1. Effective (Isotropic) Radiated Power Output Data

1.1 B66_1.4MHz_EIRP

1.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	24.18	1.5	25.68	<=30	Pass
			2	24.2	1.5	25.7	<=30	Pass
			5	24.19	1.5	25.69	<=30	Pass
		3	0	24.21	1.5	25.71	<=30	Pass
			2	24.25	1.5	25.75	<=30	Pass
			3	24.17	1.5	25.67	<=30	Pass
		6	0	23.23	1.5	24.73	<=30	Pass
	1745	1	0	24.11	1.5	25.61	<=30	Pass
			2	24.12	1.5	25.62	<=30	Pass
			5	24.11	1.5	25.61	<=30	Pass
		3	0	24.15	1.5	25.65	<=30	Pass
			2	24.18	1.5	25.68	<=30	Pass
			3	24.13	1.5	25.63	<=30	Pass
		6	0	23.13	1.5	24.63	<=30	Pass
	1779.3	1	0	24.15	1.5	25.65	<=30	Pass
			2	24.21	1.5	25.71	<=30	Pass
			5	24.19	1.5	25.69	<=30	Pass
		3	0	24.2	1.5	25.7	<=30	Pass
			2	24.22	1.5	25.72	<=30	Pass
			3	24.2	1.5	25.7	<=30	Pass
		6	0	23.18	1.5	24.68	<=30	Pass
16QAM	1710.7	1	0	23.32	1.5	24.82	<=30	Pass
			2	23.36	1.5	24.86	<=30	Pass
			5	23.31	1.5	24.81	<=30	Pass
		3	0	23.35	1.5	24.85	<=30	Pass
			2	23.29	1.5	24.79	<=30	Pass
			3	23.25	1.5	24.75	<=30	Pass
		6	0	22.22	1.5	23.72	<=30	Pass
	1745	1	0	23.27	1.5	24.77	<=30	Pass
			2	23.3	1.5	24.8	<=30	Pass
			5	23.37	1.5	24.87	<=30	Pass
		3	0	23.25	1.5	24.75	<=30	Pass

			2	23.24	1.5	24.74	<=30	Pass
			3	23.15	1.5	24.65	<=30	Pass
		6	0	22.2	1.5	23.7	<=30	Pass
	1779.3	1	0	23.34	1.5	24.84	<=30	Pass
			2	23.41	1.5	24.91	<=30	Pass
			5	23.35	1.5	24.85	<=30	Pass
		3	0	23.29	1.5	24.79	<=30	Pass
			2	23.28	1.5	24.78	<=30	Pass
			3	23.27	1.5	24.77	<=30	Pass
		6	0	22.26	1.5	23.76	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B66_3MHz_EIRP

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	24.16	1.5	25.66	<=30	Pass
			7	24.25	1.5	25.75	<=30	Pass
			14	24.12	1.5	25.62	<=30	Pass
		8	0	23.22	1.5	24.72	<=30	Pass
			4	23.27	1.5	24.77	<=30	Pass
			7	23.13	1.5	24.63	<=30	Pass
		15	0	23.14	1.5	24.64	<=30	Pass
	1745	1	0	24.11	1.5	25.61	<=30	Pass
			7	24.17	1.5	25.67	<=30	Pass
			14	24.1	1.5	25.6	<=30	Pass
		8	0	23.19	1.5	24.69	<=30	Pass
			4	23.23	1.5	24.73	<=30	Pass
			7	23.17	1.5	24.67	<=30	Pass
		15	0	23.23	1.5	24.73	<=30	Pass
	1778.5	1	0	24.19	1.5	25.69	<=30	Pass
			7	24.26	1.5	25.76	<=30	Pass
			14	24.15	1.5	25.65	<=30	Pass
		8	0	23.24	1.5	24.74	<=30	Pass
			4	23.28	1.5	24.78	<=30	Pass
			7	23.23	1.5	24.73	<=30	Pass
		15	0	23.24	1.5	24.74	<=30	Pass

	1711.5	1	0	23.33	1.5	24.83	<=30	Pass
			7	23.41	1.5	24.91	<=30	Pass
			14	23.32	1.5	24.82	<=30	Pass
		8	0	22.26	1.5	23.76	<=30	Pass
			4	22.31	1.5	23.81	<=30	Pass
			7	22.2	1.5	23.7	<=30	Pass
		15	0	22.2	1.5	23.7	<=30	Pass
	1745	1	0	23.22	1.5	24.72	<=30	Pass
			7	23.35	1.5	24.85	<=30	Pass
			14	23.22	1.5	24.72	<=30	Pass
16QAM		8	0	22.2	1.5	23.7	<=30	Pass
			4	22.25	1.5	23.75	<=30	Pass
			7	22.21	1.5	23.71	<=30	Pass
		15	0	22.21	1.5	23.71	<=30	Pass
	1778.5	1	0	23.43	1.5	24.93	<=30	Pass
			7	23.45	1.5	24.95	<=30	Pass
			14	23.45	1.5	24.95	<=30	Pass
		8	0	22.28	1.5	23.78	<=30	Pass
			4	22.27	1.5	23.77	<=30	Pass
			7	22.24	1.5	23.74	<=30	Pass
		15	0	22.24	1.5	23.74	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B66_5MHz_EIRP

1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	24.25	1.5	25.75	<=30	Pass
			13	24.27	1.5	25.77	<=30	Pass
			24	24.22	1.5	25.72	<=30	Pass
		12	0	23.29	1.5	24.79	<=30	Pass
			6	23.2	1.5	24.7	<=30	Pass
			13	23.15	1.5	24.65	<=30	Pass
		25	0	23.18	1.5	24.68	<=30	Pass
	1745	1	0	24.19	1.5	25.69	<=30	Pass
			13	24.24	1.5	25.74	<=30	Pass
			24	24.17	1.5	25.67	<=30	Pass

		12	0	23.25	1.5	24.75	<=30	Pass
			6	23.26	1.5	24.76	<=30	Pass
			13	23.2	1.5	24.7	<=30	Pass
		25	0	23.25	1.5	24.75	<=30	Pass
	1777.5	1	0	24.25	1.5	25.75	<=30	Pass
			13	24.31	1.5	25.81	<=30	Pass
			24	24.23	1.5	25.73	<=30	Pass
		12	0	23.28	1.5	24.78	<=30	Pass
			6	23.33	1.5	24.83	<=30	Pass
			13	23.26	1.5	24.76	<=30	Pass
		25	0	23.31	1.5	24.81	<=30	Pass
16QAM	1712.5	1	0	23.4	1.5	24.9	<=30	Pass
			13	23.36	1.5	24.86	<=30	Pass
			24	23.38	1.5	24.88	<=30	Pass
		12	0	22.3	1.5	23.8	<=30	Pass
			6	22.23	1.5	23.73	<=30	Pass
			13	22.2	1.5	23.7	<=30	Pass
		25	0	22.21	1.5	23.71	<=30	Pass
	1745	1	0	23.42	1.5	24.92	<=30	Pass
			13	23.48	1.5	24.98	<=30	Pass
			24	23.44	1.5	24.94	<=30	Pass
		12	0	22.27	1.5	23.77	<=30	Pass
			6	22.26	1.5	23.76	<=30	Pass
			13	22.27	1.5	23.77	<=30	Pass
		25	0	22.22	1.5	23.72	<=30	Pass
	1777.5	1	0	23.46	1.5	24.96	<=30	Pass
			13	23.48	1.5	24.98	<=30	Pass
			24	23.47	1.5	24.97	<=30	Pass
		12	0	22.34	1.5	23.84	<=30	Pass
			6	22.33	1.5	23.83	<=30	Pass
			13	22.36	1.5	23.86	<=30	Pass
		25	0	22.31	1.5	23.81	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B66_10MHz_EIRP

1.4.1 Test Result

Band: 66 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	24.22	1.5	25.72	<=30	Pass
			25	24.2	1.5	25.7	<=30	Pass
			49	24.18	1.5	25.68	<=30	Pass
		25	0	23.23	1.5	24.73	<=30	Pass
			13	23.18	1.5	24.68	<=30	Pass
			25	23.18	1.5	24.68	<=30	Pass
		50	0	23.28	1.5	24.78	<=30	Pass
	1745	1	0	24.18	1.5	25.68	<=30	Pass
			25	24.17	1.5	25.67	<=30	Pass
			49	24.12	1.5	25.62	<=30	Pass
		25	0	23.21	1.5	24.71	<=30	Pass
			13	23.23	1.5	24.73	<=30	Pass
			25	23.24	1.5	24.74	<=30	Pass
		50	0	23.33	1.5	24.83	<=30	Pass
	1775	1	0	24.21	1.5	25.71	<=30	Pass
			25	24.27	1.5	25.77	<=30	Pass
			49	24.19	1.5	25.69	<=30	Pass
		25	0	23.29	1.5	24.79	<=30	Pass
			13	23.32	1.5	24.82	<=30	Pass
			25	23.29	1.5	24.79	<=30	Pass
		50	0	23.42	1.5	24.92	<=30	Pass
16QAM	1715	1	0	23.36	1.5	24.86	<=30	Pass
			25	23.36	1.5	24.86	<=30	Pass
			49	23.45	1.5	24.95	<=30	Pass
		25	0	22.28	1.5	23.78	<=30	Pass
			13	22.23	1.5	23.73	<=30	Pass
			25	22.24	1.5	23.74	<=30	Pass
		50	0	22.3	1.5	23.8	<=30	Pass
	1745	1	0	23.3	1.5	24.8	<=30	Pass
			25	23.33	1.5	24.83	<=30	Pass
			49	23.3	1.5	24.8	<=30	Pass
		25	0	22.24	1.5	23.74	<=30	Pass
			13	22.28	1.5	23.78	<=30	Pass

			25	22.28	1.5	23.78	<=30	Pass
		50	0	22.35	1.5	23.85	<=30	Pass
	1775	1	0	23.5	1.5	25	<=30	Pass
			25	23.57	1.5	25.07	<=30	Pass
			49	23.4	1.5	24.9	<=30	Pass
		25	0	22.34	1.5	23.84	<=30	Pass
			13	22.32	1.5	23.82	<=30	Pass
			25	22.34	1.5	23.84	<=30	Pass
		50	0	22.39	1.5	23.89	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B66_15MHz_EIRP

1.5.1 Test Result

Band: 66 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	24.09	1.5	25.59	<=30	Pass
			38	24.16	1.5	25.66	<=30	Pass
			74	24.09	1.5	25.59	<=30	Pass
		36	0	23.26	1.5	24.76	<=30	Pass
			18	23.26	1.5	24.76	<=30	Pass
			39	23.15	1.5	24.65	<=30	Pass
		75	0	23.34	1.5	24.84	<=30	Pass
	1745	1	0	24.1	1.5	25.6	<=30	Pass
			38	24.13	1.5	25.63	<=30	Pass
			74	24.01	1.5	25.51	<=30	Pass
		36	0	23.22	1.5	24.72	<=30	Pass
			18	23.25	1.5	24.75	<=30	Pass
			39	23.13	1.5	24.63	<=30	Pass
		75	0	23.3	1.5	24.8	<=30	Pass
	1772.5	1	0	24.18	1.5	25.68	<=30	Pass
			38	24.23	1.5	25.73	<=30	Pass
			74	24.11	1.5	25.61	<=30	Pass
		36	0	23.3	1.5	24.8	<=30	Pass
			18	23.35	1.5	24.85	<=30	Pass
			39	23.33	1.5	24.83	<=30	Pass
		75	0	23.38	1.5	24.88	<=30	Pass
16QAM	1717.5	1	0	23.31	1.5	24.81	<=30	Pass

			38	23.33	1.5	24.83	<=30	Pass
			74	23.33	1.5	24.83	<=30	Pass
		36	0	22.27	1.5	23.77	<=30	Pass
			18	22.28	1.5	23.78	<=30	Pass
			39	22.18	1.5	23.68	<=30	Pass
		75	0	22.37	1.5	23.87	<=30	Pass
	1745	1	0	23.29	1.5	24.79	<=30	Pass
			38	23.36	1.5	24.86	<=30	Pass
			74	23.28	1.5	24.78	<=30	Pass
		36	0	22.24	1.5	23.74	<=30	Pass
			18	22.25	1.5	23.75	<=30	Pass
			39	22.16	1.5	23.66	<=30	Pass
		75	0	22.34	1.5	23.84	<=30	Pass
	1772.5	1	0	23.35	1.5	24.85	<=30	Pass
			38	23.36	1.5	24.86	<=30	Pass
			74	23.24	1.5	24.74	<=30	Pass
		36	0	22.34	1.5	23.84	<=30	Pass
			18	22.35	1.5	23.85	<=30	Pass
			39	22.32	1.5	23.82	<=30	Pass
		75	0	22.37	1.5	23.87	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B66_20MHz_EIRP

1.6.1 Test Result

Band: 66 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	24.15	1.5	25.65	<=30	Pass
			50	24.17	1.5	25.67	<=30	Pass
			99	24.12	1.5	25.62	<=30	Pass
		50	0	23.27	1.5	24.77	<=30	Pass
			25	23.28	1.5	24.78	<=30	Pass
			50	23.22	1.5	24.72	<=30	Pass
		100	0	23.42	1.5	24.92	<=30	Pass
	1745	1	0	24.13	1.5	25.63	<=30	Pass
			50	24.17	1.5	25.67	<=30	Pass
			99	24.09	1.5	25.59	<=30	Pass
		50	0	23.3	1.5	24.8	<=30	Pass

			25	23.31	1.5	24.81	<=30	Pass
			50	23.18	1.5	24.68	<=30	Pass
		100	0	23.4	1.5	24.9	<=30	Pass
	1770	1	0	24.19	1.5	25.69	<=30	Pass
			50	24.22	1.5	25.72	<=30	Pass
			99	24.13	1.5	25.63	<=30	Pass
		50	0	23.3	1.5	24.8	<=30	Pass
			25	23.35	1.5	24.85	<=30	Pass
			50	23.32	1.5	24.82	<=30	Pass
		100	0	23.47	1.5	24.97	<=30	Pass
16QAM	1720	1	0	23.43	1.5	24.93	<=30	Pass
			50	23.49	1.5	24.99	<=30	Pass
			99	23.34	1.5	24.84	<=30	Pass
		50	0	22.27	1.5	23.77	<=30	Pass
			25	22.31	1.5	23.81	<=30	Pass
			50	22.21	1.5	23.71	<=30	Pass
		100	0	22.39	1.5	23.89	<=30	Pass
	1745	1	0	23.34	1.5	24.84	<=30	Pass
			50	23.54	1.5	25.04	<=30	Pass
			99	23.21	1.5	24.71	<=30	Pass
		50	0	22.29	1.5	23.79	<=30	Pass
			25	22.28	1.5	23.78	<=30	Pass
			50	22.2	1.5	23.7	<=30	Pass
		100	0	22.41	1.5	23.91	<=30	Pass
	1770	1	0	23.42	1.5	24.92	<=30	Pass
			50	23.54	1.5	25.04	<=30	Pass
			99	23.45	1.5	24.95	<=30	Pass
		50	0	22.32	1.5	23.82	<=30	Pass
			25	22.39	1.5	23.89	<=30	Pass
			50	22.33	1.5	23.83	<=30	Pass
		100	0	22.48	1.5	23.98	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B66_20MHz

2.1.1 Test Result

Band: 66 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	0.687	0.0004	-2.5 to 2.5	Pass
					3.85	1.044	0.0006	-2.5 to 2.5	Pass
					4.43	0.730	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				0	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				30	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.687	0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.415	-0.0002	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	0.215	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				50	3.85	0.286	0.0002	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-0.629	-0.0004	-2.5 to 2.5	Pass
					3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.903	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

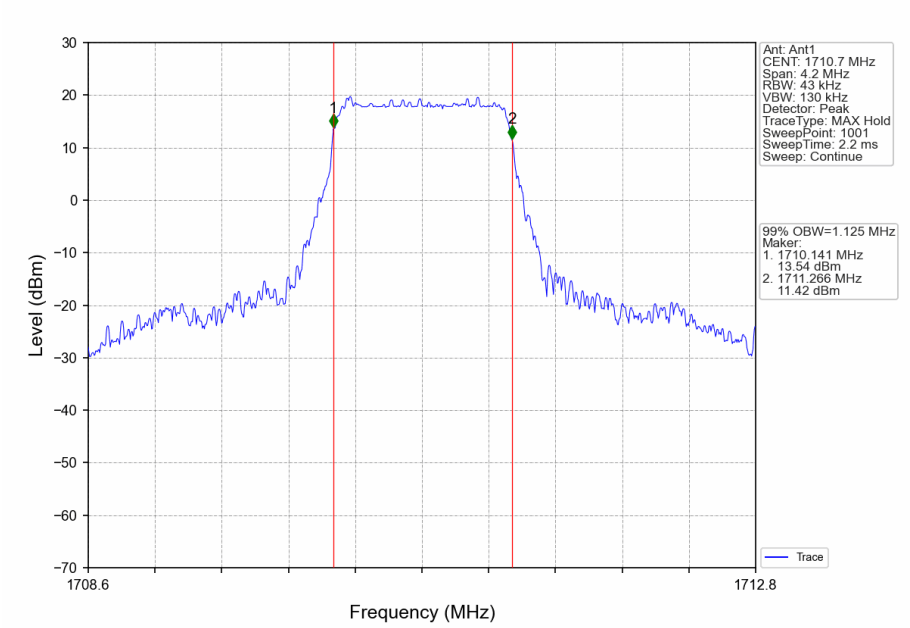
3.1 Band66_OBW

3.1.1 Test Result

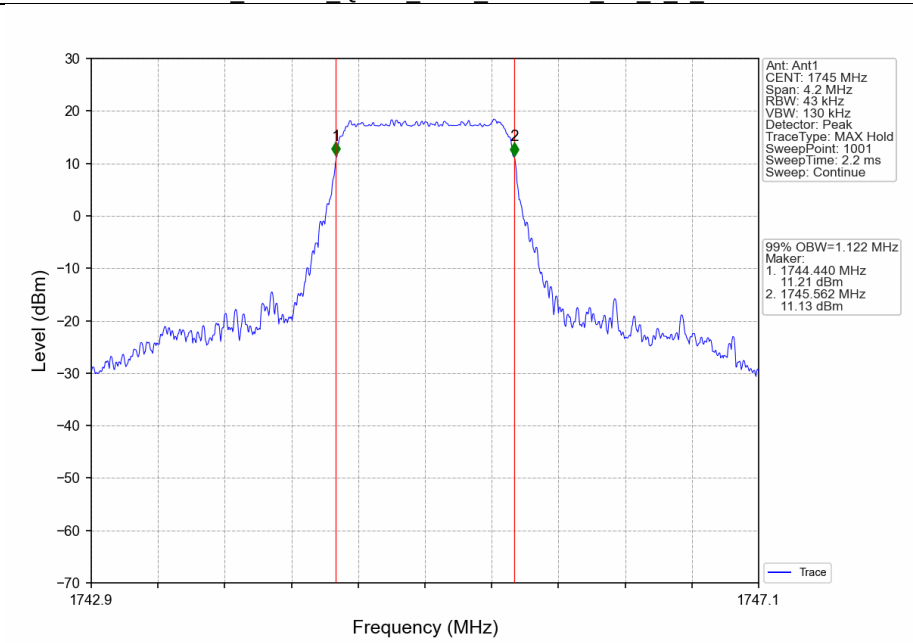
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.125	/	Pass
		1745	6	0	1.122	/	Pass
		1779.3	6	0	1.117	/	Pass
	16QAM	1710.7	6	0	1.126	/	Pass
		1745	6	0	1.126	/	Pass
		1779.3	6	0	1.123	/	Pass
3	QPSK	1711.5	15	0	2.735	/	Pass
		1745	15	0	2.745	/	Pass
		1778.5	15	0	2.753	/	Pass
	16QAM	1711.5	15	0	2.749	/	Pass
		1745	15	0	2.741	/	Pass
		1778.5	15	0	2.748	/	Pass
5	QPSK	1712.5	25	0	4.571	/	Pass
		1745	25	0	4.564	/	Pass
		1777.5	25	0	4.576	/	Pass
	16QAM	1712.5	25	0	4.584	/	Pass
		1745	25	0	4.578	/	Pass
		1777.5	25	0	4.576	/	Pass
10	QPSK	1715	50	0	9.074	/	Pass
		1745	50	0	9.047	/	Pass
		1775	50	0	9.087	/	Pass
	16QAM	1715	50	0	9.123	/	Pass
		1745	50	0	9.089	/	Pass
		1775	50	0	9.078	/	Pass
15	QPSK	1717.5	75	0	13.632	/	Pass
		1745	75	0	13.626	/	Pass
		1772.5	75	0	13.630	/	Pass
	16QAM	1717.5	75	0	13.625	/	Pass
		1745	75	0	13.626	/	Pass
		1772.5	75	0	13.632	/	Pass
20	QPSK	1720	100	0	18.137	/	Pass
		1745	100	0	18.130	/	Pass
		1770	100	0	18.186	/	Pass
	16QAM	1720	100	0	18.135	/	Pass
		1745	100	0	18.116	/	Pass
		1770	100	0	18.181	/	Pass

3.1.2 Test Graph

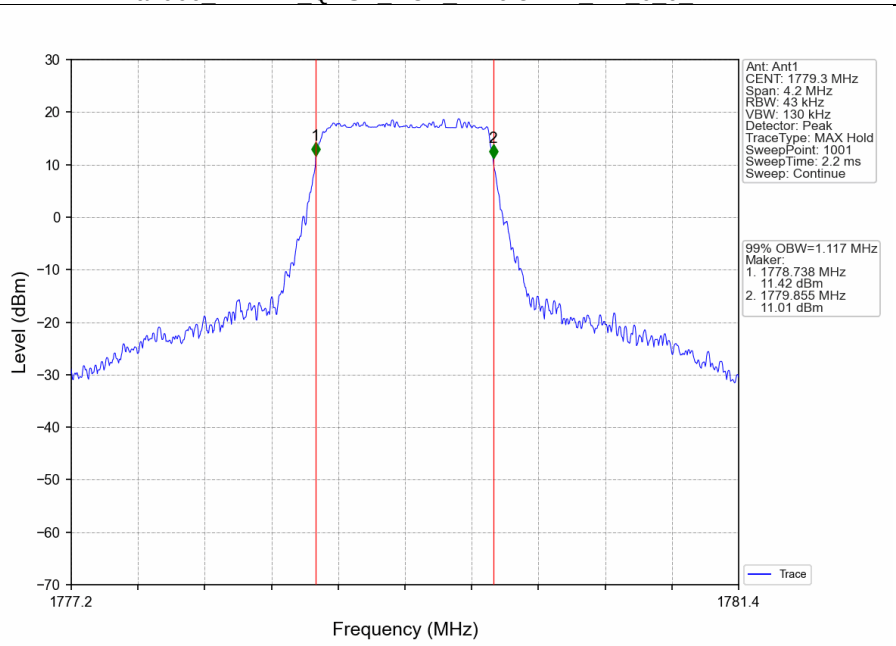
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



