Appendix A.18

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B71_5MHz_ERP

Band: 71 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	665.5	1	0	23.10	-0.75	20.20	<=34.77	Pass
			13	22.96	-0.75	20.06	<=34.77	Pass
			24	22.94	-0.75	20.04	<=34.77	Pass
		12	0	21.92	-0.75	19.02	<=34.77	Pass
			6	21.83	-0.75	18.93	<=34.77	Pass
			13	21.97	-0.75	19.07	<=34.77	Pass
		25	0	21.97	-0.75	19.07	<=34.77	Pass
	680.5	1	0	22.75	-0.75	19.85	<=34.77	Pass
			13	22.91	-0.75	20.01	<=34.77	Pass
			24	22.74	-0.75	19.84	<=34.77	Pass
		12	0	21.76	-0.75	18.86	<=34.77	Pass
			6	21.93	-0.75	19.03	<=34.77	Pass
			13	21.80	-0.75	18.90	<=34.77	Pass
		25	0	21.87	-0.75	18.97	<=34.77	Pass
	695.5	1	0	22.72	-0.75	19.82	<=34.77	Pass
			13	22.87	-0.75	19.97	<=34.77	Pass
			24	22.83	-0.75	19.93	<=34.77	Pass
		12	0	21.73	-0.75	18.83	<=34.77	Pass
			6	21.86	-0.75	18.96	<=34.77	Pass
			13	21.80	-0.75	18.90	<=34.77	Pass
		25	0	21.75	-0.75	18.85	<=34.77	Pass
16QAM	665.5	1	0	22.26	-0.75	19.36	<=34.77	Pass
			13	22.13	-0.75	19.23	<=34.77	Pass
			24	22.08	-0.75	19.18	<=34.77	Pass
		12	0	21.04	-0.75	18.14	<=34.77	Pass
			6	21.02	-0.75	18.12	<=34.77	Pass
			13	20.96	-0.75	18.06	<=34.77	Pass
		25	0	20.95	-0.75	18.05	<=34.77	Pass
	680.5	1	0	22.21	-0.75	19.31	<=34.77	Pass
			13	22.19	-0.75	19.29	<=34.77	Pass
			24	22.00	-0.75	19.10	<=34.77	Pass
		12	0	20.86	-0.75	17.96	<=34.77	Pass
			6	20.95	-0.75	18.05	<=34.77	Pass
			13	20.86	-0.75	17.96	<=34.77	Pass
		25	0	20.90	-0.75	18.00	<=34.77	Pass
	695.5	1	0	22.18	-0.75	19.28	<=34.77	Pass
			13	22.20	-0.75	19.30	<=34.77	Pass
			24	21.97	-0.75	19.07	<=34.77	Pass
		12	0	20.76	-0.75	17.86	<=34.77	Pass
			6	20.89	-0.75	17.99	<=34.77	Pass

			13	20.72	-0.75	17.82	<=34.77	Pass
		25	0	20.77	-0.75	17.87	<=34.77	Pass
64QAM	665.5	1	0	22.18	-0.75	19.28	<=34.77	Pass
			13	22.21	-0.75	19.31	<=34.77	Pass
			24	21.88	-0.75	18.98	<=34.77	Pass
		12	0	21.07	-0.75	18.17	<=34.77	Pass
			6	21.02	-0.75	18.12	<=34.77	Pass
			13	20.98	-0.75	18.08	<=34.77	Pass
		25	0	20.95	-0.75	18.05	<=34.77	Pass
	680.5	1	0	22.01	-0.75	19.11	<=34.77	Pass
			13	21.89	-0.75	18.99	<=34.77	Pass
			24	21.92	-0.75	19.02	<=34.77	Pass
		12	0	20.85	-0.75	17.95	<=34.77	Pass
			6	20.98	-0.75	18.08	<=34.77	Pass
			13	20.87	-0.75	17.97	<=34.77	Pass
		25	0	20.88	-0.75	17.98	<=34.77	Pass
	695.5	1	0	21.88	-0.75	18.98	<=34.77	Pass
			13	21.89	-0.75	18.99	<=34.77	Pass
			24	21.85	-0.75	18.95	<=34.77	Pass
		12	0	20.78	-0.75	17.88	<=34.77	Pass
			6	20.87	-0.75	17.97	<=34.77	Pass
			13	20.71	-0.75	17.81	<=34.77	Pass
		25	0	20.79	-0.75	17.89	<=34.77	Pass
256QAM	665.5	1	0	18.06	-0.75	15.16	<=34.77	Pass
			13	18.00	-0.75	15.10	<=34.77	Pass
			24	17.90	-0.75	15.00	<=34.77	Pass
		12	0	17.98	-0.75	15.08	<=34.77	Pass
			6	18.03	-0.75	15.13	<=34.77	Pass
			13	17.97	-0.75	15.07	<=34.77	Pass
		25	0	17.94	-0.75	15.04	<=34.77	Pass
	680.5	1	0	18.00	-0.75	15.10	<=34.77	Pass
			13	18.01	-0.75	15.11	<=34.77	Pass
			24	17.80	-0.75	14.90	<=34.77	Pass
		12	0	17.90	-0.75	15.00	<=34.77	Pass
			6	17.96	-0.75	15.06	<=34.77	Pass
			13	17.86	-0.75	14.96	<=34.77	Pass
		25	0	17.86	-0.75	14.96	<=34.77	Pass
	695.5	1	0	17.76	-0.75	14.86	<=34.77	Pass
			13	18.02	-0.75	15.12	<=34.77	Pass
			24	17.96	-0.75	15.06	<=34.77	Pass
		12	0	17.79	-0.75	14.89	<=34.77	Pass
			6	17.83	-0.75	14.93	<=34.77	Pass
			13	17.83	-0.75	14.93	<=34.77	Pass
		25	0	17.80	-0.75	14.90	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B71_10MHz_ERP

Band: 71 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	668	1	0	22.86	-0.75	19.96	<=34.77	Pass
			25	23.11	-0.75	20.21	<=34.77	Pass
			49	23.04	-0.75	20.14	<=34.77	Pass
		25	0	21.86	-0.75	18.96	<=34.77	Pass
			13	21.89	-0.75	18.99	<=34.77	Pass
			25	21.90	-0.75	19.00	<=34.77	Pass
		50	0	21.97	-0.75	19.07	<=34.77	Pass
	680.5	1	0	22.96	-0.75	20.06	<=34.77	Pass
			25	22.86	-0.75	19.96	<=34.77	Pass
			49	22.78	-0.75	19.88	<=34.77	Pass
		25	0	21.79	-0.75	18.89	<=34.77	Pass
			13	21.89	-0.75	18.99	<=34.77	Pass
			25	21.86	-0.75	18.96	<=34.77	Pass
		50	0	21.82	-0.75	18.92	<=34.77	Pass
	693	1	0	22.85	-0.75	19.95	<=34.77	Pass
			25	22.74	-0.75	19.84	<=34.77	Pass
			49	22.77	-0.75	19.87	<=34.77	Pass
		25	0	21.69	-0.75	18.79	<=34.77	Pass
			13	21.69	-0.75	18.79	<=34.77	Pass
			25	21.80	-0.75	18.90	<=34.77	Pass
		50	0	21.71	-0.75	18.81	<=34.77	Pass
16QAM	668	1	0	22.14	-0.75	19.24	<=34.77	Pass
			25	22.16	-0.75	19.26	<=34.77	Pass
			49	22.27	-0.75	19.37	<=34.77	Pass
		25	0	20.86	-0.75	17.96	<=34.77	Pass
			13	21.08	-0.75	18.18	<=34.77	Pass
			25	21.04	-0.75	18.14	<=34.77	Pass
		50	0	21.07	-0.75	18.17	<=34.77	Pass
	680.5	1	0	22.03	-0.75	19.13	<=34.77	Pass
			25	22.07	-0.75	19.17	<=34.77	Pass
			49	22.02	-0.75	19.12	<=34.77	Pass
		25	0	20.79	-0.75	17.89	<=34.77	Pass
			13	20.79	-0.75	17.89	<=34.77	Pass
			25	20.83	-0.75	17.93	<=34.77	Pass
		50	0	20.93	-0.75	18.03	<=34.77	Pass
	693	1	0	21.99	-0.75	19.09	<=34.77	Pass
			25	21.94	-0.75	19.04	<=34.77	Pass
			49	22.14	-0.75	19.24	<=34.77	Pass
		25	0	20.77	-0.75	17.87	<=34.77	Pass
			13	20.77	-0.75	17.87	<=34.77	Pass
			25	20.80	-0.75	17.90	<=34.77	Pass
		50	0	20.72	-0.75	17.82	<=34.77	Pass
64QAM	668	1	0	21.88	-0.75	18.98	<=34.77	Pass
			25	22.03	-0.75	19.13	<=34.77	Pass
			49	22.12	-0.75	19.22	<=34.77	Pass
		25	0	20.87	-0.75	17.97	<=34.77	Pass
			13	21.09	-0.75	18.19	<=34.77	Pass
			25	20.98	-0.75	18.08	<=34.77	Pass
		50	0	20.94	-0.75	18.04	<=34.77	Pass
	680.5	1	0	22.05	-0.75	19.15	<=34.77	Pass
			25	22.12	-0.75	19.22	<=34.77	Pass
			49	21.86	-0.75	18.96	<=34.77	Pass
		25	0	20.79	-0.75	17.89	<=34.77	Pass

			13	20.90	-0.75	18.00	<=34.77	Pass
			25	20.82	-0.75	17.92	<=34.77	Pass
		50	0	20.84	-0.75	17.94	<=34.77	Pass
	693	1	0	21.90	-0.75	19.00	<=34.77	Pass
			25	21.88	-0.75	18.98	<=34.77	Pass
			49	21.67	-0.75	18.77	<=34.77	Pass
		25	0	20.69	-0.75	17.79	<=34.77	Pass
			13	20.77	-0.75	17.87	<=34.77	Pass
			25	20.81	-0.75	17.91	<=34.77	Pass
		50	0	20.61	-0.75	17.71	<=34.77	Pass
256QAM	668	1	0	17.81	-0.75	14.91	<=34.77	Pass
			25	18.00	-0.75	15.10	<=34.77	Pass
			49	17.95	-0.75	15.05	<=34.77	Pass
		25	0	17.95	-0.75	15.05	<=34.77	Pass
			13	18.02	-0.75	15.12	<=34.77	Pass
			25	18.04	-0.75	15.14	<=34.77	Pass
		50	0	18.05	-0.75	15.15	<=34.77	Pass
	680.5	1	0	17.75	-0.75	14.85	<=34.77	Pass
			25	17.86	-0.75	14.96	<=34.77	Pass
			49	17.82	-0.75	14.92	<=34.77	Pass
		25	0	17.76	-0.75	14.86	<=34.77	Pass
			13	17.88	-0.75	14.98	<=34.77	Pass
			25	17.80	-0.75	14.90	<=34.77	Pass
		50	0	17.87	-0.75	14.97	<=34.77	Pass
	693	1	0	17.95	-0.75	15.05	<=34.77	Pass
			25	17.75	-0.75	14.85	<=34.77	Pass
			49	17.83	-0.75	14.93	<=34.77	Pass
		25	0	17.69	-0.75	14.79	<=34.77	Pass
			13	17.75	-0.75	14.85	<=34.77	Pass
			25	17.76	-0.75	14.86	<=34.77	Pass
		50	0	17.74	-0.75	14.84	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.3 B71_15MHz_ERP

Band: 71 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	670.5	1	0	22.89	-0.75	19.99	<=34.77	Pass
			38	23.41	-0.75	20.51	<=34.77	Pass
			74	22.83	-0.75	19.93	<=34.77	Pass
		36	0	21.76	-0.75	18.86	<=34.77	Pass
			18	21.92	-0.75	19.02	<=34.77	Pass
			39	21.98	-0.75	19.08	<=34.77	Pass
		75	0	21.99	-0.75	19.09	<=34.77	Pass
	680.5	1	0	22.72	-0.75	19.82	<=34.77	Pass
			38	22.75	-0.75	19.85	<=34.77	Pass
			74	22.70	-0.75	19.80	<=34.77	Pass
		36	0	21.77	-0.75	18.87	<=34.77	Pass
			18	21.85	-0.75	18.95	<=34.77	Pass
			39	21.77	-0.75	18.87	<=34.77	Pass

		75	0	21.82	-0.75	18.92	<=34.77	Pass
	690.5	1	0	23.10	-0.75	20.20	<=34.77	Pass
			38	22.70	-0.75	19.80	<=34.77	Pass
			74	22.53	-0.75	19.63	<=34.77	Pass
		36	0	21.74	-0.75	18.84	<=34.77	Pass
			18	21.74	-0.75	18.84	<=34.77	Pass
			39	21.69	-0.75	18.79	<=34.77	Pass
		75	0	21.75	-0.75	18.85	<=34.77	Pass
16QAM	670.5	1	0	22.10	-0.75	19.20	<=34.77	Pass
			38	22.17	-0.75	19.27	<=34.77	Pass
			74	21.94	-0.75	19.04	<=34.77	Pass
		36	0	20.84	-0.75	17.94	<=34.77	Pass
			18	21.00	-0.75	18.10	<=34.77	Pass
			39	20.96	-0.75	18.06	<=34.77	Pass
		75	0	20.91	-0.75	18.01	<=34.77	Pass
	680.5	1	0	22.20	-0.75	19.30	<=34.77	Pass
			38	21.97	-0.75	19.07	<=34.77	Pass
			74	21.90	-0.75	19.00	<=34.77	Pass
		36	0	20.80	-0.75	17.90	<=34.77	Pass
			18	20.86	-0.75	17.96	<=34.77	Pass
			39	20.85	-0.75	17.95	<=34.77	Pass
		75	0	20.83	-0.75	17.93	<=34.77	Pass
	690.5	1	0	21.99	-0.75	19.09	<=34.77	Pass
			38	21.89	-0.75	18.99	<=34.77	Pass
			74	22.03	-0.75	19.13	<=34.77	Pass
		36	0	20.72	-0.75	17.82	<=34.77	Pass
			18	20.74	-0.75	17.84	<=34.77	Pass
			39	20.76	-0.75	17.86	<=34.77	Pass
		75	0	20.75	-0.75	17.85	<=34.77	Pass
64QAM	670.5	1	0	22.19	-0.75	19.29	<=34.77	Pass
			38	21.92	-0.75	19.02	<=34.77	Pass
			74	21.92	-0.75	19.02	<=34.77	Pass
		36	0	20.83	-0.75	17.93	<=34.77	Pass
			18	20.92	-0.75	18.02	<=34.77	Pass
			39	20.88	-0.75	17.98	<=34.77	Pass
		75	0	20.90	-0.75	18.00	<=34.77	Pass
	680.5	1	0	21.99	-0.75	19.09	<=34.77	Pass
			38	21.77	-0.75	18.87	<=34.77	Pass
			74	21.85	-0.75	18.95	<=34.77	Pass
		36	0	20.79	-0.75	17.89	<=34.77	Pass
			18	20.85	-0.75	17.95	<=34.77	Pass
			39	20.75	-0.75	17.85	<=34.77	Pass
		75	0	20.81	-0.75	17.91	<=34.77	Pass
	690.5	1	0	21.85	-0.75	18.95	<=34.77	Pass
			38	21.67	-0.75	18.77	<=34.77	Pass
			74	21.56	-0.75	18.66	<=34.77	Pass
		36	0	20.68	-0.75	17.78	<=34.77	Pass
			18	20.76	-0.75	17.86	<=34.77	Pass
			39	20.77	-0.75	17.87	<=34.77	Pass
		75	0	20.84	-0.75	17.94	<=34.77	Pass
256QAM	670.5	1	0	18.03	-0.75	15.13	<=34.77	Pass
			38	18.08	-0.75	15.18	<=34.77	Pass
			74	17.83	-0.75	14.93	<=34.77	Pass

		36	0	17.94	-0.75	15.04	<=34.77	Pass
			18	18.15	-0.75	15.25	<=34.77	Pass
			39	17.97	-0.75	15.07	<=34.77	Pass
		75	0	17.99	-0.75	15.09	<=34.77	Pass
	680.5	1	0	17.81	-0.75	14.91	<=34.77	Pass
			38	17.82	-0.75	14.92	<=34.77	Pass
			74	17.53	-0.75	14.63	<=34.77	Pass
		36	0	17.85	-0.75	14.95	<=34.77	Pass
			18	17.86	-0.75	14.96	<=34.77	Pass
			39	17.79	-0.75	14.89	<=34.77	Pass
		75	0	17.81	-0.75	14.91	<=34.77	Pass
	690.5	1	0	17.83	-0.75	14.93	<=34.77	Pass
			38	17.89	-0.75	14.99	<=34.77	Pass
			74	17.69	-0.75	14.79	<=34.77	Pass
		36	0	17.75	-0.75	14.85	<=34.77	Pass
			18	17.80	-0.75	14.90	<=34.77	Pass
			39	17.72	-0.75	14.82	<=34.77	Pass
		75	0	17.87	-0.75	14.97	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.4 B71_20MHz_ERP

