

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B17_5MHz_ERP

Band: 17 / Bandwidth: 5MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	706.5	1	0	22.52	-2.37	18.00	<=34.77	Pass
			13	22.57	-2.37	18.05	<=34.77	Pass
			24	22.49	-2.37	17.97	<=34.77	Pass
		12	0	21.64	-2.37	17.12	<=34.77	Pass
			6	21.64	-2.37	17.12	<=34.77	Pass
			13	21.55	-2.37	17.03	<=34.77	Pass
		25	0	21.54	-2.37	17.02	<=34.77	Pass
	710	1	0	22.73	-2.37	18.21	<=34.77	Pass
			13	22.80	-2.37	18.28	<=34.77	Pass
			24	22.54	-2.37	18.02	<=34.77	Pass
		12	0	21.65	-2.37	17.13	<=34.77	Pass
			6	21.64	-2.37	17.12	<=34.77	Pass
			13	21.52	-2.37	17.00	<=34.77	Pass
		25	0	21.60	-2.37	17.08	<=34.77	Pass
	713.5	1	0	22.48	-2.37	17.96	<=34.77	Pass
			13	22.51	-2.37	17.99	<=34.77	Pass
			24	22.44	-2.37	17.92	<=34.77	Pass
		12	0	21.42	-2.37	16.90	<=34.77	Pass
			6	21.43	-2.37	16.91	<=34.77	Pass
			13	21.47	-2.37	16.95	<=34.77	Pass
		25	0	21.40	-2.37	16.88	<=34.77	Pass
16QAM	706.5	1	0	21.32	-2.37	16.80	<=34.77	Pass
			13	21.47	-2.37	16.95	<=34.77	Pass
			24	21.39	-2.37	16.87	<=34.77	Pass
		12	0	20.77	-2.37	16.25	<=34.77	Pass
			6	20.82	-2.37	16.30	<=34.77	Pass
			13	20.73	-2.37	16.21	<=34.77	Pass
		25	0	20.82	-2.37	16.30	<=34.77	Pass
	710	1	0	21.66	-2.37	17.14	<=34.77	Pass
			13	21.81	-2.37	17.29	<=34.77	Pass
			24	21.64	-2.37	17.12	<=34.77	Pass
		12	0	20.47	-2.37	15.95	<=34.77	Pass
			6	20.55	-2.37	16.03	<=34.77	Pass
			13	20.46	-2.37	15.94	<=34.77	Pass
		25	0	20.57	-2.37	16.05	<=34.77	Pass
	713.5	1	0	21.33	-2.37	16.81	<=34.77	Pass
			13	21.37	-2.37	16.85	<=34.77	Pass
			24	21.25	-2.37	16.73	<=34.77	Pass
		12	0	20.47	-2.37	15.95	<=34.77	Pass
			6	20.50	-2.37	15.98	<=34.77	Pass
			13	20.37	-2.37	15.85	<=34.77	Pass
		25	0	20.49	-2.37	15.97	<=34.77	Pass
Note1: ERP=Conducted Power+Antenna Gain-2.15								

1.1.2 B17_10MHz_ERP

Band: 17 / Bandwidth: 10MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	709	1	0	22.67	-2.37	18.15	<=34.77	Pass	
			25	22.76	-2.37	18.24	<=34.77	Pass	
			49	22.36	-2.37	17.84	<=34.77	Pass	
		25	0	21.75	-2.37	17.23	<=34.77	Pass	
			13	21.53	-2.37	17.01	<=34.77	Pass	
			25	21.52	-2.37	17.00	<=34.77	Pass	
		50	0	21.63	-2.37	17.11	<=34.77	Pass	
		710	1	0	22.68	-2.37	18.16	<=34.77	Pass
				25	22.83	-2.37	18.31	<=34.77	Pass
	49			22.43	-2.37	17.91	<=34.77	Pass	
	25		0	21.66	-2.37	17.14	<=34.77	Pass	
			13	21.44	-2.37	16.92	<=34.77	Pass	
			25	21.56	-2.37	17.04	<=34.77	Pass	
	50	0	21.63	-2.37	17.11	<=34.77	Pass		
	711	1	0	22.91	-2.37	18.39	<=34.77	Pass	
			25	23.04	-2.37	18.52	<=34.77	Pass	
			49	22.80	-2.37	18.28	<=34.77	Pass	
		25	0	22.04	-2.37	17.52	<=34.77	Pass	
			13	21.87	-2.37	17.35	<=34.77	Pass	
			25	21.91	-2.37	17.39	<=34.77	Pass	
		50	0	22.01	-2.37	17.49	<=34.77	Pass	
16QAM		709	1	0	21.53	-2.37	17.01	<=34.77	Pass
				25	21.65	-2.37	17.13	<=34.77	Pass
	49			21.34	-2.37	16.82	<=34.77	Pass	
	25		0	20.81	-2.37	16.29	<=34.77	Pass	
			13	20.77	-2.37	16.25	<=34.77	Pass	
			25	20.75	-2.37	16.23	<=34.77	Pass	
	50		0	20.75	-2.37	16.23	<=34.77	Pass	
	710	1	0	21.56	-2.37	17.04	<=34.77	Pass	
			25	21.91	-2.37	17.39	<=34.77	Pass	
			49	21.95	-2.37	17.43	<=34.77	Pass	
		25	0	21.14	-2.37	16.62	<=34.77	Pass	
			13	21.05	-2.37	16.53	<=34.77	Pass	
			25	21.01	-2.37	16.49	<=34.77	Pass	
	50	0	21.00	-2.37	16.48	<=34.77	Pass		
	711	1	0	22.02	-2.37	17.50	<=34.77	Pass	
			25	22.08	-2.37	17.56	<=34.77	Pass	
			49	21.92	-2.37	17.40	<=34.77	Pass	
		25	0	21.03	-2.37	16.51	<=34.77	Pass	
			13	20.88	-2.37	16.36	<=34.77	Pass	
			25	20.94	-2.37	16.42	<=34.77	Pass	
		50	0	20.97	-2.37	16.45	<=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	3.27	-5.479	-0.0078	-2.5 to 2.5	Pass

					3.85	-6.065	-0.0086	-2.5 to 2.5	Pass
					4.43	-5.794	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-5.422	-0.0077	-2.5 to 2.5	Pass
				-20	3.85	-4.363	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-5.550	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-4.206	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-5.350	-0.0076	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0092	-2.5 to 2.5	Pass
				50	3.85	-5.107	-0.0072	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-3.390	-0.0048	-2.5 to 2.5	Pass
					3.85	-5.236	-0.0074	-2.5 to 2.5	Pass
					4.43	-7.181	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-5.221	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-7.038	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-9.828	-0.0138	-2.5 to 2.5	Pass
				10	3.85	-7.110	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-6.680	-0.0094	-2.5 to 2.5	Pass
				40	3.85	-6.723	-0.0095	-2.5 to 2.5	Pass
				50	3.85	-4.578	-0.0064	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-8.955	-0.0126	-2.5 to 2.5	Pass
					3.85	-7.267	-0.0102	-2.5 to 2.5	Pass
					4.43	-7.839	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-7.825	-0.0110	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-6.495	-0.0091	-2.5 to 2.5	Pass
				0	3.85	-7.997	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-6.280	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-9.027	-0.0127	-2.5 to 2.5	Pass
				40	3.85	-8.340	-0.0117	-2.5 to 2.5	Pass
				50	3.85	-5.221	-0.0073	-2.5 to 2.5	Pass
16QAM	706.5	25	0	20	3.27	-7.696	-0.0109	-2.5 to 2.5	Pass
					3.85	-6.580	-0.0093	-2.5 to 2.5	Pass
					4.43	-6.709	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-6.251	-0.0088	-2.5 to 2.5	Pass
				-20	3.85	-6.838	-0.0097	-2.5 to 2.5	Pass
				-10	3.85	-8.483	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-5.722	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-5.836	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-6.380	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-6.609	-0.0094	-2.5 to 2.5	Pass
				50	3.85	-5.150	-0.0073	-2.5 to 2.5	Pass
	710	25	0	20	3.27	-7.195	-0.0101	-2.5 to 2.5	Pass
					3.85	-7.825	-0.0110	-2.5 to 2.5	Pass
					4.43	-6.881	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-8.011	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	-4.592	-0.0065	-2.5 to 2.5	Pass
				-10	3.85	-7.210	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-6.609	-0.0093	-2.5 to 2.5	Pass
				10	3.85	-7.925	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-4.063	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-8.683	-0.0122	-2.5 to 2.5	Pass
	713.5	25	0	20	3.27	-6.137	-0.0086	-2.5 to 2.5	Pass
					3.85	-5.722	-0.0080	-2.5 to 2.5	Pass
					4.43	-4.377	-0.0061	-2.5 to 2.5	Pass
				-30	3.85	-4.406	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-6.723	-0.0094	-2.5 to 2.5	Pass

				-10	3.85	-4.807	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-5.894	-0.0083	-2.5 to 2.5	Pass
				10	3.85	-6.366	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-9.484	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-9.670	-0.0136	-2.5 to 2.5	Pass
				50	3.85	-6.108	-0.0086	-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	3.27	-8.340	-0.0118	-2.5 to 2.5	Pass
					3.85	-7.453	-0.0105	-2.5 to 2.5	Pass
					4.43	-6.166	-0.0087	-2.5 to 2.5	Pass
				-30	3.85	-7.081	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-7.167	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-8.039	-0.0113	-2.5 to 2.5	Pass
				0	3.85	-7.067	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-6.881	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-4.463	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-5.279	-0.0074	-2.5 to 2.5	Pass
				50	3.85	-5.422	-0.0076	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-6.180	-0.0087	-2.5 to 2.5	Pass
					3.85	-8.869	-0.0125	-2.5 to 2.5	Pass
					4.43	-6.480	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-8.197	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-5.021	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-5.908	-0.0083	-2.5 to 2.5	Pass
				0	3.85	-9.756	-0.0137	-2.5 to 2.5	Pass
				10	3.85	-6.351	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-7.067	-0.0100	-2.5 to 2.5	Pass
				40	3.85	-7.396	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-7.782	-0.0110	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-5.322	-0.0075	-2.5 to 2.5	Pass
					3.85	-6.394	-0.0090	-2.5 to 2.5	Pass
					4.43	-8.554	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-8.512	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-5.951	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-7.195	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-6.123	-0.0086	-2.5 to 2.5	Pass
				50	3.85	-8.583	-0.0121	-2.5 to 2.5	Pass
16QAM	709	50	0	20	3.27	-5.765	-0.0081	-2.5 to 2.5	Pass
					3.85	-9.198	-0.0130	-2.5 to 2.5	Pass
					4.43	-7.381	-0.0104	-2.5 to 2.5	Pass
				-30	3.85	-11.358	-0.0160	-2.5 to 2.5	Pass
				-20	3.85	-10.958	-0.0155	-2.5 to 2.5	Pass
				-10	3.85	-4.735	-0.0067	-2.5 to 2.5	Pass
				0	3.85	-6.351	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-8.039	-0.0113	-2.5 to 2.5	Pass
				30	3.85	-5.994	-0.0085	-2.5 to 2.5	Pass
				40	3.85	-8.554	-0.0121	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0082	-2.5 to 2.5	Pass
	710	50	0	20	3.27	-7.710	-0.0109	-2.5 to 2.5	Pass

					3.85	-4.077	-0.0057	-2.5 to 2.5	Pass
					4.43	-9.599	-0.0135	-2.5 to 2.5	Pass
				-30	3.85	-8.812	-0.0124	-2.5 to 2.5	Pass
				-20	3.85	-7.124	-0.0100	-2.5 to 2.5	Pass
				-10	3.85	-7.911	-0.0111	-2.5 to 2.5	Pass
				0	3.85	-6.924	-0.0098	-2.5 to 2.5	Pass
				10	3.85	-9.441	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-7.524	-0.0106	-2.5 to 2.5	Pass
				40	3.85	-9.284	-0.0131	-2.5 to 2.5	Pass
				50	3.85	-6.437	-0.0091	-2.5 to 2.5	Pass
	711	50	0	20	3.27	-4.649	-0.0065	-2.5 to 2.5	Pass
					3.85	-6.123	-0.0086	-2.5 to 2.5	Pass
					4.43	-2.317	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.665	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-3.805	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-3.605	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-6.223	-0.0088	-2.5 to 2.5	Pass
				30	3.85	-8.783	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-8.383	-0.0118	-2.5 to 2.5	Pass
				50	3.85	-9.885	-0.0139	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B17_5MHz

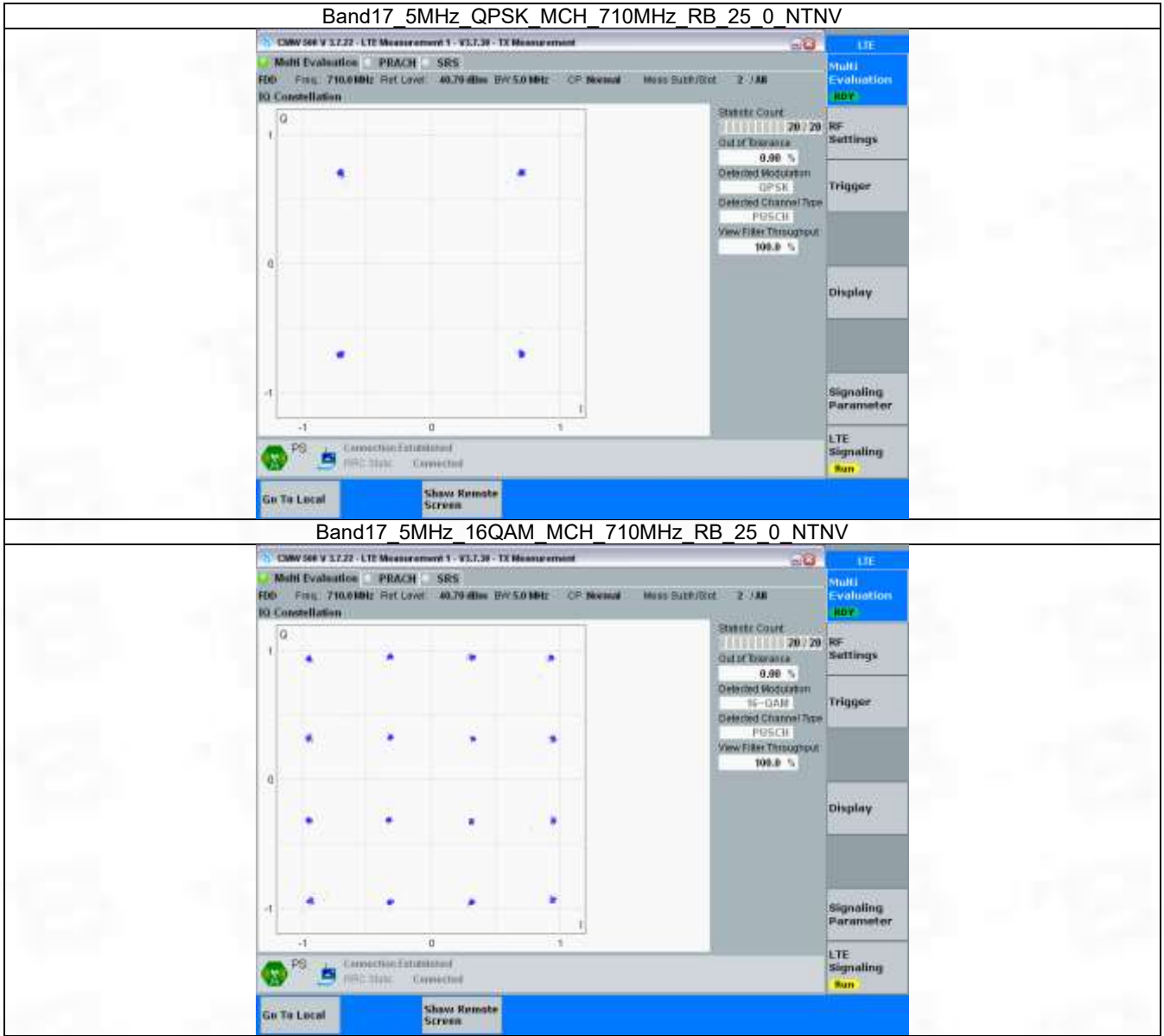
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	25	0	Refer To Test Graph		Pass
16QAM	710	25	0	Refer To Test Graph		Pass

3.1.2 B17_10MHz

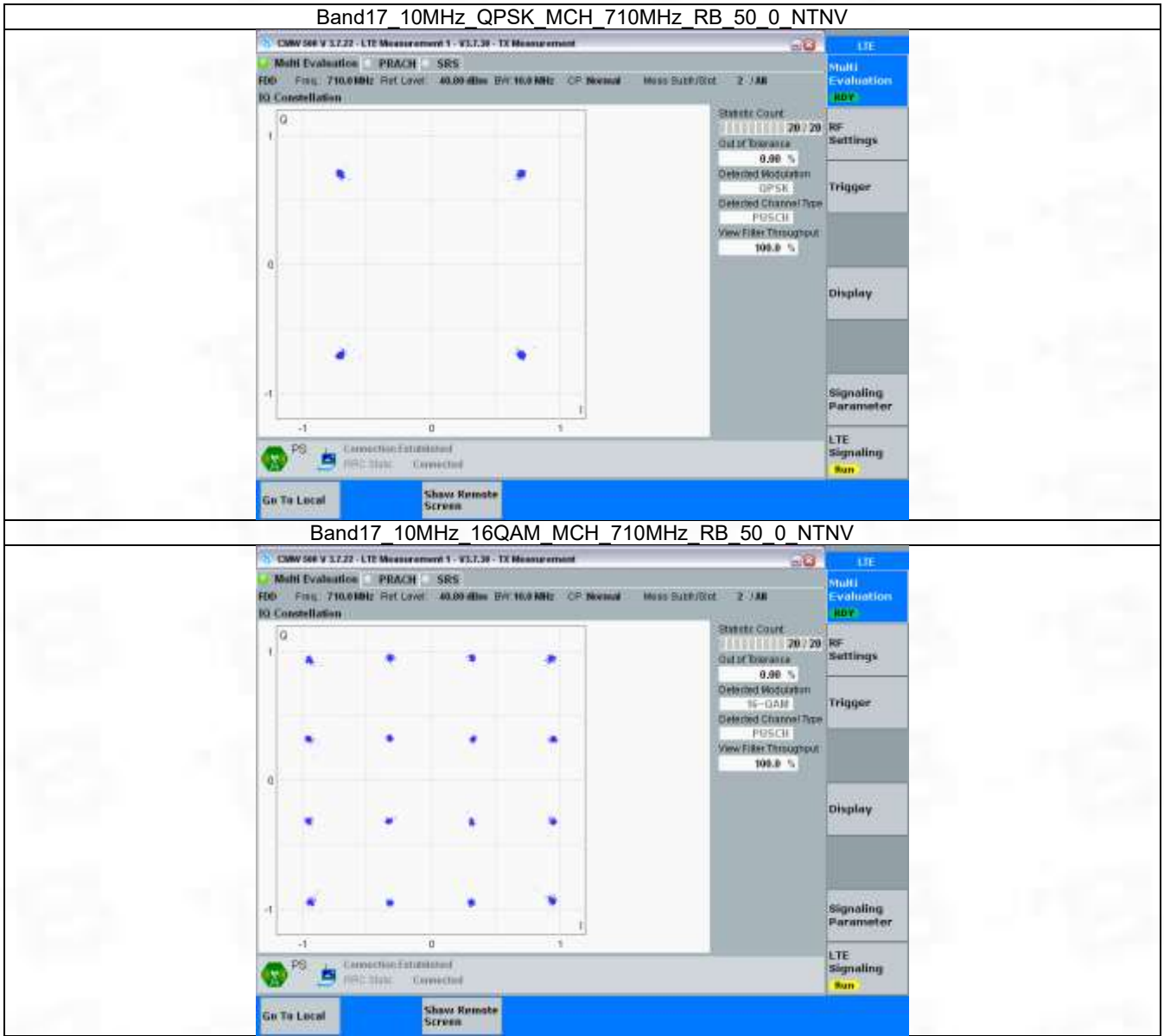
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	710	50	0	Refer To Test Graph		Pass
16QAM	710	50	0	Refer To Test Graph		Pass

