

1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP

1.1.1 Test Result

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	23.14	0.00	20.99	<=34.77	Pass		
			13	23.41	0.00	21.26	<=34.77	Pass		
			24	23.29	0.00	21.14	<=34.77	Pass		
		12	0	22.19	0.00	20.04	<=34.77	Pass		
			6	22.21	0.00	20.06	<=34.77	Pass		
			13	22.41	0.00	20.26	<=34.77	Pass		
		25	0	22.30	0.00	20.15	<=34.77	Pass		
		710	1	0	23.21	0.00	21.06	<=34.77	Pass	
				13	23.36	0.00	21.21	<=34.77	Pass	
	24			23.20	0.00	21.05	<=34.77	Pass		
	12		0	22.09	0.00	19.94	<=34.77	Pass		
			6	22.28	0.00	20.13	<=34.77	Pass		
			13	22.29	0.00	20.14	<=34.77	Pass		
	25		0	22.26	0.00	20.11	<=34.77	Pass		
	713.5		1	0	23.20	0.00	21.05	<=34.77	Pass	
				13	23.35	0.00	21.20	<=34.77	Pass	
		24		23.28	0.00	21.13	<=34.77	Pass		
		12	0	22.32	0.00	20.17	<=34.77	Pass		
			6	22.31	0.00	20.16	<=34.77	Pass		
			13	22.31	0.00	20.16	<=34.77	Pass		
		25	0	22.34	0.00	20.19	<=34.77	Pass		
		16QAM	706.5	1	0	22.26	0.00	20.11	<=34.77	Pass
					13	22.45	0.00	20.30	<=34.77	Pass
	24				22.43	0.00	20.28	<=34.77	Pass	
12	0			21.23	0.00	19.08	<=34.77	Pass		
	6			21.27	0.00	19.12	<=34.77	Pass		
	13			21.38	0.00	19.23	<=34.77	Pass		
25	0			21.36	0.00	19.21	<=34.77	Pass		
710	1			0	22.29	0.00	20.14	<=34.77	Pass	
				13	22.40	0.00	20.25	<=34.77	Pass	
			24	22.34	0.00	20.19	<=34.77	Pass		
	12		0	21.10	0.00	18.95	<=34.77	Pass		
			6	21.28	0.00	19.13	<=34.77	Pass		
			13	21.33	0.00	19.18	<=34.77	Pass		
	25		0	21.30	0.00	19.15	<=34.77	Pass		
	713.5		1	0	22.39	0.00	20.24	<=34.77	Pass	
				13	22.59	0.00	20.44	<=34.77	Pass	
24				22.50	0.00	20.35	<=34.77	Pass		
12			0	21.41	0.00	19.26	<=34.77	Pass		
			6	21.34	0.00	19.19	<=34.77	Pass		
			13	21.35	0.00	19.20	<=34.77	Pass		
25			0	21.34	0.00	19.19	<=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 / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	709	1	0	23.11	0.00	20.96	<=34.77	Pass		
			25	23.29	0.00	21.14	<=34.77	Pass		
			49	23.26	0.00	21.11	<=34.77	Pass		
		25	0	22.04	0.00	19.89	<=34.77	Pass		
			13	22.34	0.00	20.19	<=34.77	Pass		
			25	22.33	0.00	20.18	<=34.77	Pass		
		50	0	22.20	0.00	20.05	<=34.77	Pass		
		710	1	0	23.20	0.00	21.05	<=34.77	Pass	
				25	23.31	0.00	21.16	<=34.77	Pass	
	49			23.36	0.00	21.21	<=34.77	Pass		
	25		0	21.93	0.00	19.78	<=34.77	Pass		
			13	22.29	0.00	20.14	<=34.77	Pass		
			25	22.18	0.00	20.03	<=34.77	Pass		
	50		0	22.12	0.00	19.97	<=34.77	Pass		
	711		1	0	23.20	0.00	21.05	<=34.77	Pass	
				25	23.28	0.00	21.13	<=34.77	Pass	
		49		23.31	0.00	21.16	<=34.77	Pass		
		25	0	22.00	0.00	19.85	<=34.77	Pass		
			13	22.35	0.00	20.20	<=34.77	Pass		
			25	22.17	0.00	20.02	<=34.77	Pass		
		50	0	22.09	0.00	19.94	<=34.77	Pass		
		16QAM	709	1	0	22.36	0.00	20.21	<=34.77	Pass
					25	22.53	0.00	20.38	<=34.77	Pass
	49				22.48	0.00	20.33	<=34.77	Pass	
25	0			21.09	0.00	18.94	<=34.77	Pass		
	13			21.37	0.00	19.22	<=34.77	Pass		
	25			21.37	0.00	19.22	<=34.77	Pass		
50	0			21.23	0.00	19.08	<=34.77	Pass		
710	1			0	22.13	0.00	19.98	<=34.77	Pass	
				25	22.24	0.00	20.09	<=34.77	Pass	
			49	22.27	0.00	20.12	<=34.77	Pass		
	25		0	21.03	0.00	18.88	<=34.77	Pass		
			13	21.35	0.00	19.20	<=34.77	Pass		
			25	21.21	0.00	19.06	<=34.77	Pass		
	50		0	21.11	0.00	18.96	<=34.77	Pass		
	711		1	0	22.48	0.00	20.33	<=34.77	Pass	
				25	22.50	0.00	20.35	<=34.77	Pass	
49				22.59	0.00	20.44	<=34.77	Pass		
25			0	21.04	0.00	18.89	<=34.77	Pass		
			13	21.35	0.00	19.20	<=34.77	Pass		
			25	21.15	0.00	19.00	<=34.77	Pass		
50			0	21.09	0.00	18.94	<=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	-1.774	-0.0025	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0035	-2.5 to 2.5	Pass
					4.43	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.204	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass
				-10	3.85	-6.022	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-2.503	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-0.987	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0026	-2.5 to 2.5	Pass
	50	3.85	-4.320	-0.0061	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-2.532	-0.0036	-2.5 to 2.5	Pass
					3.85	-3.219	-0.0045	-2.5 to 2.5	Pass
					4.43	-3.419	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-3.562	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-2.074	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-1.173	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-2.160	-0.0030	-2.5 to 2.5	Pass
	50	3.85	-4.563	-0.0064	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	-5.050	-0.0071	-2.5 to 2.5	Pass
					3.85	-3.047	-0.0043	-2.5 to 2.5	Pass
					4.43	-4.005	-0.0056	-2.5 to 2.5	Pass
				-30	3.85	2.489	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.035	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-0.858	-0.0012	-2.5 to 2.5	Pass
				0	3.85	0.644	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.958	-0.0013	-2.5 to 2.5	Pass
30				3.85	-5.322	-0.0075	-2.5 to 2.5	Pass	
40				3.85	-2.775	-0.0039	-2.5 to 2.5	Pass	
50	3.85	1.745	0.0024	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	1.259	0.0018	-2.5 to 2.5	Pass
					3.85	-3.877	-0.0055	-2.5 to 2.5	Pass
					4.43	-3.304	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-1.845	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0012	-2.5 to 2.5	Pass
				0	3.85	1.674	0.0024	-2.5 to 2.5	Pass
				10	3.85	0.401	0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0046	-2.5 to 2.5	Pass
				40	3.85	0.329	0.0005	-2.5 to 2.5	Pass
	50	3.85	0.300	0.0004	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-4.778	-0.0067	-2.5 to 2.5	Pass
					3.85	-1.731	-0.0024	-2.5 to 2.5	Pass
					4.43	0.443	0.0006	-2.5 to 2.5	Pass

				-30	3.85	-3.061	-0.0043	-2.5 to 2.5	Pass			
				-20	3.85	-0.944	-0.0013	-2.5 to 2.5	Pass			
				-10	3.85	-0.057	-0.0001	-2.5 to 2.5	Pass			
				0	3.85	-8.283	-0.0117	-2.5 to 2.5	Pass			
				10	3.85	-2.432	-0.0034	-2.5 to 2.5	Pass			
				30	3.85	-3.333	-0.0047	-2.5 to 2.5	Pass			
				40	3.85	-3.290	-0.0046	-2.5 to 2.5	Pass			
				50	3.85	-2.847	-0.0040	-2.5 to 2.5	Pass			
				713.5	25	0	20	3.27	1.745	0.0024	-2.5 to 2.5	Pass
								3.85	-2.332	-0.0033	-2.5 to 2.5	Pass
	4.43	-3.777	-0.0053					-2.5 to 2.5	Pass			
	-30	3.85	-6.437				-0.0090	-2.5 to 2.5	Pass			
	-20	3.85	-4.177				-0.0059	-2.5 to 2.5	Pass			
	-10	3.85	-2.518				-0.0035	-2.5 to 2.5	Pass			
	0	3.85	-3.204				-0.0045	-2.5 to 2.5	Pass			
	10	3.85	-1.817				-0.0025	-2.5 to 2.5	Pass			
	30	3.85	-0.229				-0.0003	-2.5 to 2.5	Pass			
	40	3.85	-0.701				-0.0010	-2.5 to 2.5	Pass			
	50	3.85	-5.593	-0.0078	-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	-1.488	-0.0021	-2.5 to 2.5	Pass			
					3.85	-0.958	-0.0014	-2.5 to 2.5	Pass			
					4.43	-1.817	-0.0026	-2.5 to 2.5	Pass			
				-30	3.85	-2.875	-0.0041	-2.5 to 2.5	Pass			
				-20	3.85	-2.532	-0.0036	-2.5 to 2.5	Pass			
				-10	3.85	0.157	0.0002	-2.5 to 2.5	Pass			
				0	3.85	-5.536	-0.0078	-2.5 to 2.5	Pass			
				10	3.85	-2.661	-0.0038	-2.5 to 2.5	Pass			
				30	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass			
				40	3.85	-2.604	-0.0037	-2.5 to 2.5	Pass			
				50	3.85	-1.645	-0.0023	-2.5 to 2.5	Pass			
				710	50	0	20	3.27	-2.747	-0.0039	-2.5 to 2.5	Pass
								3.85	-6.194	-0.0087	-2.5 to 2.5	Pass
								4.43	-4.678	-0.0066	-2.5 to 2.5	Pass
							-30	3.85	-4.535	-0.0064	-2.5 to 2.5	Pass
	-20	3.85	-2.046				-0.0029	-2.5 to 2.5	Pass			
	-10	3.85	-1.874				-0.0026	-2.5 to 2.5	Pass			
	0	3.85	-0.916				-0.0013	-2.5 to 2.5	Pass			
	10	3.85	-3.419				-0.0048	-2.5 to 2.5	Pass			
	30	3.85	-3.448				-0.0049	-2.5 to 2.5	Pass			
	40	3.85	-4.005				-0.0056	-2.5 to 2.5	Pass			
	50	3.85	-3.948				-0.0056	-2.5 to 2.5	Pass			
	711	50	0				20	3.27	-3.777	-0.0053	-2.5 to 2.5	Pass
				3.85	-1.888	-0.0027		-2.5 to 2.5	Pass			
				4.43	-1.316	-0.0019		-2.5 to 2.5	Pass			

				-30	3.85	-3.290	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-2.804	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-0.515	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.257	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-2.890	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-2.418	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-1.287	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0039	-2.5 to 2.5	Pass
					4.43	-3.362	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.774	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-4.263	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-1.888	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-3.490	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-1.917	-0.0027	-2.5 to 2.5	Pass
	50	3.85	-2.718	-0.0038	-2.5 to 2.5	Pass			
	710	50	0	20	3.27	-3.033	-0.0043	-2.5 to 2.5	Pass
					3.85	-4.449	-0.0063	-2.5 to 2.5	Pass
					4.43	-3.691	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.246	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.804	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-3.176	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-3.004	-0.0042	-2.5 to 2.5	Pass
	50	3.85	-2.174	-0.0031	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	-1.302	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.034	-0.0057	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.691	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-0.358	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-1.473	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0035	-2.5 to 2.5	Pass
30				3.85	-0.100	-0.0001	-2.5 to 2.5	Pass	
40				3.85	-2.718	-0.0038	-2.5 to 2.5	Pass	
50	3.85	-0.973	-0.0014	-2.5 to 2.5	Pass				

3. Modulation Characteristics

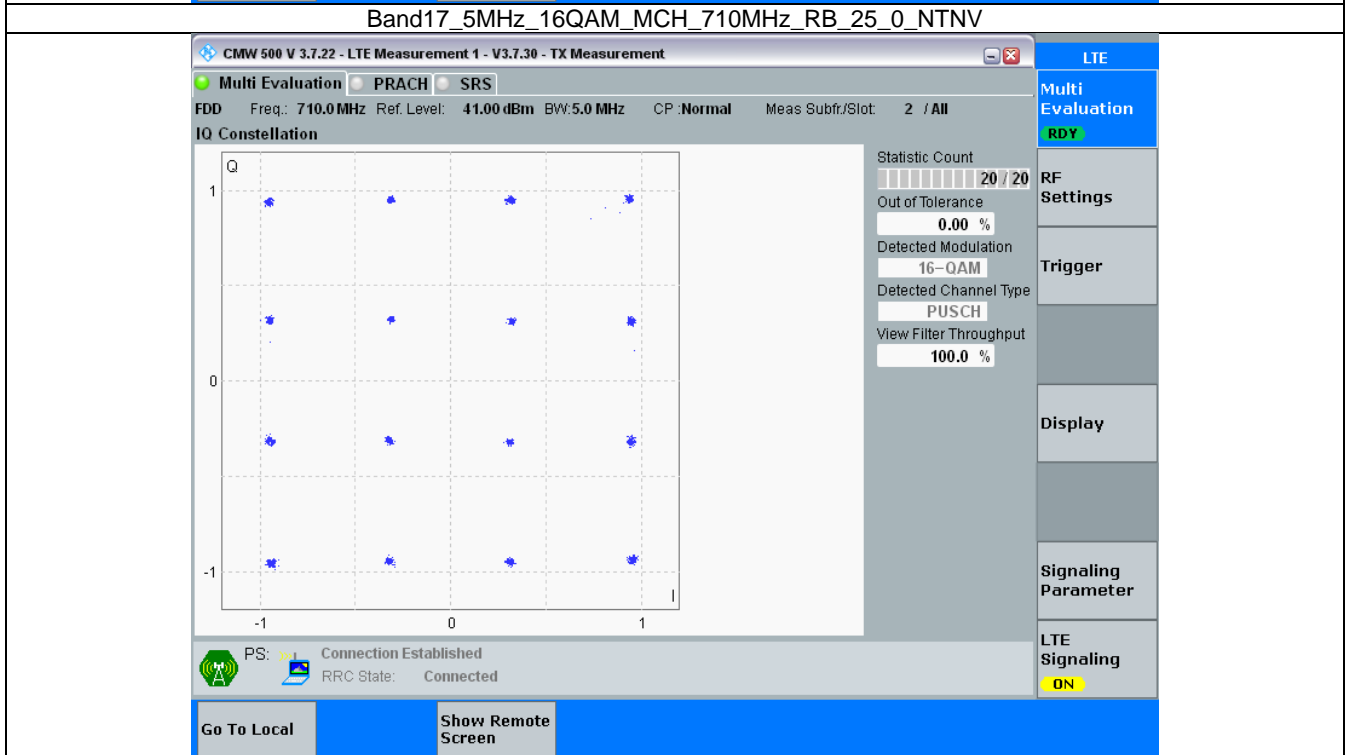
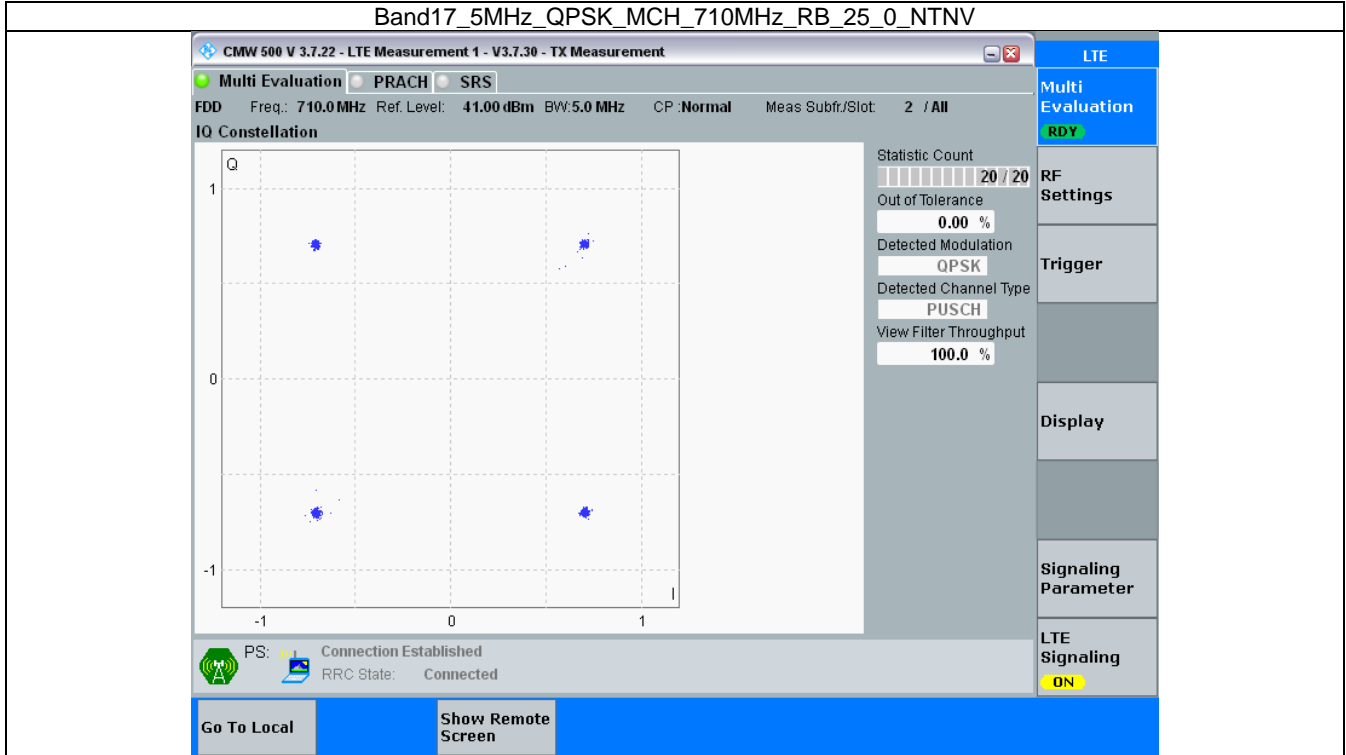
3.1 B17_5MHz

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
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3.1.2 Test Graph

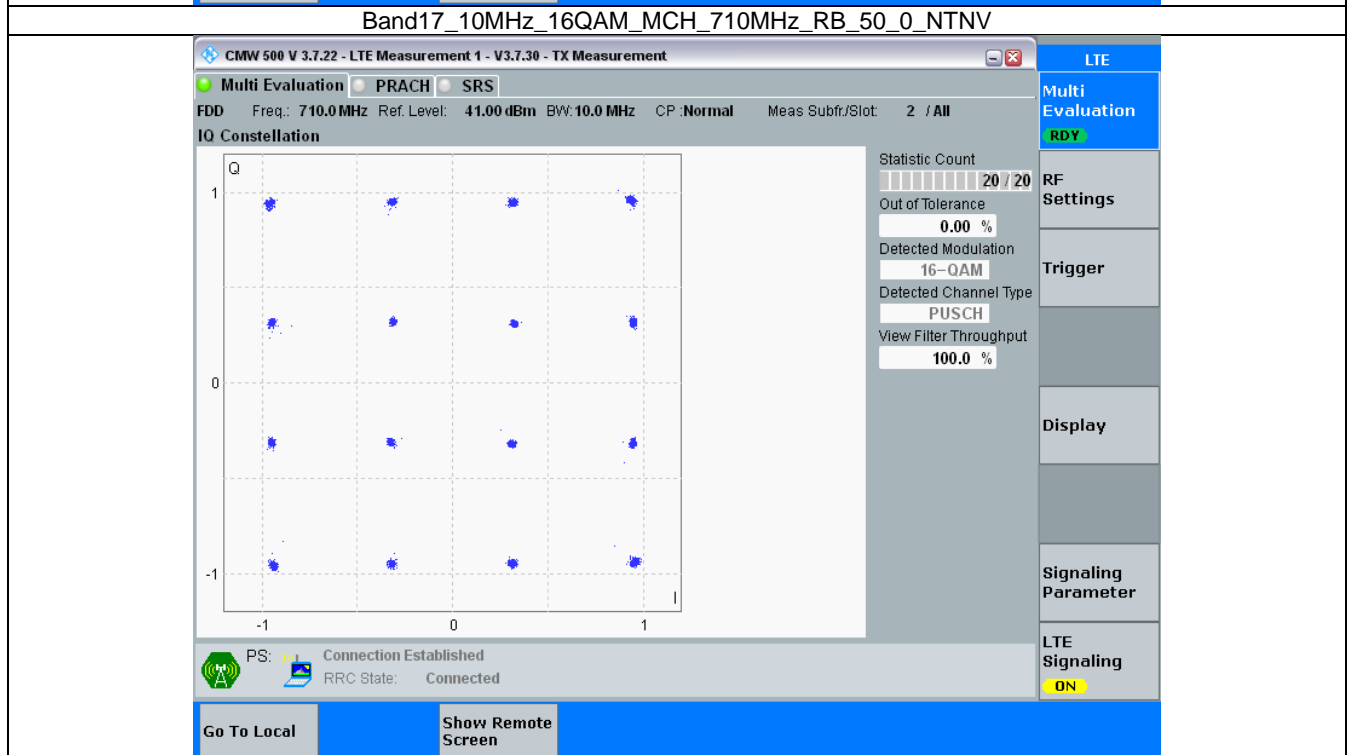
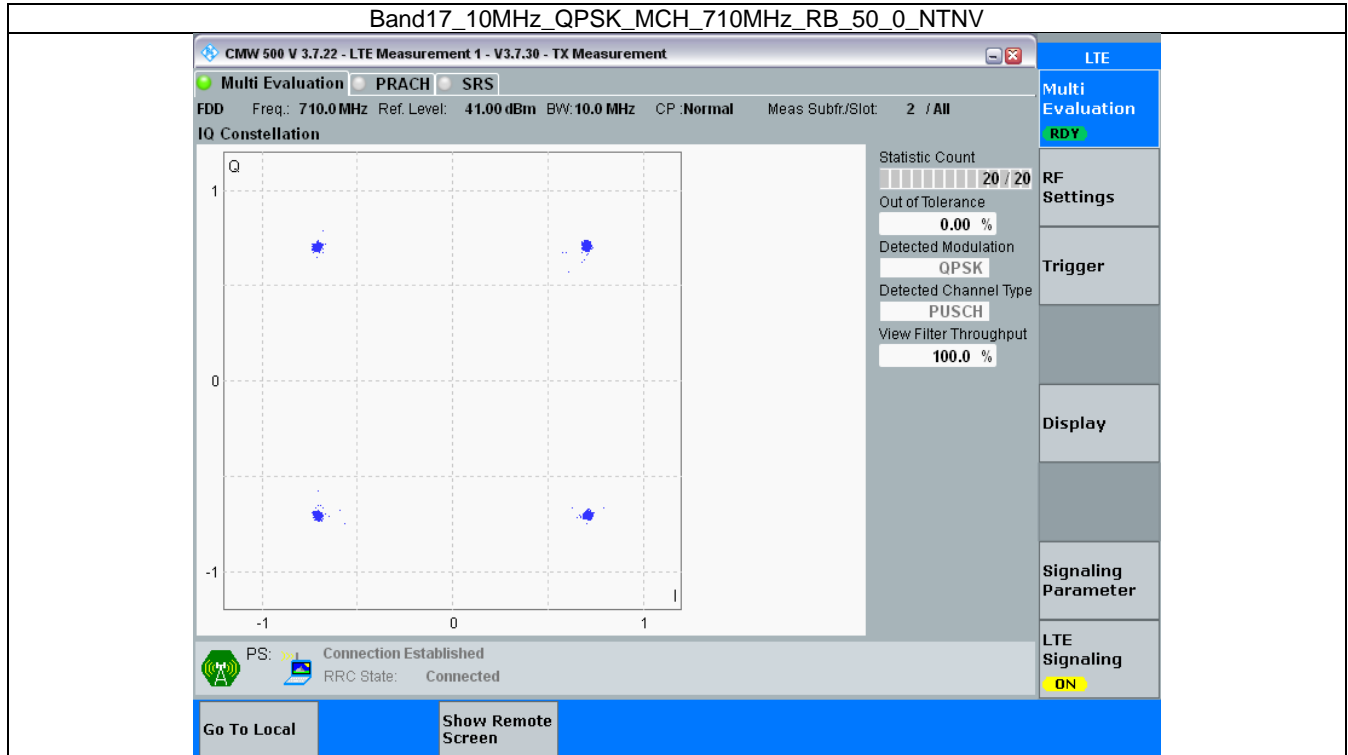


