

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	23.29	-2.23	18.91	<=34.77	Pass		
			13	23.41	-2.23	19.03	<=34.77	Pass		
			24	23.32	-2.23	18.94	<=34.77	Pass		
		12	0	22.27	-2.23	17.89	<=34.77	Pass		
			6	22.40	-2.23	18.02	<=34.77	Pass		
			13	22.25	-2.23	17.87	<=34.77	Pass		
		25	0	22.23	-2.23	17.85	<=34.77	Pass		
		710	1	0	23.11	-2.23	18.73	<=34.77	Pass	
				13	23.21	-2.23	18.83	<=34.77	Pass	
	24			23.16	-2.23	18.78	<=34.77	Pass		
	12		0	22.40	-2.23	18.02	<=34.77	Pass		
			6	22.29	-2.23	17.91	<=34.77	Pass		
			13	22.37	-2.23	17.99	<=34.77	Pass		
	25		0	22.32	-2.23	17.94	<=34.77	Pass		
	713.5		1	0	23.31	-2.23	18.93	<=34.77	Pass	
				13	23.31	-2.23	18.93	<=34.77	Pass	
		24		23.41	-2.23	19.03	<=34.77	Pass		
		12	0	22.38	-2.23	18.00	<=34.77	Pass		
			6	22.37	-2.23	17.99	<=34.77	Pass		
			13	22.34	-2.23	17.96	<=34.77	Pass		
		25	0	22.26	-2.23	17.88	<=34.77	Pass		
		16QAM	706.5	1	0	21.59	-2.23	17.21	<=34.77	Pass
					13	21.76	-2.23	17.38	<=34.77	Pass
	24				21.79	-2.23	17.41	<=34.77	Pass	
12	0			21.20	-2.23	16.82	<=34.77	Pass		
	6			21.18	-2.23	16.80	<=34.77	Pass		
	13			21.73	-2.23	17.35	<=34.77	Pass		
25	0			21.19	-2.23	16.81	<=34.77	Pass		
710	1			0	22.42	-2.23	18.04	<=34.77	Pass	
				13	22.37	-2.23	17.99	<=34.77	Pass	
			24	22.56	-2.23	18.18	<=34.77	Pass		
	12		0	21.73	-2.23	17.35	<=34.77	Pass		
			6	21.26	-2.23	16.88	<=34.77	Pass		
			13	21.75	-2.23	17.37	<=34.77	Pass		
	25		0	21.24	-2.23	16.86	<=34.77	Pass		
	713.5		1	0	22.38	-2.23	18.00	<=34.77	Pass	
				13	22.31	-2.23	17.93	<=34.77	Pass	
24				22.35	-2.23	17.97	<=34.77	Pass		
12			0	21.70	-2.23	17.32	<=34.77	Pass		
			6	21.33	-2.23	16.95	<=34.77	Pass		
			13	21.37	-2.23	16.99	<=34.77	Pass		
25			0	21.39	-2.23	17.01	<=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	23.21	-2.23	18.83	<=34.77	Pass		
			25	23.24	-2.23	18.86	<=34.77	Pass		
			49	23.38	-2.23	19.00	<=34.77	Pass		
		25	0	22.35	-2.23	17.97	<=34.77	Pass		
			13	22.40	-2.23	18.02	<=34.77	Pass		
			25	22.46	-2.23	18.08	<=34.77	Pass		
		50	0	22.32	-2.23	17.94	<=34.77	Pass		
		710	1	0	23.13	-2.23	18.75	<=34.77	Pass	
				25	23.34	-2.23	18.96	<=34.77	Pass	
	49			23.30	-2.23	18.92	<=34.77	Pass		
	25		0	22.32	-2.23	17.94	<=34.77	Pass		
			13	22.31	-2.23	17.93	<=34.77	Pass		
			25	22.36	-2.23	17.98	<=34.77	Pass		
	50		0	22.34	-2.23	17.96	<=34.77	Pass		
	711		1	0	23.24	-2.23	18.86	<=34.77	Pass	
				25	23.17	-2.23	18.79	<=34.77	Pass	
		49		23.25	-2.23	18.87	<=34.77	Pass		
		25	0	22.42	-2.23	18.04	<=34.77	Pass		
			13	22.15	-2.23	17.77	<=34.77	Pass		
			25	22.29	-2.23	17.91	<=34.77	Pass		
		50	0	22.39	-2.23	18.01	<=34.77	Pass		
		16QAM	709	1	0	22.17	-2.23	17.79	<=34.77	Pass
					25	22.09	-2.23	17.71	<=34.77	Pass
	49				22.23	-2.23	17.85	<=34.77	Pass	
25	0			21.24	-2.23	16.86	<=34.77	Pass		
	13			21.88	-2.23	17.50	<=34.77	Pass		
	25			21.94	-2.23	17.56	<=34.77	Pass		
50	0			21.78	-2.23	17.40	<=34.77	Pass		
710	1			0	22.89	-2.23	18.51	<=34.77	Pass	
				25	22.88	-2.23	18.50	<=34.77	Pass	
			49	22.95	-2.23	18.57	<=34.77	Pass		
	25		0	21.77	-2.23	17.39	<=34.77	Pass		
			13	21.20	-2.23	16.82	<=34.77	Pass		
			25	21.82	-2.23	17.44	<=34.77	Pass		
	50		0	21.18	-2.23	16.80	<=34.77	Pass		
	711		1	0	21.95	-2.23	17.57	<=34.77	Pass	
				25	21.99	-2.23	17.61	<=34.77	Pass	
49				22.03	-2.23	17.65	<=34.77	Pass		
25			0	21.74	-2.23	17.36	<=34.77	Pass		
			13	21.21	-2.23	16.83	<=34.77	Pass		
			25	21.43	-2.23	17.05	<=34.77	Pass		
50			0	21.25	-2.23	16.87	<=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	-28.982	-0.0410	-2.5 to 2.5	Pass
					3.85	-7.925	-0.0112	-2.5 to 2.5	Pass
					4.43	-6.809	-0.0096	-2.5 to 2.5	Pass
				-30	3.85	-20.800	-0.0294	-2.5 to 2.5	Pass
				-20	3.85	-26.350	-0.0373	-2.5 to 2.5	Pass
				-10	3.85	-23.417	-0.0331	-2.5 to 2.5	Pass
				0	3.85	-17.595	-0.0249	-2.5 to 2.5	Pass
				10	3.85	-6.294	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-30.541	-0.0432	-2.5 to 2.5	Pass
				40	3.85	2.160	0.0031	-2.5 to 2.5	Pass
	50	3.85	-15.607	-0.0221	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	11.430	0.0161	-2.5 to 2.5	Pass
					3.85	2.890	0.0041	-2.5 to 2.5	Pass
					4.43	-0.572	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-4.206	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0072	-2.5 to 2.5	Pass
				0	3.85	-7.038	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-8.569	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-9.170	-0.0129	-2.5 to 2.5	Pass
				40	3.85	-10.242	-0.0144	-2.5 to 2.5	Pass
	50	3.85	-11.029	-0.0155	-2.5 to 2.5	Pass			
	713.5	25	0	20	3.27	13.433	0.0188	-2.5 to 2.5	Pass
					3.85	6.137	0.0086	-2.5 to 2.5	Pass
					4.43	5.593	0.0078	-2.5 to 2.5	Pass
				-30	3.85	5.693	0.0080	-2.5 to 2.5	Pass
				-20	3.85	5.264	0.0074	-2.5 to 2.5	Pass
				-10	3.85	5.608	0.0079	-2.5 to 2.5	Pass
				0	3.85	5.150	0.0072	-2.5 to 2.5	Pass
				10	3.85	4.721	0.0066	-2.5 to 2.5	Pass
30				3.85	4.907	0.0069	-2.5 to 2.5	Pass	
40				3.85	4.420	0.0062	-2.5 to 2.5	Pass	
50	3.85	5.007	0.0070	-2.5 to 2.5	Pass				
16QAM	706.5	25	0	20	3.27	-31.743	-0.0449	-2.5 to 2.5	Pass
					3.85	-41.142	-0.0582	-2.5 to 2.5	Pass
					4.43	-49.310	-0.0698	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0071	-2.5 to 2.5	Pass
				-20	3.85	-11.029	-0.0156	-2.5 to 2.5	Pass
				-10	3.85	-15.950	-0.0226	-2.5 to 2.5	Pass
				0	3.85	-19.870	-0.0281	-2.5 to 2.5	Pass
				10	3.85	-23.761	-0.0336	-2.5 to 2.5	Pass
				30	3.85	-28.110	-0.0398	-2.5 to 2.5	Pass
				40	3.85	-32.315	-0.0457	-2.5 to 2.5	Pass
	50	3.85	-34.447	-0.0488	-2.5 to 2.5	Pass			
	710	25	0	20	3.27	-12.231	-0.0172	-2.5 to 2.5	Pass
					3.85	-10.600	-0.0149	-2.5 to 2.5	Pass
					4.43	-9.742	-0.0137	-2.5 to 2.5	Pass
				-30	3.85	-11.687	-0.0165	-2.5 to 2.5	Pass
				-20	3.85	-11.601	-0.0163	-2.5 to 2.5	Pass
				-10	3.85	-13.118	-0.0185	-2.5 to 2.5	Pass
				0	3.85	-12.760	-0.0180	-2.5 to 2.5	Pass
				10	3.85	-12.674	-0.0179	-2.5 to 2.5	Pass
				30	3.85	-13.018	-0.0183	-2.5 to 2.5	Pass
40				3.85	-13.833	-0.0195	-2.5 to 2.5	Pass	

	713.5	25	0	50	3.85	-13.490	-0.0190	-2.5 to 2.5	Pass
				20	3.27	4.292	0.0060	-2.5 to 2.5	Pass
					3.85	6.709	0.0094	-2.5 to 2.5	Pass
					4.43	6.537	0.0092	-2.5 to 2.5	Pass
				-30	3.85	5.822	0.0082	-2.5 to 2.5	Pass
				-20	3.85	5.279	0.0074	-2.5 to 2.5	Pass
				-10	3.85	6.566	0.0092	-2.5 to 2.5	Pass
				0	3.85	6.294	0.0088	-2.5 to 2.5	Pass
				10	3.85	6.866	0.0096	-2.5 to 2.5	Pass
				30	3.85	6.795	0.0095	-2.5 to 2.5	Pass
				40	3.85	7.281	0.0102	-2.5 to 2.5	Pass
				50	3.85	6.852	0.0096	-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	5.350	0.0075	-2.5 to 2.5	Pass
					3.85	-30.241	-0.0427	-2.5 to 2.5	Pass
					4.43	-17.838	-0.0252	-2.5 to 2.5	Pass
				-30	3.85	-39.082	-0.0551	-2.5 to 2.5	Pass
				-20	3.85	-7.210	-0.0102	-2.5 to 2.5	Pass
				-10	3.85	-19.441	-0.0274	-2.5 to 2.5	Pass
				0	3.85	-28.753	-0.0406	-2.5 to 2.5	Pass
				10	3.85	-35.105	-0.0495	-2.5 to 2.5	Pass
				30	3.85	-41.070	-0.0579	-2.5 to 2.5	Pass
				40	3.85	-43.802	-0.0618	-2.5 to 2.5	Pass
				50	3.85	-4.692	-0.0066	-2.5 to 2.5	Pass
				710	50	0	20	3.27	5.536
	3.85	-4.721	-0.0066					-2.5 to 2.5	Pass
	4.43	-4.234	-0.0060					-2.5 to 2.5	Pass
	-30	3.85	-3.119				-0.0044	-2.5 to 2.5	Pass
	-20	3.85	-4.277				-0.0060	-2.5 to 2.5	Pass
	-10	3.85	-3.891				-0.0055	-2.5 to 2.5	Pass
	0	3.85	-3.405				-0.0048	-2.5 to 2.5	Pass
	10	3.85	-3.333				-0.0047	-2.5 to 2.5	Pass
	30	3.85	-3.090				-0.0044	-2.5 to 2.5	Pass
	40	3.85	-2.761				-0.0039	-2.5 to 2.5	Pass
	50	3.85	-3.176				-0.0045	-2.5 to 2.5	Pass
	711	50	0				20	3.27	12.302
				3.85	3.490	0.0049		-2.5 to 2.5	Pass
				4.43	4.163	0.0059		-2.5 to 2.5	Pass
				-30	3.85	4.663	0.0066	-2.5 to 2.5	Pass
				-20	3.85	7.110	0.0100	-2.5 to 2.5	Pass
				-10	3.85	6.394	0.0090	-2.5 to 2.5	Pass
				0	3.85	7.010	0.0099	-2.5 to 2.5	Pass
				10	3.85	7.453	0.0105	-2.5 to 2.5	Pass
30				3.85	8.054	0.0113	-2.5 to 2.5	Pass	
40				3.85	7.753	0.0109	-2.5 to 2.5	Pass	
50				3.85	9.398	0.0132	-2.5 to 2.5	Pass	
16QAM				709	50	0	20	3.27	3.519
	3.85	3.161	0.0045					-2.5 to 2.5	Pass

					4.43	3.076	0.0043	-2.5 to 2.5	Pass			
				-30	3.85	1.044	0.0015	-2.5 to 2.5	Pass			
				-20	3.85	0.215	0.0003	-2.5 to 2.5	Pass			
				-10	3.85	-0.572	-0.0008	-2.5 to 2.5	Pass			
				0	3.85	-1.001	-0.0014	-2.5 to 2.5	Pass			
				10	3.85	-0.329	-0.0005	-2.5 to 2.5	Pass			
				30	3.85	-1.159	-0.0016	-2.5 to 2.5	Pass			
				40	3.85	-1.931	-0.0027	-2.5 to 2.5	Pass			
				50	3.85	-2.575	-0.0036	-2.5 to 2.5	Pass			
	710	50	0	20	3.27	-3.233	-0.0046	-2.5 to 2.5	Pass			
								3.85	-2.303	-0.0032	-2.5 to 2.5	Pass
								4.43	-3.290	-0.0046	-2.5 to 2.5	Pass
							-30	3.85	-4.492	-0.0063	-2.5 to 2.5	Pass
							-20	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
							-10	3.85	-5.207	-0.0073	-2.5 to 2.5	Pass
							0	3.85	-4.778	-0.0067	-2.5 to 2.5	Pass
							10	3.85	-4.864	-0.0069	-2.5 to 2.5	Pass
							30	3.85	-4.334	-0.0061	-2.5 to 2.5	Pass
							40	3.85	-4.134	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-4.578	-0.0064	-2.5 to 2.5	Pass			
	711	50	0	20	3.27	8.812	0.0124	-2.5 to 2.5	Pass			
								3.85	10.257	0.0144	-2.5 to 2.5	Pass
								4.43	9.127	0.0128	-2.5 to 2.5	Pass
							-30	3.85	8.225	0.0116	-2.5 to 2.5	Pass
							-20	3.85	6.480	0.0091	-2.5 to 2.5	Pass
							-10	3.85	7.639	0.0107	-2.5 to 2.5	Pass
							0	3.85	6.666	0.0094	-2.5 to 2.5	Pass
							10	3.85	6.094	0.0086	-2.5 to 2.5	Pass
							30	3.85	7.582	0.0107	-2.5 to 2.5	Pass
							40	3.85	5.908	0.0083	-2.5 to 2.5	Pass
				50	3.85	5.436	0.0076	-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

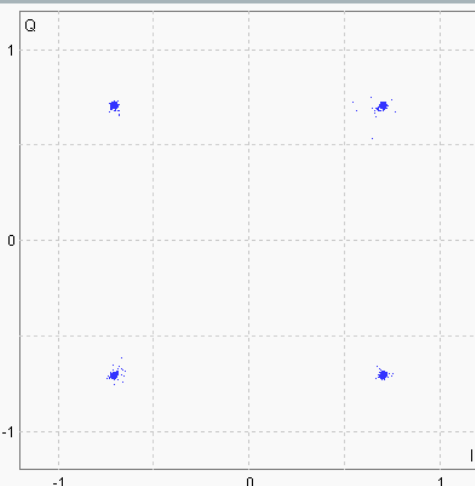
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTN

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: 5.0 MHz CP: Normal Meas Subfr./Slot: 8 / All

IQ Constellation



Statistic Count: 20 / 20
 Out of Tolerance: 0.00 %
 Detected Modulation: QPSK
 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

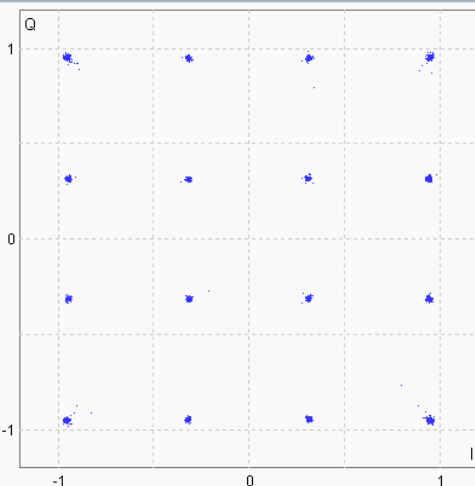
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

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: 5.0 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

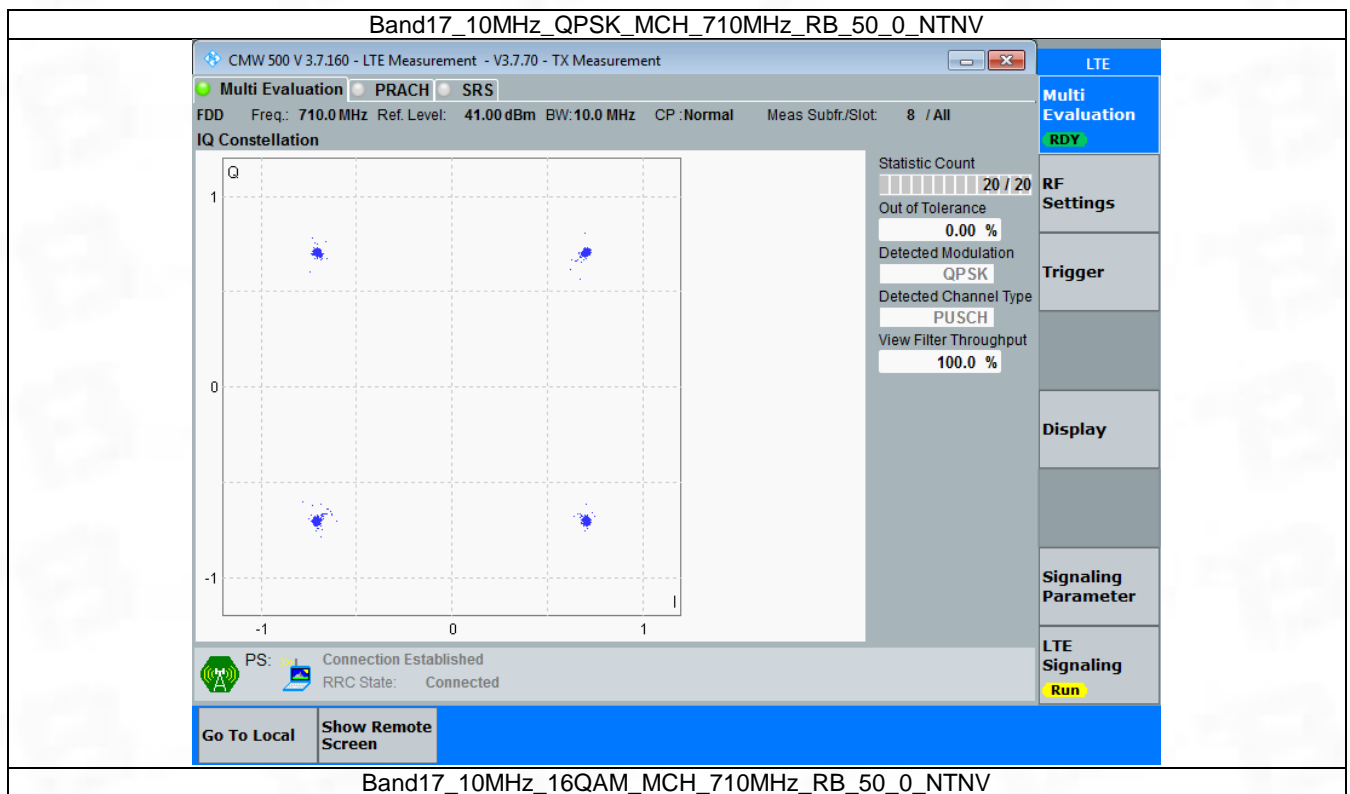
LTE Multi Evaluation RDY RF Settings Trigger Display Signaling Parameter LTE Signaling Run