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

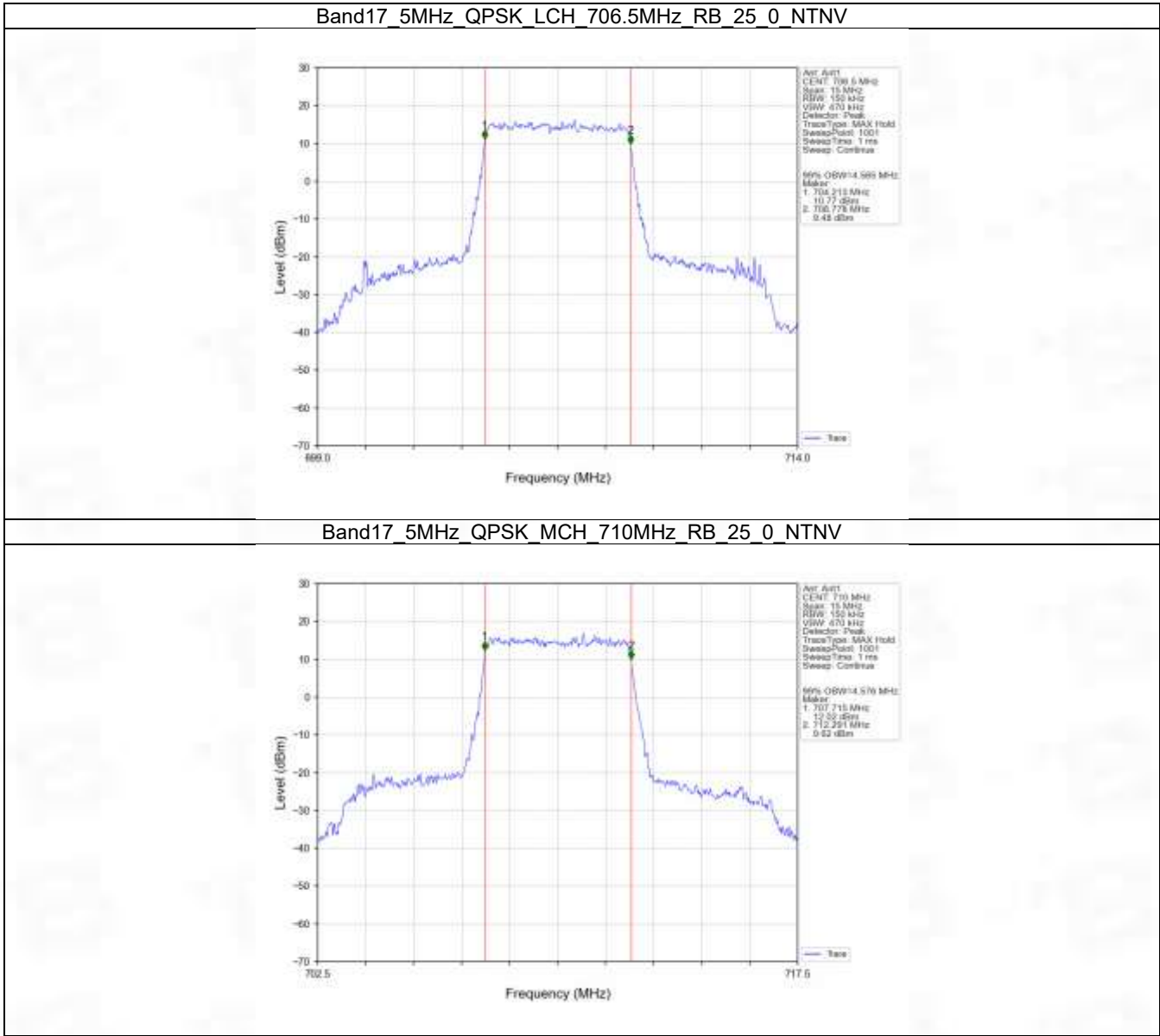
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	4.565	/	Pass
		710	25	0	4.576	/	Pass
		713.5	25	0	4.568	/	Pass
	16QAM	706.5	25	0	4.587	/	Pass
		710	25	0	4.563	/	Pass
		713.5	25	0	4.568	/	Pass
10	QPSK	709	50	0	9.111	/	Pass
		710	50	0	9.071	/	Pass
		711	50	0	9.107	/	Pass
	16QAM	709	50	0	9.104	/	Pass
		710	50	0	9.098	/	Pass
		711	50	0	9.104	/	Pass

4.1.2 Band17_XDB

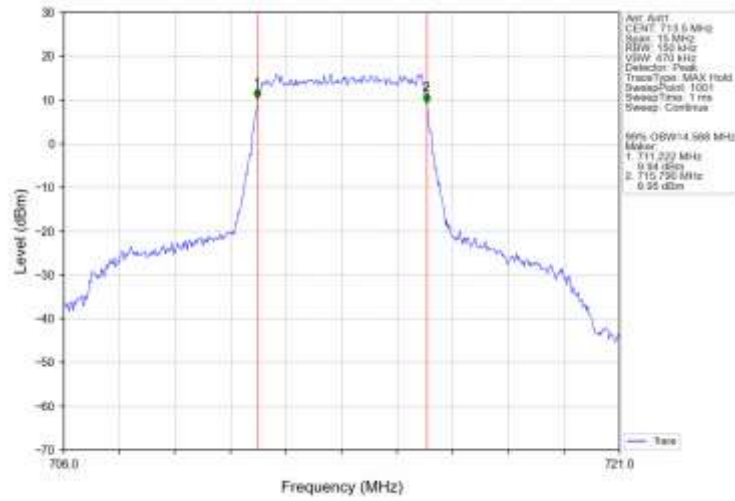
Band: 17 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	706.5	25	0	5.284	/	Pass
		710	25	0	5.242	/	Pass
		713.5	25	0	5.298	/	Pass
	16QAM	706.5	25	0	5.264	/	Pass
		710	25	0	5.330	/	Pass
		713.5	25	0	5.286	/	Pass
10	QPSK	709	50	0	10.279	/	Pass
		710	50	0	10.304	/	Pass
		711	50	0	10.400	/	Pass
	16QAM	709	50	0	10.295	/	Pass
		710	50	0	10.374	/	Pass
		711	50	0	10.283	/	Pass

4.2 Test Graph

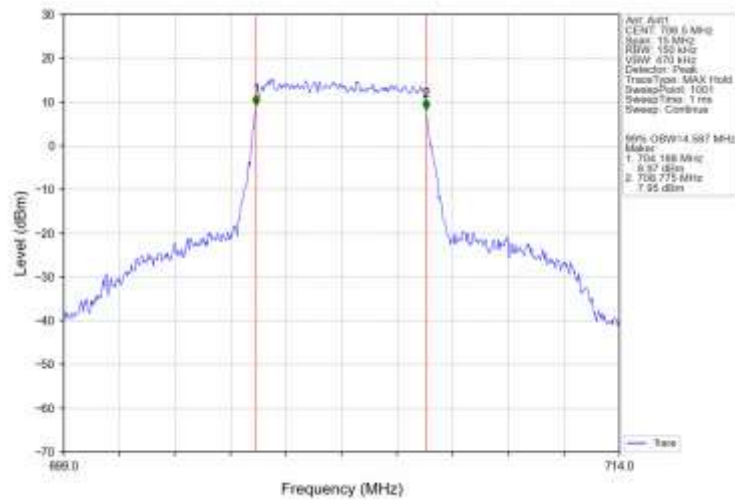
4.2.1 Band17_OBW



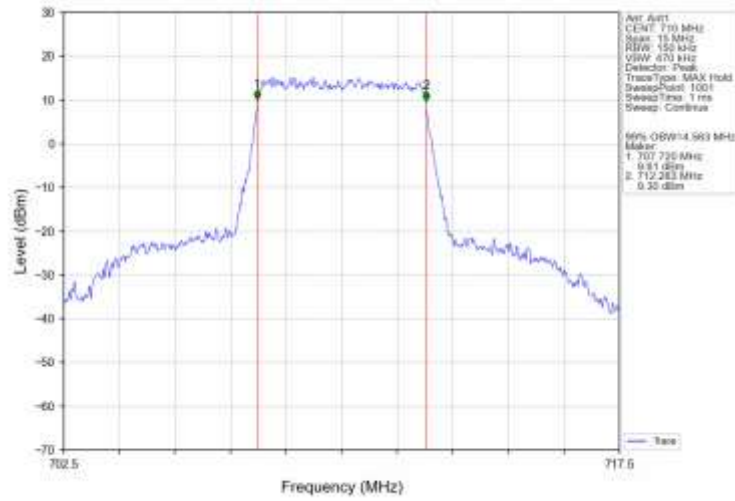
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



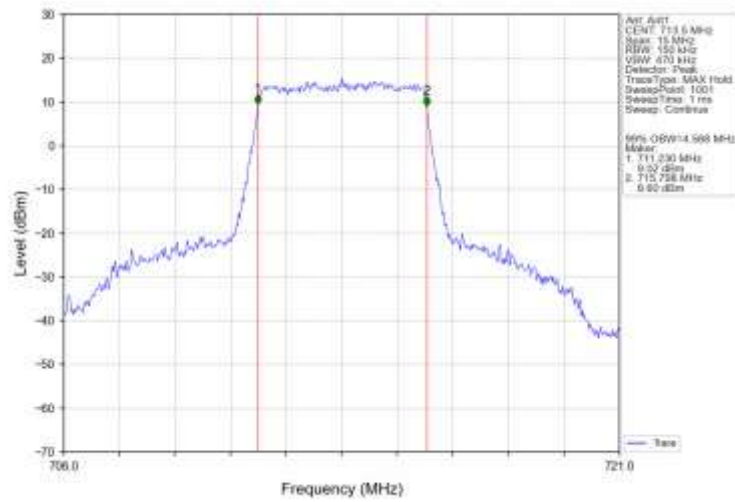
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



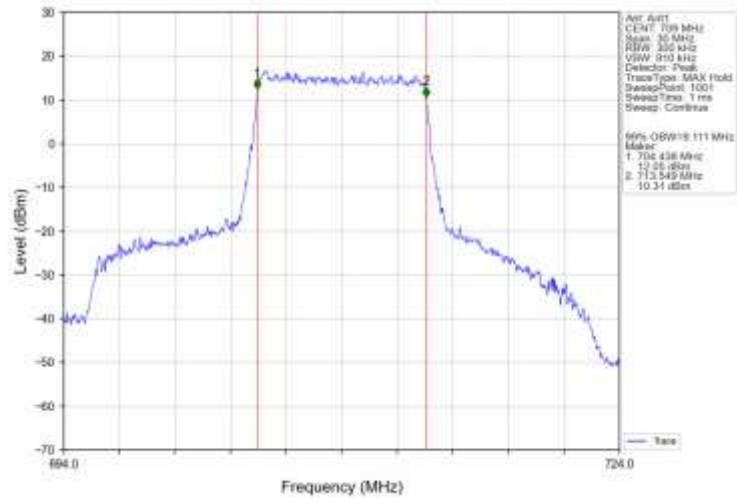
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



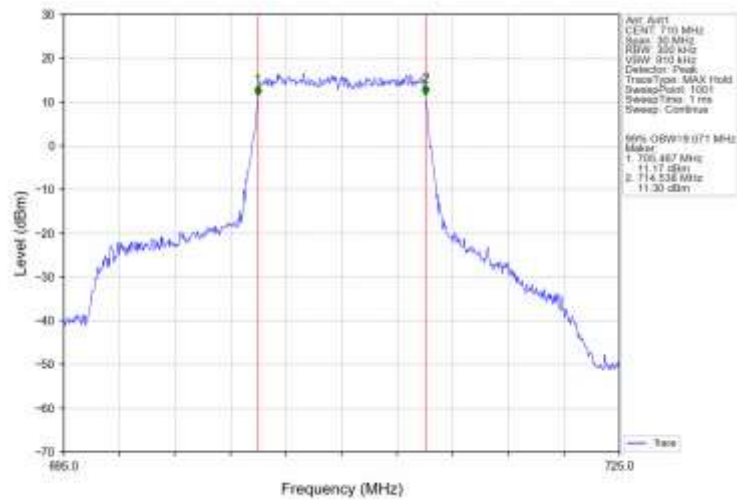
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



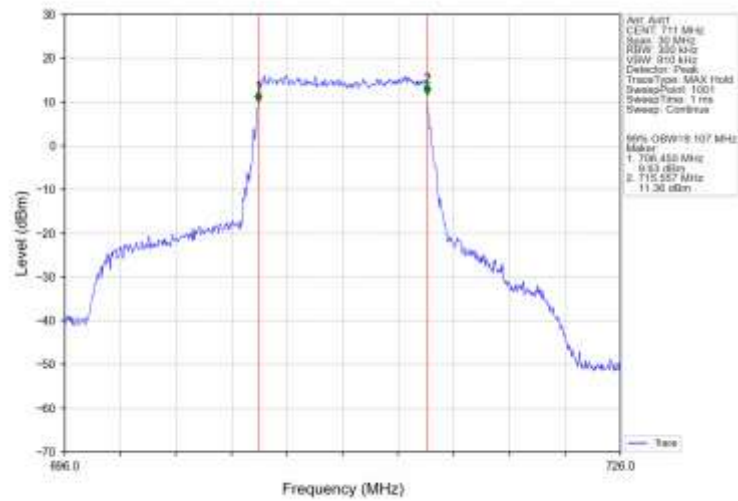
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



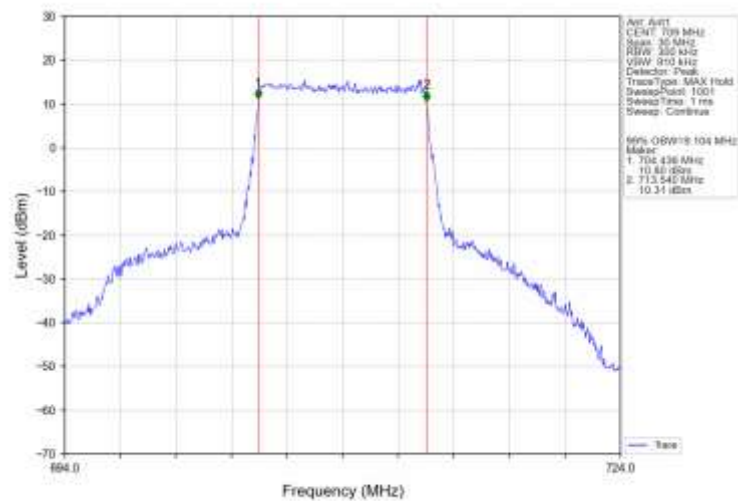
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



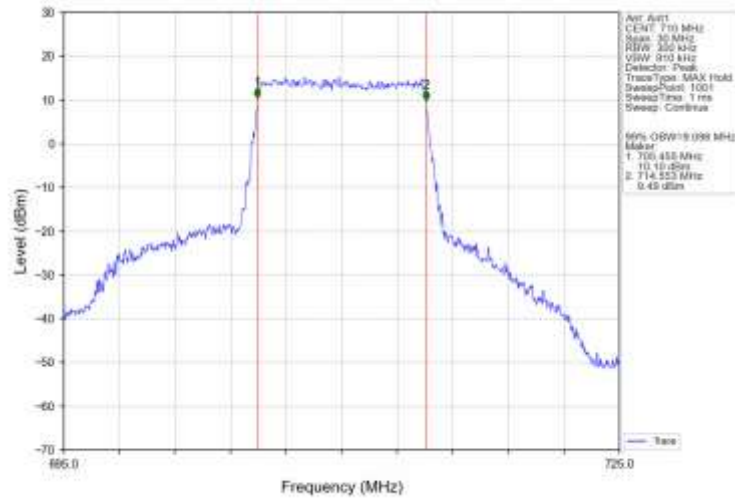
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



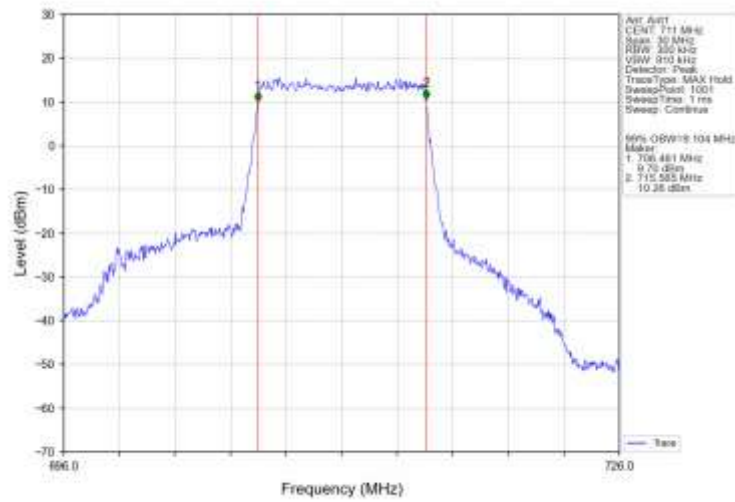
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



