

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	21.22	0.81	22.03	<=30	Pass
			2	21.39	0.81	22.20	<=30	Pass
			5	21.25	0.81	22.06	<=30	Pass
		3	0	21.39	0.81	22.20	<=30	Pass
			2	21.41	0.81	22.22	<=30	Pass
			3	21.40	0.81	22.21	<=30	Pass
		6	0	20.30	0.81	21.11	<=30	Pass
	1732.5	1	0	21.12	0.81	21.93	<=30	Pass
			2	21.27	0.81	22.08	<=30	Pass
			5	21.18	0.81	21.99	<=30	Pass
		3	0	21.29	0.81	22.10	<=30	Pass
			2	21.32	0.81	22.13	<=30	Pass
			3	21.29	0.81	22.10	<=30	Pass
		6	0	20.23	0.81	21.04	<=30	Pass
	1754.3	1	0	20.93	0.81	21.74	<=30	Pass
			2	21.03	0.81	21.84	<=30	Pass
			5	20.89	0.81	21.70	<=30	Pass
		3	0	21.11	0.81	21.92	<=30	Pass
			2	21.08	0.81	21.89	<=30	Pass
			3	21.08	0.81	21.89	<=30	Pass
		6	0	19.99	0.81	20.80	<=30	Pass
16QAM	1710.7	1	0	20.34	0.81	21.15	<=30	Pass
			2	20.40	0.81	21.21	<=30	Pass
			5	20.35	0.81	21.16	<=30	Pass
		3	0	20.51	0.81	21.32	<=30	Pass
			2	20.50	0.81	21.31	<=30	Pass
			3	20.50	0.81	21.31	<=30	Pass
		6	0	19.27	0.81	20.08	<=30	Pass
	1732.5	1	0	20.30	0.81	21.11	<=30	Pass
			2	20.46	0.81	21.27	<=30	Pass
			5	20.36	0.81	21.17	<=30	Pass
		3	0	20.30	0.81	21.11	<=30	Pass
			2	20.32	0.81	21.13	<=30	Pass
			3	20.33	0.81	21.14	<=30	Pass
		6	0	19.24	0.81	20.05	<=30	Pass
	1754.3	1	0	19.94	0.81	20.75	<=30	Pass
			2	20.10	0.81	20.91	<=30	Pass
			5	19.97	0.81	20.78	<=30	Pass
		3	0	20.31	0.81	21.12	<=30	Pass
			2	20.37	0.81	21.18	<=30	Pass
			3	20.34	0.81	21.15	<=30	Pass
		6	0	19.02	0.81	19.83	<=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	21.46	0.81	22.27	<=30	Pass
			7	21.57	0.81	22.38	<=30	Pass
			14	21.42	0.81	22.23	<=30	Pass
		8	0	20.41	0.81	21.22	<=30	Pass
			4	20.43	0.81	21.24	<=30	Pass
			7	20.37	0.81	21.18	<=30	Pass
		15	0	20.41	0.81	21.22	<=30	Pass
	1732.5	1	0	21.32	0.81	22.13	<=30	Pass
			7	21.45	0.81	22.26	<=30	Pass
			14	21.32	0.81	22.13	<=30	Pass
		8	0	20.30	0.81	21.11	<=30	Pass
			4	20.34	0.81	21.15	<=30	Pass
			7	20.32	0.81	21.13	<=30	Pass
		15	0	20.31	0.81	21.12	<=30	Pass
	1753.5	1	0	21.09	0.81	21.90	<=30	Pass
			7	21.12	0.81	21.93	<=30	Pass
			14	20.98	0.81	21.79	<=30	Pass
		8	0	20.07	0.81	20.88	<=30	Pass
			4	20.10	0.81	20.91	<=30	Pass
			7	20.06	0.81	20.87	<=30	Pass
		15	0	20.08	0.81	20.89	<=30	Pass
16QAM	1711.5	1	0	20.47	0.81	21.28	<=30	Pass
			7	20.60	0.81	21.41	<=30	Pass
			14	20.47	0.81	21.28	<=30	Pass
		8	0	19.48	0.81	20.29	<=30	Pass
			4	19.51	0.81	20.32	<=30	Pass
			7	19.44	0.81	20.25	<=30	Pass
		15	0	19.47	0.81	20.28	<=30	Pass
	1732.5	1	0	20.51	0.81	21.32	<=30	Pass
			7	20.62	0.81	21.43	<=30	Pass
			14	20.48	0.81	21.29	<=30	Pass
		8	0	19.31	0.81	20.12	<=30	Pass
			4	19.35	0.81	20.16	<=30	Pass
			7	19.29	0.81	20.10	<=30	Pass
		15	0	19.30	0.81	20.11	<=30	Pass
	1753.5	1	0	20.70	0.81	21.51	<=30	Pass
			7	20.83	0.81	21.64	<=30	Pass
			14	20.64	0.81	21.45	<=30	Pass
		8	0	19.24	0.81	20.05	<=30	Pass
4			19.25	0.81	20.06	<=30	Pass	
7			19.25	0.81	20.06	<=30	Pass	
15		0	19.18	0.81	19.99	<=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	21.27	0.81	22.08	<=30	Pass	
			13	21.35	0.81	22.16	<=30	Pass	
			24	21.24	0.81	22.05	<=30	Pass	
		12	0	20.36	0.81	21.17	<=30	Pass	
			6	20.32	0.81	21.13	<=30	Pass	
			13	20.28	0.81	21.09	<=30	Pass	
		25	0	20.31	0.81	21.12	<=30	Pass	
		1732.5	1	0	21.08	0.81	21.89	<=30	Pass
				13	21.25	0.81	22.06	<=30	Pass
	24			21.15	0.81	21.96	<=30	Pass	
	12		0	20.15	0.81	20.96	<=30	Pass	
			6	20.26	0.81	21.07	<=30	Pass	
			13	20.22	0.81	21.03	<=30	Pass	
	25	0	20.24	0.81	21.05	<=30	Pass		
	1752.5	1	0	20.98	0.81	21.79	<=30	Pass	
			13	21.09	0.81	21.90	<=30	Pass	
			24	20.90	0.81	21.71	<=30	Pass	
		12	0	20.08	0.81	20.89	<=30	Pass	
			6	20.04	0.81	20.85	<=30	Pass	
			13	19.95	0.81	20.76	<=30	Pass	
		25	0	20.03	0.81	20.84	<=30	Pass	
16QAM		1712.5	1	0	20.34	0.81	21.15	<=30	Pass
				13	20.47	0.81	21.28	<=30	Pass
	24			20.36	0.81	21.17	<=30	Pass	
	12		0	19.38	0.81	20.19	<=30	Pass	
			6	19.41	0.81	20.22	<=30	Pass	
			13	19.31	0.81	20.12	<=30	Pass	
	25		0	19.39	0.81	20.20	<=30	Pass	
	1732.5	1	0	20.47	0.81	21.28	<=30	Pass	
			13	20.61	0.81	21.42	<=30	Pass	
			24	20.45	0.81	21.26	<=30	Pass	
		12	0	19.26	0.81	20.07	<=30	Pass	
			6	19.36	0.81	20.17	<=30	Pass	
			13	19.36	0.81	20.17	<=30	Pass	
	25	0	19.23	0.81	20.04	<=30	Pass		
	1752.5	1	0	19.86	0.81	20.67	<=30	Pass	
			13	19.98	0.81	20.79	<=30	Pass	
			24	19.82	0.81	20.63	<=30	Pass	
		12	0	19.10	0.81	19.91	<=30	Pass	
			6	19.12	0.81	19.93	<=30	Pass	
			13	19.00	0.81	19.81	<=30	Pass	
		25	0	19.10	0.81	19.91	<=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	21.29	0.81	22.10	<=30	Pass
			25	21.53	0.81	22.34	<=30	Pass

		25	49	21.30	0.81	22.11	<=30	Pass	
			0	20.45	0.81	21.26	<=30	Pass	
			13	20.44	0.81	21.25	<=30	Pass	
			25	20.36	0.81	21.17	<=30	Pass	
		50	0	20.43	0.81	21.24	<=30	Pass	
	1732.5	1	0	21.21	0.81	22.02	<=30	Pass	
			25	21.38	0.81	22.19	<=30	Pass	
			49	21.16	0.81	21.97	<=30	Pass	
		25	0	20.25	0.81	21.06	<=30	Pass	
			13	20.34	0.81	21.15	<=30	Pass	
			25	20.38	0.81	21.19	<=30	Pass	
		50	0	20.32	0.81	21.13	<=30	Pass	
		1750	1	0	21.00	0.81	21.81	<=30	Pass
				25	21.18	0.81	21.99	<=30	Pass
	49			20.90	0.81	21.71	<=30	Pass	
	25		0	20.19	0.81	21.00	<=30	Pass	
			13	20.09	0.81	20.90	<=30	Pass	
			25	20.06	0.81	20.87	<=30	Pass	
	50		0	20.12	0.81	20.93	<=30	Pass	
	16QAM	1715	1	0	20.35	0.81	21.16	<=30	Pass
				25	20.52	0.81	21.33	<=30	Pass
				49	20.40	0.81	21.21	<=30	Pass
			25	0	19.61	0.81	20.42	<=30	Pass
				13	19.53	0.81	20.34	<=30	Pass
25				19.48	0.81	20.29	<=30	Pass	
50			0	19.45	0.81	20.26	<=30	Pass	
1732.5		1	0	20.41	0.81	21.22	<=30	Pass	
			25	20.59	0.81	21.40	<=30	Pass	
			49	20.32	0.81	21.13	<=30	Pass	
		25	0	19.30	0.81	20.11	<=30	Pass	
			13	19.36	0.81	20.17	<=30	Pass	
			25	19.40	0.81	20.21	<=30	Pass	
		50	0	19.34	0.81	20.15	<=30	Pass	
1750		1	0	20.67	0.81	21.48	<=30	Pass	
			25	20.80	0.81	21.61	<=30	Pass	
			49	20.55	0.81	21.36	<=30	Pass	
		25	0	19.23	0.81	20.04	<=30	Pass	
			13	19.19	0.81	20.00	<=30	Pass	
			25	19.14	0.81	19.95	<=30	Pass	
		50	0	19.16	0.81	19.97	<=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	21.09	0.81	21.90	<=30	Pass
			38	21.31	0.81	22.12	<=30	Pass
			74	21.05	0.81	21.86	<=30	Pass
		36	0	20.31	0.81	21.12	<=30	Pass
			18	20.31	0.81	21.12	<=30	Pass
			39	20.24	0.81	21.05	<=30	Pass

		75	0	20.33	0.81	21.14	<=30	Pass
		1	0	21.10	0.81	21.91	<=30	Pass
			38	21.20	0.81	22.01	<=30	Pass
			74	20.95	0.81	21.76	<=30	Pass
		36	0	20.17	0.81	20.98	<=30	Pass
			18	20.23	0.81	21.04	<=30	Pass
			39	20.30	0.81	21.11	<=30	Pass
		75	0	20.24	0.81	21.05	<=30	Pass
		1747.5	1	0	0.81	21.76	<=30	Pass
				38	0.81	21.86	<=30	Pass
				74	0.81	21.56	<=30	Pass
			36	0	0.81	20.92	<=30	Pass
				18	0.81	20.93	<=30	Pass
				39	0.81	20.82	<=30	Pass
			75	0	0.81	20.88	<=30	Pass
16QAM	1717.5	1	0	20.60	0.81	21.41	<=30	Pass
			38	20.83	0.81	21.64	<=30	Pass
			74	20.58	0.81	21.39	<=30	Pass
		36	0	19.38	0.81	20.19	<=30	Pass
			18	19.37	0.81	20.18	<=30	Pass
			39	19.27	0.81	20.08	<=30	Pass
		75	0	19.31	0.81	20.12	<=30	Pass
	1732.5	1	0	20.28	0.81	21.09	<=30	Pass
			38	20.46	0.81	21.27	<=30	Pass
			74	20.19	0.81	21.00	<=30	Pass
		36	0	19.20	0.81	20.01	<=30	Pass
			18	19.28	0.81	20.09	<=30	Pass
			39	19.29	0.81	20.10	<=30	Pass
		75	0	19.24	0.81	20.05	<=30	Pass
	1747.5	1	0	20.49	0.81	21.30	<=30	Pass
			38	20.69	0.81	21.50	<=30	Pass
			74	20.46	0.81	21.27	<=30	Pass
		36	0	19.12	0.81	19.93	<=30	Pass
			18	19.17	0.81	19.98	<=30	Pass
			39	19.03	0.81	19.84	<=30	Pass
		75	0	19.08	0.81	19.89	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

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	20.94	0.81	21.75	<=30	Pass
			50	21.43	0.81	22.24	<=30	Pass
			99	20.81	0.81	21.62	<=30	Pass
		50	0	20.38	0.81	21.19	<=30	Pass
			25	20.39	0.81	21.20	<=30	Pass
			50	20.34	0.81	21.15	<=30	Pass
		100	0	20.34	0.81	21.15	<=30	Pass
	1732.5	1	0	20.97	0.81	21.78	<=30	Pass
			50	21.43	0.81	22.24	<=30	Pass
			99	20.86	0.81	21.67	<=30	Pass

		50	0	20.16	0.81	20.97	<=30	Pass
			25	20.27	0.81	21.08	<=30	Pass
			50	20.32	0.81	21.13	<=30	Pass
		100	0	20.26	0.81	21.07	<=30	Pass
	1745	1	0	20.86	0.81	21.67	<=30	Pass
			50	21.25	0.81	22.06	<=30	Pass
			99	20.69	0.81	21.50	<=30	Pass
		50	0	20.12	0.81	20.93	<=30	Pass
			25	20.14	0.81	20.95	<=30	Pass
			50	19.98	0.81	20.79	<=30	Pass
		100	0	20.04	0.81	20.85	<=30	Pass
	1720	1	0	20.55	0.81	21.36	<=30	Pass
			50	21.07	0.81	21.88	<=30	Pass
			99	20.46	0.81	21.27	<=30	Pass
		50	0	19.49	0.81	20.30	<=30	Pass
			25	19.41	0.81	20.22	<=30	Pass
			50	19.37	0.81	20.18	<=30	Pass
		100	0	19.41	0.81	20.22	<=30	Pass
16QAM	1732.5	1	0	20.25	0.81	21.06	<=30	Pass
			50	20.61	0.81	21.42	<=30	Pass
			99	20.06	0.81	20.87	<=30	Pass
		50	0	19.22	0.81	20.03	<=30	Pass
			25	19.26	0.81	20.07	<=30	Pass
			50	19.30	0.81	20.11	<=30	Pass
		100	0	19.25	0.81	20.06	<=30	Pass
	1745	1	0	20.16	0.81	20.97	<=30	Pass
			50	20.55	0.81	21.36	<=30	Pass
			99	20.03	0.81	20.84	<=30	Pass
		50	0	19.14	0.81	19.95	<=30	Pass
			25	19.15	0.81	19.96	<=30	Pass
			50	18.99	0.81	19.80	<=30	Pass
		100	0	19.05	0.81	19.86	<=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	-16.580	-0.0097	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
					4.43	0.315	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-17.924	-0.0105	-2.5 to 2.5	Pass
				40	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-8.483	-0.0050	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-10.157	-0.0059	-2.5 to 2.5	Pass
					3.85	0.372	0.0002	-2.5 to 2.5	Pass
					4.43	-1.202	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-4.048	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-12.860	-0.0074	-2.5 to 2.5	Pass
				30	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				50	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-4.191	-0.0024	-2.5 to 2.5	Pass
					3.85	-11.873	-0.0068	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-6.223	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-11.301	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-9.012	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-6.509	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-4.005	-0.0023	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
					4.43	-15.979	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-9.785	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
					3.27	0.372	0.0002	-2.5 to 2.5	Pass
					3.85	-8.054	-0.0046	-2.5 to 2.5	Pass
				-30	4.43	-5.779	-0.0033	-2.5 to 2.5	Pass
					3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
					3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
	1754.3	6	0	40	3.85	-9.756	-0.0056	-2.5 to 2.5	Pass
					3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.005	-0.0005	-2.5 to 2.5	Pass
				50	3.27	-4.678	-0.0027	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
					4.43	-5.150	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-4.549	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-9.527	-0.0054	-2.5 to 2.5	Pass
				10	3.85	6.294	0.0036	-2.5 to 2.5	Pass
				30	3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				50	3.85	-5.822	-0.0033	-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	7.482	0.0044	-2.5 to 2.5	Pass
					3.85	14.048	0.0082	-2.5 to 2.5	Pass
					4.43	12.431	0.0073	-2.5 to 2.5	Pass
				-30	3.85	13.590	0.0079	-2.5 to 2.5	Pass
				-20	3.85	8.426	0.0049	-2.5 to 2.5	Pass
				-10	3.85	5.651	0.0033	-2.5 to 2.5	Pass
				0	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0029	-2.5 to 2.5	Pass
				30	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				40	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0032	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-14.462	-0.0083	-2.5 to 2.5	Pass
					3.85	-8.140	-0.0047	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-7.567	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.106	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-14.119	-0.0081	-2.5 to 2.5	Pass
					3.85	-13.576	-0.0077	-2.5 to 2.5	Pass
					4.43	-7.238	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-9.556	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-10.443	-0.0060	-2.5 to 2.5	Pass
				-10	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-5.951	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-33.402	-0.0190	-2.5 to 2.5	Pass
				30	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-0.315	-0.0002	-2.5 to 2.5	Pass
					3.85	-5.107	-0.0030	-2.5 to 2.5	Pass
					4.43	-5.836	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-4.721	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				30	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-8.054	-0.0046	-2.5 to 2.5	Pass
					3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
					4.43	-7.739	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	4.148	0.0024	-2.5 to 2.5	Pass
				-20	3.85	-8.969	-0.0052	-2.5 to 2.5	Pass

				-10	3.85	-9.985	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-9.327	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				40	3.85	4.449	0.0026	-2.5 to 2.5	Pass
				50	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	6.051	0.0035	-2.5 to 2.5	Pass
					3.85	-9.227	-0.0053	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-10.400	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-8.583	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-3.419	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-9.055	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-5.465	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-9.556	-0.0054	-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	-2.761	-0.0016	-2.5 to 2.5	Pass
					3.85	1.059	0.0006	-2.5 to 2.5	Pass
					4.43	2.189	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	5.279	0.0031	-2.5 to 2.5	Pass
				-10	3.85	-3.705	-0.0022	-2.5 to 2.5	Pass
				0	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-6.995	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-6.452	-0.0038	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-6.766	-0.0039	-2.5 to 2.5	Pass
					3.85	-11.015	-0.0064	-2.5 to 2.5	Pass
					4.43	-7.381	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-10.529	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-9.184	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-10.529	-0.0060	-2.5 to 2.5	Pass
					3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
					4.43	1.502	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.988	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-8.583	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-10.171	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-10.629	-0.0061	-2.5 to 2.5	Pass

				30	3.85	-9.127	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-9.370	-0.0055	-2.5 to 2.5	Pass
					3.85	0.615	0.0004	-2.5 to 2.5	Pass
					4.43	-3.576	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-7.024	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
				30	3.85	5.851	0.0034	-2.5 to 2.5	Pass
				40	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-5.236	-0.0031	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.117	-0.0012	-2.5 to 2.5	Pass
					3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
					4.43	-11.644	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-8.254	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-12.231	-0.0070	-2.5 to 2.5	Pass
					3.85	-12.474	-0.0071	-2.5 to 2.5	Pass
					4.43	-14.019	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-16.694	-0.0095	-2.5 to 2.5	Pass
				-20	3.85	-10.757	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-10.886	-0.0062	-2.5 to 2.5	Pass
				30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-12.732	-0.0073	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0023	-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	-6.065	-0.0035	-2.5 to 2.5	Pass
					3.85	-1.116	-0.0007	-2.5 to 2.5	Pass
					4.43	1.287	0.0008	-2.5 to 2.5	Pass
				-30	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-8.039	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-4.563	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	-10.185	-0.0059	-2.5 to 2.5	Pass
					3.85	-13.032	-0.0075	-2.5 to 2.5	Pass
					4.43	-12.918	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.901	0.0005	-2.5 to 2.5	Pass
	50	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	-7.253	-0.0041	-2.5 to 2.5	Pass
					3.85	-9.398	-0.0054	-2.5 to 2.5	Pass
					4.43	-12.145	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-10.886	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-9.756	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	-8.969	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-8.397	-0.0048	-2.5 to 2.5	Pass
10				3.85	-6.351	-0.0036	-2.5 to 2.5	Pass	
30				3.85	-10.514	-0.0060	-2.5 to 2.5	Pass	
40				3.85	-10.314	-0.0059	-2.5 to 2.5	Pass	
50	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.27	-2.103	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.276	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-8.955	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-1.287	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-13.418	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-10.071	-0.0059	-2.5 to 2.5	Pass
				40	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
	50	3.85	-10.257	-0.0060	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	-7.367	-0.0043	-2.5 to 2.5	Pass
					3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.674	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-4.034	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-10.071	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
	50	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	-5.236	-0.0030	-2.5 to 2.5	Pass
					3.85	-8.998	-0.0051	-2.5 to 2.5	Pass
					4.43	-12.417	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-6.008	-0.0034	-2.5 to 2.5	Pass
-10				3.85	-10.872	-0.0062	-2.5 to 2.5	Pass	
0				3.85	-6.595	-0.0038	-2.5 to 2.5	Pass	
10				3.85	-12.431	-0.0071	-2.5 to 2.5	Pass	
30				3.85	-10.285	-0.0059	-2.5 to 2.5	Pass	
40				3.85	-11.516	-0.0066	-2.5 to 2.5	Pass	
50	3.85	-3.991	-0.0023	-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	-7.224	-0.0042	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
					4.43	-0.200	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-10.014	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-13.161	-0.0076	-2.5 to 2.5	Pass
					3.85	-12.817	-0.0074	-2.5 to 2.5	Pass
					4.43	-15.163	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-7.324	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	3.104	0.0018	-2.5 to 2.5	Pass
				0	3.85	-9.327	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-9.685	-0.0056	-2.5 to 2.5	Pass
				30	3.85	-12.159	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-11.101	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-11.745	-0.0068	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-6.309	-0.0036	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0037	-2.5 to 2.5	Pass
					4.43	-2.017	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-9.127	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-10.242	-0.0059	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-3.734	-0.0022	-2.5 to 2.5	Pass
					3.85	-7.038	-0.0041	-2.5 to 2.5	Pass
					4.43	-8.669	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-4.935	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-9.298	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-9.842	-0.0057	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.651	-0.0033	-2.5 to 2.5	Pass
					3.85	-9.856	-0.0057	-2.5 to 2.5	Pass
					4.43	-6.766	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-3.691	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass

				-10	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
				10	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				40	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-10.328	-0.0060	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-3.576	-0.0020	-2.5 to 2.5	Pass
					3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
					4.43	-2.904	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-7.653	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-12.445	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-7.939	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-6.652	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-7.968	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-2.403	-0.0014	-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	0.358	0.0002	-2.5 to 2.5	Pass
					3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
					4.43	-6.208	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-10.729	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-10.500	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	-10.085	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-9.685	-0.0056	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-8.626	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-11.272	-0.0066	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-12.603	-0.0073	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
					4.43	-4.206	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-6.766	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-6.938	-0.0040	-2.5 to 2.5	Pass
					3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	2.661	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-5.994	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				10	3.85	1.416	0.0008	-2.5 to 2.5	Pass

				30	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-11.516	-0.0067	-2.5 to 2.5	Pass
					3.85	-9.341	-0.0054	-2.5 to 2.5	Pass
					4.43	-6.065	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-7.825	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-9.985	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-9.427	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.146	-0.0012	-2.5 to 2.5	Pass
					3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-7.825	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-8.225	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-5.937	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.848	-0.0022	-2.5 to 2.5	Pass
					3.85	-9.384	-0.0054	-2.5 to 2.5	Pass
					4.43	-5.622	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-3.219	-0.0018	-2.5 to 2.5	Pass
				30	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass

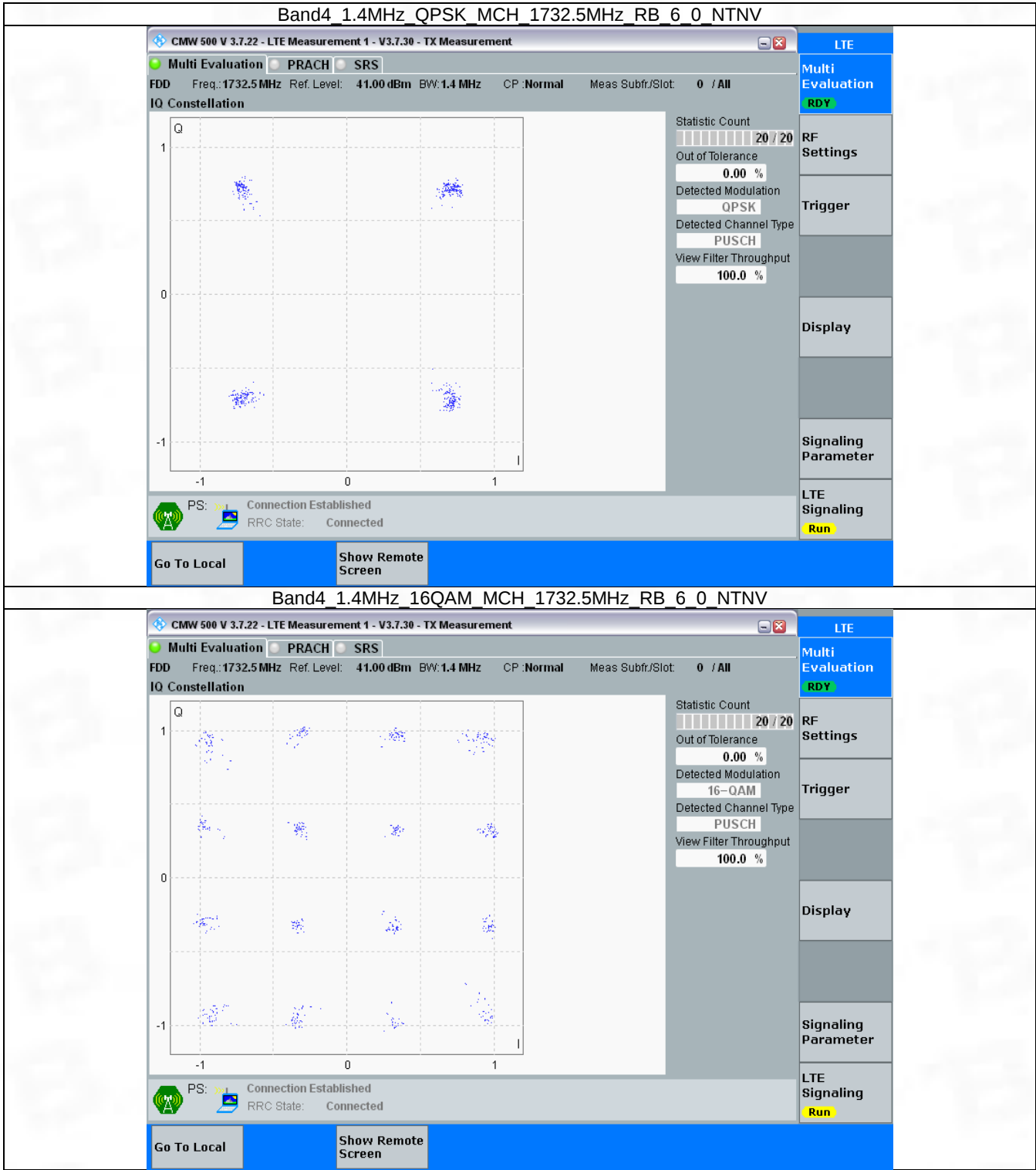
3. Modulation Characteristics

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

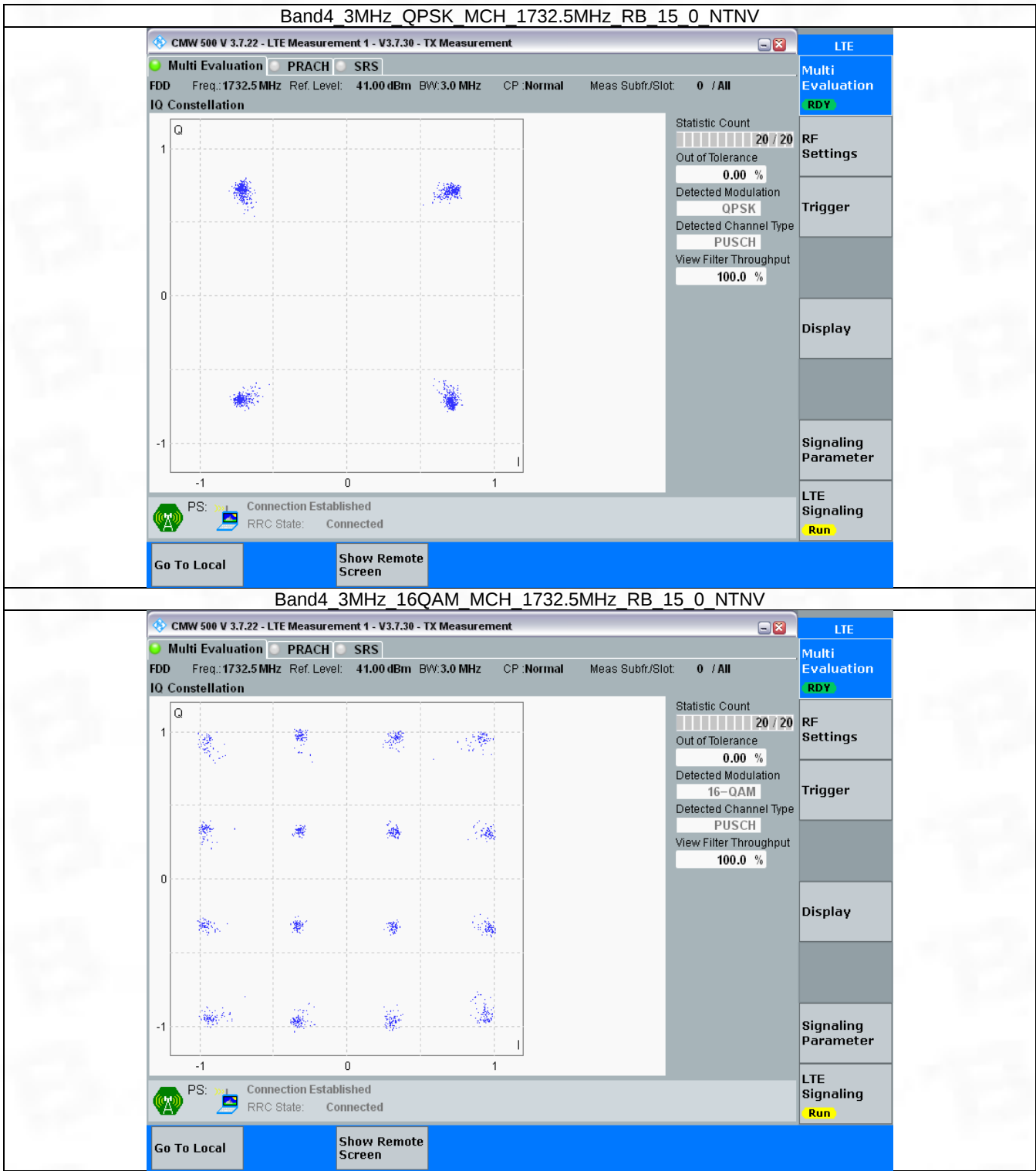


3.2 B4_3MHz

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

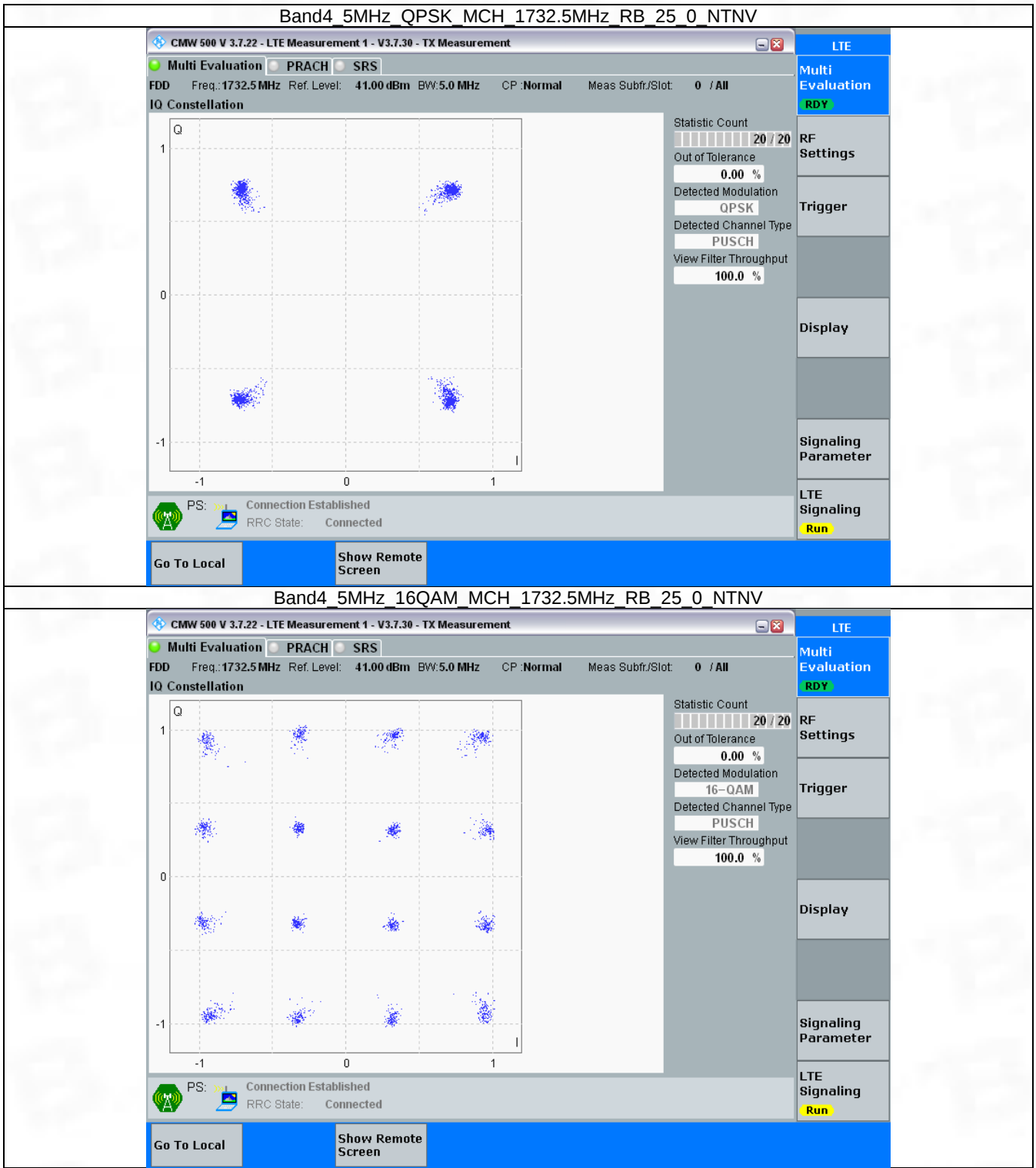


3.3 B4_5MHz

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

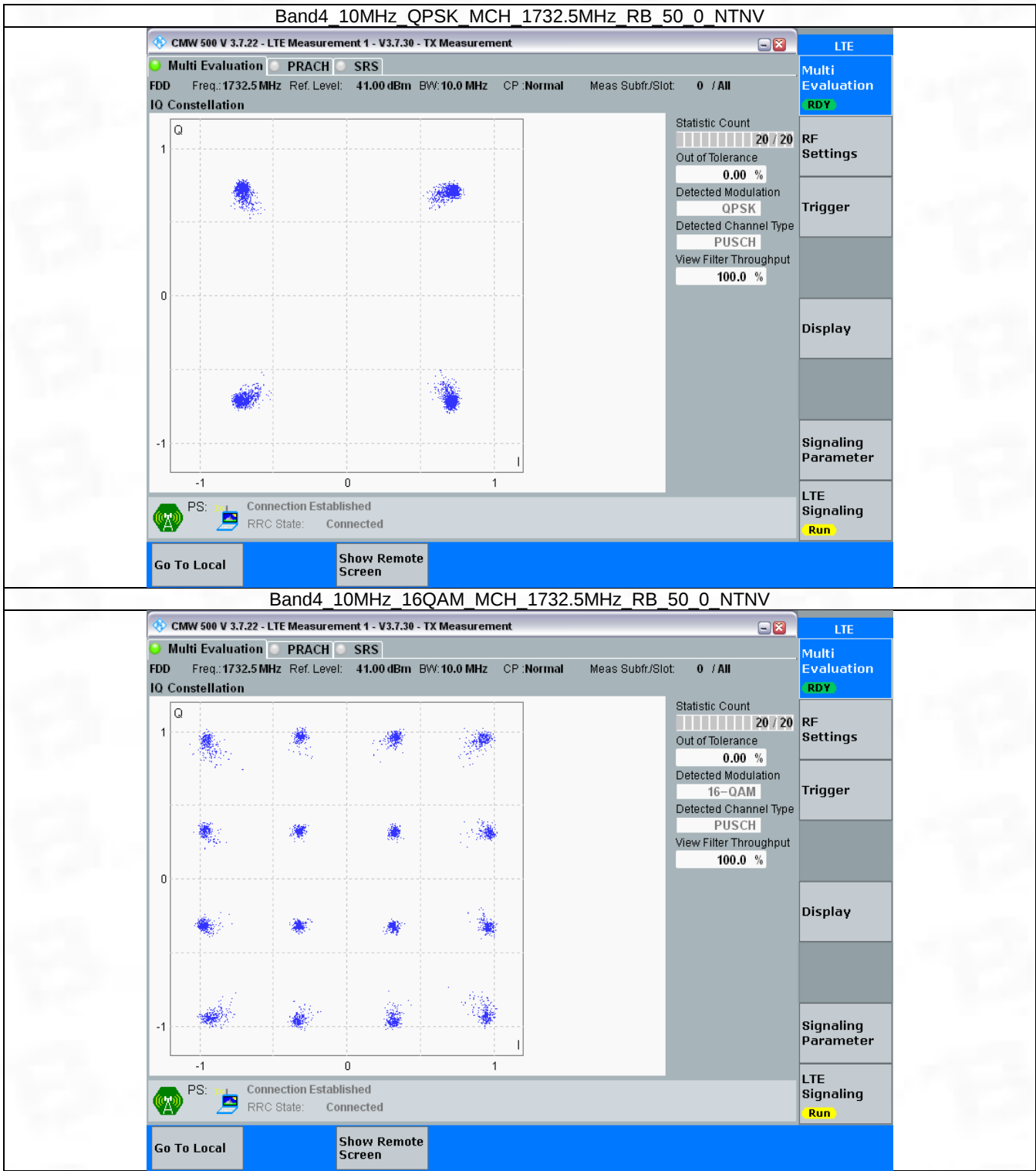


3.4 B4_10MHz

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

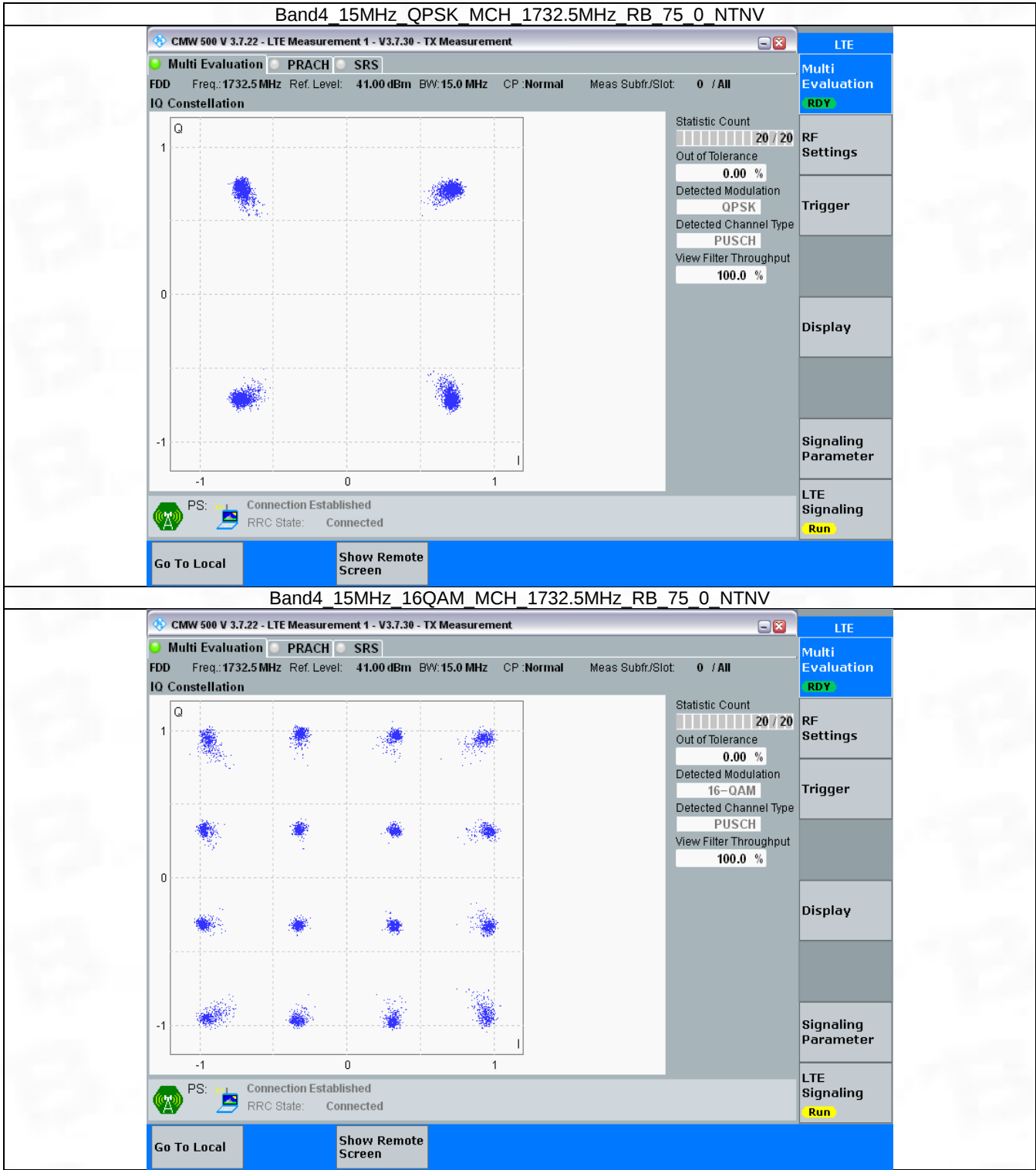


3.5 B4_15MHz

3.5.1 Test Result

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

3.5.2 Test Graph

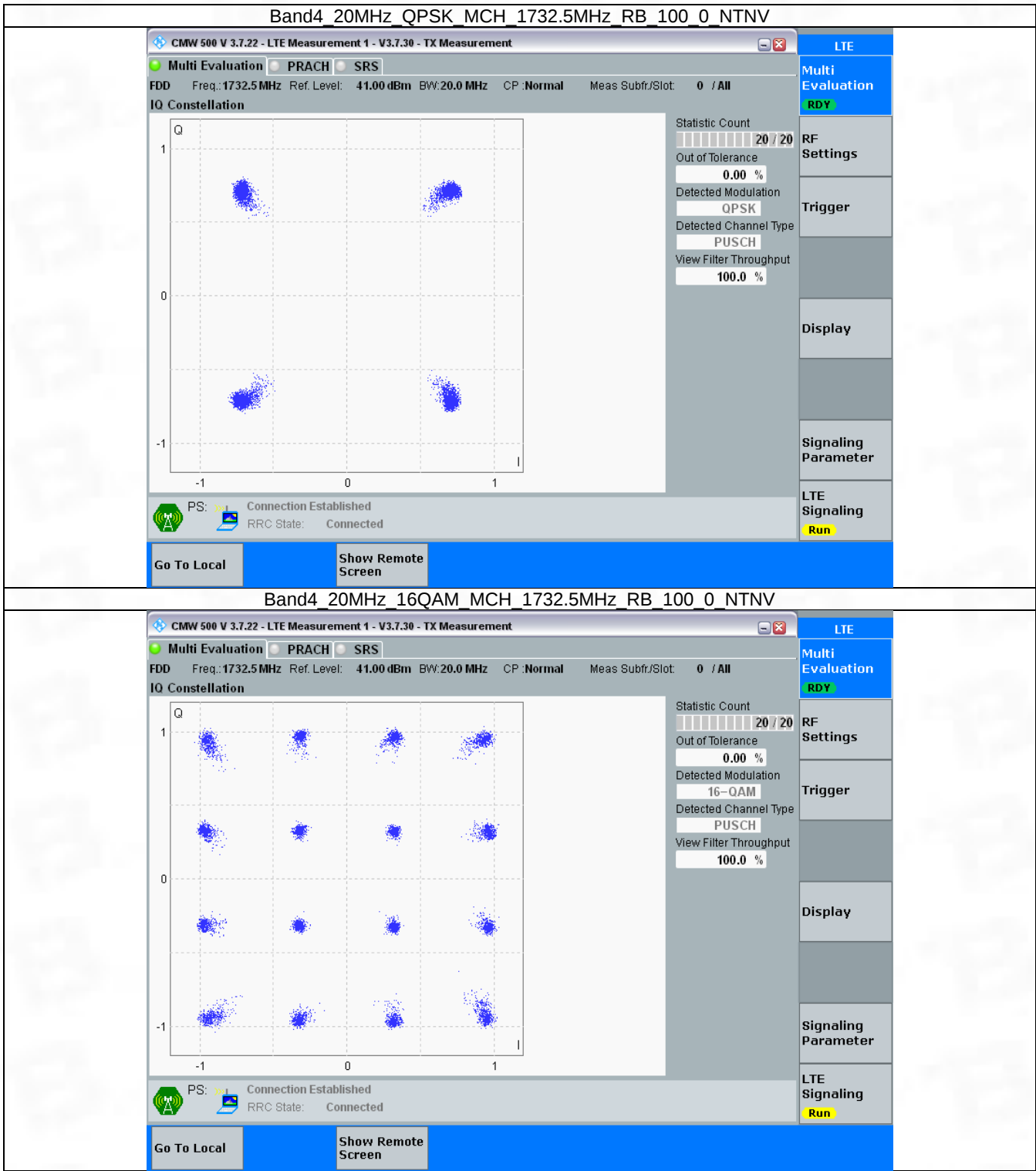


3.6 B4_20MHz

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



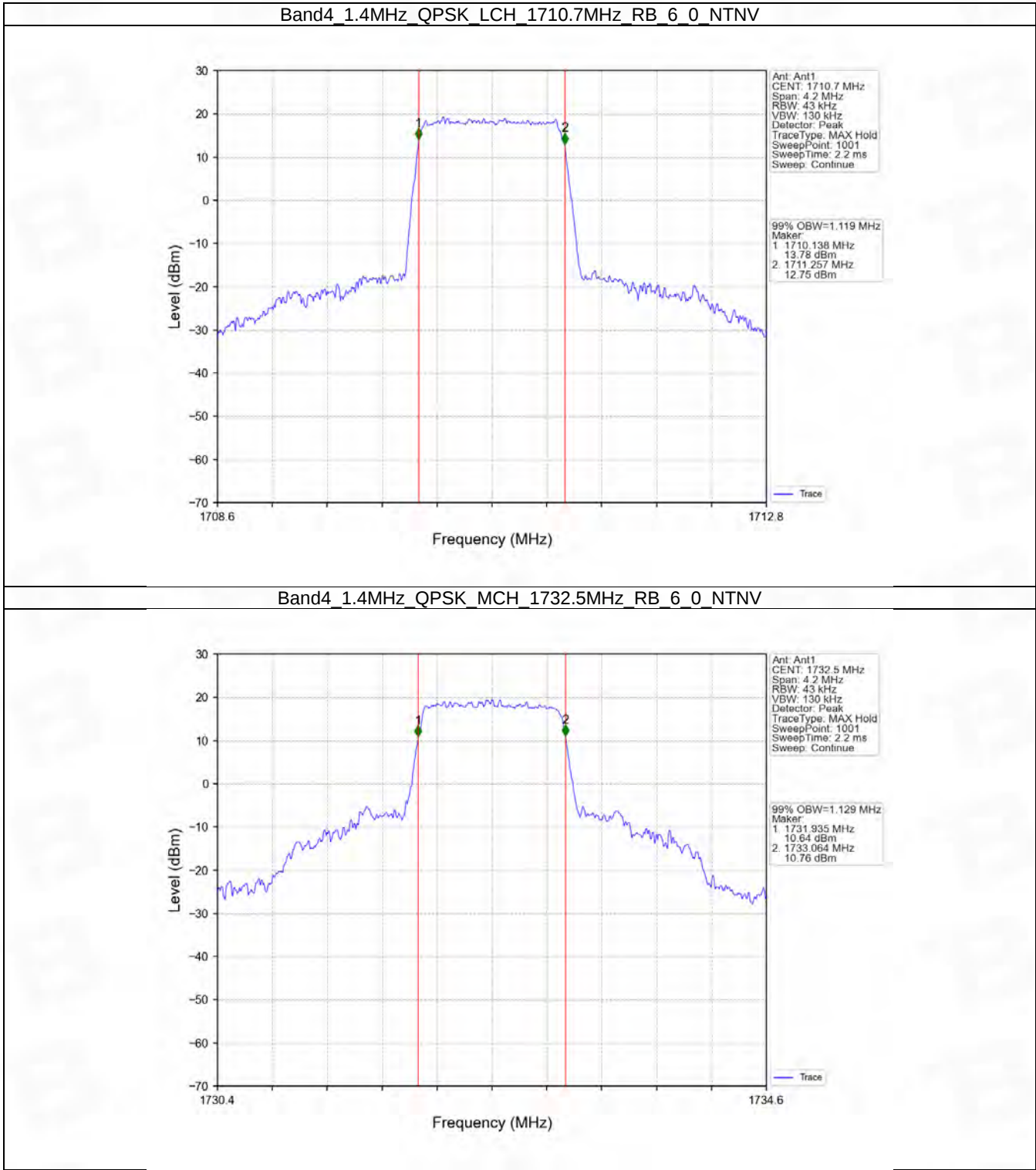
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

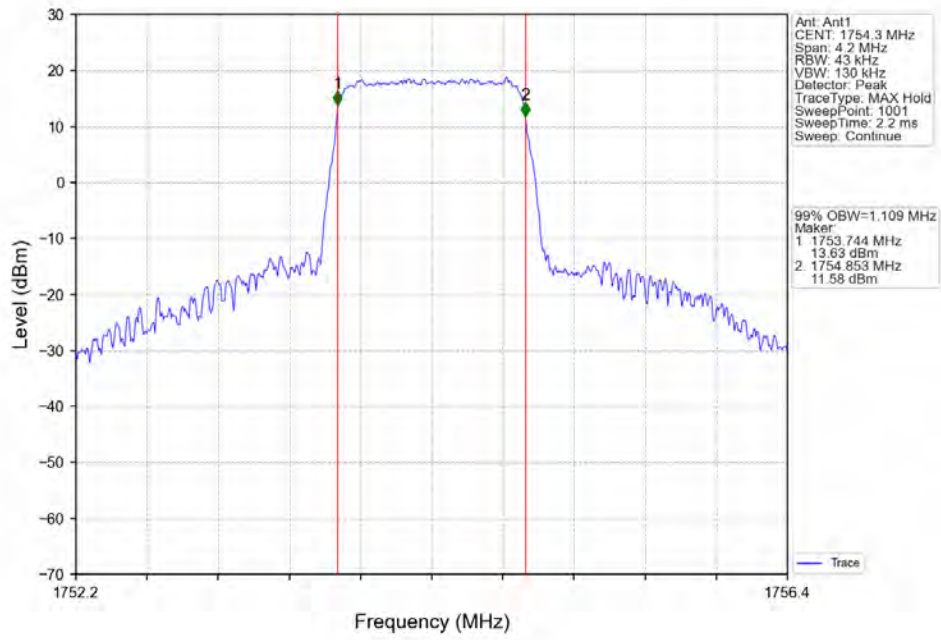
4.1.1 Test Result

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	1.119	/	Pass
		1732.5	6	0	1.129	/	Pass
		1754.3	6	0	1.109	/	Pass
	16QAM	1710.7	6	0	1.120	/	Pass
		1732.5	6	0	1.115	/	Pass
		1754.3	6	0	1.120	/	Pass
3	QPSK	1711.5	15	0	2.769	/	Pass
		1732.5	15	0	2.767	/	Pass
		1753.5	15	0	2.762	/	Pass
	16QAM	1711.5	15	0	2.770	/	Pass
		1732.5	15	0	2.775	/	Pass
		1753.5	15	0	2.751	/	Pass
5	QPSK	1712.5	25	0	4.545	/	Pass
		1732.5	25	0	4.591	/	Pass
		1752.5	25	0	4.572	/	Pass
	16QAM	1712.5	25	0	4.538	/	Pass
		1732.5	25	0	4.605	/	Pass
		1752.5	25	0	4.572	/	Pass
10	QPSK	1715	50	0	9.120	/	Pass
		1732.5	50	0	9.127	/	Pass
		1750	50	0	9.107	/	Pass
	16QAM	1715	50	0	9.077	/	Pass
		1732.5	50	0	9.153	/	Pass
		1750	50	0	9.113	/	Pass
15	QPSK	1717.5	75	0	13.638	/	Pass
		1732.5	75	0	13.705	/	Pass
		1747.5	75	0	13.705	/	Pass
	16QAM	1717.5	75	0	13.635	/	Pass
		1732.5	75	0	13.762	/	Pass
		1747.5	75	0	13.721	/	Pass
20	QPSK	1720	100	0	18.119	/	Pass
		1732.5	100	0	18.196	/	Pass
		1745	100	0	18.350	/	Pass
	16QAM	1720	100	0	18.069	/	Pass
		1732.5	100	0	18.286	/	Pass
		1745	100	0	18.366	/	Pass

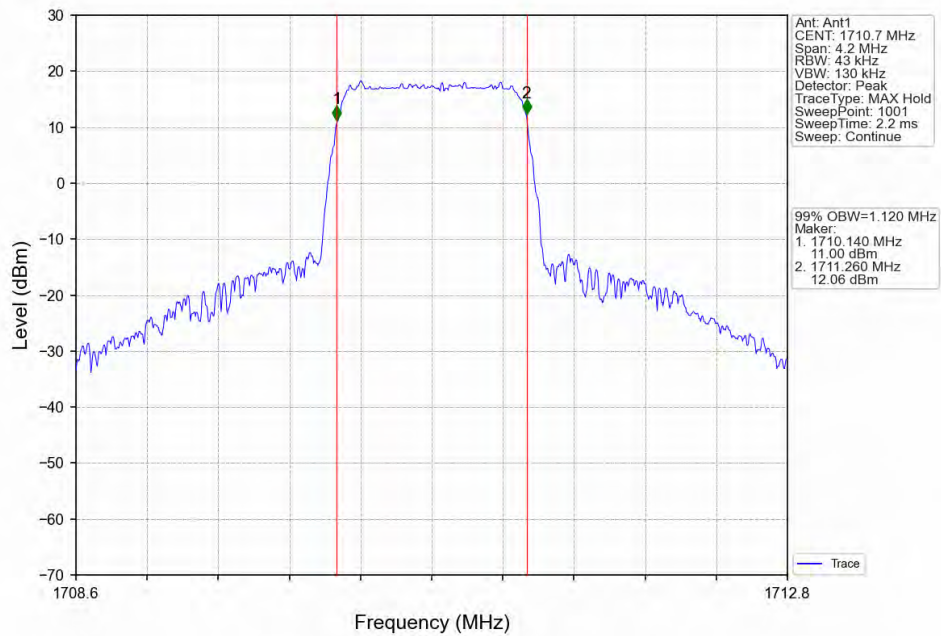
4.1.2 Test Graph



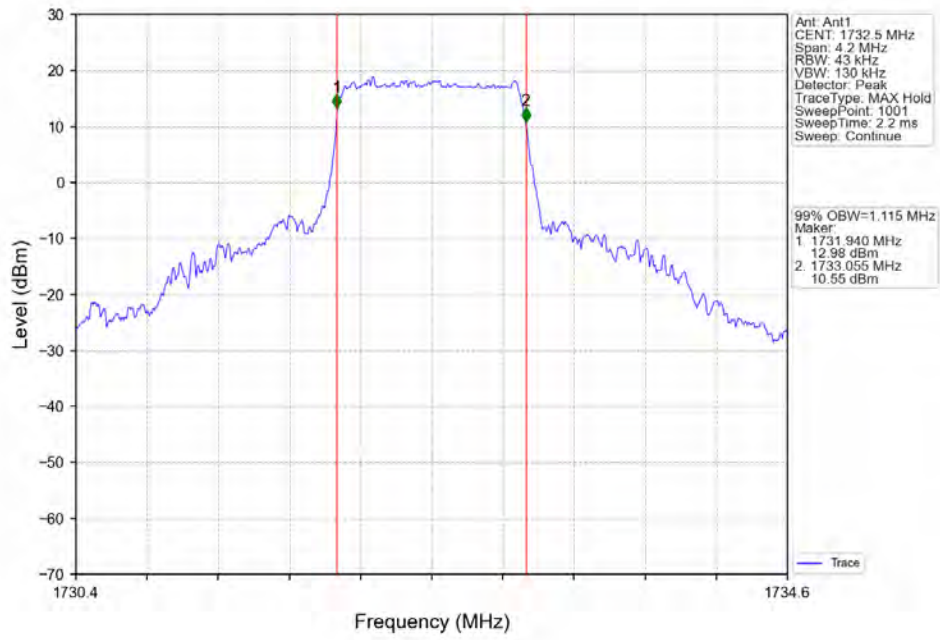
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



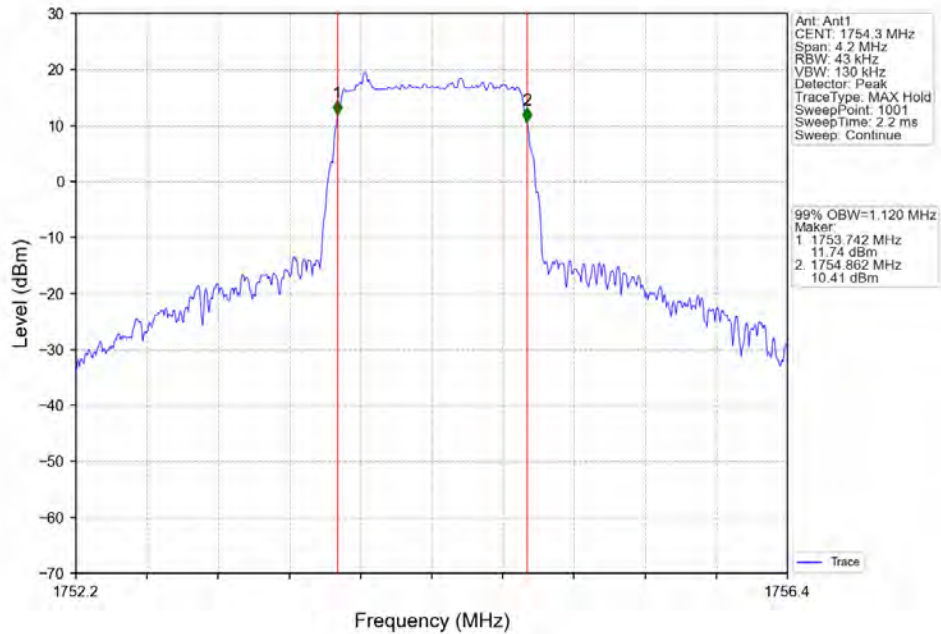
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



