

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	22.58	0.21	22.79	<=30	Pass
			2	22.70	0.21	22.91	<=30	Pass
			5	22.60	0.21	22.81	<=30	Pass
		3	0	22.61	0.21	22.82	<=30	Pass
			2	22.66	0.21	22.87	<=30	Pass
			3	22.63	0.21	22.84	<=30	Pass
		6	0	21.68	0.21	21.89	<=30	Pass
	1732.5	1	0	22.02	0.21	22.23	<=30	Pass
			2	22.11	0.21	22.32	<=30	Pass
			5	22.02	0.21	22.23	<=30	Pass
		3	0	22.13	0.21	22.34	<=30	Pass
			2	22.15	0.21	22.36	<=30	Pass
			3	22.11	0.21	22.32	<=30	Pass
		6	0	21.16	0.21	21.37	<=30	Pass
	1754.3	1	0	21.57	0.21	21.78	<=30	Pass
			2	21.67	0.21	21.88	<=30	Pass
			5	21.56	0.21	21.77	<=30	Pass
		3	0	21.58	0.21	21.79	<=30	Pass
			2	21.58	0.21	21.79	<=30	Pass
			3	21.53	0.21	21.74	<=30	Pass
		6	0	20.56	0.21	20.77	<=30	Pass
16QAM	1710.7	1	0	21.55	0.21	21.76	<=30	Pass
			2	21.66	0.21	21.87	<=30	Pass
			5	21.61	0.21	21.82	<=30	Pass
		3	0	21.70	0.21	21.91	<=30	Pass
			2	21.71	0.21	21.92	<=30	Pass
			3	21.66	0.21	21.87	<=30	Pass
		6	0	20.58	0.21	20.79	<=30	Pass
	1732.5	1	0	21.20	0.21	21.41	<=30	Pass
			2	21.33	0.21	21.54	<=30	Pass
			5	21.24	0.21	21.45	<=30	Pass
		3	0	21.20	0.21	21.41	<=30	Pass
			2	21.18	0.21	21.39	<=30	Pass
			3	21.21	0.21	21.42	<=30	Pass
		6	0	20.16	0.21	20.37	<=30	Pass
	1754.3	1	0	20.19	0.21	20.40	<=30	Pass
			2	20.26	0.21	20.47	<=30	Pass
			5	20.09	0.21	20.30	<=30	Pass
		3	0	20.31	0.21	20.52	<=30	Pass
			2	20.35	0.21	20.56	<=30	Pass
			3	20.31	0.21	20.52	<=30	Pass
		6	0	19.07	0.21	19.28	<=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	22.68	0.21	22.89	<=30	Pass
			7	22.82	0.21	23.03	<=30	Pass
			14	22.61	0.21	22.82	<=30	Pass
		8	0	21.65	0.21	21.86	<=30	Pass
			4	21.35	0.21	21.56	<=30	Pass
			7	21.16	0.21	21.37	<=30	Pass
		15	0	21.14	0.21	21.35	<=30	Pass
	1732.5	1	0	21.59	0.21	21.80	<=30	Pass
			7	21.72	0.21	21.93	<=30	Pass
			14	21.52	0.21	21.73	<=30	Pass
		8	0	20.63	0.21	20.84	<=30	Pass
			4	20.65	0.21	20.86	<=30	Pass
			7	20.57	0.21	20.78	<=30	Pass
		15	0	20.61	0.21	20.82	<=30	Pass
	1753.5	1	0	21.12	0.21	21.33	<=30	Pass
			7	21.25	0.21	21.46	<=30	Pass
			14	21.09	0.21	21.30	<=30	Pass
		8	0	20.13	0.21	20.34	<=30	Pass
			4	20.15	0.21	20.36	<=30	Pass
			7	20.11	0.21	20.32	<=30	Pass
		15	0	20.08	0.21	20.29	<=30	Pass
16QAM	1711.5	1	0	21.17	0.21	21.38	<=30	Pass
			7	21.28	0.21	21.49	<=30	Pass
			14	21.06	0.21	21.27	<=30	Pass
		8	0	20.17	0.21	20.38	<=30	Pass
			4	20.22	0.21	20.43	<=30	Pass
			7	20.18	0.21	20.39	<=30	Pass
		15	0	20.15	0.21	20.36	<=30	Pass
	1732.5	1	0	20.74	0.21	20.95	<=30	Pass
			7	20.94	0.21	21.15	<=30	Pass
			14	20.72	0.21	20.93	<=30	Pass
		8	0	19.61	0.21	19.82	<=30	Pass
			4	19.63	0.21	19.84	<=30	Pass
			7	19.55	0.21	19.76	<=30	Pass
		15	0	19.60	0.21	19.81	<=30	Pass
	1753.5	1	0	20.55	0.21	20.76	<=30	Pass
			7	20.68	0.21	20.89	<=30	Pass
			14	20.49	0.21	20.70	<=30	Pass
		8	0	19.23	0.21	19.44	<=30	Pass
			4	19.24	0.21	19.45	<=30	Pass
			7	19.21	0.21	19.42	<=30	Pass
		15	0	19.11	0.21	19.32	<=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	22.03	0.21	22.24	<=30	Pass	
			13	22.14	0.21	22.35	<=30	Pass	
			24	21.96	0.21	22.17	<=30	Pass	
		12	0	21.08	0.21	21.29	<=30	Pass	
			6	21.16	0.21	21.37	<=30	Pass	
			13	21.10	0.21	21.31	<=30	Pass	
		25	0	21.14	0.21	21.35	<=30	Pass	
		1732.5	1	0	21.57	0.21	21.78	<=30	Pass
				13	21.61	0.21	21.82	<=30	Pass
	24			21.45	0.21	21.66	<=30	Pass	
	12		0	20.58	0.21	20.79	<=30	Pass	
			6	20.65	0.21	20.86	<=30	Pass	
			13	20.44	0.21	20.65	<=30	Pass	
	25	0	20.66	0.21	20.87	<=30	Pass		
	1752.5	1	0	21.08	0.21	21.29	<=30	Pass	
			13	21.16	0.21	21.37	<=30	Pass	
			24	21.01	0.21	21.22	<=30	Pass	
		12	0	20.05	0.21	20.26	<=30	Pass	
			6	20.12	0.21	20.33	<=30	Pass	
			13	20.02	0.21	20.23	<=30	Pass	
		25	0	20.06	0.21	20.27	<=30	Pass	
16QAM		1712.5	1	0	21.12	0.21	21.33	<=30	Pass
				13	21.24	0.21	21.45	<=30	Pass
	24			21.07	0.21	21.28	<=30	Pass	
	12		0	20.10	0.21	20.31	<=30	Pass	
			6	20.15	0.21	20.36	<=30	Pass	
			13	20.08	0.21	20.29	<=30	Pass	
	25		0	20.13	0.21	20.34	<=30	Pass	
	1732.5	1	0	20.83	0.21	21.04	<=30	Pass	
			13	20.90	0.21	21.11	<=30	Pass	
			24	20.71	0.21	20.92	<=30	Pass	
		12	0	19.71	0.21	19.92	<=30	Pass	
			6	19.76	0.21	19.97	<=30	Pass	
			13	19.60	0.21	19.81	<=30	Pass	
	25	0	19.62	0.21	19.83	<=30	Pass		
	1752.5	1	0	19.89	0.21	20.10	<=30	Pass	
			13	19.95	0.21	20.16	<=30	Pass	
			24	19.81	0.21	20.02	<=30	Pass	
		12	0	19.07	0.21	19.28	<=30	Pass	
			6	19.12	0.21	19.33	<=30	Pass	
			13	19.02	0.21	19.23	<=30	Pass	
		25	0	19.06	0.21	19.27	<=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	22.16	0.21	22.37	<=30	Pass
			25	22.19	0.21	22.40	<=30	Pass

			49	21.97	0.21	22.18	<=30	Pass	
			25	0	21.14	0.21	21.35	<=30	Pass
				13	21.11	0.21	21.32	<=30	Pass
				25	21.09	0.21	21.30	<=30	Pass
		50	0	21.13	0.21	21.34	<=30	Pass	
		1732.5	1	0	21.71	0.21	21.92	<=30	Pass
				25	21.69	0.21	21.90	<=30	Pass
				49	21.50	0.21	21.71	<=30	Pass
			25	0	20.76	0.21	20.97	<=30	Pass
				13	20.64	0.21	20.85	<=30	Pass
	25			20.65	0.21	20.86	<=30	Pass	
	50		0	20.74	0.21	20.95	<=30	Pass	
	1750		1	0	21.27	0.21	21.48	<=30	Pass
		25		21.31	0.21	21.52	<=30	Pass	
		49		21.11	0.21	21.32	<=30	Pass	
		25	0	20.26	0.21	20.47	<=30	Pass	
			13	20.19	0.21	20.40	<=30	Pass	
			25	20.08	0.21	20.29	<=30	Pass	
		50	0	20.15	0.21	20.36	<=30	Pass	

16QAM	1715	1	0	21.12	0.21	21.33	<=30	Pass	
			25	21.20	0.21	21.41	<=30	Pass	
			49	20.97	0.21	21.18	<=30	Pass	
		25	0	20.19	0.21	20.40	<=30	Pass	
			13	20.19	0.21	20.40	<=30	Pass	
			25	20.13	0.21	20.34	<=30	Pass	
		50	0	20.14	0.21	20.35	<=30	Pass	
		1732.5	1	0	20.92	0.21	21.13	<=30	Pass
				25	20.91	0.21	21.12	<=30	Pass
				49	20.67	0.21	20.88	<=30	Pass
	25		0	19.78	0.21	19.99	<=30	Pass	
			13	19.65	0.21	19.86	<=30	Pass	
			25	19.67	0.21	19.88	<=30	Pass	
	50		0	19.75	0.21	19.96	<=30	Pass	
	1750		1	0	20.74	0.21	20.95	<=30	Pass
		25		20.76	0.21	20.97	<=30	Pass	
		49		20.50	0.21	20.71	<=30	Pass	
		25	0	19.22	0.21	19.43	<=30	Pass	
			13	19.23	0.21	19.44	<=30	Pass	
			25	19.11	0.21	19.32	<=30	Pass	
		50	0	19.13	0.21	19.34	<=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	22.08	0.21	22.29	<=30	Pass
			38	22.05	0.21	22.26	<=30	Pass
			74	21.73	0.21	21.94	<=30	Pass
		36	0	21.18	0.21	21.39	<=30	Pass
			18	21.15	0.21	21.36	<=30	Pass
			39	21.02	0.21	21.23	<=30	Pass

	1732.5	75	0	21.11	0.21	21.32	<=30	Pass	
		1	0	21.70	0.21	21.91	<=30	Pass	
			38	21.59	0.21	21.80	<=30	Pass	
			74	21.34	0.21	21.55	<=30	Pass	
			0	20.75	0.21	20.96	<=30	Pass	
		36	18	20.66	0.21	20.87	<=30	Pass	
			39	20.60	0.21	20.81	<=30	Pass	
			75	0	20.72	0.21	20.93	<=30	Pass
		1747.5	1	0	21.26	0.21	21.47	<=30	Pass
				38	21.22	0.21	21.43	<=30	Pass
	74			21.01	0.21	21.22	<=30	Pass	
	36		0	20.39	0.21	20.60	<=30	Pass	
			18	20.30	0.21	20.51	<=30	Pass	
			39	20.26	0.21	20.47	<=30	Pass	
	75	0	20.32	0.21	20.53	<=30	Pass		
	16QAM	1717.5	1	0	21.38	0.21	21.59	<=30	Pass
38				21.38	0.21	21.59	<=30	Pass	
74				21.20	0.21	21.41	<=30	Pass	
36			0	20.16	0.21	20.37	<=30	Pass	
			18	20.10	0.21	20.31	<=30	Pass	
			39	19.98	0.21	20.19	<=30	Pass	
75			0	20.06	0.21	20.27	<=30	Pass	
1732.5		1	0	20.89	0.21	21.10	<=30	Pass	
			38	20.77	0.21	20.98	<=30	Pass	
			74	20.53	0.21	20.74	<=30	Pass	
		36	0	19.77	0.21	19.98	<=30	Pass	
			18	19.70	0.21	19.91	<=30	Pass	
			39	19.68	0.21	19.89	<=30	Pass	
75		0	19.72	0.21	19.93	<=30	Pass		
1747.5		1	0	20.85	0.21	21.06	<=30	Pass	
			38	20.72	0.21	20.93	<=30	Pass	
			74	20.43	0.21	20.64	<=30	Pass	
		36	0	19.36	0.21	19.57	<=30	Pass	
			18	19.32	0.21	19.53	<=30	Pass	
			39	19.20	0.21	19.41	<=30	Pass	
		75	0	19.24	0.21	19.45	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

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	21.89	0.21	22.10	<=30	Pass
			50	22.08	0.21	22.29	<=30	Pass
			99	21.47	0.21	21.68	<=30	Pass
		50	0	21.06	0.21	21.27	<=30	Pass
			25	21.03	0.21	21.24	<=30	Pass
			50	20.89	0.21	21.10	<=30	Pass
		100	0	21.01	0.21	21.22	<=30	Pass
	1732.5	1	0	21.71	0.21	21.92	<=30	Pass
			50	21.78	0.21	21.99	<=30	Pass
			99	21.17	0.21	21.38	<=30	Pass

		50	0	20.78	0.21	20.99	<=30	Pass
			25	20.71	0.21	20.92	<=30	Pass
			50	20.56	0.21	20.77	<=30	Pass
		100	0	20.71	0.21	20.92	<=30	Pass
	1745	1	0	21.28	0.21	21.49	<=30	Pass
			50	21.44	0.21	21.65	<=30	Pass
			99	20.88	0.21	21.09	<=30	Pass
		50	0	20.41	0.21	20.62	<=30	Pass
			25	20.30	0.21	20.51	<=30	Pass
			50	20.18	0.21	20.39	<=30	Pass
		100	0	20.31	0.21	20.52	<=30	Pass
		16QAM	1720	1	0	21.41	0.21	21.62
50	21.66				0.21	21.87	<=30	Pass
99	21.04				0.21	21.25	<=30	Pass
50	0			20.06	0.21	20.27	<=30	Pass
	25			20.03	0.21	20.24	<=30	Pass
	50			19.92	0.21	20.13	<=30	Pass
100	0			20.05	0.21	20.26	<=30	Pass
1732.5	1		0	20.90	0.21	21.11	<=30	Pass
			50	21.00	0.21	21.21	<=30	Pass
			99	20.34	0.21	20.55	<=30	Pass
	50		0	19.82	0.21	20.03	<=30	Pass
			25	19.69	0.21	19.90	<=30	Pass
			50	19.50	0.21	19.71	<=30	Pass
	100		0	19.68	0.21	19.89	<=30	Pass
1745	1		0	20.60	0.21	20.81	<=30	Pass
			50	20.65	0.21	20.86	<=30	Pass
			99	20.05	0.21	20.26	<=30	Pass
	50		0	19.41	0.21	19.62	<=30	Pass
			25	19.31	0.21	19.52	<=30	Pass
			50	19.18	0.21	19.39	<=30	Pass
	100		0	19.31	0.21	19.52	<=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	-9.542	-0.0056	-2.5 to 2.5	Pass
					3.85	-20.270	-0.0118	-2.5 to 2.5	Pass
					4.43	-5.651	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-8.926	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	-11.272	-0.0065	-2.5 to 2.5	Pass
					3.85	-11.830	-0.0068	-2.5 to 2.5	Pass
					4.43	-13.318	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-11.415	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-13.690	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-9.270	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-8.941	-0.0052	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-5.536	-0.0032	-2.5 to 2.5	Pass
					3.85	3.033	0.0017	-2.5 to 2.5	Pass
					4.43	-1.473	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	6.523	0.0037	-2.5 to 2.5	Pass
				-20	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	3.033	0.0017	-2.5 to 2.5	Pass
				0	3.85	-7.396	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-12.317	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-10.014	-0.0057	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-1.302	-0.0008	-2.5 to 2.5	Pass
					3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
					4.43	-4.420	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-7.296	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-1.287	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-8.354	-0.0049	-2.5 to 2.5	Pass
				0	3.85	10.657	0.0062	-2.5 to 2.5	Pass
				10	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-6.824	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-6.266	-0.0036	-2.5 to 2.5	Pass
					3.85	-13.318	-0.0077	-2.5 to 2.5	Pass
					4.43	-9.012	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-8.011	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
				0	3.85	13.089	0.0076	-2.5 to 2.5	Pass
				10	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-7.052	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-9.842	-0.0057	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-4.034	-0.0023	-2.5 to 2.5	Pass
					3.85	-6.022	-0.0034	-2.5 to 2.5	Pass
					4.43	-6.537	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-5.150	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-13.461	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-11.630	-0.0066	-2.5 to 2.5	Pass
				10	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-8.740	-0.0050	-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	-12.975	-0.0076	-2.5 to 2.5	Pass
					3.85	-13.433	-0.0078	-2.5 to 2.5	Pass
					4.43	-4.678	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-10.943	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-7.596	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-10.858	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-6.652	-0.0039	-2.5 to 2.5	Pass
				50	3.85	3.591	0.0021	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-2.389	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
					4.43	-7.153	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-12.116	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-9.499	-0.0055	-2.5 to 2.5	Pass
				30	3.85	26.464	0.0153	-2.5 to 2.5	Pass
				40	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-1.345	-0.0008	-2.5 to 2.5	Pass
					3.85	4.721	0.0027	-2.5 to 2.5	Pass
					4.43	-3.691	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-6.037	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	9.842	0.0056	-2.5 to 2.5	Pass
				-10	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-13.161	-0.0075	-2.5 to 2.5	Pass
				10	3.85	-13.676	-0.0078	-2.5 to 2.5	Pass
				30	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-8.440	-0.0048	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-3.805	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
					4.43	-9.112	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-11.544	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-5.565	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-8.512	-0.0050	-2.5 to 2.5	Pass
				40	3.85	7.424	0.0043	-2.5 to 2.5	Pass
				50	3.85	-4.721	-0.0028	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-6.437	-0.0037	-2.5 to 2.5	Pass
					3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-9.913	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass