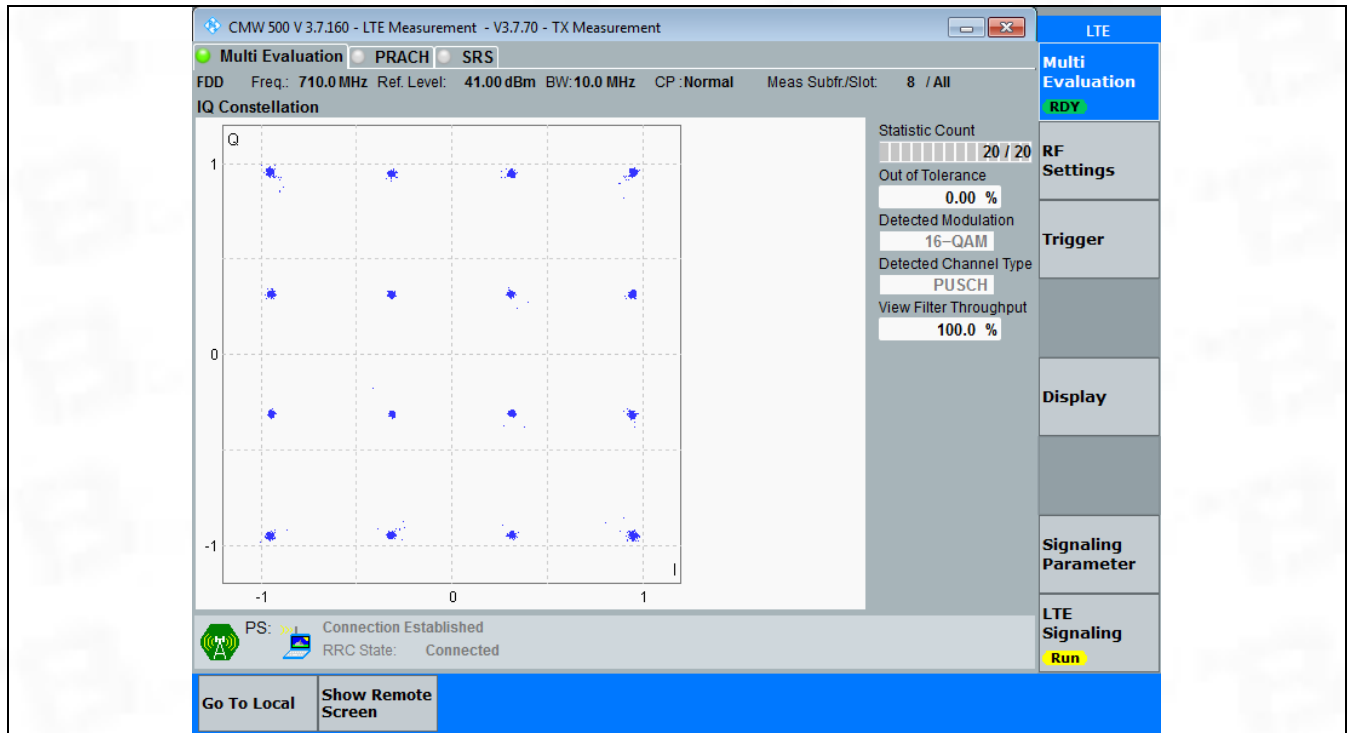
3.2 B17_10MHz

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





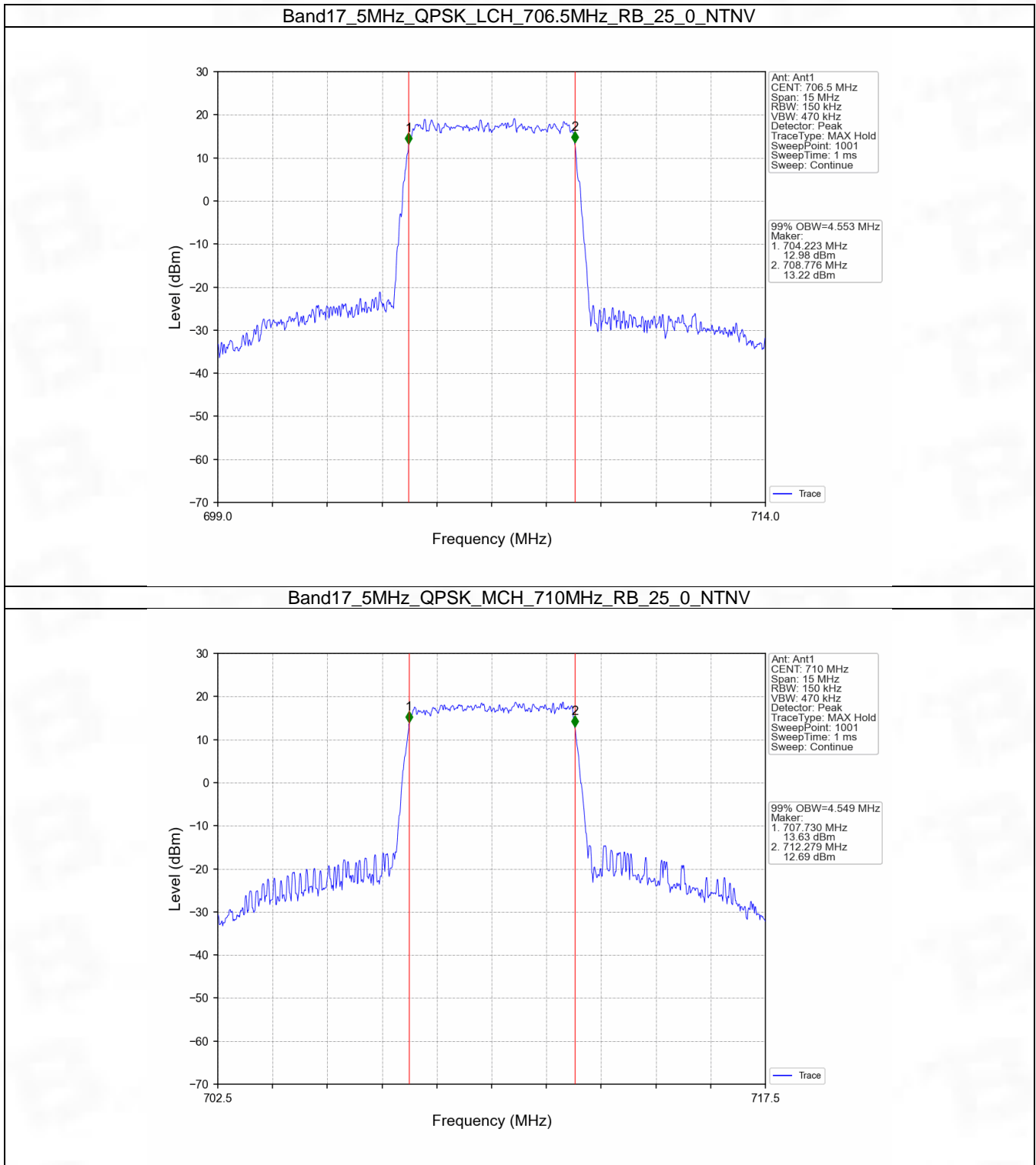
4. 99% & 26dB Bandwidth

4.1 Band17_OBW

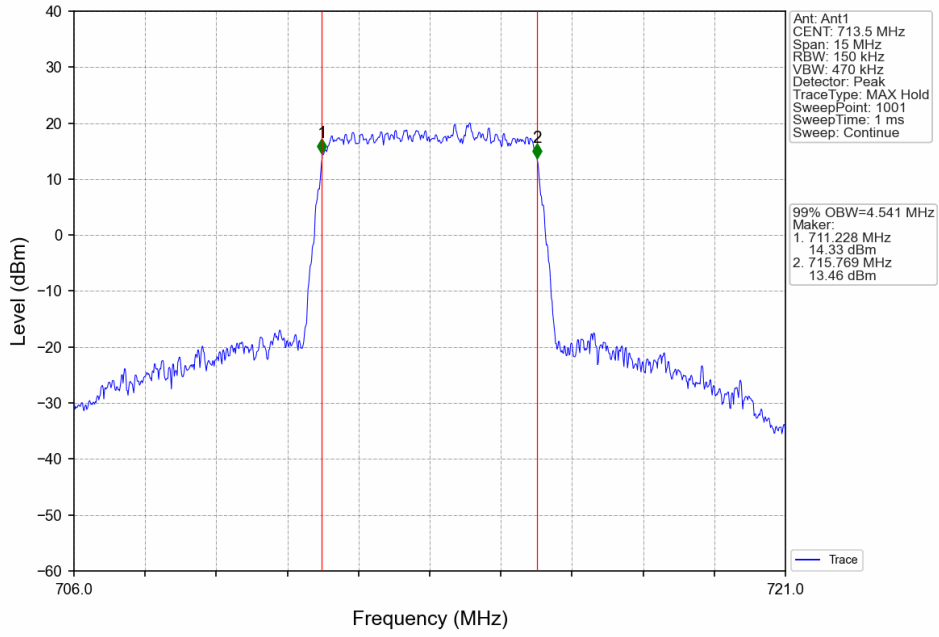
4.1.1 Test Result

Band: 17 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.553	/	Pass
		710	25	0	4.549	/	Pass
		713.5	25	0	4.541	/	Pass
	16QAM	706.5	25	0	4.557	/	Pass
		710	25	0	4.550	/	Pass
		713.5	25	0	4.539	/	Pass
10	QPSK	709	50	0	9.101	/	Pass
		710	50	0	9.053	/	Pass
		711	50	0	9.050	/	Pass
	16QAM	709	50	0	9.093	/	Pass
		710	50	0	9.050	/	Pass
		711	50	0	9.052	/	Pass

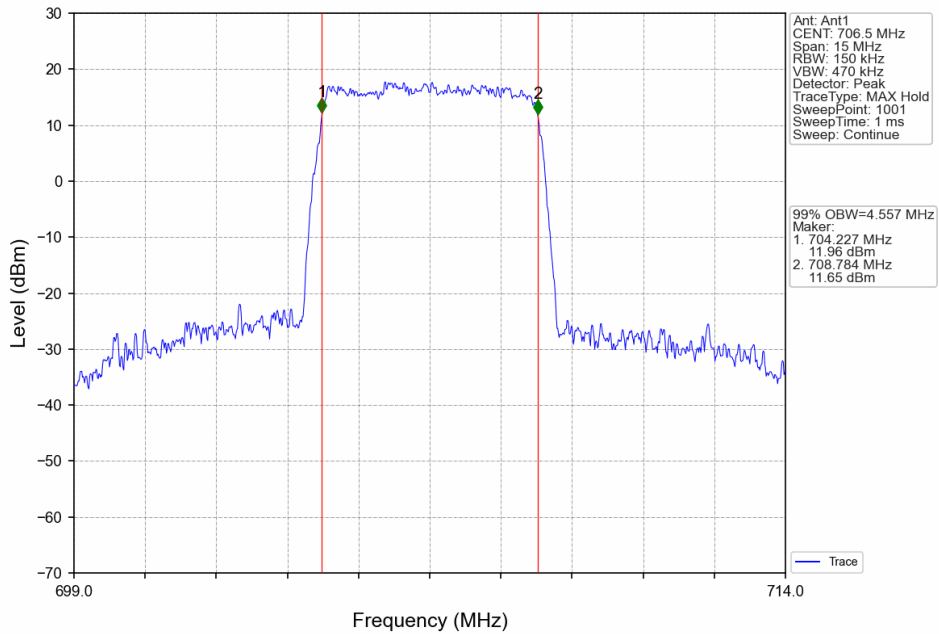
4.1.2 Test Graph



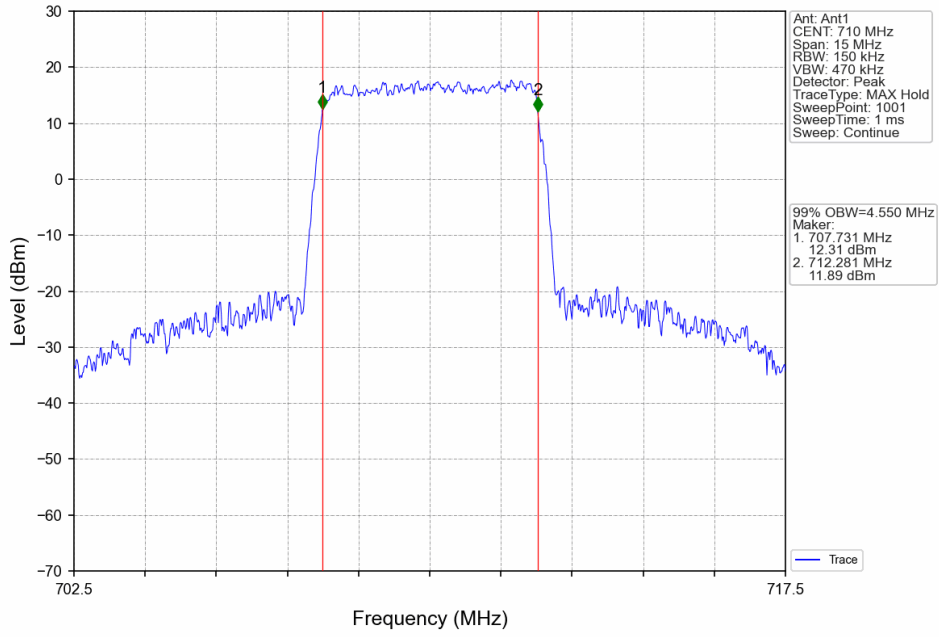
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



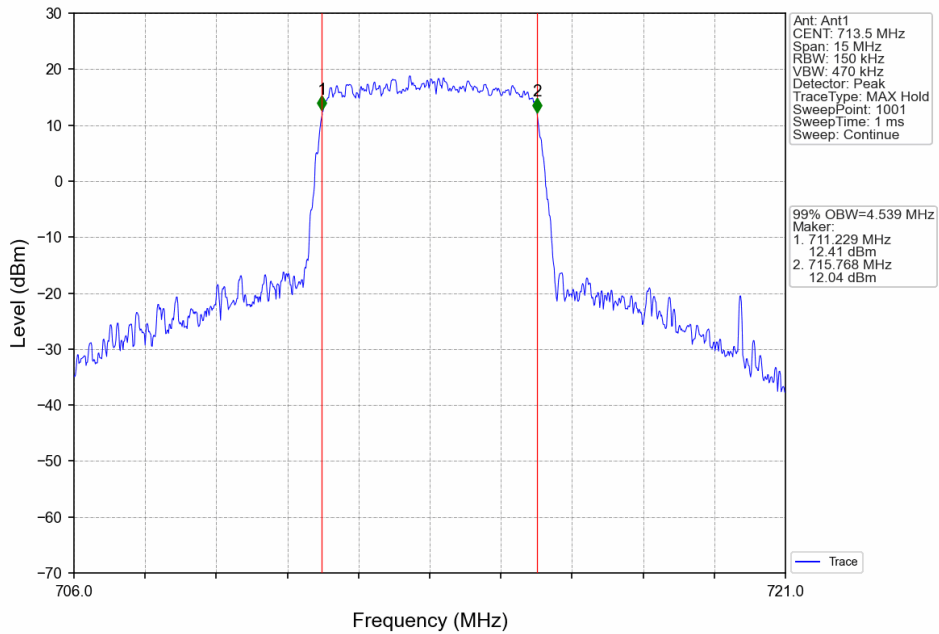
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



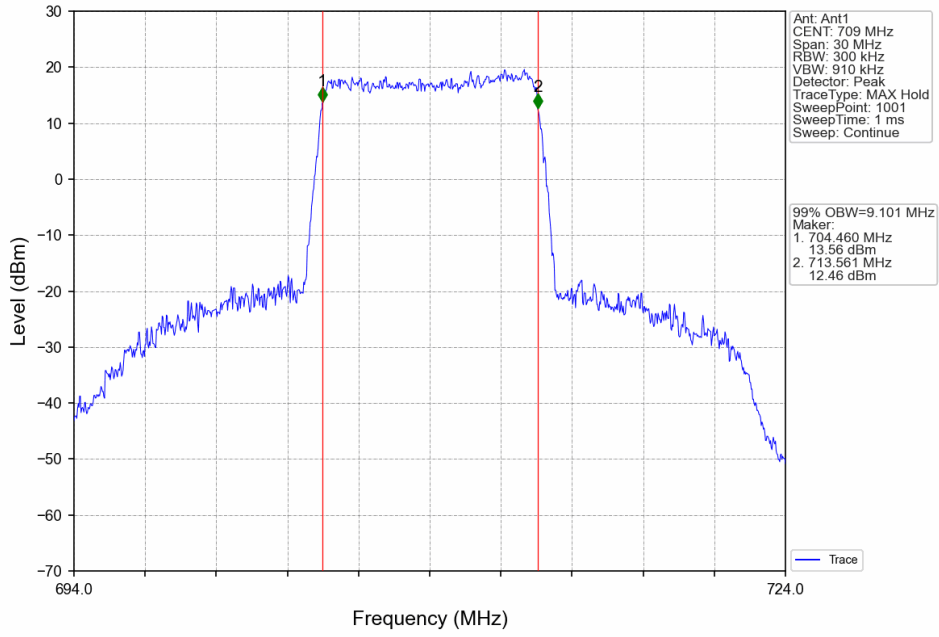
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



