1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

Band: 17 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	21.76	-0.13	19.48	<=34.77	Pass
			13	21.95	-0.13	19.67	<=34.77	Pass
			24	21.67	-0.13	19.39	<=34.77	Pass
		12	0	20.36	-0.13	18.08	<=34.77	Pass
			6	20.39	-0.13	18.11	<=34.77	Pass
			13	20.54	-0.13	18.26	<=34.77	Pass
		25	0	20.45	-0.13	18.17	<=34.77	Pass
	710	1	0	21.35	-0.13	19.07	<=34.77	Pass
			13	21.50	-0.13	19.22	<=34.77	Pass
			24	21.45	-0.13	19.17	<=34.77	Pass
		12	0	20.32	-0.13	18.04	<=34.77	Pass
			6	20.47	-0.13	18.19	<=34.77	Pass
			13	20.44	-0.13	18.16	<=34.77	Pass
		25	0	20.43	-0.13	18.15	<=34.77	Pass
	713.5	1	0	21.44	-0.13	19.16	<=34.77	Pass
			13	21.70	-0.13	19.42	<=34.77	Pass
			24	21.59	-0.13	19.31	<=34.77	Pass
		12	0	20.59	-0.13	18.31	<=34.77	Pass
			6	20.64	-0.13	18.36	<=34.77	Pass
			13	20.54	-0.13	18.26	<=34.77	Pass
		25	0	20.58	-0.13	18.30	<=34.77	Pass
16QAM	706.5	1	0	20.35	-0.13	18.07	<=34.77	Pass
			13	20.50	-0.13	18.22	<=34.77	Pass
			24	20.51	-0.13	18.23	<=34.77	Pass
		12	0	19.42	-0.13	17.14	<=34.77	Pass
			6	19.47	-0.13	17.19	<=34.77	Pass
			13	19.59	-0.13	17.31	<=34.77	Pass
		25	0	19.49	-0.13	17.21	<=34.77	Pass
	710	1	0	20.52	-0.13	18.24	<=34.77	Pass
			13	20.71	-0.13	18.43	<=34.77	Pass
			24	20.69	-0.13	18.41	<=34.77	Pass
		12	0	19.44	-0.13	17.16	<=34.77	Pass
			6	19.56	-0.13	17.28	<=34.77	Pass
			13	19.55	-0.13	17.27	<=34.77	Pass
		25	0	19.44	-0.13	17.16	<=34.77	Pass
	713.5	1	0	20.30	-0.13	18.02	<=34.77	Pass
			13	20.50	-0.13	18.22	<=34.77	Pass
			24	20.33	-0.13	18.05	<=34.77	Pass
		12	0	19.66	-0.13	17.38	<=34.77	Pass
			6	19.66	-0.13	17.38	<=34.77	Pass
			13	19.53	-0.13	17.25	<=34.77	Pass
		25	0	19.61	-0.13	17.33	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B17_10MHz_ERP

Band: 17 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	709	1	0	21.29	-0.13	19.01	<=34.77	Pass
			25	21.62	-0.13	19.34	<=34.77	Pass
			49	21.59	-0.13	19.31	<=34.77	Pass
		25	0	20.36	-0.13	18.08	<=34.77	Pass
			13	20.48	-0.13	18.20	<=34.77	Pass
			25	20.52	-0.13	18.24	<=34.77	Pass
		50	0	20.45	-0.13	18.17	<=34.77	Pass
	710	1	0	21.28	-0.13	19.00	<=34.77	Pass
			25	21.59	-0.13	19.31	<=34.77	Pass
			49	21.58	-0.13	19.30	<=34.77	Pass
		25	0	20.29	-0.13	18.01	<=34.77	Pass
			13	20.48	-0.13	18.20	<=34.77	Pass
			25	20.42	-0.13	18.14	<=34.77	Pass
		50	0	20.35	-0.13	18.07	<=34.77	Pass
	711	1	0	21.34	-0.13	19.06	<=34.77	Pass
			25	21.64	-0.13	19.36	<=34.77	Pass
			49	21.67	-0.13	19.39	<=34.77	Pass
		25	0	20.38	-0.13	18.10	<=34.77	Pass
			13	20.55	-0.13	18.27	<=34.77	Pass
			25	20.45	-0.13	18.17	<=34.77	Pass
		50	0	20.40	-0.13	18.12	<=34.77	Pass
16QAM	709	1	0	20.28	-0.13	18.00	<=34.77	Pass
			25	20.56	-0.13	18.28	<=34.77	Pass
			49	20.52	-0.13	18.24	<=34.77	Pass
		25	0	19.48	-0.13	17.20	<=34.77	Pass
			13	19.57	-0.13	17.29	<=34.77	Pass
			25	19.60	-0.13	17.32	<=34.77	Pass
		50	0	19.50	-0.13	17.22	<=34.77	Pass
	710	1	0	20.39	-0.13	18.11	<=34.77	Pass
			25	20.71	-0.13	18.43	<=34.77	Pass
			49	20.71	-0.13	18.43	<=34.77	Pass
		25	0	19.33	-0.13	17.05	<=34.77	Pass
			13	19.52	-0.13	17.24	<=34.77	Pass
			25	19.44	-0.13	17.16	<=34.77	Pass
		50	0	19.43	-0.13	17.15	<=34.77	Pass
	711	1	0	20.87	-0.13	18.59	<=34.77	Pass
			25	21.14	-0.13	18.86	<=34.77	Pass
			49	20.98	-0.13	18.70	<=34.77	Pass
		25	0	19.46	-0.13	17.18	<=34.77	Pass
			13	19.62	-0.13	17.34	<=34.77	Pass
			25	19.53	-0.13	17.25	<=34.77	Pass
		50	0	19.47	-0.13	17.19	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 Test Result

2.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz

Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	706.5	25	0	20	3.27	-8.054	-0.0114	-2.5 to 2.5	Pass
					3.85	-4.578	-0.0065	-2.5 to 2.5	Pass
					4.43	-9.656	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-7.825	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-5.779	-0.0082	-2.5 to 2.5	Pass
				-10	3.85	-4.964	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-3.791	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-8.354	-0.0118	-2.5 to 2.5	Pass
				30	3.85	-7.081	-0.0100	-2.5 to 2.5	Pass
				40	3.85	-4.191	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-6.409	-0.0091	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-10.171	-0.0143	-2.5 to 2.5	Pass
					3.85	-5.078	-0.0072	-2.5 to 2.5	Pass
					4.43	-5.493	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-7.010	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-4.478	-0.0063	-2.5 to 2.5	Pass
				0	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-6.266	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-8.798	-0.0124	-2.5 to 2.5	Pass
				50	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-1.631	-0.0023	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0034	-2.5 to 2.5	Pass
					4.43	-6.895	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-8.469	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-4.892	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-6.208	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-4.835	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-4.835	-0.0068	-2.5 to 2.5	Pass
				40	3.85	-7.010	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-9.427	-0.0132	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-8.483	-0.0120	-2.5 to 2.5	Pass
					3.85	-4.878	-0.0069	-2.5 to 2.5	Pass
					4.43	-6.595	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-5.207	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-6.952	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-8.011	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-6.924	-0.0098	-2.5 to 2.5	Pass
				30	3.85	-7.725	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-9.427	-0.0133	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-2.460	-0.0035	-2.5 to 2.5	Pass
					3.85	-6.738	-0.0095	-2.5 to 2.5	Pass
					4.43	-2.418	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-5.693	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-6.480	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-3.119	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-8.798	-0.0124	-2.5 to 2.5	Pass
				10	3.85	-7.067	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-2.375	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-4.134	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-10.400	-0.0146	-2.5 to 2.5	Pass

	713.5	25	0	20	3.27	-3.262	-0.0046	-2.5 to 2.5	Pass
					3.85	-5.093	-0.0071	-2.5 to 2.5	Pass
					4.43	-6.752	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-7.539	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-4.492	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-5.021	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-10.157	-0.0142	-2.5 to 2.5	Pass
				10	3.85	-7.896	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-2.003	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.593	-0.0078	-2.5 to 2.5	Pass
				50	3.85	-7.739	-0.0108	-2.5 to 2.5	Pass

2.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	709	50	0	20	3.27	-4.992	-0.0070	-2.5 to 2.5	Pass
					3.85	-5.035	-0.0071	-2.5 to 2.5	Pass
					4.43	-4.749	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-4.263	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-4.878	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-2.747	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
				10	3.85	-7.339	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-6.094	-0.0086	-2.5 to 2.5	Pass
				40	3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-10.600	-0.0150	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-4.992	-0.0070	-2.5 to 2.5	Pass
					3.85	-4.978	-0.0070	-2.5 to 2.5	Pass
					4.43	-5.779	-0.0081	-2.5 to 2.5	Pass
				-30	3.85	-5.093	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-6.795	-0.0096	-2.5 to 2.5	Pass
				0	3.85	-8.955	-0.0126	-2.5 to 2.5	Pass
				10	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-5.279	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-7.353	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-5.207	-0.0073	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.965	-0.0084	-2.5 to 2.5	Pass
					3.85	-3.977	-0.0056	-2.5 to 2.5	Pass
					4.43	-5.293	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-7.510	-0.0106	-2.5 to 2.5	Pass
				-20	3.85	-3.276	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-5.050	-0.0071	-2.5 to 2.5	Pass
				0	3.85	-4.520	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-6.781	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-4.077	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-4.106	-0.0058	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-6.151	-0.0087	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
					4.43	-6.781	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-5.136	-0.0072	-2.5 to 2.5	Pass

				-10	3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-5.951	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-7.367	-0.0104	-2.5 to 2.5	Pass
				30	3.85	-5.221	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-7.424	-0.0105	-2.5 to 2.5	Pass
				50	3.85	-5.651	-0.0080	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-2.875	-0.0040	-2.5 to 2.5	Pass
					3.85	-5.164	-0.0073	-2.5 to 2.5	Pass
					4.43	-5.665	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-6.595	-0.0093	-2.5 to 2.5	Pass
				-20	3.85	-7.067	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-5.965	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-3.505	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-3.562	-0.0050	-2.5 to 2.5	Pass
				30	3.85	-4.649	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-7.153	-0.0101	-2.5 to 2.5	Pass
				50	3.85	-6.166	-0.0087	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-6.380	-0.0090	-2.5 to 2.5	Pass
					3.85	-5.894	-0.0083	-2.5 to 2.5	Pass
					4.43	-6.065	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-5.980	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-6.552	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-10.571	-0.0149	-2.5 to 2.5	Pass
				0	3.85	-6.566	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-7.124	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-4.249	-0.0060	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

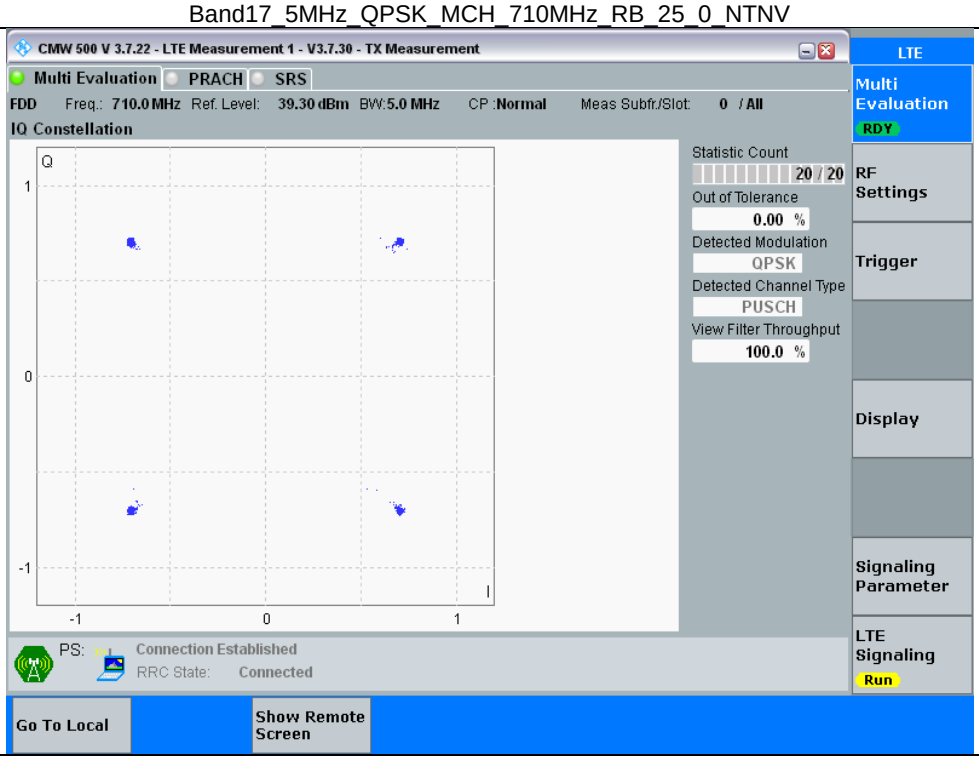
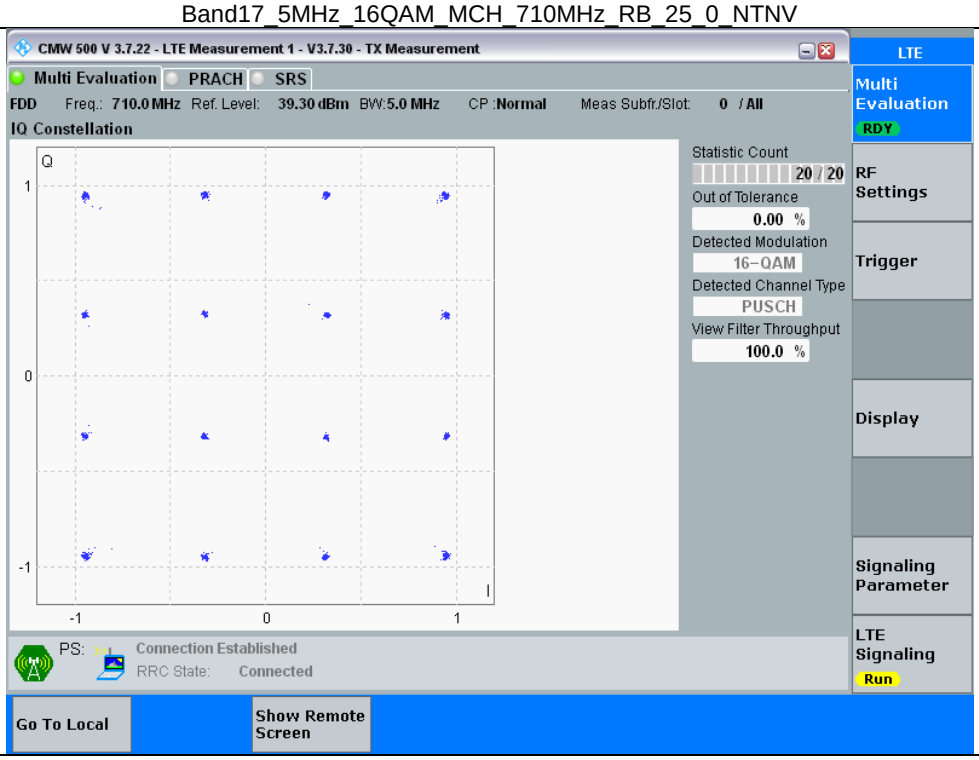
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

