1. Effective (Isotropic) Radiated Power Output Data

1.1 B38_5MHz_EIRP

1.1.1 Test Result

Band: 38 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2572.5	1	0	22.46	2.9	25.36	<=33.01	Pass
			13	22.52	2.9	25.42	<=33.01	Pass
			24	22.35	2.9	25.25	<=33.01	Pass
		12	0	21.9	2.9	24.8	<=33.01	Pass
			6	22.06	2.9	24.96	<=33.01	Pass
			13	21.89	2.9	24.79	<=33.01	Pass
		25	0	21.91	2.9	24.81	<=33.01	Pass
	2595	1	0	22.51	2.9	25.41	<=33.01	Pass
			13	22.33	2.9	25.23	<=33.01	Pass
			24	22.3	2.9	25.2	<=33.01	Pass
		12	0	21.76	2.9	24.66	<=33.01	Pass
			6	21.93	2.9	24.83	<=33.01	Pass
			13	21.98	2.9	24.88	<=33.01	Pass
		25	0	21.74	2.9	24.64	<=33.01	Pass
	2617.5	1	0	22.84	2.9	25.74	<=33.01	Pass
			13	22.96	2.9	25.86	<=33.01	Pass
			24	22.9	2.9	25.8	<=33.01	Pass
		12	0	22.45	2.9	25.35	<=33.01	Pass
			6	22.58	2.9	25.48	<=33.01	Pass
			13	22.48	2.9	25.38	<=33.01	Pass
		25	0	22.36	2.9	25.26	<=33.01	Pass
16QAM	2572.5	1	0	21.92	2.9	24.82	<=33.01	Pass
			13	21.86	2.9	24.76	<=33.01	Pass
			24	21.78	2.9	24.68	<=33.01	Pass
		12	0	20.77	2.9	23.67	<=33.01	Pass
			6	20.75	2.9	23.65	<=33.01	Pass
			13	20.92	2.9	23.82	<=33.01	Pass
		25	0	20.99	2.9	23.89	<=33.01	Pass
	2595	1	0	21.92	2.9	24.82	<=33.01	Pass
			13	22.09	2.9	24.99	<=33.01	Pass
			24	22.14	2.9	25.04	<=33.01	Pass
		12	0	20.91	2.9	23.81	<=33.01	Pass
			6	20.86	2.9	23.76	<=33.01	Pass
			13	20.88	2.9	23.78	<=33.01	Pass
		25	0	20.87	2.9	23.77	<=33.01	Pass
	2617.5	1	0	22.08	2.9	24.98	<=33.01	Pass
			13	22.09	2.9	24.99	<=33.01	Pass
			24	22.17	2.9	25.07	<=33.01	Pass
		12	0	21.49	2.9	24.39	<=33.01	Pass
			6	21.48	2.9	24.38	<=33.01	Pass
			13	21.59	2.9	24.49	<=33.01	Pass
		25	0	21.81	2.9	24.71	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B38_10MHz_EIRP

1.2.1 Test Result

Band: 38 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2575	1	0	22.41	2.9	25.31	<=33.01	Pass
			25	22.35	2.9	25.25	<=33.01	Pass
			49	22.39	2.9	25.29	<=33.01	Pass
		25	0	21.96	2.9	24.86	<=33.01	Pass
			13	21.88	2.9	24.78	<=33.01	Pass
			25	21.92	2.9	24.82	<=33.01	Pass
		50	0	21.77	2.9	24.67	<=33.01	Pass
	2595	1	0	22.36	2.9	25.26	<=33.01	Pass
			25	22.45	2.9	25.35	<=33.01	Pass
			49	22.33	2.9	25.23	<=33.01	Pass
		25	0	21.88	2.9	24.78	<=33.01	Pass
			13	21.8	2.9	24.7	<=33.01	Pass
			25	21.84	2.9	24.74	<=33.01	Pass
		50	0	21.82	2.9	24.72	<=33.01	Pass
	2615	1	0	22.75	2.9	25.65	<=33.01	Pass
			25	22.79	2.9	25.69	<=33.01	Pass
			49	22.88	2.9	25.78	<=33.01	Pass
		25	0	22.37	2.9	25.27	<=33.01	Pass
			13	22.38	2.9	25.28	<=33.01	Pass
			25	22.48	2.9	25.38	<=33.01	Pass
		50	0	22.45	2.9	25.35	<=33.01	Pass
16QAM	2575	1	0	22.02	2.9	24.92	<=33.01	Pass
			25	22.04	2.9	24.94	<=33.01	Pass
			49	22.02	2.9	24.92	<=33.01	Pass
		25	0	20.94	2.9	23.84	<=33.01	Pass
			13	20.92	2.9	23.82	<=33.01	Pass
			25	20.89	2.9	23.79	<=33.01	Pass
		50	0	20.96	2.9	23.86	<=33.01	Pass
	2595	1	0	22.81	2.9	25.71	<=33.01	Pass
			25	22.76	2.9	25.66	<=33.01	Pass
			49	22.82	2.9	25.72	<=33.01	Pass
		25	0	20.93	2.9	23.83	<=33.01	Pass
			13	21.01	2.9	23.91	<=33.01	Pass
			25	20.89	2.9	23.79	<=33.01	Pass
		50	0	20.98	2.9	23.88	<=33.01	Pass
	2615	1	0	21.14	2.9	24.04	<=33.01	Pass
			25	21.89	2.9	24.79	<=33.01	Pass
			49	21.72	2.9	24.62	<=33.01	Pass
		25	0	20.66	2.9	23.56	<=33.01	Pass
			13	20.65	2.9	23.55	<=33.01	Pass
			25	20.82	2.9	23.72	<=33.01	Pass
		50	0	20.37	2.9	23.27	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B38_15MHz_EIRP

1.3.1 Test Result

Band: 38 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2577.5	1	0	22.66	2.9	25.56	<=33.01	Pass
			38	22.54	2.9	25.44	<=33.01	Pass
			74	22.29	2.9	25.19	<=33.01	Pass
		36	0	21.83	2.9	24.73	<=33.01	Pass
			18	21.88	2.9	24.78	<=33.01	Pass
			39	21.95	2.9	24.85	<=33.01	Pass
		75	0	21.92	2.9	24.82	<=33.01	Pass
	2595	1	0	22.34	2.9	25.24	<=33.01	Pass
			38	22.39	2.9	25.29	<=33.01	Pass
			74	22.33	2.9	25.23	<=33.01	Pass
		36	0	21.8	2.9	24.7	<=33.01	Pass
			18	21.73	2.9	24.63	<=33.01	Pass
			39	21.82	2.9	24.72	<=33.01	Pass
		75	0	21.86	2.9	24.76	<=33.01	Pass
	2612.5	1	0	22.55	2.9	25.45	<=33.01	Pass
			38	22.93	2.9	25.83	<=33.01	Pass
			74	23.04	2.9	25.94	<=33.01	Pass
		36	0	22.17	2.9	25.07	<=33.01	Pass
			18	22.44	2.9	25.34	<=33.01	Pass
			39	22.57	2.9	25.47	<=33.01	Pass
		75	0	22.32	2.9	25.22	<=33.01	Pass
16QAM	2577.5	1	0	22.13	2.9	25.03	<=33.01	Pass
			38	21.77	2.9	24.67	<=33.01	Pass
			74	21.99	2.9	24.89	<=33.01	Pass
		36	0	20.92	2.9	23.82	<=33.01	Pass
			18	20.92	2.9	23.82	<=33.01	Pass
			39	20.97	2.9	23.87	<=33.01	Pass
		75	0	20.98	2.9	23.88	<=33.01	Pass
	2595	1	0	21.78	2.9	24.68	<=33.01	Pass
			38	21.75	2.9	24.65	<=33.01	Pass
			74	21.74	2.9	24.64	<=33.01	Pass
		36	0	20.84	2.9	23.74	<=33.01	Pass
			18	20.91	2.9	23.81	<=33.01	Pass
			39	20.86	2.9	23.76	<=33.01	Pass
		75	0	20.96	2.9	23.86	<=33.01	Pass
	2612.5	1	0	21.83	2.9	24.73	<=33.01	Pass
			38	21.48	2.9	24.38	<=33.01	Pass
			74	21.48	2.9	24.38	<=33.01	Pass
		36	0	21.36	2.9	24.26	<=33.01	Pass
			18	21.46	2.9	24.36	<=33.01	Pass
			39	21.59	2.9	24.49	<=33.01	Pass
		75	0	21.41	2.9	24.31	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B38_20MHz_EIRP

1.4.1 Test Result

Band: 38 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2580	1	0	22.39	2.9	25.29	<=33.01	Pass
			50	22.39	2.9	25.29	<=33.01	Pass
			99	22.2	2.9	25.1	<=33.01	Pass
		50	0	21.88	2.9	24.78	<=33.01	Pass
			25	21.92	2.9	24.82	<=33.01	Pass
			50	21.75	2.9	24.65	<=33.01	Pass
		100	0	21.94	2.9	24.84	<=33.01	Pass
	2595	1	0	22.29	2.9	25.19	<=33.01	Pass
			50	22.27	2.9	25.17	<=33.01	Pass
			99	22.47	2.9	25.37	<=33.01	Pass
		50	0	21.78	2.9	24.68	<=33.01	Pass
			25	21.88	2.9	24.78	<=33.01	Pass
			50	21.78	2.9	24.68	<=33.01	Pass
		100	0	21.71	2.9	24.61	<=33.01	Pass
	2610	1	0	22.48	2.9	25.38	<=33.01	Pass
			50	22.81	2.9	25.71	<=33.01	Pass
			99	23.27	2.9	26.17	<=33.01	Pass
		50	0	21.99	2.9	24.89	<=33.01	Pass
			25	22.12	2.9	25.02	<=33.01	Pass
			50	22.41	2.9	25.31	<=33.01	Pass
		100	0	22.2	2.9	25.1	<=33.01	Pass
16QAM	2580	1	0	22.37	2.9	25.27	<=33.01	Pass
			50	22.32	2.9	25.22	<=33.01	Pass
			99	22.58	2.9	25.48	<=33.01	Pass
		50	0	21.19	2.9	24.09	<=33.01	Pass
			25	21.17	2.9	24.07	<=33.01	Pass
			50	21.07	2.9	23.97	<=33.01	Pass
		100	0	21	2.9	23.9	<=33.01	Pass
	2595	1	0	21.87	2.9	24.77	<=33.01	Pass
			50	21.71	2.9	24.61	<=33.01	Pass
			99	21.76	2.9	24.66	<=33.01	Pass
		50	0	20.97	2.9	23.87	<=33.01	Pass
			25	21	2.9	23.9	<=33.01	Pass
			50	21.05	2.9	23.95	<=33.01	Pass
		100	0	20.85	2.9	23.75	<=33.01	Pass
	2610	1	0	22.89	2.9	25.79	<=33.01	Pass
			50	23	2.9	25.9	<=33.01	Pass
			99	22.91	2.9	25.81	<=33.01	Pass
		50	0	21.2	2.9	24.1	<=33.01	Pass
			25	21.28	2.9	24.18	<=33.01	Pass
			50	21.58	2.9	24.48	<=33.01	Pass
		100	0	21.34	2.9	24.24	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B38_5MHz

2.1.1 Test Result

Band: 38 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2572.5	25	0	20	12	29.843	0.0116	-2.5 to 2.5	Pass
					24	41.623	0.0162	-2.5 to 2.5	Pass
					48	11.106	0.0043	-2.5 to 2.5	Pass
				-30	24	14.340	0.0056	-2.5 to 2.5	Pass
				-20	24	19.321	0.0075	-2.5 to 2.5	Pass
				-10	24	28.665	0.0111	-2.5 to 2.5	Pass
				0	24	31.612	0.0123	-2.5 to 2.5	Pass
				10	24	36.530	0.0142	-2.5 to 2.5	Pass
				30	24	37.348	0.0145	-2.5 to 2.5	Pass
				40	24	-8.782	-0.0034	-2.5 to 2.5	Pass
				50	24	-12.812	-0.0050	-2.5 to 2.5	Pass
	2595	25	0	20	12	7.036	0.0027	-2.5 to 2.5	Pass
					24	3.111	0.0012	-2.5 to 2.5	Pass
					48	9.869	0.0038	-2.5 to 2.5	Pass
				-30	24	7.686	0.0030	-2.5 to 2.5	Pass
				-20	24	-20.812	-0.0080	-2.5 to 2.5	Pass
				-10	24	-24.742	-0.0095	-2.5 to 2.5	Pass
				0	24	-30.003	-0.0116	-2.5 to 2.5	Pass
				10	24	-31.663	-0.0122	-2.5 to 2.5	Pass
				30	24	-19.582	-0.0075	-2.5 to 2.5	Pass
				40	24	-37.916	-0.0146	-2.5 to 2.5	Pass
				50	24	-21.383	-0.0082	-2.5 to 2.5	Pass
	2617.5	25	0	20	12	-10.518	-0.0040	-2.5 to 2.5	Pass
					24	-40.920	-0.0156	-2.5 to 2.5	Pass
					48	-49.808	-0.0190	-2.5 to 2.5	Pass
				-30	24	-52.897	-0.0202	-2.5 to 2.5	Pass
				-20	24	-13.994	-0.0053	-2.5 to 2.5	Pass
				-10	24	-60.213	-0.0230	-2.5 to 2.5	Pass
				0	24	-29.429	-0.0112	-2.5 to 2.5	Pass
				10	24	-12.543	-0.0048	-2.5 to 2.5	Pass
				30	24	-36.157	-0.0138	-2.5 to 2.5	Pass
				40	24	-32.047	-0.0122	-2.5 to 2.5	Pass
				50	24	-14.736	-0.0056	-2.5 to 2.5	Pass
16QAM	2572.5	25	0	20	12	-3.108	-0.0012	-2.5 to 2.5	Pass
					24	12.578	0.0049	-2.5 to 2.5	Pass
					48	38.638	0.0150	-2.5 to 2.5	Pass
				-30	24	-7.487	-0.0029	-2.5 to 2.5	Pass
				-20	24	12.587	0.0049	-2.5 to 2.5	Pass
				-10	24	24.814	0.0096	-2.5 to 2.5	Pass
				0	24	35.840	0.0139	-2.5 to 2.5	Pass
				10	24	47.093	0.0183	-2.5 to 2.5	Pass
				30	24	21.928	0.0085	-2.5 to 2.5	Pass
				40	24	27.200	0.0106	-2.5 to 2.5	Pass
				50	24	37.953	0.0148	-2.5 to 2.5	Pass