3.2 B17_10MHz

3.2.1 Test Result

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

3.2.2 Test Graph



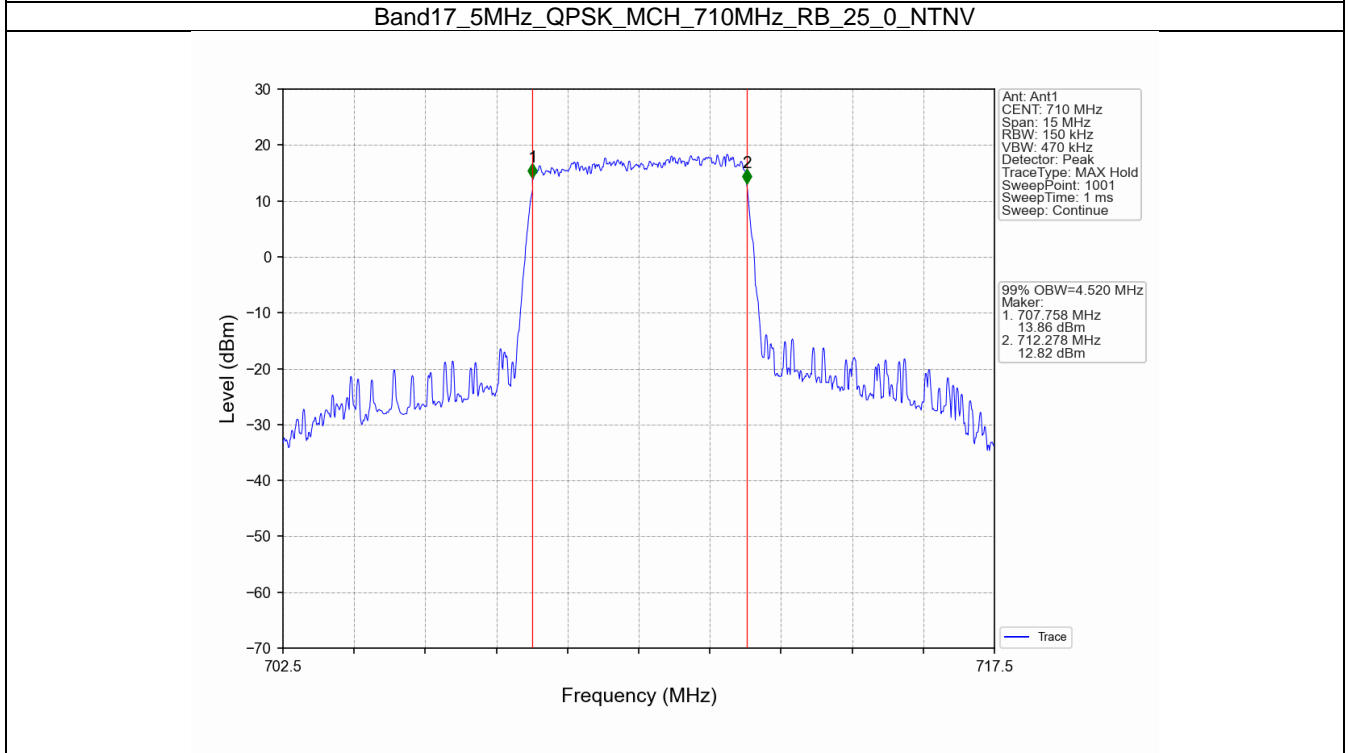
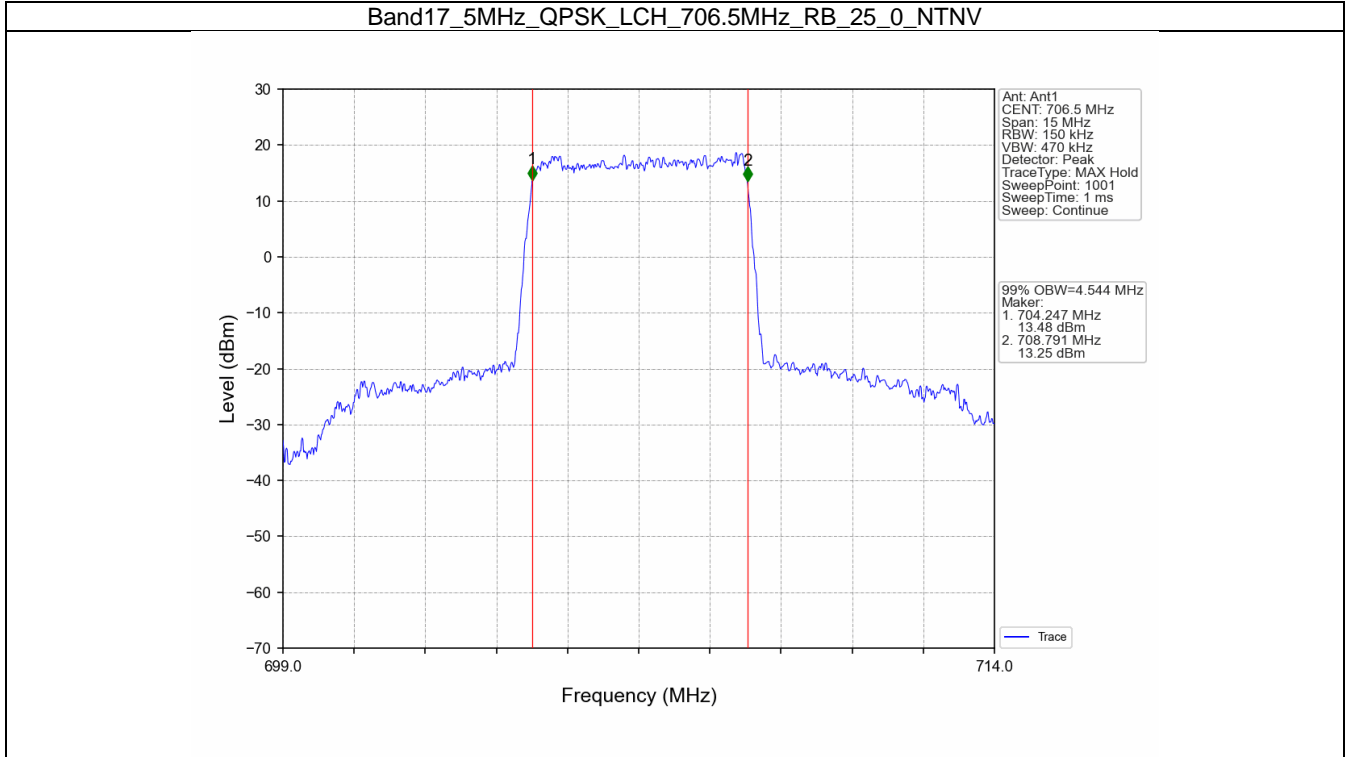
4. 99% & 26dB Bandwidth

4.1 Band17_OBW

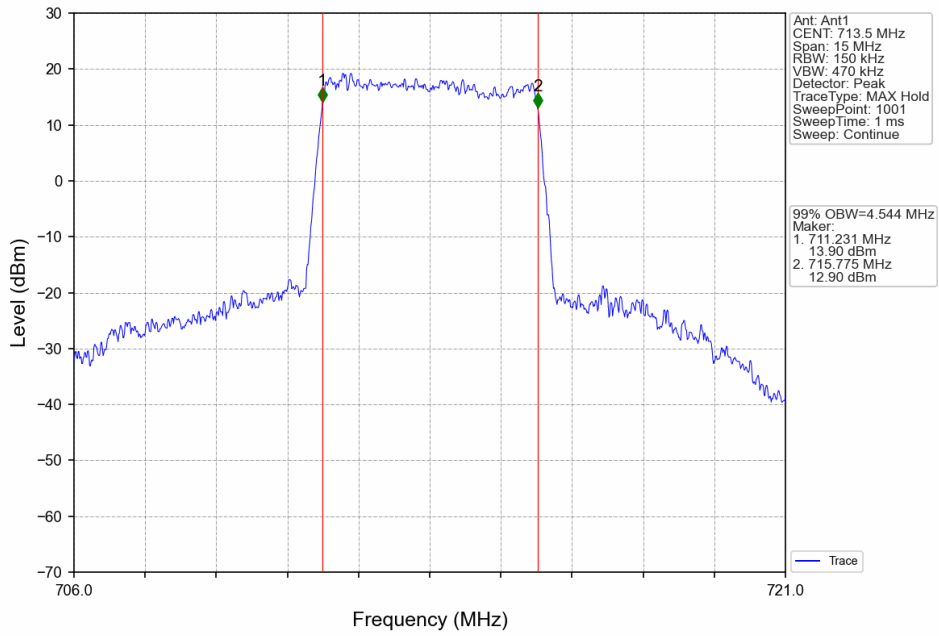
4.1.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.544	Pass
		710	25	0	4.520	Pass
		713.5	25	0	4.544	Pass
	16QAM	706.5	25	0	4.547	Pass
		710	25	0	4.547	Pass
		713.5	25	0	4.550	Pass
10	QPSK	709	50	0	9.013	Pass
		710	50	0	8.951	Pass
		711	50	0	9.000	Pass
	16QAM	709	50	0	9.015	Pass
		710	50	0	8.983	Pass
		711	50	0	8.986	Pass

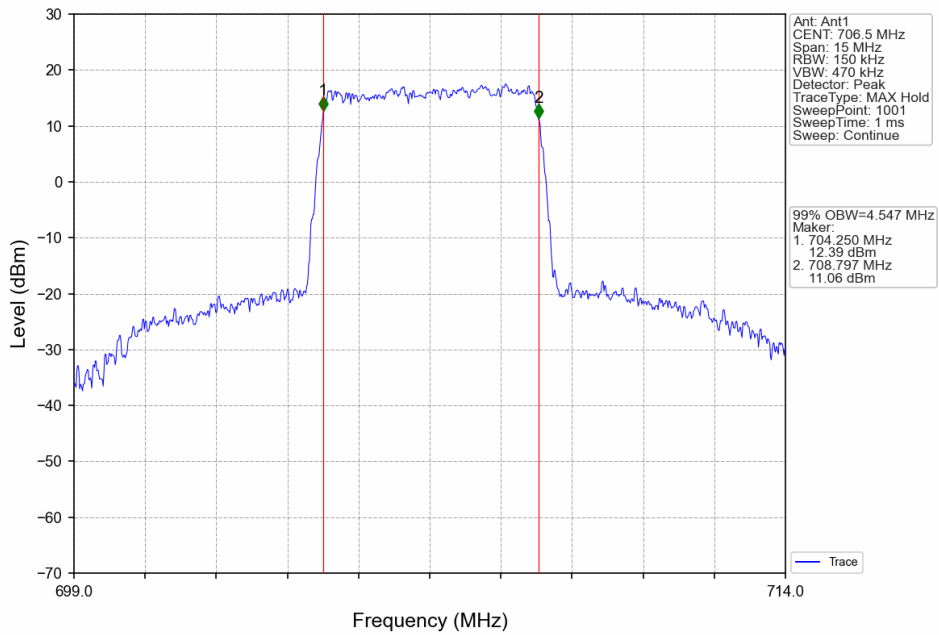
4.1.2 Test Graph



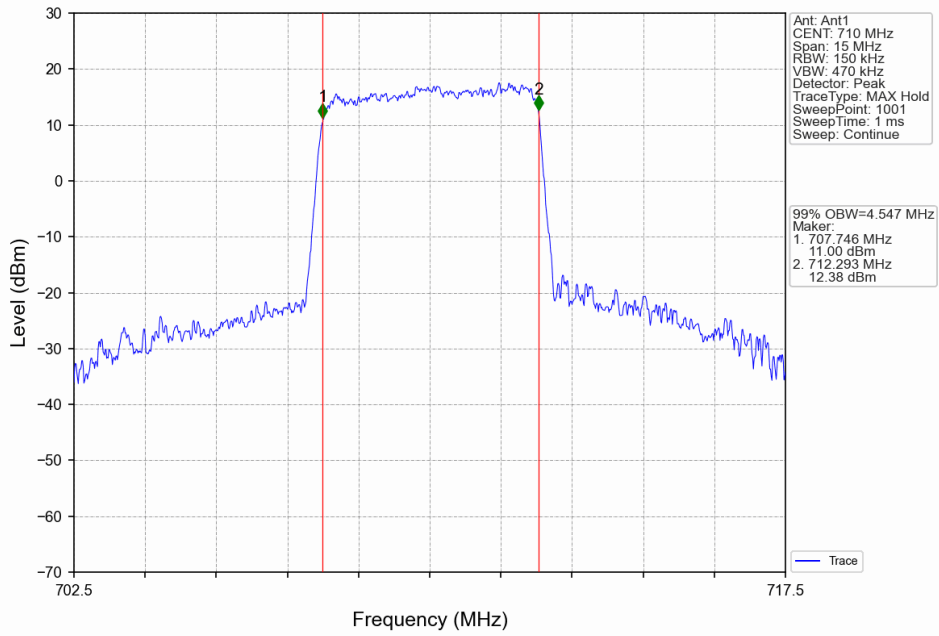
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



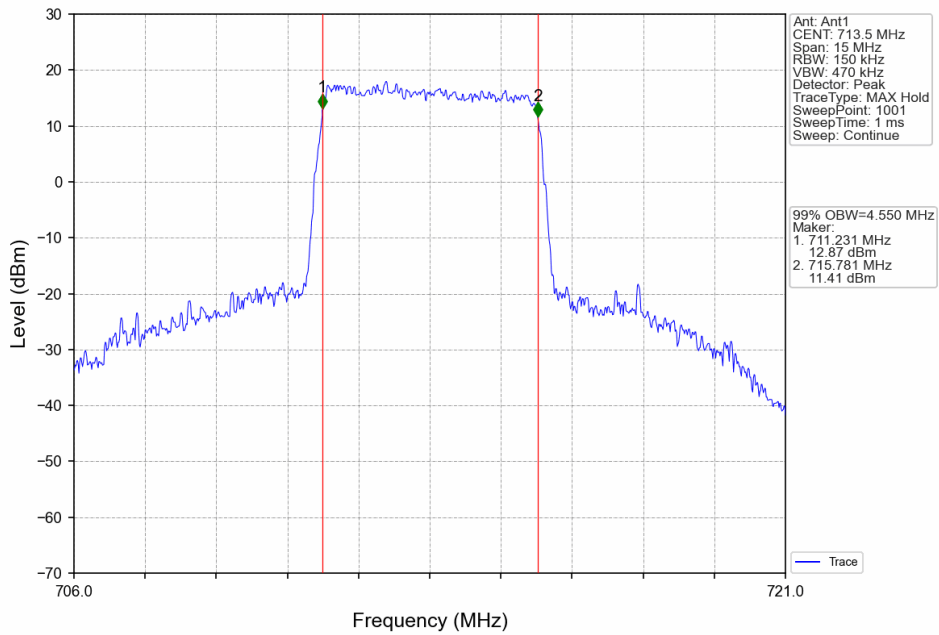
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



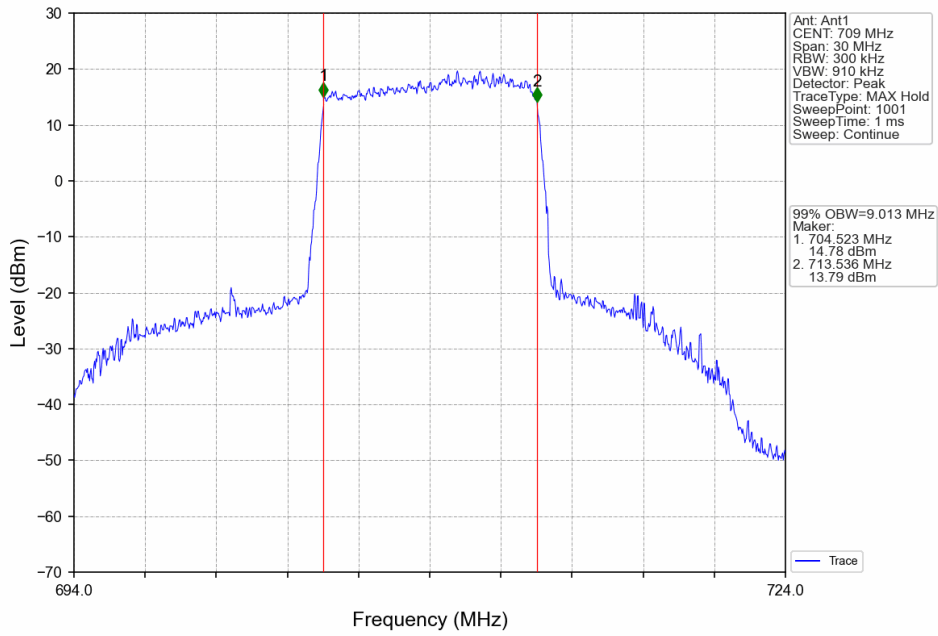
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



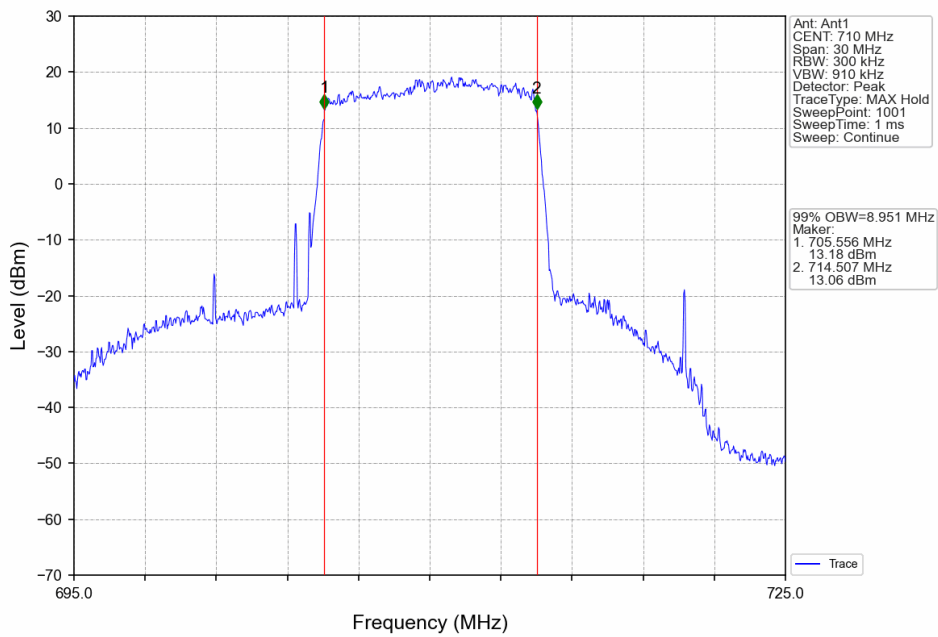
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



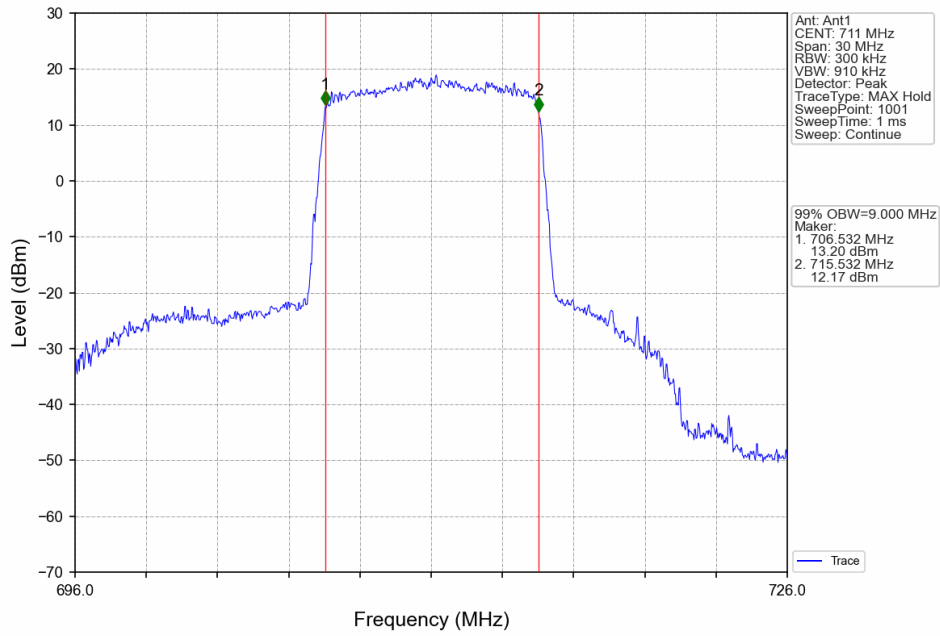
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



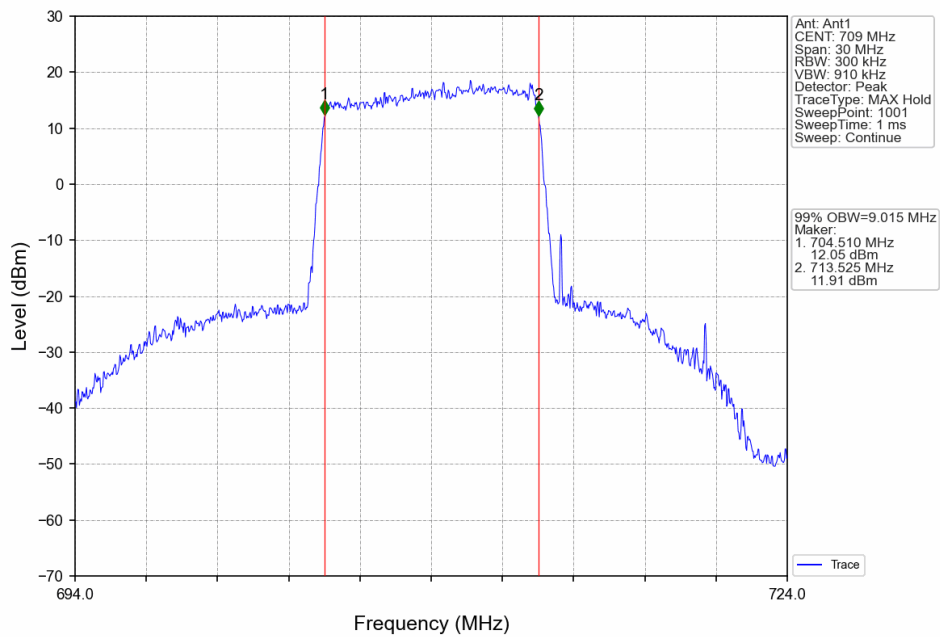
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



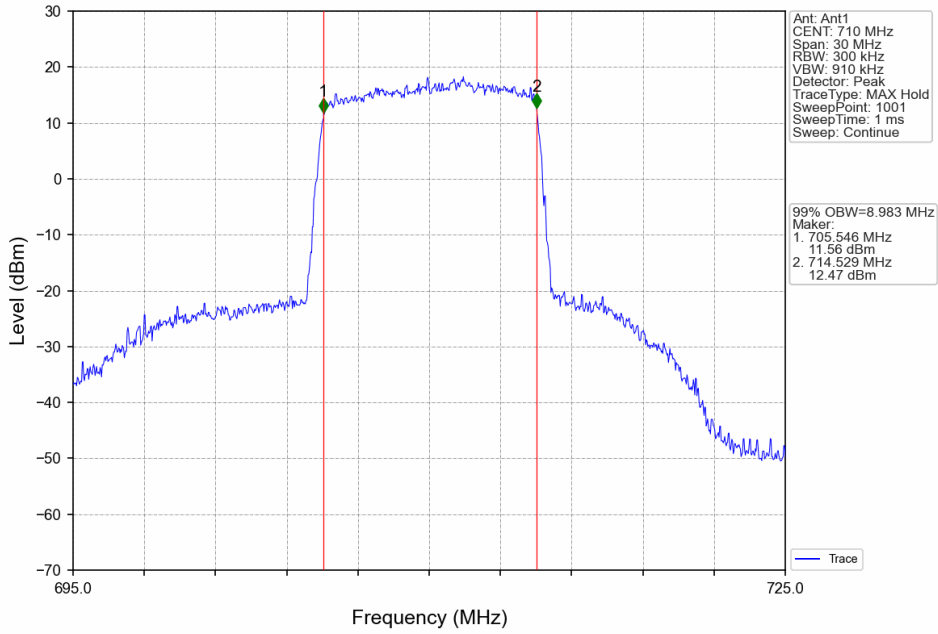
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



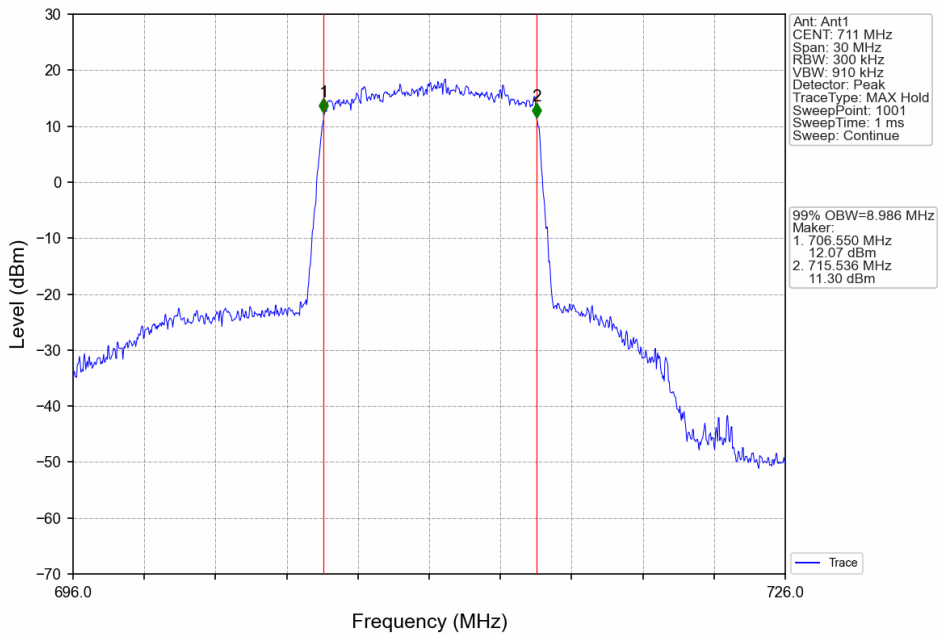
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

