

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B30_5MHz_EIRP

Band: 30 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2307.5	1	0	23.72	-1.94	21.78	/	Pass
			13	23.65	-1.94	21.71	/	Pass
			24	23.57	-1.94	21.63	/	Pass
		12	0	22.64	-1.94	20.70	/	Pass
			6	22.59	-1.94	20.65	/	Pass
			13	22.52	-1.94	20.58	/	Pass
		25	0	22.62	-1.94	20.68	/	Pass
	2310	1	0	23.48	-1.94	21.54	/	Pass
			13	23.42	-1.94	21.48	/	Pass
			24	23.35	-1.94	21.41	/	Pass
		12	0	22.48	-1.94	20.54	/	Pass
			6	22.42	-1.94	20.48	/	Pass
			13	22.36	-1.94	20.42	/	Pass
		25	0	22.42	-1.94	20.48	/	Pass
	2312.5	1	0	23.45	-1.94	21.51	/	Pass
			13	23.35	-1.94	21.41	/	Pass
			24	23.22	-1.94	21.28	/	Pass
		12	0	22.40	-1.94	20.46	/	Pass
			6	22.32	-1.94	20.38	/	Pass
			13	22.22	-1.94	20.28	/	Pass
		25	0	22.33	-1.94	20.39	/	Pass
16QAM	2307.5	1	0	22.56	-1.94	20.62	/	Pass
			13	22.37	-1.94	20.43	/	Pass
			24	22.38	-1.94	20.44	/	Pass
		12	0	21.67	-1.94	19.73	/	Pass
			6	21.61	-1.94	19.67	/	Pass
			13	21.52	-1.94	19.58	/	Pass
		25	0	21.60	-1.94	19.66	/	Pass
	2310	1	0	22.68	-1.94	20.74	/	Pass
			13	22.60	-1.94	20.66	/	Pass
			24	22.49	-1.94	20.55	/	Pass
		12	0	21.49	-1.94	19.55	/	Pass
			6	21.43	-1.94	19.49	/	Pass
			13	21.36	-1.94	19.42	/	Pass
		25	0	21.37	-1.94	19.43	/	Pass
	2312.5	1	0	22.47	-1.94	20.53	/	Pass
			13	22.34	-1.94	20.40	/	Pass
			24	22.24	-1.94	20.30	/	Pass
		12	0	21.41	-1.94	19.47	/	Pass
			6	21.32	-1.94	19.38	/	Pass
			13	21.21	-1.94	19.27	/	Pass
		25	0	21.28	-1.94	19.34	/	Pass
64QAM	2307.5	1	0	21.54	-1.94	19.60	/	Pass
			13	21.40	-1.94	19.46	/	Pass
			24	21.34	-1.94	19.40	/	Pass
		12	0	20.67	-1.94	18.73	/	Pass
			6	20.60	-1.94	18.66	/	Pass
			13	20.52	-1.94	18.58	/	Pass
		25	0	20.50	-1.94	18.56	/	Pass

	2310	1	0	21.72	-1.94	19.78	/	Pass
			13	21.62	-1.94	19.68	/	Pass
			24	21.52	-1.94	19.58	/	Pass
		12	0	20.37	-1.94	18.43	/	Pass
			6	20.32	-1.94	18.38	/	Pass
			13	20.26	-1.94	18.32	/	Pass
		25	0	20.31	-1.94	18.37	/	Pass
	2312.5	1	0	21.61	-1.94	19.67	/	Pass
			13	21.50	-1.94	19.56	/	Pass
			24	21.37	-1.94	19.43	/	Pass
		12	0	20.43	-1.94	18.49	/	Pass
			6	20.35	-1.94	18.41	/	Pass
			13	20.26	-1.94	18.32	/	Pass
		25	0	20.29	-1.94	18.35	/	Pass
256QAM	2307.5	1	0	18.29	-1.94	16.35	/	Pass
			13	18.14	-1.94	16.20	/	Pass
			24	18.08	-1.94	16.14	/	Pass
		12	0	18.57	-1.94	16.63	/	Pass
			6	18.51	-1.94	16.57	/	Pass
			13	18.43	-1.94	16.49	/	Pass
		25	0	18.49	-1.94	16.55	/	Pass
	2310	1	0	18.54	-1.94	16.60	/	Pass
			13	18.48	-1.94	16.54	/	Pass
			24	18.39	-1.94	16.45	/	Pass
		12	0	18.41	-1.94	16.47	/	Pass
			6	18.37	-1.94	16.43	/	Pass
			13	18.30	-1.94	16.36	/	Pass
		25	0	18.30	-1.94	16.36	/	Pass
	2312.5	1	0	18.42	-1.94	16.48	/	Pass
			13	18.26	-1.94	16.32	/	Pass
			24	18.13	-1.94	16.19	/	Pass
		12	0	18.34	-1.94	16.40	/	Pass
			6	18.27	-1.94	16.33	/	Pass
			13	18.17	-1.94	16.23	/	Pass
		25	0	18.23	-1.94	16.29	/	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B30_5MHz_EIRP/10MHz

Band: 30 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/5MHz)	Gain (dBi)	EIRP/10MHz (dBm/5MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	2307.5	1	0	23.03	-1.94	21.09	<=23.98	Pass
			13	22.86	-1.94	20.92	<=23.98	Pass
			24	22.97	-1.94	21.03	<=23.98	Pass
		12	0	21.83	-1.94	19.89	<=23.98	Pass
			6	22.14	-1.94	20.20	<=23.98	Pass
			13	21.71	-1.94	19.77	<=23.98	Pass
		25	0	21.79	-1.94	19.85	<=23.98	Pass
	2310	1	0	22.83	-1.94	20.89	<=23.98	Pass
			13	22.74	-1.94	20.80	<=23.98	Pass
			24	22.83	-1.94	20.89	<=23.98	Pass
		12	0	21.92	-1.94	19.98	<=23.98	Pass
			6	21.79	-1.94	19.85	<=23.98	Pass
			13	21.68	-1.94	19.74	<=23.98	Pass
		25	0	21.84	-1.94	19.90	<=23.98	Pass
	2312.5	1	0	22.77	-1.94	20.83	<=23.98	Pass

		12	13	22.50	-1.94	20.56	<=23.98	Pass		
			24	22.60	-1.94	20.66	<=23.98	Pass		
			0	21.68	-1.94	19.74	<=23.98	Pass		
			6	21.65	-1.94	19.71	<=23.98	Pass		
			13	21.44	-1.94	19.50	<=23.98	Pass		
			25	0	21.72	-1.94	19.78	<=23.98	Pass	
16QAM	2307.5	1	0	21.96	-1.94	20.02	<=23.98	Pass		
			13	21.91	-1.94	19.97	<=23.98	Pass		
			24	21.93	-1.94	19.99	<=23.98	Pass		
		12	0	21.02	-1.94	19.08	<=23.98	Pass		
			6	20.78	-1.94	18.84	<=23.98	Pass		
			13	20.69	-1.94	18.75	<=23.98	Pass		
		25	0	20.84	-1.94	18.90	<=23.98	Pass		
		2310	1	0	21.91	-1.94	19.97	<=23.98	Pass	
				13	21.95	-1.94	20.01	<=23.98	Pass	
	24			21.81	-1.94	19.87	<=23.98	Pass		
	12		0	20.81	-1.94	18.87	<=23.98	Pass		
			6	20.77	-1.94	18.83	<=23.98	Pass		
			13	20.70	-1.94	18.76	<=23.98	Pass		
	25		0	20.79	-1.94	18.85	<=23.98	Pass		
	2312.5		1	0	22.08	-1.94	20.14	<=23.98	Pass	
				13	21.73	-1.94	19.79	<=23.98	Pass	
		24		21.60	-1.94	19.66	<=23.98	Pass		
		12	0	20.75	-1.94	18.81	<=23.98	Pass		
			6	20.70	-1.94	18.76	<=23.98	Pass		
			13	20.51	-1.94	18.57	<=23.98	Pass		
		25	0	20.63	-1.94	18.69	<=23.98	Pass		
		64QAM	2307.5	1	0	21.12	-1.94	19.18	<=23.98	Pass
					13	21.06	-1.94	19.12	<=23.98	Pass
	24				21.03	-1.94	19.09	<=23.98	Pass	
	12			0	19.93	-1.94	17.99	<=23.98	Pass	
				6	19.77	-1.94	17.83	<=23.98	Pass	
				13	19.87	-1.94	17.93	<=23.98	Pass	
	25			0	19.79	-1.94	17.85	<=23.98	Pass	
	2310			1	0	20.92	-1.94	18.98	<=23.98	Pass
					13	20.92	-1.94	18.98	<=23.98	Pass
24			20.57		-1.94	18.63	<=23.98	Pass		
12			0	19.83	-1.94	17.89	<=23.98	Pass		
			6	19.65	-1.94	17.71	<=23.98	Pass		
			13	19.78	-1.94	17.84	<=23.98	Pass		
25	0		19.69	-1.94	17.75	<=23.98	Pass			
2312.5	1		0	20.97	-1.94	19.03	<=23.98	Pass		
			13	20.76	-1.94	18.82	<=23.98	Pass		
			24	20.83	-1.94	18.89	<=23.98	Pass		
	12		0	19.82	-1.94	17.88	<=23.98	Pass		
			6	19.70	-1.94	17.76	<=23.98	Pass		
			13	19.58	-1.94	17.64	<=23.98	Pass		
	25		0	19.62	-1.94	17.68	<=23.98	Pass		
	256QAM		2307.5	1	0	17.78	-1.94	15.84	<=23.98	Pass
					13	17.79	-1.94	15.85	<=23.98	Pass
24					17.66	-1.94	15.72	<=23.98	Pass	
12				0	18.06	-1.94	16.12	<=23.98	Pass	
				6	17.71	-1.94	15.77	<=23.98	Pass	
				13	17.79	-1.94	15.85	<=23.98	Pass	
25		0		17.68	-1.94	15.74	<=23.98	Pass		
2310		1		0	17.93	-1.94	15.99	<=23.98	Pass	
				13	17.77	-1.94	15.83	<=23.98	Pass	
24			17.78	-1.94	15.84	<=23.98	Pass			
12		0	17.63	-1.94	15.69	<=23.98	Pass			

			6	17.73	-1.94	15.79	<=23.98	Pass
			13	17.71	-1.94	15.77	<=23.98	Pass
		25	0	17.63	-1.94	15.69	<=23.98	Pass
	2312.5	1	0	17.82	-1.94	15.88	<=23.98	Pass
			13	17.76	-1.94	15.82	<=23.98	Pass
			24	17.70	-1.94	15.76	<=23.98	Pass
		12	0	17.64	-1.94	15.70	<=23.98	Pass
			6	17.53	-1.94	15.59	<=23.98	Pass
			13	17.55	-1.94	15.61	<=23.98	Pass
		25	0	17.56	-1.94	15.62	<=23.98	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain								

1.1.3 B30_10MHz_EIRP

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	23.78	-1.94	21.84	/	Pass
			25	23.54	-1.94	21.60	/	Pass
			49	23.32	-1.94	21.38	/	Pass
		25	0	22.57	-1.94	20.63	/	Pass
			13	22.43	-1.94	20.49	/	Pass
			25	22.31	-1.94	20.37	/	Pass
		50	0	22.42	-1.94	20.48	/	Pass
16QAM	2310	1	0	23.06	-1.94	21.12	/	Pass
			25	22.77	-1.94	20.83	/	Pass
			49	22.61	-1.94	20.67	/	Pass
		25	0	21.57	-1.94	19.63	/	Pass
			13	21.41	-1.94	19.47	/	Pass
			25	21.29	-1.94	19.35	/	Pass
		50	0	21.37	-1.94	19.43	/	Pass
64QAM	2310	1	0	21.99	-1.94	20.05	/	Pass
			25	21.70	-1.94	19.76	/	Pass
			49	21.52	-1.94	19.58	/	Pass
		25	0	20.53	-1.94	18.59	/	Pass
			13	20.37	-1.94	18.43	/	Pass
			25	20.25	-1.94	18.31	/	Pass
		50	0	20.35	-1.94	18.41	/	Pass
256QAM	2310	1	0	18.98	-1.94	17.04	/	Pass
			25	18.70	-1.94	16.76	/	Pass
			49	18.53	-1.94	16.59	/	Pass
		25	0	18.47	-1.94	16.53	/	Pass
			13	18.31	-1.94	16.37	/	Pass
			25	18.22	-1.94	16.28	/	Pass
		50	0	18.31	-1.94	16.37	/	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

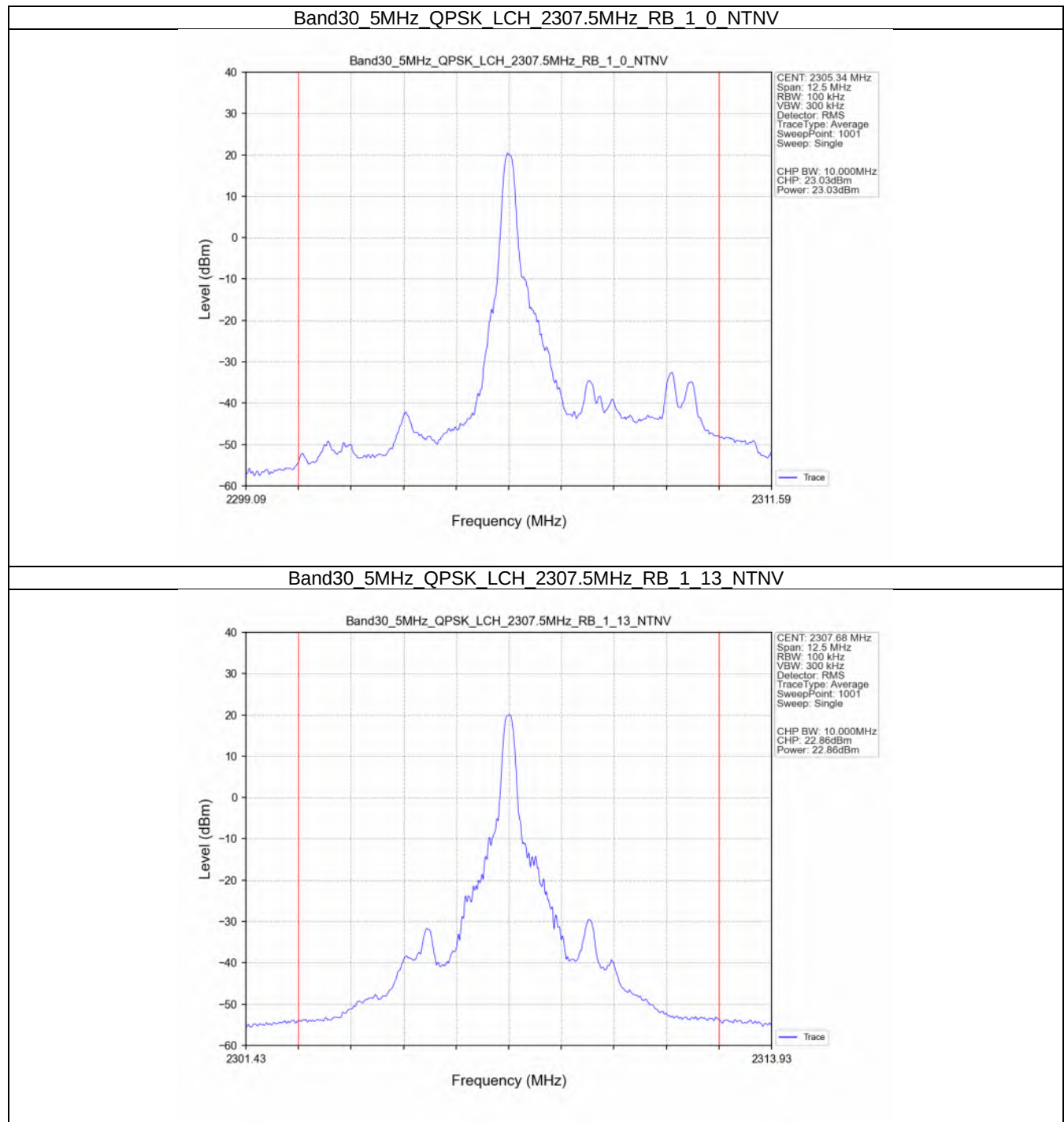
1.1.4 B30_10MHz_EIRP/10MHz

Band: 30 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/5MHz)	Gain (dBi)	EIRP/10MHz (dBm/5MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	2310	1	0	23.03	-1.94	21.09	<=23.98	Pass
			25	22.85	-1.94	20.91	<=23.98	Pass
			49	22.71	-1.94	20.77	<=23.98	Pass
		25	0	21.89	-1.94	19.95	<=23.98	Pass

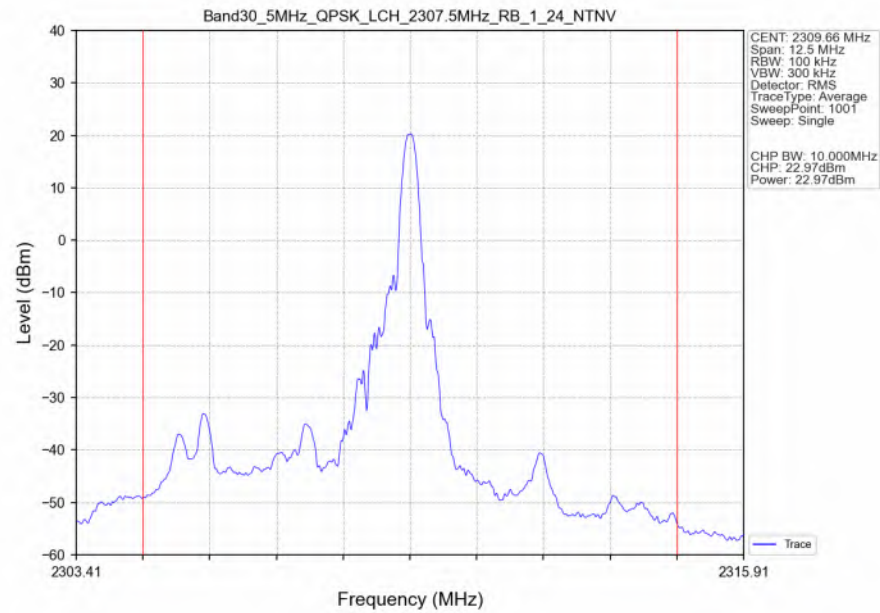
			13	21.75	-1.94	19.81	<=23.98	Pass		
			25	21.73	-1.94	19.79	<=23.98	Pass		
		50	0	21.77	-1.94	19.83	<=23.98	Pass		
16QAM	2310	1	0	22.14	-1.94	20.20	<=23.98	Pass		
			25	21.95	-1.94	20.01	<=23.98	Pass		
			49	21.76	-1.94	19.82	<=23.98	Pass		
		25	0	20.89	-1.94	18.95	<=23.98	Pass		
			13	20.81	-1.94	18.87	<=23.98	Pass		
			25	20.67	-1.94	18.73	<=23.98	Pass		
		50	0	20.70	-1.94	18.76	<=23.98	Pass		
		64QAM	2310	1	0	21.19	-1.94	19.25	<=23.98	Pass
					25	20.94	-1.94	19.00	<=23.98	Pass
49	20.87				-1.94	18.93	<=23.98	Pass		
25	0			19.84	-1.94	17.90	<=23.98	Pass		
	13			19.68	-1.94	17.74	<=23.98	Pass		
	25			19.64	-1.94	17.70	<=23.98	Pass		
50	0			19.66	-1.94	17.72	<=23.98	Pass		
256QAM	2310			1	0	18.00	-1.94	16.06	<=23.98	Pass
					25	17.63	-1.94	15.69	<=23.98	Pass
		49	17.61		-1.94	15.67	<=23.98	Pass		
		25	0	17.77	-1.94	15.83	<=23.98	Pass		
			13	17.65	-1.94	15.71	<=23.98	Pass		
			25	17.51	-1.94	15.57	<=23.98	Pass		
		50	0	17.59	-1.94	15.65	<=23.98	Pass		
Note1: EIRP/10MHz=Conducted Power+Antenna Gain										

1.2 Test Graph

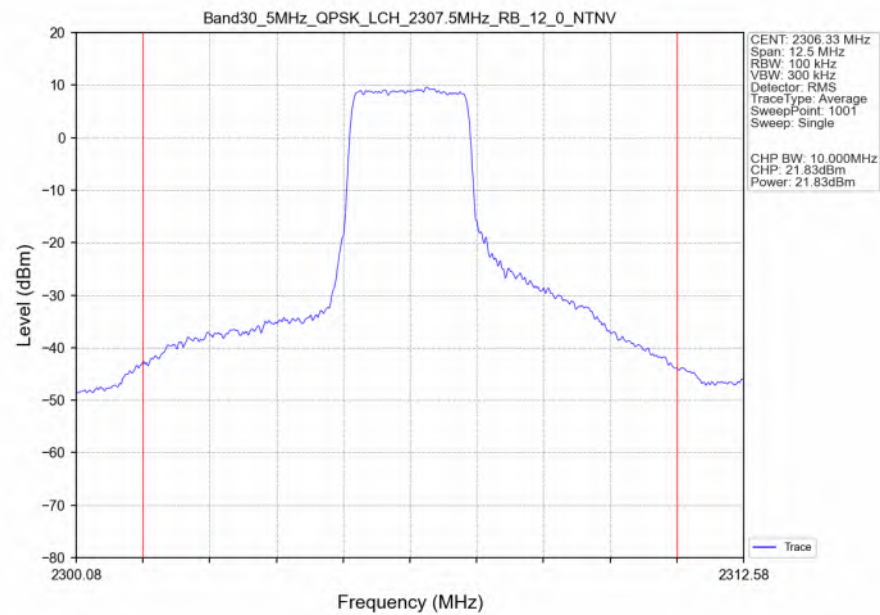
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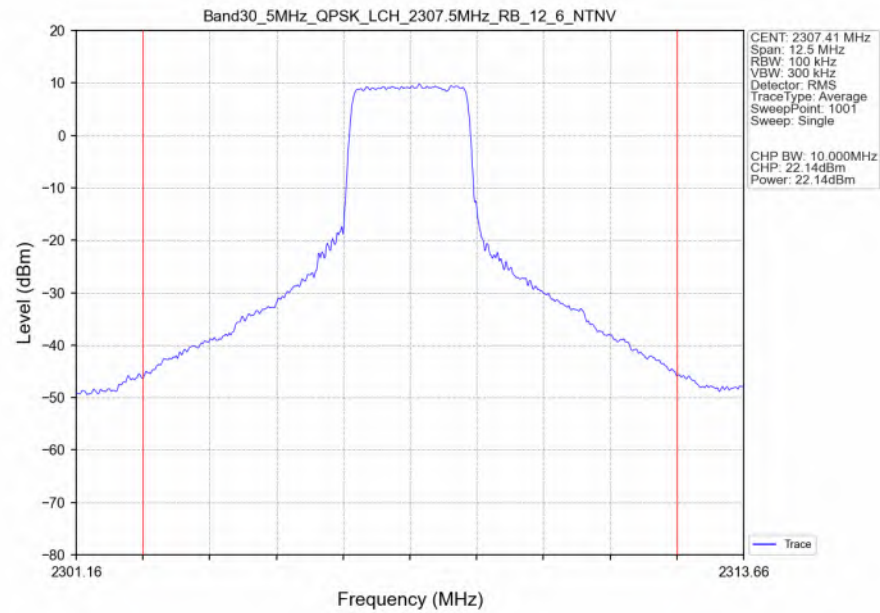
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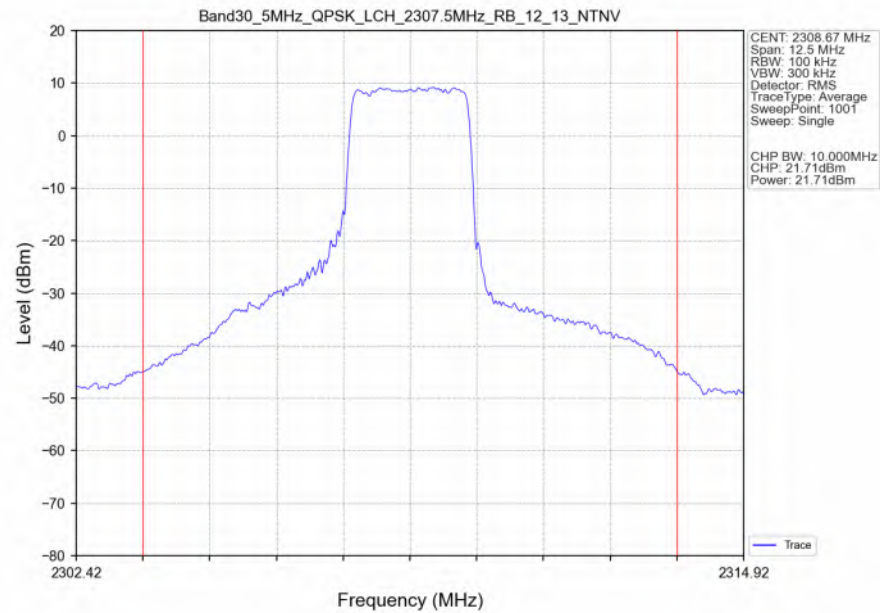
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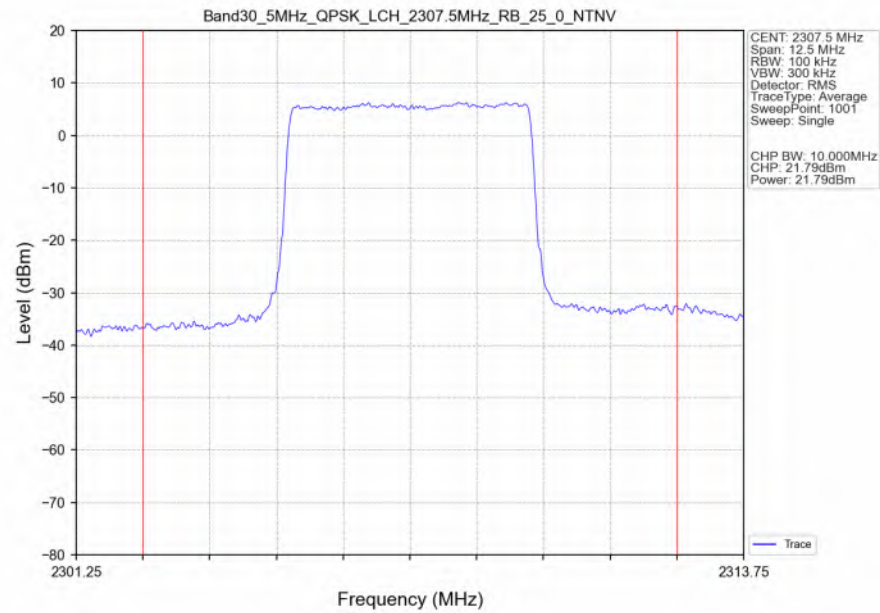
Band30 5MHz QPSK LCH 2307.5MHz RB 12 6 NTNV



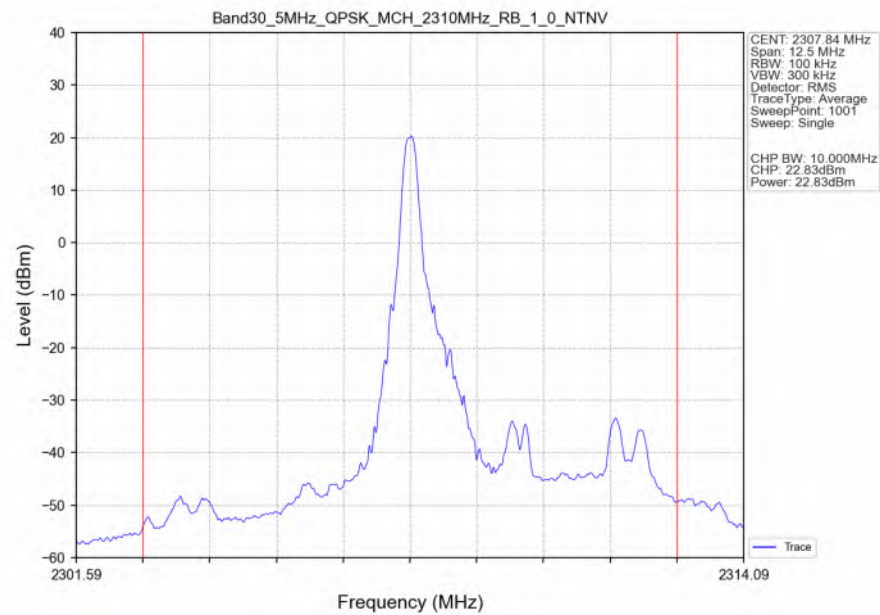
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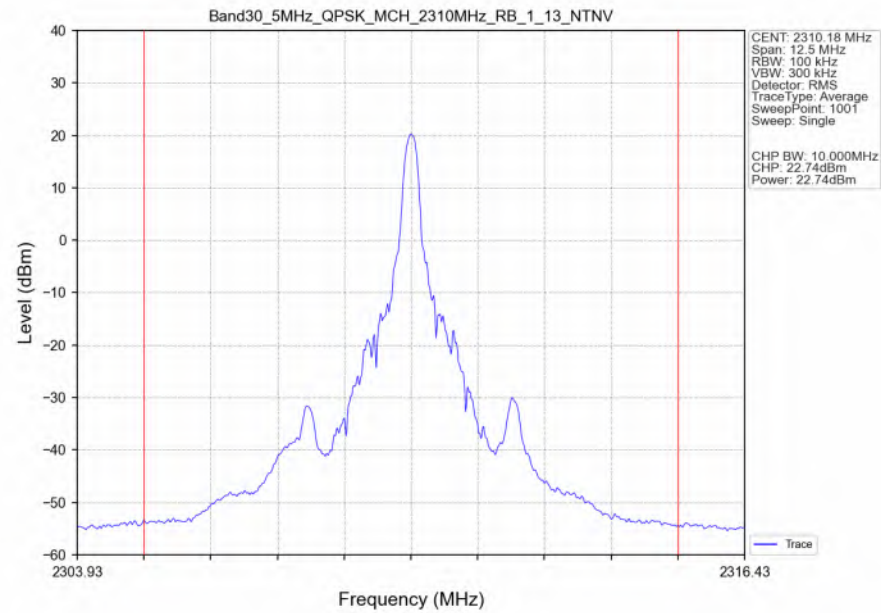
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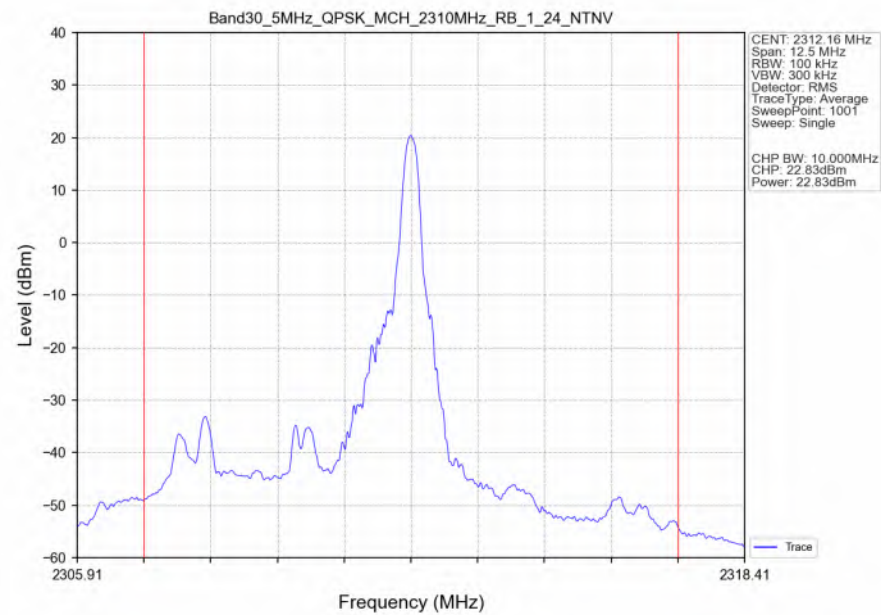
Band30_5MHz_QPSK_MCH_2310MHz_RB_1_0_NTNV