				-10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-4.606	-0.0027	-2.5 to 2.5	Pass
				40	3.85	13.089	0.0076	-2.5 to 2.5	Pass
				50	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	5.107	0.0029	-2.5 to 2.5	Pass
					3.85	1.101	0.0006	-2.5 to 2.5	Pass
					4.43	-0.358	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-11.115	-0.0063	-2.5 to 2.5	Pass
				-20	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				-10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				40	3.85	-11.001	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-2.890	-0.0016	-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	-6.967	-0.0041	-2.5 to 2.5	Pass
					3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
					4.43	-3.147	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-2.146	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-7.625	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-11.458	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	4.034	0.0023	-2.5 to 2.5	Pass
					3.85	-12.245	-0.0071	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-9.184	-0.0053	-2.5 to 2.5	Pass
				0	3.85	-8.812	-0.0051	-2.5 to 2.5	Pass
				10	3.85	13.418	0.0077	-2.5 to 2.5	Pass
				30	3.85	-10.128	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-11.044	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-4.950	-0.0028	-2.5 to 2.5	Pass
					3.85	-5.679	-0.0032	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-9.842	-0.0056	-2.5 to 2.5	Pass
				-20	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-7.439	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-7.939	-0.0045	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0005	-2.5 to 2.5	Pass

				30	3.85	-3.734	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				50	3.85	0.186	0.0001	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-3.376	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
					4.43	-3.805	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-6.566	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-6.080	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-8.841	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-6.137	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0032	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-8.297	-0.0048	-2.5 to 2.5	Pass
					3.85	-12.245	-0.0071	-2.5 to 2.5	Pass
					4.43	-5.579	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-16.022	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-10.500	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				30	3.85	17.123	0.0099	-2.5 to 2.5	Pass
				40	3.85	-11.015	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	1.559	0.0009	-2.5 to 2.5	Pass
					3.85	-7.782	-0.0044	-2.5 to 2.5	Pass
					4.43	-6.051	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-9.742	-0.0056	-2.5 to 2.5	Pass
				0	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-6.151	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-4.306	-0.0025	-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	-8.640	-0.0050	-2.5 to 2.5	Pass
					3.85	-5.794	-0.0034	-2.5 to 2.5	Pass
					4.43	-7.424	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-4.907	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-2.489	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-11.287	-0.0066	-2.5 to 2.5	Pass
				10	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-7.210	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-6.680	-0.0039	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	-6.137	-0.0035	-2.5 to 2.5	Pass
					3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.187	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-7.582	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-8.540	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
	50	3.85	-5.522	-0.0032	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	-8.025	-0.0046	-2.5 to 2.5	Pass
					3.85	-11.287	-0.0064	-2.5 to 2.5	Pass
					4.43	-7.997	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-6.723	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-13.661	-0.0078	-2.5 to 2.5	Pass
10				3.85	-7.896	-0.0045	-2.5 to 2.5	Pass	
30				3.85	-15.206	-0.0087	-2.5 to 2.5	Pass	
40				3.85	-11.230	-0.0064	-2.5 to 2.5	Pass	
50	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass				
16QAM	1715	50	0	20	3.27	-3.676	-0.0021	-2.5 to 2.5	Pass
					3.85	-11.659	-0.0068	-2.5 to 2.5	Pass
					4.43	-1.245	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-5.765	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-8.540	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-10.500	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				40	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
	50	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass			
	1732.5	50	0	20	3.27	-4.792	-0.0028	-2.5 to 2.5	Pass
					3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
					4.43	-4.334	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-10.242	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-8.841	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
	50	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass			
	1750	50	0	20	3.27	-10.371	-0.0059	-2.5 to 2.5	Pass
					3.85	-9.198	-0.0053	-2.5 to 2.5	Pass
					4.43	-10.042	-0.0057	-2.5 to 2.5	Pass
				-30	3.85	-8.469	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-10.242	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
30				3.85	-4.420	-0.0025	-2.5 to 2.5	Pass	
40				3.85	-15.335	-0.0088	-2.5 to 2.5	Pass	
50	3.85	-7.753	-0.0044	-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	-8.140	-0.0047	-2.5 to 2.5	Pass
					3.85	-9.398	-0.0055	-2.5 to 2.5	Pass
					4.43	-7.825	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-10.543	-0.0061	-2.5 to 2.5	Pass
				-10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				0	3.85	-7.138	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-7.224	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-3.891	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-6.180	-0.0036	-2.5 to 2.5	Pass
					3.85	-8.168	-0.0047	-2.5 to 2.5	Pass
					4.43	-3.576	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-4.921	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-6.409	-0.0037	-2.5 to 2.5	Pass
					3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
					4.43	-3.405	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-10.800	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-6.709	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-3.433	-0.0020	-2.5 to 2.5	Pass
					3.85	-3.948	-0.0023	-2.5 to 2.5	Pass
					4.43	-2.604	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-10.028	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-1.216	-0.0007	-2.5 to 2.5	Pass
					3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
					4.43	-2.275	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass

				-10	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-11.487	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-6.595	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	0.730	0.0004	-2.5 to 2.5	Pass
					3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
					4.43	-6.151	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-3.505	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.044	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-6.723	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-9.098	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-9.499	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-1.659	-0.0009	-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	-4.220	-0.0025	-2.5 to 2.5	Pass
					3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
					4.43	-6.151	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-9.456	-0.0055	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-6.309	-0.0036	-2.5 to 2.5	Pass
					3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
					4.43	-4.549	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				30	3.85	-0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
				50	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.991	-0.0023	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
					4.43	-5.908	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-11.587	-0.0066	-2.5 to 2.5	Pass
				-20	3.85	-5.879	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-5.422	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
				10	3.85	-9.727	-0.0056	-2.5 to 2.5	Pass

				30	3.85	-10.200	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-12.574	-0.0072	-2.5 to 2.5	Pass
				50	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-4.592	-0.0027	-2.5 to 2.5	Pass
					3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
					4.43	-10.629	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-8.326	-0.0048	-2.5 to 2.5	Pass
				-20	3.85	-6.566	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-3.877	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.143	0.0001	-2.5 to 2.5	Pass
					3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
					4.43	-4.621	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.033	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-6.208	-0.0036	-2.5 to 2.5	Pass
				10	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				50	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.161	-0.0018	-2.5 to 2.5	Pass
					3.85	-6.795	-0.0039	-2.5 to 2.5	Pass
					4.43	-5.007	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-5.207	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-6.680	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-13.719	-0.0079	-2.5 to 2.5	Pass
				30	3.85	-3.920	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-10.943	-0.0063	-2.5 to 2.5	Pass
				50	3.85	-9.127	-0.0052	-2.5 to 2.5	Pass

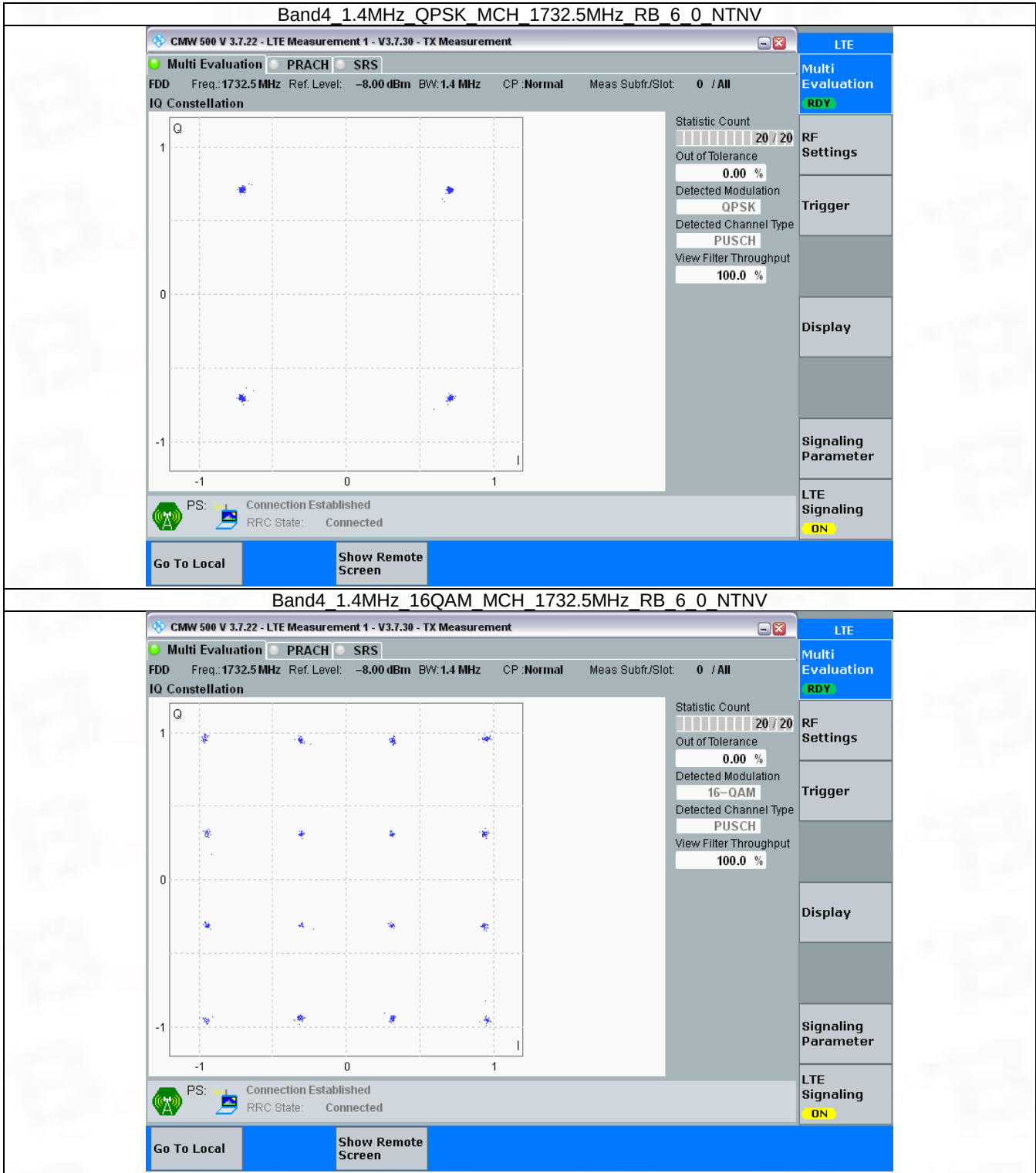
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