	2595	25	0	20	12	-18.168	-0.0070	-2.5 to 2.5	Pass
					24	-0.764	-0.0003	-2.5 to 2.5	Pass
					48	2.011	0.0008	-2.5 to 2.5	Pass
				-30	24	11.117	0.0043	-2.5 to 2.5	Pass
				-20	24	43.281	0.0167	-2.5 to 2.5	Pass
				-10	24	6.676	0.0026	-2.5 to 2.5	Pass
				0	24	-1.142	-0.0004	-2.5 to 2.5	Pass
				10	24	7.761	0.0030	-2.5 to 2.5	Pass
				30	24	37.939	0.0146	-2.5 to 2.5	Pass
				40	24	47.126	0.0182	-2.5 to 2.5	Pass
				50	24	-18.679	-0.0072	-2.5 to 2.5	Pass
	2617.5	25	0	20	12	-26.637	-0.0102	-2.5 to 2.5	Pass
					24	-21.879	-0.0084	-2.5 to 2.5	Pass
					48	-14.459	-0.0055	-2.5 to 2.5	Pass
				-30	24	-33.107	-0.0126	-2.5 to 2.5	Pass
				-20	24	-18.414	-0.0070	-2.5 to 2.5	Pass
				-10	24	-14.002	-0.0053	-2.5 to 2.5	Pass
				0	24	-25.644	-0.0098	-2.5 to 2.5	Pass
				10	24	-10.824	-0.0041	-2.5 to 2.5	Pass
				30	24	-9.478	-0.0036	-2.5 to 2.5	Pass
				40	24	-25.192	-0.0096	-2.5 to 2.5	Pass
				50	24	-12.162	-0.0046	-2.5 to 2.5	Pass

2.2 B38_10MHz

2.2.1 Test Result

Band: 38 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2575	50	0	20	12	29.509	0.0115	-2.5 to 2.5	Pass
					24	43.958	0.0171	-2.5 to 2.5	Pass
					48	-7.215	-0.0028	-2.5 to 2.5	Pass
				-30	24	-14.730	-0.0057	-2.5 to 2.5	Pass
				-20	24	-7.133	-0.0028	-2.5 to 2.5	Pass
				-10	24	1.734	0.0007	-2.5 to 2.5	Pass
				0	24	-7.462	-0.0029	-2.5 to 2.5	Pass
				10	24	0.222	0.0001	-2.5 to 2.5	Pass
				30	24	13.750	0.0053	-2.5 to 2.5	Pass
				40	24	8.368	0.0032	-2.5 to 2.5	Pass
				50	24	12.017	0.0047	-2.5 to 2.5	Pass
	2595	50	0	20	12	0.737	0.0003	-2.5 to 2.5	Pass
					24	-5.249	-0.0020	-2.5 to 2.5	Pass
					48	-0.194	-0.0001	-2.5 to 2.5	Pass
				-30	24	-26.421	-0.0102	-2.5 to 2.5	Pass
				-20	24	-10.607	-0.0041	-2.5 to 2.5	Pass
				-10	24	-34.040	-0.0131	-2.5 to 2.5	Pass
				0	24	-37.441	-0.0144	-2.5 to 2.5	Pass
				10	24	-38.080	-0.0147	-2.5 to 2.5	Pass
				30	24	-16.863	-0.0065	-2.5 to 2.5	Pass
				40	24	-37.227	-0.0143	-2.5 to 2.5	Pass
				50	24	-17.952	-0.0069	-2.5 to 2.5	Pass
	2615	50	0	20	12	1.623	0.0006	-2.5 to 2.5	Pass
					24	-52.422	-0.0200	-2.5 to 2.5	Pass
					48	-34.132	-0.0131	-2.5 to 2.5	Pass
				-30	24	-38.750	-0.0148	-2.5 to 2.5	Pass
				-20	24	-9.485	-0.0036	-2.5 to 2.5	Pass
				-10	24	-35.041	-0.0134	-2.5 to 2.5	Pass
				0	24	8.573	0.0033	-2.5 to 2.5	Pass
				10	24	-28.318	-0.0108	-2.5 to 2.5	Pass
				30	24	-32.458	-0.0124	-2.5 to 2.5	Pass
				40	24	-47.222	-0.0181	-2.5 to 2.5	Pass
				50	24	-27.656	-0.0106	-2.5 to 2.5	Pass
16QAM	2575	50	0	20	12	31.315	0.0122	-2.5 to 2.5	Pass
					24	2.193	0.0009	-2.5 to 2.5	Pass
					48	12.622	0.0049	-2.5 to 2.5	Pass
				-30	24	28.091	0.0109	-2.5 to 2.5	Pass
				-20	24	28.091	0.0109	-2.5 to 2.5	Pass
				-10	24	33.504	0.0130	-2.5 to 2.5	Pass
				0	24	-8.619	-0.0033	-2.5 to 2.5	Pass
				10	24	-0.568	-0.0002	-2.5 to 2.5	Pass
				30	24	15.058	0.0058	-2.5 to 2.5	Pass
				40	24	24.629	0.0096	-2.5 to 2.5	Pass
				50	24	33.605	0.0131	-2.5 to 2.5	Pass
	2595	50	0	20	12	-27.813	-0.0107	-2.5 to 2.5	Pass
					24	-3.060	-0.0012	-2.5 to 2.5	Pass
					48	-4.898	-0.0019	-2.5 to 2.5	Pass
				-30	24	24.562	0.0095	-2.5 to 2.5	Pass
				-20	24	34.016	0.0131	-2.5 to 2.5	Pass

				-10	24	46.166	0.0178	-2.5 to 2.5	Pass
				0	24	7.268	0.0028	-2.5 to 2.5	Pass
				10	24	2.682	0.0010	-2.5 to 2.5	Pass
				30	24	23.105	0.0089	-2.5 to 2.5	Pass
				40	24	20.066	0.0077	-2.5 to 2.5	Pass
				50	24	21.270	0.0082	-2.5 to 2.5	Pass
	2615	50	0	20	12	-49.993	-0.0191	-2.5 to 2.5	Pass
					24	-45.911	-0.0176	-2.5 to 2.5	Pass
					48	-19.006	-0.0073	-2.5 to 2.5	Pass
				-30	24	-30.571	-0.0117	-2.5 to 2.5	Pass
				-20	24	-28.056	-0.0107	-2.5 to 2.5	Pass
				-10	24	-6.667	-0.0025	-2.5 to 2.5	Pass
				0	24	-2.754	-0.0011	-2.5 to 2.5	Pass
				10	24	-11.918	-0.0046	-2.5 to 2.5	Pass
				30	24	-1.414	-0.0005	-2.5 to 2.5	Pass
				40	24	-16.546	-0.0063	-2.5 to 2.5	Pass
				50	24	-12.598	-0.0048	-2.5 to 2.5	Pass

2.3 B38_15MHz

2.3.1 Test Result

Band: 38 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2577.5	75	0	20	12	24.161	0.0094	-2.5 to 2.5	Pass
					24	37.496	0.0145	-2.5 to 2.5	Pass
					48	0.734	0.0003	-2.5 to 2.5	Pass
				-30	24	5.199	0.0020	-2.5 to 2.5	Pass
				-20	24	18.075	0.0070	-2.5 to 2.5	Pass
				-10	24	14.156	0.0055	-2.5 to 2.5	Pass
				0	24	20.278	0.0079	-2.5 to 2.5	Pass
				10	24	29.615	0.0115	-2.5 to 2.5	Pass
				30	24	31.175	0.0121	-2.5 to 2.5	Pass
				40	24	34.341	0.0133	-2.5 to 2.5	Pass
				50	24	35.130	0.0136	-2.5 to 2.5	Pass
	2595	75	0	20	12	8.718	0.0034	-2.5 to 2.5	Pass
					24	2.087	0.0008	-2.5 to 2.5	Pass
					48	-5.951	-0.0023	-2.5 to 2.5	Pass
				-30	24	-20.350	-0.0078	-2.5 to 2.5	Pass
				-20	24	-8.157	-0.0031	-2.5 to 2.5	Pass
				-10	24	-11.248	-0.0043	-2.5 to 2.5	Pass
				0	24	-17.471	-0.0067	-2.5 to 2.5	Pass
				10	24	-15.394	-0.0059	-2.5 to 2.5	Pass
				30	24	-22.185	-0.0085	-2.5 to 2.5	Pass
				40	24	-26.053	-0.0100	-2.5 to 2.5	Pass
				50	24	-41.600	-0.0160	-2.5 to 2.5	Pass
	2612.5	75	0	20	12	-22.540	-0.0086	-2.5 to 2.5	Pass
					24	3.953	0.0015	-2.5 to 2.5	Pass
					48	-45.560	-0.0174	-2.5 to 2.5	Pass
				-30	24	-31.865	-0.0122	-2.5 to 2.5	Pass
				-20	24	-20.597	-0.0079	-2.5 to 2.5	Pass
				-10	24	-41.272	-0.0158	-2.5 to 2.5	Pass
				0	24	-17.980	-0.0069	-2.5 to 2.5	Pass
				10	24	-41.197	-0.0158	-2.5 to 2.5	Pass
				30	24	3.992	0.0015	-2.5 to 2.5	Pass
				40	24	-8.016	-0.0031	-2.5 to 2.5	Pass
				50	24	-19.794	-0.0076	-2.5 to 2.5	Pass
16QAM	2577.5	75	0	20	12	33.544	0.0130	-2.5 to 2.5	Pass
					24	2.240	0.0009	-2.5 to 2.5	Pass
					48	21.595	0.0084	-2.5 to 2.5	Pass
				-30	24	46.392	0.0180	-2.5 to 2.5	Pass
				-20	24	-10.376	-0.0040	-2.5 to 2.5	Pass
				-10	24	2.210	0.0009	-2.5 to 2.5	Pass
				0	24	12.612	0.0049	-2.5 to 2.5	Pass
				10	24	21.288	0.0083	-2.5 to 2.5	Pass
				30	24	31.950	0.0124	-2.5 to 2.5	Pass
				40	24	41.036	0.0159	-2.5 to 2.5	Pass
				50	24	12.918	0.0050	-2.5 to 2.5	Pass
	2595	75	0	20	12	-27.733	-0.0107	-2.5 to 2.5	Pass
					24	-29.153	-0.0112	-2.5 to 2.5	Pass
					48	4.748	0.0018	-2.5 to 2.5	Pass
				-30	24	19.686	0.0076	-2.5 to 2.5	Pass
				-20	24	12.668	0.0049	-2.5 to 2.5	Pass

				-10	24	40.470	0.0156	-2.5 to 2.5	Pass
				0	24	50.690	0.0195	-2.5 to 2.5	Pass
				10	24	8.000	0.0031	-2.5 to 2.5	Pass
				30	24	1.883	0.0007	-2.5 to 2.5	Pass
				40	24	25.795	0.0099	-2.5 to 2.5	Pass
				50	24	31.292	0.0121	-2.5 to 2.5	Pass
	2612.5	75	0	20	12	-33.657	-0.0129	-2.5 to 2.5	Pass
					24	-26.145	-0.0100	-2.5 to 2.5	Pass
					48	-18.646	-0.0071	-2.5 to 2.5	Pass
				-30	24	-24.096	-0.0092	-2.5 to 2.5	Pass
				-20	24	-10.512	-0.0040	-2.5 to 2.5	Pass
				-10	24	-8.669	-0.0033	-2.5 to 2.5	Pass
				0	24	-15.169	-0.0058	-2.5 to 2.5	Pass
				10	24	-15.596	-0.0060	-2.5 to 2.5	Pass
				30	24	-11.341	-0.0043	-2.5 to 2.5	Pass
				40	24	-10.792	-0.0041	-2.5 to 2.5	Pass
				50	24	-8.084	-0.0031	-2.5 to 2.5	Pass

