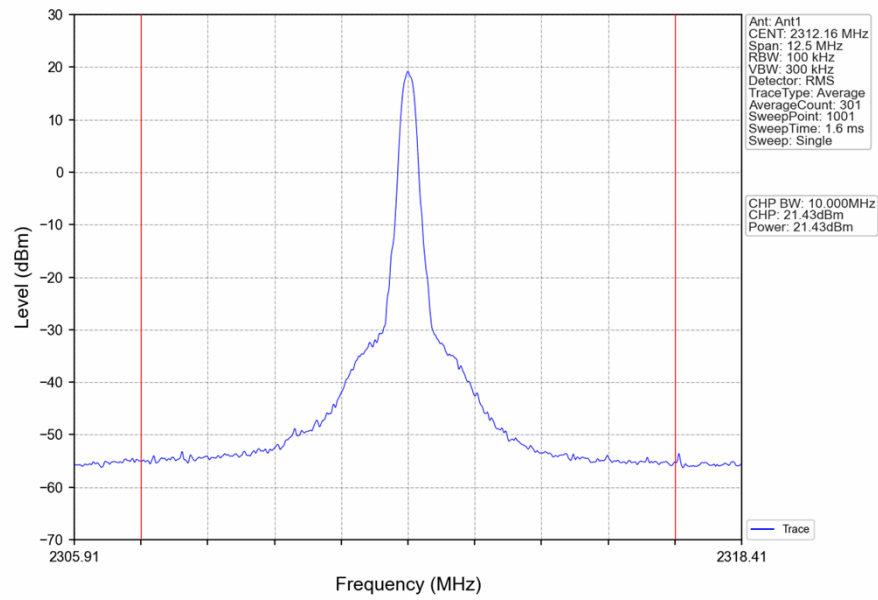
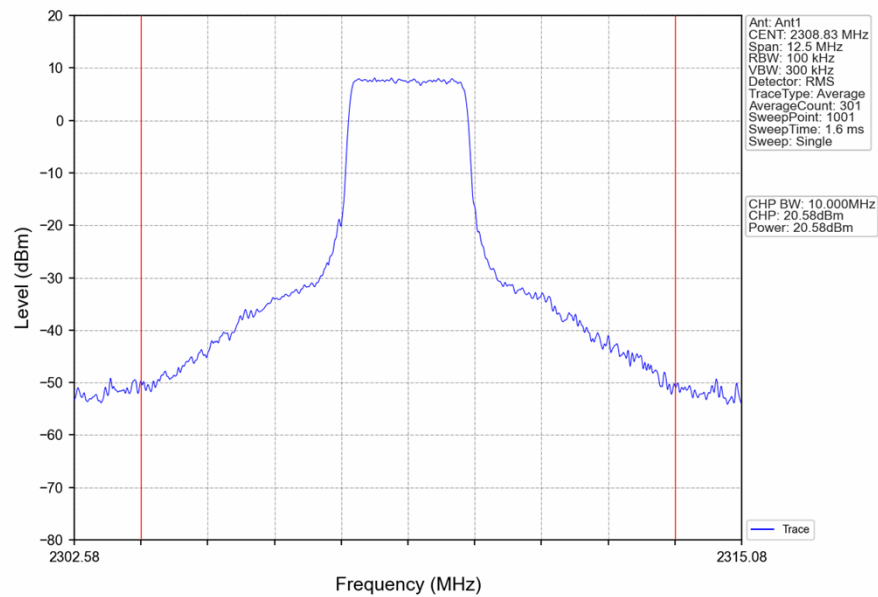


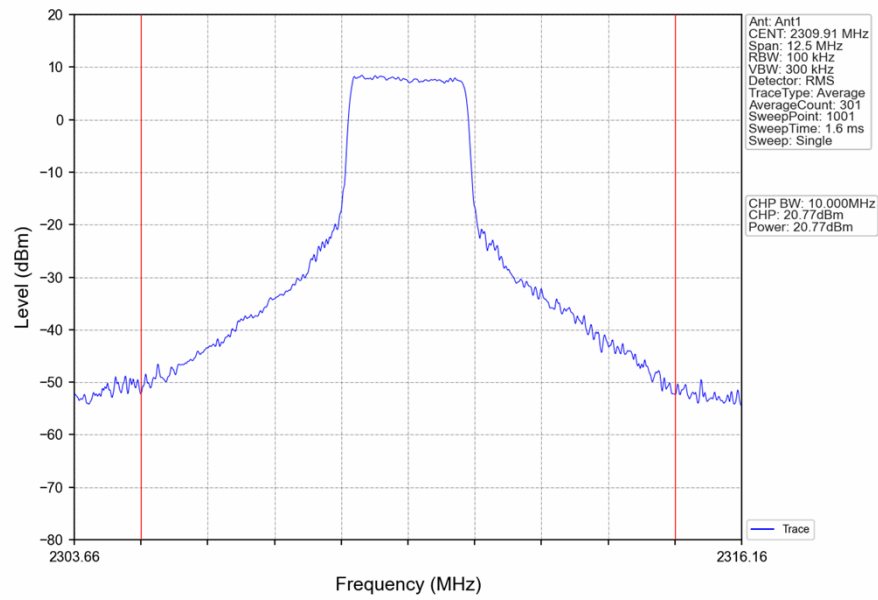
Band30_5MHz_16QAM_MCH_2310MHz_RB_1_24_NTNV



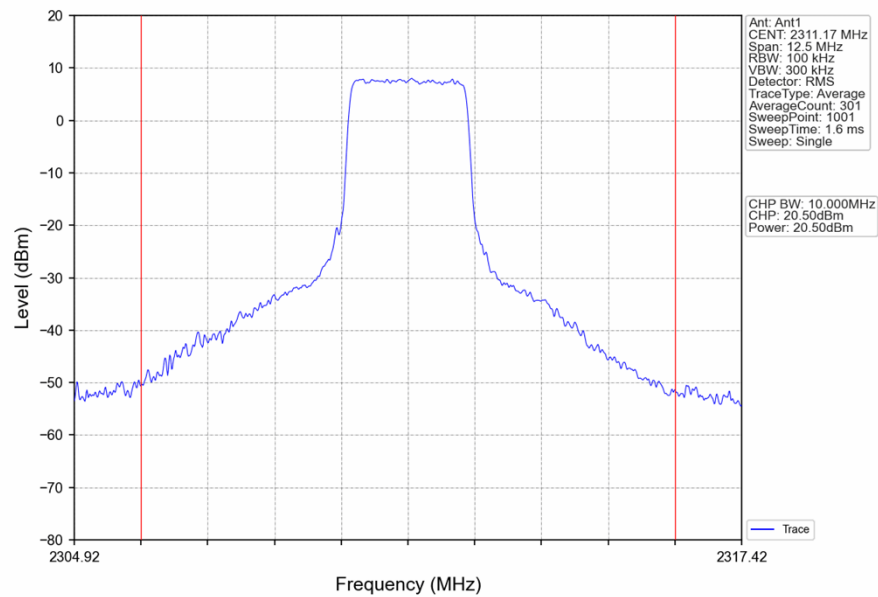
Band30_5MHz_16QAM_MCH_2310MHz_RB_12_0_NTNV