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

3.1.2 Test Graph

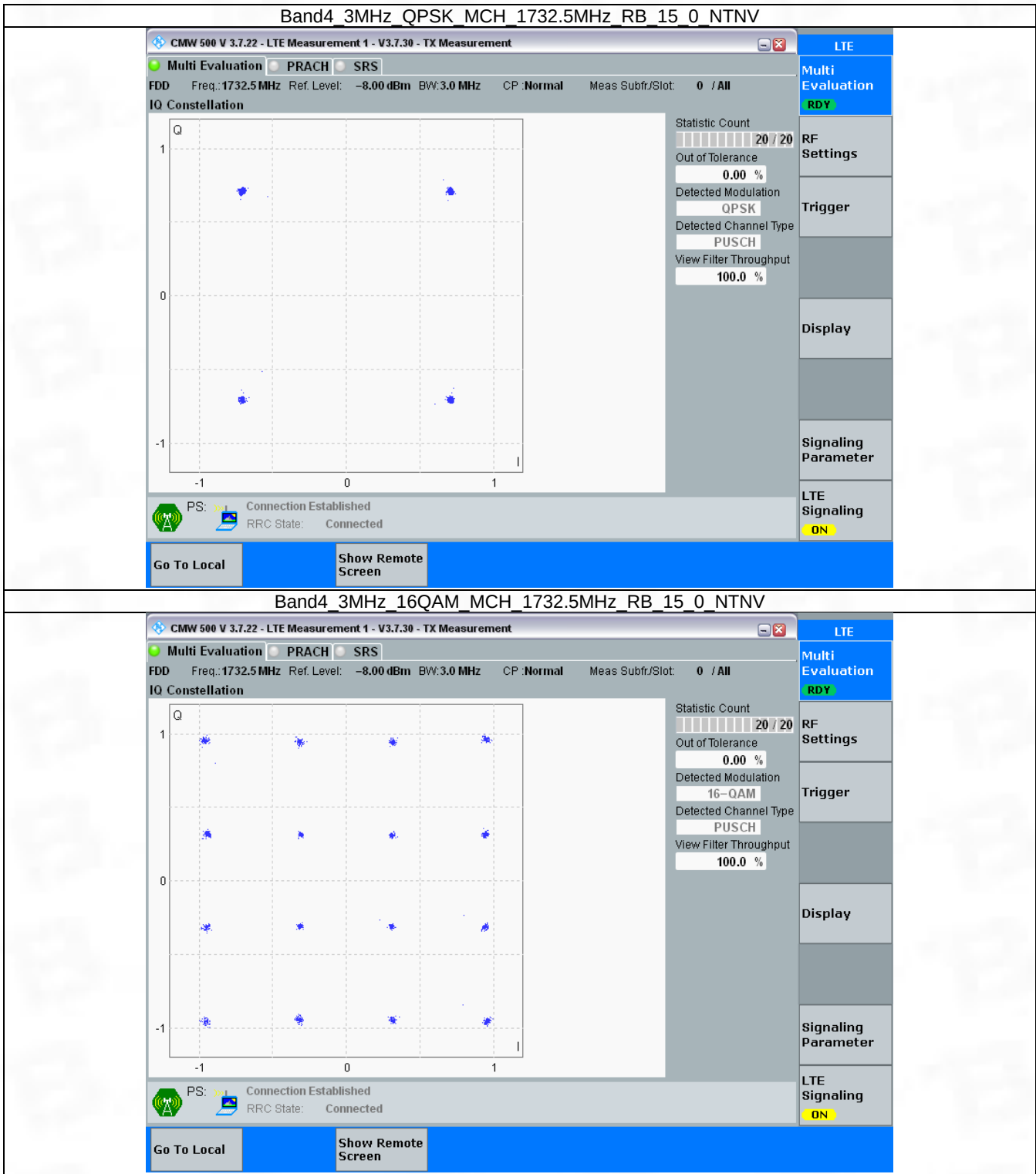


3.2 B4_3MHz

3.2.1 Test Result

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

3.2.2 Test Graph

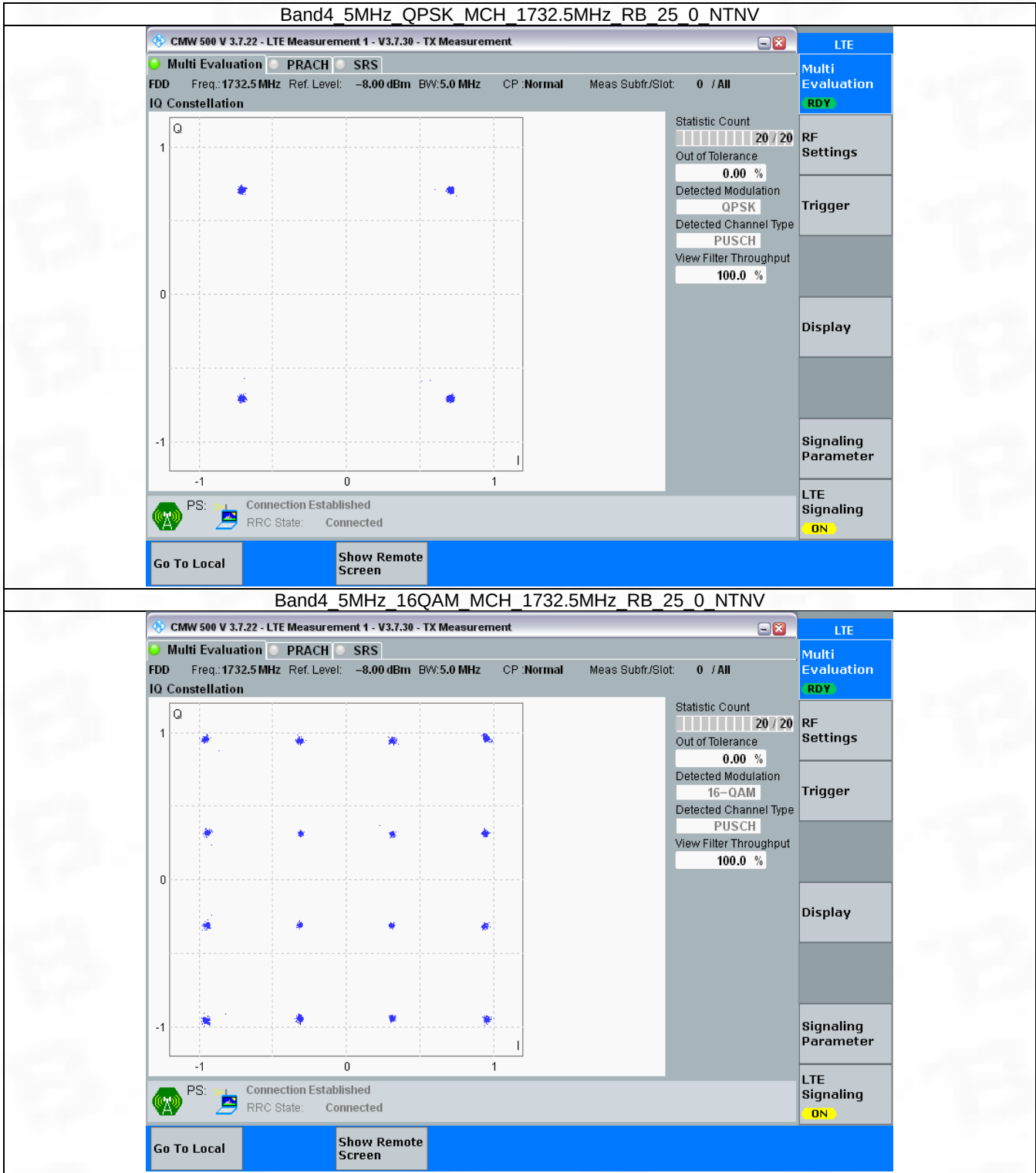


3.3 B4_5MHz

3.3.1 Test Result

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

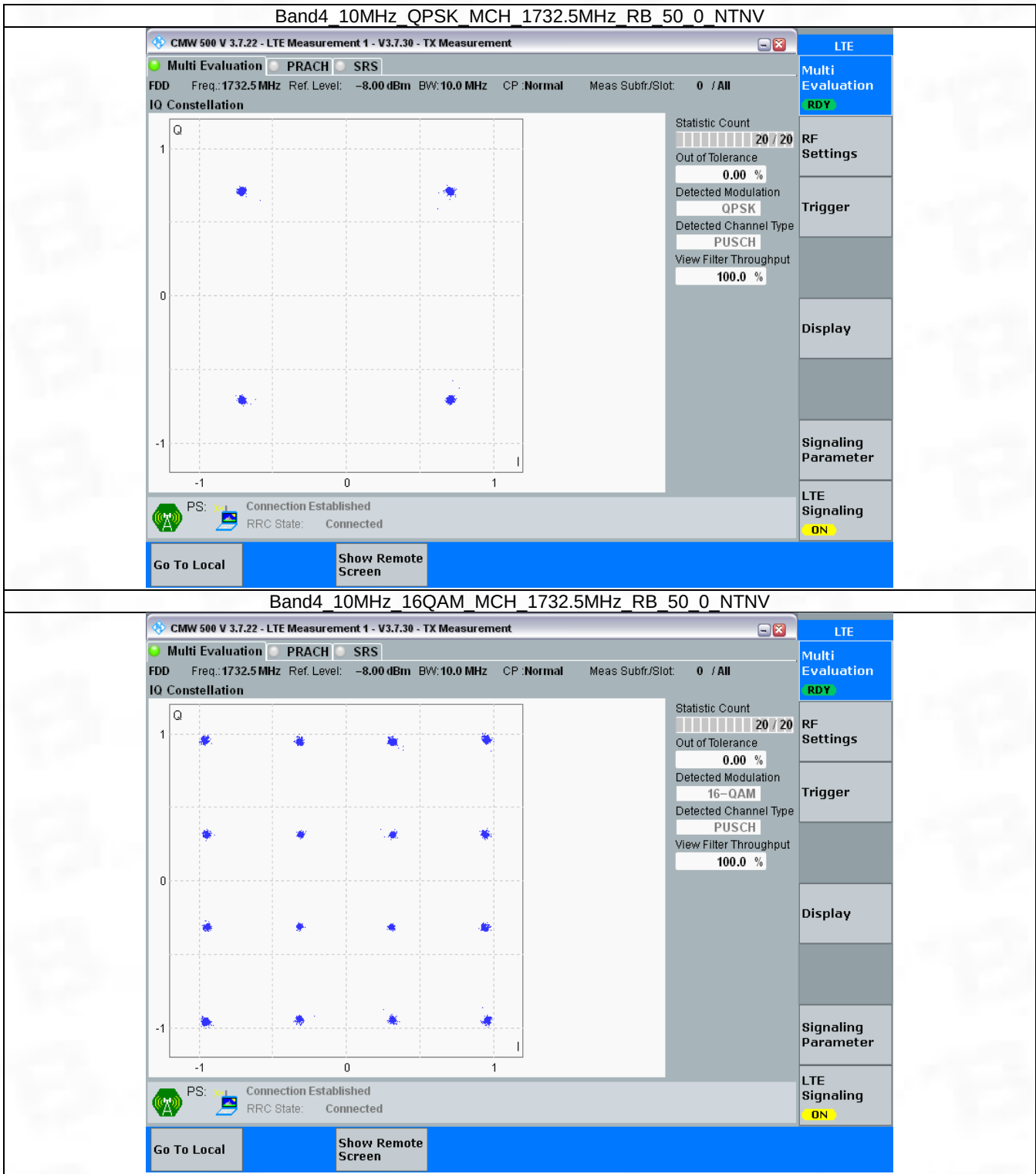
3.3.2 Test Graph



3.4.1 Test Result

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

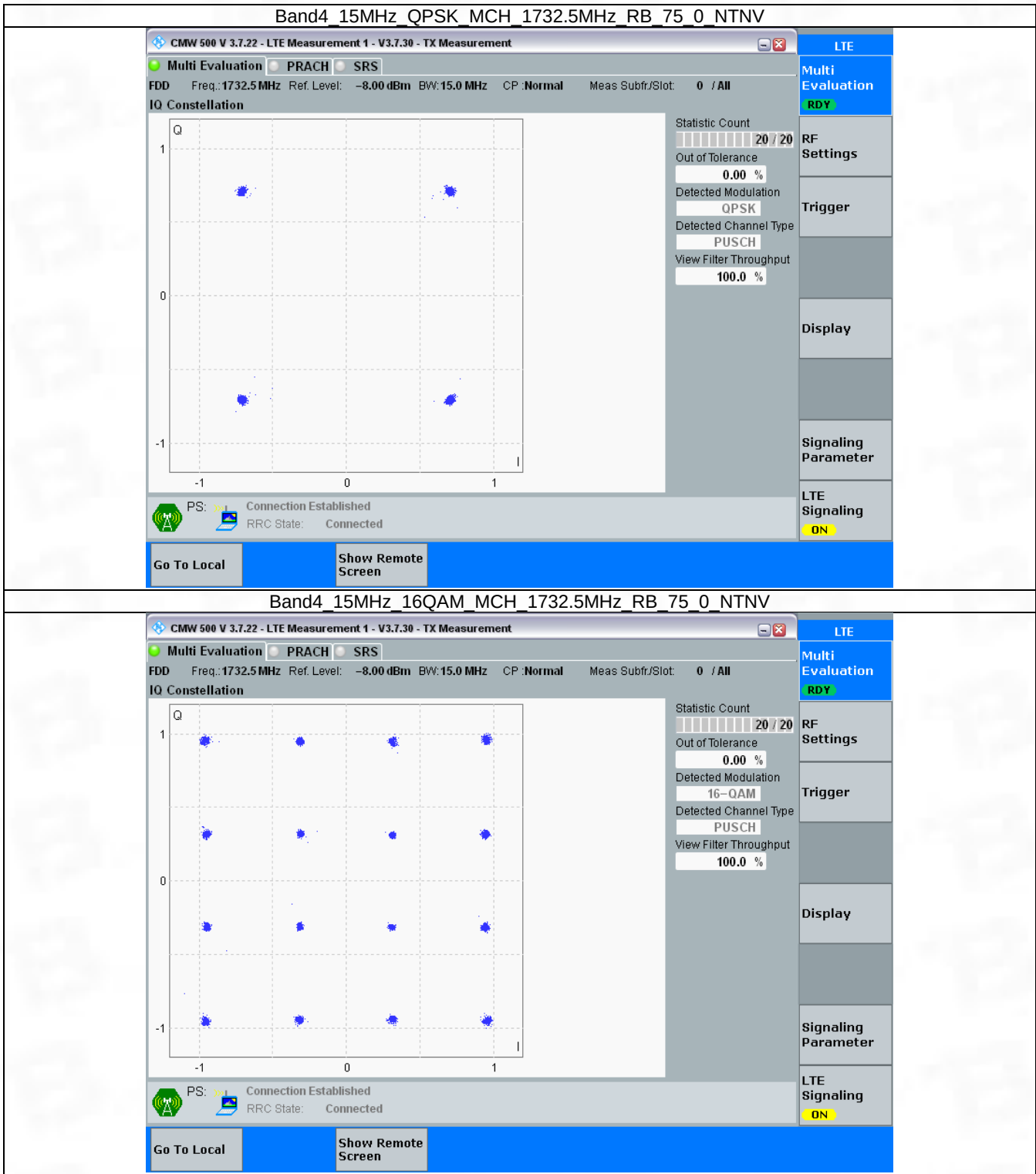
3.4.2 Test Graph



3.5.1 Test Result

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

3.5.2 Test Graph

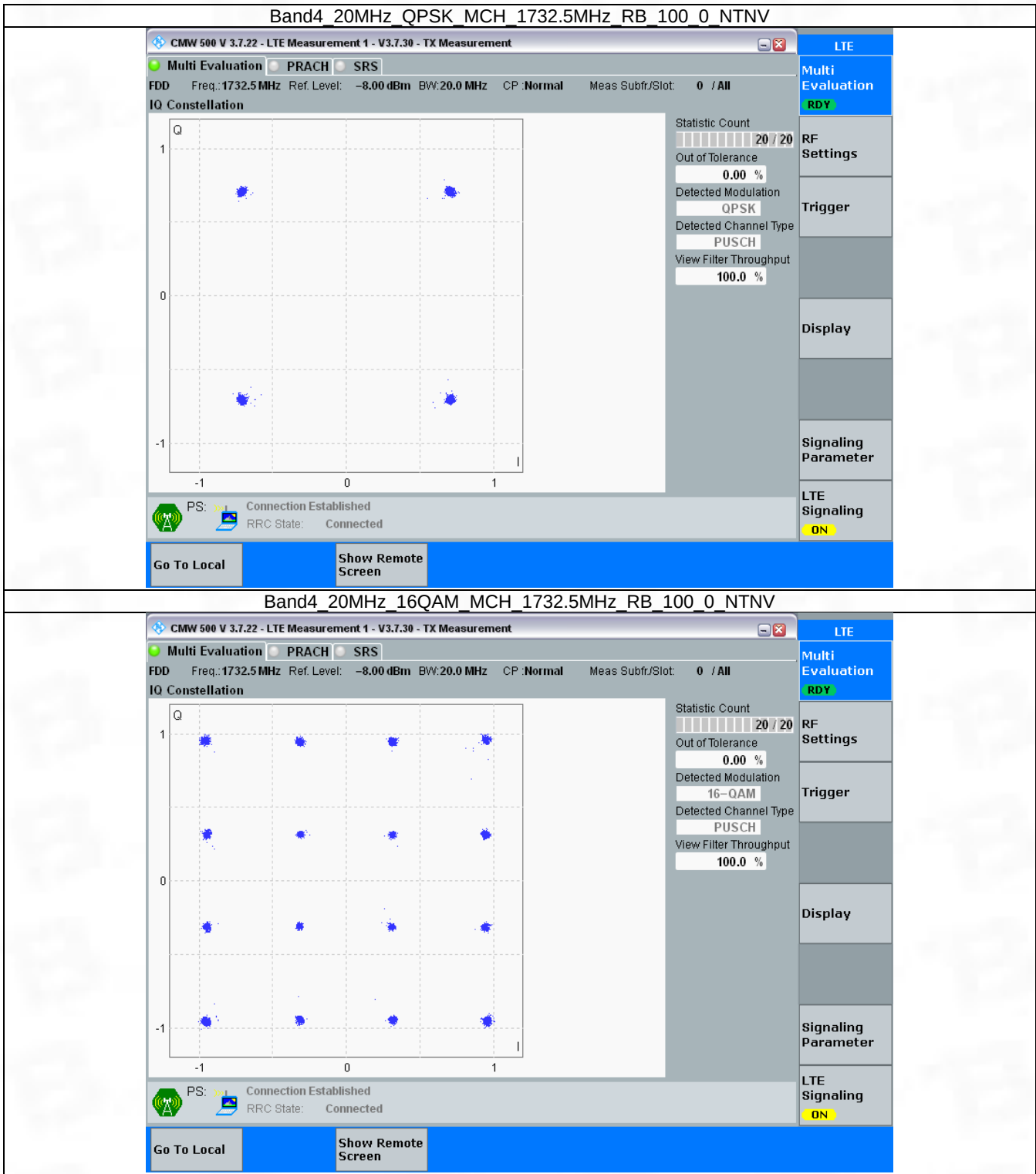


3.6 B4_20MHz

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



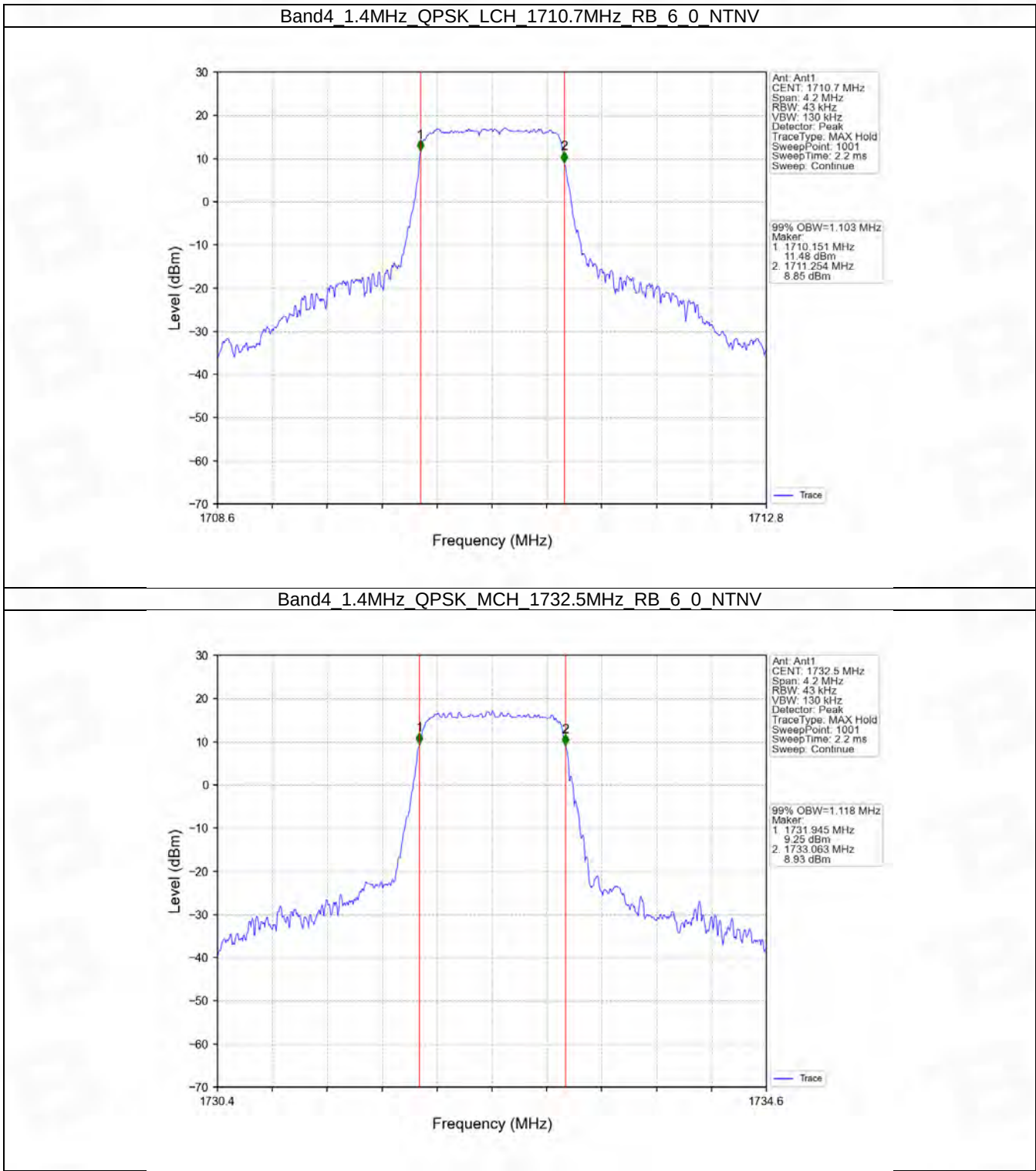
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