2.4 B38_20MHz

2.4.1 Test Result

Band: 38 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2580	100	0	20	12	21.666	0.0084	-2.5 to 2.5	Pass
					24	13.267	0.0051	-2.5 to 2.5	Pass
					48	16.133	0.0063	-2.5 to 2.5	Pass
				-30	24	37.646	0.0146	-2.5 to 2.5	Pass
				-20	24	41.968	0.0163	-2.5 to 2.5	Pass
				-10	24	44.457	0.0172	-2.5 to 2.5	Pass
				0	24	47.676	0.0185	-2.5 to 2.5	Pass
				10	24	-10.209	-0.0040	-2.5 to 2.5	Pass
				30	24	-20.736	-0.0080	-2.5 to 2.5	Pass
				40	24	4.438	0.0017	-2.5 to 2.5	Pass
				50	24	-16.414	-0.0064	-2.5 to 2.5	Pass
	2595	100	0	20	12	-4.745	-0.0018	-2.5 to 2.5	Pass
					24	-13.089	-0.0050	-2.5 to 2.5	Pass
					48	-54.658	-0.0211	-2.5 to 2.5	Pass
				-30	24	-55.477	-0.0214	-2.5 to 2.5	Pass
				-20	24	-36.346	-0.0140	-2.5 to 2.5	Pass
				-10	24	-9.170	-0.0035	-2.5 to 2.5	Pass
				0	24	-62.686	-0.0242	-2.5 to 2.5	Pass
				10	24	-47.120	-0.0182	-2.5 to 2.5	Pass
				30	24	-11.807	-0.0045	-2.5 to 2.5	Pass
				40	24	-55.615	-0.0214	-2.5 to 2.5	Pass
				50	24	-1.569	-0.0006	-2.5 to 2.5	Pass
	2610	100	0	20	12	3.870	0.0015	-2.5 to 2.5	Pass
					24	-43.342	-0.0166	-2.5 to 2.5	Pass
					48	-37.852	-0.0145	-2.5 to 2.5	Pass
				-30	24	-15.663	-0.0060	-2.5 to 2.5	Pass
				-20	24	-22.015	-0.0084	-2.5 to 2.5	Pass
				-10	24	-48.237	-0.0185	-2.5 to 2.5	Pass
				0	24	-19.548	-0.0075	-2.5 to 2.5	Pass
				10	24	-40.848	-0.0157	-2.5 to 2.5	Pass
				30	24	-24.350	-0.0093	-2.5 to 2.5	Pass
				40	24	-46.240	-0.0177	-2.5 to 2.5	Pass
				50	24	-16.467	-0.0063	-2.5 to 2.5	Pass
16QAM	2580	100	0	20	12	7.866	0.0030	-2.5 to 2.5	Pass
					24	24.961	0.0097	-2.5 to 2.5	Pass
					48	44.937	0.0174	-2.5 to 2.5	Pass
				-30	24	25.006	0.0097	-2.5 to 2.5	Pass
				-20	24	26.138	0.0101	-2.5 to 2.5	Pass
				-10	24	46.646	0.0181	-2.5 to 2.5	Pass
				0	24	-3.067	-0.0012	-2.5 to 2.5	Pass
				10	24	-11.165	-0.0043	-2.5 to 2.5	Pass
				30	24	15.057	0.0058	-2.5 to 2.5	Pass
				40	24	24.899	0.0097	-2.5 to 2.5	Pass
				50	24	16.533	0.0064	-2.5 to 2.5	Pass
	2595	100	0	20	12	-42.766	-0.0165	-2.5 to 2.5	Pass
					24	-24.373	-0.0094	-2.5 to 2.5	Pass
					48	-37.562	-0.0145	-2.5 to 2.5	Pass
				-30	24	-21.122	-0.0081	-2.5 to 2.5	Pass
				-20	24	-21.684	-0.0084	-2.5 to 2.5	Pass

				-10	24	-34.216	-0.0132	-2.5 to 2.5	Pass
				0	24	-19.081	-0.0074	-2.5 to 2.5	Pass
				10	24	-29.445	-0.0113	-2.5 to 2.5	Pass
				30	24	-35.536	-0.0137	-2.5 to 2.5	Pass
				40	24	-18.821	-0.0073	-2.5 to 2.5	Pass
				50	24	-38.162	-0.0147	-2.5 to 2.5	Pass
	2610	100	0	20	12	-31.720	-0.0122	-2.5 to 2.5	Pass
					24	-27.593	-0.0106	-2.5 to 2.5	Pass
					48	-26.981	-0.0103	-2.5 to 2.5	Pass
				-30	24	-25.174	-0.0096	-2.5 to 2.5	Pass
				-20	24	-21.600	-0.0083	-2.5 to 2.5	Pass
				-10	24	-25.378	-0.0097	-2.5 to 2.5	Pass
				0	24	-24.555	-0.0094	-2.5 to 2.5	Pass
				10	24	-25.183	-0.0096	-2.5 to 2.5	Pass
				30	24	-25.201	-0.0097	-2.5 to 2.5	Pass
				40	24	-34.937	-0.0134	-2.5 to 2.5	Pass
				50	24	-26.383	-0.0101	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

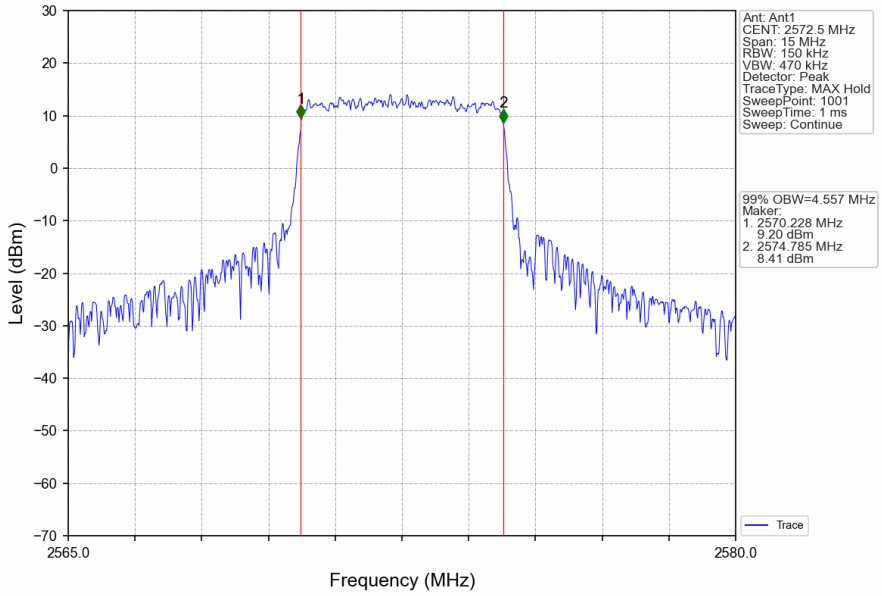
3.1 Band38_OBW

3.1.1 Test Result

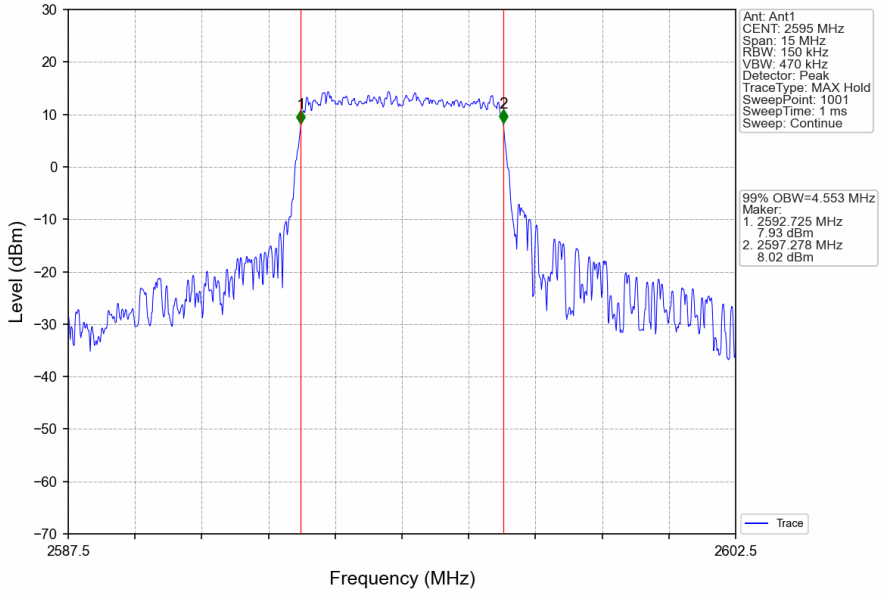
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	4.557	/	Pass
		2595	25	0	4.553	/	Pass
		2617.5	25	0	4.567	/	Pass
	16QAM	2572.5	25	0	4.538	/	Pass
		2595	25	0	4.551	/	Pass
		2617.5	25	0	4.582	/	Pass
10	QPSK	2575	50	0	9.097	/	Pass
		2595	50	0	9.063	/	Pass
		2615	50	0	9.083	/	Pass
	16QAM	2575	50	0	9.103	/	Pass
		2595	50	0	9.051	/	Pass
		2615	50	0	9.005	/	Pass
15	QPSK	2577.5	75	0	13.643	/	Pass
		2595	75	0	13.567	/	Pass
		2612.5	75	0	13.598	/	Pass
	16QAM	2577.5	75	0	13.639	/	Pass
		2595	75	0	13.682	/	Pass
		2612.5	75	0	13.572	/	Pass
20	QPSK	2580	100	0	18.143	/	Pass
		2595	100	0	18.079	/	Pass
		2610	100	0	18.093	/	Pass
	16QAM	2580	100	0	18.163	/	Pass
		2595	100	0	18.111	/	Pass
		2610	100	0	18.132	/	Pass

3.1.2 Test Graph

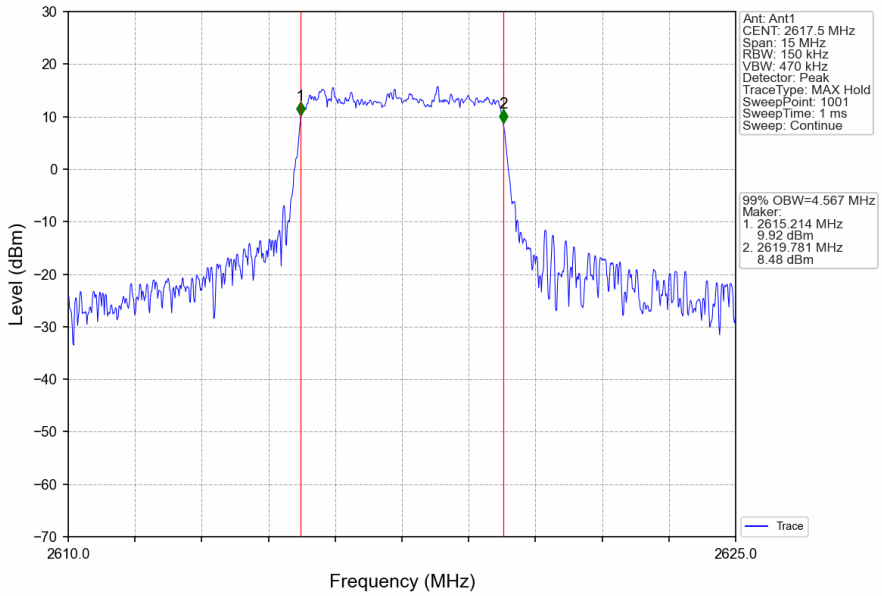
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



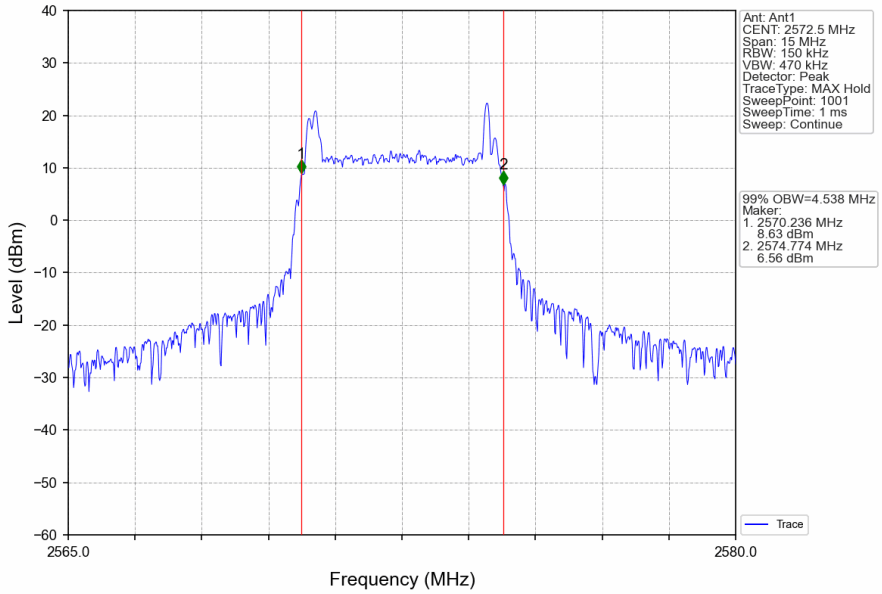
Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV



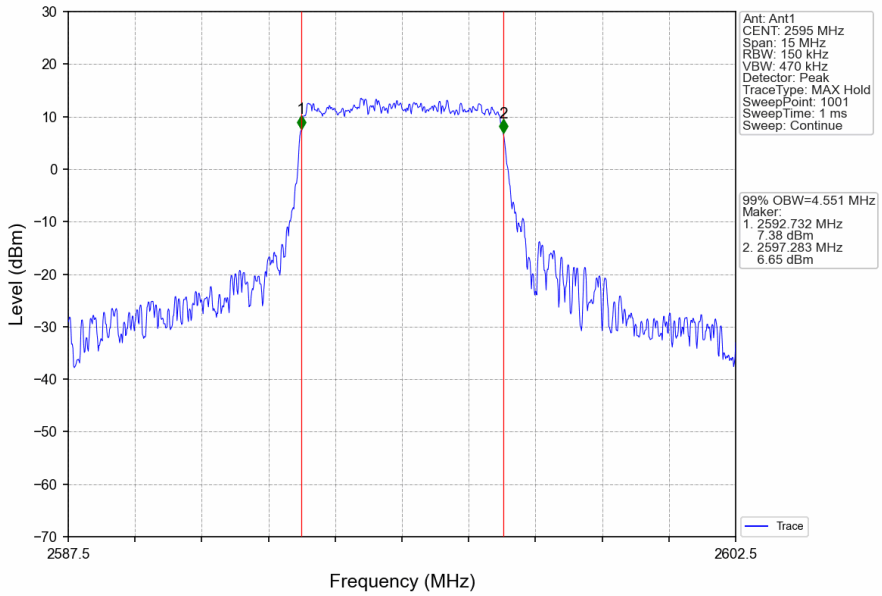
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