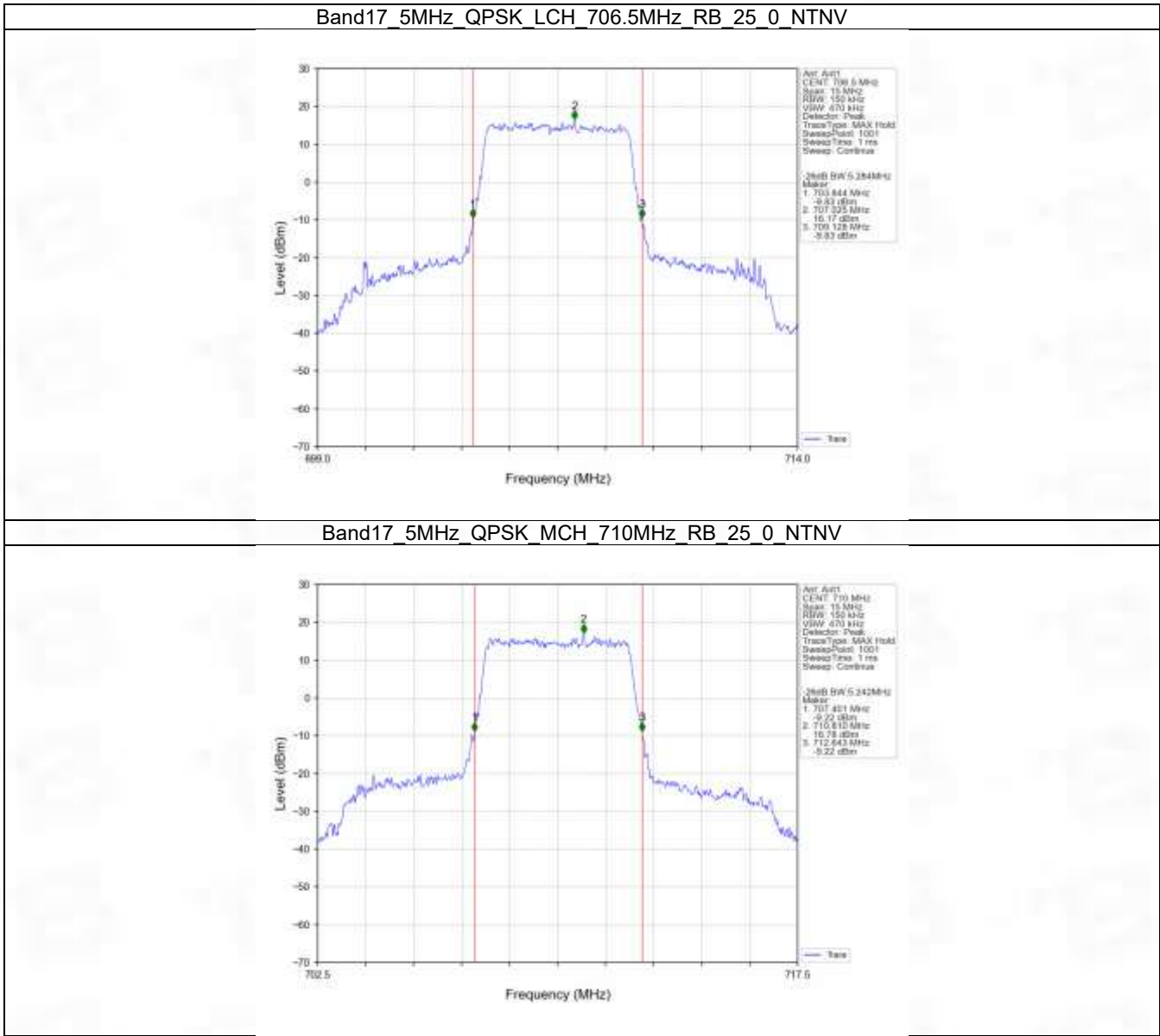
Band17 10MHz 16QAM MCH 710MHz RB 50 0 NTV



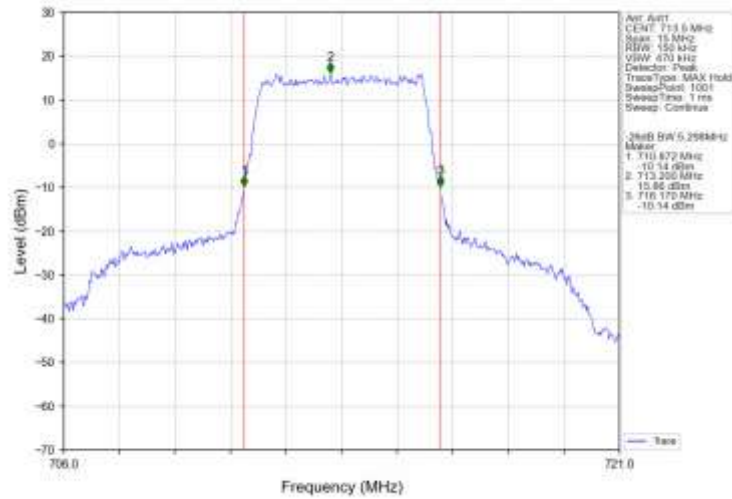
Band17 10MHz 16QAM HCH 711MHz RB 50 0 NTV



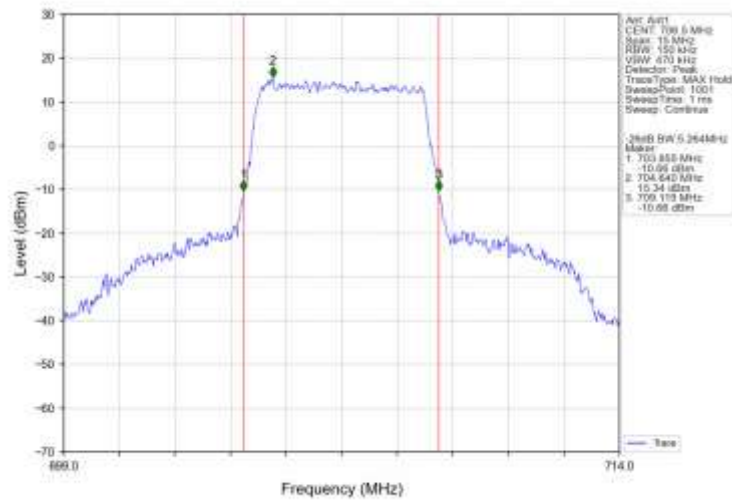
4.2.2 Band17_XDB



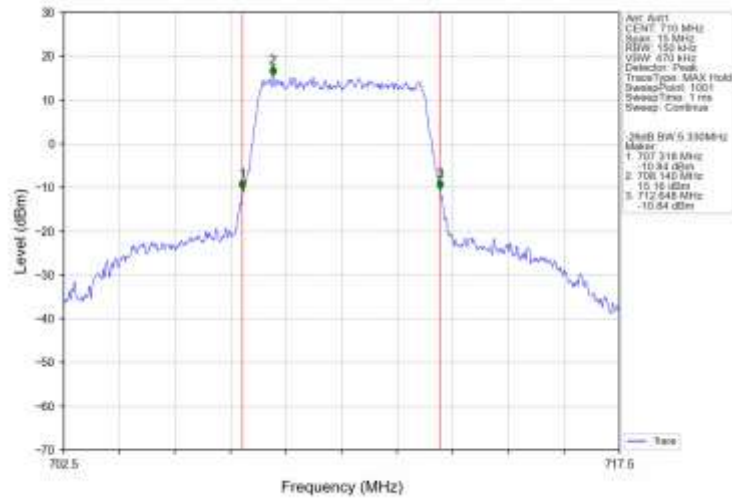
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



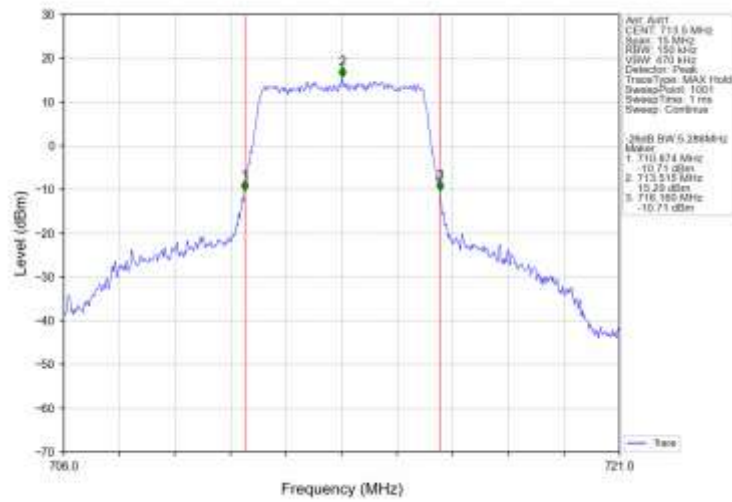
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



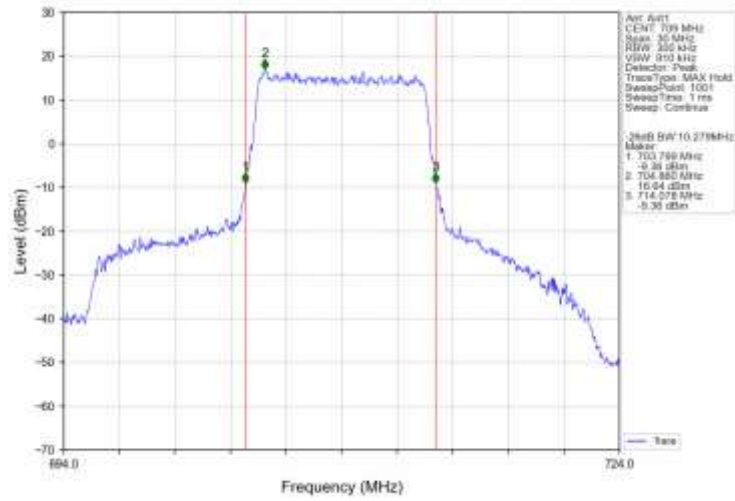
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



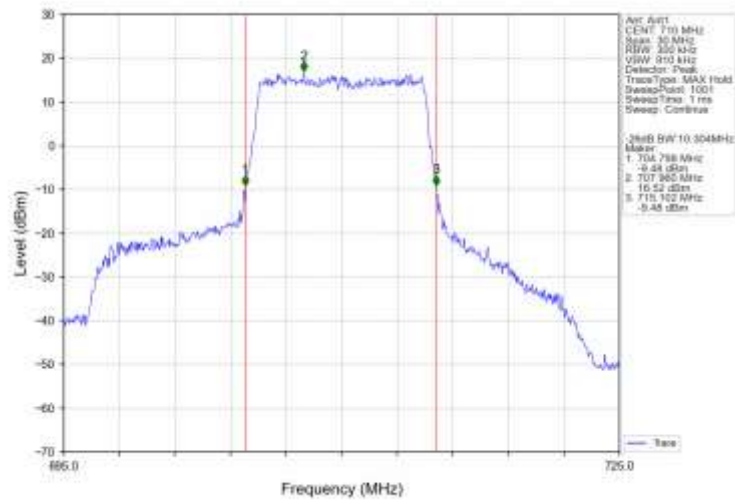
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



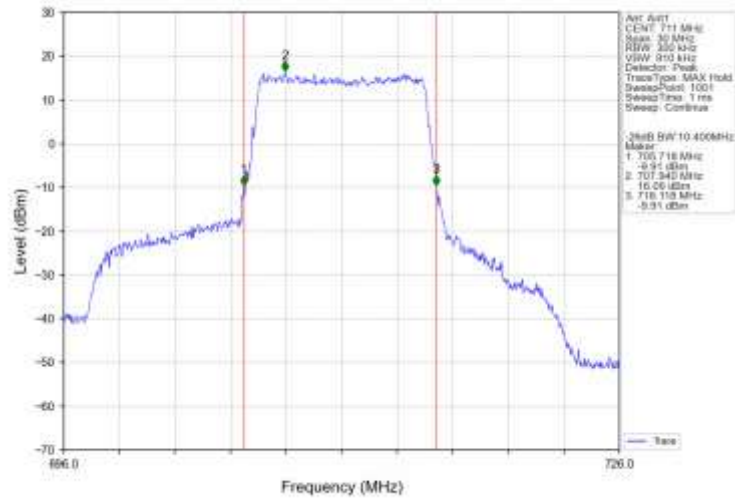
Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV



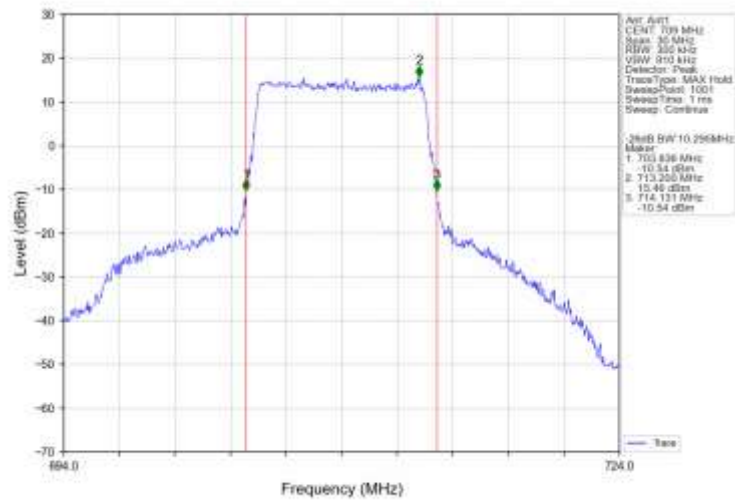
Band17_10MHz_QPSK_MCH_710MHz_RB_50_0_NTNV



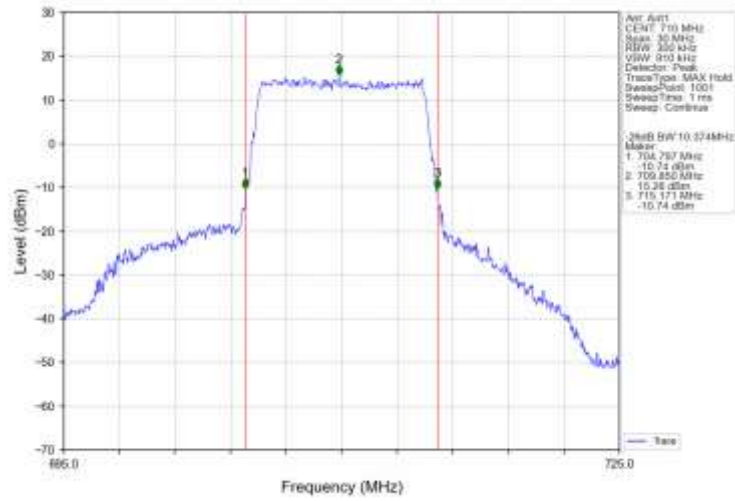
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



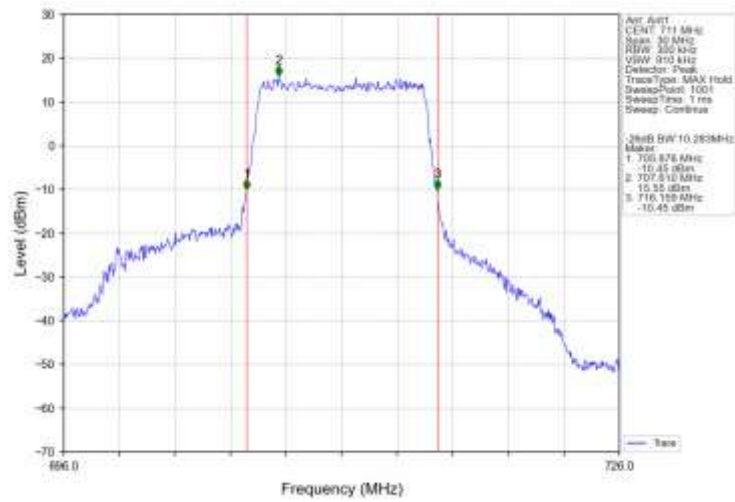
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B17_5MHz

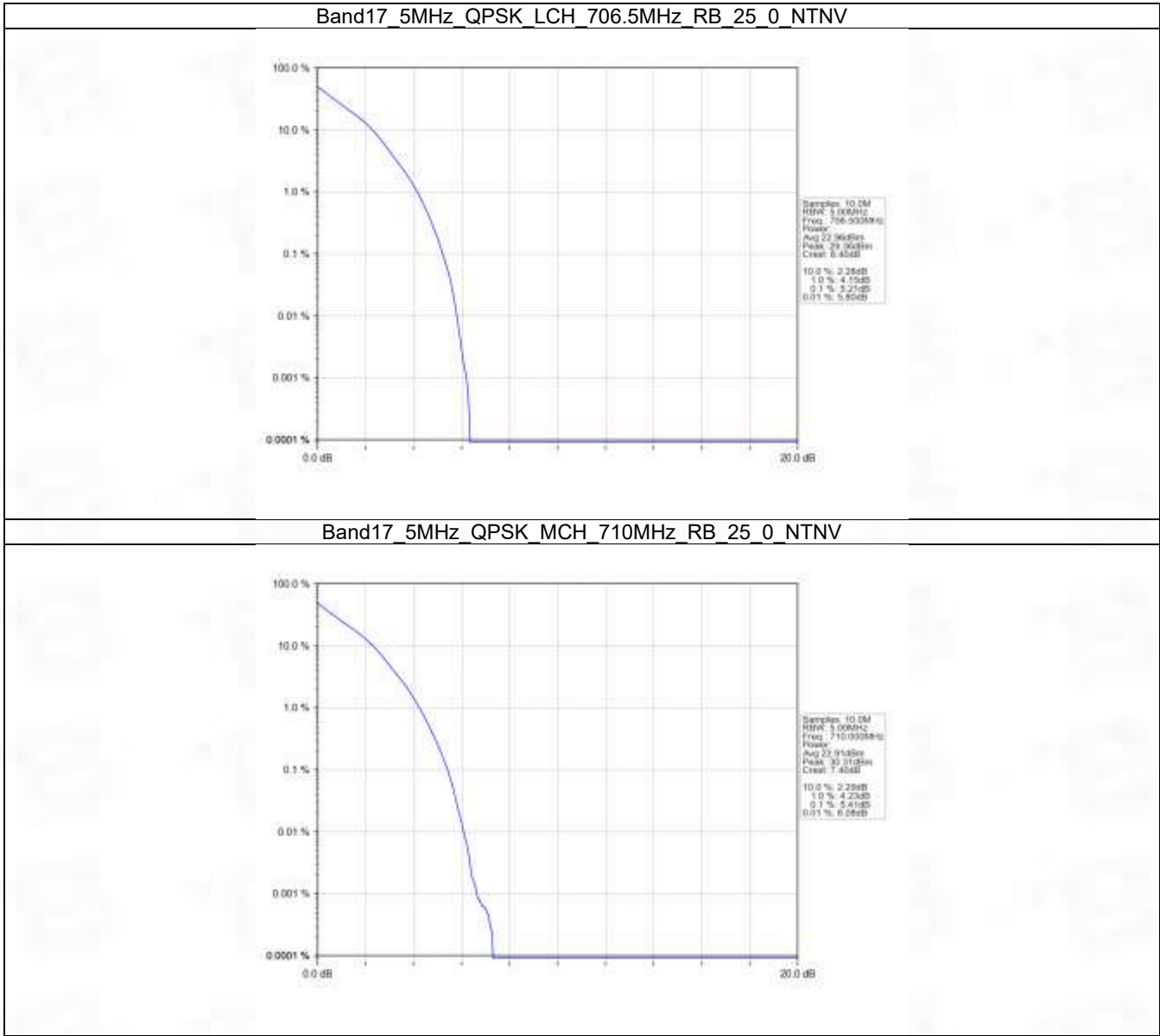
Band: 17 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	25	0	5.21	<=13	Pass
	710	25	0	5.41	<=13	Pass
	713.5	25	0	5.30	<=13	Pass
16QAM	706.5	25	0	5.91	<=13	Pass
	710	25	0	6.06	<=13	Pass
	713.5	25	0	5.95	<=13	Pass