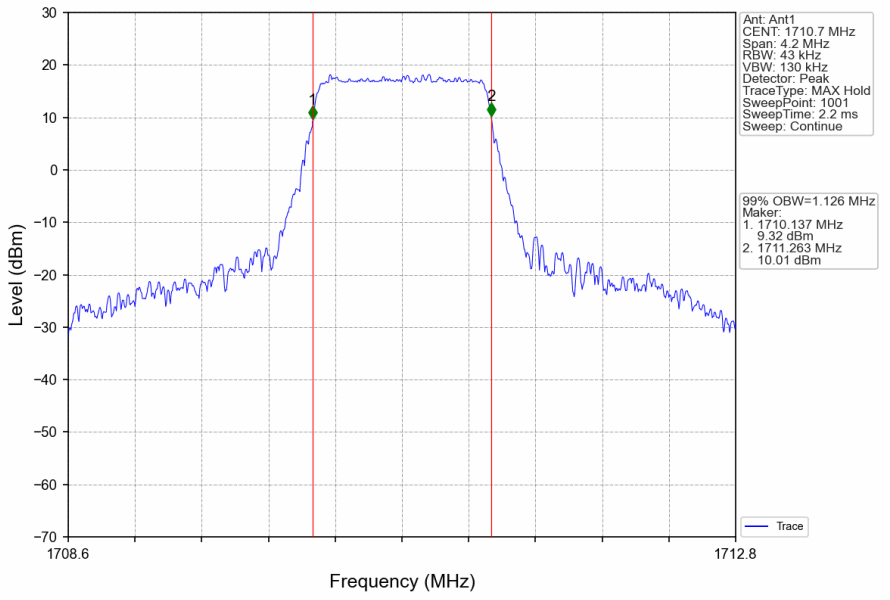
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



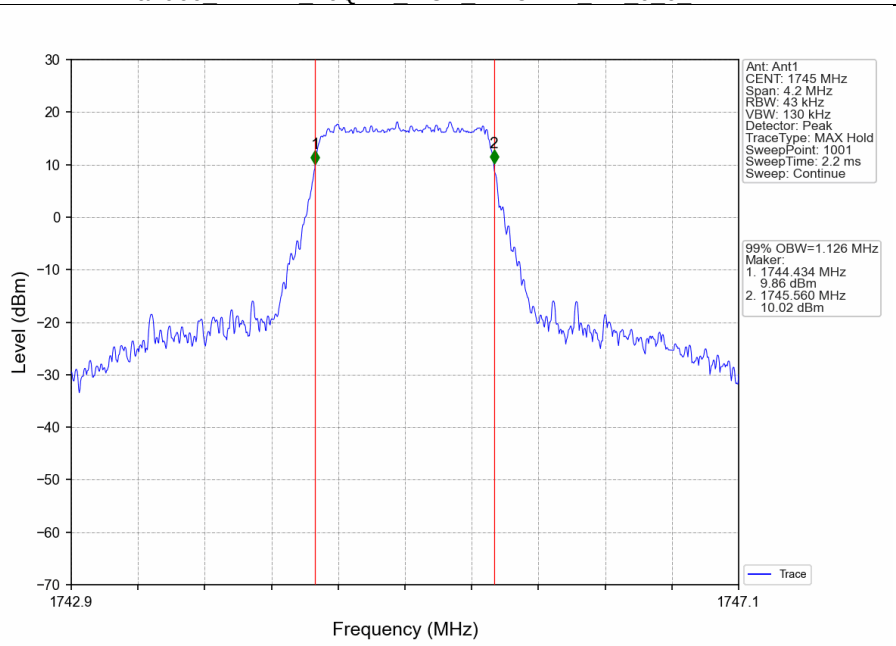
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



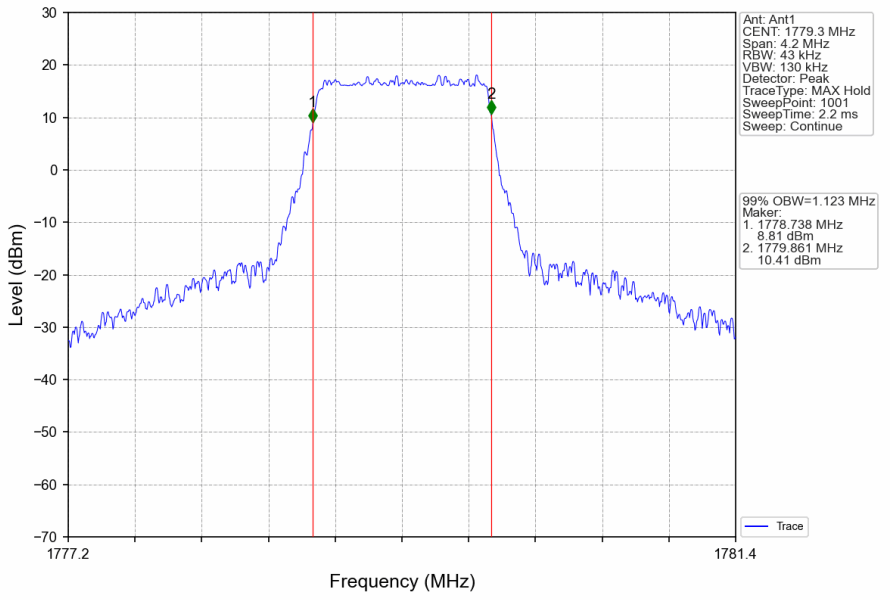
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



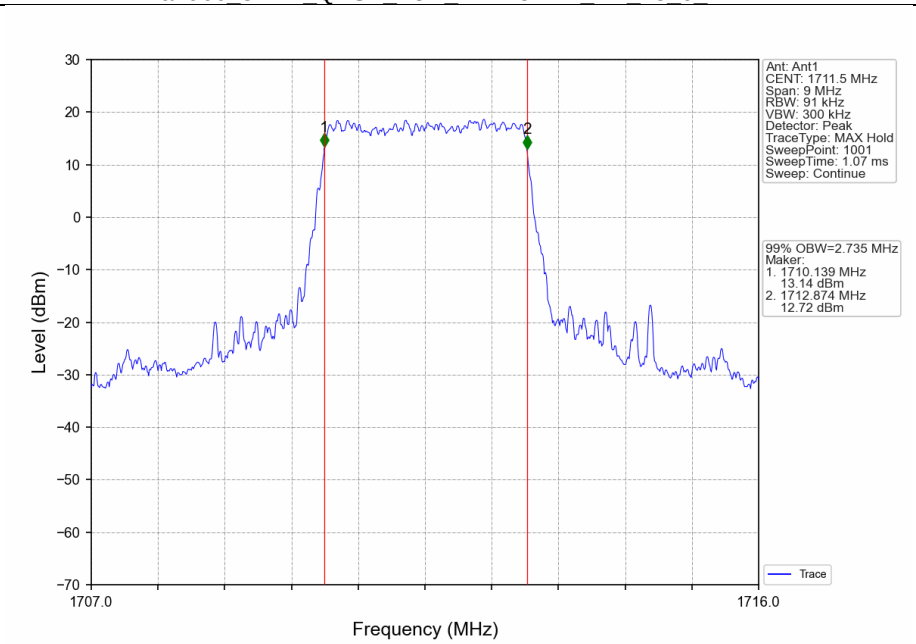
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



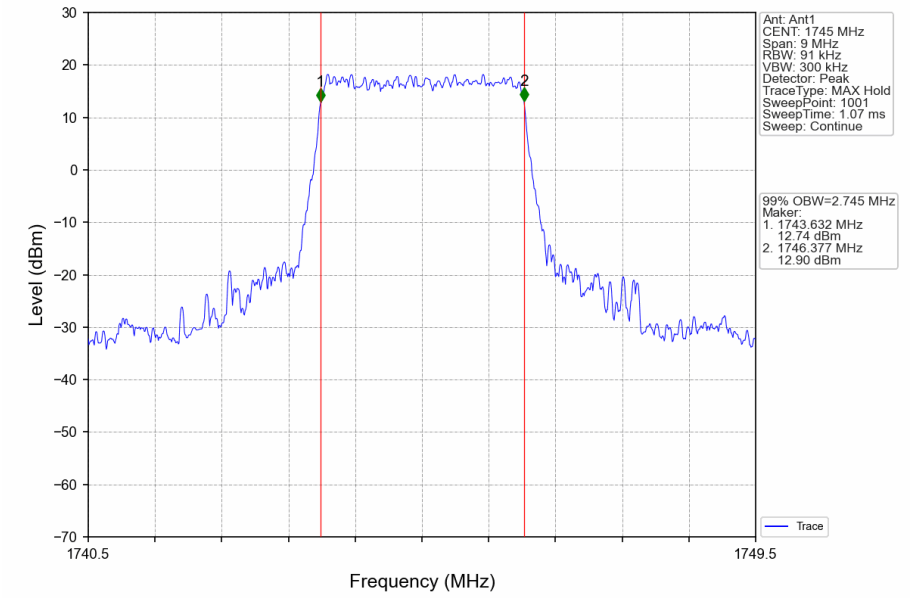
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



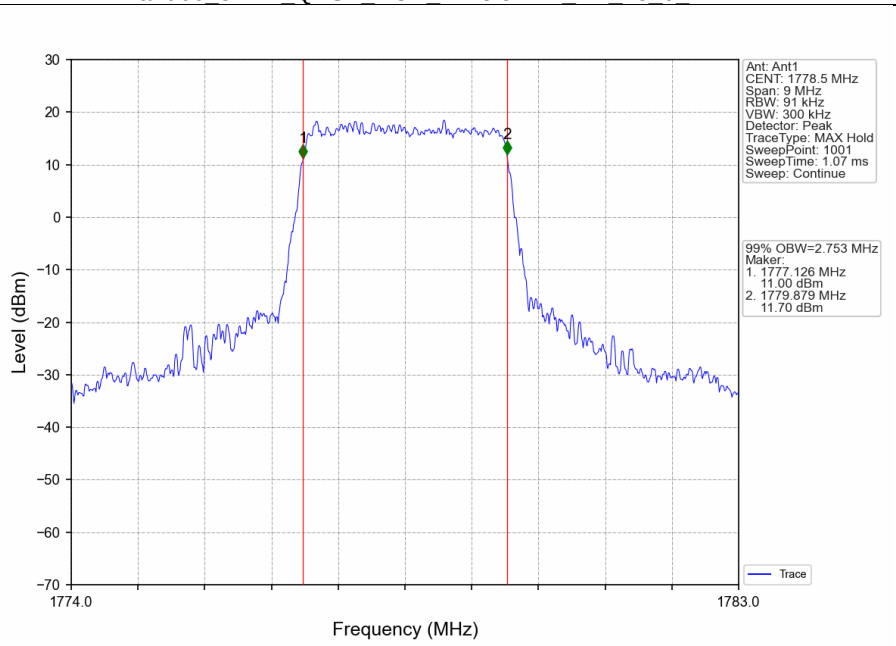
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



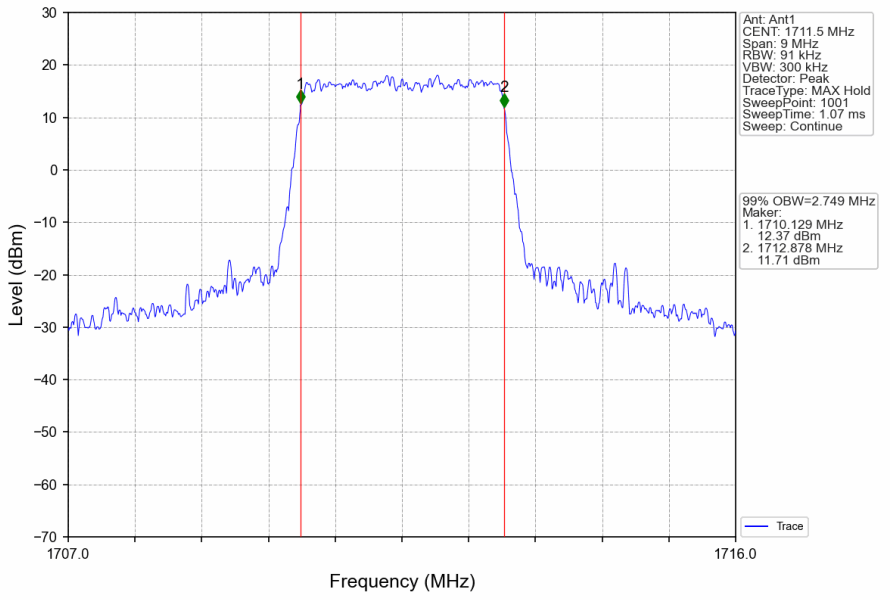
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



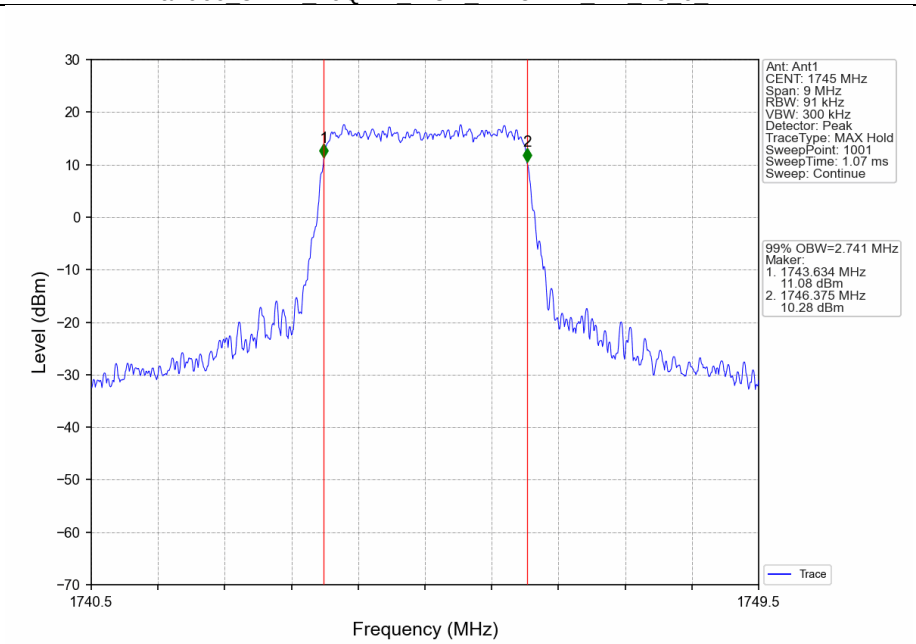
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



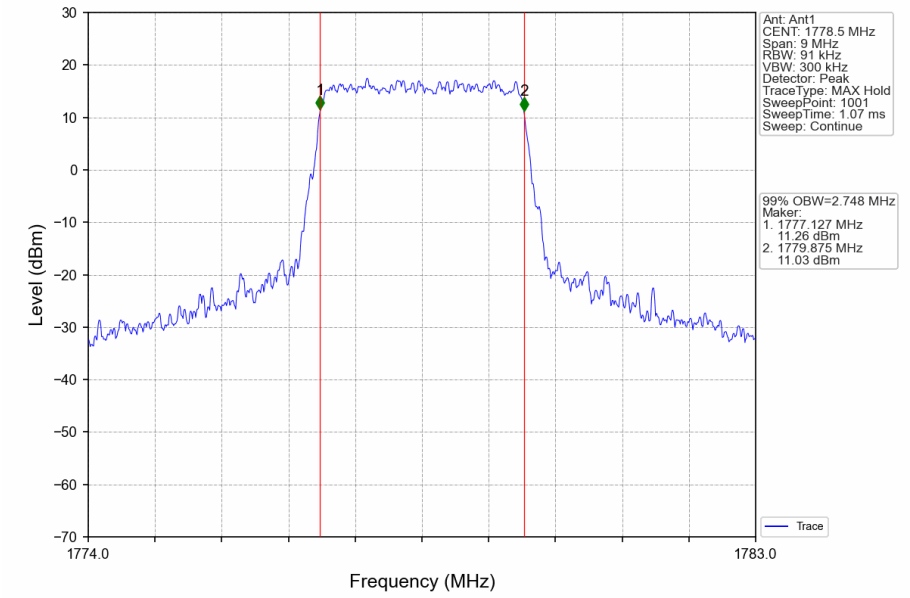
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



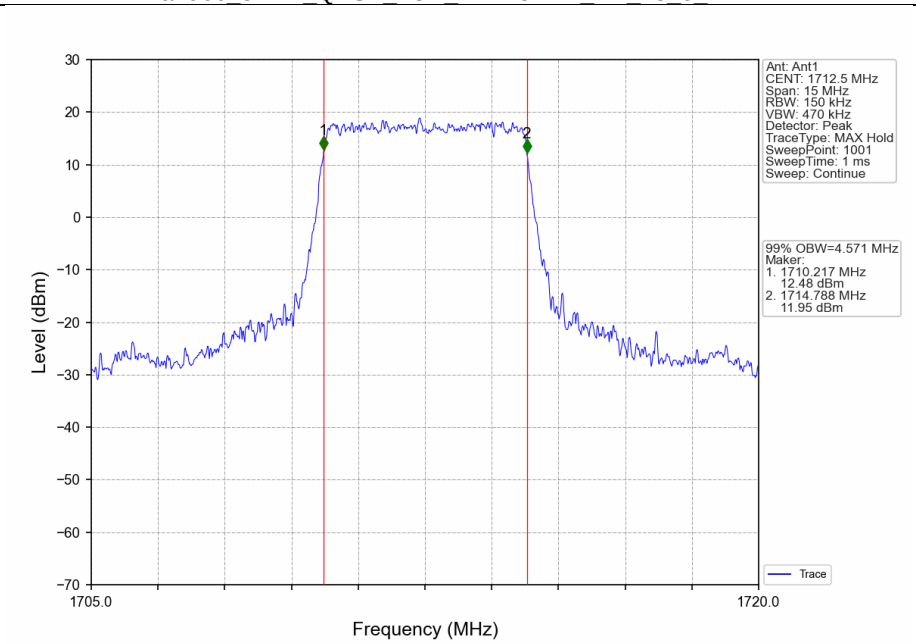
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



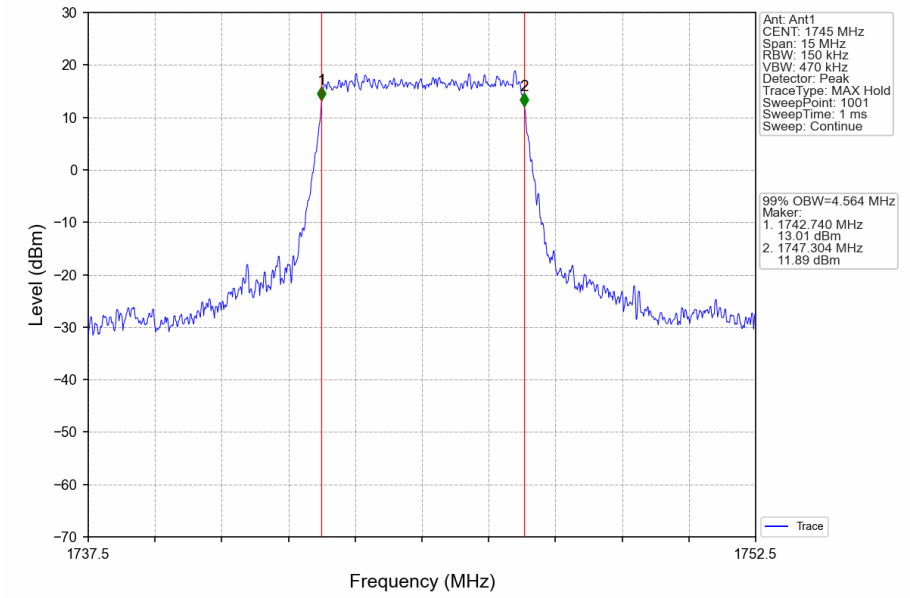
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



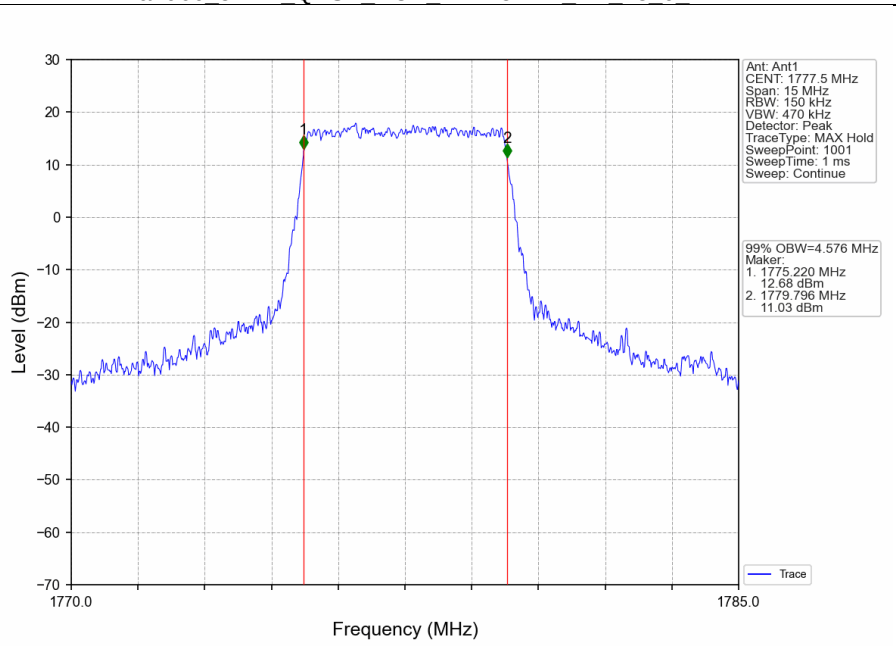
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