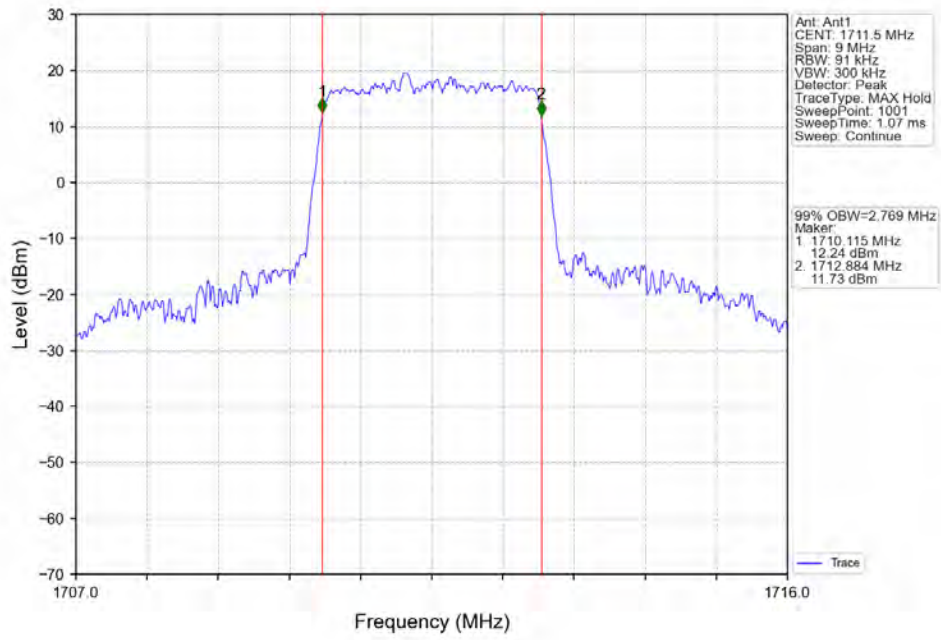
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



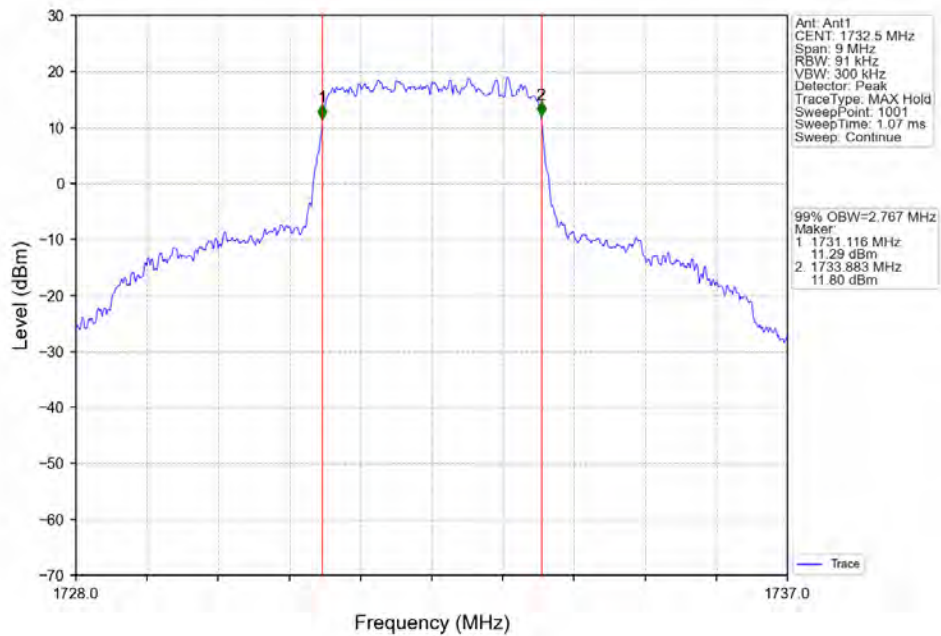
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



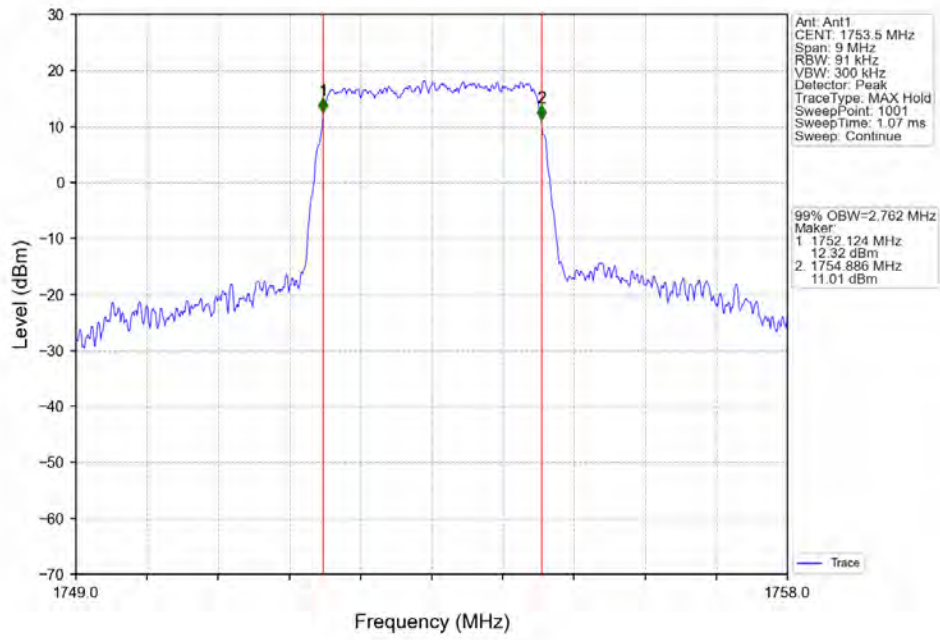
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTN



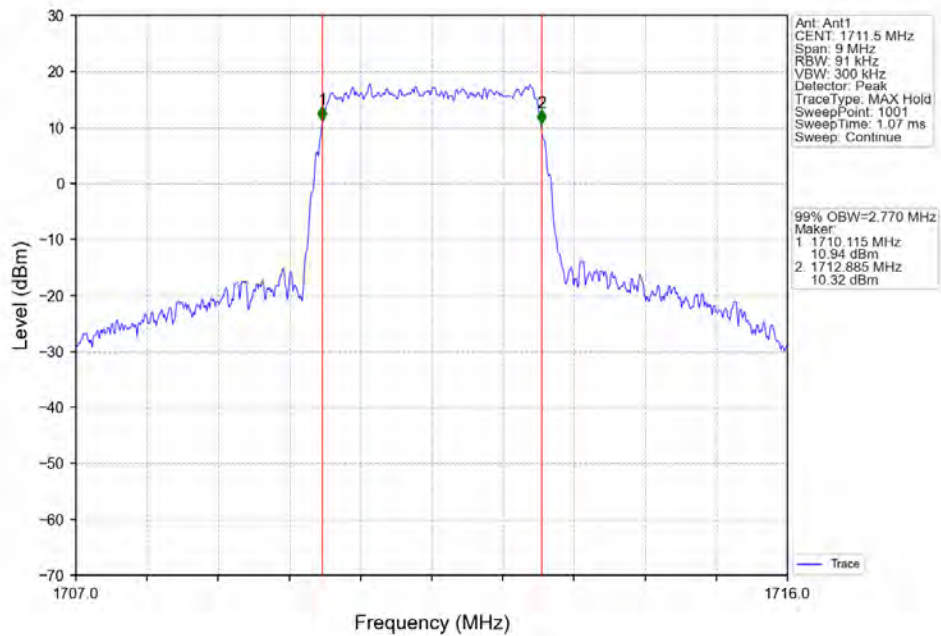
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTN



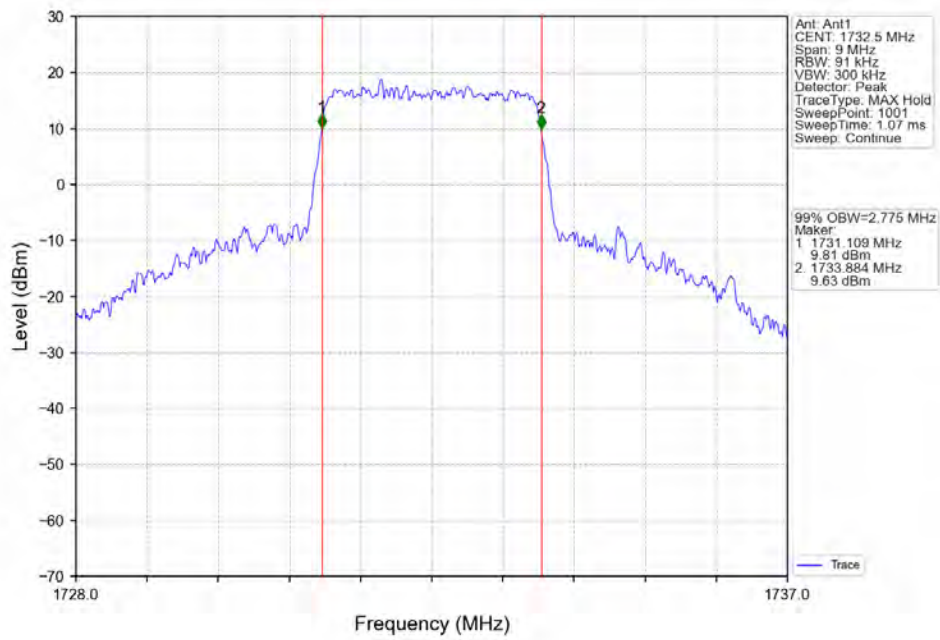
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



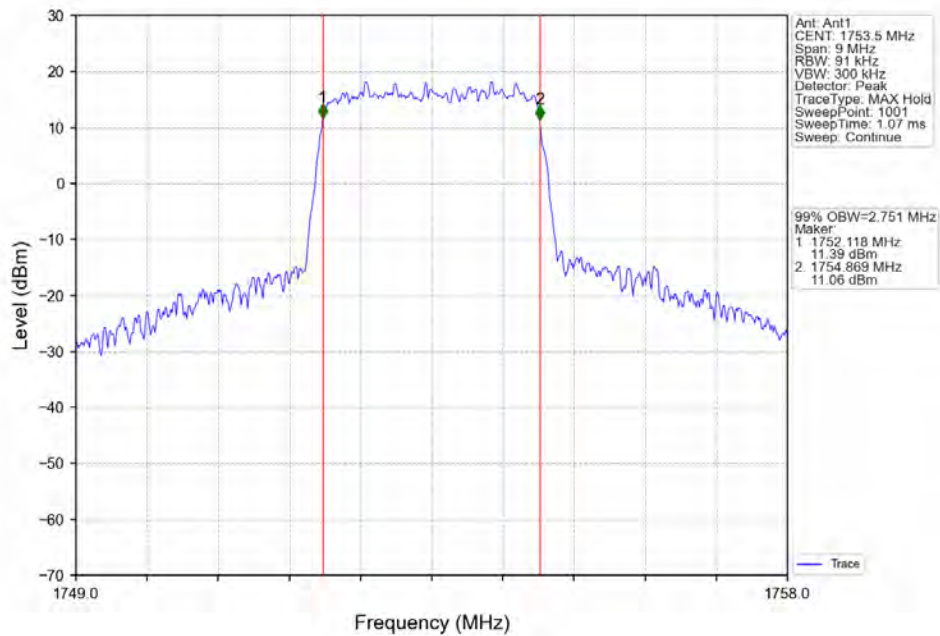
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



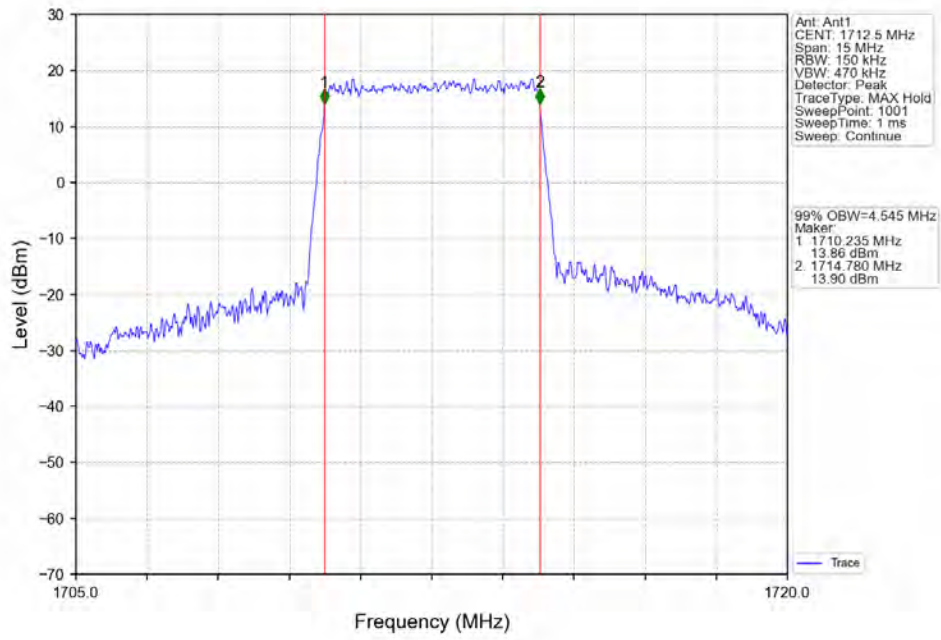
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



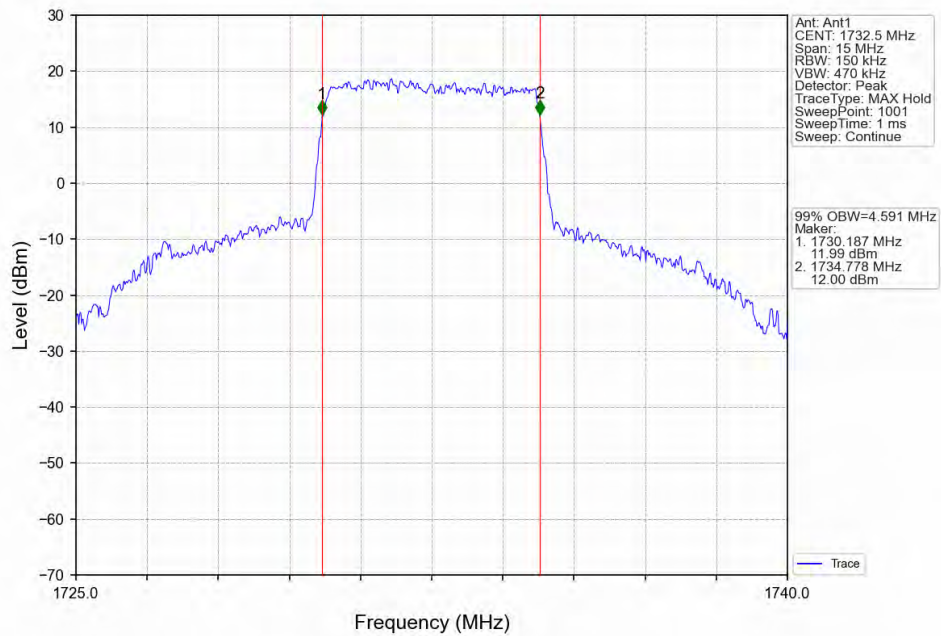
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



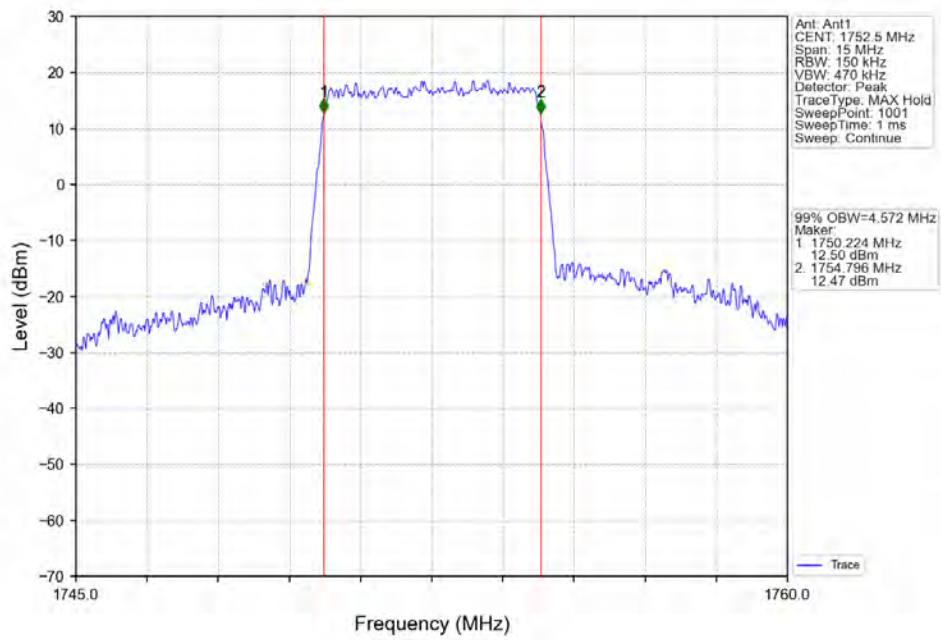
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



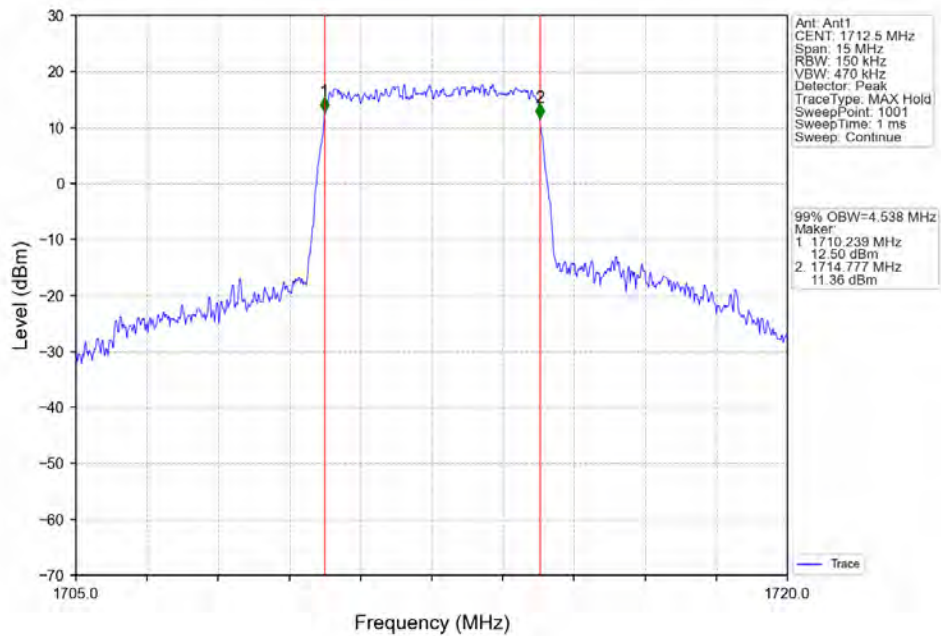
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



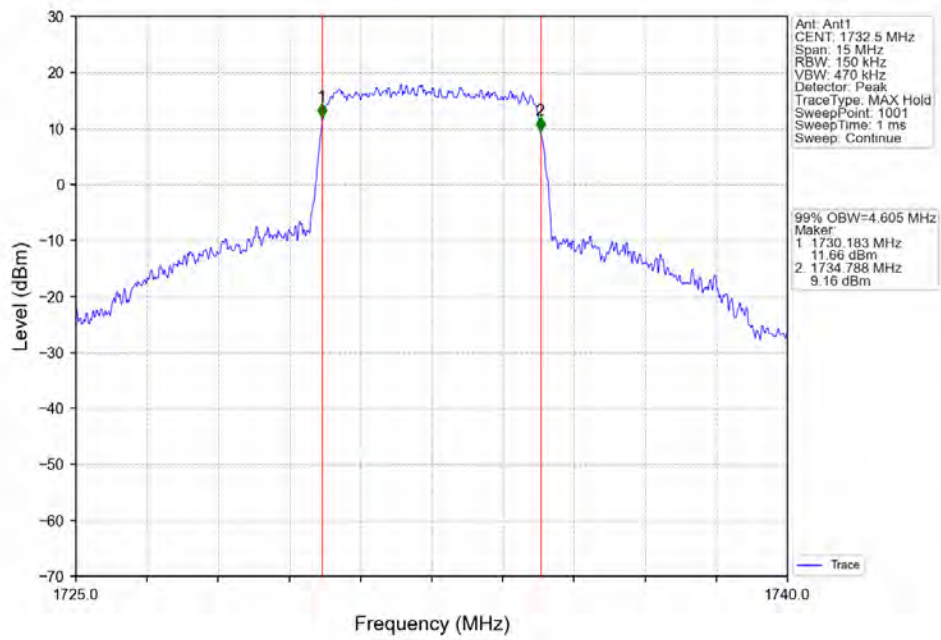
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



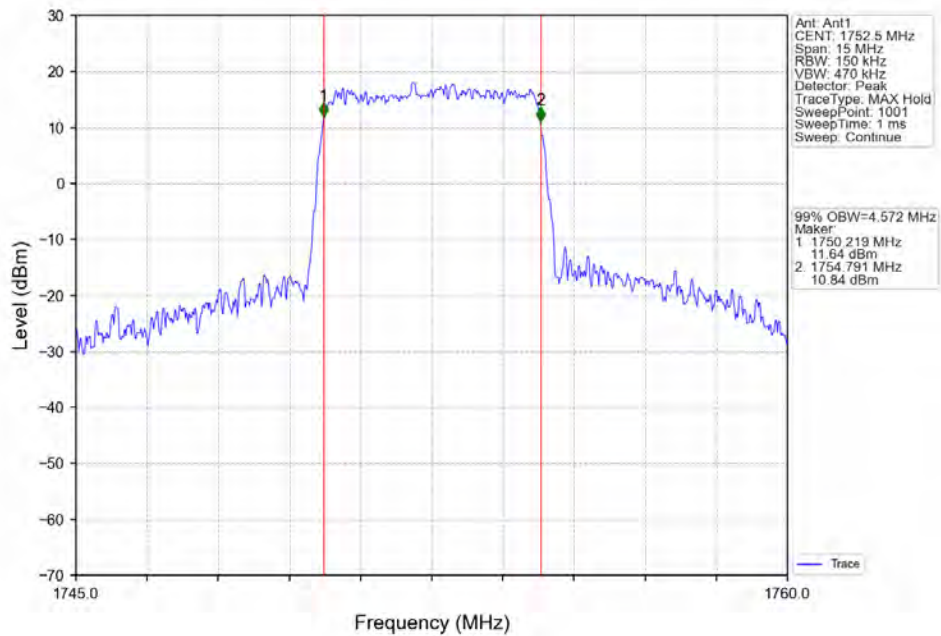
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



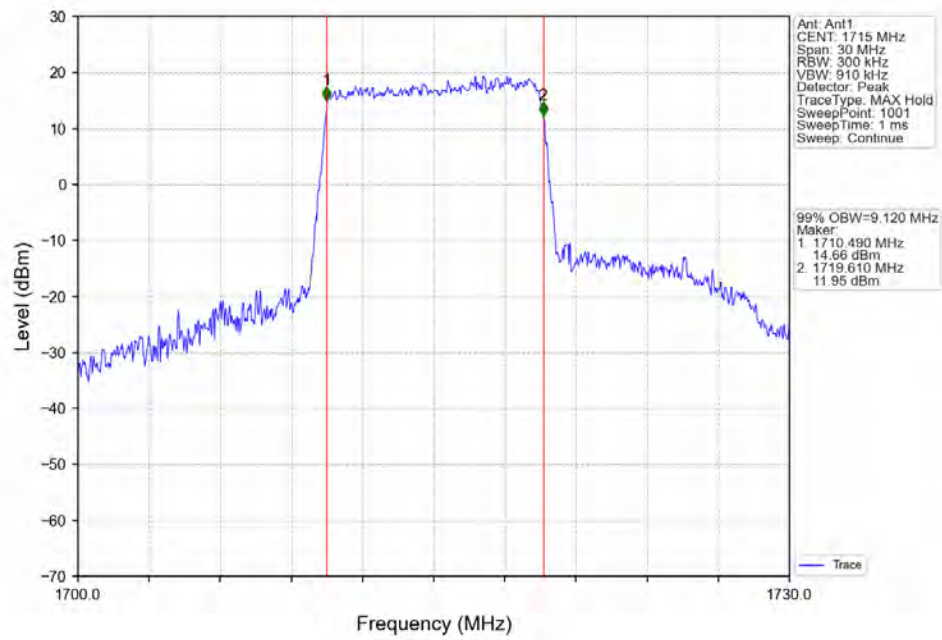
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



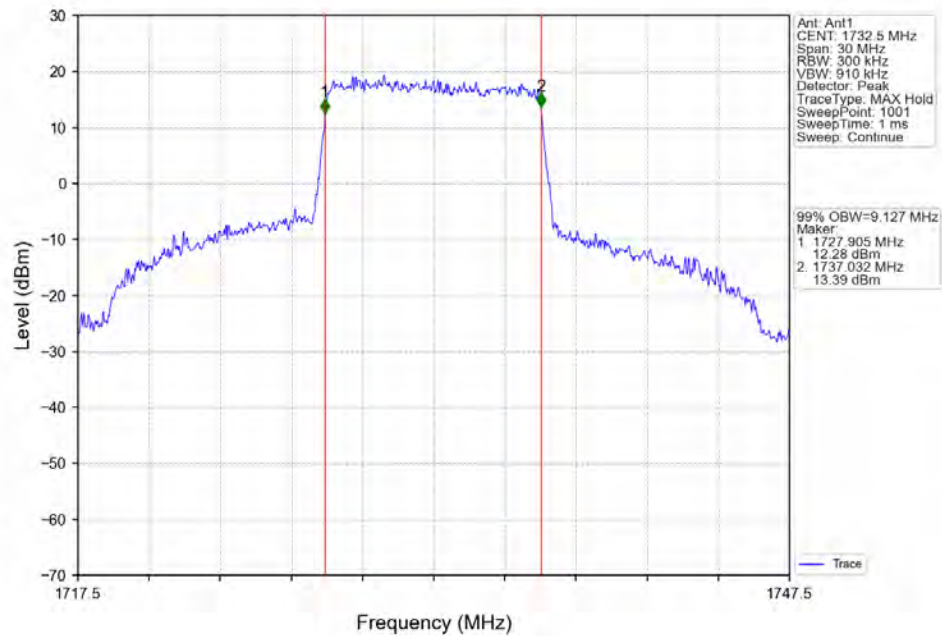
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



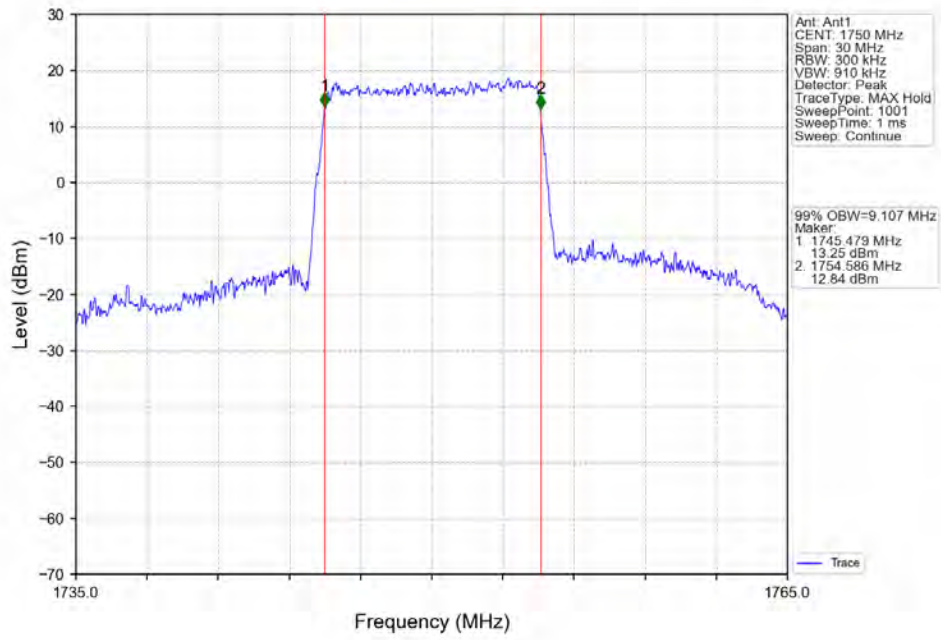
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



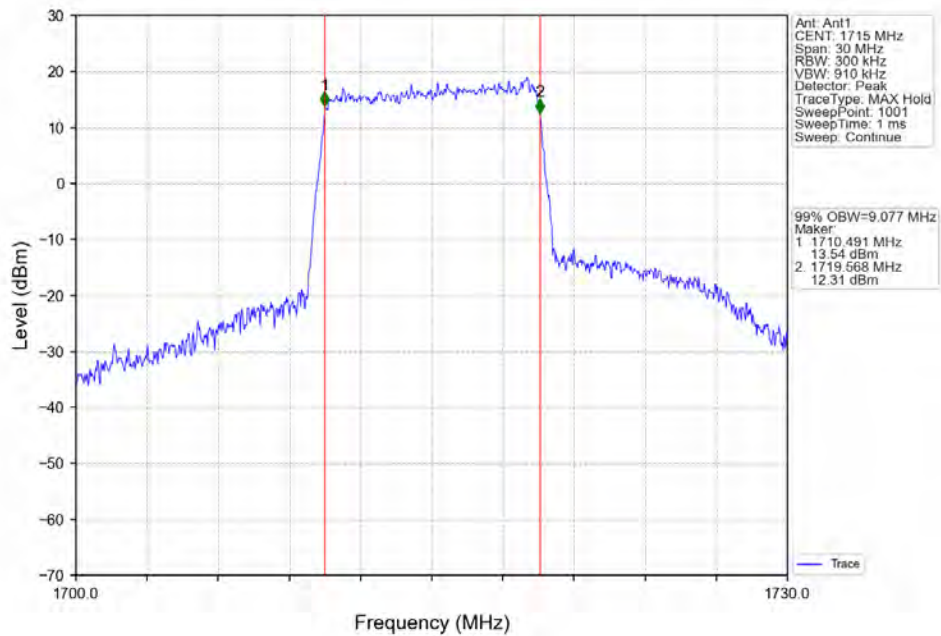
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



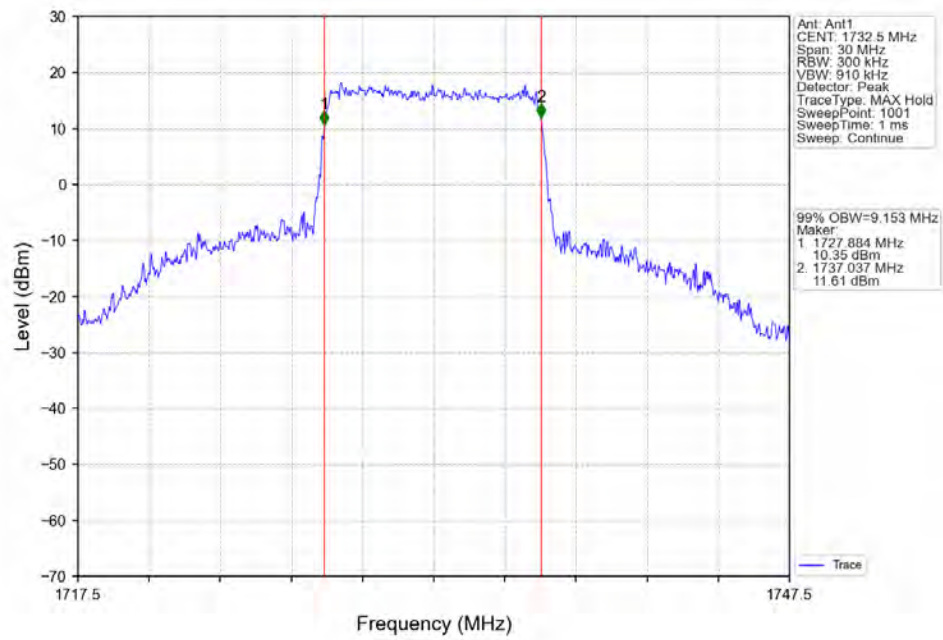
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



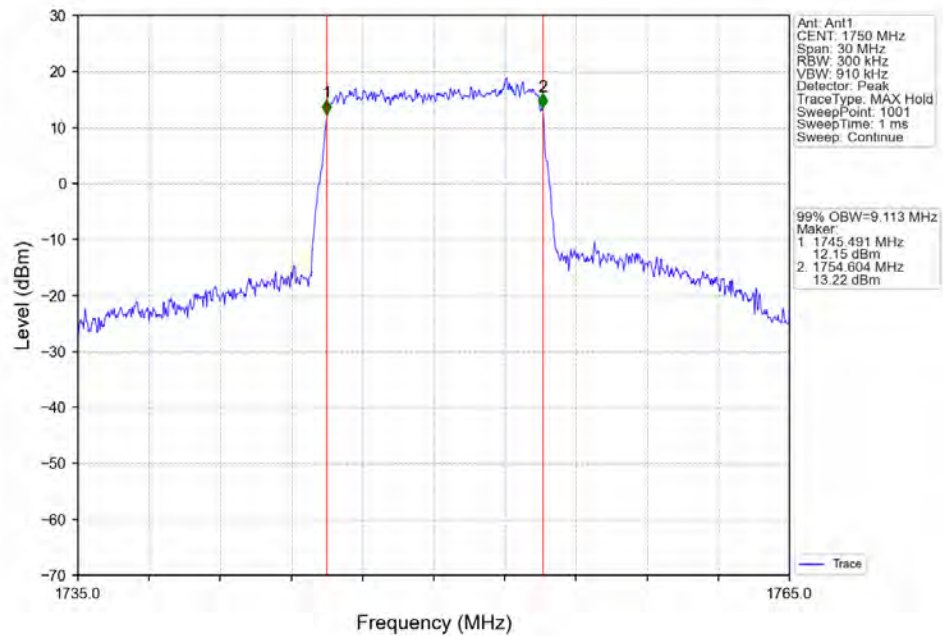
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



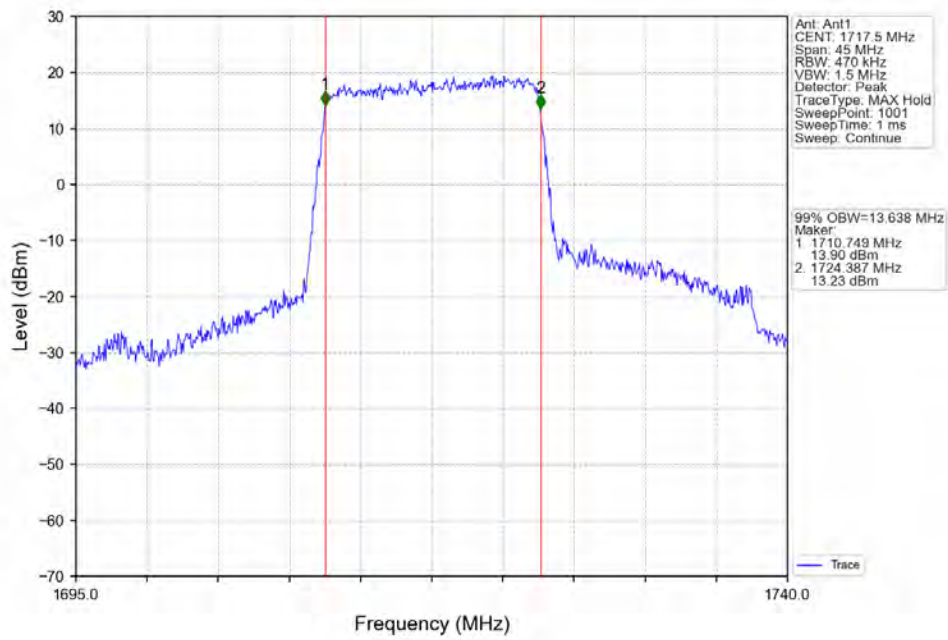
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



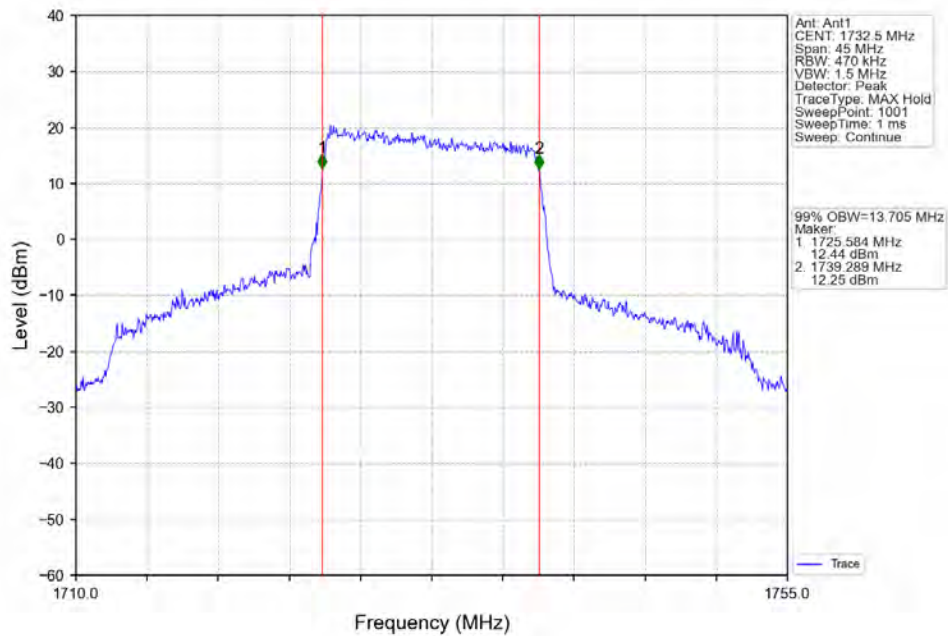
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



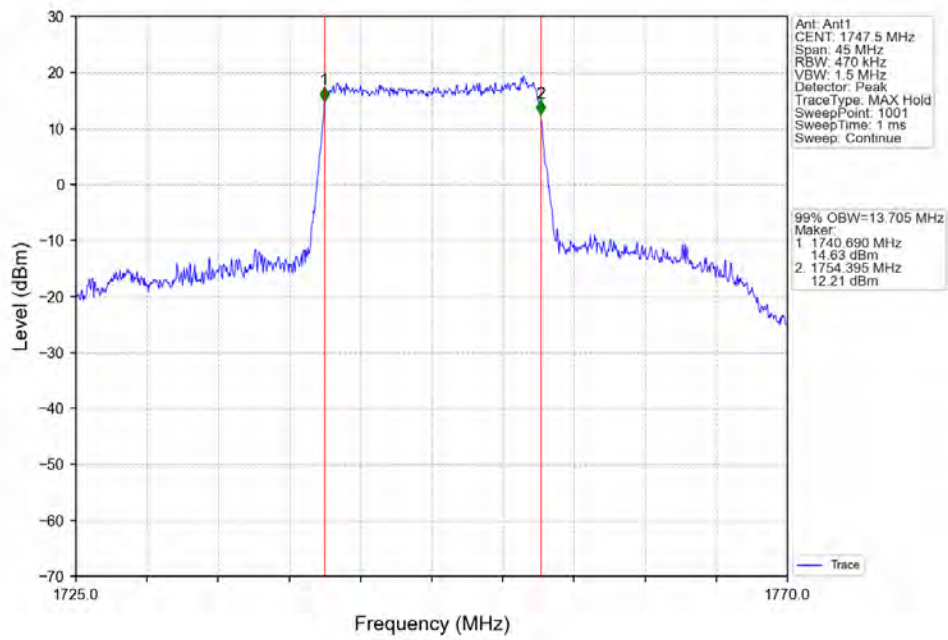
Band4_15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



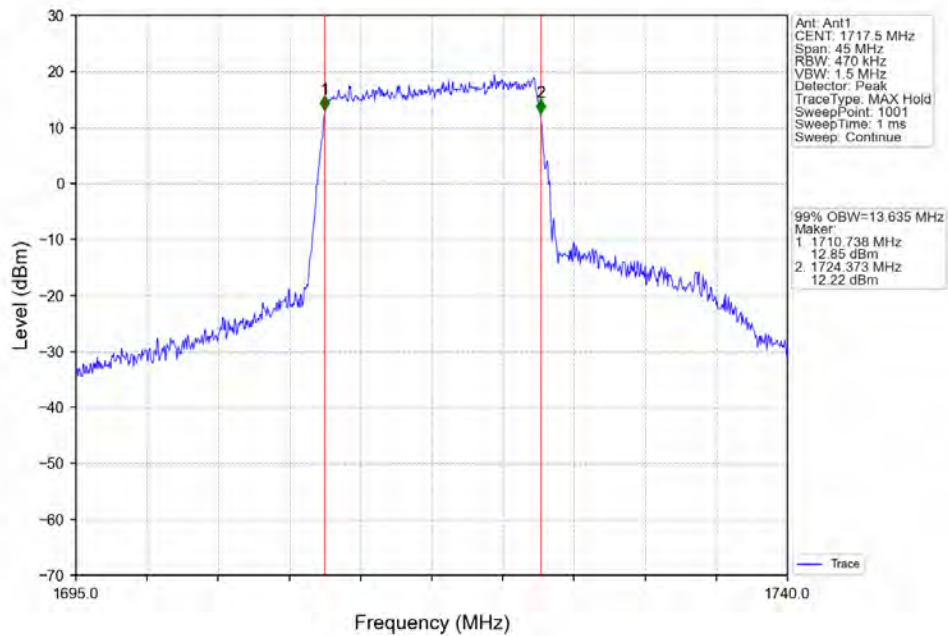
Band4_15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



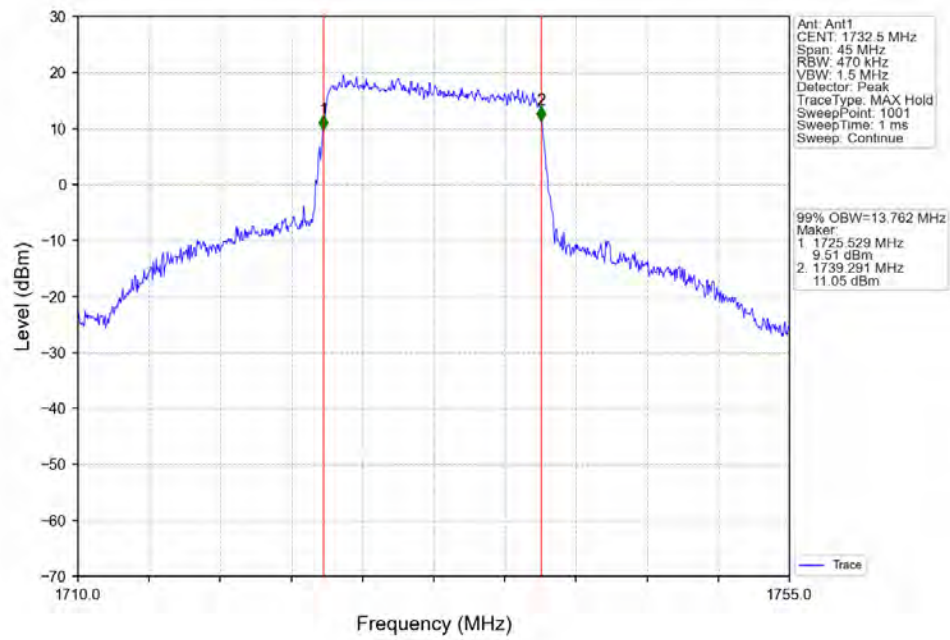
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



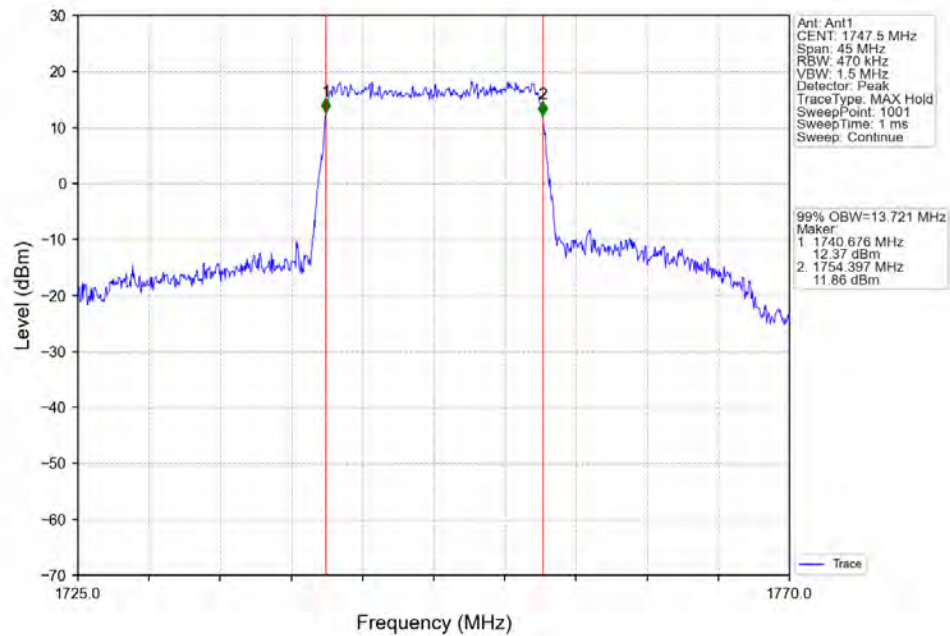
Band4_15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



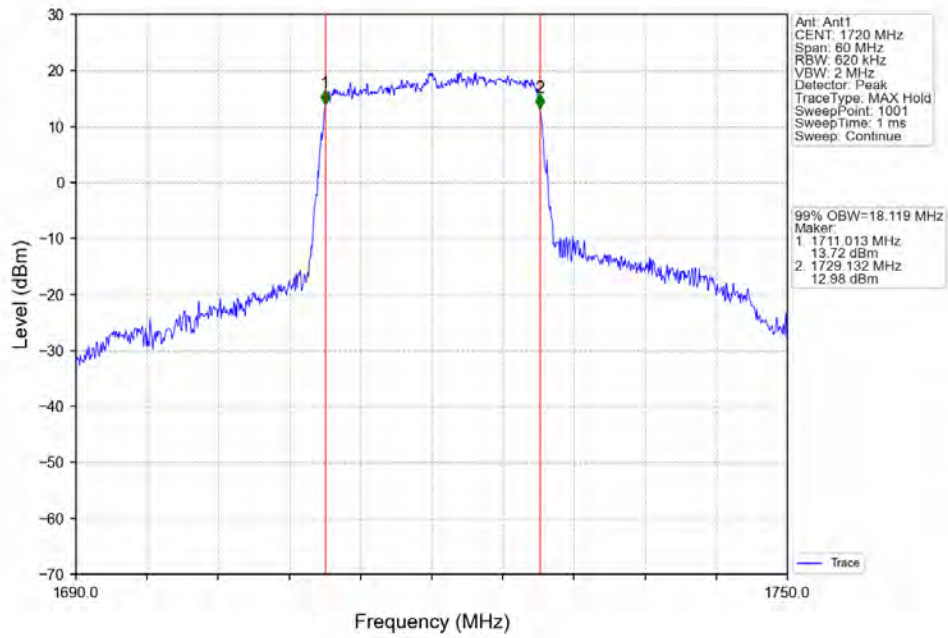
Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



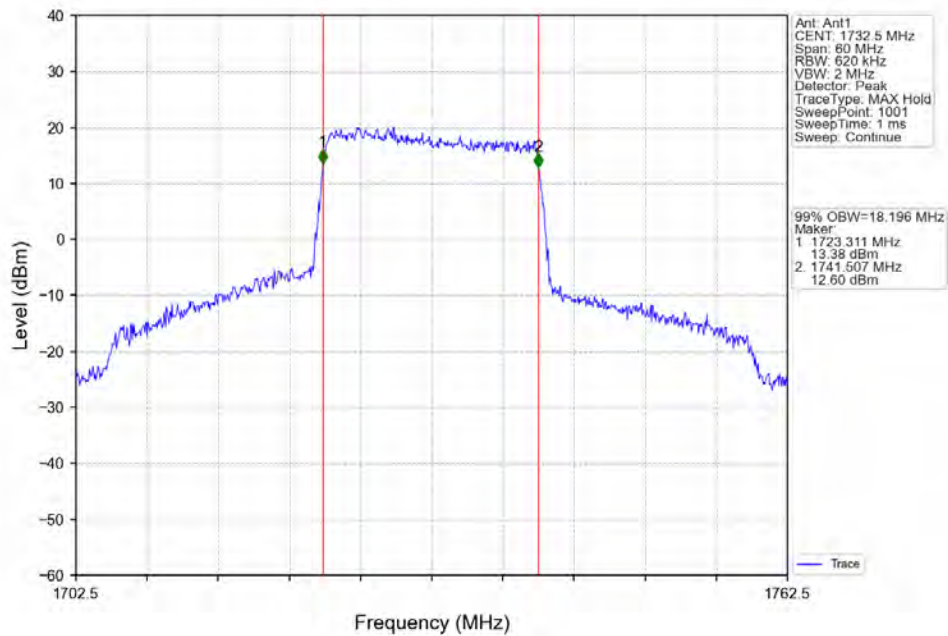
Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV



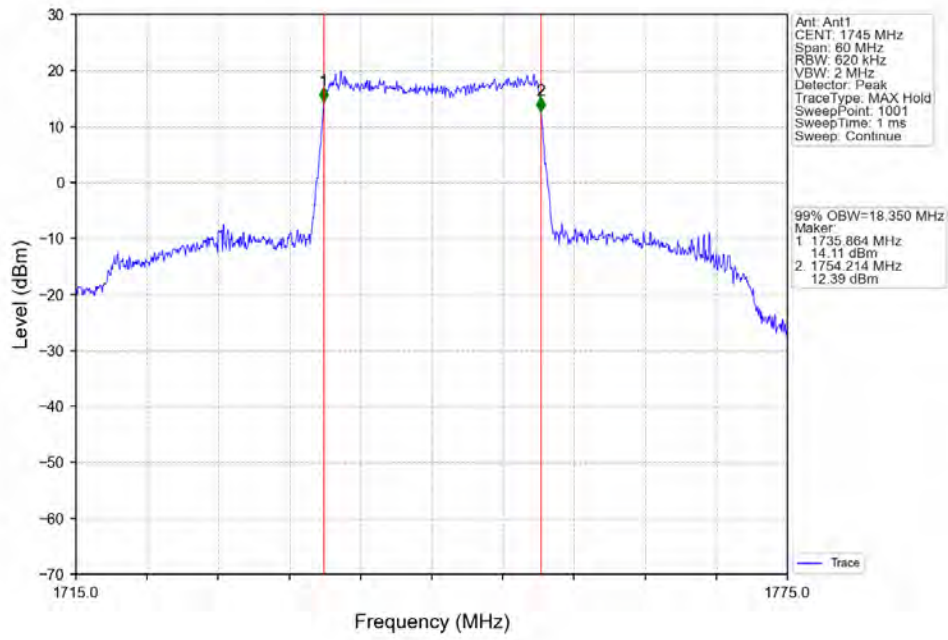
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



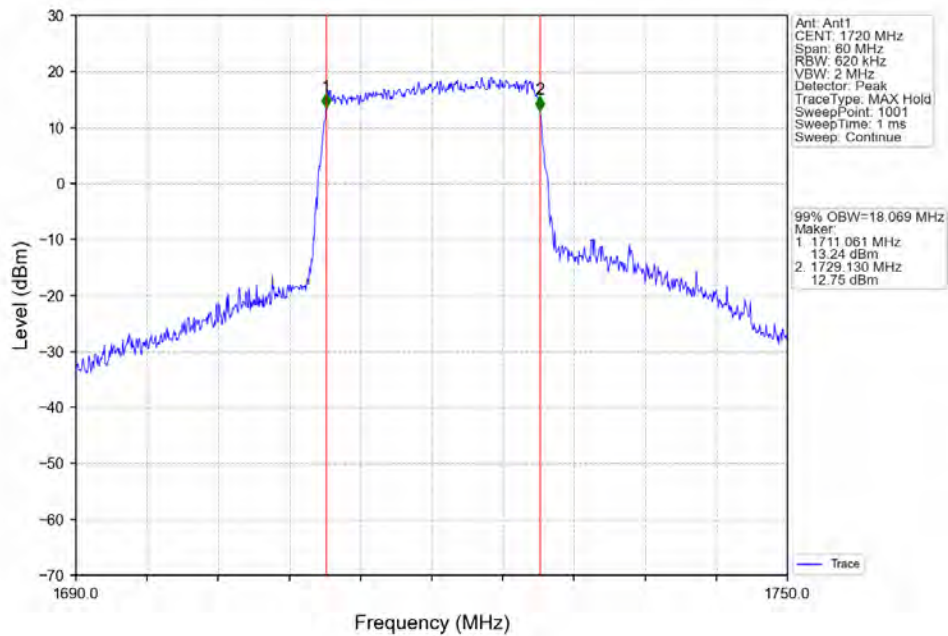
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



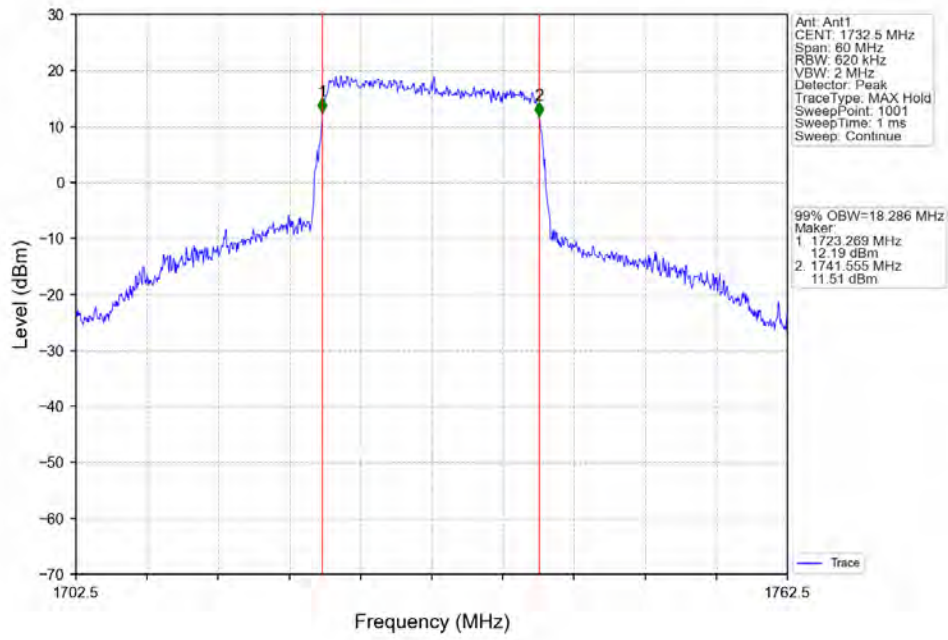
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



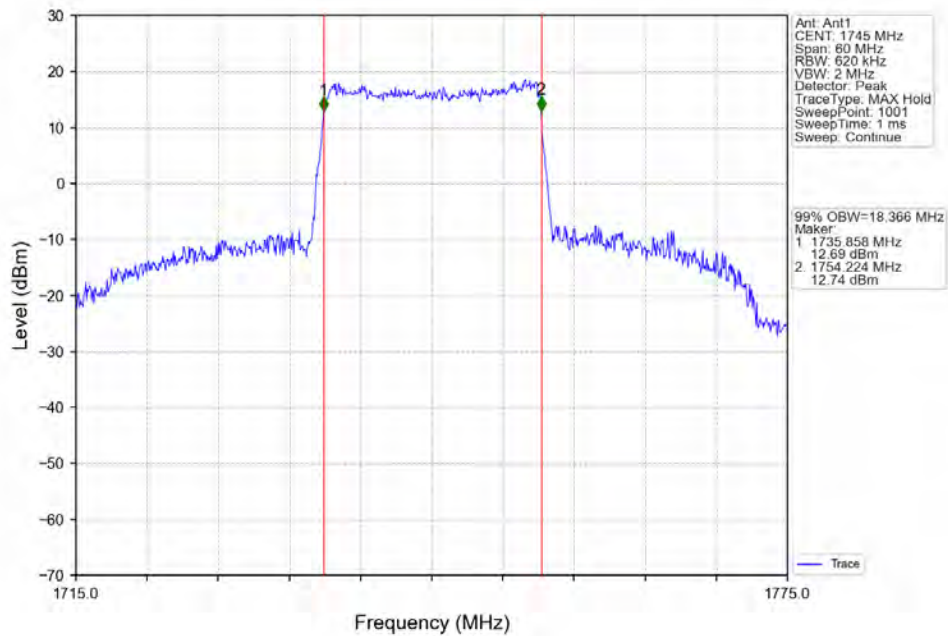
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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