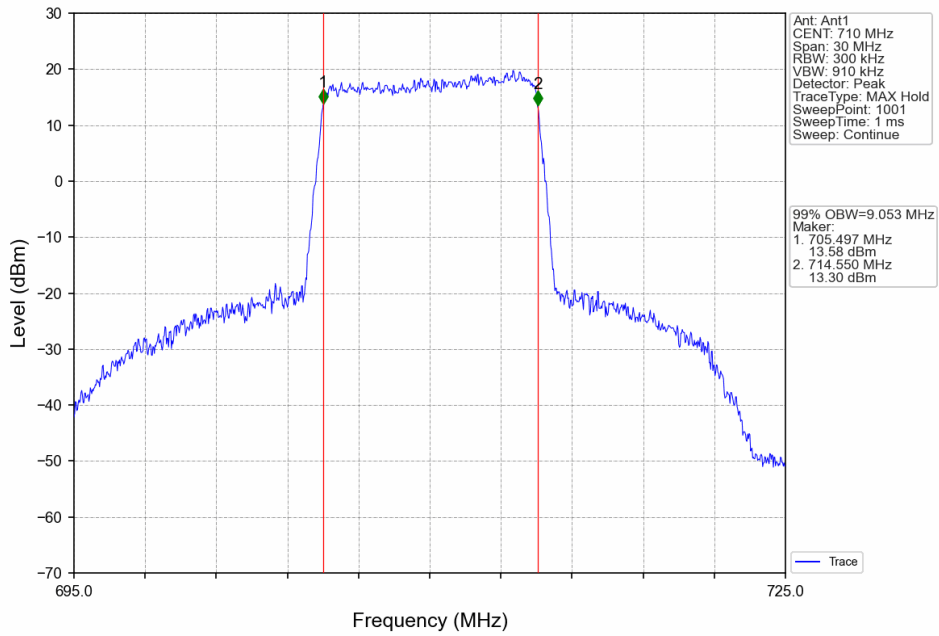
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



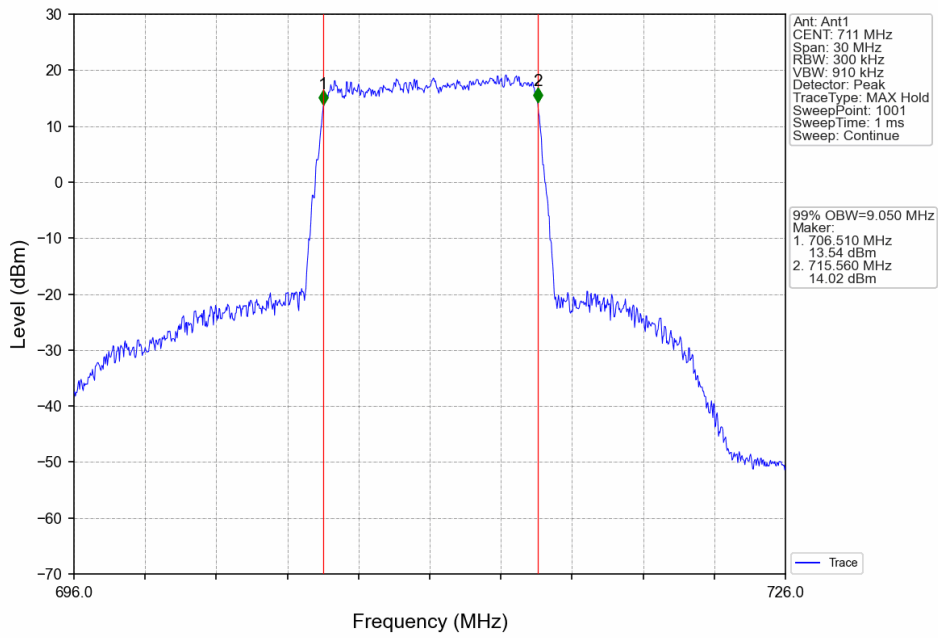
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



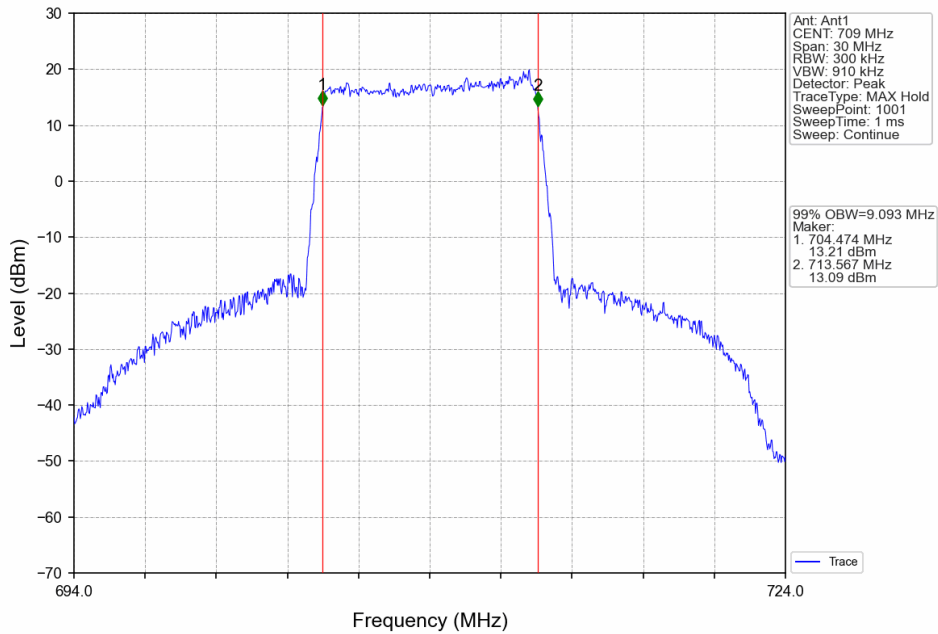
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



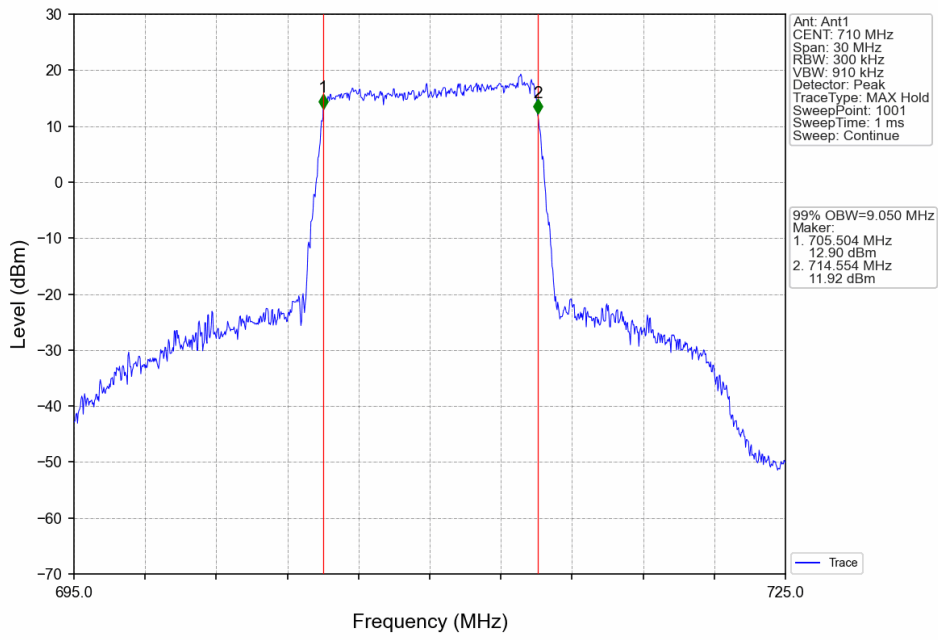
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



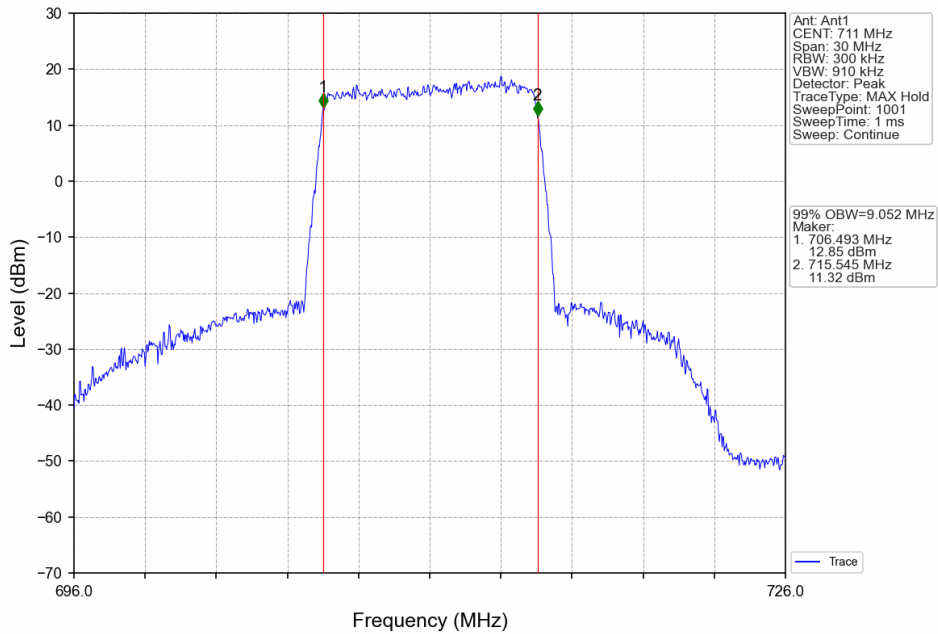
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV

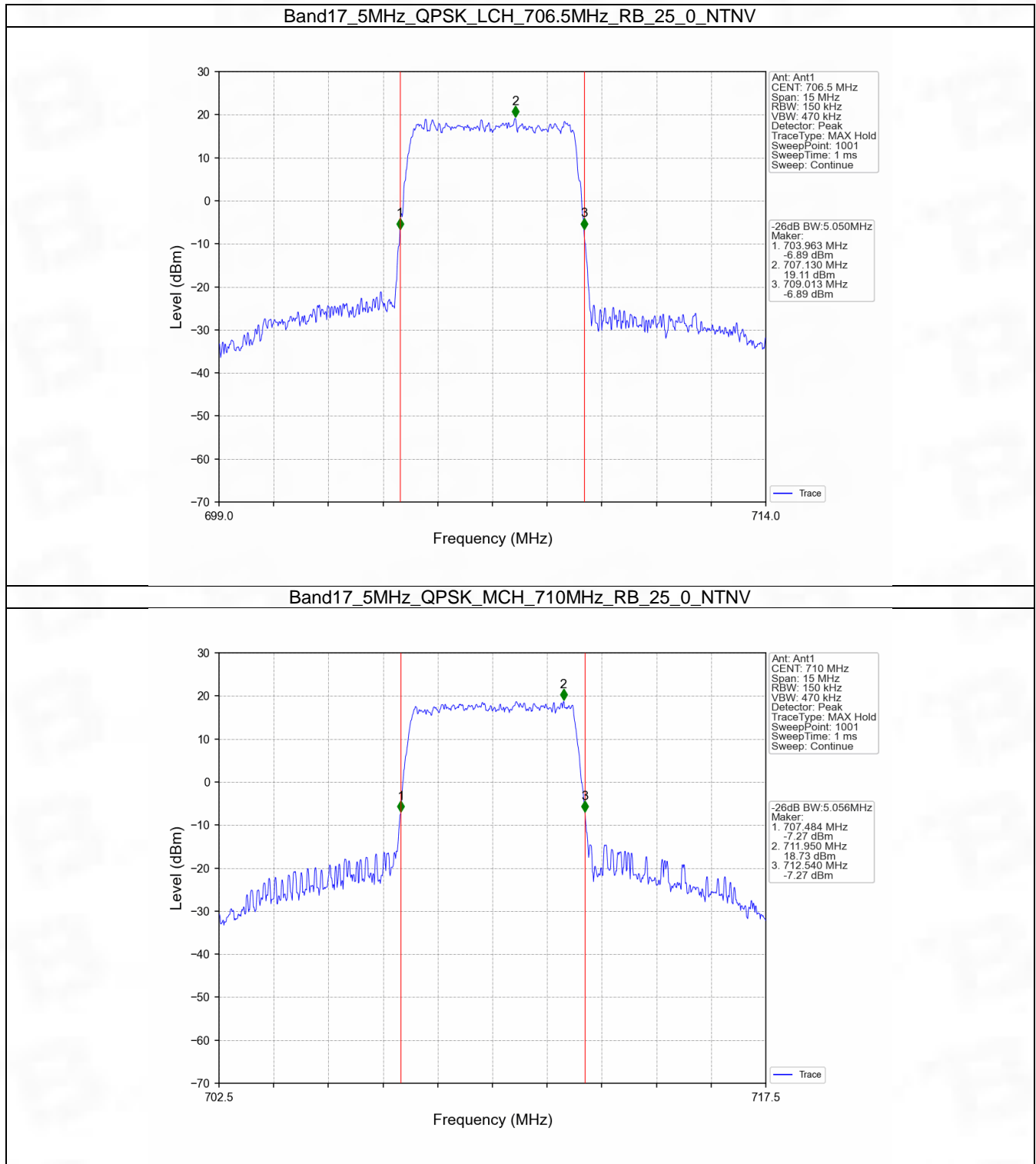


4.2 Band17_XDB

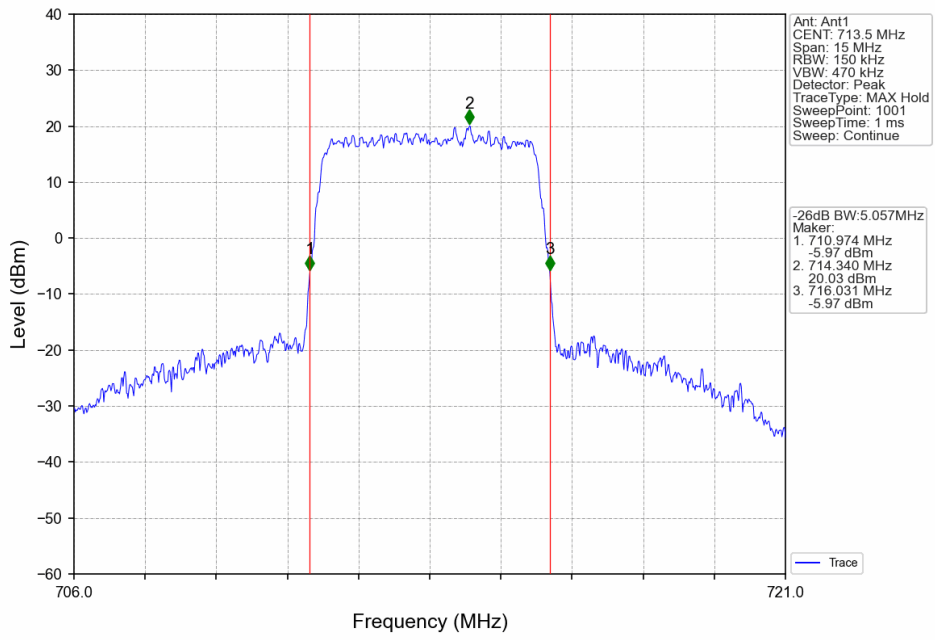
4.2.1 Test Result

Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.050	/	Pass
		710	25	0	5.056	/	Pass
		713.5	25	0	5.057	/	Pass
	16QAM	706.5	25	0	5.065	/	Pass
		710	25	0	5.057	/	Pass
		713.5	25	0	5.077	/	Pass
10	QPSK	709	50	0	10.053	/	Pass
		710	50	0	9.976	/	Pass
		711	50	0	10.056	/	Pass
	16QAM	709	50	0	10.108	/	Pass
		710	50	0	9.959	/	Pass
		711	50	0	9.981	/	Pass

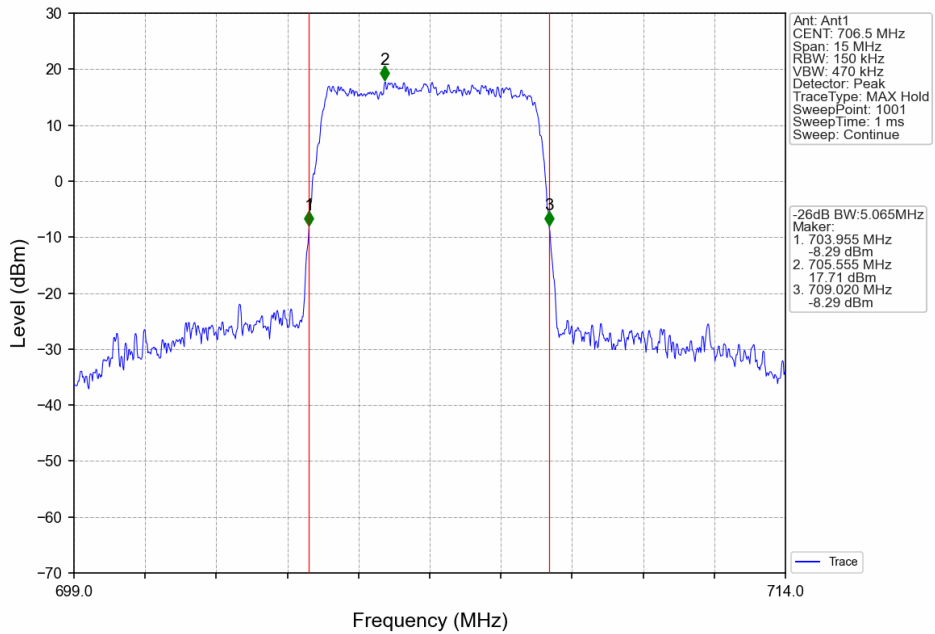
4.2.2 Test Graph



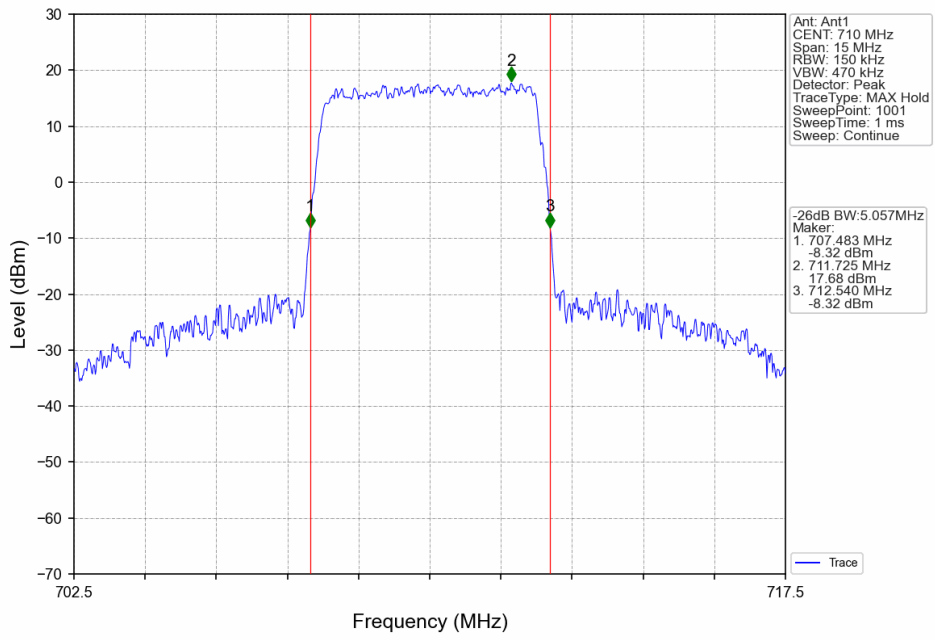
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