5.1.2 B17_10MHz

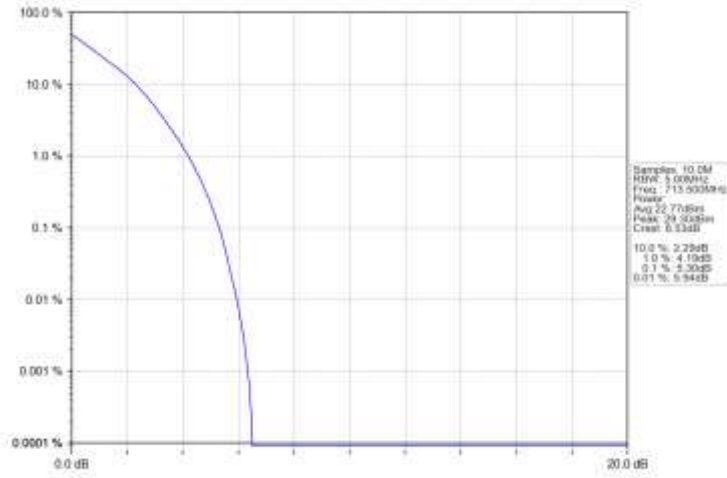
Band: 17 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	709	50	0	5.31	<=13	Pass
	710	50	0	5.32	<=13	Pass
	711	50	0	5.34	<=13	Pass
16QAM	709	50	0	6.02	<=13	Pass
	710	50	0	6.04	<=13	Pass
	711	50	0	6.03	<=13	Pass

5.2 Test Graph

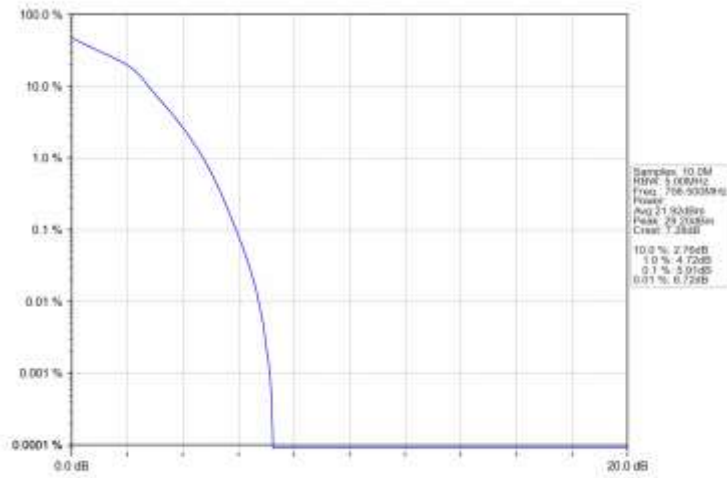
5.2.1 B17_5MHz



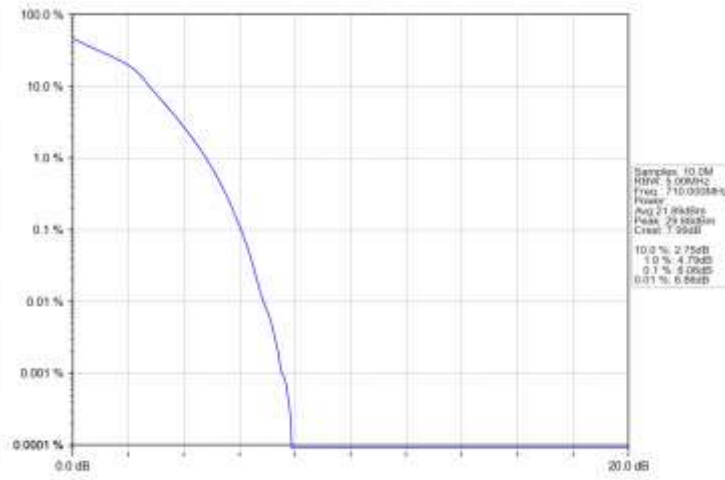
Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV



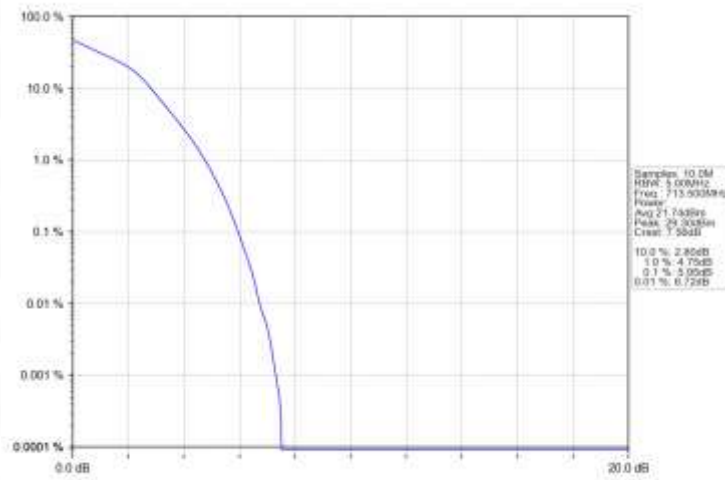
Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV



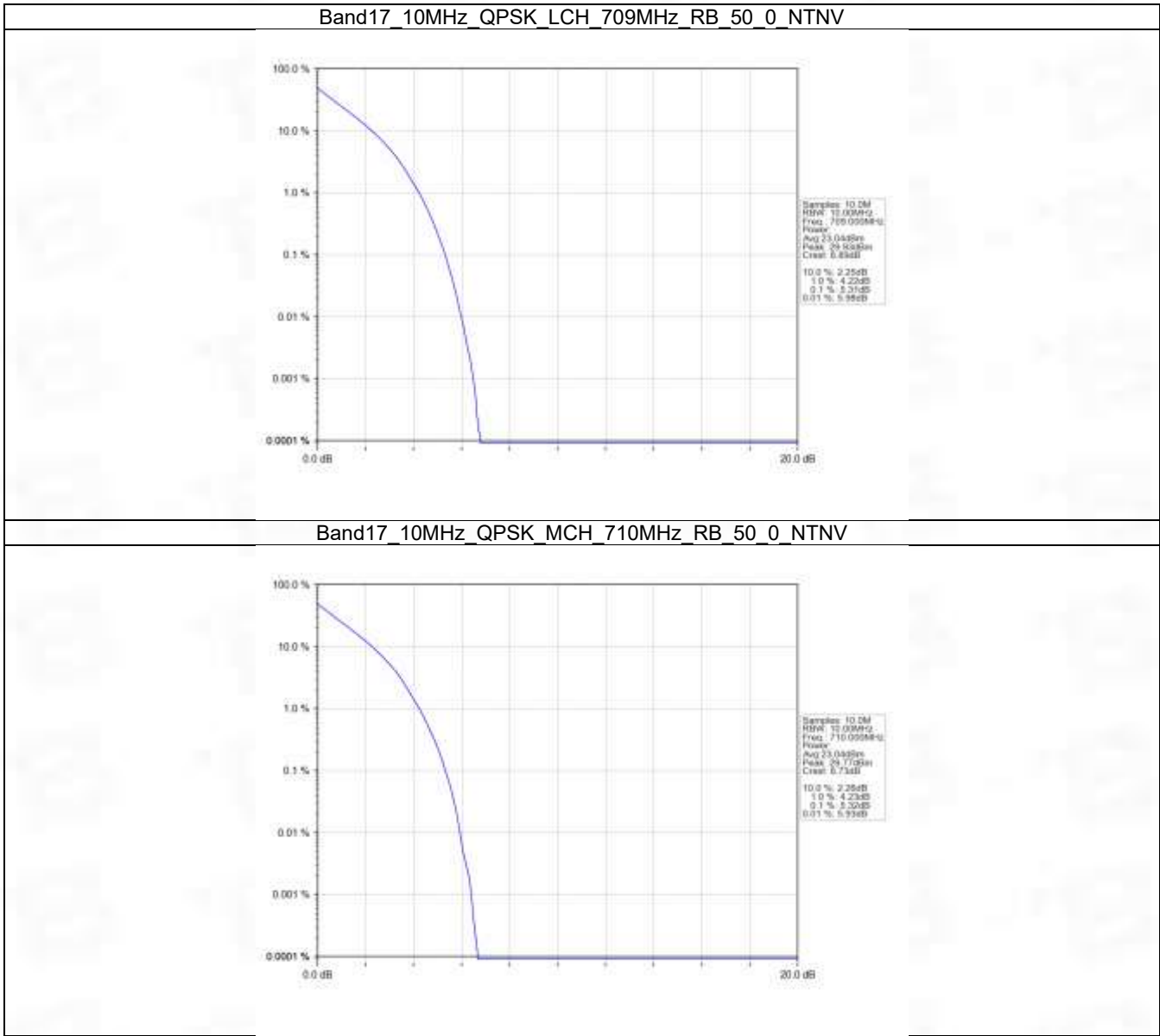
Band17_5MHz_16QAM_MCH_710MHz_RB_25_0_NTNV



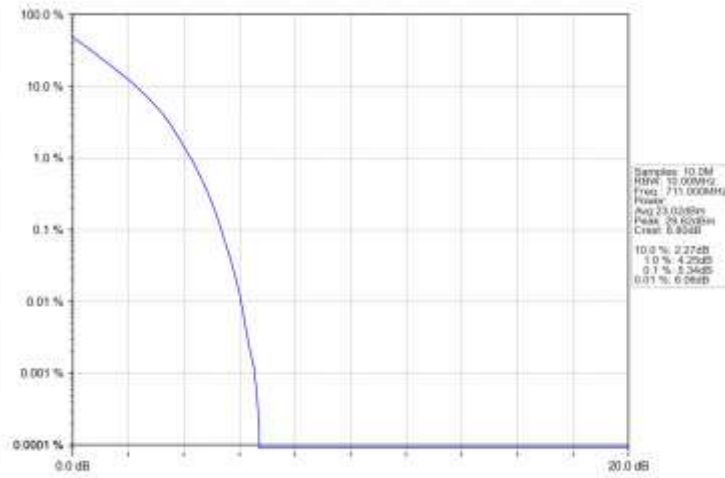
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



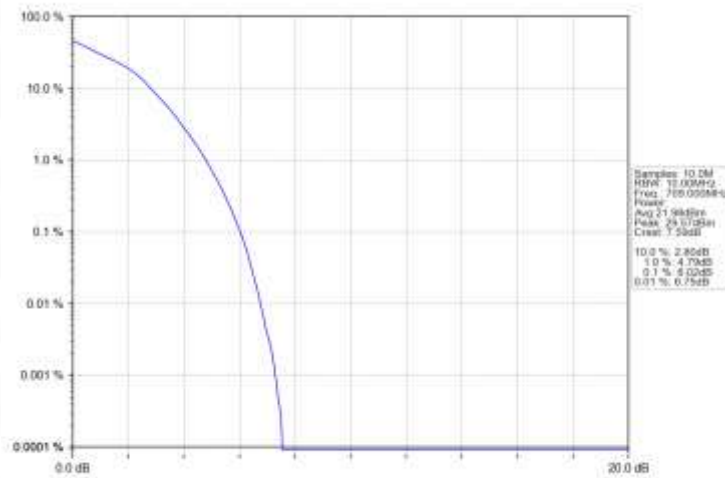
5.2.2 B17_10MHz



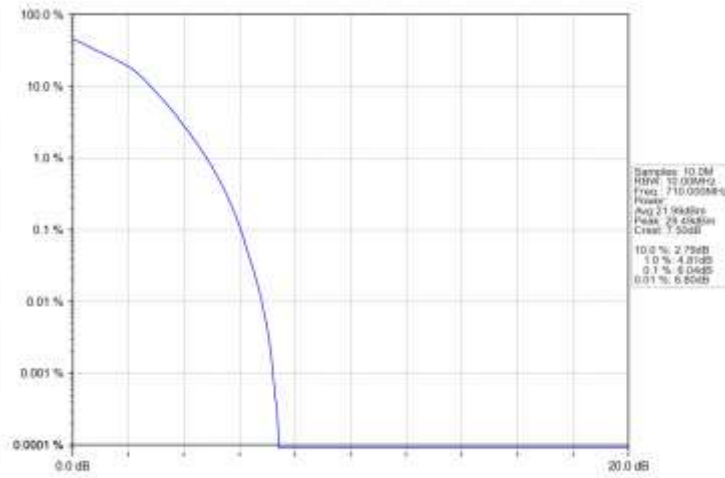
Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV



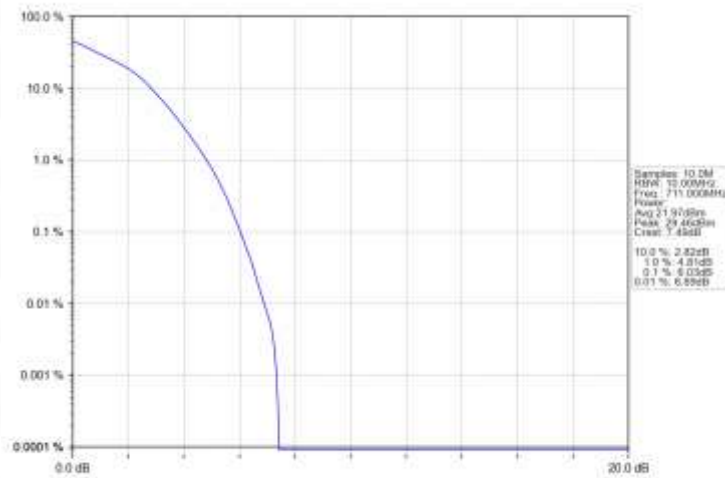
Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_MCH_710MHz_RB_50_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B17_5MHz

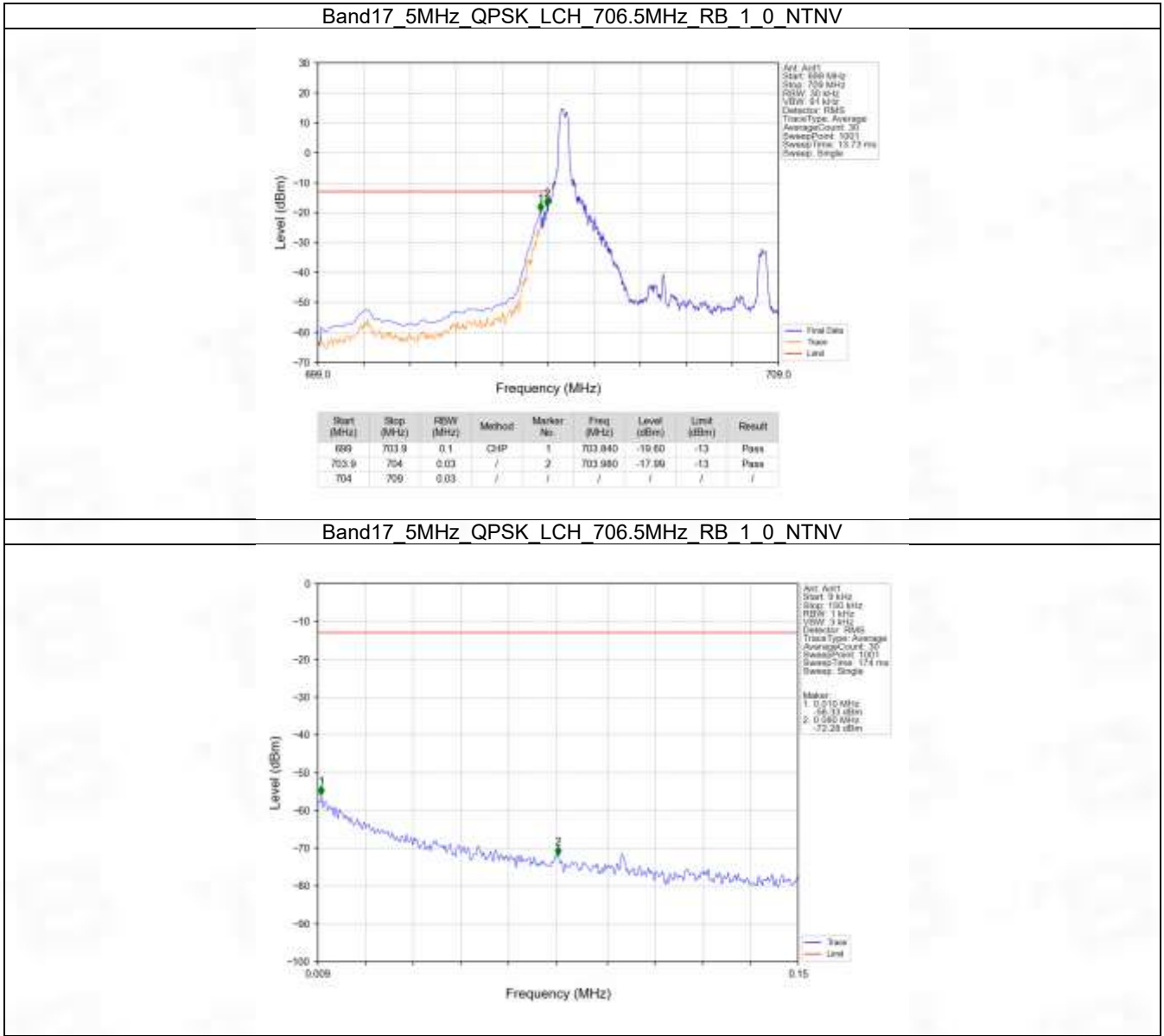
Band: 17 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	706.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	713.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test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

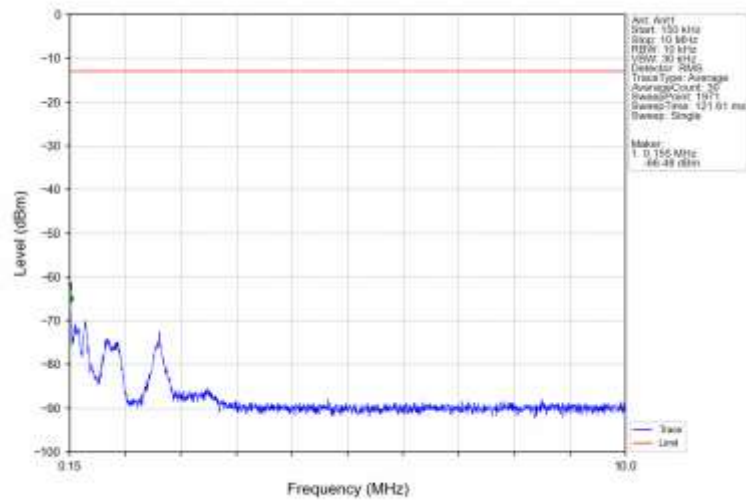
Band: 17 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	709	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	710	1	0	Refer To Test Graph		Pass
	711	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	709	1	0	Refer To Test Graph		Pass
		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

