

1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP

1.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	706.5	1	0	23.67	0.42	21.94	<=34.77	Pass		
			13	23.69	0.42	21.96	<=34.77	Pass		
			24	24.28	0.42	22.55	<=34.77	Pass		
		12	0	23.26	0.42	21.53	<=34.77	Pass		
			6	23.36	0.42	21.63	<=34.77	Pass		
			13	23.67	0.42	21.94	<=34.77	Pass		
		25	0	23.39	0.42	21.66	<=34.77	Pass		
		710	1	0	23.63	0.42	21.9	<=34.77	Pass	
				13	24.69	0.42	22.96	<=34.77	Pass	
	24			23.75	0.42	22.02	<=34.77	Pass		
	12		0	23.65	0.42	21.92	<=34.77	Pass		
			6	23.87	0.42	22.14	<=34.77	Pass		
			13	23.80	0.42	22.07	<=34.77	Pass		
	25		0	23.74	0.42	22.01	<=34.77	Pass		
	713.5		1	0	24.40	0.42	22.67	<=34.77	Pass	
				13	22.78	0.42	21.05	<=34.77	Pass	
		24		21.97	0.42	20.24	<=34.77	Pass		
		12	0	23.59	0.42	21.86	<=34.77	Pass		
			6	22.86	0.42	21.13	<=34.77	Pass		
			13	22.18	0.42	20.45	<=34.77	Pass		
		25	0	22.86	0.42	21.13	<=34.77	Pass		
		16QAM	706.5	1	0	22.97	0.42	21.24	<=34.77	Pass
					13	23.26	0.42	21.53	<=34.77	Pass
	24				24.00	0.42	22.27	<=34.77	Pass	
12	0			22.64	0.42	20.91	<=34.77	Pass		
	6			22.75	0.42	21.02	<=34.77	Pass		
	13			22.86	0.42	21.13	<=34.77	Pass		
25	0			22.77	0.42	21.04	<=34.77	Pass		
710	1			0	23.66	0.42	21.93	<=34.77	Pass	
				13	24.52	0.42	22.79	<=34.77	Pass	
			24	23.87	0.42	22.14	<=34.77	Pass		
	12		0	22.68	0.42	20.95	<=34.77	Pass		
			6	22.94	0.42	21.21	<=34.77	Pass		
			13	22.84	0.42	21.11	<=34.77	Pass		
	25		0	22.73	0.42	21	<=34.77	Pass		
	713.5		1	0	23.67	0.42	21.94	<=34.77	Pass	
				13	22.44	0.42	20.71	<=34.77	Pass	
24				21.68	0.42	19.95	<=34.77	Pass		
12			0	23.29	0.42	21.56	<=34.77	Pass		
			6	22.58	0.42	20.85	<=34.77	Pass		
			13	22.09	0.42	20.36	<=34.77	Pass		
25			0	22.55	0.42	20.82	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.2 B17_10MHz_ERP

1.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	709	1	0	23.21	0.42	21.48	<=34.77	Pass		
			25	24.37	0.42	22.64	<=34.77	Pass		
			49	23.10	0.42	21.37	<=34.77	Pass		
		25	0	23.34	0.42	21.61	<=34.77	Pass		
			13	24.09	0.42	22.36	<=34.77	Pass		
			25	23.78	0.42	22.05	<=34.77	Pass		
		50	0	23.72	0.42	21.99	<=34.77	Pass		
		710	1	0	22.90	0.42	21.17	<=34.77	Pass	
				25	24.41	0.42	22.68	<=34.77	Pass	
	49			22.25	0.42	20.52	<=34.77	Pass		
	25		0	23.10	0.42	21.37	<=34.77	Pass		
			13	23.45	0.42	21.72	<=34.77	Pass		
			25	23.23	0.42	21.5	<=34.77	Pass		
	50		0	23.14	0.42	21.41	<=34.77	Pass		
	711		1	0	23.07	0.42	21.34	<=34.77	Pass	
				25	24.26	0.42	22.53	<=34.77	Pass	
		49		21.97	0.42	20.24	<=34.77	Pass		
		25	0	23.75	0.42	22.02	<=34.77	Pass		
			13	23.44	0.42	21.71	<=34.77	Pass		
			25	23.00	0.42	21.27	<=34.77	Pass		
		50	0	23.19	0.42	21.46	<=34.77	Pass		
		16QAM	709	1	0	22.73	0.42	21	<=34.77	Pass
					25	24.05	0.42	22.32	<=34.77	Pass
	49				22.80	0.42	21.07	<=34.77	Pass	
25	0			22.63	0.42	20.9	<=34.77	Pass		
	13			22.83	0.42	21.1	<=34.77	Pass		
	25			22.75	0.42	21.02	<=34.77	Pass		
50	0			22.69	0.42	20.96	<=34.77	Pass		
710	1			0	22.85	0.42	21.12	<=34.77	Pass	
				25	24.21	0.42	22.48	<=34.77	Pass	
			49	22.33	0.42	20.6	<=34.77	Pass		
	25		0	22.09	0.42	20.36	<=34.77	Pass		
			13	22.44	0.42	20.71	<=34.77	Pass		
			25	22.18	0.42	20.45	<=34.77	Pass		
	50		0	22.14	0.42	20.41	<=34.77	Pass		
	711		1	0	23.35	0.42	21.62	<=34.77	Pass	
				25	24.45	0.42	22.72	<=34.77	Pass	
49				22.37	0.42	20.64	<=34.77	Pass		
25			0	22.19	0.42	20.46	<=34.77	Pass		
			13	22.49	0.42	20.76	<=34.77	Pass		
			25	22.24	0.42	20.51	<=34.77	Pass		
50			0	22.19	0.42	20.46	<=34.77	Pass		

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 B17_5MHz

2.1.1 Test Result

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	-5.550	-0.0079	-2.5 to 2.5	Pass
					3.85	-3.433	-0.0049	-2.5 to 2.5	Pass
					4.43	-5.493	-0.0078	-2.5 to 2.5	Pass
				-30	3.85	-2.947	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-6.638	-0.0094	-2.5 to 2.5	Pass
				-10	3.85	-8.111	-0.0115	-2.5 to 2.5	Pass
				0	3.85	-7.696	-0.0109	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-4.721	-0.0067	-2.5 to 2.5	Pass
	50	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-4.177	-0.0059	-2.5 to 2.5	Pass
					3.85	-8.154	-0.0115	-2.5 to 2.5	Pass
					4.43	-4.721	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-2.961	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-2.031	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-8.140	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-7.038	-0.0099	-2.5 to 2.5	Pass
	50	3.85	7.811	0.0110	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-8.526	-0.0119	-2.5 to 2.5	Pass
					3.85	-7.725	-0.0108	-2.5 to 2.5	Pass
					4.43	-7.925	-0.0111	-2.5 to 2.5	Pass
				-30	3.85	-7.839	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-8.268	-0.0116	-2.5 to 2.5	Pass
				-10	3.85	-10.972	-0.0154	-2.5 to 2.5	Pass
				0	3.85	-8.340	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
30				3.85	-7.353	-0.0103	-2.5 to 2.5	Pass	
40				3.85	-9.255	-0.0130	-2.5 to 2.5	Pass	
50	3.85	-8.368	-0.0117	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	-5.107	-0.0072	-2.5 to 2.5	Pass
					3.85	-5.393	-0.0076	-2.5 to 2.5	Pass
					4.43	-6.967	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-5.379	-0.0076	-2.5 to 2.5	Pass
				-20	3.85	-9.270	-0.0131	-2.5 to 2.5	Pass
				-10	3.85	-4.120	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-6.051	-0.0086	-2.5 to 2.5	Pass
				10	3.85	-8.125	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-7.768	-0.0110	-2.5 to 2.5	Pass
				40	3.85	-4.492	-0.0064	-2.5 to 2.5	Pass
	50	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-9.127	-0.0129	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0084	-2.5 to 2.5	Pass
					4.43	-2.332	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-5.493	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-2.761	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-11.330	-0.0160	-2.5 to 2.5	Pass
				0	3.85	-7.896	-0.0111	-2.5 to 2.5	Pass
				10	3.85	-3.777	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-5.679	-0.0080	-2.5 to 2.5	Pass
40				3.85	-5.565	-0.0078	-2.5 to 2.5	Pass	

	713.5	25	0	50	3.85	-2.775	-0.0039	-2.5 to 2.5	Pass
				20	3.27	-5.450	-0.0076	-2.5 to 2.5	Pass
					3.85	-9.685	-0.0136	-2.5 to 2.5	Pass
					4.43	-6.566	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-8.326	-0.0117	-2.5 to 2.5	Pass
				-20	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-9.427	-0.0132	-2.5 to 2.5	Pass
				0	3.85	-6.881	-0.0096	-2.5 to 2.5	Pass
				10	3.85	-10.400	-0.0146	-2.5 to 2.5	Pass
				30	3.85	-6.967	-0.0098	-2.5 to 2.5	Pass
				40	3.85	-5.465	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-8.383	-0.0117	-2.5 to 2.5	Pass

2.2 B17_10MHz

2.2.1 Test Result

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	-7.296	-0.0103	-2.5 to 2.5	Pass
					3.85	-6.266	-0.0088	-2.5 to 2.5	Pass
					4.43	-7.195	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
				-10	3.85	-4.306	-0.0061	-2.5 to 2.5	Pass
				0	3.85	-6.223	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0085	-2.5 to 2.5	Pass
				30	3.85	-5.050	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-5.350	-0.0075	-2.5 to 2.5	Pass
				50	3.85	-6.094	-0.0086	-2.5 to 2.5	Pass
				710	50	0	20	3.27	-3.119
	3.85	-9.727	-0.0137					-2.5 to 2.5	Pass
	4.43	-4.921	-0.0069					-2.5 to 2.5	Pass
	-30	3.85	-8.726				-0.0123	-2.5 to 2.5	Pass
	-20	3.85	-3.891				-0.0055	-2.5 to 2.5	Pass
	-10	3.85	-6.108				-0.0086	-2.5 to 2.5	Pass
	0	3.85	-2.432				-0.0034	-2.5 to 2.5	Pass
	10	3.85	-4.106				-0.0058	-2.5 to 2.5	Pass
	30	3.85	-5.193				-0.0073	-2.5 to 2.5	Pass
	40	3.85	-6.909				-0.0097	-2.5 to 2.5	Pass
	50	3.85	-5.450				-0.0077	-2.5 to 2.5	Pass
	711	50	0				20	3.27	-6.022
				3.85	-3.662	-0.0052		-2.5 to 2.5	Pass
				4.43	-6.380	-0.0090		-2.5 to 2.5	Pass
				-30	3.85	-8.454	-0.0119	-2.5 to 2.5	Pass
				-20	3.85	-5.007	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-5.078	-0.0071	-2.5 to 2.5	Pass
30				3.85	-9.699	-0.0136	-2.5 to 2.5	Pass	
40				3.85	-5.136	-0.0072	-2.5 to 2.5	Pass	
50				3.85	-4.749	-0.0067	-2.5 to 2.5	Pass	
16QAM				709	50	0	20	3.27	-8.540
	3.85	-7.281	-0.0103					-2.5 to 2.5	Pass

					4.43	-1.559	-0.0022	-2.5 to 2.5	Pass			
				-30	3.85	-6.380	-0.0090	-2.5 to 2.5	Pass			
				-20	3.85	-4.635	-0.0065	-2.5 to 2.5	Pass			
				-10	3.85	-3.834	-0.0054	-2.5 to 2.5	Pass			
				0	3.85	-1.388	-0.0020	-2.5 to 2.5	Pass			
				10	3.85	-7.010	-0.0099	-2.5 to 2.5	Pass			
				30	3.85	-6.080	-0.0086	-2.5 to 2.5	Pass			
				40	3.85	-7.954	-0.0112	-2.5 to 2.5	Pass			
				50	3.85	-4.892	-0.0069	-2.5 to 2.5	Pass			
	710	50	0	20	3.27	-6.409	-0.0090	-2.5 to 2.5	Pass			
								3.85	-4.578	-0.0064	-2.5 to 2.5	Pass
								4.43	1.001	0.0014	-2.5 to 2.5	Pass
							-30	3.85	-5.922	-0.0083	-2.5 to 2.5	Pass
							-20	3.85	-4.792	-0.0067	-2.5 to 2.5	Pass
							-10	3.85	-7.510	-0.0106	-2.5 to 2.5	Pass
							0	3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
							10	3.85	-4.621	-0.0065	-2.5 to 2.5	Pass
							30	3.85	-5.779	-0.0081	-2.5 to 2.5	Pass
							40	3.85	-7.396	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-5.279	-0.0074	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	-6.866	-0.0097	-2.5 to 2.5	Pass			
								3.85	-3.662	-0.0052	-2.5 to 2.5	Pass
								4.43	-4.034	-0.0057	-2.5 to 2.5	Pass
							-30	3.85	-5.794	-0.0081	-2.5 to 2.5	Pass
							-20	3.85	-9.885	-0.0139	-2.5 to 2.5	Pass
							-10	3.85	-8.297	-0.0117	-2.5 to 2.5	Pass
							0	3.85	-4.935	-0.0069	-2.5 to 2.5	Pass
							10	3.85	-5.593	-0.0079	-2.5 to 2.5	Pass
							30	3.85	-5.937	-0.0084	-2.5 to 2.5	Pass
							40	3.85	-6.852	-0.0096	-2.5 to 2.5	Pass
				50	3.85	-4.106	-0.0058	-2.5 to 2.5	Pass			

3. Modulation Characteristics

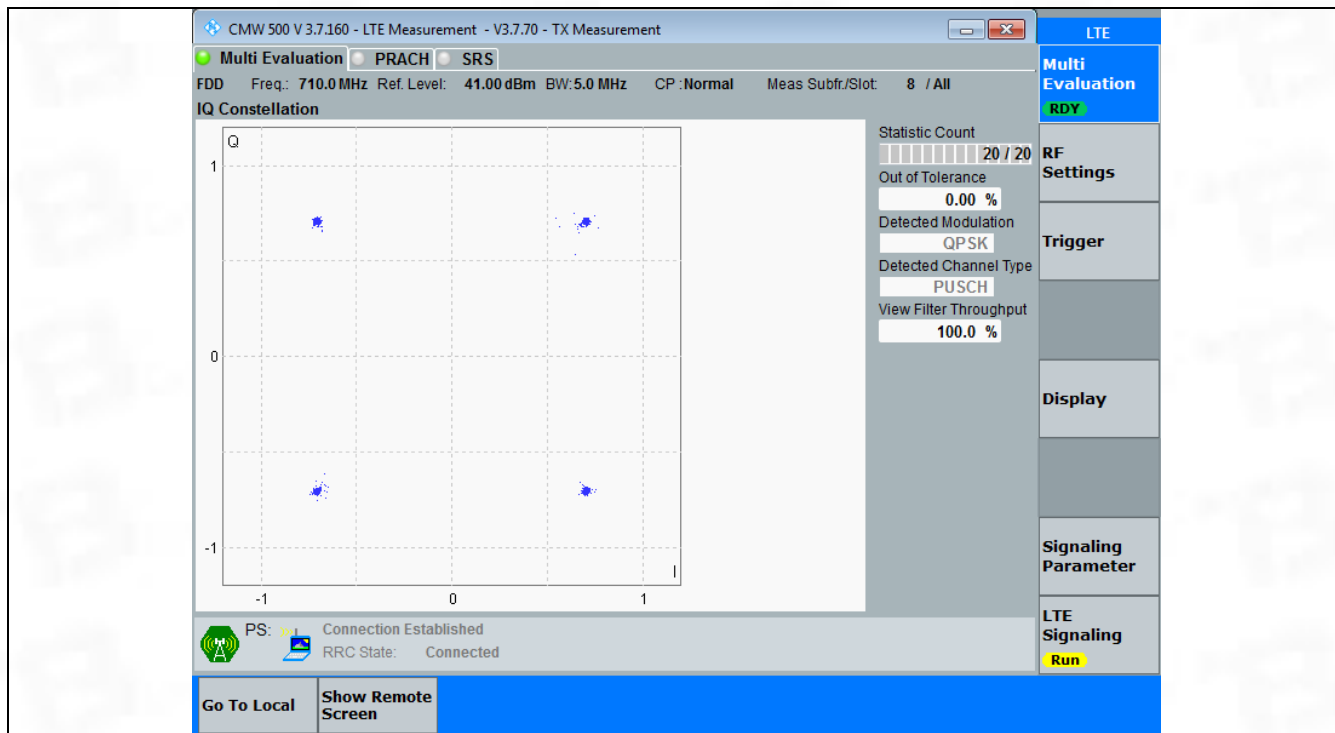
3.1 B17_5MHz

3.1.1 Test Result

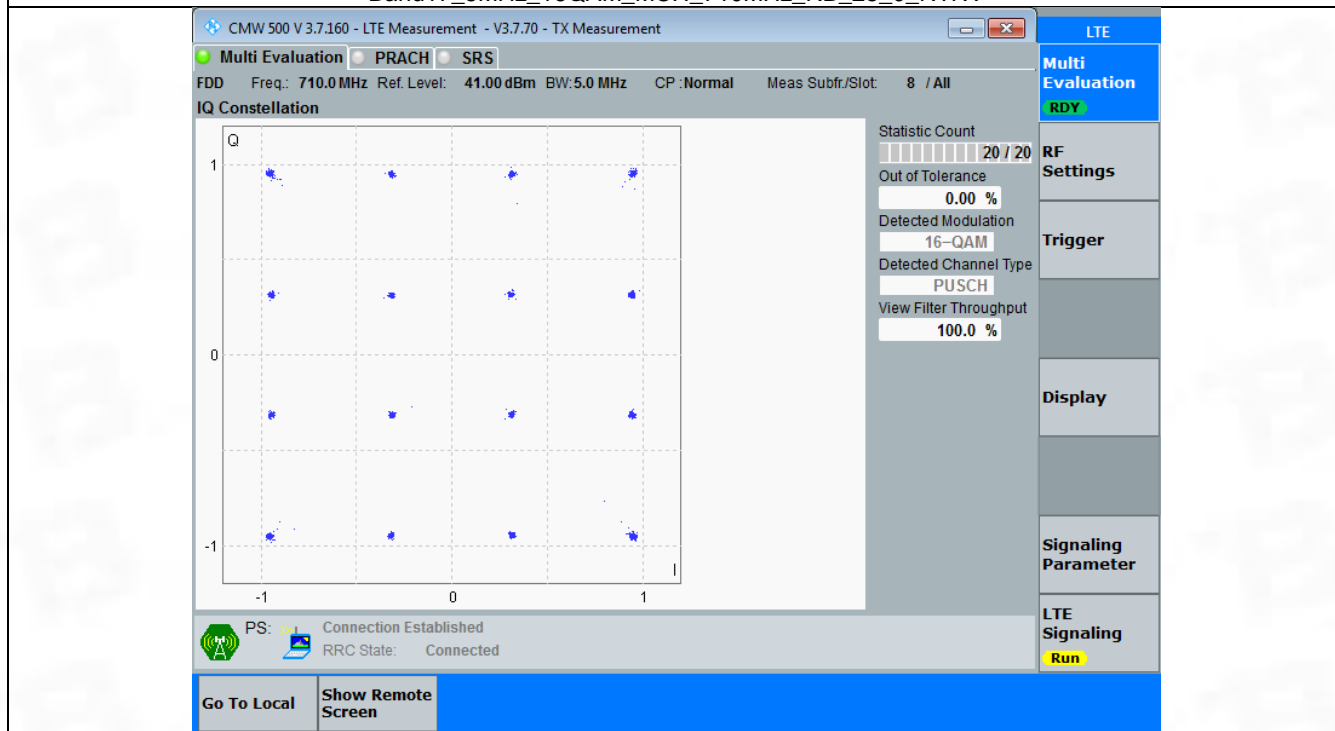
Band: 17 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTN



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

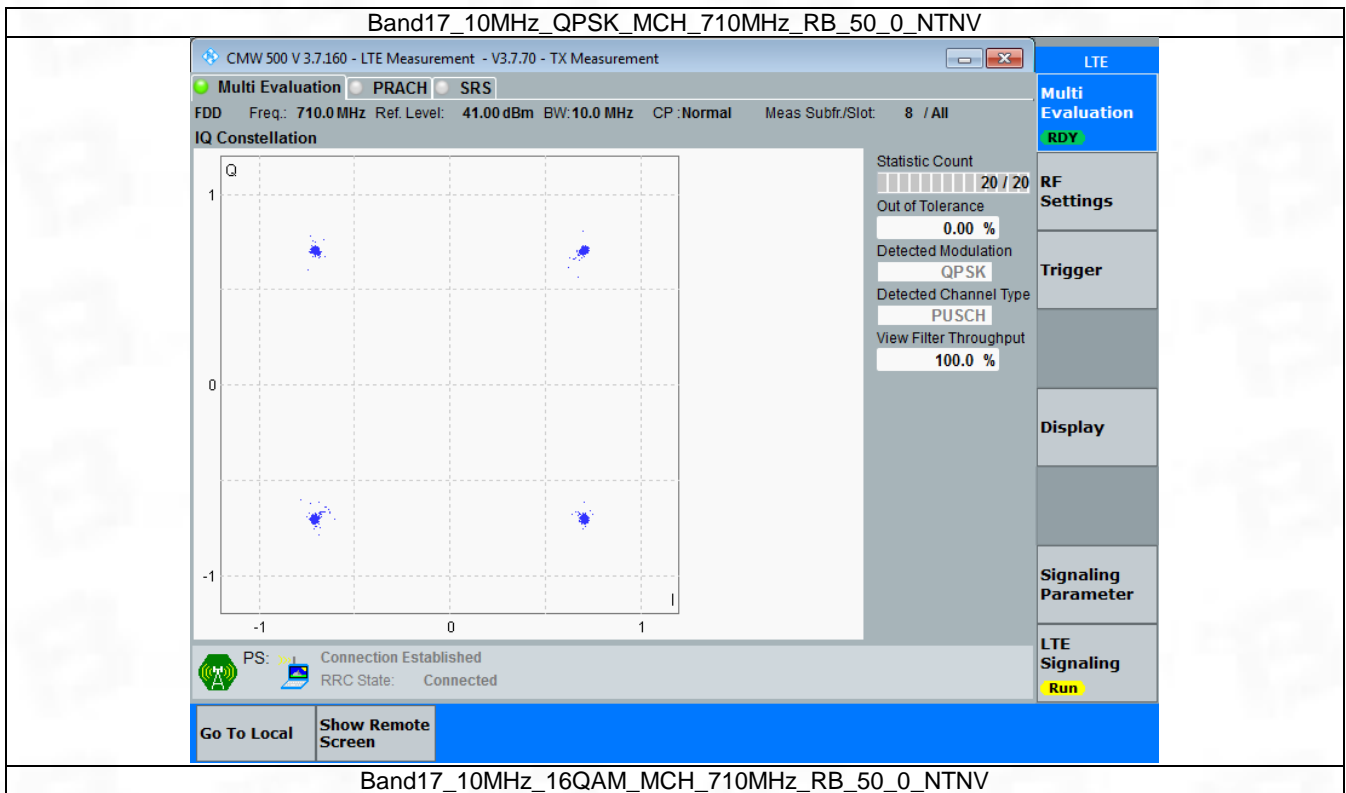


3.2 B17_10MHz

3.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV						
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

3.2.2 Test Graph



CMW 500 V 3.7.160 - LTE Measurement - V3.7.70 - TX Measurement

Multi Evaluation PRACH SRS

FDD Freq.: 710.0 MHz Ref. Level: 41.00 dBm BW: 10.0 MHz CP: Normal Meas Subfr./Slot: 8 / All

IQ Constellation

Statistic Count: 20 / 20

Out of Tolerance: 0.00 %

Detected Modulation: 16-QAM

Detected Channel Type: PUSCH

View Filter Throughput: 100.0 %

PS: Connection Established
RRC State: Connected

Go To Local Show Remote Screen

LTE

Multi Evaluation **RDY**

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling **Run**

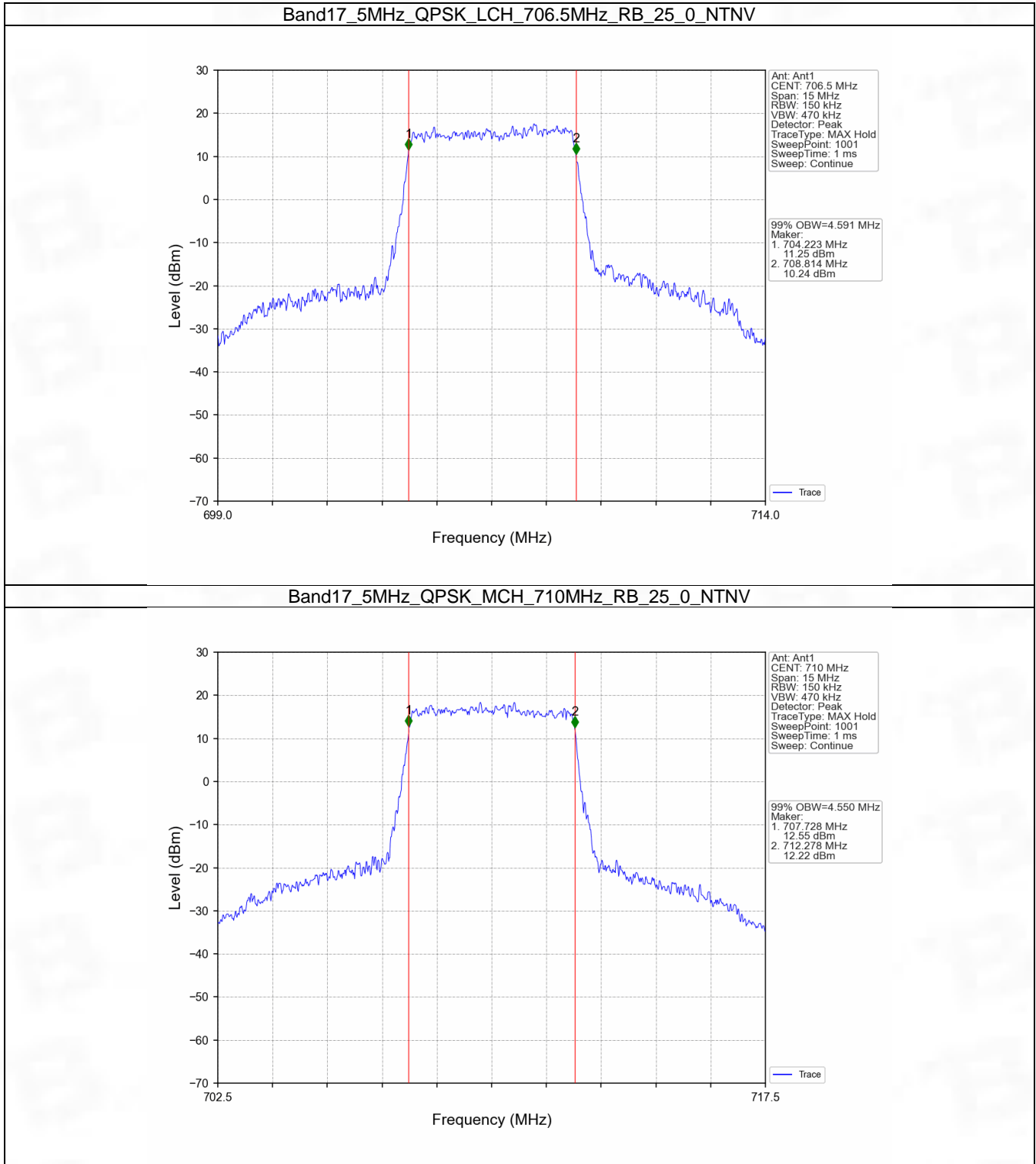
4. 99% & 26dB Bandwidth

4.1 Band17_OBW

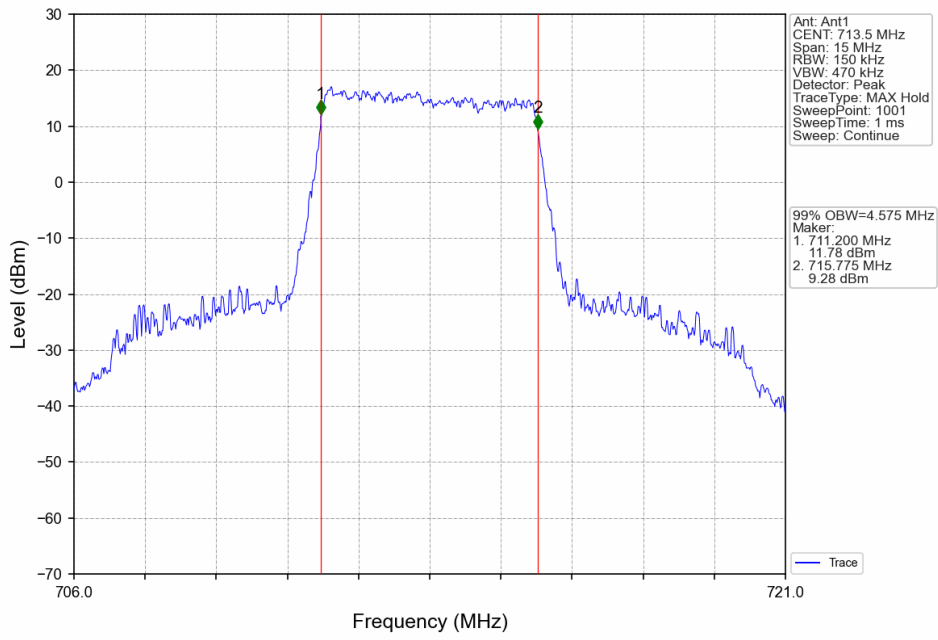
4.1.1 Test Result

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	4.591	/	Pass
		710	25	0	4.550	/	Pass
		713.5	25	0	4.575	/	Pass
	16QAM	706.5	25	0	4.574	/	Pass
		710	25	0	4.568	/	Pass
		713.5	25	0	4.611	/	Pass
10	QPSK	709	50	0	9.022	/	Pass
		710	50	0	9.005	/	Pass
		711	50	0	9.028	/	Pass
	16QAM	709	50	0	9.029	/	Pass
		710	50	0	9.007	/	Pass
		711	50	0	9.011	/	Pass

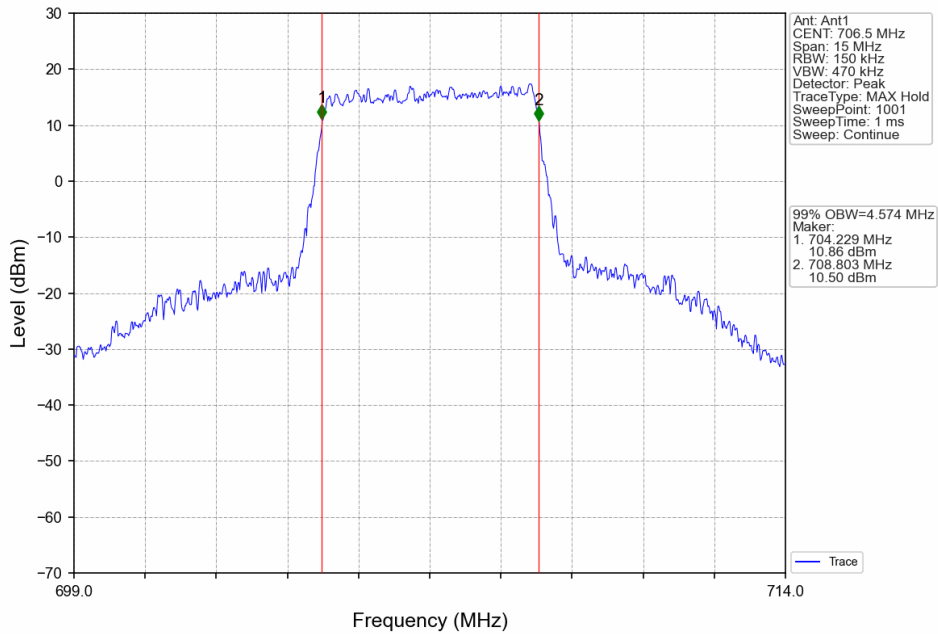
4.1.2 Test Graph



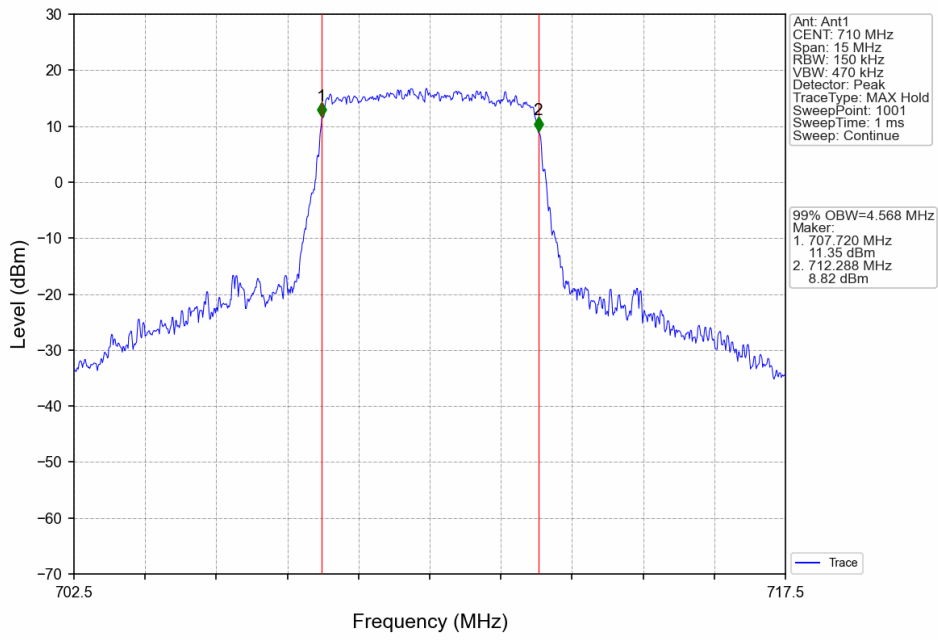
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



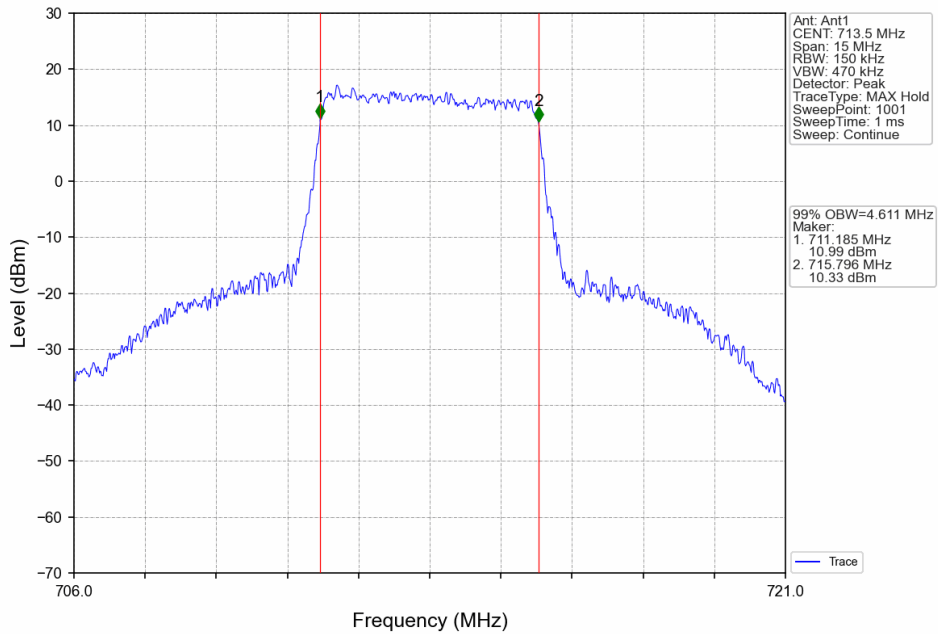
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



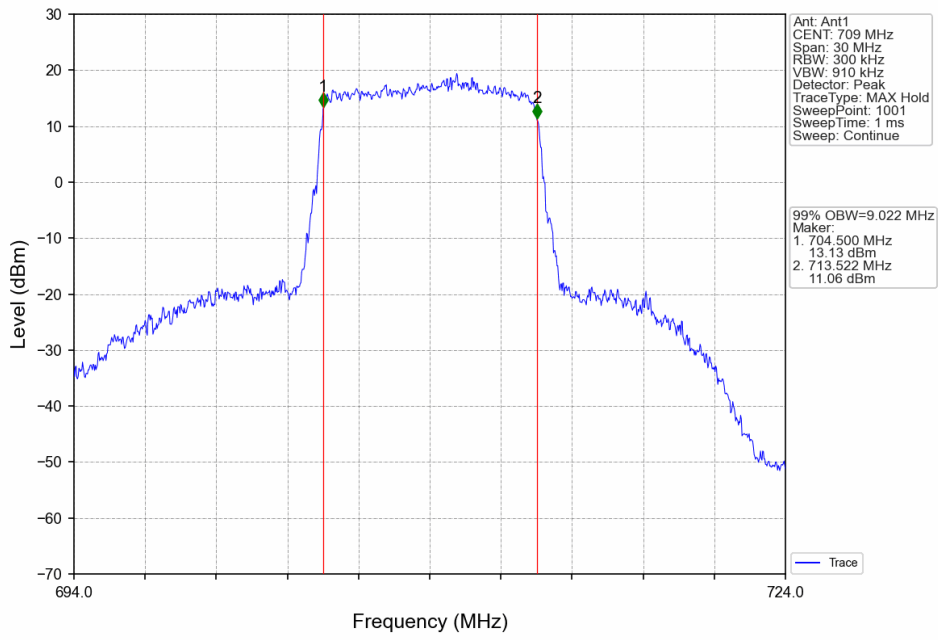
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



