

Report No.: SUCR240500014801

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Appendix B.11

LTE Band 17



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1. Effective (Isotropic) Radiated Power Output Data

For report SUCR240400011301:

1.1 B17_5MHz_ERP (NPANT004)

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	23.03	3.19	24.07	<=34.77	Pass
			13	23.23	3.19	24.27	<=34.77	Pass
			24	23.09	3.19	24.13	<=34.77	Pass
		12	0	22.13	3.19	23.17	<=34.77	Pass
			6	22.26	3.19	23.30	<=34.77	Pass
			13	22.22	3.19	23.26	<=34.77	Pass
		25	0	22.23	3.19	23.27	<=34.77	Pass
	710	1	0	23.14	3.19	24.18	<=34.77	Pass
			13	23.17	3.19	24.21	<=34.77	Pass
			24	23.21	3.19	24.25	<=34.77	Pass
		12	0	22.21	3.19	23.25	<=34.77	Pass
			6	22.23	3.19	23.27	<=34.77	Pass
			13	22.17	3.19	23.21	<=34.77	Pass
		25	0	22.22	3.19	23.26	<=34.77	Pass
	713.5	1	0	23.15	3.19	24.19	<=34.77	Pass
			13	23.35	3.19	24.39	<=34.77	Pass
			24	23.23	3.19	24.27	<=34.77	Pass
		12	0	22.24	3.19	23.28	<=34.77	Pass
			6	22.34	3.19	23.38	<=34.77	Pass
			13	22.30	3.19	23.34	<=34.77	Pass
		25	0	22.26	3.19	23.30	<=34.77	Pass
16QAM	706.5	1	0	21.93	3.19	22.97	<=34.77	Pass
			13	22.06	3.19	23.10	<=34.77	Pass
			24	22.01	3.19	23.05	<=34.77	Pass
		12	0	21.16	3.19	22.20	<=34.77	Pass
			6	21.27	3.19	22.31	<=34.77	Pass
			13	21.21	3.19	22.25	<=34.77	Pass
		25	0	21.25	3.19	22.29	<=34.77	Pass
	710	1	0	22.40	3.19	23.44	<=34.77	Pass
			13	22.52	3.19	23.56	<=34.77	Pass
			24	22.54	3.19	23.58	<=34.77	Pass
		12	0	21.28	3.19	22.32	<=34.77	Pass
			6	21.30	3.19	22.34	<=34.77	Pass
			13	21.30	3.19	22.34	<=34.77	Pass
		25	0	21.24	3.19	22.28	<=34.77	Pass
	713.5	1	0	22.32	3.19	23.36	<=34.77	Pass
			13	22.52	3.19	23.56	<=34.77	Pass



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		24	22.36	3.19	23.40	<=34.77	Pass
		0	21.25	3.19	22.29	<=34.77	Pass
	12	6	21.35	3.19	22.39	<=34.77	Pass
		13	21.26	3.19	22.30	<=34.77	Pass
	25	0	21.27	3.19	22.31	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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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	23.07	3.19	24.11	<=34.77	Pass
			25	23.11	3.19	24.15	<=34.77	Pass
			49	23.20	3.19	24.24	<=34.77	Pass
		25	0	22.22	3.19	23.26	<=34.77	Pass
			13	22.26	3.19	23.30	<=34.77	Pass
			25	22.24	3.19	23.28	<=34.77	Pass
		50	0	22.24	3.19	23.28	<=34.77	Pass
	710	1	0	23.08	3.19	24.12	<=34.77	Pass
			25	23.09	3.19	24.13	<=34.77	Pass
			49	23.18	3.19	24.22	<=34.77	Pass
		25	0	22.23	3.19	23.27	<=34.77	Pass
			13	22.24	3.19	23.28	<=34.77	Pass
			25	22.17	3.19	23.21	<=34.77	Pass
		50	0	22.26	3.19	23.30	<=34.77	Pass
	711	1	0	23.17	3.19	24.21	<=34.77	Pass
			25	23.14	3.19	24.18	<=34.77	Pass
			49	23.24	3.19	24.28	<=34.77	Pass
		25	0	22.26	3.19	23.30	<=34.77	Pass
			13	22.26	3.19	23.30	<=34.77	Pass
			25	22.23	3.19	23.27	<=34.77	Pass
		50	0	22.24	3.19	23.28	<=34.77	Pass
16QAM	709	1	0	22.57	3.19	23.61	<=34.77	Pass
			25	22.66	3.19	23.70	<=34.77	Pass
			49	22.83	3.19	23.87	<=34.77	Pass
		25	0	21.30	3.19	22.34	<=34.77	Pass
			13	21.36	3.19	22.40	<=34.77	Pass
			25	21.34	3.19	22.38	<=34.77	Pass
		50	0	21.30	3.19	22.34	<=34.77	Pass
	710	1	0	22.22	3.19	23.26	<=34.77	Pass
			25	22.35	3.19	23.39	<=34.77	Pass
			49	22.41	3.19	23.45	<=34.77	Pass
		25	0	21.28	3.19	22.32	<=34.77	Pass
			13	21.34	3.19	22.38	<=34.77	Pass
			25	21.25	3.19	22.29	<=34.77	Pass
		50	0	21.26	3.19	22.30	<=34.77	Pass
	711	1	0	22.17	3.19	23.21	<=34.77	Pass
			25	22.21	3.19	23.25	<=34.77	Pass
			49	22.25	3.19	23.29	<=34.77	Pass
		25	0	21.37	3.19	22.41	<=34.77	Pass
			13	21.41	3.19	22.45	<=34.77	Pass
			25	21.34	3.19	22.38	<=34.77	Pass
		50	0	21.28	3.19	22.32	<=34.77	Pass



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Note1: ERP=Conducted Power+Antenna Gain-2.15



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For report SUCR240500014801:

1.3 B17_5MHz_ERP (NPANT004)

1.3.1 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	22.73	3.19	23.77	<=34.77	Pass
			13	22.79	3.19	23.83	<=34.77	Pass
			24	22.71	3.19	23.75	<=34.77	Pass
		12	0	21.79	3.19	22.83	<=34.77	Pass
			6	21.79	3.19	22.83	<=34.77	Pass
			13	21.74	3.19	22.78	<=34.77	Pass
		25	0	21.77	3.19	22.81	<=34.77	Pass
	710	1	0	22.74	3.19	23.78	<=34.77	Pass
			13	22.75	3.19	23.79	<=34.77	Pass
			24	22.68	3.19	23.72	<=34.77	Pass
		12	0	21.78	3.19	22.82	<=34.77	Pass
			6	21.79	3.19	22.83	<=34.77	Pass
			13	21.77	3.19	22.81	<=34.77	Pass
		25	0	21.74	3.19	22.78	<=34.77	Pass
	713.5	1	0	22.65	3.19	23.69	<=34.77	Pass
			13	22.69	3.19	23.73	<=34.77	Pass
			24	22.57	3.19	23.61	<=34.77	Pass
		12	0	21.77	3.19	22.81	<=34.77	Pass
			6	21.77	3.19	22.81	<=34.77	Pass
			13	21.73	3.19	22.77	<=34.77	Pass
		25	0	21.74	3.19	22.78	<=34.77	Pass
16QAM	706.5	1	0	21.91	3.19	22.95	<=34.77	Pass
			13	21.95	3.19	22.99	<=34.77	Pass
			24	21.89	3.19	22.93	<=34.77	Pass
		12	0	20.78	3.19	21.82	<=34.77	Pass
			6	20.76	3.19	21.80	<=34.77	Pass
			13	20.74	3.19	21.78	<=34.77	Pass
		25	0	20.79	3.19	21.83	<=34.77	Pass
	710	1	0	21.83	3.19	22.87	<=34.77	Pass
			13	21.93	3.19	22.97	<=34.77	Pass
			24	21.87	3.19	22.91	<=34.77	Pass
		12	0	20.74	3.19	21.78	<=34.77	Pass
			6	20.74	3.19	21.78	<=34.77	Pass
			13	20.72	3.19	21.76	<=34.77	Pass
		25	0	20.74	3.19	21.78	<=34.77	Pass
	713.5	1	0	21.91	3.19	22.95	<=34.77	Pass
			13	22.04	3.19	23.08	<=34.77	Pass



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		24	21.89	3.19	22.93	<=34.77	Pass
		0	20.81	3.19	21.85	<=34.77	Pass
	12	6	20.81	3.19	21.85	<=34.77	Pass
		13	20.75	3.19	21.79	<=34.77	Pass
	25	0	20.78	3.19	21.82	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.4 B17_10MHz_ERP

1.4.1 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	22.75	3.19	23.79	<=34.77	Pass
			25	22.75	3.19	23.79	<=34.77	Pass
			49	22.66	3.19	23.70	<=34.77	Pass
		25	0	21.80	3.19	22.84	<=34.77	Pass
			13	21.81	3.19	22.85	<=34.77	Pass
			25	21.76	3.19	22.80	<=34.77	Pass
		50	0	21.79	3.19	22.83	<=34.77	Pass
	710	1	0	22.74	3.19	23.78	<=34.77	Pass
			25	22.74	3.19	23.78	<=34.77	Pass
			49	22.63	3.19	23.67	<=34.77	Pass
		25	0	21.77	3.19	22.81	<=34.77	Pass
			13	21.79	3.19	22.83	<=34.77	Pass
			25	21.73	3.19	22.77	<=34.77	Pass
		50	0	21.74	3.19	22.78	<=34.77	Pass
	711	1	0	22.81	3.19	23.85	<=34.77	Pass
			25	22.81	3.19	23.85	<=34.77	Pass
			49	22.73	3.19	23.77	<=34.77	Pass
		25	0	21.76	3.19	22.80	<=34.77	Pass
			13	21.78	3.19	22.82	<=34.77	Pass
			25	21.72	3.19	22.76	<=34.77	Pass
		50	0	21.79	3.19	22.83	<=34.77	Pass
16QAM	709	1	0	21.93	3.19	22.97	<=34.77	Pass
			25	21.91	3.19	22.95	<=34.77	Pass
			49	21.91	3.19	22.95	<=34.77	Pass
		25	0	20.84	3.19	21.88	<=34.77	Pass
			13	20.88	3.19	21.92	<=34.77	Pass
			25	20.80	3.19	21.84	<=34.77	Pass
		50	0	20.79	3.19	21.83	<=34.77	Pass
	710	1	0	21.80	3.19	22.84	<=34.77	Pass
			25	21.83	3.19	22.87	<=34.77	Pass
			49	21.76	3.19	22.80	<=34.77	Pass
		25	0	20.82	3.19	21.86	<=34.77	Pass
			13	20.81	3.19	21.85	<=34.77	Pass
			25	20.79	3.19	21.83	<=34.77	Pass



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	711	50	0	20.78	3.19	21.82	<=34.77	Pass
		1	0	21.59	3.19	22.63	<=34.77	Pass
			25	21.62	3.19	22.66	<=34.77	Pass
			49	21.57	3.19	22.61	<=34.77	Pass
			0	20.80	3.19	21.84	<=34.77	Pass
		25	13	20.82	3.19	21.86	<=34.77	Pass
			25	20.76	3.19	21.80	<=34.77	Pass
			0	20.78	3.19	21.82	<=34.77	Pass
		50	0	20.78	3.19	21.82	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15



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2. Frequency Stability

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	3.135	-4.789	-0.0068	/	Pass
					3.7	-7.231	-0.0102	/	Pass
					4.4	-7.514	-0.0106	/	Pass
				-30	3.7	-1.278	-0.0018	/	Pass
				-20	3.7	-5.849	-0.0082	/	Pass
				-10	3.7	-2.753	-0.0039	/	Pass
				0	3.7	-6.691	-0.0094	/	Pass
				10	3.7	-1.826	-0.0026	/	Pass
				30	3.7	-5.126	-0.0072	/	Pass
				40	3.7	-4.631	-0.0065	/	Pass
				50	3.7	0.729	0.0010	/	Pass
	710	50	0	20	3.135	2.776	0.0039	/	Pass
					3.7	-2.391	-0.0034	/	Pass
					4.4	4.131	0.0058	/	Pass
				-30	3.7	4.640	0.0065	/	Pass
				-20	3.7	1.394	0.0020	/	Pass
				-10	3.7	3.836	0.0054	/	Pass
				0	3.7	-0.804	-0.0011	/	Pass
				10	3.7	1.331	0.0019	/	Pass
				30	3.7	-1.739	-0.0024	/	Pass
				40	3.7	3.874	0.0055	/	Pass
				50	3.7	-0.201	-0.0003	/	Pass
	711	50	0	20	3.135	-1.538	-0.0022	/	Pass
					3.7	2.064	0.0029	/	Pass
					4.4	-4.781	-0.0067	/	Pass
				-30	3.7	3.292	0.0046	/	Pass
				-20	3.7	1.197	0.0017	/	Pass
				-10	3.7	-4.704	-0.0066	/	Pass
				0	3.7	0.177	0.0002	/	Pass
				10	3.7	-1.650	-0.0023	/	Pass
				30	3.7	-4.620	-0.0065	/	Pass
				40	3.7	0.725	0.0010	/	Pass
				50	3.7	-2.193	-0.0031	/	Pass
16QAM	709	50	0	20	3.135	-2.722	-0.0038	/	Pass
					3.7	-2.331	-0.0033	/	Pass
					4.4	-3.261	-0.0046	/	Pass
				-30	3.7	-3.330	-0.0047	/	Pass



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				-20	3.7	-5.592	-0.0079	/	Pass
				-10	3.7	-4.191	-0.0059	/	Pass
				0	3.7	0.238	0.0003	/	Pass
				10	3.7	-4.370	-0.0062	/	Pass
				30	3.7	1.957	0.0028	/	Pass
				40	3.7	2.243	0.0032	/	Pass
				50	3.7	1.271	0.0018	/	Pass
	710	50	0	20	3.135	-1.449	-0.0020	/	Pass
					3.7	1.650	0.0023	/	Pass
					4.4	8.282	0.0117	/	Pass
				-30	3.7	3.875	0.0055	/	Pass
				-20	3.7	0.326	0.0005	/	Pass
				-10	3.7	3.365	0.0047	/	Pass
				0	3.7	5.353	0.0075	/	Pass
				10	3.7	2.250	0.0032	/	Pass
				30	3.7	2.833	0.0040	/	Pass
				40	3.7	5.793	0.0082	/	Pass
				50	3.7	6.538	0.0092	/	Pass
	711	50	0	20	3.135	-1.522	-0.0021	/	Pass
					3.7	2.286	0.0032	/	Pass
					4.4	-3.961	-0.0056	/	Pass
				-30	3.7	4.324	0.0061	/	Pass
				-20	3.7	3.119	0.0044	/	Pass
				-10	3.7	1.072	0.0015	/	Pass
				0	3.7	0.551	0.0008	/	Pass
				10	3.7	-1.723	-0.0024	/	Pass
				30	3.7	-1.084	-0.0015	/	Pass
				40	3.7	-1.286	-0.0018	/	Pass
				50	3.7	-3.107	-0.0044	/	Pass



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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	4.569	/	Pass
		710	25	0	4.562	/	Pass
		713.5	25	0	4.563	/	Pass
	16QAM	706.5	25	0	4.563	/	Pass
		710	25	0	4.577	/	Pass
		713.5	25	0	4.542	/	Pass
10	QPSK	709	50	0	9.106	/	Pass
		710	50	0	9.078	/	Pass
		711	50	0	9.092	/	Pass
	16QAM	709	50	0	9.108	/	Pass
		710	50	0	9.097	/	Pass
		711	50	0	9.086	/	Pass