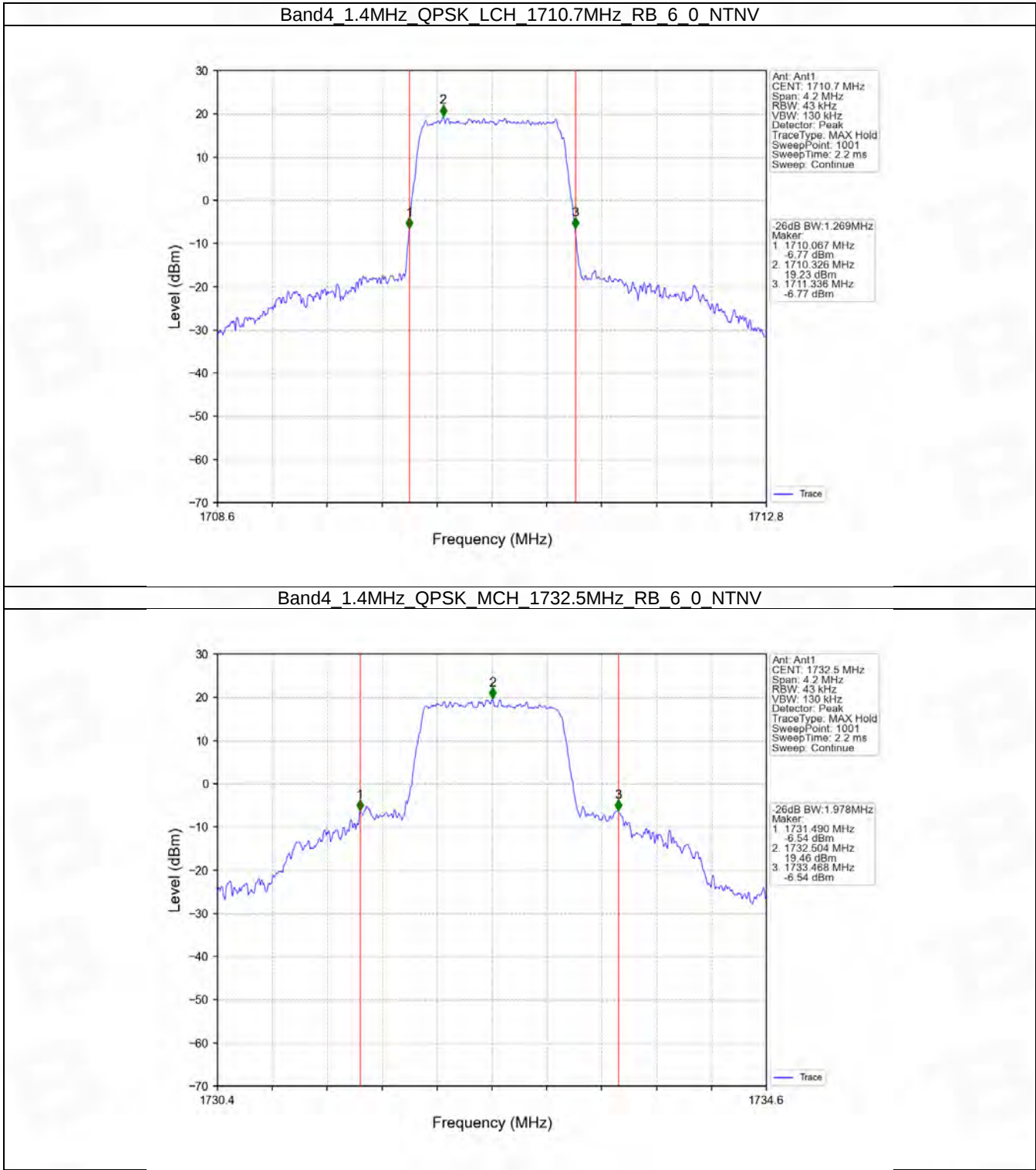


4.2 Band4_XDB

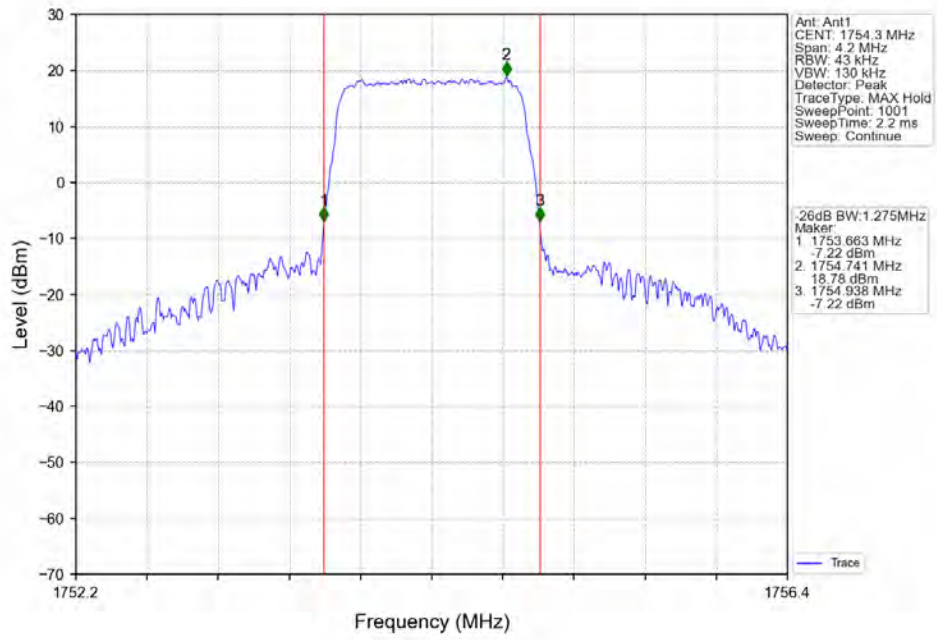
4.2.1 Test Result

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	1.269	/	Pass
		1732.5	6	0	1.978	/	Pass
		1754.3	6	0	1.275	/	Pass
	16QAM	1710.7	6	0	1.278	/	Pass
		1732.5	6	0	1.688	/	Pass
		1754.3	6	0	1.277	/	Pass
3	QPSK	1711.5	15	0	3.093	/	Pass
		1732.5	15	0	3.231	/	Pass
		1753.5	15	0	3.121	/	Pass
	16QAM	1711.5	15	0	3.113	/	Pass
		1732.5	15	0	3.598	/	Pass
		1753.5	15	0	3.089	/	Pass
5	QPSK	1712.5	25	0	5.060	/	Pass
		1732.5	25	0	5.904	/	Pass
		1752.5	25	0	5.063	/	Pass
	16QAM	1712.5	25	0	5.063	/	Pass
		1732.5	25	0	6.227	/	Pass
		1752.5	25	0	5.069	/	Pass
10	QPSK	1715	50	0	10.053	/	Pass
		1732.5	50	0	11.350	/	Pass
		1750	50	0	10.044	/	Pass
	16QAM	1715	50	0	10.035	/	Pass
		1732.5	50	0	12.575	/	Pass
		1750	50	0	10.073	/	Pass
15	QPSK	1717.5	75	0	15.243	/	Pass
		1732.5	75	0	17.351	/	Pass
		1747.5	75	0	15.185	/	Pass
	16QAM	1717.5	75	0	15.167	/	Pass
		1732.5	75	0	17.157	/	Pass
		1747.5	75	0	15.225	/	Pass
20	QPSK	1720	100	0	20.030	/	Pass
		1732.5	100	0	23.164	/	Pass
		1745	100	0	19.997	/	Pass
	16QAM	1720	100	0	20.008	/	Pass
		1732.5	100	0	22.086	/	Pass
		1745	100	0	20.124	/	Pass

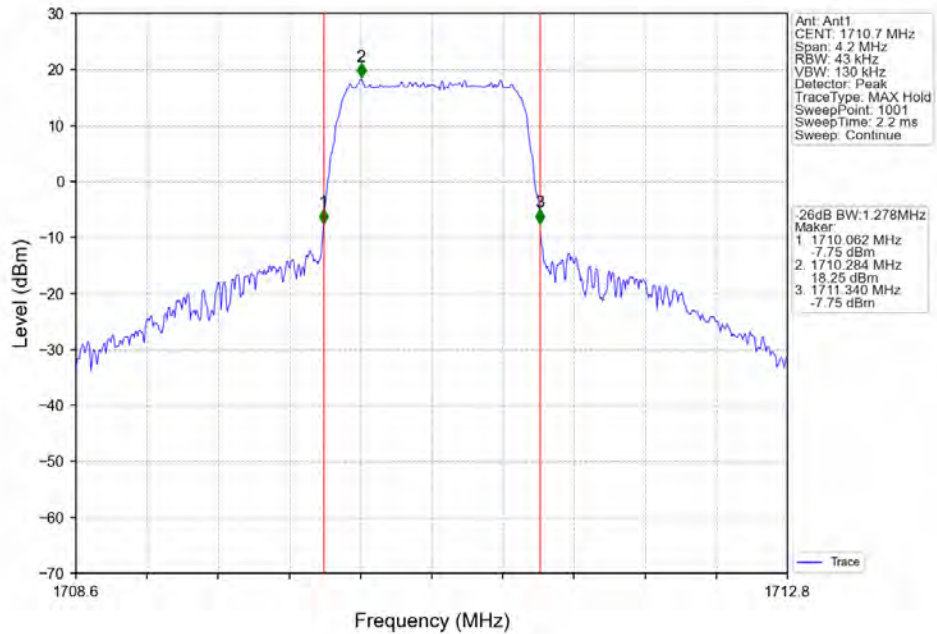
4.2.2 Test Graph



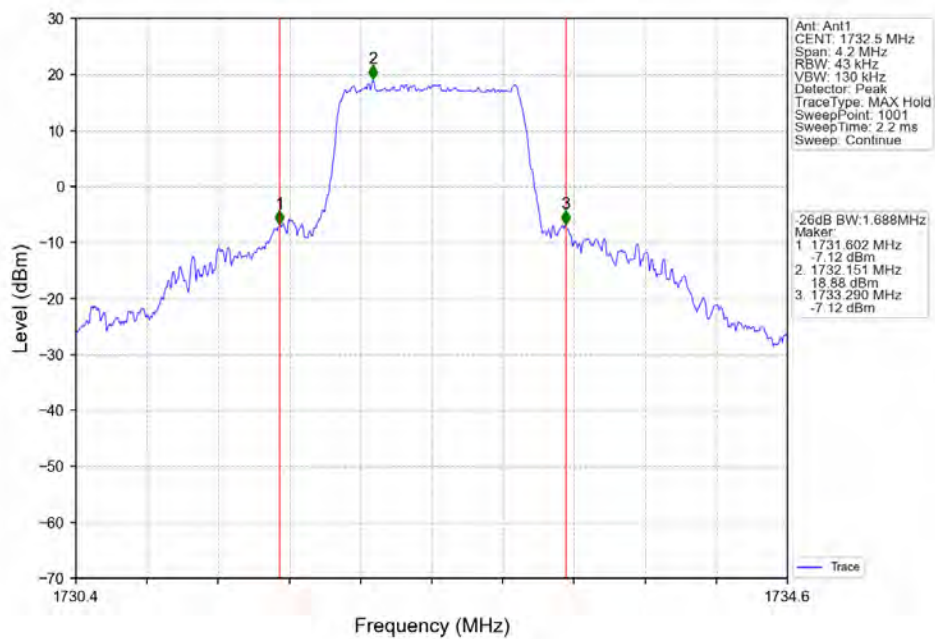
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



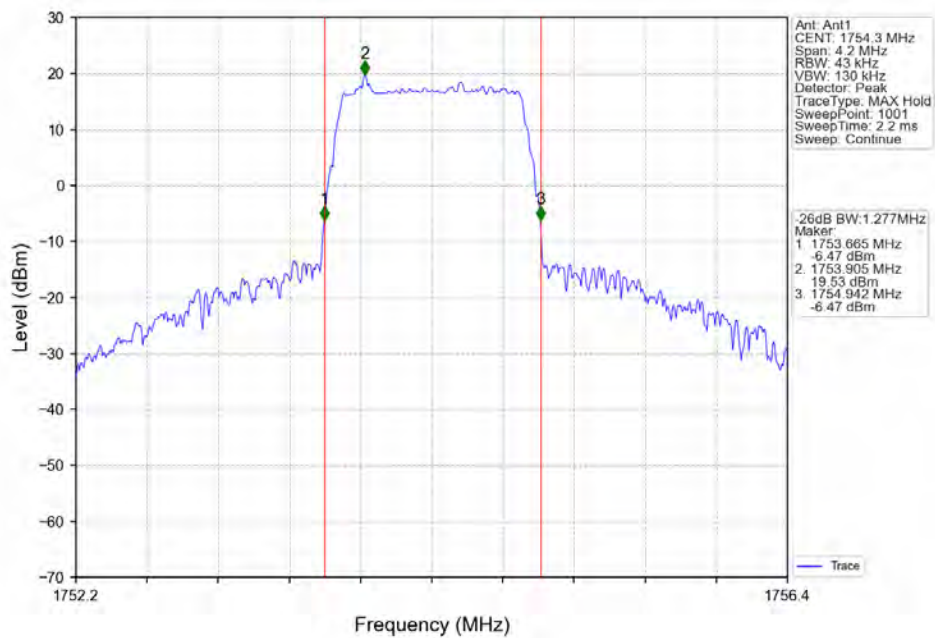
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



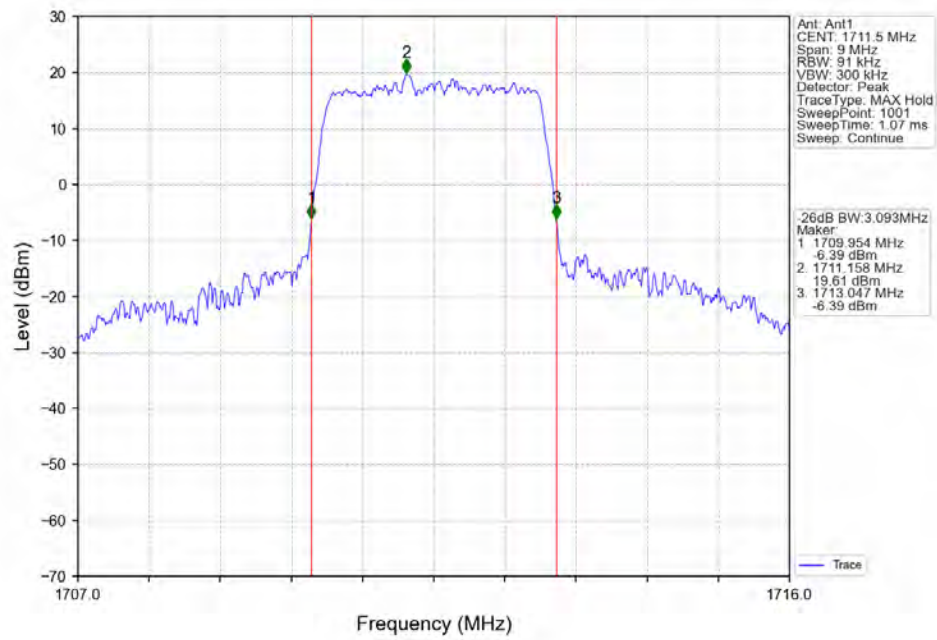
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



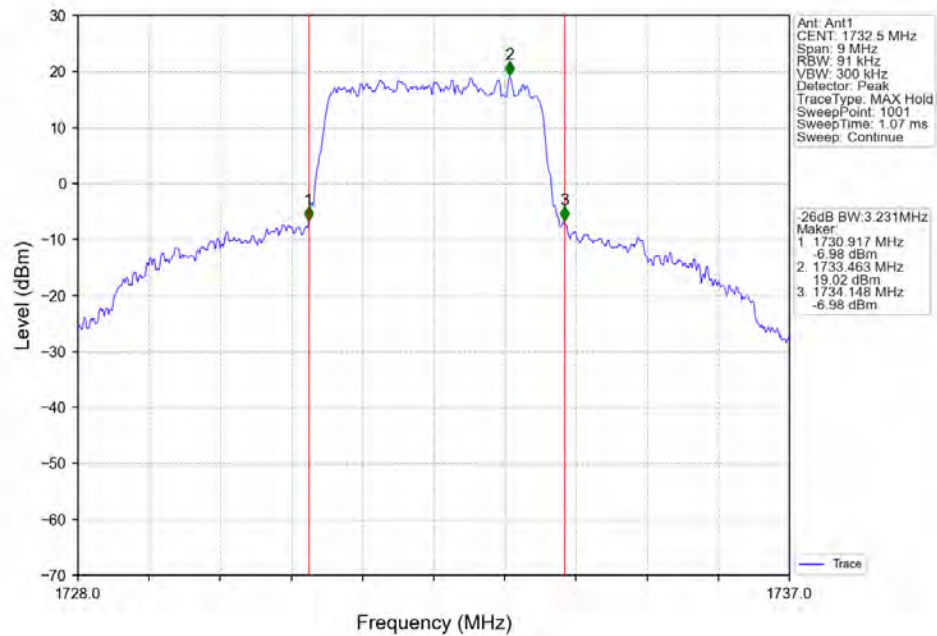
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



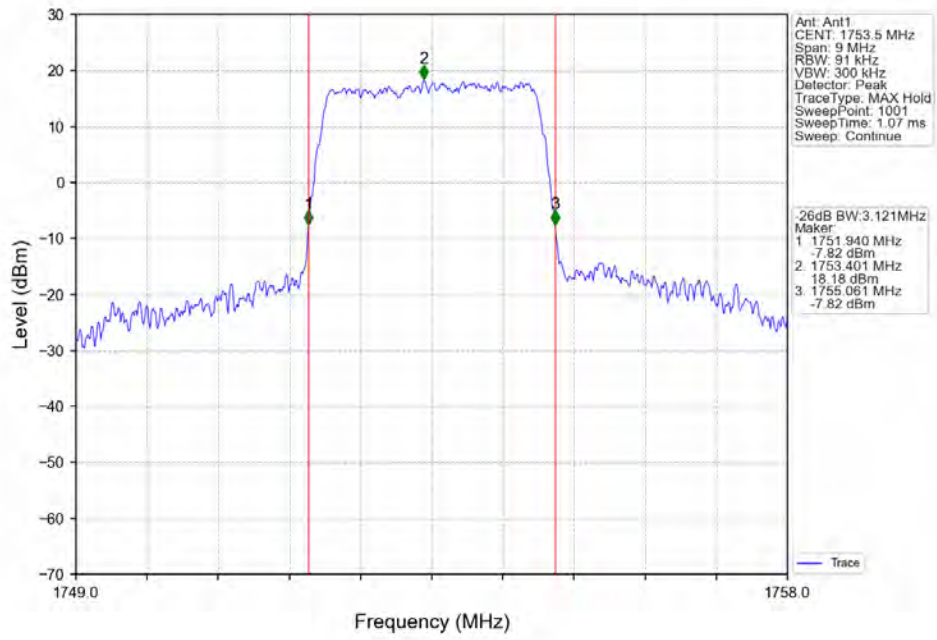
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



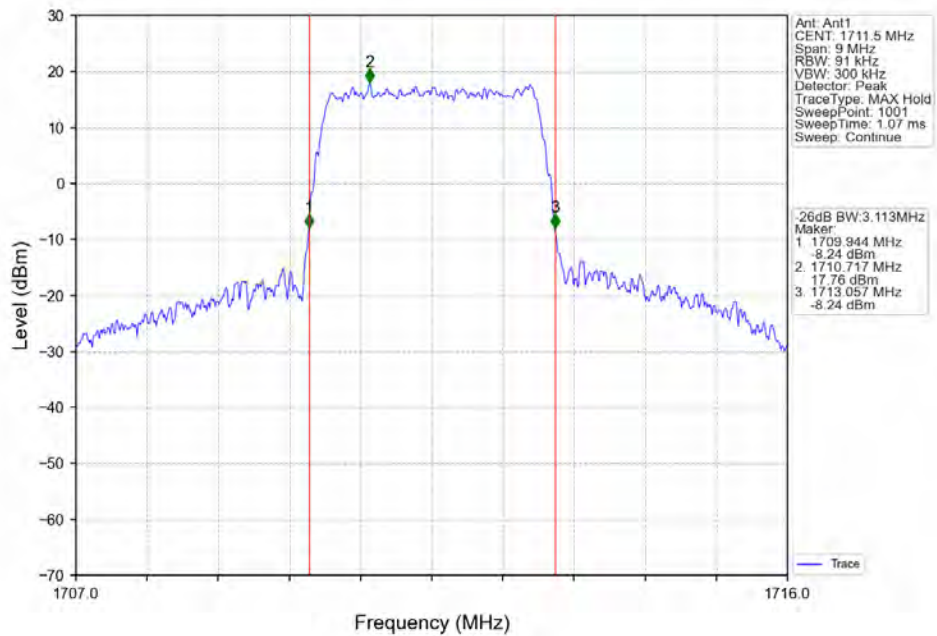
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



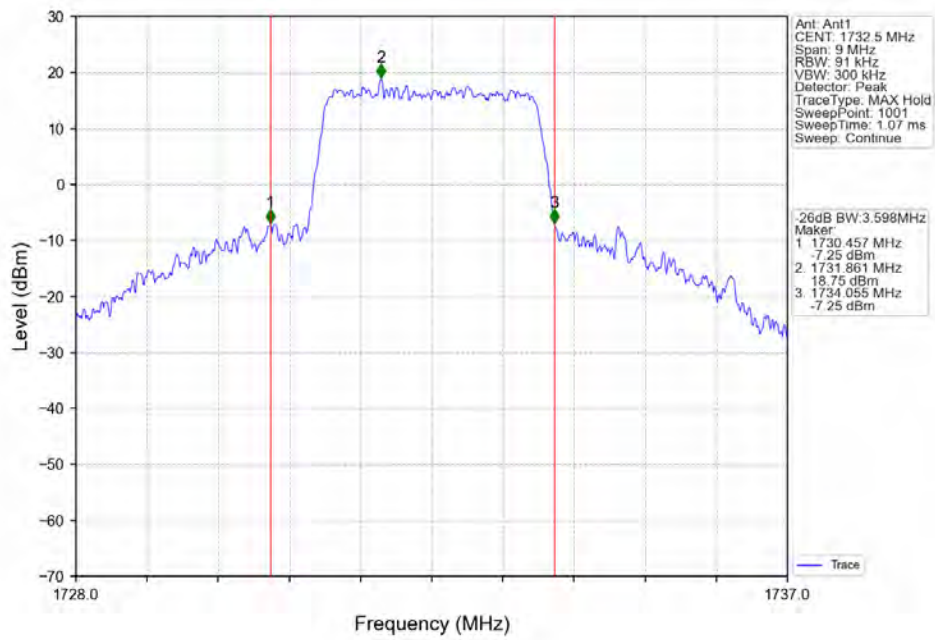
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTN



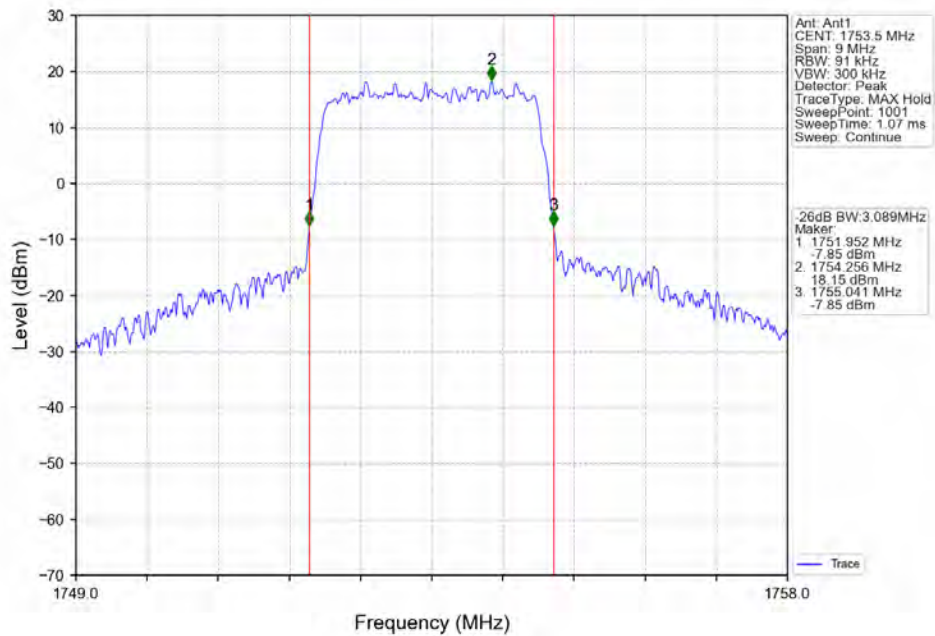
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTN



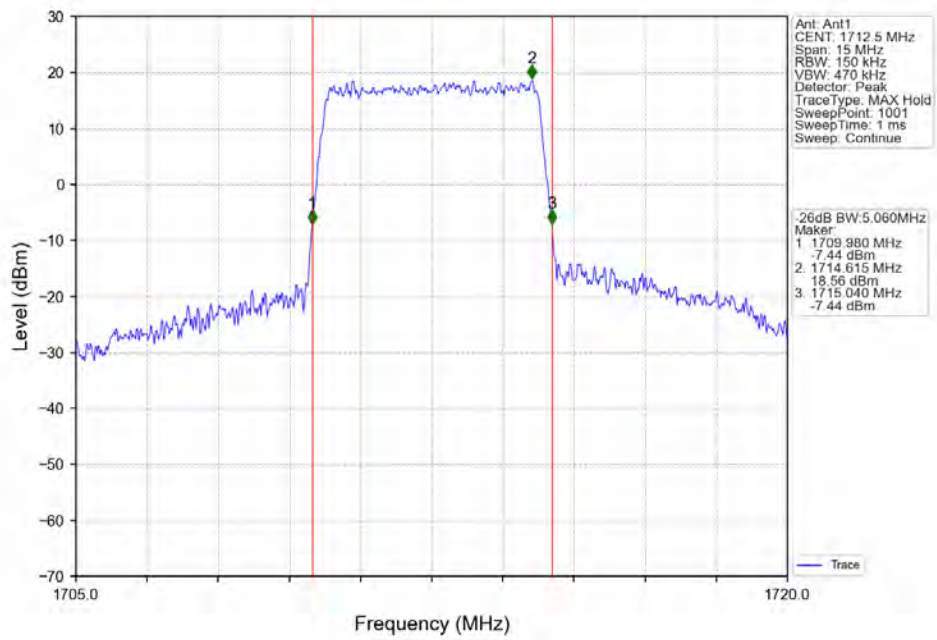
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



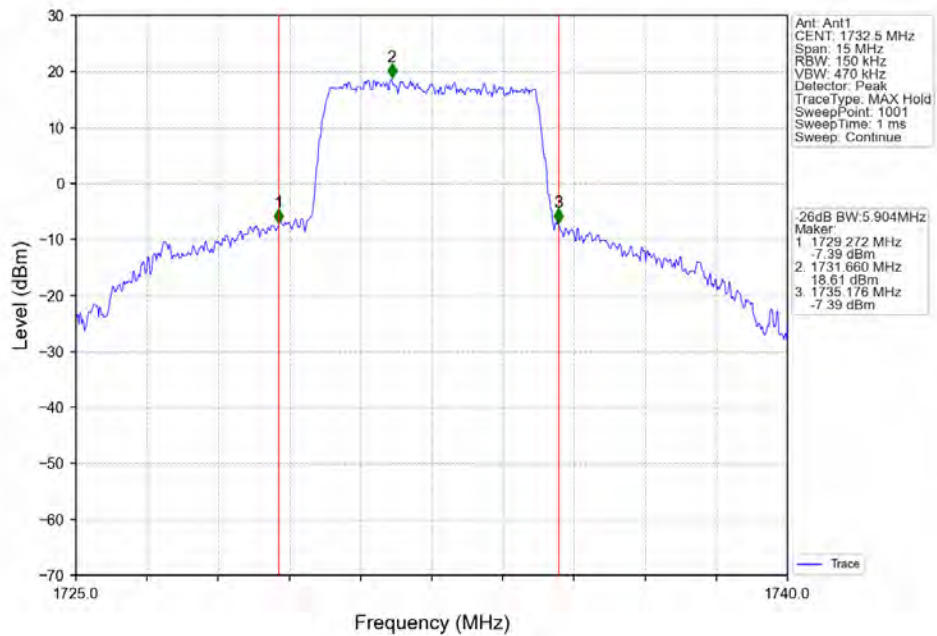
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



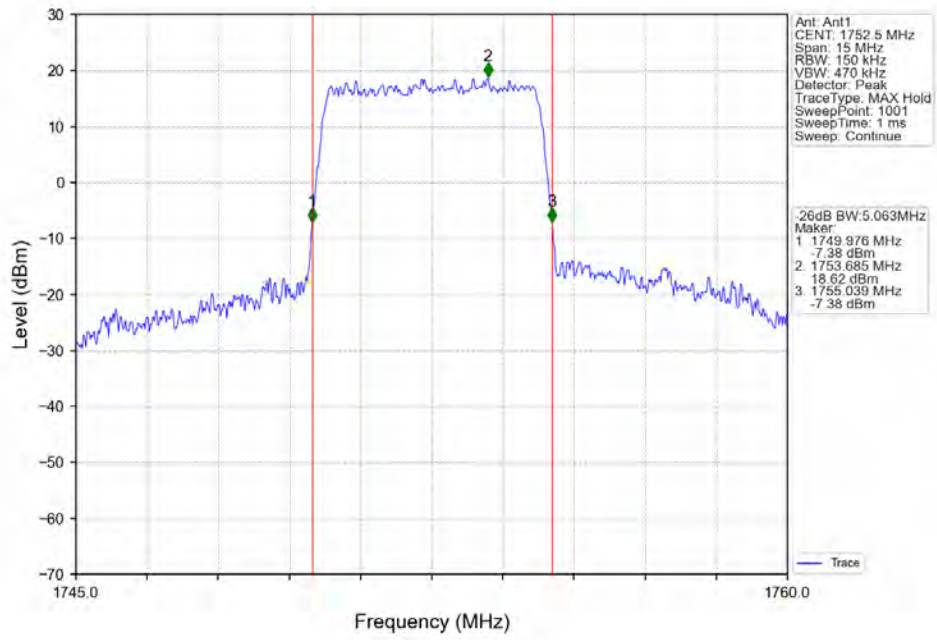
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



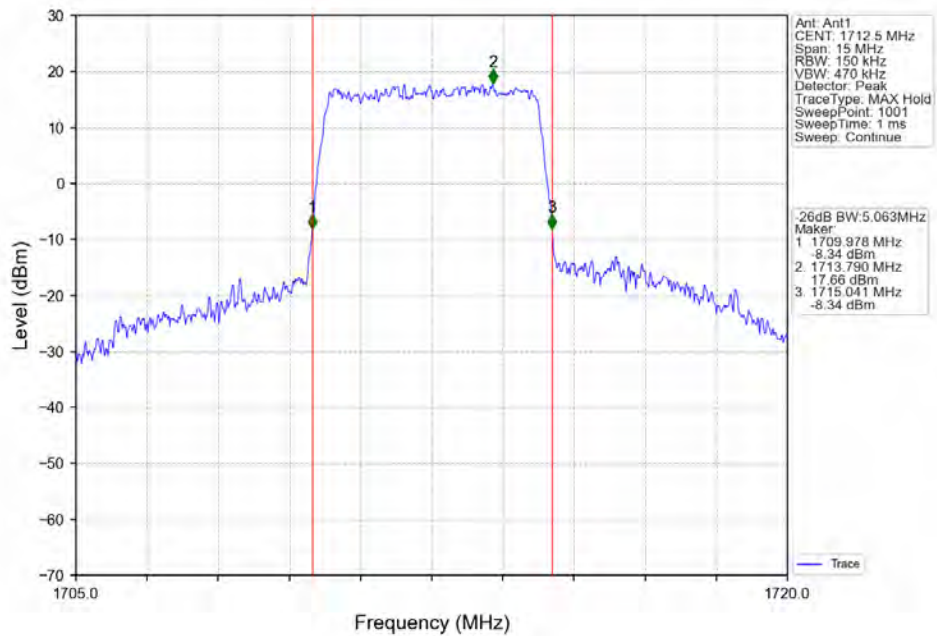
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



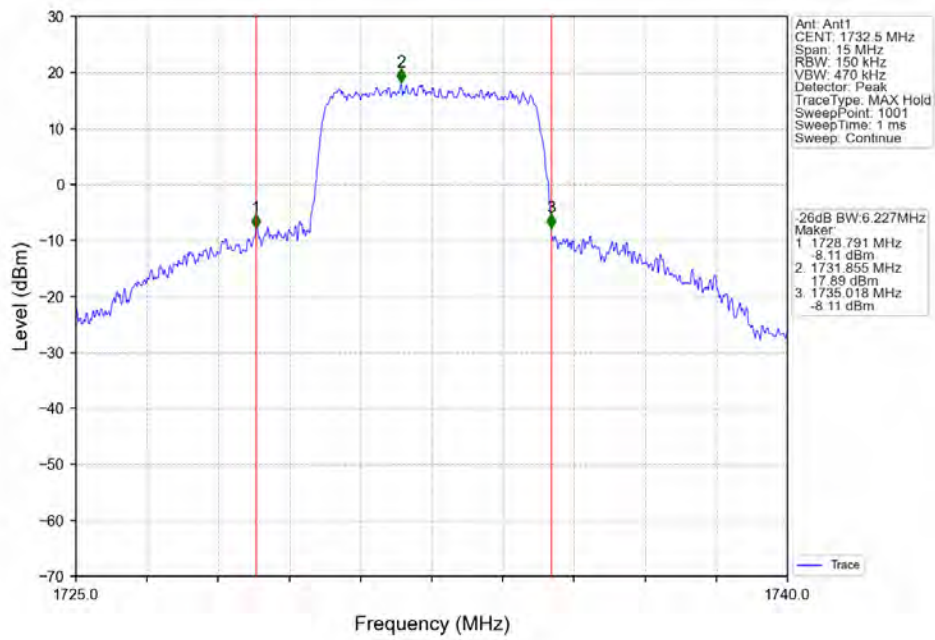
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



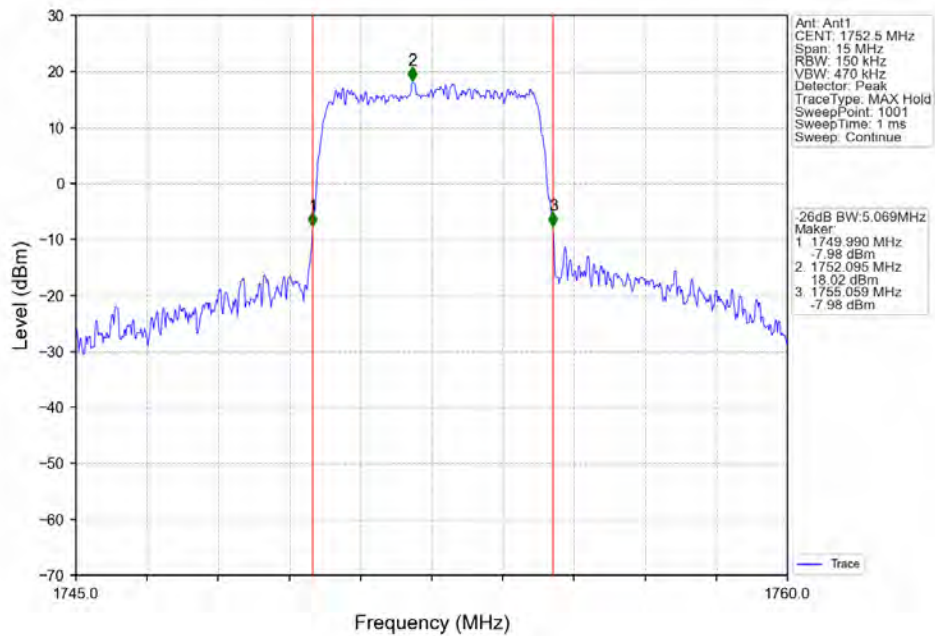
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



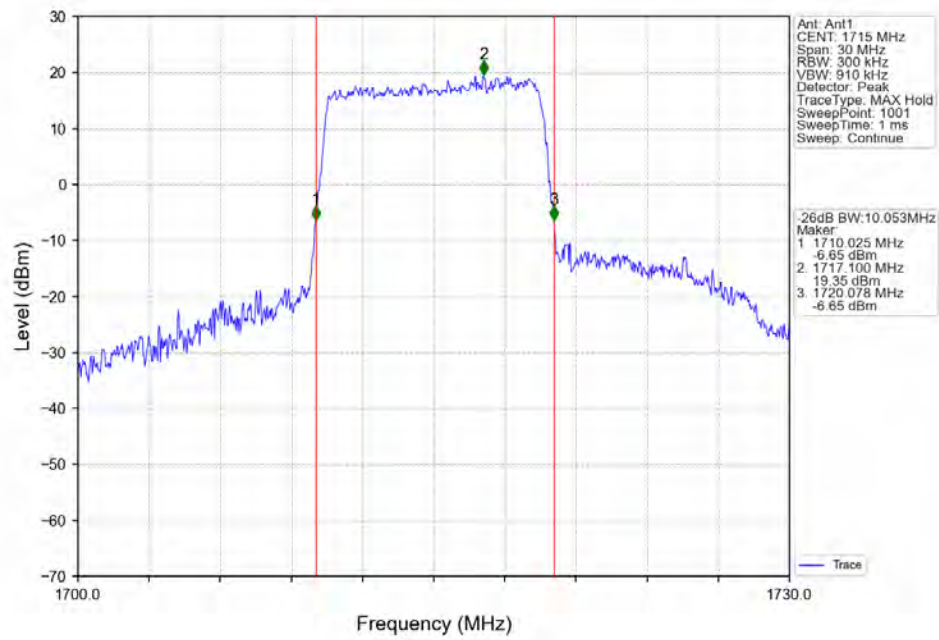
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



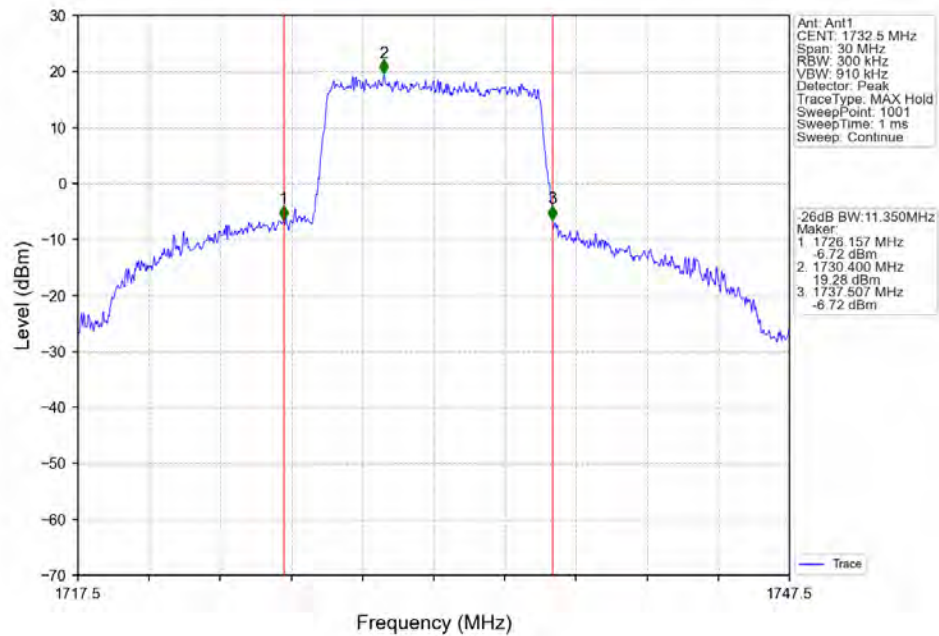
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



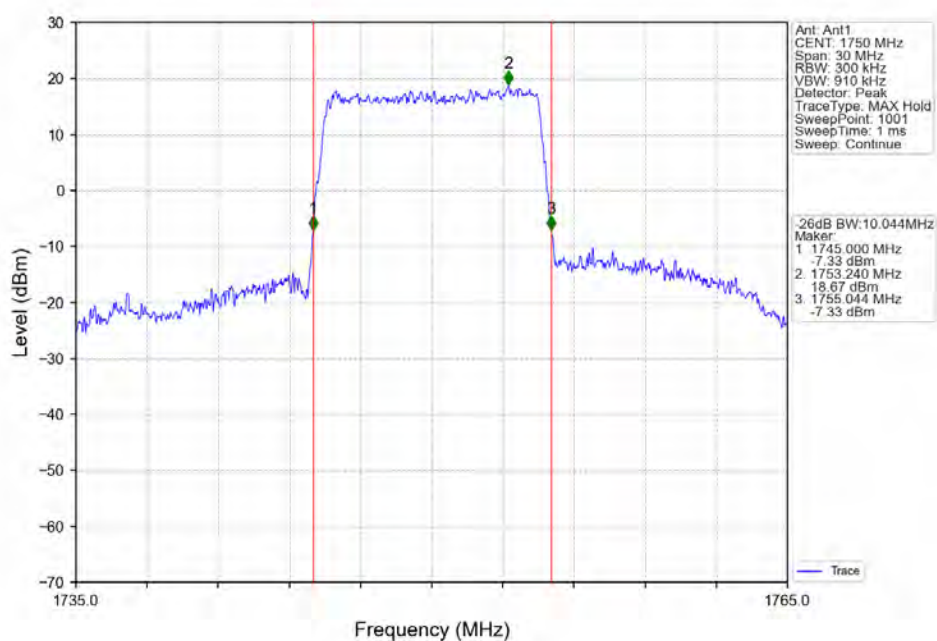
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



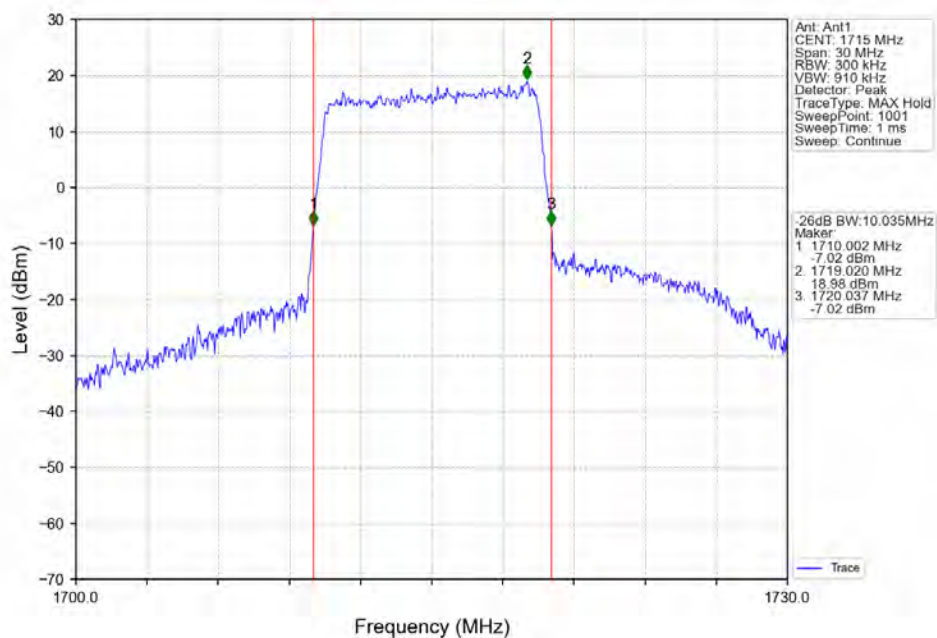
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



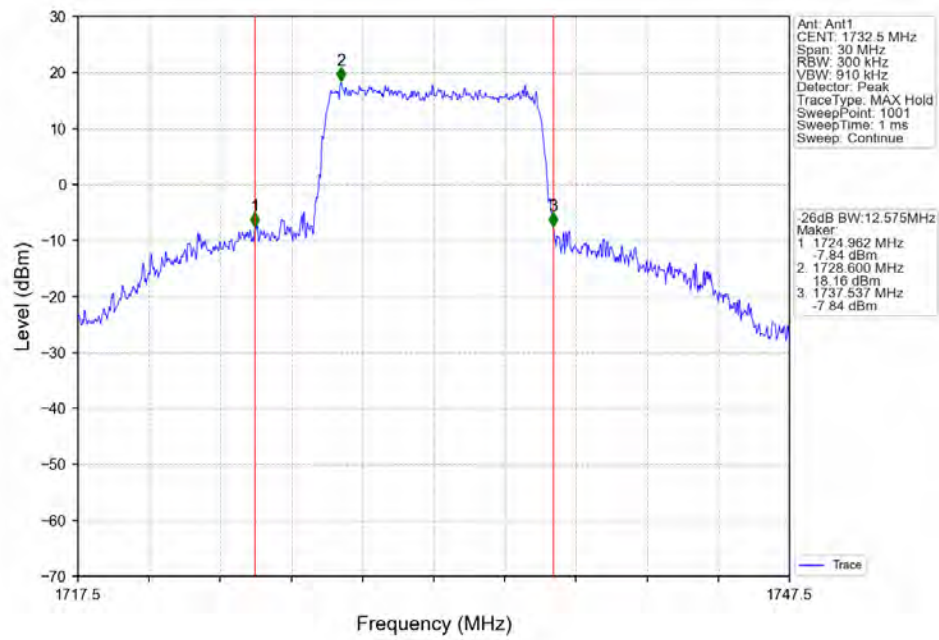
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



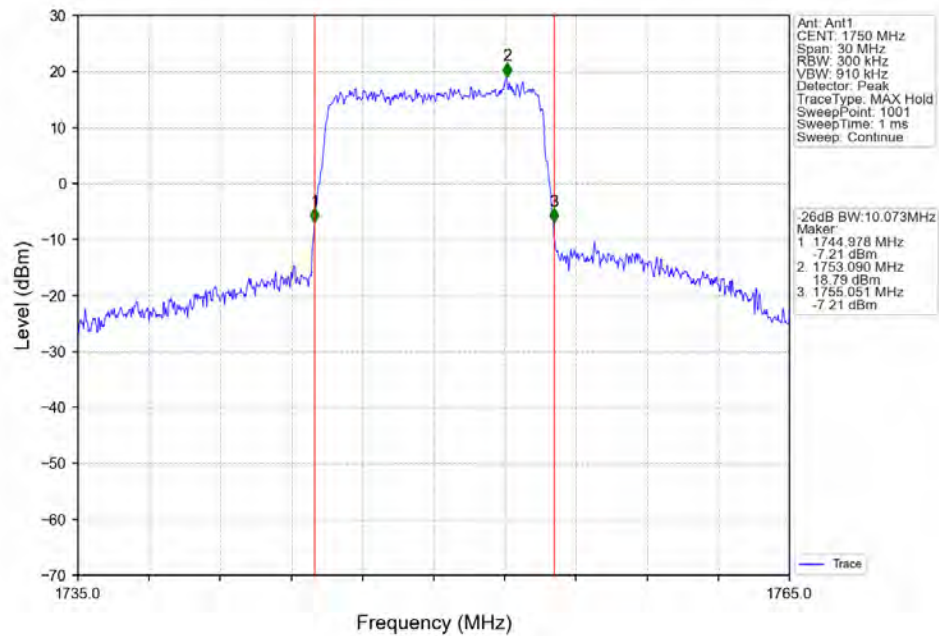
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



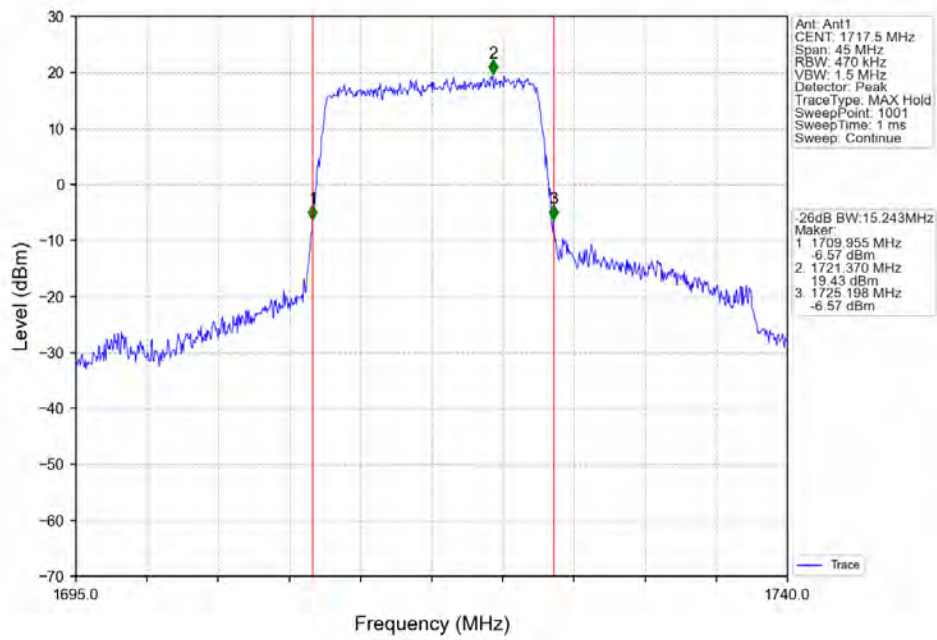
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



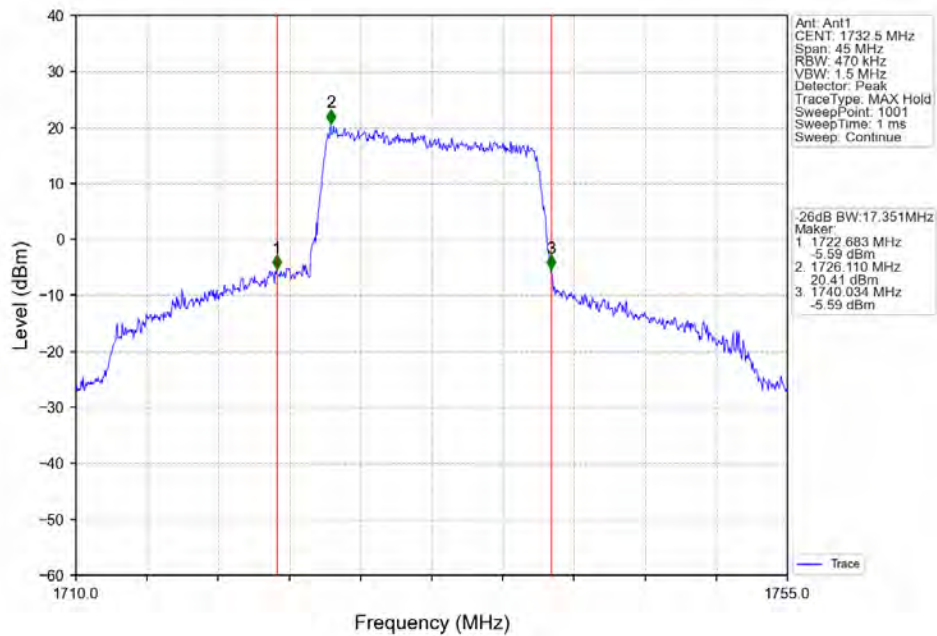
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



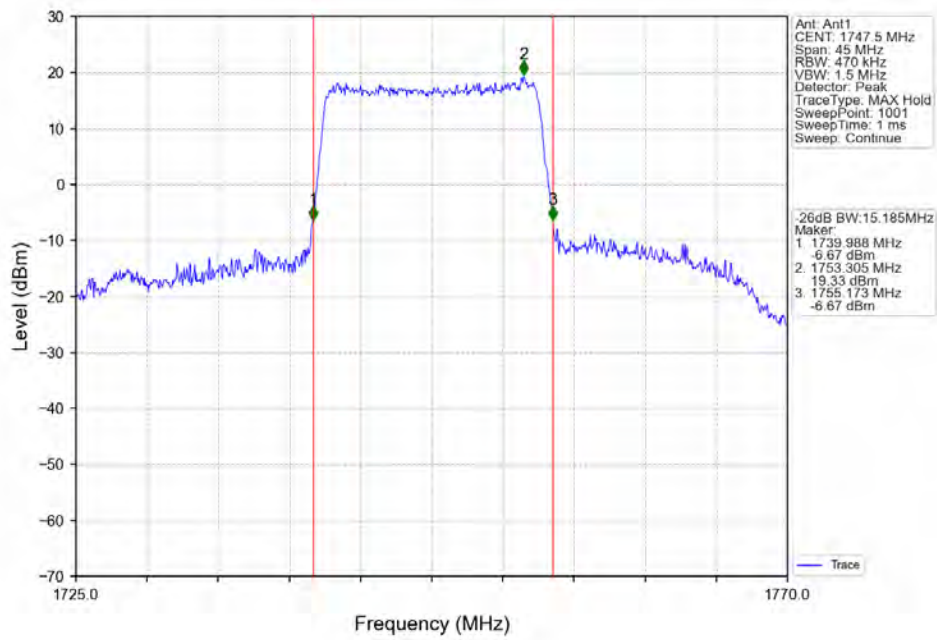
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



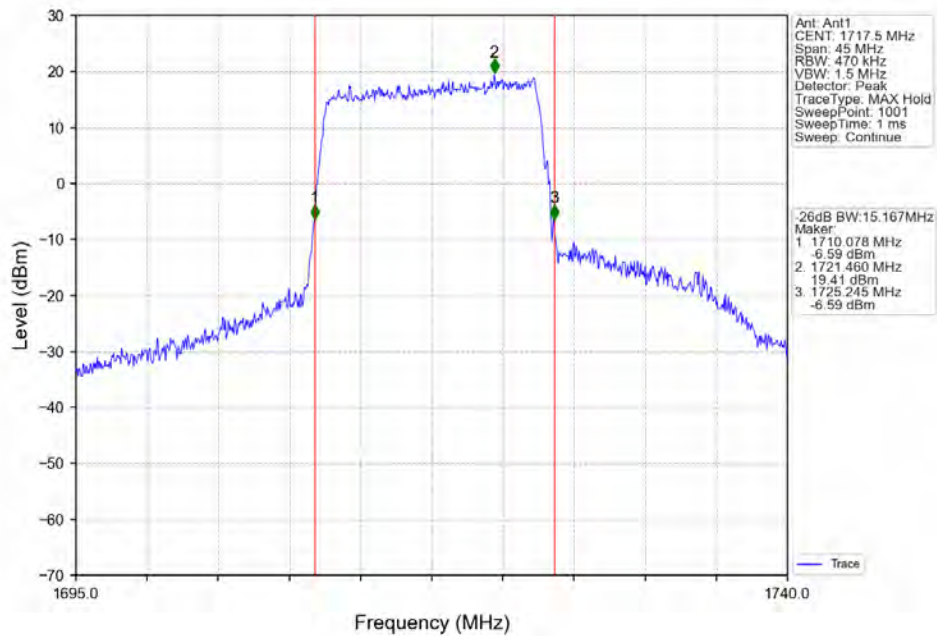
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



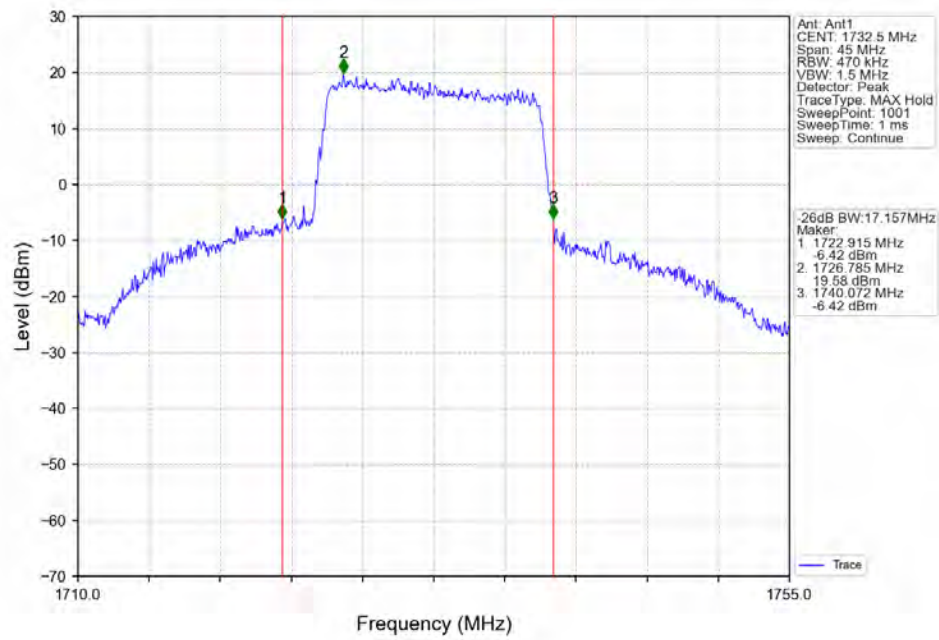
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



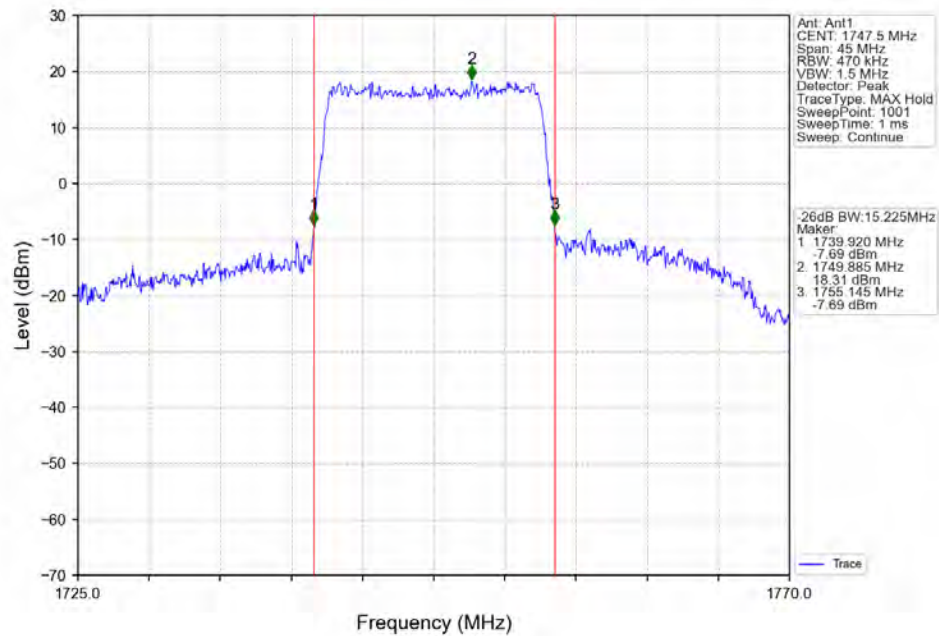
Band4_15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



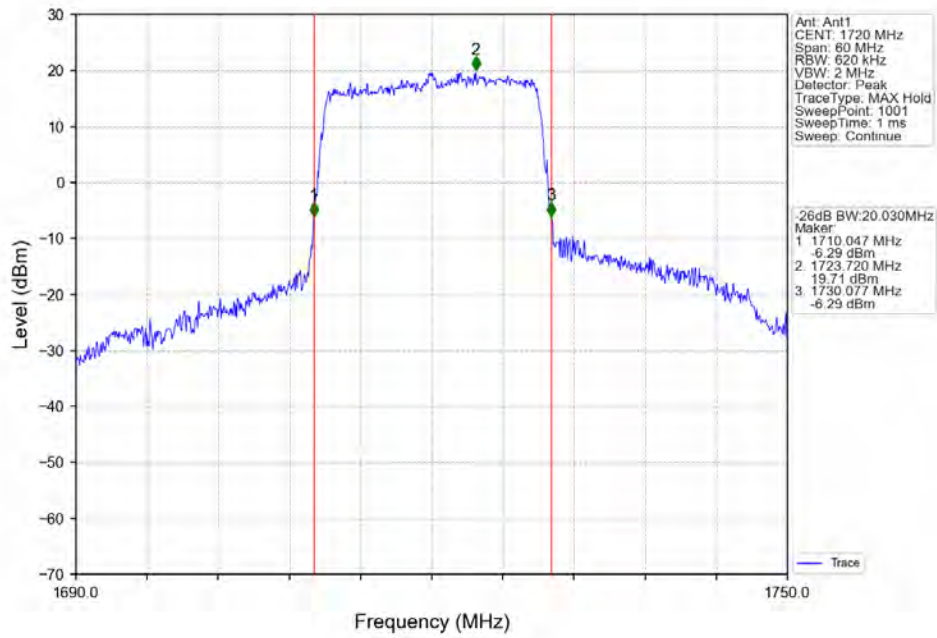
Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



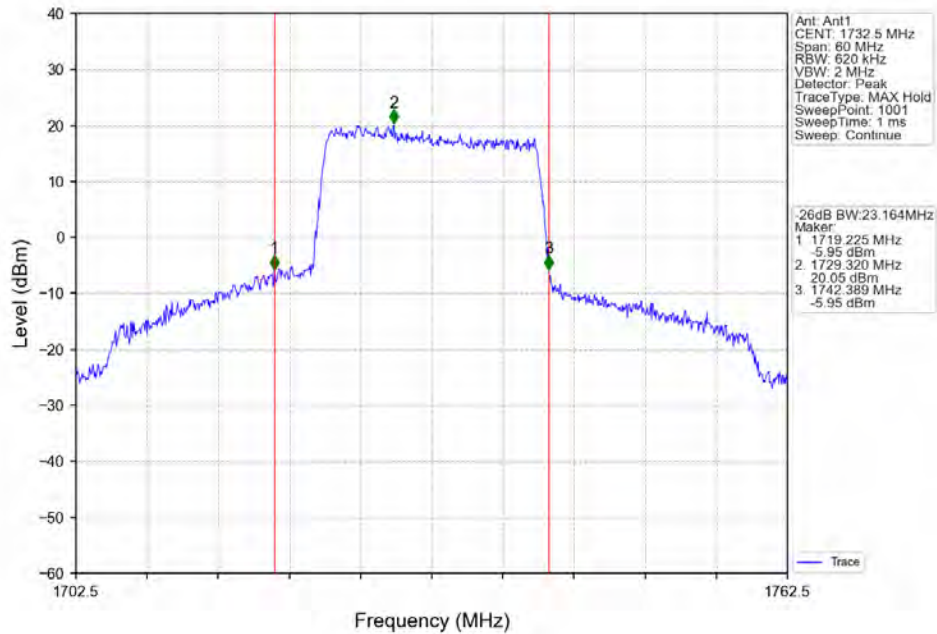
Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV



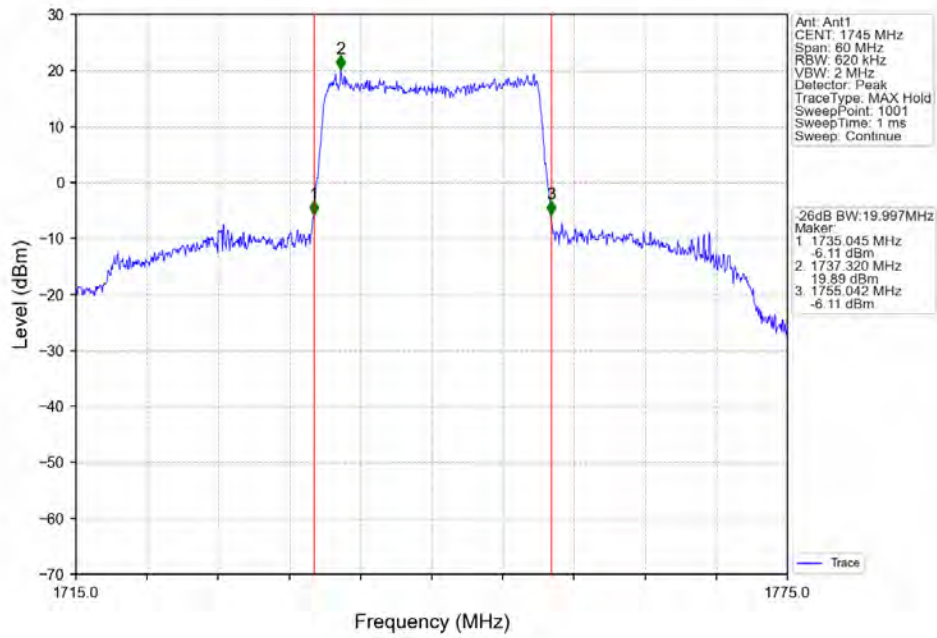
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



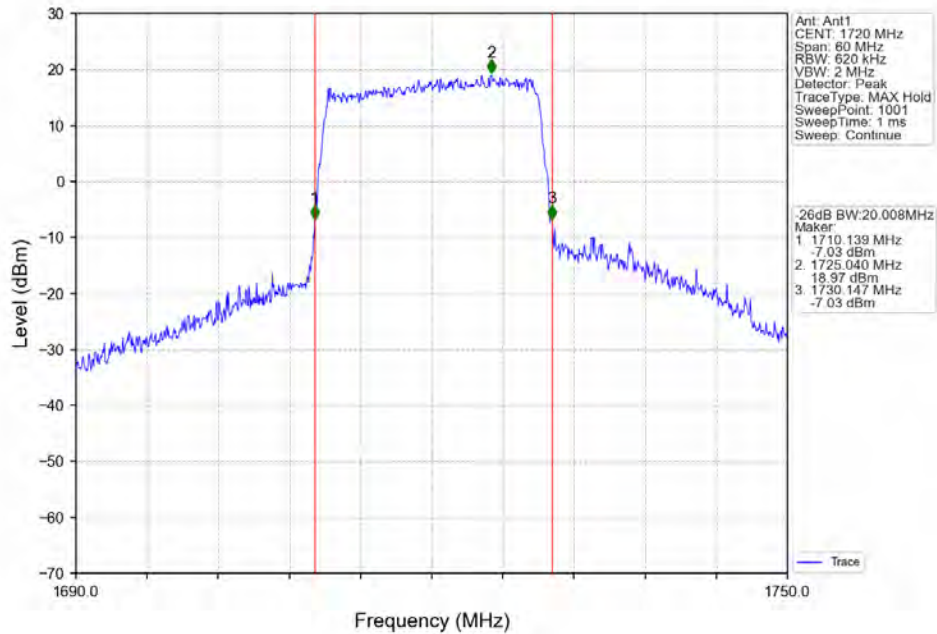
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



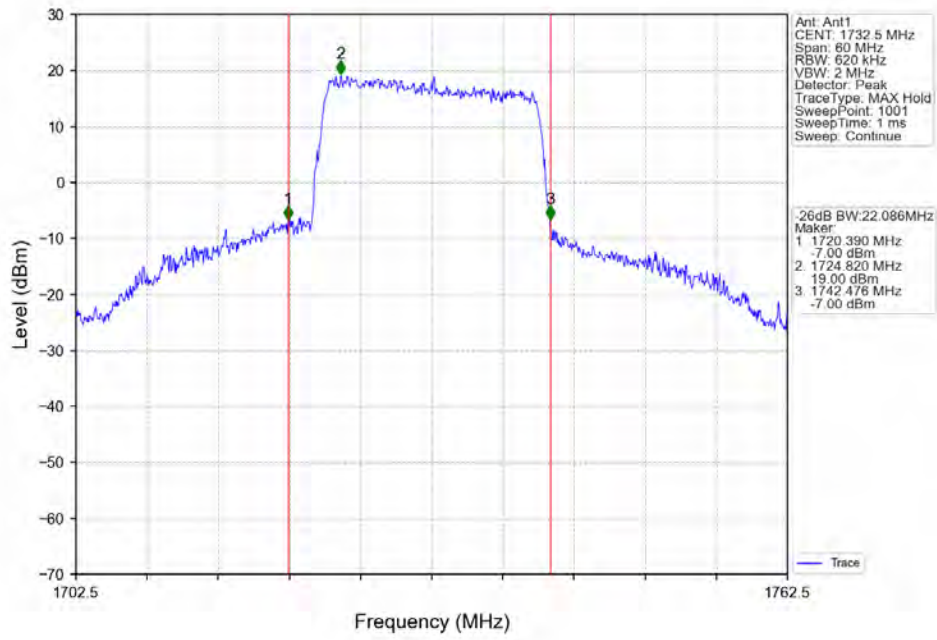
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



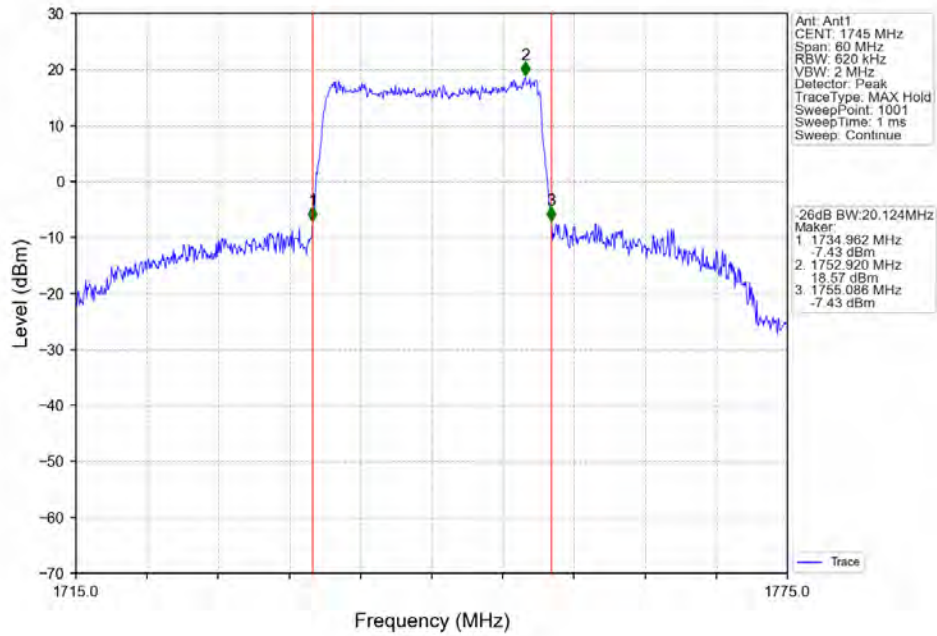
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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



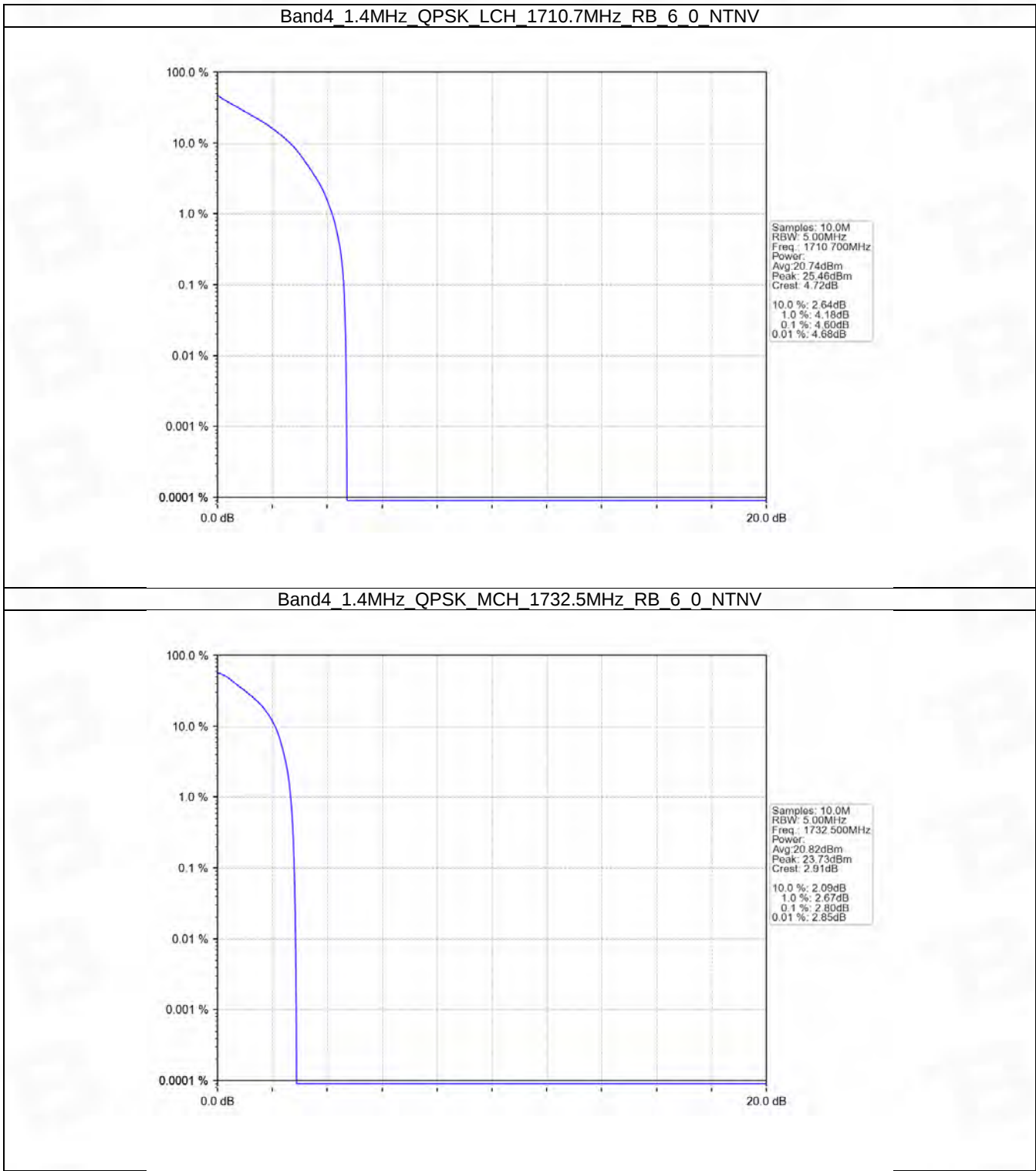
5. Peak-Average Ratio

5.1 B4_1.4MHz

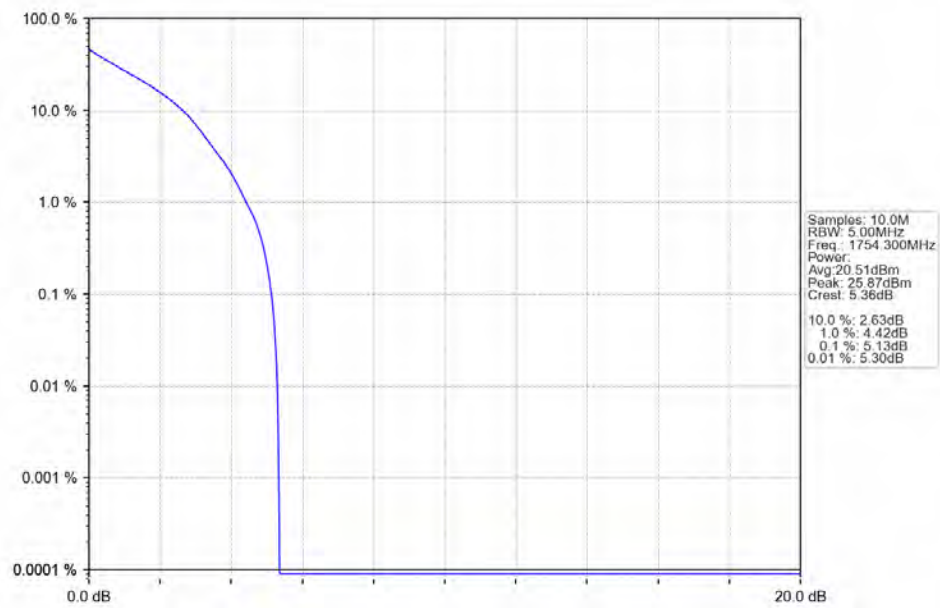
5.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	4.60	<=13	Pass
	1732.5	6	0	2.80	<=13	Pass
	1754.3	6	0	5.13	<=13	Pass
16QAM	1710.7	6	0	5.36	<=13	Pass
	1732.5	6	0	3.50	<=13	Pass
	1754.3	6	0	5.84	<=13	Pass

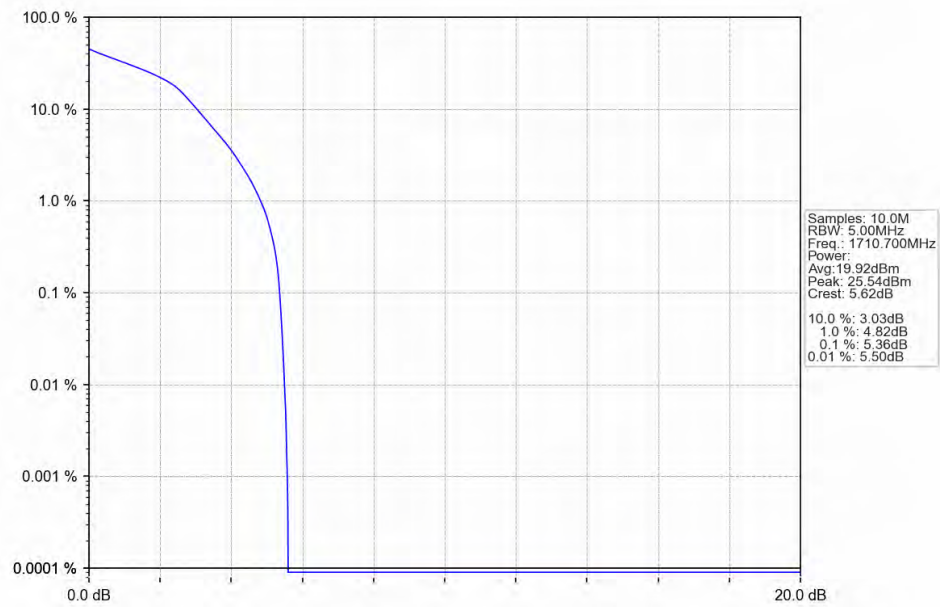
5.1.2 Test Graph



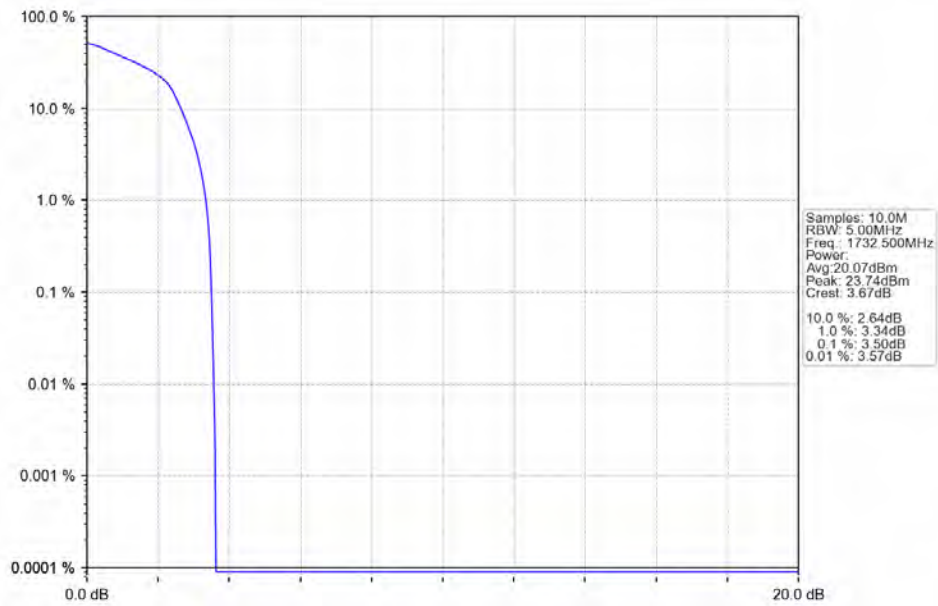
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



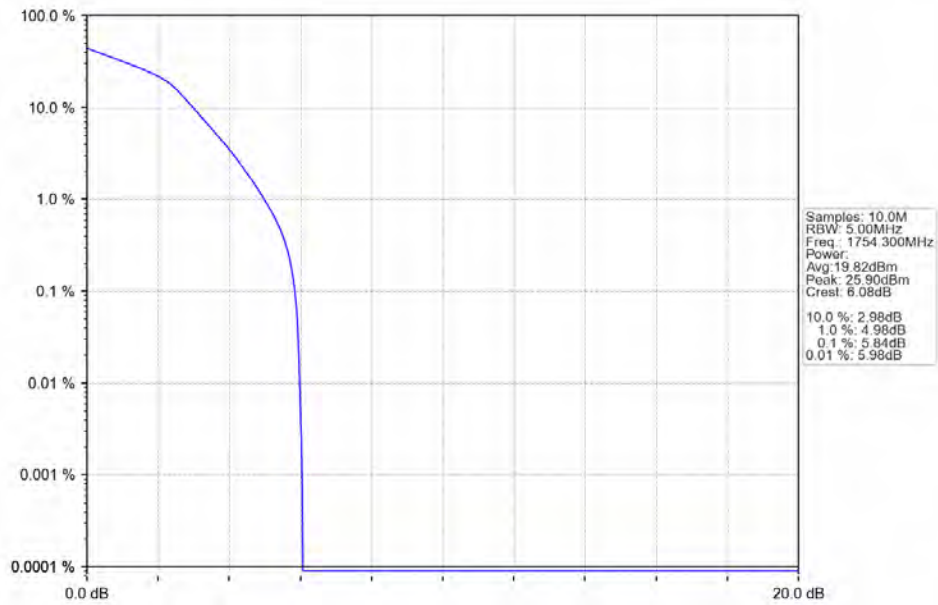
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



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



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

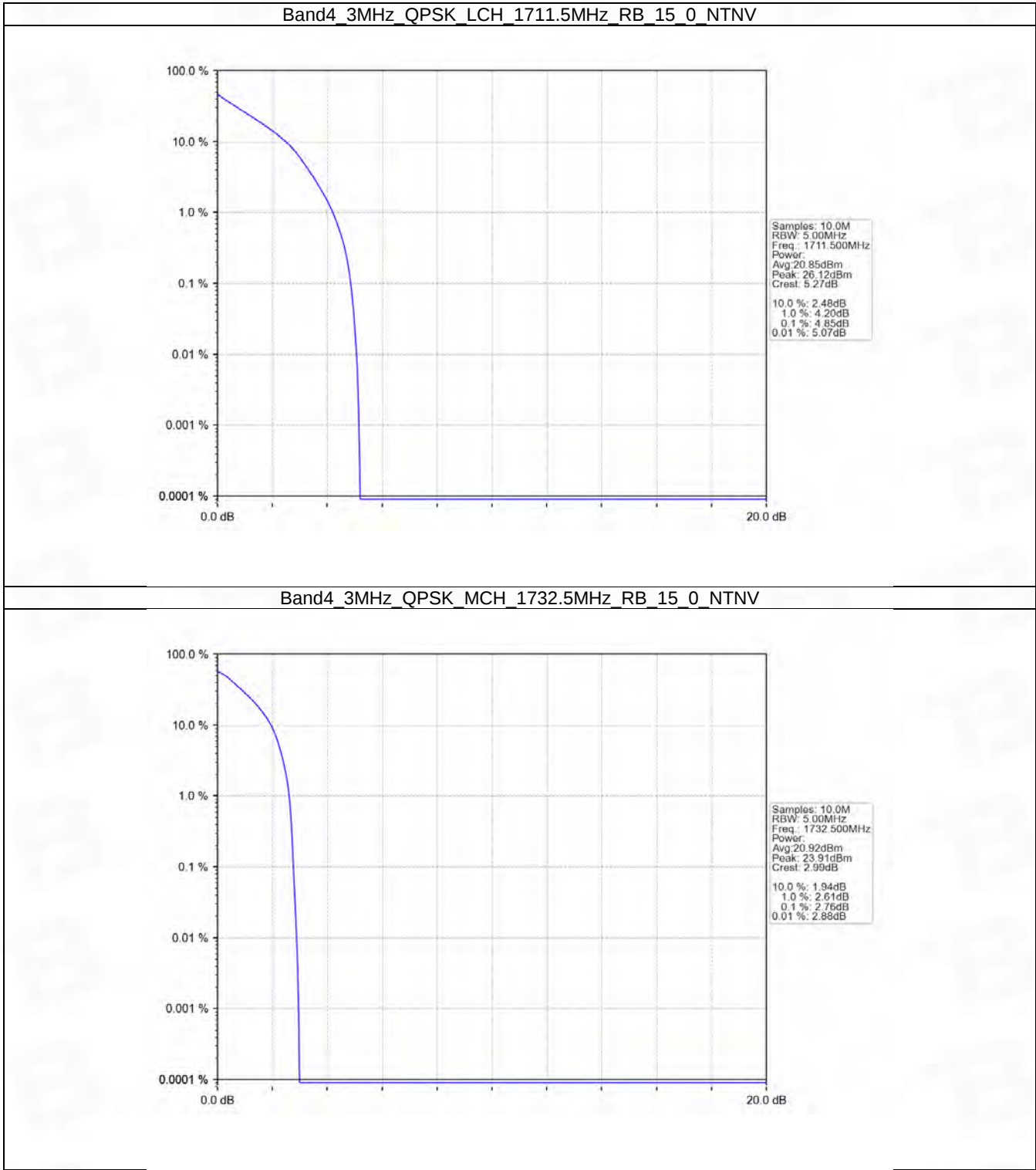


5.2 B4_3MHz

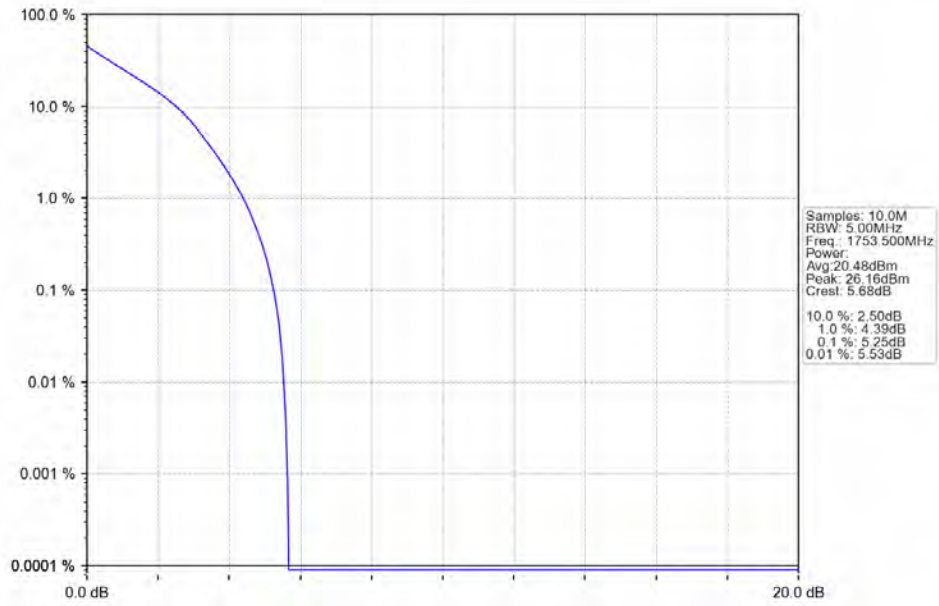
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.85	<=13	Pass
	1732.5	15	0	2.76	<=13	Pass
	1753.5	15	0	5.25	<=13	Pass
16QAM	1711.5	15	0	5.65	<=13	Pass
	1732.5	15	0	3.53	<=13	Pass
	1753.5	15	0	5.98	<=13	Pass

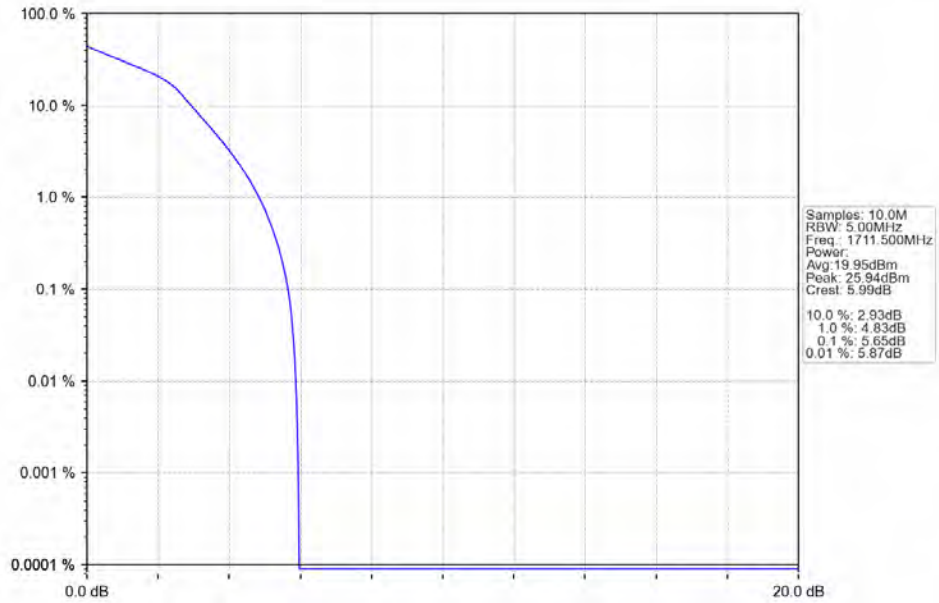
5.2.2 Test Graph



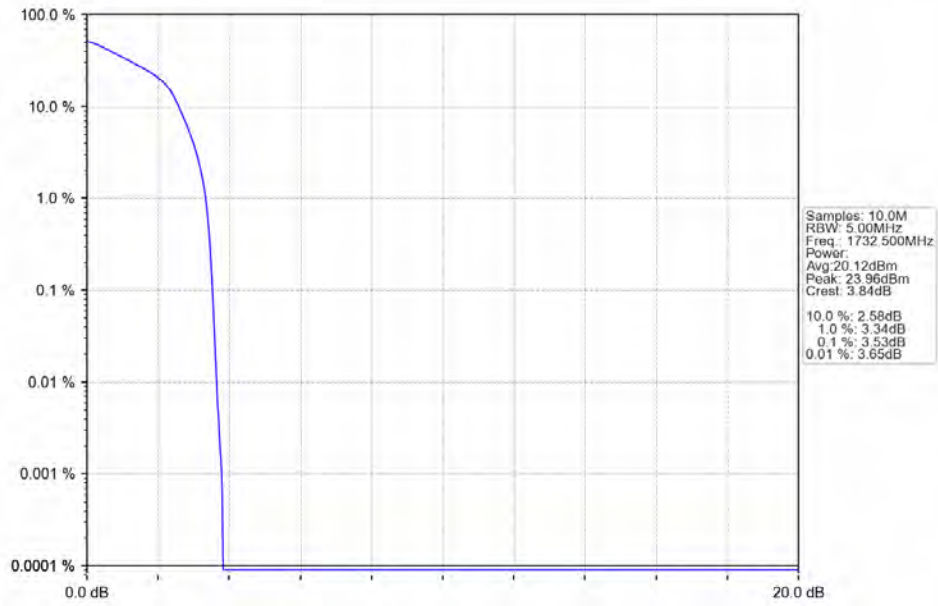
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



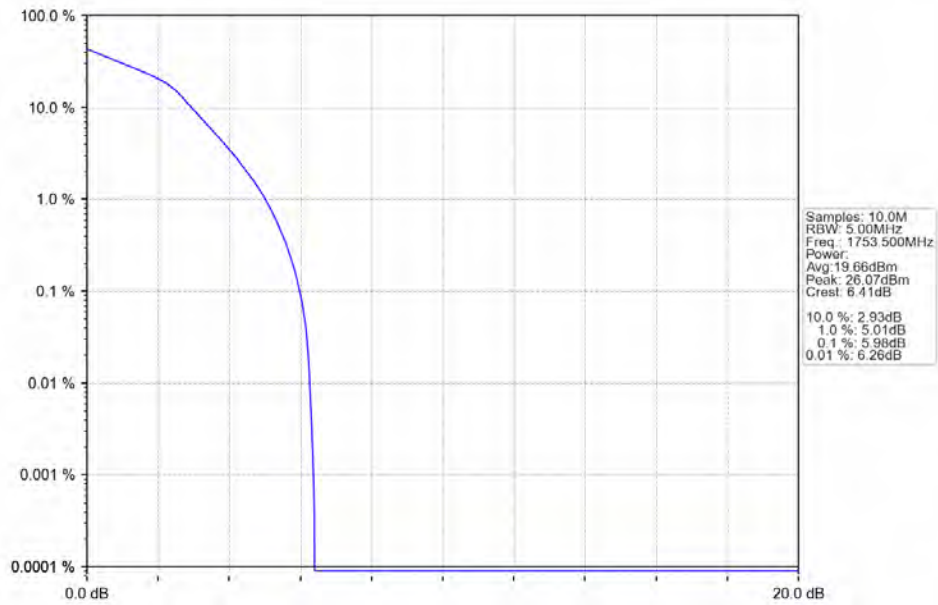
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



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



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

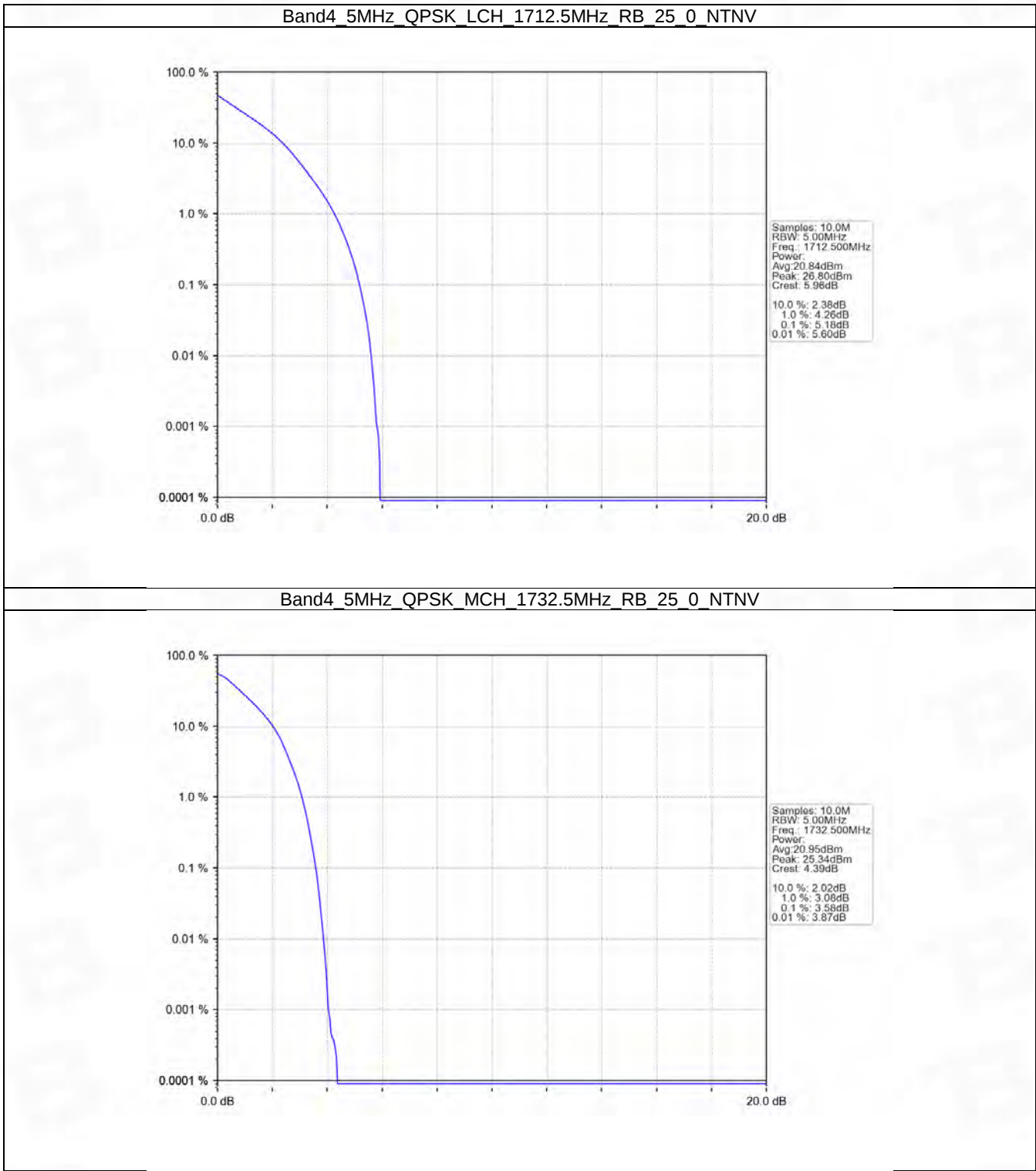


5.3 B4_5MHz

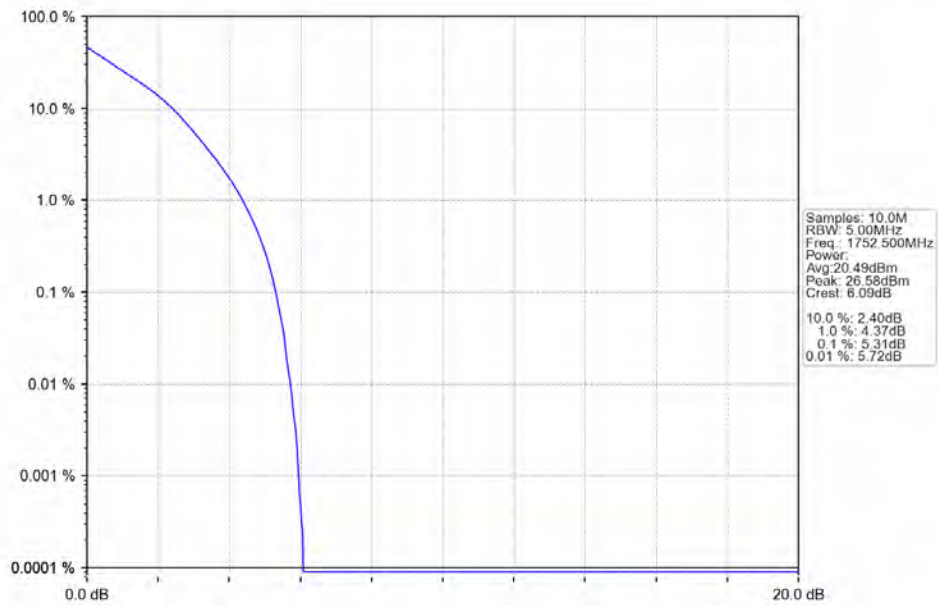
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.18	<=13	Pass
	1732.5	25	0	3.58	<=13	Pass
	1752.5	25	0	5.31	<=13	Pass
16QAM	1712.5	25	0	5.86	<=13	Pass
	1732.5	25	0	4.31	<=13	Pass
	1752.5	25	0	5.95	<=13	Pass

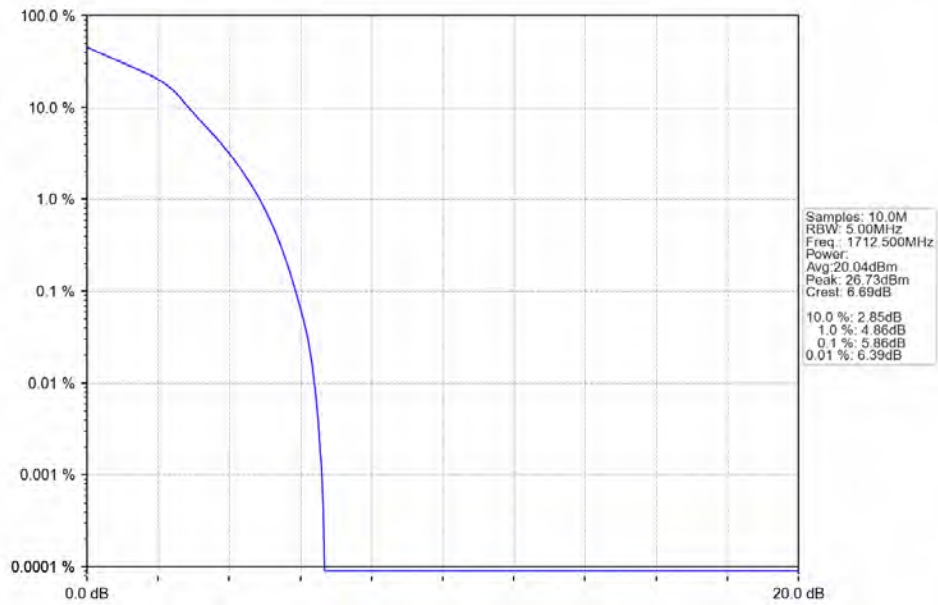
5.3.2 Test Graph



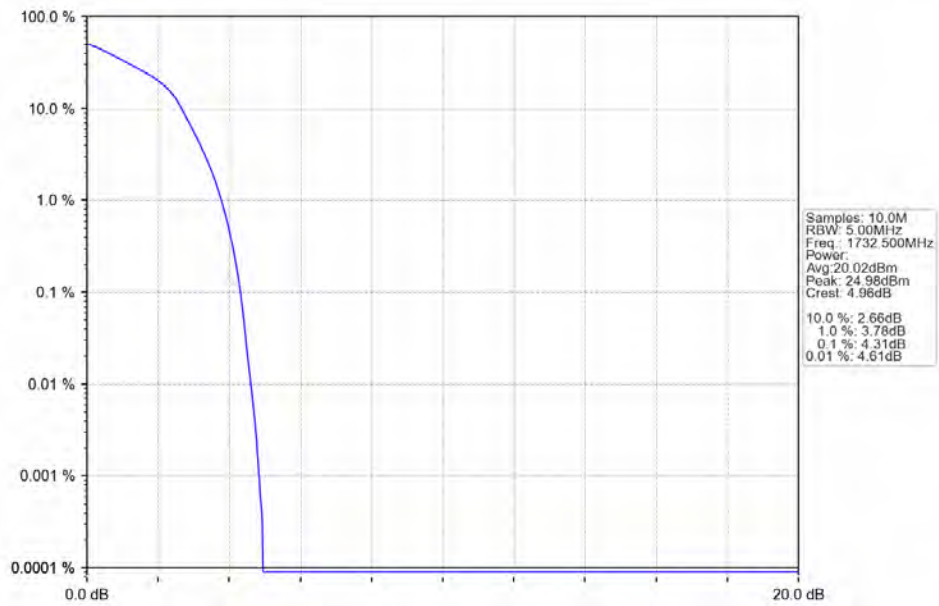
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



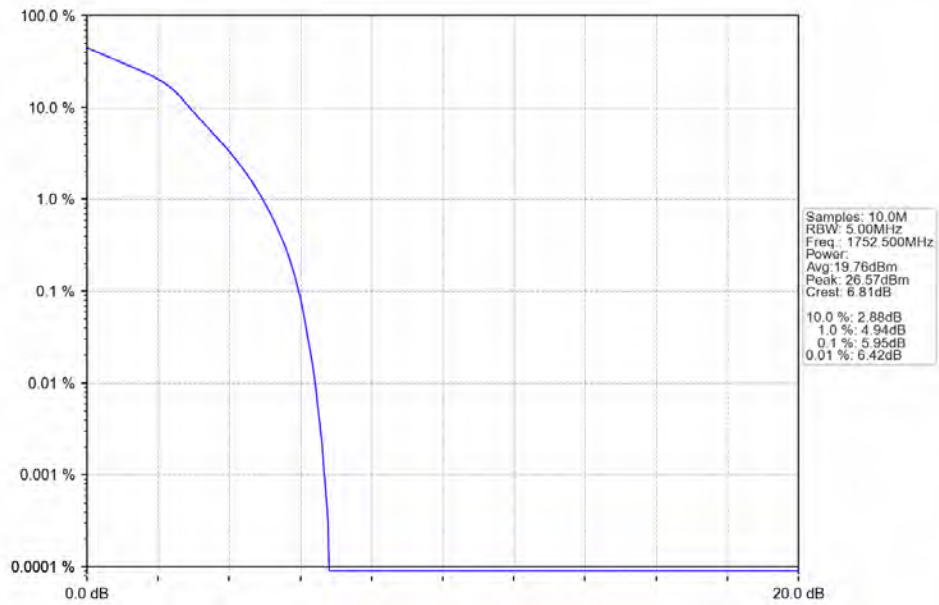
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



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



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

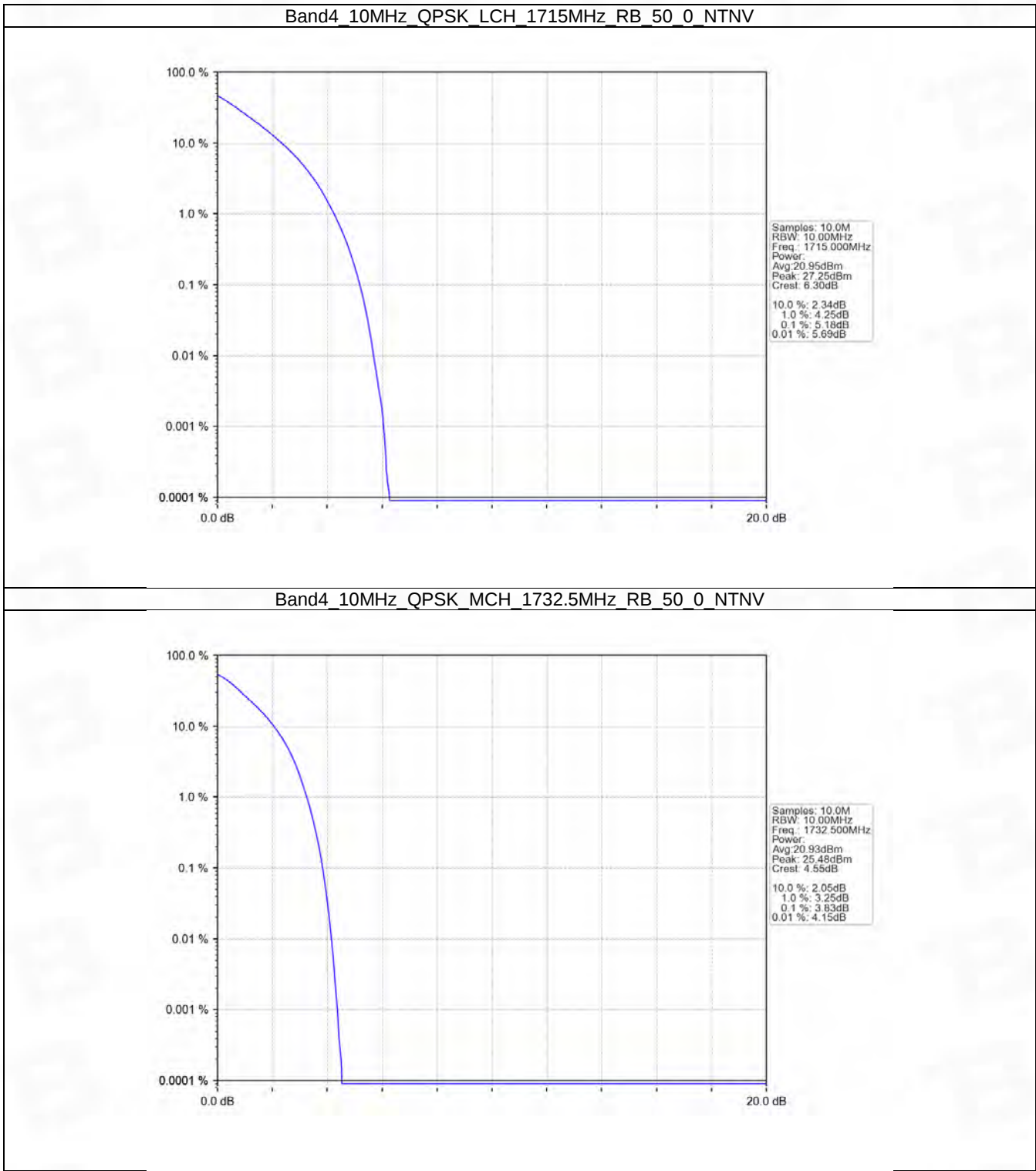


5.4 B4_10MHz

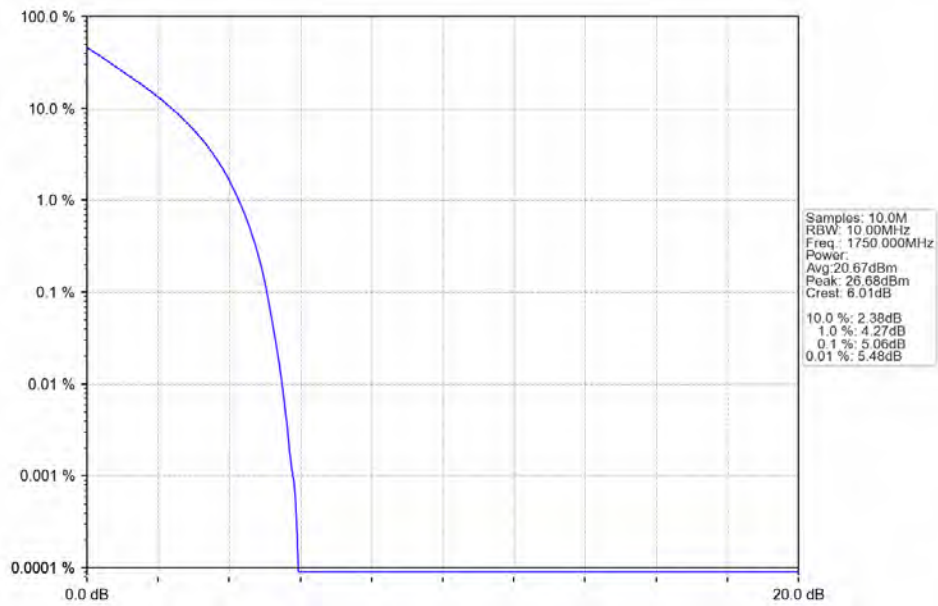
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.18	<=13	Pass
	1732.5	50	0	3.83	<=13	Pass
	1750	50	0	5.06	<=13	Pass
16QAM	1715	50	0	5.91	<=13	Pass
	1732.5	50	0	4.47	<=13	Pass
	1750	50	0	5.79	<=13	Pass

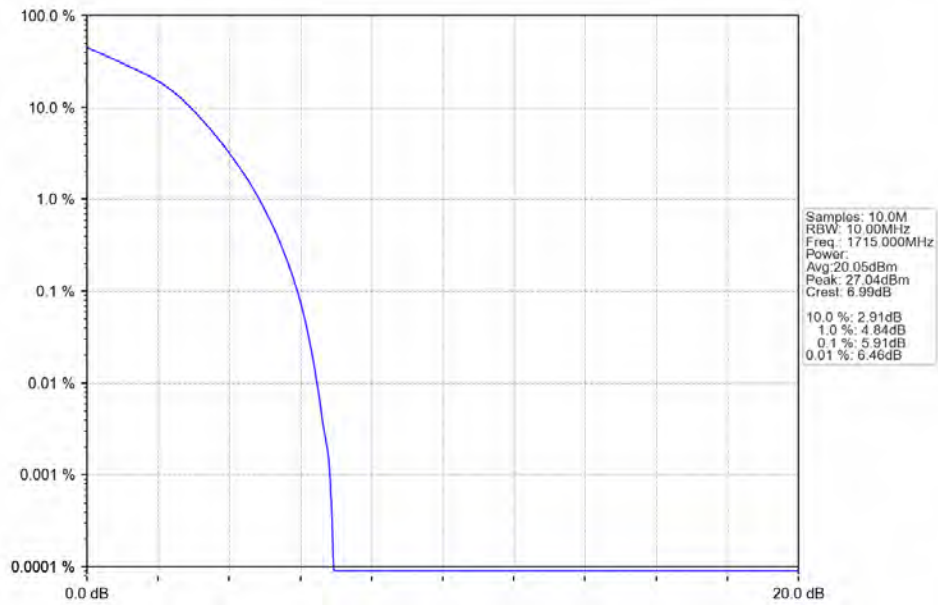
5.4.2 Test Graph



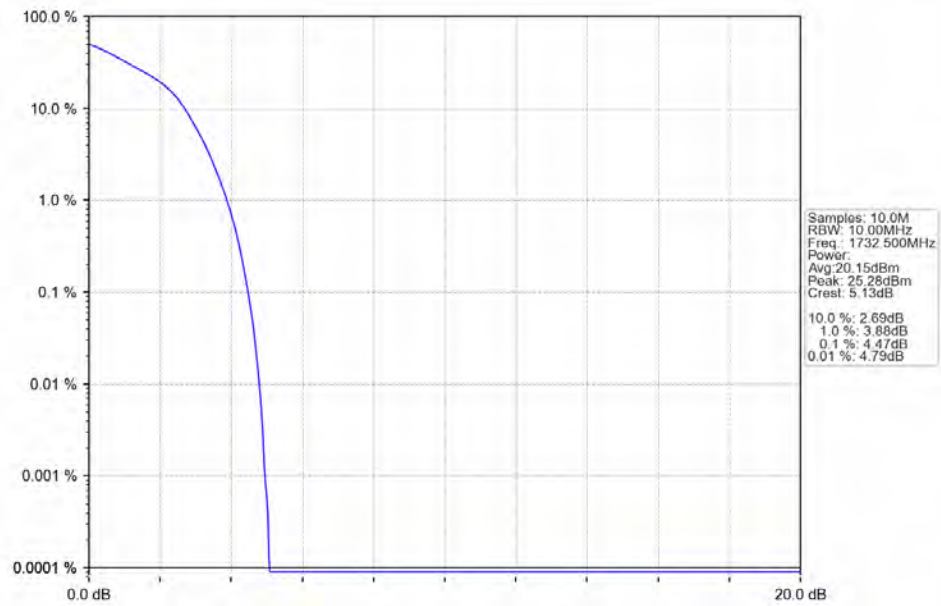
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



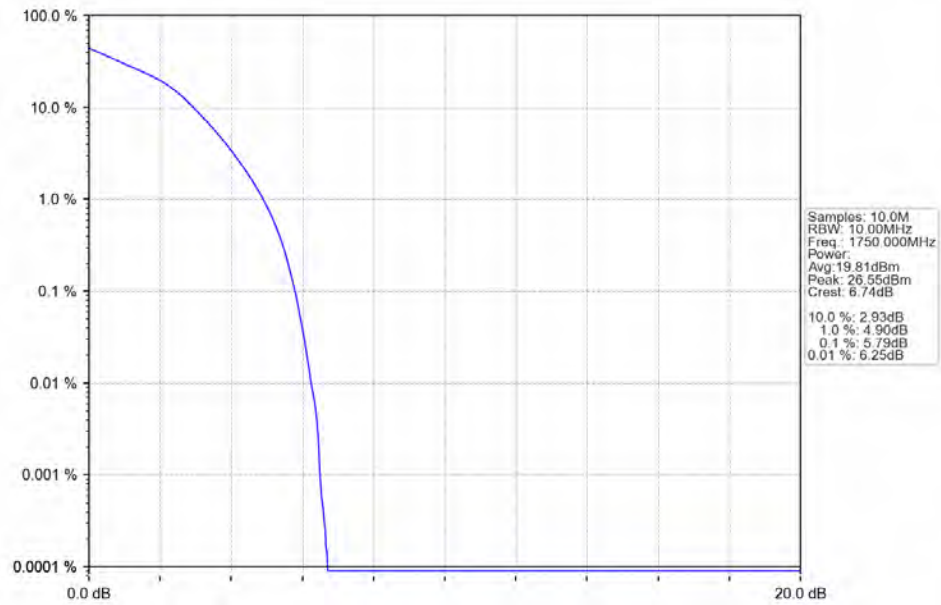
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



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



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

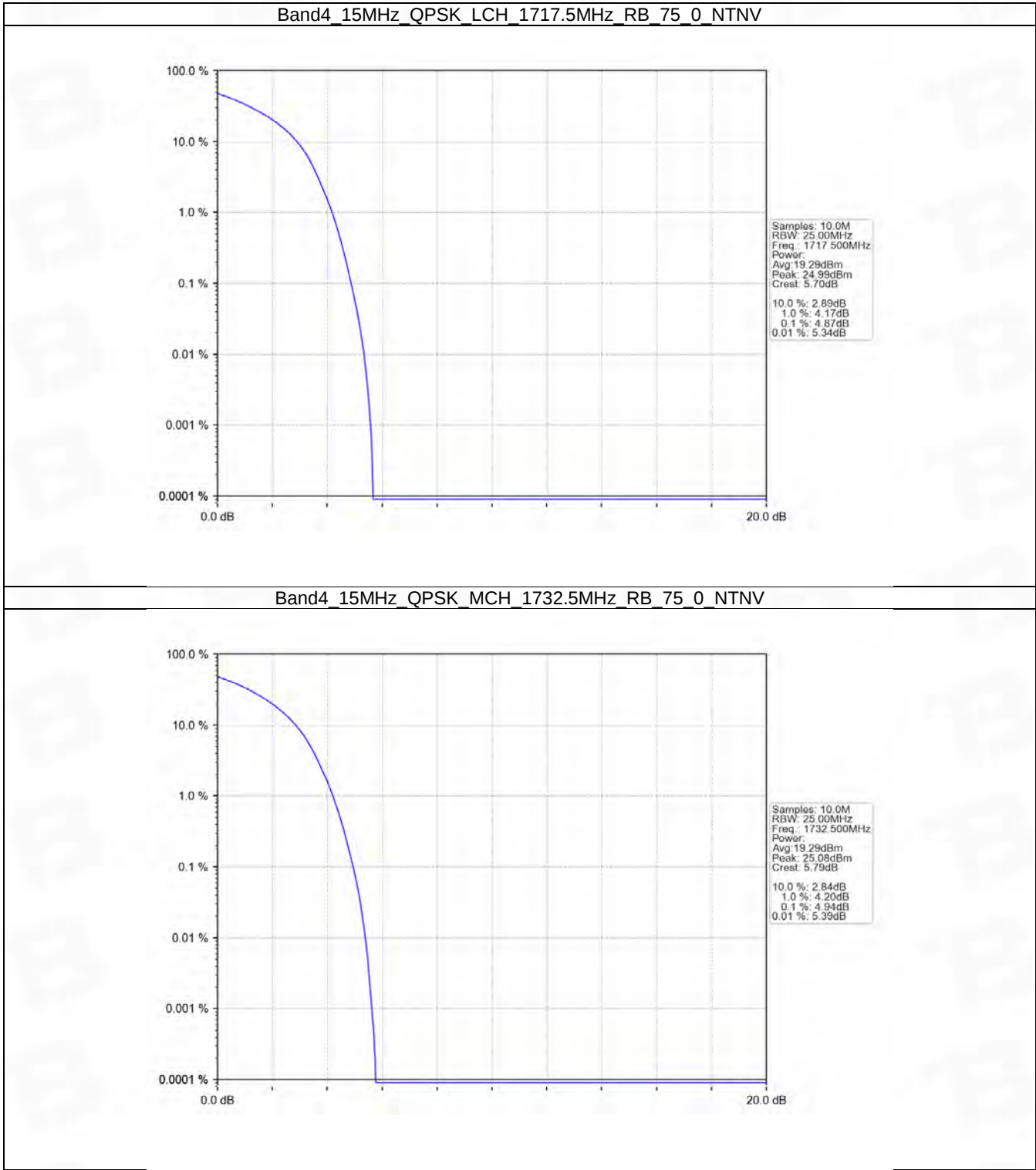


5.5 B4_15MHz

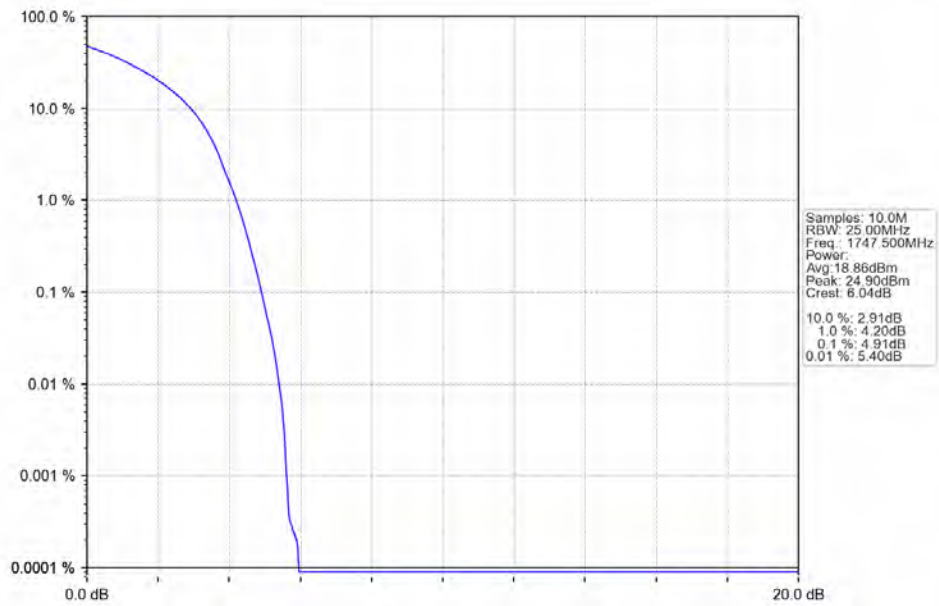
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.87	<=13	Pass
	1732.5	75	0	4.94	<=13	Pass
	1747.5	75	0	4.91	<=13	Pass
16QAM	1717.5	75	0	6.12	<=13	Pass
	1732.5	75	0	5.79	<=13	Pass
	1747.5	75	0	6.12	<=13	Pass