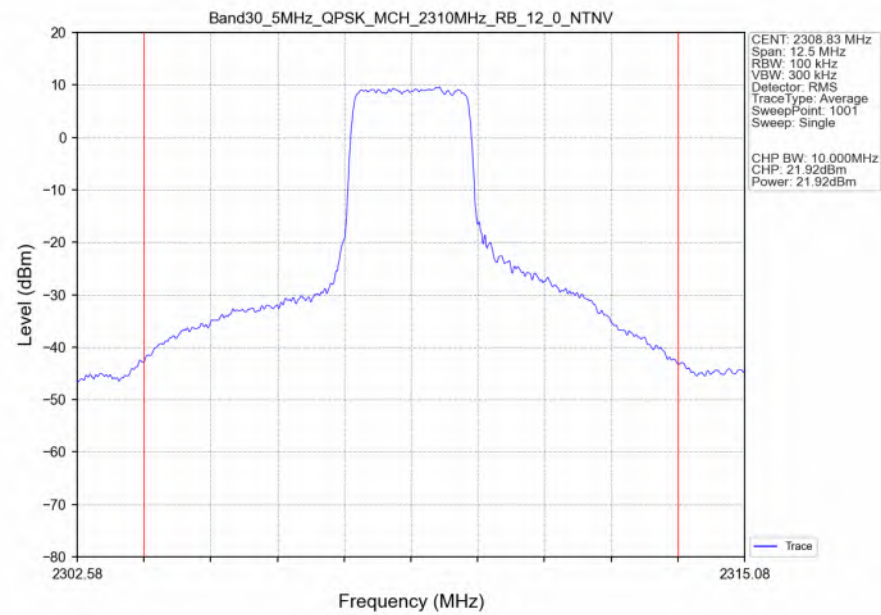
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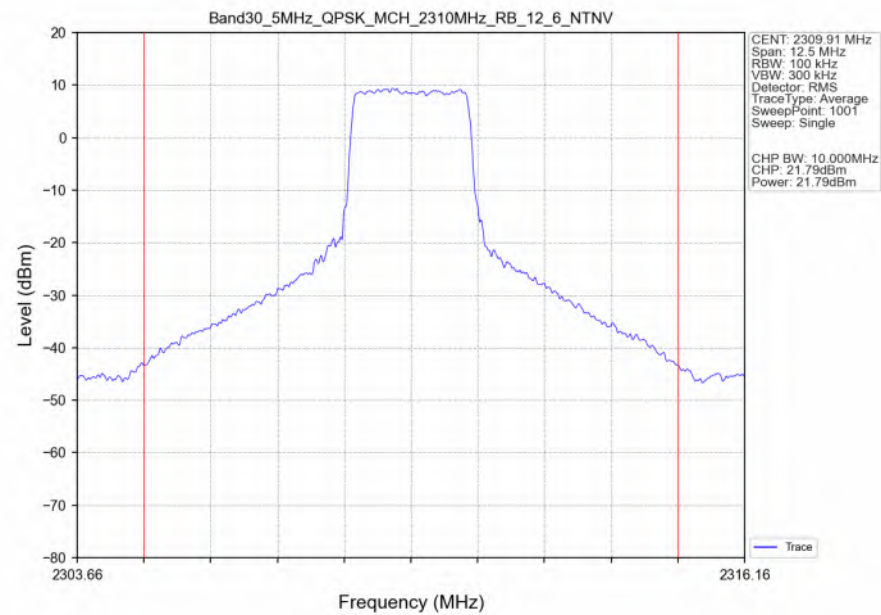
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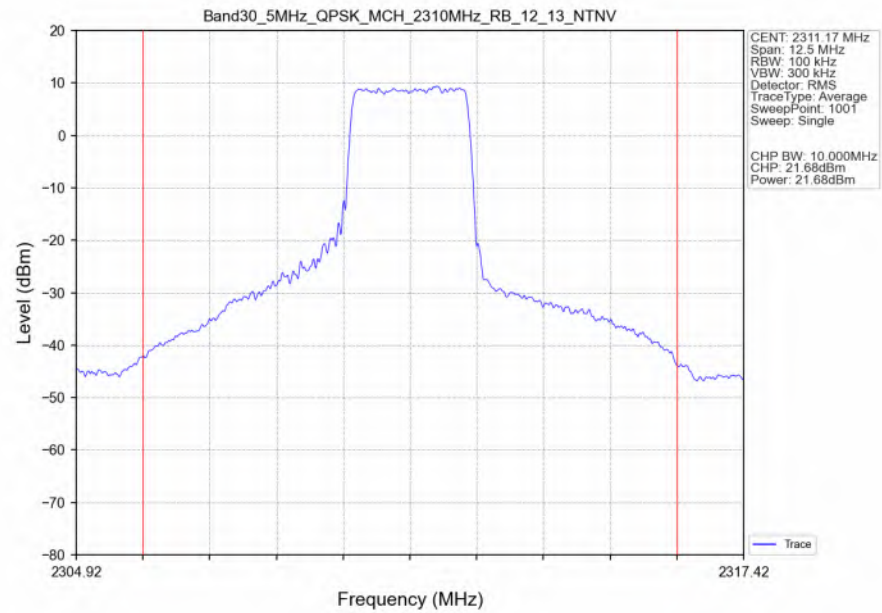
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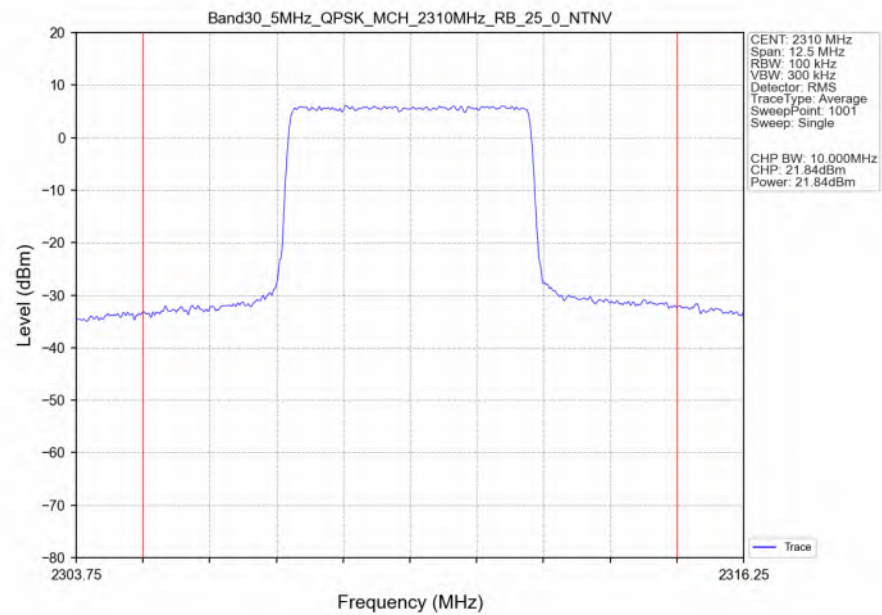
Band30 5MHz QPSK MCH 2310MHz RB 12 6 NTN



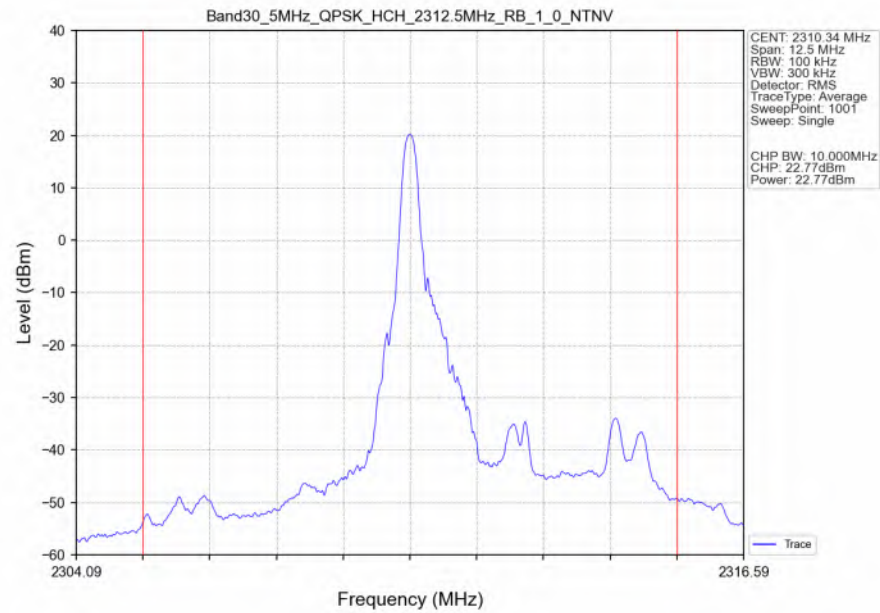
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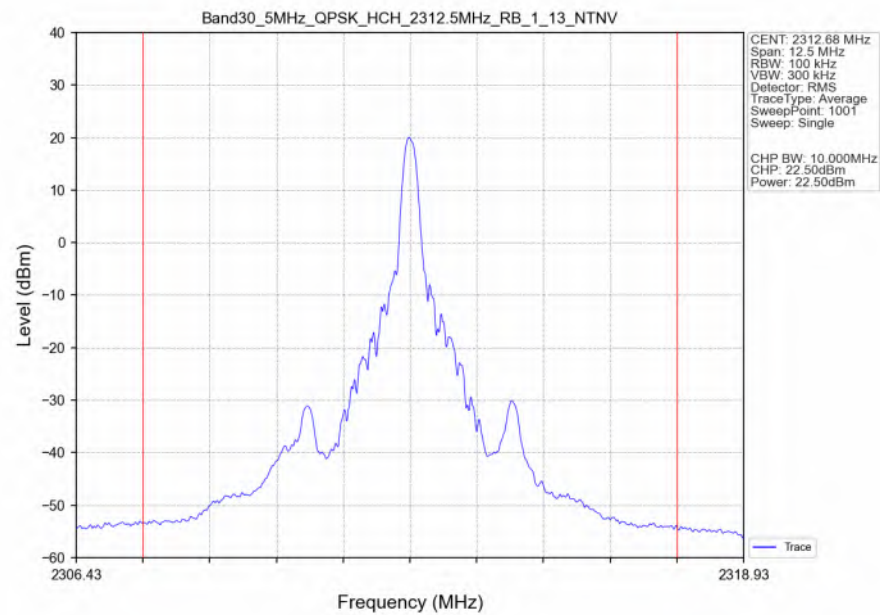
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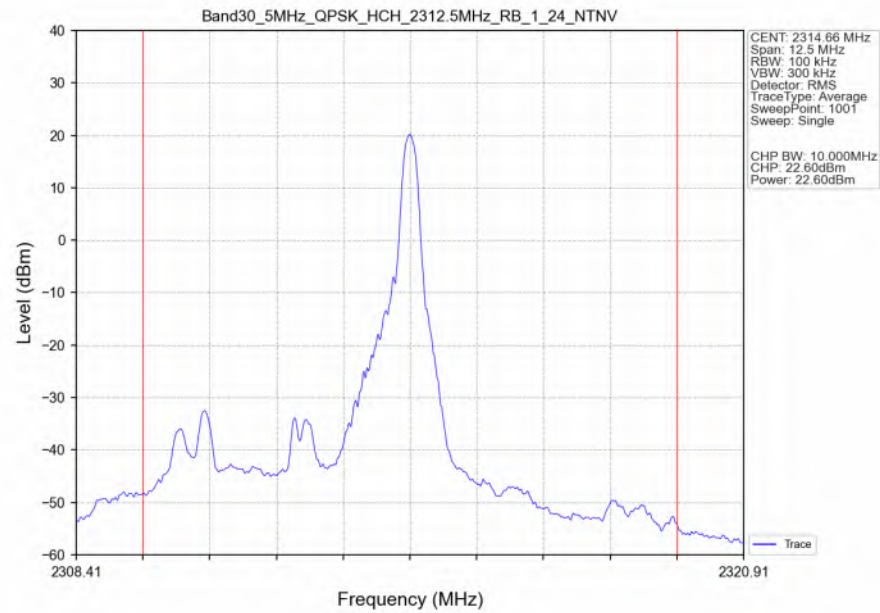
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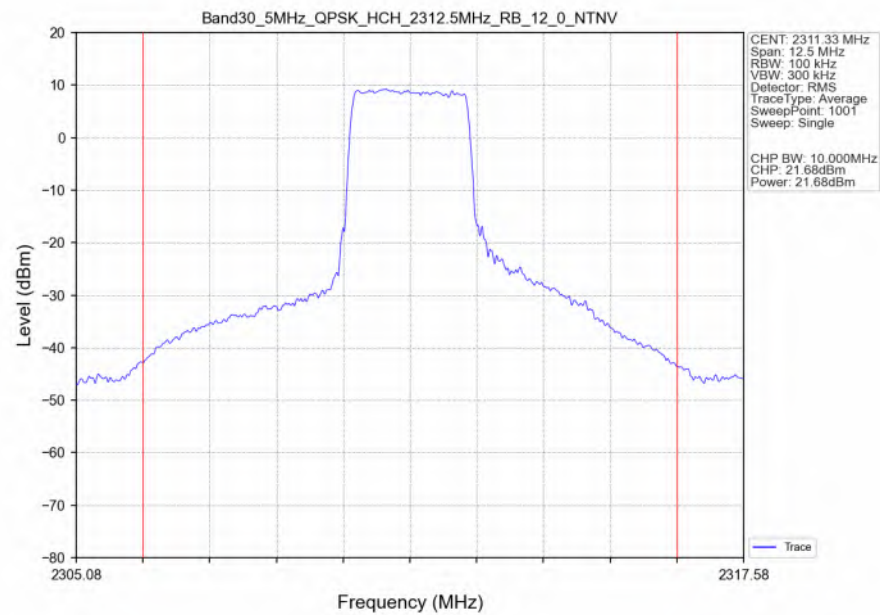
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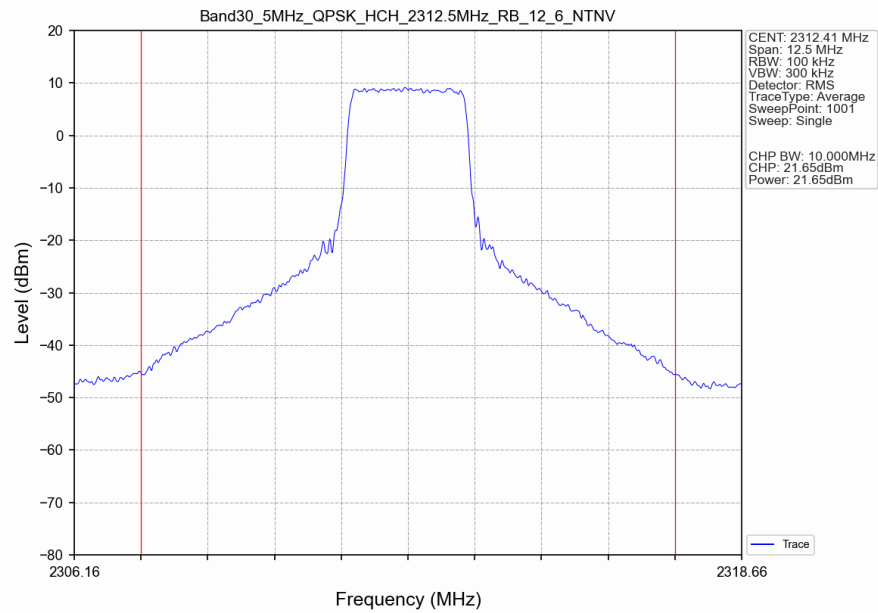
Band30 5MHz QPSK HCH 2312.5MHz RB 1 24 NTNV