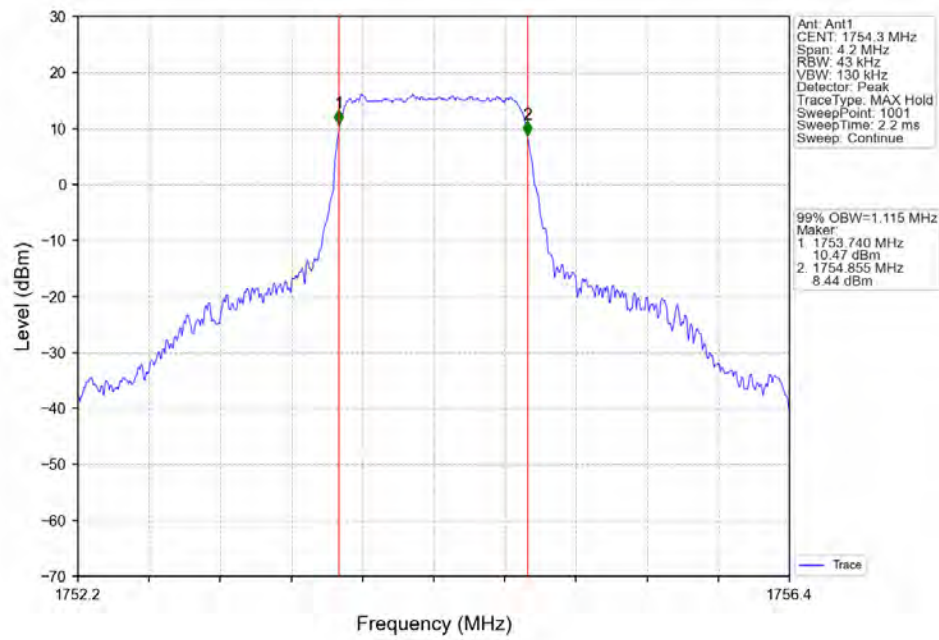
4.1.1 Test Result

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.103	/	Pass
		1732.5	6	0	1.118	/	Pass
		1754.3	6	0	1.115	/	Pass
	16QAM	1710.7	6	0	1.108	/	Pass
		1732.5	6	0	1.102	/	Pass
		1754.3	6	0	1.110	/	Pass
3	QPSK	1711.5	15	0	2.723	/	Pass
		1732.5	15	0	2.729	/	Pass
		1753.5	15	0	2.729	/	Pass
	16QAM	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.725	/	Pass
		1753.5	15	0	2.726	/	Pass
5	QPSK	1712.5	25	0	4.573	/	Pass
		1732.5	25	0	4.562	/	Pass
		1752.5	25	0	4.576	/	Pass
	16QAM	1712.5	25	0	4.592	/	Pass
		1732.5	25	0	4.577	/	Pass
		1752.5	25	0	4.555	/	Pass
10	QPSK	1715	50	0	9.048	/	Pass
		1732.5	50	0	9.036	/	Pass
		1750	50	0	9.050	/	Pass
	16QAM	1715	50	0	9.065	/	Pass
		1732.5	50	0	9.063	/	Pass
		1750	50	0	9.080	/	Pass
15	QPSK	1717.5	75	0	13.630	/	Pass
		1732.5	75	0	13.600	/	Pass
		1747.5	75	0	13.590	/	Pass
	16QAM	1717.5	75	0	13.602	/	Pass
		1732.5	75	0	13.628	/	Pass
		1747.5	75	0	13.617	/	Pass
20	QPSK	1720	100	0	18.115	/	Pass
		1732.5	100	0	18.130	/	Pass
		1745	100	0	18.082	/	Pass
	16QAM	1720	100	0	18.161	/	Pass
		1732.5	100	0	18.136	/	Pass
		1745	100	0	18.199	/	Pass

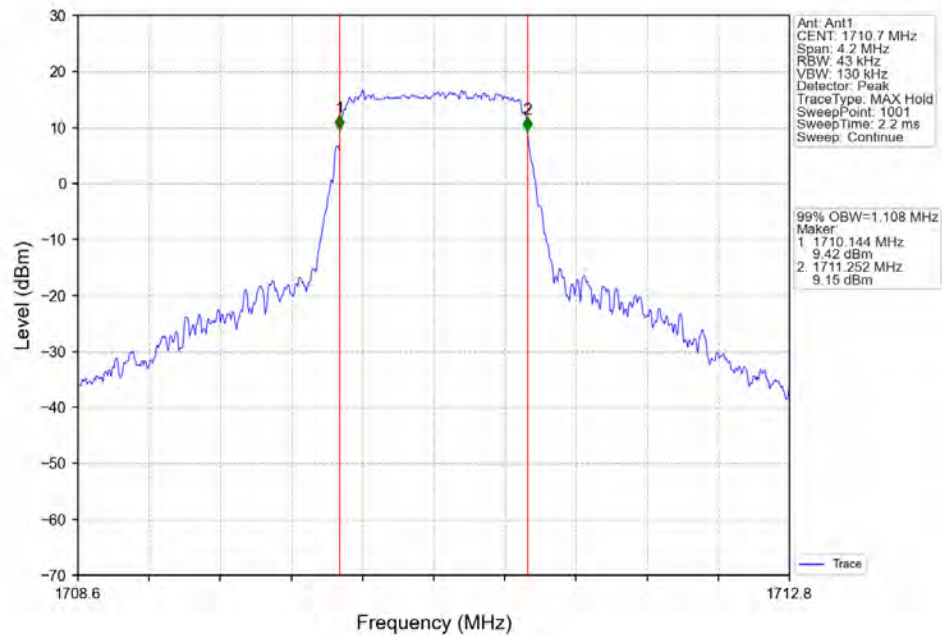
4.1.2 Test Graph



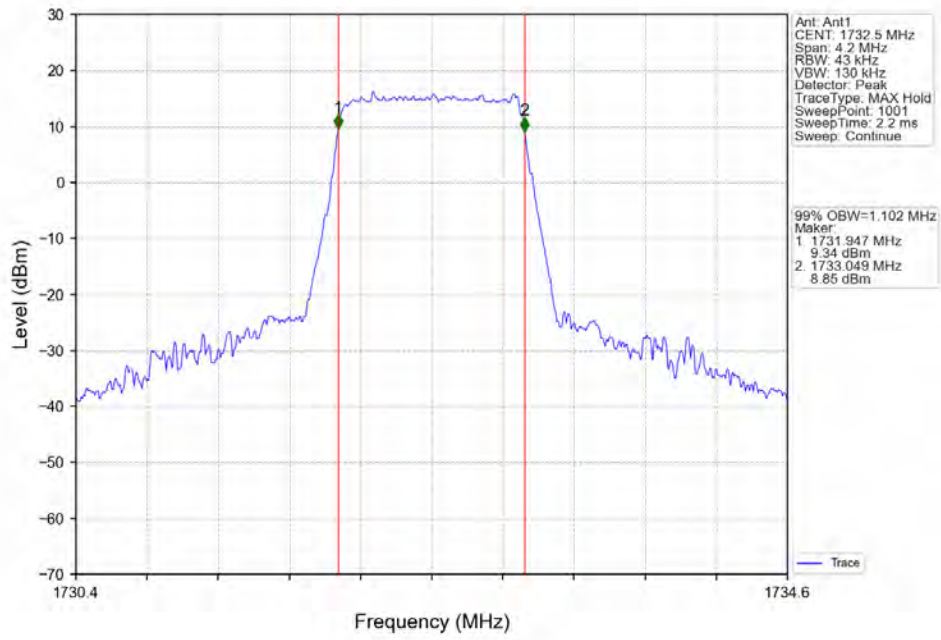
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



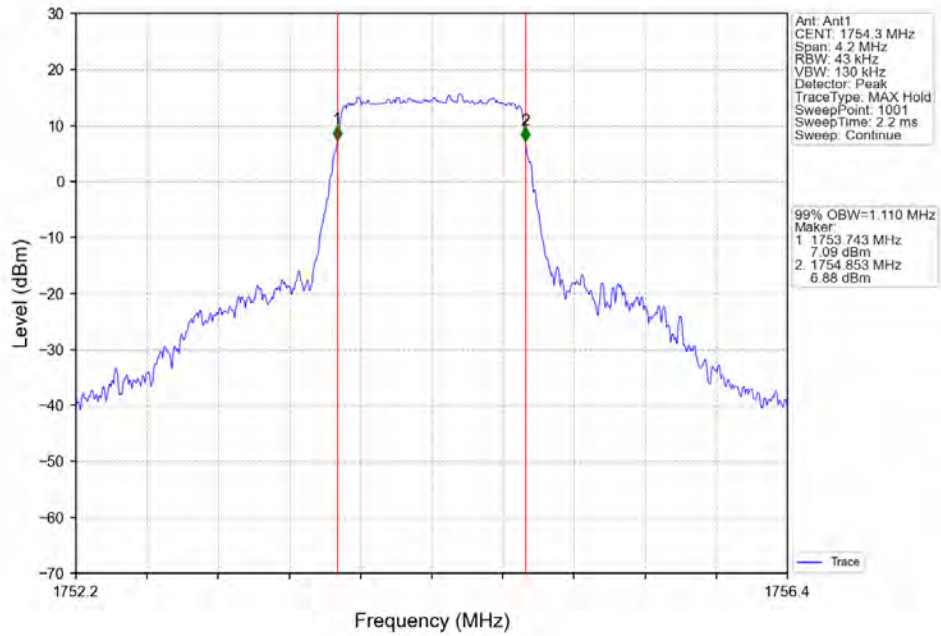
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



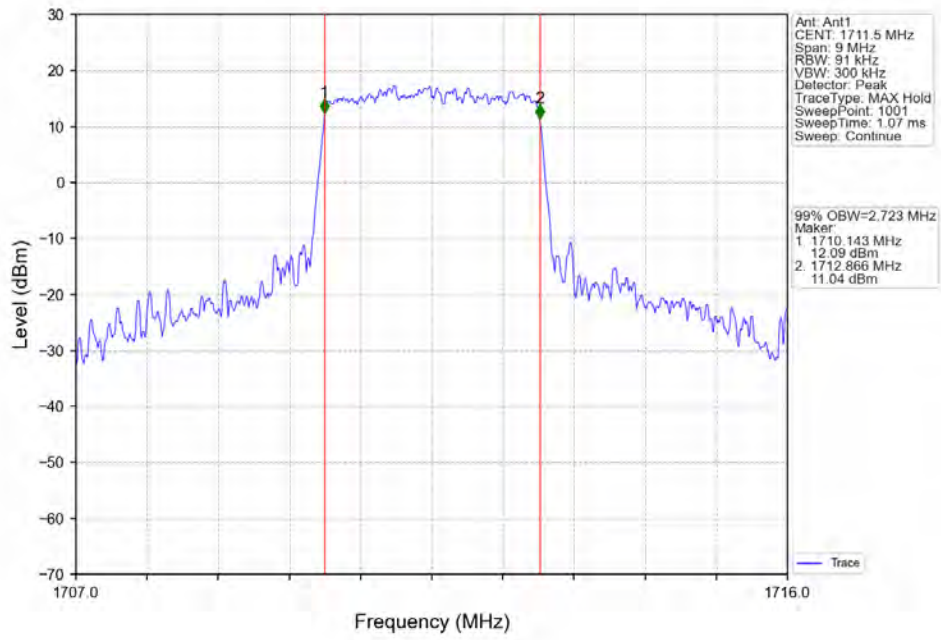
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



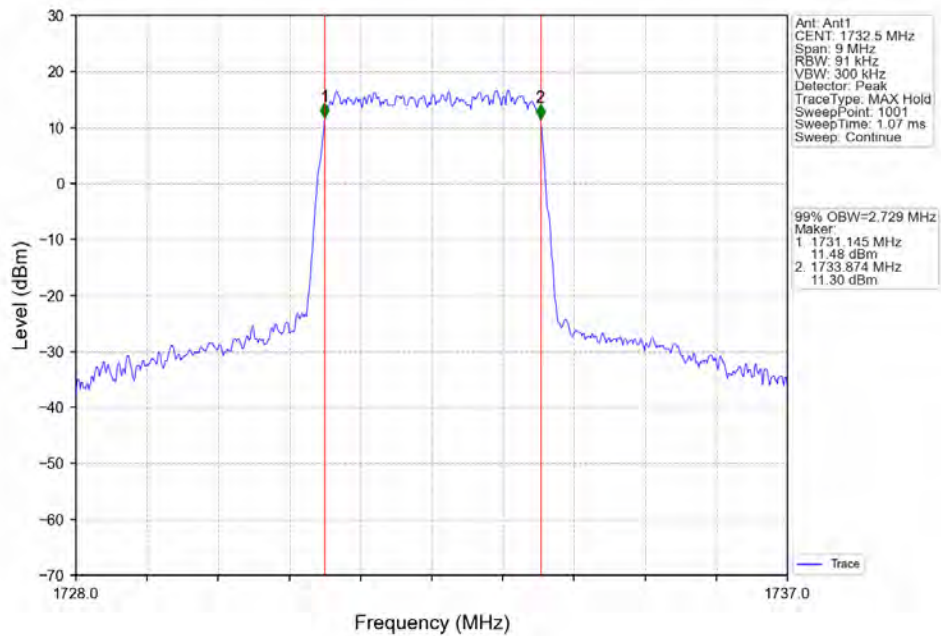
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



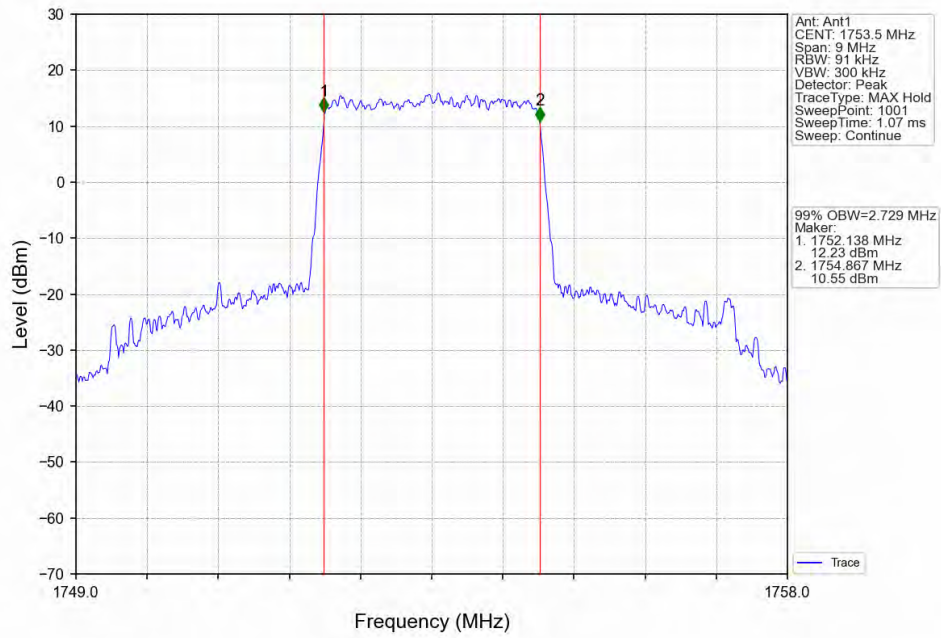
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTN