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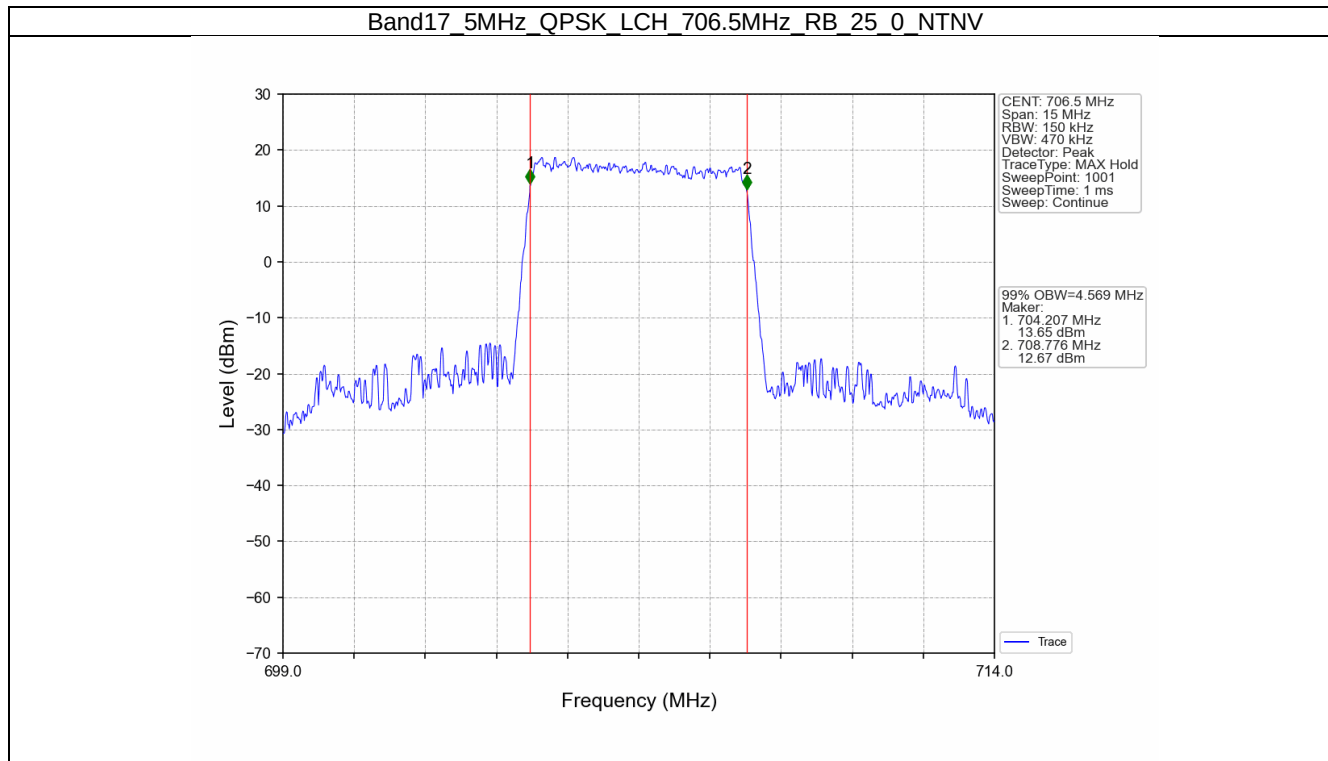
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3.1.2 Test Graph



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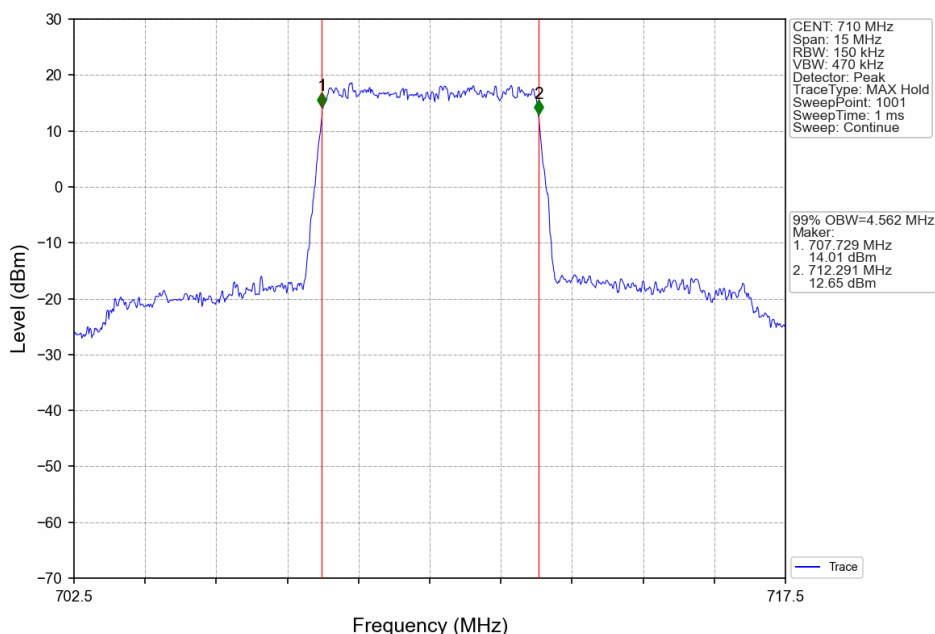
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Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



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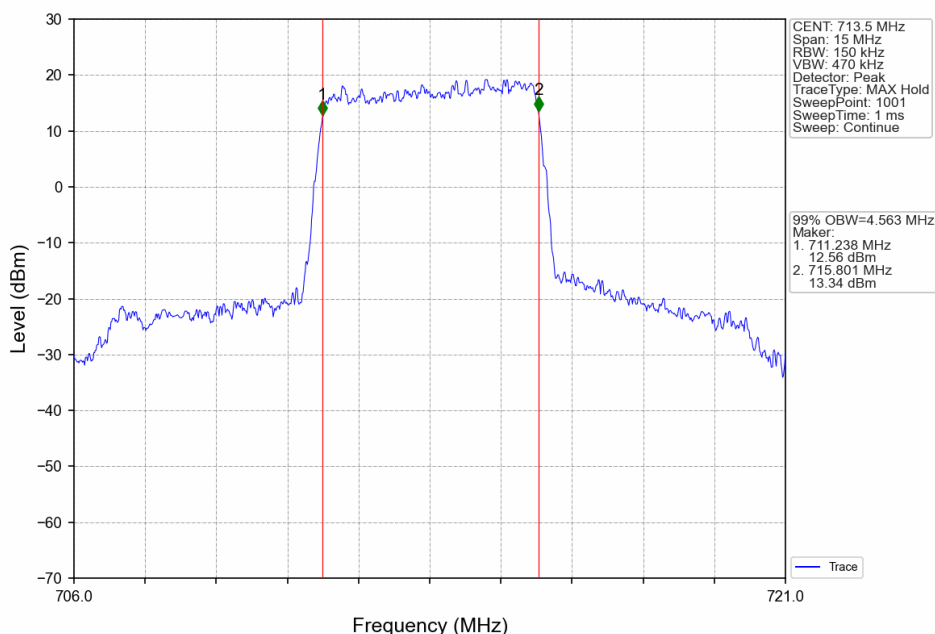
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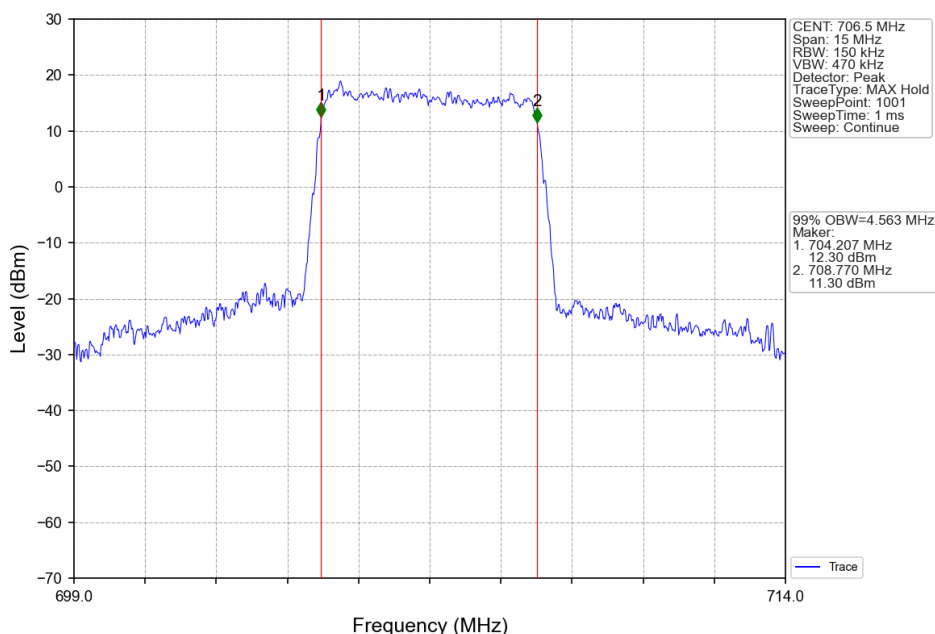
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Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



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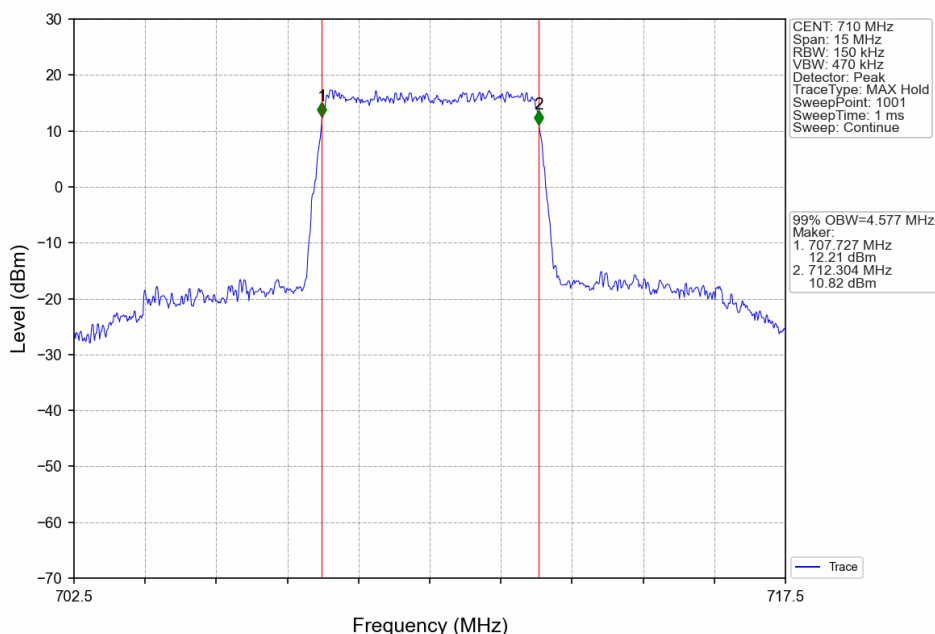
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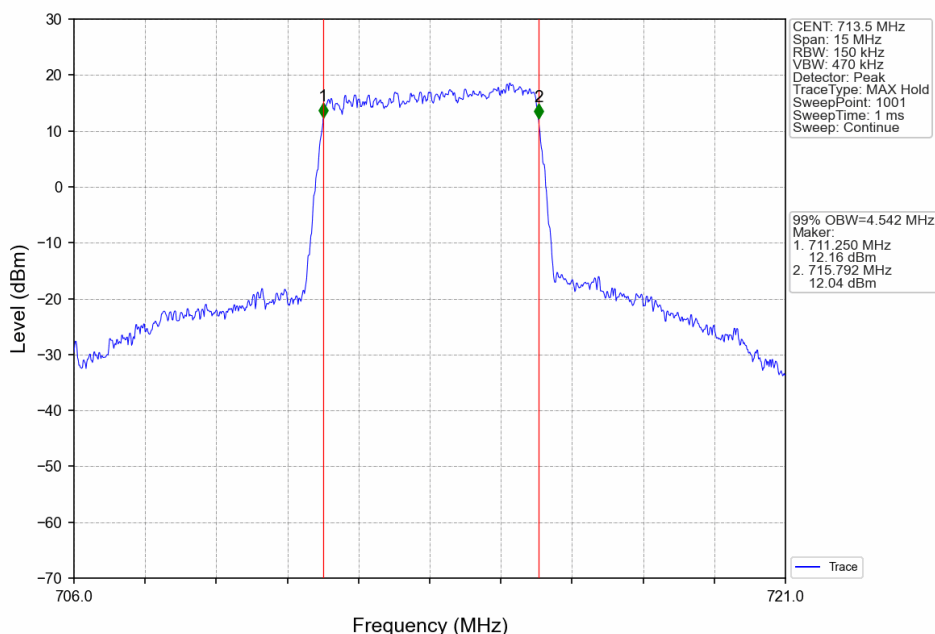
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Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



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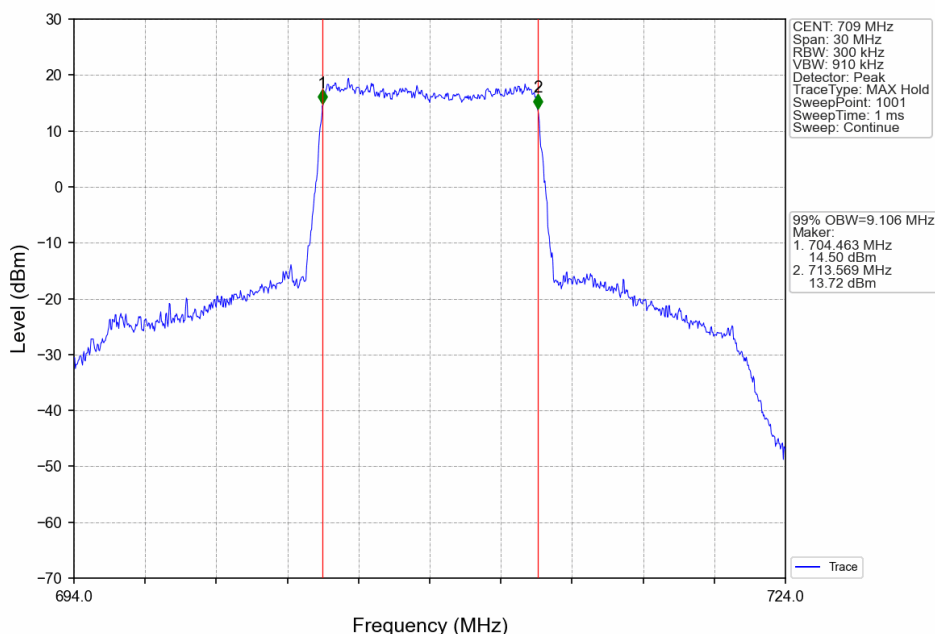
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Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



