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	22.62	1.32	21.79	<=34.77	Pass
			13	22.72	1.32	21.89	<=34.77	Pass
			24	22.57	1.32	21.74	<=34.77	Pass
		12	0	21.76	1.32	20.93	<=34.77	Pass
			6	21.81	1.32	20.98	<=34.77	Pass
			13	21.71	1.32	20.88	<=34.77	Pass
		25	0	21.75	1.32	20.92	<=34.77	Pass
	680.5	1	0	22.92	1.32	22.09	<=34.77	Pass
			13	23.05	1.32	22.22	<=34.77	Pass
			24	22.93	1.32	22.10	<=34.77	Pass
		12	0	22.12	1.32	21.29	<=34.77	Pass
			6	22.25	1.32	21.42	<=34.77	Pass
			13	22.13	1.32	21.30	<=34.77	Pass
		25	0	22.24	1.32	21.41	<=34.77	Pass
	695.5	1	0	22.73	1.32	21.90	<=34.77	Pass
			13	23.04	1.32	22.21	<=34.77	Pass
			24	22.98	1.32	22.15	<=34.77	Pass
		12	0	22.05	1.32	21.22	<=34.77	Pass
			6	22.03	1.32	21.20	<=34.77	Pass
			13	21.95	1.32	21.12	<=34.77	Pass
		25	0	21.96	1.32	21.13	<=34.77	Pass
16QAM	665.5	1	0	21.47	1.32	20.64	<=34.77	Pass
			13	21.91	1.32	21.08	<=34.77	Pass
			24	21.38	1.32	20.55	<=34.77	Pass
		12	0	20.72	1.32	19.89	<=34.77	Pass
			6	20.88	1.32	20.05	<=34.77	Pass
			13	20.87	1.32	20.04	<=34.77	Pass
		25	0	20.77	1.32	19.94	<=34.77	Pass
	680.5	1	0	21.90	1.32	21.07	<=34.77	Pass
			13	22.83	1.32	22.00	<=34.77	Pass
			24	22.68	1.32	21.85	<=34.77	Pass
		12	0	21.08	1.32	20.25	<=34.77	Pass
			6	21.13	1.32	20.30	<=34.77	Pass
			13	21.20	1.32	20.37	<=34.77	Pass
		25	0	21.16	1.32	20.33	<=34.77	Pass
	695.5	1	0	21.86	1.32	21.03	<=34.77	Pass
			13	21.97	1.32	21.14	<=34.77	Pass
			24	21.78	1.32	20.95	<=34.77	Pass
		12	0	21.08	1.32	20.25	<=34.77	Pass
			6	21.06	1.32	20.23	<=34.77	Pass
			13	21.00	1.32	20.17	<=34.77	Pass
		25	0	21.04	1.32	20.21	<=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	22.77	1.32	21.94	<=34.77	Pass
			25	23.04	1.32	22.21	<=34.77	Pass
			49	22.80	1.32	21.97	<=34.77	Pass
		25	0	21.78	1.32	20.95	<=34.77	Pass
			13	21.93	1.32	21.10	<=34.77	Pass
			25	21.84	1.32	21.01	<=34.77	Pass
		50	0	21.86	1.32	21.03	<=34.77	Pass
	680.5	1	0	23.02	1.32	22.19	<=34.77	Pass
			25	23.18	1.32	22.35	<=34.77	Pass
			49	22.99	1.32	22.16	<=34.77	Pass
		25	0	22.12	1.32	21.29	<=34.77	Pass
			13	22.21	1.32	21.38	<=34.77	Pass
			25	22.14	1.32	21.31	<=34.77	Pass
		50	0	22.21	1.32	21.38	<=34.77	Pass
	693	1	0	23.13	1.32	22.30	<=34.77	Pass
			25	23.42	1.32	22.59	<=34.77	Pass
			49	23.10	1.32	22.27	<=34.77	Pass
		25	0	22.15	1.32	21.32	<=34.77	Pass
			13	22.16	1.32	21.33	<=34.77	Pass
			25	22.13	1.32	21.30	<=34.77	Pass
		50	0	22.11	1.32	21.28	<=34.77	Pass
16QAM	668	1	0	22.10	1.32	21.27	<=34.77	Pass
			25	22.34	1.32	21.51	<=34.77	Pass
			49	22.16	1.32	21.33	<=34.77	Pass
		25	0	20.89	1.32	20.06	<=34.77	Pass
			13	20.81	1.32	19.98	<=34.77	Pass
			25	20.87	1.32	20.04	<=34.77	Pass
		50	0	21.01	1.32	20.18	<=34.77	Pass
	680.5	1	0	22.76	1.32	21.93	<=34.77	Pass
			25	22.63	1.32	21.80	<=34.77	Pass
			49	22.95	1.32	22.12	<=34.77	Pass
		25	0	21.30	1.32	20.47	<=34.77	Pass
			13	21.45	1.32	20.62	<=34.77	Pass
			25	21.46	1.32	20.63	<=34.77	Pass
		50	0	21.04	1.32	20.21	<=34.77	Pass
	693	1	0	22.04	1.32	21.21	<=34.77	Pass
			25	22.01	1.32	21.18	<=34.77	Pass
			49	21.78	1.32	20.95	<=34.77	Pass
		25	0	21.26	1.32	20.43	<=34.77	Pass
			13	21.27	1.32	20.44	<=34.77	Pass
			25	21.23	1.32	20.40	<=34.77	Pass
		50	0	21.15	1.32	20.32	<=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	22.67	1.32	21.84	<=34.77	Pass
			38	22.83	1.32	22.00	<=34.77	Pass
			74	22.98	1.32	22.15	<=34.77	Pass
		36	0	21.79	1.32	20.96	<=34.77	Pass
			18	21.84	1.32	21.01	<=34.77	Pass
			39	21.98	1.32	21.15	<=34.77	Pass

		75	0	21.97	1.32	21.14	<=34.77	Pass
	680.5	1	0	22.83	1.32	22.00	<=34.77	Pass
			38	23.08	1.32	22.25	<=34.77	Pass
			74	22.99	1.32	22.16	<=34.77	Pass
		36	0	22.04	1.32	21.21	<=34.77	Pass
			18	22.17	1.32	21.34	<=34.77	Pass
			39	22.14	1.32	21.31	<=34.77	Pass
		75	0	22.16	1.32	21.33	<=34.77	Pass
	690.5	1	0	22.99	1.32	22.16	<=34.77	Pass
			38	23.09	1.32	22.26	<=34.77	Pass
			74	23.00	1.32	22.17	<=34.77	Pass
		36	0	22.14	1.32	21.31	<=34.77	Pass
			18	22.17	1.32	21.34	<=34.77	Pass
			39	22.08	1.32	21.25	<=34.77	Pass
		75	0	22.12	1.32	21.29	<=34.77	Pass
16QAM	670.5	1	0	22.14	1.32	21.31	<=34.77	Pass
			38	22.30	1.32	21.47	<=34.77	Pass
			74	22.43	1.32	21.60	<=34.77	Pass
		36	0	20.89	1.32	20.06	<=34.77	Pass
			18	21.00	1.32	20.17	<=34.77	Pass
			39	21.07	1.32	20.24	<=34.77	Pass
		75	0	20.89	1.32	20.06	<=34.77	Pass
	680.5	1	0	22.27	1.32	21.44	<=34.77	Pass
			38	23.46	1.32	22.63	<=34.77	Pass
			74	22.89	1.32	22.06	<=34.77	Pass
		36	0	21.05	1.32	20.22	<=34.77	Pass
			18	21.19	1.32	20.36	<=34.77	Pass
			39	20.95	1.32	20.12	<=34.77	Pass
		75	0	21.15	1.32	20.32	<=34.77	Pass
	690.5	1	0	22.48	1.32	21.65	<=34.77	Pass
			38	22.12	1.32	21.29	<=34.77	Pass
			74	21.55	1.32	20.72	<=34.77	Pass
		36	0	21.15	1.32	20.32	<=34.77	Pass
			18	21.28	1.32	20.45	<=34.77	Pass
			39	21.09	1.32	20.26	<=34.77	Pass
		75	0	21.13	1.32	20.30	<=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	22.59	1.32	21.76	<=34.77	Pass
			50	23.09	1.32	22.26	<=34.77	Pass
			99	23.02	1.32	22.19	<=34.77	Pass
		50	0	21.90	1.32	21.07	<=34.77	Pass
			25	22.01	1.32	21.18	<=34.77	Pass
			50	22.02	1.32	21.19	<=34.77	Pass
		100	0	21.95	1.32	21.12	<=34.77	Pass
	683	1	0	22.91	1.32	22.08	<=34.77	Pass
			50	23.44	1.32	22.61	<=34.77	Pass
			99	22.86	1.32	22.03	<=34.77	Pass
		50	0	22.09	1.32	21.26	<=34.77	Pass
			25	22.19	1.32	21.36	<=34.77	Pass
			50	22.18	1.32	21.35	<=34.77	Pass
		100	0	22.16	1.32	21.33	<=34.77	Pass

	688	1	0	22.88	1.32	22.05	<=34.77	Pass
			50	23.40	1.32	22.57	<=34.77	Pass
			99	22.89	1.32	22.06	<=34.77	Pass
		50	0	22.16	1.32	21.33	<=34.77	Pass
			25	22.17	1.32	21.34	<=34.77	Pass
			50	22.06	1.32	21.23	<=34.77	Pass
		100	0	22.10	1.32	21.27	<=34.77	Pass
16QAM	673	1	0	22.05	1.32	21.22	<=34.77	Pass
			50	22.46	1.32	21.63	<=34.77	Pass
			99	21.98	1.32	21.15	<=34.77	Pass
		50	0	20.90	1.32	20.07	<=34.77	Pass
			25	21.11	1.32	20.28	<=34.77	Pass
			50	21.04	1.32	20.21	<=34.77	Pass
		100	0	20.94	1.32	20.11	<=34.77	Pass
	683	1	0	21.94	1.32	21.11	<=34.77	Pass
			50	22.30	1.32	21.47	<=34.77	Pass
			99	21.56	1.32	20.73	<=34.77	Pass
		50	0	21.24	1.32	20.41	<=34.77	Pass
			25	21.21	1.32	20.38	<=34.77	Pass
			50	21.20	1.32	20.37	<=34.77	Pass
		100	0	21.19	1.32	20.36	<=34.77	Pass
	688	1	0	22.95	1.32	22.12	<=34.77	Pass
			50	23.61	1.32	22.78	<=34.77	Pass
			99	22.82	1.32	21.99	<=34.77	Pass
		50	0	21.16	1.32	20.33	<=34.77	Pass
			25	21.08	1.32	20.25	<=34.77	Pass
			50	21.07	1.32	20.24	<=34.77	Pass
		100	0	21.15	1.32	20.32	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	673	100	0	20	3.55	0.215	0.0003	/	Pass
					4	-0.315	-0.0005	/	Pass
					4.4	-0.243	-0.0004	/	Pass
				-30	4	-0.401	-0.0006	/	Pass
				-20	4	-0.372	-0.0006	/	Pass
				-10	4	-0.587	-0.0009	/	Pass
				0	4	-0.286	-0.0004	/	Pass
				10	4	-0.215	-0.0003	/	Pass
				30	4	-0.587	-0.0009	/	Pass
				40	4	-1.044	-0.0016	/	Pass
				50	4	-0.958	-0.0014	/	Pass
	683	100	0	20	3.55	-0.458	-0.0007	/	Pass
					4	-0.901	-0.0013	/	Pass
					4.4	-0.587	-0.0009	/	Pass
				-30	4	-0.587	-0.0009	/	Pass
				-20	4	-0.701	-0.0010	/	Pass
				-10	4	-0.973	-0.0014	/	Pass
				0	4	-0.544	-0.0008	/	Pass

				10	4	-0.844	-0.0012	/	Pass
				30	4	0.157	0.0002	/	Pass
				40	4	-0.157	-0.0002	/	Pass
				50	4	-0.944	-0.0014	/	Pass
	688	100	0	20	3.55	-0.014	0.0000	/	Pass
					4	-0.043	-0.0001	/	Pass
					4.4	0.029	0.0000	/	Pass
				-30	4	0.000	0.0000	/	Pass
				-20	4	-0.486	-0.0007	/	Pass
				-10	4	0.629	0.0009	/	Pass
				0	4	-1.001	-0.0015	/	Pass
				10	4	0.558	0.0008	/	Pass
				30	4	-0.830	-0.0012	/	Pass
				40	4	0.715	0.0010	/	Pass
				50	4	-0.458	-0.0007	/	Pass
16QAM	673	100	0	20	3.55	-0.515	-0.0008	/	Pass
					4	0.529	0.0008	/	Pass
					4.4	-1.059	-0.0016	/	Pass
				-30	4	-0.343	-0.0005	/	Pass
				-20	4	-0.772	-0.0011	/	Pass
				-10	4	-1.860	-0.0028	/	Pass
				0	4	-1.645	-0.0024	/	Pass
				10	4	-1.817	-0.0027	/	Pass
				30	4	0.043	0.0001	/	Pass
				40	4	-1.087	-0.0016	/	Pass
				50	4	-1.616	-0.0024	/	Pass
	683	100	0	20	3.55	0.386	0.0006	/	Pass
					4	-0.830	-0.0012	/	Pass
					4.4	-1.817	-0.0027	/	Pass
				-30	4	-0.758	-0.0011	/	Pass
				-20	4	-0.715	-0.0010	/	Pass
				-10	4	-0.587	-0.0009	/	Pass
				0	4	-0.358	-0.0005	/	Pass
				10	4	-0.114	-0.0002	/	Pass
				30	4	-1.903	-0.0028	/	Pass
				40	4	-1.044	-0.0015	/	Pass
				50	4	-1.259	-0.0018	/	Pass
	688	100	0	20	3.55	-0.257	-0.0004	/	Pass
					4	0.200	0.0003	/	Pass
					4.4	-1.202	-0.0017	/	Pass
				-30	4	0.057	0.0001	/	Pass
				-20	4	-1.245	-0.0018	/	Pass
				-10	4	-0.343	-0.0005	/	Pass
				0	4	-1.101	-0.0016	/	Pass
				10	4	-1.459	-0.0021	/	Pass
				30	4	-0.558	-0.0008	/	Pass
				40	4	-1.545	-0.0022	/	Pass
				50	4	-0.215	-0.0003	/	Pass

3. Field Strength of Spurious Radiation

LTE Band 71-Low channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1328.0	-52.29	-13	-39.29	-54.68	2.4	4.79	Horizontal	Pass
1992.0	-60.05	-13	-47.05	-61.97	2.72	4.64	Horizontal	Pass
2656.0	-67.08	-13	-54.08	-70.14	3.1	6.16	Horizontal	Pass
1328.0	-62.5	-13	-49.5	-64.89	2.4	4.79	Vertical	Pass
1992.0	-68.22	-13	-55.22	-70.14	2.72	4.64	Vertical	Pass
2656.0	-67.47	-13	-54.47	-70.53	3.1	6.16	Vertical	Pass

LTE Band 71-Middle channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1348.0	-70.64	-13	-57.64	-73.14	2.42	4.92	Horizontal	Pass
2022.0	-70.61	-13	-57.61	-72.54	2.74	4.67	Horizontal	Pass
2696.0	-68.59	-13	-55.59	-71.73	3.11	6.25	Horizontal	Pass
1348.0	-70.85	-13	-57.85	-73.35	2.42	4.92	Vertical	Pass
2022.0	-70.71	-13	-57.71	-72.64	2.74	4.67	Vertical	Pass
2696.0	-68.77	-13	-55.77	-71.91	3.11	6.25	Vertical	Pass

LTE Band 71-High channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1358.0	-60.43	-13	-47.43	-62.98	2.43	4.98	Horizontal	Pass
2037.0	-70.12	-13	-57.12	-72.08	2.75	4.71	Horizontal	Pass
2716.0	-67.77	-13	-54.77	-70.96	3.11	6.3	Horizontal	Pass
1358.0	-62.45	-13	-49.45	-65.0	2.43	4.98	Vertical	Pass
2037.0	-70.59	-13	-57.59	-72.55	2.75	4.71	Vertical	Pass
2716.0	-67.36	-13	-54.36	-70.55	3.11	6.3	Vertical	Pass

4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band71_OBW

Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	4.521	/	Pass
		680.5	25	0	4.544	/	Pass
		695.5	25	0	4.566	/	Pass
	16QAM	665.5	25	0	4.539	/	Pass
		680.5	25	0	4.548	/	Pass
		695.5	25	0	4.538	/	Pass
10	QPSK	668	50	0	9.027	/	Pass
		680.5	50	0	9.053	/	Pass
		693	50	0	9.032	/	Pass
	16QAM	668	50	0	9.013	/	Pass
		680.5	50	0	9.033	/	Pass
		693	50	0	9.032	/	Pass
15	QPSK	670.5	75	0	13.508	/	Pass
		680.5	75	0	13.495	/	Pass
		690.5	75	0	13.520	/	Pass
	16QAM	670.5	75	0	13.487	/	Pass
		680.5	75	0	13.509	/	Pass
		690.5	75	0	13.549	/	Pass
20	QPSK	673	100	0	18.029	/	Pass
		683	100	0	18.021	/	Pass
		688	100	0	17.981	/	Pass
	16QAM	673	100	0	18.059	/	Pass
		683	100	0	18.012	/	Pass
		688	100	0	18.010	/	Pass

4.1.2 Band71_XDB

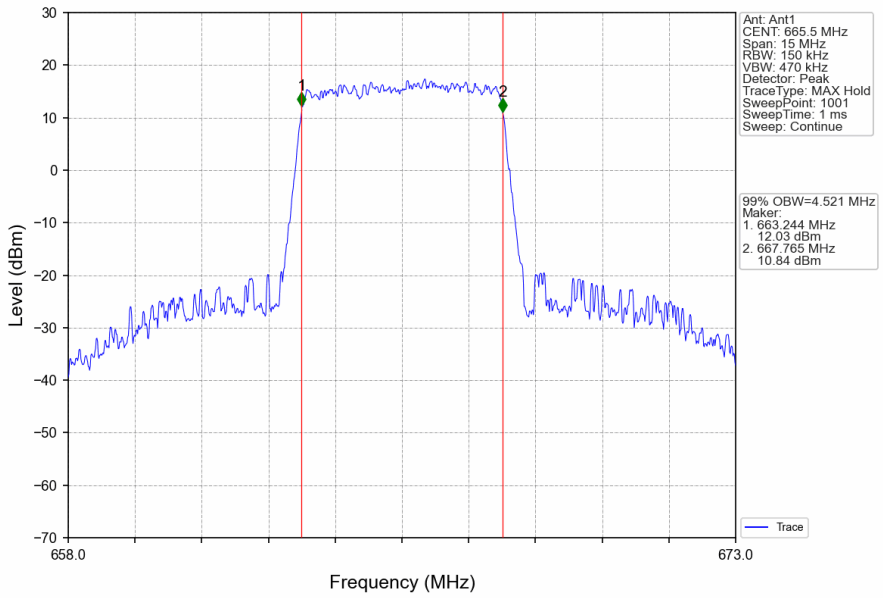
Band: 71 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	665.5	25	0	5.031	/	Pass
		680.5	25	0	5.059	/	Pass
		695.5	25	0	5.043	/	Pass
	16QAM	665.5	25	0	5.048	/	Pass
		680.5	25	0	5.101	/	Pass
		695.5	25	0	5.053	/	Pass
10	QPSK	668	50	0	9.985	/	Pass
		680.5	50	0	10.045	/	Pass
		693	50	0	10.027	/	Pass
	16QAM	668	50	0	9.979	/	Pass
		680.5	50	0	10.009	/	Pass
		693	50	0	10.012	/	Pass
15	QPSK	670.5	75	0	14.948	/	Pass
		680.5	75	0	14.967	/	Pass
		690.5	75	0	14.831	/	Pass
	16QAM	670.5	75	0	14.796	/	Pass
		680.5	75	0	14.927	/	Pass

