1. Effective (Isotropic) Radiated Power Output Data

1.1 B17_5MHz_ERP(ANT31)

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	23.24	-7.67	13.42	<=34.77	Pass
			13	23.46	-7.67	13.64	<=34.77	Pass
			24	23.34	-7.67	13.52	<=34.77	Pass
		12	0	22.31	-7.67	12.49	<=34.77	Pass
			6	22.41	-7.67	12.59	<=34.77	Pass
			13	22.40	-7.67	12.58	<=34.77	Pass
		25	0	22.42	-7.67	12.60	<=34.77	Pass
	710	1	0	23.54	-7.67	13.72	<=34.77	Pass
			13	23.48	-7.67	13.66	<=34.77	Pass
			24	23.41	-7.67	13.59	<=34.77	Pass
		12	0	22.47	-7.67	12.65	<=34.77	Pass
			6	22.45	-7.67	12.63	<=34.77	Pass
			13	22.54	-7.67	12.72	<=34.77	Pass
		25	0	22.46	-7.67	12.64	<=34.77	Pass
	713.5	1	0	23.52	-7.67	13.70	<=34.77	Pass
			13	23.71	-7.67	13.89	<=34.77	Pass
			24	23.43	-7.67	13.61	<=34.77	Pass
		12	0	22.38	-7.67	12.56	<=34.77	Pass
			6	22.59	-7.67	12.77	<=34.77	Pass
			13	22.49	-7.67	12.67	<=34.77	Pass
		25	0	22.48	-7.67	12.66	<=34.77	Pass
16QAM	706.5	1	0	22.59	-7.67	12.77	<=34.77	Pass
			13	22.71	-7.67	12.89	<=34.77	Pass
			24	22.63	-7.67	12.81	<=34.77	Pass
		12	0	21.44	-7.67	11.62	<=34.77	Pass
			6	21.53	-7.67	11.71	<=34.77	Pass
			13	21.48	-7.67	11.66	<=34.77	Pass
		25	0	21.35	-7.67	11.53	<=34.77	Pass
	710	1	0	22.63	-7.67	12.81	<=34.77	Pass
			13	22.83	-7.67	13.01	<=34.77	Pass
			24	22.66	-7.67	12.84	<=34.77	Pass
		12	0	21.50	-7.67	11.68	<=34.77	Pass
			6	21.45	-7.67	11.63	<=34.77	Pass
			13	21.54	-7.67	11.72	<=34.77	Pass
		25	0	21.47	-7.67	11.65	<=34.77	Pass
	713.5	1	0	22.86	-7.67	13.04	<=34.77	Pass
			13	22.81	-7.67	12.99	<=34.77	Pass
			24	22.74	-7.67	12.92	<=34.77	Pass
		12	0	21.57	-7.67	11.75	<=34.77	Pass
			6	21.55	-7.67	11.73	<=34.77	Pass
			13	21.55	-7.67	11.73	<=34.77	Pass
		25	0	21.42	-7.67	11.60	<=34.77	Pass
64QAM	706.5	1	0	22.28	-7.67	12.46	<=34.77	Pass
			13	22.66	-7.67	12.84	<=34.77	Pass
			24	22.35	-7.67	12.53	<=34.77	Pass
		12	0	21.42	-7.67	11.60	<=34.77	Pass
			6	21.42	-7.67	11.60	<=34.77	Pass
			13	21.47	-7.67	11.65	<=34.77	Pass
		25	0	21.44	-7.67	11.62	<=34.77	Pass

	710	1	0	22.45	-7.67	12.63	<=34.77	Pass
			13	22.78	-7.67	12.96	<=34.77	Pass
			24	22.61	-7.67	12.79	<=34.77	Pass
		12	0	21.50	-7.67	11.68	<=34.77	Pass
			6	21.50	-7.67	11.68	<=34.77	Pass
			13	21.50	-7.67	11.68	<=34.77	Pass
		25	0	21.46	-7.67	11.64	<=34.77	Pass
	713.5	1	0	22.51	-7.67	12.69	<=34.77	Pass
			13	22.62	-7.67	12.80	<=34.77	Pass
			24	22.49	-7.67	12.67	<=34.77	Pass
		12	0	21.45	-7.67	11.63	<=34.77	Pass
			6	21.58	-7.67	11.76	<=34.77	Pass
			13	21.51	-7.67	11.69	<=34.77	Pass
		25	0	21.43	-7.67	11.61	<=34.77	Pass
256QAM	706.5	1	0	18.40	-7.67	8.58	<=34.77	Pass
			13	18.64	-7.67	8.82	<=34.77	Pass
			24	18.72	-7.67	8.90	<=34.77	Pass
		12	0	18.35	-7.67	8.53	<=34.77	Pass
			6	18.46	-7.67	8.64	<=34.77	Pass
			13	18.39	-7.67	8.57	<=34.77	Pass
		25	0	18.40	-7.67	8.58	<=34.77	Pass
	710	1	0	18.43	-7.67	8.61	<=34.77	Pass
			13	18.62	-7.67	8.80	<=34.77	Pass
			24	18.58	-7.67	8.76	<=34.77	Pass
		12	0	18.45	-7.67	8.63	<=34.77	Pass
			6	18.49	-7.67	8.67	<=34.77	Pass
			13	18.45	-7.67	8.63	<=34.77	Pass
		25	0	18.47	-7.67	8.65	<=34.77	Pass
	713.5	1	0	18.53	-7.67	8.71	<=34.77	Pass
			13	18.64	-7.67	8.82	<=34.77	Pass
			24	18.62	-7.67	8.80	<=34.77	Pass
		12	0	18.45	-7.67	8.63	<=34.77	Pass
			6	18.52	-7.67	8.70	<=34.77	Pass
			13	18.47	-7.67	8.65	<=34.77	Pass
		25	0	18.43	-7.67	8.61	<=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	23.35	-7.67	13.53	<=34.77	Pass
			25	23.42	-7.67	13.60	<=34.77	Pass
			49	23.40	-7.67	13.58	<=34.77	Pass
		25	0	22.50	-7.67	12.68	<=34.77	Pass
			13	22.54	-7.67	12.72	<=34.77	Pass
			25	22.49	-7.67	12.67	<=34.77	Pass
		50	0	22.50	-7.67	12.68	<=34.77	Pass
	710	1	0	23.56	-7.67	13.74	<=34.77	Pass
			25	23.50	-7.67	13.68	<=34.77	Pass
			49	23.46	-7.67	13.64	<=34.77	Pass
		25	0	22.42	-7.67	12.60	<=34.77	Pass
			13	22.58	-7.67	12.76	<=34.77	Pass
			25	22.49	-7.67	12.67	<=34.77	Pass

		50	0	22.37	-7.67	12.55	<=34.77	Pass
	711	1	0	23.51	-7.67	13.69	<=34.77	Pass
			25	23.53	-7.67	13.71	<=34.77	Pass
			49	23.32	-7.67	13.50	<=34.77	Pass
		25	0	22.45	-7.67	12.63	<=34.77	Pass
			13	22.47	-7.67	12.65	<=34.77	Pass
			25	22.53	-7.67	12.71	<=34.77	Pass
		50	0	22.42	-7.67	12.60	<=34.77	Pass
16QAM	709	1	0	22.67	-7.67	12.85	<=34.77	Pass
			25	22.78	-7.67	12.96	<=34.77	Pass
			49	22.74	-7.67	12.92	<=34.77	Pass
		25	0	21.47	-7.67	11.65	<=34.77	Pass
			13	21.52	-7.67	11.70	<=34.77	Pass
			25	21.42	-7.67	11.60	<=34.77	Pass
		50	0	21.55	-7.67	11.73	<=34.77	Pass
	710	1	0	22.91	-7.67	13.09	<=34.77	Pass
			25	22.72	-7.67	12.90	<=34.77	Pass
			49	22.96	-7.67	13.14	<=34.77	Pass
		25	0	21.45	-7.67	11.63	<=34.77	Pass
			13	21.51	-7.67	11.69	<=34.77	Pass
			25	21.47	-7.67	11.65	<=34.77	Pass
		50	0	21.45	-7.67	11.63	<=34.77	Pass
	711	1	0	22.74	-7.67	12.92	<=34.77	Pass
			25	22.74	-7.67	12.92	<=34.77	Pass
			49	22.80	-7.67	12.98	<=34.77	Pass
		25	0	21.52	-7.67	11.70	<=34.77	Pass
			13	21.51	-7.67	11.69	<=34.77	Pass
			25	21.51	-7.67	11.69	<=34.77	Pass
		50	0	21.47	-7.67	11.65	<=34.77	Pass
64QAM	709	1	0	22.74	-7.67	12.92	<=34.77	Pass
			25	22.66	-7.67	12.84	<=34.77	Pass
			49	22.46	-7.67	12.64	<=34.77	Pass
		25	0	21.45	-7.67	11.63	<=34.77	Pass
			13	21.51	-7.67	11.69	<=34.77	Pass
			25	21.45	-7.67	11.63	<=34.77	Pass
		50	0	21.44	-7.67	11.62	<=34.77	Pass
	710	1	0	22.56	-7.67	12.74	<=34.77	Pass
			25	22.47	-7.67	12.65	<=34.77	Pass
			49	22.43	-7.67	12.61	<=34.77	Pass
		25	0	21.44	-7.67	11.62	<=34.77	Pass
			13	21.50	-7.67	11.68	<=34.77	Pass
			25	21.55	-7.67	11.73	<=34.77	Pass
		50	0	21.37	-7.67	11.55	<=34.77	Pass
	711	1	0	22.56	-7.67	12.74	<=34.77	Pass
			25	22.55	-7.67	12.73	<=34.77	Pass
			49	22.50	-7.67	12.68	<=34.77	Pass
		25	0	21.47	-7.67	11.65	<=34.77	Pass
			13	21.48	-7.67	11.66	<=34.77	Pass
			25	21.51	-7.67	11.69	<=34.77	Pass
		50	0	21.40	-7.67	11.58	<=34.77	Pass
256QAM	709	1	0	18.51	-7.67	8.69	<=34.77	Pass
			25	18.52	-7.67	8.70	<=34.77	Pass
			49	18.52	-7.67	8.70	<=34.77	Pass
		25	0	18.35	-7.67	8.53	<=34.77	Pass
			13	18.55	-7.67	8.73	<=34.77	Pass
			25	18.48	-7.67	8.66	<=34.77	Pass
		50	0	18.48	-7.67	8.66	<=34.77	Pass
	710	1	0	18.49	-7.67	8.67	<=34.77	Pass
			25	18.59	-7.67	8.77	<=34.77	Pass

			49	18.53	-7.67	8.71	<=34.77	Pass
		25	0	18.47	-7.67	8.65	<=34.77	Pass
			13	18.56	-7.67	8.74	<=34.77	Pass
			25	18.46	-7.67	8.64	<=34.77	Pass
		50	0	18.42	-7.67	8.60	<=34.77	Pass
	711	1	0	18.46	-7.67	8.64	<=34.77	Pass
			25	18.59	-7.67	8.77	<=34.77	Pass
			49	18.57	-7.67	8.75	<=34.77	Pass
		25	0	18.38	-7.67	8.56	<=34.77	Pass
			13	18.46	-7.67	8.64	<=34.77	Pass
			25	18.49	-7.67	8.67	<=34.77	Pass
		50	0	18.51	-7.67	8.69	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

2. Frequency Stability

2.1 B17_10MHz

2.1.1 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	3.6	0.000	0.0000	/	Pass
					3.86	0.000	0.0000	/	Pass
					4.3	-1.200	-0.0017	/	Pass
				-30	3.86	-1.200	-0.0017	/	Pass
				-20	3.86	-0.400	-0.0006	/	Pass
				-10	3.86	1.200	0.0017	/	Pass
				0	3.86	0.200	0.0003	/	Pass
				10	3.86	-0.500	-0.0007	/	Pass
				30	3.86	0.200	0.0003	/	Pass
				40	3.86	-1.200	-0.0017	/	Pass
				50	3.86	-0.700	-0.0010	/	Pass
	710	50	0	20	3.6	-0.600	-0.0008	/	Pass
					3.86	0.900	0.0013	/	Pass
					4.3	-1.700	-0.0024	/	Pass
				-30	3.86	0.900	0.0013	/	Pass
				-20	3.86	-1.300	-0.0018	/	Pass
				-10	3.86	-0.500	-0.0007	/	Pass
				0	3.86	1.300	0.0018	/	Pass
				10	3.86	0.200	0.0003	/	Pass
				30	3.86	0.800	0.0011	/	Pass
				40	3.86	0.400	0.0006	/	Pass
				50	3.86	0.000	0.0000	/	Pass
	711	50	0	20	3.6	2.600	0.0037	/	Pass
					3.86	0.800	0.0011	/	Pass
					4.3	-0.700	-0.0010	/	Pass
				-30	3.86	-1.500	-0.0021	/	Pass
				-20	3.86	0.300	0.0004	/	Pass
				-10	3.86	-1.700	-0.0024	/	Pass
				0	3.86	-1.900	-0.0027	/	Pass
				10	3.86	-2.500	-0.0035	/	Pass
				30	3.86	-1.300	-0.0018	/	Pass
				40	3.86	-1.300	-0.0018	/	Pass
				50	3.86	0.200	0.0003	/	Pass

3. 99% & 26dB Bandwidth

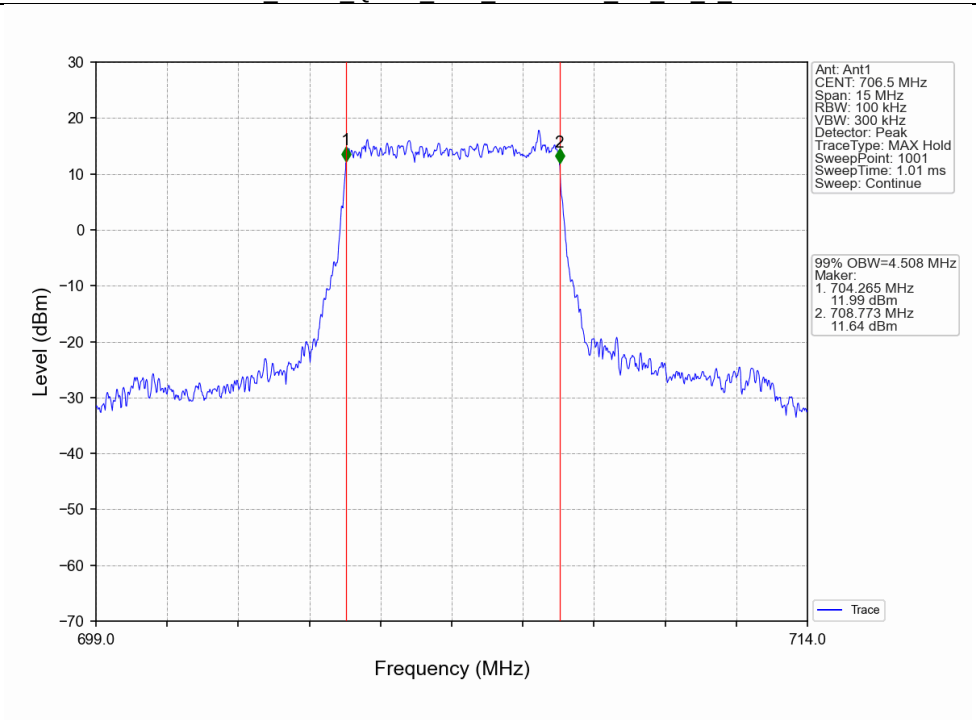
3.1 Band17_OBW

3.1.1 Test Result

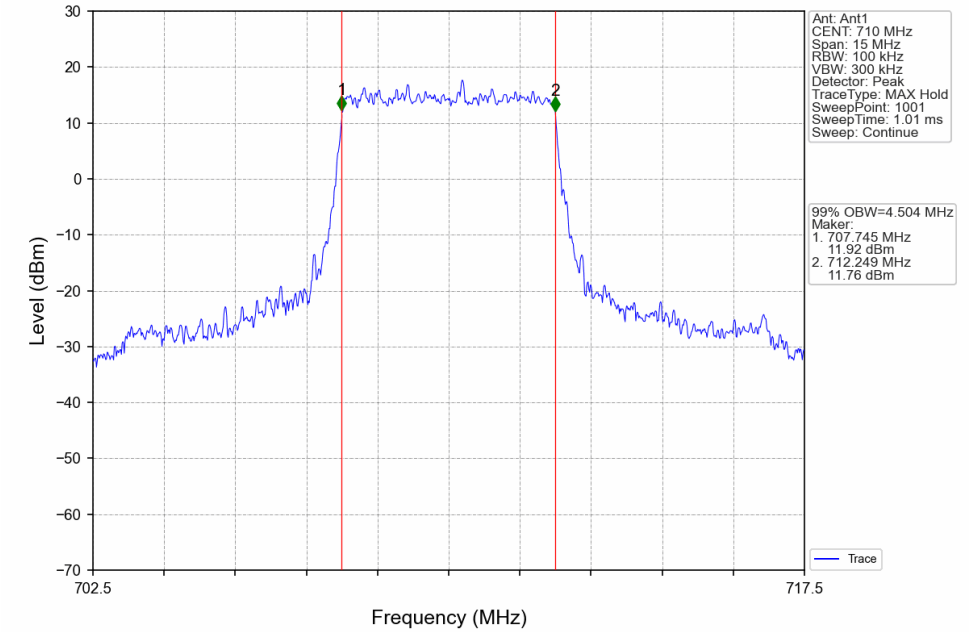
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.508	/	Pass
		710	25	0	4.504	/	Pass
		713.5	25	0	4.517	/	Pass
	16QAM	706.5	25	0	4.518	/	Pass
		710	25	0	4.537	/	Pass
		713.5	25	0	4.523	/	Pass
	64QAM	706.5	25	0	4.514	/	Pass
		710	25	0	4.501	/	Pass
		713.5	25	0	4.510	/	Pass
	256QAM	706.5	25	0	4.502	/	Pass
		710	25	0	4.512	/	Pass
		713.5	25	0	4.519	/	Pass
10	QPSK	709	50	0	8.985	/	Pass
		710	50	0	8.963	/	Pass
		711	50	0	9.013	/	Pass
	16QAM	709	50	0	8.996	/	Pass
		710	50	0	9.026	/	Pass
		711	50	0	9.017	/	Pass
	64QAM	709	50	0	8.996	/	Pass
		710	50	0	9.002	/	Pass
		711	50	0	8.999	/	Pass
	256QAM	709	50	0	9.029	/	Pass
		710	50	0	8.959	/	Pass
		711	50	0	9.028	/	Pass

3.1.2 Test Graph

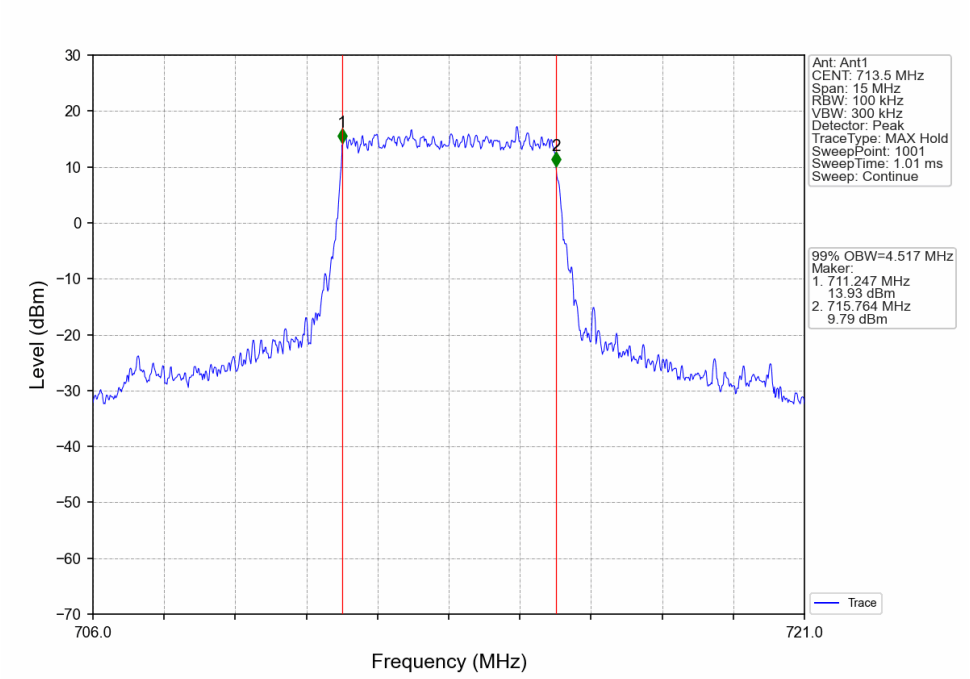
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