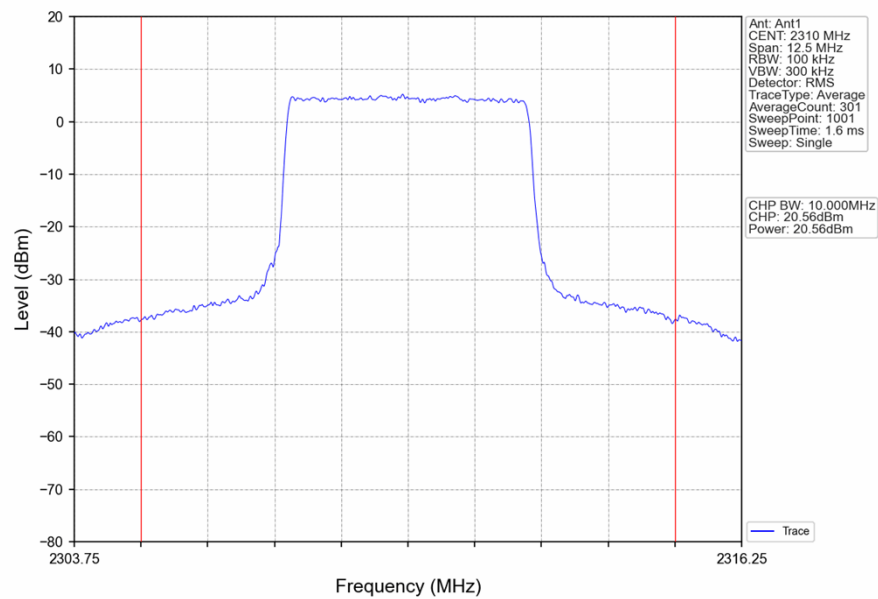
Band30_5MHz_16QAM_MCH_2310MHz_RB_12_6_NTNV



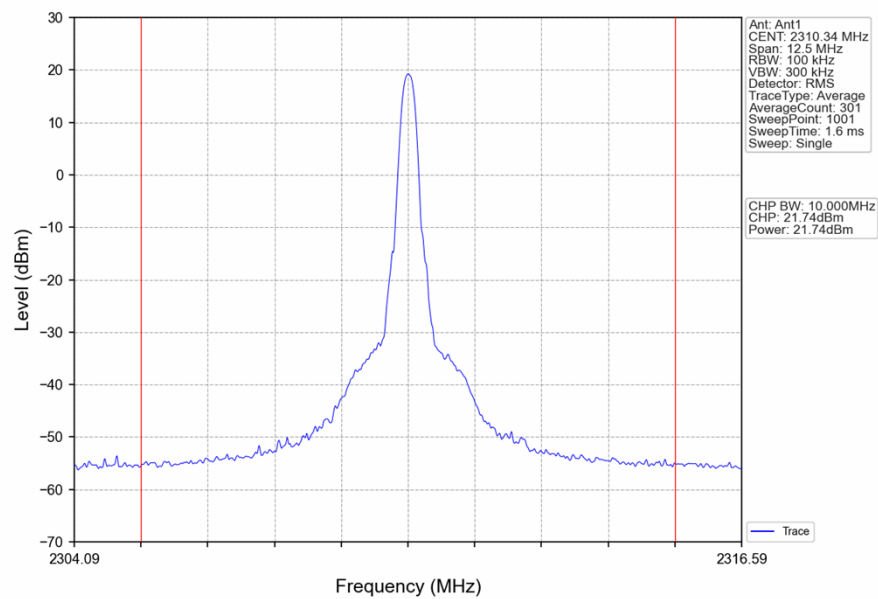
Band30_5MHz_16QAM_MCH_2310MHz_RB_12_13_NTNV



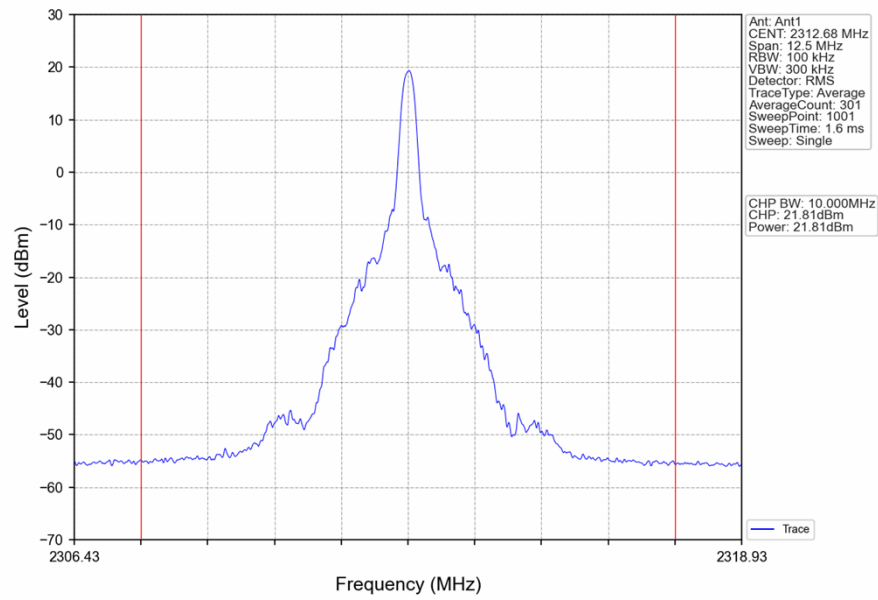
Band30_5MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



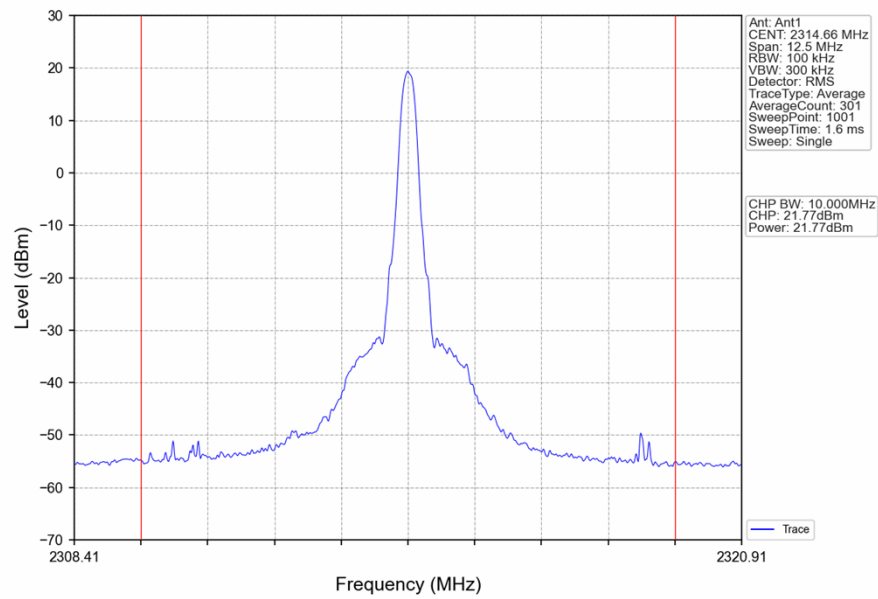
Band30_5MHz_16QAM_HCH_2312.5MHz_RB_1_0_NTNV