6.2 Test Graph

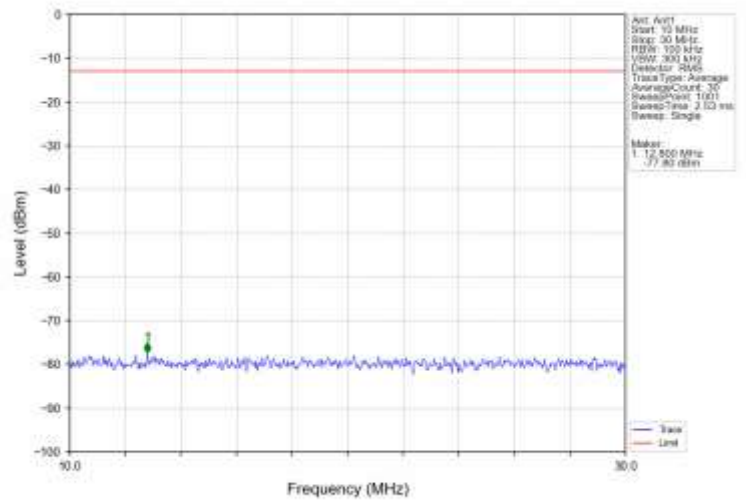
6.2.1 B17_5MHz



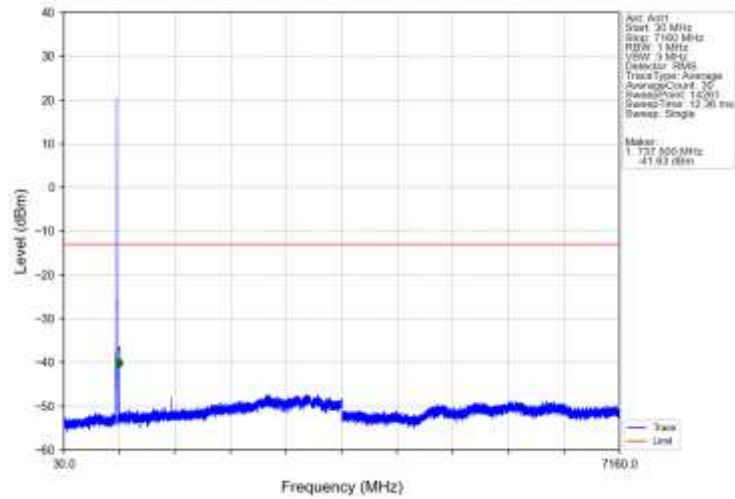
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



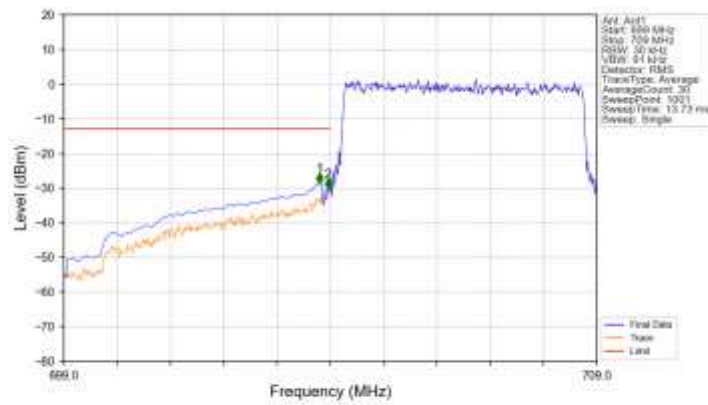
Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_LCH_706.5MHz_RB_1_0_NTNV

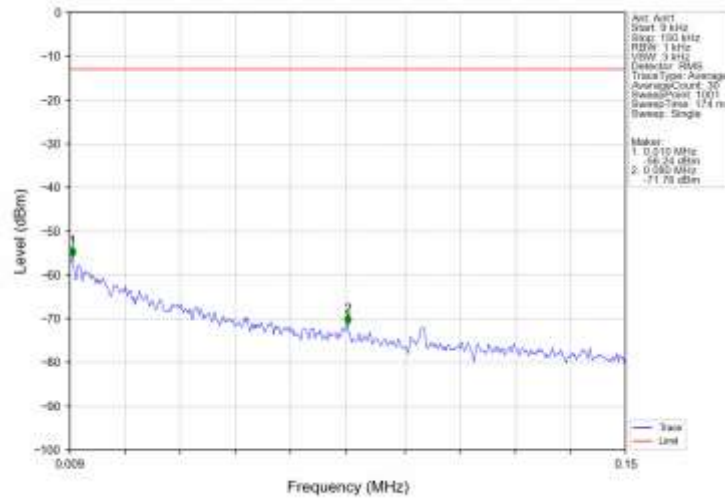


Band17_5MHz_QPSK_LCH_706.5MHz_RB_25_0_NTNV

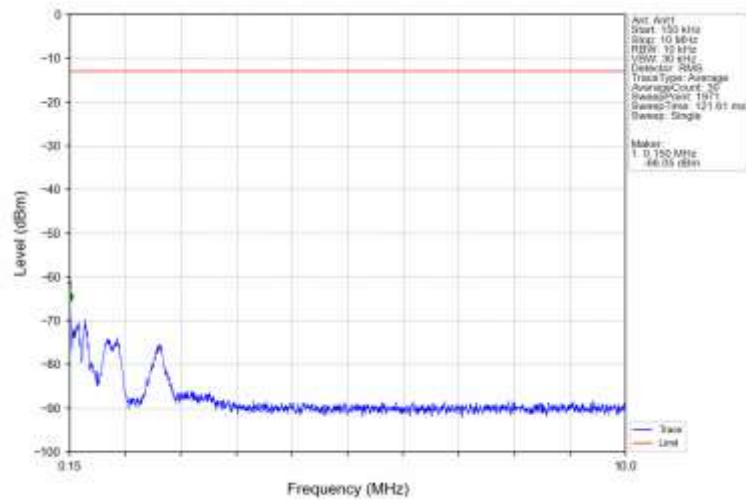


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	C4P	1	703.800	-26.79	-13	Pass
703.9	704	0.03	/	2	703.960	-30.44	-13	Pass
704	709	0.03	/	/	/	/	/	/

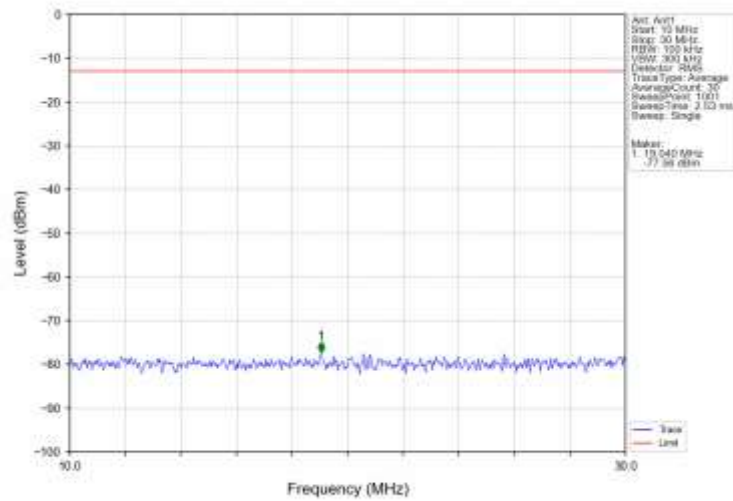
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



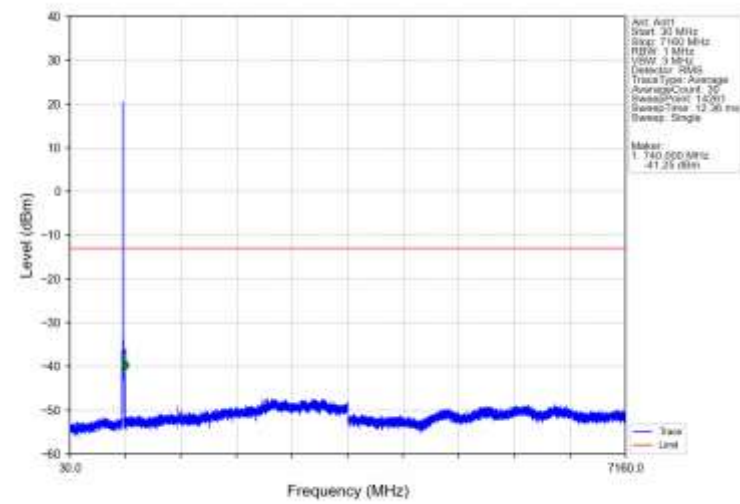
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



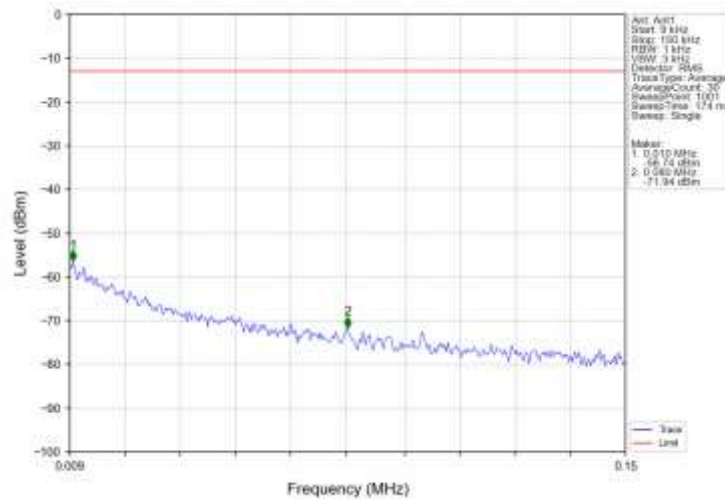
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



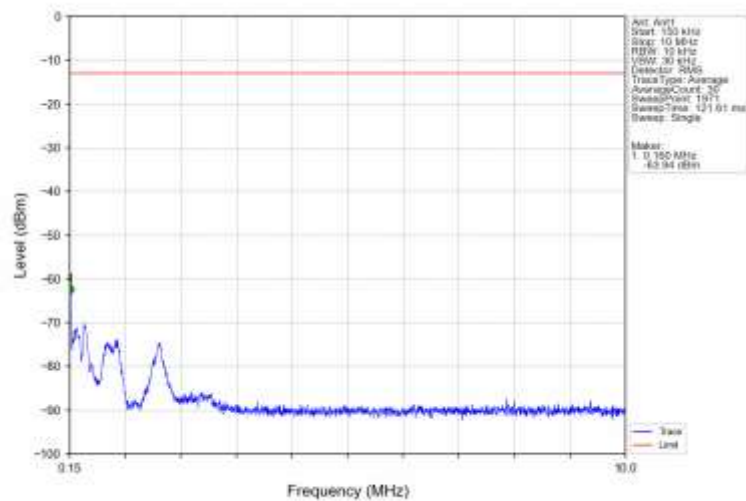
Band17_5MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



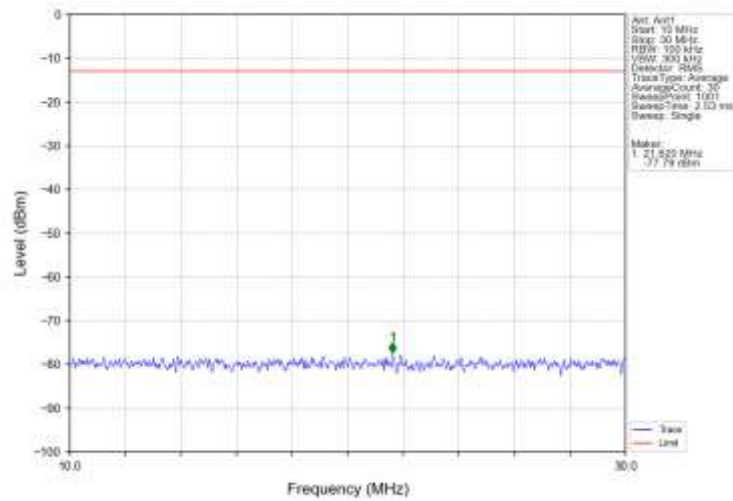
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



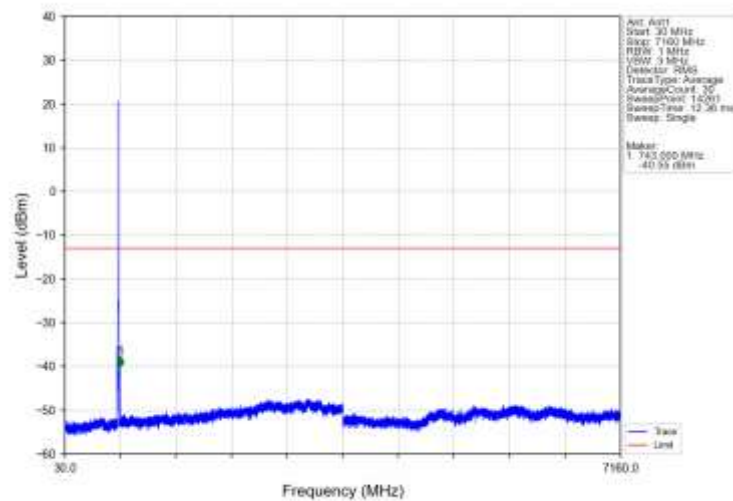
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



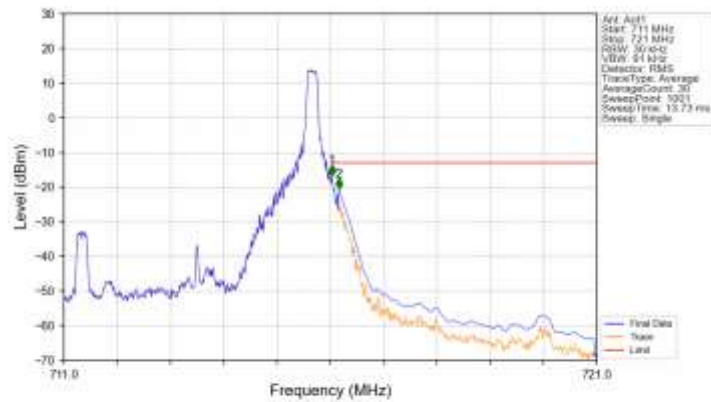
Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV



Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_0_NTNV

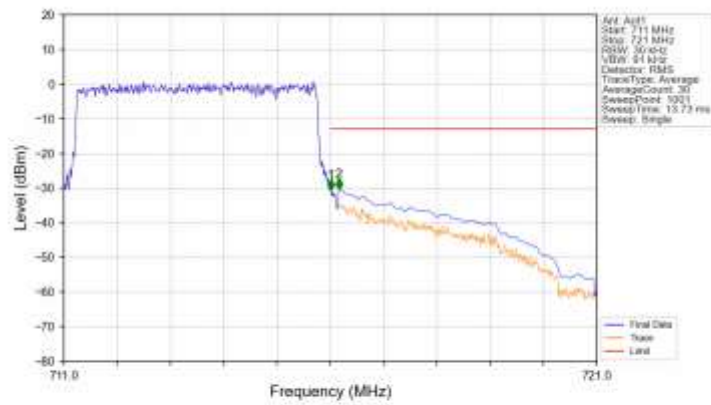


Band17_5MHz_QPSK_HCH_713.5MHz_RB_1_24_NTNV



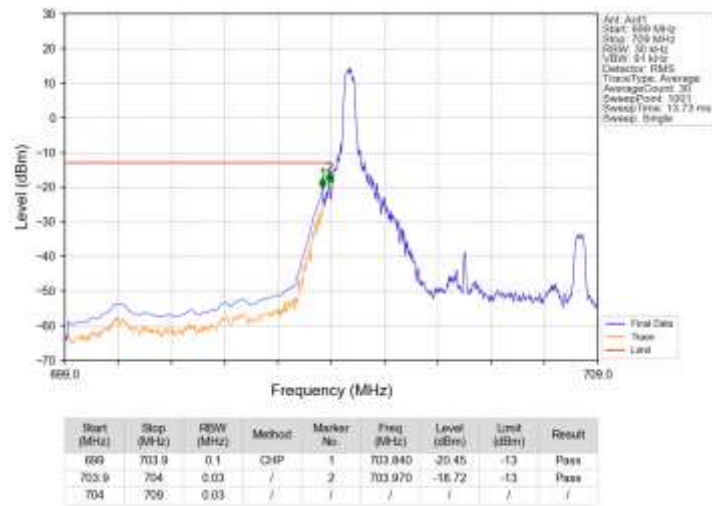
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.030	-16.67	-13	Pass
716.1	721	0.1	CHP	2	716.160	-20.61	-13	Pass

Band17_5MHz_QPSK_HCH_713.5MHz_RB_25_0_NTNV

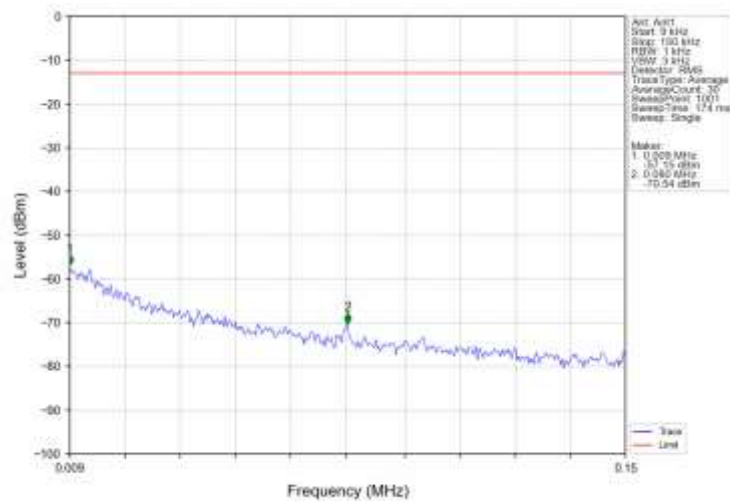


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
711	716	0.03	/	1	716.010	-30.66	-13	Pass
716.1	721	0.1	CHP	2	716.160	-30.41	-13	Pass

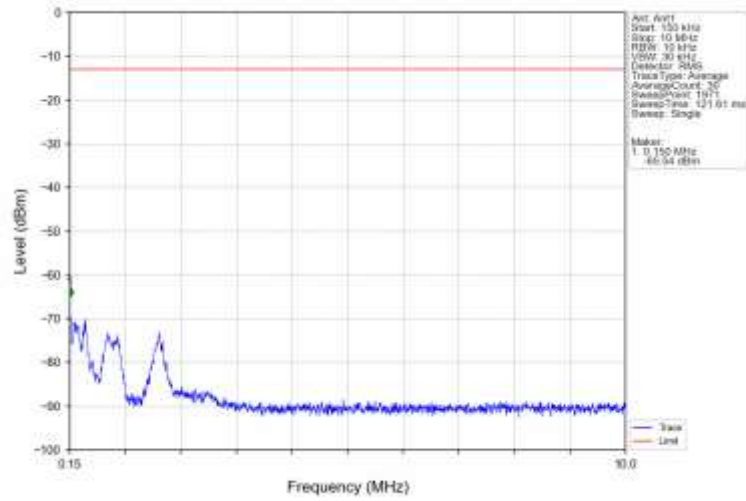
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