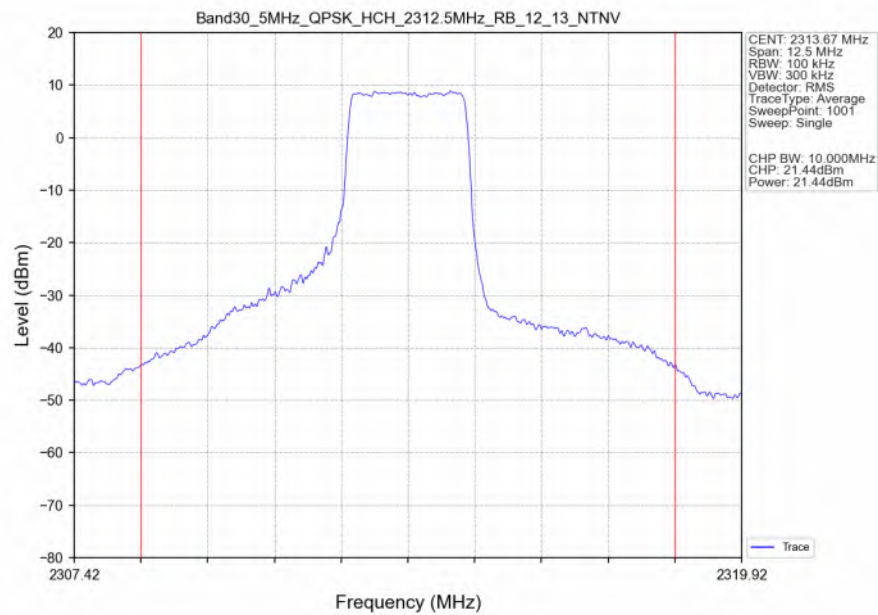
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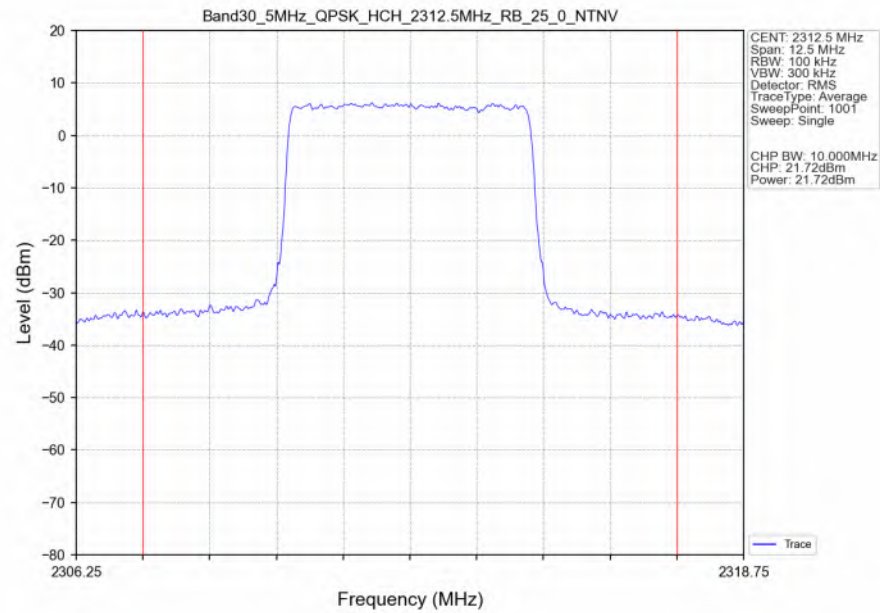
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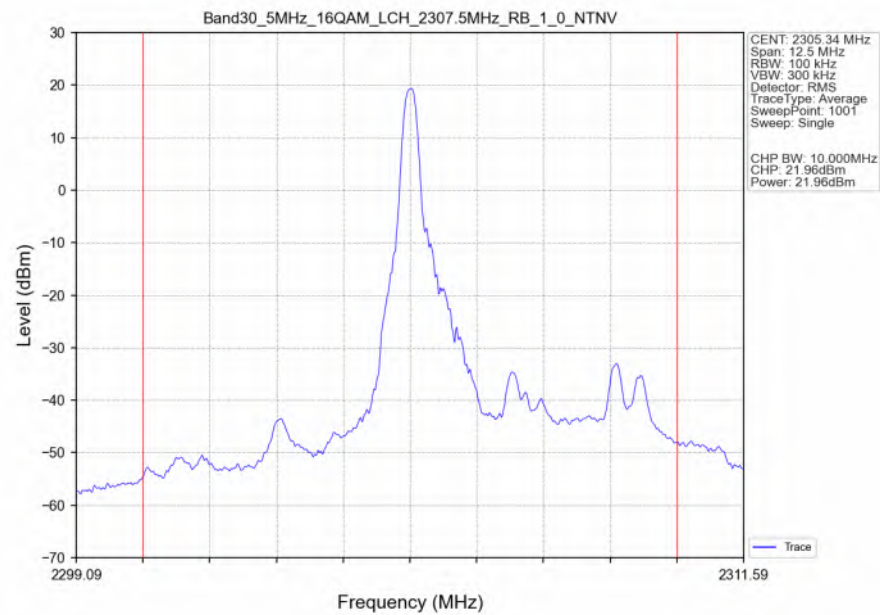
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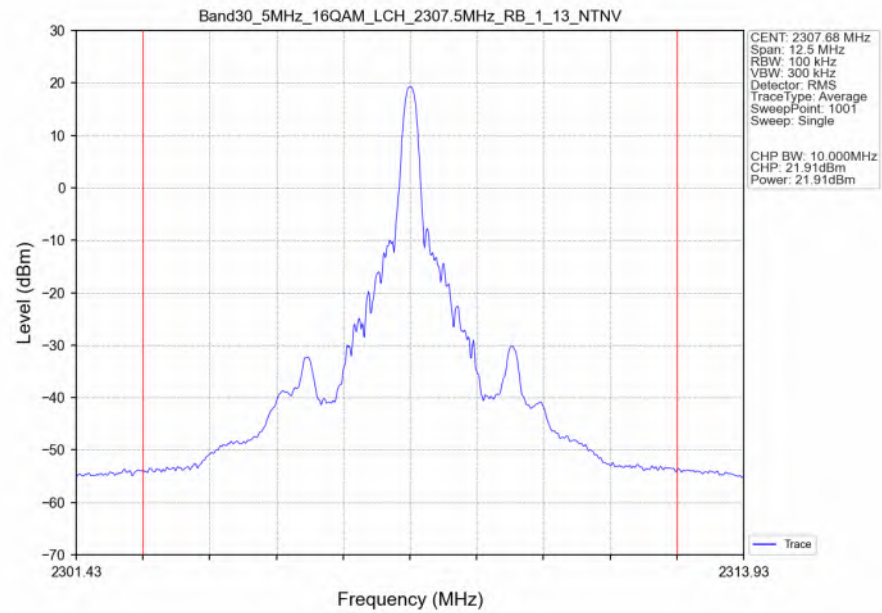
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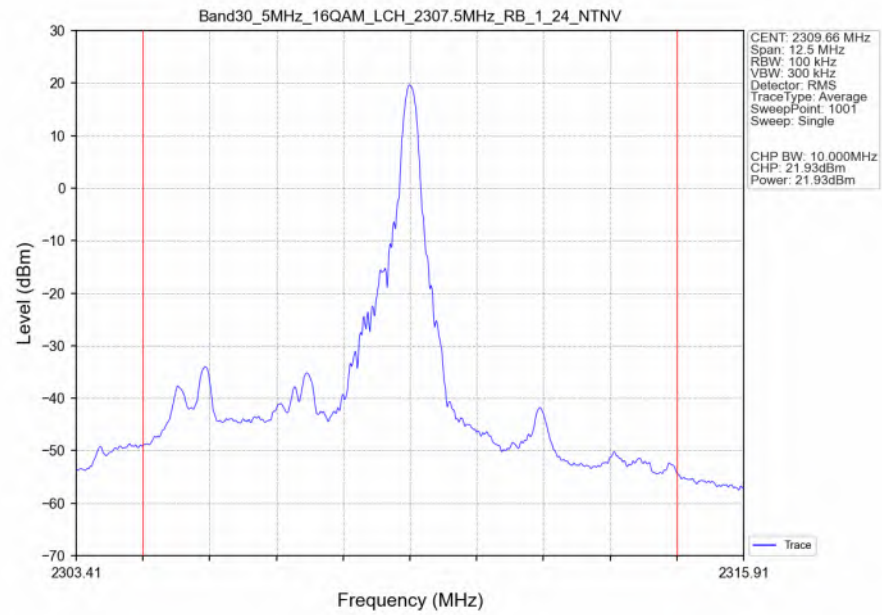
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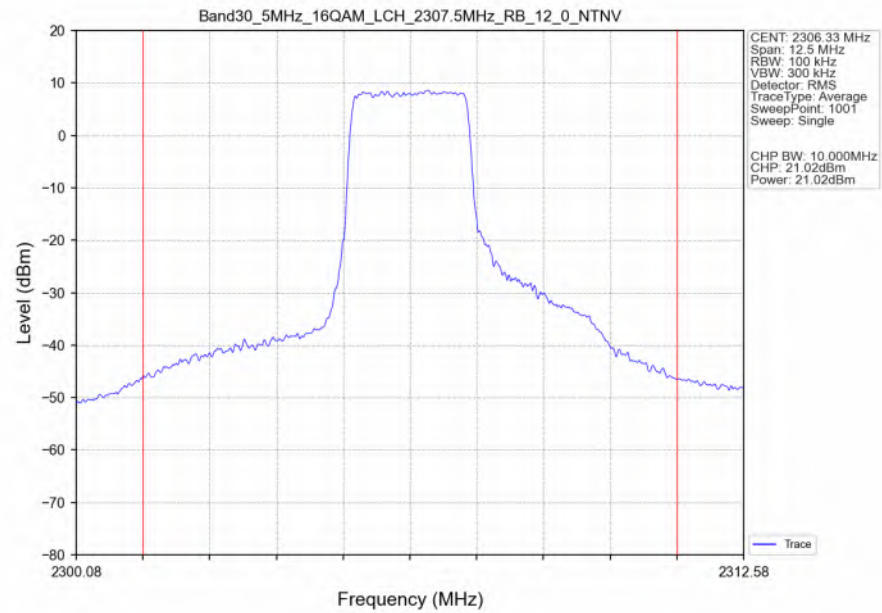
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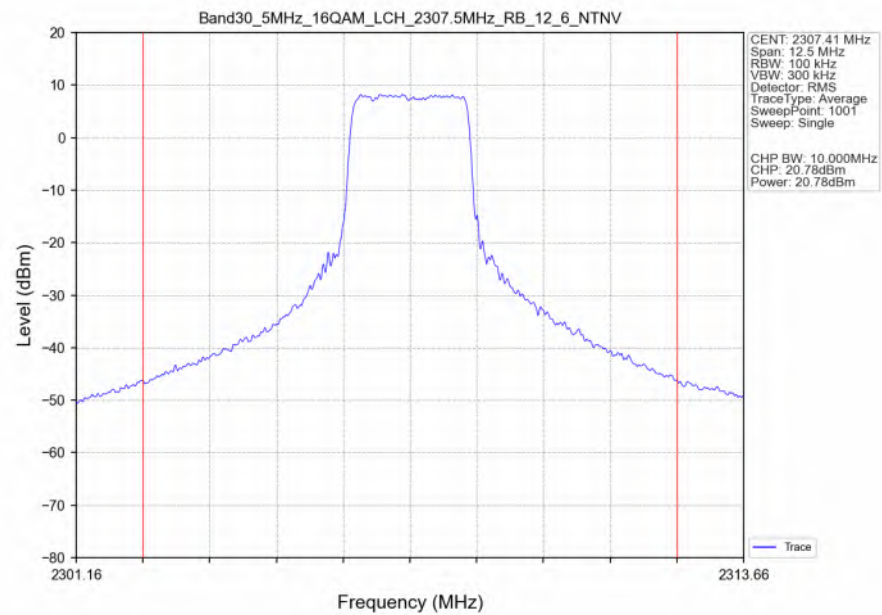
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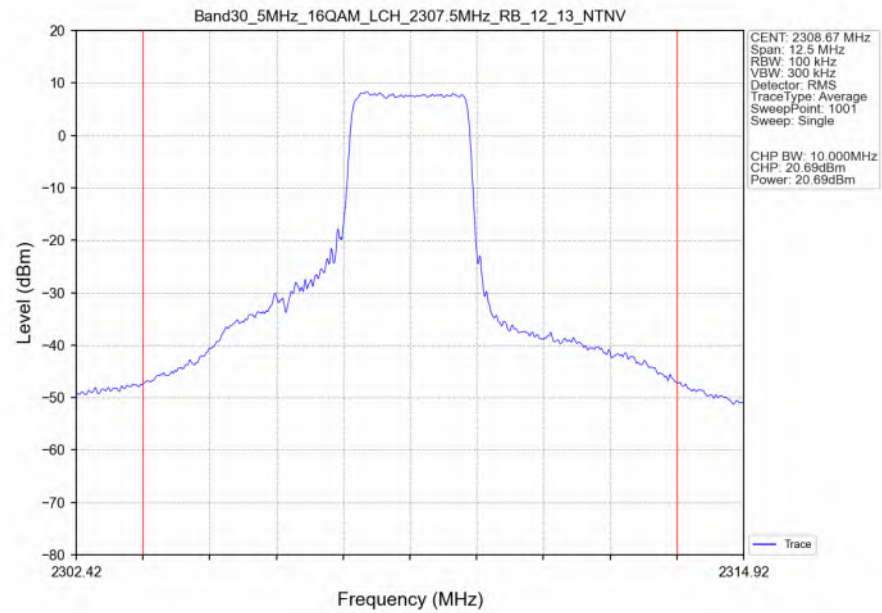
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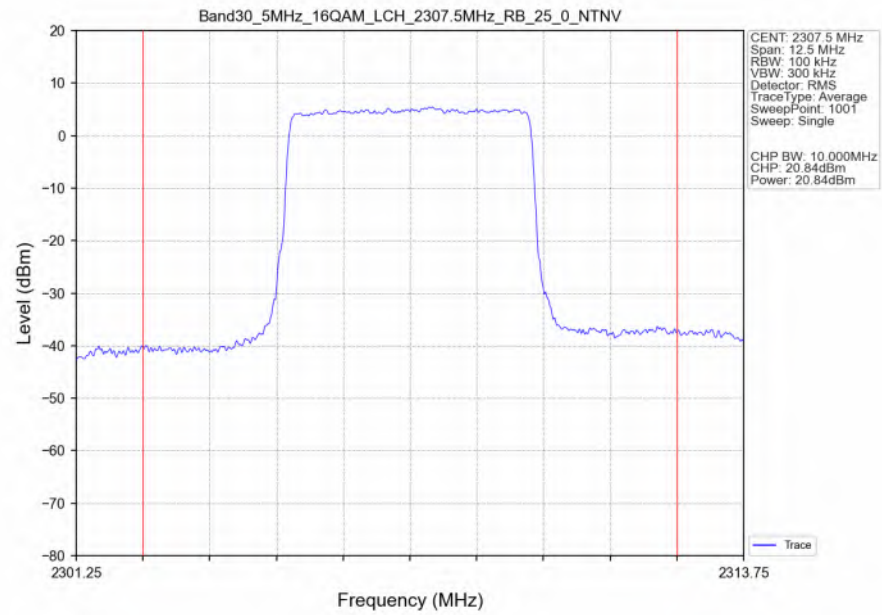
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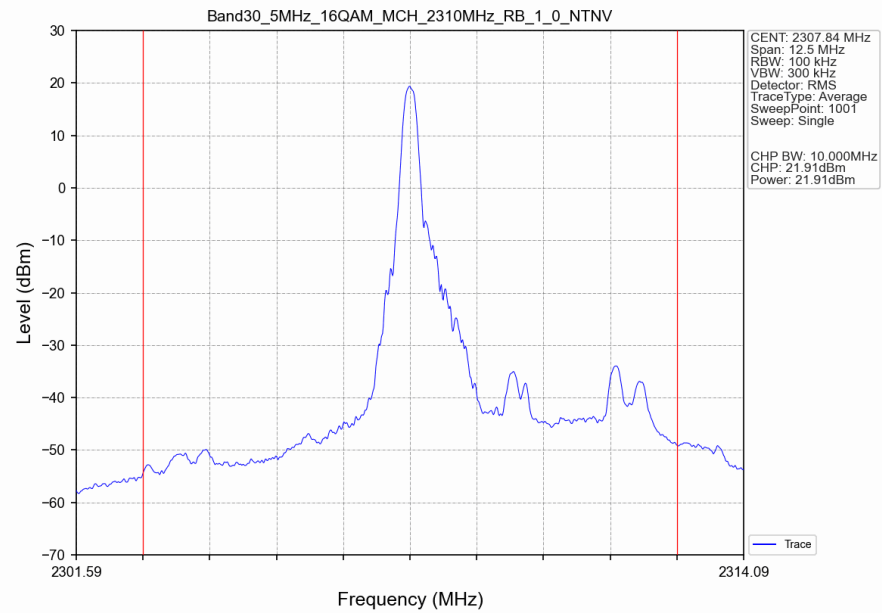
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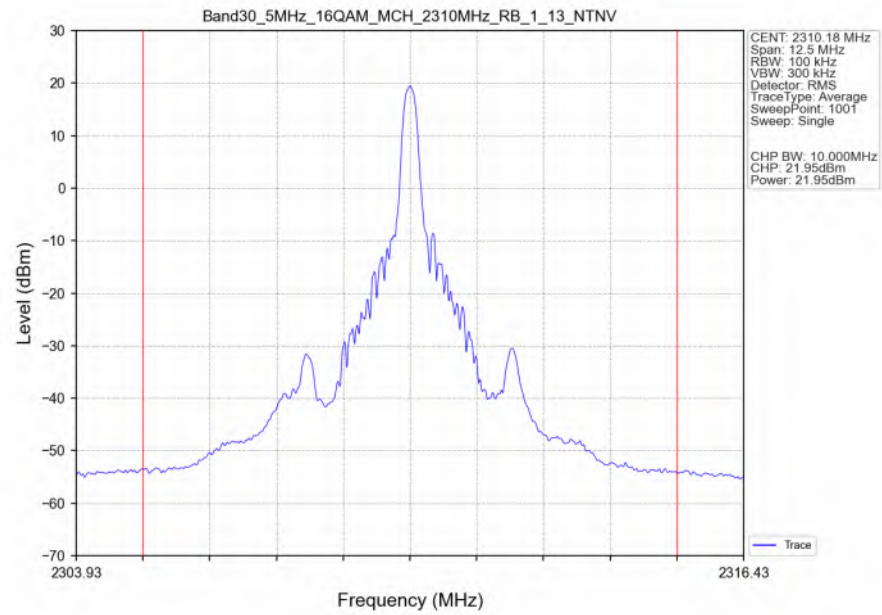
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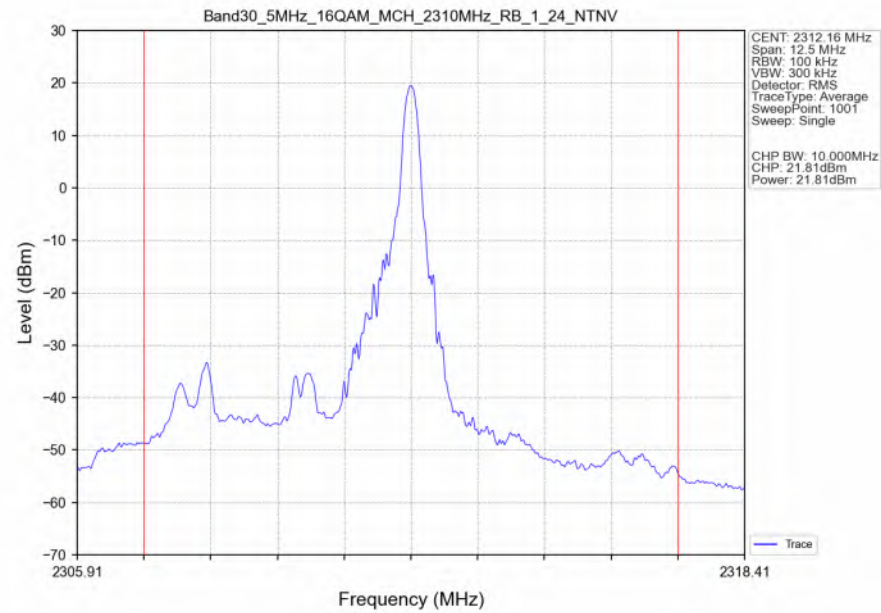
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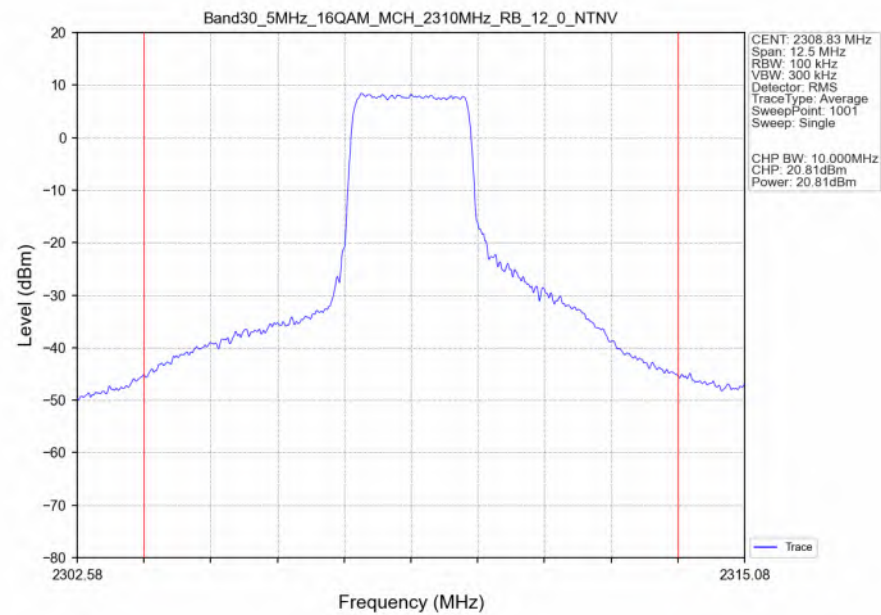
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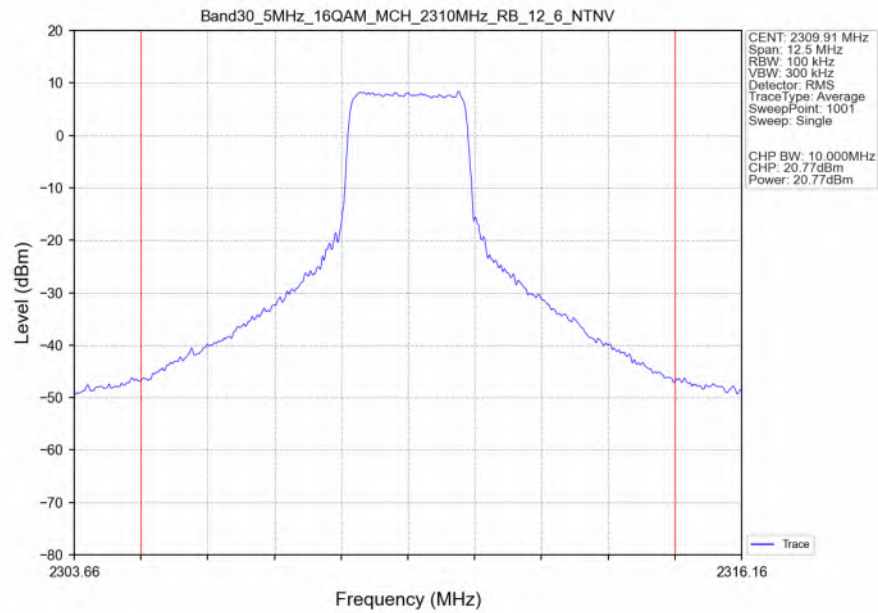
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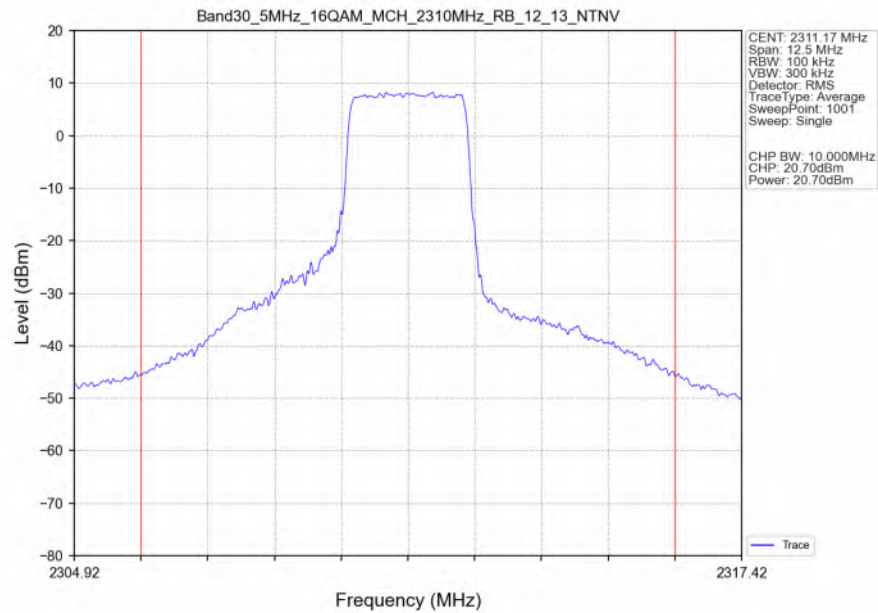
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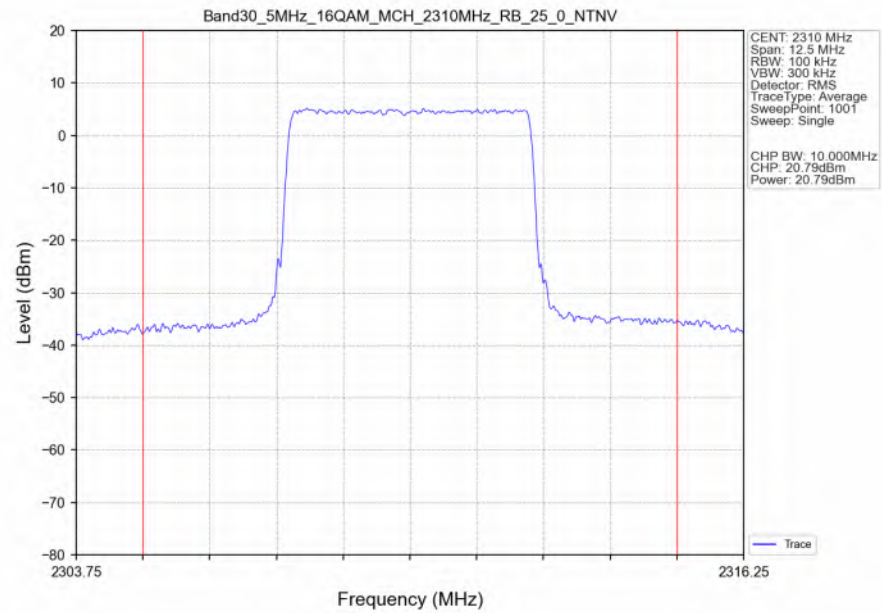
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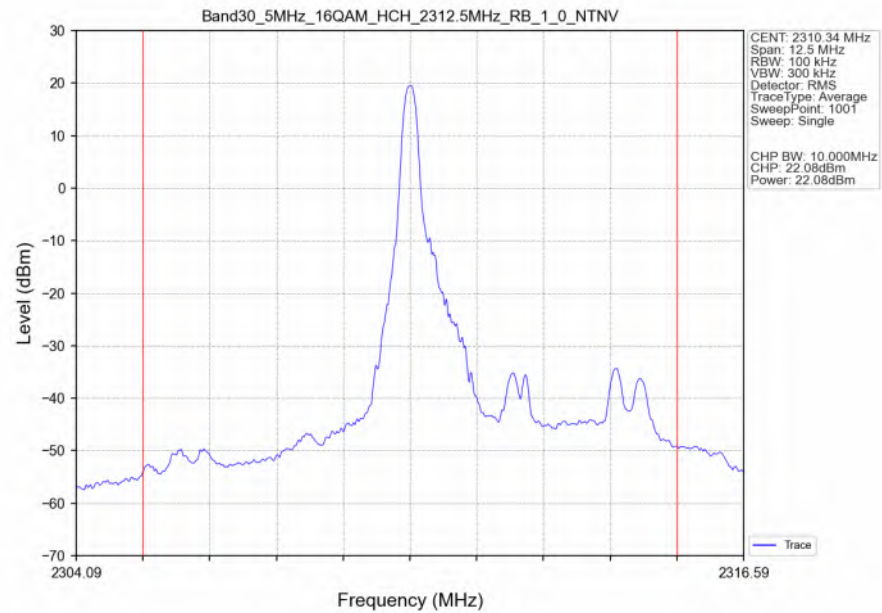
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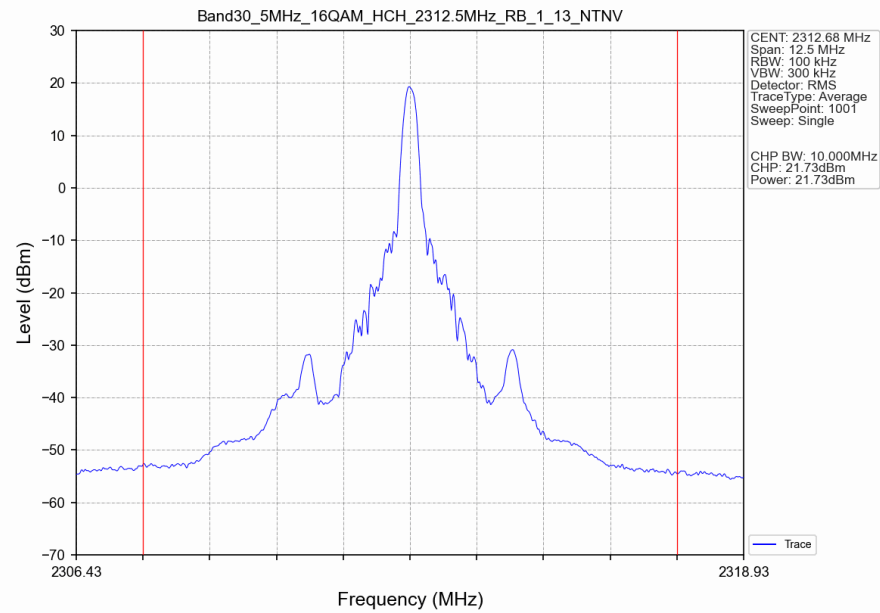
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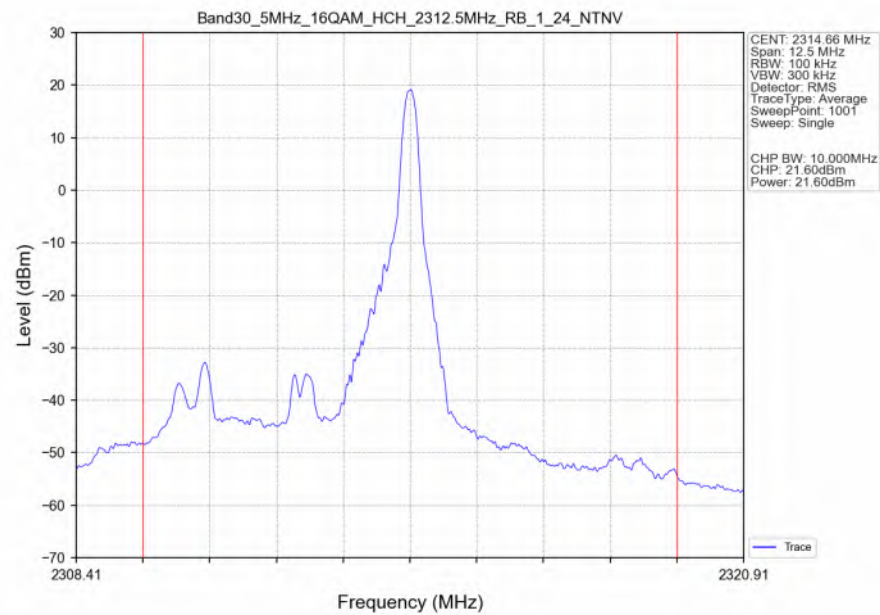
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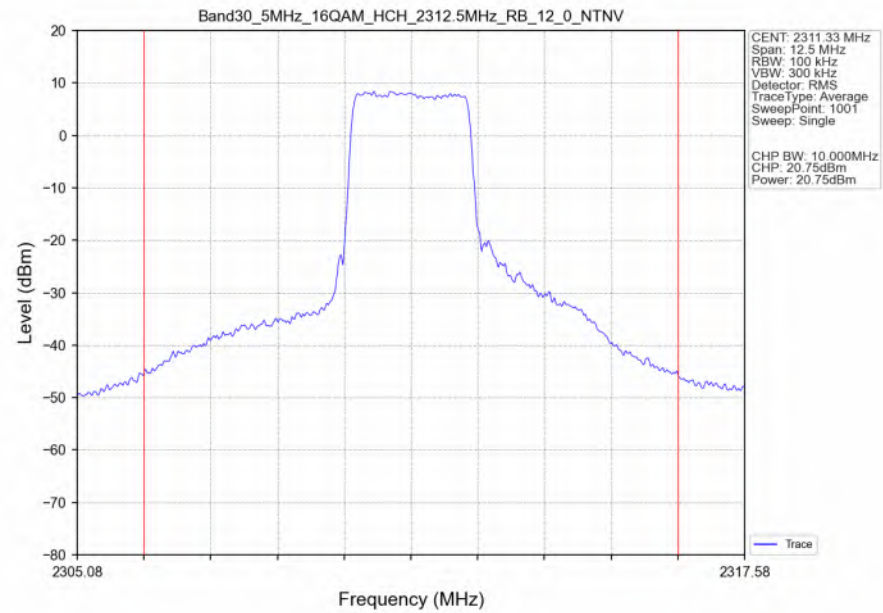
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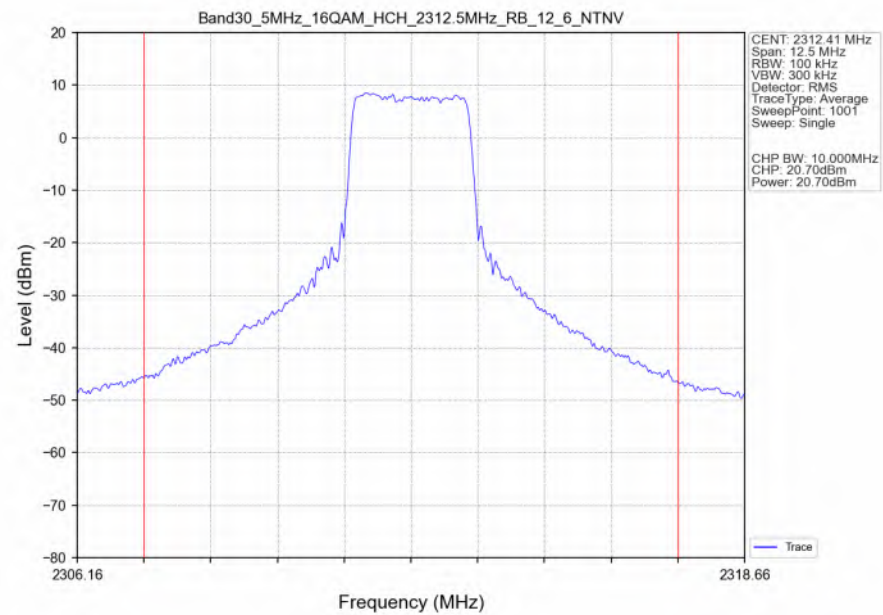
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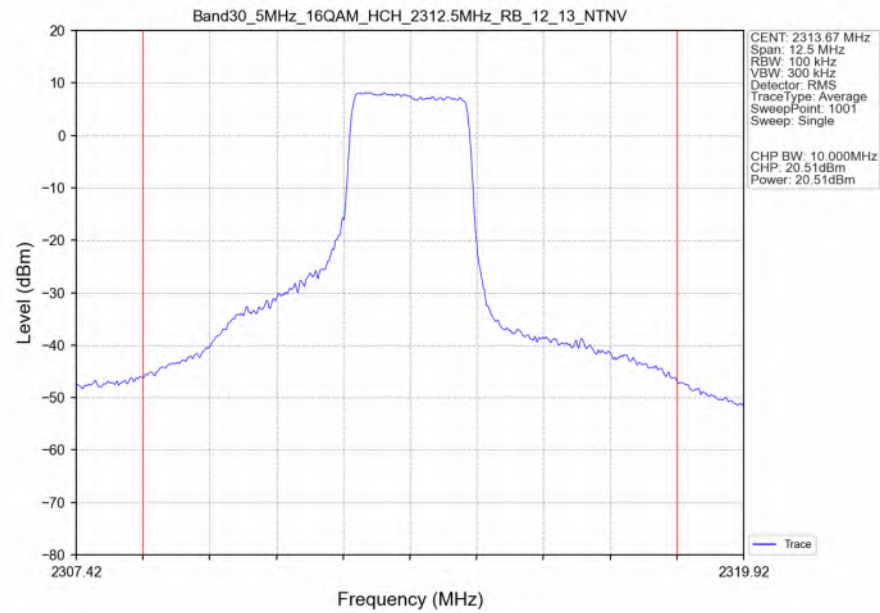
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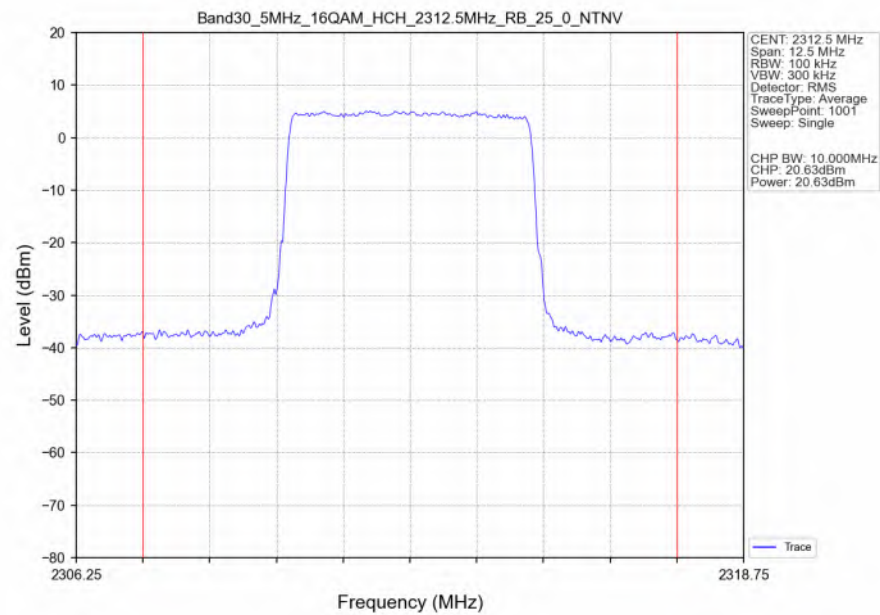
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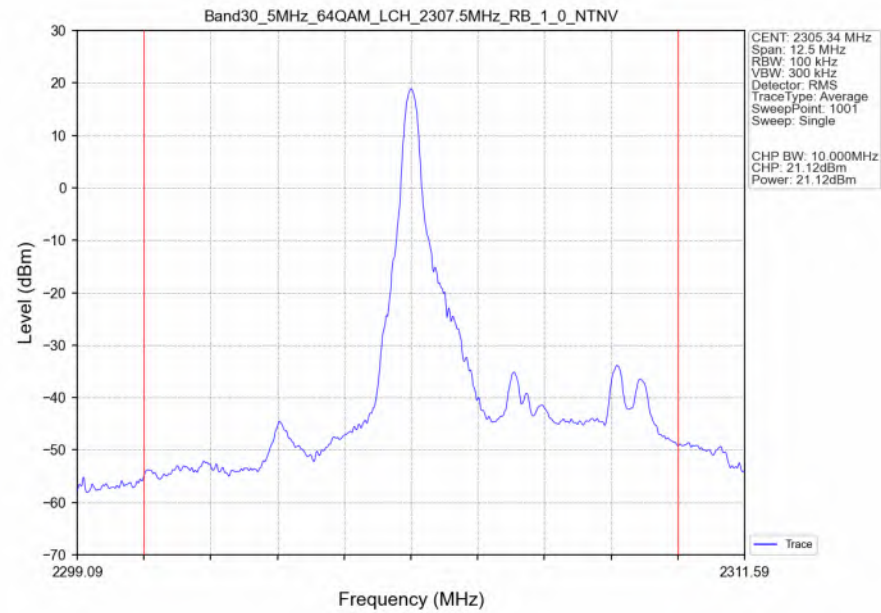
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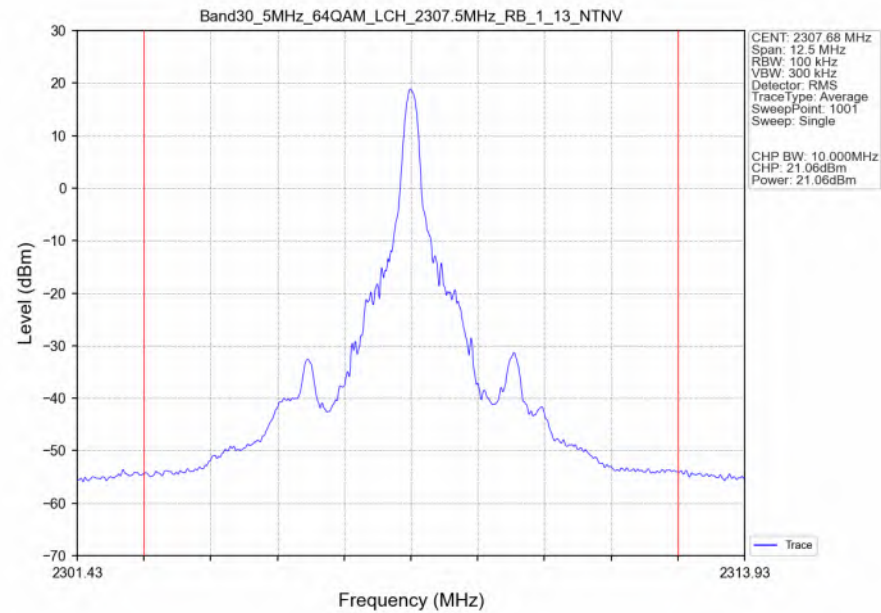
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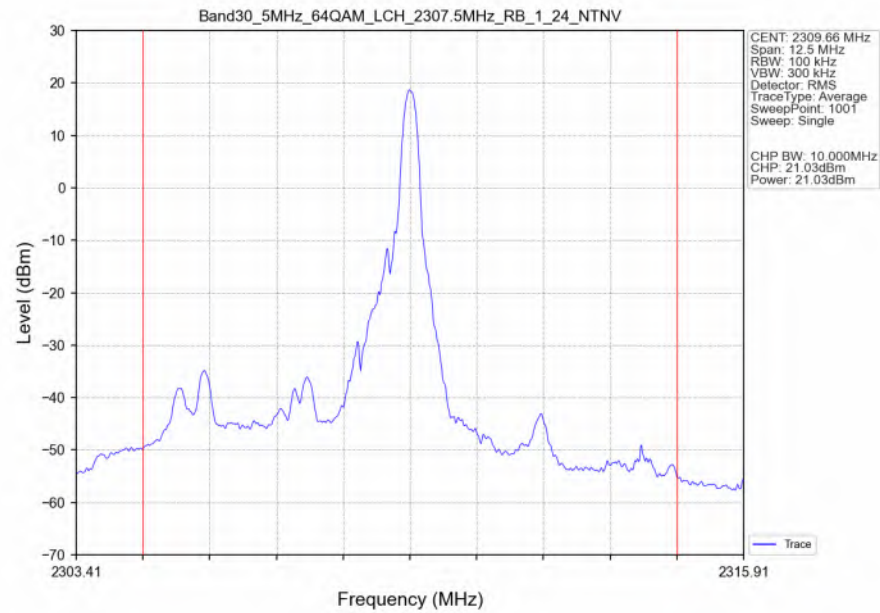
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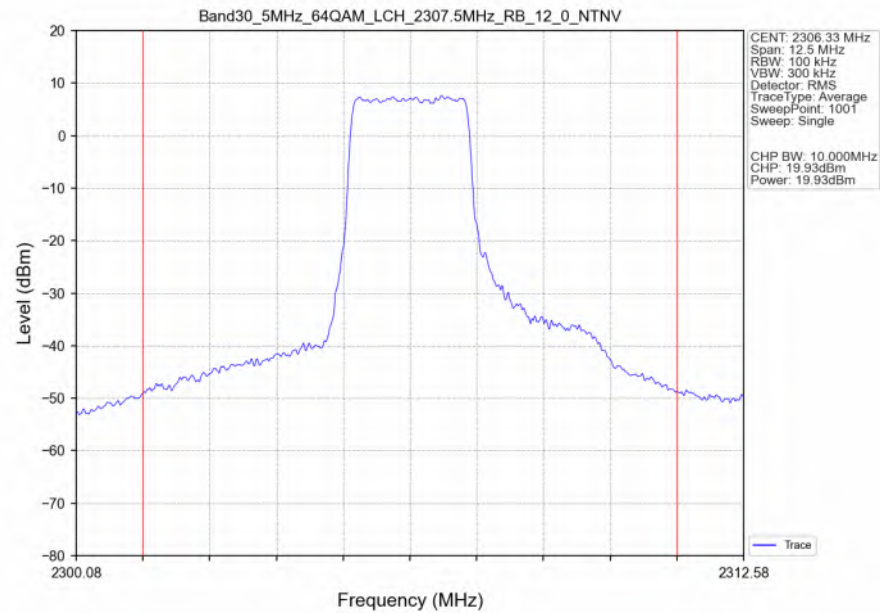
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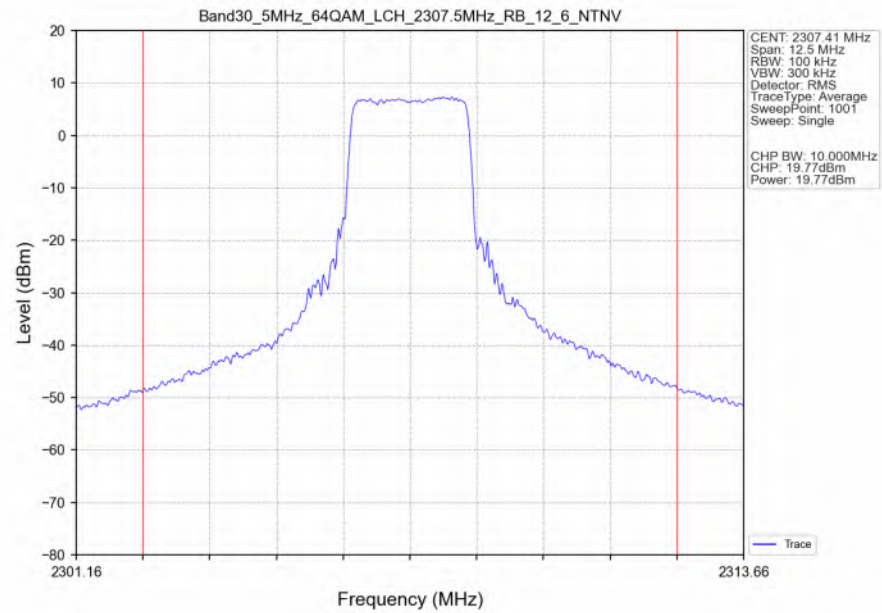
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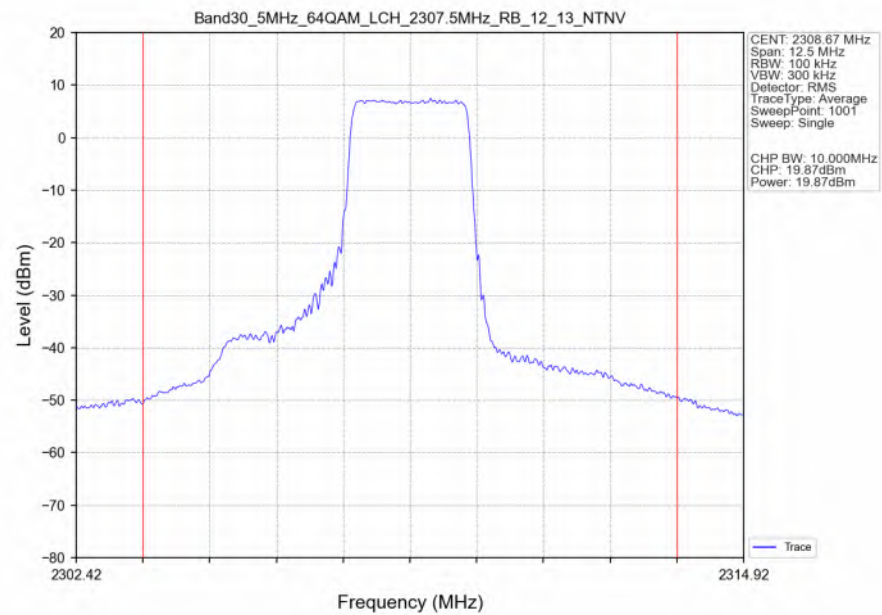
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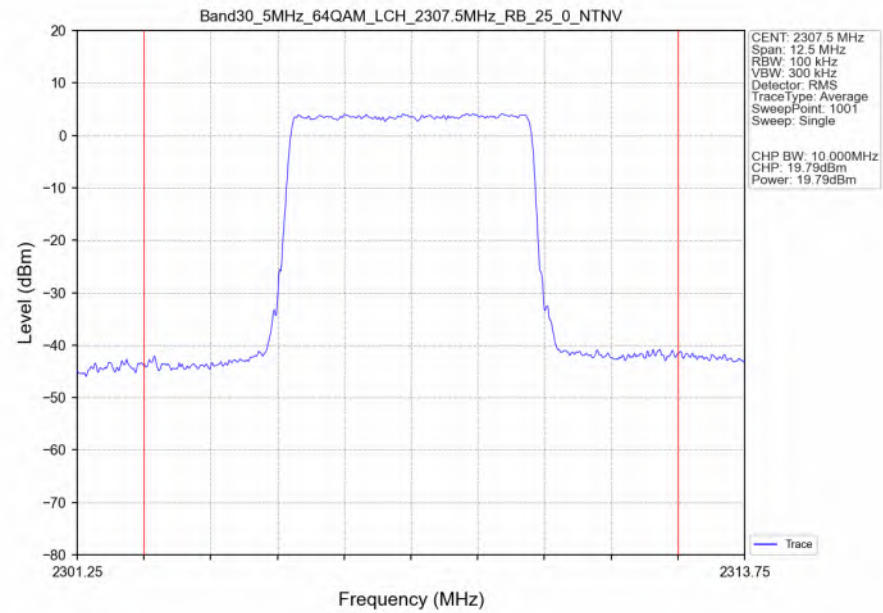
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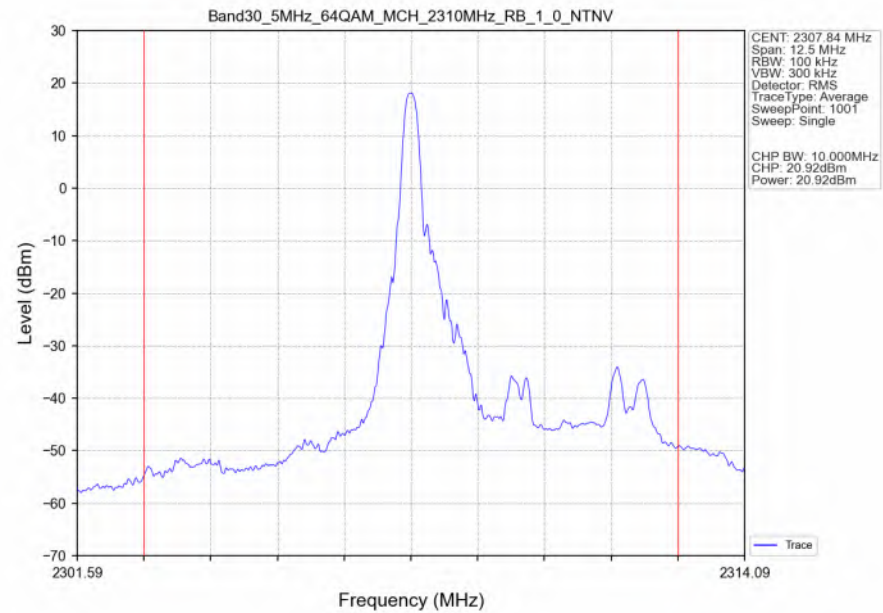
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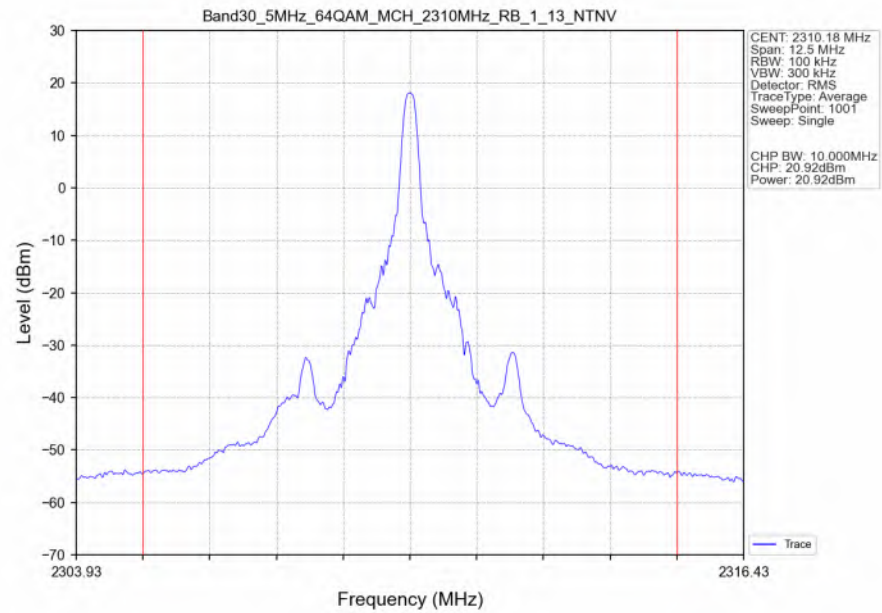
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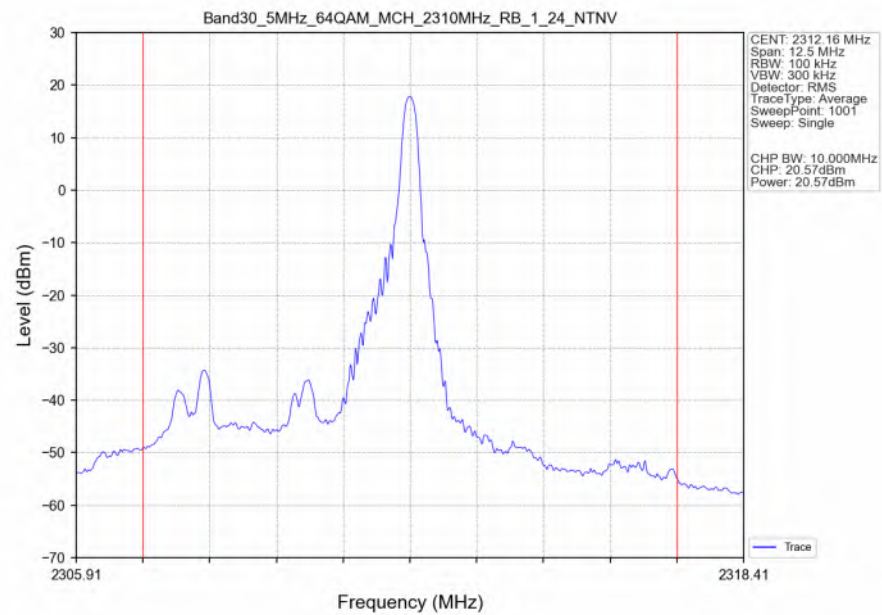
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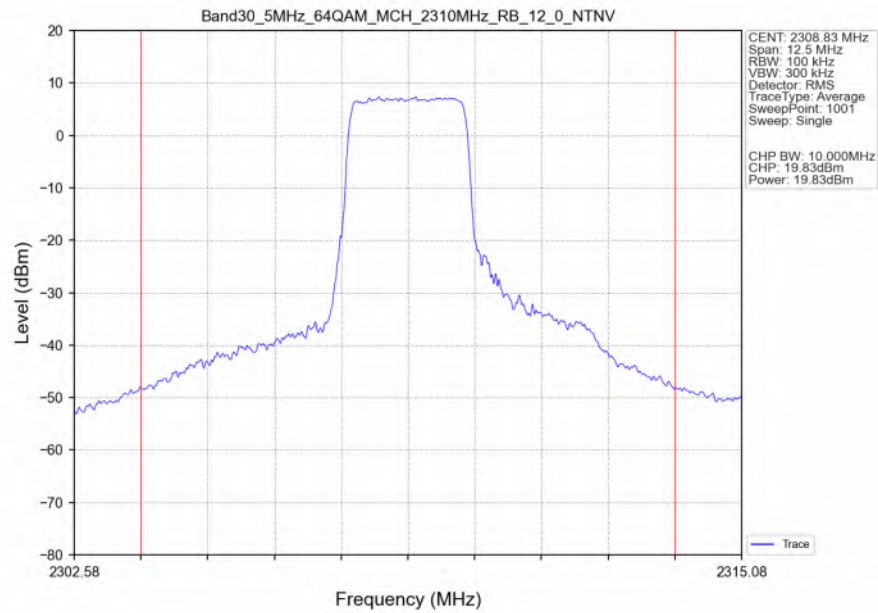
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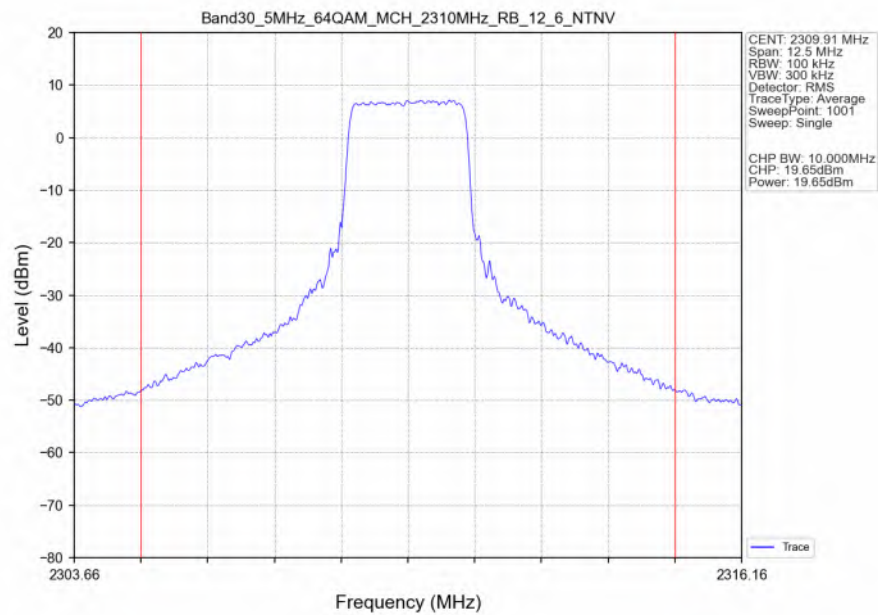
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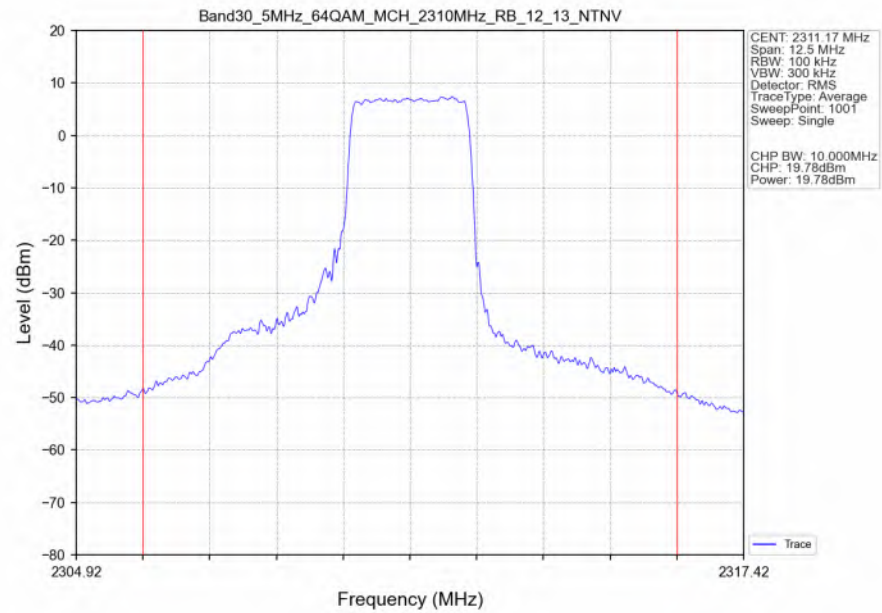
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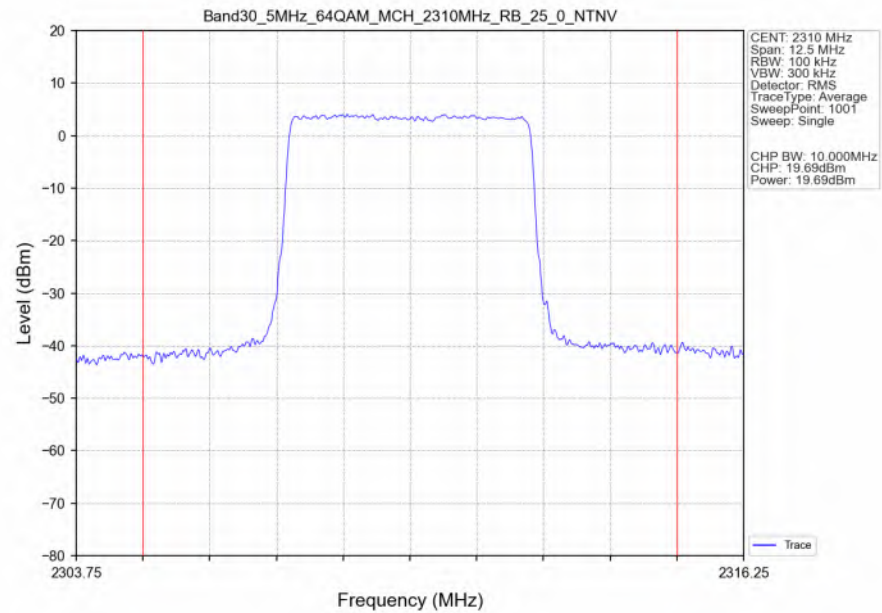
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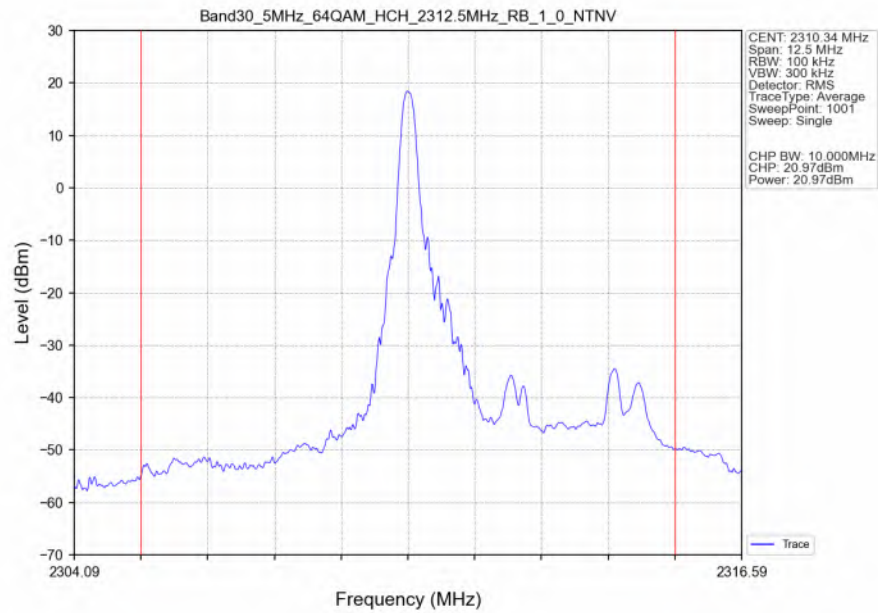
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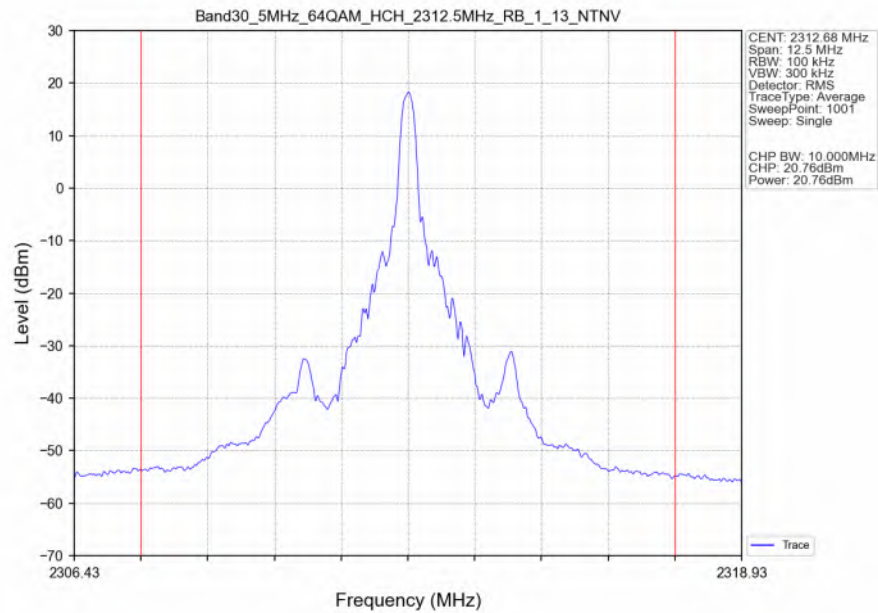
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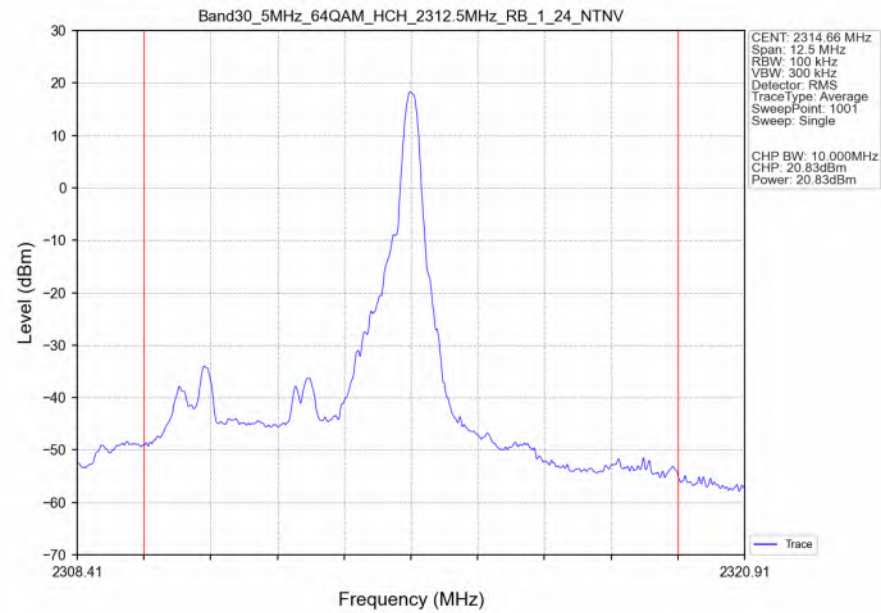
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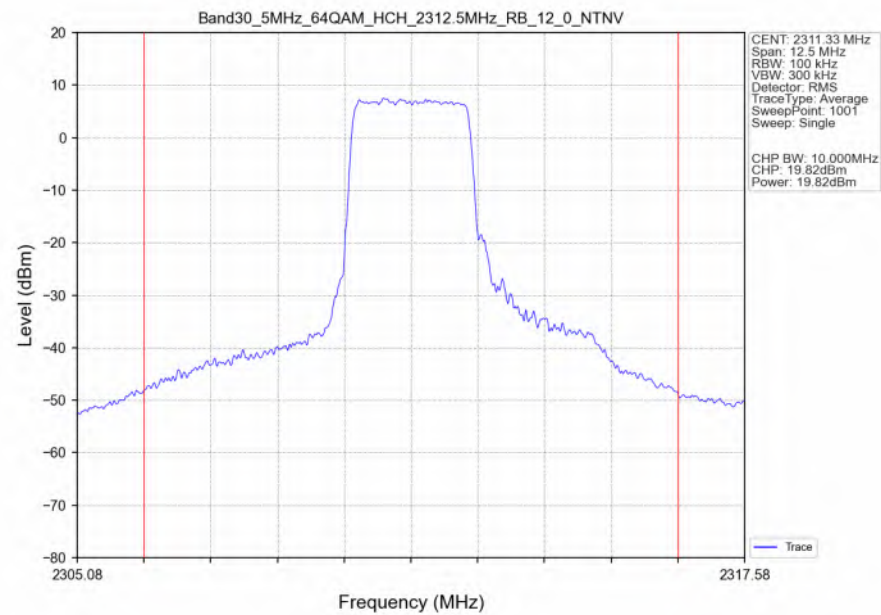
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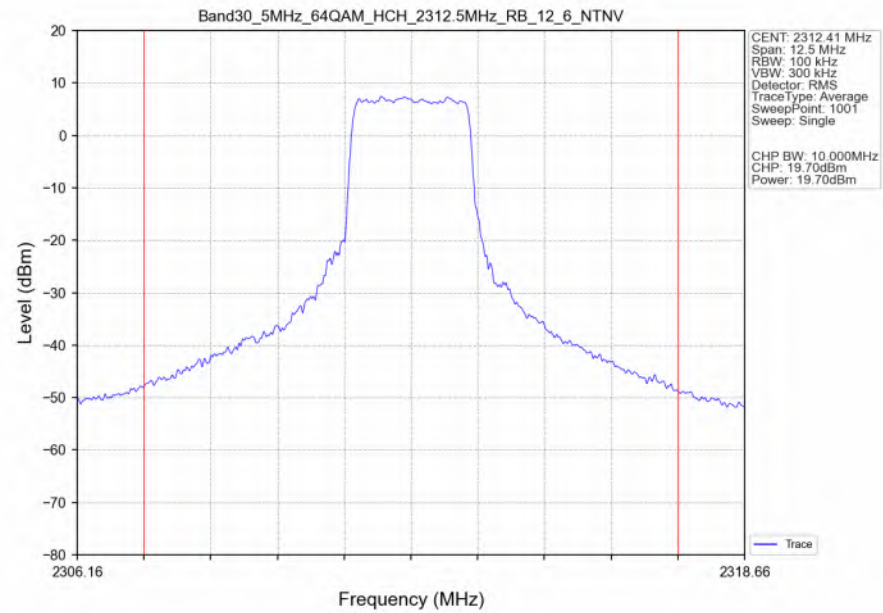
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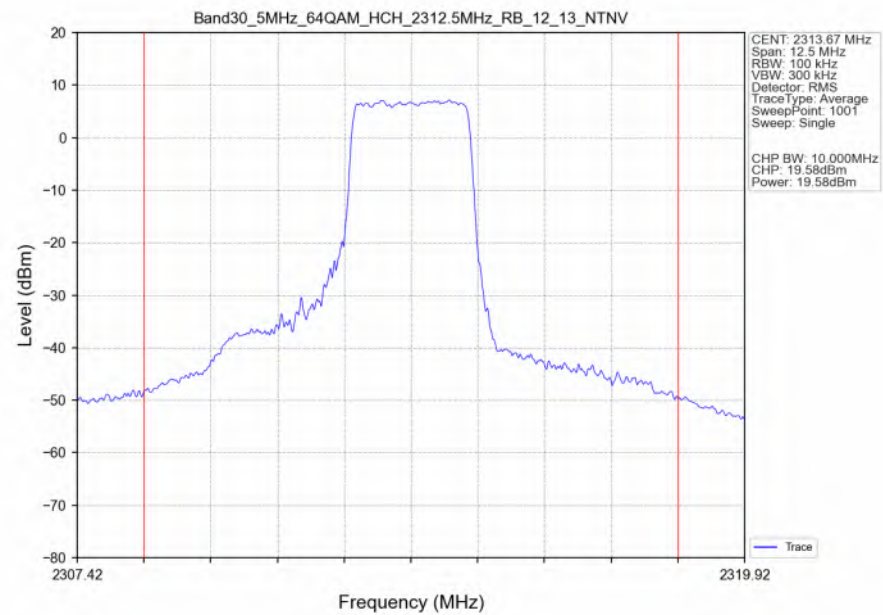
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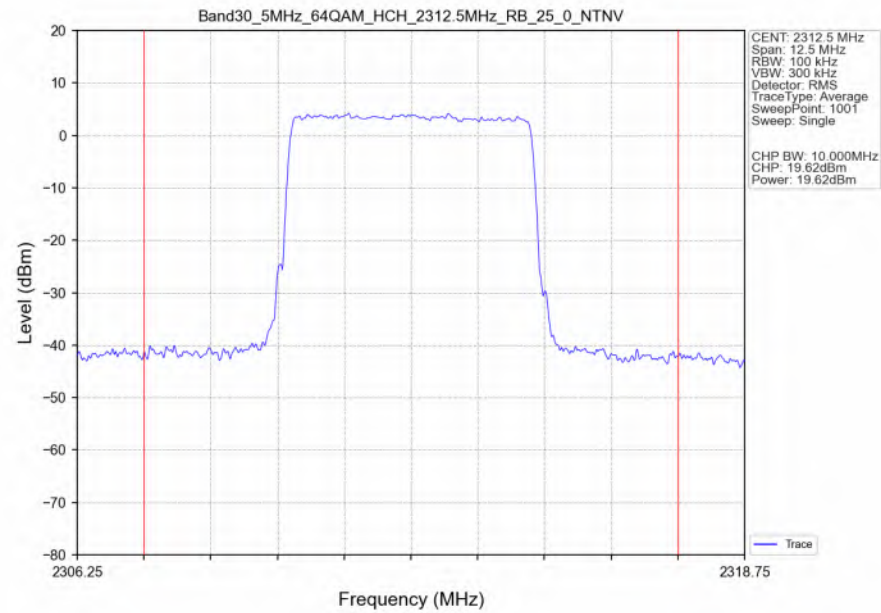
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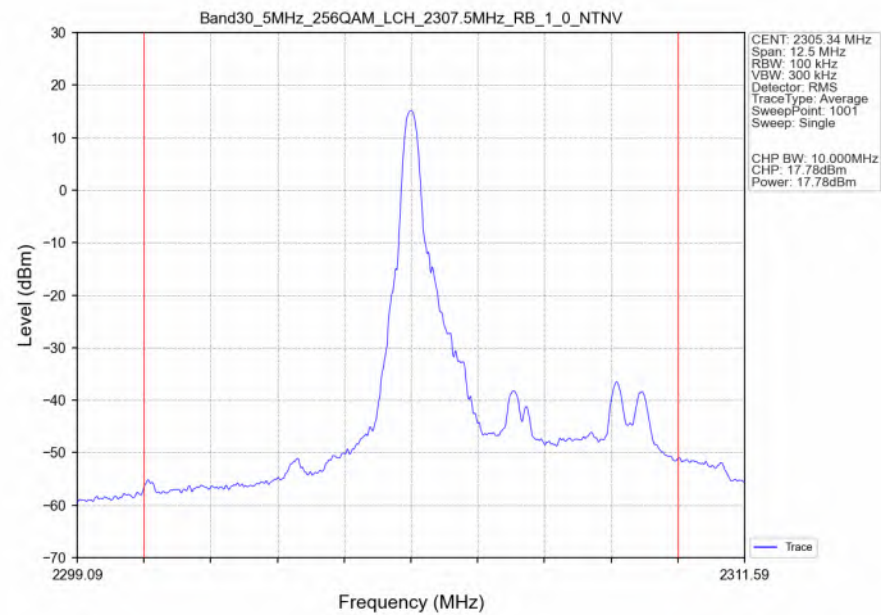
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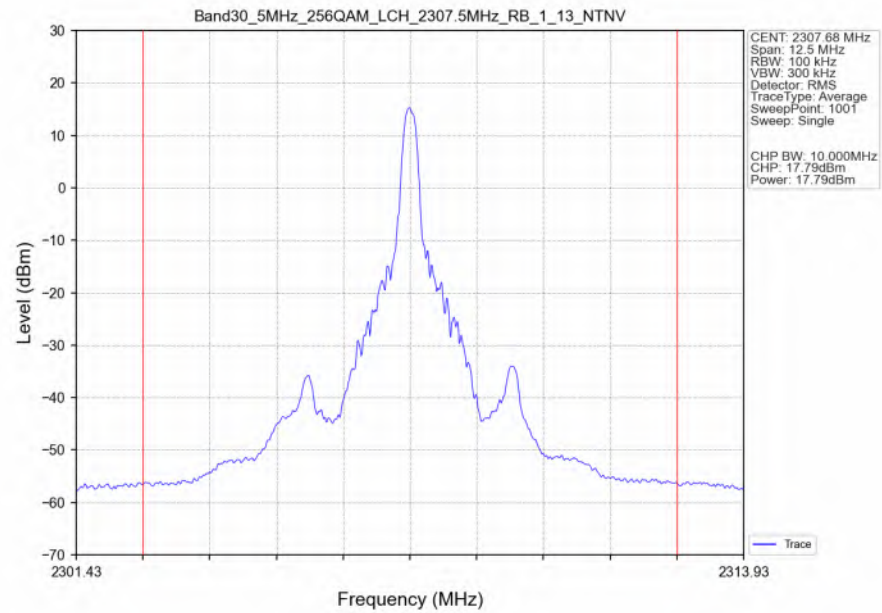
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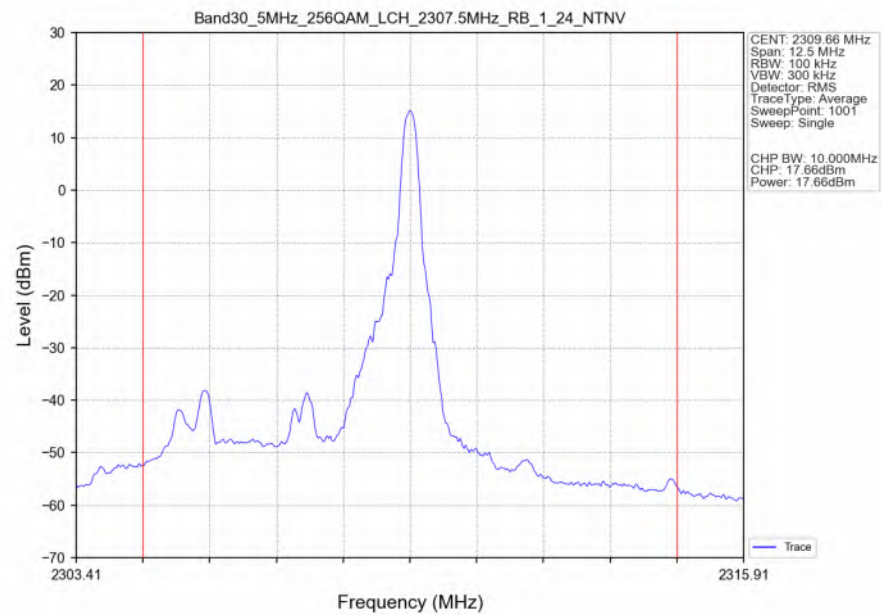
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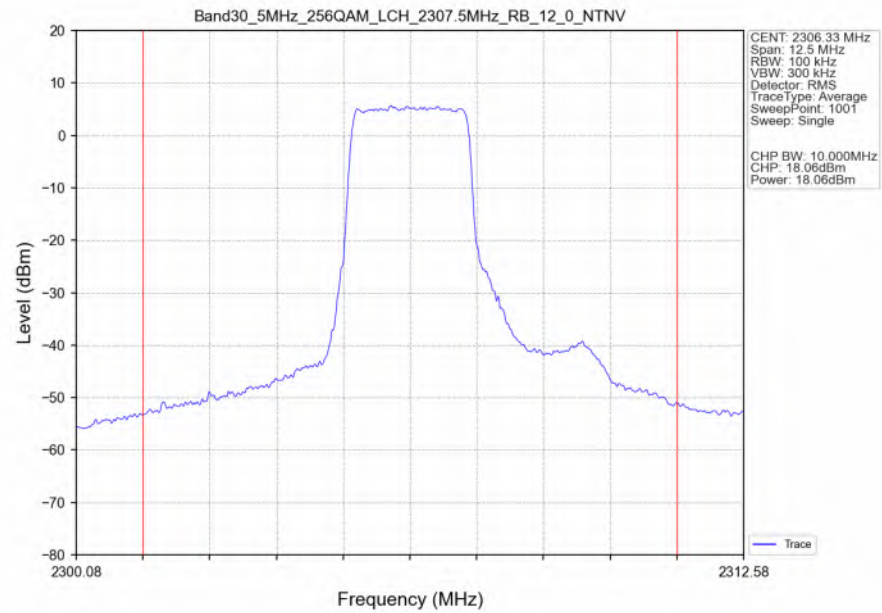
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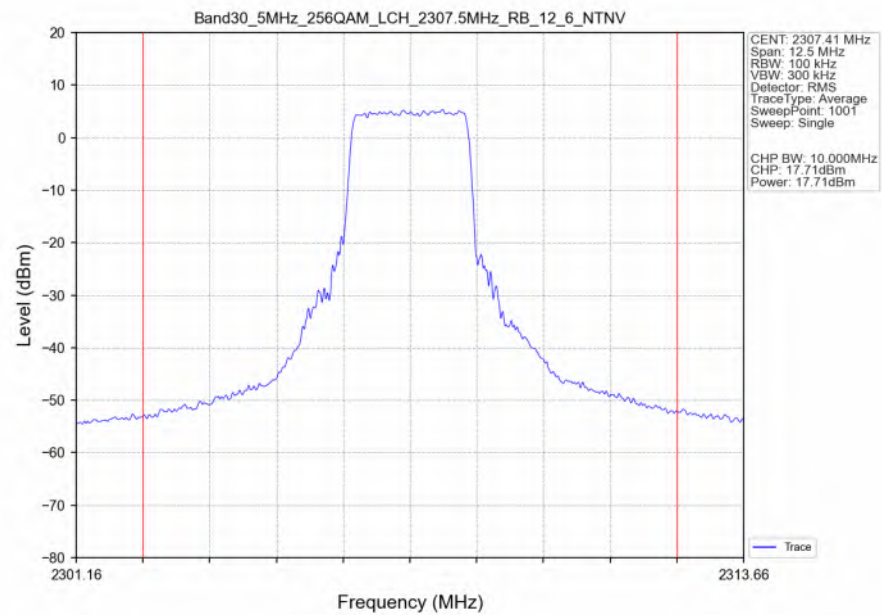
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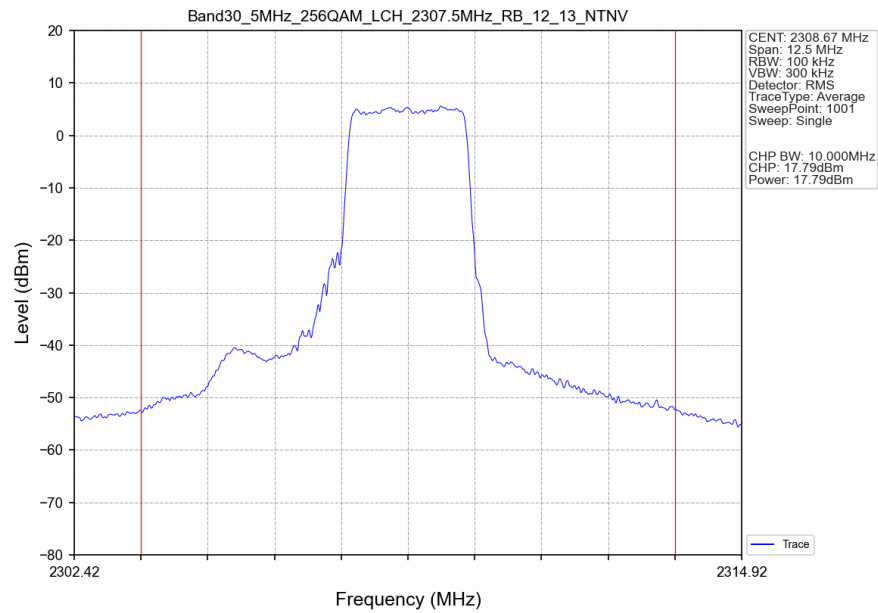
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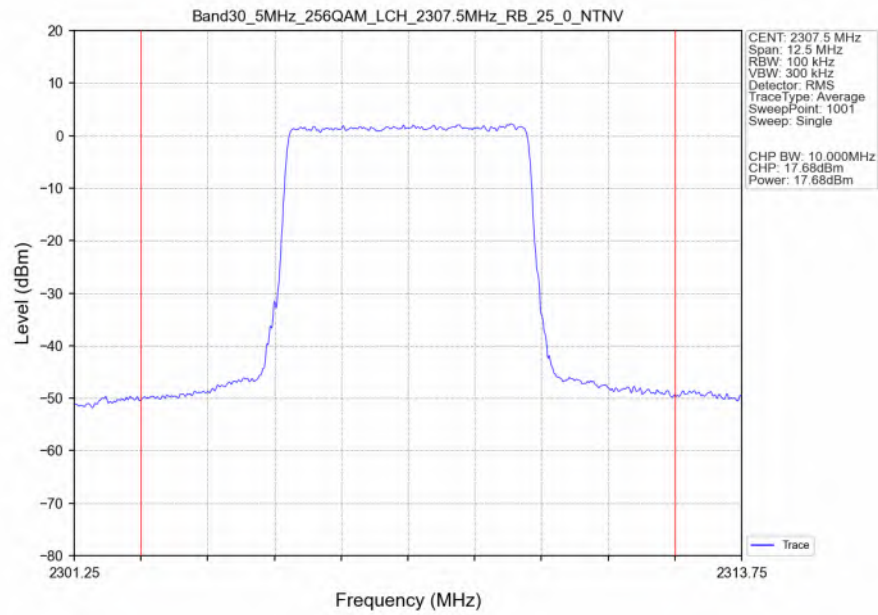
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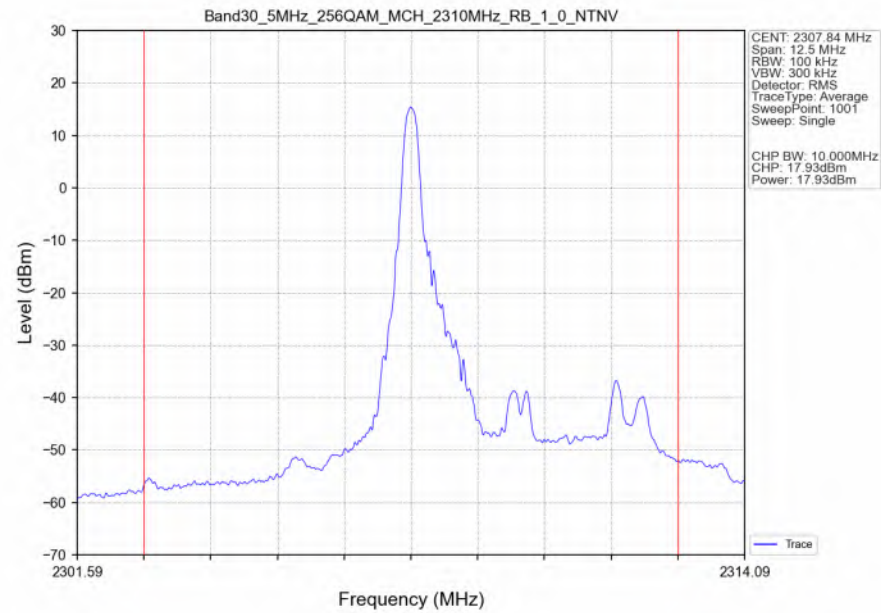
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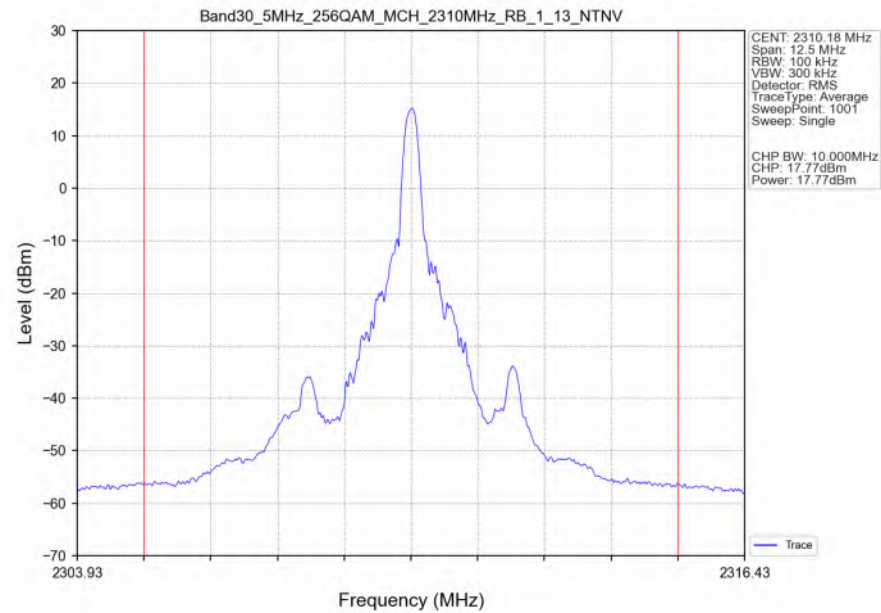
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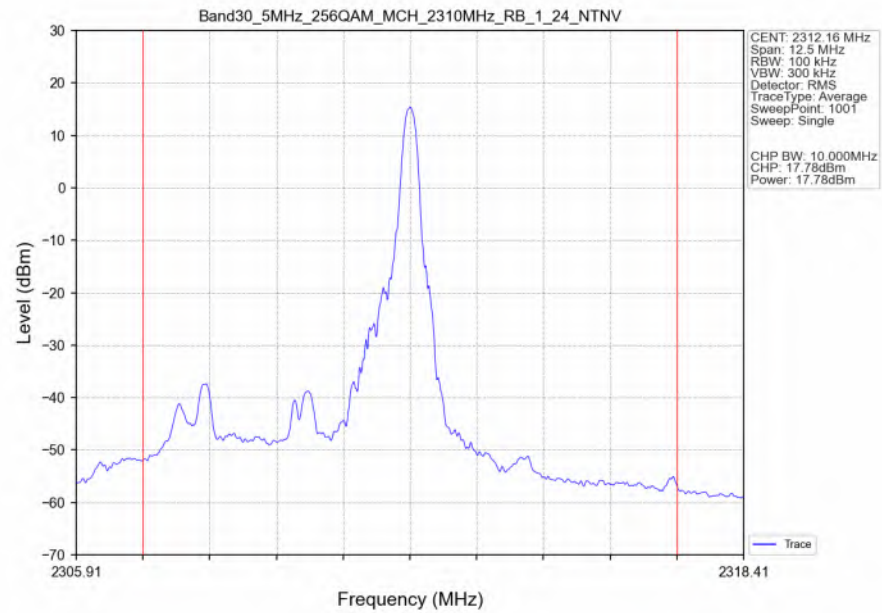
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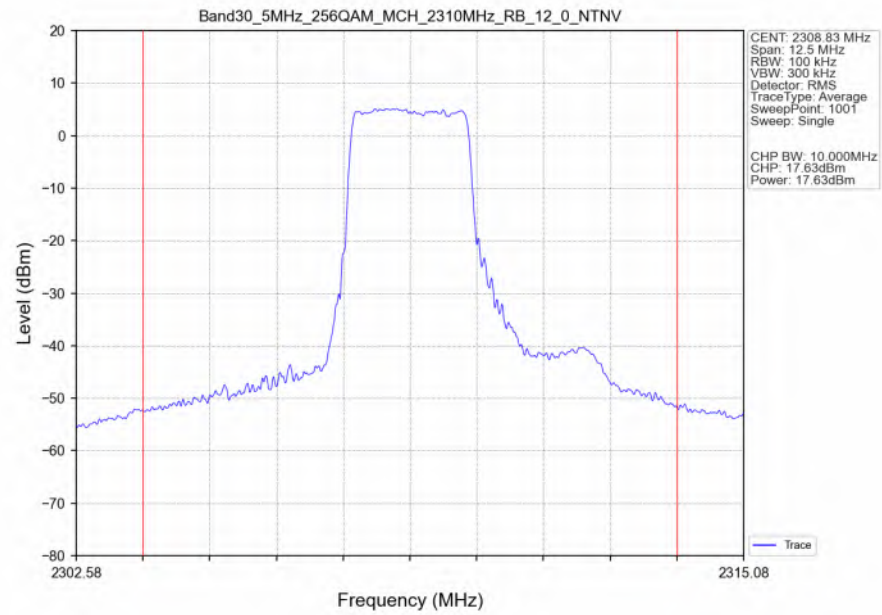
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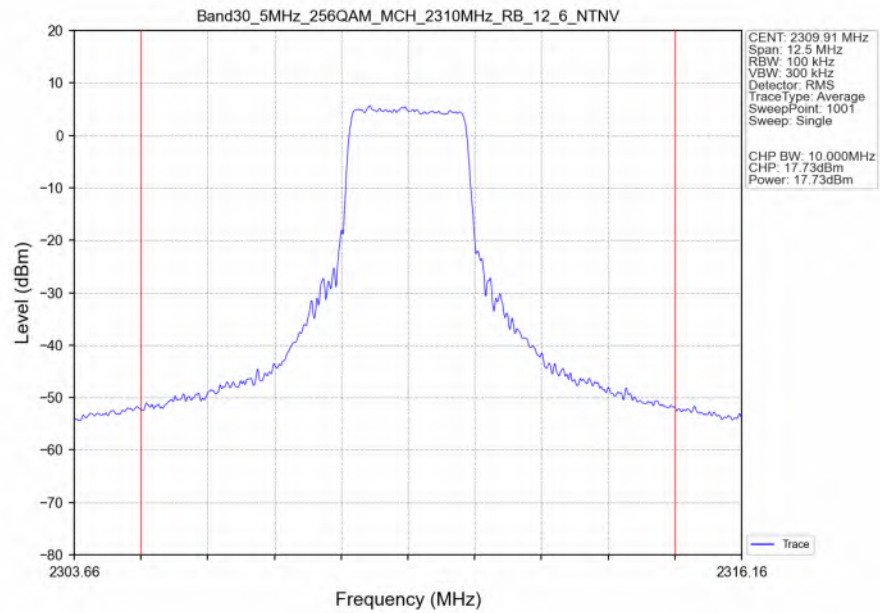
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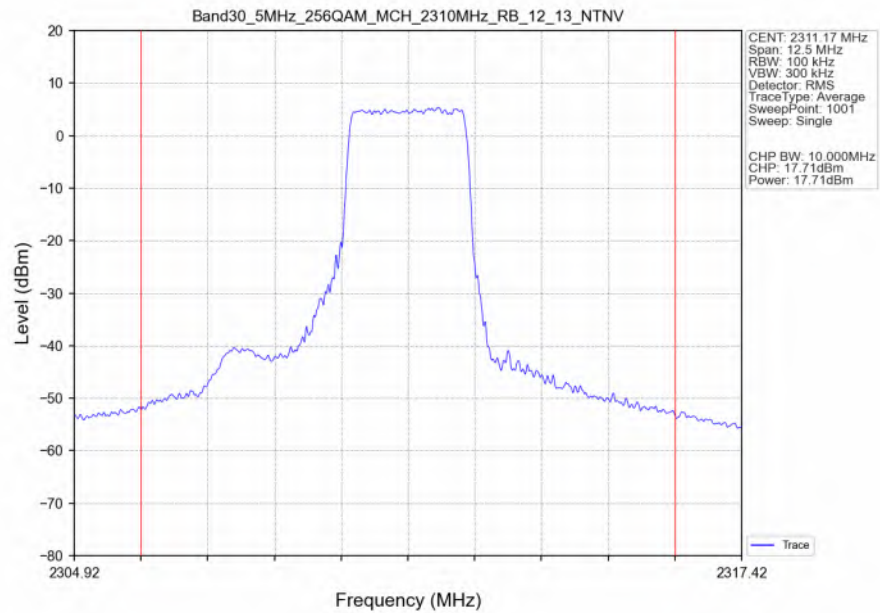
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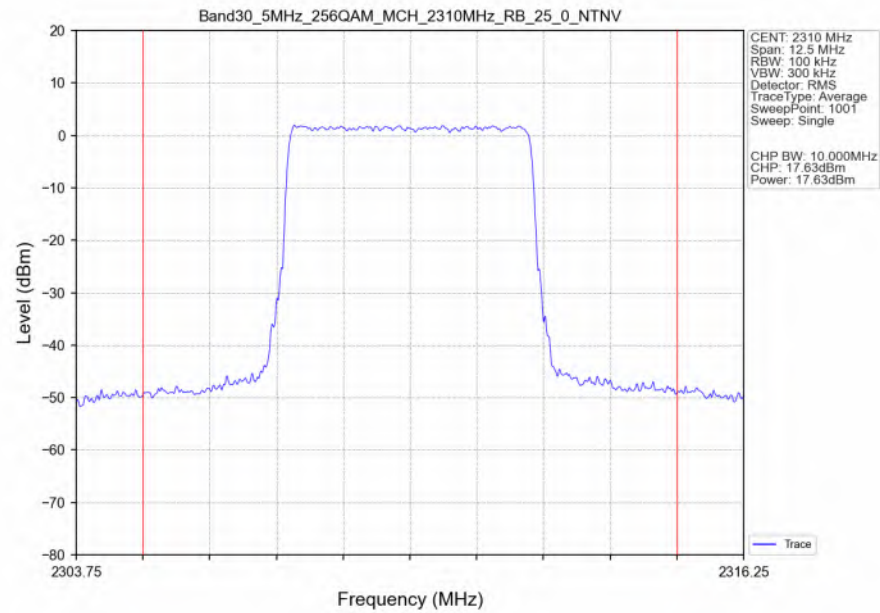
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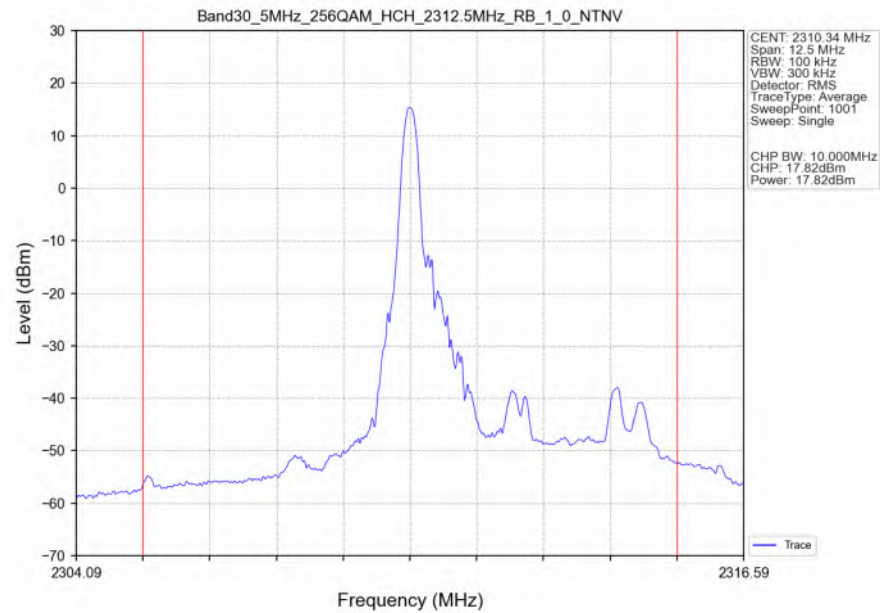
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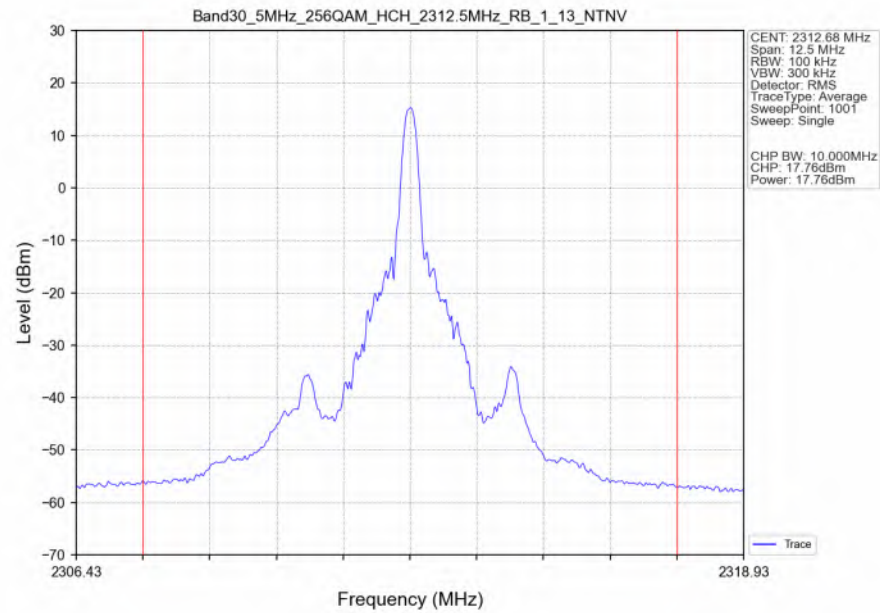
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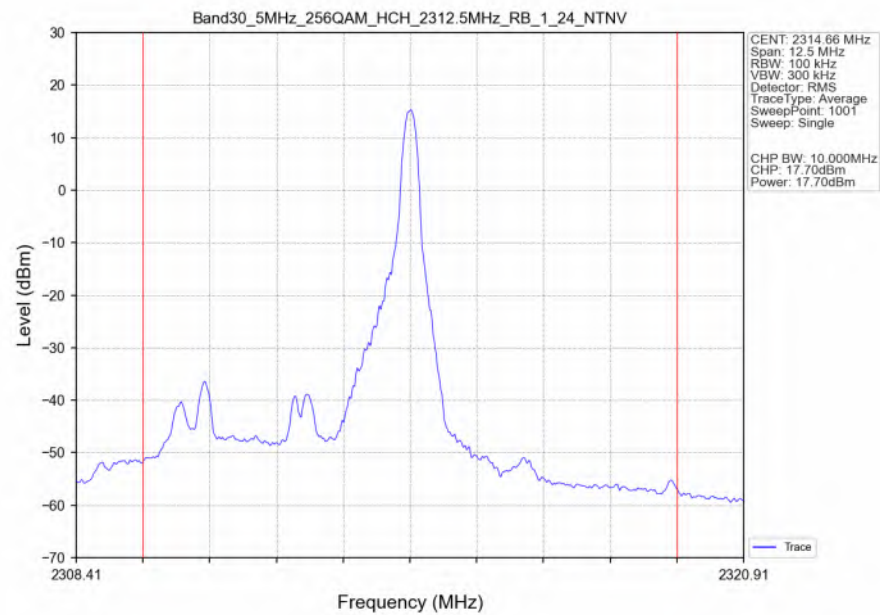
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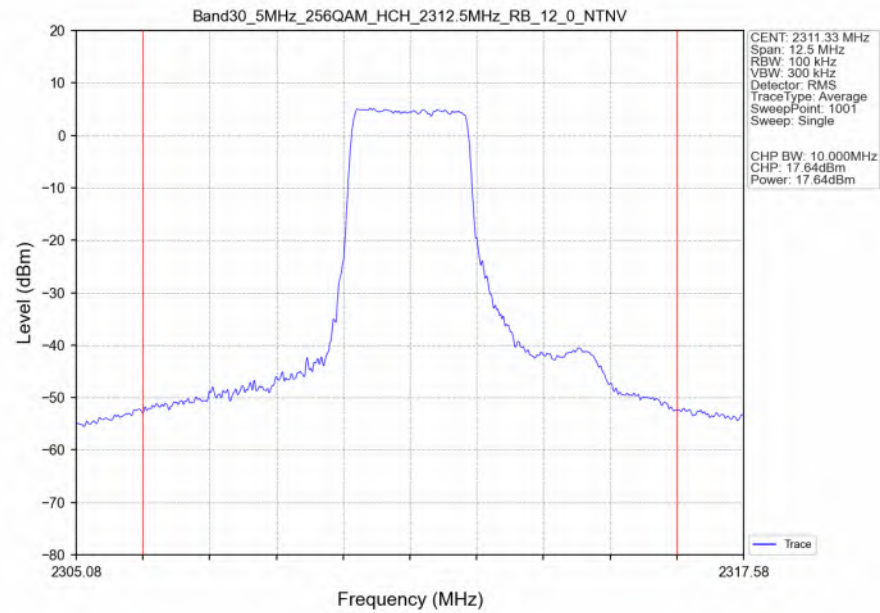
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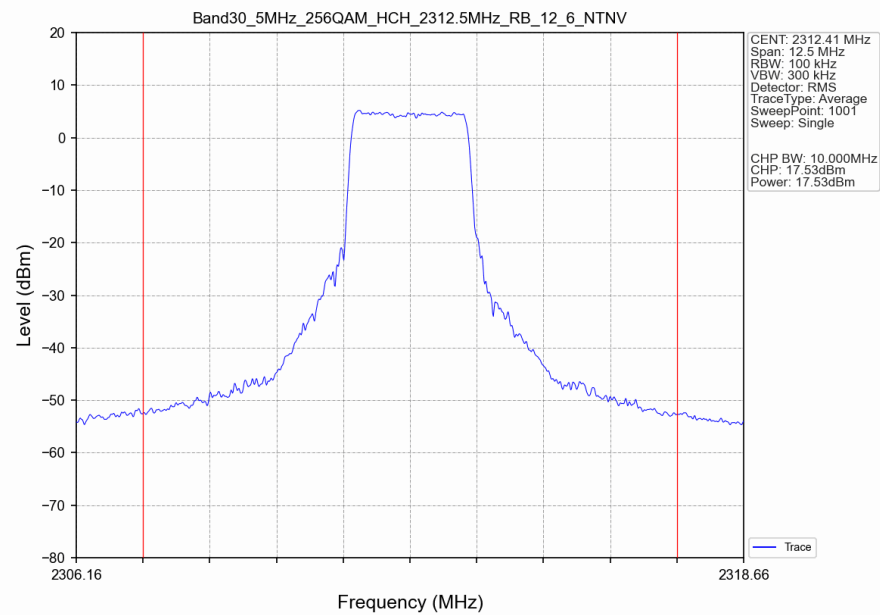
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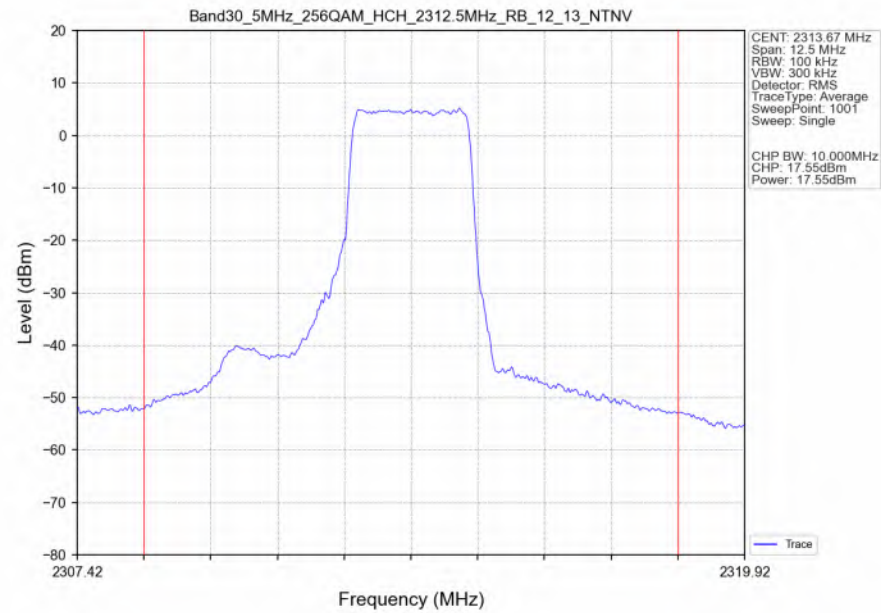
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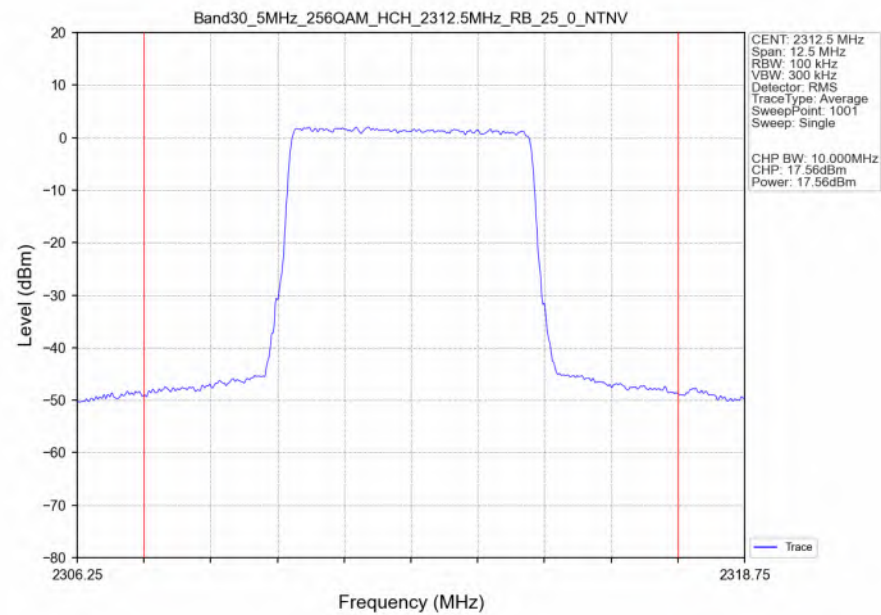
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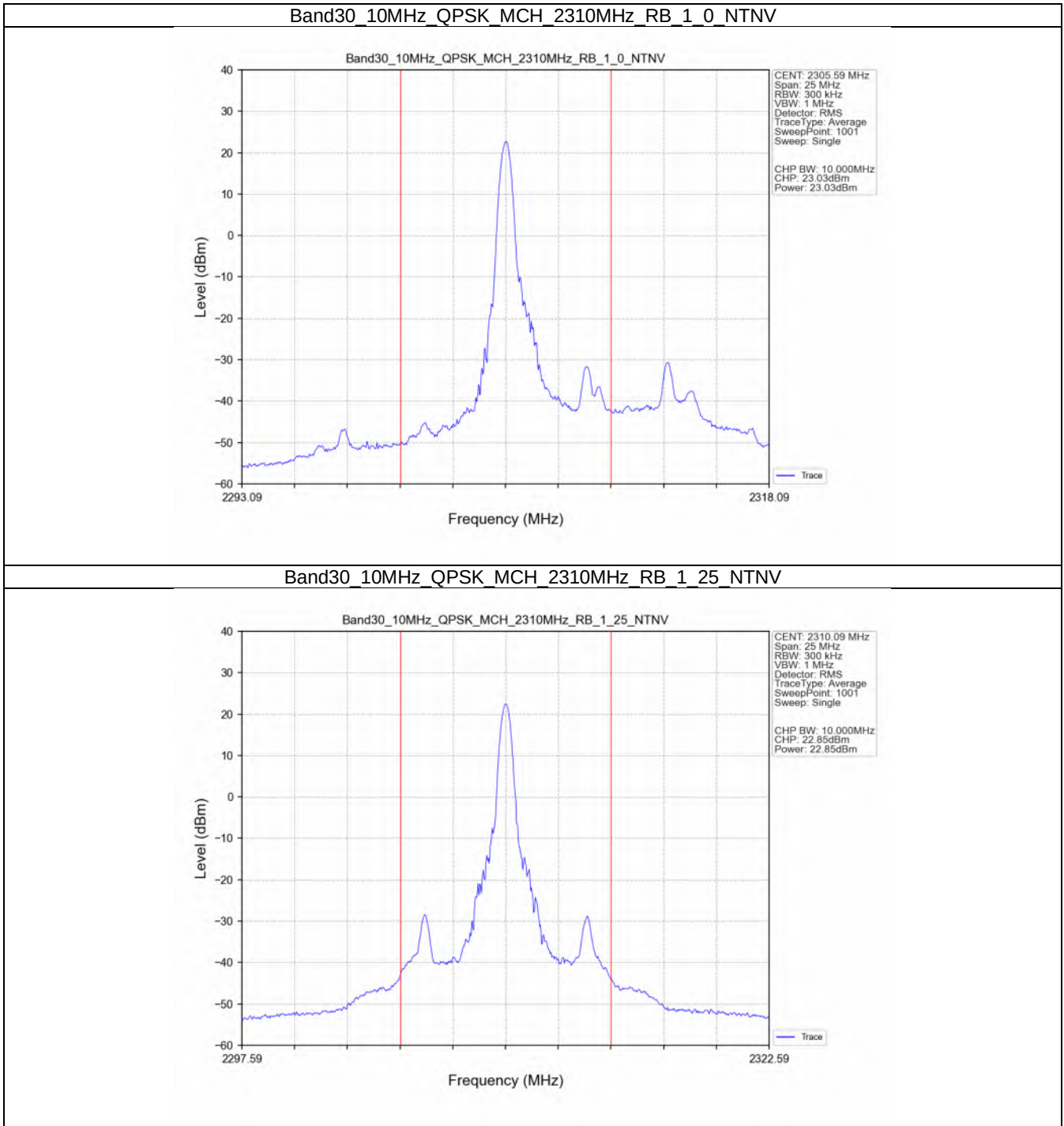
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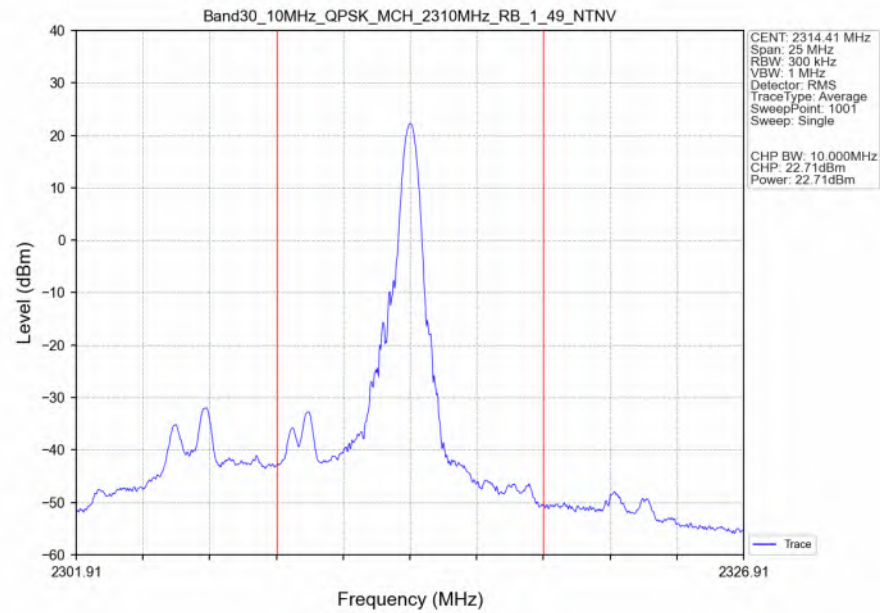
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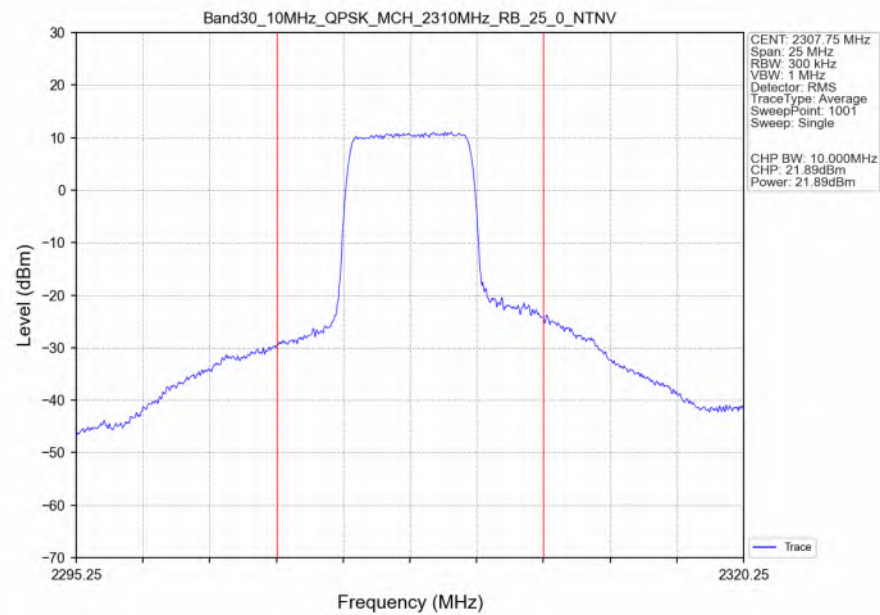
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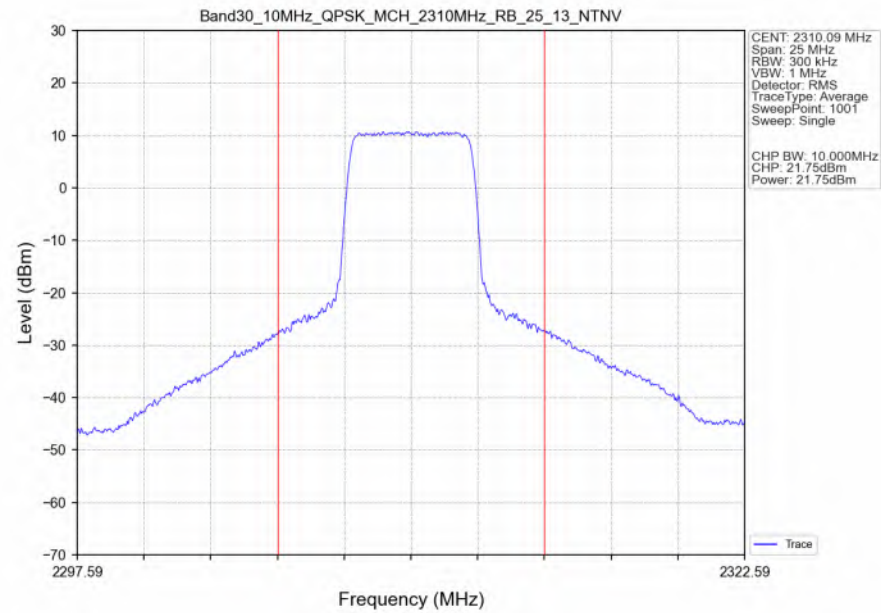
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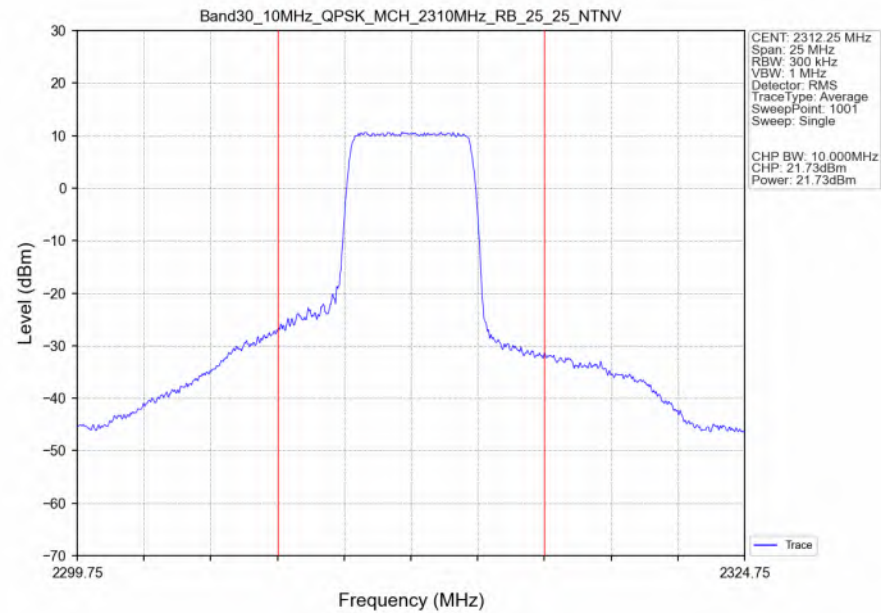
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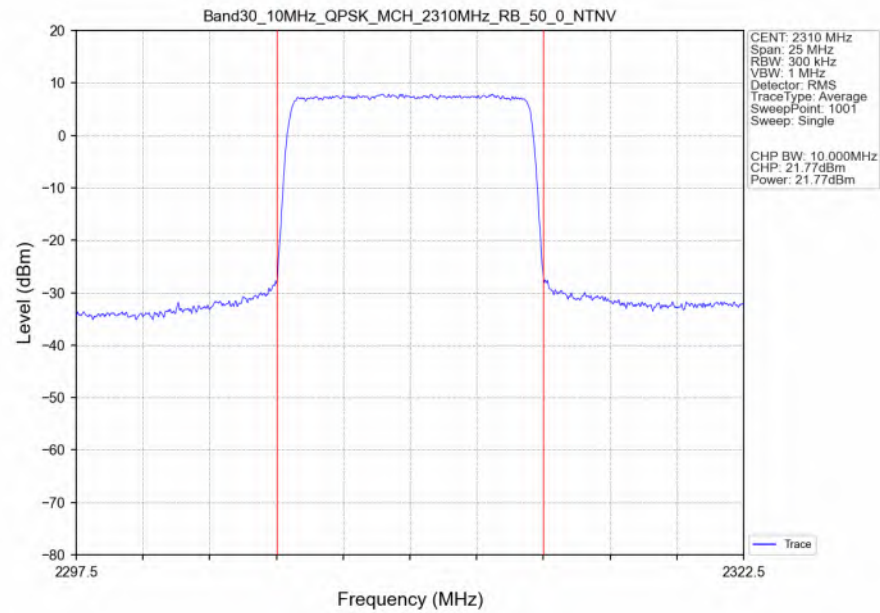
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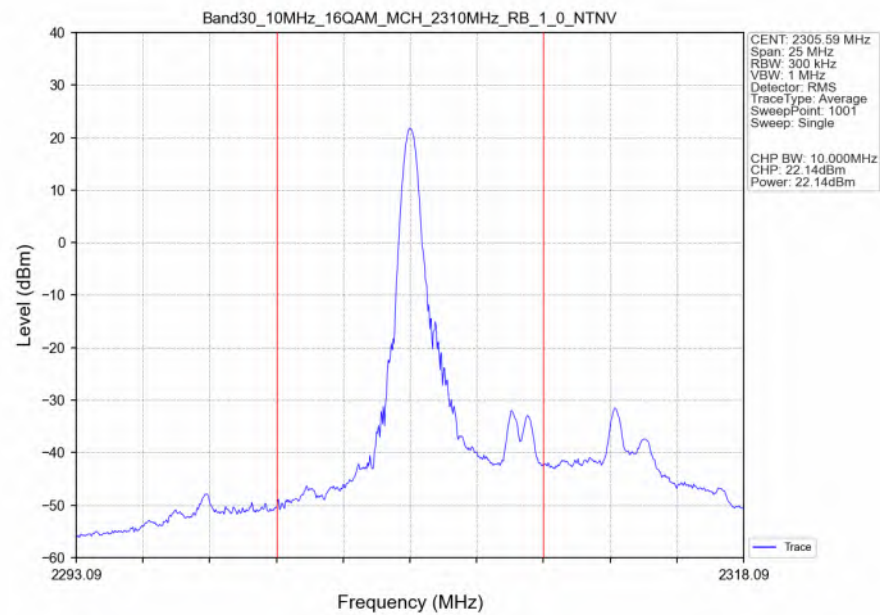
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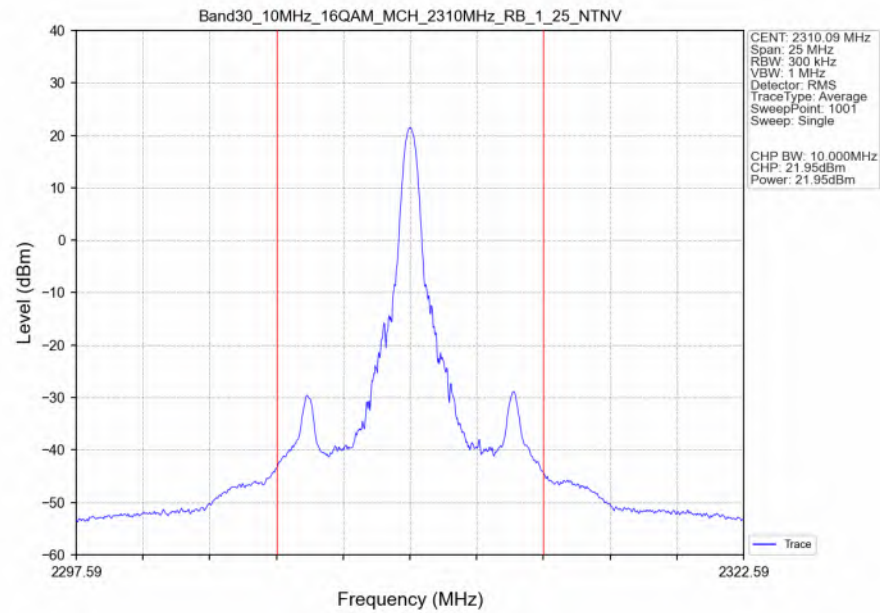
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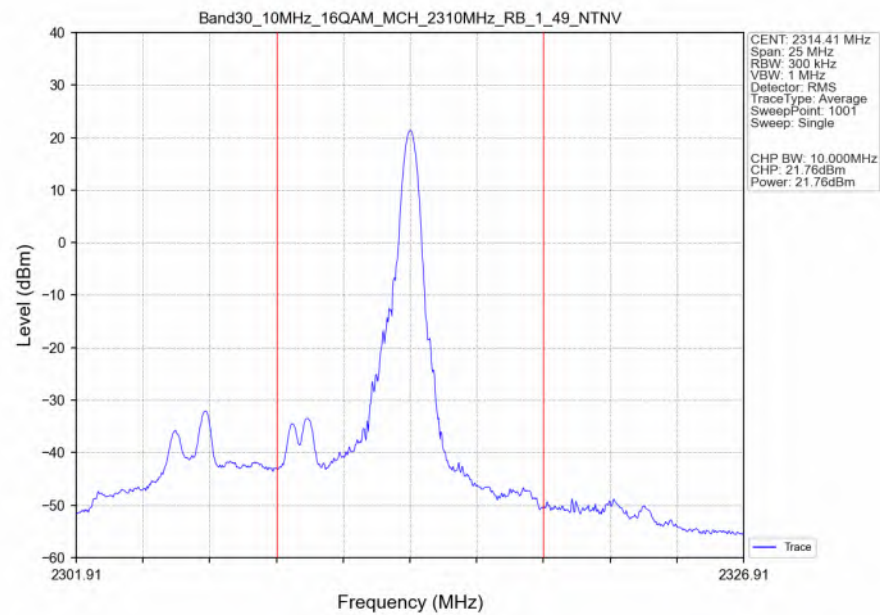
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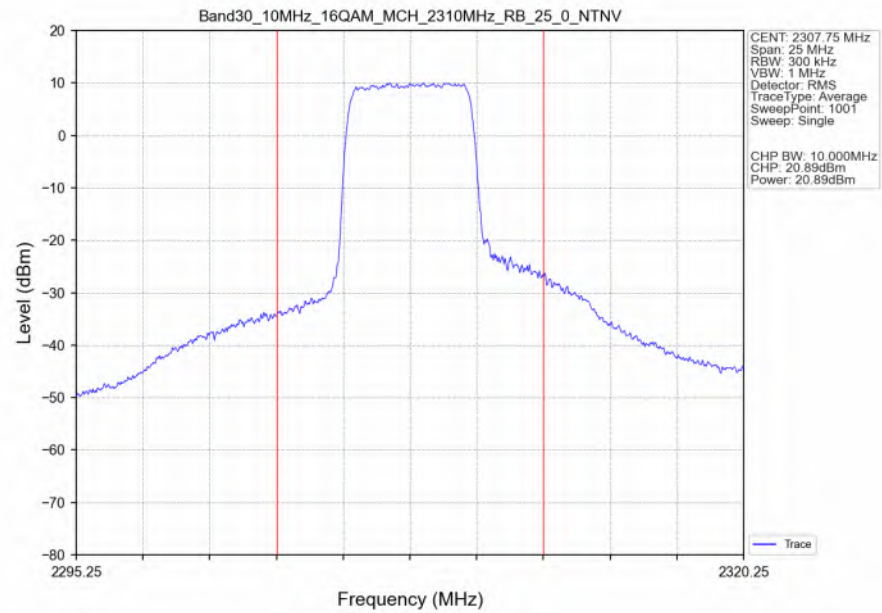
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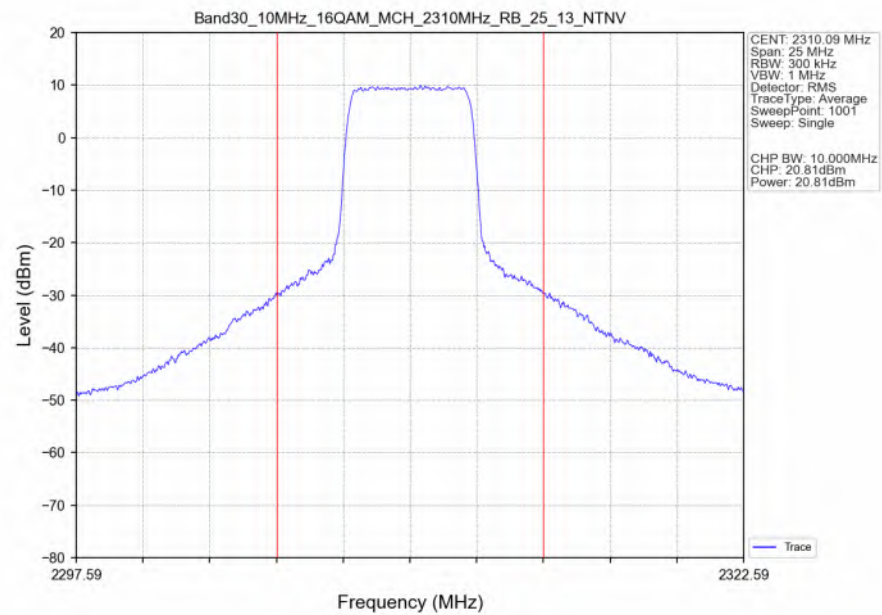
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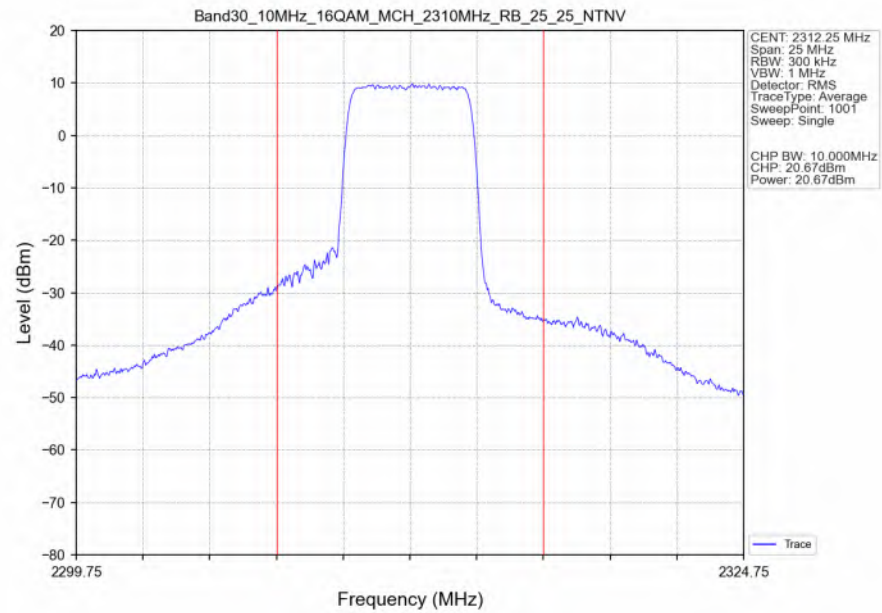
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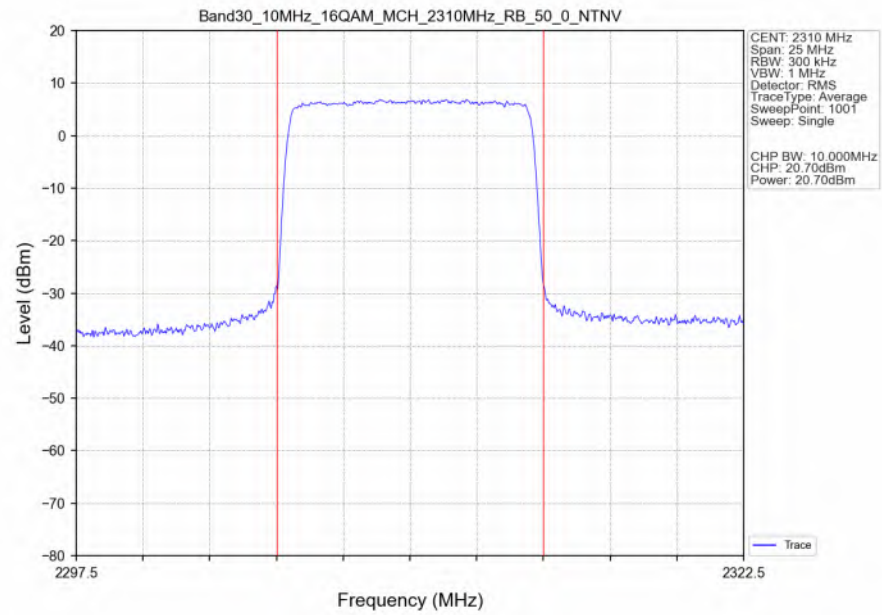
Band30 10MHz 16QAM MCH 2310MHz RB 25 13 NTNV