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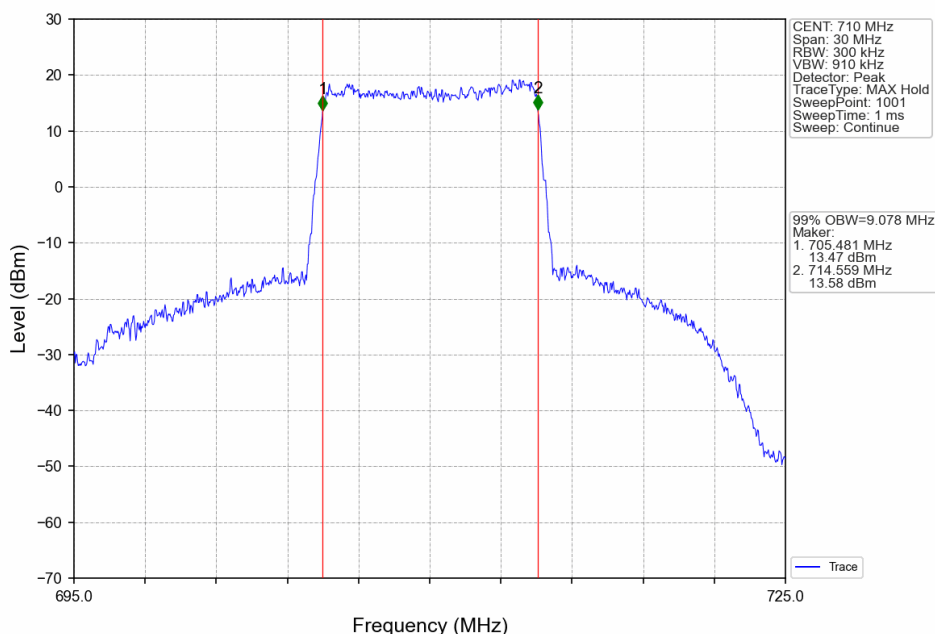
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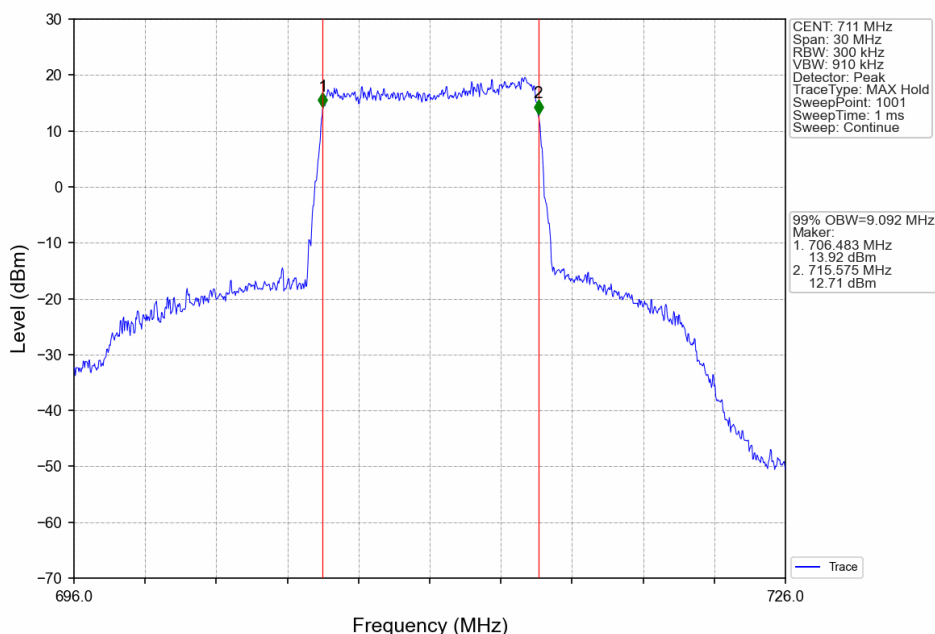
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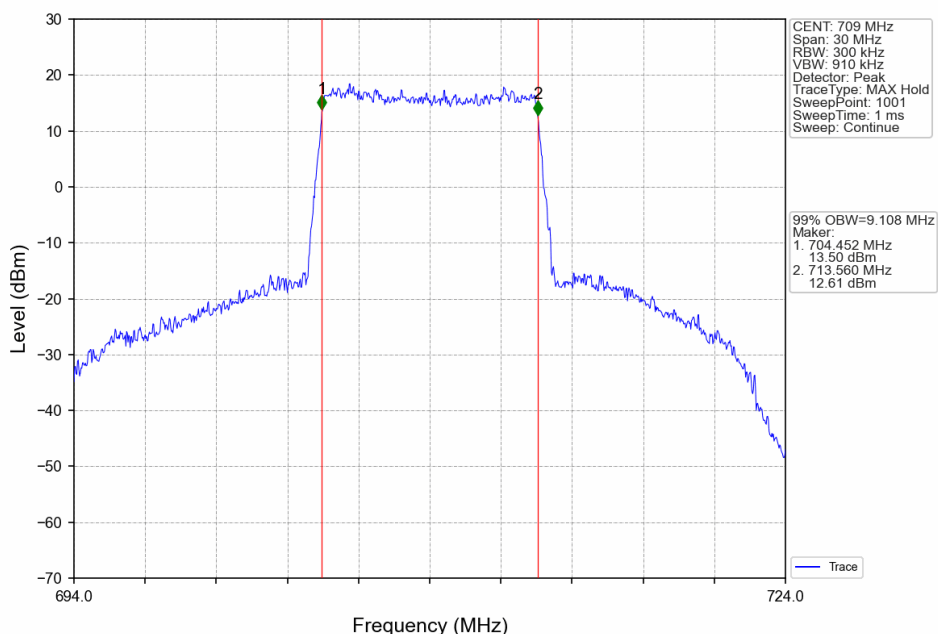
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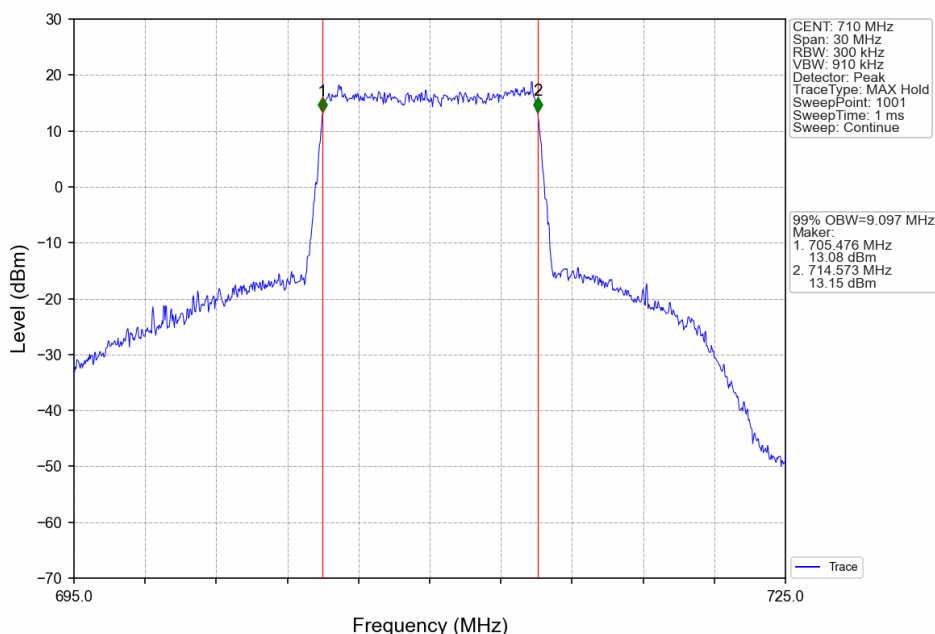
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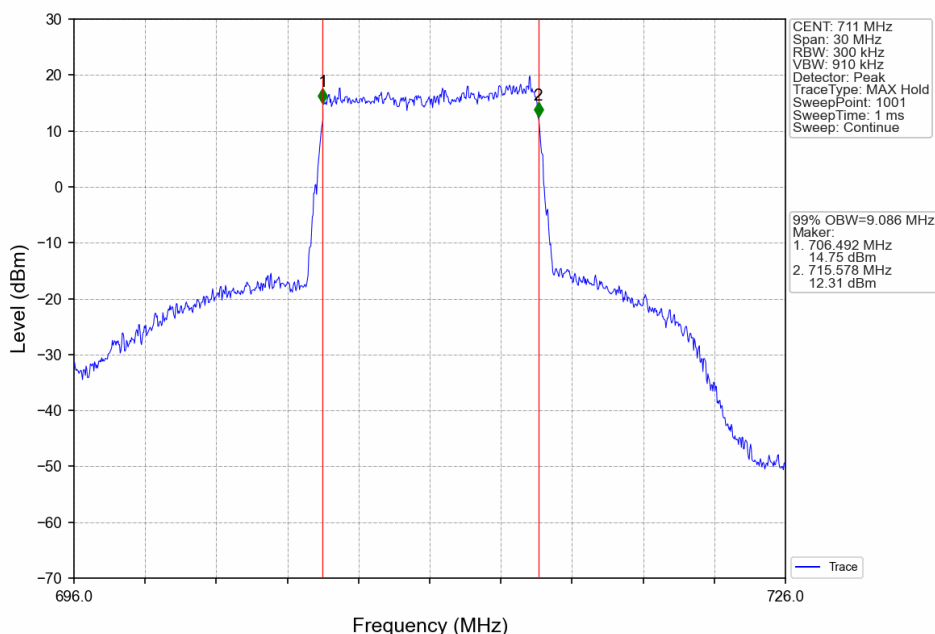
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3.2 Band17_XDB

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	5.022	/	Pass
		710	25	0	5.053	/	Pass
		713.5	25	0	5.045	/	Pass
	16QAM	706.5	25	0	5.061	/	Pass
		710	25	0	5.086	/	Pass
		713.5	25	0	5.020	/	Pass
10	QPSK	709	50	0	9.946	/	Pass
		710	50	0	9.967	/	Pass
		711	50	0	9.975	/	Pass
	16QAM	709	50	0	10.086	/	Pass
		710	50	0	10.010	/	Pass
		711	50	0	9.968	/	Pass



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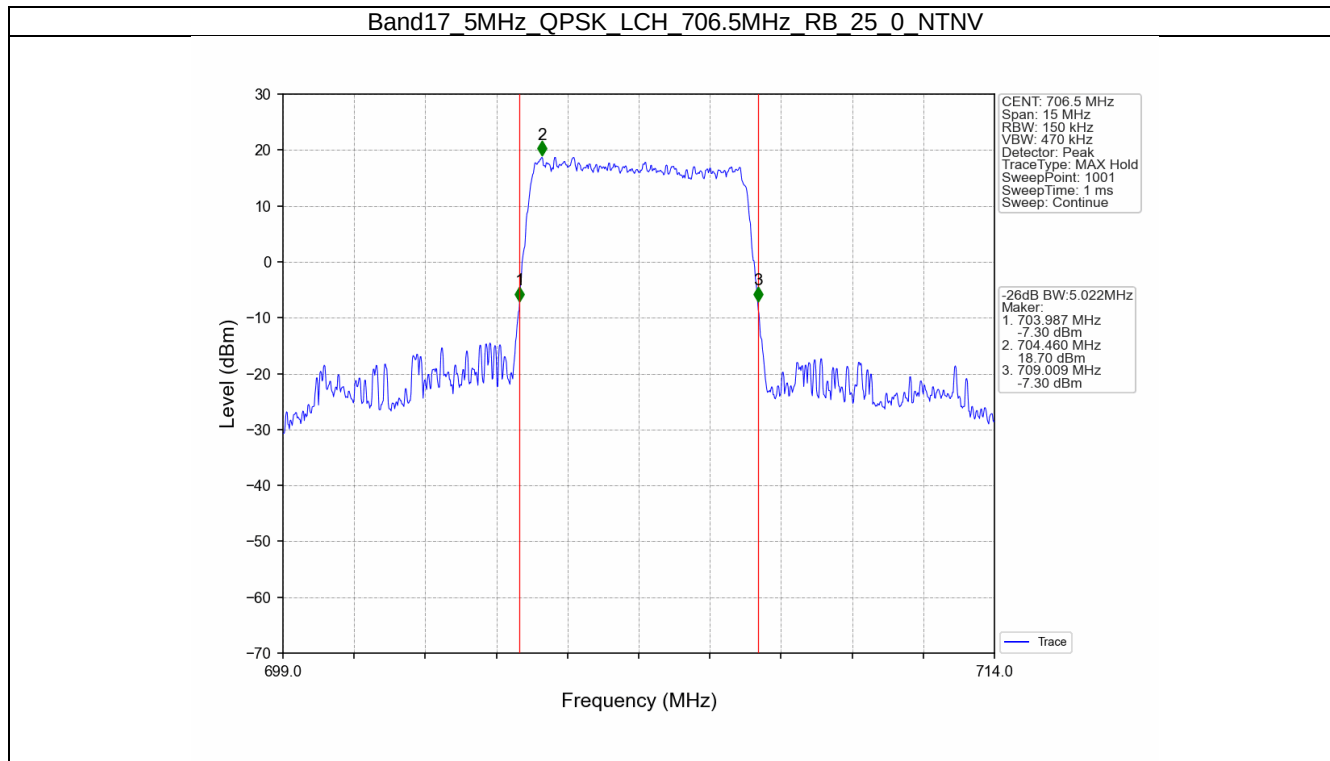
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3.2.2 Test Graph