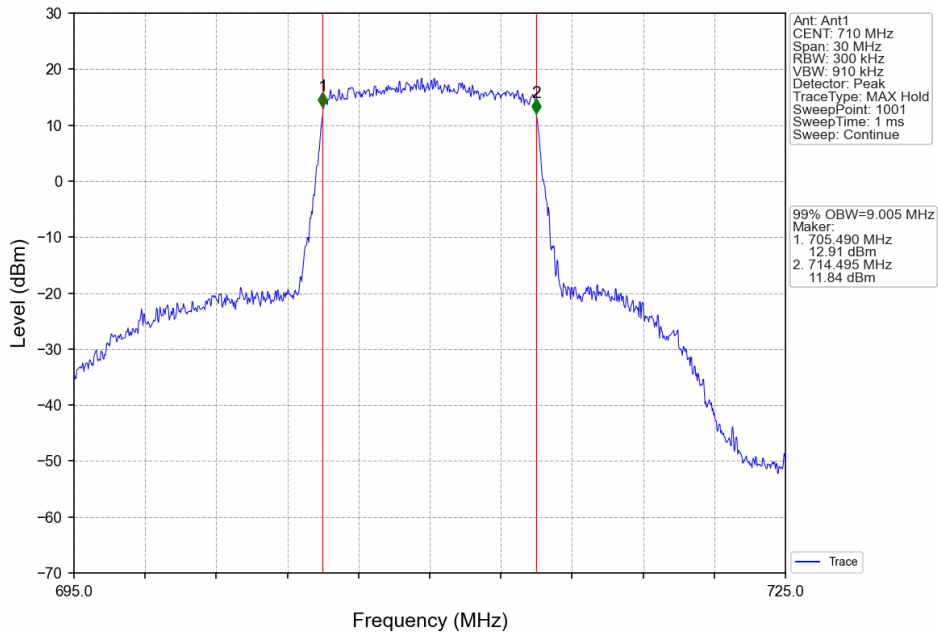
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



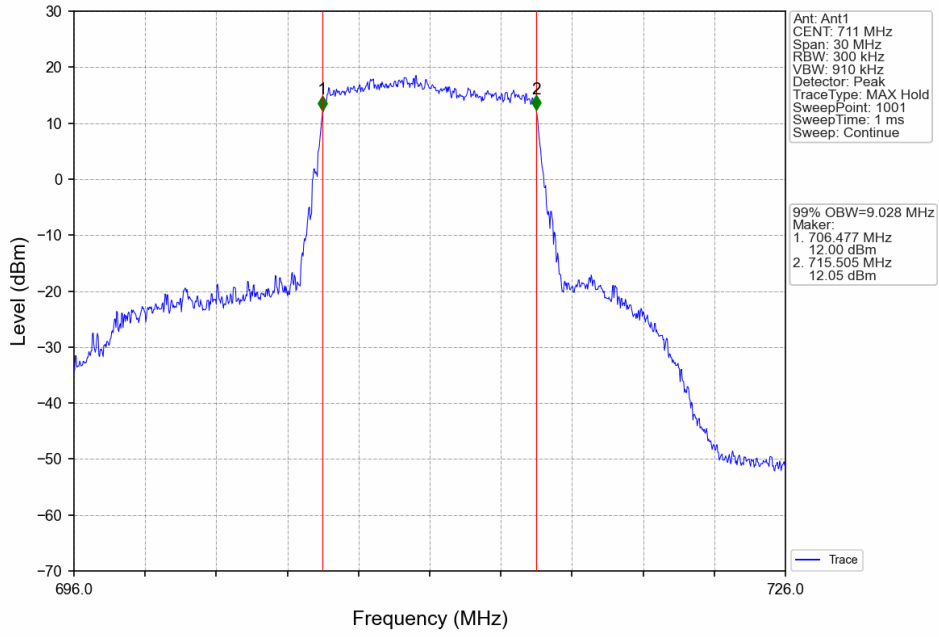
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



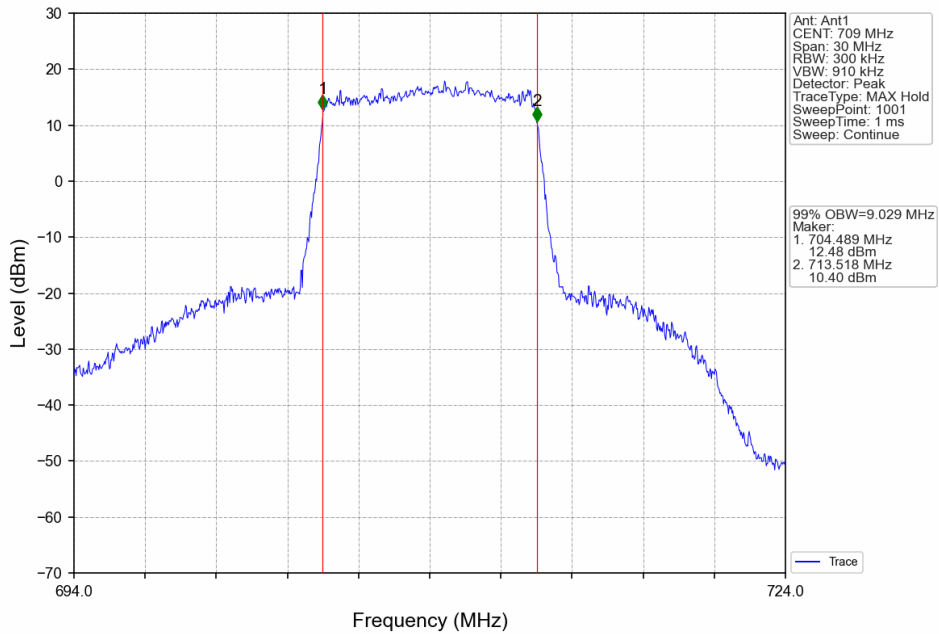
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



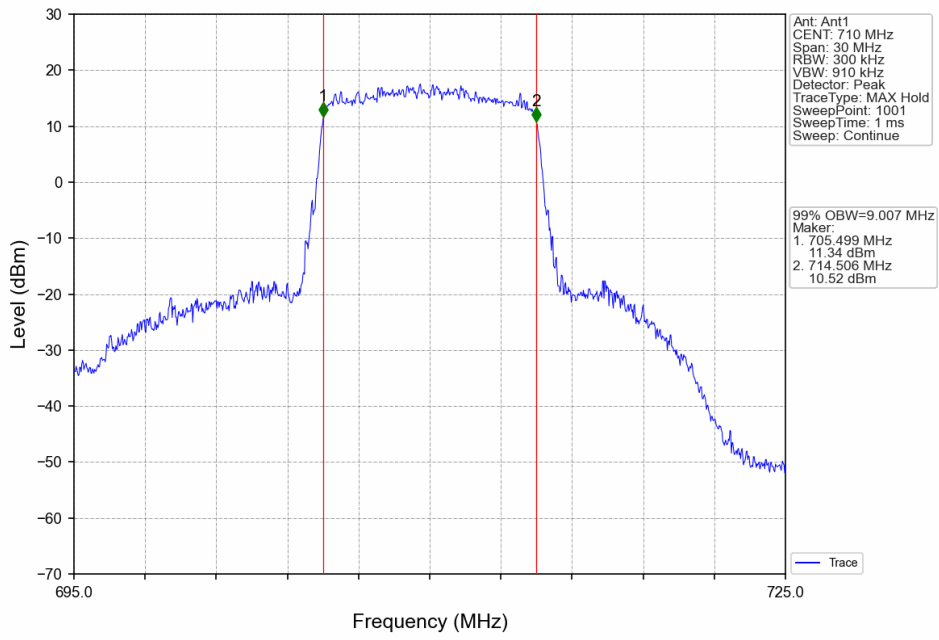
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



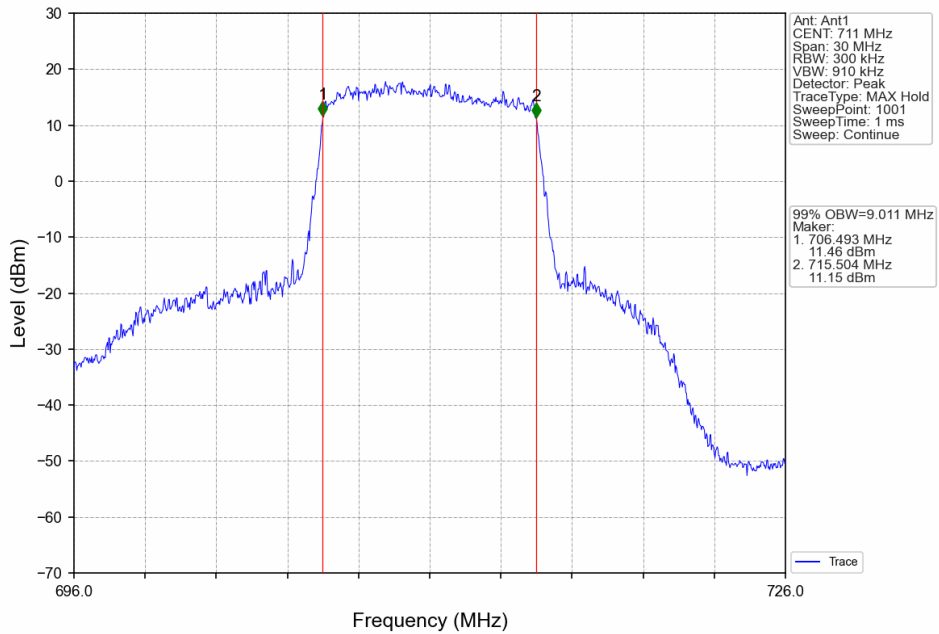
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

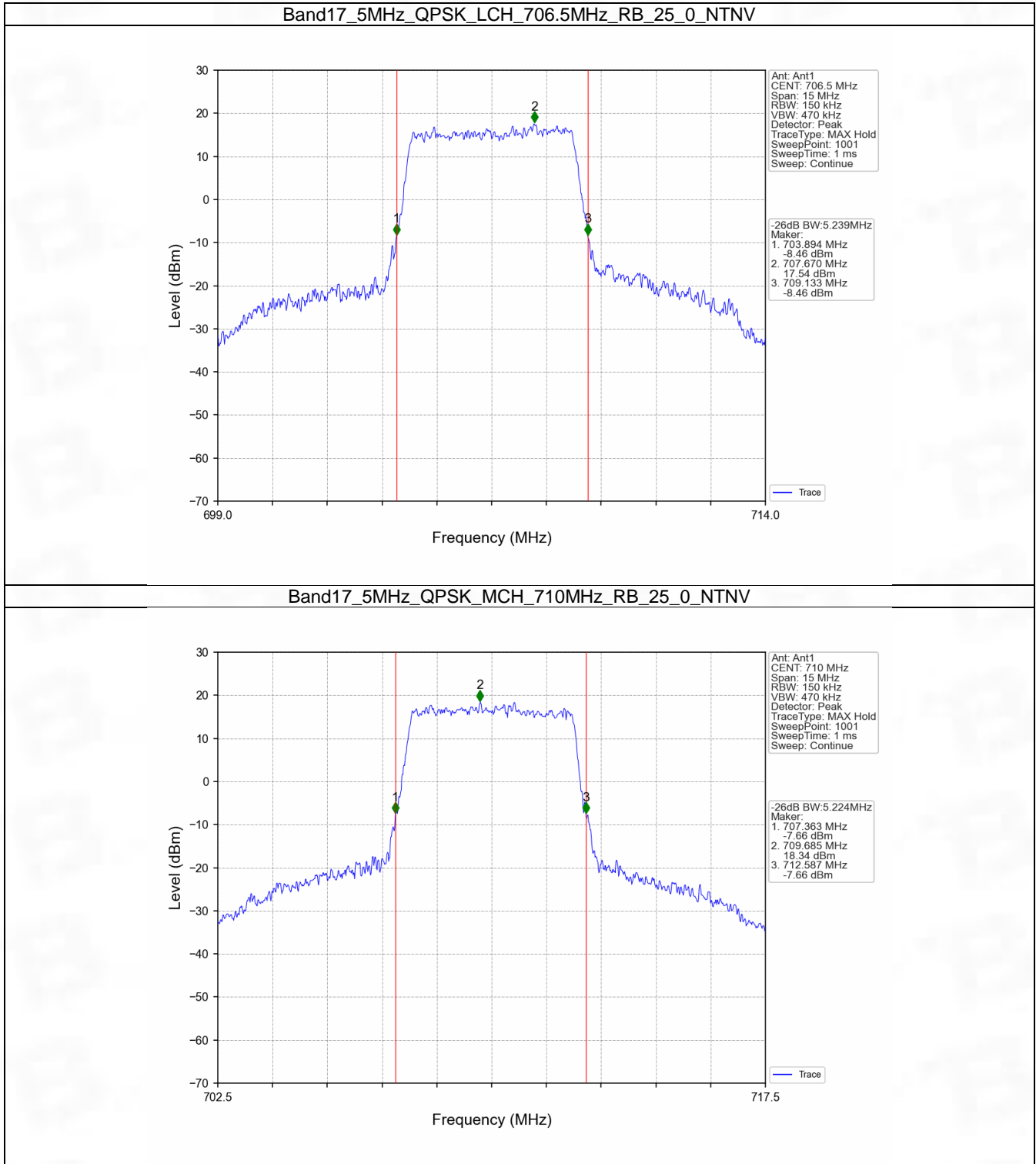


4.2 Band17_XDB

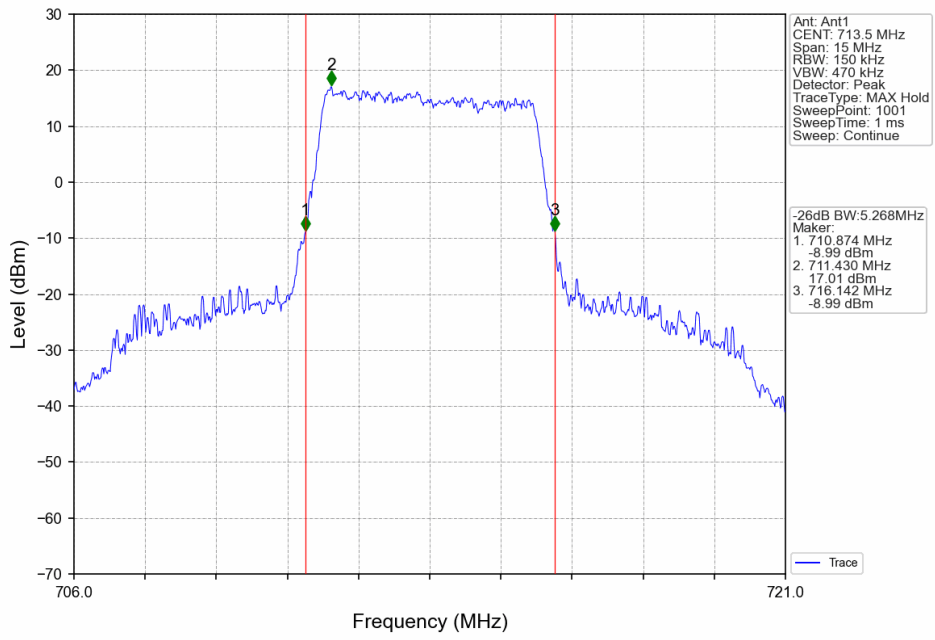
4.2.1 Test Result

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.239	/	Pass
		710	25	0	5.224	/	Pass
		713.5	25	0	5.268	/	Pass
	16QAM	706.5	25	0	5.314	/	Pass
		710	25	0	5.281	/	Pass
		713.5	25	0	5.266	/	Pass
10	QPSK	709	50	0	10.115	/	Pass
		710	50	0	10.115	/	Pass
		711	50	0	10.341	/	Pass
	16QAM	709	50	0	10.053	/	Pass
		710	50	0	10.120	/	Pass
		711	50	0	10.076	/	Pass

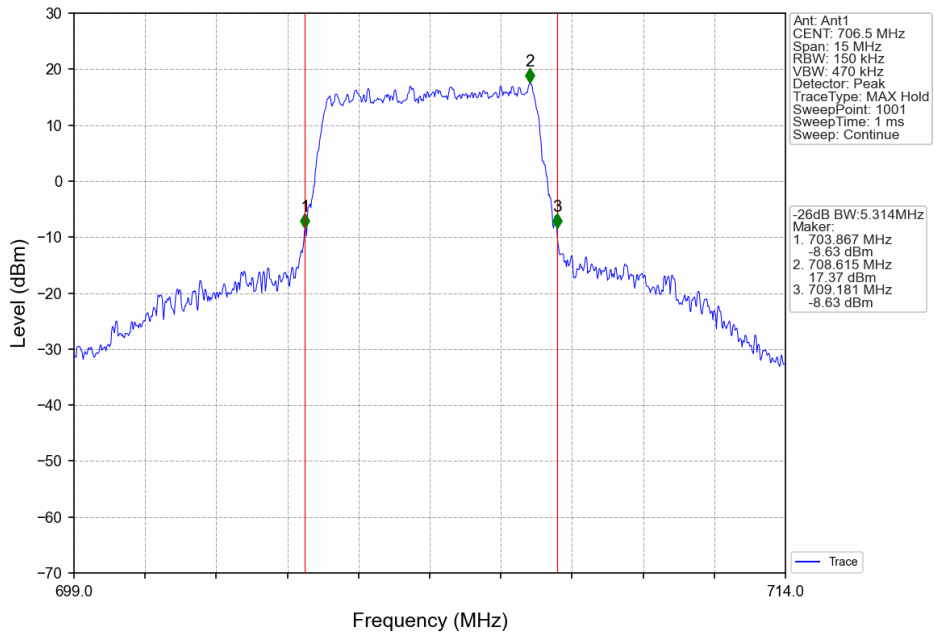
4.2.2 Test Graph



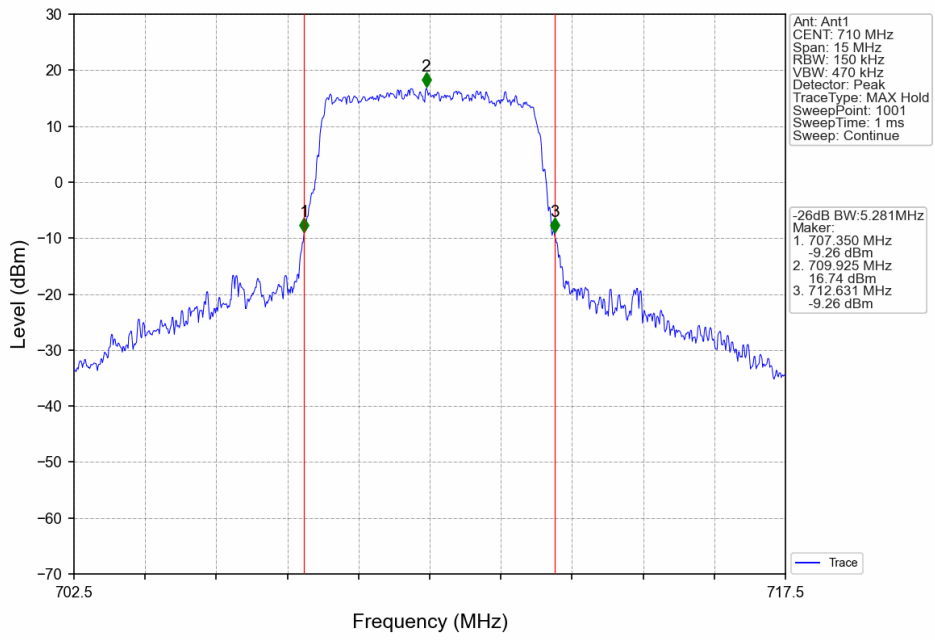
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