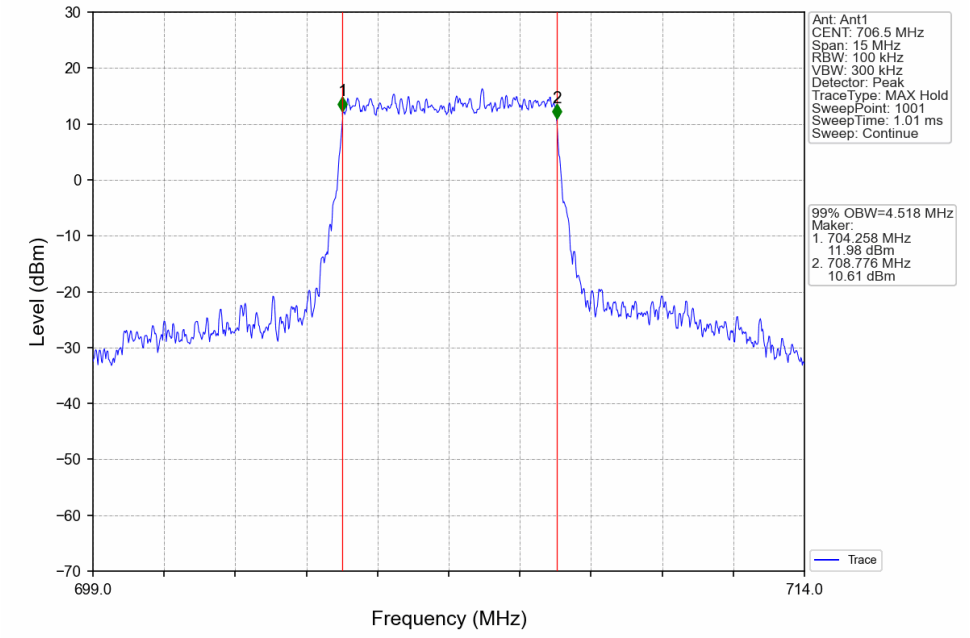
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



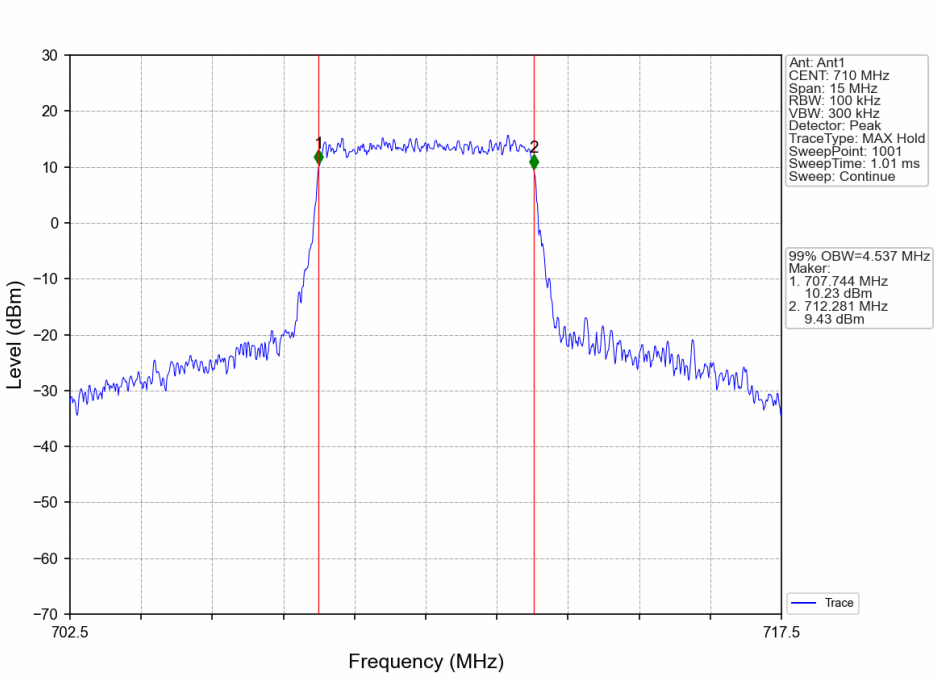
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



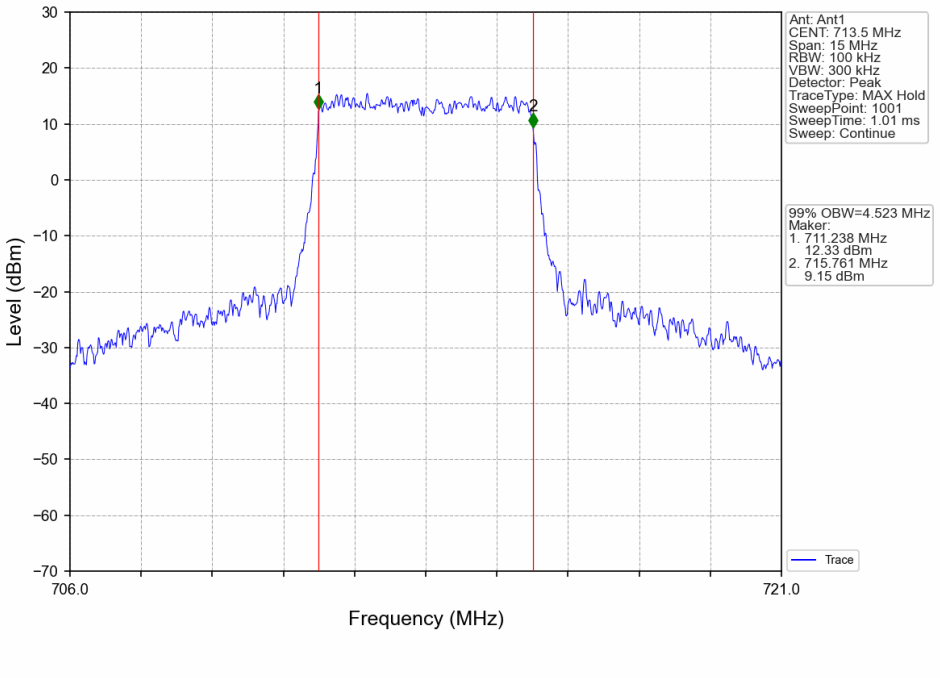
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



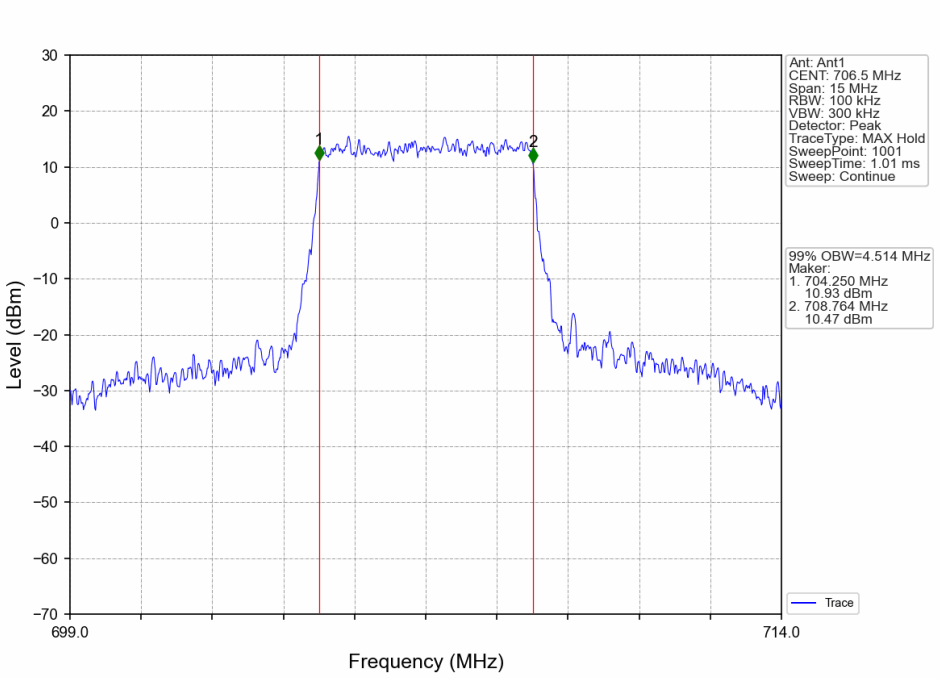
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



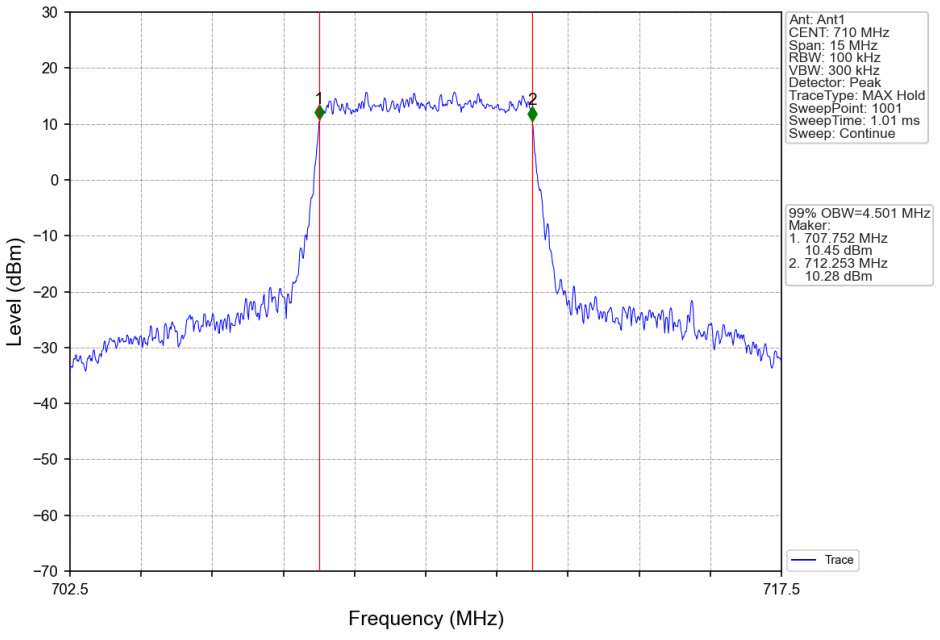
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



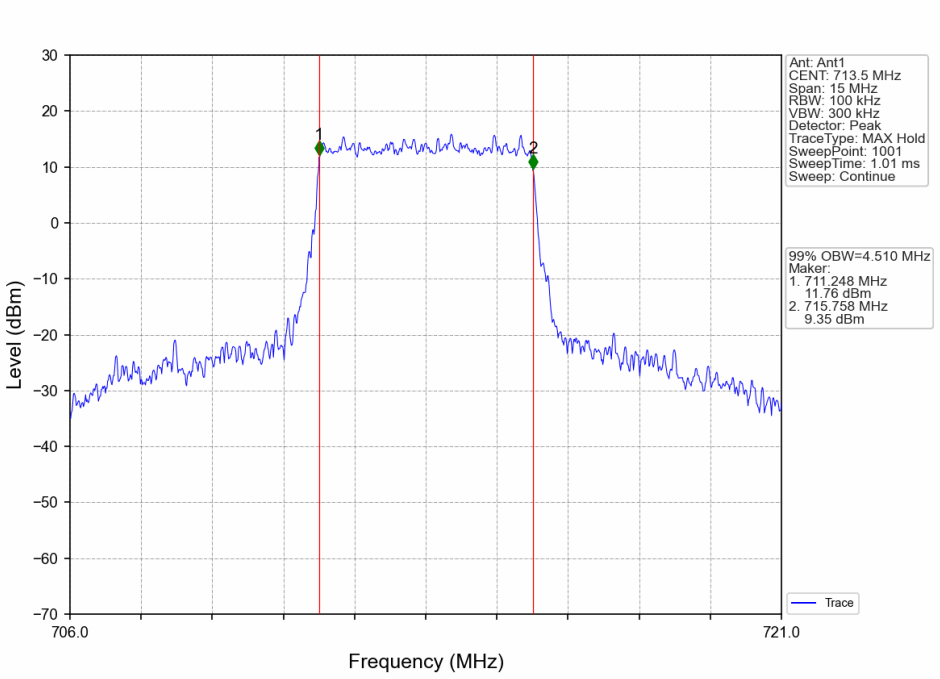
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



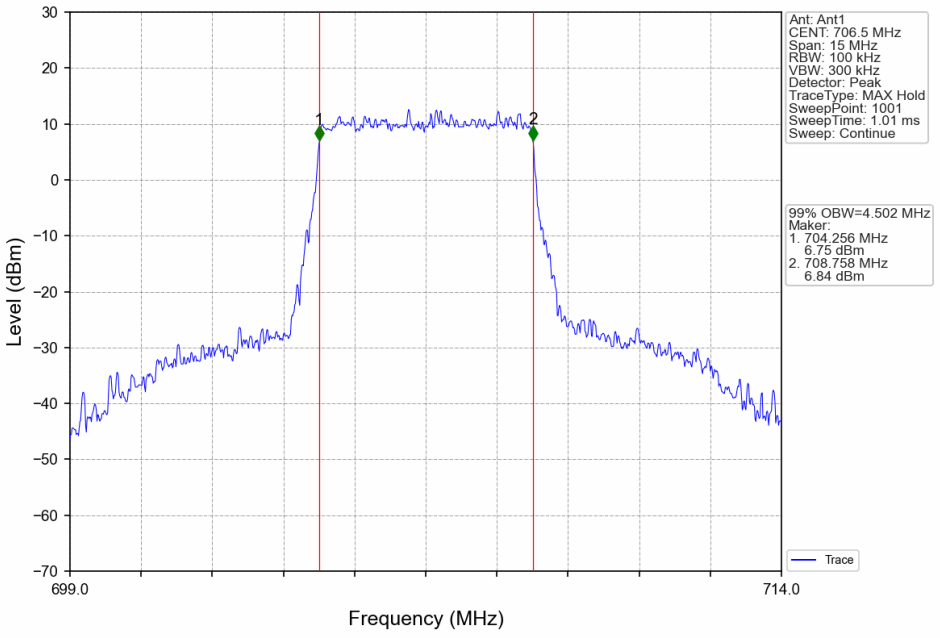
Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



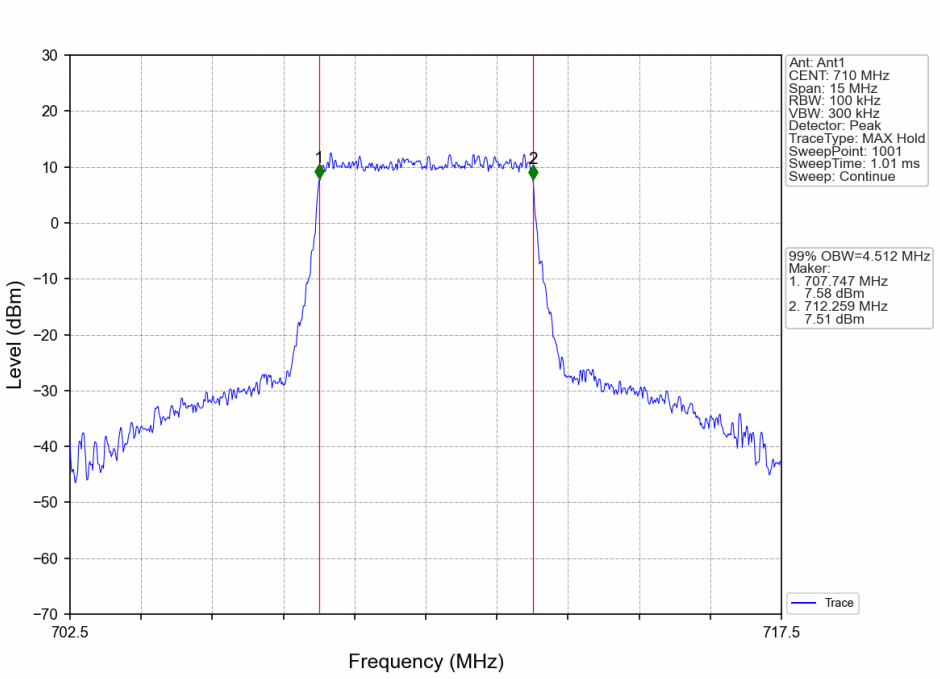
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



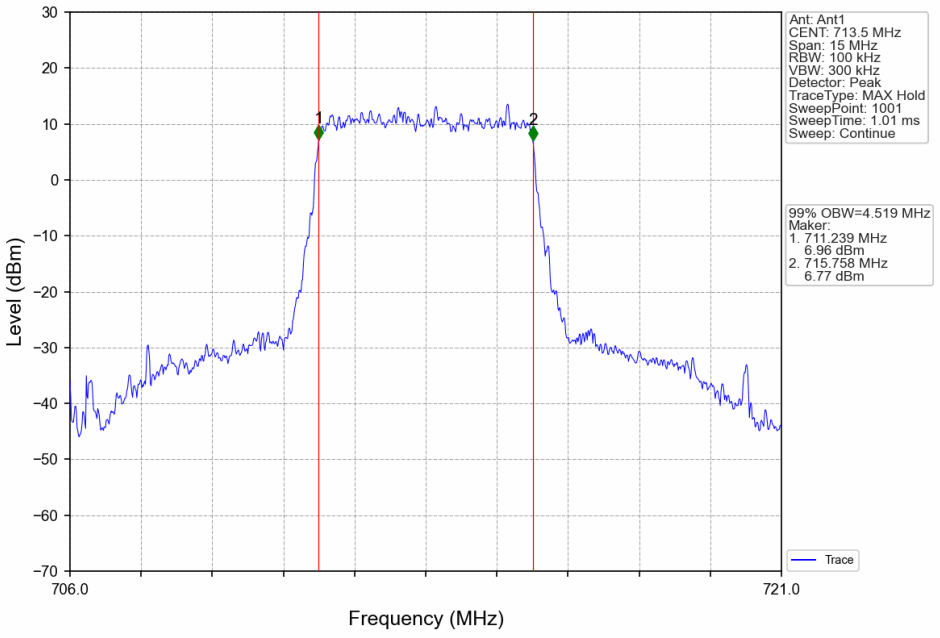
Band17_5MHz_256QAM_LCH_706.5MHz_RB_25_0_NTNV



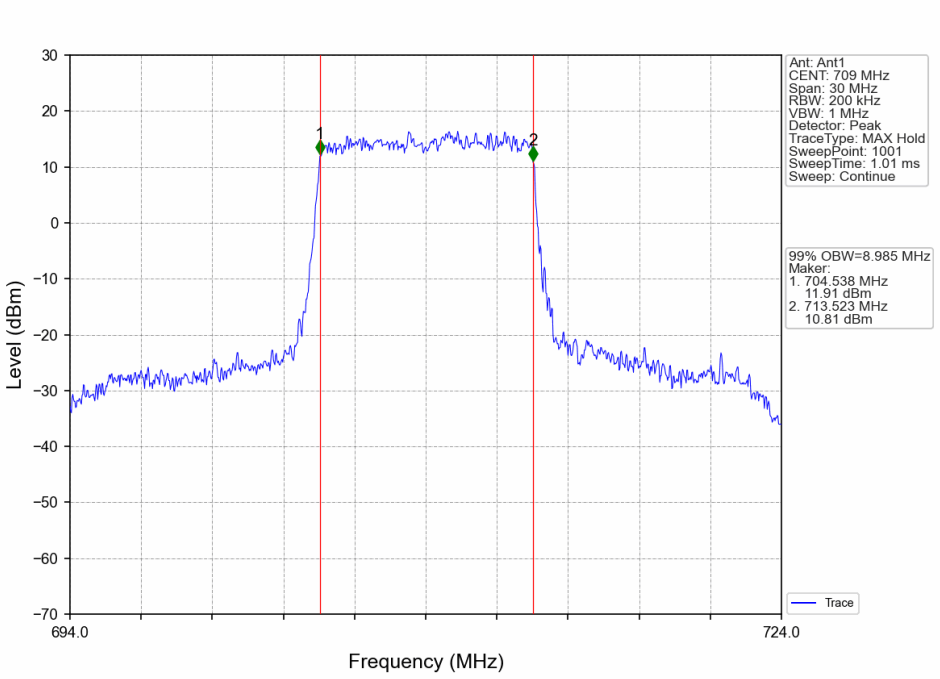
Band17_5MHz_256QAM_MCH_710MHz_RB_25_0_NTNV