		690.5	75	0	14.906	/	Pass
20	QPSK	673	100	0	19.645	/	Pass
		683	100	0	19.770	/	Pass
		688	100	0	19.633	/	Pass
	16QAM	673	100	0	19.674	/	Pass
		683	100	0	19.728	/	Pass
		688	100	0	19.727	/	Pass

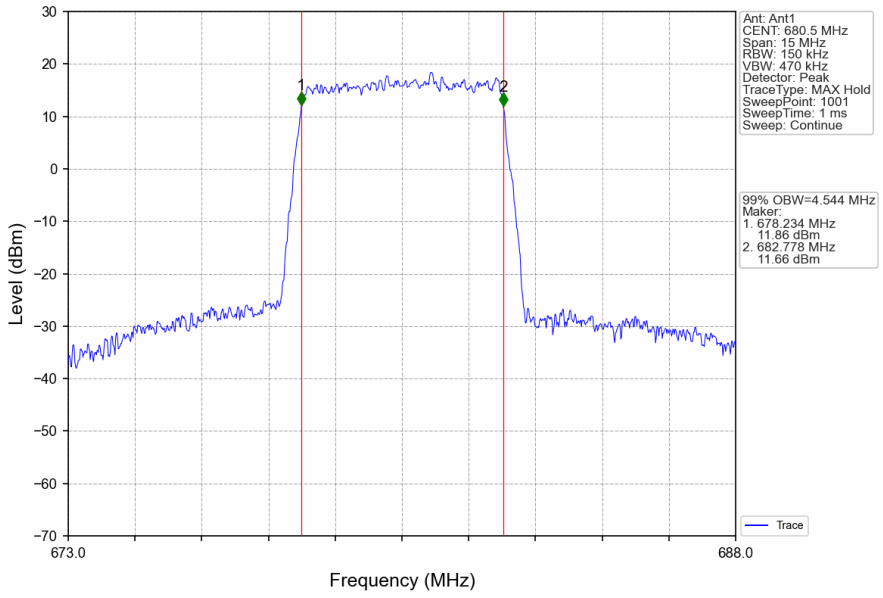
4.2 Test Graph

4.2.1 Band71_OBW

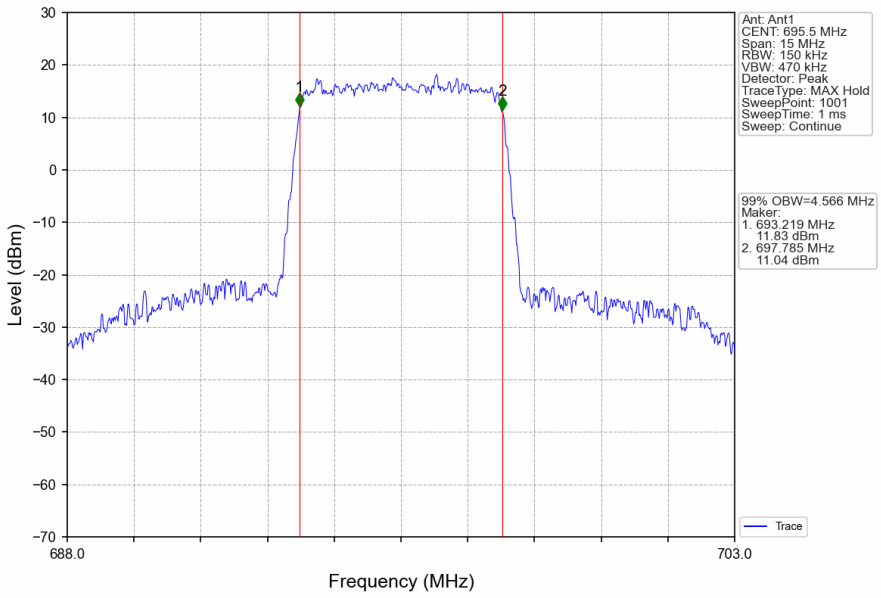
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



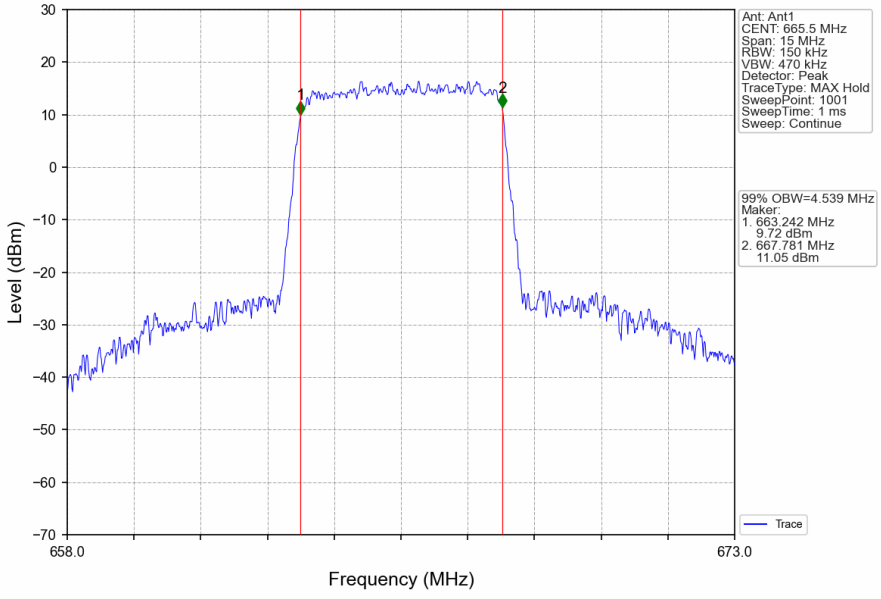
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



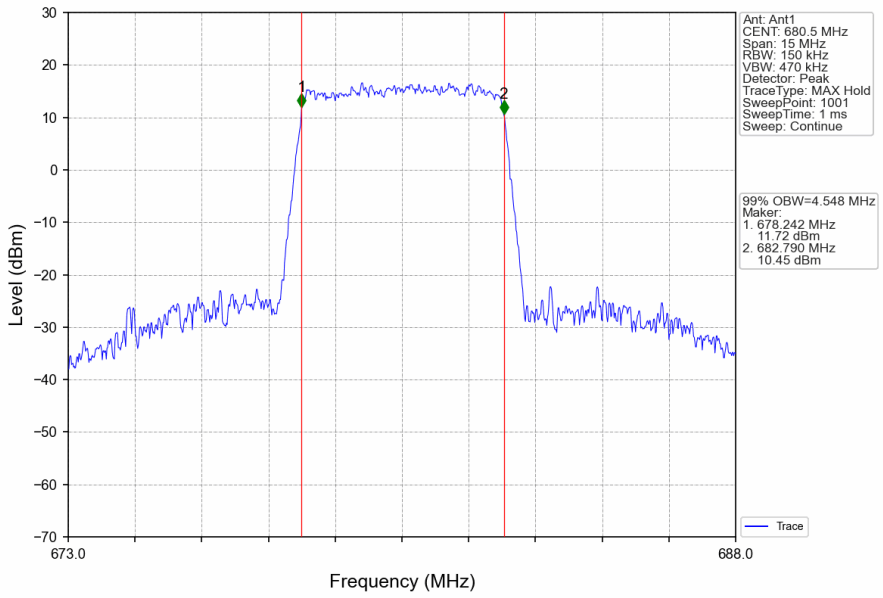
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



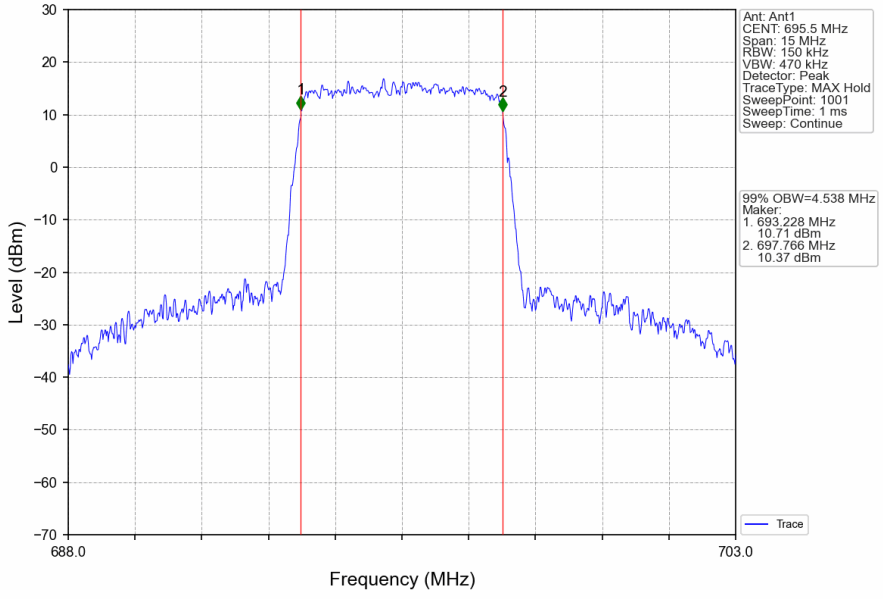
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



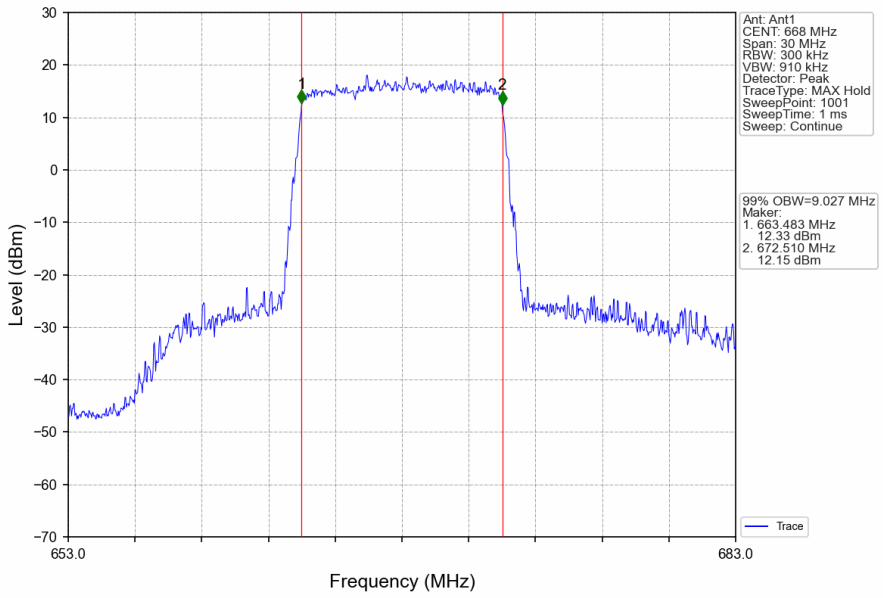
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



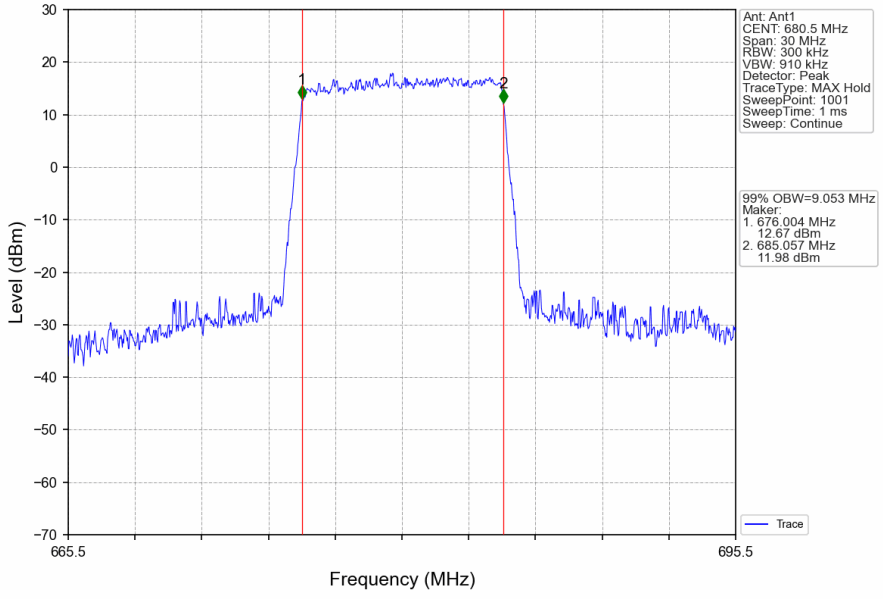
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



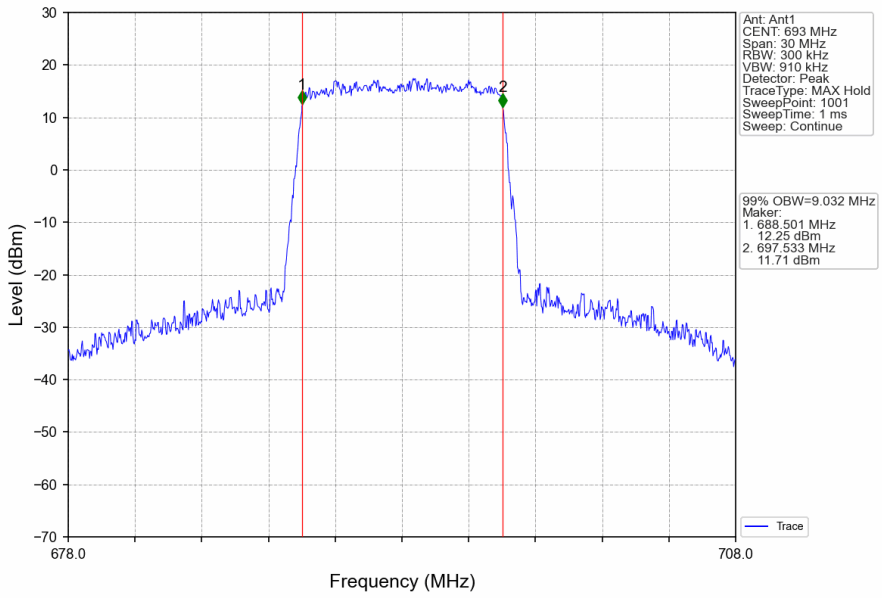
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



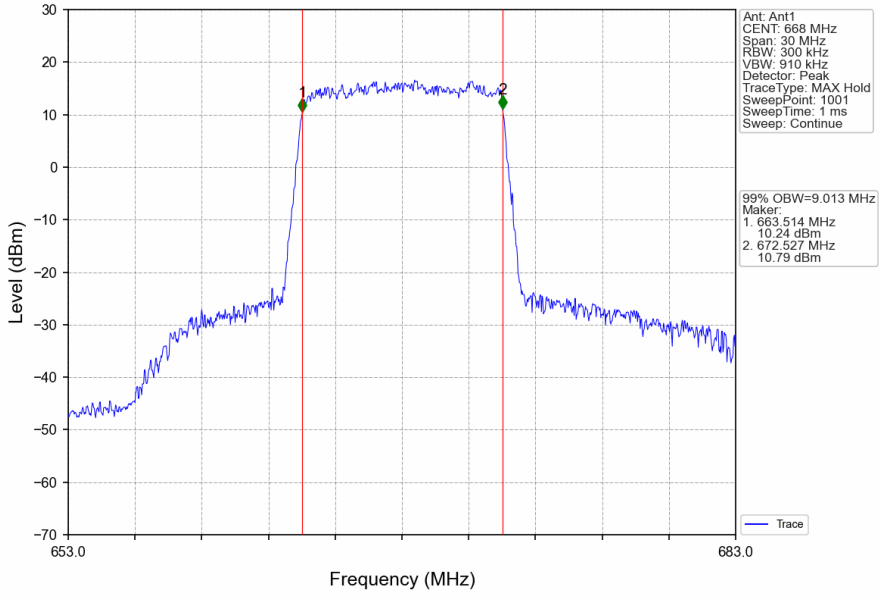
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



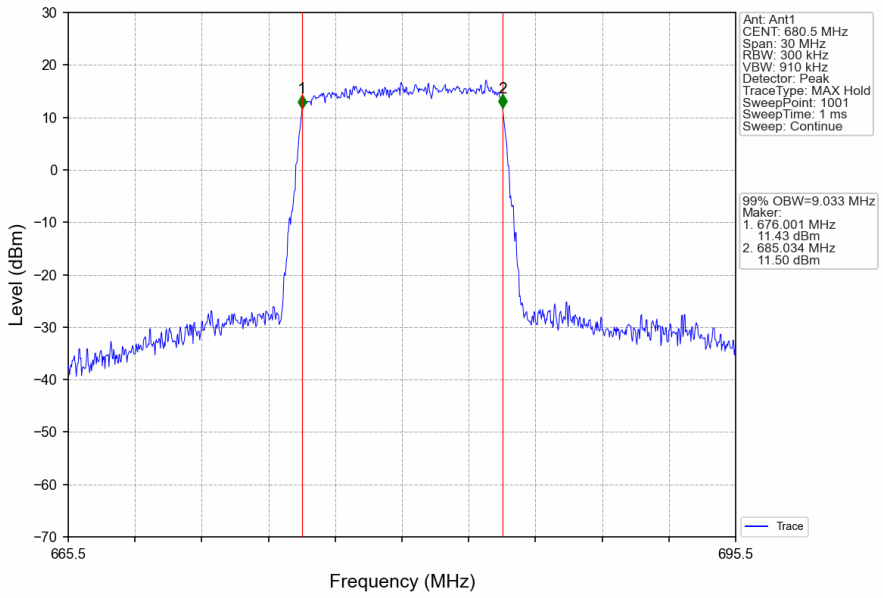
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



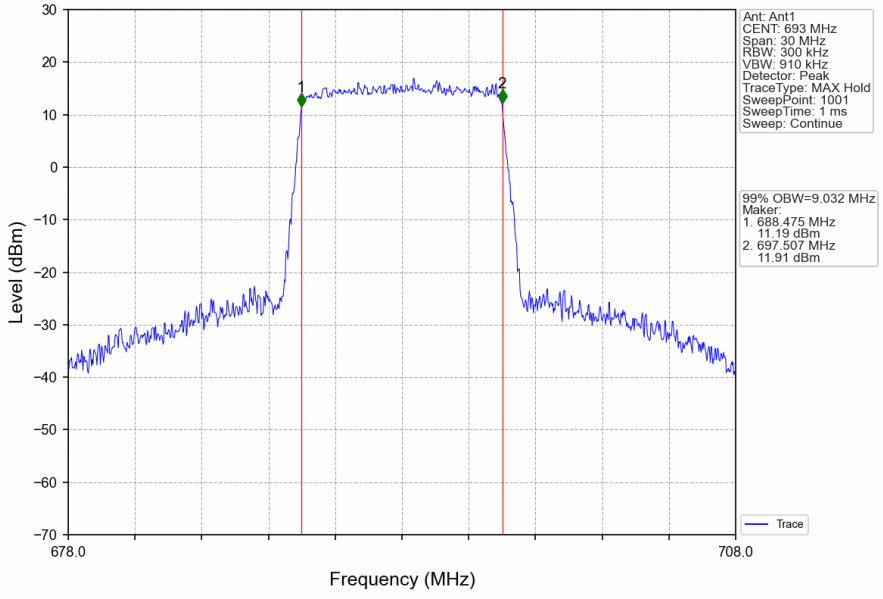
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