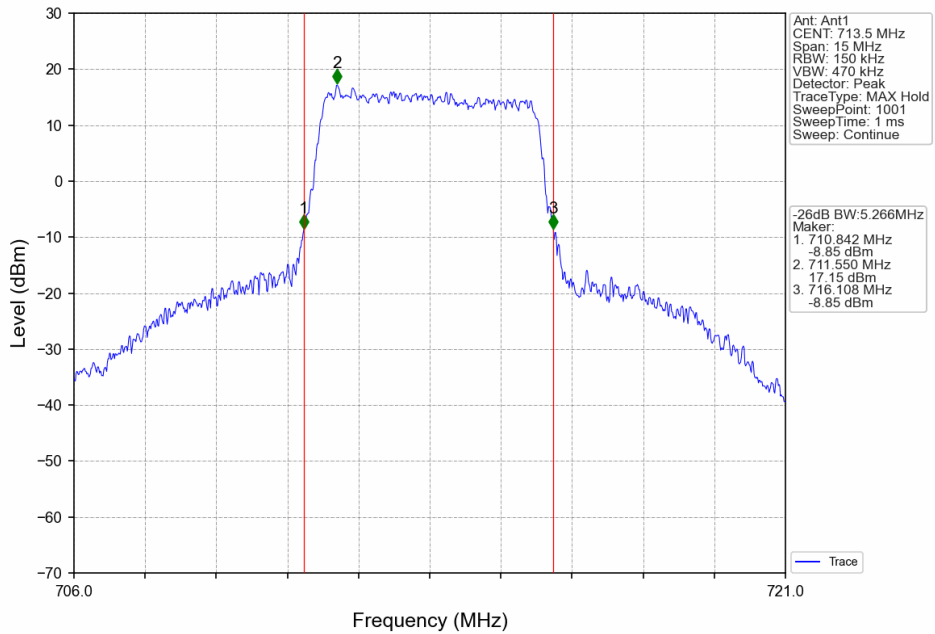
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



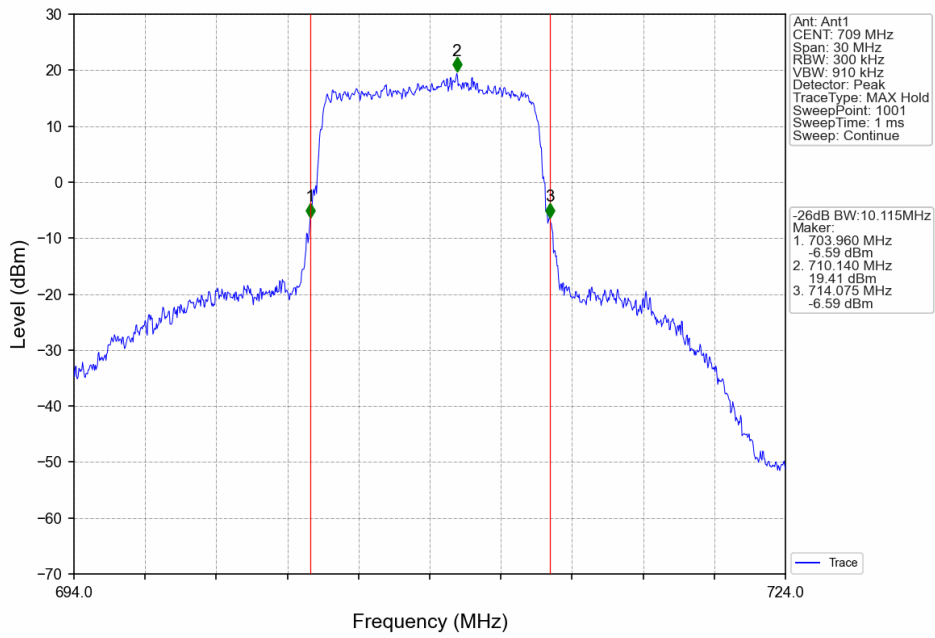
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



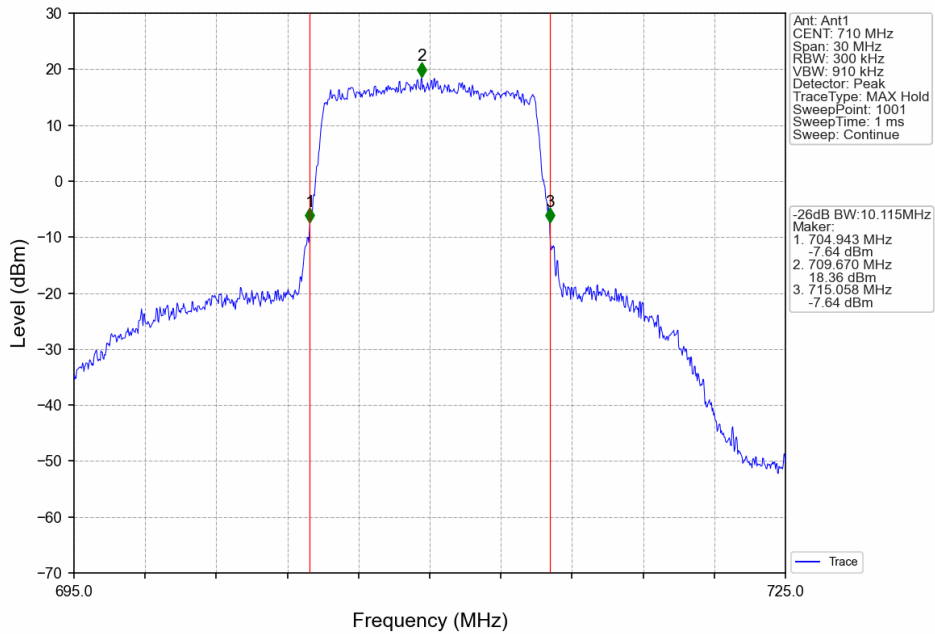
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



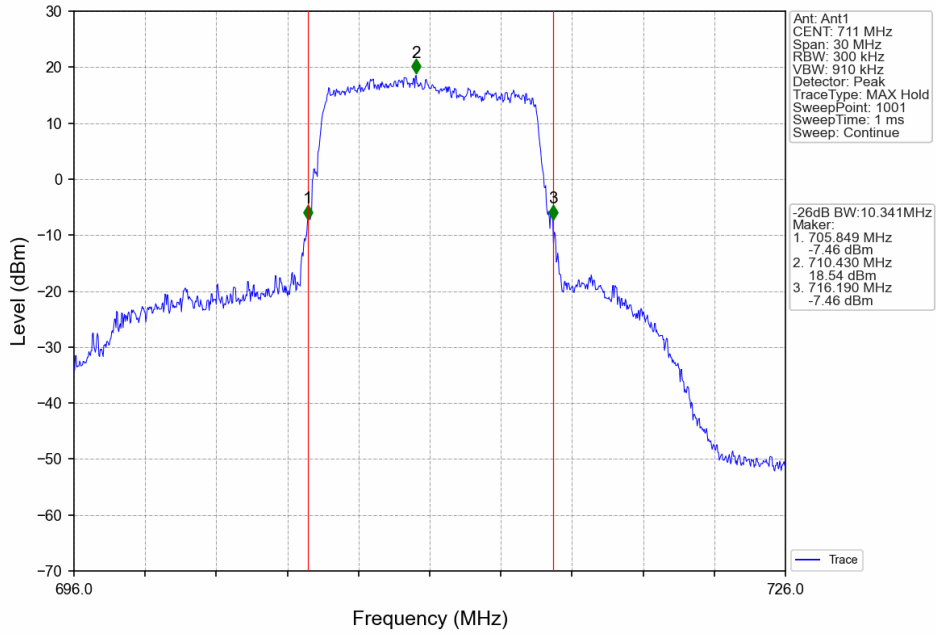
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



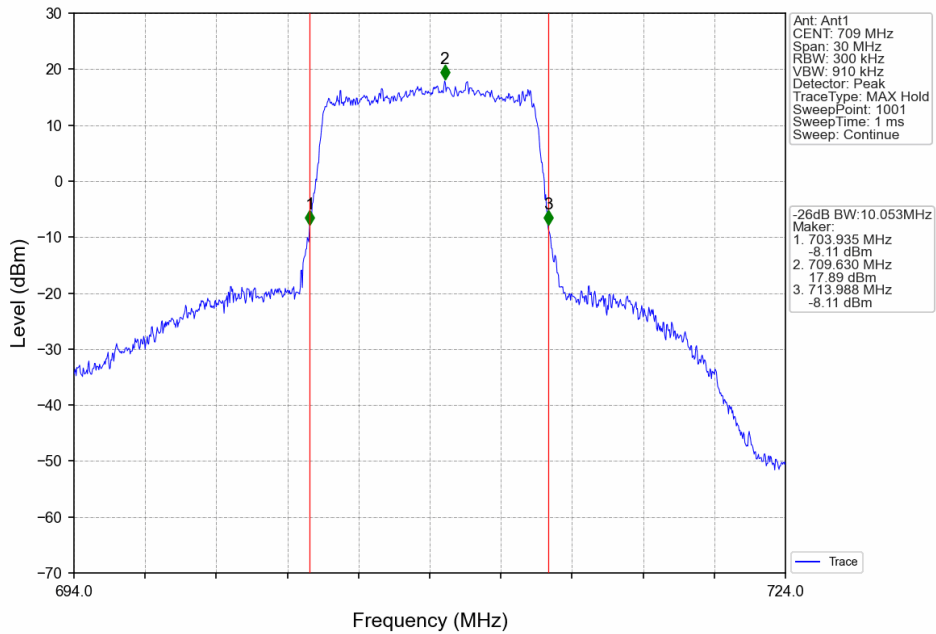
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



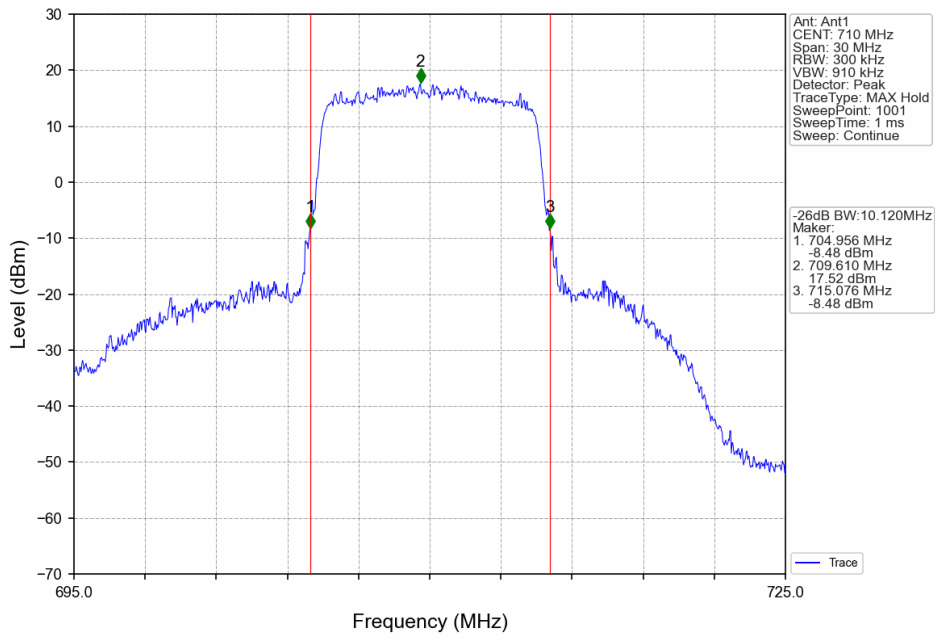
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



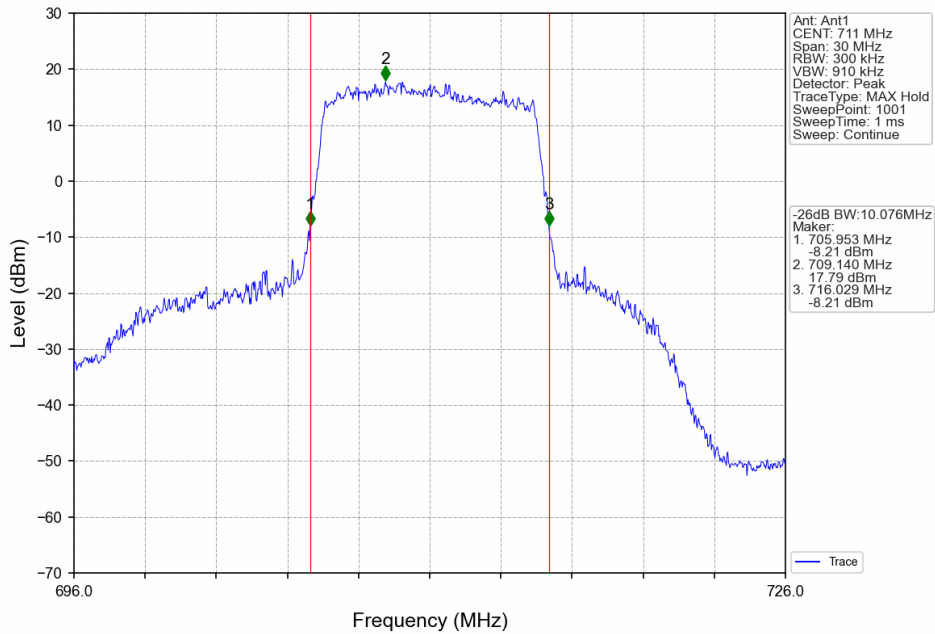
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



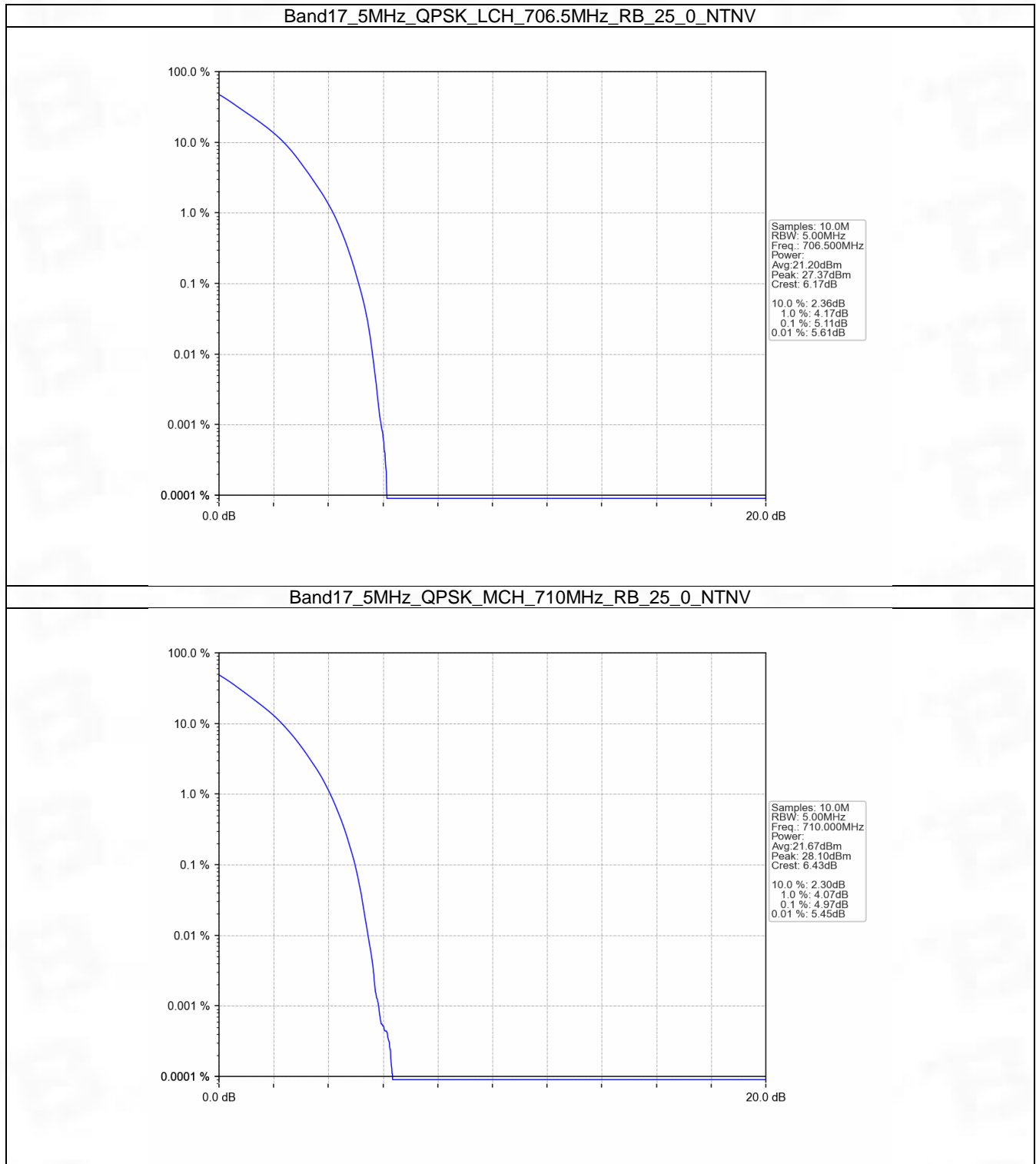
5. Peak-Average Ratio

5.1 B17_5MHz

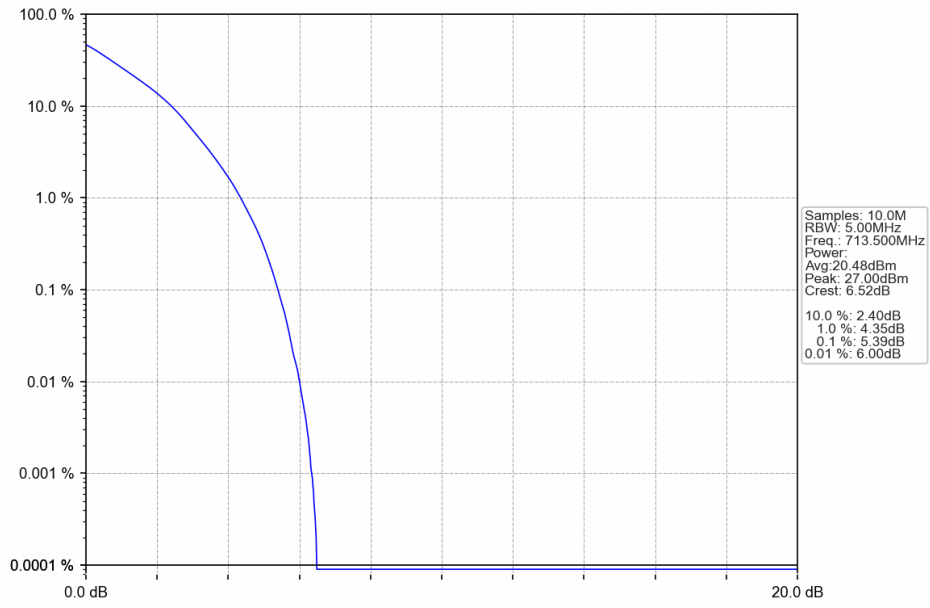
5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.11	<=13	Pass
	710	25	0	4.97	<=13	Pass
	713.5	25	0	5.39	<=13	Pass
16QAM	706.5	25	0	5.63	<=13	Pass
	710	25	0	5.74	<=13	Pass
	713.5	25	0	5.83	<=13	Pass