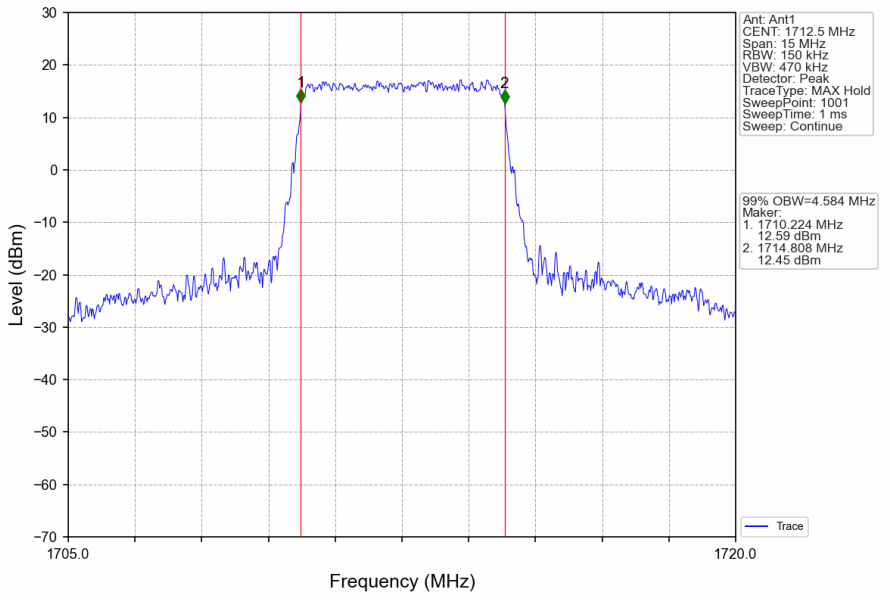
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



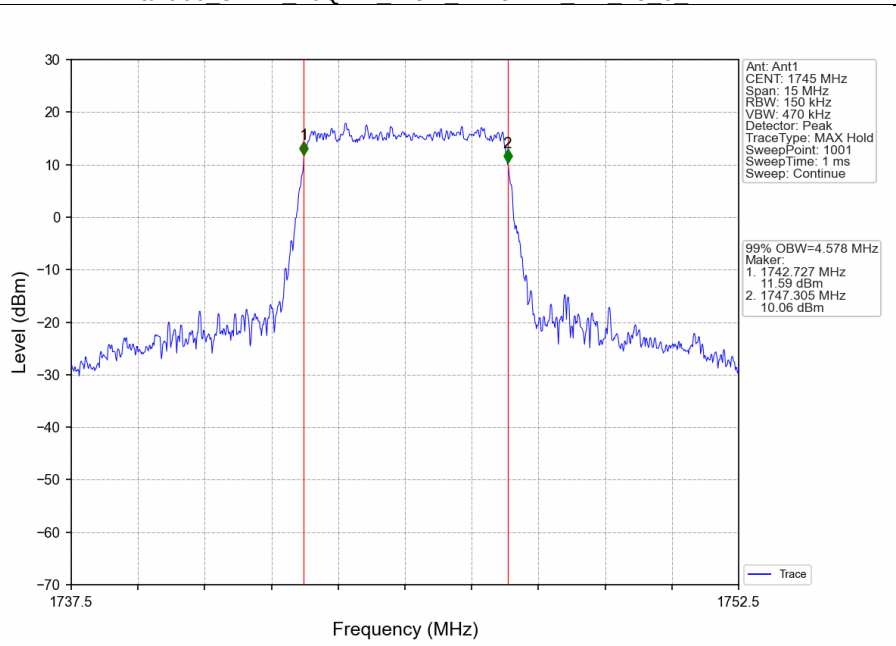
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



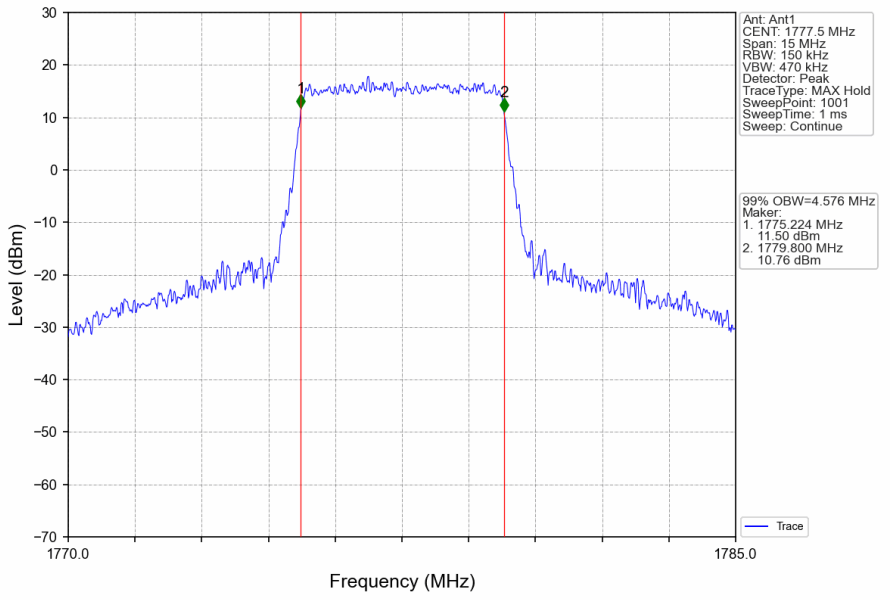
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



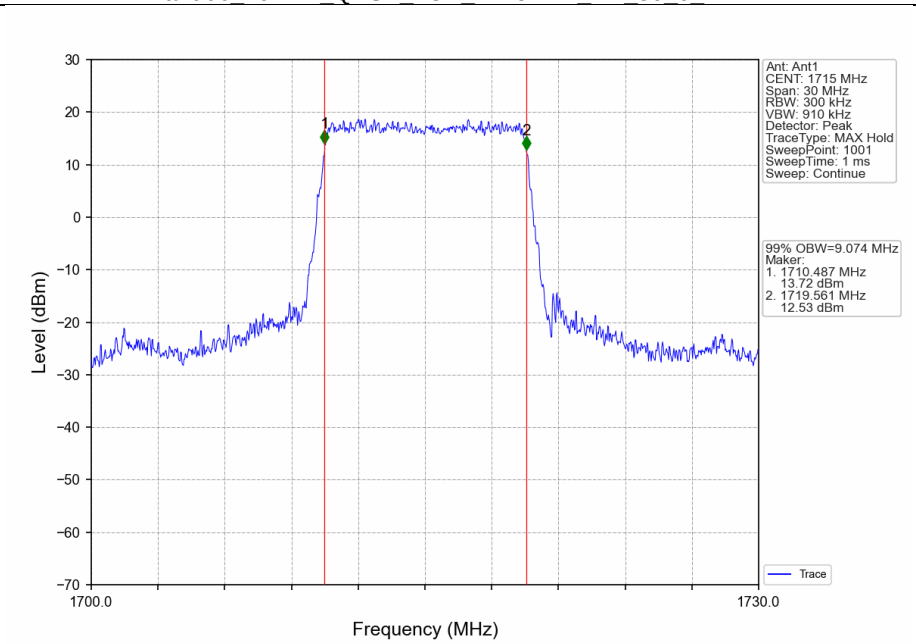
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



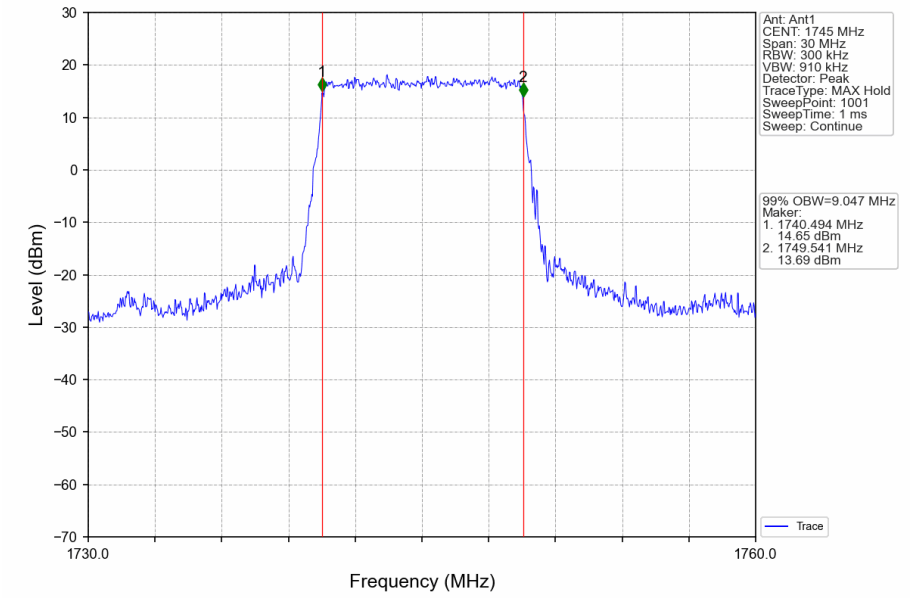
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



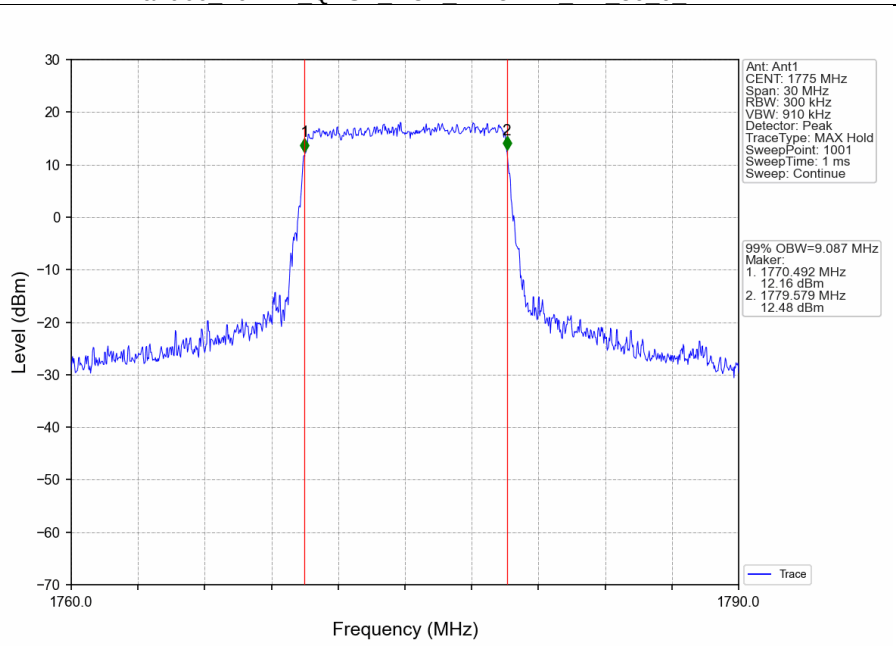
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



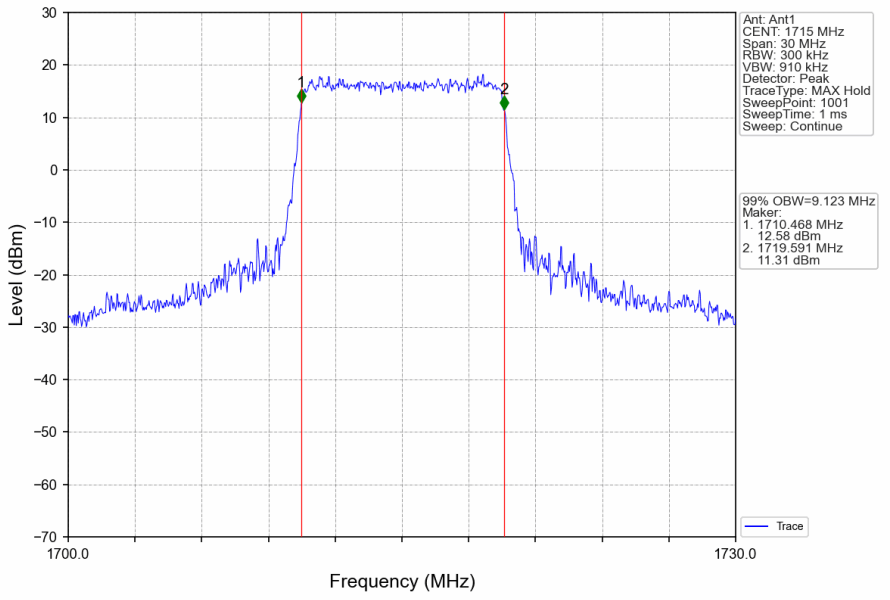
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



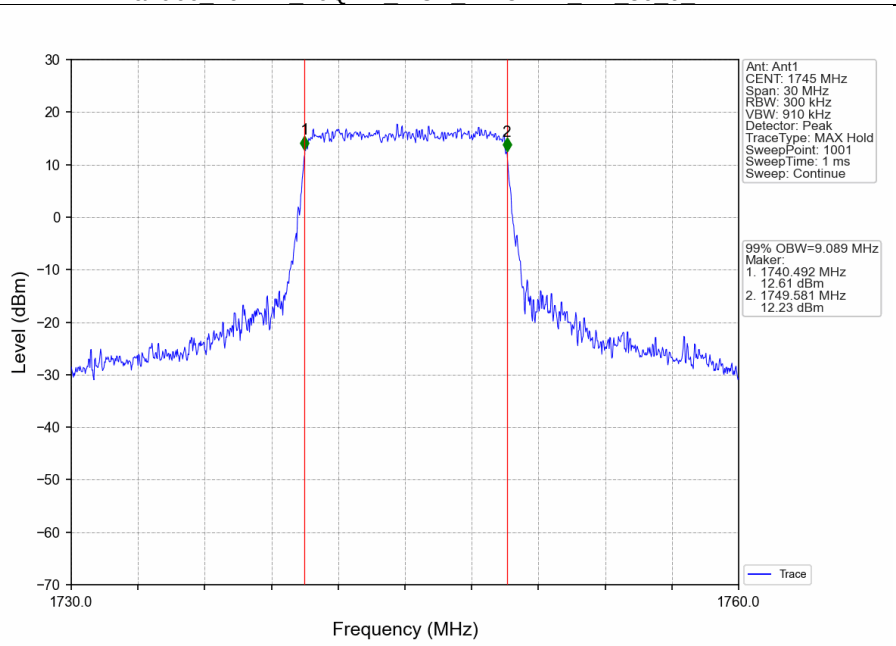
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



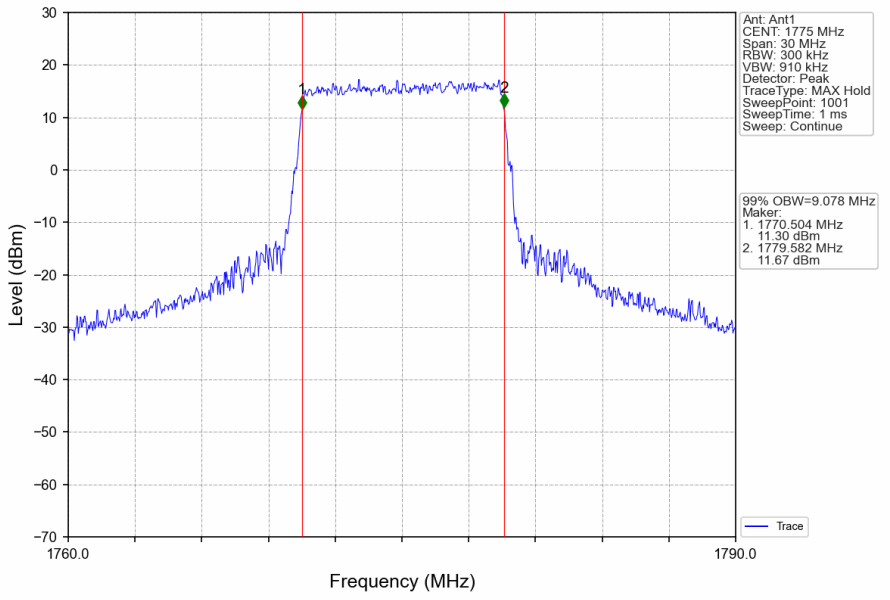
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



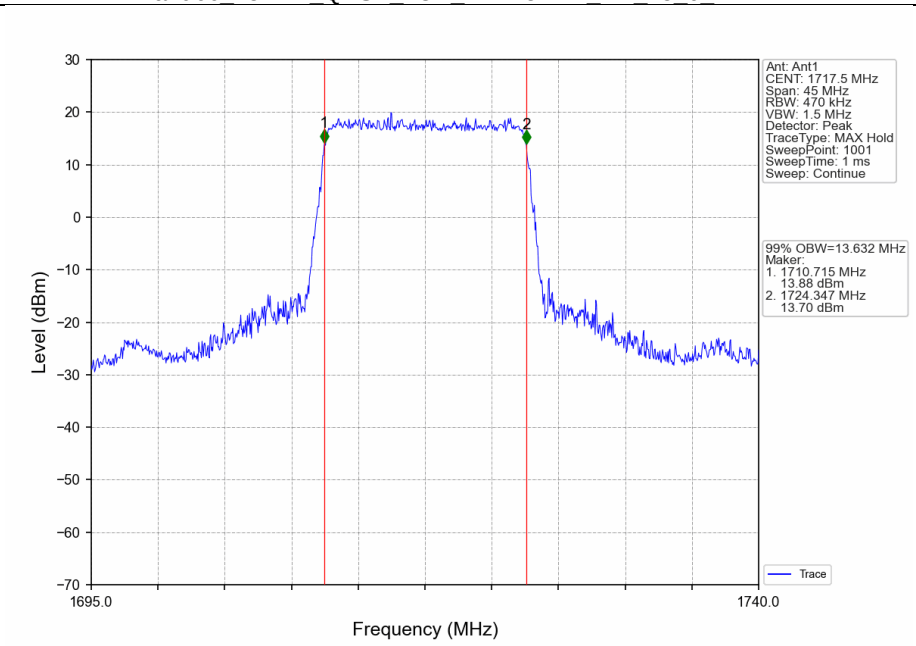
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



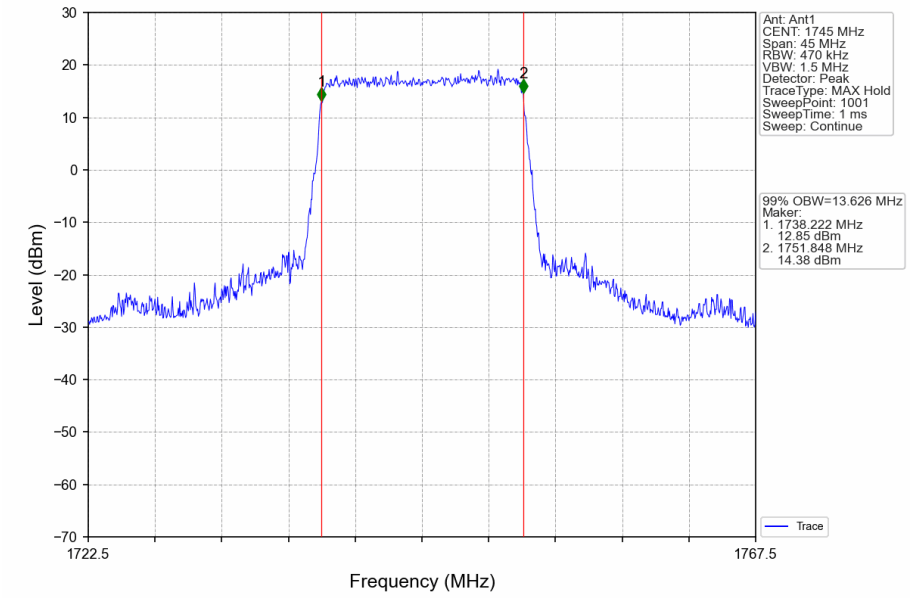
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



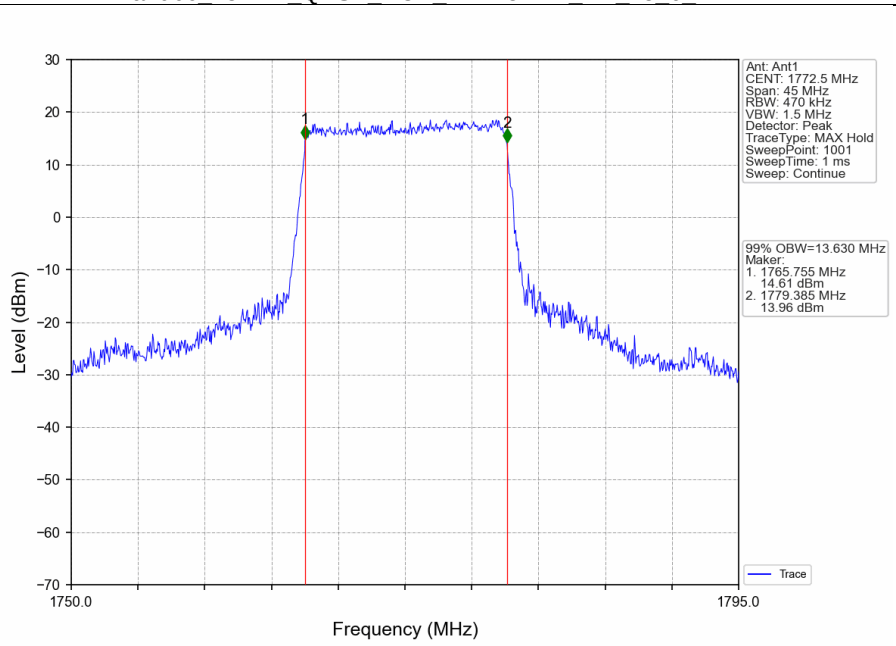
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



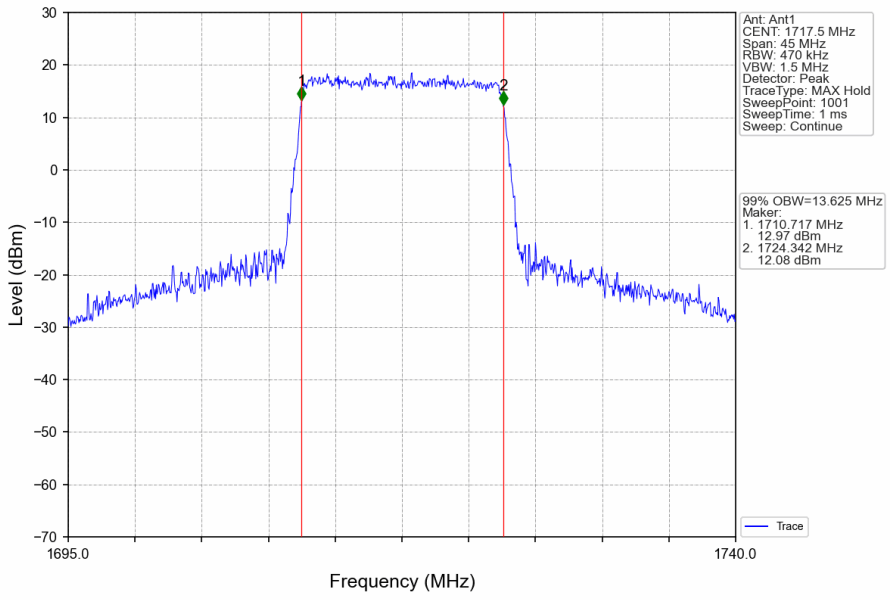
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