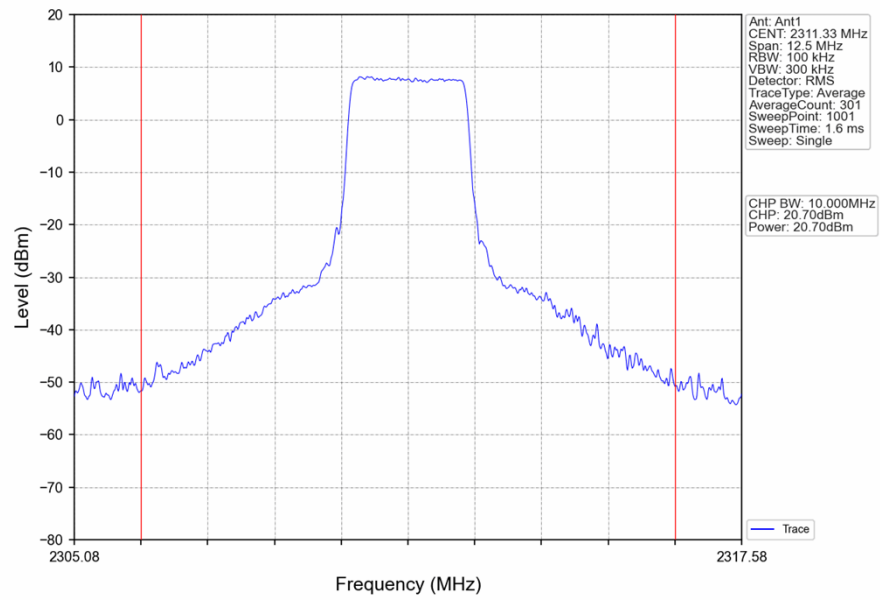
Band30_5MHz_16QAM_HCH_2312.5MHz_RB_1_13_NTNV



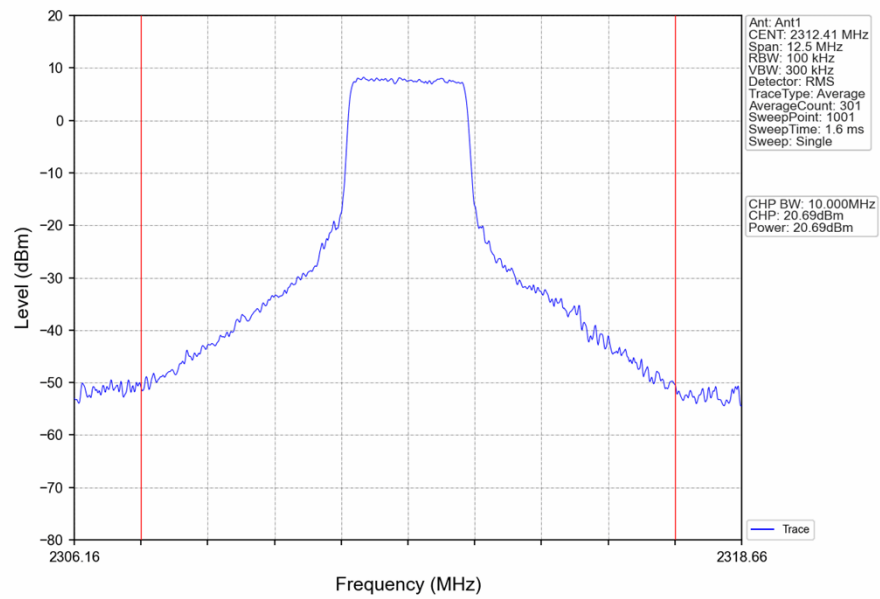
Band30_5MHz_16QAM_HCH_2312.5MHz_RB_1_24_NTNV



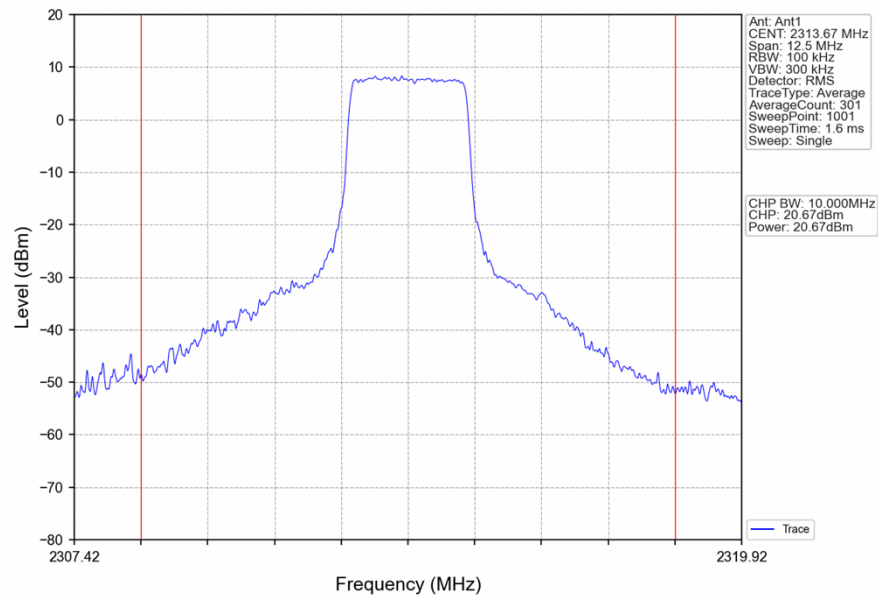
Band30_5MHz_16QAM_HCH_2312.5MHz_RB_12_0_NTNV



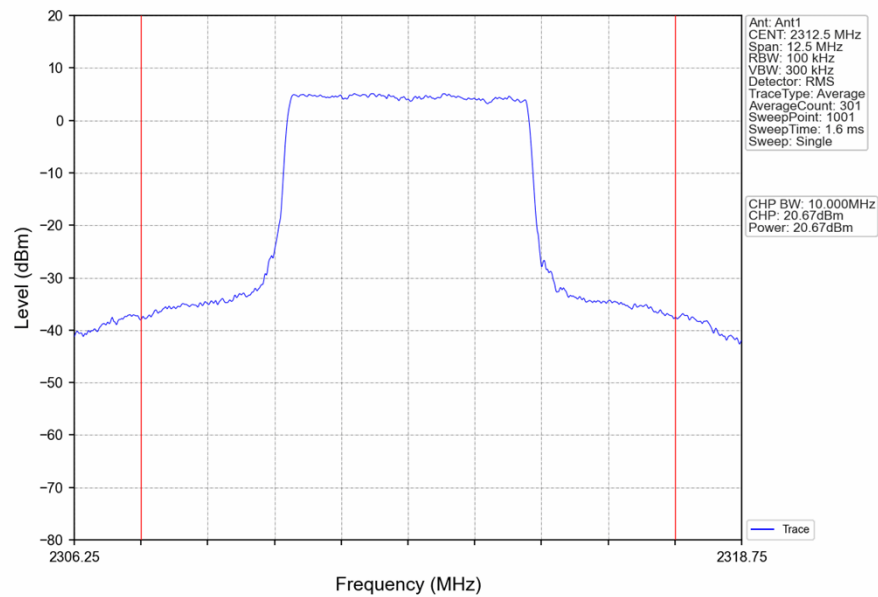
Band30_5MHz_16QAM_HCH_2312.5MHz_RB_12_6_NTNV