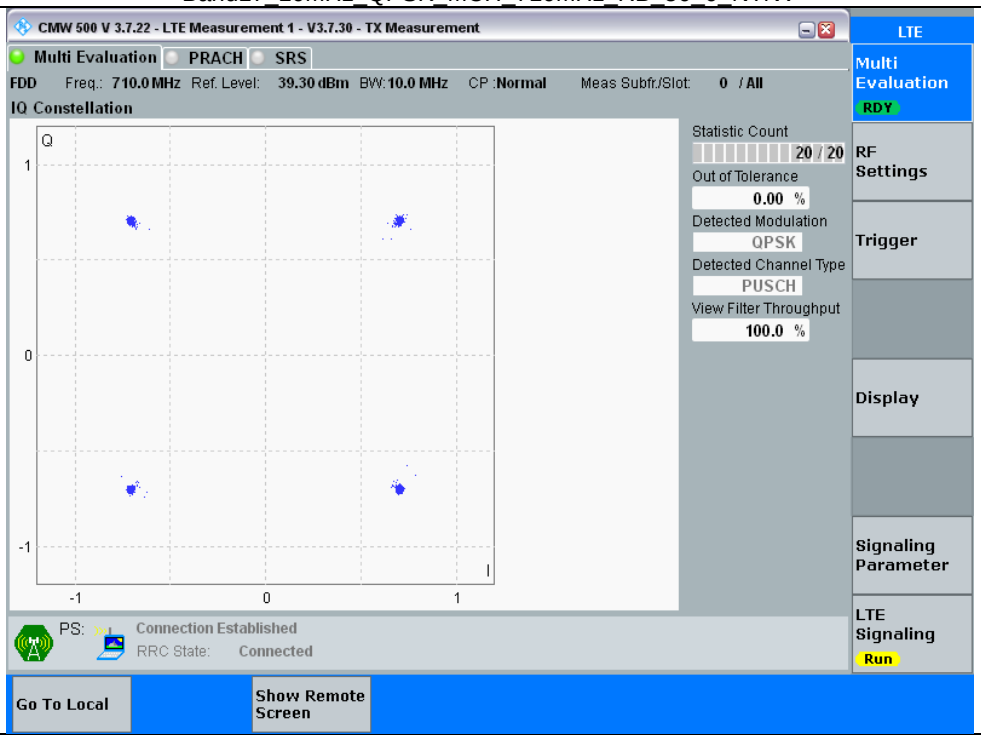
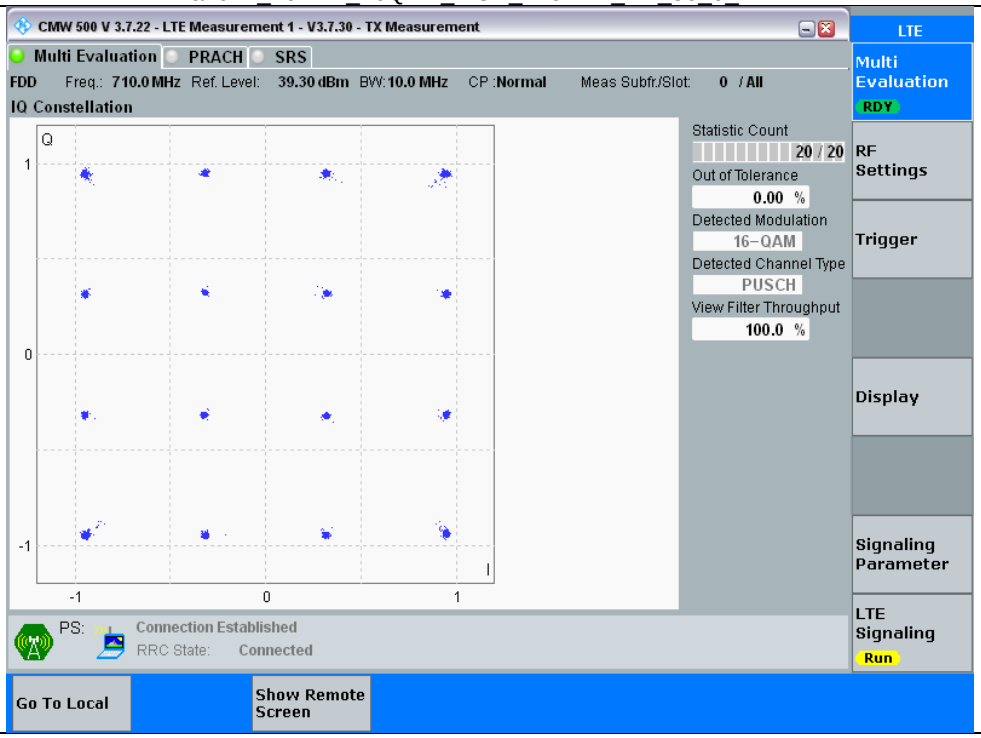
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B17_5MHz

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV

Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV


3.2.2 B17_10MHz

Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV

Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band17_OBW

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.580	/	Pass
		710	25	0	4.559	/	Pass
		713.5	25	0	4.586	/	Pass
	16QAM	706.5	25	0	4.579	/	Pass
		710	25	0	4.585	/	Pass
		713.5	25	0	4.574	/	Pass
10	QPSK	709	50	0	9.100	/	Pass
		710	50	0	9.040	/	Pass
		711	50	0	9.050	/	Pass
	16QAM	709	50	0	9.060	/	Pass
		710	50	0	9.042	/	Pass
		711	50	0	9.039	/	Pass

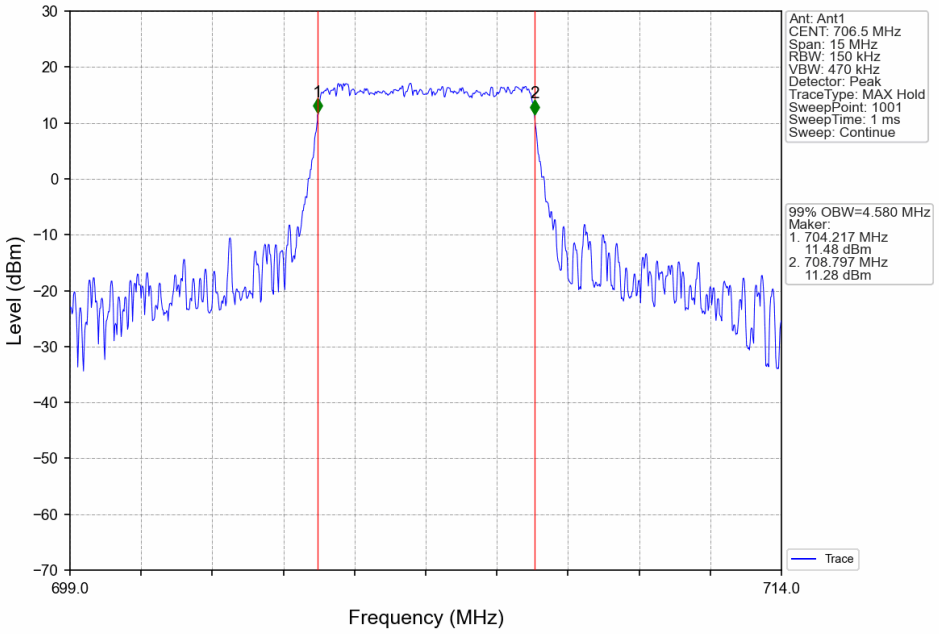
4.1.2 Band17_XDB

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	6.254	/	Pass
		710	25	0	5.268	/	Pass
		713.5	25	0	5.472	/	Pass
	16QAM	706.5	25	0	5.329	/	Pass
		710	25	0	5.221	/	Pass
		713.5	25	0	5.321	/	Pass
10	QPSK	709	50	0	10.320	/	Pass
		710	50	0	10.174	/	Pass
		711	50	0	10.292	/	Pass
	16QAM	709	50	0	10.196	/	Pass
		710	50	0	10.112	/	Pass
		711	50	0	10.153	/	Pass

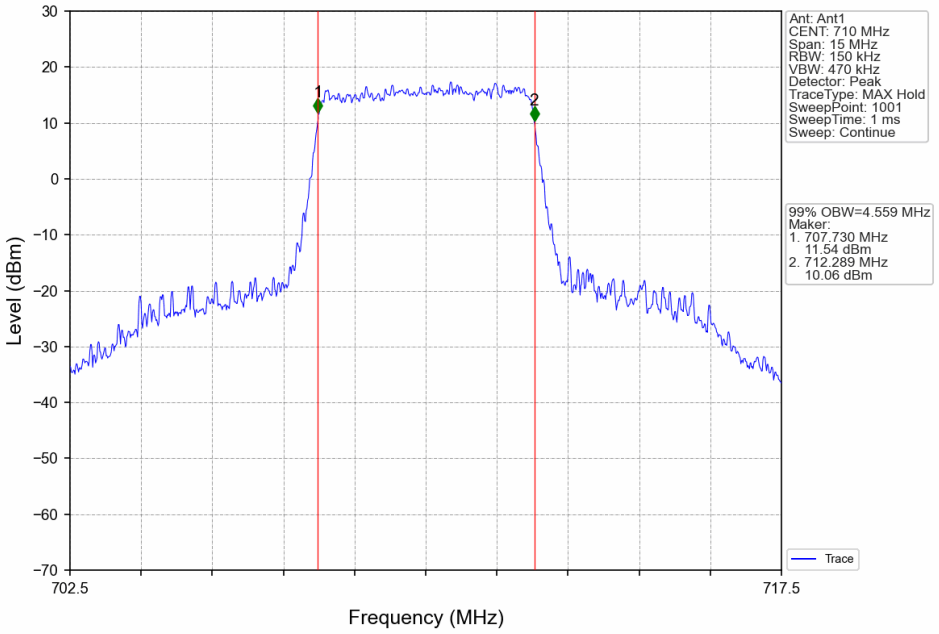
4.2 Test Graph

4.2.1 Band17_OBW

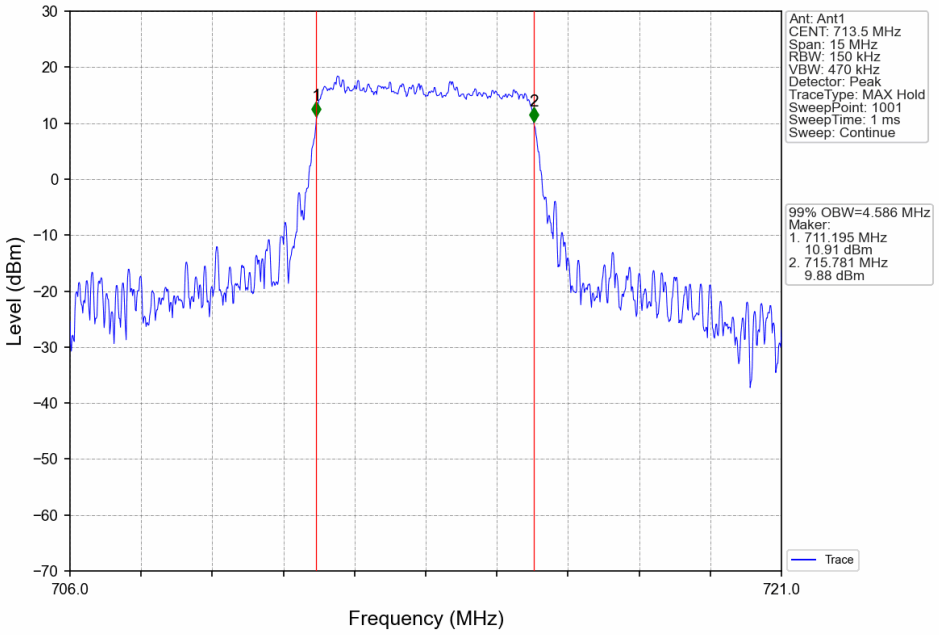
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



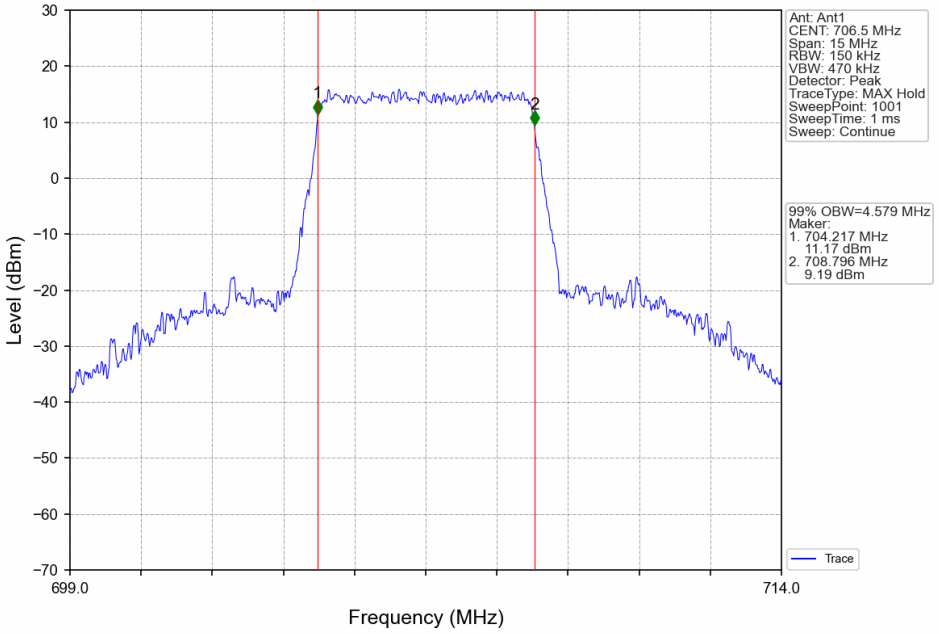
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



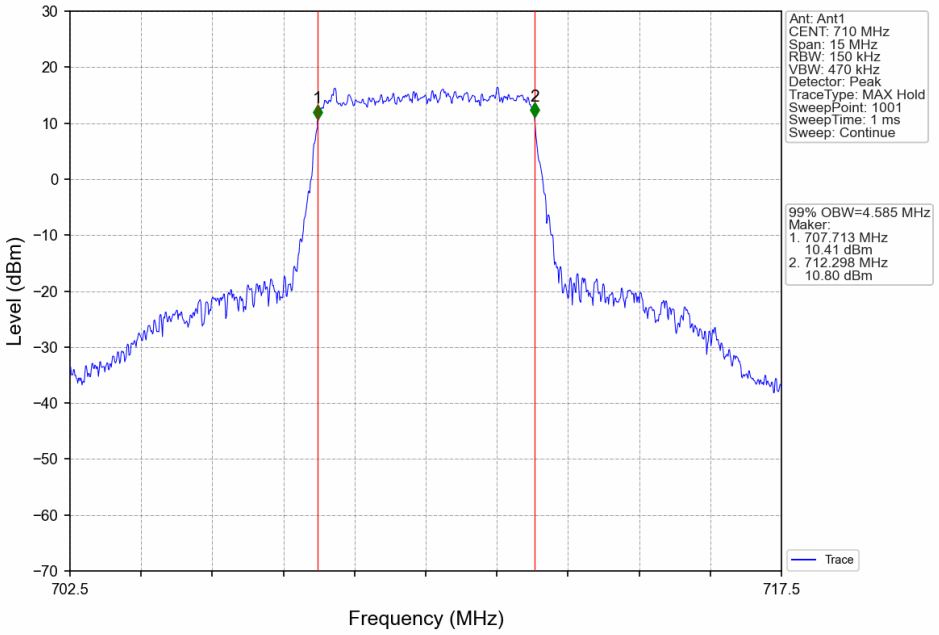
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



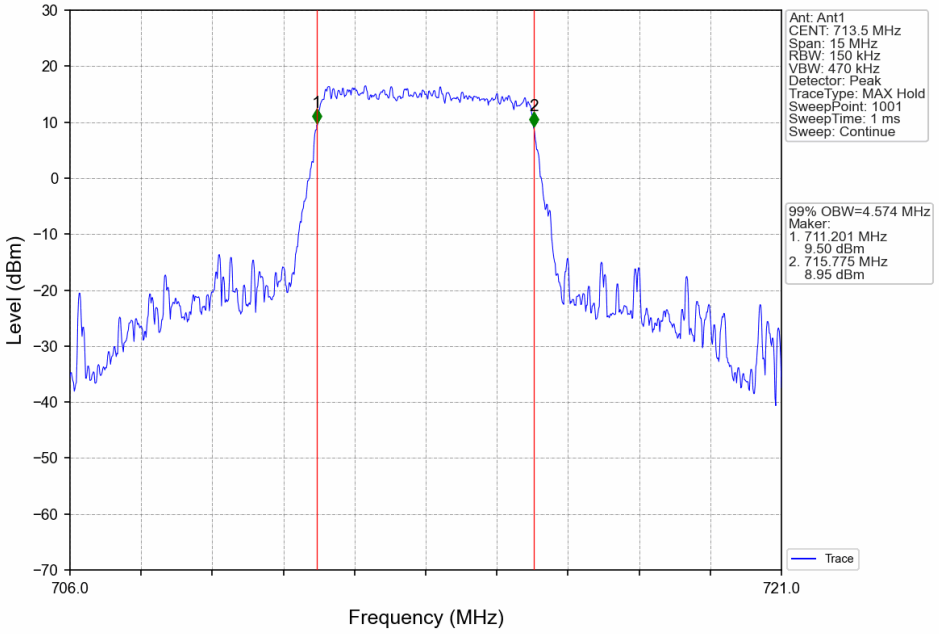
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



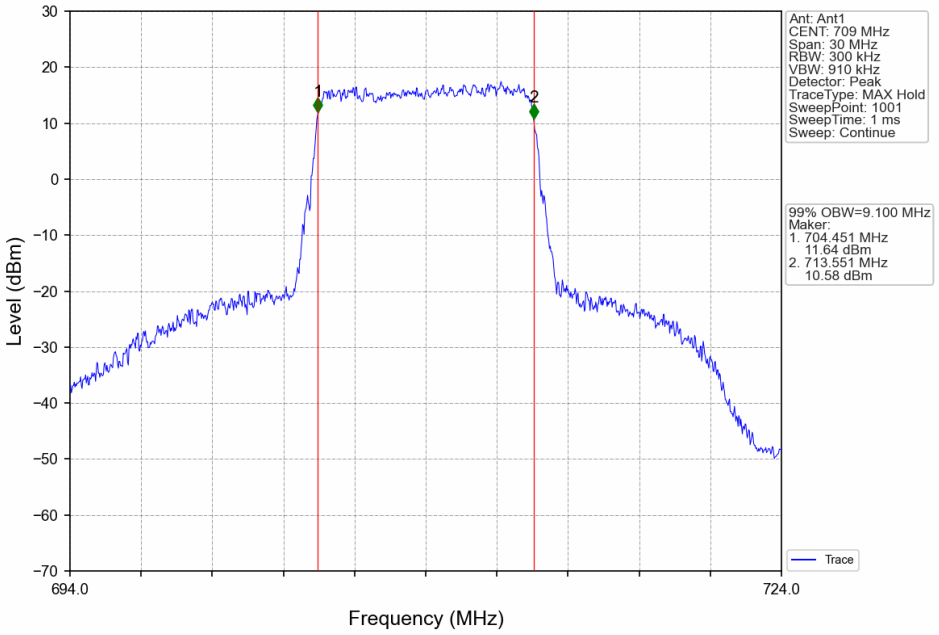
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