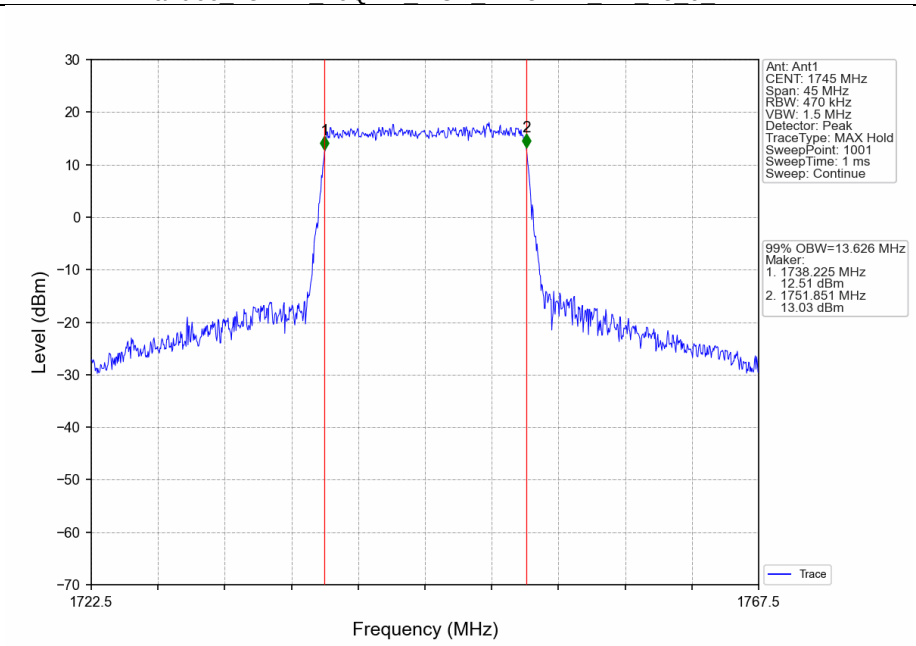
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



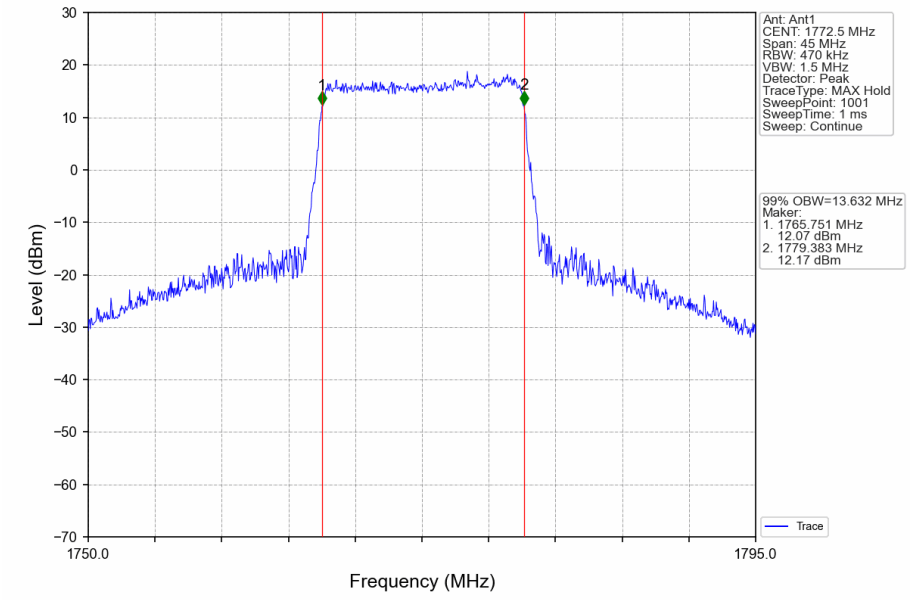
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



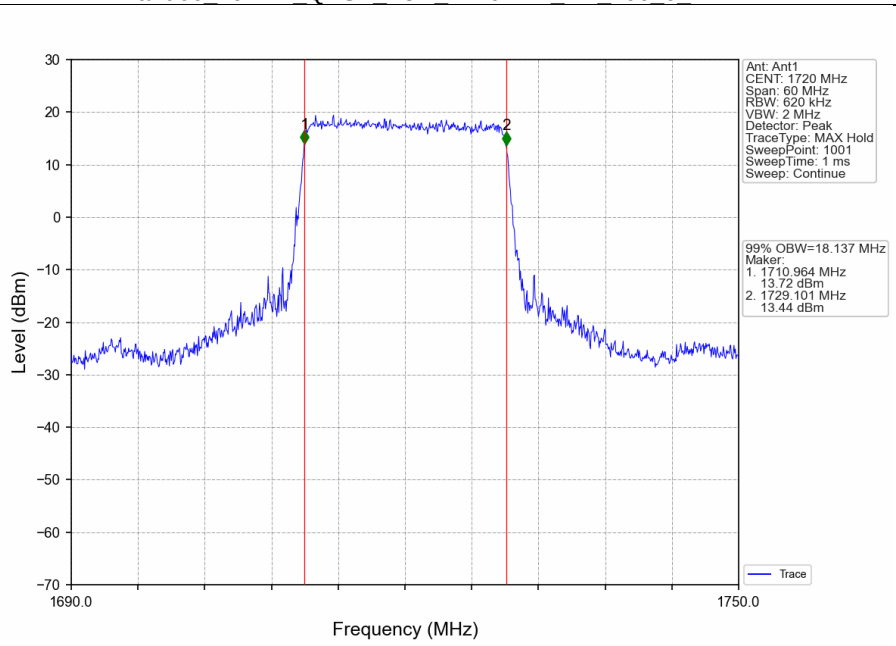
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



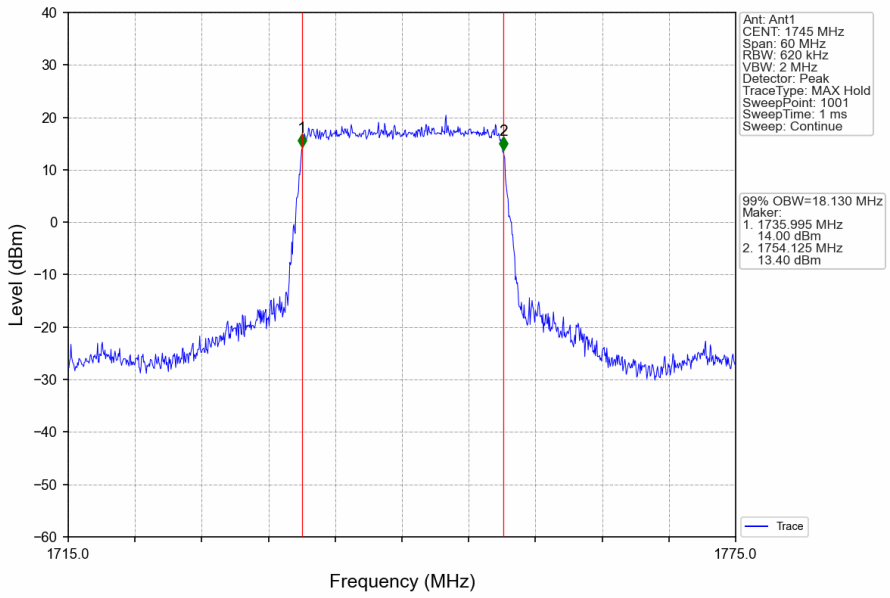
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



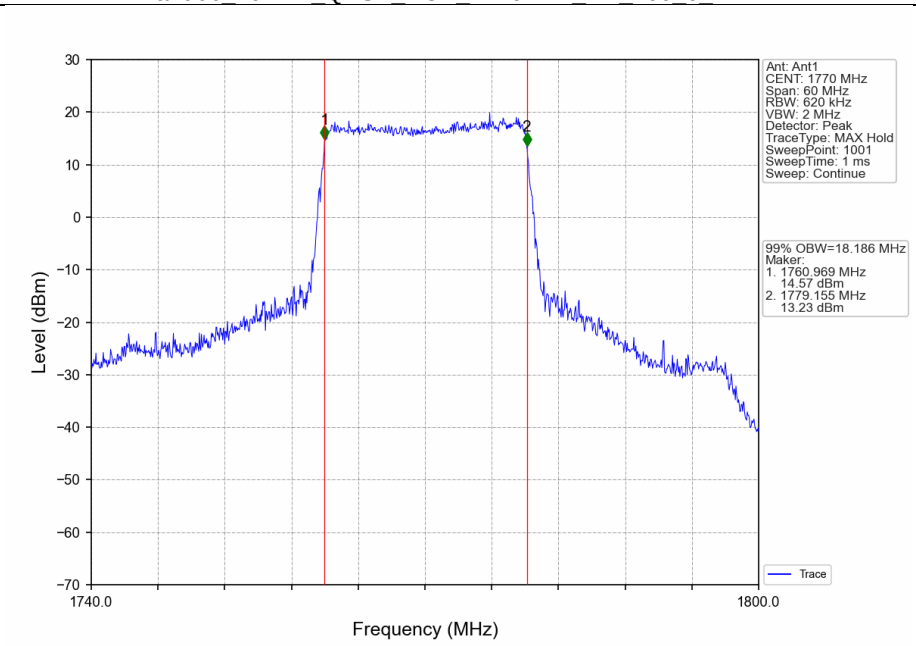
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



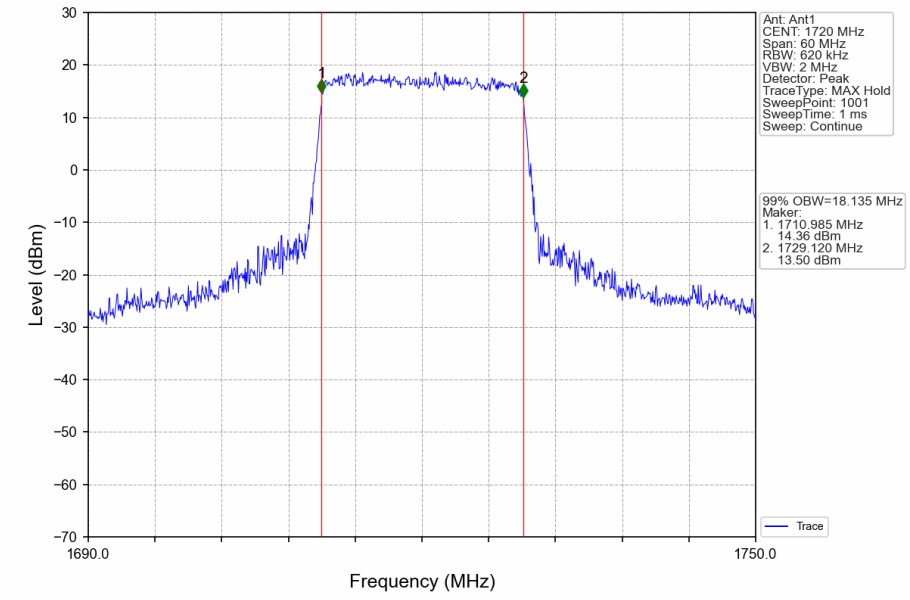
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



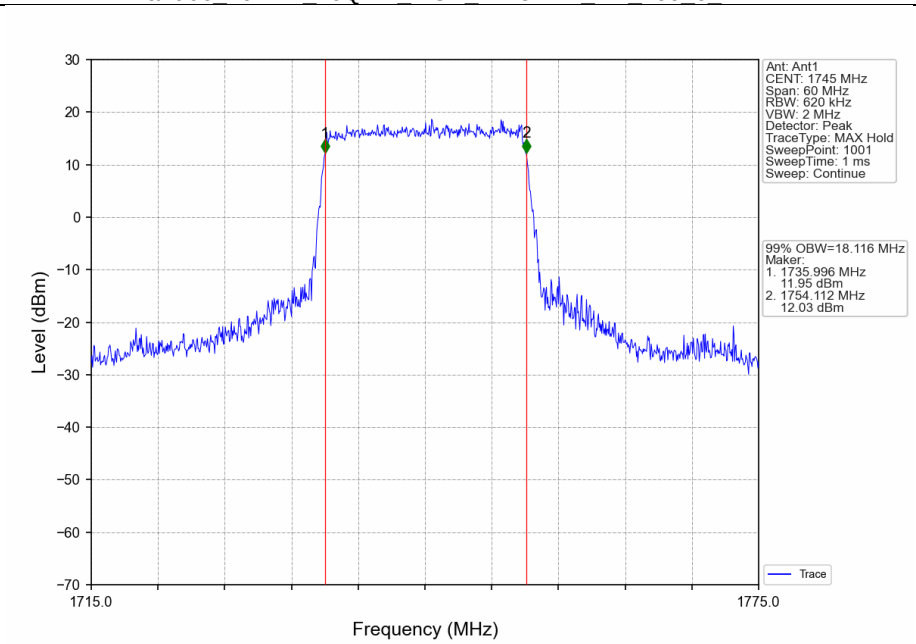
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



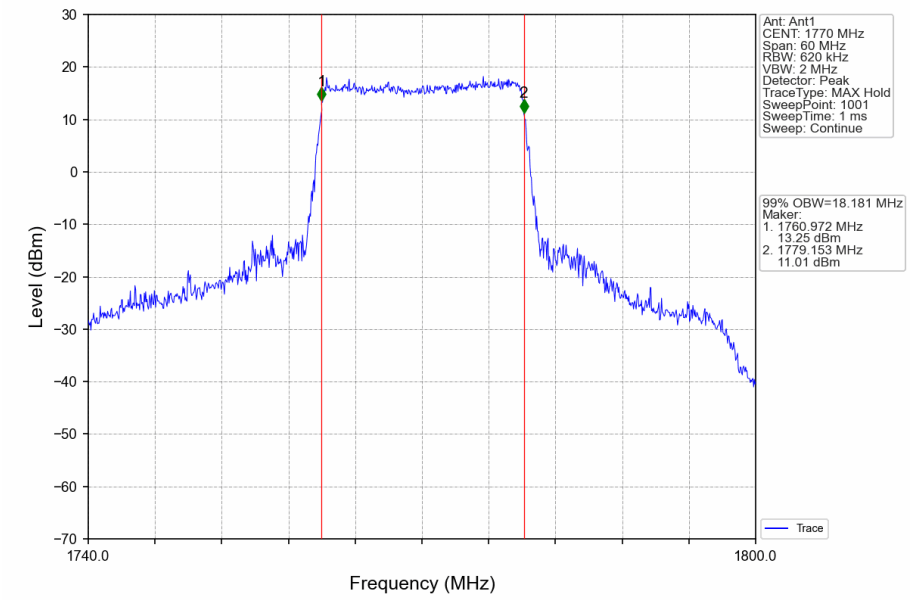
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



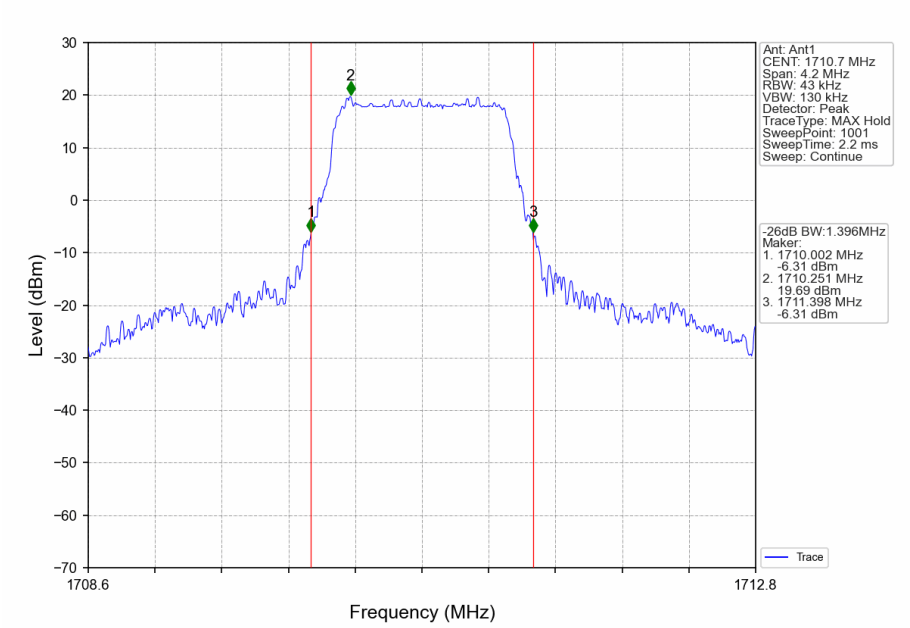
3.2 Band66_XDB

3.2.1 Test Result

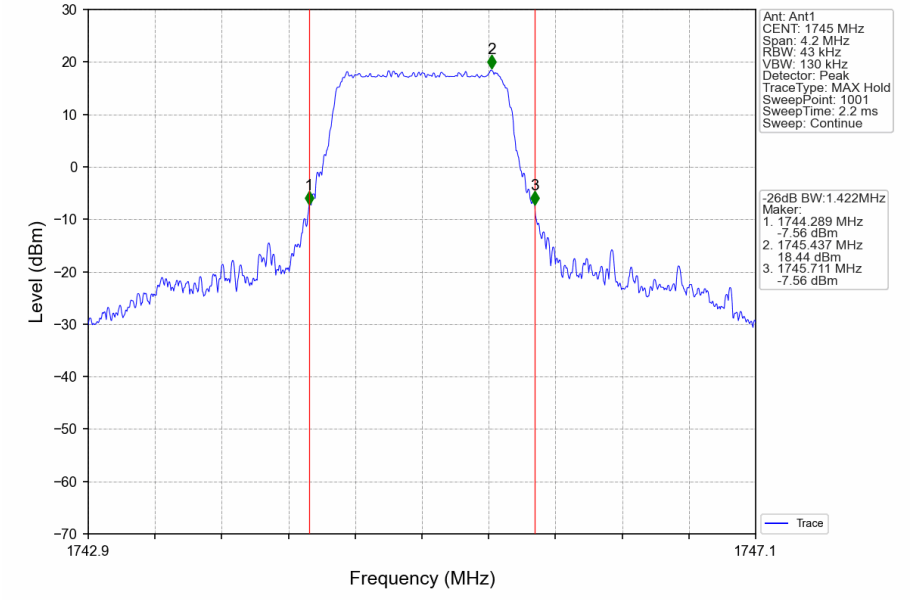
Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.396	/	Pass
		1745	6	0	1.422	/	Pass
		1779.3	6	0	1.378	/	Pass
	16QAM	1710.7	6	0	1.414	/	Pass
		1745	6	0	1.424	/	Pass
		1779.3	6	0	1.392	/	Pass
3	QPSK	1711.5	15	0	3.155	/	Pass
		1745	15	0	3.141	/	Pass
		1778.5	15	0	3.158	/	Pass
	16QAM	1711.5	15	0	3.130	/	Pass
		1745	15	0	3.152	/	Pass
		1778.5	15	0	3.179	/	Pass
5	QPSK	1712.5	25	0	5.221	/	Pass
		1745	25	0	5.229	/	Pass
		1777.5	25	0	5.269	/	Pass
	16QAM	1712.5	25	0	5.288	/	Pass
		1745	25	0	5.242	/	Pass
		1777.5	25	0	5.269	/	Pass
10	QPSK	1715	50	0	10.207	/	Pass
		1745	50	0	10.304	/	Pass
		1775	50	0	10.307	/	Pass
	16QAM	1715	50	0	10.310	/	Pass
		1745	50	0	10.194	/	Pass
		1775	50	0	10.097	/	Pass
15	QPSK	1717.5	75	0	15.226	/	Pass
		1745	75	0	15.053	/	Pass
		1772.5	75	0	15.208	/	Pass
	16QAM	1717.5	75	0	15.142	/	Pass
		1745	75	0	15.218	/	Pass
		1772.5	75	0	15.160	/	Pass
20	QPSK	1720	100	0	20.084	/	Pass
		1745	100	0	20.013	/	Pass
		1770	100	0	19.963	/	Pass
	16QAM	1720	100	0	20.132	/	Pass
		1745	100	0	19.939	/	Pass
		1770	100	0	20.226	/	Pass

3.2.2 Test Graph

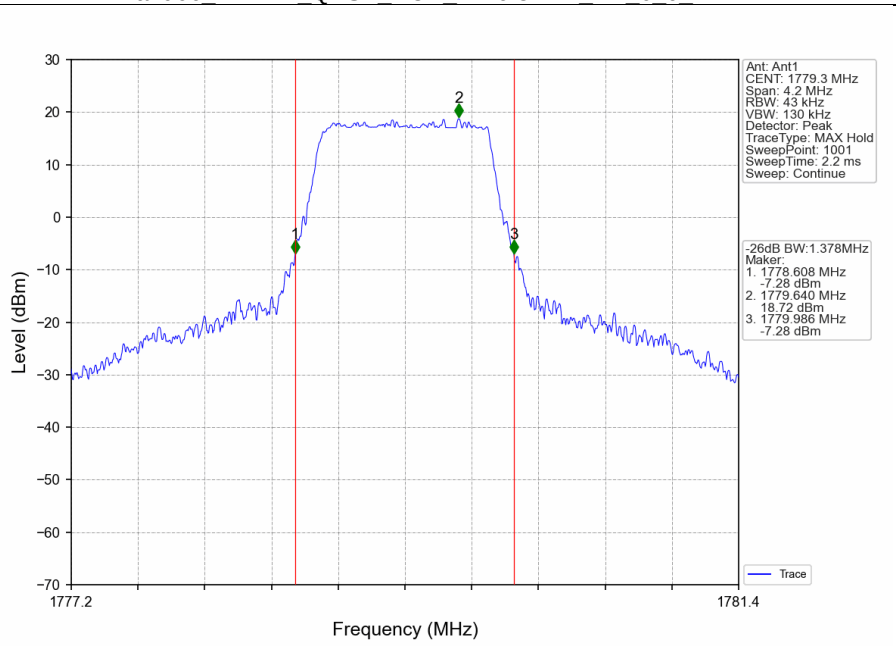
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