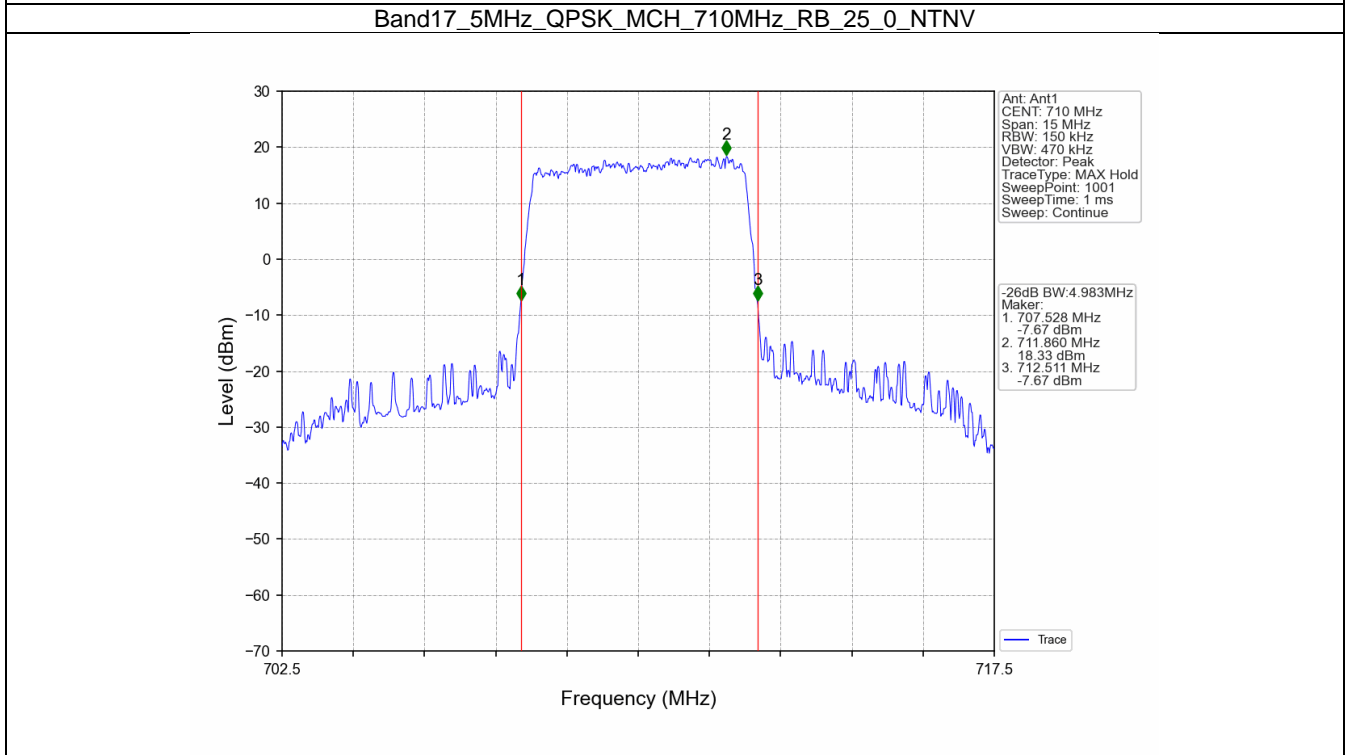
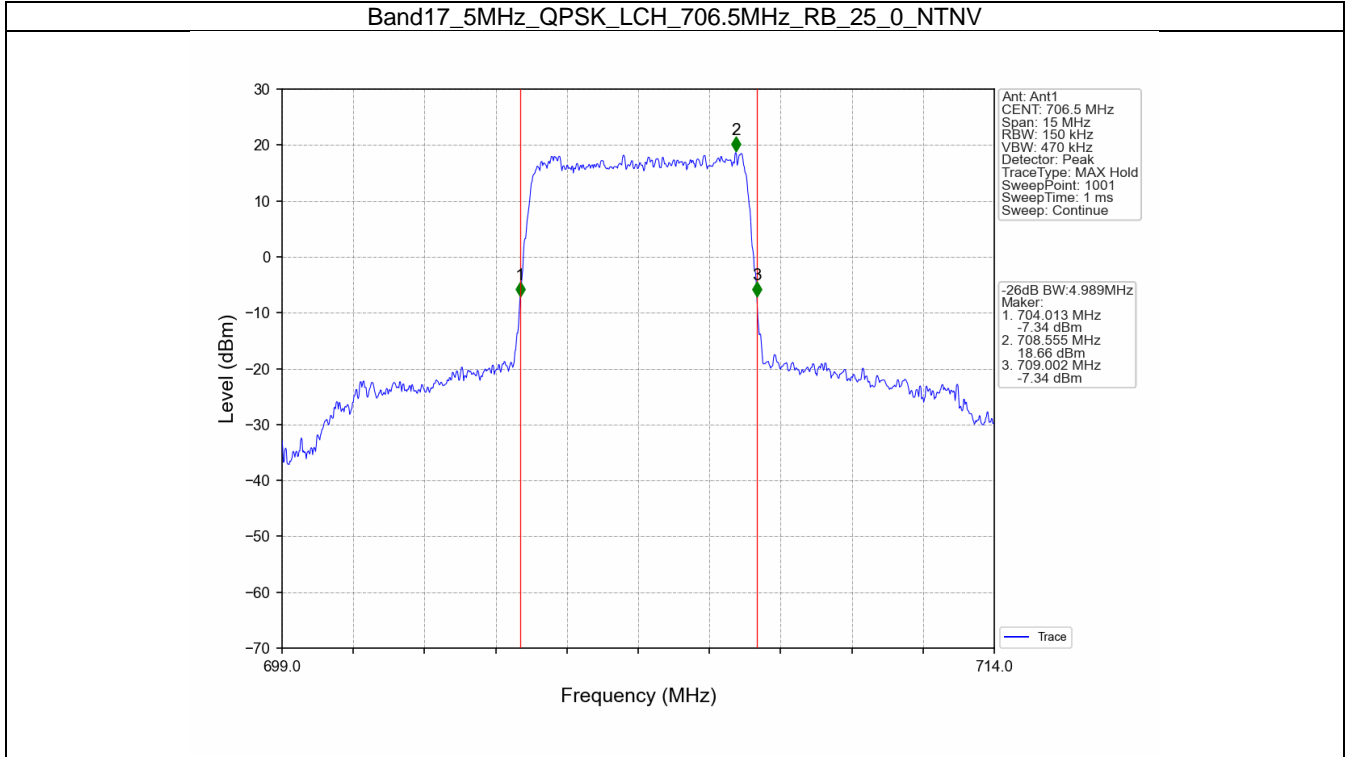


4.2 Band17_XDB

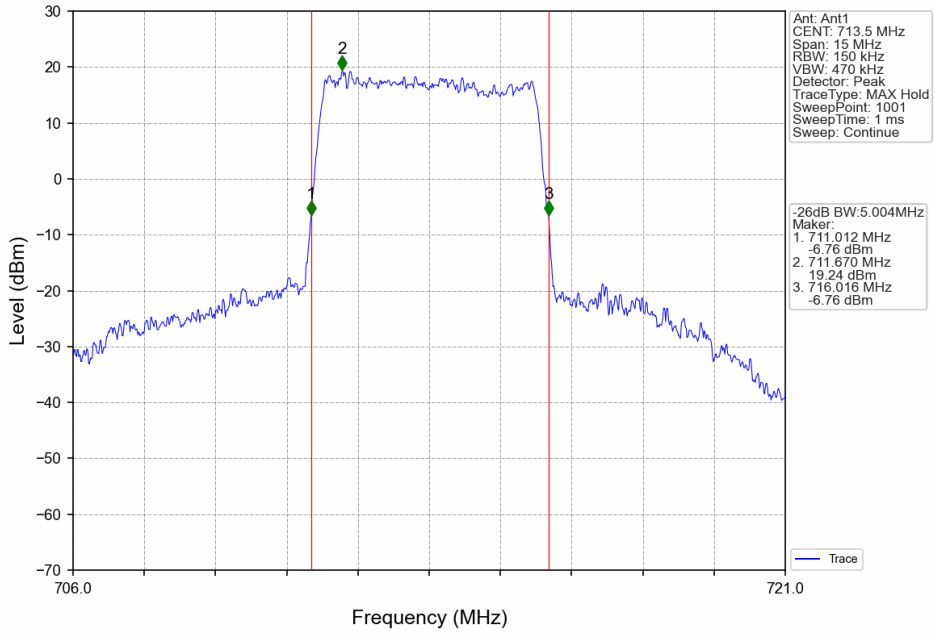
4.2.1 Test Result

Band: 17 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	706.5	25	0	4.989	Pass
		710	25	0	4.983	Pass
		713.5	25	0	5.004	Pass
	16QAM	706.5	25	0	5.052	Pass
		710	25	0	4.971	Pass
		713.5	25	0	4.997	Pass
10	QPSK	709	50	0	9.889	Pass
		710	50	0	10.016	Pass
		711	50	0	9.928	Pass
	16QAM	709	50	0	9.832	Pass
		710	50	0	9.814	Pass
		711	50	0	9.791	Pass

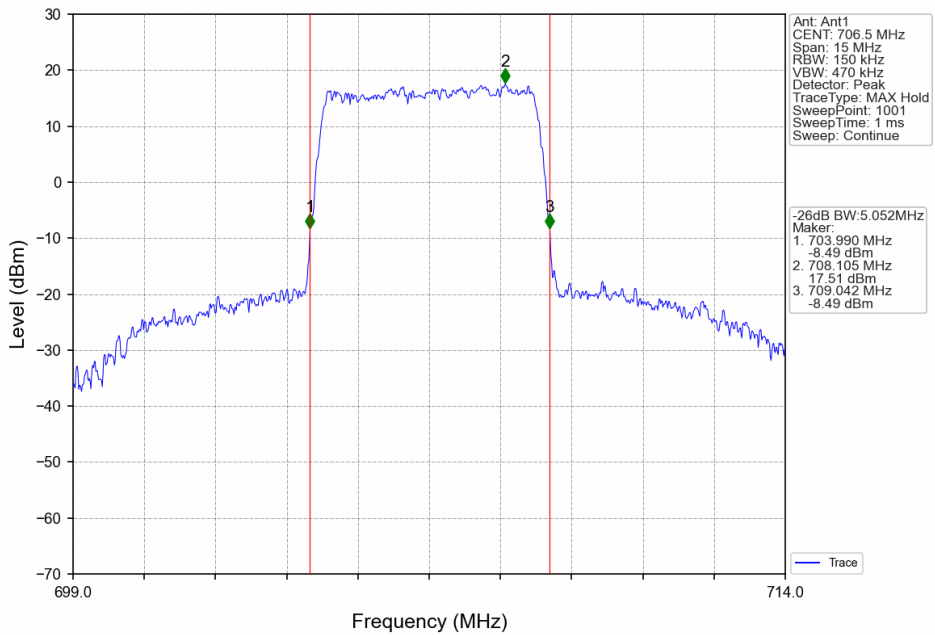
4.2.2 Test Graph



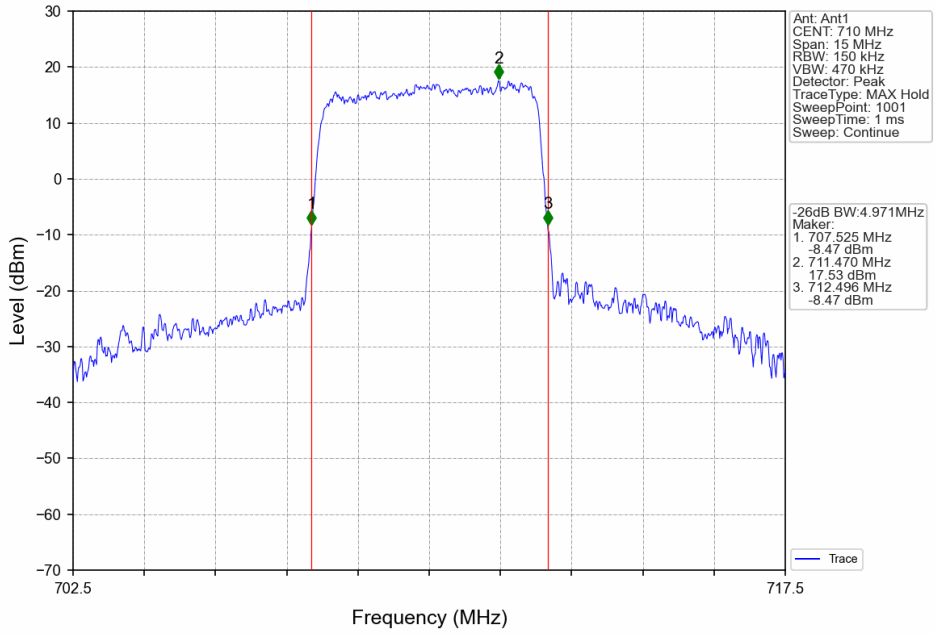
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



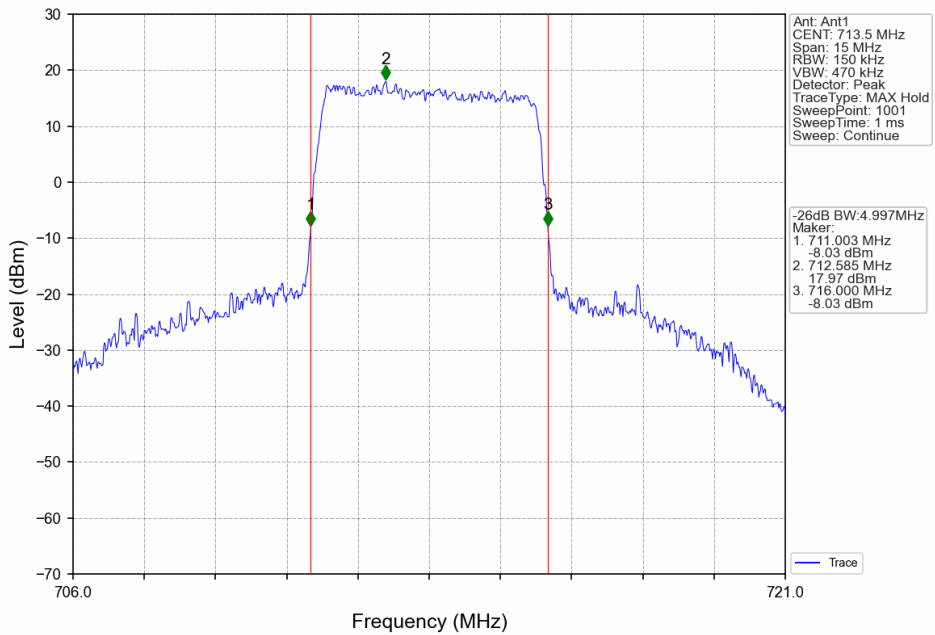
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



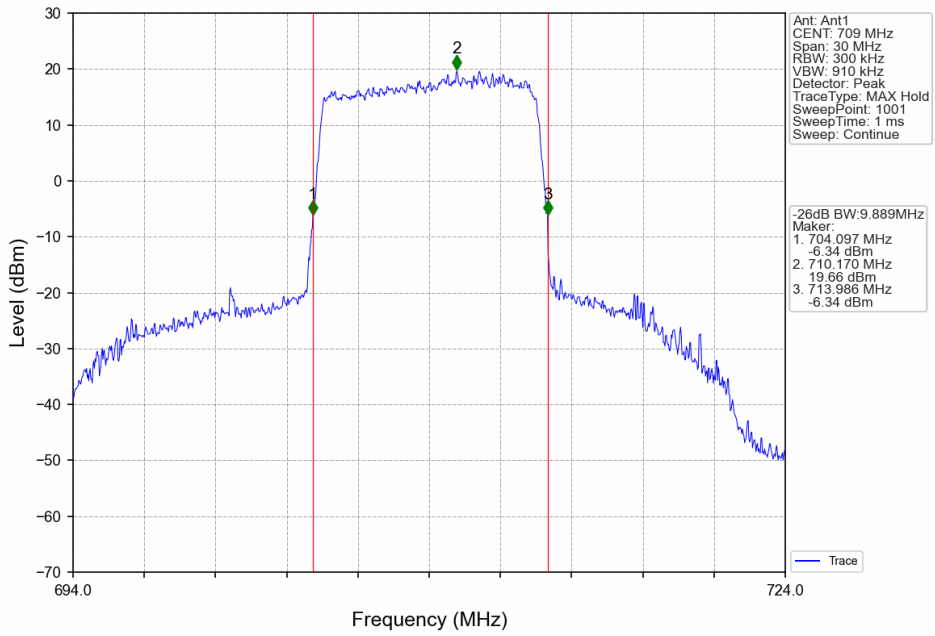
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



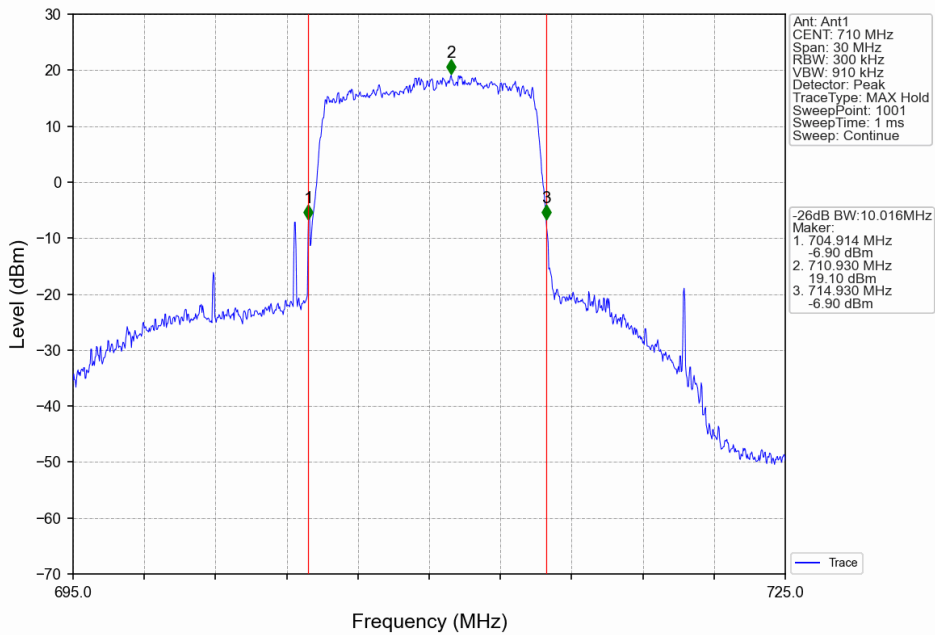
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



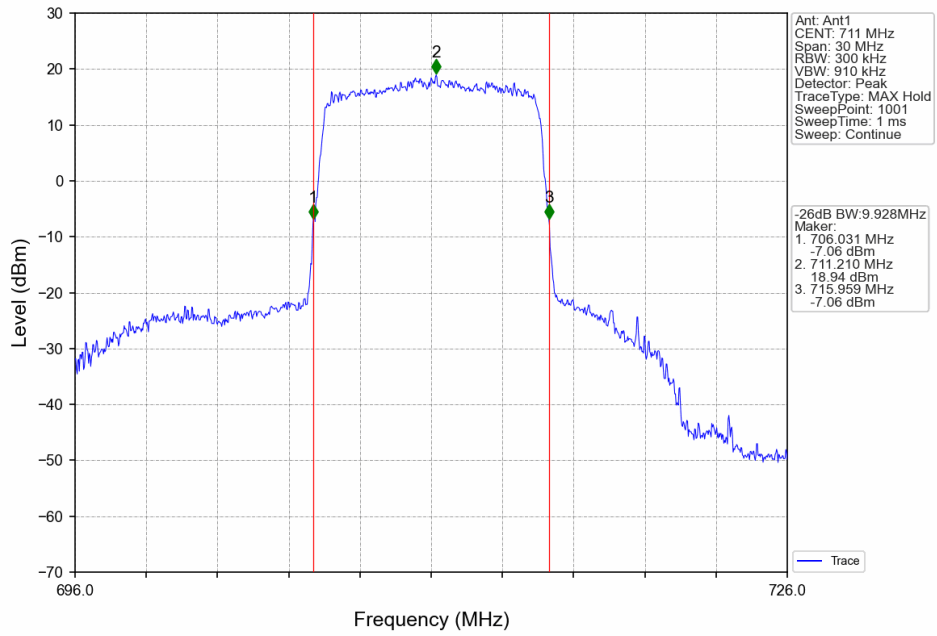
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



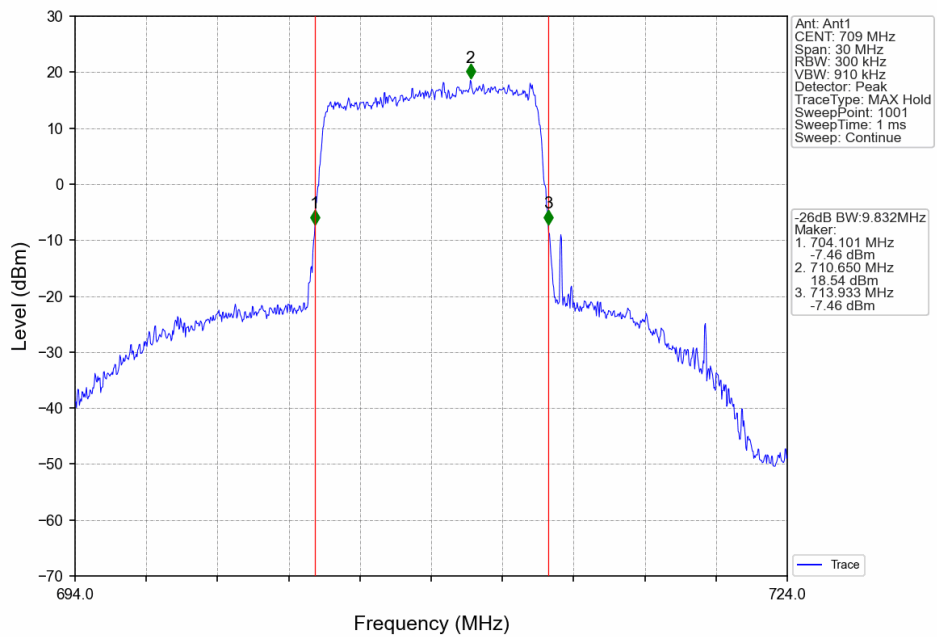
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



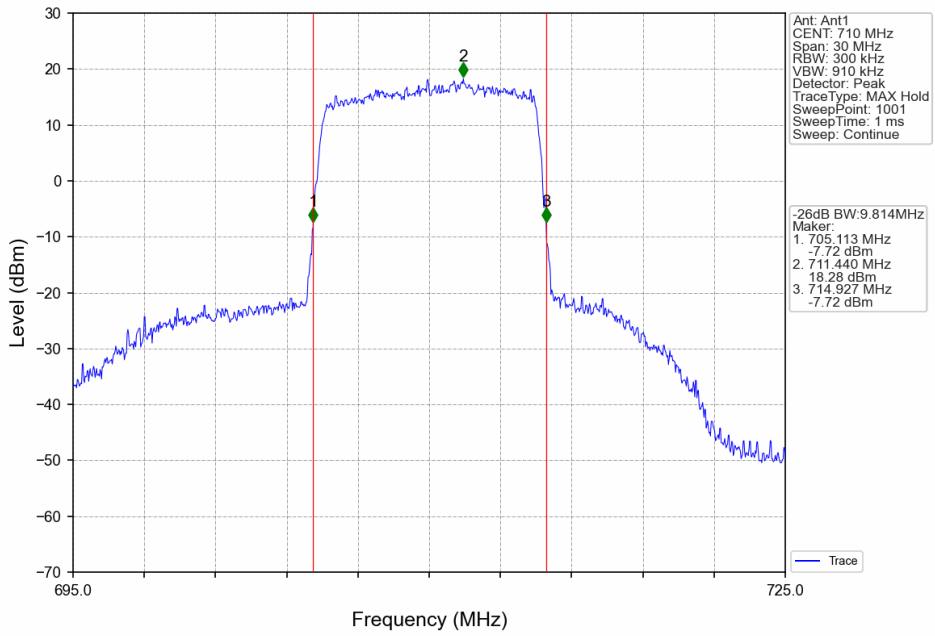
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



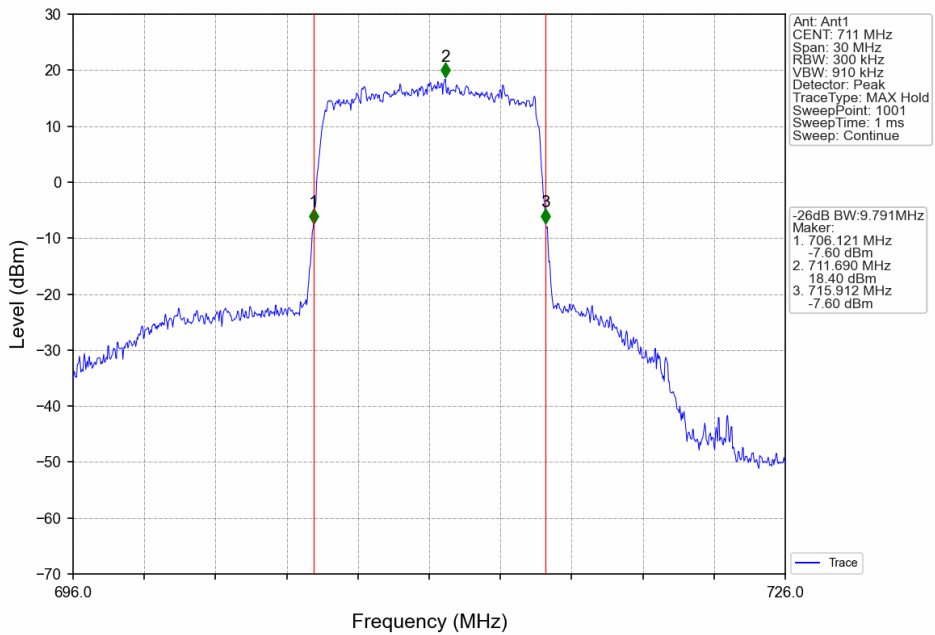
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