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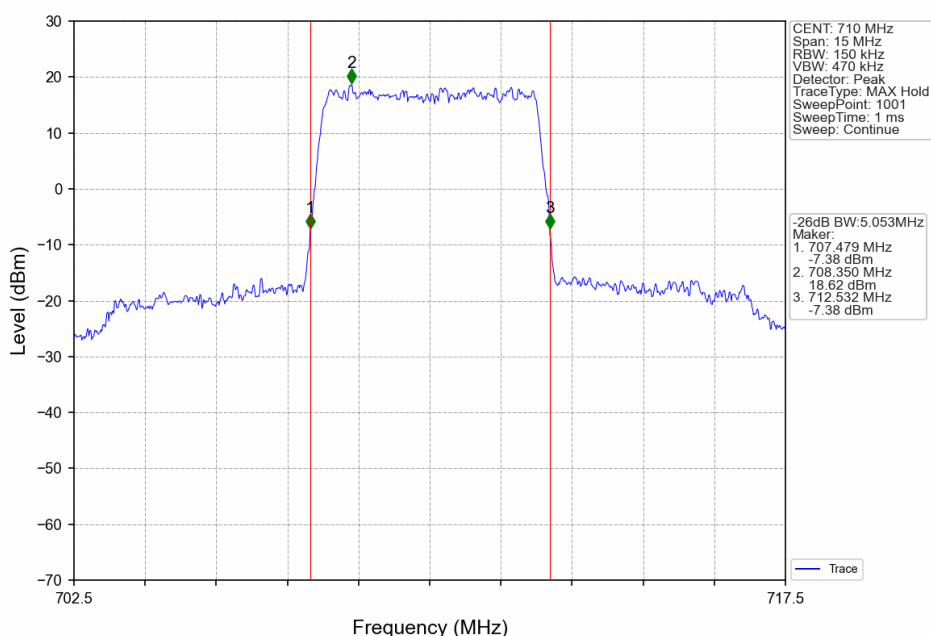
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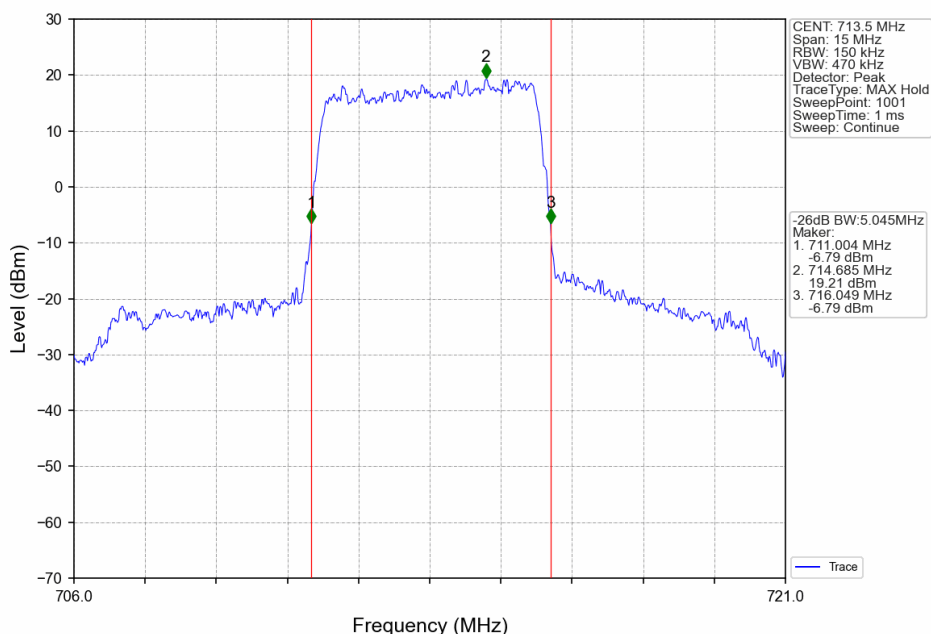
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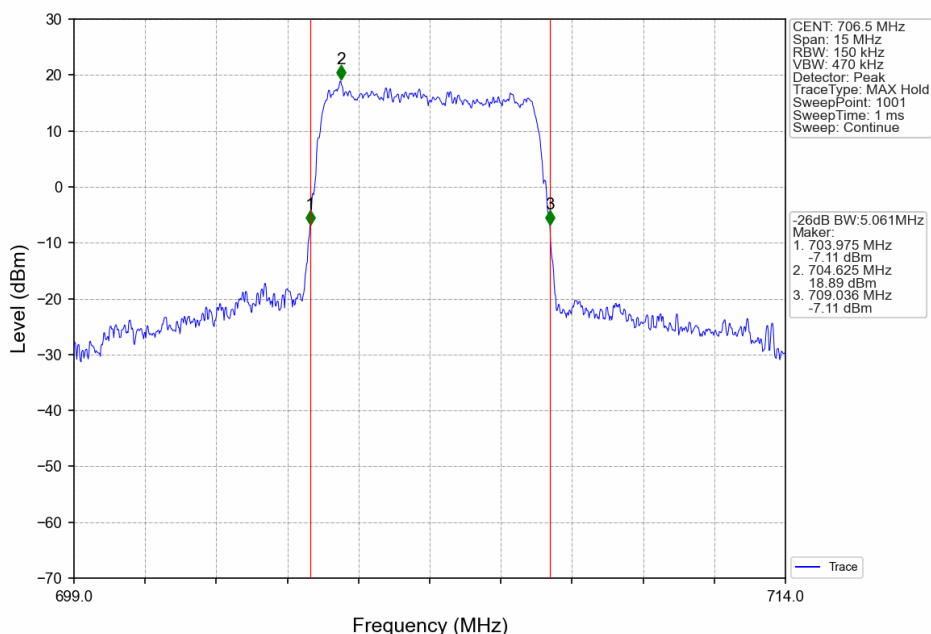
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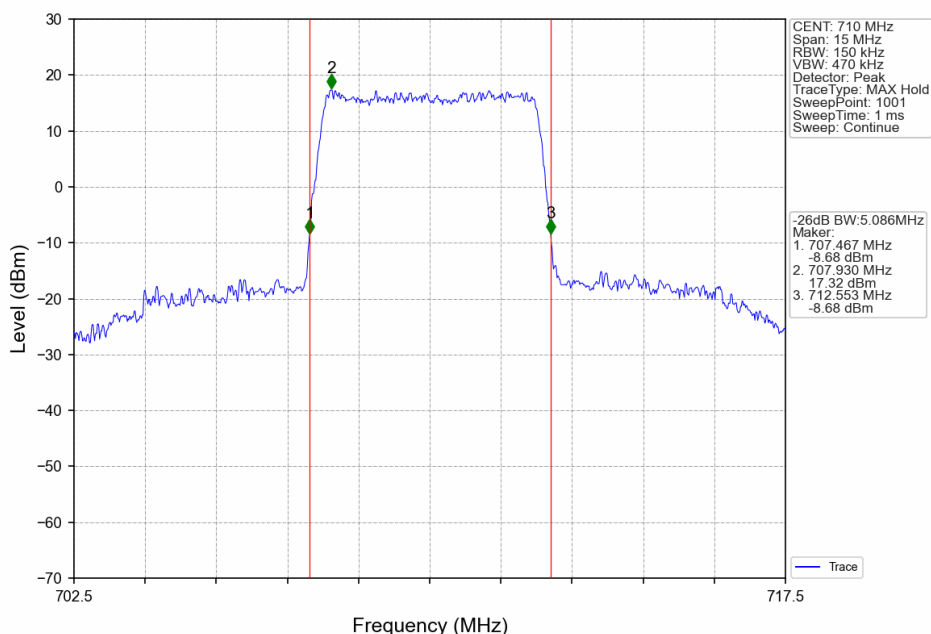
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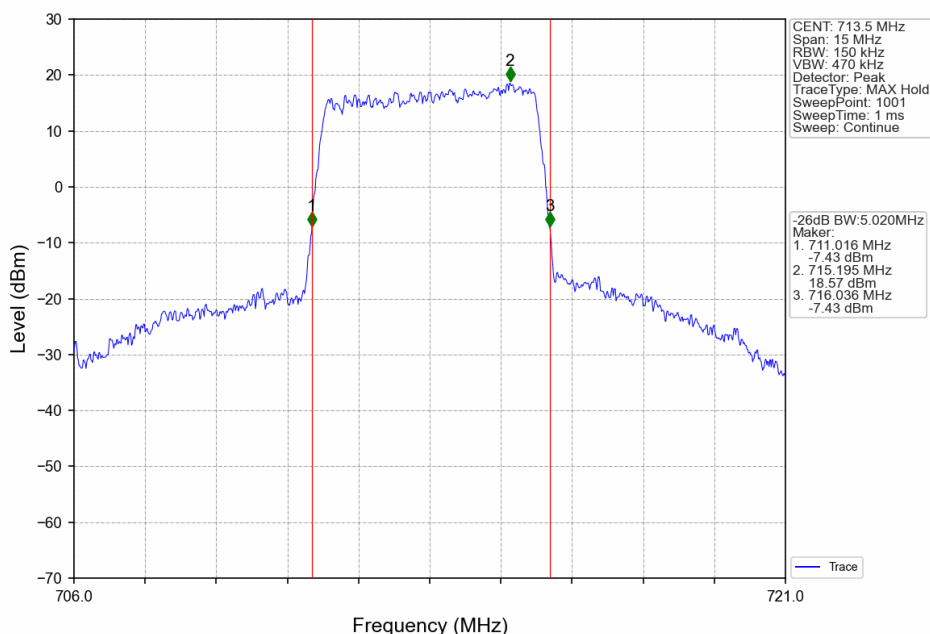
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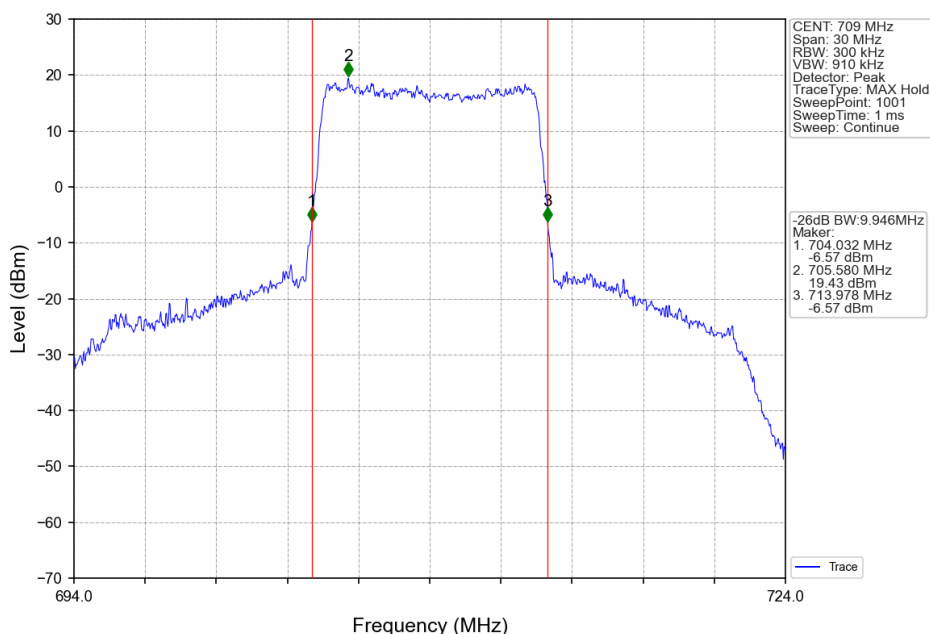
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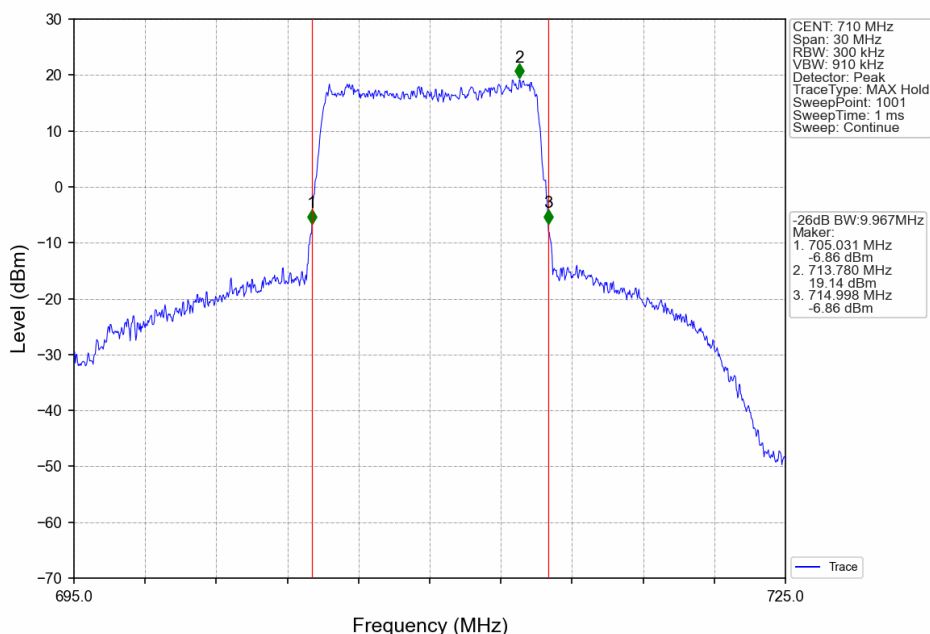
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Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



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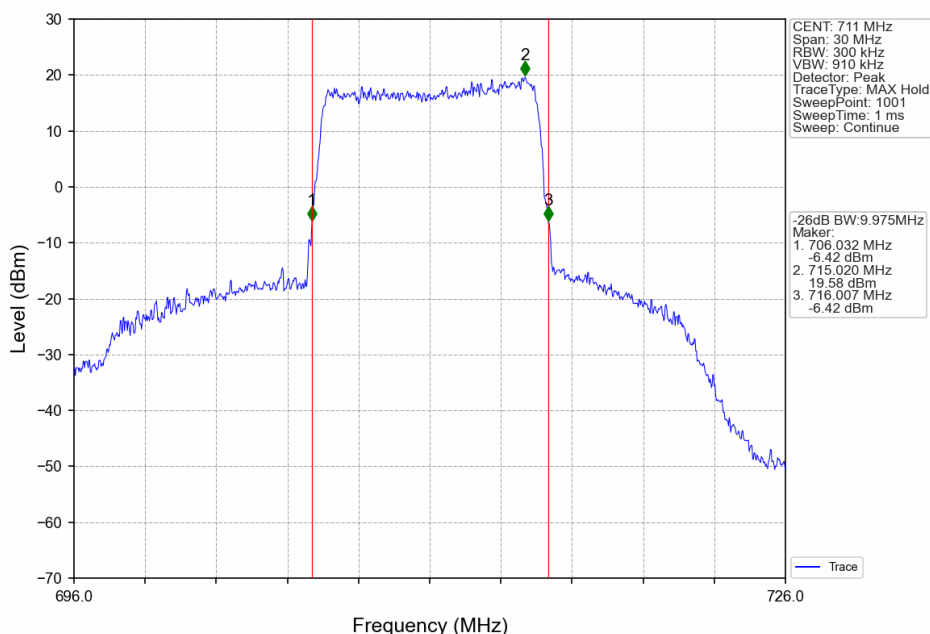
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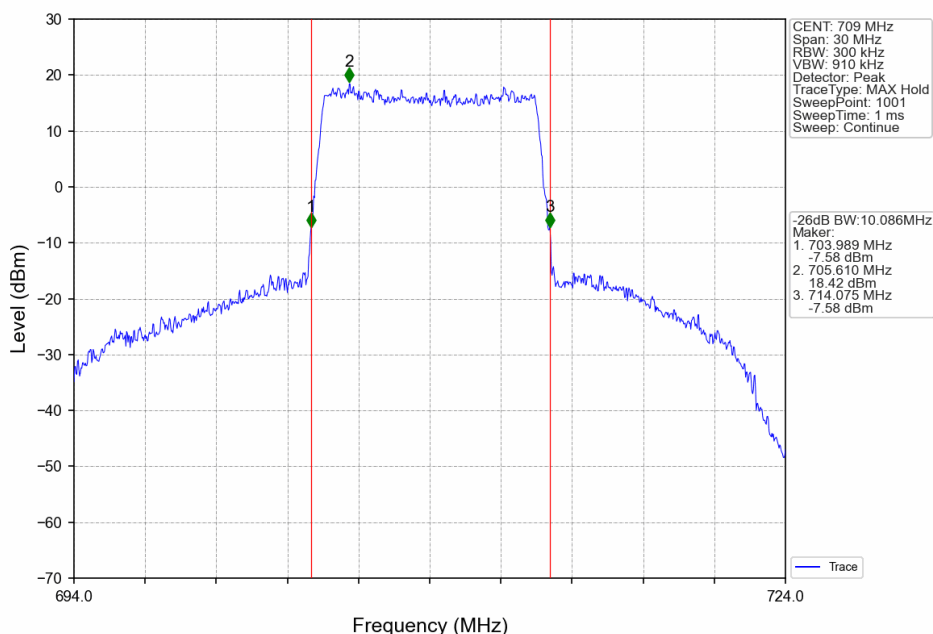
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Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