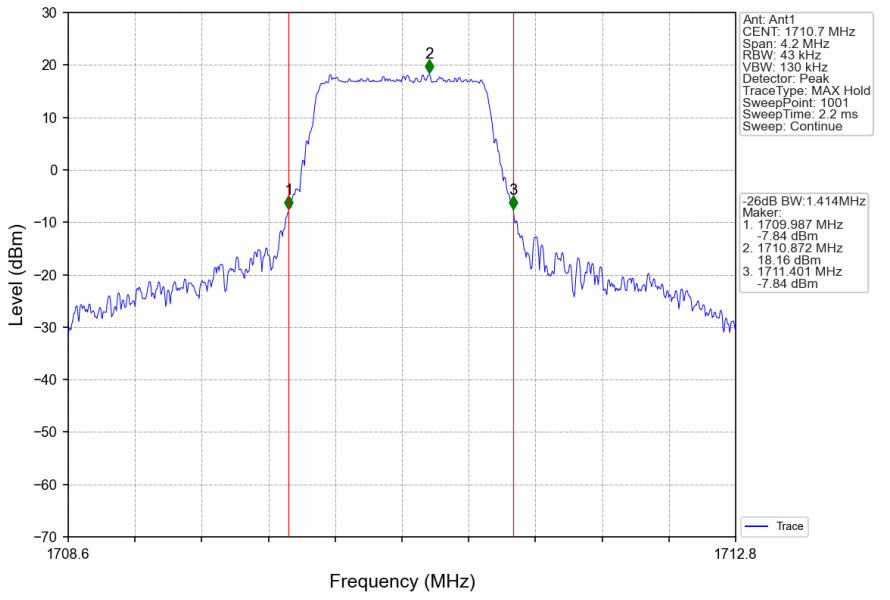
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_6_0_NTNV



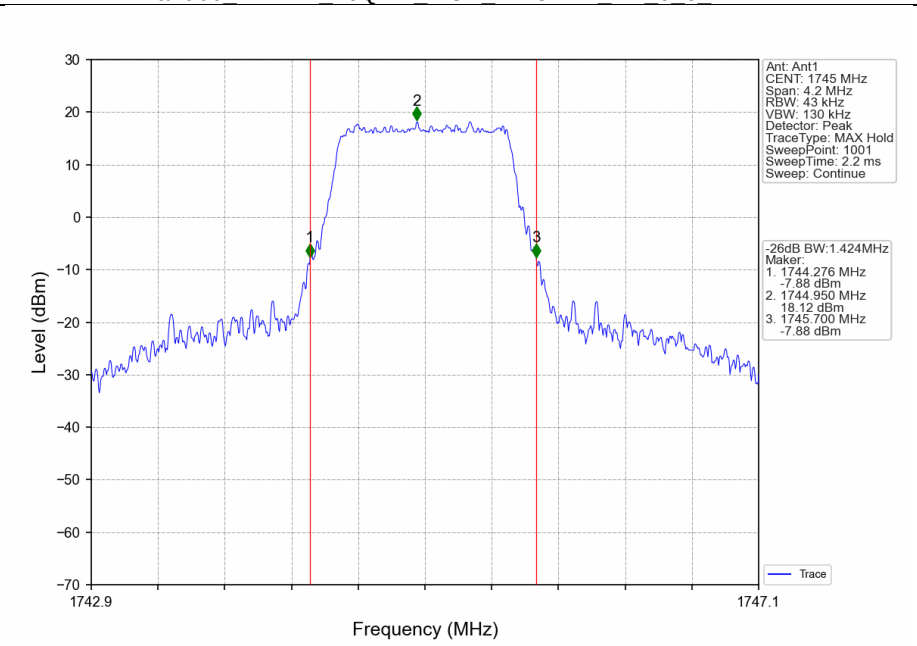
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



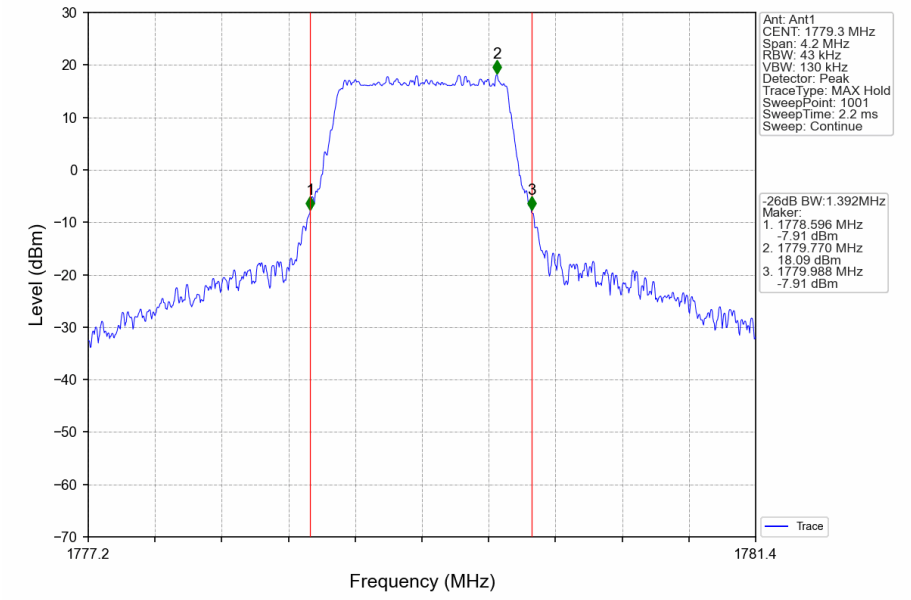
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



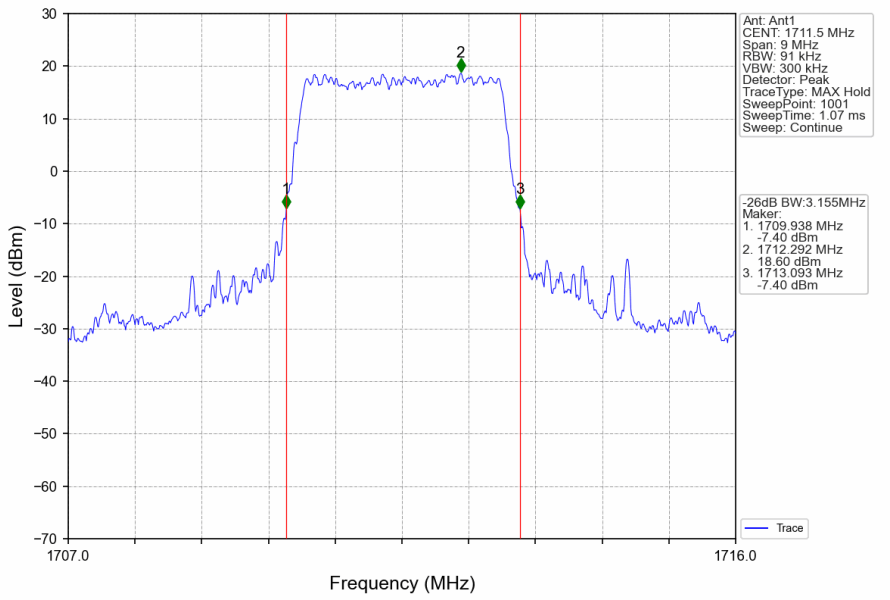
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



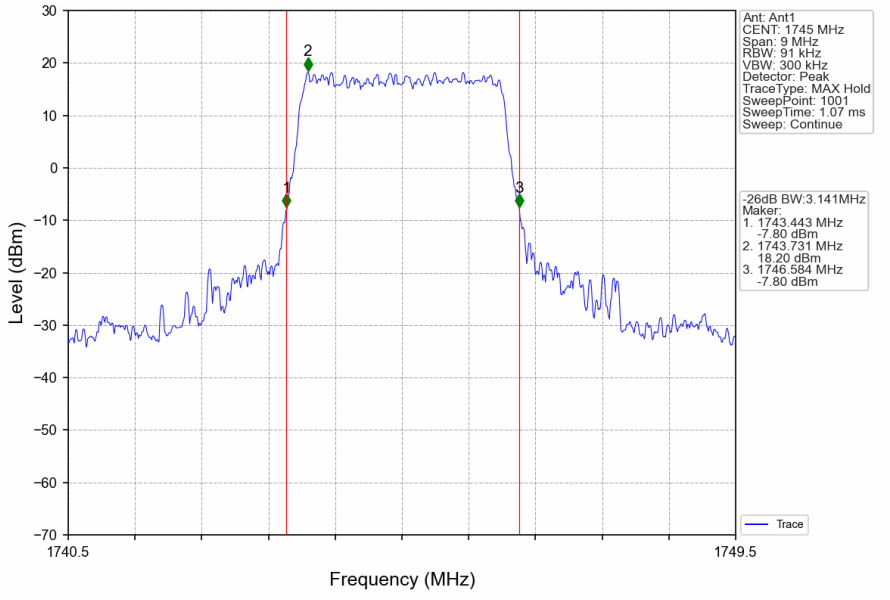
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



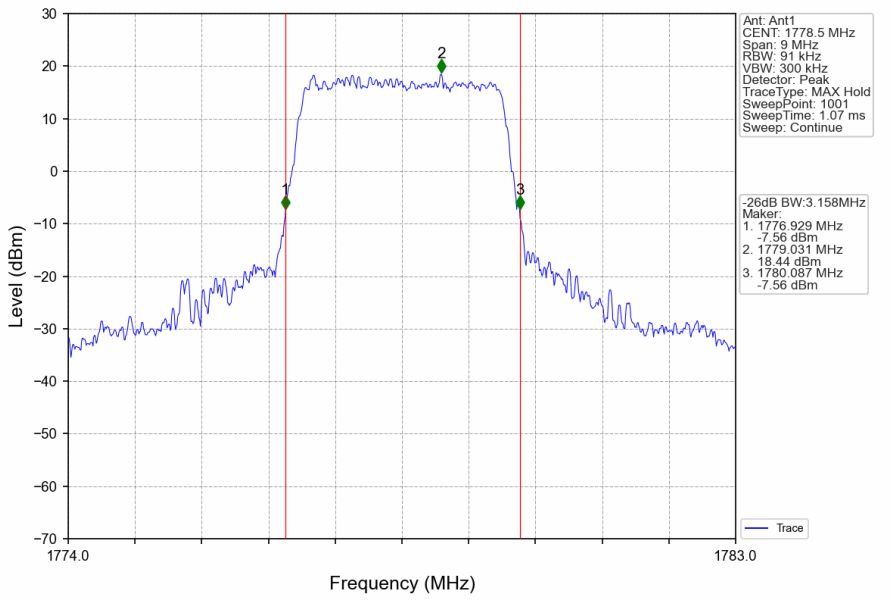
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



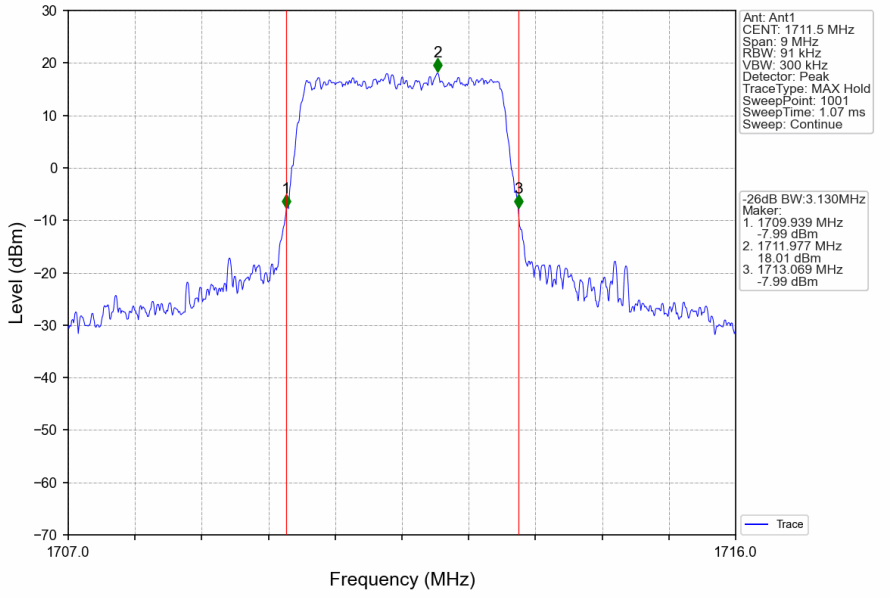
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



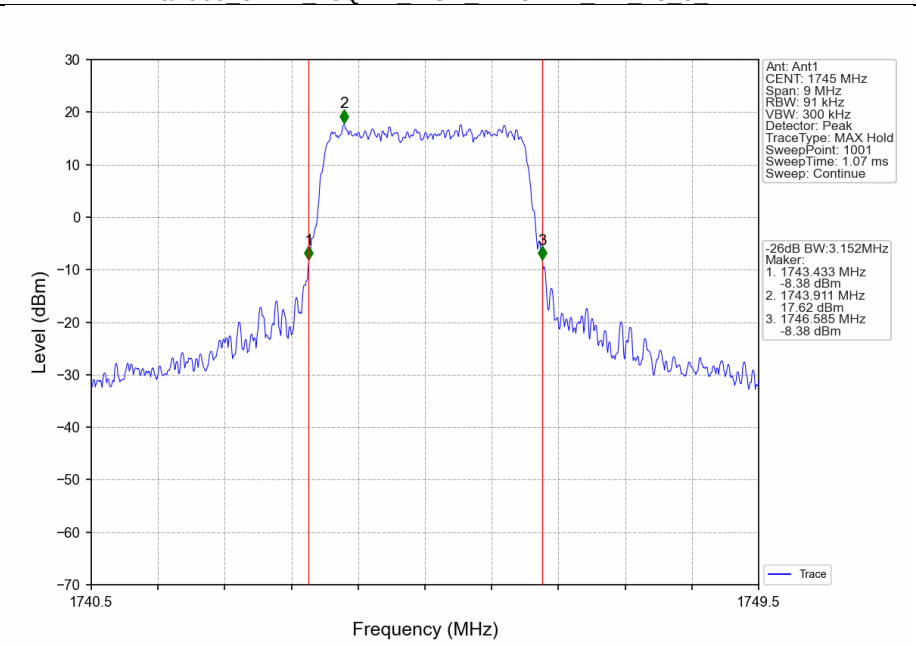
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



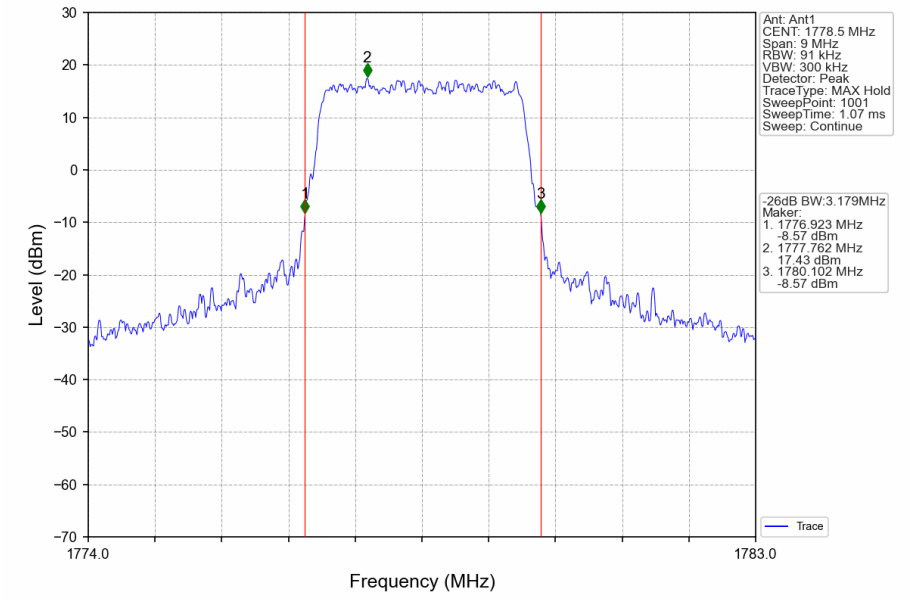
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



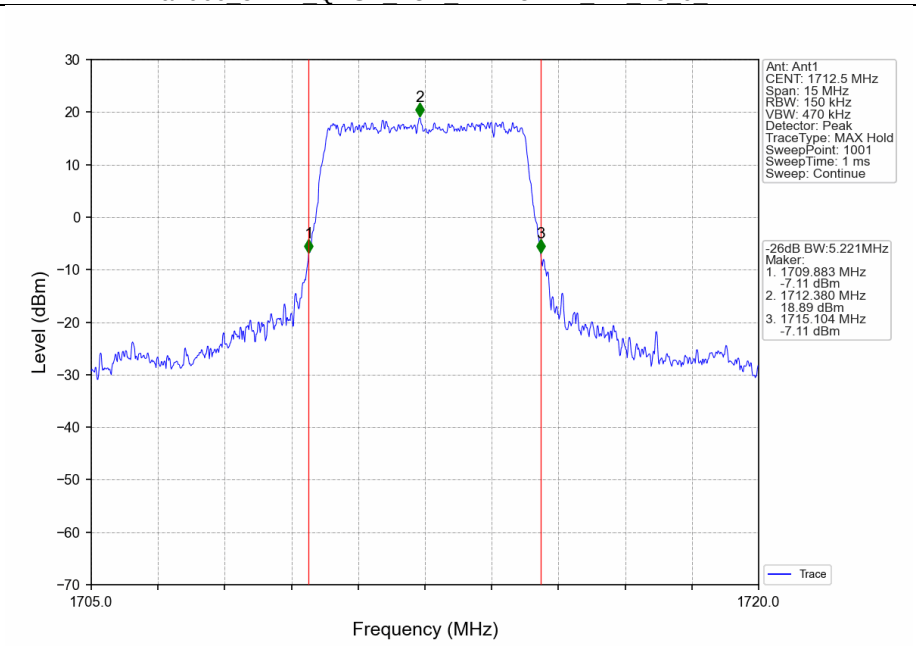
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



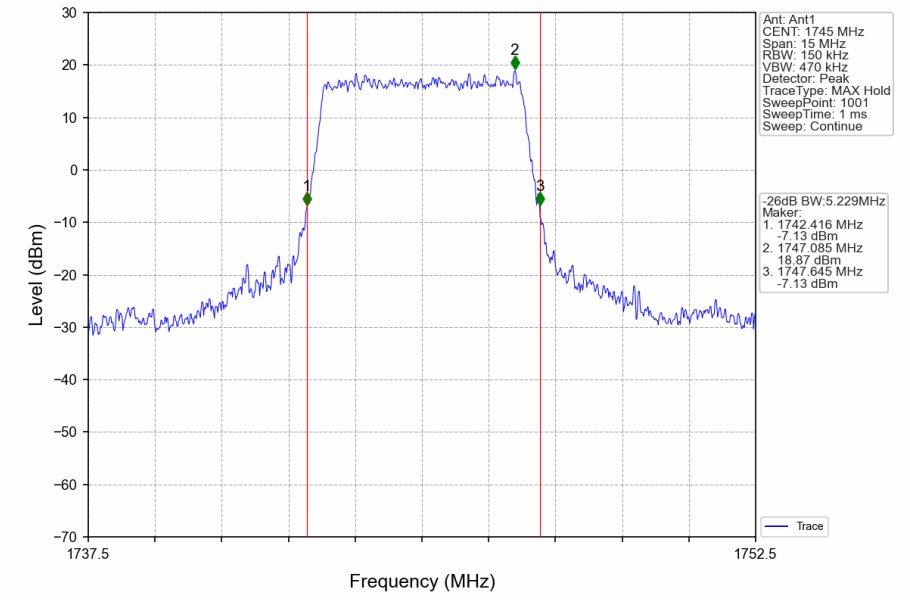
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



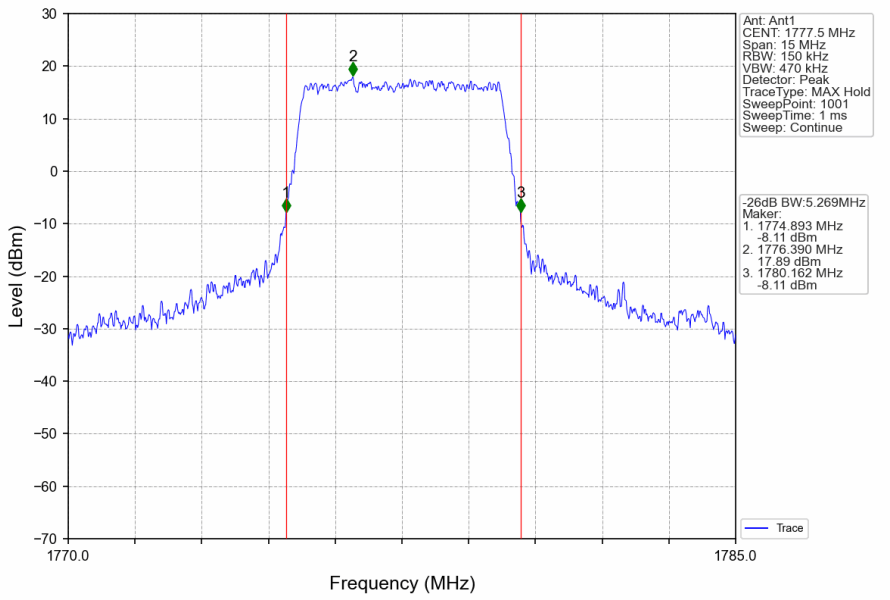
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



