

1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

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	22.98	0.41	23.39	<=30	Pass
			2	23.04	0.41	23.45	<=30	Pass
			5	23.08	0.41	23.49	<=30	Pass
		3	0	23.04	0.41	23.45	<=30	Pass
			2	23.03	0.41	23.44	<=30	Pass
			3	22.97	0.41	23.38	<=30	Pass
		6	0	22.05	0.41	22.46	<=30	Pass
	1732.5	1	0	23.18	0.41	23.59	<=30	Pass
			2	23.25	0.41	23.66	<=30	Pass
			5	23.23	0.41	23.64	<=30	Pass
		3	0	23.15	0.41	23.56	<=30	Pass
			2	23.21	0.41	23.62	<=30	Pass
			3	23.15	0.41	23.56	<=30	Pass
		6	0	22.21	0.41	22.62	<=30	Pass
	1754.3	1	0	23.30	0.41	23.71	<=30	Pass
			2	23.08	0.41	23.49	<=30	Pass
			5	23.16	0.41	23.57	<=30	Pass
		3	0	22.98	0.41	23.39	<=30	Pass
			2	23.00	0.41	23.41	<=30	Pass
			3	23.02	0.41	23.43	<=30	Pass
		6	0	22.01	0.41	22.42	<=30	Pass
16QAM	1710.7	1	0	21.56	0.41	21.97	<=30	Pass
			2	21.63	0.41	22.04	<=30	Pass
			5	21.63	0.41	22.04	<=30	Pass
		3	0	22.09	0.41	22.50	<=30	Pass
			2	22.07	0.41	22.48	<=30	Pass
			3	22.04	0.41	22.45	<=30	Pass
		6	0	21.16	0.41	21.57	<=30	Pass
	1732.5	1	0	22.34	0.41	22.75	<=30	Pass
			2	22.41	0.41	22.82	<=30	Pass
			5	22.37	0.41	22.78	<=30	Pass
		3	0	22.30	0.41	22.71	<=30	Pass
			2	22.37	0.41	22.78	<=30	Pass
			3	22.32	0.41	22.73	<=30	Pass
		6	0	21.32	0.41	21.73	<=30	Pass
	1754.3	1	0	21.86	0.41	22.27	<=30	Pass
			2	21.74	0.41	22.15	<=30	Pass
			5	21.82	0.41	22.23	<=30	Pass
		3	0	21.84	0.41	22.25	<=30	Pass
			2	21.85	0.41	22.26	<=30	Pass
			3	21.84	0.41	22.25	<=30	Pass
		6	0	21.28	0.41	21.69	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B4_3MHz_EIRP

1.2.1 Test Result

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	22.90	0.41	23.31	<=30	Pass
			7	22.97	0.41	23.38	<=30	Pass
			14	22.98	0.41	23.39	<=30	Pass
		8	0	22.00	0.41	22.41	<=30	Pass
			4	21.98	0.41	22.39	<=30	Pass
			7	21.99	0.41	22.40	<=30	Pass
		15	0	22.09	0.41	22.50	<=30	Pass
	1732.5	1	0	22.98	0.41	23.39	<=30	Pass
			7	23.02	0.41	23.43	<=30	Pass
			14	23.03	0.41	23.44	<=30	Pass
		8	0	22.08	0.41	22.49	<=30	Pass
			4	22.07	0.41	22.48	<=30	Pass
			7	22.12	0.41	22.53	<=30	Pass
		15	0	22.11	0.41	22.52	<=30	Pass
	1753.5	1	0	23.09	0.41	23.50	<=30	Pass
			7	23.05	0.41	23.46	<=30	Pass
			14	23.07	0.41	23.48	<=30	Pass
		8	0	21.99	0.41	22.40	<=30	Pass
			4	21.98	0.41	22.39	<=30	Pass
			7	21.92	0.41	22.33	<=30	Pass
		15	0	21.95	0.41	22.36	<=30	Pass
16QAM	1711.5	1	0	22.62	0.41	23.03	<=30	Pass
			7	22.74	0.41	23.15	<=30	Pass
			14	22.67	0.41	23.08	<=30	Pass
		8	0	21.23	0.41	21.64	<=30	Pass
			4	21.28	0.41	21.69	<=30	Pass
			7	21.22	0.41	21.63	<=30	Pass
		15	0	21.15	0.41	21.56	<=30	Pass
	1732.5	1	0	22.39	0.41	22.80	<=30	Pass
			7	22.34	0.41	22.75	<=30	Pass
			14	22.40	0.41	22.81	<=30	Pass
		8	0	21.36	0.41	21.77	<=30	Pass
			4	21.28	0.41	21.69	<=30	Pass
			7	21.27	0.41	21.68	<=30	Pass
		15	0	21.25	0.41	21.66	<=30	Pass
	1753.5	1	0	21.84	0.41	22.25	<=30	Pass
			7	21.71	0.41	22.12	<=30	Pass
			14	21.76	0.41	22.17	<=30	Pass
		8	0	21.39	0.41	21.80	<=30	Pass
			4	21.35	0.41	21.76	<=30	Pass
			7	21.35	0.41	21.76	<=30	Pass
		15	0	21.05	0.41	21.46	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

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	23.01	0.41	23.42	<=30	Pass
			13	22.84	0.41	23.25	<=30	Pass
			24	22.86	0.41	23.27	<=30	Pass
		12	0	22.08	0.41	22.49	<=30	Pass
			6	22.11	0.41	22.52	<=30	Pass
			13	22.14	0.41	22.55	<=30	Pass
		25	0	22.09	0.41	22.50	<=30	Pass
	1732.5	1	0	23.19	0.41	23.60	<=30	Pass
			13	23.24	0.41	23.65	<=30	Pass
			24	23.19	0.41	23.60	<=30	Pass
		12	0	22.16	0.41	22.57	<=30	Pass
			6	22.05	0.41	22.46	<=30	Pass
			13	22.03	0.41	22.44	<=30	Pass
		25	0	22.01	0.41	22.42	<=30	Pass
	1752.5	1	0	22.84	0.41	23.25	<=30	Pass
			13	22.80	0.41	23.21	<=30	Pass
			24	22.82	0.41	23.23	<=30	Pass
		12	0	21.95	0.41	22.36	<=30	Pass
			6	22.01	0.41	22.42	<=30	Pass
			13	21.99	0.41	22.40	<=30	Pass
		25	0	22.04	0.41	22.45	<=30	Pass
16QAM	1712.5	1	0	22.16	0.41	22.57	<=30	Pass
			13	22.17	0.41	22.58	<=30	Pass
			24	22.23	0.41	22.64	<=30	Pass
		12	0	21.16	0.41	21.57	<=30	Pass
			6	21.13	0.41	21.54	<=30	Pass
			13	21.18	0.41	21.59	<=30	Pass
		25	0	21.26	0.41	21.67	<=30	Pass
	1732.5	1	0	22.22	0.41	22.63	<=30	Pass
			13	22.22	0.41	22.63	<=30	Pass
			24	22.27	0.41	22.68	<=30	Pass
		12	0	21.15	0.41	21.56	<=30	Pass
			6	21.23	0.41	21.64	<=30	Pass
			13	21.14	0.41	21.55	<=30	Pass
		25	0	21.16	0.41	21.57	<=30	Pass
	1752.5	1	0	21.28	0.41	21.69	<=30	Pass
			13	21.23	0.41	21.64	<=30	Pass
			24	21.26	0.41	21.67	<=30	Pass
		12	0	21.08	0.41	21.49	<=30	Pass
			6	21.07	0.41	21.48	<=30	Pass
			13	21.06	0.41	21.47	<=30	Pass
		25	0	21.17	0.41	21.58	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

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	23.11	0.41	23.52	<=30	Pass
			25	22.99	0.41	23.40	<=30	Pass

		25	49	23.01	0.41	23.42	<=30	Pass	
			0	22.00	0.41	22.41	<=30	Pass	
			13	22.01	0.41	22.42	<=30	Pass	
			25	22.16	0.41	22.57	<=30	Pass	
		50	0	22.05	0.41	22.46	<=30	Pass	
	1732.5	1	0	23.04	0.41	23.45	<=30	Pass	
			25	23.02	0.41	23.43	<=30	Pass	
			49	23.06	0.41	23.47	<=30	Pass	
		25	0	22.05	0.41	22.46	<=30	Pass	
			13	22.12	0.41	22.53	<=30	Pass	
			25	21.99	0.41	22.40	<=30	Pass	
		50	0	22.03	0.41	22.44	<=30	Pass	
		1750	1	0	22.96	0.41	23.37	<=30	Pass
	25			22.97	0.41	23.38	<=30	Pass	
	49			22.89	0.41	23.30	<=30	Pass	
	25		0	21.97	0.41	22.38	<=30	Pass	
			13	21.97	0.41	22.38	<=30	Pass	
			25	22.03	0.41	22.44	<=30	Pass	
	50		0	22.05	0.41	22.46	<=30	Pass	
	16QAM	1715	1	0	21.61	0.41	22.02	<=30	Pass
				25	21.52	0.41	21.93	<=30	Pass
49				21.54	0.41	21.95	<=30	Pass	
25			0	21.34	0.41	21.75	<=30	Pass	
			13	21.37	0.41	21.78	<=30	Pass	
			25	21.32	0.41	21.73	<=30	Pass	
50			0	21.25	0.41	21.66	<=30	Pass	
1732.5		1	0	22.31	0.41	22.72	<=30	Pass	
			25	22.36	0.41	22.77	<=30	Pass	
			49	22.31	0.41	22.72	<=30	Pass	
		25	0	21.29	0.41	21.70	<=30	Pass	
			13	21.33	0.41	21.74	<=30	Pass	
			25	21.28	0.41	21.69	<=30	Pass	
		50	0	21.28	0.41	21.69	<=30	Pass	
1750		1	0	22.32	0.41	22.73	<=30	Pass	
			25	22.33	0.41	22.74	<=30	Pass	
			49	22.31	0.41	22.72	<=30	Pass	
		25	0	21.10	0.41	21.51	<=30	Pass	
			13	21.12	0.41	21.53	<=30	Pass	
			25	21.06	0.41	21.47	<=30	Pass	
		50	0	21.18	0.41	21.59	<=30	Pass	
	Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

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	22.94	0.41	23.35	<=30	Pass
			38	22.89	0.41	23.30	<=30	Pass
			74	22.98	0.41	23.39	<=30	Pass
		36	0	22.03	0.41	22.44	<=30	Pass
			18	22.02	0.41	22.43	<=30	Pass
			39	22.11	0.41	22.52	<=30	Pass

	1732.5	75	0	22.10	0.41	22.51	<=30	Pass	
		1	0	22.97	0.41	23.38	<=30	Pass	
			38	23.04	0.41	23.45	<=30	Pass	
			74	23.03	0.41	23.44	<=30	Pass	
			0	22.23	0.41	22.64	<=30	Pass	
		36	18	22.08	0.41	22.49	<=30	Pass	
			39	22.21	0.41	22.62	<=30	Pass	
			75	0	22.07	0.41	22.48	<=30	Pass
		1747.5	1	0	22.97	0.41	23.38	<=30	Pass
				38	22.93	0.41	23.34	<=30	Pass
	74			22.89	0.41	23.30	<=30	Pass	
	36		0	22.01	0.41	22.42	<=30	Pass	
			18	21.96	0.41	22.37	<=30	Pass	
			39	22.00	0.41	22.41	<=30	Pass	
	75		0	22.02	0.41	22.43	<=30	Pass	

16QAM	1717.5	1	0	22.23	0.41	22.64	<=30	Pass
			38	22.25	0.41	22.66	<=30	Pass
			74	22.26	0.41	22.67	<=30	Pass
		36	0	21.29	0.41	21.70	<=30	Pass
			18	21.19	0.41	21.60	<=30	Pass
			39	21.25	0.41	21.66	<=30	Pass
		75	0	21.25	0.41	21.66	<=30	Pass
	1732.5	1	0	22.81	0.41	23.22	<=30	Pass
			38	22.90	0.41	23.31	<=30	Pass
			74	22.74	0.41	23.15	<=30	Pass
		36	0	21.26	0.41	21.67	<=30	Pass
			18	21.25	0.41	21.66	<=30	Pass
			39	21.17	0.41	21.58	<=30	Pass
		75	0	21.21	0.41	21.62	<=30	Pass
	1747.5	1	0	22.29	0.41	22.70	<=30	Pass
			38	22.29	0.41	22.70	<=30	Pass
			74	22.26	0.41	22.67	<=30	Pass
		36	0	21.21	0.41	21.62	<=30	Pass
			18	21.11	0.41	21.52	<=30	Pass
			39	21.17	0.41	21.58	<=30	Pass
		75	0	21.16	0.41	21.57	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain								
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1.6 B4_20MHz_EIRP

1.6.1 Test Result

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	22.96	0.41	23.37	<=30	Pass
			50	22.93	0.41	23.34	<=30	Pass
			99	23.17	0.41	23.58	<=30	Pass
		50	0	21.99	0.41	22.40	<=30	Pass
			25	21.98	0.41	22.39	<=30	Pass
			50	22.09	0.41	22.50	<=30	Pass
		100	0	21.98	0.41	22.39	<=30	Pass
	1732.5	1	0	23.09	0.41	23.50	<=30	Pass
			50	23.13	0.41	23.54	<=30	Pass
			99	23.11	0.41	23.52	<=30	Pass

		50	0	22.16	0.41	22.57	<=30	Pass
			25	22.15	0.41	22.56	<=30	Pass
			50	22.05	0.41	22.46	<=30	Pass
		100	0	22.15	0.41	22.56	<=30	Pass
	1745	1	0	23.12	0.41	23.53	<=30	Pass
			50	23.00	0.41	23.41	<=30	Pass
			99	22.93	0.41	23.34	<=30	Pass
		50	0	22.09	0.41	22.50	<=30	Pass
			25	22.08	0.41	22.49	<=30	Pass
			50	22.13	0.41	22.54	<=30	Pass
		100	0	22.05	0.41	22.46	<=30	Pass
		16QAM	1720	1	0	22.38	0.41	22.79
50	22.41				0.41	22.82	<=30	Pass
99	22.49				0.41	22.90	<=30	Pass
50	0			21.31	0.41	21.72	<=30	Pass
	25			21.25	0.41	21.66	<=30	Pass
	50			21.26	0.41	21.67	<=30	Pass
100	0			21.19	0.41	21.60	<=30	Pass
1732.5	1		0	22.21	0.41	22.62	<=30	Pass
			50	22.22	0.41	22.63	<=30	Pass
			99	22.14	0.41	22.55	<=30	Pass
	50		0	21.29	0.41	21.70	<=30	Pass
			25	21.29	0.41	21.70	<=30	Pass
			50	21.28	0.41	21.69	<=30	Pass
	100		0	21.19	0.41	21.60	<=30	Pass
1745	1		0	22.90	0.41	23.31	<=30	Pass
			50	22.83	0.41	23.24	<=30	Pass
			99	22.84	0.41	23.25	<=30	Pass
	50		0	21.12	0.41	21.53	<=30	Pass
			25	21.14	0.41	21.55	<=30	Pass
			50	21.19	0.41	21.60	<=30	Pass
	100		0	21.20	0.41	21.61	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

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	-5.879	-0.0034	-2.5 to 2.5	Pass
					3.85	-23.446	-0.0137	-2.5 to 2.5	Pass
					4.43	-38.195	-0.0223	-2.5 to 2.5	Pass
				-30	3.85	-29.554	-0.0173	-2.5 to 2.5	Pass
				-20	3.85	-12.803	-0.0075	-2.5 to 2.5	Pass
				-10	3.85	-21.071	-0.0123	-2.5 to 2.5	Pass
				0	3.85	-14.849	-0.0087	-2.5 to 2.5	Pass
				10	3.85	-27.723	-0.0162	-2.5 to 2.5	Pass
				30	3.85	-28.925	-0.0169	-2.5 to 2.5	Pass
				40	3.85	-28.510	-0.0167	-2.5 to 2.5	Pass
				50	3.85	-11.473	-0.0067	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-20.900	-0.0121	-2.5 to 2.5	Pass
					3.85	-30.556	-0.0176	-2.5 to 2.5	Pass
					4.43	-48.938	-0.0282	-2.5 to 2.5	Pass
				-30	3.85	-14.849	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-15.621	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-20.442	-0.0118	-2.5 to 2.5	Pass
				0	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-6.194	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-21.243	-0.0123	-2.5 to 2.5	Pass
				40	3.85	-30.770	-0.0178	-2.5 to 2.5	Pass
				50	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-3.390	-0.0019	-2.5 to 2.5	Pass
					3.85	-17.624	-0.0100	-2.5 to 2.5	Pass
					4.43	-34.447	-0.0196	-2.5 to 2.5	Pass
				-30	3.85	-9.627	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-26.736	-0.0152	-2.5 to 2.5	Pass
				-10	3.85	-39.611	-0.0226	-2.5 to 2.5	Pass
				0	3.85	-27.065	-0.0154	-2.5 to 2.5	Pass
				10	3.85	-37.422	-0.0213	-2.5 to 2.5	Pass
				30	3.85	-19.112	-0.0109	-2.5 to 2.5	Pass
				40	3.85	-26.965	-0.0154	-2.5 to 2.5	Pass
				50	3.85	-34.833	-0.0199	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-16.708	-0.0098	-2.5 to 2.5	Pass
					3.85	-11.501	-0.0067	-2.5 to 2.5	Pass
					4.43	-40.154	-0.0235	-2.5 to 2.5	Pass
				-30	3.85	-17.467	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	7.510	0.0044	-2.5 to 2.5	Pass
				-10	3.85	-14.834	-0.0087	-2.5 to 2.5	Pass
				0	3.85	-32.344	-0.0189	-2.5 to 2.5	Pass
				10	3.85	-14.749	-0.0086	-2.5 to 2.5	Pass
				30	3.85	-34.947	-0.0204	-2.5 to 2.5	Pass
				40	3.85	-17.281	-0.0101	-2.5 to 2.5	Pass
				50	3.85	-33.631	-0.0197	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-23.761	-0.0137	-2.5 to 2.5	Pass
					3.85	-34.275	-0.0198	-2.5 to 2.5	Pass
					4.43	-4.063	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-14.148	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-23.603	-0.0136	-2.5 to 2.5	Pass
				-10	3.85	-32.701	-0.0189	-2.5 to 2.5	Pass
				0	3.85	8.526	0.0049	-2.5 to 2.5	Pass
				10	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-11.644	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-18.482	-0.0107	-2.5 to 2.5	Pass
				50	3.85	-25.091	-0.0145	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	4.106	0.0023	-2.5 to 2.5	Pass
					3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
					4.43	-5.879	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-12.217	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-15.264	-0.0087	-2.5 to 2.5	Pass
				-10	3.85	-22.044	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-28.195	-0.0161	-2.5 to 2.5	Pass
				10	3.85	-31.514	-0.0180	-2.5 to 2.5	Pass
				30	3.85	11.215	0.0064	-2.5 to 2.5	Pass
				40	3.85	6.852	0.0039	-2.5 to 2.5	Pass
				50	3.85	0.815	0.0005	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

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	-26.793	-0.0157	-2.5 to 2.5	Pass
					3.85	-34.890	-0.0204	-2.5 to 2.5	Pass
					4.43	-2.246	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-21.586	-0.0126	-2.5 to 2.5	Pass
				-20	3.85	-4.892	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-13.933	-0.0081	-2.5 to 2.5	Pass
				10	3.85	-9.069	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-32.830	-0.0192	-2.5 to 2.5	Pass
				40	3.85	-21.744	-0.0127	-2.5 to 2.5	Pass
				50	3.85	-42.529	-0.0248	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-12.016	-0.0069	-2.5 to 2.5	Pass
					3.85	-16.766	-0.0097	-2.5 to 2.5	Pass
					4.43	-25.549	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-34.661	-0.0200	-2.5 to 2.5	Pass
				-20	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-13.504	-0.0078	-2.5 to 2.5	Pass
				0	3.85	-20.056	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-28.181	-0.0163	-2.5 to 2.5	Pass
				30	3.85	-35.534	-0.0205	-2.5 to 2.5	Pass
				40	3.85	-41.485	-0.0239	-2.5 to 2.5	Pass
				50	3.85	14.706	0.0085	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-10.514	-0.0060	-2.5 to 2.5	Pass
					3.85	-20.328	-0.0116	-2.5 to 2.5	Pass
					4.43	-31.686	-0.0181	-2.5 to 2.5	Pass
				-30	3.85	-41.642	-0.0237	-2.5 to 2.5	Pass
				-20	3.85	-49.038	-0.0280	-2.5 to 2.5	Pass
				-10	3.85	-8.268	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-15.450	-0.0088	-2.5 to 2.5	Pass
				10	3.85	-22.874	-0.0130	-2.5 to 2.5	Pass
				30	3.85	-30.513	-0.0174	-2.5 to 2.5	Pass
				40	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				50	3.85	-7.939	-0.0045	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-16.265	-0.0095	-2.5 to 2.5	Pass
					3.85	-30.499	-0.0178	-2.5 to 2.5	Pass
					4.43	-43.216	-0.0253	-2.5 to 2.5	Pass
				-30	3.85	-18.682	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-31.328	-0.0183	-2.5 to 2.5	Pass
				-10	3.85	-40.426	-0.0236	-2.5 to 2.5	Pass
				0	3.85	-15.421	-0.0090	-2.5 to 2.5	Pass
				10	3.85	-27.738	-0.0162	-2.5 to 2.5	Pass
				30	3.85	-37.122	-0.0217	-2.5 to 2.5	Pass
				40	3.85	4.120	0.0024	-2.5 to 2.5	Pass
				50	3.85	-7.482	-0.0044	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	9.170	0.0053	-2.5 to 2.5	Pass
					3.85	6.423	0.0037	-2.5 to 2.5	Pass
					4.43	3.748	0.0022	-2.5 to 2.5	Pass
				-30	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-10.314	-0.0060	-2.5 to 2.5	Pass

				-10	3.85	-13.247	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-16.022	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-19.298	-0.0111	-2.5 to 2.5	Pass
				30	3.85	-22.101	-0.0128	-2.5 to 2.5	Pass
				40	3.85	-24.233	-0.0140	-2.5 to 2.5	Pass
				50	3.85	-25.921	-0.0150	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-13.905	-0.0079	-2.5 to 2.5	Pass
					3.85	-16.723	-0.0095	-2.5 to 2.5	Pass
					4.43	-19.641	-0.0112	-2.5 to 2.5	Pass
				-30	3.85	-22.774	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-24.791	-0.0141	-2.5 to 2.5	Pass
				-10	3.85	-28.739	-0.0164	-2.5 to 2.5	Pass
				0	3.85	-31.385	-0.0179	-2.5 to 2.5	Pass
				10	3.85	16.179	0.0092	-2.5 to 2.5	Pass
				30	3.85	12.903	0.0074	-2.5 to 2.5	Pass
				40	3.85	8.783	0.0050	-2.5 to 2.5	Pass
				50	3.85	6.309	0.0036	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

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	-9.041	-0.0053	-2.5 to 2.5	Pass
					3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
					4.43	-11.587	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-18.654	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-26.736	-0.0156	-2.5 to 2.5	Pass
				-10	3.85	-21.572	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-15.249	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-10.142	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-34.018	-0.0199	-2.5 to 2.5	Pass
				40	3.85	5.693	0.0033	-2.5 to 2.5	Pass
				50	3.85	-14.048	-0.0082	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	14.434	0.0083	-2.5 to 2.5	Pass
					3.85	10.672	0.0062	-2.5 to 2.5	Pass
					4.43	2.503	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-10.929	-0.0063	-2.5 to 2.5	Pass
				-10	3.85	-14.677	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-20.113	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-25.620	-0.0148	-2.5 to 2.5	Pass
				30	3.85	-30.441	-0.0176	-2.5 to 2.5	Pass
				40	3.85	-34.032	-0.0196	-2.5 to 2.5	Pass
				50	3.85	-38.223	-0.0221	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	3.977	0.0023	-2.5 to 2.5	Pass
					3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
					4.43	-30.313	-0.0173	-2.5 to 2.5	Pass
				-30	3.85	-35.348	-0.0202	-2.5 to 2.5	Pass
				-20	3.85	-5.322	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-9.885	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-10.386	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-11.544	-0.0066	-2.5 to 2.5	Pass

				30	3.85	-13.518	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-17.681	-0.0101	-2.5 to 2.5	Pass
				50	3.85	-18.868	-0.0108	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-18.911	-0.0110	-2.5 to 2.5	Pass
					3.85	-15.306	-0.0089	-2.5 to 2.5	Pass
					4.43	-30.298	-0.0177	-2.5 to 2.5	Pass
				-30	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-21.043	-0.0123	-2.5 to 2.5	Pass
				-10	3.85	-32.301	-0.0189	-2.5 to 2.5	Pass
				0	3.85	-5.422	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-15.678	-0.0092	-2.5 to 2.5	Pass
				30	3.85	-24.962	-0.0146	-2.5 to 2.5	Pass
				40	3.85	14.076	0.0082	-2.5 to 2.5	Pass
				50	3.85	1.702	0.0010	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-5.121	-0.0030	-2.5 to 2.5	Pass
					3.85	-7.882	-0.0045	-2.5 to 2.5	Pass
					4.43	-14.191	-0.0082	-2.5 to 2.5	Pass
				-30	3.85	-17.738	-0.0102	-2.5 to 2.5	Pass
				-20	3.85	-20.242	-0.0117	-2.5 to 2.5	Pass
				-10	3.85	-24.247	-0.0140	-2.5 to 2.5	Pass
				0	3.85	-27.351	-0.0158	-2.5 to 2.5	Pass
				10	3.85	-31.643	-0.0183	-2.5 to 2.5	Pass
				30	3.85	1.659	0.0010	-2.5 to 2.5	Pass
				40	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-21.715	-0.0124	-2.5 to 2.5	Pass
					3.85	-25.063	-0.0143	-2.5 to 2.5	Pass
					4.43	-24.405	-0.0139	-2.5 to 2.5	Pass
				-30	3.85	-29.640	-0.0169	-2.5 to 2.5	Pass
				-20	3.85	-31.729	-0.0181	-2.5 to 2.5	Pass
				-10	3.85	-34.132	-0.0195	-2.5 to 2.5	Pass
				0	3.85	-37.336	-0.0213	-2.5 to 2.5	Pass
				10	3.85	-38.066	-0.0217	-2.5 to 2.5	Pass
				30	3.85	-9.699	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-5.822	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-6.394	-0.0036	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

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	-9.398	-0.0055	-2.5 to 2.5	Pass
					3.85	-37.508	-0.0219	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-8.426	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-10.800	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-13.261	-0.0077	-2.5 to 2.5	Pass
				40	3.85	-14.277	-0.0083	-2.5 to 2.5	Pass
				50	3.85	-17.724	-0.0103	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	-3.104	-0.0018	-2.5 to 2.5	Pass
					3.85	-14.033	-0.0081	-2.5 to 2.5	Pass
					4.43	-19.140	-0.0110	-2.5 to 2.5	Pass
				-30	3.85	-16.608	-0.0096	-2.5 to 2.5	Pass
				-20	3.85	-17.781	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-17.209	-0.0099	-2.5 to 2.5	Pass
				0	3.85	-17.281	-0.0100	-2.5 to 2.5	Pass
				10	3.85	-25.020	-0.0144	-2.5 to 2.5	Pass
				30	3.85	-18.368	-0.0106	-2.5 to 2.5	Pass
	1750	50	0	40	3.85	-20.027	-0.0116	-2.5 to 2.5	Pass
				50	3.85	-19.984	-0.0115	-2.5 to 2.5	Pass
				20	3.27	-9.928	-0.0057	-2.5 to 2.5	Pass
					3.85	-25.120	-0.0144	-2.5 to 2.5	Pass
					4.43	-27.595	-0.0158	-2.5 to 2.5	Pass
				-30	3.85	-28.882	-0.0165	-2.5 to 2.5	Pass
				-20	3.85	-29.197	-0.0167	-2.5 to 2.5	Pass
				-10	3.85	-27.409	-0.0157	-2.5 to 2.5	Pass
				0	3.85	-27.552	-0.0157	-2.5 to 2.5	Pass
16QAM	1715	50	0	10	3.85	-29.855	-0.0171	-2.5 to 2.5	Pass
				30	3.85	-27.881	-0.0159	-2.5 to 2.5	Pass
				40	3.85	-31.443	-0.0180	-2.5 to 2.5	Pass
				50	3.85	-31.185	-0.0178	-2.5 to 2.5	Pass
				20	3.27	-18.525	-0.0108	-2.5 to 2.5	Pass
					3.85	-16.508	-0.0096	-2.5 to 2.5	Pass
					4.43	-17.953	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	-18.997	-0.0111	-2.5 to 2.5	Pass
				-20	3.85	-20.542	-0.0120	-2.5 to 2.5	Pass
	1732.5	50	0	-10	3.85	-22.216	-0.0130	-2.5 to 2.5	Pass
				0	3.85	-22.430	-0.0131	-2.5 to 2.5	Pass
				10	3.85	-26.150	-0.0152	-2.5 to 2.5	Pass
				30	3.85	-25.177	-0.0147	-2.5 to 2.5	Pass
				40	3.85	-28.782	-0.0168	-2.5 to 2.5	Pass
				50	3.85	-28.868	-0.0168	-2.5 to 2.5	Pass
				20	3.27	-20.328	-0.0117	-2.5 to 2.5	Pass
					3.85	-17.681	-0.0102	-2.5 to 2.5	Pass
					4.43	-16.551	-0.0096	-2.5 to 2.5	Pass
	1750	50	0	-30	3.85	-19.856	-0.0115	-2.5 to 2.5	Pass
				-20	3.85	-18.797	-0.0108	-2.5 to 2.5	Pass
				-10	3.85	-18.582	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-19.398	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-17.595	-0.0102	-2.5 to 2.5	Pass
				30	3.85	-18.582	-0.0107	-2.5 to 2.5	Pass
				40	3.85	-20.871	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-20.027	-0.0116	-2.5 to 2.5	Pass
				20	3.27	-30.069	-0.0172	-2.5 to 2.5	Pass
					3.85	-28.496	-0.0163	-2.5 to 2.5	Pass
					4.43	-31.271	-0.0179	-2.5 to 2.5	Pass
				-30	3.85	-30.513	-0.0174	-2.5 to 2.5	Pass
				-20	3.85	-32.043	-0.0183	-2.5 to 2.5	Pass
				-10	3.85	-34.790	-0.0199	-2.5 to 2.5	Pass
				0	3.85	-35.763	-0.0204	-2.5 to 2.5	Pass
				10	3.85	-35.863	-0.0205	-2.5 to 2.5	Pass
				30	3.85	-37.465	-0.0214	-2.5 to 2.5	Pass
				40	3.85	-36.993	-0.0211	-2.5 to 2.5	Pass
				50	3.85	-36.864	-0.0211	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

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	-13.046	-0.0076	-2.5 to 2.5	Pass
					3.85	-34.261	-0.0199	-2.5 to 2.5	Pass
					4.43	-18.396	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-31.443	-0.0183	-2.5 to 2.5	Pass
				-20	3.85	-39.039	-0.0227	-2.5 to 2.5	Pass
				-10	3.85	-11.315	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-16.193	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-22.087	-0.0129	-2.5 to 2.5	Pass
				30	3.85	-27.695	-0.0161	-2.5 to 2.5	Pass
				40	3.85	-31.343	-0.0182	-2.5 to 2.5	Pass
				50	3.85	-36.879	-0.0215	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-11.187	-0.0065	-2.5 to 2.5	Pass
					3.85	-22.516	-0.0130	-2.5 to 2.5	Pass
					4.43	-25.363	-0.0146	-2.5 to 2.5	Pass
				-30	3.85	-25.678	-0.0148	-2.5 to 2.5	Pass
				-20	3.85	-23.704	-0.0137	-2.5 to 2.5	Pass
				-10	3.85	-24.104	-0.0139	-2.5 to 2.5	Pass
				0	3.85	-25.334	-0.0146	-2.5 to 2.5	Pass
				10	3.85	-24.419	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-25.349	-0.0146	-2.5 to 2.5	Pass
				40	3.85	-25.592	-0.0148	-2.5 to 2.5	Pass
				50	3.85	-27.895	-0.0161	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-7.482	-0.0043	-2.5 to 2.5	Pass
					3.85	-20.084	-0.0115	-2.5 to 2.5	Pass
					4.43	-21.501	-0.0123	-2.5 to 2.5	Pass
				-30	3.85	-19.512	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-18.024	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-18.053	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-18.039	-0.0103	-2.5 to 2.5	Pass
				10	3.85	-16.937	-0.0097	-2.5 to 2.5	Pass
				30	3.85	-17.910	-0.0102	-2.5 to 2.5	Pass
				40	3.85	-19.240	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-19.455	-0.0111	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-38.524	-0.0224	-2.5 to 2.5	Pass
					3.85	-40.026	-0.0233	-2.5 to 2.5	Pass
					4.43	13.847	0.0081	-2.5 to 2.5	Pass
				-30	3.85	10.829	0.0063	-2.5 to 2.5	Pass
				-20	3.85	8.841	0.0051	-2.5 to 2.5	Pass
				-10	3.85	9.770	0.0057	-2.5 to 2.5	Pass
				0	3.85	6.137	0.0036	-2.5 to 2.5	Pass
				10	3.85	5.608	0.0033	-2.5 to 2.5	Pass
				30	3.85	6.580	0.0038	-2.5 to 2.5	Pass
				40	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				50	3.85	4.091	0.0024	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-25.034	-0.0144	-2.5 to 2.5	Pass
					3.85	-22.874	-0.0132	-2.5 to 2.5	Pass
					4.43	-25.148	-0.0145	-2.5 to 2.5	Pass
				-30	3.85	-26.522	-0.0153	-2.5 to 2.5	Pass
				-20	3.85	-26.708	-0.0154	-2.5 to 2.5	Pass

				-10	3.85	-27.194	-0.0157	-2.5 to 2.5	Pass
				0	3.85	-26.321	-0.0152	-2.5 to 2.5	Pass
				10	3.85	-27.380	-0.0158	-2.5 to 2.5	Pass
				30	3.85	-27.051	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-29.254	-0.0169	-2.5 to 2.5	Pass
				50	3.85	-29.211	-0.0169	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-16.351	-0.0094	-2.5 to 2.5	Pass
					3.85	-14.935	-0.0085	-2.5 to 2.5	Pass
					4.43	-16.522	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	-18.082	-0.0103	-2.5 to 2.5	Pass
				-20	3.85	-17.996	-0.0103	-2.5 to 2.5	Pass
				-10	3.85	-17.481	-0.0100	-2.5 to 2.5	Pass
				0	3.85	-19.541	-0.0112	-2.5 to 2.5	Pass
				10	3.85	-19.584	-0.0112	-2.5 to 2.5	Pass
				30	3.85	-20.070	-0.0115	-2.5 to 2.5	Pass
				40	3.85	-22.230	-0.0127	-2.5 to 2.5	Pass
				50	3.85	-22.845	-0.0131	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

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	-30.370	-0.0177	-2.5 to 2.5	Pass
					3.85	6.595	0.0038	-2.5 to 2.5	Pass
					4.43	-10.314	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-22.302	-0.0130	-2.5 to 2.5	Pass
				-20	3.85	-30.942	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				10	3.85	-11.644	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-16.351	-0.0095	-2.5 to 2.5	Pass
				40	3.85	-20.671	-0.0120	-2.5 to 2.5	Pass
				50	3.85	-24.819	-0.0144	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-11.830	-0.0068	-2.5 to 2.5	Pass
					3.85	-28.324	-0.0163	-2.5 to 2.5	Pass
					4.43	-27.938	-0.0161	-2.5 to 2.5	Pass
				-30	3.85	-24.619	-0.0142	-2.5 to 2.5	Pass
				-20	3.85	-24.476	-0.0141	-2.5 to 2.5	Pass
				-10	3.85	-25.706	-0.0148	-2.5 to 2.5	Pass
				0	3.85	-23.961	-0.0138	-2.5 to 2.5	Pass
				10	3.85	-23.875	-0.0138	-2.5 to 2.5	Pass
				30	3.85	-25.105	-0.0145	-2.5 to 2.5	Pass
				40	3.85	-23.918	-0.0138	-2.5 to 2.5	Pass
				50	3.85	-26.236	-0.0151	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-4.907	-0.0028	-2.5 to 2.5	Pass
					3.85	-25.649	-0.0147	-2.5 to 2.5	Pass
					4.43	-21.257	-0.0122	-2.5 to 2.5	Pass
				-30	3.85	-18.196	-0.0104	-2.5 to 2.5	Pass
				-20	3.85	-14.949	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-14.248	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-14.791	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-14.205	-0.0081	-2.5 to 2.5	Pass

				30	3.85	-13.561	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-11.916	-0.0068	-2.5 to 2.5	Pass
				50	3.85	-13.161	-0.0075	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-26.922	-0.0157	-2.5 to 2.5	Pass
					3.85	-23.646	-0.0137	-2.5 to 2.5	Pass
					4.43	-27.781	-0.0162	-2.5 to 2.5	Pass
				-30	3.85	-27.680	-0.0161	-2.5 to 2.5	Pass
				-20	3.85	-30.541	-0.0178	-2.5 to 2.5	Pass
				-10	3.85	-35.033	-0.0204	-2.5 to 2.5	Pass
				0	3.85	-35.005	-0.0204	-2.5 to 2.5	Pass
				10	3.85	-36.435	-0.0212	-2.5 to 2.5	Pass
				30	3.85	-36.993	-0.0215	-2.5 to 2.5	Pass
				40	3.85	-36.550	-0.0212	-2.5 to 2.5	Pass
				50	3.85	-39.096	-0.0227	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-23.518	-0.0136	-2.5 to 2.5	Pass
					3.85	-22.101	-0.0128	-2.5 to 2.5	Pass
					4.43	-23.031	-0.0133	-2.5 to 2.5	Pass
				-30	3.85	-26.407	-0.0152	-2.5 to 2.5	Pass
				-20	3.85	-26.636	-0.0154	-2.5 to 2.5	Pass
				-10	3.85	-27.652	-0.0160	-2.5 to 2.5	Pass
				0	3.85	-26.693	-0.0154	-2.5 to 2.5	Pass
				10	3.85	-30.341	-0.0175	-2.5 to 2.5	Pass
				30	3.85	-29.354	-0.0169	-2.5 to 2.5	Pass
				40	3.85	-29.683	-0.0171	-2.5 to 2.5	Pass
				50	3.85	-29.655	-0.0171	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-9.041	-0.0052	-2.5 to 2.5	Pass
					3.85	-9.356	-0.0054	-2.5 to 2.5	Pass
					4.43	-12.574	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-13.919	-0.0080	-2.5 to 2.5	Pass
				-20	3.85	-12.975	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-16.365	-0.0094	-2.5 to 2.5	Pass
				0	3.85	-15.550	-0.0089	-2.5 to 2.5	Pass
				10	3.85	-20.170	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-15.321	-0.0088	-2.5 to 2.5	Pass
				40	3.85	9.670	0.0055	-2.5 to 2.5	Pass
				50	3.85	15.092	0.0086	-2.5 to 2.5	Pass

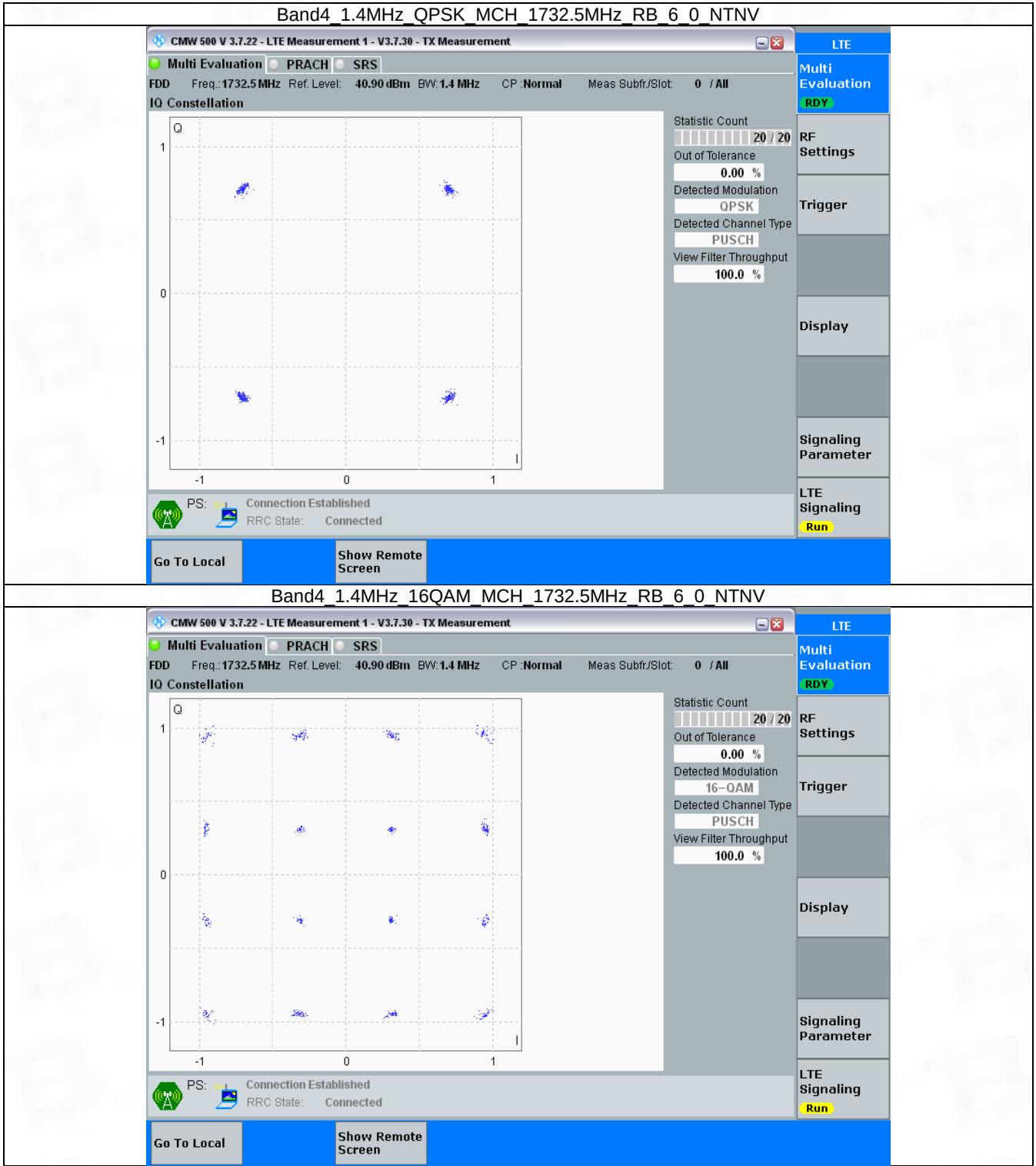
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

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 Test Graph

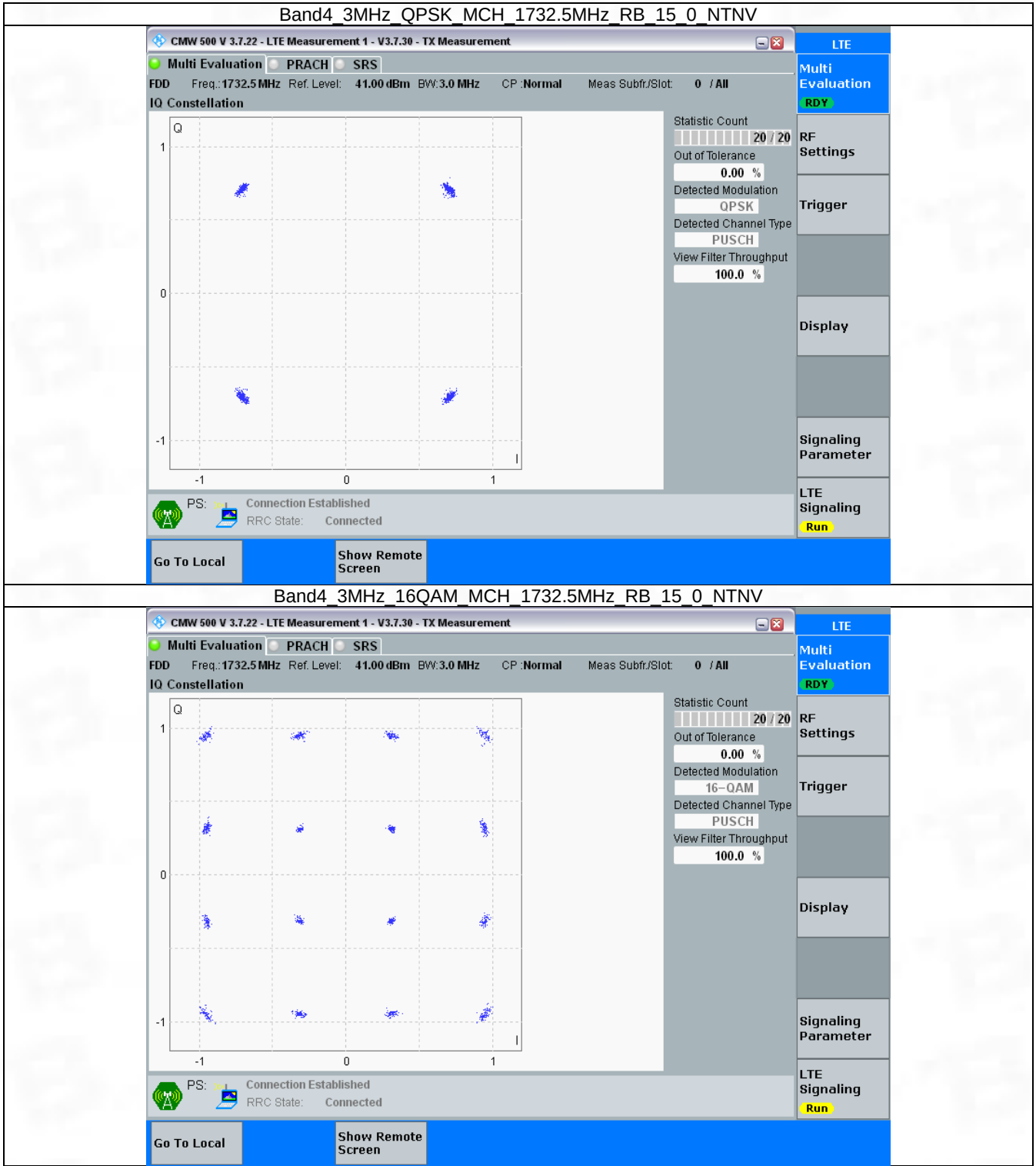


3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTV						
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

3.2.2 Test Graph

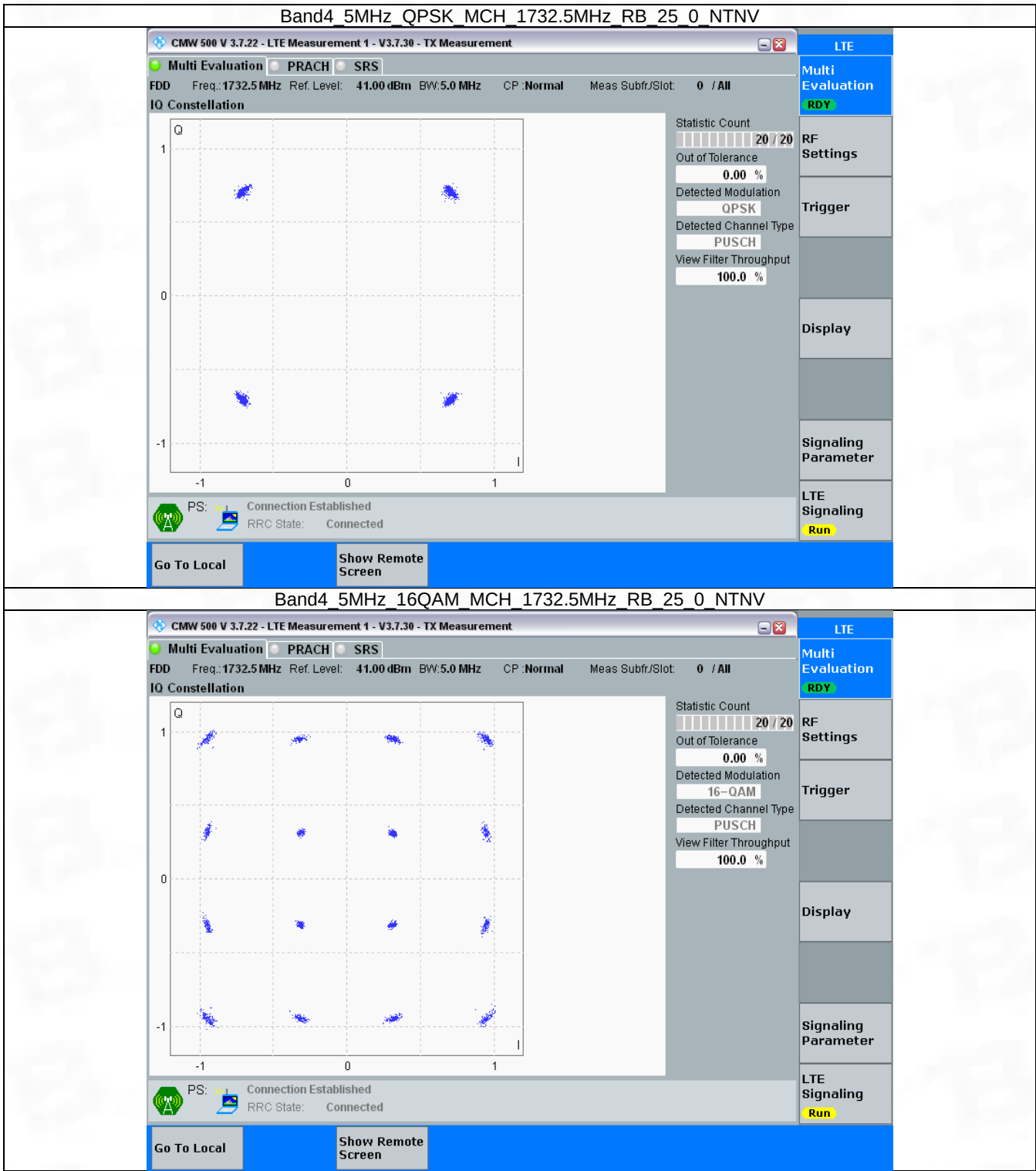


3.3 B4_5MHz

3.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTV						
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

3.3.2 Test Graph

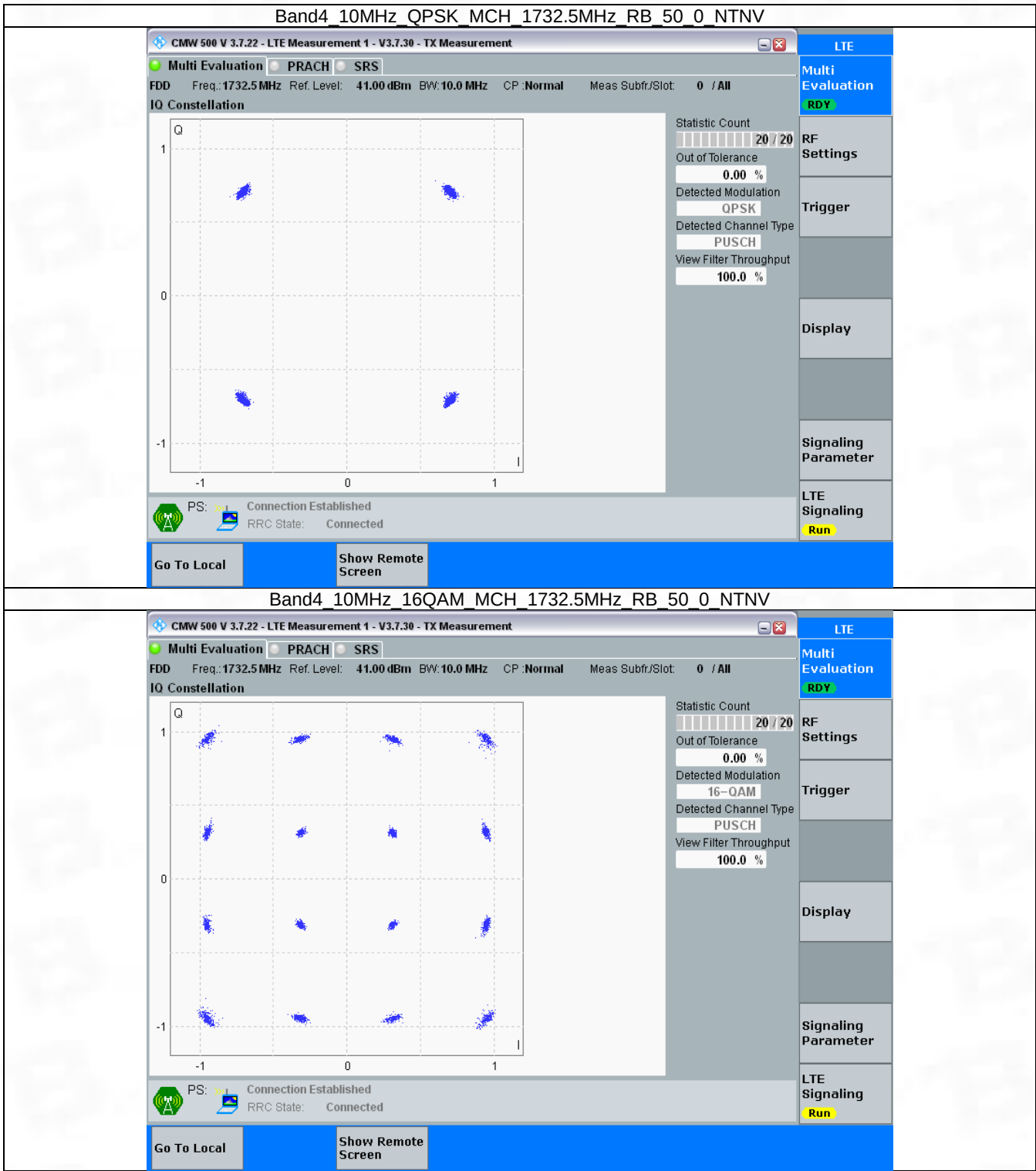


3.4 B4_10MHz

3.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV						
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	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

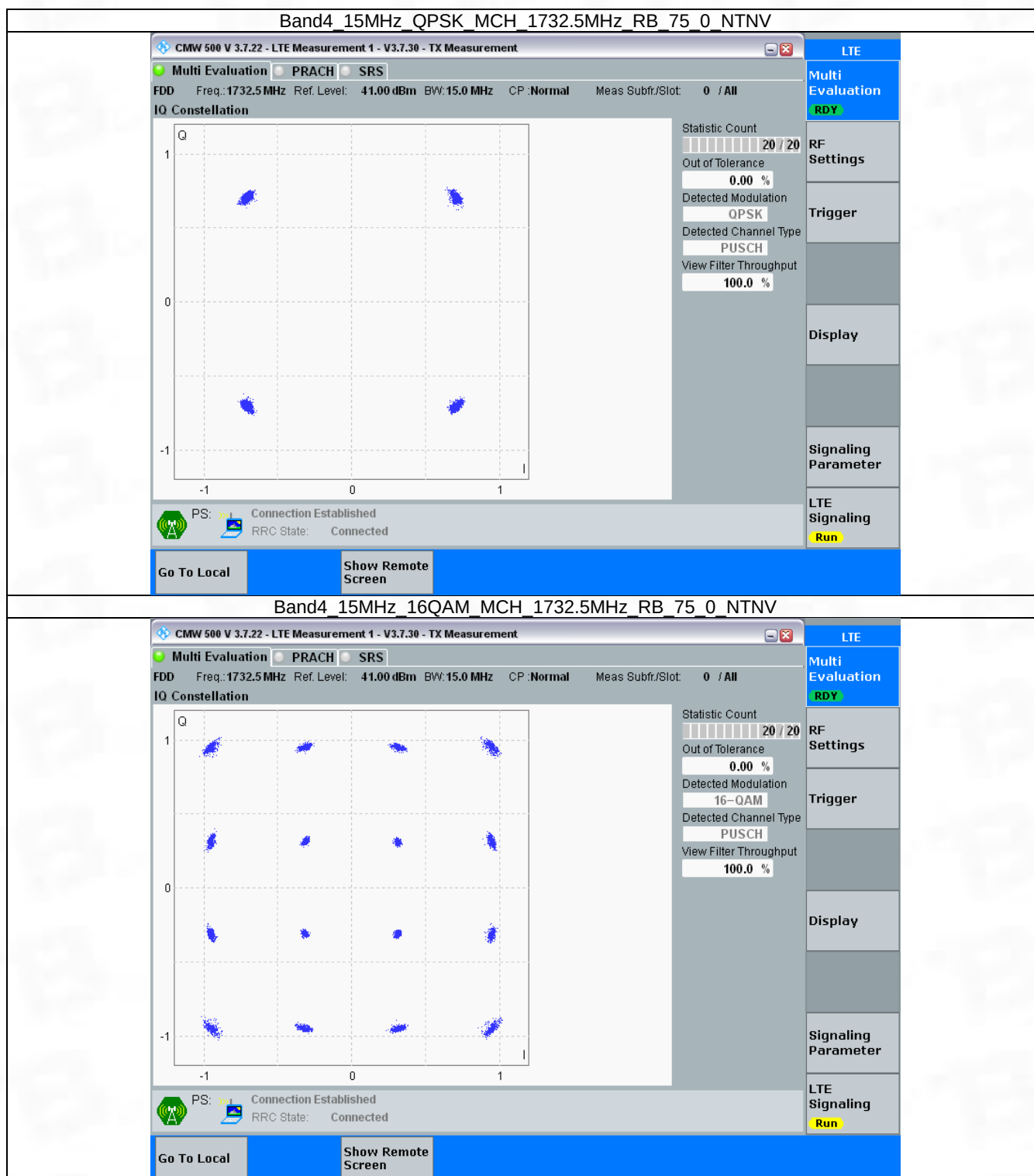


3.5 B4_15MHz

3.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV						
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	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

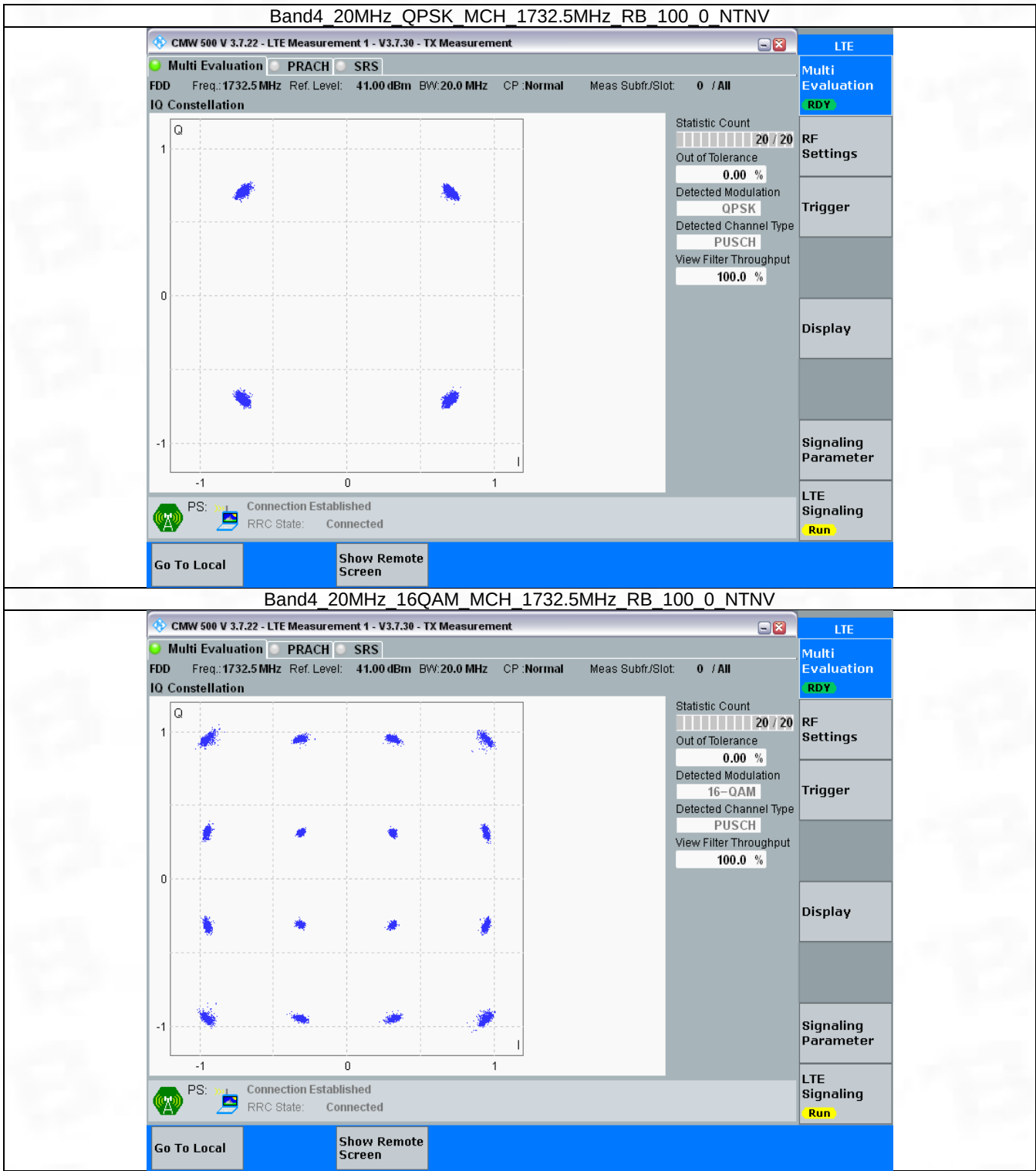


3.6 B4_20MHz

3.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTV						
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	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph



