1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	20.81	1.00	21.81	<=30	Pass
			2	20.75	1.00	21.75	<=30	Pass
			5	20.78	1.00	21.78	<=30	Pass
		3	0	20.89	1.00	21.89	<=30	Pass
			2	20.82	1.00	21.82	<=30	Pass
			3	20.88	1.00	21.88	<=30	Pass
		6	0	19.78	1.00	20.78	<=30	Pass
	1732.5	1	0	20.80	1.00	21.80	<=30	Pass
			2	20.78	1.00	21.78	<=30	Pass
			5	20.88	1.00	21.88	<=30	Pass
		3	0	20.86	1.00	21.86	<=30	Pass
			2	20.75	1.00	21.75	<=30	Pass
			3	20.78	1.00	21.78	<=30	Pass
		6	0	19.80	1.00	20.80	<=30	Pass
	1754.3	1	0	20.64	1.00	21.64	<=30	Pass
			2	20.65	1.00	21.65	<=30	Pass
			5	20.72	1.00	21.72	<=30	Pass
		3	0	20.79	1.00	21.79	<=30	Pass
			2	20.69	1.00	21.69	<=30	Pass
			3	20.77	1.00	21.77	<=30	Pass
		6	0	19.76	1.00	20.76	<=30	Pass
16QAM	1710.7	1	0	19.89	1.00	20.89	<=30	Pass
			2	19.91	1.00	20.91	<=30	Pass
			5	19.90	1.00	20.90	<=30	Pass
		3	0	19.72	1.00	20.72	<=30	Pass
			2	19.70	1.00	20.70	<=30	Pass
			3	19.68	1.00	20.68	<=30	Pass
		6	0	19.18	1.00	20.18	<=30	Pass
	1732.5	1	0	19.28	1.00	20.28	<=30	Pass
			2	19.35	1.00	20.35	<=30	Pass
			5	19.30	1.00	20.30	<=30	Pass
		3	0	19.69	1.00	20.69	<=30	Pass
			2	19.70	1.00	20.70	<=30	Pass
			3	19.70	1.00	20.70	<=30	Pass
		6	0	18.88	1.00	19.88	<=30	Pass
	1754.3	1	0	19.96	1.00	20.96	<=30	Pass
			2	19.93	1.00	20.93	<=30	Pass
			5	20.01	1.00	21.01	<=30	Pass
		3	0	19.60	1.00	20.60	<=30	Pass
			2	19.56	1.00	20.56	<=30	Pass
			3	19.63	1.00	20.63	<=30	Pass
		6	0	18.94	1.00	19.94	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	20.89	1.00	21.89	<=30	Pass
			7	20.85	1.00	21.85	<=30	Pass
			14	20.81	1.00	21.81	<=30	Pass
		8	0	19.85	1.00	20.85	<=30	Pass
			4	19.85	1.00	20.85	<=30	Pass
			7	19.90	1.00	20.90	<=30	Pass
		15	0	19.76	1.00	20.76	<=30	Pass
	1732.5	1	0	20.80	1.00	21.80	<=30	Pass
			7	20.80	1.00	21.80	<=30	Pass
			14	20.81	1.00	21.81	<=30	Pass
		8	0	19.84	1.00	20.84	<=30	Pass
			4	19.89	1.00	20.89	<=30	Pass
			7	19.87	1.00	20.87	<=30	Pass
		15	0	19.89	1.00	20.89	<=30	Pass
	1753.5	1	0	20.69	1.00	21.69	<=30	Pass
			7	20.74	1.00	21.74	<=30	Pass
			14	20.71	1.00	21.71	<=30	Pass
		8	0	19.78	1.00	20.78	<=30	Pass
			4	19.86	1.00	20.86	<=30	Pass
			7	19.74	1.00	20.74	<=30	Pass
		15	0	19.72	1.00	20.72	<=30	Pass
16QAM	1711.5	1	0	19.36	1.00	20.36	<=30	Pass
			7	19.39	1.00	20.39	<=30	Pass
			14	19.32	1.00	20.32	<=30	Pass
		8	0	19.42	1.00	20.42	<=30	Pass
			4	19.45	1.00	20.45	<=30	Pass
			7	19.09	1.00	20.09	<=30	Pass
		15	0	19.27	1.00	20.27	<=30	Pass
	1732.5	1	0	20.62	1.00	21.62	<=30	Pass
			7	20.68	1.00	21.68	<=30	Pass
			14	20.69	1.00	21.69	<=30	Pass
		8	0	18.98	1.00	19.98	<=30	Pass
			4	19.03	1.00	20.03	<=30	Pass
			7	19.08	1.00	20.08	<=30	Pass
		15	0	18.97	1.00	19.97	<=30	Pass
	1753.5	1	0	19.89	1.00	20.89	<=30	Pass
			7	19.88	1.00	20.88	<=30	Pass
			14	19.83	1.00	20.83	<=30	Pass
		8	0	18.97	1.00	19.97	<=30	Pass
			4	19.01	1.00	20.01	<=30	Pass
			7	18.96	1.00	19.96	<=30	Pass
		15	0	18.85	1.00	19.85	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	20.67	1.00	21.67	<=30	Pass
			13	20.71	1.00	21.71	<=30	Pass
			24	20.66	1.00	21.66	<=30	Pass
		12	0	19.81	1.00	20.81	<=30	Pass
			6	19.83	1.00	20.83	<=30	Pass
			13	19.78	1.00	20.78	<=30	Pass

		25	0	19.86	1.00	20.86	<=30	Pass
	1732.5	1	0	20.80	1.00	21.80	<=30	Pass
			13	20.81	1.00	21.81	<=30	Pass
			24	20.87	1.00	21.87	<=30	Pass
		12	0	19.83	1.00	20.83	<=30	Pass
			6	19.90	1.00	20.90	<=30	Pass
			13	19.87	1.00	20.87	<=30	Pass
		25	0	19.90	1.00	20.90	<=30	Pass
	1752.5	1	0	20.83	1.00	21.83	<=30	Pass
			13	20.80	1.00	21.80	<=30	Pass
			24	20.86	1.00	21.86	<=30	Pass
		12	0	19.79	1.00	20.79	<=30	Pass
			6	19.81	1.00	20.81	<=30	Pass
			13	19.90	1.00	20.90	<=30	Pass
		25	0	19.70	1.00	20.70	<=30	Pass
16QAM	1712.5	1	0	19.89	1.00	20.89	<=30	Pass
			13	19.86	1.00	20.86	<=30	Pass
			24	19.95	1.00	20.95	<=30	Pass
		12	0	19.26	1.00	20.26	<=30	Pass
			6	18.88	1.00	19.88	<=30	Pass
			13	18.85	1.00	19.85	<=30	Pass
		25	0	18.94	1.00	19.94	<=30	Pass
	1732.5	1	0	19.91	1.00	20.91	<=30	Pass
			13	19.99	1.00	20.99	<=30	Pass
			24	20.02	1.00	21.02	<=30	Pass
		12	0	18.92	1.00	19.92	<=30	Pass
			6	18.89	1.00	19.89	<=30	Pass
			13	18.91	1.00	19.91	<=30	Pass
		25	0	18.94	1.00	19.94	<=30	Pass
	1752.5	1	0	18.87	1.00	19.87	<=30	Pass
			13	18.95	1.00	19.95	<=30	Pass
			24	18.93	1.00	19.93	<=30	Pass
		12	0	18.85	1.00	19.85	<=30	Pass
			6	18.86	1.00	19.86	<=30	Pass
			13	18.80	1.00	19.80	<=30	Pass
		25	0	18.90	1.00	19.90	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	20.67	1.00	21.67	<=30	Pass
			25	20.75	1.00	21.75	<=30	Pass
			49	20.70	1.00	21.70	<=30	Pass
		25	0	19.82	1.00	20.82	<=30	Pass
			13	19.77	1.00	20.77	<=30	Pass
			25	19.87	1.00	20.87	<=30	Pass
		50	0	19.84	1.00	20.84	<=30	Pass
	1732.5	1	0	20.91	1.00	21.91	<=30	Pass
			25	20.95	1.00	21.95	<=30	Pass
			49	21.00	1.00	22.00	<=30	Pass
		25	0	19.84	1.00	20.84	<=30	Pass
			13	19.91	1.00	20.91	<=30	Pass
			25	19.86	1.00	20.86	<=30	Pass
		50	0	19.90	1.00	20.90	<=30	Pass

	1750	1	0	20.77	1.00	21.77	<=30	Pass
			25	20.80	1.00	21.80	<=30	Pass
			49	20.76	1.00	21.76	<=30	Pass
		25	0	19.80	1.00	20.80	<=30	Pass
			13	19.75	1.00	20.75	<=30	Pass
			25	19.82	1.00	20.82	<=30	Pass
		50	0	19.79	1.00	20.79	<=30	Pass
16QAM	1715	1	0	19.58	1.00	20.58	<=30	Pass
			25	19.52	1.00	20.52	<=30	Pass
			49	19.46	1.00	20.46	<=30	Pass
		12	0	19.93	1.00	20.93	<=30	Pass
			19	19.91	1.00	20.91	<=30	Pass
			38	19.80	1.00	20.80	<=30	Pass
		27	0	18.95	1.00	19.95	<=30	Pass
	1732.5	1	0	20.07	1.00	21.07	<=30	Pass
			25	20.10	1.00	21.10	<=30	Pass
			49	20.14	1.00	21.14	<=30	Pass
		12	0	19.78	1.00	20.78	<=30	Pass
			19	19.86	1.00	20.86	<=30	Pass
			38	19.91	1.00	20.91	<=30	Pass
		27	0	18.95	1.00	19.95	<=30	Pass
	1750	1	0	20.08	1.00	21.08	<=30	Pass
			25	20.04	1.00	21.04	<=30	Pass
			49	19.97	1.00	20.97	<=30	Pass
		12	0	19.90	1.00	20.90	<=30	Pass
			19	19.84	1.00	20.84	<=30	Pass
			38	19.84	1.00	20.84	<=30	Pass
		27	23	18.83	1.00	19.83	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	20.67	1.00	21.67	<=30	Pass
			38	20.60	1.00	21.60	<=30	Pass
			74	20.59	1.00	21.59	<=30	Pass
		36	0	19.83	1.00	20.83	<=30	Pass
			18	19.89	1.00	20.89	<=30	Pass
			39	19.80	1.00	20.80	<=30	Pass
		75	0	19.78	1.00	20.78	<=30	Pass
	1732.5	1	0	20.91	1.00	21.91	<=30	Pass
			38	20.91	1.00	21.91	<=30	Pass
			74	20.97	1.00	21.97	<=30	Pass
		36	0	19.82	1.00	20.82	<=30	Pass
			18	19.86	1.00	20.86	<=30	Pass
			39	19.85	1.00	20.85	<=30	Pass
		75	0	19.89	1.00	20.89	<=30	Pass
	1747.5	1	0	20.80	1.00	21.80	<=30	Pass
			38	20.76	1.00	21.76	<=30	Pass
			74	20.81	1.00	21.81	<=30	Pass
		36	0	19.89	1.00	20.89	<=30	Pass
			18	19.83	1.00	20.83	<=30	Pass
			39	19.78	1.00	20.78	<=30	Pass
		75	0	19.89	1.00	20.89	<=30	Pass
16QAM	1717.5	1	0	19.98	1.00	20.98	<=30	Pass

			38	19.94	1.00	20.94	<=30	Pass
			74	19.93	1.00	20.93	<=30	Pass
		12	0	19.90	1.00	20.90	<=30	Pass
			31	19.87	1.00	20.87	<=30	Pass
			63	19.91	1.00	20.91	<=30	Pass
		27	0	18.91	1.00	19.91	<=30	Pass
	1732.5	1	0	19.93	1.00	20.93	<=30	Pass
			38	20.07	1.00	21.07	<=30	Pass
			74	20.05	1.00	21.05	<=30	Pass
		12	0	19.82	1.00	20.82	<=30	Pass
			31	19.90	1.00	20.90	<=30	Pass
			63	19.86	1.00	20.86	<=30	Pass
		27	0	19.02	1.00	20.02	<=30	Pass
	1747.5	1	0	20.12	1.00	21.12	<=30	Pass
			38	20.07	1.00	21.07	<=30	Pass
			74	20.01	1.00	21.01	<=30	Pass
		12	0	19.98	1.00	20.98	<=30	Pass
			31	19.93	1.00	20.93	<=30	Pass
			63	19.92	1.00	20.92	<=30	Pass
		27	48	18.92	1.00	19.92	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	20.82	1.00	21.82	<=30	Pass
			50	20.82	1.00	21.82	<=30	Pass
			99	21.32	1.00	22.32	<=30	Pass
		50	0	19.80	1.00	20.80	<=30	Pass
			25	19.77	1.00	20.77	<=30	Pass
			50	19.80	1.00	20.80	<=30	Pass
		100	0	19.79	1.00	20.79	<=30	Pass
	1732.5	1	0	20.78	1.00	21.78	<=30	Pass
			50	20.80	1.00	21.80	<=30	Pass
			99	20.80	1.00	21.80	<=30	Pass
		50	0	19.85	1.00	20.85	<=30	Pass
			25	19.87	1.00	20.87	<=30	Pass
			50	19.93	1.00	20.93	<=30	Pass
		100	0	19.88	1.00	20.88	<=30	Pass
	1745	1	0	21.05	1.00	22.05	<=30	Pass
			50	21.04	1.00	22.04	<=30	Pass
			99	21.09	1.00	22.09	<=30	Pass
		50	0	19.82	1.00	20.82	<=30	Pass
			25	19.89	1.00	20.89	<=30	Pass
			50	19.87	1.00	20.87	<=30	Pass
		100	0	19.90	1.00	20.90	<=30	Pass
16QAM	1720	1	0	20.70	1.00	21.70	<=30	Pass
			50	20.48	1.00	21.48	<=30	Pass
			99	21.14	1.00	22.14	<=30	Pass
		12	0	19.73	1.00	20.73	<=30	Pass
			44	19.65	1.00	20.65	<=30	Pass
			88	20.55	1.00	21.55	<=30	Pass
		27	0	18.91	1.00	19.91	<=30	Pass
	1732.5	1	0	20.19	1.00	21.19	<=30	Pass
			50	20.23	1.00	21.23	<=30	Pass

			99	20.27	1.00	21.27	<=30	Pass
		12	0	19.91	1.00	20.91	<=30	Pass
			44	20.02	1.00	21.02	<=30	Pass
			88	20.02	1.00	21.02	<=30	Pass
		27	0	19.29	1.00	20.29	<=30	Pass
	1745	1	0	19.33	1.00	20.33	<=30	Pass
			50	19.19	1.00	20.19	<=30	Pass
			99	19.29	1.00	20.29	<=30	Pass
		12	0	19.87	1.00	20.87	<=30	Pass
			44	19.90	1.00	20.90	<=30	Pass
			88	19.87	1.00	20.87	<=30	Pass
		27	73	18.81	1.00	19.81	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	5.021	0.0029	-2.5 to 2.5	Pass
					3.85	-15.435	-0.0090	-2.5 to 2.5	Pass
					4.43	-38.266	-0.0224	-2.5 to 2.5	Pass
				-30	3.85	-36.821	-0.0215	-2.5 to 2.5	Pass
				-20	3.85	-30.613	-0.0179	-2.5 to 2.5	Pass
				-10	3.85	-19.984	-0.0117	-2.5 to 2.5	Pass
				0	3.85	-18.082	-0.0106	-2.5 to 2.5	Pass
				10	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
				30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				40	3.85	8.154	0.0048	-2.5 to 2.5	Pass
				50	3.85	17.309	0.0101	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	19.355	0.0112	-2.5 to 2.5	Pass
					3.85	8.411	0.0049	-2.5 to 2.5	Pass
					4.43	-3.405	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-13.061	-0.0075	-2.5 to 2.5	Pass
				-20	3.85	-13.919	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-19.441	-0.0112	-2.5 to 2.5	Pass
				0	3.85	-20.185	-0.0117	-2.5 to 2.5	Pass
				10	3.85	-20.928	-0.0121	-2.5 to 2.5	Pass
				30	3.85	-24.490	-0.0141	-2.5 to 2.5	Pass
				40	3.85	-26.279	-0.0152	-2.5 to 2.5	Pass
				50	3.85	-27.952	-0.0161	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-1.659	-0.0009	-2.5 to 2.5	Pass
					3.85	-7.467	-0.0043	-2.5 to 2.5	Pass
					4.43	-6.680	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.018	0.0017	-2.5 to 2.5	Pass
				0	3.85	10.343	0.0059	-2.5 to 2.5	Pass
				10	3.85	12.689	0.0072	-2.5 to 2.5	Pass
				30	3.85	12.059	0.0069	-2.5 to 2.5	Pass
				40	3.85	18.053	0.0103	-2.5 to 2.5	Pass
				50	3.85	14.362	0.0082	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	19.054	0.0111	-2.5 to 2.5	Pass
					3.85	28.596	0.0167	-2.5 to 2.5	Pass
					4.43	29.383	0.0172	-2.5 to 2.5	Pass
				-30	3.85	31.157	0.0182	-2.5 to 2.5	Pass
				-20	3.85	30.298	0.0177	-2.5 to 2.5	Pass
				-10	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	3.85	4.191	0.0024	-2.5 to 2.5	Pass
				40	3.85	4.892	0.0029	-2.5 to 2.5	Pass
				50	3.85	7.296	0.0043	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	4.106	0.0024	-2.5 to 2.5	Pass
					3.85	6.652	0.0038	-2.5 to 2.5	Pass
					4.43	-0.558	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-6.695	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-9.127	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-8.512	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-9.713	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-12.116	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-10.242	-0.0059	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	14.777	0.0084	-2.5 to 2.5	Pass
					3.85	21.229	0.0121	-2.5 to 2.5	Pass
					4.43	20.227	0.0115	-2.5 to 2.5	Pass
				-30	3.85	15.278	0.0087	-2.5 to 2.5	Pass
				-20	3.85	15.736	0.0090	-2.5 to 2.5	Pass
				-10	3.85	15.378	0.0088	-2.5 to 2.5	Pass
				0	3.85	13.733	0.0078	-2.5 to 2.5	Pass
				10	3.85	14.262	0.0081	-2.5 to 2.5	Pass
				30	3.85	8.497	0.0048	-2.5 to 2.5	Pass
				40	3.85	12.546	0.0072	-2.5 to 2.5	Pass
				50	3.85	9.112	0.0052	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	6.580	0.0038	-2.5 to 2.5	Pass
					3.85	-20.084	-0.0117	-2.5 to 2.5	Pass
					4.43	-11.830	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-9.685	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	5.450	0.0032	-2.5 to 2.5	Pass
				0	3.85	11.916	0.0070	-2.5 to 2.5	Pass
				10	3.85	23.689	0.0138	-2.5 to 2.5	Pass
				30	3.85	33.631	0.0197	-2.5 to 2.5	Pass
				40	3.85	5.751	0.0034	-2.5 to 2.5	Pass
				50	3.85	9.971	0.0058	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	25.449	0.0147	-2.5 to 2.5	Pass
					3.85	12.088	0.0070	-2.5 to 2.5	Pass
					4.43	3.591	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-10.171	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-11.673	-0.0067	-2.5 to 2.5	Pass

				10	3.85	-13.590	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-17.481	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-18.711	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-25.206	-0.0145	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.286	0.0002	-2.5 to 2.5	Pass
					3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
					4.43	2.489	0.0014	-2.5 to 2.5	Pass
				-30	3.85	6.180	0.0035	-2.5 to 2.5	Pass
				-20	3.85	13.332	0.0076	-2.5 to 2.5	Pass
				-10	3.85	15.950	0.0091	-2.5 to 2.5	Pass
				0	3.85	18.711	0.0107	-2.5 to 2.5	Pass
				10	3.85	24.748	0.0141	-2.5 to 2.5	Pass
				30	3.85	27.280	0.0156	-2.5 to 2.5	Pass
				40	3.85	25.921	0.0148	-2.5 to 2.5	Pass
				50	3.85	28.267	0.0161	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	19.383	0.0113	-2.5 to 2.5	Pass
					3.85	26.221	0.0153	-2.5 to 2.5	Pass
					4.43	24.848	0.0145	-2.5 to 2.5	Pass
				-30	3.85	29.669	0.0173	-2.5 to 2.5	Pass
				-20	3.85	31.571	0.0184	-2.5 to 2.5	Pass
				-10	3.85	29.926	0.0175	-2.5 to 2.5	Pass
				0	3.85	33.689	0.0197	-2.5 to 2.5	Pass
				10	3.85	35.892	0.0210	-2.5 to 2.5	Pass
				30	3.85	39.697	0.0232	-2.5 to 2.5	Pass
				40	3.85	38.652	0.0226	-2.5 to 2.5	Pass
				50	3.85	5.164	0.0030	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-17.023	-0.0098	-2.5 to 2.5	Pass
					3.85	-27.652	-0.0160	-2.5 to 2.5	Pass
					4.43	-27.881	-0.0161	-2.5 to 2.5	Pass
				-30	3.85	-8.755	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-7.896	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-12.803	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-14.534	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-14.863	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-16.880	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-17.996	-0.0104	-2.5 to 2.5	Pass
				50	3.85	-19.183	-0.0111	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	31.843	0.0182	-2.5 to 2.5	Pass
					3.85	30.341	0.0173	-2.5 to 2.5	Pass
					4.43	29.440	0.0168	-2.5 to 2.5	Pass
				-30	3.85	26.908	0.0153	-2.5 to 2.5	Pass
				-20	3.85	23.217	0.0132	-2.5 to 2.5	Pass
				-10	3.85	23.017	0.0131	-2.5 to 2.5	Pass
				0	3.85	23.103	0.0132	-2.5 to 2.5	Pass
				10	3.85	21.043	0.0120	-2.5 to 2.5	Pass
				30	3.85	19.426	0.0111	-2.5 to 2.5	Pass
				40	3.85	20.728	0.0118	-2.5 to 2.5	Pass
				50	3.85	16.894	0.0096	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-0.744	-0.0004	-2.5 to 2.5	Pass
					3.85	-44.246	-0.0258	-2.5 to 2.5	Pass
					4.43	-18.168	-0.0106	-2.5 to 2.5	Pass

				-30	3.85	-13.375	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	4.034	0.0024	-2.5 to 2.5	Pass
				0	3.85	11.816	0.0069	-2.5 to 2.5	Pass
				10	3.85	21.844	0.0128	-2.5 to 2.5	Pass
				30	3.85	27.924	0.0163	-2.5 to 2.5	Pass
				40	3.85	35.276	0.0206	-2.5 to 2.5	Pass
				50	3.85	7.911	0.0046	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	13.089	0.0076	-2.5 to 2.5	Pass
					3.85	2.432	0.0014	-2.5 to 2.5	Pass
					4.43	-9.241	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-13.747	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-15.407	-0.0089	-2.5 to 2.5	Pass
				-10	3.85	-16.236	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-16.322	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-20.256	-0.0117	-2.5 to 2.5	Pass
				30	3.85	-17.753	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-16.193	-0.0093	-2.5 to 2.5	Pass
				50	3.85	-16.994	-0.0098	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	5.951	0.0034	-2.5 to 2.5	Pass
					3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
					4.43	0.844	0.0005	-2.5 to 2.5	Pass
				-30	3.85	8.755	0.0050	-2.5 to 2.5	Pass
				-20	3.85	15.693	0.0090	-2.5 to 2.5	Pass
				-10	3.85	17.037	0.0097	-2.5 to 2.5	Pass
				0	3.85	21.172	0.0121	-2.5 to 2.5	Pass
				10	3.85	23.761	0.0136	-2.5 to 2.5	Pass
				30	3.85	28.610	0.0163	-2.5 to 2.5	Pass
				40	3.85	27.623	0.0158	-2.5 to 2.5	Pass
				50	3.85	29.054	0.0166	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	15.492	0.0090	-2.5 to 2.5	Pass
					3.85	20.428	0.0119	-2.5 to 2.5	Pass
					4.43	17.624	0.0103	-2.5 to 2.5	Pass
				-30	3.85	17.610	0.0103	-2.5 to 2.5	Pass
				-20	3.85	15.020	0.0088	-2.5 to 2.5	Pass
				-10	3.85	17.066	0.0100	-2.5 to 2.5	Pass
				0	3.85	19.555	0.0114	-2.5 to 2.5	Pass
				10	3.85	19.369	0.0113	-2.5 to 2.5	Pass
				30	3.85	23.818	0.0139	-2.5 to 2.5	Pass
				40	3.85	24.419	0.0143	-2.5 to 2.5	Pass
				50	3.85	25.678	0.0150	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-18.811	-0.0109	-2.5 to 2.5	Pass
					3.85	-21.830	-0.0126	-2.5 to 2.5	Pass
					4.43	-31.958	-0.0184	-2.5 to 2.5	Pass
				-30	3.85	5.450	0.0031	-2.5 to 2.5	Pass
				-20	3.85	2.847	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-8.268	-0.0048	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	33.431	0.0191	-2.5 to 2.5	Pass
					3.85	35.105	0.0200	-2.5 to 2.5	Pass
					4.43	35.176	0.0201	-2.5 to 2.5	Pass
				-30	3.85	31.028	0.0177	-2.5 to 2.5	Pass
				-20	3.85	24.920	0.0142	-2.5 to 2.5	Pass
				-10	3.85	22.845	0.0130	-2.5 to 2.5	Pass
				0	3.85	24.562	0.0140	-2.5 to 2.5	Pass

				10	3.85	23.789	0.0136	-2.5 to 2.5	Pass
				30	3.85	23.675	0.0135	-2.5 to 2.5	Pass
				40	3.85	23.561	0.0134	-2.5 to 2.5	Pass
				50	3.85	23.060	0.0132	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	2.689	0.0016	-2.5 to 2.5	Pass
					3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
					4.43	-7.052	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				-20	3.85	15.292	0.0089	-2.5 to 2.5	Pass
				-10	3.85	23.947	0.0140	-2.5 to 2.5	Pass
				0	3.85	27.695	0.0161	-2.5 to 2.5	Pass
				10	3.85	37.394	0.0218	-2.5 to 2.5	Pass
				30	3.85	6.151	0.0036	-2.5 to 2.5	Pass
				40	3.85	14.462	0.0084	-2.5 to 2.5	Pass
				50	3.85	16.465	0.0096	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-4.392	-0.0025	-2.5 to 2.5	Pass
					3.85	-24.447	-0.0141	-2.5 to 2.5	Pass
					4.43	-31.743	-0.0183	-2.5 to 2.5	Pass
				-30	3.85	-36.321	-0.0210	-2.5 to 2.5	Pass
				-20	3.85	-37.551	-0.0217	-2.5 to 2.5	Pass
				-10	3.85	-40.355	-0.0233	-2.5 to 2.5	Pass
				0	3.85	-44.446	-0.0257	-2.5 to 2.5	Pass
				10	3.85	-33.703	-0.0195	-2.5 to 2.5	Pass
				30	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				40	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	4.277	0.0024	-2.5 to 2.5	Pass
					3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
					4.43	7.210	0.0041	-2.5 to 2.5	Pass
				-30	3.85	12.488	0.0071	-2.5 to 2.5	Pass
				-20	3.85	17.896	0.0102	-2.5 to 2.5	Pass
				-10	3.85	20.971	0.0120	-2.5 to 2.5	Pass
				0	3.85	27.423	0.0157	-2.5 to 2.5	Pass
				10	3.85	29.483	0.0168	-2.5 to 2.5	Pass
				30	3.85	31.872	0.0182	-2.5 to 2.5	Pass
				40	3.85	32.444	0.0185	-2.5 to 2.5	Pass
				50	3.85	36.564	0.0209	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.27	23.174	0.0135	-2.5 to 2.5	Pass
					3.85	25.320	0.0148	-2.5 to 2.5	Pass
					4.43	27.308	0.0159	-2.5 to 2.5	Pass
				-30	3.85	24.734	0.0144	-2.5 to 2.5	Pass
				-20	3.85	28.539	0.0166	-2.5 to 2.5	Pass
				-10	3.85	31.729	0.0185	-2.5 to 2.5	Pass
				0	3.85	34.189	0.0199	-2.5 to 2.5	Pass
				10	3.85	34.404	0.0201	-2.5 to 2.5	Pass
				30	3.85	32.759	0.0191	-2.5 to 2.5	Pass
				40	3.85	37.737	0.0220	-2.5 to 2.5	Pass
				50	3.85	40.326	0.0235	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	4.764	0.0027	-2.5 to 2.5	Pass
					3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0018	-2.5 to 2.5	Pass