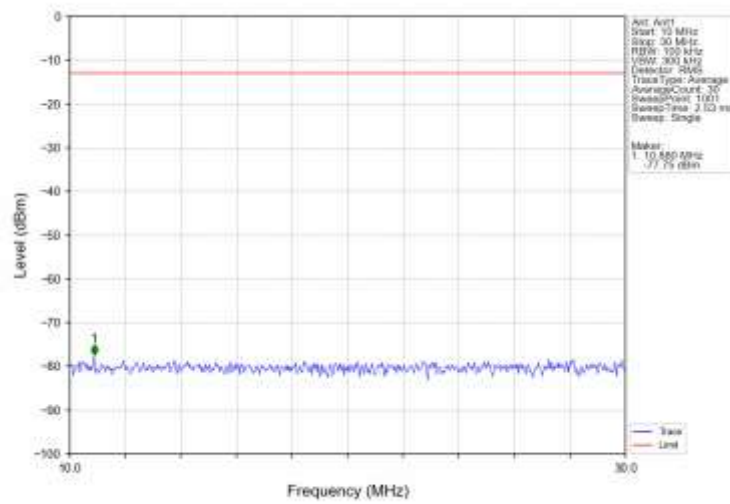
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



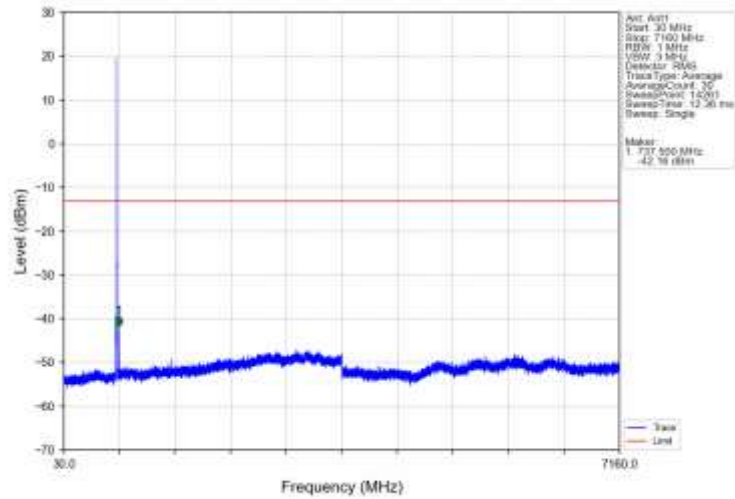
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



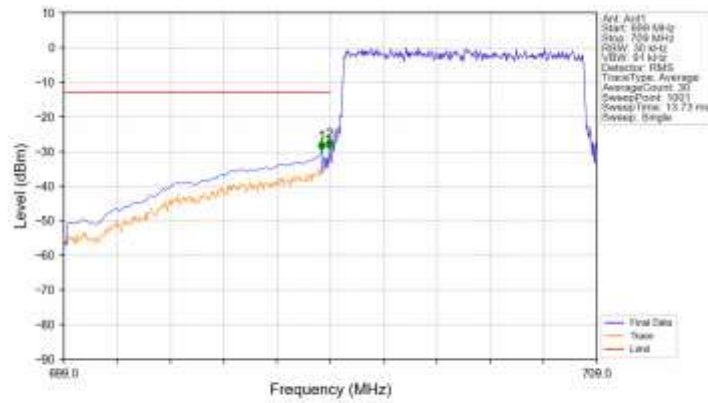
Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV



Band17_5MHz_16QAM_LCH_706.5MHz_RB_1_0_NTNV

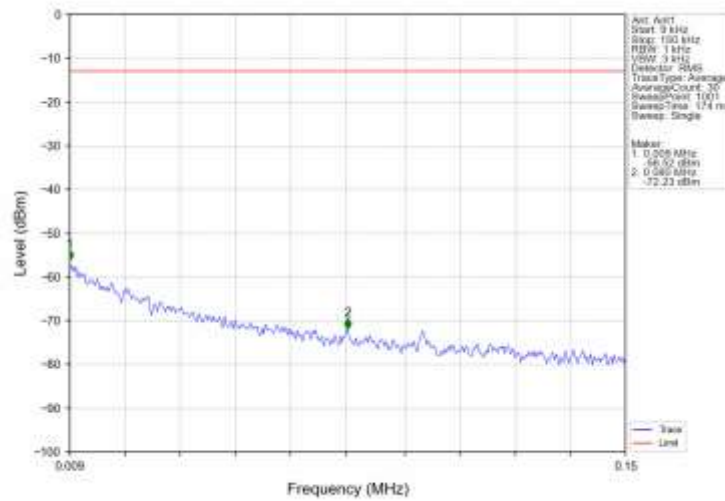


Band17_5MHz_16QAM_LCH_706.5MHz_RB_25_0_NTNV

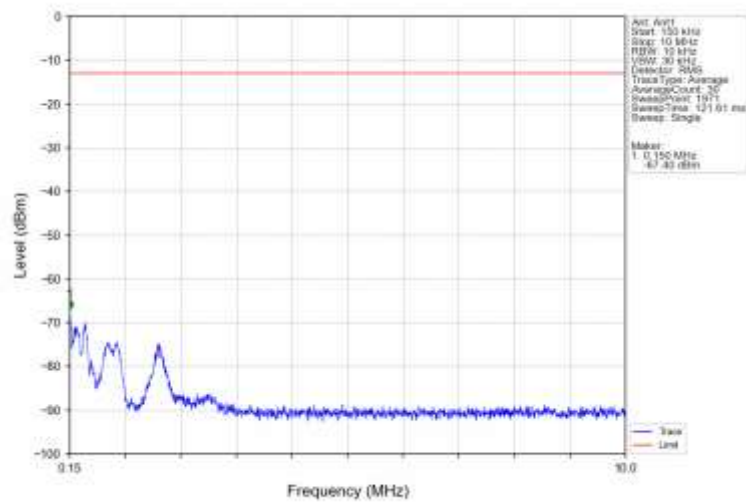


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
699	703.9	0.1	C4P	1	703.940	-29.85	-13	Pass
703.9	704	0.03	/	2	703.980	-29.26	-13	Pass
704	709	0.03	/	/	/	/	/	/

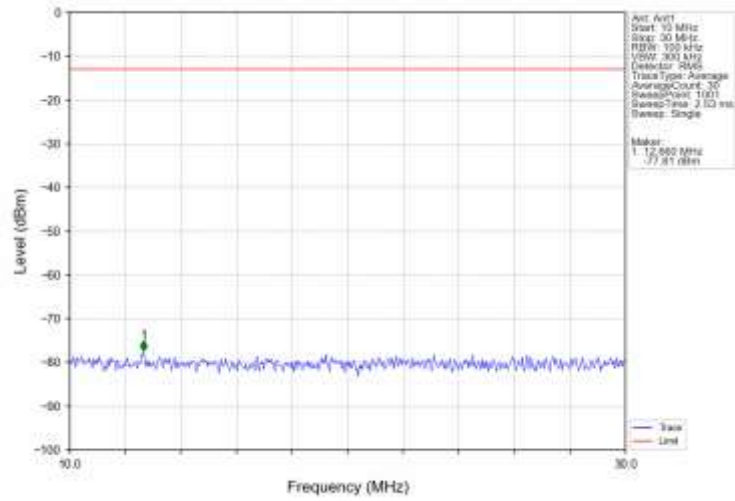
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



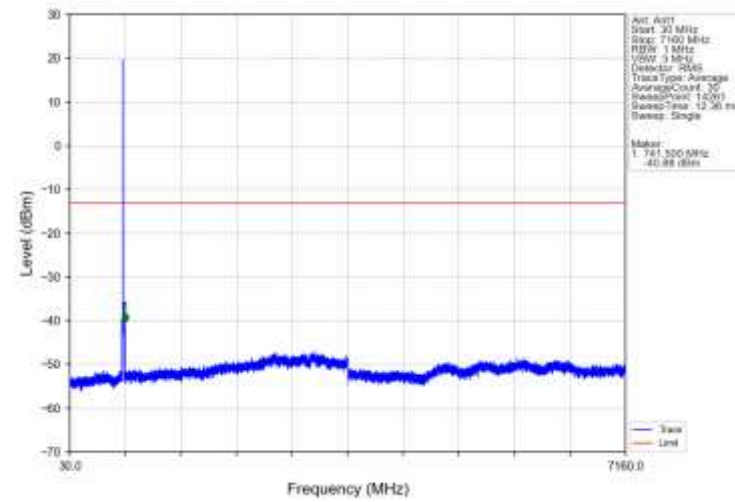
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



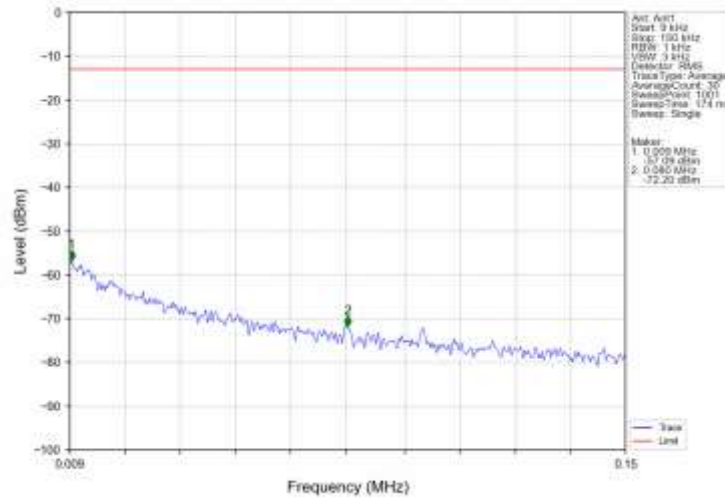
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



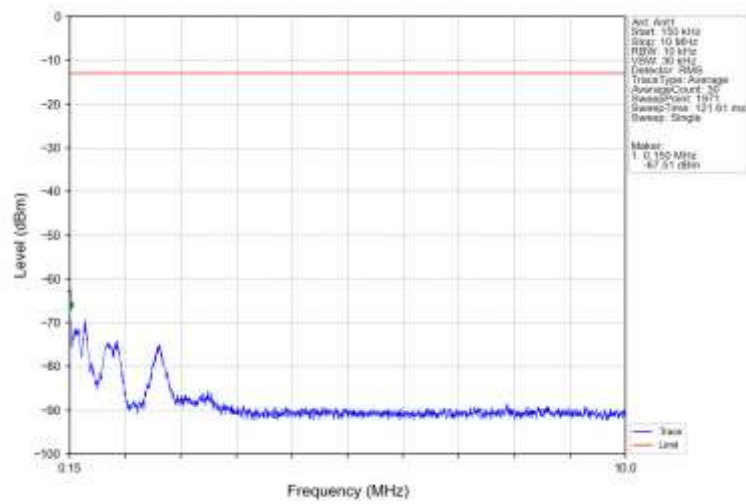
Band17_5MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



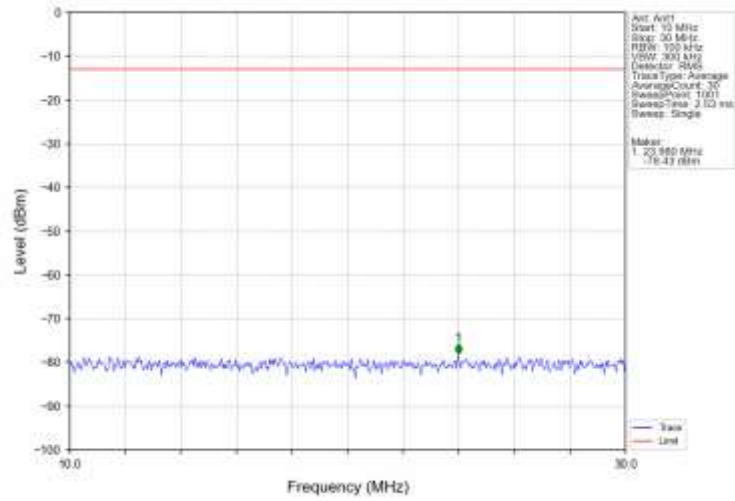
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



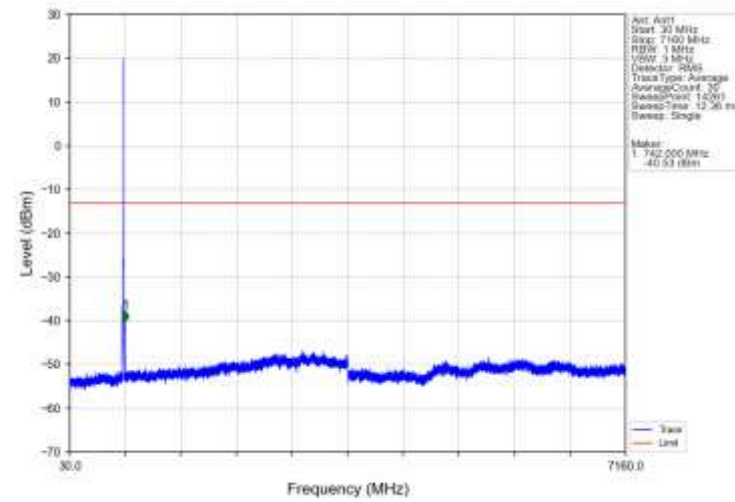
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



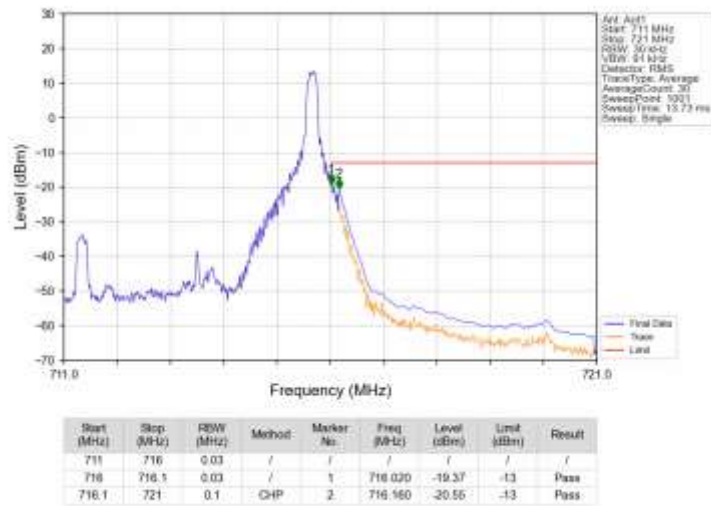
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



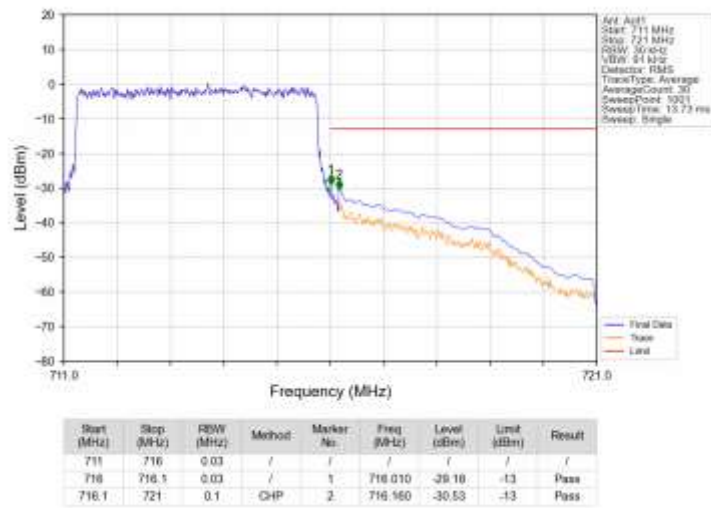
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_0_NTNV



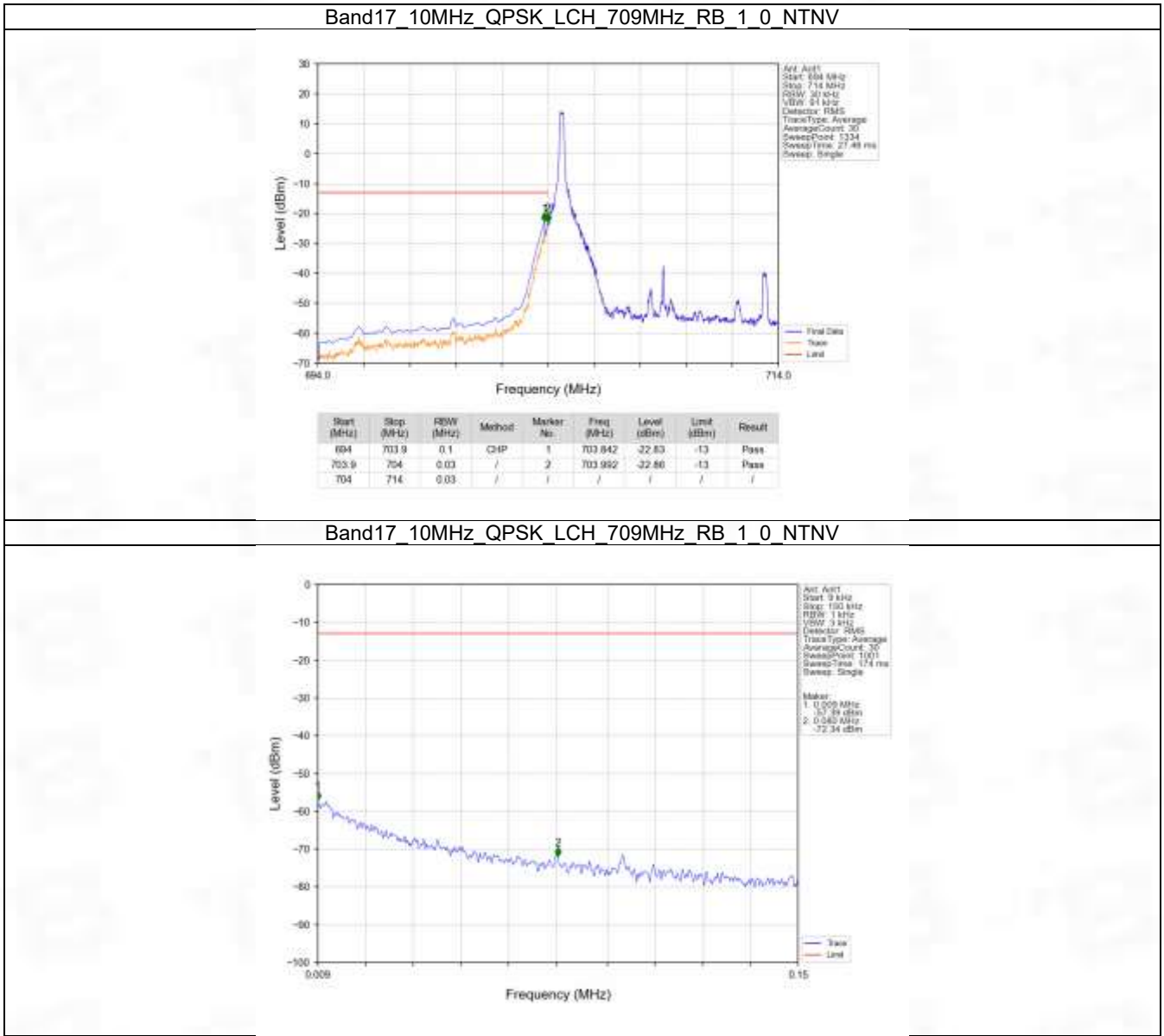
Band17_5MHz_16QAM_HCH_713.5MHz_RB_1_24_NTNV