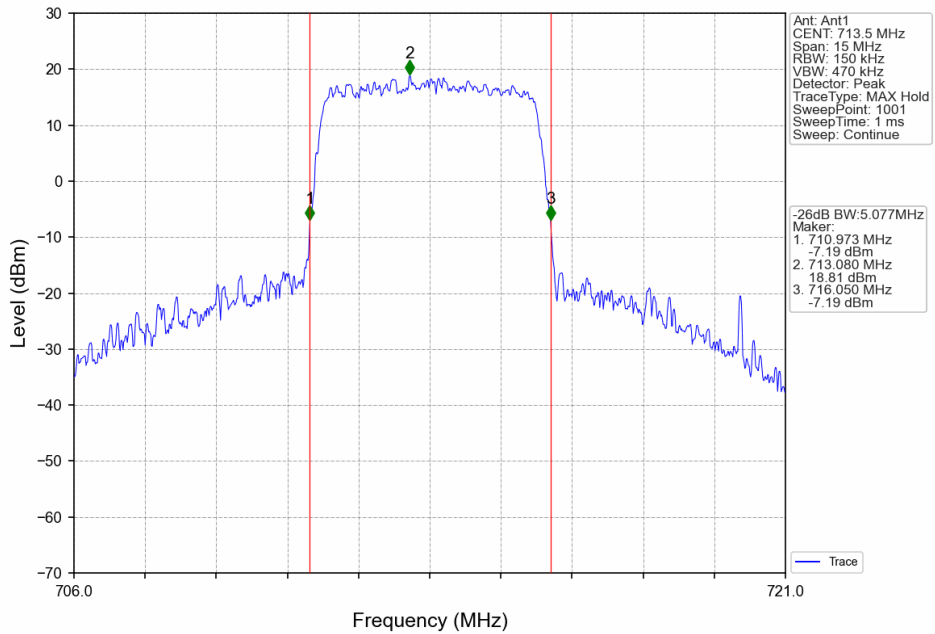
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



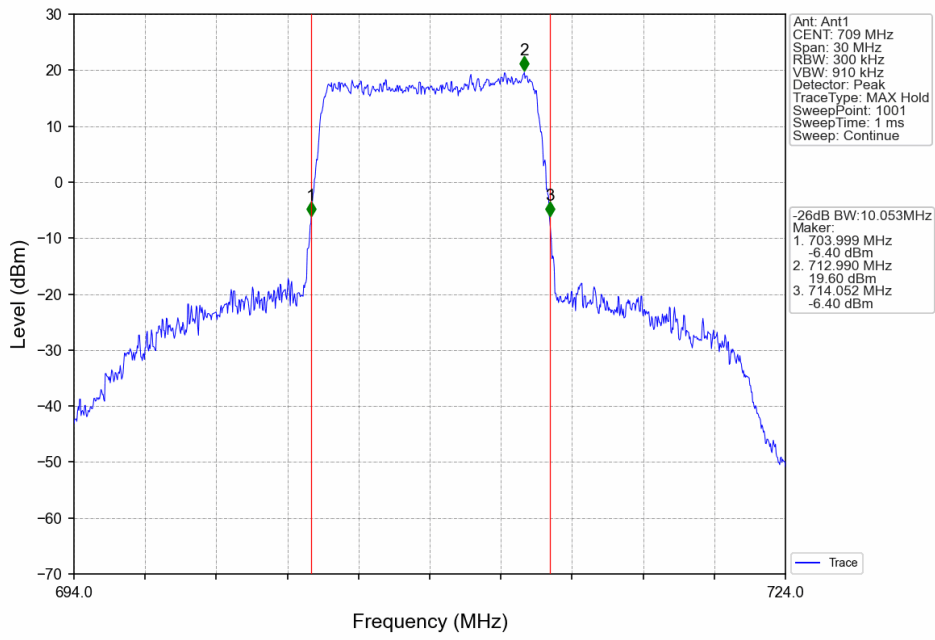
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



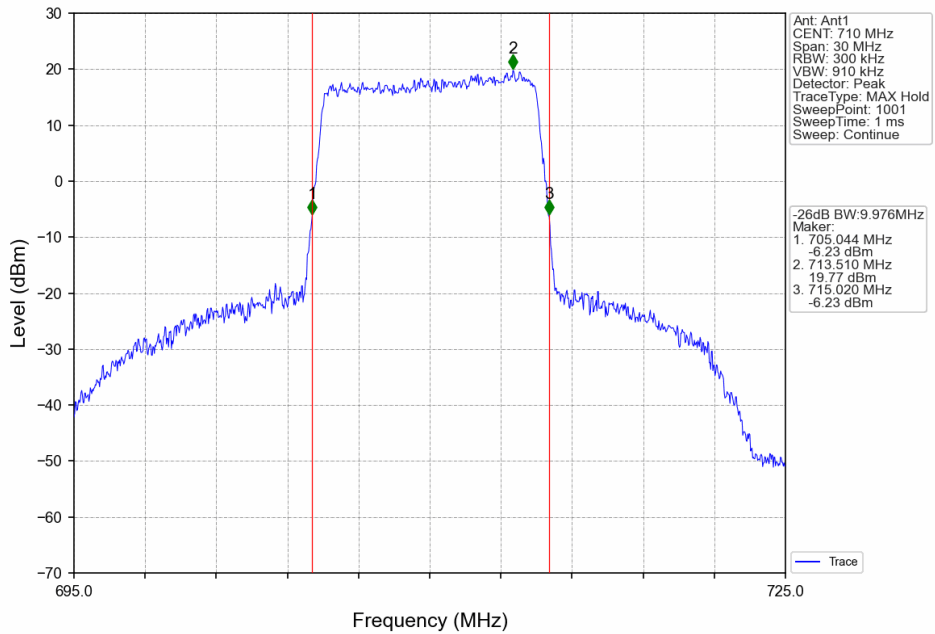
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



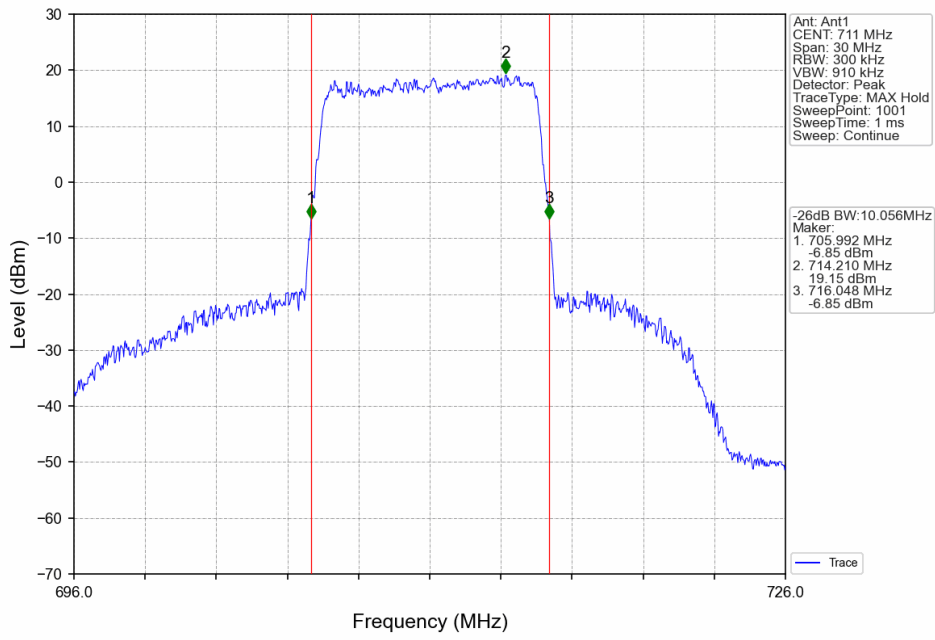
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



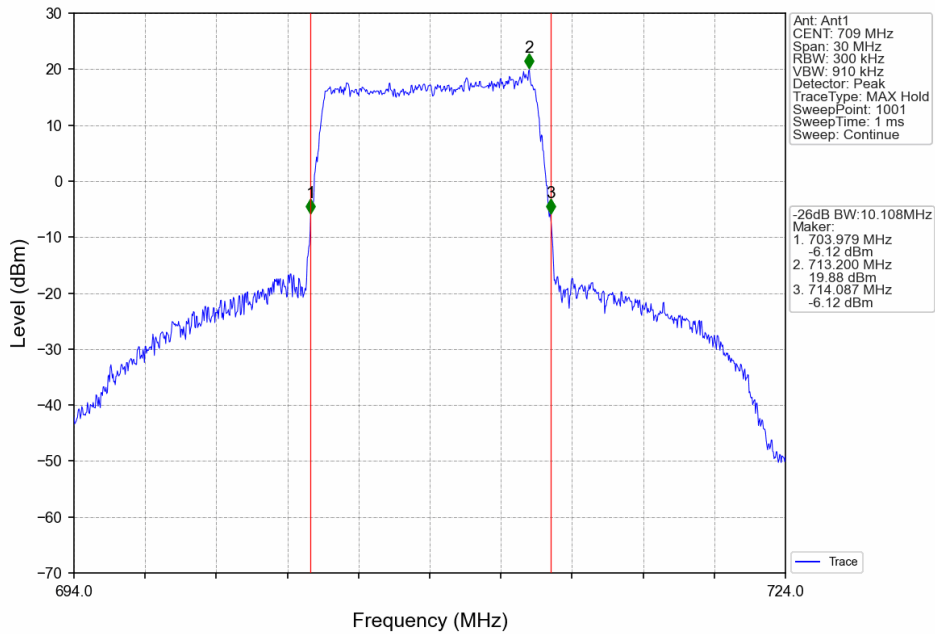
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



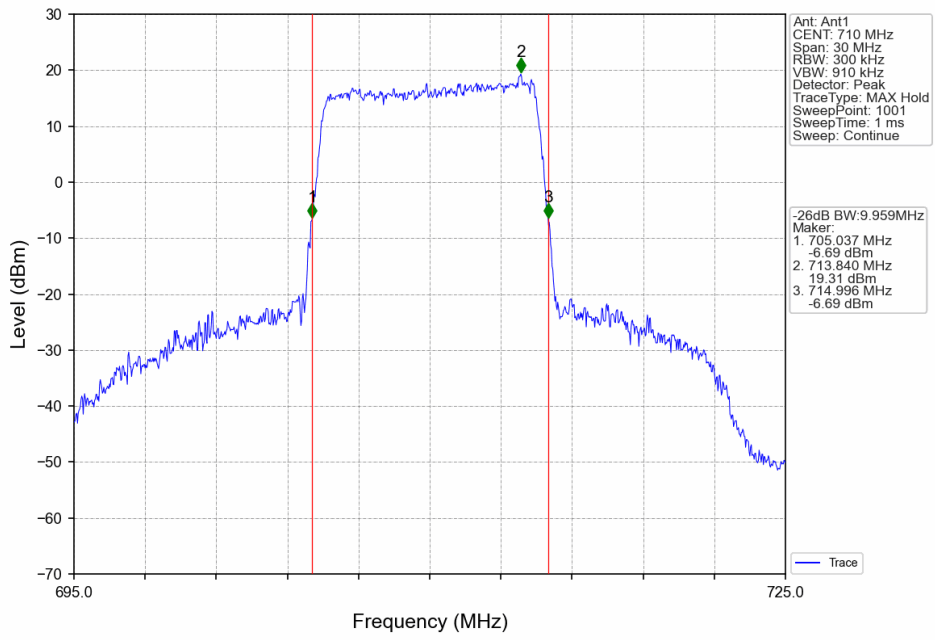
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



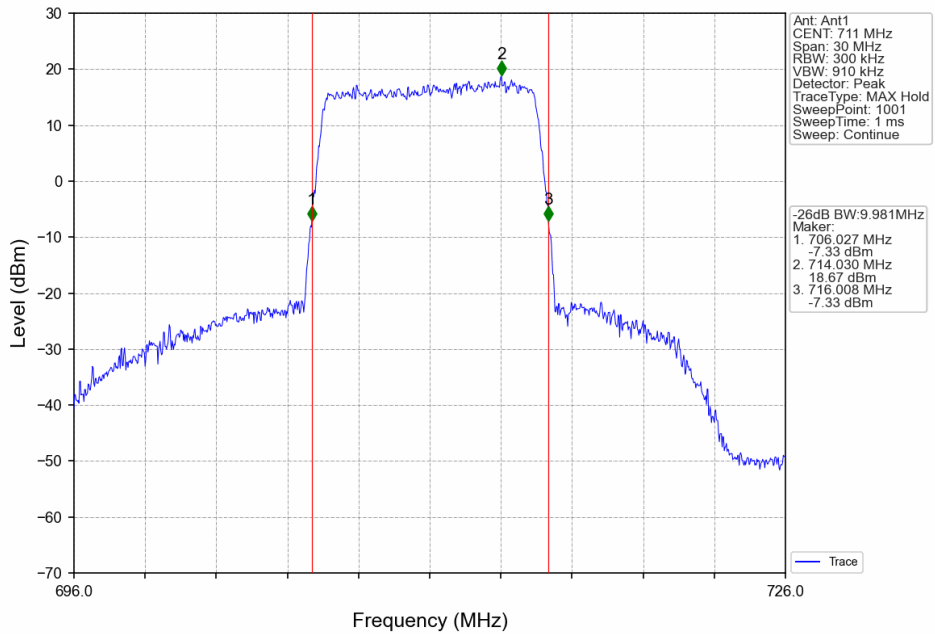
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



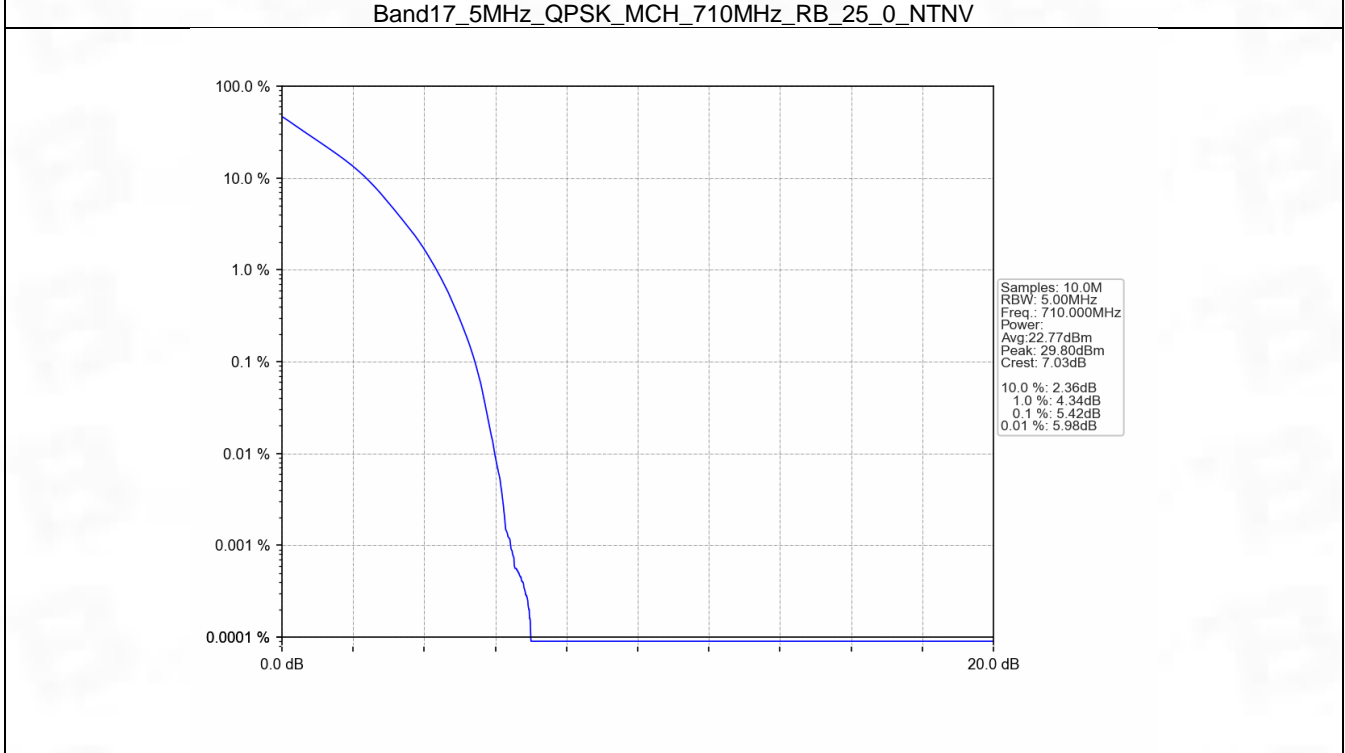
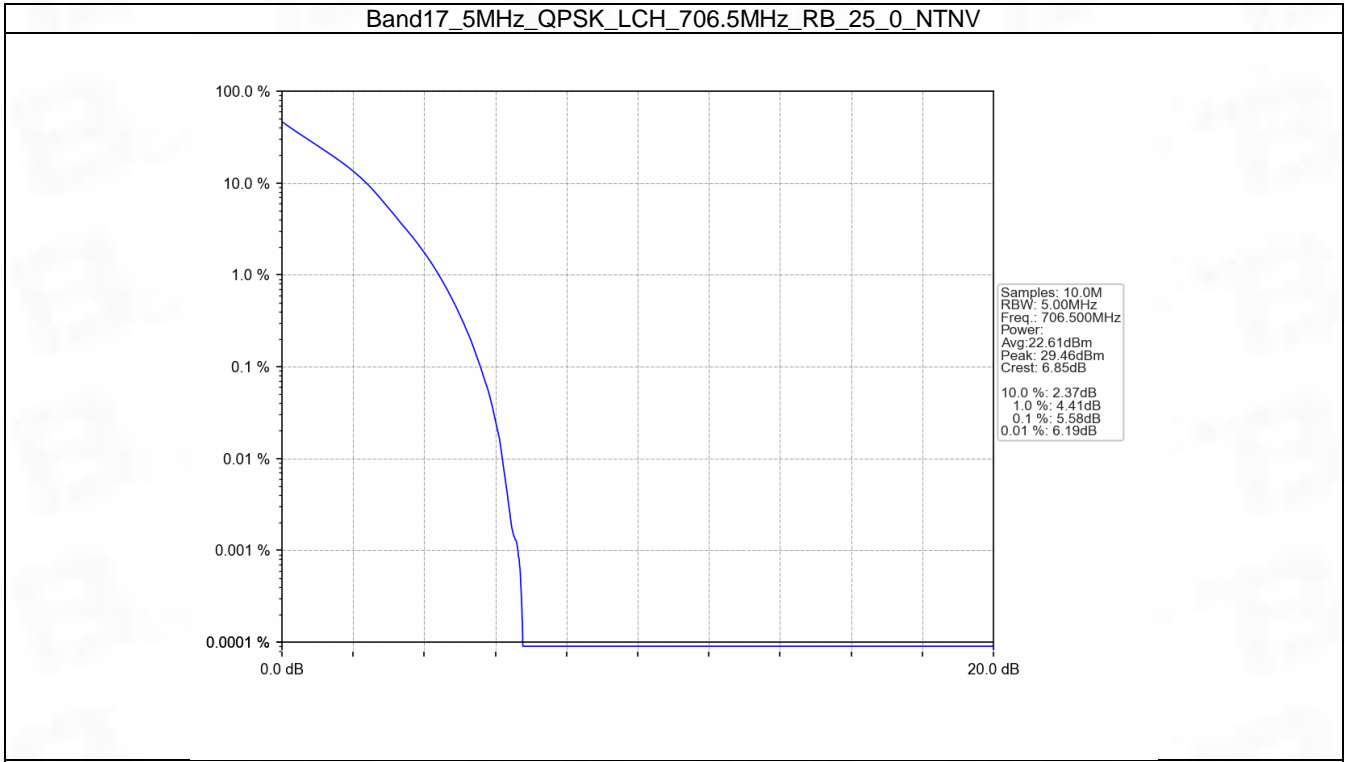
5. Peak-Average Ratio