				-30	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-9.685	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-10.672	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-14.691	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-8.984	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-9.913	-0.0057	-2.5 to 2.5	Pass
				40	3.85	-12.217	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-11.201	-0.0065	-2.5 to 2.5	Pass
	1750	27	23	20	3.27	1.588	0.0009	-2.5 to 2.5	Pass
					3.85	2.089	0.0012	-2.5 to 2.5	Pass
					4.43	-0.415	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-11.058	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-11.587	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-11.673	-0.0067	-2.5 to 2.5	Pass
				10	3.85	-10.901	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-11.501	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-13.561	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-16.208	-0.0093	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	-6.380	-0.0037	-2.5 to 2.5	Pass
					3.85	-41.556	-0.0242	-2.5 to 2.5	Pass
					4.43	-42.844	-0.0249	-2.5 to 2.5	Pass
				-30	3.85	-34.232	-0.0199	-2.5 to 2.5	Pass
				-20	3.85	-29.411	-0.0171	-2.5 to 2.5	Pass
				-10	3.85	-21.000	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-14.091	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-6.652	-0.0039	-2.5 to 2.5	Pass
				30	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				40	3.85	3.304	0.0019	-2.5 to 2.5	Pass
				50	3.85	6.266	0.0036	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	12.274	0.0071	-2.5 to 2.5	Pass
					3.85	0.472	0.0003	-2.5 to 2.5	Pass
					4.43	-6.251	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-3.934	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-9.656	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-7.181	-0.0041	-2.5 to 2.5	Pass
				30	3.85	-7.439	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	20.628	0.0118	-2.5 to 2.5	Pass
					3.85	16.122	0.0092	-2.5 to 2.5	Pass
					4.43	28.853	0.0165	-2.5 to 2.5	Pass
				-30	3.85	2.160	0.0012	-2.5 to 2.5	Pass
				-20	3.85	12.031	0.0069	-2.5 to 2.5	Pass
				-10	3.85	17.881	0.0102	-2.5 to 2.5	Pass
				0	3.85	22.430	0.0128	-2.5 to 2.5	Pass
				10	3.85	25.563	0.0146	-2.5 to 2.5	Pass
				30	3.85	30.499	0.0175	-2.5 to 2.5	Pass
				40	3.85	29.769	0.0170	-2.5 to 2.5	Pass

				50	3.85	32.401	0.0185	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.27	10.901	0.0063	-2.5 to 2.5	Pass
					3.85	14.277	0.0083	-2.5 to 2.5	Pass
					4.43	14.091	0.0082	-2.5 to 2.5	Pass
				-30	3.85	15.965	0.0093	-2.5 to 2.5	Pass
				-20	3.85	17.924	0.0104	-2.5 to 2.5	Pass
				-10	3.85	20.256	0.0118	-2.5 to 2.5	Pass
				0	3.85	20.871	0.0122	-2.5 to 2.5	Pass
				10	3.85	24.848	0.0145	-2.5 to 2.5	Pass
				30	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-19.512	-0.0114	-2.5 to 2.5	Pass
				50	3.85	-20.986	-0.0122	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	-5.679	-0.0033	-2.5 to 2.5	Pass
					3.85	-11.230	-0.0065	-2.5 to 2.5	Pass
					4.43	-10.314	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-17.481	-0.0101	-2.5 to 2.5	Pass
				-20	3.85	-19.655	-0.0113	-2.5 to 2.5	Pass
				-10	3.85	-23.003	-0.0133	-2.5 to 2.5	Pass
				0	3.85	-22.073	-0.0127	-2.5 to 2.5	Pass
				10	3.85	-25.091	-0.0145	-2.5 to 2.5	Pass
				30	3.85	-27.094	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-29.154	-0.0168	-2.5 to 2.5	Pass
				50	3.85	-28.253	-0.0163	-2.5 to 2.5	Pass
	1747.5	27	48	20	3.27	31.672	0.0181	-2.5 to 2.5	Pass
					3.85	35.276	0.0202	-2.5 to 2.5	Pass
					4.43	32.115	0.0184	-2.5 to 2.5	Pass
				-30	3.85	24.118	0.0138	-2.5 to 2.5	Pass
				-20	3.85	21.343	0.0122	-2.5 to 2.5	Pass
				-10	3.85	24.219	0.0139	-2.5 to 2.5	Pass
				0	3.85	24.590	0.0141	-2.5 to 2.5	Pass
				10	3.85	23.360	0.0134	-2.5 to 2.5	Pass
				30	3.85	23.561	0.0135	-2.5 to 2.5	Pass
				40	3.85	23.589	0.0135	-2.5 to 2.5	Pass
				50	3.85	22.244	0.0127	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-5.207	-0.0030	-2.5 to 2.5	Pass
					3.85	-20.714	-0.0120	-2.5 to 2.5	Pass
					4.43	-8.740	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	2.747	0.0016	-2.5 to 2.5	Pass
				-20	3.85	14.234	0.0083	-2.5 to 2.5	Pass
				-10	3.85	21.400	0.0124	-2.5 to 2.5	Pass
				0	3.85	29.182	0.0170	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				30	3.85	5.393	0.0031	-2.5 to 2.5	Pass
				40	3.85	12.560	0.0073	-2.5 to 2.5	Pass
				50	3.85	14.005	0.0081	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-10.800	-0.0062	-2.5 to 2.5	Pass
					3.85	-26.622	-0.0154	-2.5 to 2.5	Pass
					4.43	-25.520	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-24.047	-0.0139	-2.5 to 2.5	Pass
				-20	3.85	-28.381	-0.0164	-2.5 to 2.5	Pass
				-10	3.85	-24.476	-0.0141	-2.5 to 2.5	Pass

				0	3.85	-29.154	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-27.509	-0.0159	-2.5 to 2.5	Pass
				30	3.85	-24.061	-0.0139	-2.5 to 2.5	Pass
				40	3.85	-26.722	-0.0154	-2.5 to 2.5	Pass
				50	3.85	-23.775	-0.0137	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-7.639	-0.0044	-2.5 to 2.5	Pass
					3.85	1.245	0.0007	-2.5 to 2.5	Pass
					4.43	15.335	0.0088	-2.5 to 2.5	Pass
				-30	3.85	28.553	0.0164	-2.5 to 2.5	Pass
				-20	3.85	12.703	0.0073	-2.5 to 2.5	Pass
				-10	3.85	17.238	0.0099	-2.5 to 2.5	Pass
				0	3.85	22.917	0.0131	-2.5 to 2.5	Pass
				10	3.85	28.453	0.0163	-2.5 to 2.5	Pass
				30	3.85	33.388	0.0191	-2.5 to 2.5	Pass
				40	3.85	38.409	0.0220	-2.5 to 2.5	Pass
				50	3.85	6.995	0.0040	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	16.766	0.0097	-2.5 to 2.5	Pass
					3.85	21.129	0.0123	-2.5 to 2.5	Pass
					4.43	23.289	0.0135	-2.5 to 2.5	Pass
				-30	3.85	30.026	0.0175	-2.5 to 2.5	Pass
				-20	3.85	35.219	0.0205	-2.5 to 2.5	Pass
				-10	3.85	32.115	0.0187	-2.5 to 2.5	Pass
				0	3.85	-8.583	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				40	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				50	3.85	3.548	0.0021	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	-23.789	-0.0137	-2.5 to 2.5	Pass
					3.85	-23.732	-0.0137	-2.5 to 2.5	Pass
					4.43	-29.883	-0.0172	-2.5 to 2.5	Pass
				-30	3.85	-32.601	-0.0188	-2.5 to 2.5	Pass
				-20	3.85	-33.488	-0.0193	-2.5 to 2.5	Pass
				-10	3.85	-32.458	-0.0187	-2.5 to 2.5	Pass
				0	3.85	-37.937	-0.0219	-2.5 to 2.5	Pass
				10	3.85	21.744	0.0126	-2.5 to 2.5	Pass
				30	3.85	22.502	0.0130	-2.5 to 2.5	Pass
				40	3.85	22.817	0.0132	-2.5 to 2.5	Pass
				50	3.85	20.642	0.0119	-2.5 to 2.5	Pass
	1745	27	73	20	3.27	7.610	0.0044	-2.5 to 2.5	Pass
					3.85	3.991	0.0023	-2.5 to 2.5	Pass
					4.43	-0.987	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-10.171	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-12.860	-0.0074	-2.5 to 2.5	Pass
				0	3.85	-14.577	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-14.448	-0.0083	-2.5 to 2.5	Pass
				30	3.85	-18.382	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-18.811	-0.0108	-2.5 to 2.5	Pass
				50	3.85	-22.187	-0.0127	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

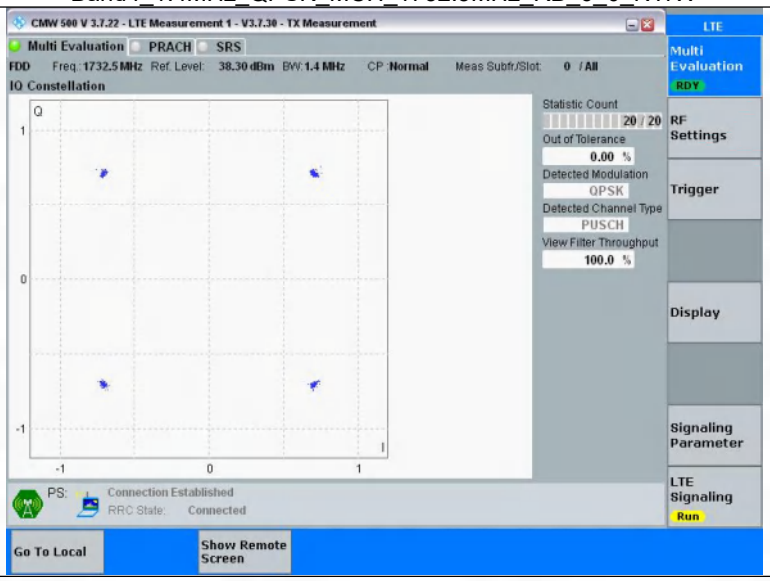
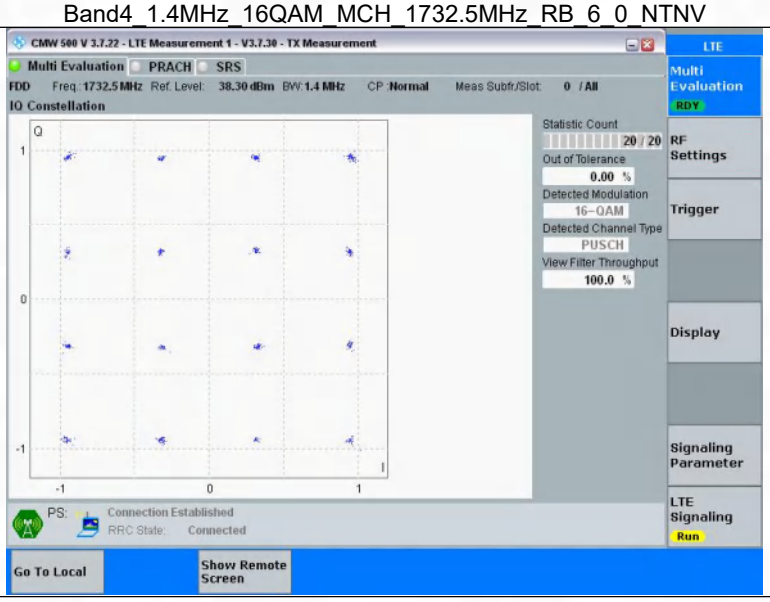
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

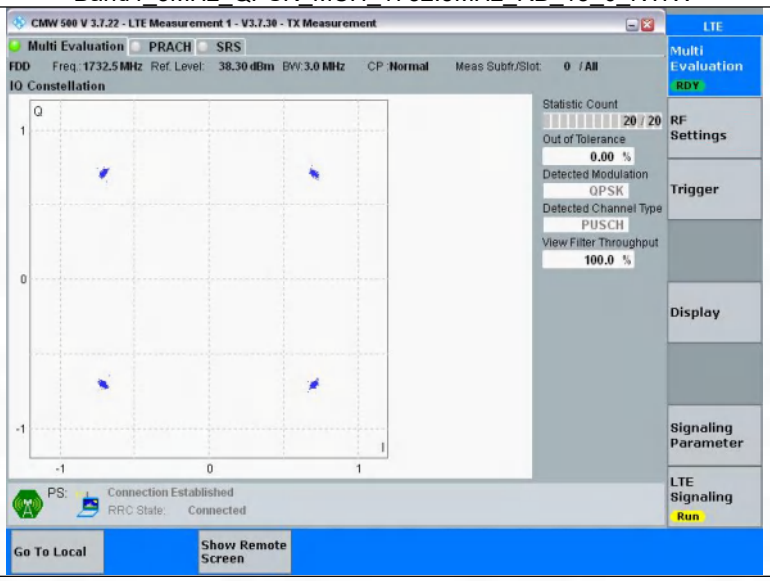
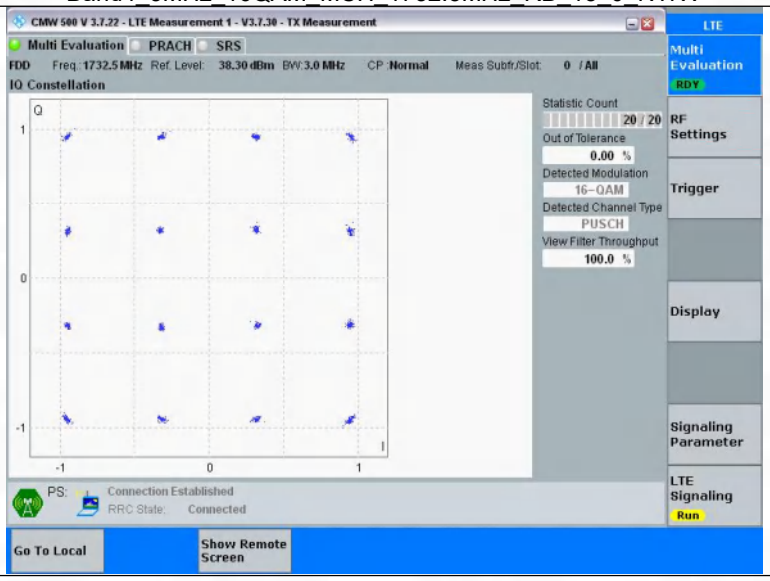
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

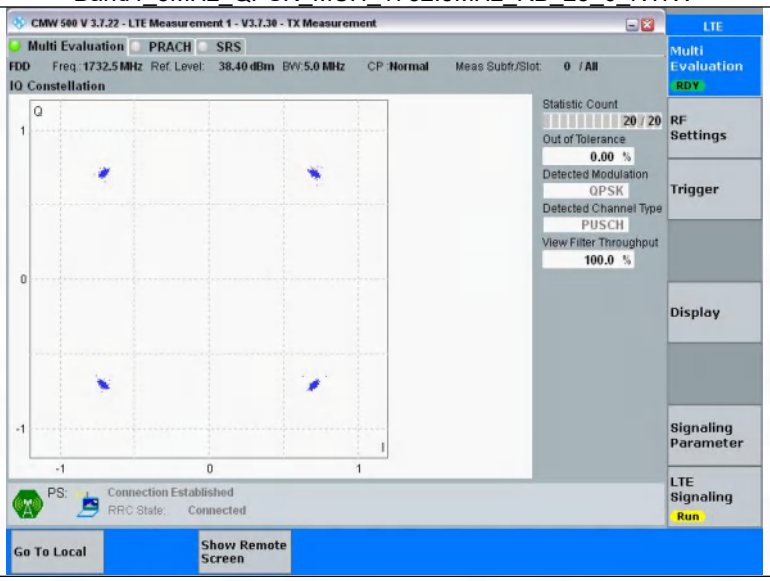
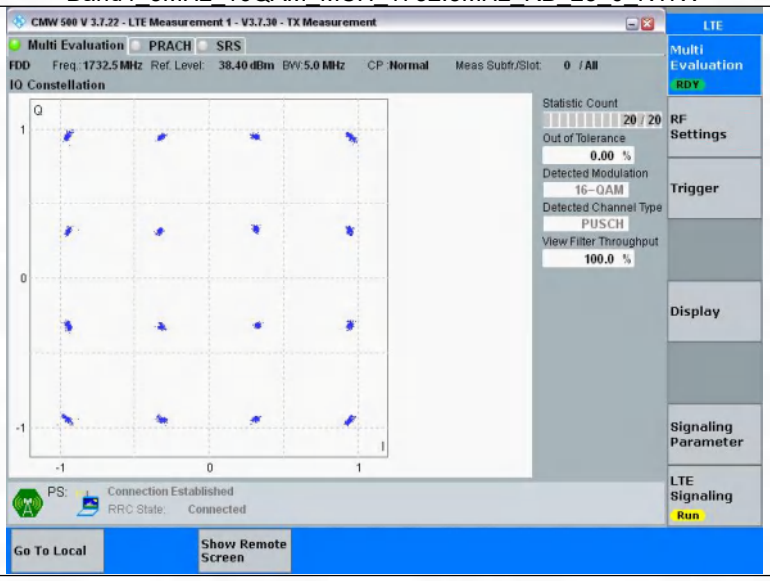
3.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV


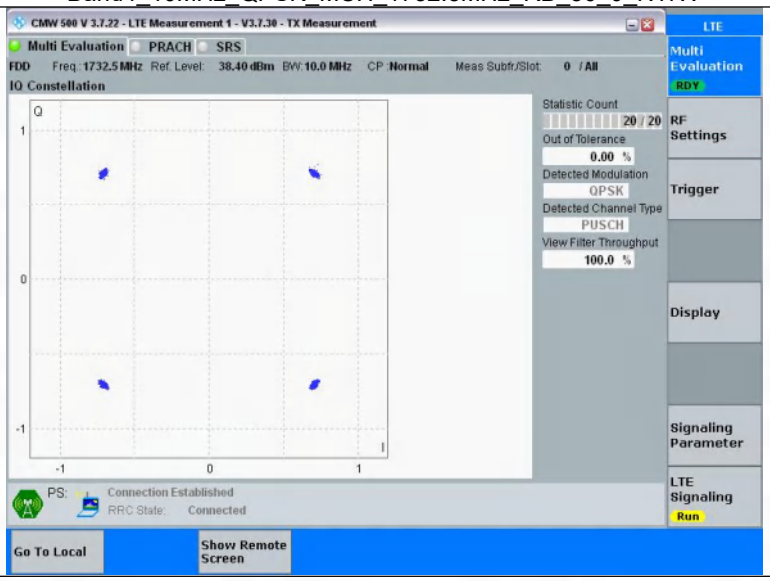
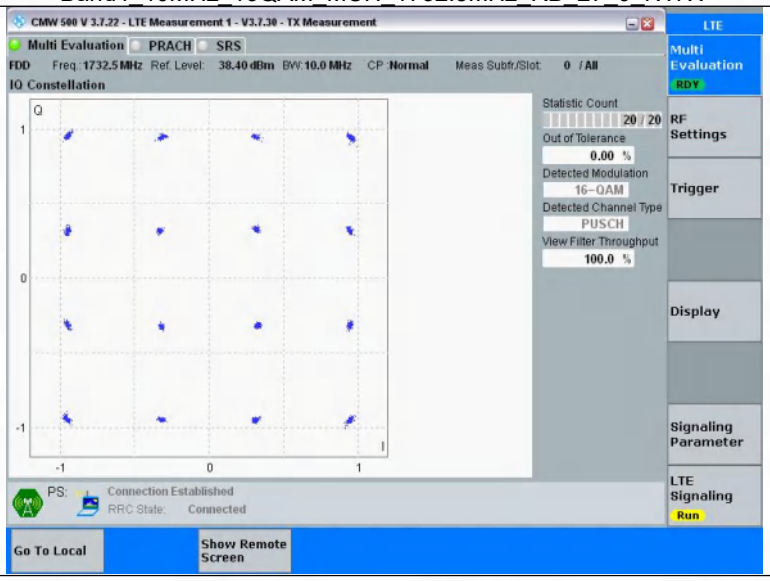
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


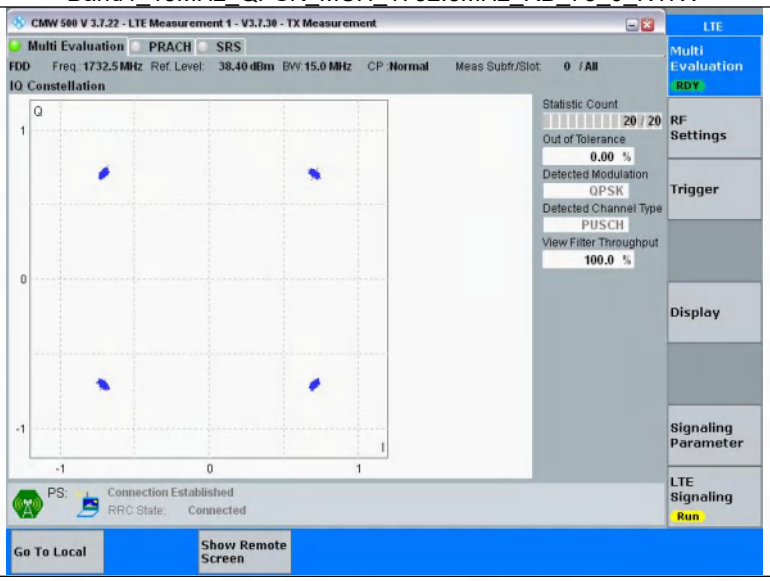
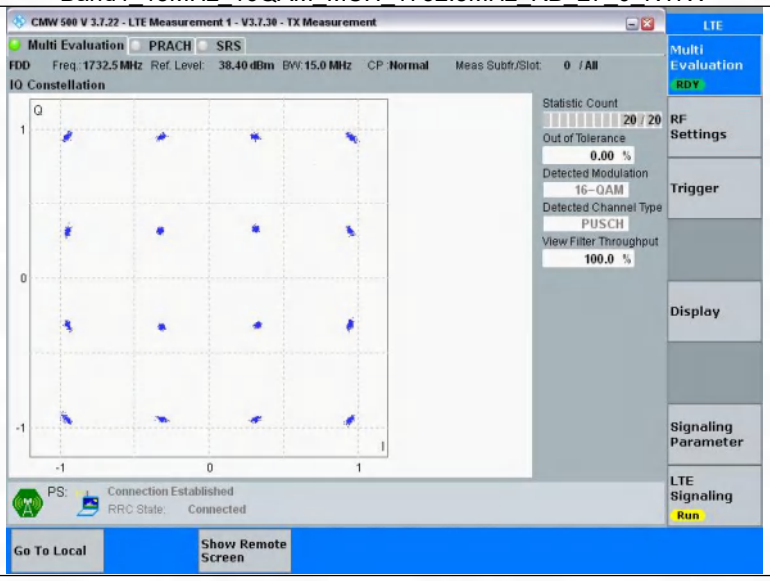
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


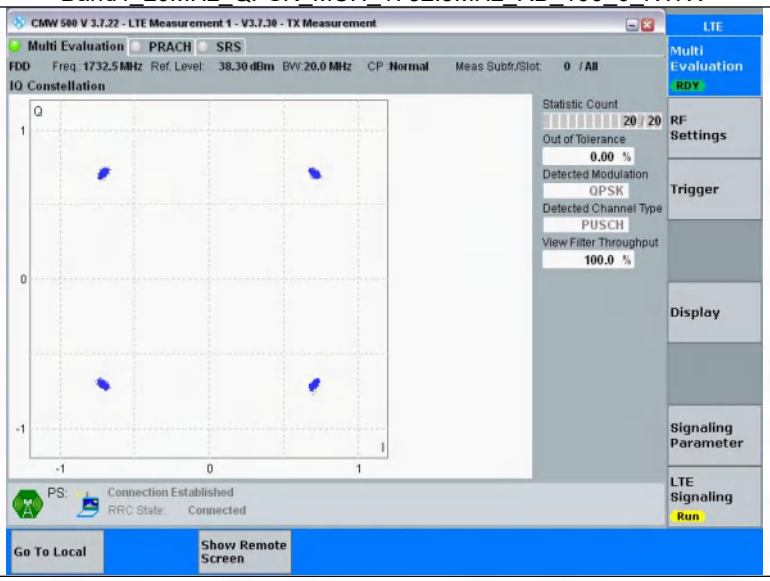
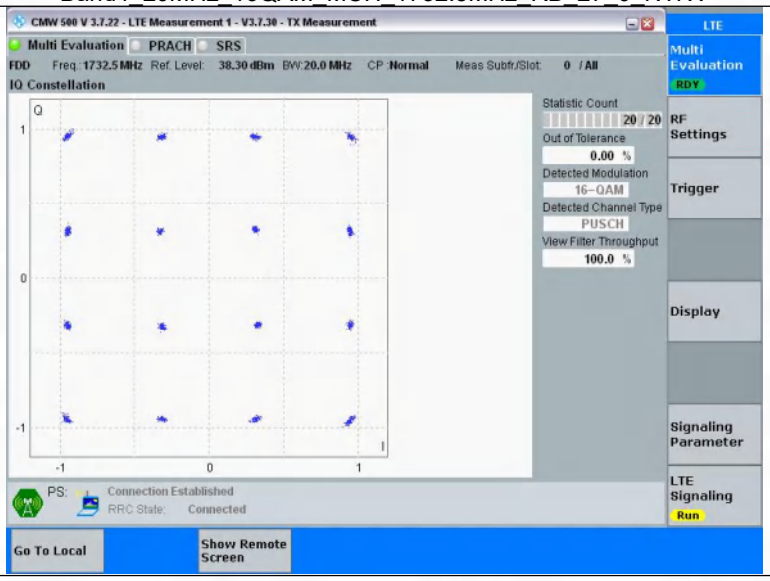
3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.121	/	Pass
	16QAM	1710.7	6	0	1.123	/	Pass
		1732.5	6	0	1.120	/	Pass
		1754.3	6	0	1.113	/	Pass
3	QPSK	1711.5	15	0	2.760	/	Pass
		1732.5	15	0	2.756	/	Pass
		1753.5	15	0	2.771	/	Pass
	16QAM	1711.5	15	0	2.760	/	Pass
		1732.5	15	0	2.755	/	Pass
		1753.5	15	0	2.751	/	Pass
5	QPSK	1712.5	25	0	4.551	/	Pass
		1732.5	25	0	4.557	/	Pass
		1752.5	25	0	4.582	/	Pass
	16QAM	1712.5	25	0	4.584	/	Pass
		1732.5	25	0	4.583	/	Pass
		1752.5	25	0	4.549	/	Pass
10	QPSK	1715	50	0	9.081	/	Pass
		1732.5	50	0	9.051	/	Pass
		1750	50	0	9.063	/	Pass
	16QAM	1715	27	0	5.829	/	Pass
		1732.5	27	0	5.364	/	Pass
		1750	27	23	5.601	/	Pass
15	QPSK	1717.5	75	0	13.625	/	Pass
		1732.5	75	0	13.575	/	Pass
		1747.5	75	0	13.615	/	Pass
	16QAM	1717.5	27	0	7.018	/	Pass
		1732.5	27	0	6.773	/	Pass
		1747.5	27	48	6.699	/	Pass
20	QPSK	1720	100	0	18.175	/	Pass
		1732.5	100	0	18.125	/	Pass
		1745	100	0	18.180	/	Pass
	16QAM	1720	27	0	10.230	/	Pass
		1732.5	27	0	9.159	/	Pass
		1745	27	73	9.427	/	Pass