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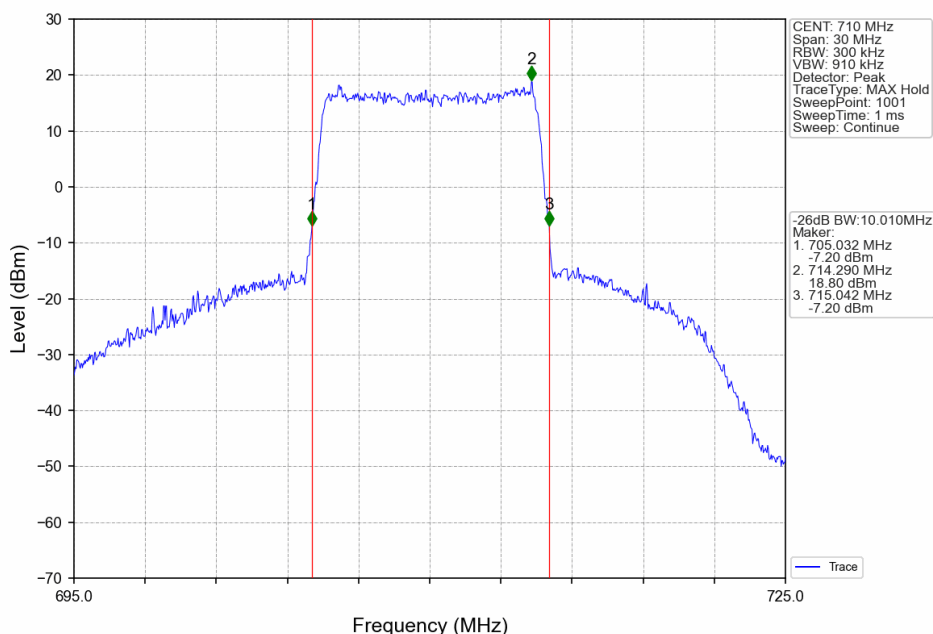
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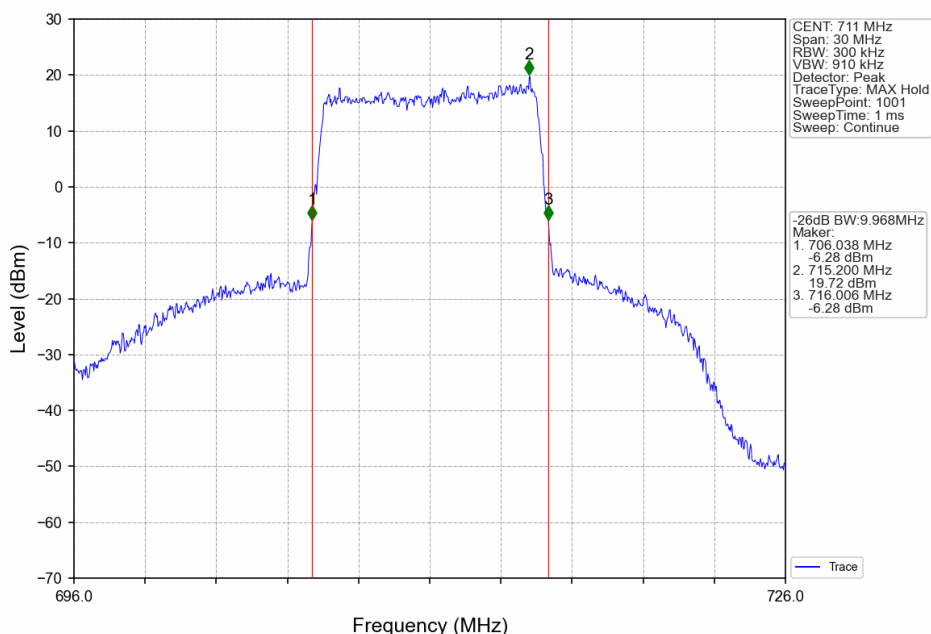
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4. Peak-Average Ratio

4.1 B17_5MHz

4.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.42	<=13	Pass
	710	25	0	5.71	<=13	Pass
	713.5	25	0	5.82	<=13	Pass
16QAM	706.5	25	0	6.17	<=13	Pass
	710	25	0	6.48	<=13	Pass
	713.5	25	0	6.59	<=13	Pass



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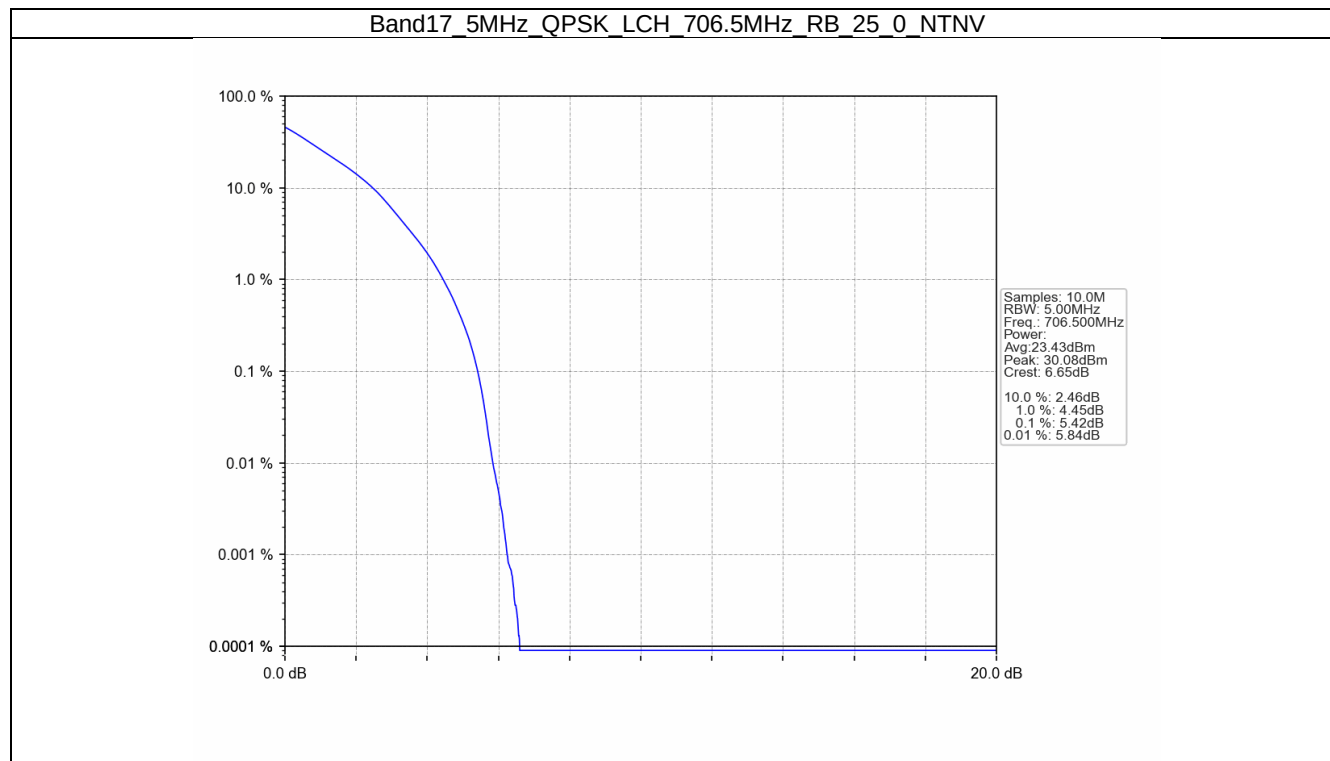
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4.1.2 Test Graph



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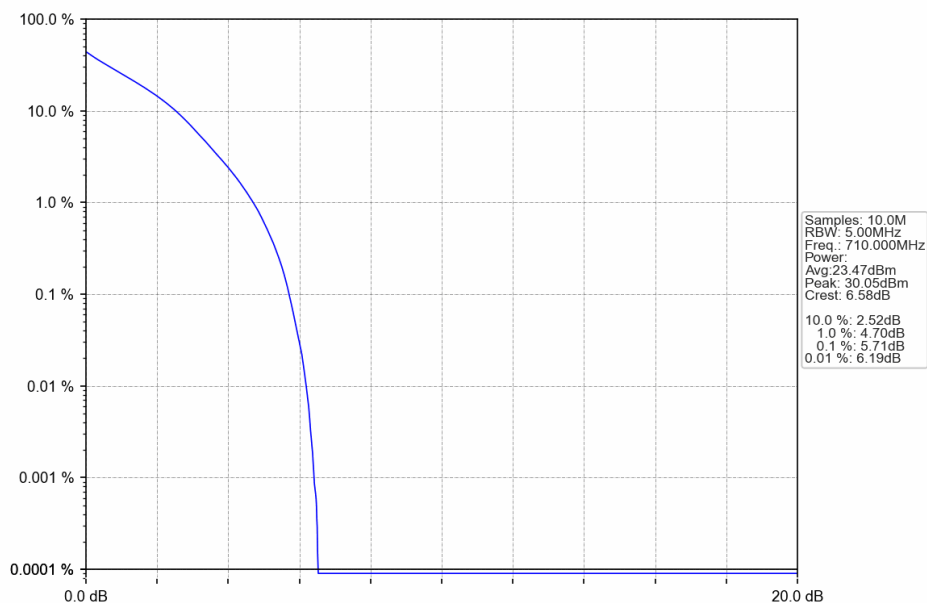
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Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



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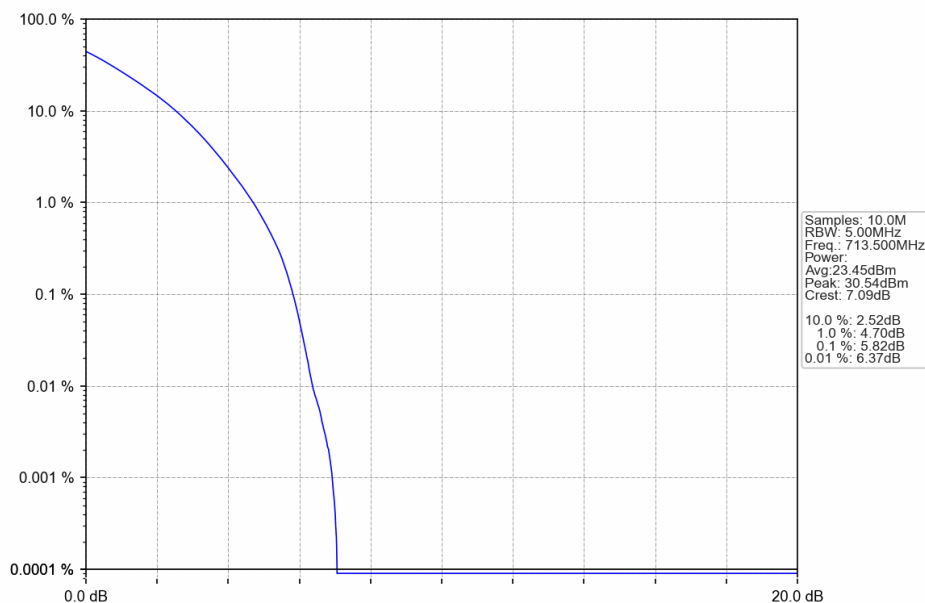
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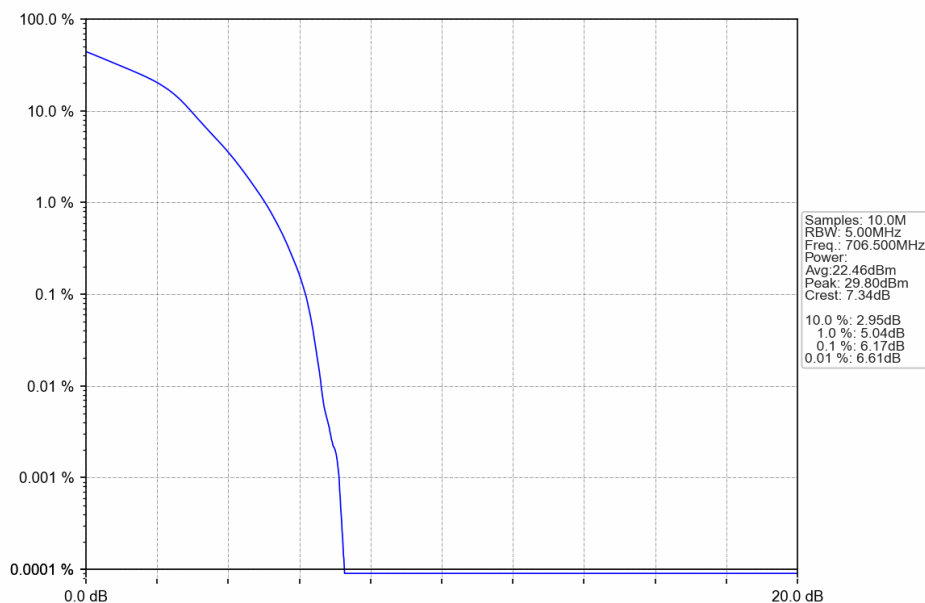
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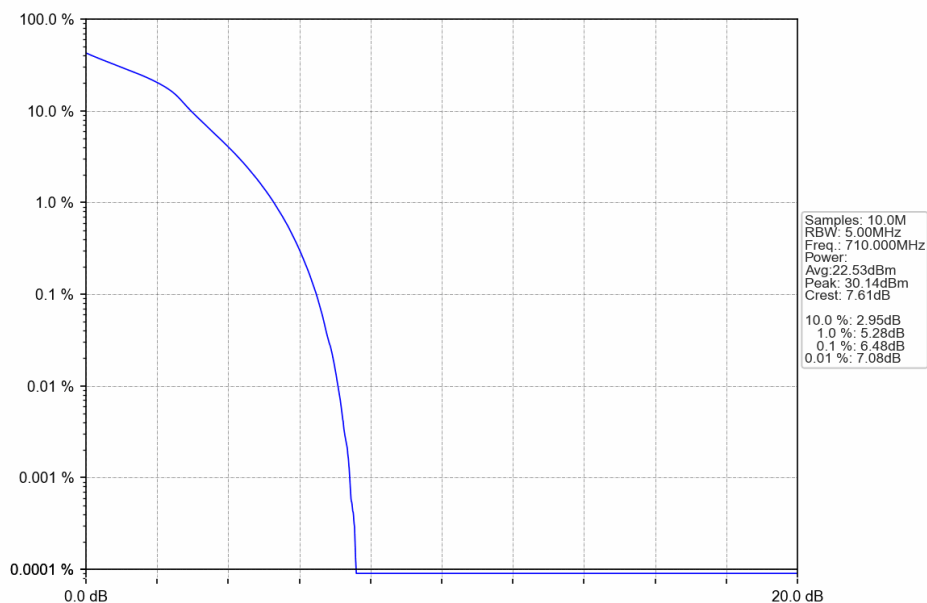
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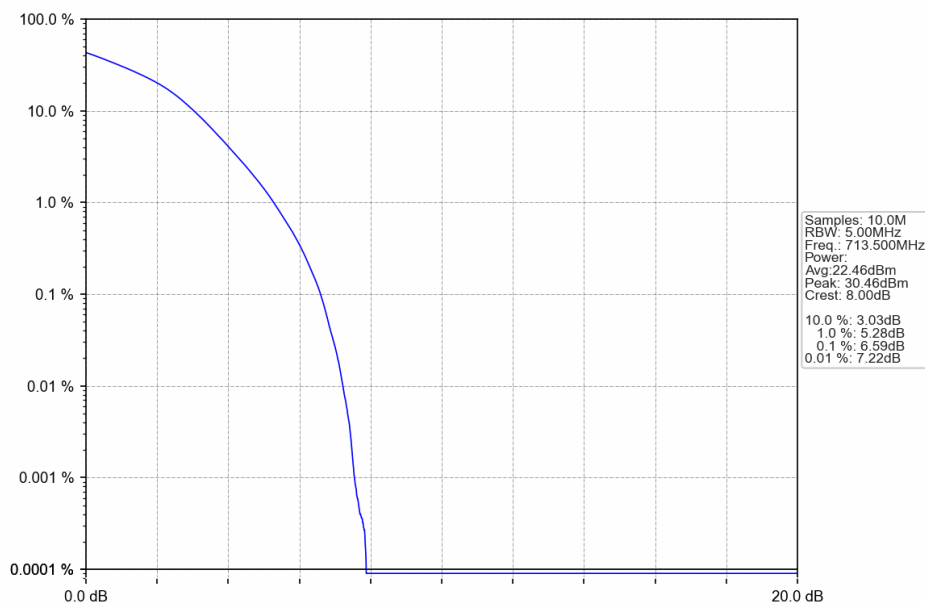
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4.2 B17_10MHz