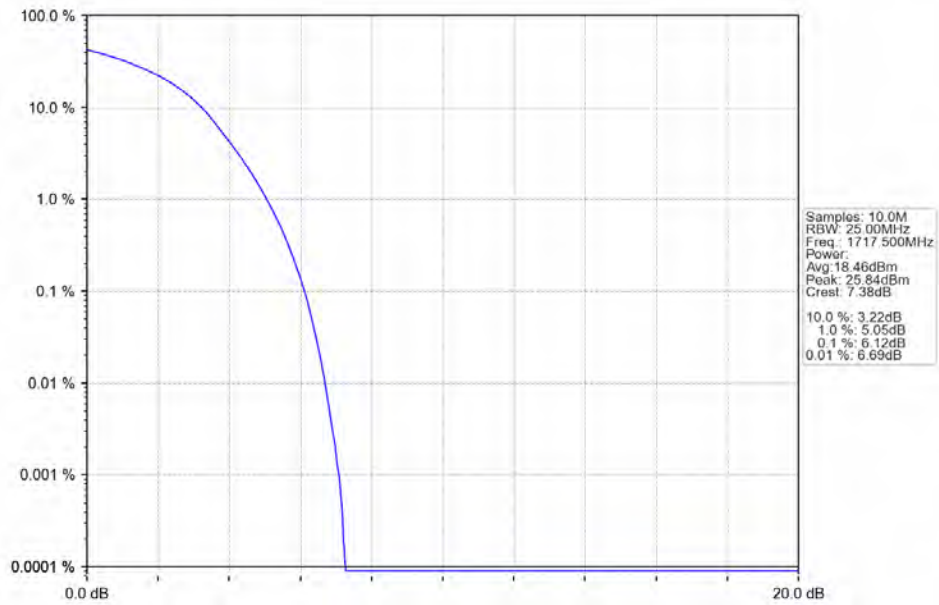
5.5.2 Test Graph



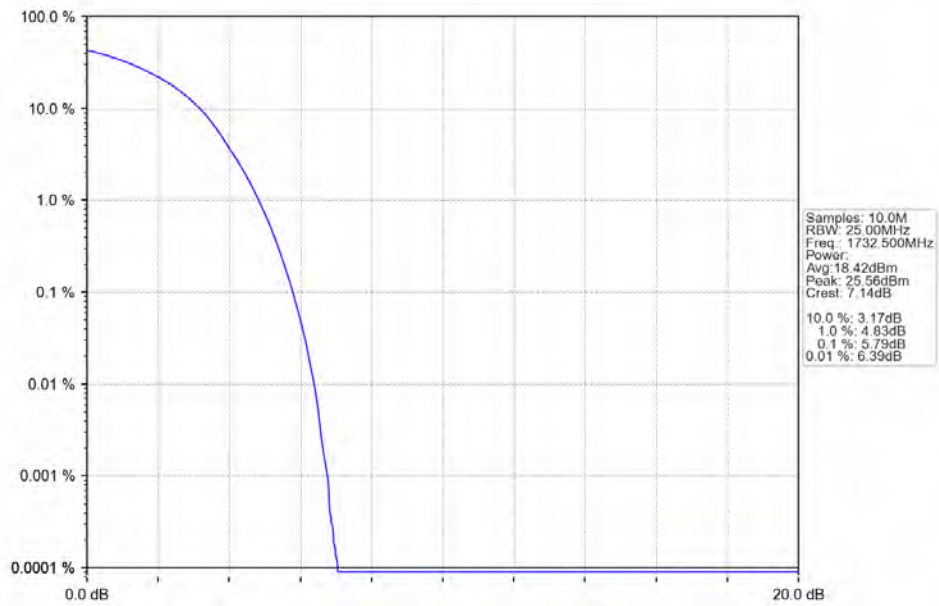
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



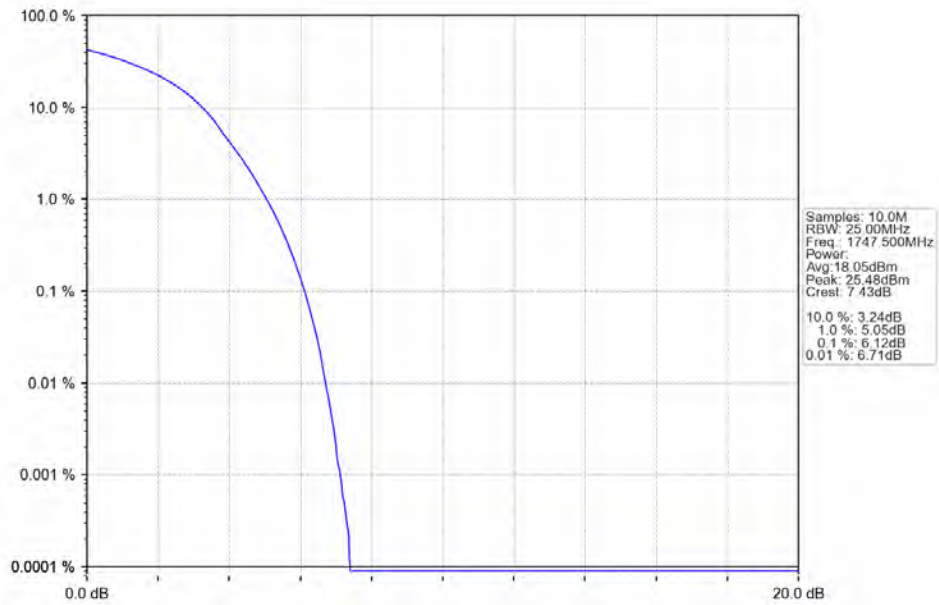
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

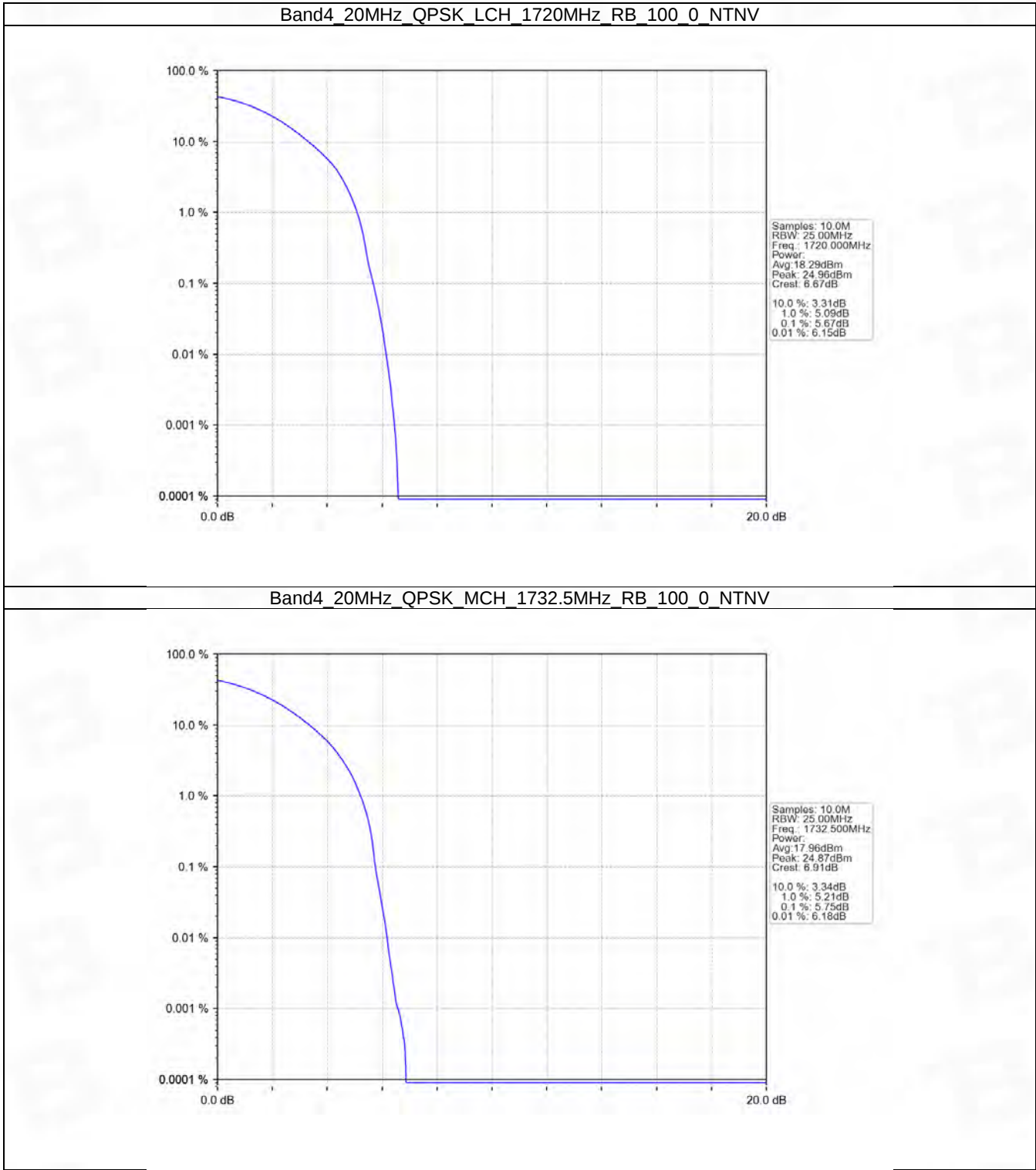


5.6 B4_20MHz

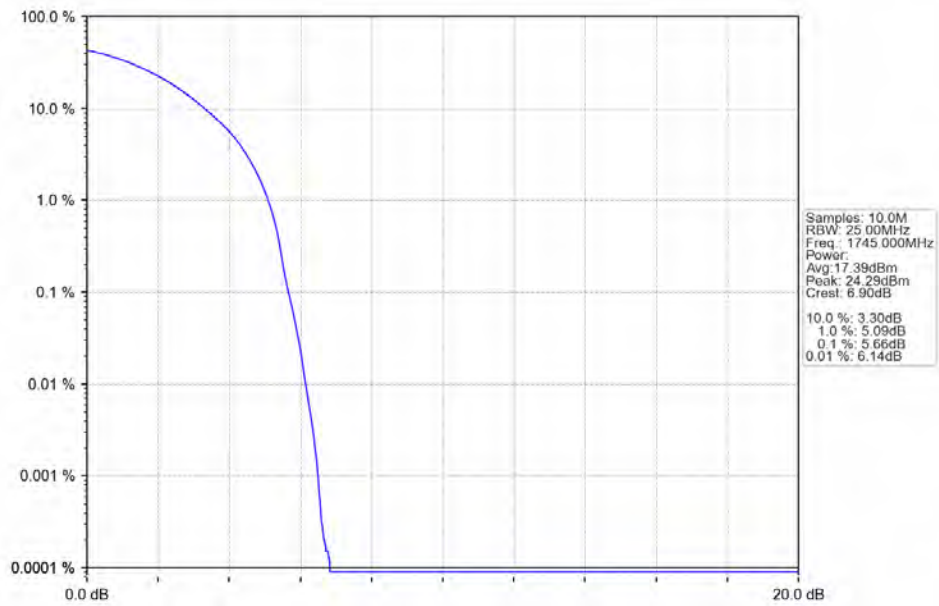
5.6.1 Test Result

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	5.75	<=13	Pass
	1745	100	0	5.66	<=13	Pass
16QAM	1720	100	0	6.61	<=13	Pass
	1732.5	100	0	6.51	<=13	Pass
	1745	100	0	6.73	<=13	Pass

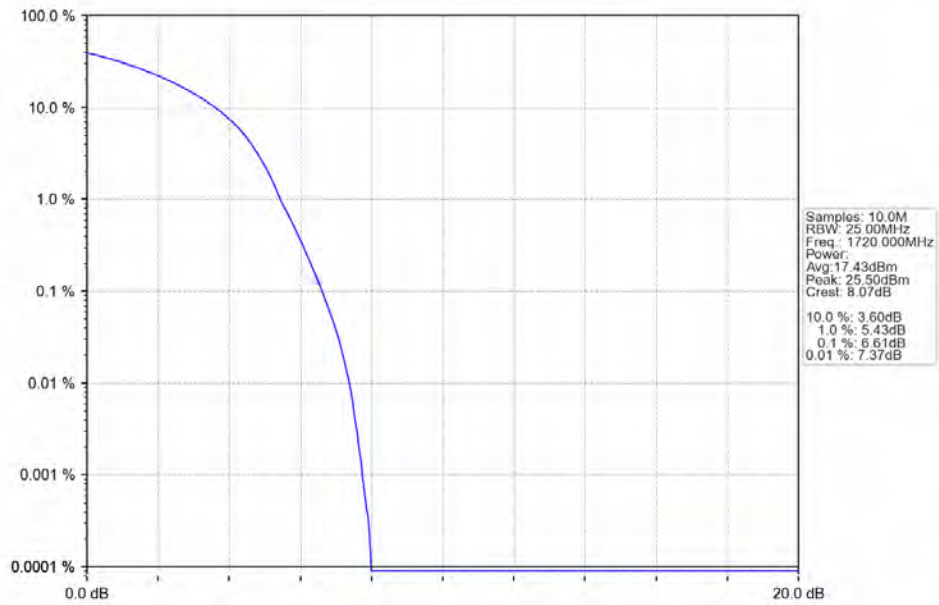
5.6.2 Test Graph



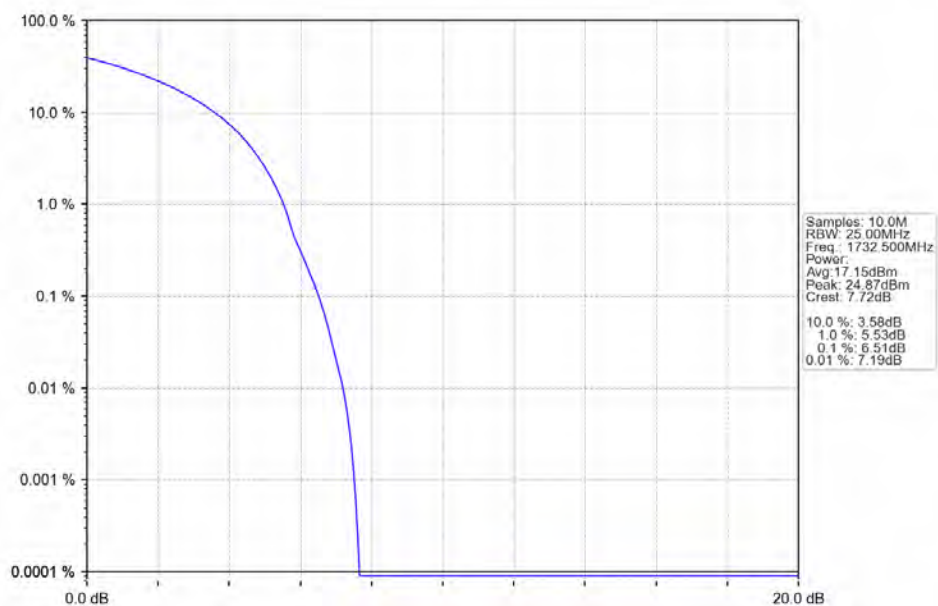
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



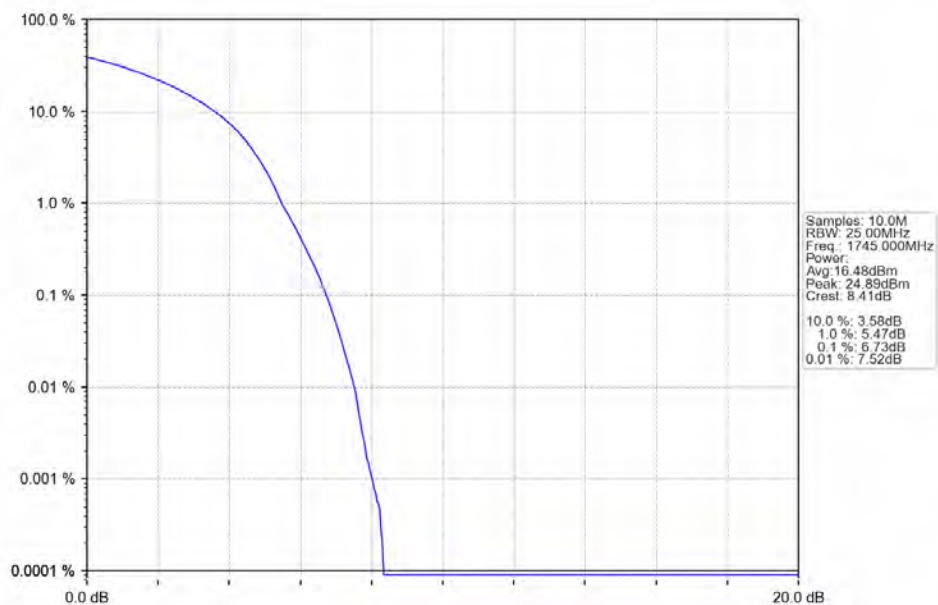
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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



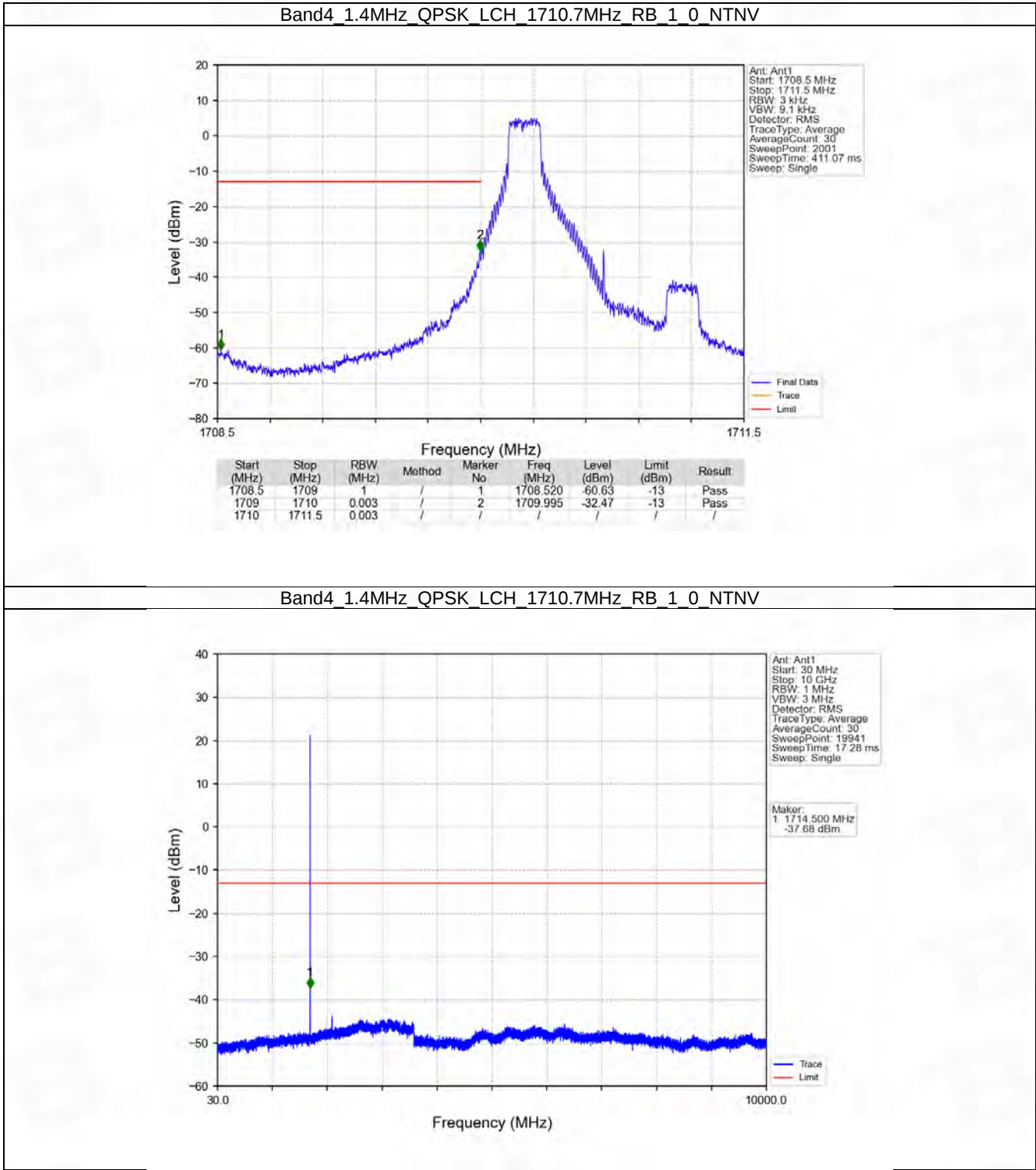
6. Spurious Emission

6.1 B4_1.4MHz

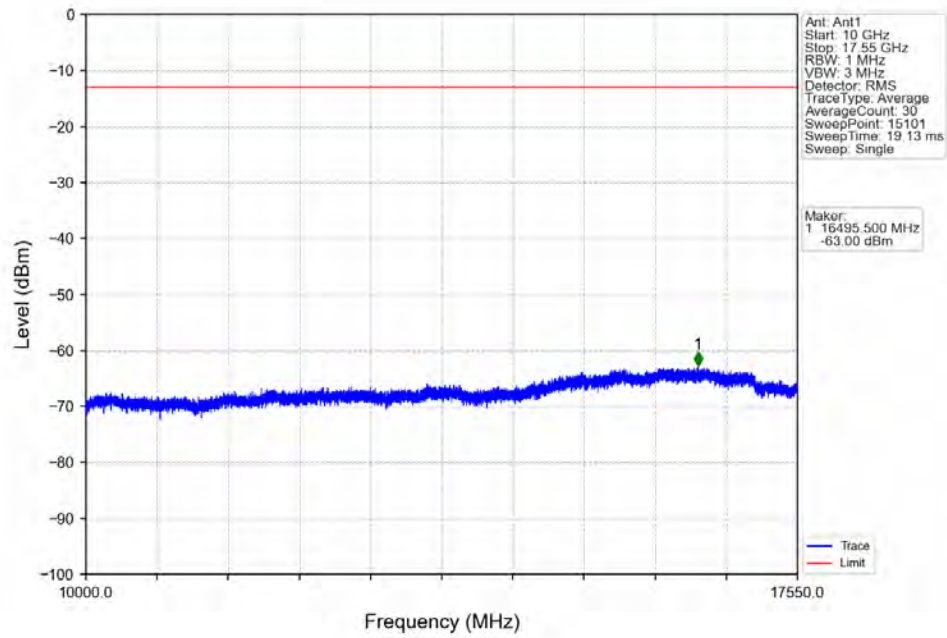
6.1.1 Test Result

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

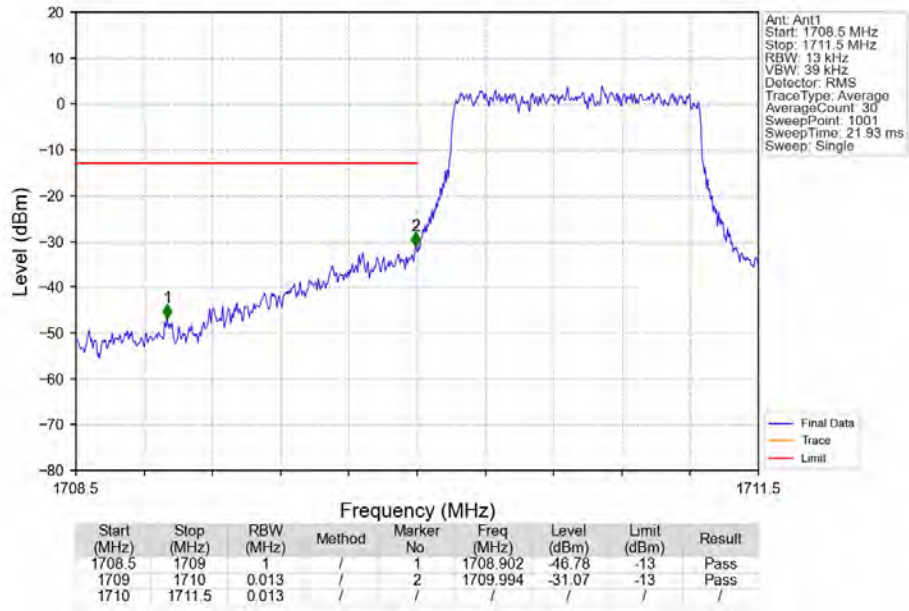
6.1.2 Test Graph



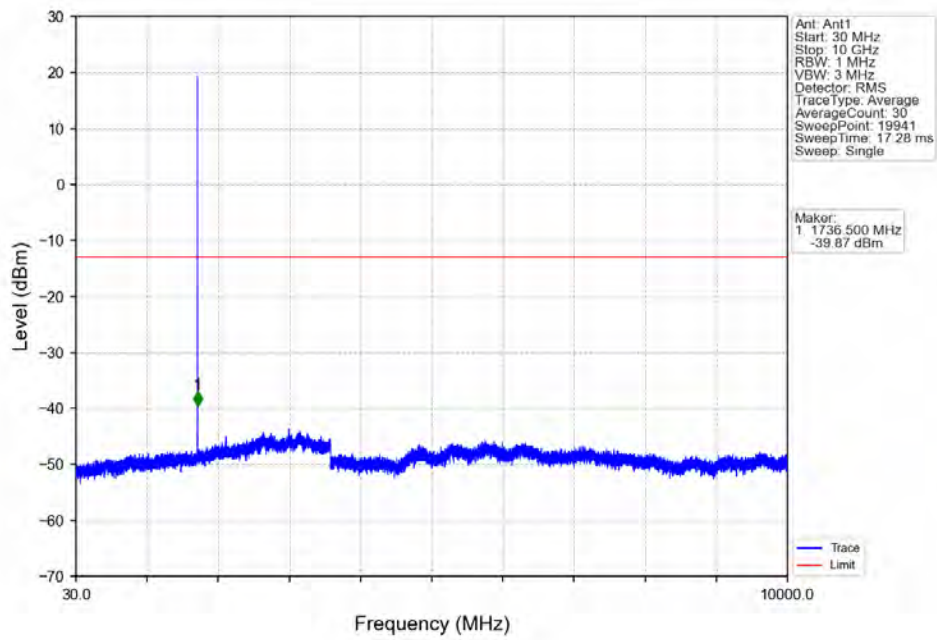
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



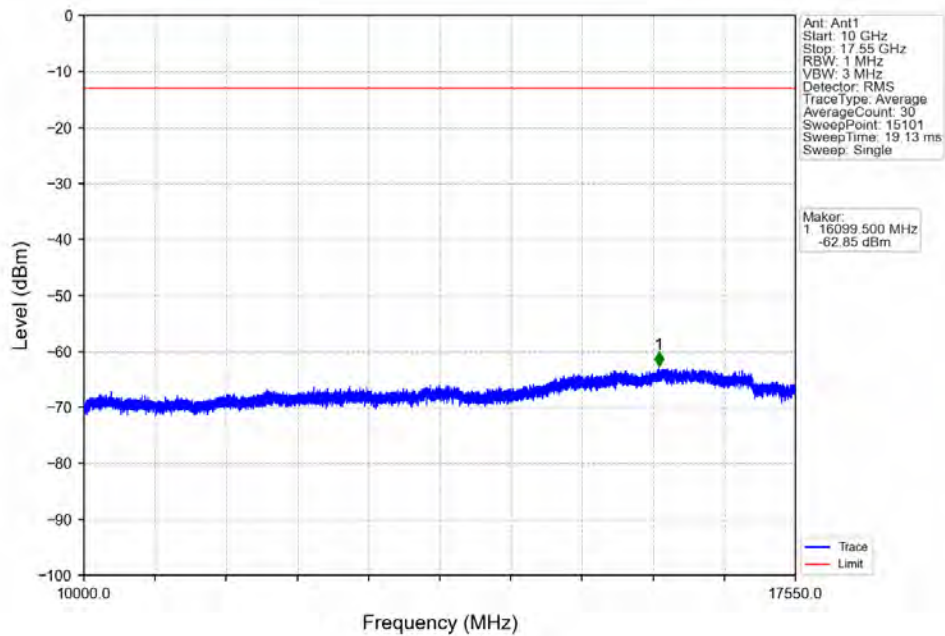
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



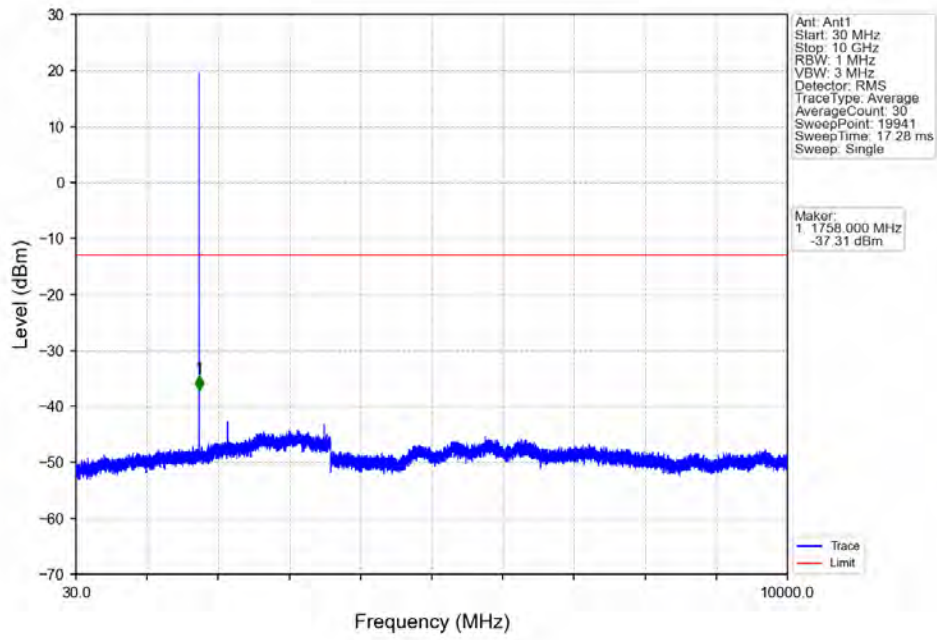
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



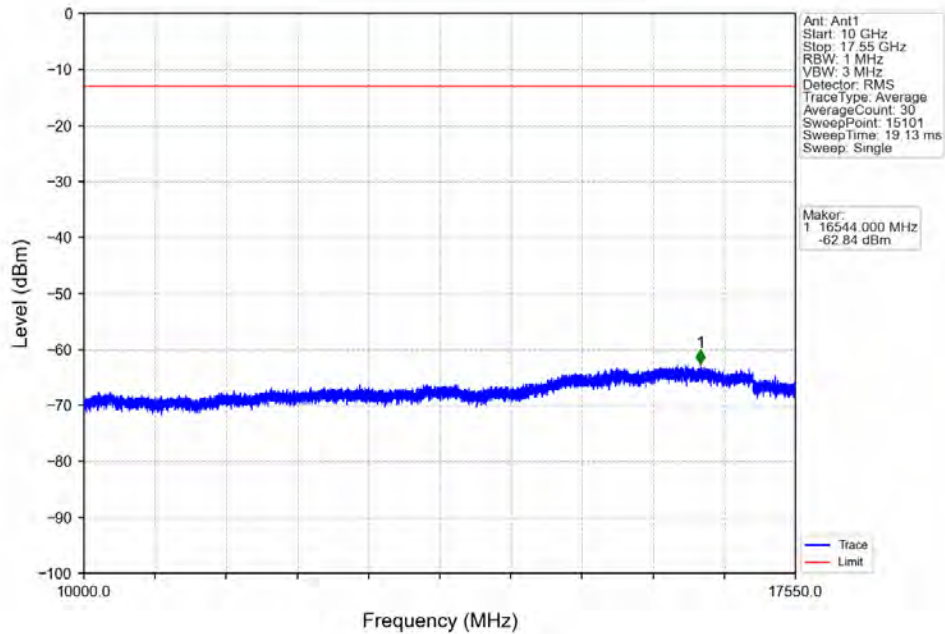
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



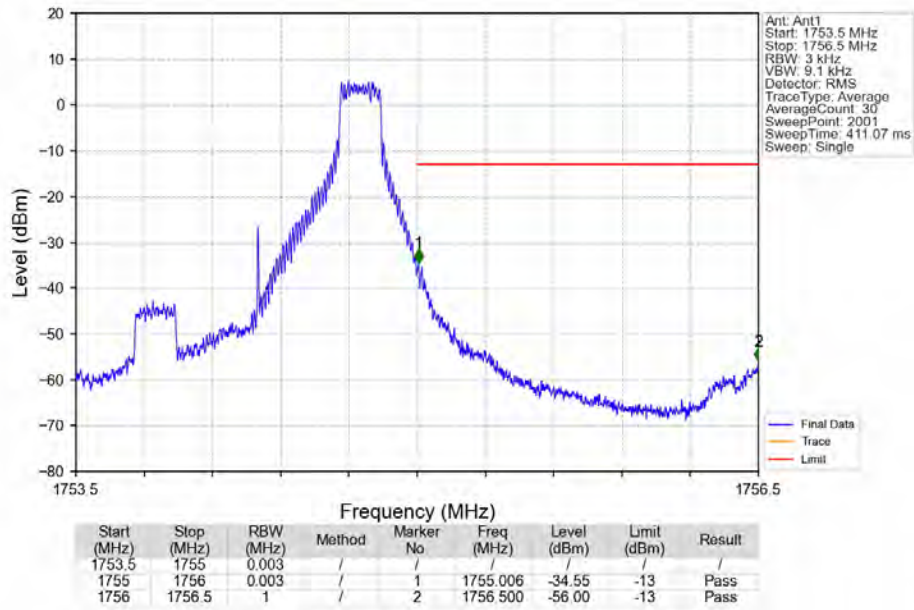
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTN



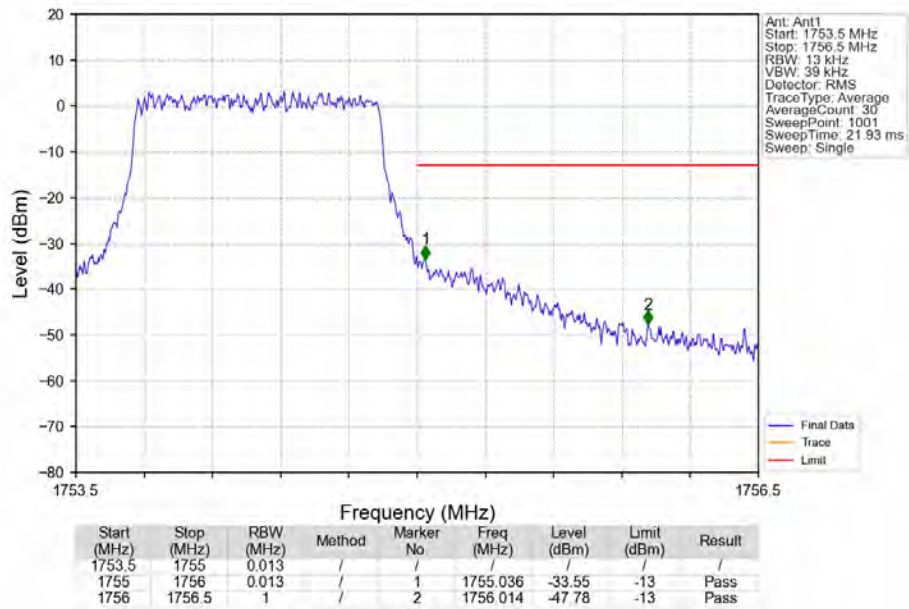
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTN



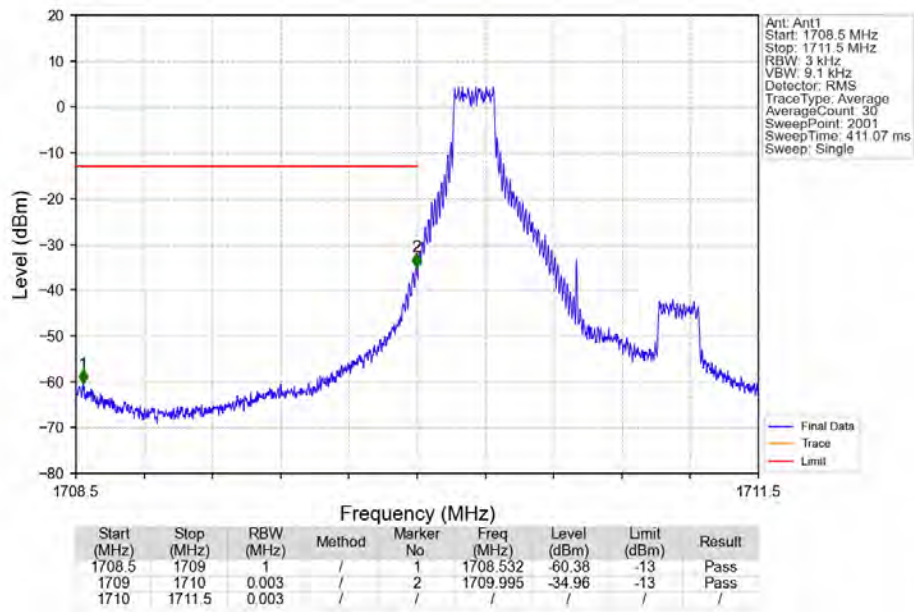
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTV



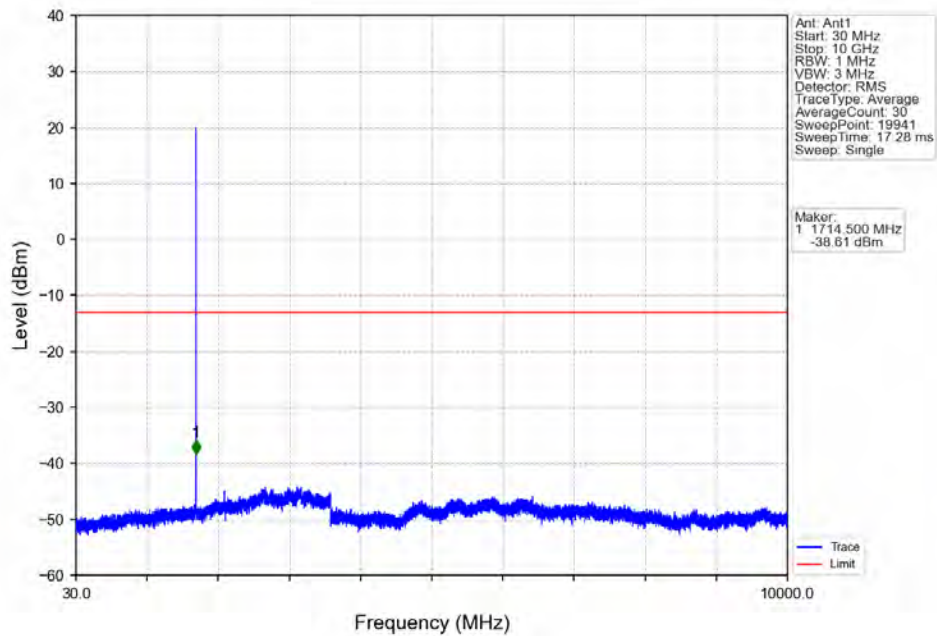
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



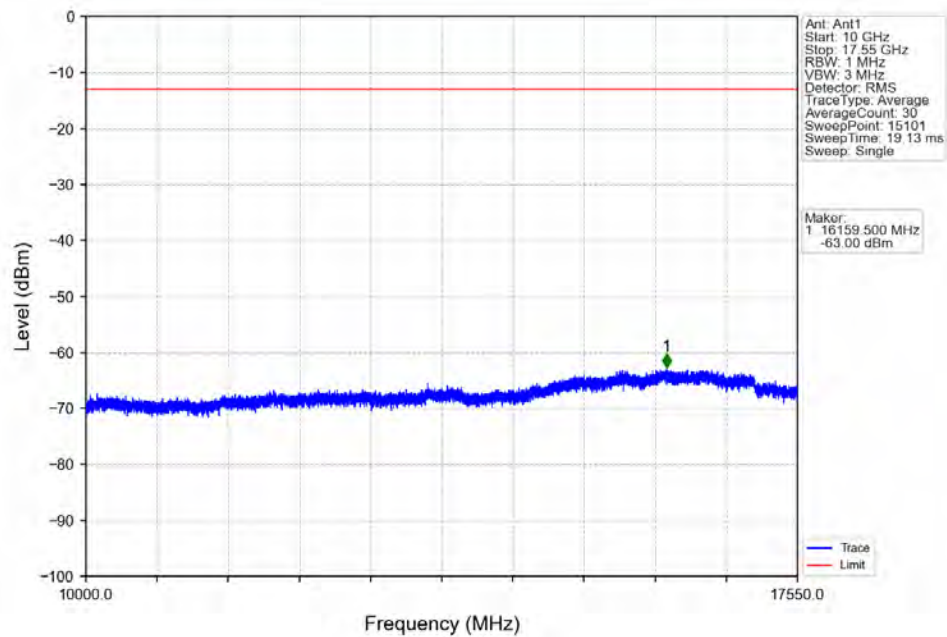
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV



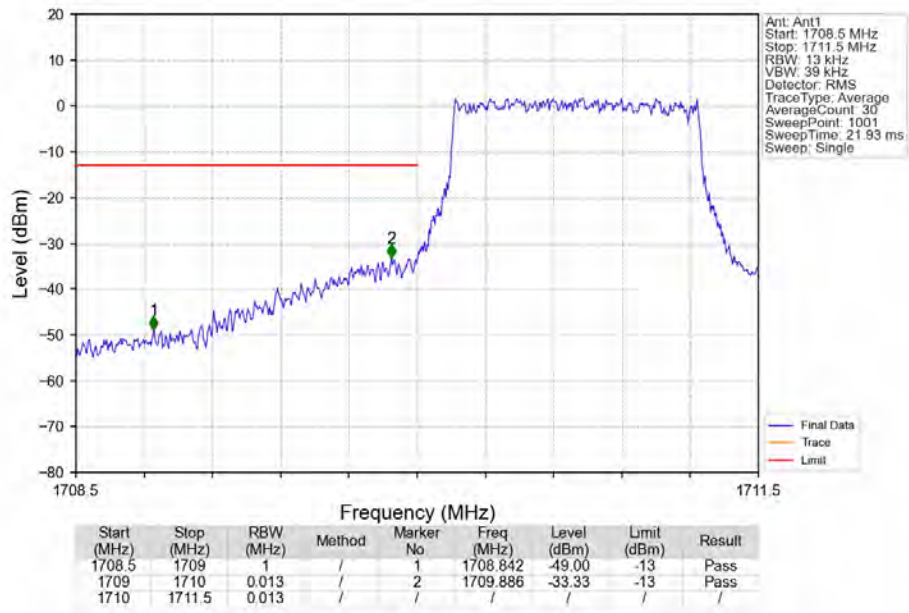
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV



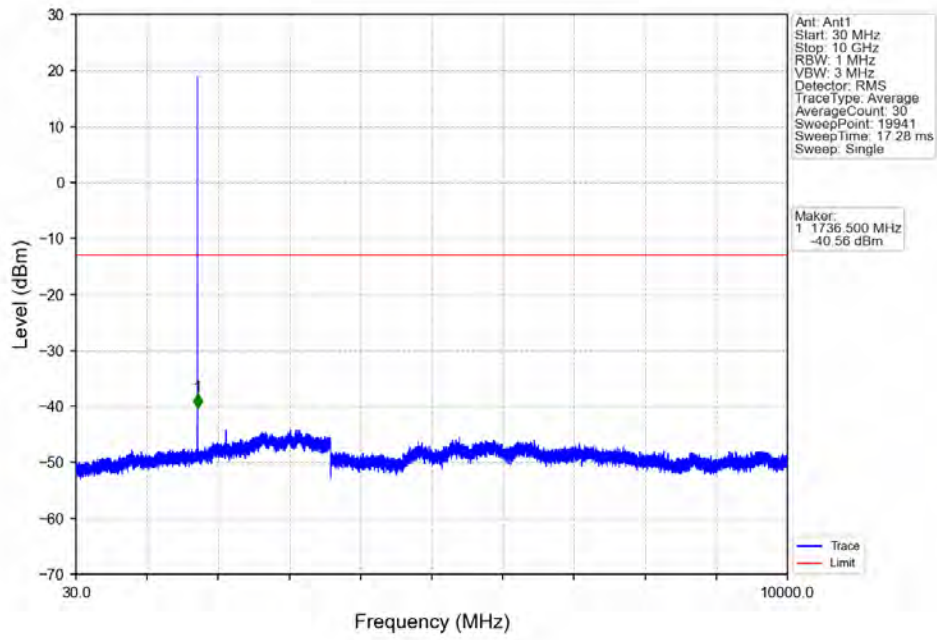
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV



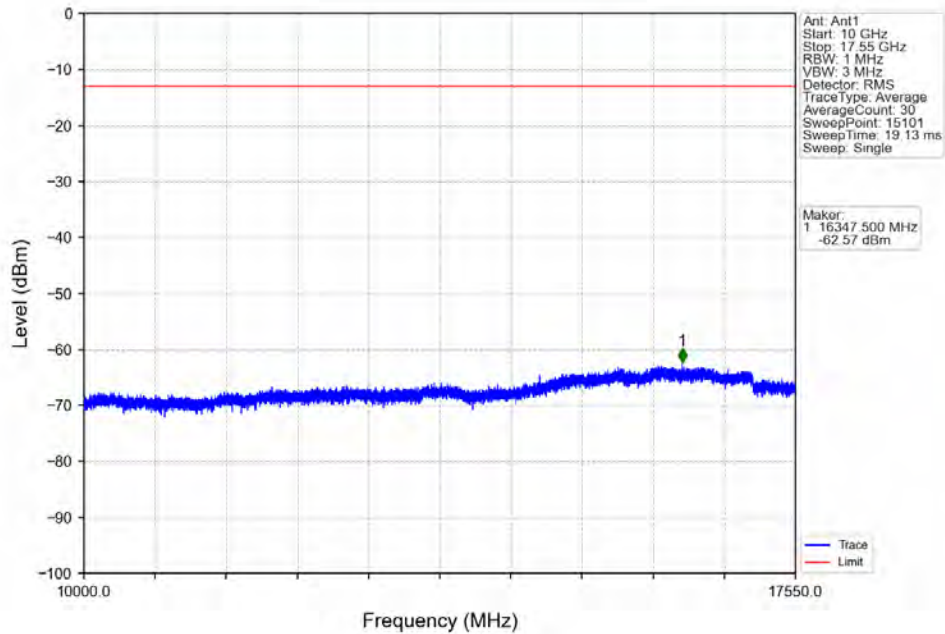
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



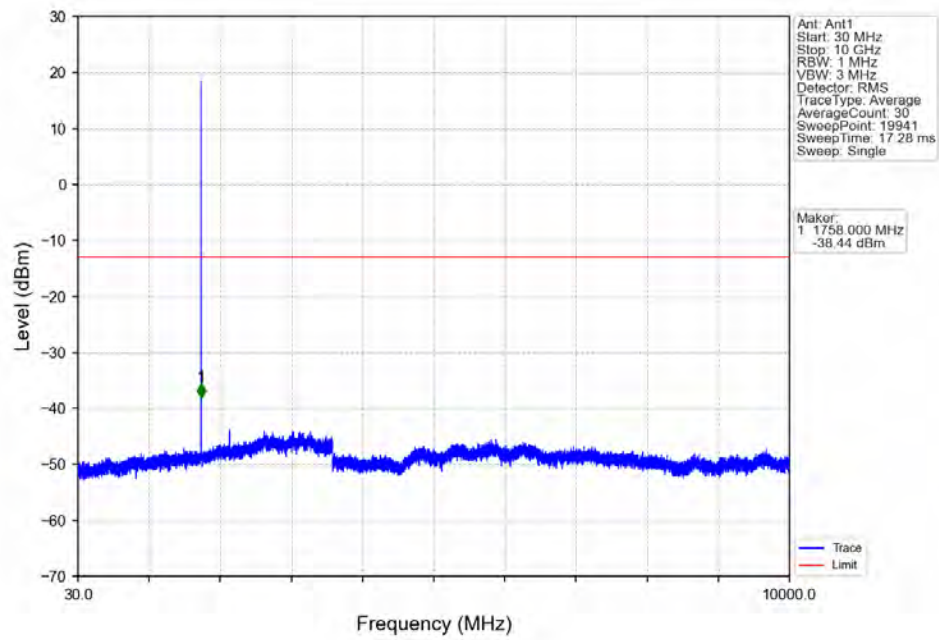
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



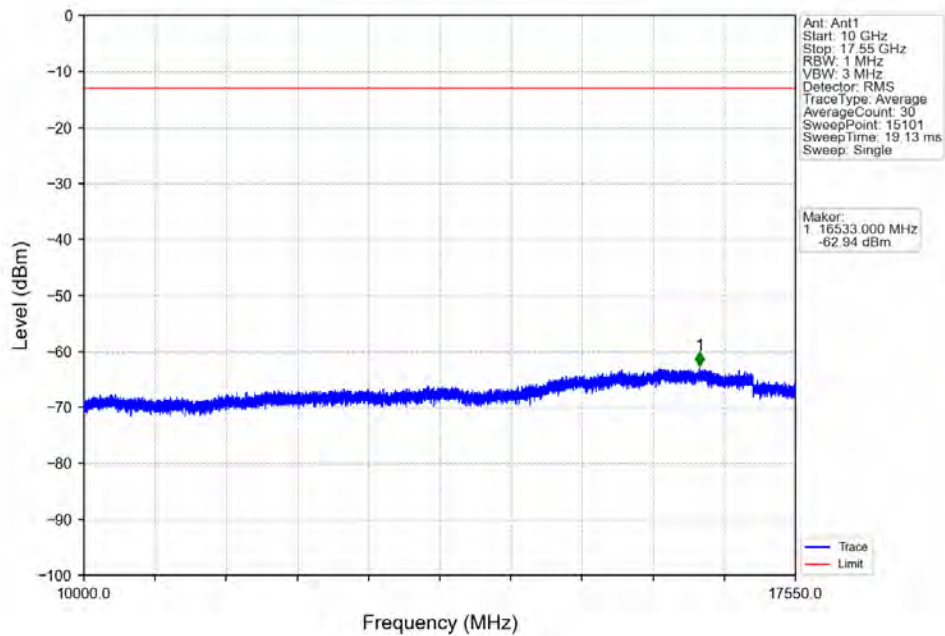
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



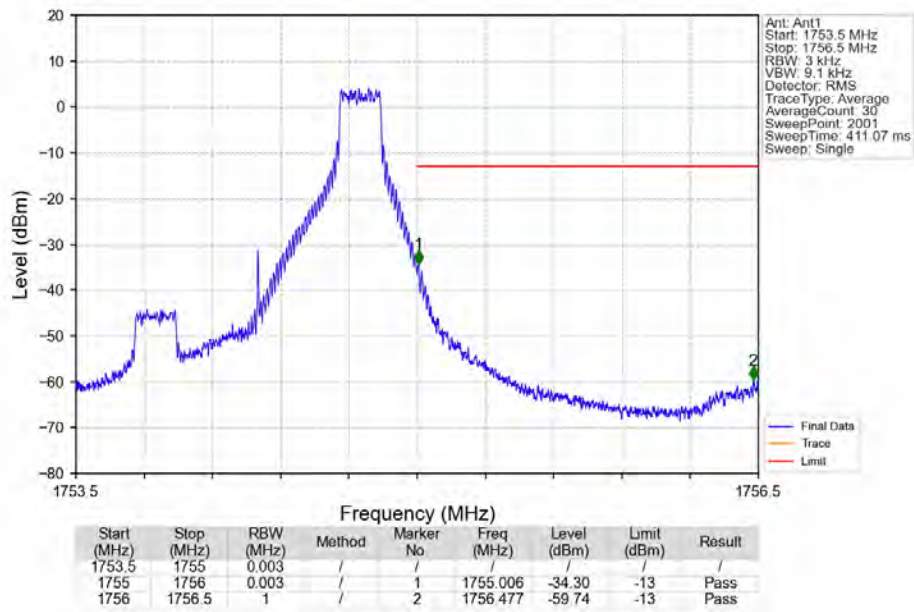
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



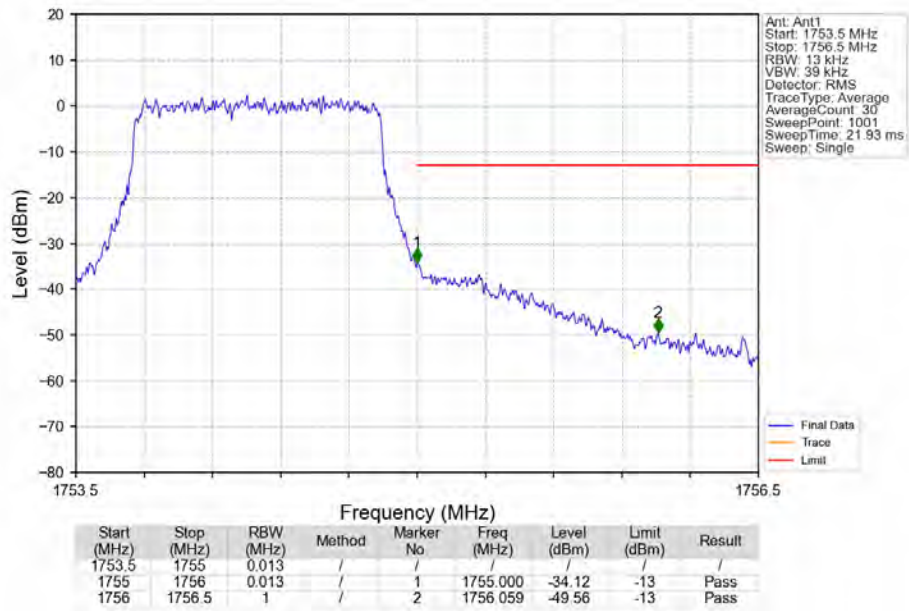
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



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



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

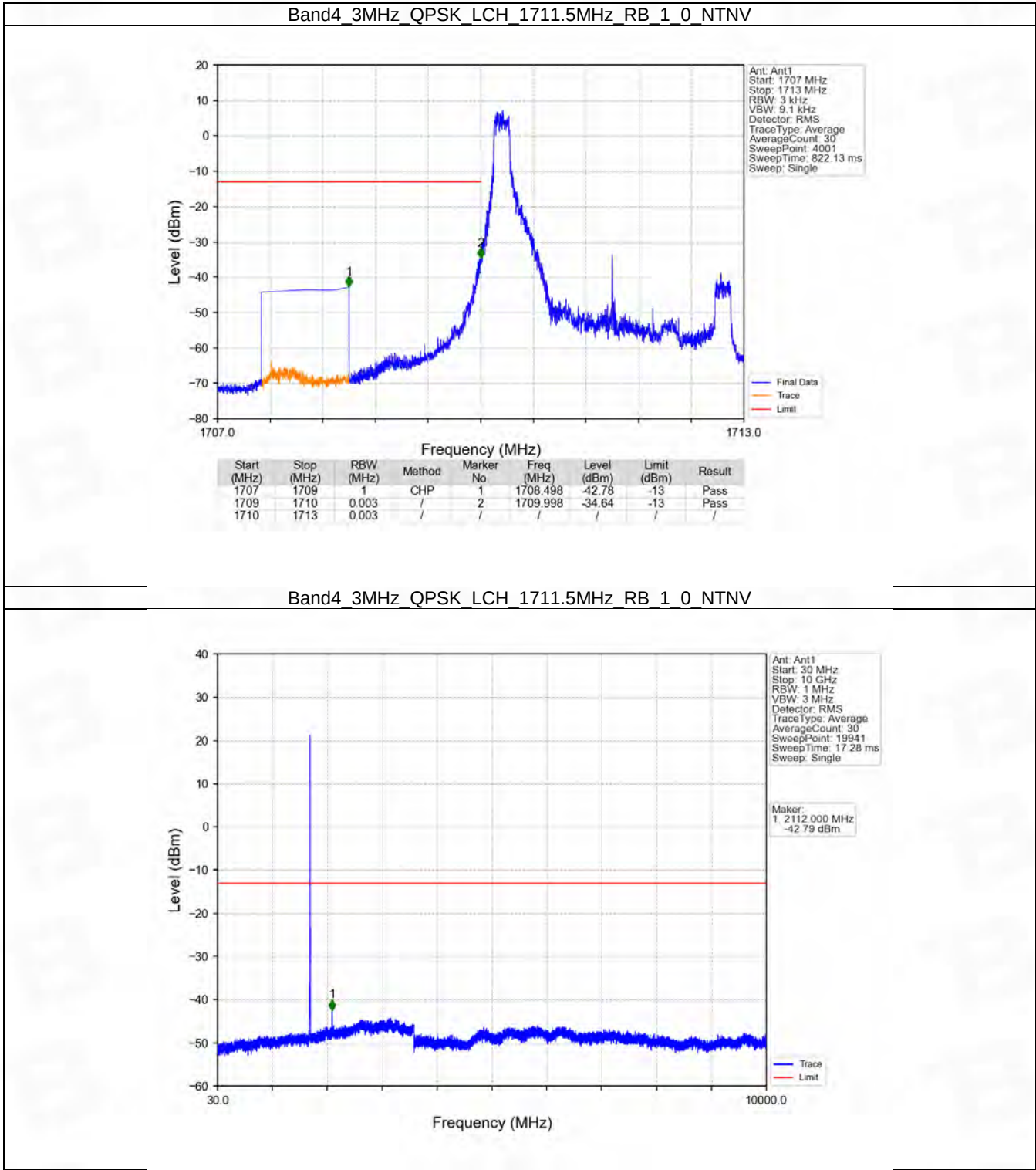


6.2 B4_3MHz

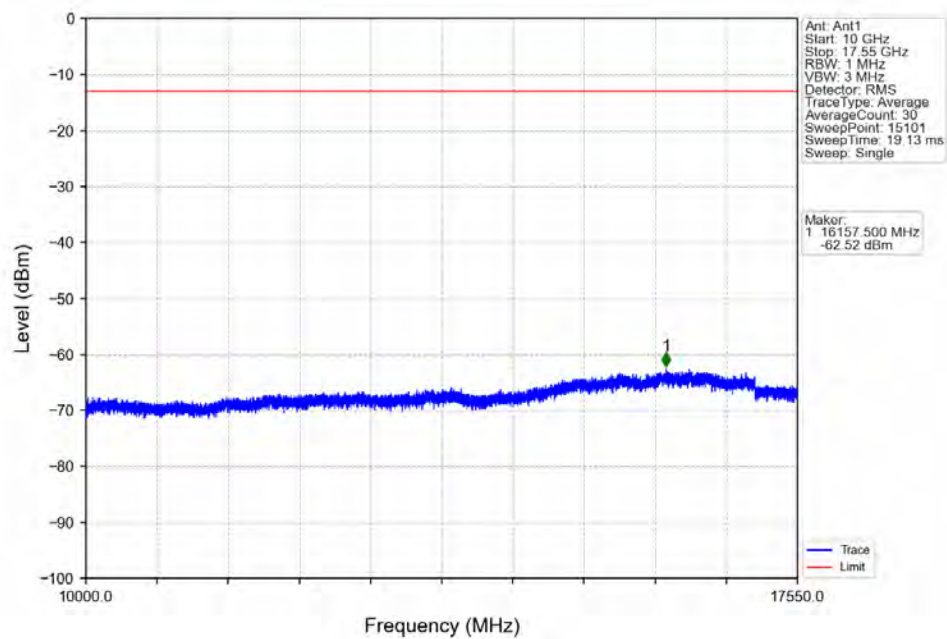
6.2.1 Test Result

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

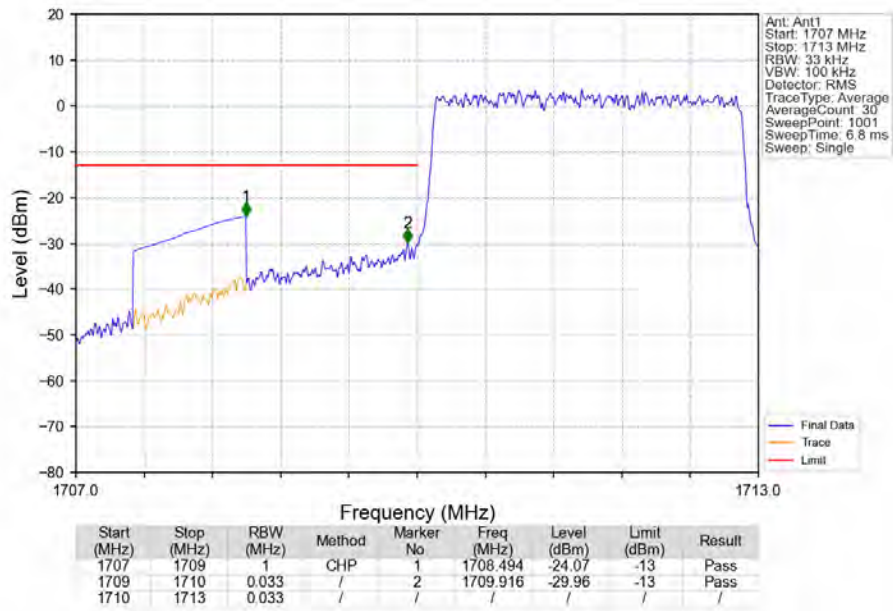
6.2.2 Test Graph



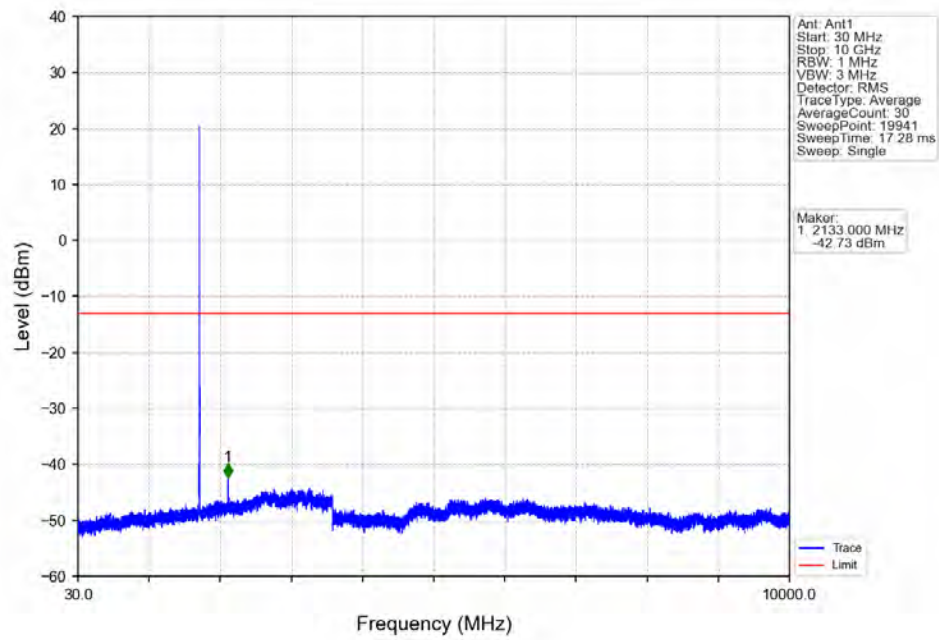
Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTNV



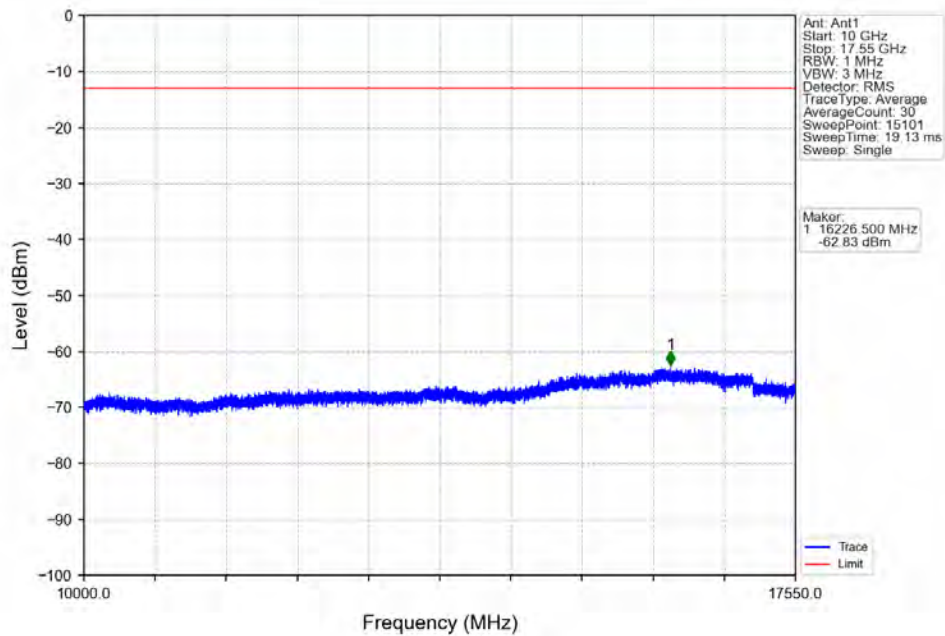
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



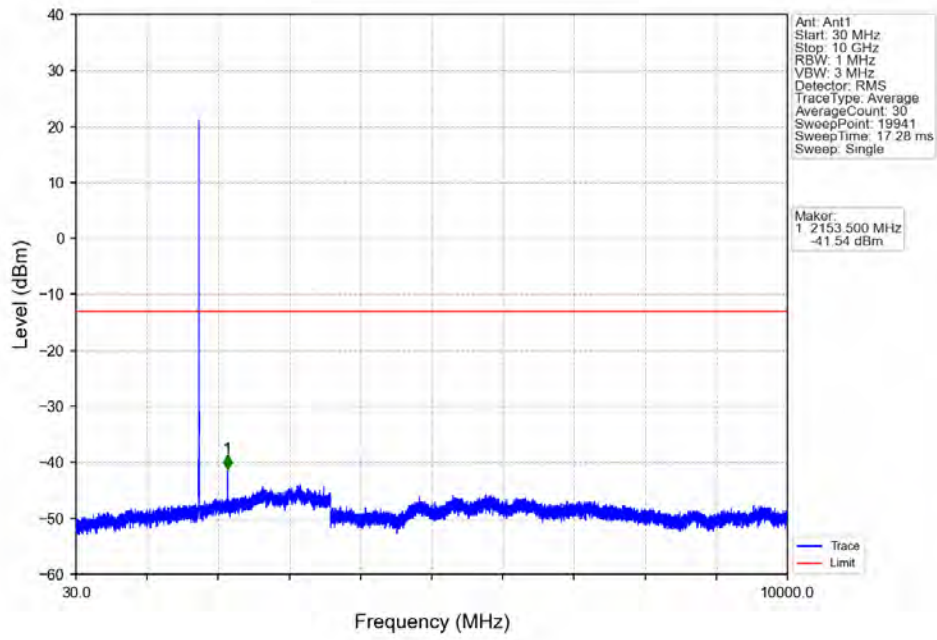
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



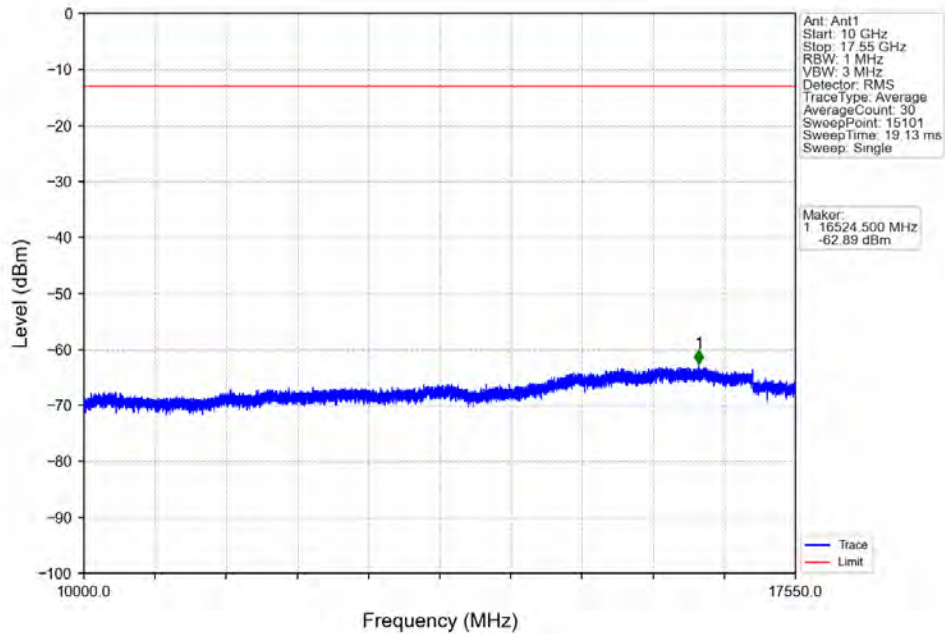
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



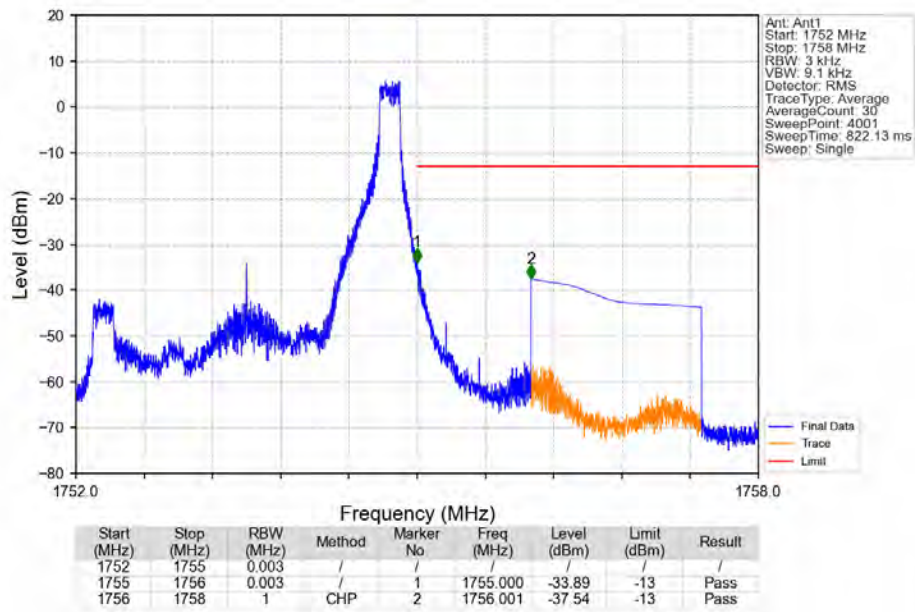
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV



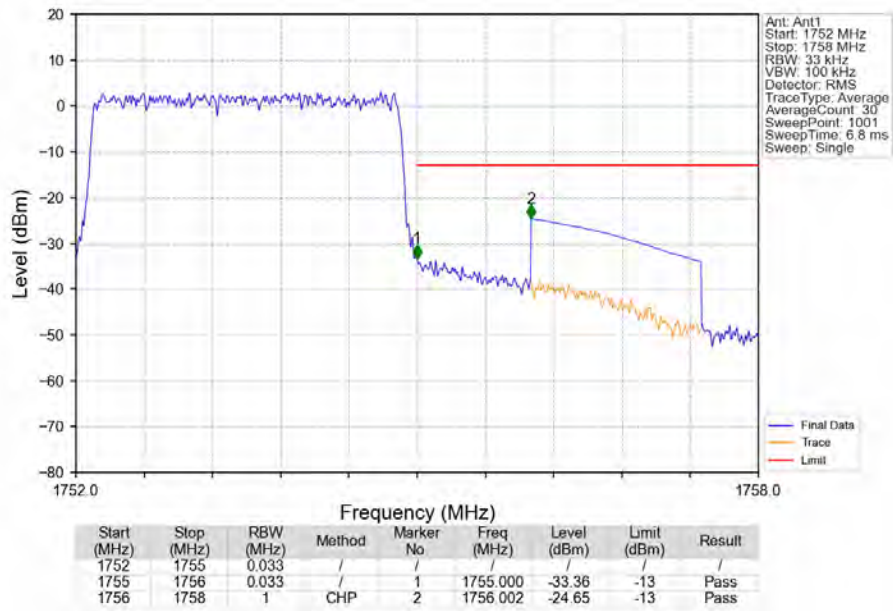
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTNV



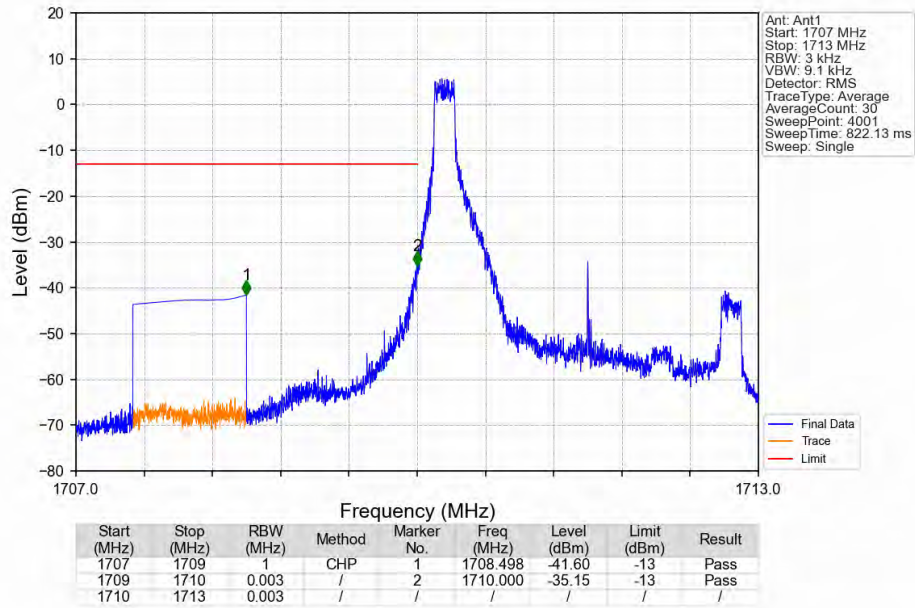
Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



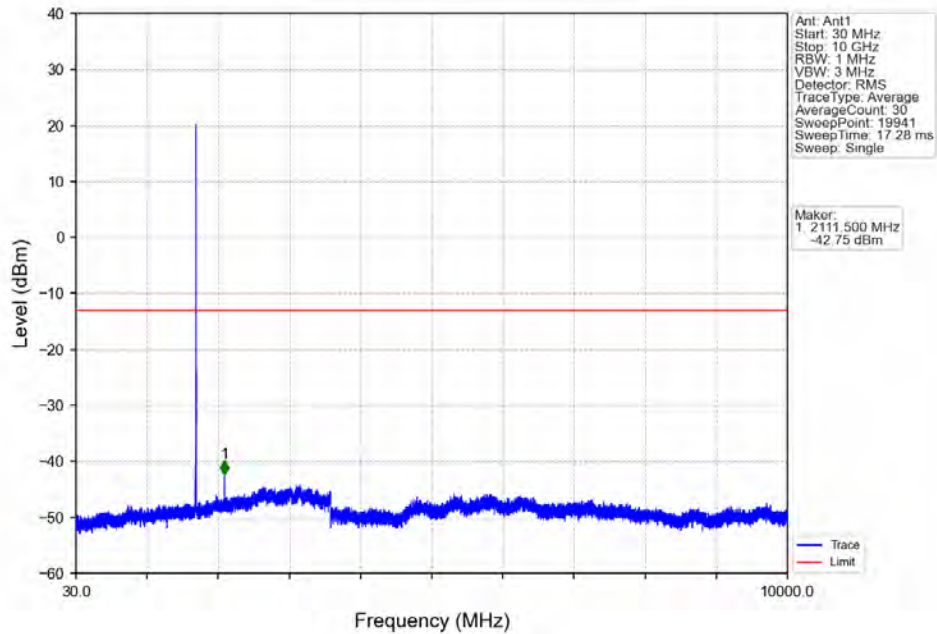
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



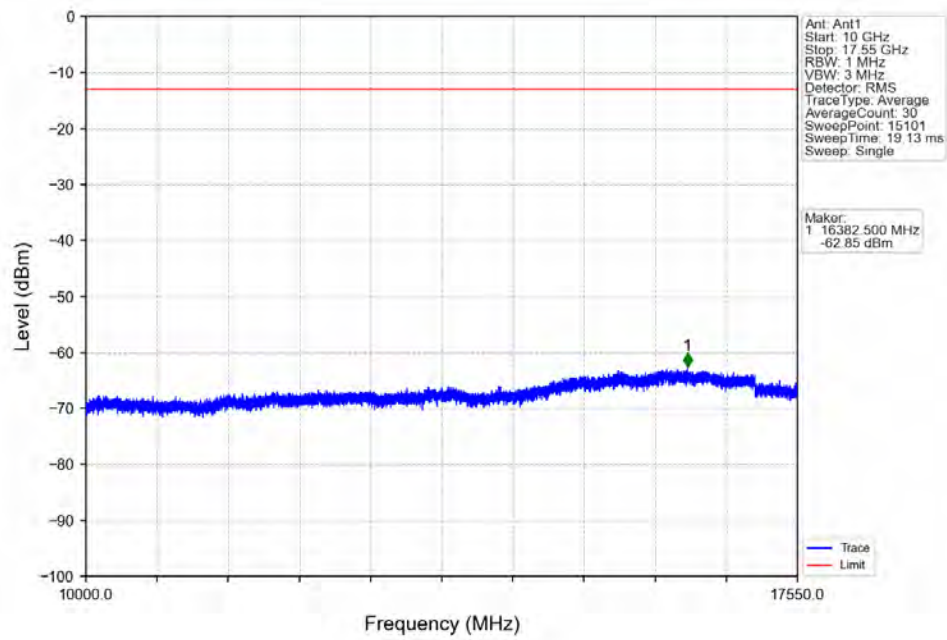
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTV



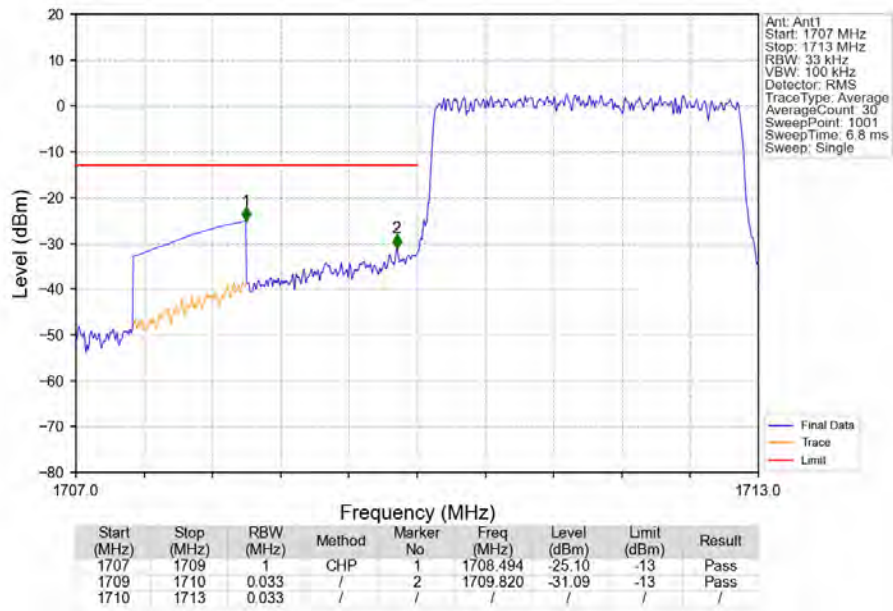
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTV



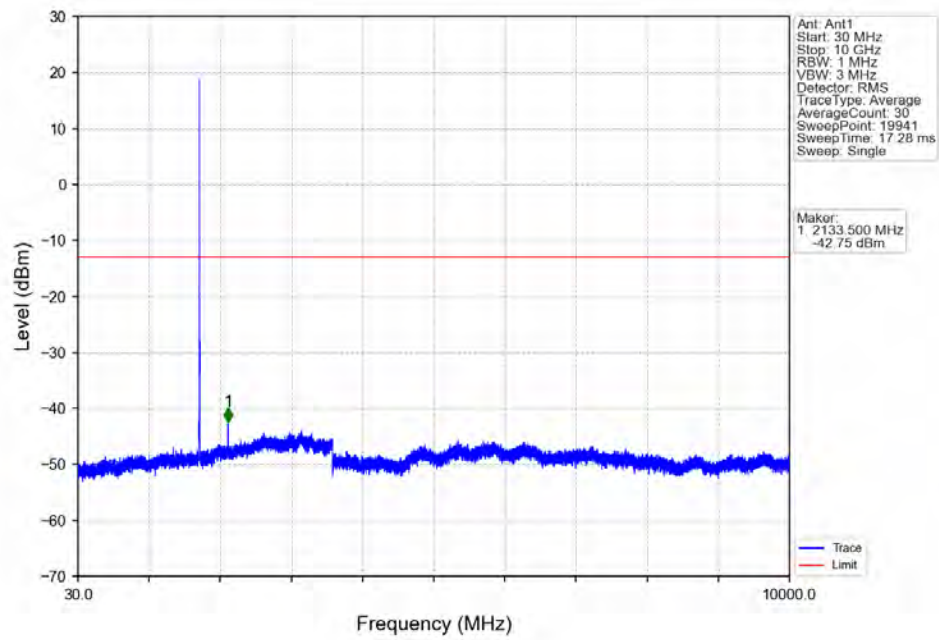
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



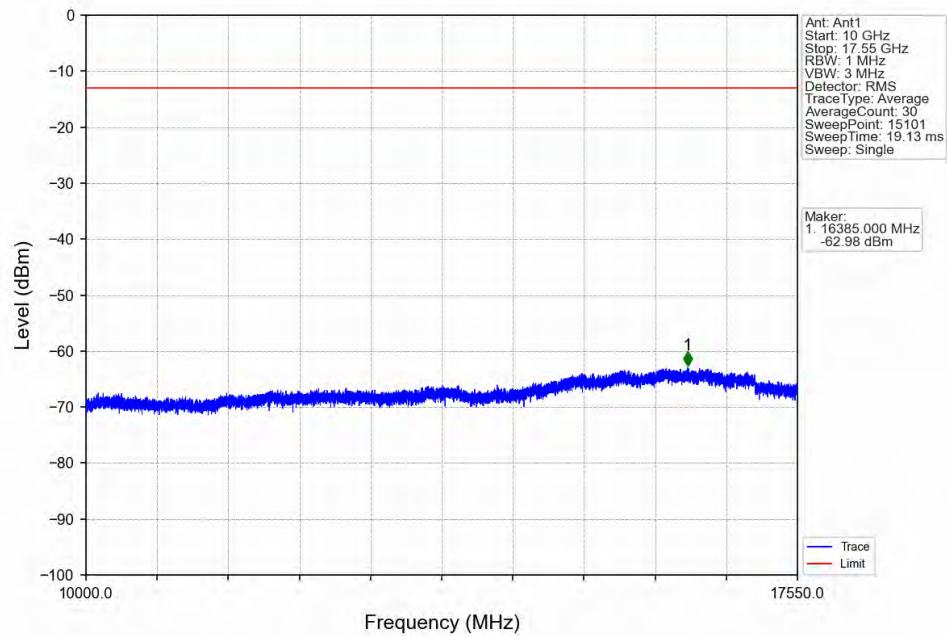
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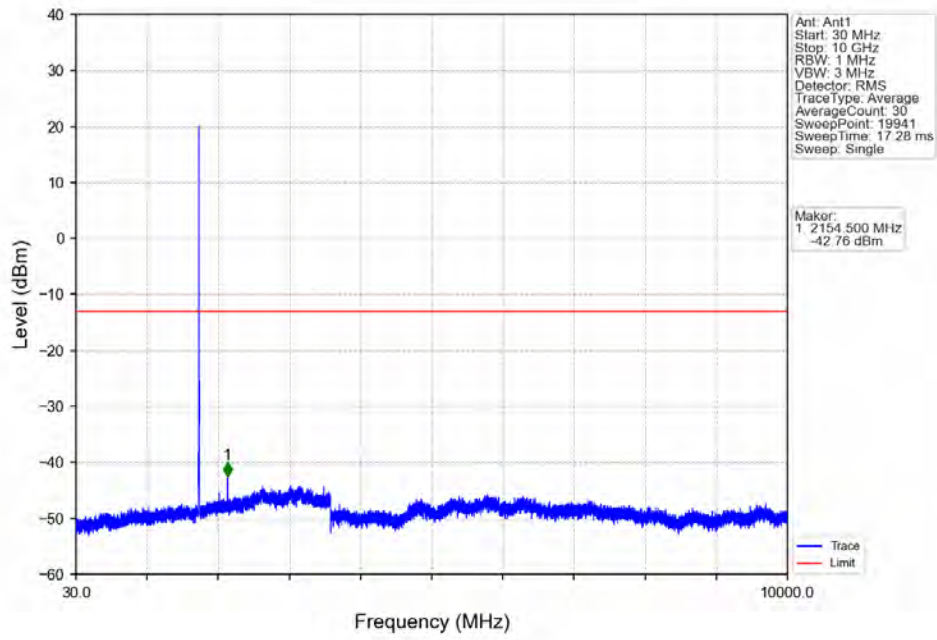
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



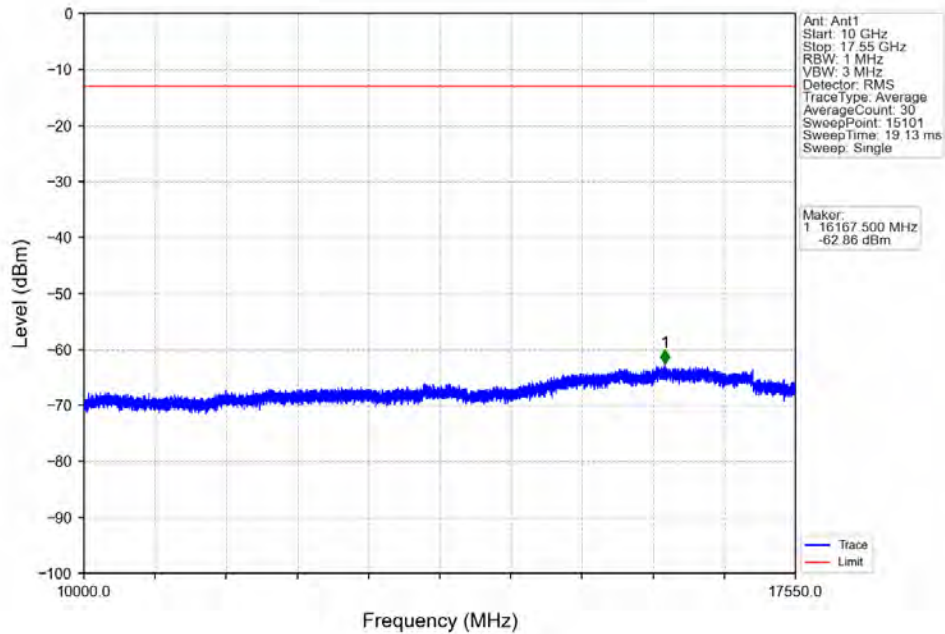
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



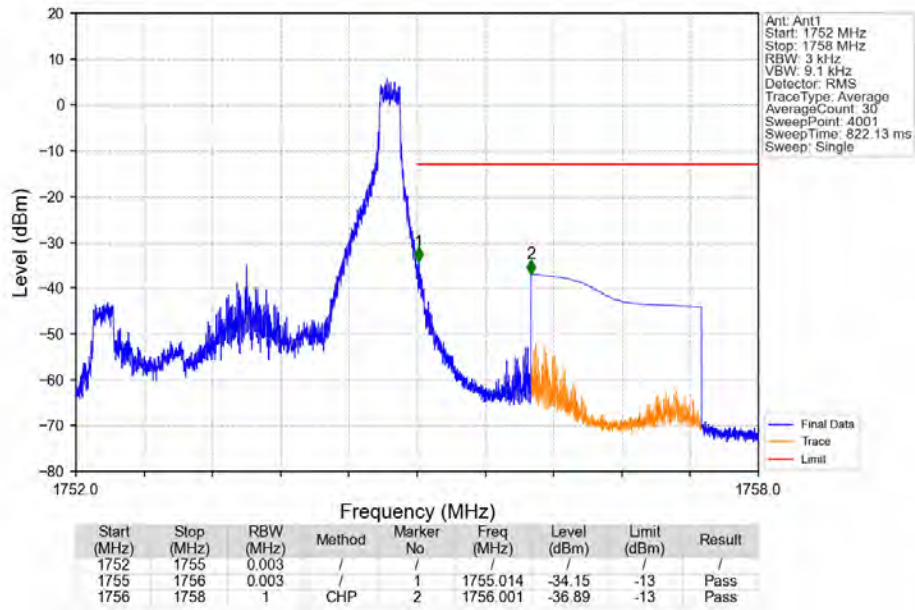
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTN



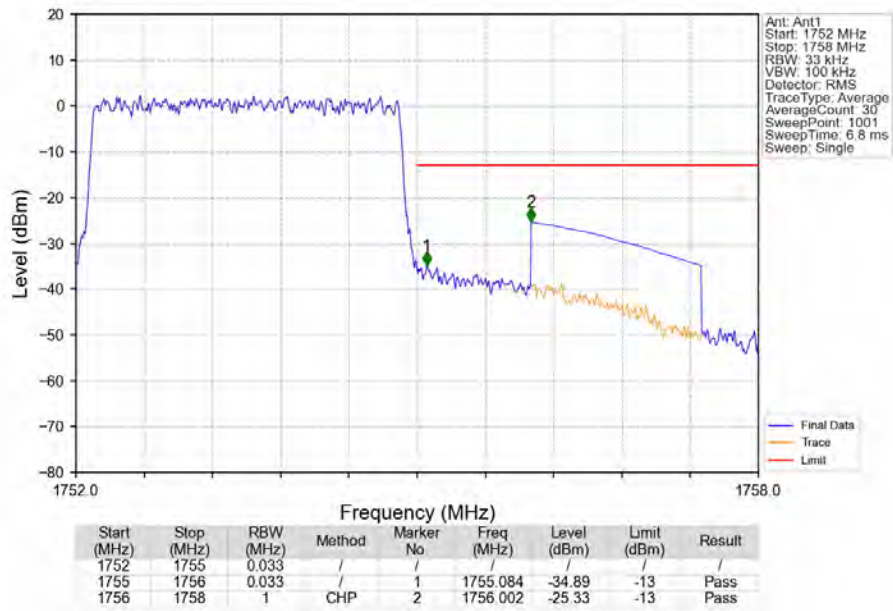
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTN



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



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

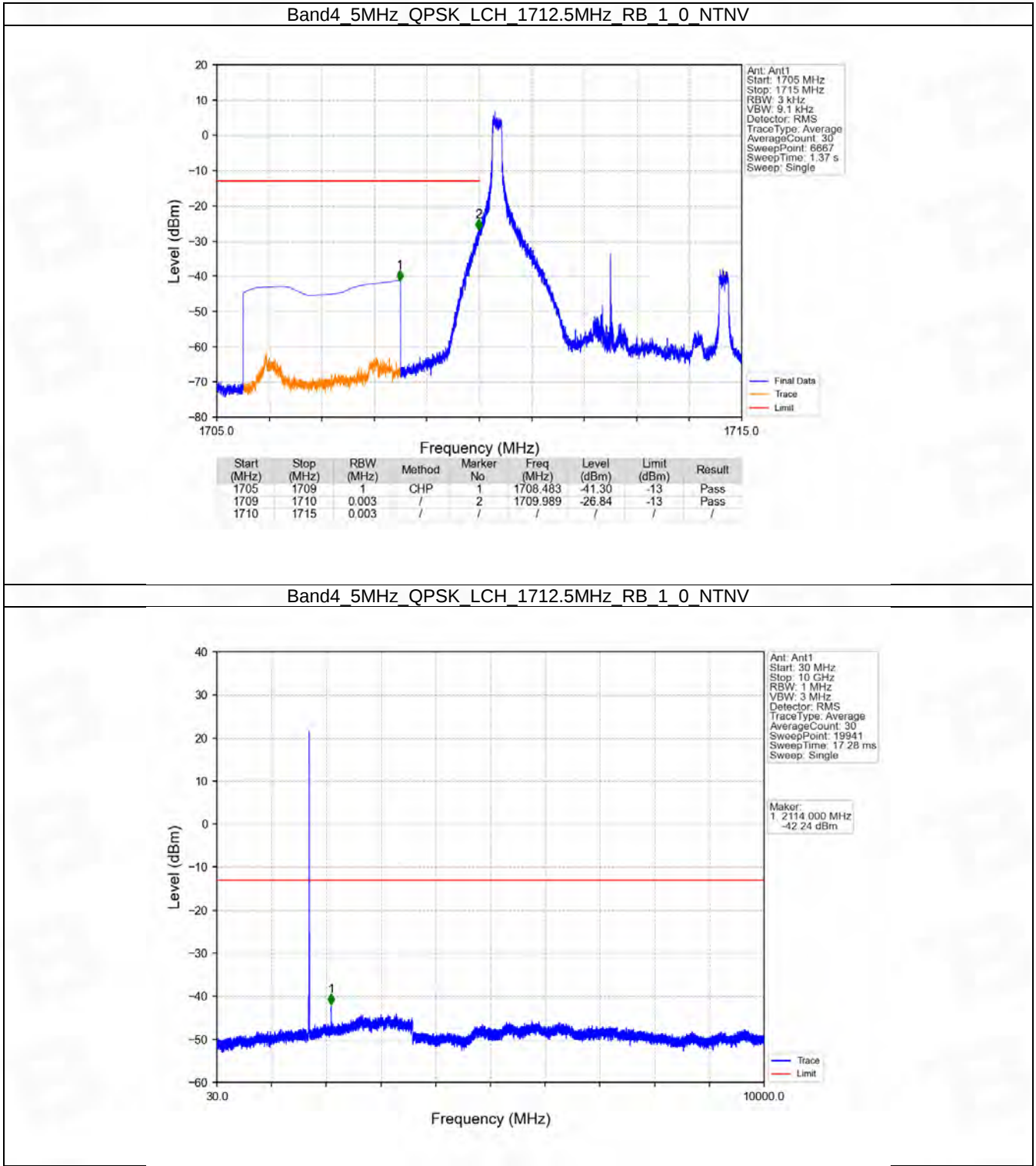


6.3 B4_5MHz

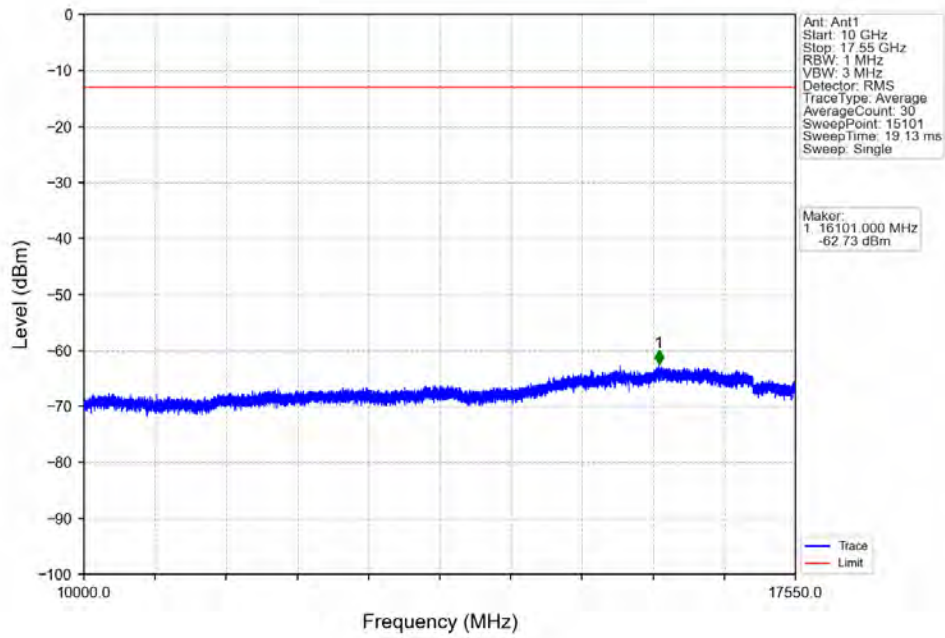
6.3.1 Test Result

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

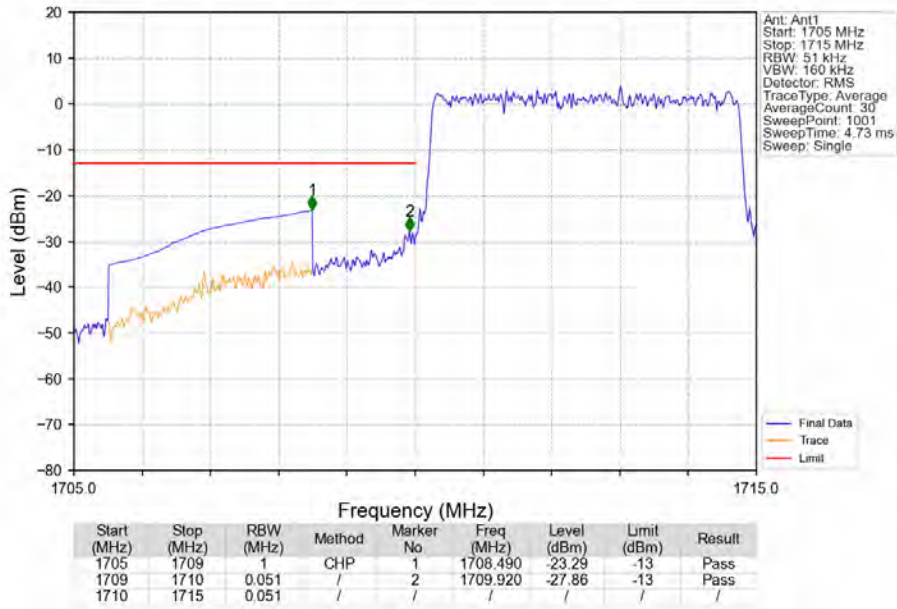
6.3.2 Test Graph



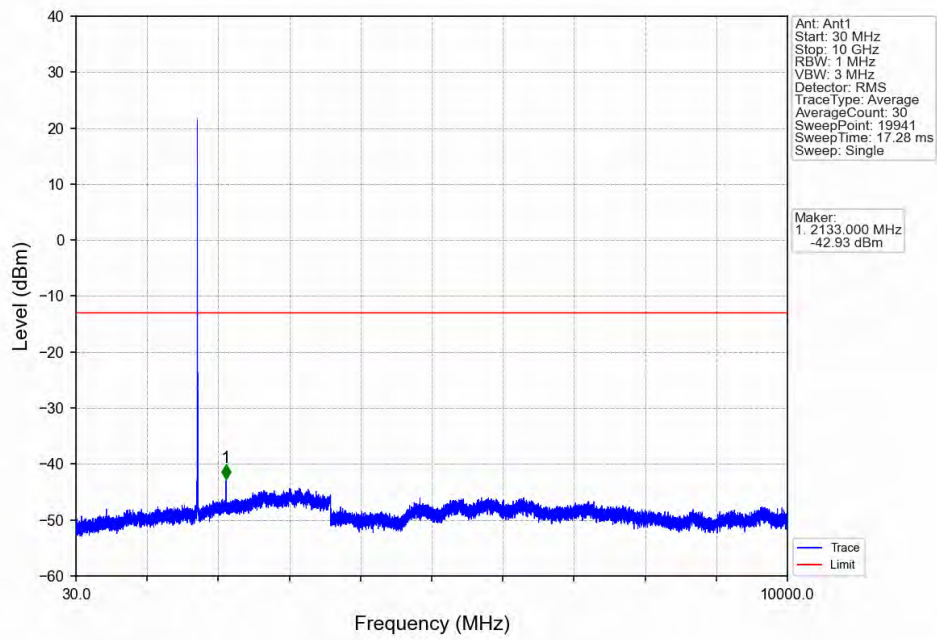
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV



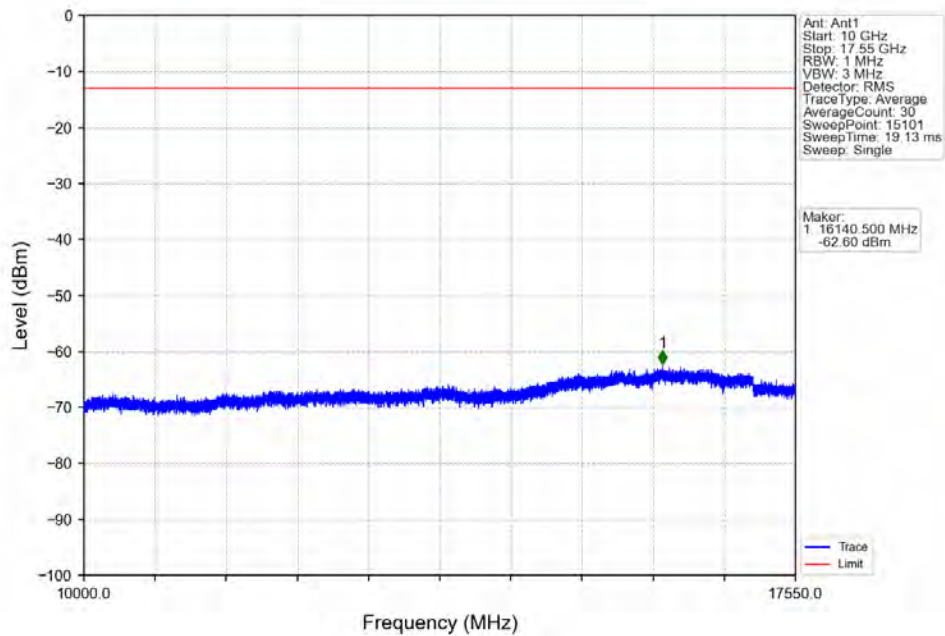
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



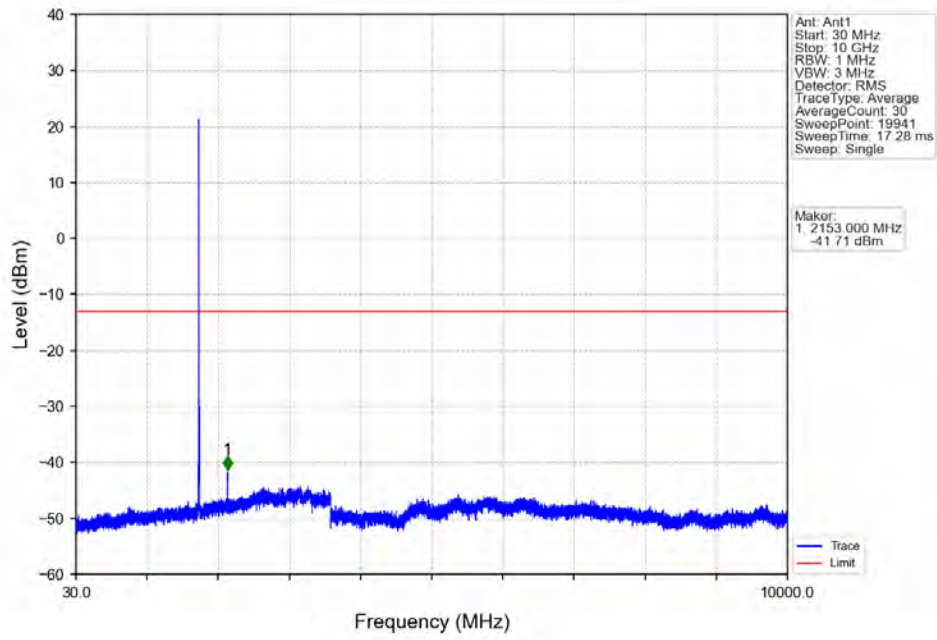
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



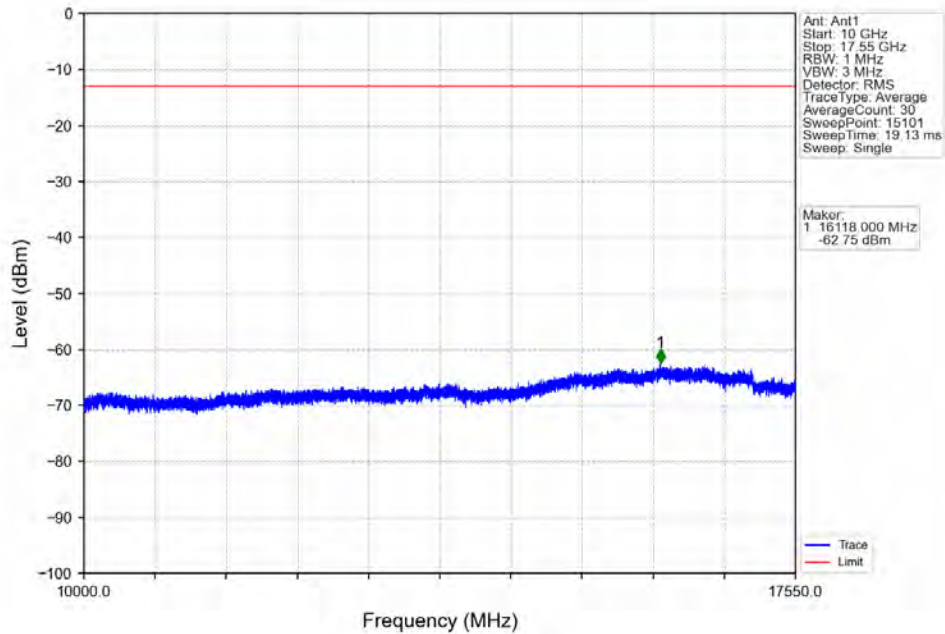
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



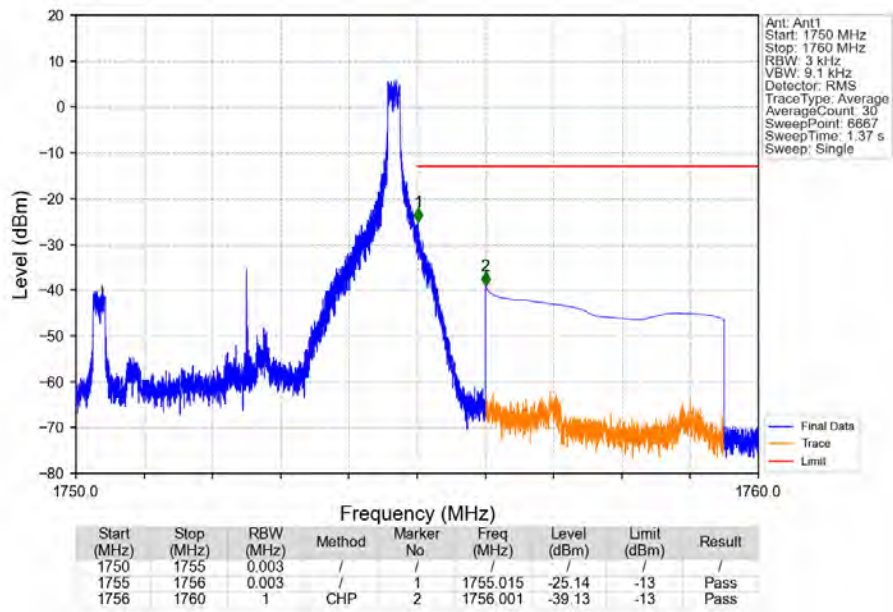
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



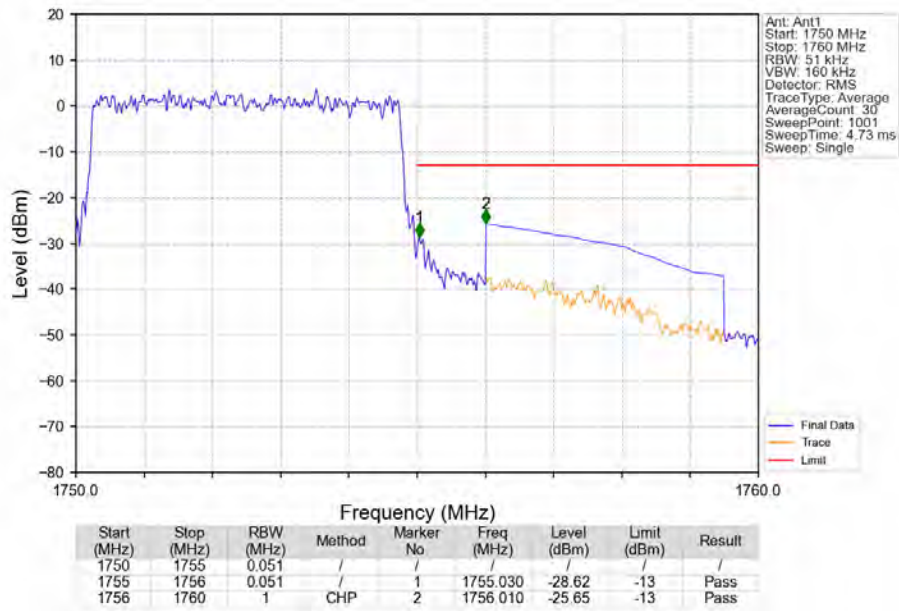
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



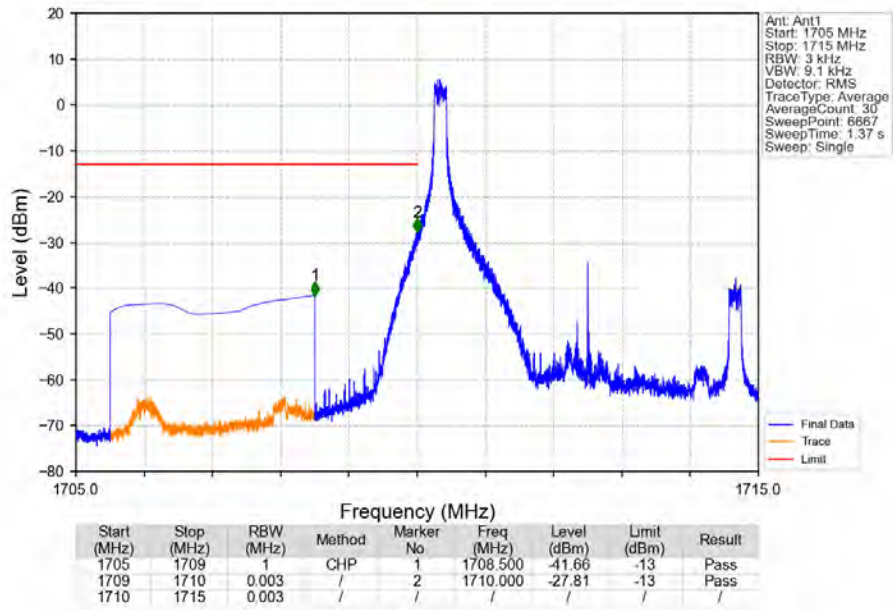
Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV



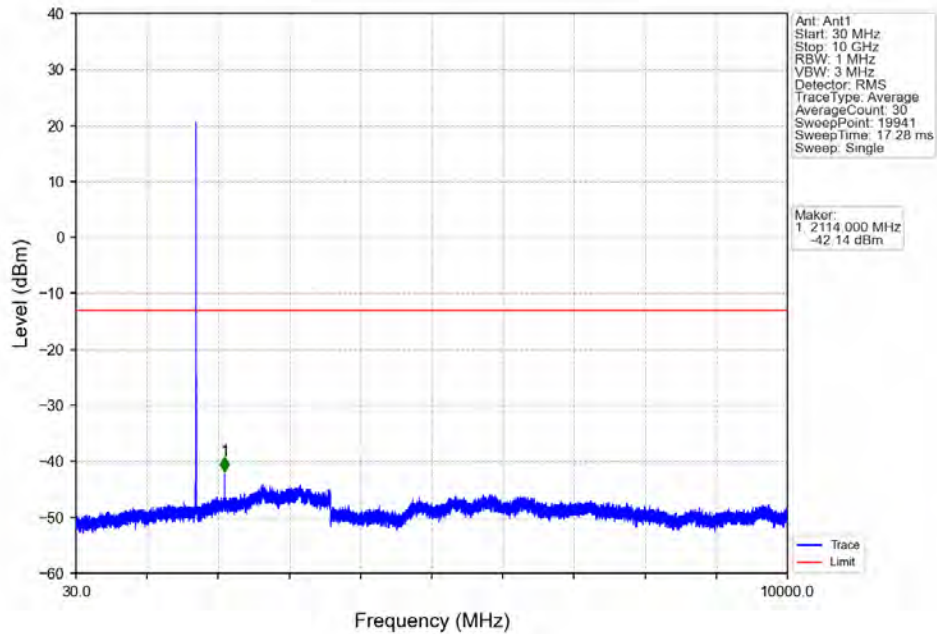
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV



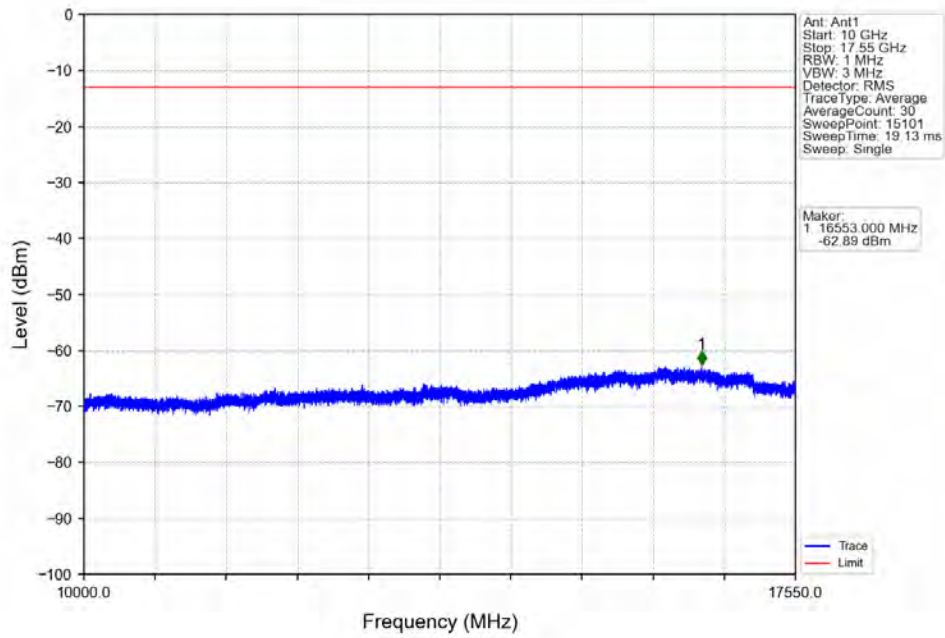
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTV



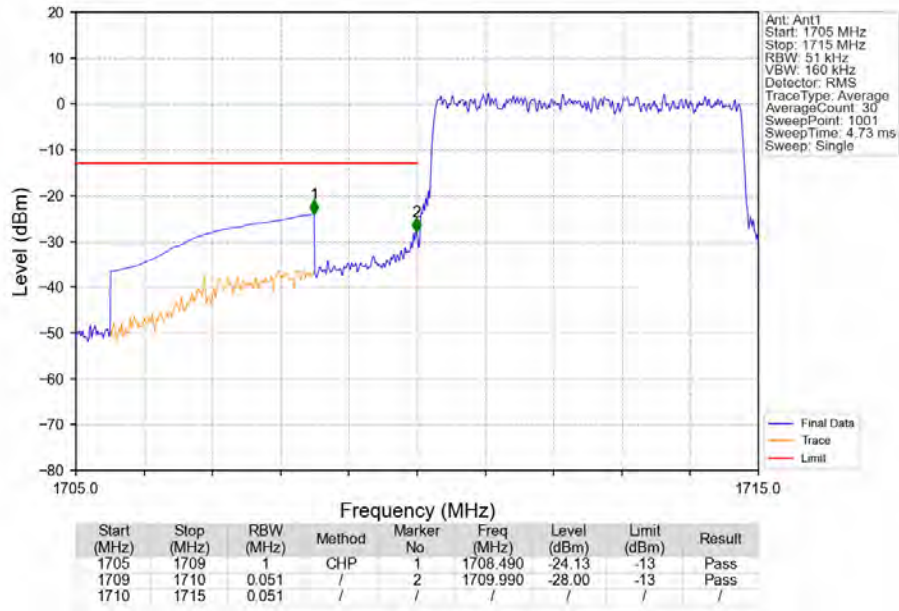
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTV



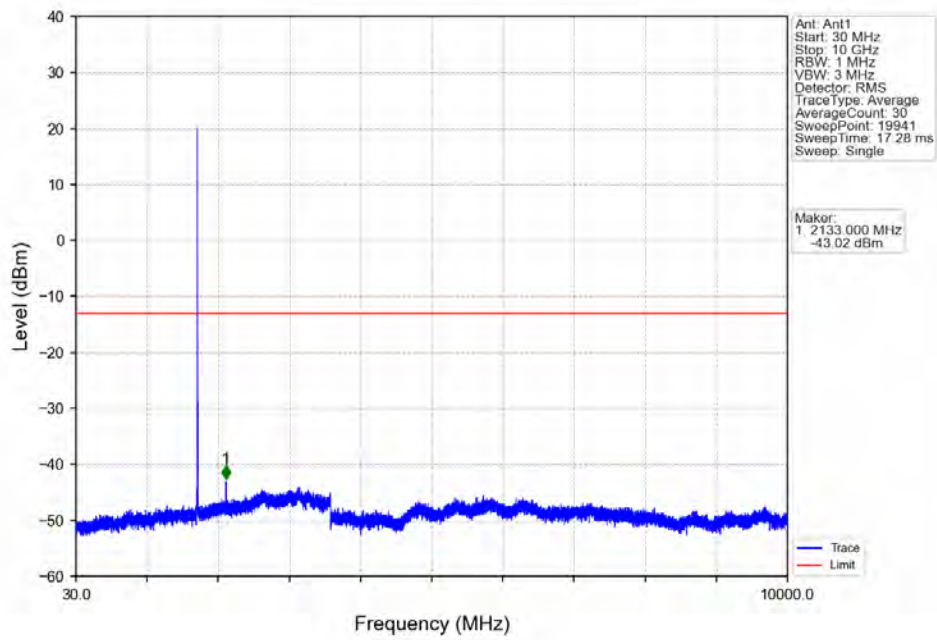
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



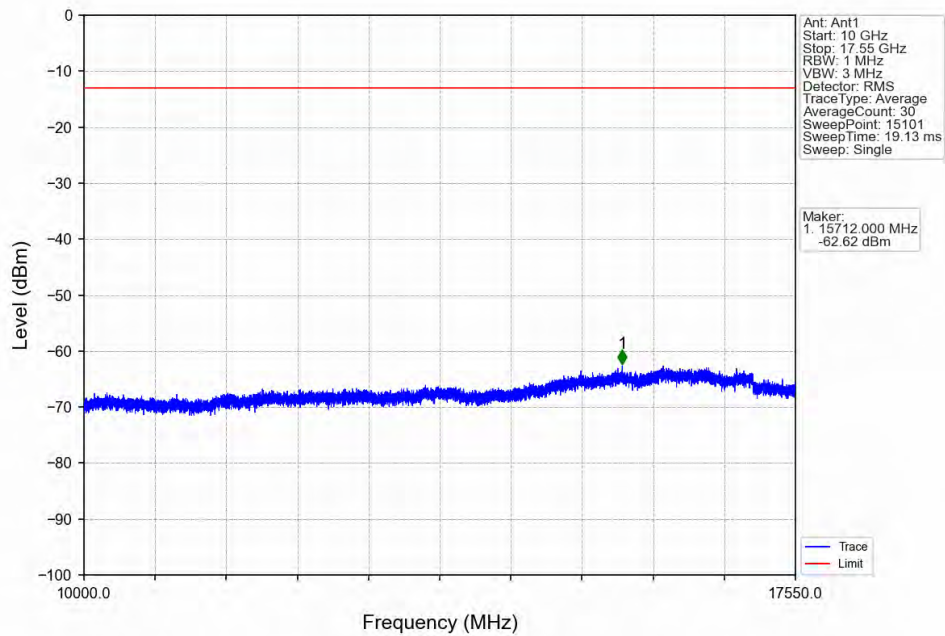
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