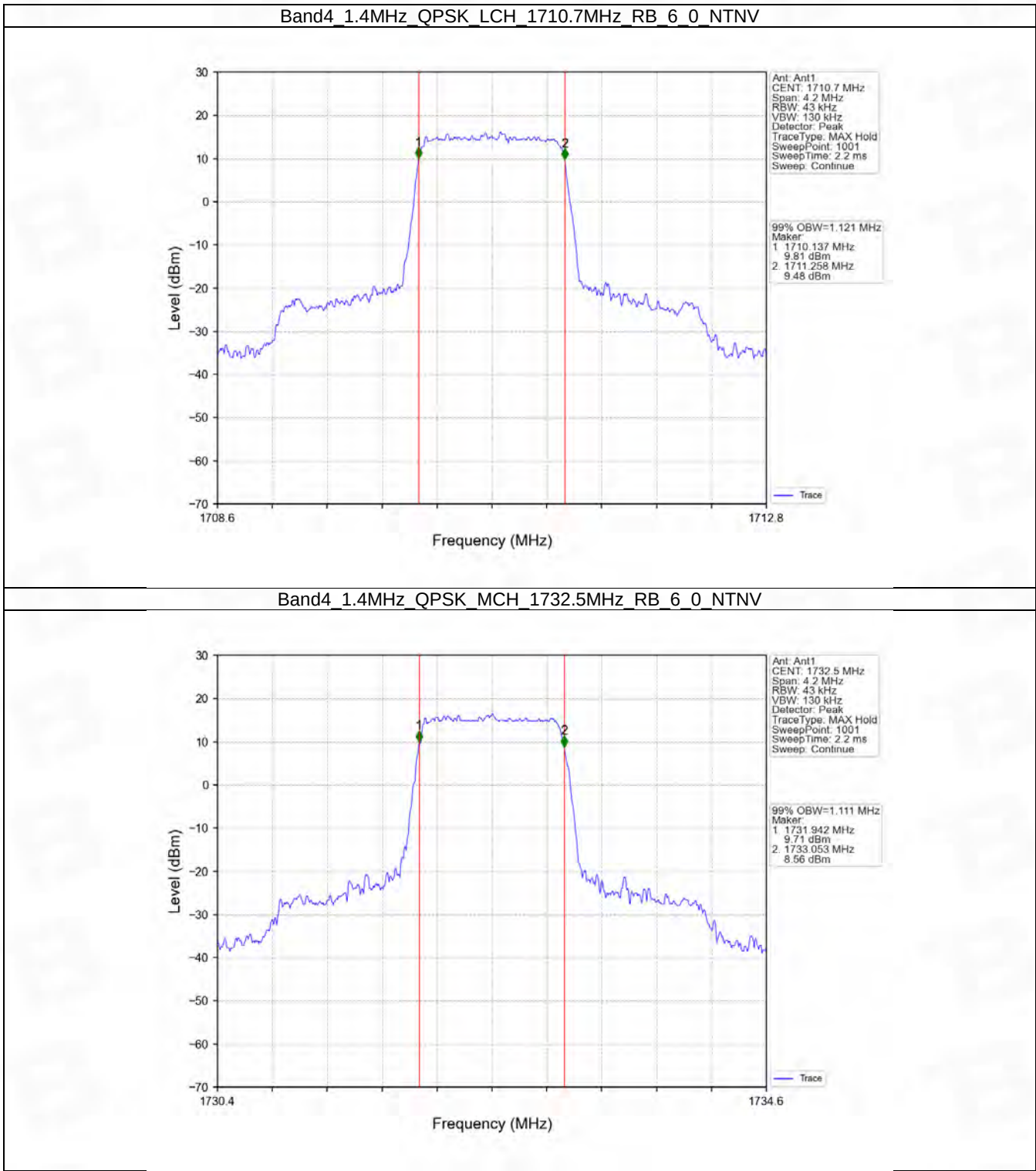
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

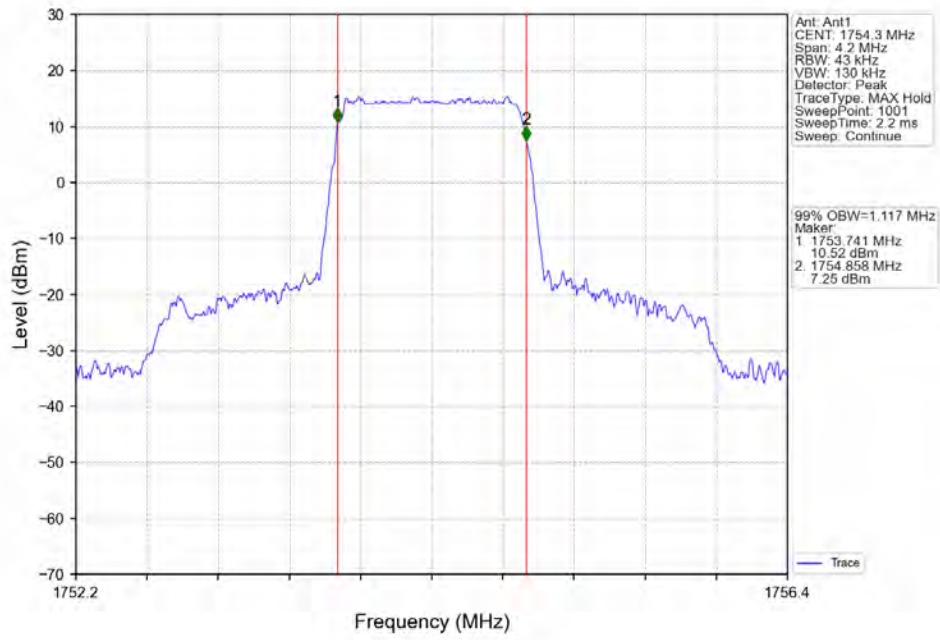
4.1.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.121	/	Pass
		1732.5	6	0	1.111	/	Pass
		1754.3	6	0	1.117	/	Pass
	16QAM	1710.7	6	0	1.106	/	Pass
		1732.5	6	0	1.112	/	Pass
		1754.3	6	0	1.123	/	Pass
3	QPSK	1711.5	15	0	2.764	/	Pass
		1732.5	15	0	2.749	/	Pass
		1753.5	15	0	2.759	/	Pass
	16QAM	1711.5	15	0	2.761	/	Pass
		1732.5	15	0	2.744	/	Pass
		1753.5	15	0	2.762	/	Pass
5	QPSK	1712.5	25	0	4.546	/	Pass
		1732.5	25	0	4.540	/	Pass
		1752.5	25	0	4.567	/	Pass
	16QAM	1712.5	25	0	4.560	/	Pass
		1732.5	25	0	4.564	/	Pass
		1752.5	25	0	4.567	/	Pass
10	QPSK	1715	50	0	9.095	/	Pass
		1732.5	50	0	9.032	/	Pass
		1750	50	0	9.093	/	Pass
	16QAM	1715	50	0	9.110	/	Pass
		1732.5	50	0	9.044	/	Pass
		1750	50	0	9.090	/	Pass
15	QPSK	1717.5	75	0	13.634	/	Pass
		1732.5	75	0	13.592	/	Pass
		1747.5	75	0	13.615	/	Pass
	16QAM	1717.5	75	0	13.662	/	Pass
		1732.5	75	0	13.600	/	Pass
		1747.5	75	0	13.597	/	Pass
20	QPSK	1720	100	0	18.174	/	Pass
		1732.5	100	0	18.128	/	Pass
		1745	100	0	18.155	/	Pass
	16QAM	1720	100	0	18.153	/	Pass
		1732.5	100	0	18.080	/	Pass
		1745	100	0	18.177	/	Pass

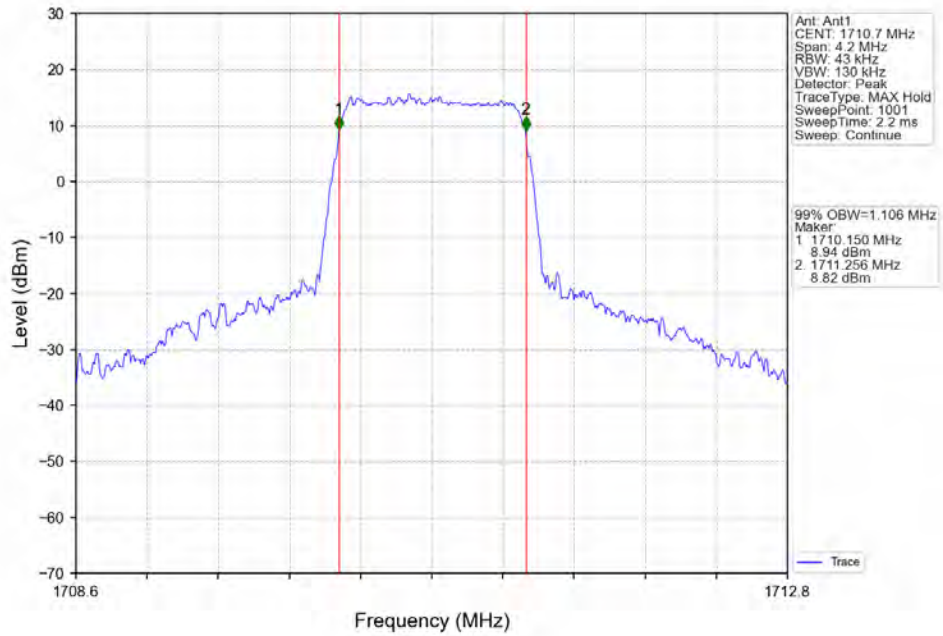
4.1.2 Test Graph



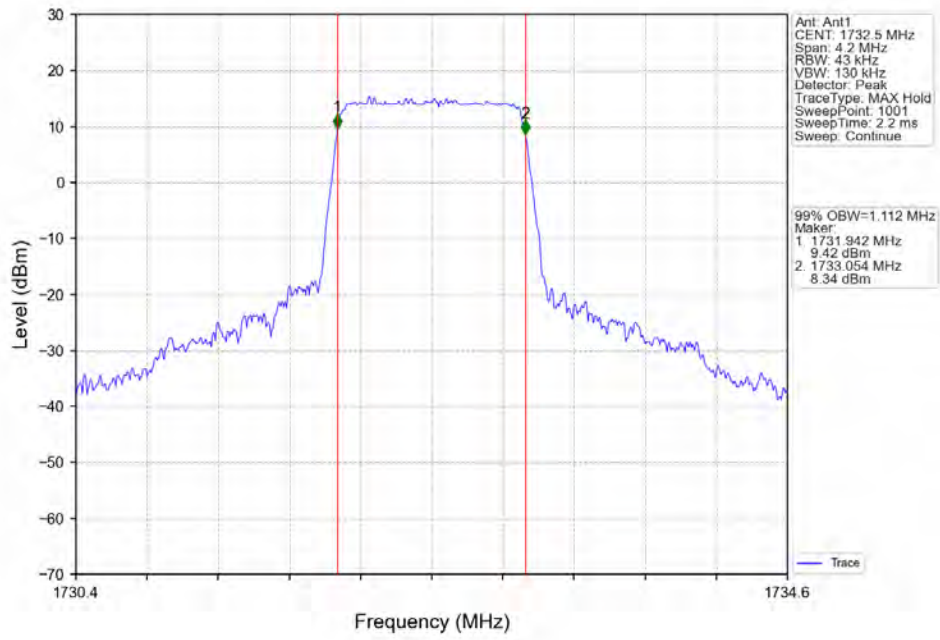
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



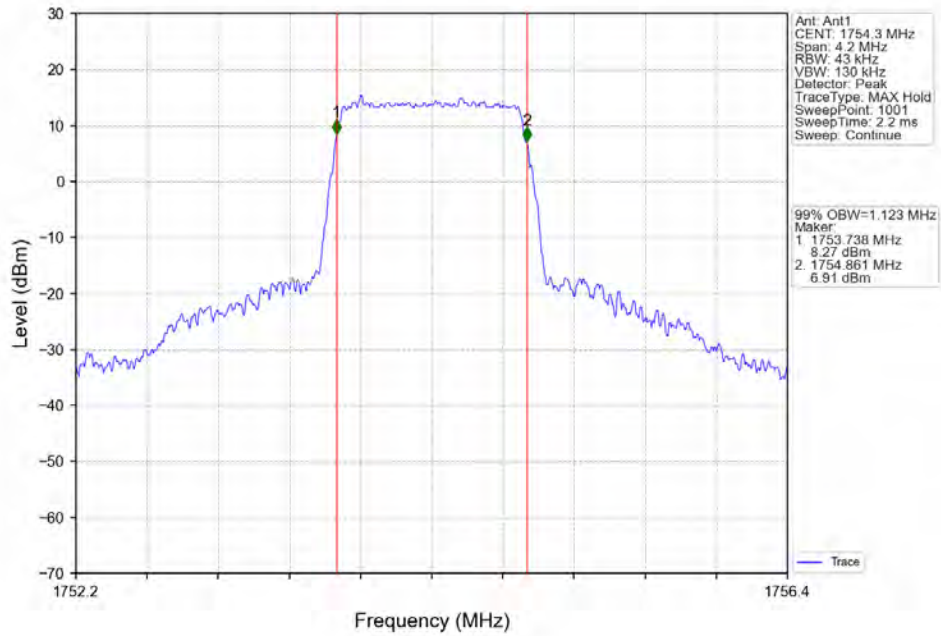
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



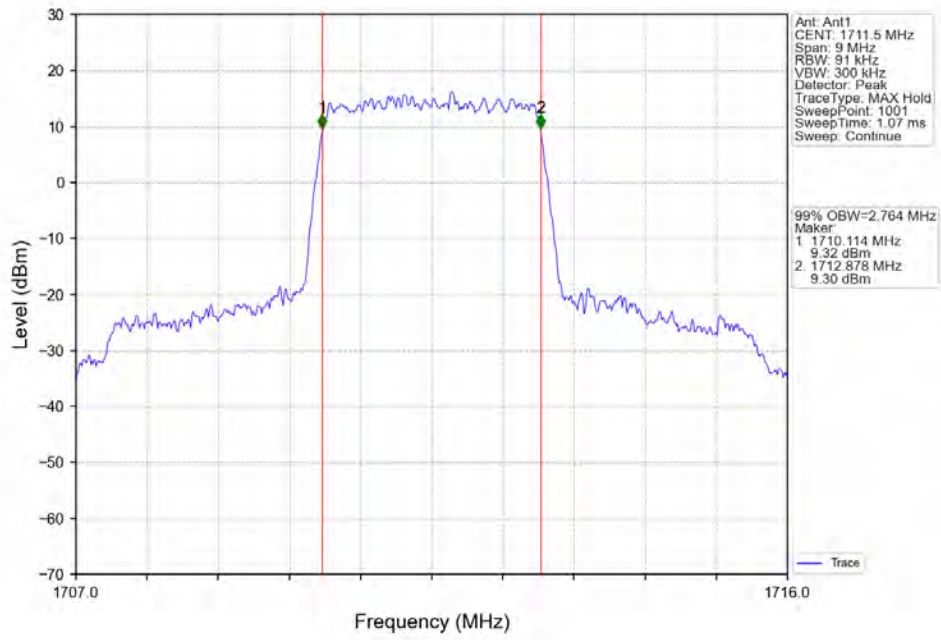
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



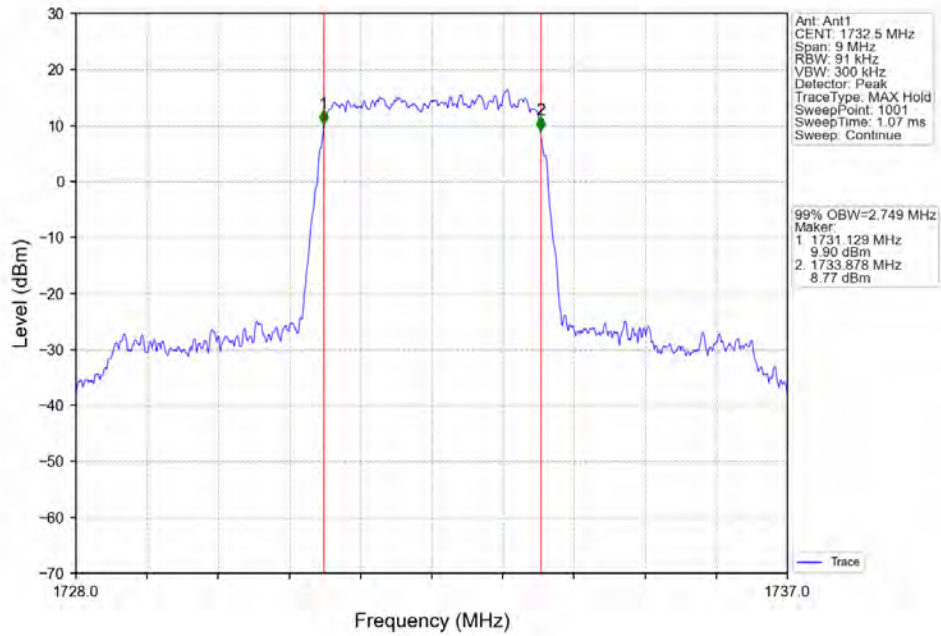
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



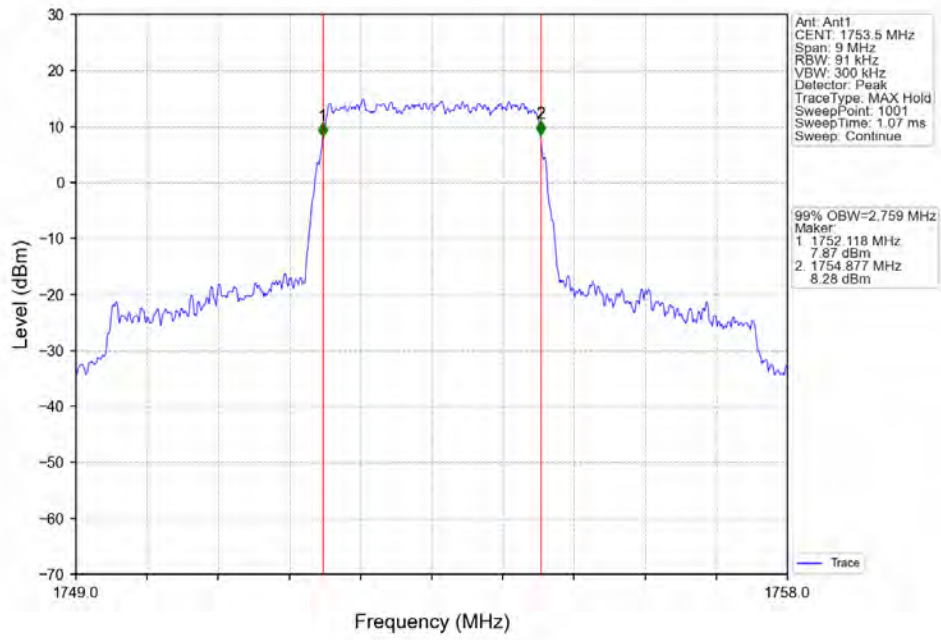
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTN



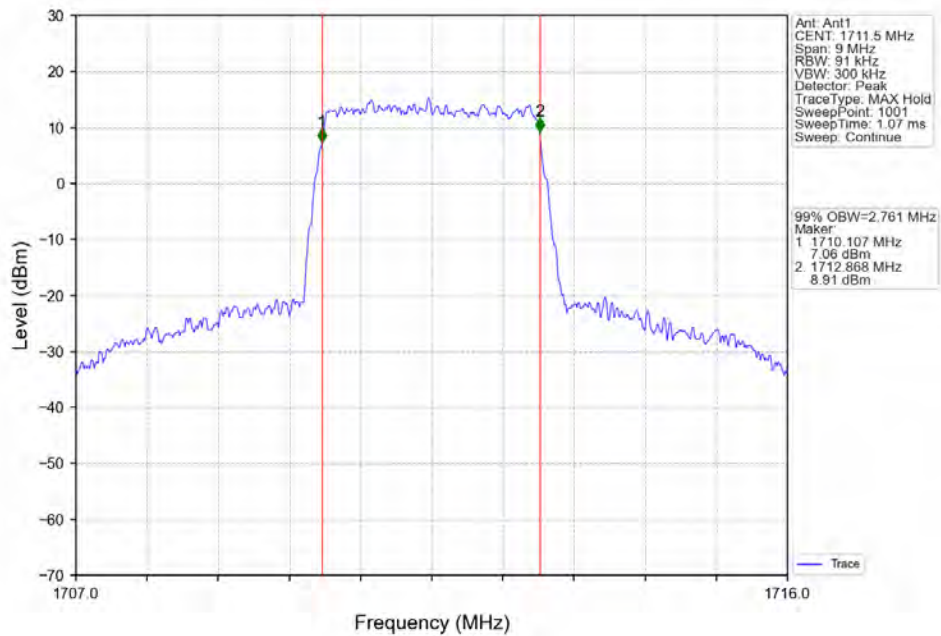
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTN



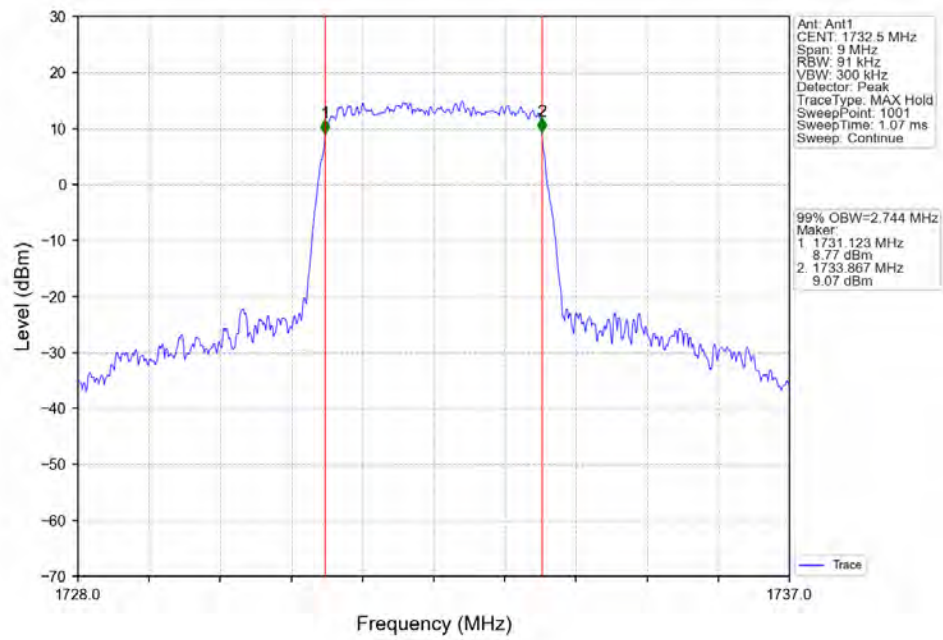
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



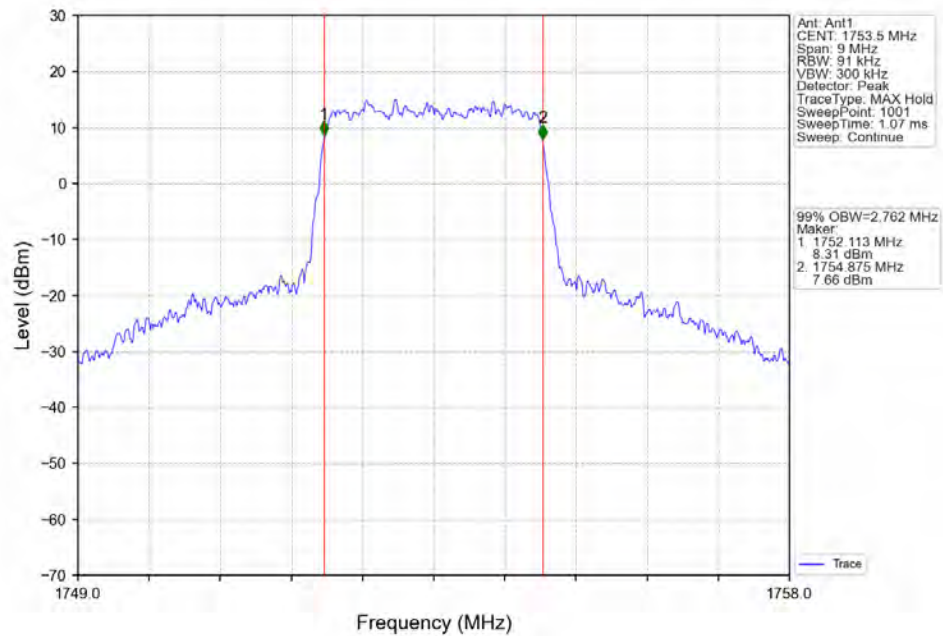
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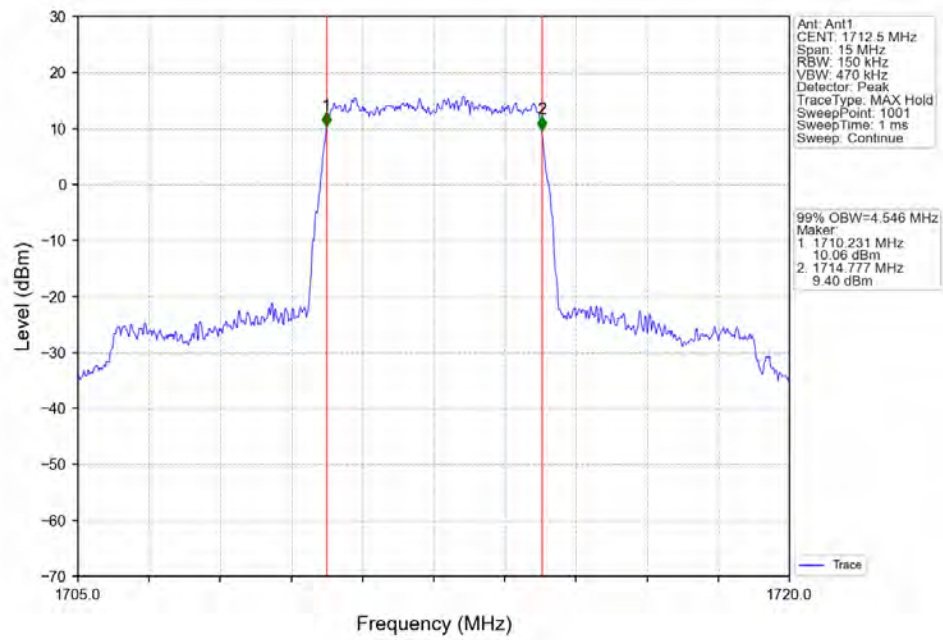
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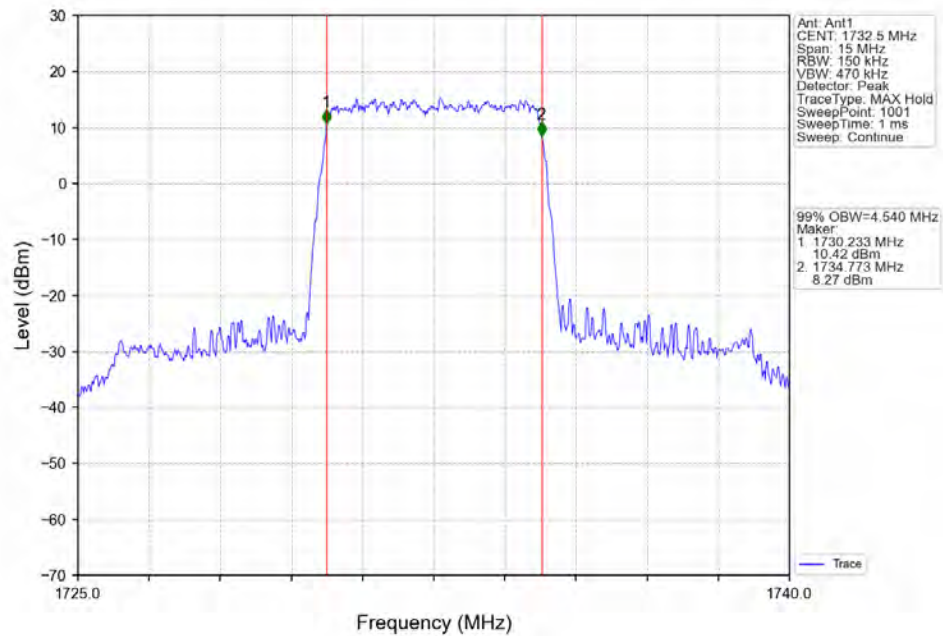
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



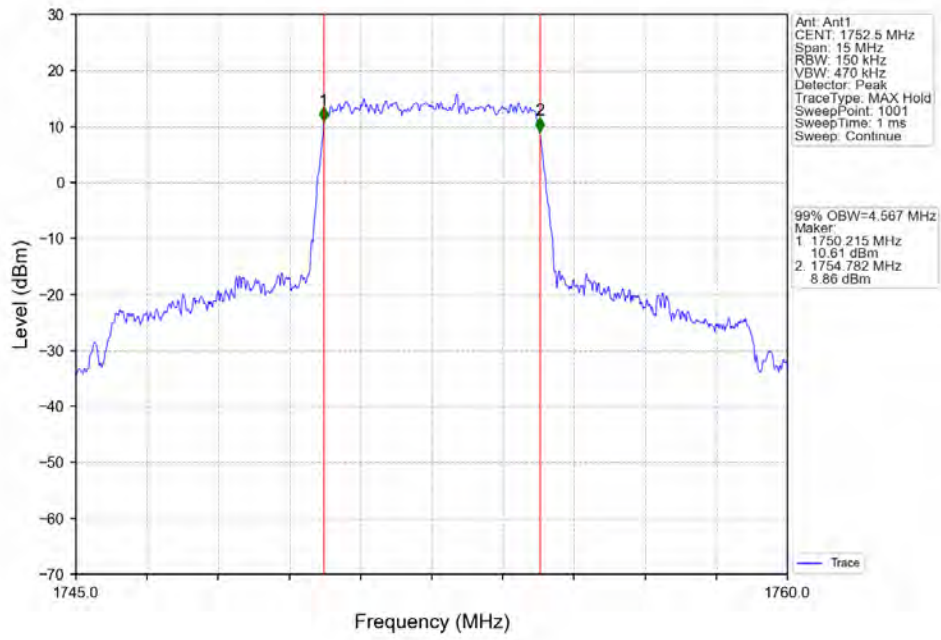
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



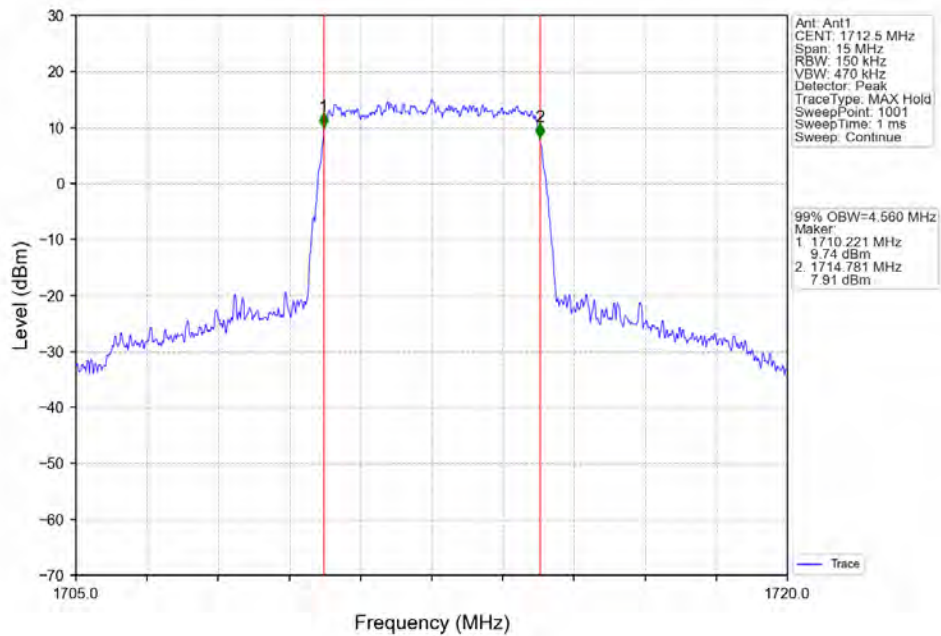
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



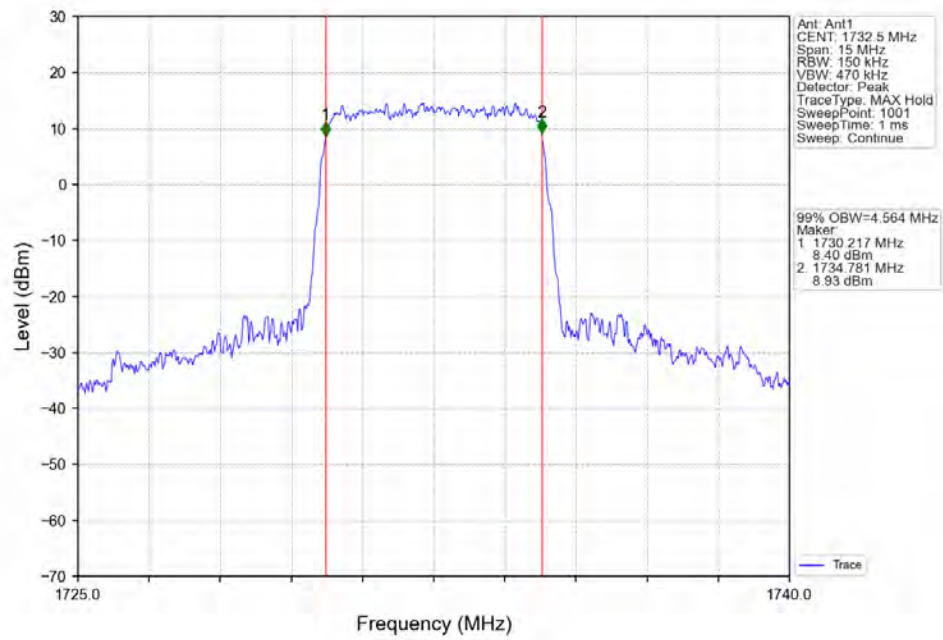
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



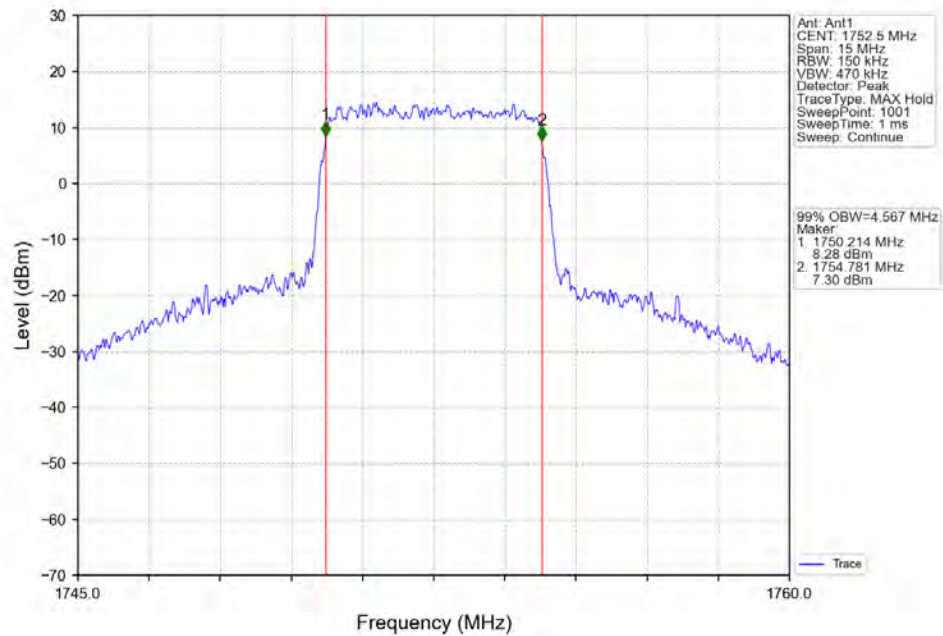
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



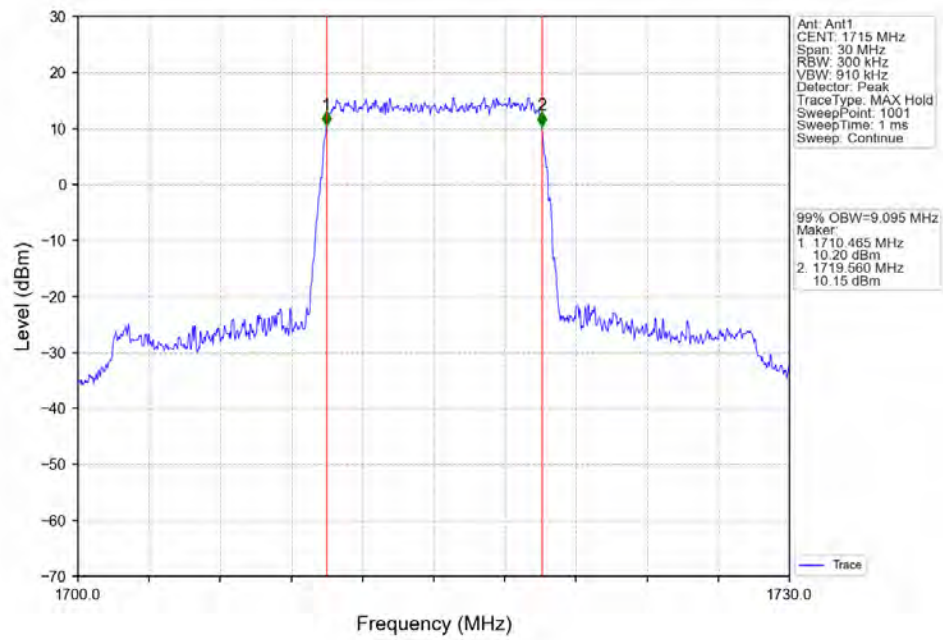
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



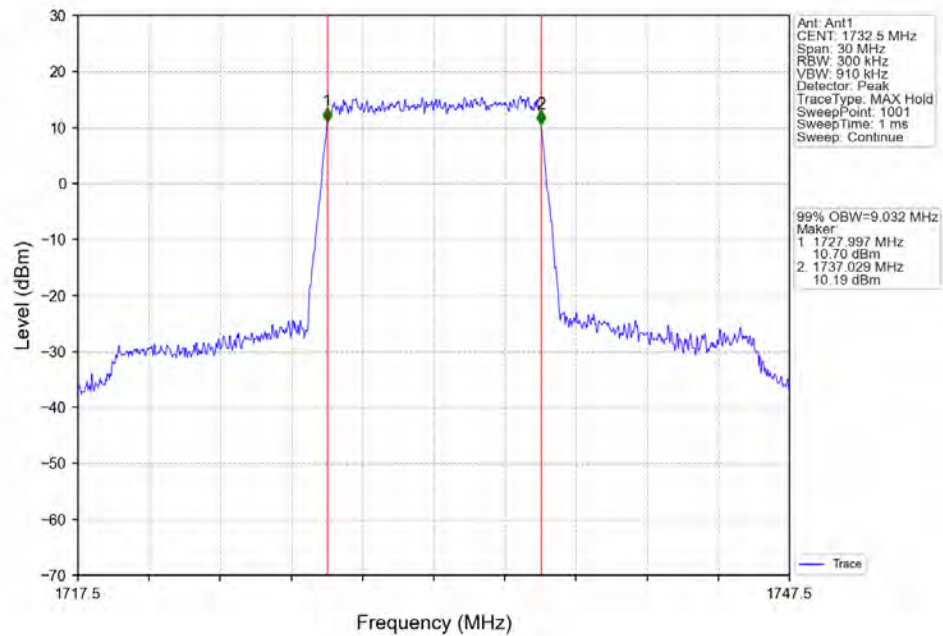
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



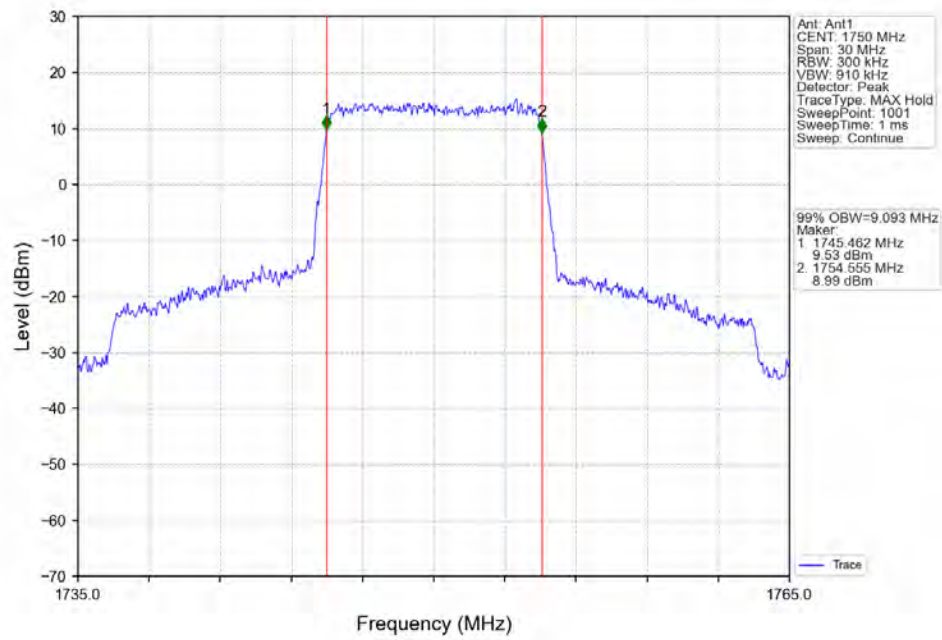
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



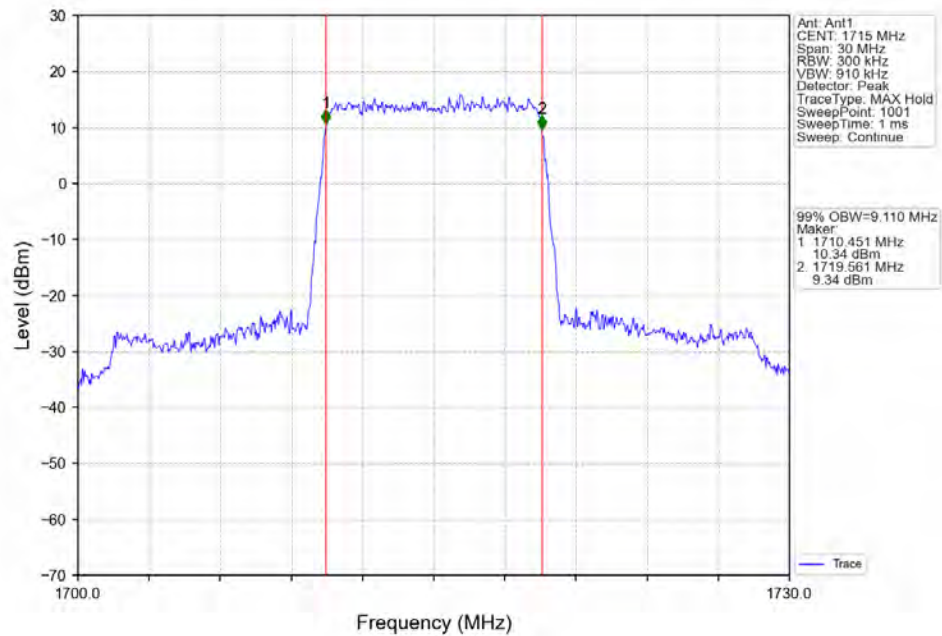
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



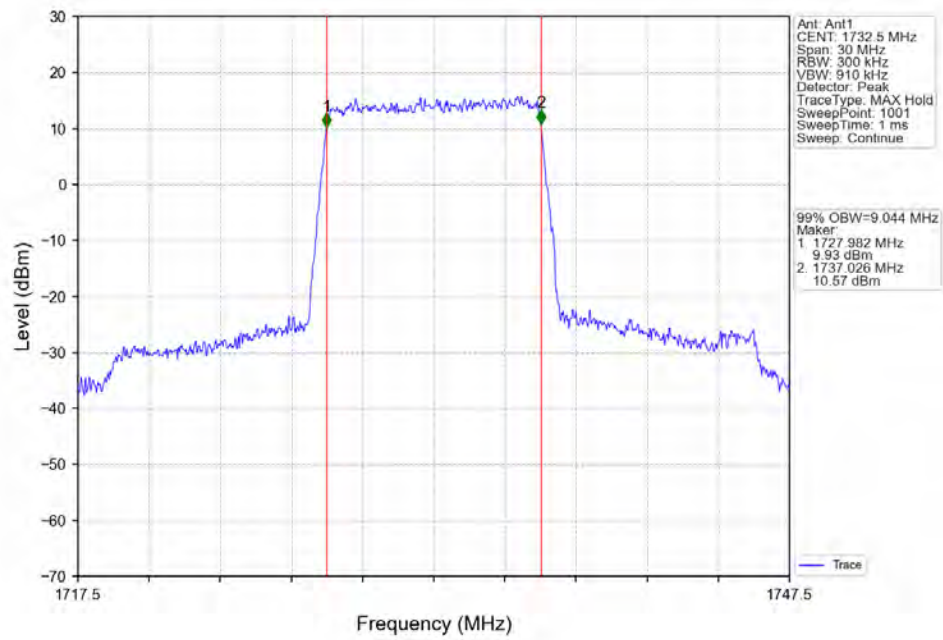
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



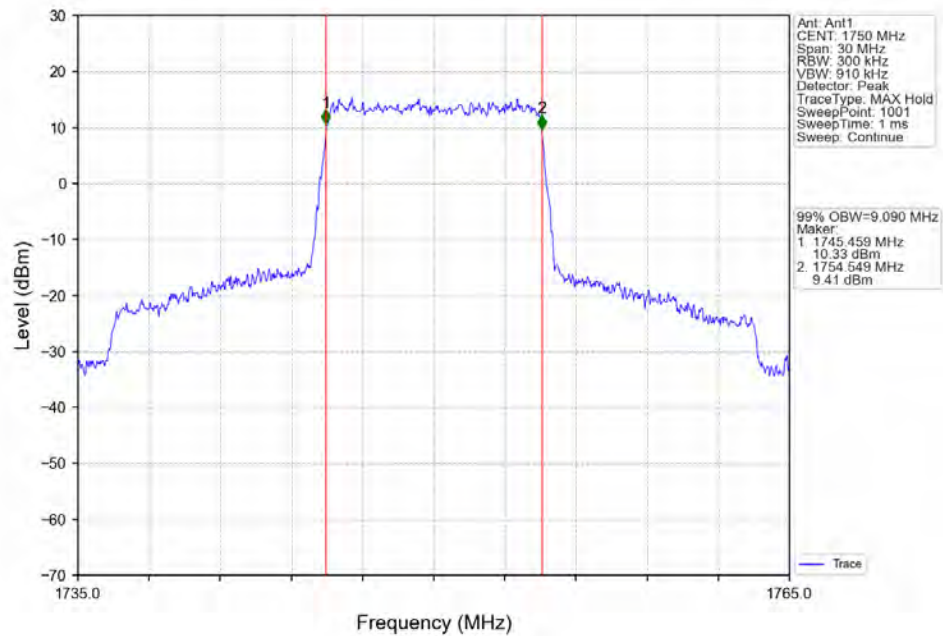
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



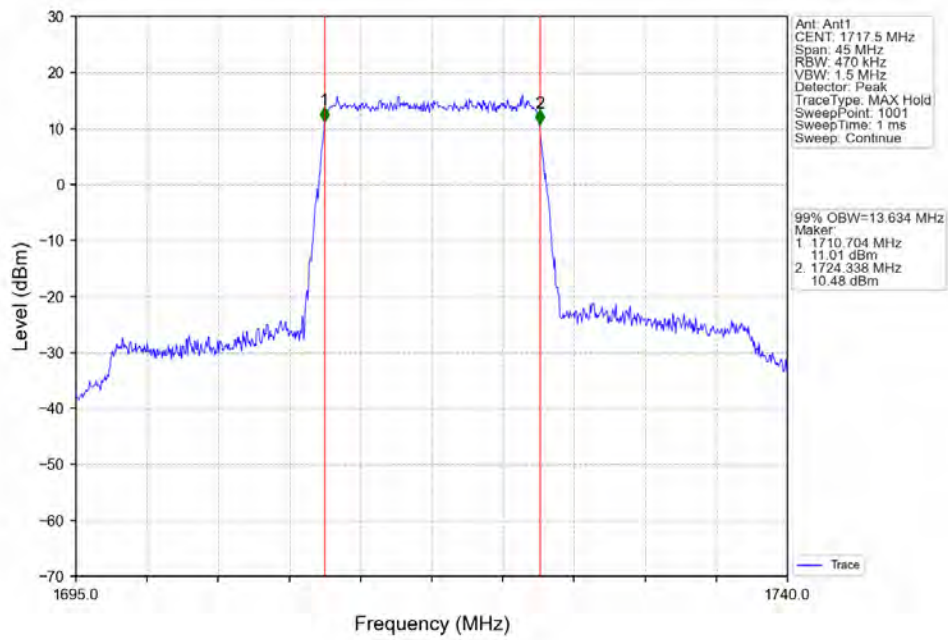
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



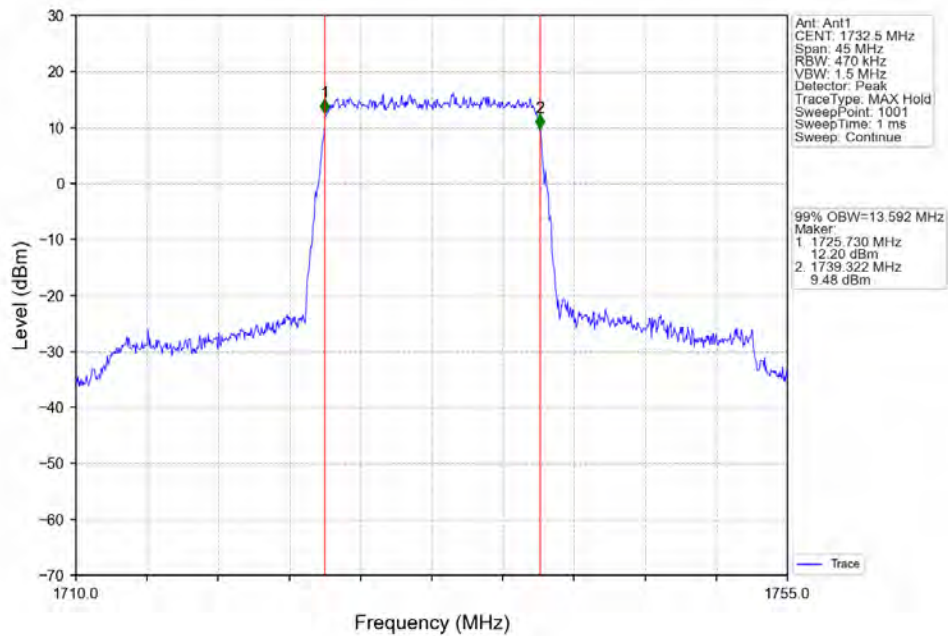
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



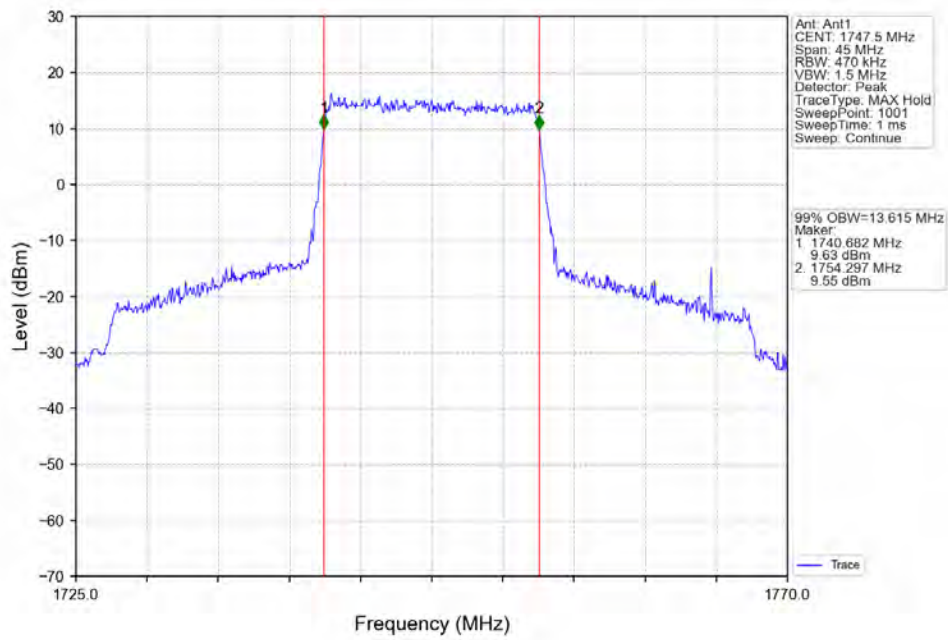
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



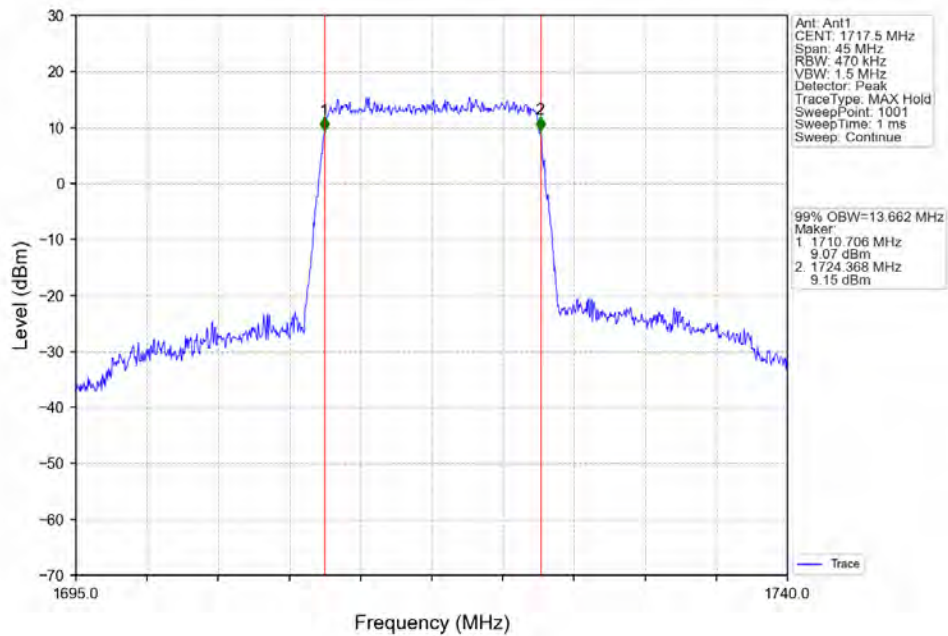
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



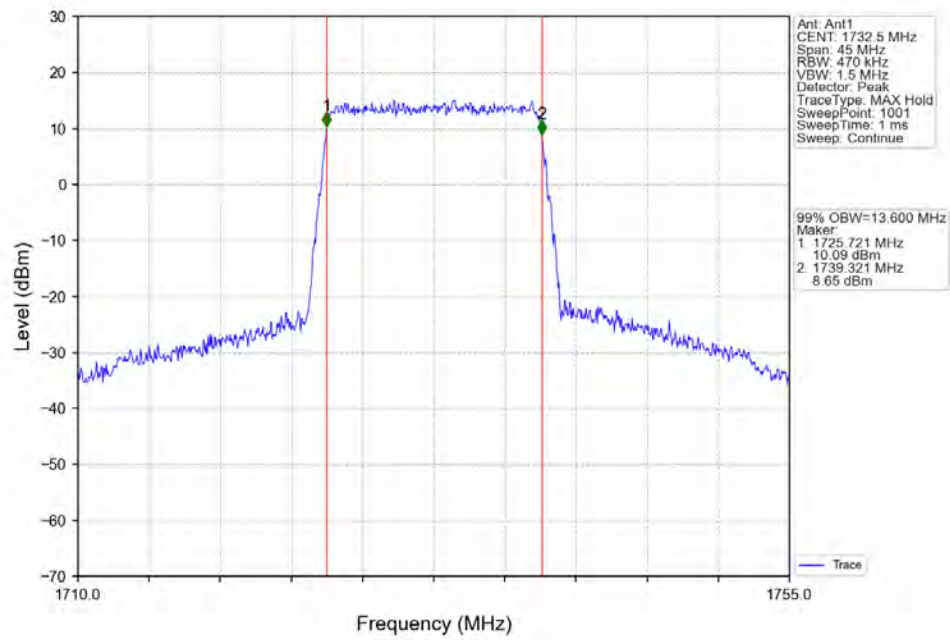
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



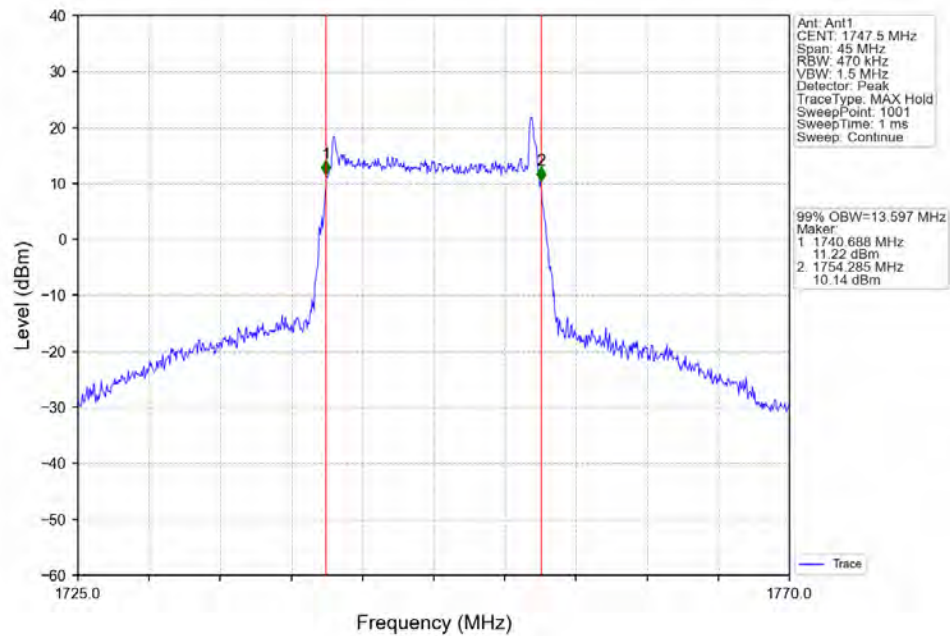
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



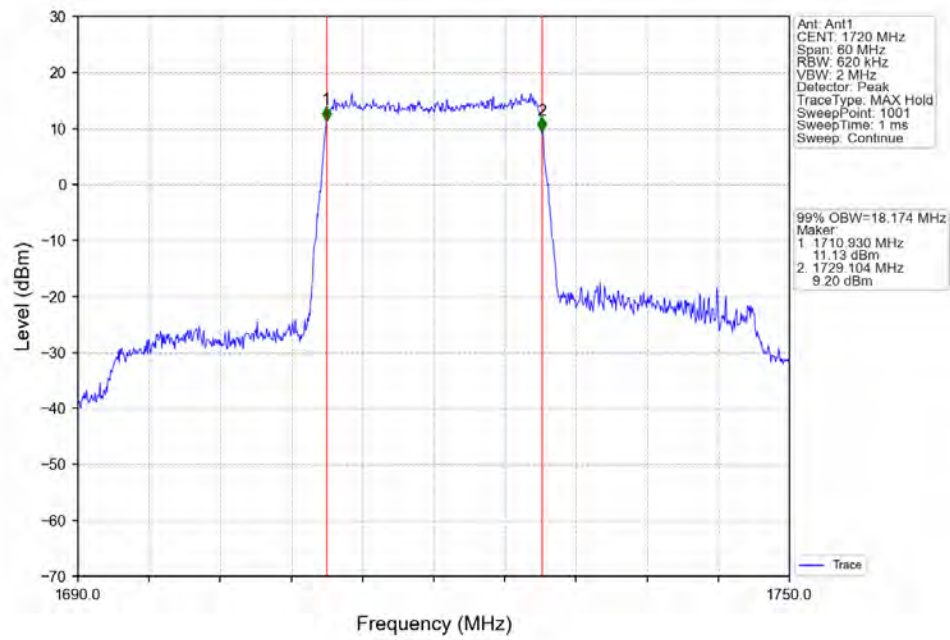
Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



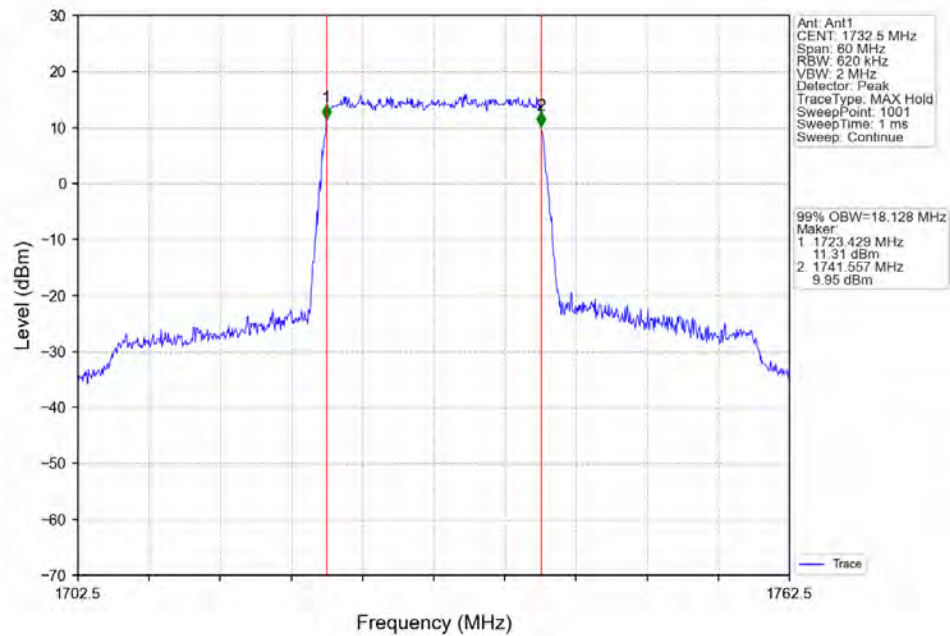
Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV



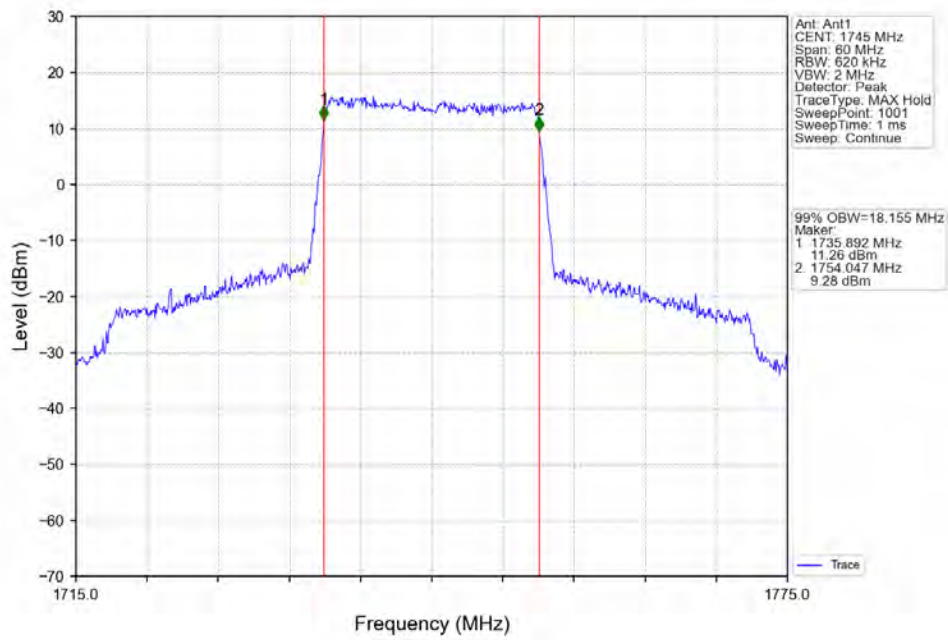
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



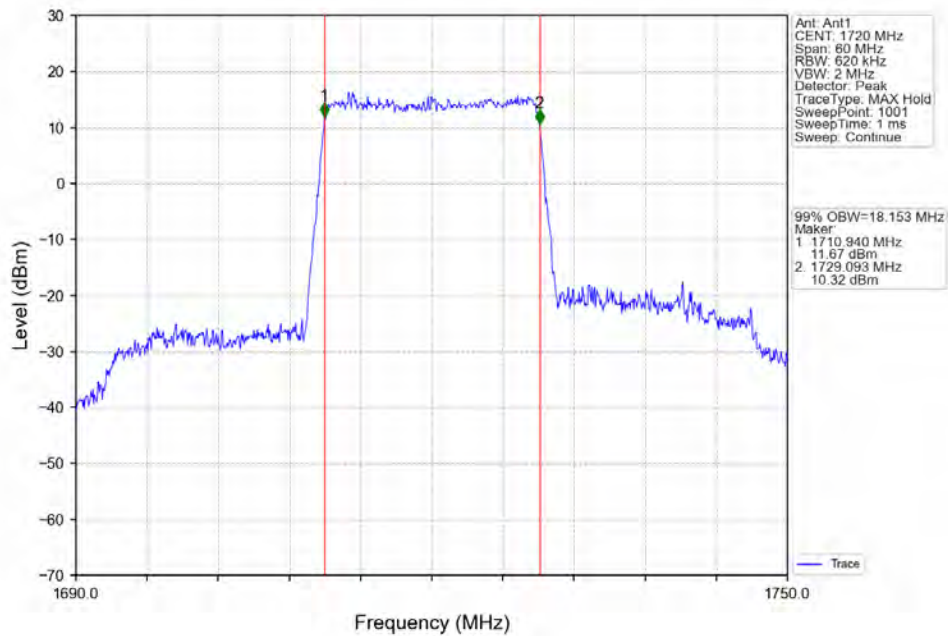
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



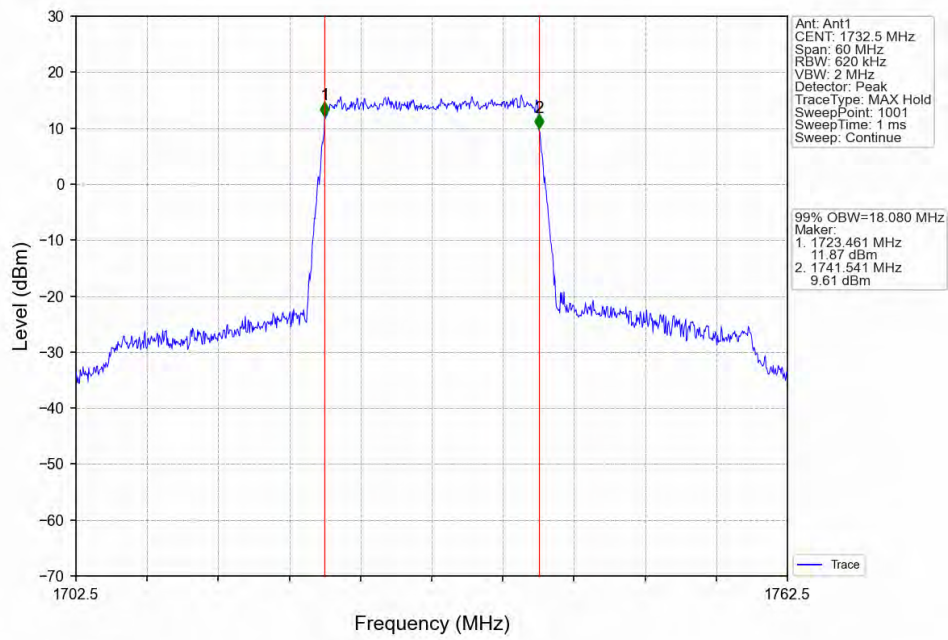
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



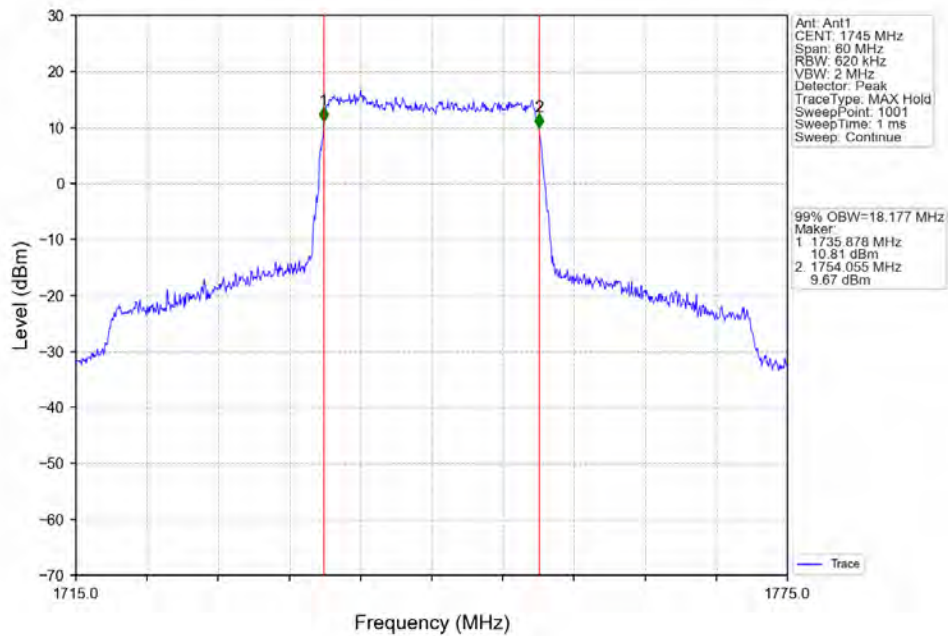
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV

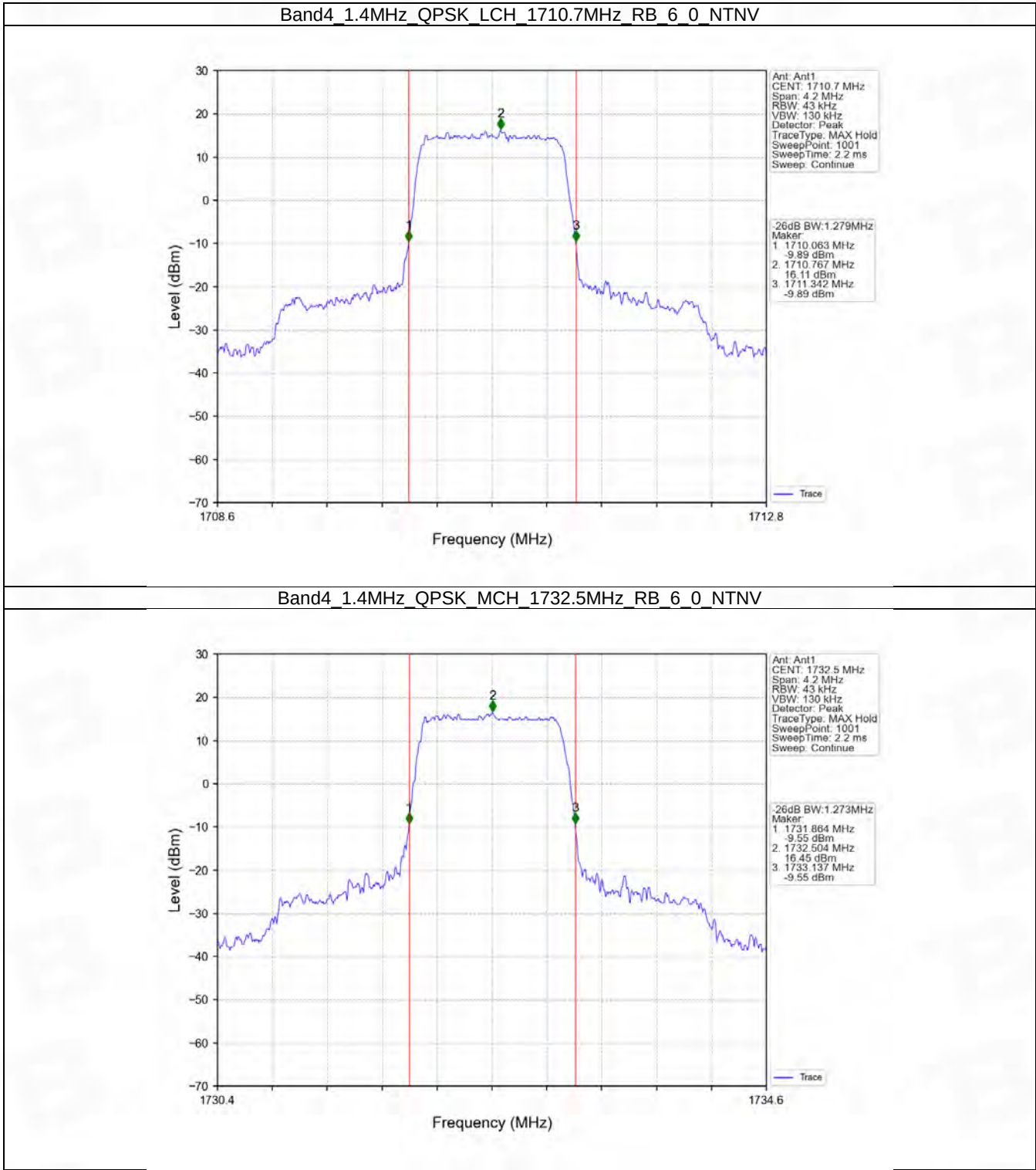


4.2 Band4_XDB

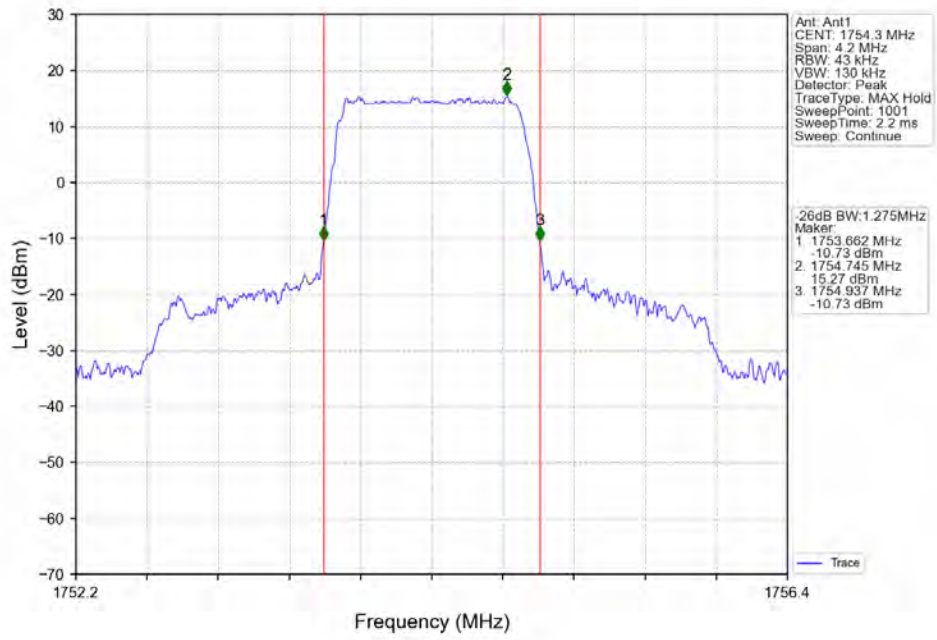
4.2.1 Test Result

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	1.279	/	Pass
		1732.5	6	0	1.273	/	Pass
		1754.3	6	0	1.275	/	Pass
	16QAM	1710.7	6	0	1.275	/	Pass
		1732.5	6	0	1.269	/	Pass
		1754.3	6	0	1.285	/	Pass
3	QPSK	1711.5	15	0	3.101	/	Pass
		1732.5	15	0	3.066	/	Pass
		1753.5	15	0	3.127	/	Pass
	16QAM	1711.5	15	0	3.113	/	Pass
		1732.5	15	0	3.097	/	Pass
		1753.5	15	0	3.092	/	Pass
5	QPSK	1712.5	25	0	5.084	/	Pass
		1732.5	25	0	5.064	/	Pass
		1752.5	25	0	5.052	/	Pass
	16QAM	1712.5	25	0	5.078	/	Pass
		1732.5	25	0	5.057	/	Pass
		1752.5	25	0	5.068	/	Pass
10	QPSK	1715	50	0	10.011	/	Pass
		1732.5	50	0	10.027	/	Pass
		1750	50	0	10.096	/	Pass
	16QAM	1715	50	0	9.991	/	Pass
		1732.5	50	0	10.050	/	Pass
		1750	50	0	10.098	/	Pass
15	QPSK	1717.5	75	0	15.091	/	Pass
		1732.5	75	0	15.144	/	Pass
		1747.5	75	0	15.333	/	Pass
	16QAM	1717.5	75	0	15.148	/	Pass
		1732.5	75	0	15.268	/	Pass
		1747.5	75	0	14.606	/	Pass
20	QPSK	1720	100	0	19.915	/	Pass
		1732.5	100	0	20.013	/	Pass
		1745	100	0	20.155	/	Pass
	16QAM	1720	100	0	20.041	/	Pass
		1732.5	100	0	20.053	/	Pass
		1745	100	0	19.979	/	Pass

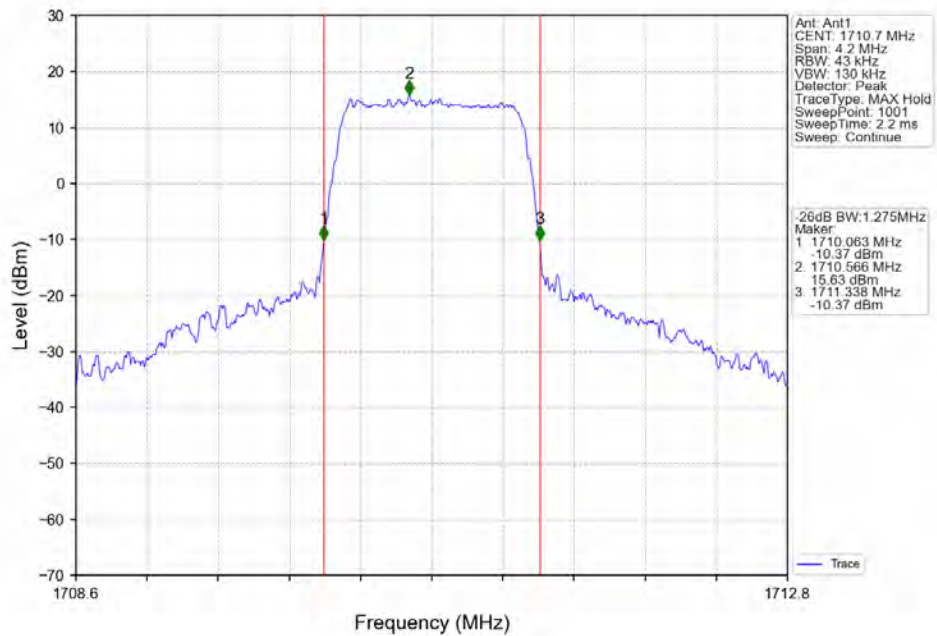
4.2.2 Test Graph



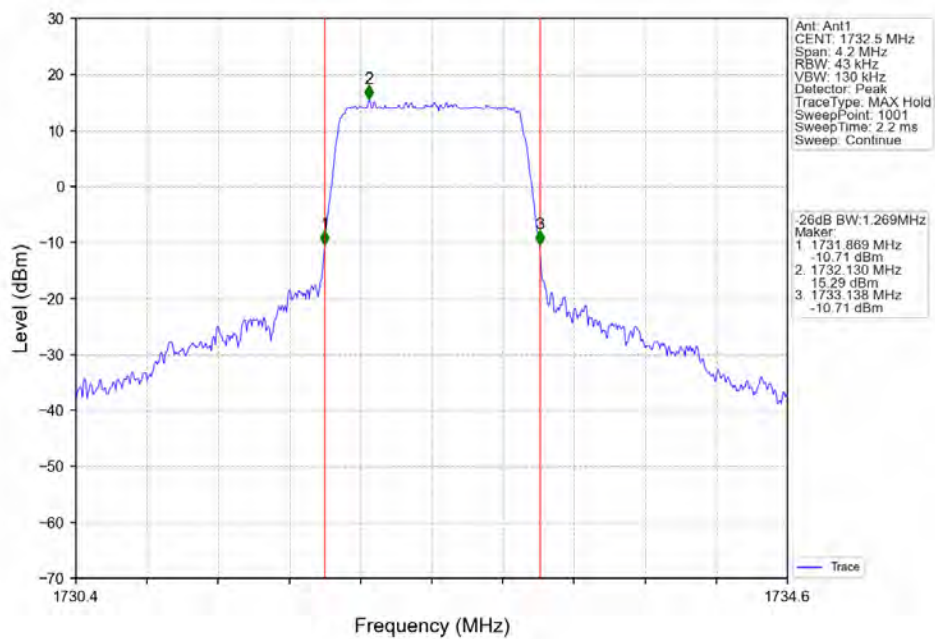
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



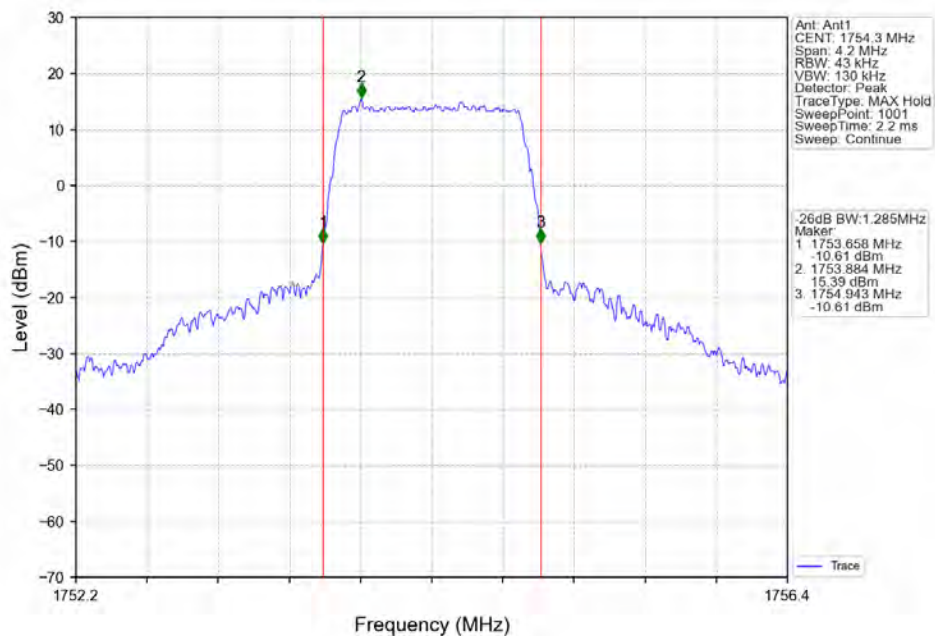
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



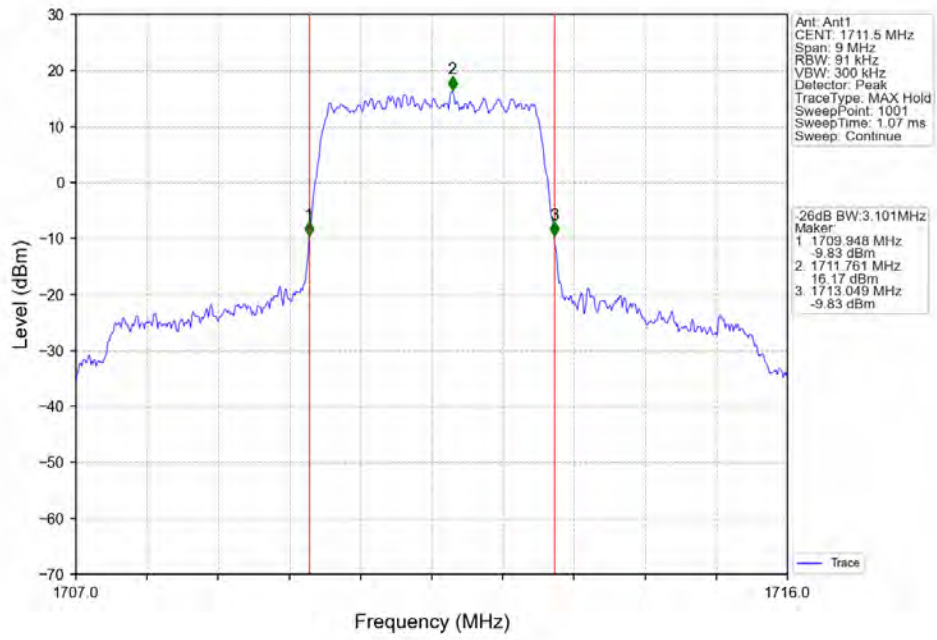
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



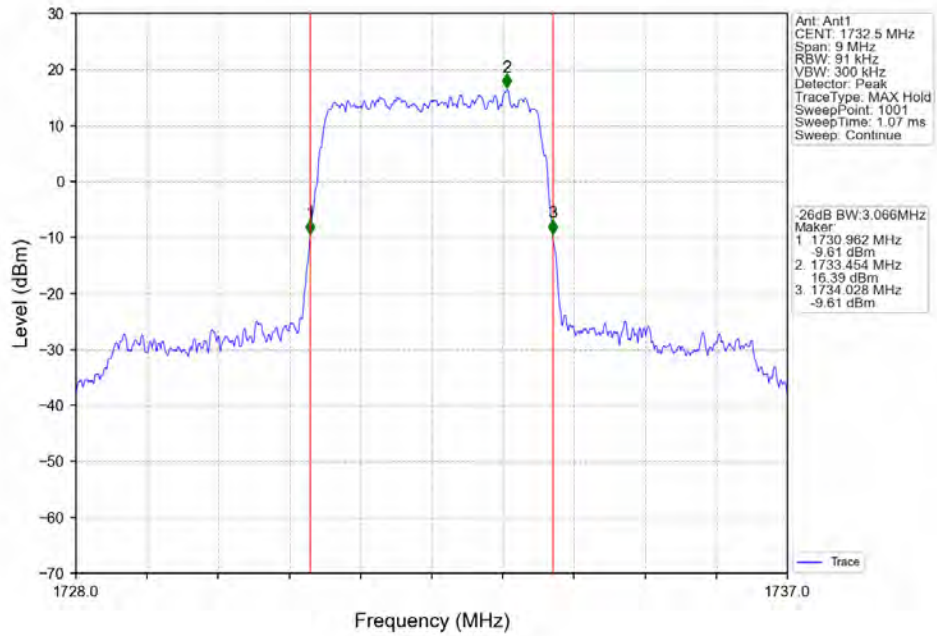
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



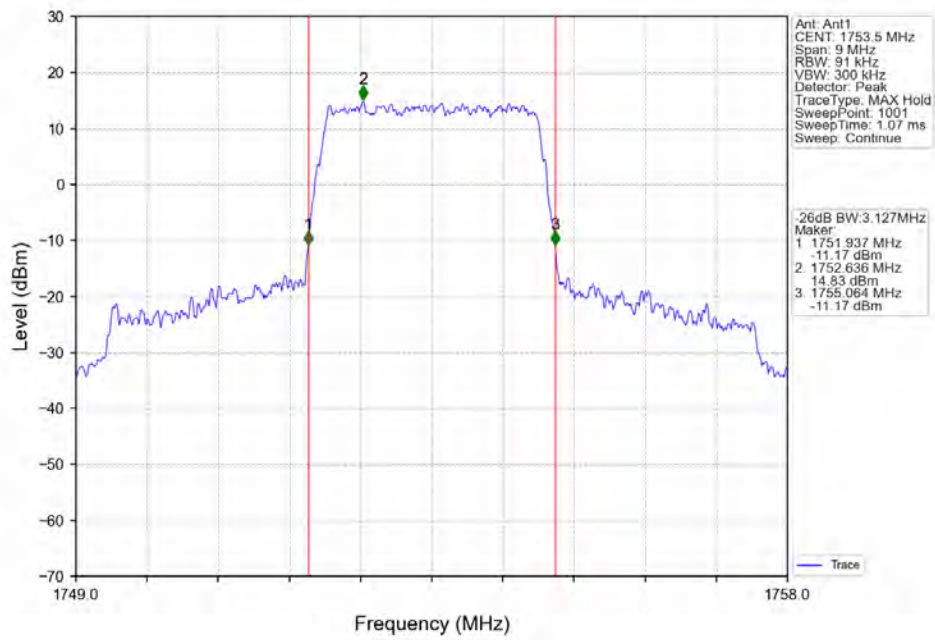
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTN



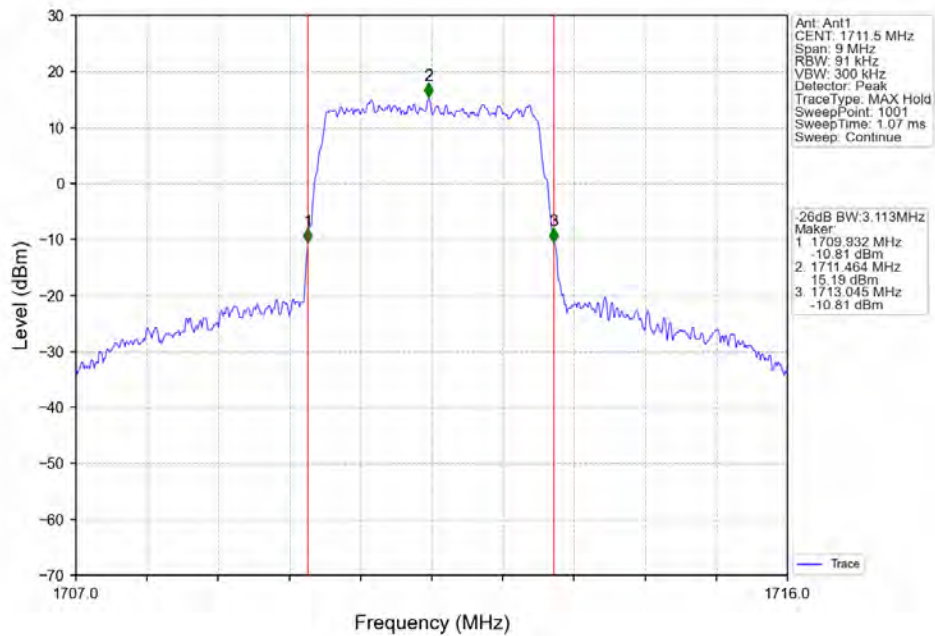
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTN



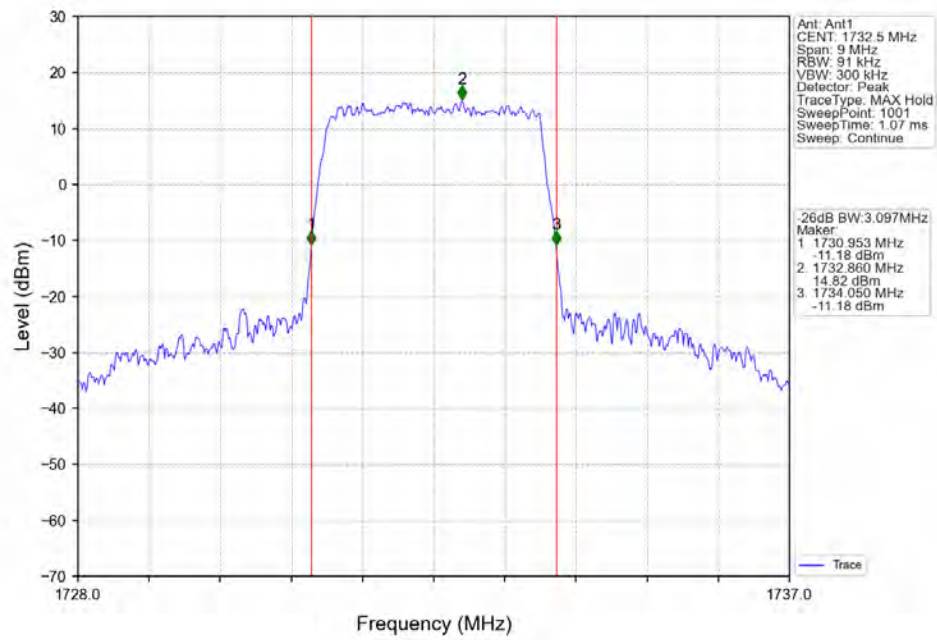
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



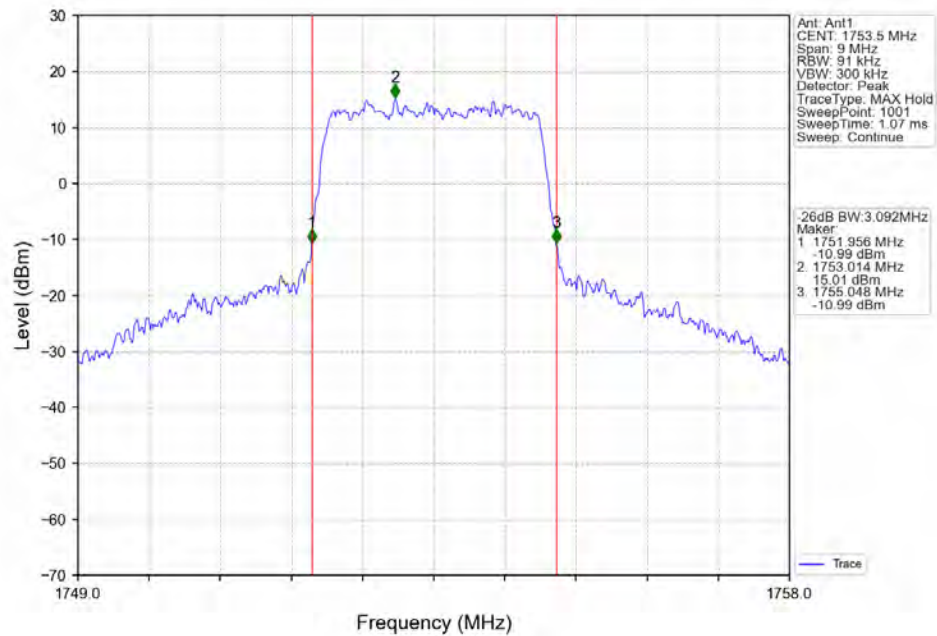
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



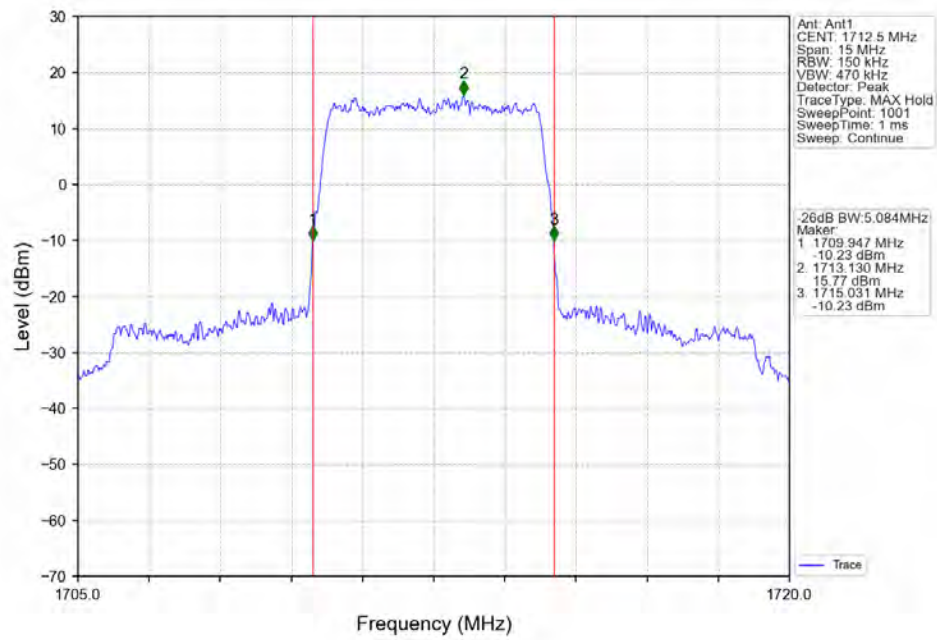
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



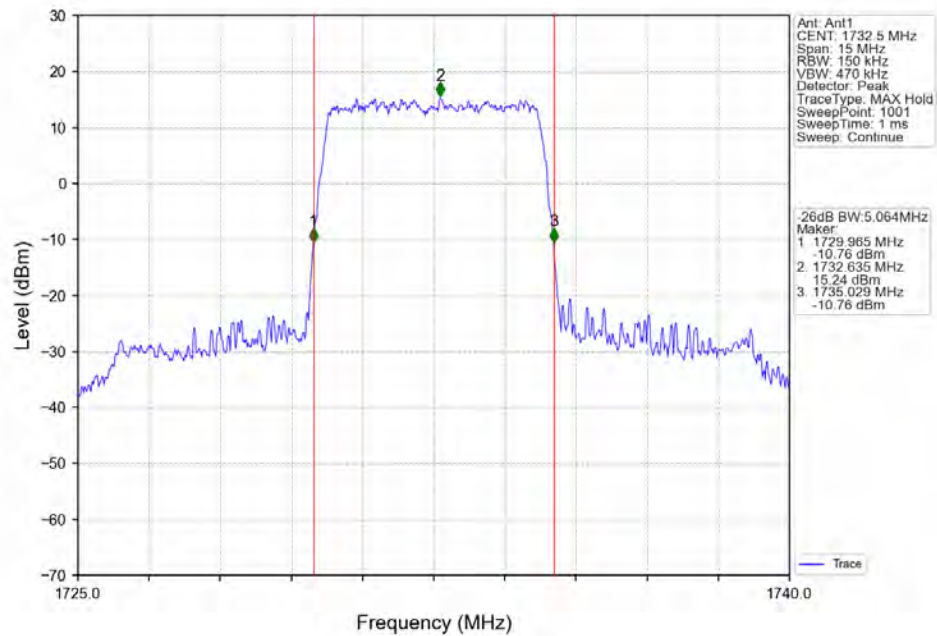
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



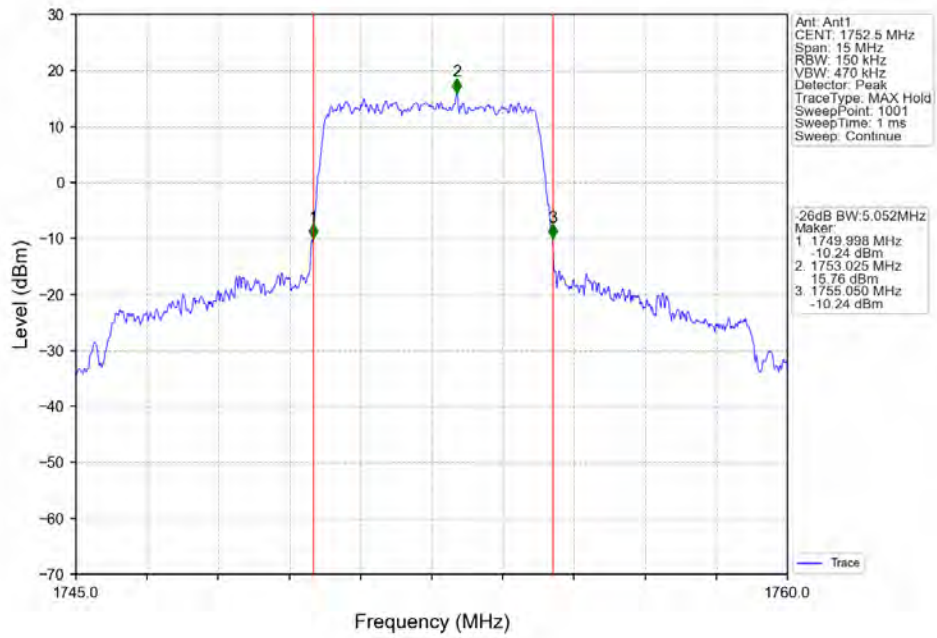
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



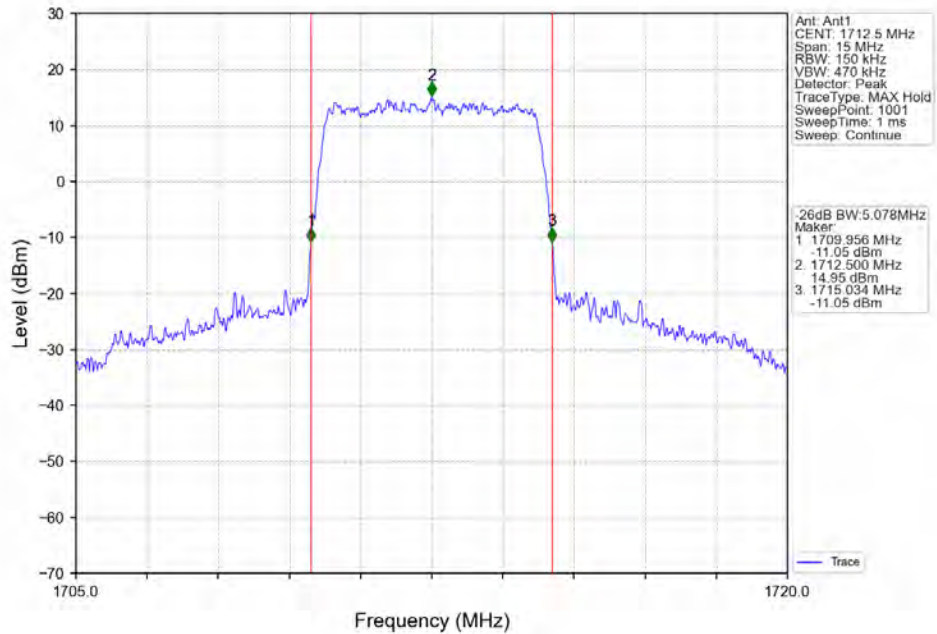
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



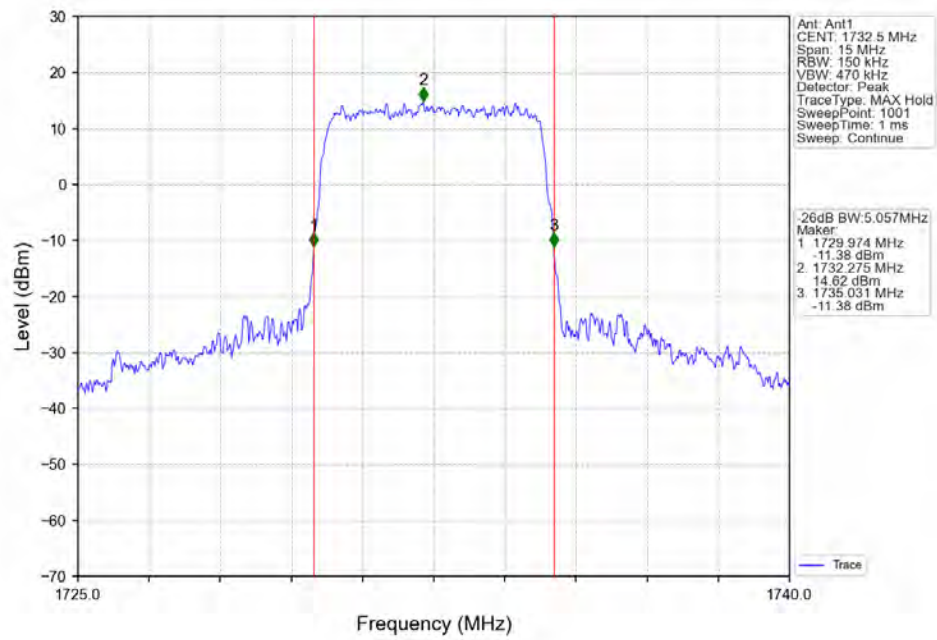
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



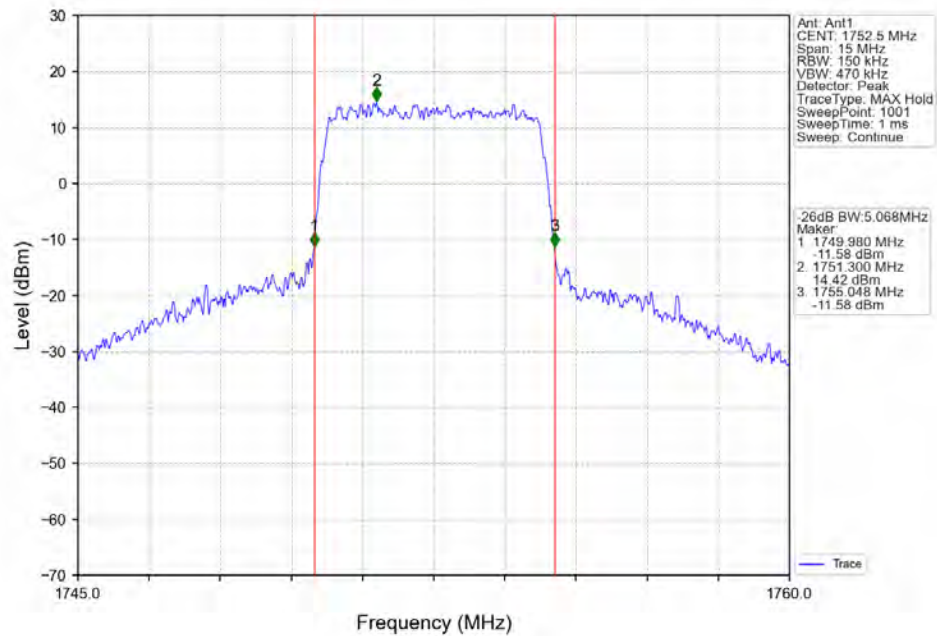
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



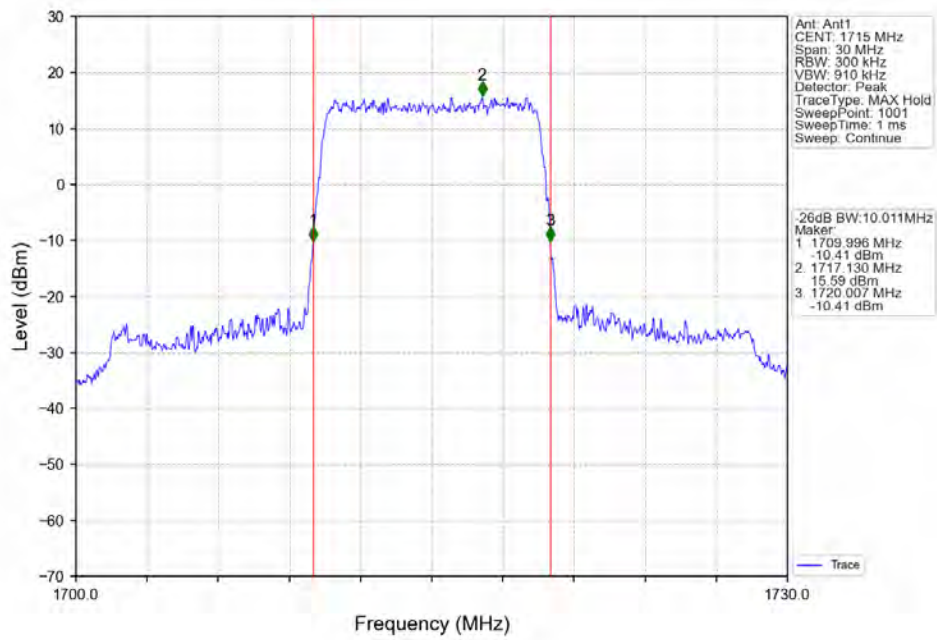
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



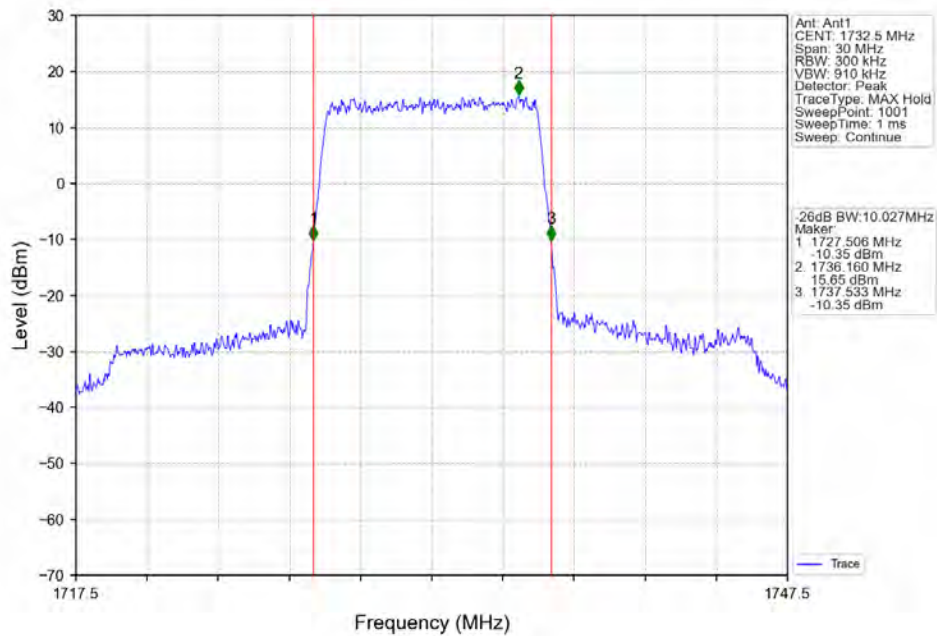
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



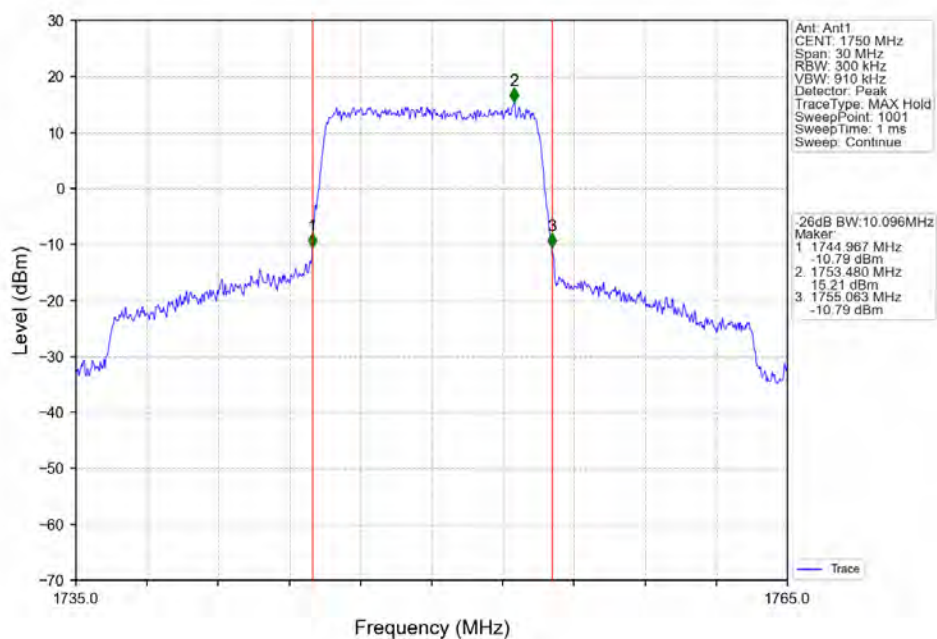
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



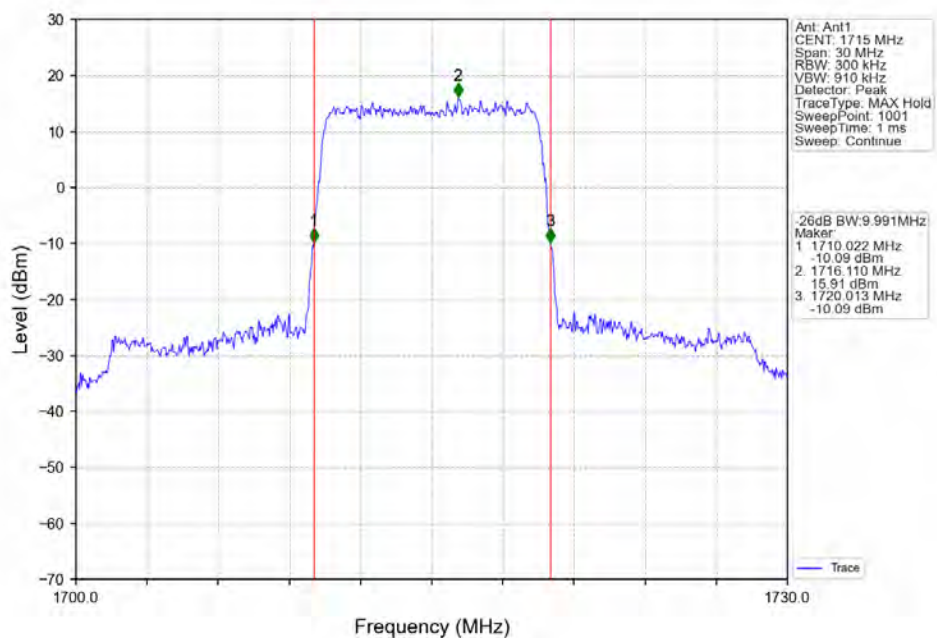
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



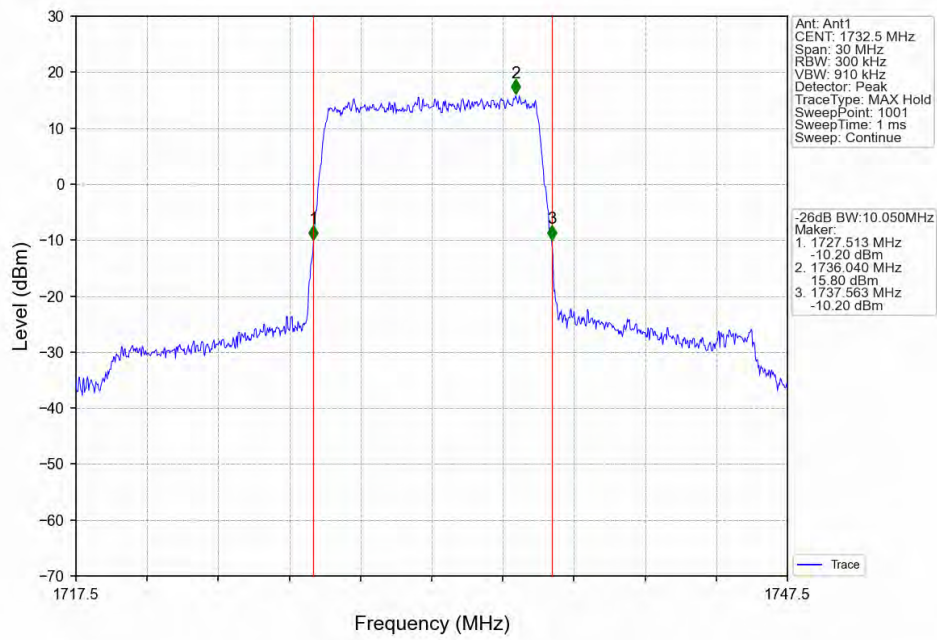
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



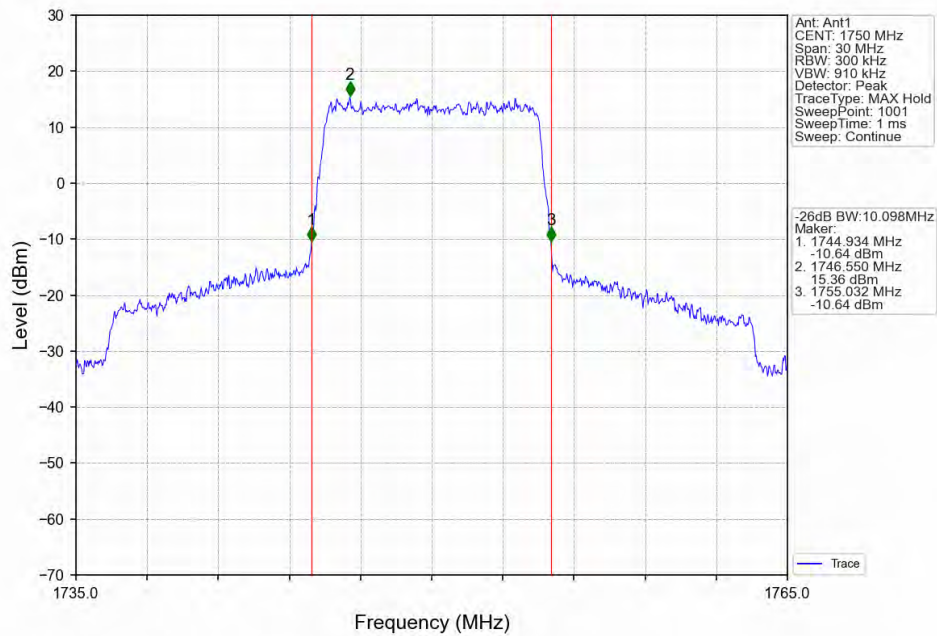
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



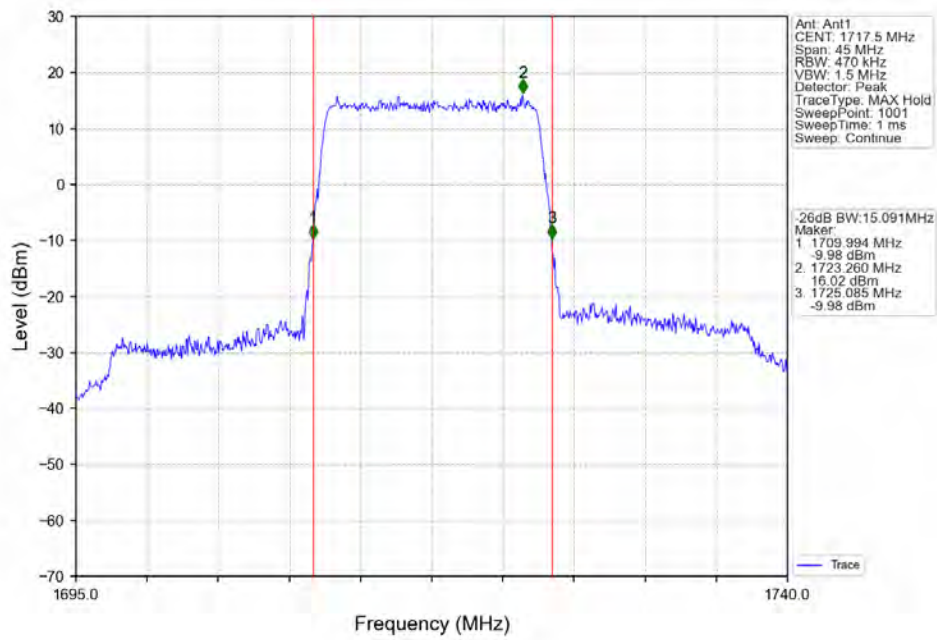
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



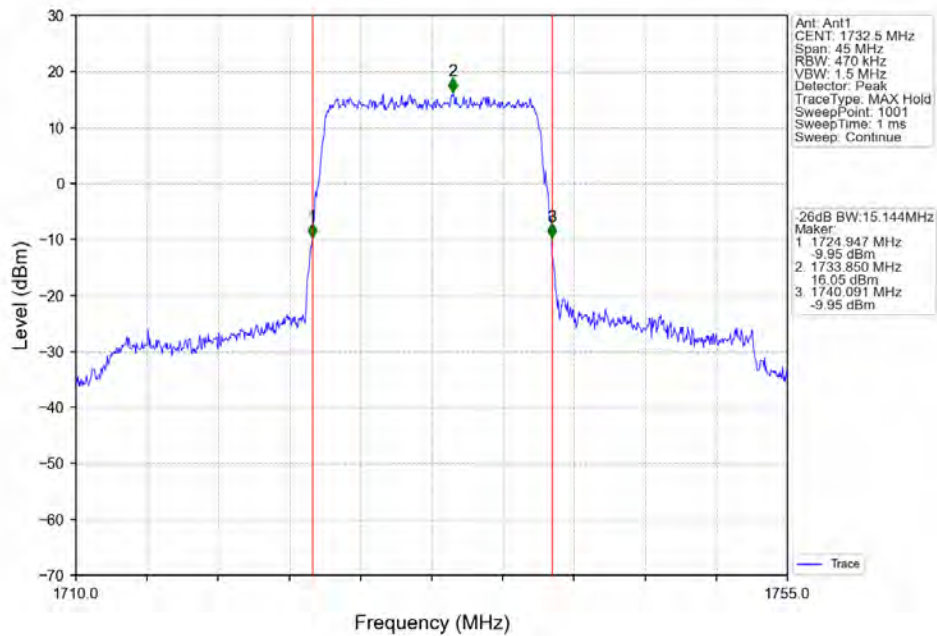
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



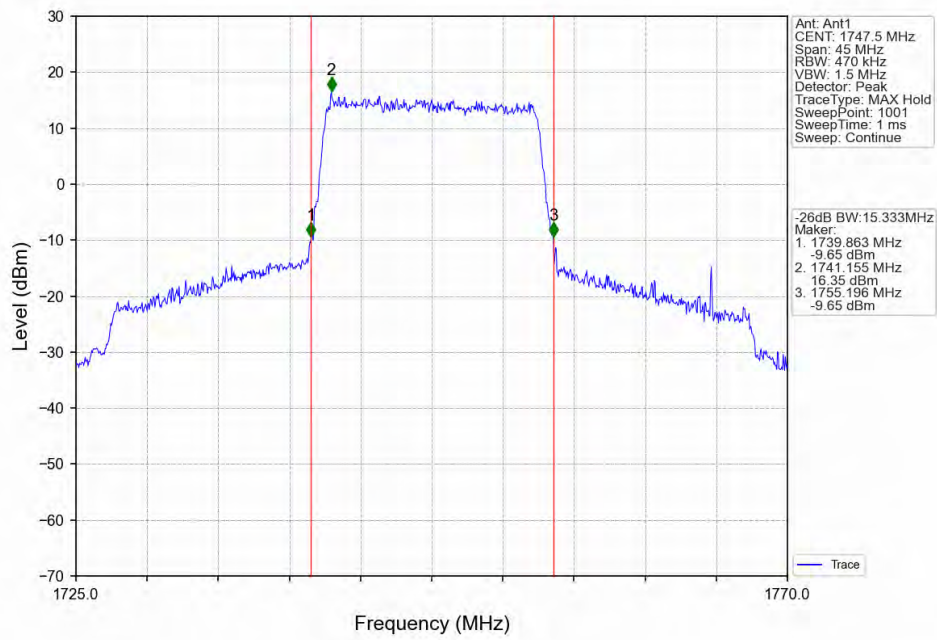
Band4_15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