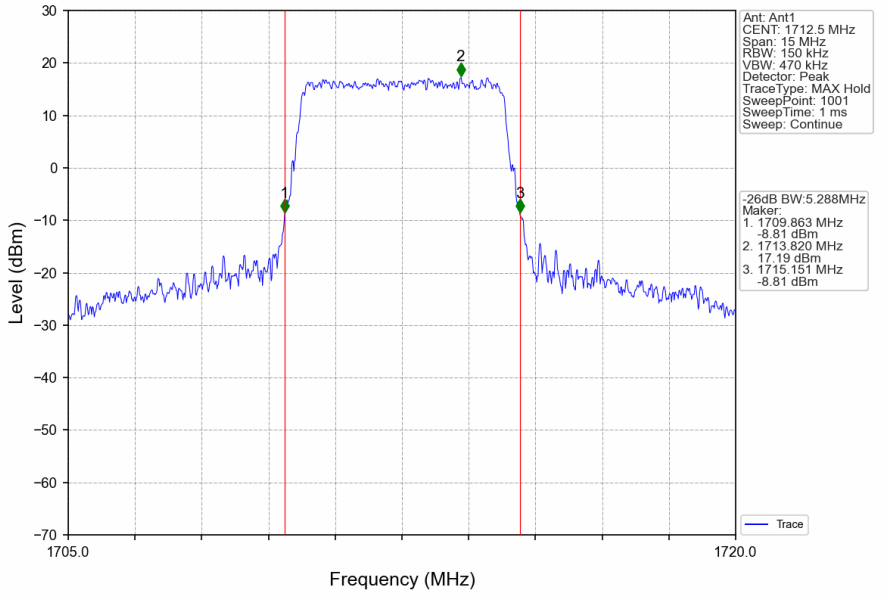
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV

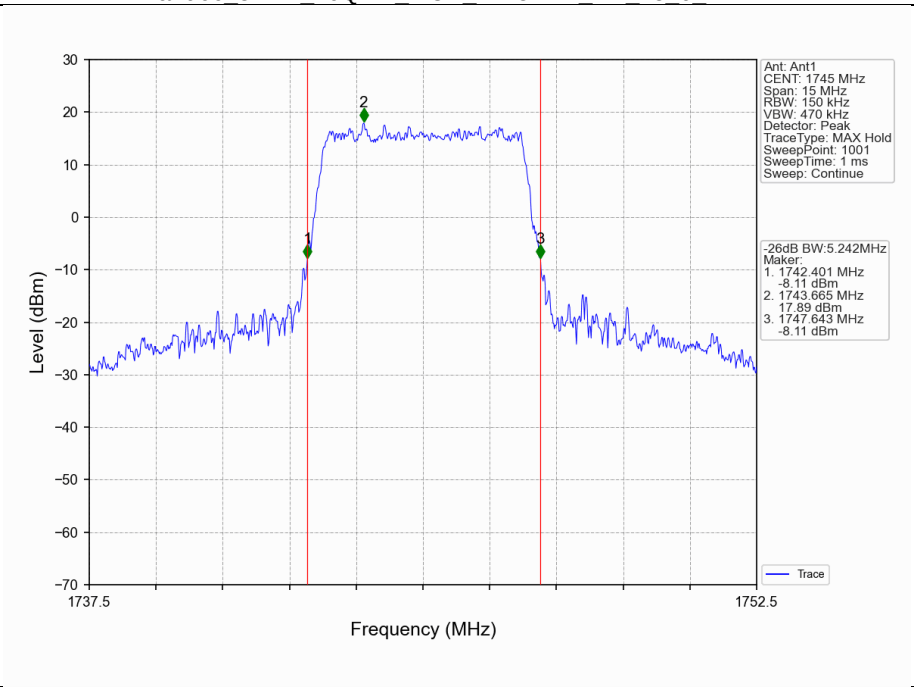


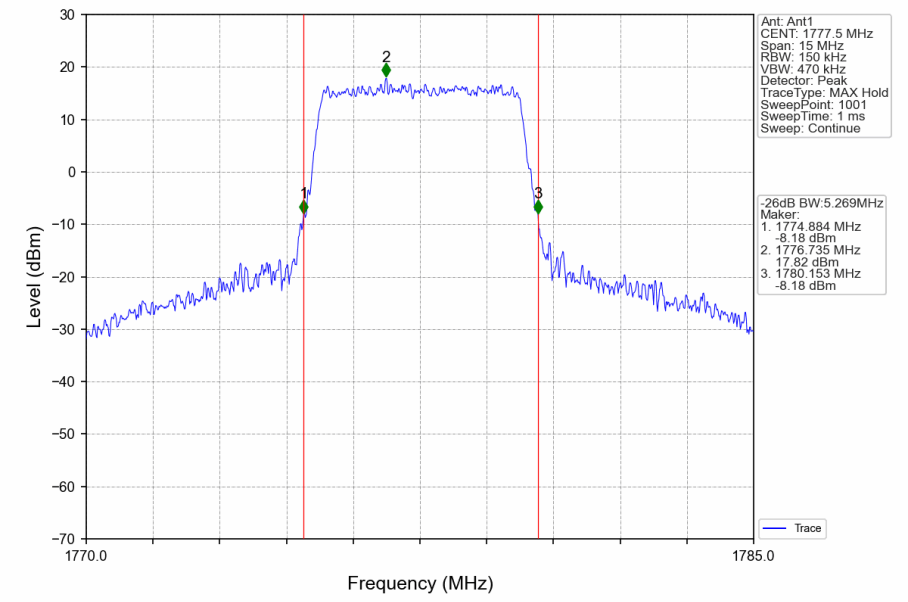
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



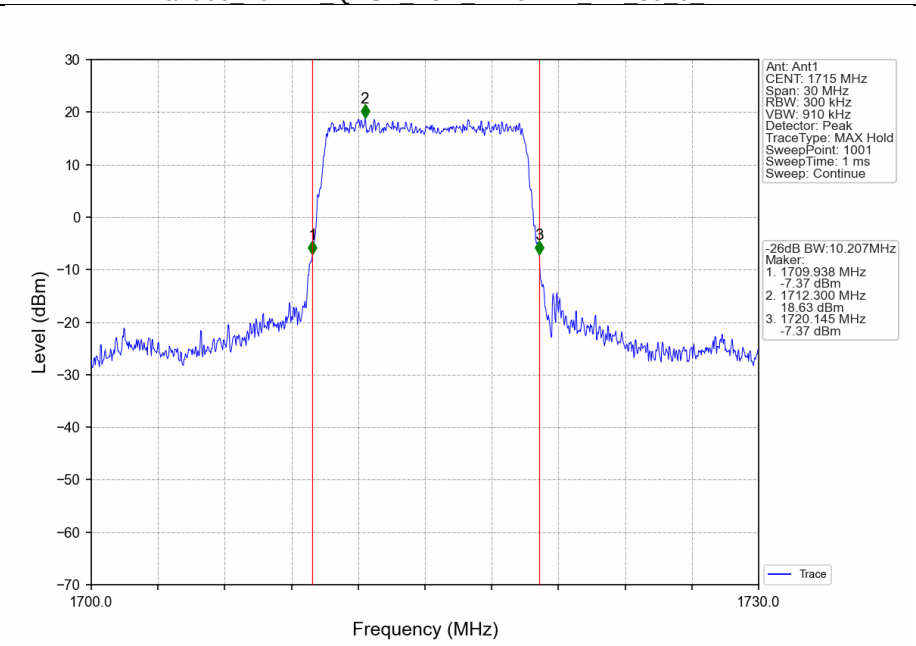
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



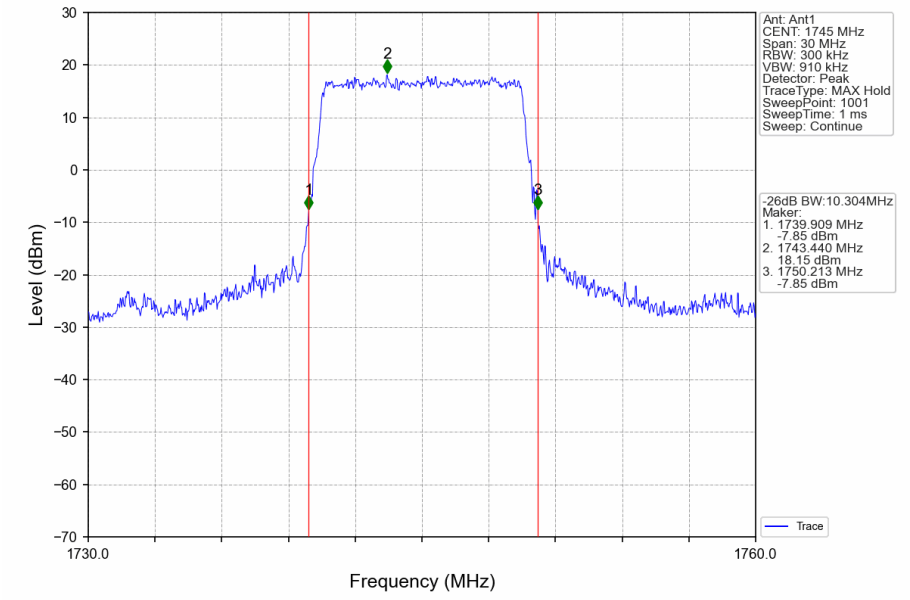
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV


Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV


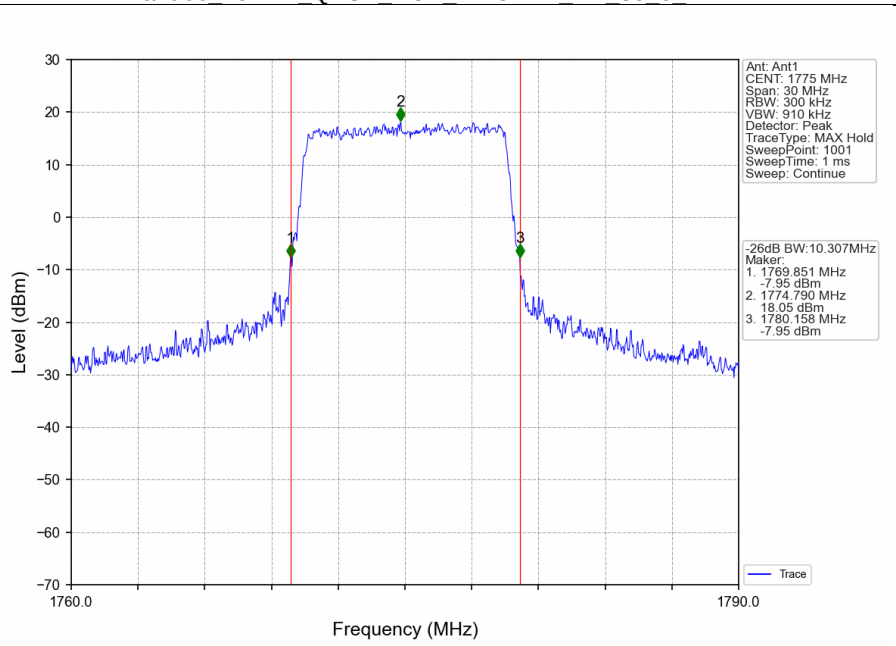
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



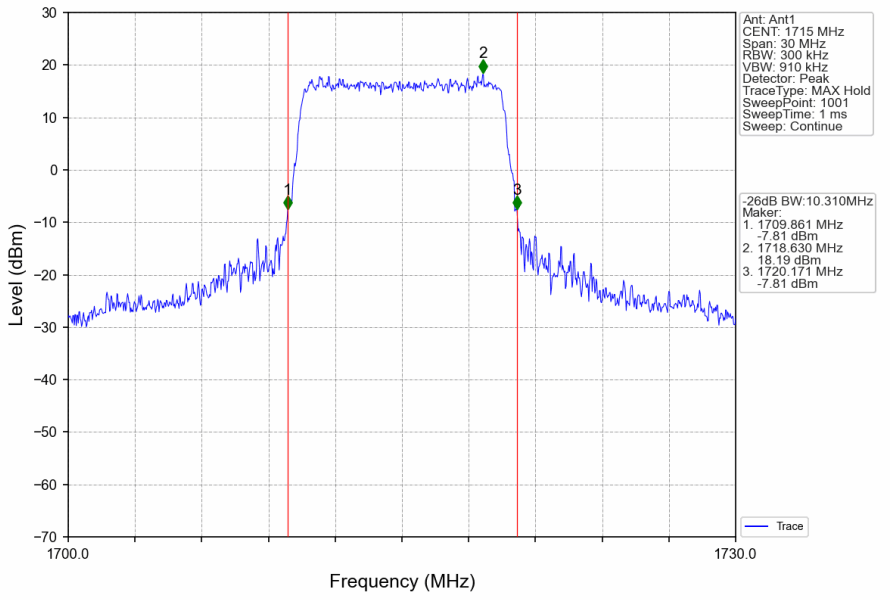
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



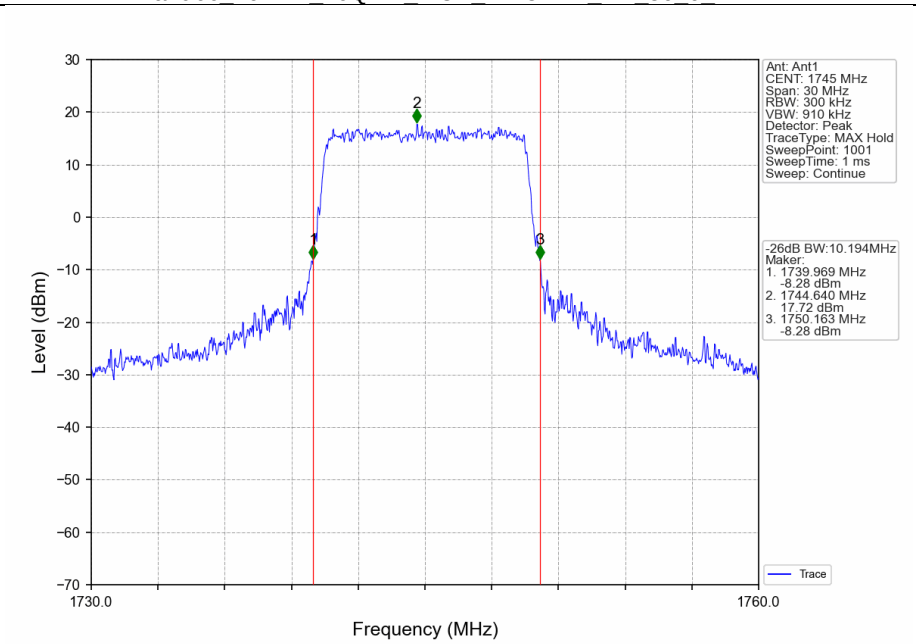
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



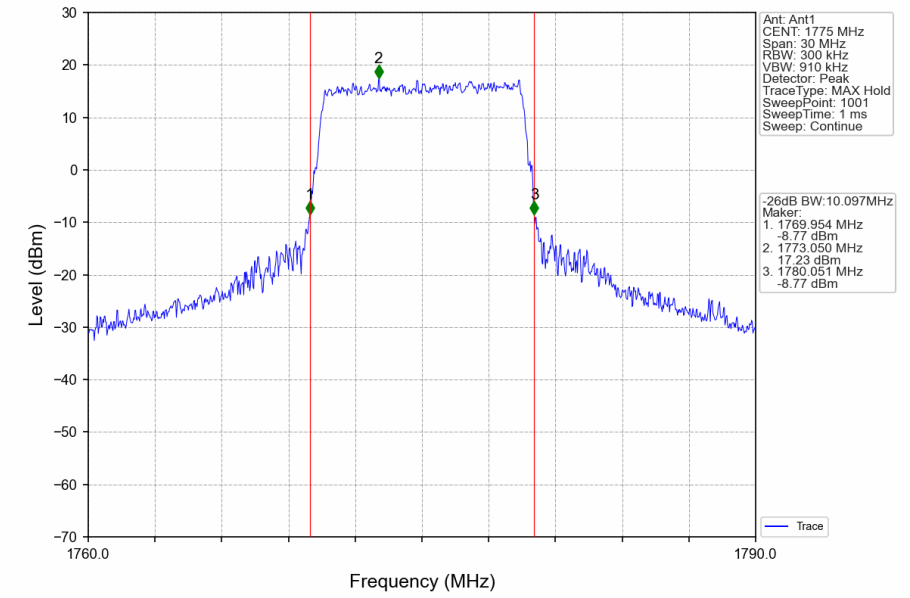
Band66_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



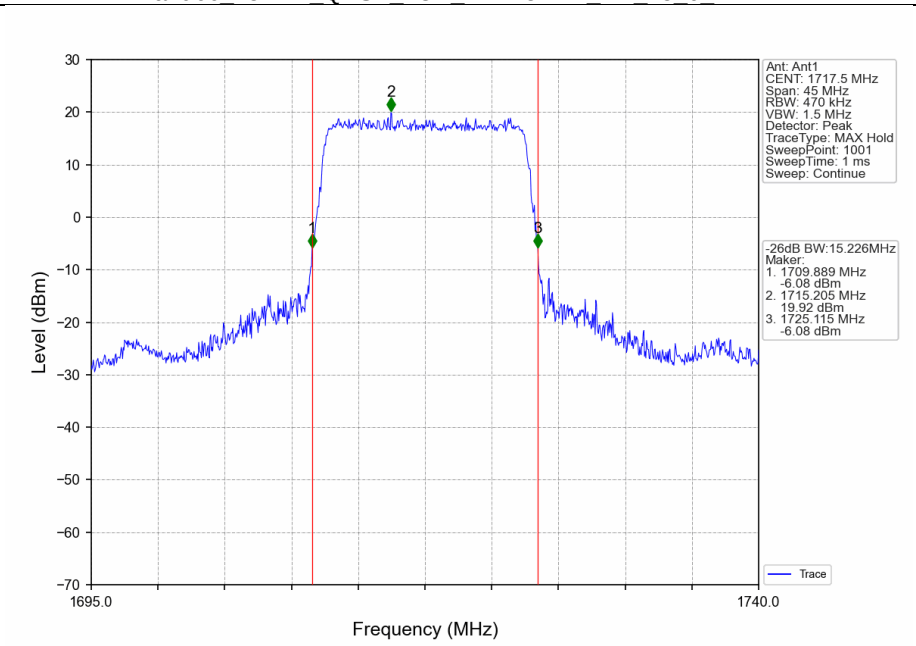
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



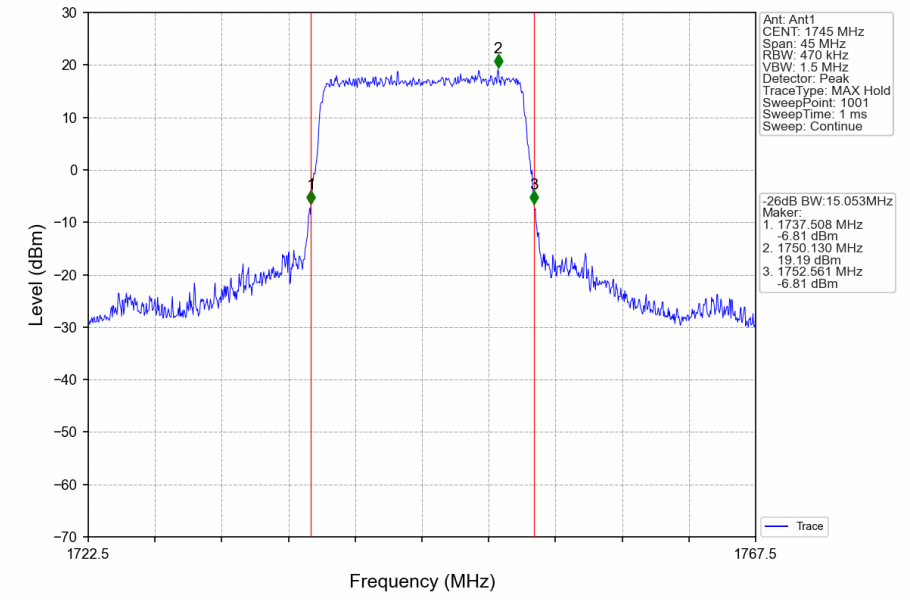
Band66_10MHz_16QAM_HCH_1775MHz_RB_50_0_NTNV



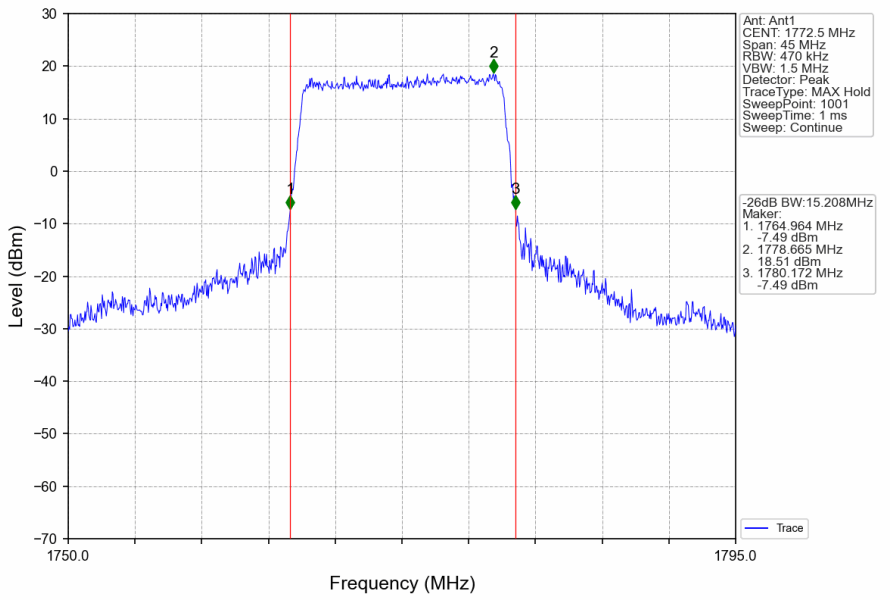
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



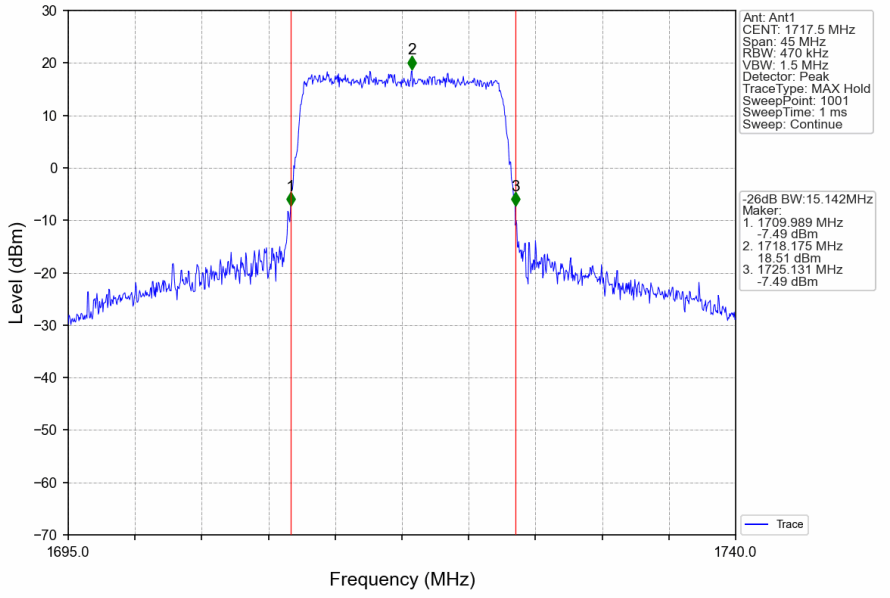
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



