

Appendix Test Data for LTE_band_17

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

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	22.96	0.39	21.20	<=34.77	Pass
			13	23.10	0.39	21.34	<=34.77	Pass
			24	23.03	0.39	21.27	<=34.77	Pass
		12	0	22.17	0.39	20.41	<=34.77	Pass
			6	22.16	0.39	20.40	<=34.77	Pass
			13	22.28	0.39	20.52	<=34.77	Pass
		25	0	22.26	0.39	20.50	<=34.77	Pass
	710	1	0	23.03	0.39	21.27	<=34.77	Pass
			13	23.13	0.39	21.37	<=34.77	Pass
			24	23.00	0.39	21.24	<=34.77	Pass
		12	0	21.99	0.39	20.23	<=34.77	Pass
			6	22.19	0.39	20.43	<=34.77	Pass
			13	22.18	0.39	20.42	<=34.77	Pass
		25	0	22.11	0.39	20.35	<=34.77	Pass
	713.5	1	0	22.95	0.39	21.19	<=34.77	Pass
			13	23.04	0.39	21.28	<=34.77	Pass
			24	23.01	0.39	21.25	<=34.77	Pass
		12	0	22.21	0.39	20.45	<=34.77	Pass
			6	22.23	0.39	20.47	<=34.77	Pass
			13	21.95	0.39	20.19	<=34.77	Pass
		25	0	22.12	0.39	20.36	<=34.77	Pass
16QAM	706.5	1	0	22.03	0.39	20.27	<=34.77	Pass
			13	22.12	0.39	20.36	<=34.77	Pass
			24	22.06	0.39	20.30	<=34.77	Pass
		12	0	21.24	0.39	19.48	<=34.77	Pass
			6	21.20	0.39	19.44	<=34.77	Pass
			13	21.31	0.39	19.55	<=34.77	Pass
		25	0	21.35	0.39	19.59	<=34.77	Pass
	710	1	0	22.51	0.39	20.75	<=34.77	Pass
			13	22.60	0.39	20.84	<=34.77	Pass
			24	22.46	0.39	20.70	<=34.77	Pass
		12	0	20.99	0.39	19.23	<=34.77	Pass
			6	21.17	0.39	19.41	<=34.77	Pass
			13	21.16	0.39	19.40	<=34.77	Pass
		25	0	21.14	0.39	19.38	<=34.77	Pass
	713.5	1	0	22.13	0.39	20.37	<=34.77	Pass
			13	22.28	0.39	20.52	<=34.77	Pass
			24	22.18	0.39	20.42	<=34.77	Pass
		12	0	21.23	0.39	19.47	<=34.77	Pass
			6	21.24	0.39	19.48	<=34.77	Pass
			13	20.94	0.39	19.18	<=34.77	Pass
		25	0	21.08	0.39	19.32	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

1.1.2 B17_10MHz_ERP

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	23.13	0.39	21.37	<=34.77	Pass
			25	23.21	0.39	21.45	<=34.77	Pass
			49	23.15	0.39	21.39	<=34.77	Pass
		25	0	22.14	0.39	20.38	<=34.77	Pass
			13	22.22	0.39	20.46	<=34.77	Pass
			25	22.21	0.39	20.45	<=34.77	Pass
		50	0	22.20	0.39	20.44	<=34.77	Pass
			0	23.05	0.39	21.29	<=34.77	Pass
			25	23.19	0.39	21.43	<=34.77	Pass
	710	1	49	23.16	0.39	21.40	<=34.77	Pass
			0	22.03	0.39	20.27	<=34.77	Pass
			13	22.21	0.39	20.45	<=34.77	Pass
		25	25	21.96	0.39	20.20	<=34.77	Pass
			0	22.02	0.39	20.26	<=34.77	Pass
			0	23.01	0.39	21.25	<=34.77	Pass
		50	25	23.06	0.39	21.30	<=34.77	Pass
			49	23.04	0.39	21.28	<=34.77	Pass
			0	21.92	0.39	20.16	<=34.77	Pass
	711	1	13	22.12	0.39	20.36	<=34.77	Pass
			25	21.82	0.39	20.06	<=34.77	Pass
			0	21.81	0.39	20.05	<=34.77	Pass
16QAM	709	1	0	22.52	0.39	20.76	<=34.77	Pass
			25	22.61	0.39	20.85	<=34.77	Pass
			49	22.56	0.39	20.80	<=34.77	Pass
		12	0	22.12	0.39	20.36	<=34.77	Pass
			19	22.21	0.39	20.45	<=34.77	Pass
			38	22.07	0.39	20.31	<=34.77	Pass
		27	0	21.16	0.39	19.40	<=34.77	Pass
			0	22.05	0.39	20.29	<=34.77	Pass
			25	22.14	0.39	20.38	<=34.77	Pass
	710	1	49	22.10	0.39	20.34	<=34.77	Pass
			0	22.08	0.39	20.32	<=34.77	Pass
			19	22.18	0.39	20.42	<=34.77	Pass
		12	38	21.97	0.39	20.21	<=34.77	Pass
			0	21.02	0.39	19.26	<=34.77	Pass
			0	22.14	0.39	20.38	<=34.77	Pass
		27	25	22.17	0.39	20.41	<=34.77	Pass
			49	22.21	0.39	20.45	<=34.77	Pass
			0	22.00	0.39	20.24	<=34.77	Pass
	711	1	19	22.14	0.39	20.38	<=34.77	Pass
			38	21.96	0.39	20.20	<=34.77	Pass
			23	20.80	0.39	19.04	<=34.77	Pass

Note1: ERP=Conducted Power+Antenna Gain-2.15

2. Frequency Stability

2.1 Test Result

2.1.1 B17_5MHz

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	3.15	-7.210	-0.0102	-2.5 to 2.5	Pass
					3.70	-7.124	-0.0101	-2.5 to 2.5	Pass
					4.26	-8.869	-0.0126	-2.5 to 2.5	Pass
				-30	3.70	-10.228	-0.0145	-2.5 to 2.5	Pass
				-20	3.70	-6.294	-0.0089	-2.5 to 2.5	Pass
				-10	3.70	-4.849	-0.0069	-2.5 to 2.5	Pass
				0	3.70	-5.121	-0.0072	-2.5 to 2.5	Pass
				10	3.70	-5.436	-0.0077	-2.5 to 2.5	Pass
				30	3.70	-4.921	-0.0070	-2.5 to 2.5	Pass
				40	3.70	-10.715	-0.0152	-2.5 to 2.5	Pass
				50	3.70	-4.392	-0.0062	-2.5 to 2.5	Pass
	710	25	0	20	3.15	-4.964	-0.0070	-2.5 to 2.5	Pass
					3.70	-4.992	-0.0070	-2.5 to 2.5	Pass
					4.26	-10.486	-0.0148	-2.5 to 2.5	Pass
				-30	3.70	-7.925	-0.0112	-2.5 to 2.5	Pass
				-20	3.70	-5.164	-0.0073	-2.5 to 2.5	Pass
				-10	3.70	-7.997	-0.0113	-2.5 to 2.5	Pass
				0	3.70	-4.392	-0.0062	-2.5 to 2.5	Pass
				10	3.70	-7.138	-0.0101	-2.5 to 2.5	Pass
				30	3.70	-6.537	-0.0092	-2.5 to 2.5	Pass
				40	3.70	-8.254	-0.0116	-2.5 to 2.5	Pass
				50	3.70	-5.322	-0.0075	-2.5 to 2.5	Pass
	713.5	25	0	20	3.15	-5.965	-0.0084	-2.5 to 2.5	Pass
					3.70	-8.140	-0.0114	-2.5 to 2.5	Pass
					4.26	-5.579	-0.0078	-2.5 to 2.5	Pass
				-30	3.70	-3.347	-0.0047	-2.5 to 2.5	Pass
				-20	3.70	-5.865	-0.0082	-2.5 to 2.5	Pass
				-10	3.70	-7.639	-0.0107	-2.5 to 2.5	Pass
				0	3.70	-8.926	-0.0125	-2.5 to 2.5	Pass
				10	3.70	-6.623	-0.0093	-2.5 to 2.5	Pass
				30	3.70	-8.597	-0.0120	-2.5 to 2.5	Pass
				40	3.70	-7.210	-0.0101	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.15	-4.892	-0.0069	-2.5 to 2.5	Pass
					3.70	-3.419	-0.0048	-2.5 to 2.5	Pass
					4.26	-6.866	-0.0097	-2.5 to 2.5	Pass
				-30	3.70	-6.437	-0.0091	-2.5 to 2.5	Pass
				-20	3.70	-6.537	-0.0093	-2.5 to 2.5	Pass
				-10	3.70	-6.466	-0.0092	-2.5 to 2.5	Pass
				0	3.70	-6.680	-0.0095	-2.5 to 2.5	Pass
				10	3.70	-6.094	-0.0086	-2.5 to 2.5	Pass
				30	3.70	-6.409	-0.0091	-2.5 to 2.5	Pass
				40	3.70	-10.257	-0.0145	-2.5 to 2.5	Pass
				50	3.70	-4.935	-0.0070	-2.5 to 2.5	Pass
	710	25	0	20	3.15	-7.811	-0.0110	-2.5 to 2.5	Pass
					3.70	-2.418	-0.0034	-2.5 to 2.5	Pass
					4.26	-4.892	-0.0069	-2.5 to 2.5	Pass
				-30	3.70	-5.879	-0.0083	-2.5 to 2.5	Pass
				-20	3.70	-8.969	-0.0126	-2.5 to 2.5	Pass
				-10	3.70	-4.864	-0.0069	-2.5 to 2.5	Pass

				0	3.70	-7.553	-0.0106	-2.5 to 2.5	Pass
				10	3.70	-5.836	-0.0082	-2.5 to 2.5	Pass
				30	3.70	-3.276	-0.0046	-2.5 to 2.5	Pass
				40	3.70	-4.864	-0.0069	-2.5 to 2.5	Pass
				50	3.70	-7.181	-0.0101	-2.5 to 2.5	Pass
	713.5	25	0	20	3.15	-4.649	-0.0065	-2.5 to 2.5	Pass
					3.70	-7.024	-0.0098	-2.5 to 2.5	Pass
					4.26	-5.937	-0.0083	-2.5 to 2.5	Pass
				-30	3.70	-8.698	-0.0122	-2.5 to 2.5	Pass
				-20	3.70	-7.868	-0.0110	-2.5 to 2.5	Pass
				-10	3.70	-6.108	-0.0086	-2.5 to 2.5	Pass
				0	3.70	-5.150	-0.0072	-2.5 to 2.5	Pass
				10	3.70	-11.444	-0.0160	-2.5 to 2.5	Pass
				30	3.70	-8.240	-0.0115	-2.5 to 2.5	Pass
				40	3.70	-3.419	-0.0048	-2.5 to 2.5	Pass
				50	3.70	-7.710	-0.0108	-2.5 to 2.5	Pass

2.1.2 B17_10MHz

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	3.15	-6.523	-0.0092	-2.5 to 2.5	Pass
					3.70	-6.881	-0.0097	-2.5 to 2.5	Pass
					4.26	-5.107	-0.0072	-2.5 to 2.5	Pass
				-30	3.70	-5.951	-0.0084	-2.5 to 2.5	Pass
				-20	3.70	-6.537	-0.0092	-2.5 to 2.5	Pass
				-10	3.70	-8.426	-0.0119	-2.5 to 2.5	Pass
				0	3.70	-7.524	-0.0106	-2.5 to 2.5	Pass
				10	3.70	-5.779	-0.0082	-2.5 to 2.5	Pass
				30	3.70	-7.124	-0.0100	-2.5 to 2.5	Pass
				40	3.70	-8.898	-0.0126	-2.5 to 2.5	Pass
				50	3.70	-8.883	-0.0125	-2.5 to 2.5	Pass
	710	50	0	20	3.15	-2.961	-0.0042	-2.5 to 2.5	Pass
					3.70	-9.313	-0.0131	-2.5 to 2.5	Pass
					4.26	-3.076	-0.0043	-2.5 to 2.5	Pass
				-30	3.70	-7.768	-0.0109	-2.5 to 2.5	Pass
				-20	3.70	-3.676	-0.0052	-2.5 to 2.5	Pass
				-10	3.70	-8.011	-0.0113	-2.5 to 2.5	Pass
				0	3.70	-2.890	-0.0041	-2.5 to 2.5	Pass
				10	3.70	-6.437	-0.0091	-2.5 to 2.5	Pass
				30	3.70	-7.524	-0.0106	-2.5 to 2.5	Pass
				40	3.70	-4.106	-0.0058	-2.5 to 2.5	Pass
				50	3.70	-4.878	-0.0069	-2.5 to 2.5	Pass
	711	50	0	20	3.15	-5.207	-0.0073	-2.5 to 2.5	Pass
					3.70	-6.738	-0.0095	-2.5 to 2.5	Pass
					4.26	-7.739	-0.0109	-2.5 to 2.5	Pass
				-30	3.70	-8.898	-0.0125	-2.5 to 2.5	Pass
				-20	3.70	-6.094	-0.0086	-2.5 to 2.5	Pass
				-10	3.70	-4.921	-0.0069	-2.5 to 2.5	Pass
				0	3.70	-4.363	-0.0061	-2.5 to 2.5	Pass
				10	3.70	-6.022	-0.0085	-2.5 to 2.5	Pass
				30	3.70	-10.071	-0.0142	-2.5 to 2.5	Pass
				40	3.70	-5.150	-0.0072	-2.5 to 2.5	Pass
16QAM	709	27	0	20	3.15	-8.783	-0.0124	-2.5 to 2.5	Pass
					3.70	-7.167	-0.0101	-2.5 to 2.5	Pass
					4.26	-5.350	-0.0075	-2.5 to 2.5	Pass
				-30	3.70	-8.497	-0.0120	-2.5 to 2.5	Pass
				-20	3.70	-4.377	-0.0062	-2.5 to 2.5	Pass
				-10	3.70	-8.397	-0.0118	-2.5 to 2.5	Pass
				0	3.70	-5.765	-0.0081	-2.5 to 2.5	Pass
				10	3.70	-8.383	-0.0118	-2.5 to 2.5	Pass
				30	3.70	-4.563	-0.0064	-2.5 to 2.5	Pass
				40	3.70	-9.098	-0.0128	-2.5 to 2.5	Pass
				50	3.70	-3.347	-0.0047	-2.5 to 2.5	Pass
	710	27	0	20	3.15	-5.450	-0.0077	-2.5 to 2.5	Pass
					3.70	-3.877	-0.0055	-2.5 to 2.5	Pass
					4.26	-2.947	-0.0042	-2.5 to 2.5	Pass
				-30	3.70	-5.264	-0.0074	-2.5 to 2.5	Pass
				-20	3.70	-5.121	-0.0072	-2.5 to 2.5	Pass
				-10	3.70	-8.283	-0.0117	-2.5 to 2.5	Pass
				0	3.70	-8.683	-0.0122	-2.5 to 2.5	Pass
				10	3.70	-6.166	-0.0087	-2.5 to 2.5	Pass
				30	3.70	-2.575	-0.0036	-2.5 to 2.5	Pass
				40	3.70	-5.937	-0.0084	-2.5 to 2.5	Pass
				50	3.70	-4.506	-0.0063	-2.5 to 2.5	Pass