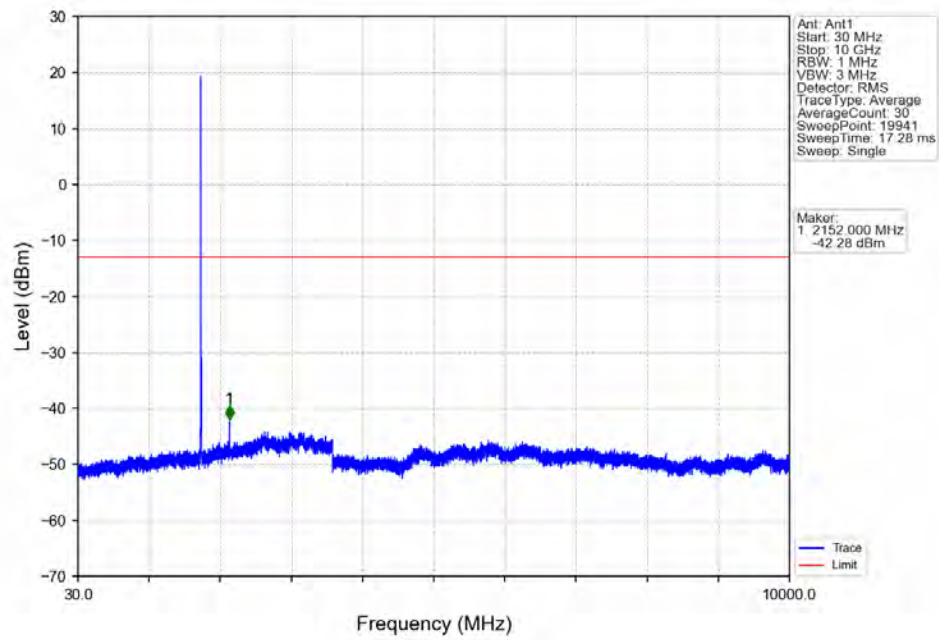
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



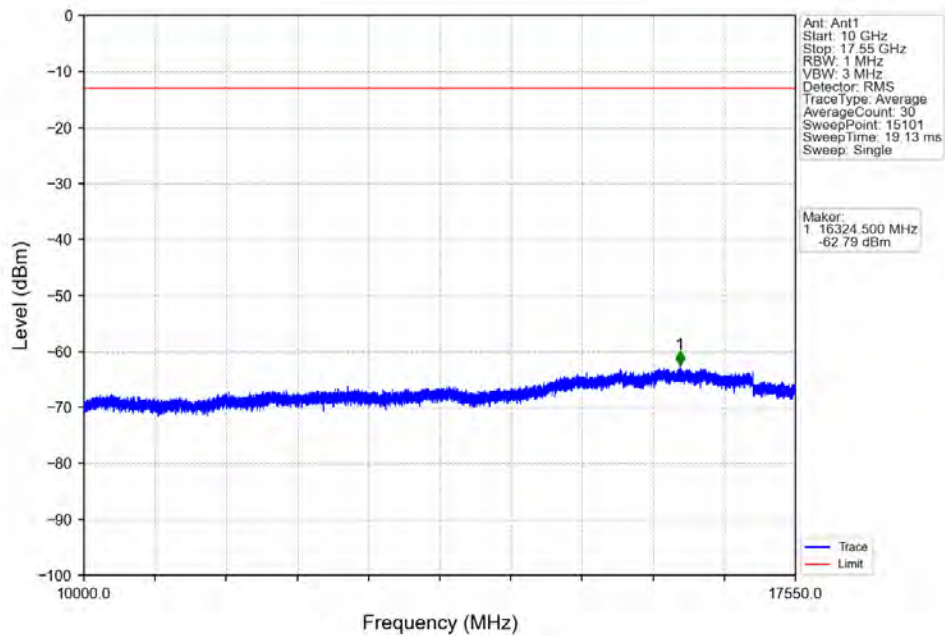
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



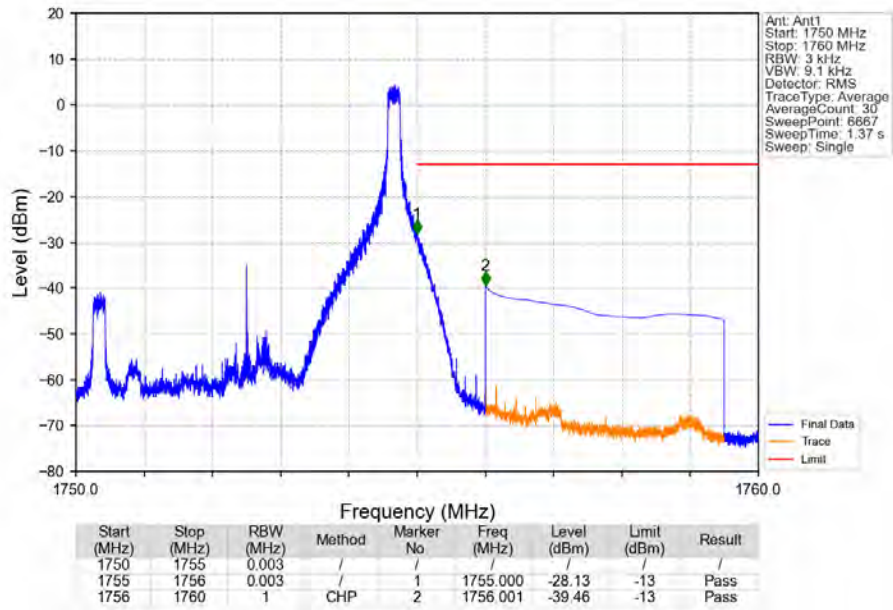
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTNV



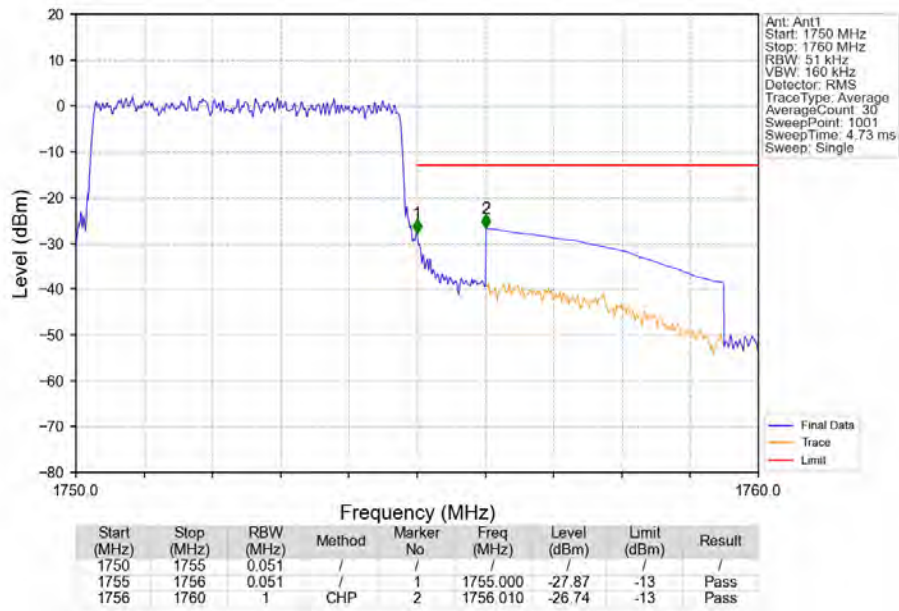
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTNV



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



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

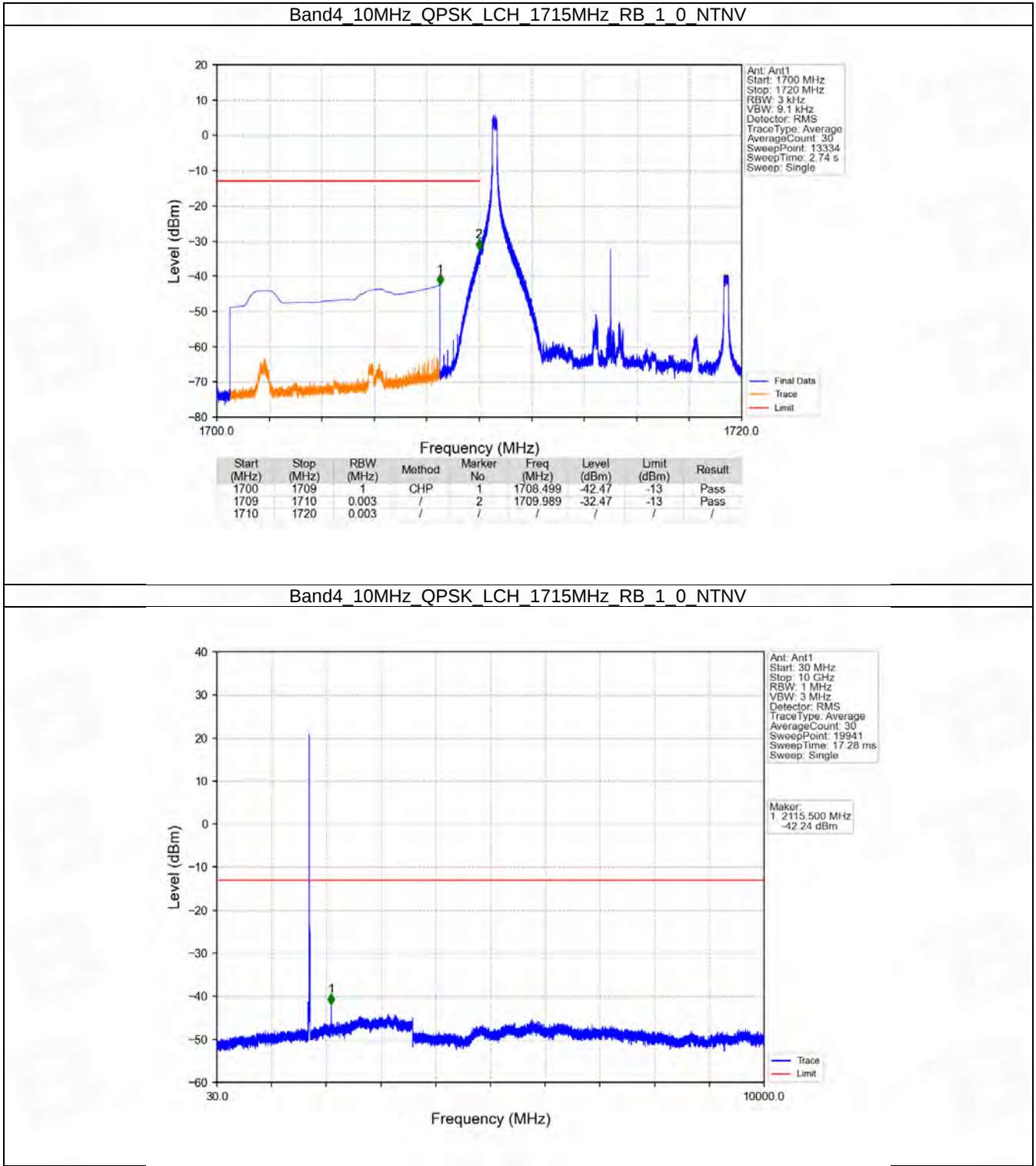


6.4 B4_10MHz

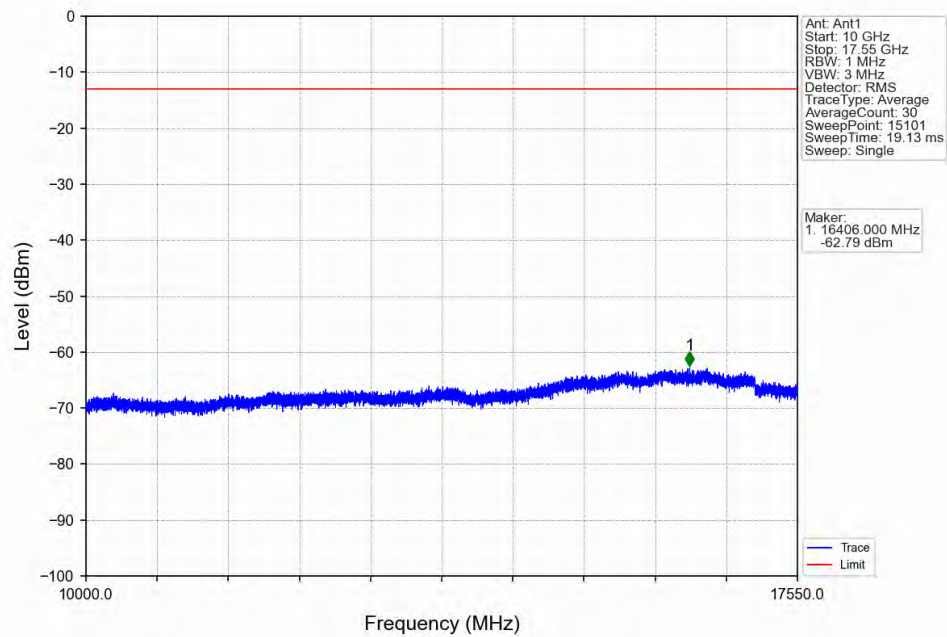
6.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / 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
		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

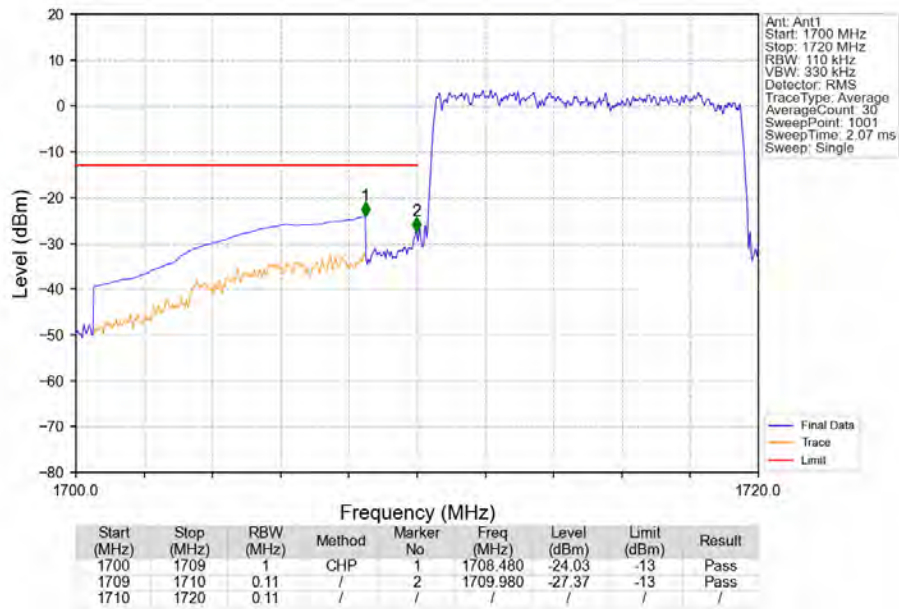
6.4.2 Test Graph



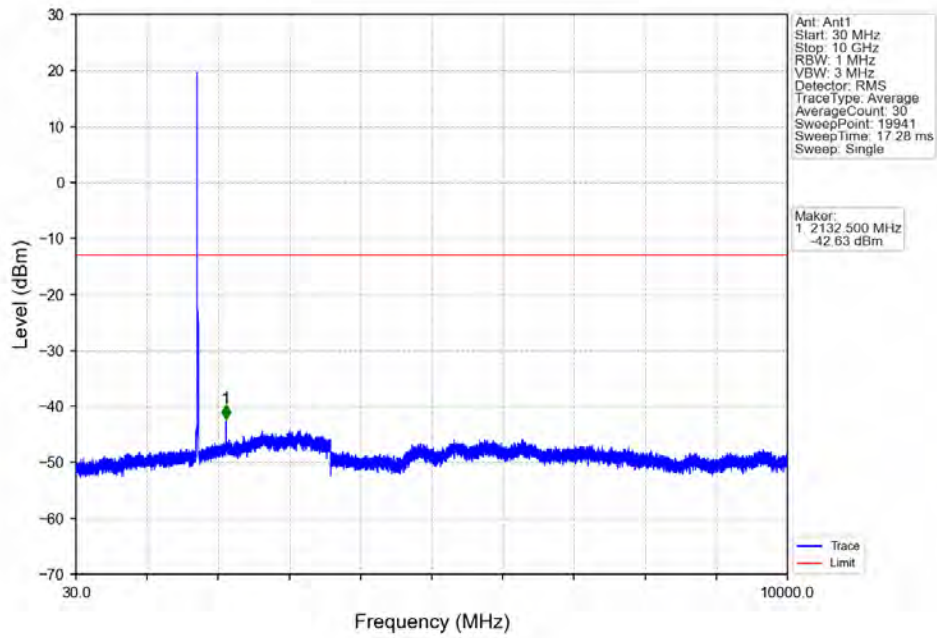
Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTNV



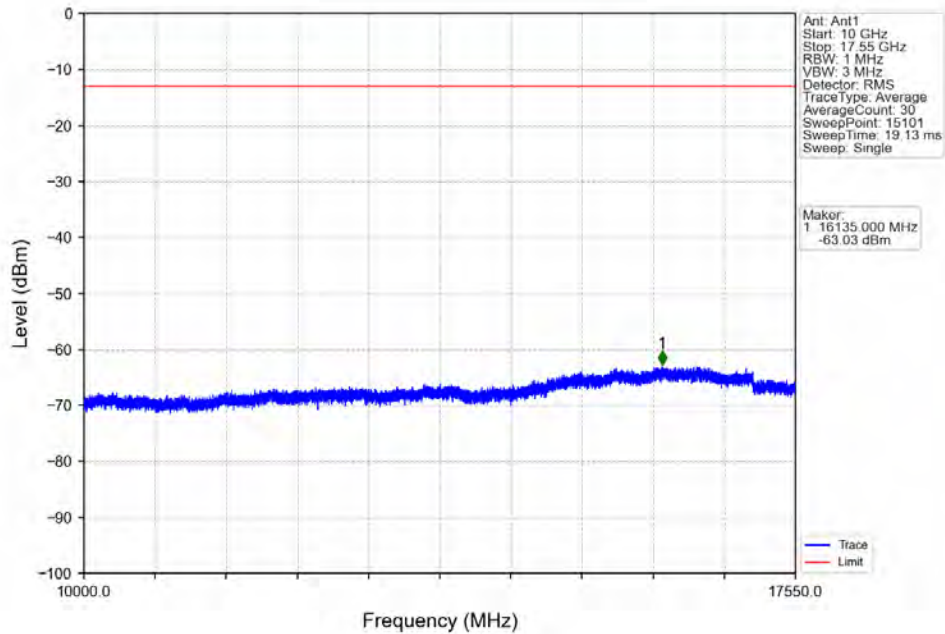
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



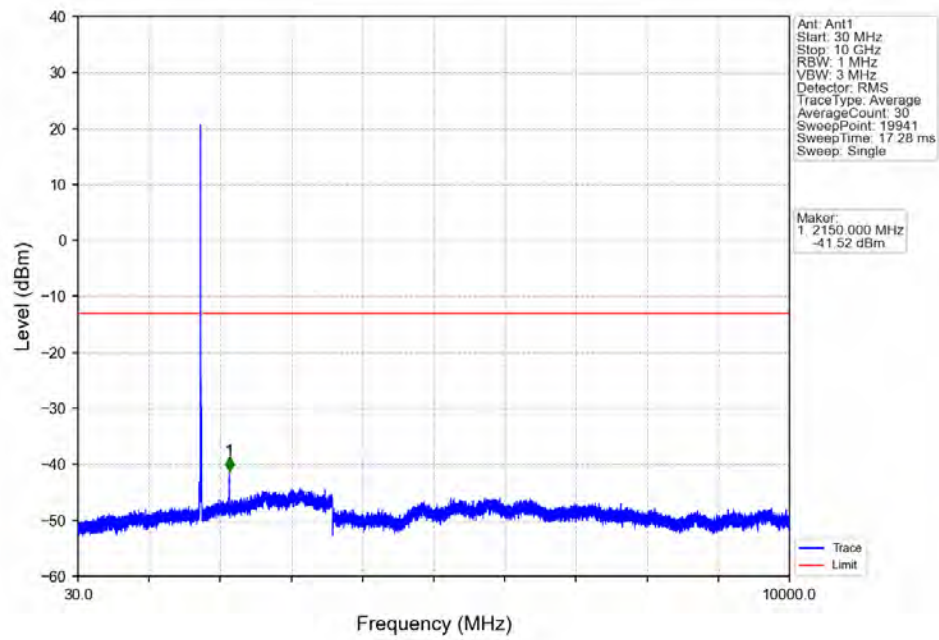
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



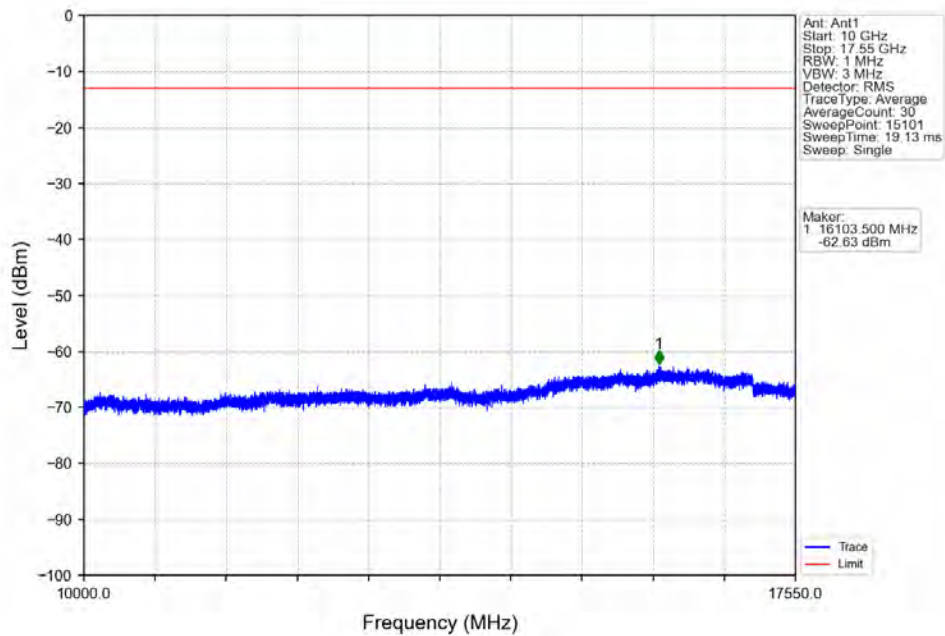
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



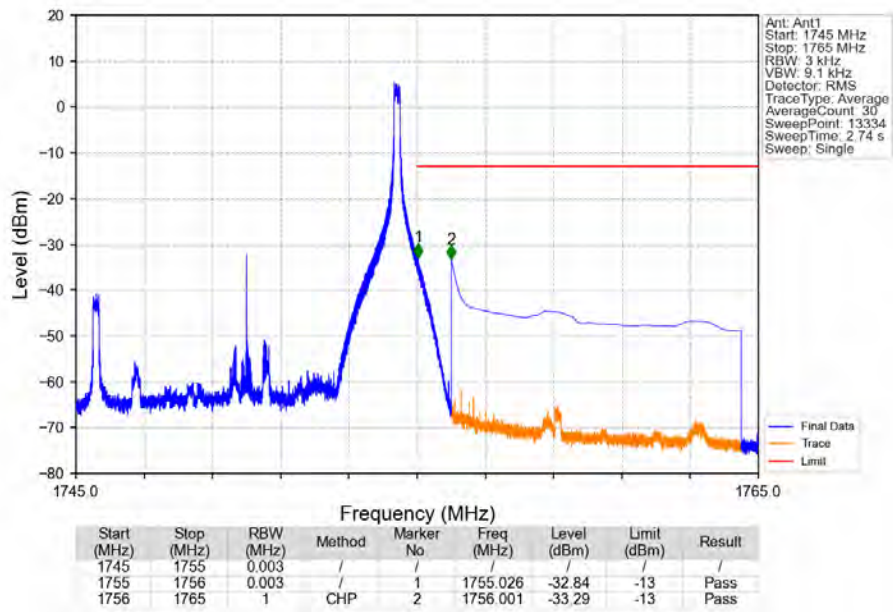
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



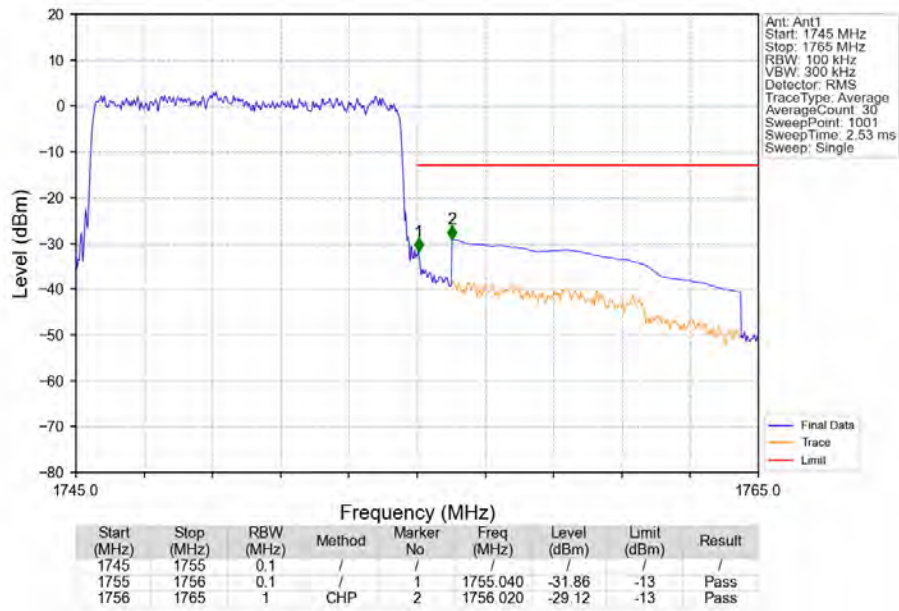
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



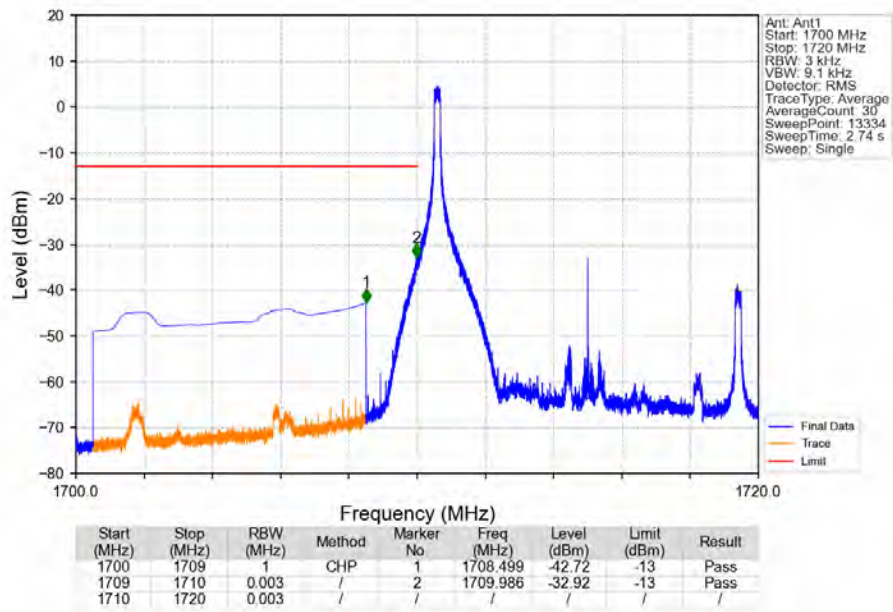
Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



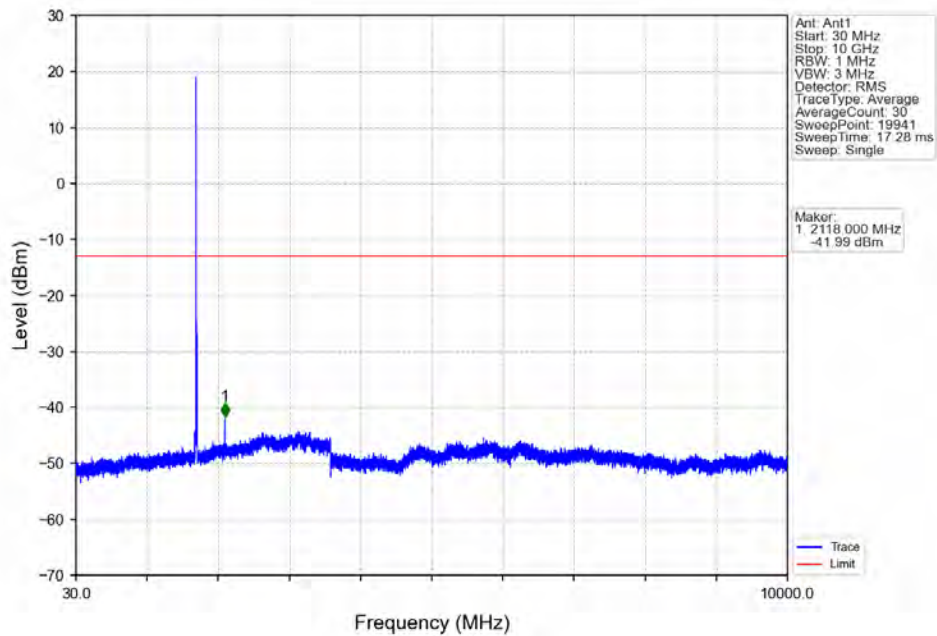
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



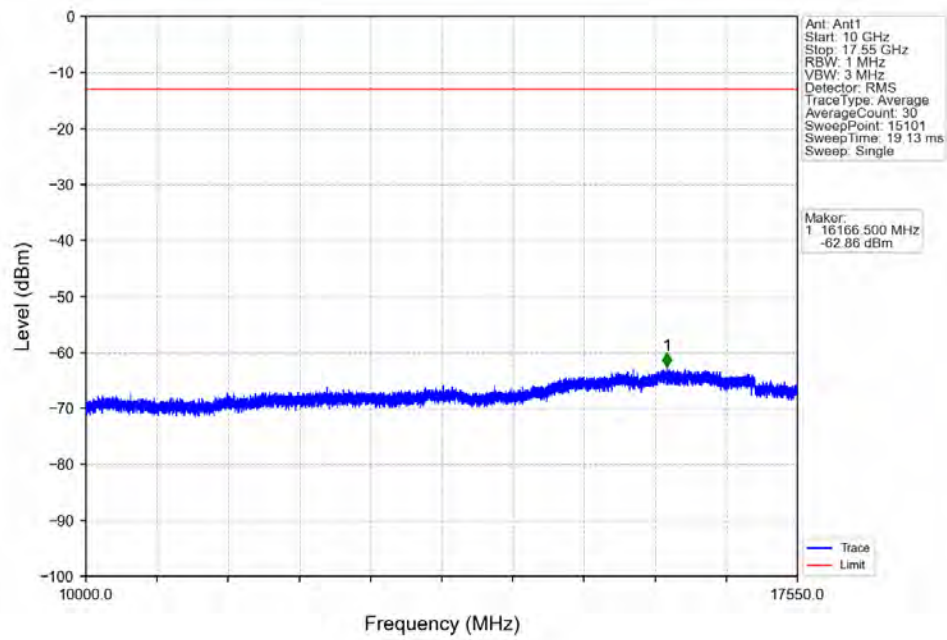
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



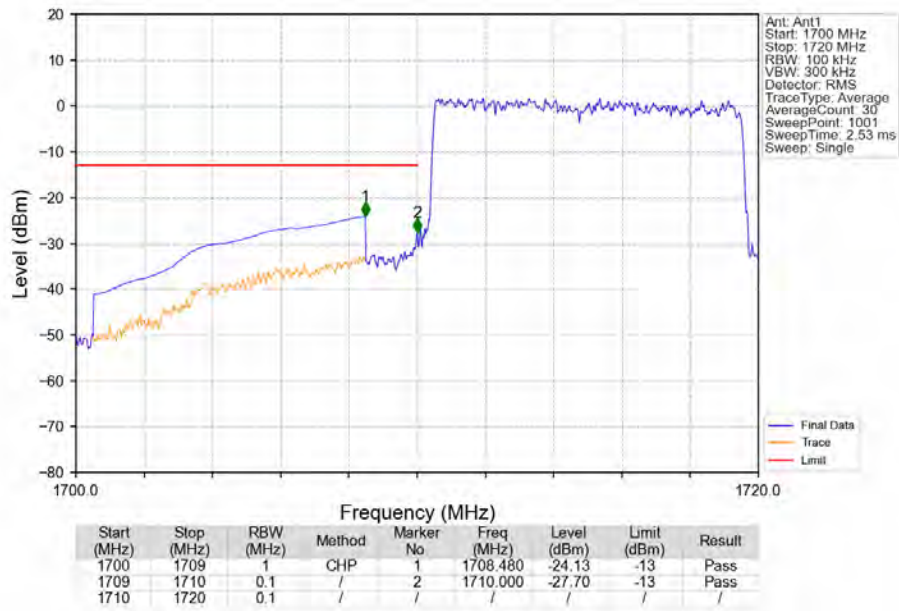
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



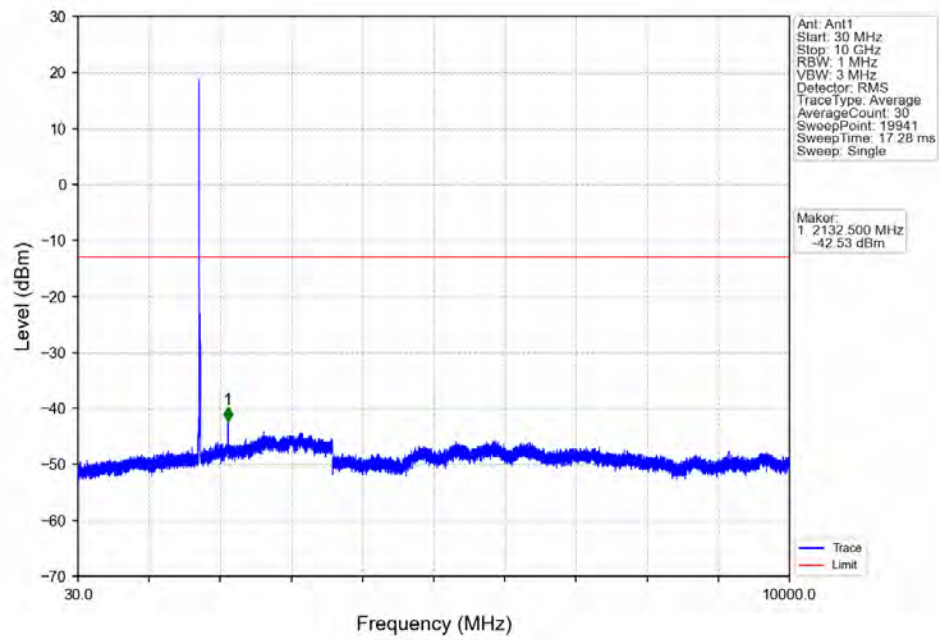
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



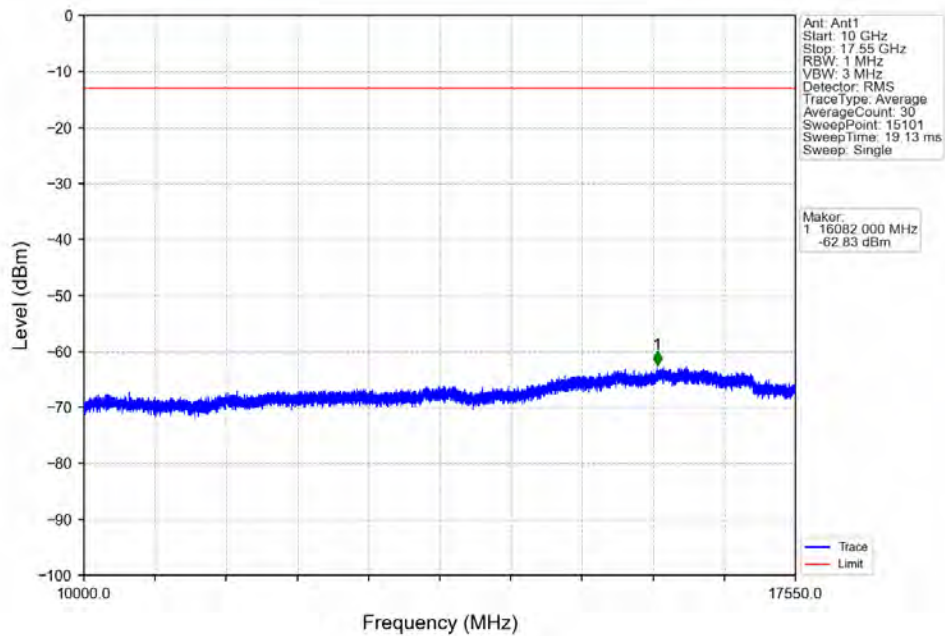
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



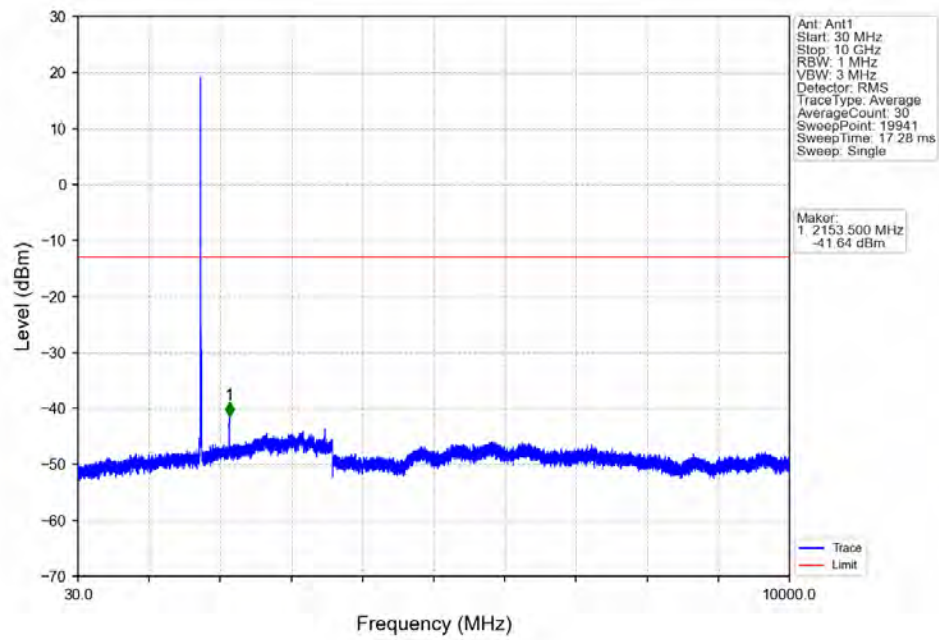
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



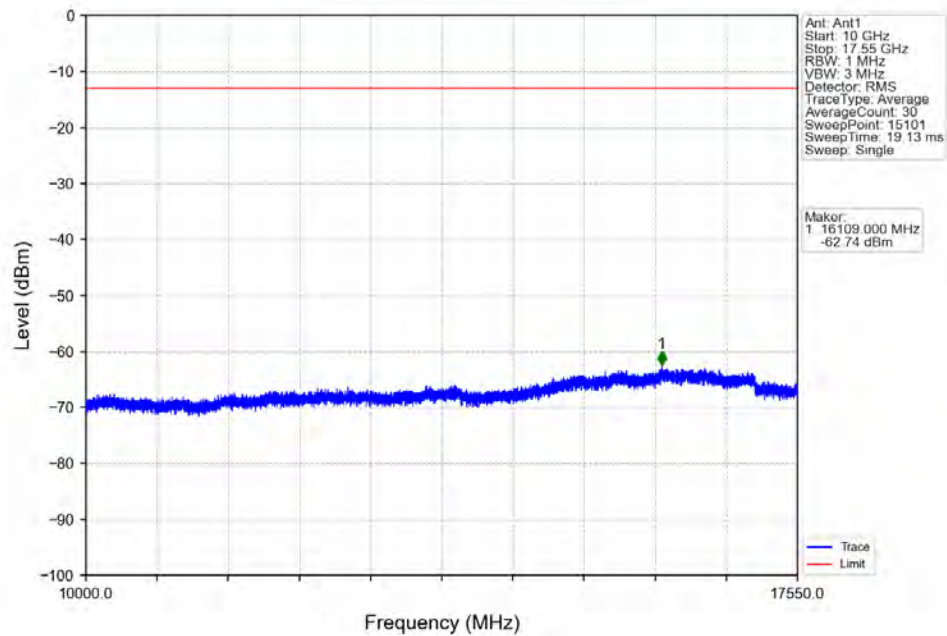
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



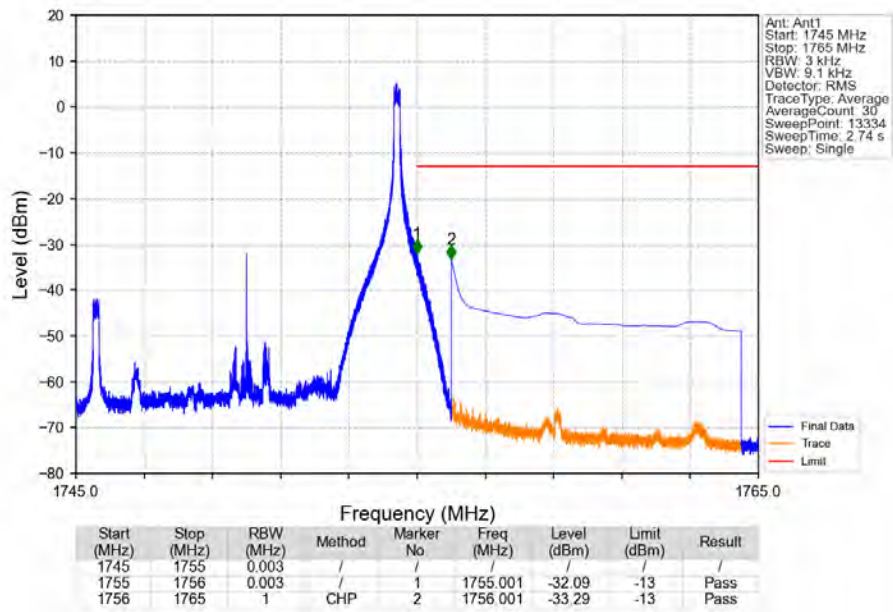
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



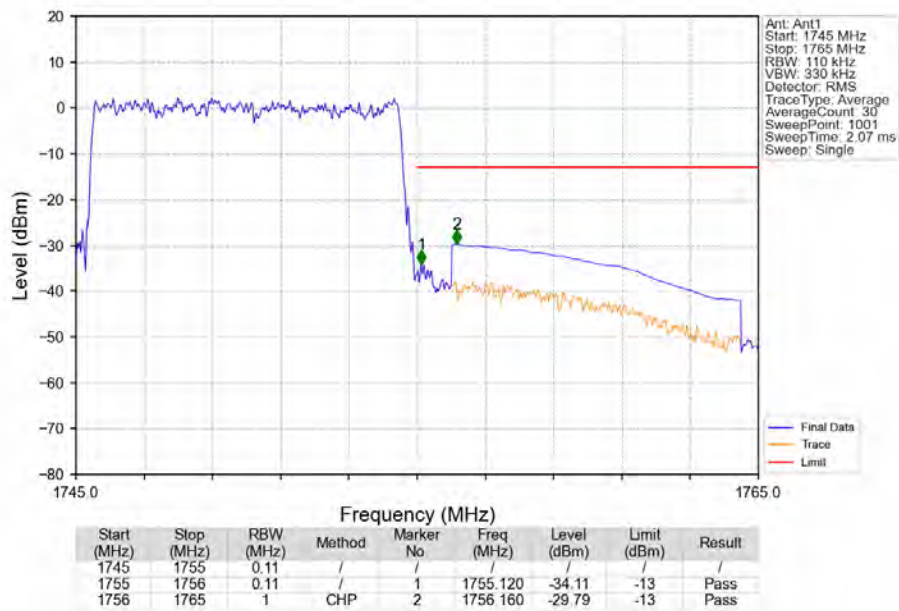
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



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



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

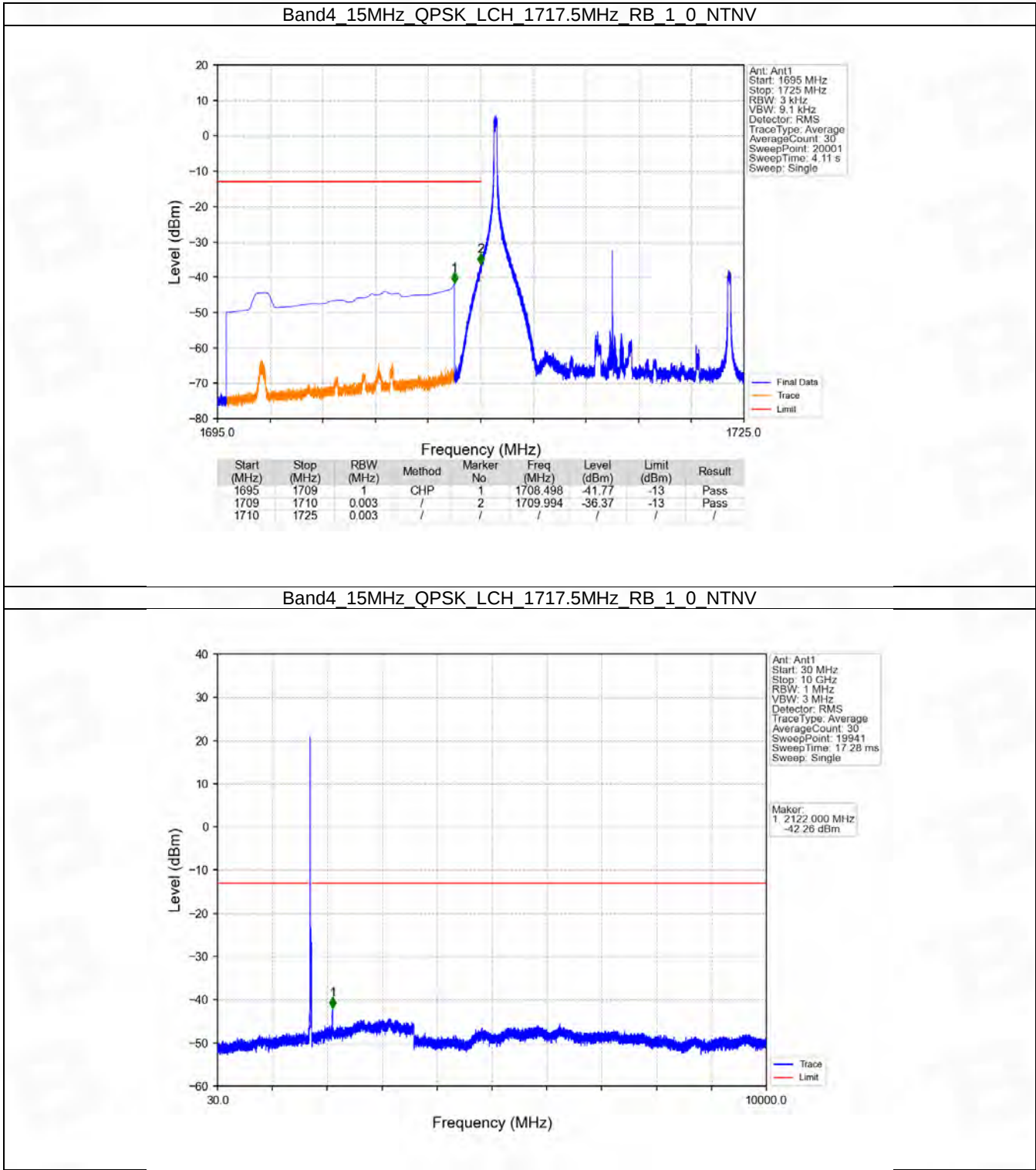


6.5 B4_15MHz

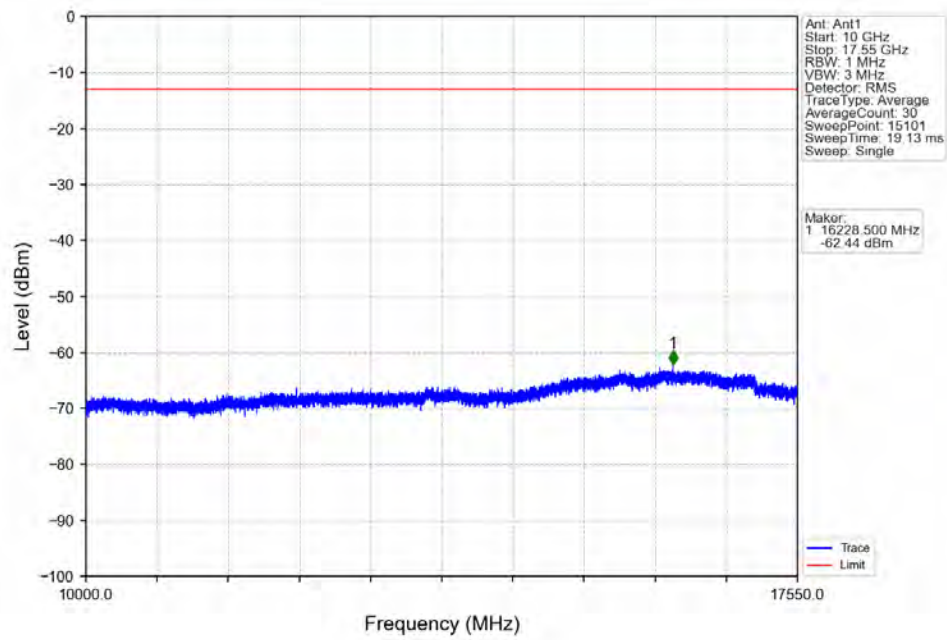
6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV						
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

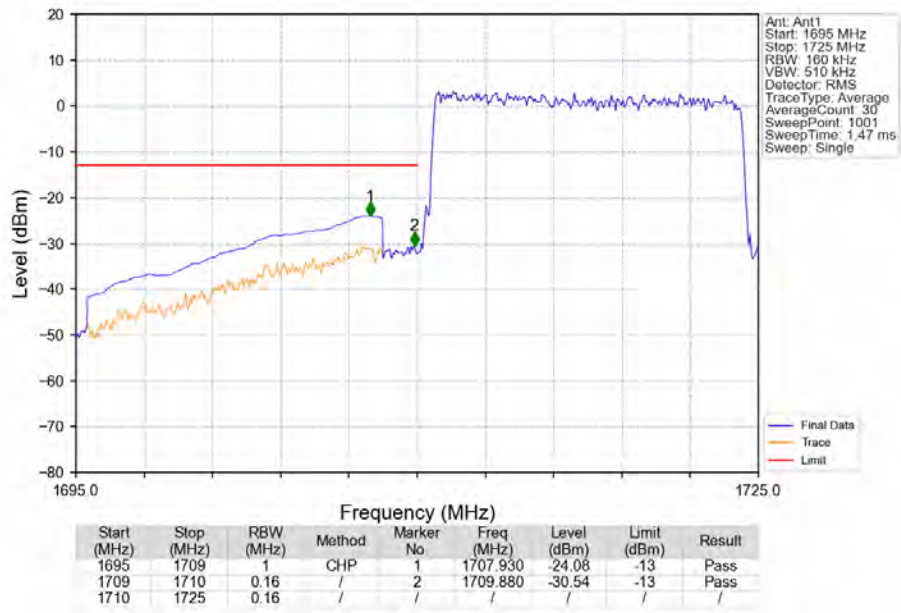
6.5.2 Test Graph



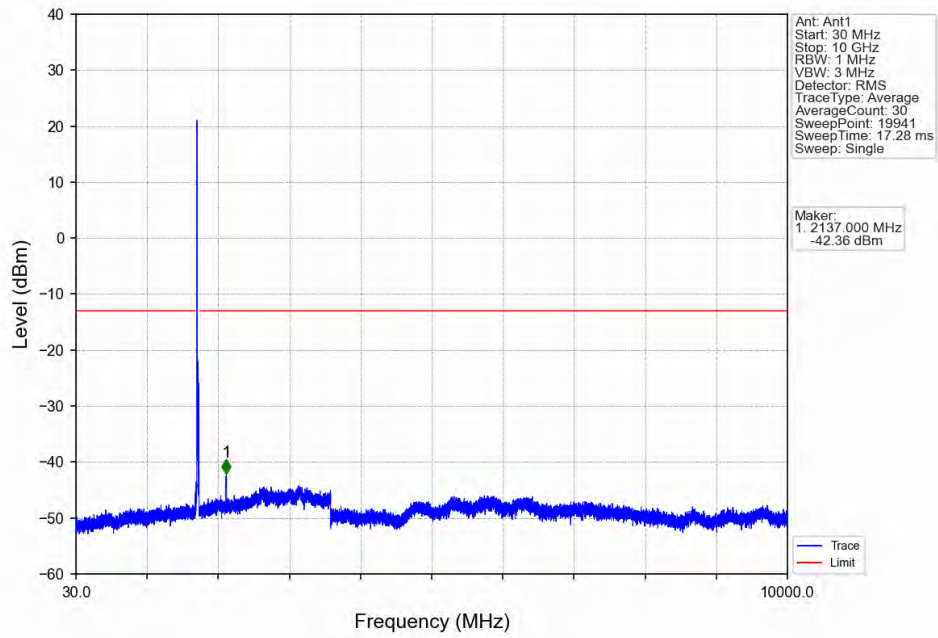
Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV



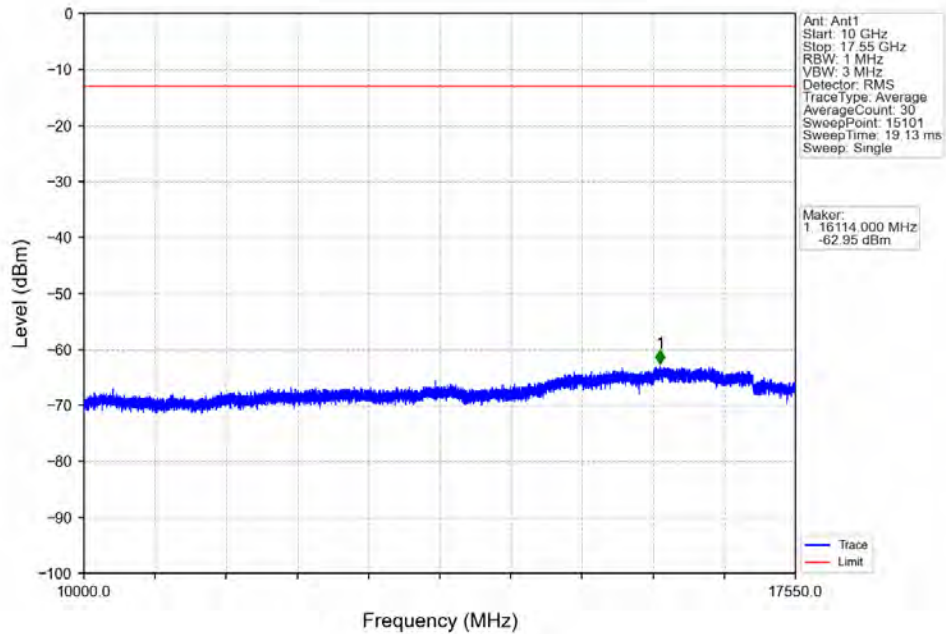
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



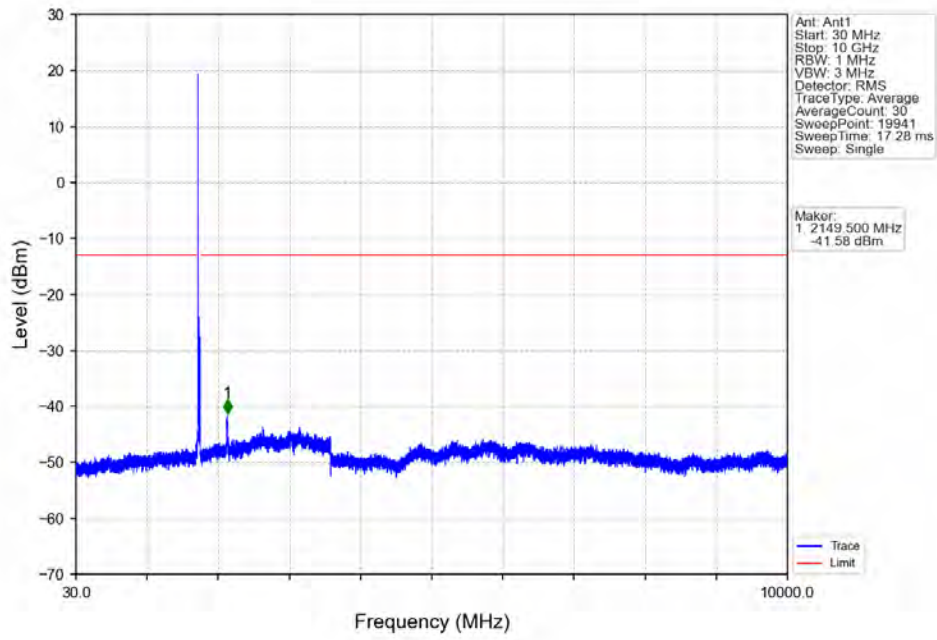
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



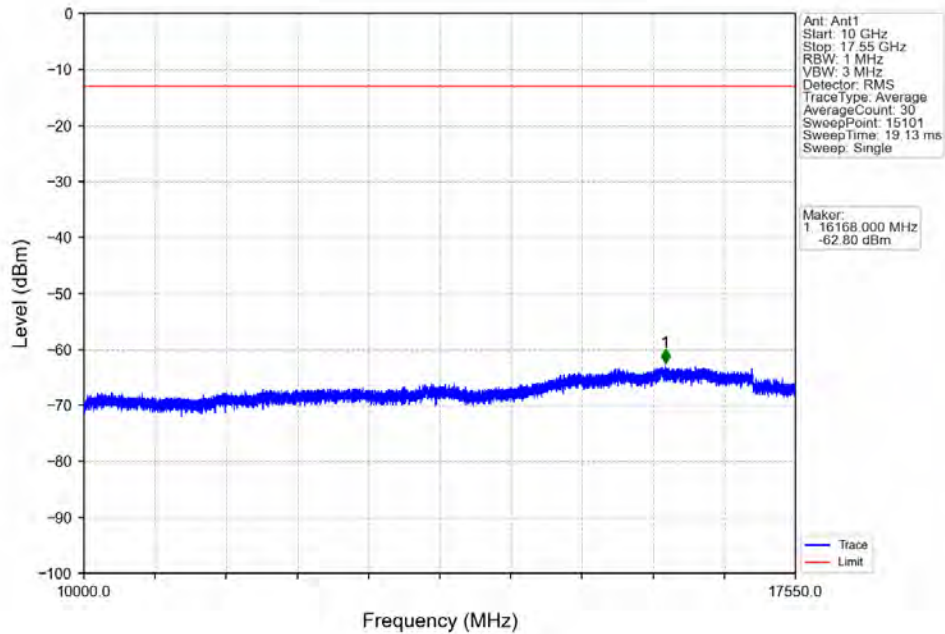
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



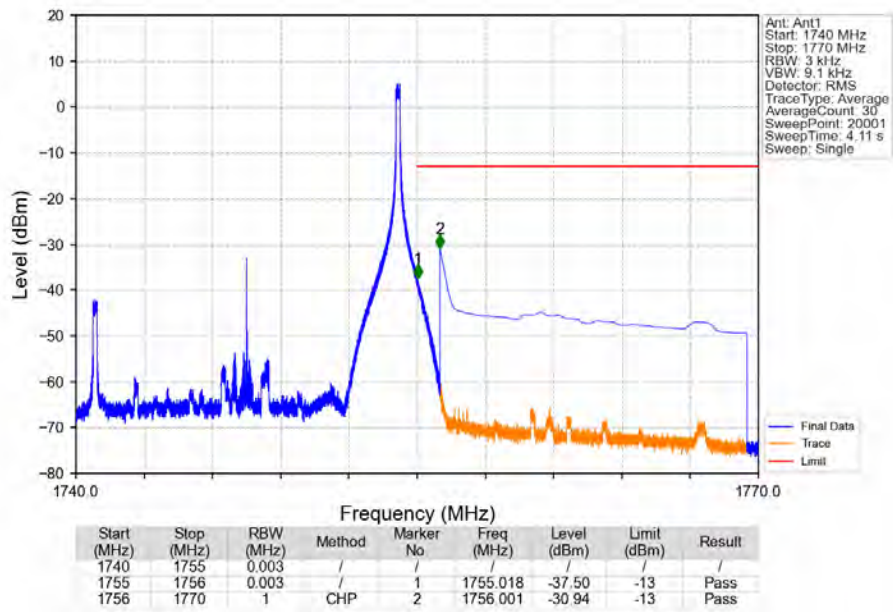
Band4 15MHz QPSK HCH 1747.5MHz RB 1.0 NTNV