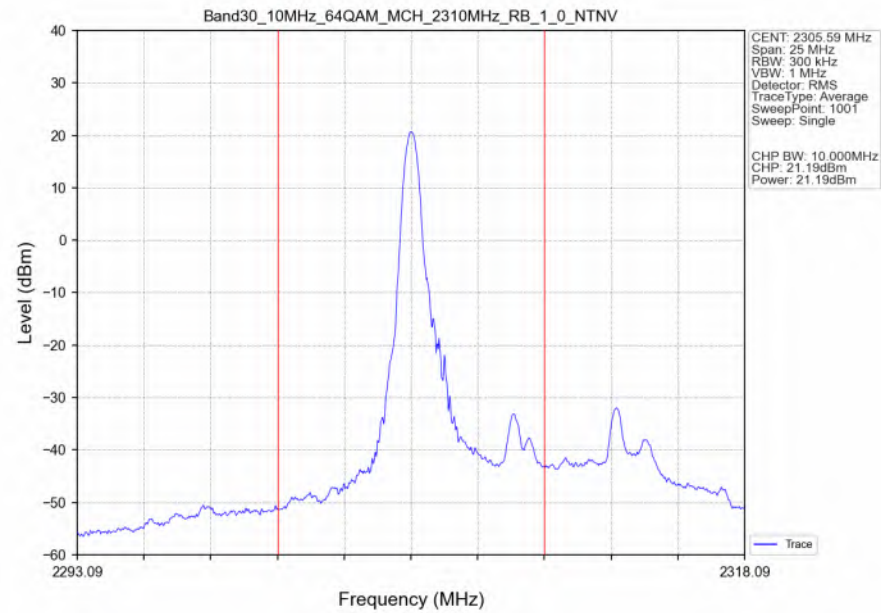
Band30_10MHz_16QAM_MCH_2310MHz_RB_25_25_NTNV