Band: 71 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	673	1	0	22.94	-0.75	20.04	<=34.77	Pass
			50	23.07	-0.75	20.17	<=34.77	Pass
			99	22.73	-0.75	19.83	<=34.77	Pass
		50	0	21.94	-0.75	19.04	<=34.77	Pass
			25	21.99	-0.75	19.09	<=34.77	Pass
			50	21.94	-0.75	19.04	<=34.77	Pass
		100	0	21.99	-0.75	19.09	<=34.77	Pass
	683	1	0	22.83	-0.75	19.93	<=34.77	Pass
			50	22.82	-0.75	19.92	<=34.77	Pass
			99	22.83	-0.75	19.93	<=34.77	Pass
		50	0	21.82	-0.75	18.92	<=34.77	Pass
			25	21.76	-0.75	18.86	<=34.77	Pass
			50	21.80	-0.75	18.90	<=34.77	Pass
		100	0	21.81	-0.75	18.91	<=34.77	Pass
	688	1	0	23.19	-0.75	20.29	<=34.77	Pass
			50	22.64	-0.75	19.74	<=34.77	Pass
			99	22.93	-0.75	20.03	<=34.77	Pass
		50	0	21.77	-0.75	18.87	<=34.77	Pass
			25	21.77	-0.75	18.87	<=34.77	Pass
			50	21.75	-0.75	18.85	<=34.77	Pass
		100	0	21.73	-0.75	18.83	<=34.77	Pass
16QAM	673	1	0	21.93	-0.75	19.03	<=34.77	Pass
			50	22.01	-0.75	19.11	<=34.77	Pass
			99	21.96	-0.75	19.06	<=34.77	Pass
		50	0	20.86	-0.75	17.96	<=34.77	Pass
			25	21.09	-0.75	18.19	<=34.77	Pass

			50	21.00	-0.75	18.10	<=34.77	Pass
		100	0	21.04	-0.75	18.14	<=34.77	Pass
	683	1	0	22.12	-0.75	19.22	<=34.77	Pass
			50	21.98	-0.75	19.08	<=34.77	Pass
			99	21.75	-0.75	18.85	<=34.77	Pass
		50	0	20.80	-0.75	17.90	<=34.77	Pass
			25	20.69	-0.75	17.79	<=34.77	Pass
			50	20.69	-0.75	17.79	<=34.77	Pass
		100	0	20.86	-0.75	17.96	<=34.77	Pass
	688	1	0	21.91	-0.75	19.01	<=34.77	Pass
			50	21.90	-0.75	19.00	<=34.77	Pass
			99	21.88	-0.75	18.98	<=34.77	Pass
		50	0	20.73	-0.75	17.83	<=34.77	Pass
			25	20.70	-0.75	17.80	<=34.77	Pass
			50	20.76	-0.75	17.86	<=34.77	Pass
		100	0	20.68	-0.75	17.78	<=34.77	Pass
64QAM	673	1	0	22.08	-0.75	19.18	<=34.77	Pass
			50	22.13	-0.75	19.23	<=34.77	Pass
			99	21.90	-0.75	19.00	<=34.77	Pass
		50	0	20.91	-0.75	18.01	<=34.77	Pass
			25	20.97	-0.75	18.07	<=34.77	Pass
			50	20.93	-0.75	18.03	<=34.77	Pass
		100	0	20.99	-0.75	18.09	<=34.77	Pass
	683	1	0	21.82	-0.75	18.92	<=34.77	Pass
			50	21.90	-0.75	19.00	<=34.77	Pass
			99	21.77	-0.75	18.87	<=34.77	Pass
		50	0	20.80	-0.75	17.90	<=34.77	Pass
			25	20.78	-0.75	17.88	<=34.77	Pass
			50	20.68	-0.75	17.78	<=34.77	Pass
		100	0	20.85	-0.75	17.95	<=34.77	Pass
	688	1	0	22.04	-0.75	19.14	<=34.77	Pass
			50	21.88	-0.75	18.98	<=34.77	Pass
			99	21.50	-0.75	18.60	<=34.77	Pass
		50	0	20.82	-0.75	17.92	<=34.77	Pass
			25	20.62	-0.75	17.72	<=34.77	Pass
			50	20.66	-0.75	17.76	<=34.77	Pass
		100	0	20.68	-0.75	17.78	<=34.77	Pass
256QAM	673	1	0	17.86	-0.75	14.96	<=34.77	Pass
			50	17.96	-0.75	15.06	<=34.77	Pass
			99	17.83	-0.75	14.93	<=34.77	Pass
		50	0	17.90	-0.75	15.00	<=34.77	Pass
			25	17.97	-0.75	15.07	<=34.77	Pass
			50	17.89	-0.75	14.99	<=34.77	Pass
		100	0	17.88	-0.75	14.98	<=34.77	Pass
	683	1	0	17.81	-0.75	14.91	<=34.77	Pass
			50	17.94	-0.75	15.04	<=34.77	Pass
			99	17.66	-0.75	14.76	<=34.77	Pass
		50	0	17.87	-0.75	14.97	<=34.77	Pass
			25	17.66	-0.75	14.76	<=34.77	Pass
			50	17.71	-0.75	14.81	<=34.77	Pass
		100	0	17.78	-0.75	14.88	<=34.77	Pass
	688	1	0	17.75	-0.75	14.85	<=34.77	Pass
			50	17.86	-0.75	14.96	<=34.77	Pass

			99	17.59	-0.75	14.69	<=34.77	Pass
		50	0	17.82	-0.75	14.92	<=34.77	Pass
			25	17.76	-0.75	14.86	<=34.77	Pass
			50	17.71	-0.75	14.81	<=34.77	Pass
		100	0	17.66	-0.75	14.76	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B71_10MHz

Band: 71 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	680.5	50	0	20	3.27	-1.000	-0.0015	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	1.100	0.0016	-2.5 to 2.5	Pass
				-30	3.85	-1.000	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	1.300	0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.700	0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.400	-0.0006	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.800	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.600	-0.0009	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band71_OBW

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	4.486	/	Pass
	16QAM	680.5	25	0	4.481	/	Pass
	64QAM	680.5	25	0	4.486	/	Pass
	256QAM	680.5	25	0	4.481	/	Pass
10	QPSK	680.5	50	0	8.960	/	Pass
	16QAM	680.5	50	0	8.966	/	Pass
	64QAM	680.5	50	0	8.968	/	Pass
	256QAM	680.5	50	0	8.996	/	Pass
15	QPSK	680.5	75	0	13.423	/	Pass
	16QAM	680.5	75	0	13.447	/	Pass

	64QAM	680.5	75	0	13.419	/	Pass
	256QAM	680.5	75	0	13.434	/	Pass
20	QPSK	683	100	0	17.880	/	Pass
	16QAM	683	100	0	17.851	/	Pass
	64QAM	683	100	0	17.874	/	Pass
	256QAM	683	100	0	17.880	/	Pass

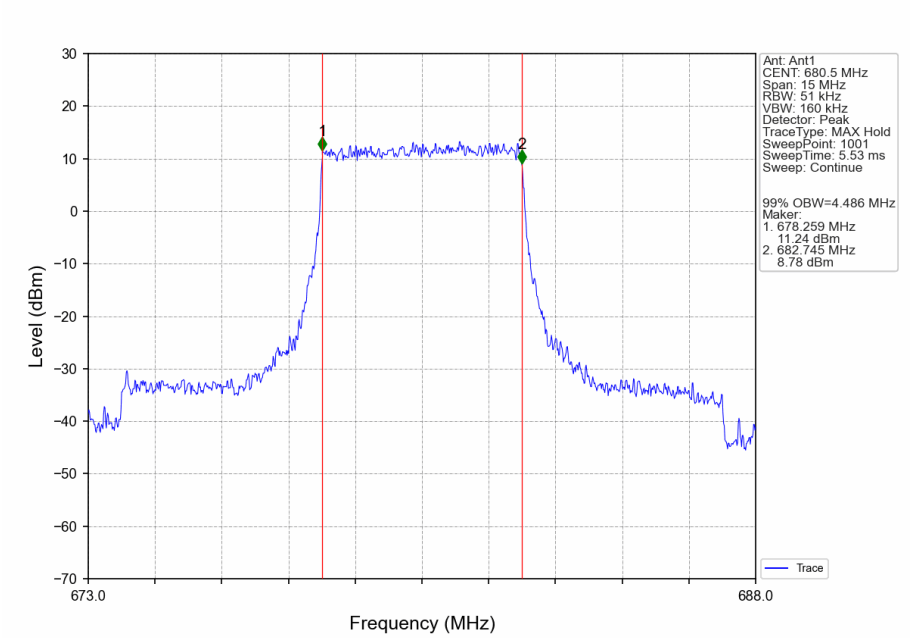
3.1.2 Band71_XDB

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	680.5	25	0	5.013	/	Pass
	16QAM	680.5	25	0	4.994	/	Pass
	64QAM	680.5	25	0	5.007	/	Pass
	256QAM	680.5	25	0	4.978	/	Pass
10	QPSK	680.5	50	0	9.999	/	Pass
	16QAM	680.5	50	0	9.915	/	Pass
	64QAM	680.5	50	0	9.739	/	Pass
	256QAM	680.5	50	0	9.921	/	Pass
15	QPSK	680.5	75	0	14.660	/	Pass
	16QAM	680.5	75	0	14.696	/	Pass
	64QAM	680.5	75	0	14.702	/	Pass
	256QAM	680.5	75	0	14.557	/	Pass
20	QPSK	683	100	0	19.339	/	Pass
	16QAM	683	100	0	19.485	/	Pass
	64QAM	683	100	0	19.384	/	Pass
	256QAM	683	100	0	19.320	/	Pass

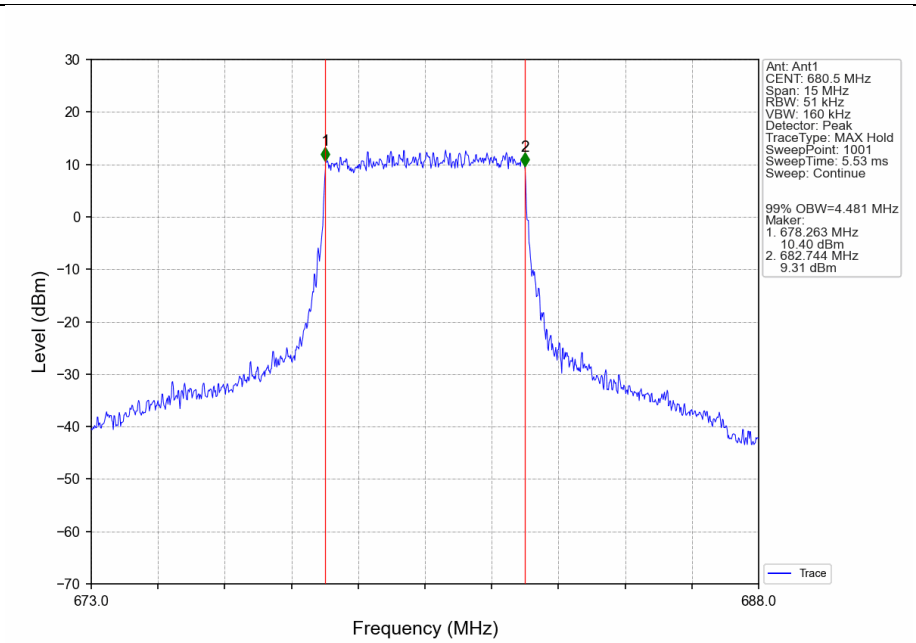
3.2 Test Graph

3.2.1 Band71_OBW

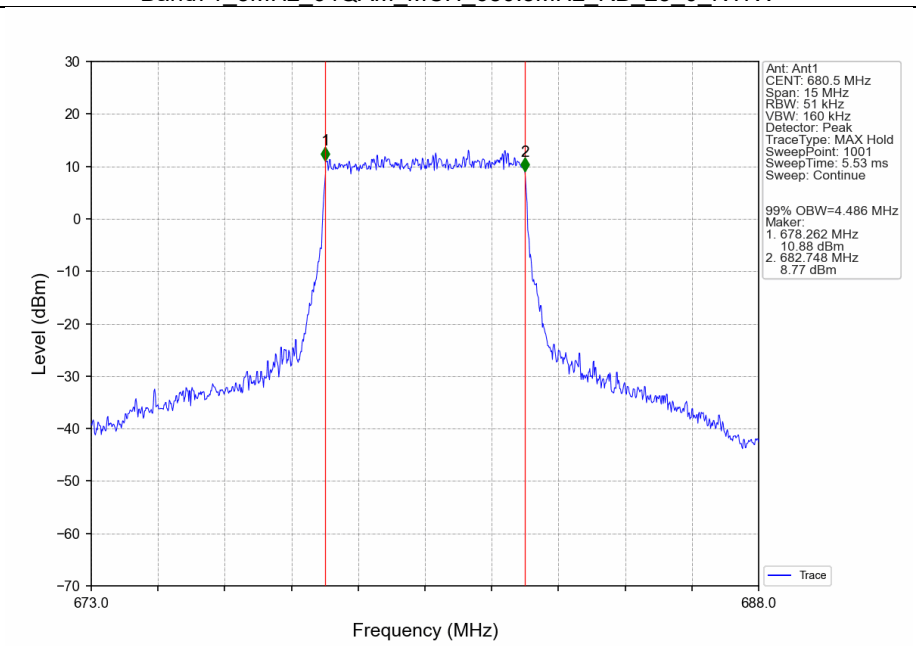
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



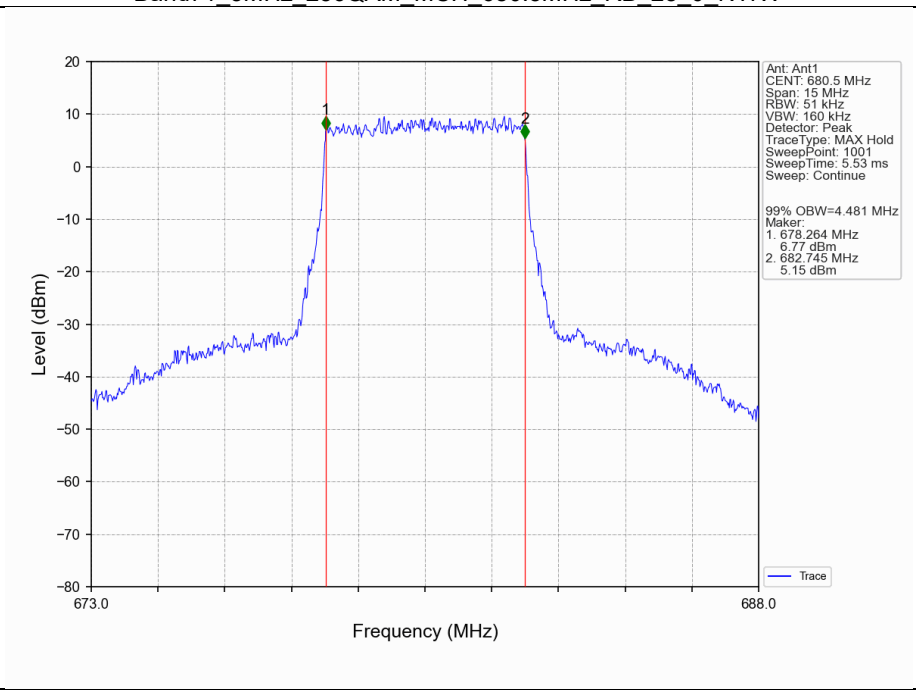
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV


Ant: Ant1
CENT: 680.5 MHz
Span: 15 MHz
RBW: 51 kHz
VBW: 160 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 5.53 ms
Sweep: Continue
99% OBW=4.481 MHz
Maker:
1. 678.263 MHz
10.40 dBm
2. 682.744 MHz
9.31 dBm
Trace
Level (dBm)
Frequency (MHz)
673.0
688.0

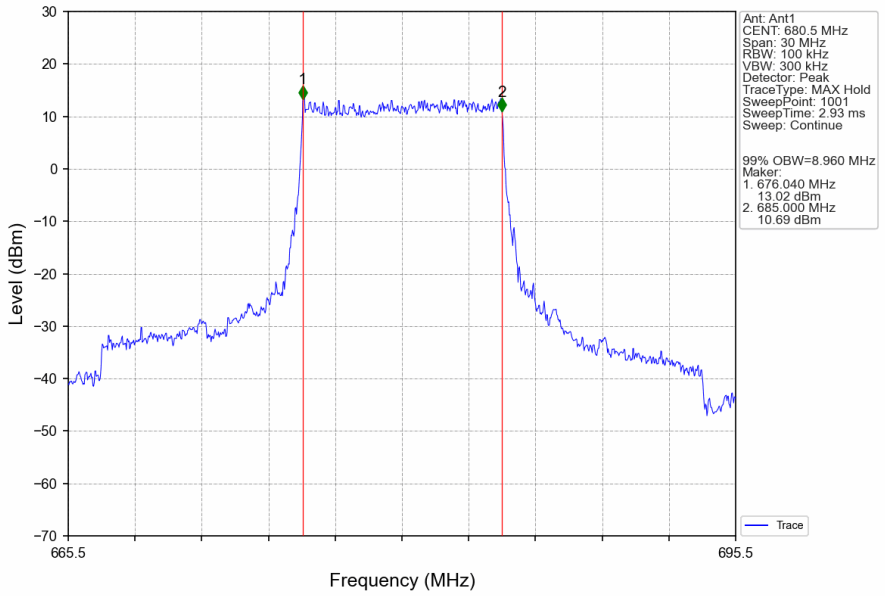
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