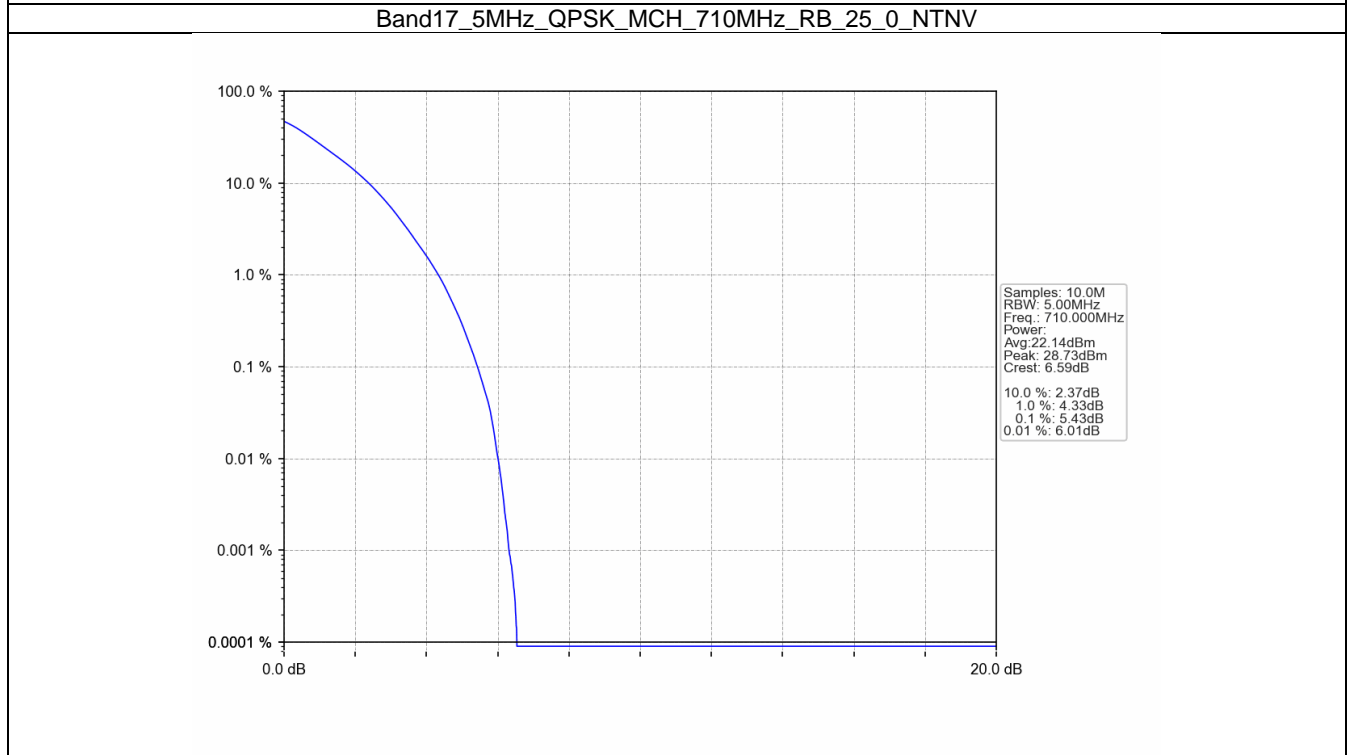
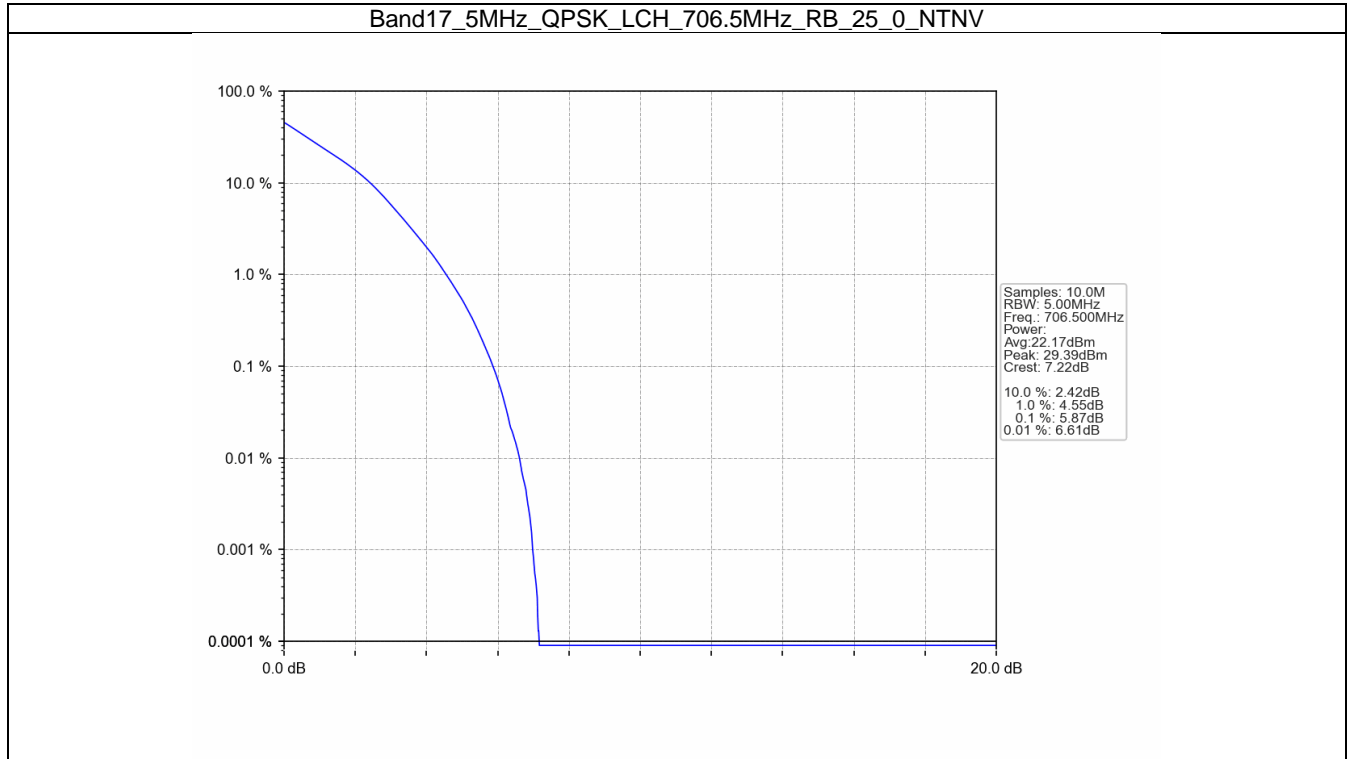
5. Peak-Average Ratio

5.1 B17_5MHz

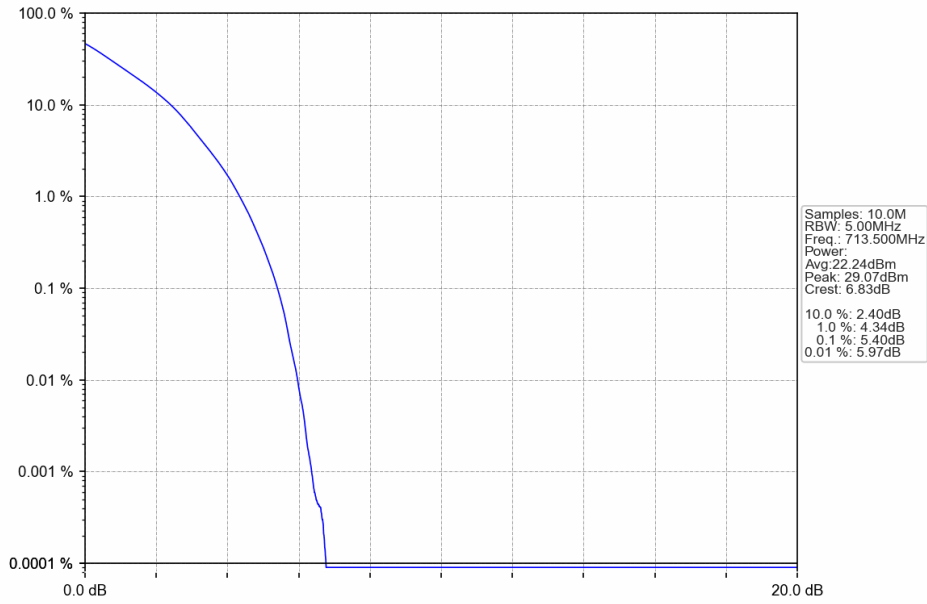
5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.87	<=13	Pass
	710	25	0	5.43	<=13	Pass
	713.5	25	0	5.40	<=13	Pass
16QAM	706.5	25	0	6.50	<=13	Pass
	710	25	0	6.15	<=13	Pass
	713.5	25	0	6.13	<=13	Pass

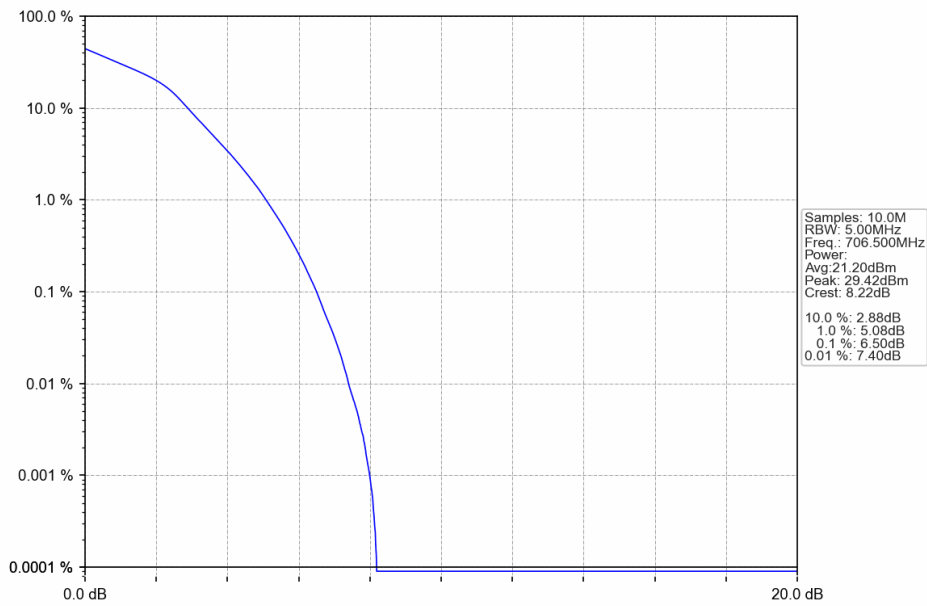
5.1.2 Test Graph



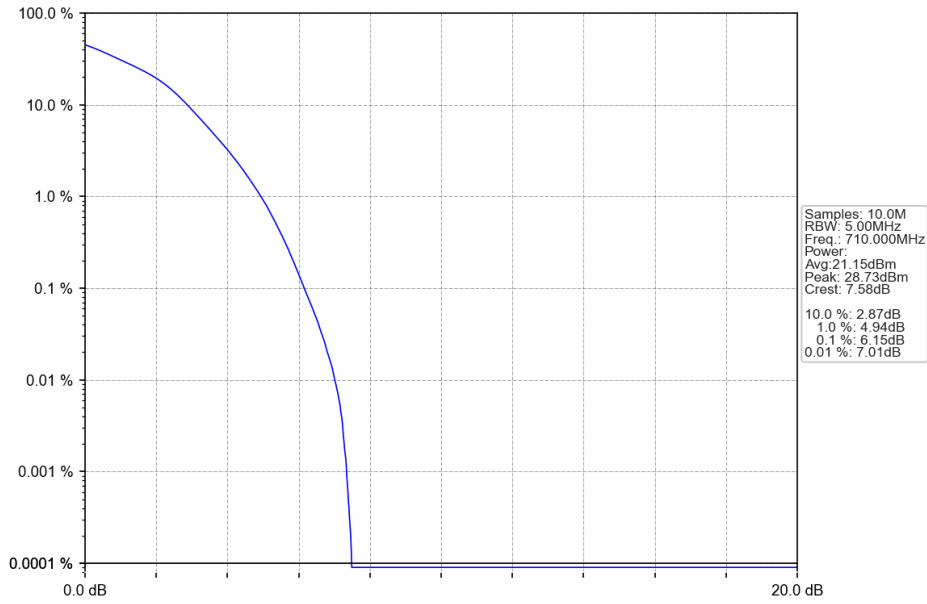
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



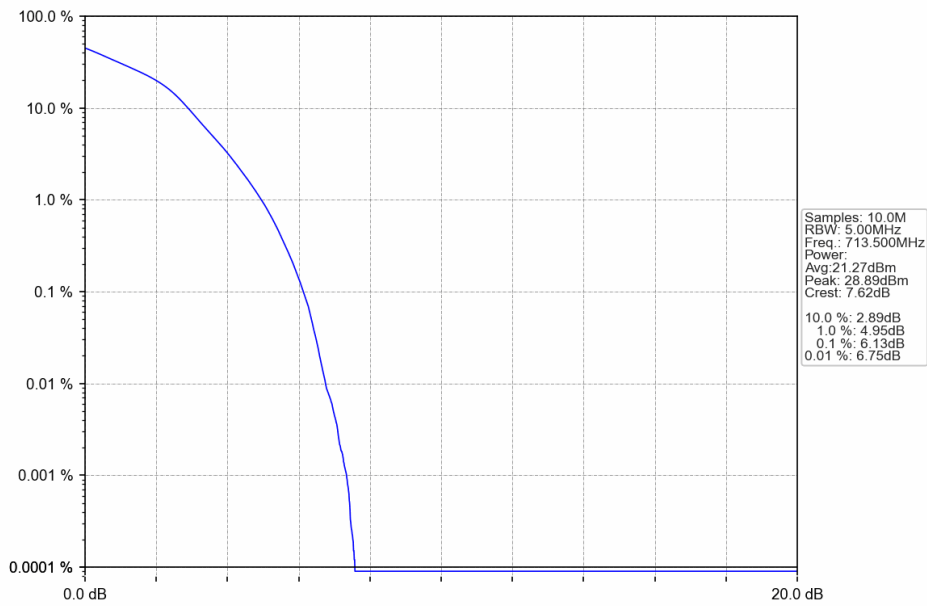
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

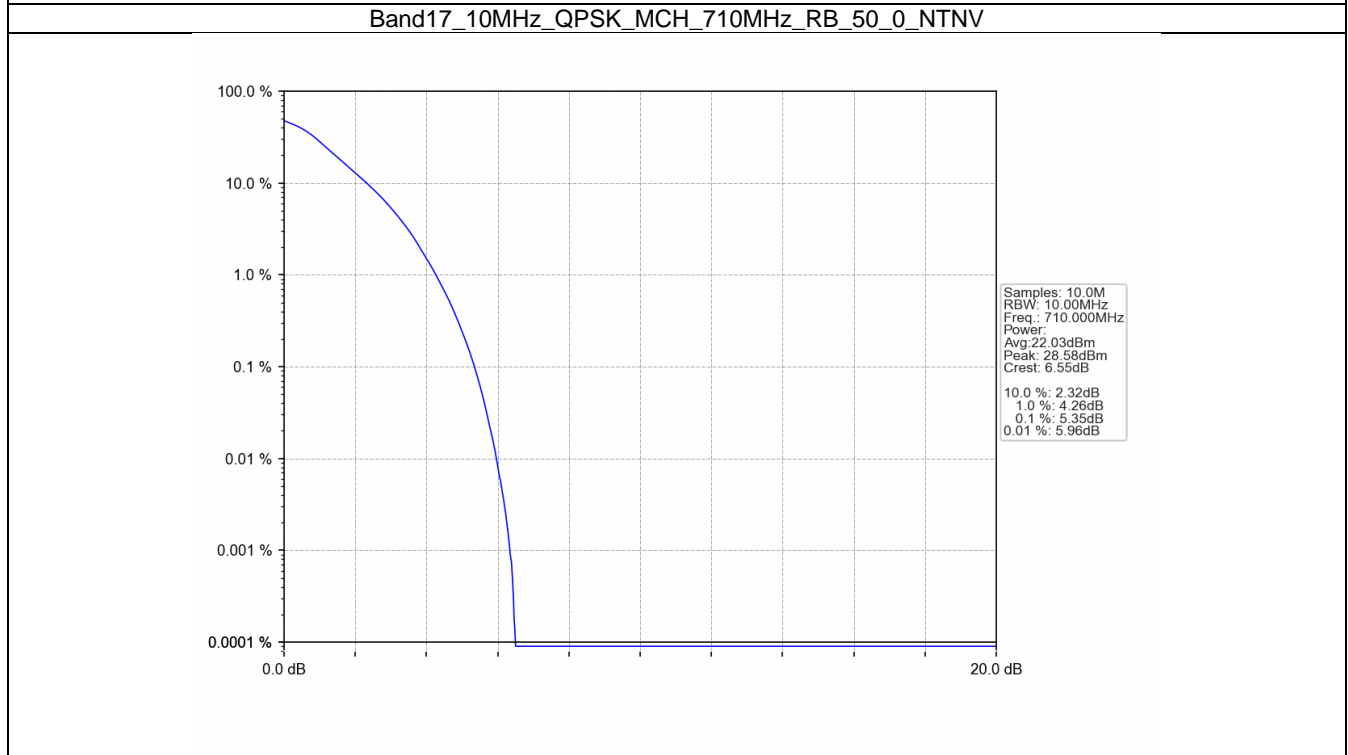
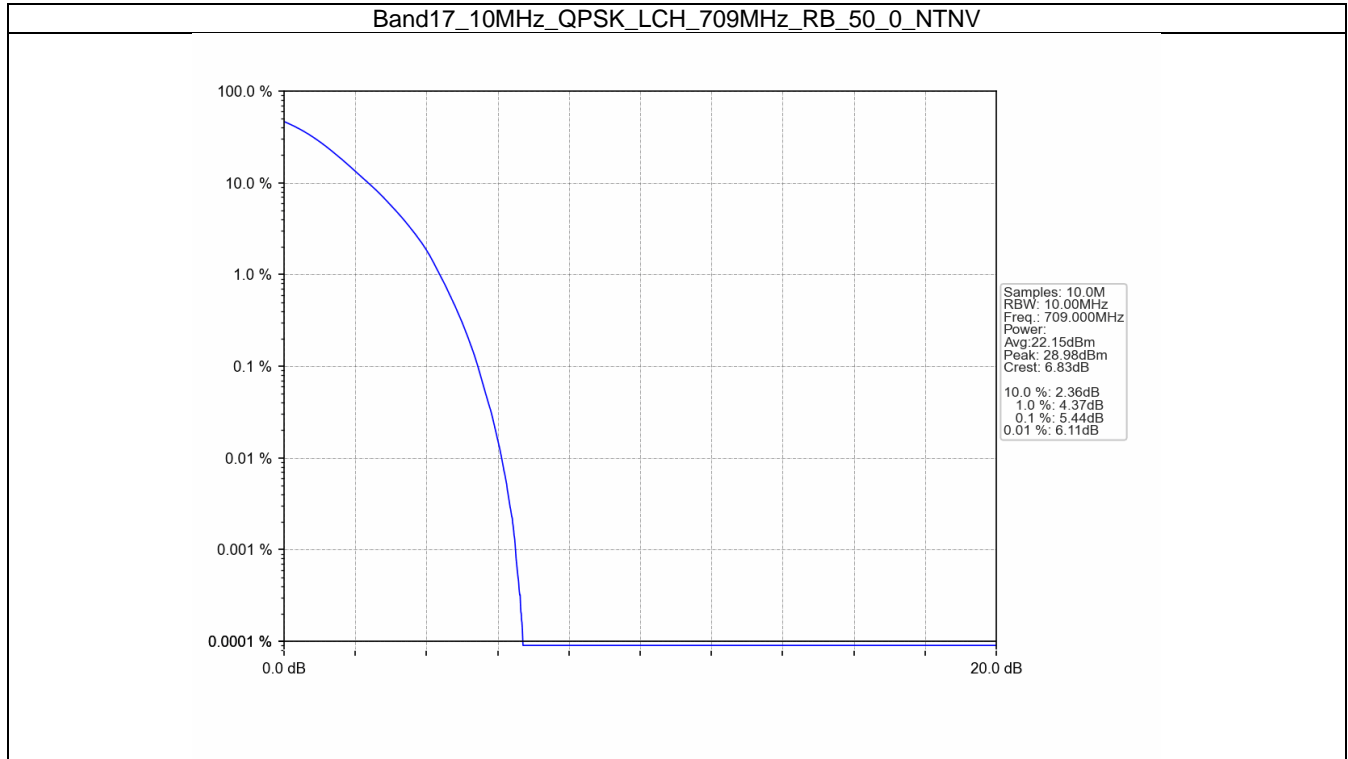


5.2 B17_10MHz

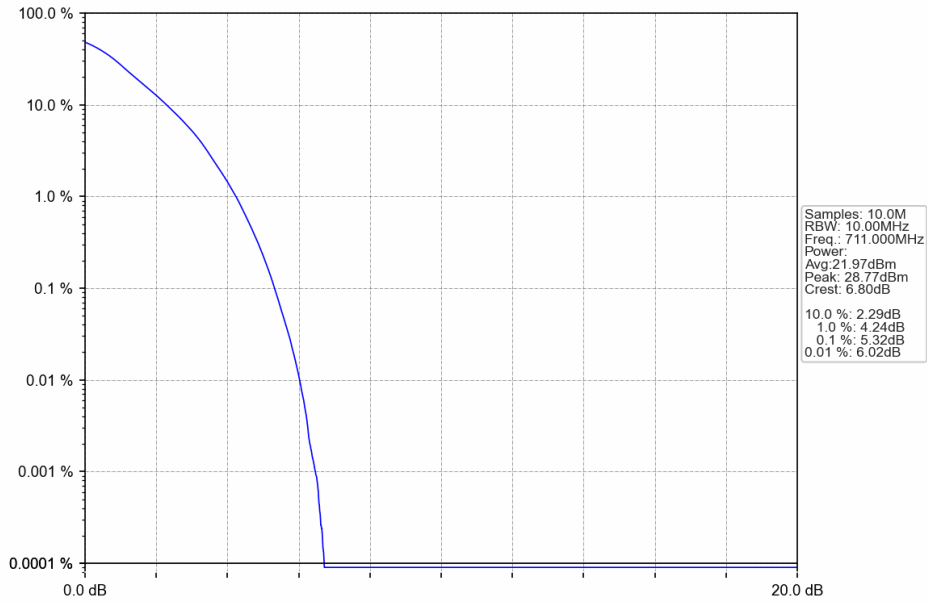
5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.44	<=13	Pass
	710	50	0	5.35	<=13	Pass
	711	50	0	5.32	<=13	Pass
16QAM	709	50	0	6.25	<=13	Pass
	710	50	0	6.20	<=13	Pass
	711	50	0	6.13	<=13	Pass