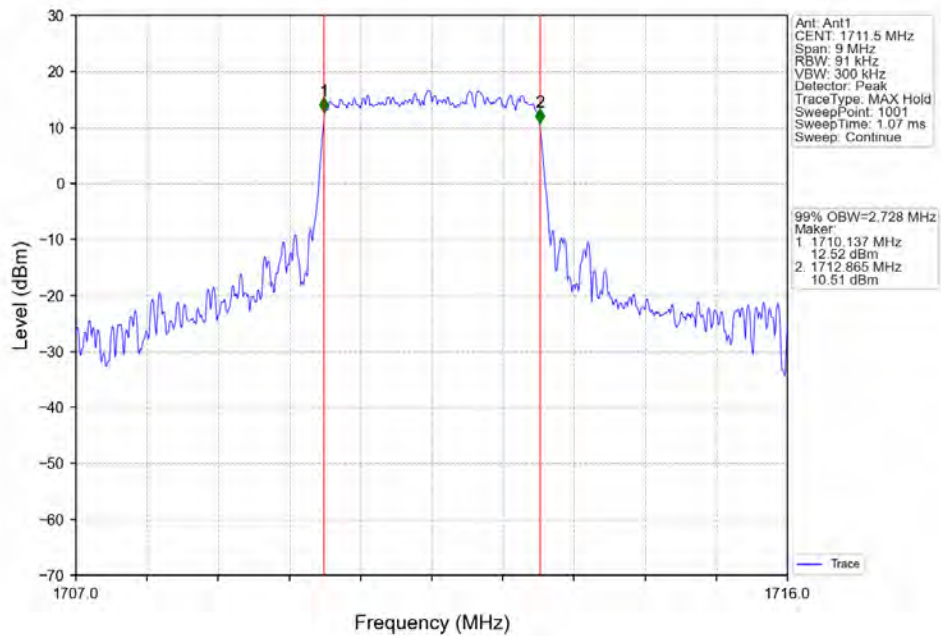
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTN



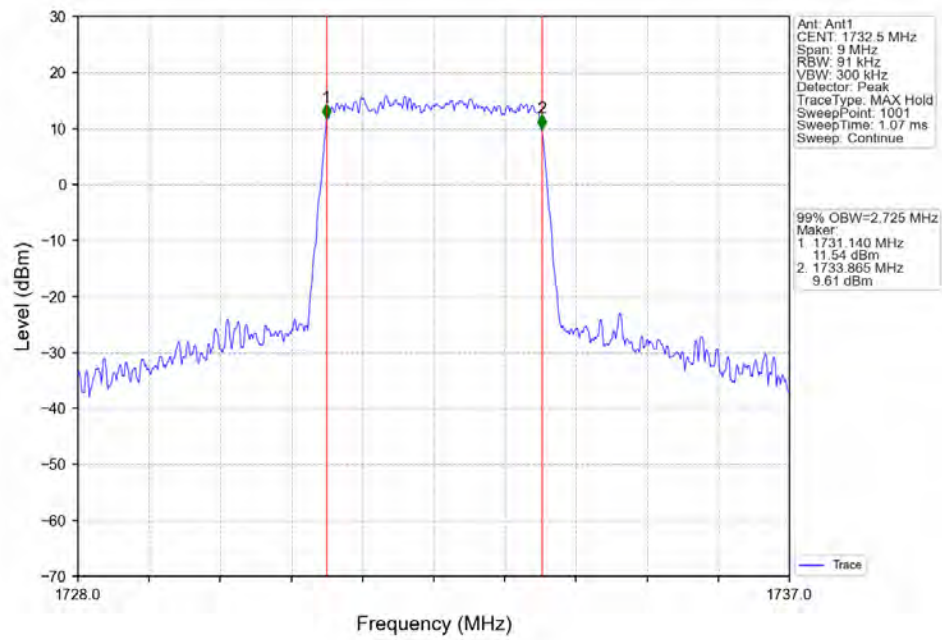
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTN



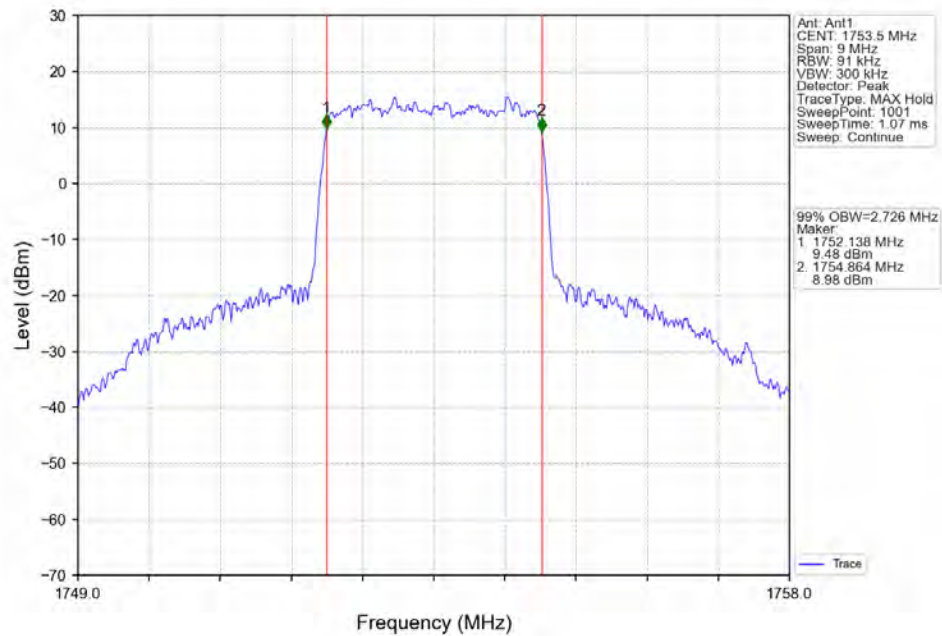
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTN



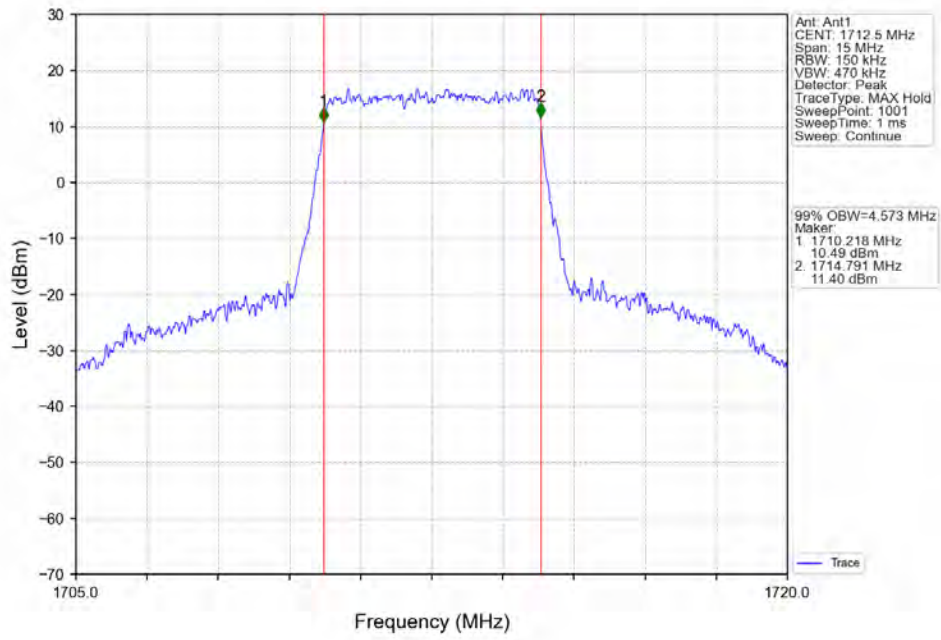
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



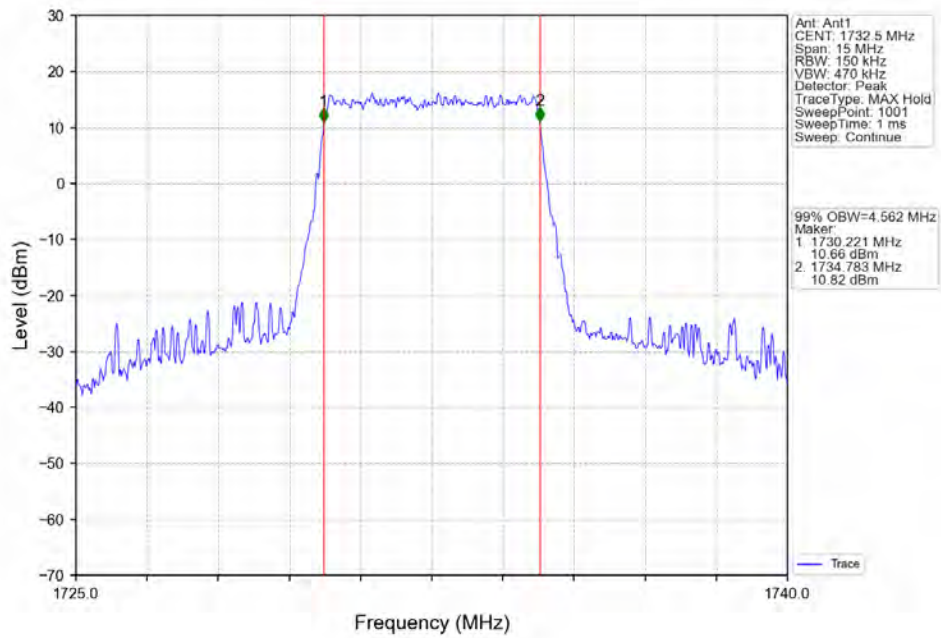
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



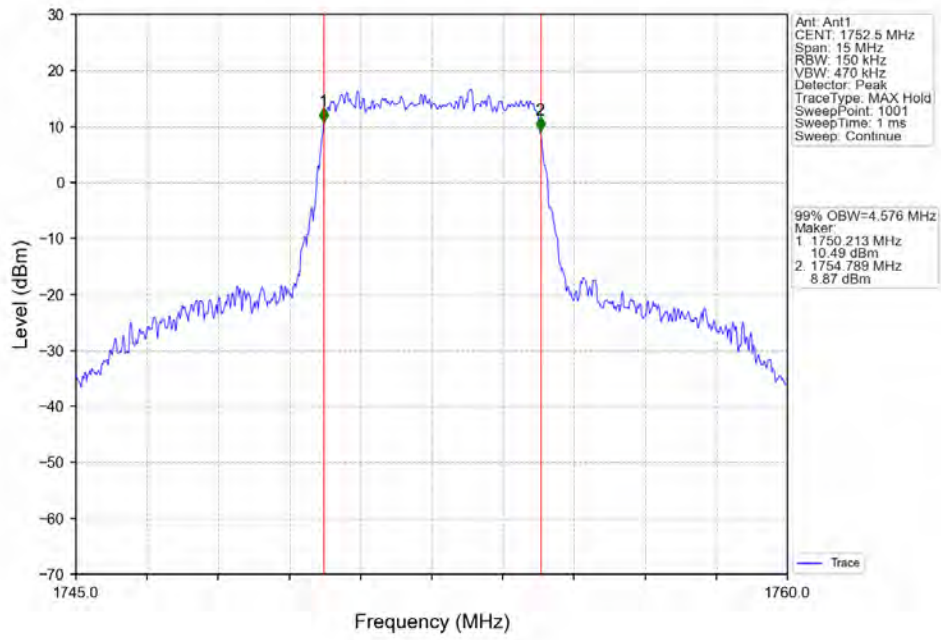
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



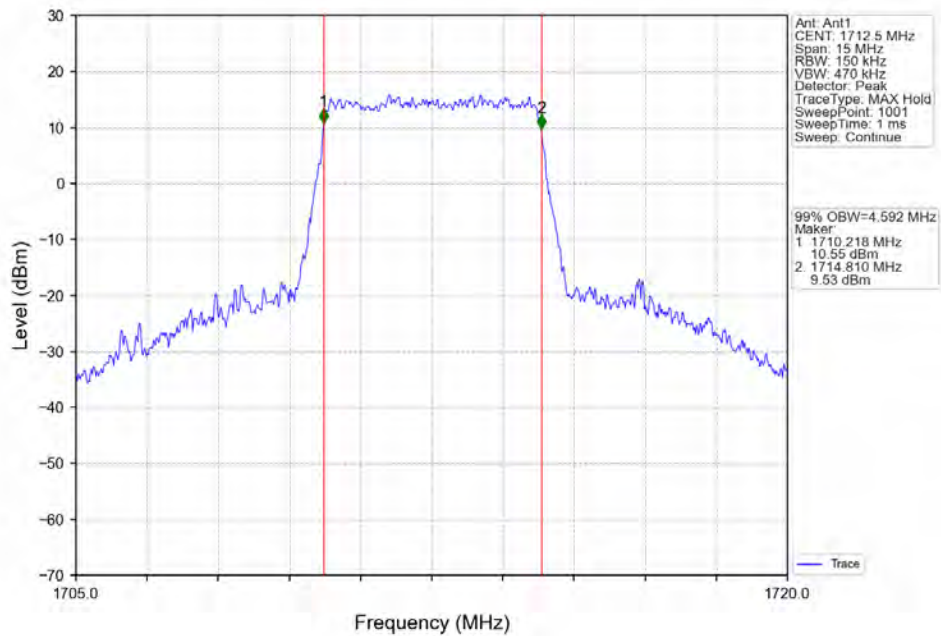
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



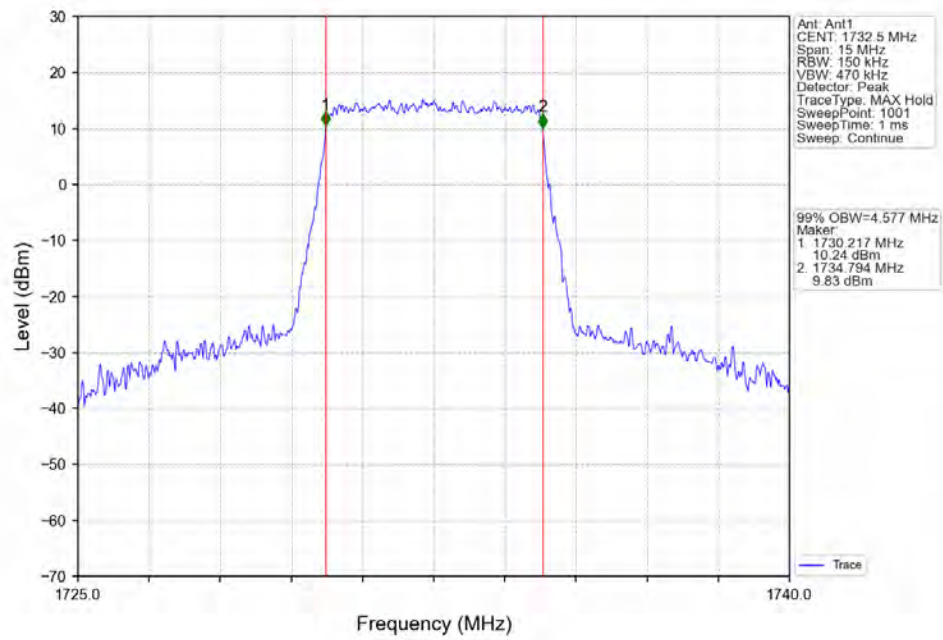
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



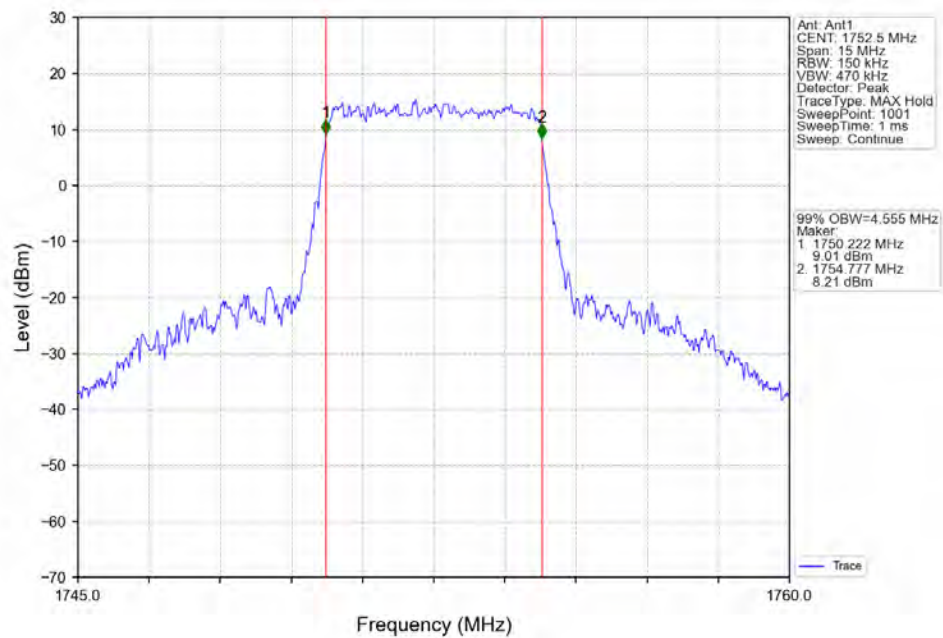
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