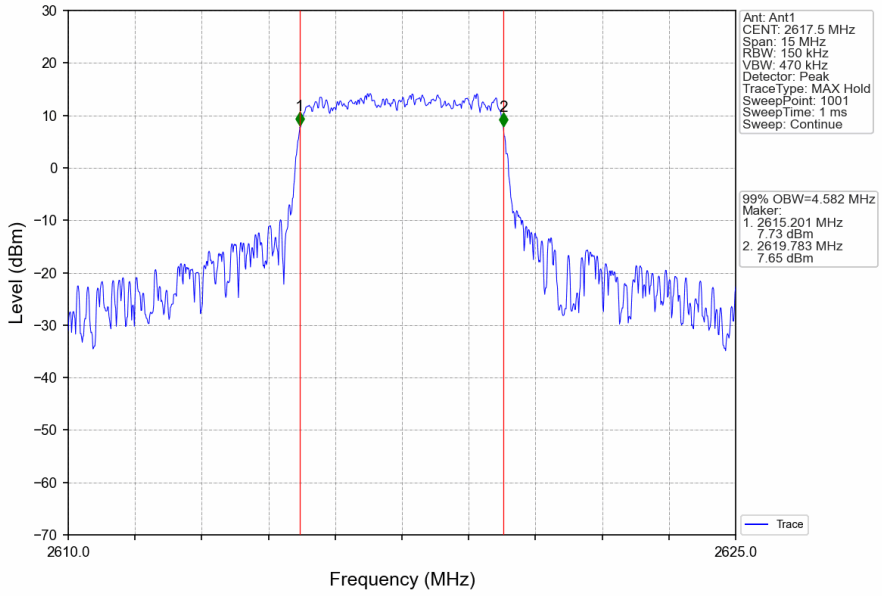
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



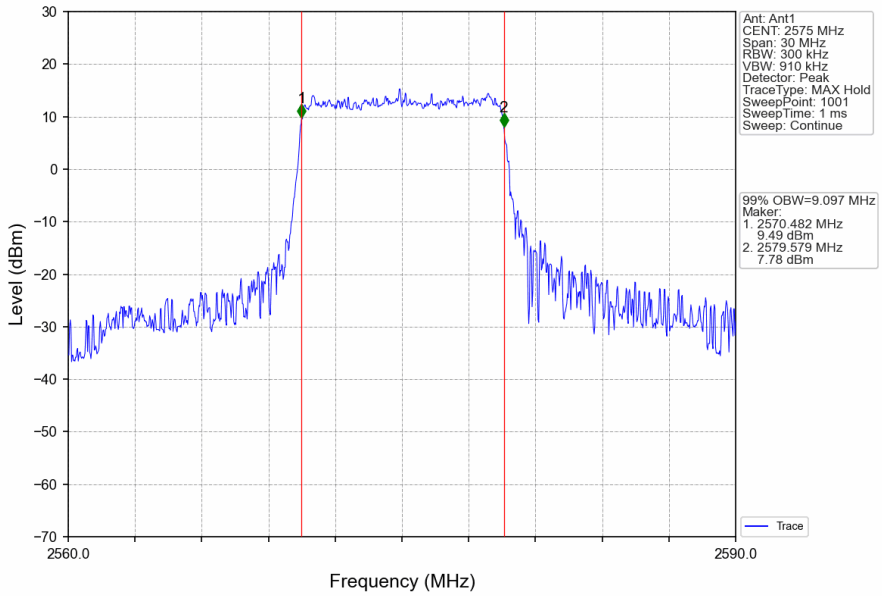
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



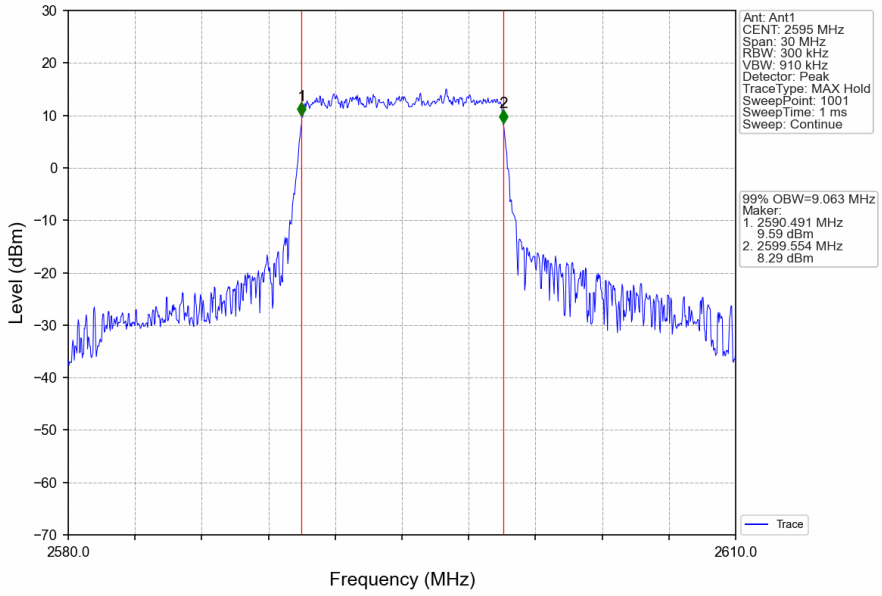
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



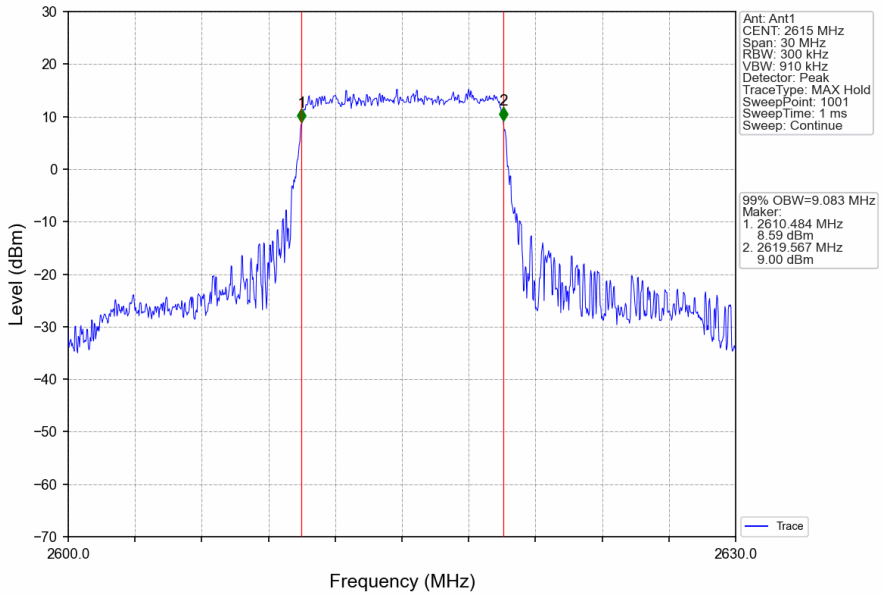
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



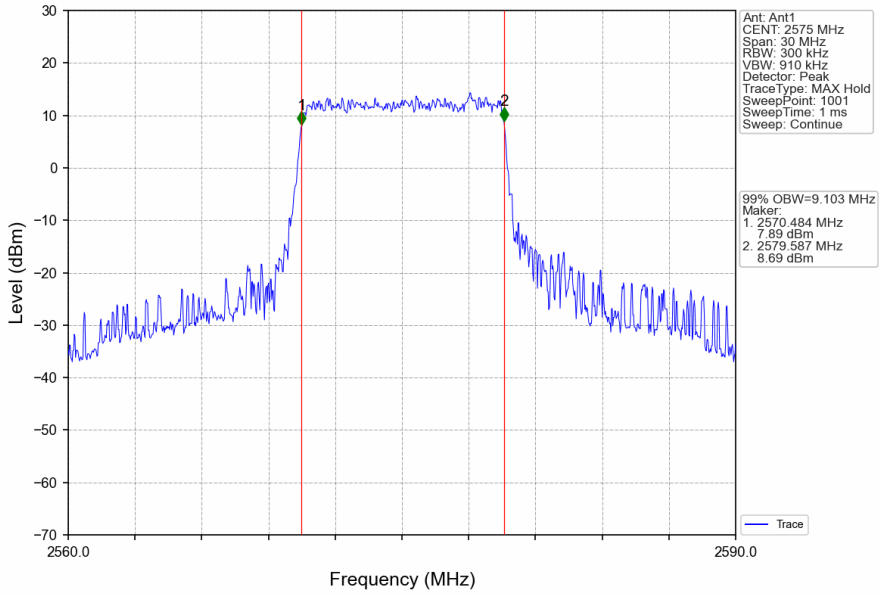
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



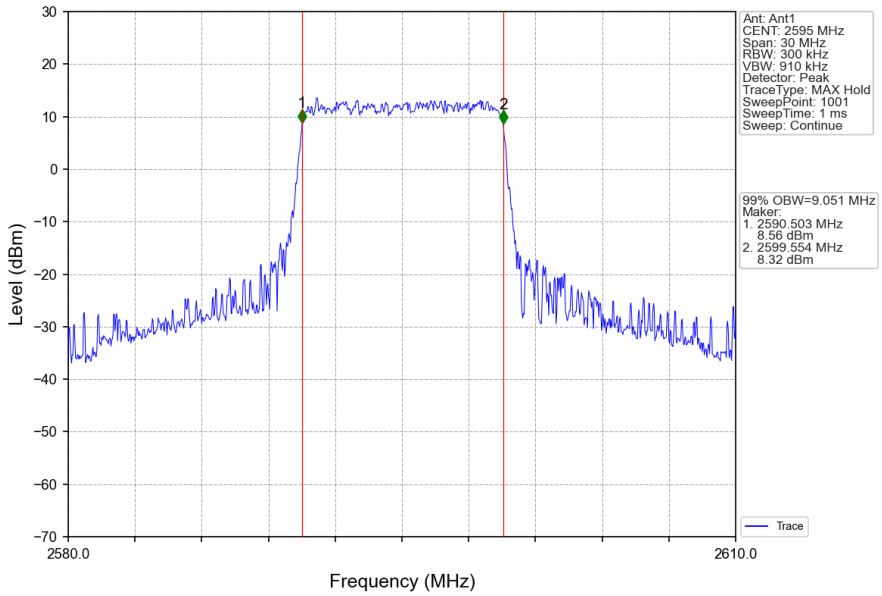
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



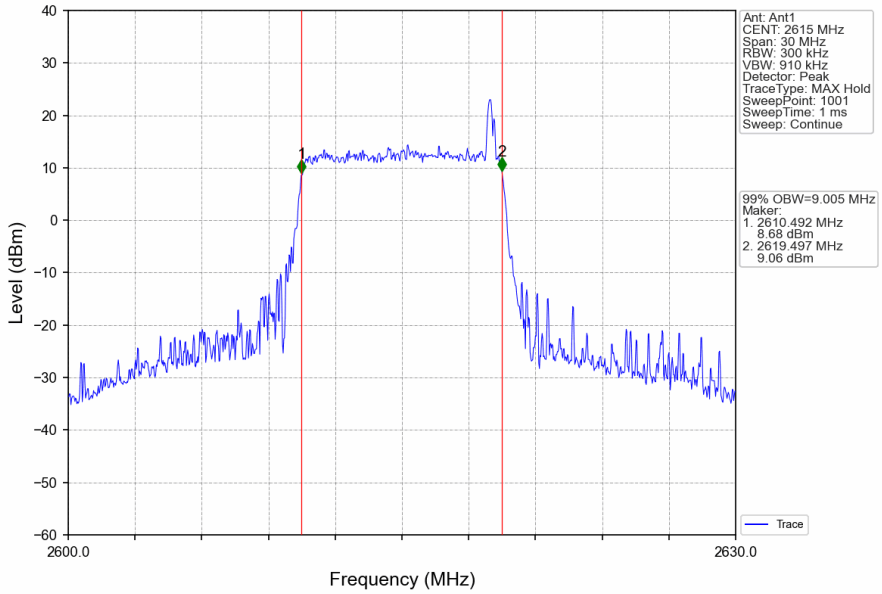
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



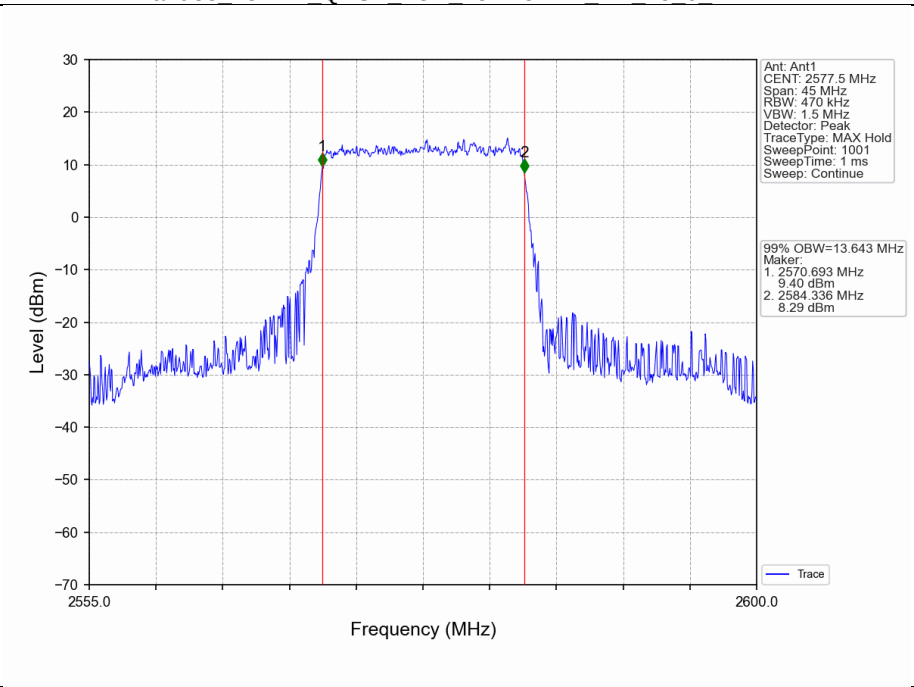
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