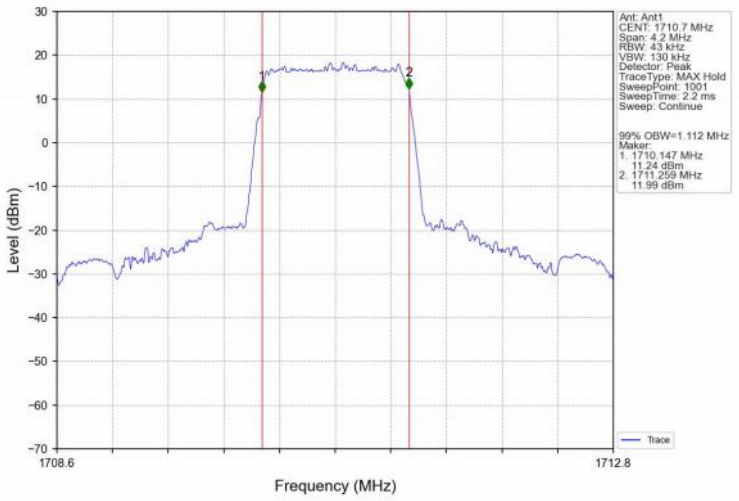
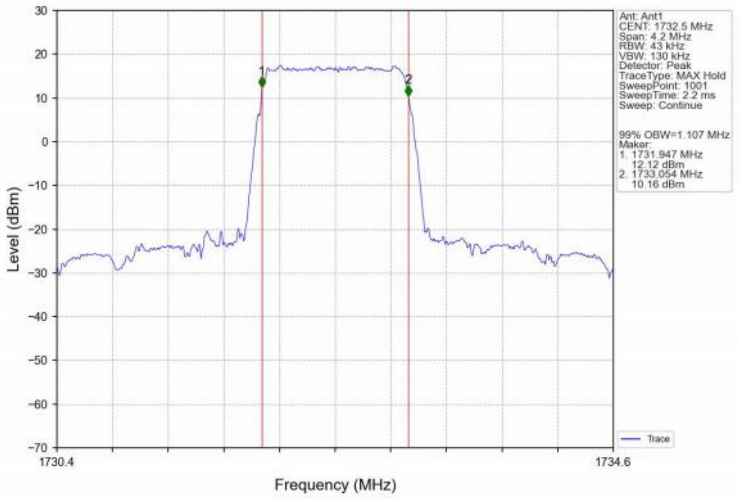
4.1.2 Band4_XDB

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.268	/	Pass
		1732.5	6	0	1.274	/	Pass
		1754.3	6	0	1.273	/	Pass

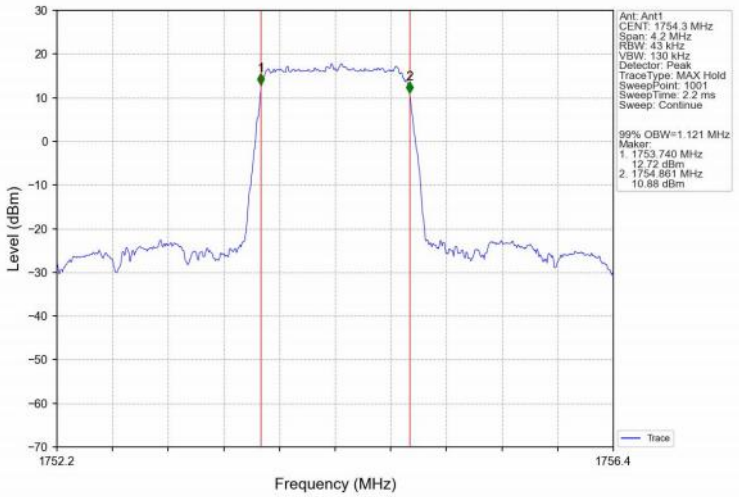
	16QAM	1710.7	6	0	1.277	/	Pass
		1732.5	6	0	1.276	/	Pass
		1754.3	6	0	1.269	/	Pass
3	QPSK	1711.5	15	0	3.092	/	Pass
		1732.5	15	0	3.093	/	Pass
		1753.5	15	0	3.116	/	Pass
	16QAM	1711.5	15	0	3.120	/	Pass
		1732.5	15	0	3.115	/	Pass
		1753.5	15	0	3.077	/	Pass
5	QPSK	1712.5	25	0	5.025	/	Pass
		1732.5	25	0	5.069	/	Pass
		1752.5	25	0	5.065	/	Pass
	16QAM	1712.5	25	0	5.070	/	Pass
		1732.5	25	0	5.049	/	Pass
		1752.5	25	0	5.033	/	Pass
10	QPSK	1715	50	0	10.059	/	Pass
		1732.5	50	0	10.062	/	Pass
		1750	50	0	10.050	/	Pass
	16QAM	1715	27	0	9.237	/	Pass
		1732.5	27	0	7.874	/	Pass
		1750	27	23	9.101	/	Pass
15	QPSK	1717.5	75	0	15.203	/	Pass
		1732.5	75	0	15.026	/	Pass
		1747.5	75	0	15.259	/	Pass
	16QAM	1717.5	27	0	11.009	/	Pass
		1732.5	27	0	10.579	/	Pass
		1747.5	27	48	11.106	/	Pass
20	QPSK	1720	100	0	20.071	/	Pass
		1732.5	100	0	20.026	/	Pass
		1745	100	0	19.943	/	Pass
	16QAM	1720	27	0	14.996	/	Pass
		1732.5	27	0	14.628	/	Pass
		1745	27	73	13.927	/	Pass

4.2 Test Graph

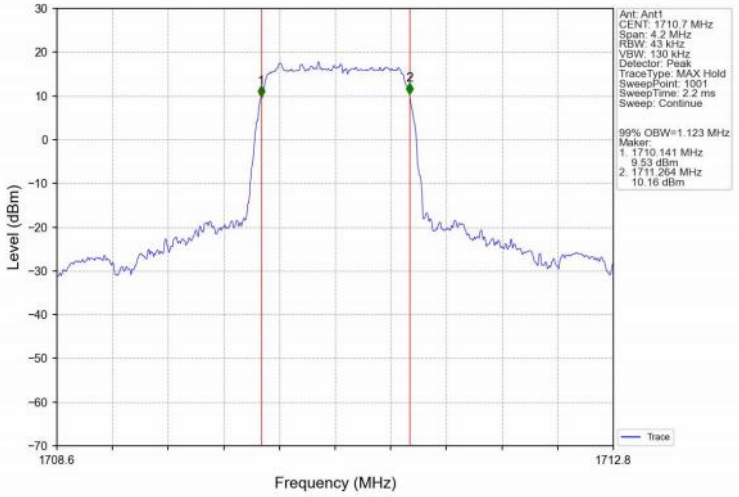
4.2.1 Band4_OBW

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


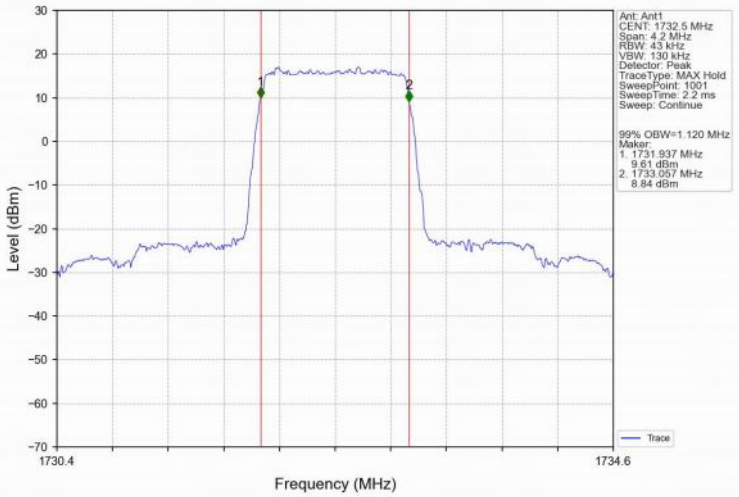
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



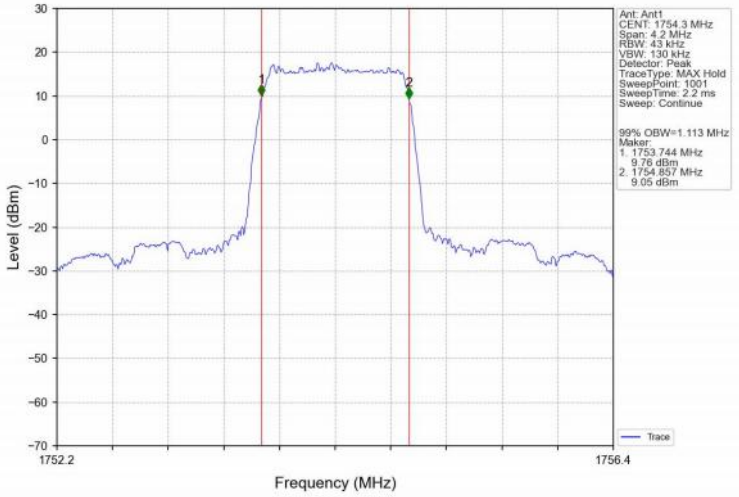
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



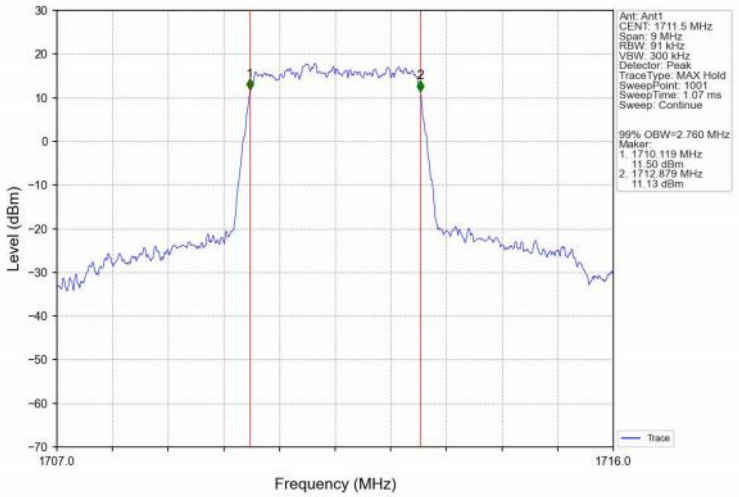
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



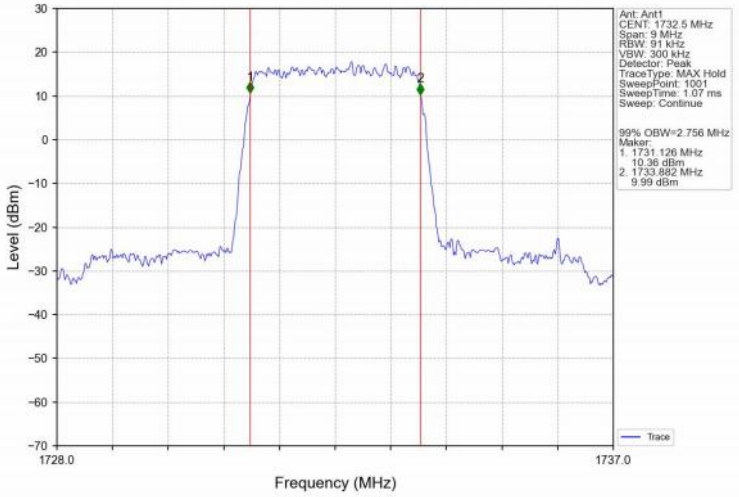
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

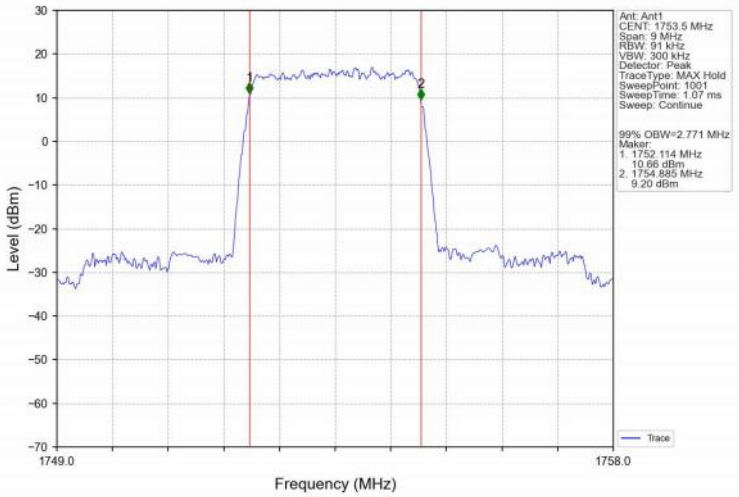
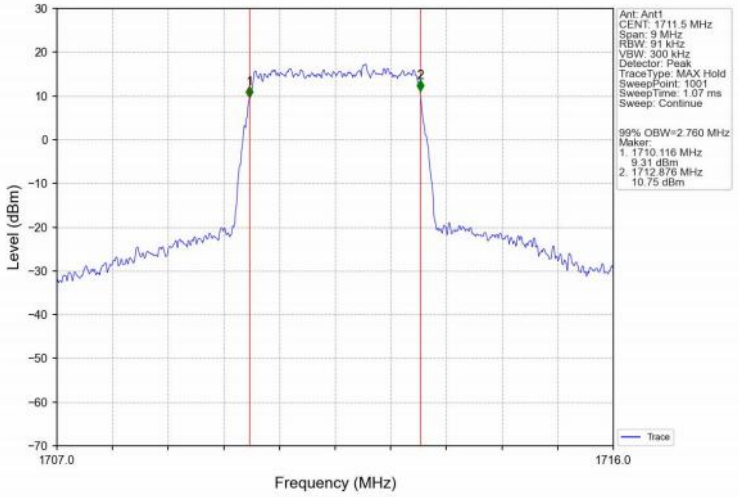


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

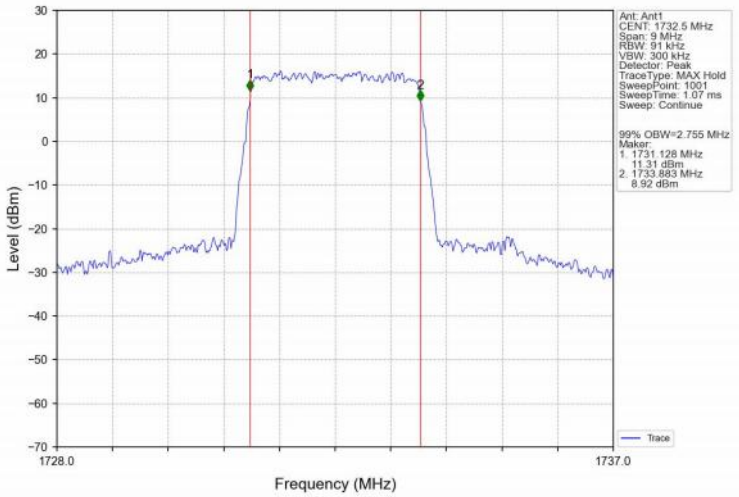


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

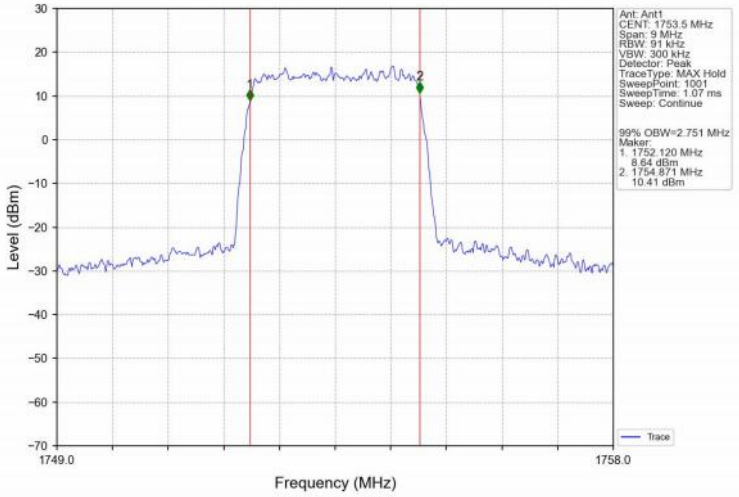


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV


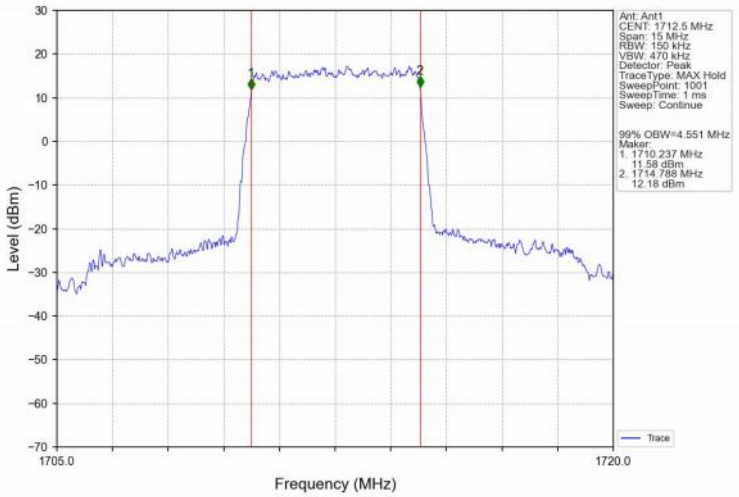
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



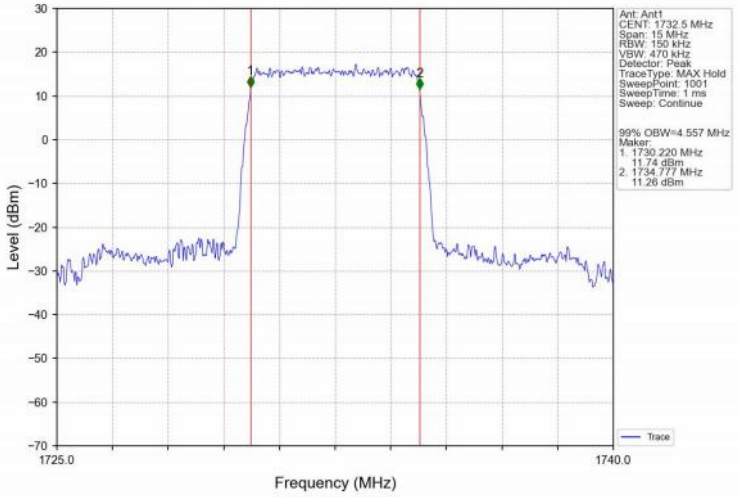
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



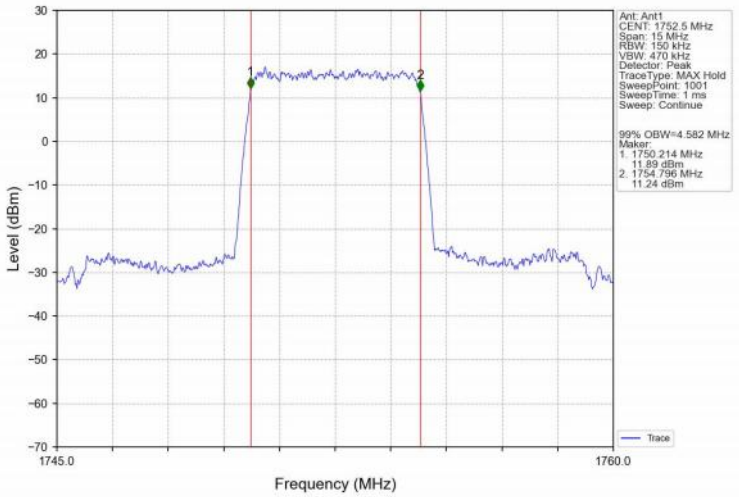
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



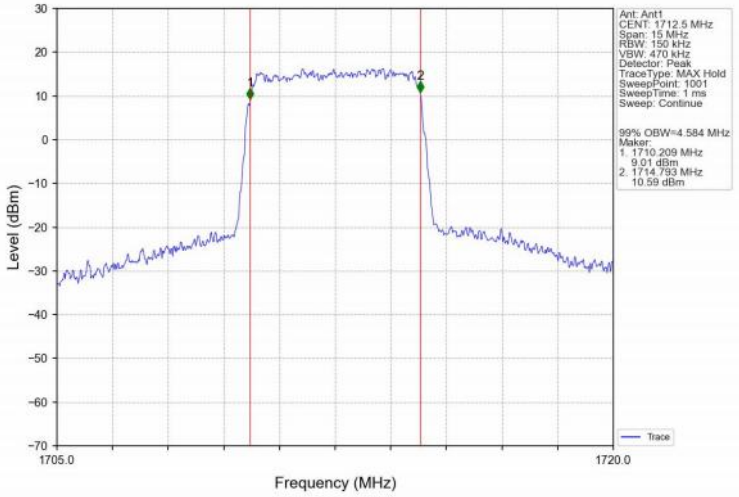
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



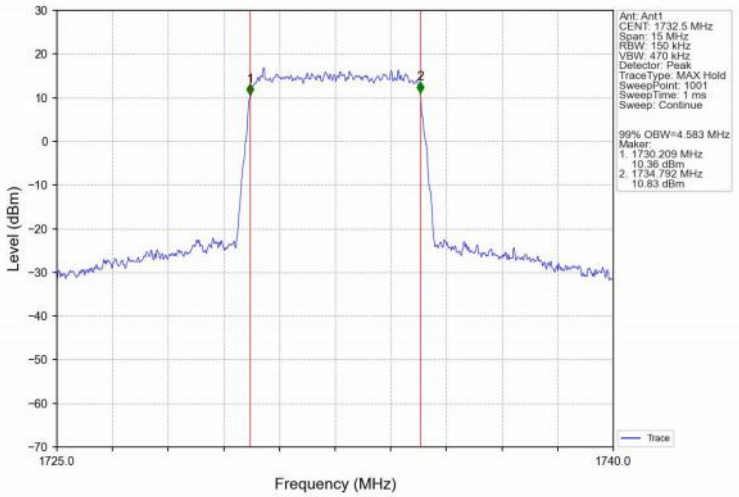
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



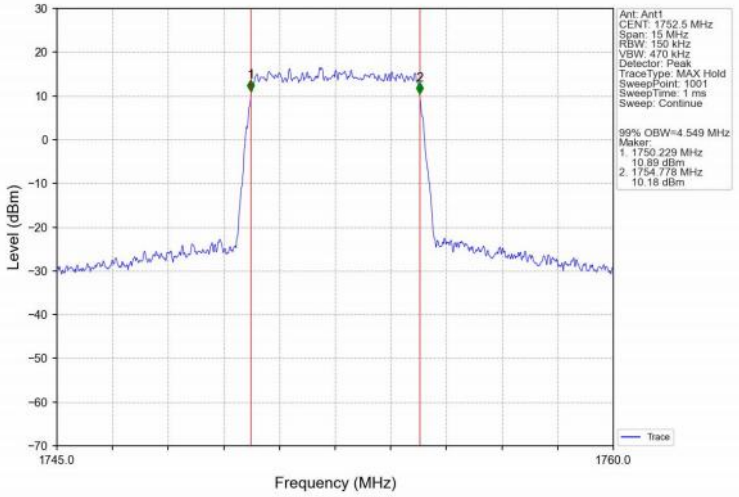
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



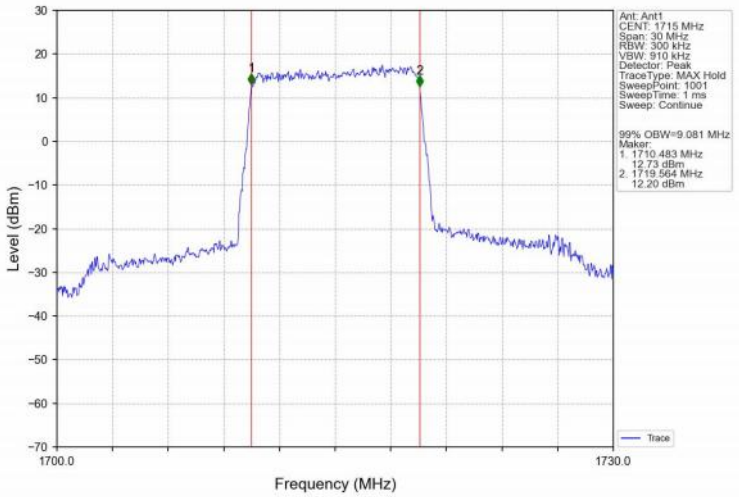
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



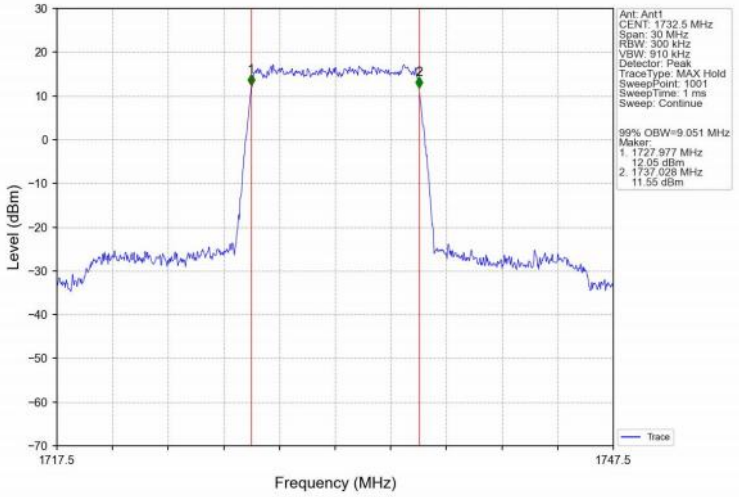
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



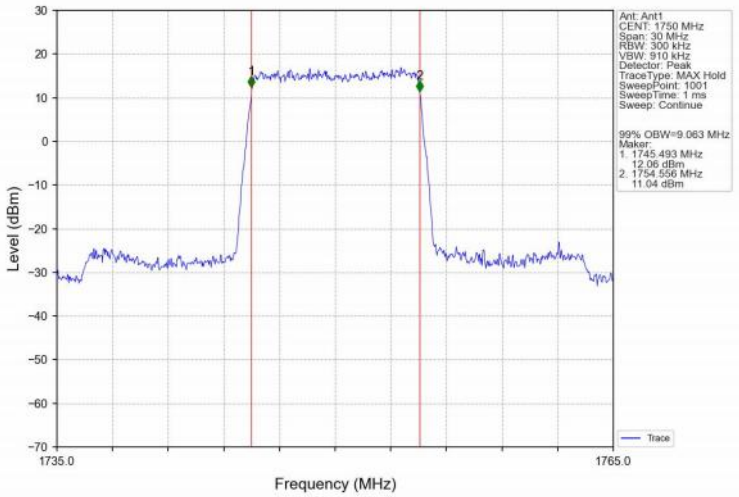
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