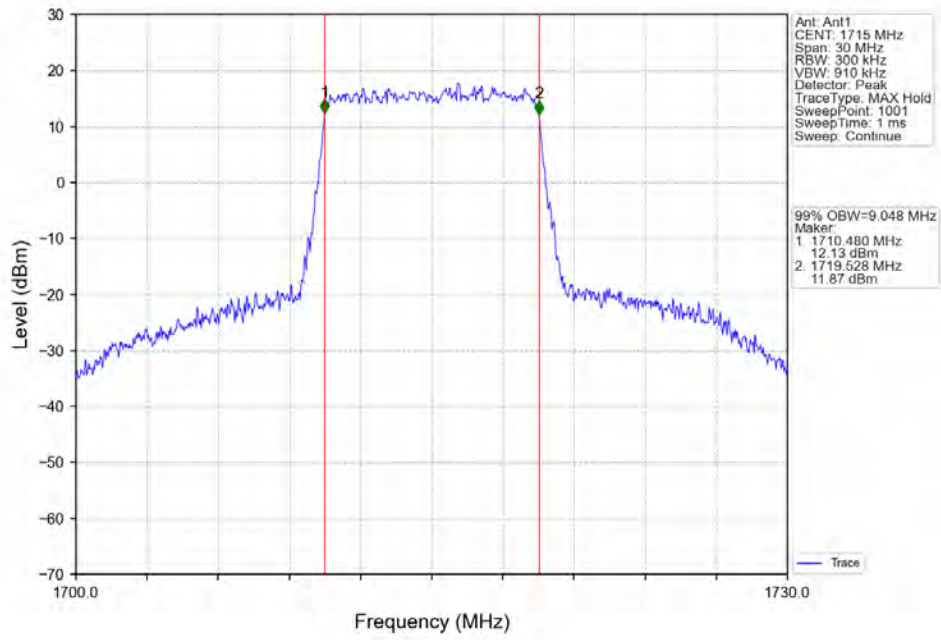
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



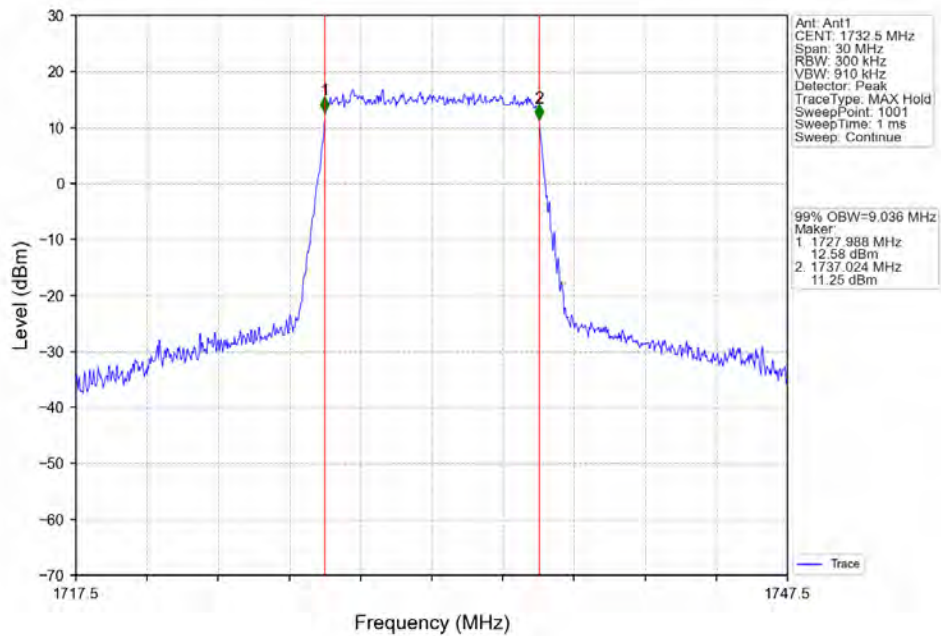
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



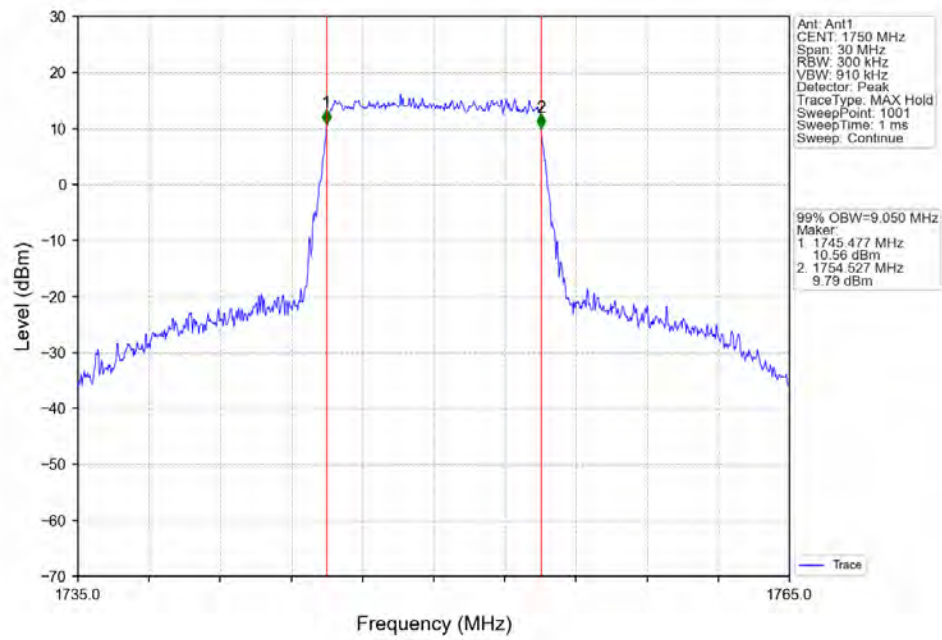
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



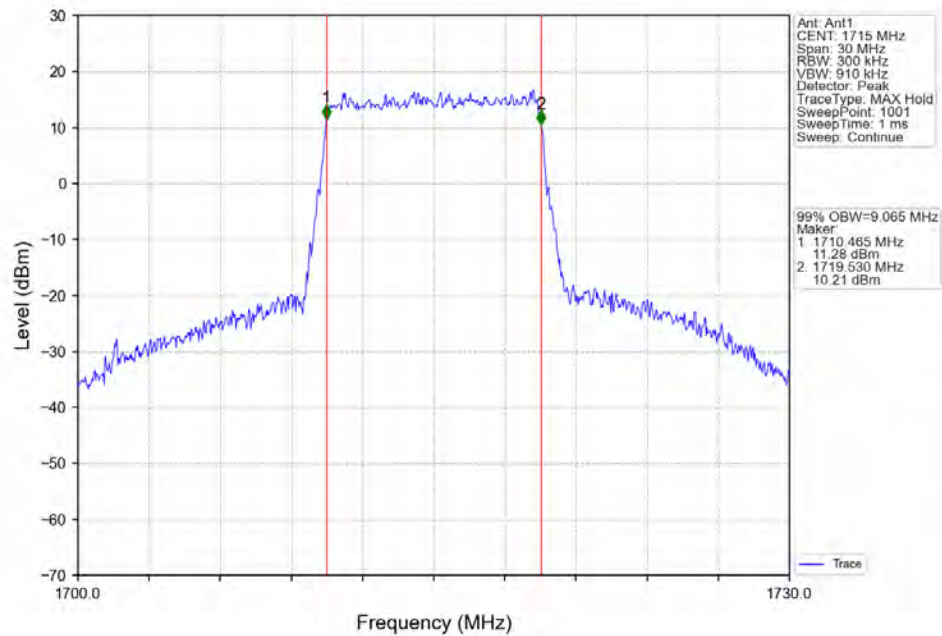
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



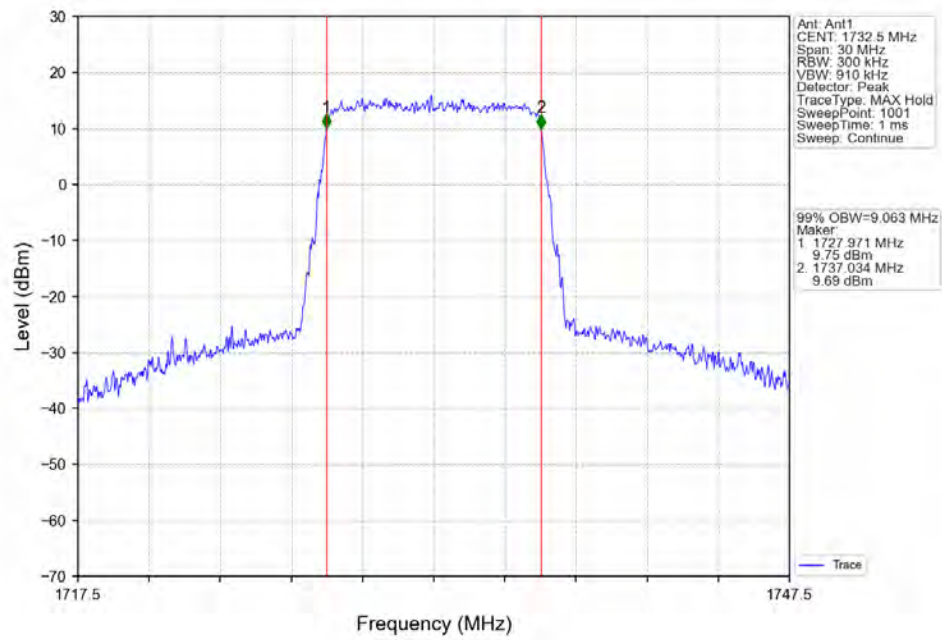
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



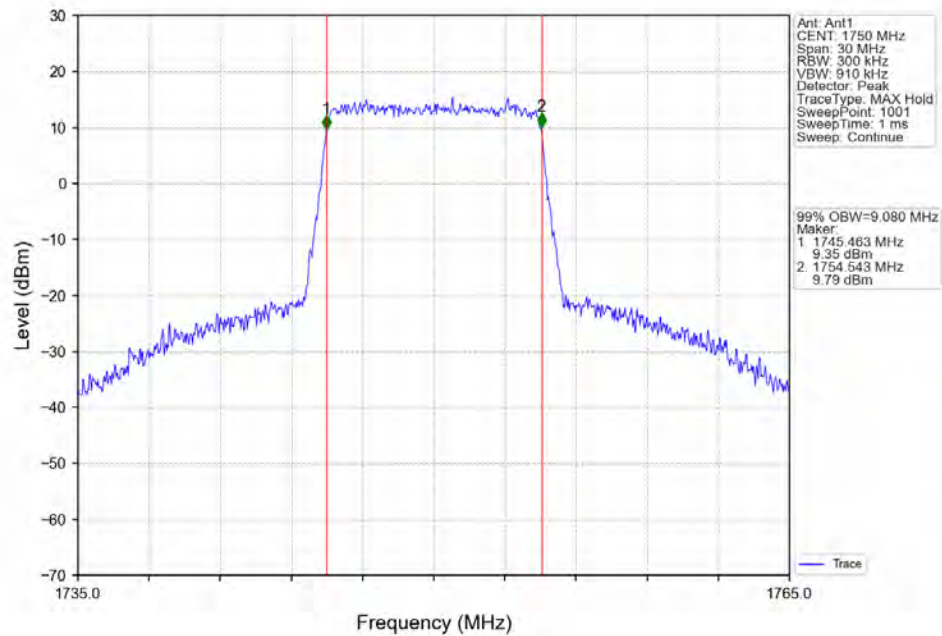
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



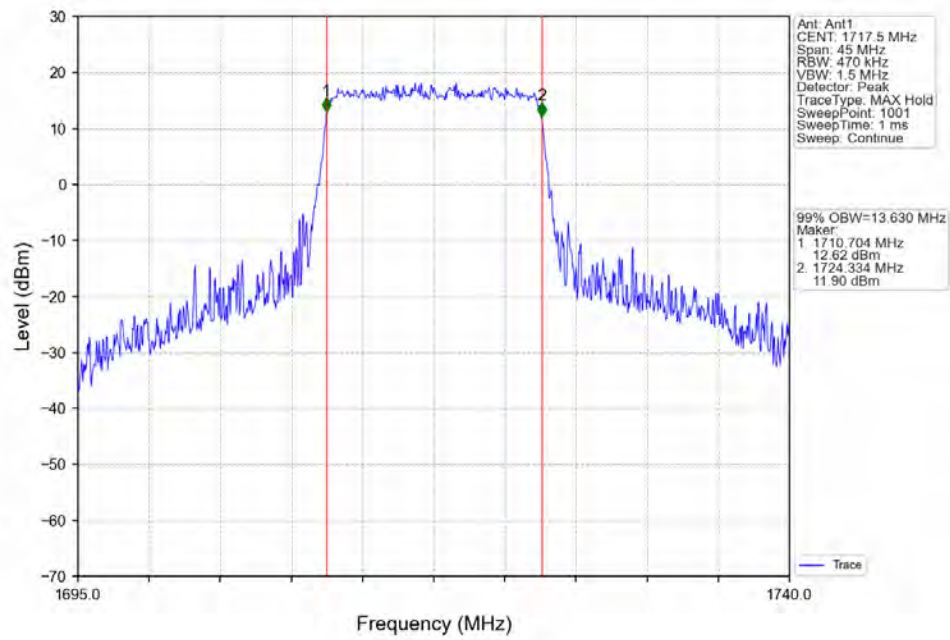
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



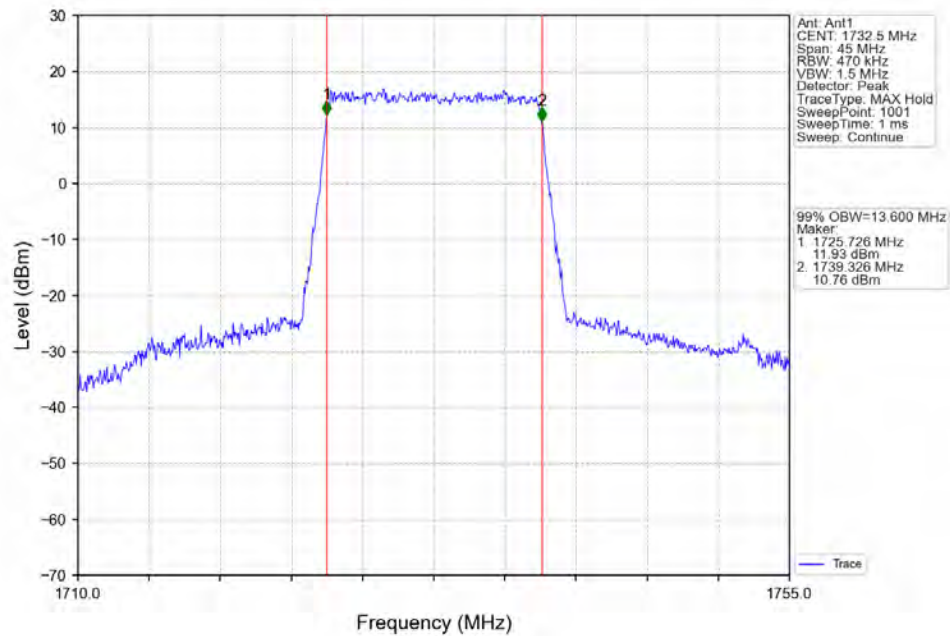
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



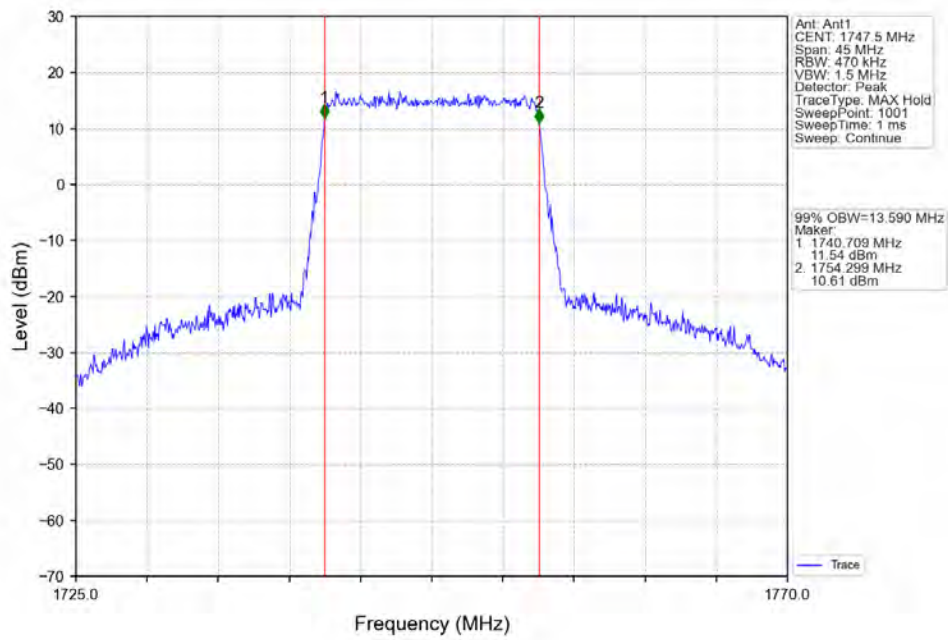
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