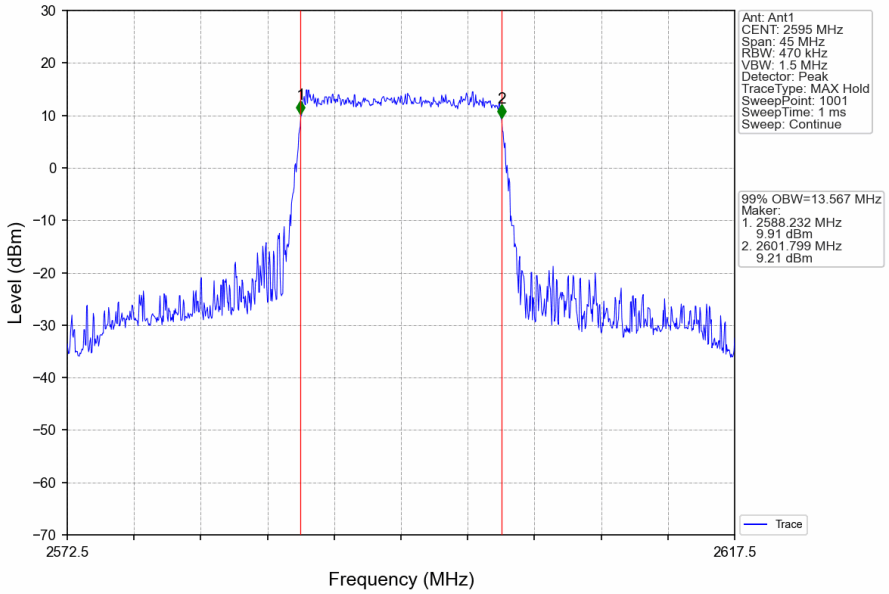
Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



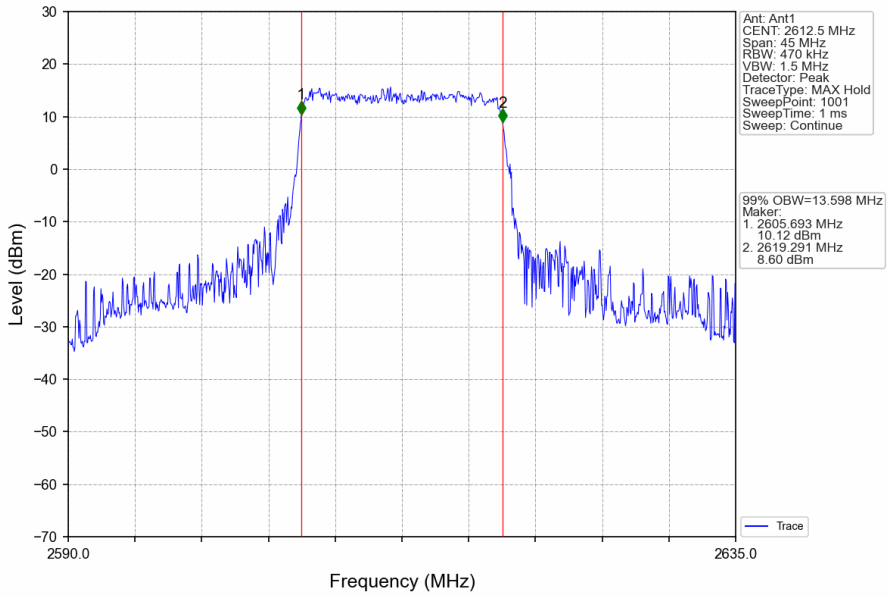
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



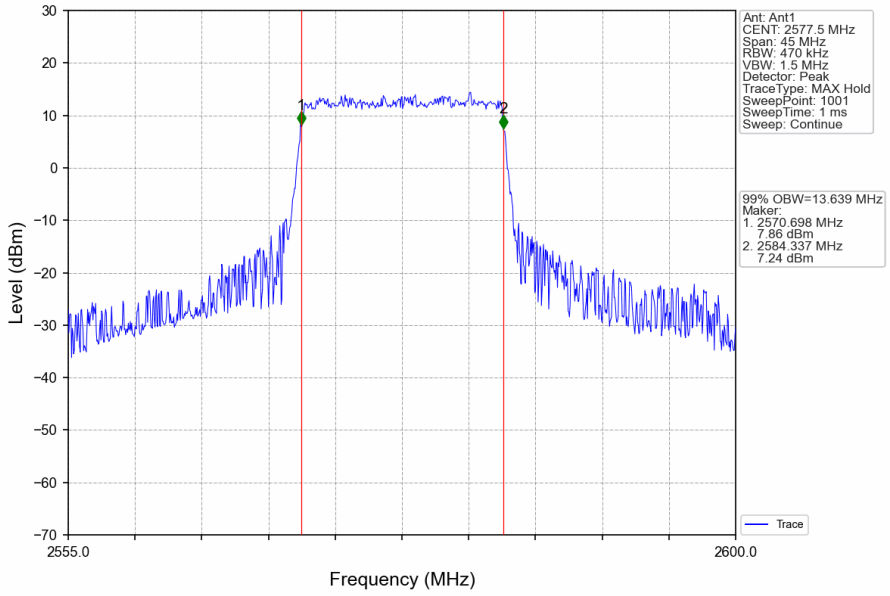
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



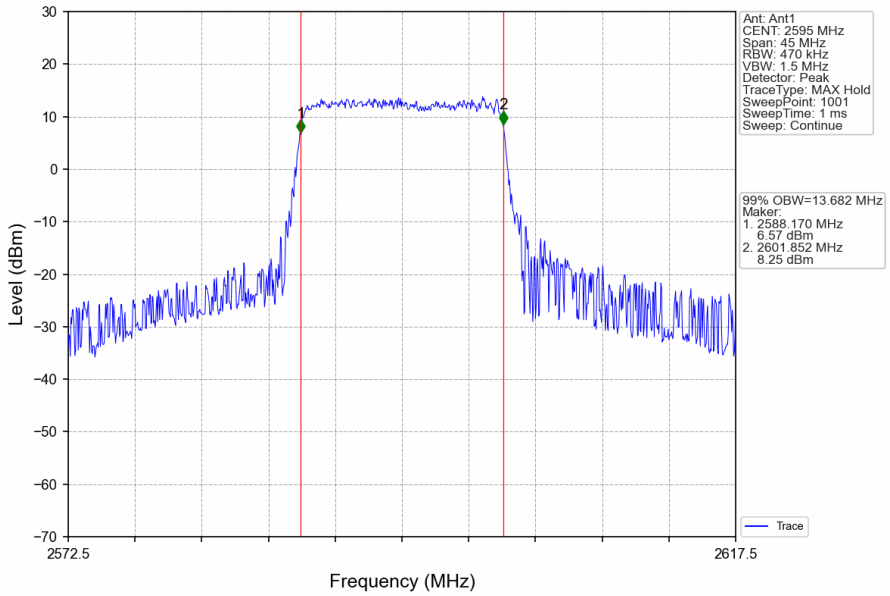
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



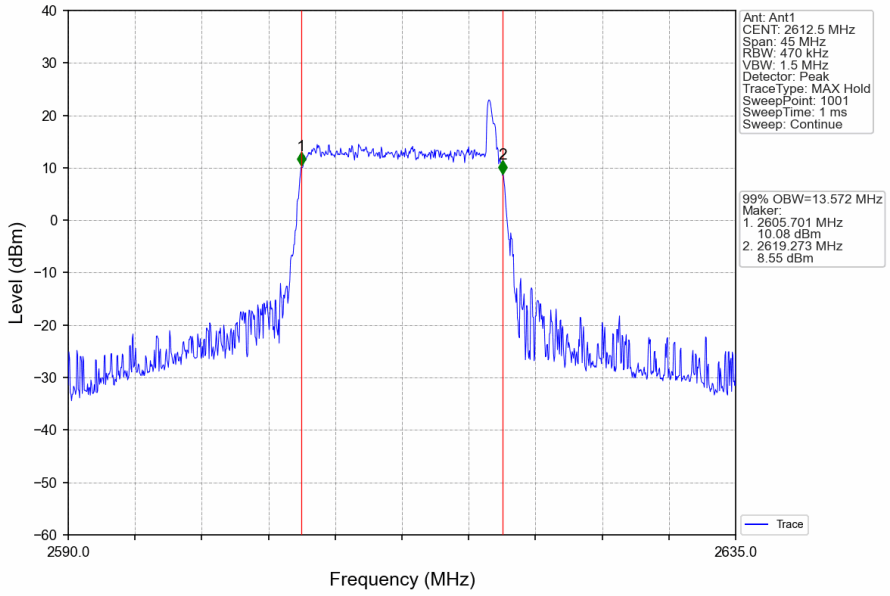
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



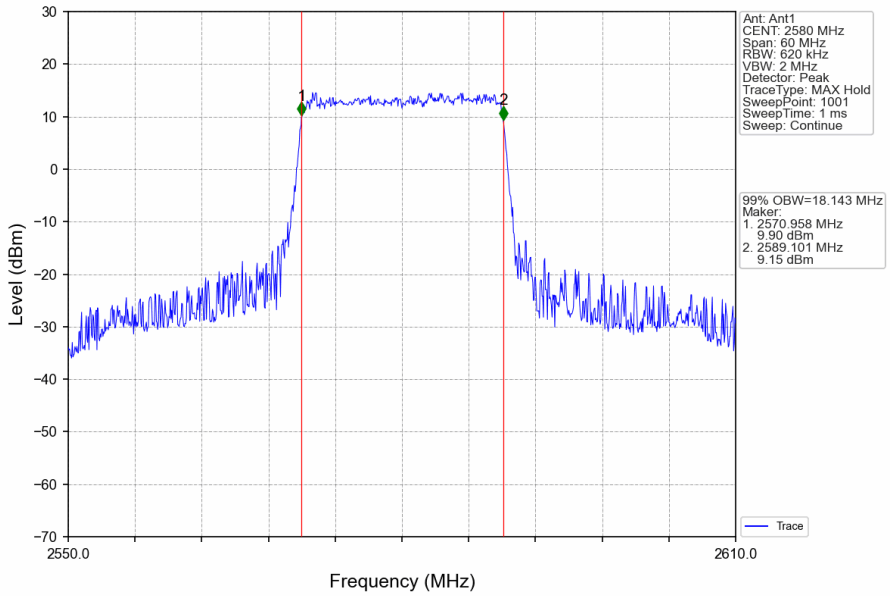
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



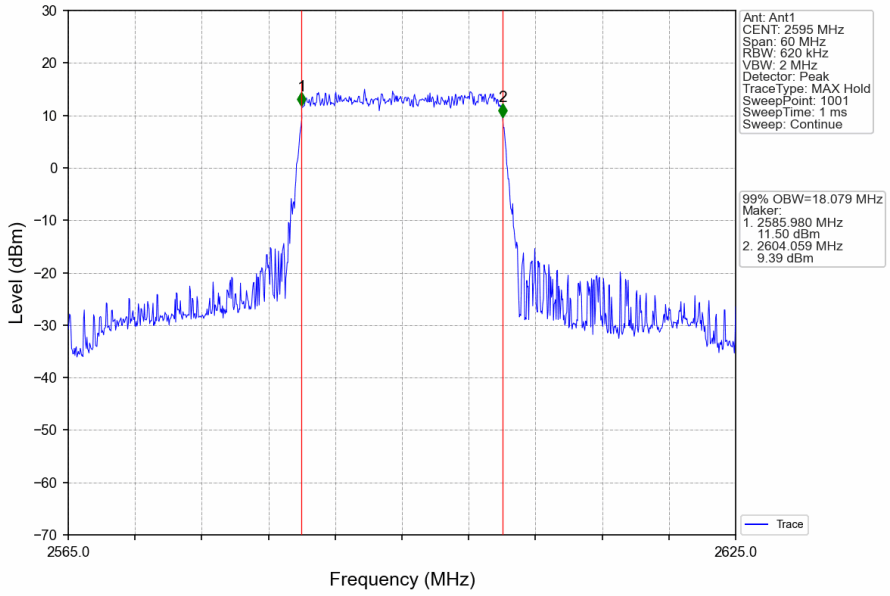
Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



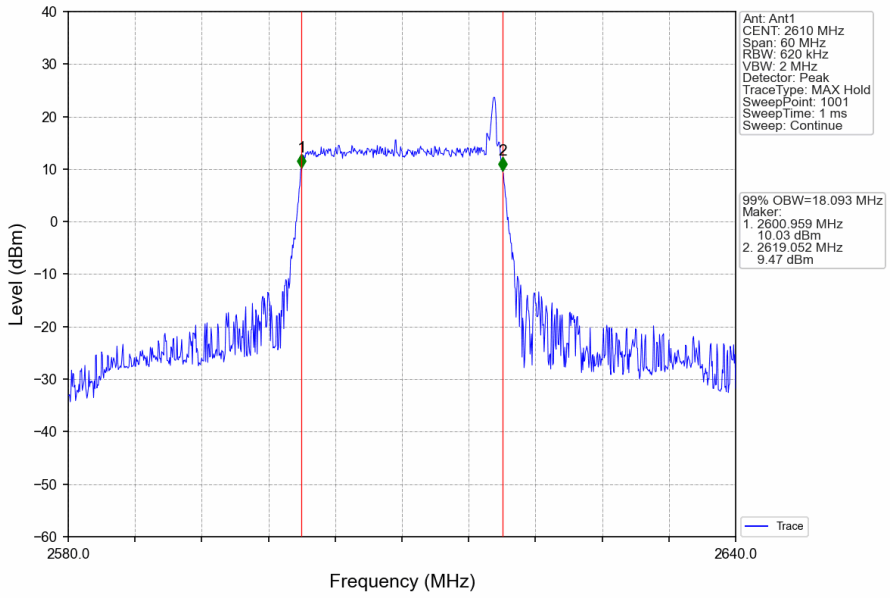
Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