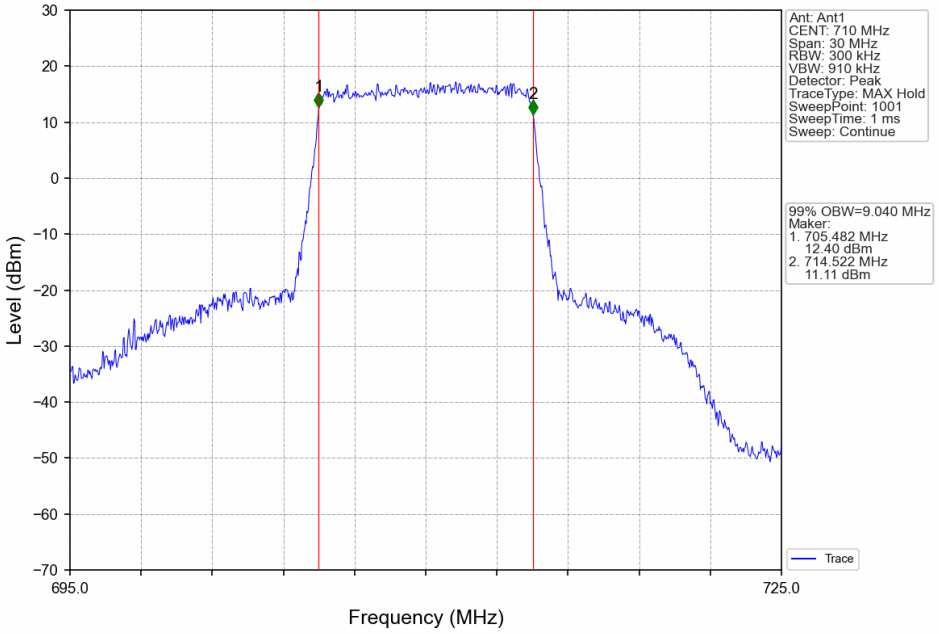
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



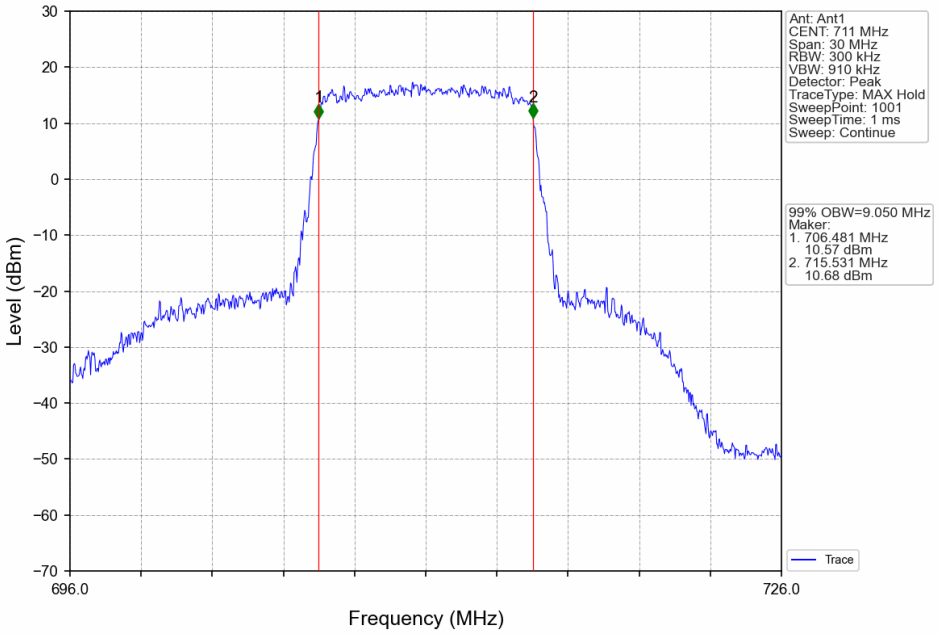
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



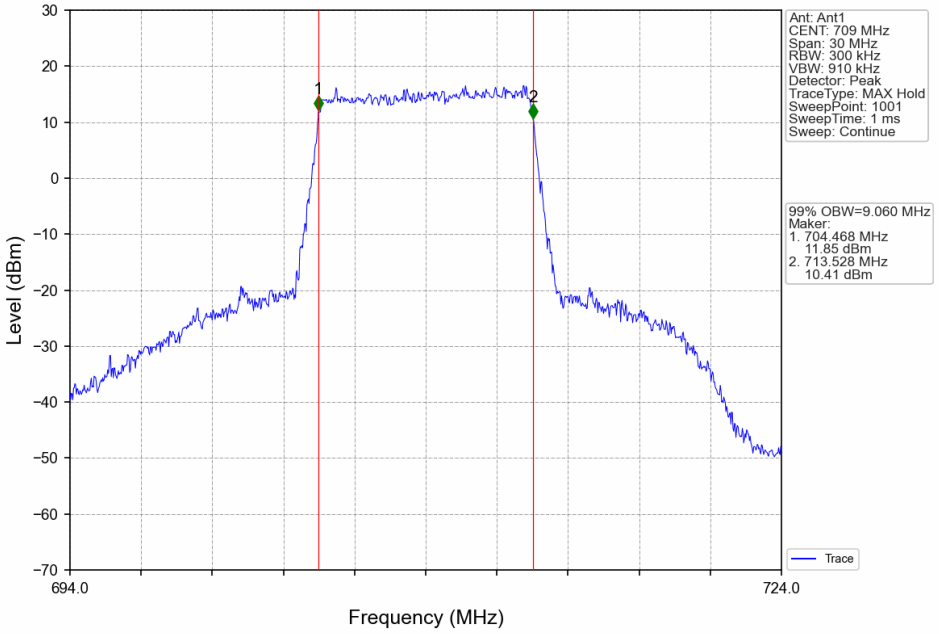
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



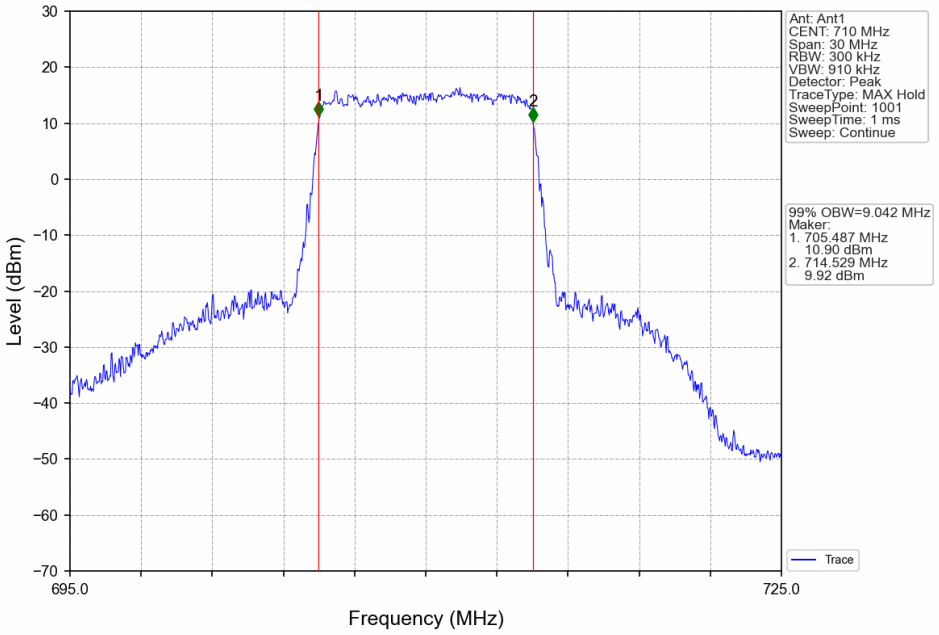
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



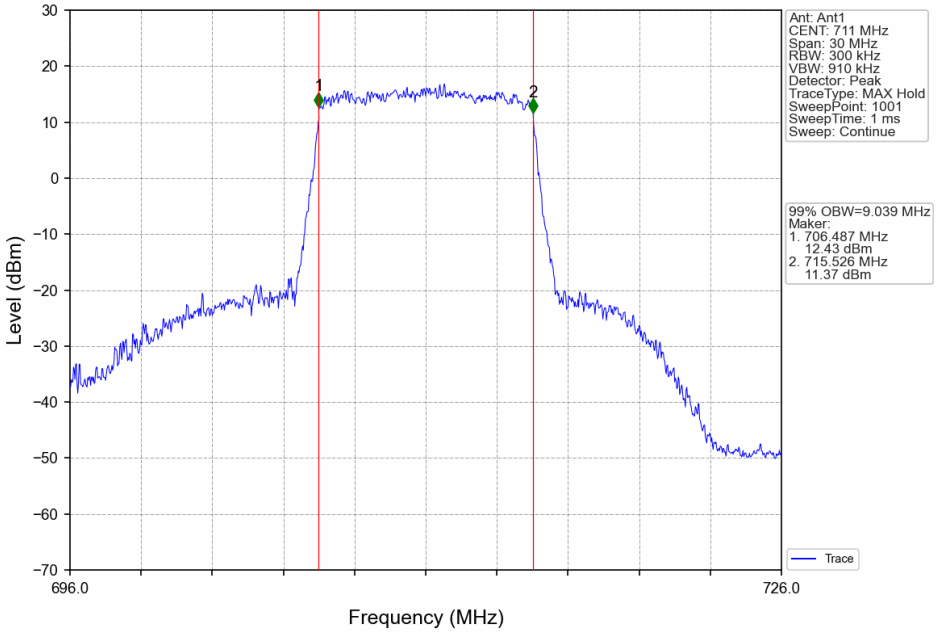
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV

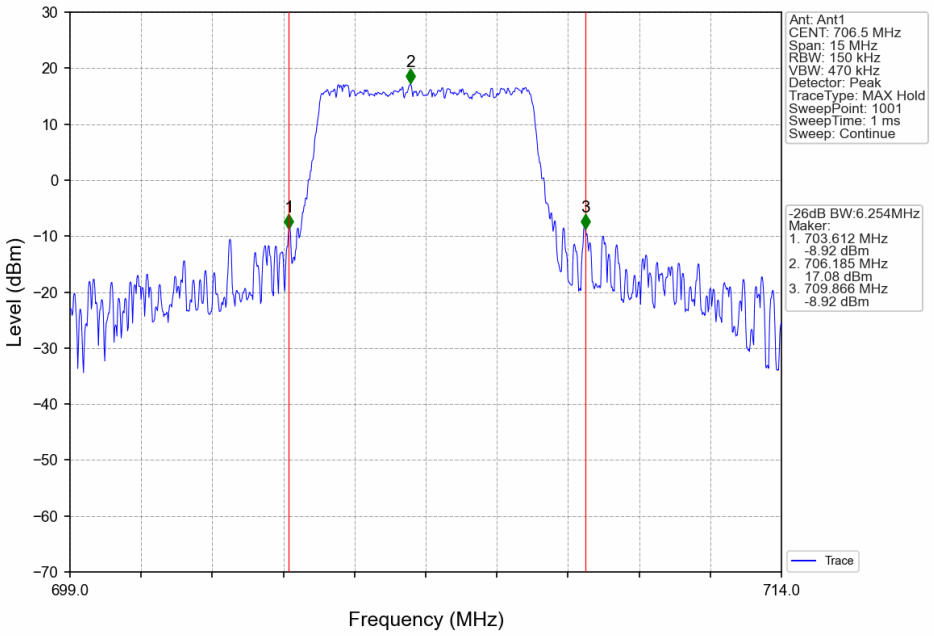


Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

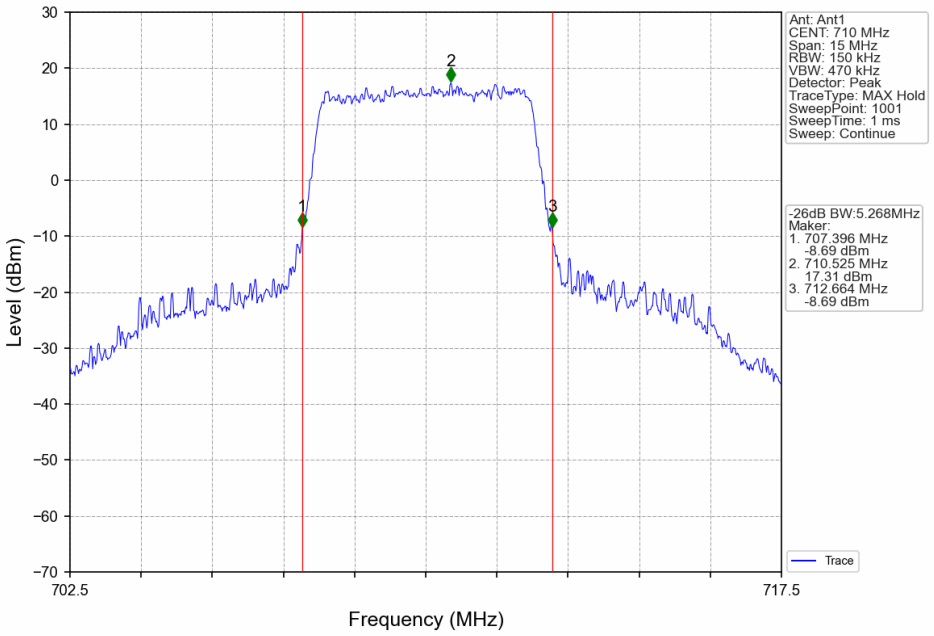


4.2.2 Band17_XDB

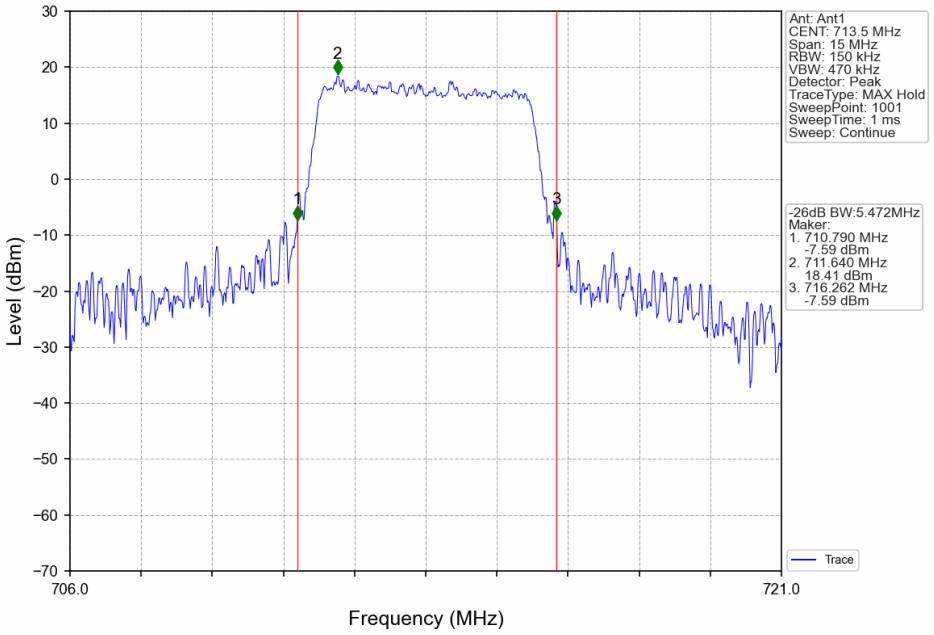
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



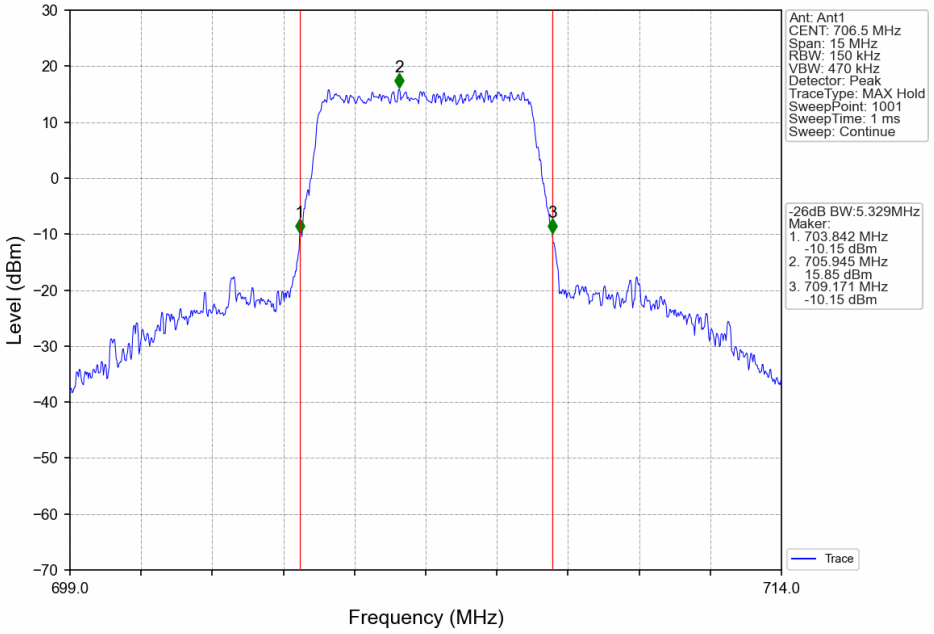
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