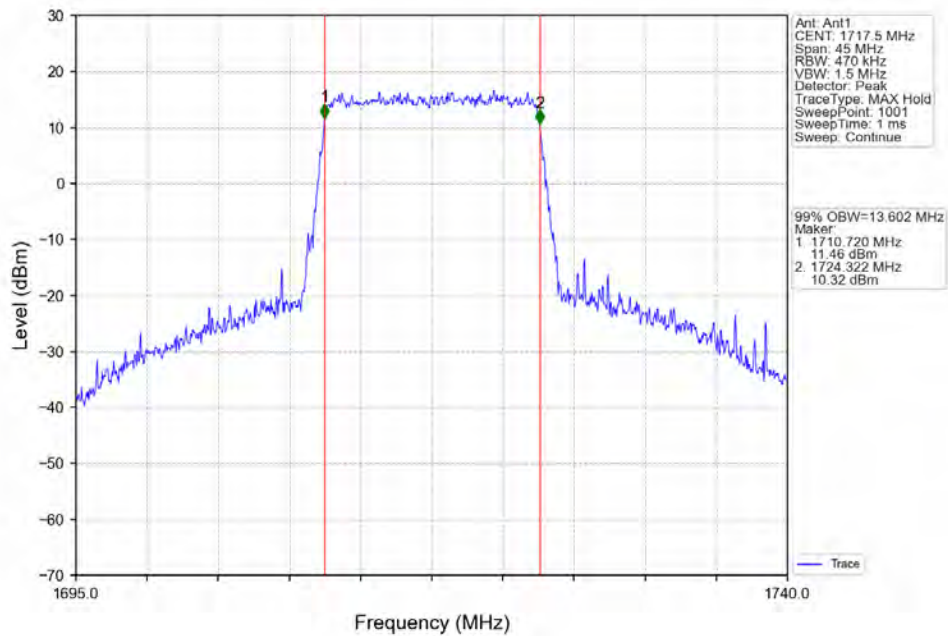
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



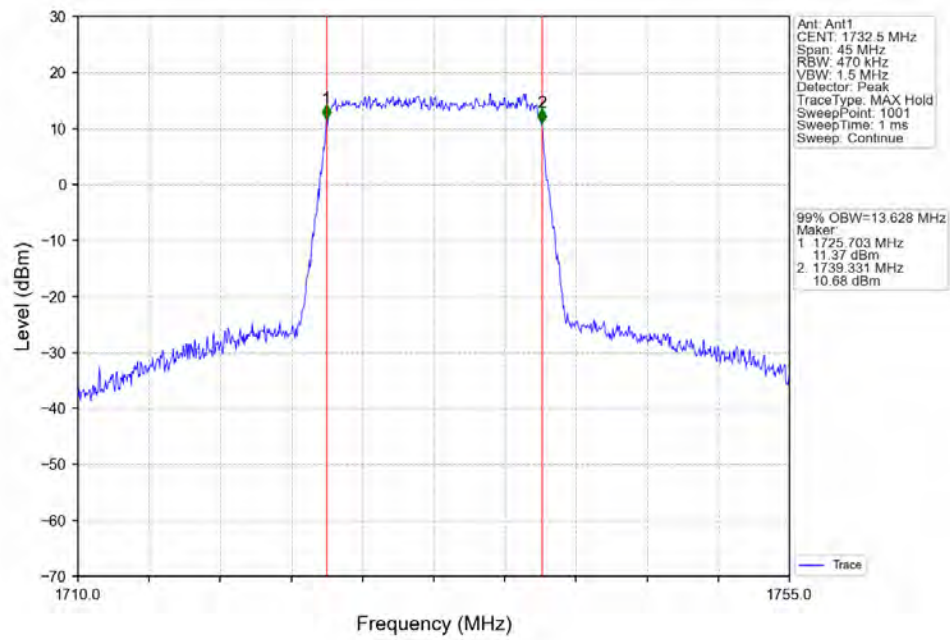
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



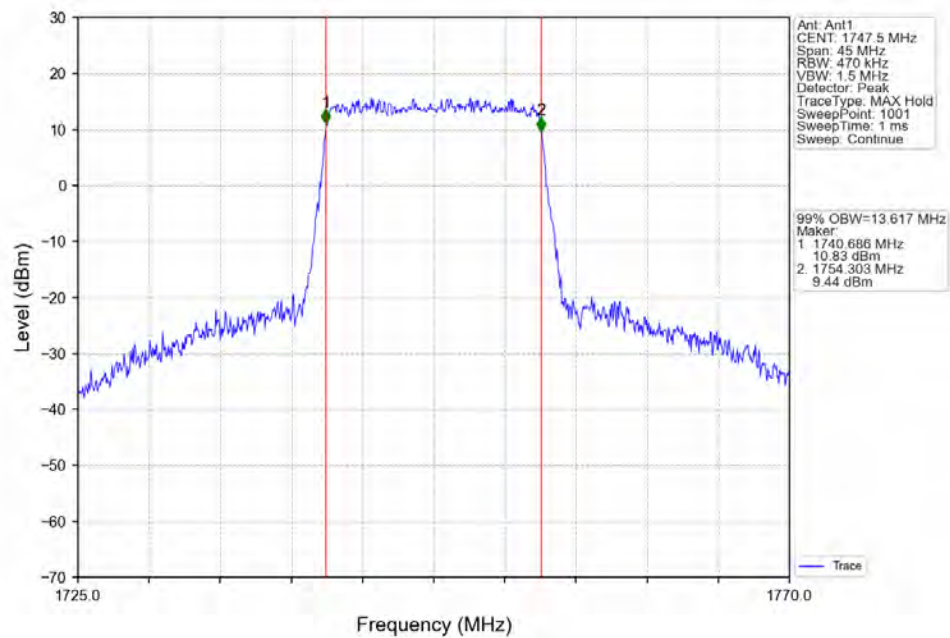
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



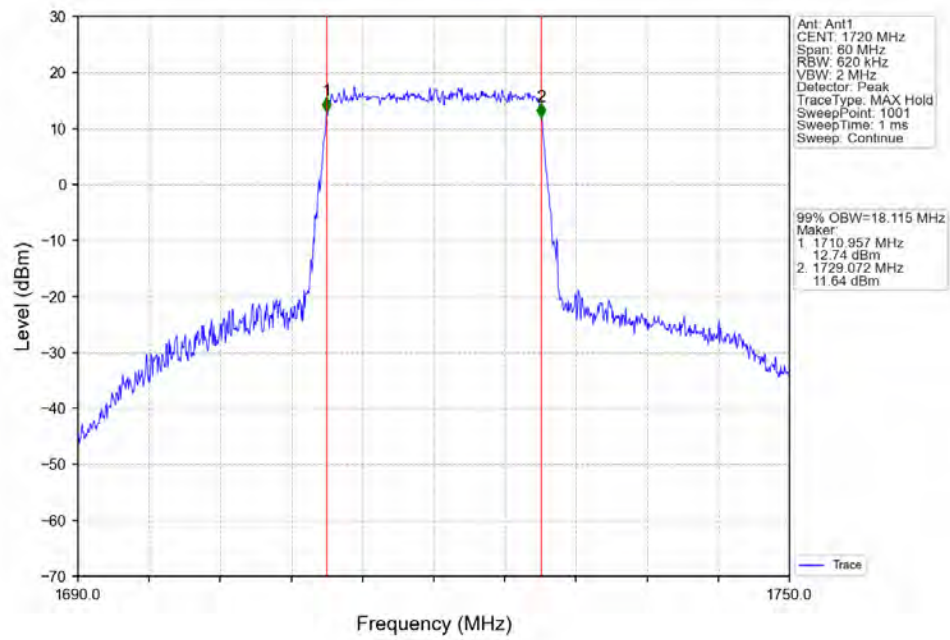
Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



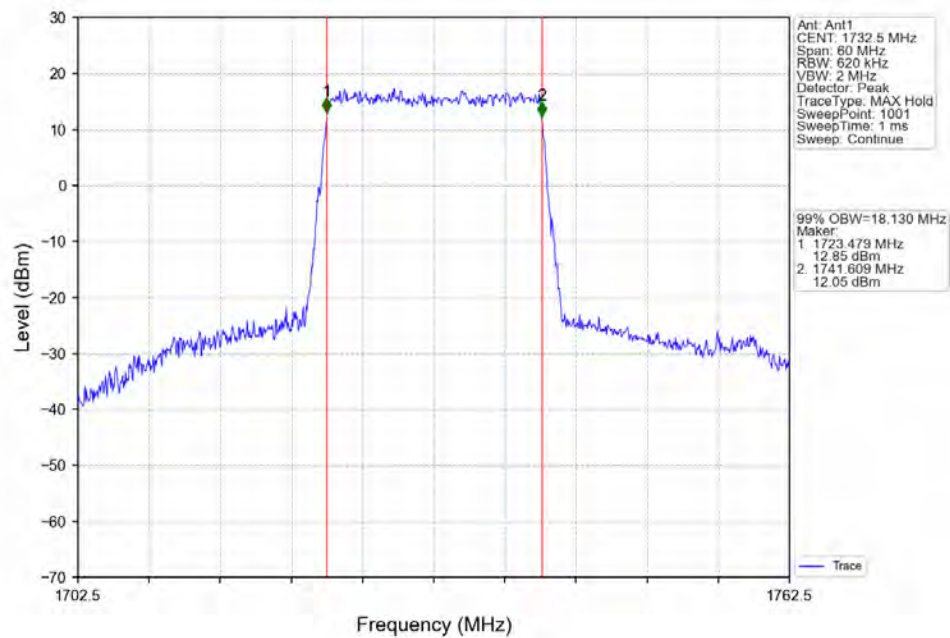
Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV



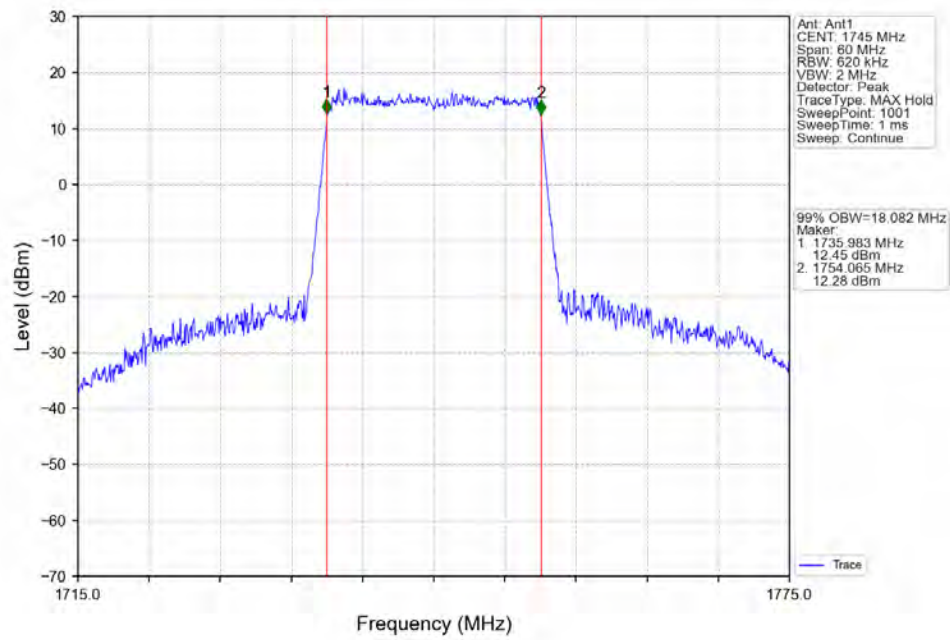
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



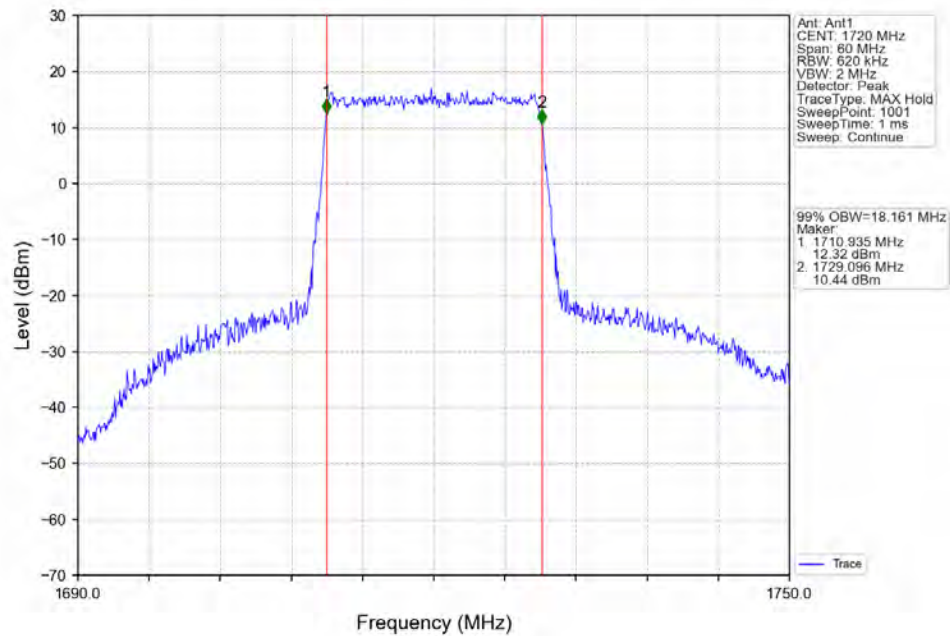
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



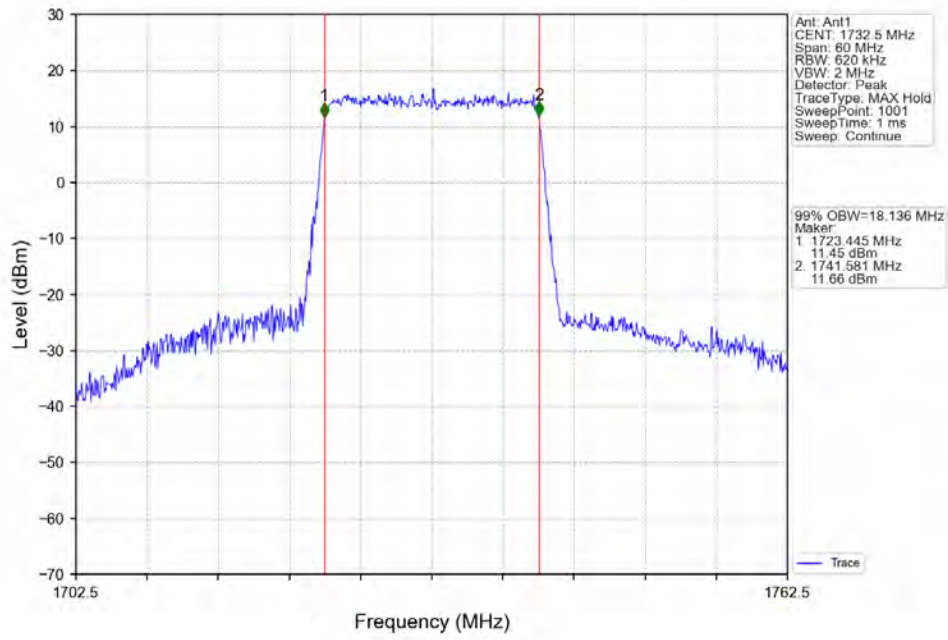
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