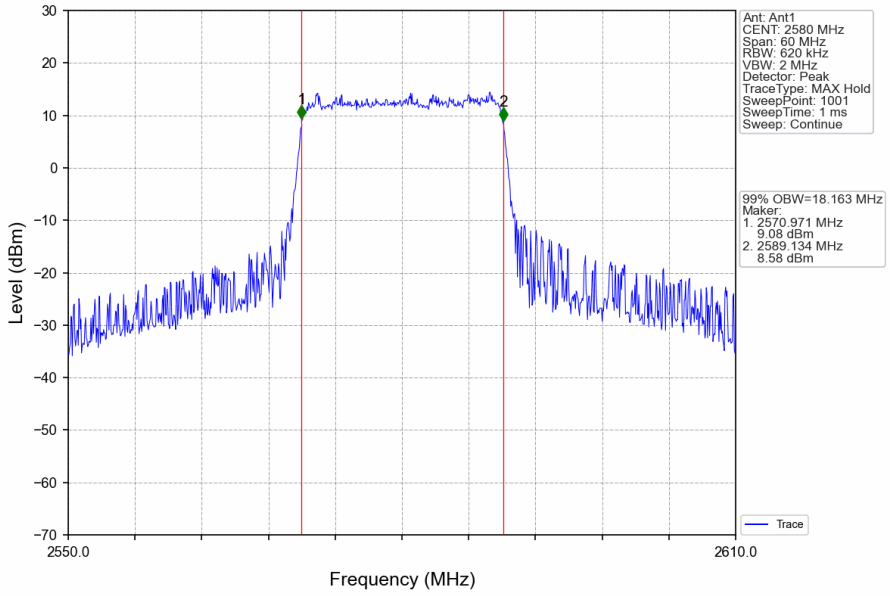
Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



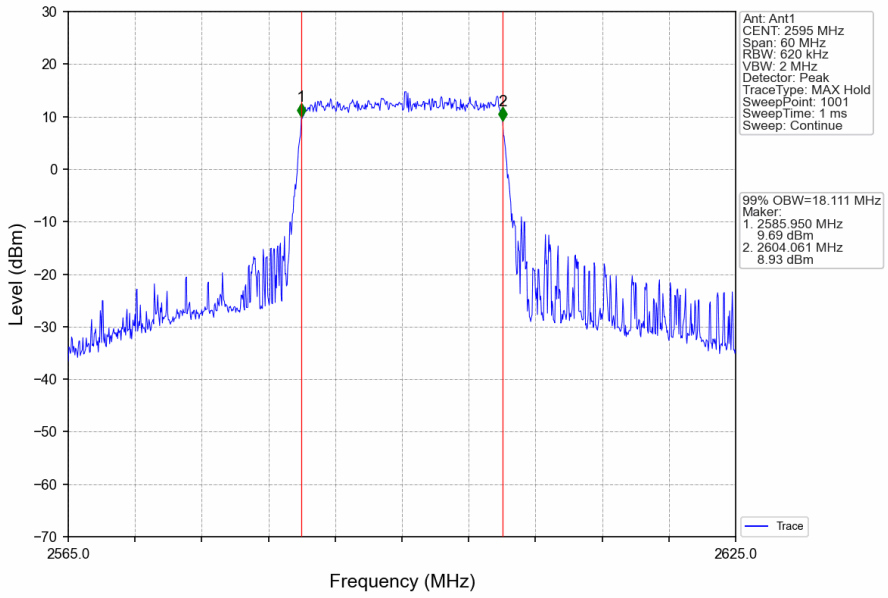
Band38_20MHz_QPSK_HCH_2610MHz_RB_100_0_NTNV



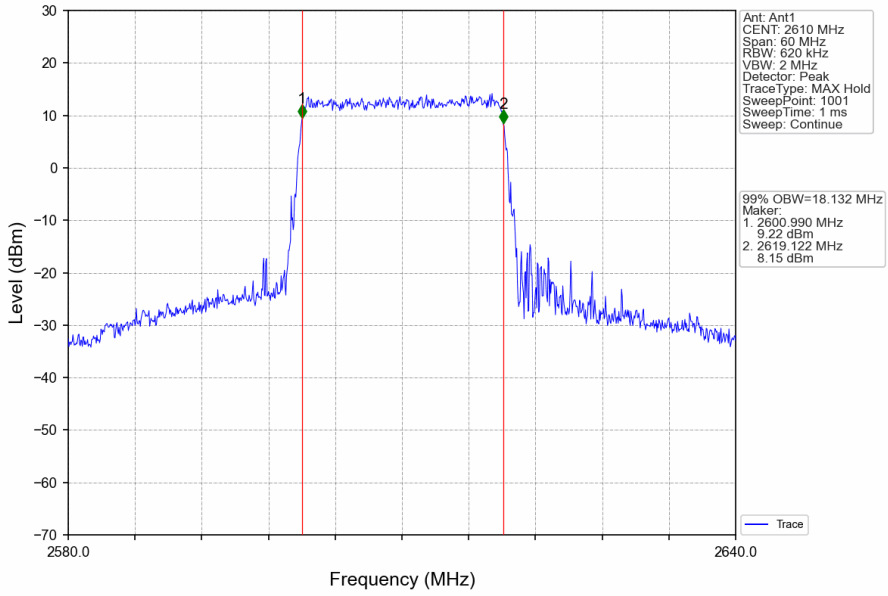
Band38_20MHz_16QAM_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



Band38_20MHz_16QAM_HCH_2610MHz_RB_100_0_NTNV



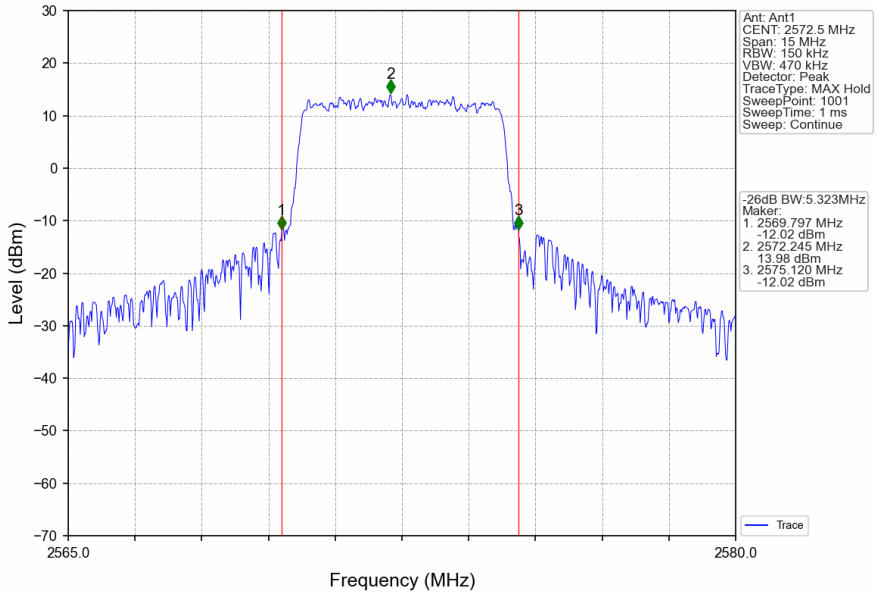
3.2 Band38_XDB

3.2.1 Test Result

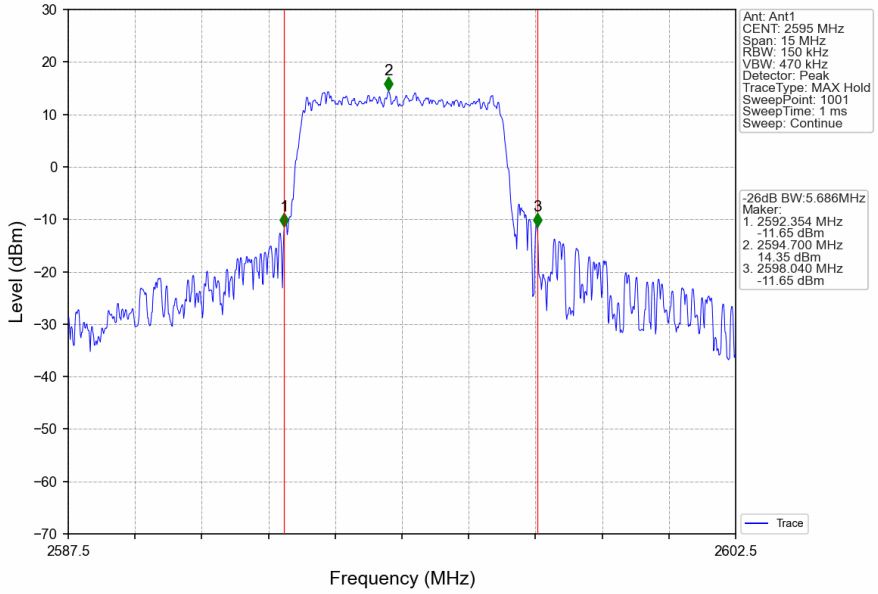
Band: 38 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2572.5	25	0	5.323	/	Pass
		2595	25	0	5.686	/	Pass
		2617.5	25	0	5.295	/	Pass
	16QAM	2572.5	25	0	4.887	/	Pass
		2595	25	0	5.357	/	Pass
		2617.5	25	0	5.860	/	Pass
10	QPSK	2575	50	0	10.367	/	Pass
		2595	50	0	10.192	/	Pass
		2615	50	0	10.752	/	Pass
	16QAM	2575	50	0	10.348	/	Pass
		2595	50	0	10.129	/	Pass
		2615	50	0	9.606	/	Pass
15	QPSK	2577.5	75	0	15.733	/	Pass
		2595	75	0	15.126	/	Pass
		2612.5	75	0	16.090	/	Pass
	16QAM	2577.5	75	0	16.133	/	Pass
		2595	75	0	16.244	/	Pass
		2612.5	75	0	14.584	/	Pass
20	QPSK	2580	100	0	20.305	/	Pass
		2595	100	0	20.228	/	Pass
		2610	100	0	19.309	/	Pass
	16QAM	2580	100	0	21.427	/	Pass
		2595	100	0	21.155	/	Pass
		2610	100	0	20.183	/	Pass

3.2.2 Test Graph

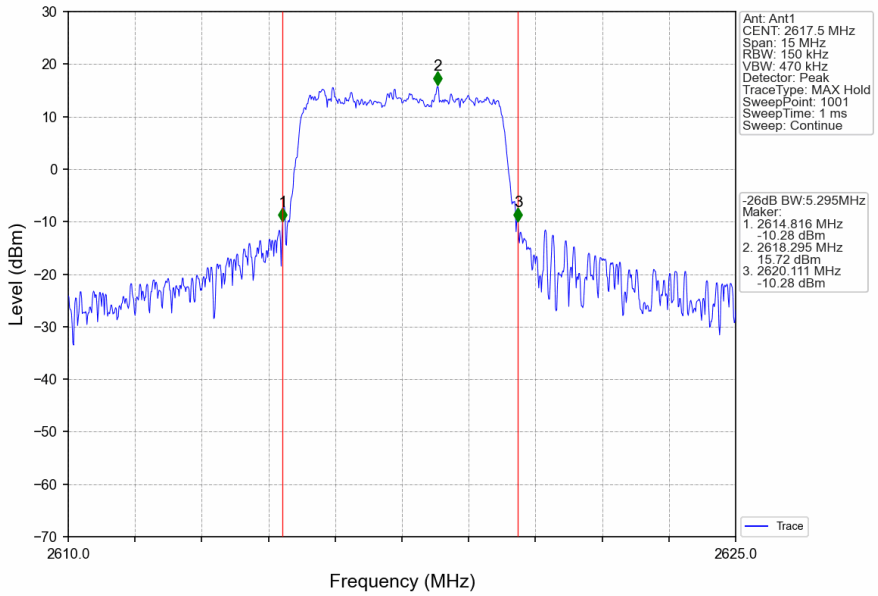
Band38_5MHz_QPSK_LCH_2572.5MHz_RB_25_0_NTNV



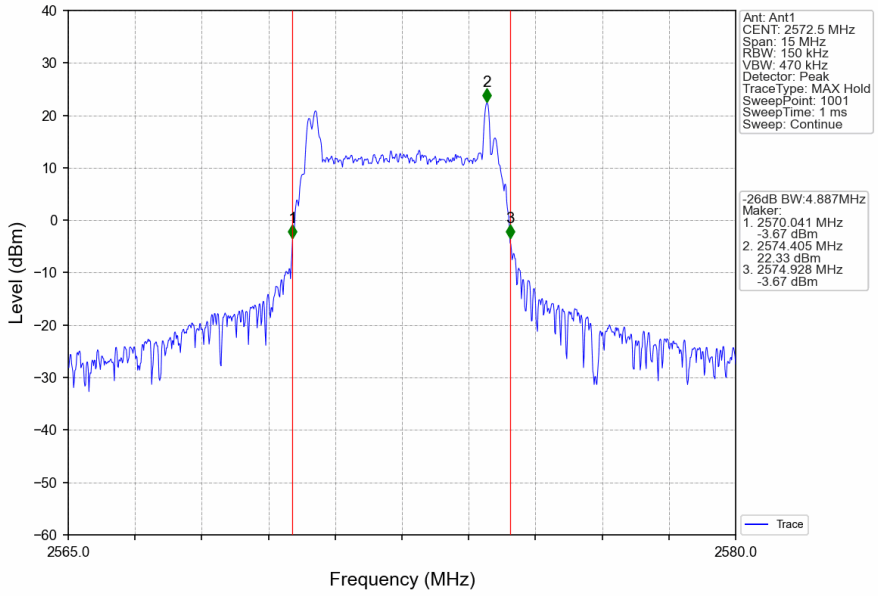
Band38_5MHz_QPSK_MCH_2595MHz_RB_25_0_NTNV



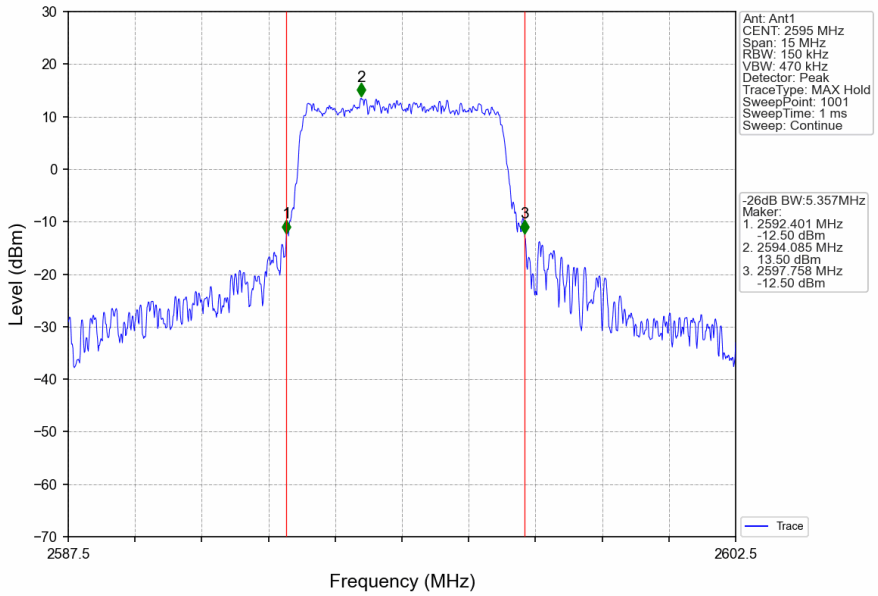
Band38_5MHz_QPSK_HCH_2617.5MHz_RB_25_0_NTNV