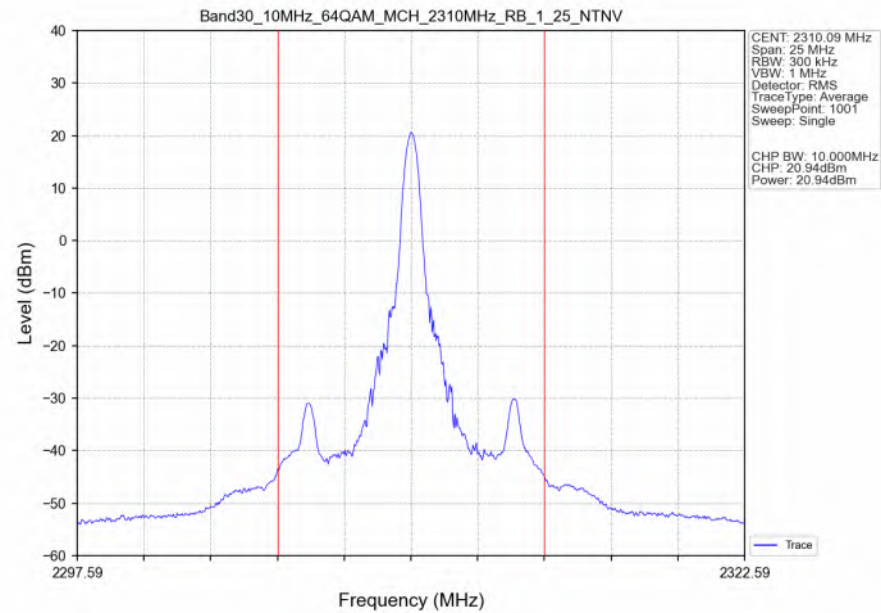
Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