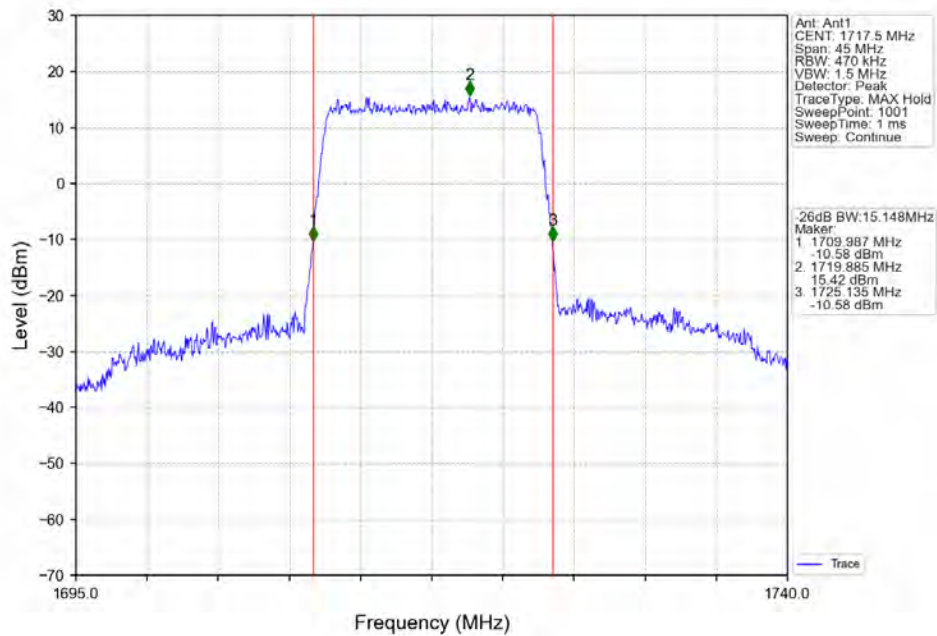
Band4_15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



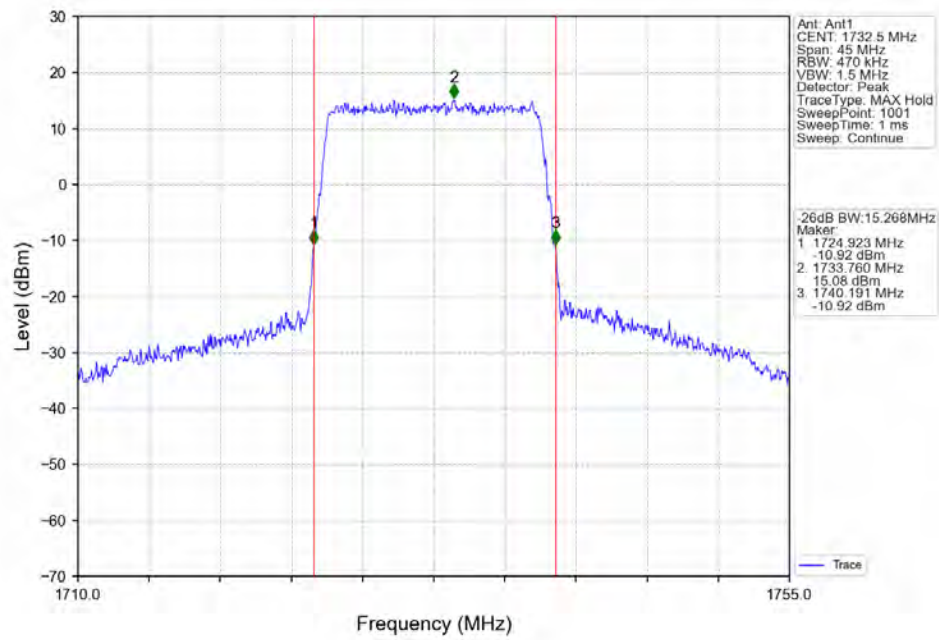
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



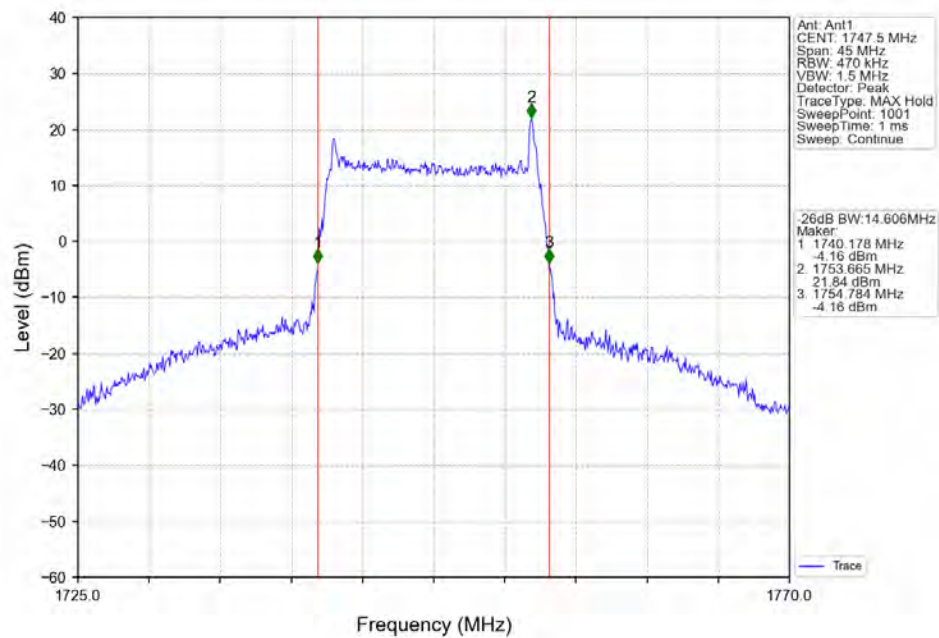
Band4_15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



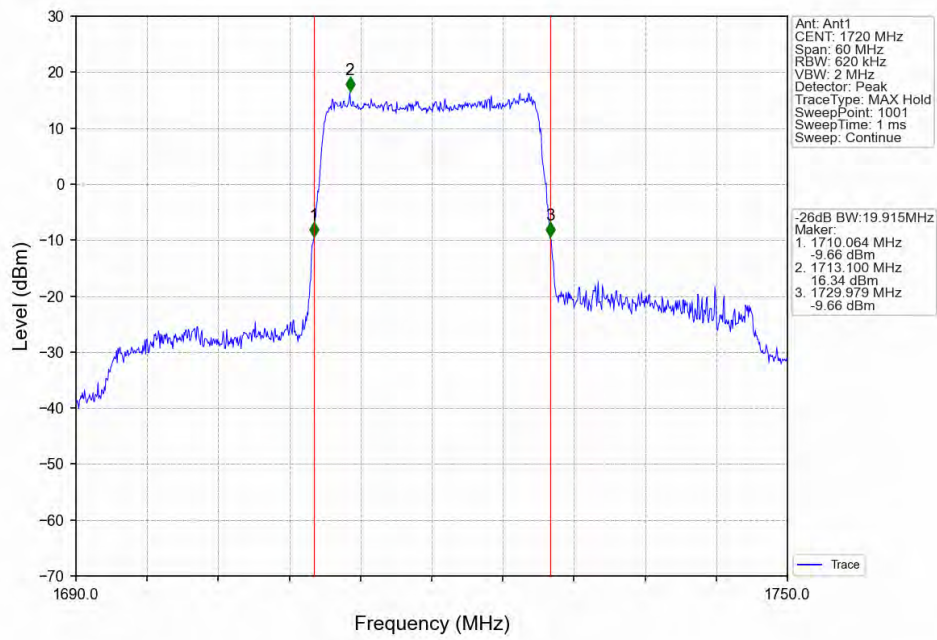
Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



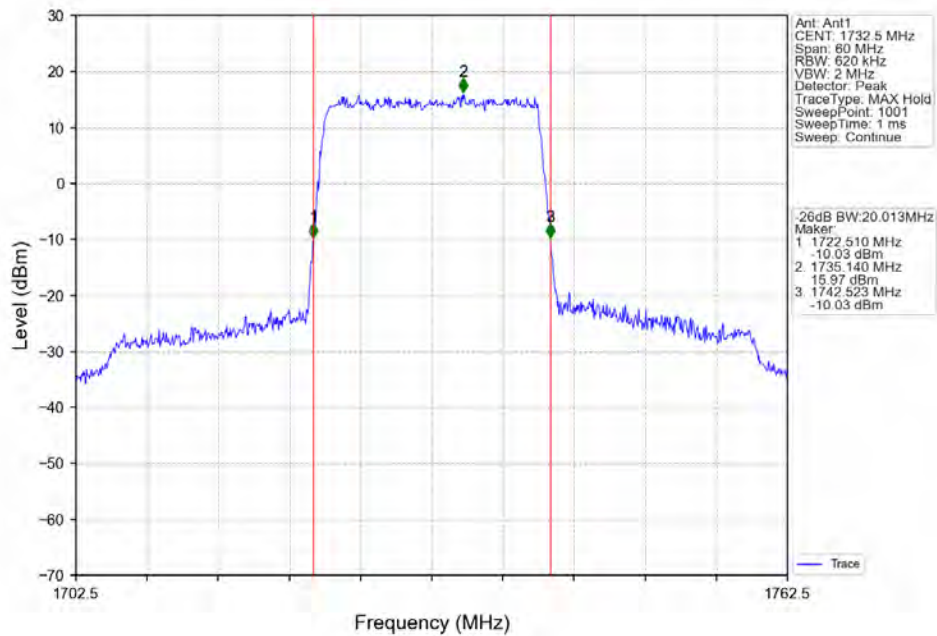
Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV



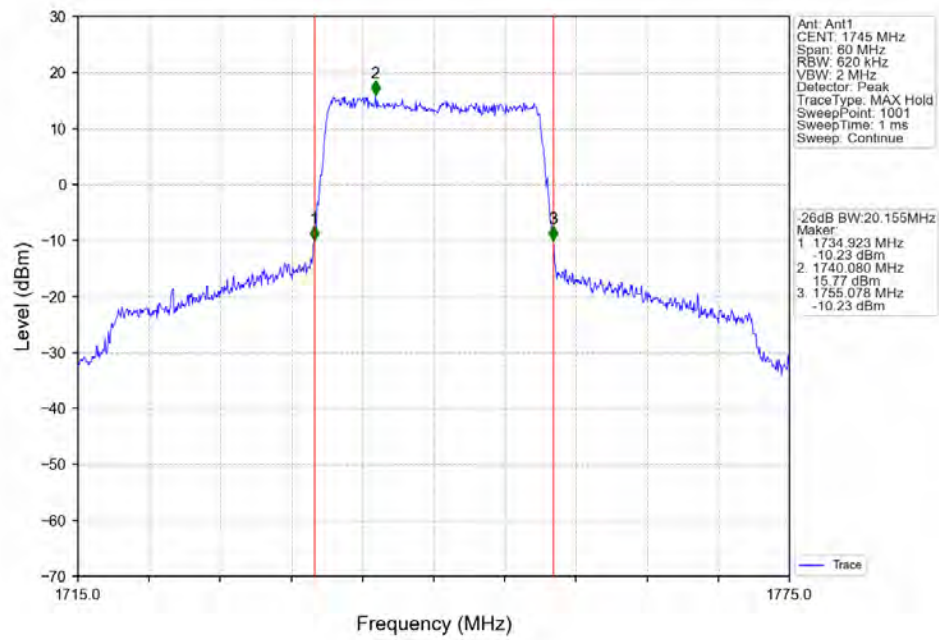
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



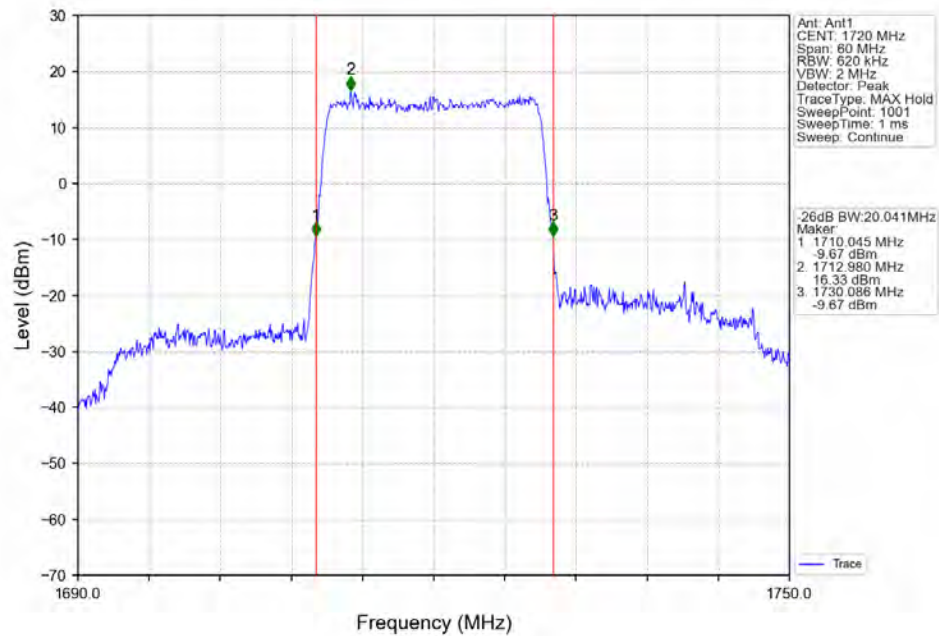
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



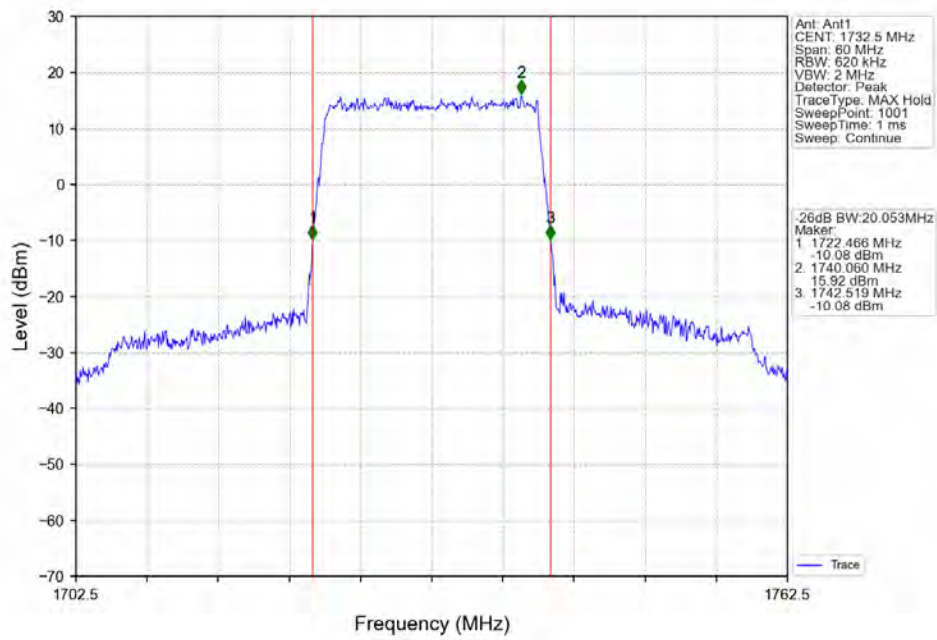
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



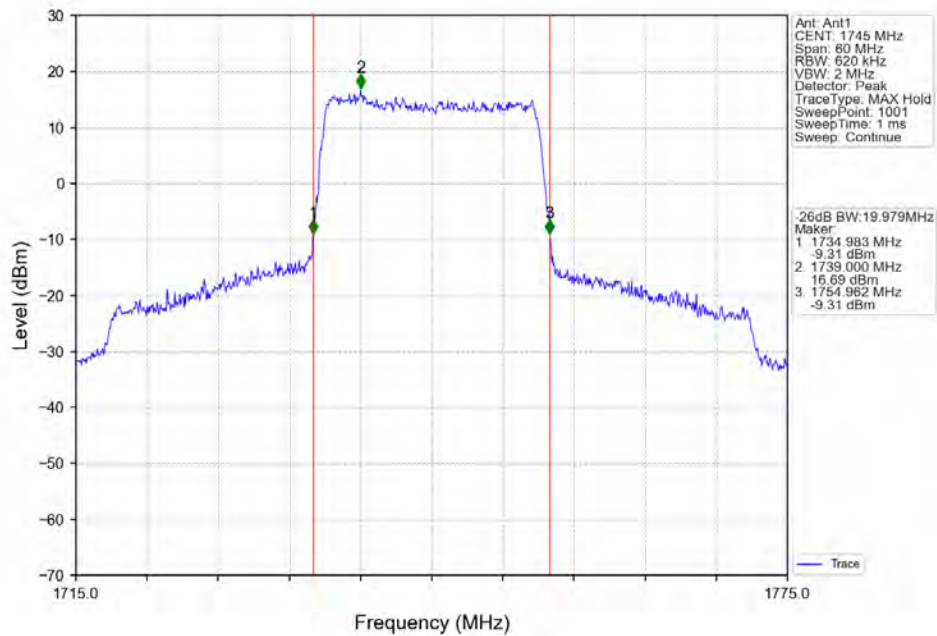
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV



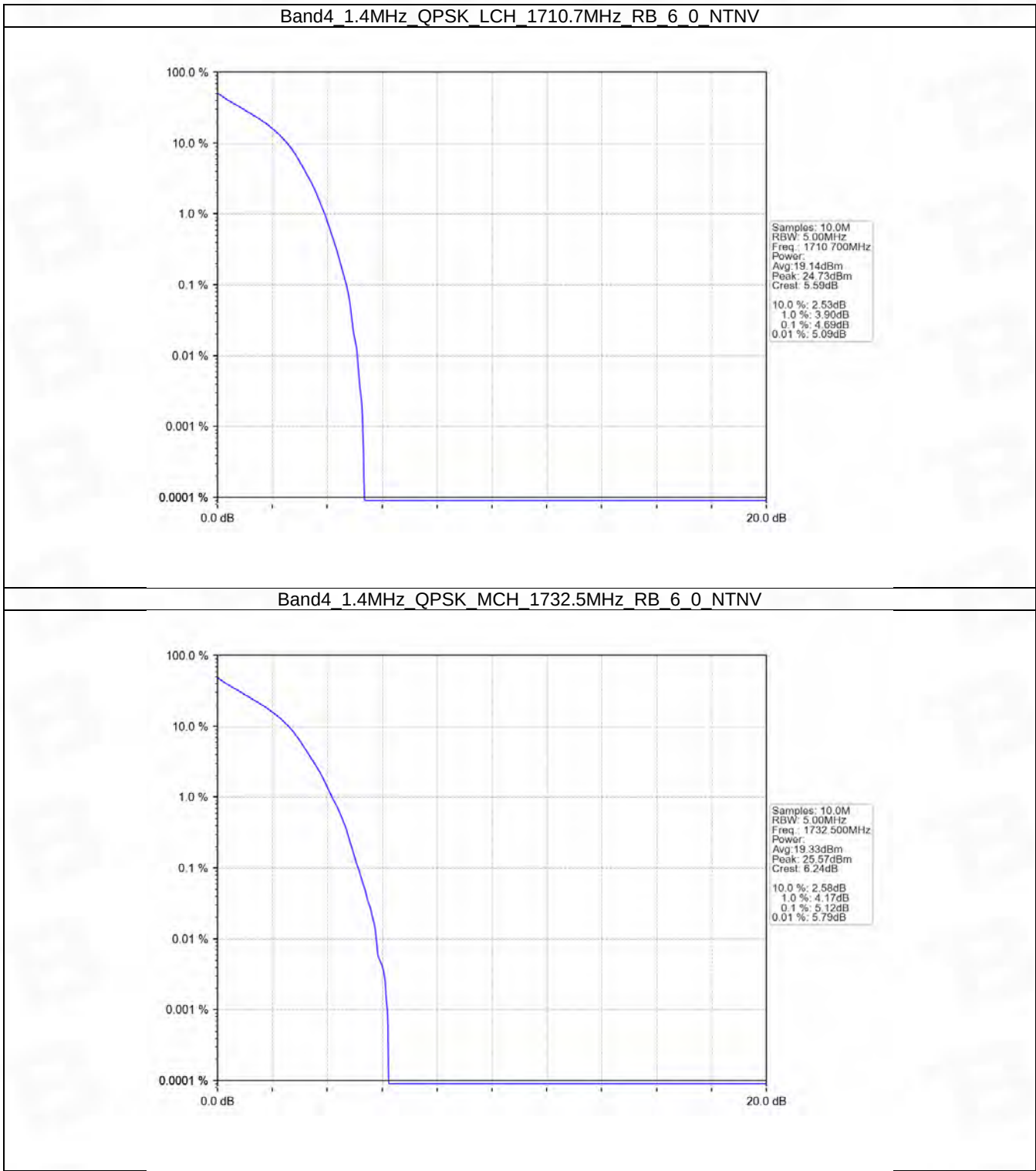
5. Peak-Average Ratio

5.1 B4_1.4MHz

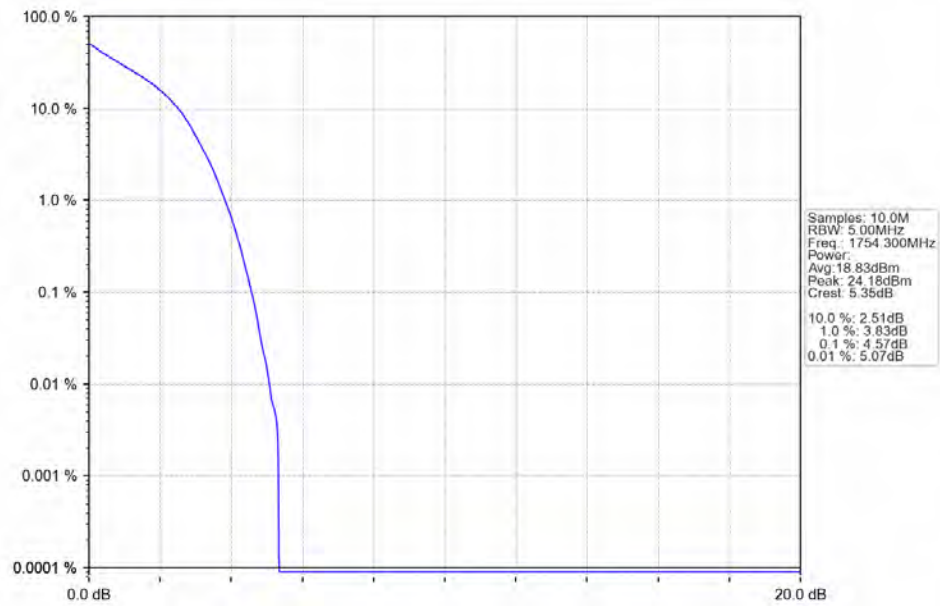
5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.69	<=13	Pass
	1732.5	6	0	5.12	<=13	Pass
	1754.3	6	0	4.57	<=13	Pass
16QAM	1710.7	6	0	5.39	<=13	Pass
	1732.5	6	0	5.94	<=13	Pass
	1754.3	6	0	5.31	<=13	Pass

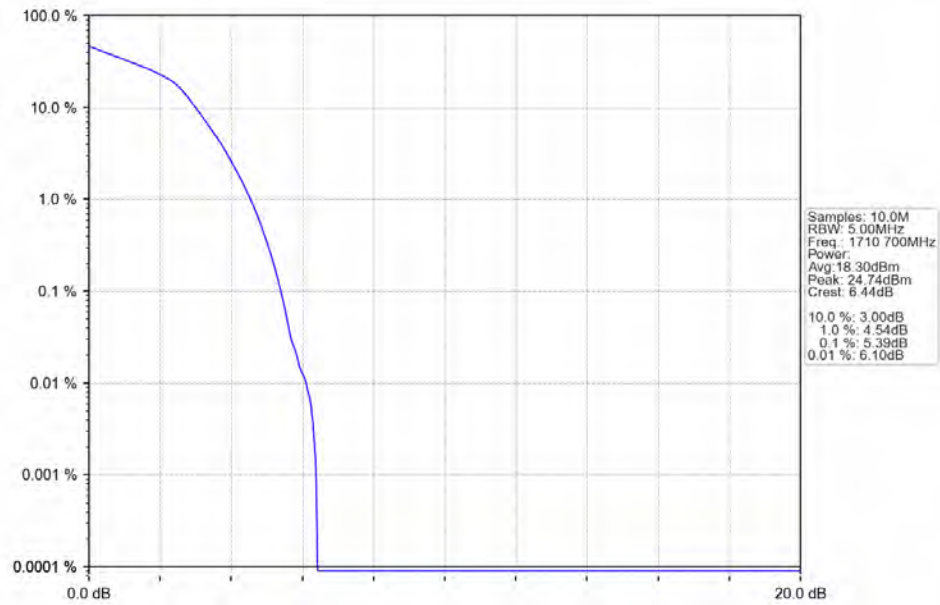
5.1.2 Test Graph



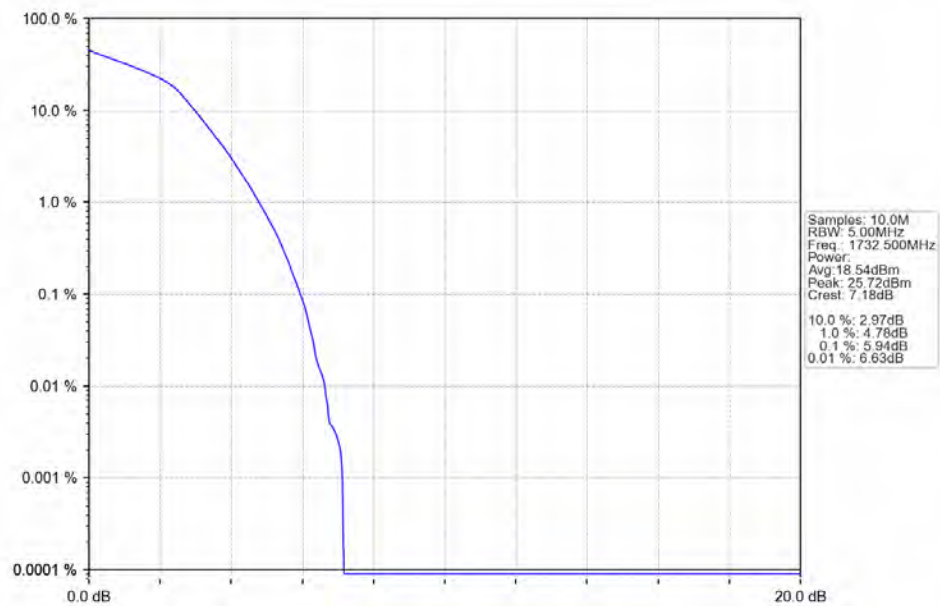
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



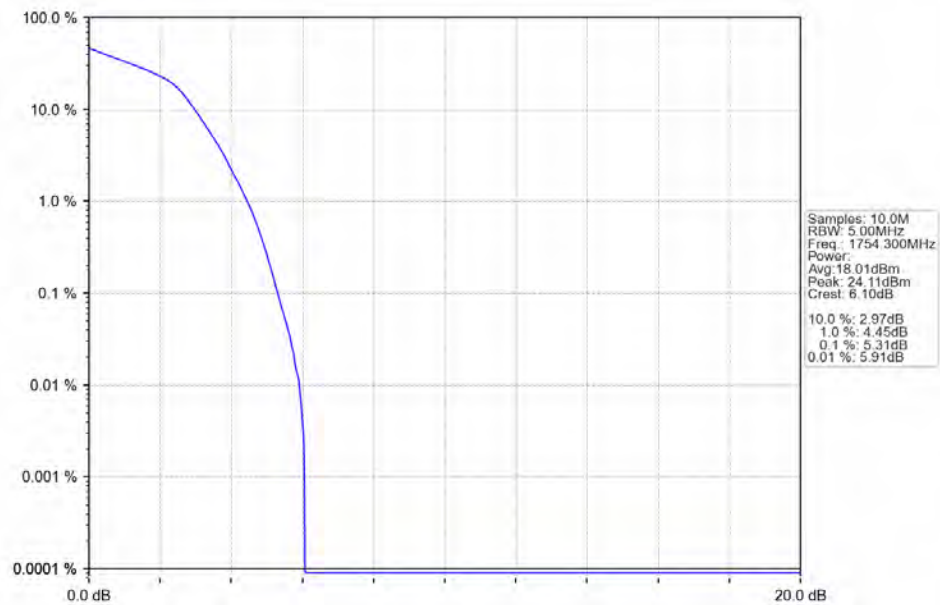
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

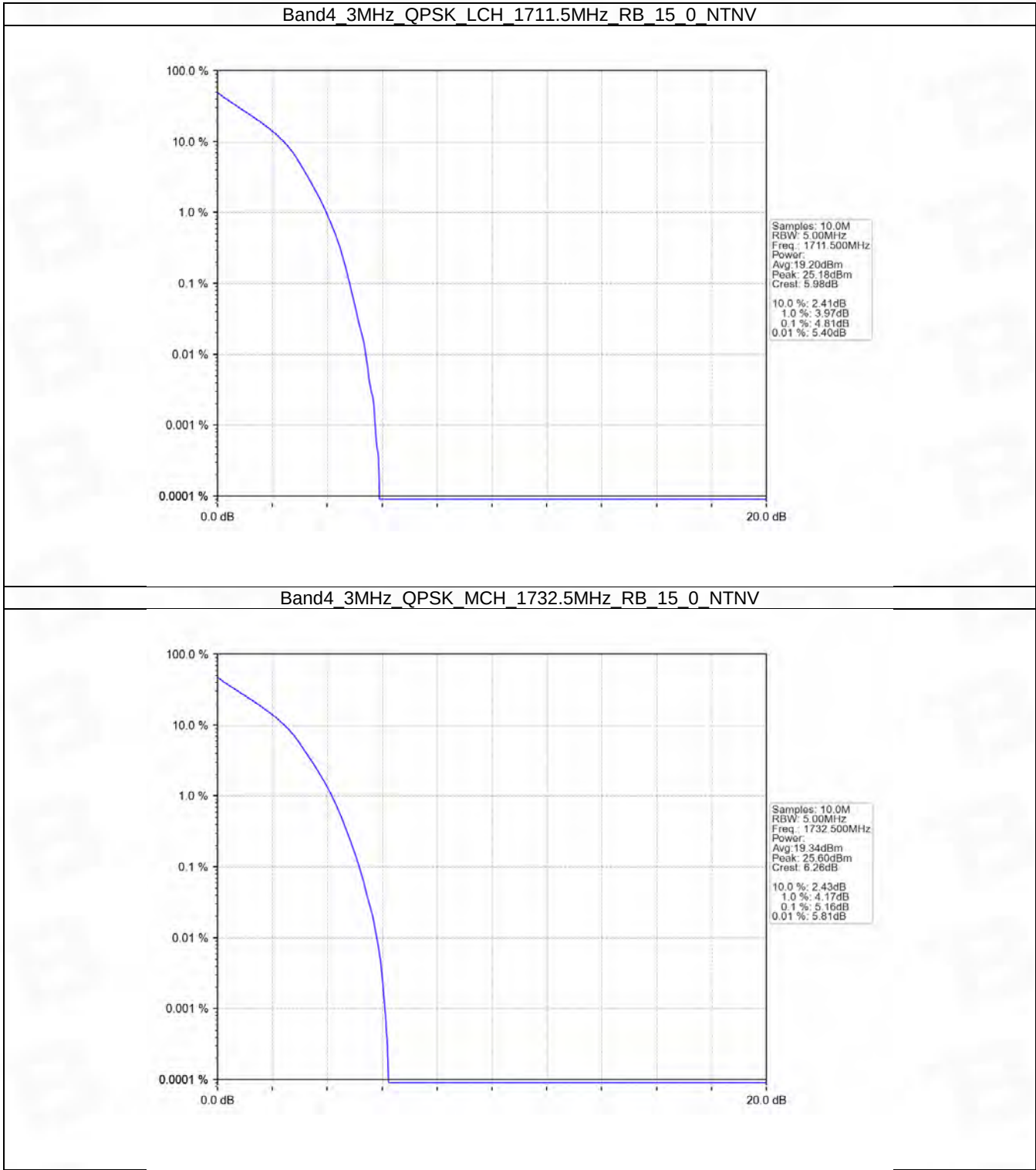


5.2 B4_3MHz

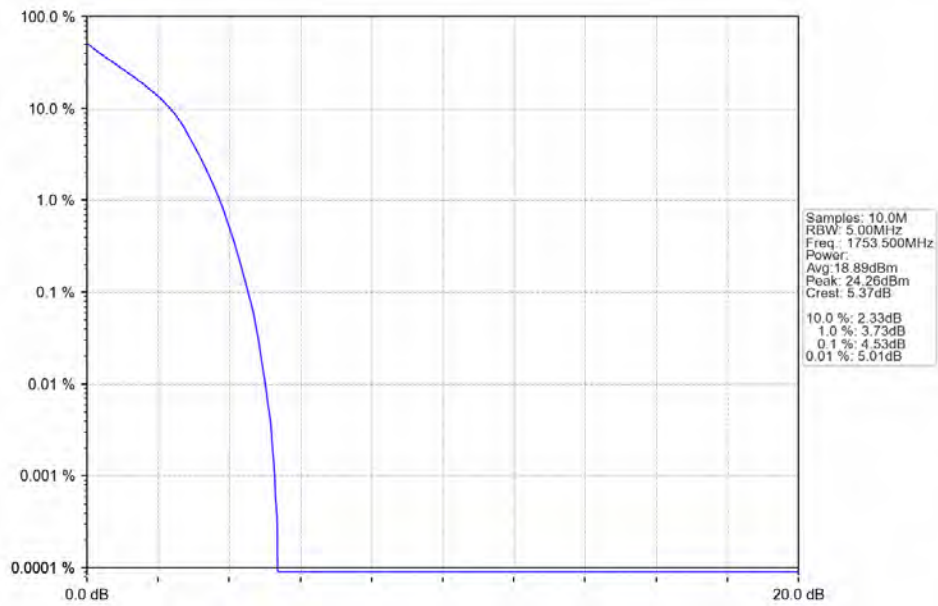
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.81	<=13	Pass
	1732.5	15	0	5.16	<=13	Pass
	1753.5	15	0	4.53	<=13	Pass
16QAM	1711.5	15	0	5.57	<=13	Pass
	1732.5	15	0	5.98	<=13	Pass
	1753.5	15	0	5.32	<=13	Pass

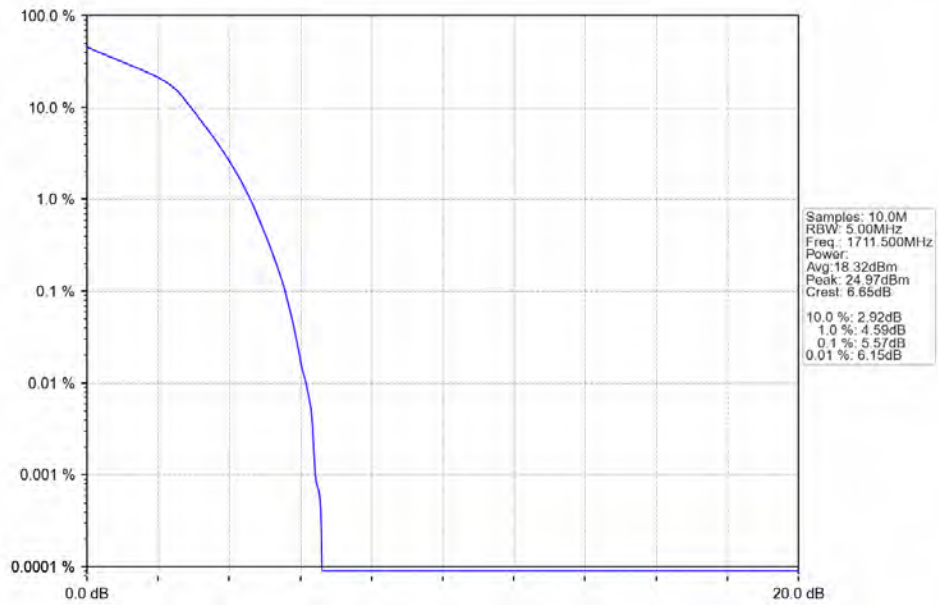
5.2.2 Test Graph



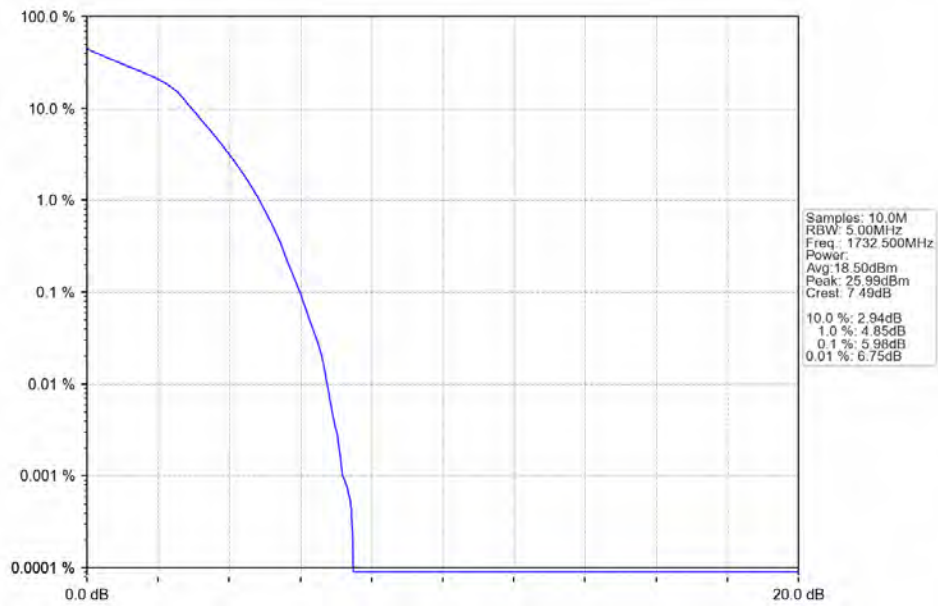
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



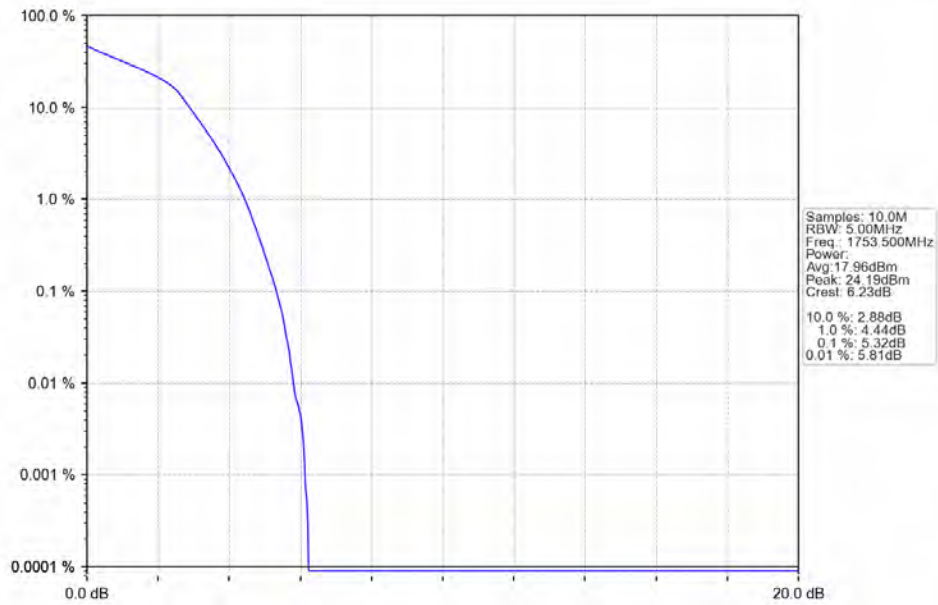
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV

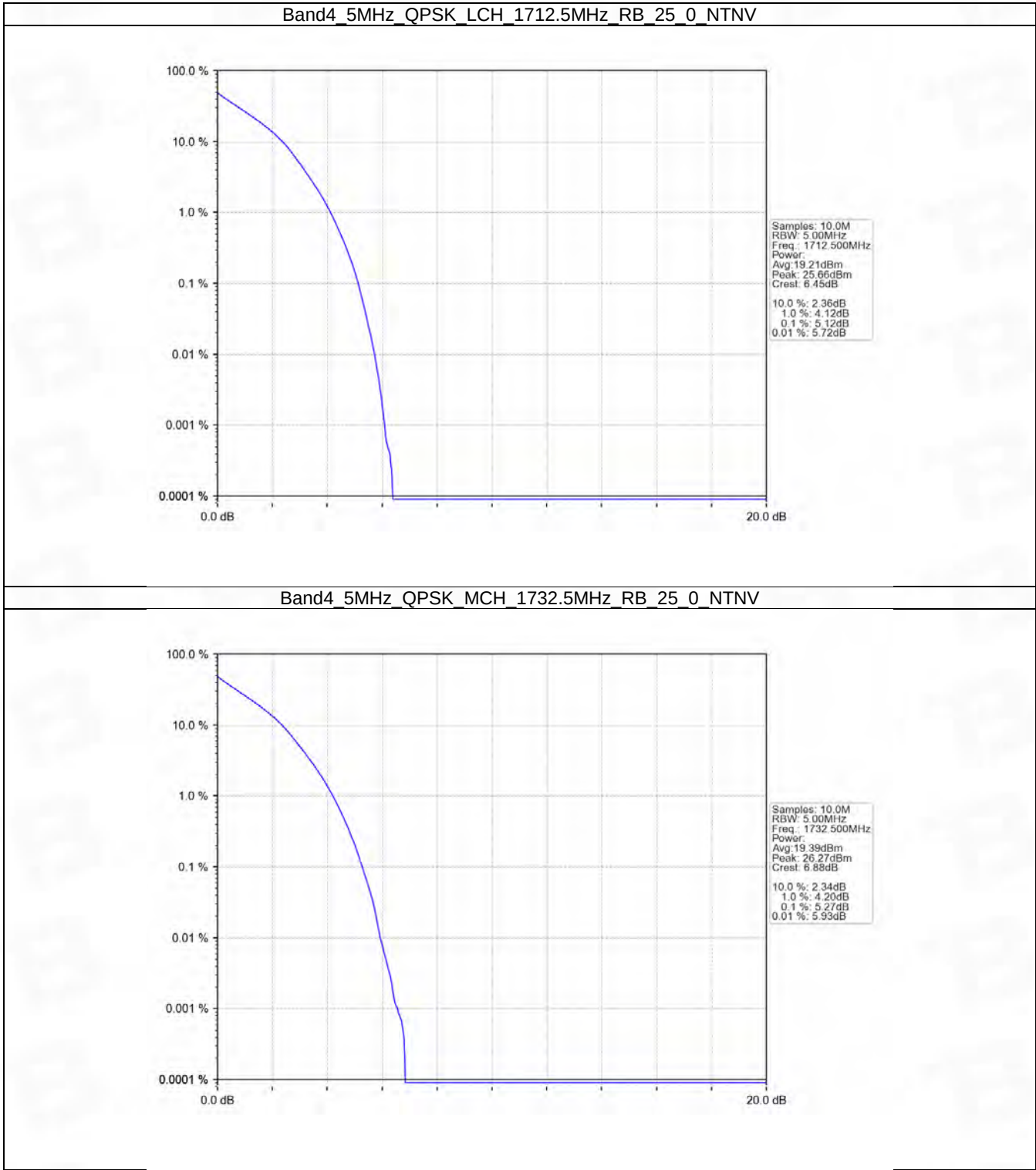


5.3 B4_5MHz

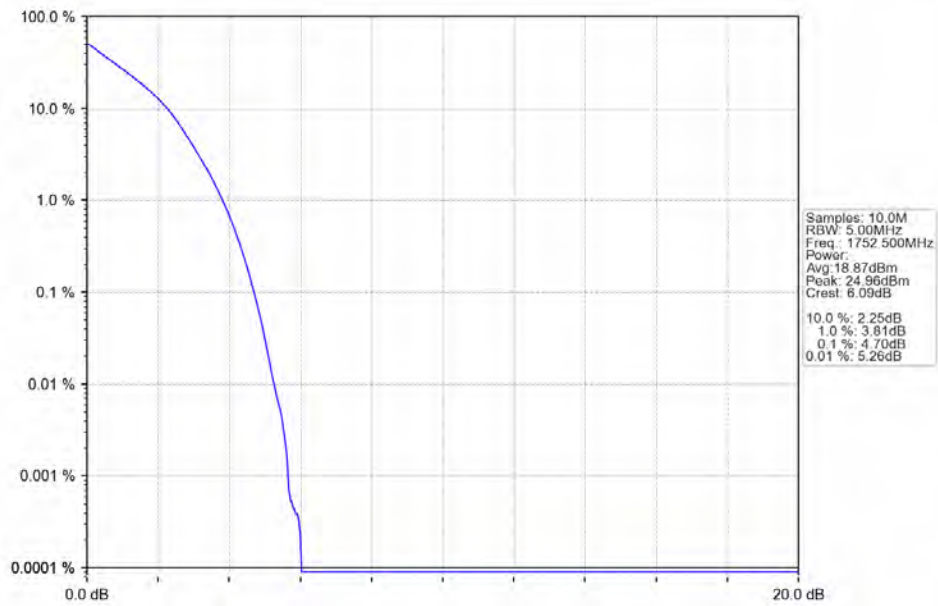
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.12	<=13	Pass
	1732.5	25	0	5.27	<=13	Pass
	1752.5	25	0	4.70	<=13	Pass
16QAM	1712.5	25	0	5.11	<=13	Pass
	1732.5	25	0	5.25	<=13	Pass
	1752.5	25	0	4.70	<=13	Pass

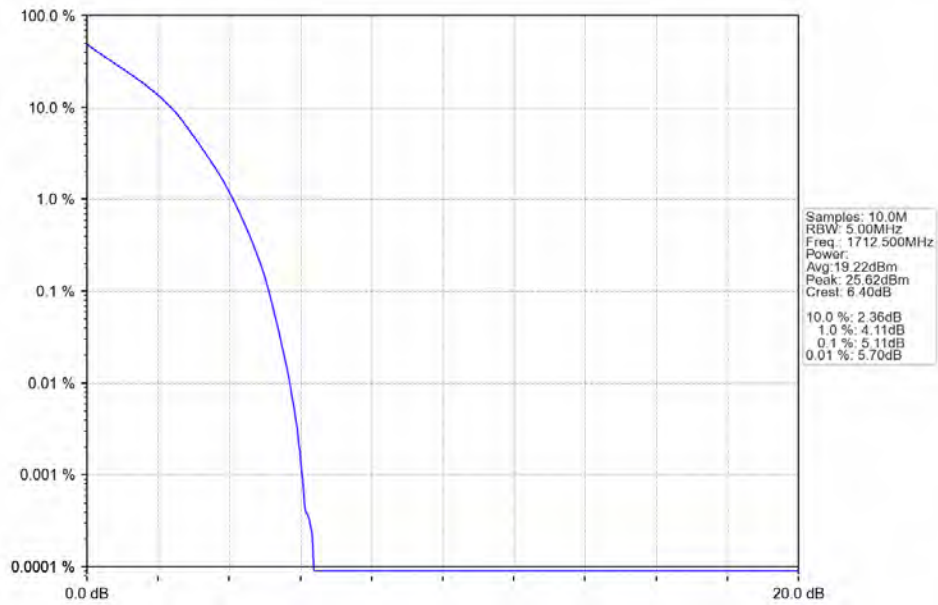
5.3.2 Test Graph



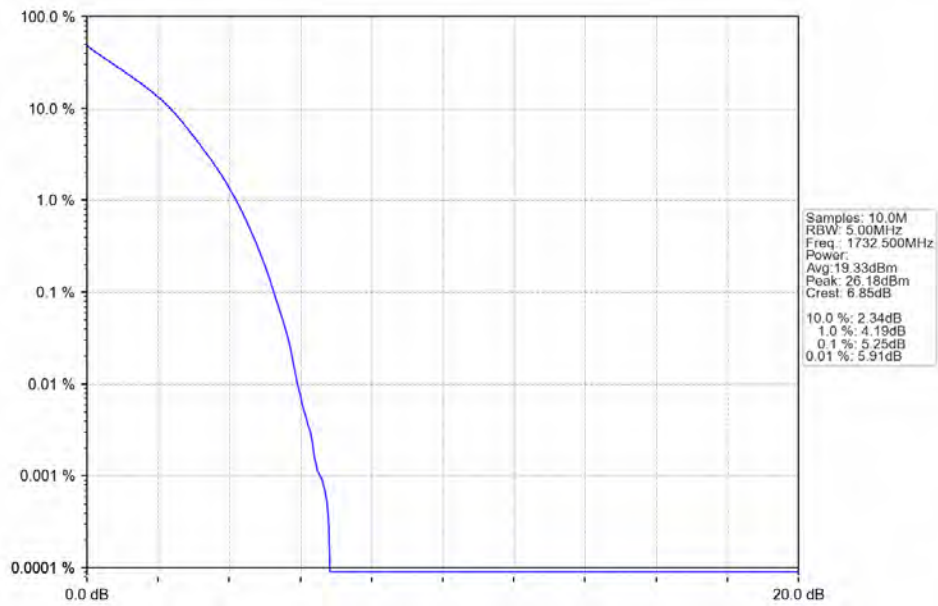
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



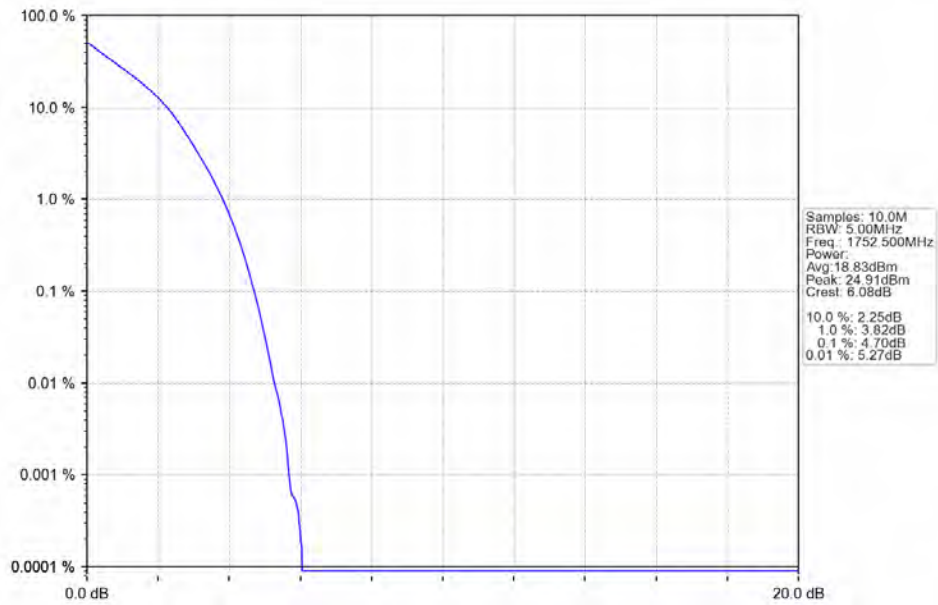
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV

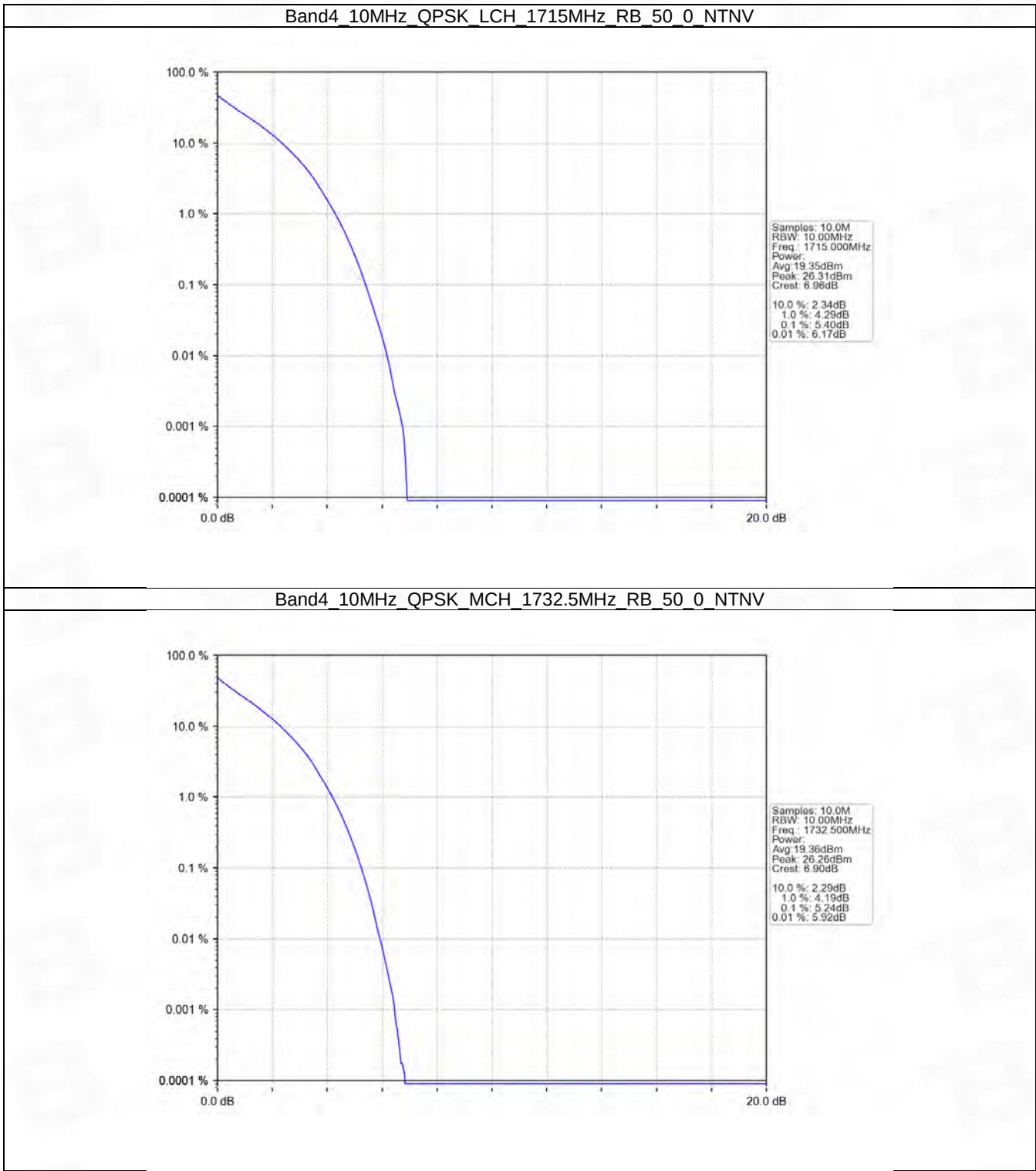


5.4 B4_10MHz

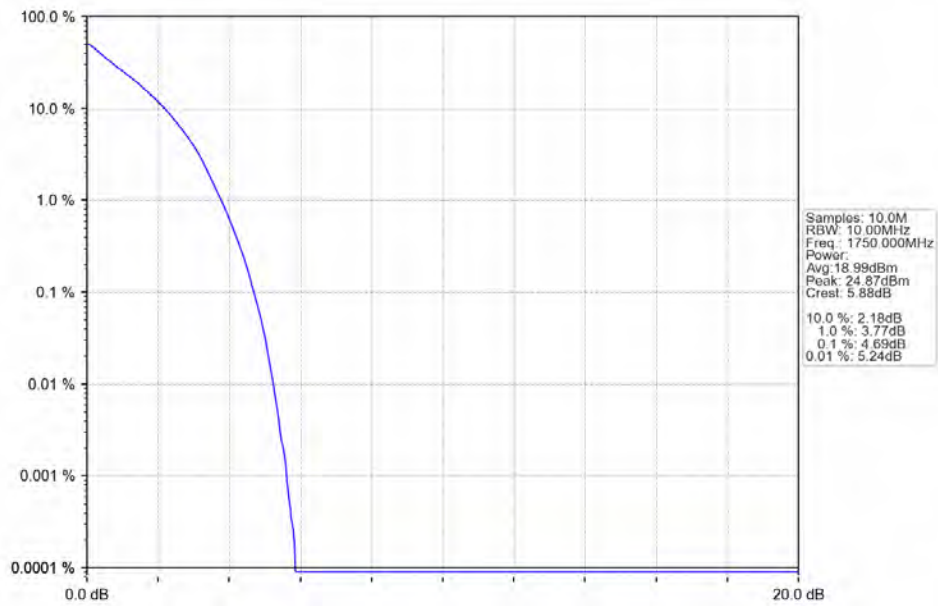
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.40	<=13	Pass
	1732.5	50	0	5.24	<=13	Pass
	1750	50	0	4.69	<=13	Pass
16QAM	1715	50	0	6.08	<=13	Pass
	1732.5	50	0	5.98	<=13	Pass
	1750	50	0	5.35	<=13	Pass

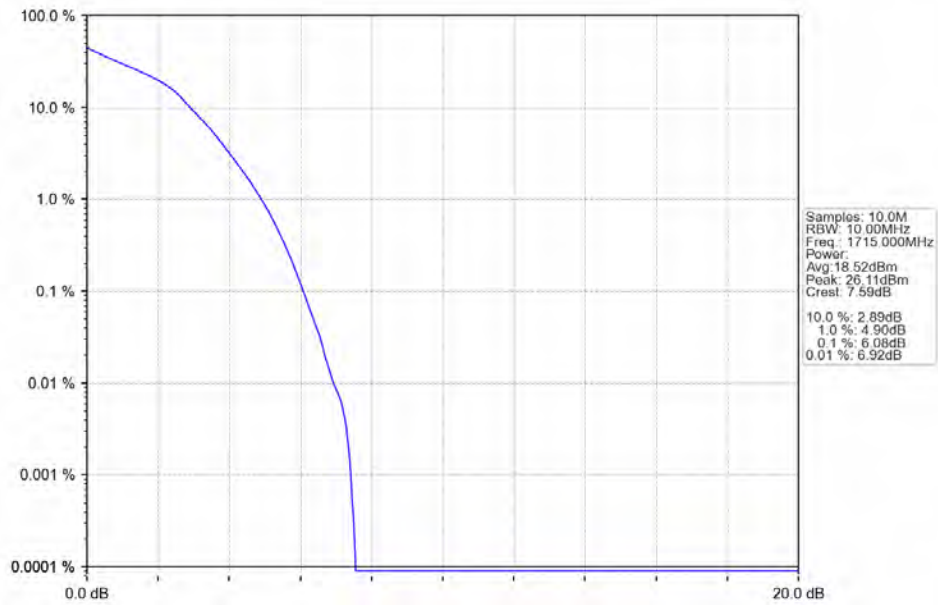
5.4.2 Test Graph



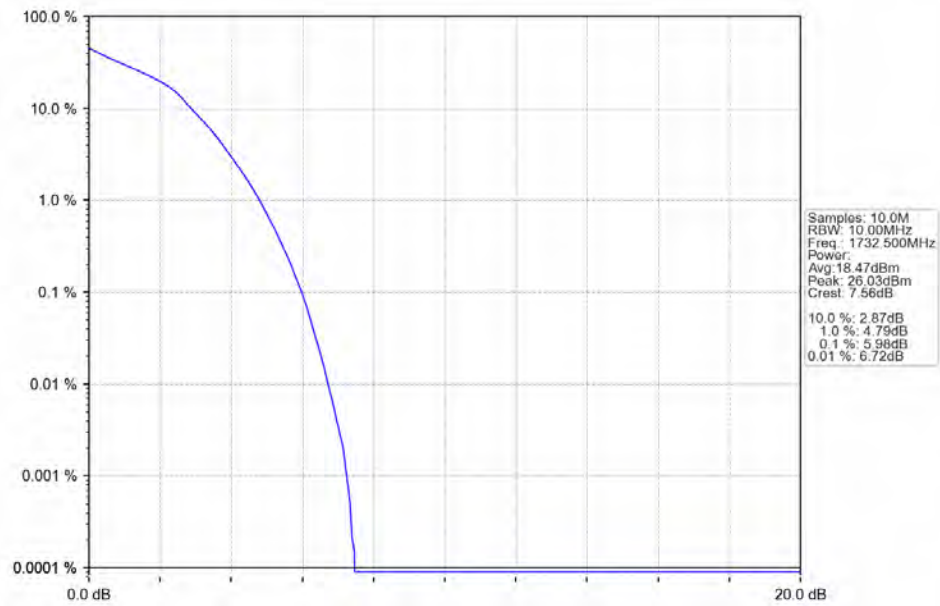
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



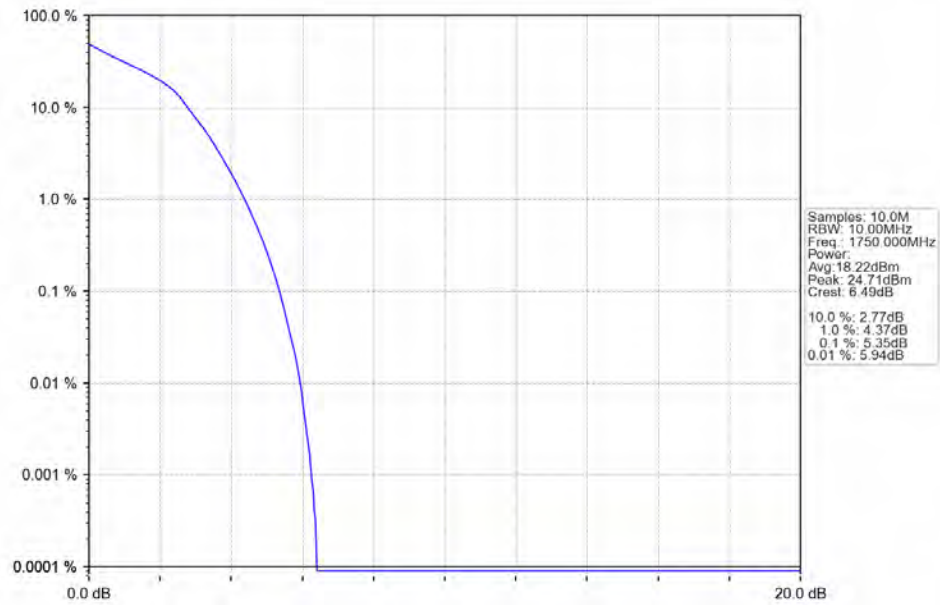
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN

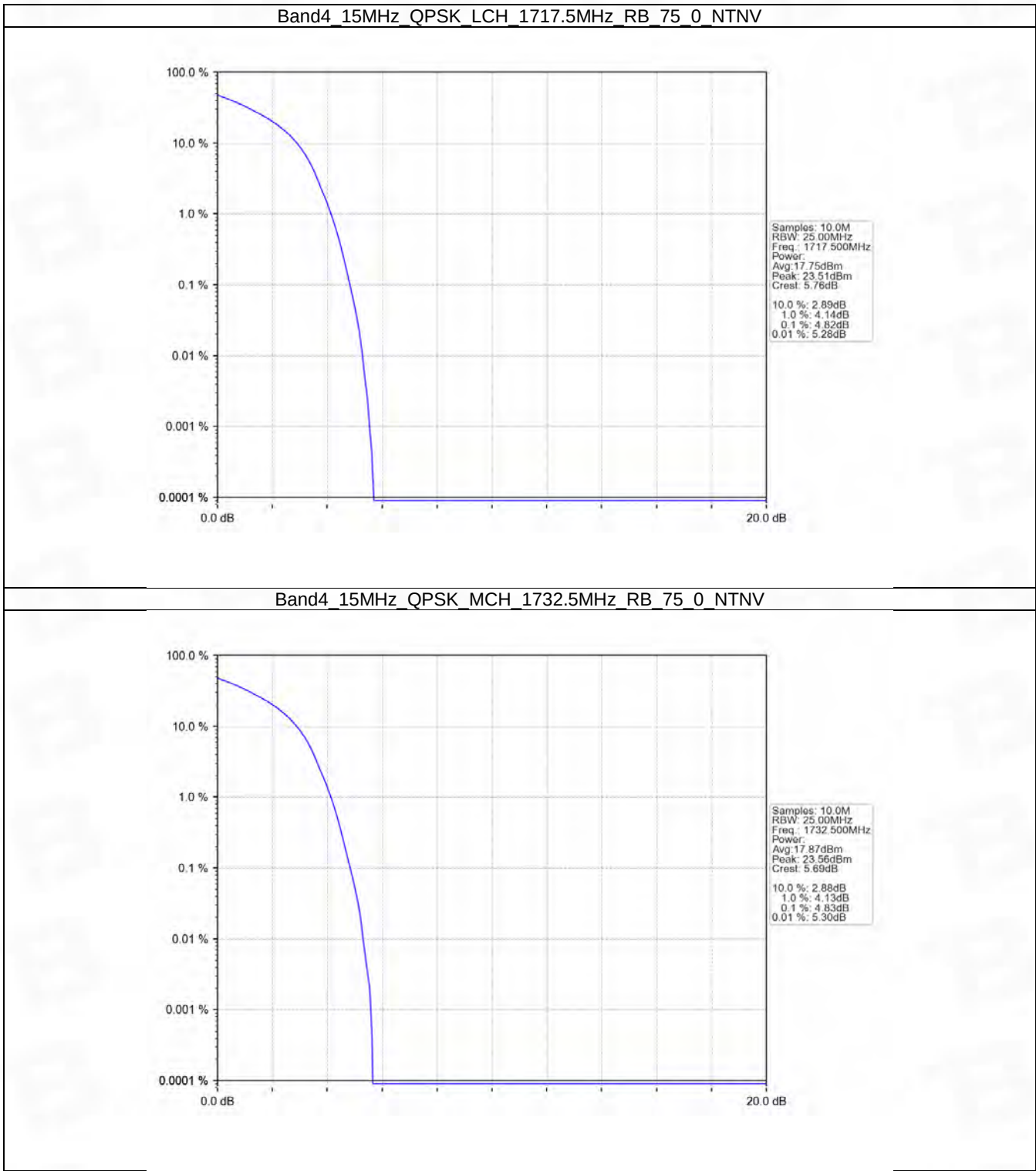


5.5 B4_15MHz

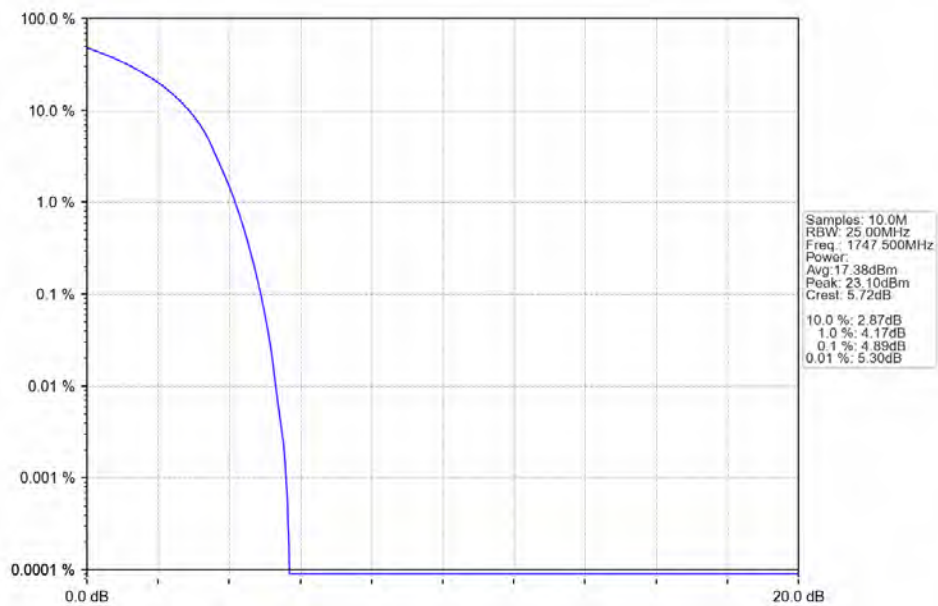
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.82	<=13	Pass
	1732.5	75	0	4.83	<=13	Pass
	1747.5	75	0	4.89	<=13	Pass
16QAM	1717.5	75	0	4.84	<=13	Pass
	1732.5	75	0	4.84	<=13	Pass
	1747.5	75	0	4.88	<=13	Pass

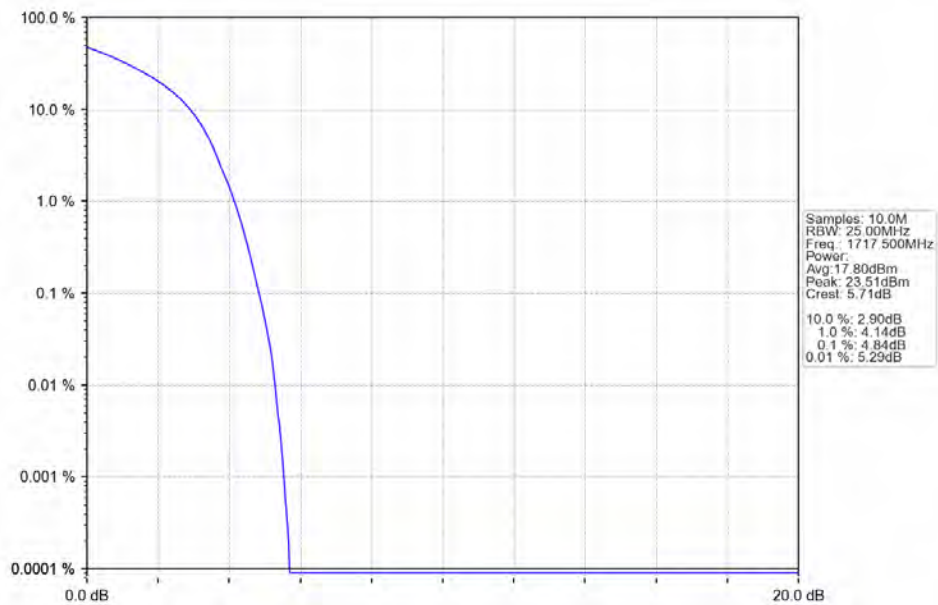
5.5.2 Test Graph



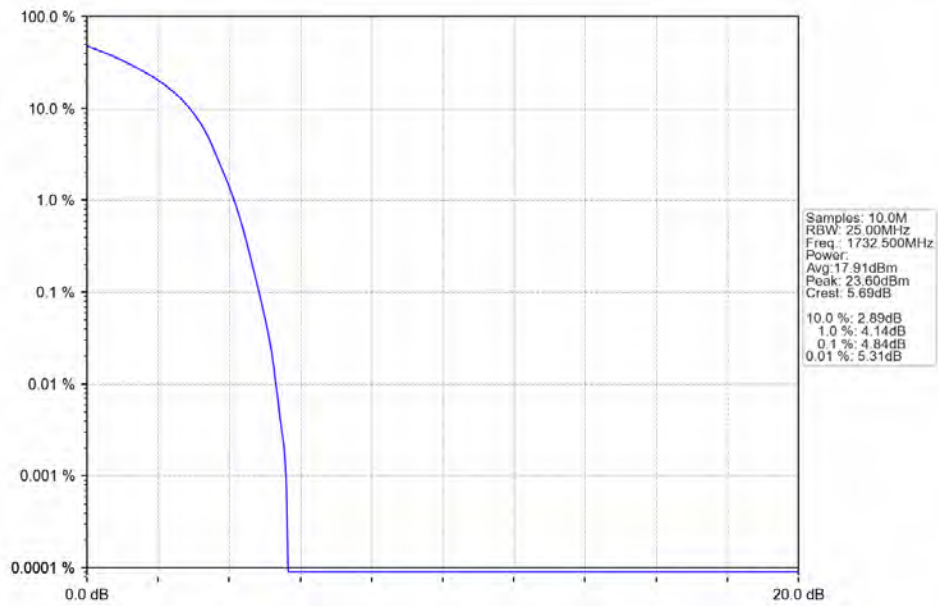
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



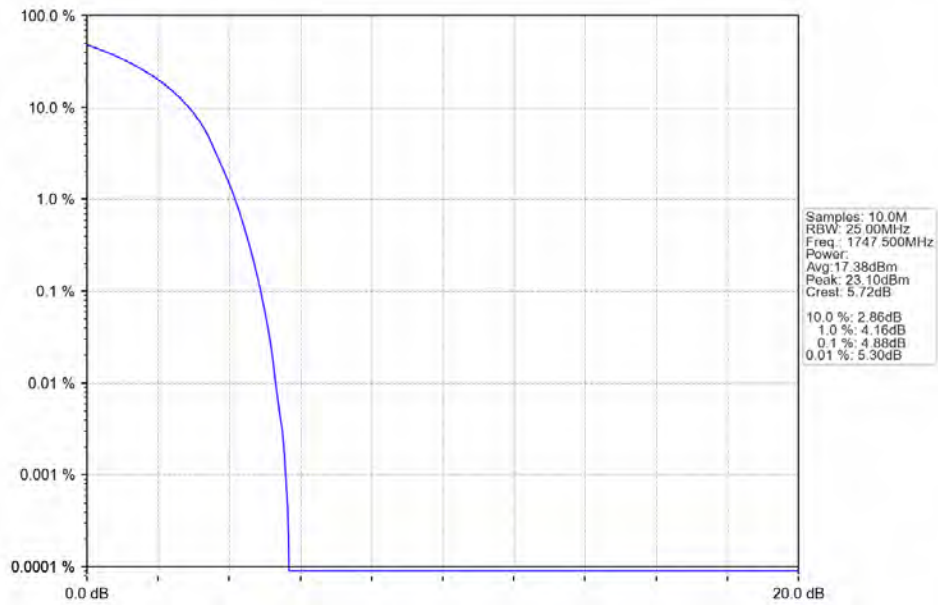
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

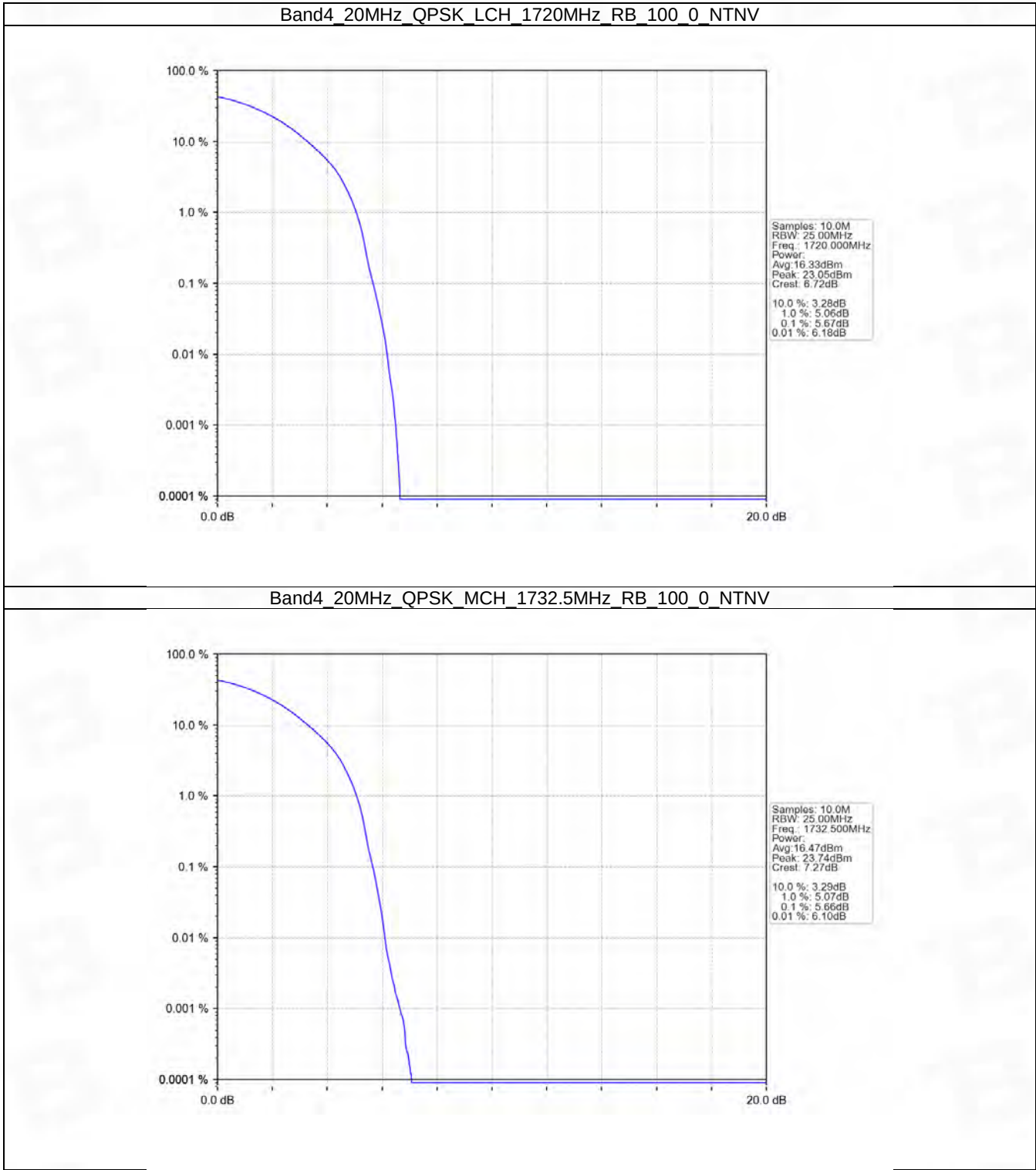


5.6 B4_20MHz

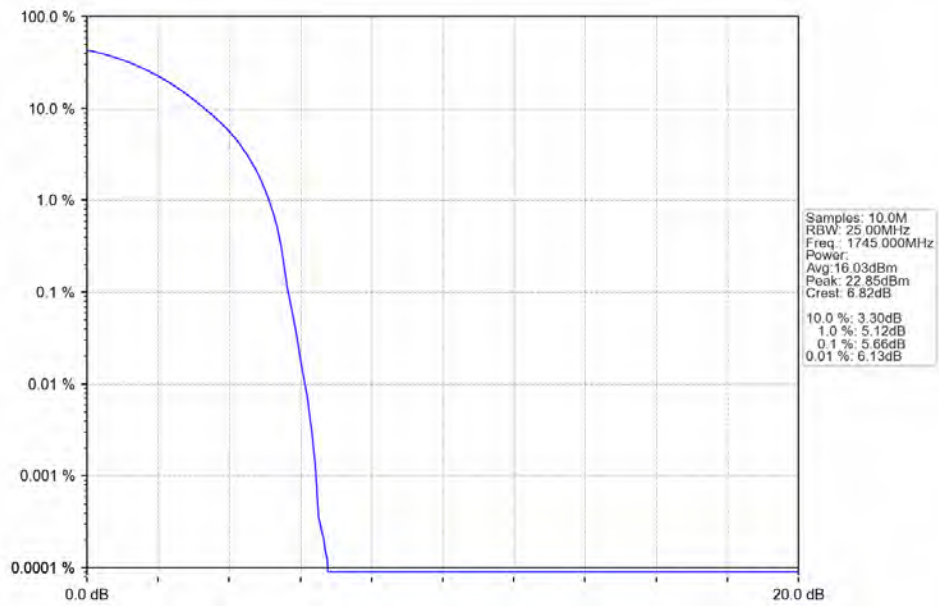
5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.67	<=13	Pass
	1732.5	100	0	5.66	<=13	Pass
	1745	100	0	5.66	<=13	Pass
16QAM	1720	100	0	6.76	<=13	Pass
	1732.5	100	0	6.72	<=13	Pass
	1745	100	0	6.60	<=13	Pass

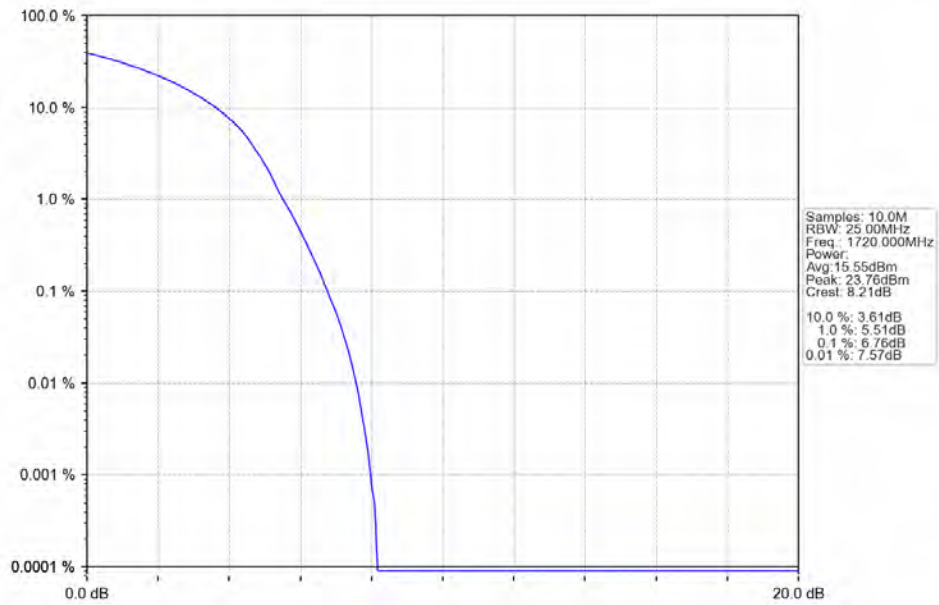
5.6.2 Test Graph



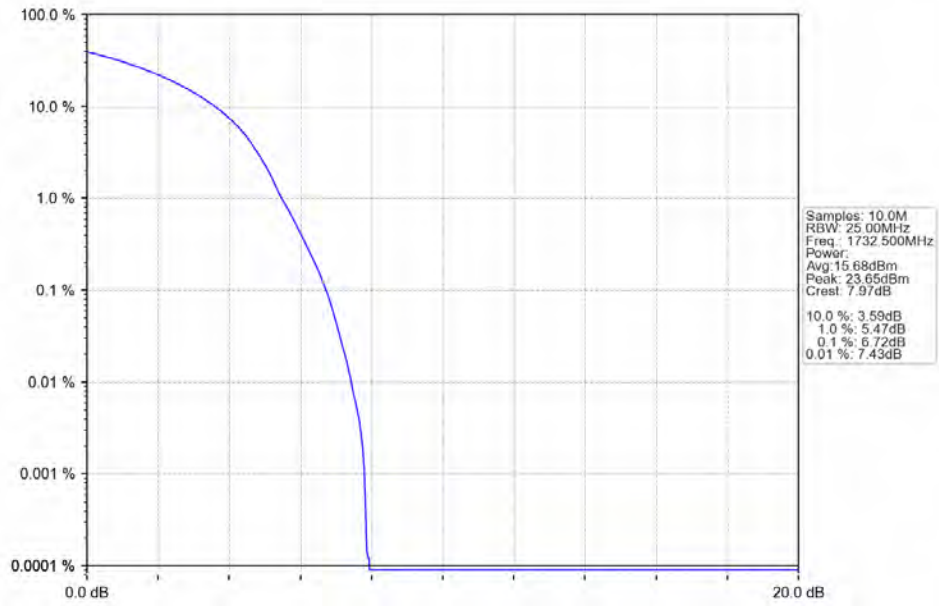
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



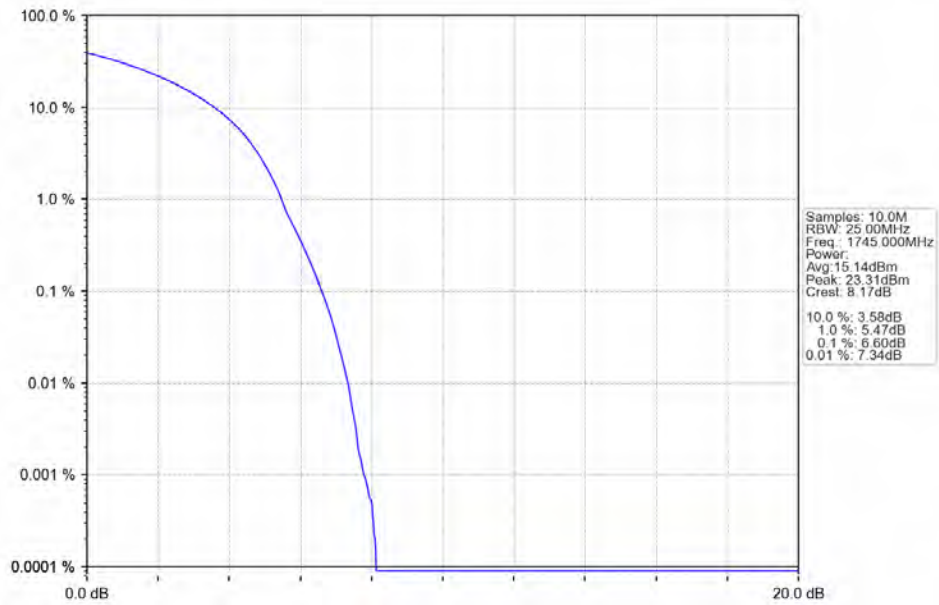
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTNV



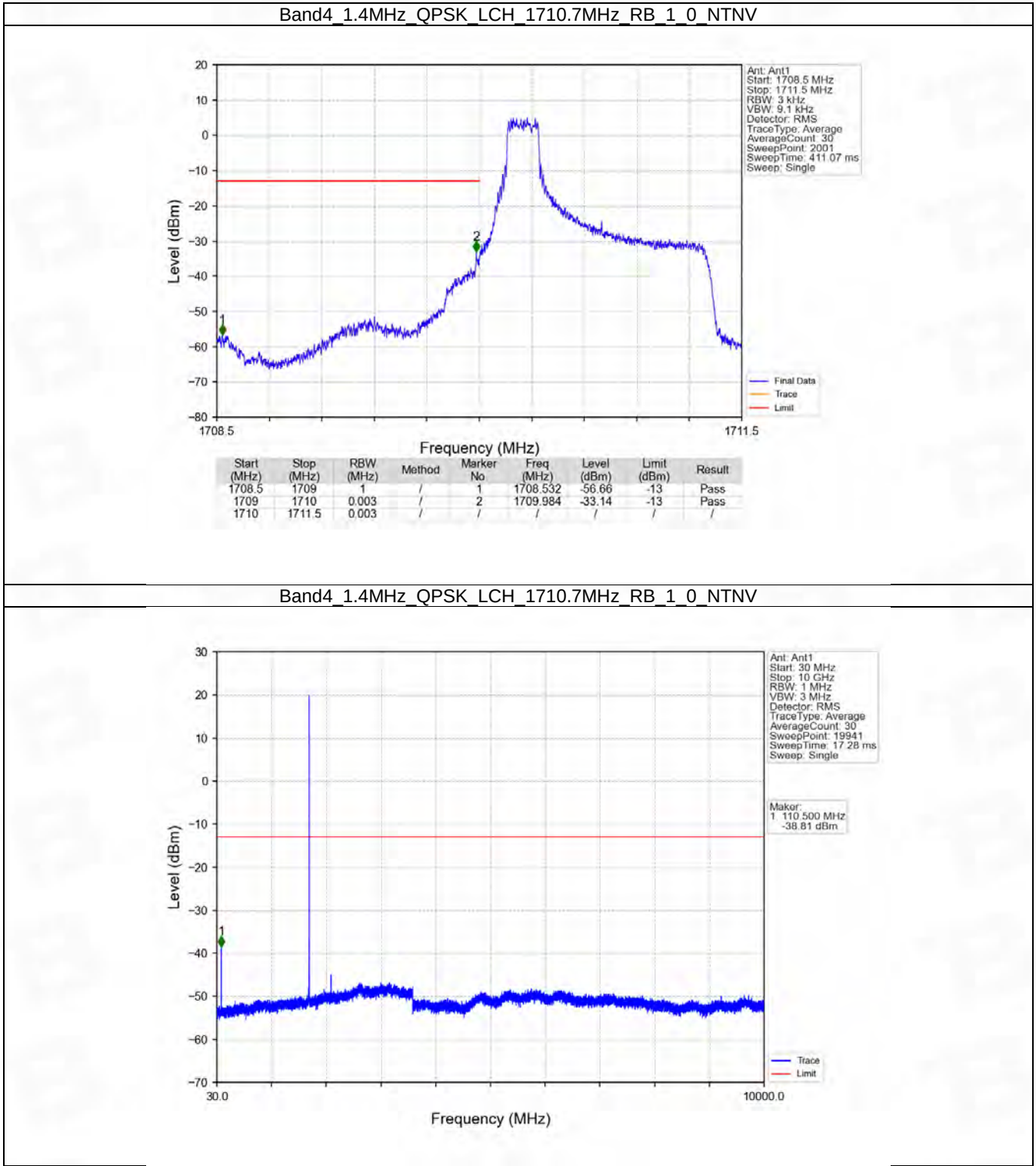
6. Spurious Emission

6.1 B4_1.4MHz

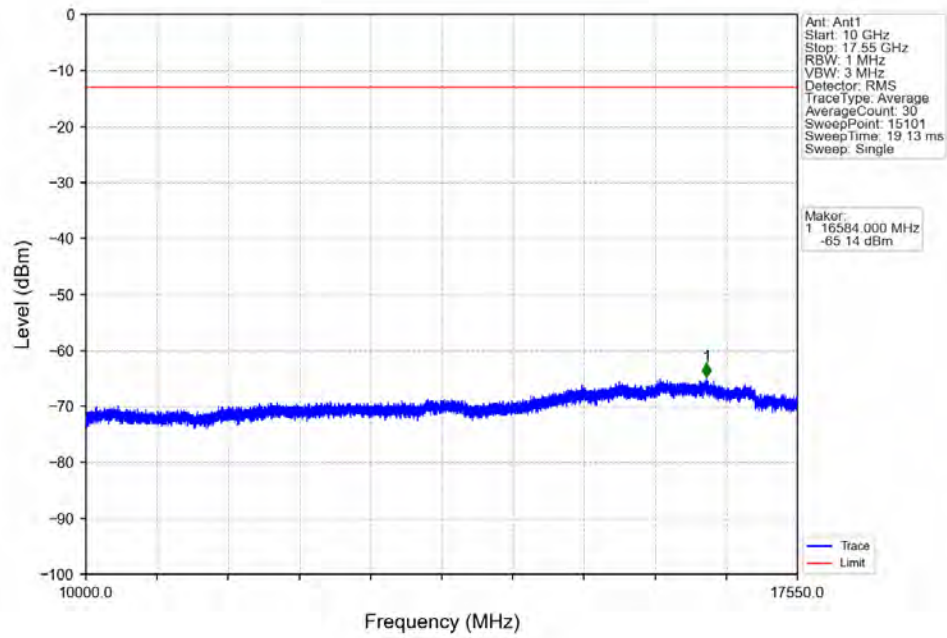
6.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
			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
		1	0	Refer To Test Graph	Pass
			5	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass
			0	Refer To Test Graph	Pass

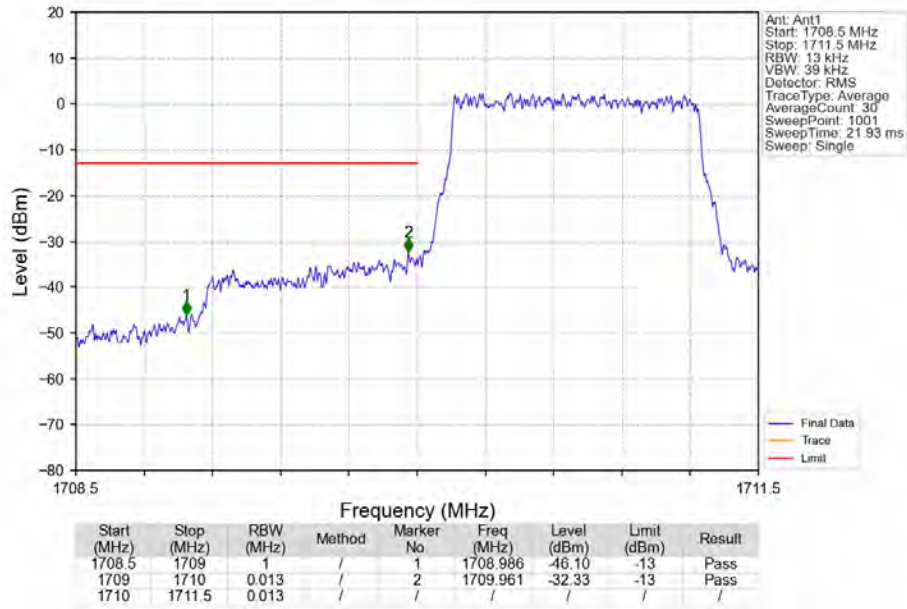
6.1.2 Test Graph



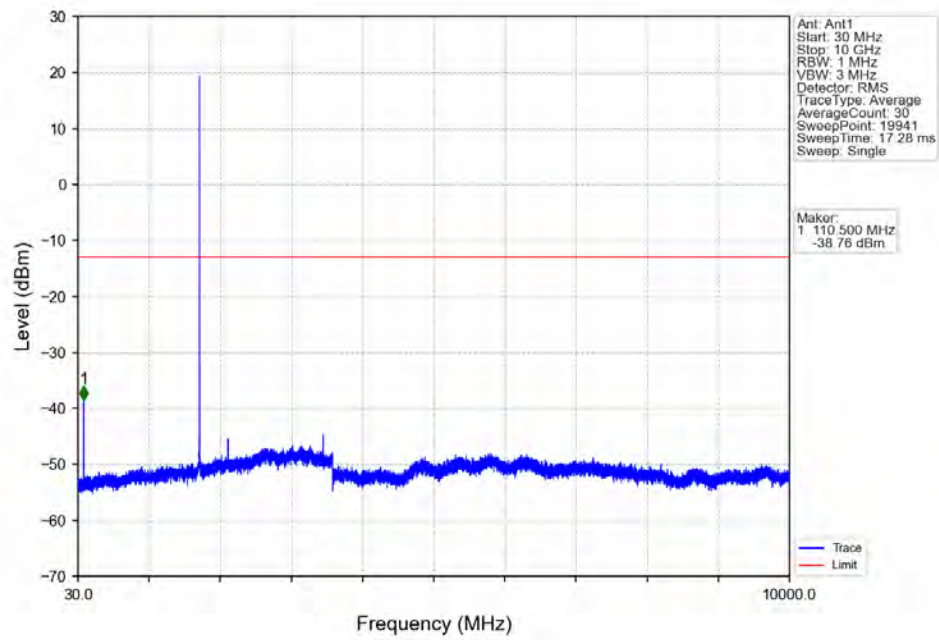
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



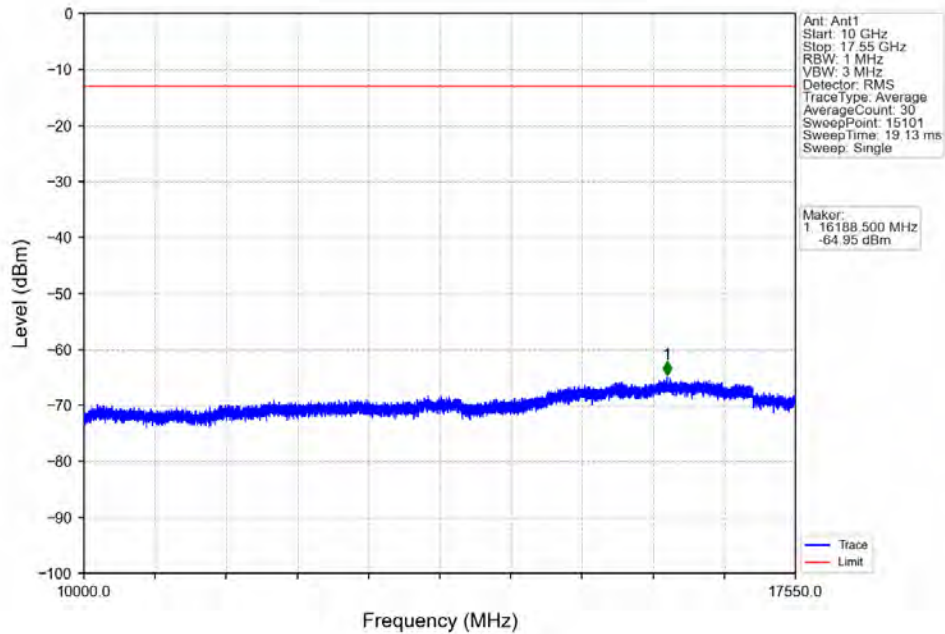
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



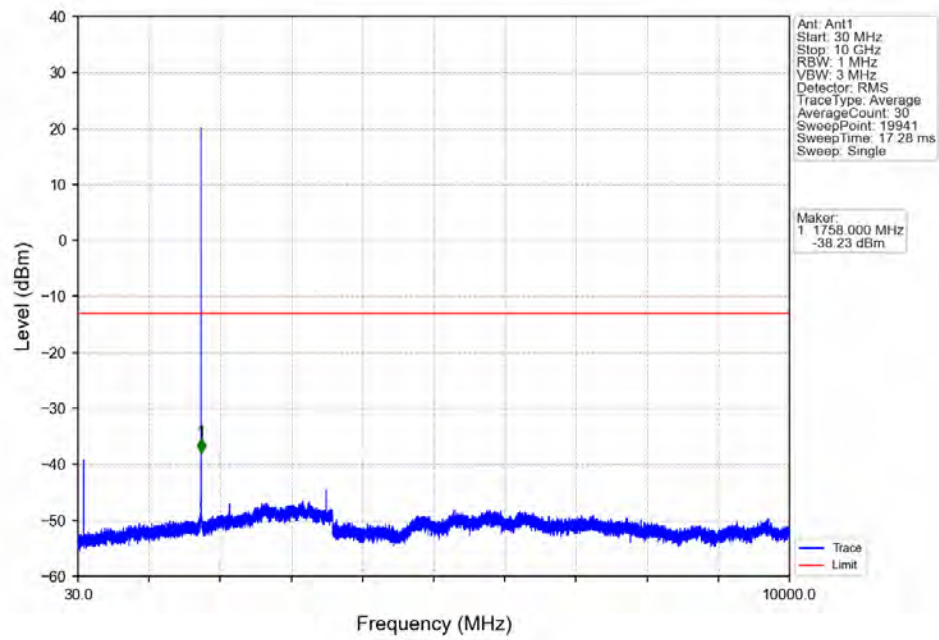
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



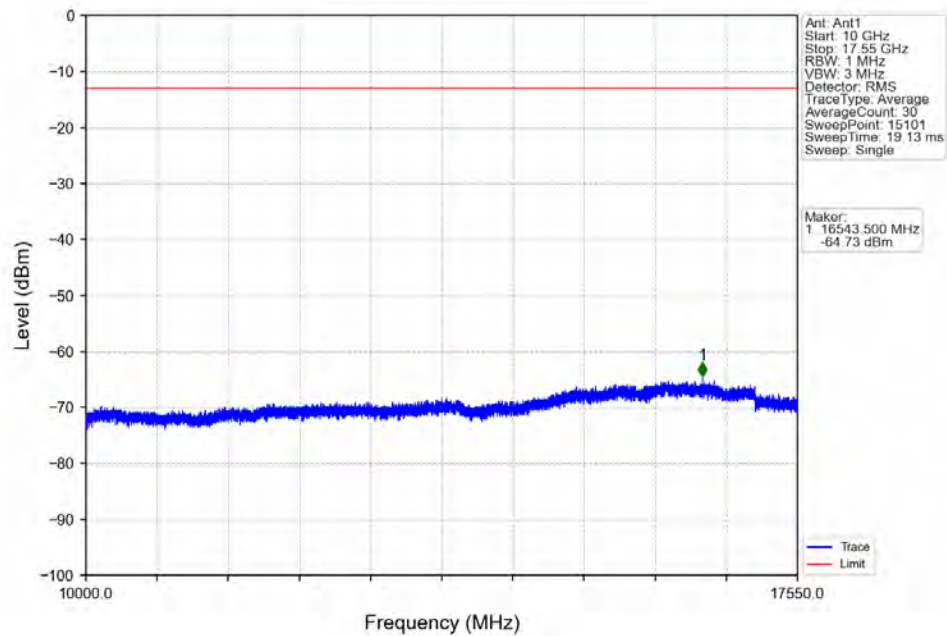
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



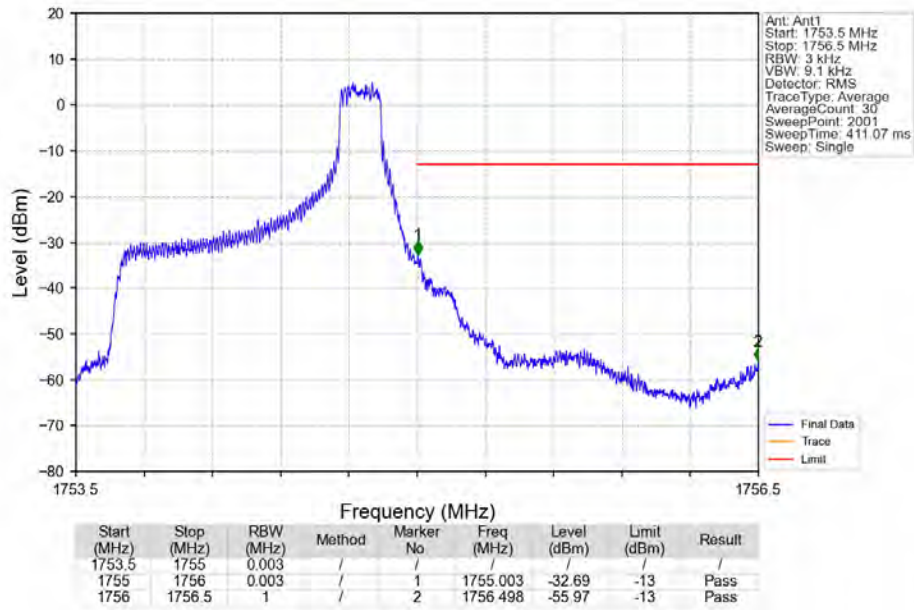
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



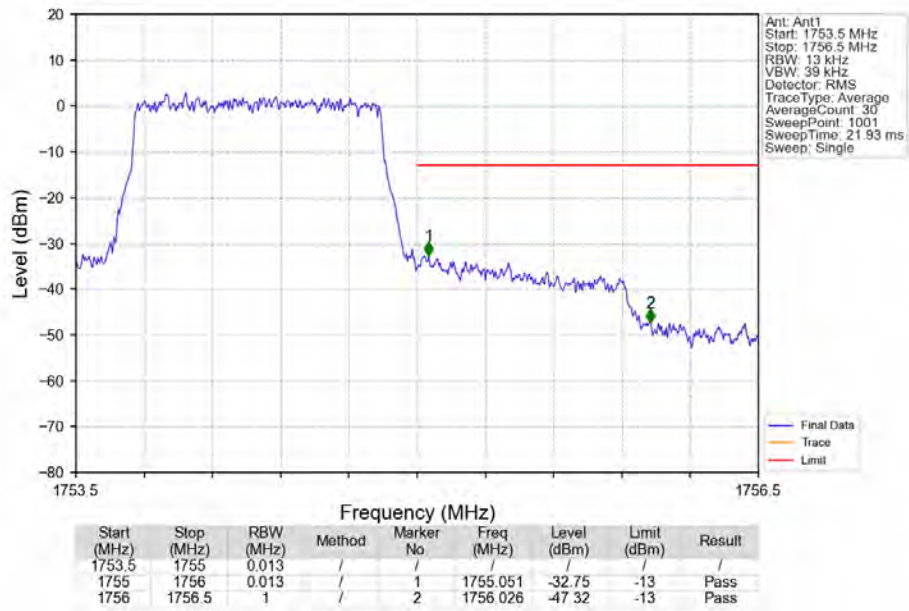
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



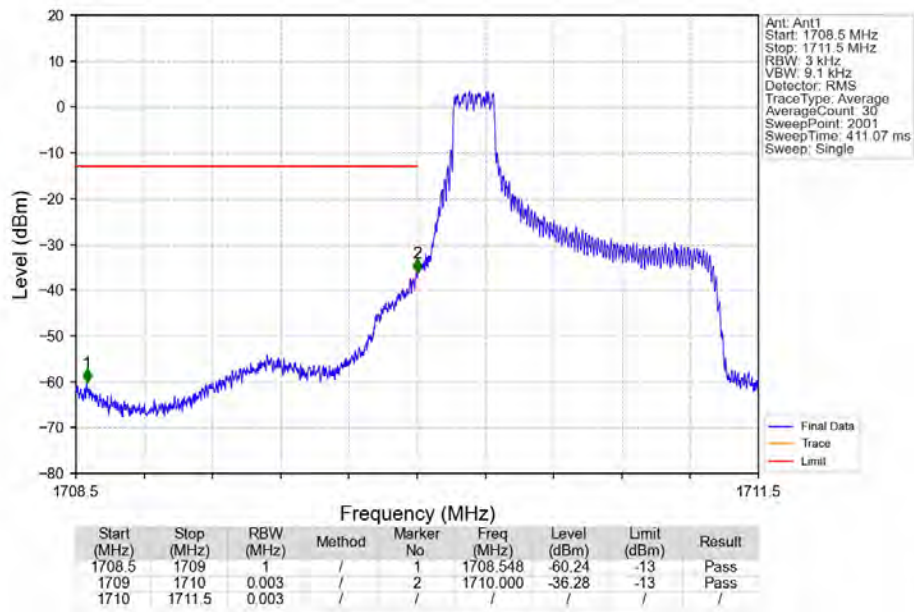
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTV



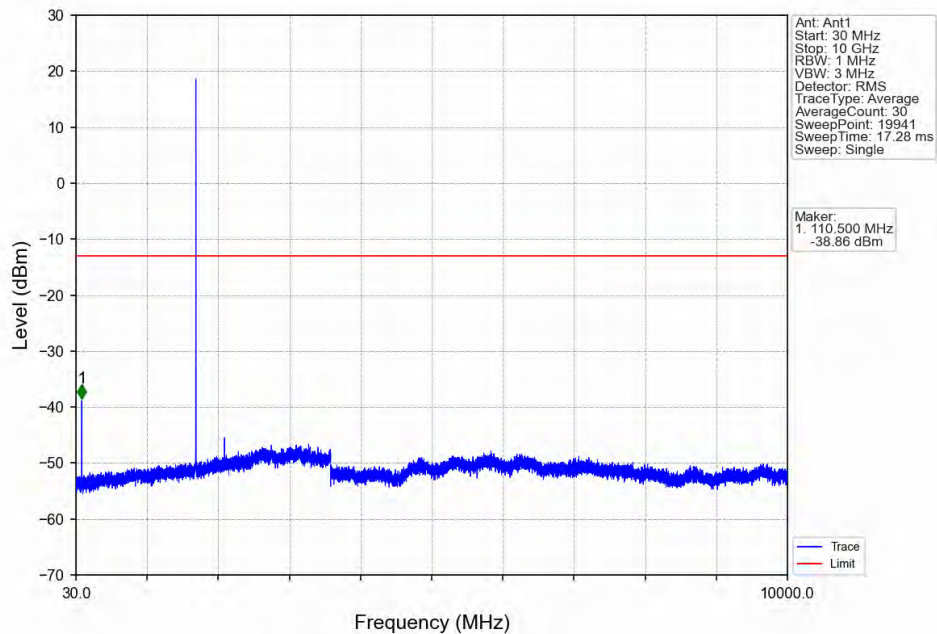
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



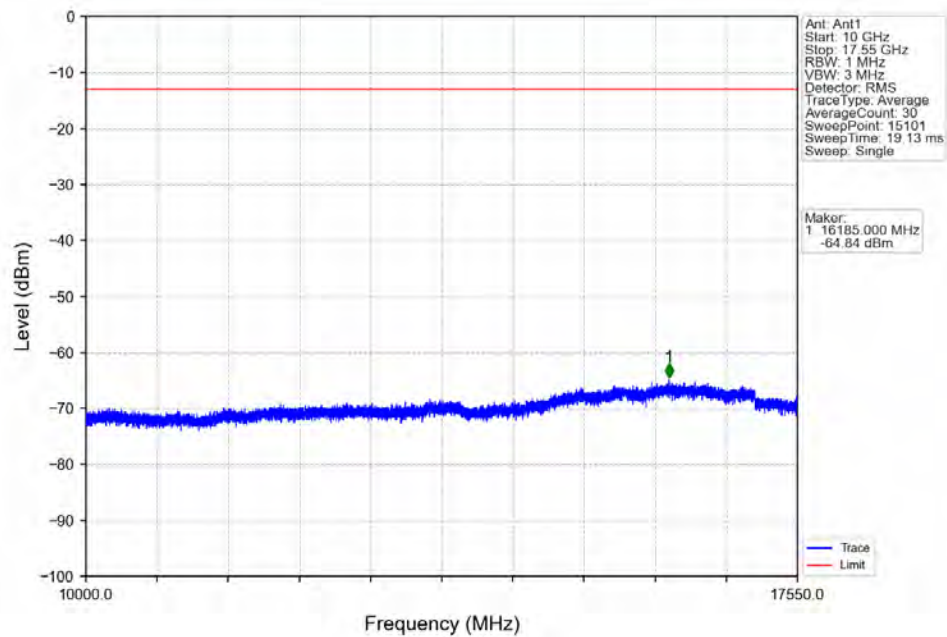
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV



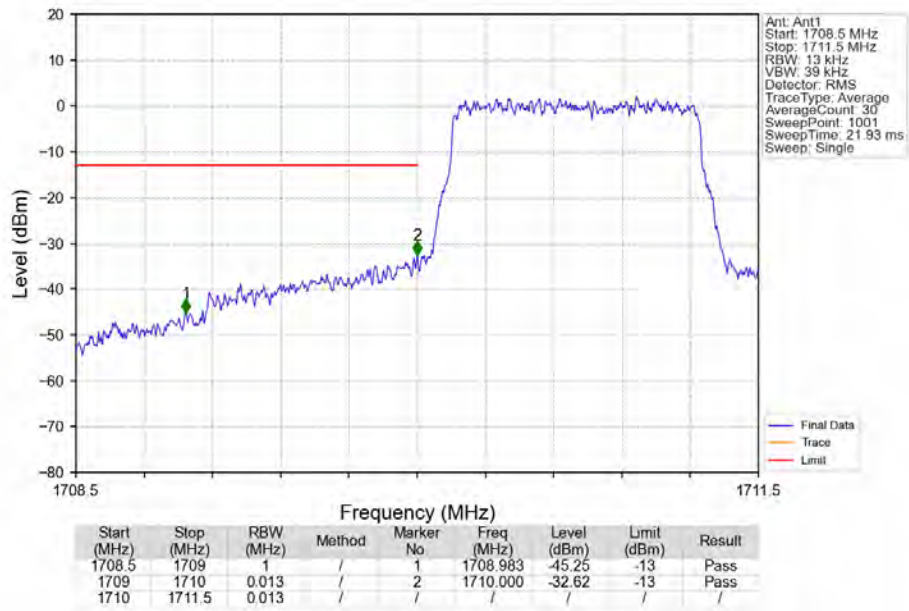
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV



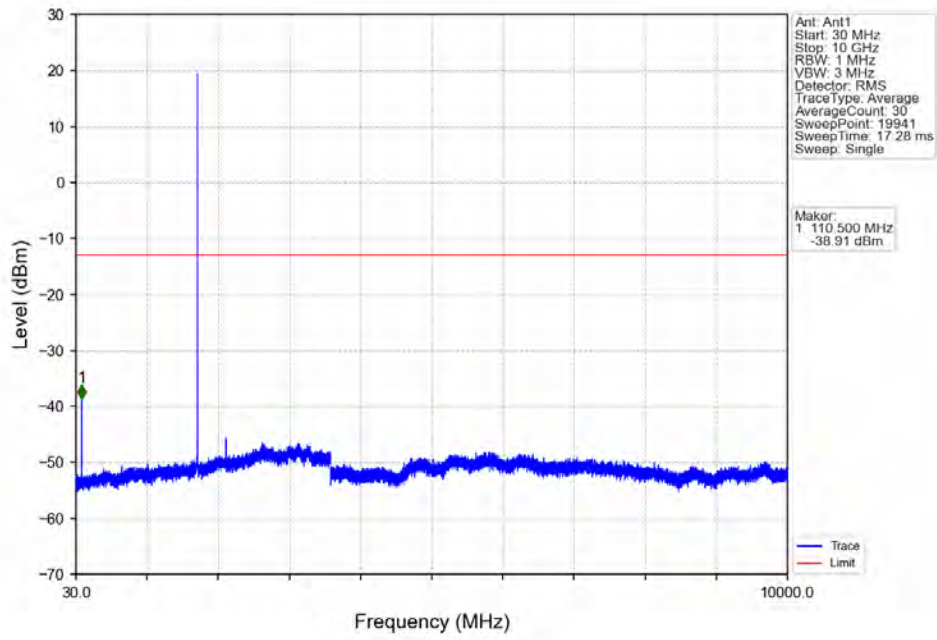
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV



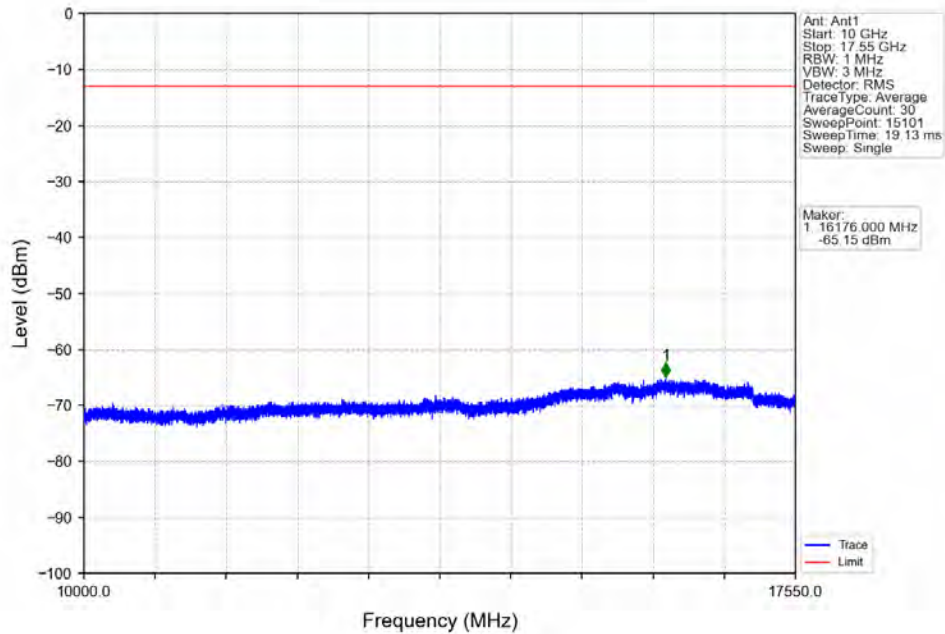
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



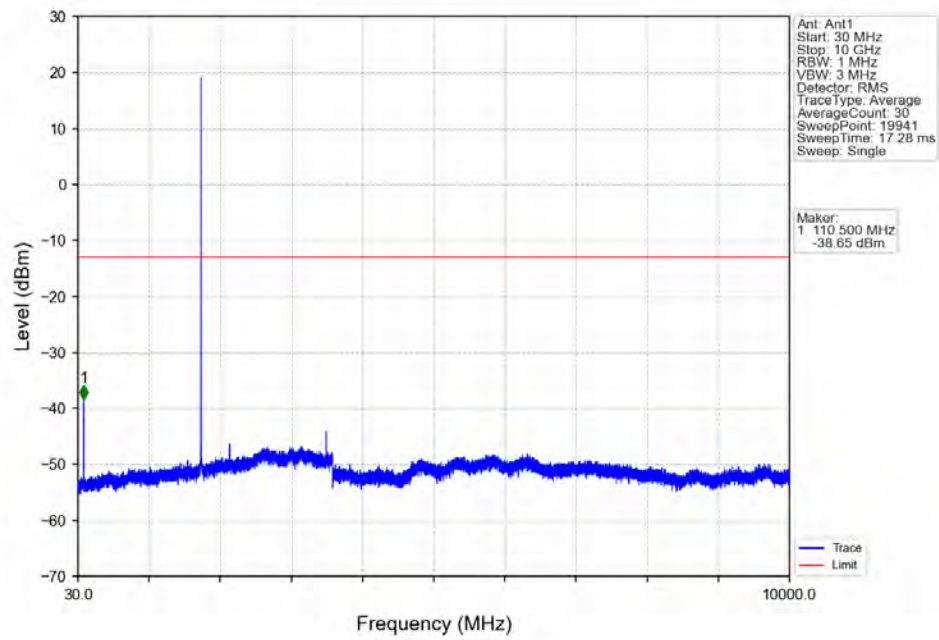
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



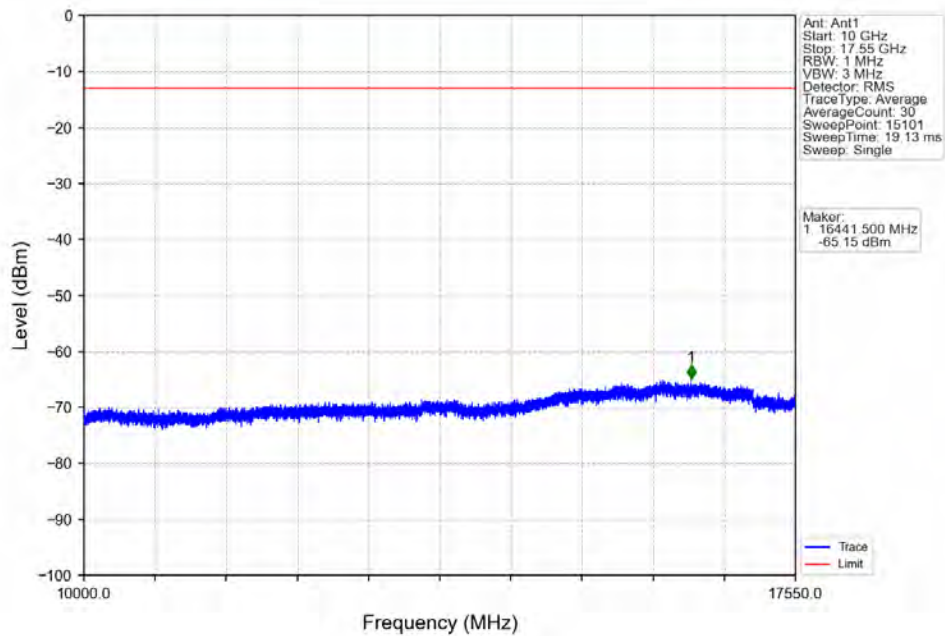
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



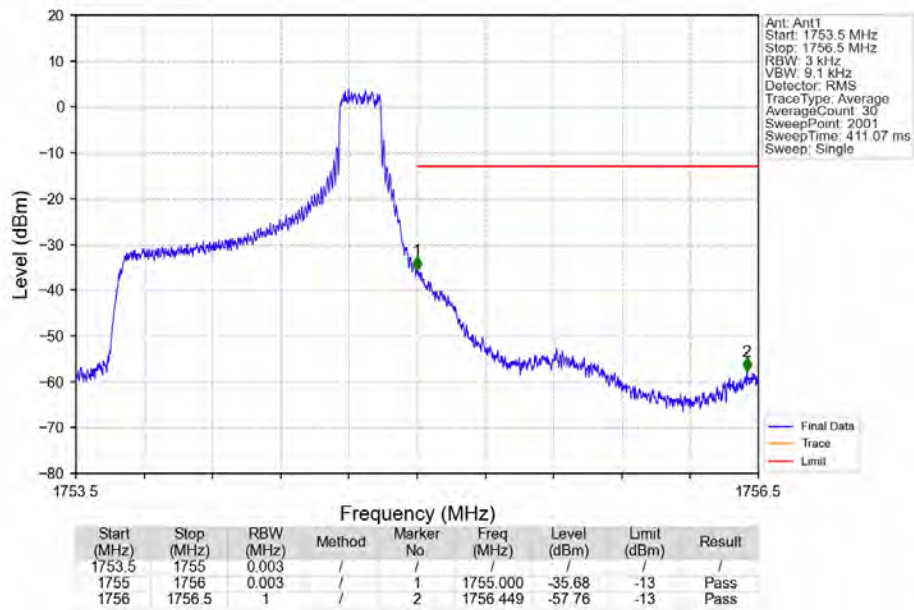
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



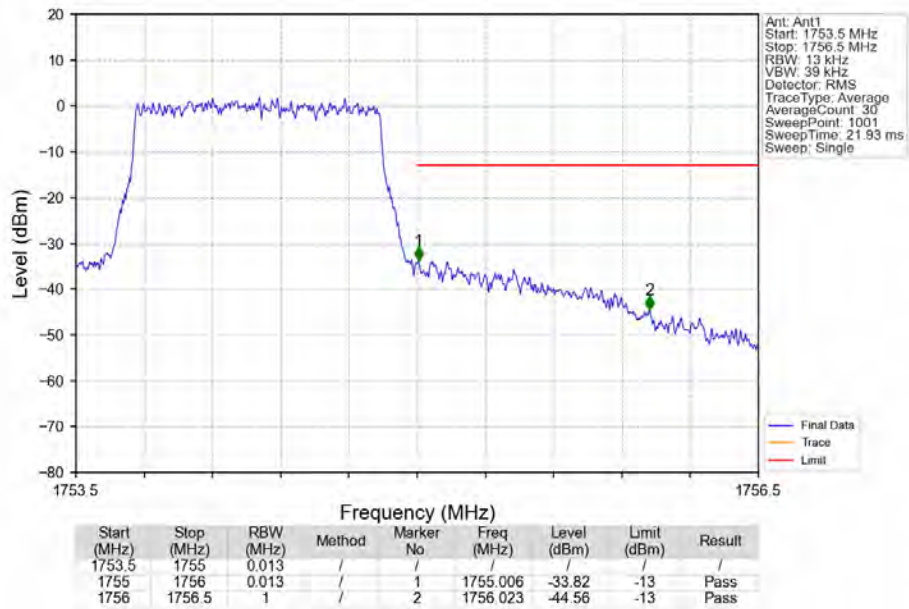
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 5 NTNV



Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

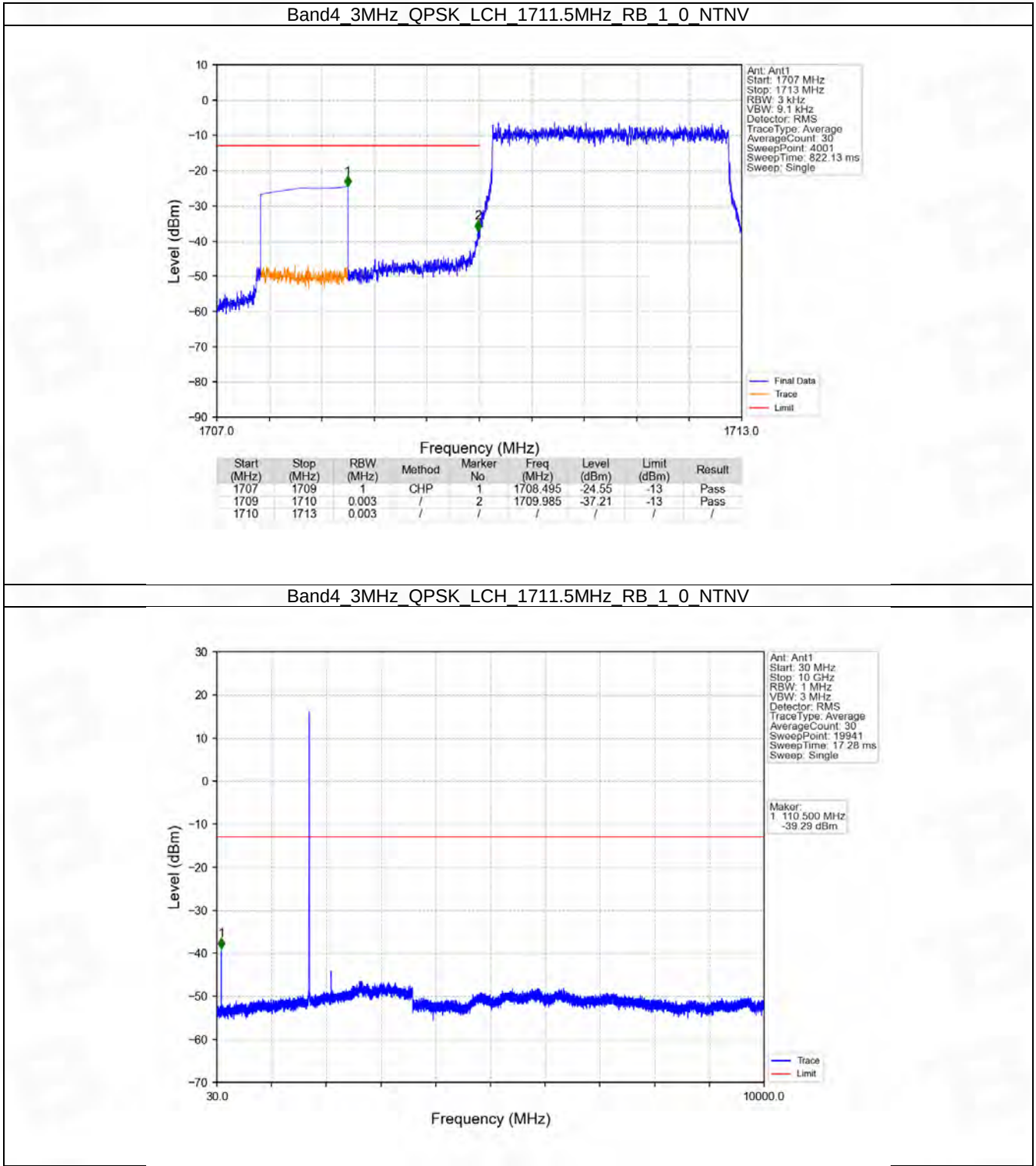


6.2 B4_3MHz

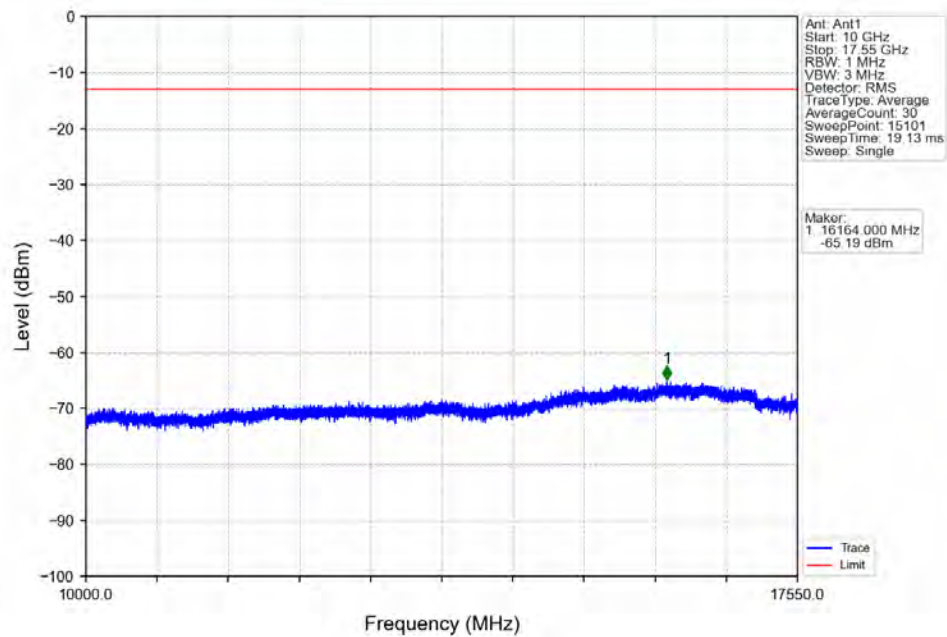
6.2.1 Test Result

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

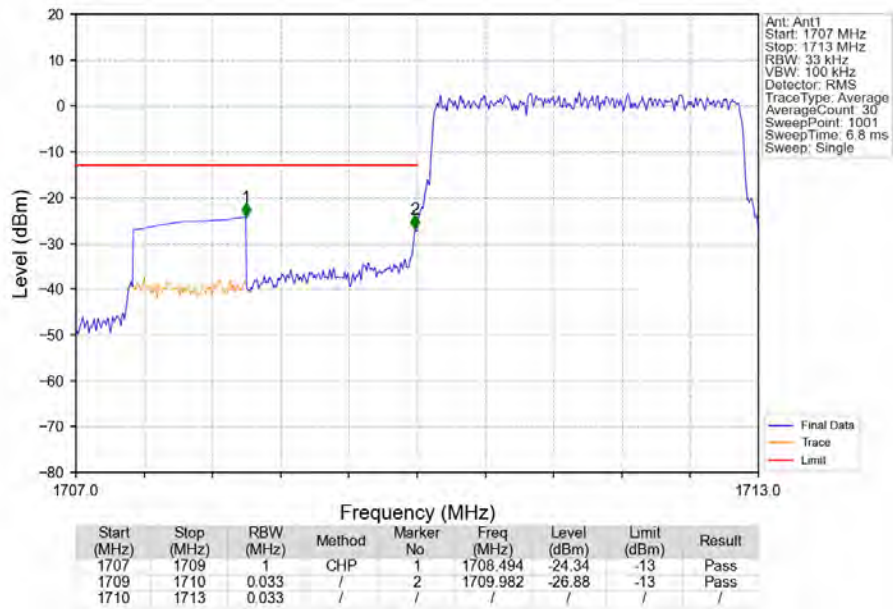
6.2.2 Test Graph



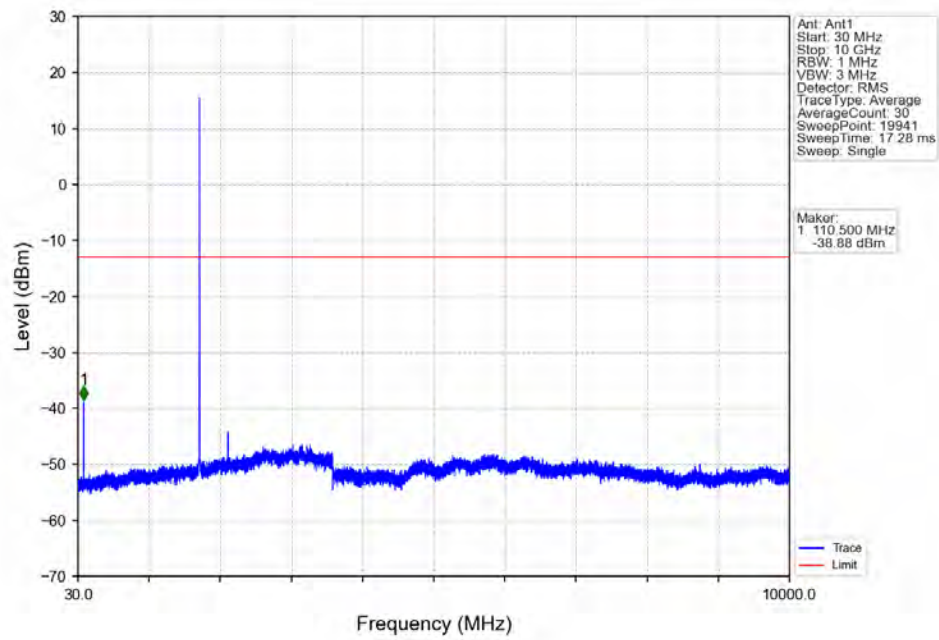
Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTNV



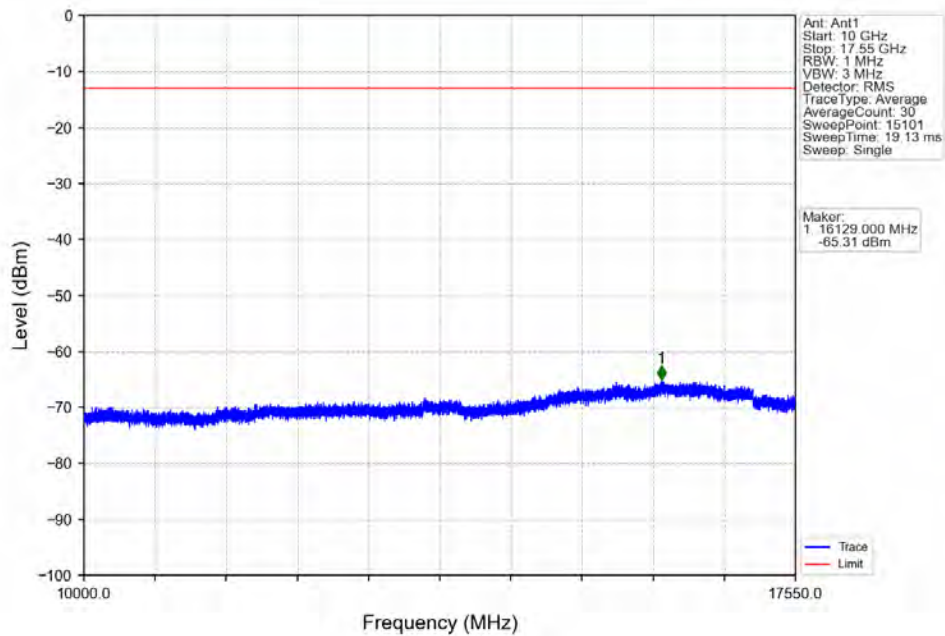
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



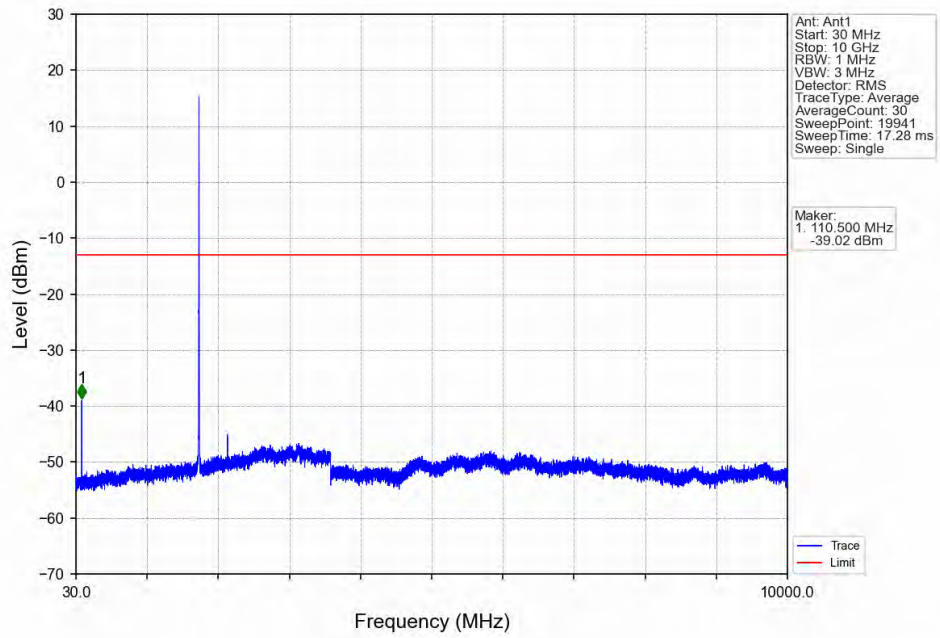
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



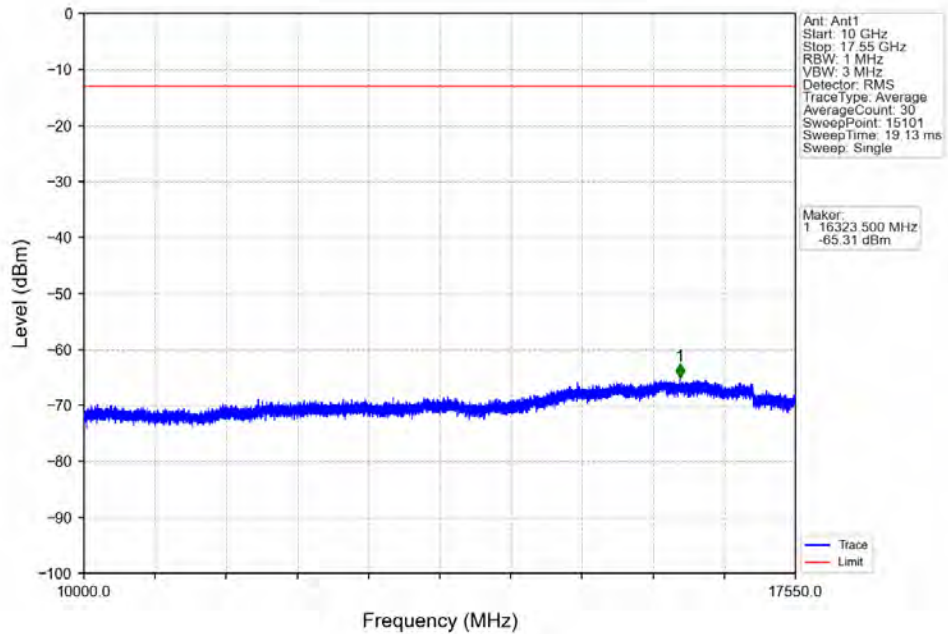
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



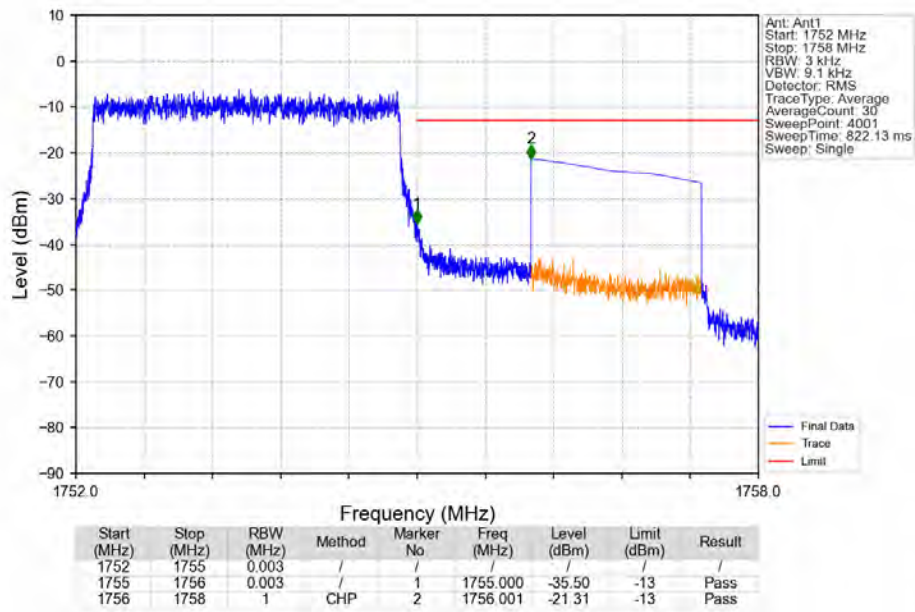
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV



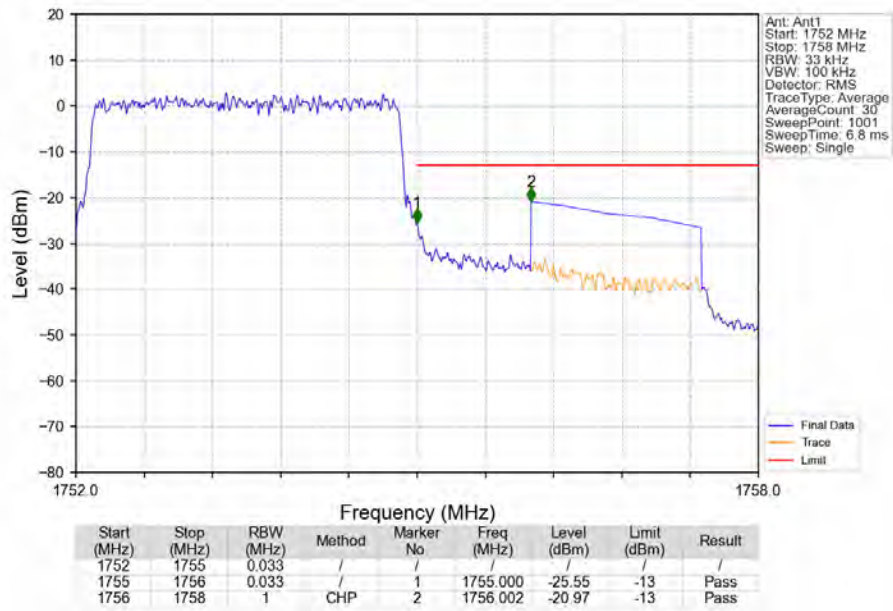
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV



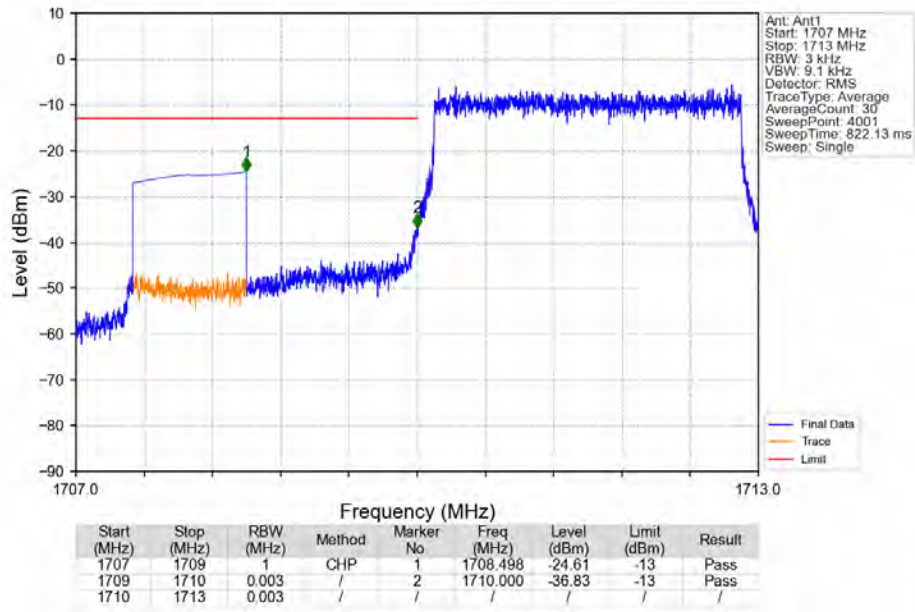
Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



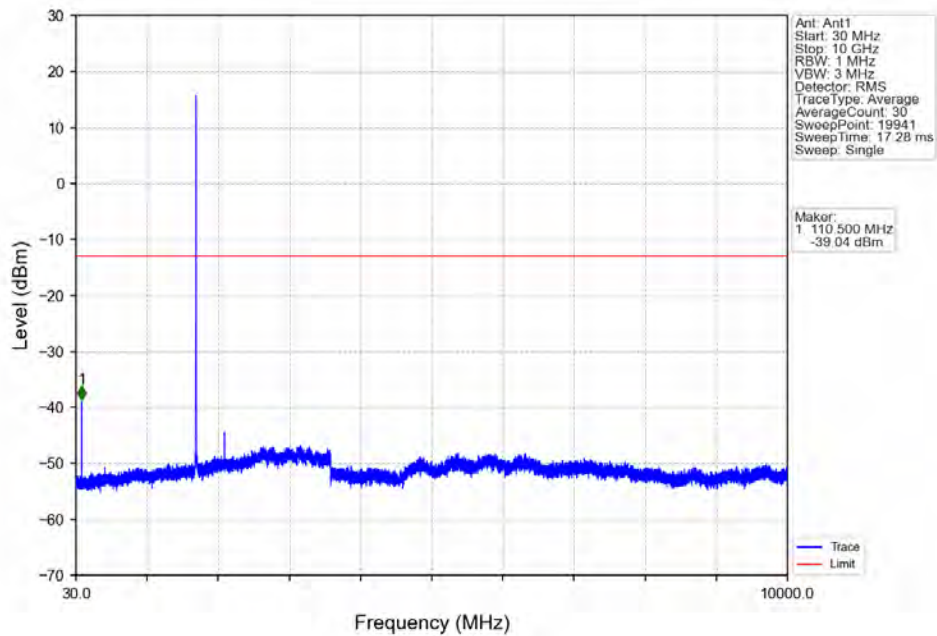
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



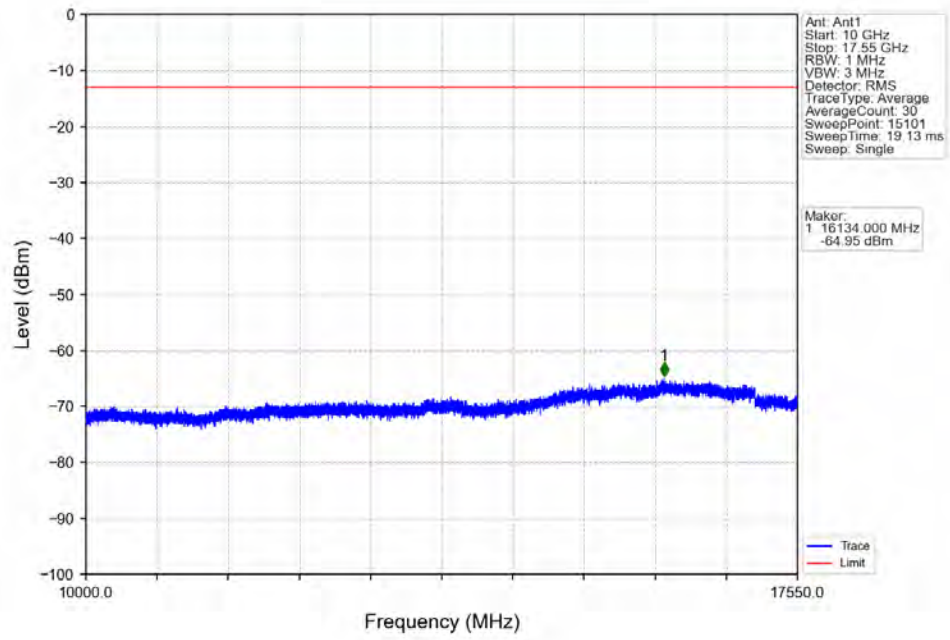
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTV



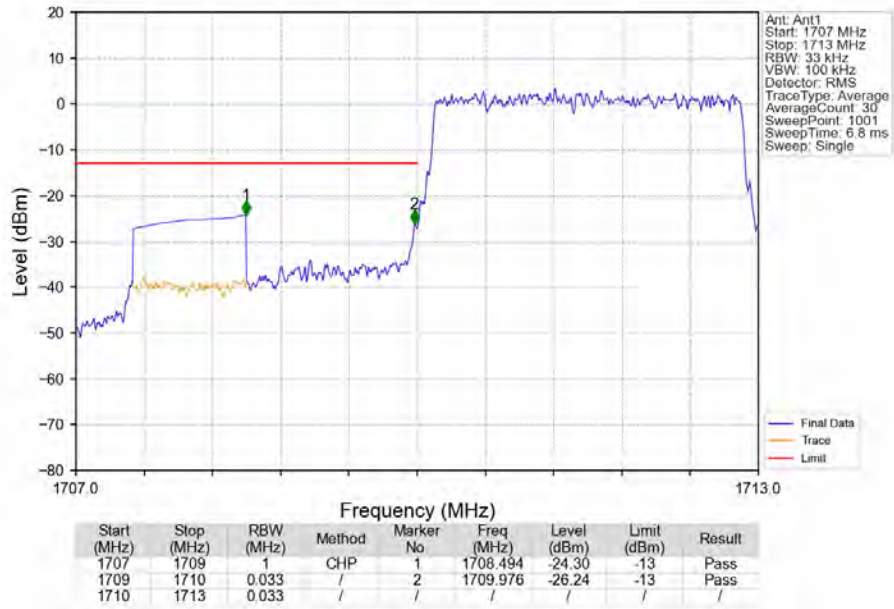
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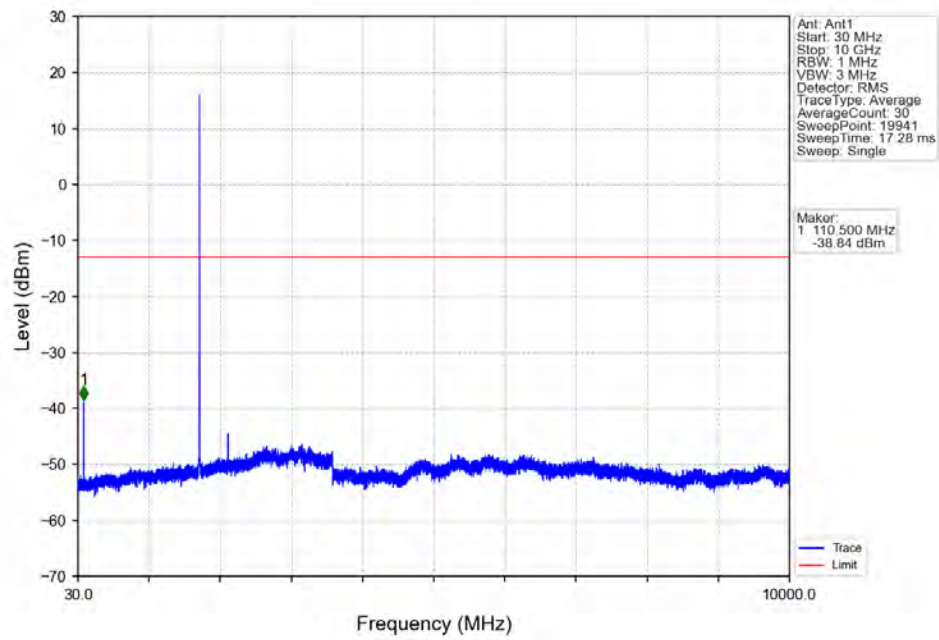
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



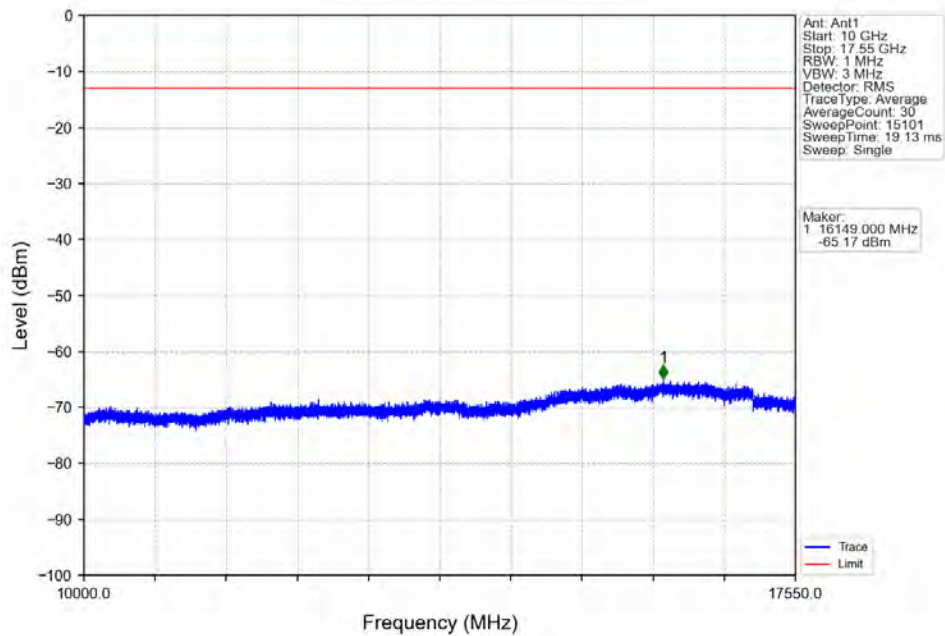
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



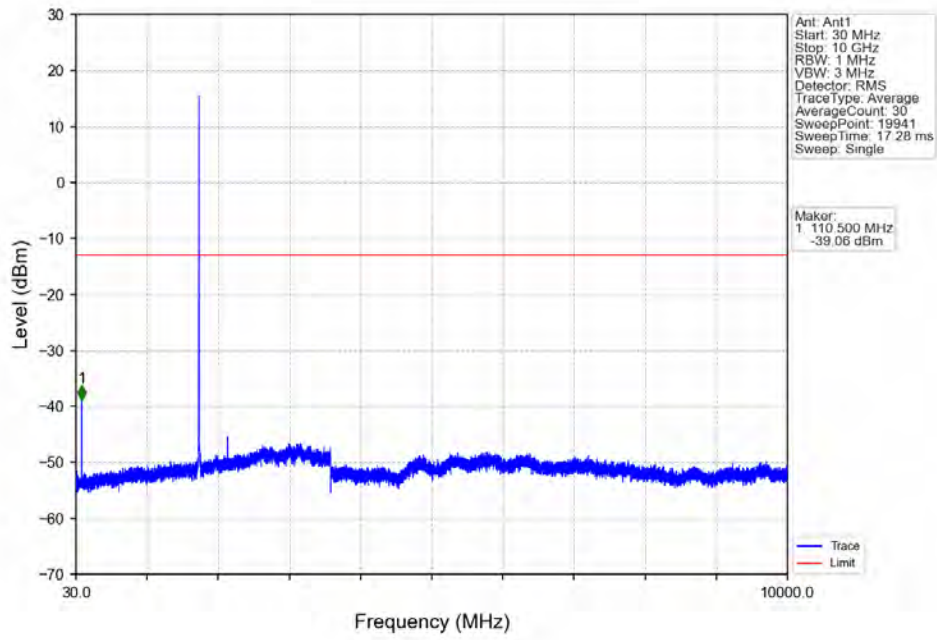
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



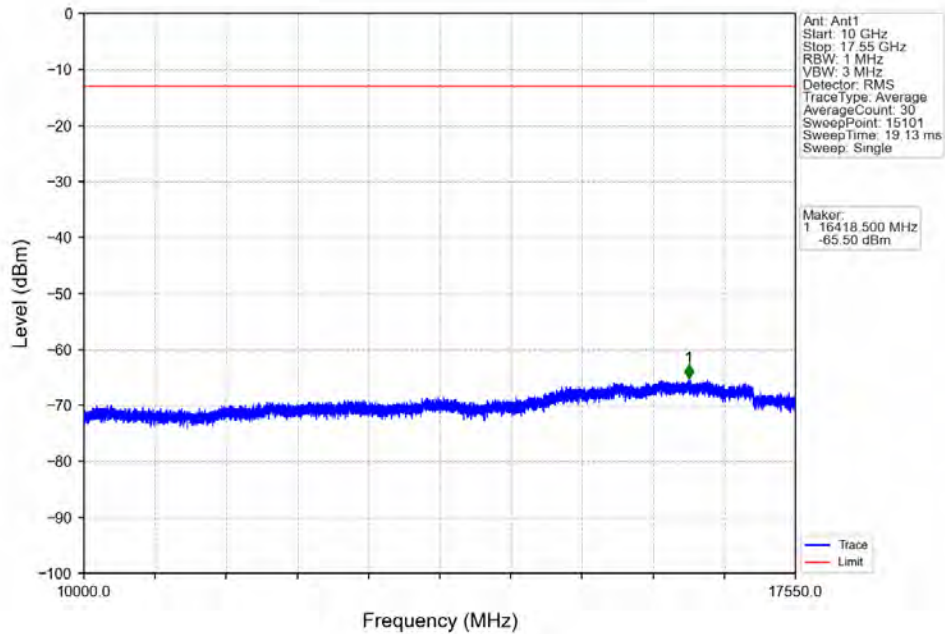
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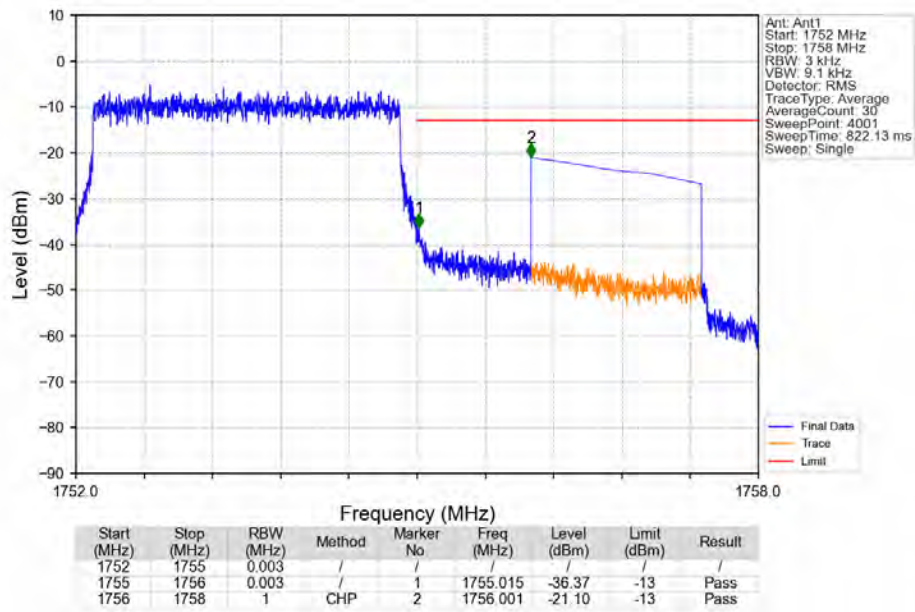
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTV



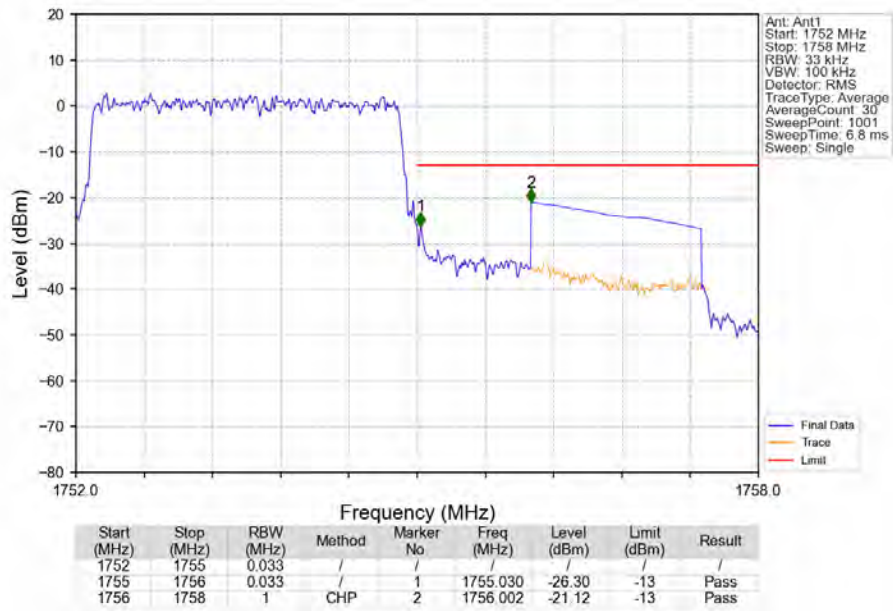
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTV



Band4 3MHz 16QAM HCH 1753.5MHz RB 1 14 NTVN



Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTVN

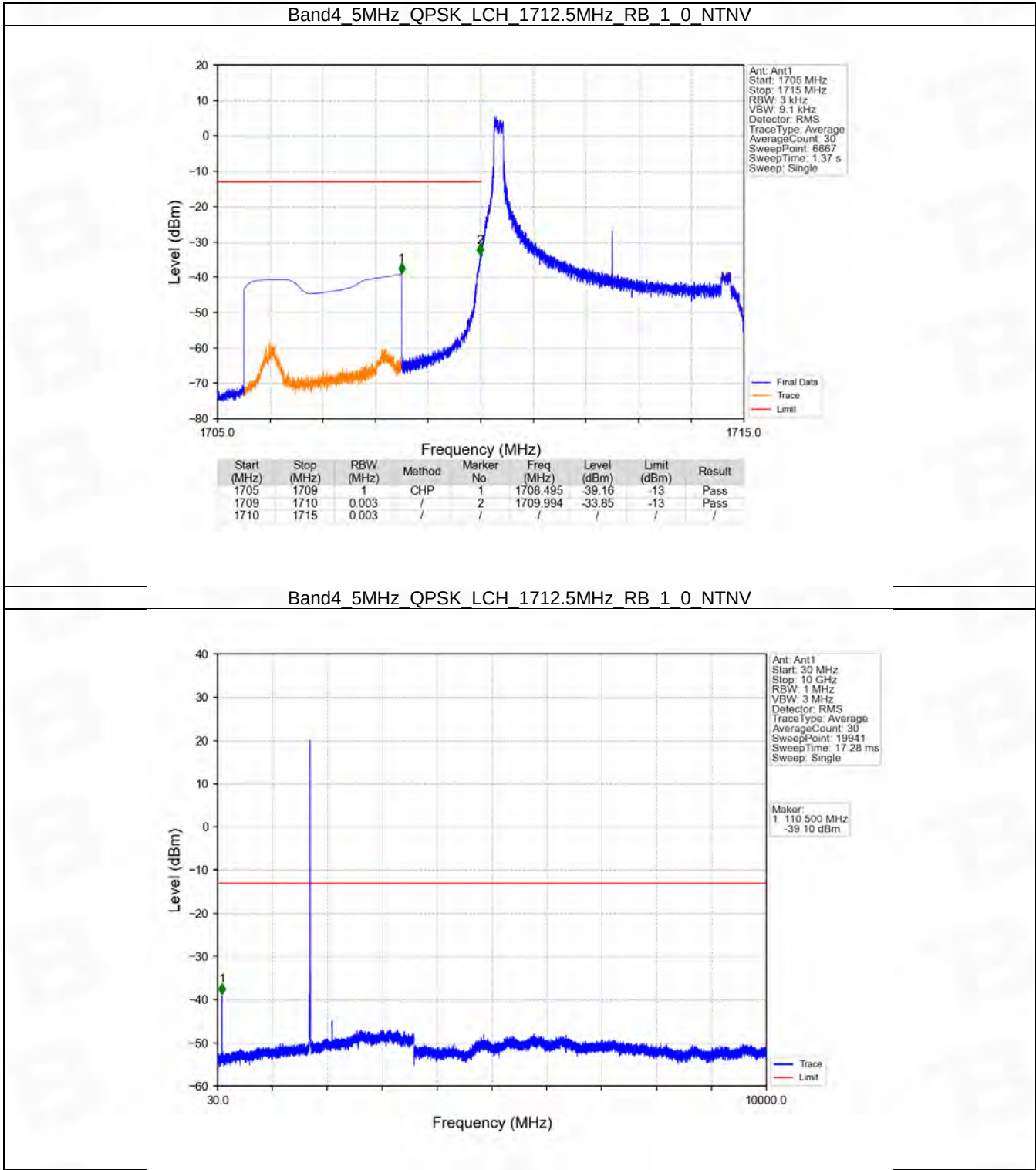


6.3 B4_5MHz

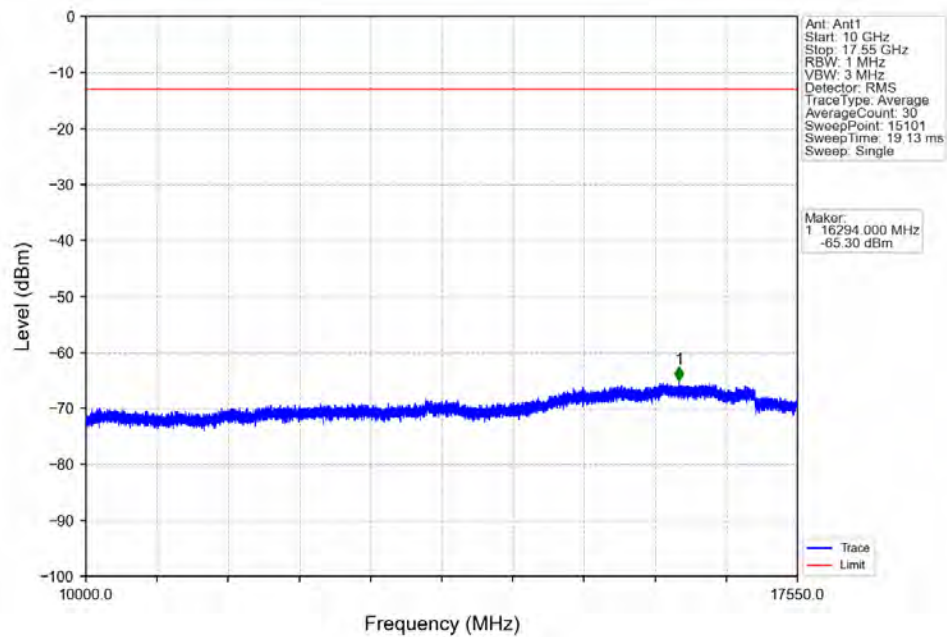
6.3.1 Test Result

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

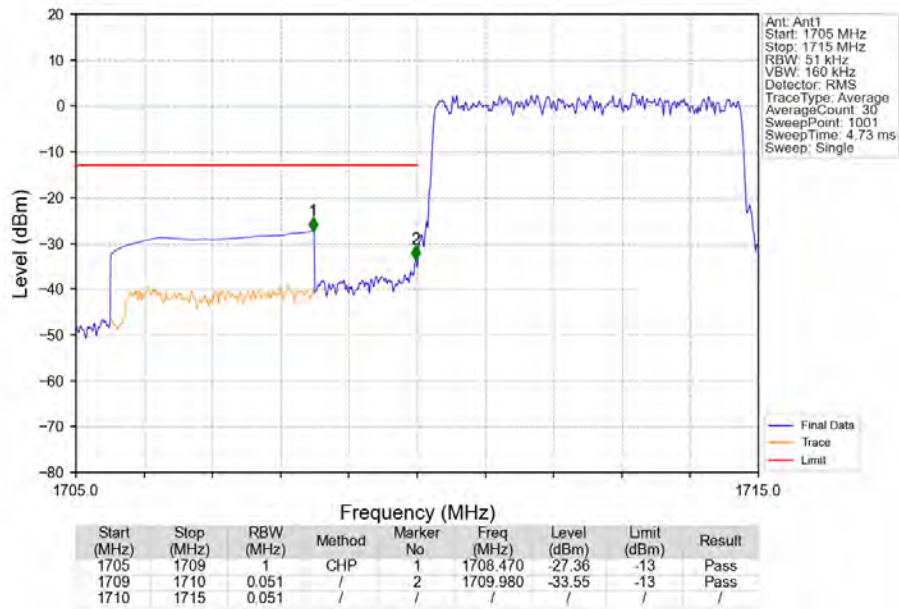
6.3.2 Test Graph



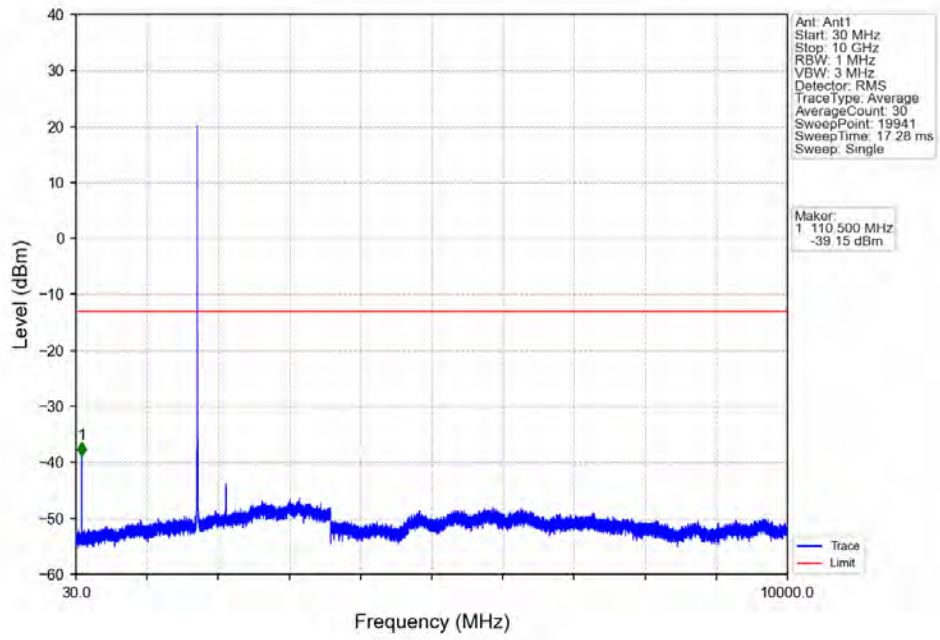
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV



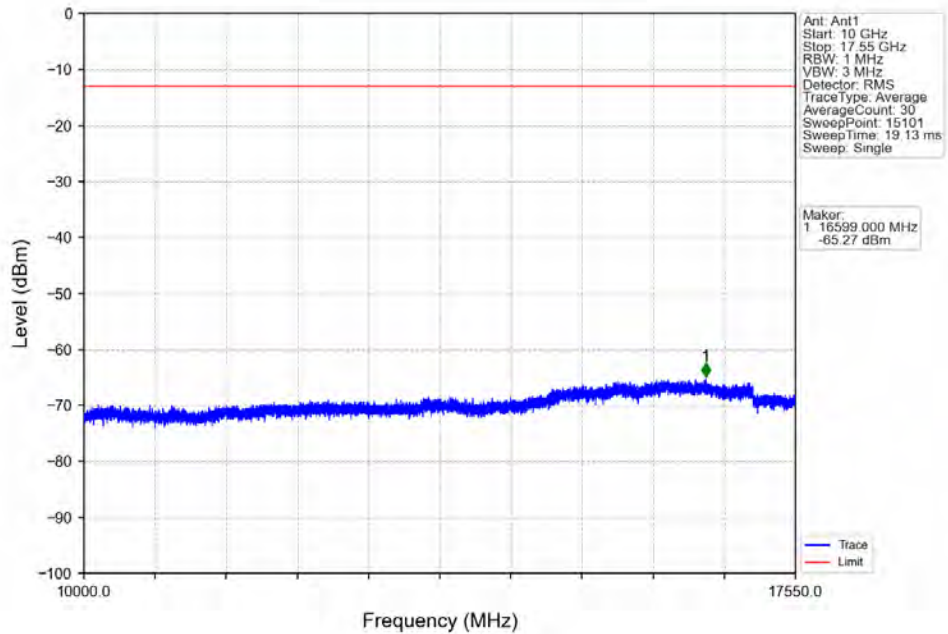
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



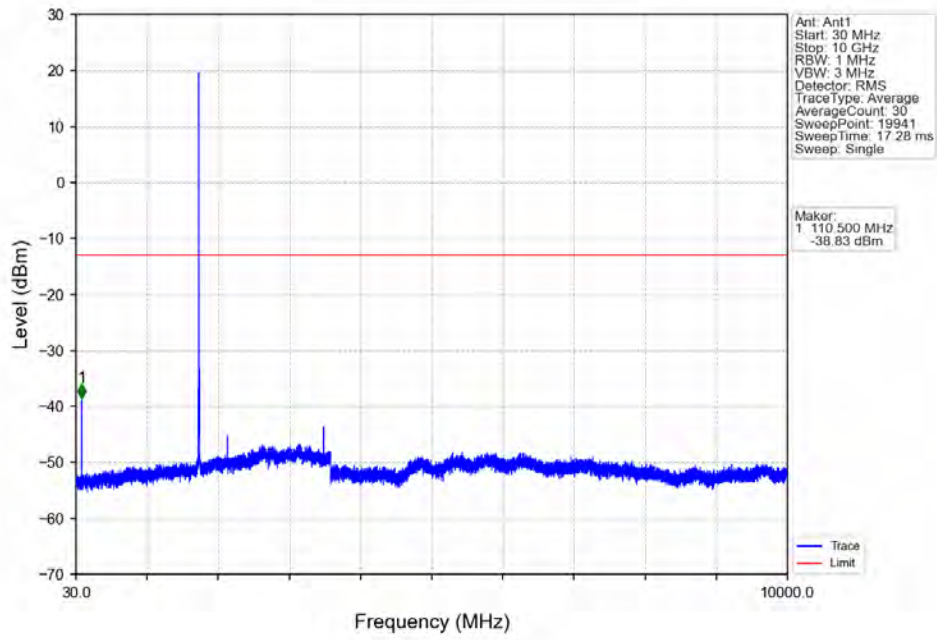
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



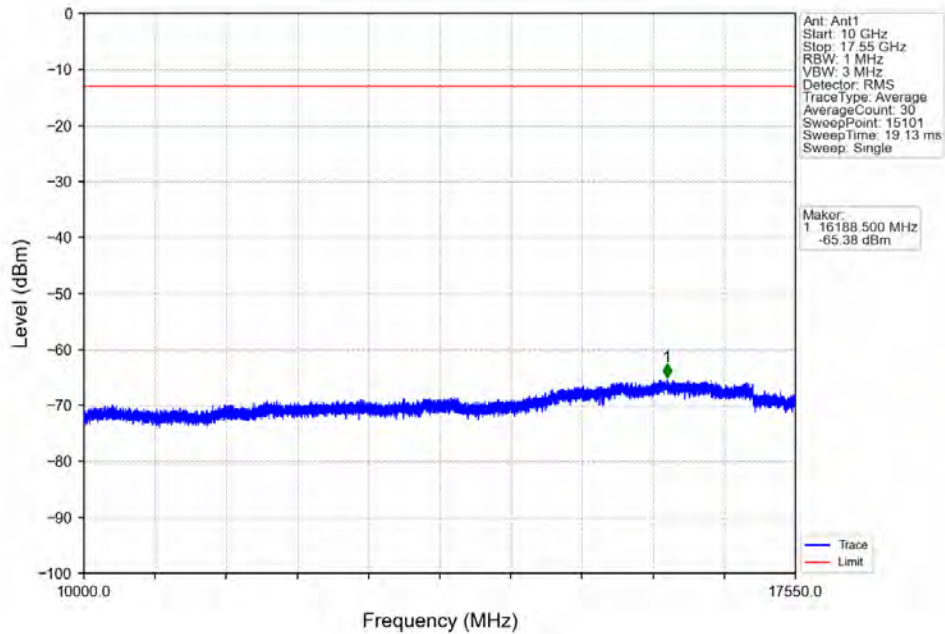
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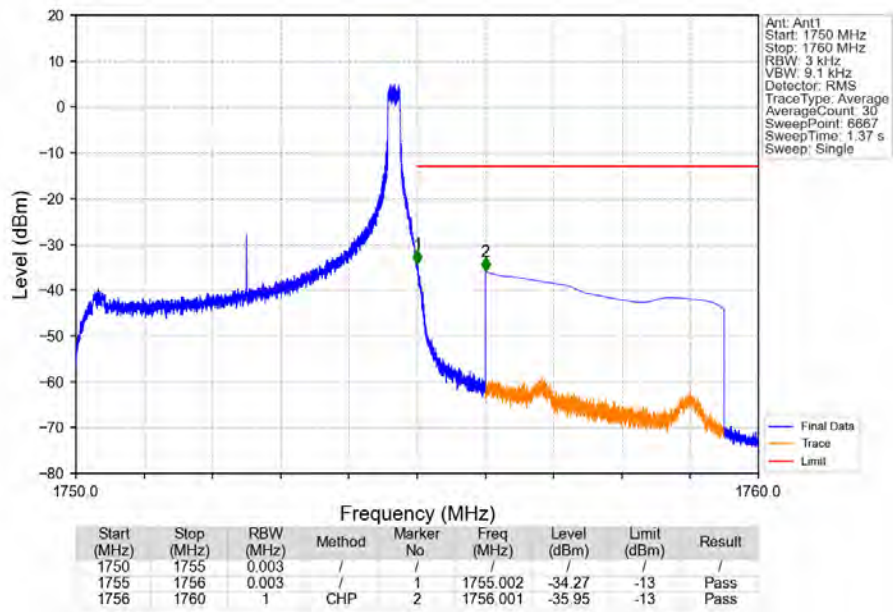
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



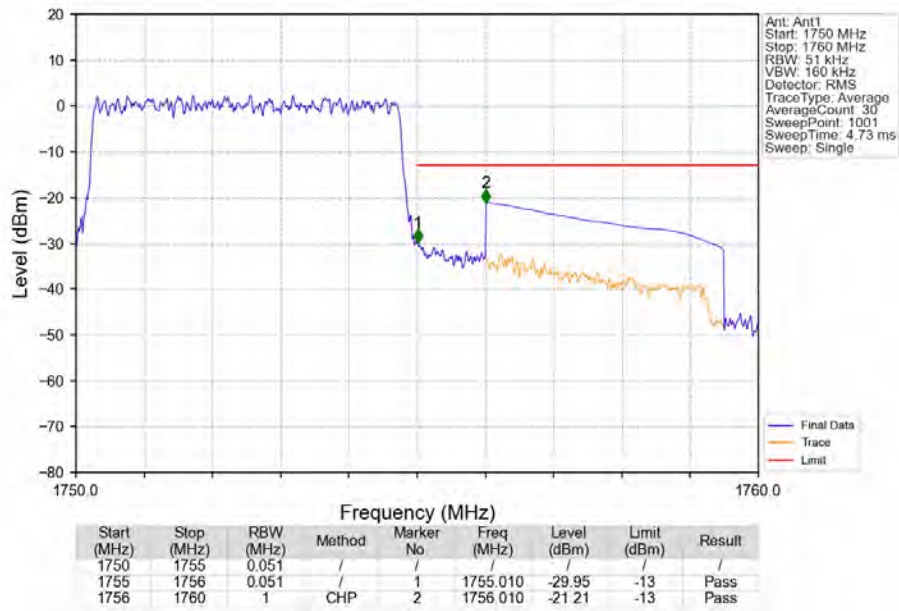
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



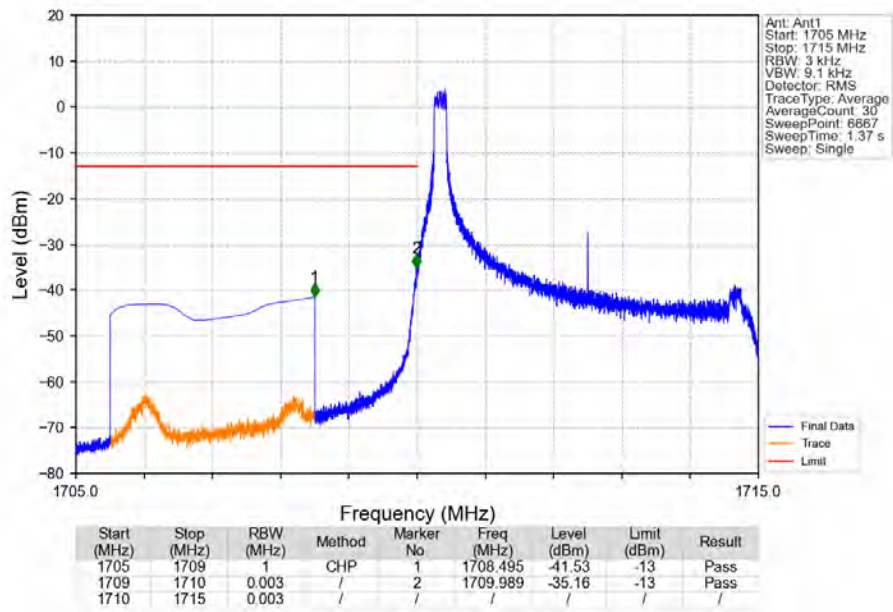
Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV



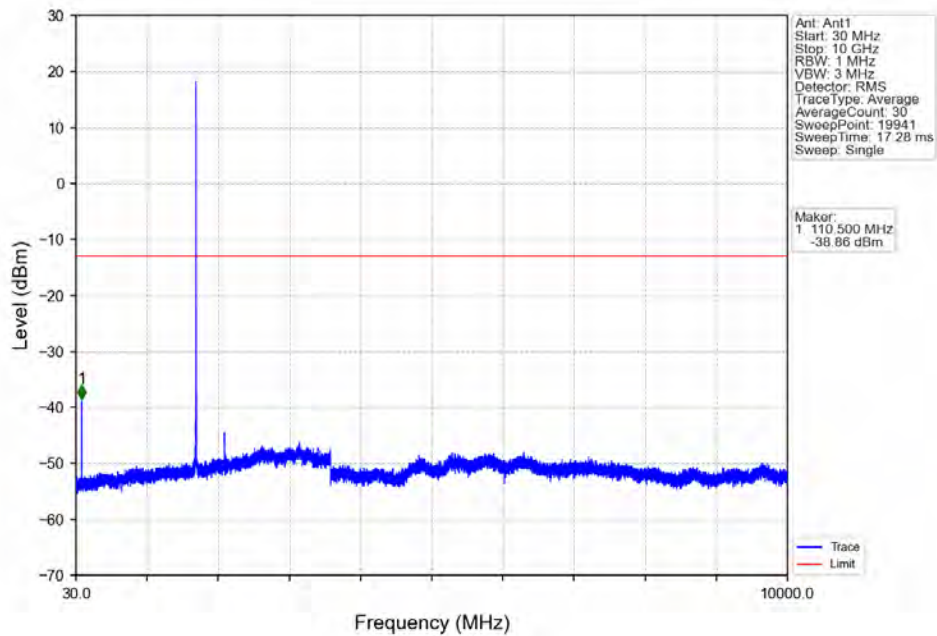
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV



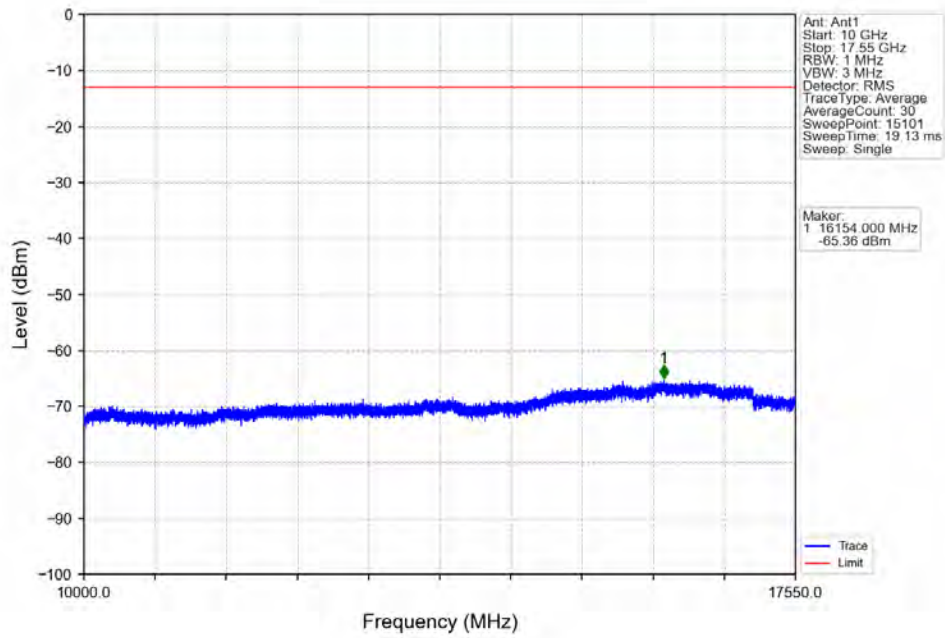
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTV



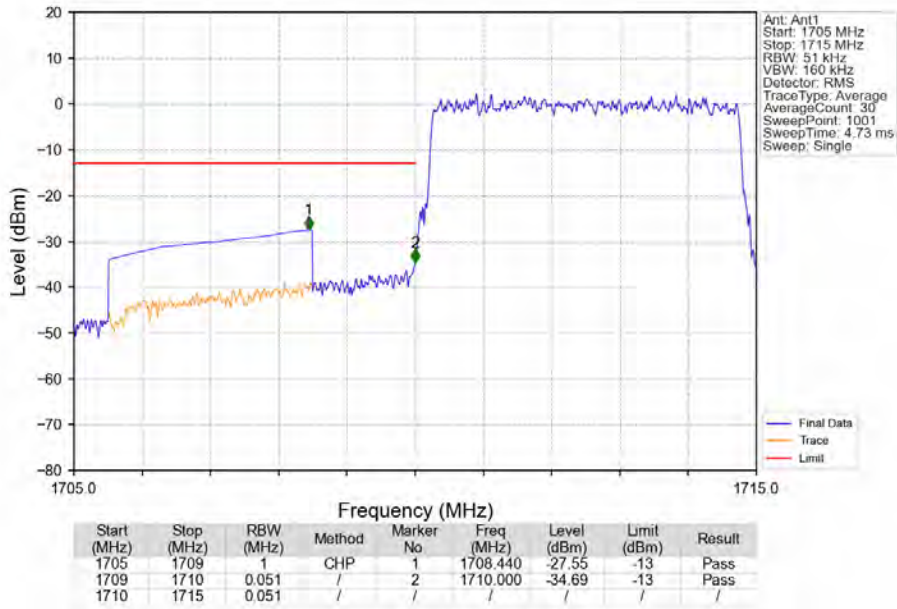
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTV



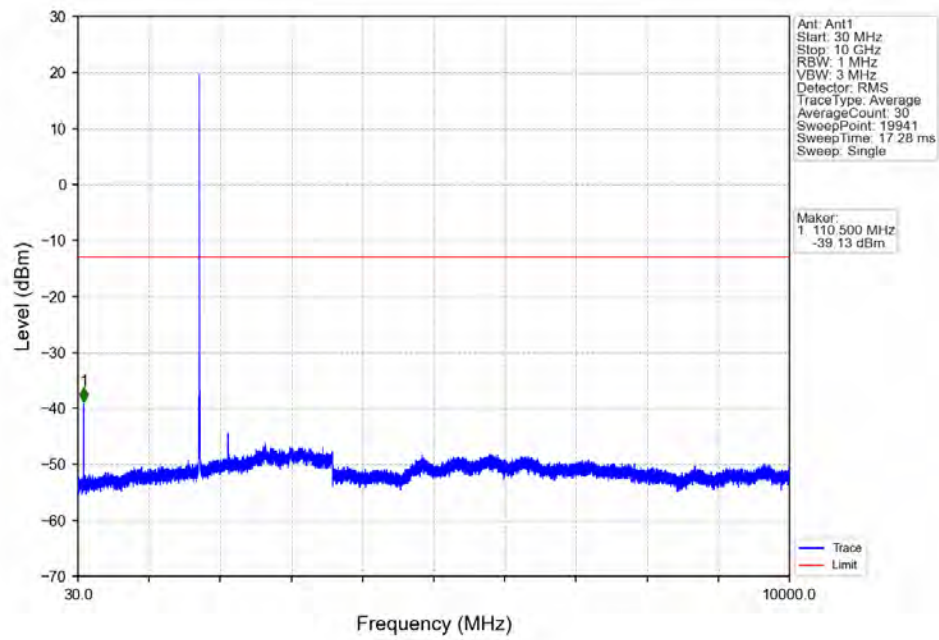
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



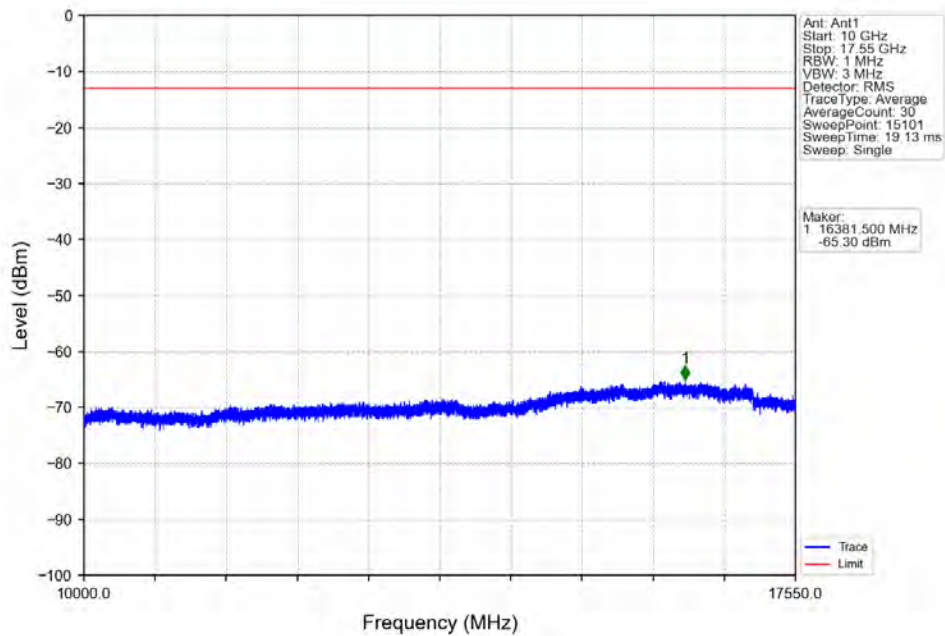
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



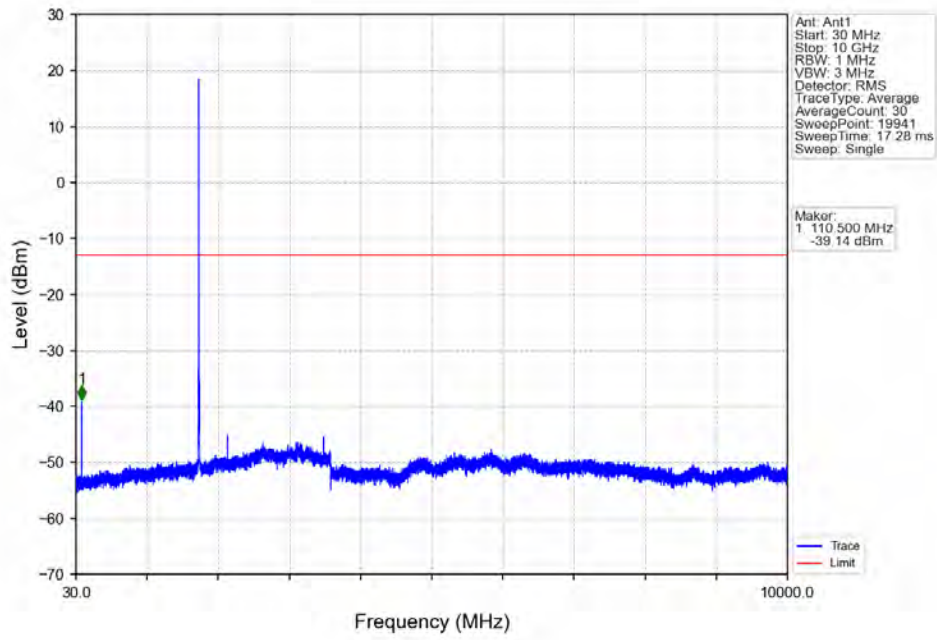
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



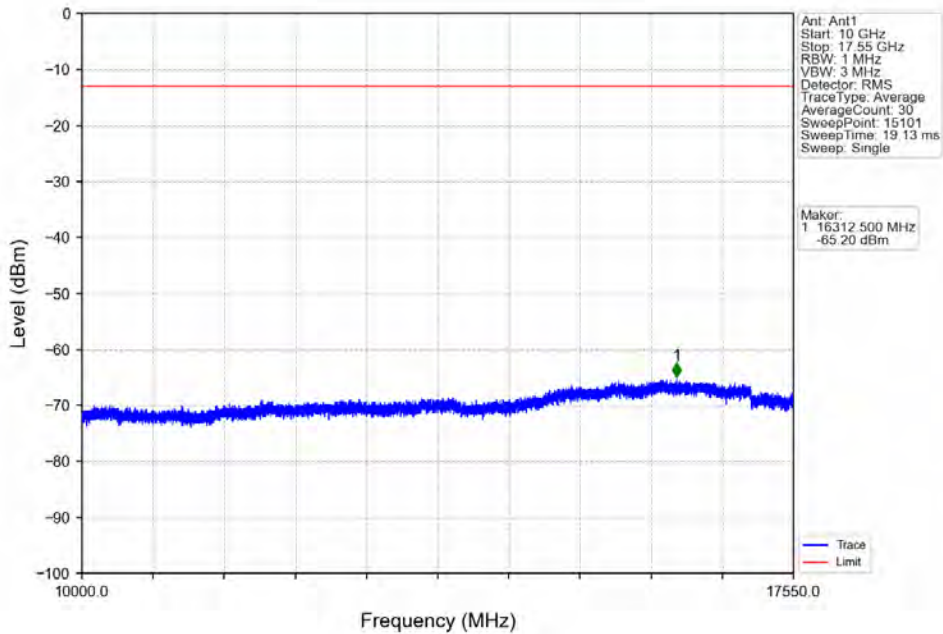
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



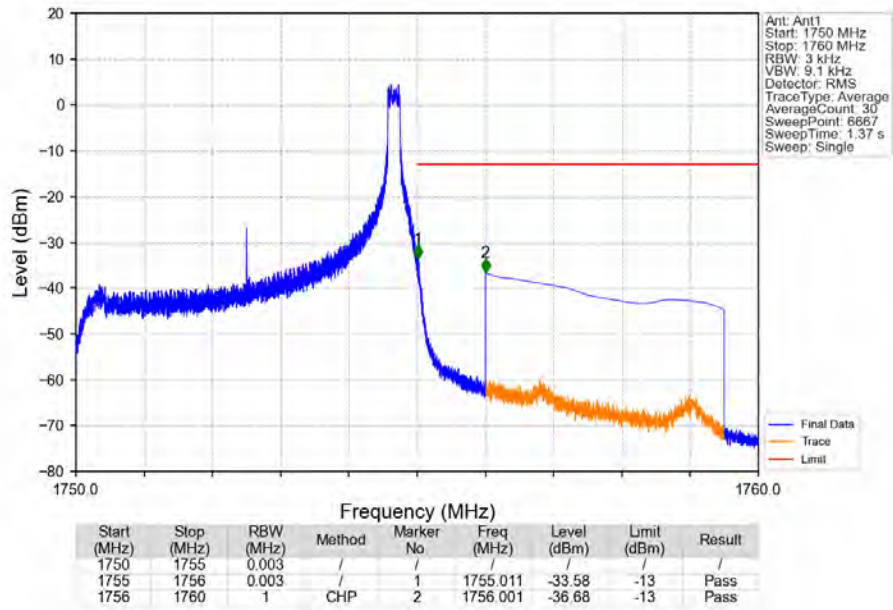
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTNV



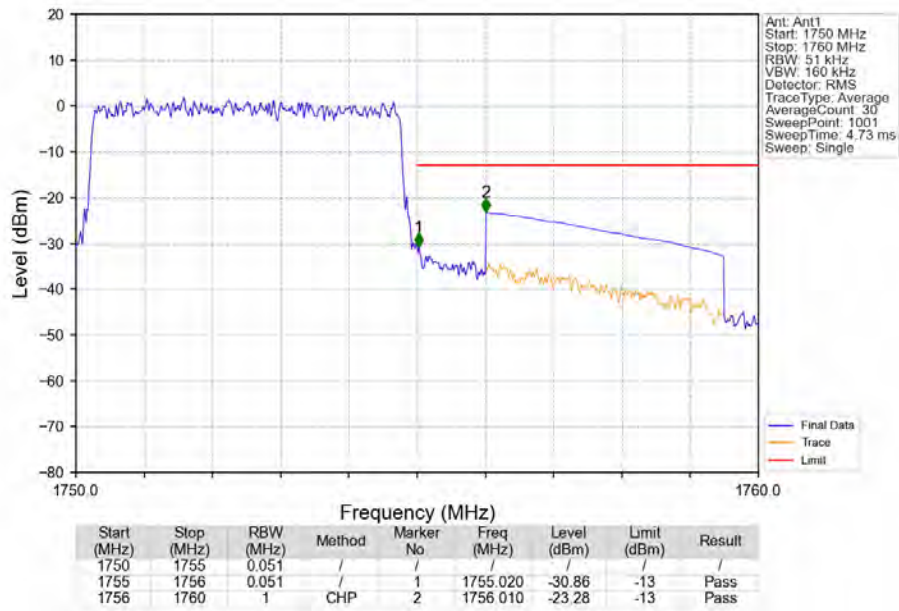
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTNV



Band4 5MHz 16QAM HCH 1752.5MHz RB 1 24 NTVN



Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTVN

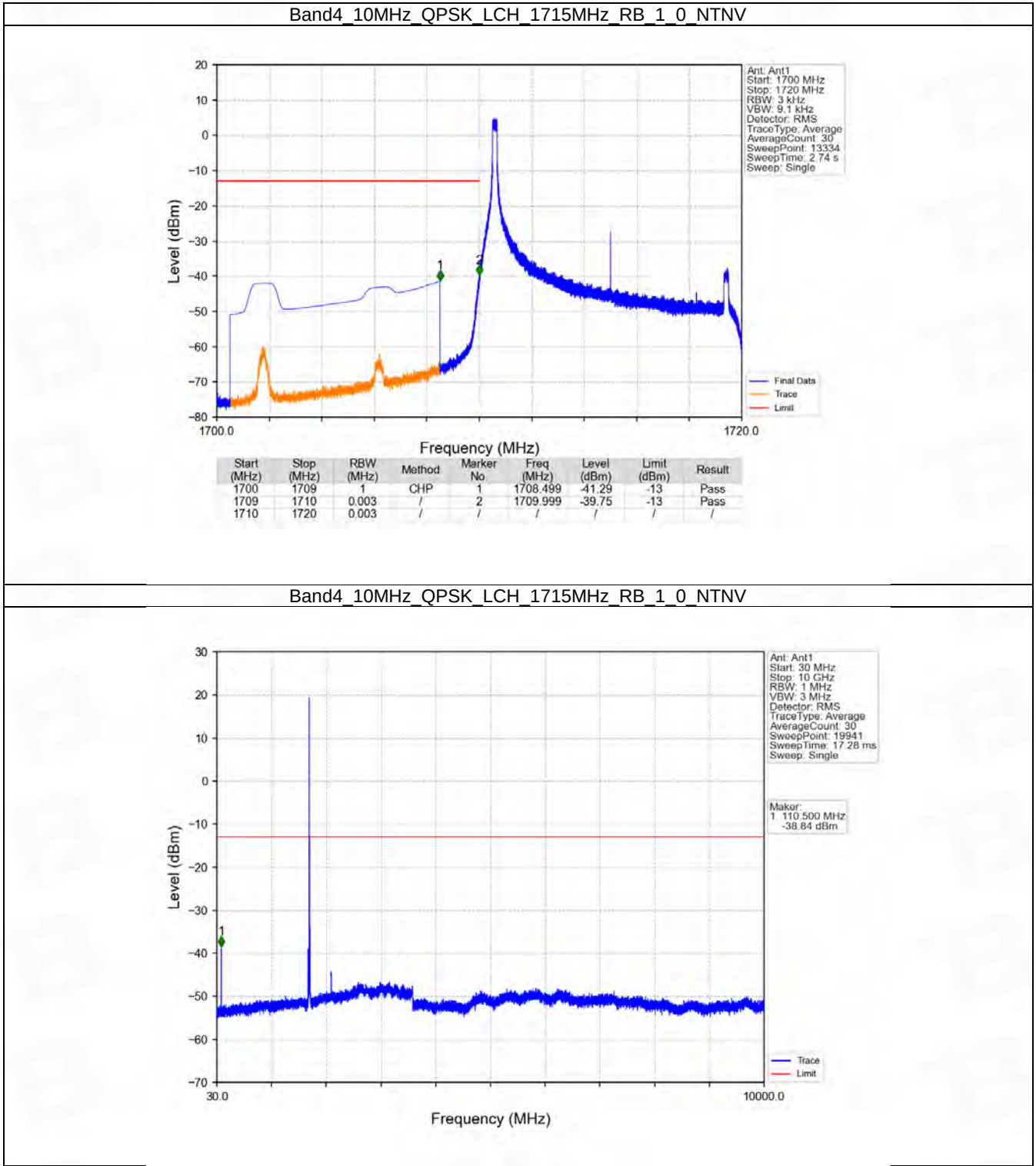


6.4 B4_10MHz

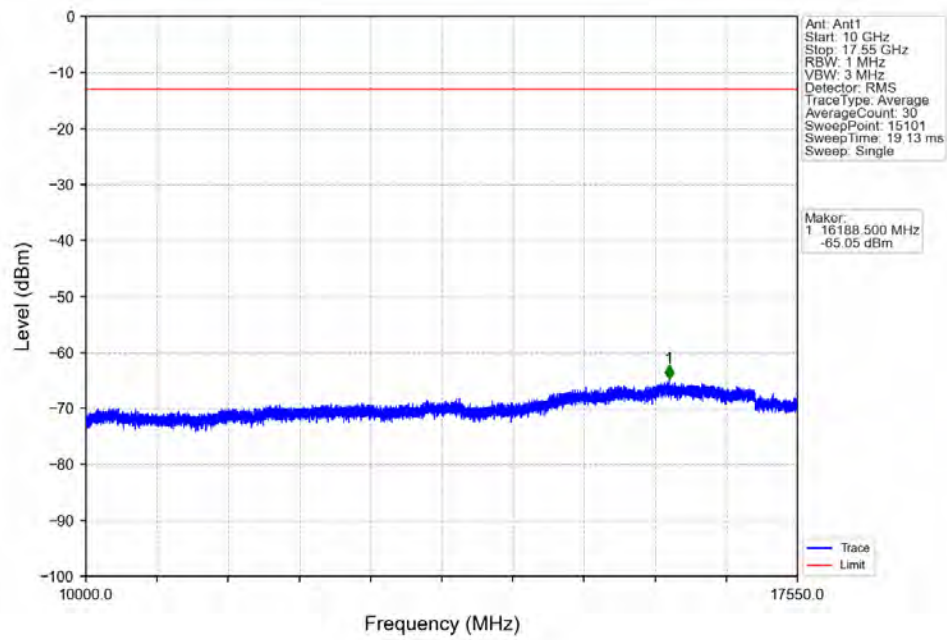
6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTV						
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
		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

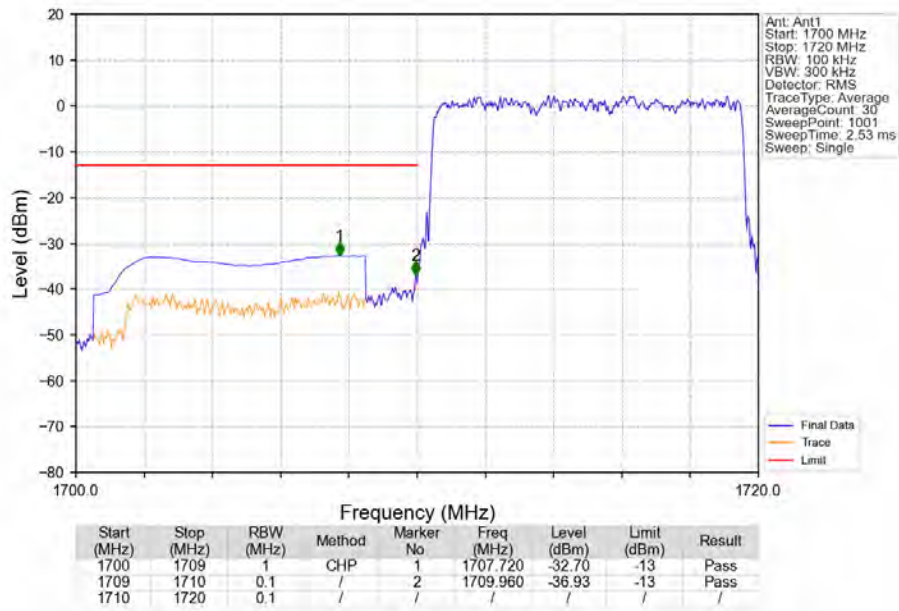
6.4.2 Test Graph



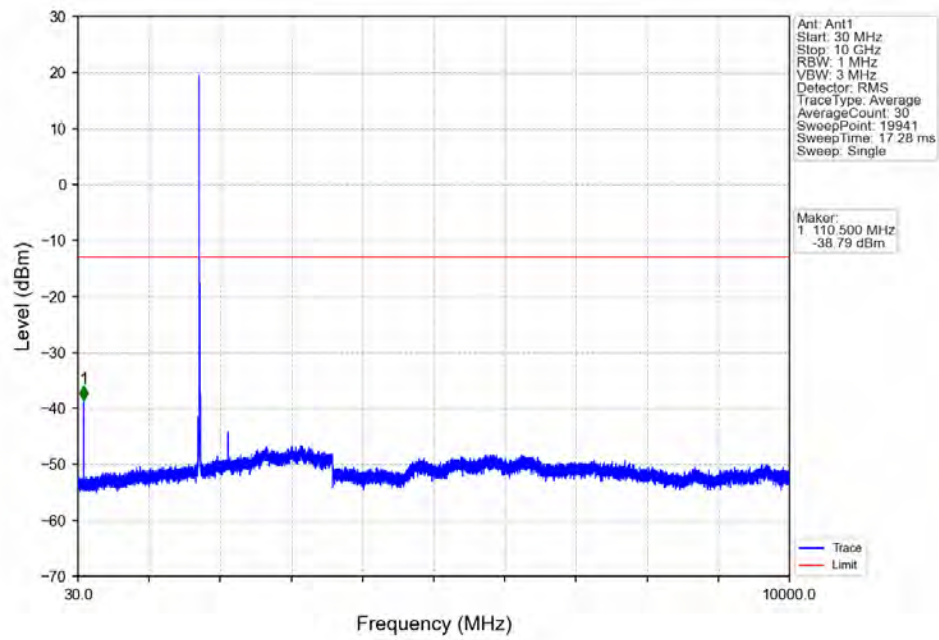
Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTN



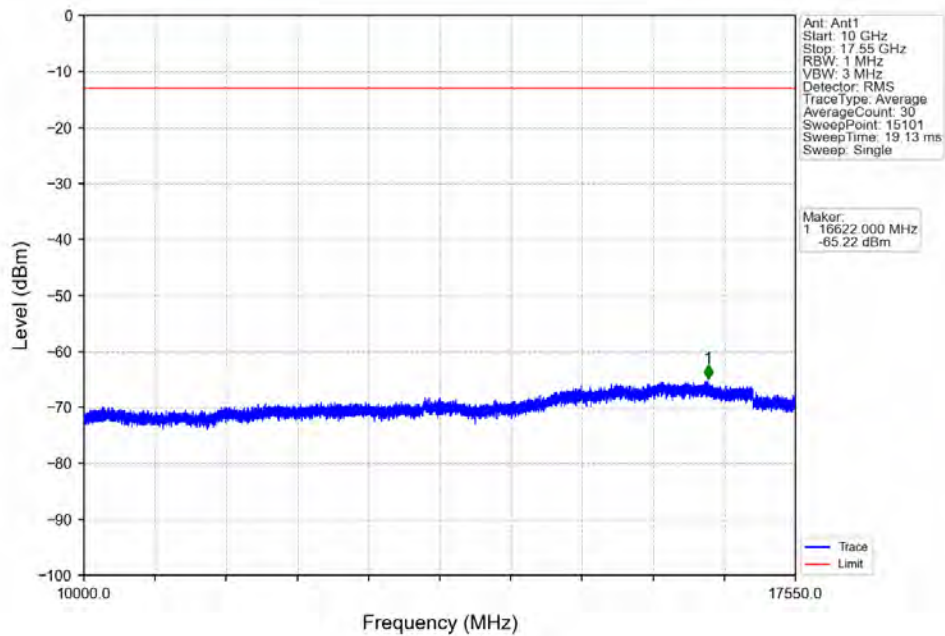
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



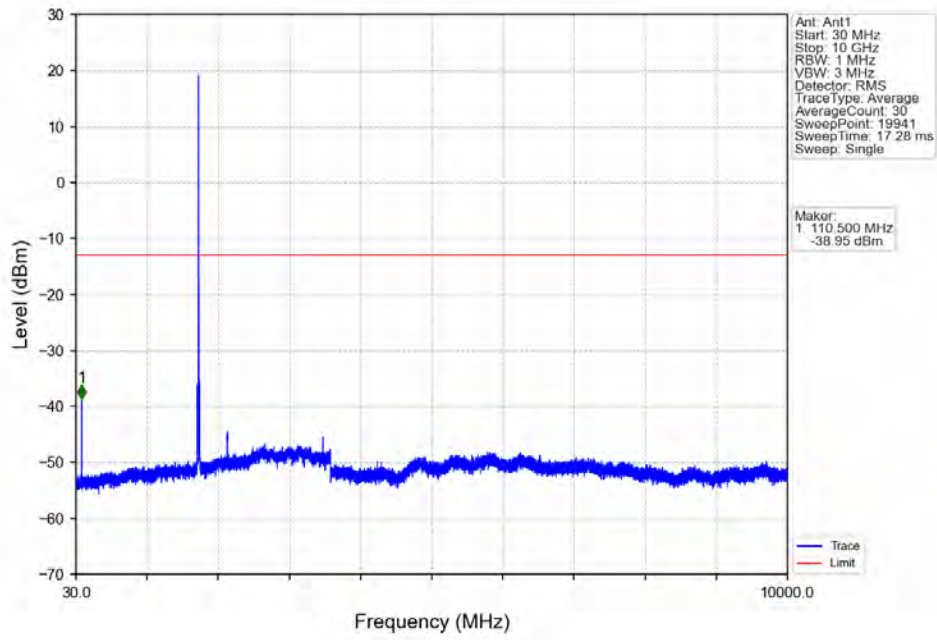
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



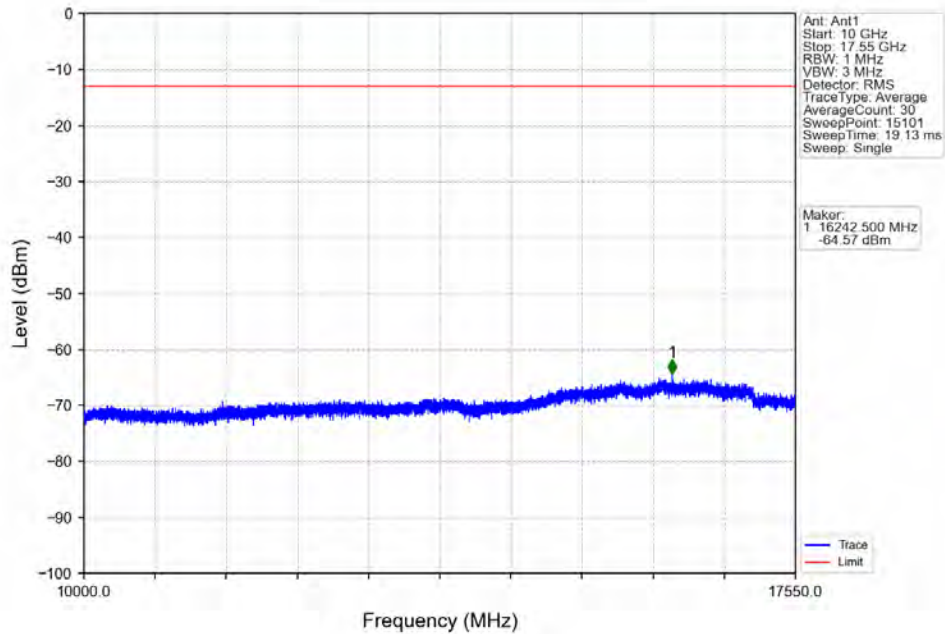
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



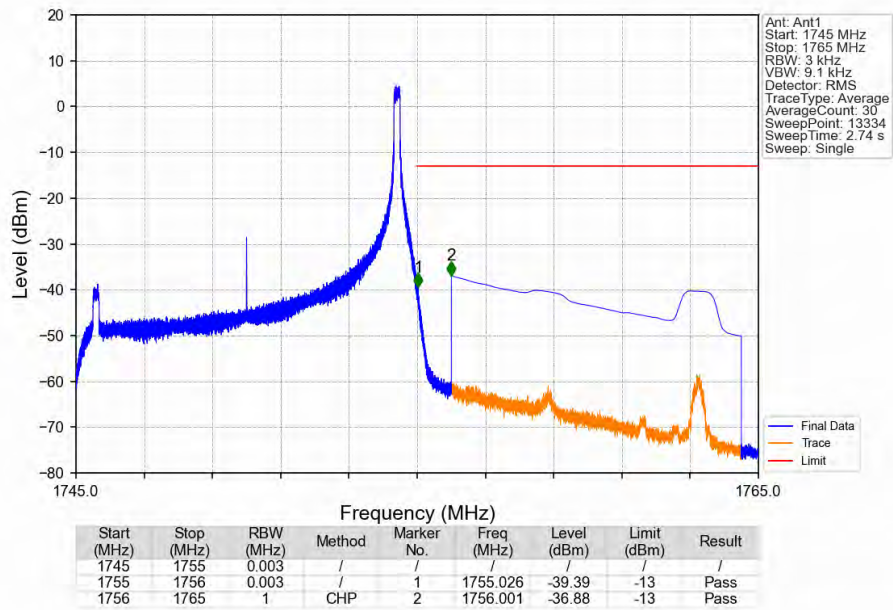
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



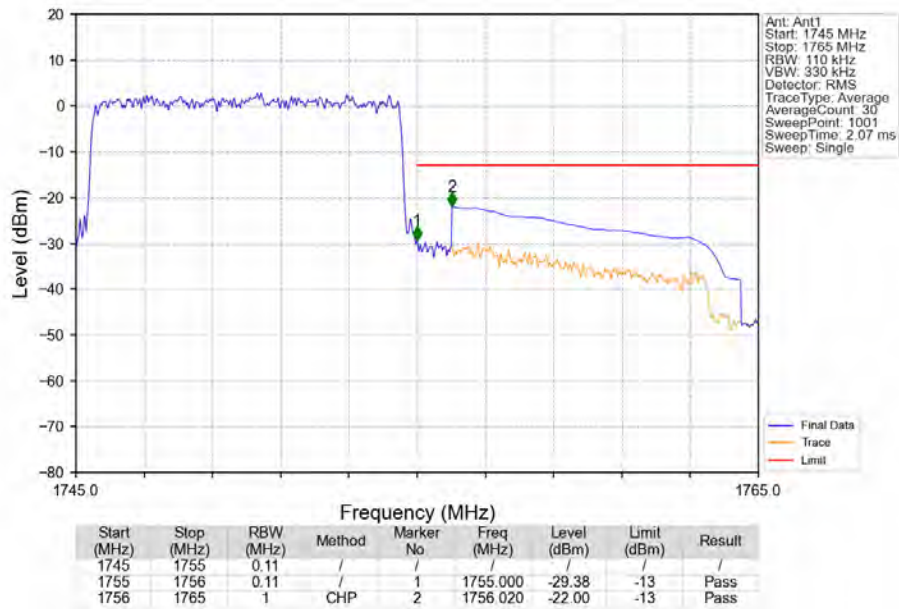
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



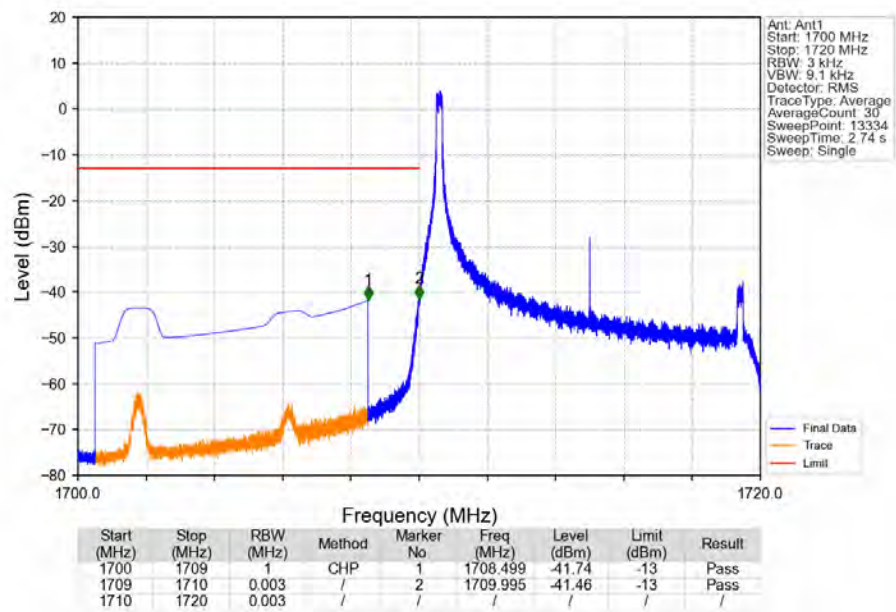
Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



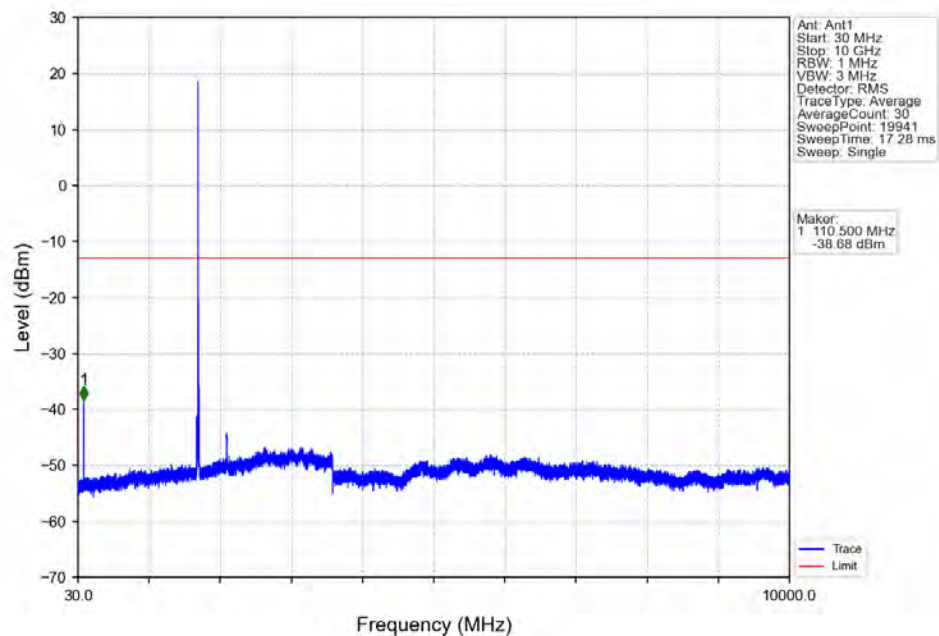
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



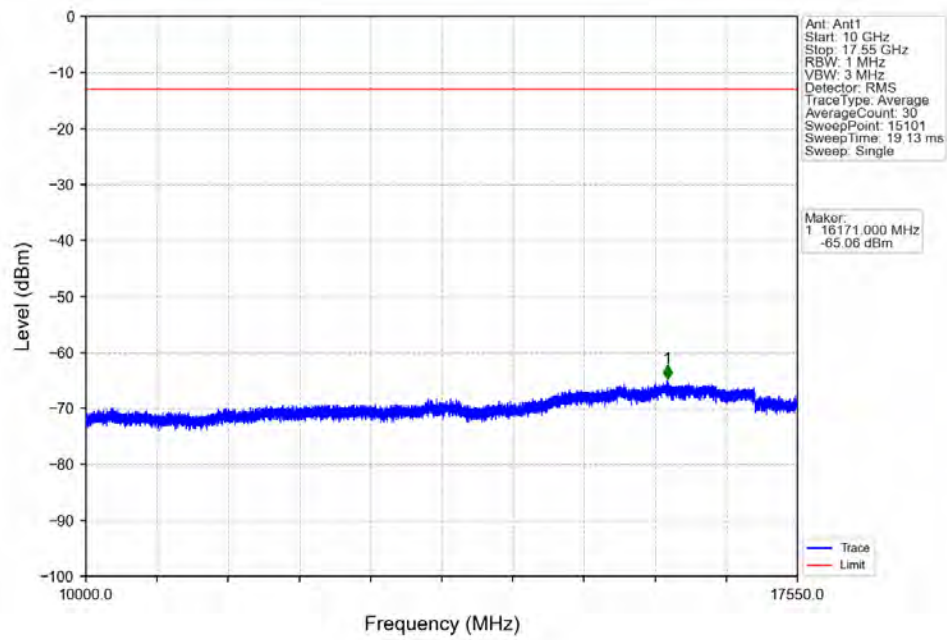
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



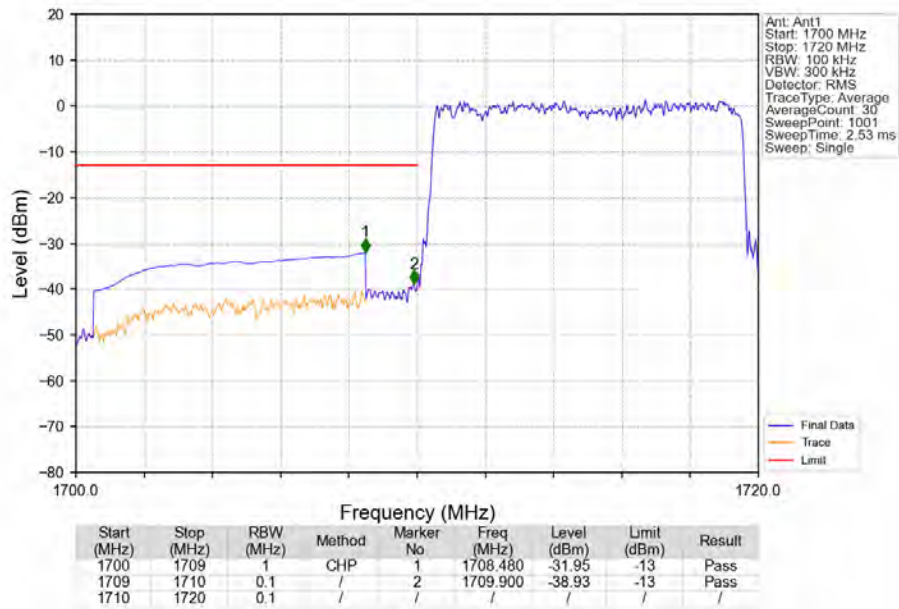
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



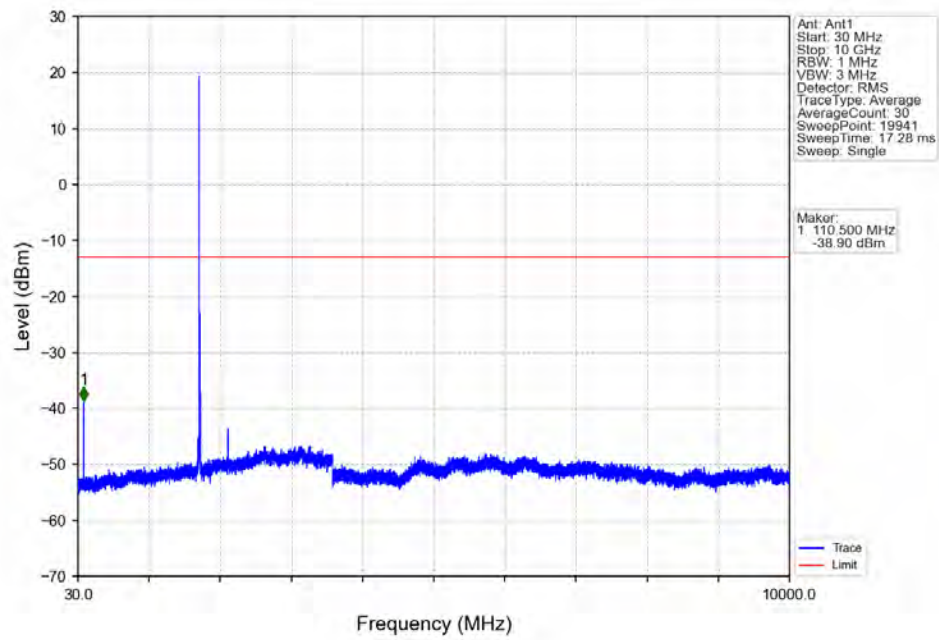
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



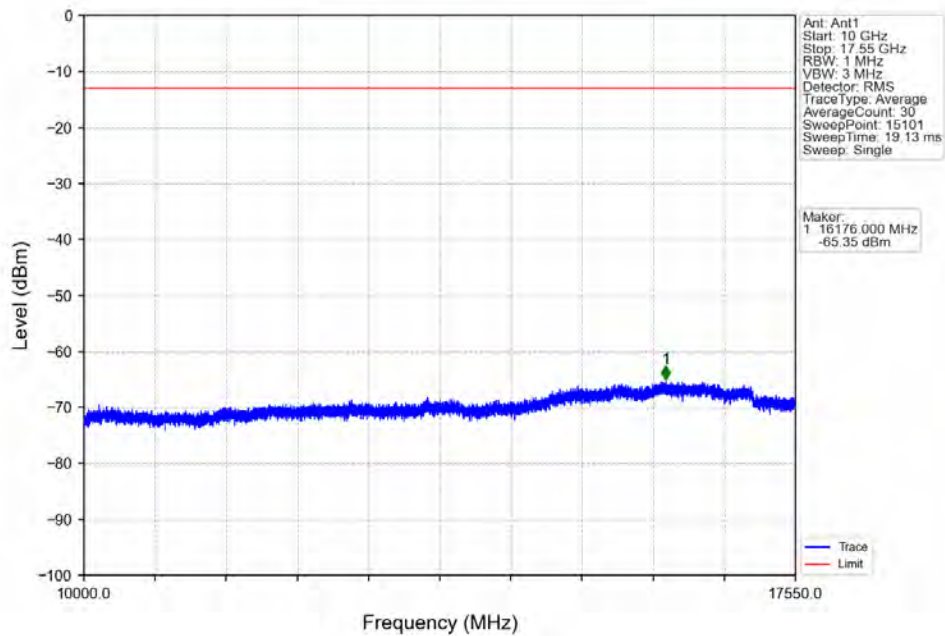
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



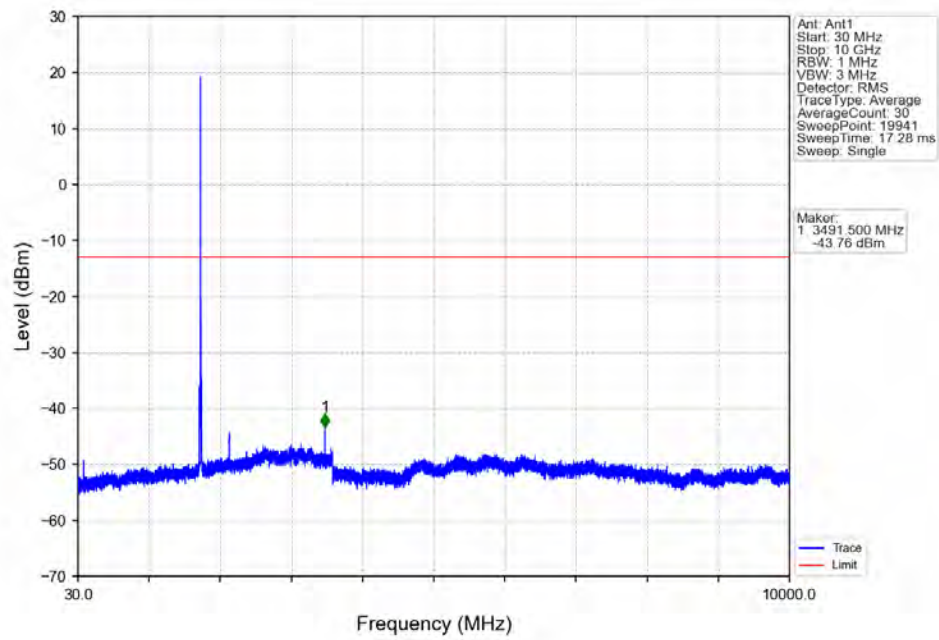
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



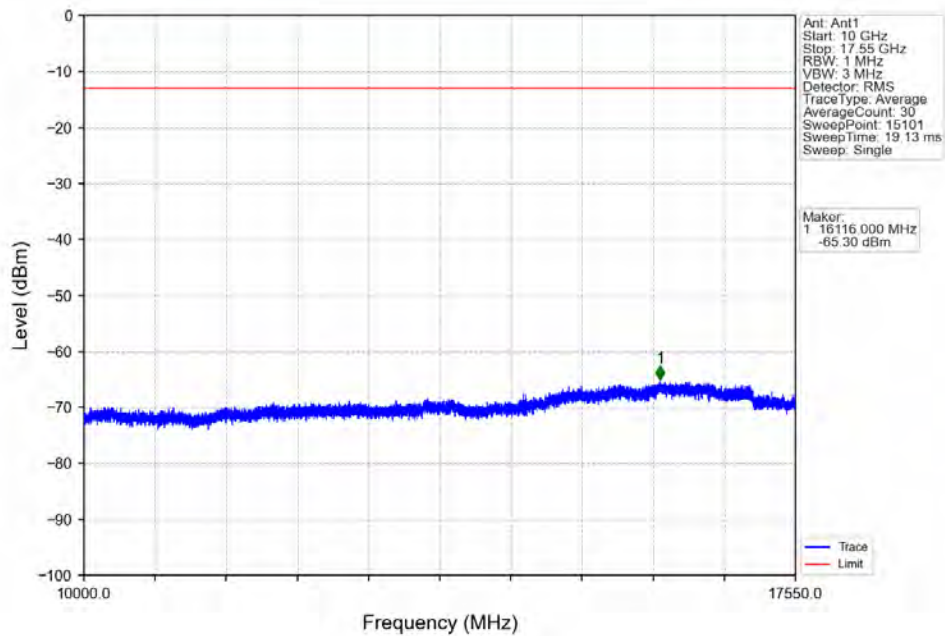
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTV



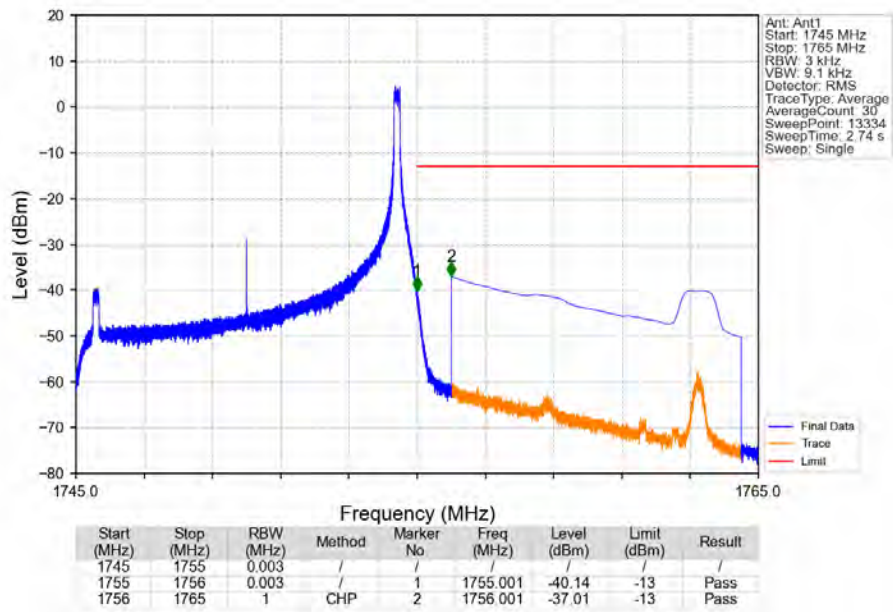
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



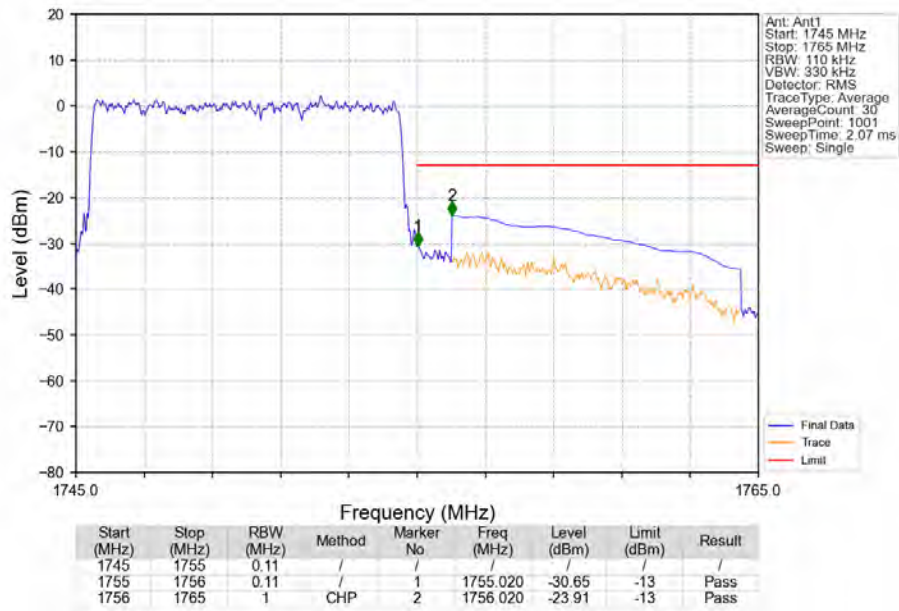
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



Band4 10MHz 16QAM HCH 1750MHz RB 1 49 NTV



Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTV

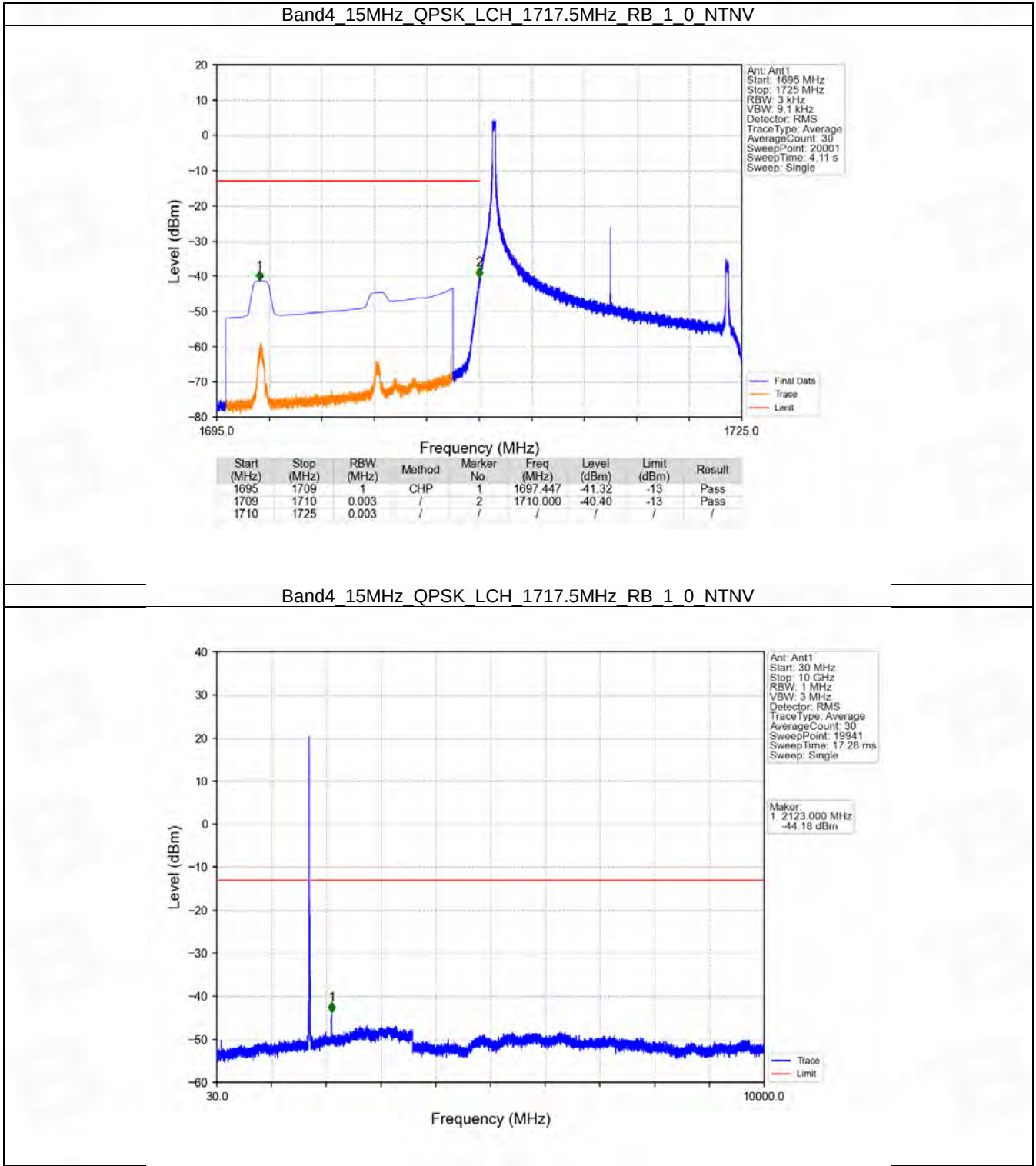


6.5 B4_15MHz

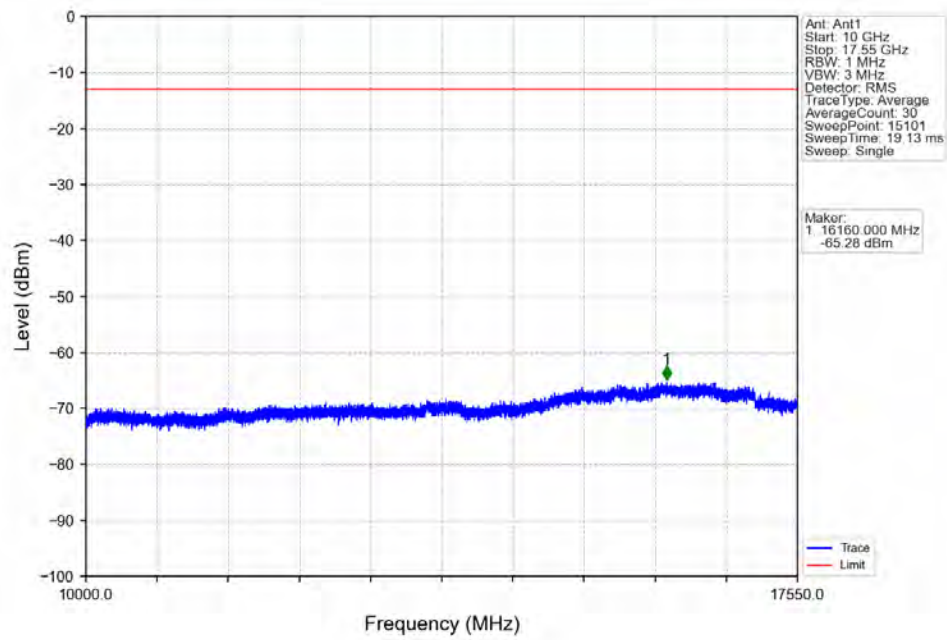
6.5.1 Test Result

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
		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

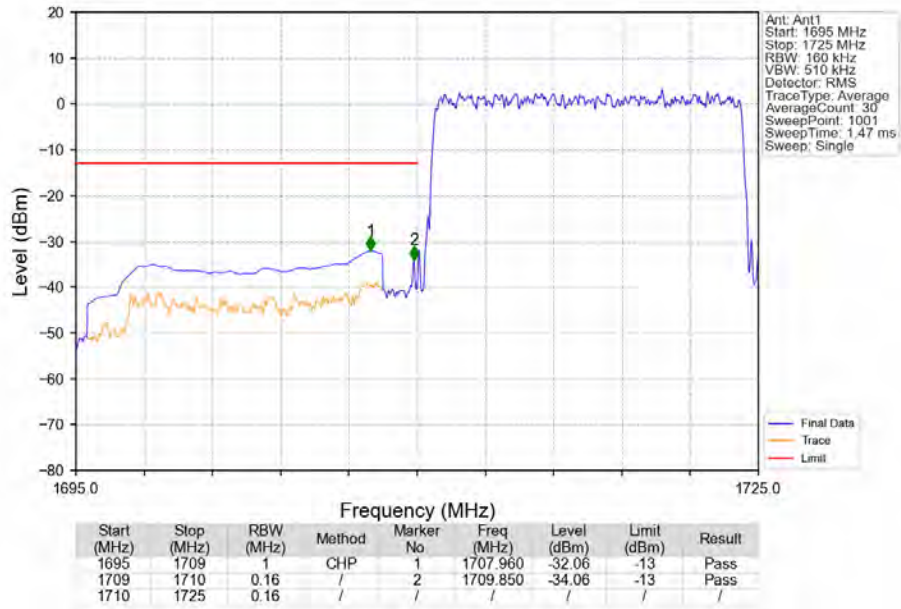
6.5.2 Test Graph



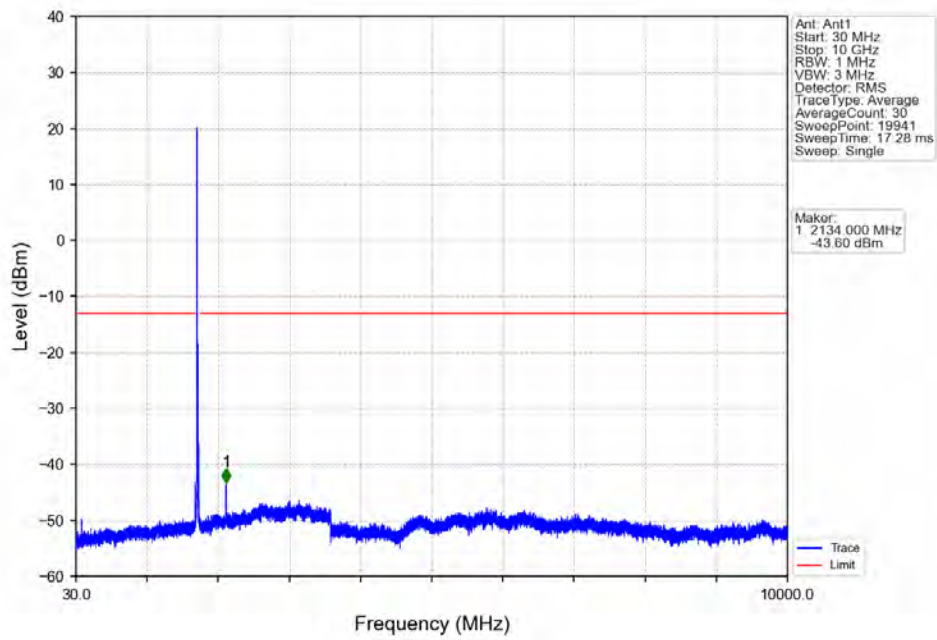
Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV



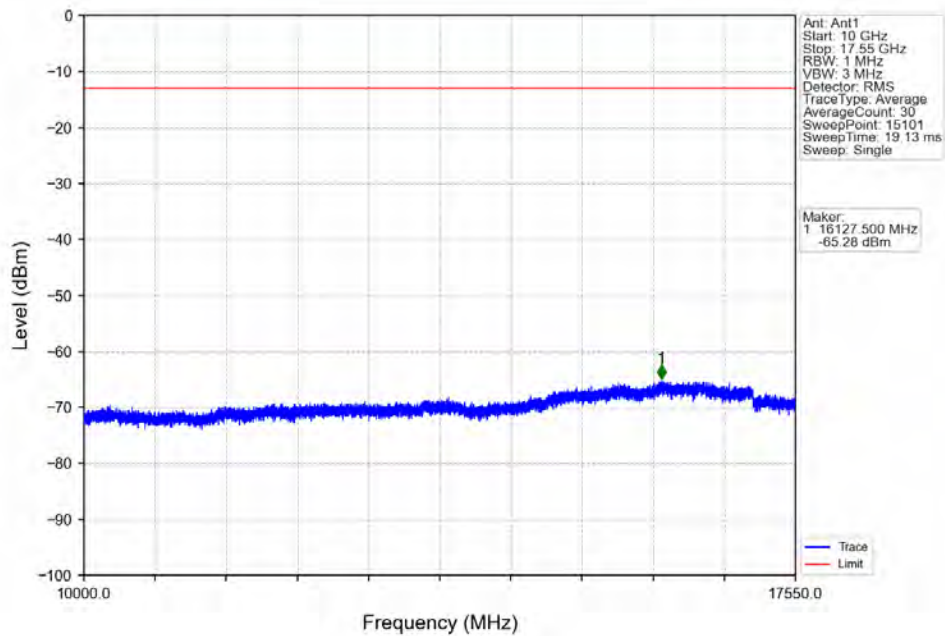
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



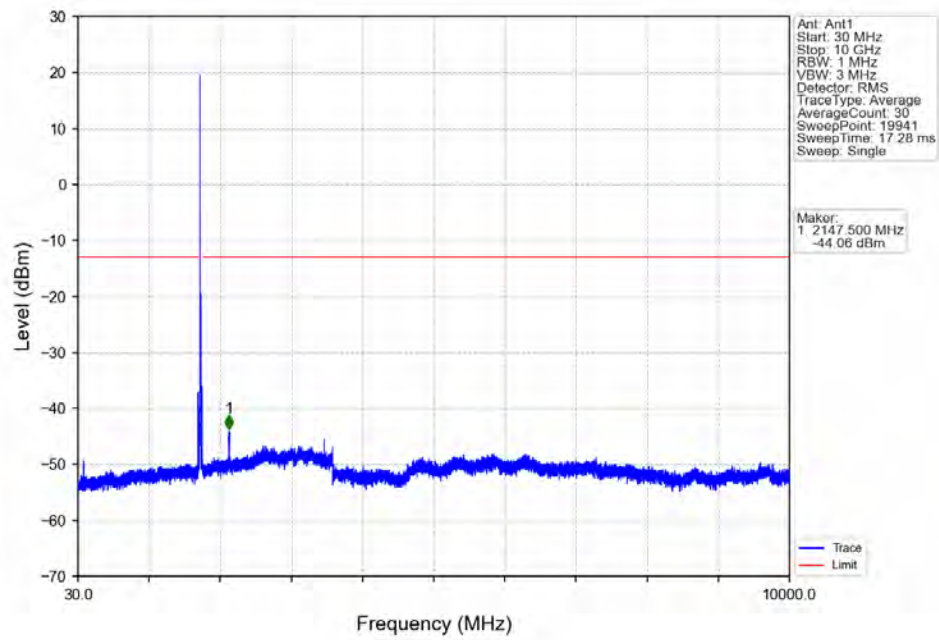
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



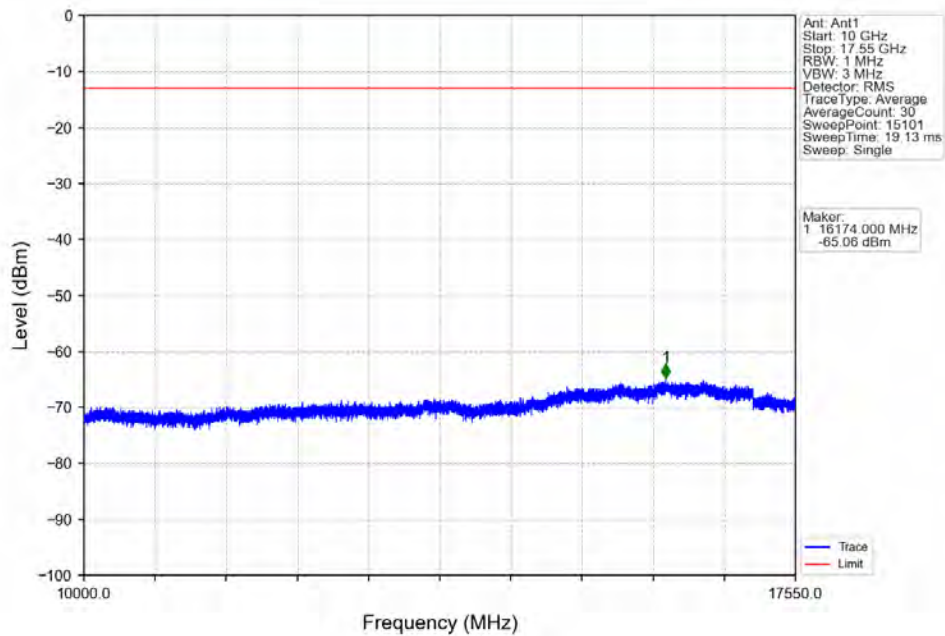
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