Band30_5MHz_16QAM_HCH_2312.5MHz_RB_12_13_NTNV



Band30_5MHz_16QAM_HCH_2312.5MHz_RB_25_0_NTNV



1.3 B30_10MHz_EIRP

1.3.1 Test Result

Band: 30 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2310	1	0	23.23	-5.70	17.53	<=23.98	Pass
			25	23.29	-5.70	17.59	<=23.98	Pass
			49	23.29	-5.70	17.59	<=23.98	Pass
		25	0	22.28	-5.70	16.58	<=23.98	Pass
			13	22.32	-5.70	16.62	<=23.98	Pass
			25	22.35	-5.70	16.65	<=23.98	Pass
		50	0	22.40	-5.70	16.70	<=23.98	Pass
			0	22.39	-5.70	16.69	<=23.98	Pass
			25	22.51	-5.70	16.81	<=23.98	Pass
16QAM	2310	1	49	22.46	-5.70	16.76	<=23.98	Pass
		25	0	21.33	-5.70	15.63	<=23.98	Pass
			13	21.35	-5.70	15.65	<=23.98	Pass
			25	21.33	-5.70	15.63	<=23.98	Pass
		50	0	21.42	-5.70	15.72	<=23.98	Pass
			0	21.44	-5.70	15.74	<=23.98	Pass
			25	21.62	-5.70	15.92	<=23.98	Pass
		1	49	21.53	-5.70	15.83	<=23.98	Pass
			0	20.50	-5.70	14.80	<=23.98	Pass
			13	20.47	-5.70	14.77	<=23.98	Pass
		25	25	20.37	-5.70	14.67	<=23.98	Pass
			0	20.53	-5.70	14.83	<=23.98	Pass
			0	20.53	-5.70	14.83	<=23.98	Pass