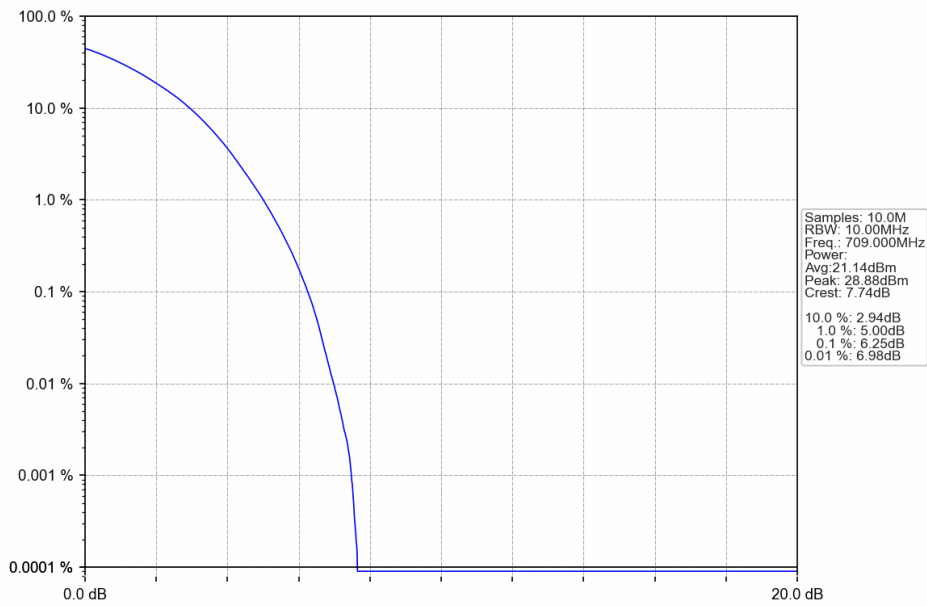
5.2.2 Test Graph



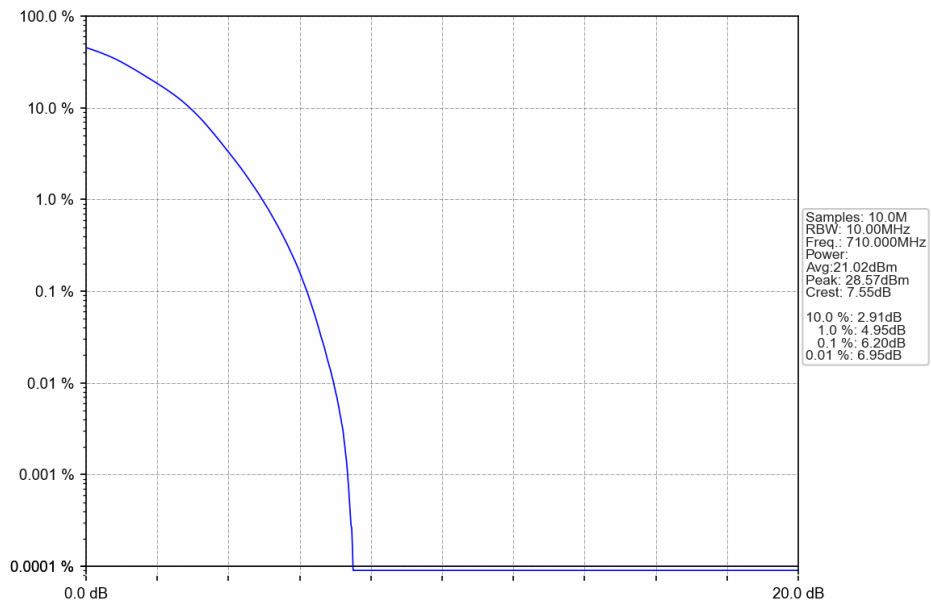
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



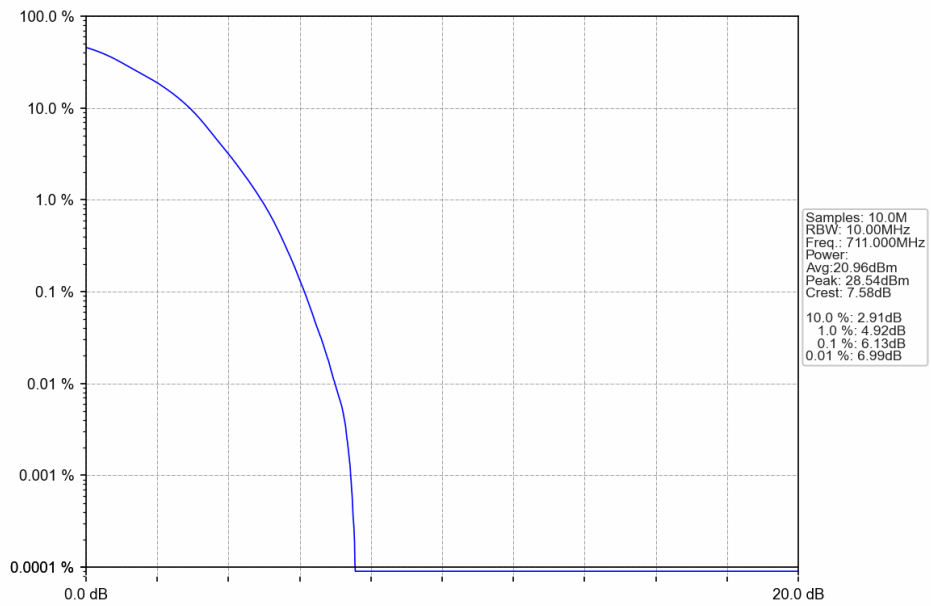
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



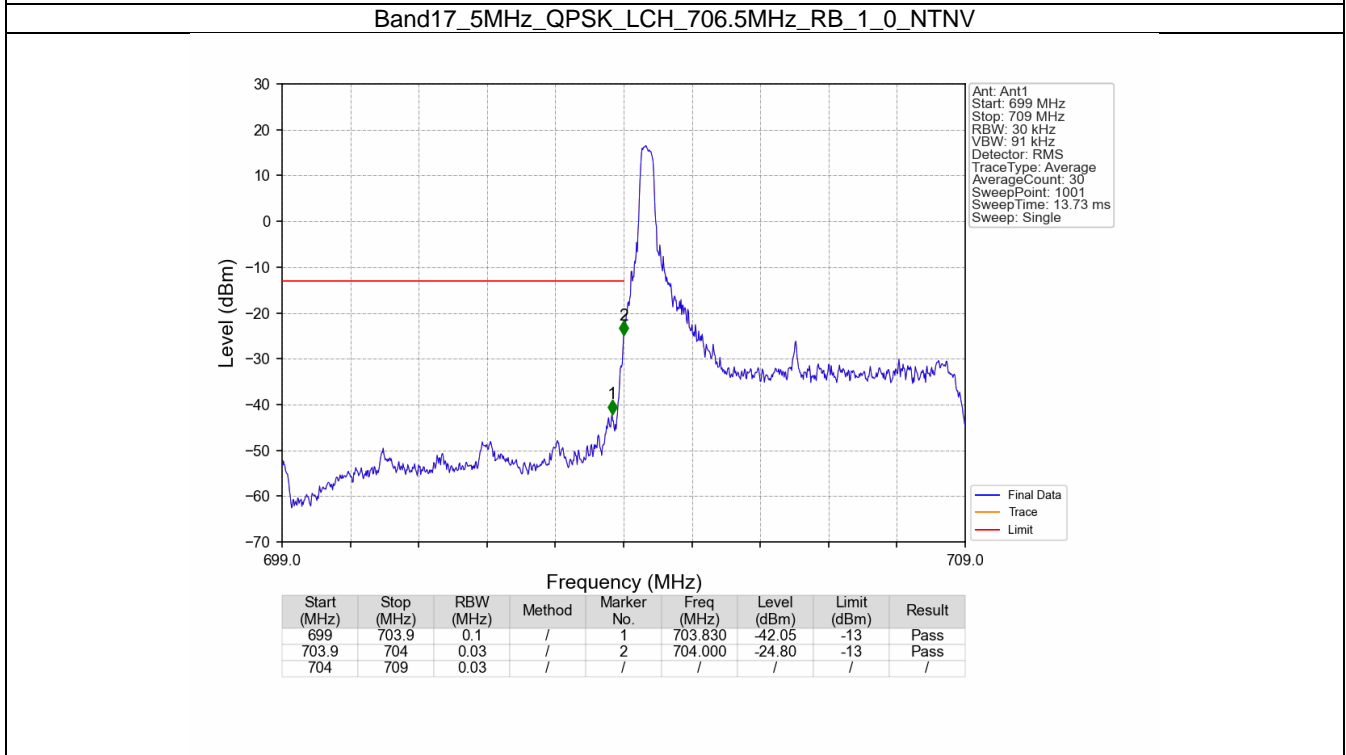
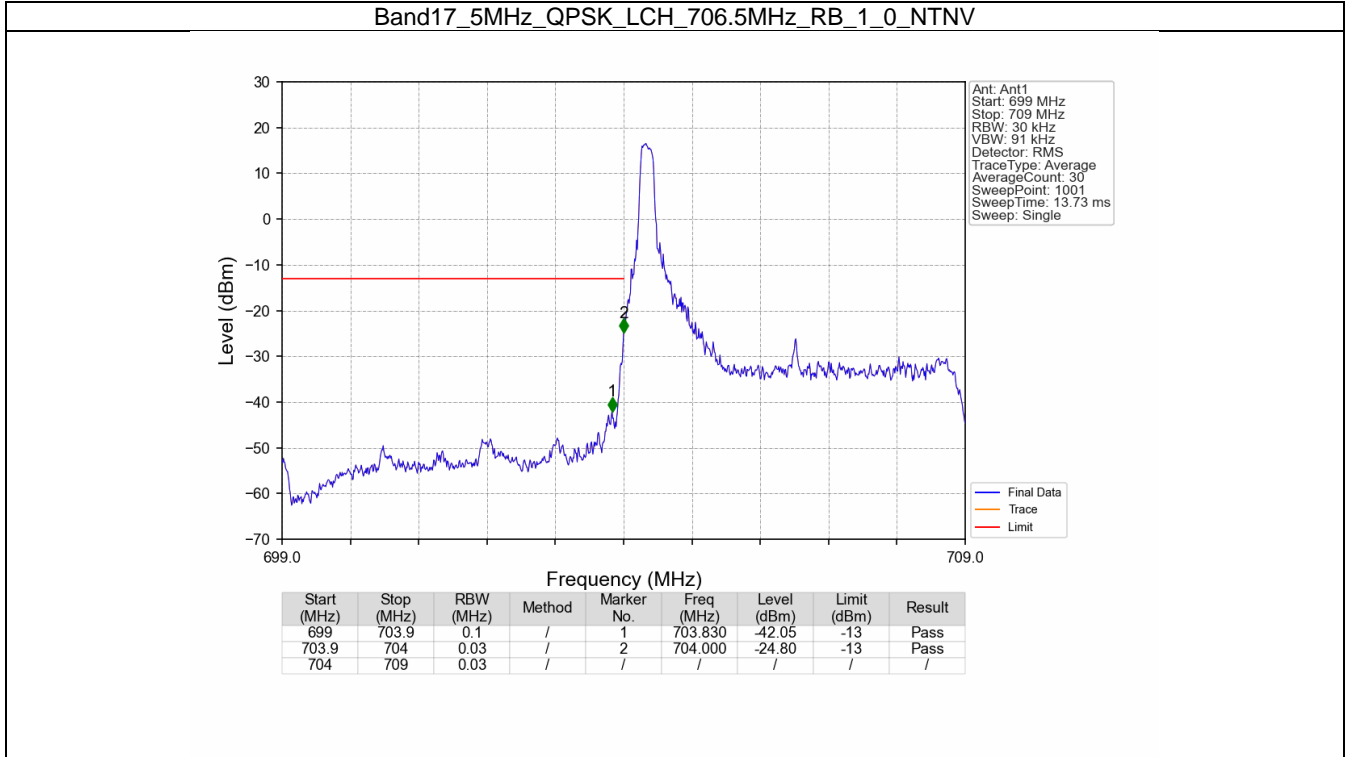
6. Spurious Emission

6.1 B17_5MHz

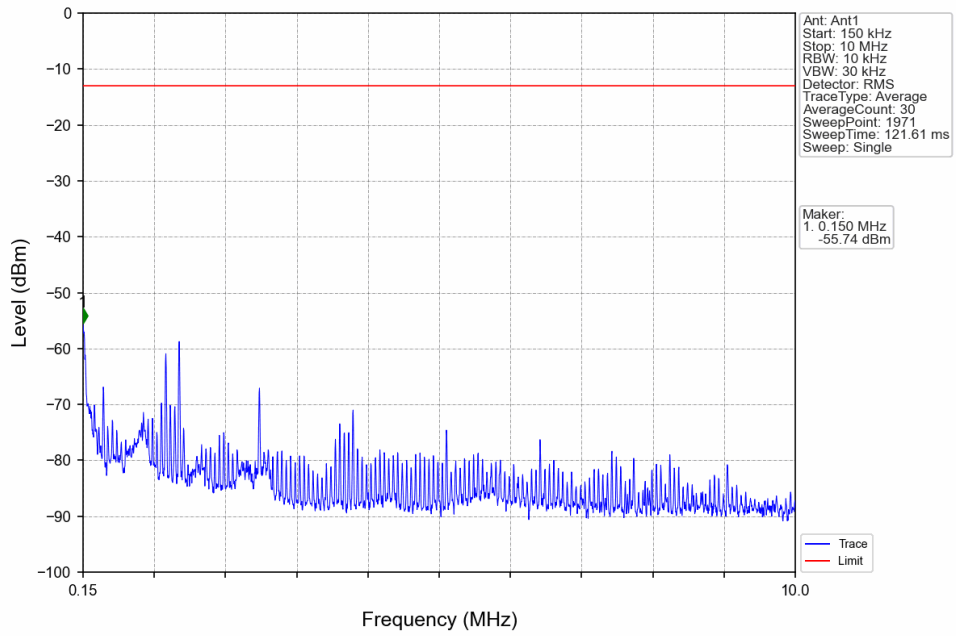
6.1.1 Test Result

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	0	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	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

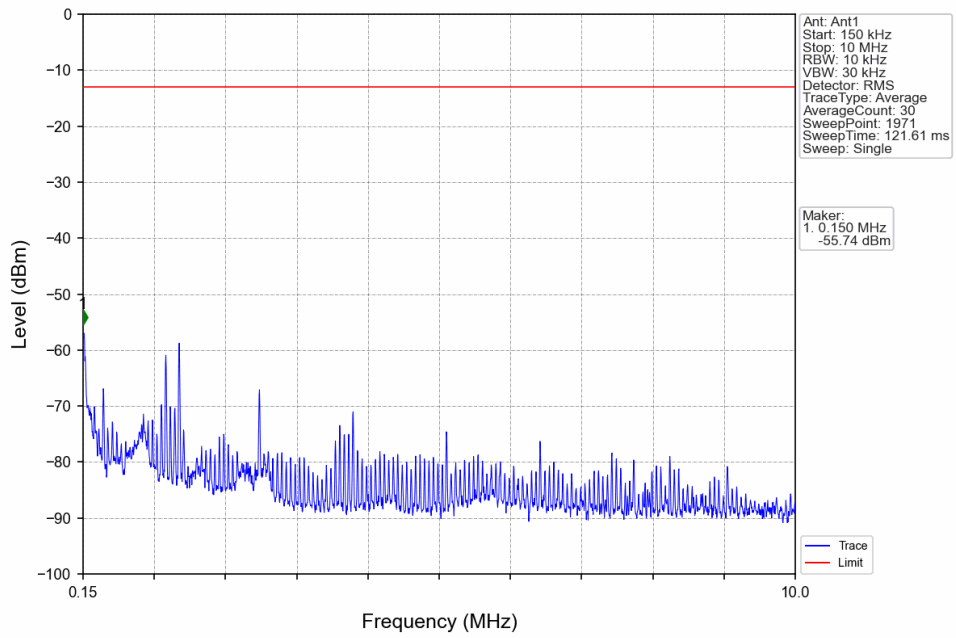
6.1.2 Test Graph



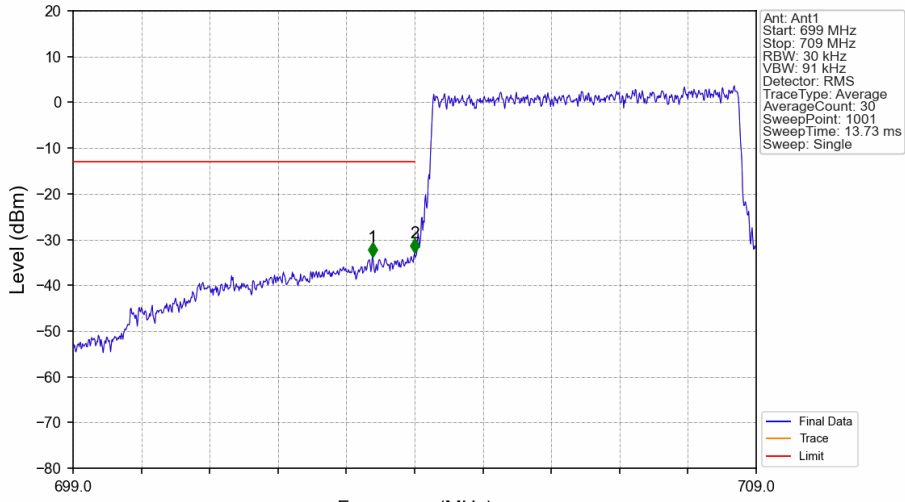
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

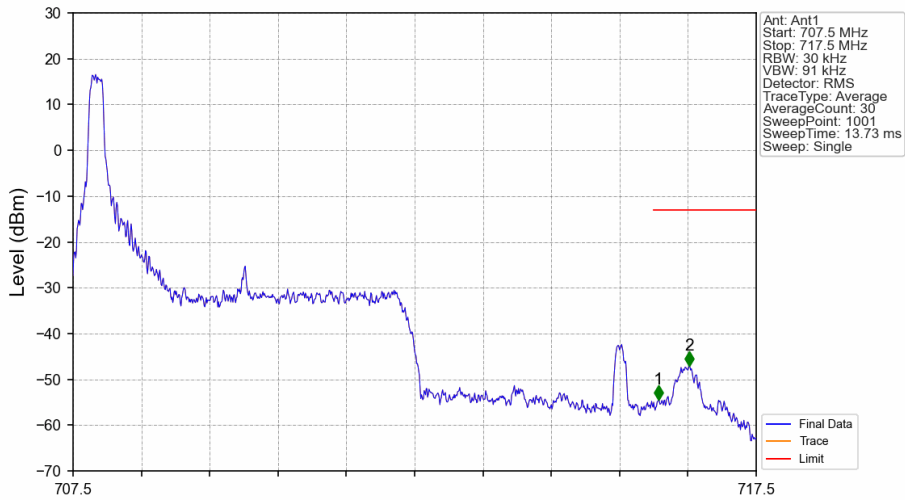


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



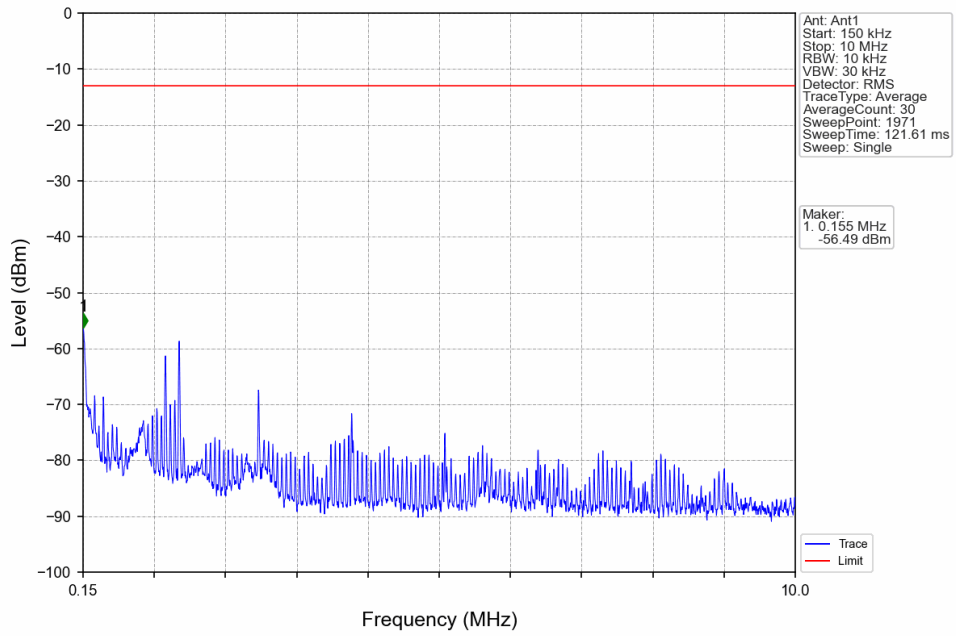
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.380	-33.83	-13	Pass
703.9	704	0.03	/	2	704.000	-32.96	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV

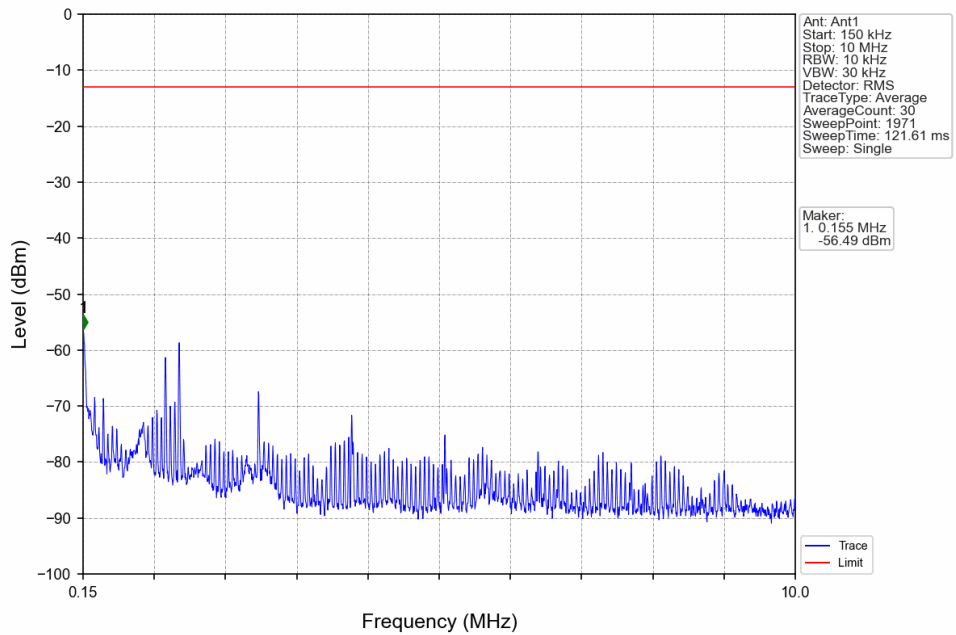


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
707.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.070	-54.39	-13	Pass
716.1	717.5	0.1	/	2	716.520	-47.01	-13	Pass

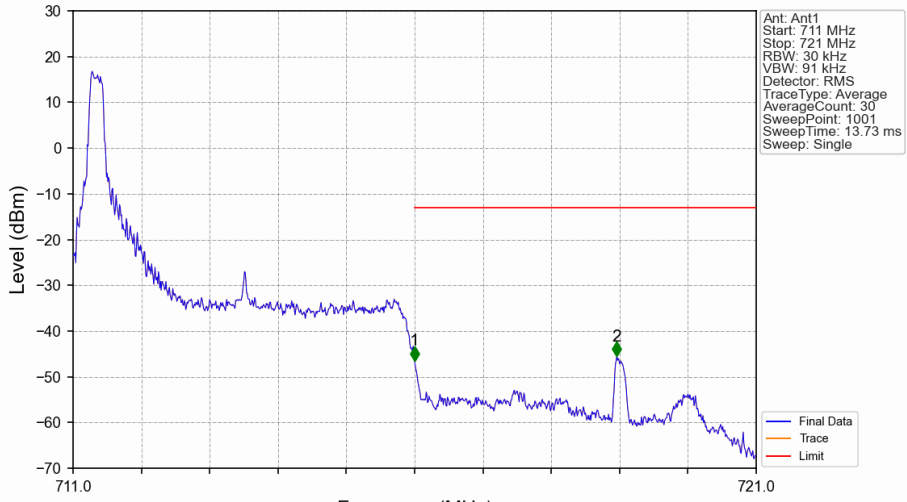
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV

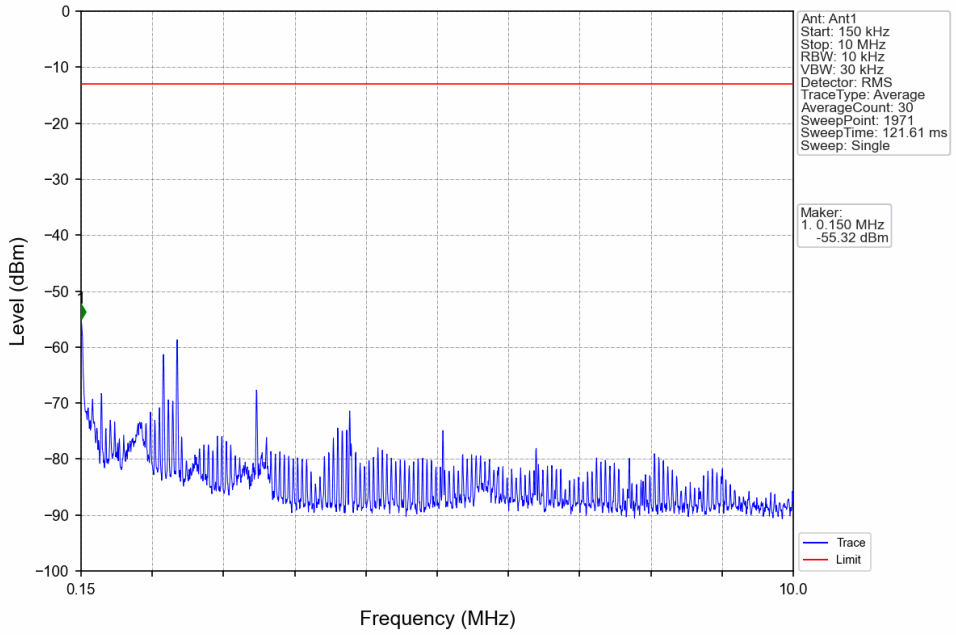


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

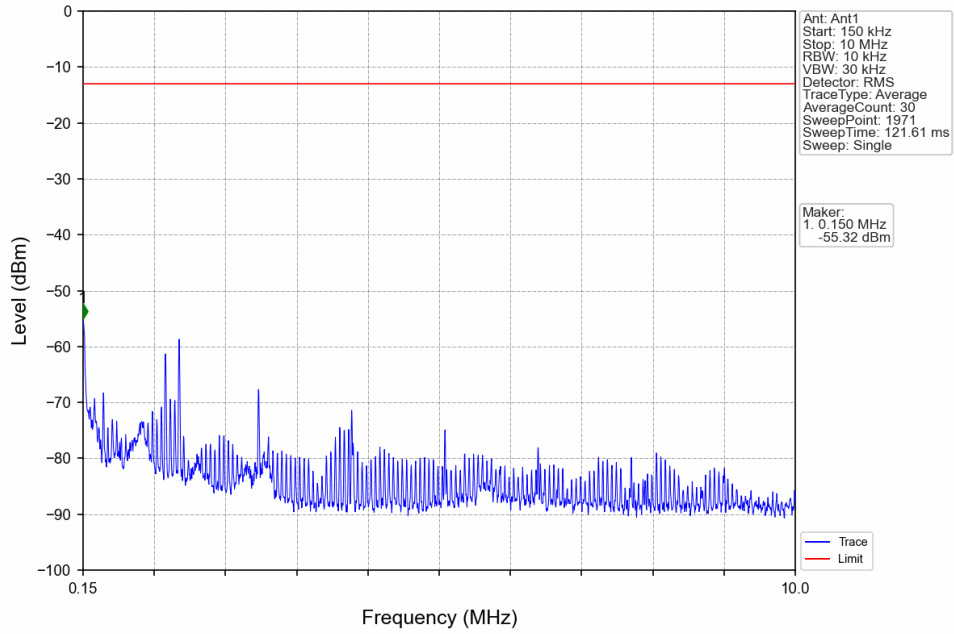


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-46.47	-13	Pass
716.1	721	0.1	/	2	718.960	-45.47	-13	Pass