5.1 B17_5MHz

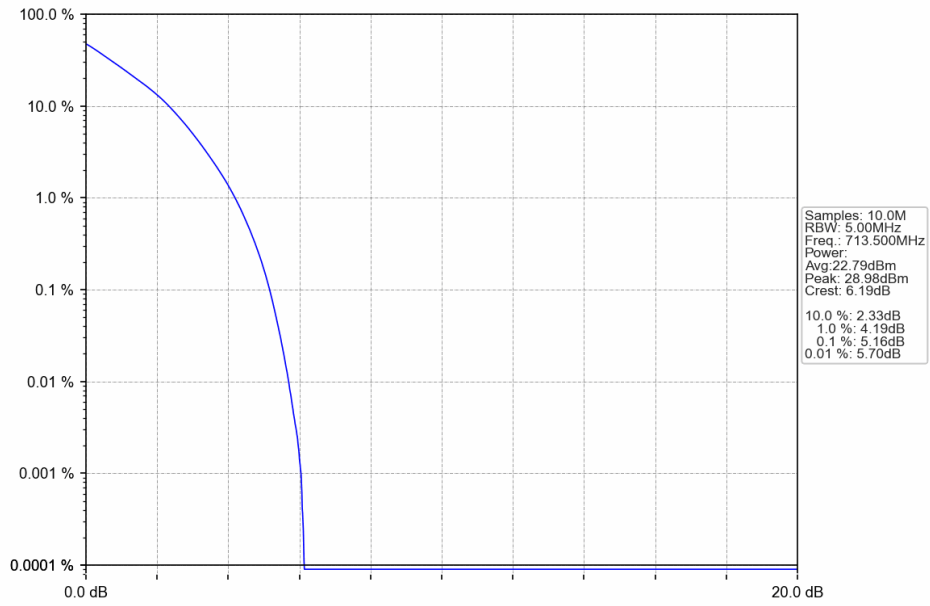
5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.58	<=13	Pass
	710	25	0	5.42	<=13	Pass
	713.5	25	0	5.16	<=13	Pass
16QAM	706.5	25	0	6.39	<=13	Pass
	710	25	0	6.21	<=13	Pass
	713.5	25	0	5.88	<=13	Pass

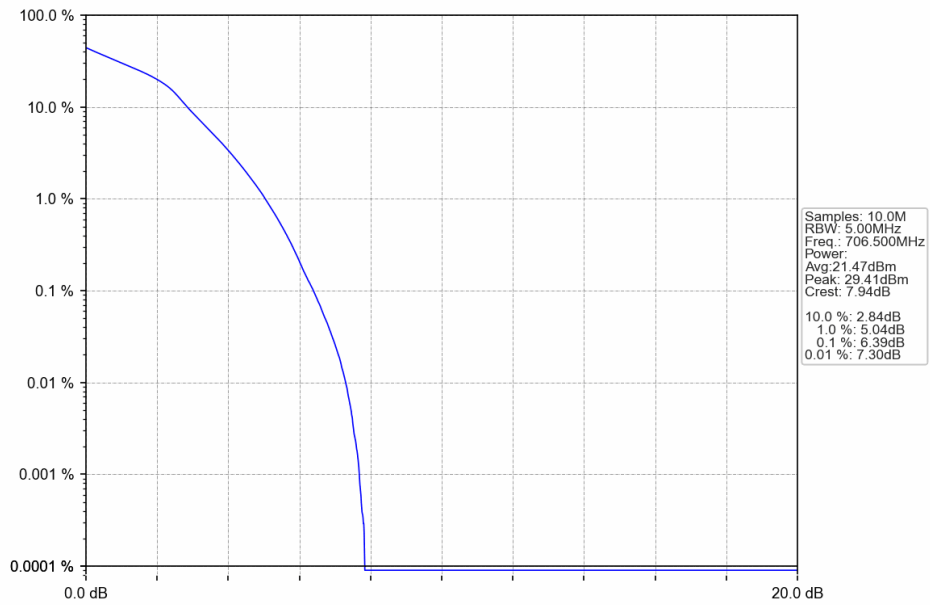
5.1.2 Test Graph



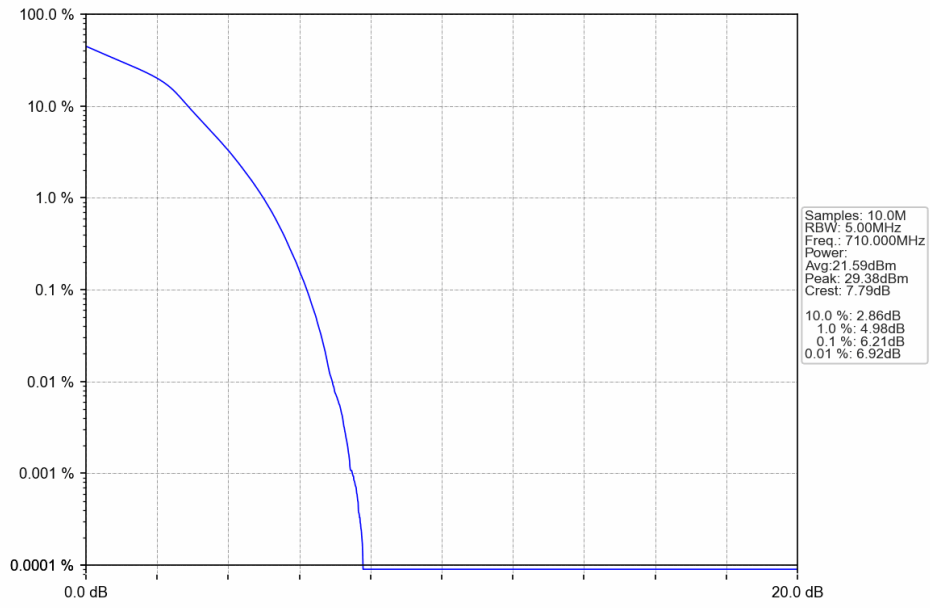
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



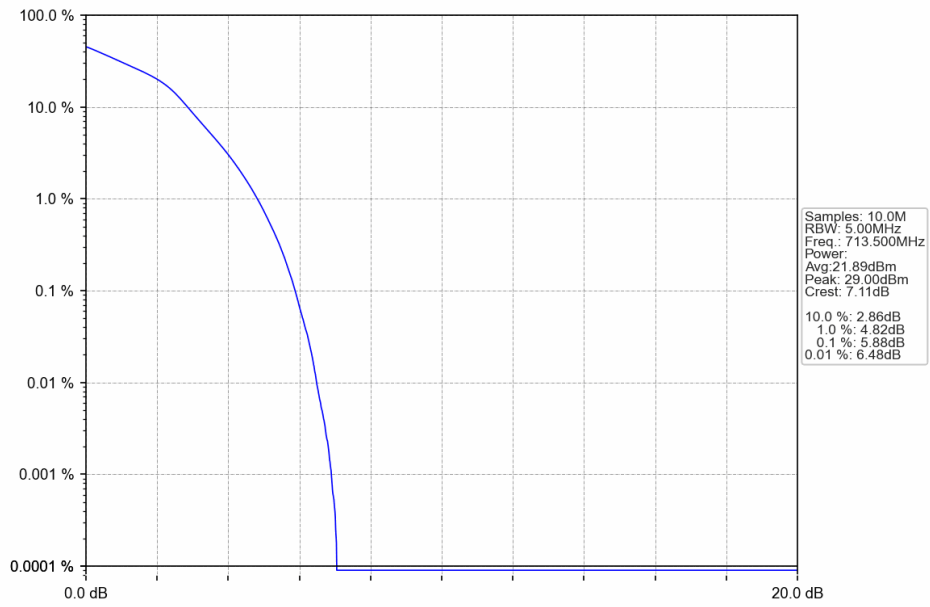
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

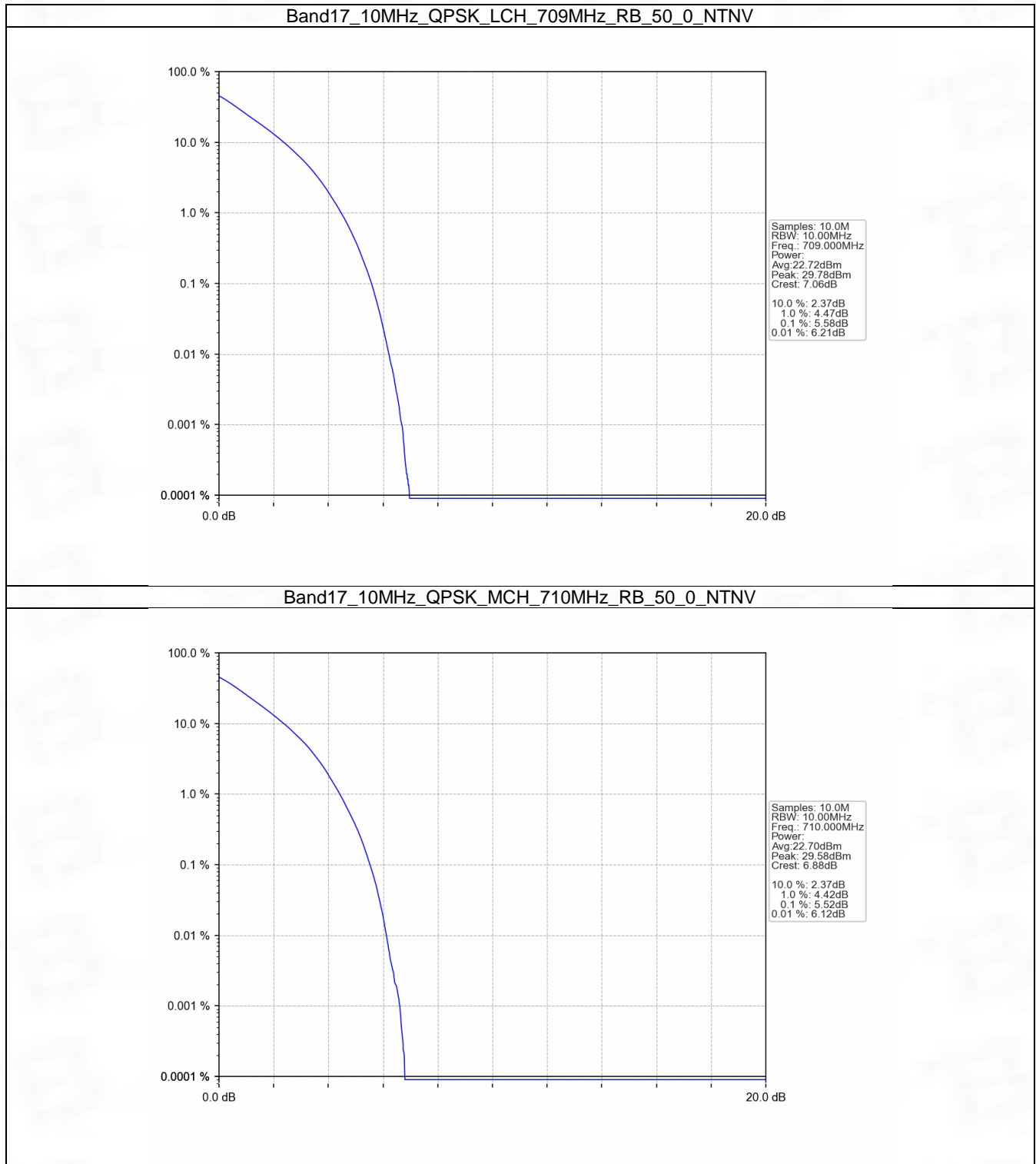


5.2 B17_10MHz

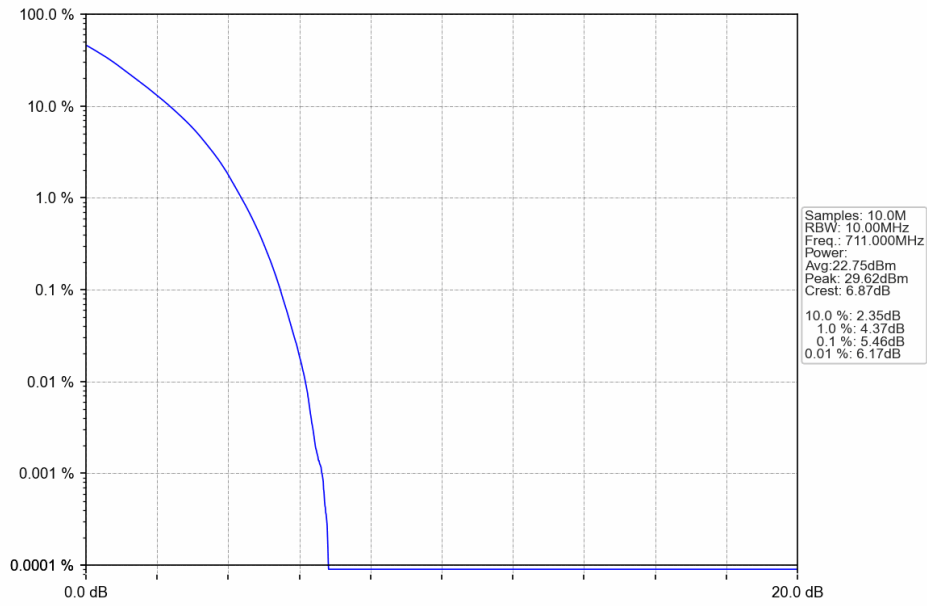
5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.58	<=13	Pass
	710	50	0	5.52	<=13	Pass
	711	50	0	5.46	<=13	Pass
16QAM	709	50	0	6.19	<=13	Pass
	710	50	0	6.30	<=13	Pass
	711	50	0	6.22	<=13	Pass

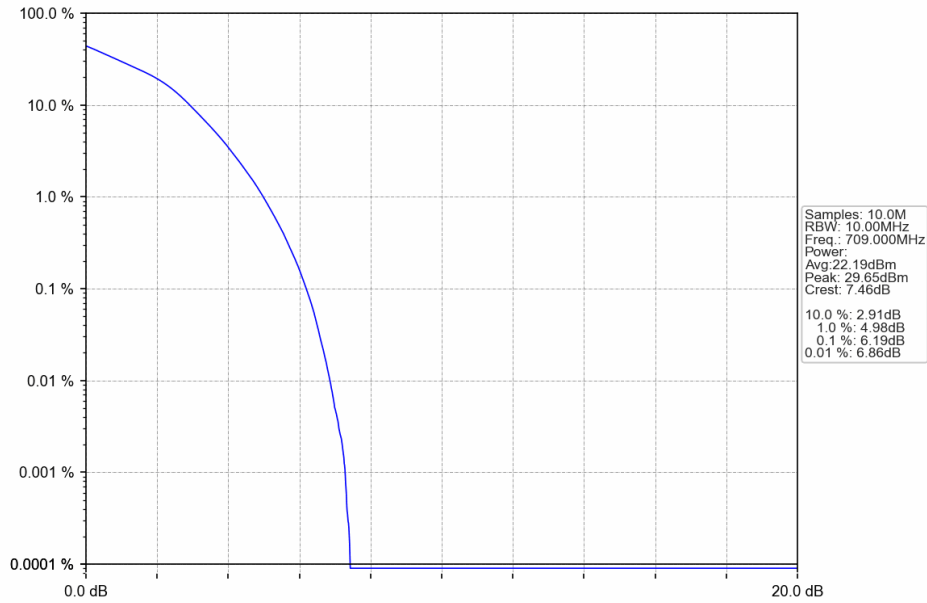
5.2.2 Test Graph



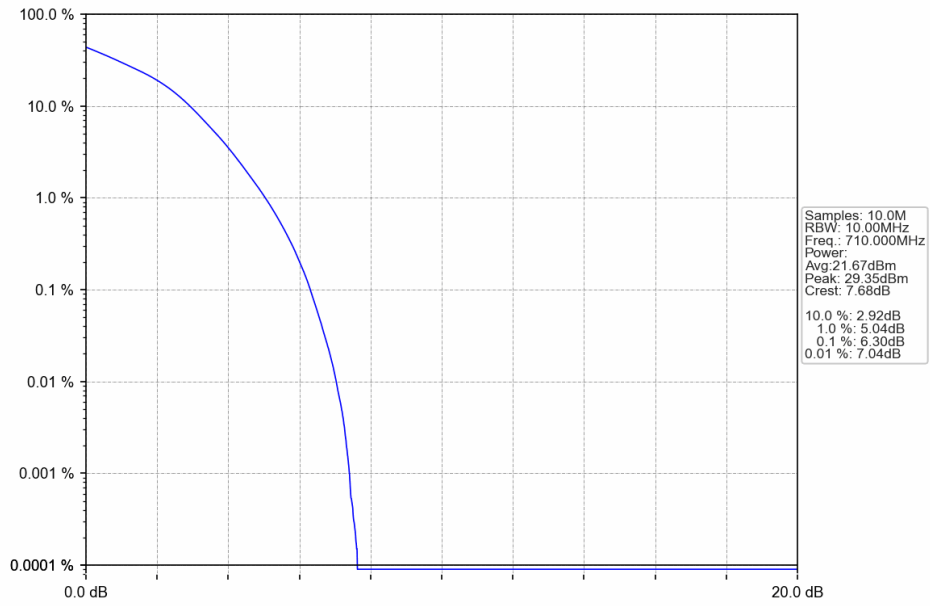
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