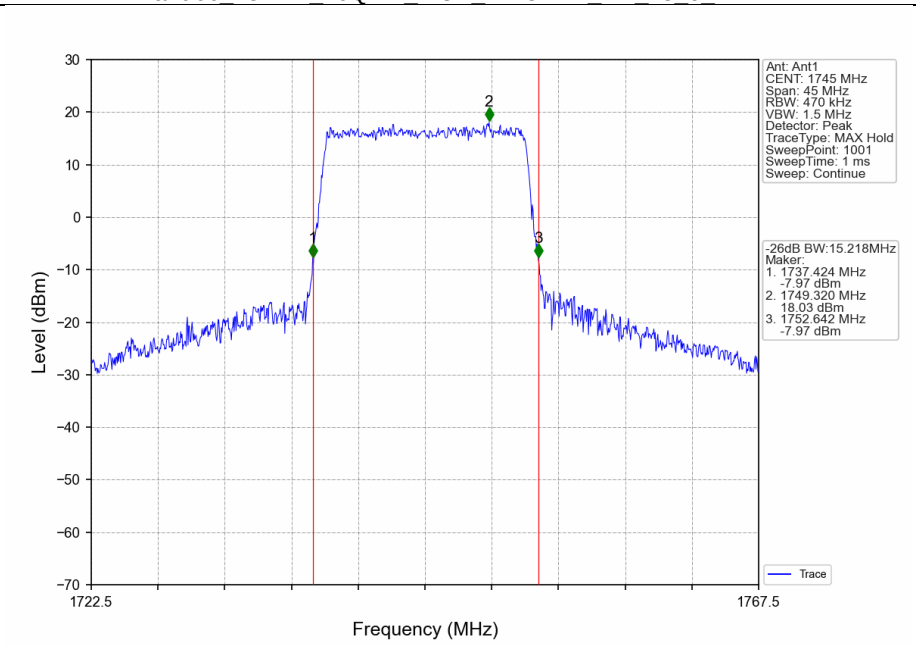
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



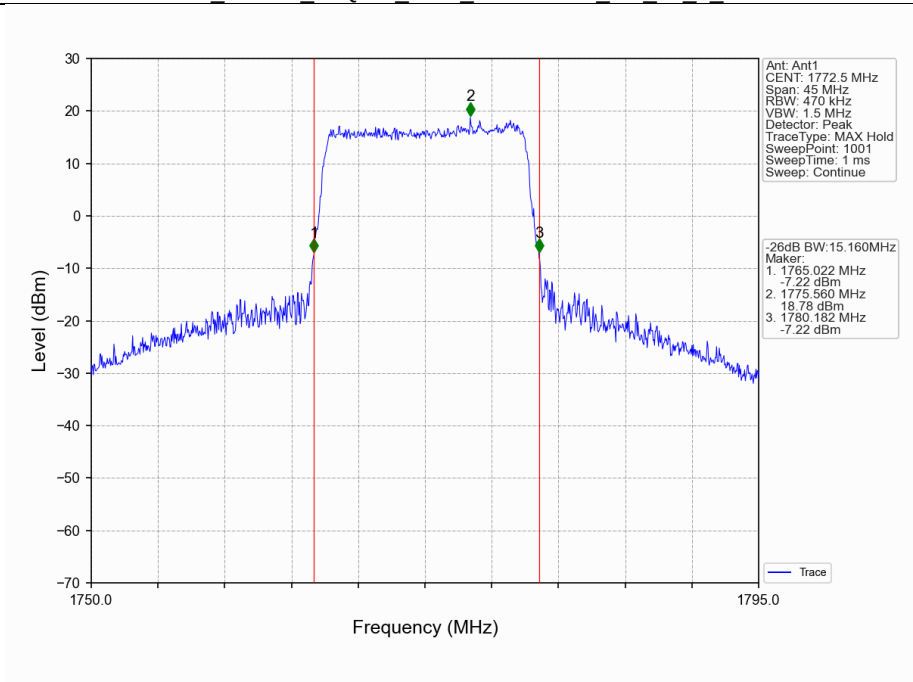
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



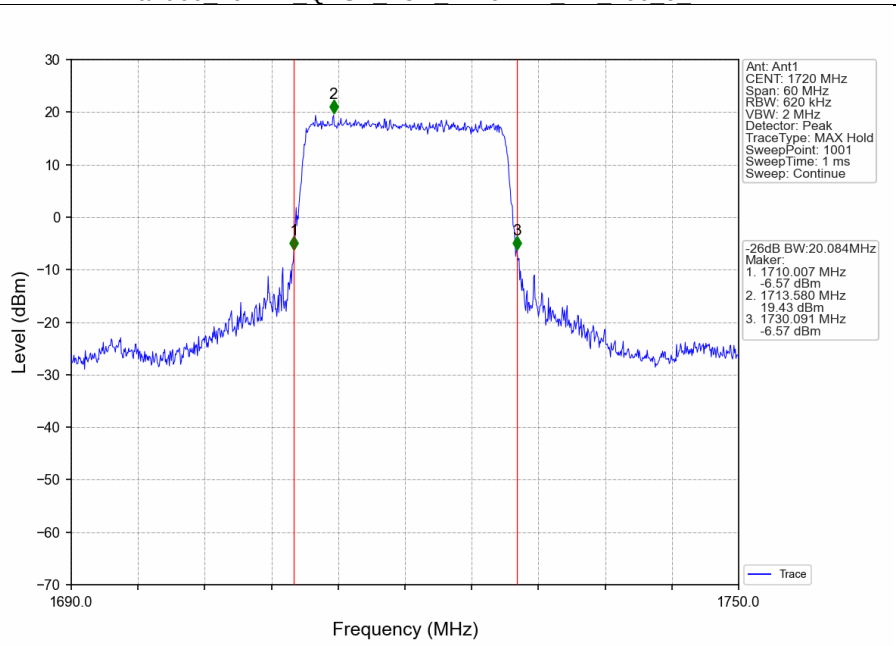
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



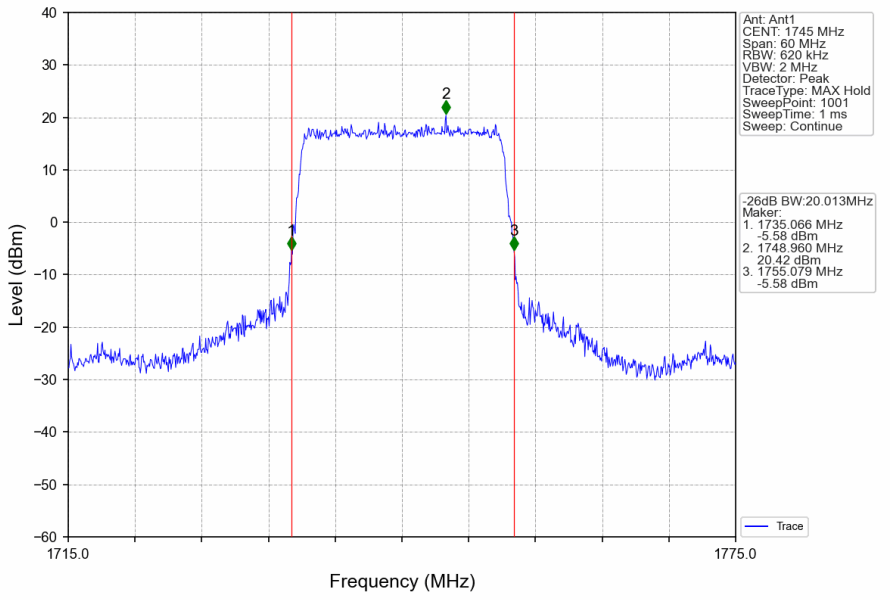
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



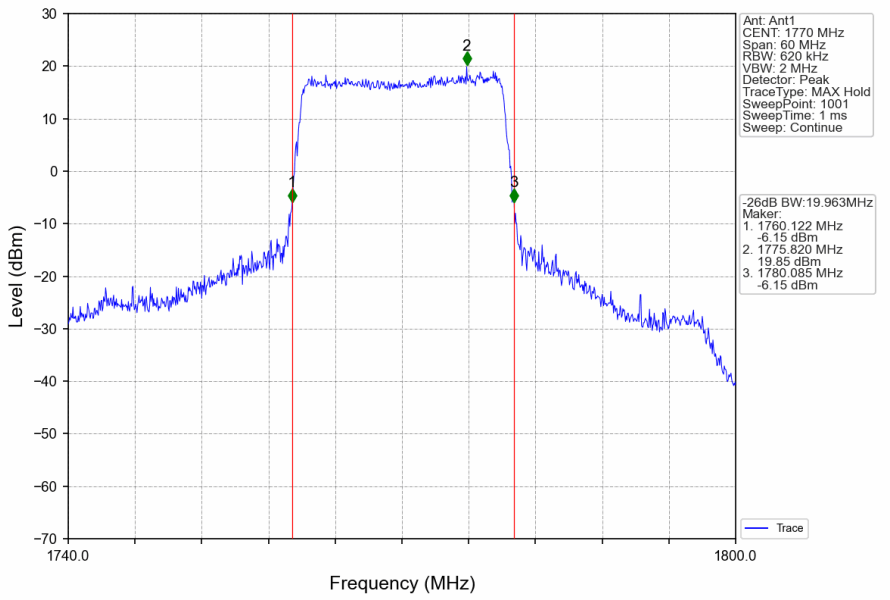
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



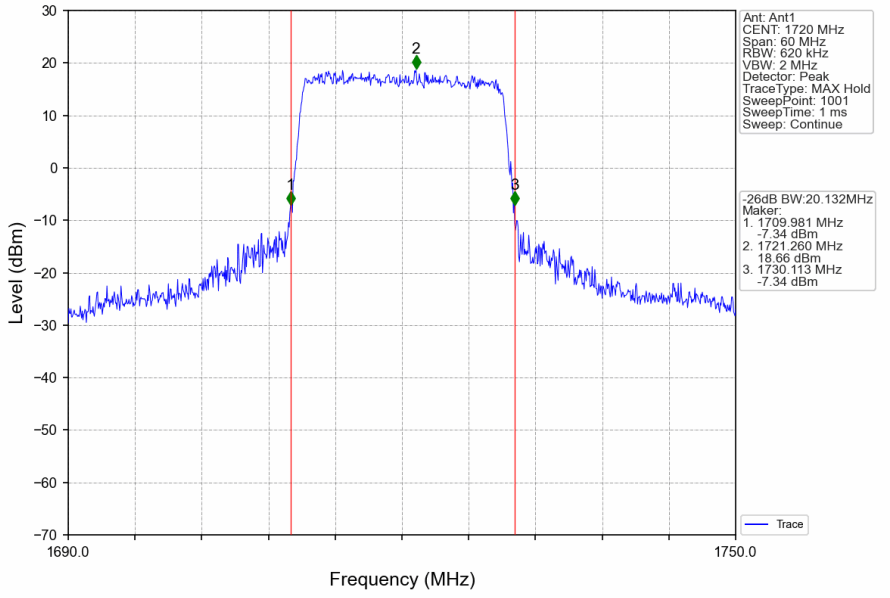
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



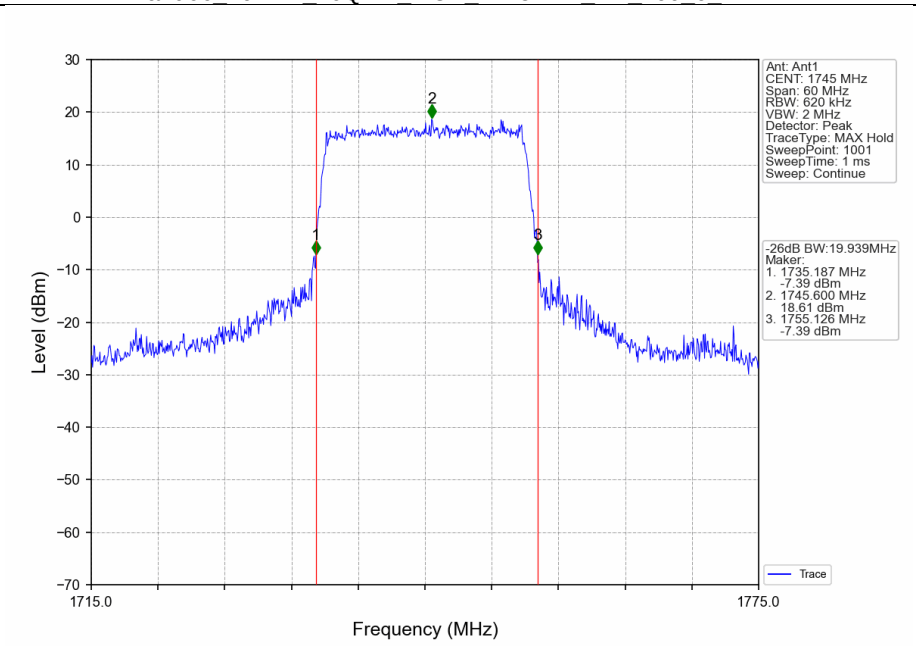
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



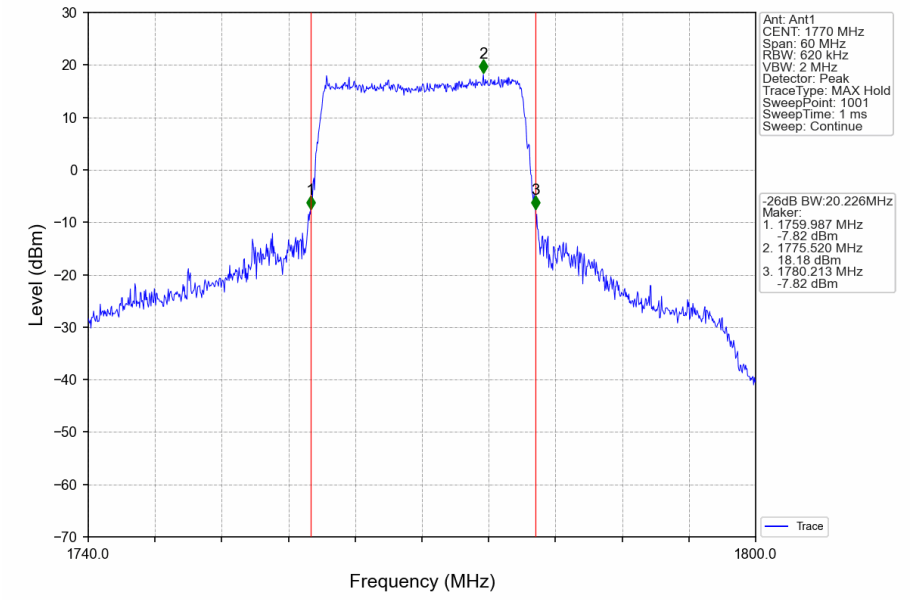
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



4. Peak-Average Ratio

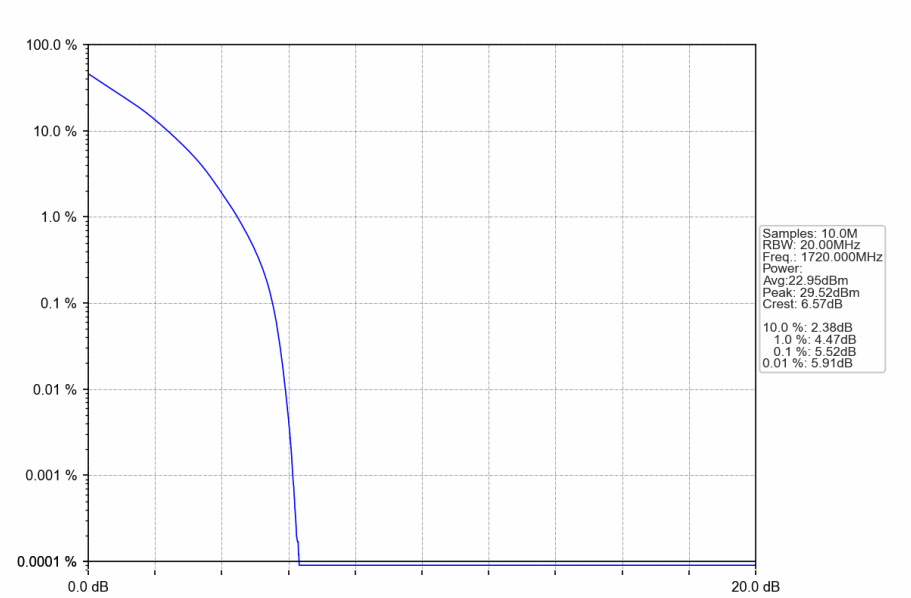
4.1 B66_20MHz

4.1.1 Test Result

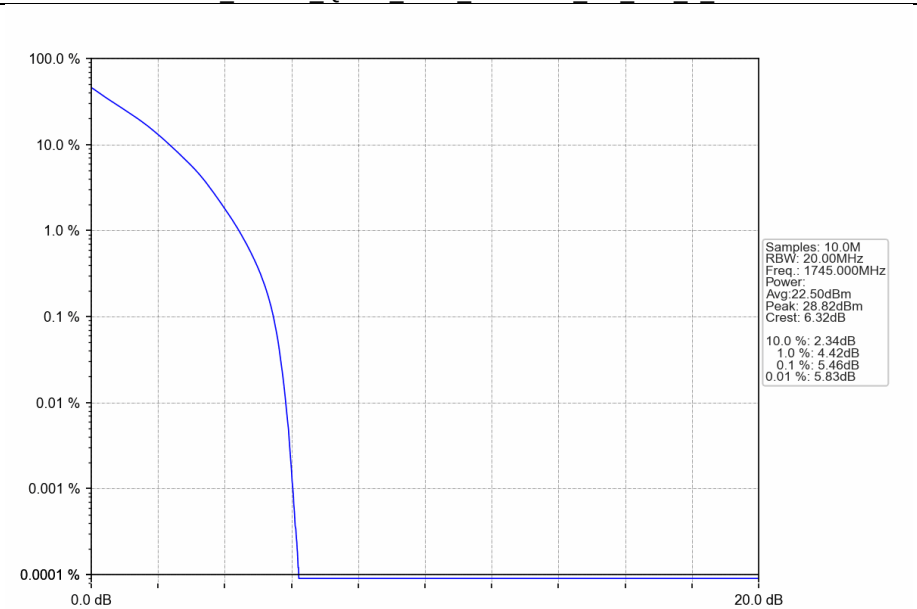
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.52	<=13	Pass
	1745	100	0	5.46	<=13	Pass
	1770	100	0	8.38	<=13	Pass
16QAM	1720	100	0	6.37	<=13	Pass
	1745	100	0	6.32	<=13	Pass
	1770	100	0	6.37	<=13	Pass

4.1.2 Test Graph

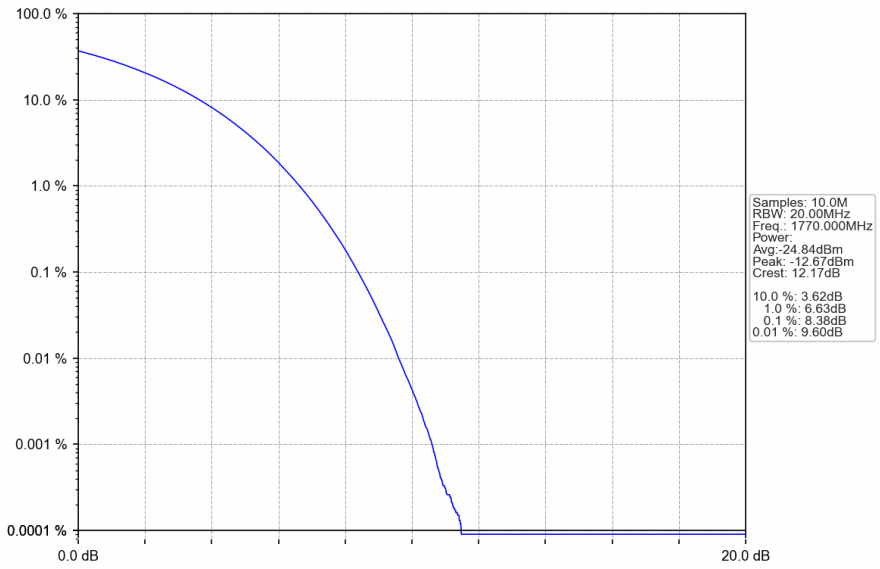
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



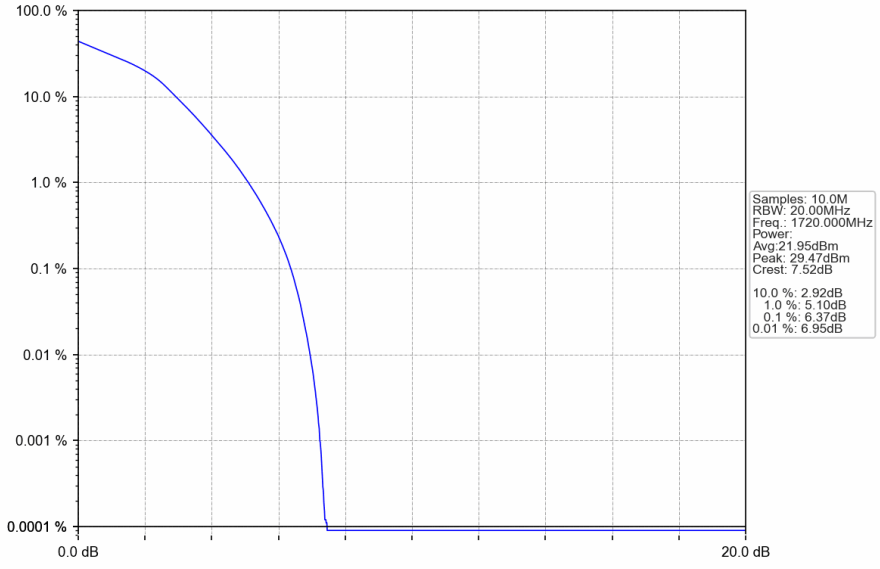
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