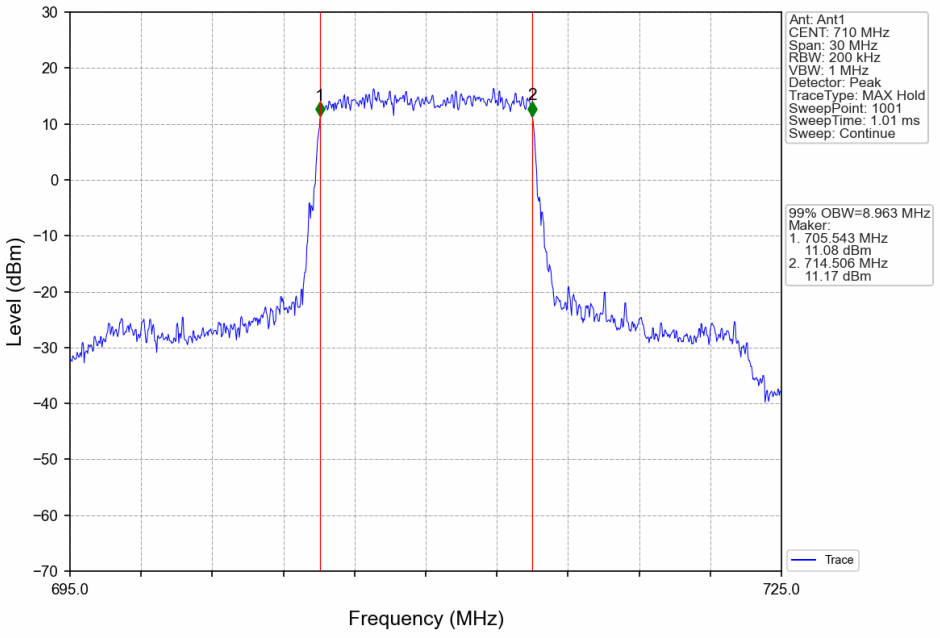
Band17_5MHz_256QAM_HCH_713.5MHz_RB_25_0_NTNV



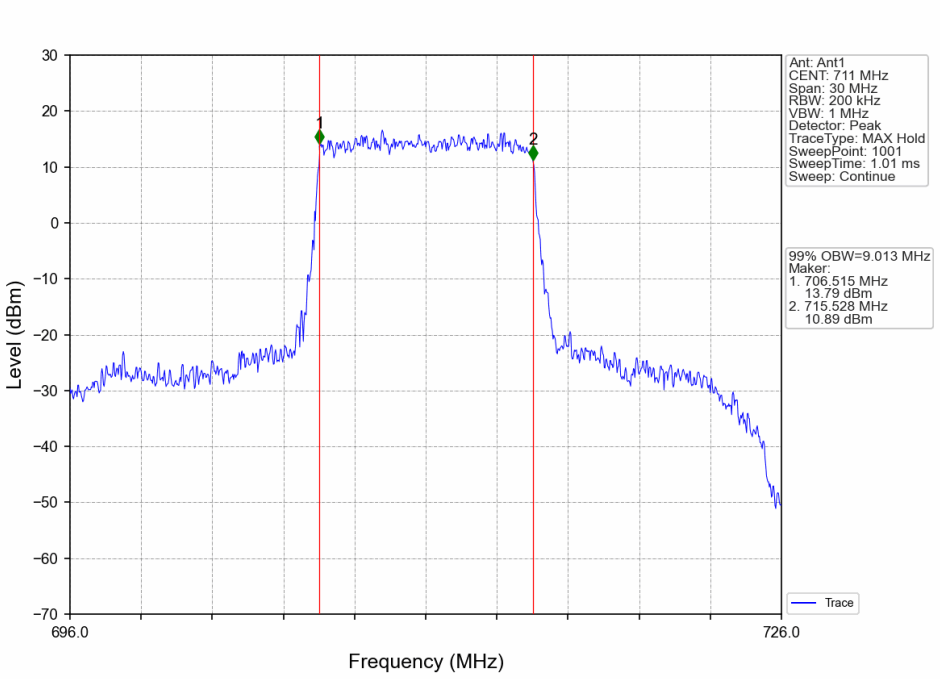
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



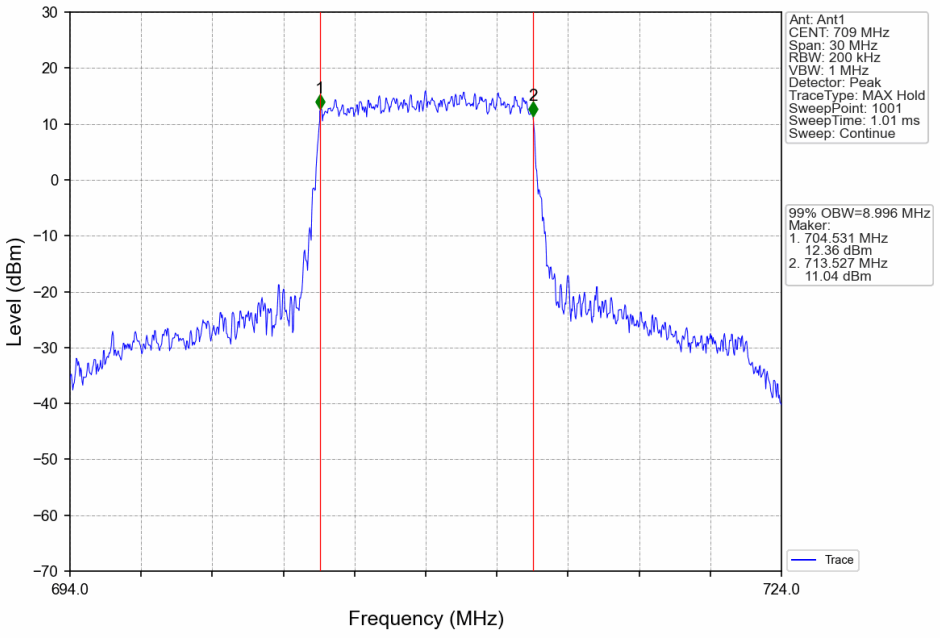
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



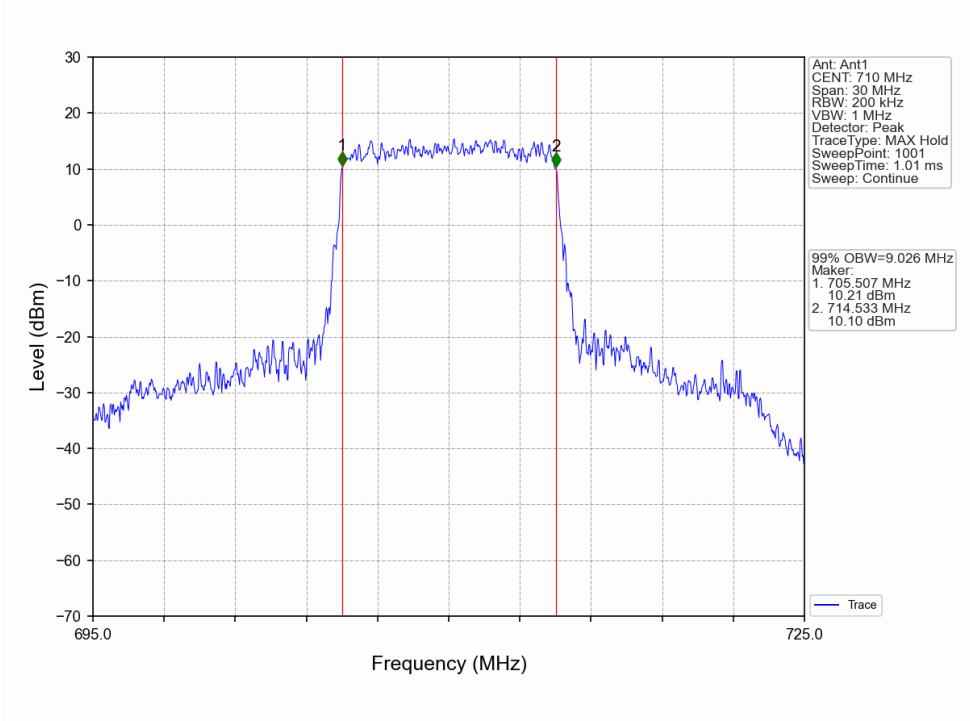
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



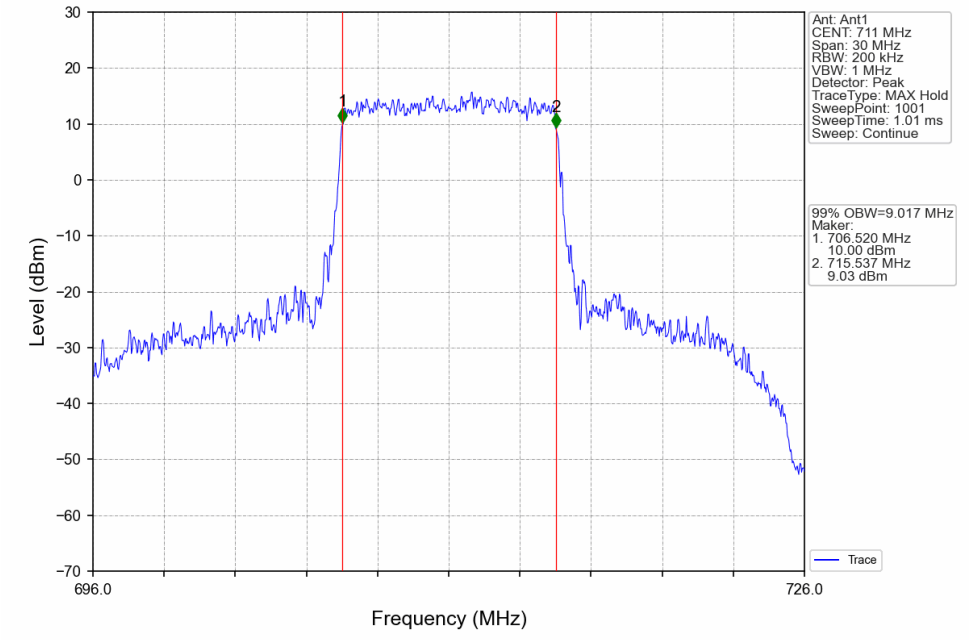
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



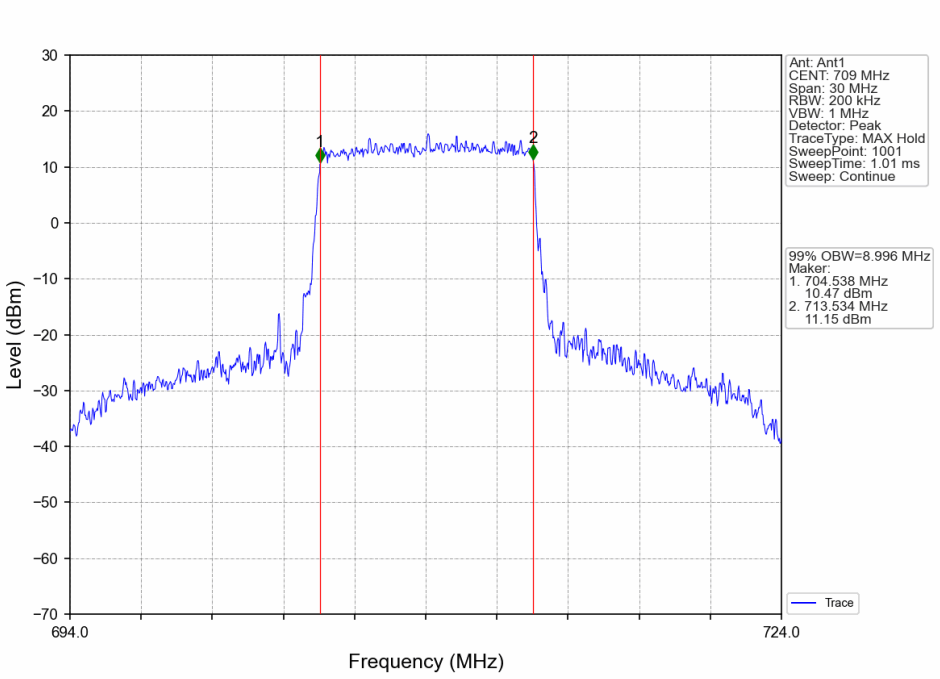
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



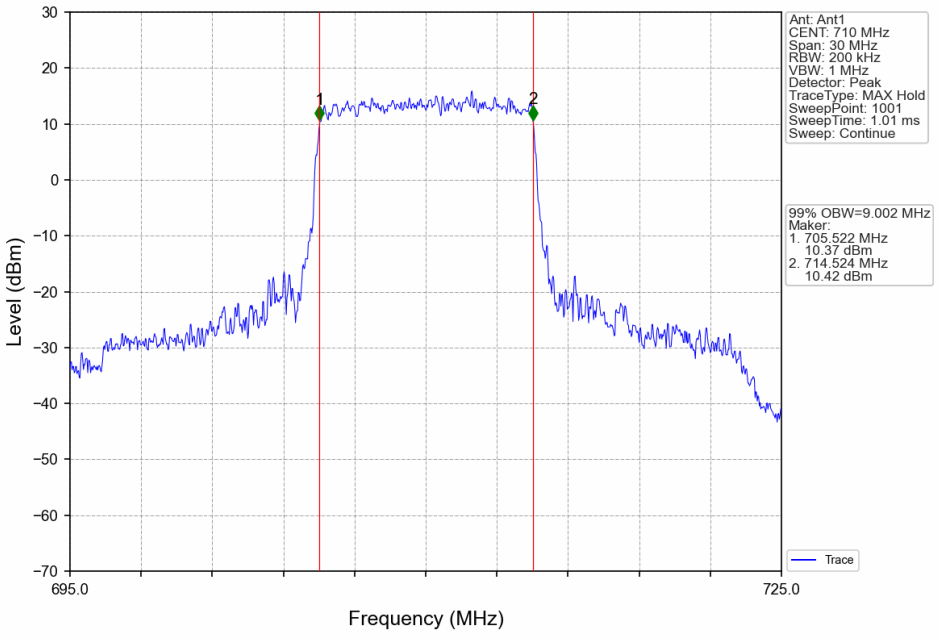
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



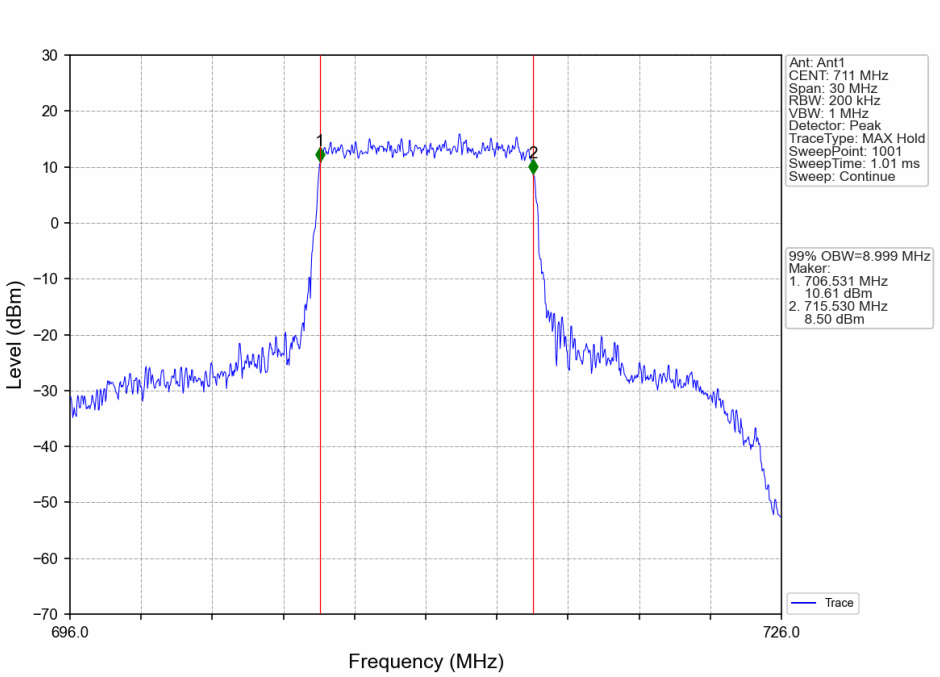
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



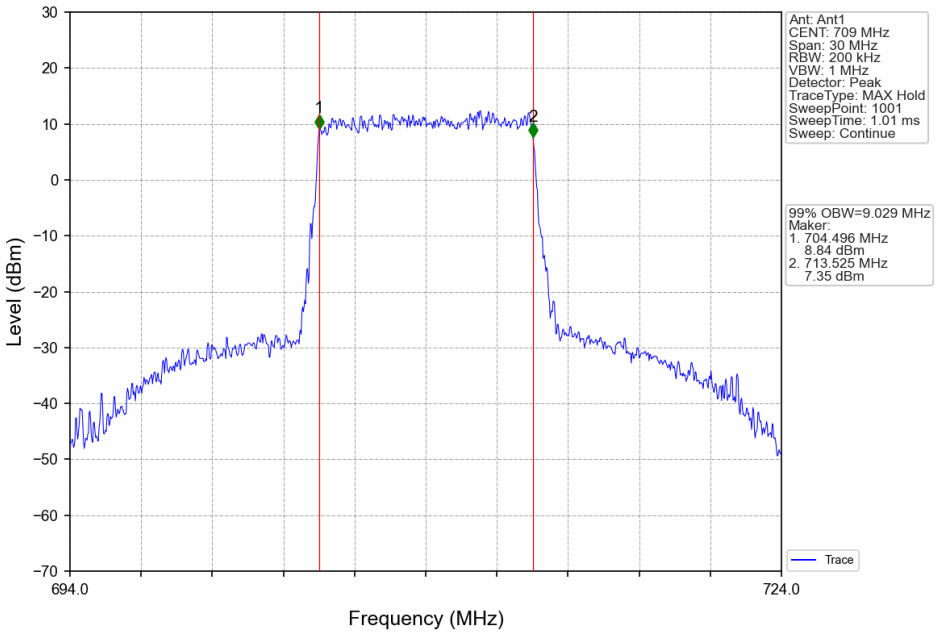
Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



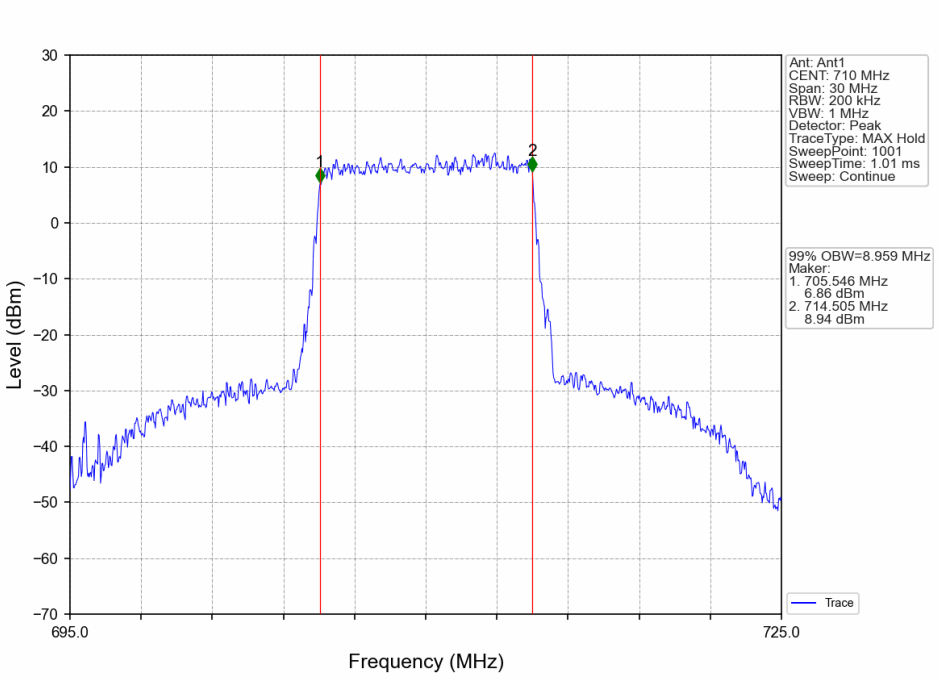
Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