	711	27	23	20	3.15	-7.739	-0.0109	-2.5 to 2.5	Pass
					3.70	-9.012	-0.0127	-2.5 to 2.5	Pass
					4.26	-8.283	-0.0116	-2.5 to 2.5	Pass
				-30	3.70	-10.142	-0.0143	-2.5 to 2.5	Pass
				-20	3.70	-6.795	-0.0096	-2.5 to 2.5	Pass
				-10	3.70	-7.024	-0.0099	-2.5 to 2.5	Pass
				0	3.70	-6.981	-0.0098	-2.5 to 2.5	Pass
				10	3.70	-3.862	-0.0054	-2.5 to 2.5	Pass
				30	3.70	-4.535	-0.0064	-2.5 to 2.5	Pass
				40	3.70	-5.035	-0.0071	-2.5 to 2.5	Pass
				50	3.70	-1.888	-0.0027	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

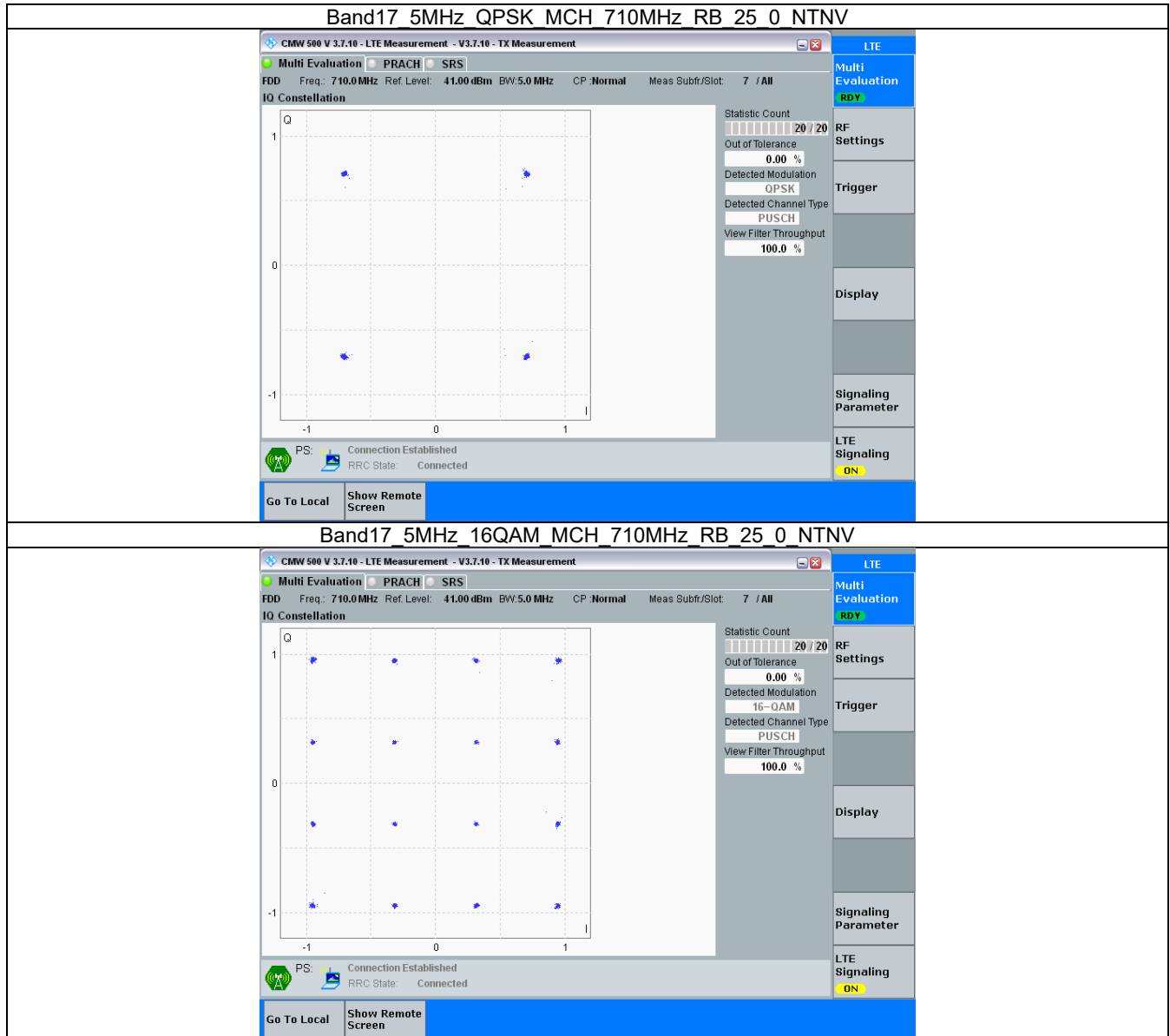
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

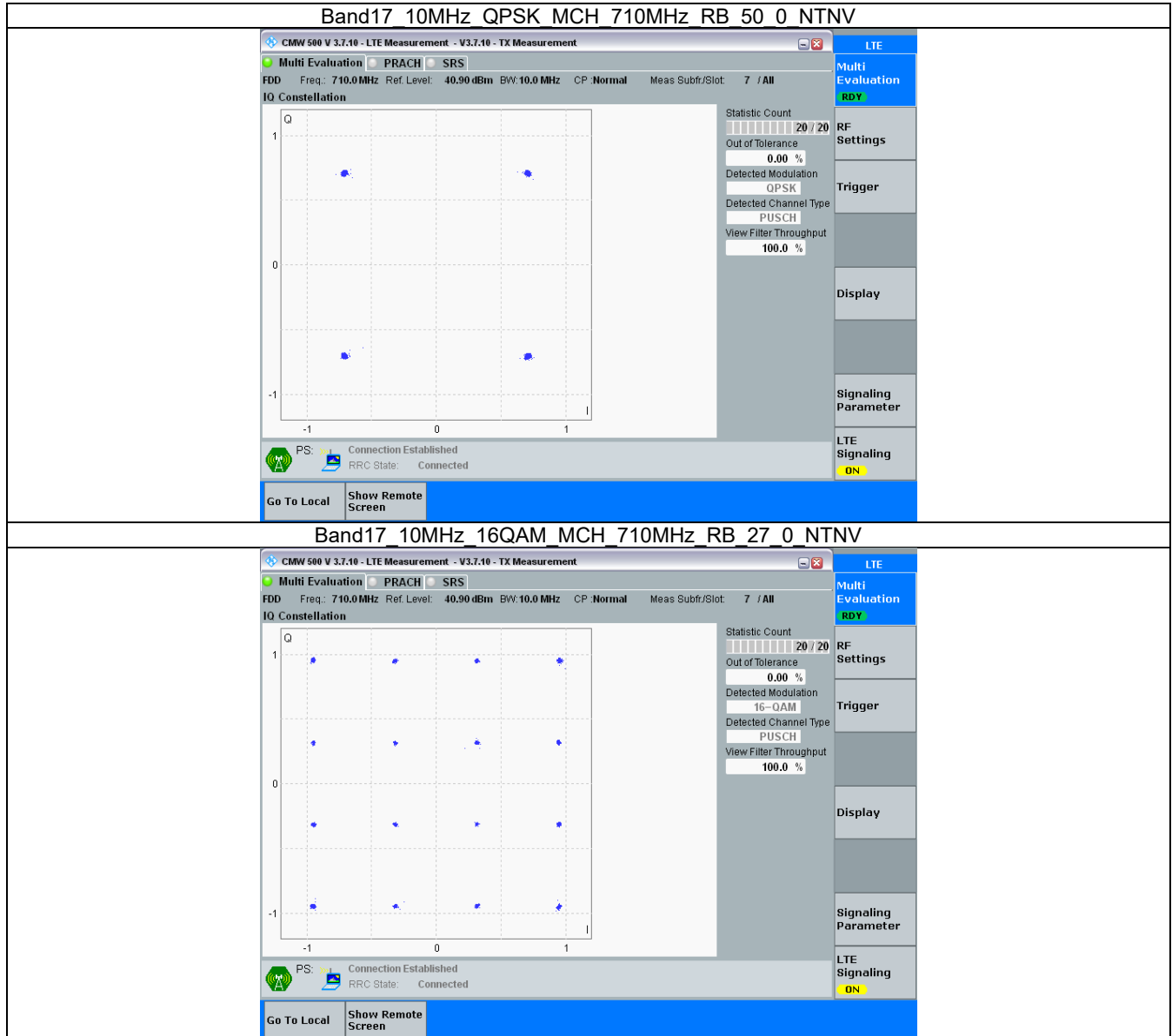
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	27	0	Refer To Test Graph		Pass

3.2 Test Graph

3.2.1 B17_5MHz



3.2.2 B17_10MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band17_OBW

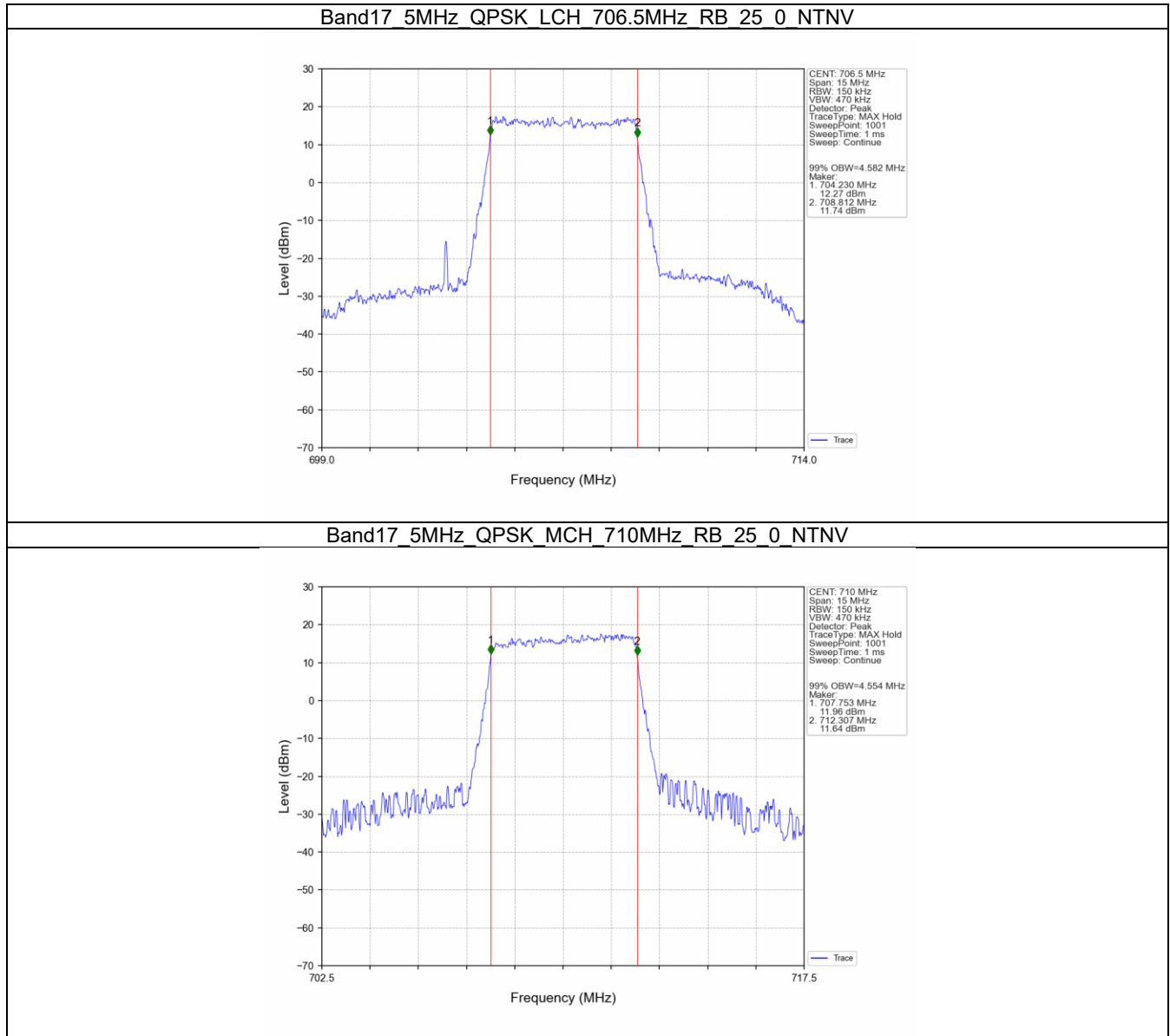
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.582	/	Pass
		710	25	0	4.554	/	Pass
		713.5	25	0	4.567	/	Pass
	16QAM	706.5	25	0	4.586	/	Pass
		710	25	0	4.565	/	Pass
		713.5	25	0	4.541	/	Pass
10	QPSK	709	50	0	9.075	/	Pass
		710	50	0	9.003	/	Pass
		711	50	0	9.011	/	Pass
	16QAM	709	27	0	5.169	/	Pass
		710	27	0	5.143	/	Pass
		711	27	23	5.063	/	Pass

4.1.2 Band17_XDB

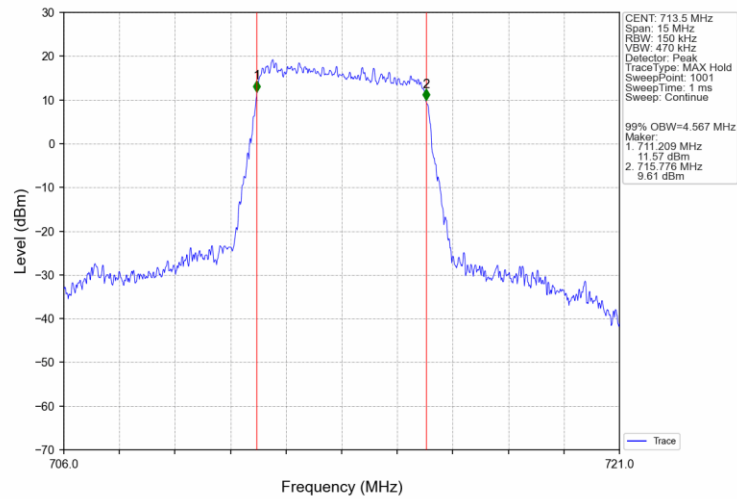
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.332	/	Pass
		710	25	0	5.243	/	Pass
		713.5	25	0	5.146	/	Pass
	16QAM	706.5	25	0	5.289	/	Pass
		710	25	0	5.243	/	Pass
		713.5	25	0	5.155	/	Pass
10	QPSK	709	50	0	10.298	/	Pass
		710	50	0	10.010	/	Pass
		711	50	0	10.005	/	Pass
	16QAM	709	27	0	6.394	/	Pass
		710	27	0	6.325	/	Pass
		711	27	23	6.114	/	Pass