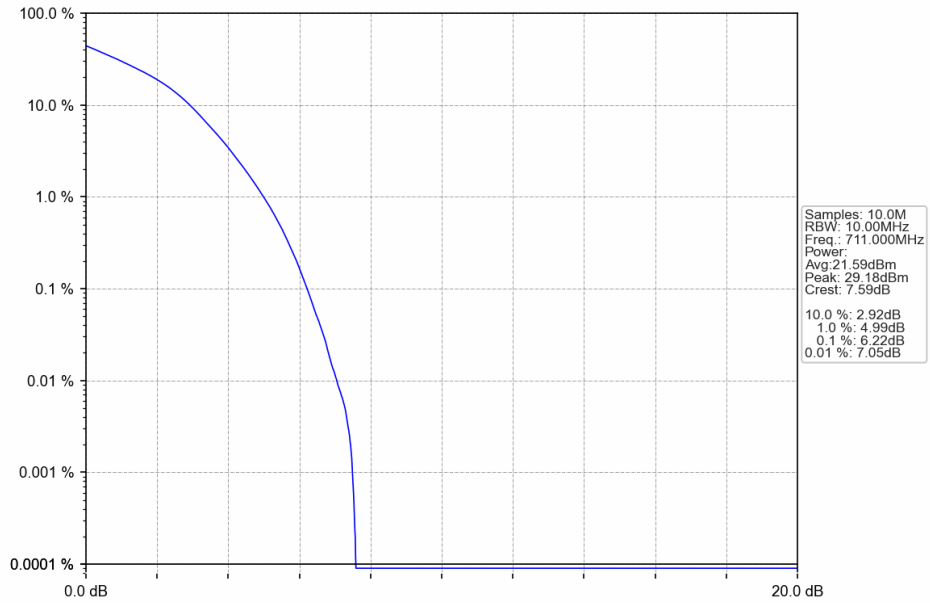
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



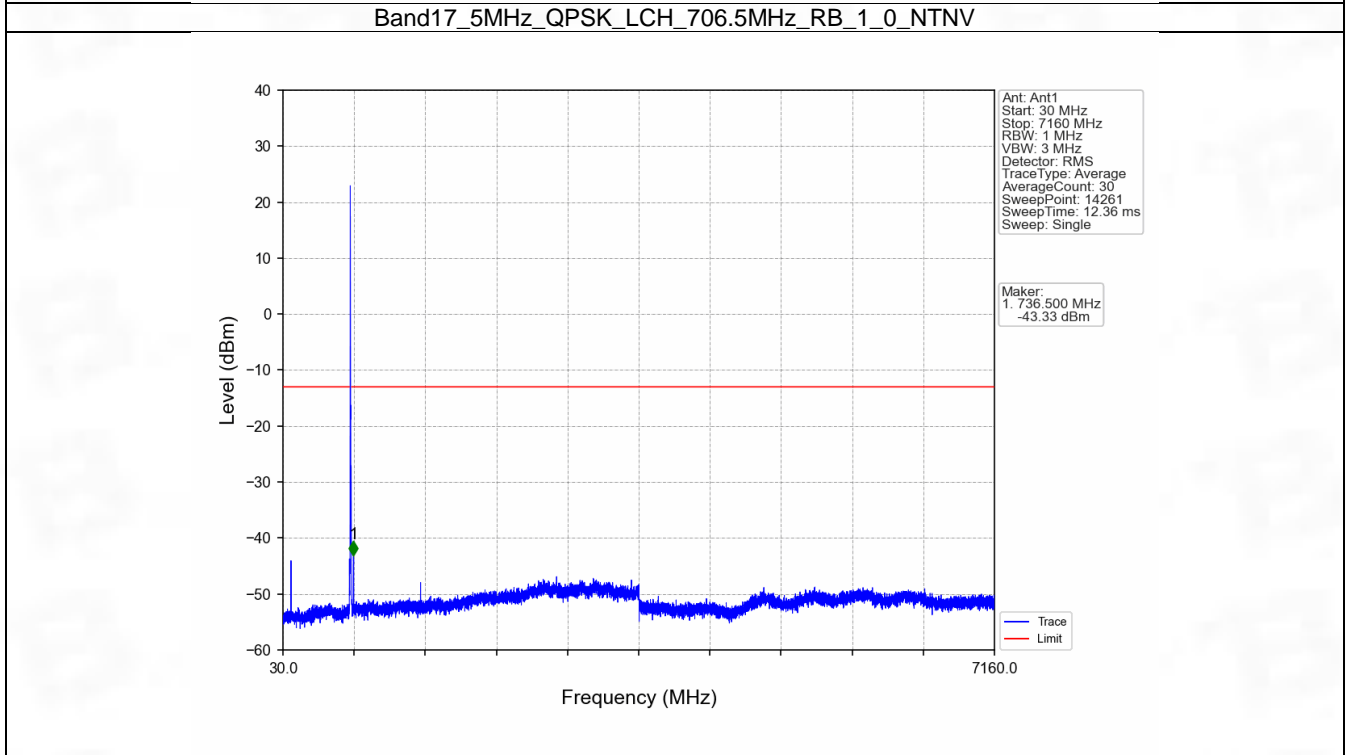
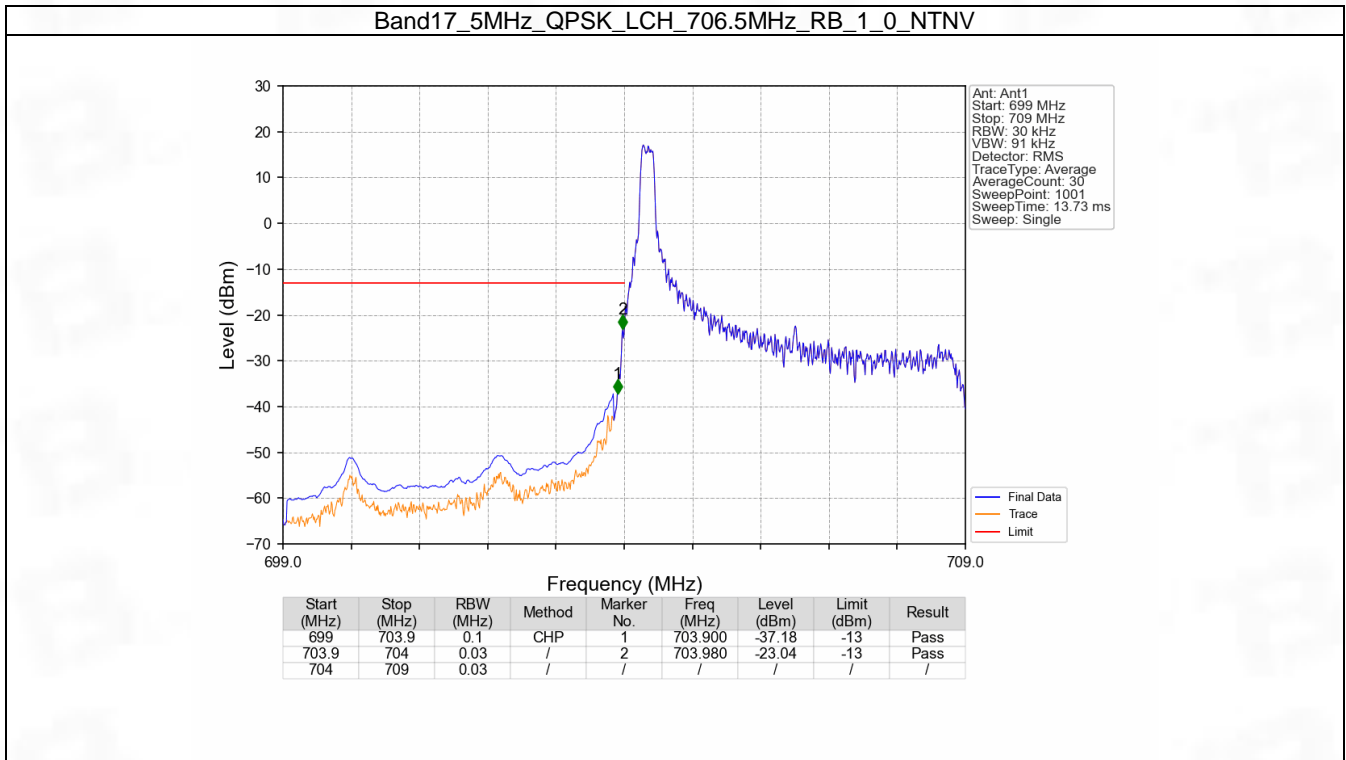
6. Spurious Emission

6.1 B17_5MHz

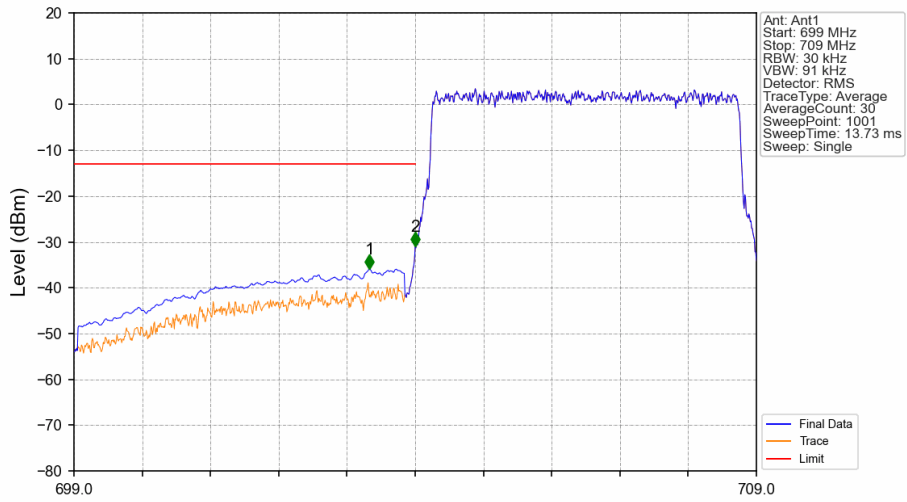
6.1.1 Test Result

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
		713.5	1	0	Refer To Test Graph	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	
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	
				24	Refer To Test Graph	
			25	0	Refer To Test Graph	

6.1.2 Test Graph

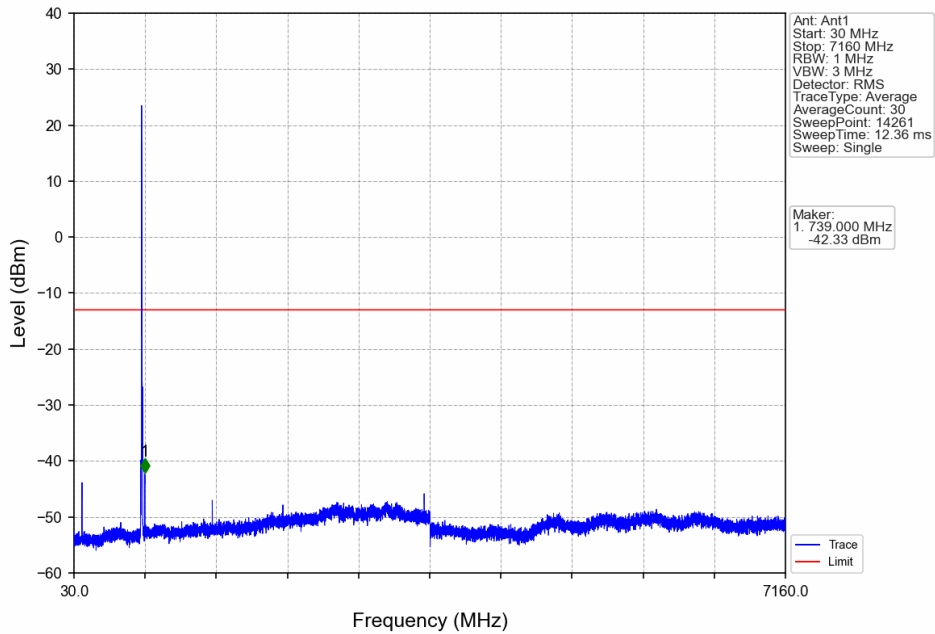


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

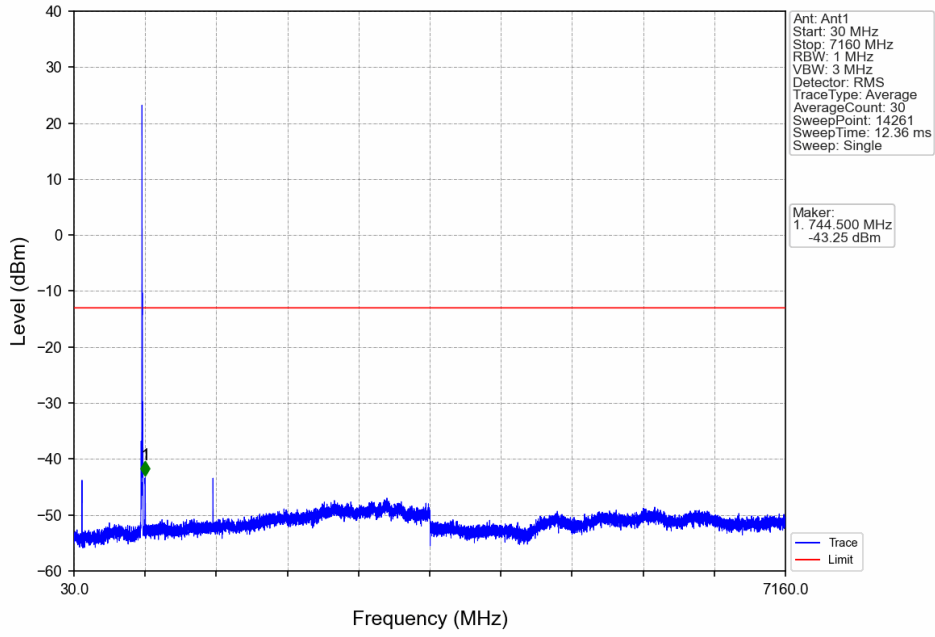


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.330	-35.95	-13	Pass
703.9	704	0.03	/	2	704.000	-31.05	-13	Pass
704	709	0.03	/	/	/	/	/	/

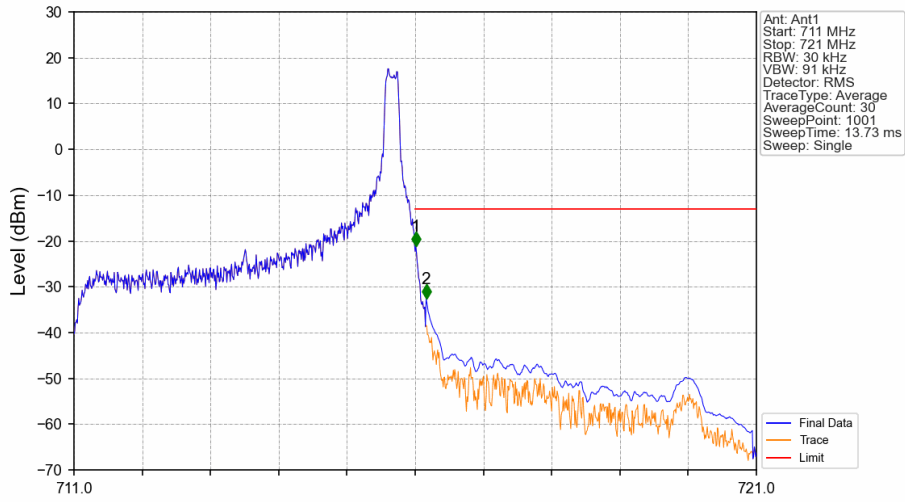
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

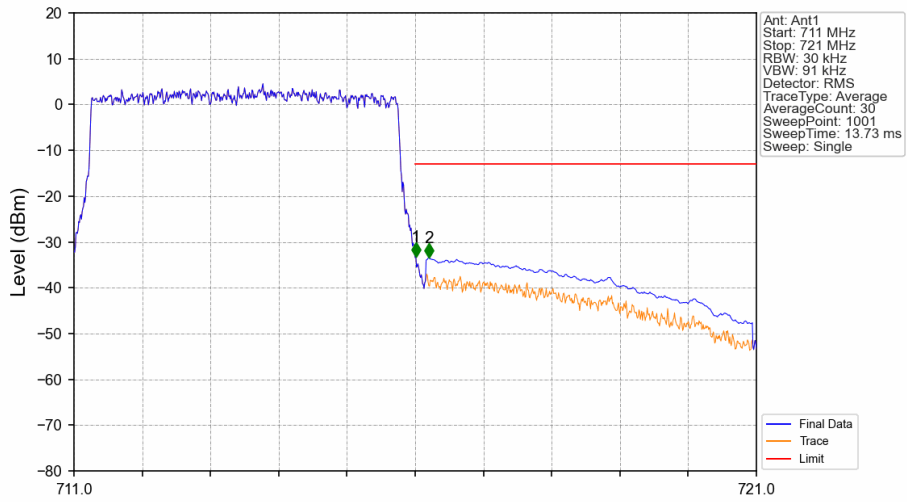


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



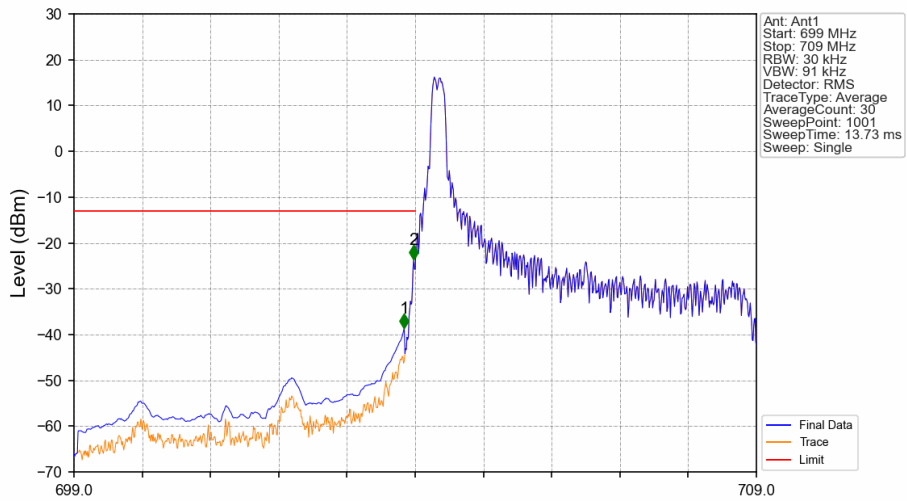
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.010	-21.22	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.58	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