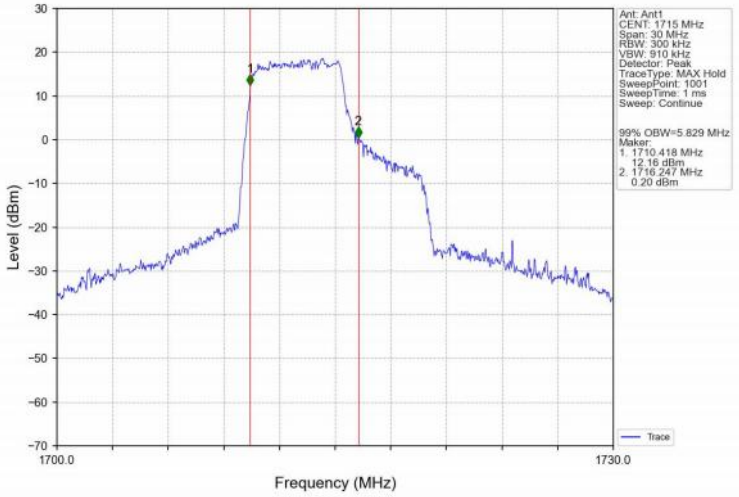
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



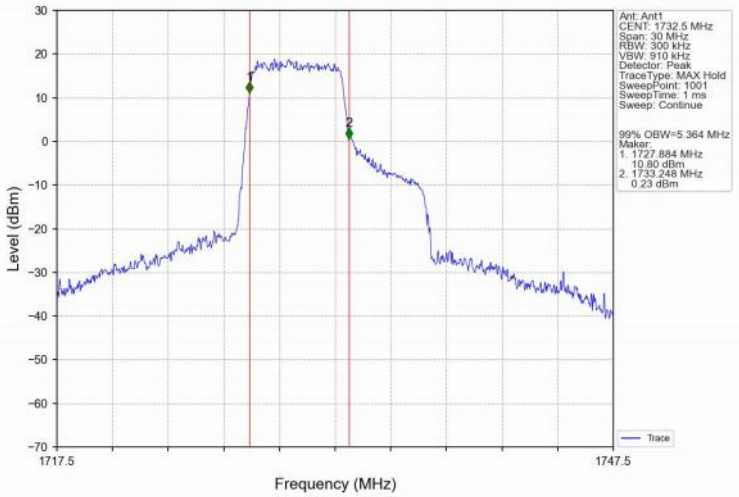
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



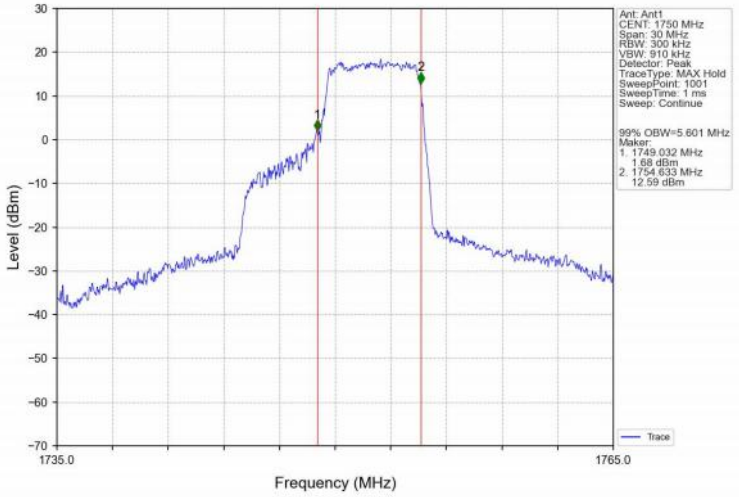
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



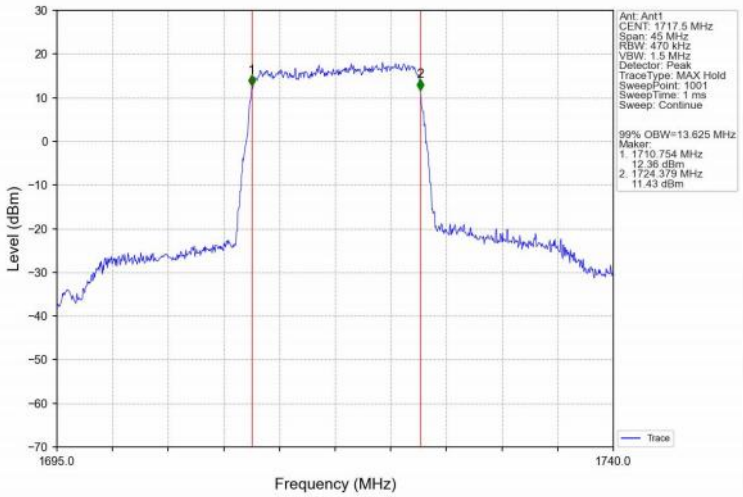
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



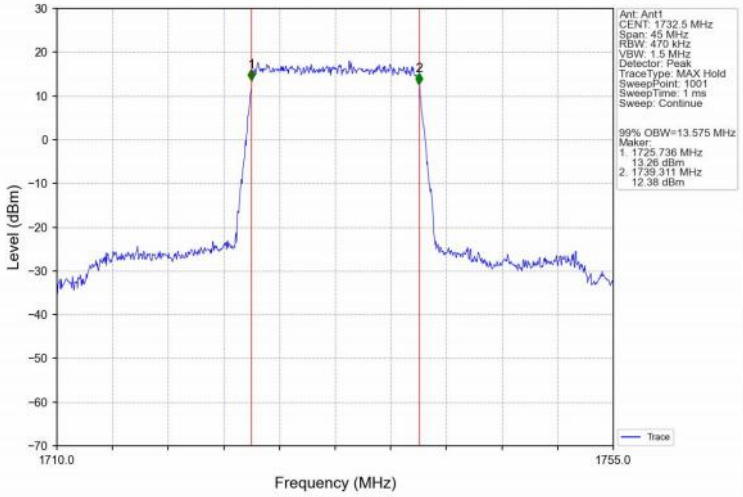
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



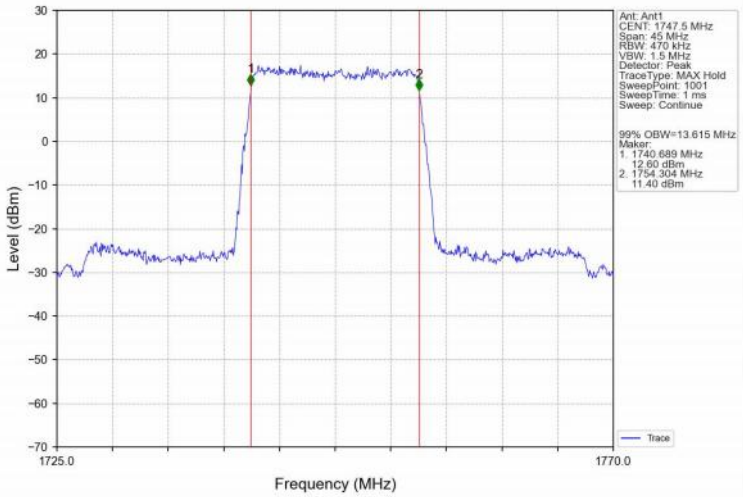
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



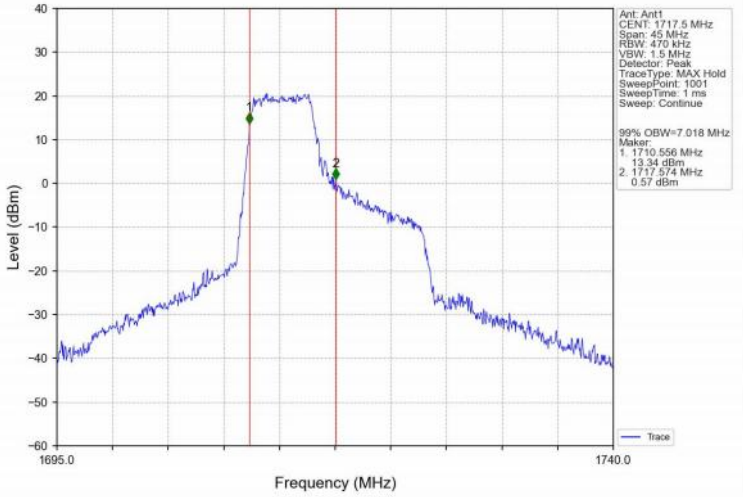
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

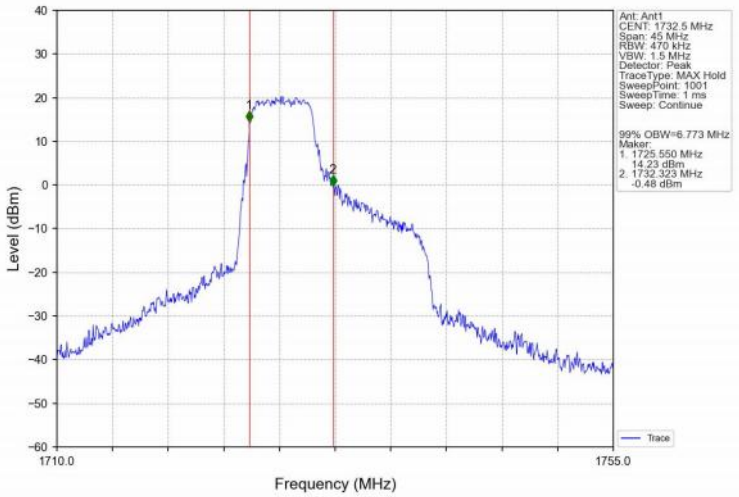
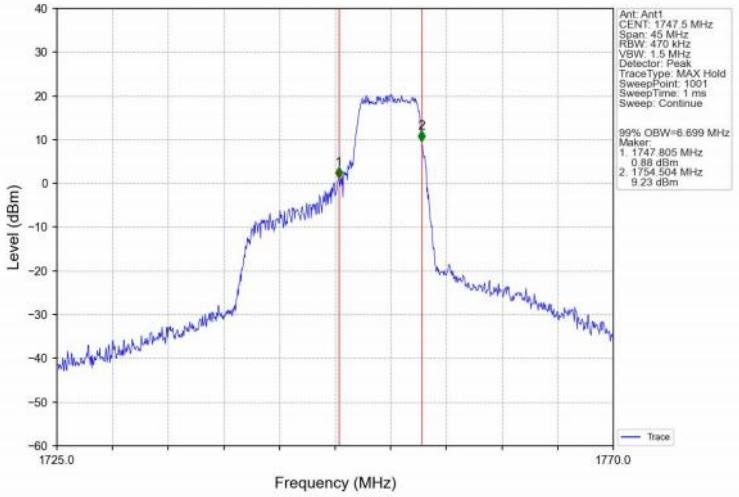


Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

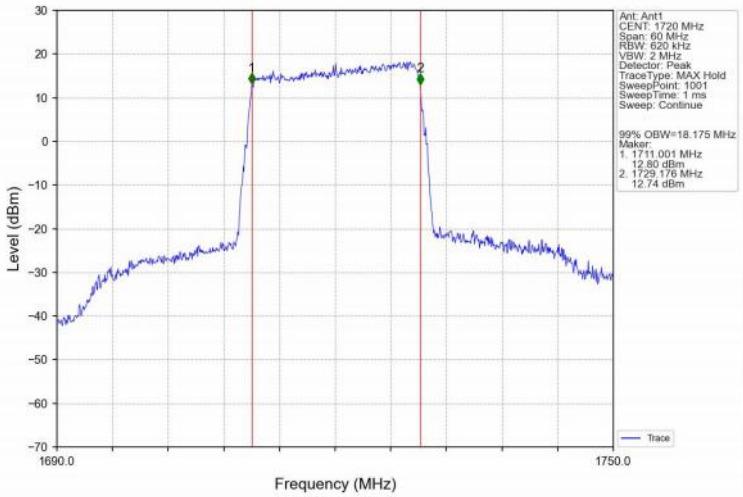


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV

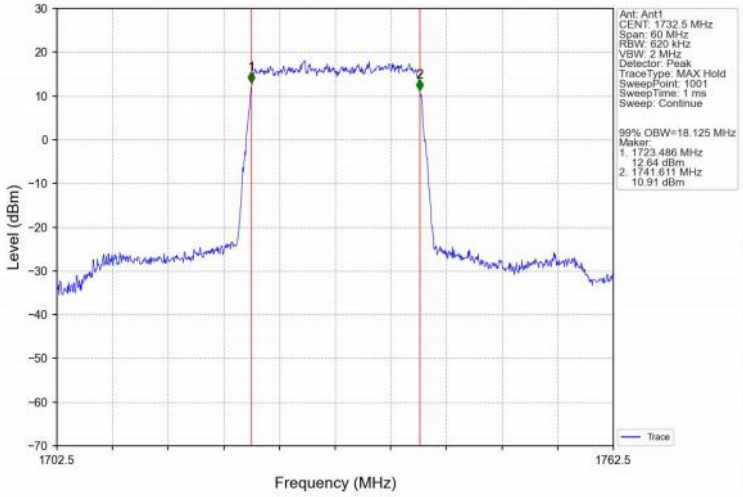


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV


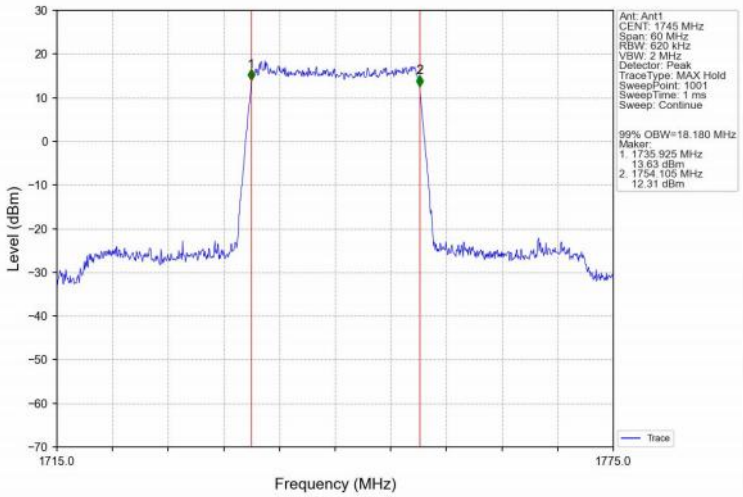
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



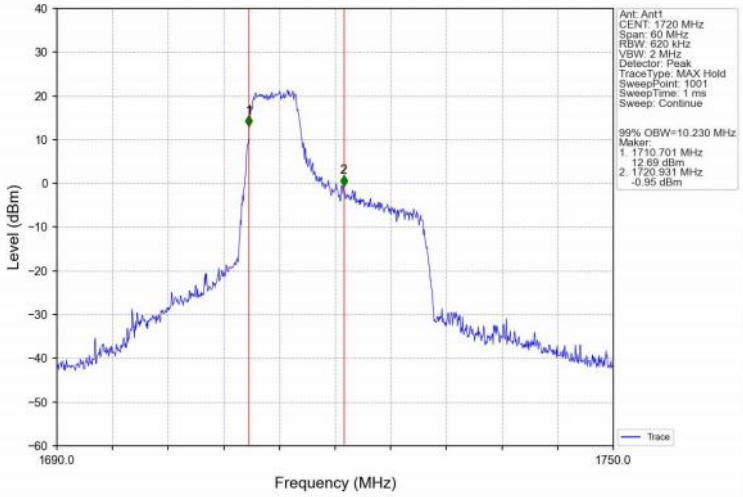
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



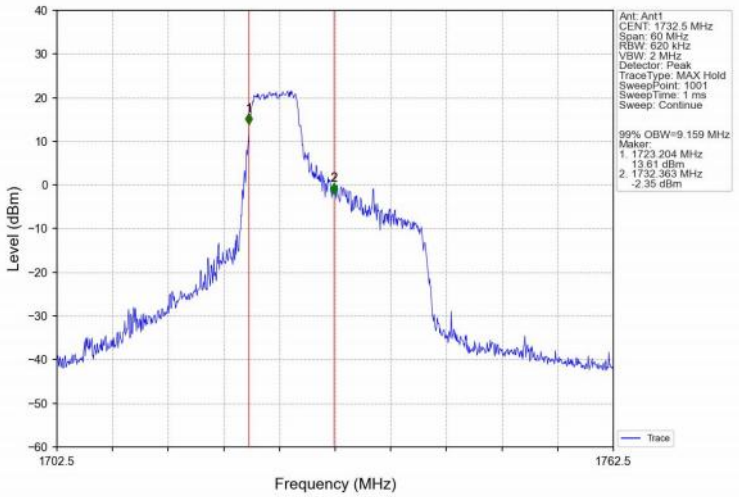
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



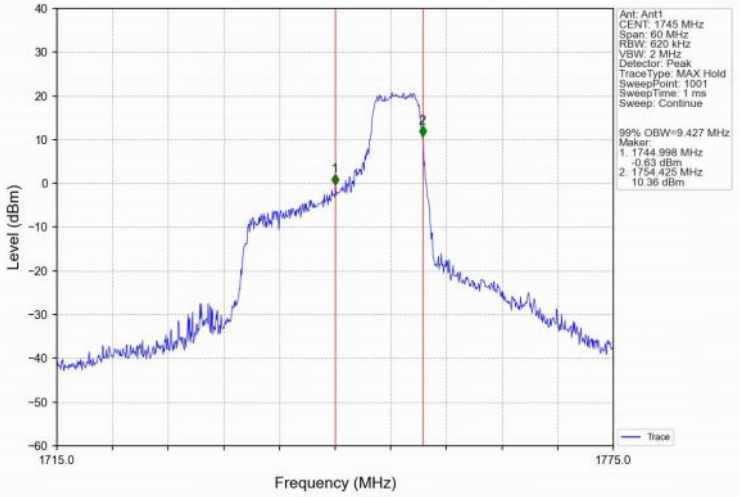
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



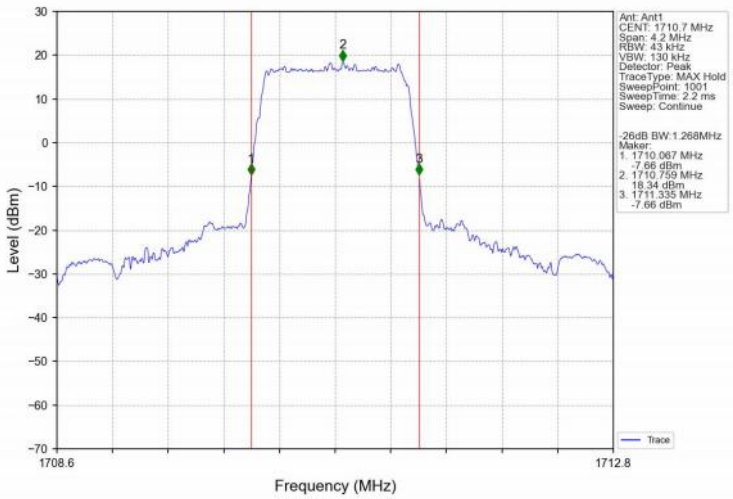
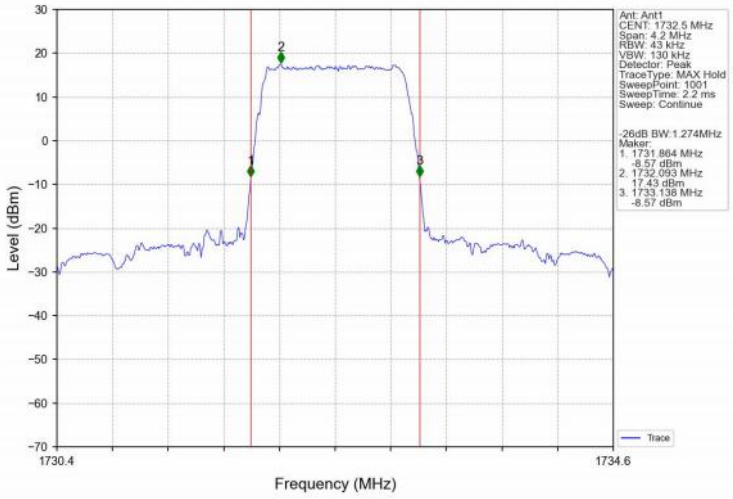
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



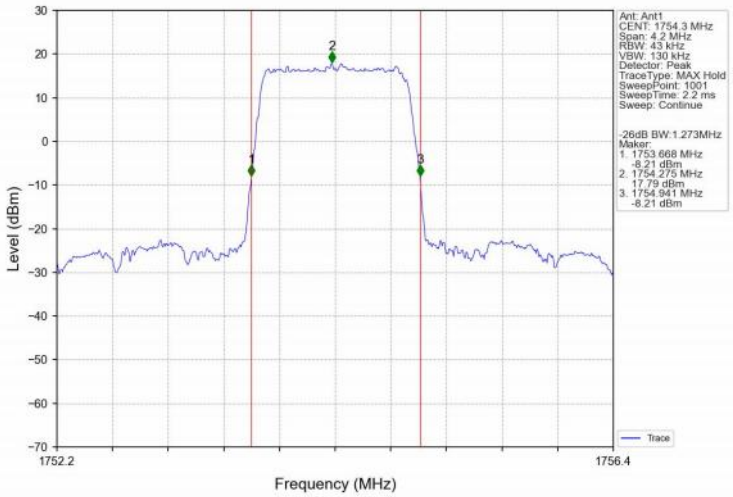
Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



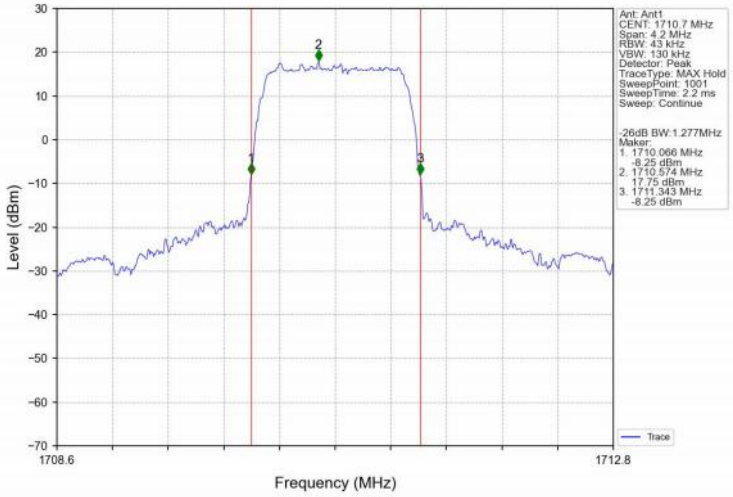
4.2.2 Band4_XDB

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV


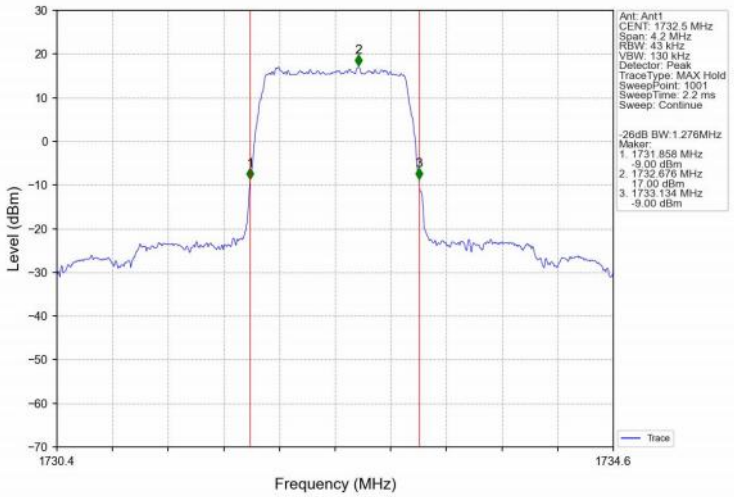
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



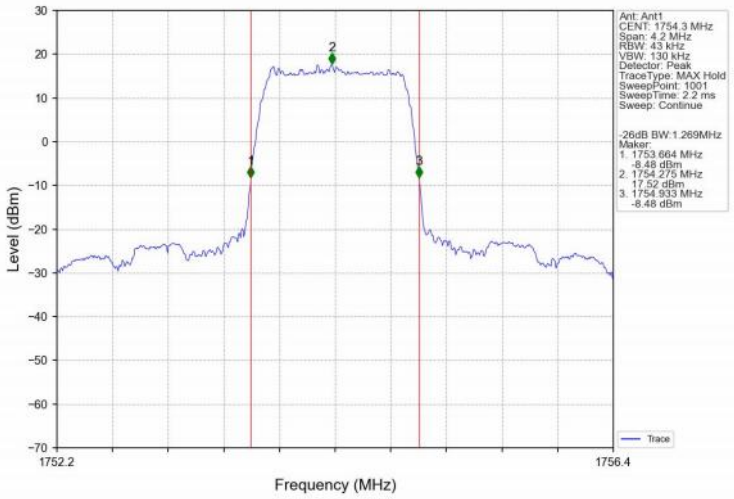
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



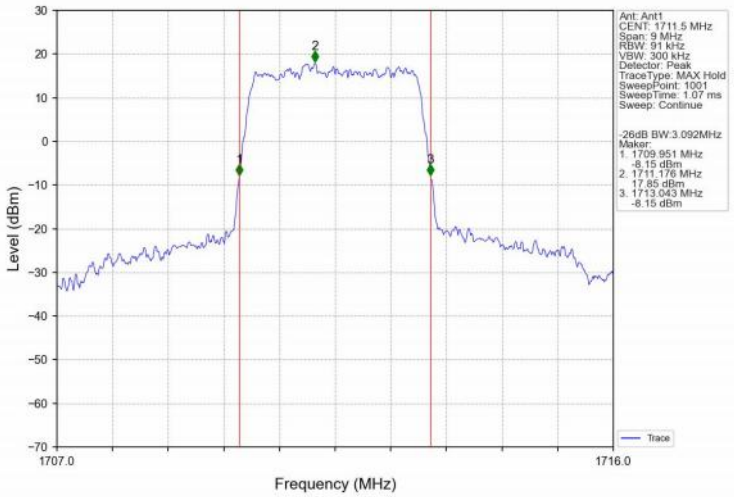
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



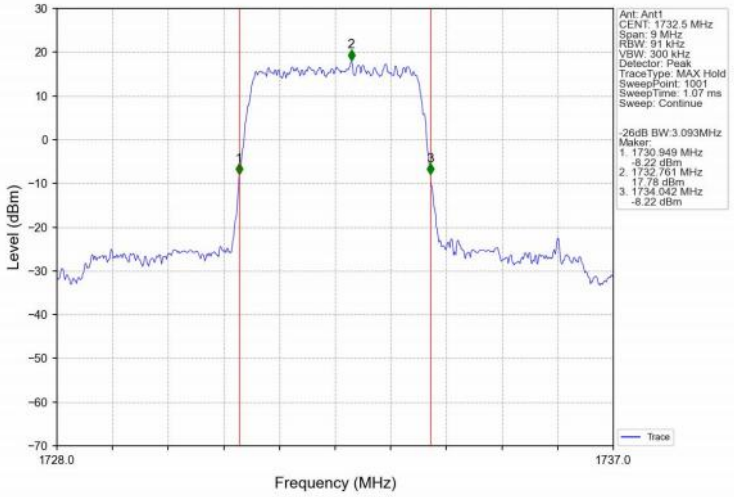
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