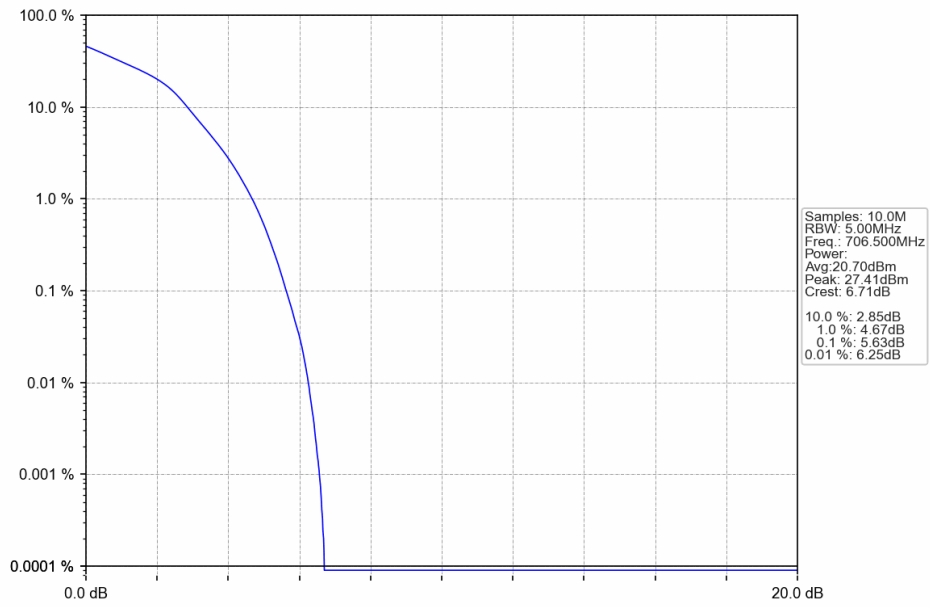
5.1.2 Test Graph



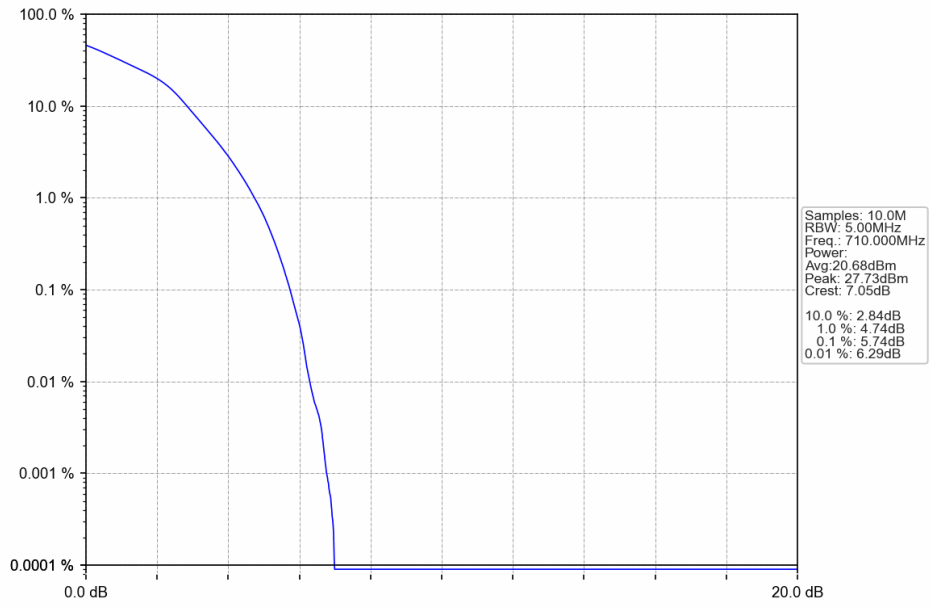
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



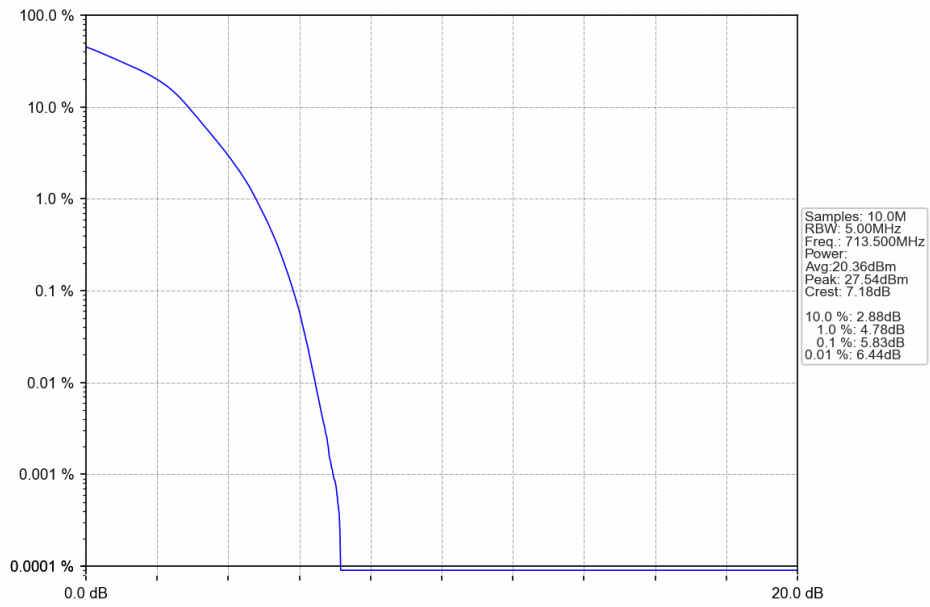
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

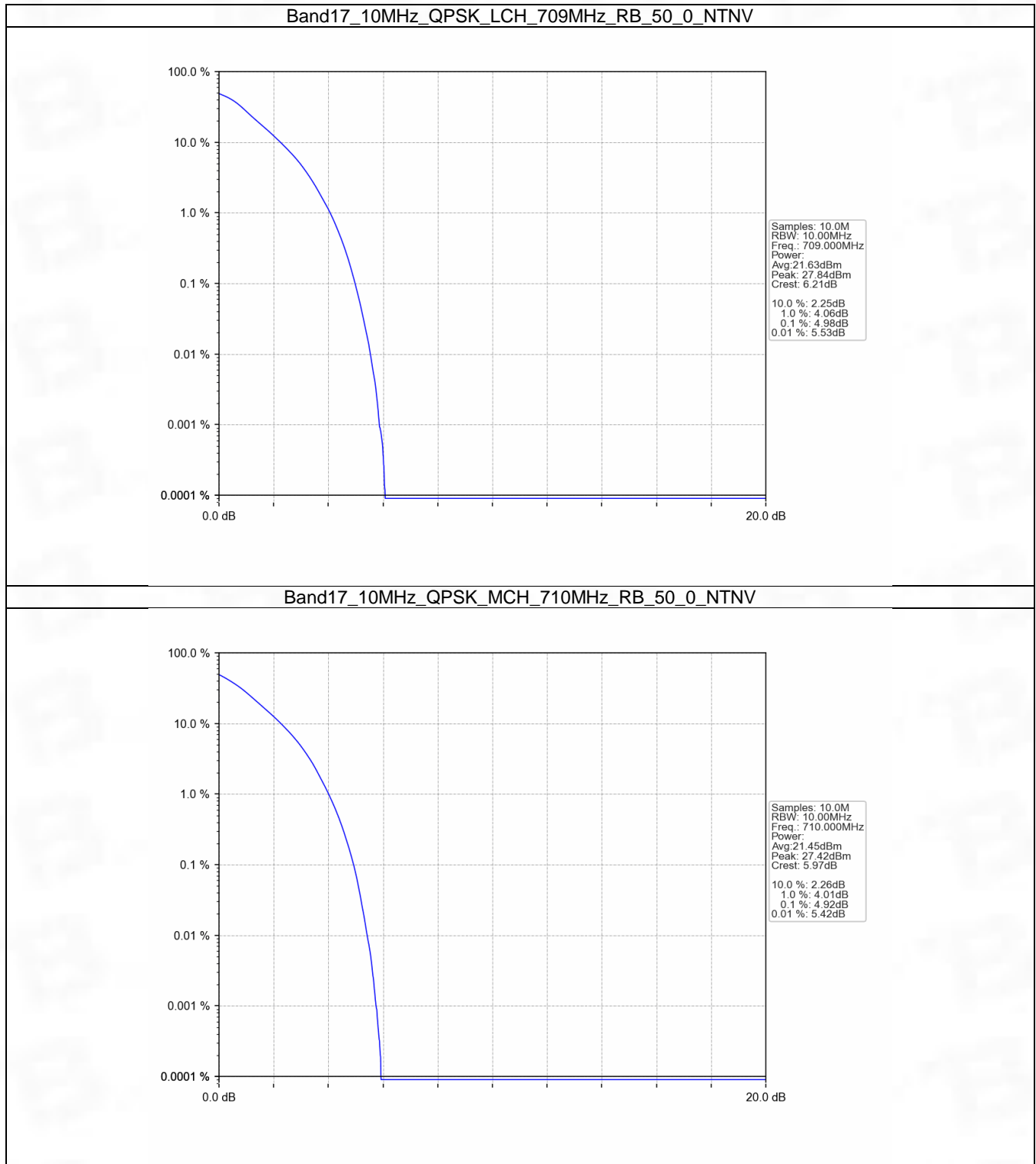


5.2 B17_10MHz

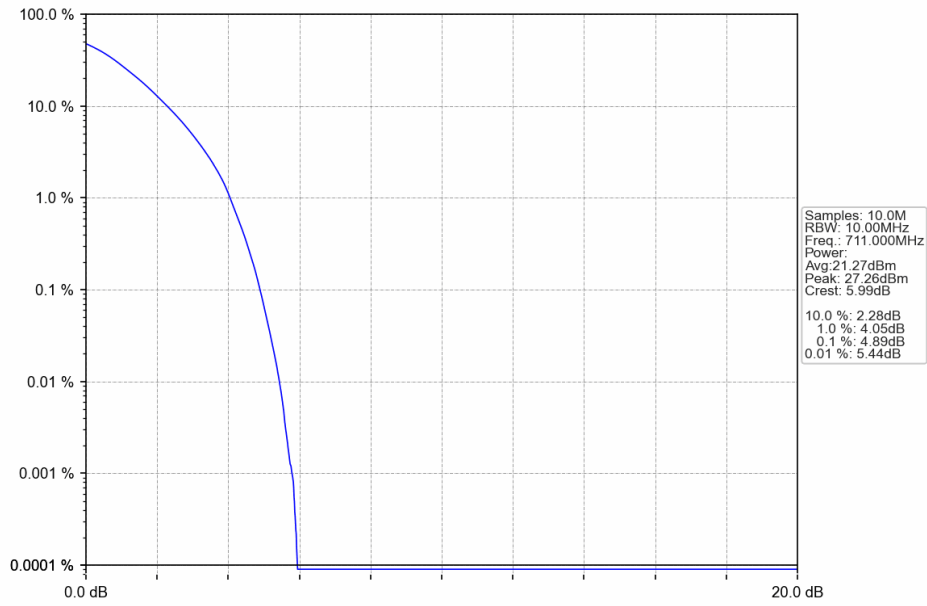
5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	4.98	<=13	Pass
	710	50	0	4.92	<=13	Pass
	711	50	0	4.89	<=13	Pass
16QAM	709	50	0	5.79	<=13	Pass
	710	50	0	5.74	<=13	Pass
	711	50	0	5.65	<=13	Pass

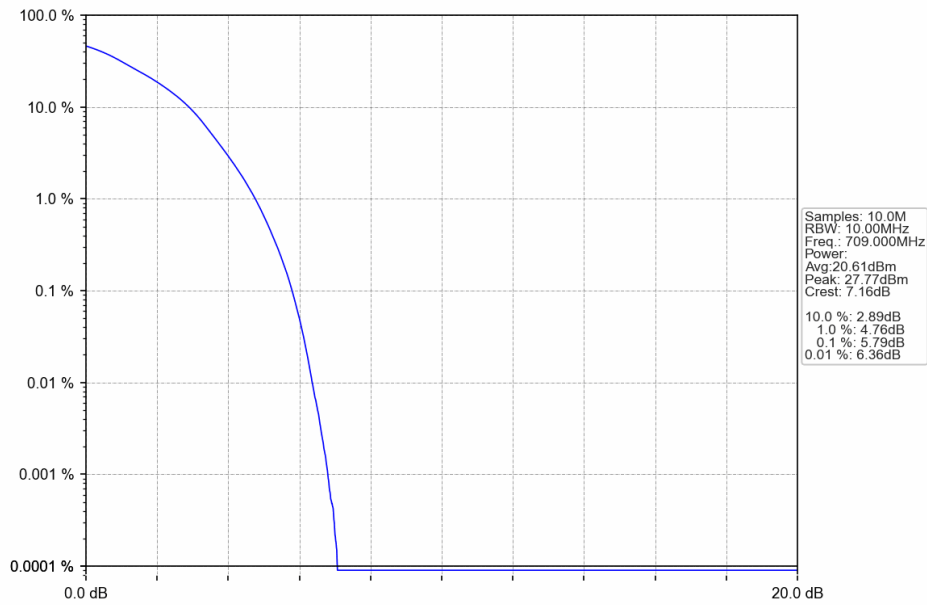
5.2.2 Test Graph



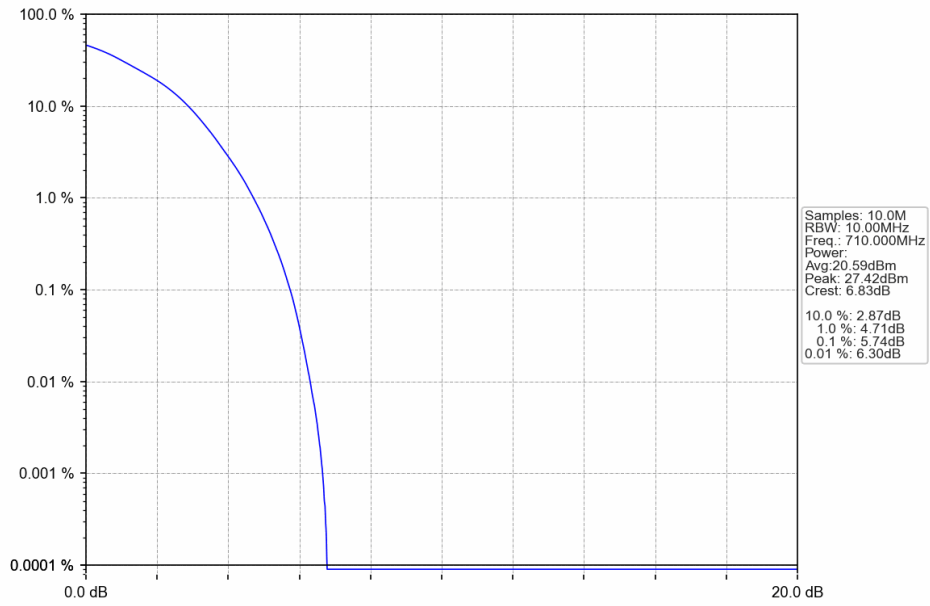
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



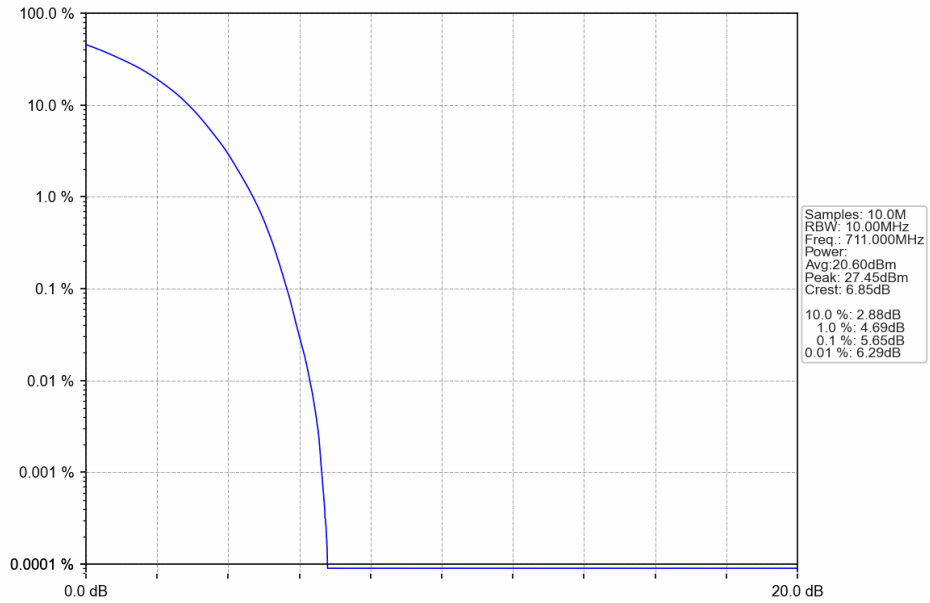
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