Note1: EIRP=Conducted Power+Antenna Gain

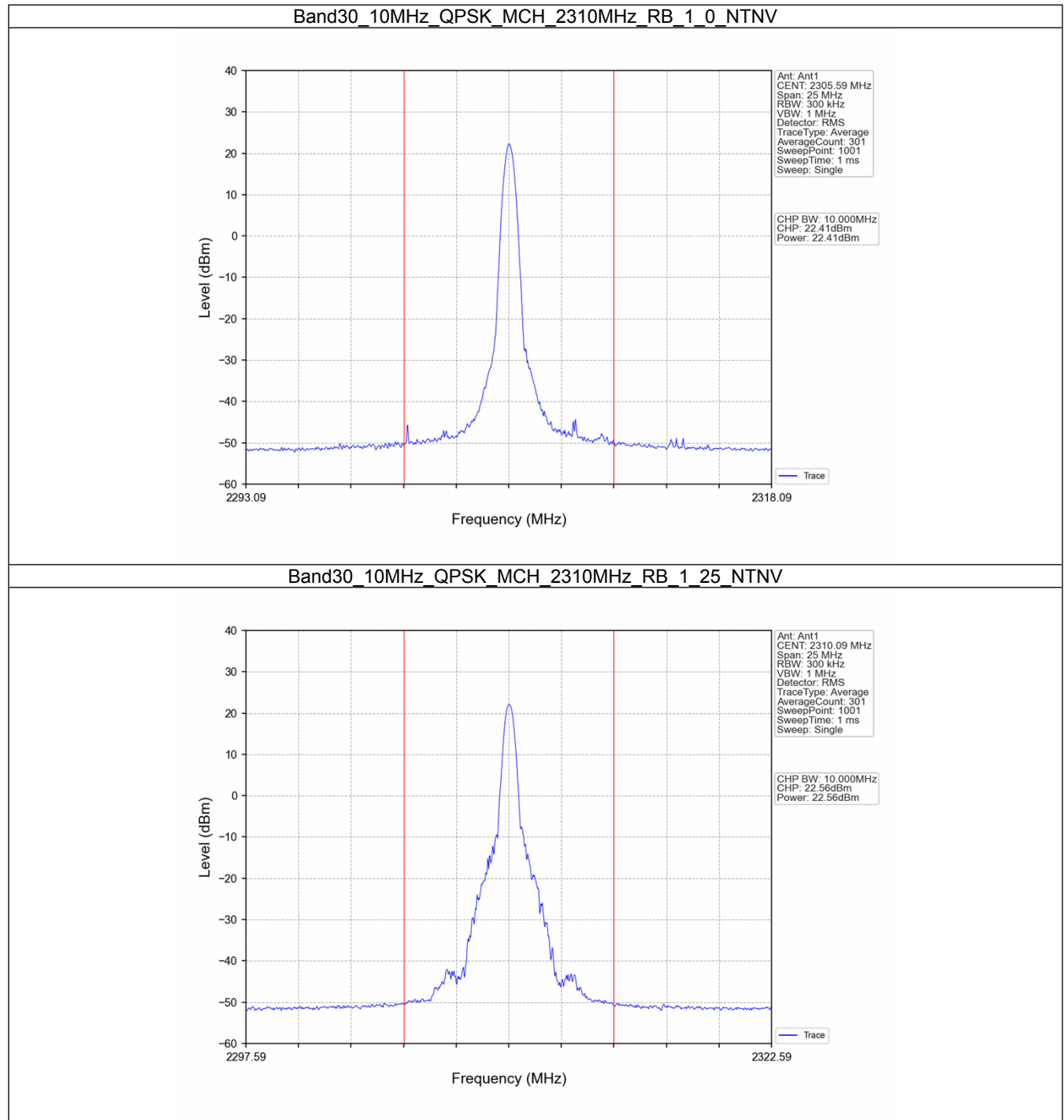
1.4 B30_10MHz_EIRP

1.4.1 Test Result

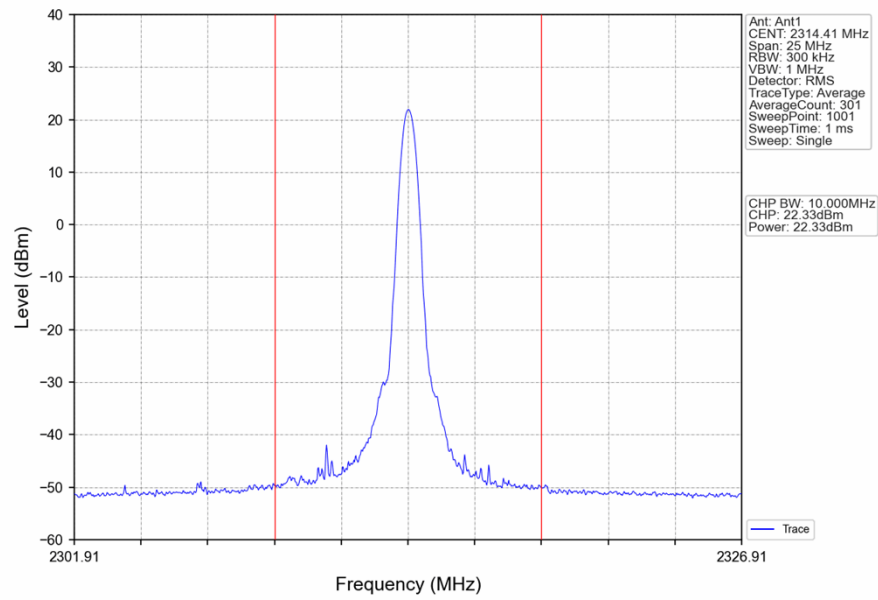
Band: 30 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/5MHz)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2310	1	0	22.41	-5.70	16.71	<=23.98	Pass
			25	22.56	-5.70	16.86	<=23.98	Pass
			49	22.33	-5.70	16.63	<=23.98	Pass
		25	0	21.38	-5.70	15.68	<=23.98	Pass
			13	21.45	-5.70	15.75	<=23.98	Pass
			25	21.43	-5.70	15.73	<=23.98	Pass
		50	0	21.50	-5.70	15.80	<=23.98	Pass
			0	21.44	-5.70	15.74	<=23.98	Pass
			25	21.62	-5.70	15.92	<=23.98	Pass
16QAM	2310	1	49	21.53	-5.70	15.83	<=23.98	Pass
		25	0	20.50	-5.70	14.80	<=23.98	Pass
			13	20.47	-5.70	14.77	<=23.98	Pass
			25	20.37	-5.70	14.67	<=23.98	Pass
		50	0	20.53	-5.70	14.83	<=23.98	Pass
			0	20.53	-5.70	14.83	<=23.98	Pass
			0	20.53	-5.70	14.83	<=23.98	Pass
		1	49	21.53	-5.70	15.83	<=23.98	Pass
			0	20.50	-5.70	14.80	<=23.98	Pass
			13	20.47	-5.70	14.77	<=23.98	Pass
		25	25	20.37	-5.70	14.67	<=23.98	Pass
			0	20.53	-5.70	14.83	<=23.98	Pass
			0	20.53	-5.70	14.83	<=23.98	Pass

Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15

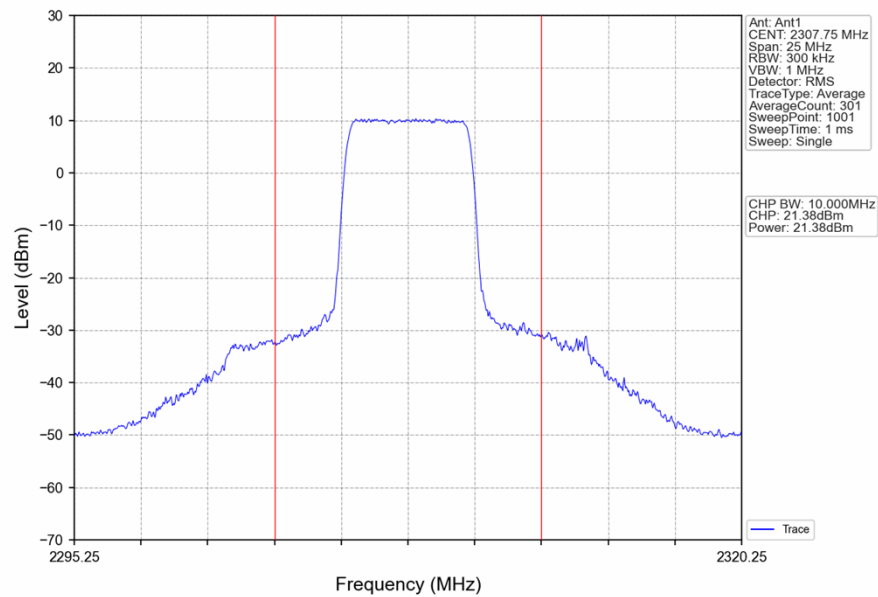
1.4.2 Test Graph



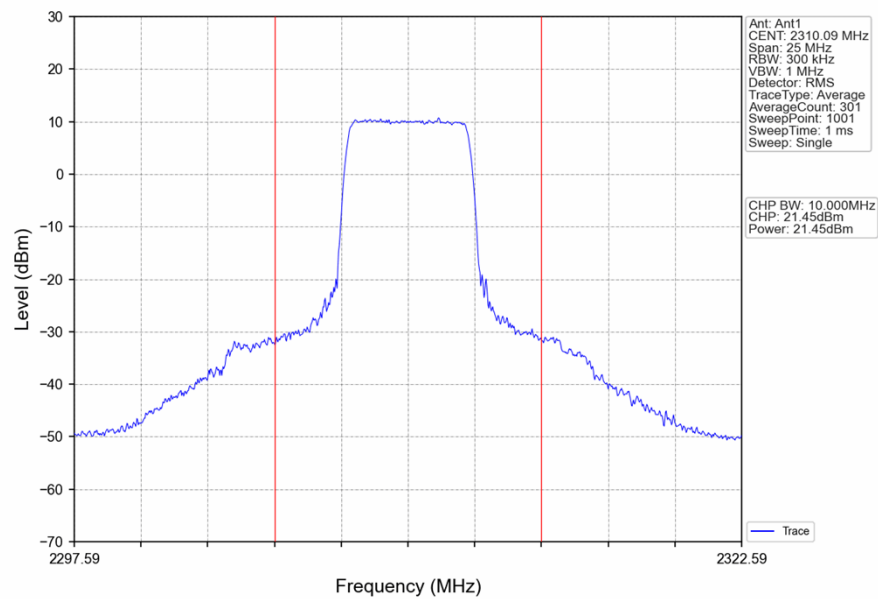
Band30_10MHz_QPSK_MCH_2310MHz_RB_1_49_NTNV



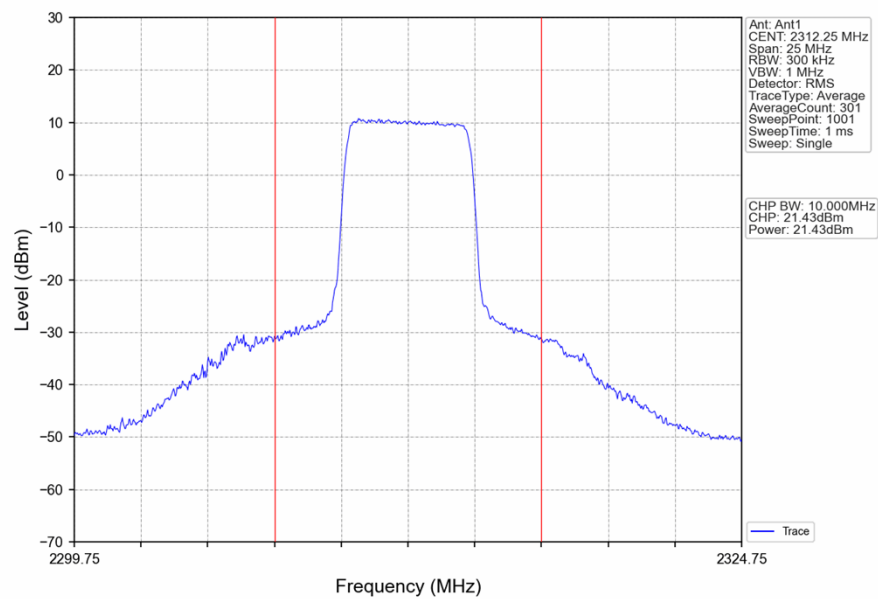
Band30_10MHz_QPSK_MCH_2310MHz_RB_25_0_NTNV