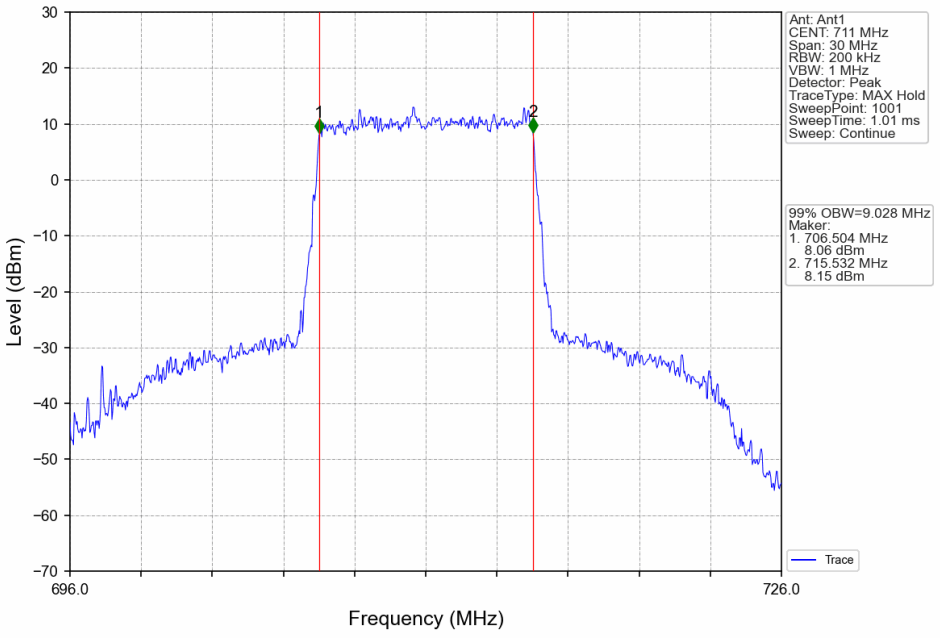
Band17_10MHz_256QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_256QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV



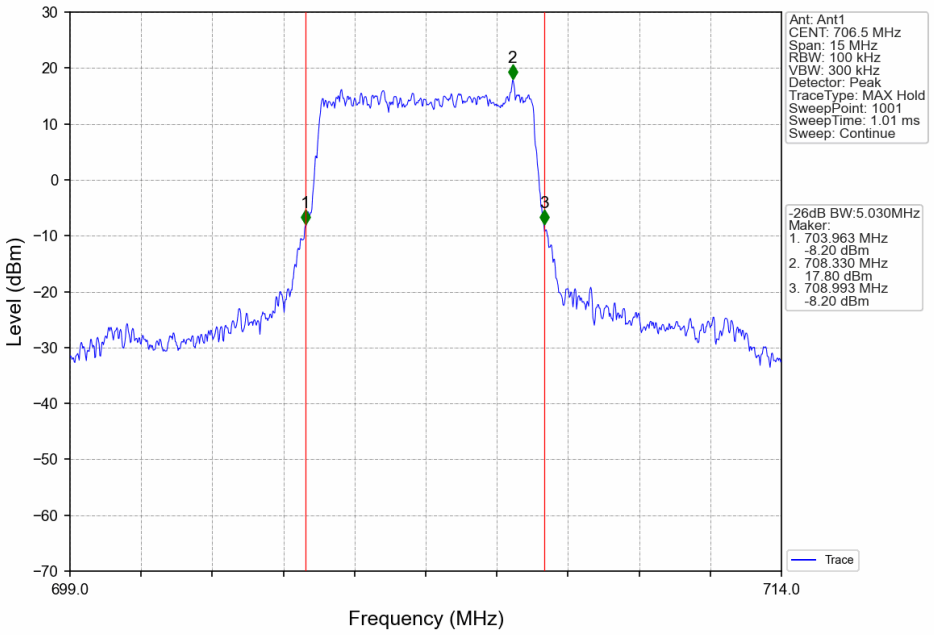
3.2 Band17_XDB

3.2.1 Test Result

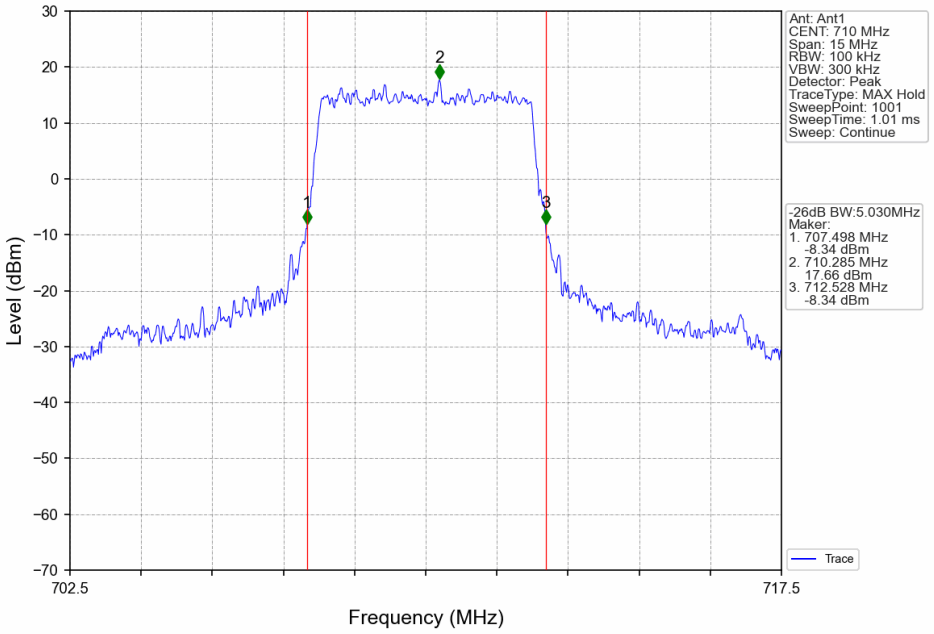
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.030	/	Pass
		710	25	0	5.030	/	Pass
		713.5	25	0	5.107	/	Pass
	16QAM	706.5	25	0	5.076	/	Pass
		710	25	0	5.190	/	Pass
		713.5	25	0	5.089	/	Pass
	64QAM	706.5	25	0	5.178	/	Pass
		710	25	0	5.153	/	Pass
		713.5	25	0	5.095	/	Pass
	256QAM	706.5	25	0	5.183	/	Pass
		710	25	0	5.087	/	Pass
		713.5	25	0	5.149	/	Pass
10	QPSK	709	50	0	9.965	/	Pass
		710	50	0	9.963	/	Pass
		711	50	0	9.959	/	Pass
	16QAM	709	50	0	9.978	/	Pass
		710	50	0	9.999	/	Pass
		711	50	0	9.775	/	Pass
	64QAM	709	50	0	9.749	/	Pass
		710	50	0	9.791	/	Pass
		711	50	0	9.906	/	Pass
	256QAM	709	50	0	9.921	/	Pass
		710	50	0	9.833	/	Pass
		711	50	0	9.859	/	Pass

3.2.2 Test Graph

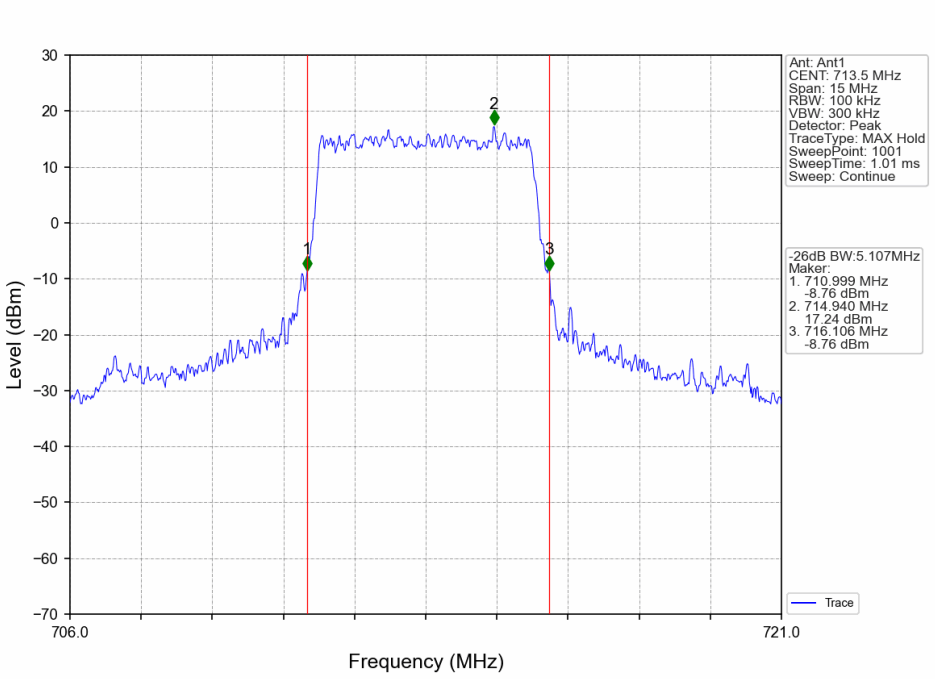
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



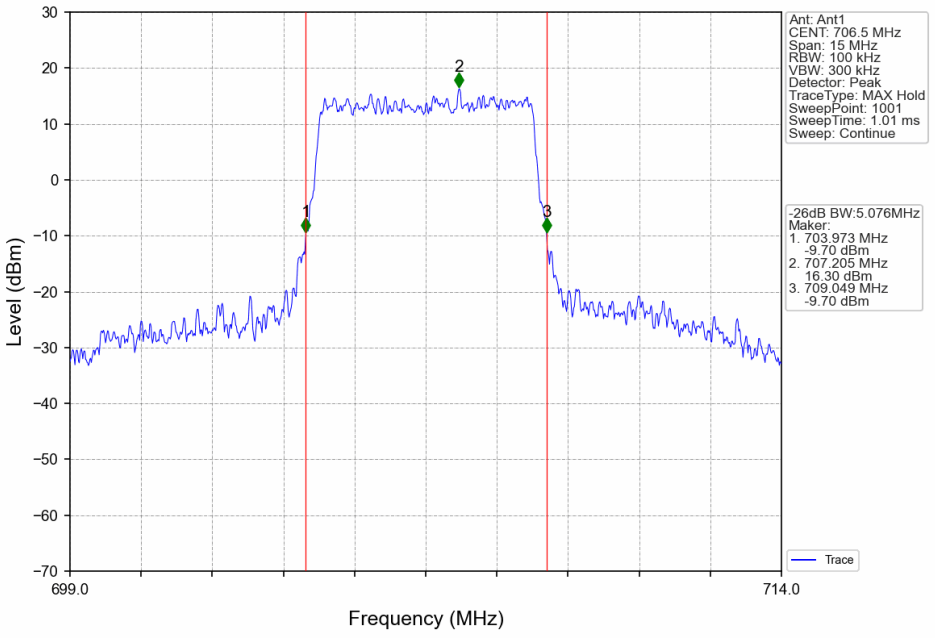
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



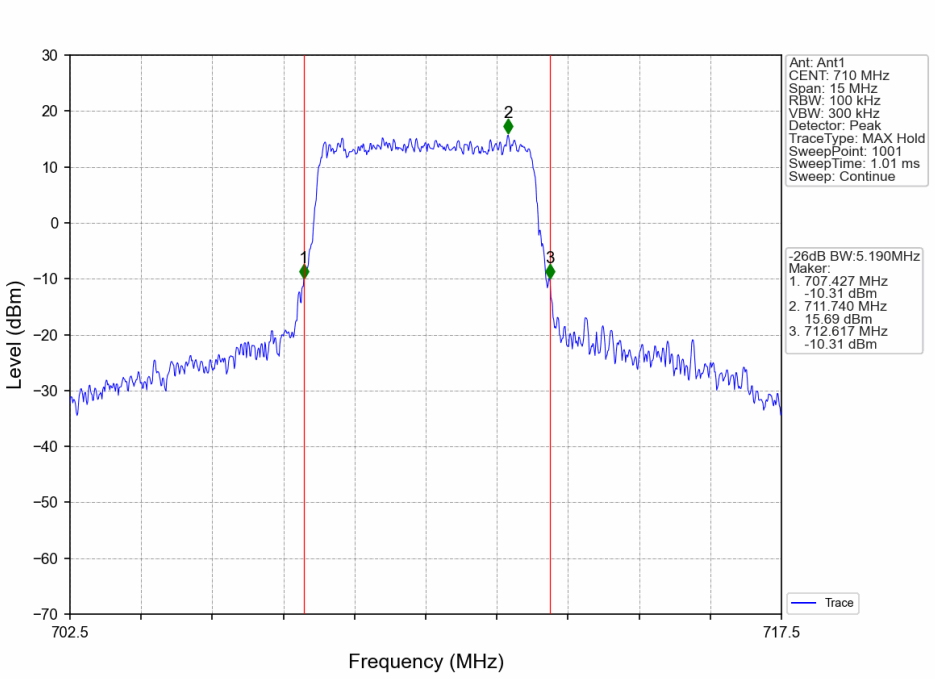
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



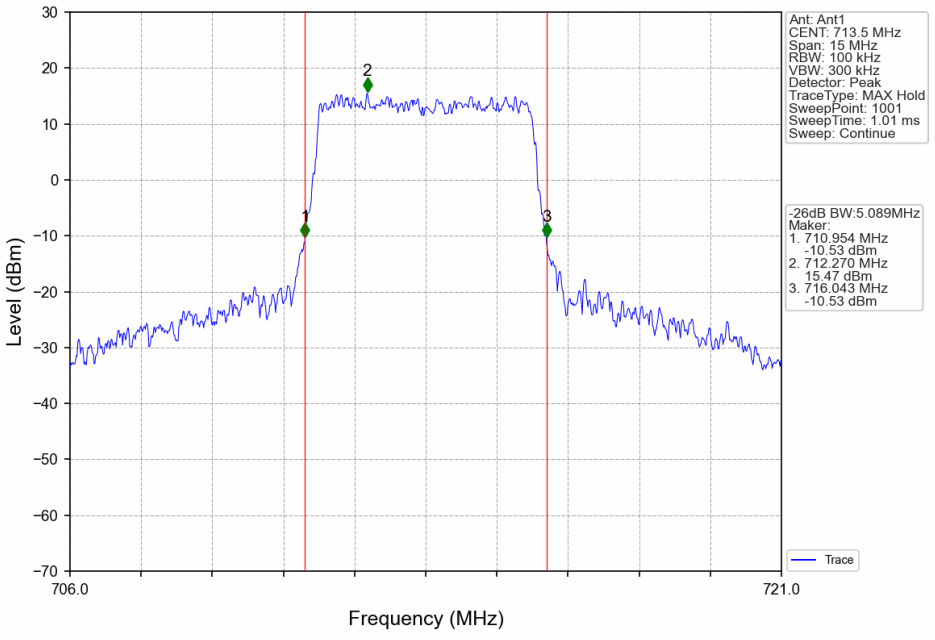
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



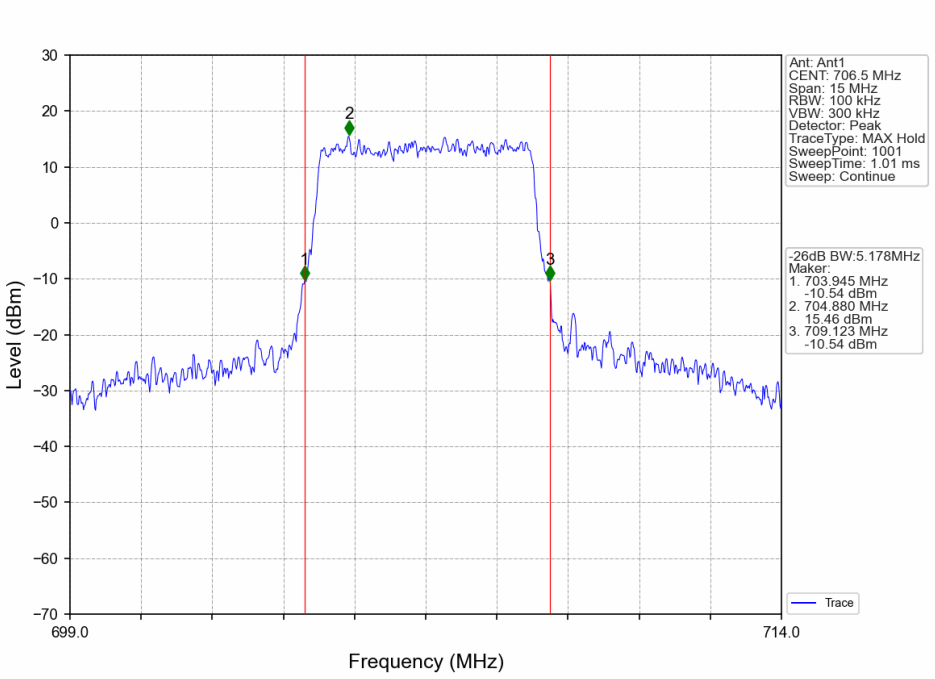
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



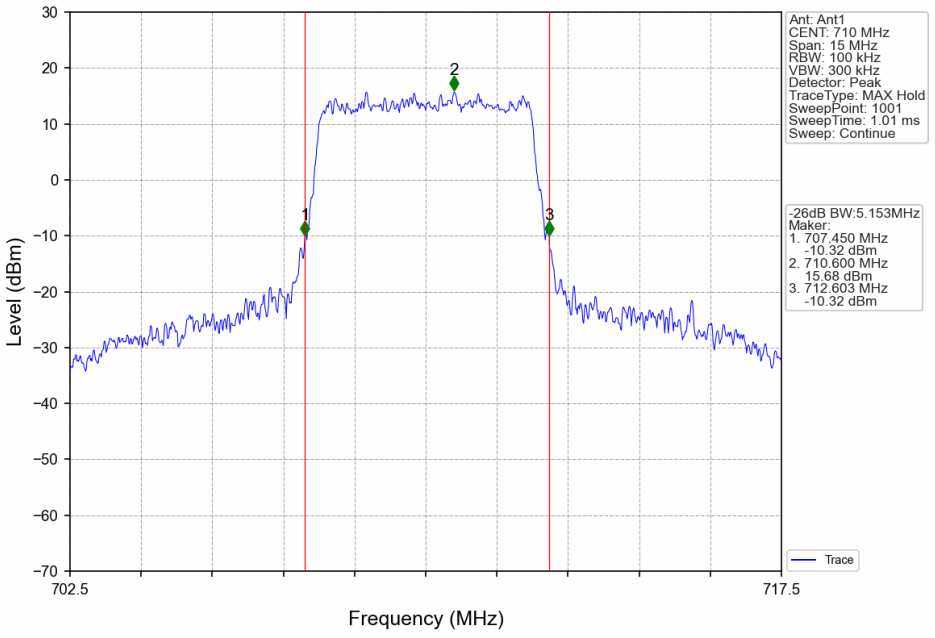
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



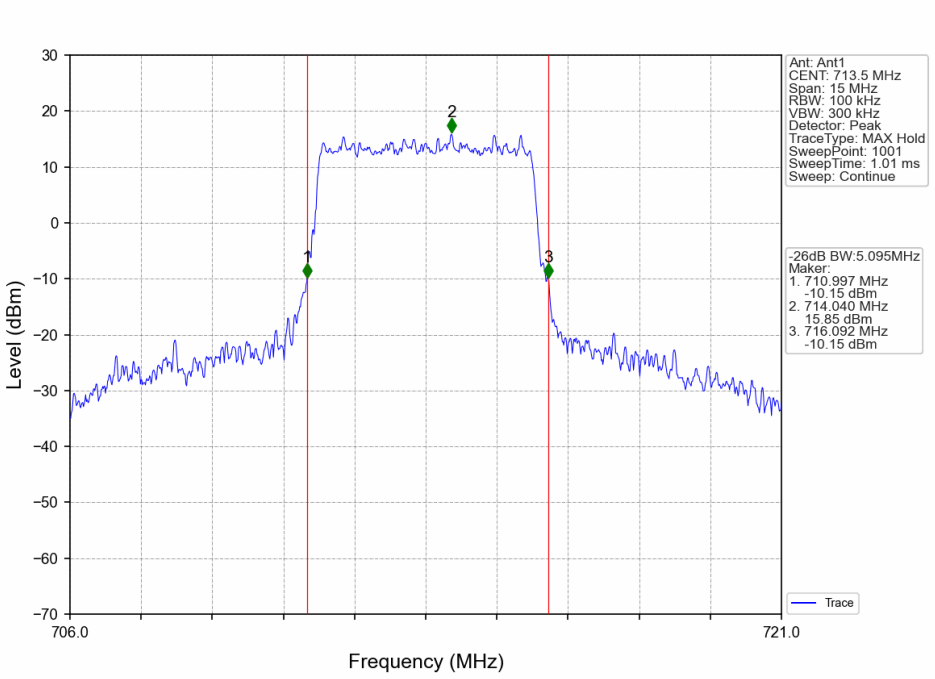
Band17_5MHz_64QAM_LCH_706.5MHz_RB_25_0_NTNV