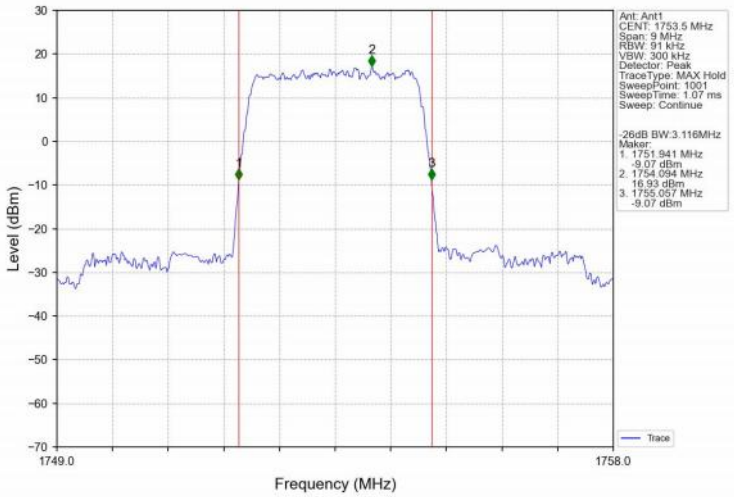
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



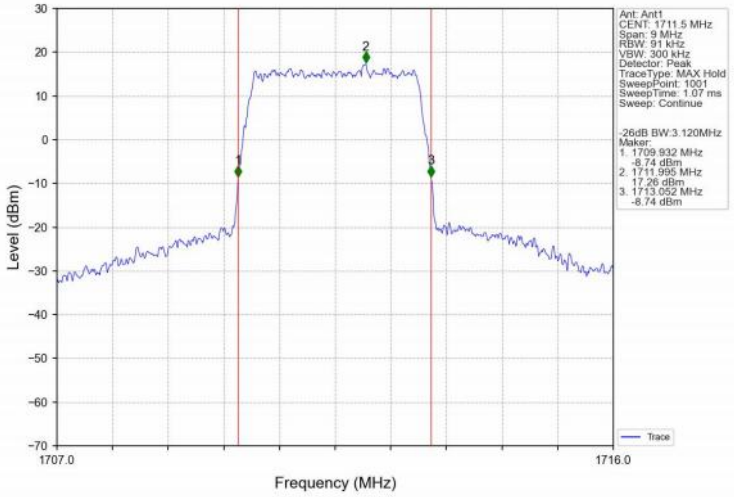
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

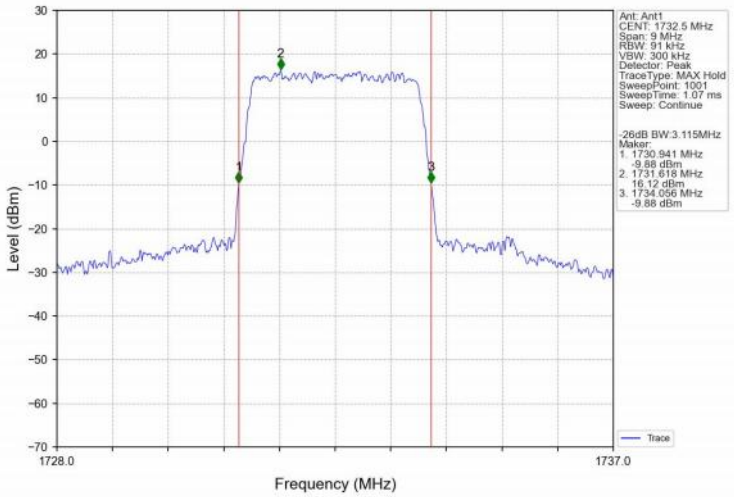
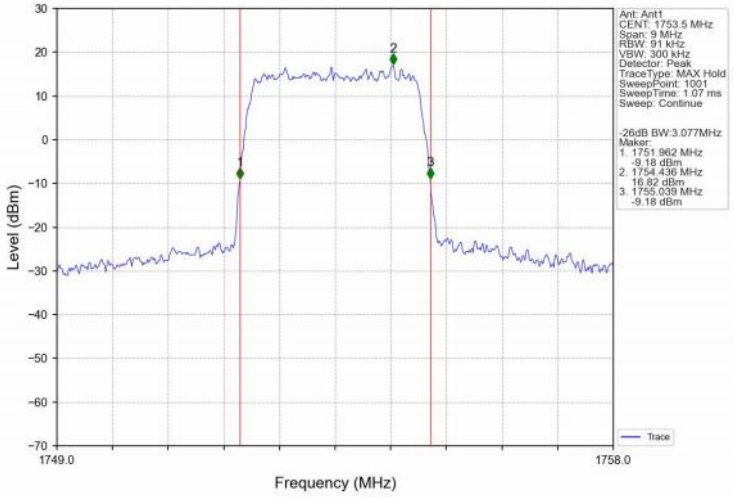


Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

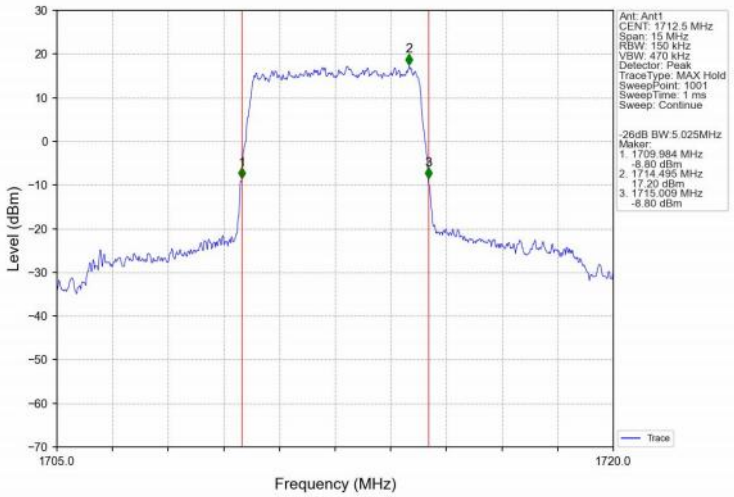


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

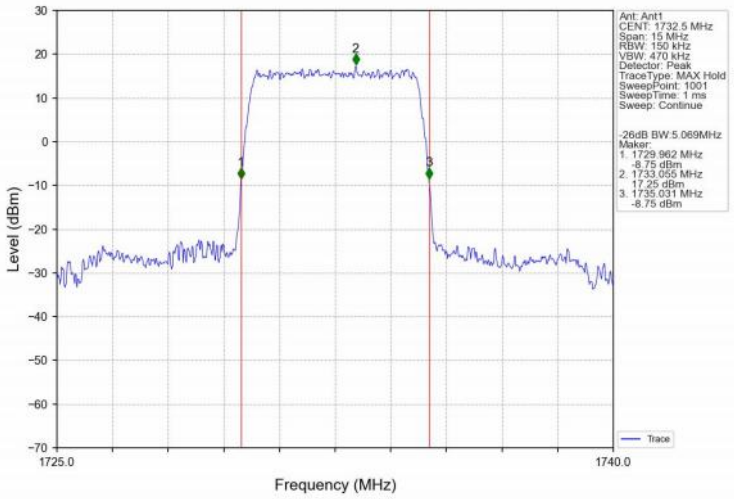


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV


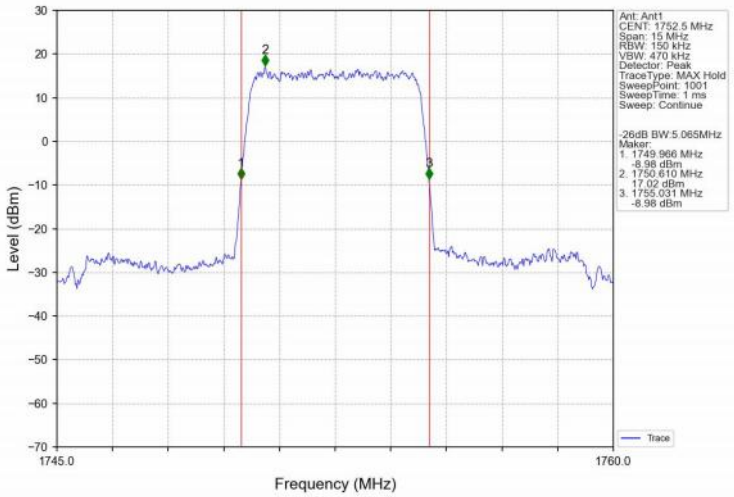
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



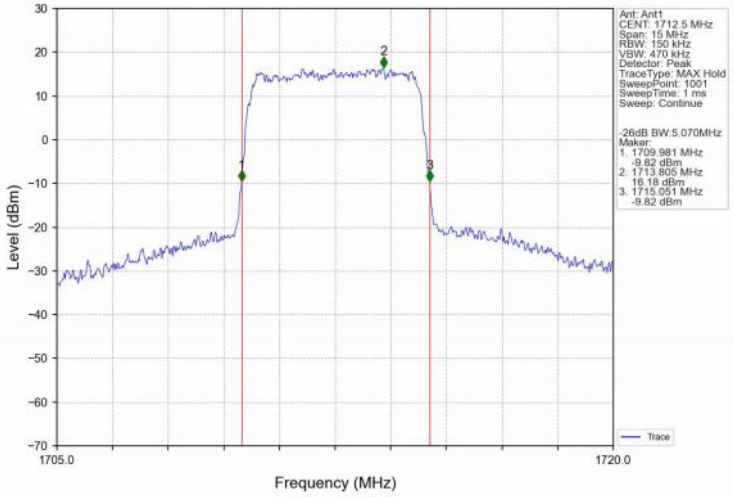
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

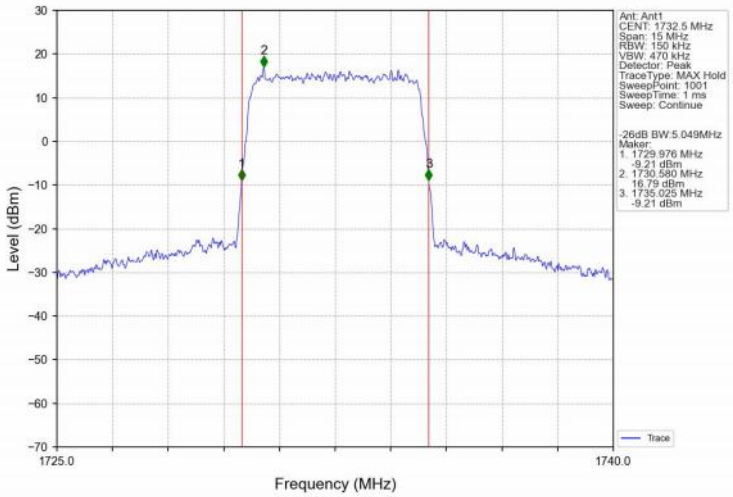
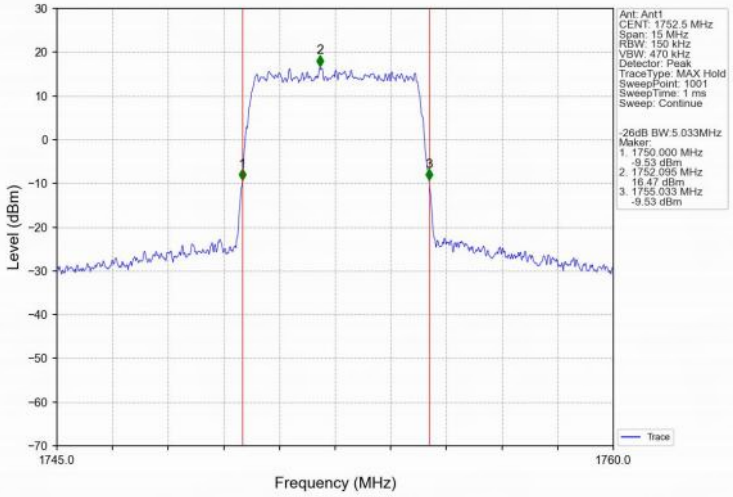


Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

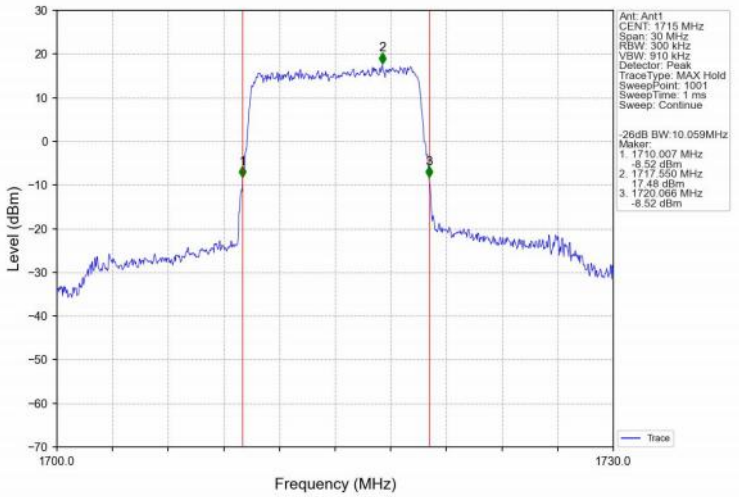


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

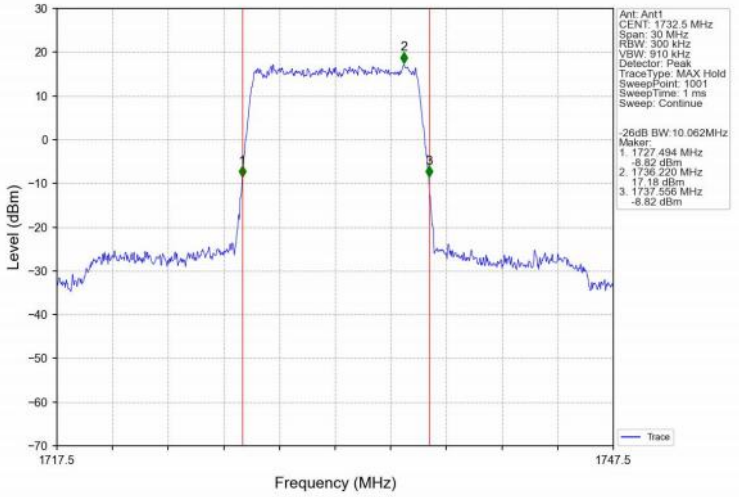


Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV


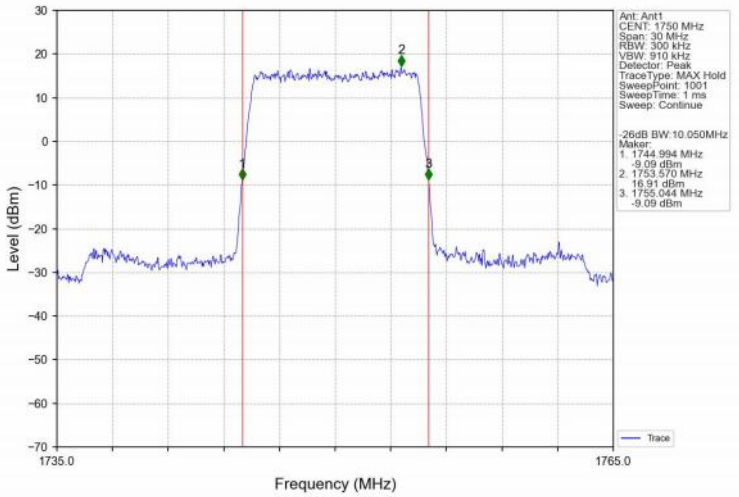
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



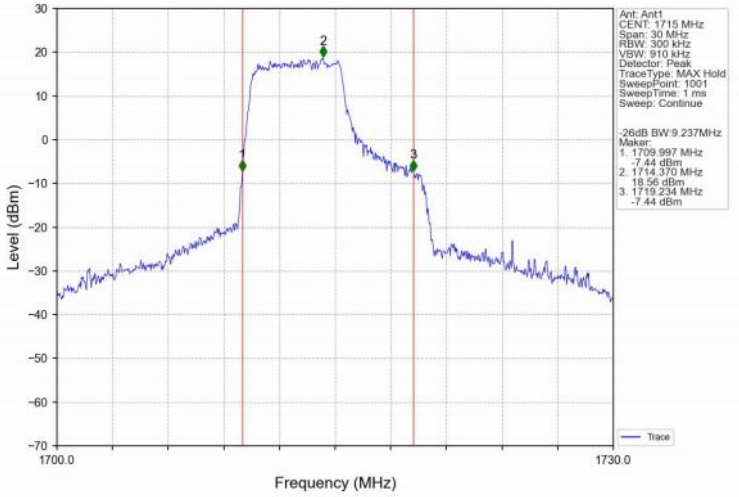
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



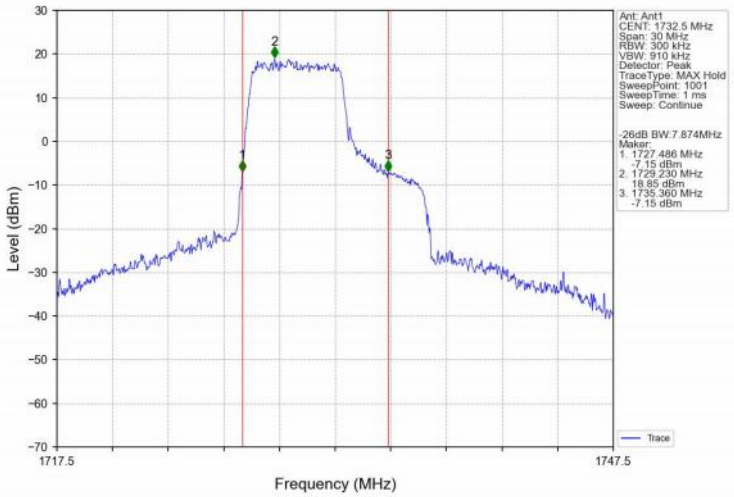
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



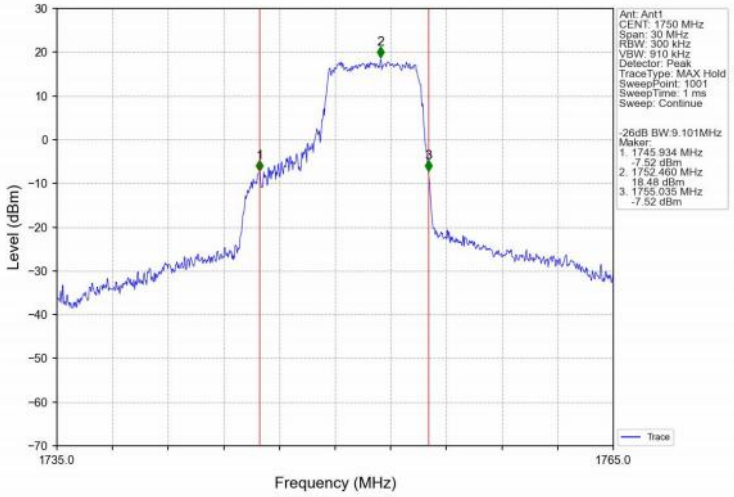
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



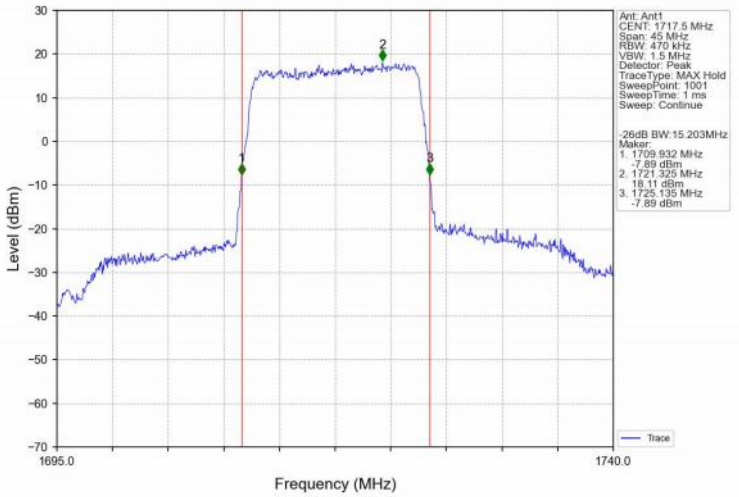
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



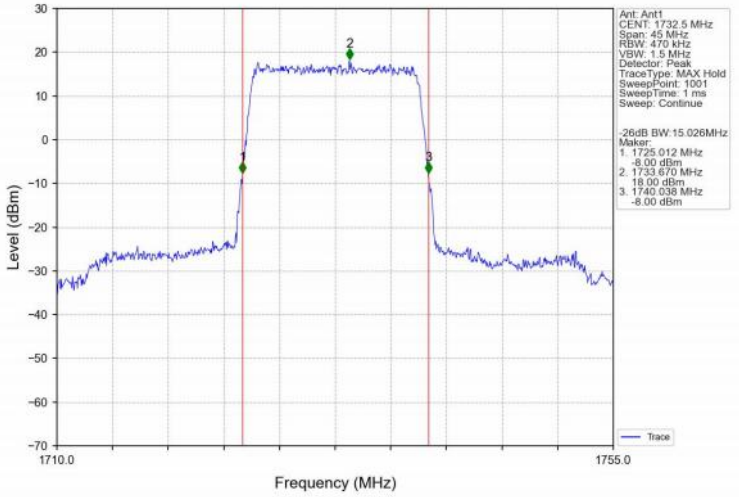
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



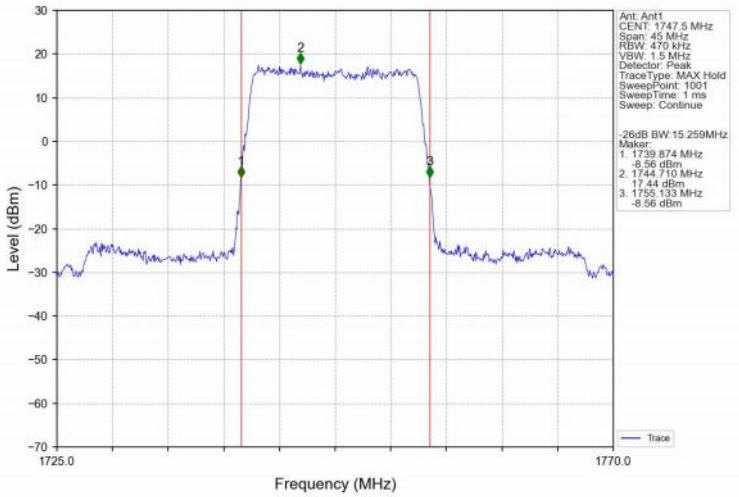
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



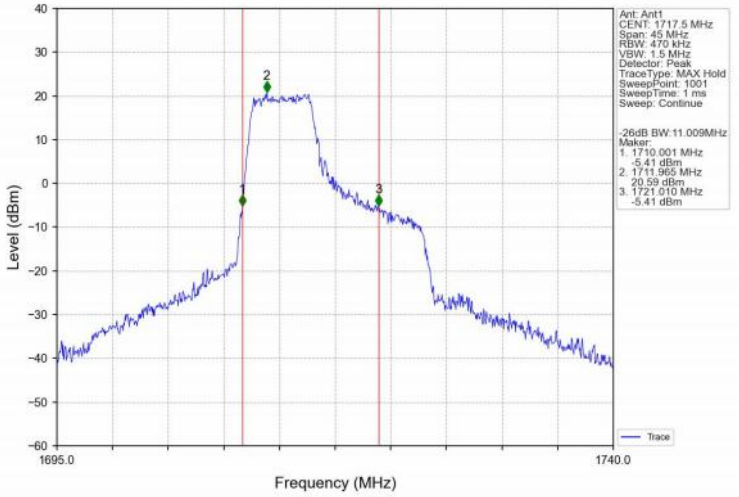
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



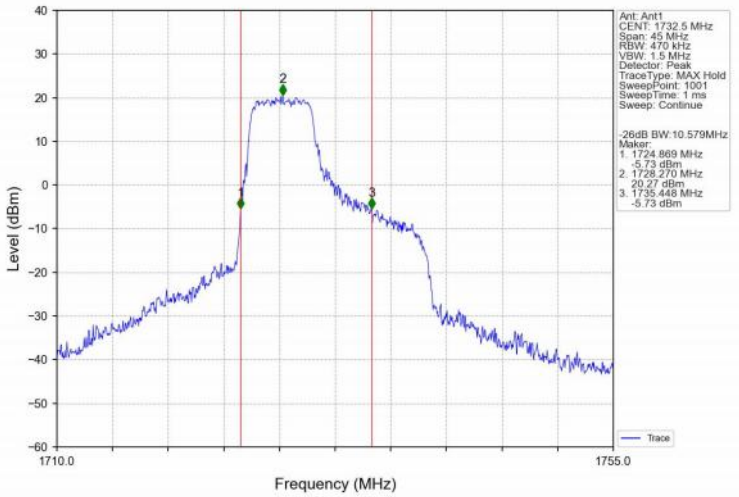
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



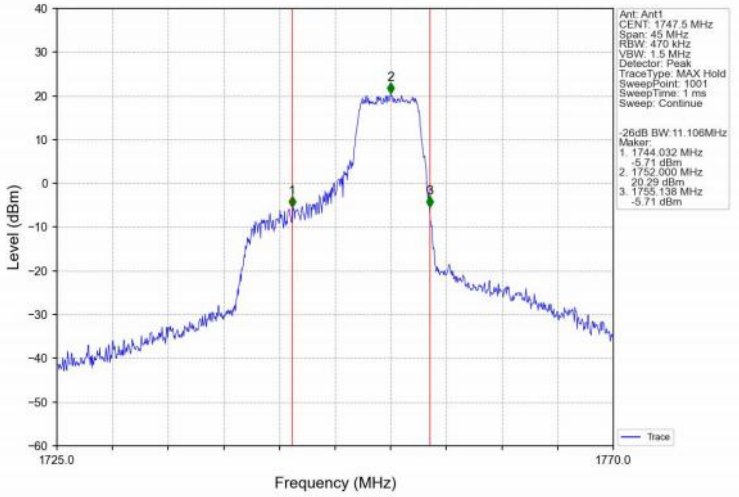
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



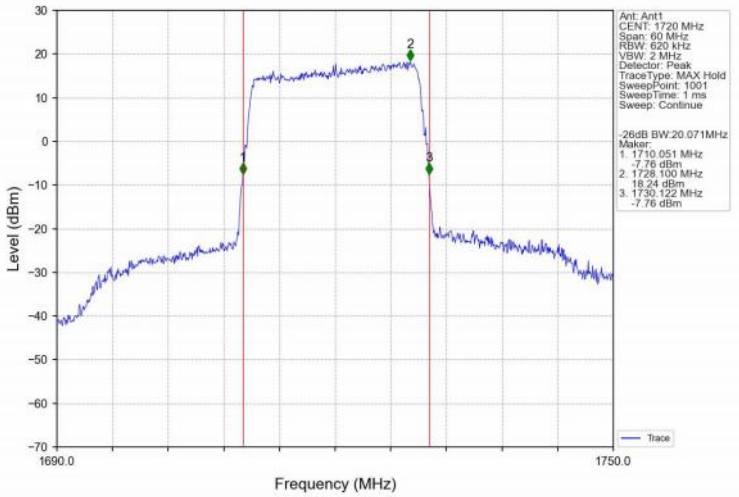
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



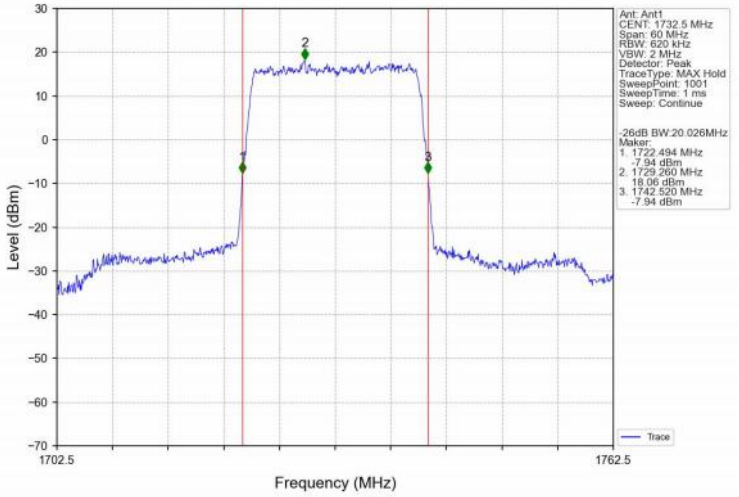
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV

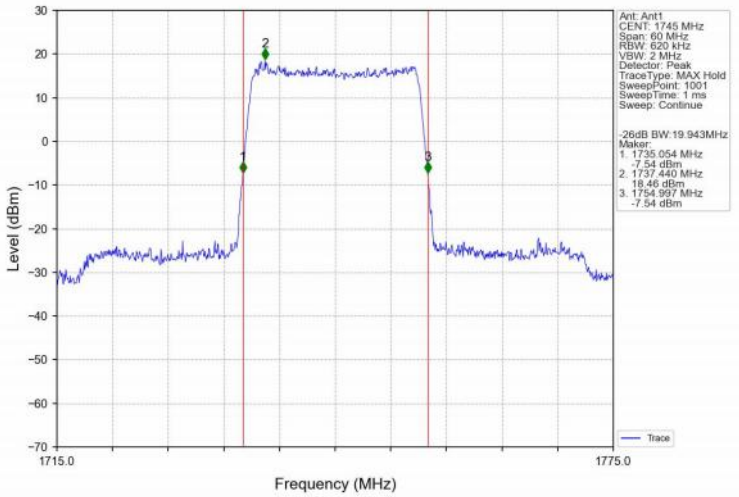
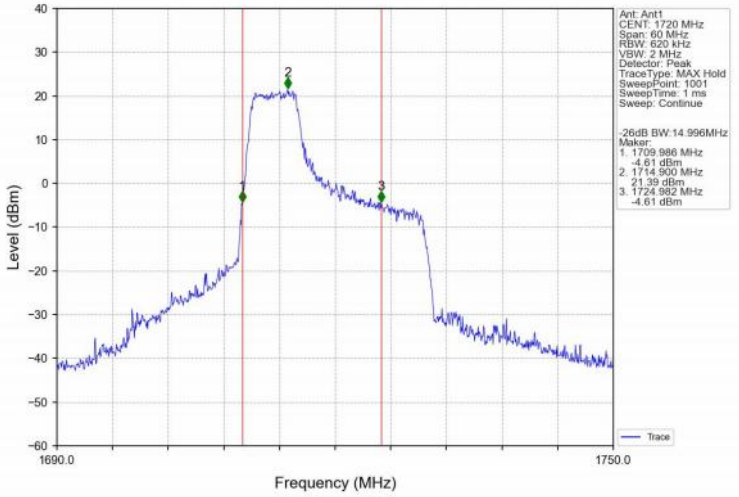


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

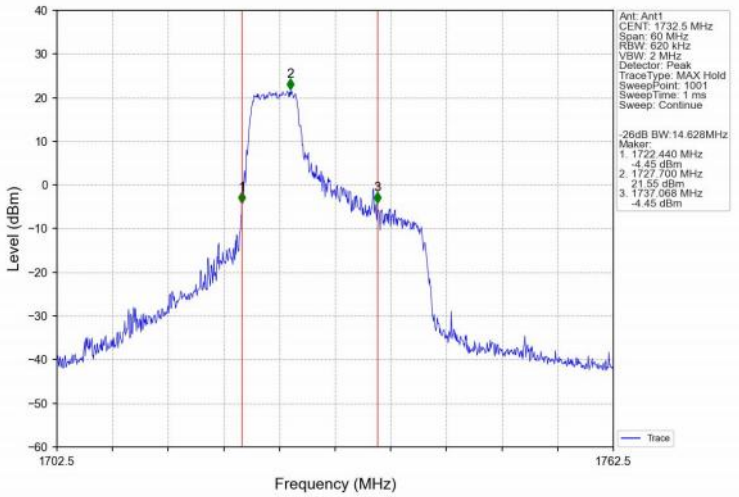


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

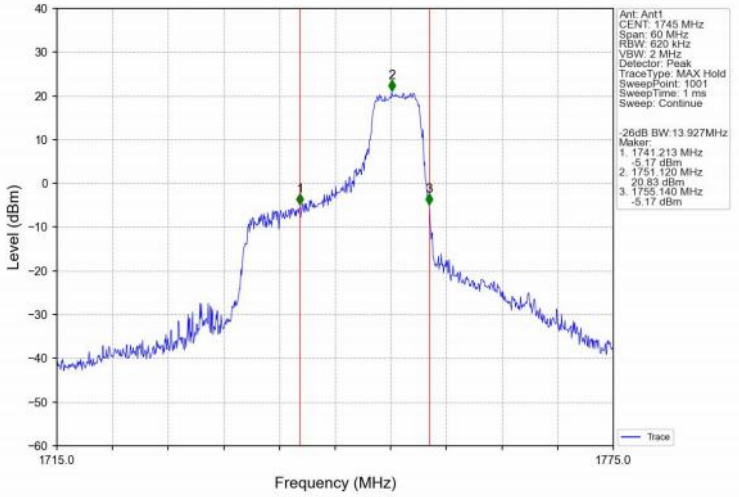


Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV


Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.92	<=13	Pass
	1732.5	6	0	5.63	<=13	Pass
	1754.3	6	0	5.83	<=13	Pass
16QAM	1710.7	6	0	6.55	<=13	Pass
	1732.5	6	0	6.35	<=13	Pass
	1754.3	6	0	6.71	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.92	<=13	Pass
	1732.5	15	0	5.62	<=13	Pass
	1753.5	15	0	5.89	<=13	Pass
16QAM	1711.5	15	0	6.67	<=13	Pass
	1732.5	15	0	6.45	<=13	Pass
	1753.5	15	0	6.70	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.87	<=13	Pass
	1732.5	25	0	5.72	<=13	Pass
	1752.5	25	0	5.86	<=13	Pass
16QAM	1712.5	25	0	6.63	<=13	Pass
	1732.5	25	0	6.42	<=13	Pass
	1752.5	25	0	6.53	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.83	<=13	Pass
	1732.5	50	0	5.74	<=13	Pass
	1750	50	0	5.88	<=13	Pass
16QAM	1715	27	0	6.64	<=13	Pass
	1732.5	27	0	6.45	<=13	Pass

	1750	27	23	6.57	<=13	Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.84	<=13	Pass
	1732.5	75	0	4.83	<=13	Pass
	1747.5	75	0	4.83	<=13	Pass
16QAM	1717.5	27	0	6.42	<=13	Pass
	1732.5	27	0	6.36	<=13	Pass
	1747.5	27	48	6.38	<=13	Pass

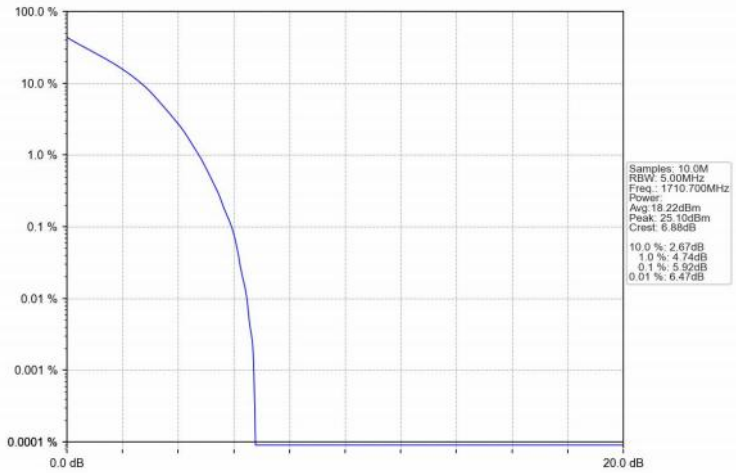
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.66	<=13	Pass
	1732.5	100	0	5.65	<=13	Pass
	1745	100	0	5.61	<=13	Pass
16QAM	1720	27	0	7.79	<=13	Pass
	1732.5	27	0	7.83	<=13	Pass
	1745	27	73	7.89	<=13	Pass

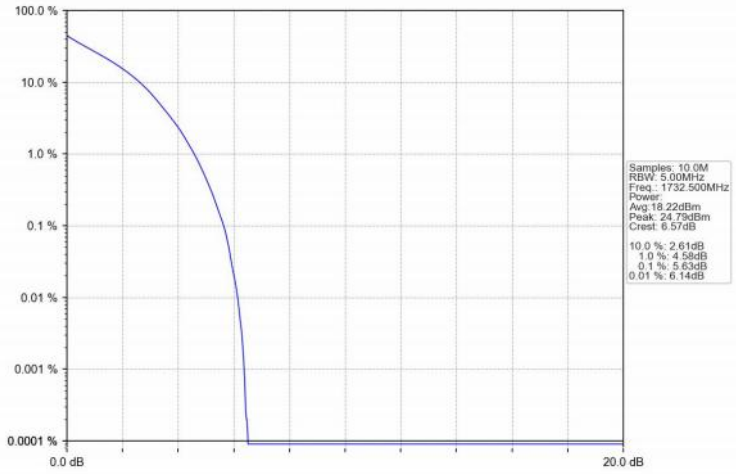
5.2 Test Graph

5.2.1 B4_1.4MHz

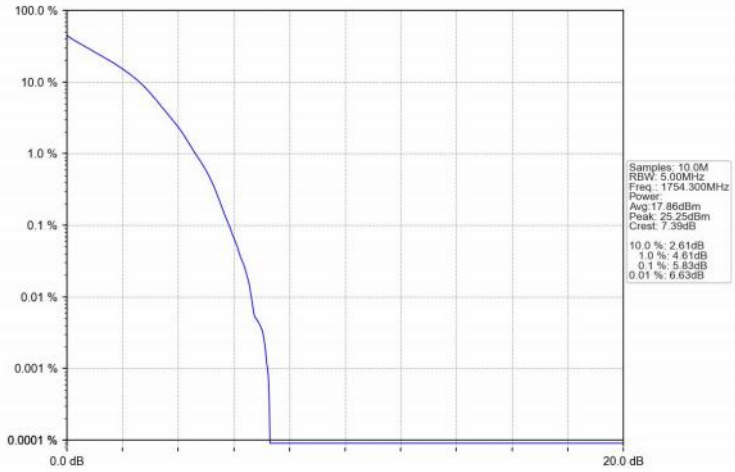
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



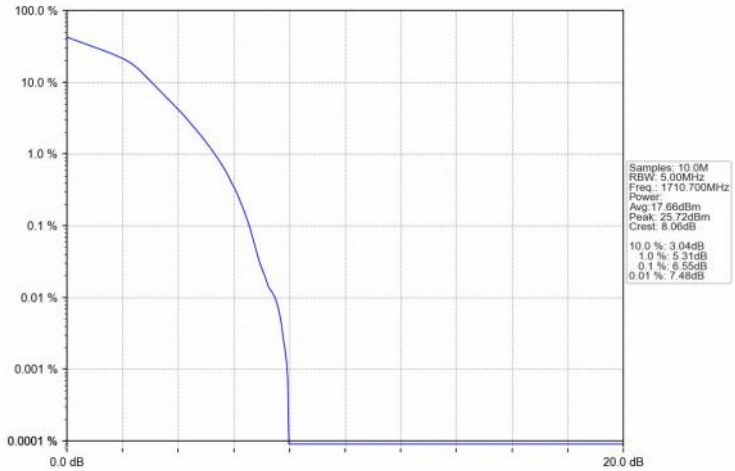
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



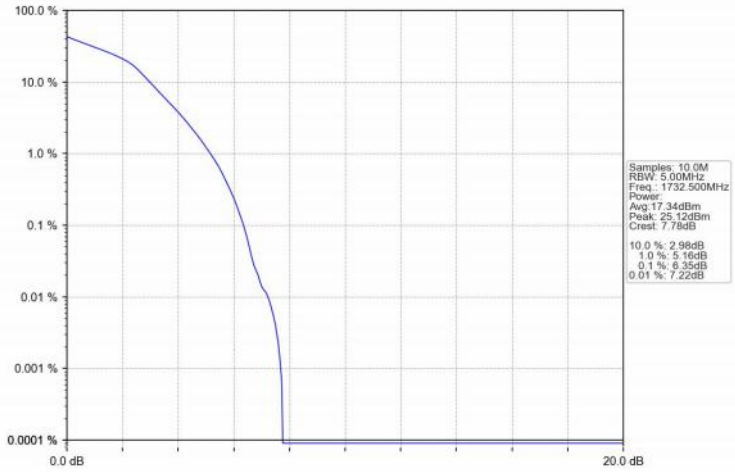
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



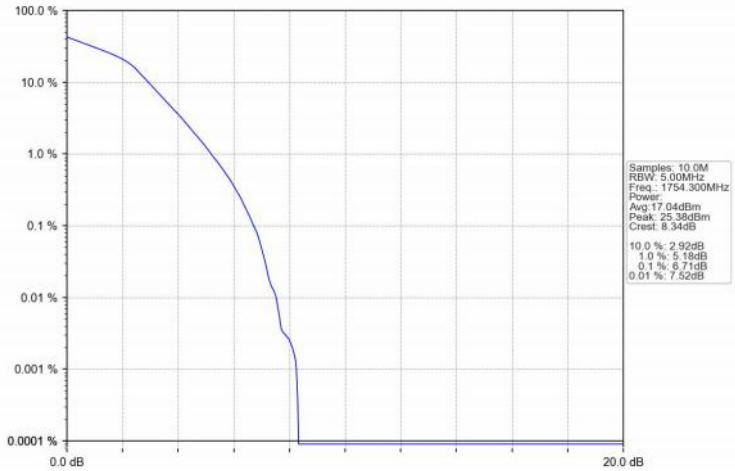
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



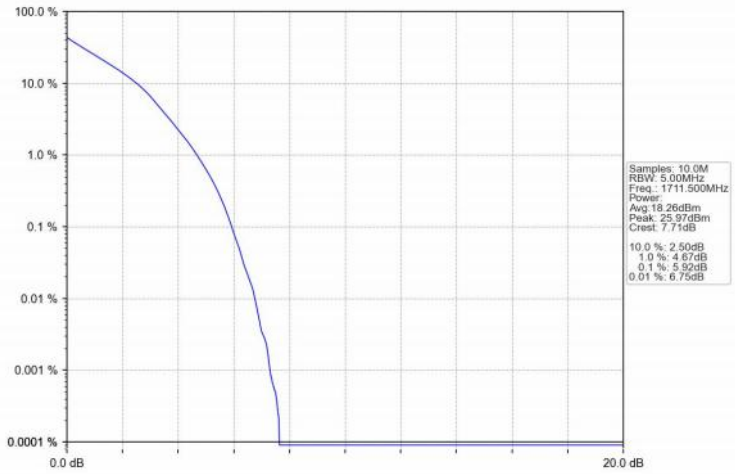
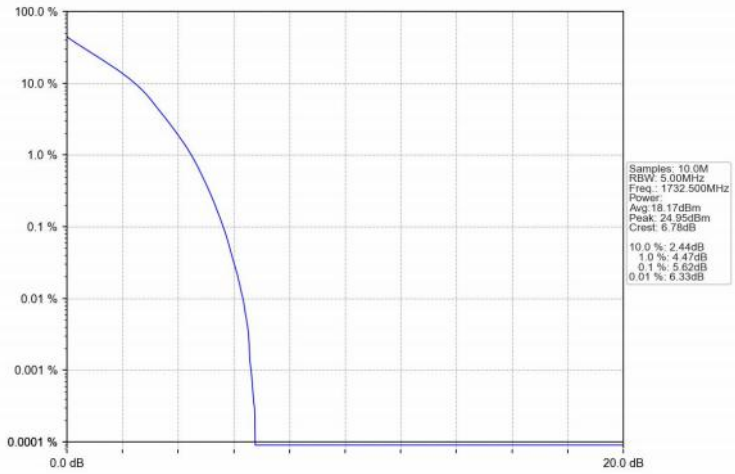
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



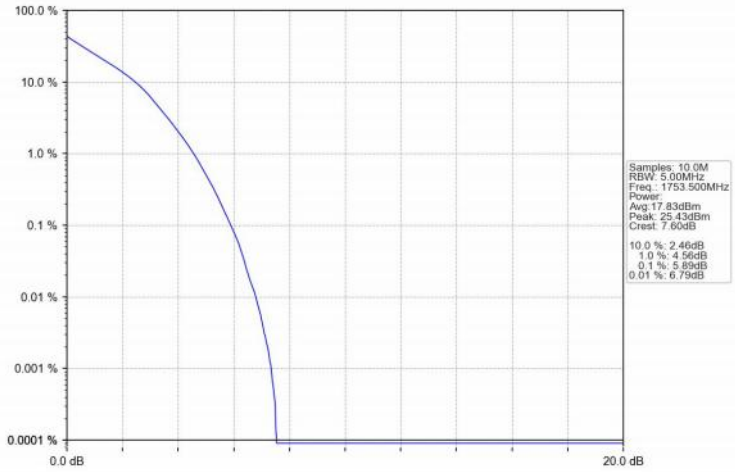
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



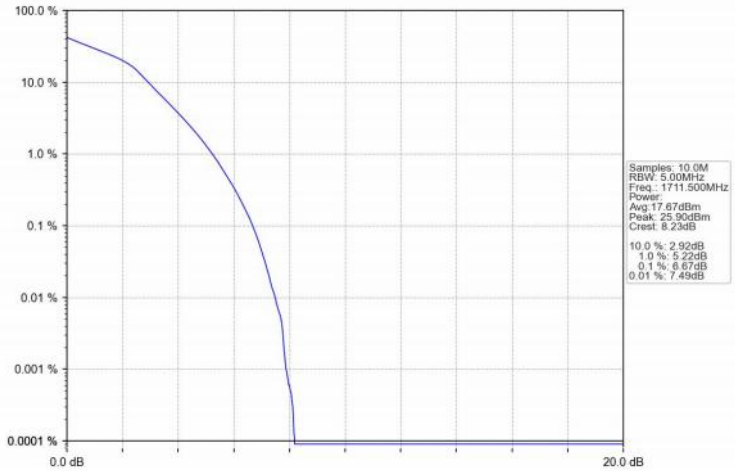
5.2.2 B4_3MHz

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV


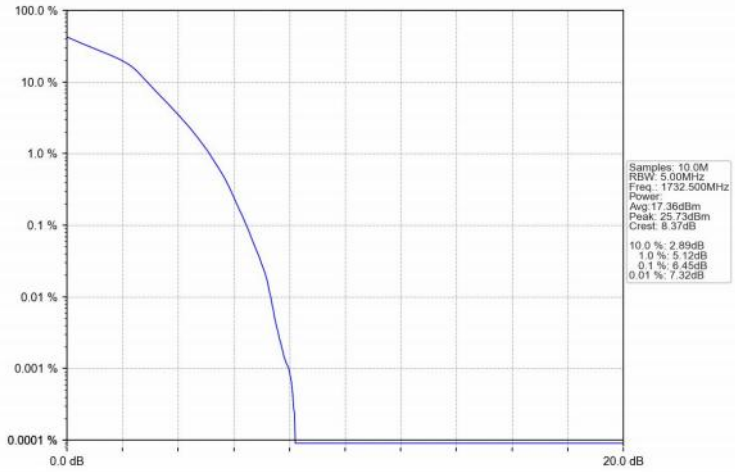
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



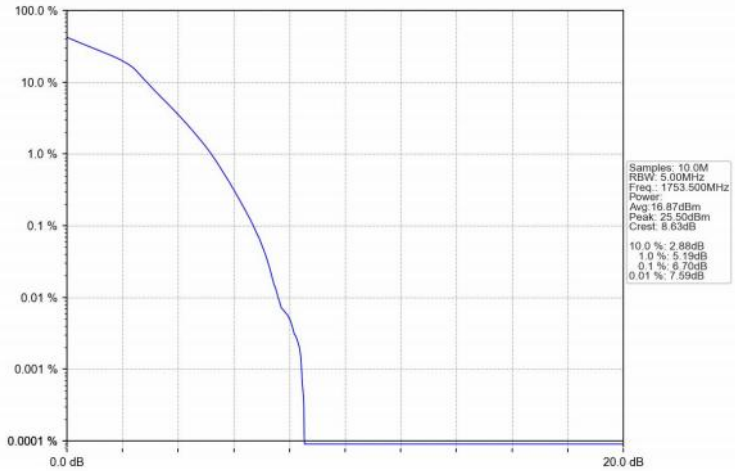
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



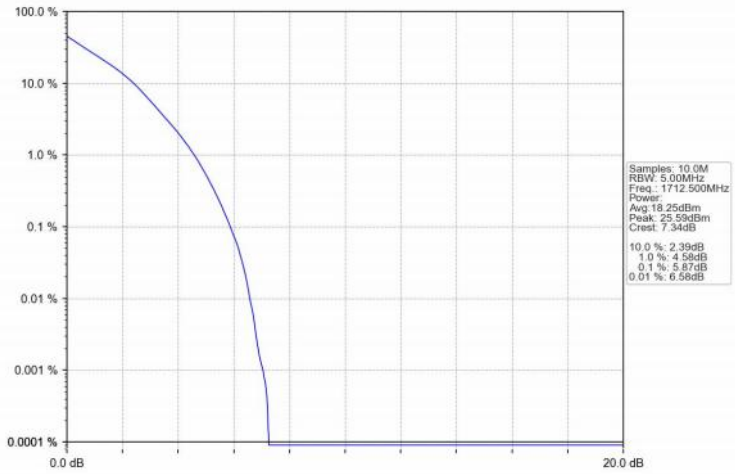
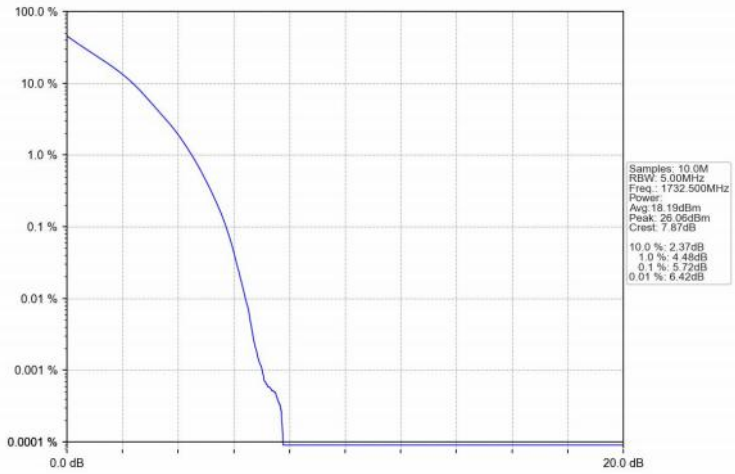
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



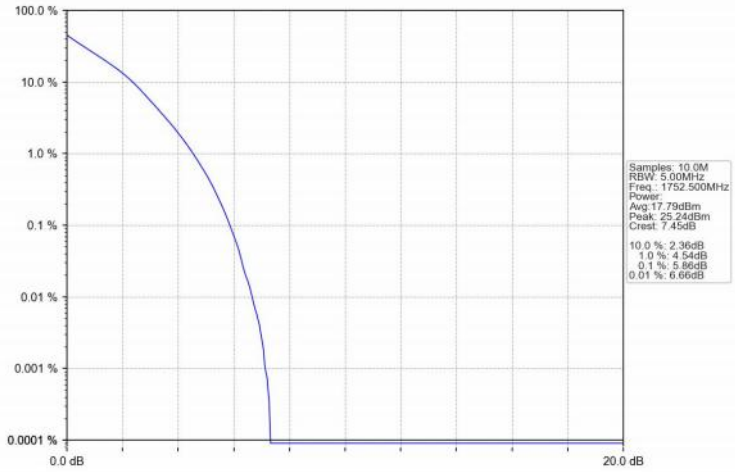
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



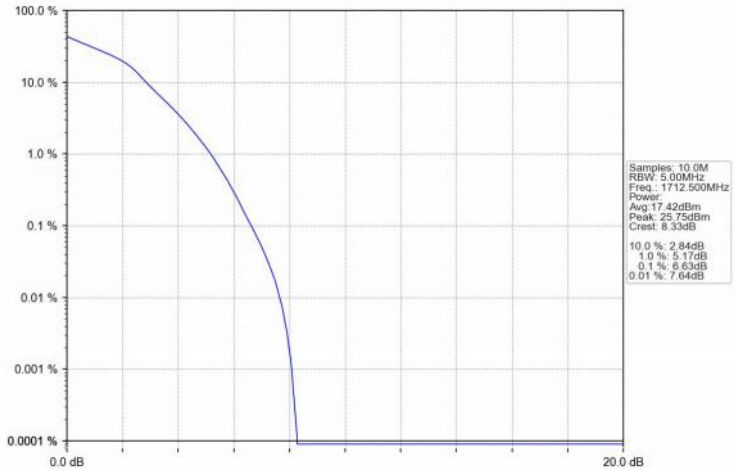
5.2.3 B4_5MHz

Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV


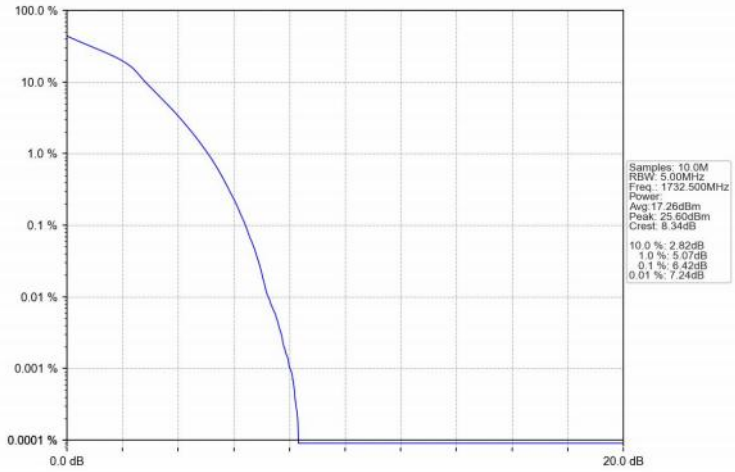
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



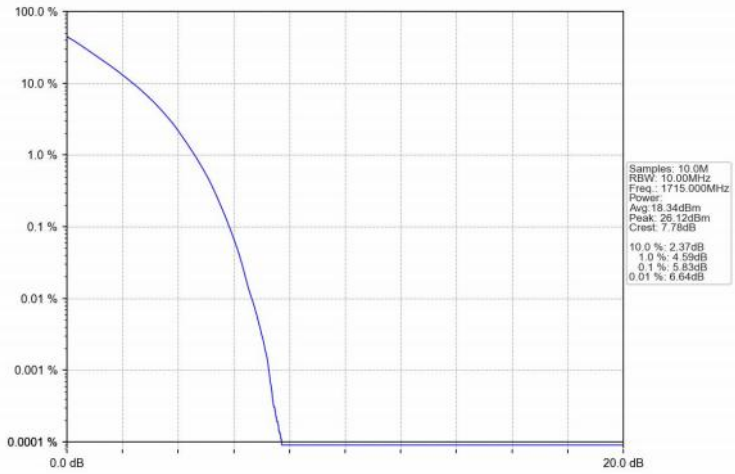
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