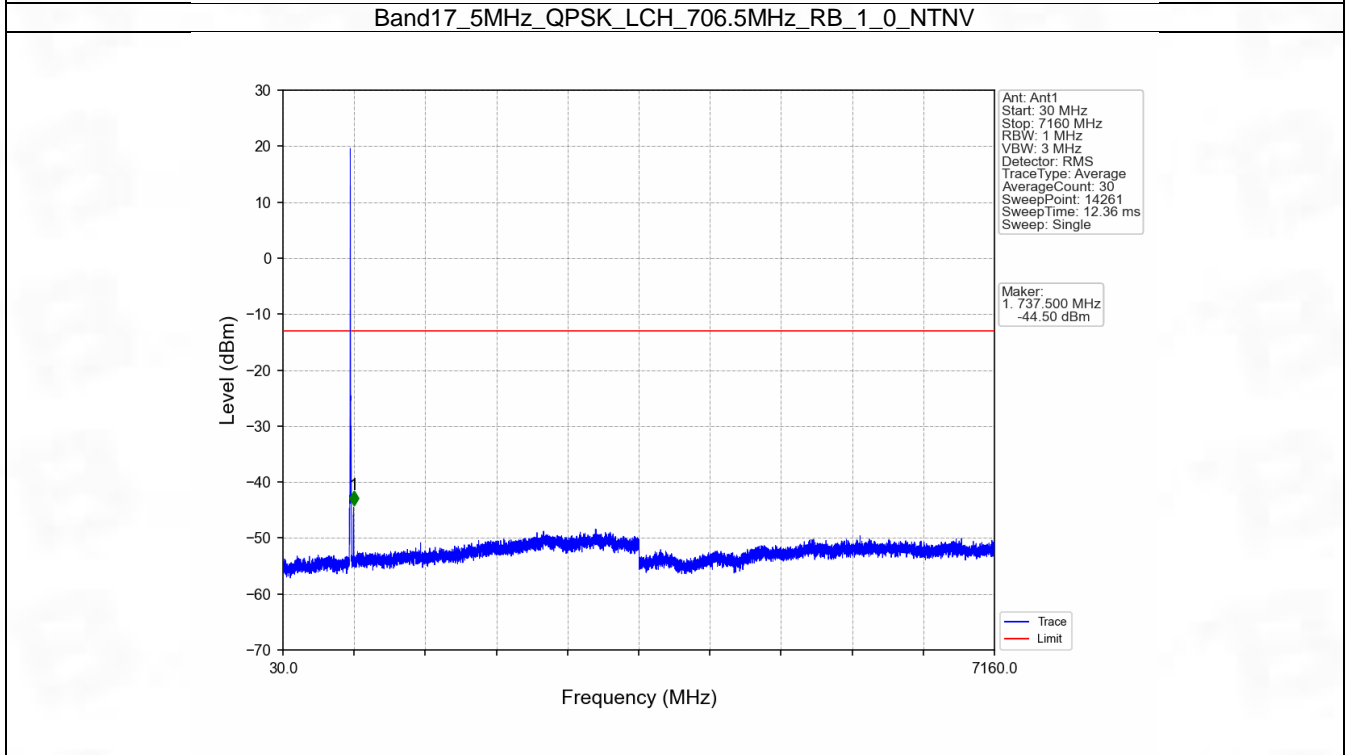
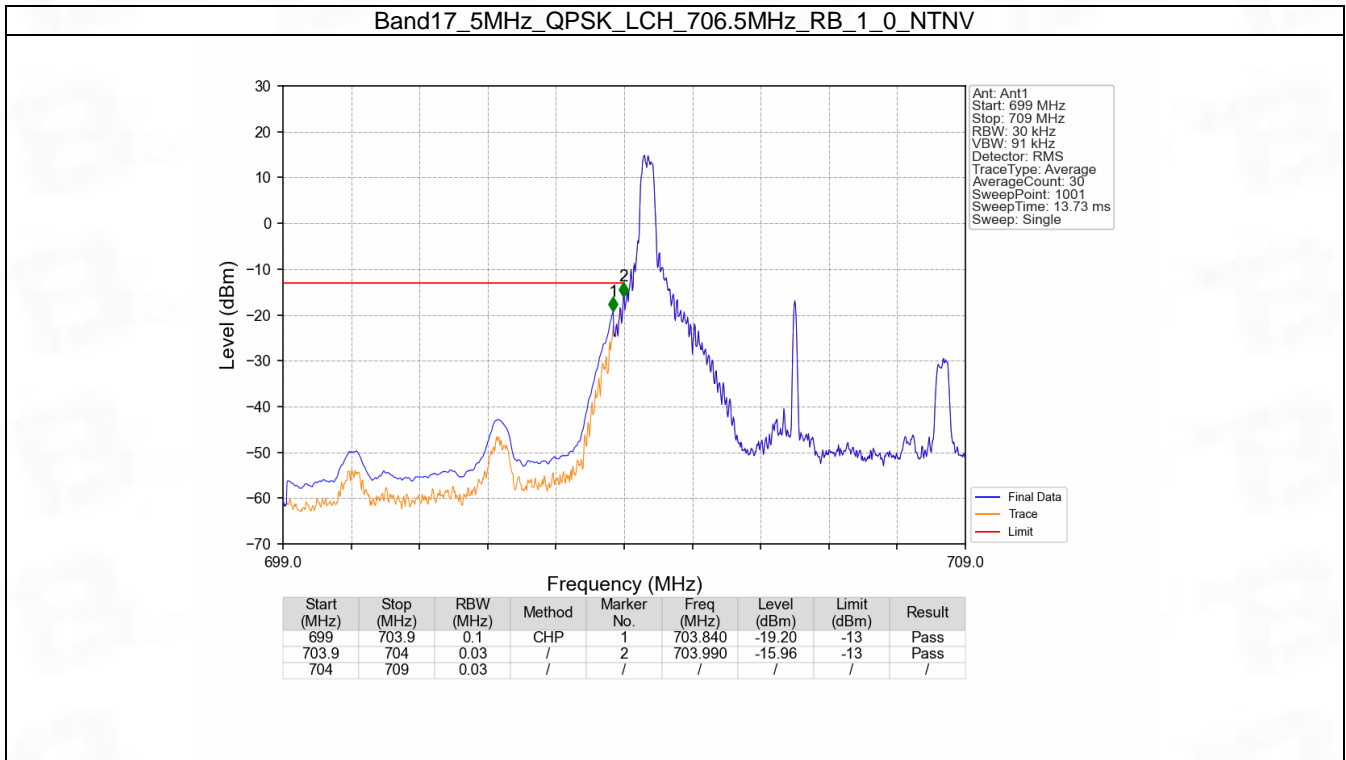
6. Spurious Emission

6.1 B17_5MHz

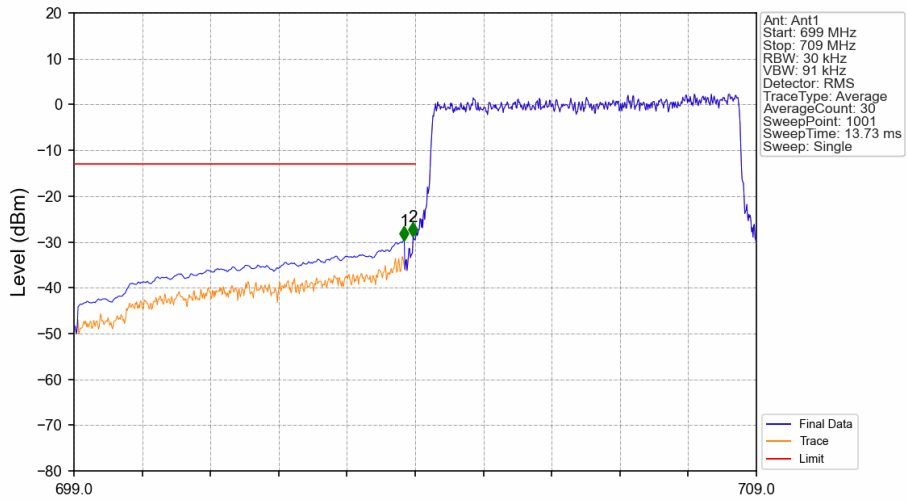
6.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
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
		1	0	Refer To Test Graph		Pass
	713.5	1	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
		1	0	Refer To Test Graph		Pass
	713.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 Test Graph

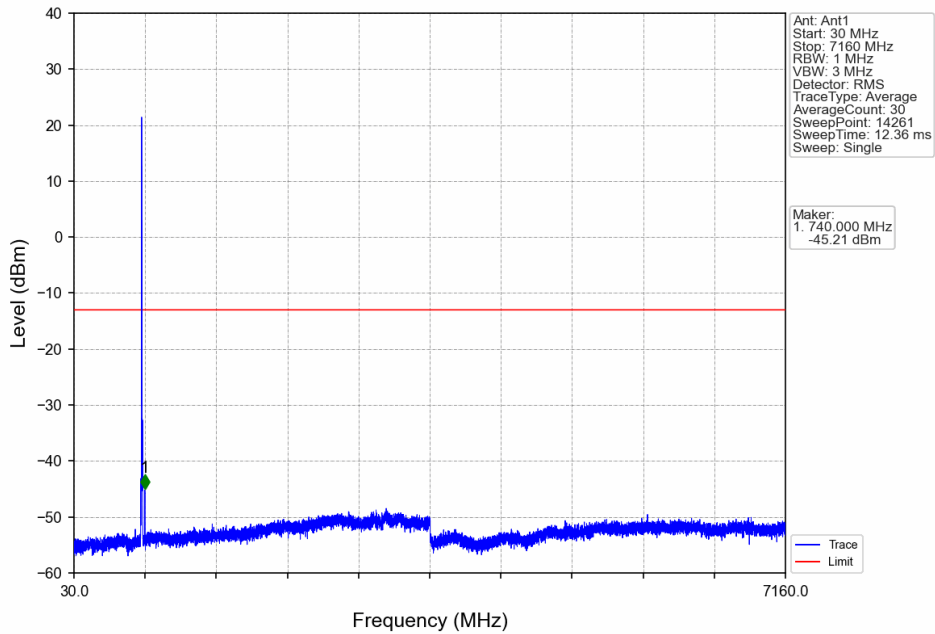


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

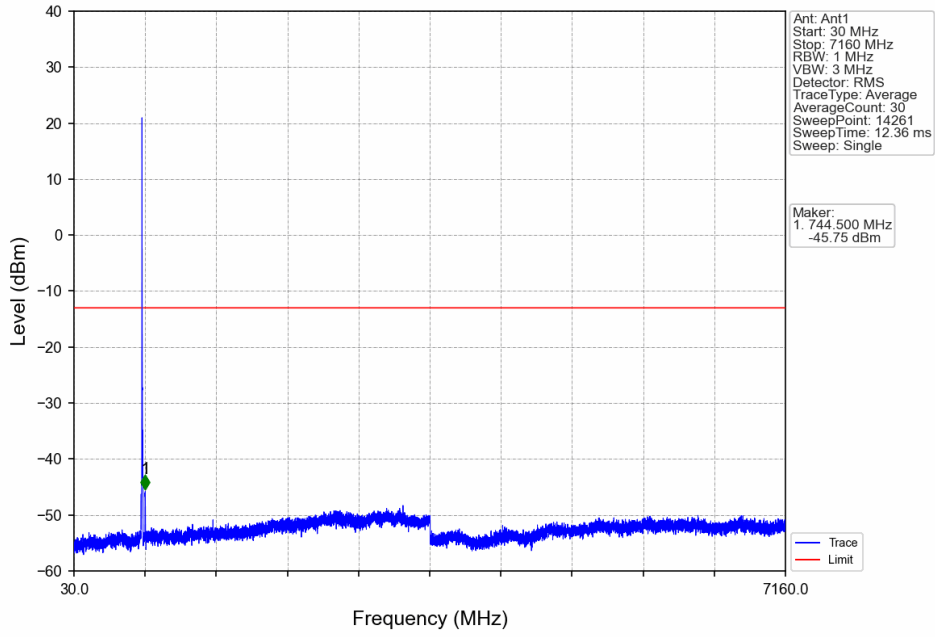


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-29.72	-13	Pass
703.9	704	0.03	/	2	703.970	-28.89	-13	Pass
704	709	0.03	/	/	/	/	/	/

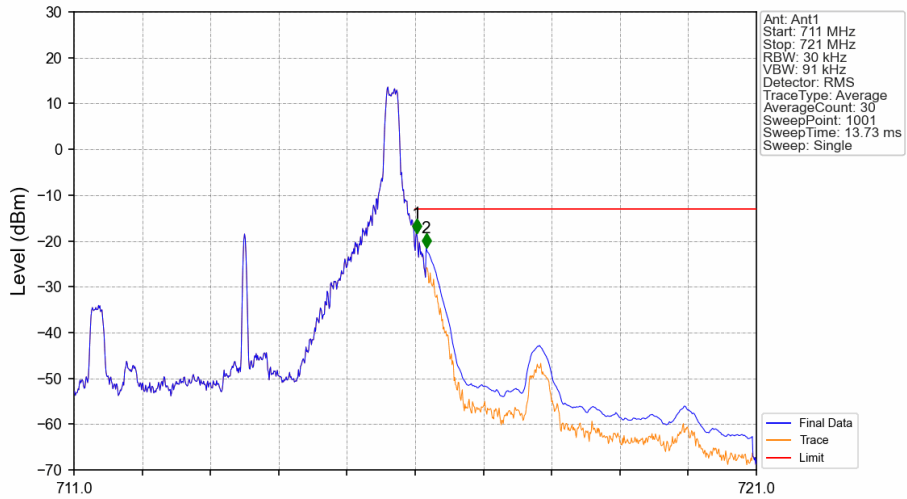
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

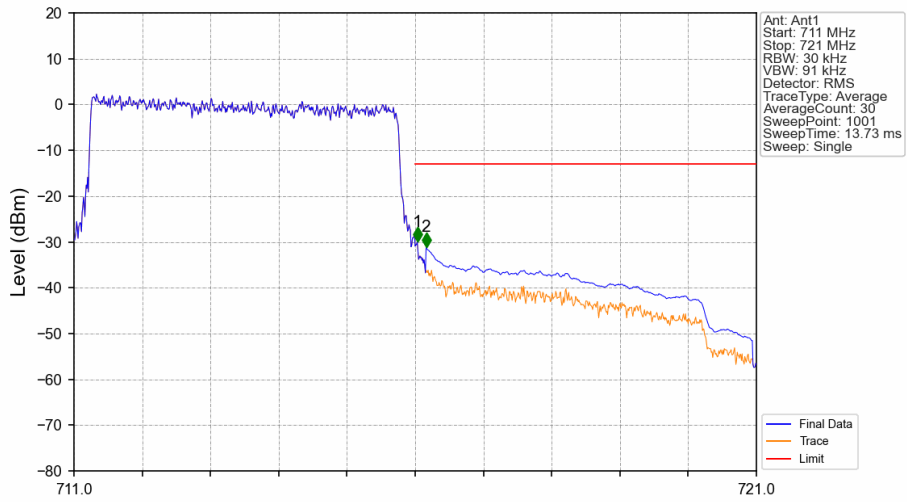


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



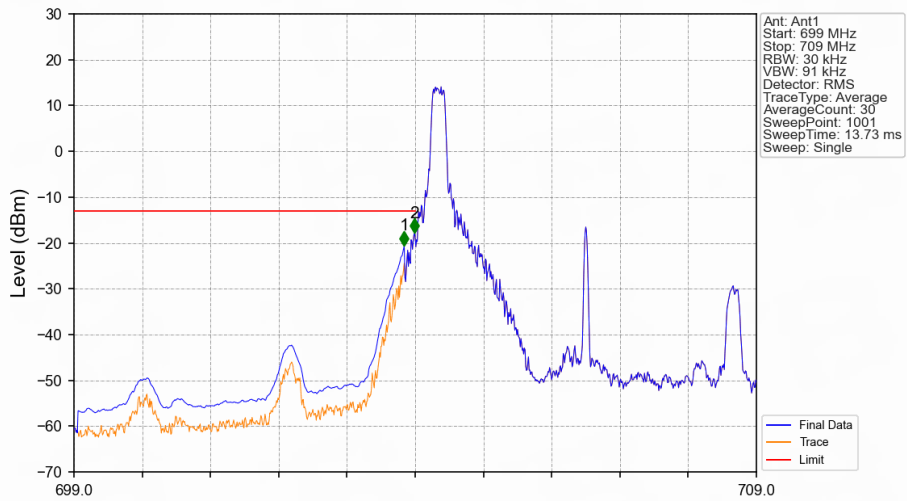
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-18.29	-13	Pass
716.1	721	0.1	CHP	2	716.160	-21.57	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



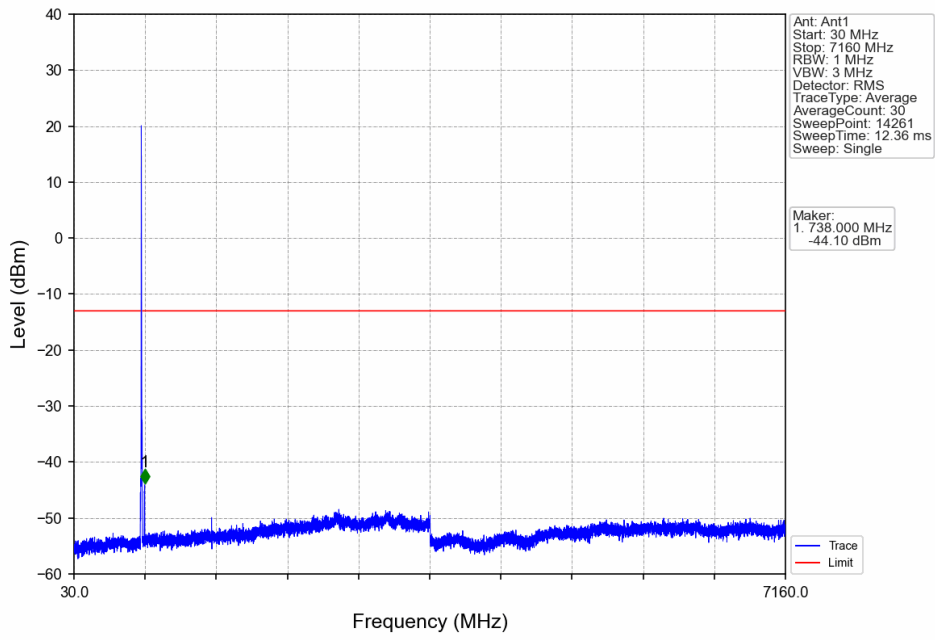
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.030	-29.94	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.07	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