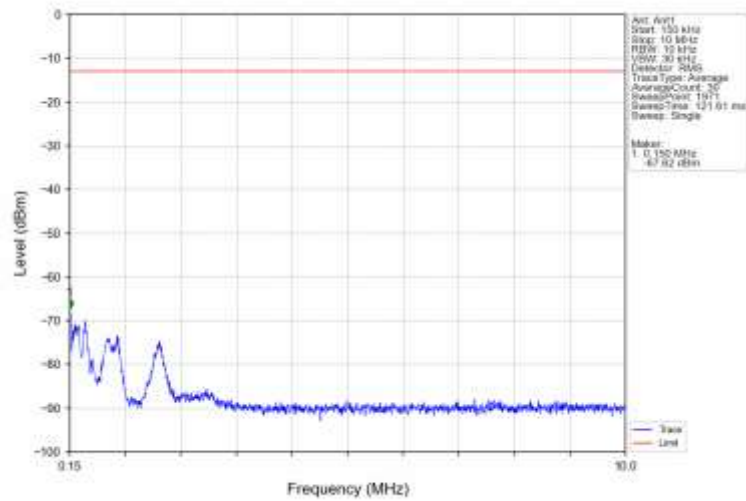
Band17_5MHz_16QAM_HCH_713.5MHz_RB_25_0_NTNV



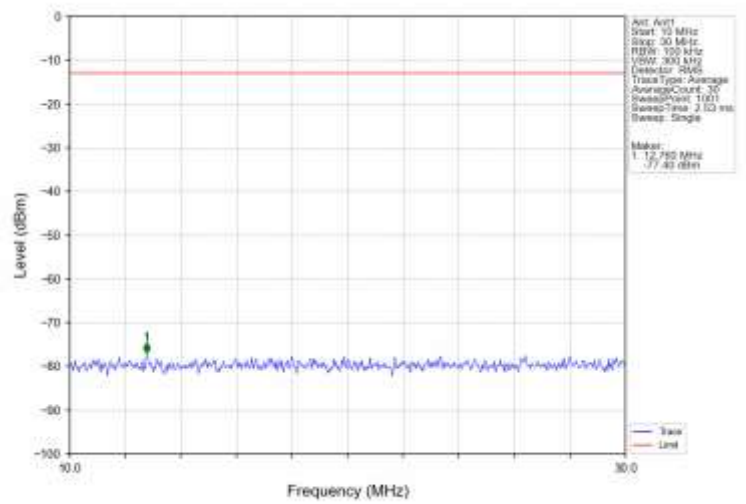
6.2.2 B17_10MHz



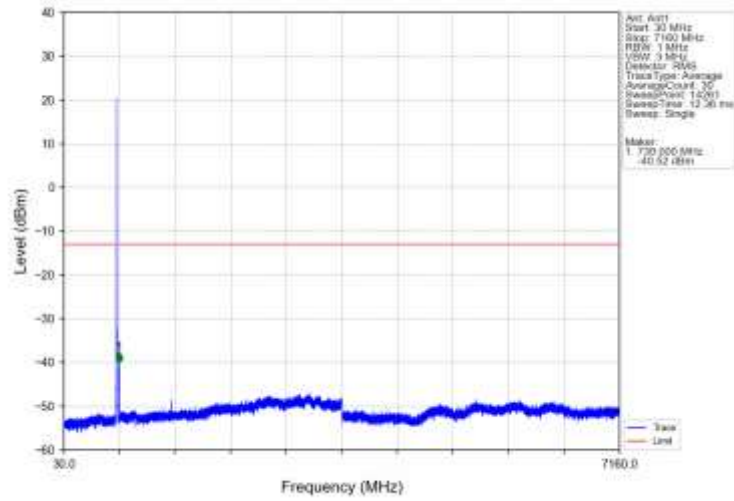
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



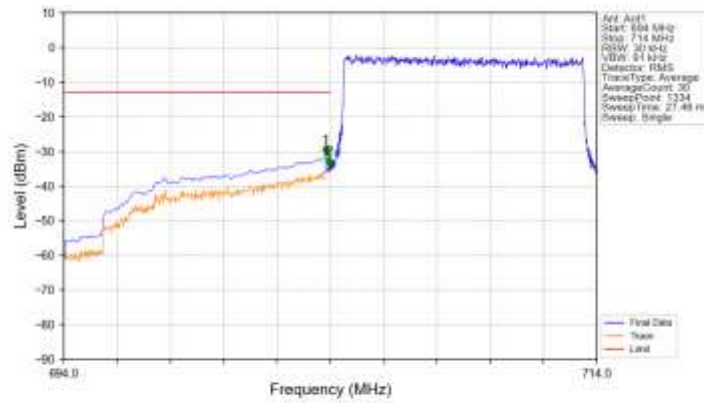
Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_LCH_709MHz_RB_1_0_NTNV

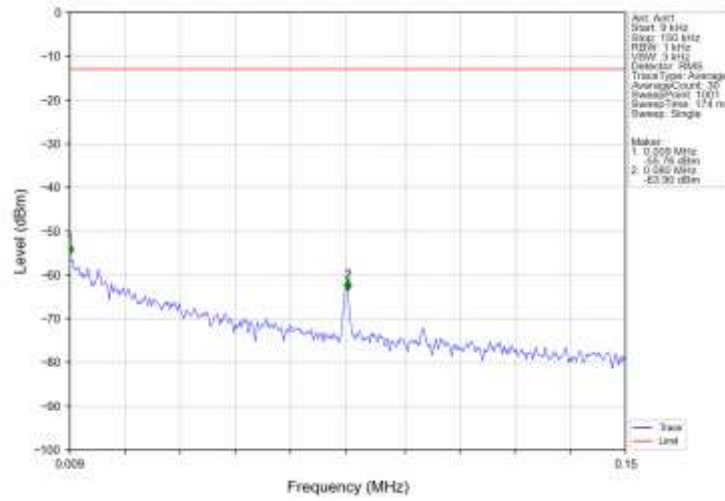


Band17_10MHz_QPSK_LCH_709MHz_RB_50_0_NTNV

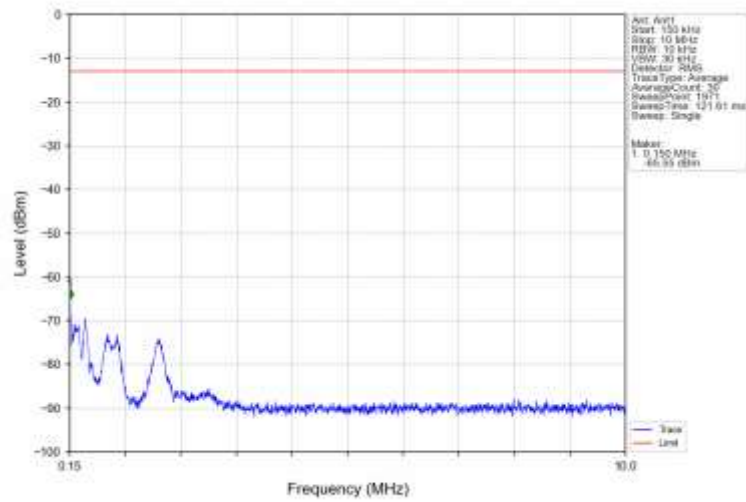


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
704	703.9	0.1	C4P	1	703.827	-31.13	-13	Pass
703.9	704	0.03	/	2	703.947	-34.32	-13	Pass
704	714	0.03	/	/	/	/	/	/

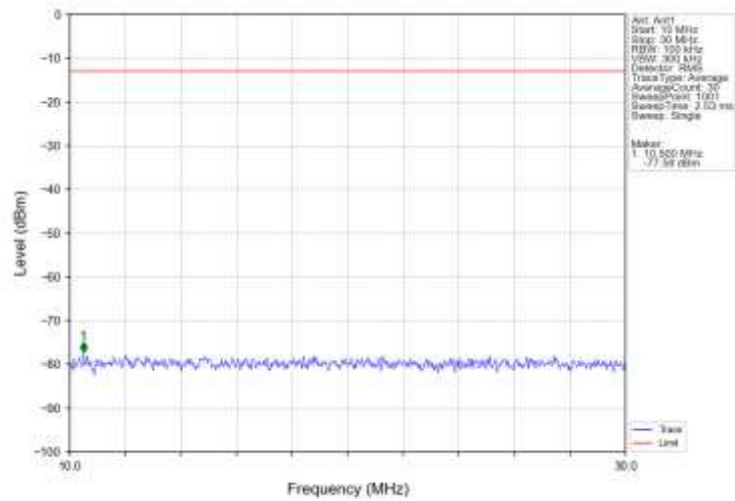
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



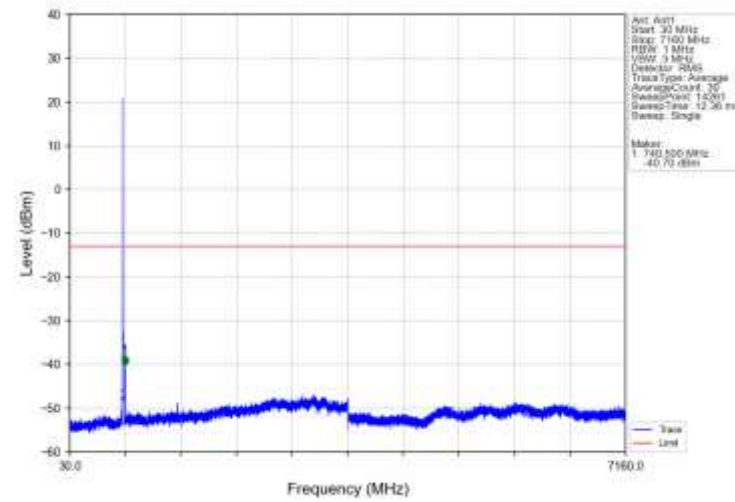
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



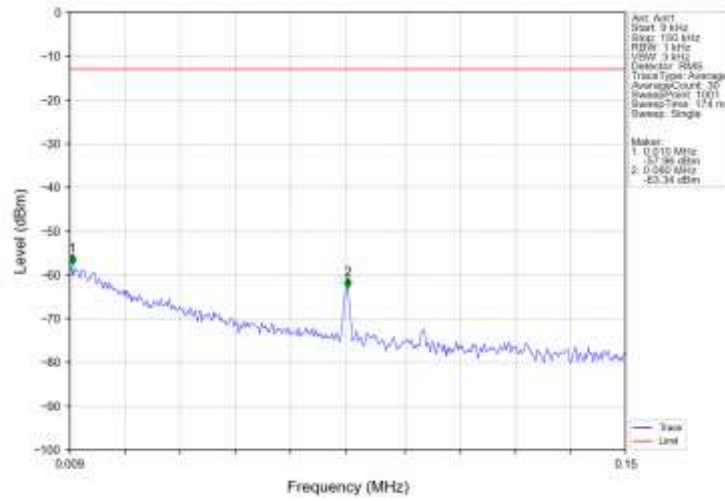
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



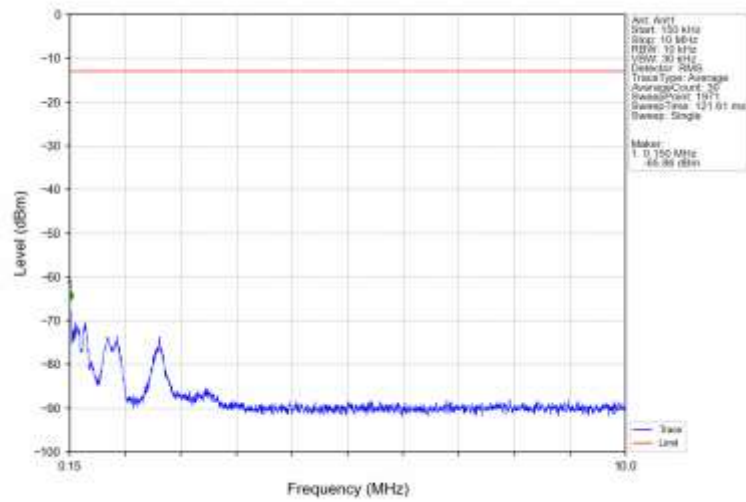
Band17_10MHz_QPSK_MCH_710MHz_RB_1_0_NTNV



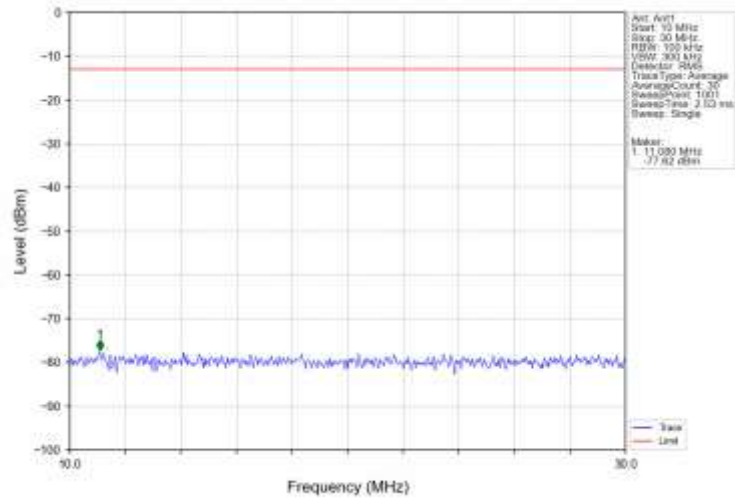
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



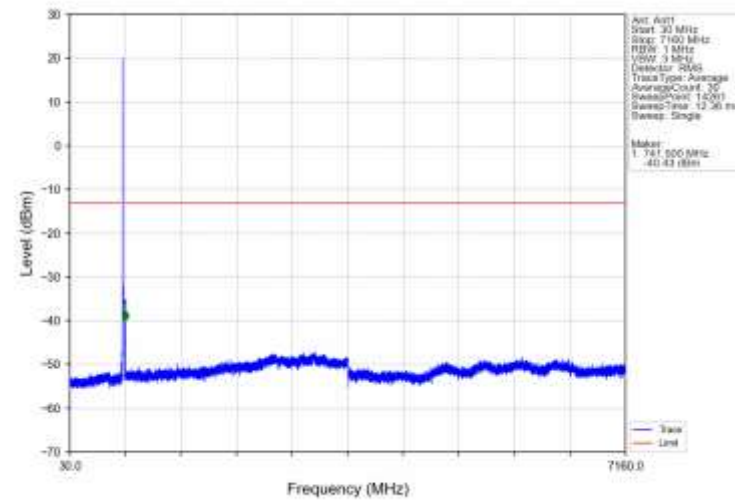
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



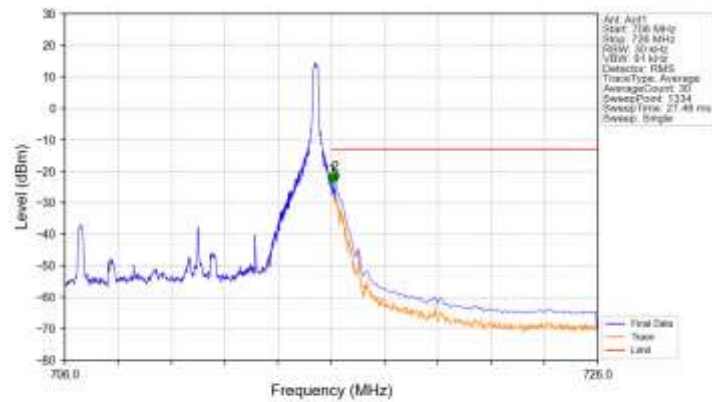
Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_QPSK_HCH_711MHz_RB_1_0_NTNV

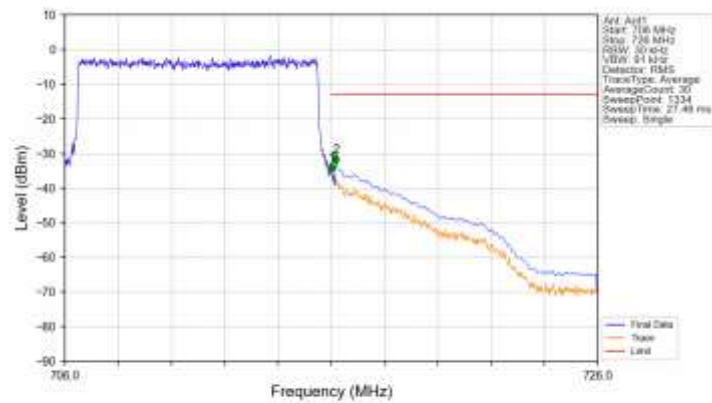


Band17_10MHz_QPSK_HCH_711MHz_RB_1_49_NTNV



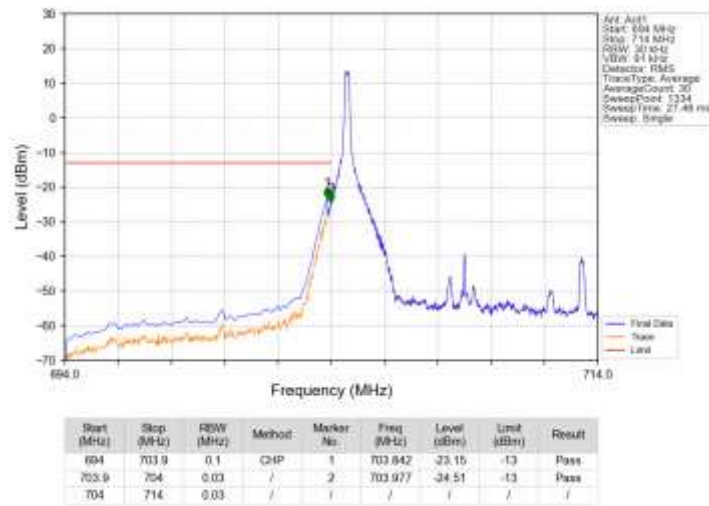
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.006	-34.09	-13	Pass
716.1	726	0.1	CHP	2	716.158	-23.18	-13	Pass