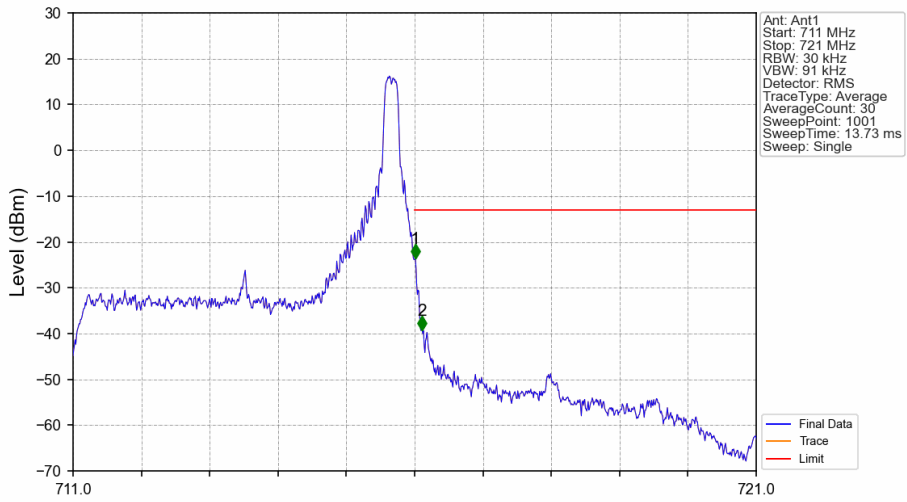
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

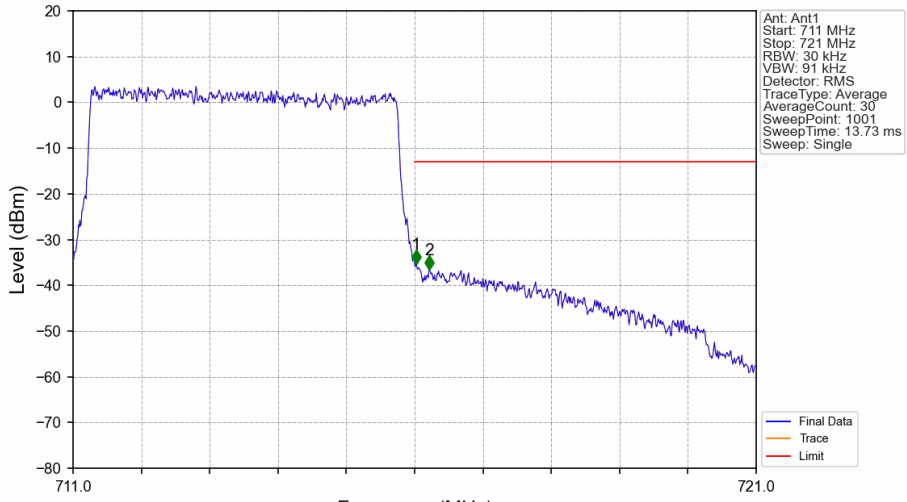


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



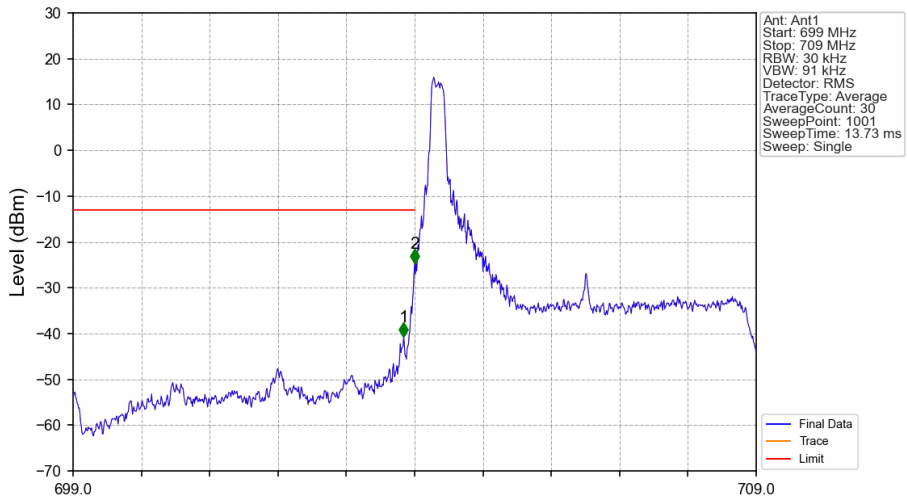
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-23.58	-13	Pass
716.1	721	0.1	/	2	716.110	-39.32	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



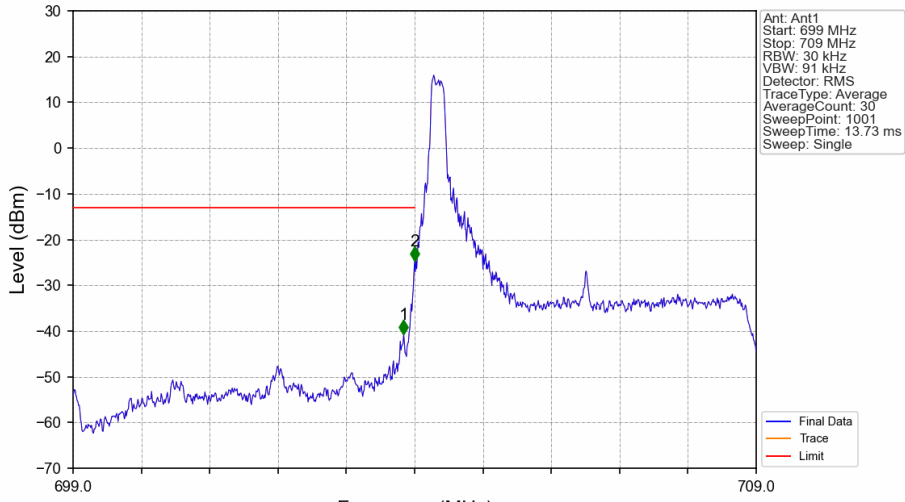
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.020	-35.39	-13	Pass
716.1	721	0.1	/	2	716.210	-36.67	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



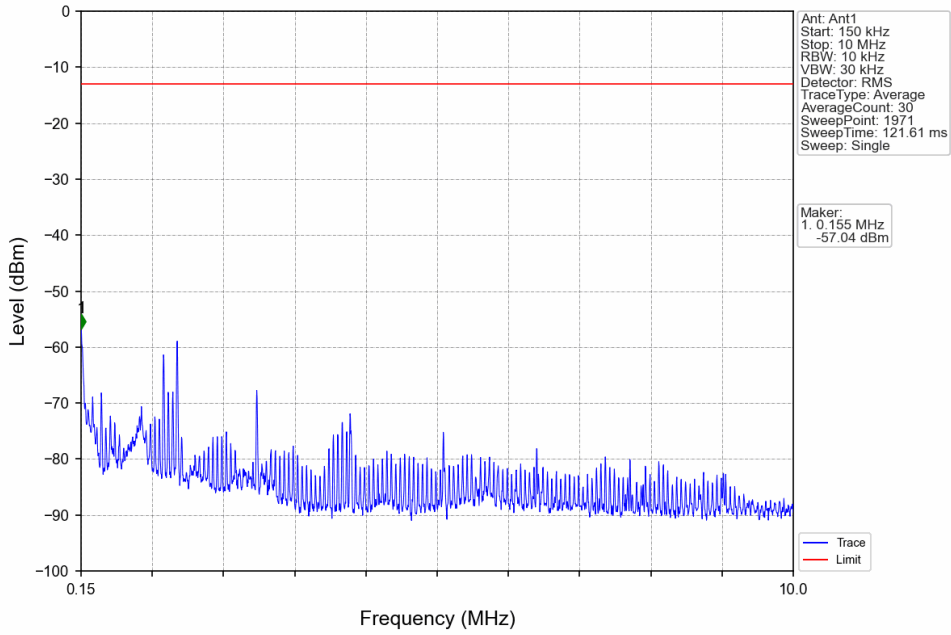
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.840	-40.75	-13	Pass
703.9	704	0.03	/	2	704.000	-24.75	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

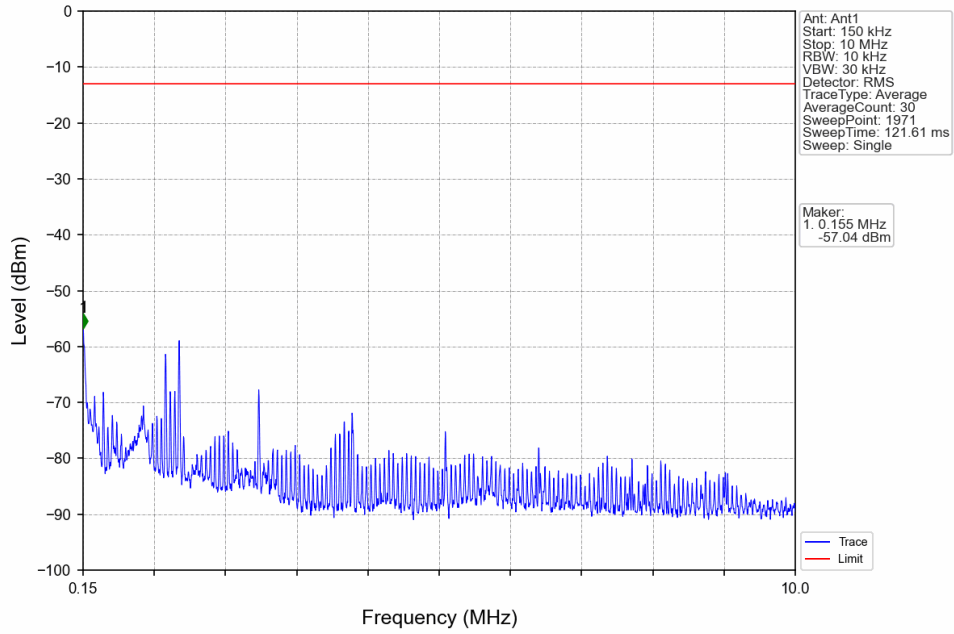


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.840	-40.75	-13	Pass
703.9	704	0.03	/	2	704.000	-24.75	-13	Pass
704	709	0.03	/	/	/	/	/	/

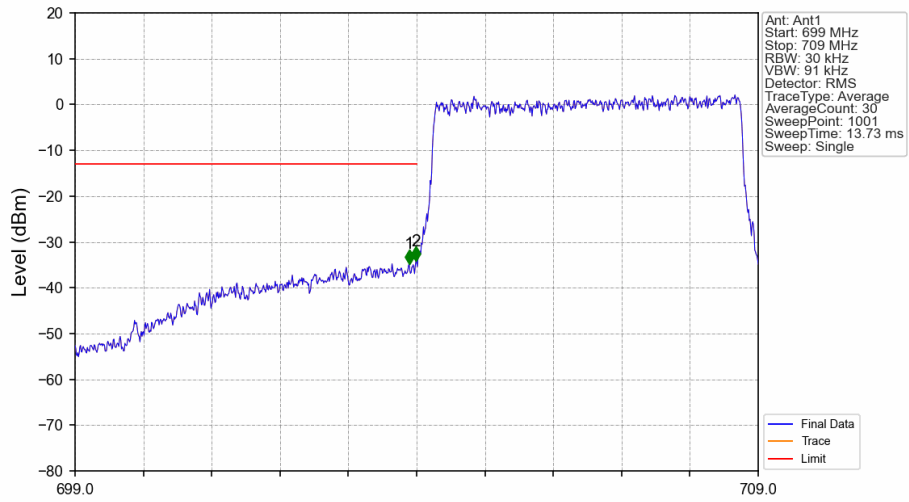
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

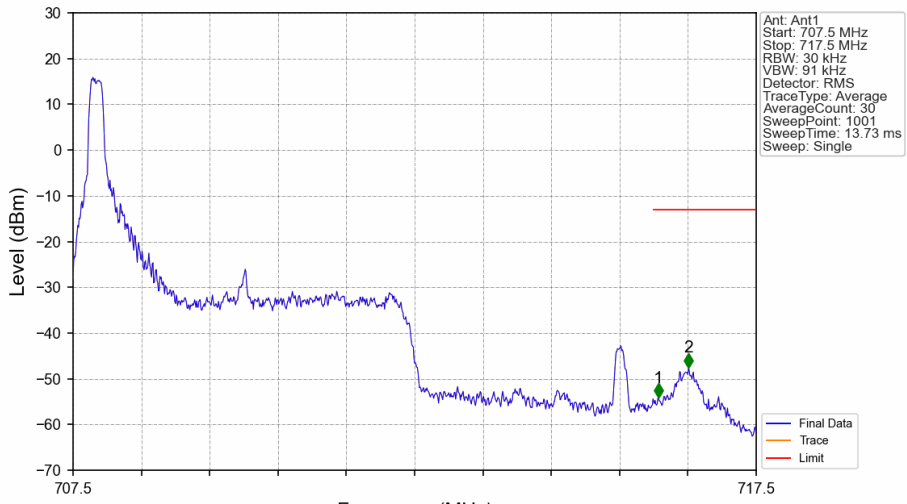


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



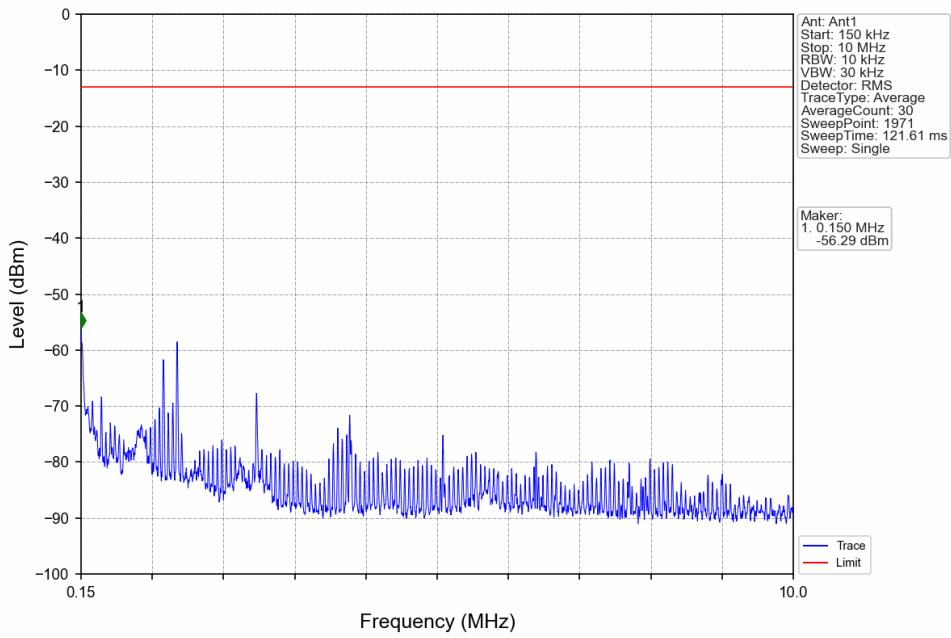
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	/	1	703.890	-34.77	-13	Pass
703.9	704	0.03	/	2	703.990	-34.18	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV

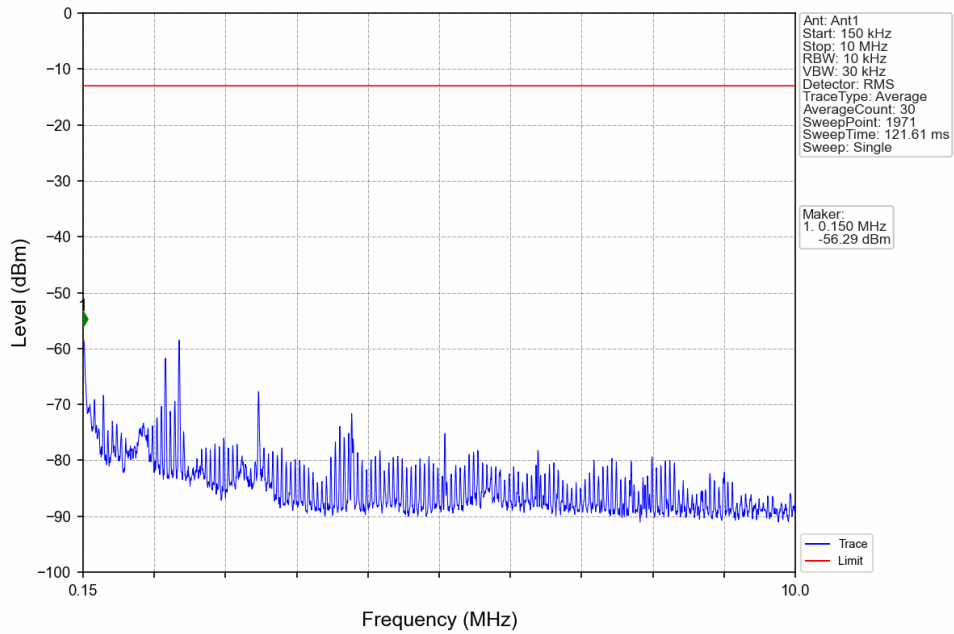


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
707.5	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.070	-54.07	-13	Pass
716.1	717.5	0.1	/	2	716.510	-47.54	-13	Pass

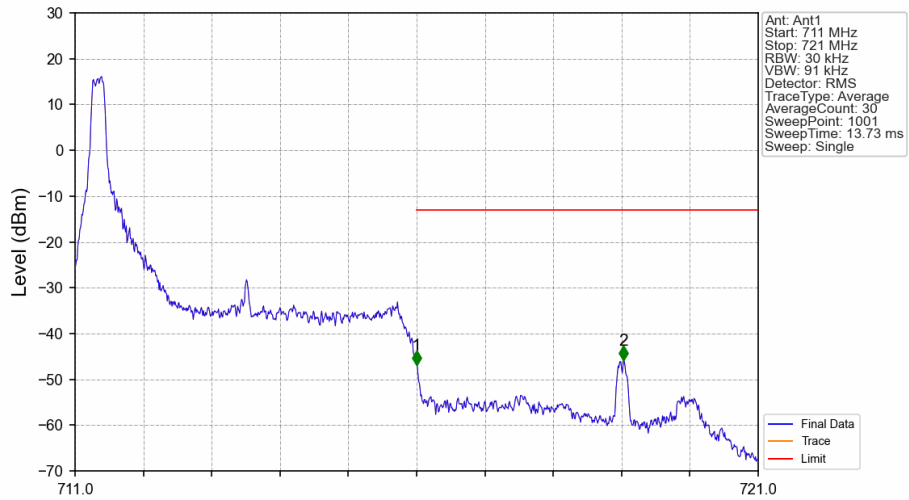
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV

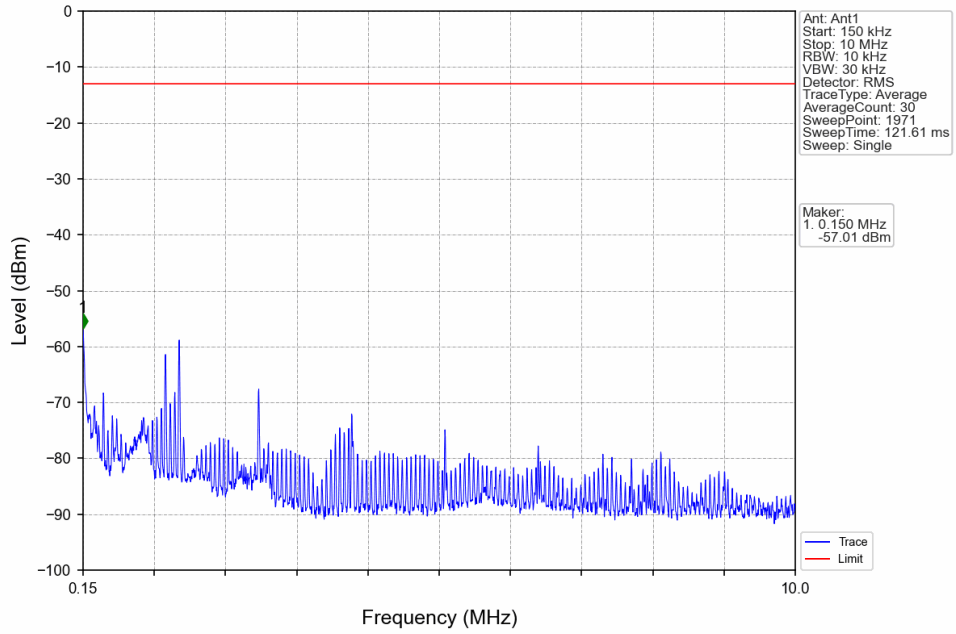


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

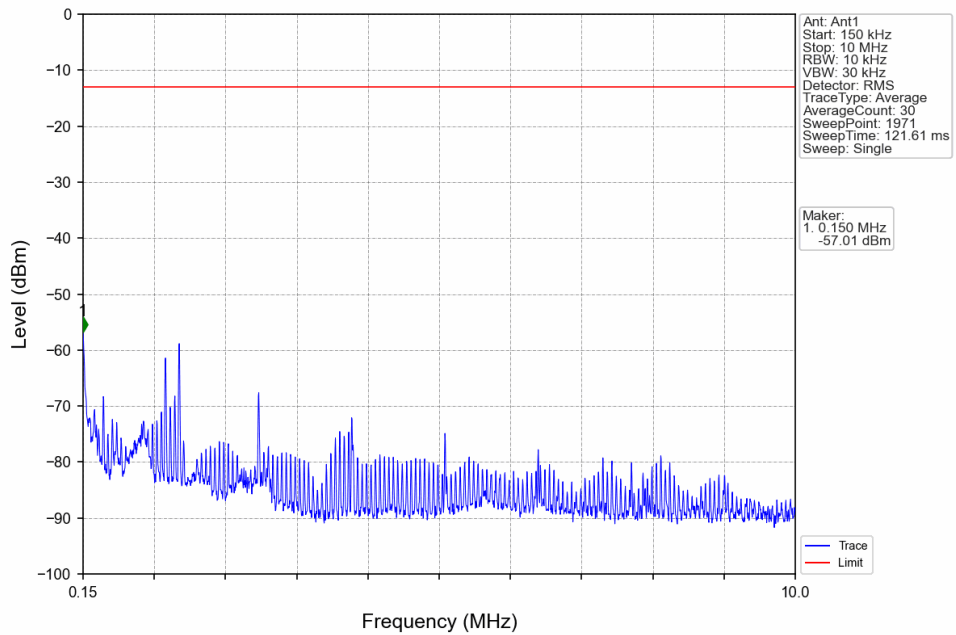


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-46.95	-13	Pass
716.1	721	0.1	/	2	719.030	-45.83	-13	Pass

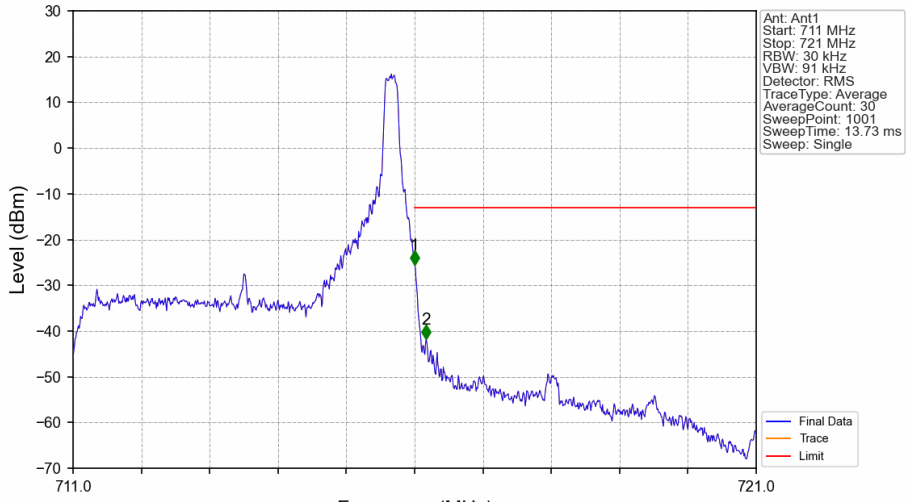
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