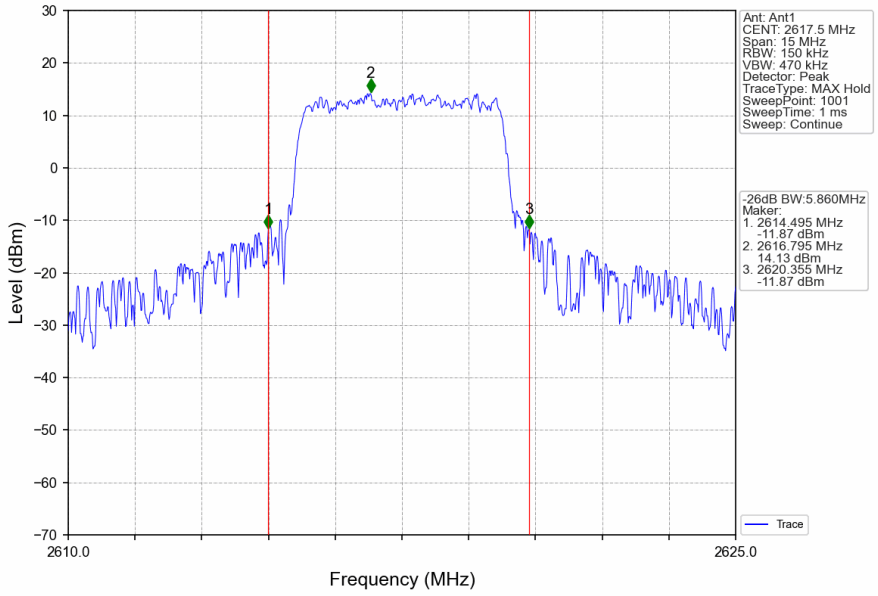
Band38_5MHz_16QAM_LCH_2572.5MHz_RB_25_0_NTNV



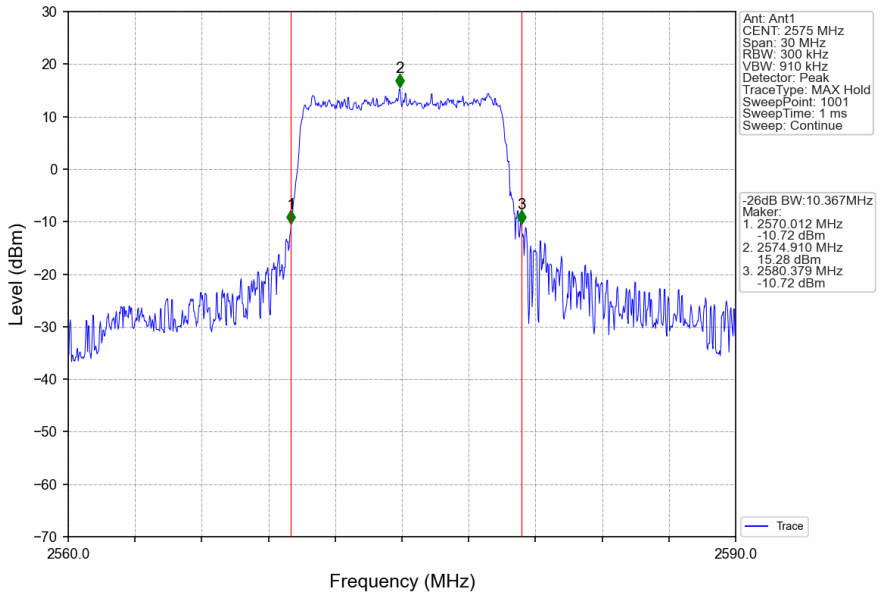
Band38_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



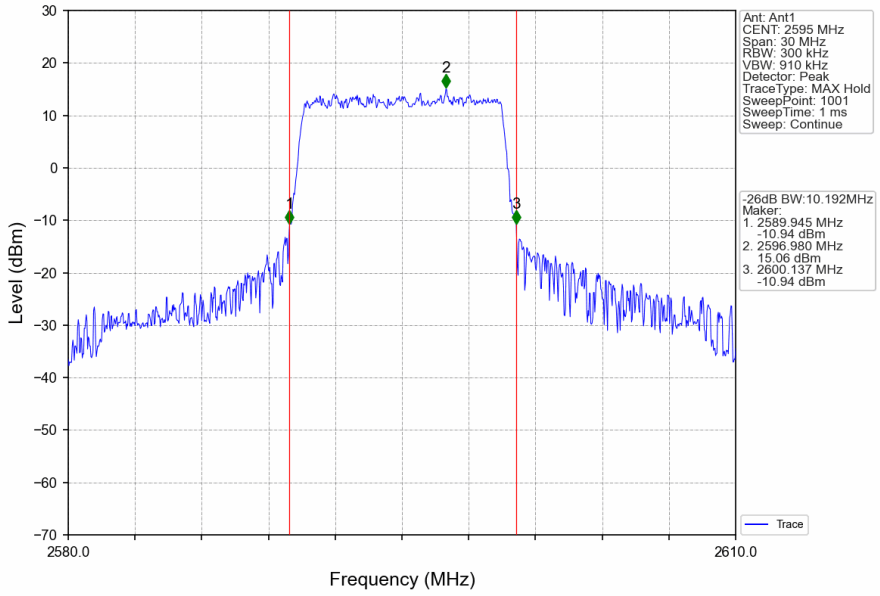
Band38_5MHz_16QAM_HCH_2617.5MHz_RB_25_0_NTNV



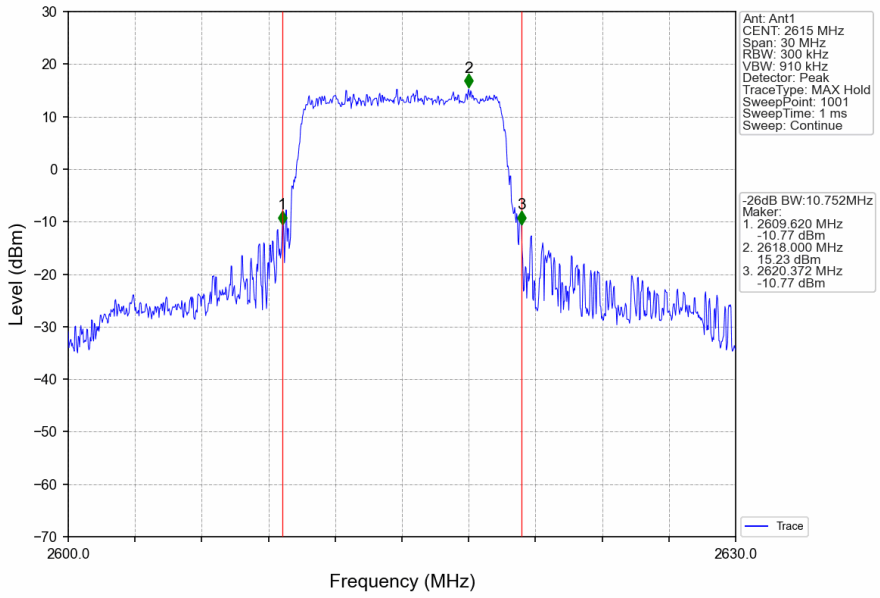
Band38_10MHz_QPSK_LCH_2575MHz_RB_50_0_NTNV



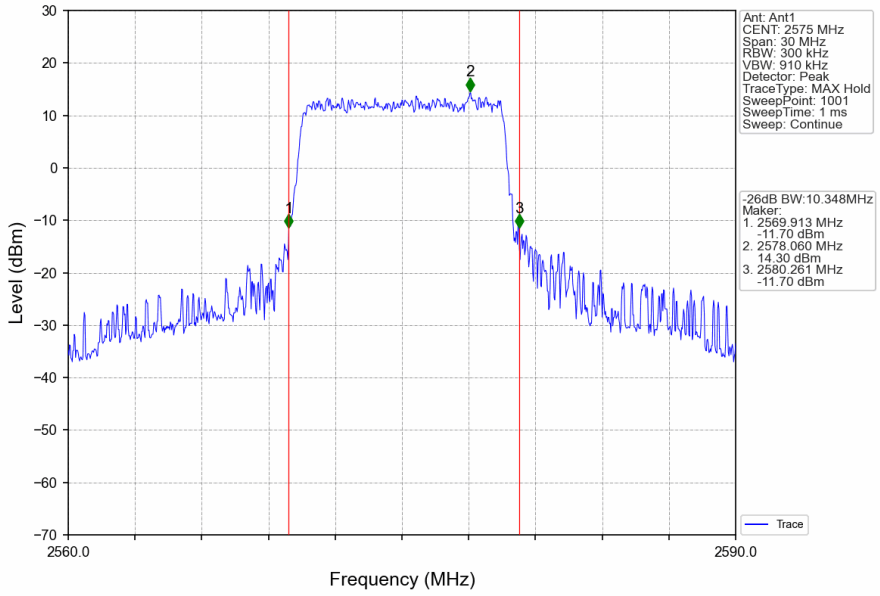
Band38_10MHz_QPSK_MCH_2595MHz_RB_50_0_NTNV



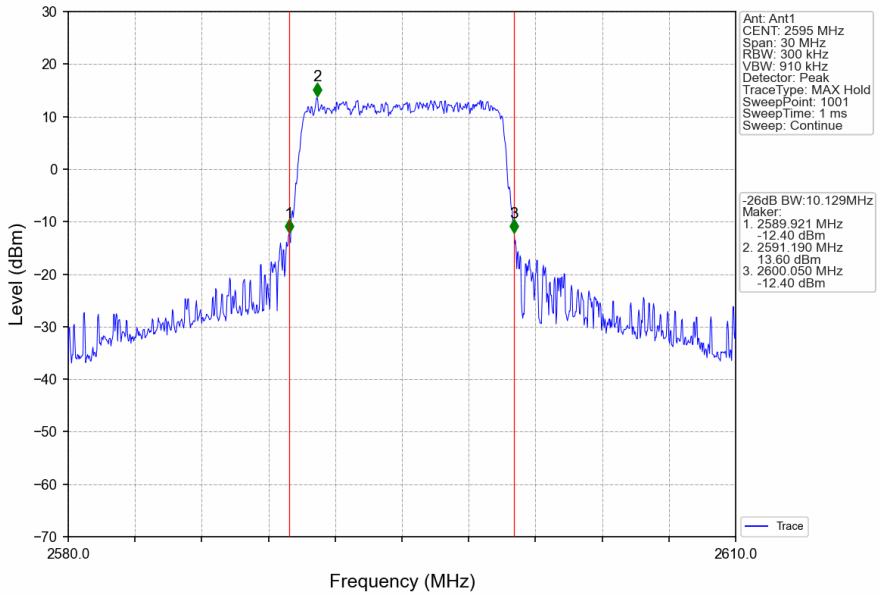
Band38_10MHz_QPSK_HCH_2615MHz_RB_50_0_NTNV



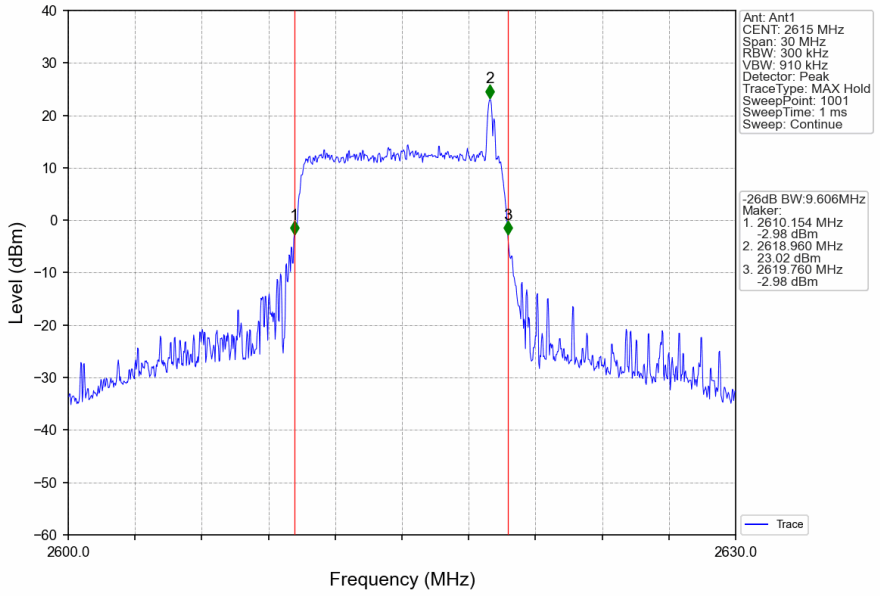
Band38_10MHz_16QAM_LCH_2575MHz_RB_50_0_NTNV



