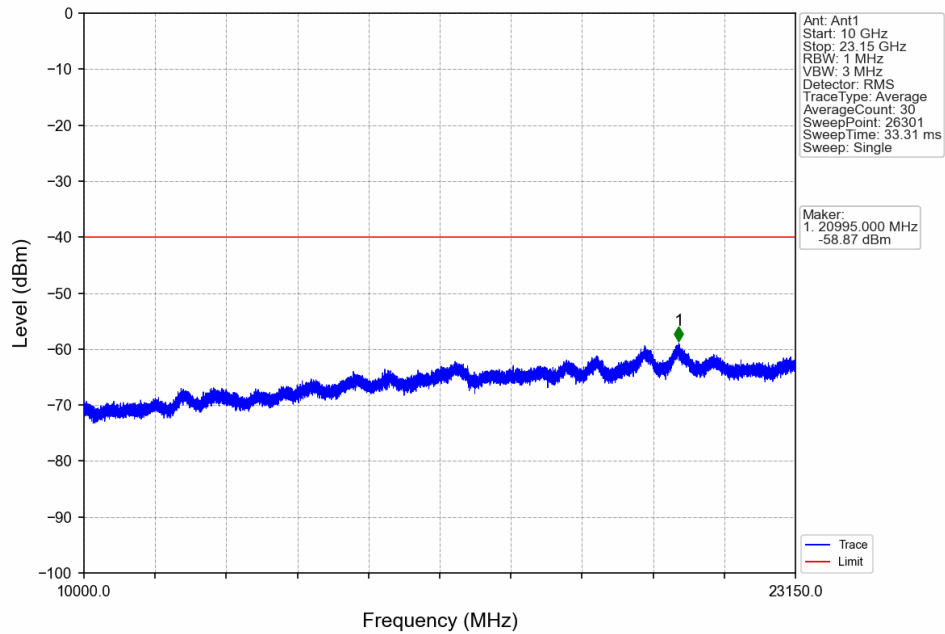
Band30 10MHz 16QAM MCH 2310MHz RB 1 0 NTNV



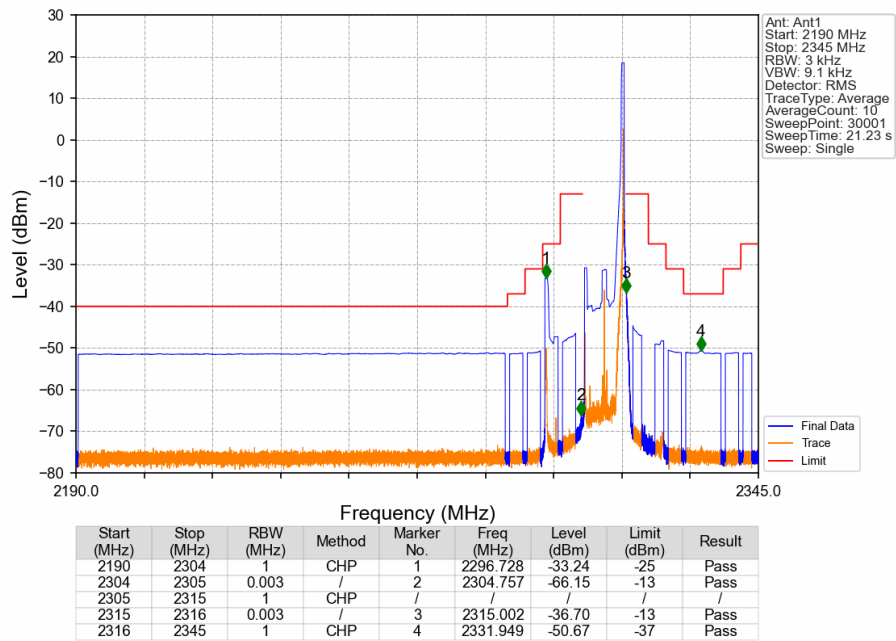
Band30 10MHz 16QAM MCH 2310MHz RB 1 0 NTNV



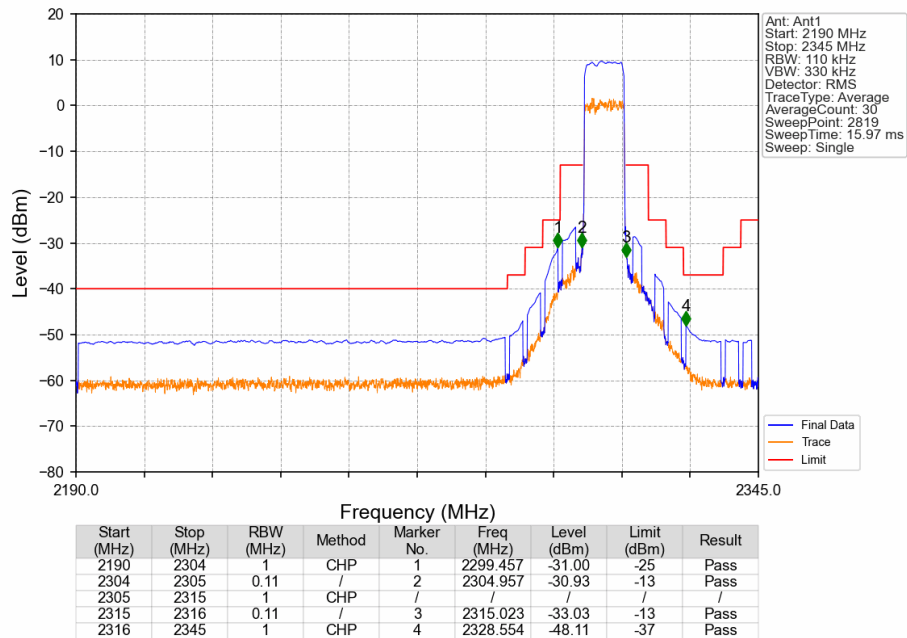
Band30 10MHz 16QAM MCH 2310MHz RB 1 0 NTNV



Band30 10MHz 16QAM MCH 2310MHz RB 1 49 NTNV



Band30 10MHz 16QAM MCH 2310MHz RB 50 0 NTNV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
30	5	2307.5	2312.5	0.1517	0.0096	ppm	4M58G7D	27D	21.81
30	5	2307.5	2312.5	0.1245	0.0539	ppm	4M59W7D	27D	20.95
30	10	2310	2310	0.1521	0.0064	ppm	9M10G7D	27D	21.82
30	10	2310	2310	0.1199	0.0180	ppm	9M11W7D	27D	20.79

7.2 Form731_EIRP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
30	5	2307.5	2312.5	0.1972	0.0096	ppm	4M58G7D	27D	22.95
30	5	2307.5	2312.5	0.1618	0.0539	ppm	4M59W7D	27D	22.09
30	10	2310	2310	0.1977	0.0064	ppm	9M10G7D	27D	22.96
30	10	2310	2310	0.1560	0.0180	ppm	9M11W7D	27D	21.93