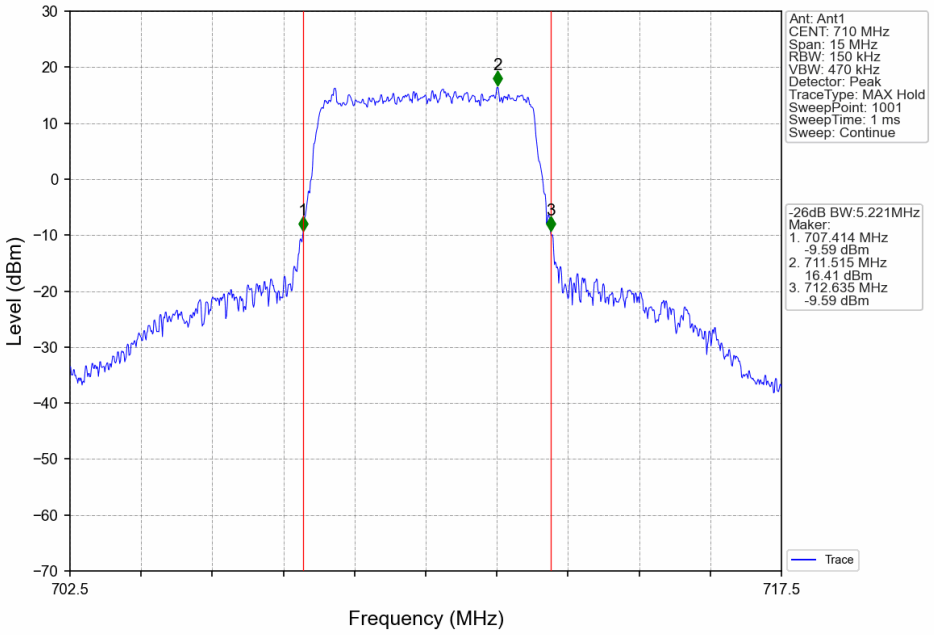
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



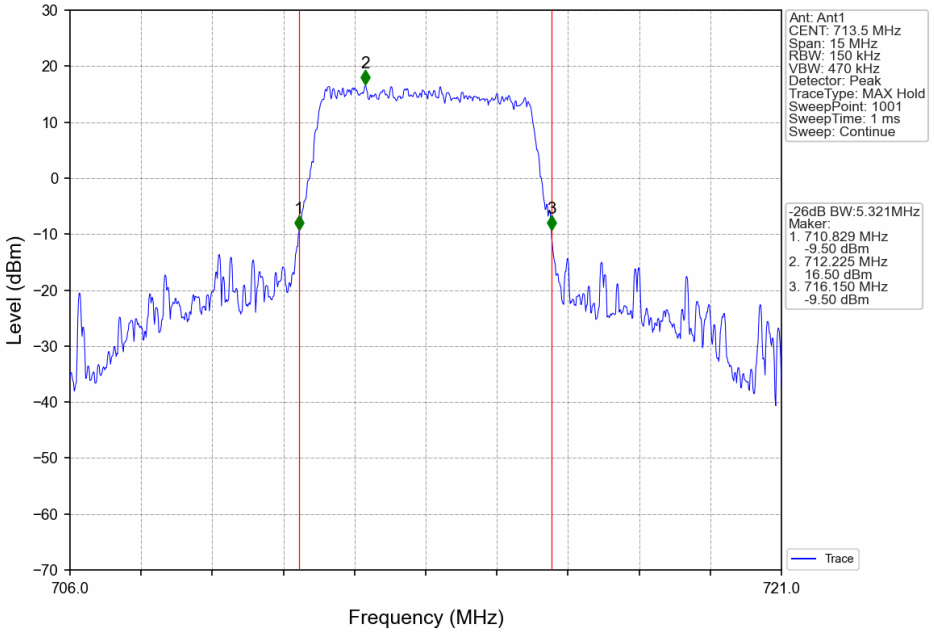
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



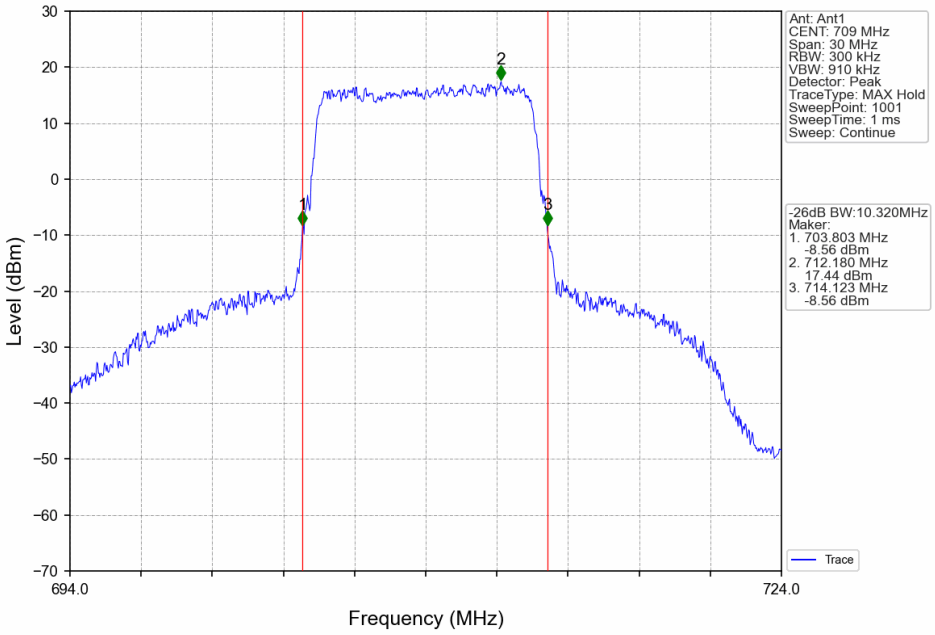
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



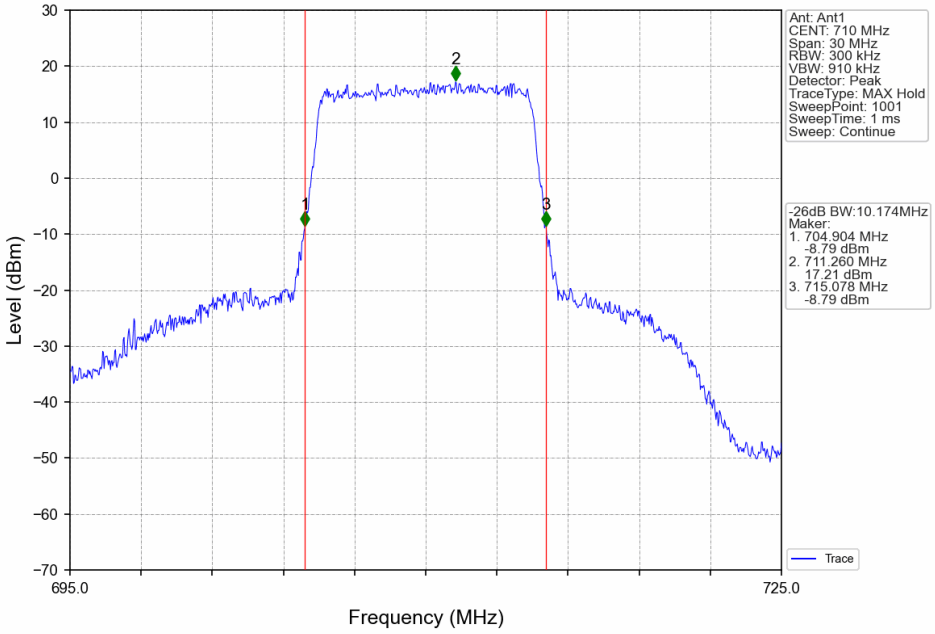
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



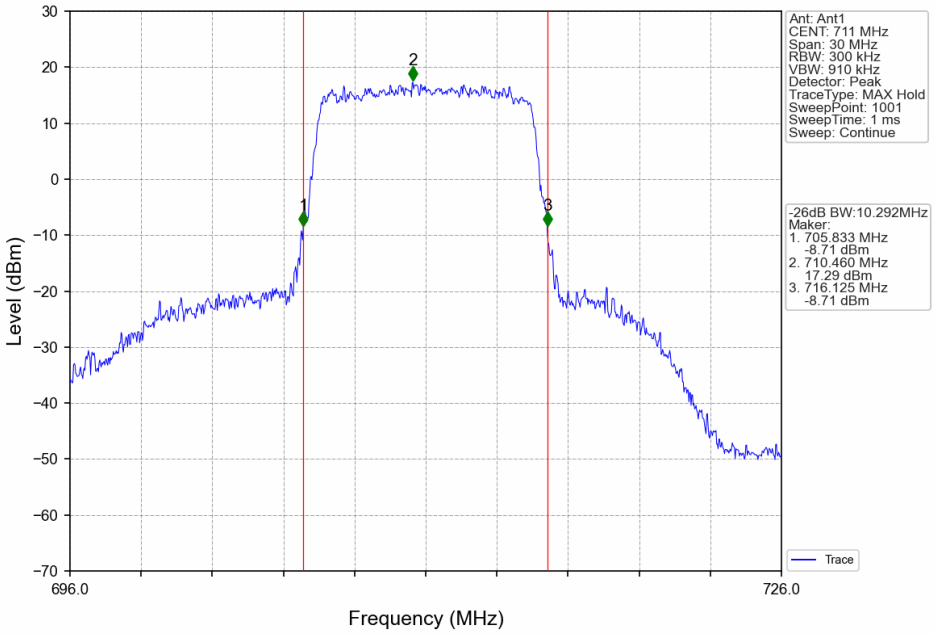
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



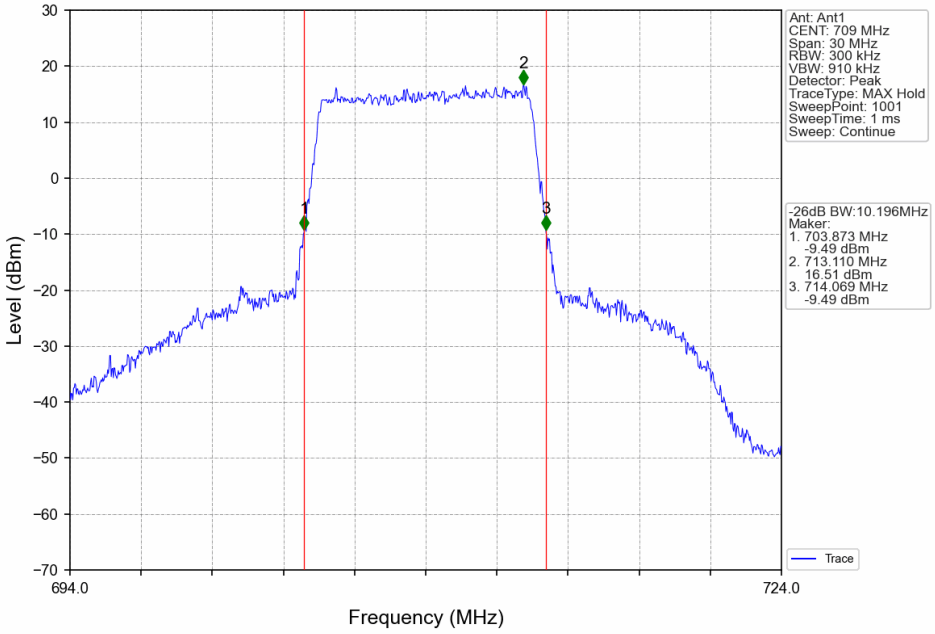
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



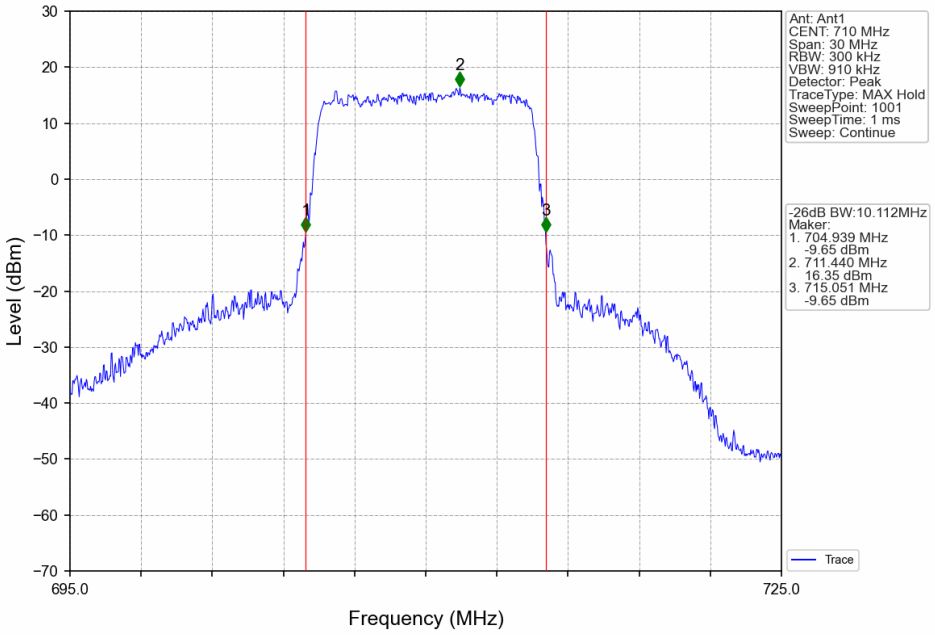
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



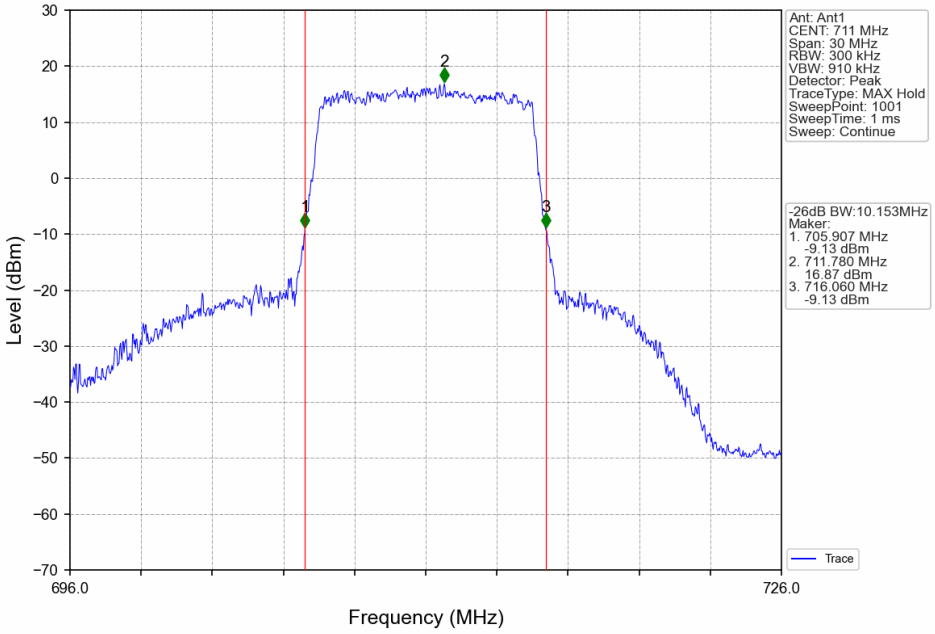
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.17	<=13	Pass
	710	25	0	5.20	<=13	Pass
	713.5	25	0	5.17	<=13	Pass
16QAM	706.5	25	0	6.00	<=13	Pass
	710	25	0	5.92	<=13	Pass
	713.5	25	0	5.86	<=13	Pass

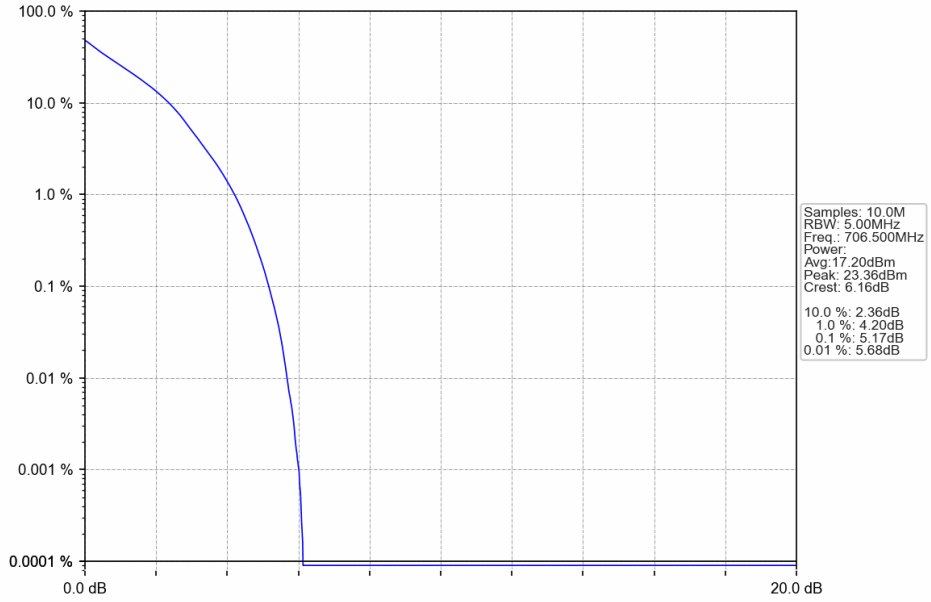
5.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.31	<=13	Pass
	710	50	0	5.20	<=13	Pass
	711	50	0	5.10	<=13	Pass
16QAM	709	50	0	6.03	<=13	Pass
	710	50	0	5.97	<=13	Pass
	711	50	0	5.85	<=13	Pass