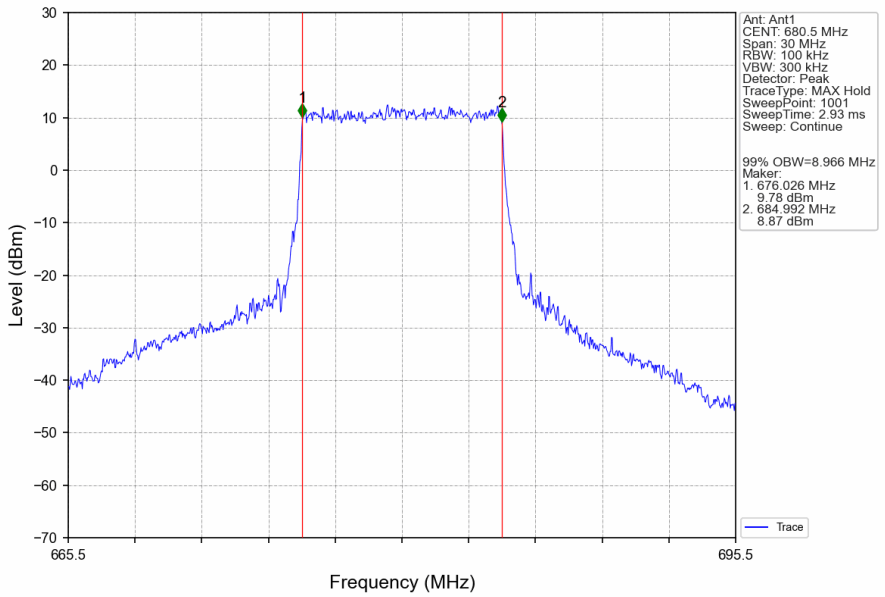
Band71_5MHz_256QAM_MCH_680.5MHz_RB_25_0_NTNV



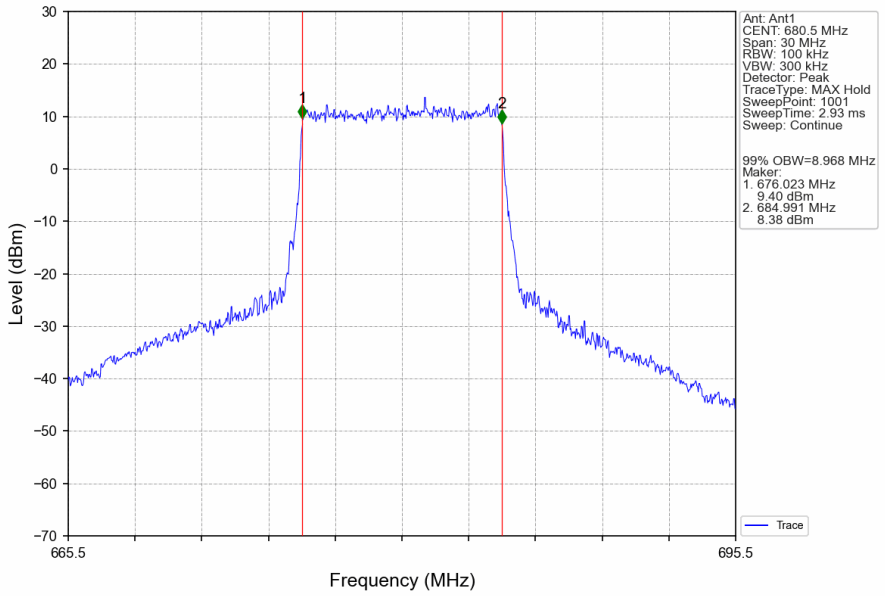
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



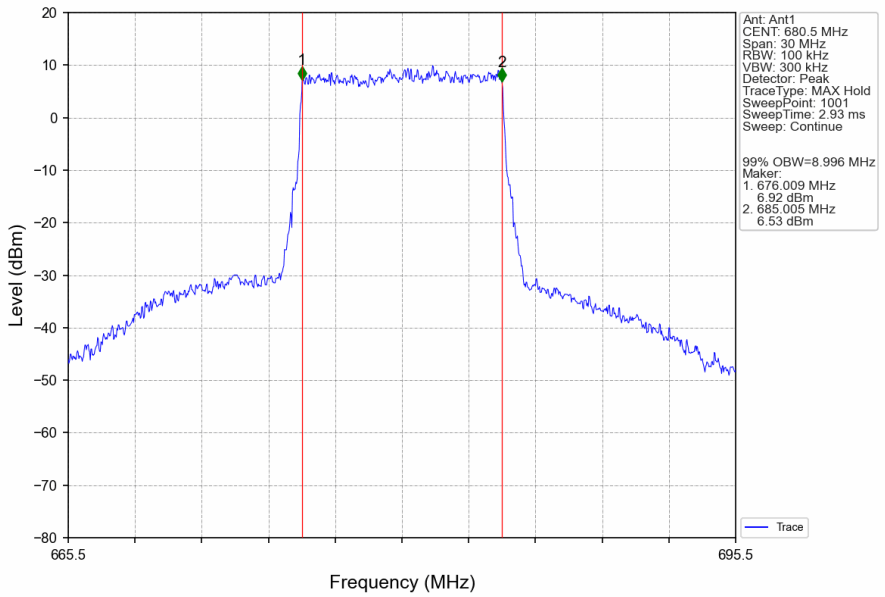
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



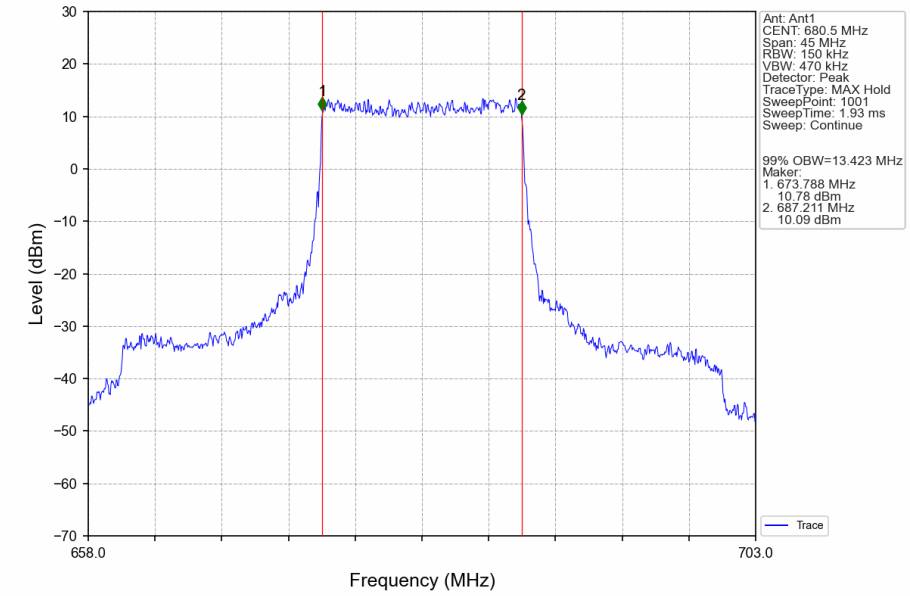
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



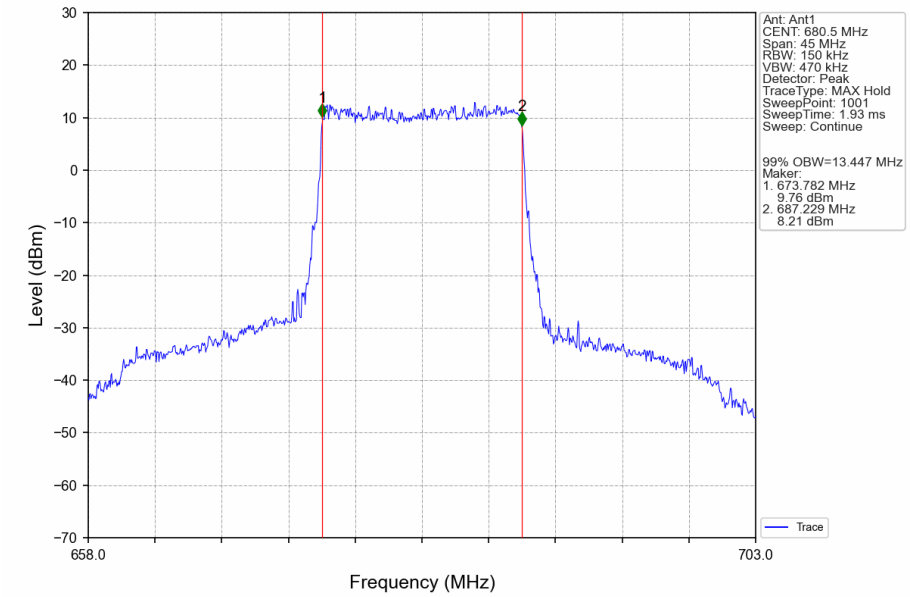
Band71_10MHz_256QAM_MCH_680.5MHz_RB_50_0_NTNV



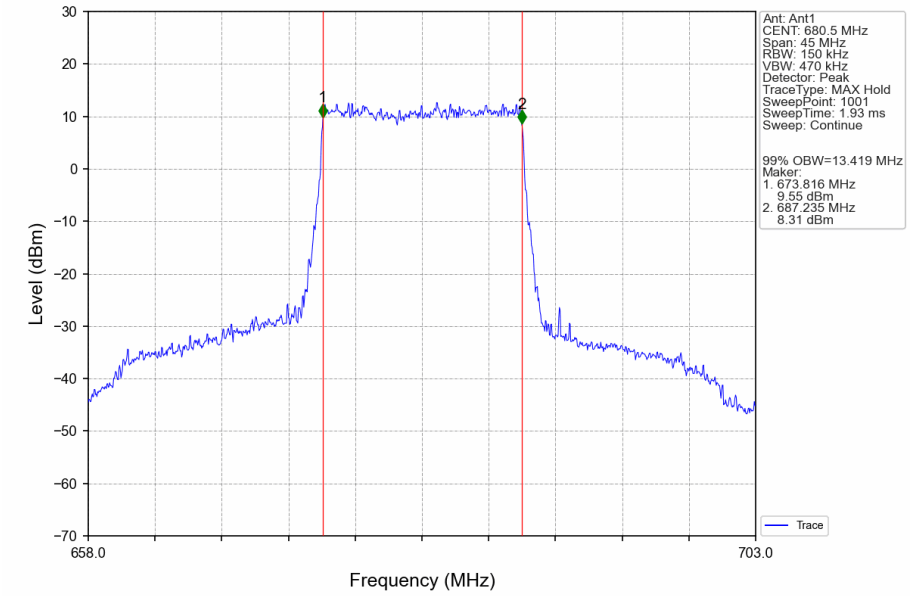
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



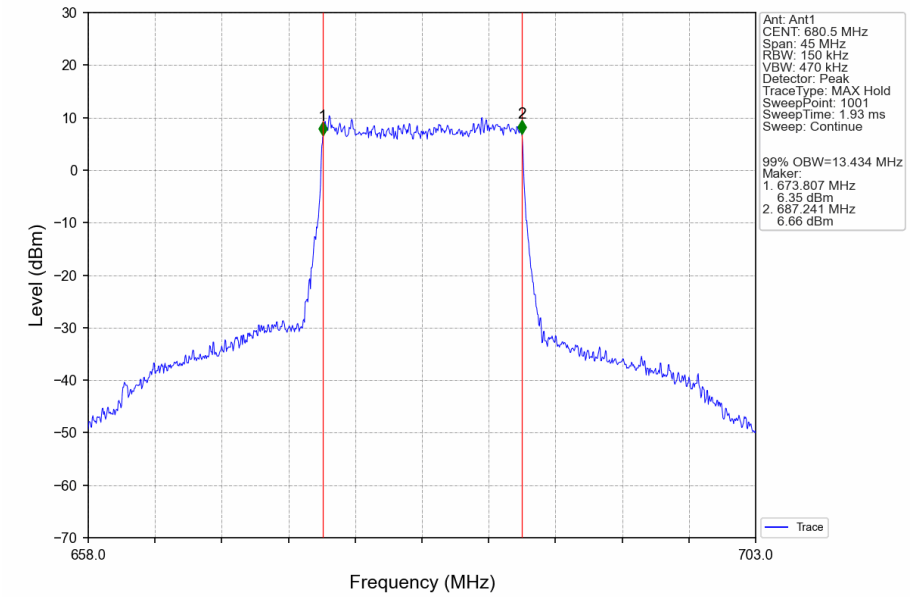
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



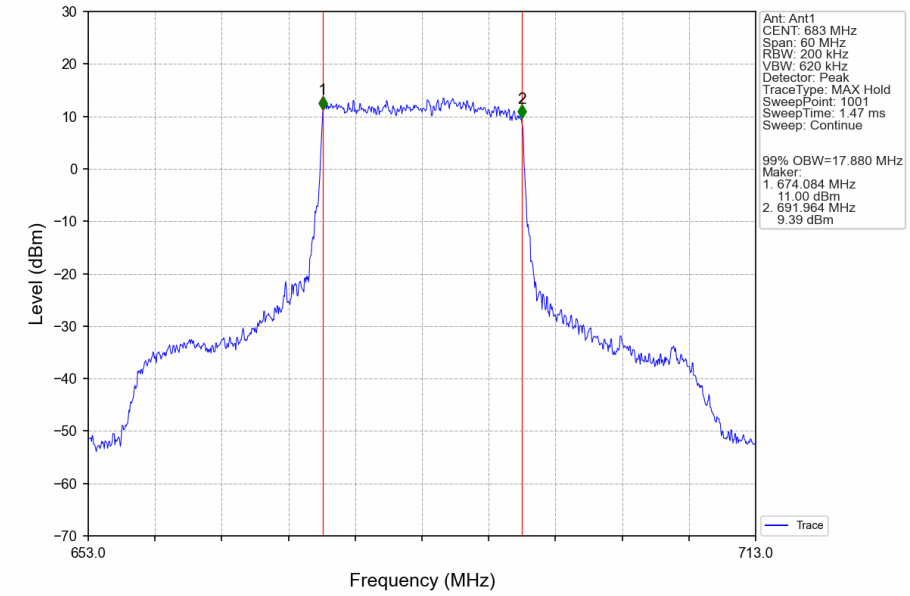
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



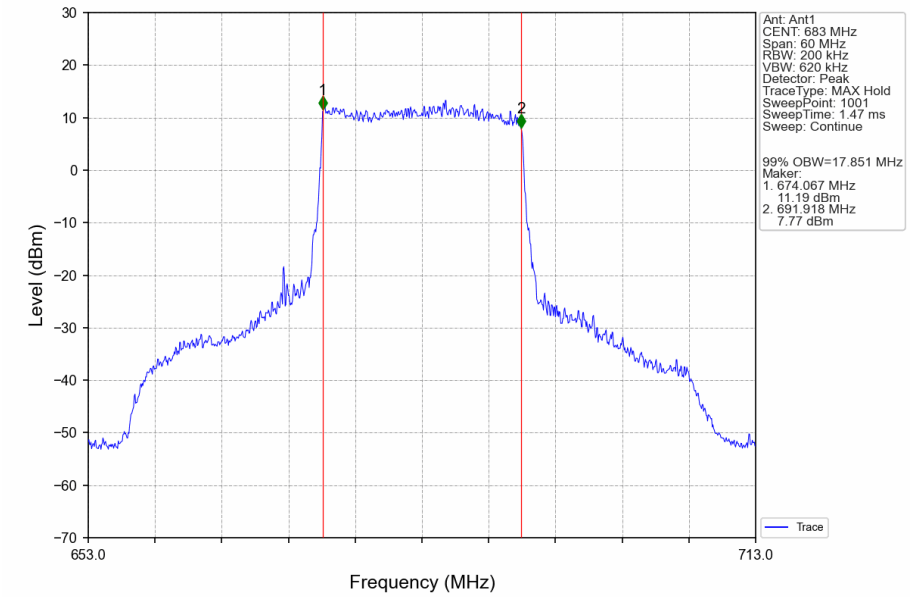
Band71_15MHz_256QAM_MCH_680.5MHz_RB_75_0_NTNV



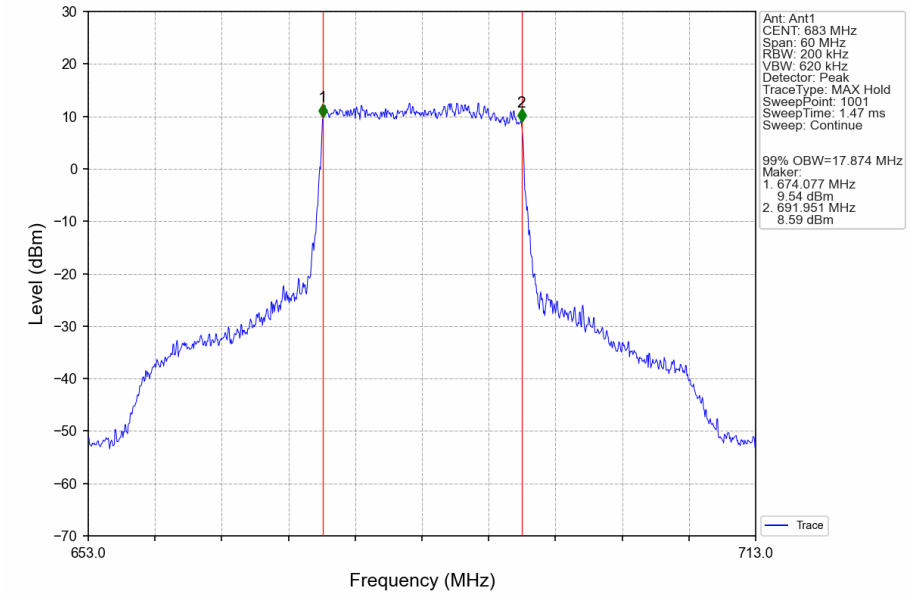
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