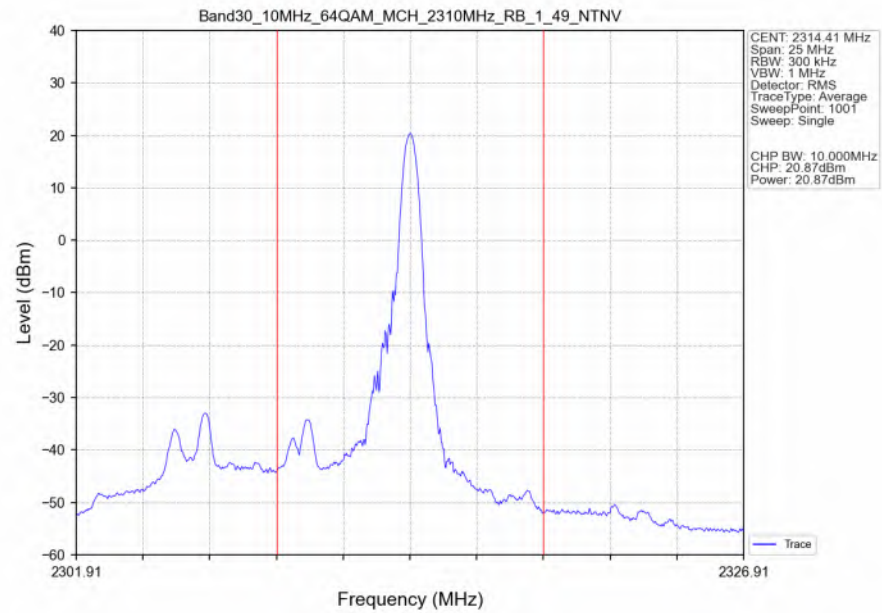
Band30_10MHz_64QAM_MCH_2310MHz_RB_1_0_NTNV



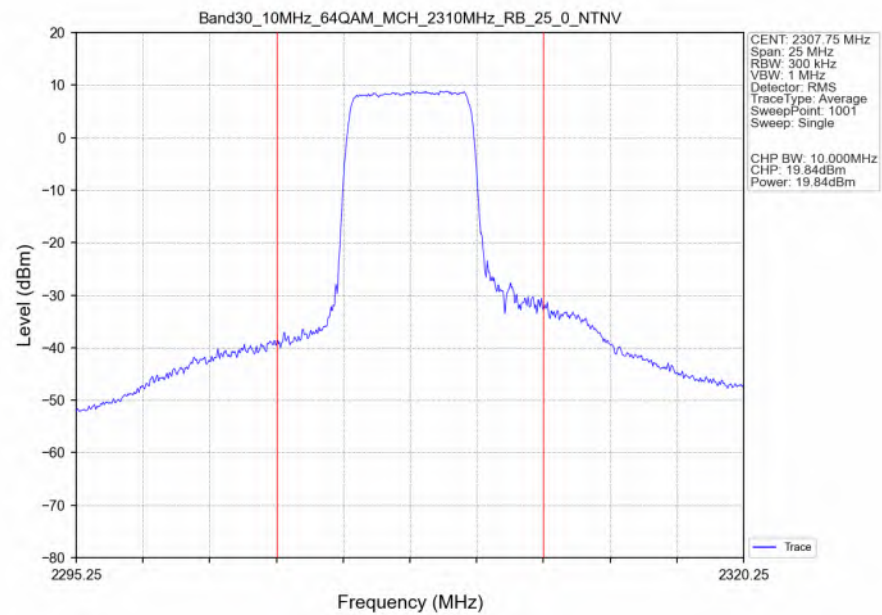
Band30_10MHz_64QAM_MCH_2310MHz_RB_1_25_NTNV



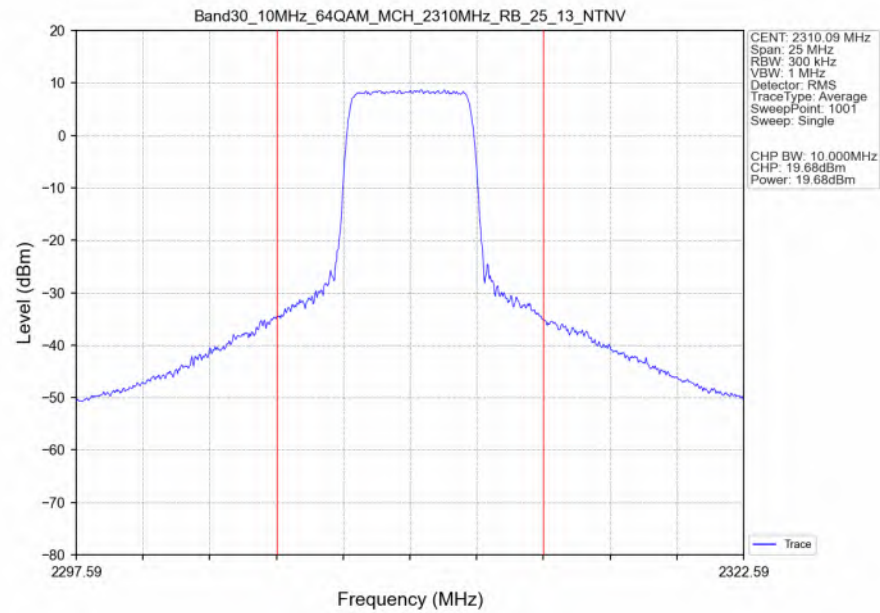
Band30 10MHz 64QAM MCH 2310MHz RB 1 49 NTNV



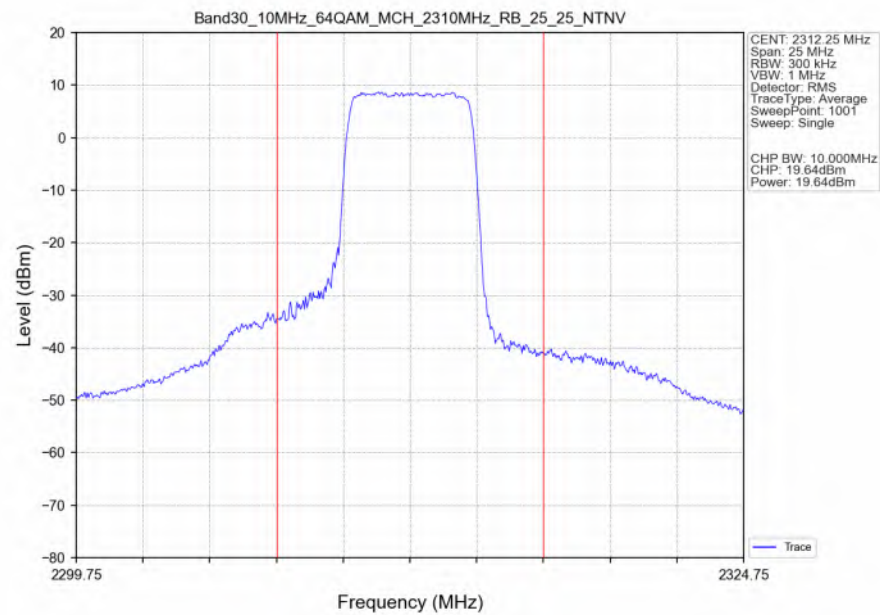
Band30 10MHz 64QAM MCH 2310MHz RB 25 0 NTNV



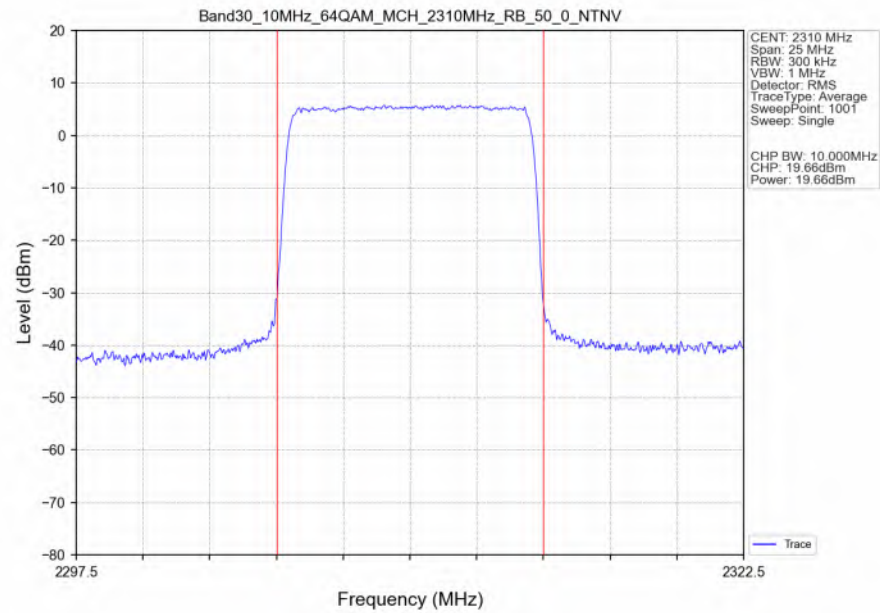
Band30_10MHz_64QAM_MCH_2310MHz_RB_25_13_NTNV



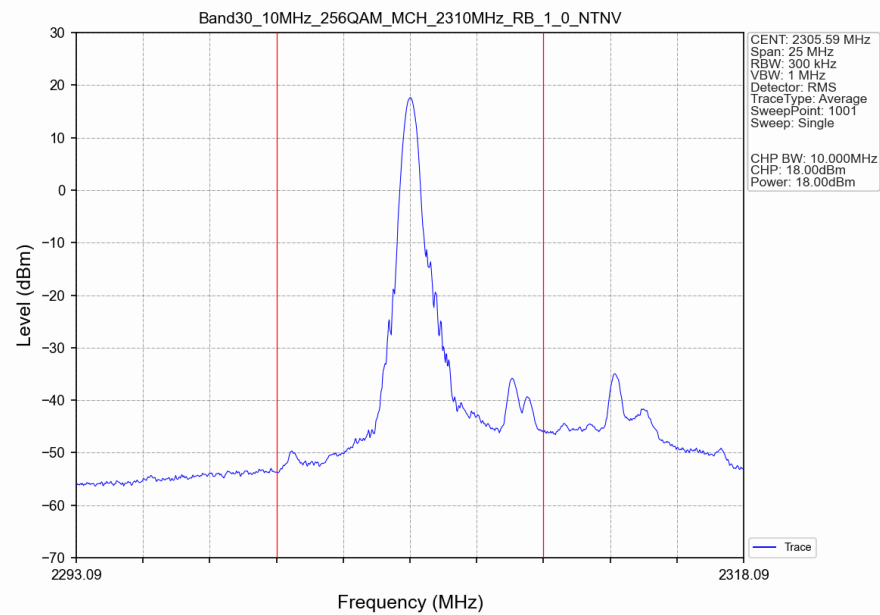
Band30_10MHz_64QAM_MCH_2310MHz_RB_25_25_NTNV



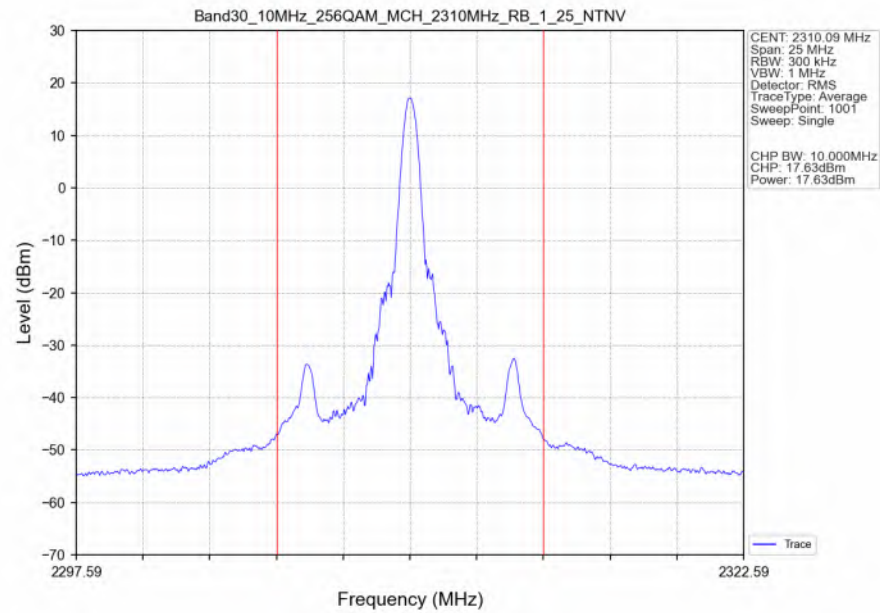
Band30 10MHz 64QAM MCH 2310MHz RB 50 0 NTNV



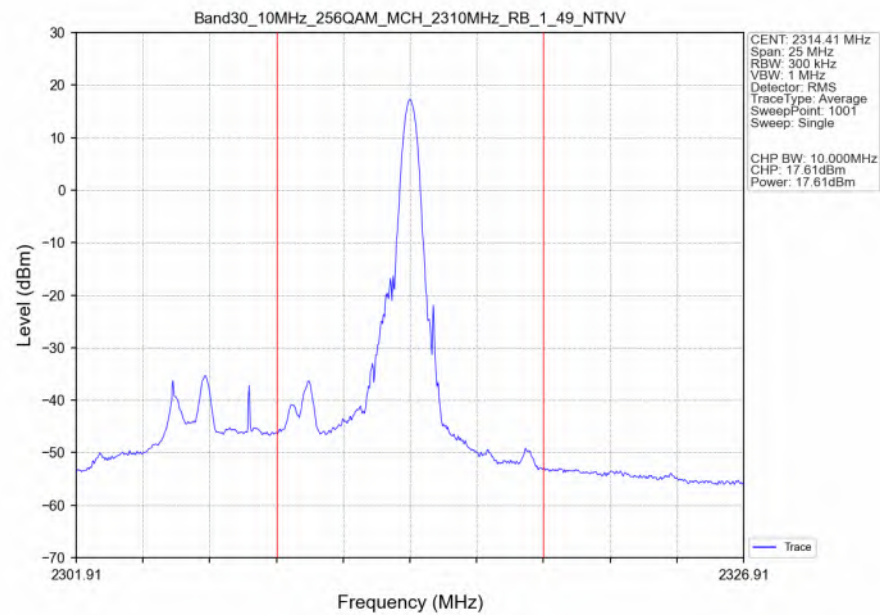
Band30 10MHz 256QAM MCH 2310MHz RB 1 0 NTNV



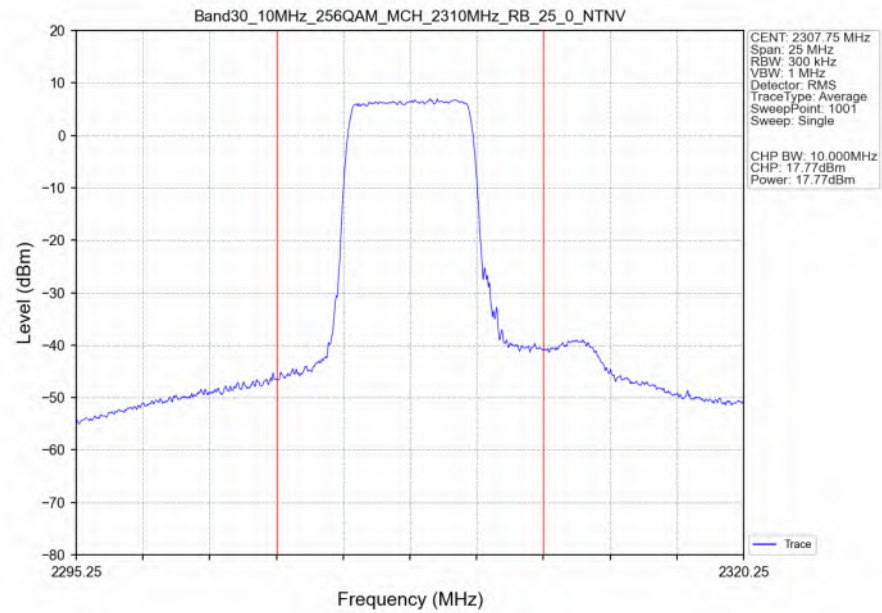
Band30_10MHz_256QAM_MCH_2310MHz_RB_1_25_NTNV



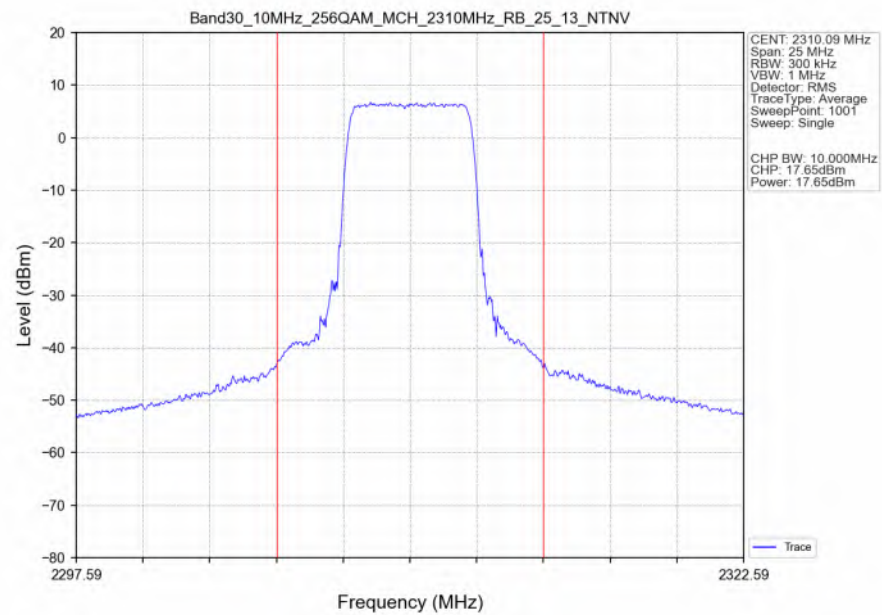
Band30_10MHz_256QAM_MCH_2310MHz_RB_1_49_NTNV



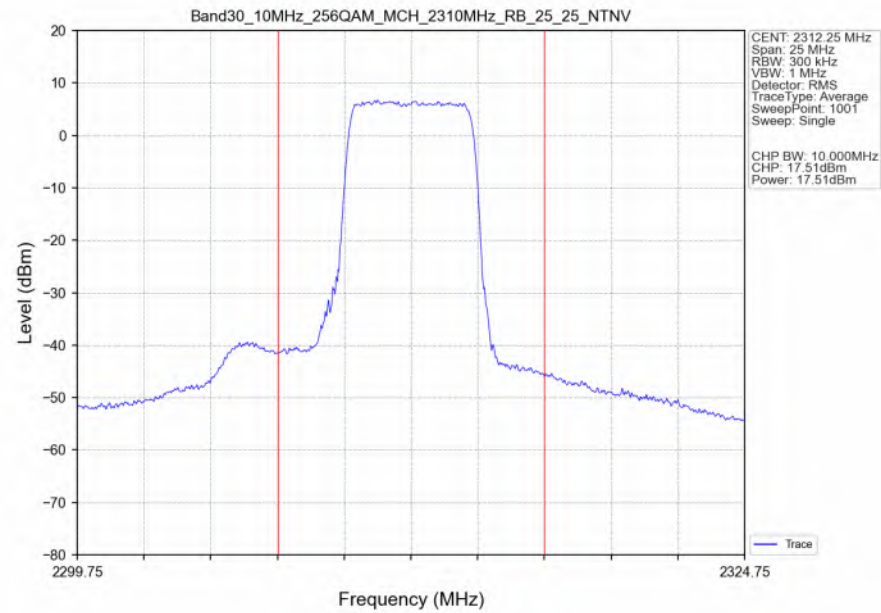
Band30_10MHz_256QAM_MCH_2310MHz_RB_25_0_NTNV



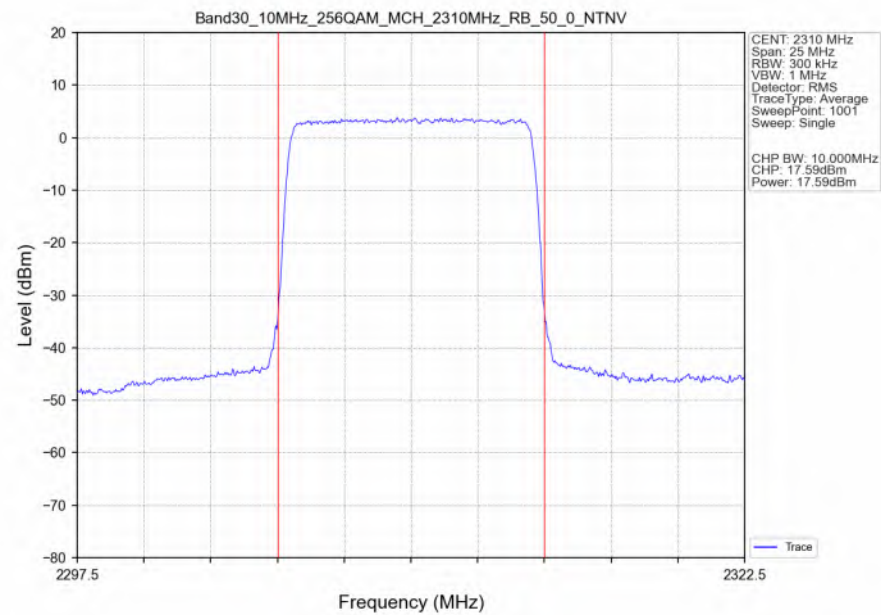
Band30_10MHz_256QAM_MCH_2310MHz_RB_25_13_NTNV