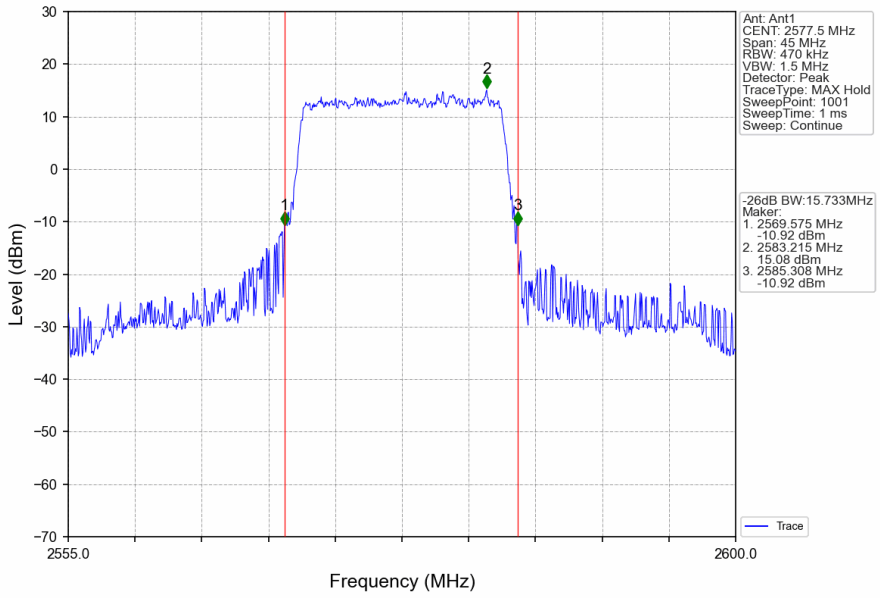
Band38_10MHz_16QAM_MCH_2595MHz_RB_50_0_NTNV



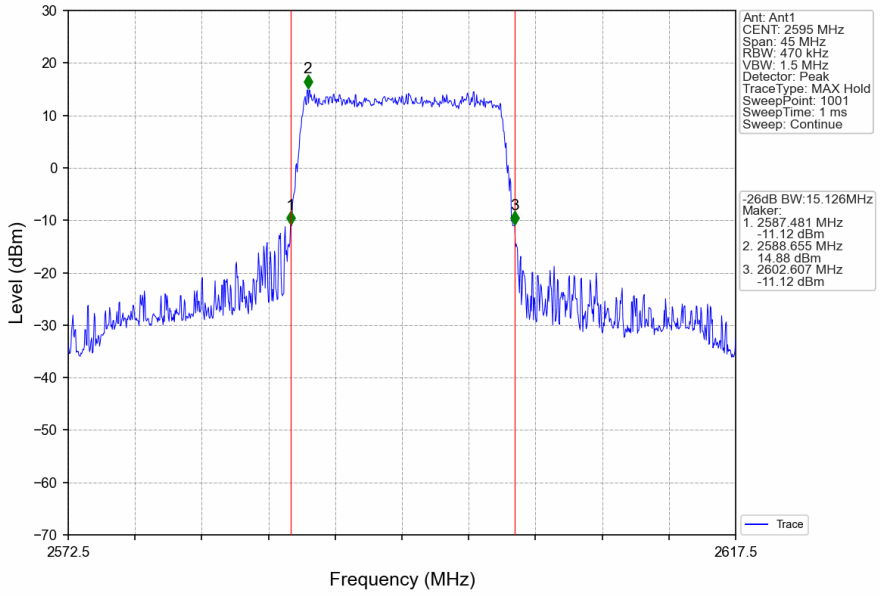
Band38_10MHz_16QAM_HCH_2615MHz_RB_50_0_NTNV



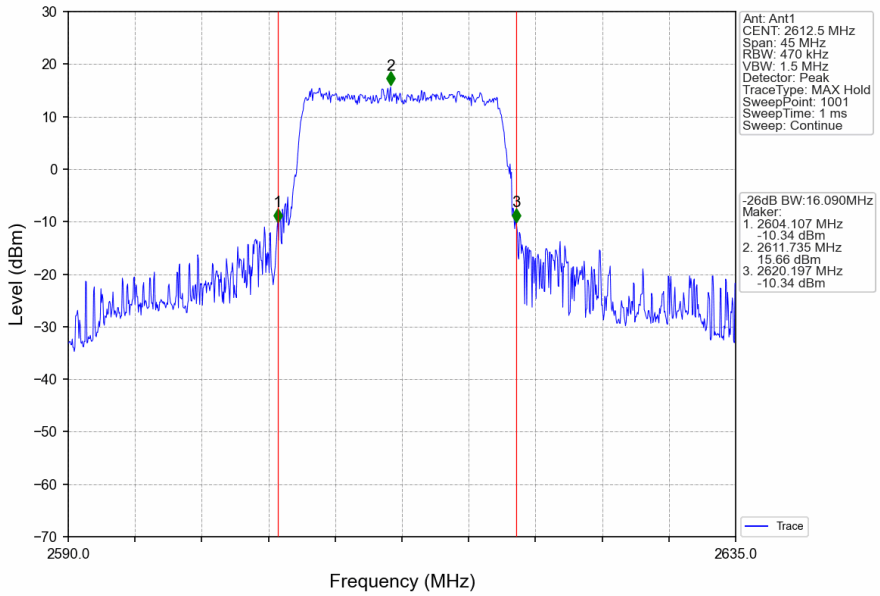
Band38_15MHz_QPSK_LCH_2577.5MHz_RB_75_0_NTNV



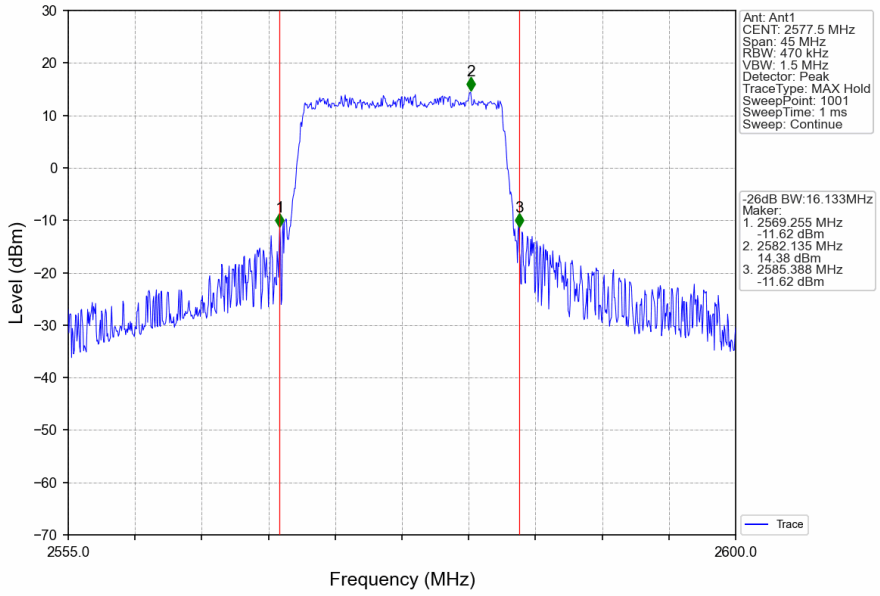
Band38_15MHz_QPSK_MCH_2595MHz_RB_75_0_NTNV



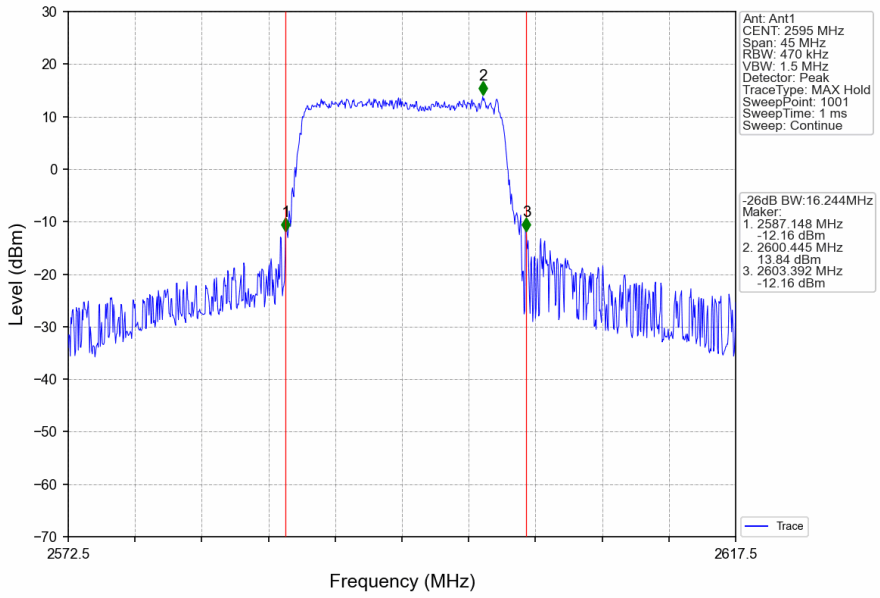
Band38_15MHz_QPSK_HCH_2612.5MHz_RB_75_0_NTNV



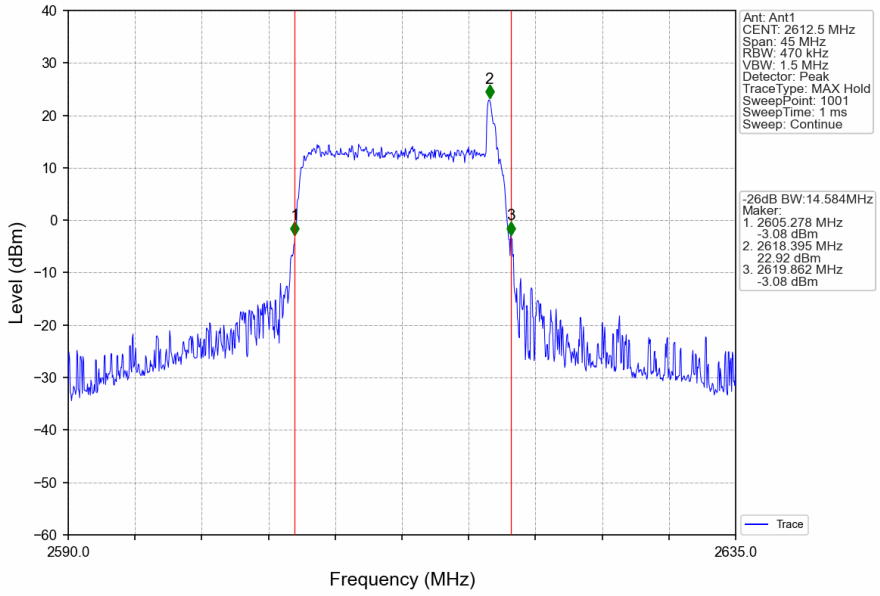
Band38_15MHz_16QAM_LCH_2577.5MHz_RB_75_0_NTNV



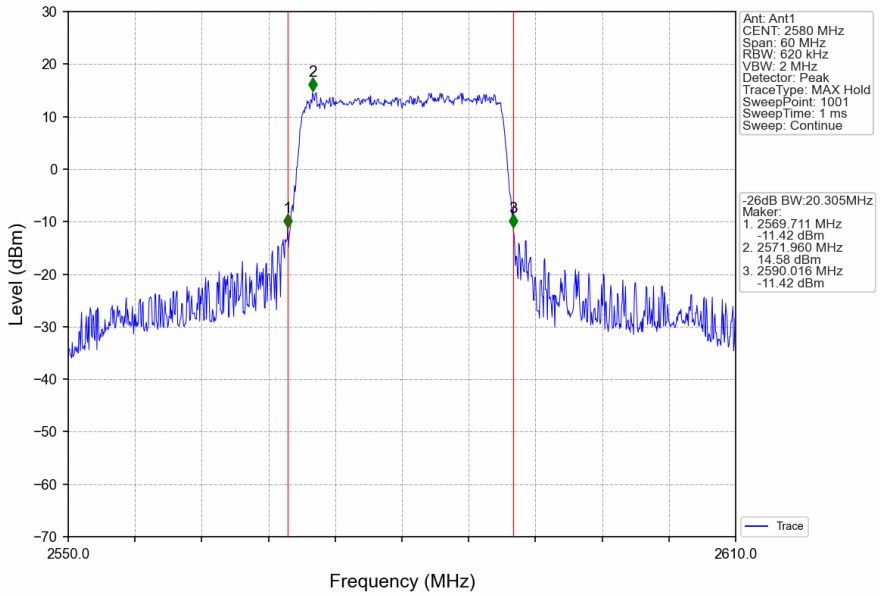
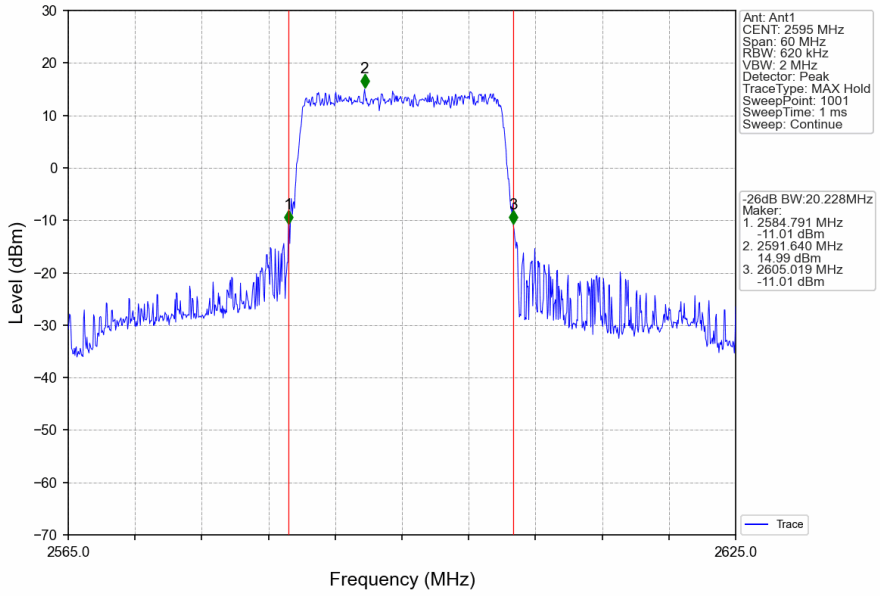
Band38_15MHz_16QAM_MCH_2595MHz_RB_75_0_NTNV



Band38_15MHz_16QAM_HCH_2612.5MHz_RB_75_0_NTNV



Band38_20MHz_QPSK_LCH_2580MHz_RB_100_0_NTNV



Band38_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV