1. Effective (Isotropic) Radiated Power Output Data

1.1 B48_5MHz_EIRP

1.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3552.5	1	0	24.08	-6.12	17.96	/	Pass
			13	23.94	-6.12	17.82	/	Pass
			24	23.78	-6.12	17.66	/	Pass
		12	0	23.05	-6.12	16.93	/	Pass
			6	23.24	-6.12	17.12	/	Pass
			13	23.17	-6.12	17.05	/	Pass
		25	0	22.98	-6.12	16.86	/	Pass
	3625	1	0	23.54	-6.12	17.42	/	Pass
			13	23.7	-6.12	17.58	/	Pass
			24	23.59	-6.12	17.47	/	Pass
		12	0	22.58	-6.12	16.46	/	Pass
			6	22.73	-6.12	16.61	/	Pass
			13	22.64	-6.12	16.52	/	Pass
		25	0	22.57	-6.12	16.45	/	Pass
	3697.5	1	0	23.09	-6.12	16.97	/	Pass
			13	23.11	-6.12	16.99	/	Pass
			24	23.14	-6.12	17.02	/	Pass
		12	0	22.12	-6.12	16	/	Pass
			6	22.38	-6.12	16.26	/	Pass
			13	22.09	-6.12	15.97	/	Pass
		25	0	22.2	-6.12	16.08	/	Pass
16QAM	3552.5	1	0	23.46	-6.12	17.34	/	Pass
			13	23.31	-6.12	17.19	/	Pass
			24	23.01	-6.12	16.89	/	Pass
		12	0	22.14	-6.12	16.02	/	Pass
			6	22.13	-6.12	16.01	/	Pass
			13	22.11	-6.12	15.99	/	Pass
		25	0	22.03	-6.12	15.91	/	Pass
	3625	1	0	22.74	-6.12	16.62	/	Pass
			13	22.77	-6.12	16.65	/	Pass
			24	22.94	-6.12	16.82	/	Pass
		12	0	24.06	-6.12	17.94	/	Pass

			6	21.74	-6.12	15.62	/	Pass
			13	21.89	-6.12	15.77	/	Pass
		25	0	24.04	-6.12	17.92	/	Pass
	3697.5	1	0	22.35	-6.12	16.23	/	Pass
			13	22.66	-6.12	16.54	/	Pass
			24	22.22	-6.12	16.1	/	Pass
		12	0	23.53	-6.12	17.41	/	Pass
			6	23.54	-6.12	17.42	/	Pass
			13	23.55	-6.12	17.43	/	Pass
		25	0	23.72	-6.12	17.6	/	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B48_5MHz_EIRP/10MHz

1.2.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3552.5	1	0	22.31	-6.12	16.19	<=23	Pass
			13	22.14	-6.12	16.02	<=23	Pass
			24	21.81	-6.12	15.69	<=23	Pass
		12	0	23.54	-6.12	17.42	<=23	Pass
			6	23.98	-6.12	17.86	<=23	Pass
			13	23.24	-6.12	17.12	<=23	Pass
		25	0	22.72	-6.12	16.6	<=23	Pass
	3625	1	0	23.97	-6.12	17.85	<=23	Pass
			13	21.71	-6.12	15.59	<=23	Pass
			24	22.46	-6.12	16.34	<=23	Pass
		12	0	23.13	-6.12	17.01	<=23	Pass
			6	23.16	-6.12	17.04	<=23	Pass
			13	23.18	-6.12	17.06	<=23	Pass
		25	0	23.6	-6.12	17.48	<=23	Pass
	3697.5	1	0	22.76	-6.12	16.64	<=23	Pass
			13	23.47	-6.12	17.35	<=23	Pass
			24	23.76	-6.12	17.64	<=23	Pass
		12	0	22.52	-6.12	16.4	<=23	Pass
			6	22.67	-6.12	16.55	<=23	Pass
			13	22.15	-6.12	16.03	<=23	Pass

		25	0	22.72	-6.12	16.6	<=23	Pass
16QAM	3552.5	1	0	22.94	-6.12	16.82	<=23	Pass
			13	22.12	-6.12	16	<=23	Pass
			24	23.11	-6.12	16.99	<=23	Pass
		12	0	23.06	-6.12	16.94	<=23	Pass
			6	22.31	-6.12	16.19	<=23	Pass
			13	22.46	-6.12	16.34	<=23	Pass
		25	0	22.29	-6.12	16.17	<=23	Pass
	3625	1	0	22.91	-6.12	16.79	<=23	Pass
			13	22.93	-6.12	16.81	<=23	Pass
			24	23.59	-6.12	17.47	<=23	Pass
		12	0	22.17	-6.12	16.05	<=23	Pass
			6	22.44	-6.12	16.32	<=23	Pass
			13	22.23	-6.12	16.11	<=23	Pass
		25	0	23.17	-6.12	17.05	<=23	Pass
	3697.5	1	0	22.63	-6.12	16.51	<=23	Pass
			13	22.72	-6.12	16.6	<=23	Pass
			24	22.68	-6.12	16.56	<=23	Pass
		12	0	20.96	-6.12	14.84	<=23	Pass
			6	21.17	-6.12	15.05	<=23	Pass
			13	21.96	-6.12	15.84	<=23	Pass
		25	0	21.74	-6.12	15.62	<=23	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15								

1.3 B48_10MHz_EIRP

1.3.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3555	1	0	23.84	-6.12	17.72	/	Pass
			25	24	-6.12	17.88	/	Pass
			49	24.09	-6.12	17.97	/	Pass
		25	0	23.35	-6.12	17.23	/	Pass
			13	23.54	-6.12	17.42	/	Pass
			25	23.28	-6.12	17.16	/	Pass
		50	0	23.45	-6.12	17.33	/	Pass
	3625	1	0	23.53	-6.12	17.41	/	Pass
			25	23.74	-6.12	17.62	/	Pass

			49	23.38	-6.12	17.26	/	Pass
		25	0	22.62	-6.12	16.5	/	Pass
			13	22.51	-6.12	16.39	/	Pass
			25	22.41	-6.12	16.29	/	Pass
		50	0	22.59	-6.12	16.47	/	Pass
	3695	1	0	22.78	-6.12	16.66	/	Pass
			25	22.92	-6.12	16.8	/	Pass
			49	22.99	-6.12	16.87	/	Pass
		25	0	21.94	-6.12	15.82	/	Pass
			13	21.86	-6.12	15.74	/	Pass
			25	22.15	-6.12	16.03	/	Pass
		50	0	21.89	-6.12	15.77	/	Pass
16QAM	3555	1	0	23.19	-6.12	17.07	/	Pass
			25	23.5	-6.12	17.38	/	Pass
			49	23.64	-6.12	17.52	/	Pass
		25	0	22.5	-6.12	16.38	/	Pass
			13	22.46	-6.12	16.34	/	Pass
			25	22.11	-6.12	15.99	/	Pass
		50	0	21.94	-6.12	15.82	/	Pass
	3625	1	0	22.66	-6.12	16.54	/	Pass
			25	22.57	-6.12	16.45	/	Pass
			49	22.62	-6.12	16.5	/	Pass
		25	0	24.25	-6.12	18.13	/	Pass
			13	21.91	-6.12	15.79	/	Pass
			25	24.11	-6.12	17.99	/	Pass
		50	0	21.74	-6.12	15.62	/	Pass
	3695	1	0	22.34	-6.12	16.22	/	Pass
			25	22.56	-6.12	16.44	/	Pass
			49	22.38	-6.12	16.26	/	Pass
		25	0	23.68	-6.12	17.56	/	Pass
			13	23.73	-6.12	17.61	/	Pass
			25	23.53	-6.12	17.41	/	Pass
		50	0	23.52	-6.12	17.4	/	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B48_10MHz_EIRP/10MHz

1.4.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3555	1	0	23.87	-6.12	17.75	<=23	Pass
			25	21.76	-6.12	15.64	<=23	Pass
			49	21.66	-6.12	15.54	<=23	Pass
		25	0	23.48	-6.12	17.36	<=23	Pass
			13	23.68	-6.12	17.56	<=23	Pass
			25	23.3	-6.12	17.18	<=23	Pass
		50	0	23.49	-6.12	17.37	<=23	Pass
	3625	1	0	24.17	-6.12	18.05	<=23	Pass
			25	21.95	-6.12	15.83	<=23	Pass
			49	21.91	-6.12	15.79	<=23	Pass
		25	0	22.99	-6.12	16.87	<=23	Pass
			13	23.36	-6.12	17.24	<=23	Pass
			25	23.33	-6.12	17.21	<=23	Pass
		50	0	23.4	-6.12	17.28	<=23	Pass
	3695	1	0	23.18	-6.12	17.06	<=23	Pass
			25	23.48	-6.12	17.36	<=23	Pass
			49	23	-6.12	16.88	<=23	Pass
		25	0	22.44	-6.12	16.32	<=23	Pass
			13	21.77	-6.12	15.65	<=23	Pass
			25	22.64	-6.12	16.52	<=23	Pass
		50	0	22.44	-6.12	16.32	<=23	Pass
16QAM	3555	1	0	23.72	-6.12	17.6	<=23	Pass
			25	24.06	-6.12	17.94	<=23	Pass
			49	23.62	-6.12	17.5	<=23	Pass
		25	0	22.75	-6.12	16.63	<=23	Pass
			13	21.69	-6.12	15.57	<=23	Pass
			25	21.77	-6.12	15.65	<=23	Pass
		50	0	22.06	-6.12	15.94	<=23	Pass
	3625	1	0	22.97	-6.12	16.85	<=23	Pass
			25	23.13	-6.12	17.01	<=23	Pass
			49	23.45	-6.12	17.33	<=23	Pass
		25	0	22.28	-6.12	16.16	<=23	Pass
			13	22	-6.12	15.88	<=23	Pass

			25	22.61	-6.12	16.49	<=23	Pass
		50	0	21.73	-6.12	15.61	<=23	Pass
	3695	1	0	22.74	-6.12	16.62	<=23	Pass
			25	22.21	-6.12	16.09	<=23	Pass
			49	22.57	-6.12	16.45	<=23	Pass
		25	0	21.25	-6.12	15.13	<=23	Pass
			13	21.75	-6.12	15.63	<=23	Pass
			25	21.2	-6.12	15.08	<=23	Pass
		50	0	21.87	-6.12	15.75	<=23	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15								

1.5 B48_15MHz_EIRP

1.5.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3557.5	1	0	22.83	-6.12	16.71	/	Pass
			38	22.84	-6.12	16.72	/	Pass
			74	22.58	-6.12	16.46	/	Pass
		36	0	21.85	-6.12	15.73	/	Pass
			18	21.85	-6.12	15.73	/	Pass
			39	21.98	-6.12	15.86	/	Pass
		75	0	21.81	-6.12	15.69	/	Pass
	3625	1	0	22.52	-6.12	16.4	/	Pass
			38	22.3	-6.12	16.18	/	Pass
			74	22.16	-6.12	16.04	/	Pass
		36	0	23.74	-6.12	17.62	/	Pass
			18	23.67	-6.12	17.55	/	Pass
			39	23.7	-6.12	17.58	/	Pass
		75	0	23.72	-6.12	17.6	/	Pass
	3692.5	1	0	24.02	-6.12	17.9	/	Pass
			38	24.2	-6.12	18.08	/	Pass
			74	23.95	-6.12	17.83	/	Pass
		36	0	23.18	-6.12	17.06	/	Pass
			18	23.01	-6.12	16.89	/	Pass
			39	23.06	-6.12	16.94	/	Pass
		75	0	23.14	-6.12	17.02	/	Pass

16QAM	3557.5	1	0	22.07	-6.12	15.95	/	Pass
			38	21.99	-6.12	15.87	/	Pass
			74	22.14	-6.12	16.02	/	Pass
		36	0	23.53	-6.12	17.41	/	Pass
			18	23.15	-6.12	17.03	/	Pass
			39	23.64	-6.12	17.52	/	Pass
		75	0	23.41	-6.12	17.29	/	Pass
	3625	1	0	23.77	-6.12	17.65	/	Pass
			38	23.95	-6.12	17.83	/	Pass
			74	23.91	-6.12	17.79	/	Pass
		36	0	22.67	-6.12	16.55	/	Pass
			18	22.89	-6.12	16.77	/	Pass
			39	22.62	-6.12	16.5	/	Pass
		75	0	22.88	-6.12	16.76	/	Pass
	3692.5	1	0	23.61	-6.12	17.49	/	Pass
			38	23.47	-6.12	17.35	/	Pass
			74	23.15	-6.12	17.03	/	Pass
		36	0	22.15	-6.12	16.03	/	Pass
			18	22.1	-6.12	15.98	/	Pass
			39	22.19	-6.12	16.07	/	Pass
		75	0	22.14	-6.12	16.02	/	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B48_15MHz_EIRP/10MHz

1.6.1 Test Result

Band: 48 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3557.5	1	0	23.36	-6.12	17.24	<=23	Pass
			38	22.6	-6.12	16.48	<=23	Pass
			74	23.01	-6.12	16.89	<=23	Pass
		36	0	22.14	-6.12	16.02	<=23	Pass
			18	22.18	-6.12	16.06	<=23	Pass
			39	22.12	-6.12	16	<=23	Pass
		75	0	20.63	-6.12	14.51	<=23	Pass
	3625	1	0	23.17	-6.12	17.05	<=23	Pass
			38	23.47	-6.12	17.35	<=23	Pass
			74	23.7	-6.12	17.58	<=23	Pass

		36	0	22.34	-6.12	16.22	<=23	Pass
			18	22.96	-6.12	16.84	<=23	Pass
			39	22.51	-6.12	16.39	<=23	Pass
		75	0	21.05	-6.12	14.93	<=23	Pass
	3692.5	1	0	22.34	-6.12	16.22	<=23	Pass
			38	22.3	-6.12	16.18	<=23	Pass
			74	21.85	-6.12	15.73	<=23	Pass
		36	0	21.58	-6.12	15.46	<=23	Pass
			18	21.66	-6.12	15.54	<=23	Pass
			39	21.12	-6.12	15	<=23	Pass
		75	0	19.62	-6.12	13.5	<=23	Pass
16QAM	3557.5	1	0	21.94	-6.12	15.82	<=23	Pass
			38	22.11	-6.12	15.99	<=23	Pass
			74	22.1	-6.12	15.98	<=23	Pass
		36	0	20.84	-6.12	14.72	<=23	Pass
			18	20.7	-6.12	14.58	<=23	Pass
			39	20.88	-6.12	14.76	<=23	Pass
		75	0	20.08	-6.12	13.96	<=23	Pass
	3625	1	0	22.22	-6.12	16.1	<=23	Pass
			38	22.54	-6.12	16.42	<=23	Pass
			74	22.73	-6.12	16.61	<=23	Pass
		36	0	21.13	-6.12	15.01	<=23	Pass
			18	21.44	-6.12	15.32	<=23	Pass
			39	21.44	-6.12	15.32	<=23	Pass
		75	0	19.9	-6.12	13.78	<=23	Pass
	3692.5	1	0	21.95	-6.12	15.83	<=23	Pass
			38	21.77	-6.12	15.65	<=23	Pass
			74	21.75	-6.12	15.63	<=23	Pass
		36	0	20.64	-6.12	14.52	<=23	Pass
			18	20.96	-6.12	14.84	<=23	Pass
			39	20.31	-6.12	14.19	<=23	Pass
		75	0	19.02	-6.12	12.9	<=23	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15								

1.7 B48_20MHz_EIRP

1.7.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	3560	1	0	23.96	-6.12	17.84	/	Pass
			50	23.9	-6.12	17.78	/	Pass
			99	23.91	-6.12	17.79	/	Pass
		50	0	23	-6.12	16.88	/	Pass
			25	23.01	-6.12	16.89	/	Pass
			50	22.98	-6.12	16.86	/	Pass
		100	0	22.98	-6.12	16.86	/	Pass
	3625	1	0	23.63	-6.12	17.51	/	Pass
			50	23.54	-6.12	17.42	/	Pass
			99	23.45	-6.12	17.33	/	Pass
		50	0	22.55	-6.12	16.43	/	Pass
			25	22.54	-6.12	16.42	/	Pass
			50	22.5	-6.12	16.38	/	Pass
		100	0	22.51	-6.12	16.39	/	Pass
	3690	1	0	22.97	-6.12	16.85	/	Pass
			50	22.84	-6.12	16.72	/	Pass
			99	22.72	-6.12	16.6	/	Pass
		50	0	21.83	-6.12	15.71	/	Pass
			25	21.78	-6.12	15.66	/	Pass
			50	21.71	-6.12	15.59	/	Pass
		100	0	21.72	-6.12	15.6	/	Pass
16QAM	3560	1	0	23.26	-6.12	17.14	/	Pass
			50	23.28	-6.12	17.16	/	Pass
			99	23.2	-6.12	17.08	/	Pass
		50	0	22.04	-6.12	15.92	/	Pass
			25	22.05	-6.12	15.93	/	Pass
			50	22.02	-6.12	15.9	/	Pass
		100	0	21.98	-6.12	15.86	/	Pass
	3625	1	0	22.86	-6.12	16.74	/	Pass
			50	22.78	-6.12	16.66	/	Pass
			99	22.8	-6.12	16.68	/	Pass
		50	0	21.59	-6.12	15.47	/	Pass
			25	21.57	-6.12	15.45	/	Pass

			50	21.49	-6.12	15.37	/	Pass
		100	0	21.45	-6.12	15.33	/	Pass
	3690	1	0	22.01	-6.12	15.89	/	Pass
			50	22.05	-6.12	15.93	/	Pass
			99	21.9	-6.12	15.78	/	Pass
		50	0	20.83	-6.12	14.71	/	Pass
			25	20.86	-6.12	14.74	/	Pass
			50	20.81	-6.12	14.69	/	Pass
		100	0	20.83	-6.12	14.71	/	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.8 B48_20MHz_EIRP/10MHz

1.8.1 Test Result

Band: 48 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm/10MHz)	Gain (dBi)	EIRP/10MHz (dBm/10MHz)		Verdict
		Size	Offset			Result	Limit	
QPSK	3560	1	0	21.84	-6.12	15.72	<=23	Pass
			50	21.38	-6.12	15.26	<=23	Pass
			99	20.93	-6.12	14.81	<=23	Pass
		50	0	20.4	-6.12	14.28	<=23	Pass
			25	20.3	-6.12	14.18	<=23	Pass
			50	20.32	-6.12	14.2	<=23	Pass
		100	0	17.85	-6.12	11.73	<=23	Pass
	3625	1	0	22.55	-6.12	16.43	<=23	Pass
			50	22.61	-6.12	16.49	<=23	Pass
			99	22.77	-6.12	16.65	<=23	Pass
		50	0	21.49	-6.12	15.37	<=23	Pass
			25	21.97	-6.12	15.85	<=23	Pass
			50	21.53	-6.12	15.41	<=23	Pass
		100	0	19.27	-6.12	13.15	<=23	Pass
	3690	1	0	21.93	-6.12	15.81	<=23	Pass
			50	21.82	-6.12	15.7	<=23	Pass
			99	21.25	-6.12	15.13	<=23	Pass
		50	0	20.77	-6.12	14.65	<=23	Pass
			25	20.7	-6.12	14.58	<=23	Pass
			50	20.62	-6.12	14.5	<=23	Pass
		100	0	18.06	-6.12	11.94	<=23	Pass
16QAM	3560	1	0	20.84	-6.12	14.72	<=23	Pass

			50	20.2	-6.12	14.08	<=23	Pass
			99	20.19	-6.12	14.07	<=23	Pass
		50	0	19.67	-6.12	13.55	<=23	Pass
			25	19.67	-6.12	13.55	<=23	Pass
			50	19.52	-6.12	13.4	<=23	Pass
		100	0	16.76	-6.12	10.64	<=23	Pass
	3625	1	0	22.02	-6.12	15.9	<=23	Pass
			50	21.37	-6.12	15.25	<=23	Pass
			99	21.9	-6.12	15.78	<=23	Pass
		50	0	21.03	-6.12	14.91	<=23	Pass
			25	21.17	-6.12	15.05	<=23	Pass
			50	20.79	-6.12	14.67	<=23	Pass
		100	0	18.16	-6.12	12.04	<=23	Pass
	3690	1	0	21.01	-6.12	14.89	<=23	Pass
			50	20.68	-6.12	14.56	<=23	Pass
			99	20.57	-6.12	14.45	<=23	Pass
		50	0	19.48	-6.12	13.36	<=23	Pass
			25	19.3	-6.12	13.18	<=23	Pass
			50	19.53	-6.12	13.41	<=23	Pass
		100	0	16.97	-6.12	10.85	<=23	Pass
Note1: EIRP/10MHz=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B48_20MHz

2.1.1 Test Result

Band: 48 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3560	100	0	20	3.27	1.900	0.0005	-2.5 to 2.5	Pass
					3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
					4.43	4.200	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.900	0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.000	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-0.800	-0.0002	-2.5 to 2.5	Pass
				0	3.85	5.600	0.0016	-2.5 to 2.5	Pass
				10	3.85	5.200	0.0015	-2.5 to 2.5	Pass
				30	3.85	3.600	0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				50	3.85	3.700	0.0010	-2.5 to 2.5	Pass
	3625	100	0	20	3.27	-2.300	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.000	-0.0003	-2.5 to 2.5	Pass
					4.43	0.600	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.500	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	5.100	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-1.400	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-3.900	-0.0011	-2.5 to 2.5	Pass
				10	3.85	4.500	0.0012	-2.5 to 2.5	Pass
				30	3.85	-0.700	-0.0002	-2.5 to 2.5	Pass
				40	3.85	3.900	0.0011	-2.5 to 2.5	Pass
				50	3.85	-0.900	-0.0002	-2.5 to 2.5	Pass
	3690	100	0	20	3.27	3.600	0.0010	-2.5 to 2.5	Pass
					3.85	2.300	0.0006	-2.5 to 2.5	Pass
					4.43	2.700	0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.100	0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.400	0.0009	-2.5 to 2.5	Pass
				-10	3.85	4.900	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.300	0.0004	-2.5 to 2.5	Pass
				10	3.85	3.300	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.500	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.200	0.0003	-2.5 to 2.5	Pass
				50	3.85	1.900	0.0005	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

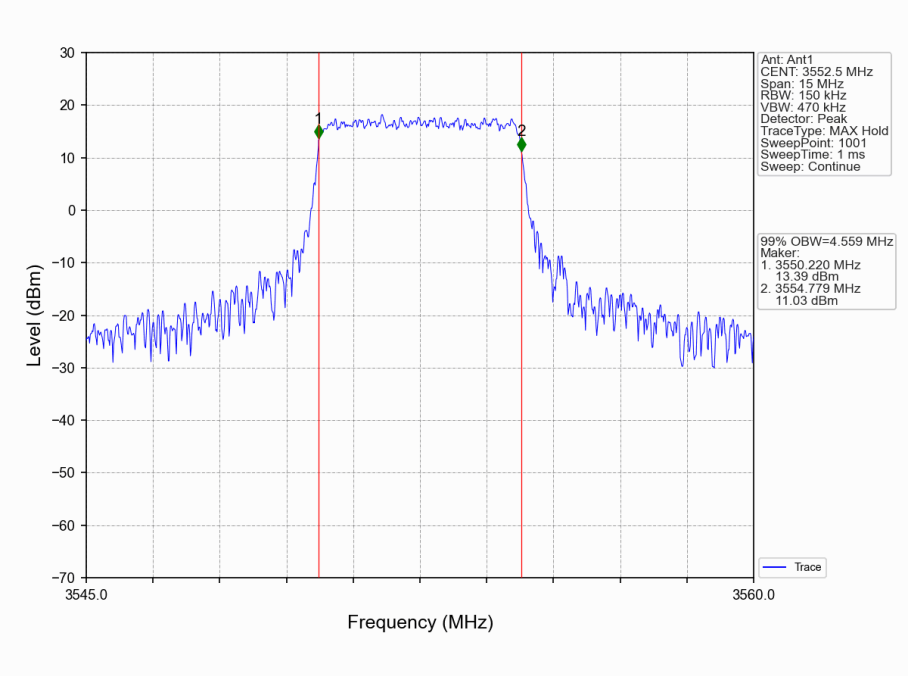
3.1 Band48_OBW

3.1.1 Test Result

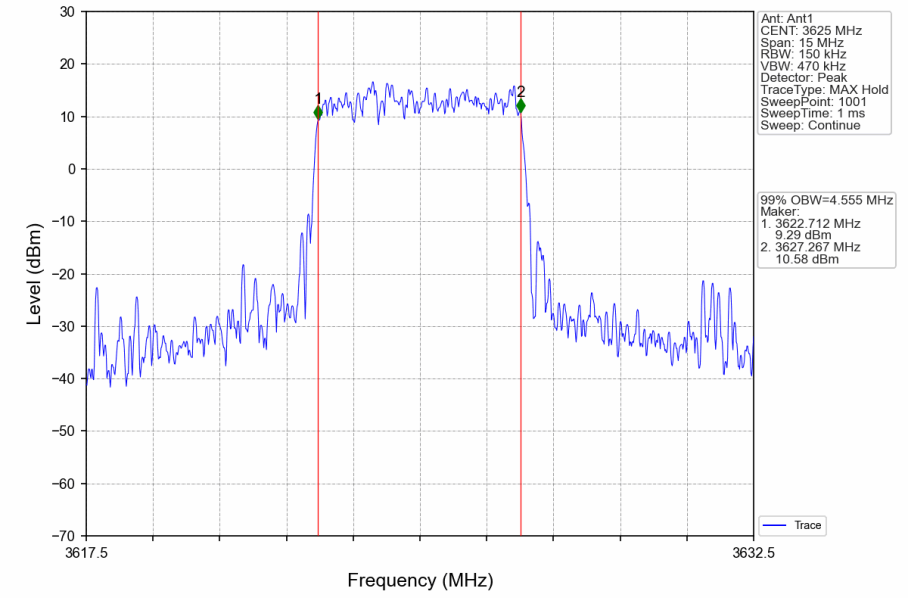
Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	4.559	/	Pass
		3625	25	0	4.555	/	Pass
		3697.5	25	0	4.524	/	Pass
	16QAM	3552.5	25	0	4.572	/	Pass
		3625	25	0	4.558	/	Pass
		3697.5	25	0	4.561	/	Pass
10	QPSK	3555	50	0	9.090	/	Pass
		3625	50	0	9.100	/	Pass
		3695	50	0	9.131	/	Pass
	16QAM	3555	50	0	9.086	/	Pass
		3625	50	0	9.020	/	Pass
		3695	50	0	8.970	/	Pass
15	QPSK	3557.5	75	0	13.619	/	Pass
		3625	75	0	13.559	/	Pass
		3692.5	75	0	13.538	/	Pass
	16QAM	3557.5	75	0	13.601	/	Pass
		3625	75	0	13.608	/	Pass
		3692.5	75	0	13.541	/	Pass
20	QPSK	3560	100	0	18.118	/	Pass
		3625	100	0	18.114	/	Pass
		3690	100	0	18.056	/	Pass
	16QAM	3560	100	0	18.165	/	Pass
		3625	100	0	18.151	/	Pass
		3690	100	0	17.973	/	Pass

3.1.2 Test Graph

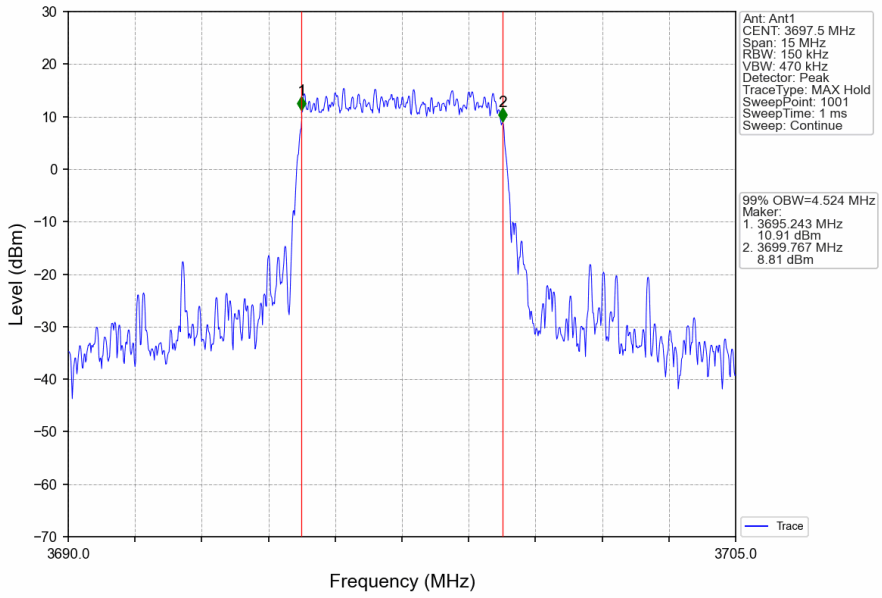
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



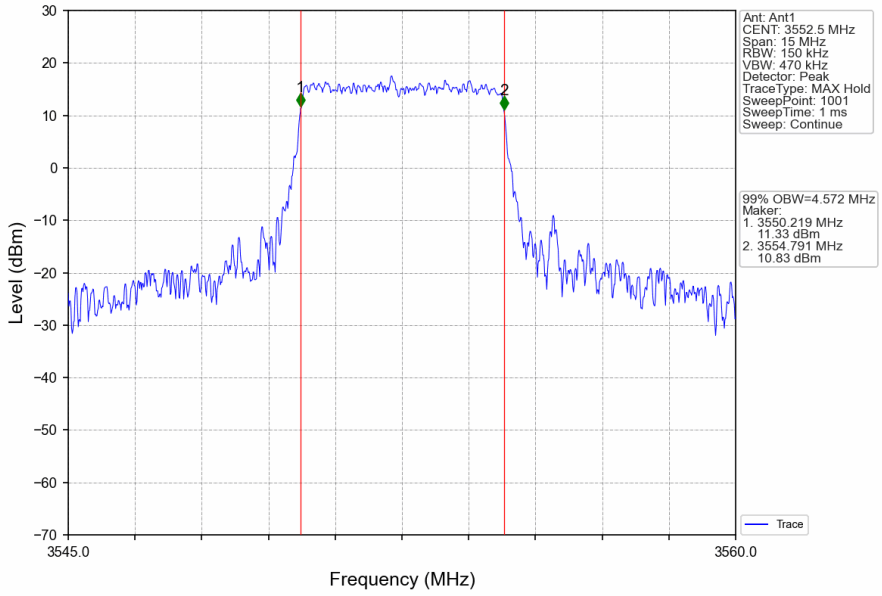
Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV



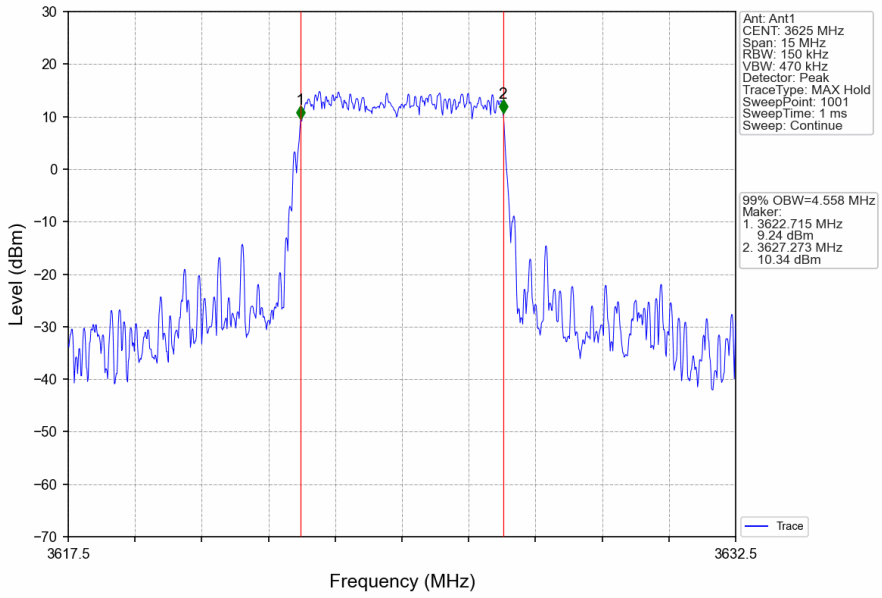
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



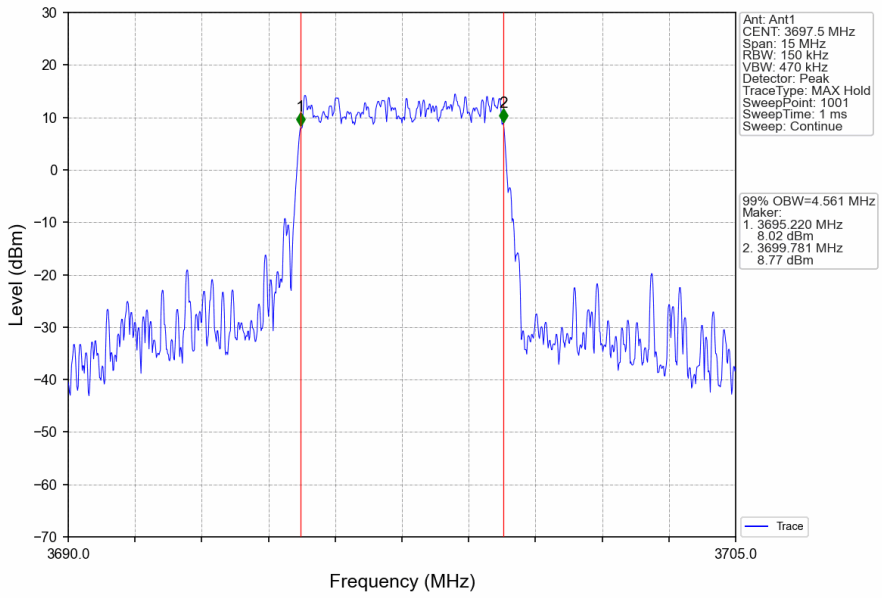
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



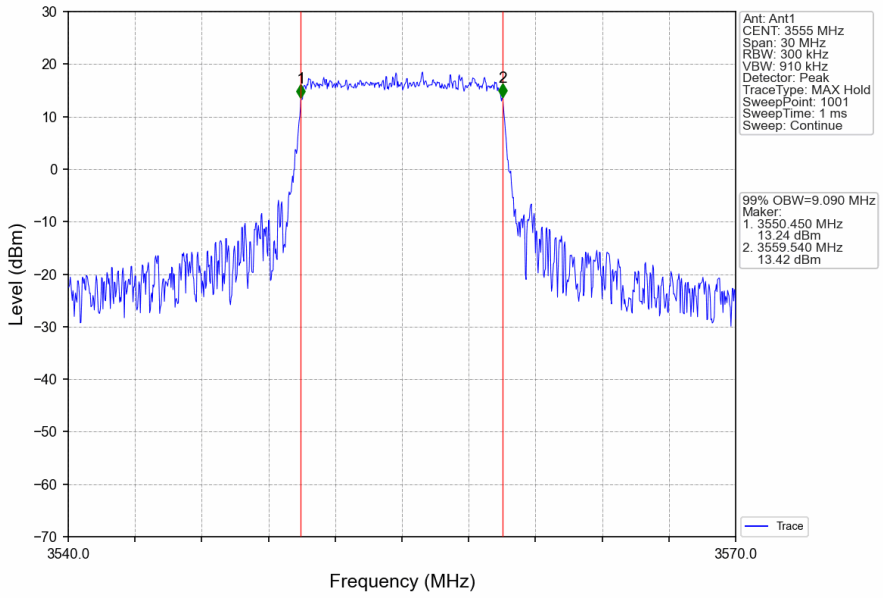
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



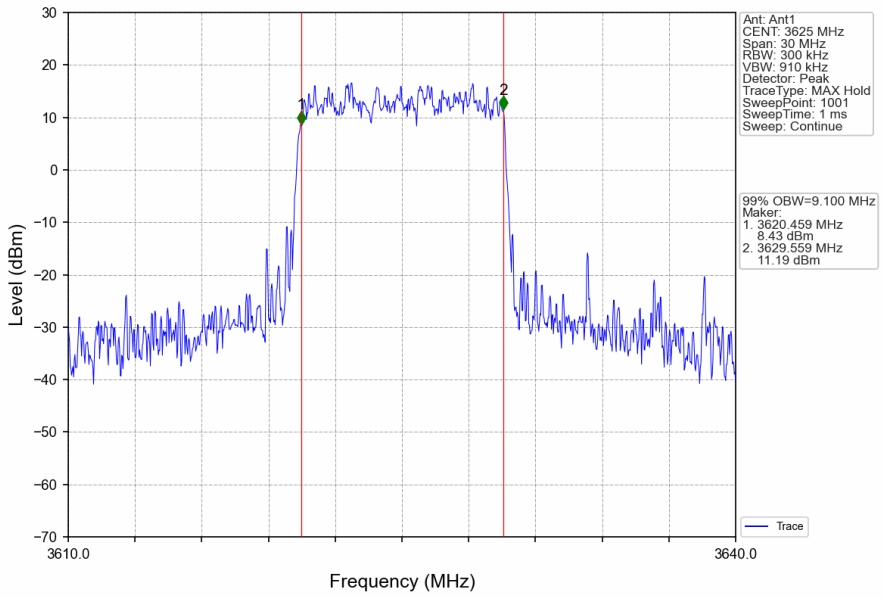
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

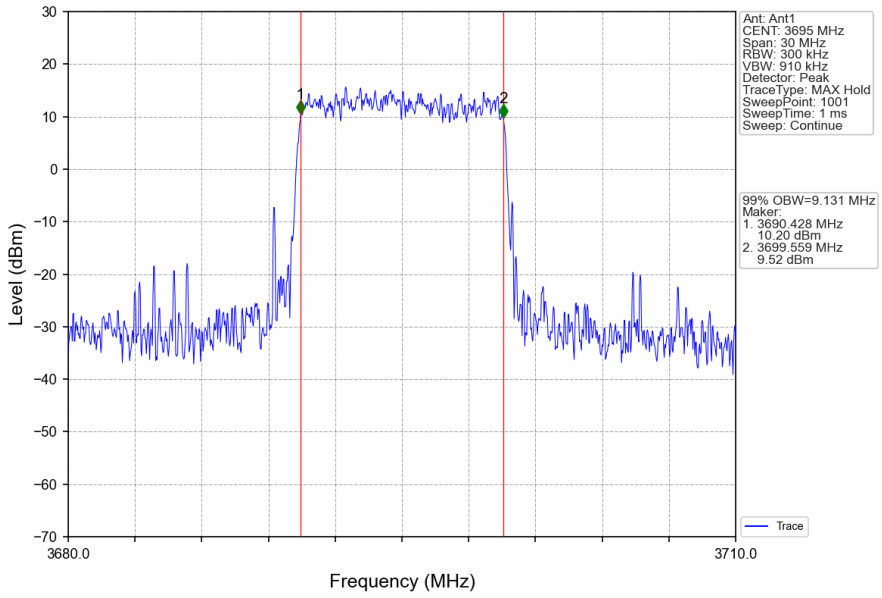


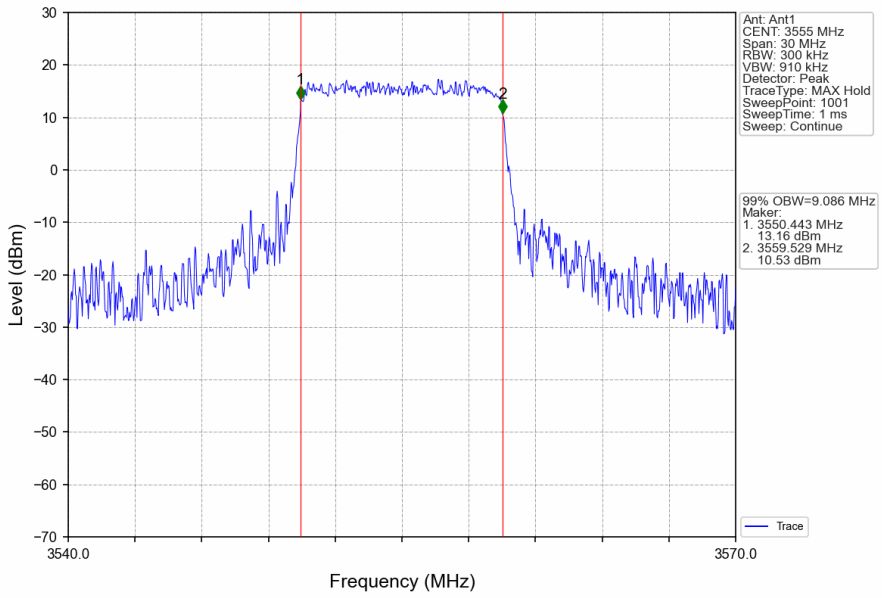
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



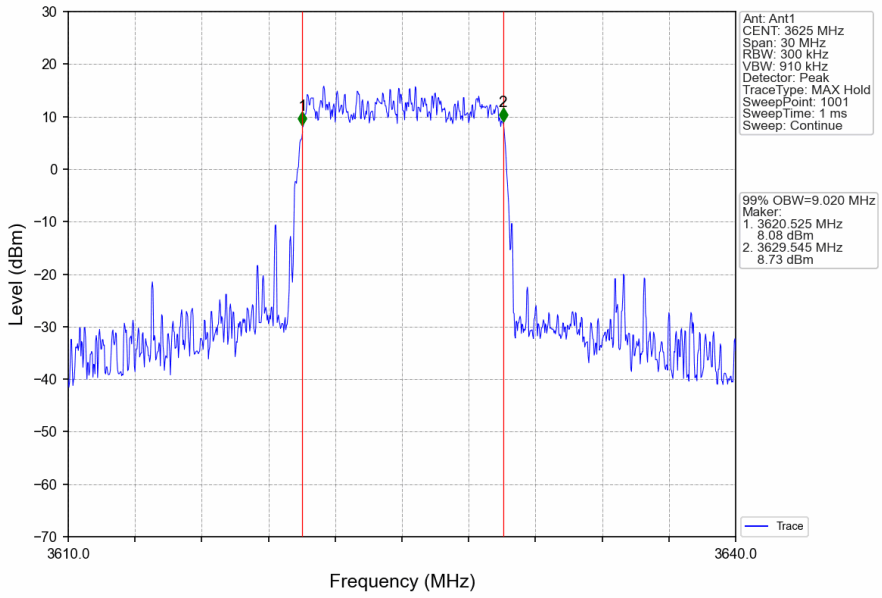
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



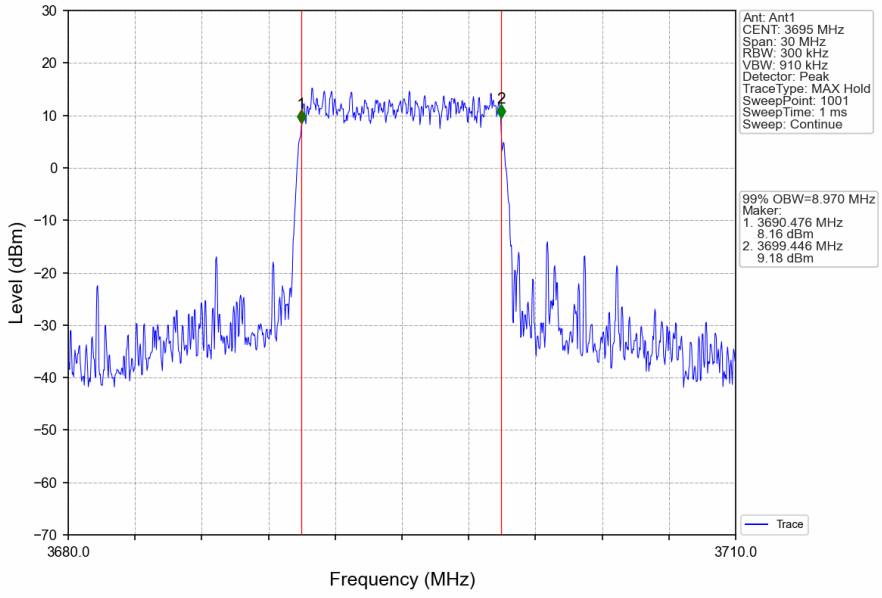
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV


Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV


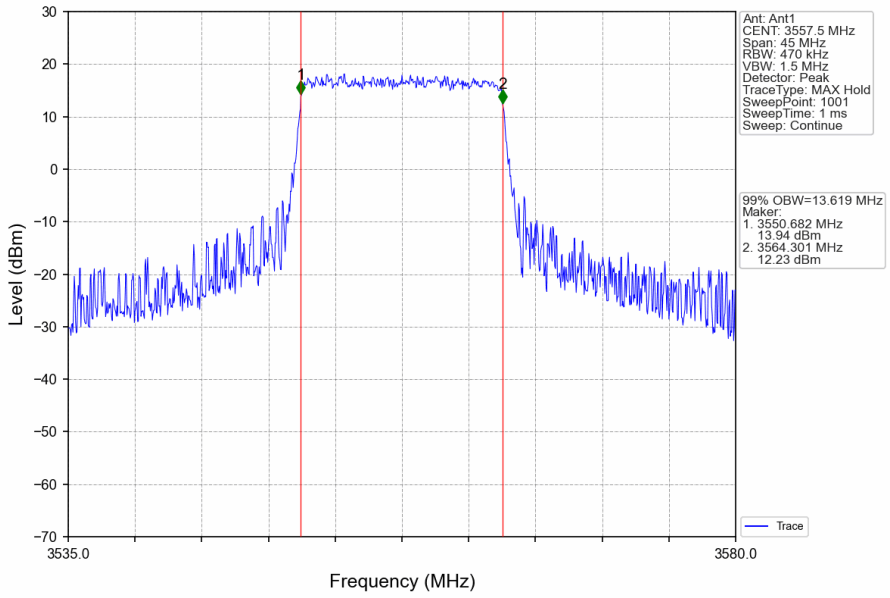
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



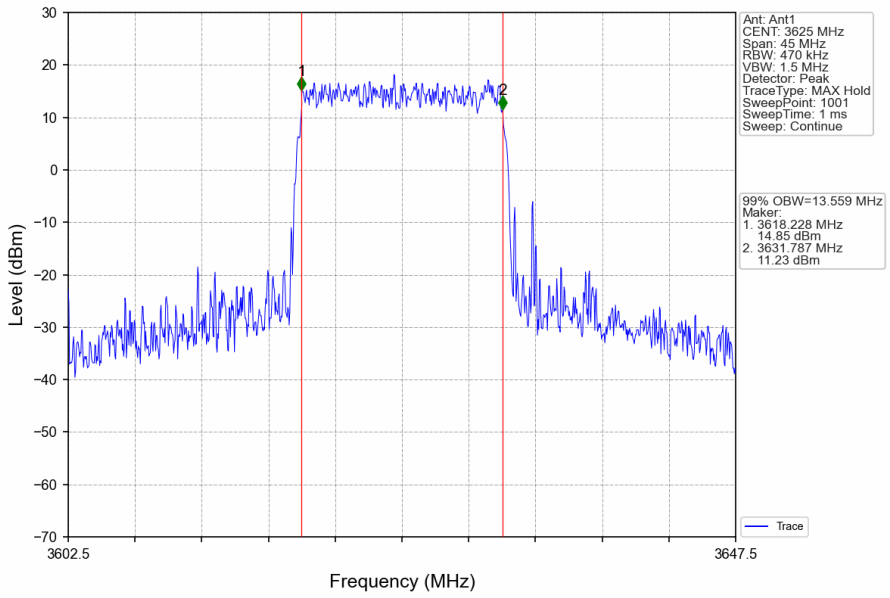
Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



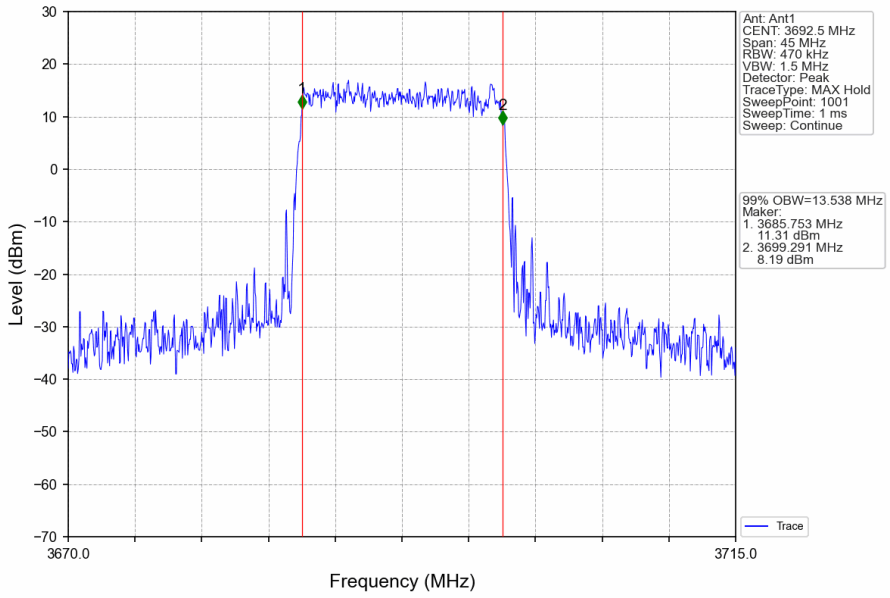
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



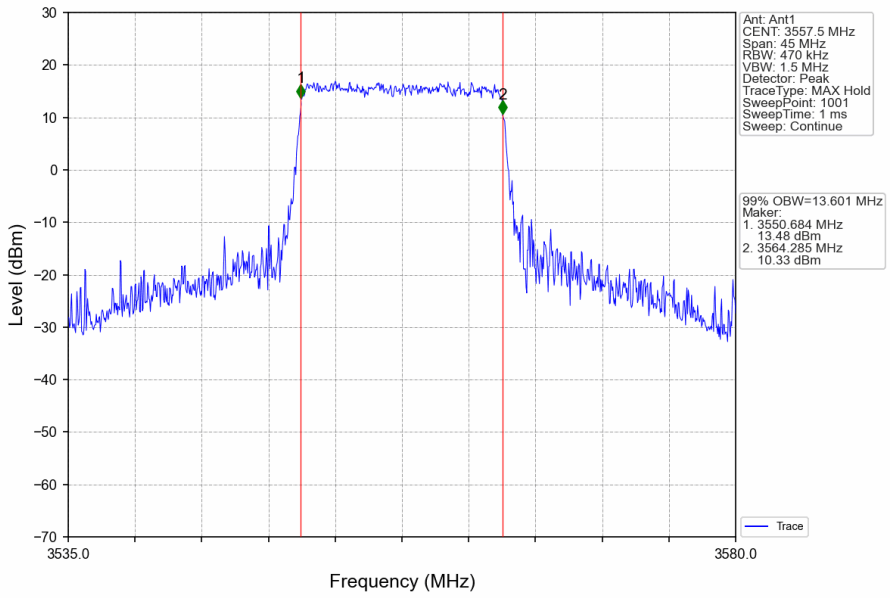
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



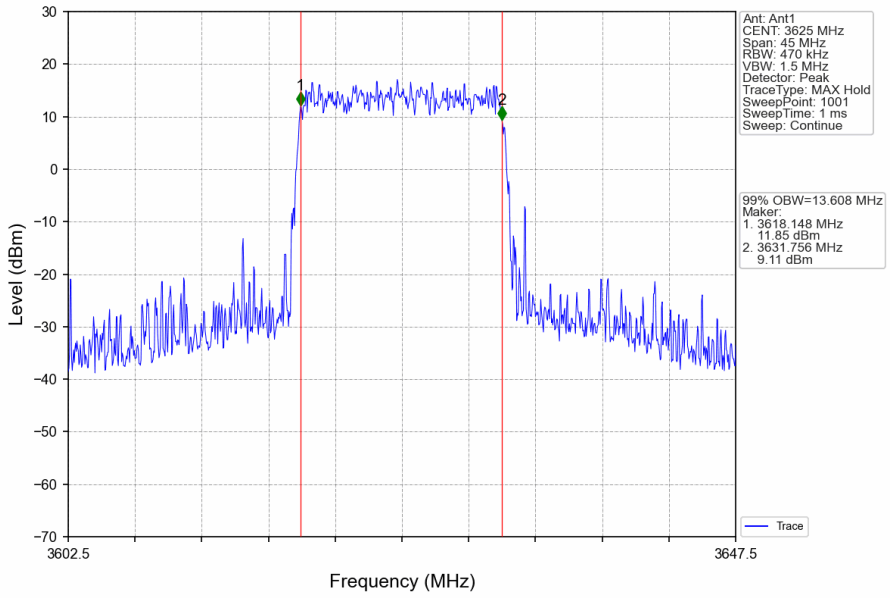
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



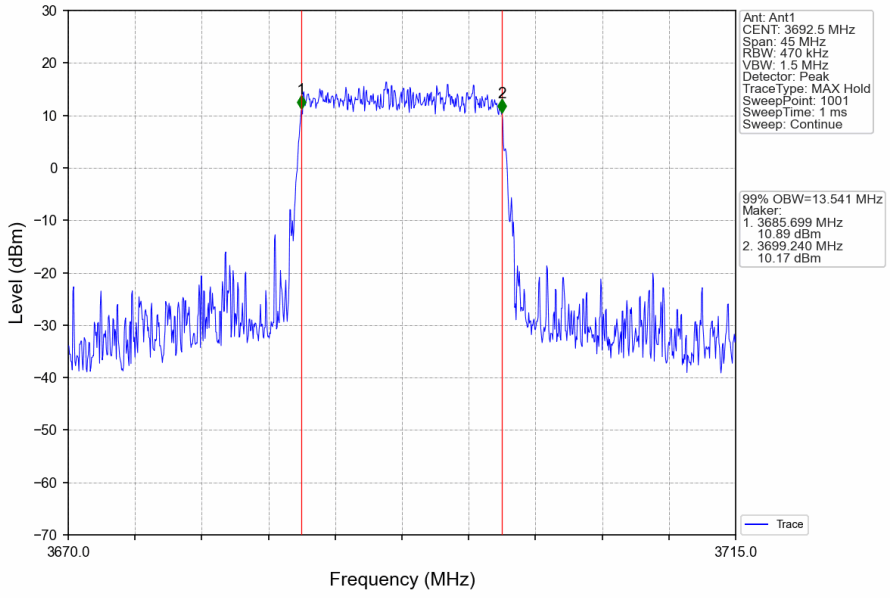
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



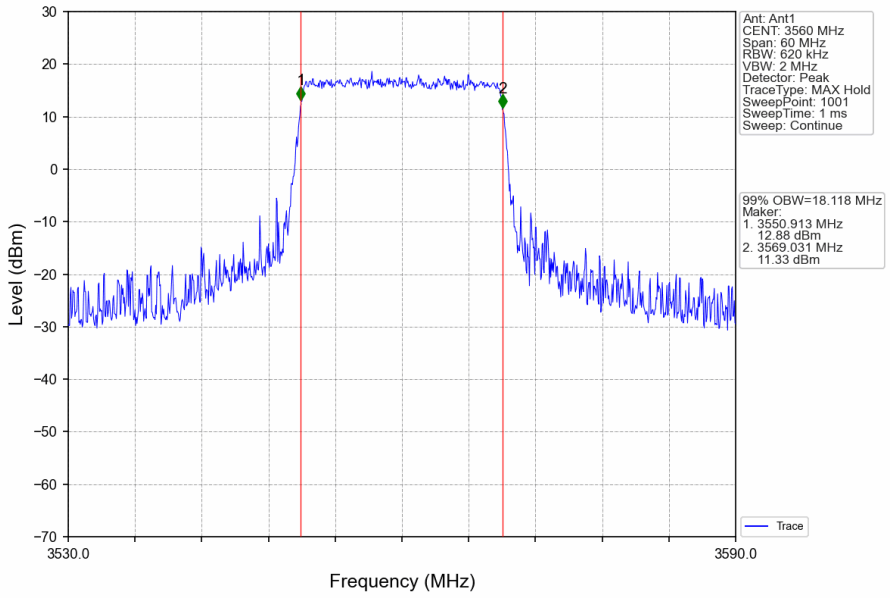
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



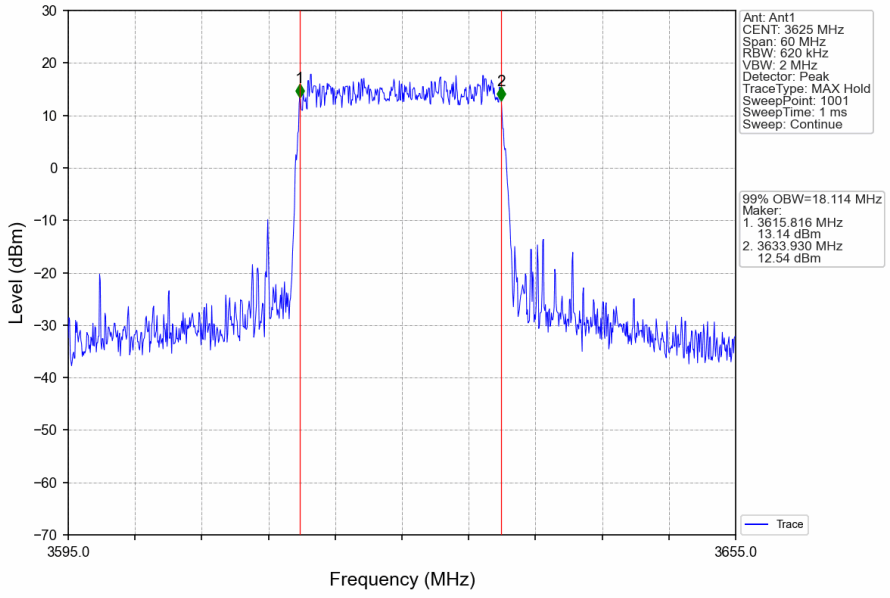
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



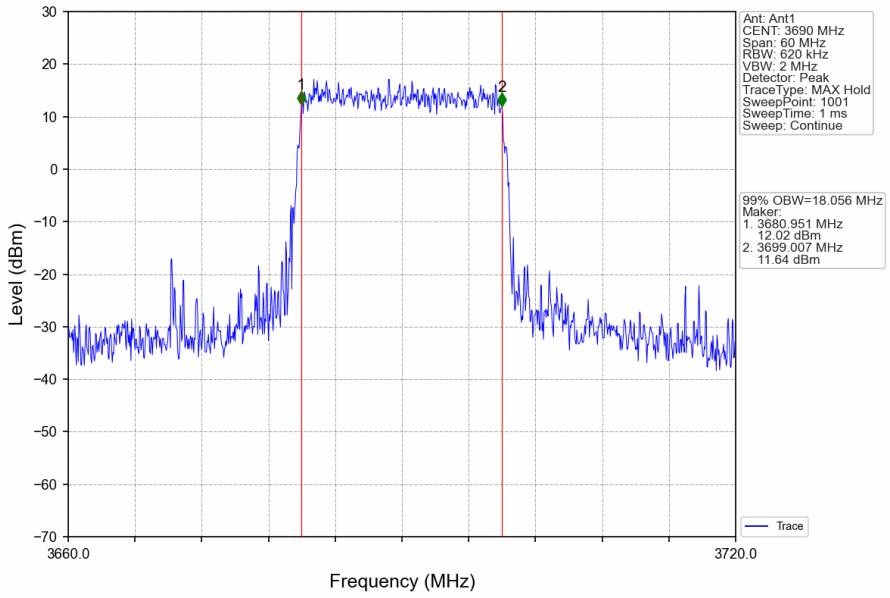
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



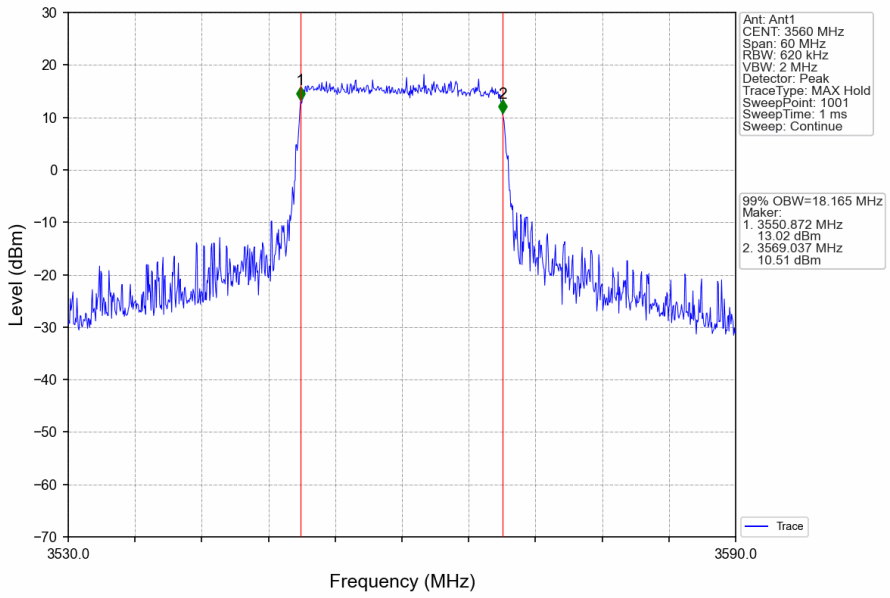
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV



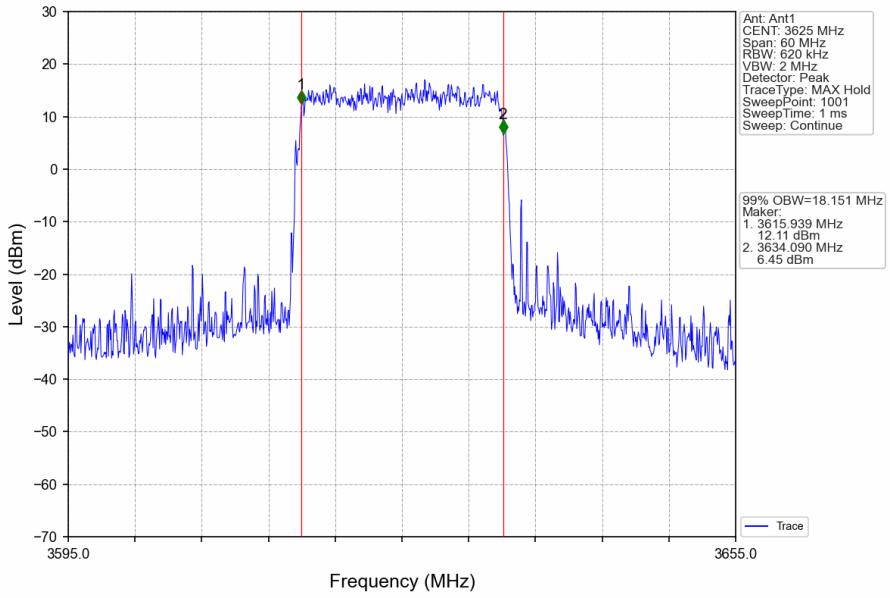
Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



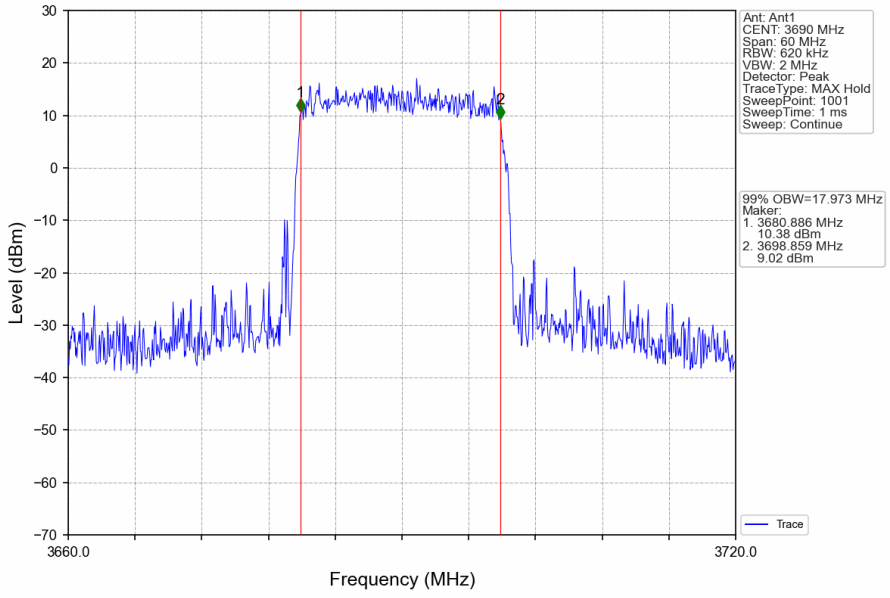
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



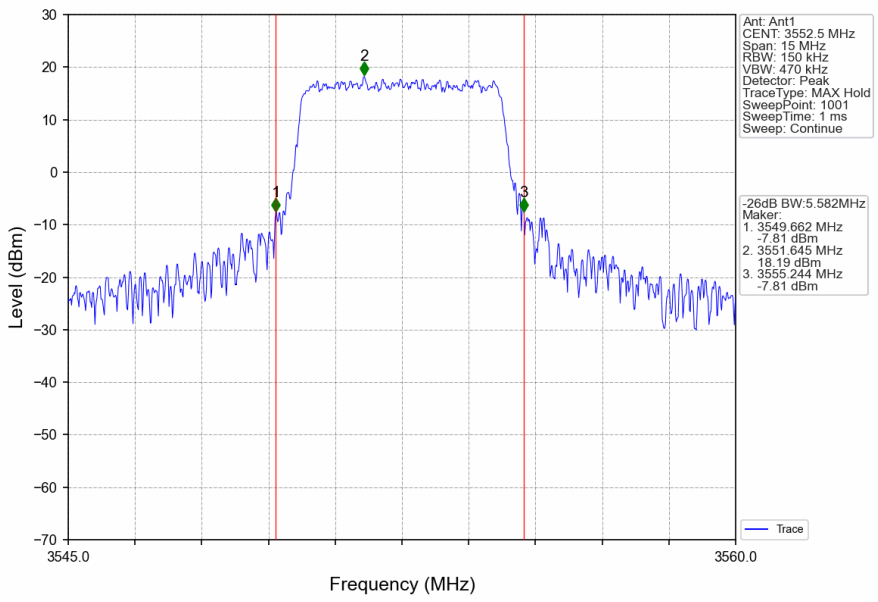
3.2 Band48_XDB

3.2.1 Test Result

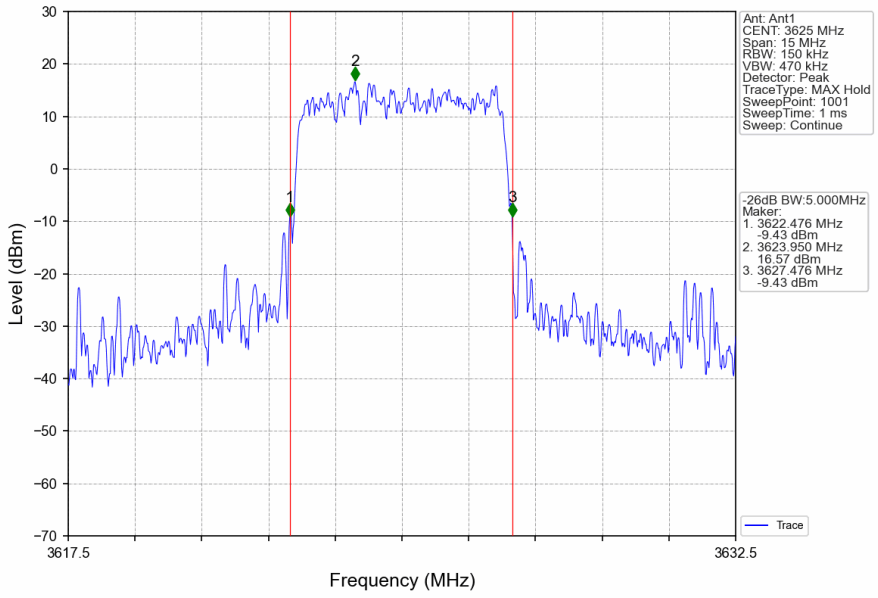
Band: 48 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3552.5	25	0	5.582	/	Pass
		3625	25	0	5.000	/	Pass
		3697.5	25	0	5.021	/	Pass
	16QAM	3552.5	25	0	5.306	/	Pass
		3625	25	0	5.096	/	Pass
		3697.5	25	0	5.177	/	Pass
10	QPSK	3555	50	0	11.413	/	Pass
		3625	50	0	9.678	/	Pass
		3695	50	0	10.783	/	Pass
	16QAM	3555	50	0	12.347	/	Pass
		3625	50	0	9.686	/	Pass
		3695	50	0	9.701	/	Pass
15	QPSK	3557.5	75	0	16.781	/	Pass
		3625	75	0	16.135	/	Pass
		3692.5	75	0	15.332	/	Pass
	16QAM	3557.5	75	0	15.827	/	Pass
		3625	75	0	15.769	/	Pass
		3692.5	75	0	15.020	/	Pass
20	QPSK	3560	100	0	21.987	/	Pass
		3625	100	0	19.325	/	Pass
		3690	100	0	19.708	/	Pass
	16QAM	3560	100	0	19.906	/	Pass
		3625	100	0	20.450	/	Pass
		3690	100	0	19.372	/	Pass

3.2.2 Test Graph

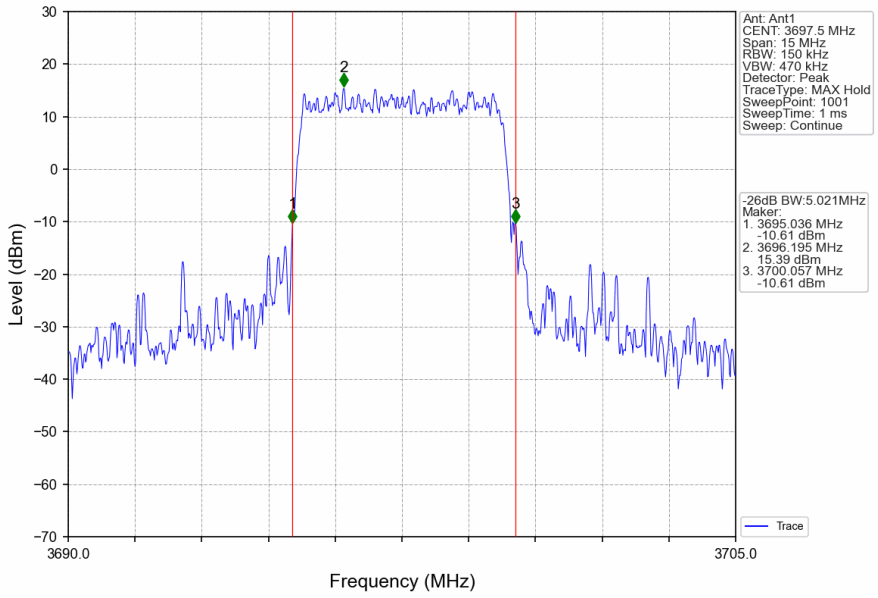
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV



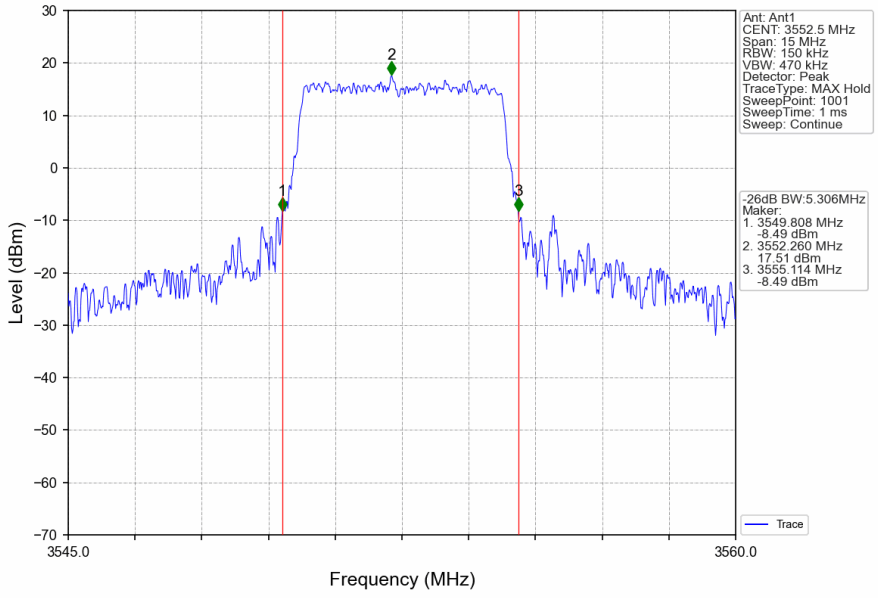
Band48_5MHz_QPSK_MCH_3625MHz_RB_25_0_NTNV



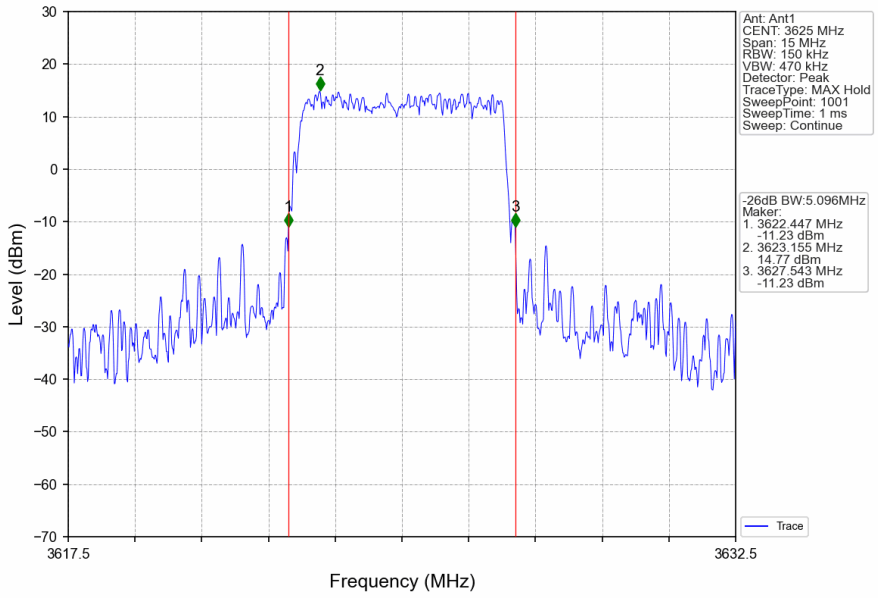
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



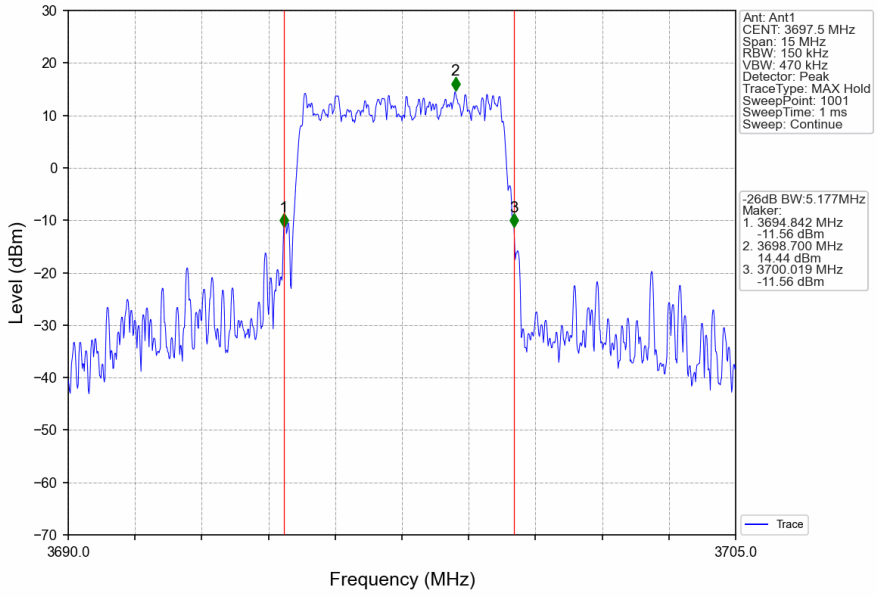
Band48_5MHz_16QAM_LCH_3552.5MHz_RB_25_0_NTNV



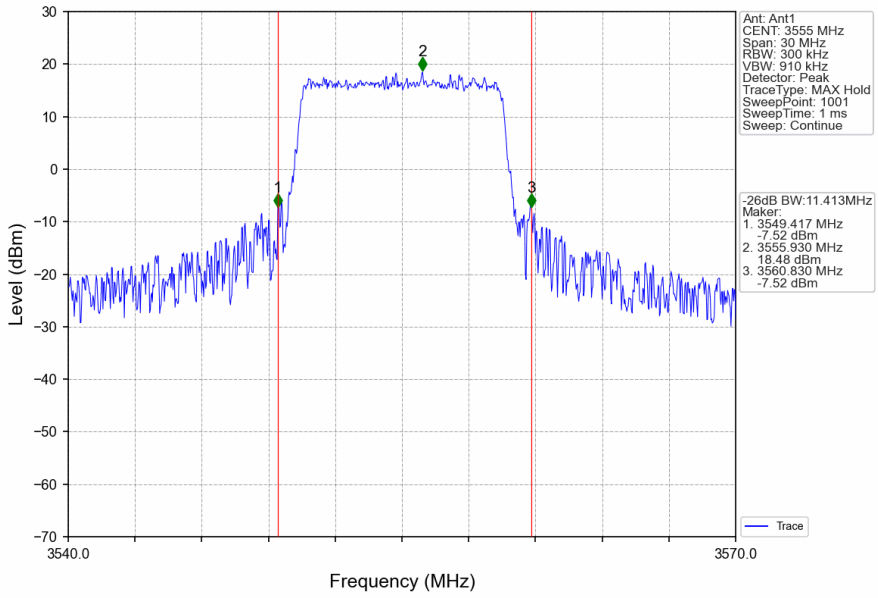
Band48_5MHz_16QAM_MCH_3625MHz_RB_25_0_NTNV



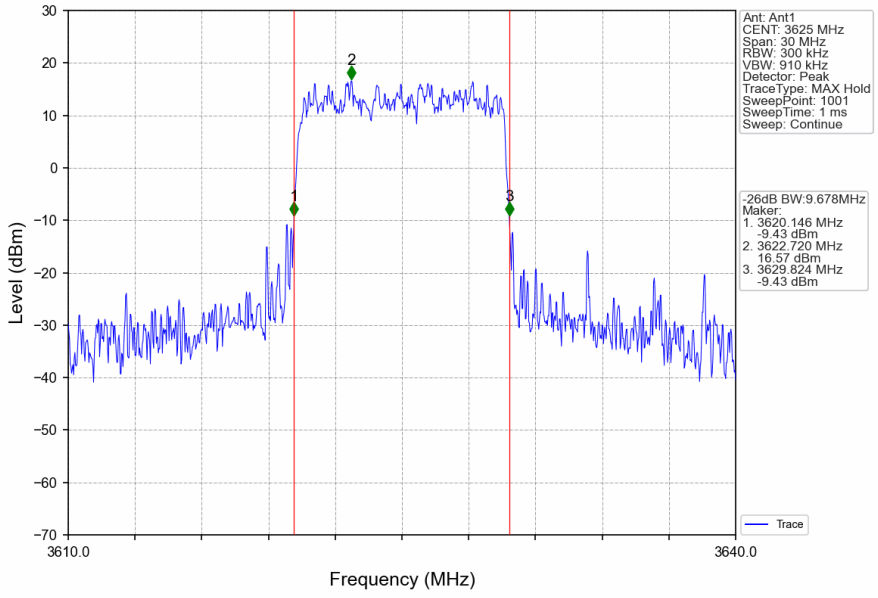
Band48_5MHz_16QAM_HCH_3697.5MHz_RB_25_0_NTNV

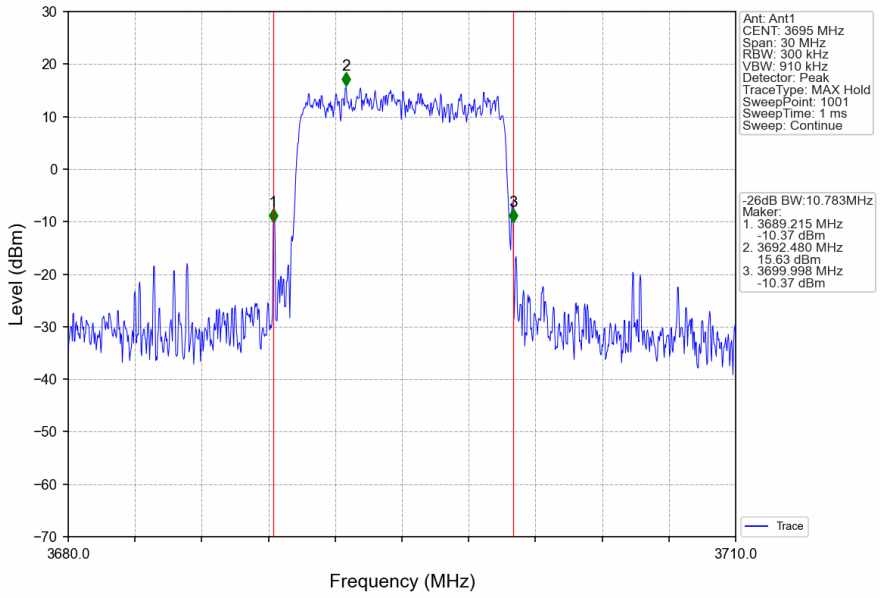


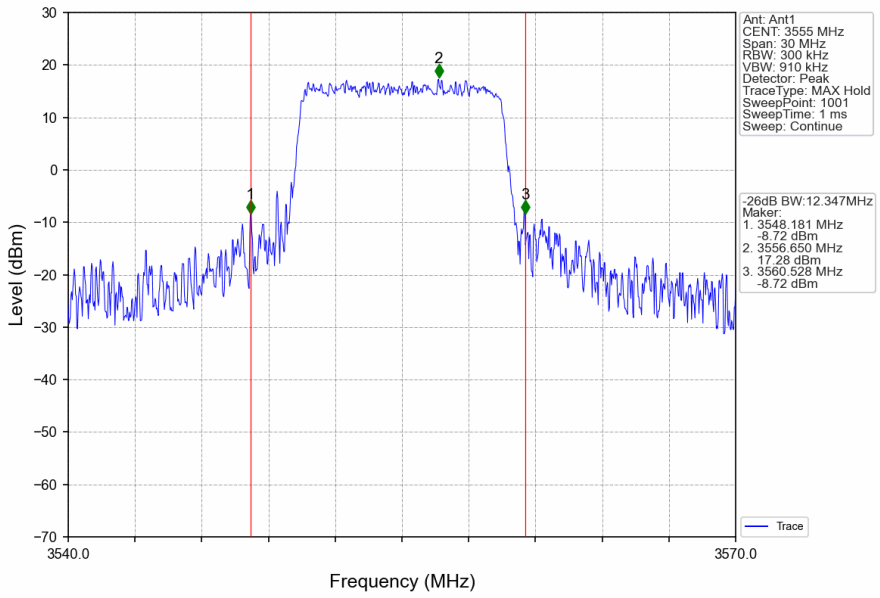
Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV



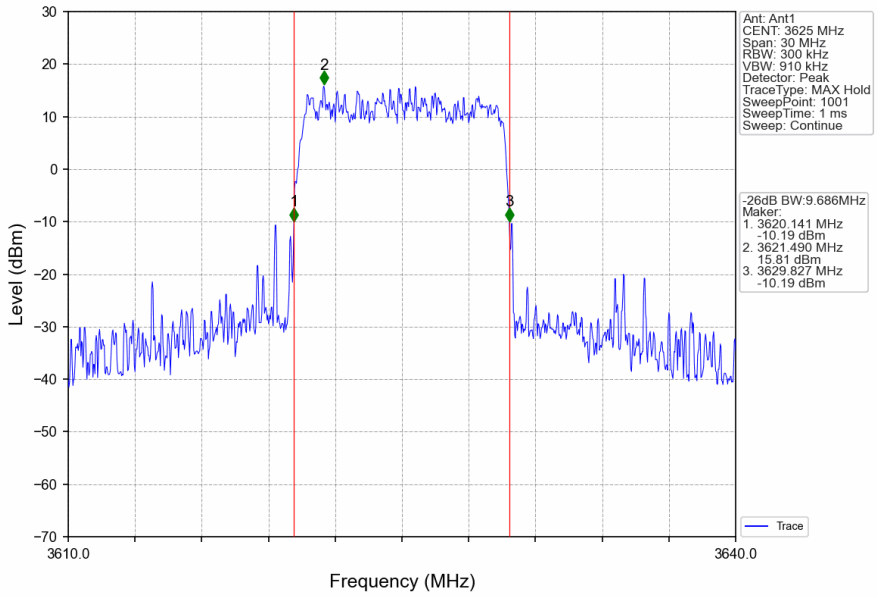
Band48_10MHz_QPSK_MCH_3625MHz_RB_50_0_NTNV



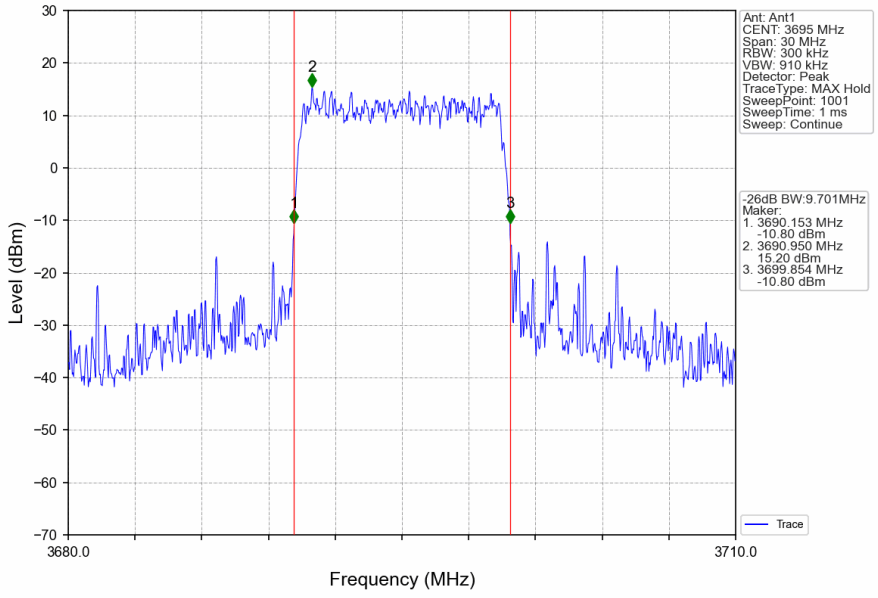
Band48_10MHz_QPSK_HCH_3695MHz_RB_50_0_NTNV


Band48_10MHz_16QAM_LCH_3555MHz_RB_50_0_NTNV


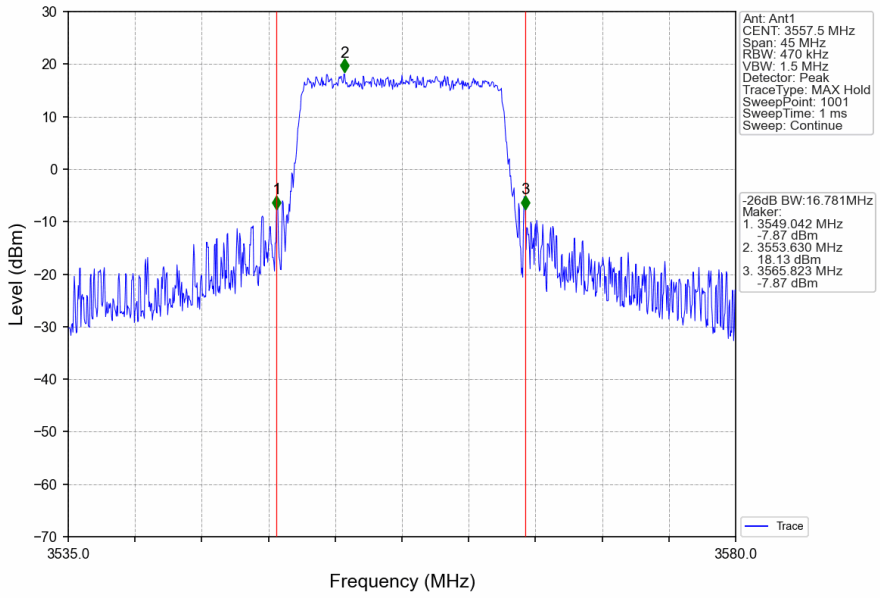
Band48_10MHz_16QAM_MCH_3625MHz_RB_50_0_NTNV



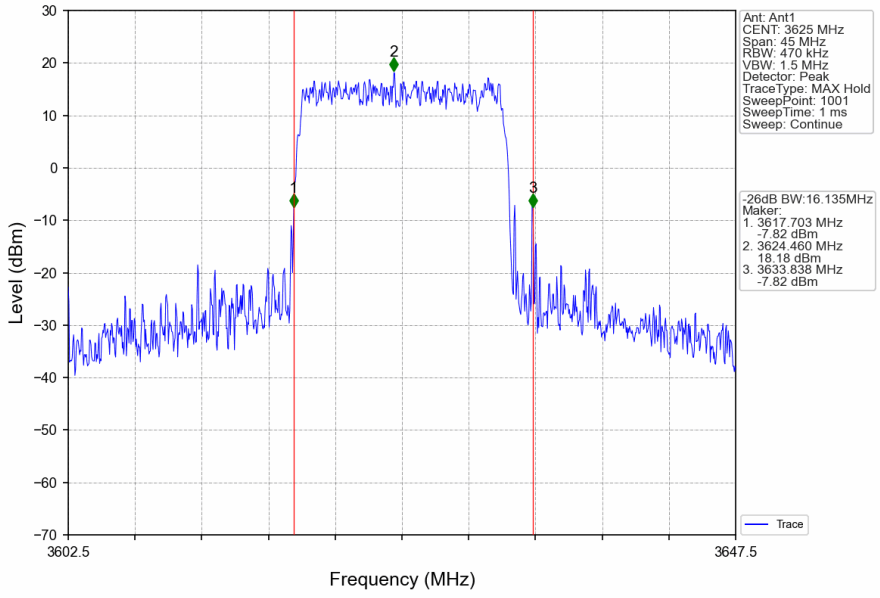
Band48_10MHz_16QAM_HCH_3695MHz_RB_50_0_NTNV



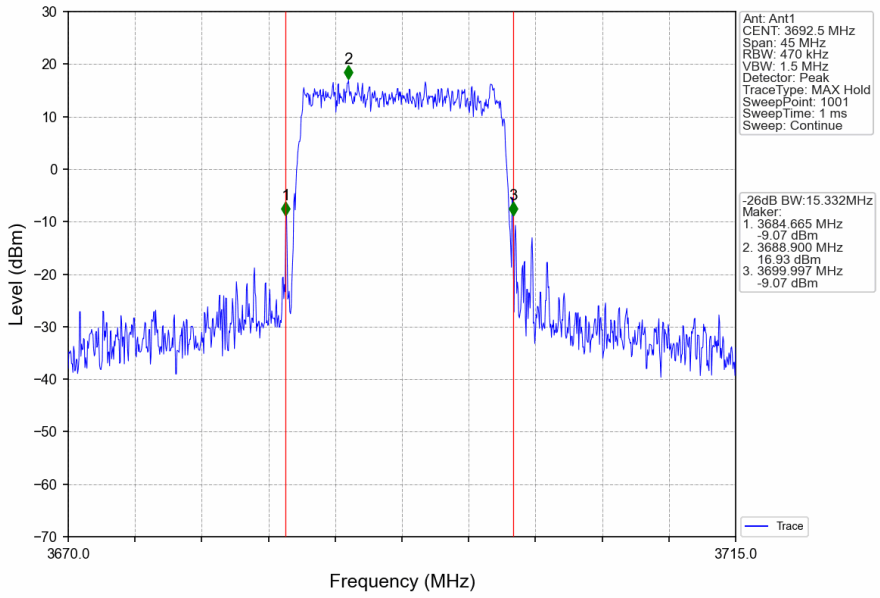
Band48_15MHz_QPSK_LCH_3557.5MHz_RB_75_0_NTNV



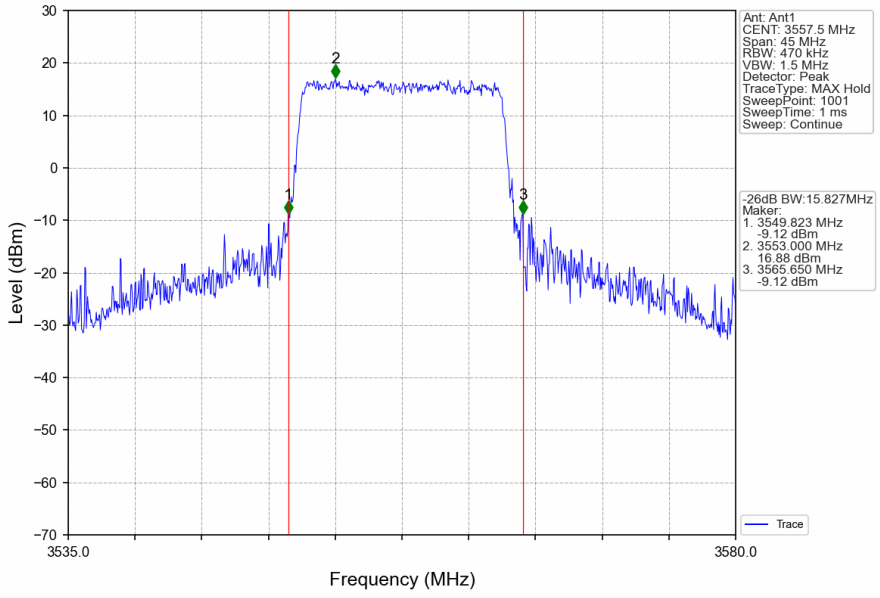
Band48_15MHz_QPSK_MCH_3625MHz_RB_75_0_NTNV



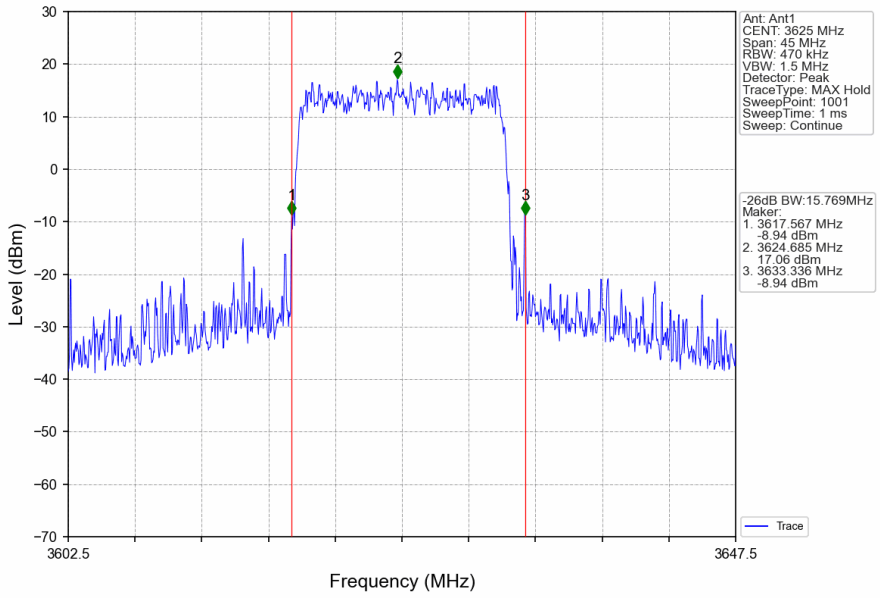
Band48_15MHz_QPSK_HCH_3692.5MHz_RB_75_0_NTNV



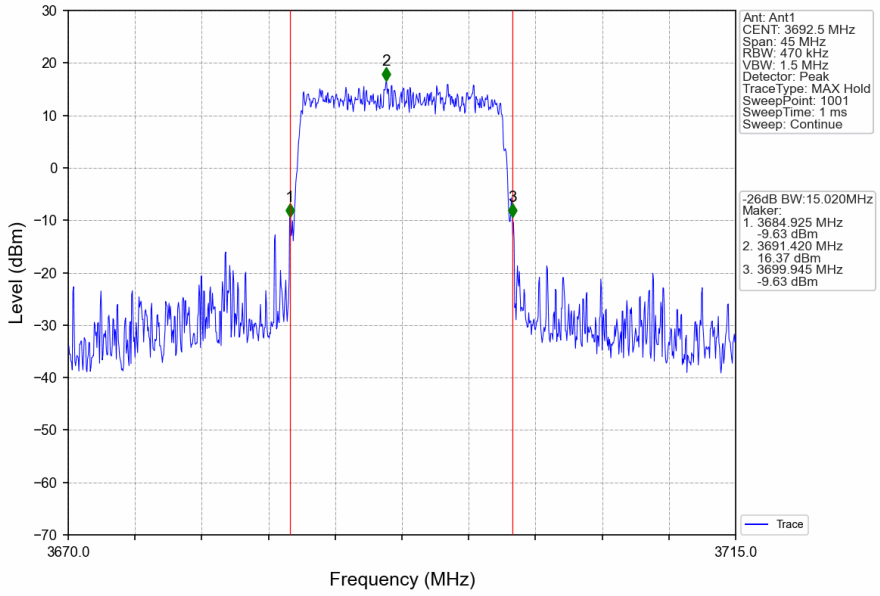
Band48_15MHz_16QAM_LCH_3557.5MHz_RB_75_0_NTNV



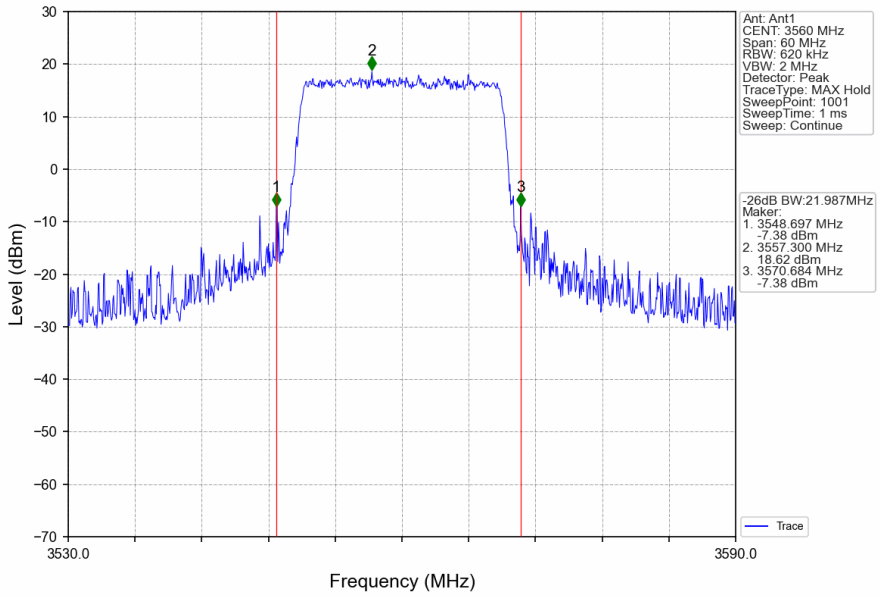
Band48_15MHz_16QAM_MCH_3625MHz_RB_75_0_NTNV



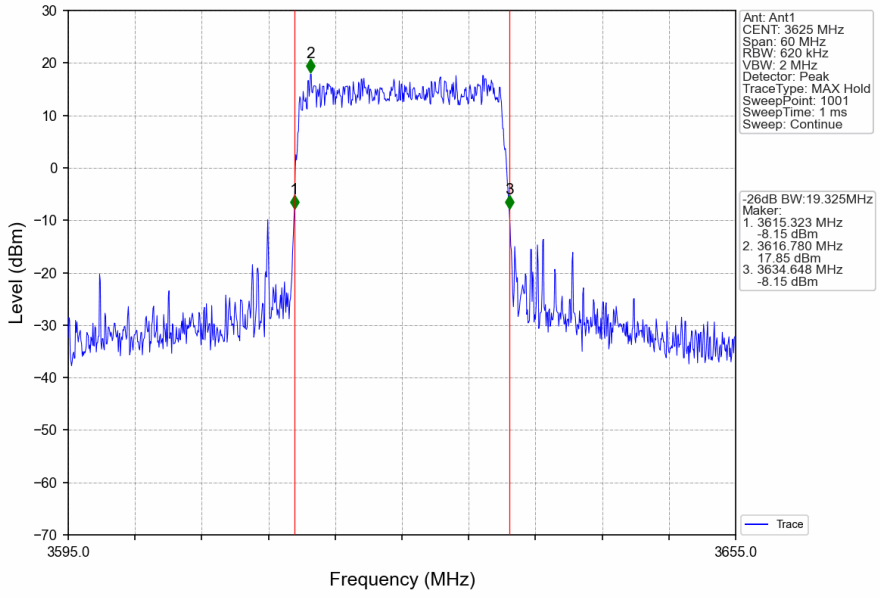
Band48_15MHz_16QAM_HCH_3692.5MHz_RB_75_0_NTNV



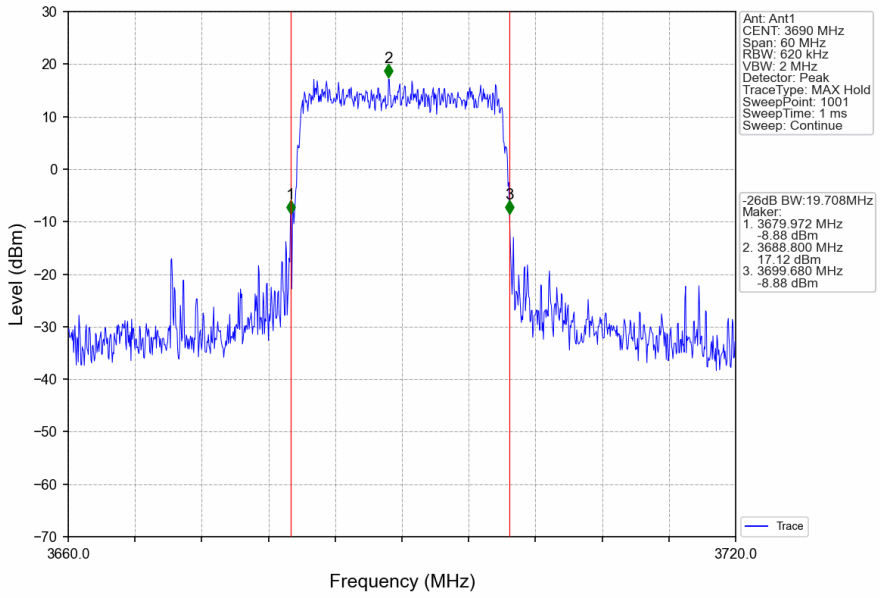
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



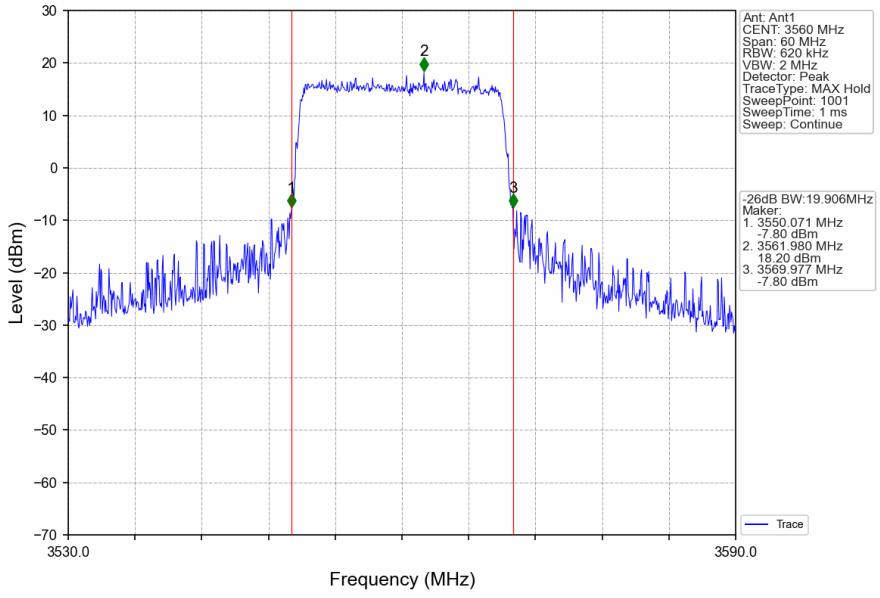
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV



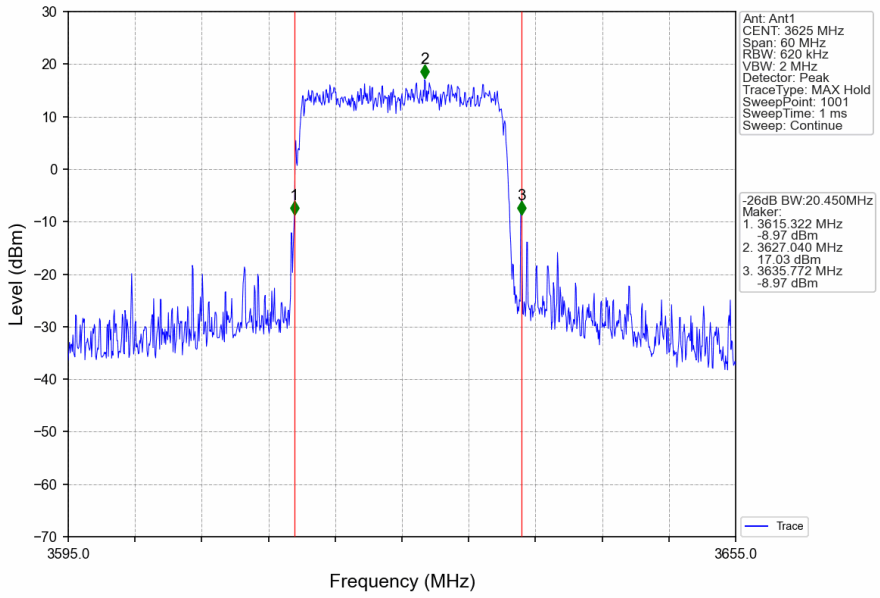
Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



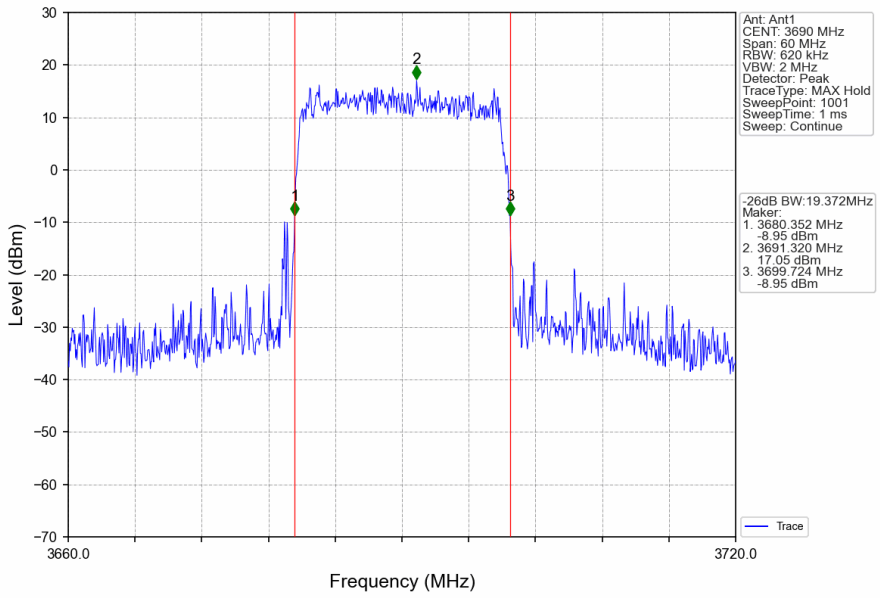
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



4. Peak-Average Ratio

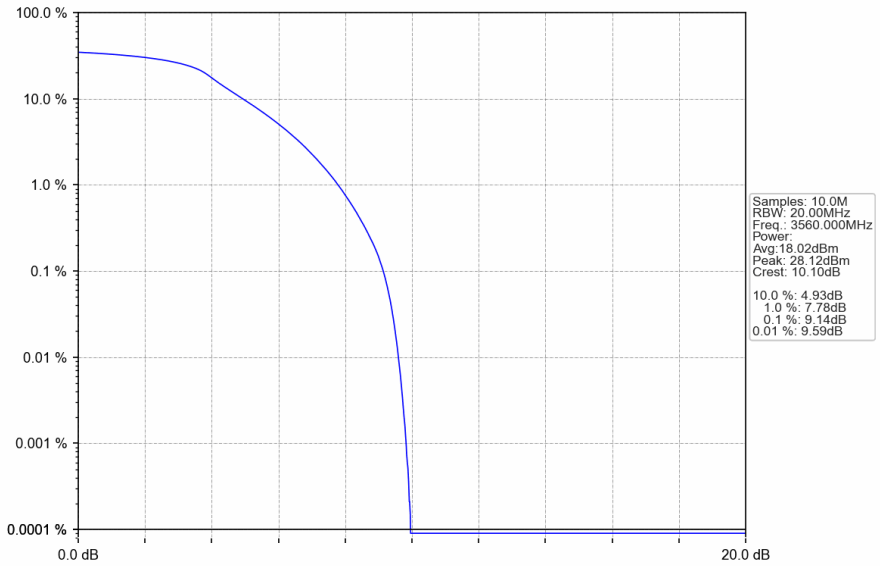
4.1 B48_20MHz

4.1.1 Test Result

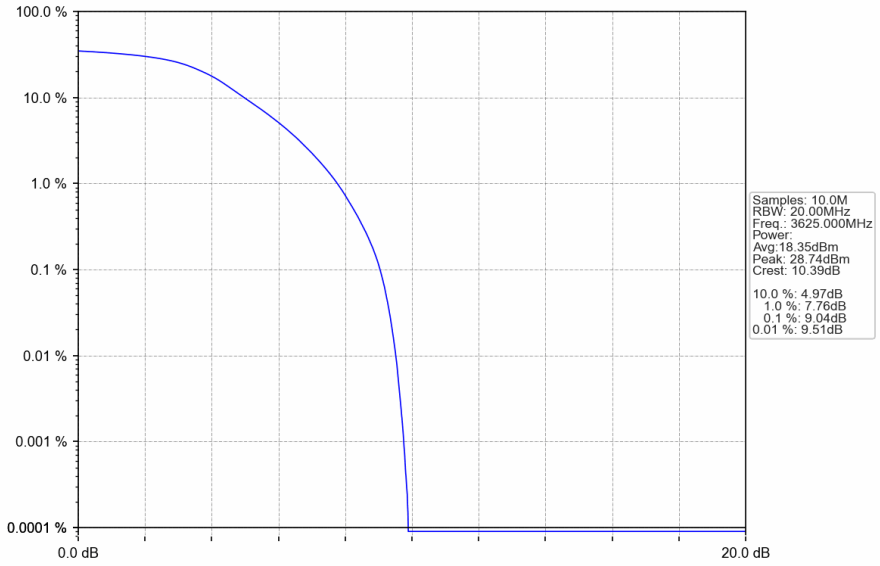
Band: 48 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3560	100	0	9.14	<=13	Pass
	3625	100	0	9.04	<=13	Pass
	3690	100	0	9.07	<=13	Pass
16QAM	3560	100	0	10.09	<=13	Pass
	3625	100	0	9.98	<=13	Pass
	3690	100	0	10.08	<=13	Pass

4.1.2 Test Graph

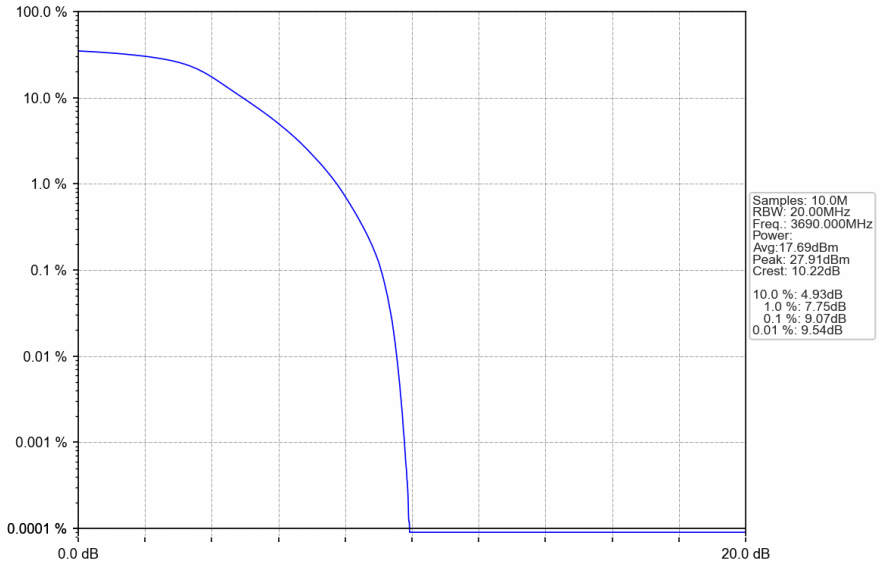
Band48_20MHz_QPSK_LCH_3560MHz_RB_100_0_NTNV



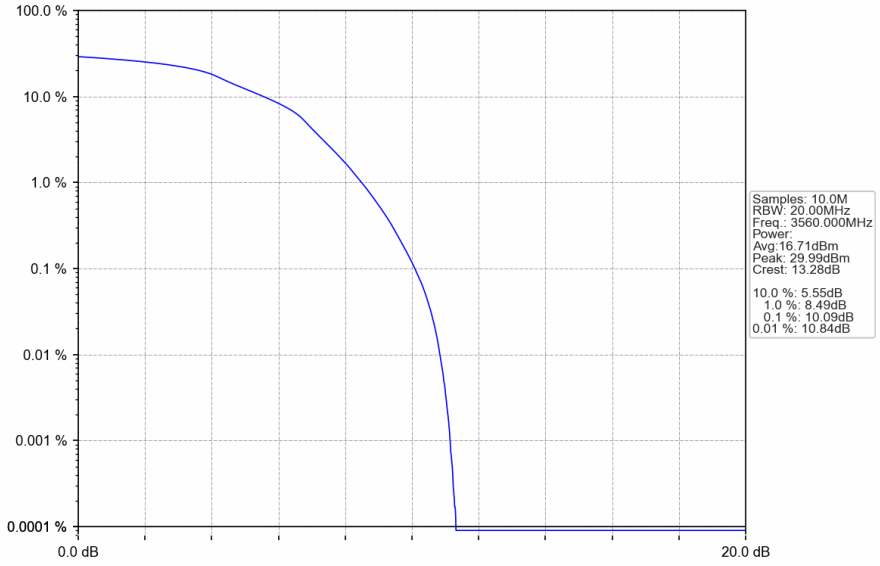
Band48_20MHz_QPSK_MCH_3625MHz_RB_100_0_NTNV



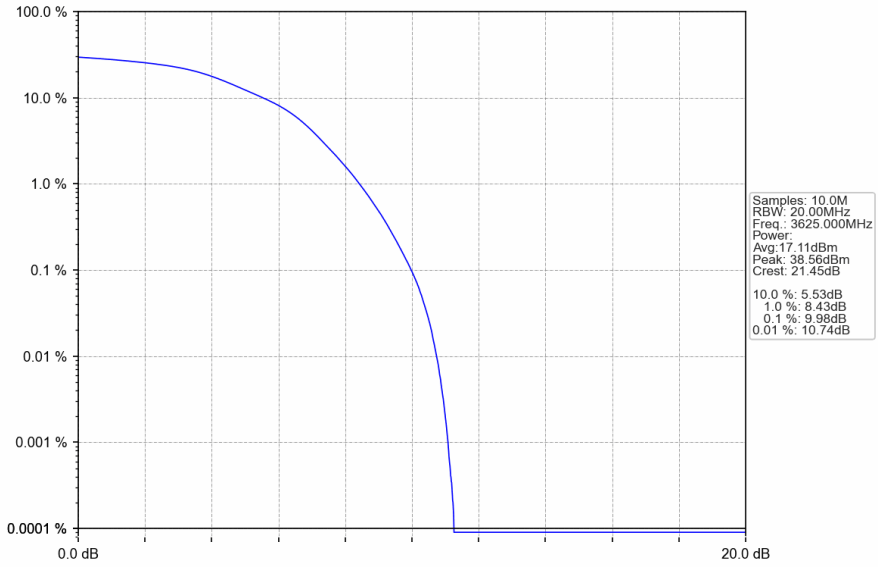
Band48_20MHz_QPSK_HCH_3690MHz_RB_100_0_NTNV



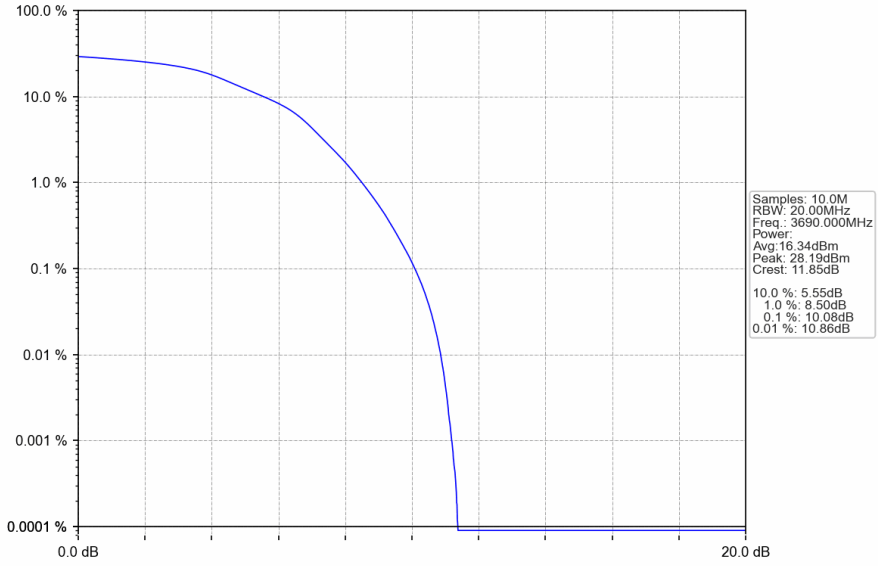
Band48_20MHz_16QAM_LCH_3560MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_MCH_3625MHz_RB_100_0_NTNV



Band48_20MHz_16QAM_HCH_3690MHz_RB_100_0_NTNV



5. Spurious Emission

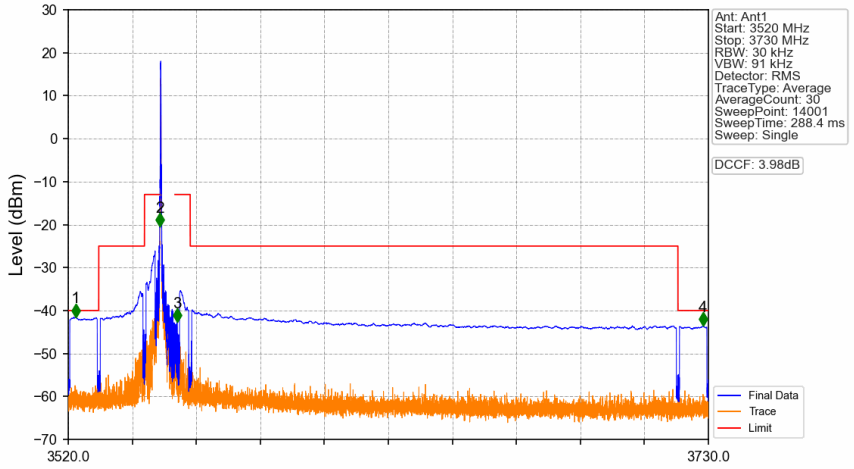
5.1 B48_5MHz

5.1.1 Test Result

Band: 48 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3552.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3697.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

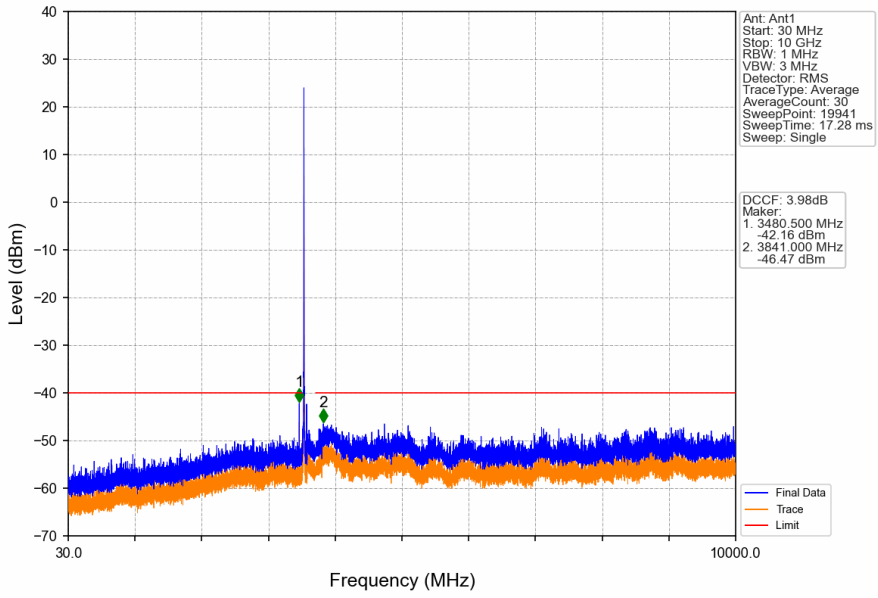
5.1.2 Test Graph

Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

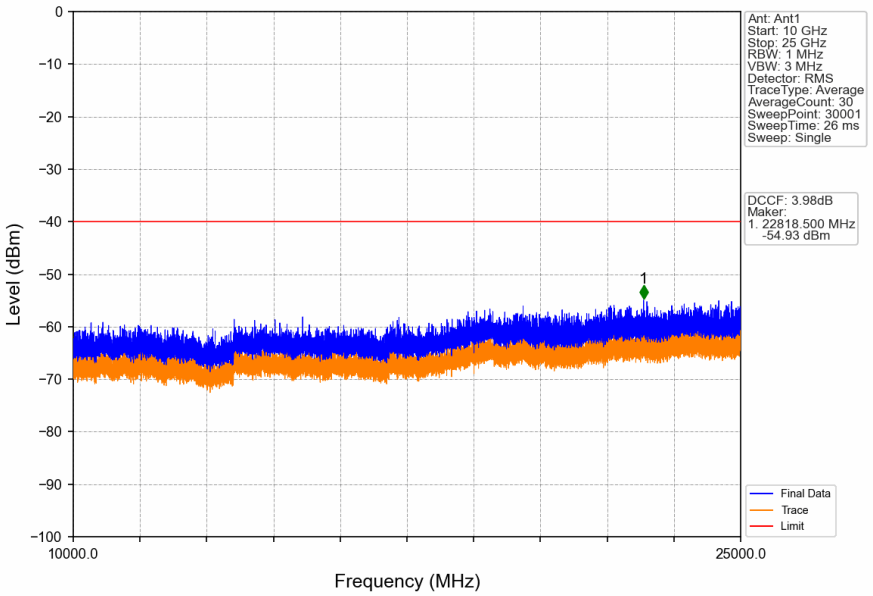


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3522.415	-41.54	-40	Pass
3549	3550	0.03	/	2	3550.000	-20.43	-13	Pass
3550	3555	0.03	/	/	/	/	/	/
3555	3556	0.03	/	3	3555.700	-42.74	-13	Pass
3556	3730	1	CHP	4	3728.245	-43.61	-40	Pass

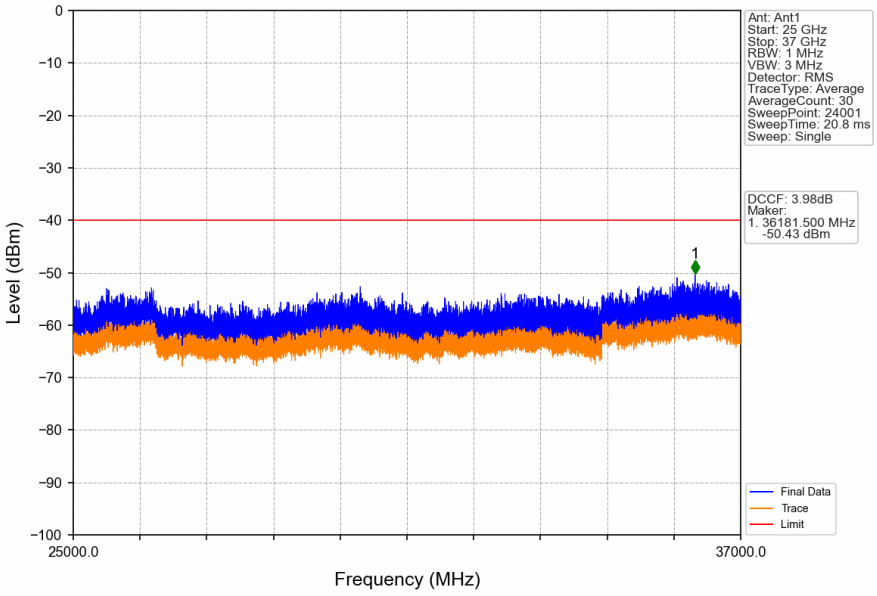
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



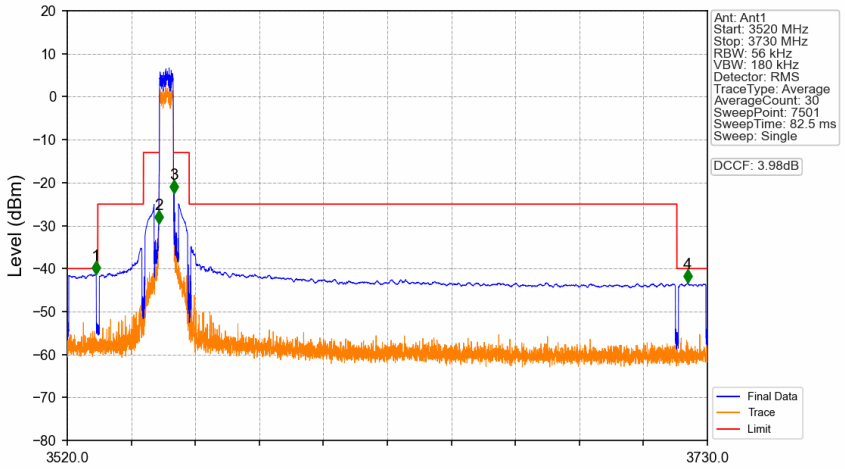
Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_LCH_3552.5MHz_RB_1_0_NTNV

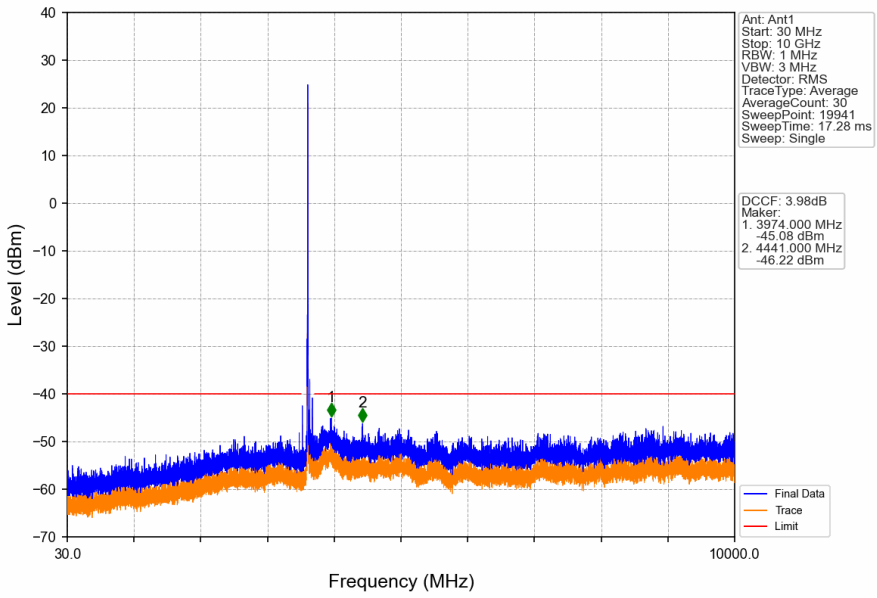


Band48_5MHz_QPSK_LCH_3552.5MHz_RB_25_0_NTNV

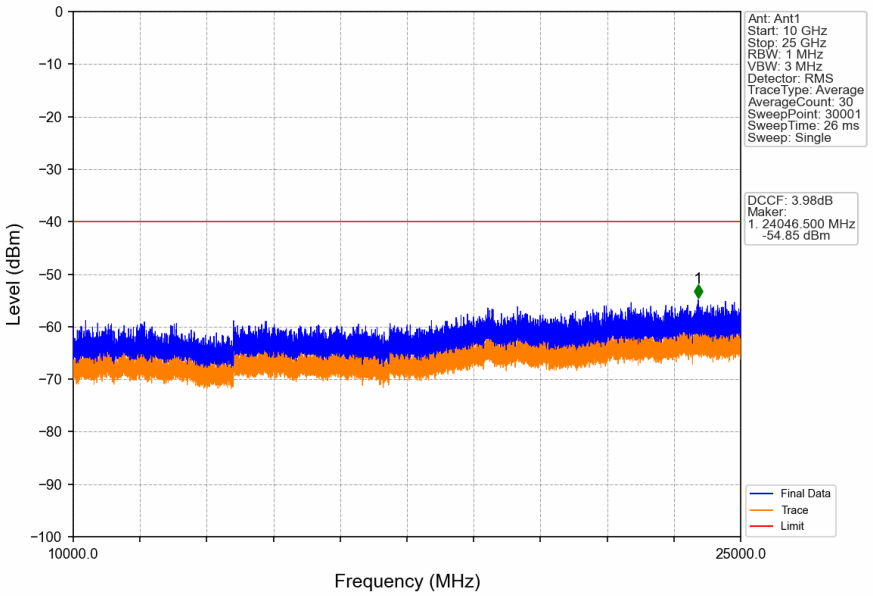


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3529.408	-41.38	-40	Pass
3549	3550	0.056	/	2	3549.988	-29.55	-13	Pass
3550	3555	0.056	/	/	/	/	/	/
3555	3556	0.056	/	3	3555.000	-22.45	-13	Pass
3556	3730	1	CHP	4	3723.476	-43.36	-40	Pass

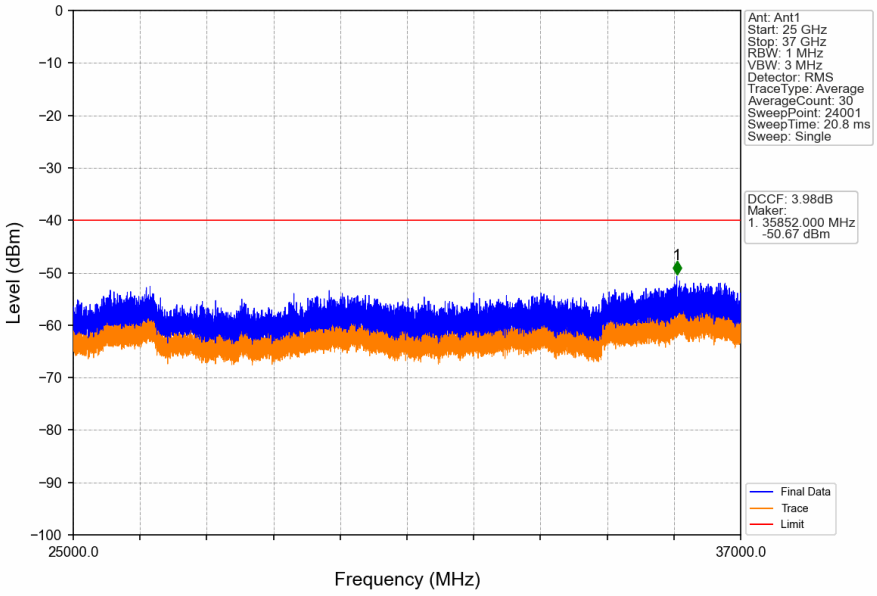
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



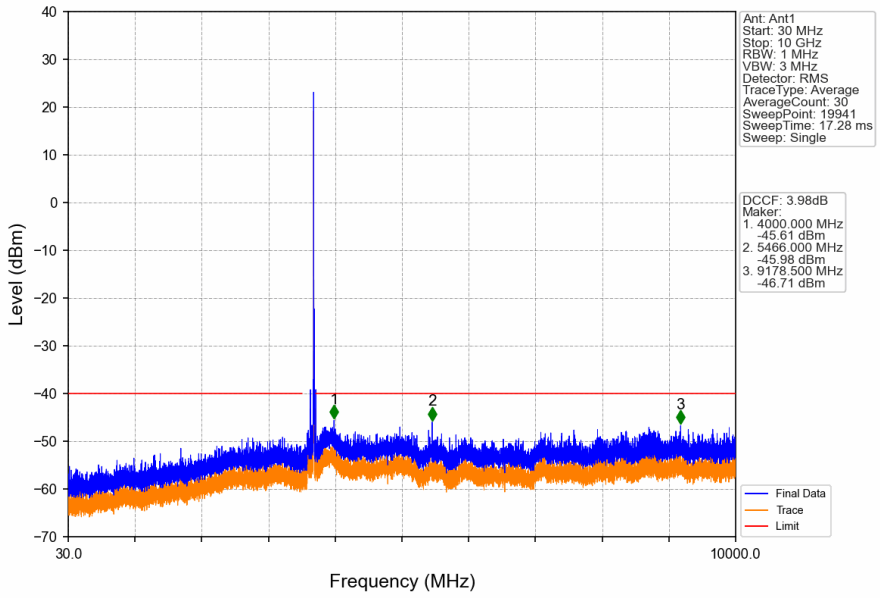
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



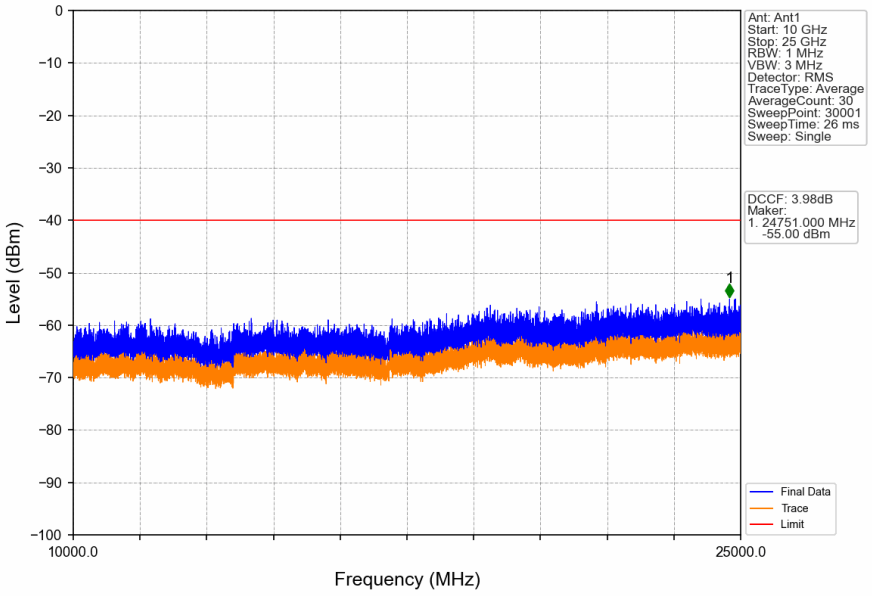
Band48_5MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



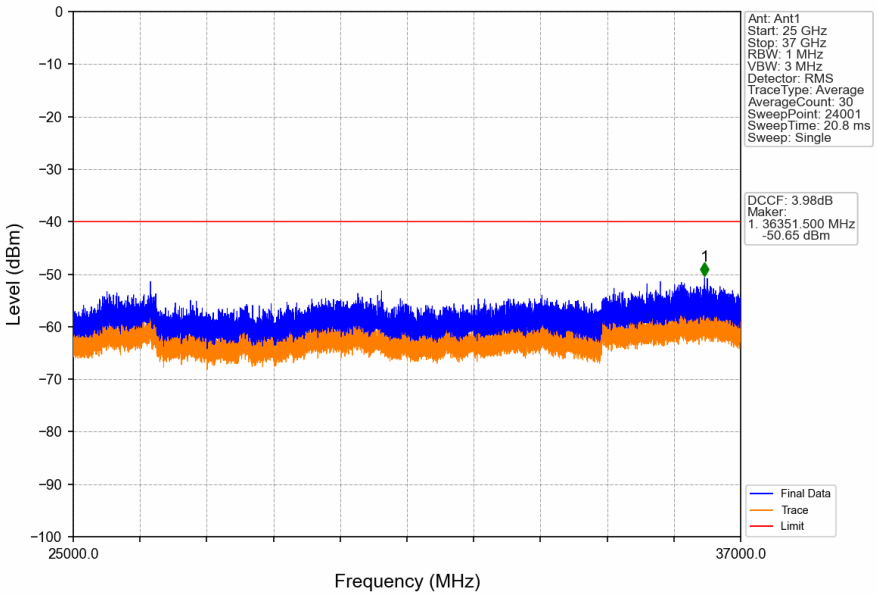
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



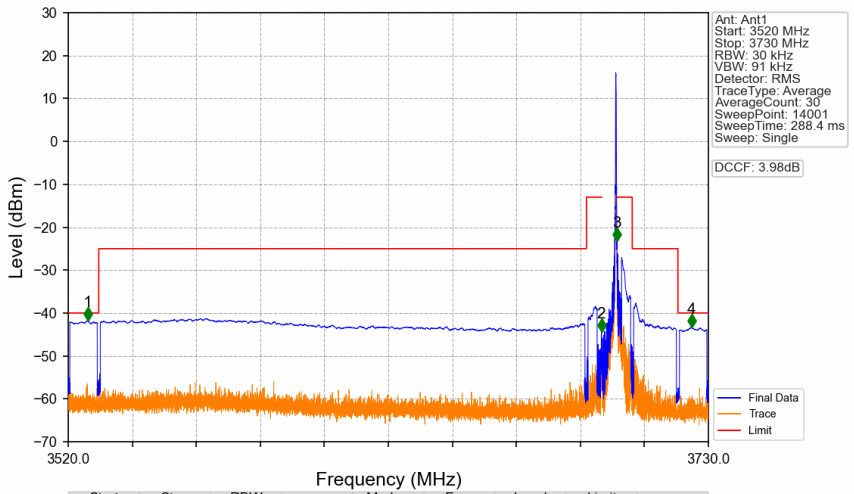
Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV



Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_0_NTNV

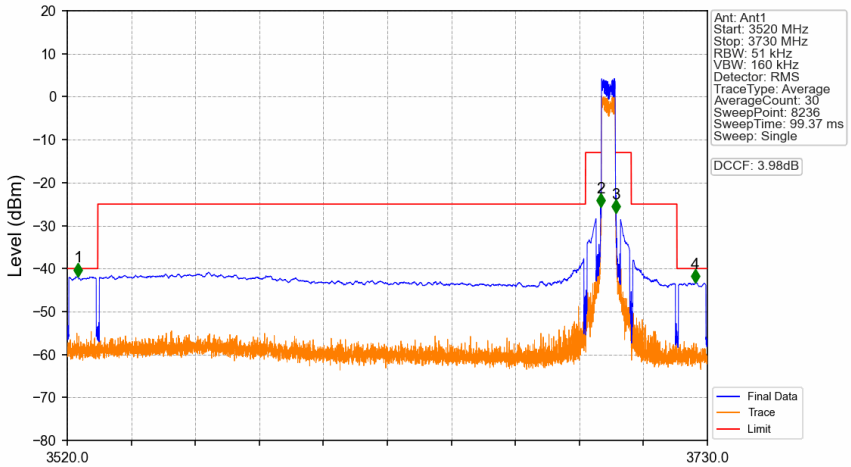


Band48_5MHz_QPSK_HCH_3697.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694	1	CHP	1	3526.360	-41.74	-40	Pass
3694	3695	0.03	/	2	3694.915	-44.47	-13	Pass
3695	3700	0.03	/	/	/	/	/	/
3700	3701	0.03	/	3	3700.000	-23.25	-13	Pass
3701	3730	1	CHP	4	3724.465	-43.32	-40	Pass

Band48_5MHz_QPSK_HCH_3697.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3694	1	CHP	1	3523.570	-41.84	-40	Pass
3694	3695	0.051	/	2	3694.987	-25.76	-13	Pass
3695	3700	0.051	/	/	/	/	/	/
3700	3701	0.051	/	3	3700.062	-27.12	-13	Pass
3701	3730	1	CHP	4	3725.920	-43.33	-40	Pass

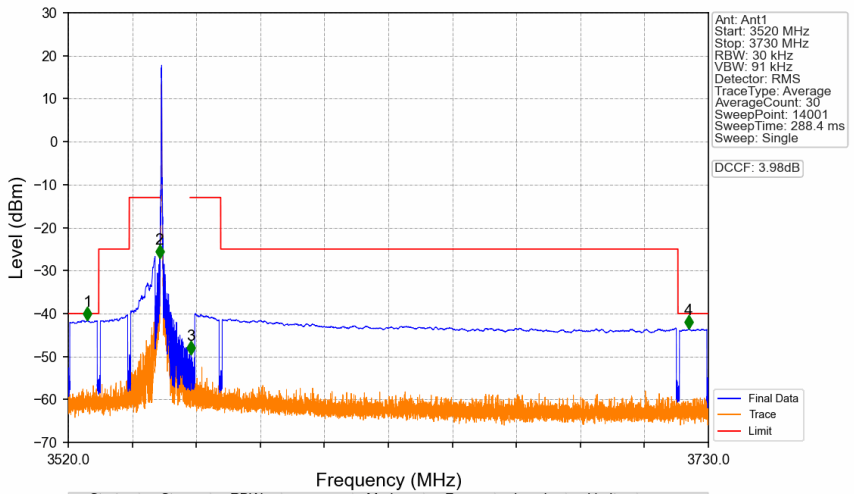
5.2 B48_10MHz

5.2.1 Test Result

Band: 48 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3555	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	3625	1	0	Refer To Test Graph		Pass
	3695	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

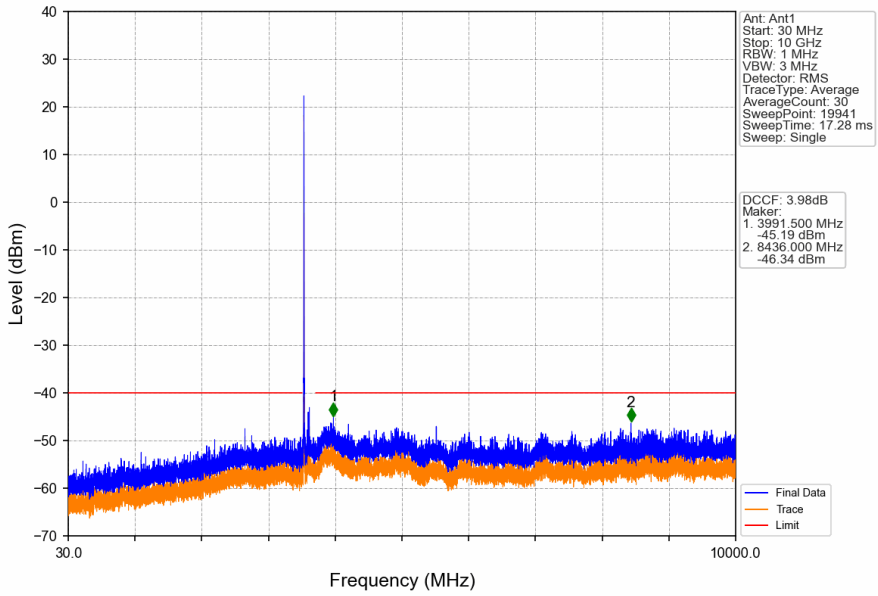
5.2.2 Test Graph

Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

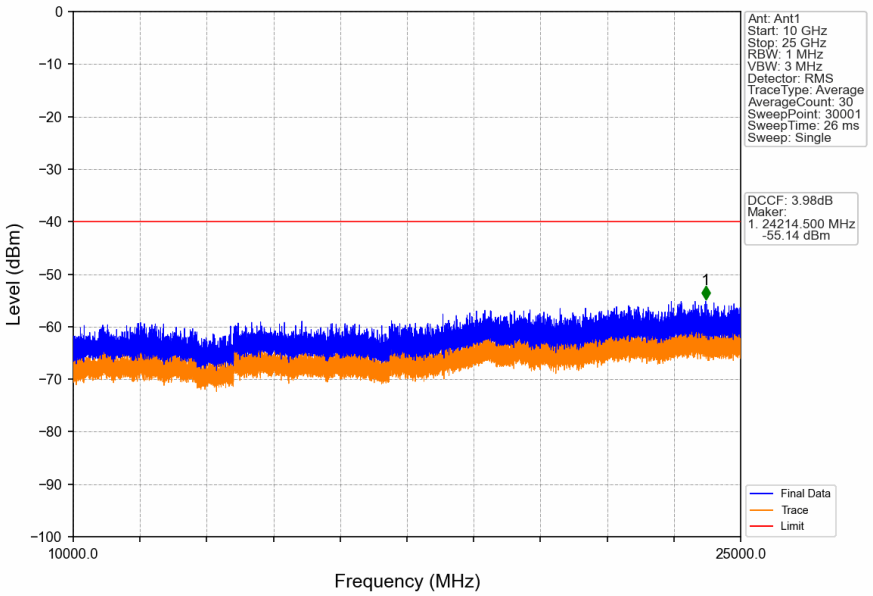


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3526.240	-41.61	-40	Pass
3549	3550	0.03	/	2	3549.940	-27.10	-13	Pass
3550	3560	0.03	/	/	/	/	/	/
3560	3561	0.03	/	3	3560.275	-49.56	-13	Pass
3561	3730	1	CHP	4	3723.445	-43.62	-40	Pass

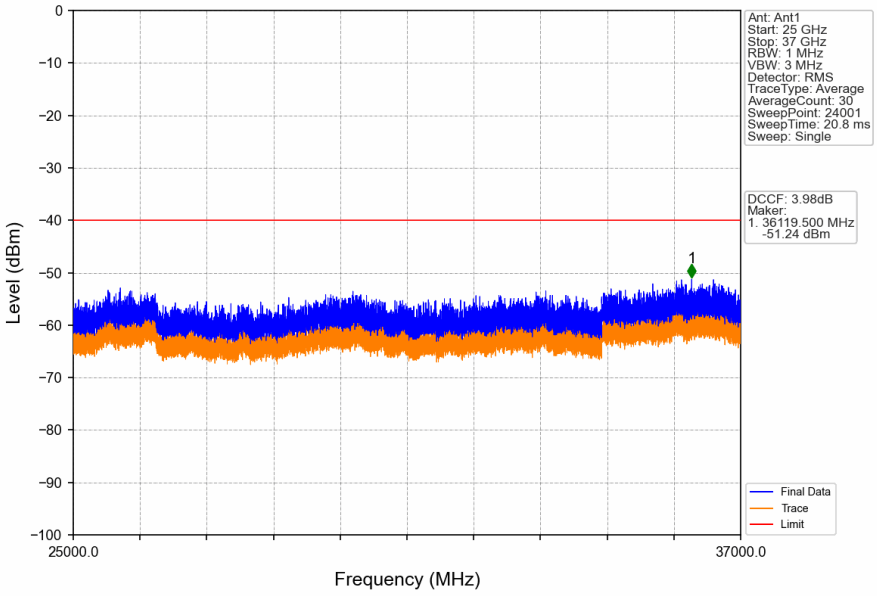
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



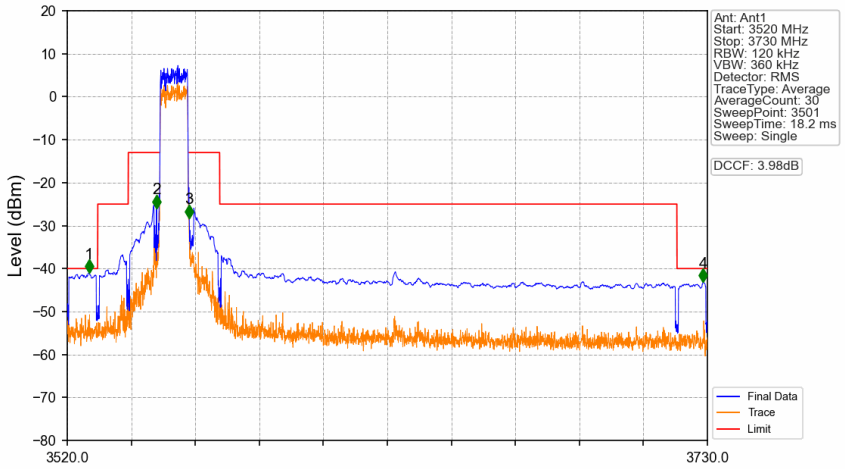
Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_LCH_3555MHz_RB_1_0_NTNV

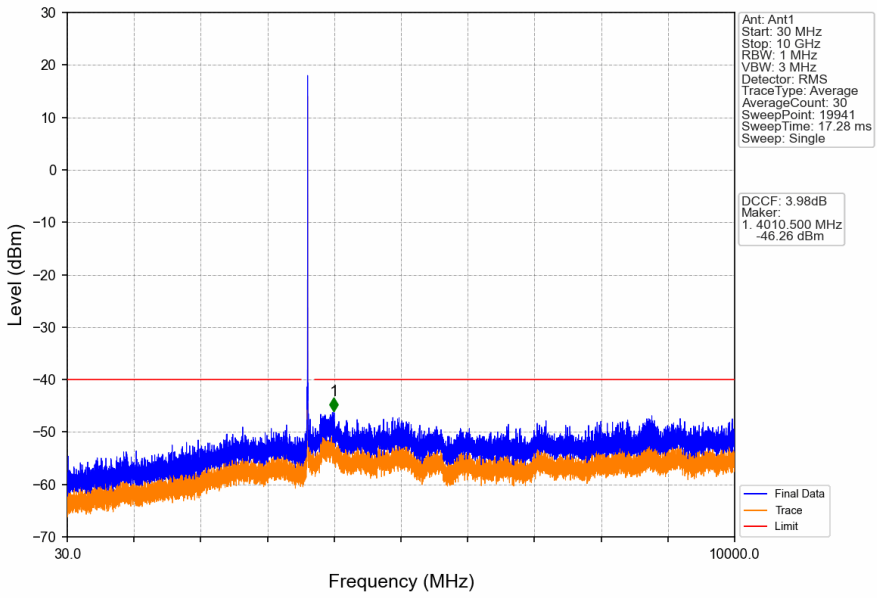


Band48_10MHz_QPSK_LCH_3555MHz_RB_50_0_NTNV

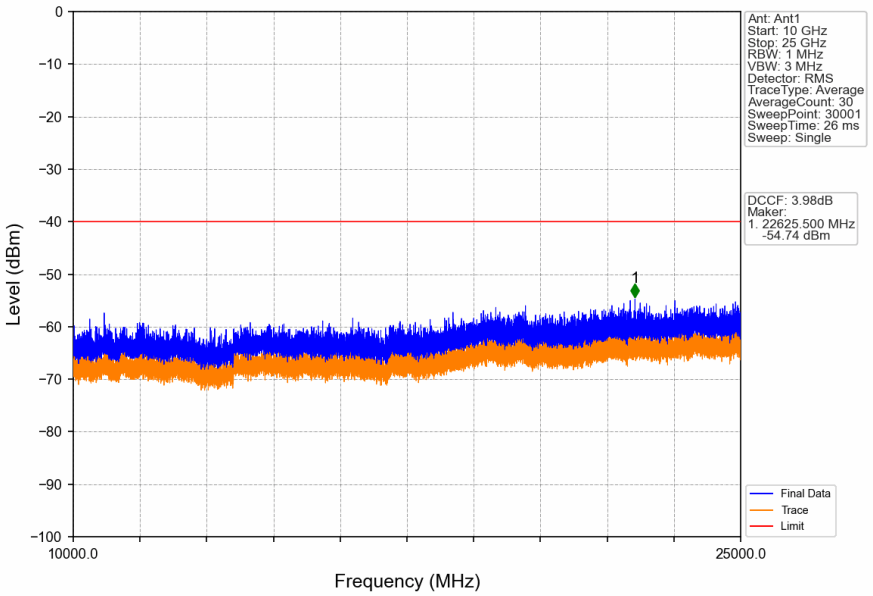


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
3520	3549	1	CHP	1	3527.140	-41.06	-40	Pass
3549	3550	0.12	/	2	3549.280	-25.95	-13	Pass
3550	3560	0.12	/	/	/	/	/	/
3560	3561	0.12	/	3	3560.020	-28.26	-13	Pass
3561	3730	1	CHP	4	3728.620	-43.18	-40	Pass

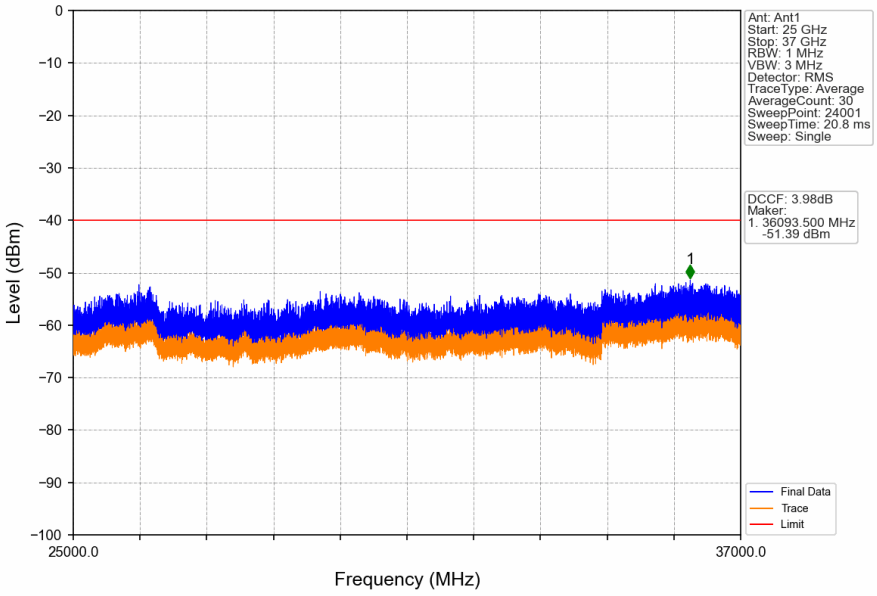
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



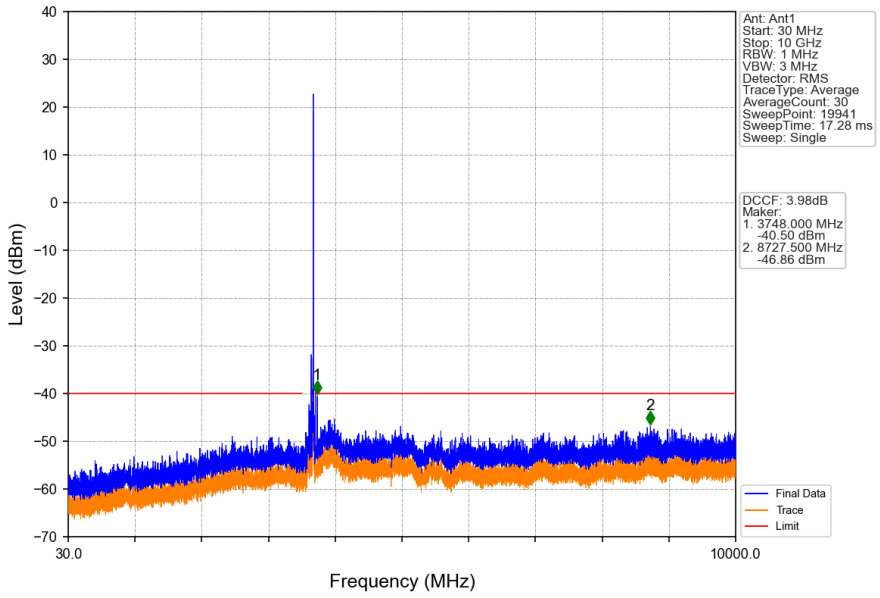
Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_MCH_3625MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV



Band48_10MHz_QPSK_HCH_3695MHz_RB_1_0_NTNV