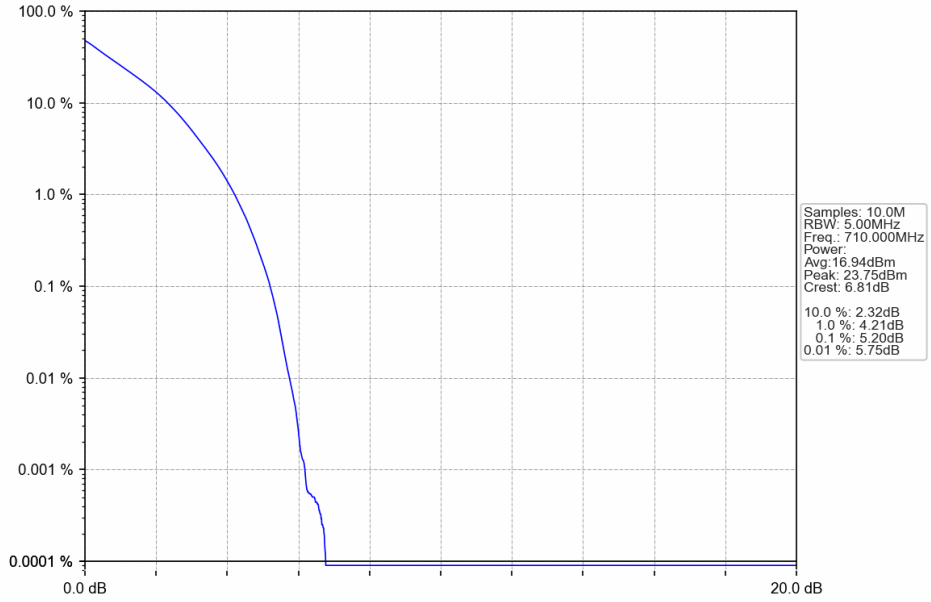
5.2 Test Graph

5.2.1 B17_5MHz

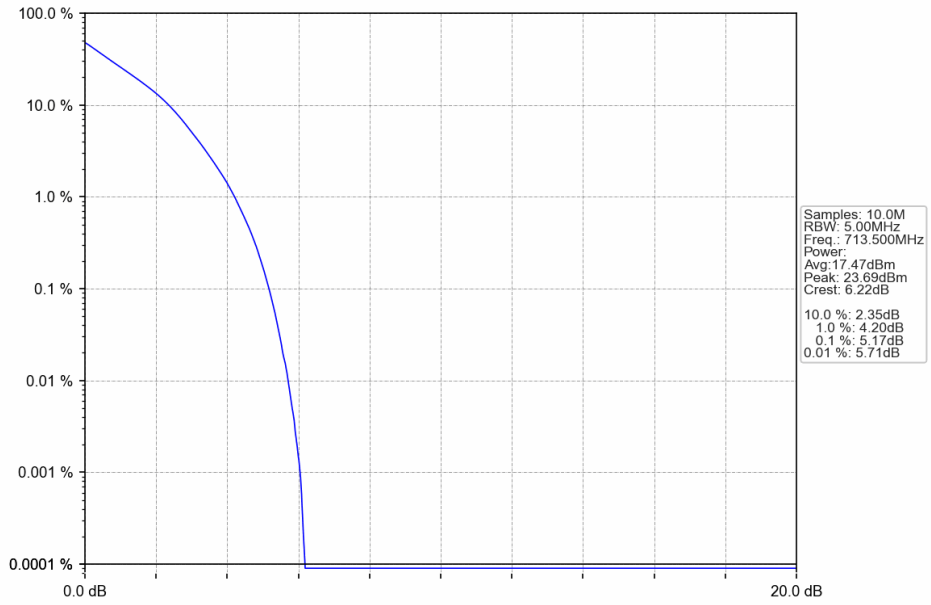
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



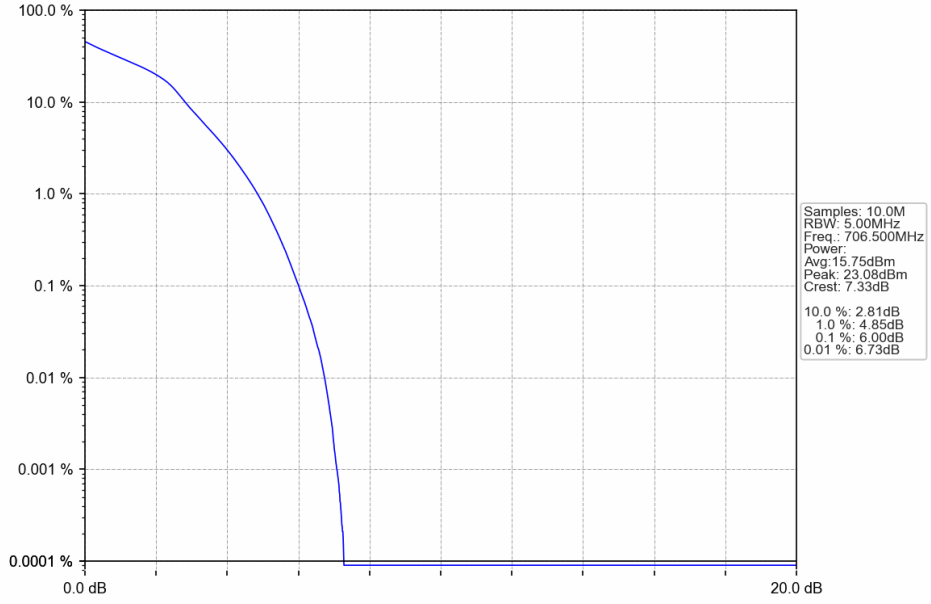
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



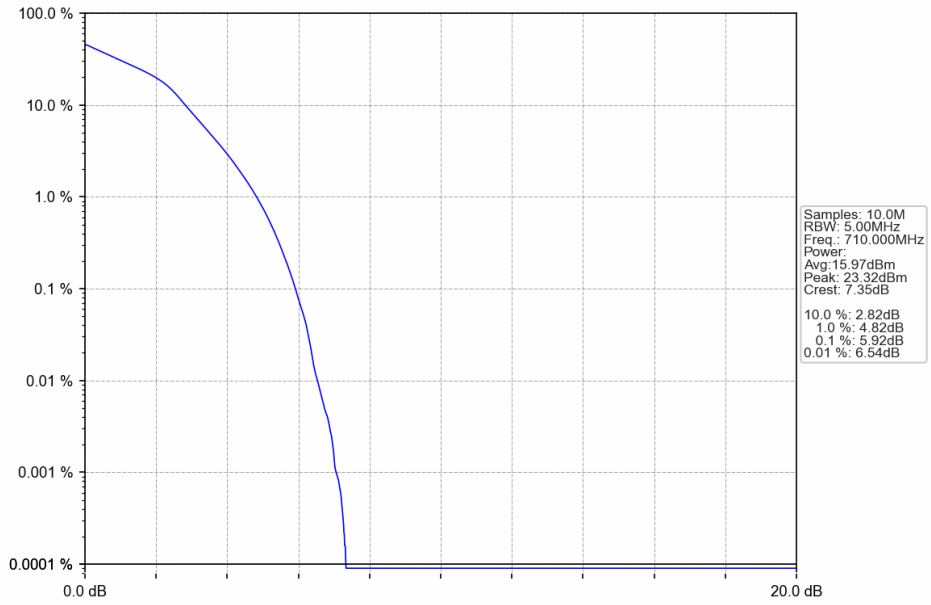
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



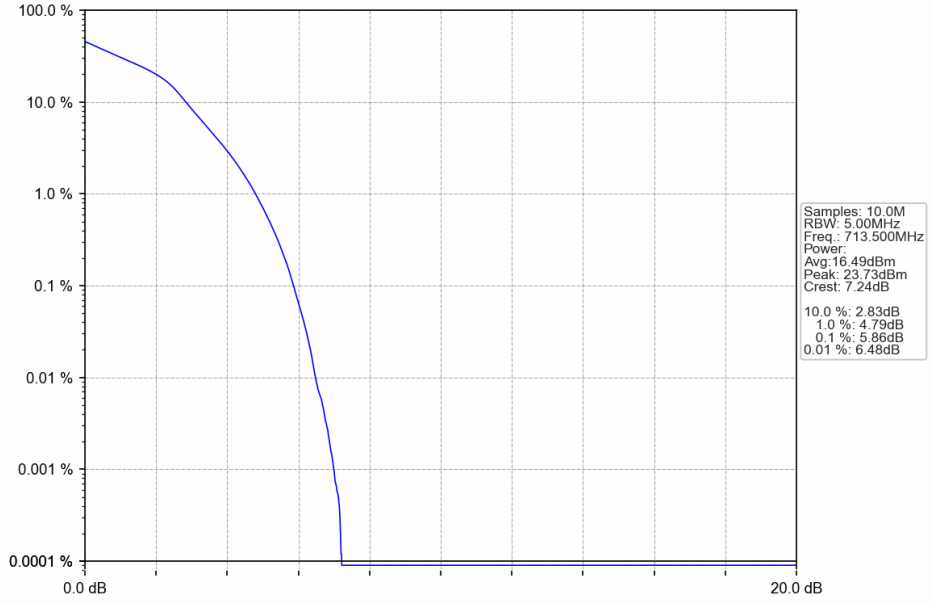
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

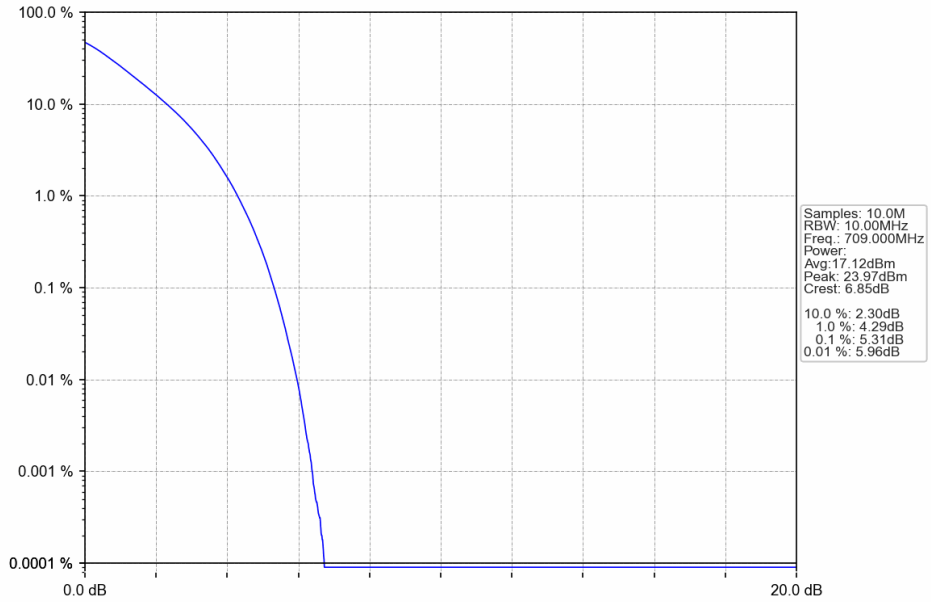


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

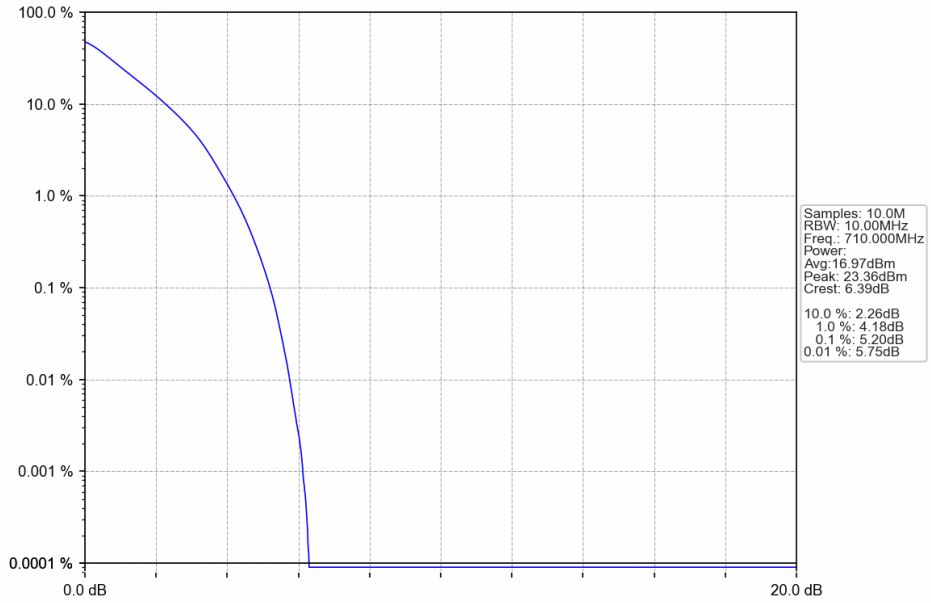


5.2.2 B17_10MHz

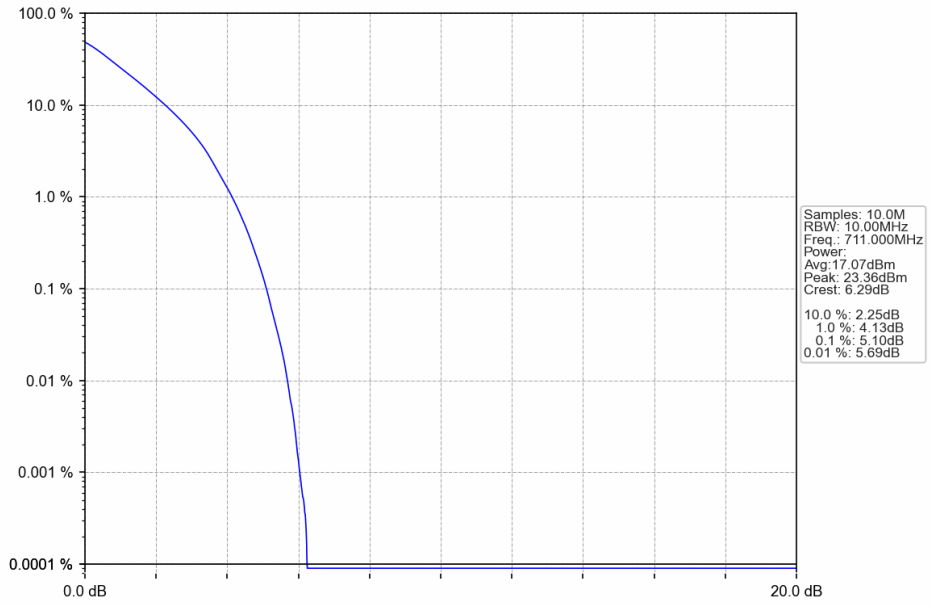
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



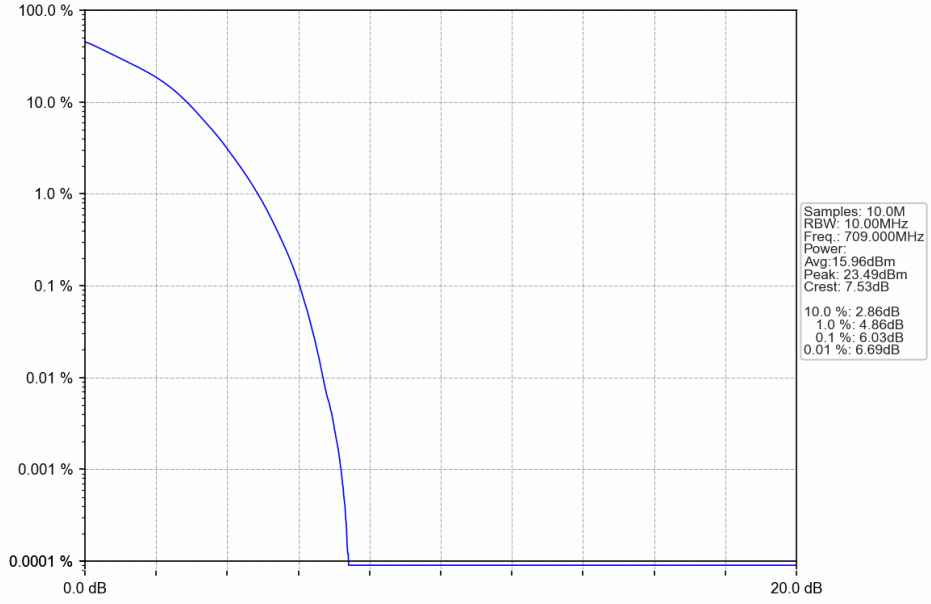
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