4.2 Test Graph

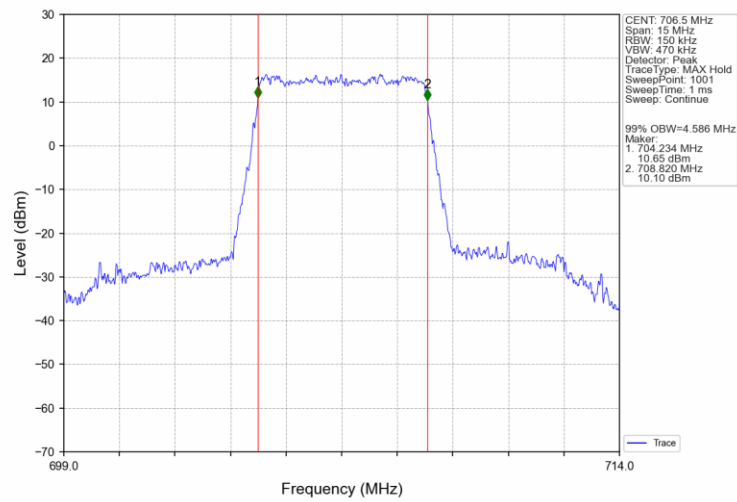
4.2.1 Band17_OBW



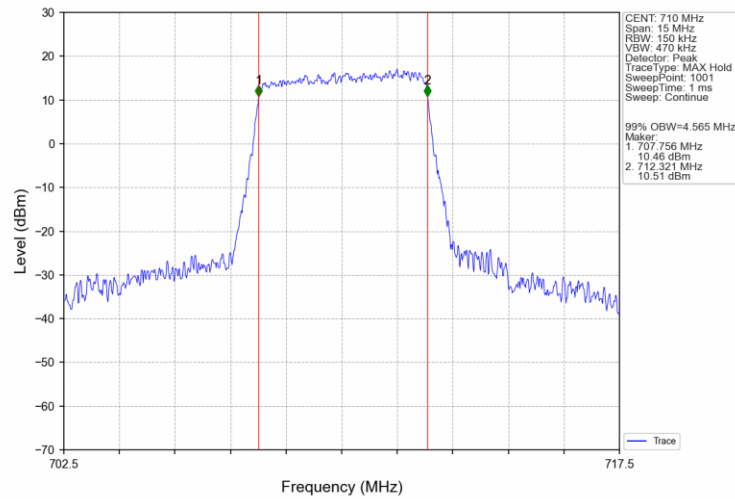
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



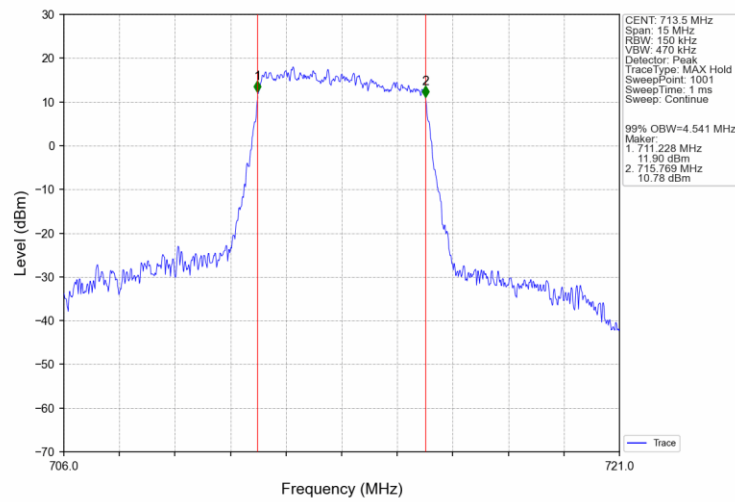
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



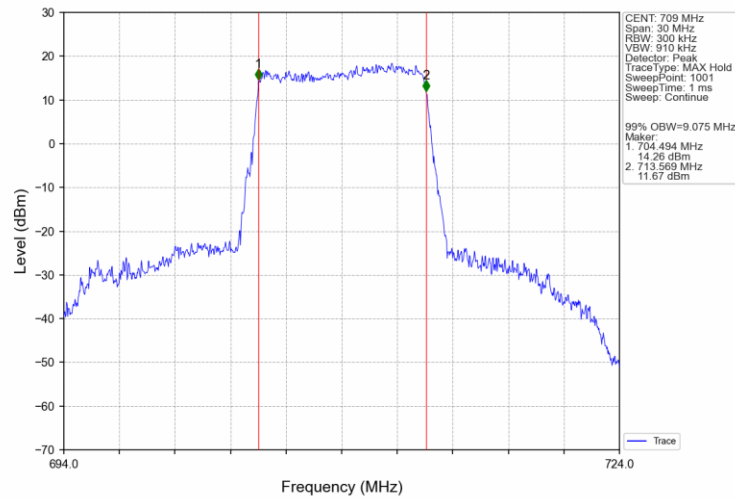
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



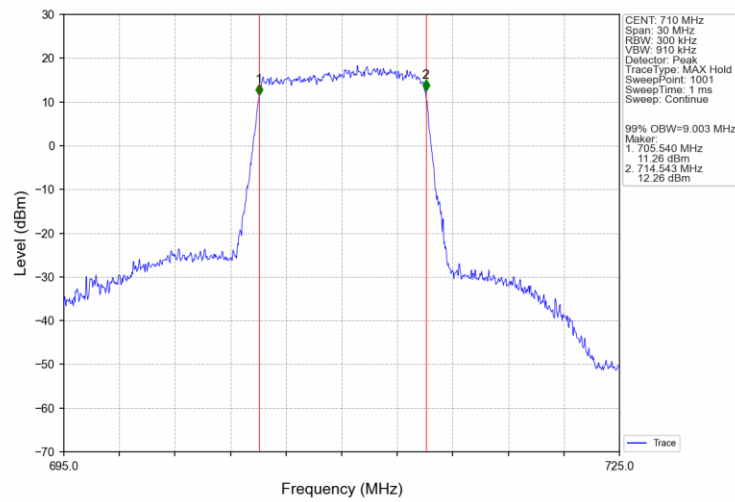
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



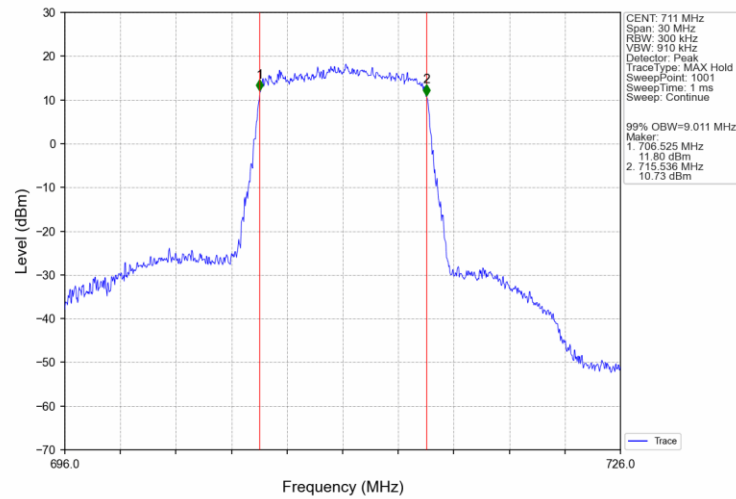
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN



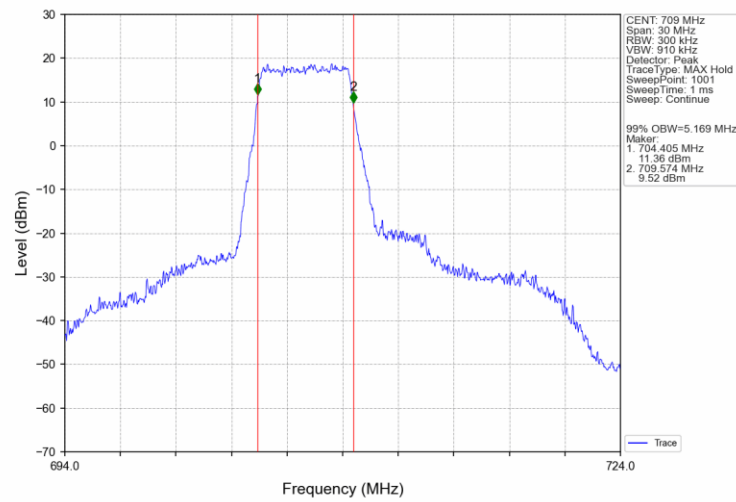
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTN



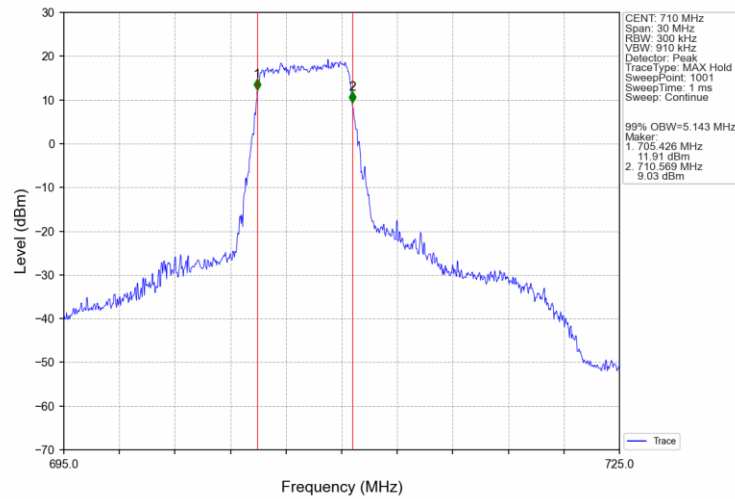
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



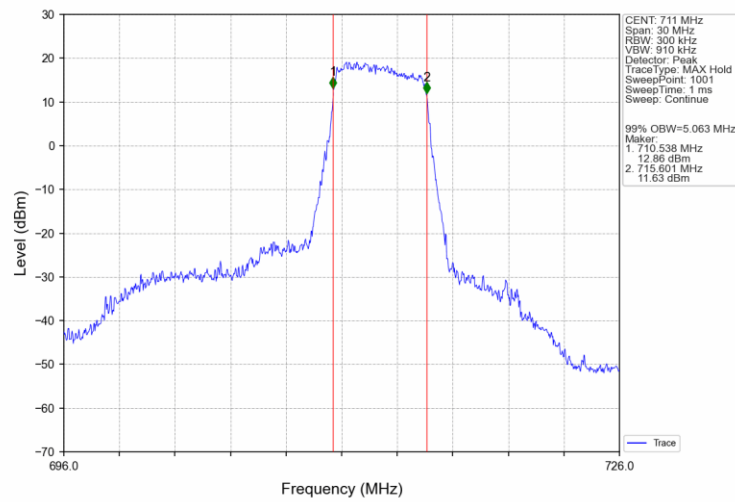
Band17 10MHz 16QAM LCH 709MHz RB 27 0 NTNV



Band17 10MHz 16QAM MCH 710MHz RB 27 0 NTNV

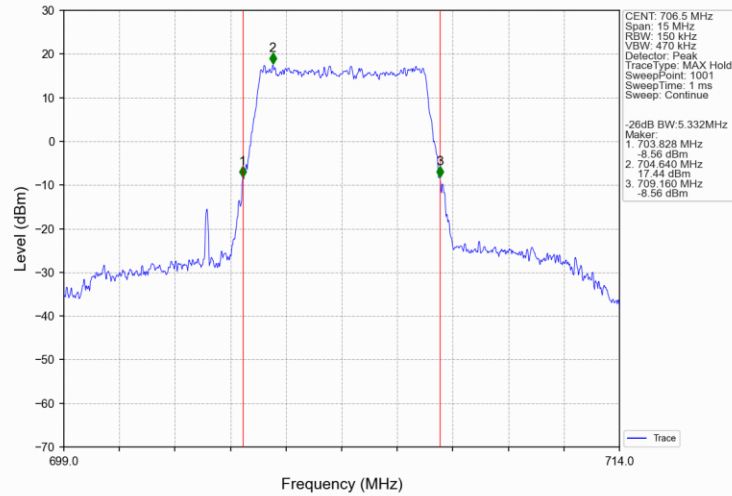


Band17 10MHz 16QAM HCH 711MHz RB 27 23 NTNV

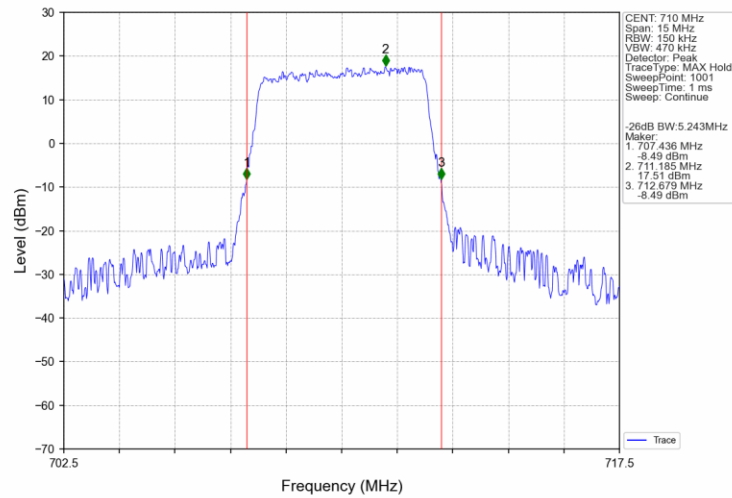


4.2.2 Band17_XDB

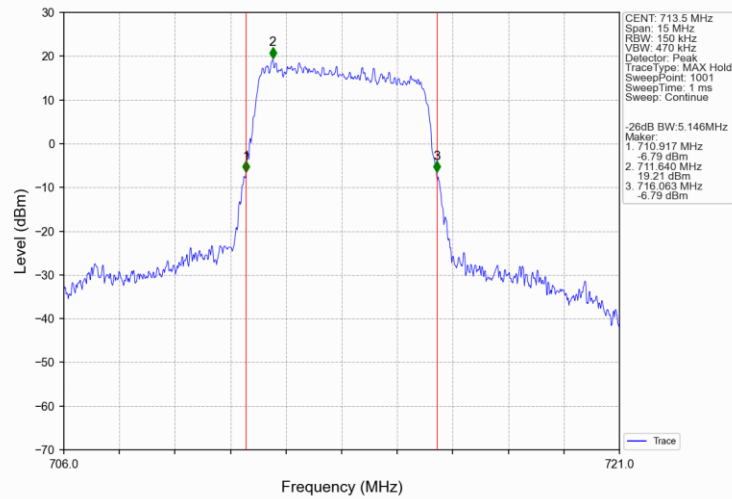
Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV



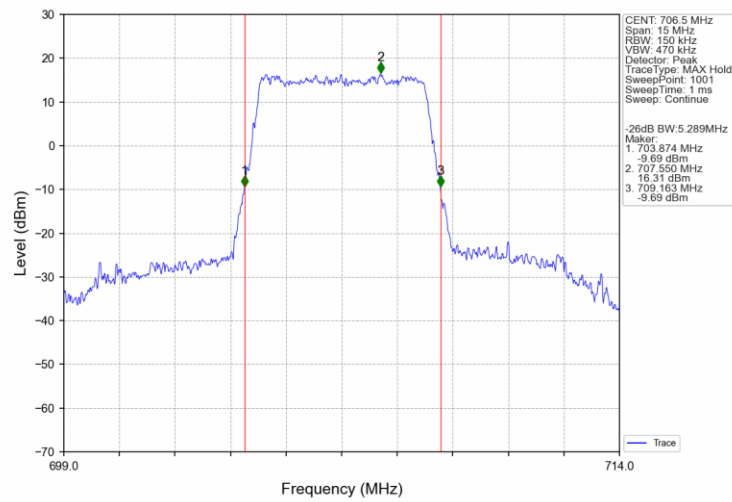
Band17_5MHz_QPSK_MCH_710MHz_RB_25_0_NTNV



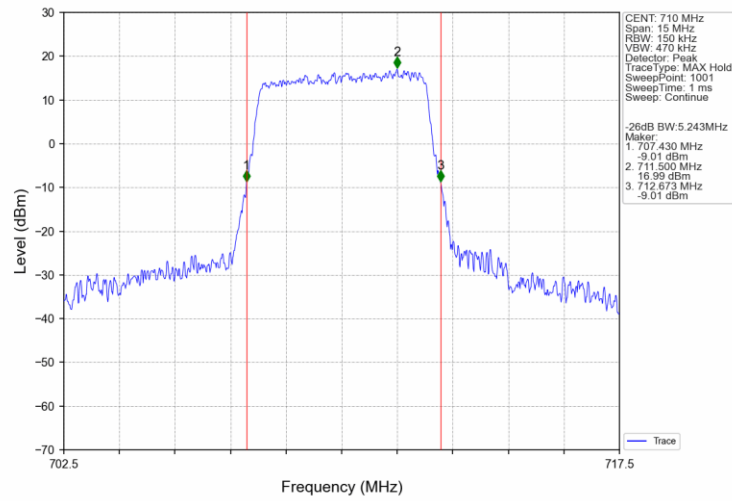
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



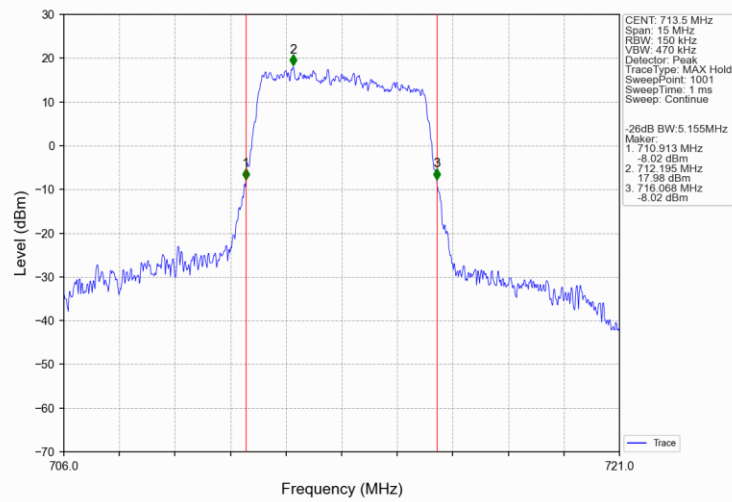
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



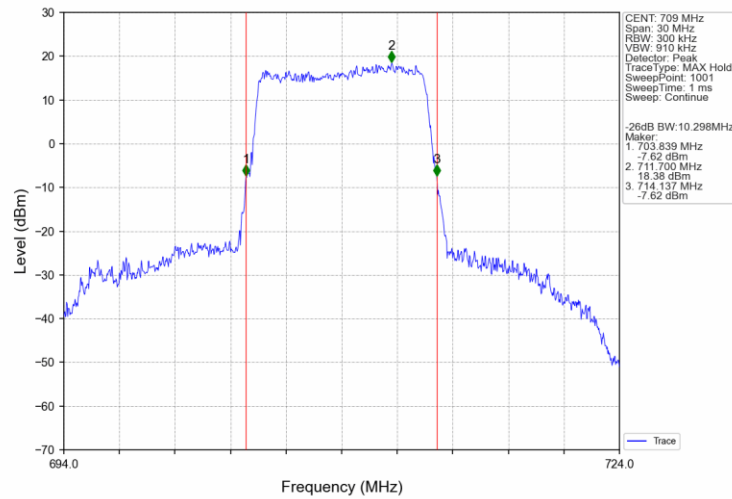
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



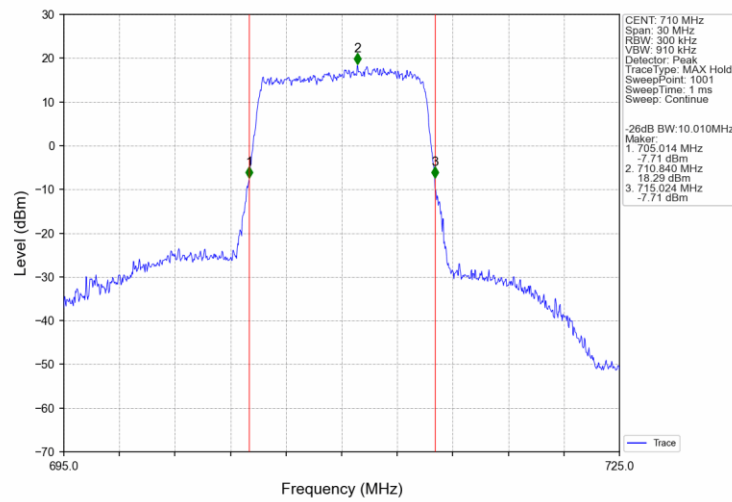
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



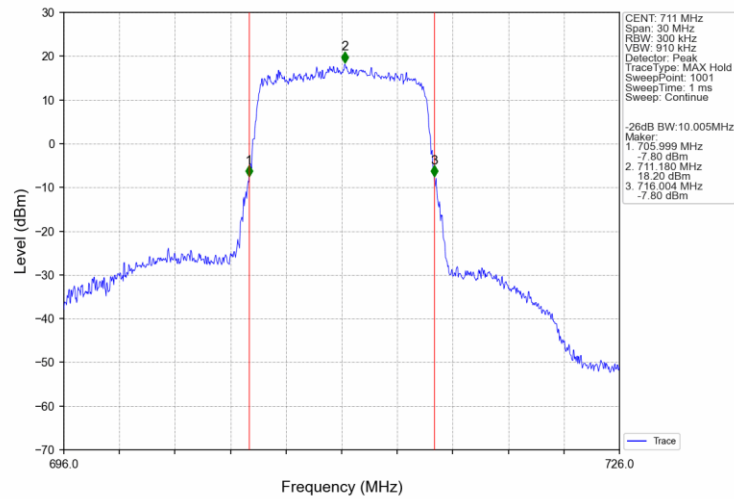
Band17 10MHz QPSK LCH 709MHz RB 50 0 NTN



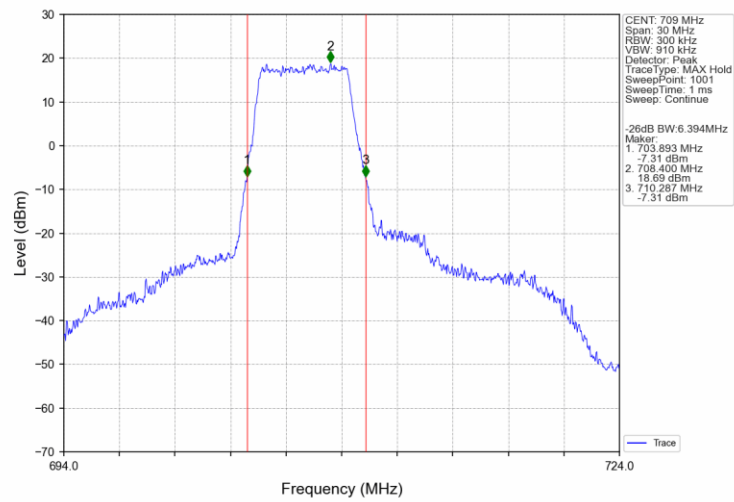
Band17 10MHz QPSK MCH 710MHz RB 50 0 NTN



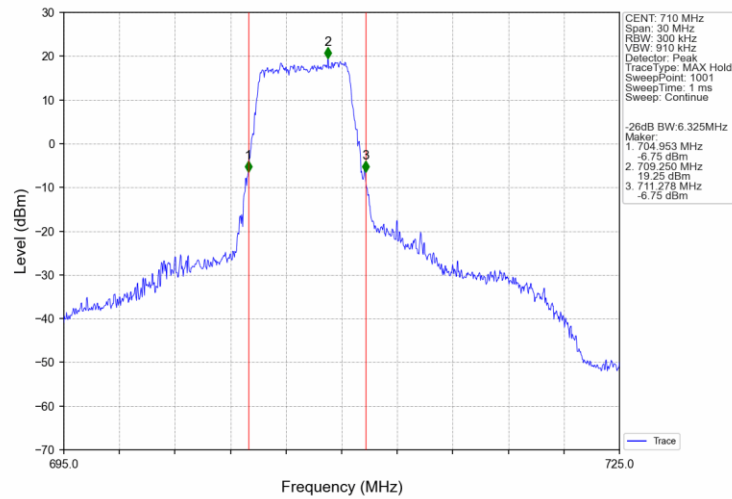
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTNV



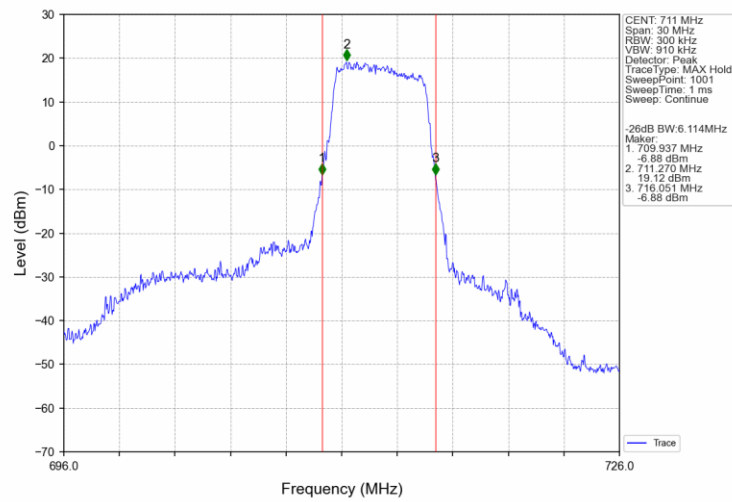
Band17 10MHz 16QAM LCH 709MHz RB 27 0 NTNV



Band17 10MHz 16QAM MCH 710MHz RB 27 0 NTNV



Band17 10MHz 16QAM HCH 711MHz RB 27 23 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B17_5MHz

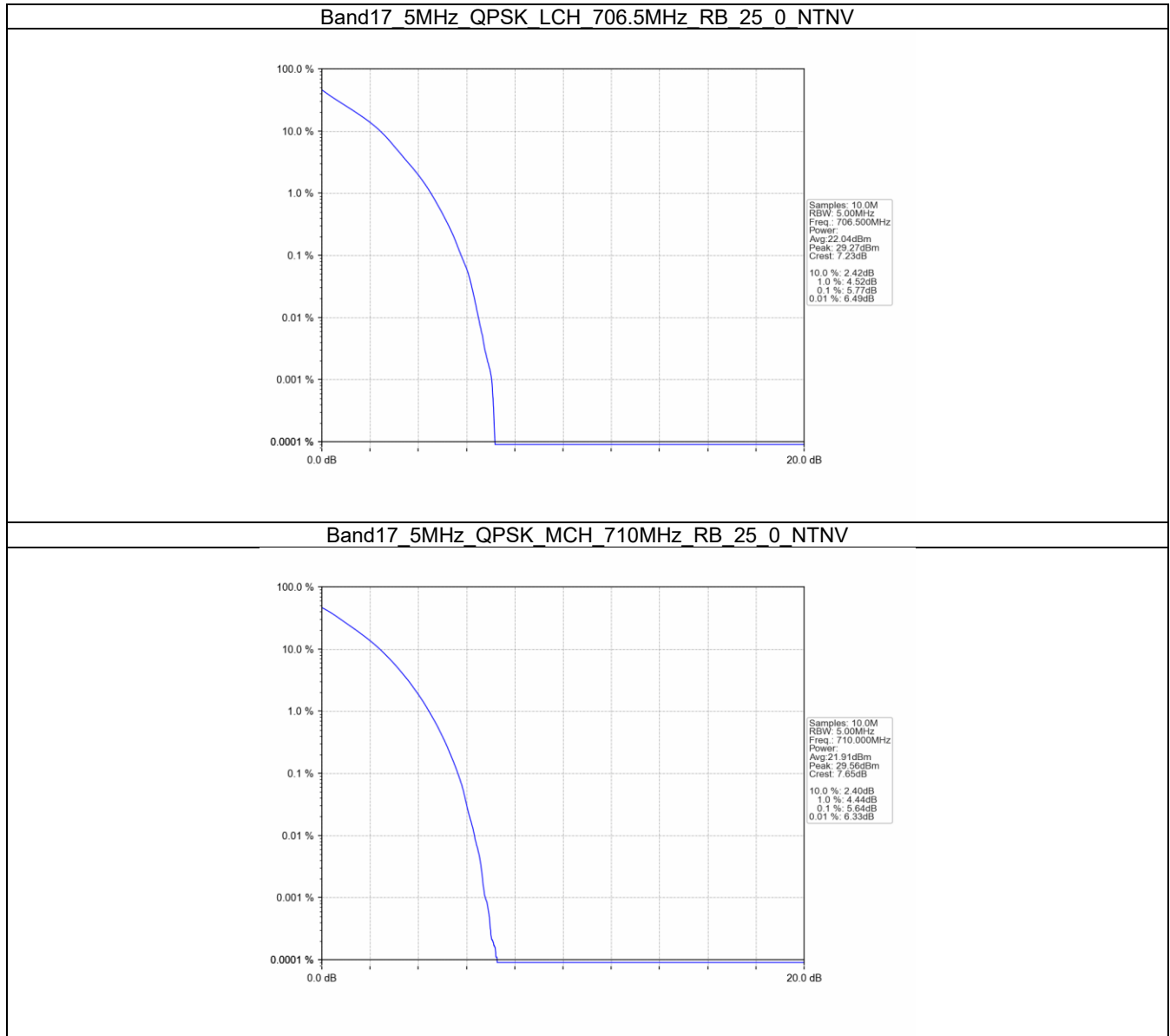
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.77	<=13	Pass
	710	25	0	5.64	<=13	Pass
	713.5	25	0	5.57	<=13	Pass
16QAM	706.5	25	0	6.48	<=13	Pass
	710	25	0	6.34	<=13	Pass
	713.5	25	0	6.26	<=13	Pass