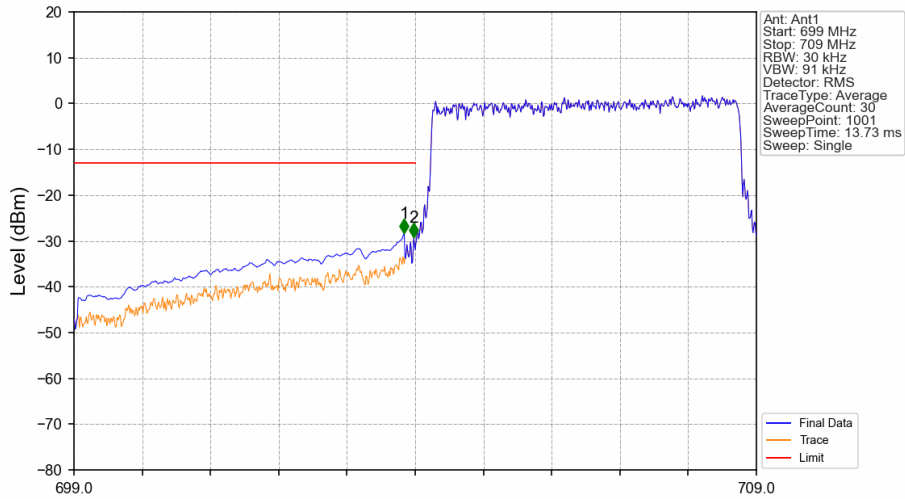


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-20.55	-13	Pass
703.9	704	0.03	/	2	703.990	-17.77	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

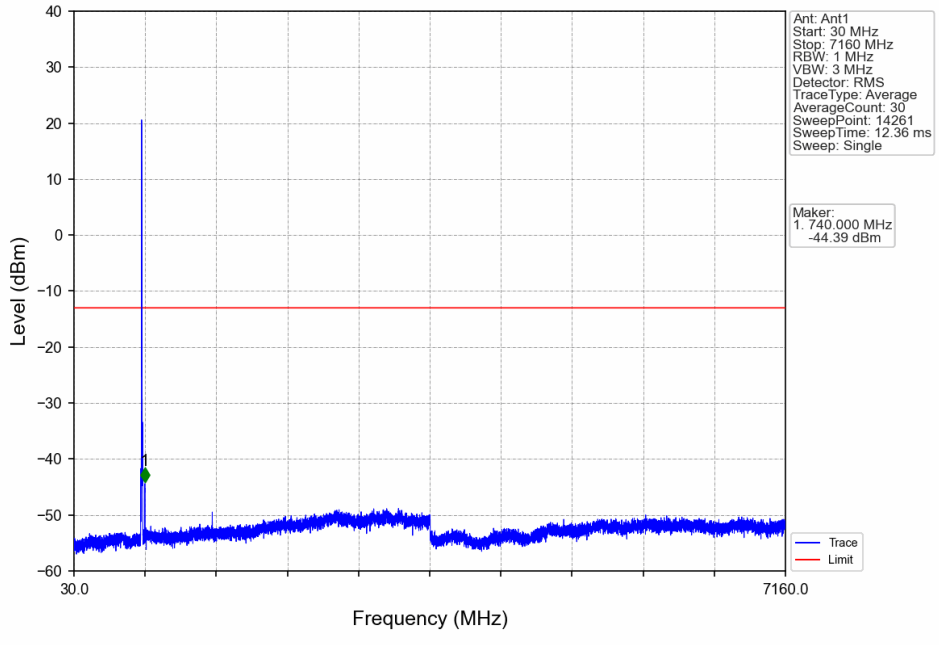


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

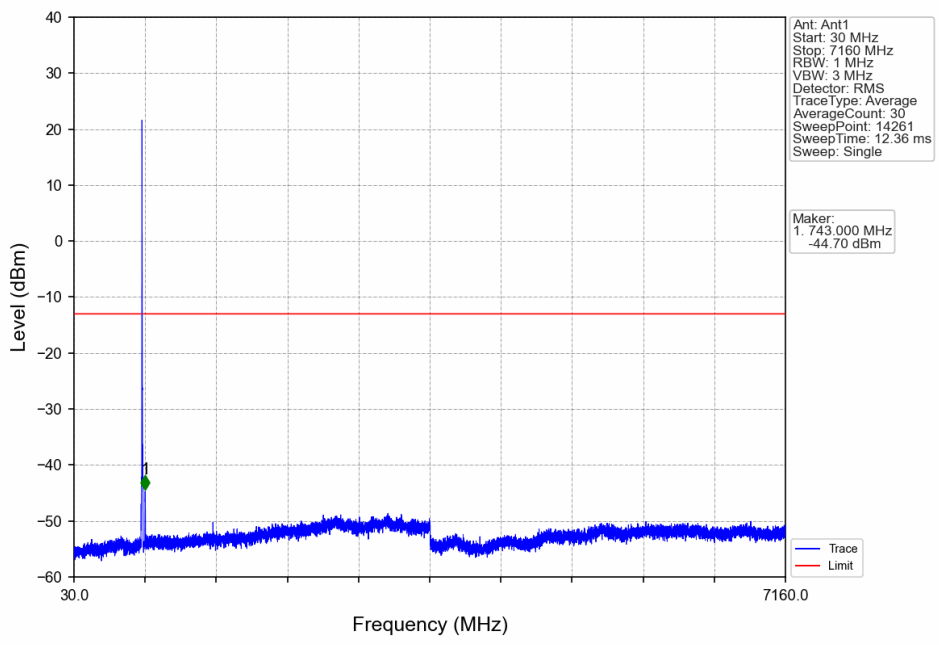


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-28.38	-13	Pass
703.9	704	0.03	/	2	703.980	-29.19	-13	Pass
704	709	0.03	/	/	/	/	/	/

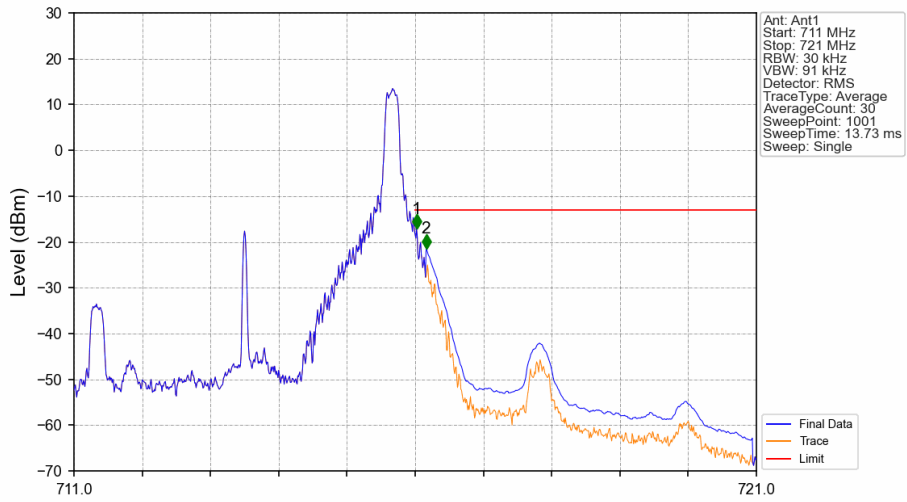
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

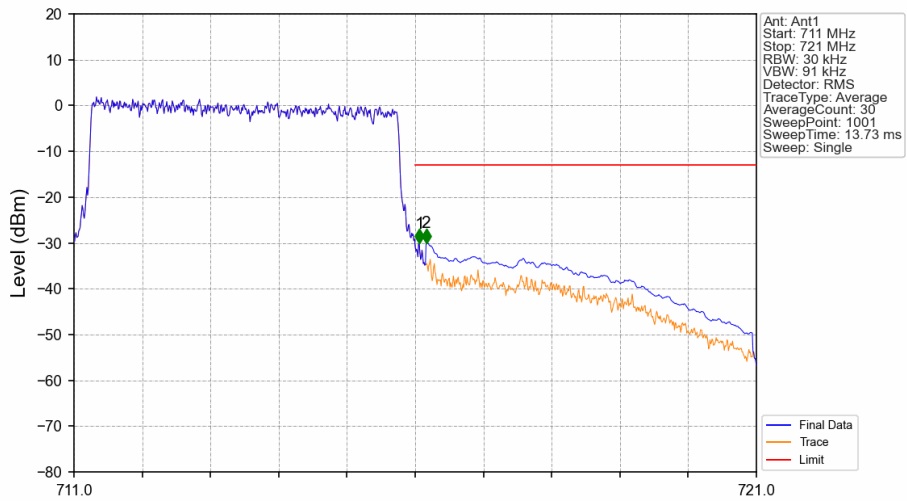


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.020	-17.15	-13	Pass
716.1	721	0.1	CHP	2	716.160	-21.41	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



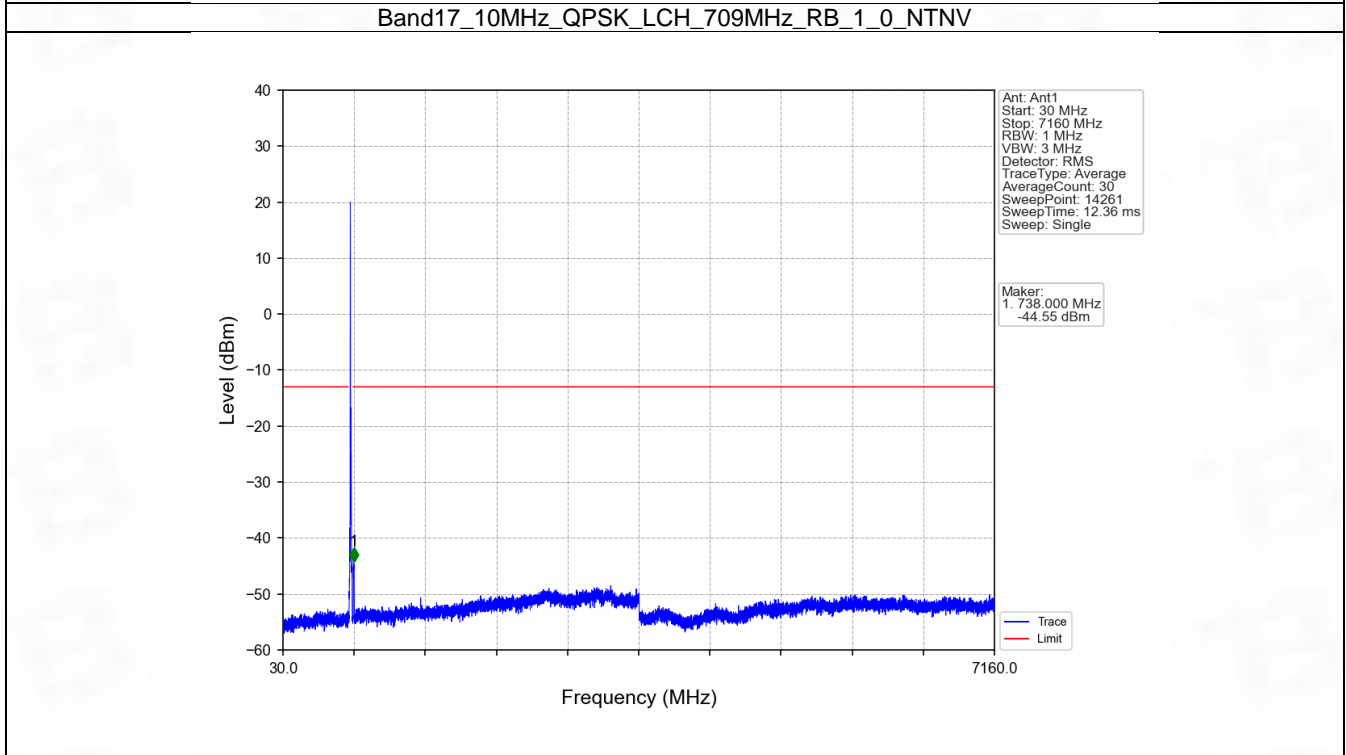
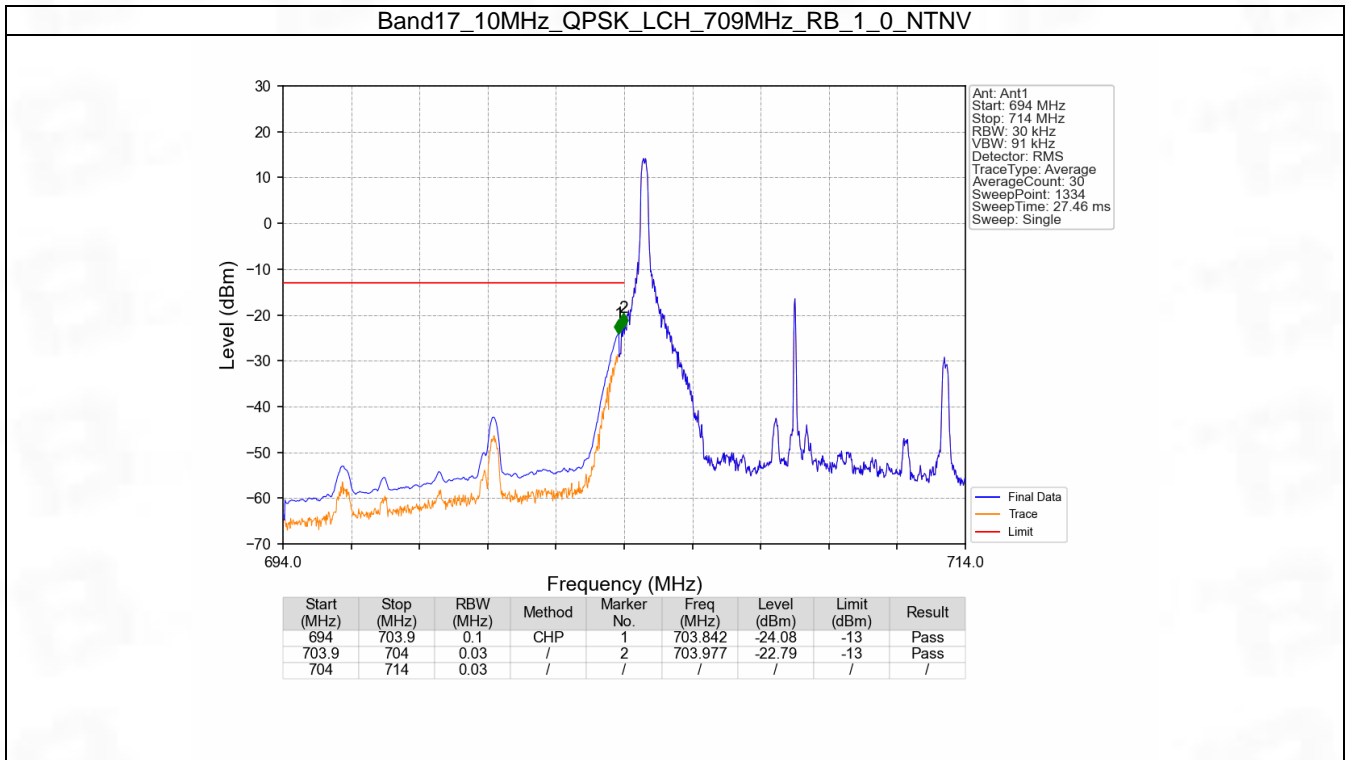
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.060	-30.15	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.01	-13	Pass

6.2 B17_10MHz

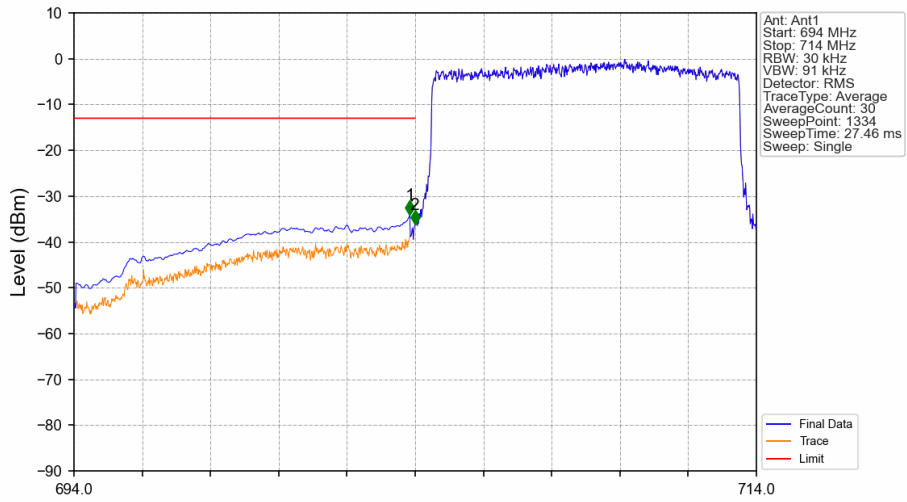
6.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTV						
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
	711	1	0	Refer To Test Graph		Pass
		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
	711	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.2.2 Test Graph