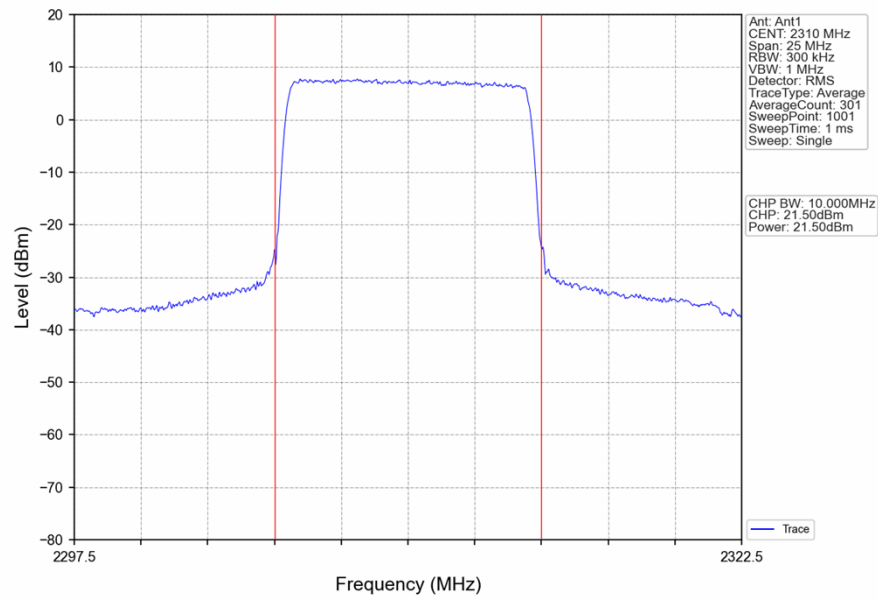
Band30_10MHz_QPSK_MCH_2310MHz_RB_25_13_NTNV



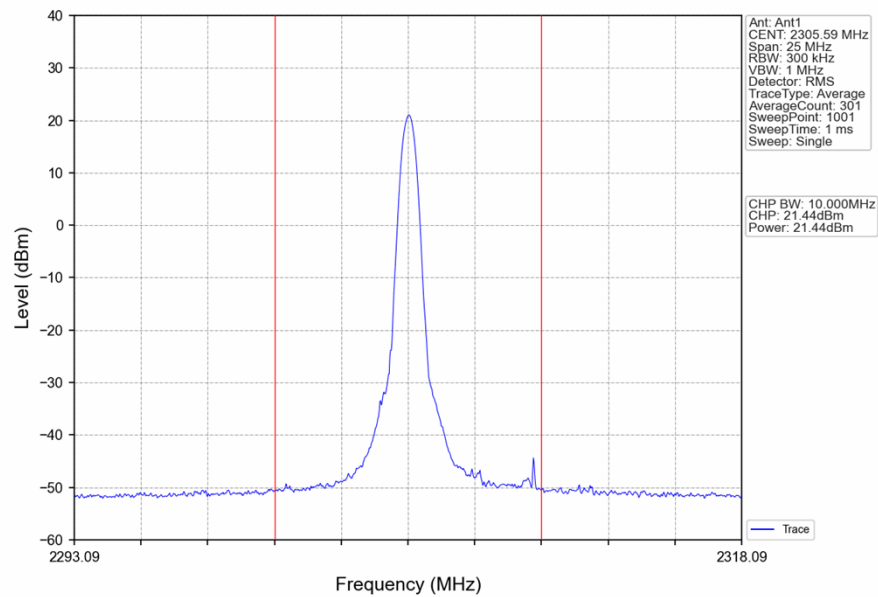
Band30_10MHz_QPSK_MCH_2310MHz_RB_25_25_NTNV



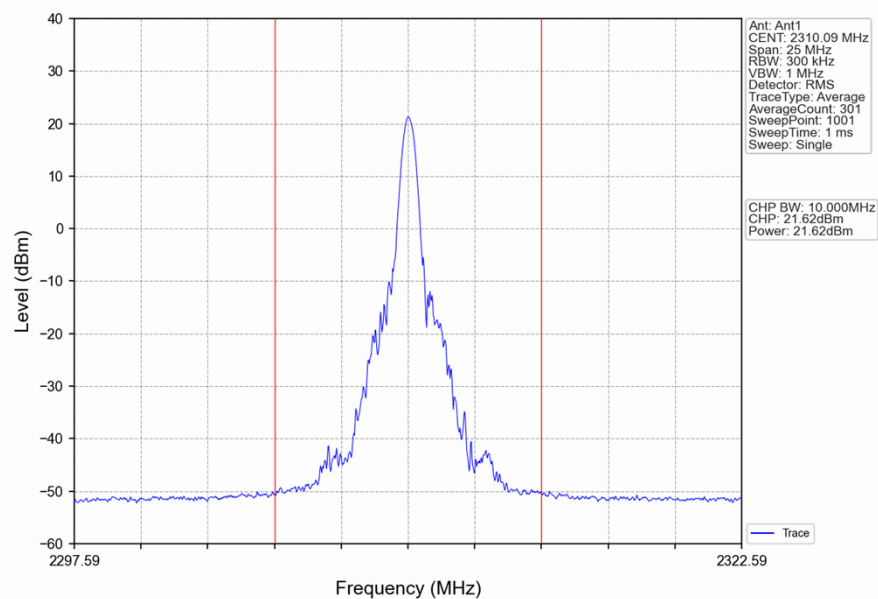
Band30_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



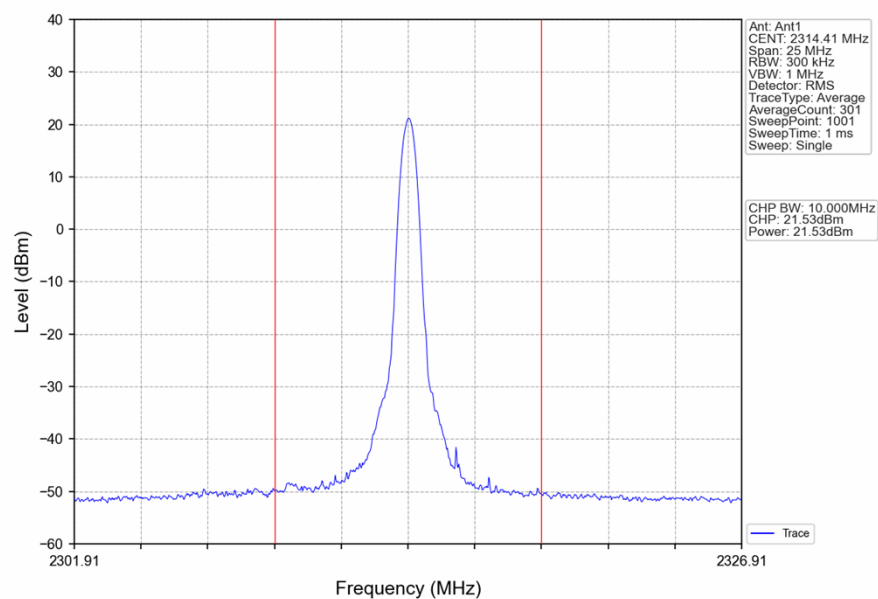
Band30_10MHz_16QAM_MCH_2310MHz_RB_1_0_NTNV