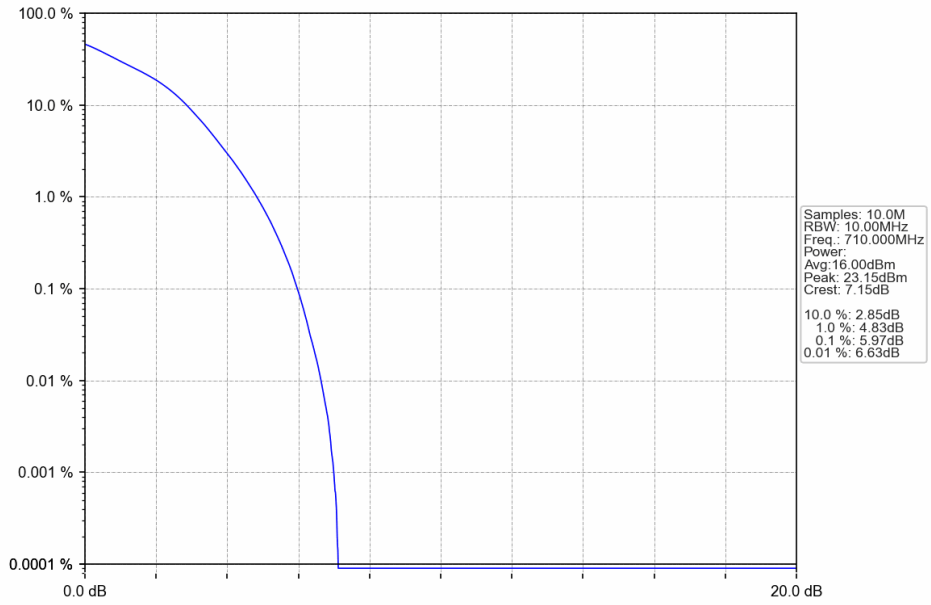
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



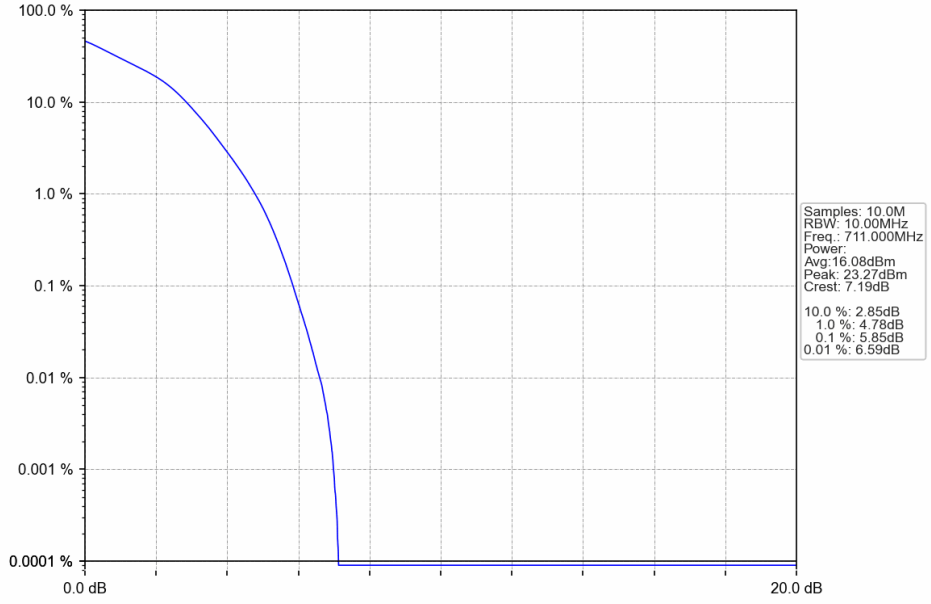
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B17_5MHz

Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

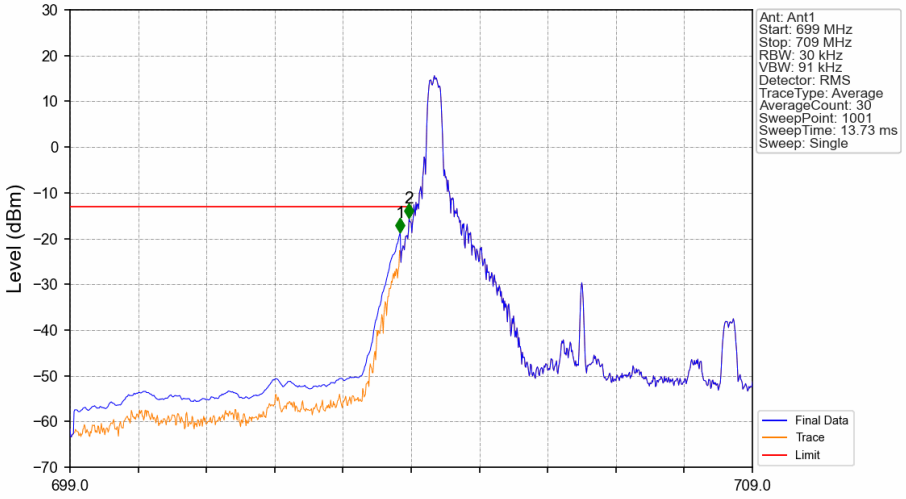
6.1.2 B17_10MHz

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2 Test Graph

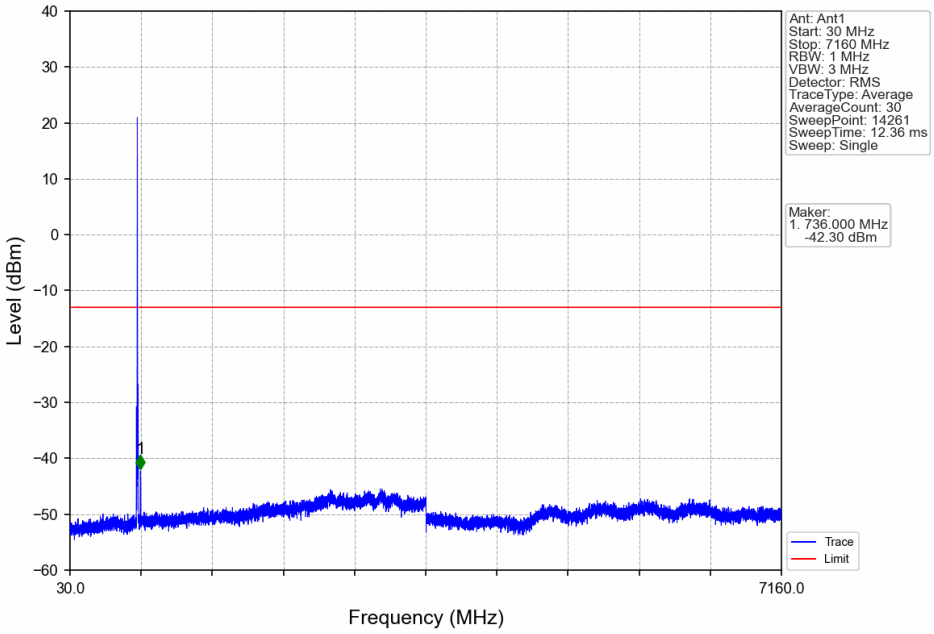
6.2.1 B17_5MHz

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

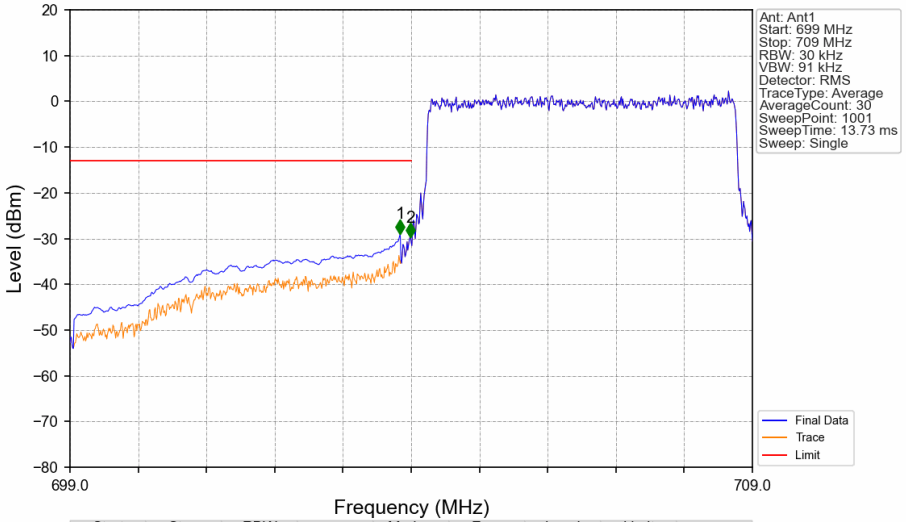


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-18.65	-13	Pass
703.9	704	0.03	/	2	703.970	-15.46	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

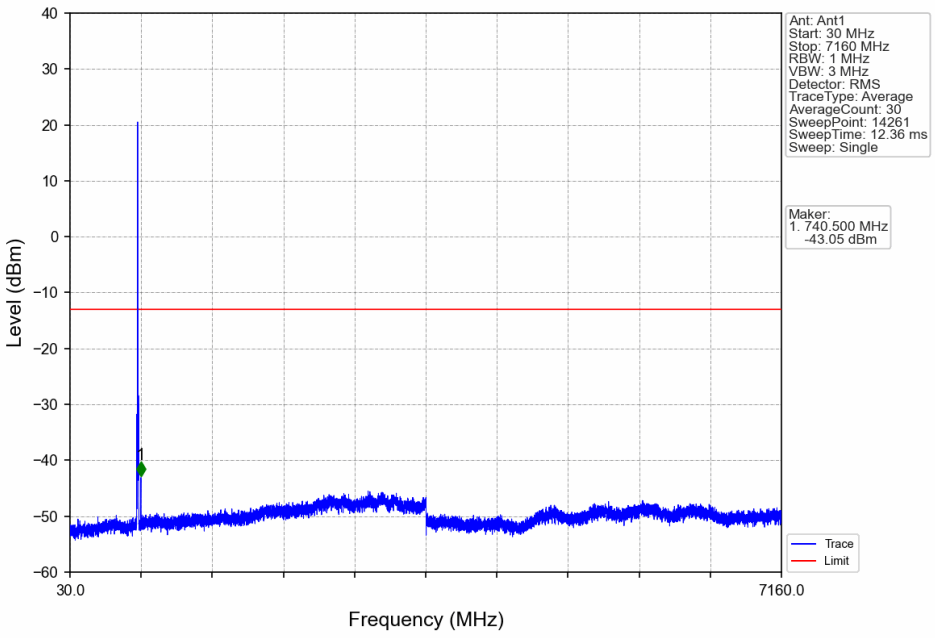


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

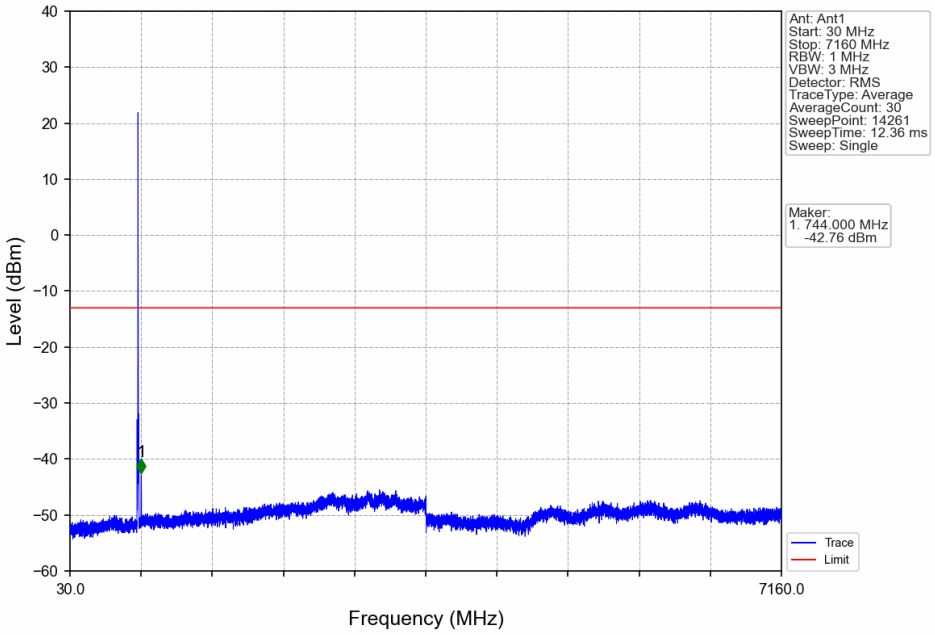


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-28.95	-13	Pass
703.9	704	0.03	/	2	703.990	-29.69	-13	Pass
704	709	0.03	/	/	/	/	/	/

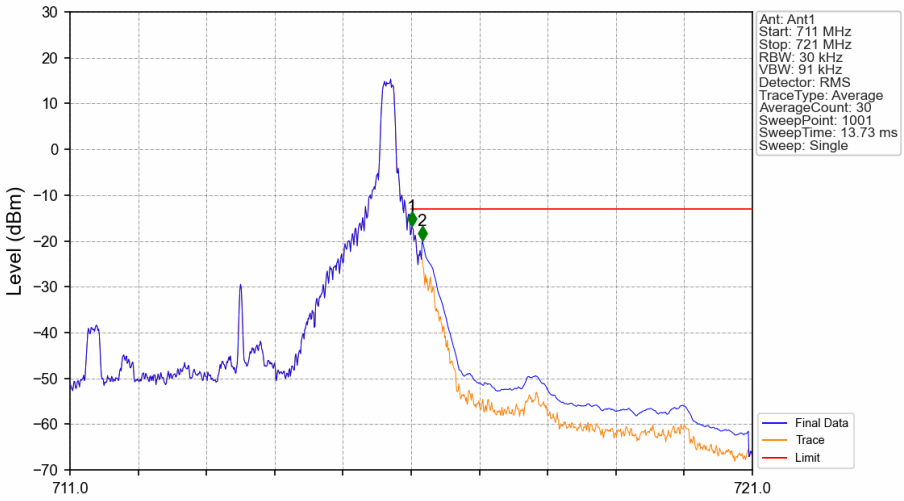
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

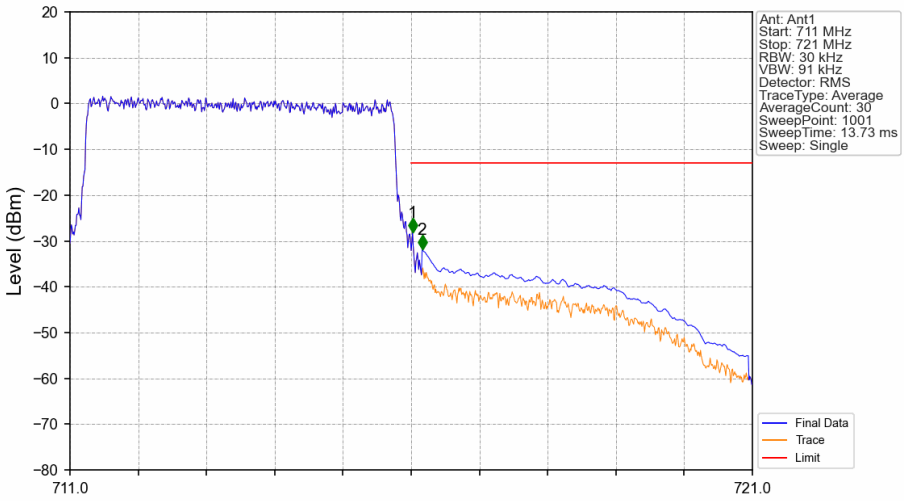


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



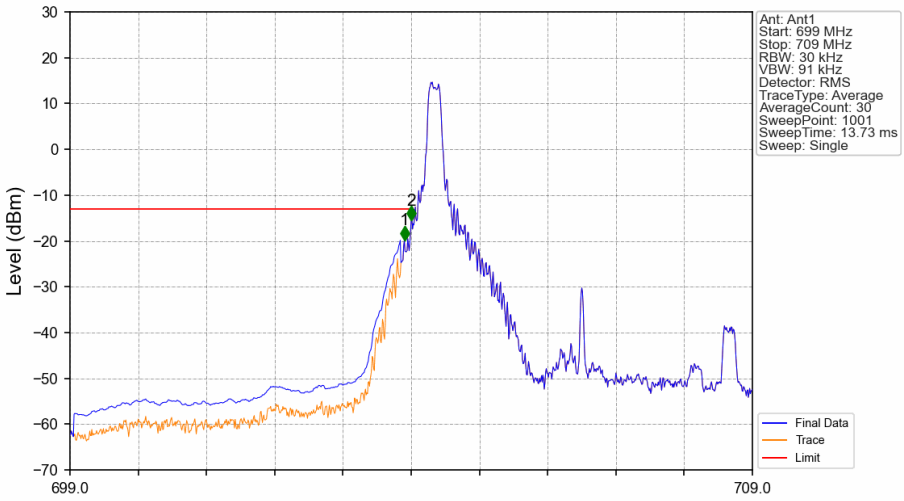
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-16.80	-13	Pass
716.1	721	0.1	CHP	2	716.160	-19.91	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