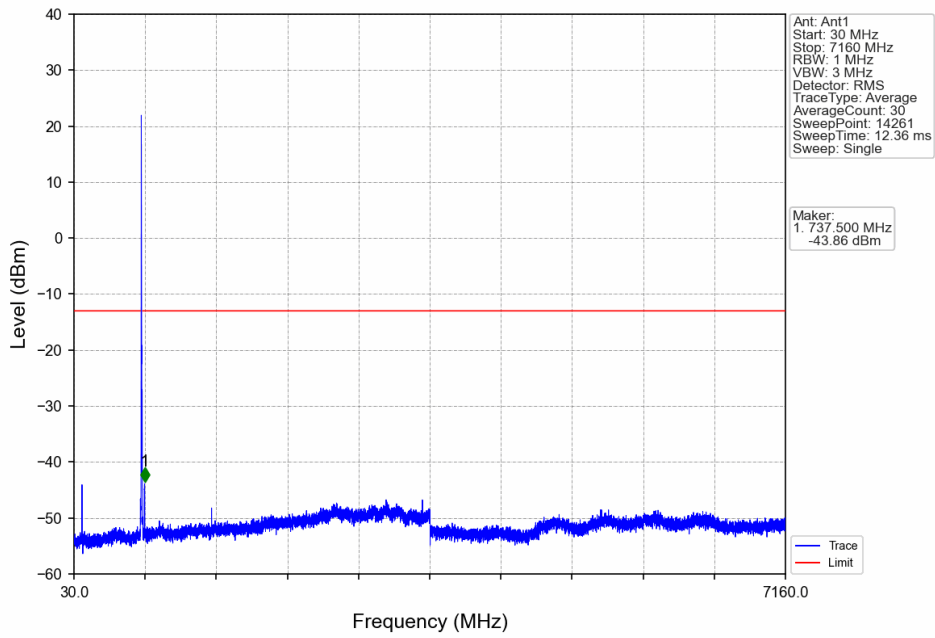
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-33.31	-13	Pass
716.1	721	0.1	CHP	2	716.200	-33.50	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

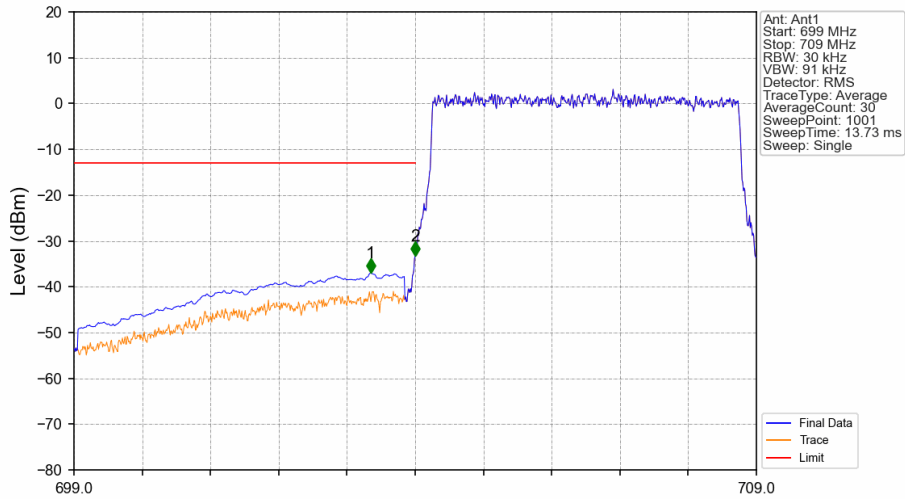


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-38.63	-13	Pass
703.9	704	0.03	/	2	703.980	-23.63	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

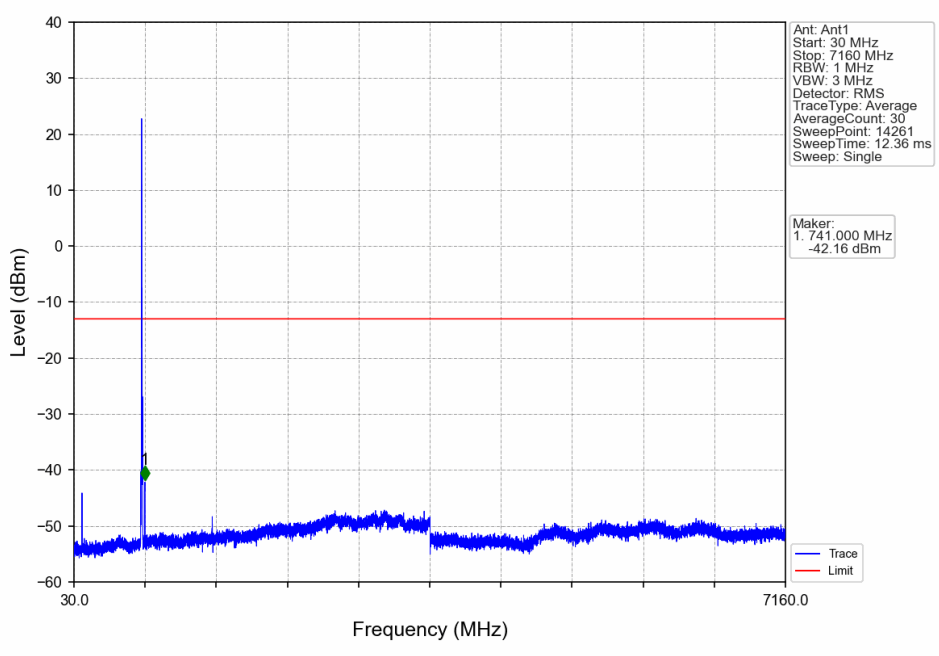


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

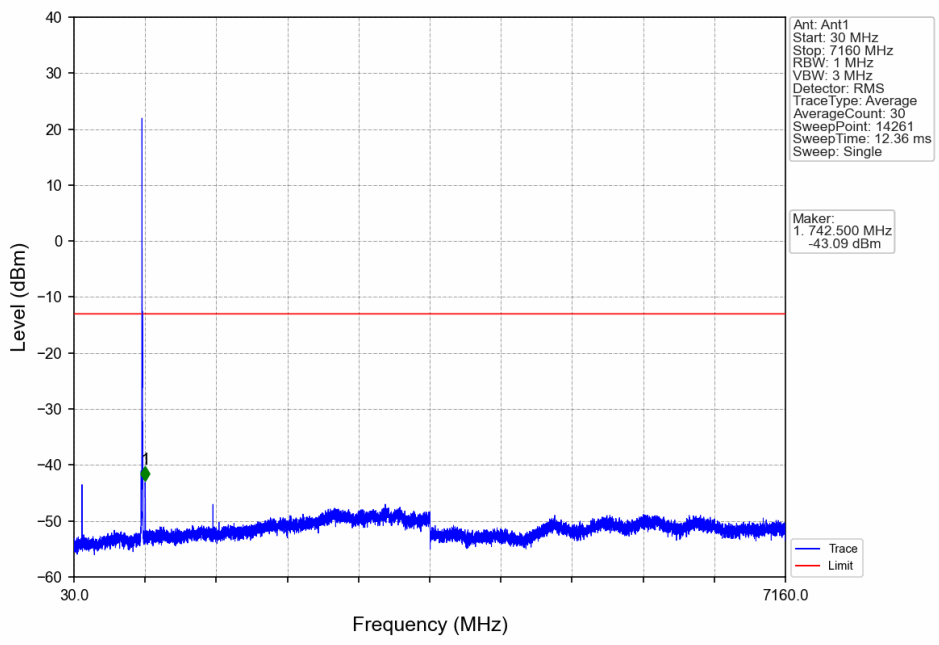


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.350	-36.93	-13	Pass
703.9	704	0.03	/	2	704.000	-33.23	-13	Pass
704	709	0.03	/	/	/	/	/	/

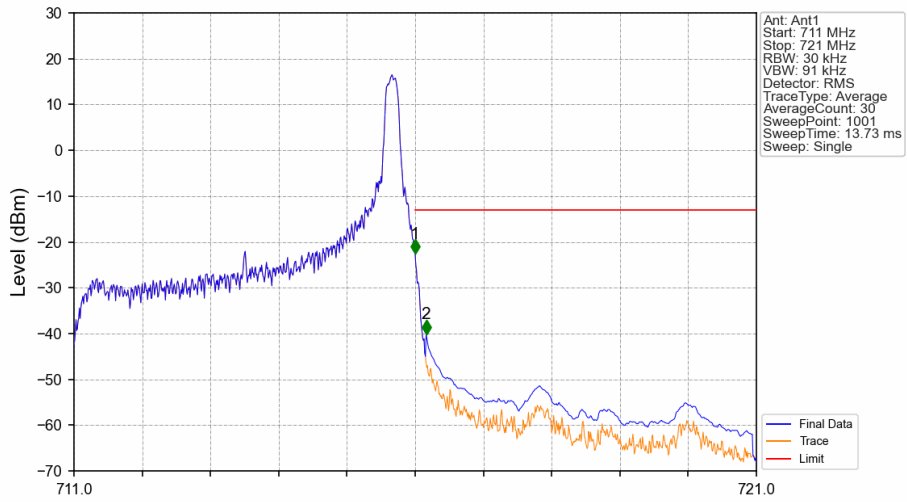
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

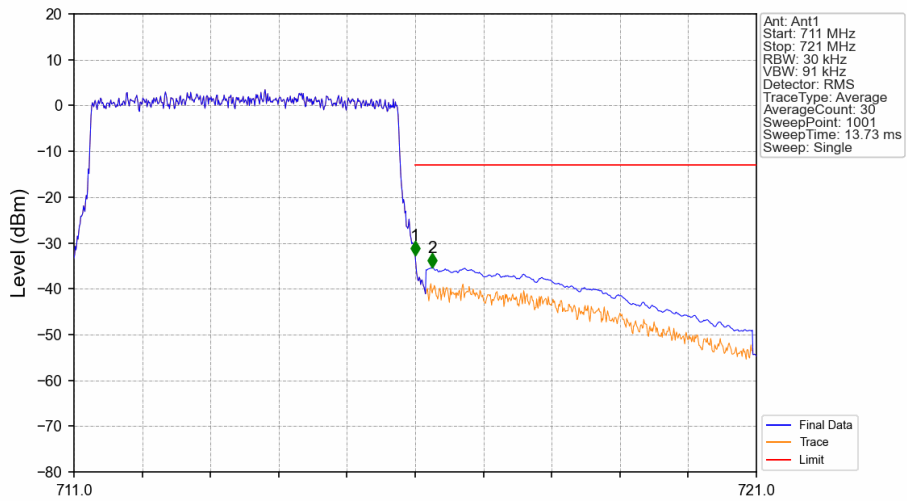


Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.000	-22.63	-13	Pass
716.1	721	0.1	CHP	2	716.160	-40.13	-13	Pass

Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



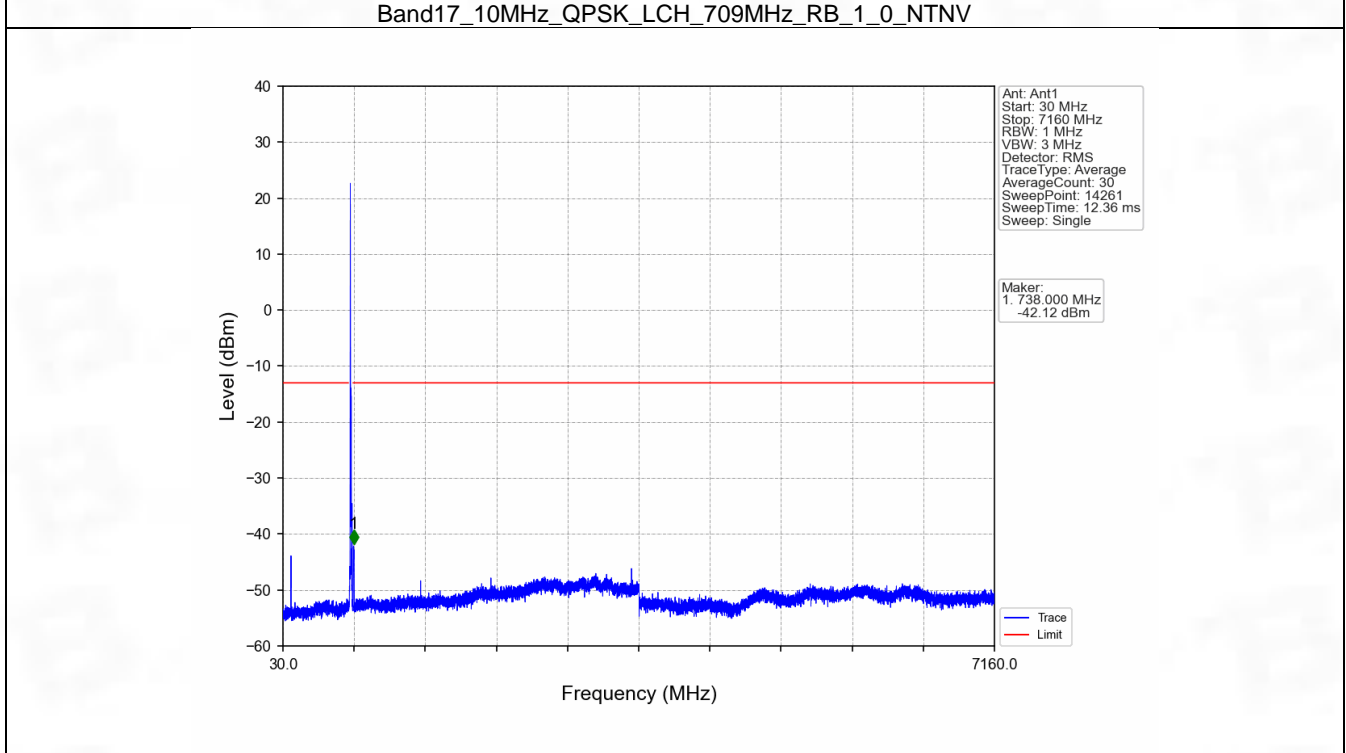
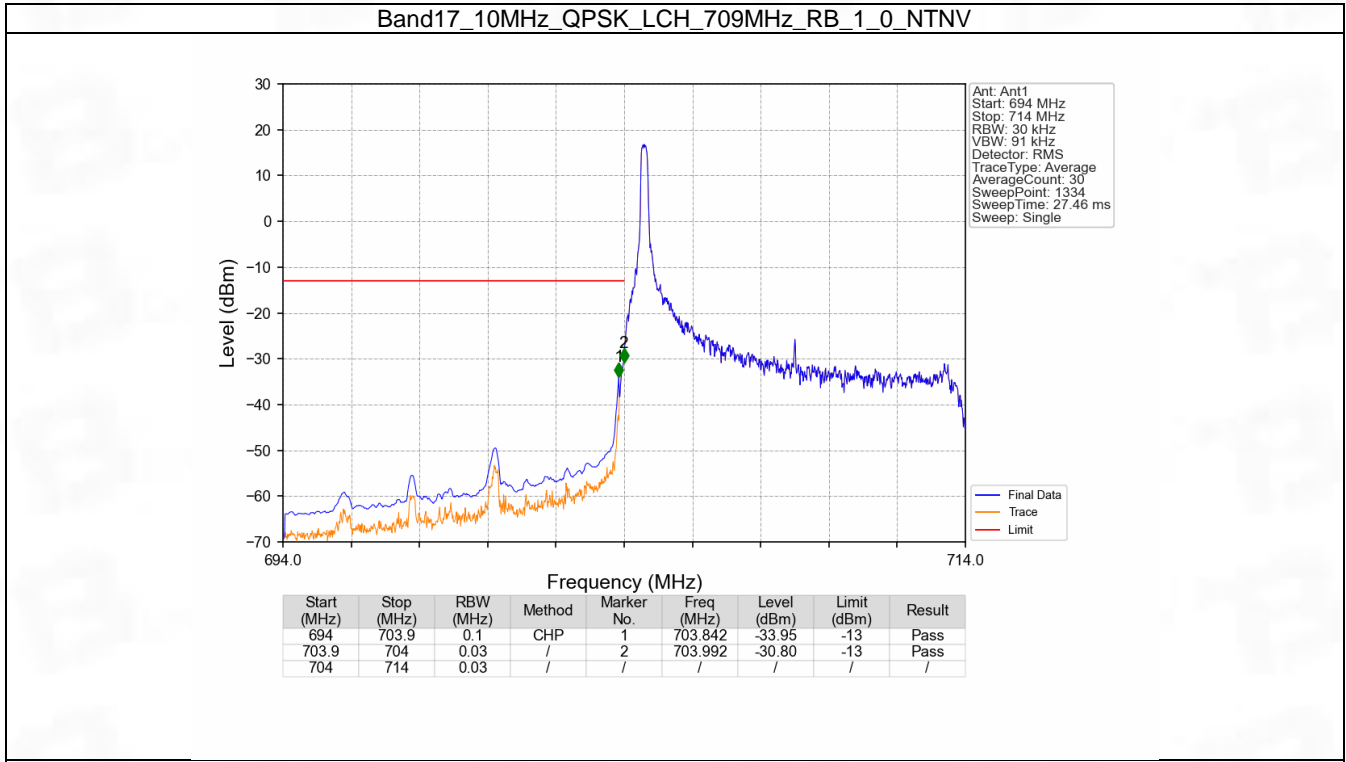
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.000	-32.80	-13	Pass
716.1	721	0.1	CHP	2	716.250	-35.44	-13	Pass