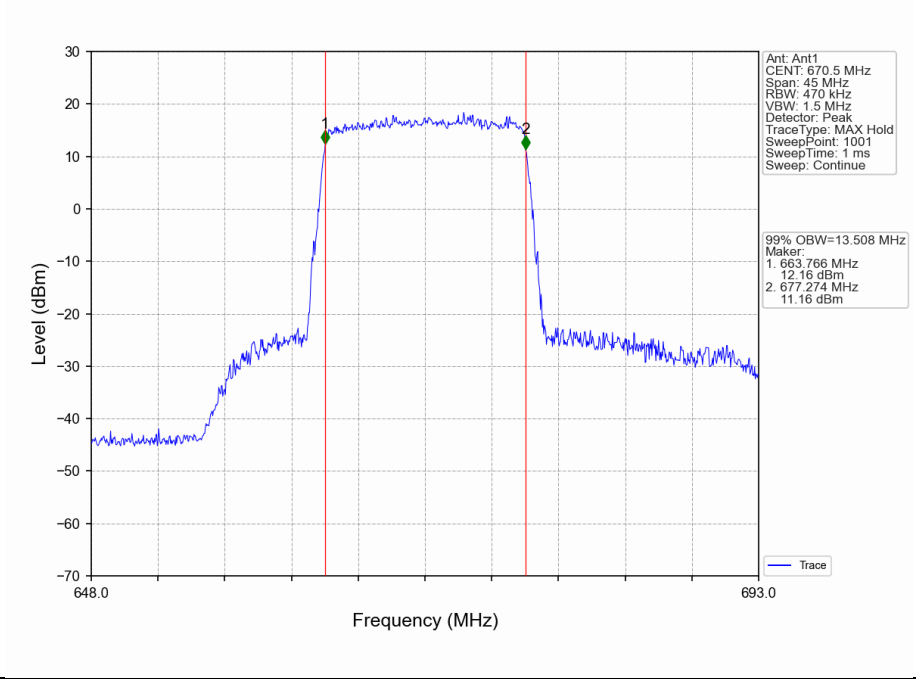
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



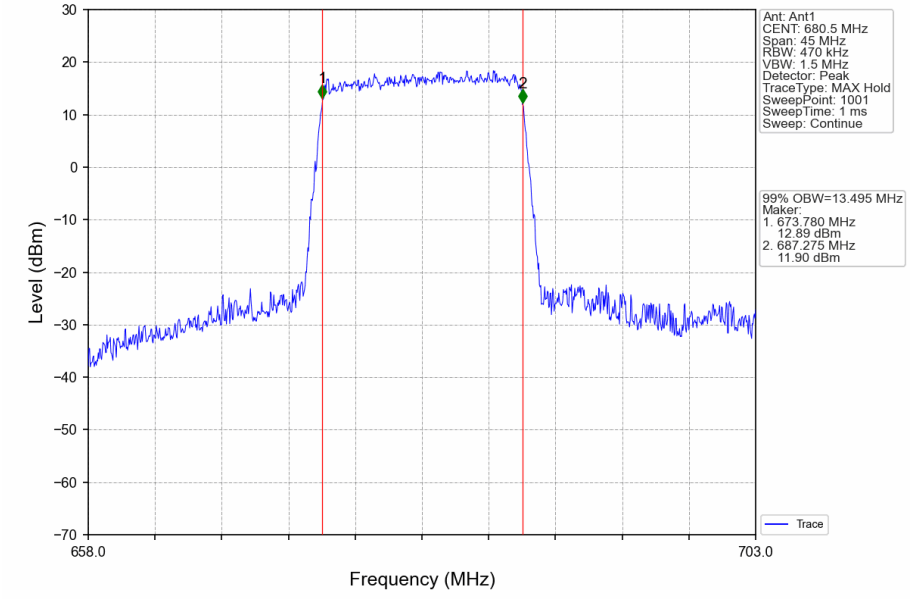
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



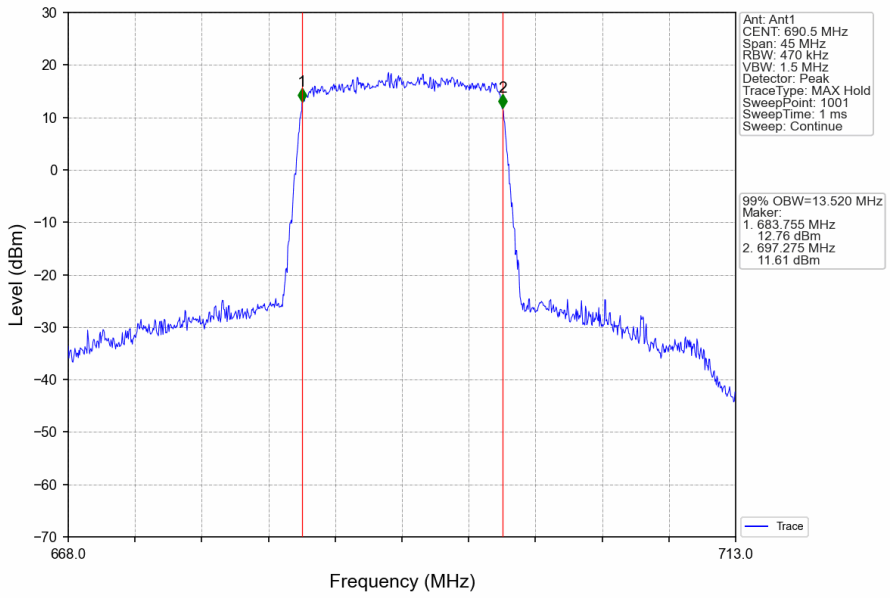
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



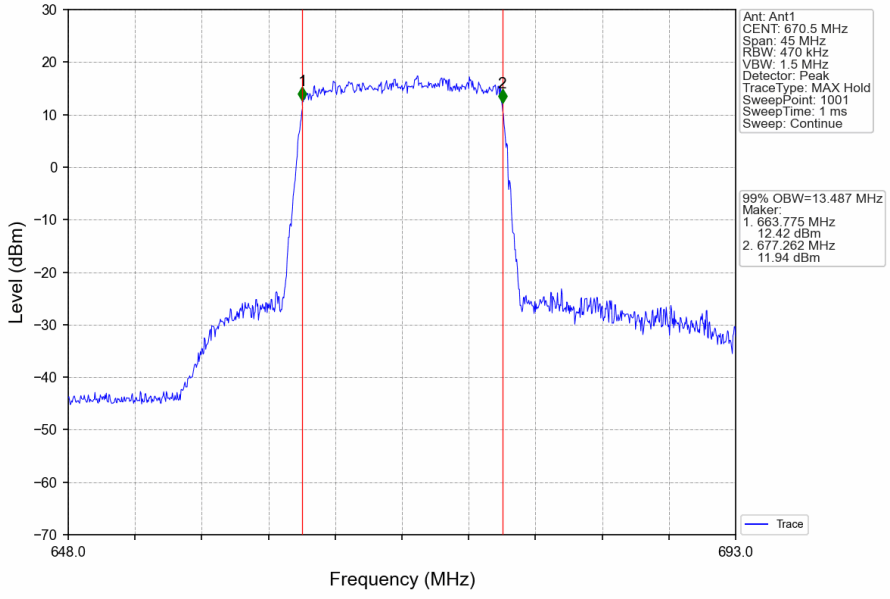
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



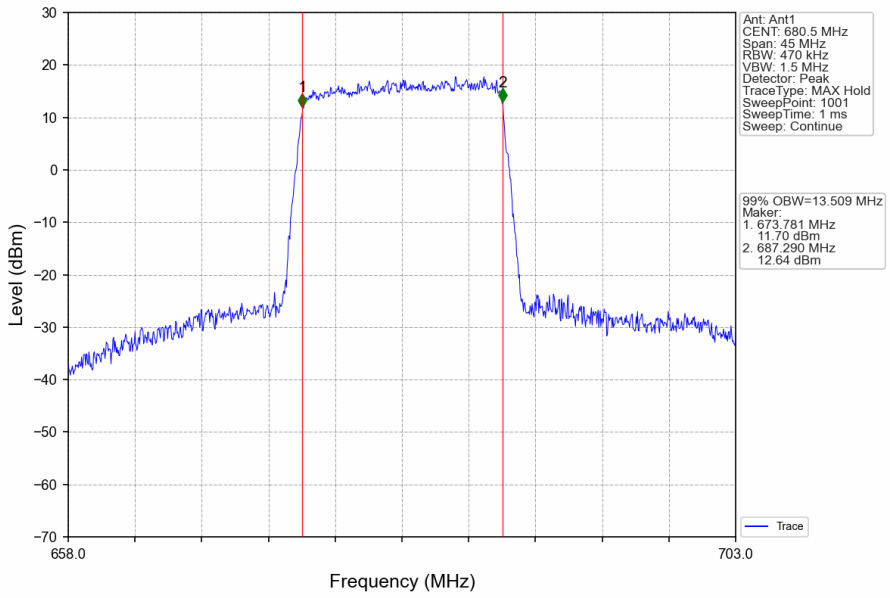
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



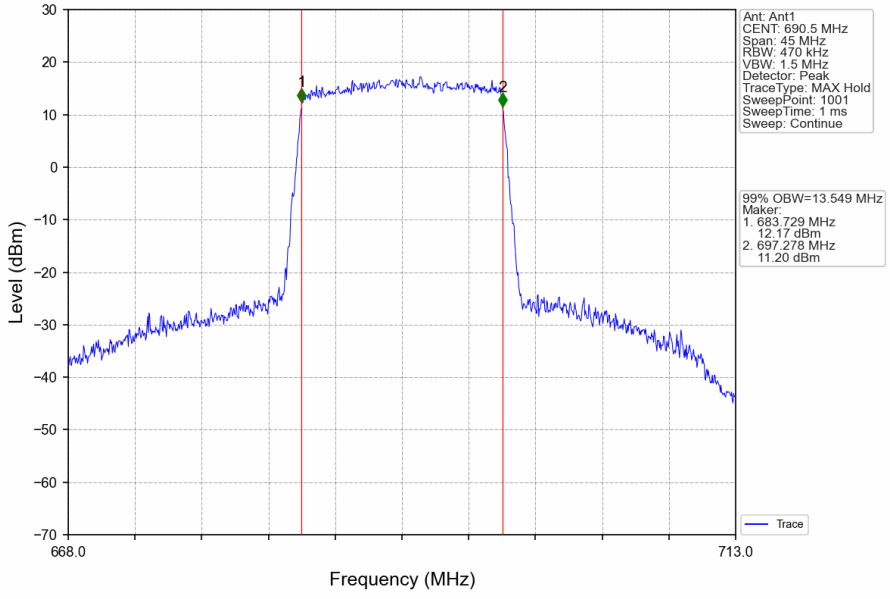
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



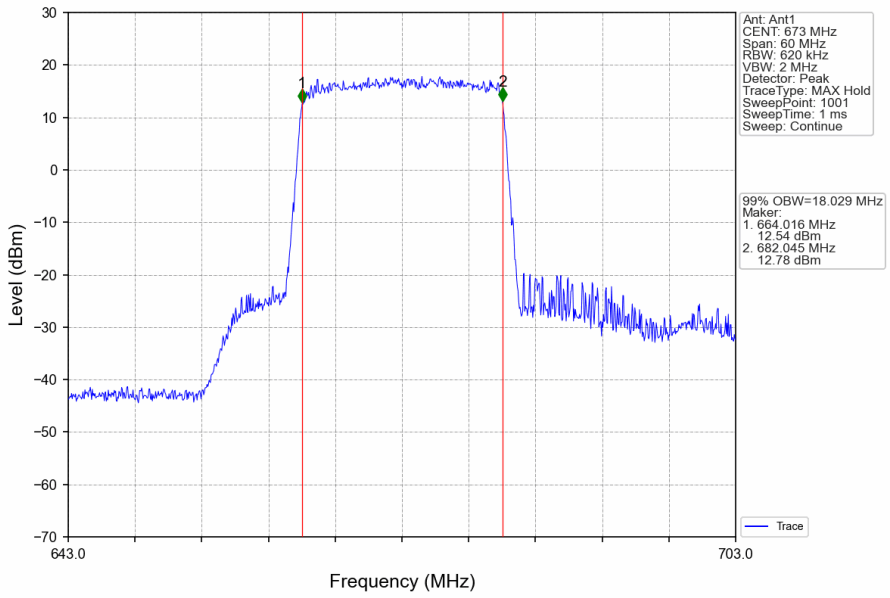
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



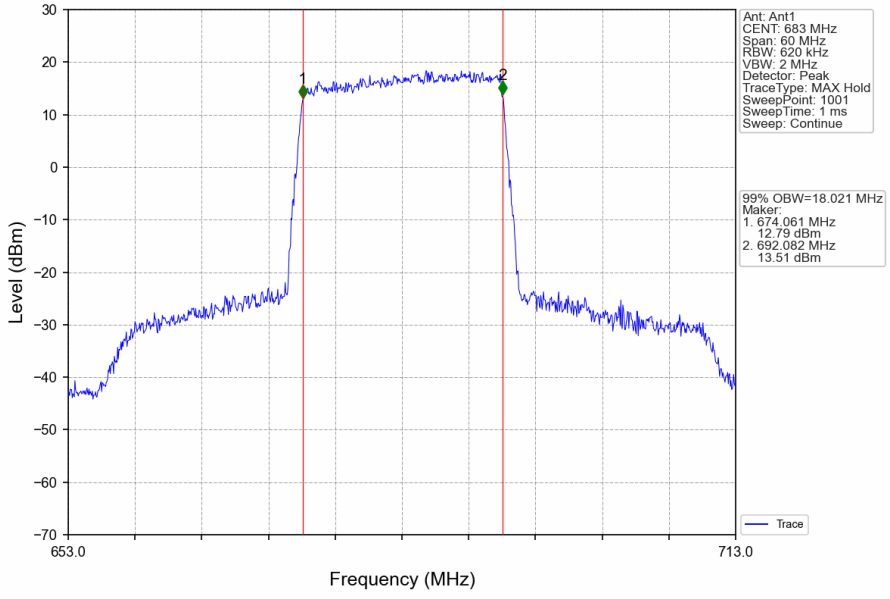
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



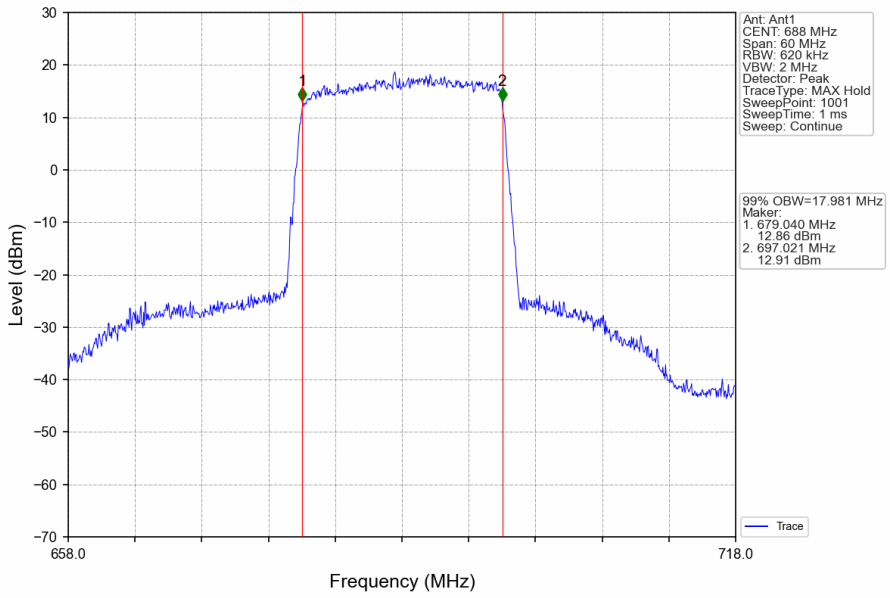
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



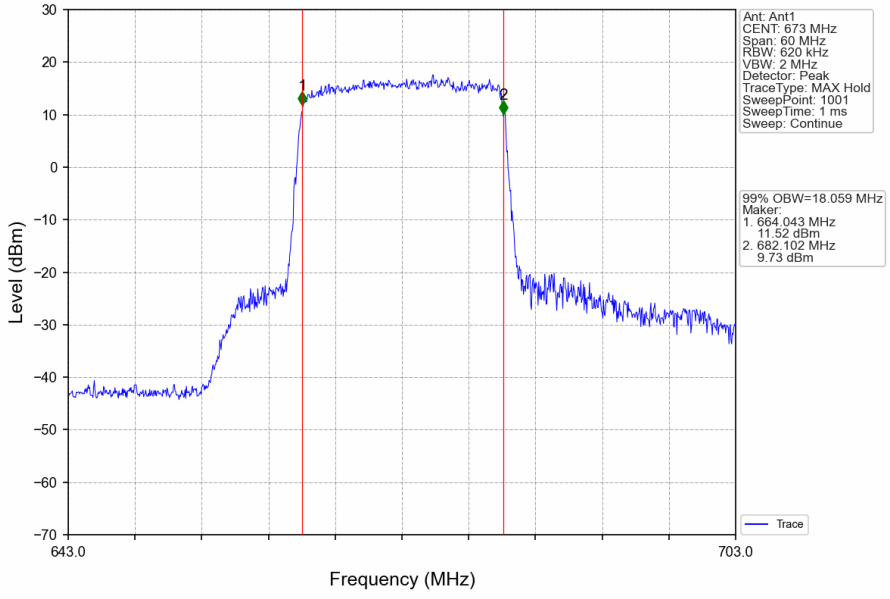
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



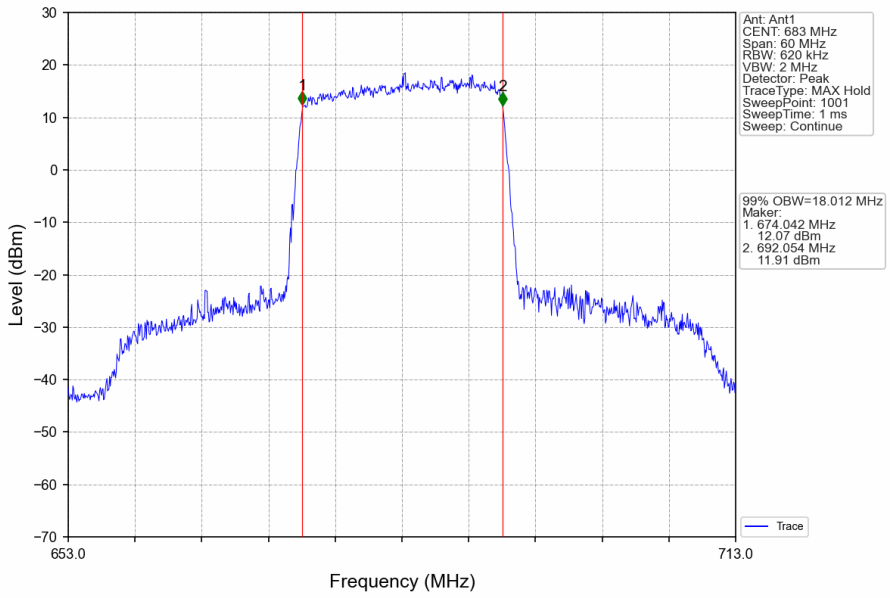
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



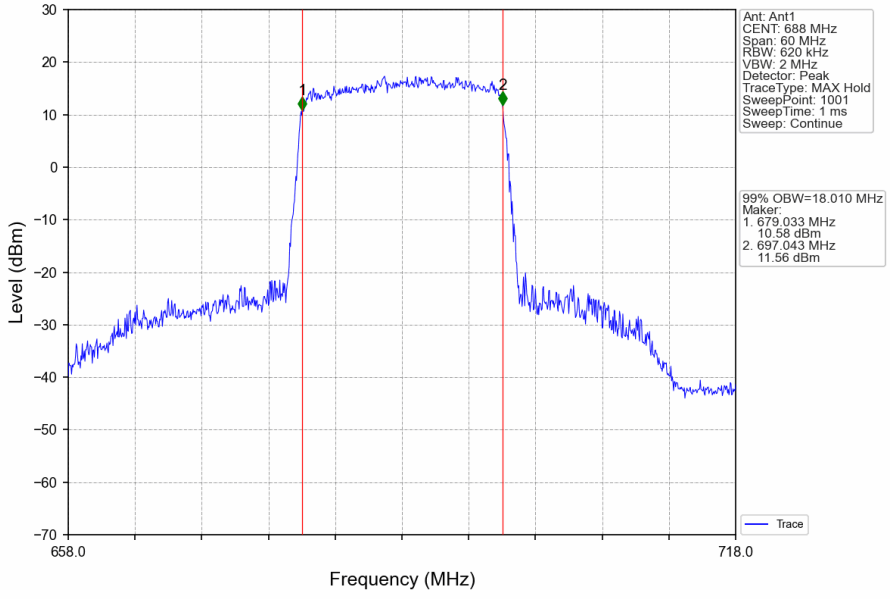
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV