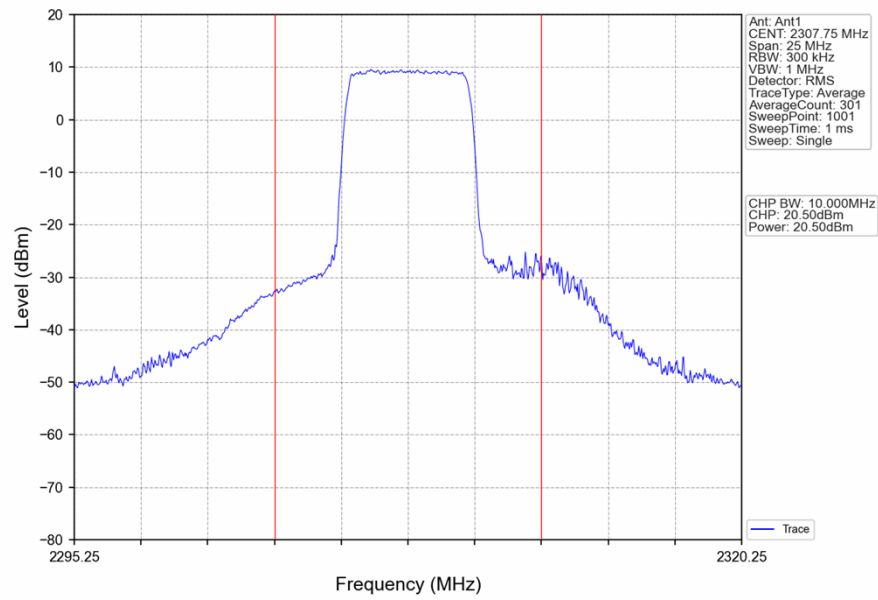
Band30_10MHz_16QAM_MCH_2310MHz_RB_1_25_NTNV



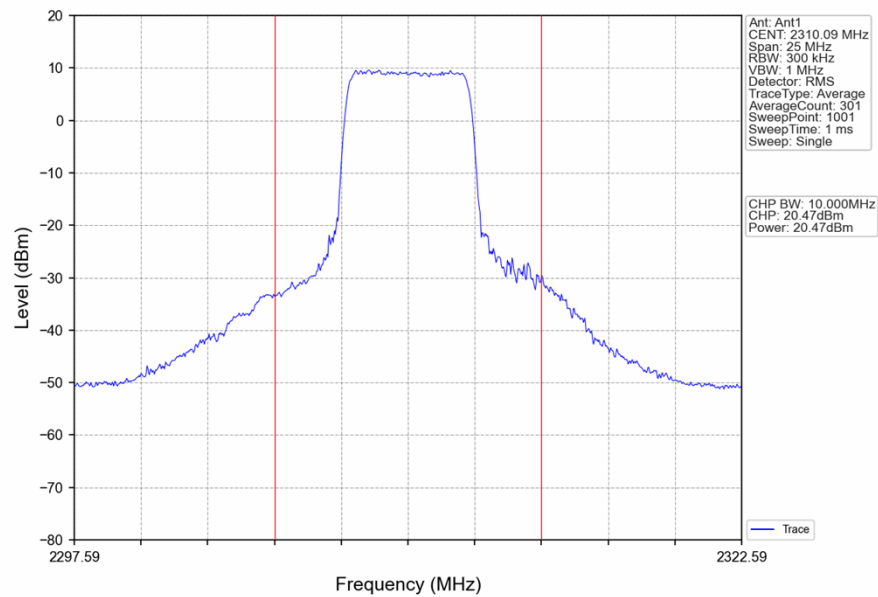
Band30_10MHz_16QAM_MCH_2310MHz_RB_1_49_NTNV



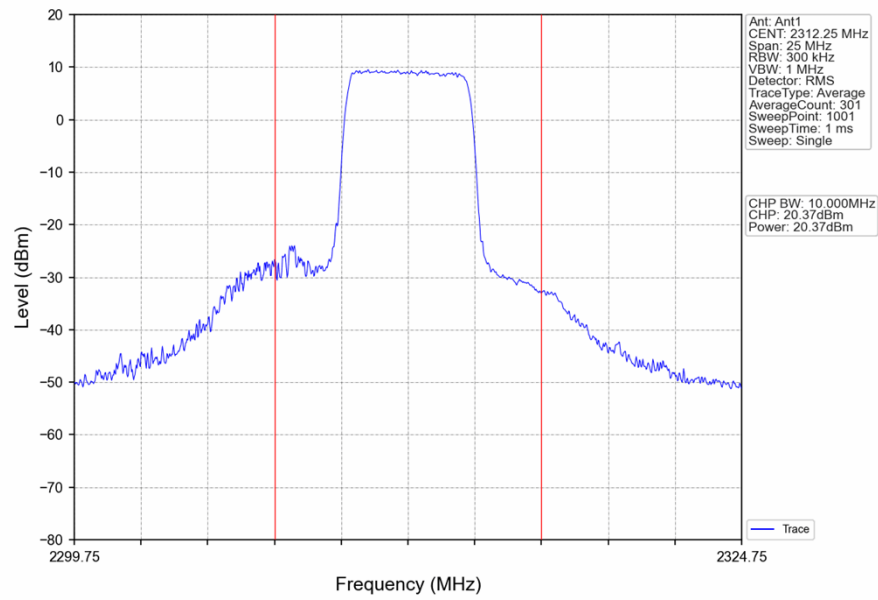
Band30_10MHz_16QAM_MCH_2310MHz_RB_25_0_NTNV



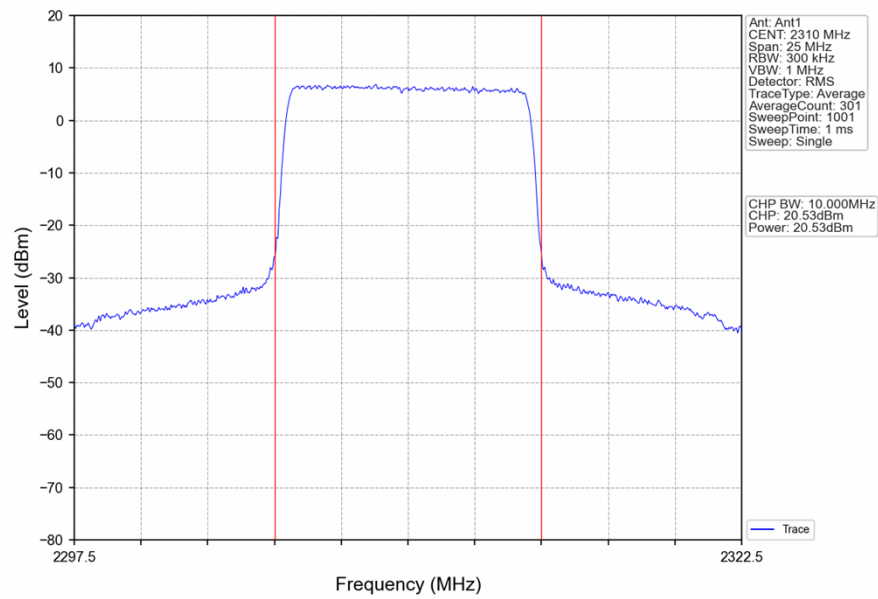
Band30_10MHz_16QAM_MCH_2310MHz_RB_25_13_NTNV