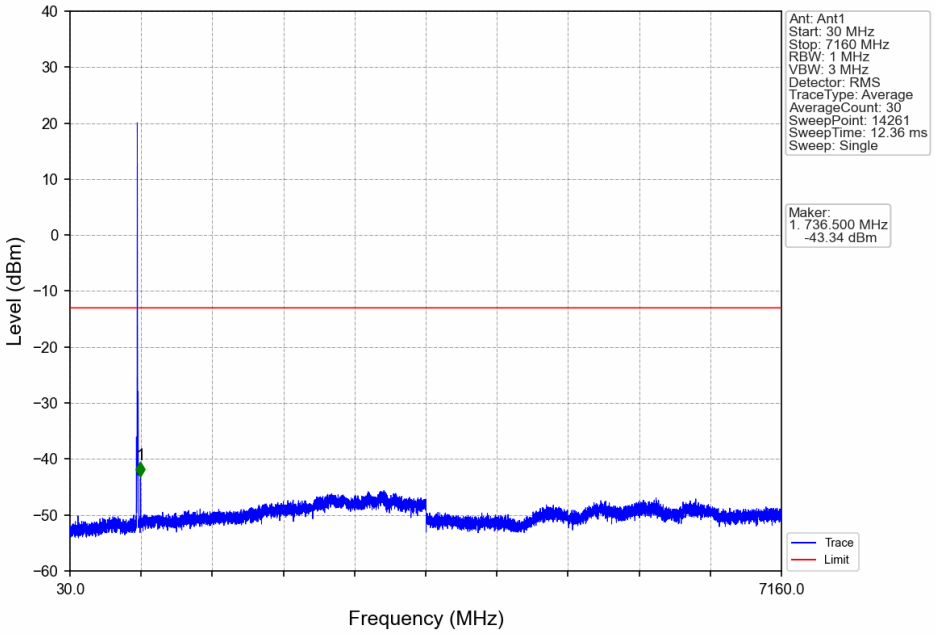
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-28.18	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.82	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

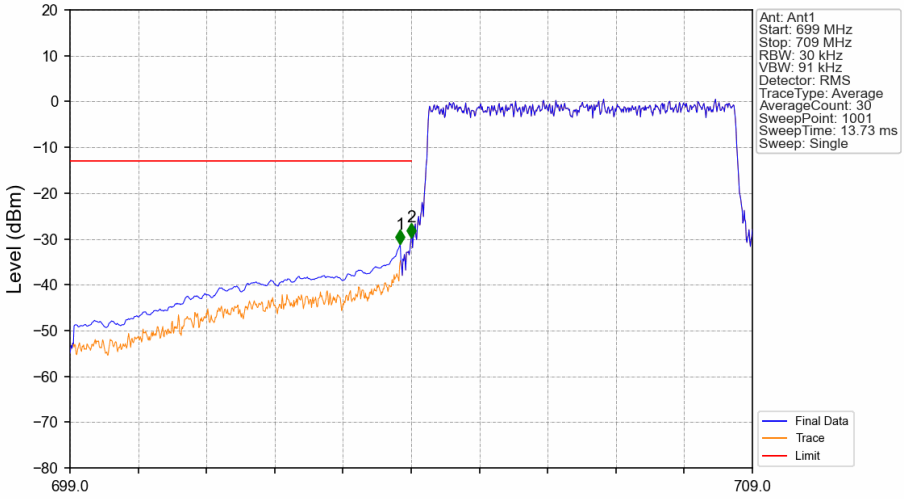


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.900	-19.85	-13	Pass
703.9	704	0.03	/	2	704.000	-15.57	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

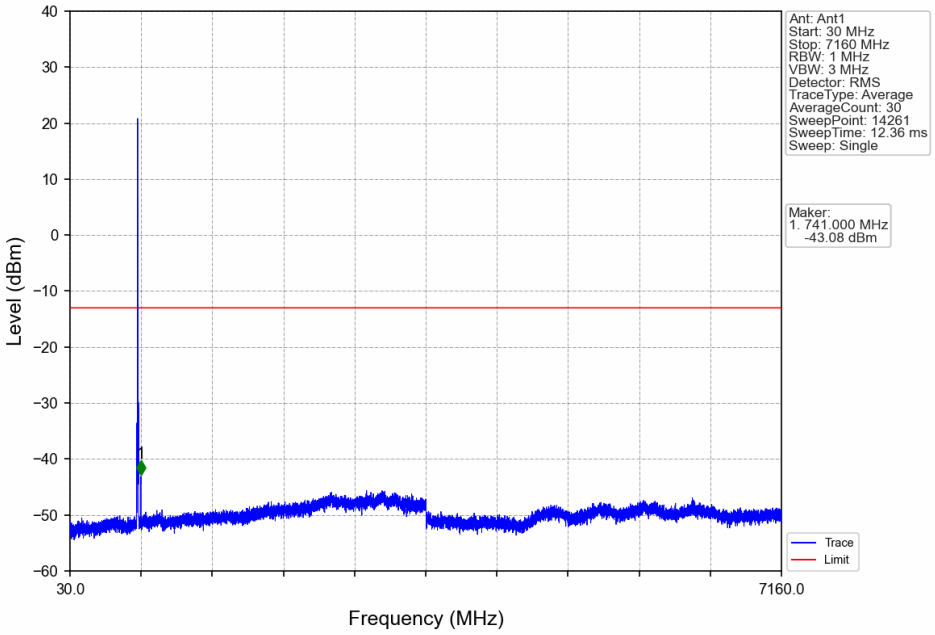


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

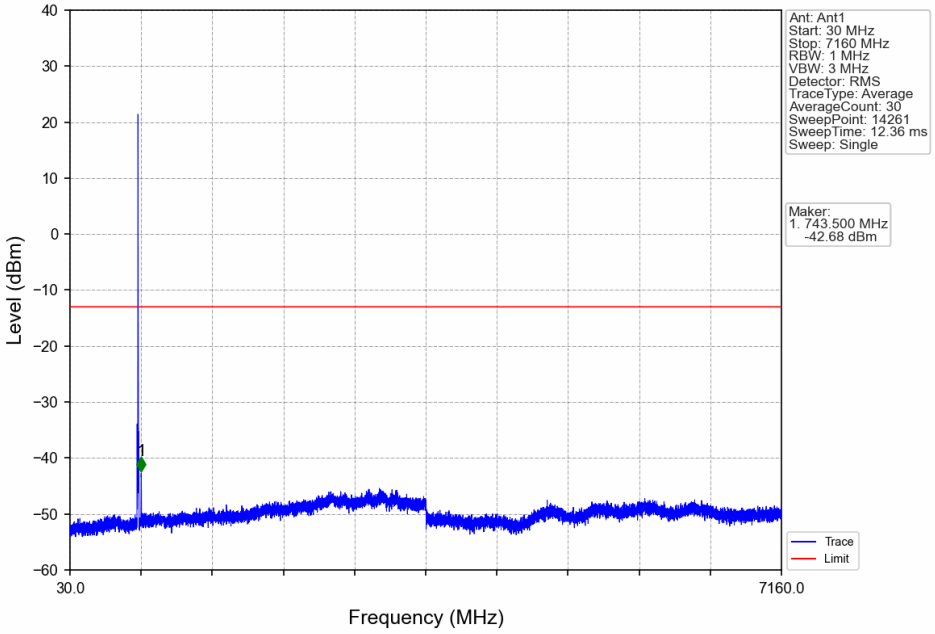


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-31.22	-13	Pass
703.9	704	0.03	/	2	704.000	-29.66	-13	Pass
704	709	0.03	/	/	/	/	/	/

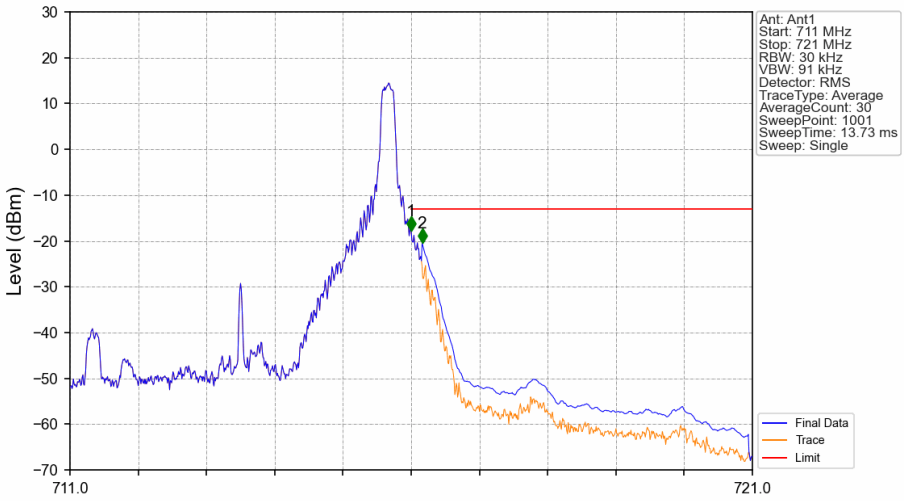
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

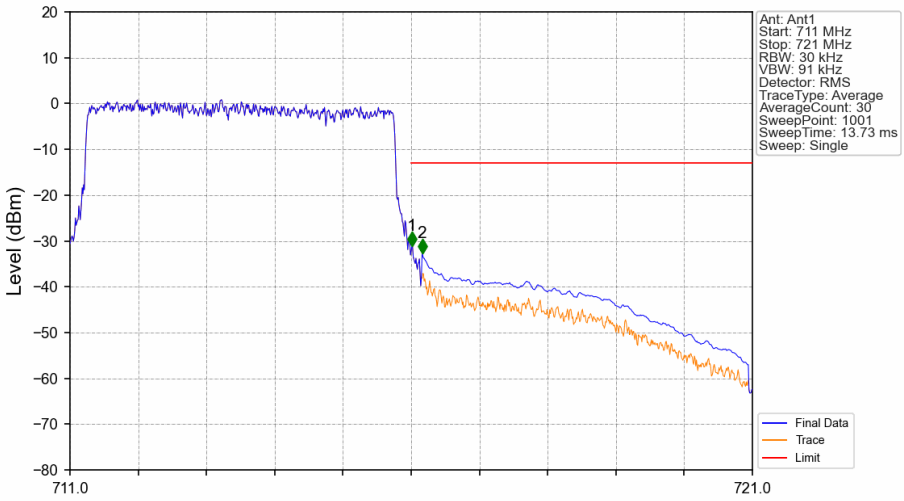


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-17.87	-13	Pass
716.1	721	0.1	CHP	2	716.160	-20.41	-13	Pass

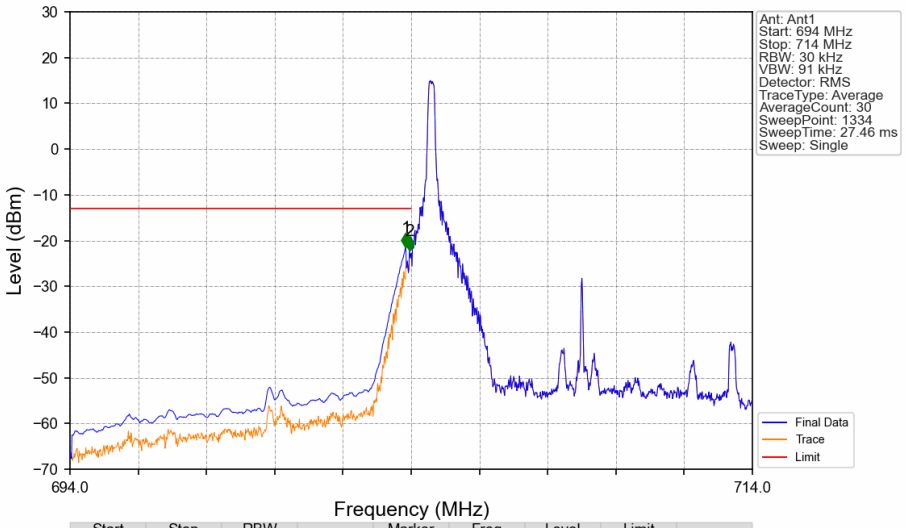
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-31.07	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.65	-13	Pass

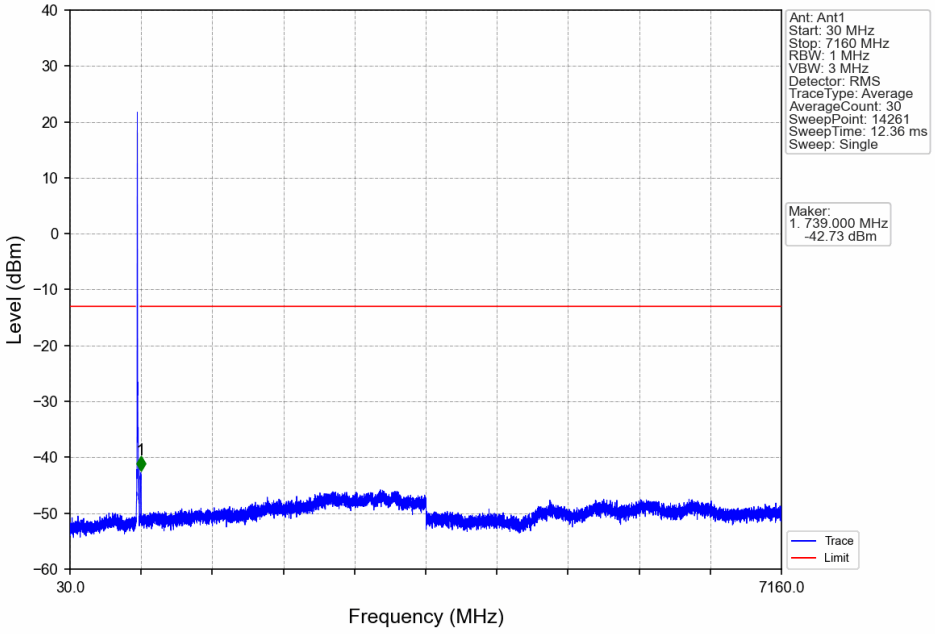
6.2.2 B17_10MHz

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

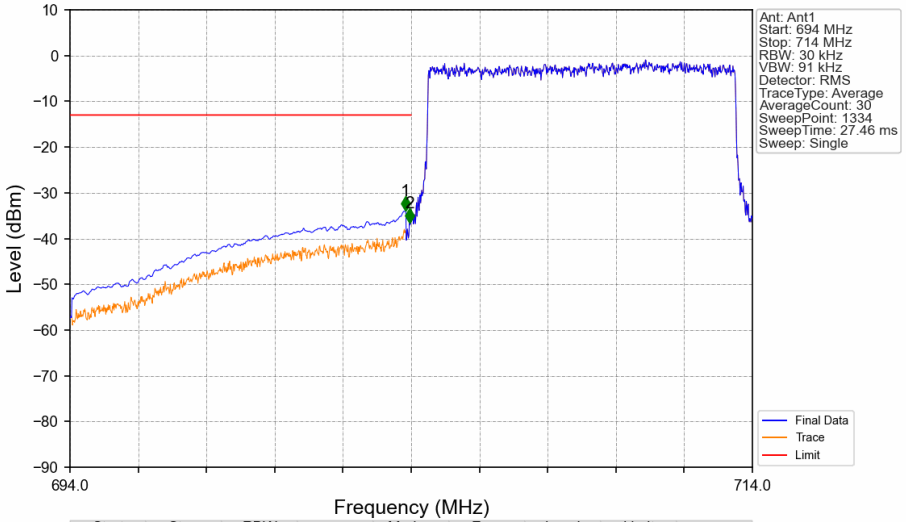


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-21.49	-13	Pass
703.9	704	0.03	/	2	703.947	-22.21	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

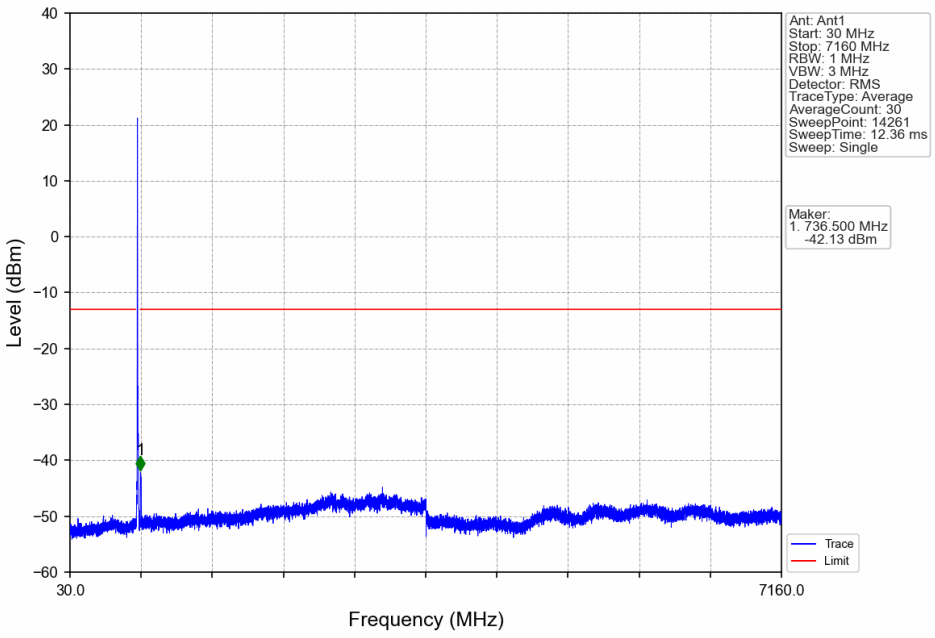


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

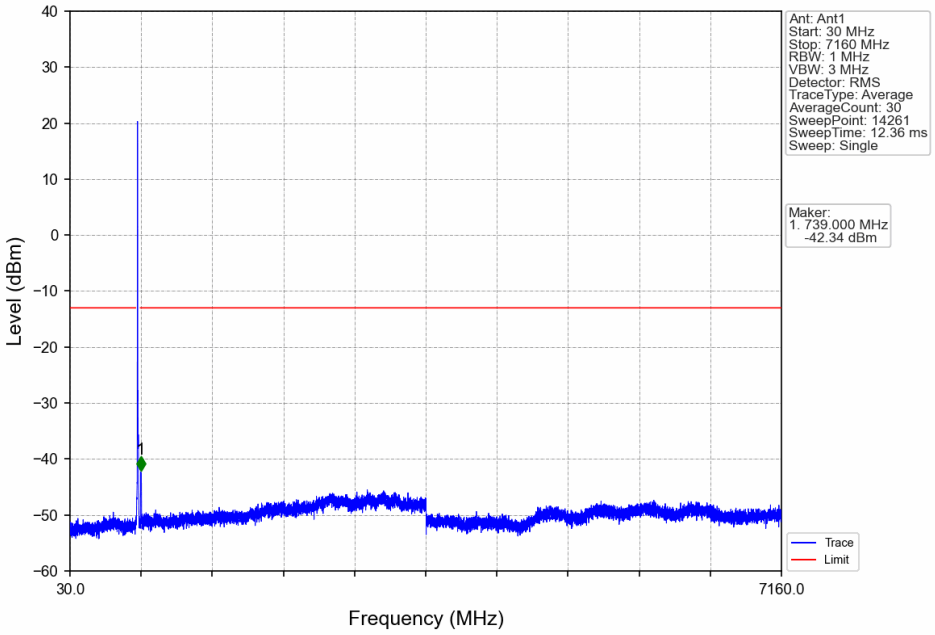


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.827	-33.89	-13	Pass
703.9	704	0.03	/	2	703.947	-36.58	-13	Pass
704	714	0.03	/	/	/	/	/	/