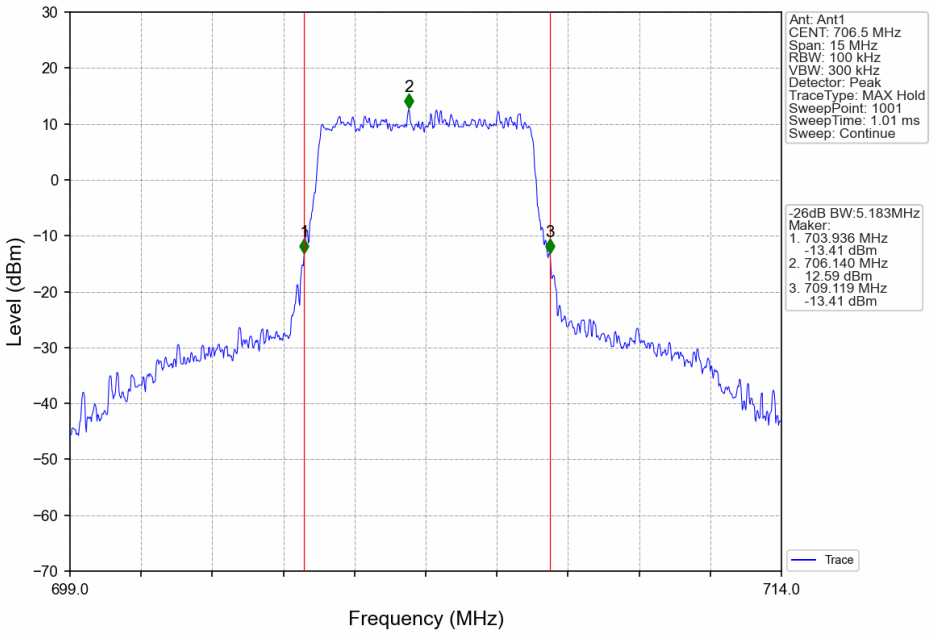
Band17_5MHz_64QAM_MCH_710MHz_RB_25_0_NTNV



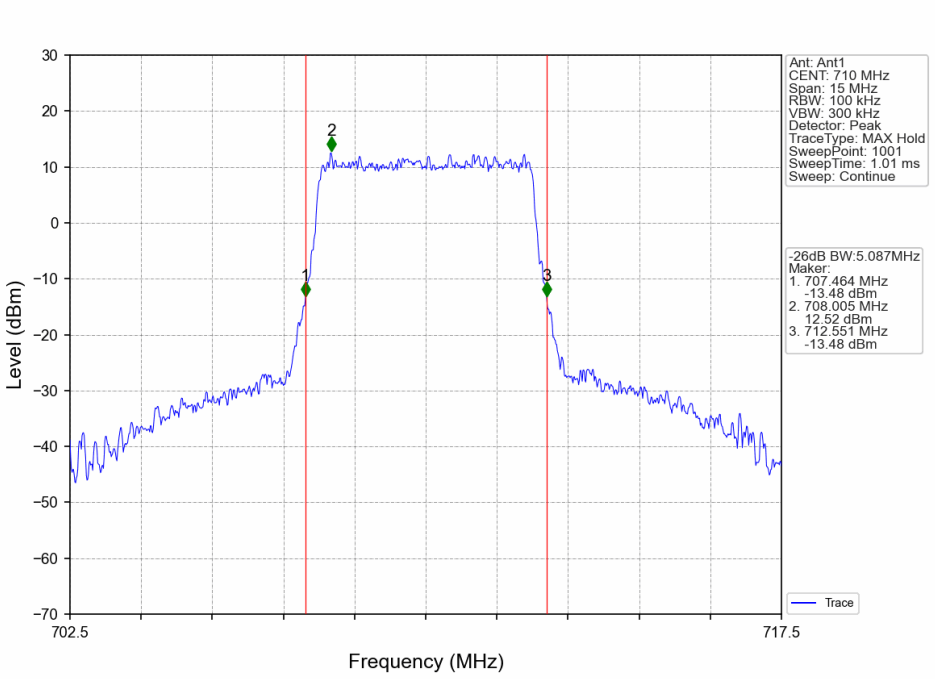
Band17_5MHz_64QAM_HCH_713.5MHz_RB_25_0_NTNV



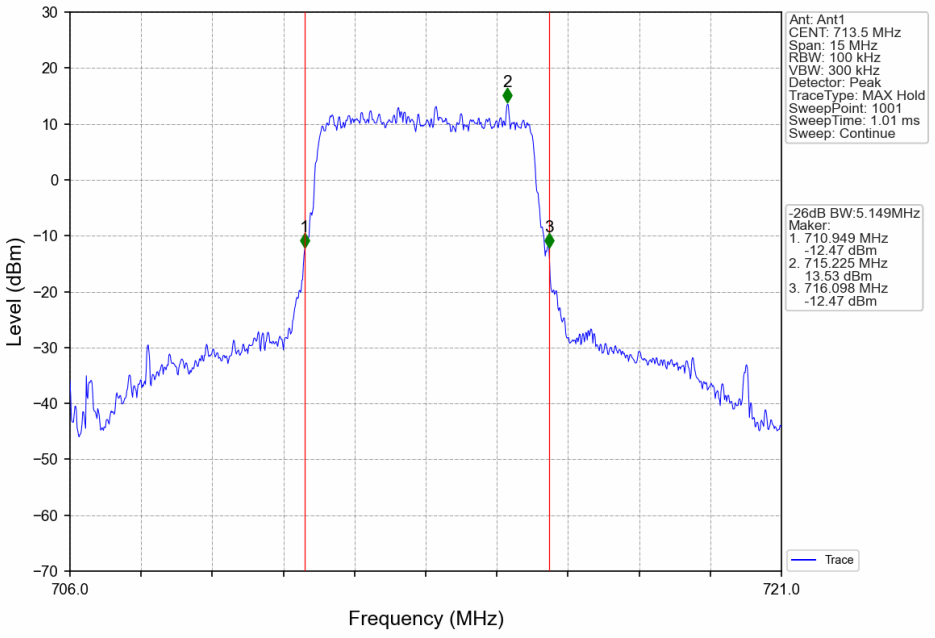
Band17_5MHz_256QAM_LCH_706.5MHz_RB_25_0_NTNV



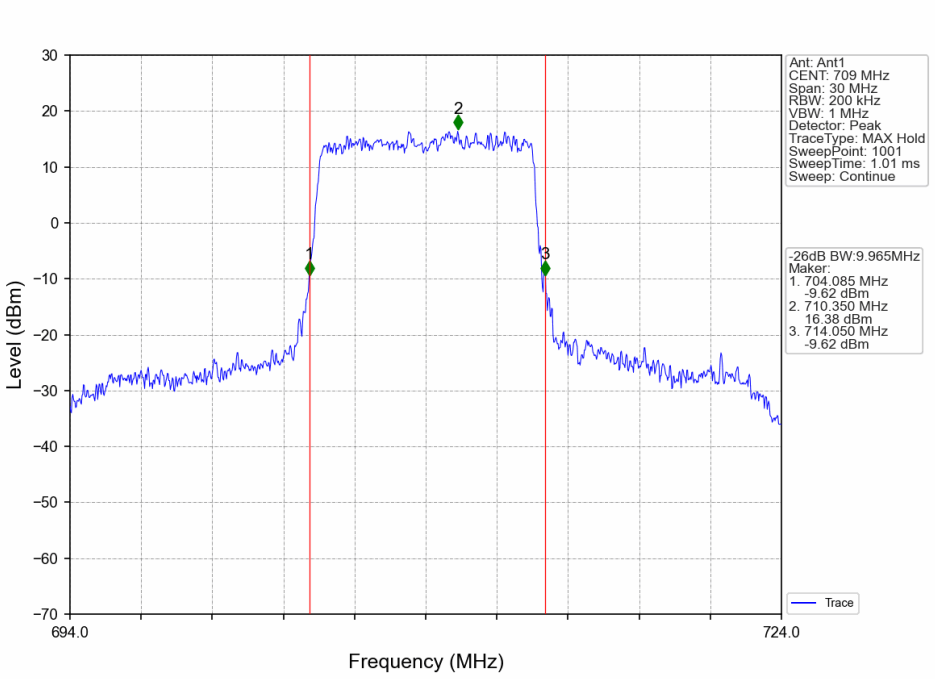
Band17_5MHz_256QAM_MCH_710MHz_RB_25_0_NTNV



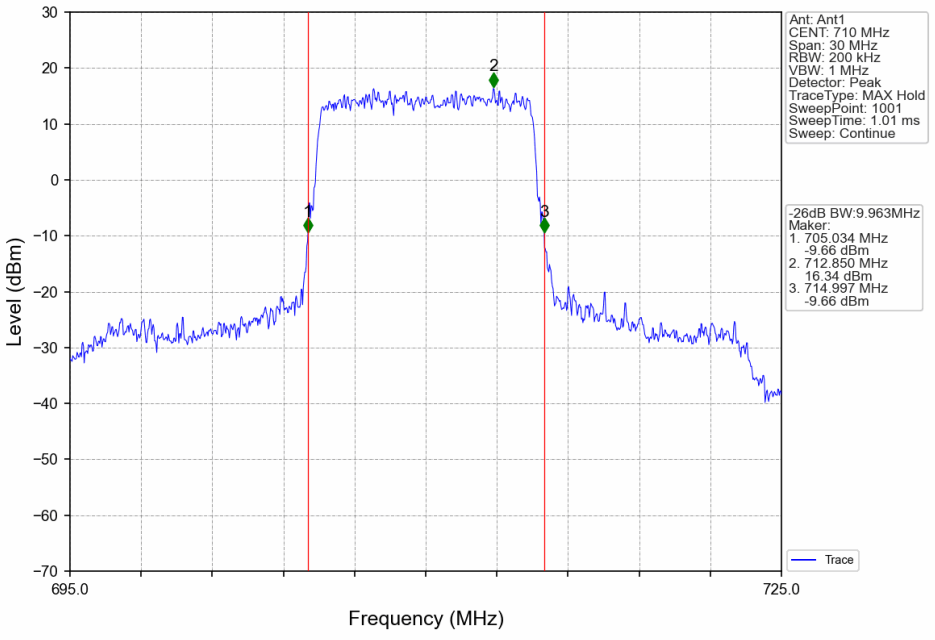
Band17_5MHz_256QAM_HCH_713.5MHz_RB_25_0_NTNV



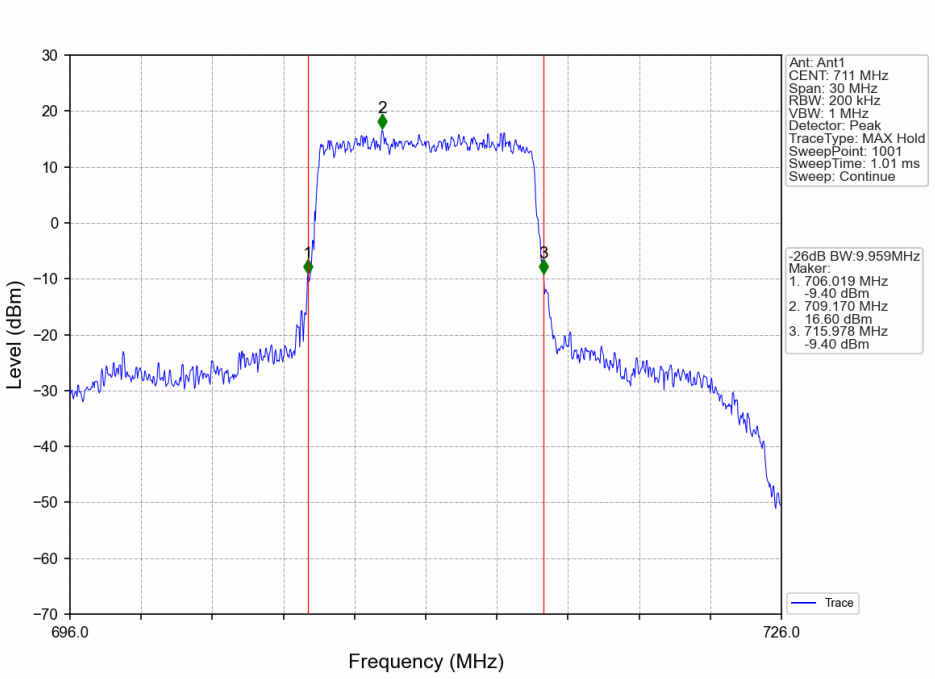
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



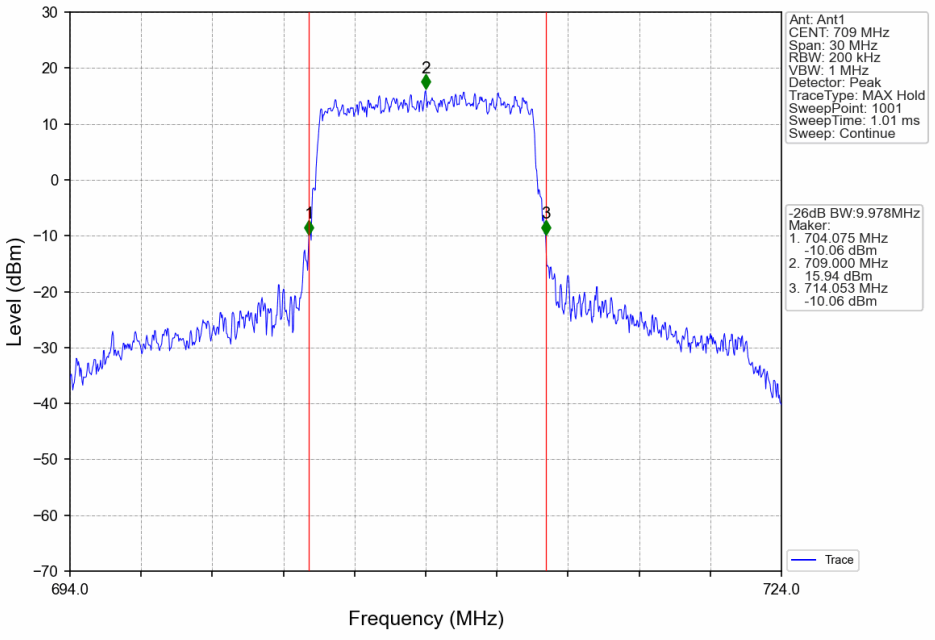
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



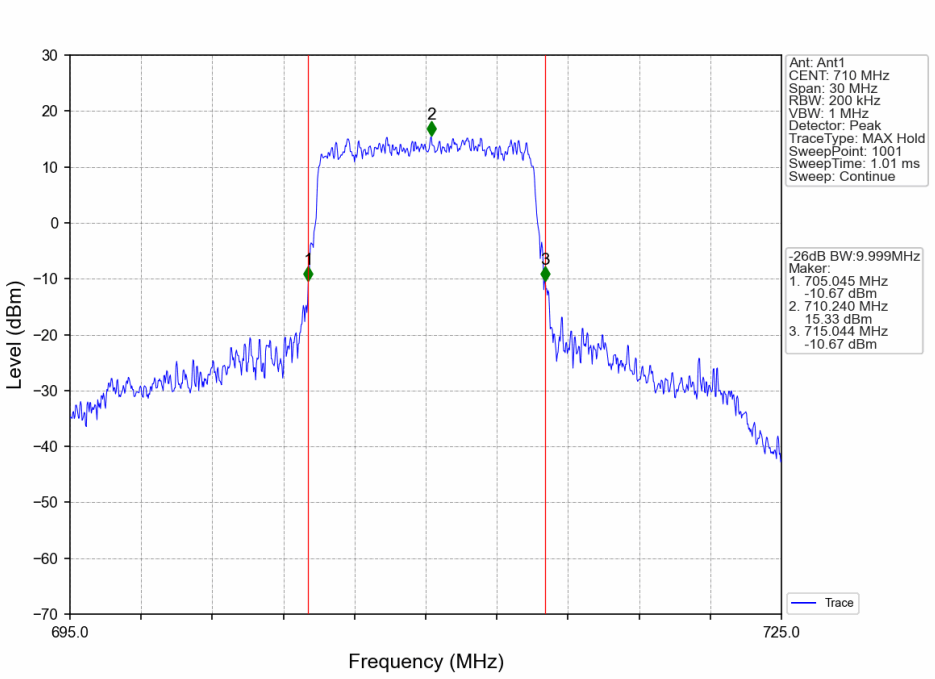
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



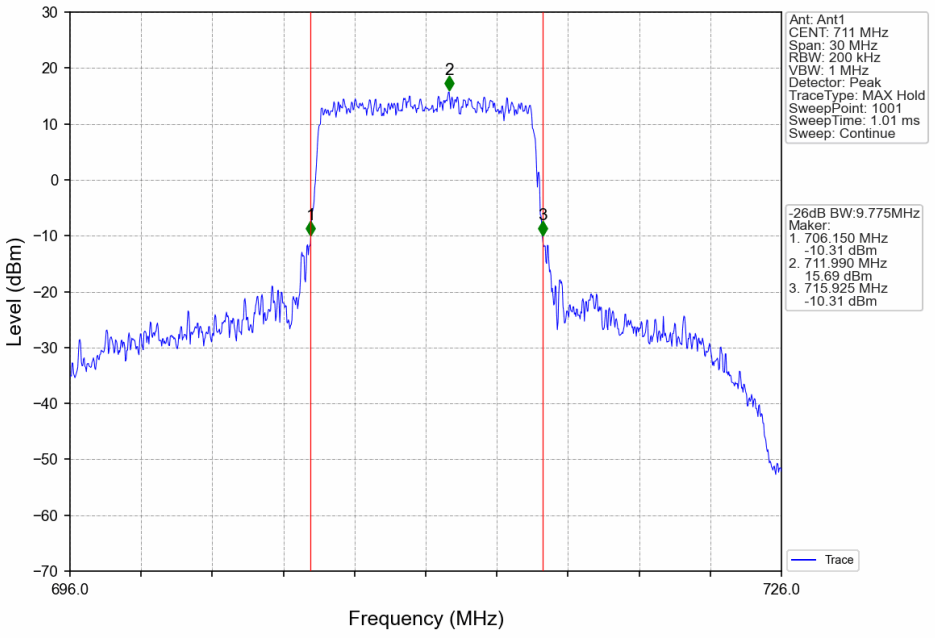
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



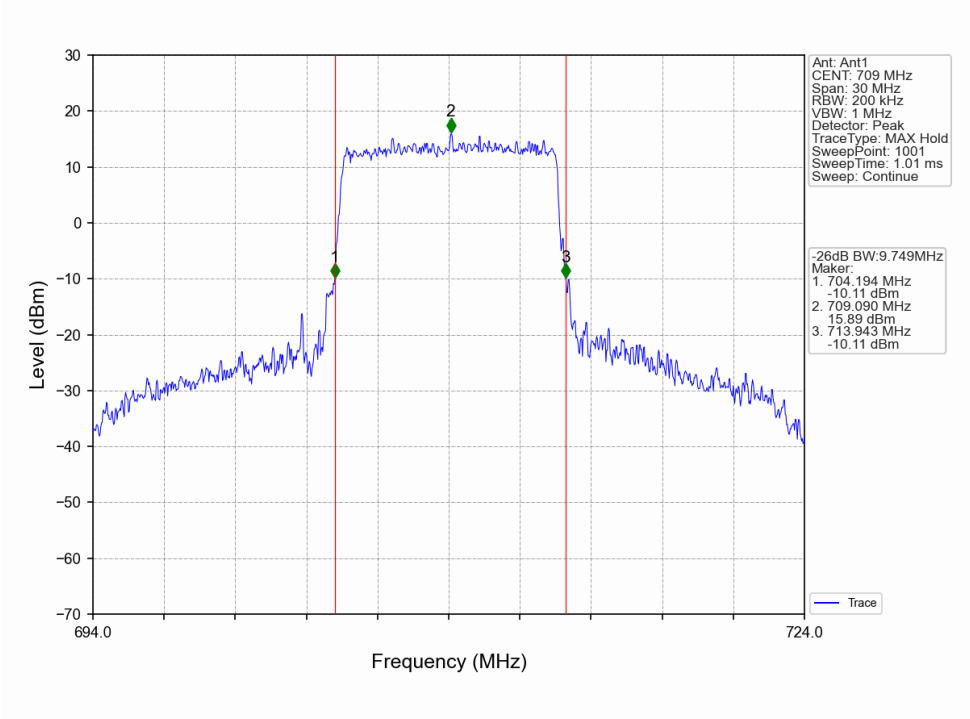
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