Band17_10MHz_QPSK_HCH_711MHz_RB_50_0_NTNV

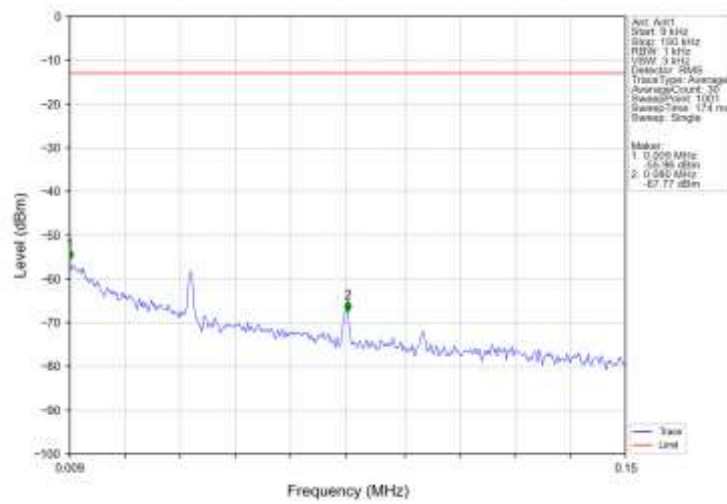


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.006	-35.65	-13	Pass
716.1	726	0.1	CHP	2	716.173	-33.36	-13	Pass

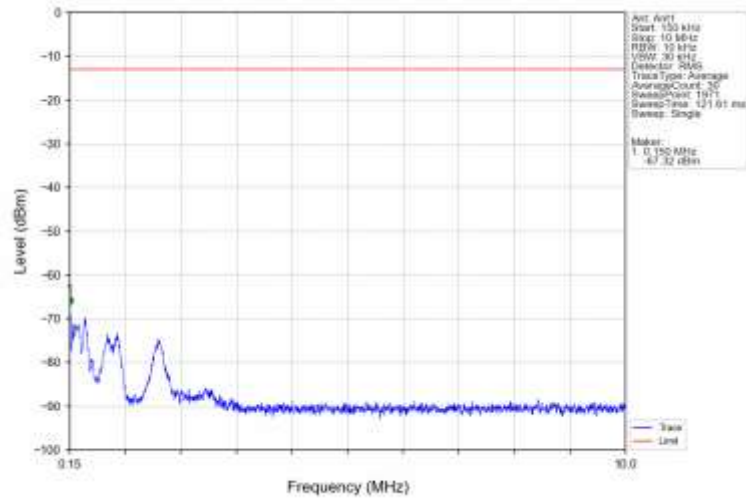
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



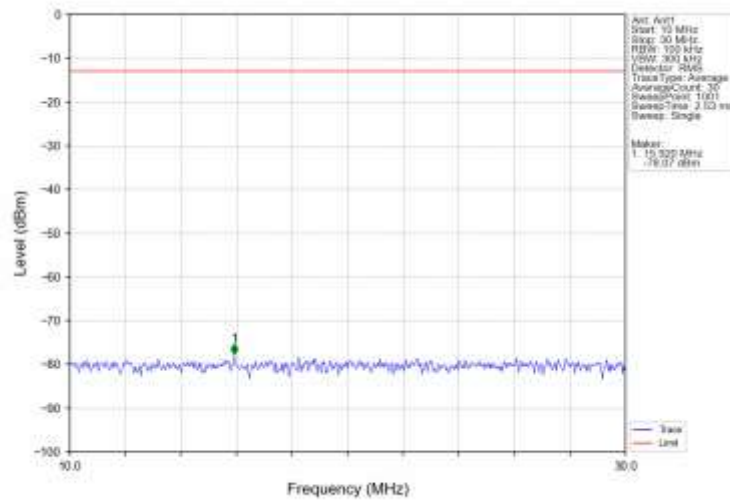
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



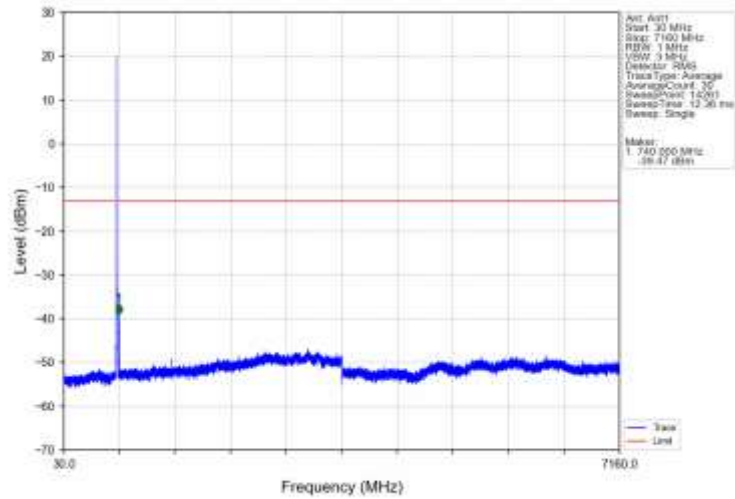
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



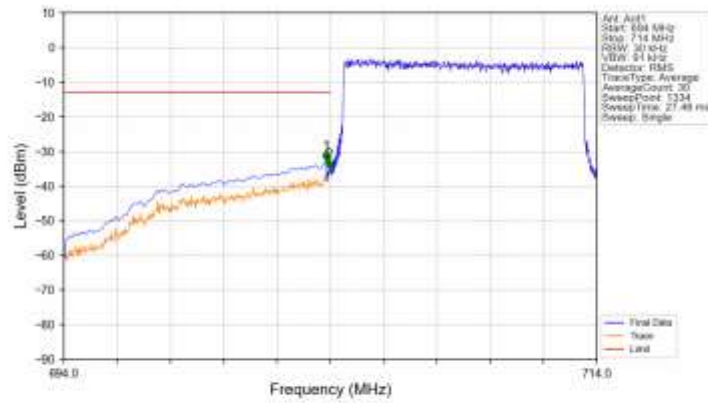
Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_LCH_709MHz_RB_1_0_NTNV

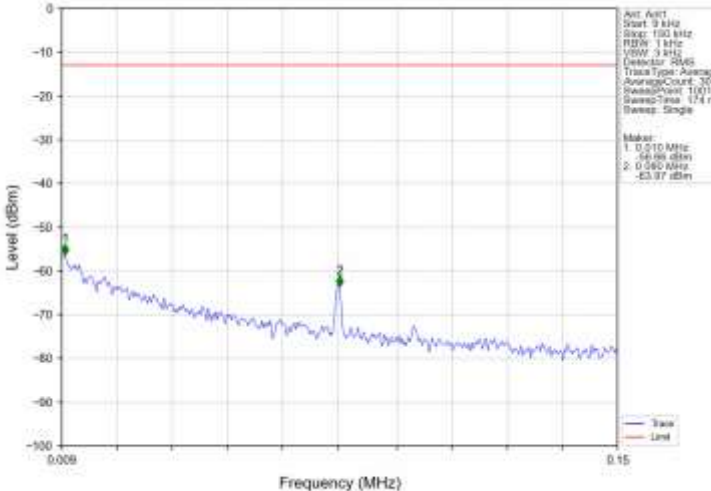


Band17_10MHz_16QAM_LCH_709MHz_RB_50_0_NTNV

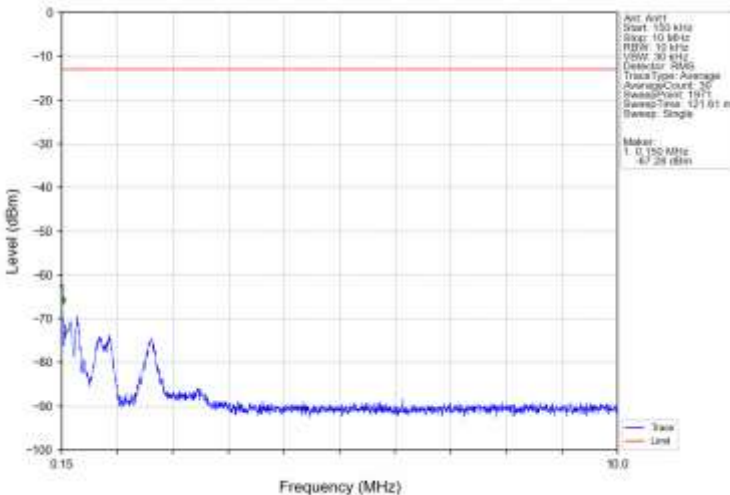


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
694	703.9	0.1	C4P	1	703.842	-32.72	-13	Pass
703.9	704	0.03	/	2	703.952	-35.10	-13	Pass
704	714	0.03	/	/	/	/	/	/

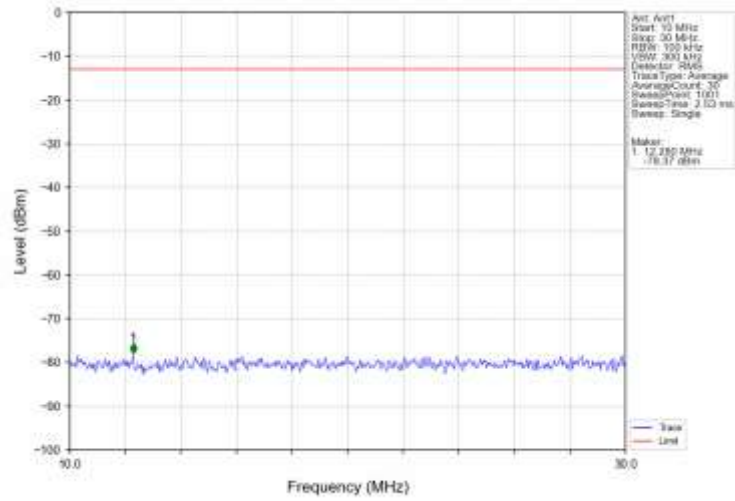
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



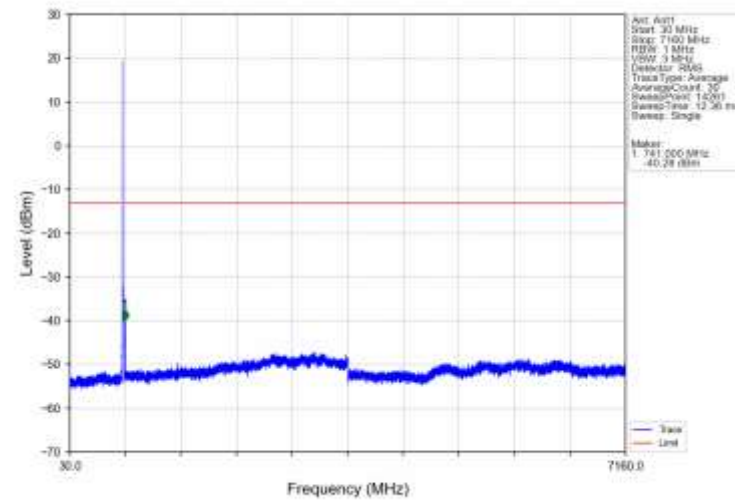
Band17 10MHz 16QAM MCH 710MHz RB 1 0 NTNV



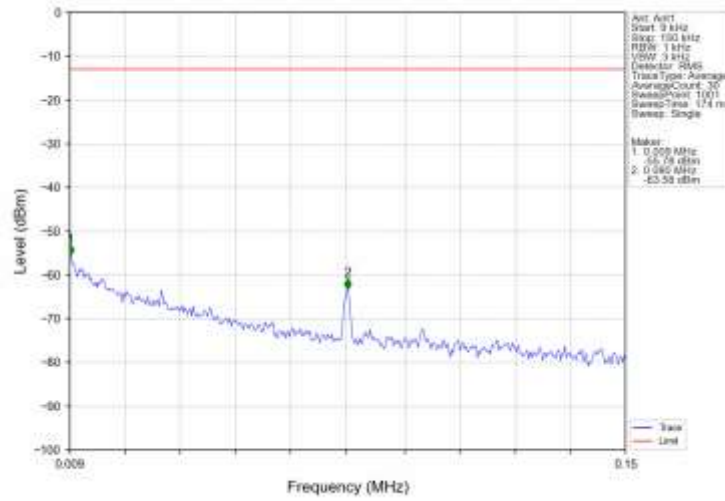
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



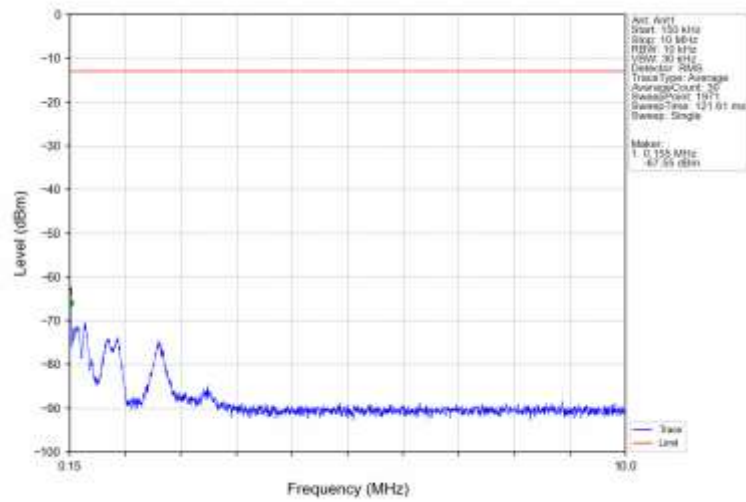
Band17_10MHz_16QAM_MCH_710MHz_RB_1_0_NTNV



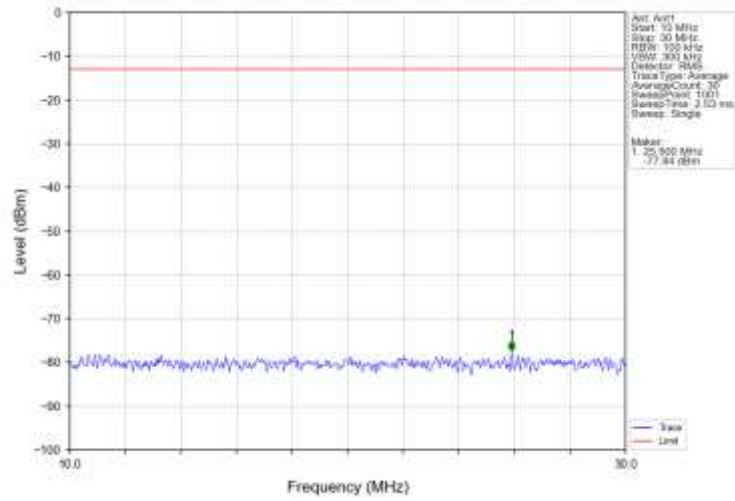
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



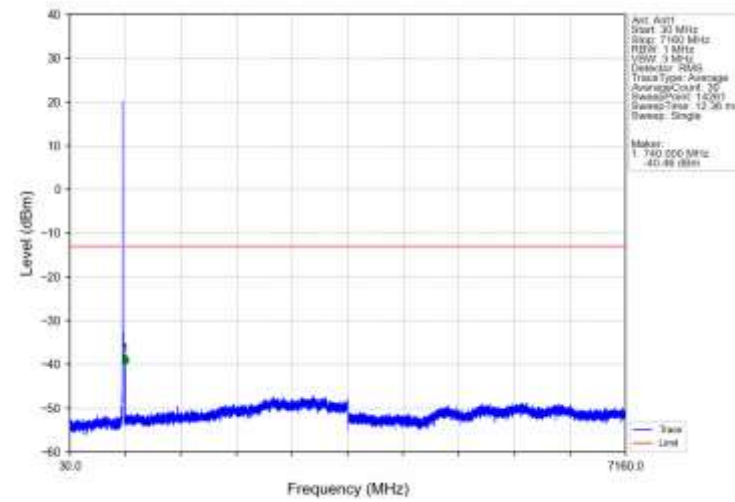
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



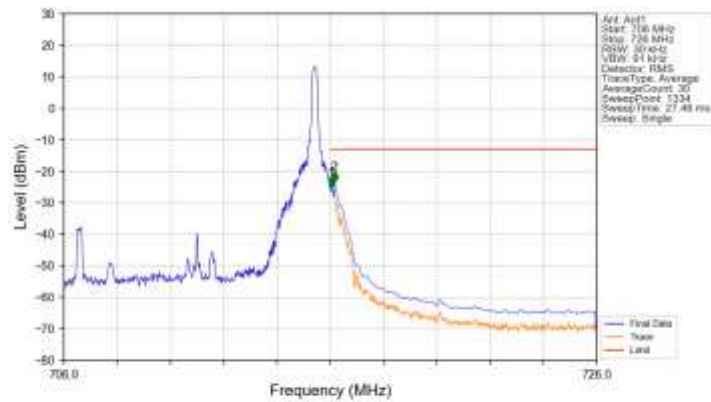
Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV



Band17_10MHz_16QAM_HCH_711MHz_RB_1_0_NTNV

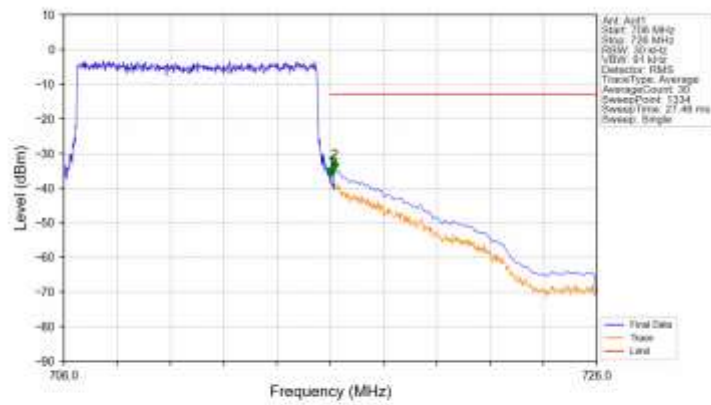


Band17_10MHz_16QAM_HCH_711MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.038	-25.00	-13	Pass
716.1	726	0.1	CHP	2	716.158	-23.47	-13	Pass

Band17_10MHz_16QAM_HCH_711MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
706	716	0.03	/	1	716.023	-36.69	-13	Pass
716.1	726	0.1	CHP	2	716.158	-34.69	-13	Pass

7. Form731

7.1 Test Result

7.1.1 Form731_Power

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.1905	0.0138	ppm	4M58G7D	27H	22.80
17	5	706.5	713.5	0.1517	0.0136	ppm	4M59W7D	27H	21.81
17	10	709	711	0.2014	0.0137	ppm	9M11G7D	27H	23.04
17	10	709	711	0.1614	0.0160	ppm	9M10W7D	27H	22.08

7.1.2 Form731_ERP

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
17	5	706.5	713.5	0.0673	0.0138	ppm	4M58G7D	27H	18.28
17	5	706.5	713.5	0.0536	0.0136	ppm	4M59W7D	27H	17.29
17	10	709	711	0.0711	0.0137	ppm	9M11G7D	27H	18.52
17	10	709	711	0.0570	0.0160	ppm	9M10W7D	27H	17.56