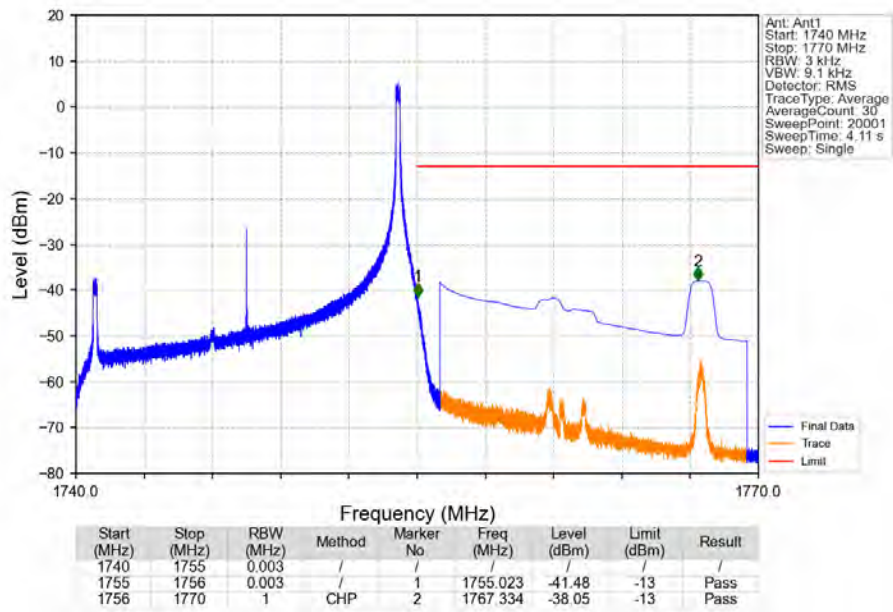
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



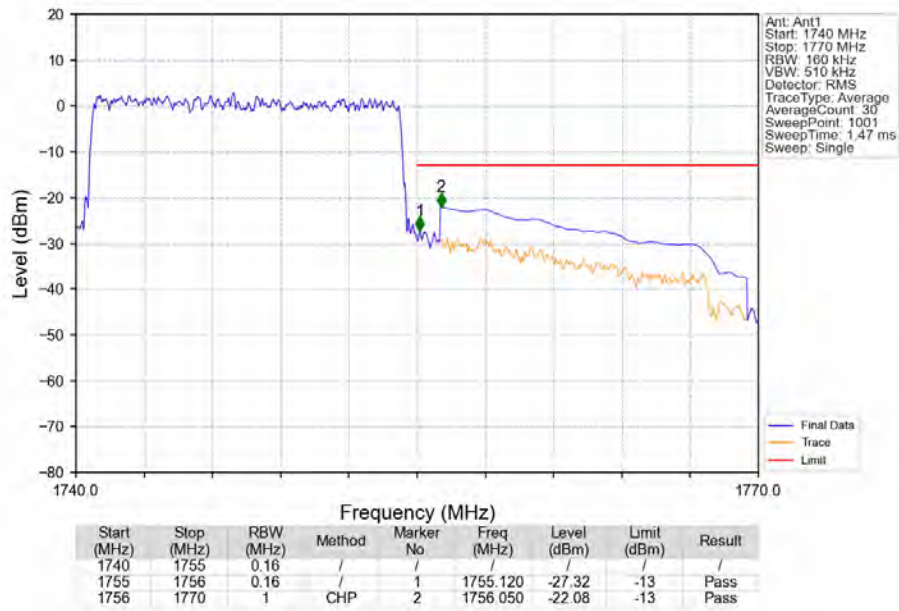
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



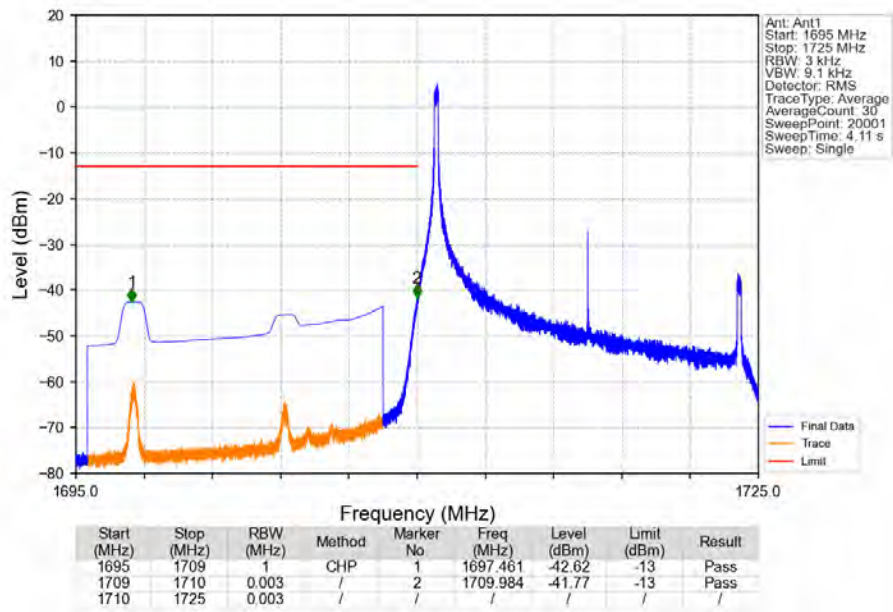
Band4_15MHz QPSK HCH 1747.5MHz RB 1 74 NTV



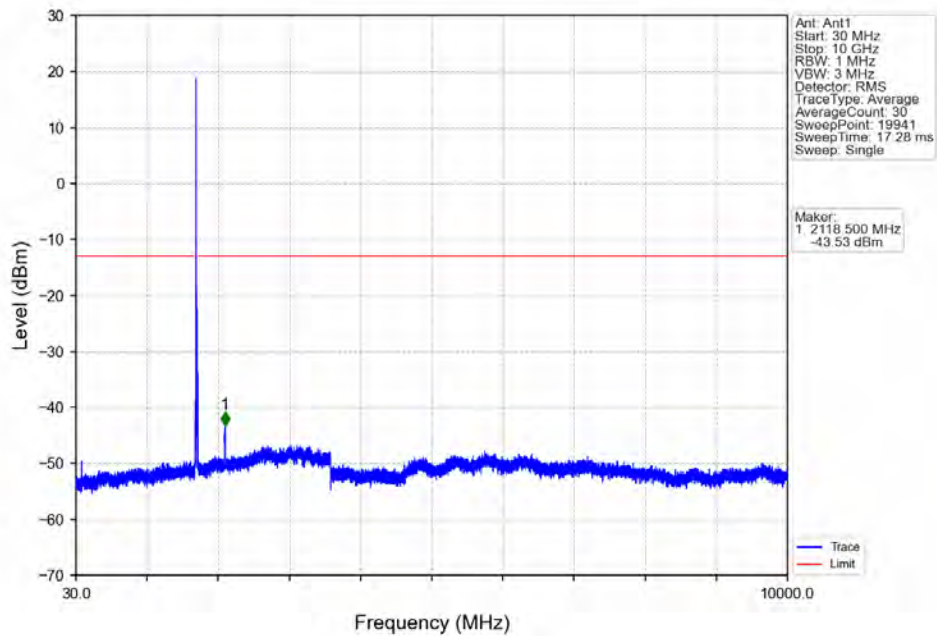
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTV



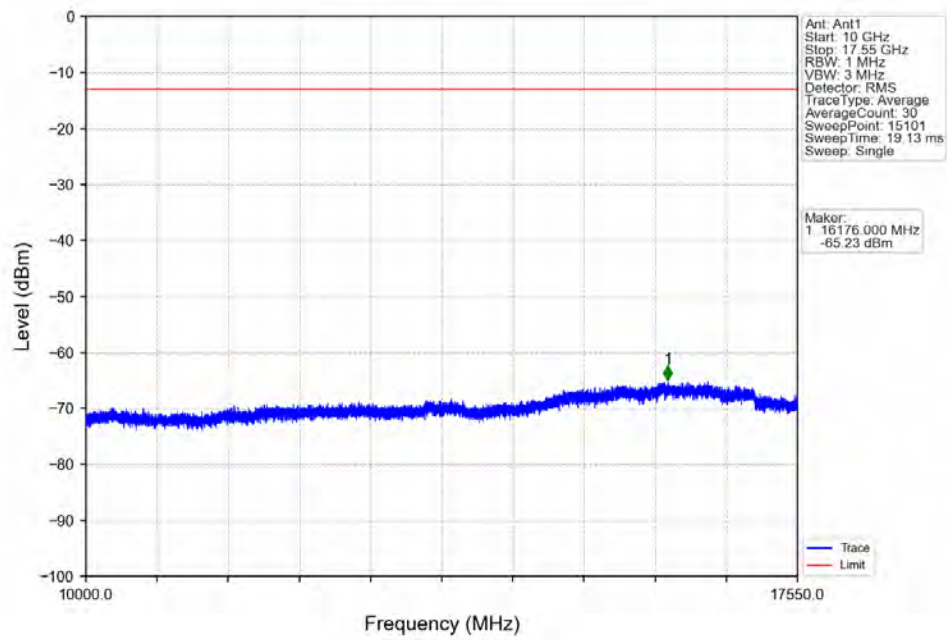
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



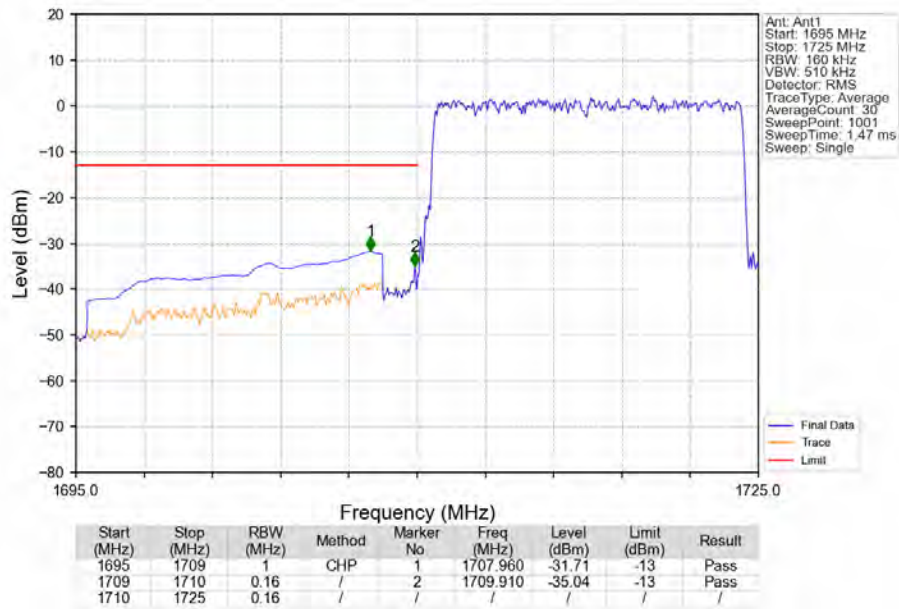
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



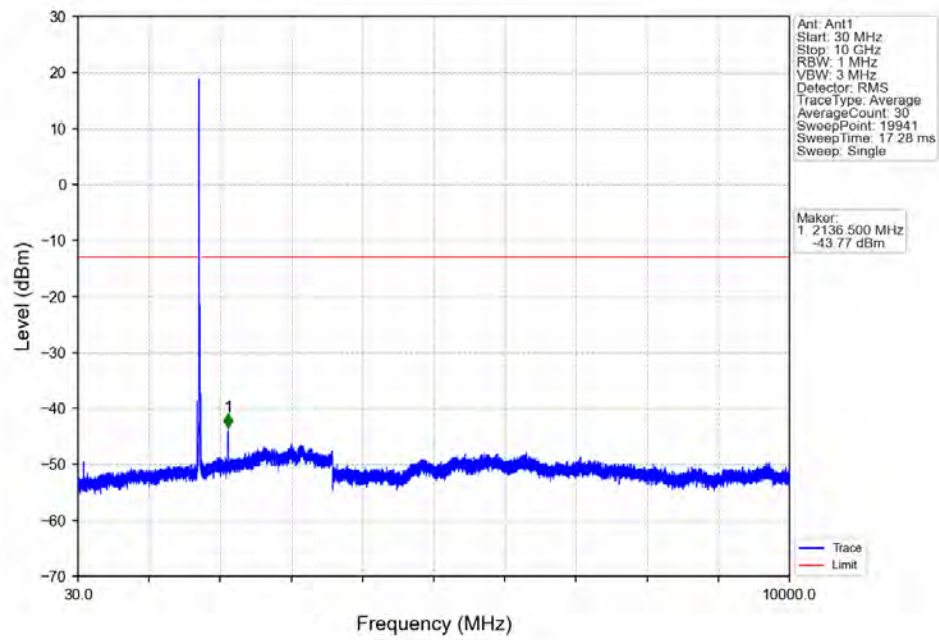
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



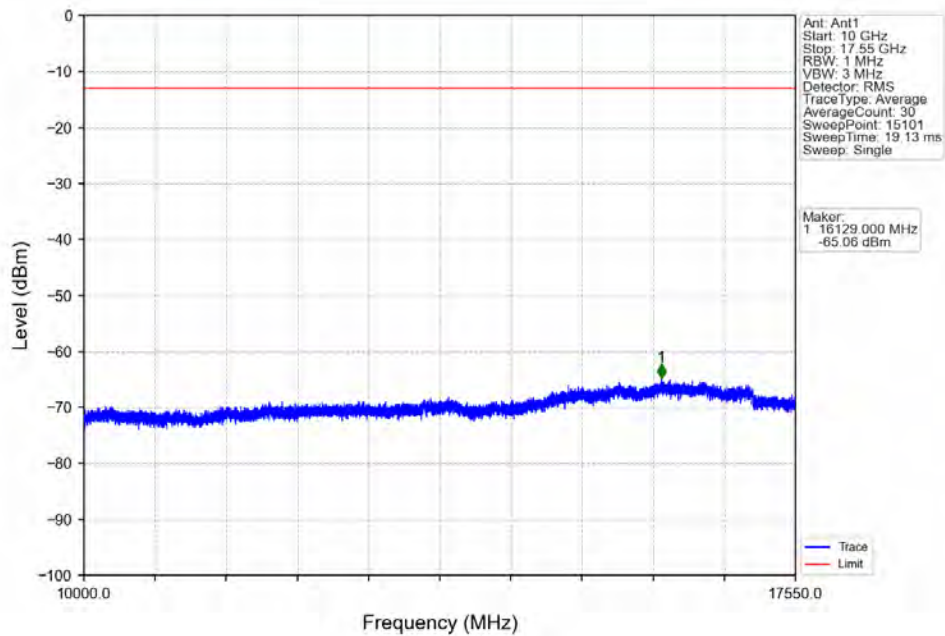
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



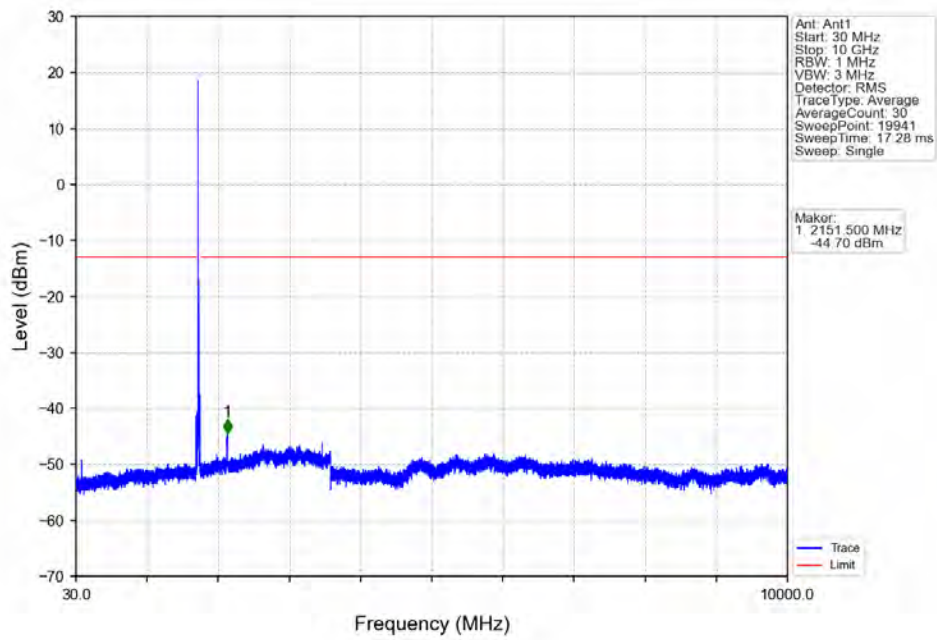
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



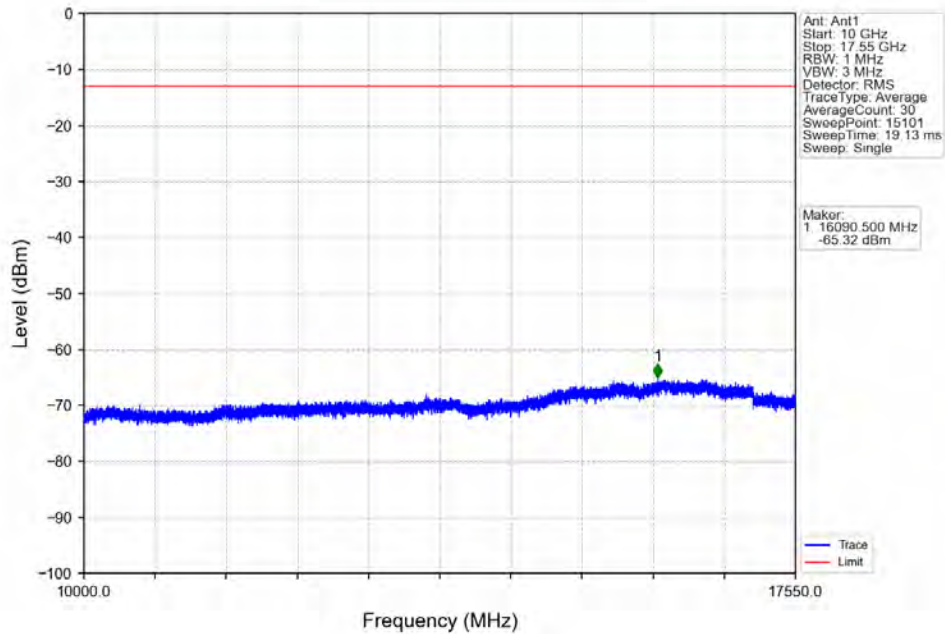
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



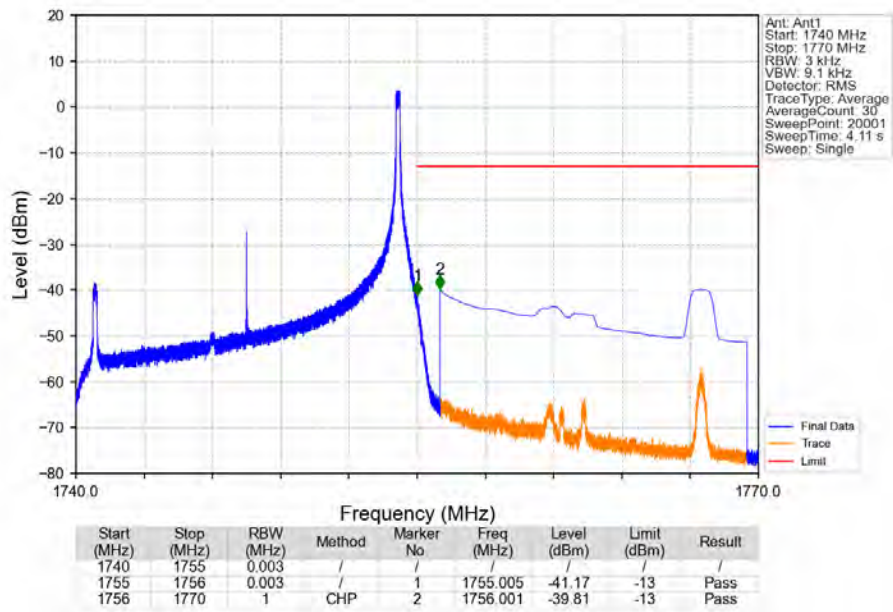
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTV



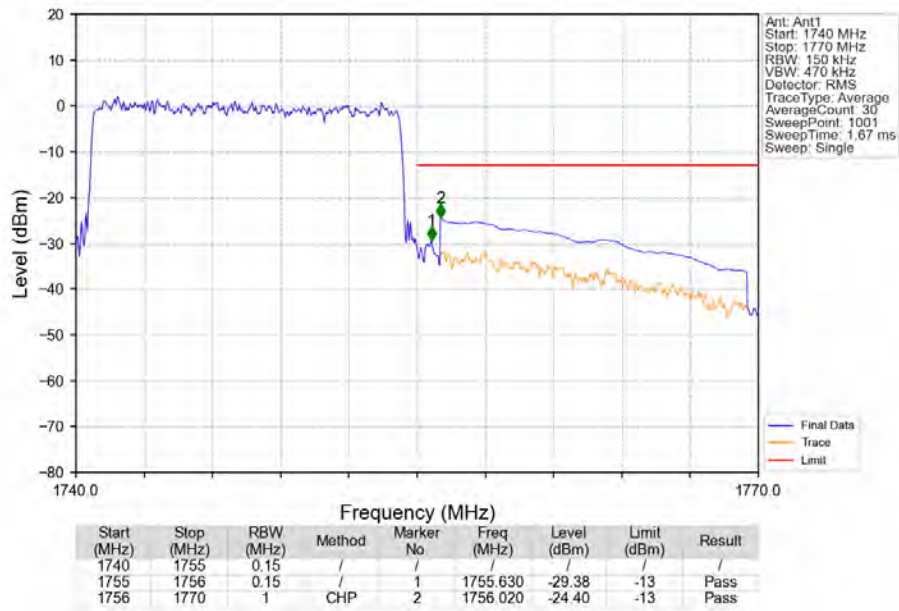
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTV



Band4 15MHz 16QAM HCH 1747.5MHz RB 1 74 NTN



Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTN

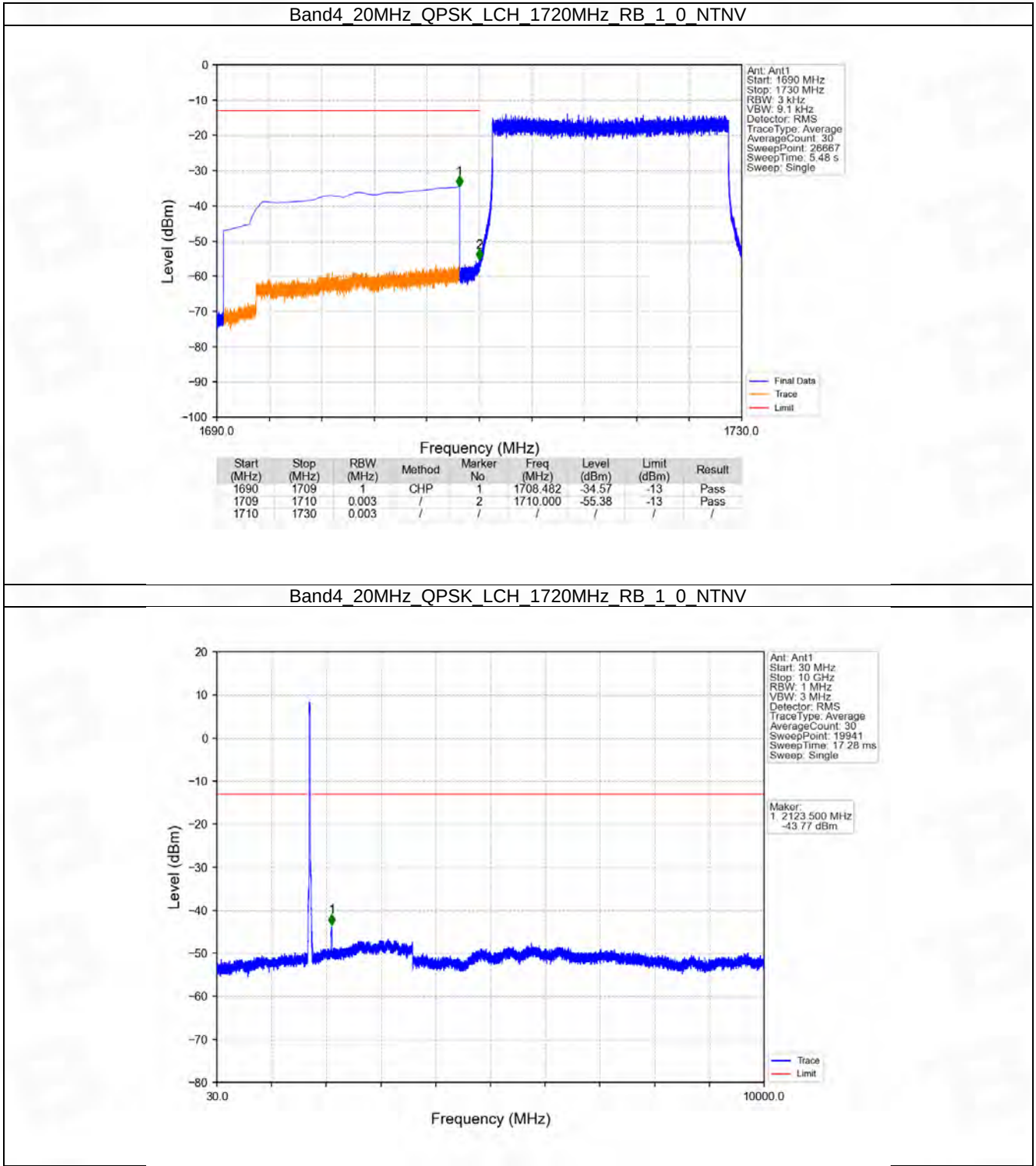


6.6 B4_20MHz

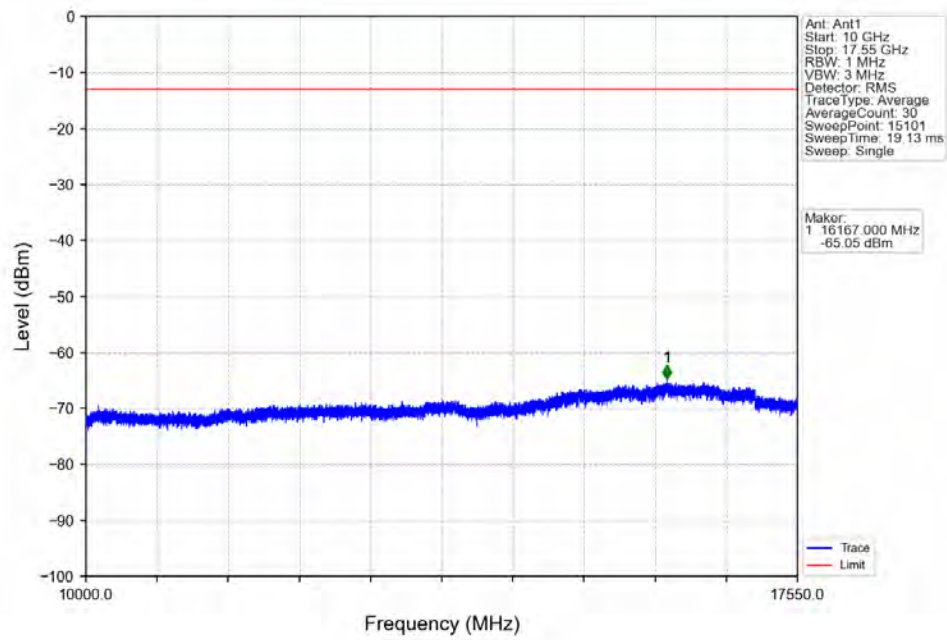
6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTV						
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
		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

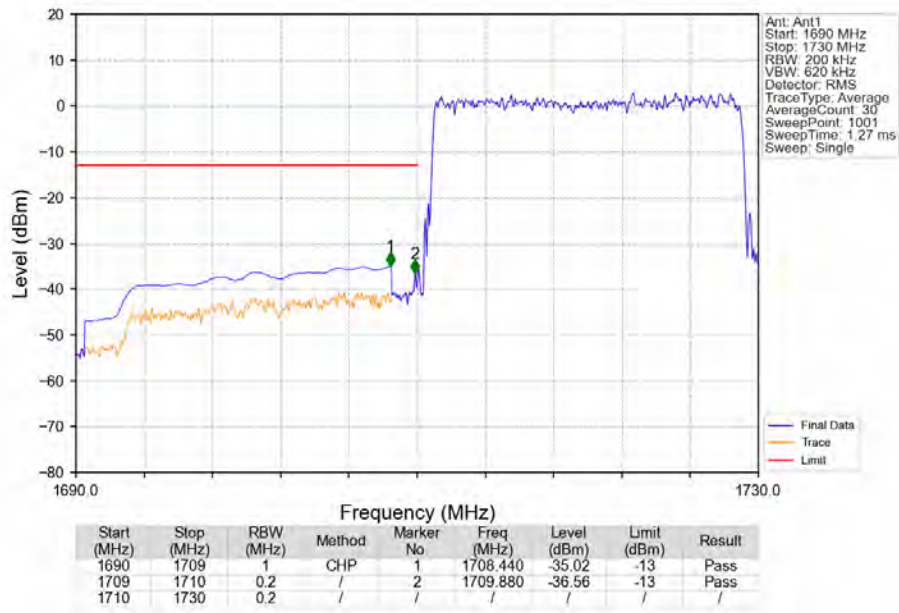
6.6.2 Test Graph



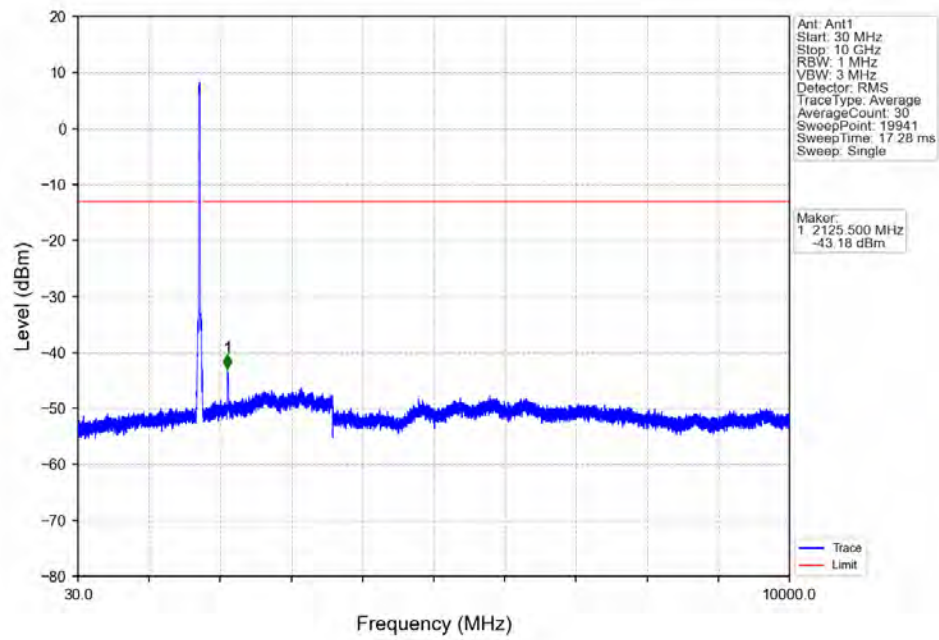
Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTN



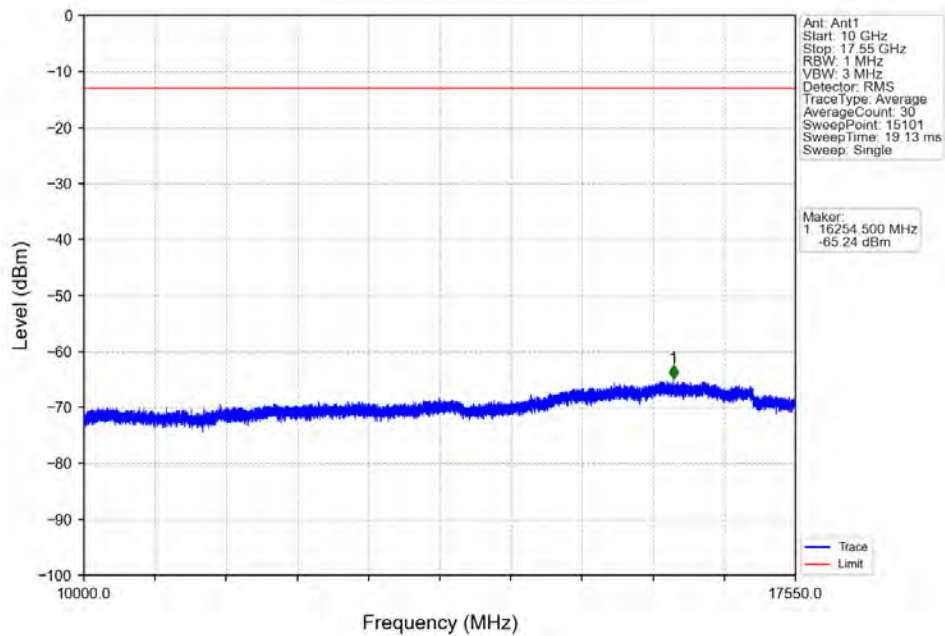
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTN



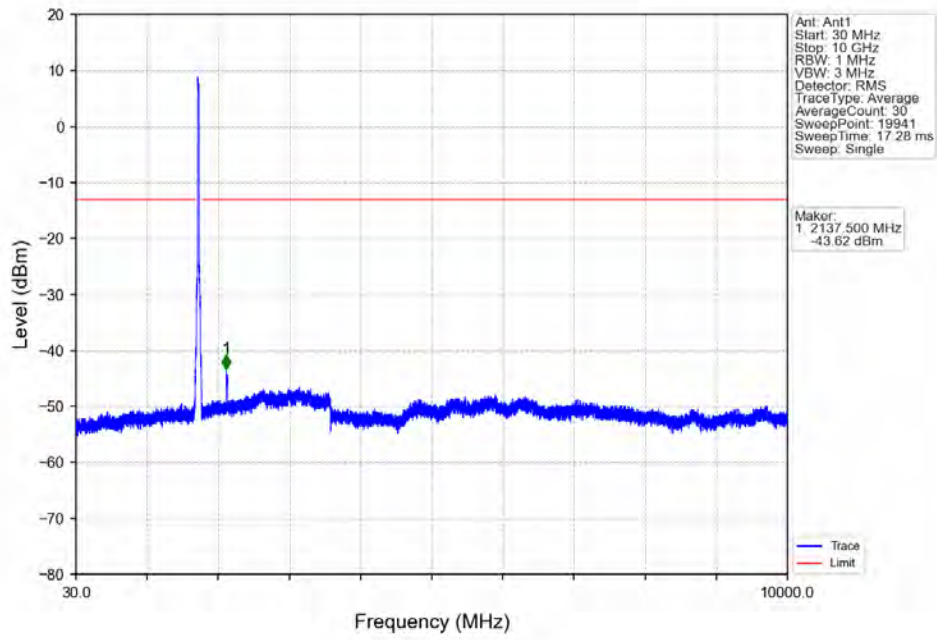
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



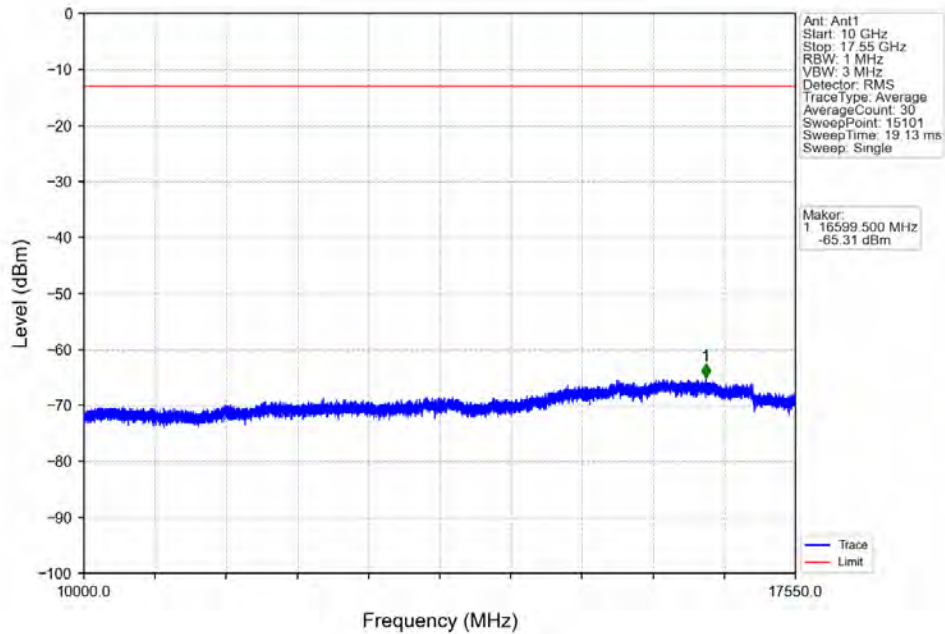
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



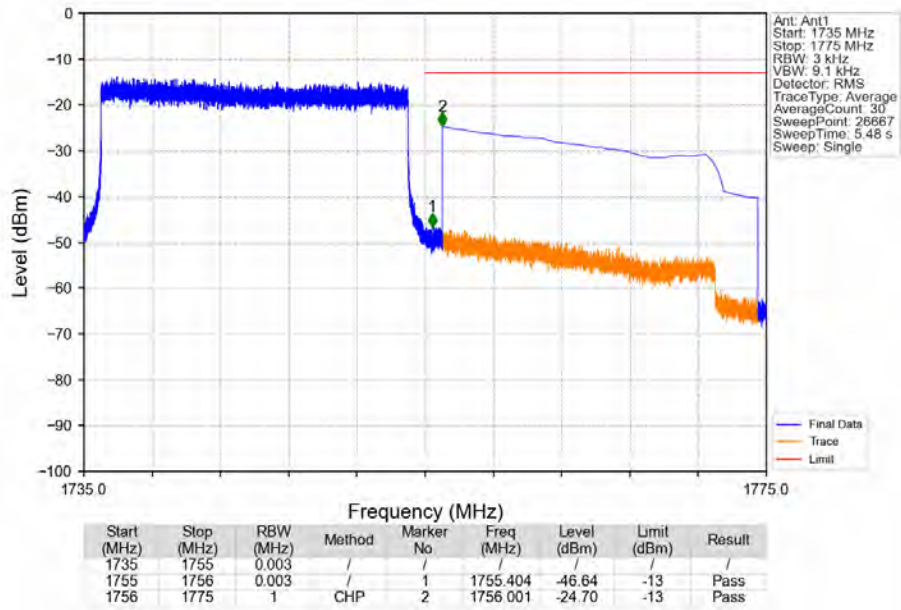
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



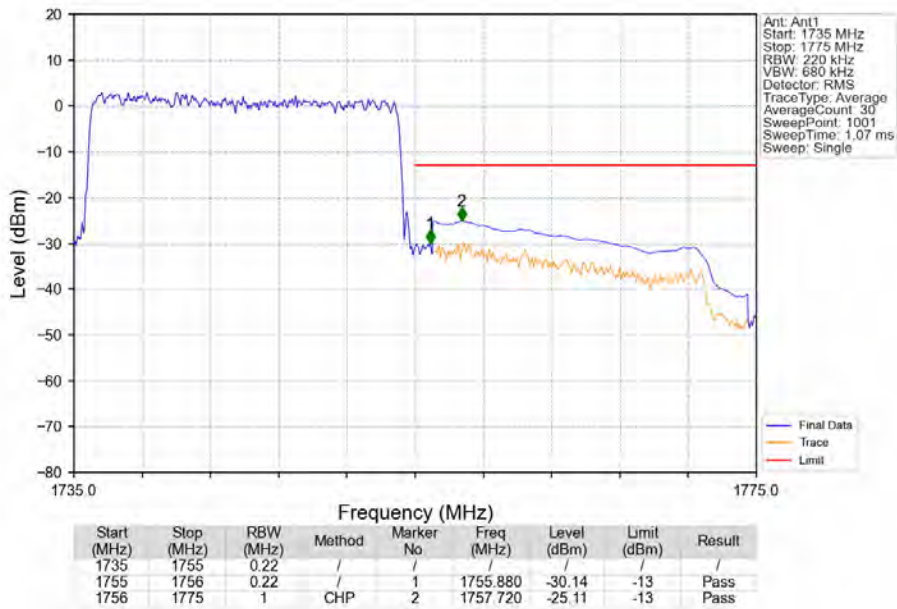
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



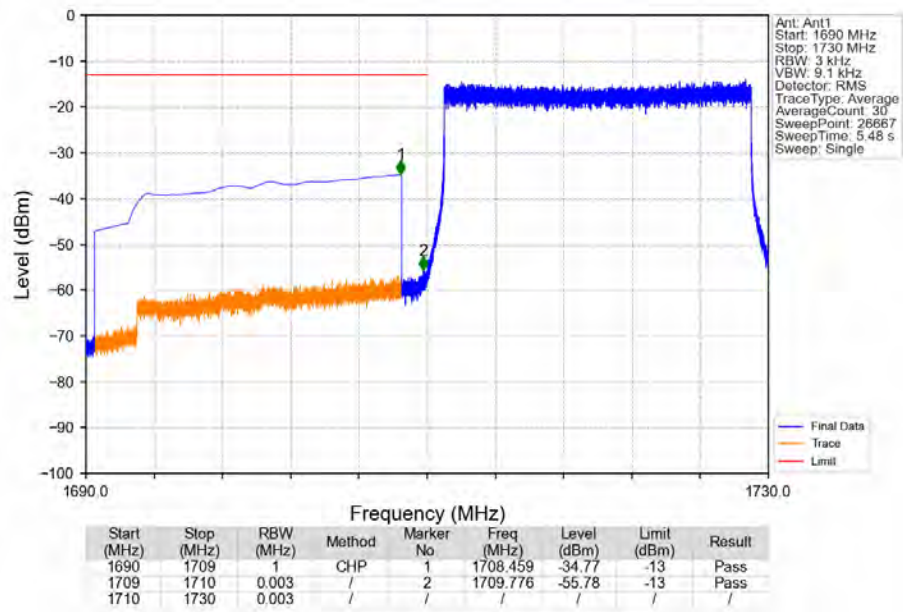
Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



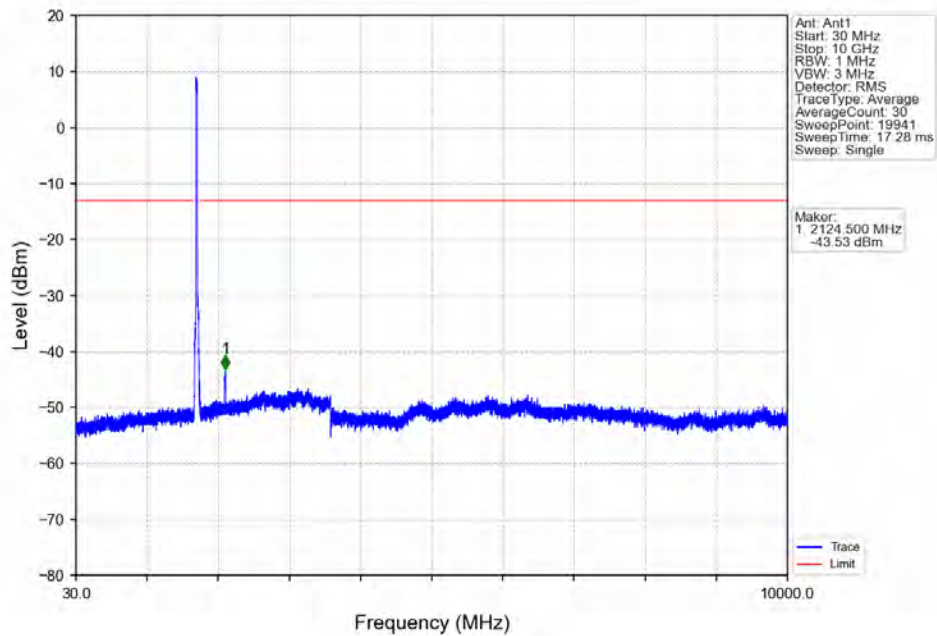
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



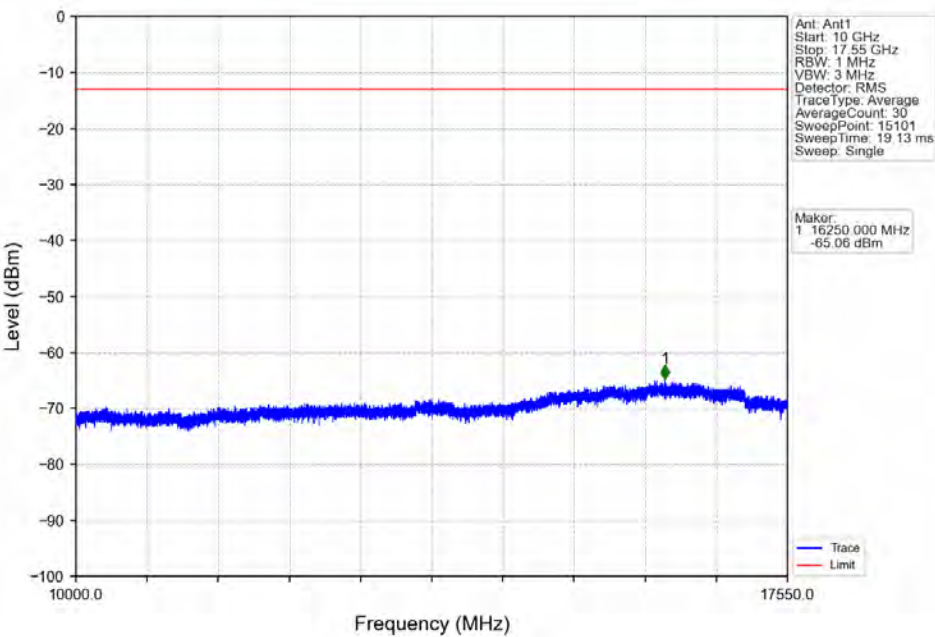
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



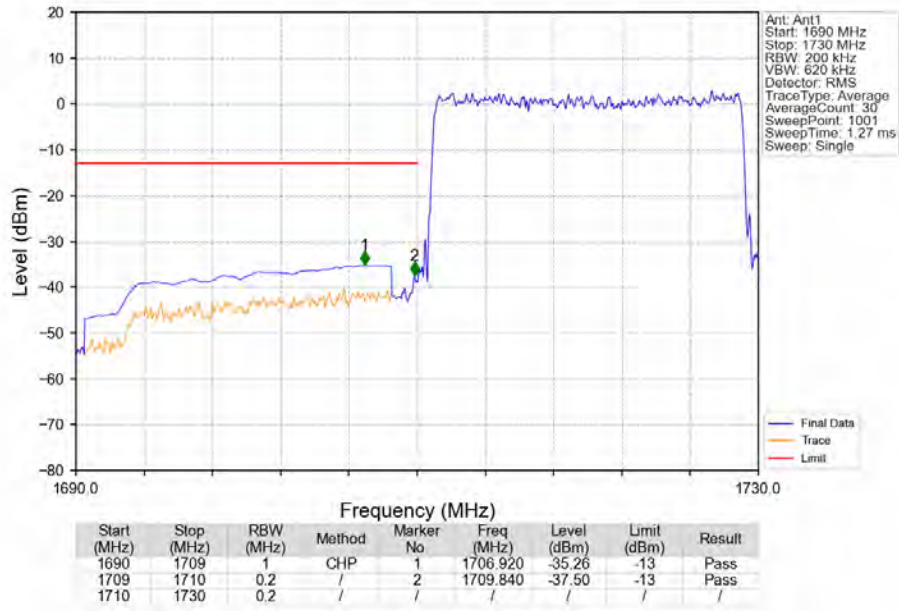
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



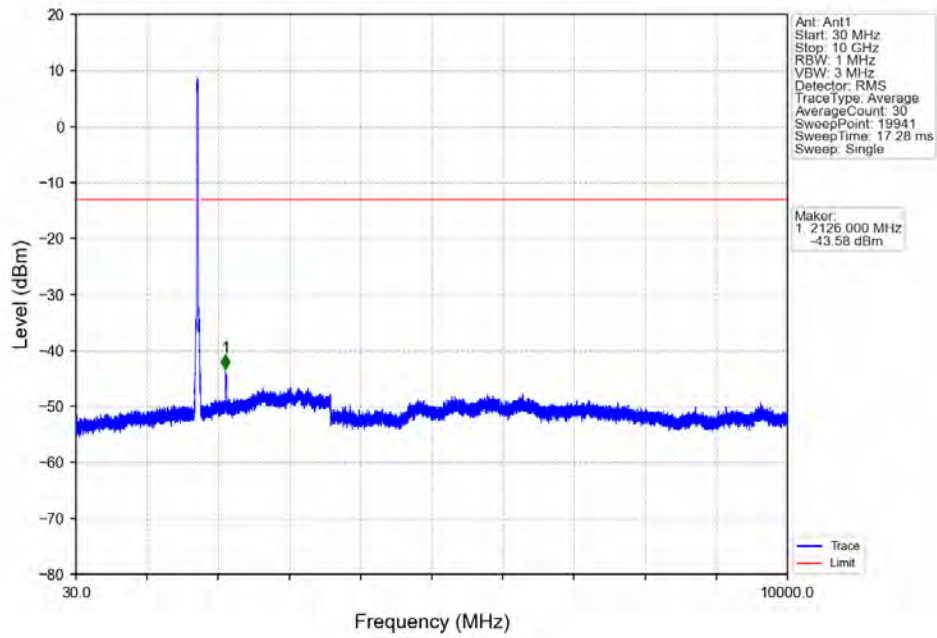
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



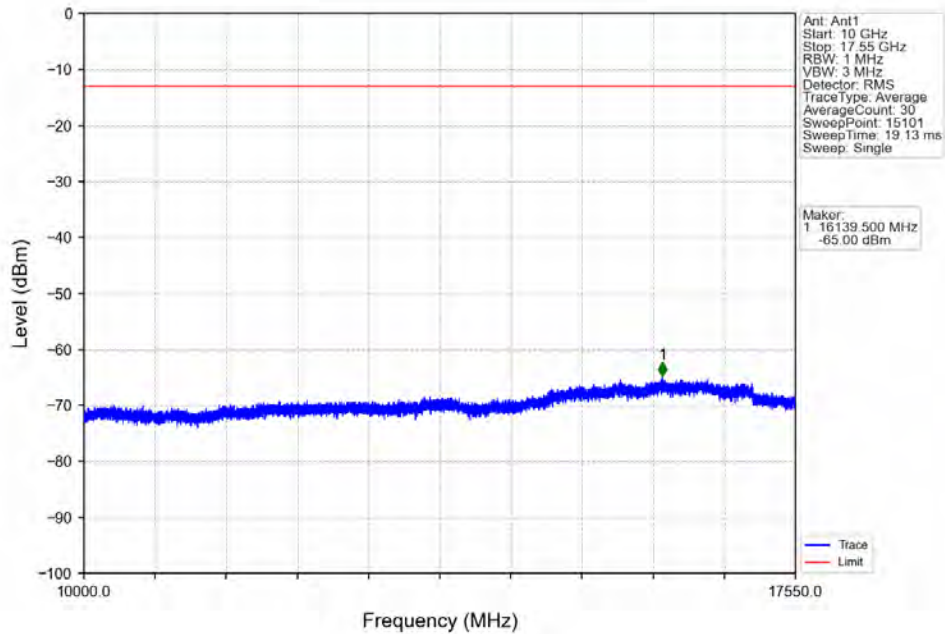
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



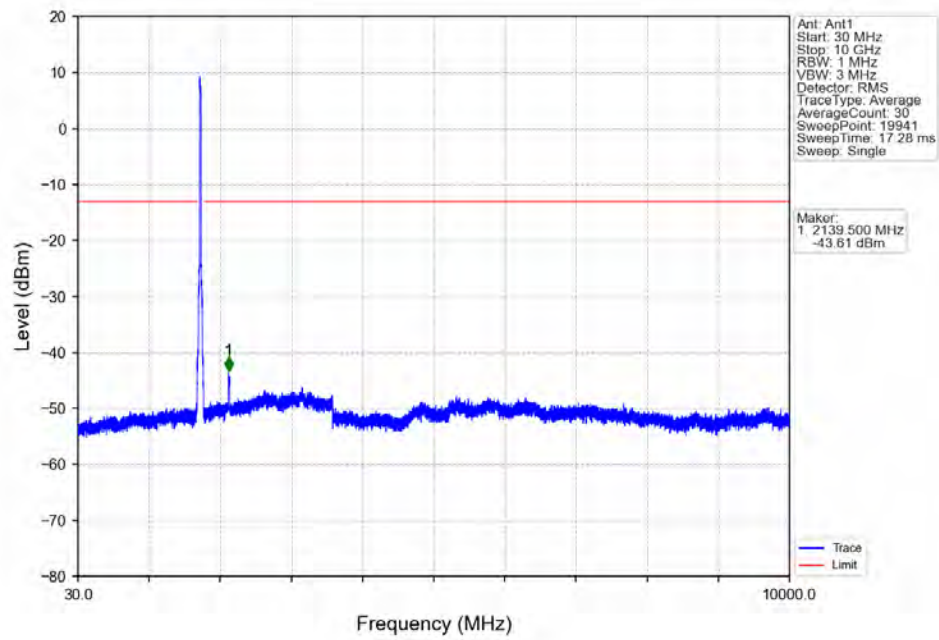
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



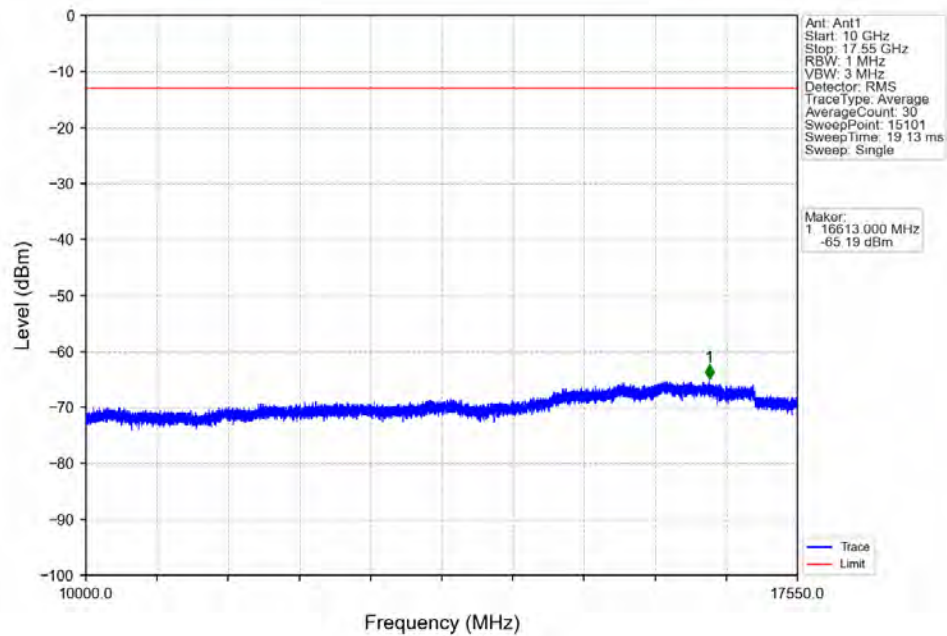
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



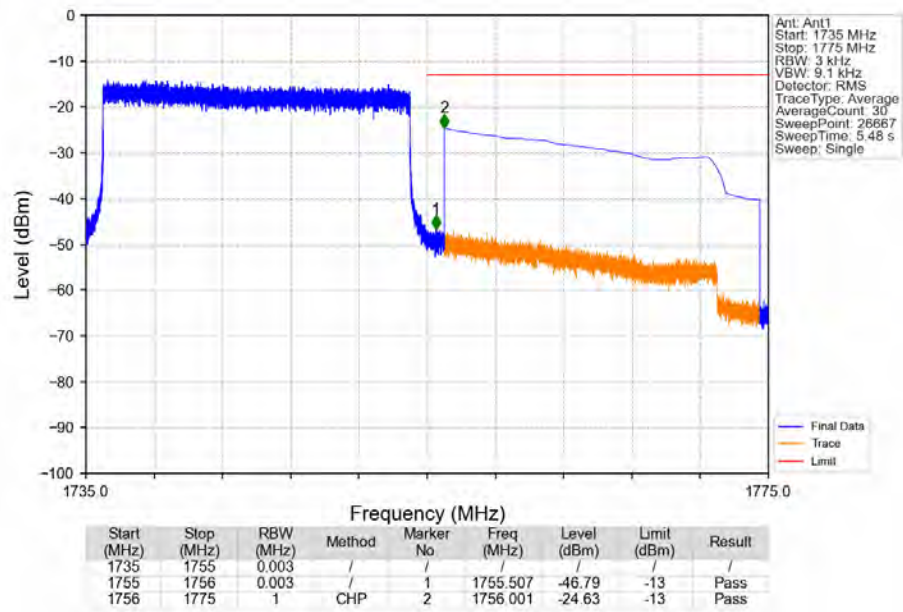
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTN



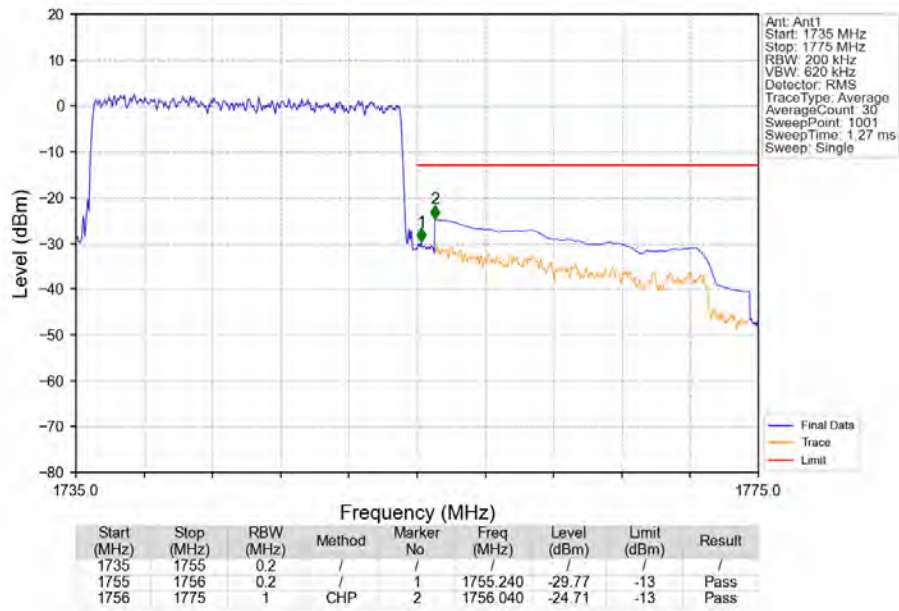
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTN



Band4 20MHz 16QAM HCH 1745MHz RB 1 99 NTV



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTV



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.2138	0.0282	ppm	1M12G7D	27L	23.30
4	1.4	1710.7	1754.3	0.1742	0.0235	ppm	1M12W7D	27L	22.41
4	3	1711.5	1753.5	0.2037	0.0280	ppm	2M76G7D	27L	23.09
4	3	1711.5	1753.5	0.1879	0.0253	ppm	2M76W7D	27L	22.74
4	5	1712.5	1752.5	0.2109	0.0221	ppm	4M57G7D	27L	23.24
4	5	1712.5	1752.5	0.1687	0.0217	ppm	4M57W7D	27L	22.27
4	10	1715	1750	0.2046	0.0219	ppm	9M10G7D	27L	23.11
4	10	1715	1750	0.1722	0.0214	ppm	9M11W7D	27L	22.36
4	15	1717.5	1747.5	0.2014	0.0227	ppm	13M6G7D	27L	23.04
4	15	1717.5	1747.5	0.1950	0.0233	ppm	13M7W7D	27L	22.90
4	20	1720	1745	0.2075	0.0180	ppm	18M2G7D	27L	23.17
4	20	1720	1745	0.1950	0.0227	ppm	18M2W7D	27L	22.90

7.2 Form731_EIRP

7.2.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.2350	0.0282	ppm	1M12G7D	27L	23.71
4	1.4	1710.7	1754.3	0.1914	0.0235	ppm	1M12W7D	27L	22.82
4	3	1711.5	1753.5	0.2239	0.0280	ppm	2M76G7D	27L	23.50
4	3	1711.5	1753.5	0.2065	0.0253	ppm	2M76W7D	27L	23.15
4	5	1712.5	1752.5	0.2317	0.0221	ppm	4M57G7D	27L	23.65
4	5	1712.5	1752.5	0.1854	0.0217	ppm	4M57W7D	27L	22.68
4	10	1715	1750	0.2249	0.0219	ppm	9M10G7D	27L	23.52
4	10	1715	1750	0.1892	0.0214	ppm	9M11W7D	27L	22.77
4	15	1717.5	1747.5	0.2213	0.0227	ppm	13M6G7D	27L	23.45
4	15	1717.5	1747.5	0.2143	0.0233	ppm	13M7W7D	27L	23.31
4	20	1720	1745	0.2280	0.0180	ppm	18M2G7D	27L	23.58
4	20	1720	1745	0.2143	0.0227	ppm	18M2W7D	27L	23.31