Band30 10MHz 256QAM MCH 2310MHz RB 25 25 NTV



Band30 10MHz 256QAM MCH 2310MHz RB 50 0 NTV



2. Frequency Stability

2.1 Test Result

2.1.1 B30_10MHz

Band: 30 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2310	50	0	20	LV	-10.260	-0.0044	-2.5 to 2.5	Pass
					NV	13.345	0.0058	-2.5 to 2.5	Pass
					HV	18.049	0.0078	-2.5 to 2.5	Pass
				-30	NV	6.820	0.0030	-2.5 to 2.5	Pass
				-20	NV	-2.564	-0.0011	-2.5 to 2.5	Pass
				-10	NV	1.651	0.0007	-2.5 to 2.5	Pass
				0	NV	-1.354	-0.0006	-2.5 to 2.5	Pass
				10	NV	4.597	0.0020	-2.5 to 2.5	Pass
				30	NV	-5.579	-0.0024	-2.5 to 2.5	Pass
				40	NV	7.821	0.0034	-2.5 to 2.5	Pass
				50	NV	3.554	0.0015	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band30_OBW

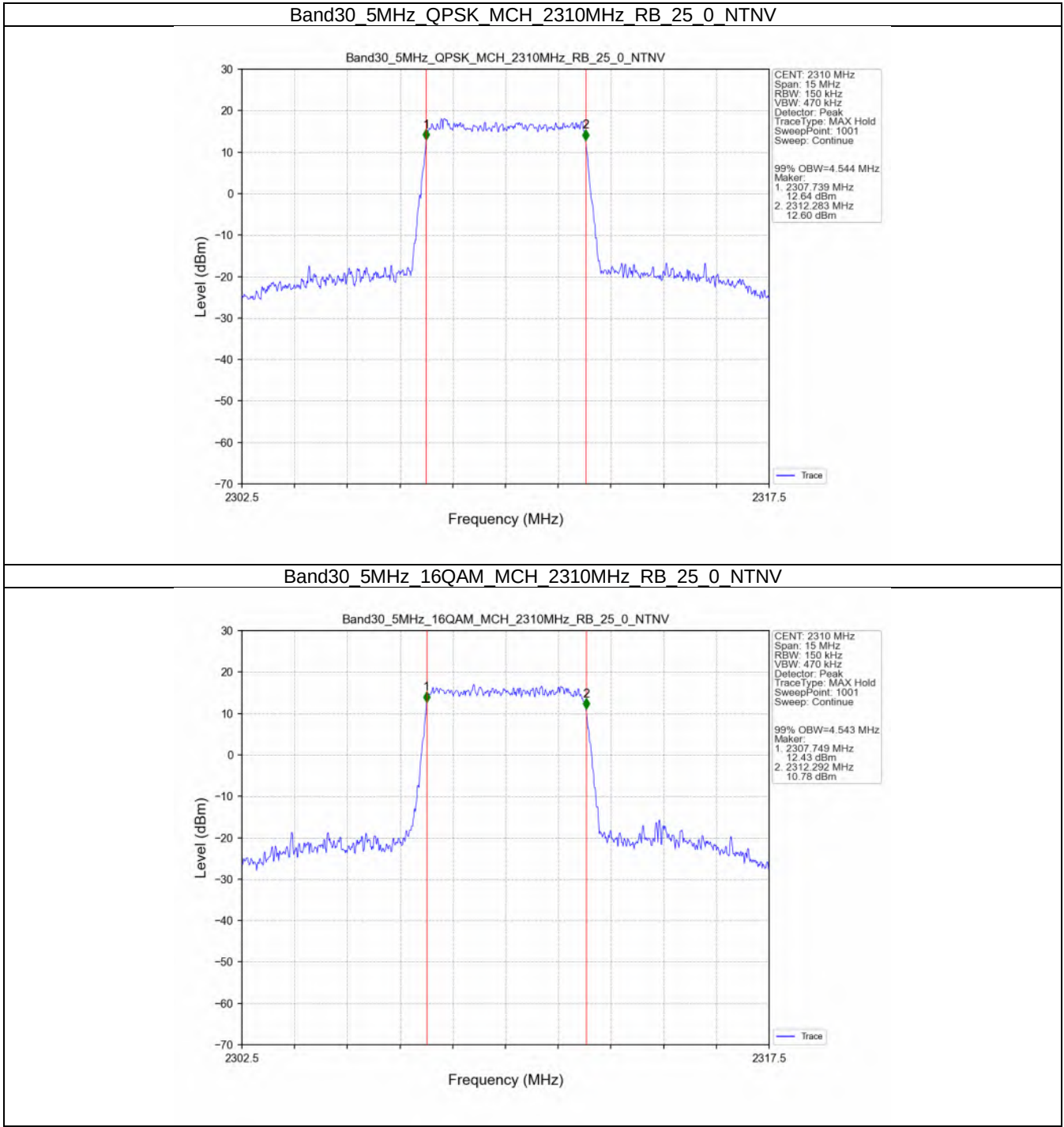
Band: 30 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2310	25	0	4.544	/	Pass
	16QAM	2310	25	0	4.543	/	Pass
	64QAM	2310	25	0	4.544	/	Pass
	256QAM	2310	25	0	4.553	/	Pass
10	QPSK	2310	50	0	9.067	/	Pass
	16QAM	2310	50	0	9.004	/	Pass
	64QAM	2310	50	0	9.022	/	Pass
	256QAM	2310	50	0	9.045	/	Pass

3.1.2 Band30_XDB

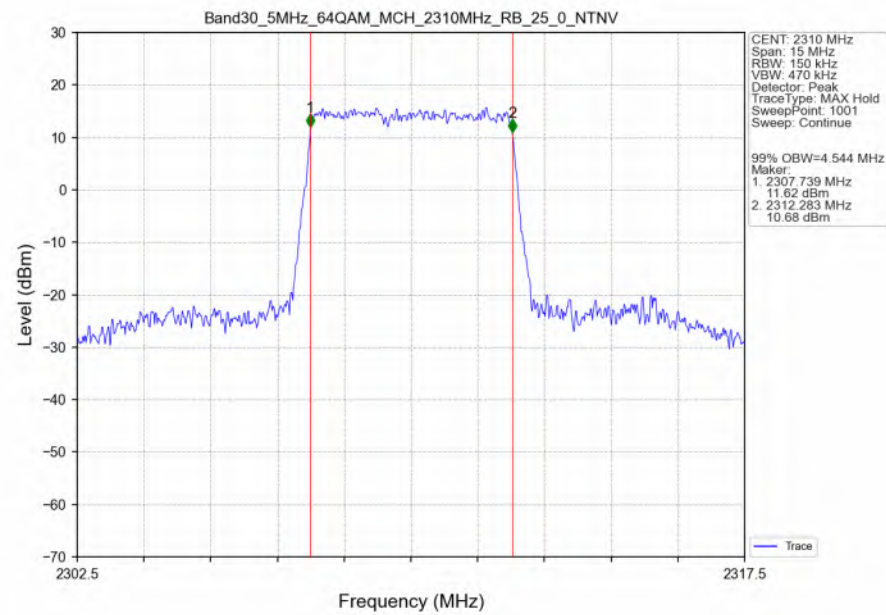
Band: 30 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2310	25	0	5.080	/	Pass
	16QAM	2310	25	0	5.082	/	Pass
	64QAM	2310	25	0	5.067	/	Pass
	256QAM	2310	25	0	5.048	/	Pass
10	QPSK	2310	50	0	10.019	/	Pass
	16QAM	2310	50	0	9.931	/	Pass
	64QAM	2310	50	0	9.896	/	Pass
	256QAM	2310	50	0	9.900	/	Pass

3.2 Test Graph

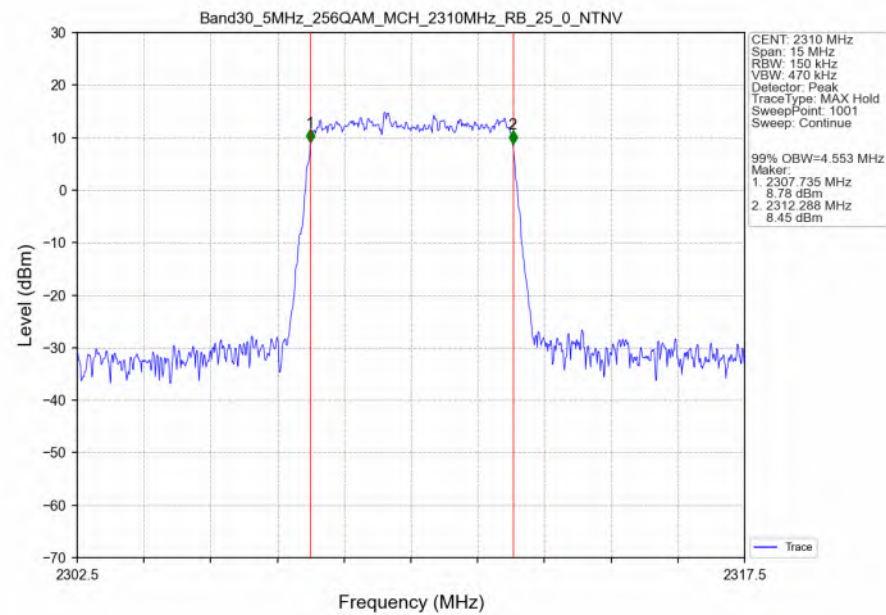
3.2.1 Band30_OBW



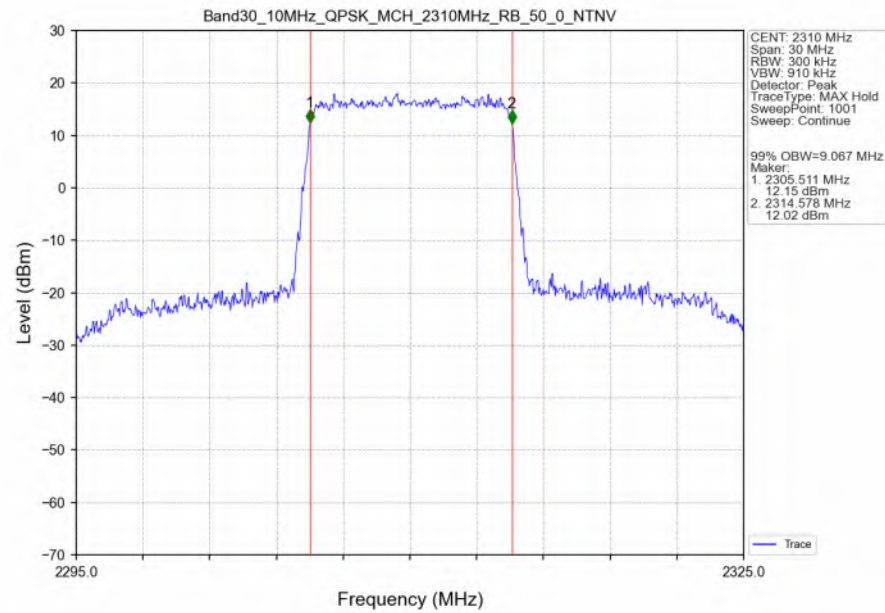
Band30 5MHz 64QAM MCH 2310MHz RB 25 0 NTN



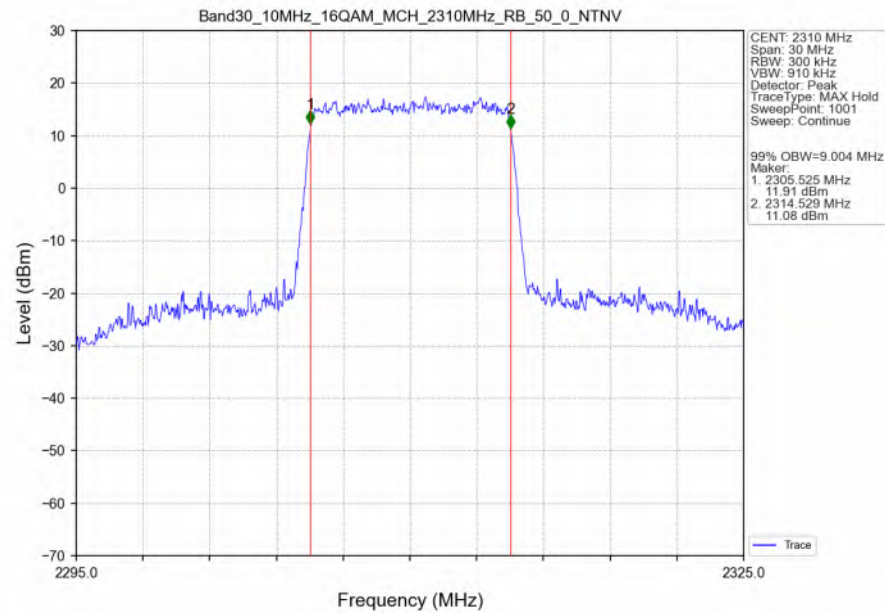
Band30 5MHz 256QAM MCH 2310MHz RB 25 0 NTN



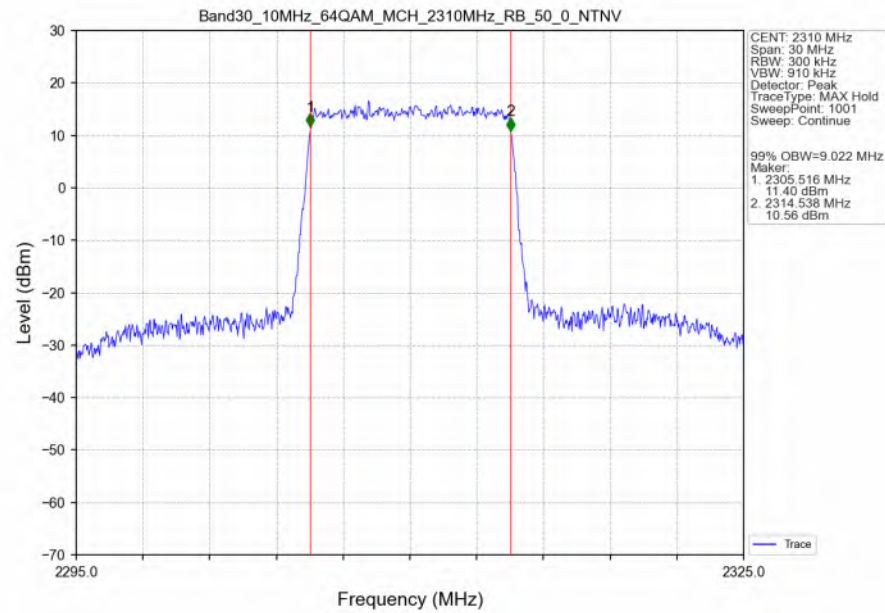
Band30_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



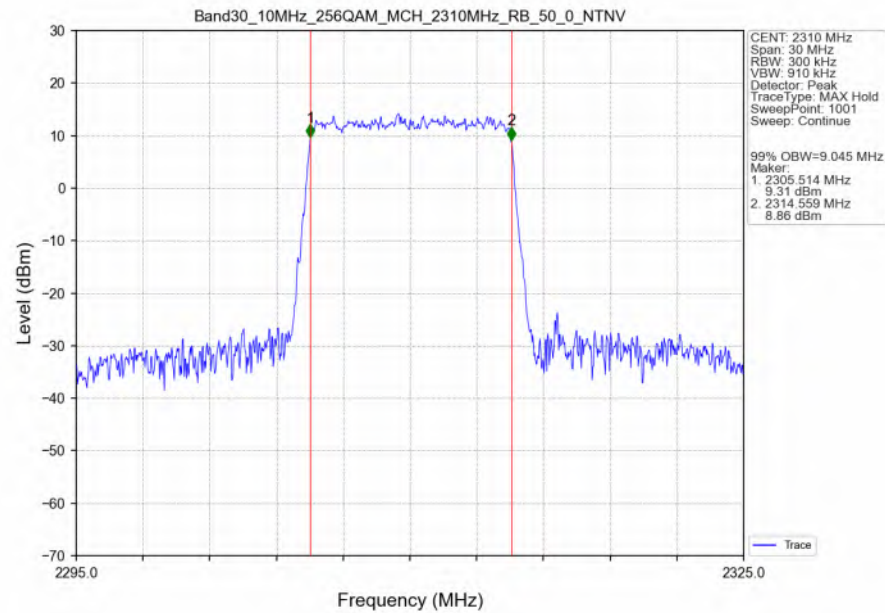
Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



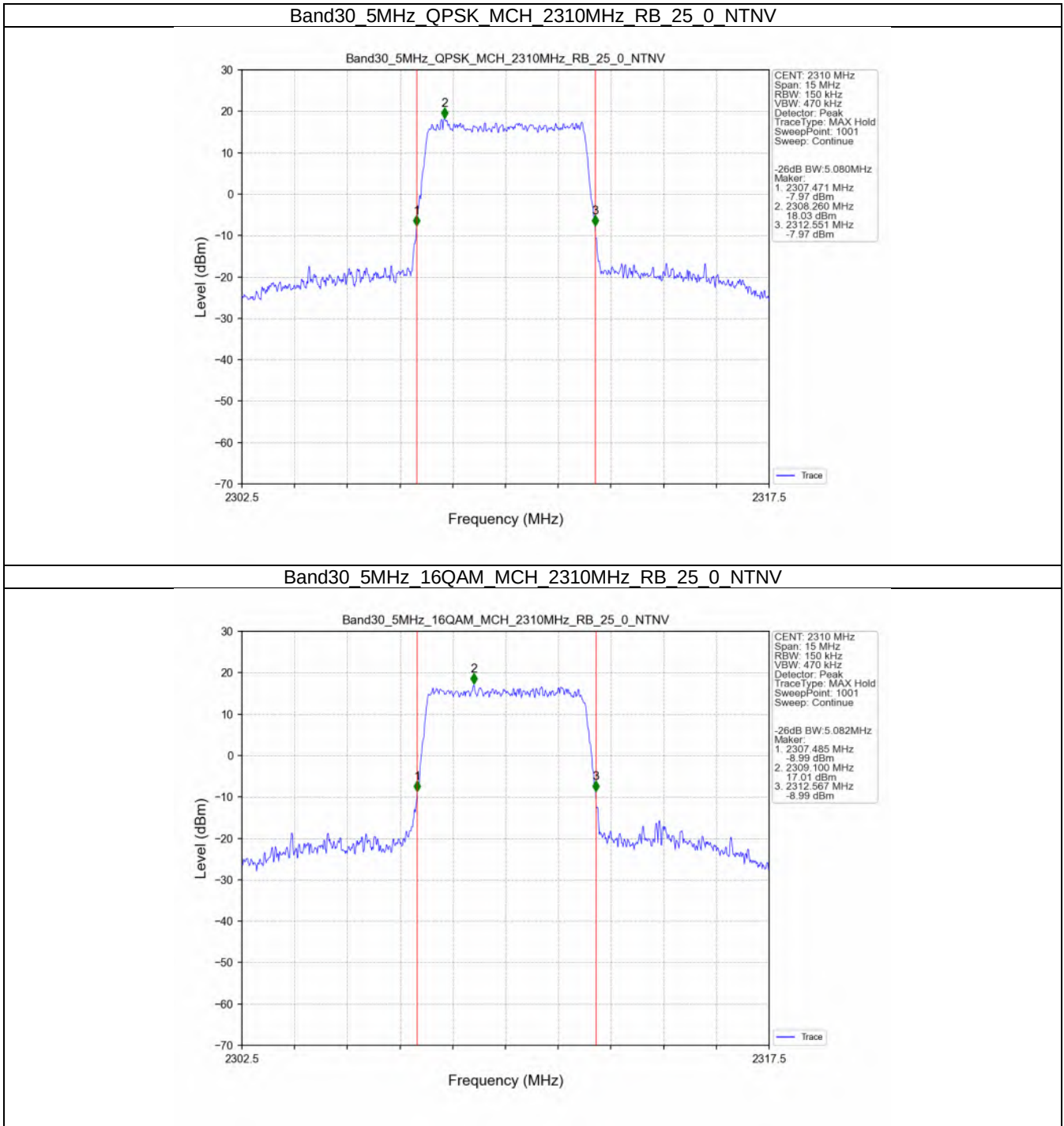
Band30 10MHz 64QAM MCH 2310MHz RB 50 0 NTN



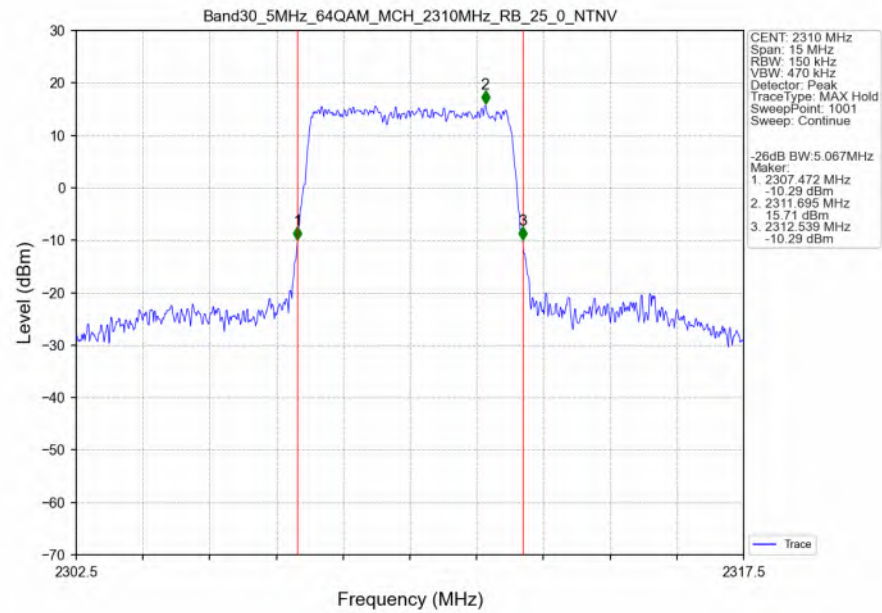
Band30 10MHz 256QAM MCH 2310MHz RB 50 0 NTN



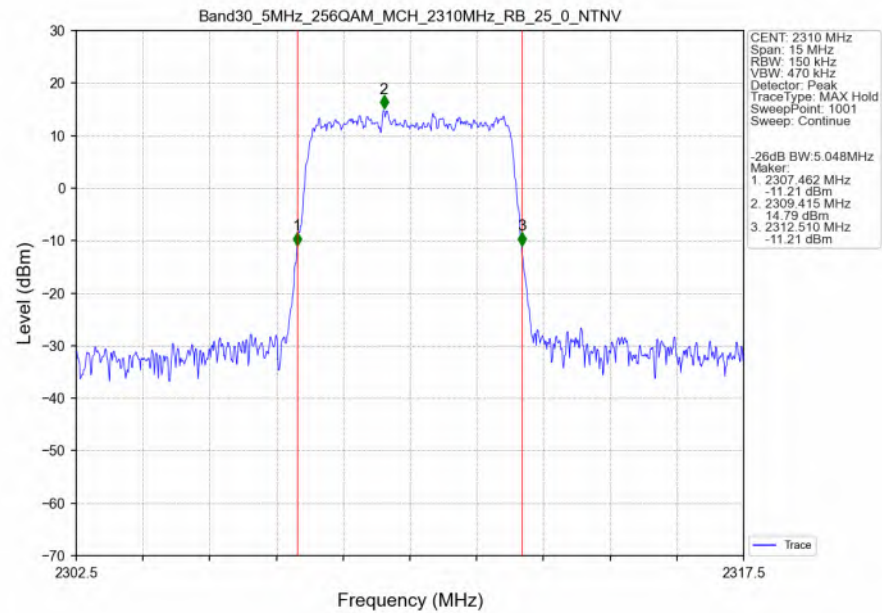
3.2.2 Band30_XDB



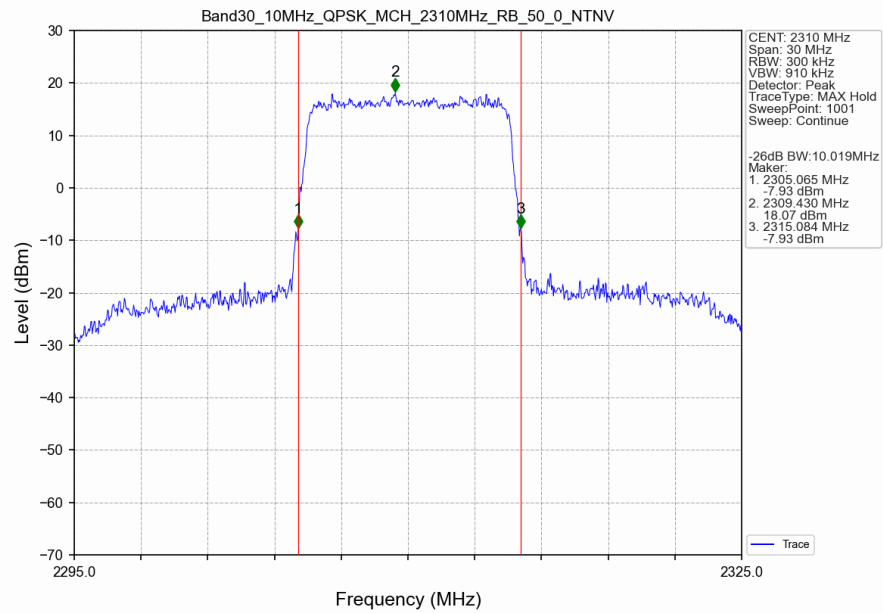
Band30 5MHz 64QAM MCH 2310MHz RB 25 0 NTN



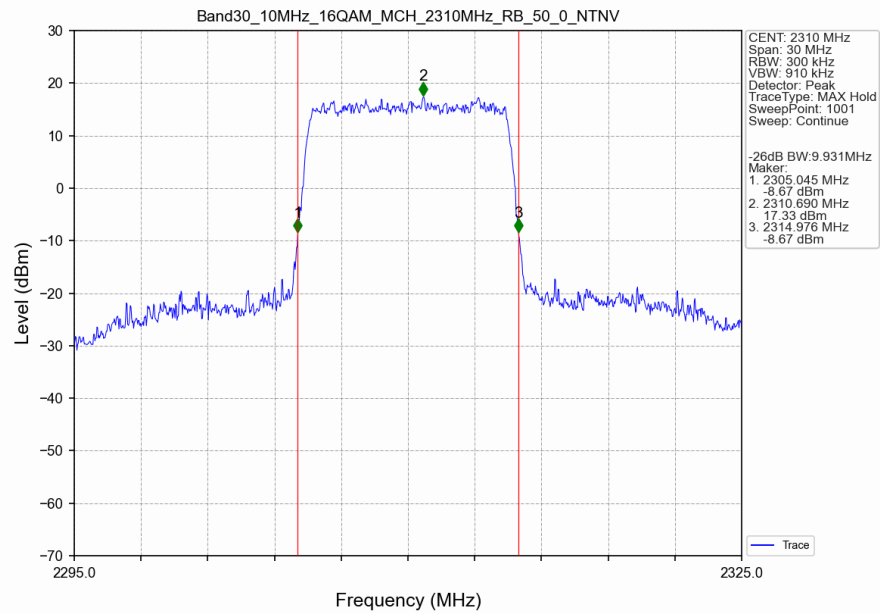
Band30 5MHz 256QAM MCH 2310MHz RB 25 0 NTN



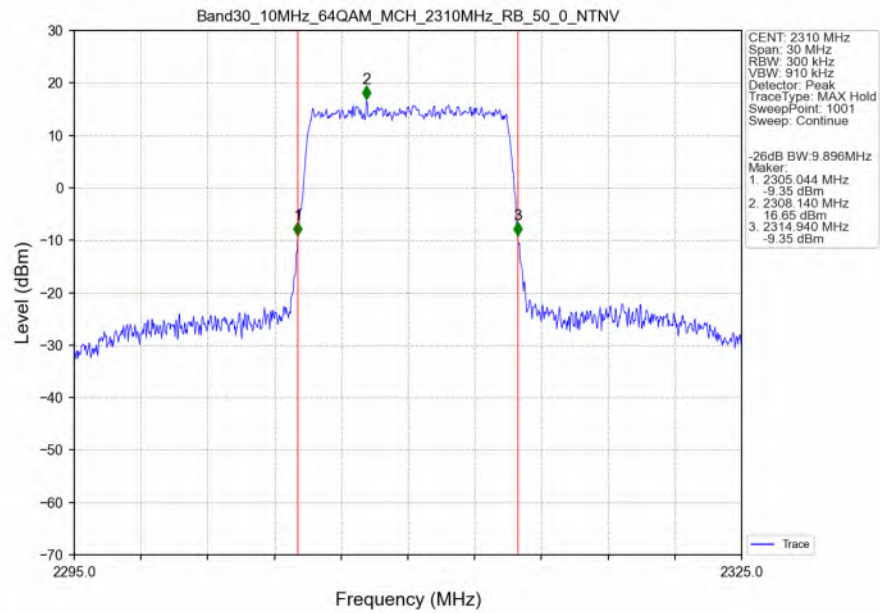
Band30_10MHz_QPSK_MCH_2310MHz_RB_50_0_NTNV



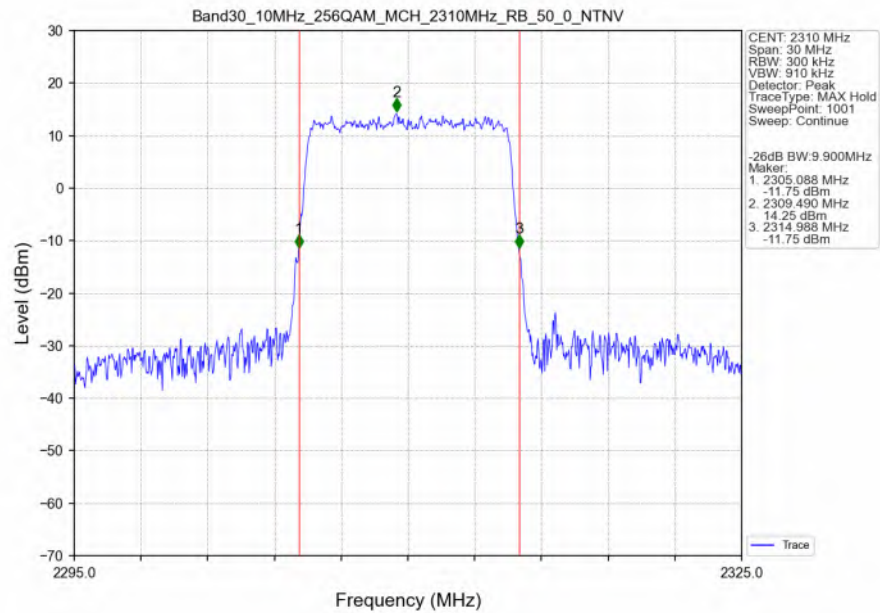
Band30_10MHz_16QAM_MCH_2310MHz_RB_50_0_NTNV



Band30 10MHz 64QAM MCH 2310MHz RB 50 0 NTNV



Band30 10MHz 256QAM MCH 2310MHz RB 50 0 NTNV



4. Peak-Average Ratio

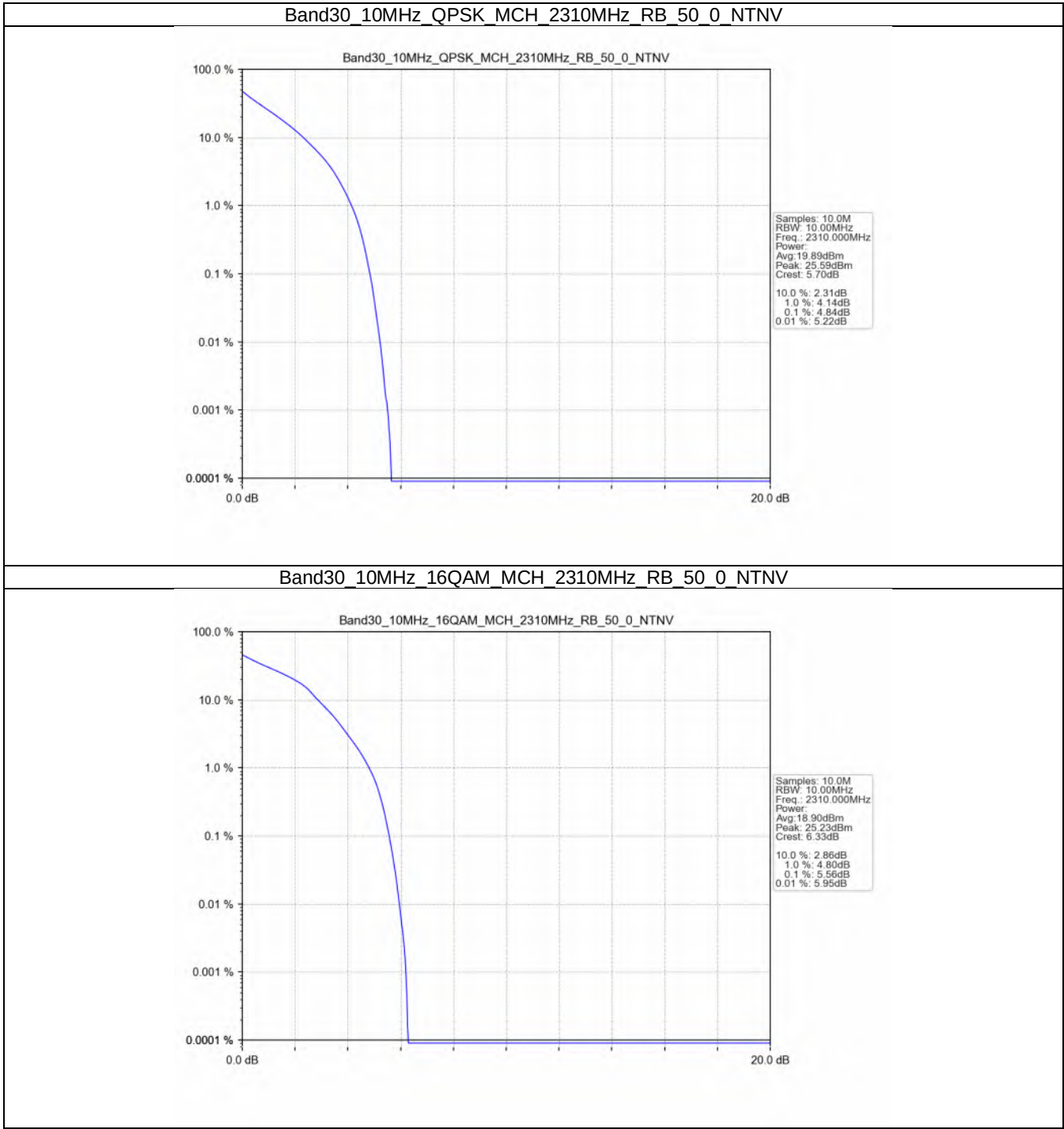
4.1 Test Result

4.1.1 B30_10MHz

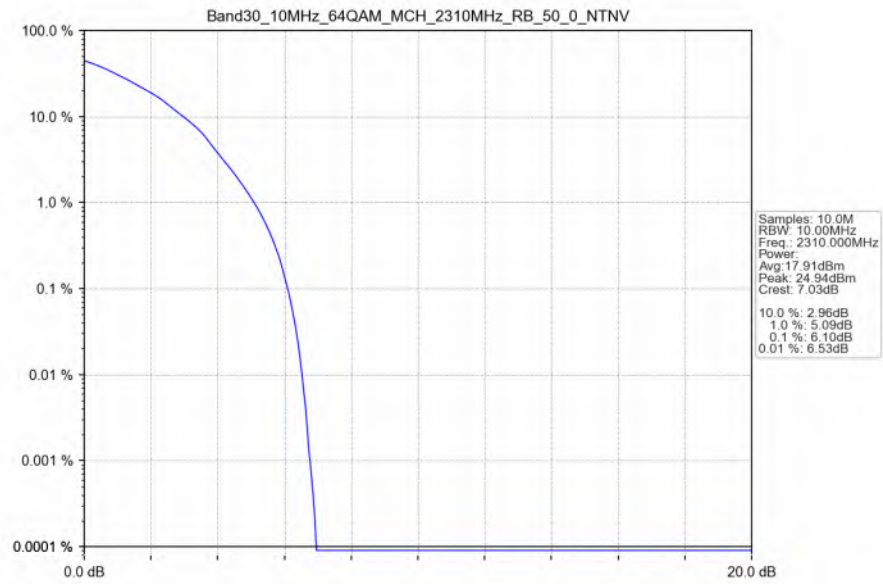
Band: 30 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	50	0	4.84	<=13	Pass
16QAM	2310	50	0	5.56	<=13	Pass
64QAM	2310	50	0	6.10	<=13	Pass
256QAM	2310	50	0	6.63	<=13	Pass