Band30_10MHz_16QAM_MCH_2310MHz_RB_25_25_NTNV



Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



2. Frequency Stability

2.1 B30_10MHz

2.1.1 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	-0.844	-0.0004	-2.5 to 2.5	Pass
					3.85	-0.930	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.616	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.087	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.887	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.831	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.330	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.431	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	-1.144	-0.0005	-2.5 to 2.5	Pass

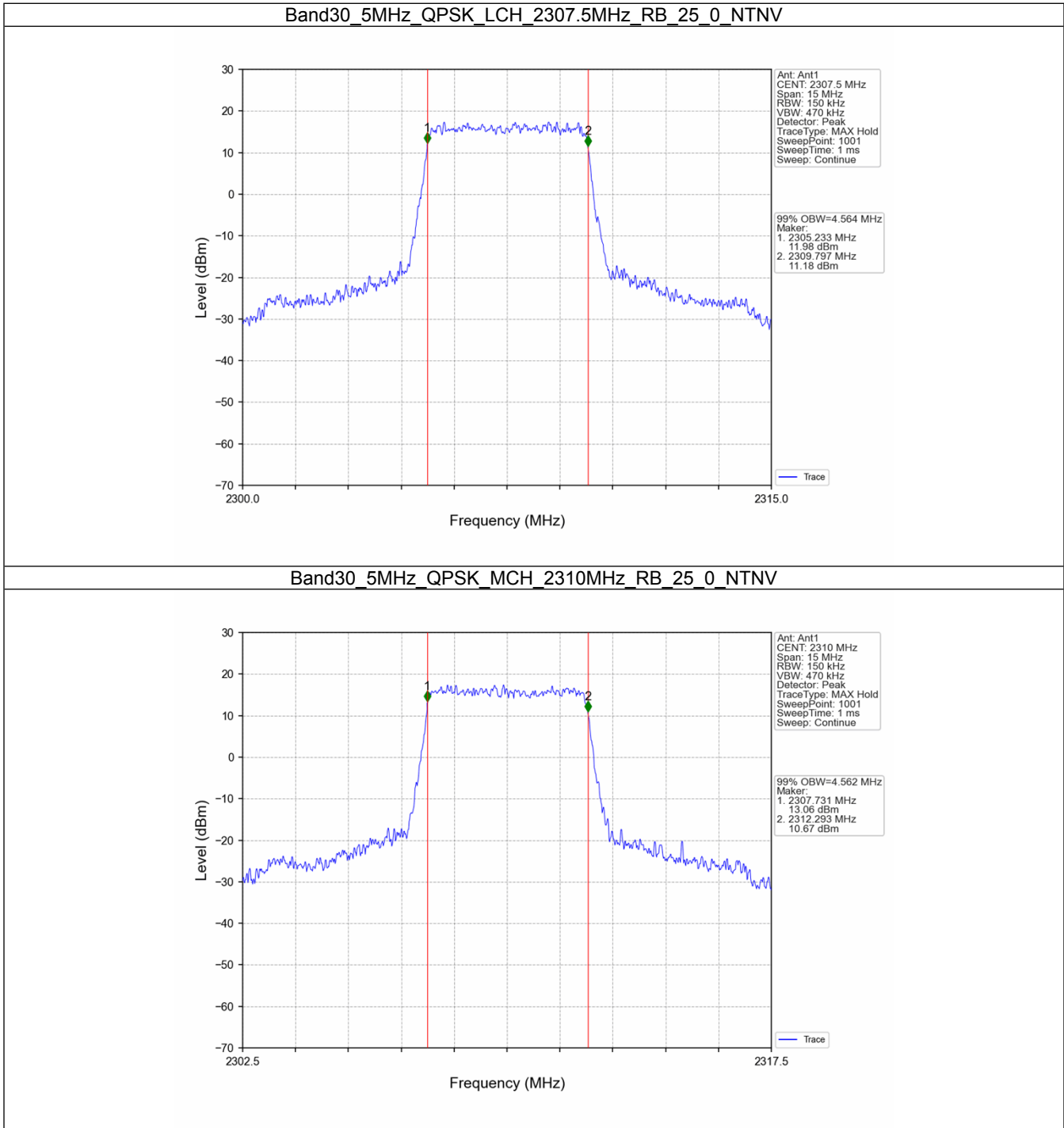
3. 99% & 26dB Bandwidth

3.1 Band30_OBW

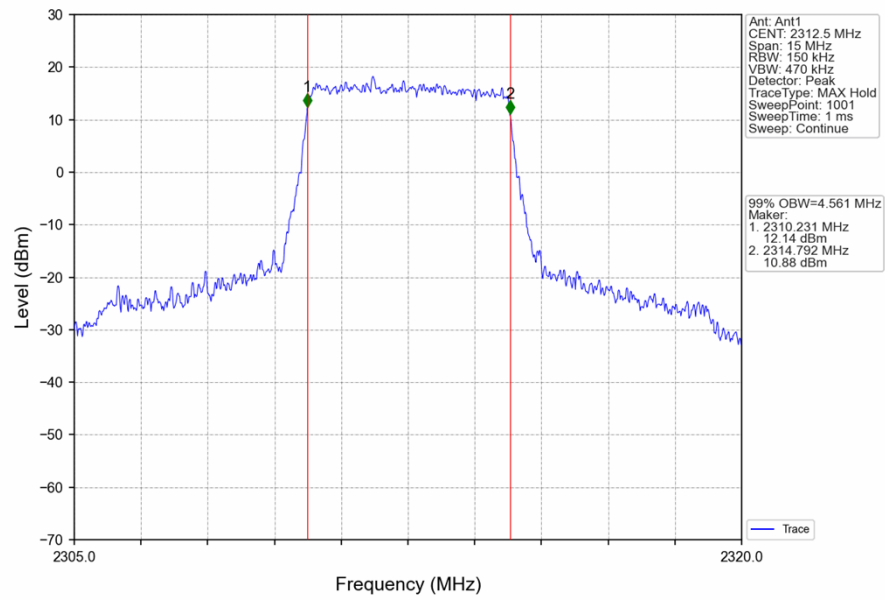
3.1.1 Test Result

Band: 30 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2307.5	25	0	4.564	/	Pass
		2310	25	0	4.562	/	Pass
		2312.5	25	0	4.561	/	Pass
	16QAM	2307.5	25	0	4.569	/	Pass
		2310	25	0	4.578	/	Pass
		2312.5	25	0	4.586	/	Pass
10	QPSK	2310	50	0	9.072	/	Pass
	16QAM	2310	50	0	9.101	/	Pass

3.1.2 Test Graph



Band30_5MHz_QPSK_HCH_2312.5MHz_RB_25_0_NTNV



Band30_5MHz_16QAM_LCH_2307.5MHz_RB_25_0_NTNV