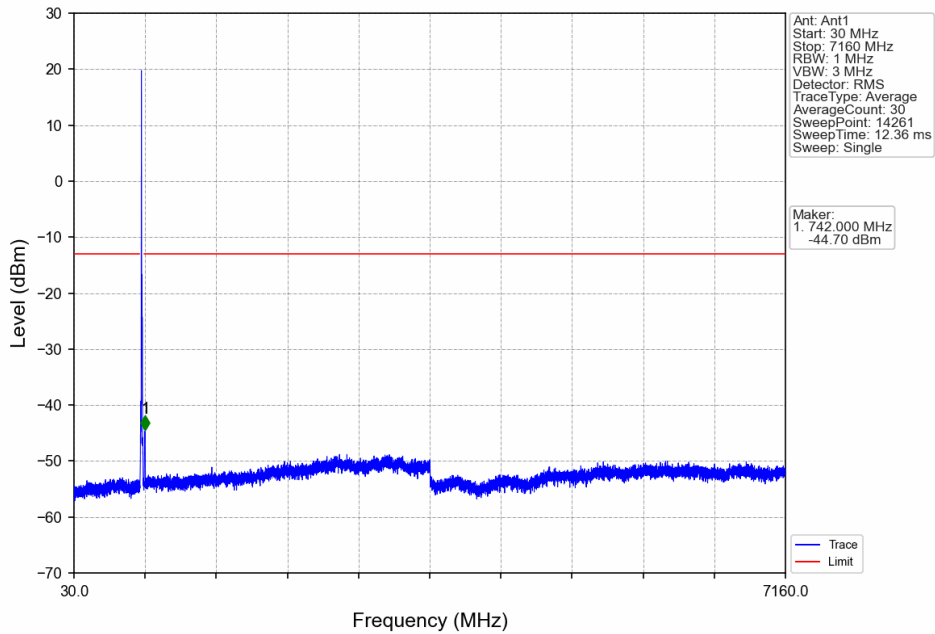


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

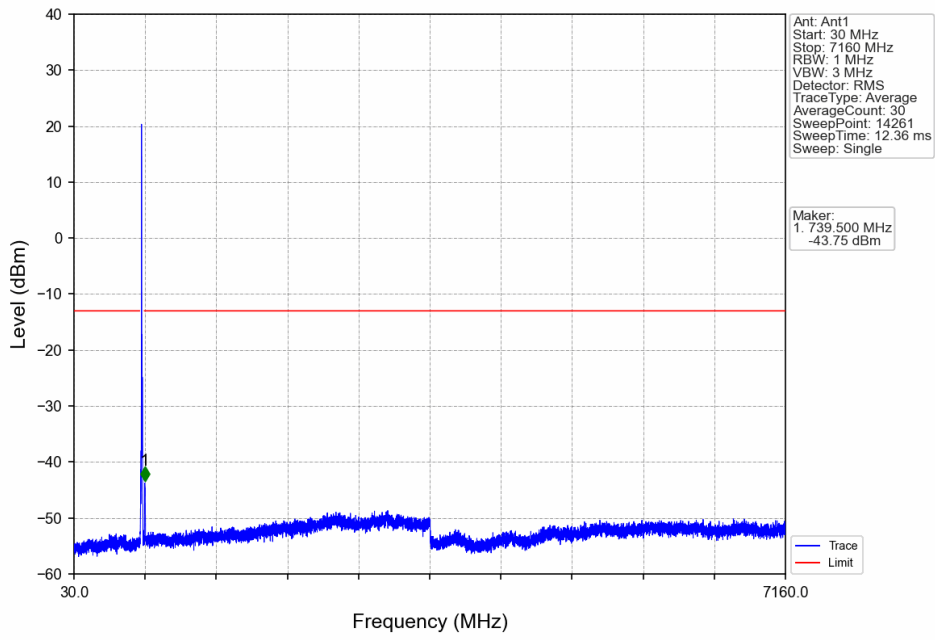


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-34.11	-13	Pass
703.9	704	0.03	/	2	703.992	-36.23	-13	Pass
704	714	0.03	/	/	/	/	/	/

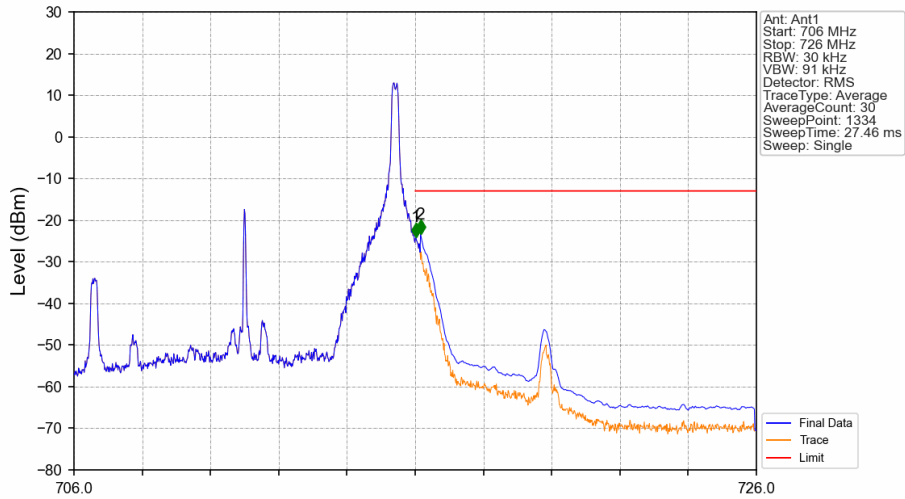
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

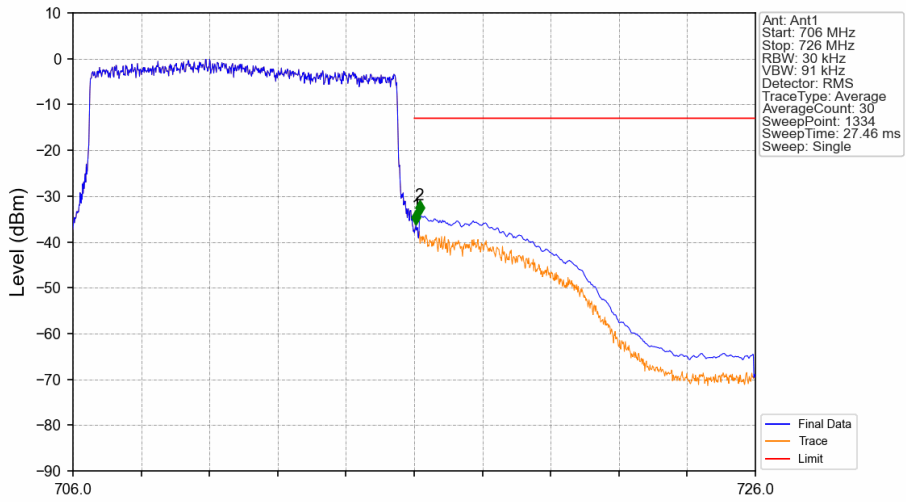


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



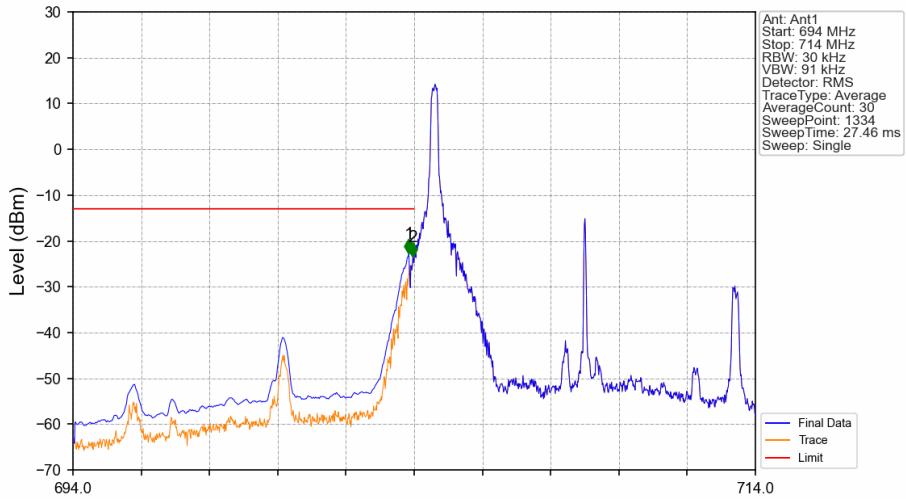
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-24.03	-13	Pass
716.1	726	0.1	CHP	2	716.158	-23.29	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



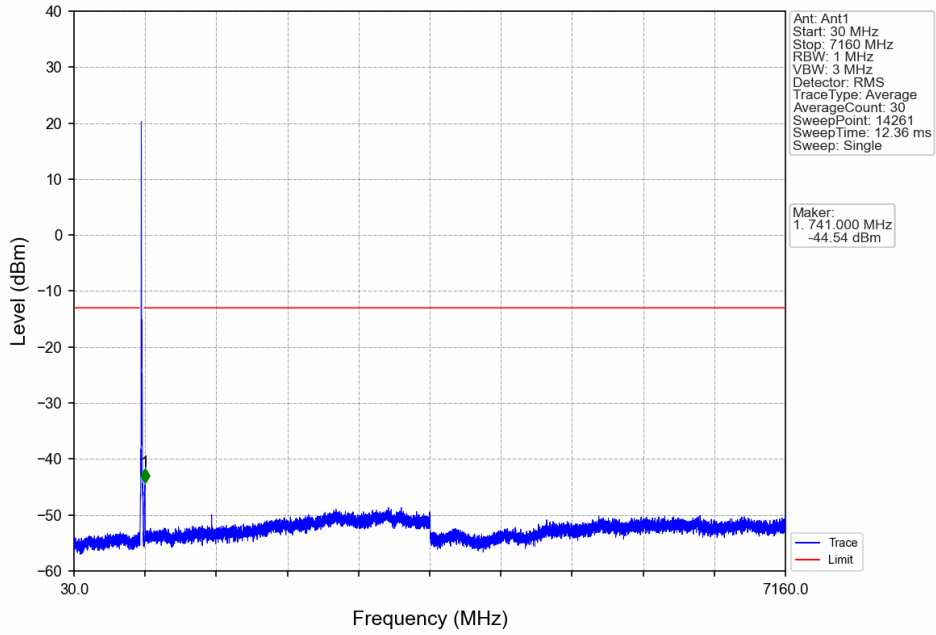
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.053	-36.18	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.12	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

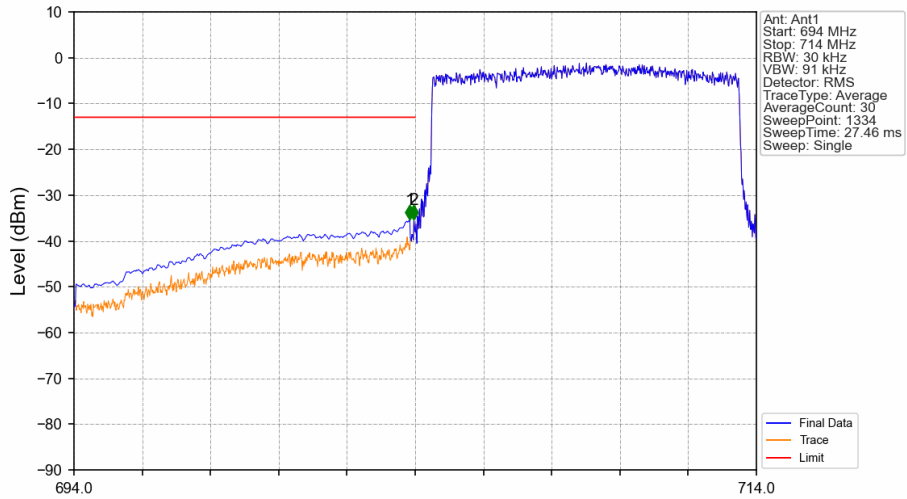


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-22.71	-13	Pass
703.9	704	0.03	/	2	703.962	-23.45	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

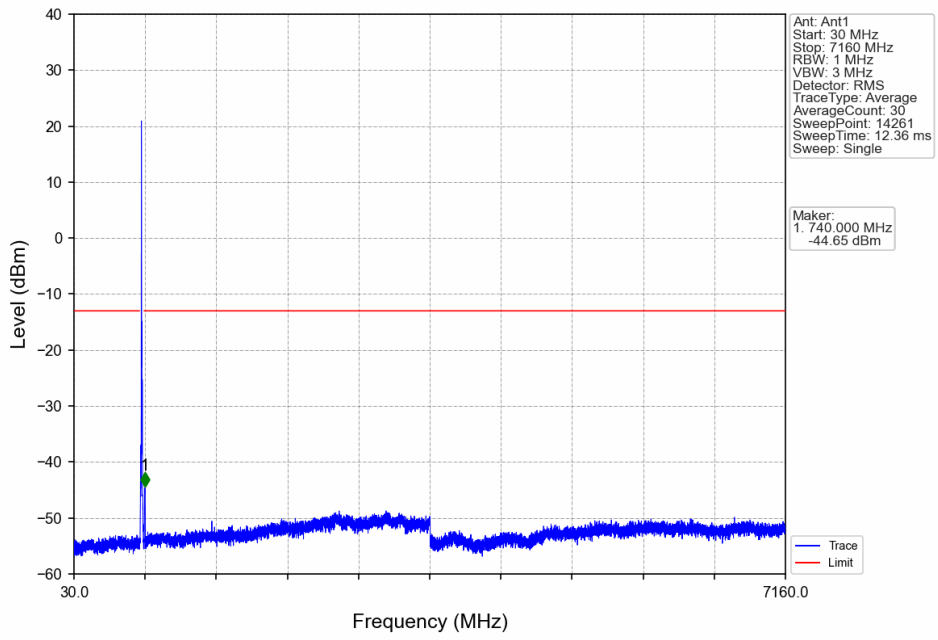


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

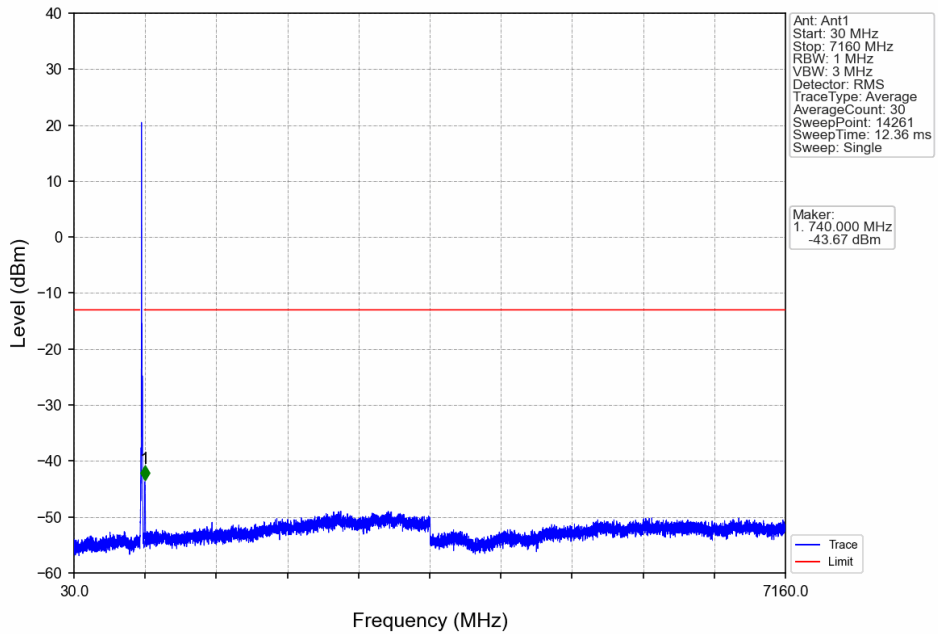


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.38	-13	Pass
703.9	704	0.03	/	2	703.962	-35.38	-13	Pass
704	714	0.03	/	/	/	/	/	/

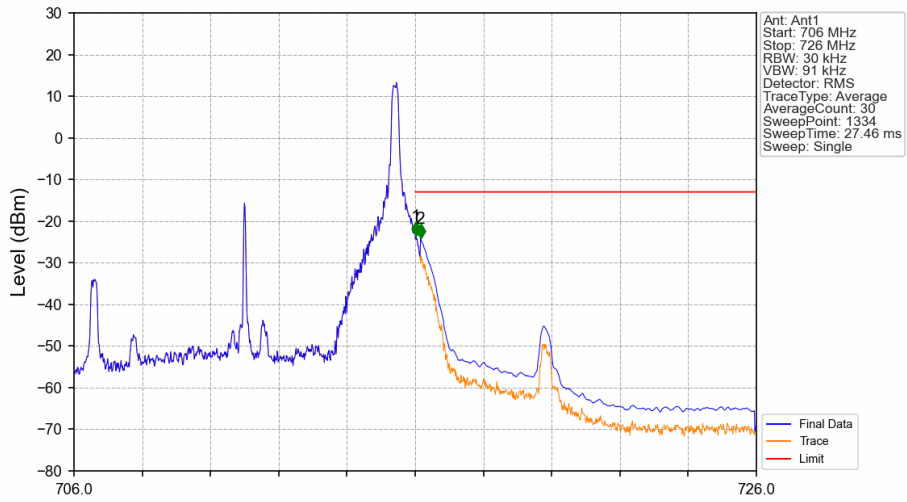
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

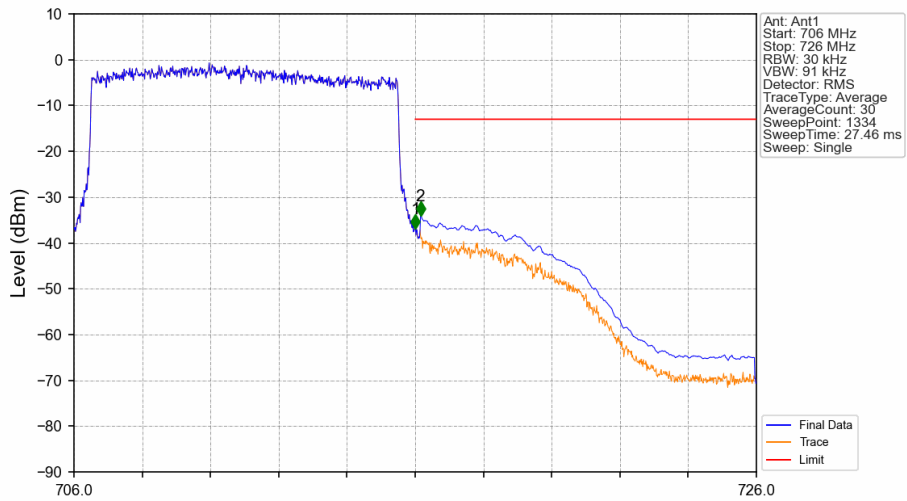


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.023	-23.50	-13	Pass
716.1	726	0.1	CHP	2	716.158	-24.10	-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	/	1	716.008	-36.98	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.05	-13	Pass

7. Form731

7.1 Form731_Power

7.1.1 Test Result

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	0.2944	0.0154	ppm	4M59G7D	27H	24.69
17	5	706.5	713.5	0.2831	0.0160	ppm	4M61W7D	27H	24.52
17	10	709	711	0.2761	0.0137	ppm	9M03G7D	27H	24.41
17	10	709	711	0.2786	0.0139	ppm	9M03W7D	27H	24.45

7.2 Form731_ERP

7.2.1 Test Result

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	0.1976	0.0154	ppm	4M59G7D	27H	22.96
17	5	706.5	713.5	0.1901	0.0160	ppm	4M61W7D	27H	22.79
17	10	709	711	0.1853	0.0137	ppm	9M03G7D	27H	22.68
17	10	709	711	0.187	0.0139	ppm	9M03W7D	27H	22.72