4.2.1 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	5.69	<=13	Pass
	710	50	0	5.75	<=13	Pass
	711	50	0	5.73	<=13	Pass
16QAM	709	50	0	6.44	<=13	Pass
	710	50	0	6.53	<=13	Pass
	711	50	0	6.54	<=13	Pass



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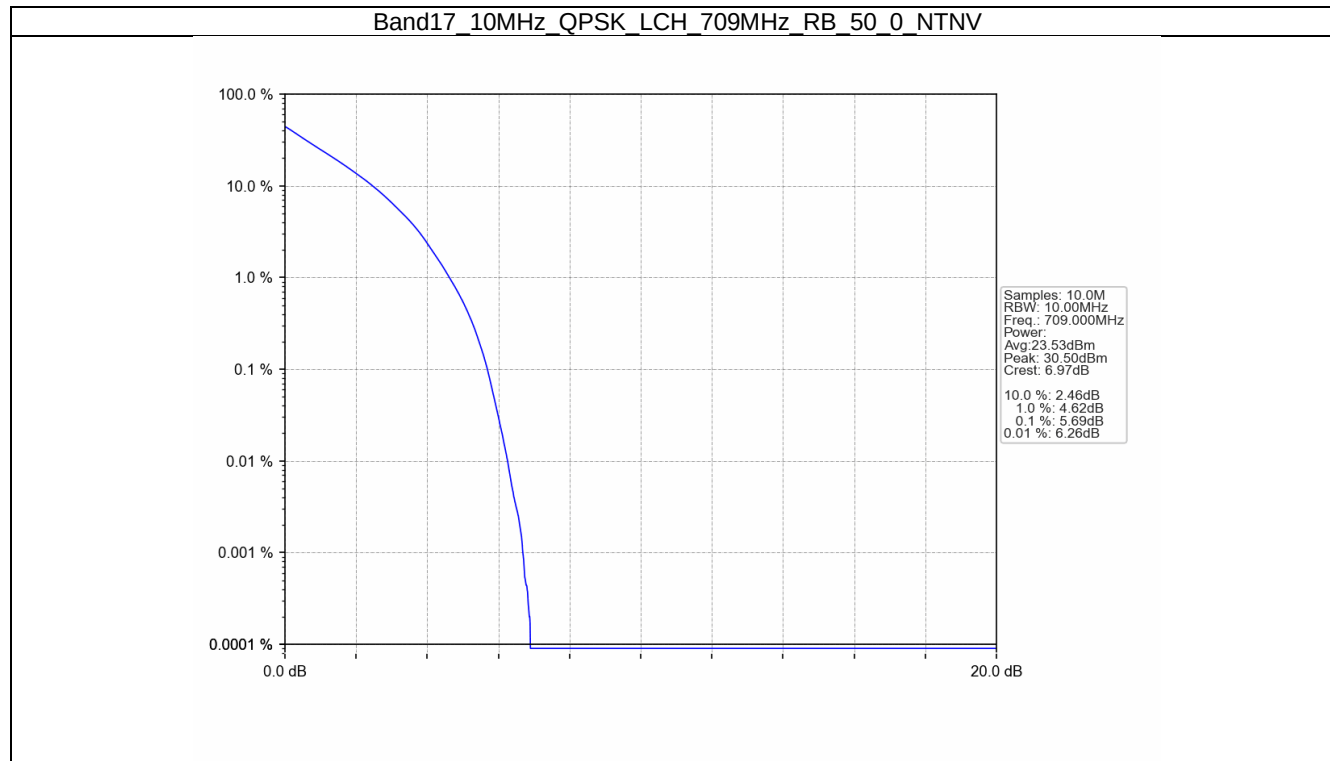
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4.2.2 Test Graph



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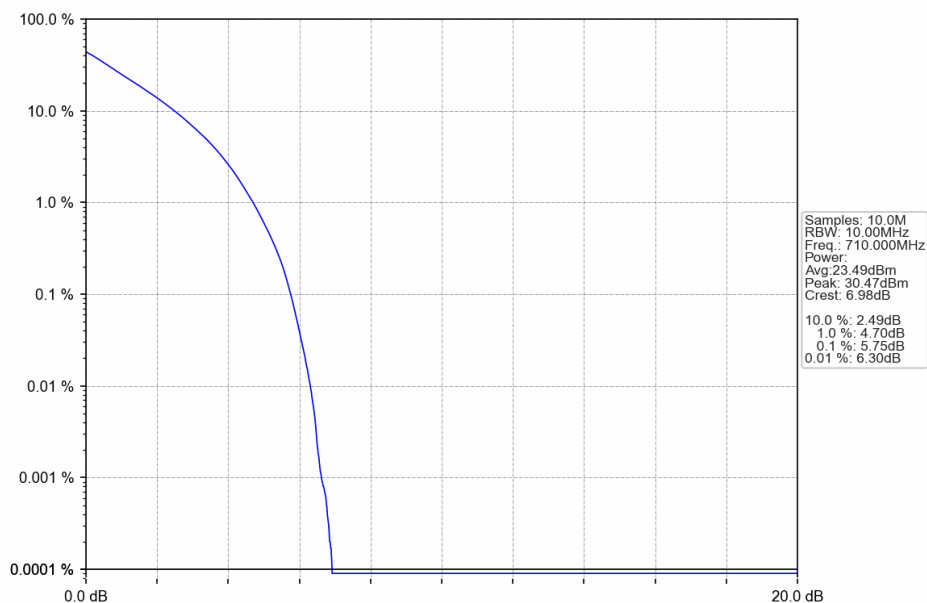
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Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



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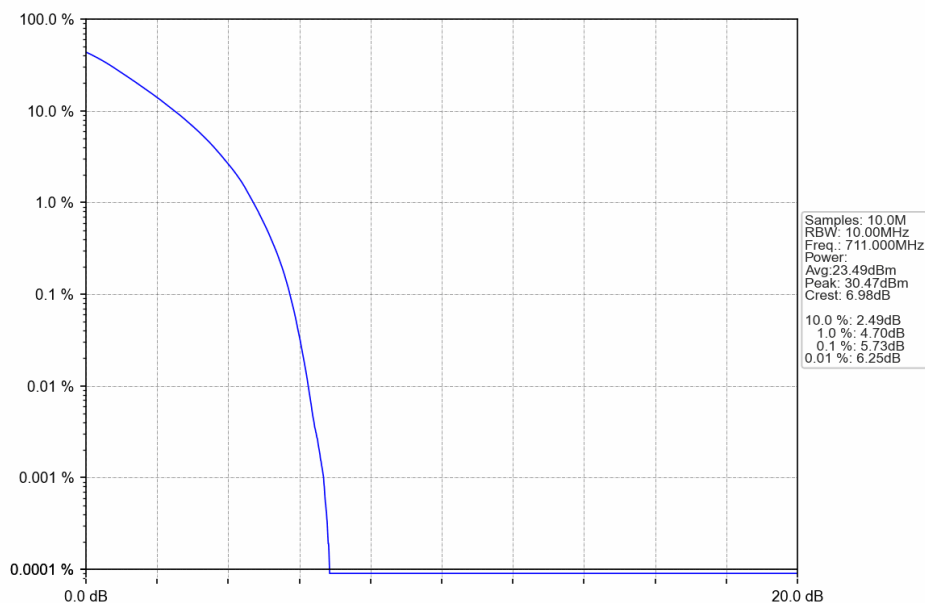
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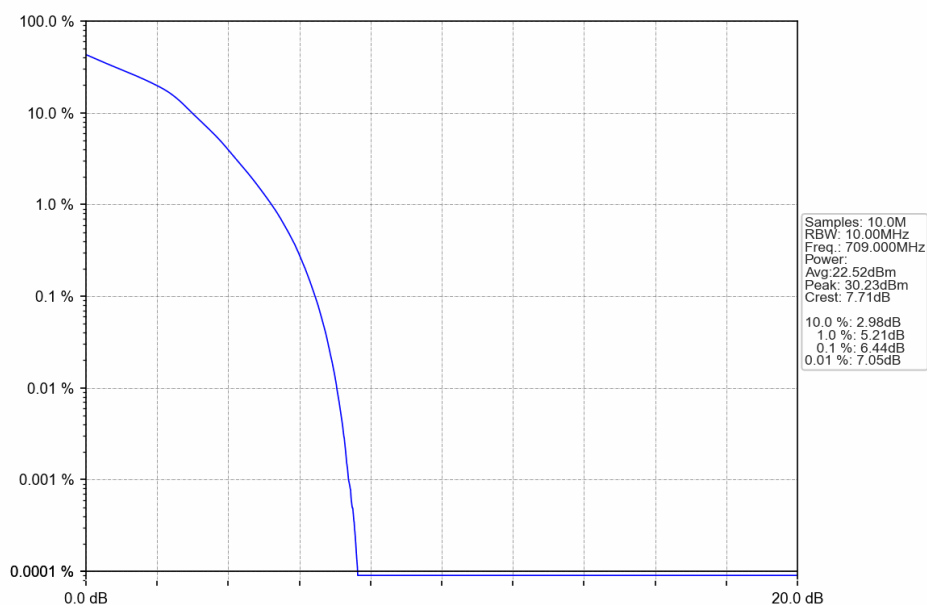
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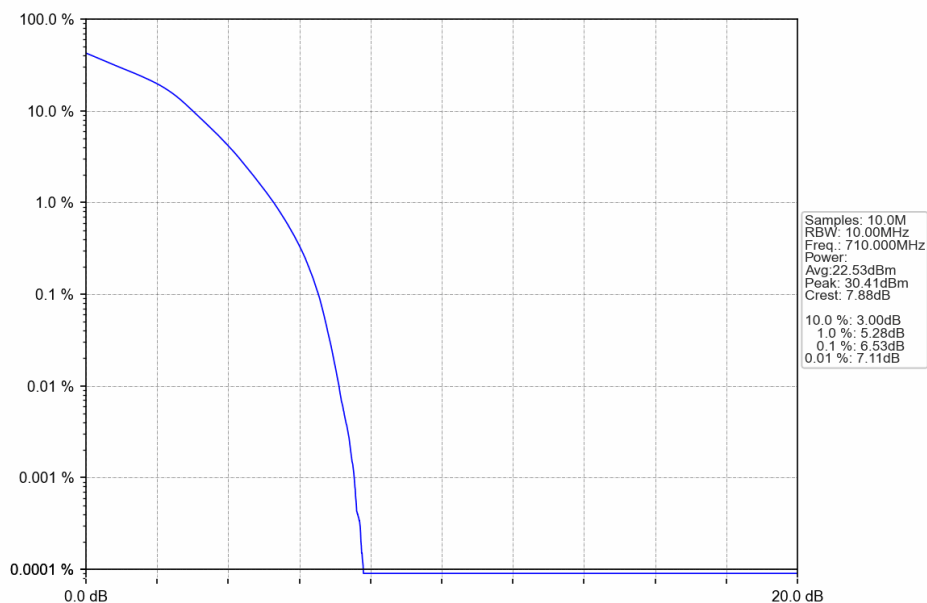
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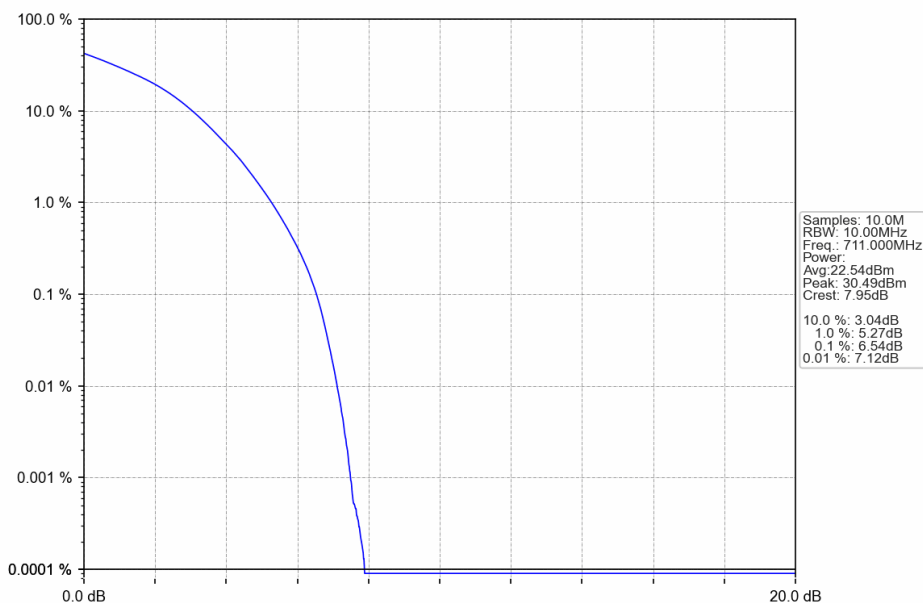
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5. Spurious Emission & Band Edge

5.1 B17_5MHz

5.1.1 Test Result

Band: 17 / Bandwidth: 5MHz / NTN						
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