4.2 Test Graph

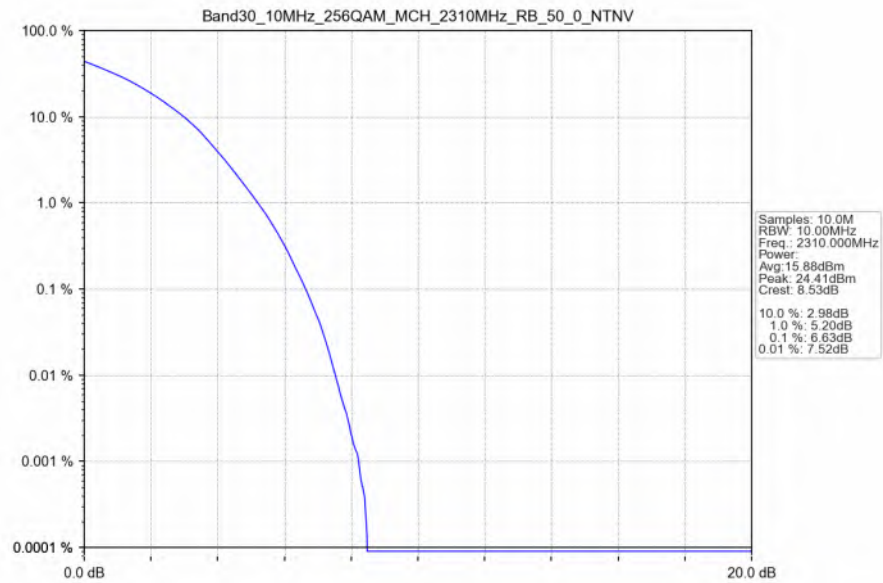
4.2.1 B30_10MHz



Band30 10MHz 64QAM MCH 2310MHz RB 50 0 NTV



Band30 10MHz 256QAM MCH 2310MHz RB 50 0 NTV



5. Spurious Emission

5.1 Test Result

5.1.1 B30_5MHz

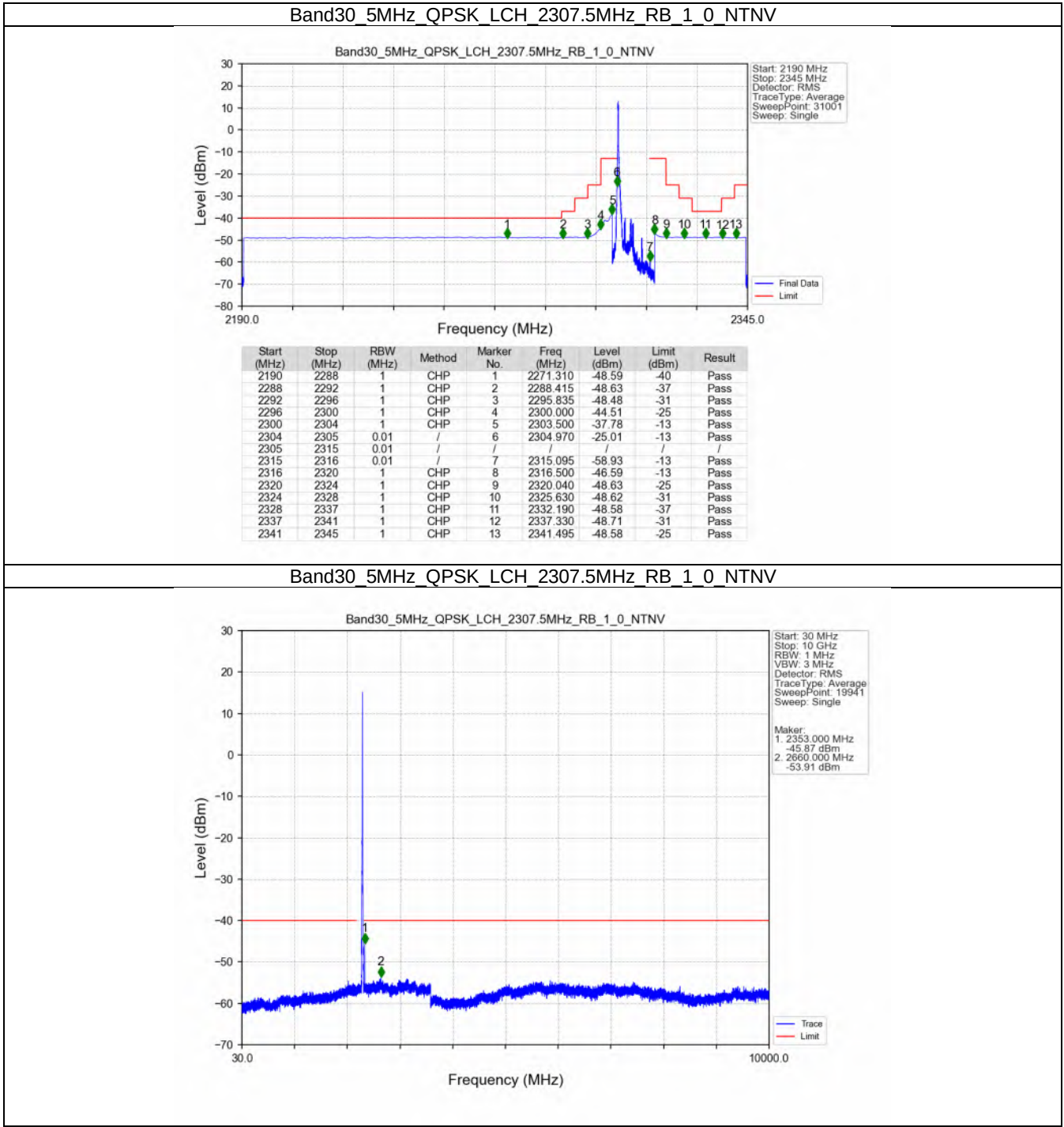
Band: 30 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2307.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2310	1	0	Refer To Test Graph		Pass
	2312.5	1	0	Refer To Test Graph		Pass
			24	Refer To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

5.1.2 B30_10MHz

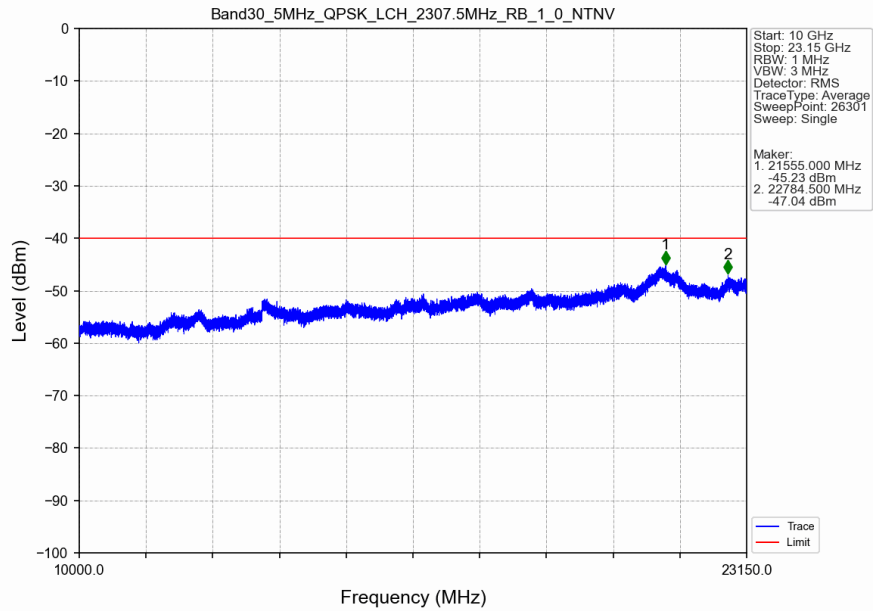
Band: 30 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2310	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2310	1	49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.2 Test Graph

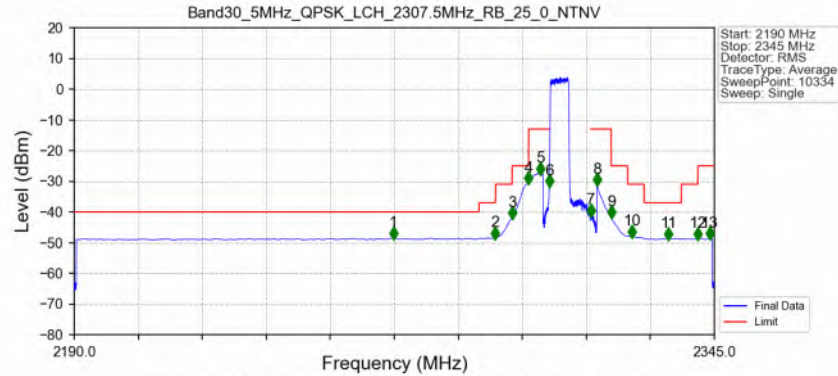
5.2.1 B30_5MHz



Band30 5MHz QPSK LCH 2307.5MHz RB 1 0 NTV

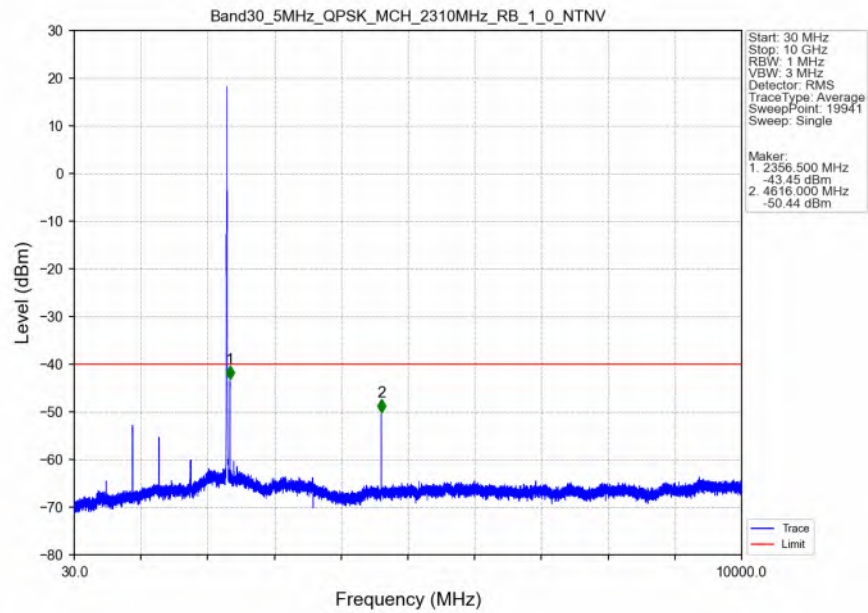


Band30_5MHz_QPSK_LCH_2307.5MHz_RB_25_0_NTV

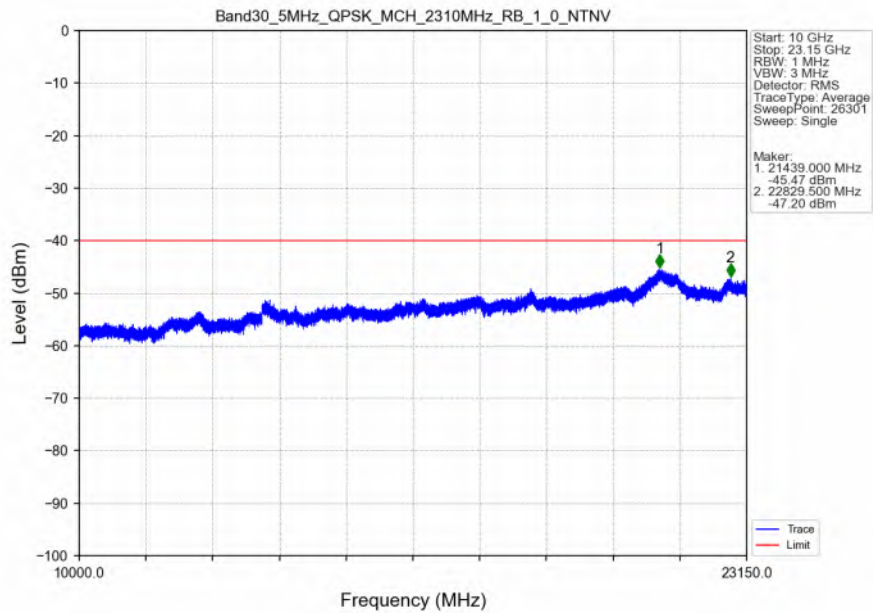


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2267.282	-48.51	-40	Pass
2288	2292	1	CHP	2	2291.928	-48.50	-37	Pass
2292	2296	1	CHP	3	2295.993	-41.89	-31	Pass
2296	2300	1	CHP	4	2299.969	-30.58	-25	Pass
2300	2304	1	CHP	5	2302.879	-27.50	-13	Pass
2304	2305	0.051	CHP	6	2304.994	-31.55	-13	Pass
2305	2315	0.051	CHP	/	/	/	/	/
2315	2316	0.051	CHP	7	2315.104	-41.00	-13	Pass
2316	2320	1	CHP	8	2316.514	-31.02	-13	Pass
2320	2324	1	CHP	9	2320.009	-41.64	-25	Pass
2324	2328	1	CHP	10	2325.094	-47.91	-31	Pass
2328	2337	1	CHP	11	2333.915	-48.63	-37	Pass
2337	2341	1	CHP	12	2340.980	-48.72	-31	Pass
2341	2345	1	CHP	13	2343.875	-48.59	-25	Pass

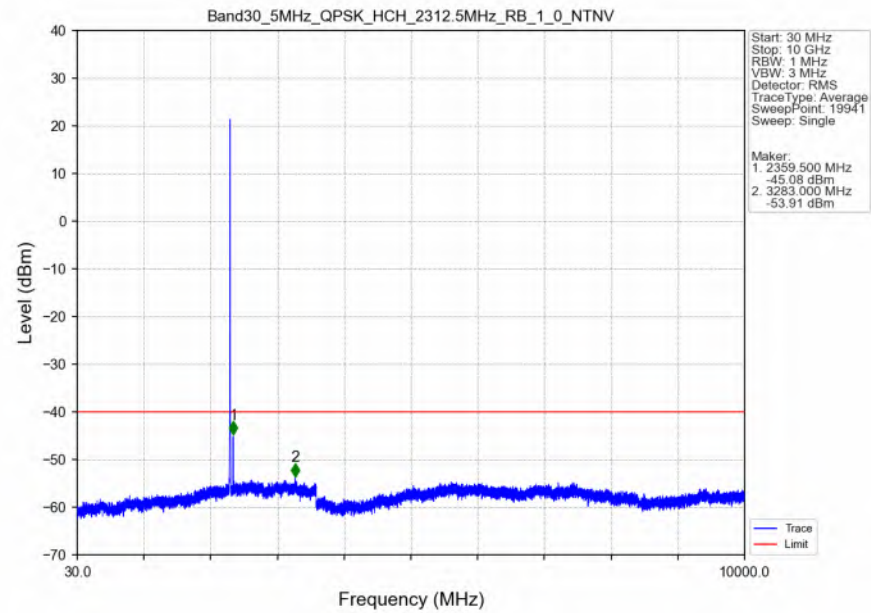
Band30 5MHz QPSK MCH 2310MHz RB 1 0 NTN



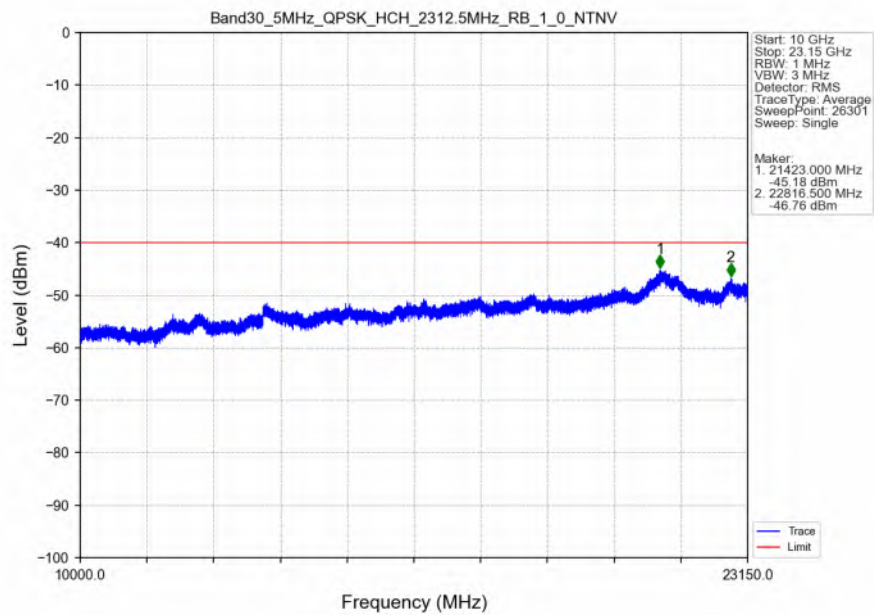
Band30 5MHz QPSK MCH 2310MHz RB 1 0 NTN



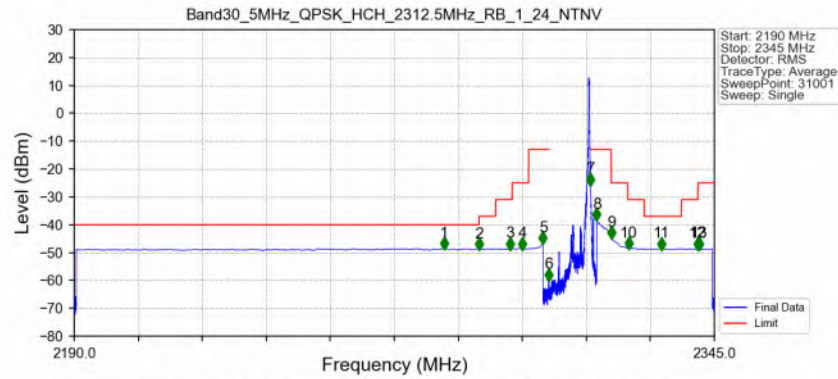
Band30 5MHz QPSK HCH 2312.5MHz RB 1 0 NTNV



Band30 5MHz QPSK HCH 2312.5MHz RB 1 0 NTNV

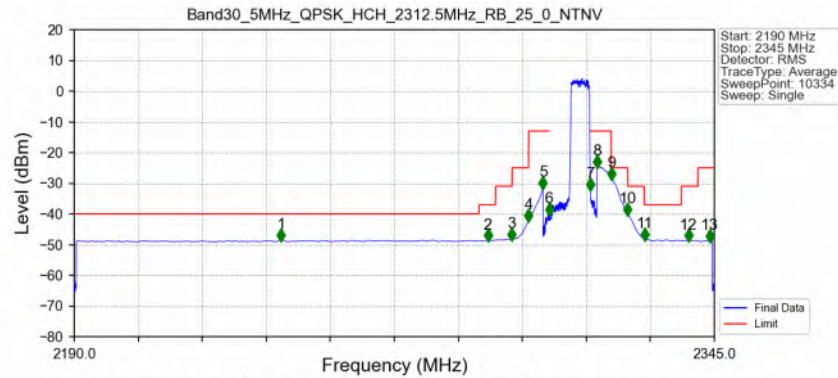


Band30 5MHz QPSK HCH 2312.5MHz RB 1 24 NTNV



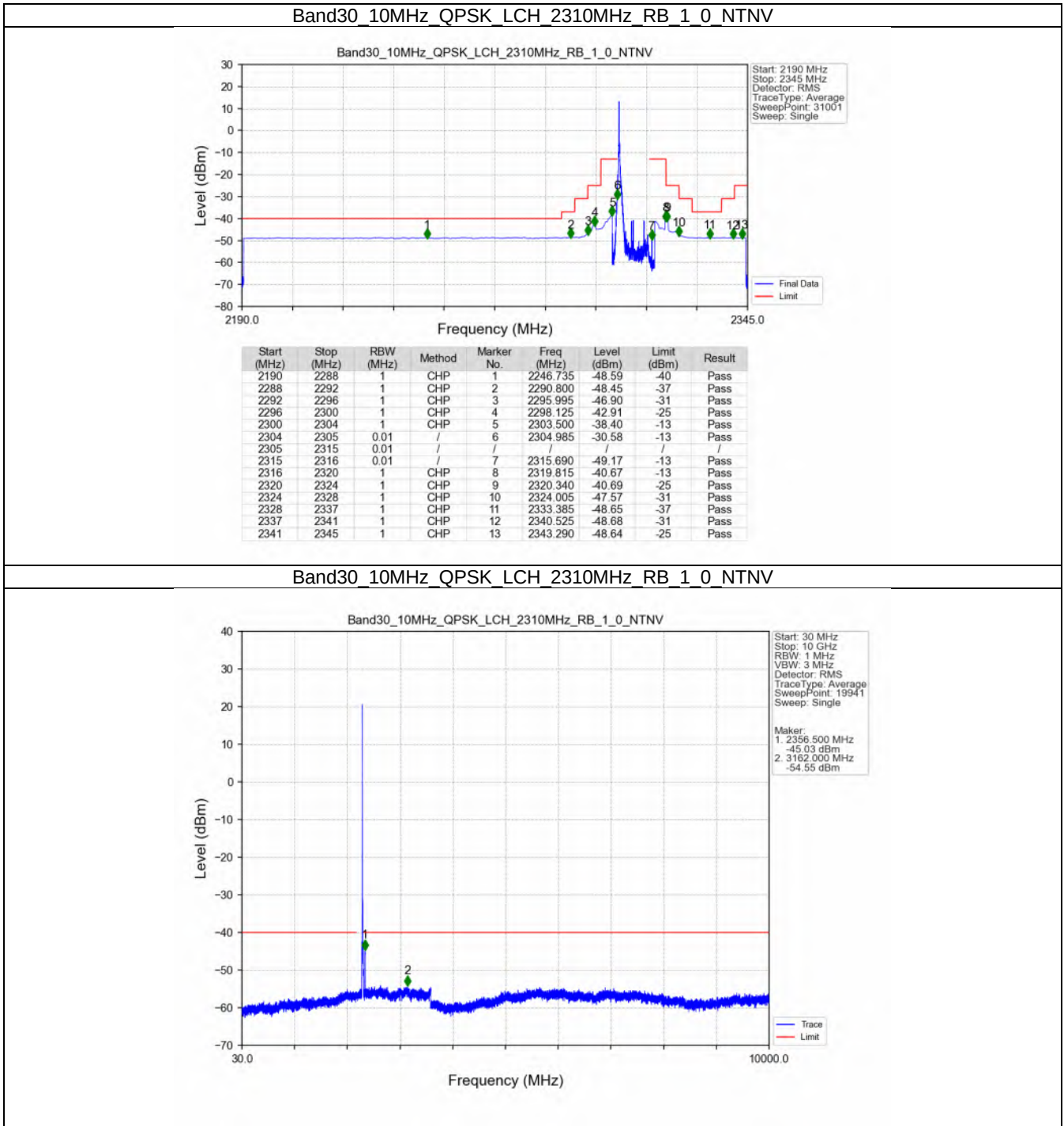
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2279.595	-48.46	-40	Pass
2288	2292	1	CHP	2	2288.035	-48.67	-37	Pass
2292	2296	1	CHP	3	2295.610	-48.63	-31	Pass
2296	2300	1	CHP	4	2298.545	-48.52	-25	Pass
2300	2304	1	CHP	5	2303.500	-46.52	-13	Pass
2304	2305	0.01	/	6	2304.855	-59.77	-13	Pass
2305	2315	0.01	/	/	/	/	/	/
2315	2316	0.01	/	7	2315.010	-25.45	-13	Pass
2316	2320	1	CHP	8	2316.500	-38.09	-13	Pass
2320	2324	1	CHP	9	2320.005	-44.64	-25	Pass
2324	2328	1	CHP	10	2324.220	-48.41	-31	Pass
2328	2337	1	CHP	11	2332.175	-48.56	-37	Pass
2337	2341	1	CHP	12	2340.925	-48.61	-31	Pass
2341	2345	1	CHP	13	2341.255	-48.59	-25	Pass

Band30 5MHz QPSK HCH 2312.5MHz RB 25 0 NTNV

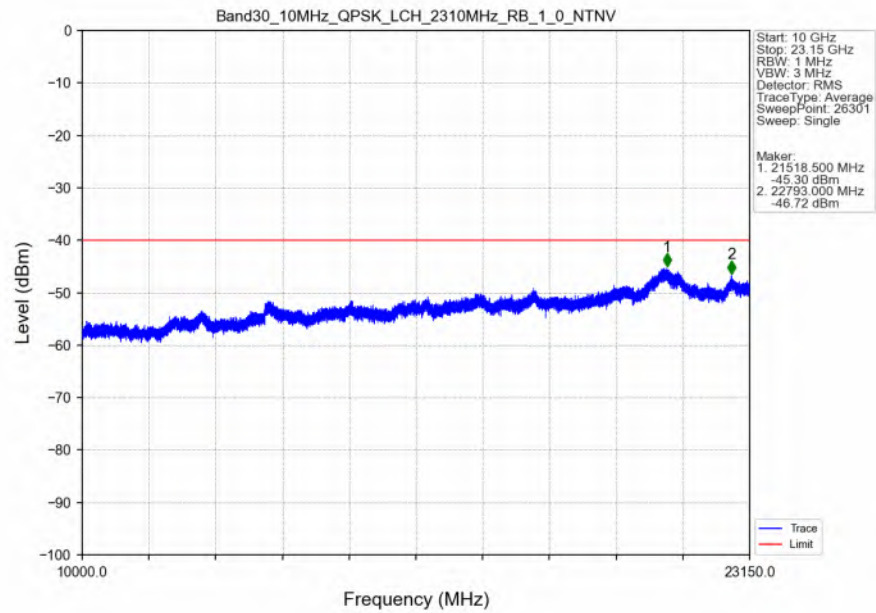


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2240.102	-48.53	-40	Pass
2288	2292	1	CHP	2	2290.143	-48.60	-37	Pass
2292	2296	1	CHP	3	2295.978	-48.19	-31	Pass
2296	2300	1	CHP	4	2299.999	-42.09	-25	Pass
2300	2304	1	CHP	5	2303.494	-31.43	-13	Pass
2304	2305	0.051	CHP	6	2304.979	-40.06	-13	Pass
2305	2315	0.051	CHP	/	/	/	/	/
2315	2316	0.051	CHP	7	2315.014	-31.83	-13	Pass
2316	2320	1	CHP	8	2316.514	-24.50	-13	Pass
2320	2324	1	CHP	9	2320.009	-28.41	-25	Pass
2324	2328	1	CHP	10	2324.014	-40.07	-31	Pass
2328	2337	1	CHP	11	2328.079	-48.19	-37	Pass
2337	2341	1	CHP	12	2338.715	-48.55	-31	Pass
2341	2345	1	CHP	13	2343.845	-48.68	-25	Pass

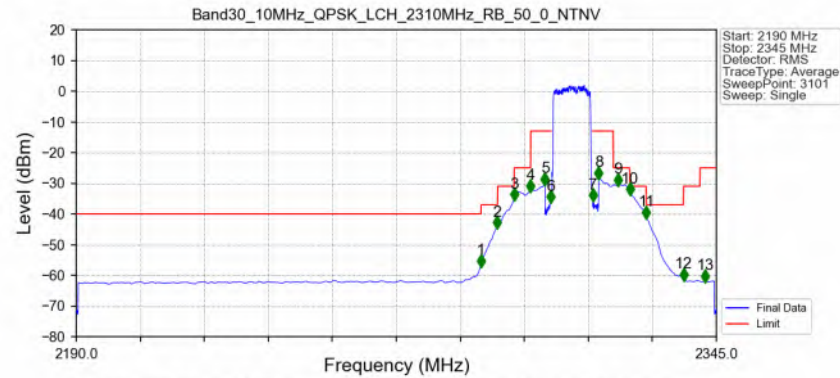
5.2.2 B30_10MHz



Band30_10MHz_QPSK_LCH_2310MHz_RB_1_0_NTNV

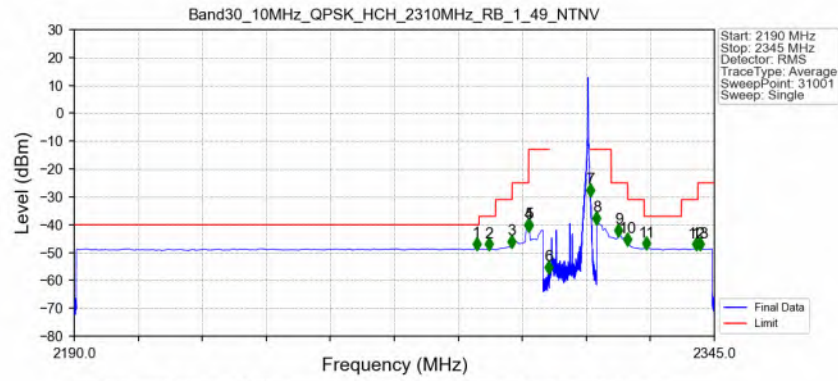


Band30_10MHz_QPSK_LCH_2310MHz_RB_50_0_NTNV



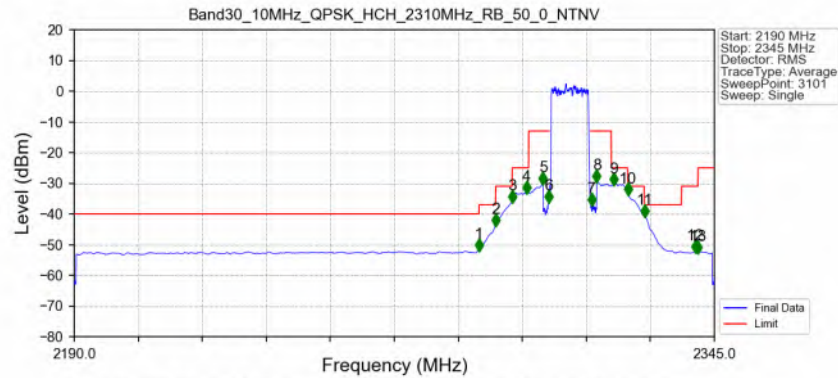
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-56.80	-40	Pass
2288	2292	1	CHP	2	2291.850	-44.38	-37	Pass
2292	2296	1	CHP	3	2296.000	-35.27	-31	Pass
2296	2300	1	CHP	4	2300.000	-32.43	-25	Pass
2300	2304	1	CHP	5	2303.500	-30.26	-13	Pass
2304	2305	0.1	/	6	2304.950	-35.96	-13	Pass
2305	2315	0.1	/	/	/	/	/	/
2315	2316	0.1	/	7	2315.050	-35.50	-13	Pass
2316	2320	1	CHP	8	2316.500	-28.27	-13	Pass
2320	2324	1	CHP	9	2321.200	-30.42	-25	Pass
2324	2328	1	CHP	10	2324.050	-33.52	-31	Pass
2328	2337	1	CHP	11	2328.050	-41.09	-37	Pass
2337	2341	1	CHP	12	2337.050	-61.24	-31	Pass
2341	2345	1	CHP	13	2342.300	-61.85	-25	Pass

Band30_10MHz_QPSK_HCH_2310MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2287.445	-48.57	-40	Pass
2288	2292	1	CHP	2	2290.415	-48.72	-37	Pass
2292	2296	1	CHP	3	2295.985	-47.76	-31	Pass
2296	2300	1	CHP	4	2299.970	-41.82	-25	Pass
2300	2304	1	CHP	5	2300.100	-41.80	-13	Pass
2304	2305	0.01	/	6	2304.850	-56.93	-13	Pass
2305	2315	0.01	/	/	/	/	/	/
2315	2316	0.01	/	7	2315.010	-29.32	-13	Pass
2316	2320	1	CHP	8	2316.500	-39.26	-13	Pass
2320	2324	1	CHP	9	2321.805	-43.74	-25	Pass
2324	2328	1	CHP	10	2324.015	-46.96	-31	Pass
2328	2337	1	CHP	11	2328.590	-48.41	-37	Pass
2337	2341	1	CHP	12	2340.655	-48.72	-31	Pass
2341	2345	1	CHP	13	2341.550	-48.68	-25	Pass

Band30_10MHz_QPSK_HCH_2310MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2190	2288	1	CHP	1	2288.000	-51.69	-40	Pass
2288	2292	1	CHP	2	2292.000	-43.47	-37	Pass
2292	2296	1	CHP	3	2296.000	-35.94	-31	Pass
2296	2300	1	CHP	4	2299.500	-32.88	-25	Pass
2300	2304	1	CHP	5	2303.500	-29.86	-13	Pass
2304	2305	0.1	/	6	2304.950	-35.91	-13	Pass
2305	2315	0.1	/	/	/	/	/	/
2315	2316	0.1	/	7	2315.300	-36.77	-13	Pass
2316	2320	1	CHP	8	2316.500	-29.18	-13	Pass
2320	2324	1	CHP	9	2320.700	-30.29	-25	Pass
2324	2328	1	CHP	10	2324.050	-33.51	-31	Pass
2328	2337	1	CHP	11	2328.150	-40.61	-37	Pass
2337	2341	1	CHP	12	2340.350	-52.18	-31	Pass
2341	2345	1	CHP	13	2341.050	-52.33	-25	Pass