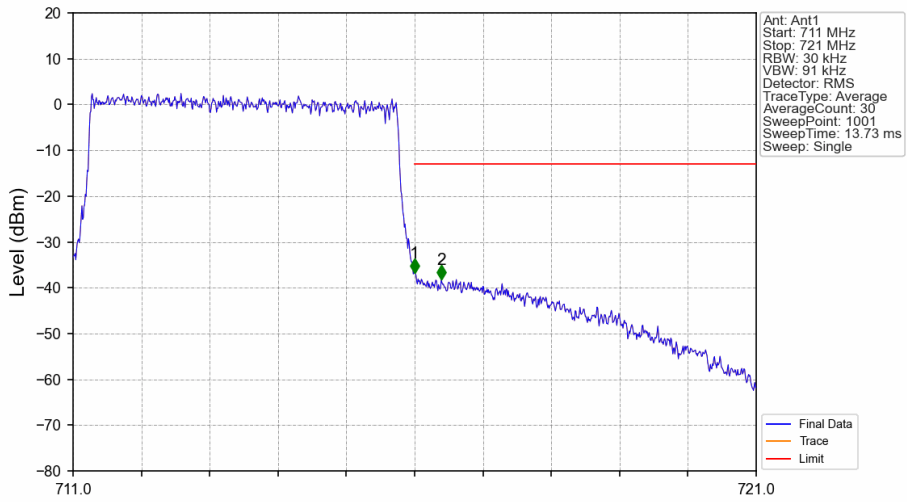


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



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	-25.58	-13	Pass
716.1	721	0.1	/	2	716.170	-41.80	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



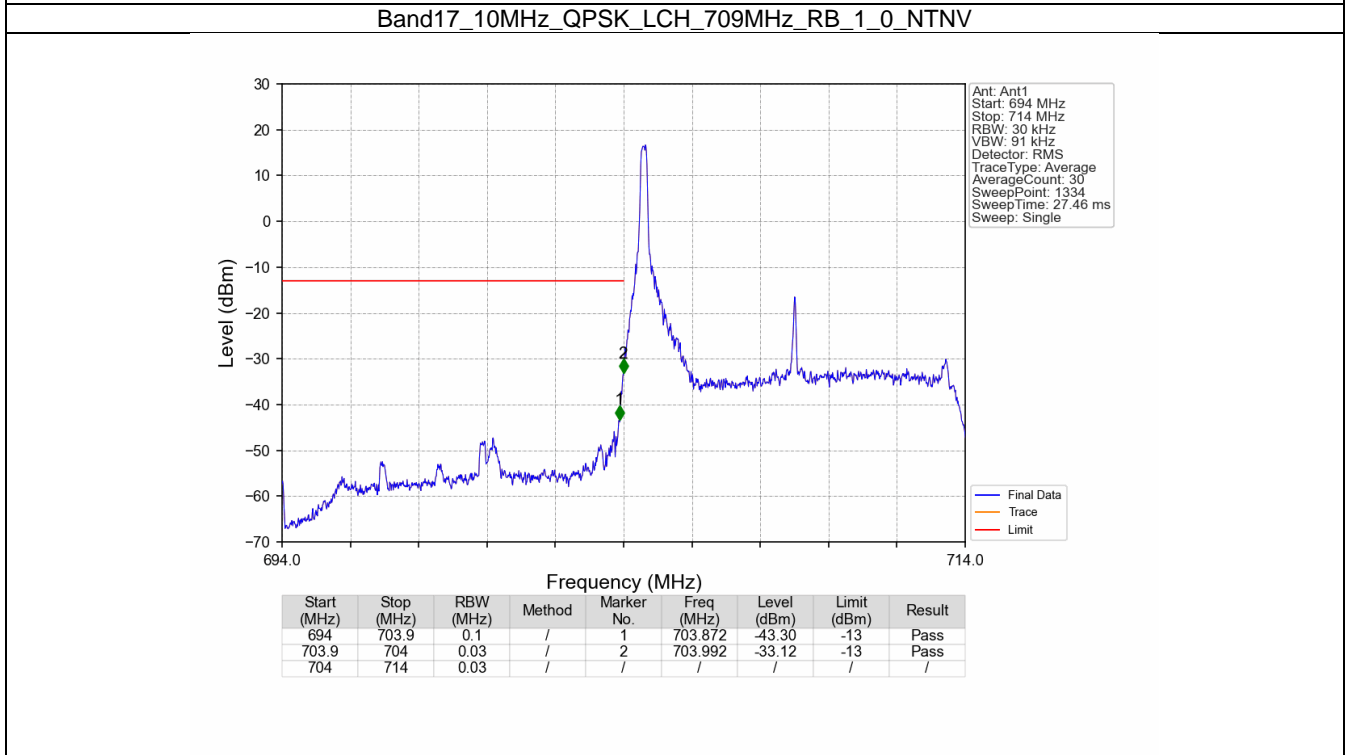
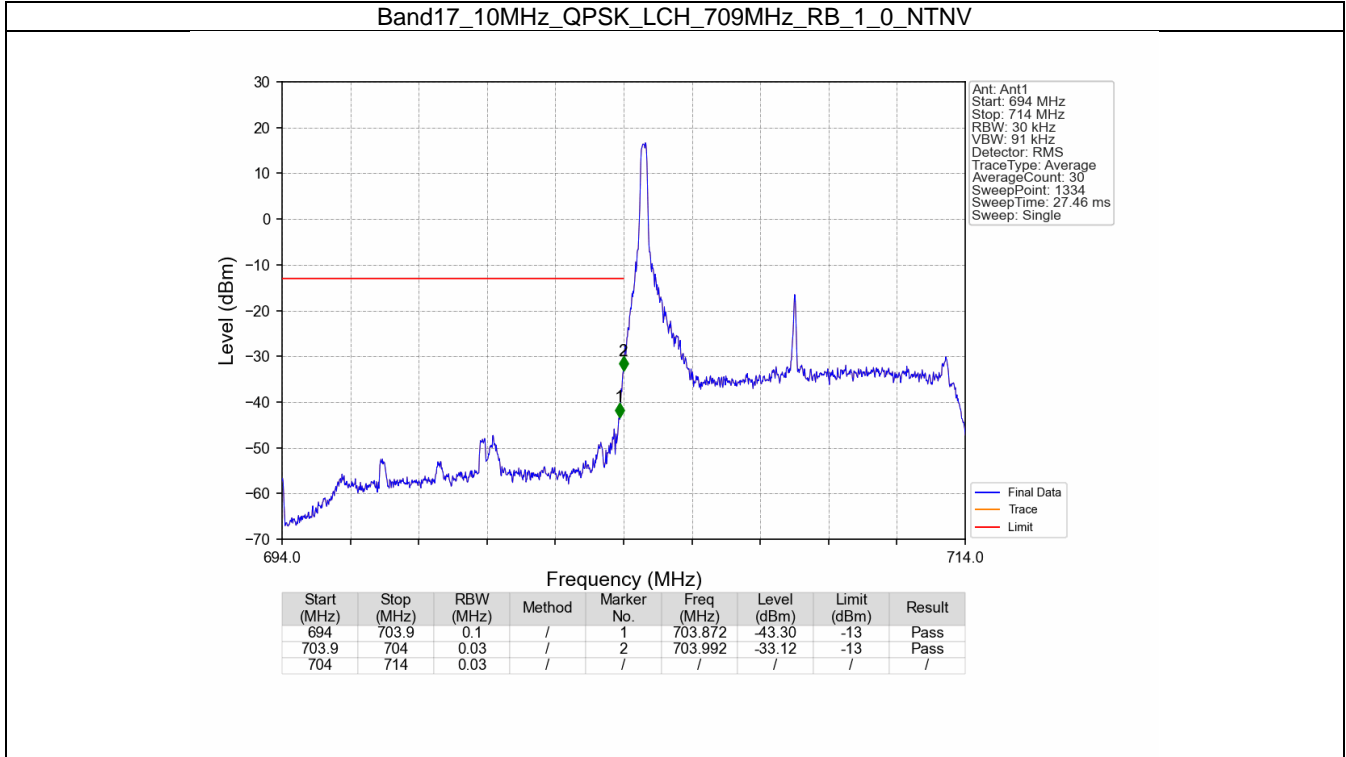
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.000	-36.80	-13	Pass
716.1	721	0.1	/	2	716.390	-38.22	-13	Pass

6.2 B17_10MHz

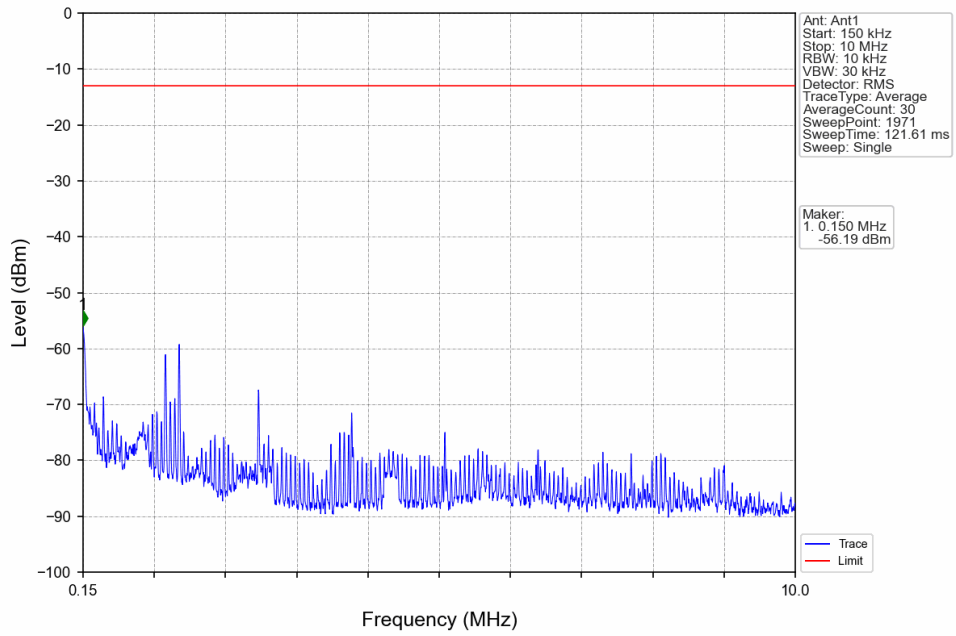
6.2.1 Test Result

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

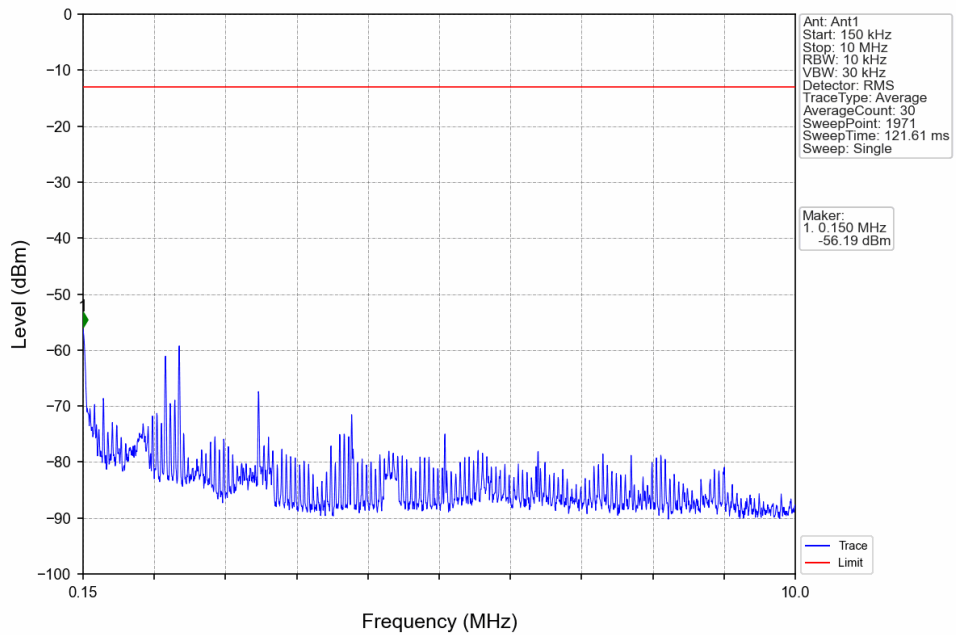
6.2.2 Test Graph



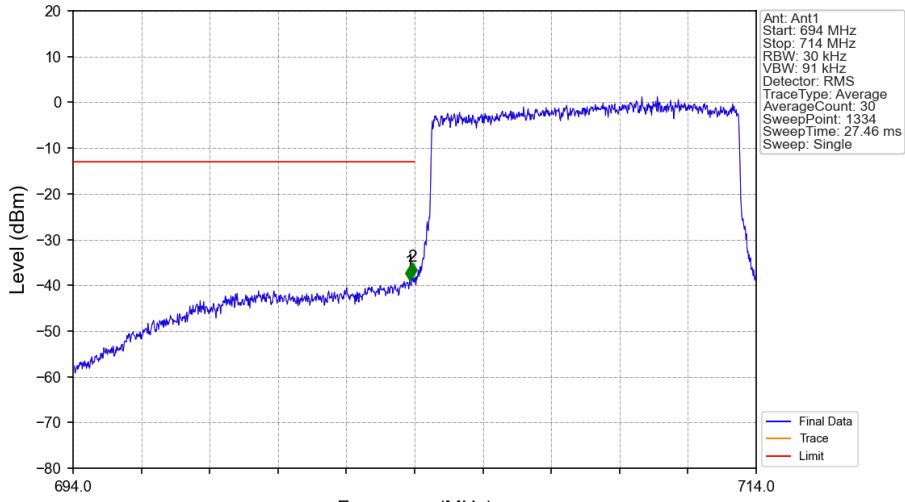
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

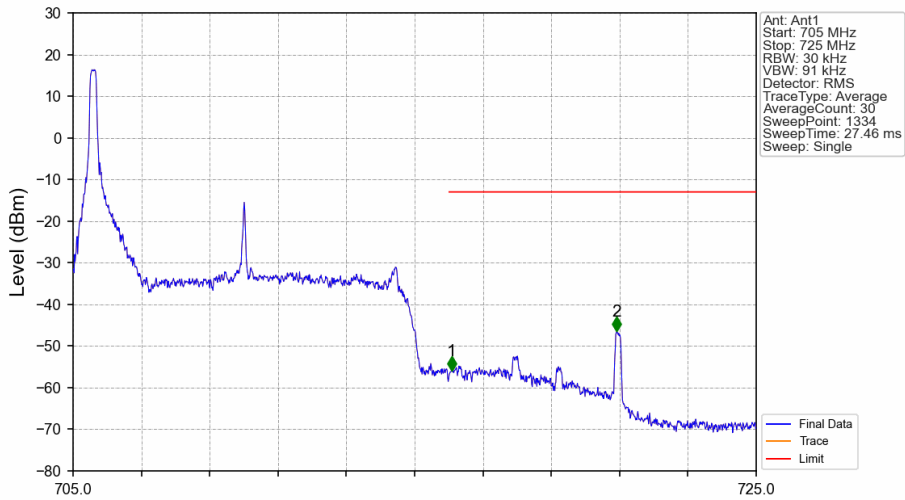


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



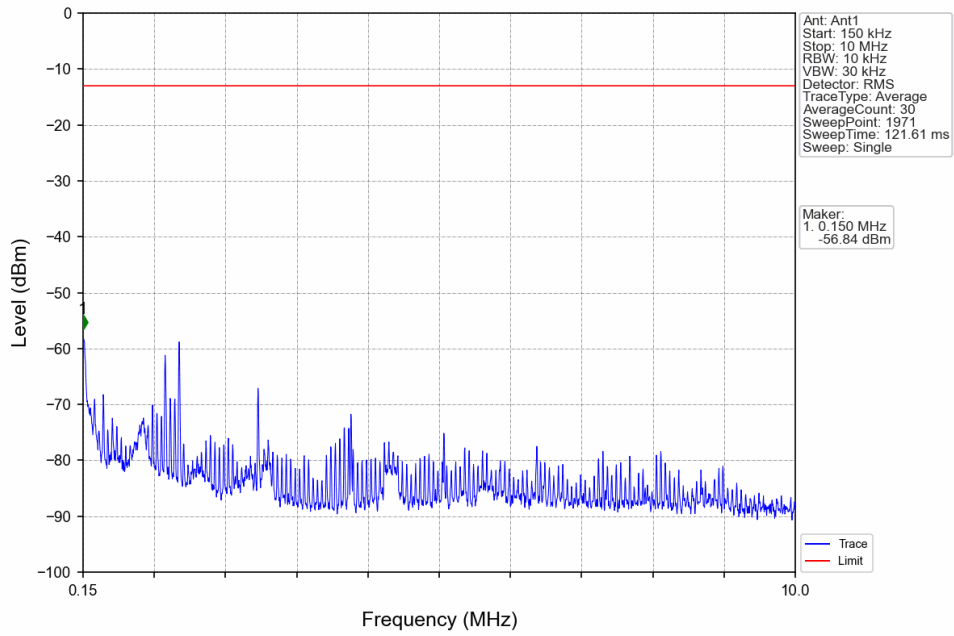
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	/	1	703.857	-38.93	-13	Pass
703.9	704	0.03	/	2	703.932	-38.12	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV

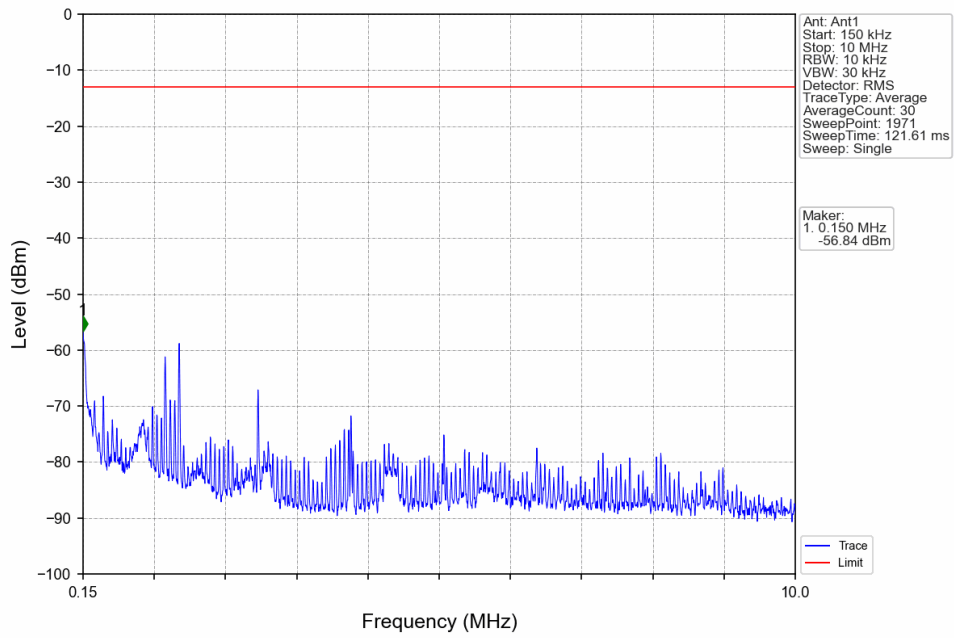


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
705	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.088	-56.01	-13	Pass
716.1	725	0.1	/	2	720.919	-46.44	-13	Pass

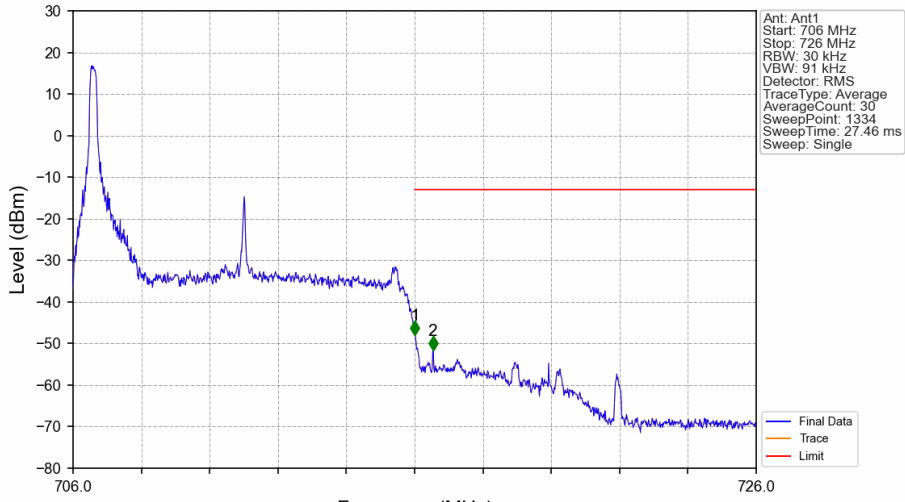
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV

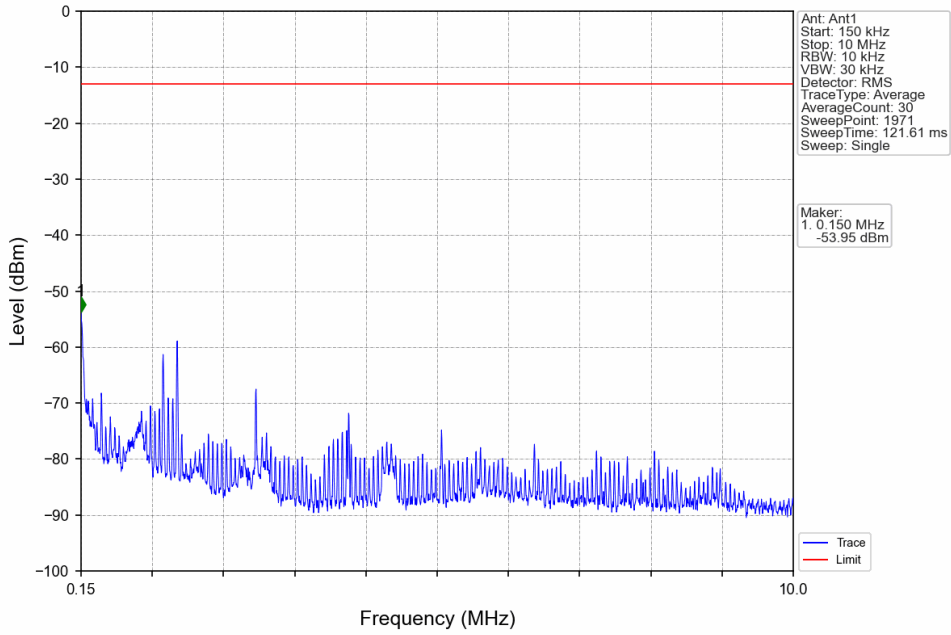


Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

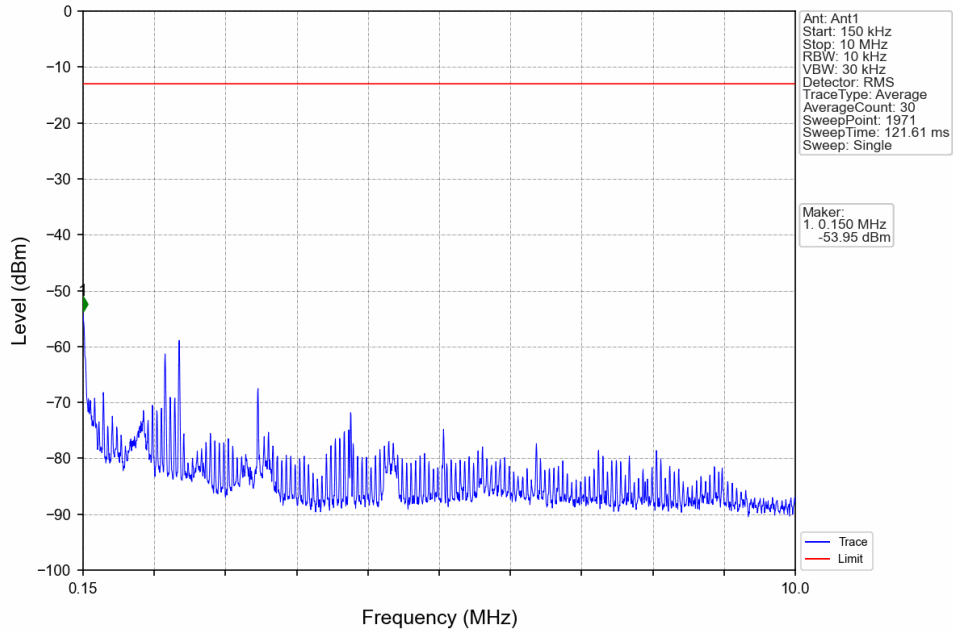


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-48.02	-13	Pass
716.1	726	0.1	/	2	716.533	-51.67	-13	Pass

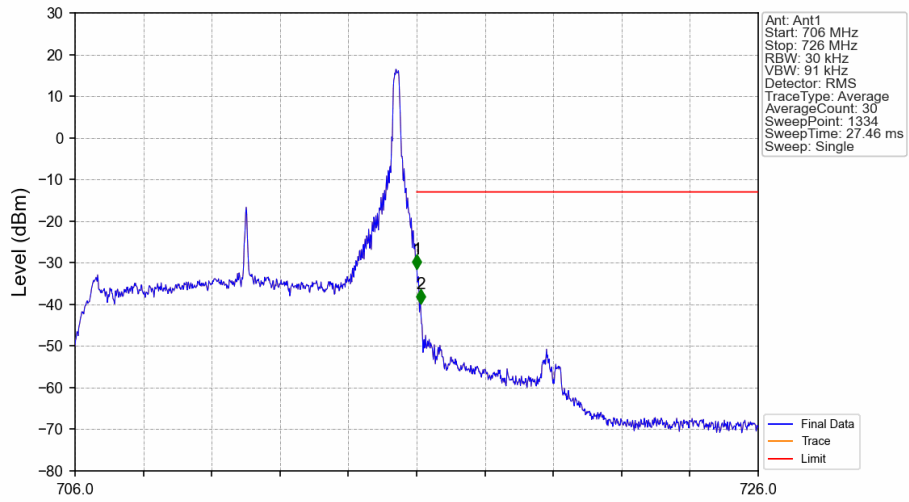
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