5.1.2 B17_10MHz

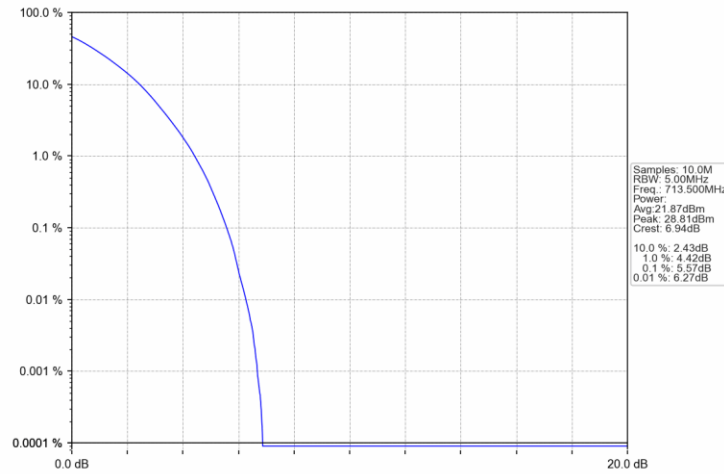
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.62	<=13	Pass
	710	50	0	5.50	<=13	Pass
	711	50	0	5.40	<=13	Pass
16QAM	709	27	0	6.45	<=13	Pass
	710	27	0	6.47	<=13	Pass
	711	27	23	6.24	<=13	Pass

5.2 Test Graph

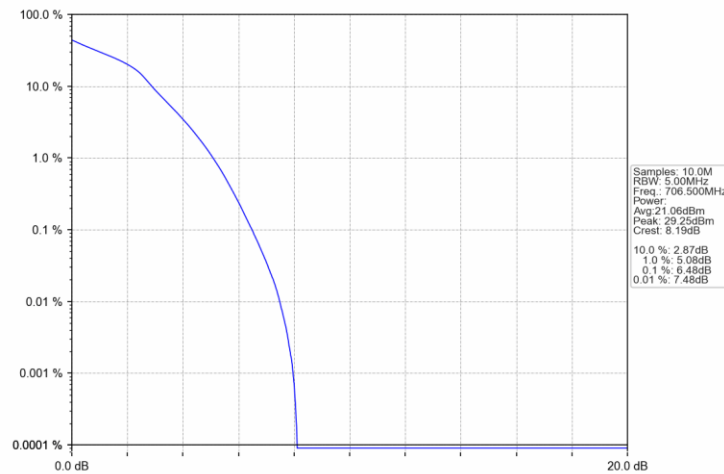
5.2.1 B17_5MHz



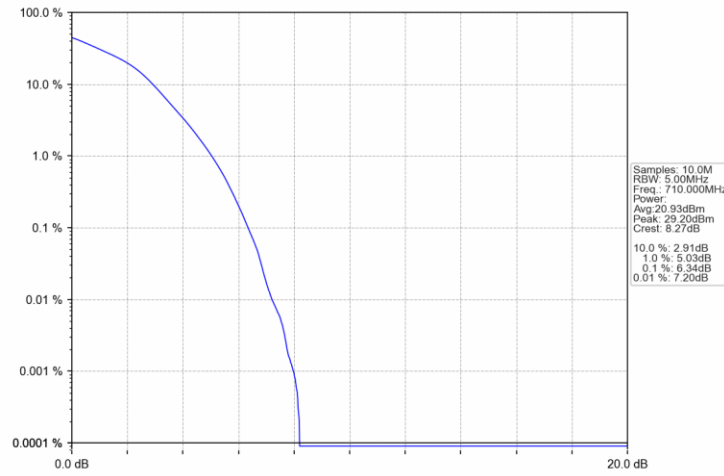
Band17 5MHz QPSK HCH 713.5MHz RB 25 0 NTNV



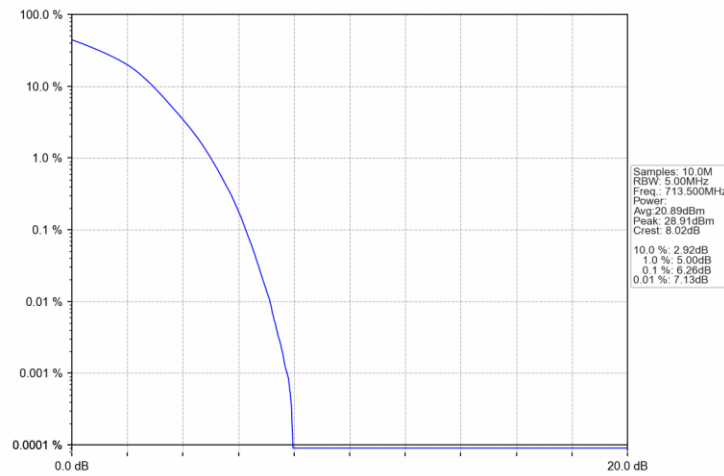
Band17 5MHz 16QAM LCH 706.5MHz RB 25 0 NTNV



Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV

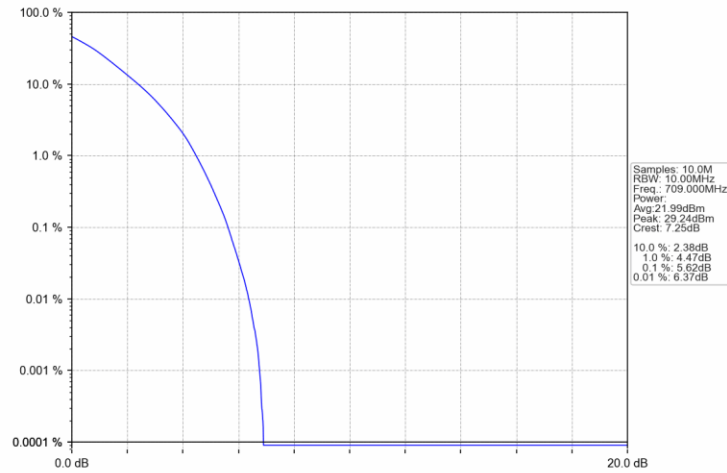


Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV

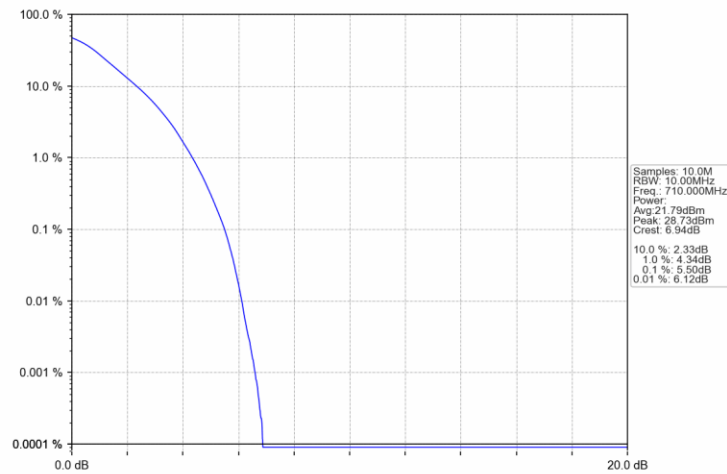


5.2.2 B17_10MHz

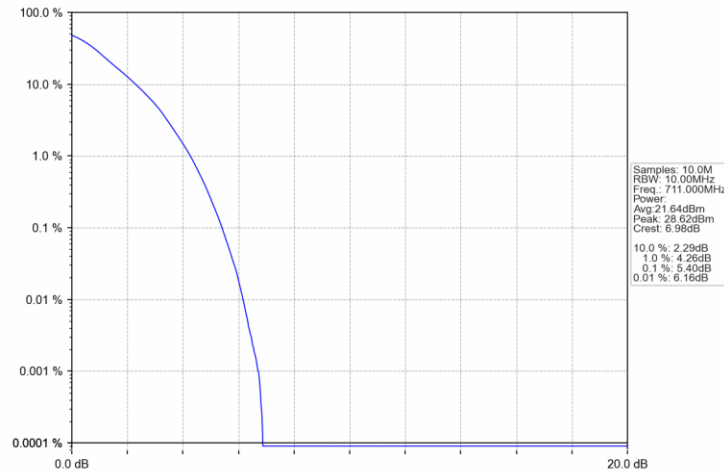
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



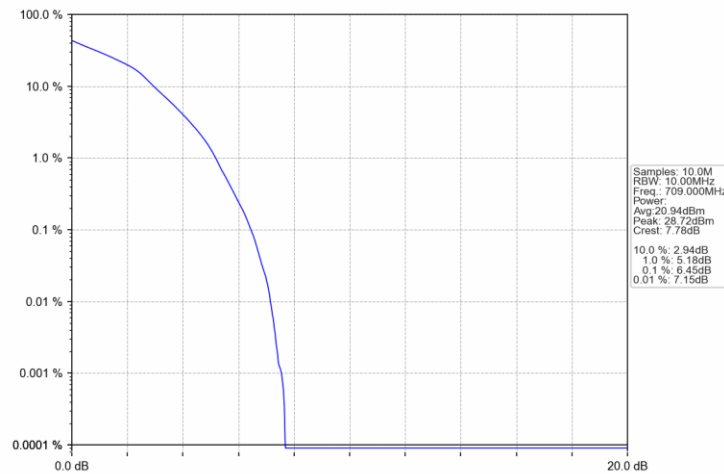
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



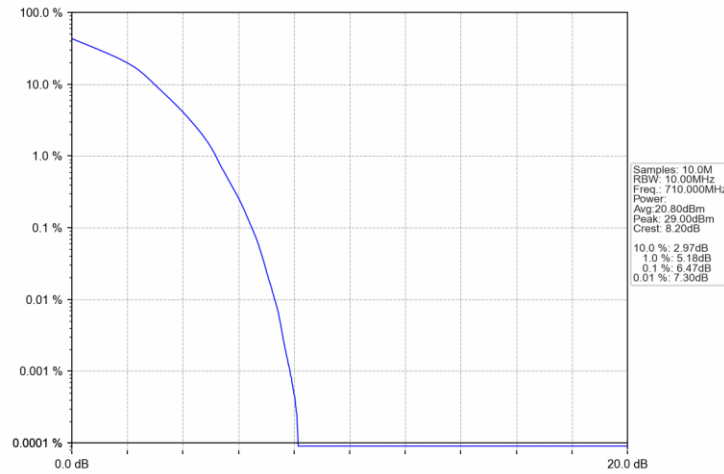
Band17 10MHz QPSK HCH 711MHz RB 50 0 NTN



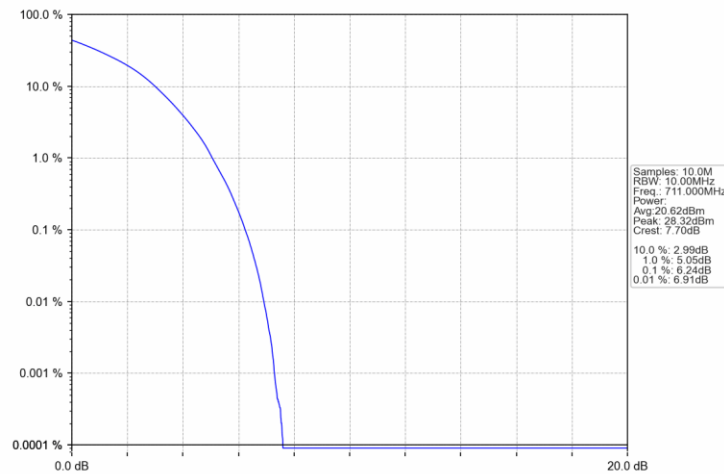
Band17 10MHz 16QAM LCH 709MHz RB 27 0 NTN



Band17 10MHz 16QAM MCH 710MHz RB 27 0 NTNV



Band17 10MHz 16QAM HCH 711MHz RB 27 23 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B17_5MHz

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		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

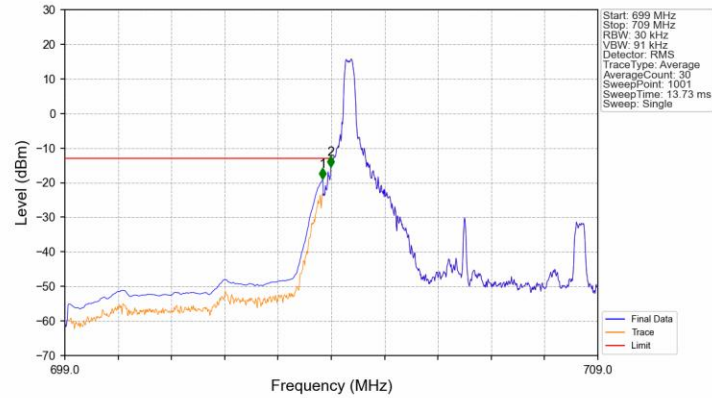
6.1.2 B17_10MHz

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
16QAM	709	1	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

6.2 Test Graph

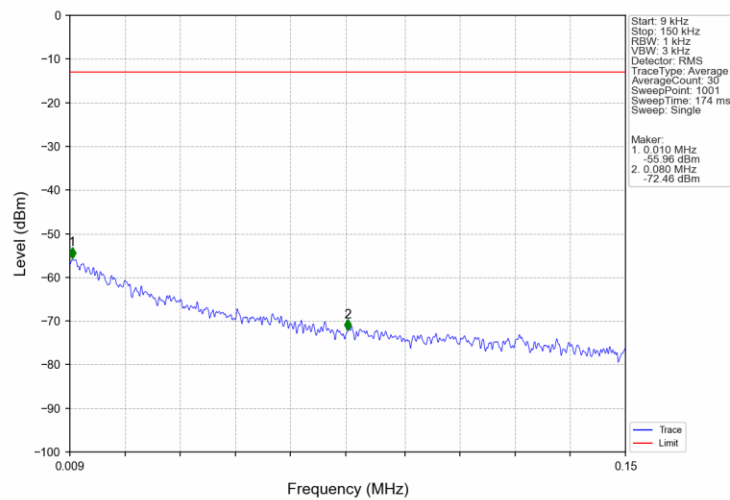
6.2.1 B17_5MHz

Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV

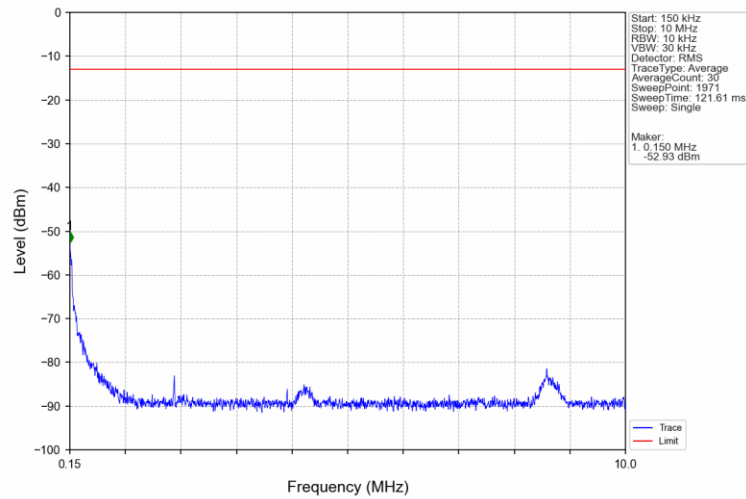


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-18.91	-13	Pass
703.9	704	0.03	/	2	703.990	-15.52	-13	Pass
704	709	0.03	/	/	/	/	/	/