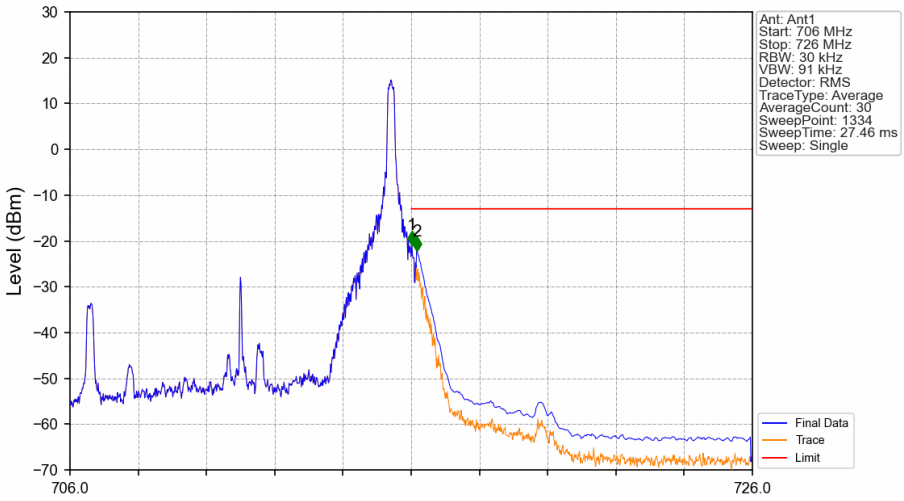
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

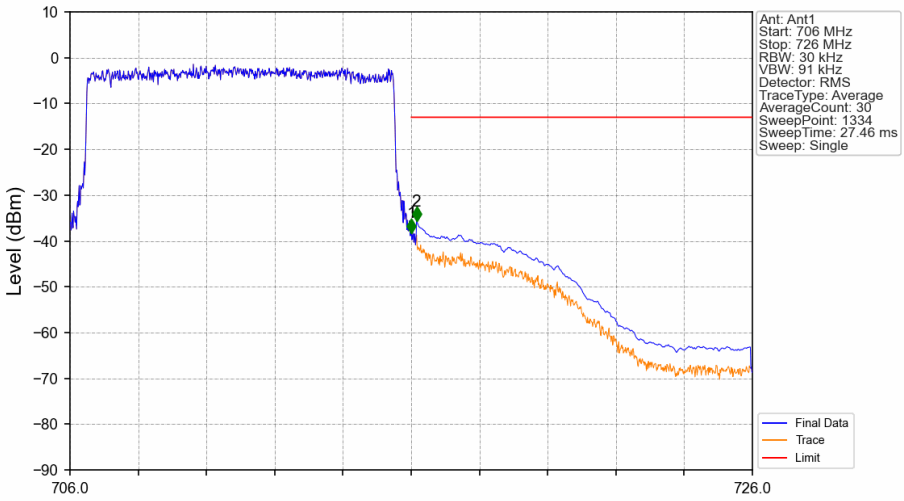


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



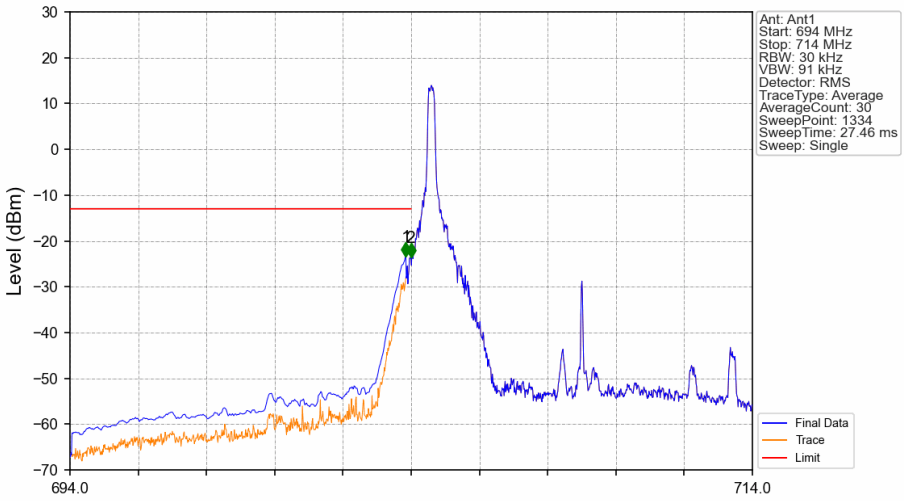
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-20.91	-13	Pass
716.1	726	0.1	CHP	2	716.173	-22.21	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



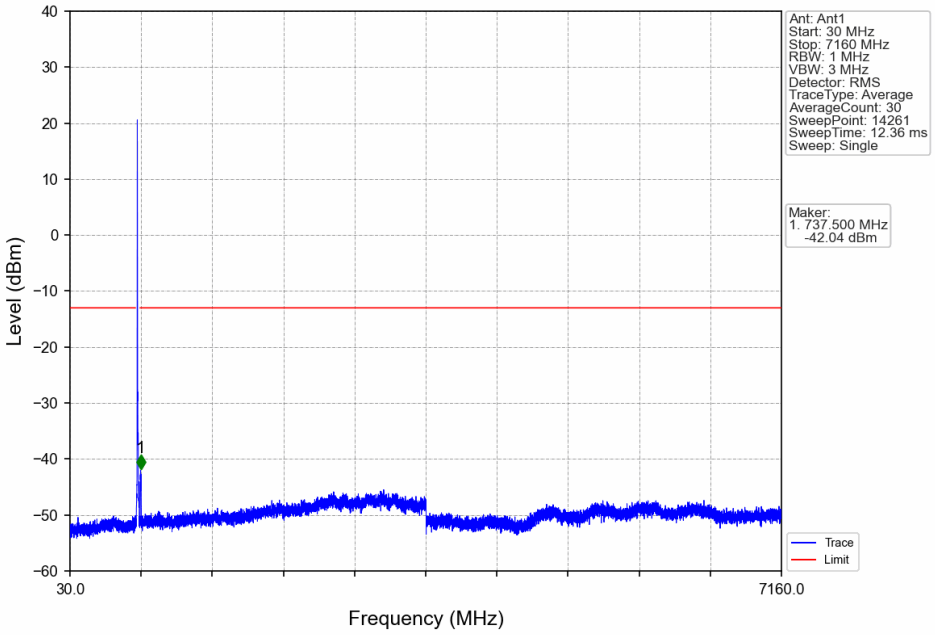
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-38.24	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.69	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

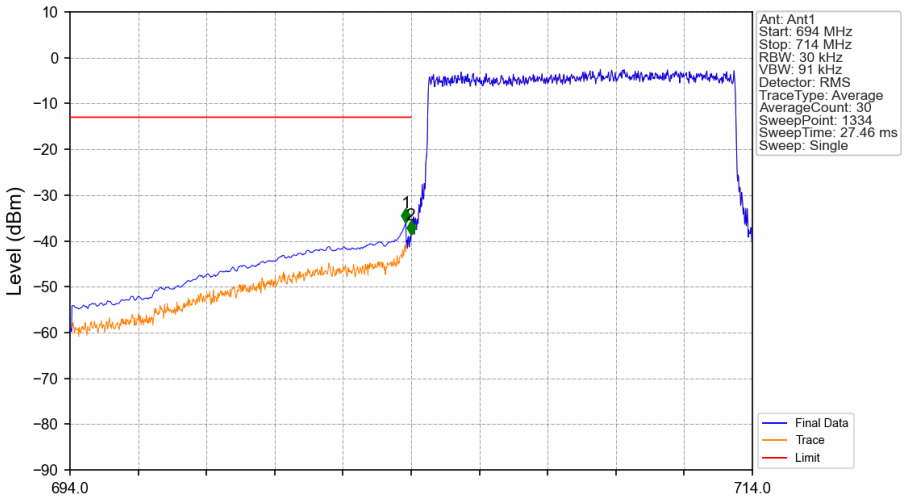


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-23.41	-13	Pass
703.9	704	0.03	/	2	703.992	-23.62	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

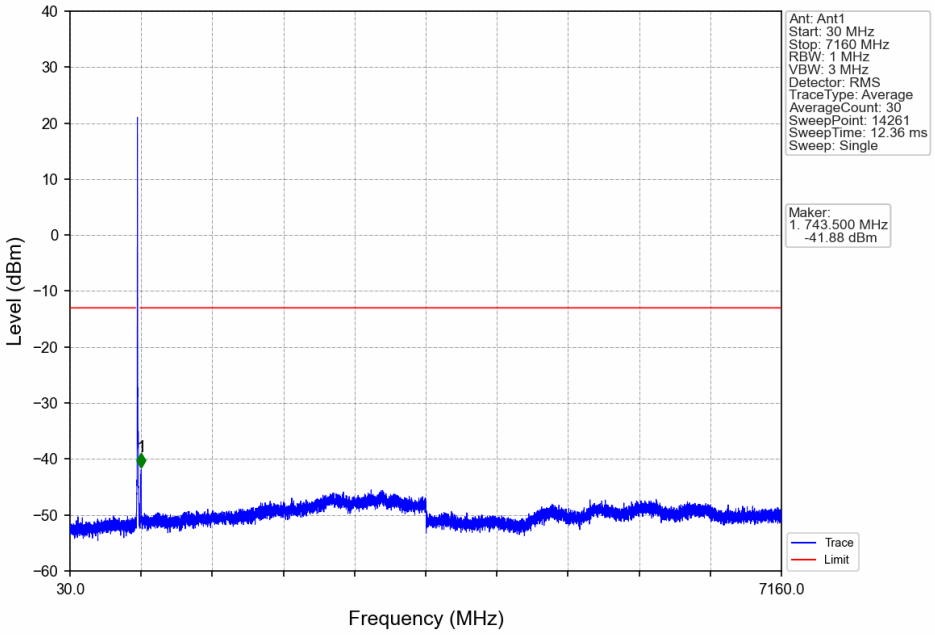


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

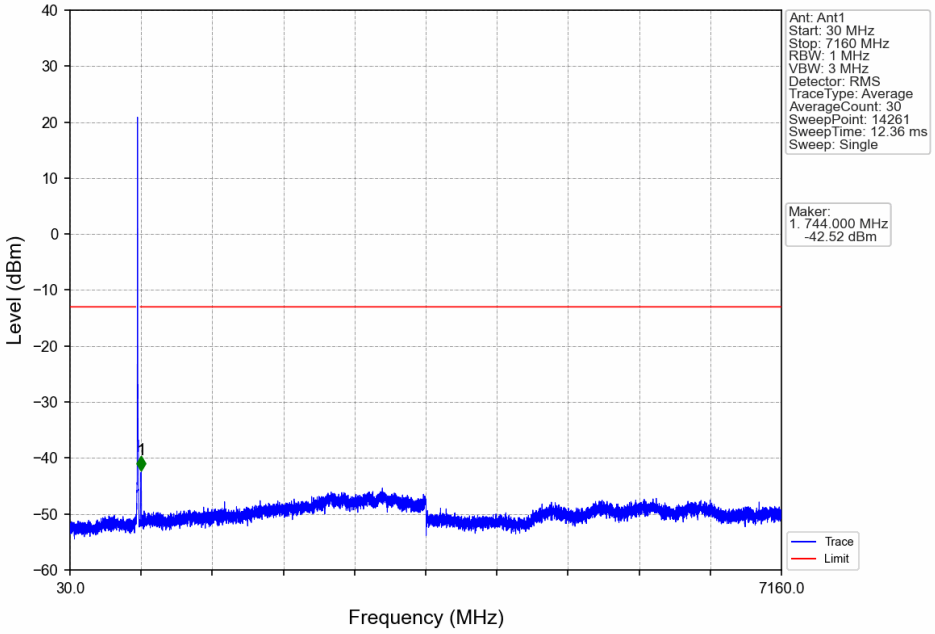


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-36.03	-13	Pass
703.9	704	0.03	/	2	703.992	-38.76	-13	Pass
704	714	0.03	/	/	/	/	/	/

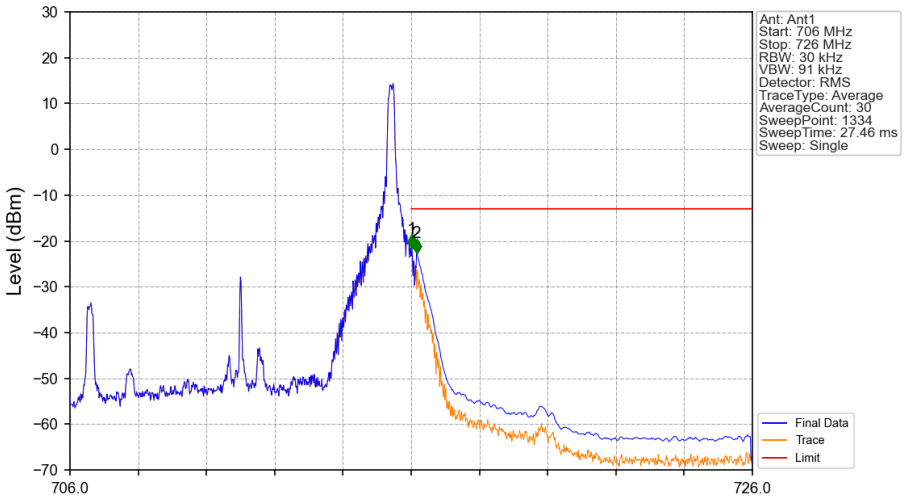
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

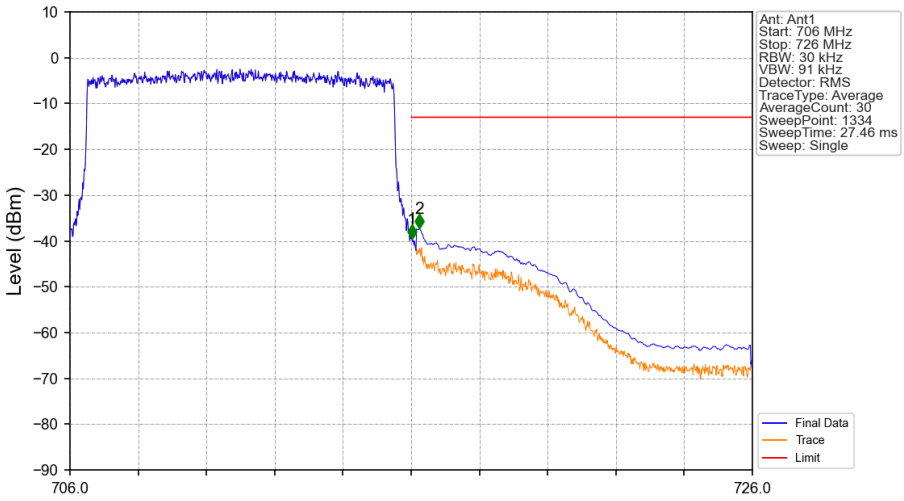


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-21.70	-13	Pass
716.1	726	0.1	CHP	2	716.158	-22.66	-13	Pass

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-39.54	-13	Pass
716.1	726	0.1	CHP	2	716.248	-37.32	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.1567	0.0143	ppm	4M59G7D	27H	21.95
17	5	706.5	713.5	0.1178	0.0146	ppm	4M58W7D	27H	20.71
17	10	709	711	0.1469	0.0150	ppm	9M10G7D	27H	21.67
17	10	709	711	0.1300	0.0149	ppm	9M06W7D	27H	21.14

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.0927	0.0143	ppm	4M59G7D	27H	19.67
17	5	706.5	713.5	0.0697	0.0146	ppm	4M58W7D	27H	18.43
17	10	709	711	0.0869	0.0150	ppm	9M10G7D	27H	19.39
17	10	709	711	0.0769	0.0149	ppm	9M06W7D	27H	18.86