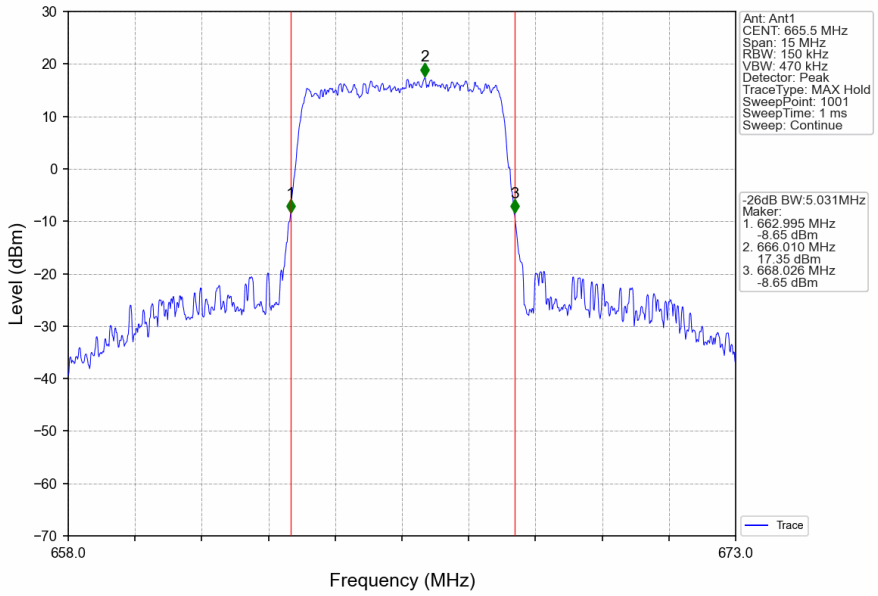


Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV

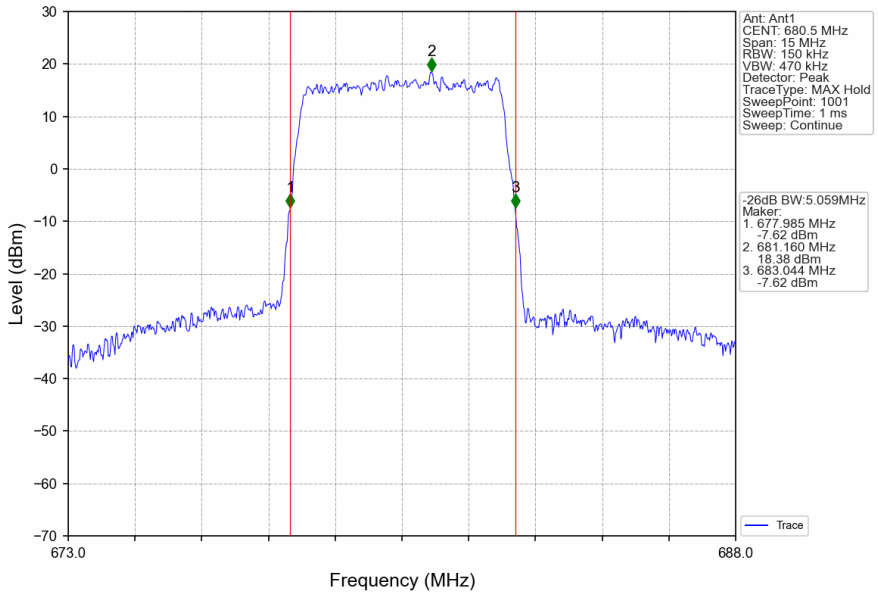


4.2.2 Band71_XDB

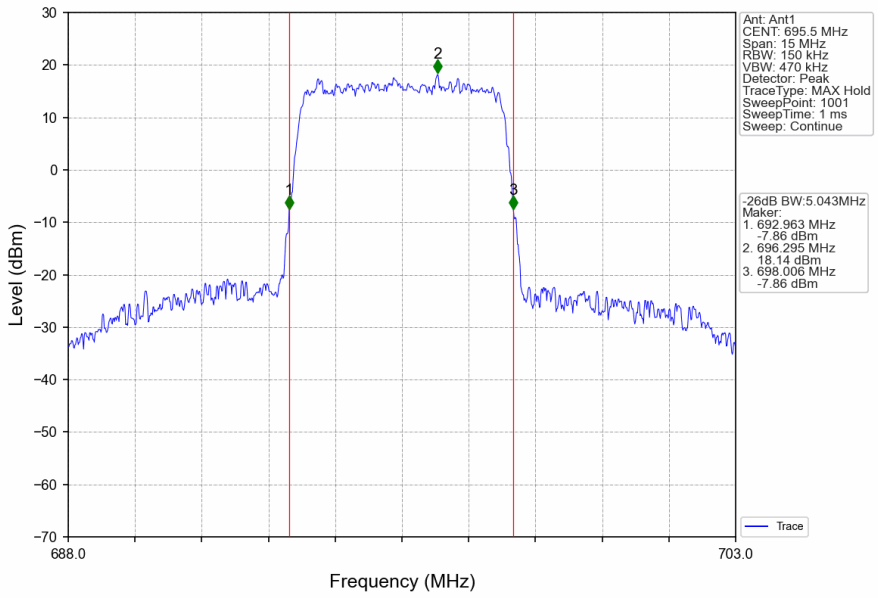
Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV



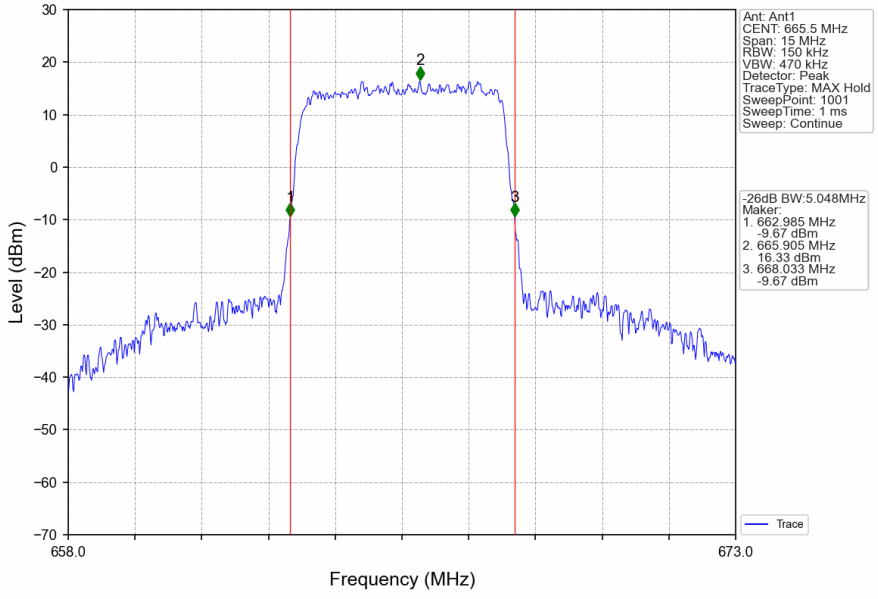
Band71_5MHz_QPSK_MCH_680.5MHz_RB_25_0_NTNV



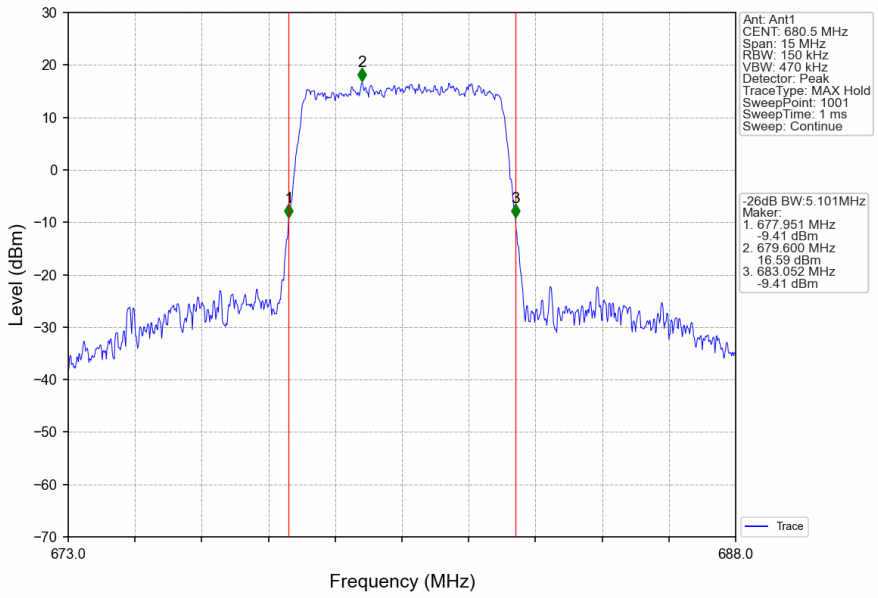
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



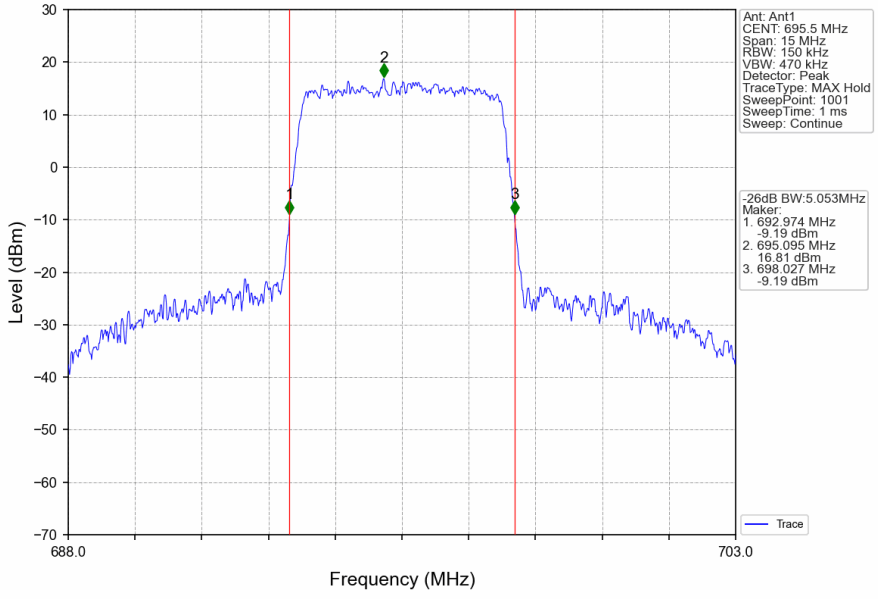
Band71_5MHz_16QAM_LCH_665.5MHz_RB_25_0_NTNV



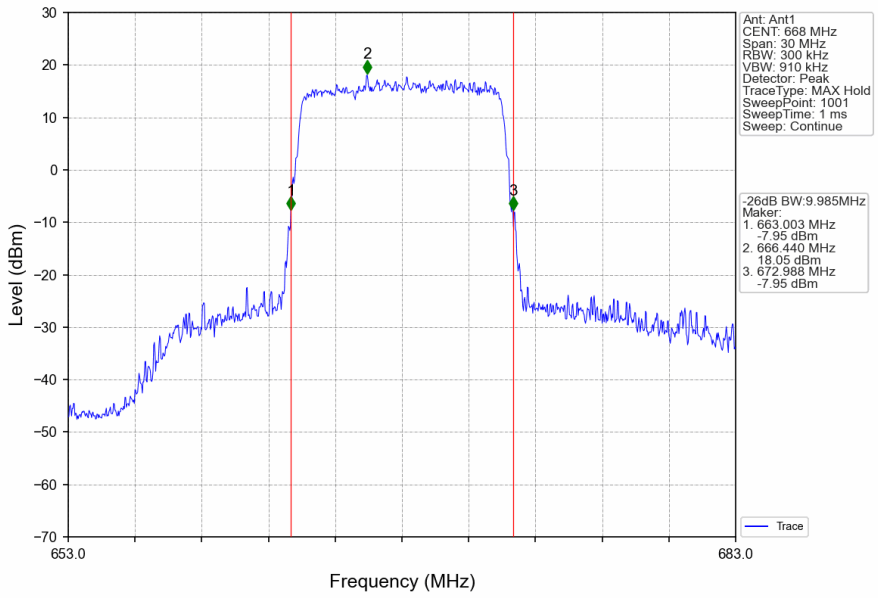
Band71_5MHz_16QAM_MCH_680.5MHz_RB_25_0_NTNV



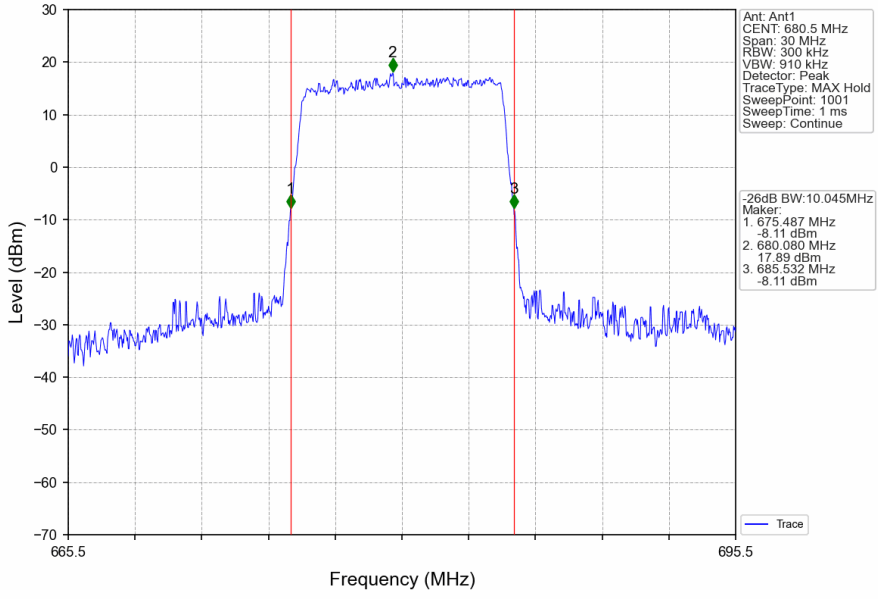
Band71_5MHz_16QAM_HCH_695.5MHz_RB_25_0_NTNV



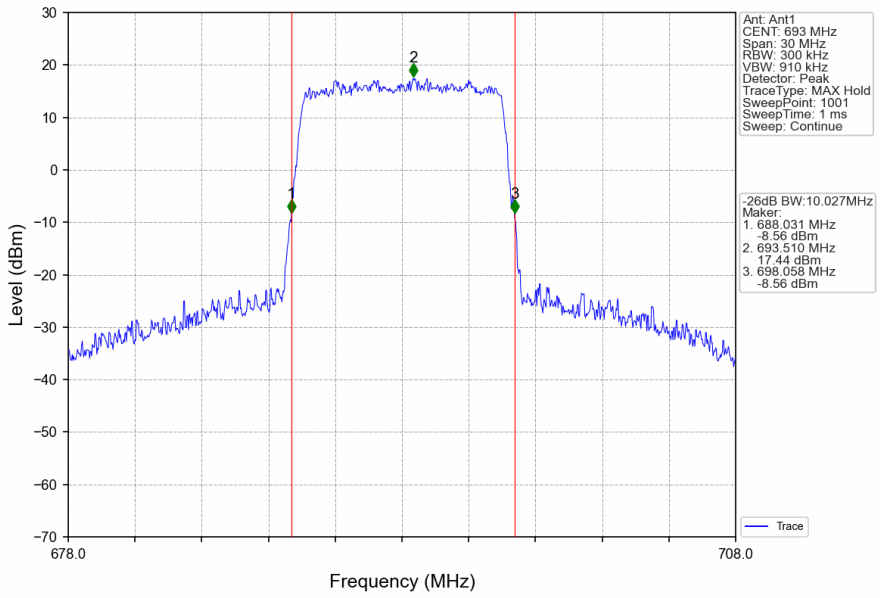
Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV



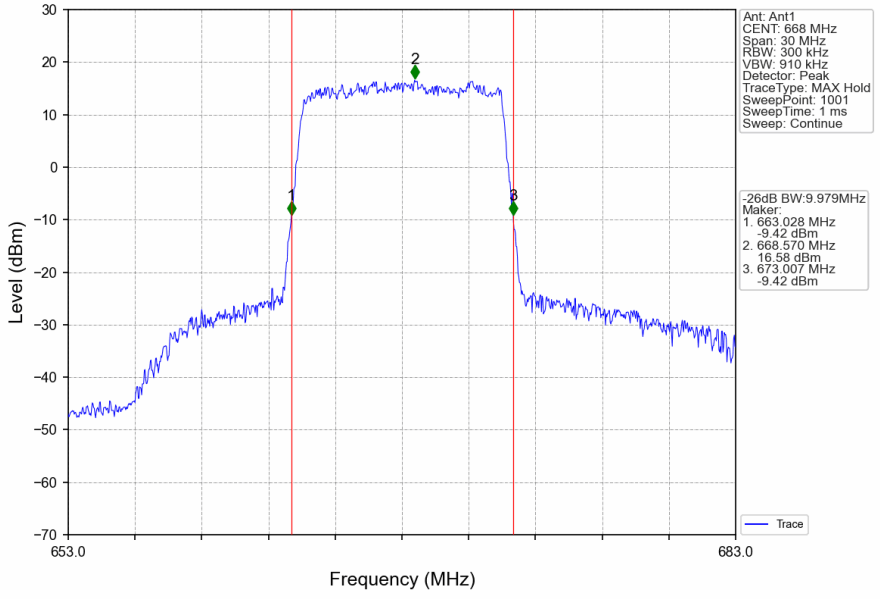
Band71_10MHz_QPSK_MCH_680.5MHz_RB_50_0_NTNV



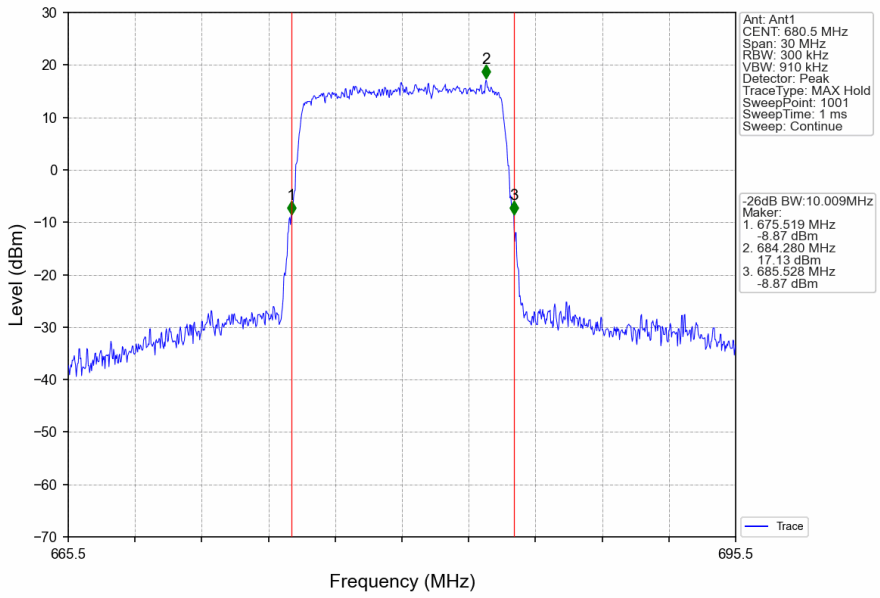
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