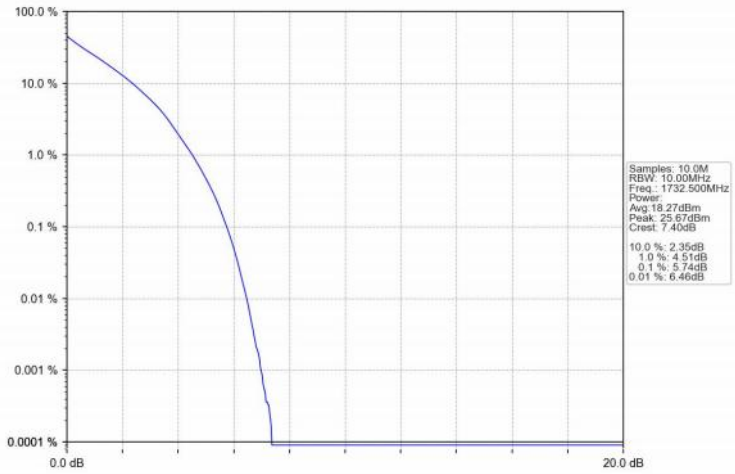
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

5.2.4 B4_10MHz

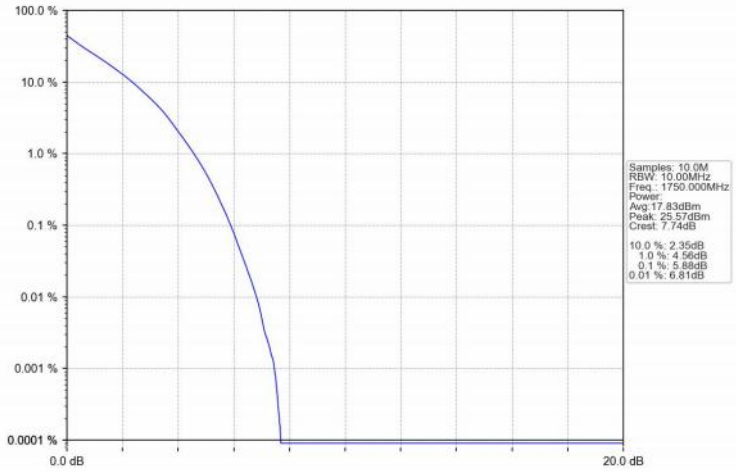
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



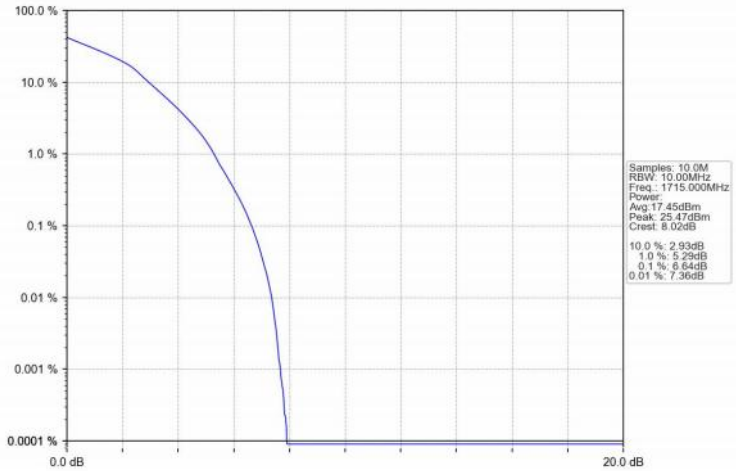
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

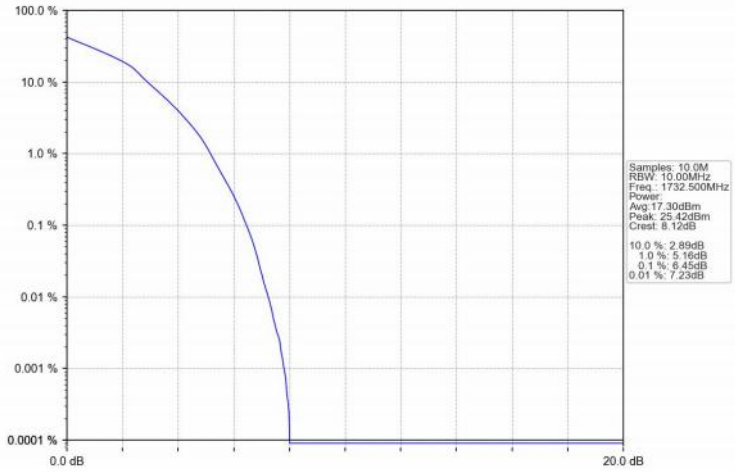
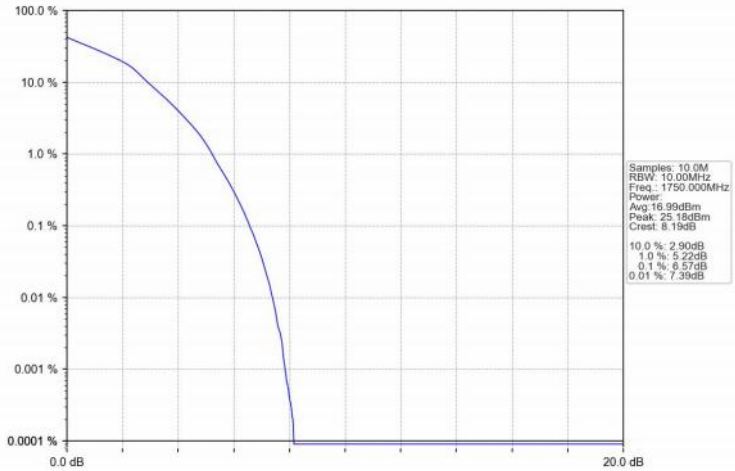


Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



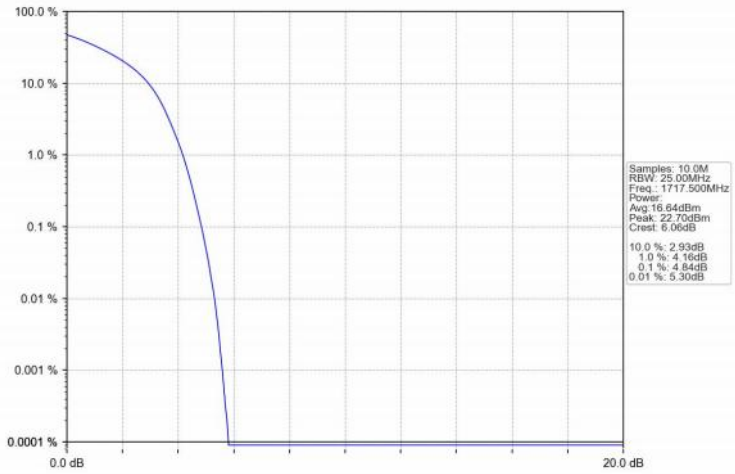
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



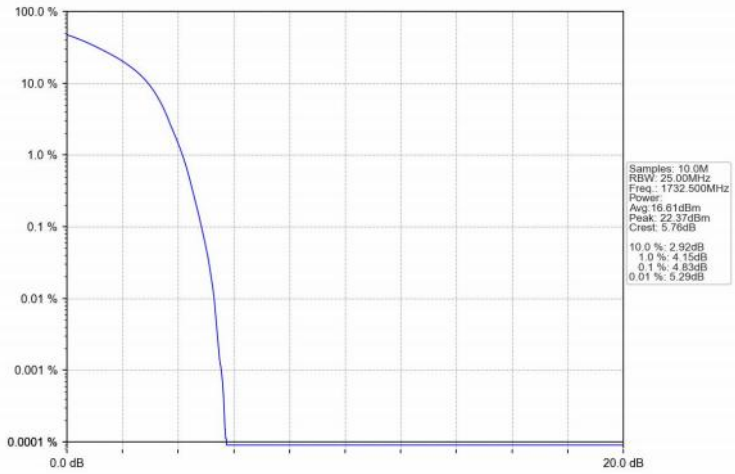
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV


5.2.5 B4_15MHz

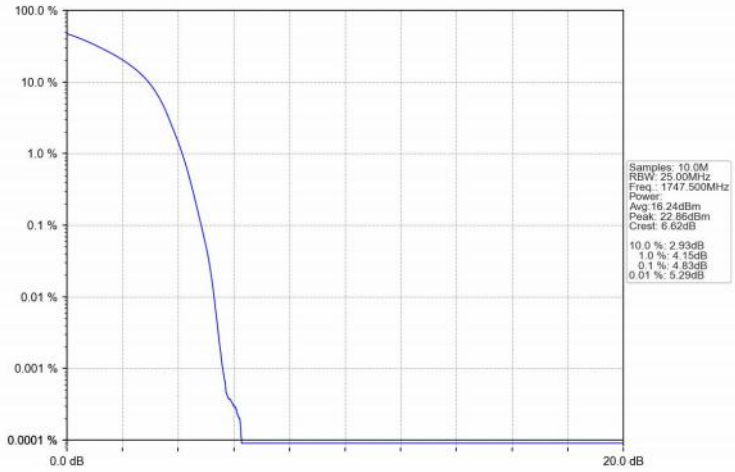
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



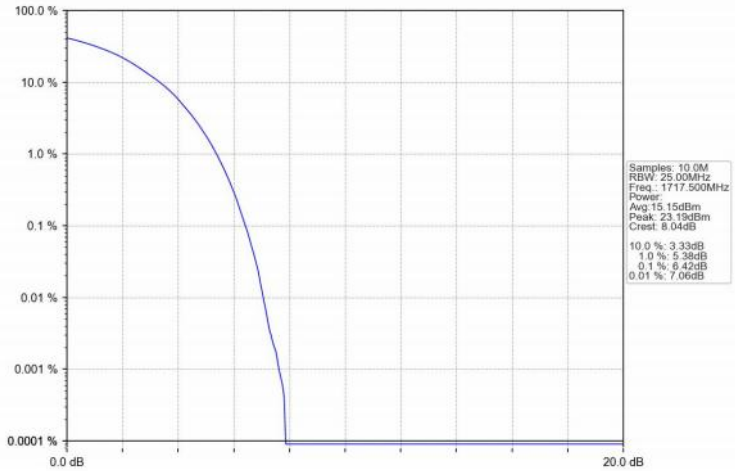
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



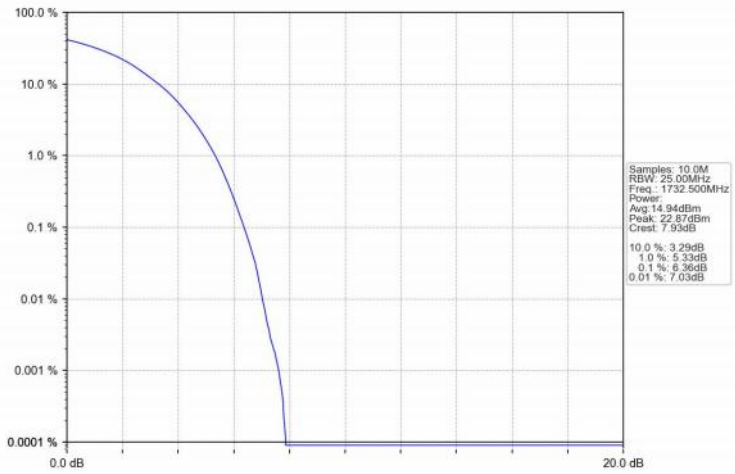
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



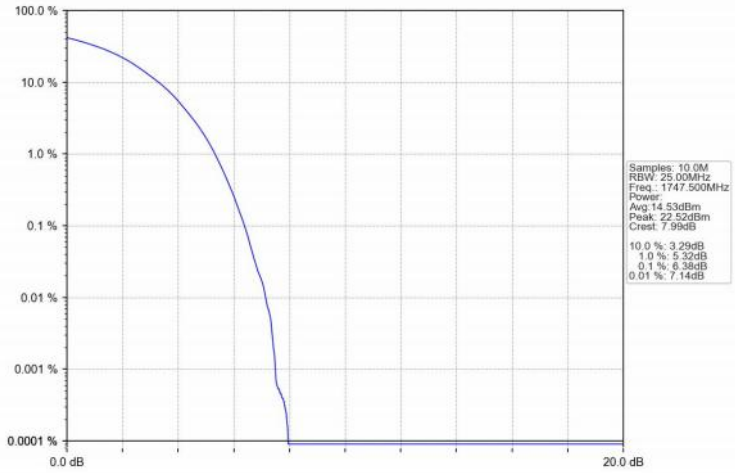
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

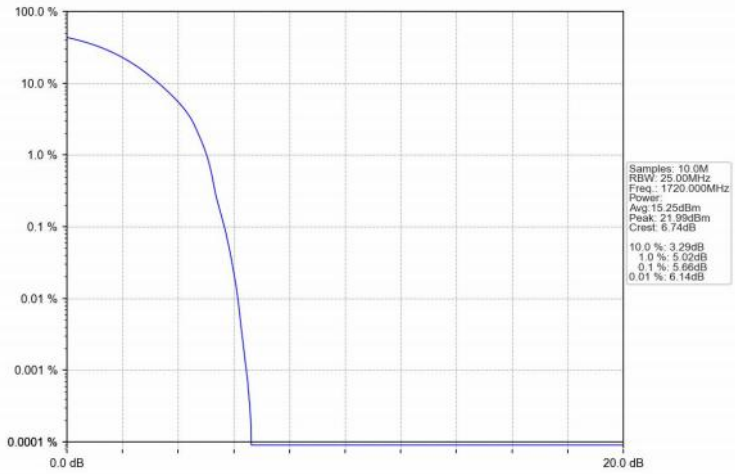


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV

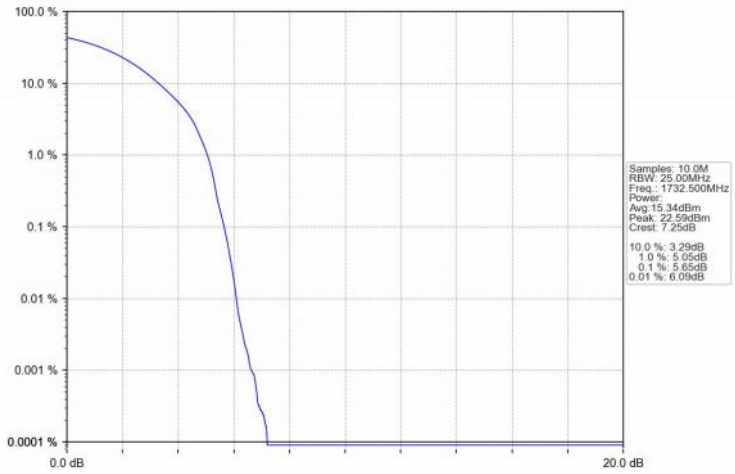


5.2.6 B4_20MHz

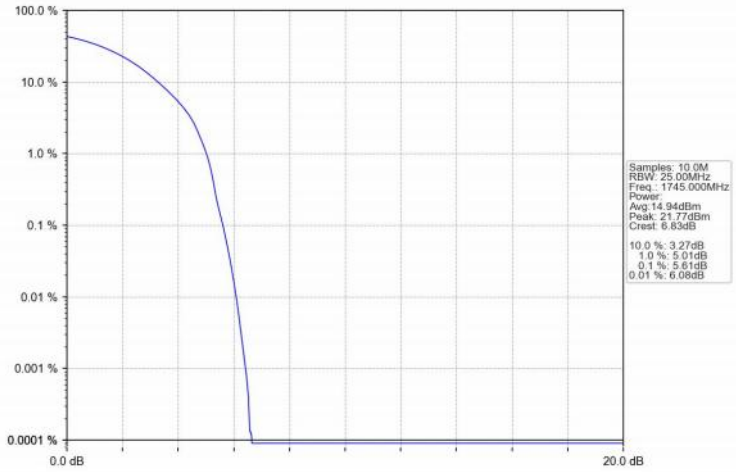
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



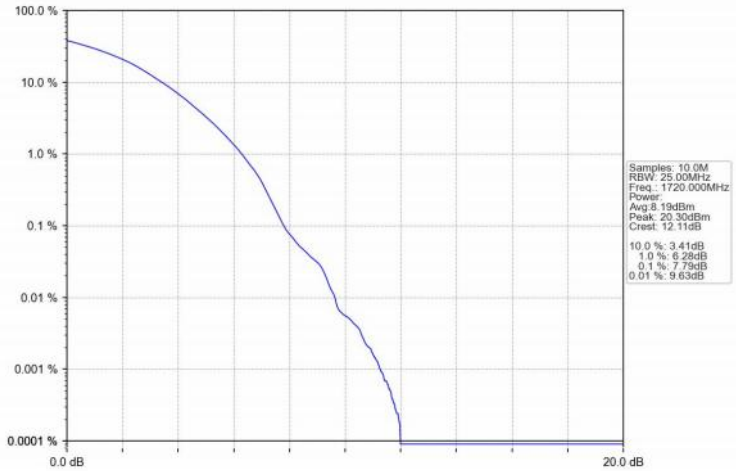
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



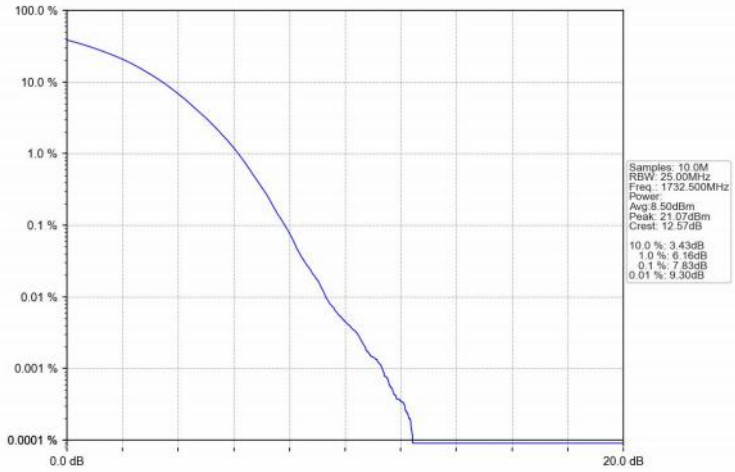
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



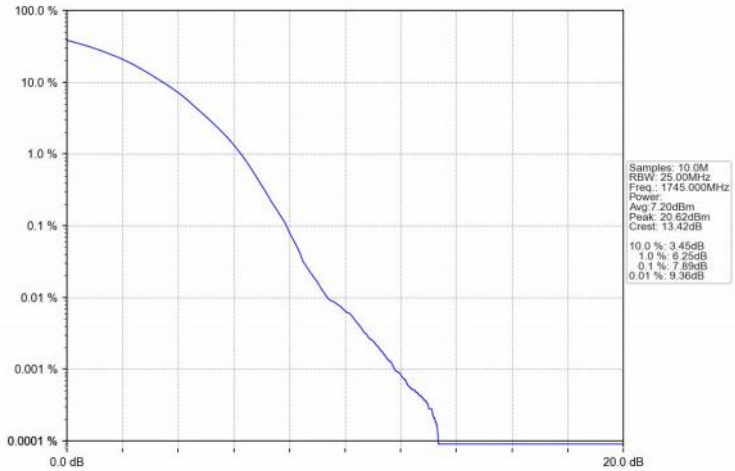
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1754.3	1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1753.5	1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1752.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass

		25	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1752.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

6.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	1715	1	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1750	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass

6.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	1717.5	1	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1747.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass

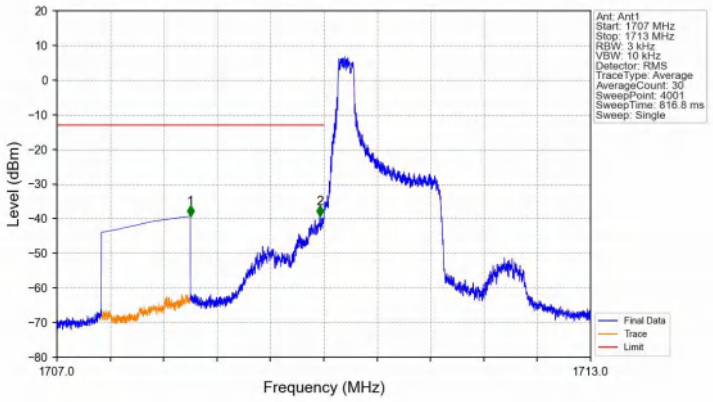
6.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	1720	1	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
	1745	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass

6.2 Test Graph

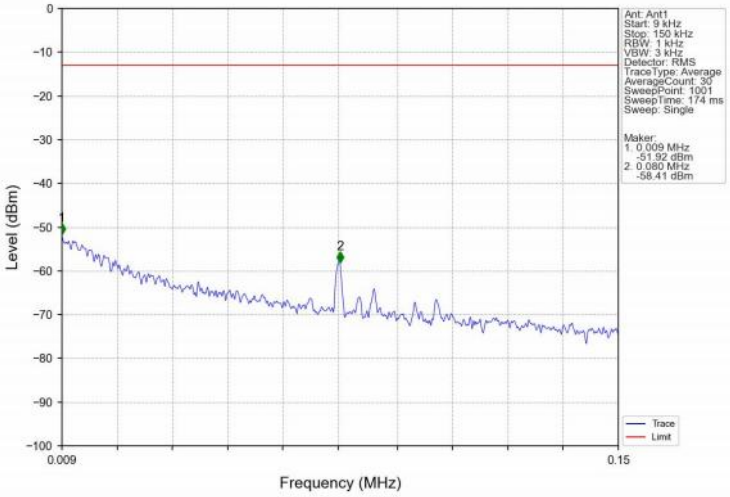
6.2.1 B4_1.4MHz

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

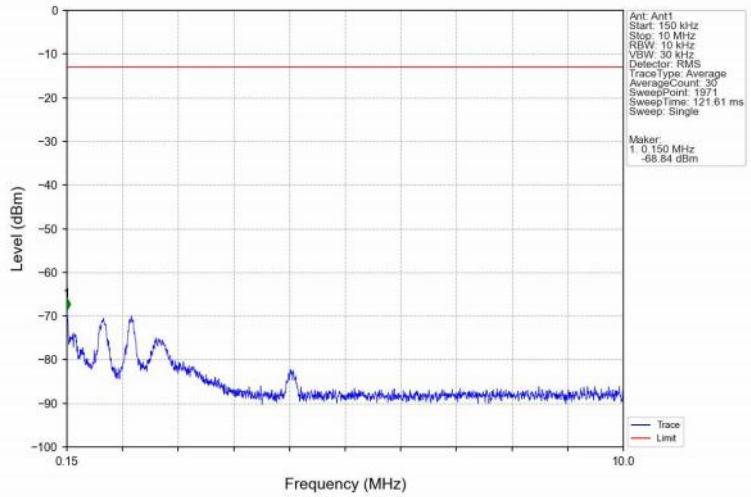


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-39.28	-13	Pass
1709	1710	0.003	/	2	1709.958	-39.30	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

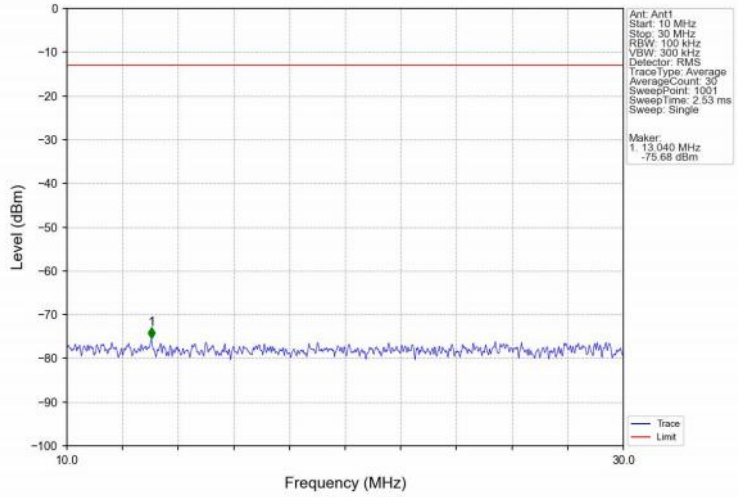
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

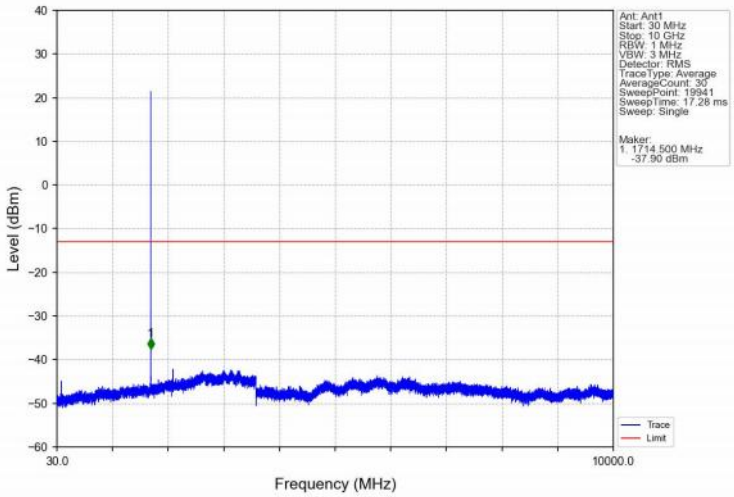
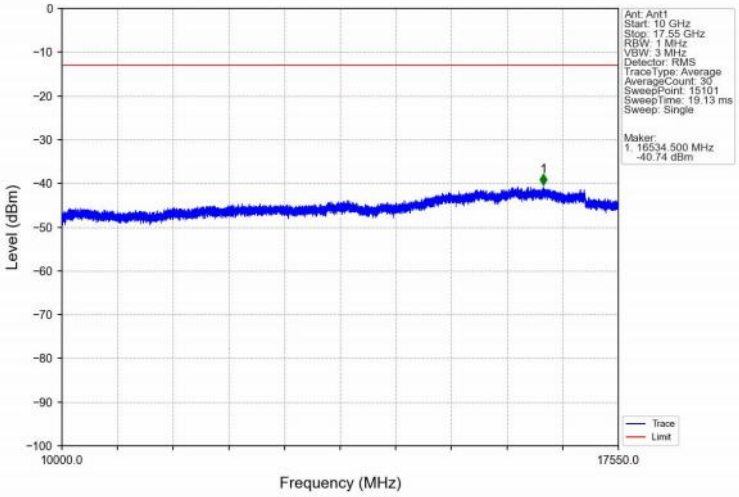


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

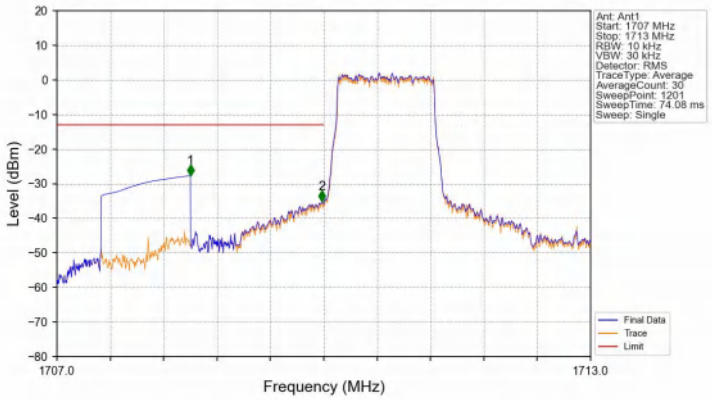


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



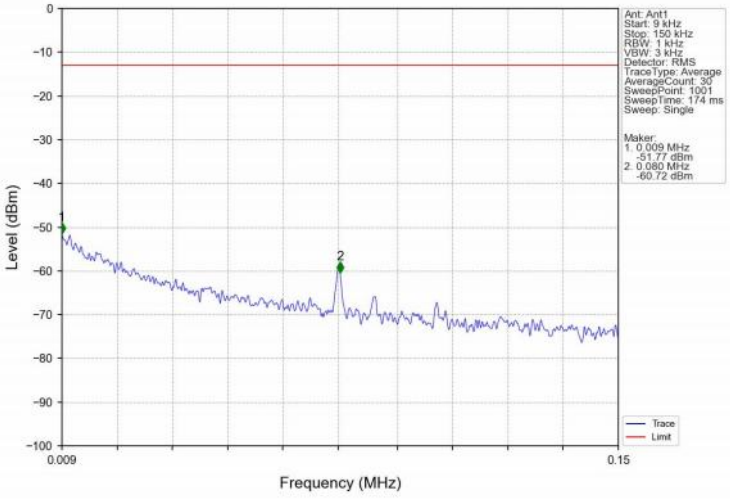
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV

Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV


Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV

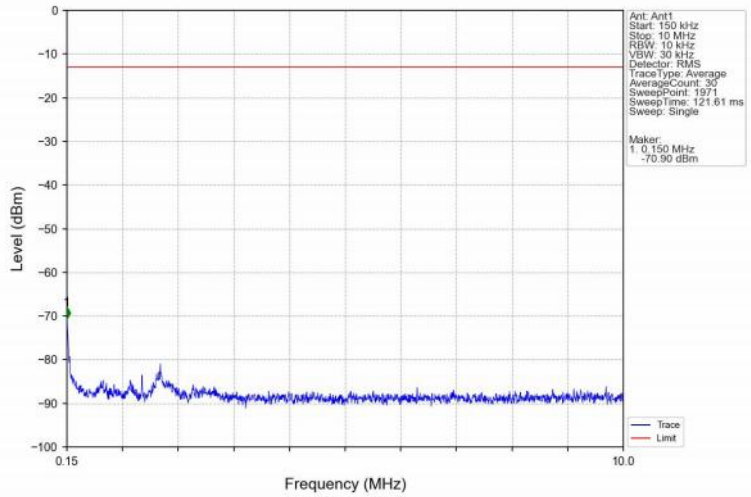


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-27.69	-13	Pass
1709	1710	0.013	CHP	2	1709.980	-35.10	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

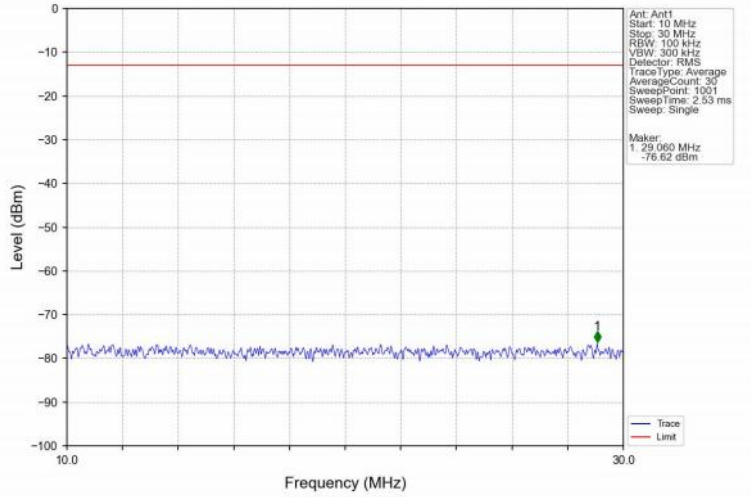
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



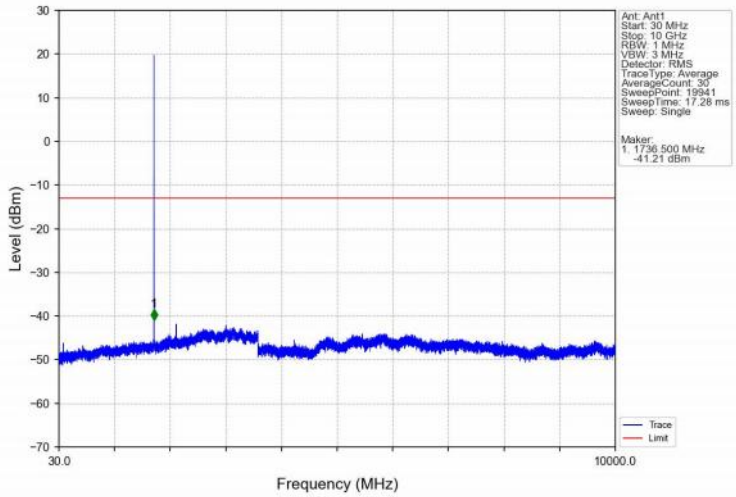
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



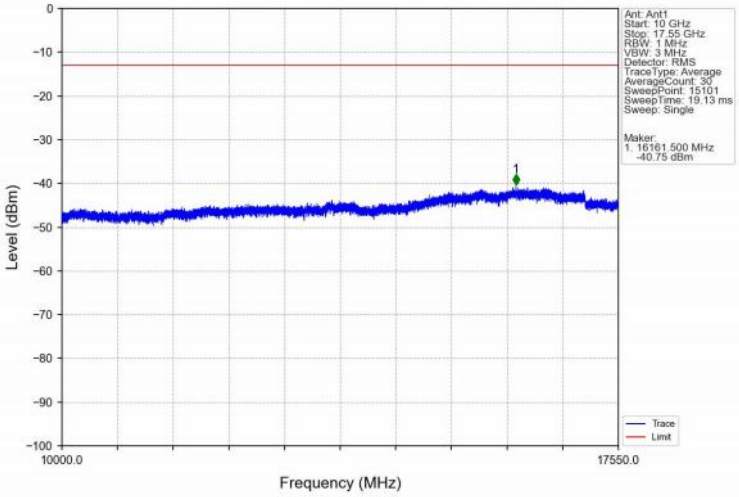
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



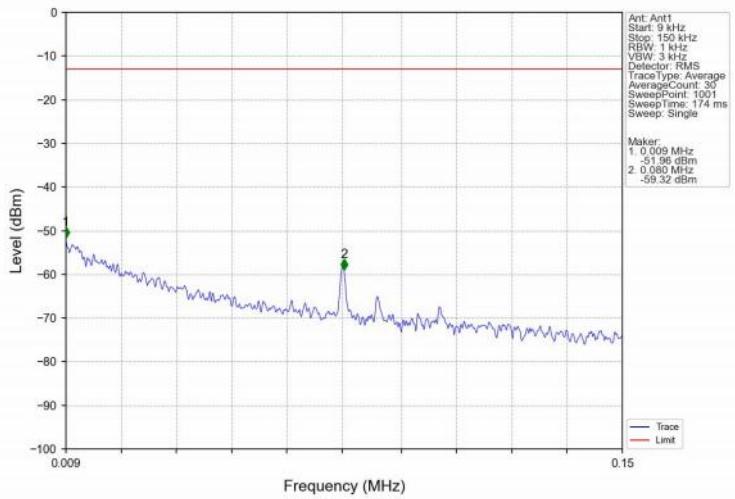
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



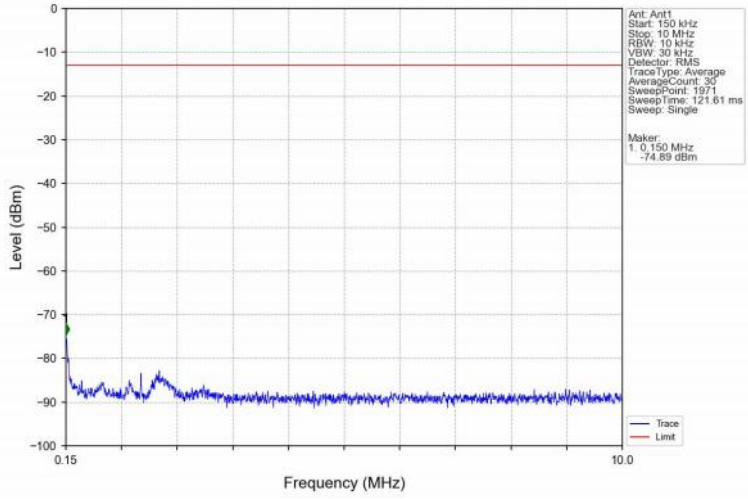
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



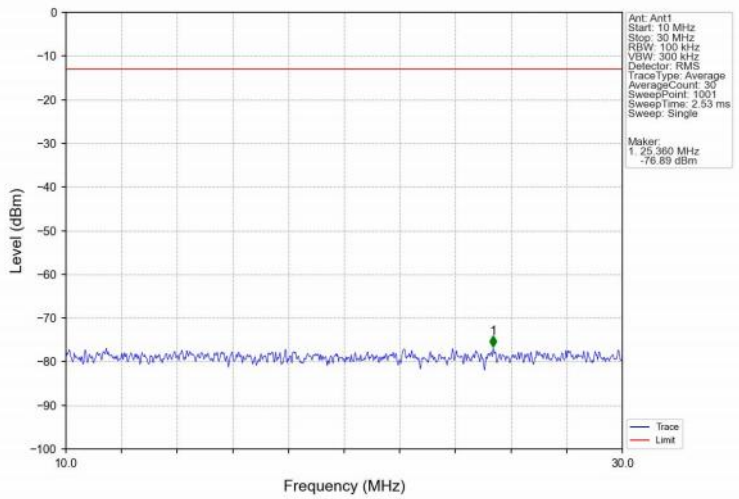
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



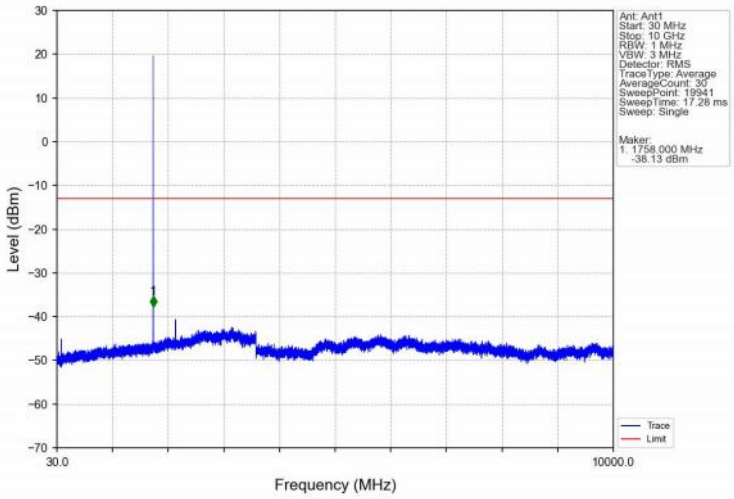
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



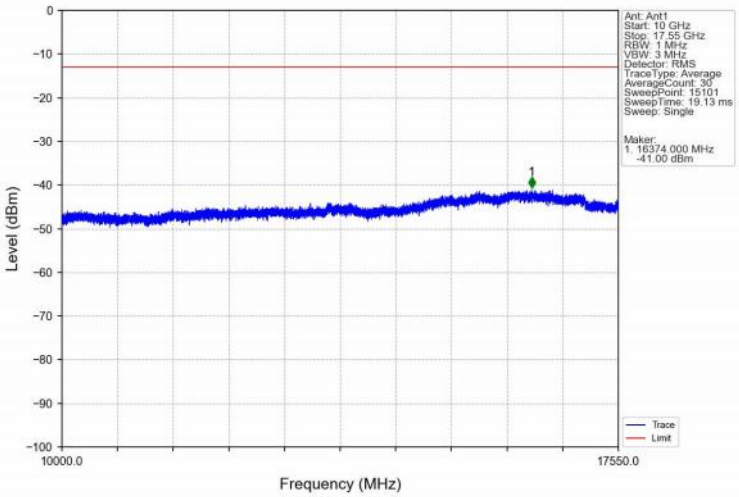
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



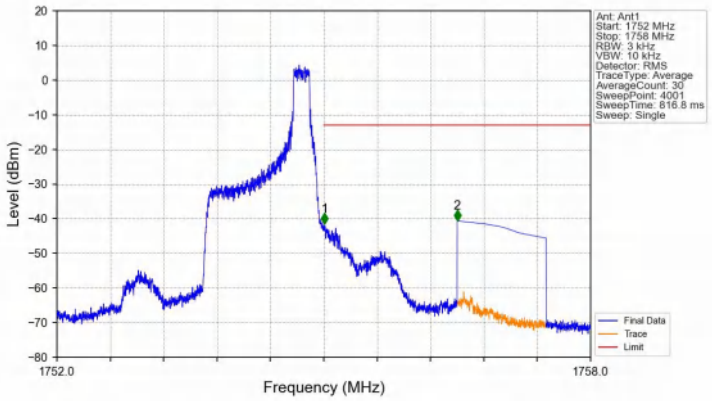
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

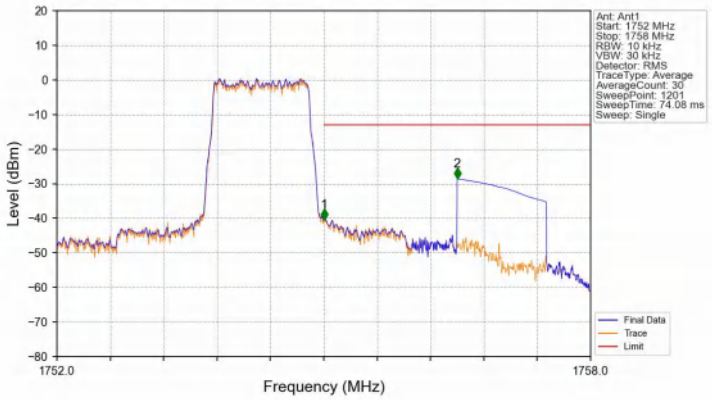


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



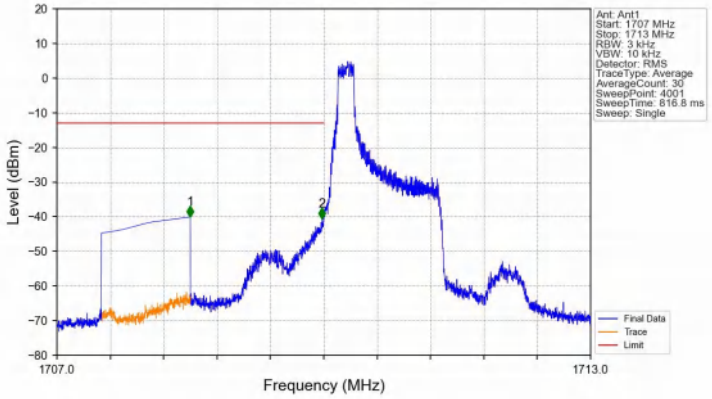
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.011	-41.48	-13	Pass
1756	1758	1	CHP	2	1756.500	-40.67	-13	Pass

Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



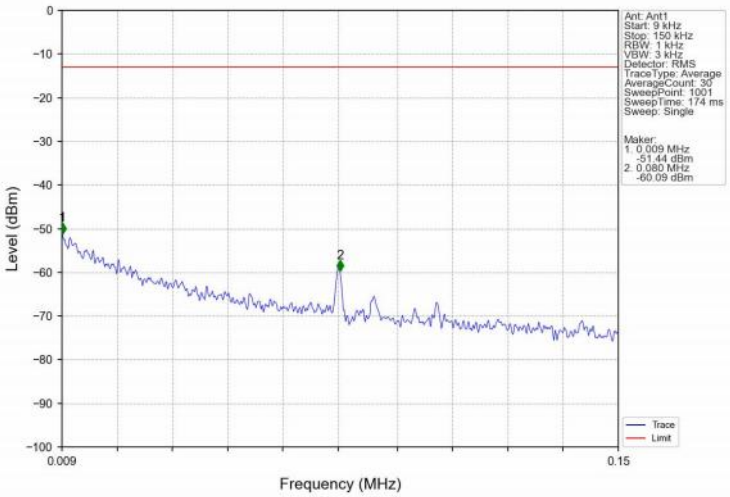
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-40.36	-13	Pass
1756	1758	1	CHP	2	1756.500	-28.62	-13	Pass

Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

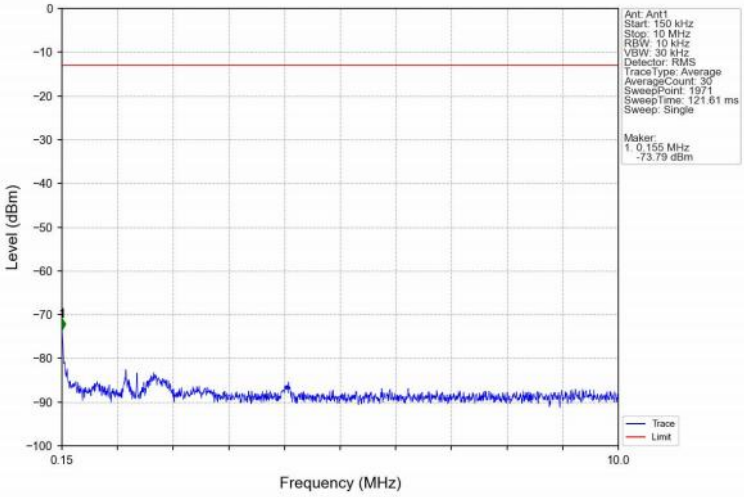


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.498	-40.08	-13	Pass
1709	1710	0.003	/	2	1709.982	-40.61	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

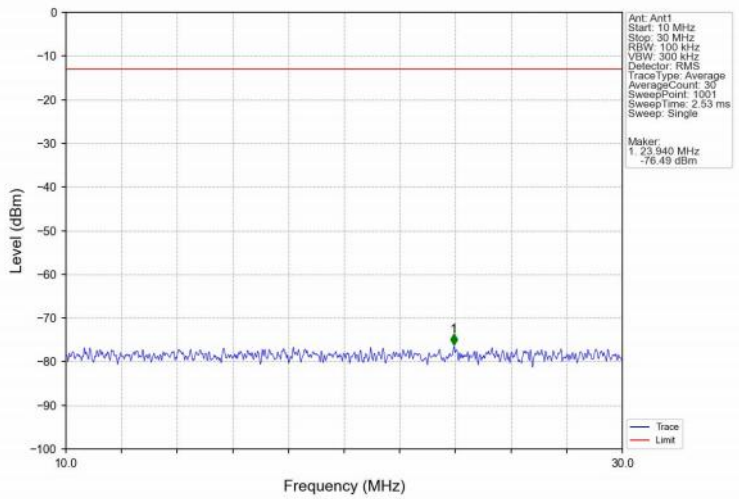
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



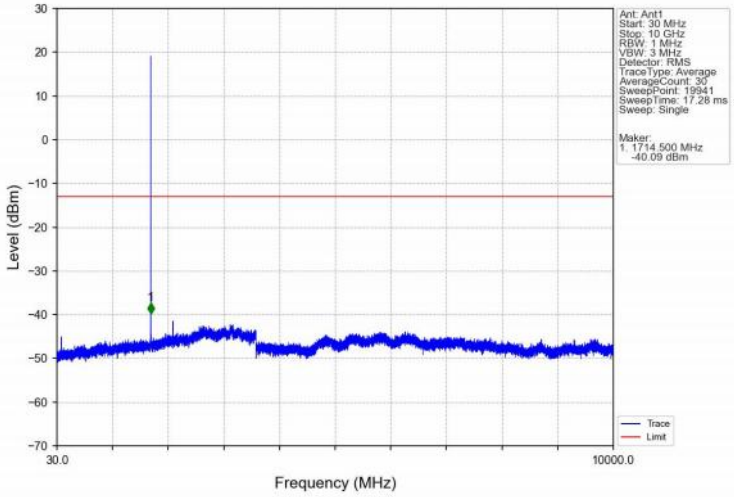
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



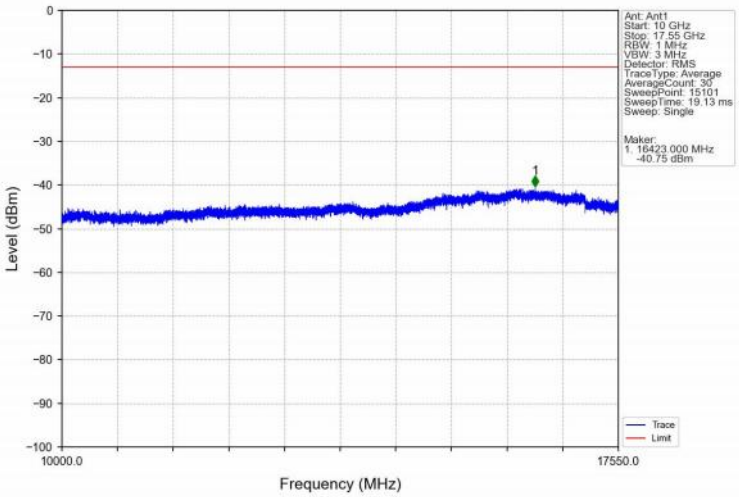
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



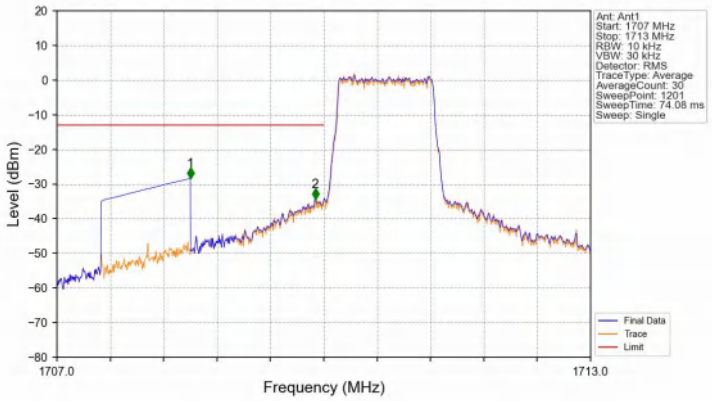
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



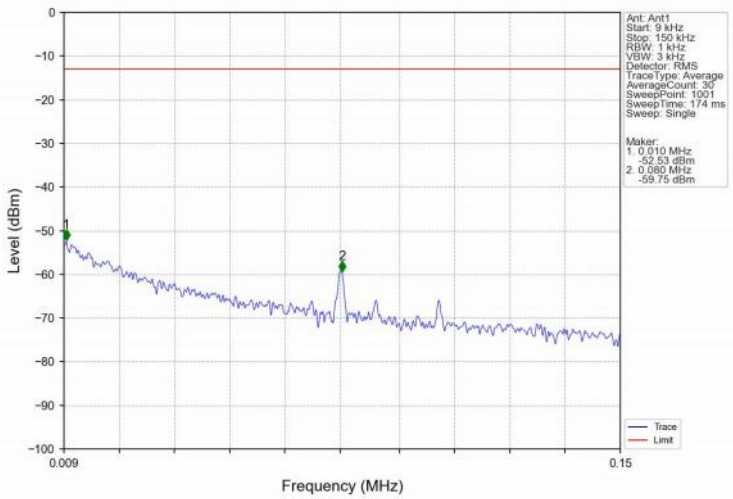
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-28.42	-13	Pass
1709	1710	0.013	CHP	2	1709.905	-34.38	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV

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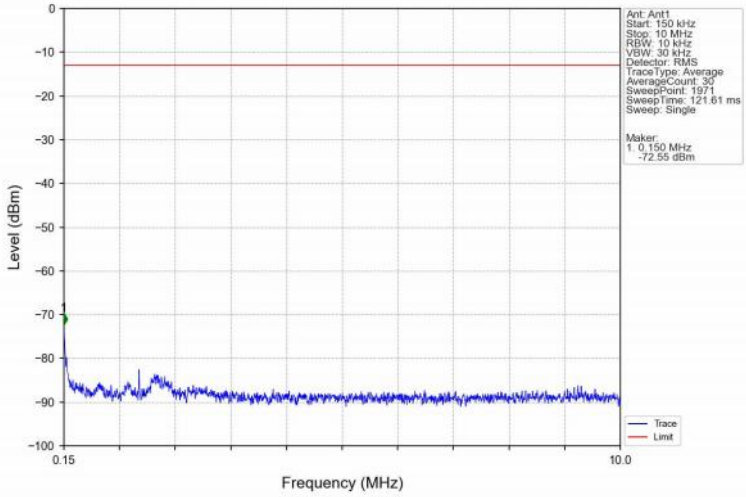

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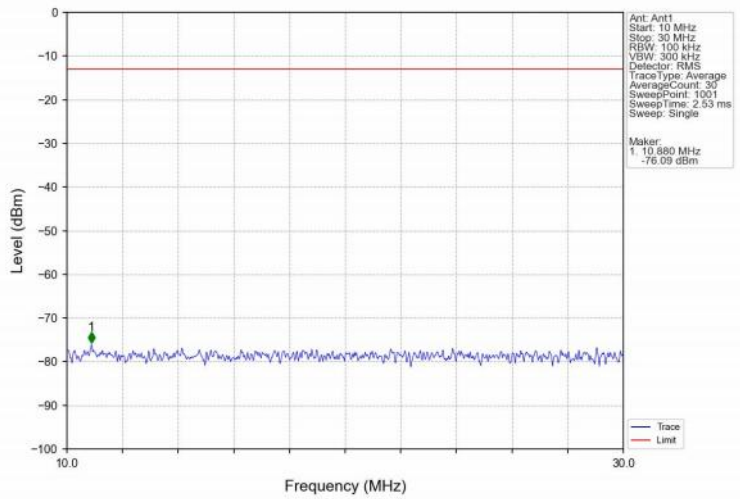

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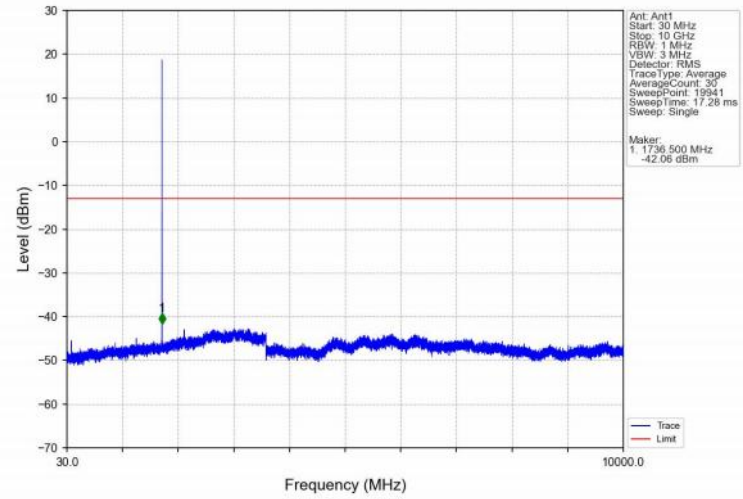

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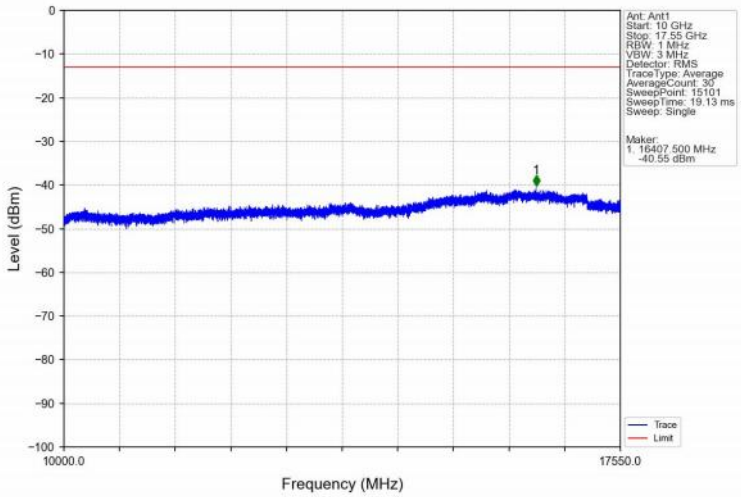
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