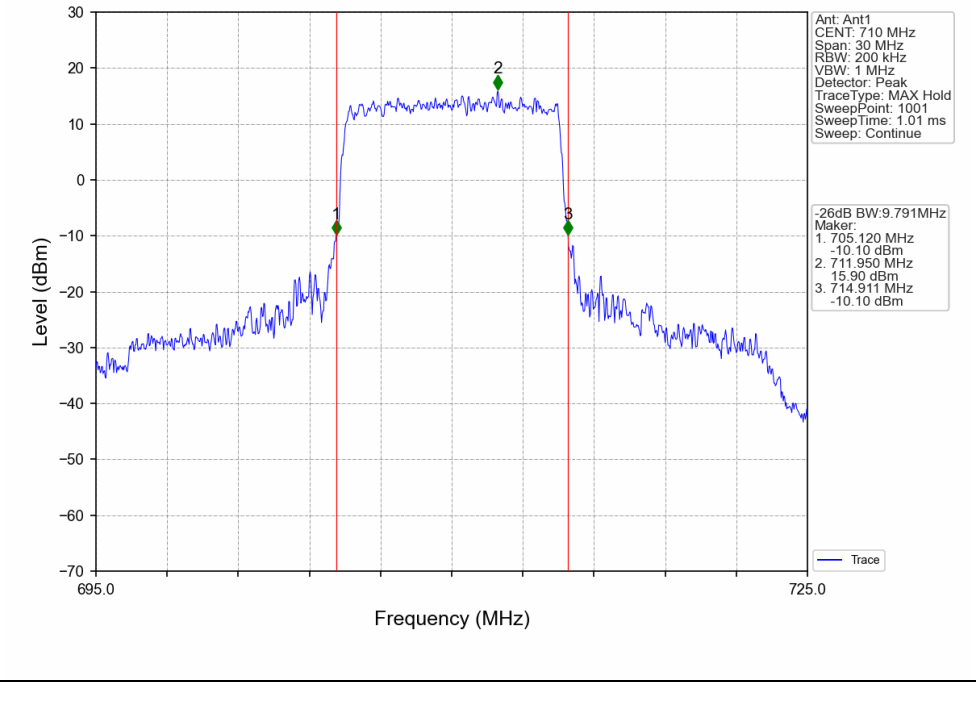
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



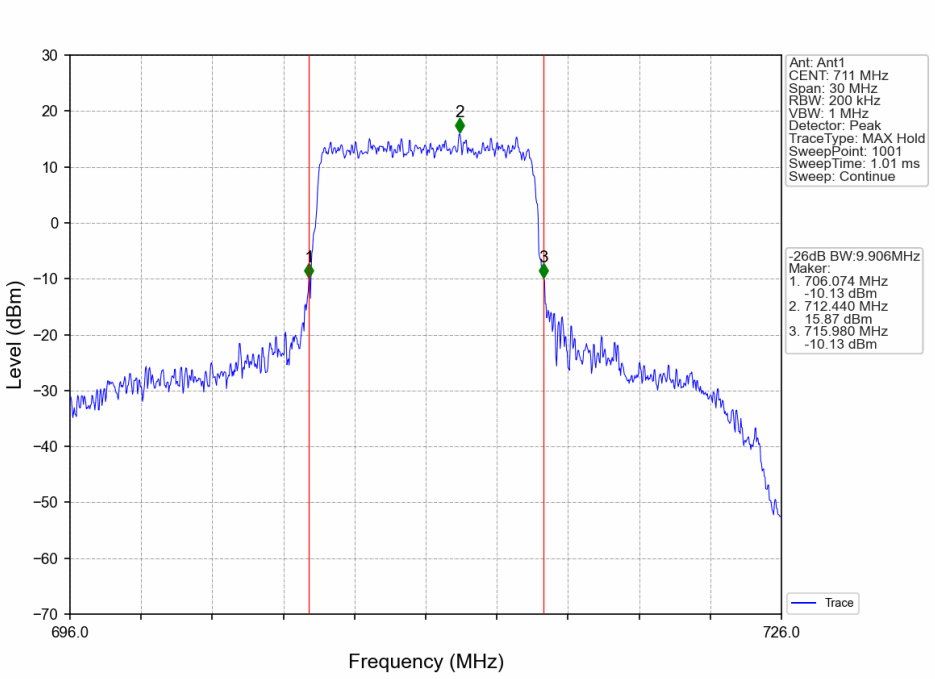
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



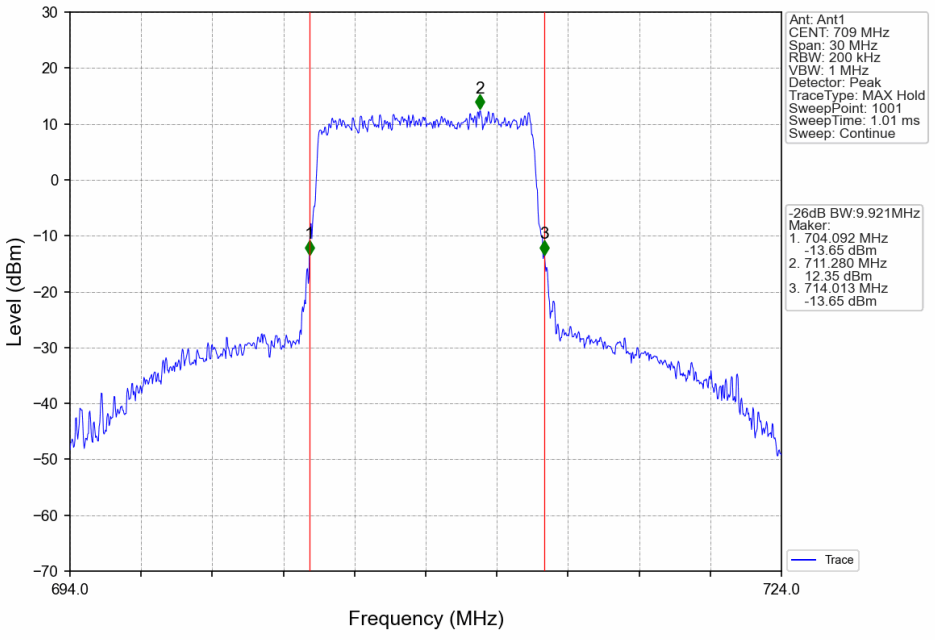
Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



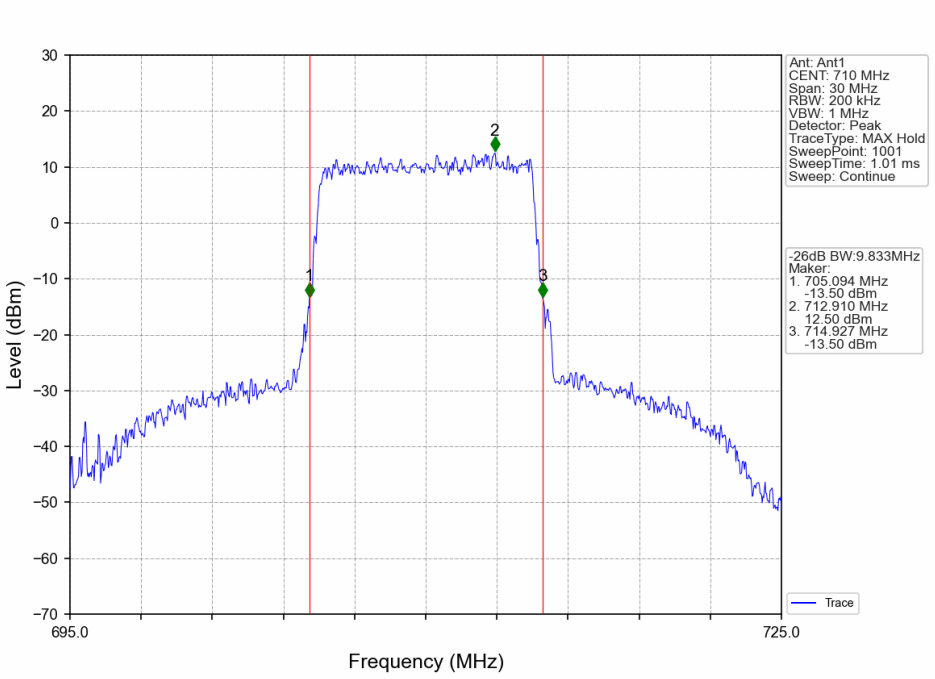
Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



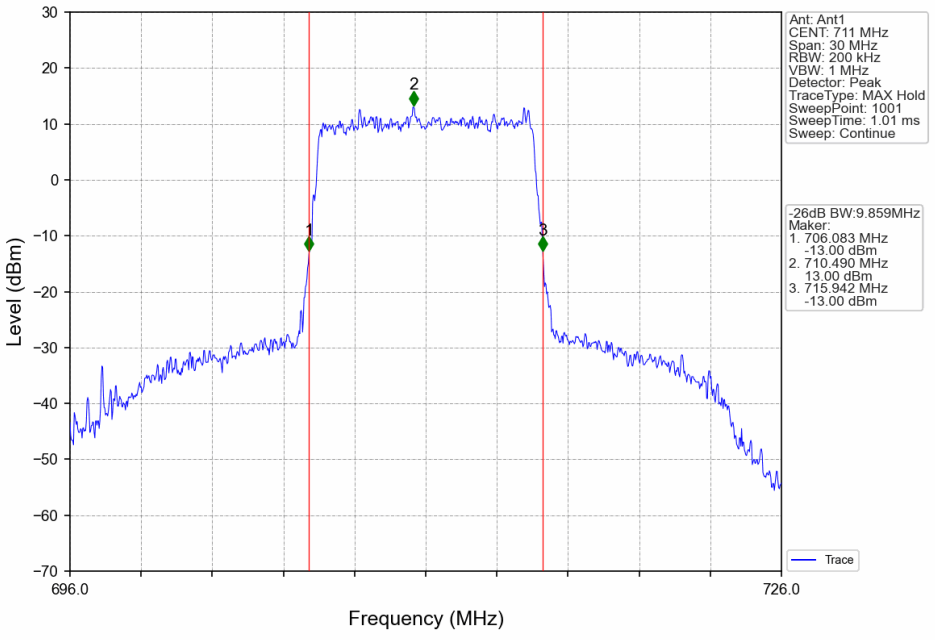
Band17_10MHz_256QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_256QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV



4. Peak-Average Ratio

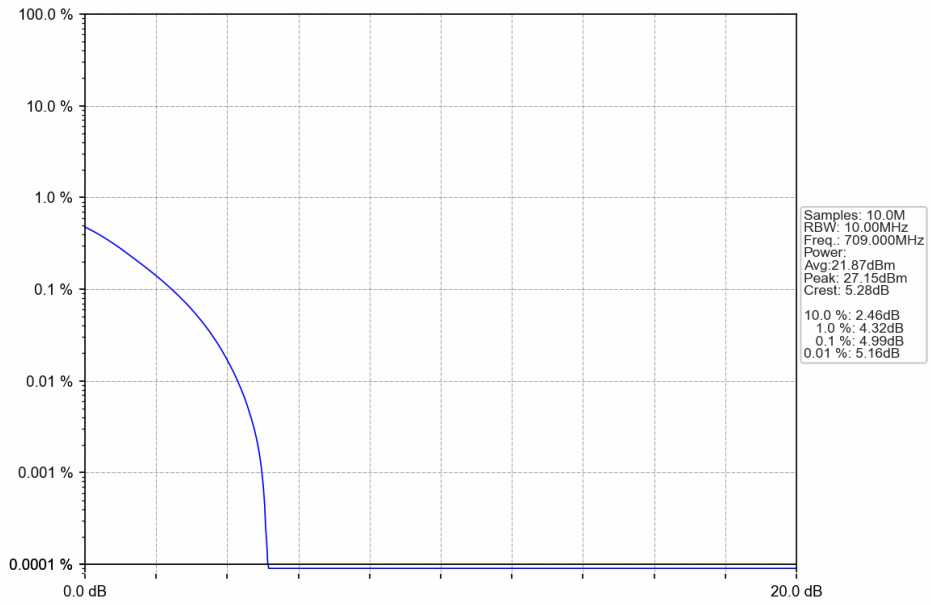
4.1 B17_10MHz

4.1.1 Test Result

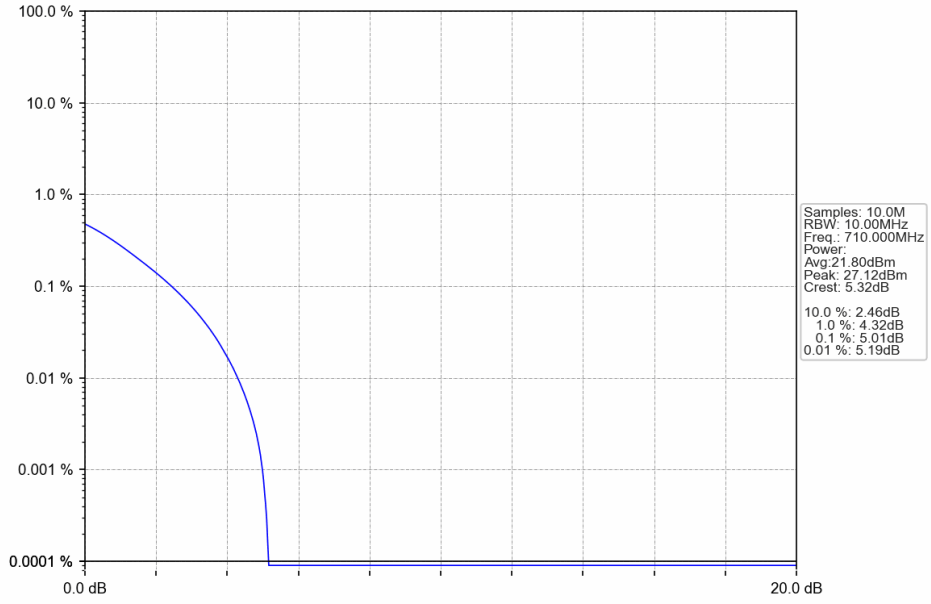
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	4.99	<=13	Pass
	710	50	0	5.01	<=13	Pass
	711	50	0	4.99	<=13	Pass
16QAM	709	50	0	5.97	<=13	Pass
	710	50	0	5.97	<=13	Pass
	711	50	0	5.94	<=13	Pass
64QAM	709	50	0	6.43	<=13	Pass
	710	50	0	6.43	<=13	Pass
	711	50	0	6.43	<=13	Pass
256QAM	709	50	0	6.70	<=13	Pass
	710	50	0	6.67	<=13	Pass
	711	50	0	6.67	<=13	Pass

4.1.2 Test Graph

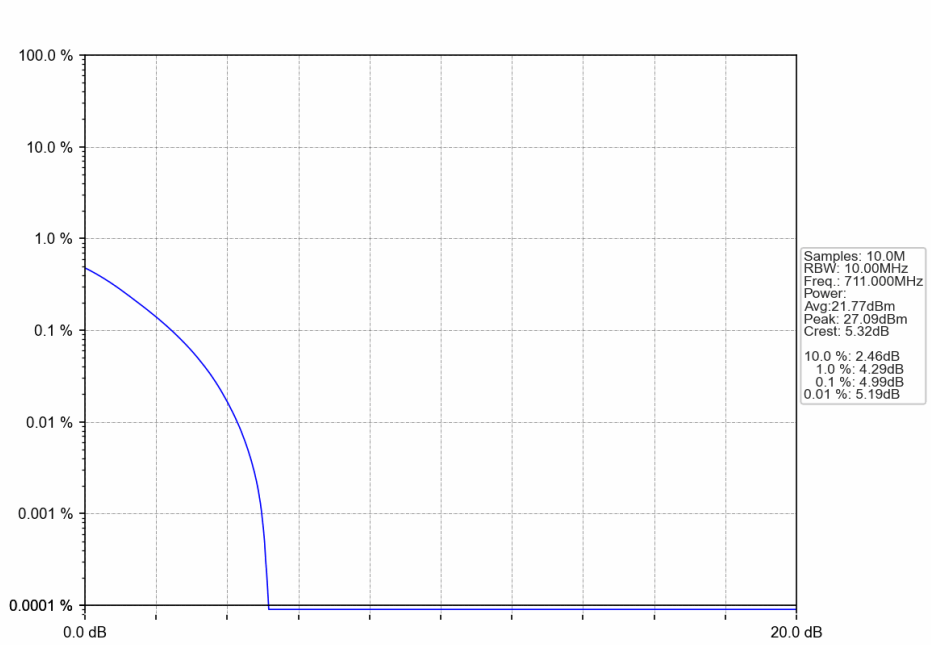
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



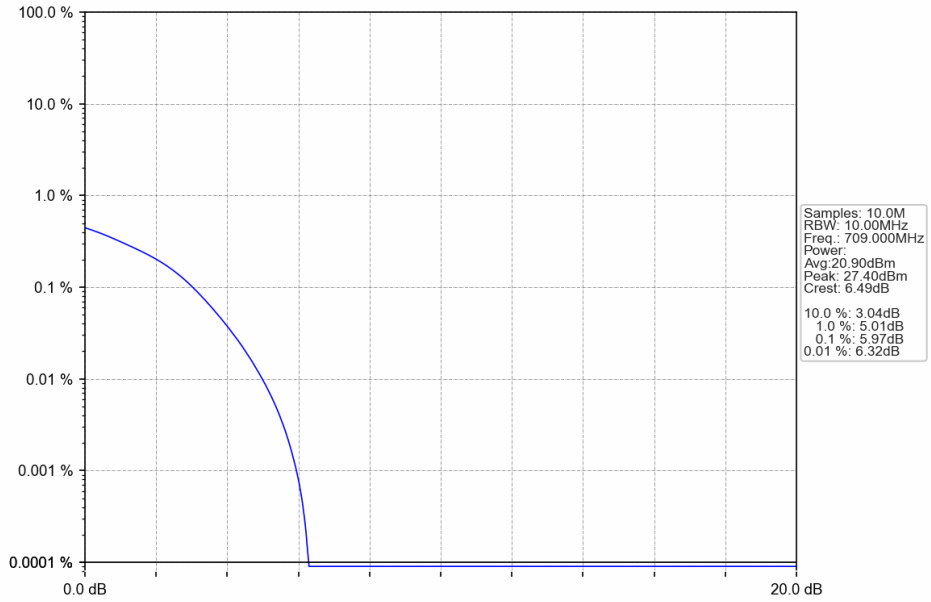
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



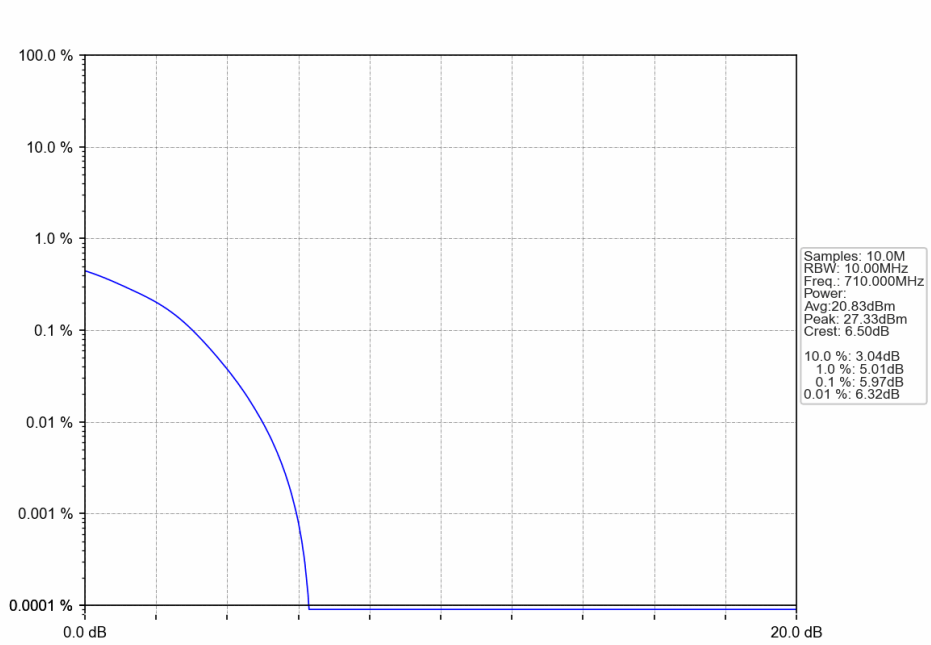
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