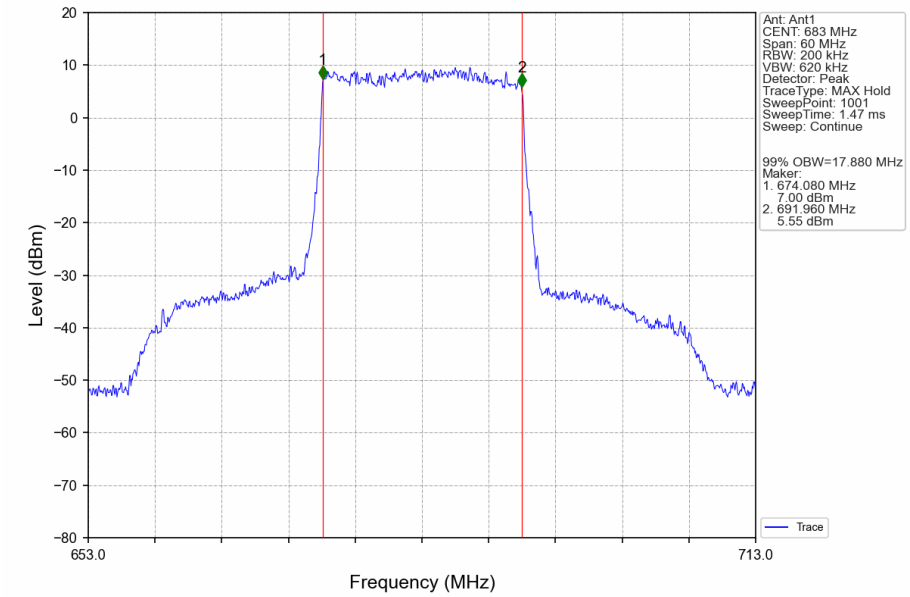
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



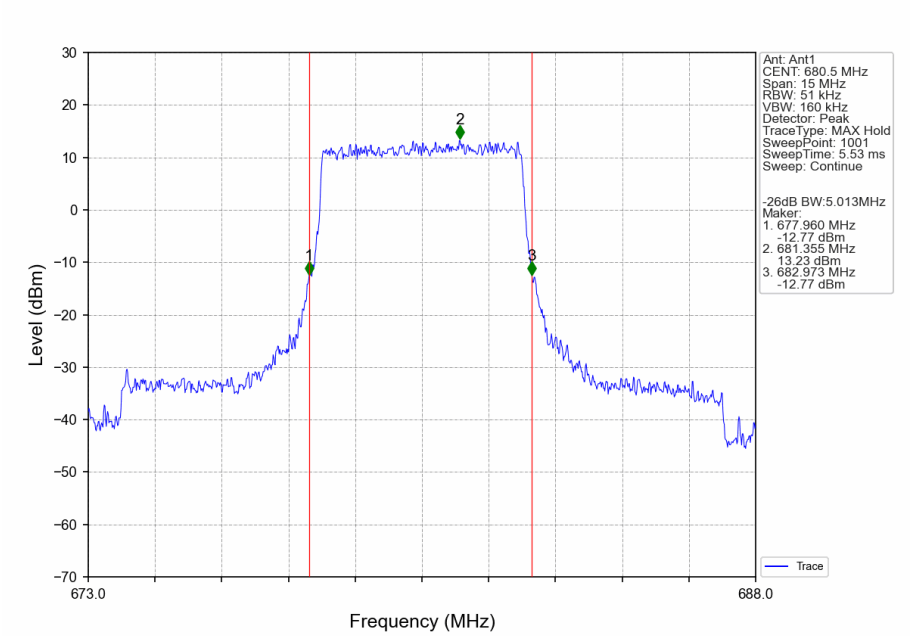
Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV

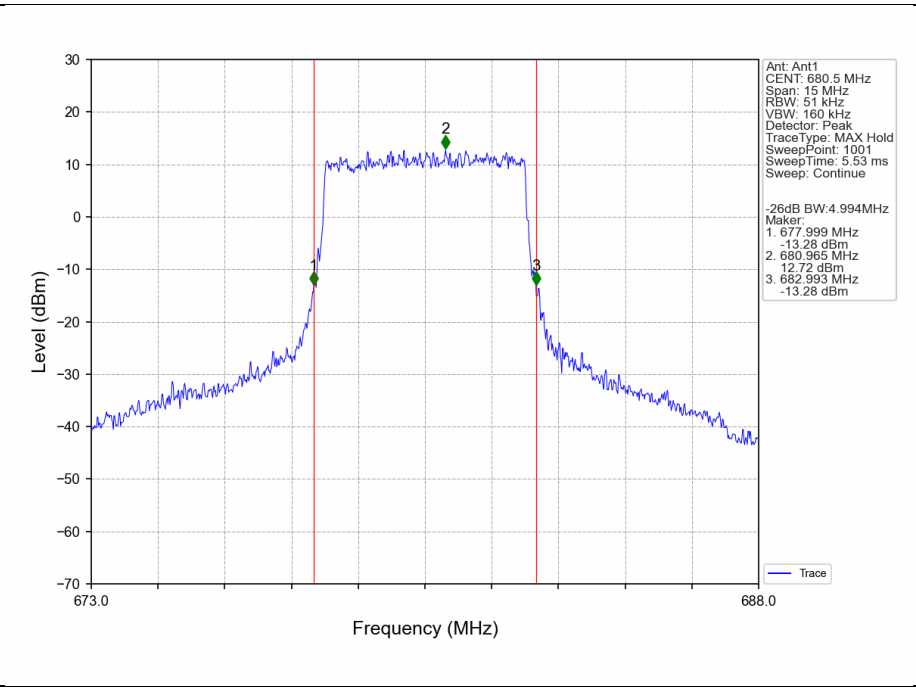


Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV

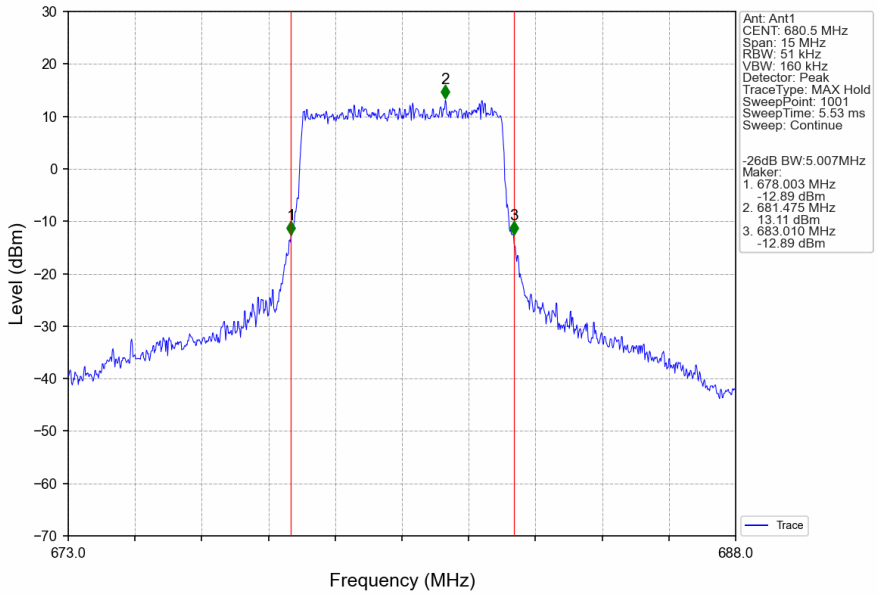


3.2.2 Band71_XDB

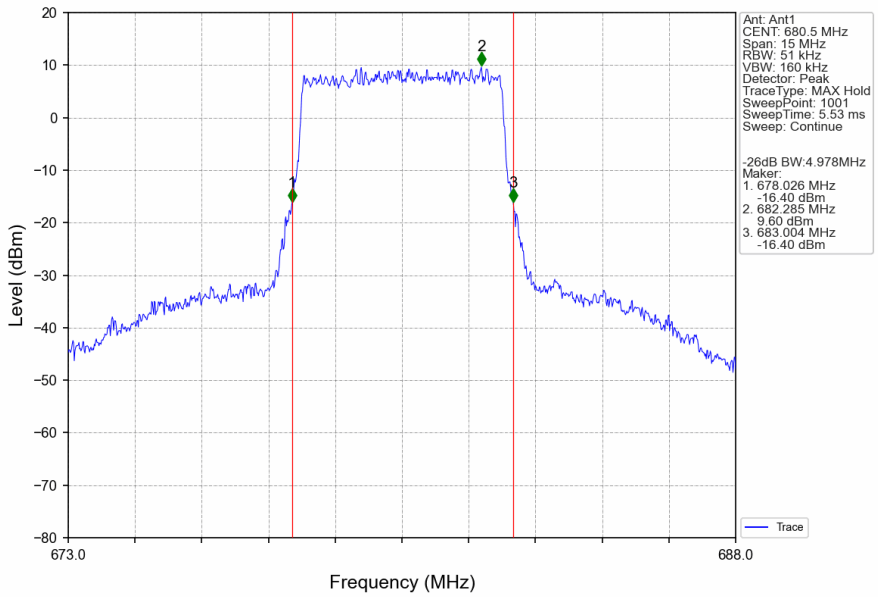
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV

Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV


Ant: Ant1
CENT: 680.5 MHz
Span: 15 MHz
RBW: 51 kHz
VBW: 160 kHz
Detector: Peak
TraceType: MAX Hold
SweepPoint: 1001
SweepTime: 5.53 ms
Sweep: Continue
-26dB BW:4.994MHz
Maker:
1. 677.999 MHz
-13.28 dBm
2. 680.965 MHz
12.72 dBm
3. 682.993 MHz
-13.28 dBm
Trace
Level (dBm)
Frequency (MHz)
673.0
688.0

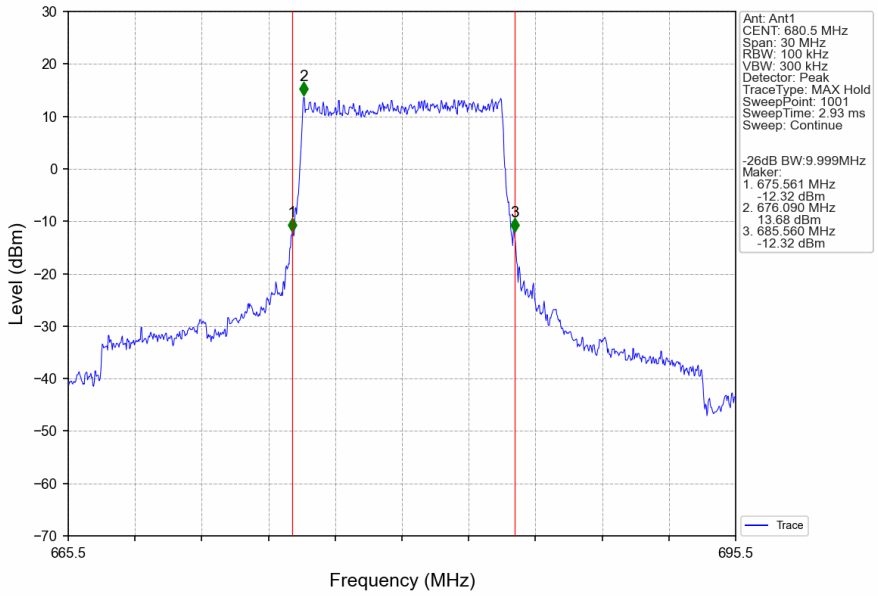
Band71_5MHz_64QAM_MCH_680.5MHz_RB_25_0_NTNV



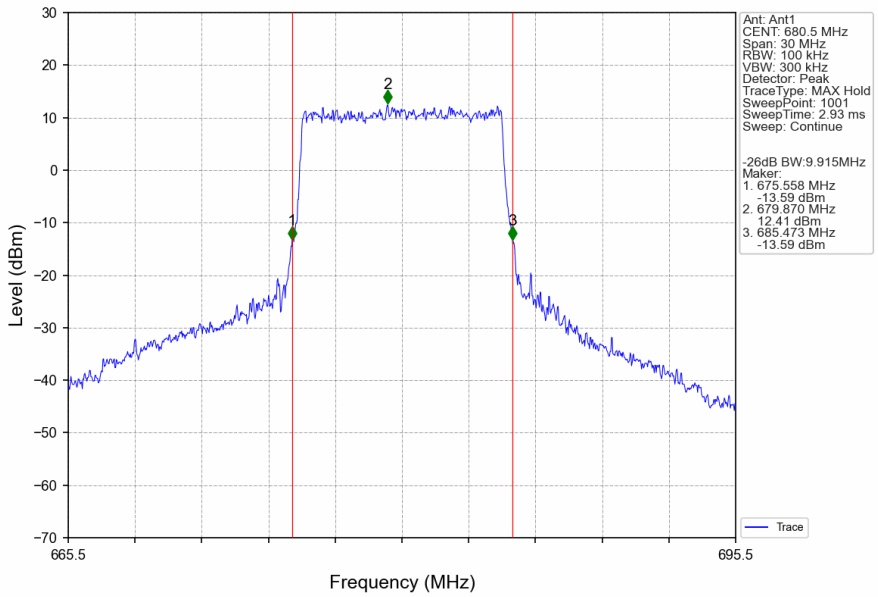
Band71_5MHz_256QAM_MCH_680.5MHz_RB_25_0_NTNV



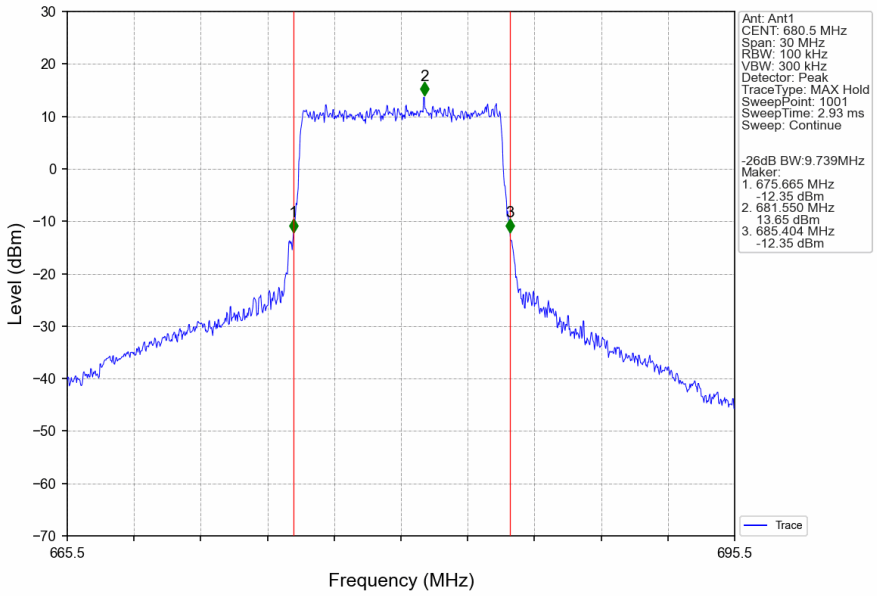
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



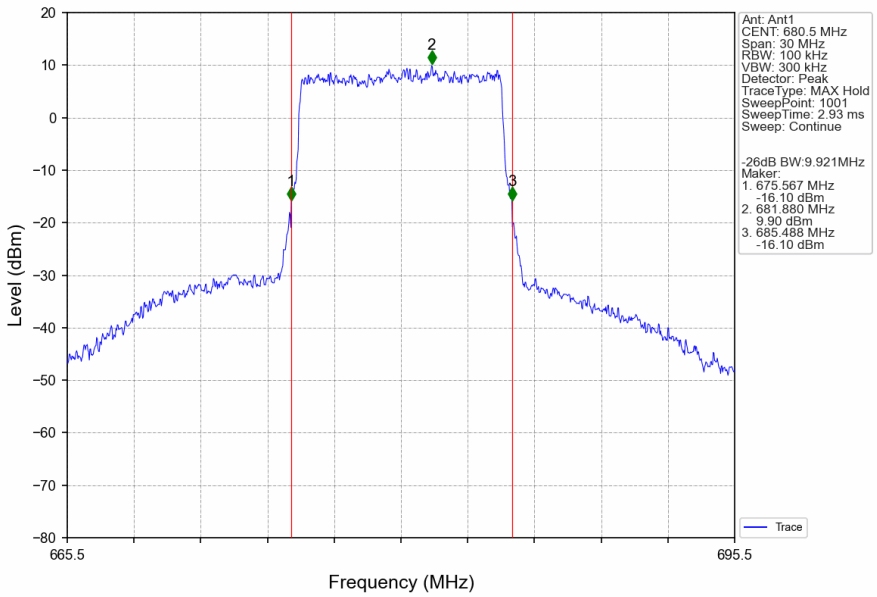
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



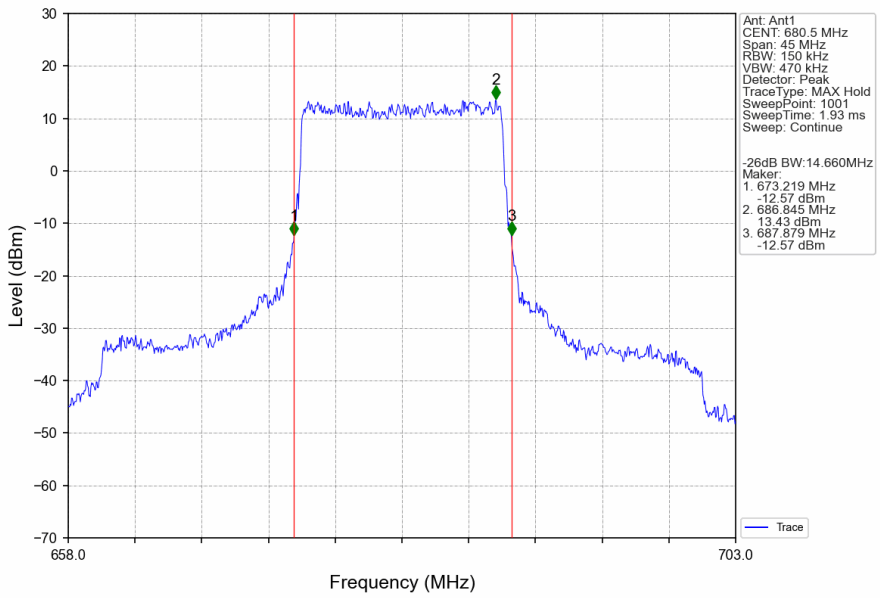
Band71_10MHz_64QAM_MCH_680.5MHz_RB_50_0_NTNV