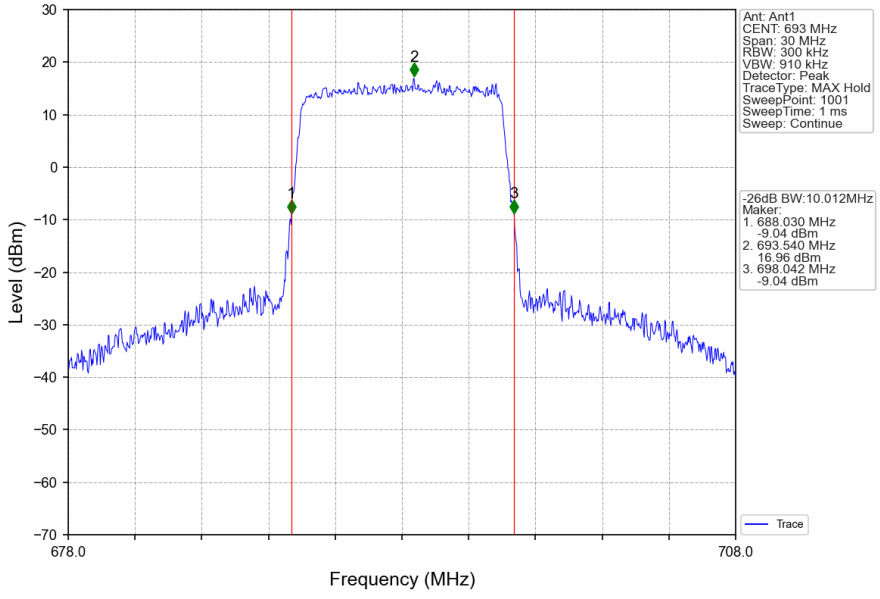
Band71_10MHz_16QAM_LCH_668MHz_RB_50_0_NTNV



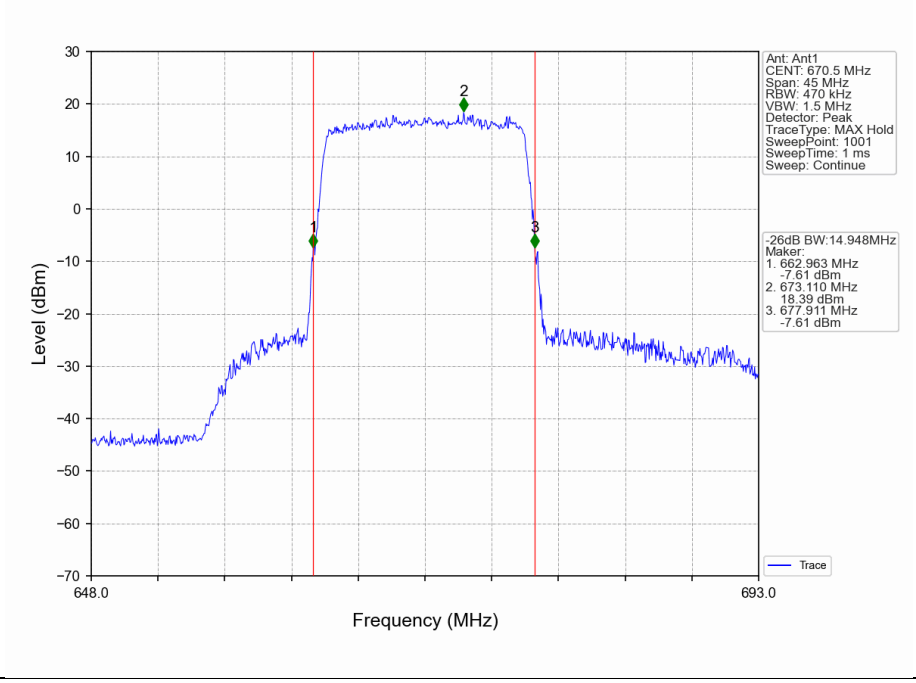
Band71_10MHz_16QAM_MCH_680.5MHz_RB_50_0_NTNV



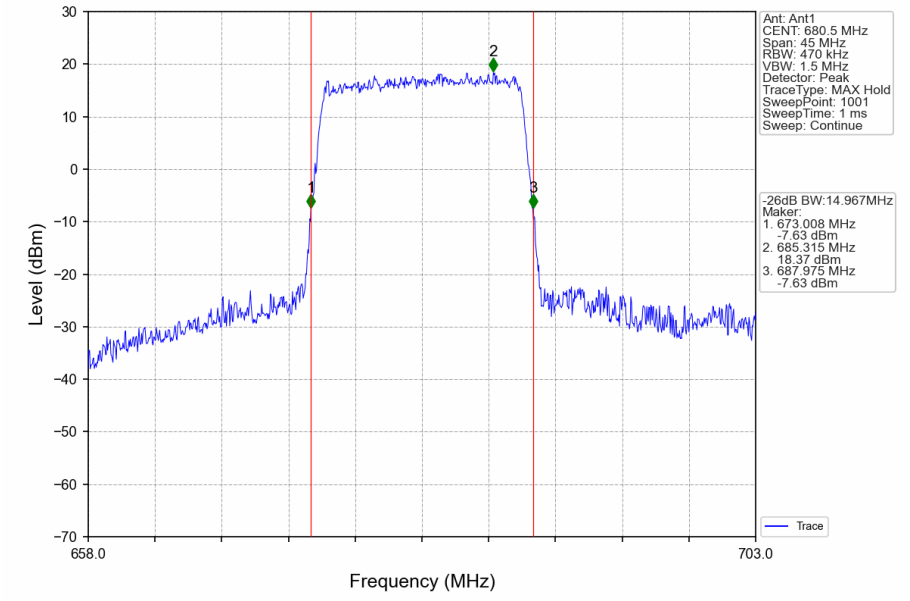
Band71_10MHz_16QAM_HCH_693MHz_RB_50_0_NTNV



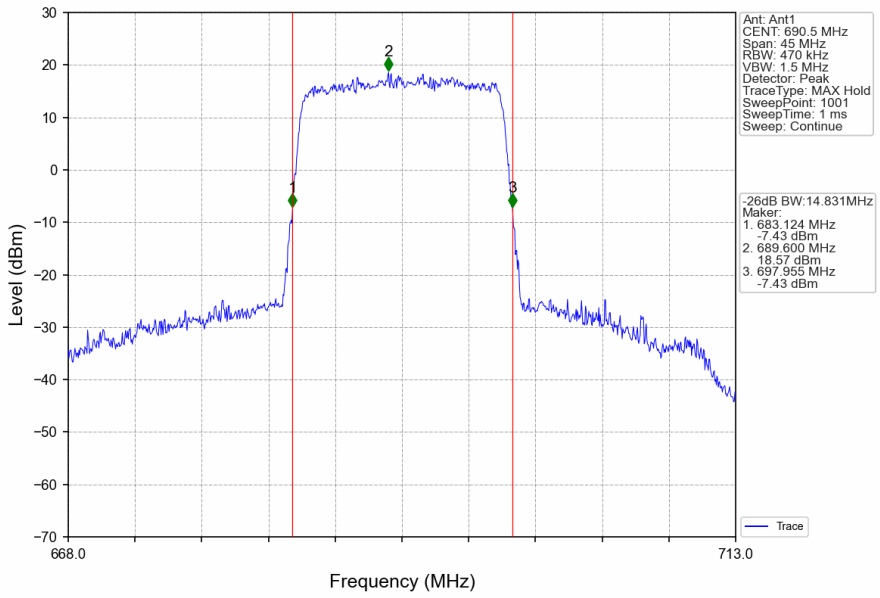
Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV



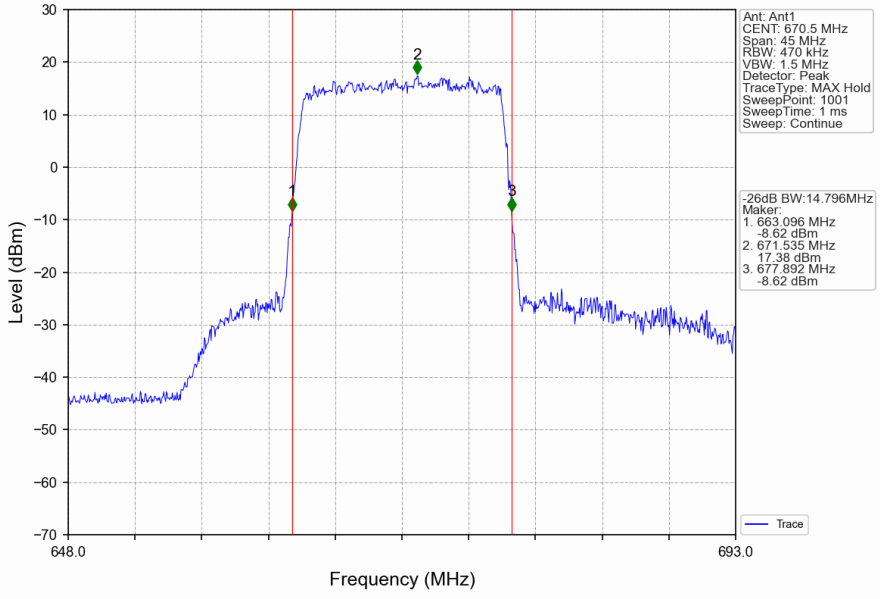
Band71_15MHz_QPSK_MCH_680.5MHz_RB_75_0_NTNV



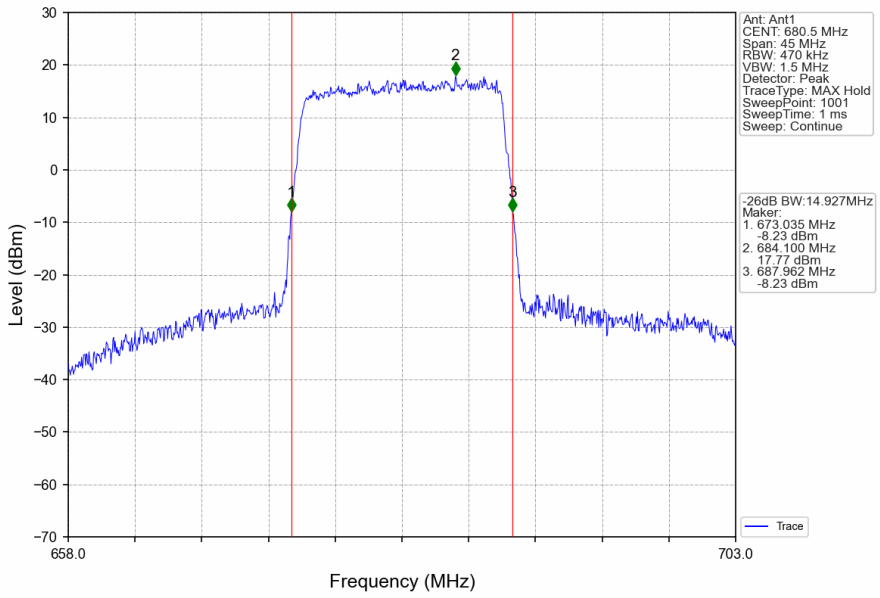
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



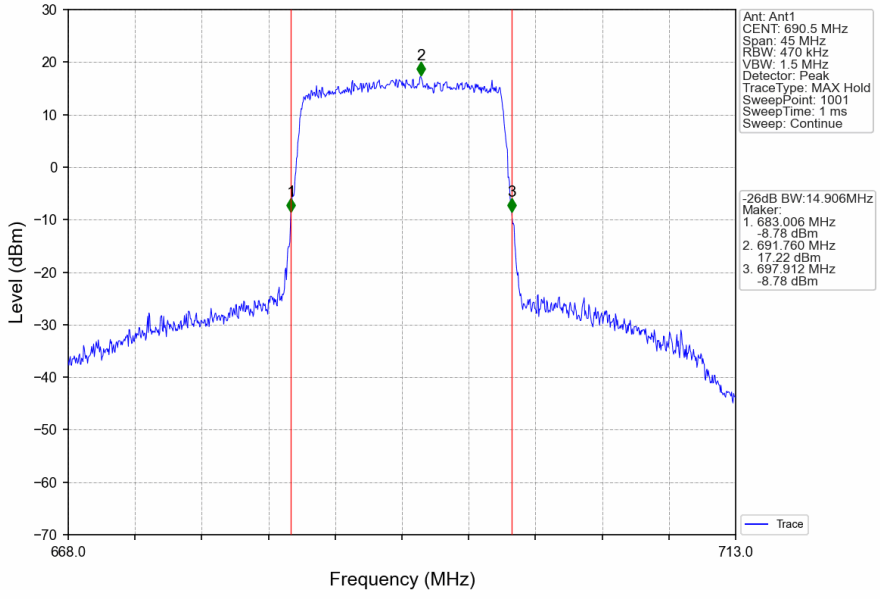
Band71_15MHz_16QAM_LCH_670.5MHz_RB_75_0_NTNV



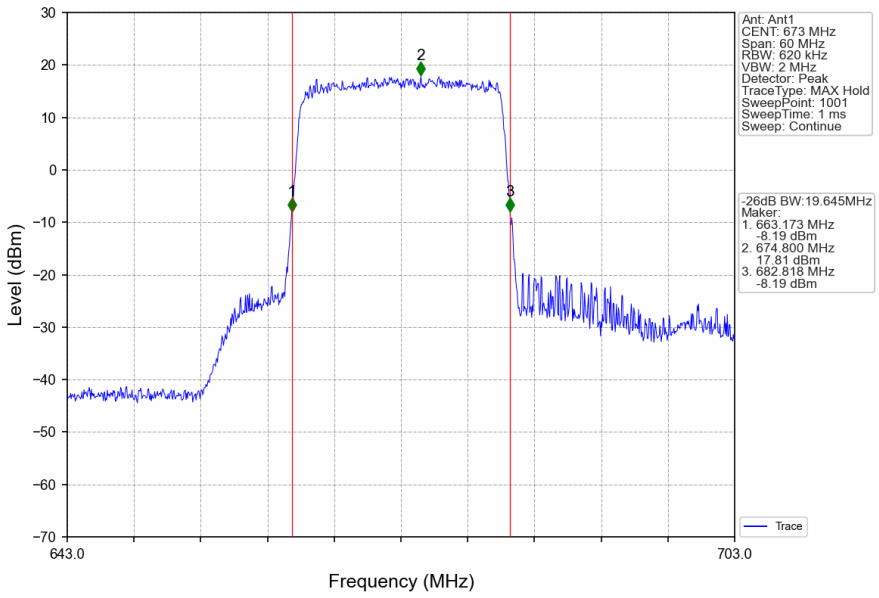
Band71_15MHz_16QAM_MCH_680.5MHz_RB_75_0_NTNV



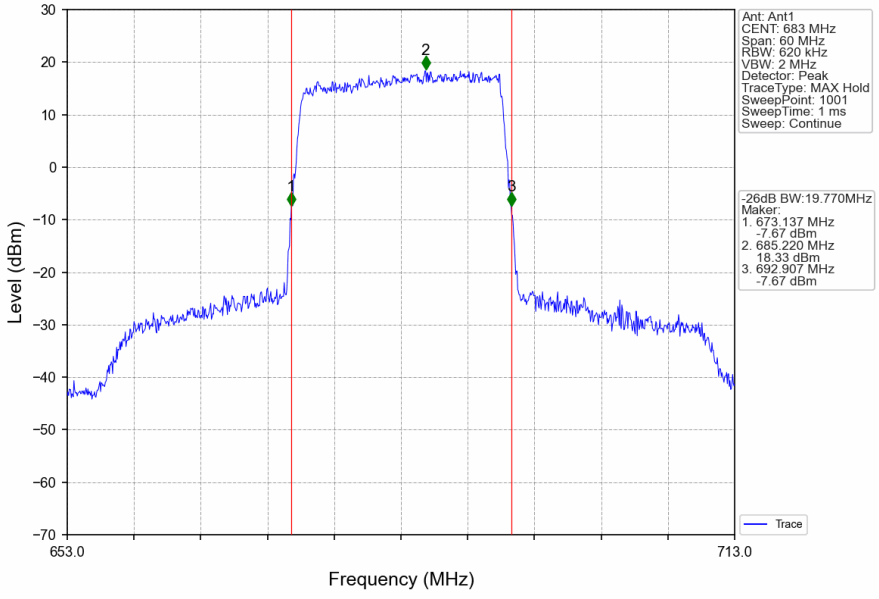
Band71_15MHz_16QAM_HCH_690.5MHz_RB_75_0_NTNV



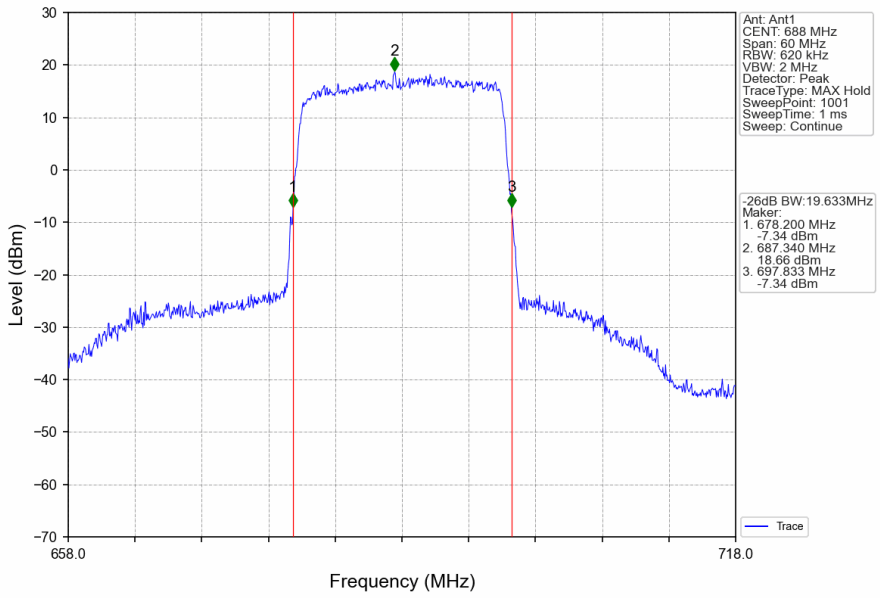
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



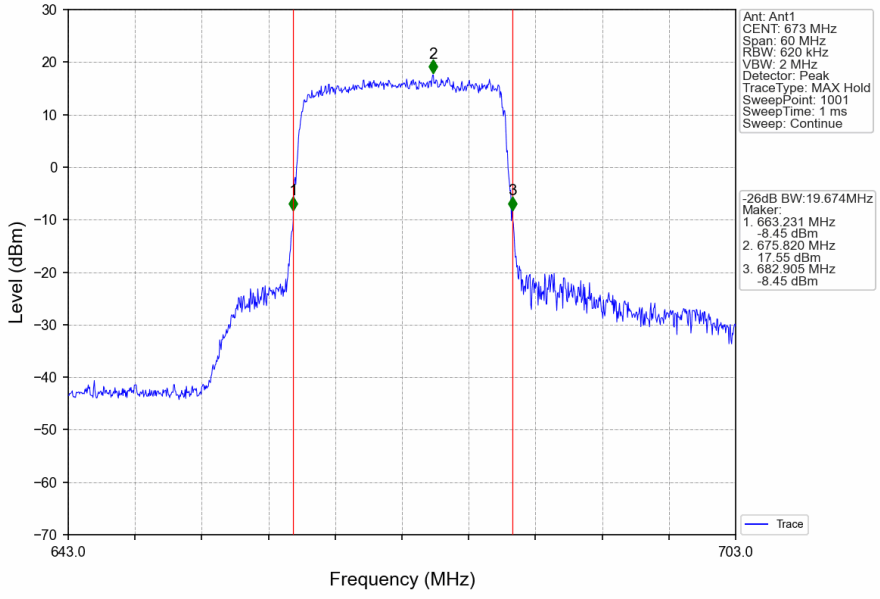
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