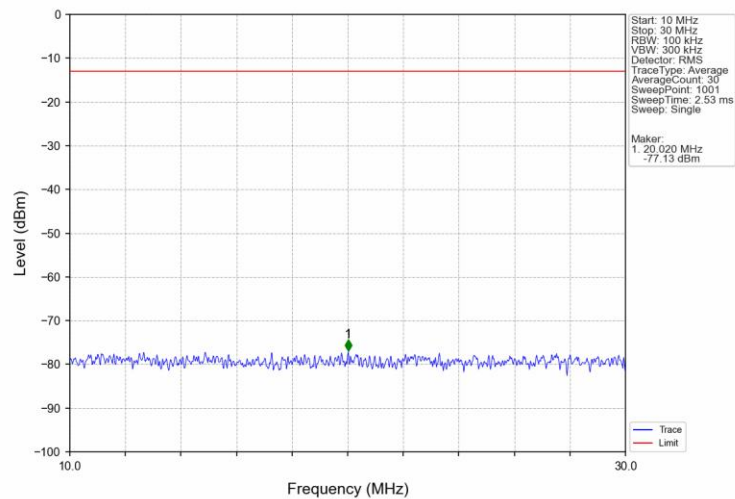
Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV



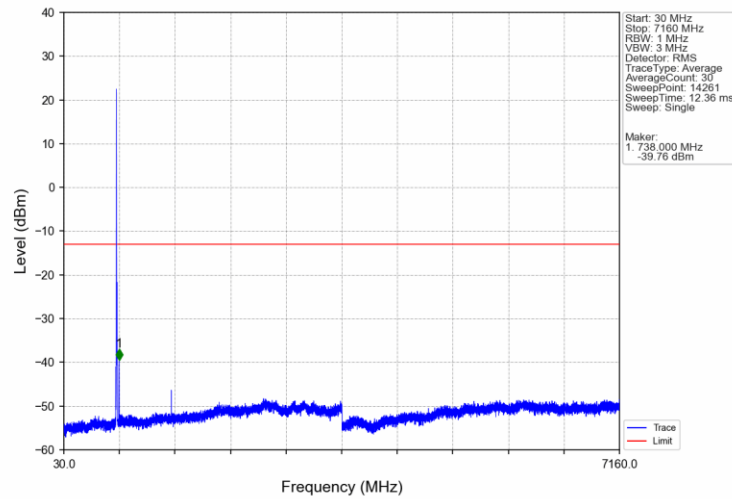
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



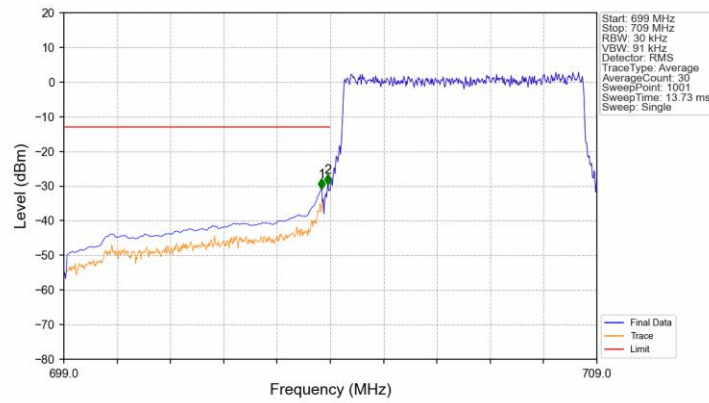
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17 5MHz QPSK LCH 706.5MHz RB 1 0 NTNV

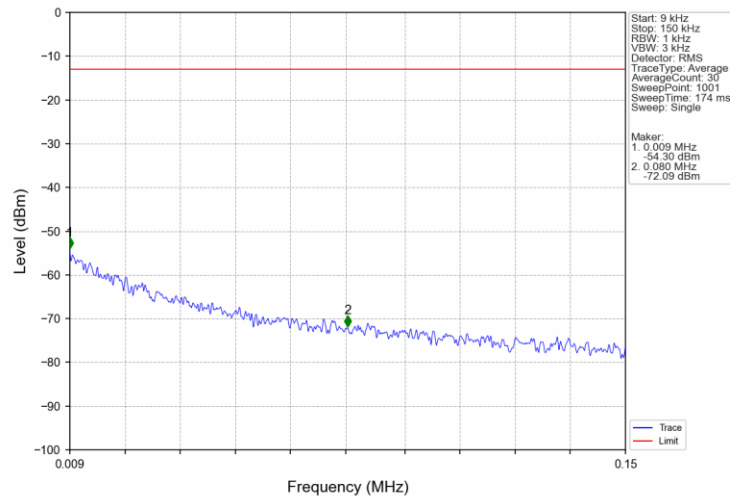


Band17 5MHz QPSK LCH 706.5MHz RB 25 0 NTNV

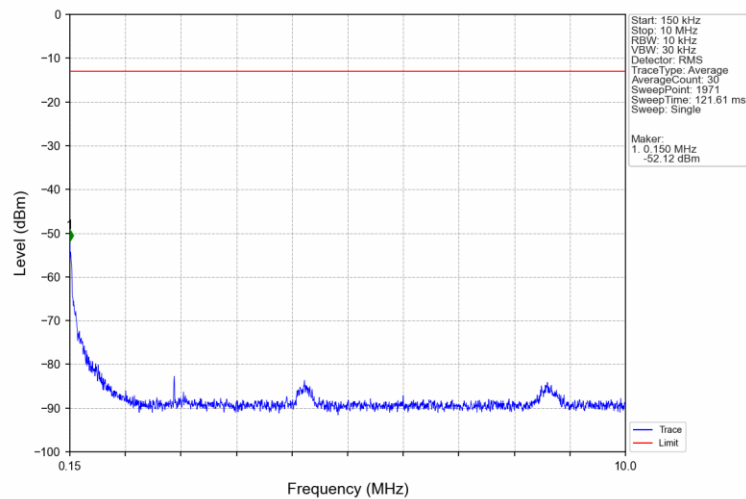


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-31.01	-13	Pass
703.9	704	0.03	/	2	703.950	-29.62	-13	Pass
704	709	0.03	/	/	/	/	/	/

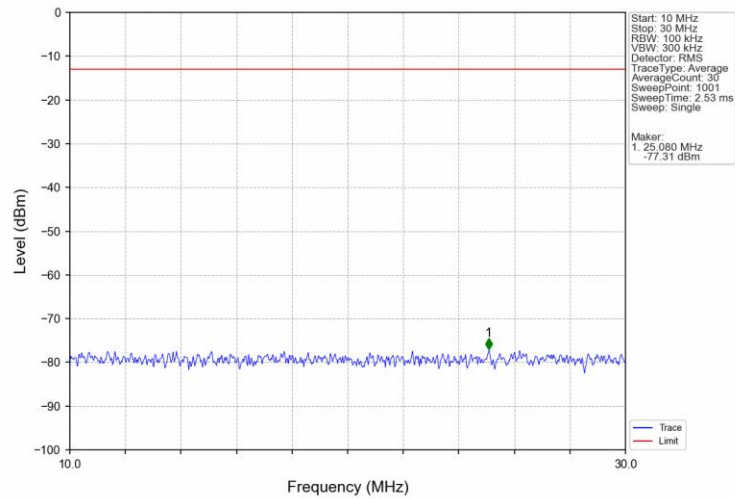
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



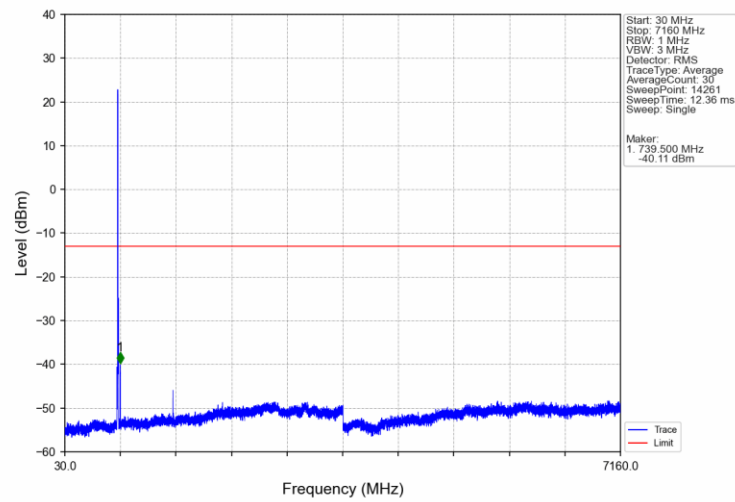
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



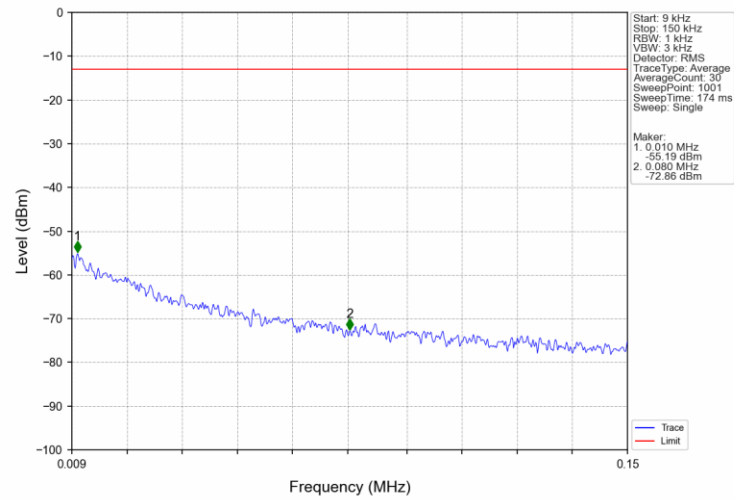
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



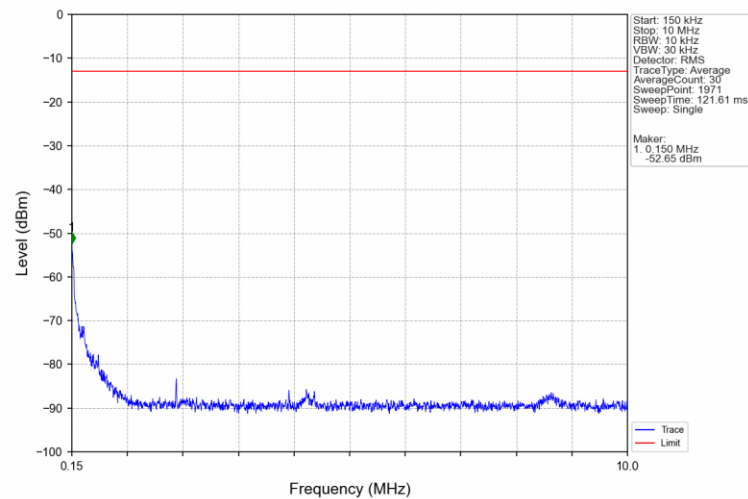
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



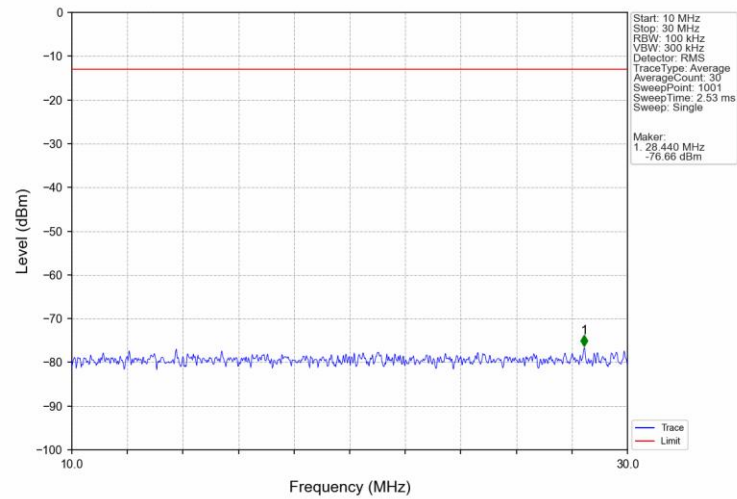
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



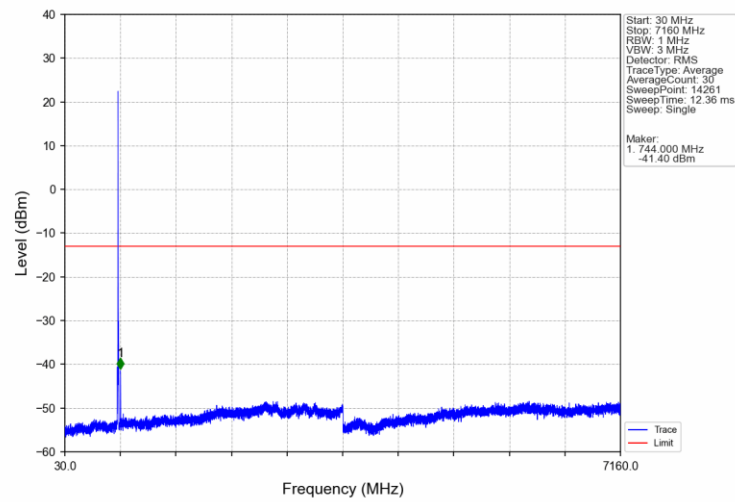
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



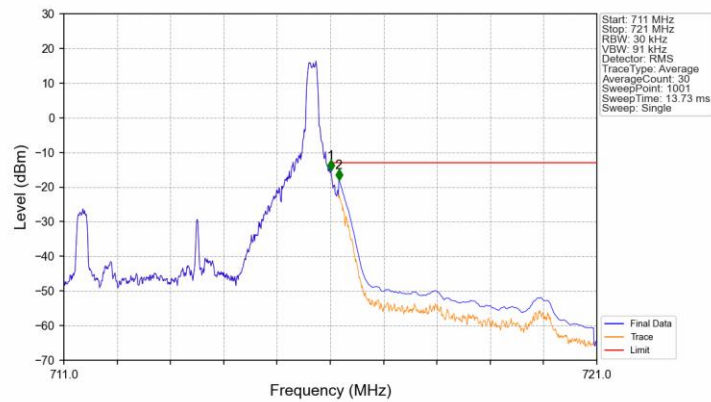
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