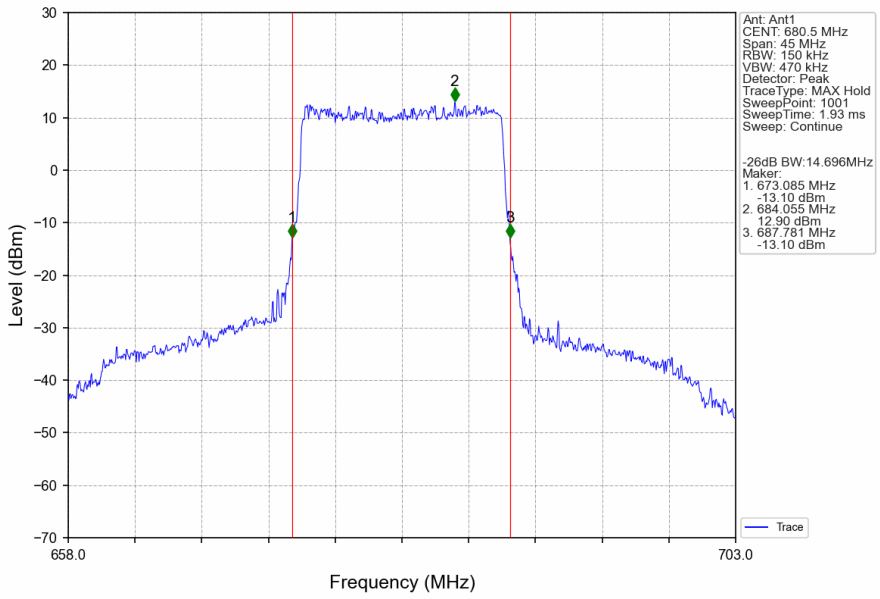
Band71_10MHz_256QAM_MCH_680.5MHz_RB_50_0_NTNV



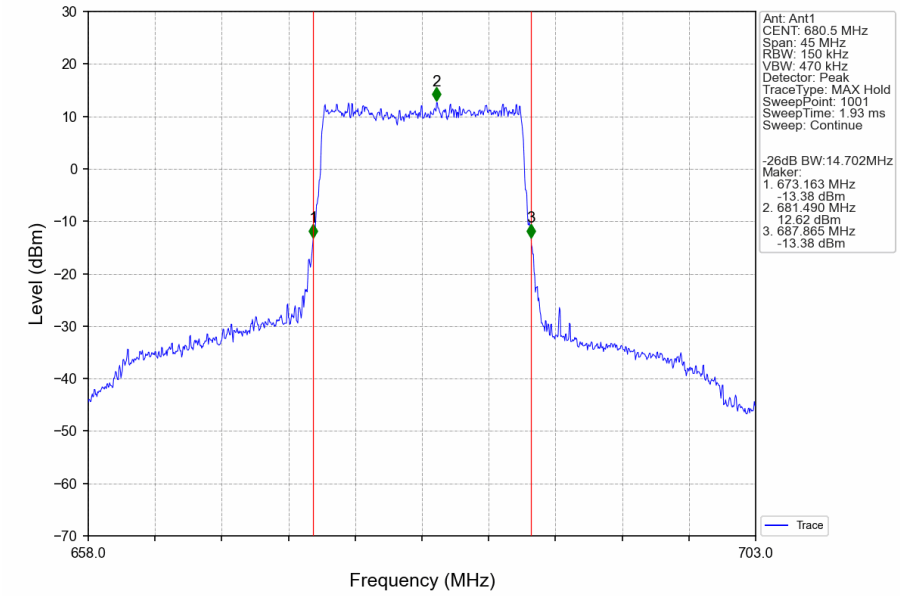
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



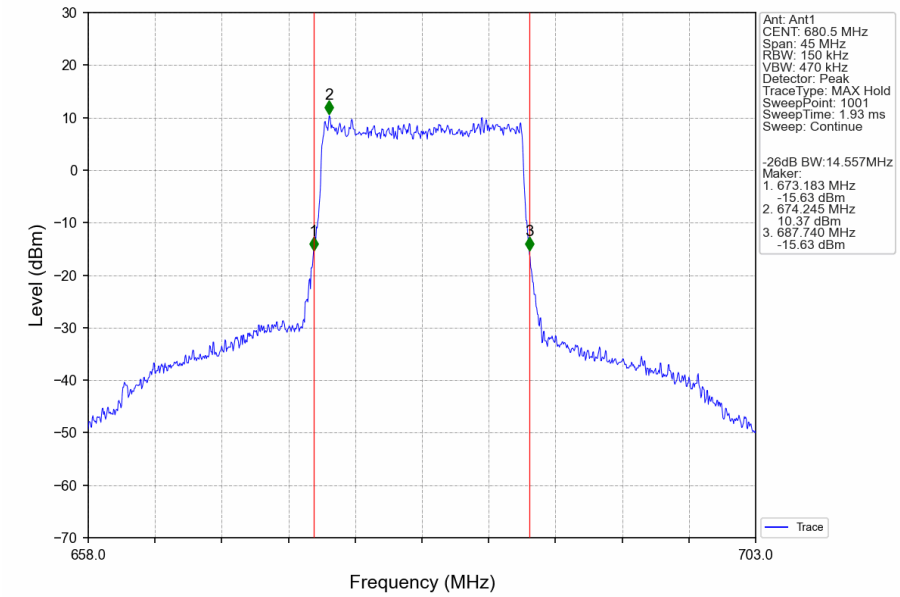
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



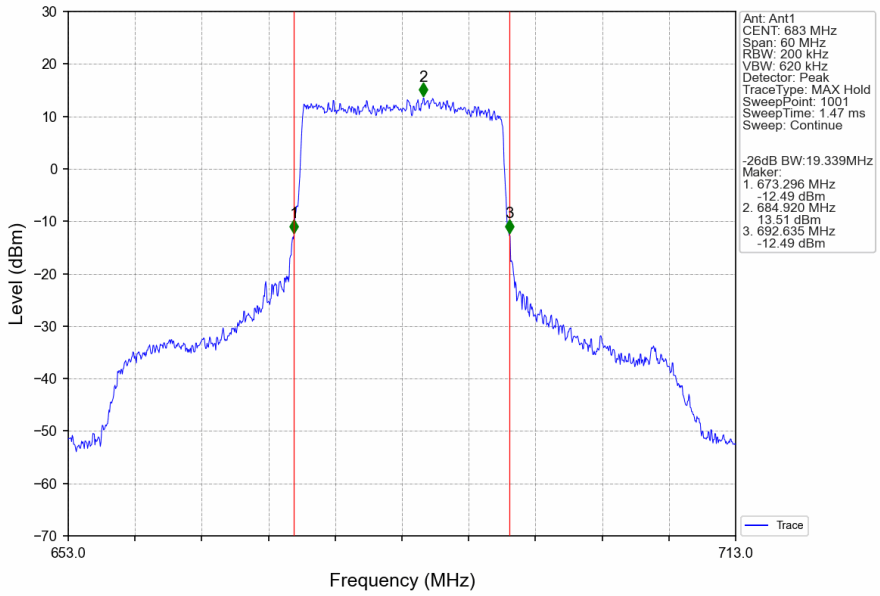
Band71_15MHz_64QAM_MCH_680.5MHz_RB_75_0_NTNV



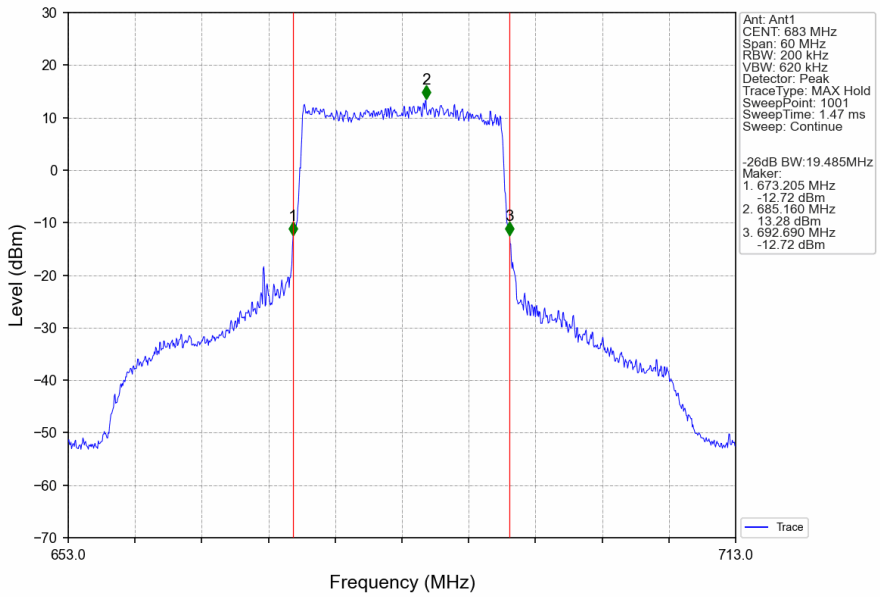
Band71_15MHz_256QAM_MCH_680.5MHz_RB_75_0_NTNV



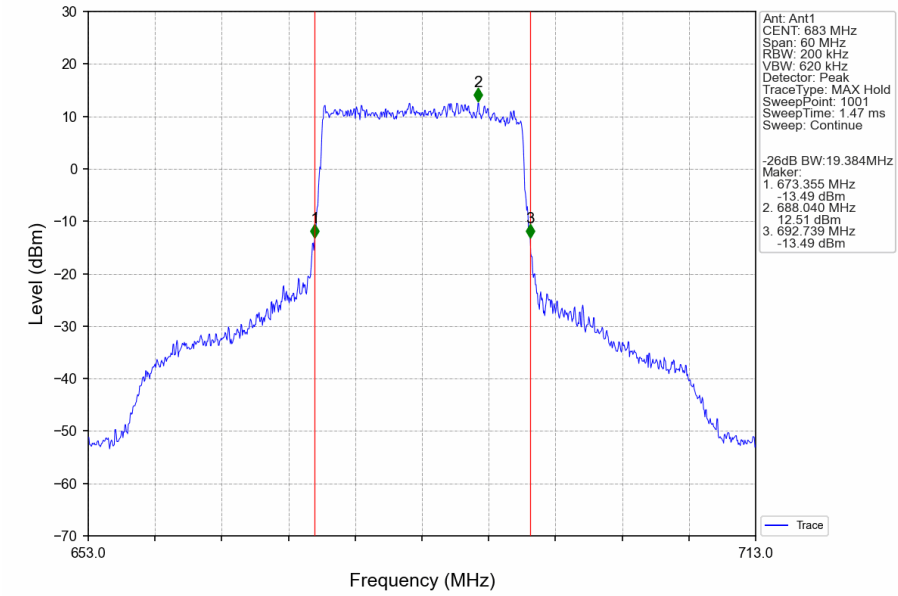
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



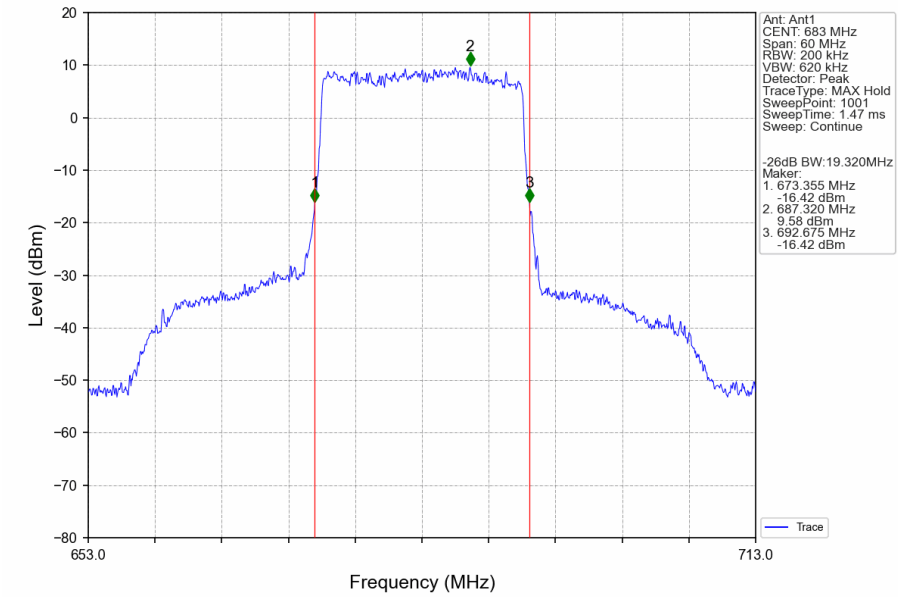
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

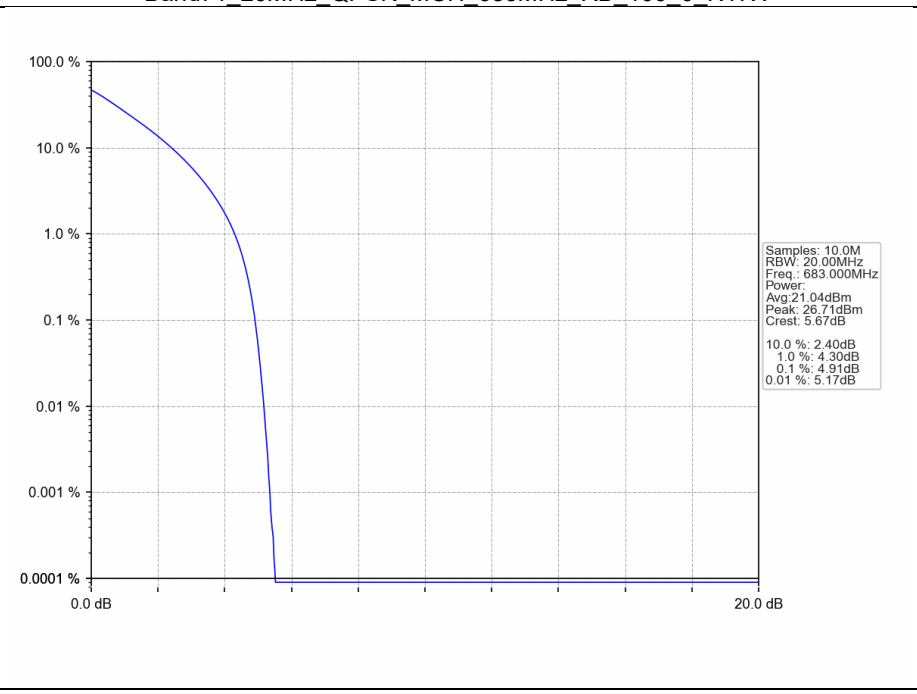
4.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	683	100	0	4.91	<=13	Pass
16QAM	683	100	0	5.88	<=13	Pass
64QAM	683	100	0	5.91	<=13	Pass
256QAM	683	100	0	6.56	<=13	Pass

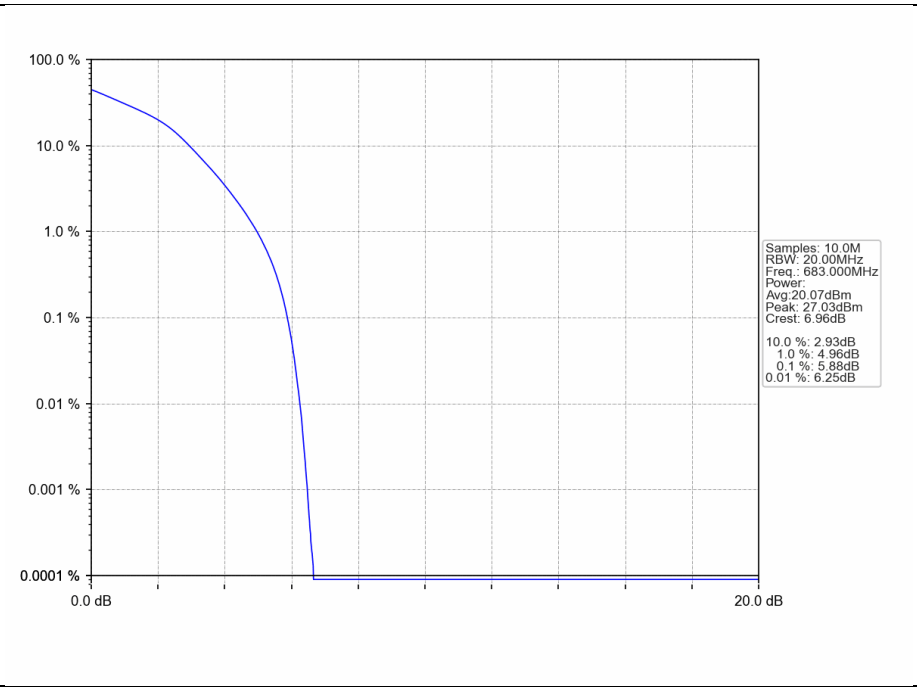
4.2 Test Graph

4.2.1 B71_20MHz

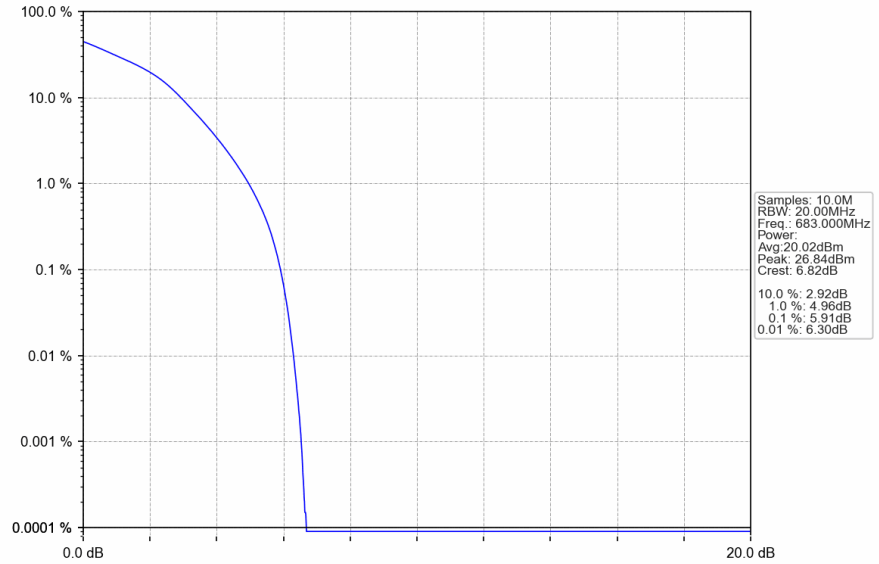
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