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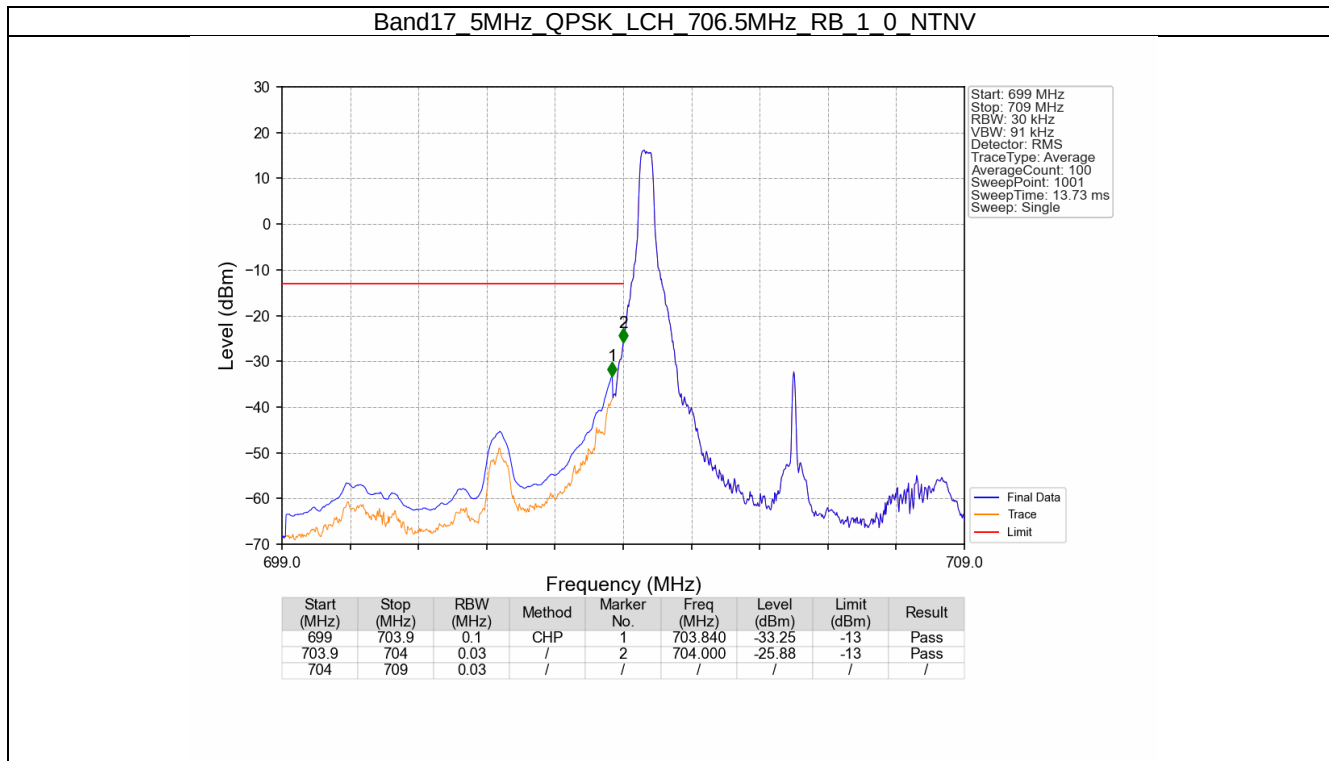
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5.1.2 Test Graph



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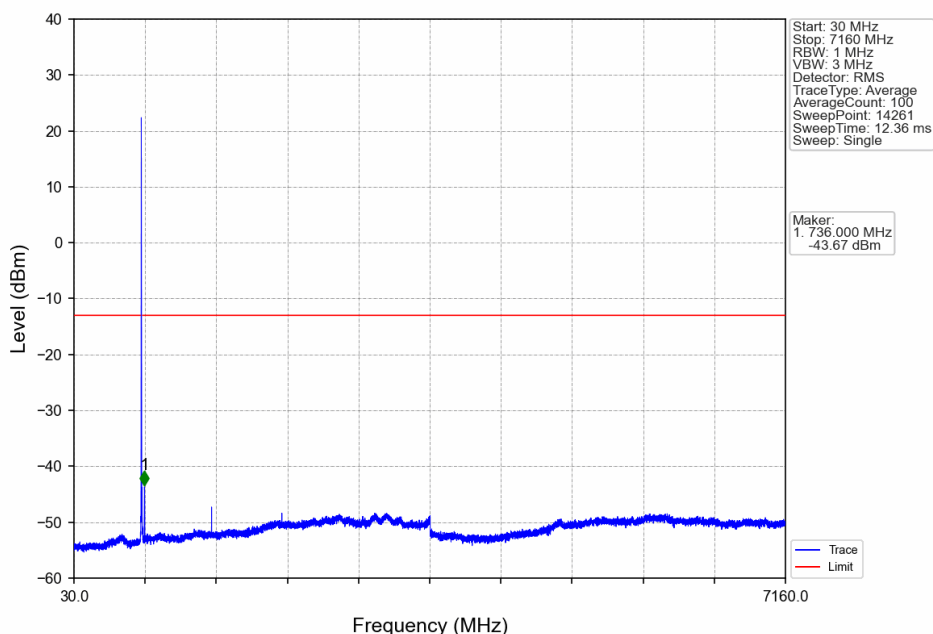
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Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



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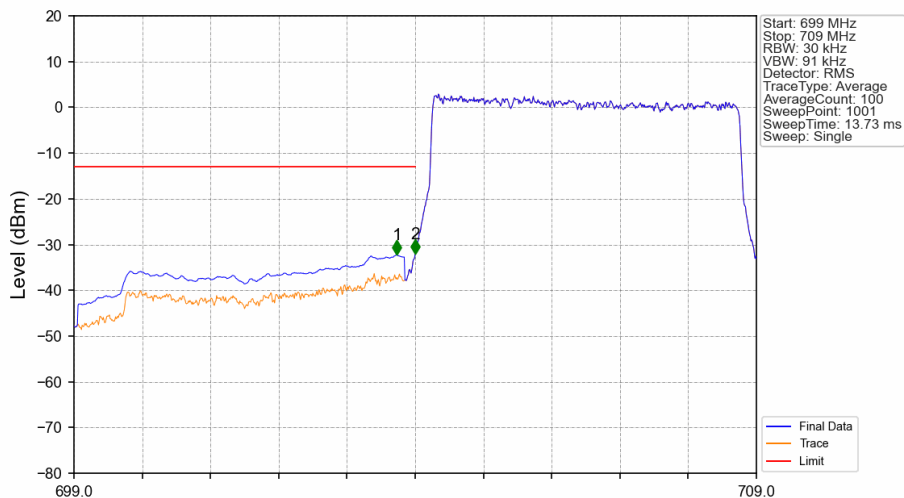
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.730	-32.22	-13	Pass
703.9	704	0.03	/	2	704.000	-32.06	-13	Pass
704	709	0.03	/	/	/	/	/	/



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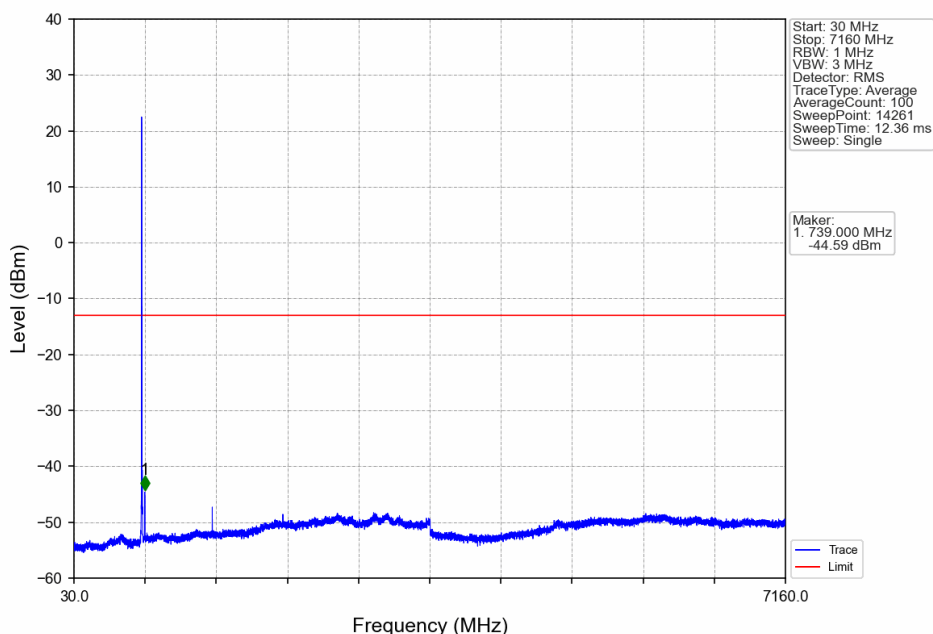
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Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



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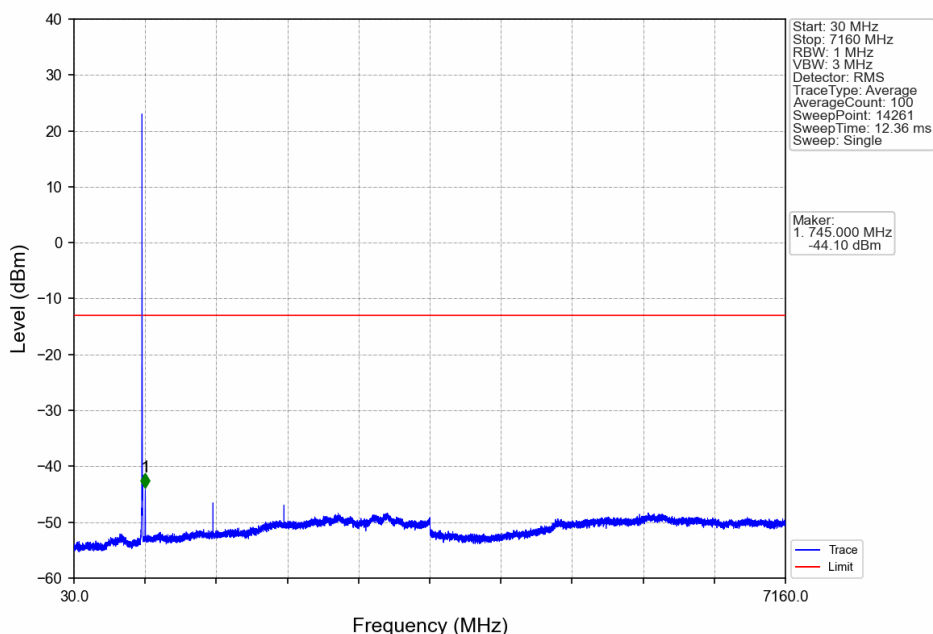
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Band17 5MHz QPSK HCH 713.5MHz_RB_1_0 NTN



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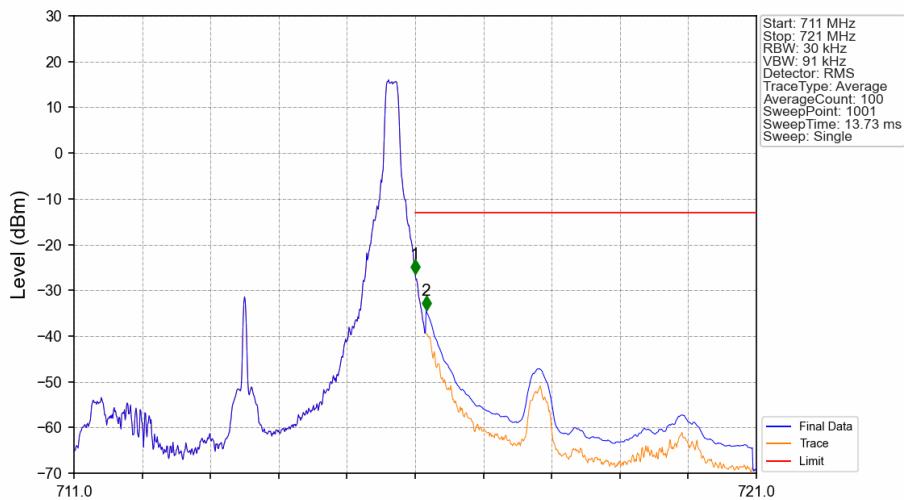
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Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



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	-26.51	-13	Pass
716.1	721	0.1	CHP	2	716.160	-34.40	-13	Pass



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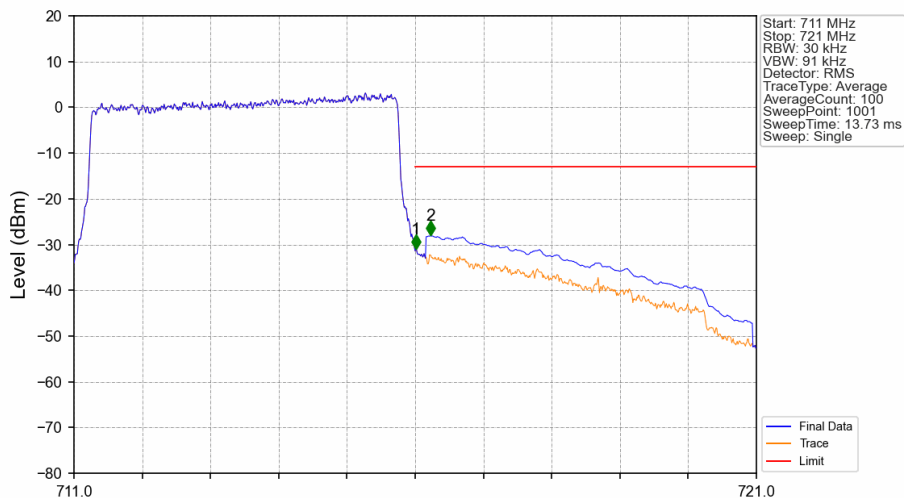
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Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



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	-30.94	-13	Pass
716.1	721	0.1	CHP	2	716.230	-28.05	-13	Pass



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5.2 B17_10MHz

5.2.1 Test Result

Band: 17 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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



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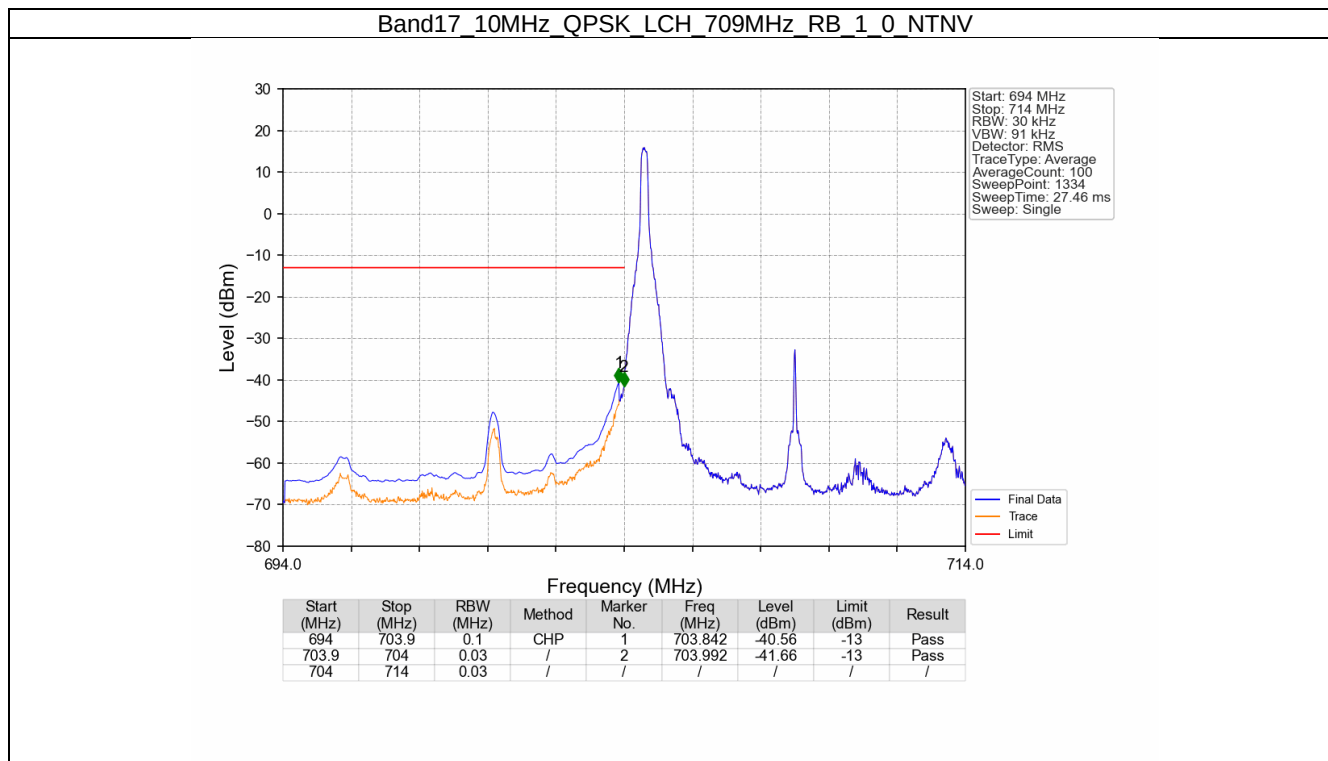
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5.2.2 Test Graph



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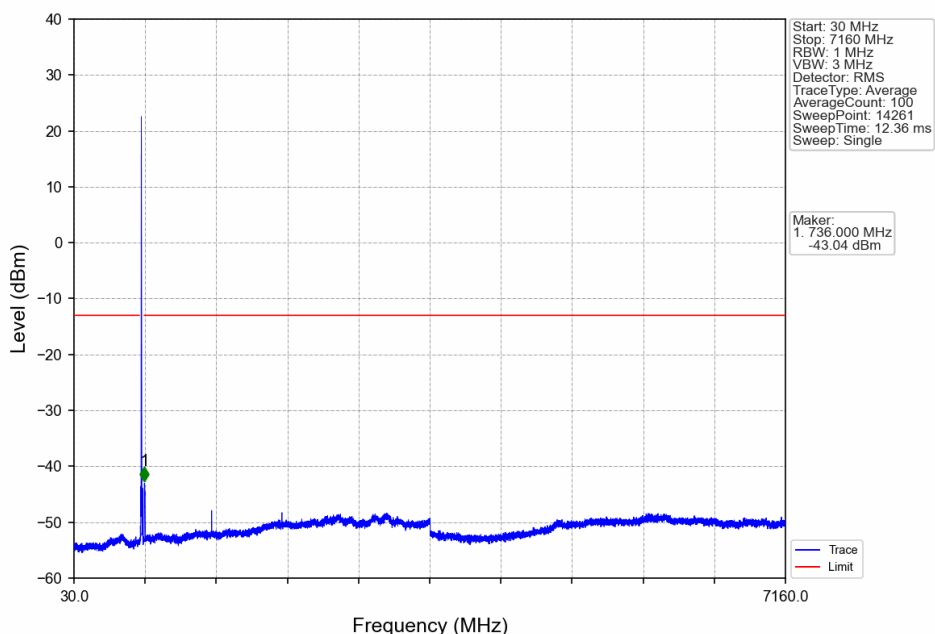
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Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



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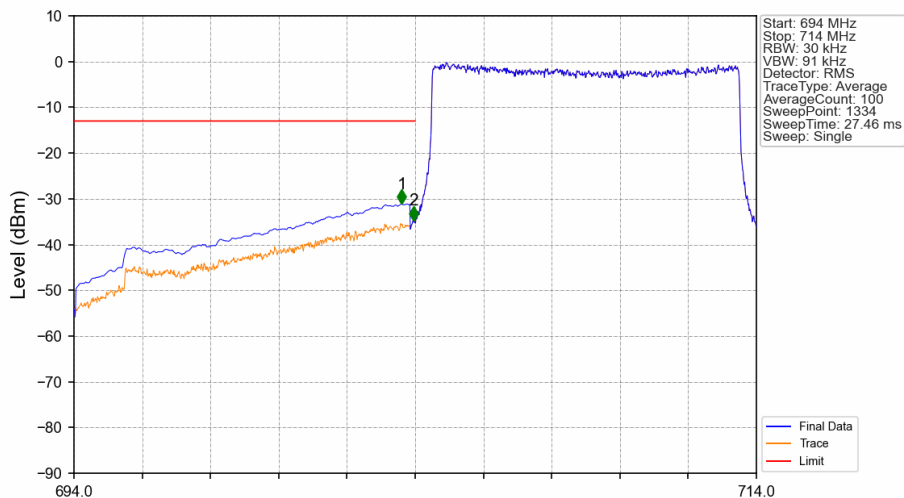
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Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.602	-31.10	-13	Pass
703.9	704	0.03	/	2	703.962	-34.73	-13	Pass
704	714	0.03	/	/	/	/	/	/



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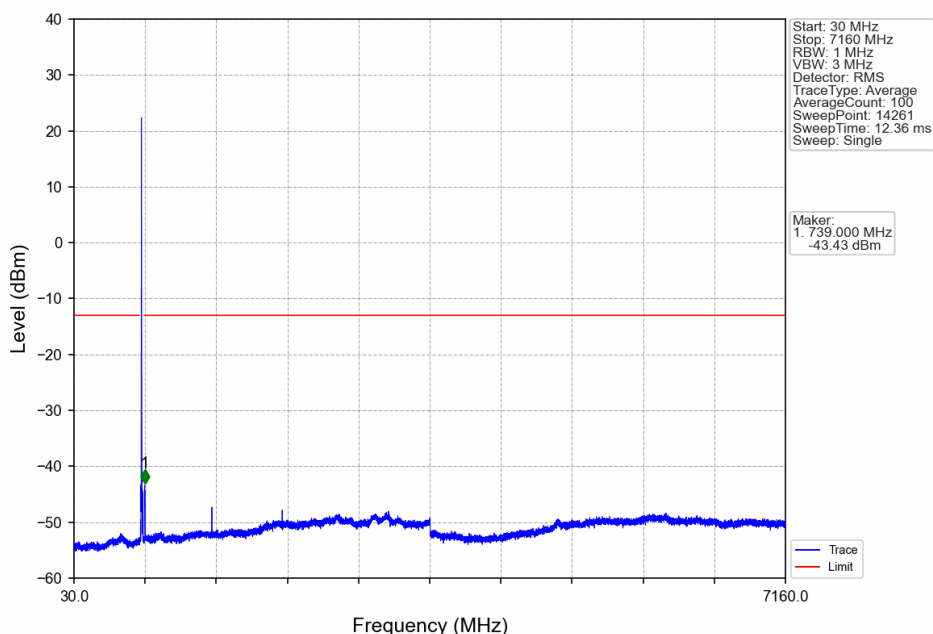
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Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



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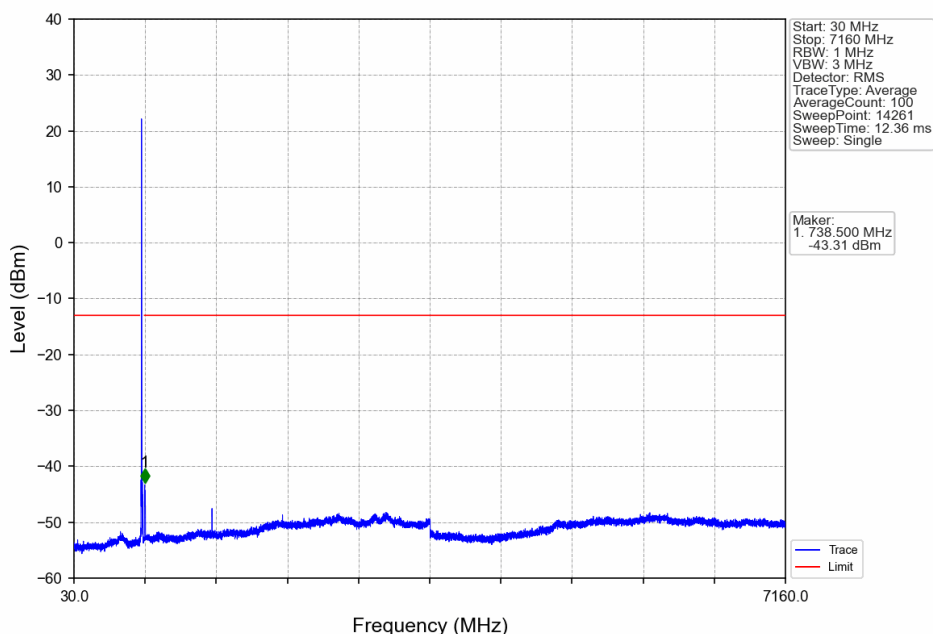
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Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



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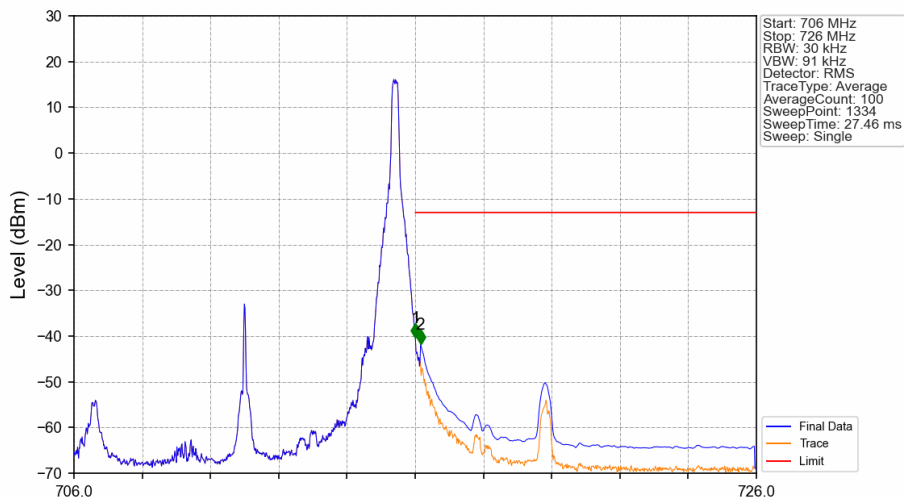
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Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



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	-40.42	-13	Pass
716.1	726	0.1	CHP	2	716.158	-41.86	-13	Pass



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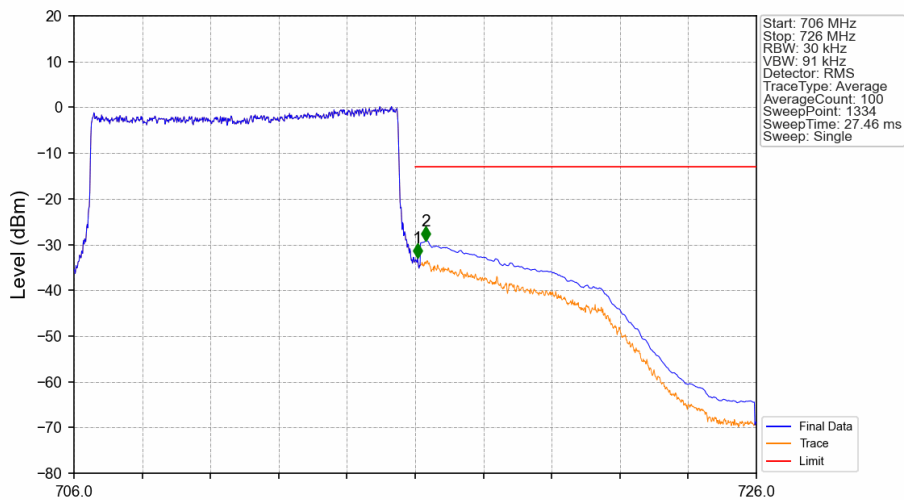
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Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



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	716.068	-32.99	-13	Pass
716.1	726	0.1	CHP	2	716.308	-29.15	-13	Pass



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6. Field Strength of Spurious Radiation

Test Band = LTE Band 17_ TM1

Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1409.18	44.24	-47.27	25.08	-73.21	-13.00	60.21	Horizontal
2	2113.77	44.66	-45.68	26.55	-69.73	-13.00	56.73	Horizontal
3	2818.36	35.88	-44.39	28.74	-75.03	-13.00	62.03	Horizontal
4	3522.95	35.03	-43.30	29.68	-73.85	-13.00	60.85	Horizontal
5	4227.54	33.78	-42.33	31.66	-72.15	-13.00	59.15	Horizontal
6	4932.13	34.91	-41.41	33.05	-68.71	-13.00	55.71	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1409.18	40.89	-47.27	25.08	-76.56	-13.00	63.56	Vertical
2	2113.77	37.82	-45.68	26.55	-76.57	-13.00	63.57	Vertical
3	2818.36	35.94	-44.39	28.74	-74.97	-13.00	61.97	Vertical
4	3522.95	35.02	-43.30	29.68	-73.86	-13.00	60.86	Vertical
5	4227.54	34.34	-42.33	31.66	-71.59	-13.00	58.59	Vertical
6	4932.13	34.49	-41.41	33.05	-69.13	-13.00	56.13	Vertical



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Test Band = LTE Band 17_ TM1

Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1411.18	48.55	-47.27	25.07	-68.90	-13.00	55.90	Horizontal
2	2116.77	44.60	-45.67	26.56	-69.78	-13.00	56.78	Horizontal
3	2822.36	35.98	-44.38	28.76	-74.91	-13.00	61.91	Horizontal
4	3527.95	35.75	-43.30	29.70	-73.11	-13.00	60.11	Horizontal
5	4233.54	34.54	-42.32	31.67	-71.37	-13.00	58.37	Horizontal
6	4939.13	34.68	-41.39	33.07	-68.91	-13.00	55.91	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1411.18	41.03	-47.27	25.07	-76.42	-13.00	63.42	Vertical
2	2116.77	38.99	-45.67	26.56	-75.39	-13.00	62.39	Vertical
3	2822.36	35.52	-44.38	28.76	-75.37	-13.00	62.37	Vertical
4	3527.95	35.48	-43.30	29.70	-73.38	-13.00	60.38	Vertical
5	4233.54	34.49	-42.32	31.67	-71.42	-13.00	58.42	Vertical
6	4939.13	35.53	-41.39	33.07	-68.06	-13.00	55.06	Vertical



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Test Band = LTE Band 17_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	51.62	-47.26	25.07	-65.84	-13.00	52.84	Horizontal
2	2119.77	44.19	-45.67	26.56	-70.18	-13.00	57.18	Horizontal
3	2826.36	35.54	-44.37	28.77	-75.32	-13.00	62.32	Horizontal
4	3532.95	34.79	-43.29	29.71	-74.05	-13.00	61.05	Horizontal
5	4239.54	34.86	-42.32	31.68	-71.03	-13.00	58.03	Horizontal
6	4946.13	34.25	-41.38	33.08	-69.31	-13.00	56.31	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1413.18	43.65	-47.26	25.07	-73.81	-13.00	60.81	Vertical
2	2119.77	38.17	-45.67	26.56	-76.20	-13.00	63.20	Vertical
3	2826.36	35.49	-44.37	28.77	-75.37	-13.00	62.37	Vertical
4	3532.95	34.48	-43.29	29.71	-74.36	-13.00	61.36	Vertical
5	4239.54	34.48	-42.32	31.68	-71.41	-13.00	58.41	Vertical
6	4946.13	33.70	-41.38	33.08	-69.86	-13.00	56.86	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

---End of Attachment---



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