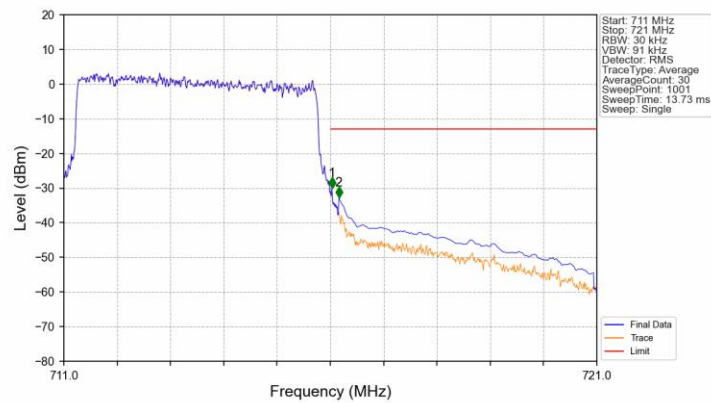


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



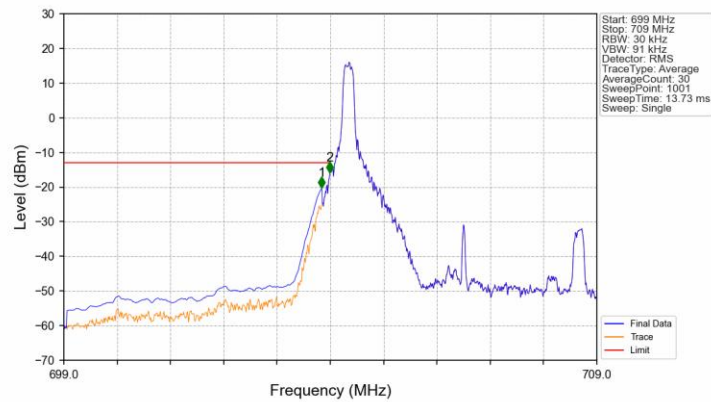
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-15.36	-13	Pass
716.1	721	0.1	CHP	2	716.160	-18.07	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



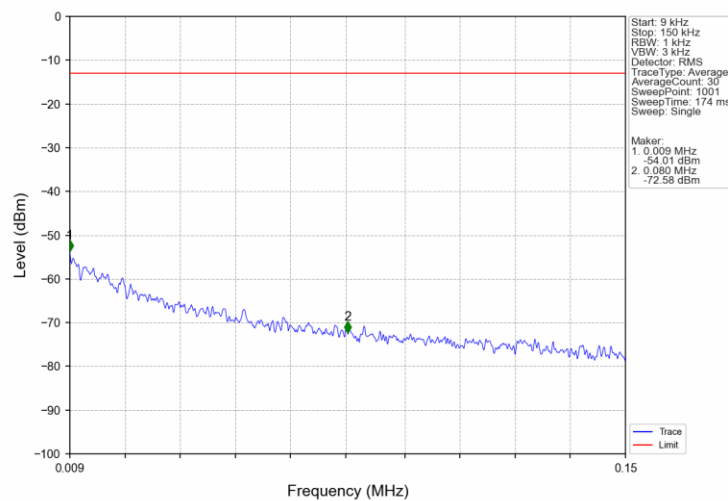
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.030	-29.96	-13	Pass
716.1	721	0.1	CHP	2	716.160	-32.79	-13	Pass

Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

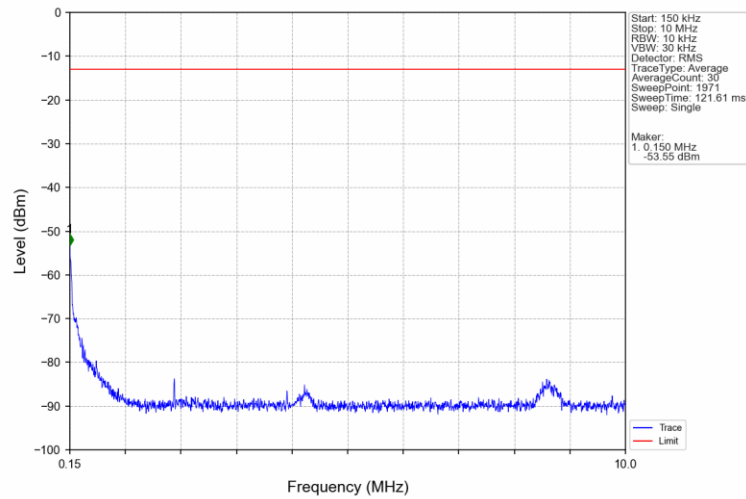


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-20.25	-13	Pass
703.9	704	0.03	/	2	703.990	-15.87	-13	Pass
704	709	0.03	/	/	/	/	/	/

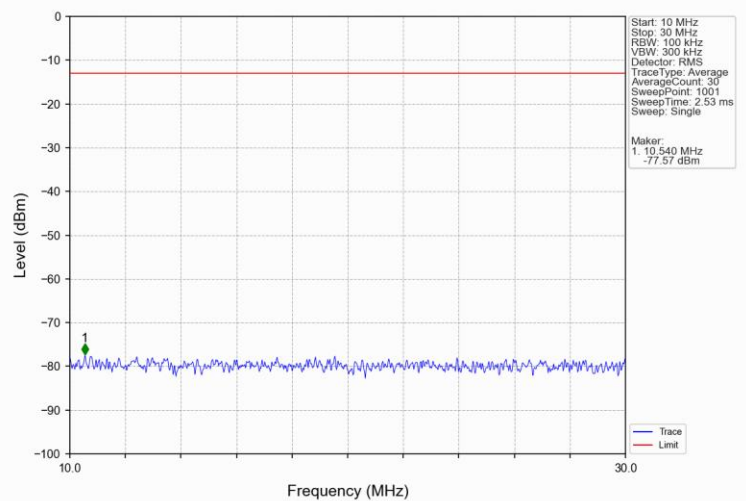
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



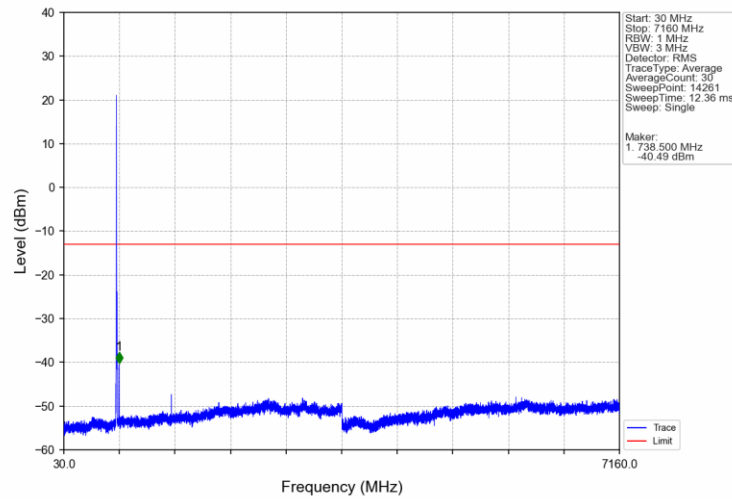
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



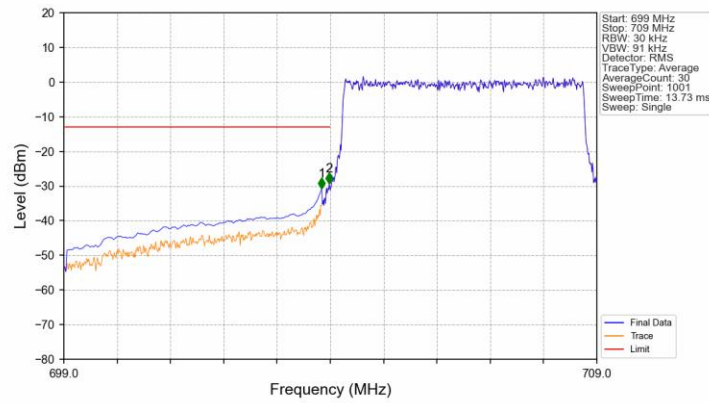
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

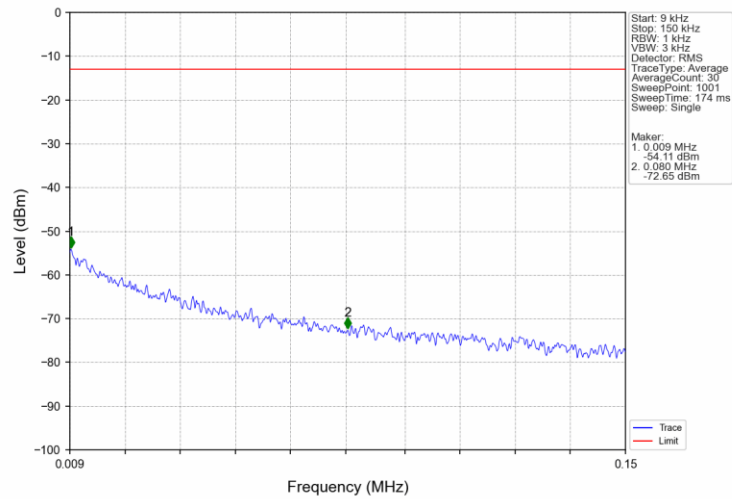


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

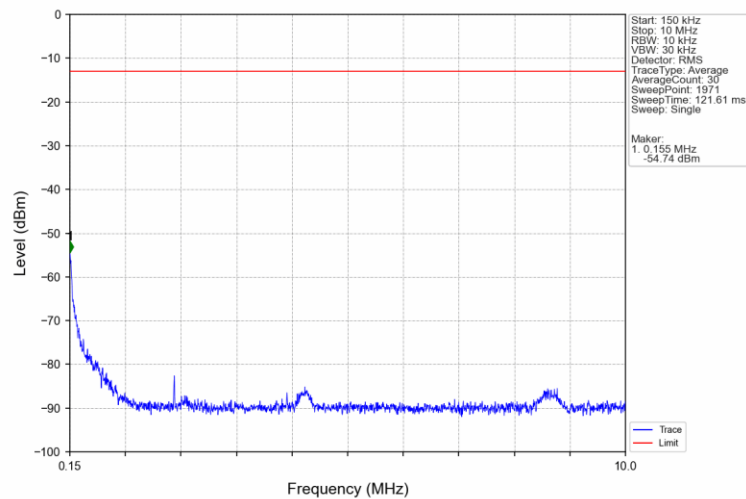


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	CHP	1	703.840	-30.79	-13	Pass
703.9	704	0.03	/	2	703.980	-29.24	-13	Pass
704	709	0.03	/	/	/	/	/	/

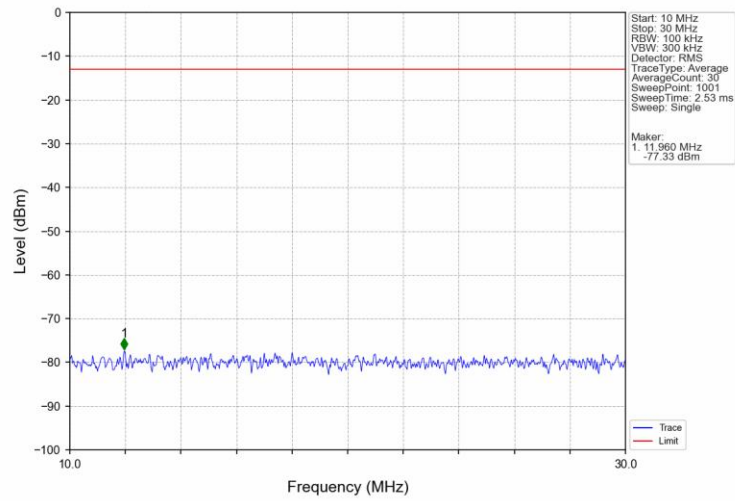
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



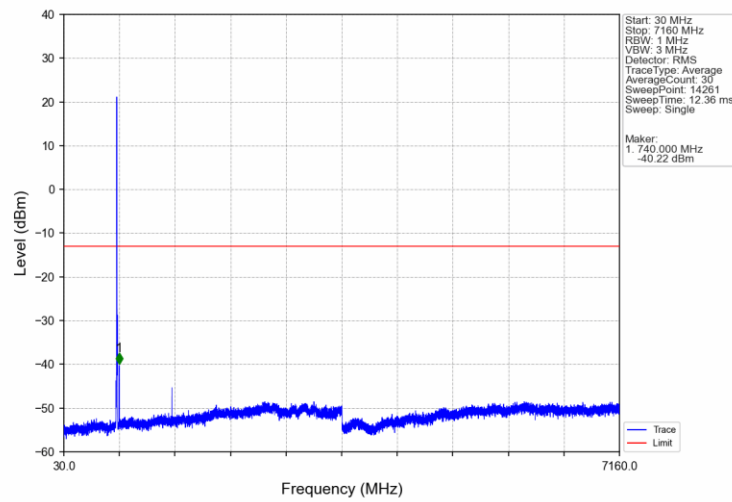
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



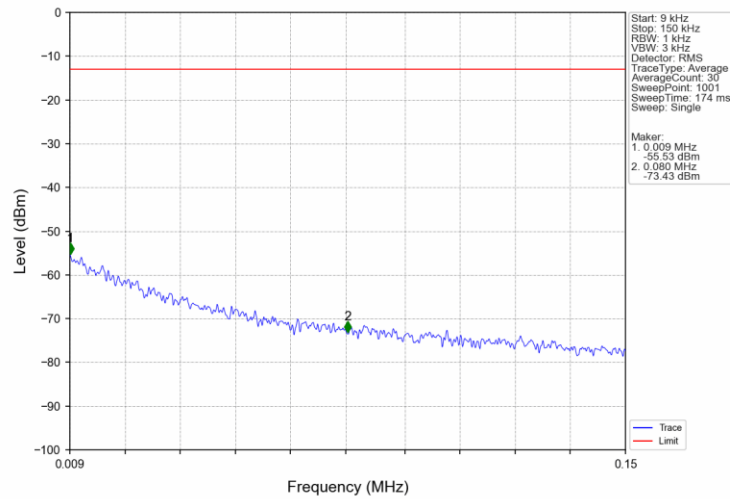
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



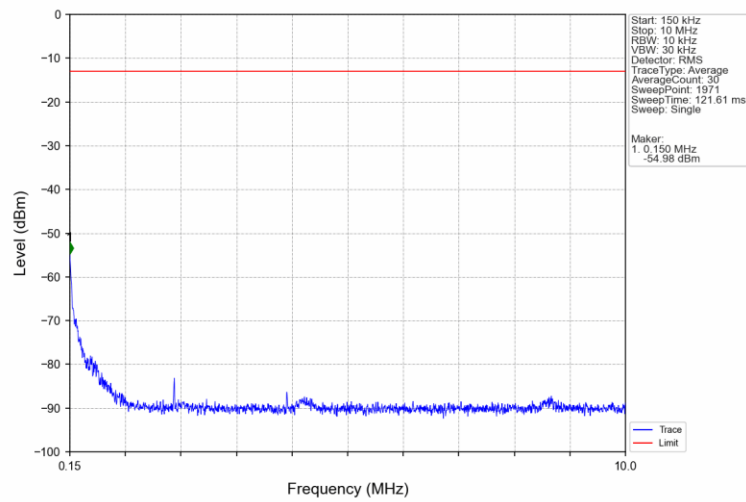
Band17 5MHz 16QAM MCH 710MHz RB 1 0 NTN



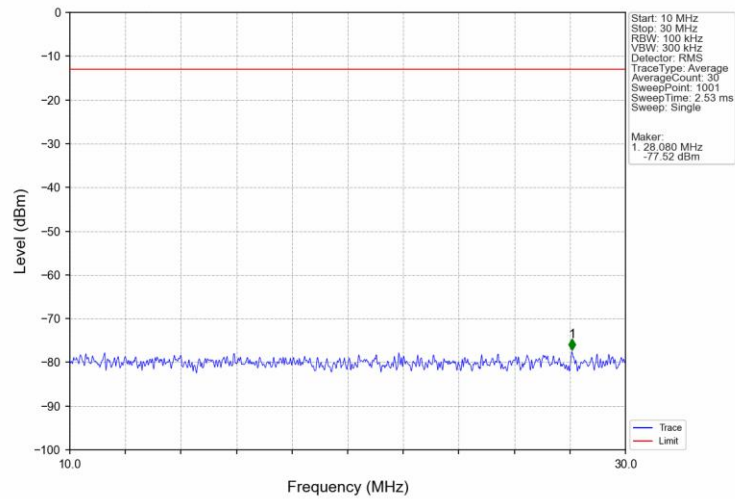
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