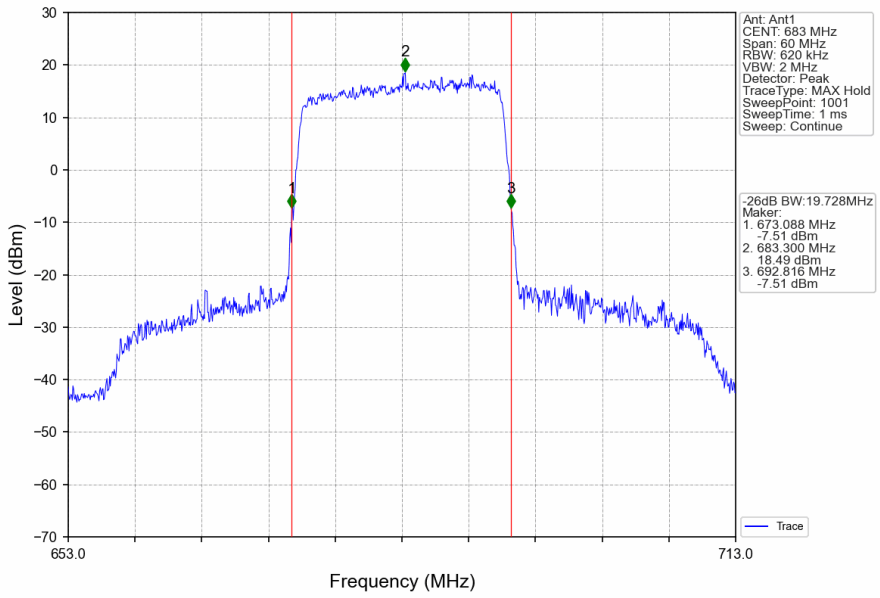
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



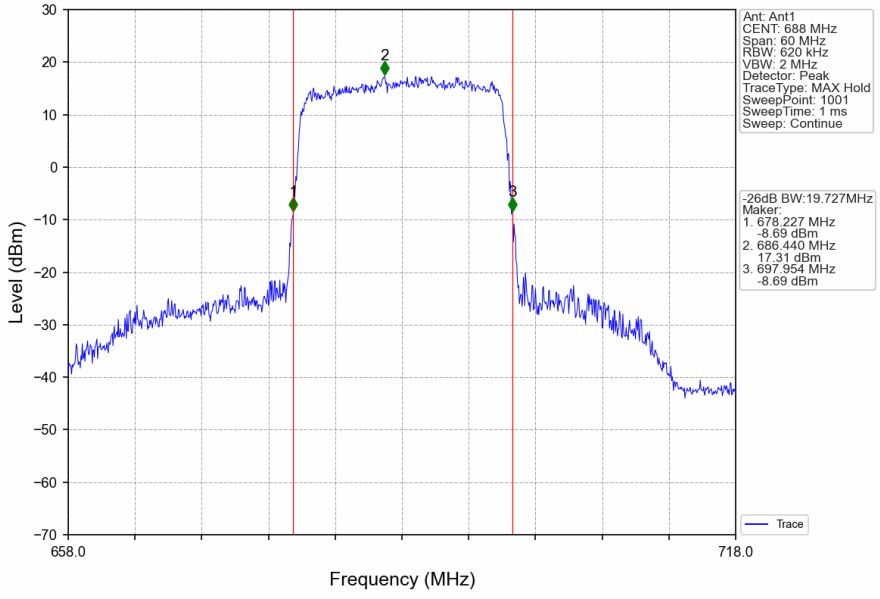
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

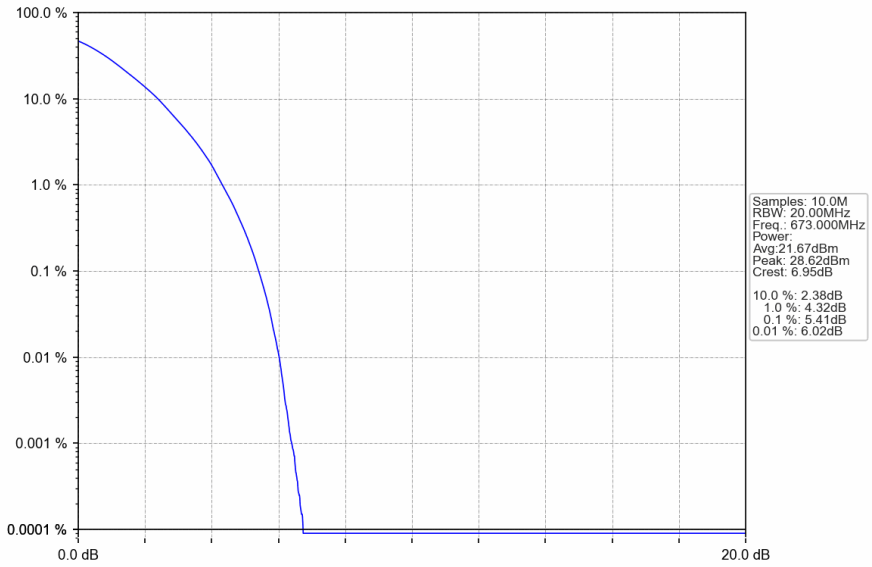
5.1.1 B71_20MHz

Band: 71 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	673	100	0	5.41	<=13	Pass
	683	100	0	5.42	<=13	Pass
	688	100	0	5.38	<=13	Pass
16QAM	673	100	0	6.18	<=13	Pass
	683	100	0	6.29	<=13	Pass
	688	100	0	6.20	<=13	Pass

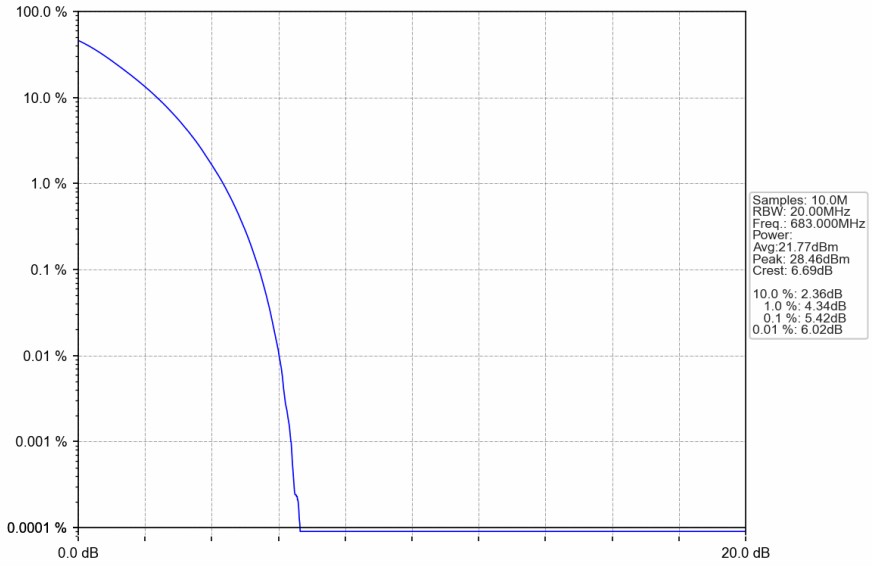
5.2 Test Graph

5.2.1 B71_20MHz

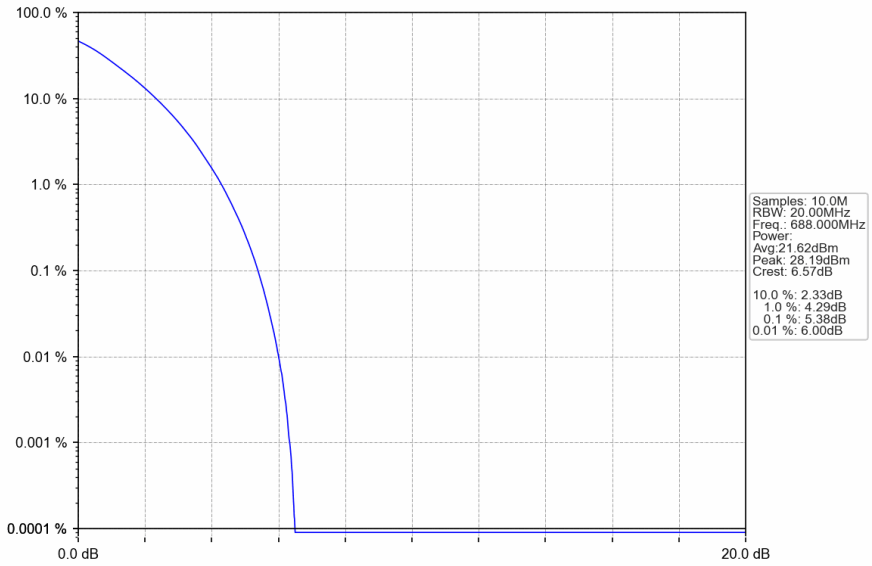
Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV



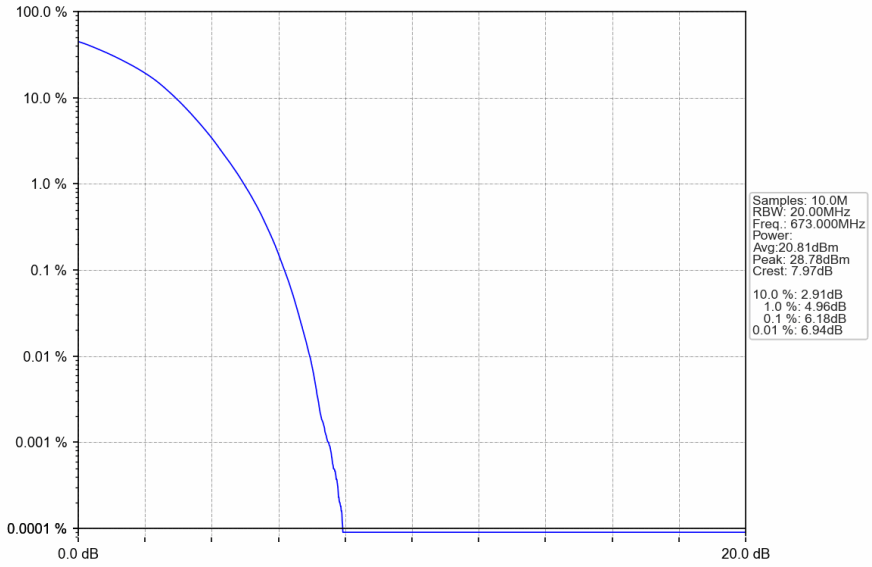
Band71_20MHz_QPSK_MCH_683MHz_RB_100_0_NTNV



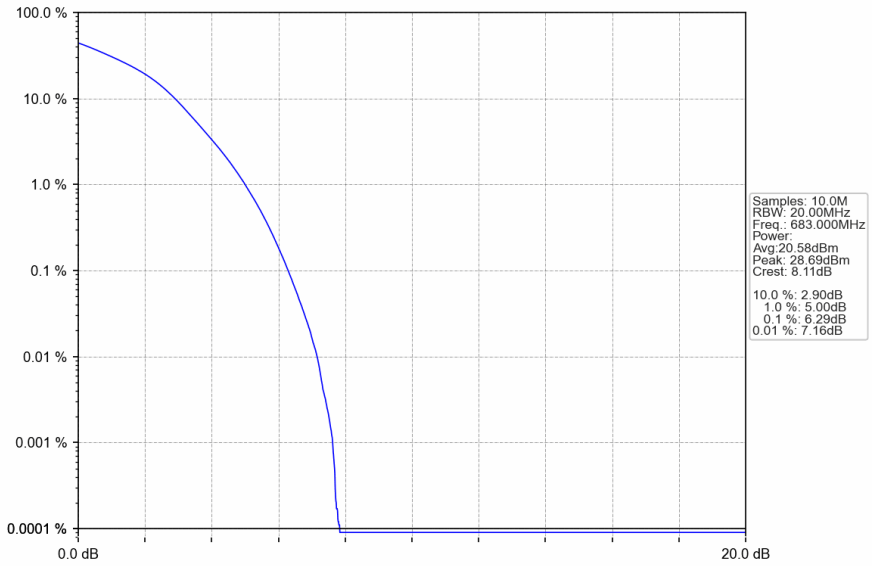
Band71_20MHz_QPSK_HCH_688MHz_RB_100_0_NTNV



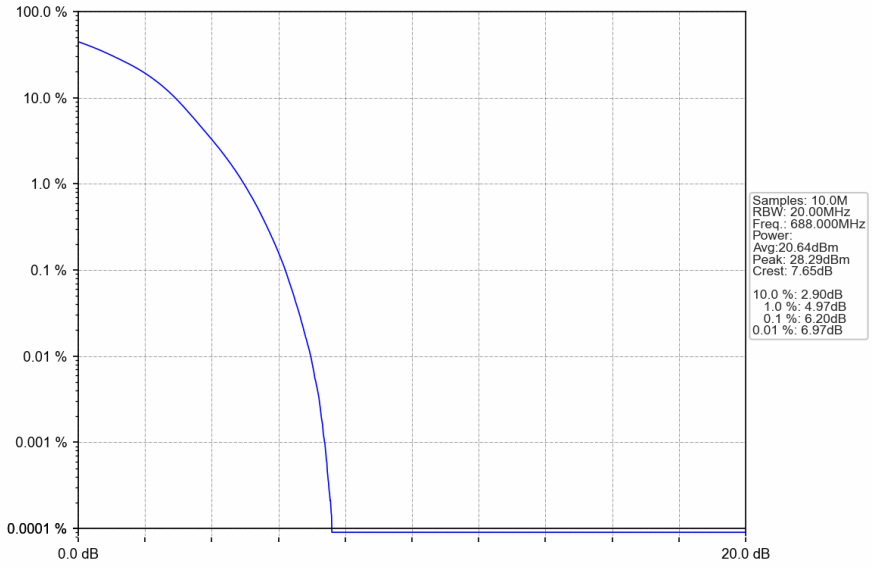
Band71_20MHz_16QAM_LCH_673MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_MCH_683MHz_RB_100_0_NTNV



Band71_20MHz_16QAM_HCH_688MHz_RB_100_0_NTNV



6. Spurious Emission & Band Edges

6.1 Test Result

6.1.1 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

6.1.2 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

6.1.3 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

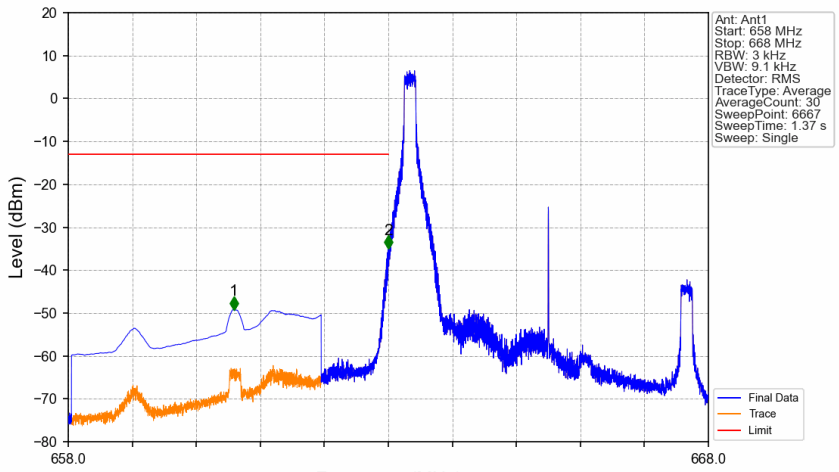
6.1.4 B71_20MHz

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

6.2 Test Graph

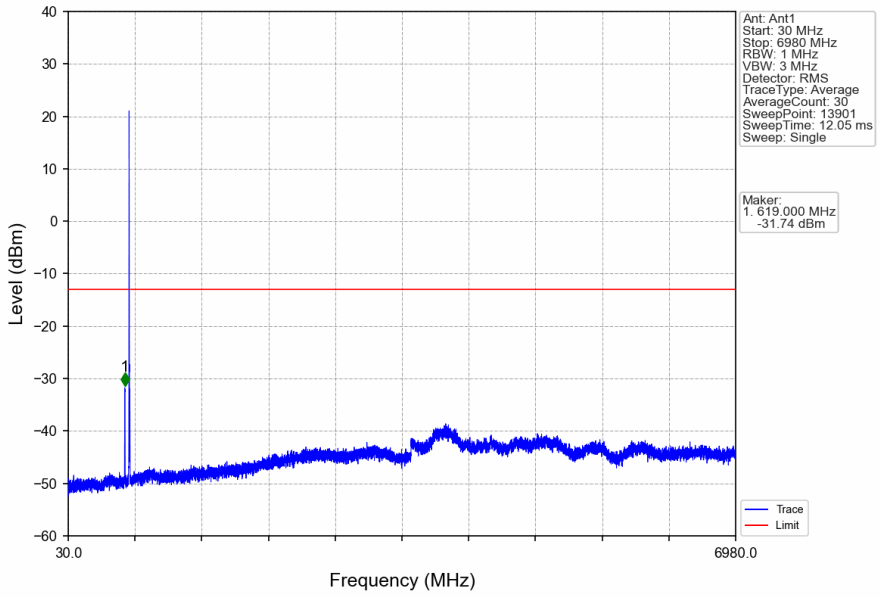
6.2.1 B71_5MHz

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

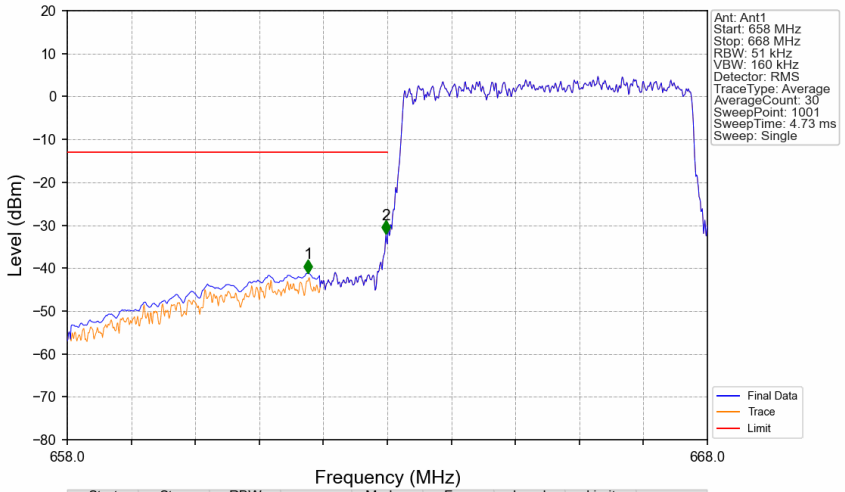


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	660.585	-49.23	-13	Pass
662	663	0.003	/	2	663.000	-35.06	-13	Pass
663	668	0.003	/	/	/	/	/	/