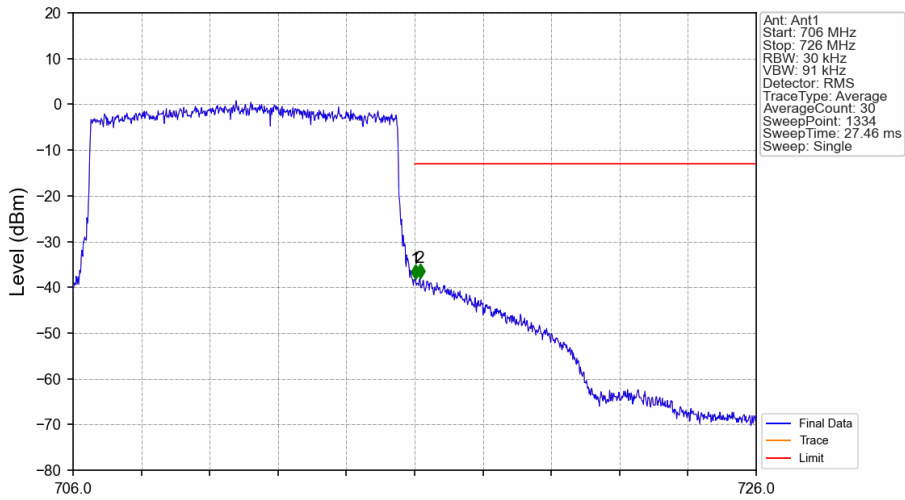


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



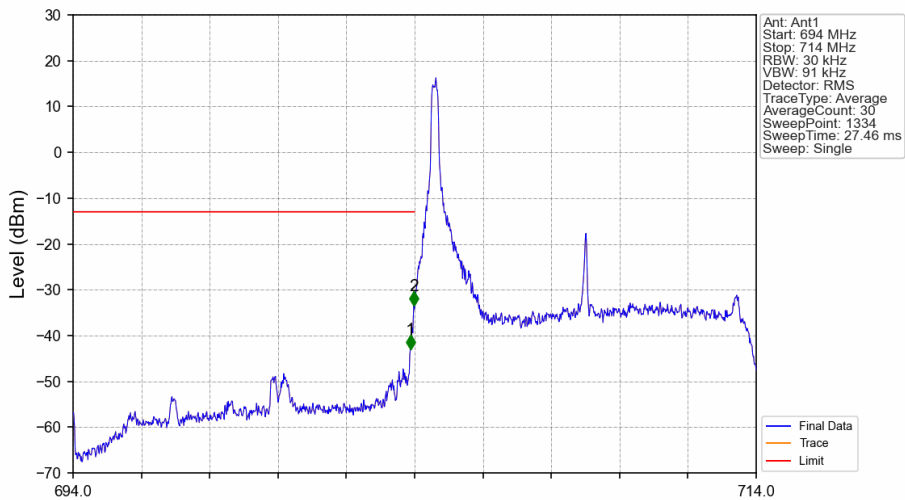
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-31.50	-13	Pass
716.1	726	0.1	/	2	716.113	-39.82	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



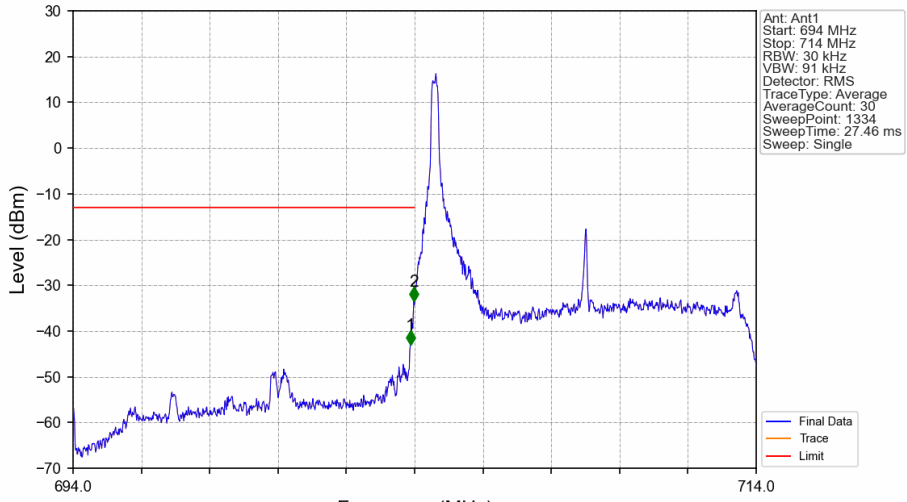
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-38.14	-13	Pass
716.1	726	0.1	/	2	716.158	-37.95	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



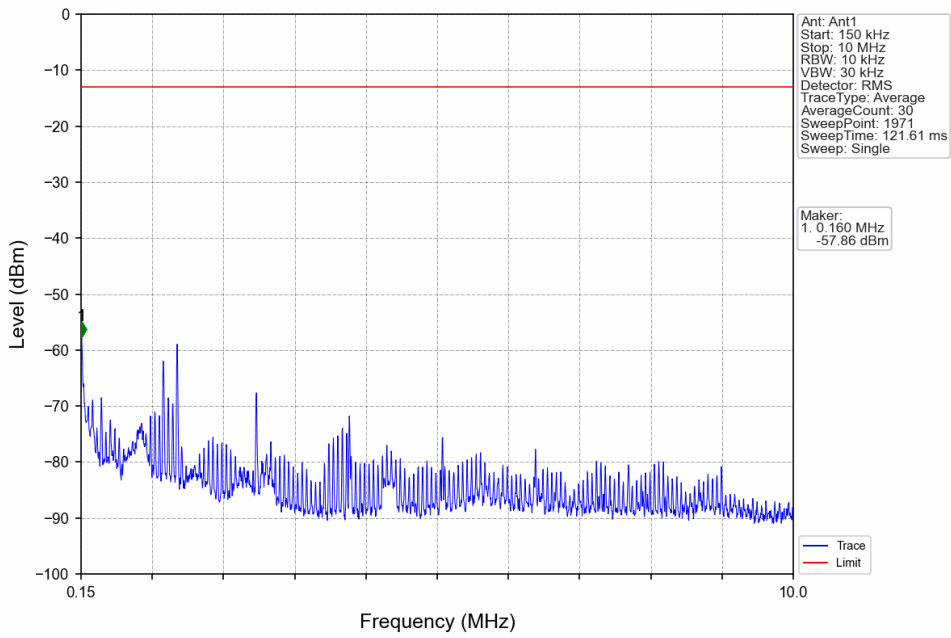
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	/	1	703.872	-43.04	-13	Pass
703.9	704	0.03	/	2	703.977	-33.48	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

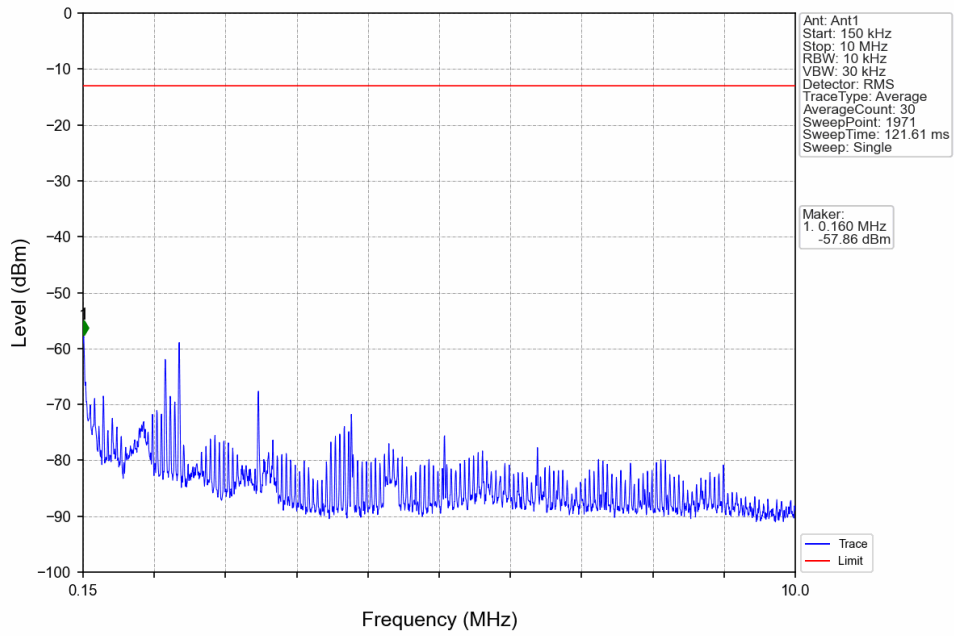


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	/	1	703.872	-43.04	-13	Pass
703.9	704	0.03	/	2	703.977	-33.48	-13	Pass
704	714	0.03	/	/	/	/	/	/

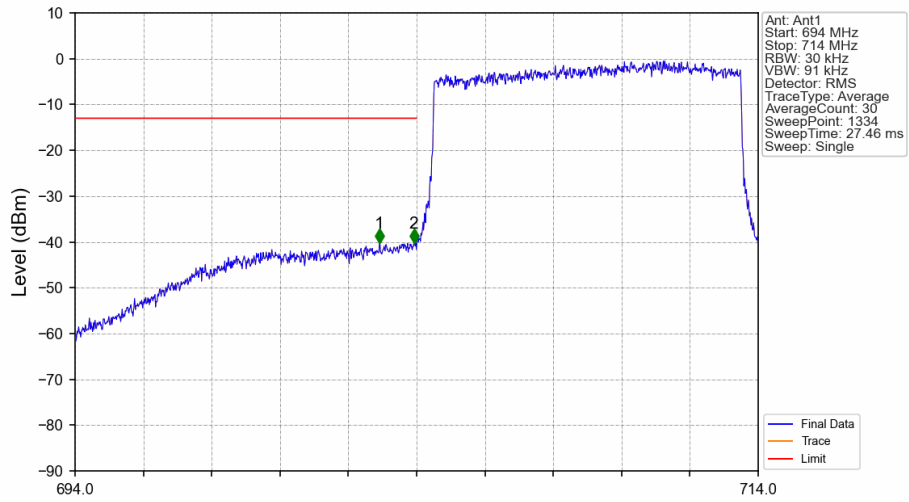
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

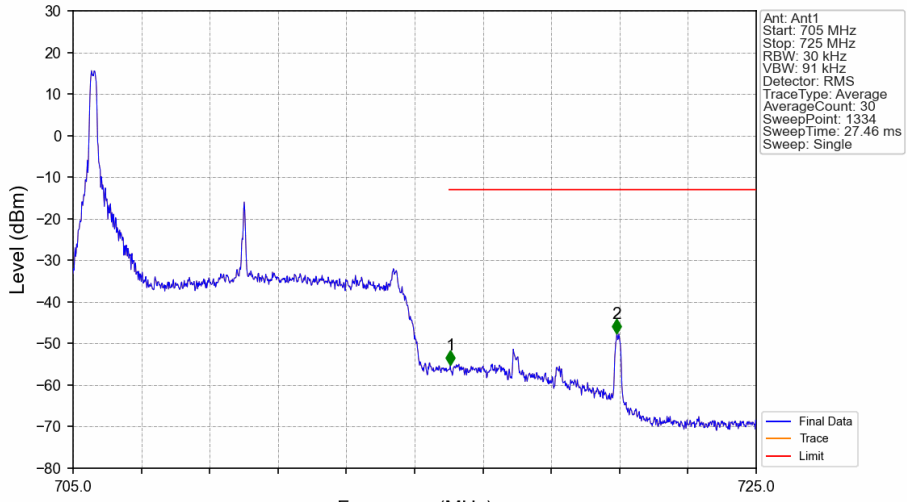


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



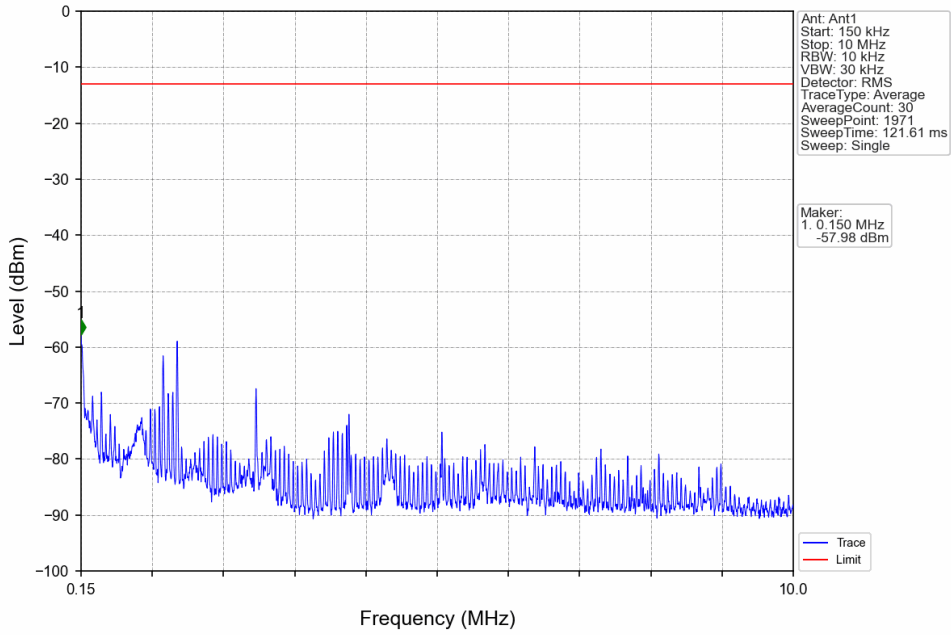
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	/	1	702.912	-40.24	-13	Pass
703.9	704	0.03	/	2	703.917	-40.23	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV

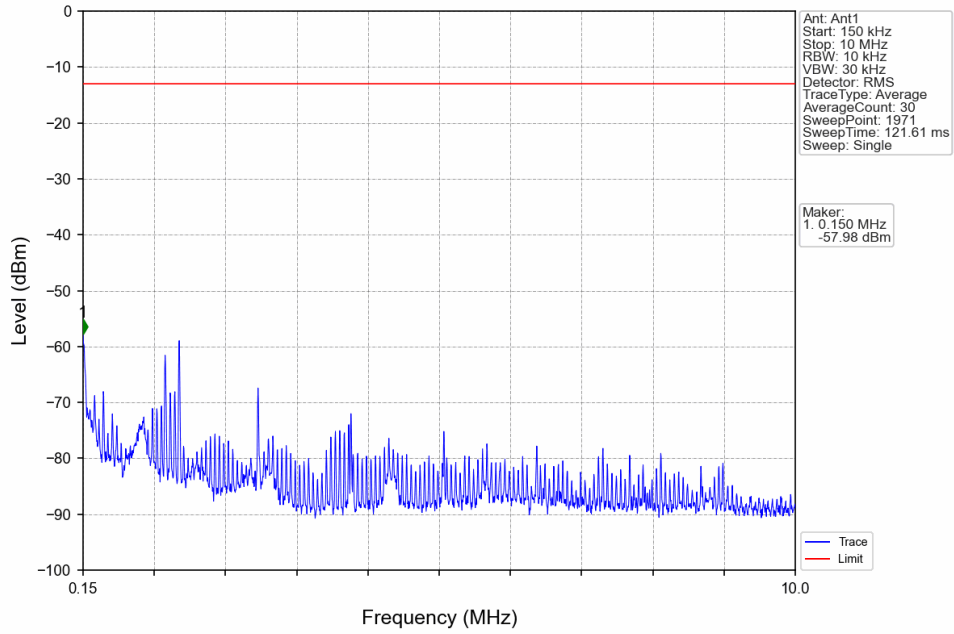


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
705	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.043	-55.21	-13	Pass
716.1	725	0.1	/	2	720.919	-47.68	-13	Pass

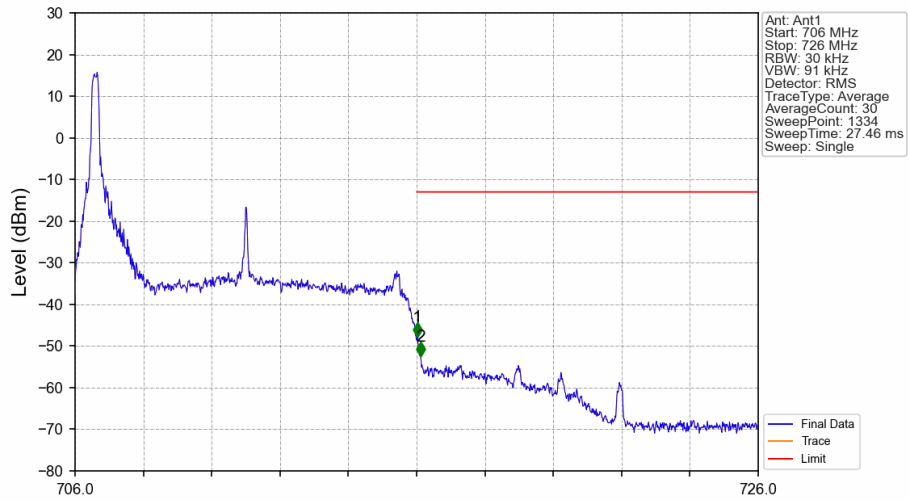
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV

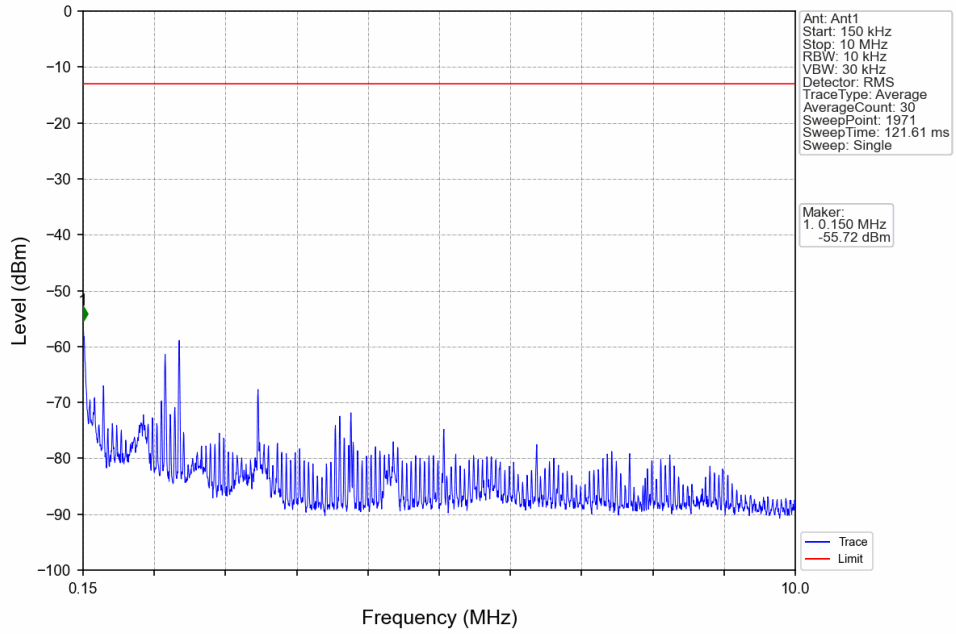


Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

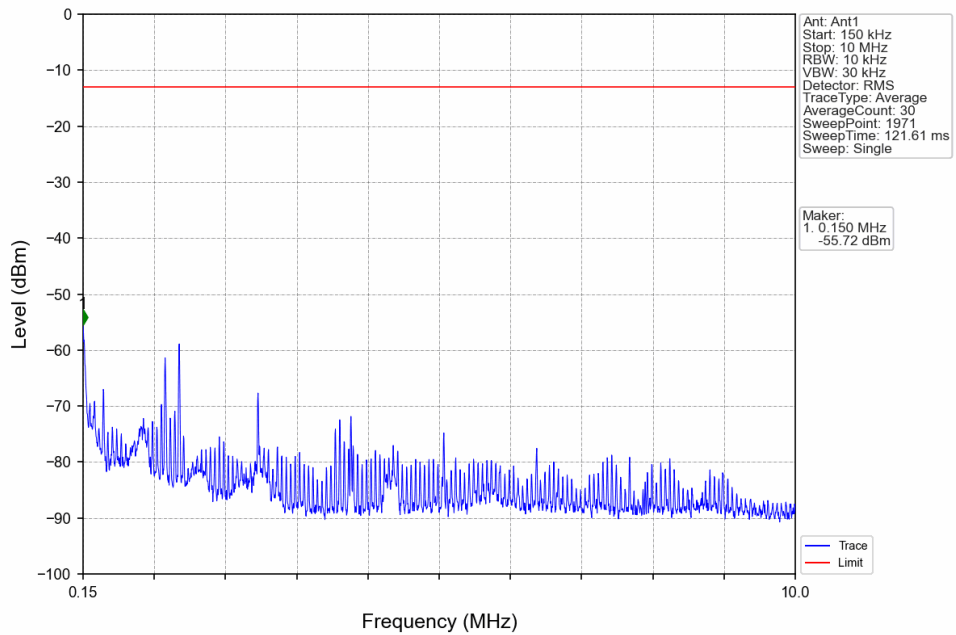


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.023	-47.84	-13	Pass
716.1	726	0.1	/	2	716.113	-52.51	-13	Pass

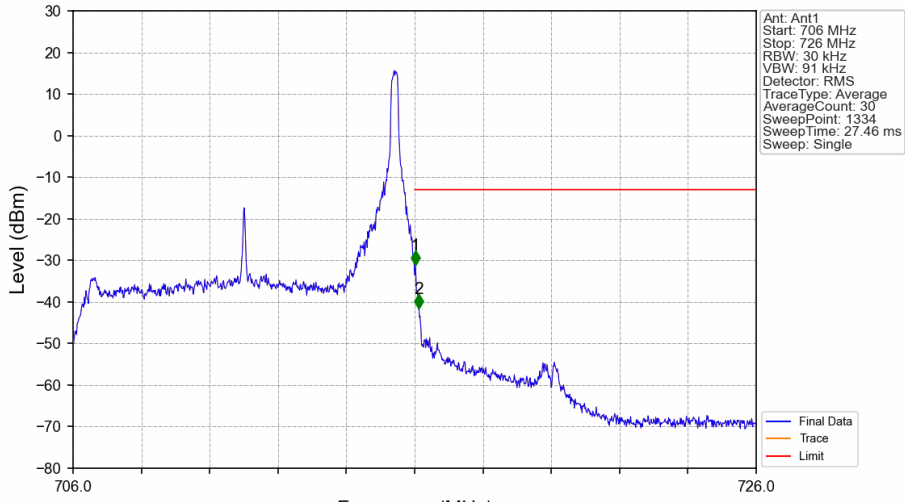
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

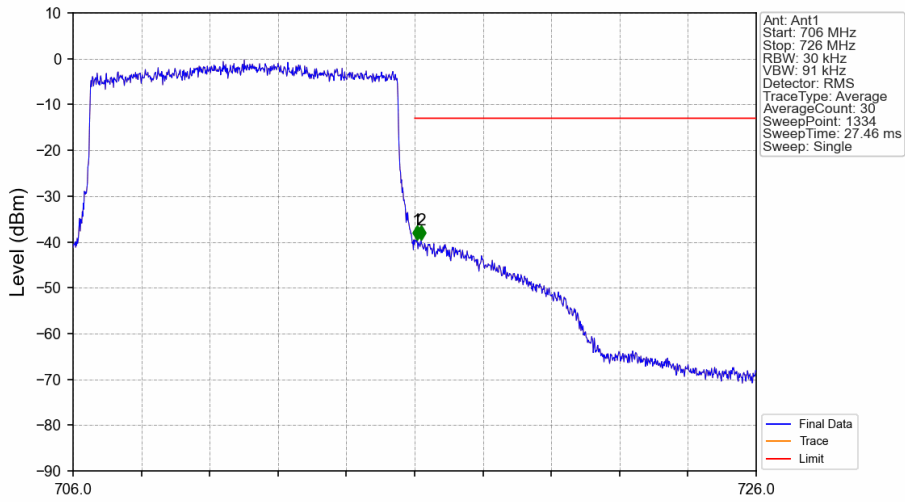


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



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	-31.18	-13	Pass
716.1	726	0.1	/	2	716.128	-41.63	-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	716.068	-39.56	-13	Pass
716.1	726	0.1	/	2	716.188	-39.51	-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	0.2193	0.0085	ppm	4M54G7D	27H	23.41
17	5	706.5	713.5	0.1816	0.0117	ppm	4M55W7D	27H	22.59
17	10	709	711	0.2168	0.0087	ppm	9M01G7D	27H	23.36
17	10	709	711	0.1816	0.0063	ppm	9M02W7D	27H	22.59

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	0.1337	0.0085	ppm	4M54G7D	27H	21.26
17	5	706.5	713.5	0.1107	0.0117	ppm	4M55W7D	27H	20.44
17	10	709	711	0.1321	0.0087	ppm	9M01G7D	27H	21.21
17	10	709	711	0.1107	0.0063	ppm	9M02W7D	27H	20.44