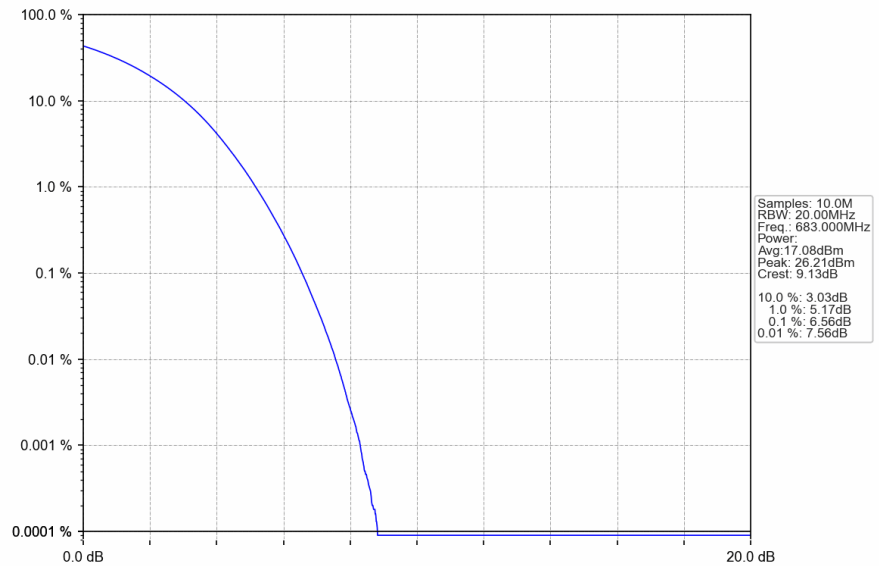
Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV


100.0 %
10.0 %
1.0 %
0.1 %
0.01 %
0.001 %
0.0001 %
0.0 dB
20.0 dB
Samples: 10.0M
RBW: 20.00MHz
Freq.: 683.000MHz
Power:
Avg:20.07dBm
Peak: 27.03dBm
Crest: 6.96dB
10.0 %: 2.93dB
1.0 %: 4.96dB
0.1 %: 5.88dB
0.01 %: 6.25dB

Band71_20MHz_64QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_256QAM_MCH_683MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B71_5MHz

Band: 71 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	665.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	695.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

5.1.2 B71_10MHz

Band: 71 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	668	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	693	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B71_15MHz

Band: 71 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	670.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	680.5	1	0	Refer To Test Graph		Pass
	690.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

5.1.4 B71_20MHz

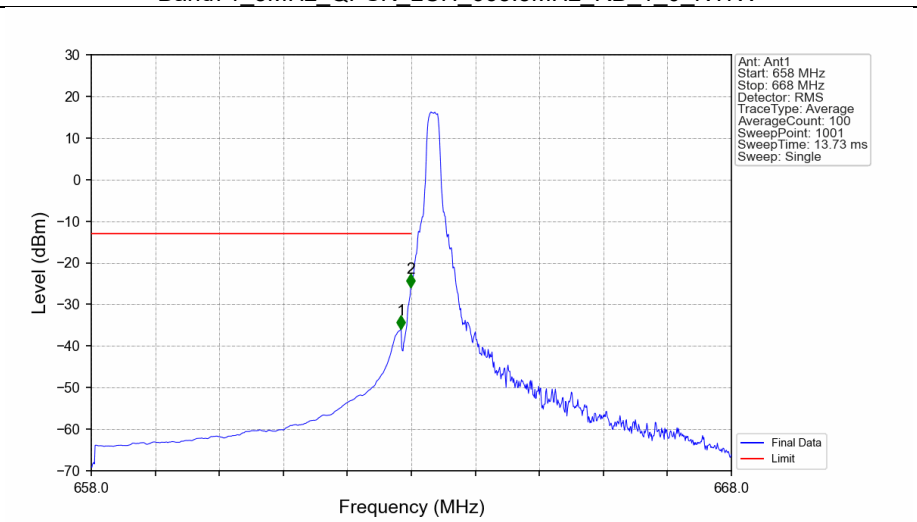
Band: 71 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Spurious Emission	Verdict

	(MHz)	Size	Offset	Result	Limit	
QPSK	673	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	683	1	0	Refer To Test Graph		Pass
	688	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

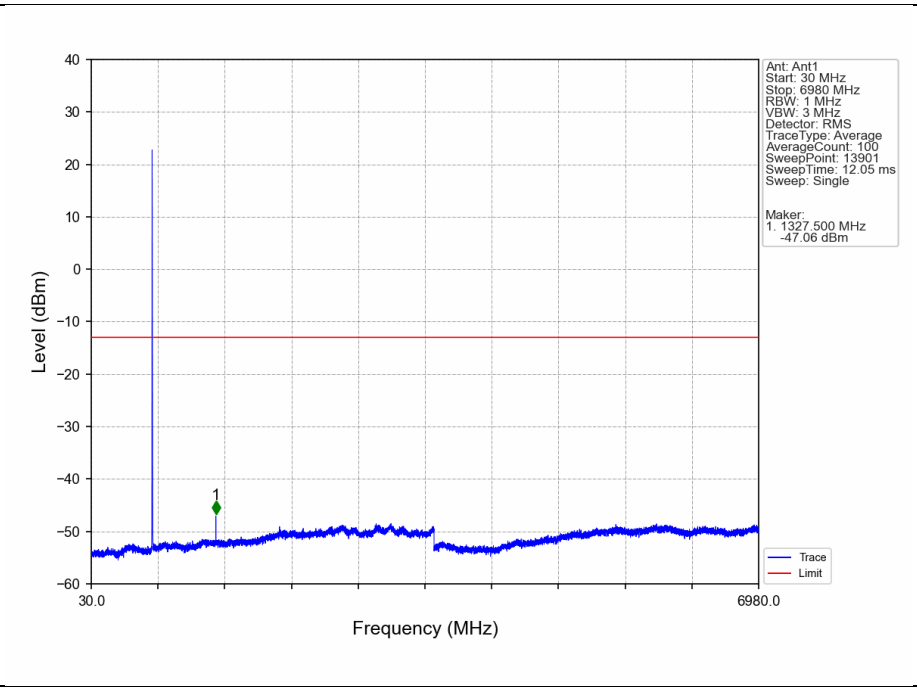
5.2.1 B71_5MHz

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

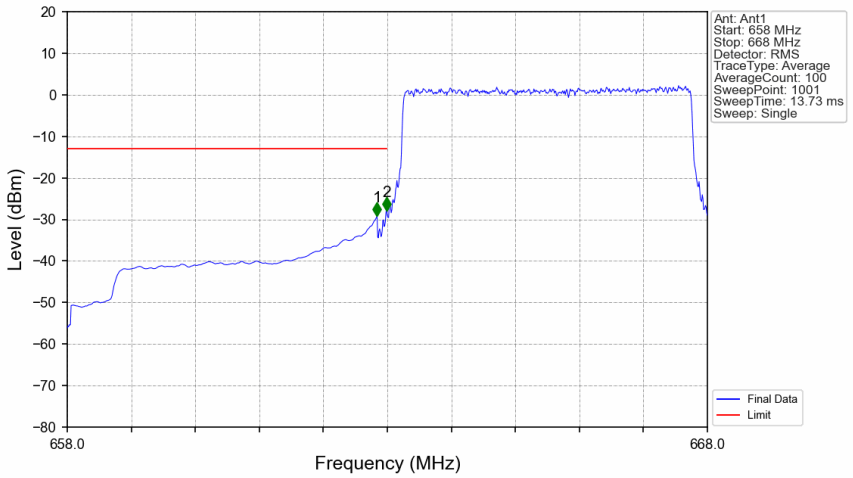


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-35.89	-13	Pass
662.9	663	0.03	/	2	662.990	-25.92	-13	Pass
663	668	0.03	/	/	/	/	/	/

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

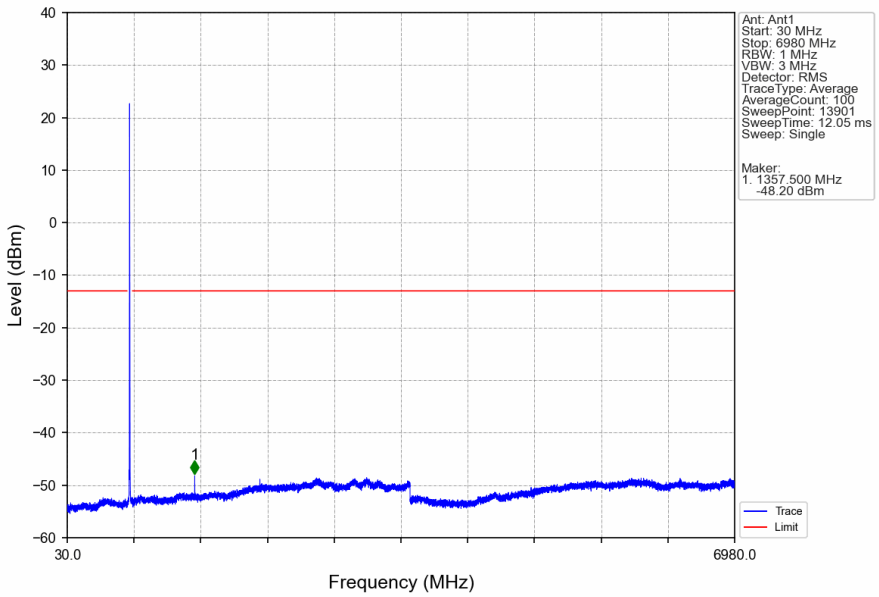

Ant: Ant1
Start: 30 MHz
Stop: 6980 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 100
SweepPoint: 13901
SweepTime: 12.05 ms
Sweep: Single
Maker:
1. 1327.500 MHz
-47.06 dBm
Level (dBm)
Frequency (MHz)
30.0
6980.0
Trace
Limit

Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

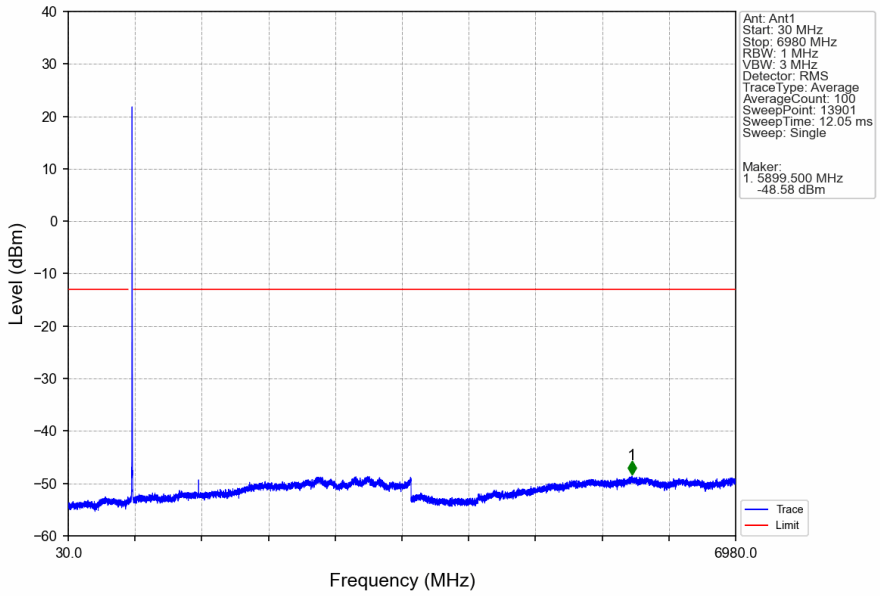


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662.9	0.1	CHP	1	662.840	-29.20	-13	Pass
662.9	663	0.03	/	2	662.990	-27.85	-13	Pass
663	668	0.03	/	/	/	/	/	/

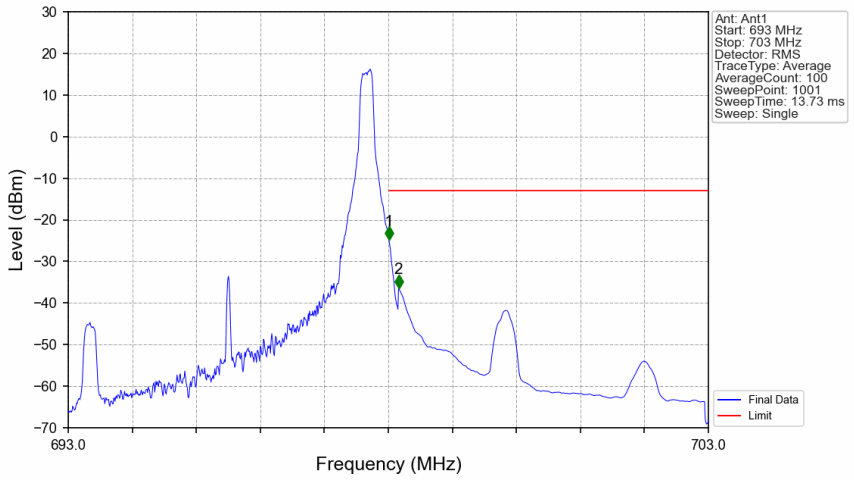
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

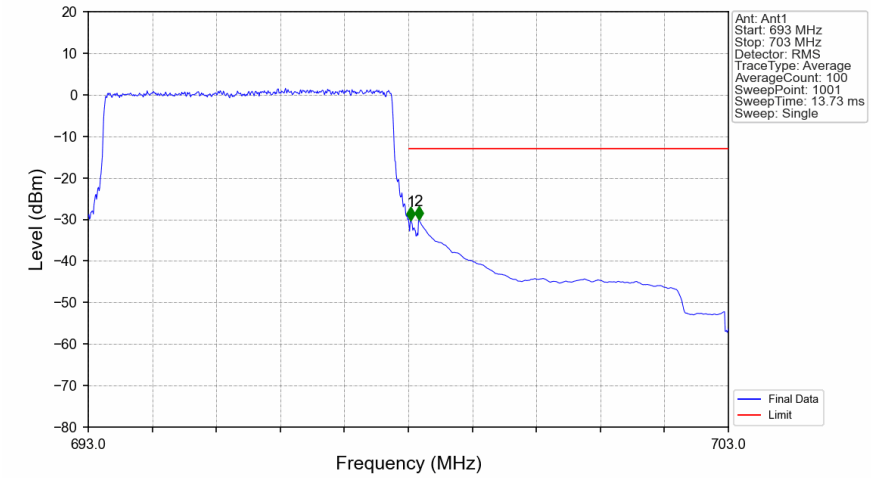


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.010	-24.83	-13	Pass
698.1	703	0.1	CHP	2	698.160	-36.34	-13	Pass

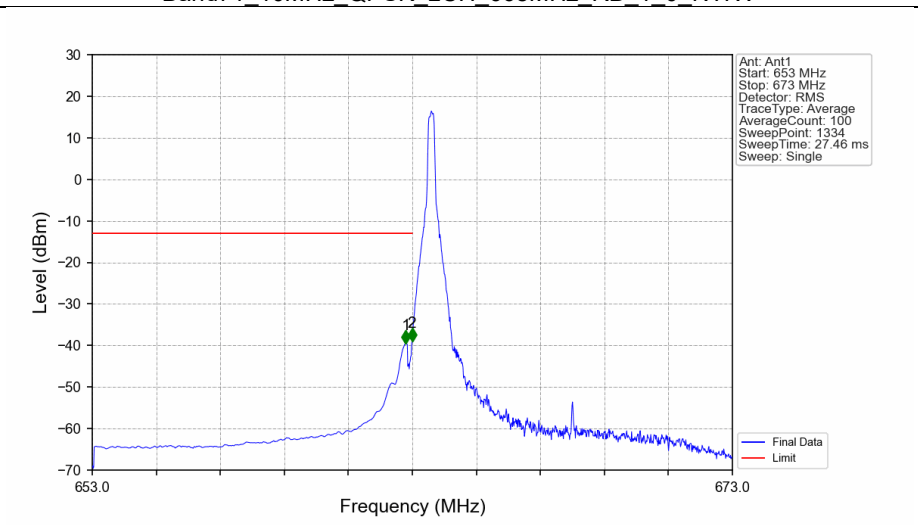
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.040	-30.28	-13	Pass
698.1	703	0.1	CHP	2	698.160	-29.95	-13	Pass