6.2 B17_10MHz

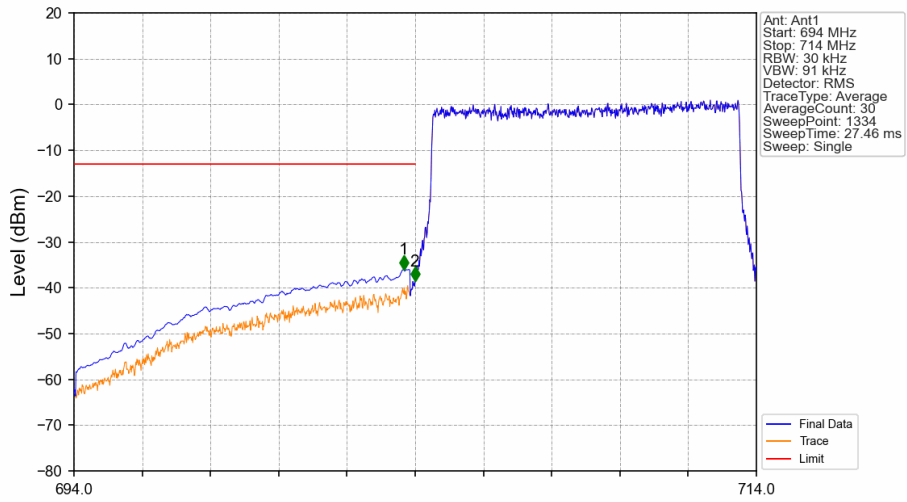
6.2.1 Test Result

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

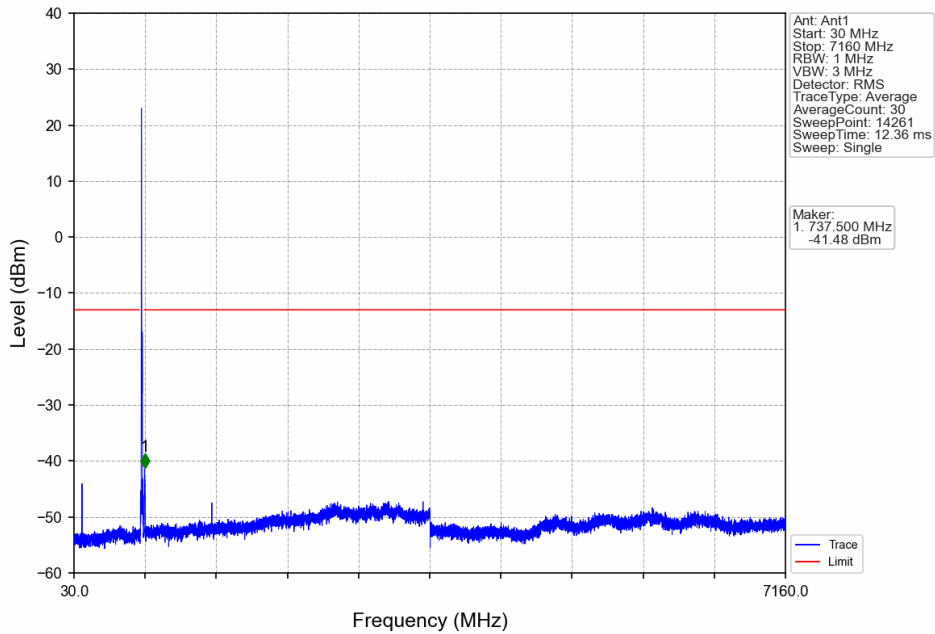


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

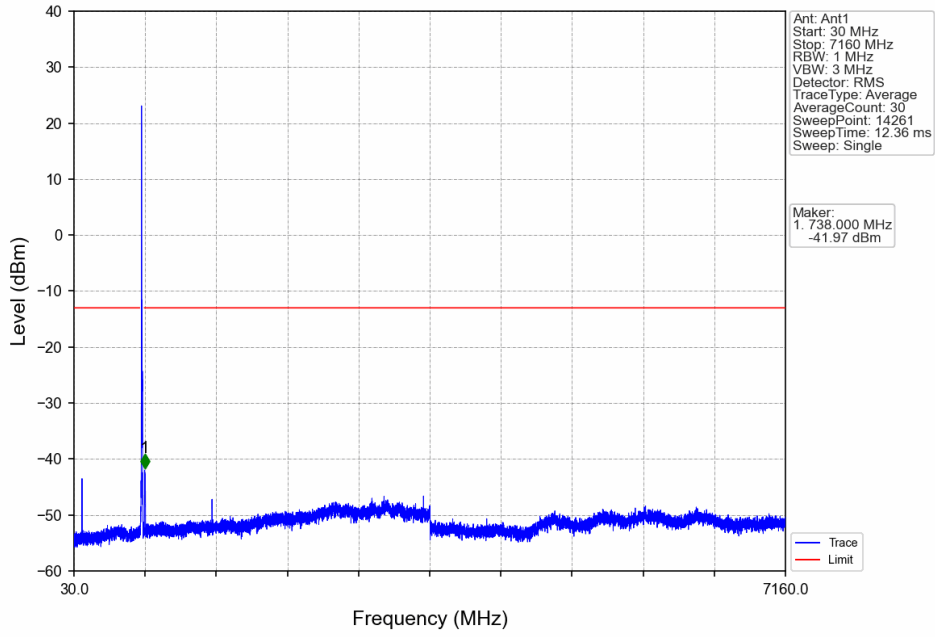


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.662	-36.01	-13	Pass
703.9	704	0.03	/	2	703.992	-38.51	-13	Pass
704	714	0.03	/	/	/	/	/	/

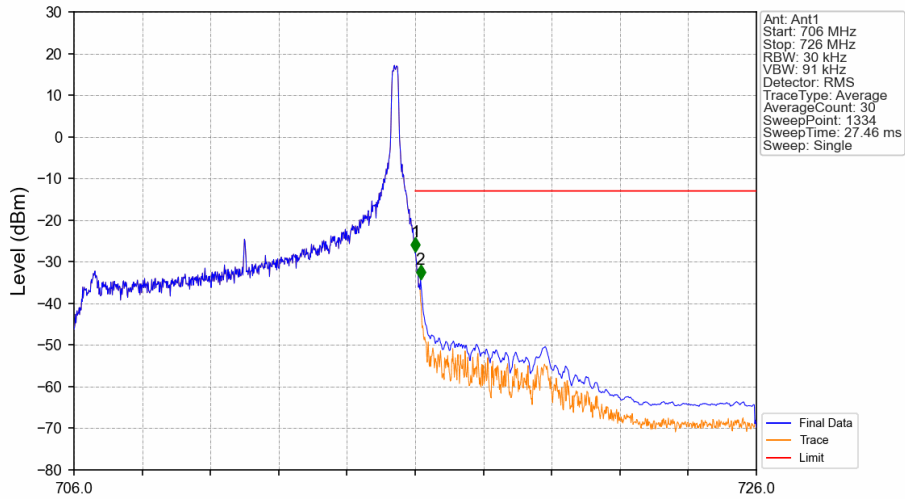
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

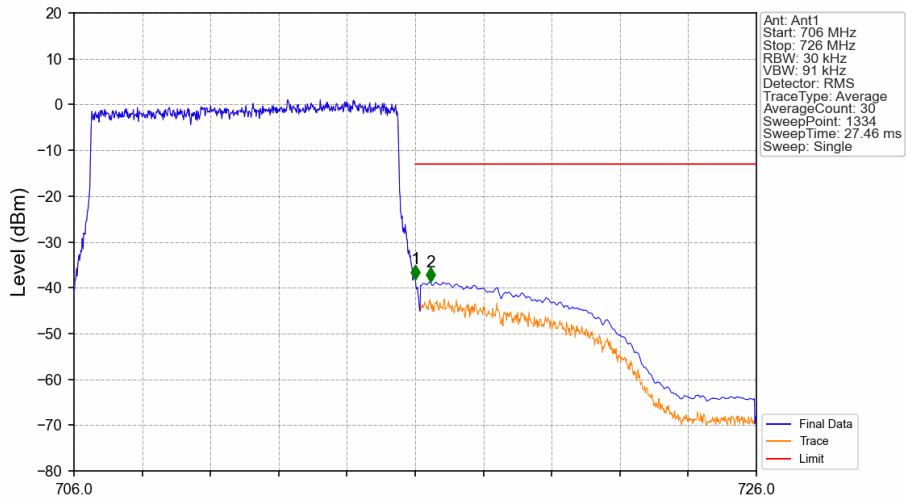


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



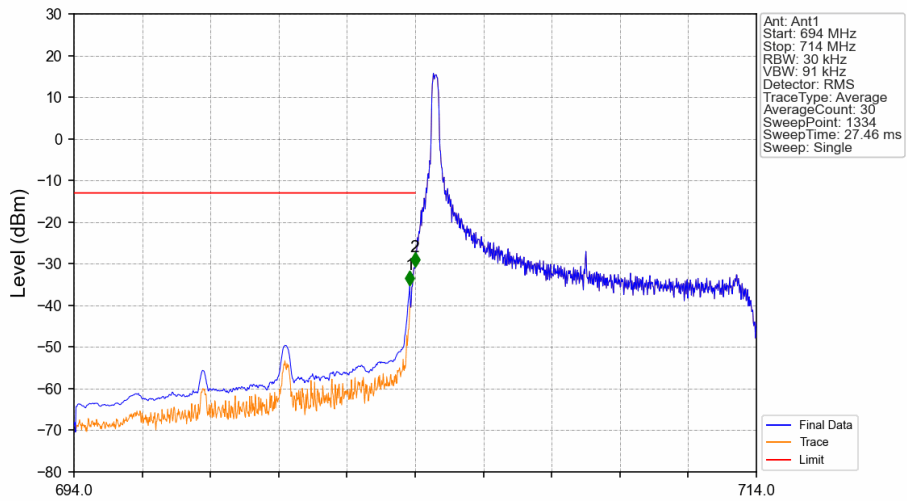
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.008	-27.62	-13	Pass
716	716.1	0.03	/	1	716.008	-27.62	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.23	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



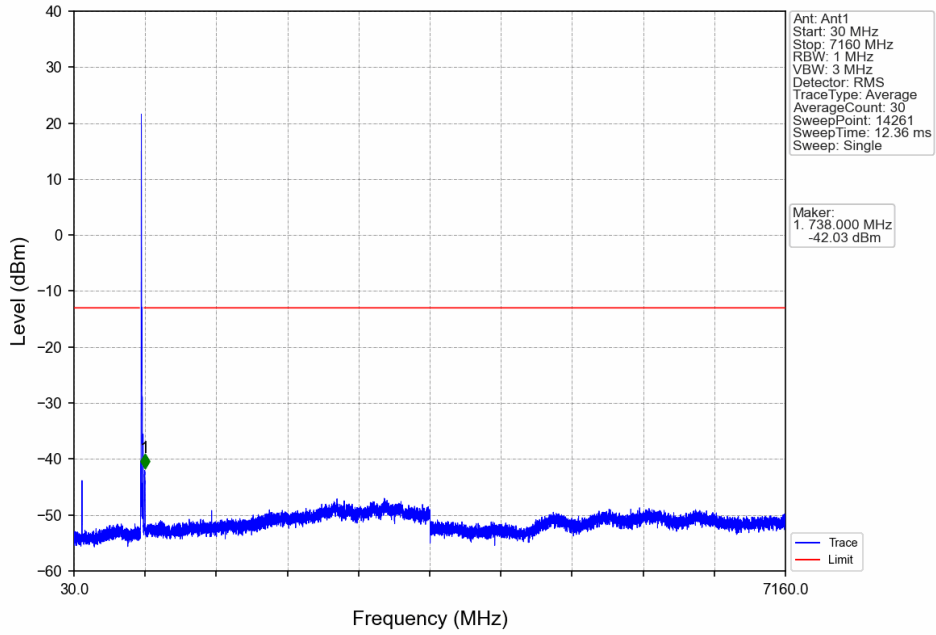
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.008	-38.13	-13	Pass
716.1	726	0.1	CHP	2	716.443	-38.74	-13	Pass

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

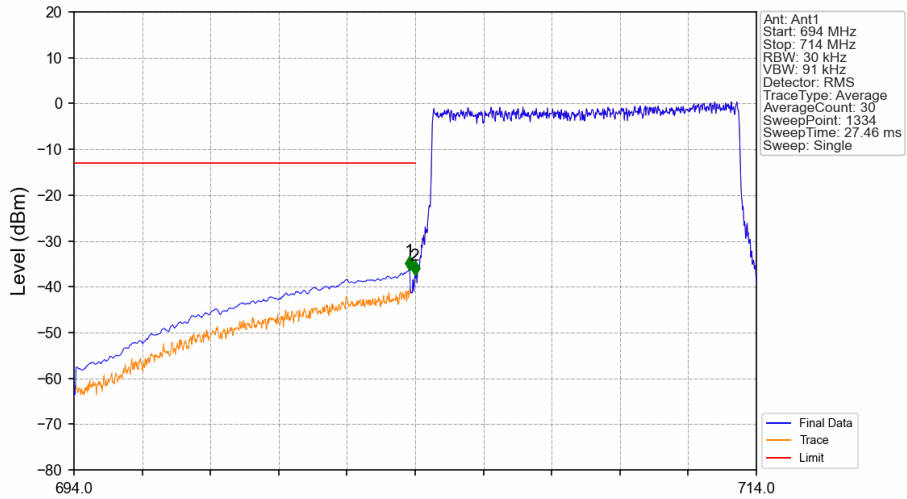


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.10	-13	Pass
703.9	704	0.03	/	2	703.992	-30.66	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

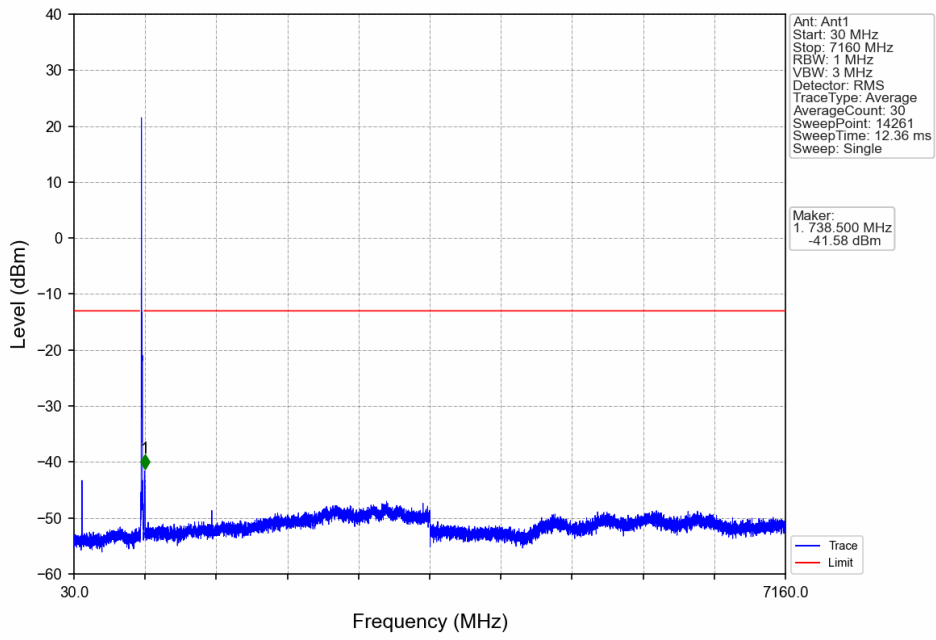


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

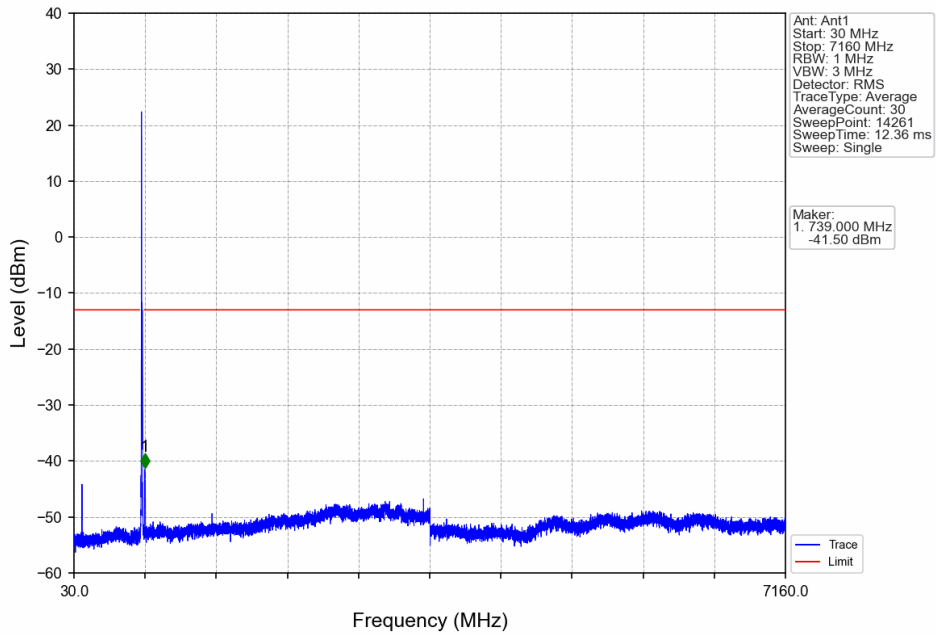


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.827	-36.39	-13	Pass
703.9	704	0.03	/	2	703.992	-37.49	-13	Pass
704	714	0.03	/	/	/	/	/	/

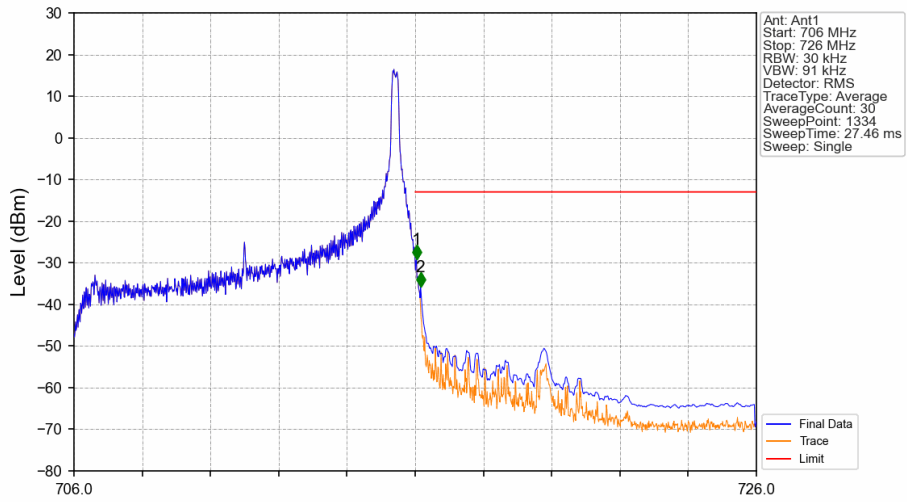
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

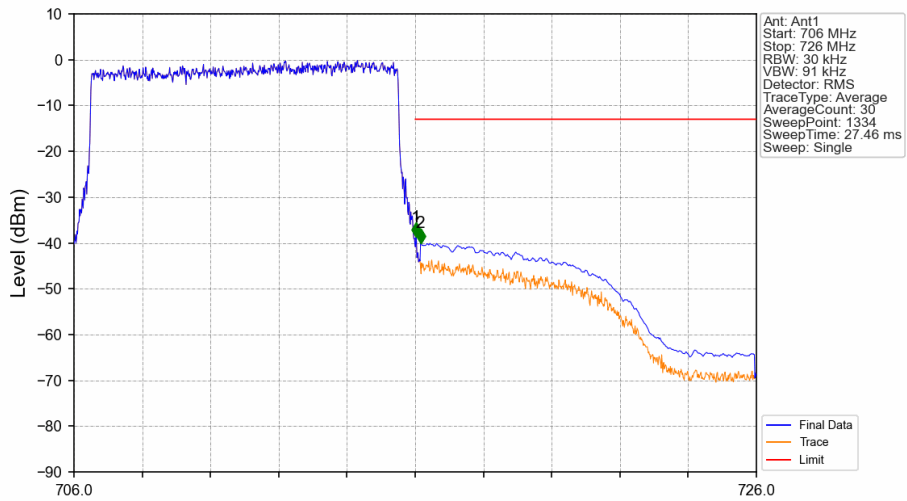


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.038	-29.24	-13	Pass
716.1	726	0.1	CHP	2	716.158	-35.76	-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	716.023	-38.70	-13	Pass
716.1	726	0.1	CHP	2	716.158	-40.00	-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	0.0432	ppm	4M55G7D	27H	23.41
17	5	706.5	713.5	0.1803	0.0698	ppm	4M56W7D	27H	22.56
17	10	709	711	0.2178	0.0618	ppm	9M10G7D	27H	23.38
17	10	709	711	0.1972	0.0144	ppm	9M09W7D	27H	22.95

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	0.0800	0.0432	ppm	4M55G7D	27H	19.03
17	5	706.5	713.5	0.0658	0.0698	ppm	4M56W7D	27H	18.18
17	10	709	711	0.0794	0.0618	ppm	9M10G7D	27H	19.00
17	10	709	711	0.0719	0.0144	ppm	9M09W7D	27H	18.57