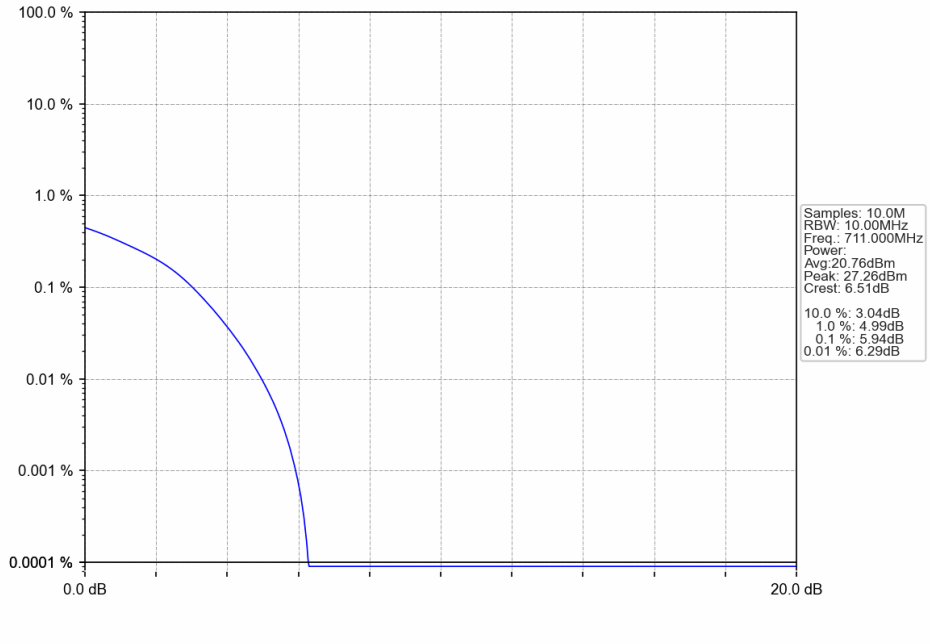
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



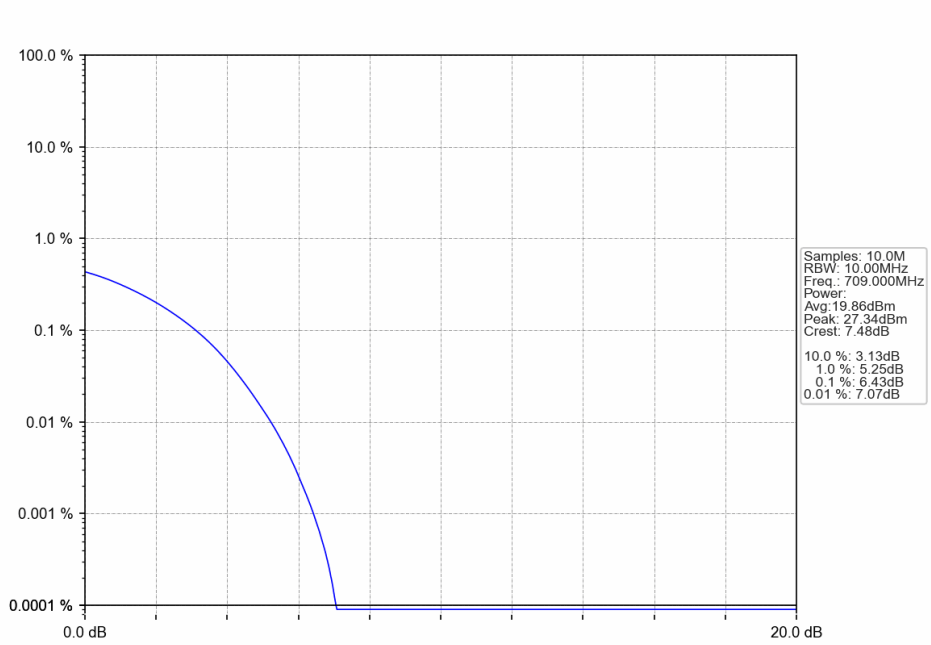
Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



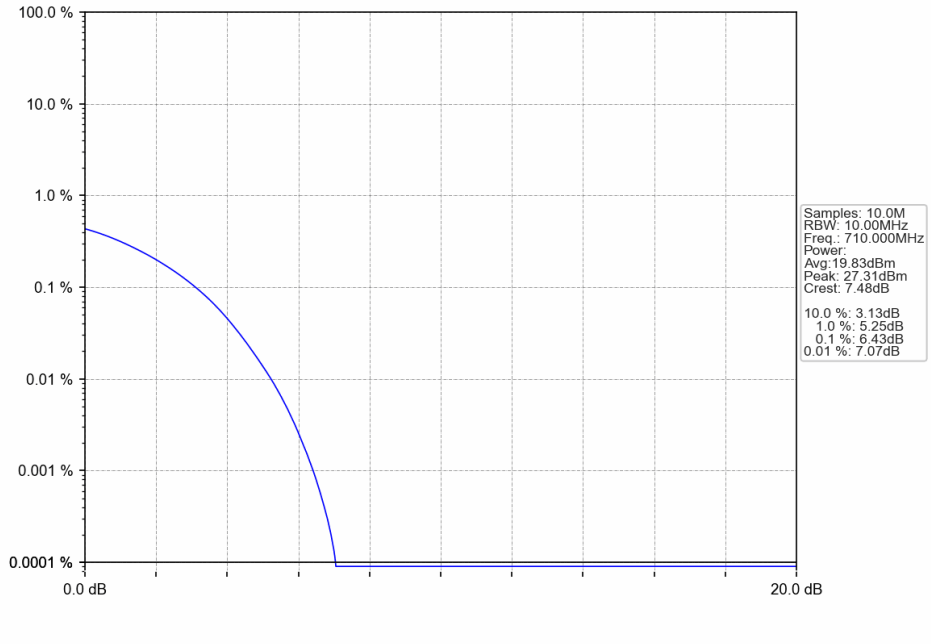
Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



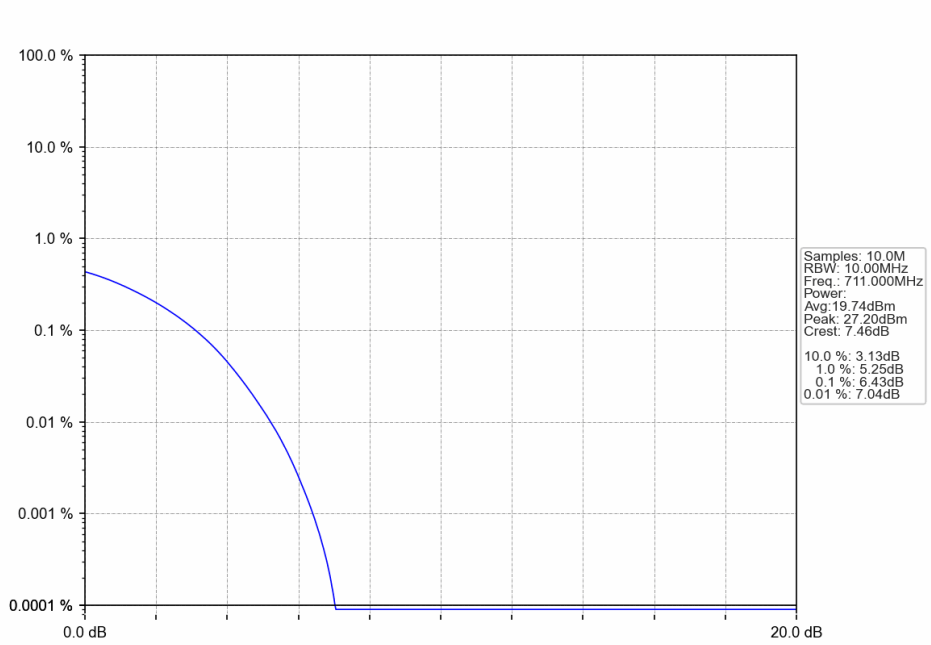
Band17_10MHz_64QAM_LCH_709MHz_RB_50_0_NTNV



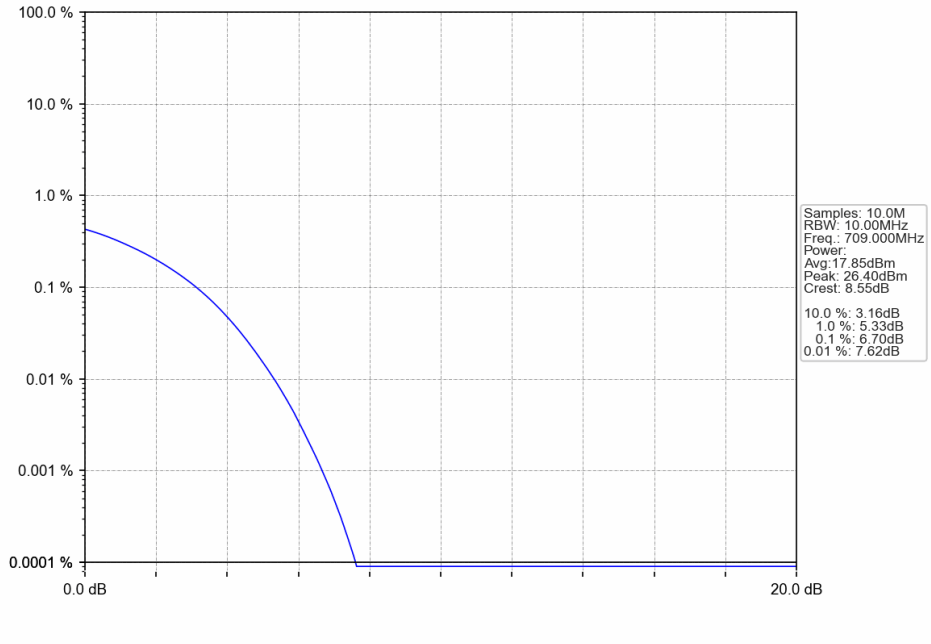
Band17_10MHz_64QAM_MCH_710MHz_RB_50_0_NTNV



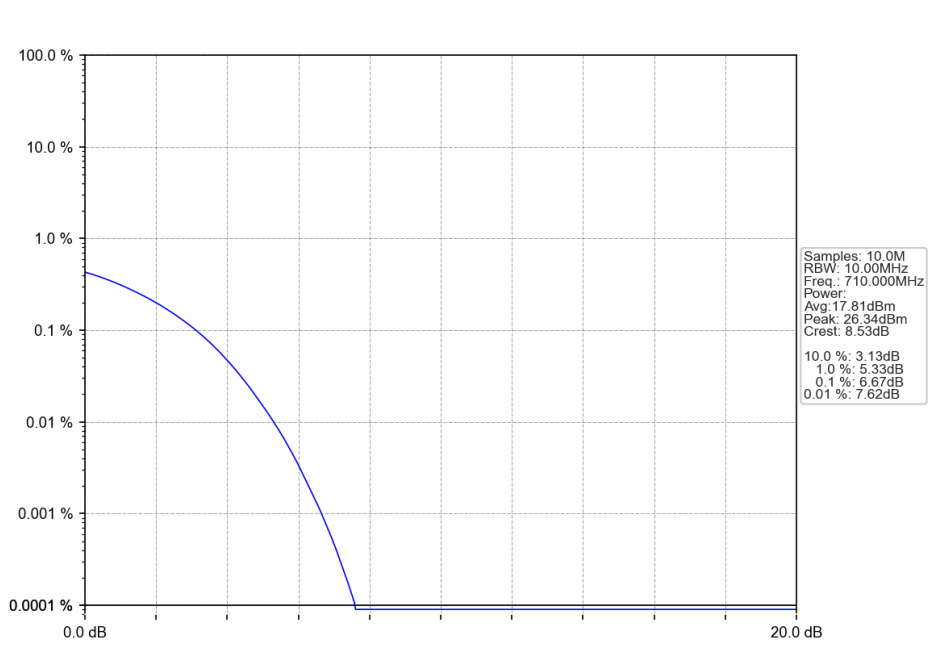
Band17_10MHz_64QAM_HCH_711MHz_RB_50_0_NTNV



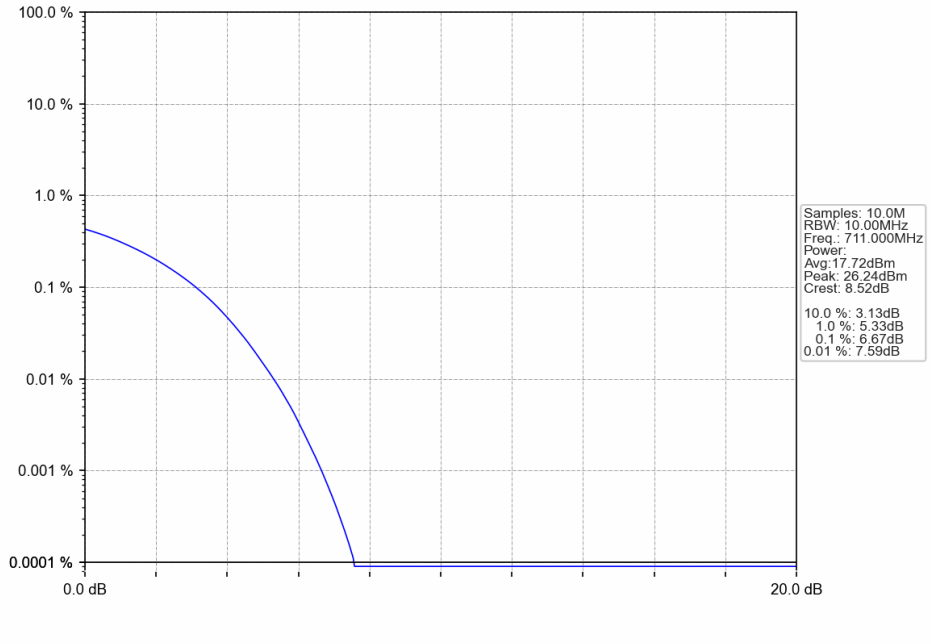
Band17_10MHz_256QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_256QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_256QAM_HCH_711MHz_RB_50_0_NTNV



5. Spurious Emission & Band Edges

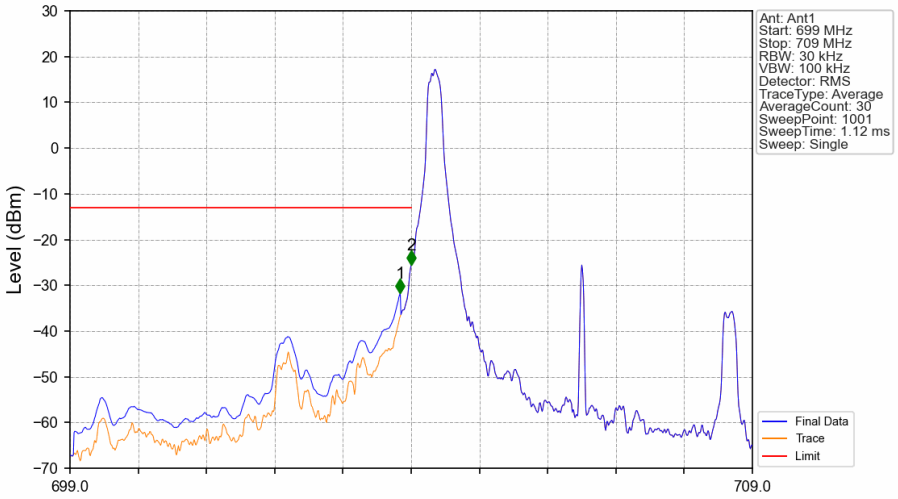
5.1 B17_5MHz

5.1.1 Test Result

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

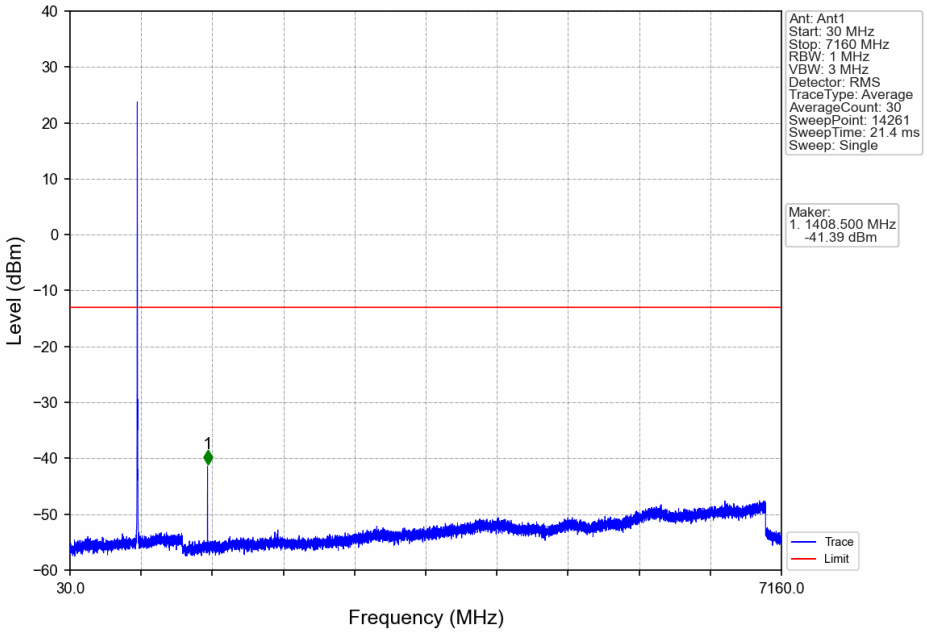
5.1.2 Test Graph

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

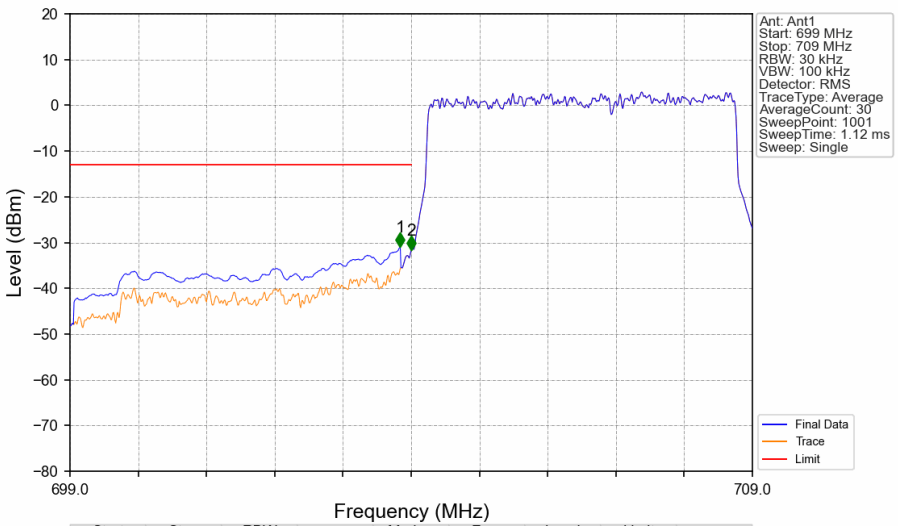


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-31.73	-13	Pass
703.9	704	0.03	/	2	704.000	-25.53	-13	Pass
704	709	0.03	/	/	/	/	/	/

Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

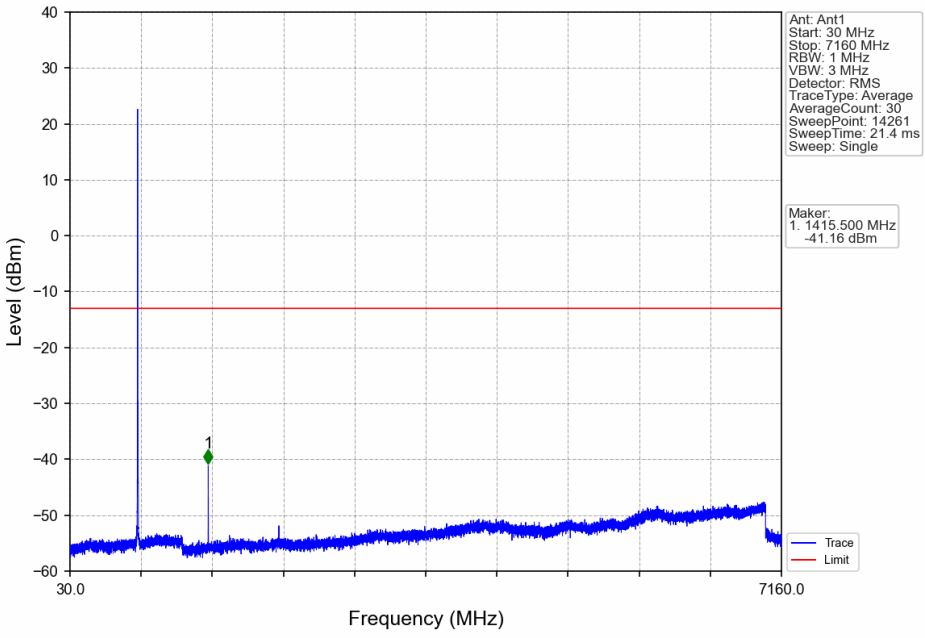


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

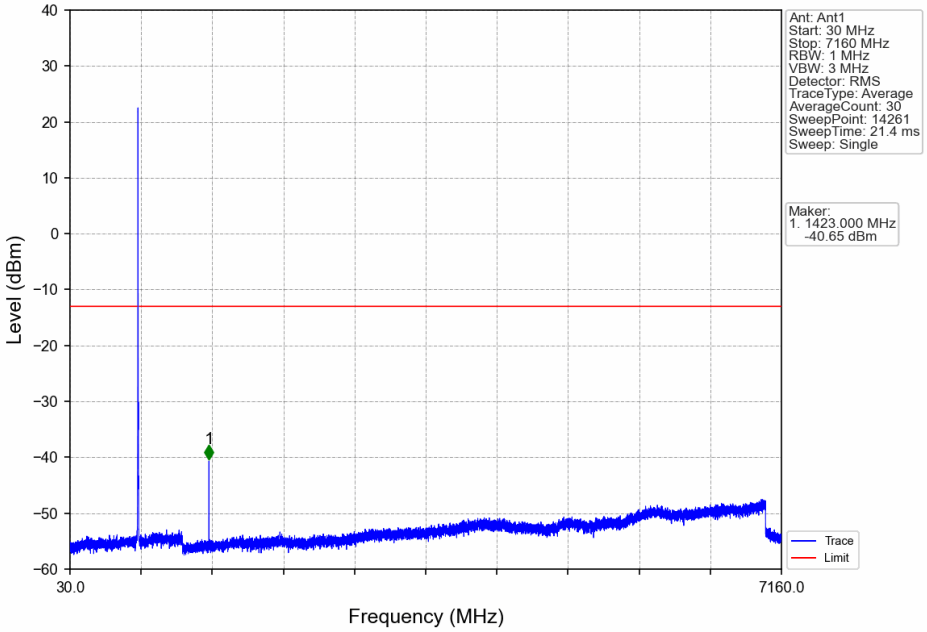


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.94	-13	Pass
703.9	704	0.03	/	2	704.000	-31.75	-13	Pass
704	709	0.03	/	/	/	/	/	/

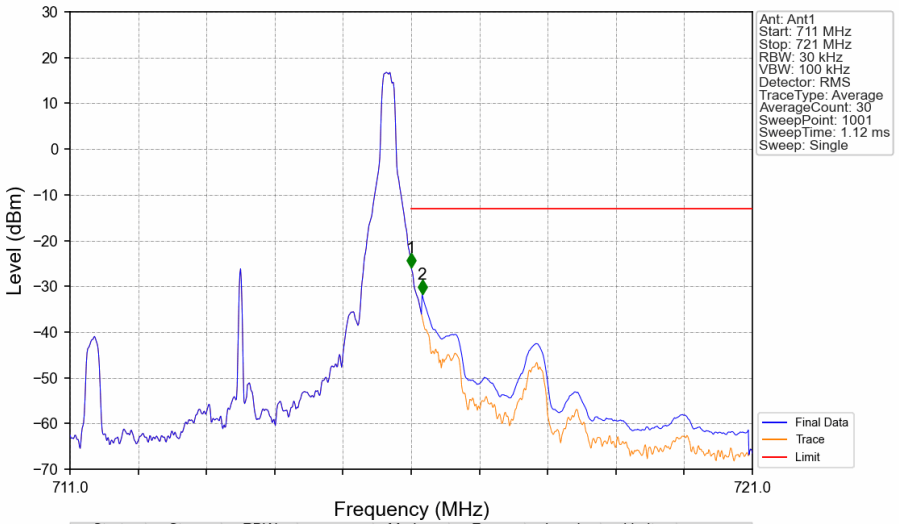
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

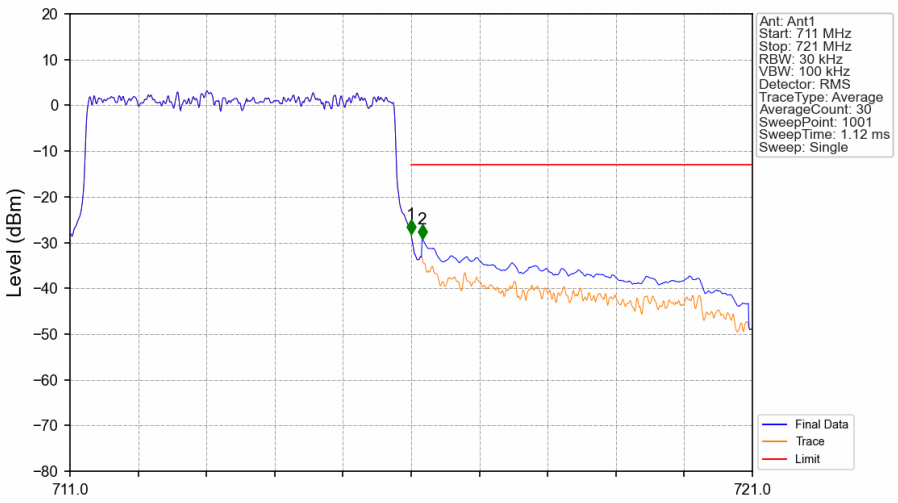


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	716.000	-25.87	-13	Pass
716.1	721	0.1	CHP	2	716.160	-31.75	-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	716.000	-28.22	-13	Pass
716.1	721	0.1	CHP	2	716.160	-29.21	-13	Pass

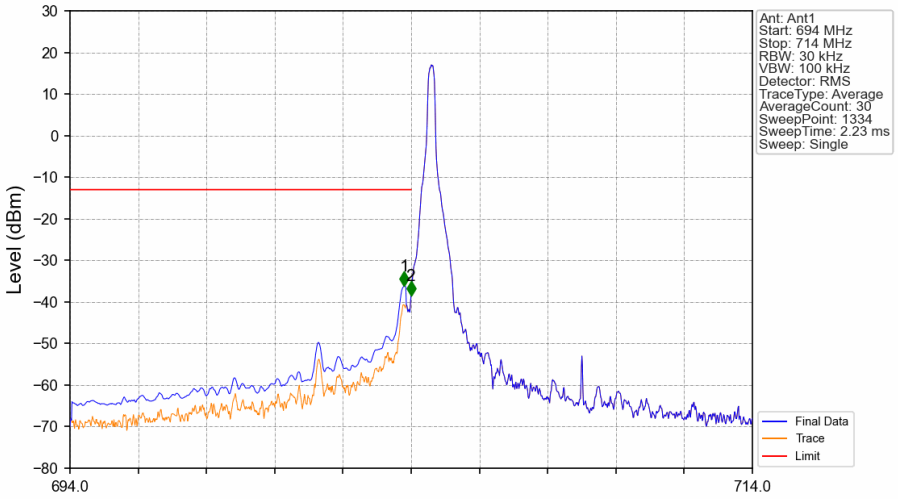
5.2 B17_10MHz

5.2.1 Test Result

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

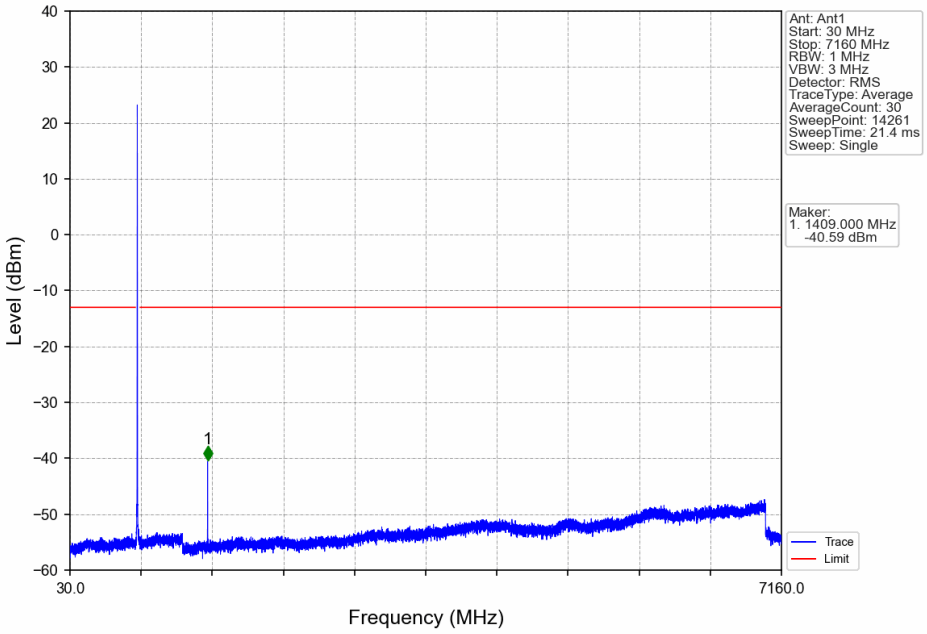
5.2.2 Test Graph

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

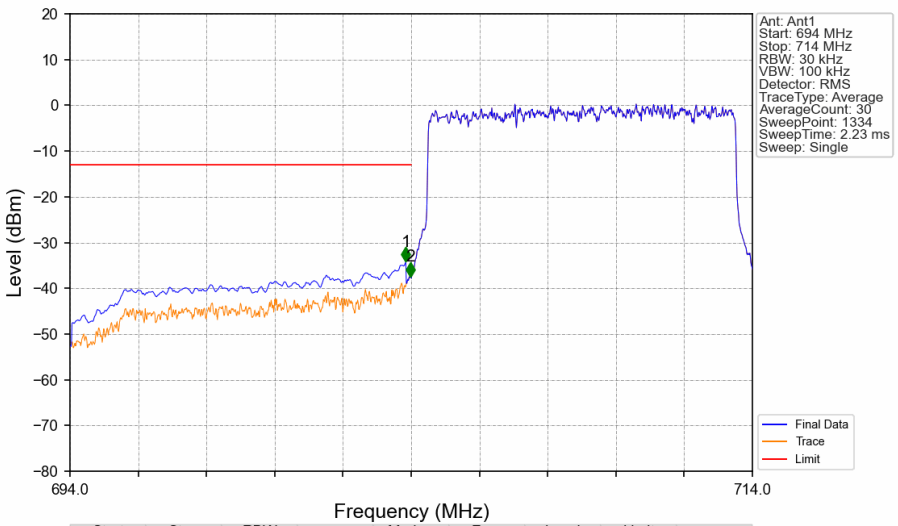


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.797	-36.13	-13	Pass
703.9	704	0.03	/	2	703.992	-38.55	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

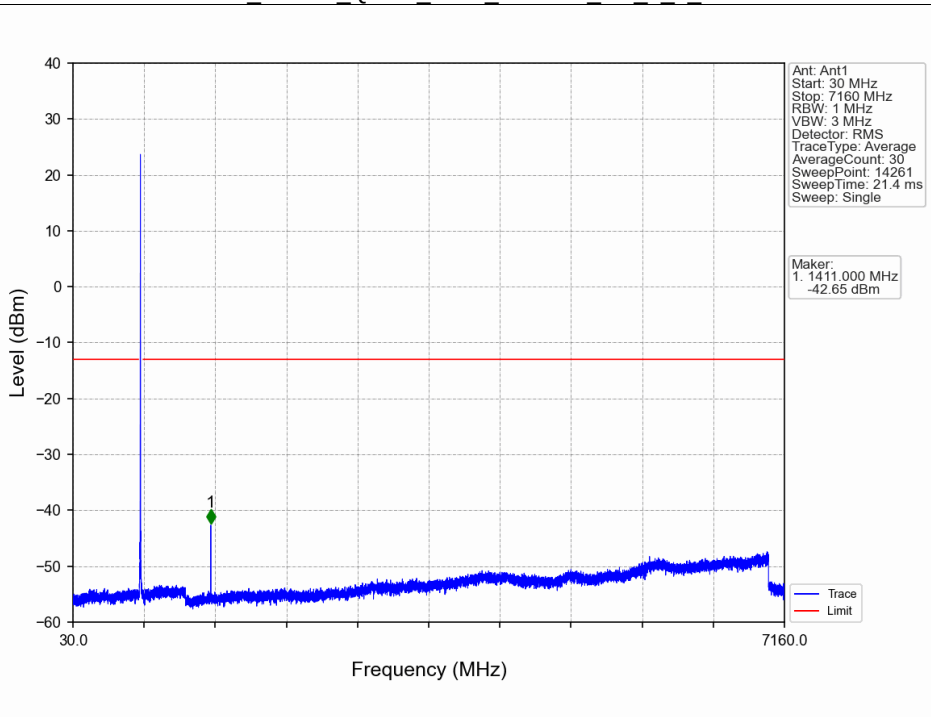


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

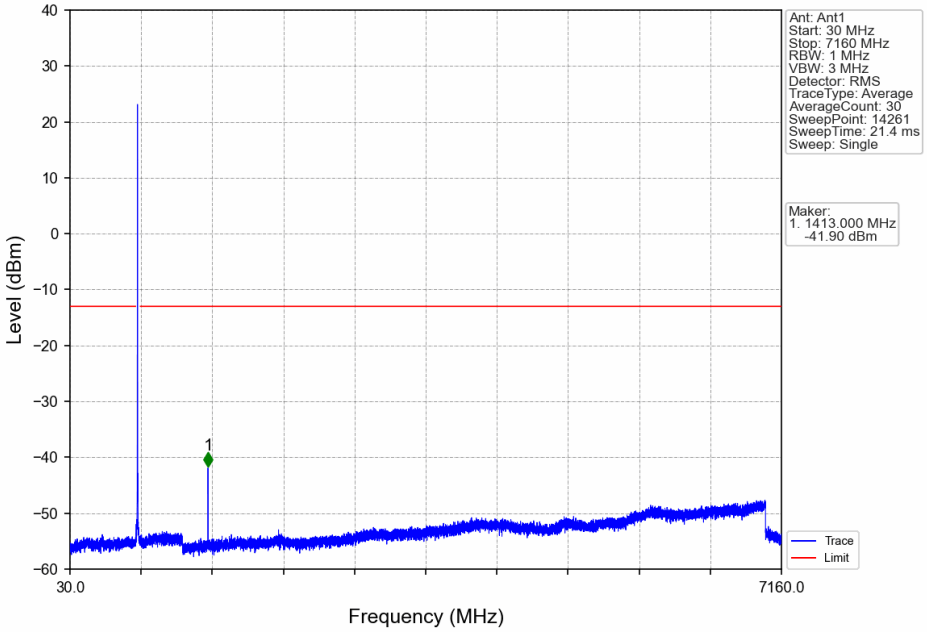


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-34.22	-13	Pass
703.9	704	0.03	/	2	703.977	-37.43	-13	Pass
704	714	0.03	/	/	/	/	/	/

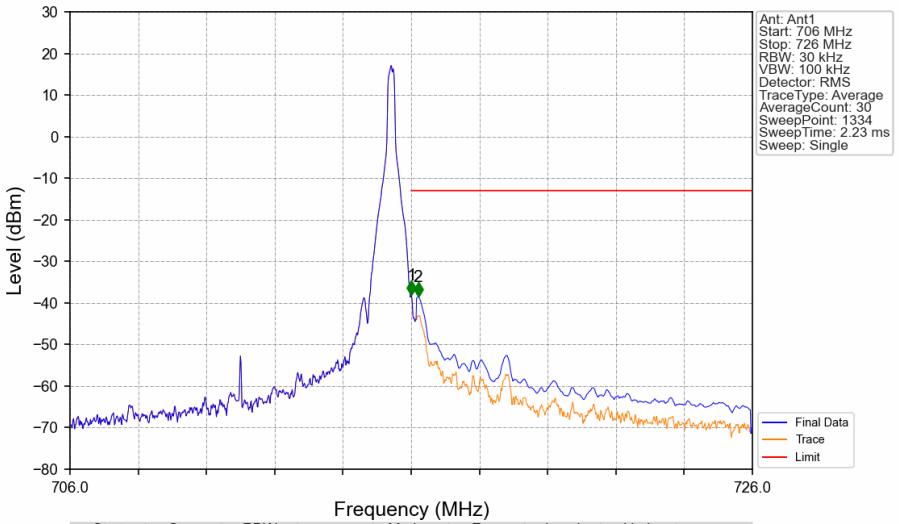
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

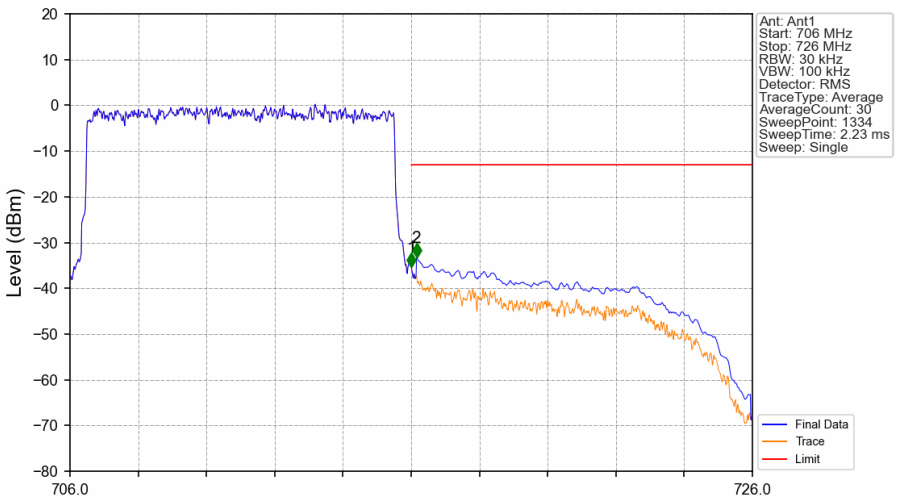


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	716.008	-38.11	-13	Pass
716.1	726	0.1	CHP	2	716.203	-38.53	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.008	-35.32	-13	Pass
716.1	726	0.1	CHP	2	716.158	-33.27	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 17 ANT31-Low channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1409.0	-69.09	-13	-56.09	-71.91	2.48	5.3	Horizontal	Pass
2113.5	-69.48	-13	-56.48	-71.57	2.8	4.89	Horizontal	Pass
2818.0	-69.11	-13	-56.11	-72.51	3.12	6.52	Horizontal	Pass
1409.0	-70.34	-13	-57.34	-73.16	2.48	5.3	Vertical	Pass
2113.5	-69.43	-13	-56.43	-71.52	2.8	4.89	Vertical	Pass
2818.0	-68.76	-13	-55.76	-72.16	3.12	6.52	Vertical	Pass

LTE Band 17 ANT31- Middle channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1411.0	-70.99	-13	-57.99	-73.82	2.49	5.32	Horizontal	Pass
2116.5	-69.32	-13	-56.32	-71.42	2.8	4.9	Horizontal	Pass
2822.0	-69.54	-13	-56.54	-72.94	3.13	6.53	Horizontal	Pass
1411.0	-71.17	-13	-58.17	-74.0	2.49	5.32	Vertical	Pass
2116.5	-70.77	-13	-57.77	-72.87	2.8	4.9	Vertical	Pass
2822.0	-69.51	-13	-56.51	-72.91	3.13	6.53	Vertical	Pass

LTE Band 17 ANT31-High channel								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
1413.0	-70.02	-13	-57.02	-72.86	2.49	5.33	Horizontal	Pass
2119.5	-69.57	-13	-56.57	-71.67	2.81	4.91	Horizontal	Pass
2826.0	-69.19	-13	-56.19	-72.6	3.13	6.54	Horizontal	Pass
1413.0	-70.77	-13	-57.77	-73.61	2.49	5.33	Vertical	Pass
2119.5	-70.75	-13	-57.75	-72.85	2.81	4.91	Vertical	Pass
2826.0	-69.25	-13	-56.25	-72.66	3.13	6.54	Vertical	Pass

1) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---