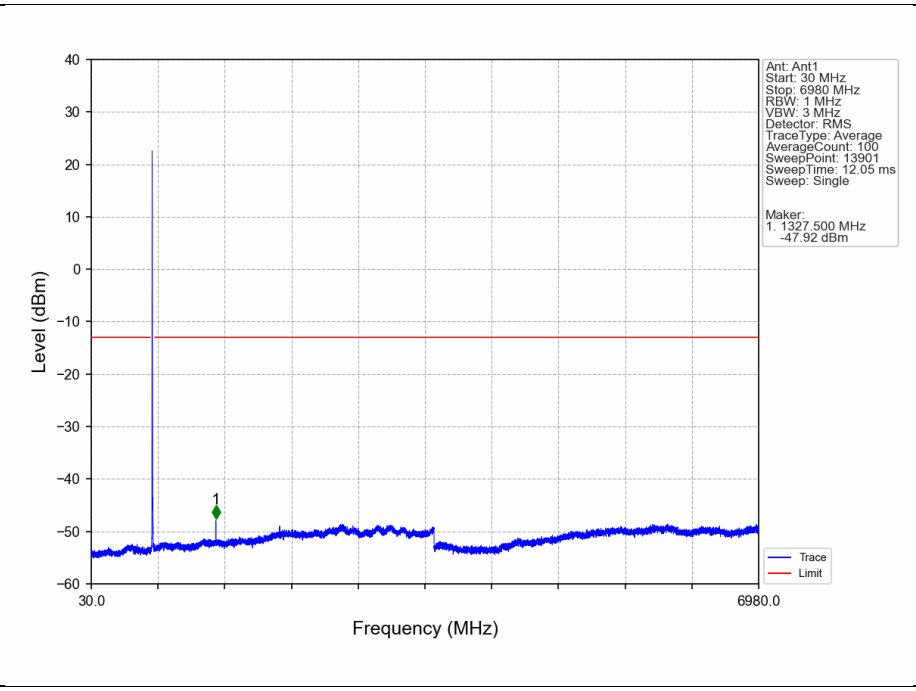
5.2.2 B71_10MHz

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

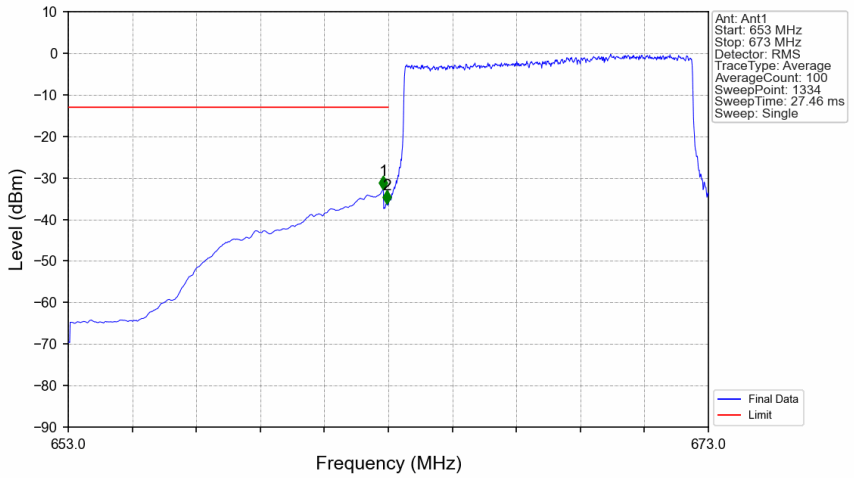


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.797	-39.58	-13	Pass
662.9	663	0.03	/	2	662.992	-38.90	-13	Pass
663	673	0.03	/	/	/	/	/	/

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

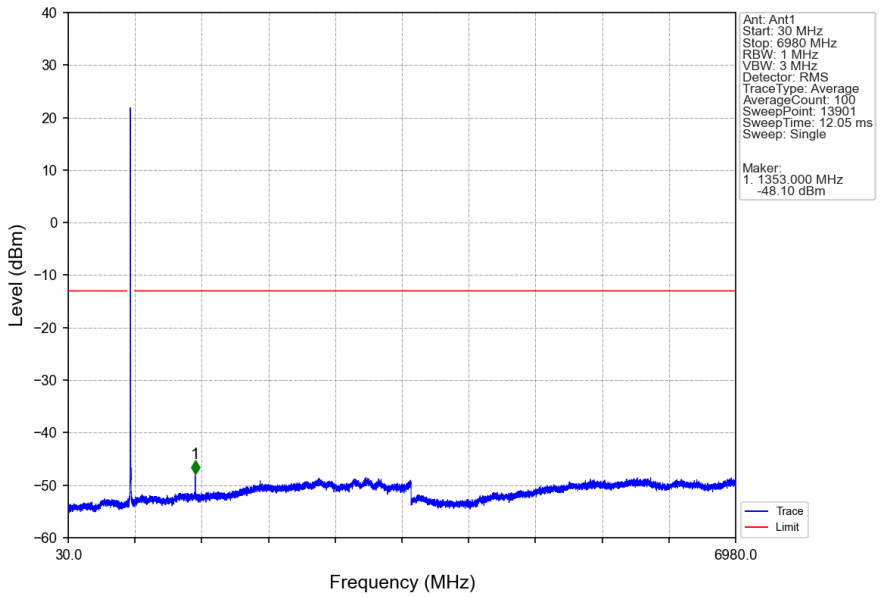

Ant: Ant1
Start: 30 MHz
Stop: 6980 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 100
SweepPoint: 13901
SweepTime: 12.05 ms
Sweep: Single
Maker:
1. 1327.500 MHz
-47.92 dBm
Level (dBm)
40
30
20
10
0
-10
-20
-30
-40
-50
-60
30.0
6980.0
Frequency (MHz)
Trace
Limit

Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

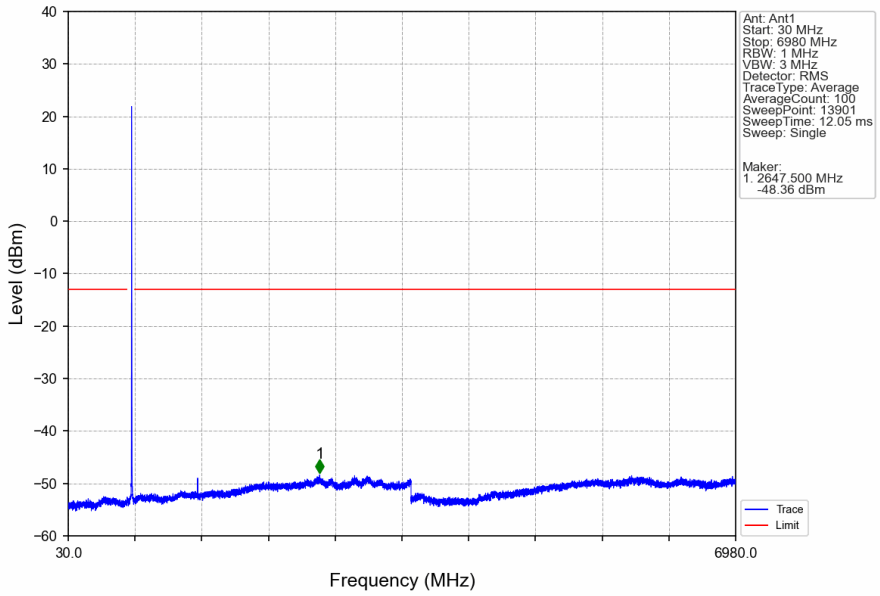


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662.9	0.1	CHP	1	662.842	-32.77	-13	Pass
662.9	663	0.03	/	2	662.947	-36.20	-13	Pass
663	673	0.03	/	/	/	/	/	/

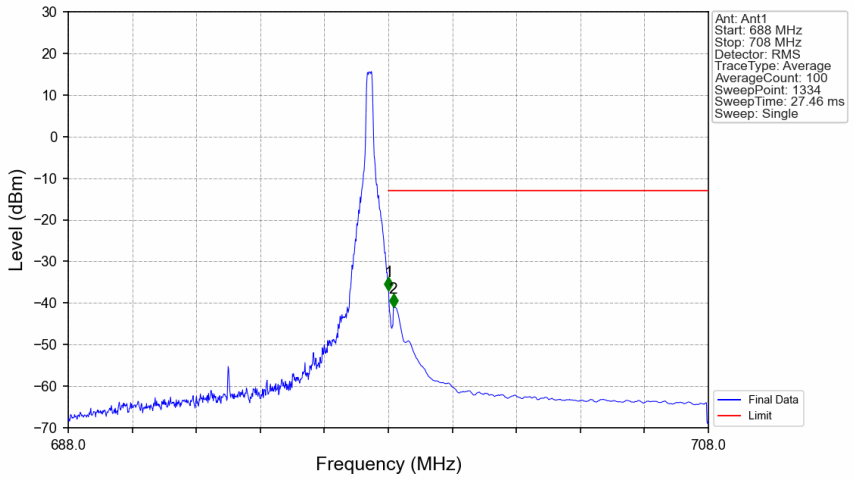
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

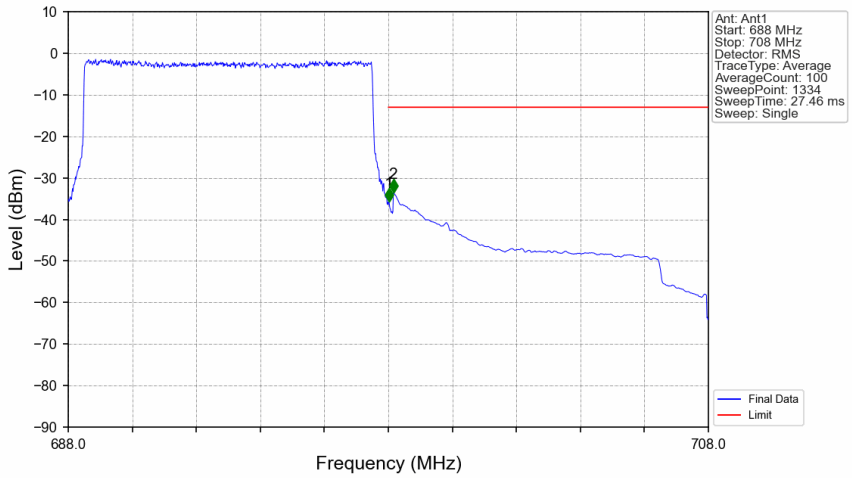


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.008	-36.91	-13	Pass
698.1	708	0.1	CHP	2	698.158	-41.01	-13	Pass

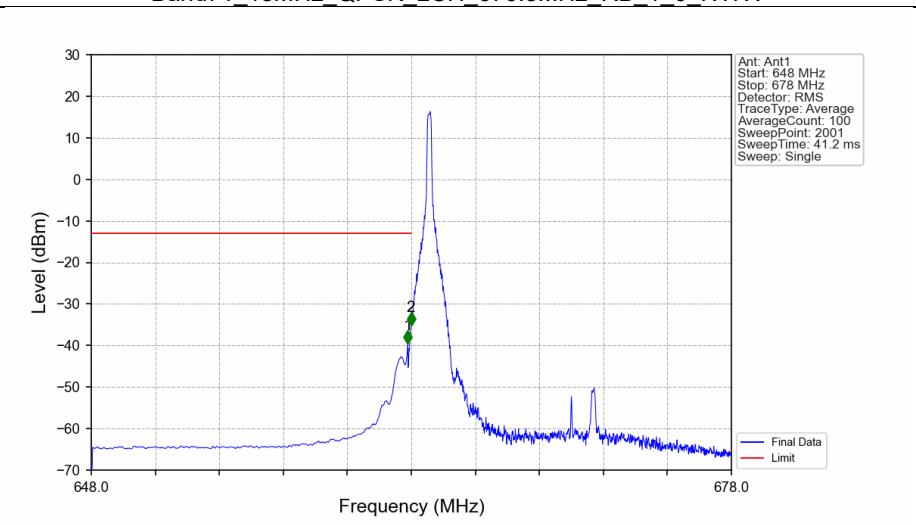
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.023	-35.61	-13	Pass
698.1	708	0.1	CHP	2	698.158	-33.55	-13	Pass

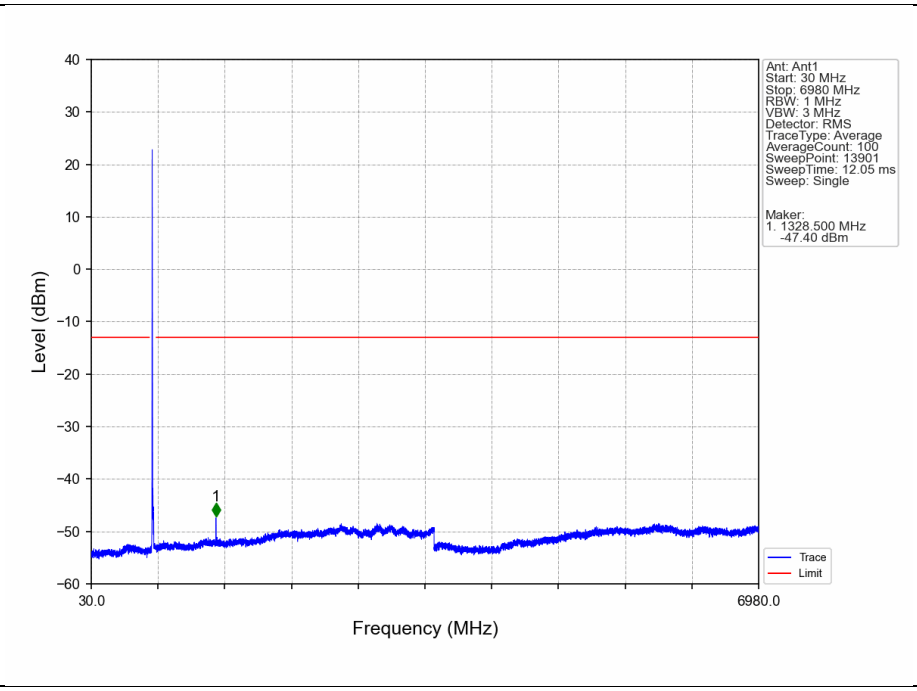
5.2.3 B71_15MHz

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

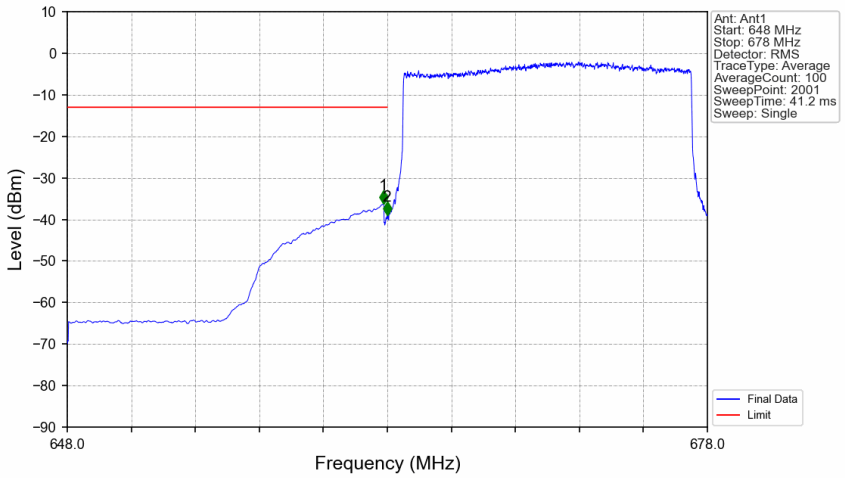


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.835	-39.59	-13	Pass
662.9	663	0.03	/	2	662.985	-35.12	-13	Pass
663	678	0.03	/	/	/	/	/	/

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

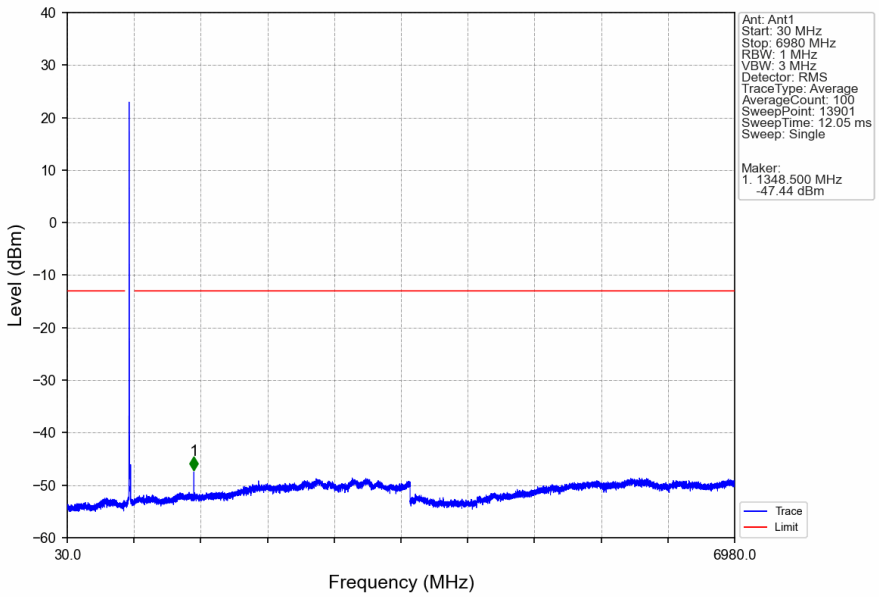

Ant: Ant1
Start: 30 MHz
Stop: 6980 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 100
SweepPoint: 13901
SweepTime: 12.05 ms
Sweep: Single
Maker:
1. 1328.500 MHz
-47.40 dBm
Level (dBm)
Frequency (MHz)
30.0
6980.0
Trace
Limit

Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

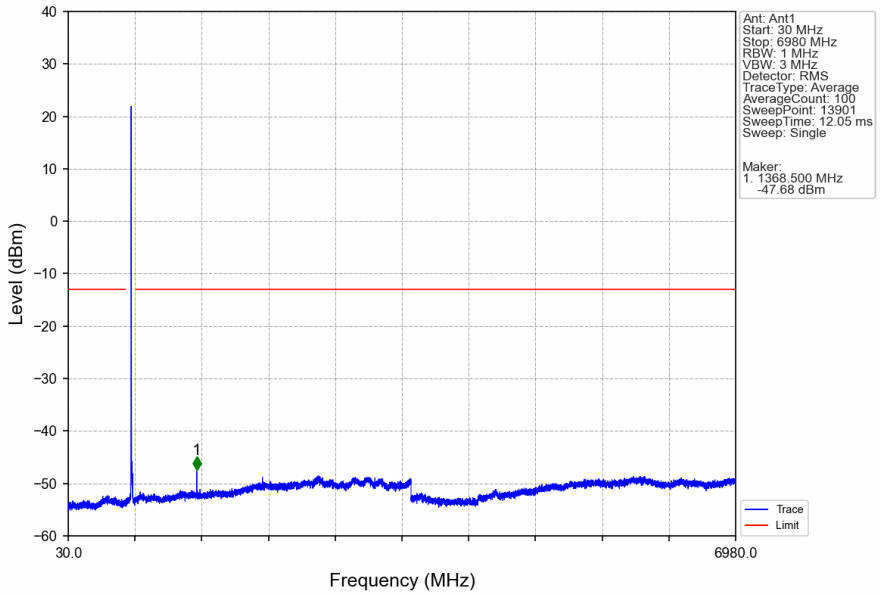


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662.9	0.1	CHP	1	662.805	-36.25	-13	Pass
662.9	663	0.03	/	2	662.985	-38.99	-13	Pass
663	678	0.03	/	/	/	/	/	/

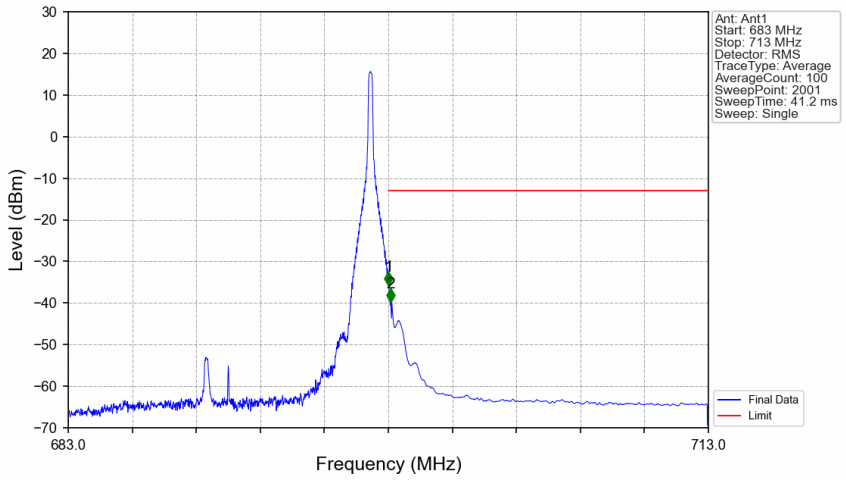
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

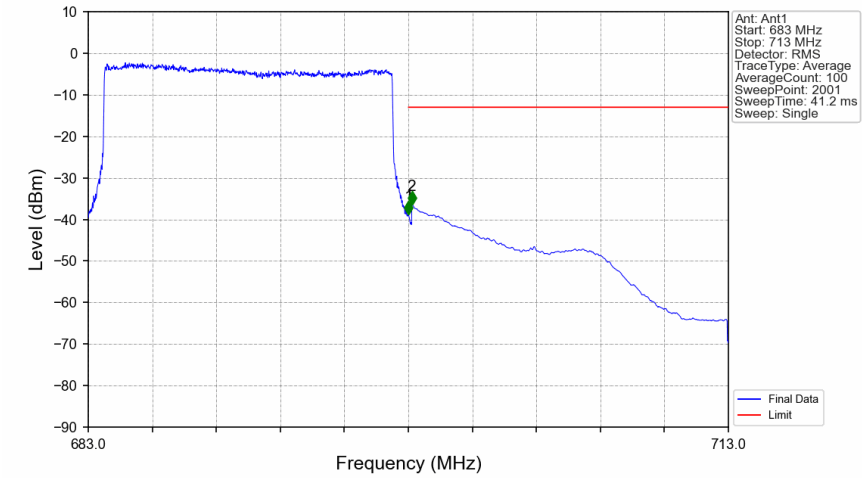


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-35.66	-13	Pass
698.1	713	0.1	CHP	2	698.105	-39.78	-13	Pass

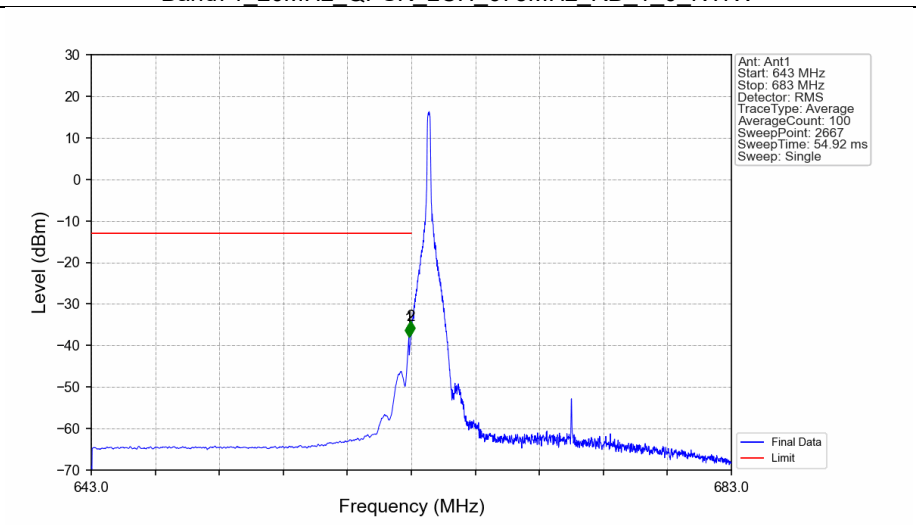
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-38.73	-13	Pass
698.1	713	0.1	CHP	2	698.165	-36.35	-13	Pass

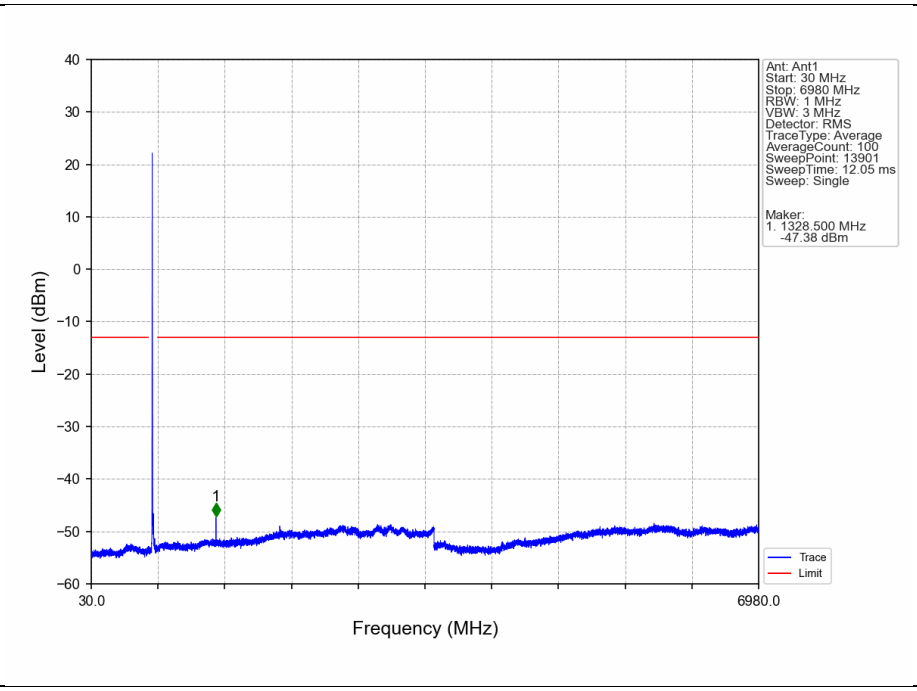
5.2.4 B71_20MHz

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

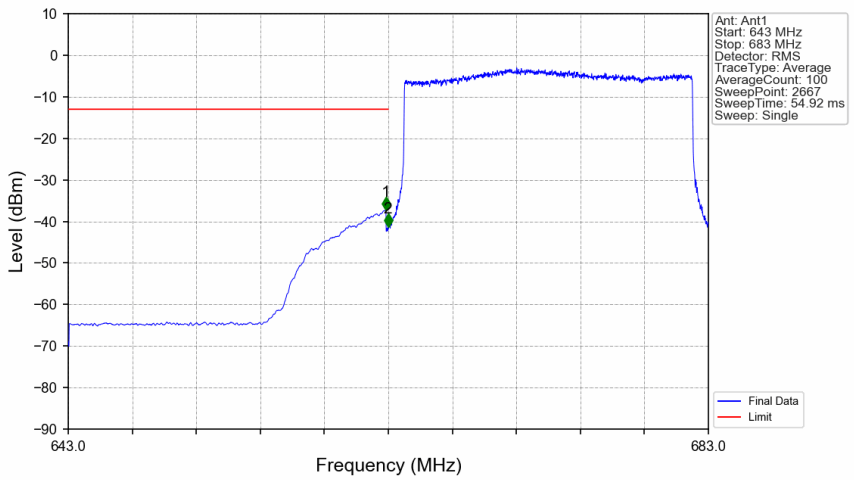


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-37.80	-13	Pass
662.9	663	0.03	/	2	662.970	-37.36	-13	Pass
663	683	0.03	/	/	/	/	/	/

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

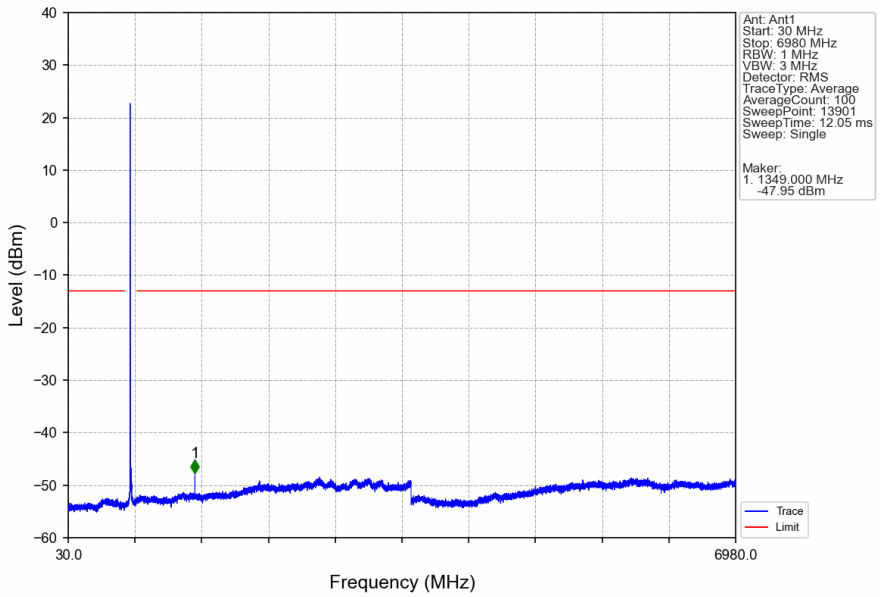

Ant: Ant1
Start: 30 MHz
Stop: 6980 MHz
RBW: 1 MHz
VBW: 3 MHz
Detector: RMS
TraceType: Average
AverageCount: 100
SweepPoint: 13901
SweepTime: 12.05 ms
Sweep: Single
Maker:
1. 1328.500 MHz
-47.38 dBm
Level (dBm)
Frequency (MHz)
30.0
6980.0
Trace
Limit

Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

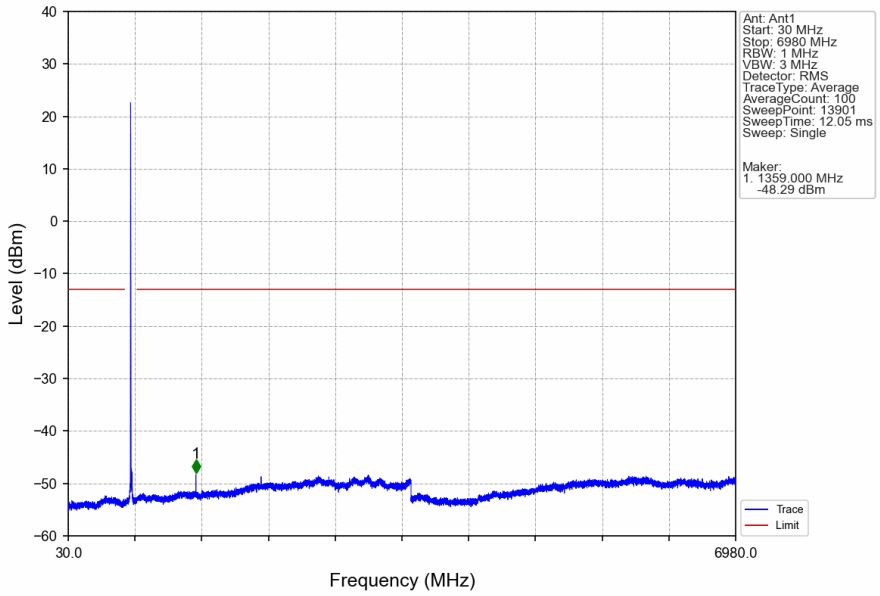


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662.9	0.1	CHP	1	662.850	-37.24	-13	Pass
662.9	663	0.03	/	2	662.985	-41.25	-13	Pass
663	683	0.03	/	/	/	/	/	/

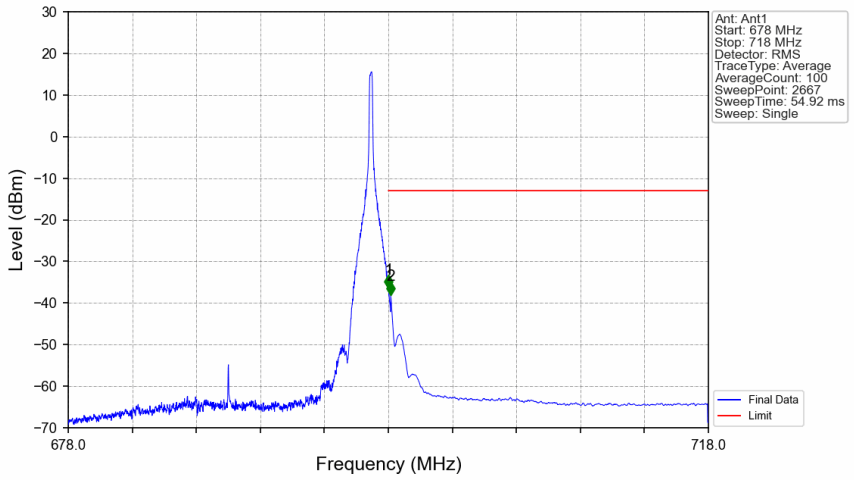
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

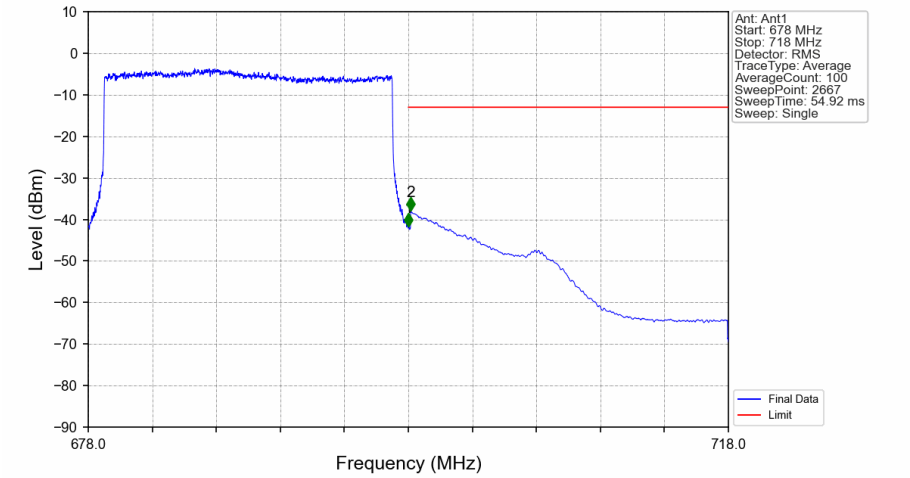


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-36.51	-13	Pass
698.1	718	0.1	CHP	2	698.150	-37.98	-13	Pass

Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.03	/	/	/	/	/	/
698	698.1	0.03	/	1	698.015	-41.68	-13	Pass
698.1	718	0.1	CHP	2	698.150	-37.87	-13	Pass

---End of Attachment---