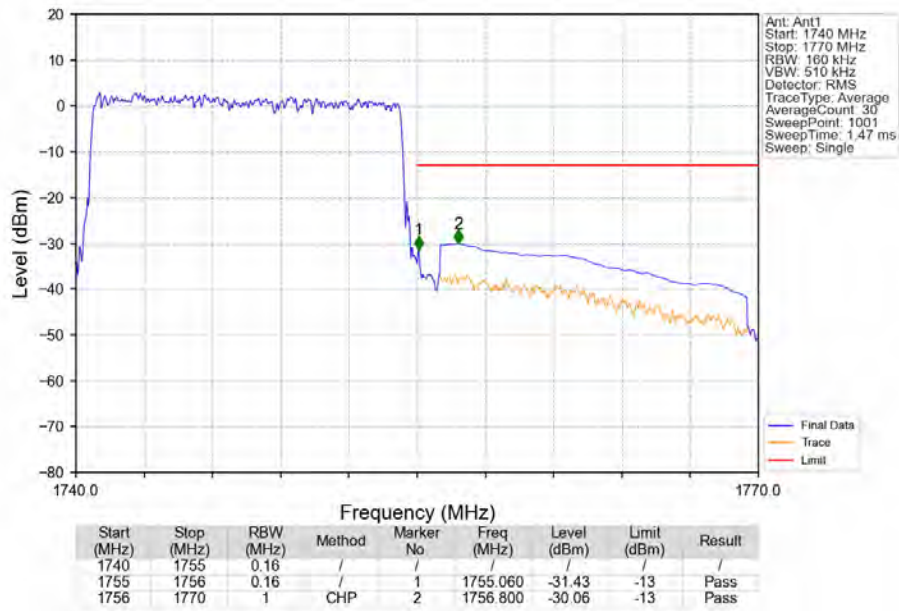
Band4 15MHz QPSK HCH 1747.5MHz RB 1.0 NTNV



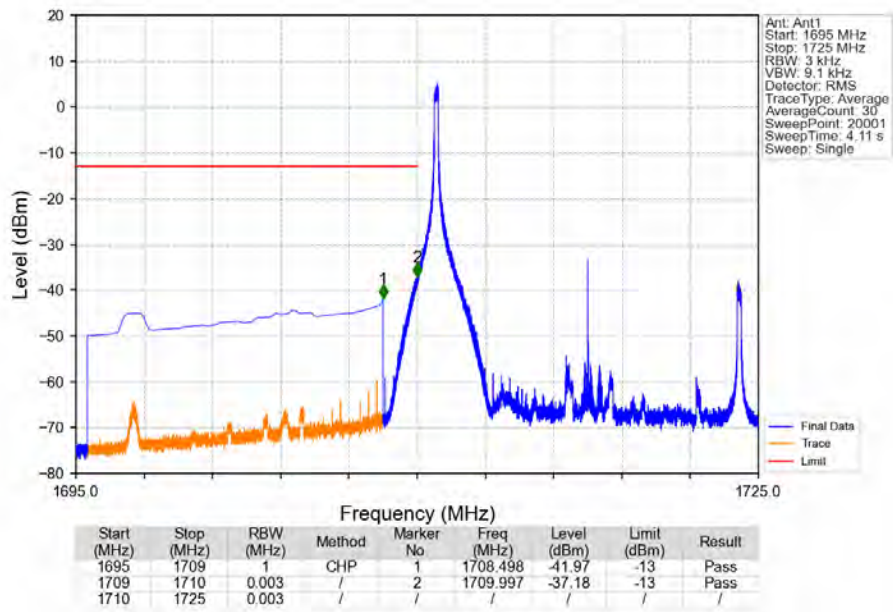
Band4_15MHz QPSK HCH 1747.5MHz RB 1 74 NTV



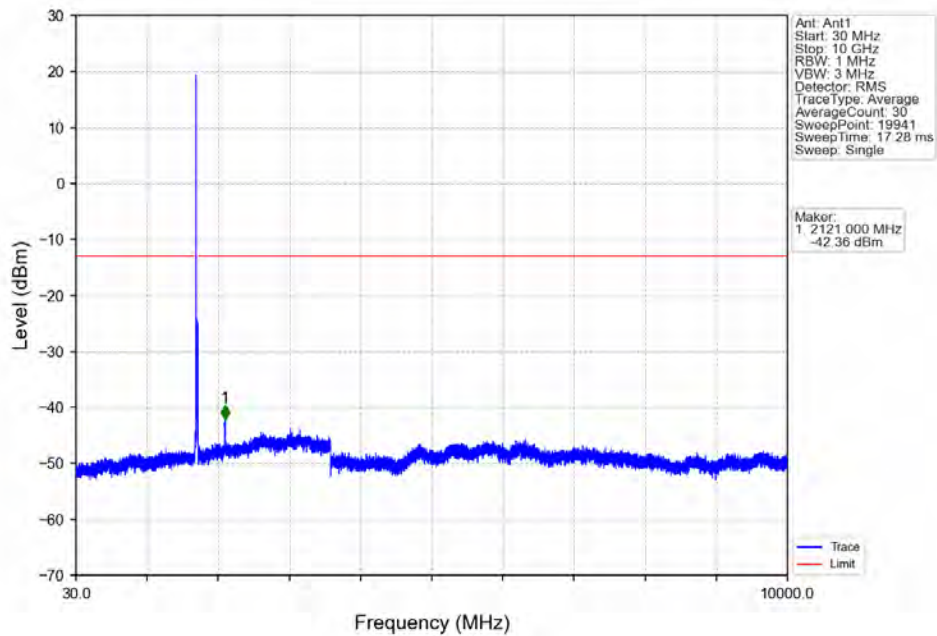
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTV



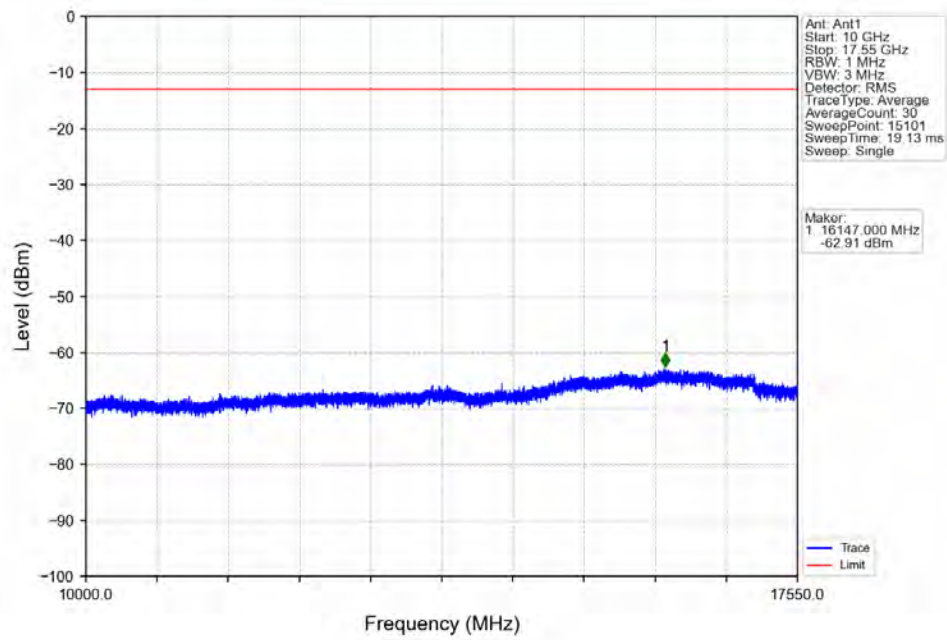
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



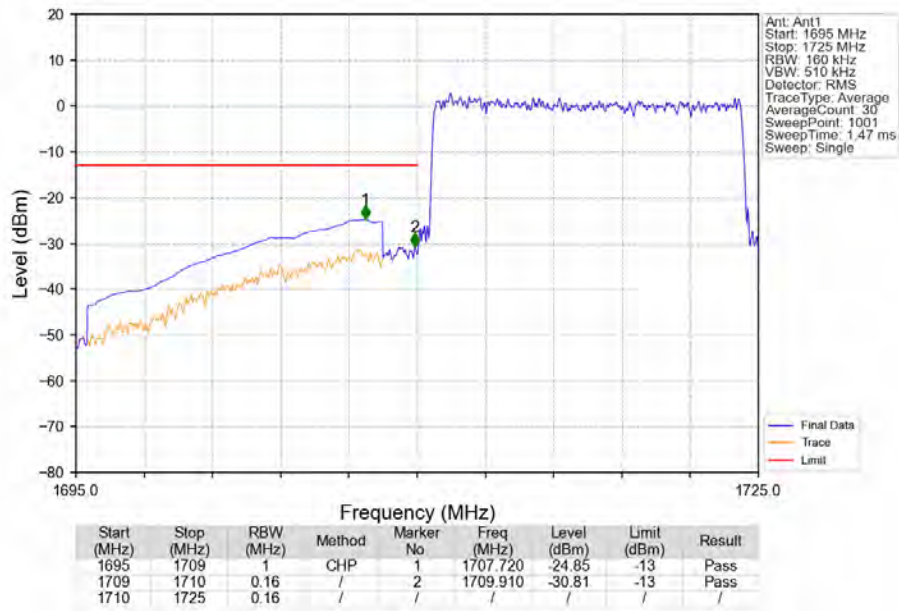
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



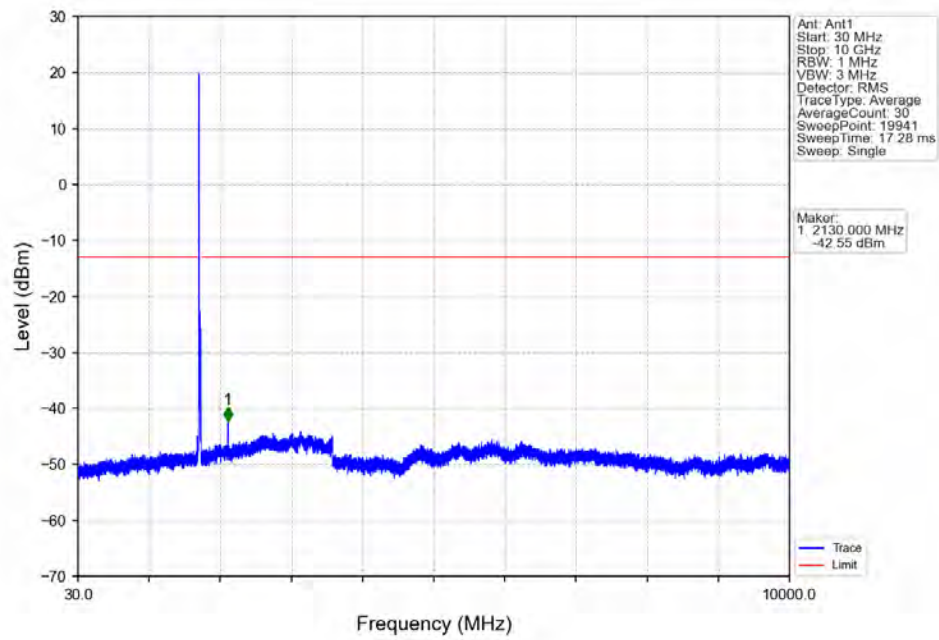
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



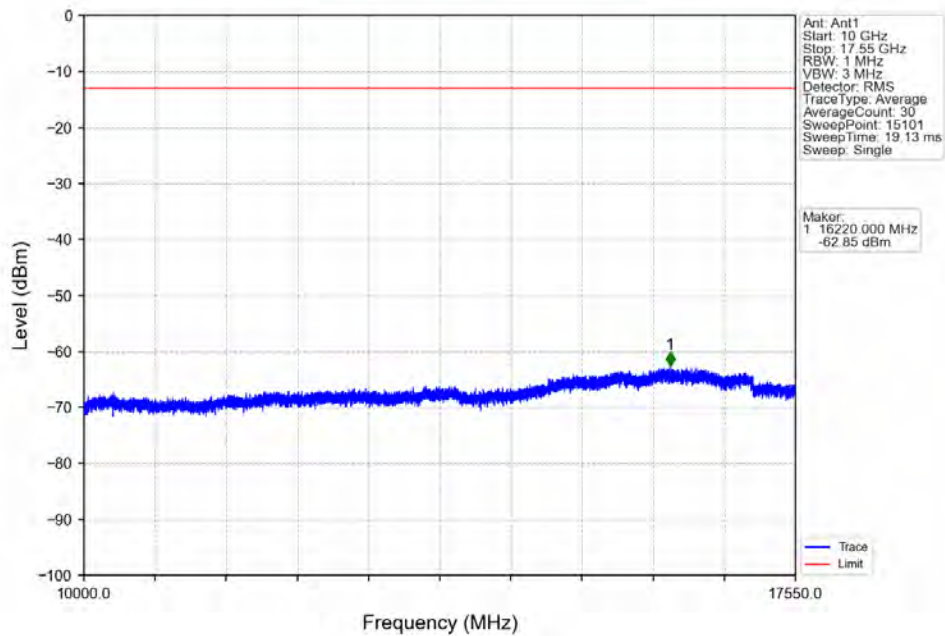
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



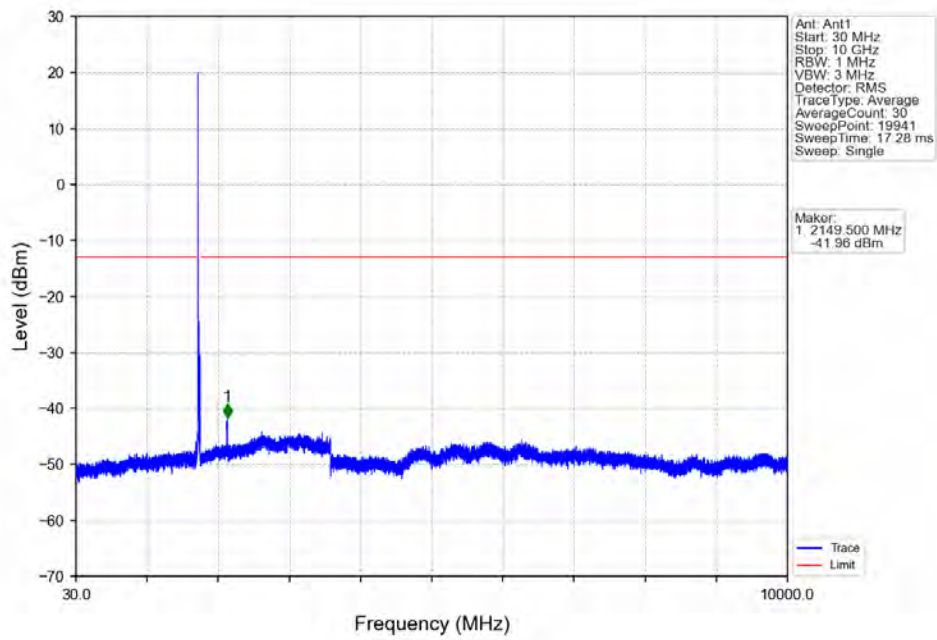
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



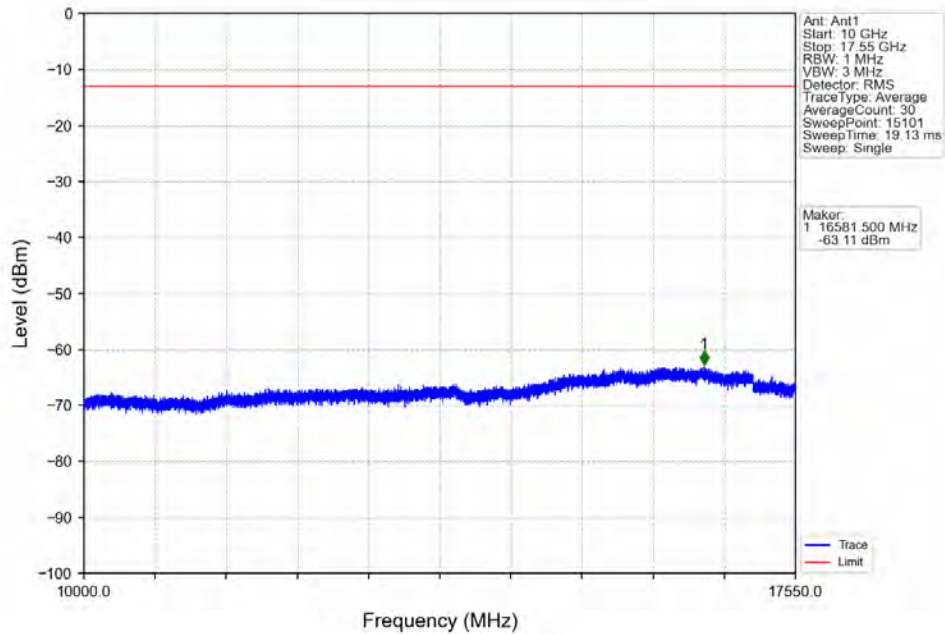
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



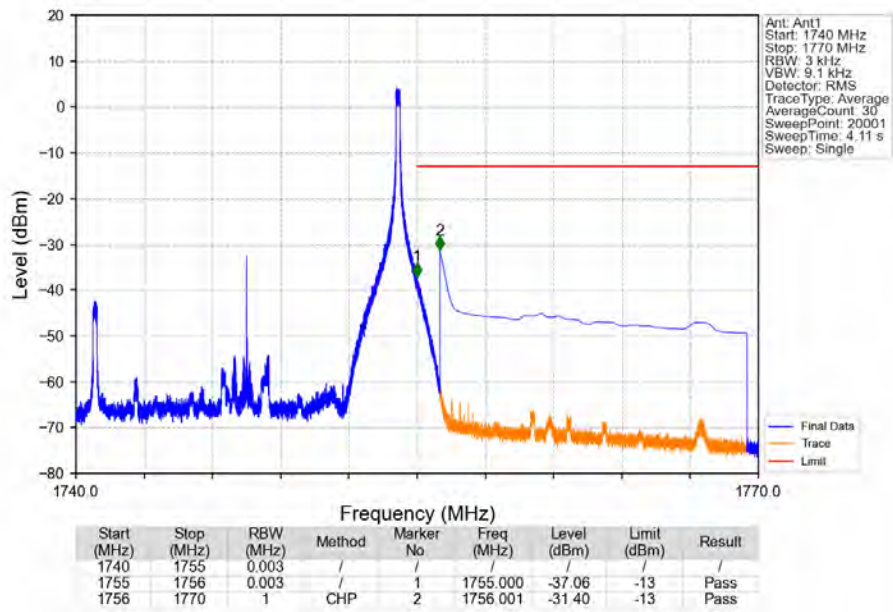
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTV



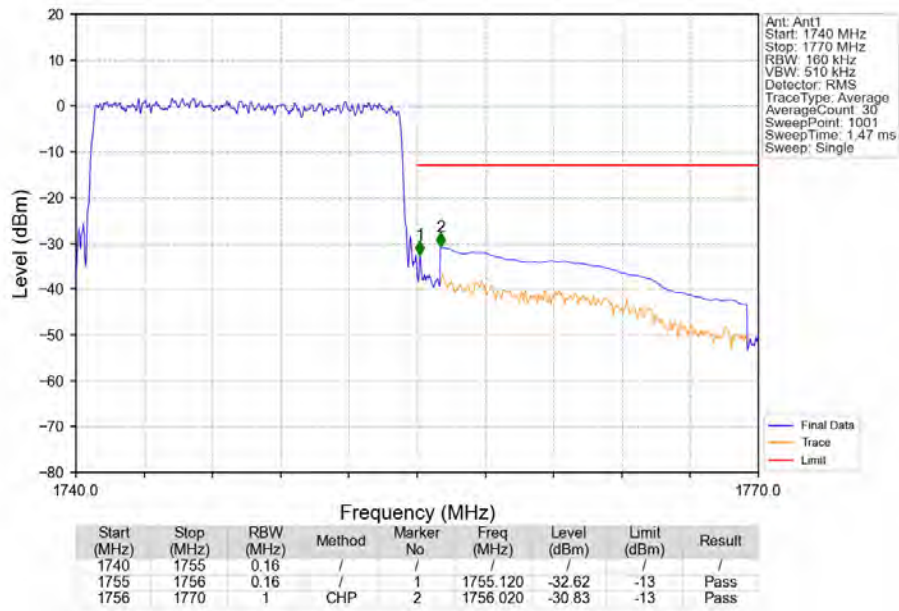
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTV



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



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

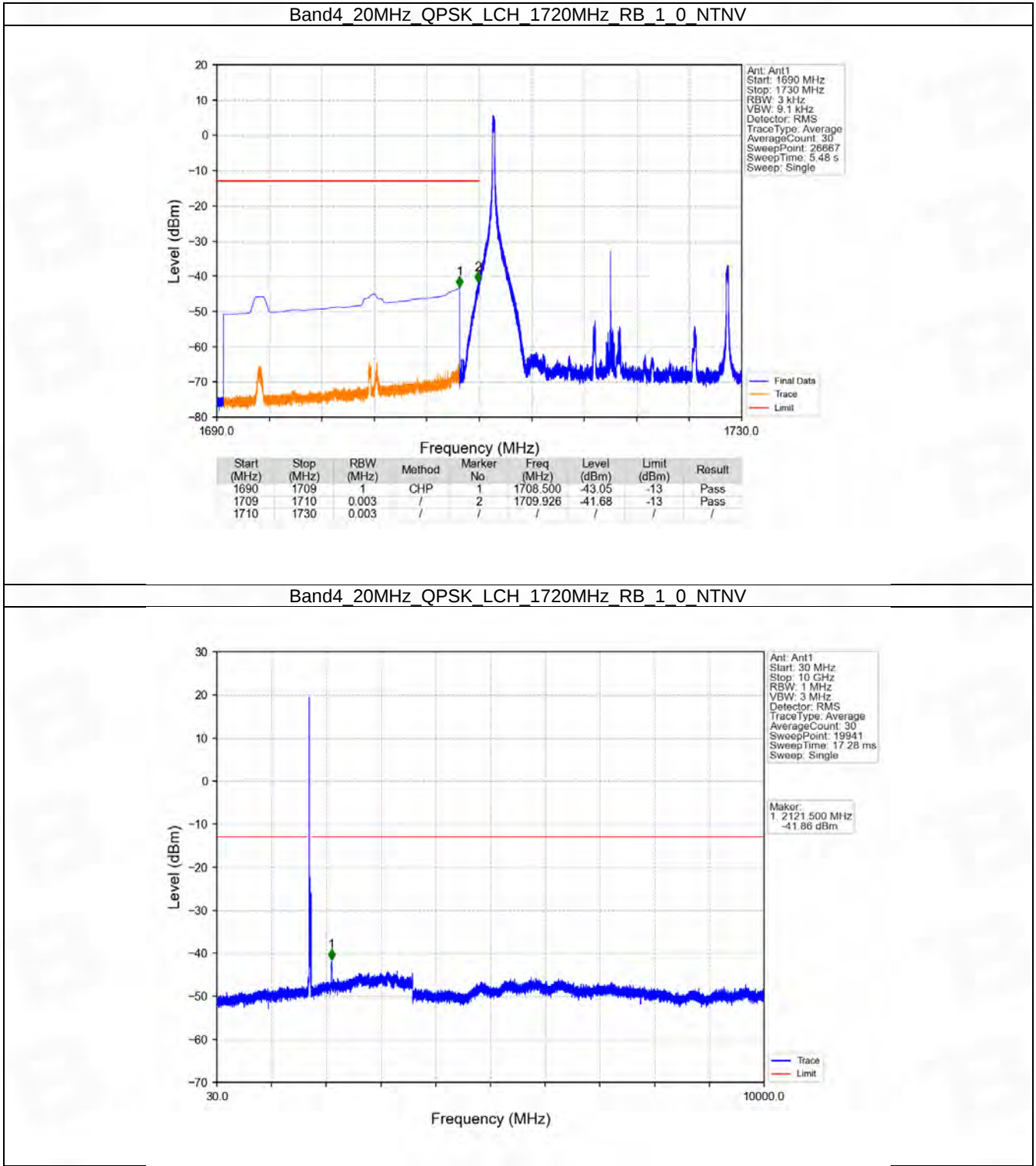


6.6 B4_20MHz

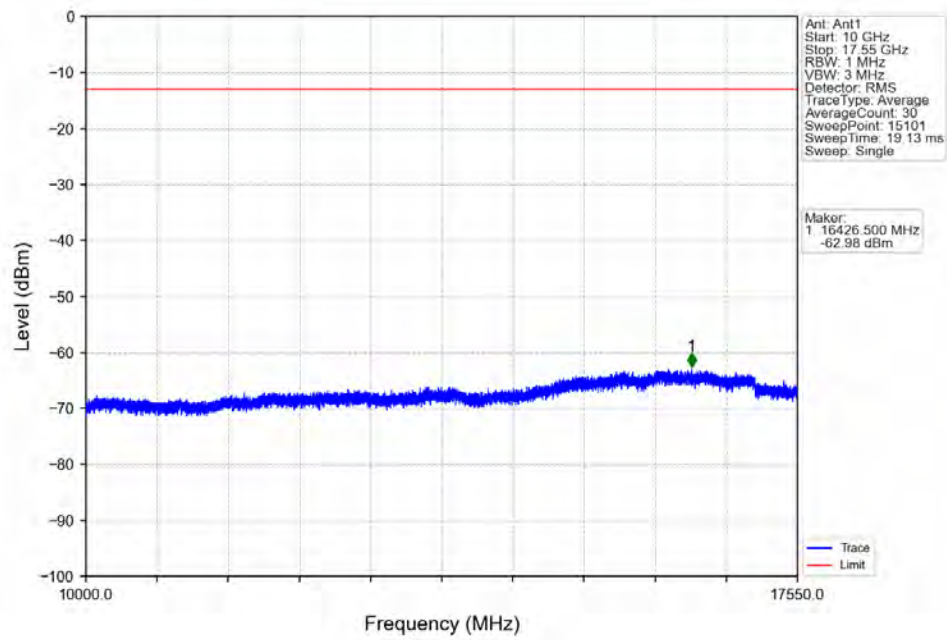
6.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / 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
		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

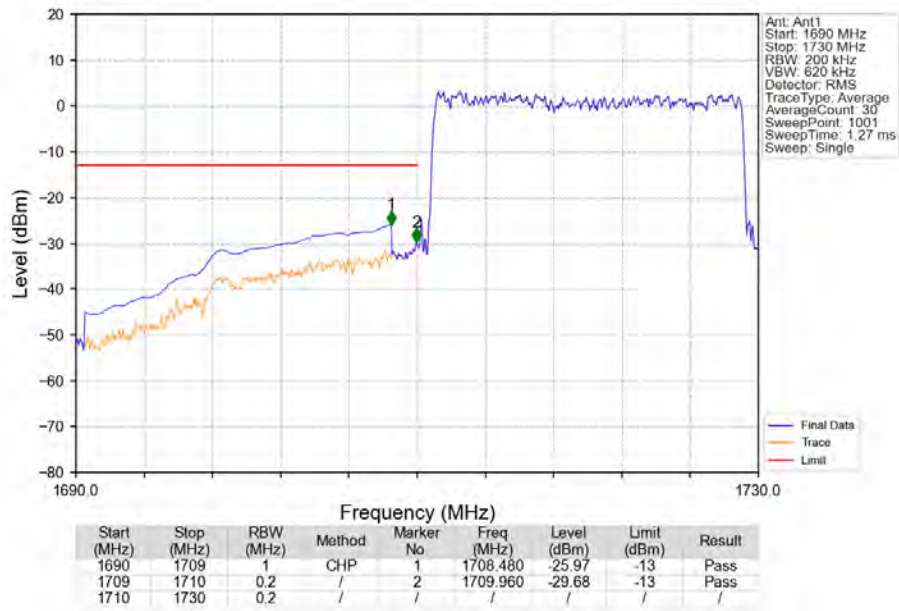
6.6.2 Test Graph



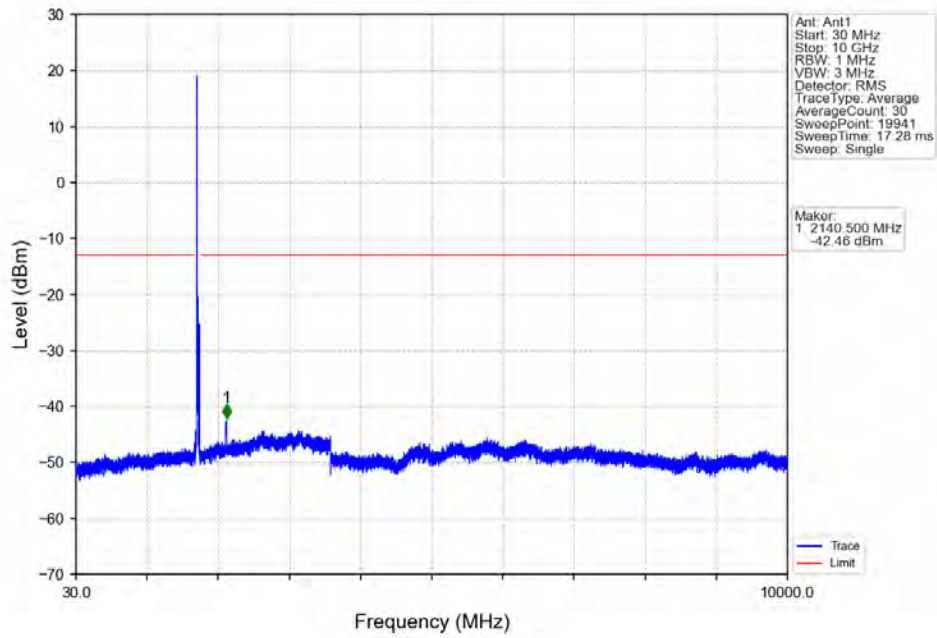
Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTN



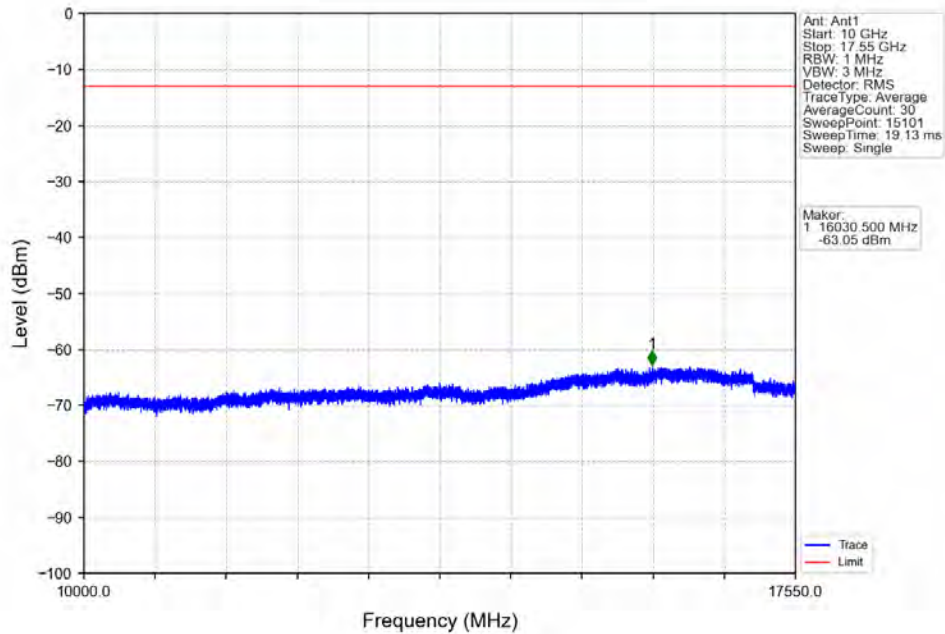
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTN



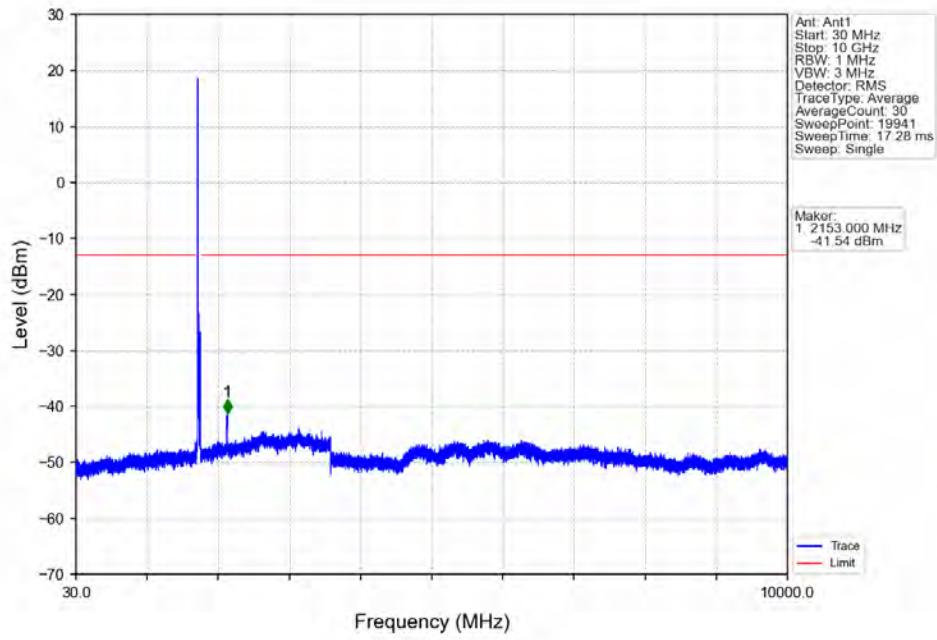
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



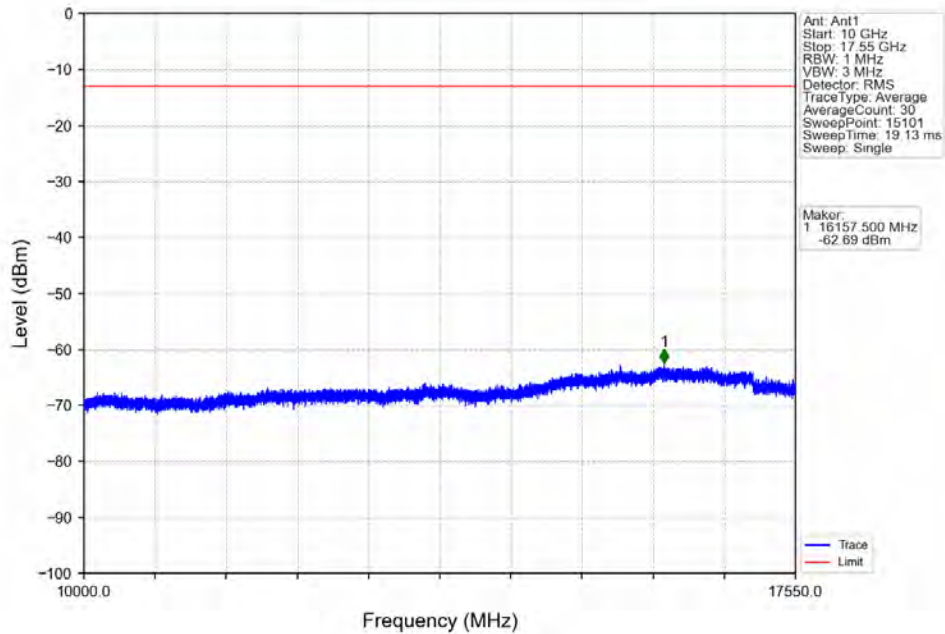
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



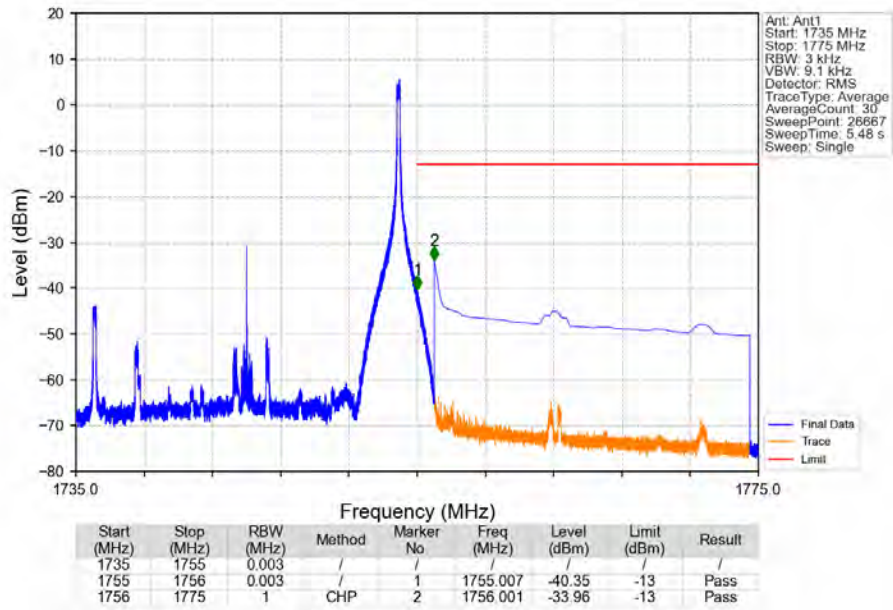
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



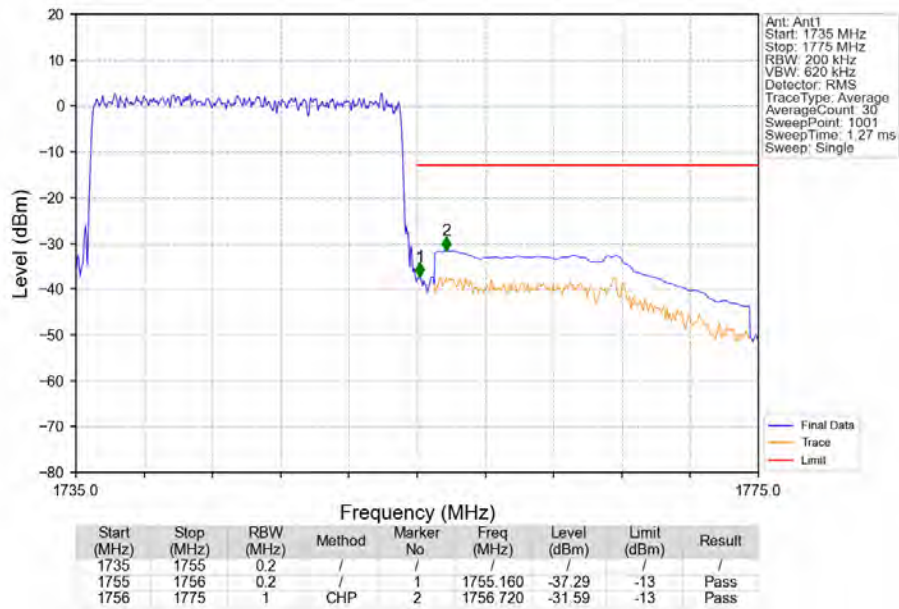
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



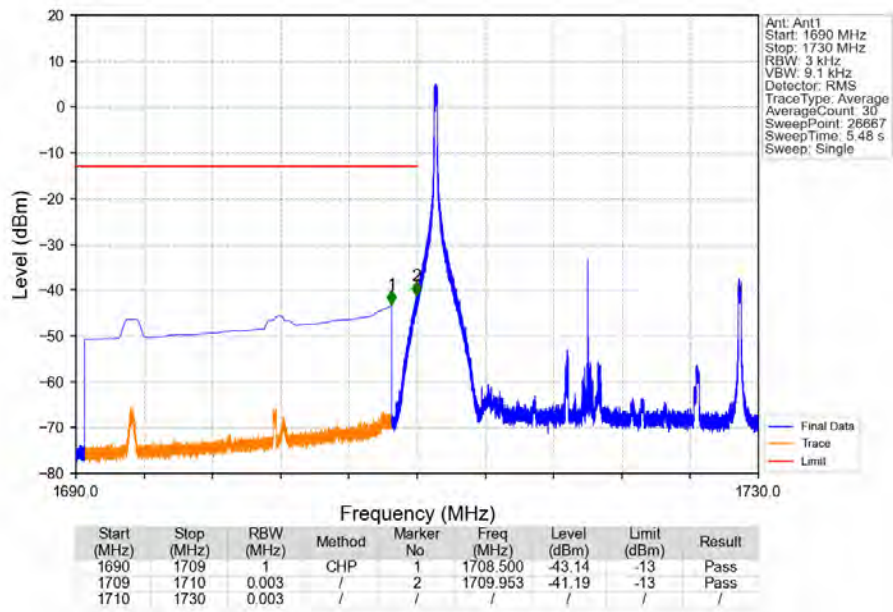
Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



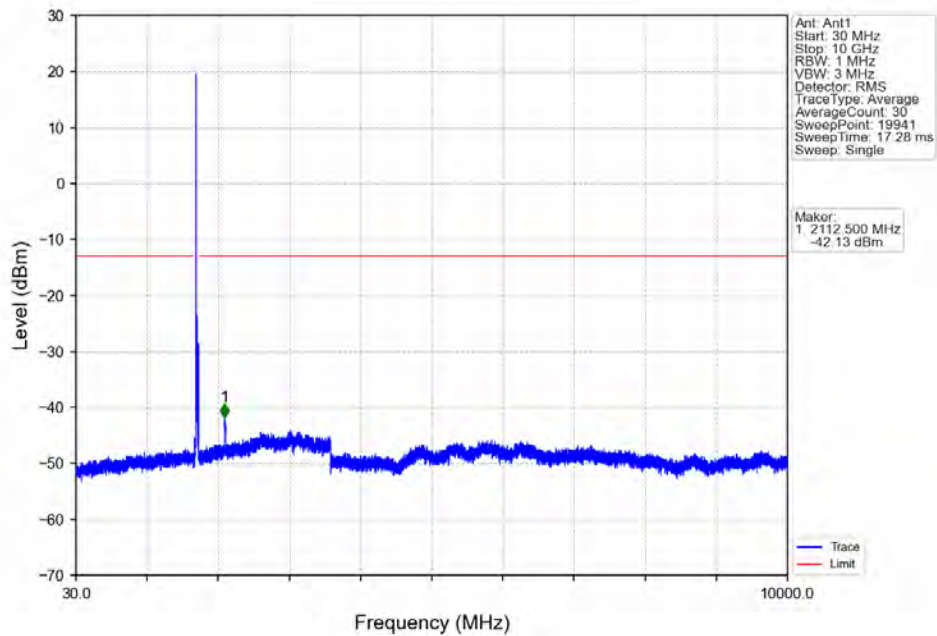
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



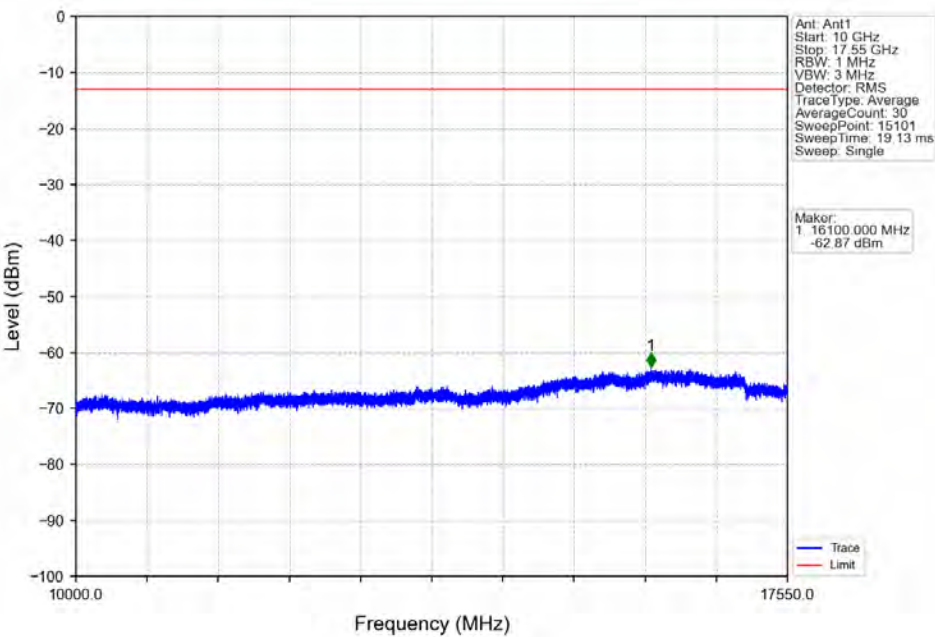
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



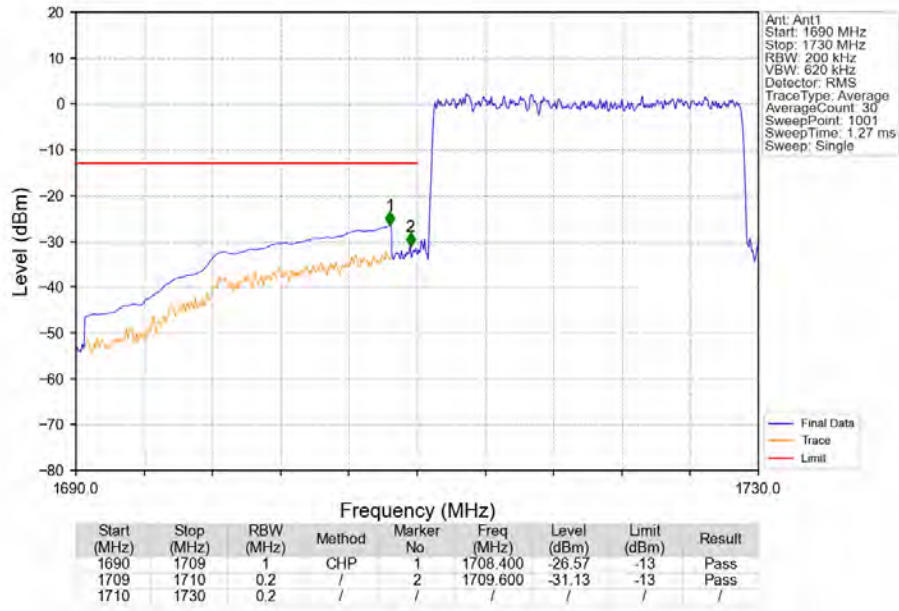
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



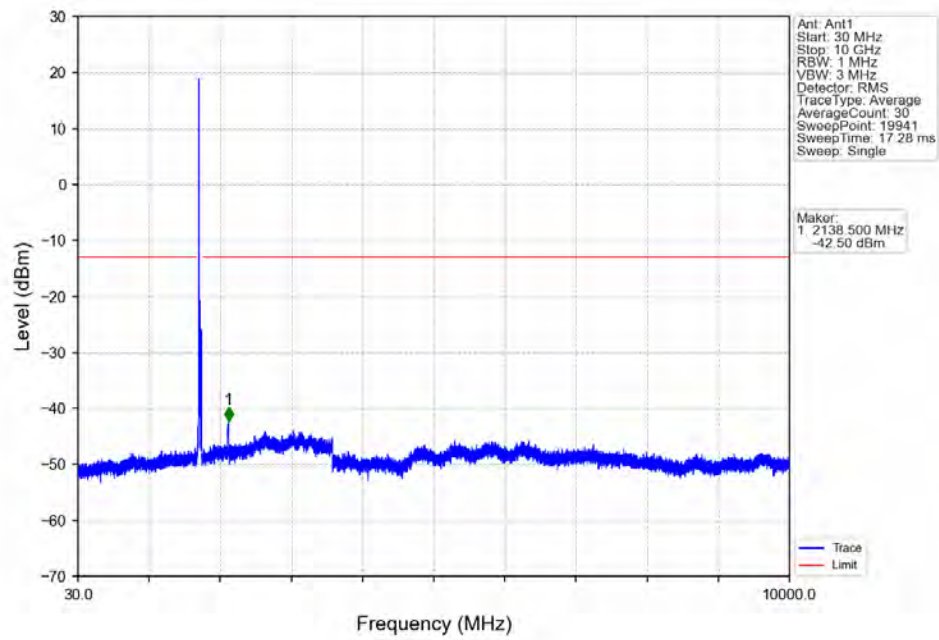
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



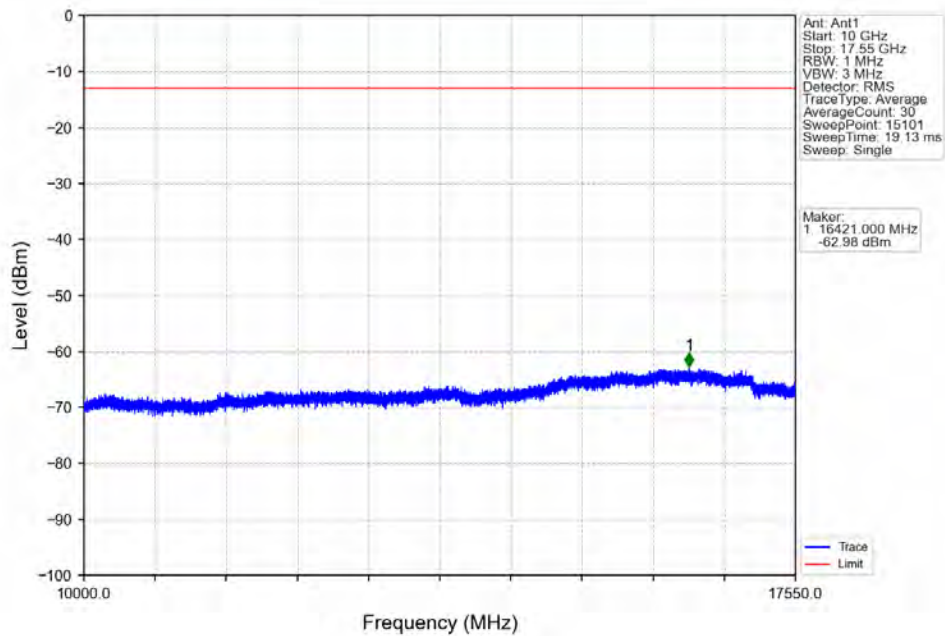
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



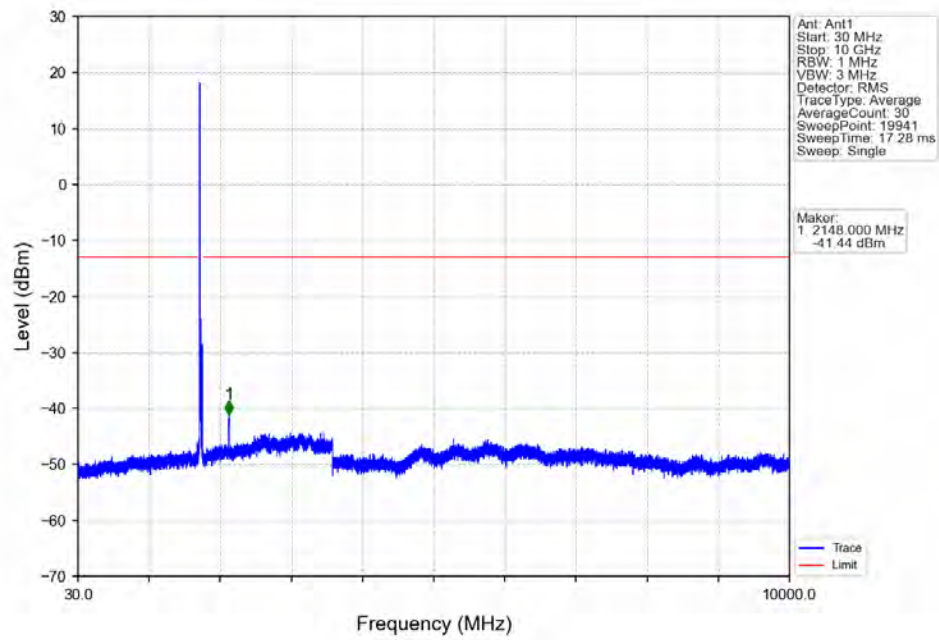
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



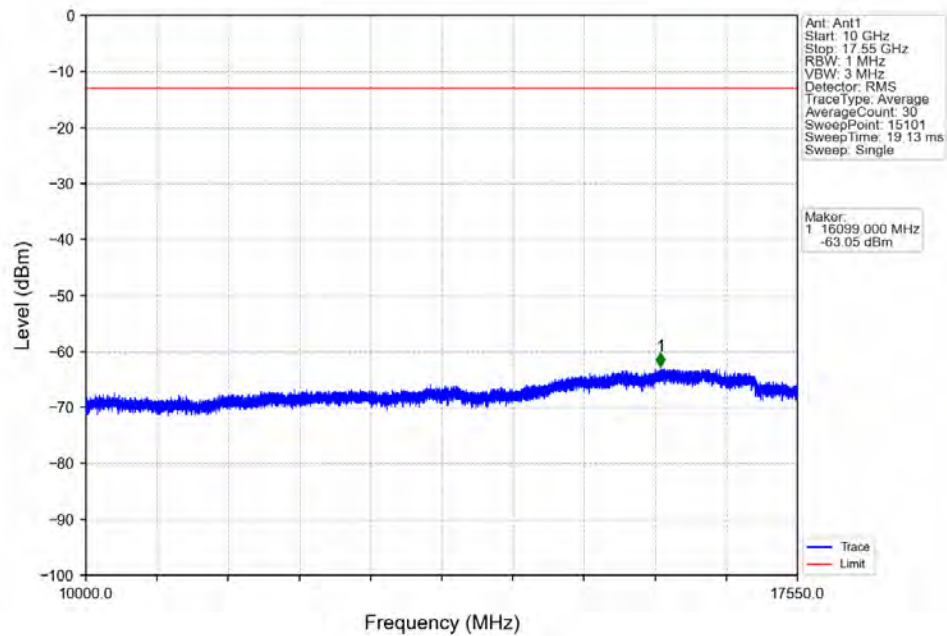
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



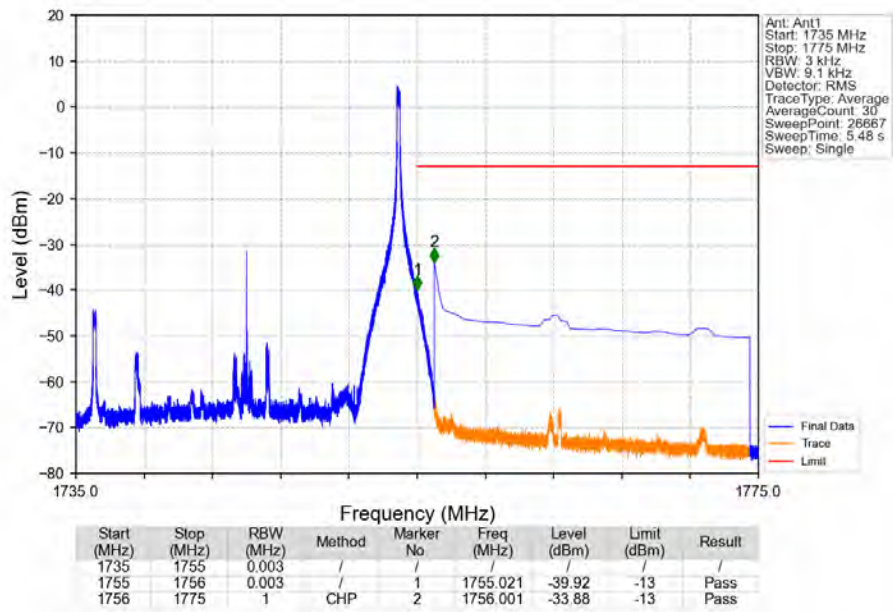
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTN



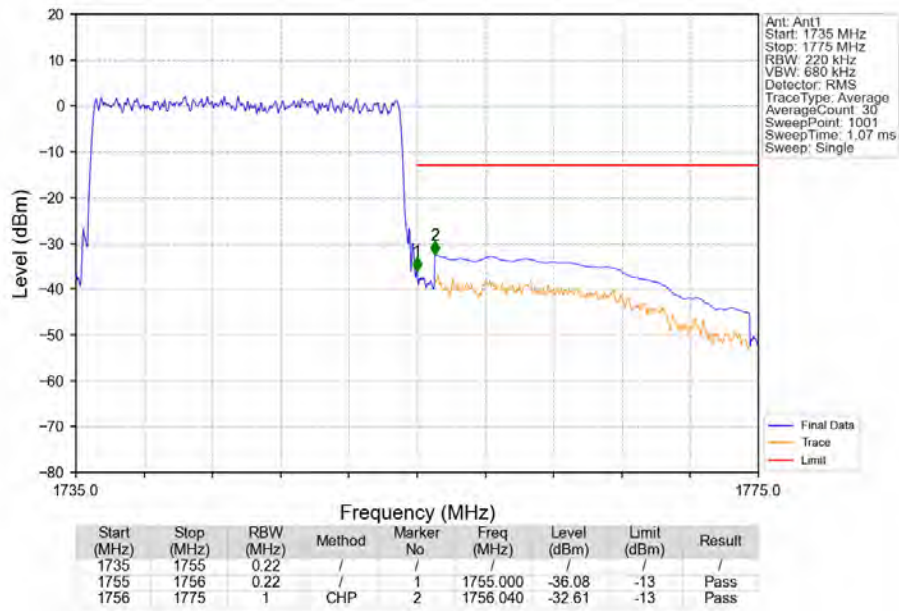
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTN



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	0.1384	0.0105	ppm	1M13G7D	27L	21.41
4	1.4	1710.7	1754.3	0.1125	0.0093	ppm	1M12W7D	27L	20.51
4	3	1711.5	1753.5	0.1435	0.0190	ppm	2M77G7D	27L	21.57
4	3	1711.5	1753.5	0.1211	0.0059	ppm	2M77W7D	27L	20.83
4	5	1712.5	1752.5	0.1365	0.0064	ppm	4M59G7D	27L	21.35
4	5	1712.5	1752.5	0.1151	0.0095	ppm	4M61W7D	27L	20.61
4	10	1715	1750	0.1422	0.0075	ppm	9M13G7D	27L	21.53
4	10	1715	1750	0.1202	0.0078	ppm	9M15W7D	27L	20.80
4	15	1717.5	1747.5	0.1352	0.0088	ppm	13M7G7D	27L	21.31
4	15	1717.5	1747.5	0.1211	0.0071	ppm	13M8W7D	27L	20.83
4	20	1720	1745	0.1390	0.0073	ppm	18M4G7D	27L	21.43
4	20	1720	1745	0.1279	0.0067	ppm	18M4W7D	27L	21.07

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	0.1667	0.0105	ppm	1M13G7D	27L	22.22
4	1.4	1710.7	1754.3	0.1355	0.0093	ppm	1M12W7D	27L	21.32
4	3	1711.5	1753.5	0.1730	0.0190	ppm	2M77G7D	27L	22.38
4	3	1711.5	1753.5	0.1459	0.0059	ppm	2M77W7D	27L	21.64
4	5	1712.5	1752.5	0.1644	0.0064	ppm	4M59G7D	27L	22.16
4	5	1712.5	1752.5	0.1387	0.0095	ppm	4M61W7D	27L	21.42
4	10	1715	1750	0.1714	0.0075	ppm	9M13G7D	27L	22.34
4	10	1715	1750	0.1449	0.0078	ppm	9M15W7D	27L	21.61
4	15	1717.5	1747.5	0.1629	0.0088	ppm	13M7G7D	27L	22.12
4	15	1717.5	1747.5	0.1459	0.0071	ppm	13M8W7D	27L	21.64
4	20	1720	1745	0.1675	0.0073	ppm	18M4G7D	27L	22.24
4	20	1720	1745	0.1542	0.0067	ppm	18M4W7D	27L	21.88