Band71_5MHz_QPSK_LCH_665.5MHz_RB_1_0_NTNV

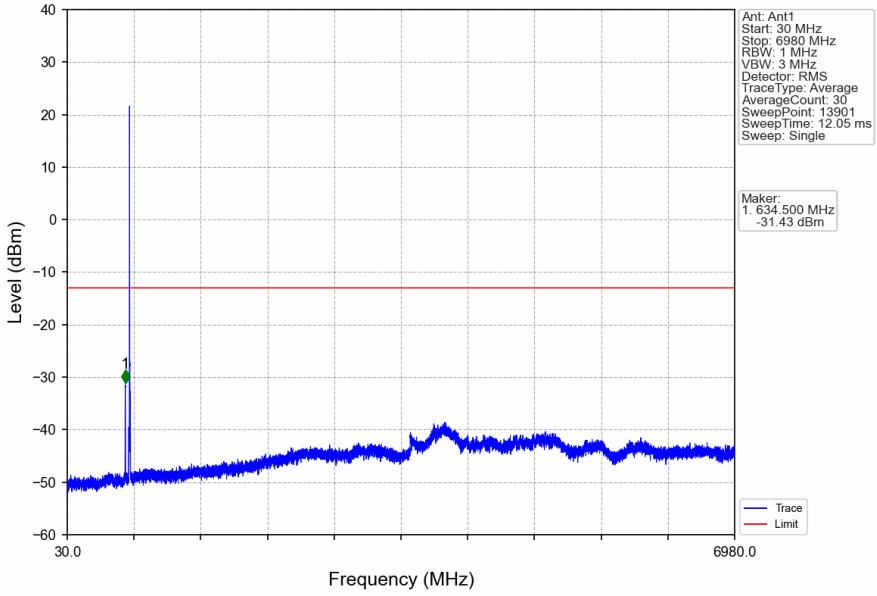


Band71_5MHz_QPSK_LCH_665.5MHz_RB_25_0_NTNV

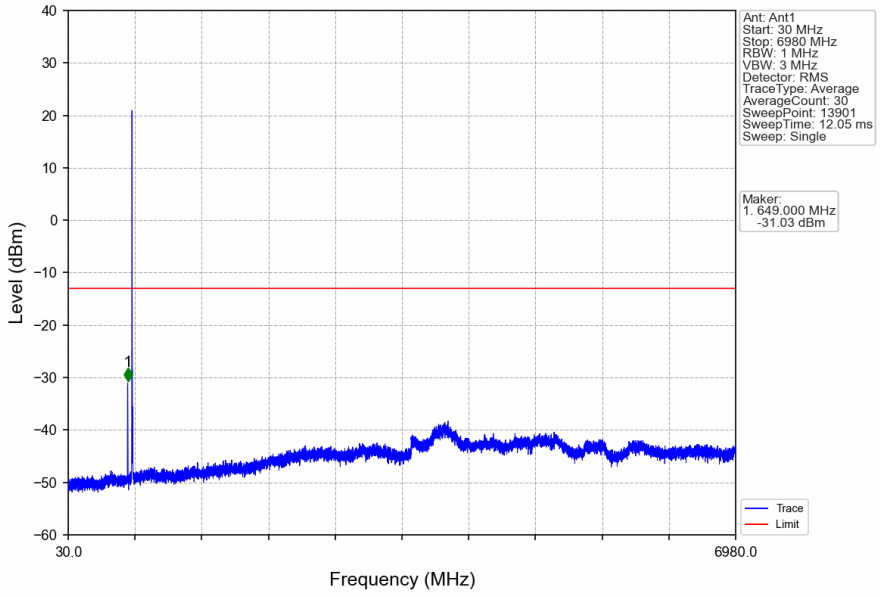


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
658	662	0.1	CHP	1	661.760	-41.14	-13	Pass
662	663	0.051	/	2	662.980	-32.06	-13	Pass
663	668	0.051	/	/	/	/	/	/

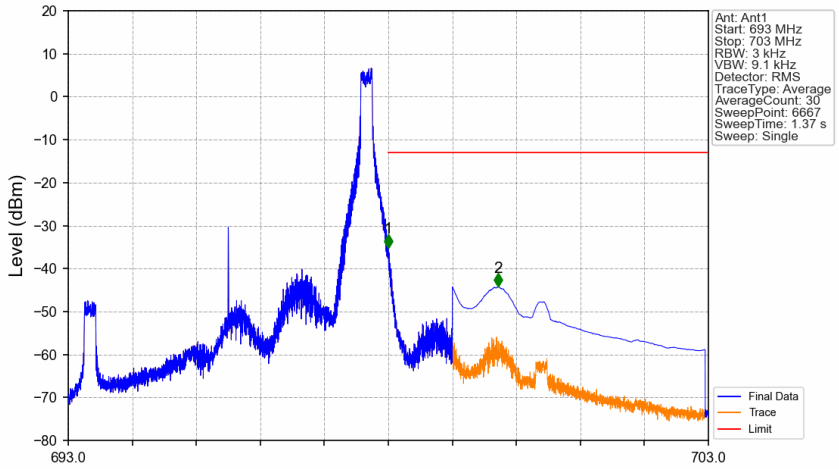
Band71_5MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_0_NTNV

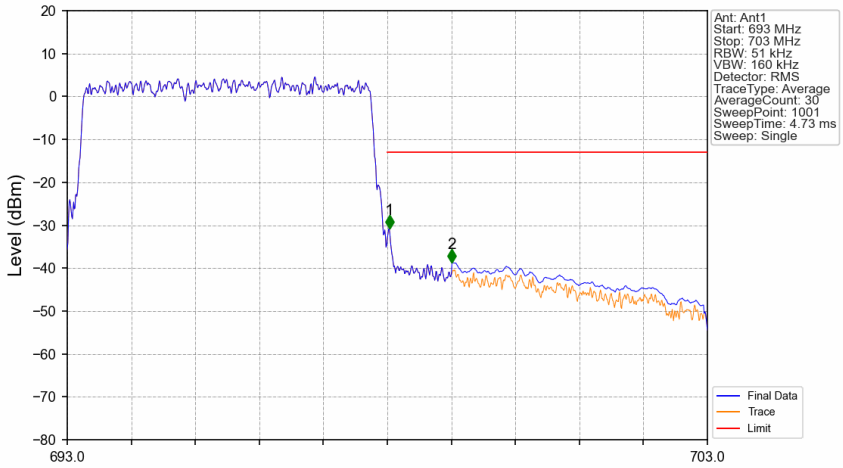


Band71_5MHz_QPSK_HCH_695.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.000	-35.13	-13	Pass
699	703	0.1	CHP	2	699.719	-44.24	-13	Pass

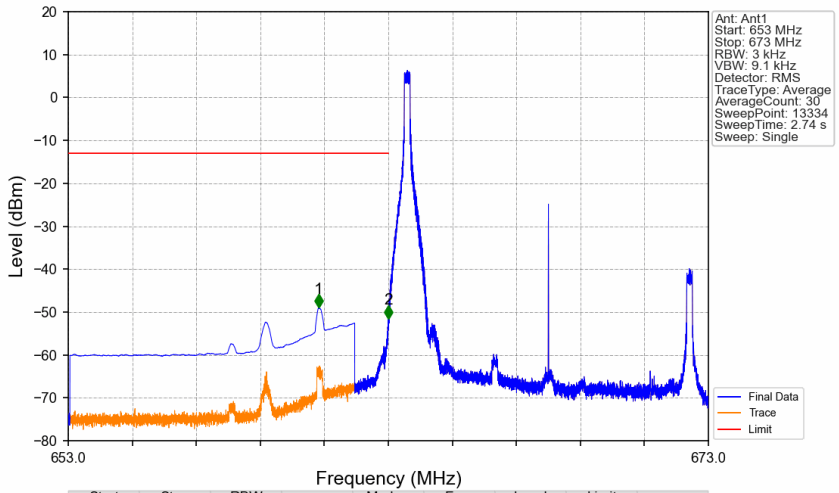
Band71_5MHz_QPSK_HCH_695.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
693	698	0.051	/	/	/	/	/	/
698	699	0.051	/	1	698.030	-30.74	-13	Pass
699	703	0.1	CHP	2	699.010	-38.72	-13	Pass

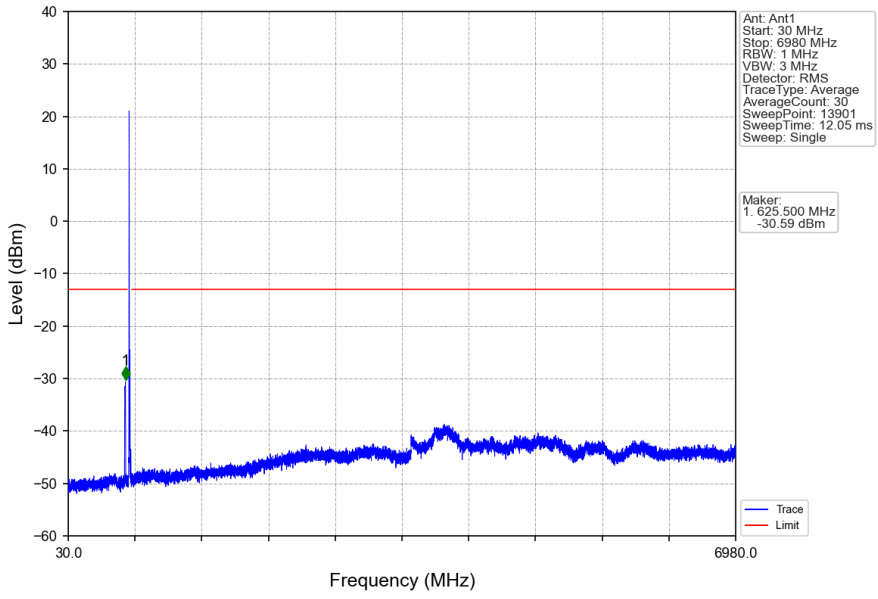
6.2.2 B71_10MHz

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

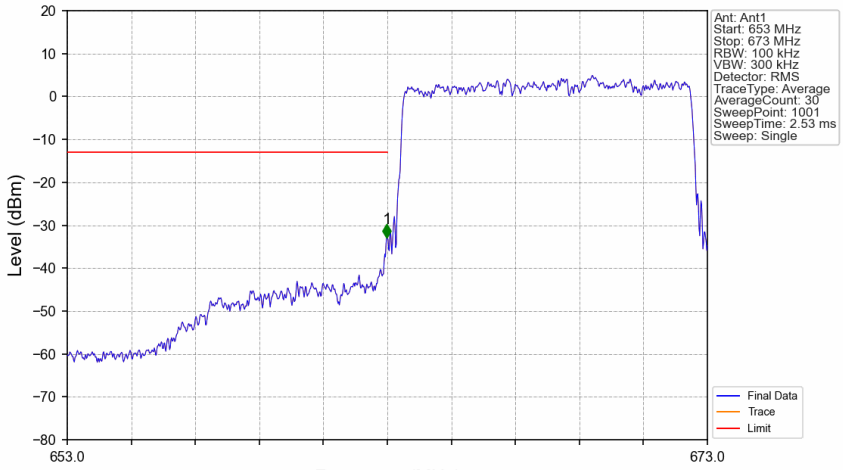


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	662	0.1	CHP	1	660.817	-49.04	-13	Pass
662	663	0.003	/	2	662.998	-51.51	-13	Pass
663	673	0.003	/	/	/	/	/	/

Band71_10MHz_QPSK_LCH_668MHz_RB_1_0_NTNV

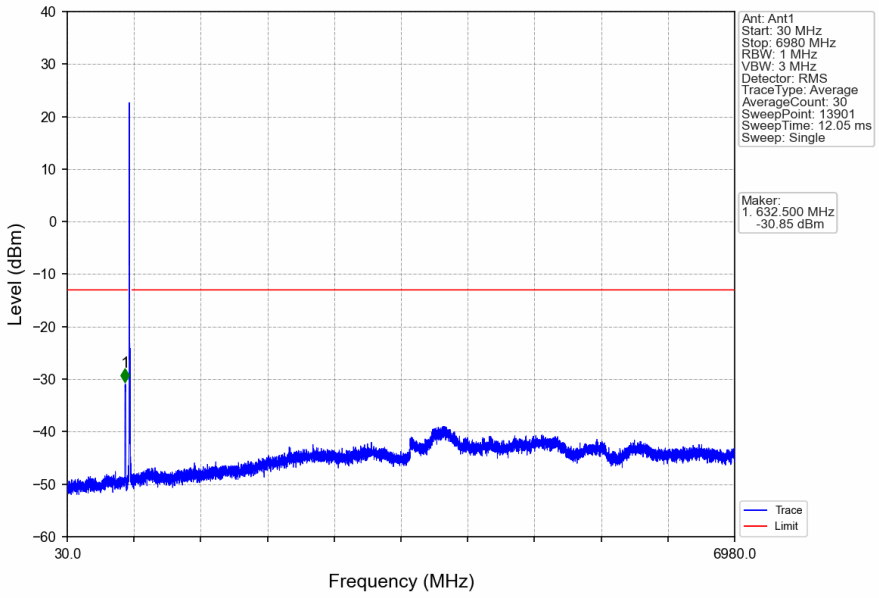


Band71_10MHz_QPSK_LCH_668MHz_RB_50_0_NTNV

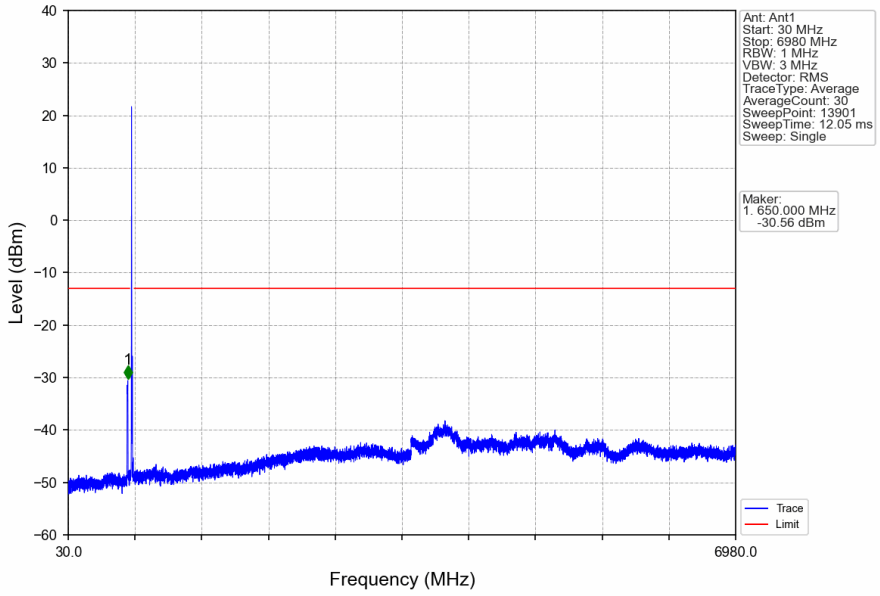


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
653	663	0.1	/	1	662.980	-32.86	-13	Pass
663	673	0.1	/	/	/	/	/	/

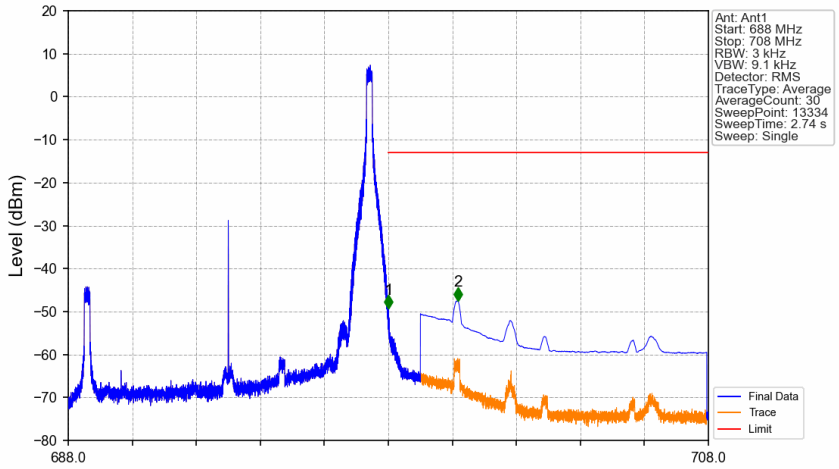
Band71_10MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_10MHz_QPSK_HCH_693MHz_RB_1_0_NTNV

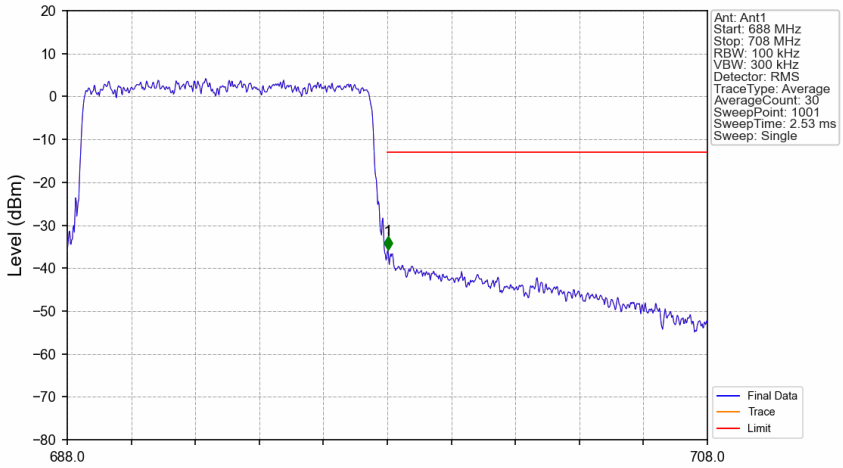


Band71_10MHz_QPSK_HCH_693MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.002	-49.37	-13	Pass
699	708	0.1	CHP	2	700.177	-47.49	-13	Pass

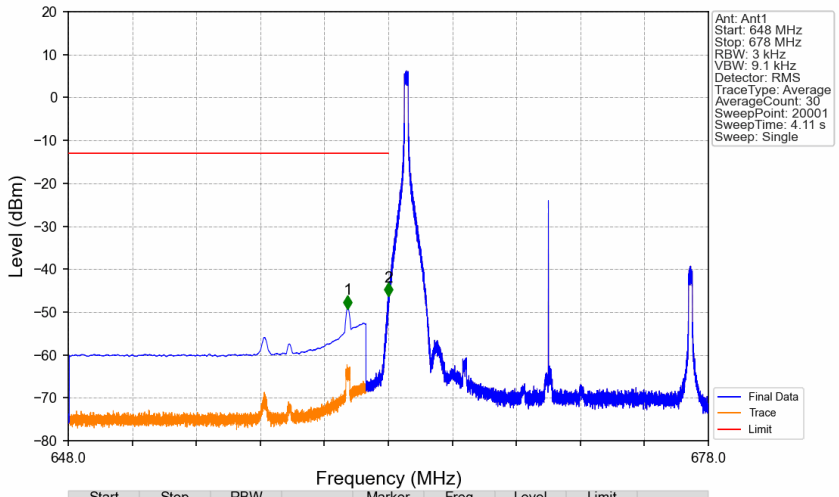
Band71_10MHz_QPSK_HCH_693MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
688	698	0.1	/	/	/	/	/	/
698	708	0.1	/	1	698.020	-35.74	-13	Pass

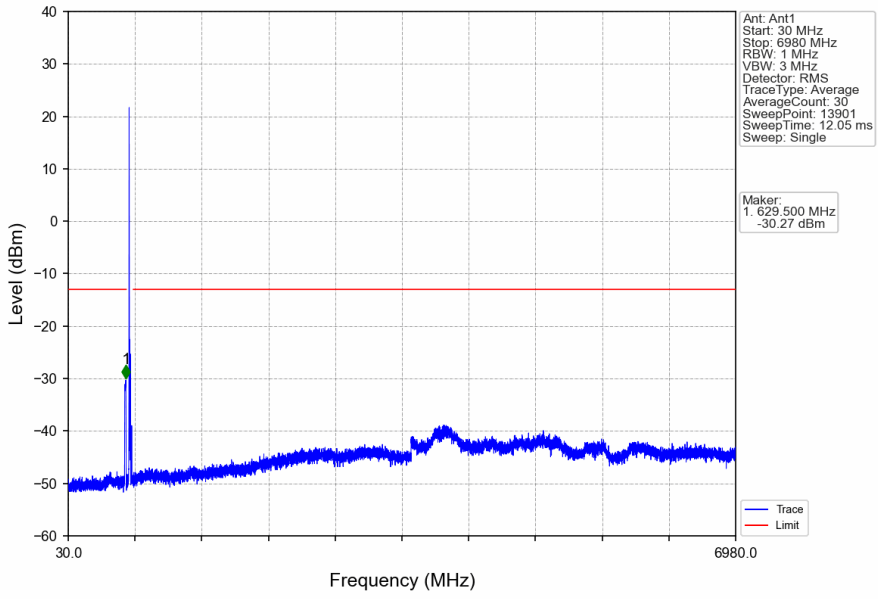
6.2.3 B71_15MHz

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

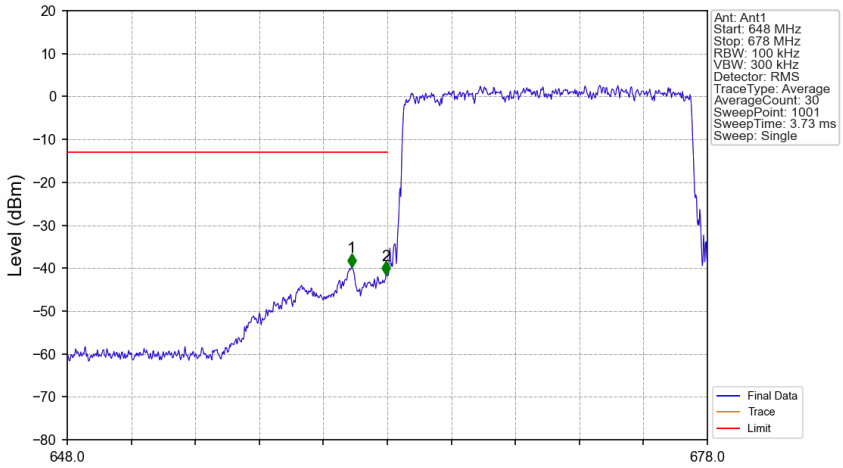


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	CHP	1	661.100	-49.22	-13	Pass
662	663	0.003	/	2	662.994	-46.36	-13	Pass
663	678	0.003	/	/	/	/	/	/