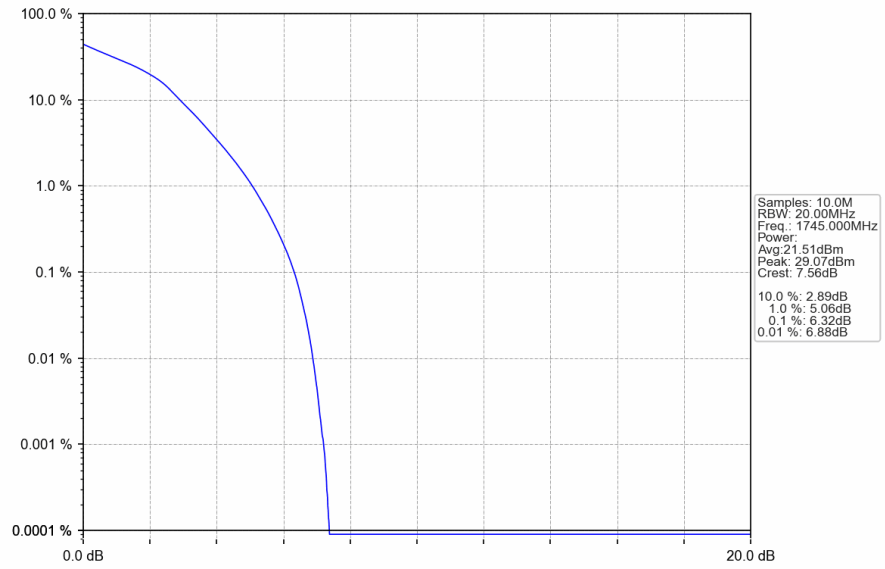
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



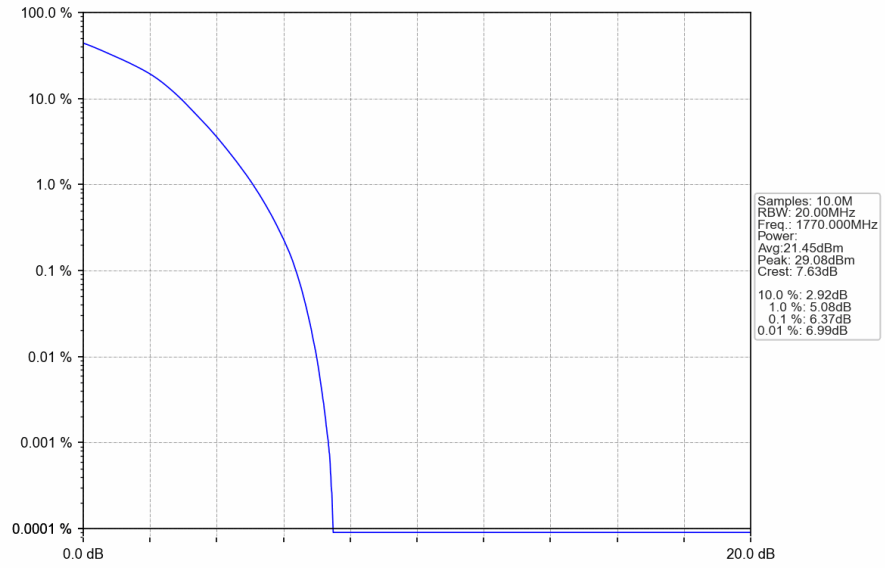
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



5. Spurious Emission

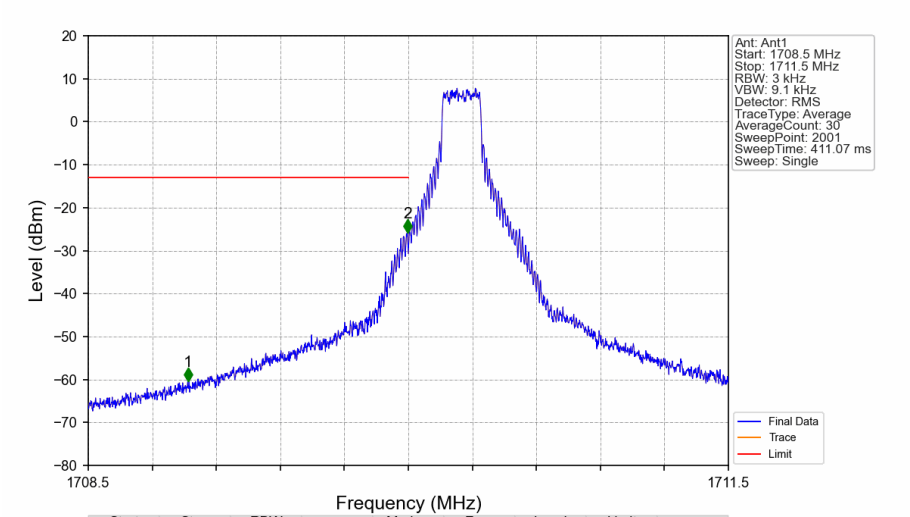
5.1 B66_1.4MHz

5.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1779.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

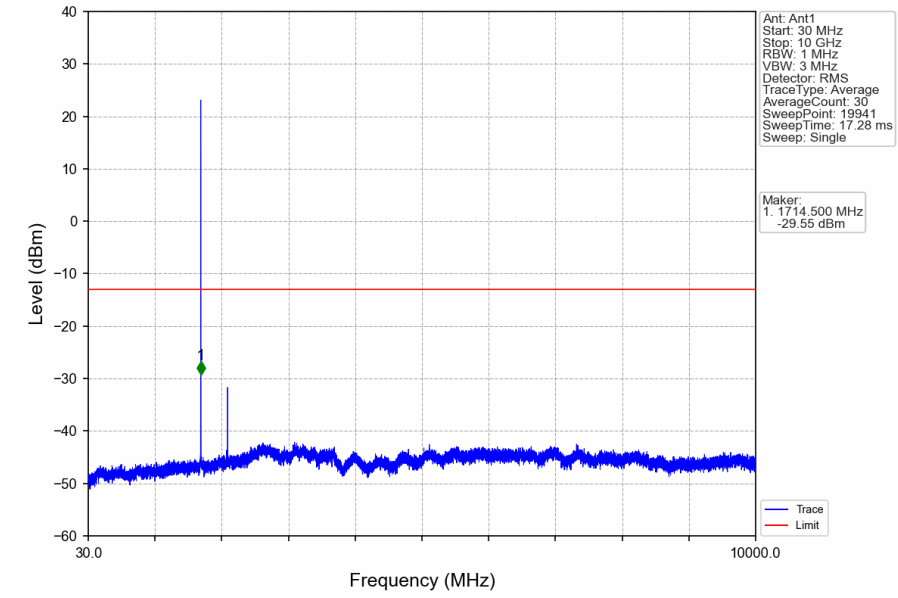
5.1.2 Test Graph

Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

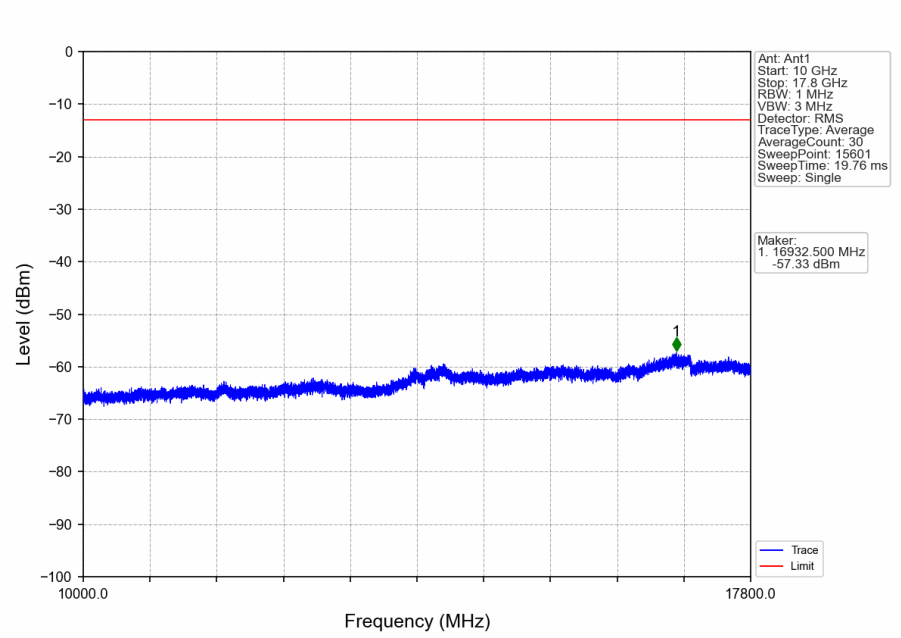


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.966	-60.35	-13	Pass
1709	1710	0.003	/	2	1709.995	-25.80	-13	Pass
1710	1711.5	0.003	/	/	/	/	/	/

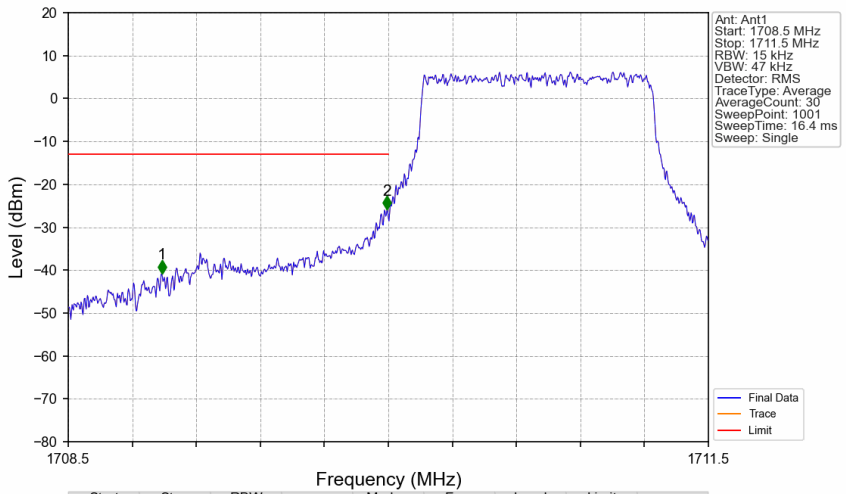
Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

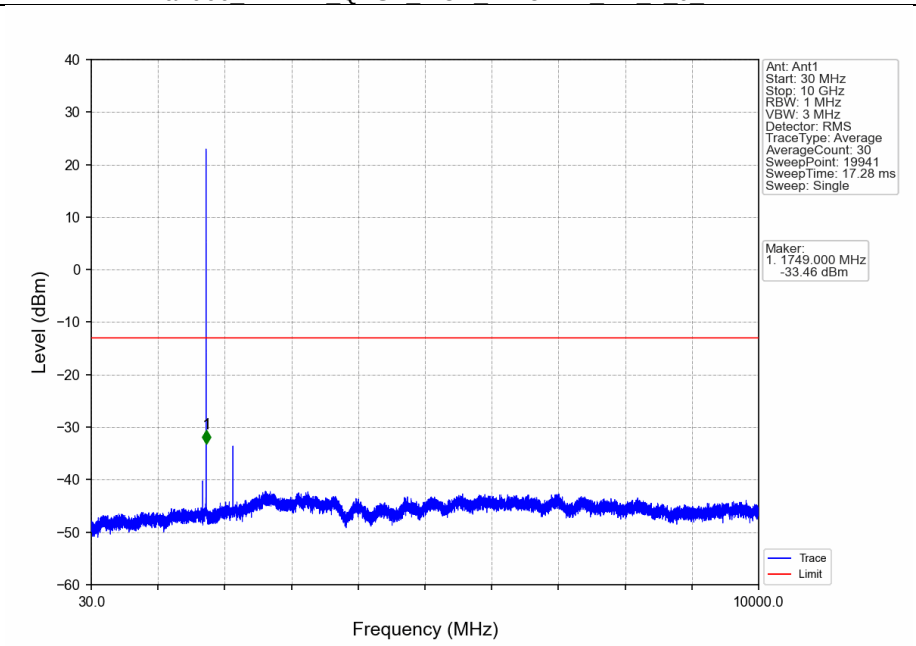


Band66_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

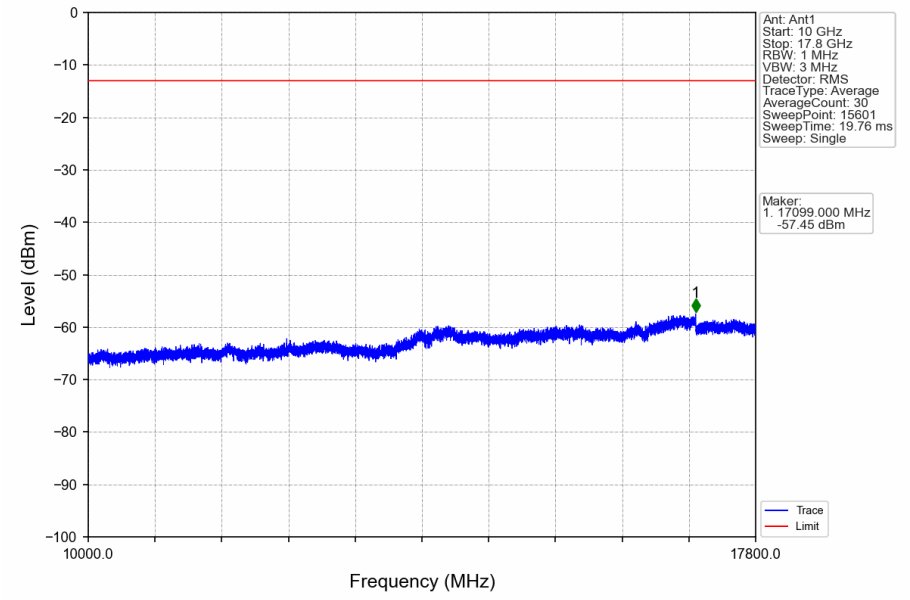


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1708.5	1709	1	/	1	1708.938	-40.75	-13	Pass
1709	1710	0.015	/	2	1709.994	-25.91	-13	Pass
1710	1711.5	0.015	/	/	/	/	/	/

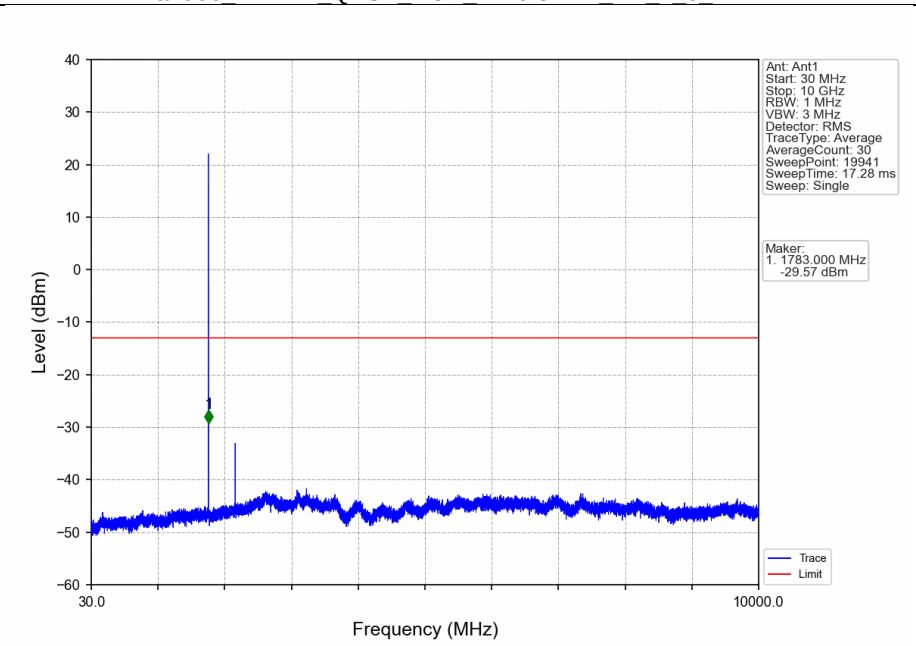
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



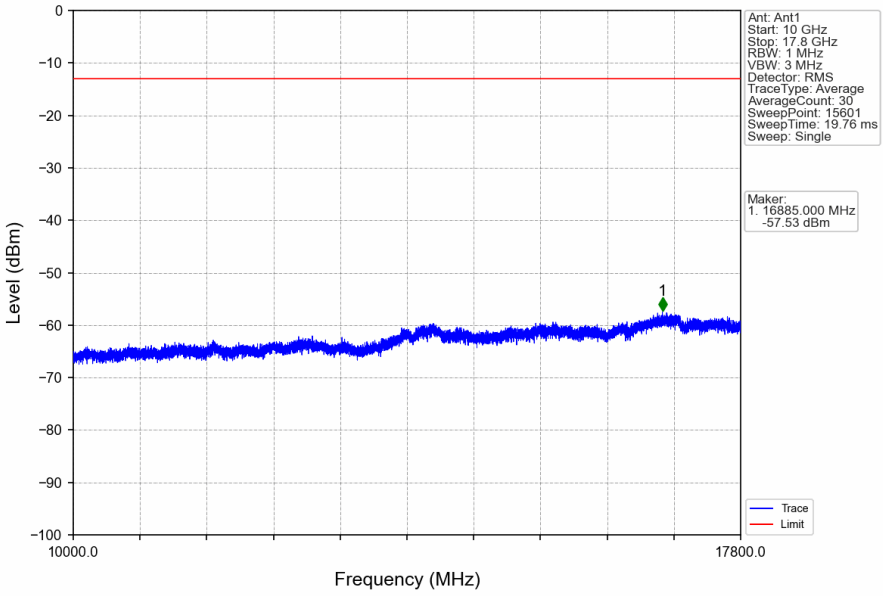
Band66_1.4MHz_QPSK_MCH_1745MHz_RB_1_0_NTNV



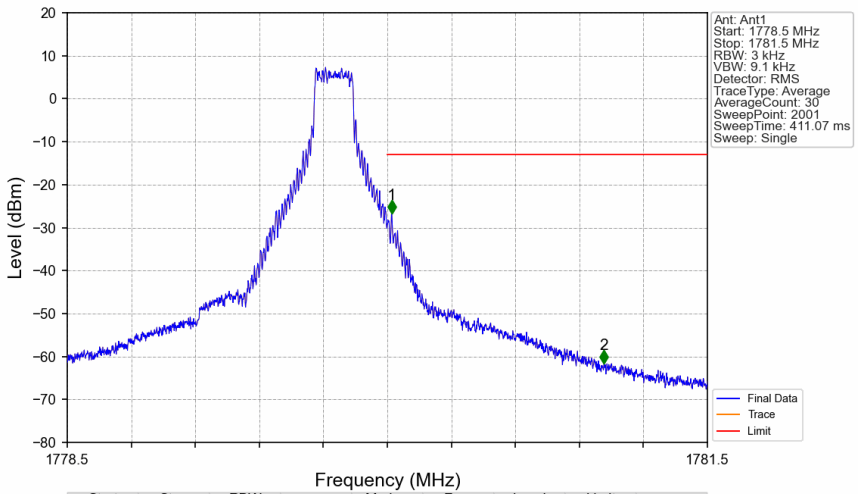
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV



Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_0_NTNV

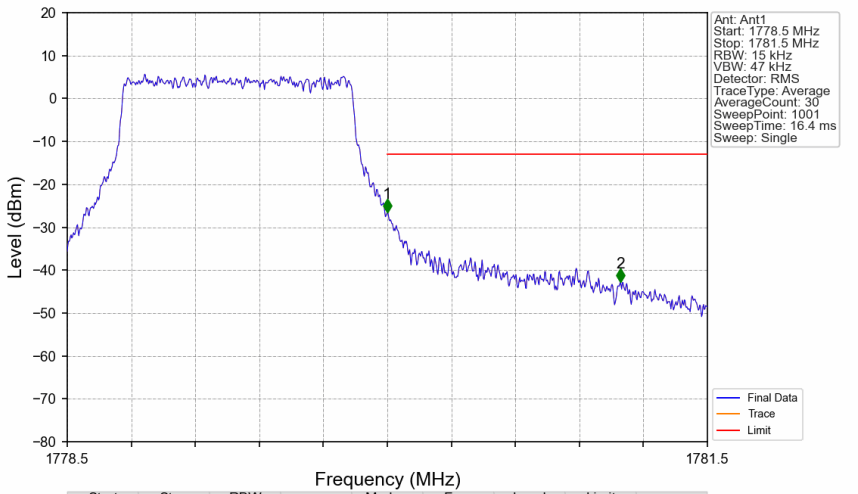


Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.003	/	/	/	/	/	/
1780	1781	0.003	/	1	1780.021	-26.81	-13	Pass
1781	1781.5	1	/	2	1781.015	-61.65	-13	Pass

Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1778.5	1780	0.015	/	/	/	/	/	/
1780	1781	0.015	/	1	1780.000	-26.64	-13	Pass
1781	1781.5	1	/	2	1781.092	-42.76	-13	Pass

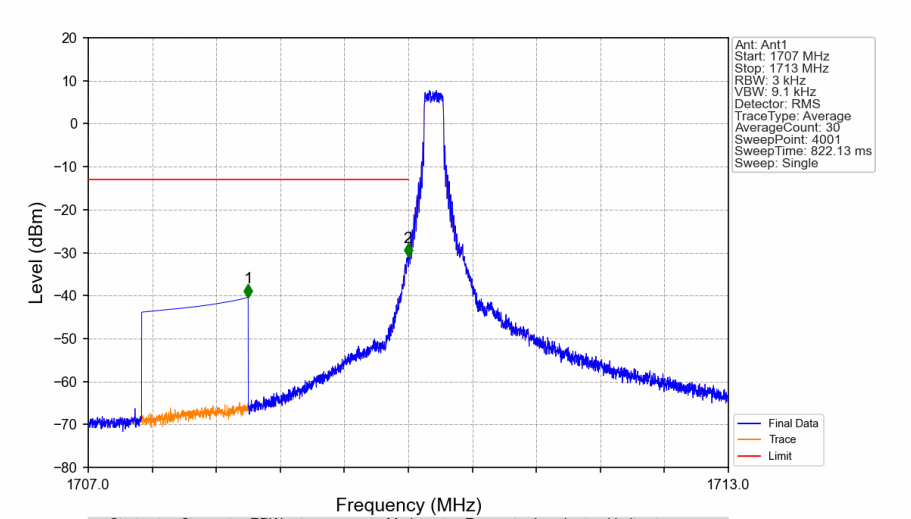
5.2 B66_3MHz

5.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
	1778.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

5.2.2 Test Graph

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-40.41	-13	Pass
1709	1710	0.003	/	2	1709.997	-31.03	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

Band66_3MHz_QPSK_LCH_1711.5MHz_RB_1_0_NTNV