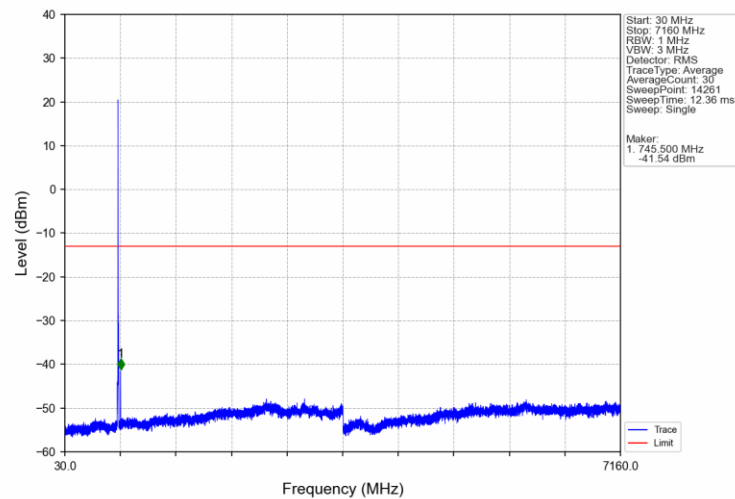
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



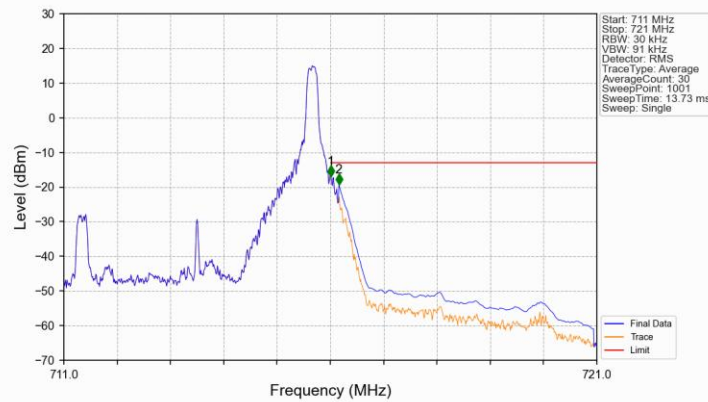
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV

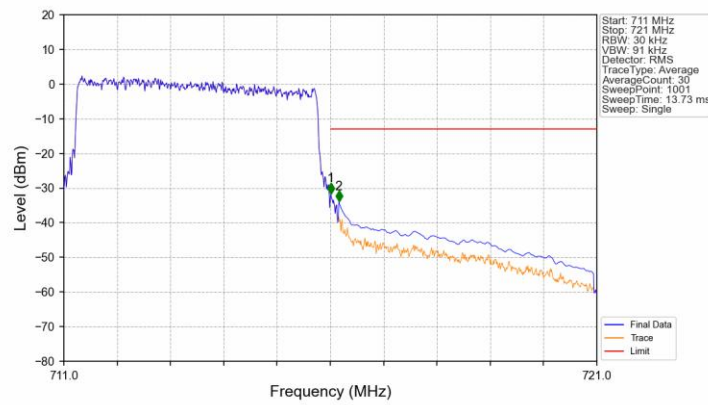


Band17 5MHz 16QAM HCH 713.5MHz RB 1 24 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-16.86	-13	Pass
716.1	721	0.1	CHP	2	716.160	-19.24	-13	Pass

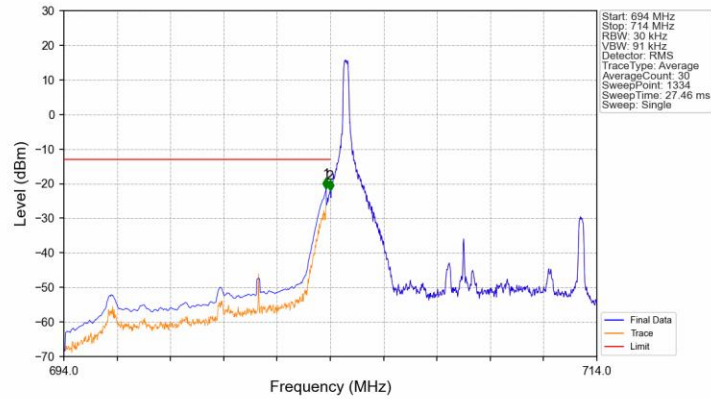
Band17 5MHz 16QAM HCH 713.5MHz RB 25 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	/	/	/	/	/
716	716.1	0.03	/	1	716.010	-31.58	-13	Pass
716.1	721	0.1	CHP	2	716.160	-33.91	-13	Pass

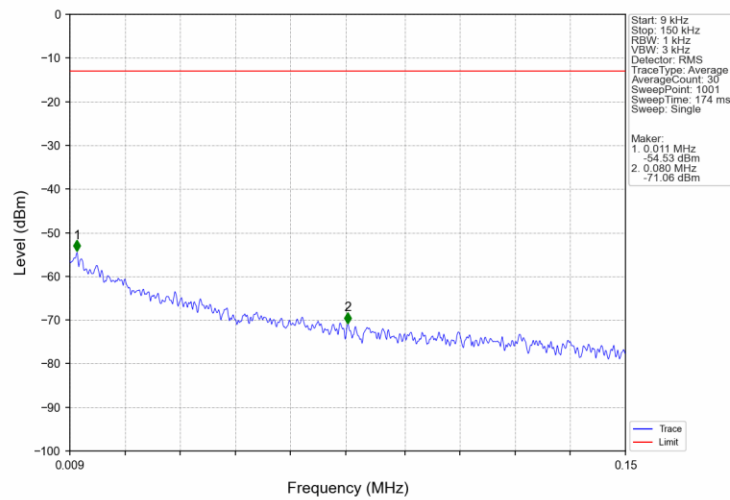
6.2.2 B17_10MHz

Band17 10MHz QPSK LCH 709MHz RB 1 0 NTN

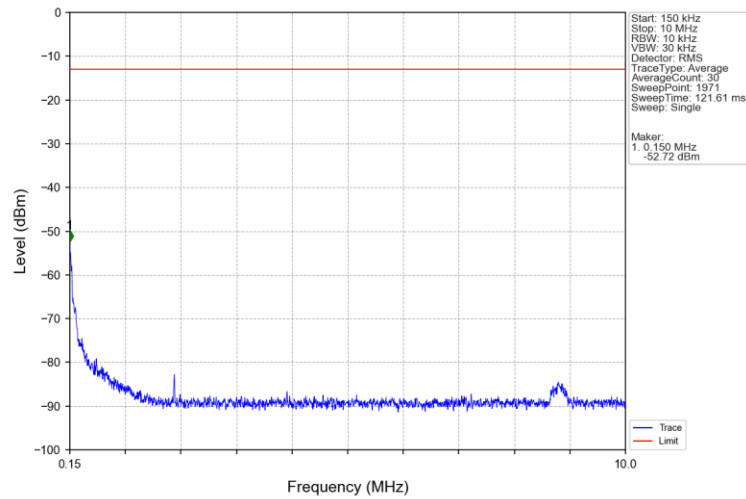


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-21.46	-13	Pass
703.9	704	0.03	/	2	703.992	-21.96	-13	Pass
704	714	0.03	/	/	/	/	/	/

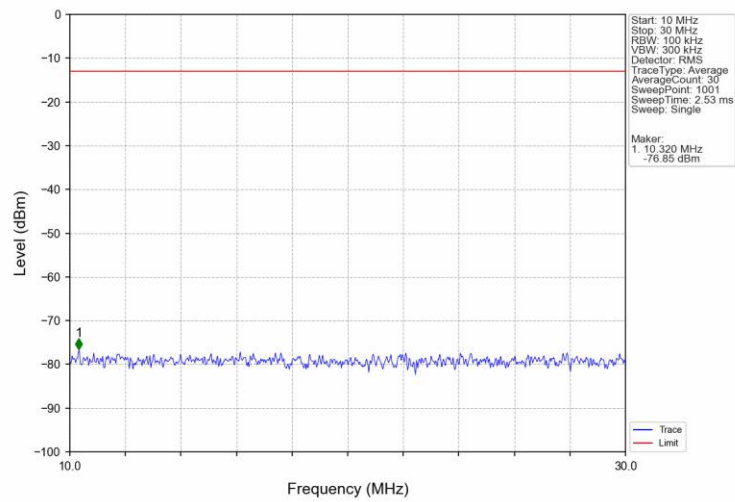
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTN



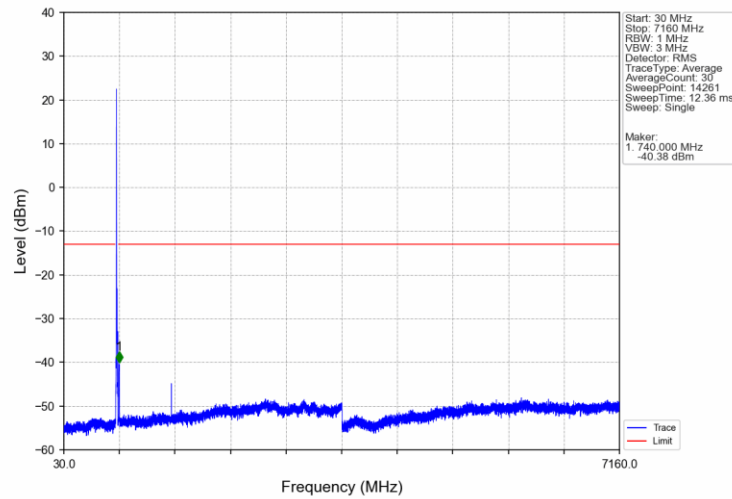
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTN



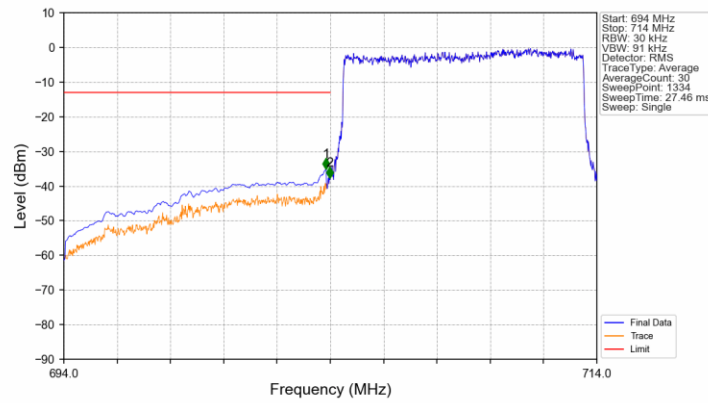
Band17 10MHz QPSK LCH 709MHz RB 1 0 NTN



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

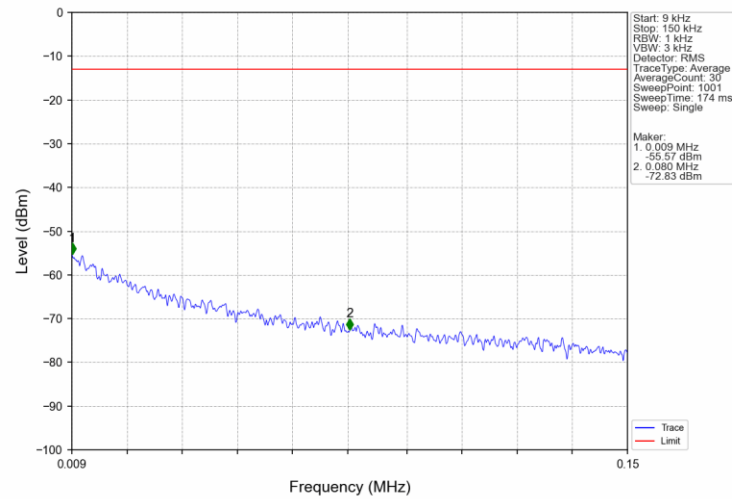


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

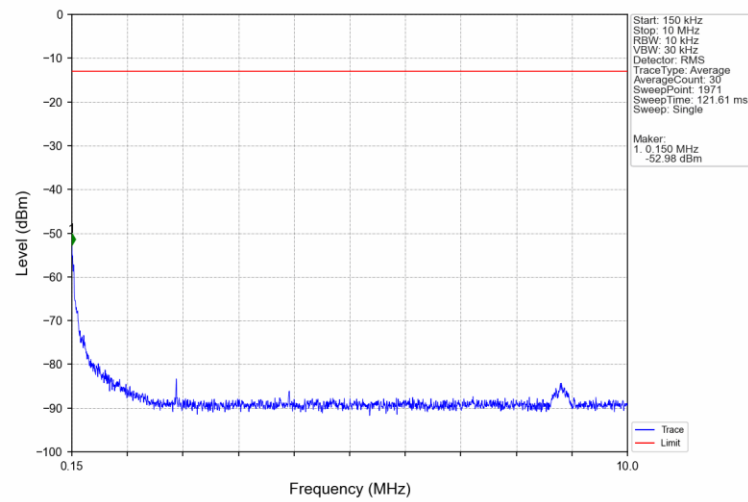


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	CHP	1	703.842	-35.05	-13	Pass
703.9	704	0.03	/	2	703.977	-37.62	-13	Pass
704	714	0.03	/	/	/	/	/	/

Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN

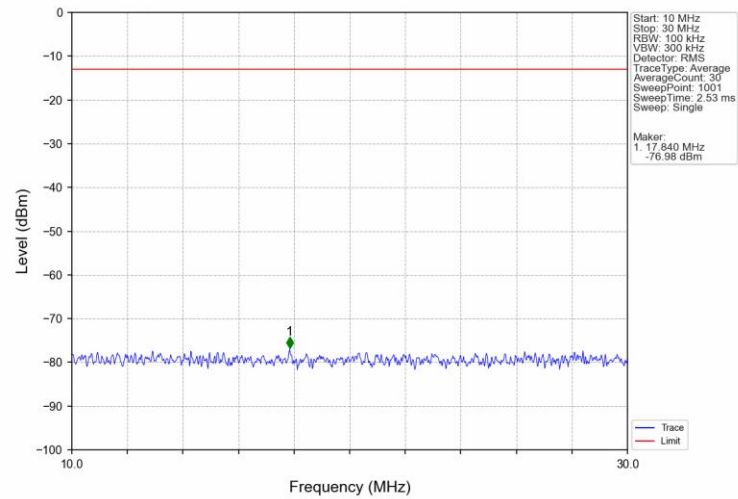


Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN





Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN



Band17 10MHz QPSK MCH 710MHz RB 1 0 NTN