Band71_15MHz_QPSK_LCH_670.5MHz_RB_1_0_NTNV

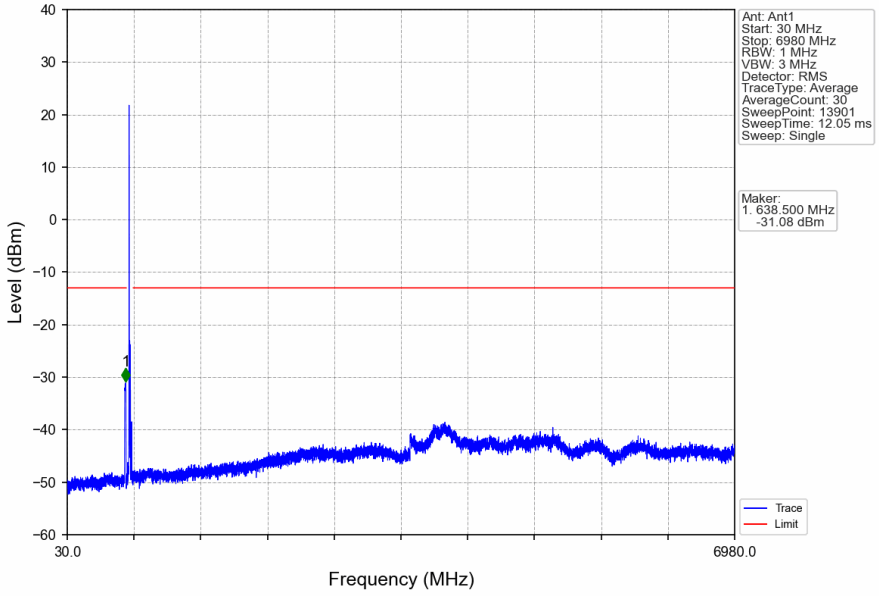


Band71_15MHz_QPSK_LCH_670.5MHz_RB_75_0_NTNV

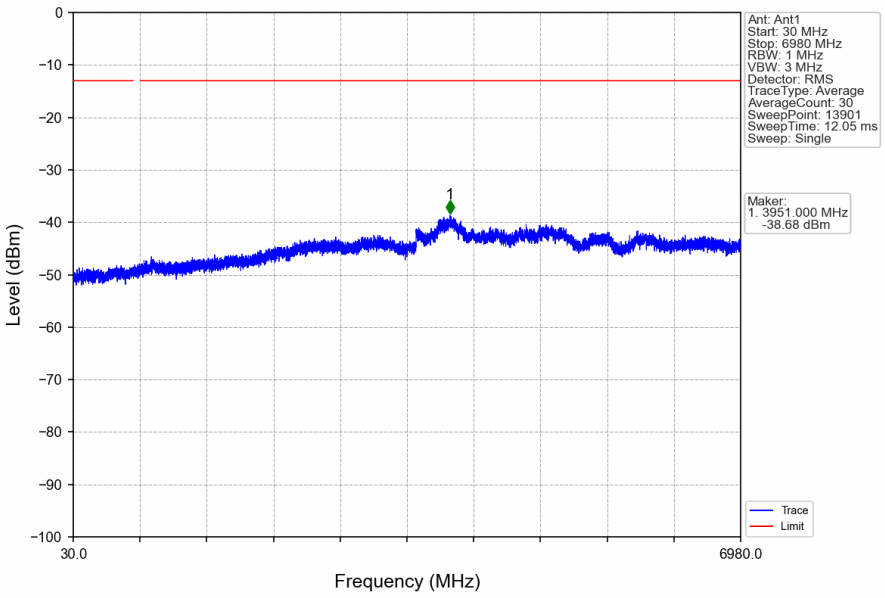


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
648	662	0.1	/	1	661.320	-39.70	-13	Pass
662	663	0.149	/	2	662.940	-41.55	-13	Pass
663	678	0.149	/	/	/	/	/	/

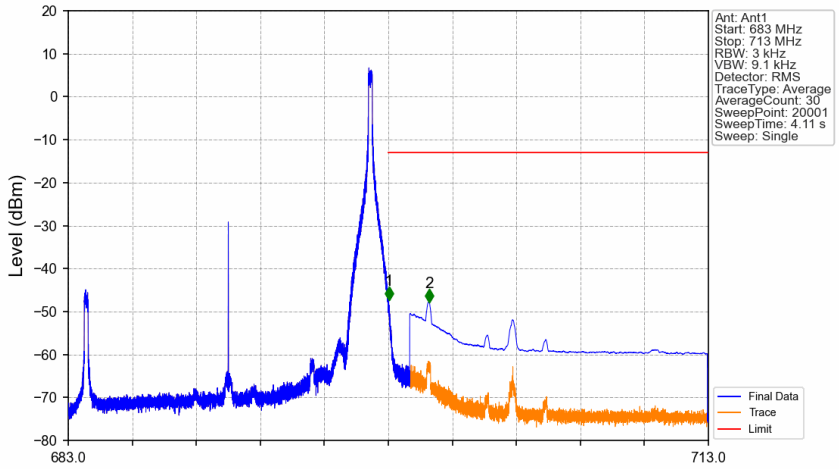
Band71_15MHz_QPSK_MCH_680.5MHz_RB_1_0_NTNV



Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_0_NTNV

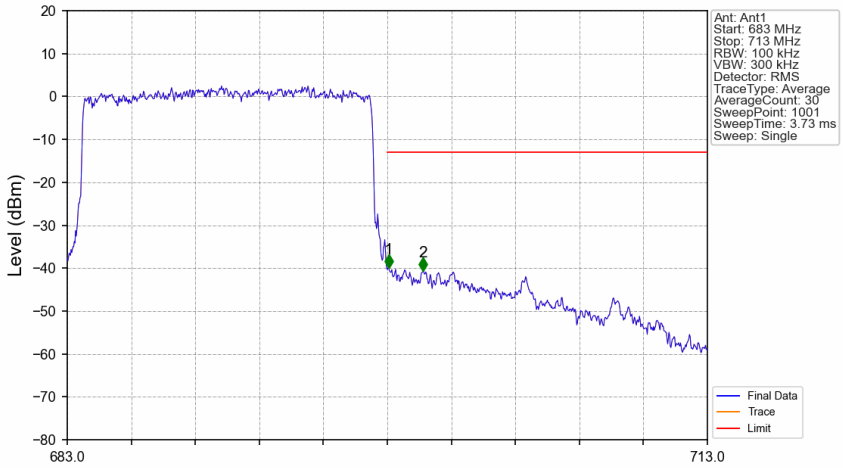


Band71_15MHz_QPSK_HCH_690.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.018	-47.30	-13	Pass
699	713	0.1	CHP	2	699.908	-47.81	-13	Pass

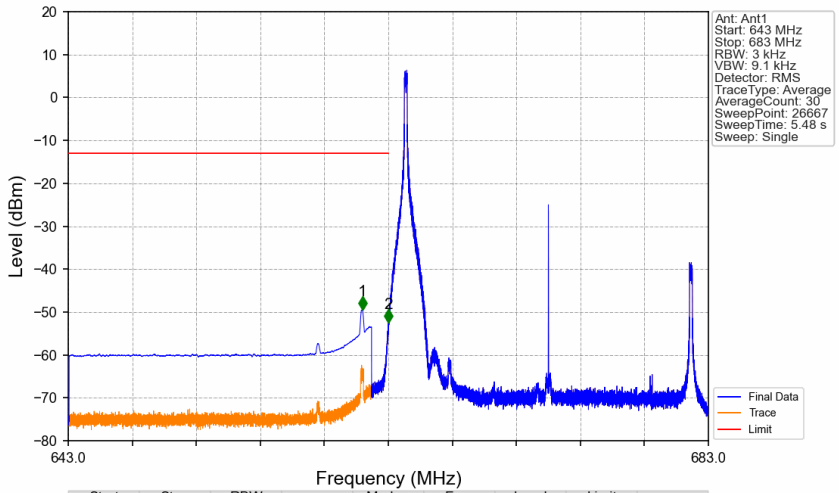
Band71_15MHz_QPSK_HCH_690.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
683	698	0.148	/	/	/	/	/	/
698	699	0.148	/	1	698.060	-39.95	-13	Pass
699	713	0.1	/	2	699.680	-40.73	-13	Pass

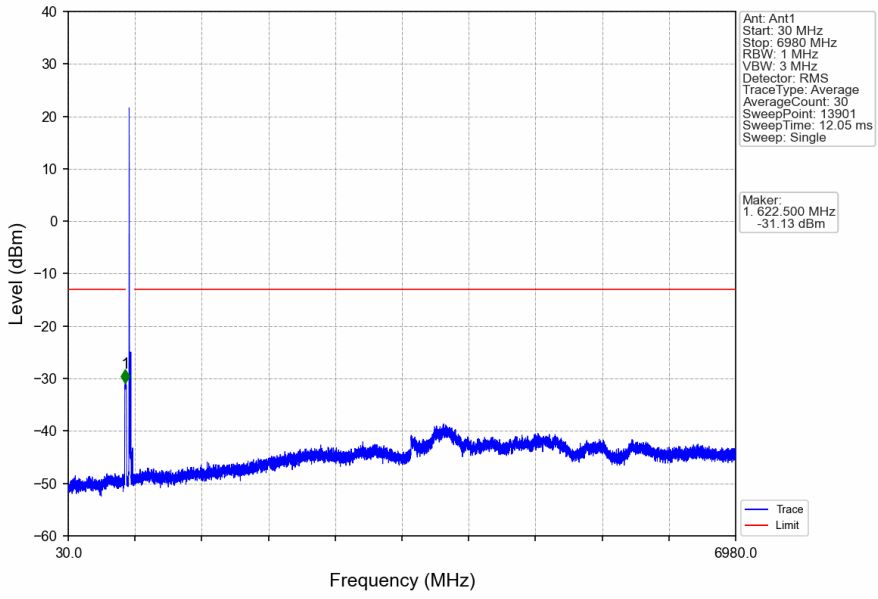
6.2.4 B71_20MHz

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

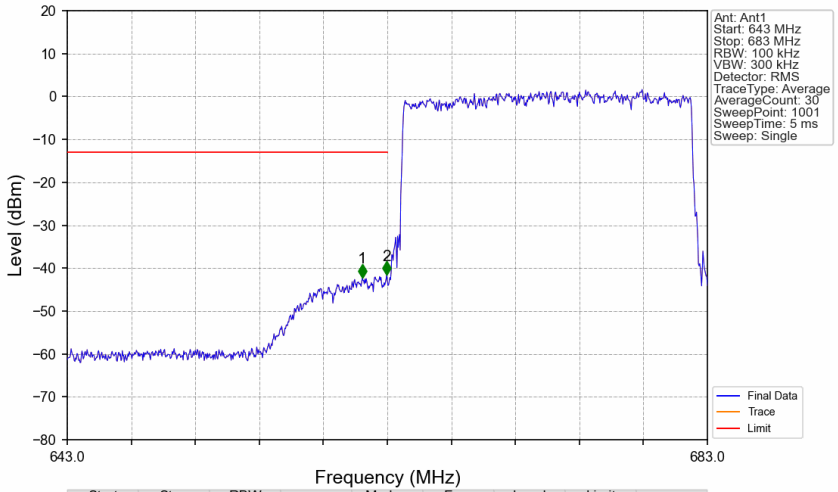


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	CHP	1	661.375	-49.52	-13	Pass
662	663	0.003	/	2	662.991	-52.50	-13	Pass
663	683	0.003	/	/	/	/	/	/

Band71_20MHz_QPSK_LCH_673MHz_RB_1_0_NTNV

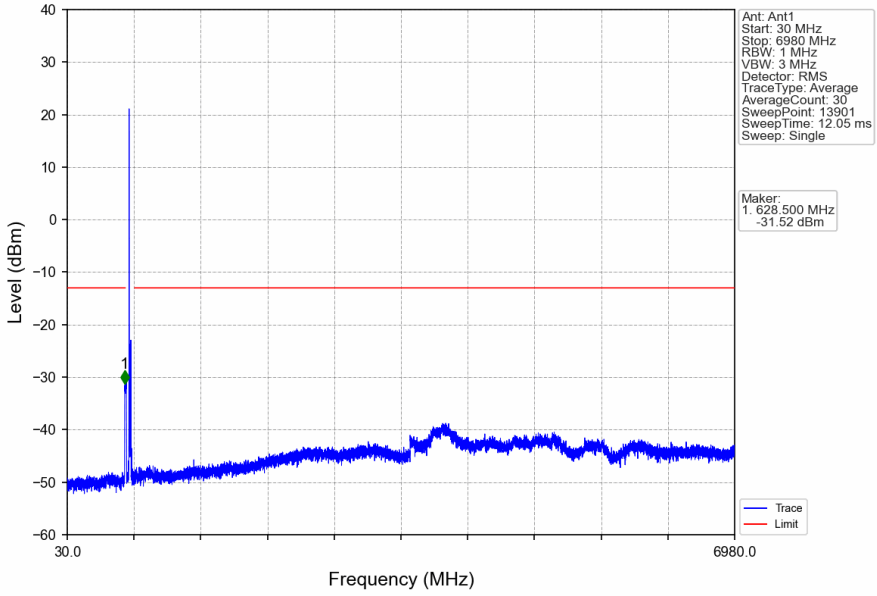


Band71_20MHz_QPSK_LCH_673MHz_RB_100_0_NTNV

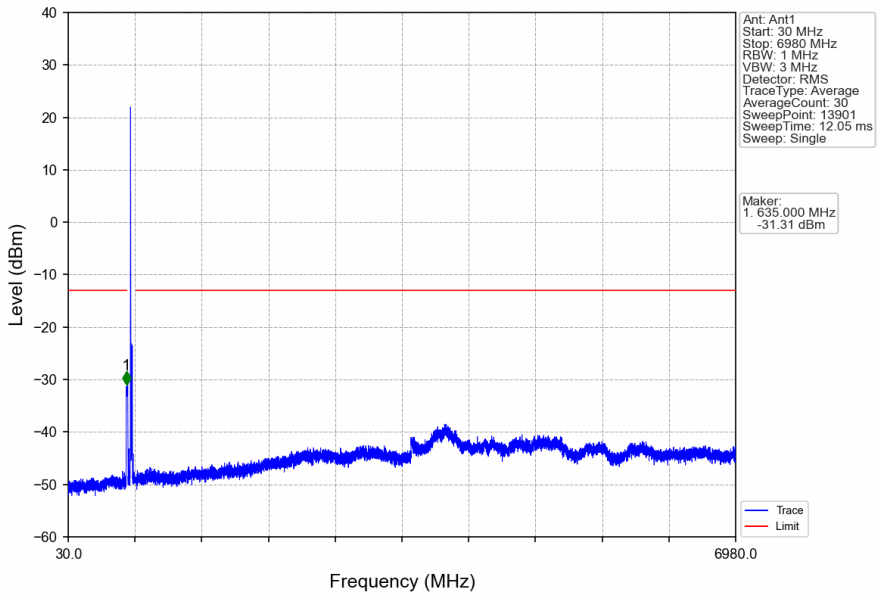


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
643	662	0.1	/	1	661.440	-42.18	-13	Pass
662	663	0.196	/	2	662.960	-41.55	-13	Pass
663	683	0.196	/	/	/	/	/	/

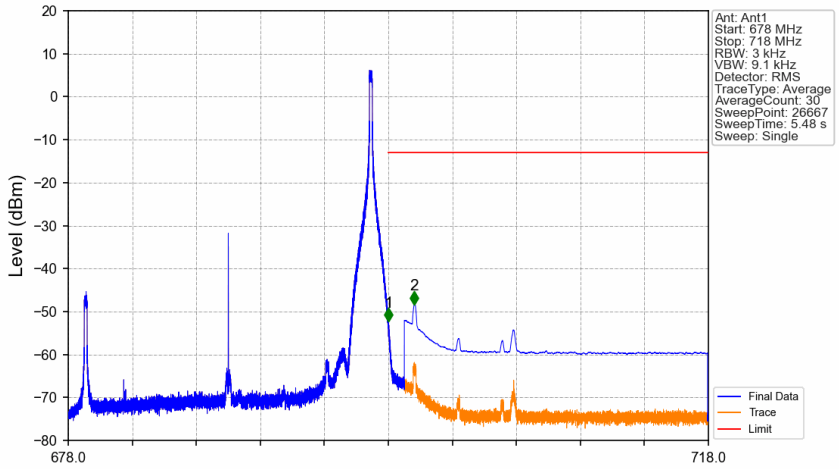
Band71_20MHz_QPSK_MCH_683MHz_RB_1_0_NTNV



Band71_20MHz_QPSK_HCH_688MHz_RB_1_0_NTNV

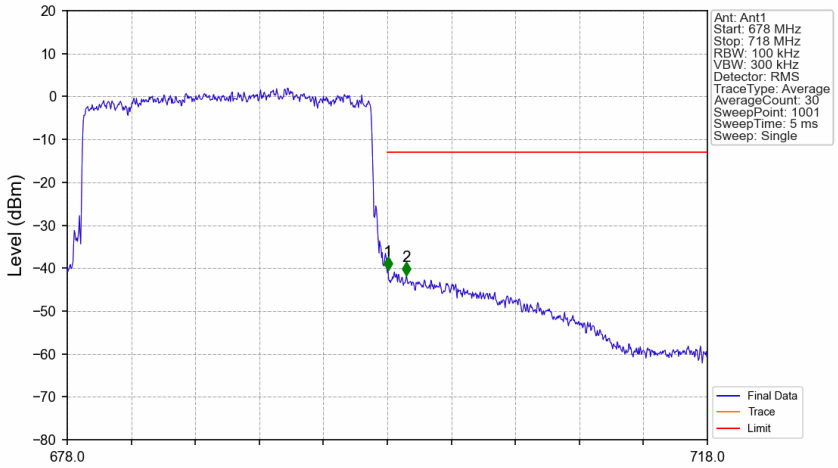


Band71_20MHz_QPSK_HCH_688MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
678	698	0.003	/	/	/	/	/	/
698	699	0.003	/	1	698.008	-52.30	-13	Pass
699	718	0.1	CHP	2	699.617	-48.36	-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	0.196	/	/	/	/	/	/
698	699	0.196	/	1	698.040	-40.48	-13	Pass
699	718	0.1	/	2	699.200	-41.74	-13	Pass

---End of Attachment---