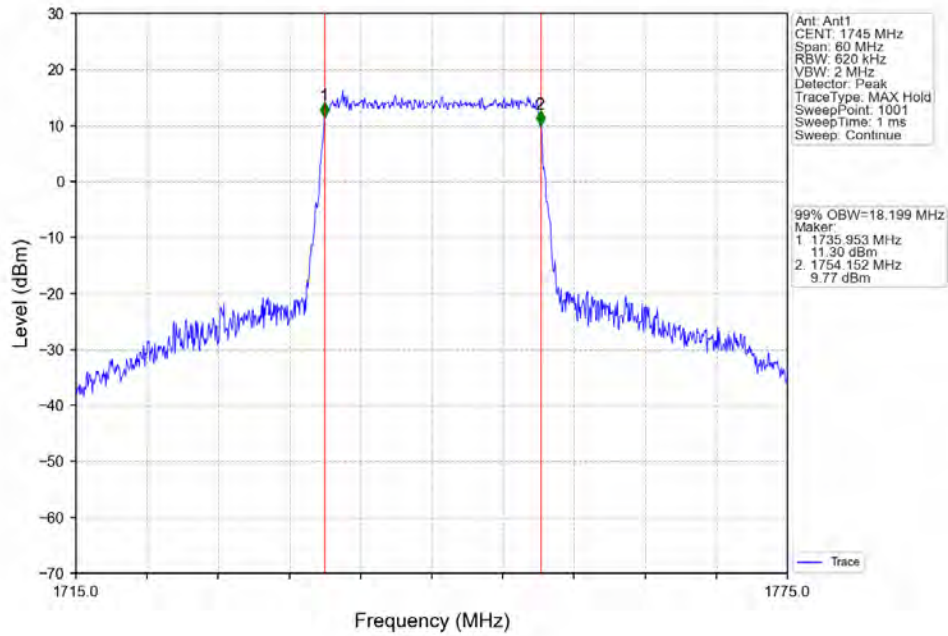
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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

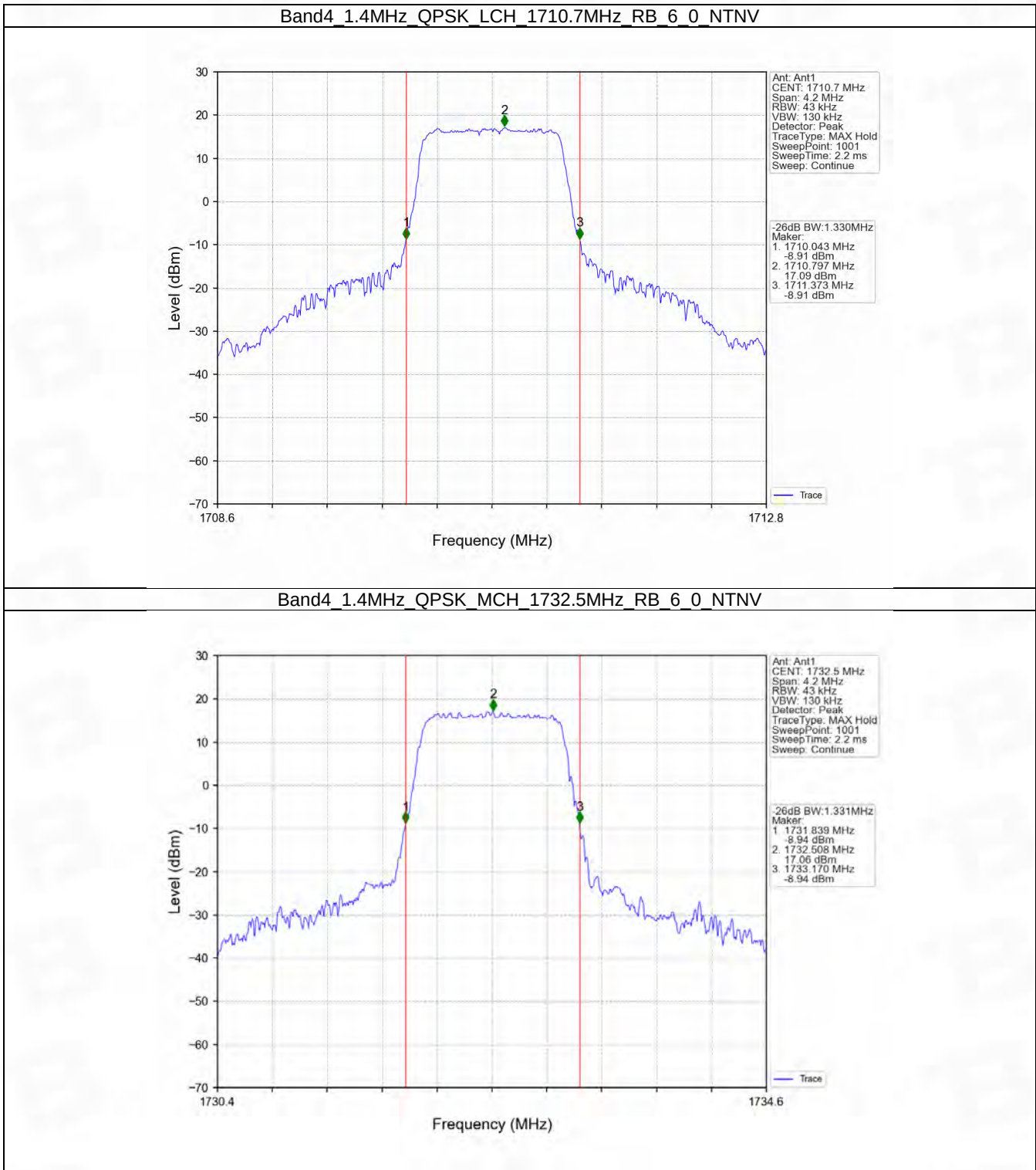


4.2 Band4_XDB

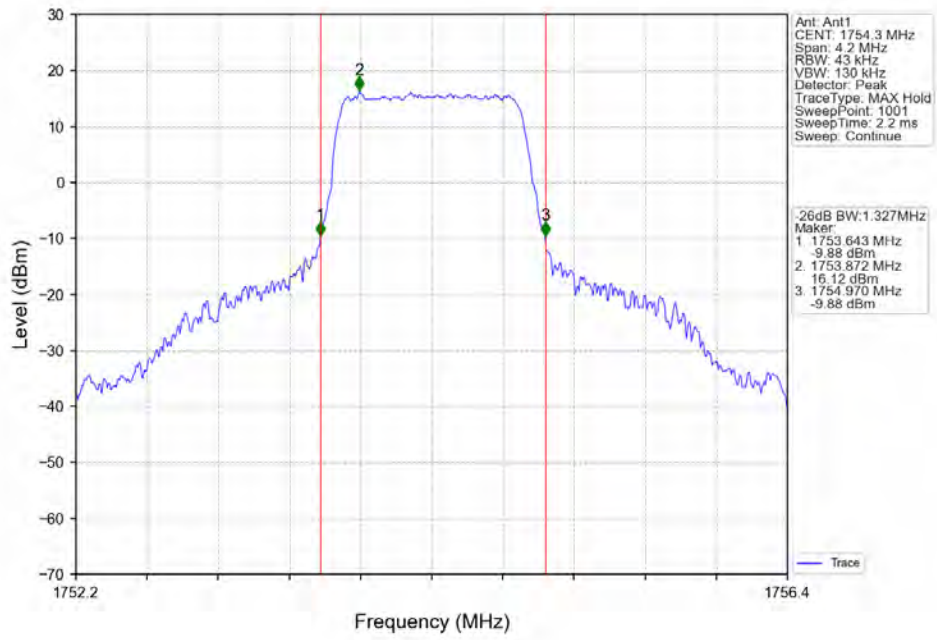
4.2.1 Test Result

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	1.330	/	Pass
		1732.5	6	0	1.331	/	Pass
		1754.3	6	0	1.327	/	Pass
	16QAM	1710.7	6	0	1.323	/	Pass
		1732.5	6	0	1.302	/	Pass
		1754.3	6	0	1.316	/	Pass
3	QPSK	1711.5	15	0	2.994	/	Pass
		1732.5	15	0	3.003	/	Pass
		1753.5	15	0	3.005	/	Pass
	16QAM	1711.5	15	0	3.283	/	Pass
		1732.5	15	0	2.984	/	Pass
		1753.5	15	0	2.973	/	Pass
5	QPSK	1712.5	25	0	5.296	/	Pass
		1732.5	25	0	5.244	/	Pass
		1752.5	25	0	5.242	/	Pass
	16QAM	1712.5	25	0	5.268	/	Pass
		1732.5	25	0	5.306	/	Pass
		1752.5	25	0	5.261	/	Pass
10	QPSK	1715	50	0	10.209	/	Pass
		1732.5	50	0	10.299	/	Pass
		1750	50	0	10.376	/	Pass
	16QAM	1715	50	0	10.242	/	Pass
		1732.5	50	0	10.169	/	Pass
		1750	50	0	10.207	/	Pass
15	QPSK	1717.5	75	0	17.057	/	Pass
		1732.5	75	0	15.331	/	Pass
		1747.5	75	0	15.422	/	Pass
	16QAM	1717.5	75	0	15.546	/	Pass
		1732.5	75	0	15.367	/	Pass
		1747.5	75	0	15.278	/	Pass
20	QPSK	1720	100	0	20.026	/	Pass
		1732.5	100	0	20.102	/	Pass
		1745	100	0	19.951	/	Pass
	16QAM	1720	100	0	19.920	/	Pass
		1732.5	100	0	20.249	/	Pass
		1745	100	0	20.019	/	Pass

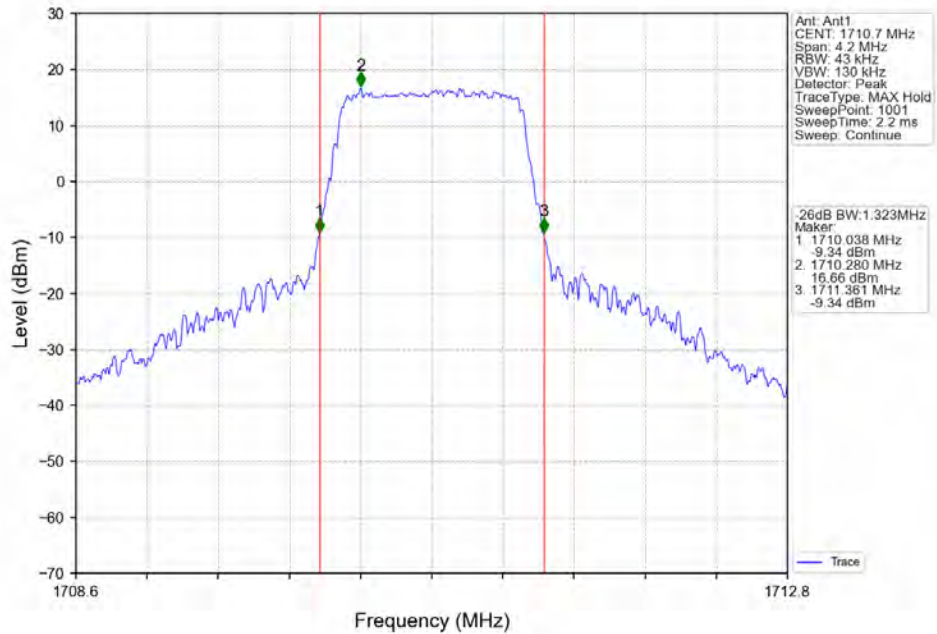
4.2.2 Test Graph



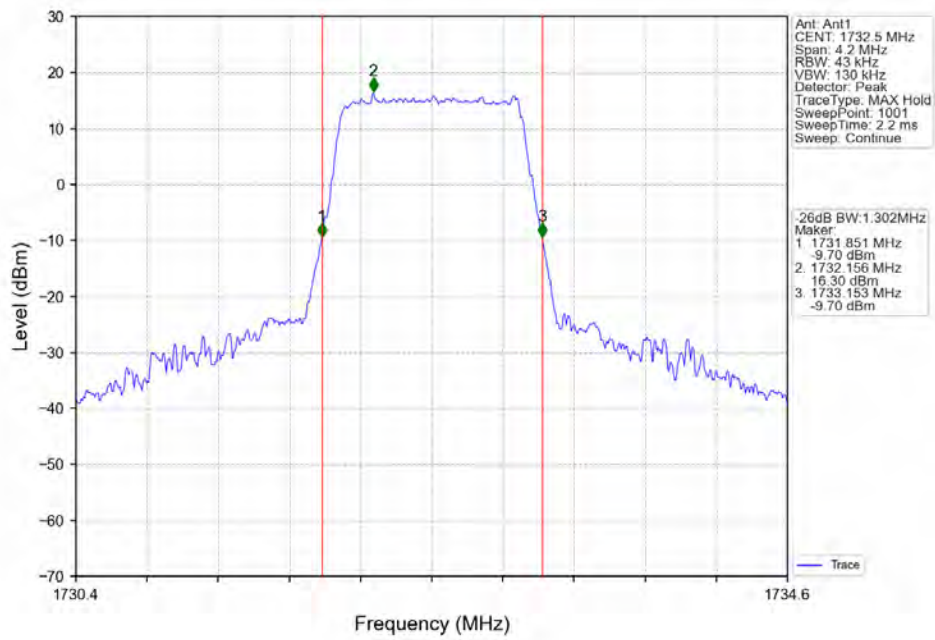
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



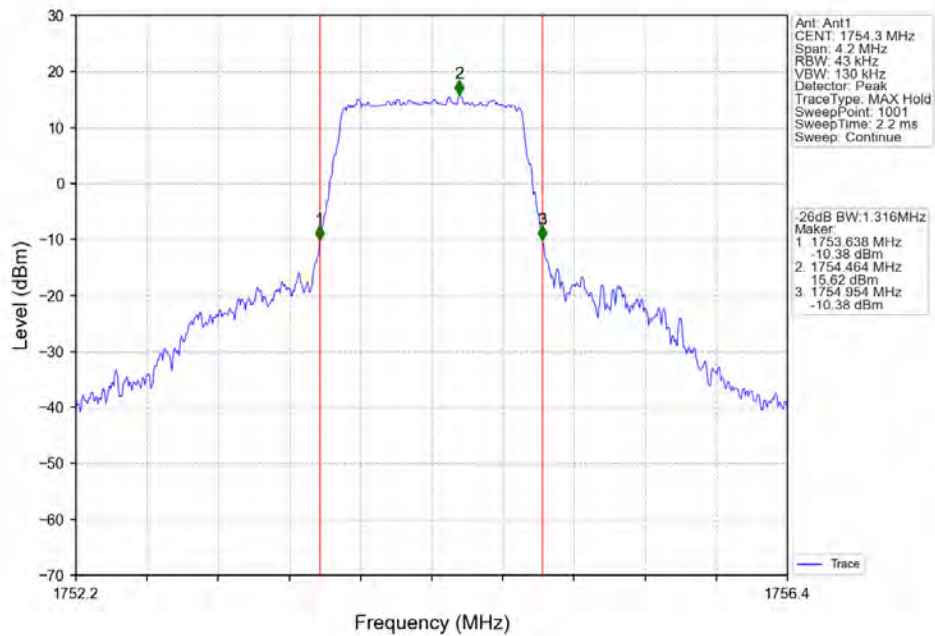
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



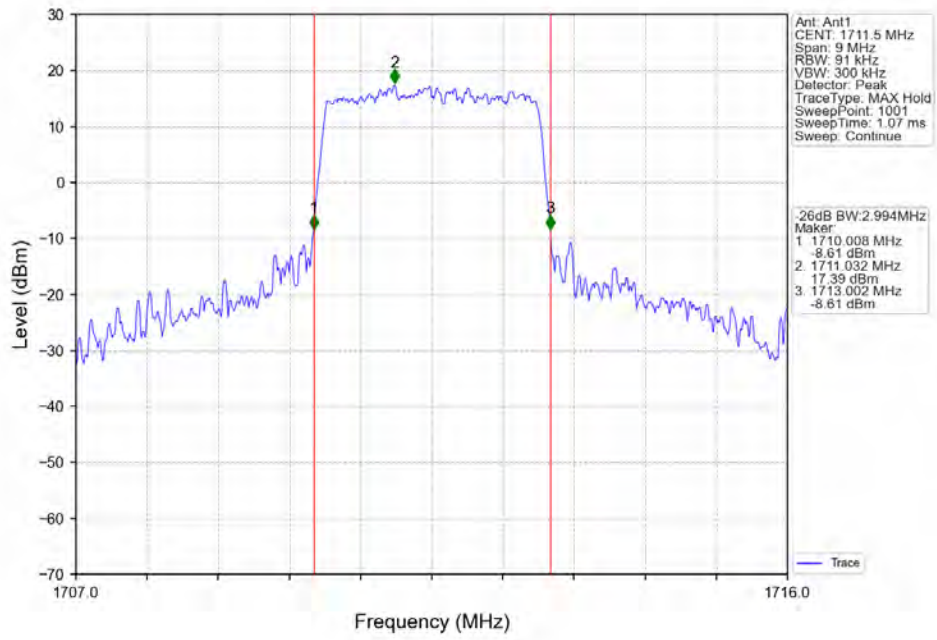
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



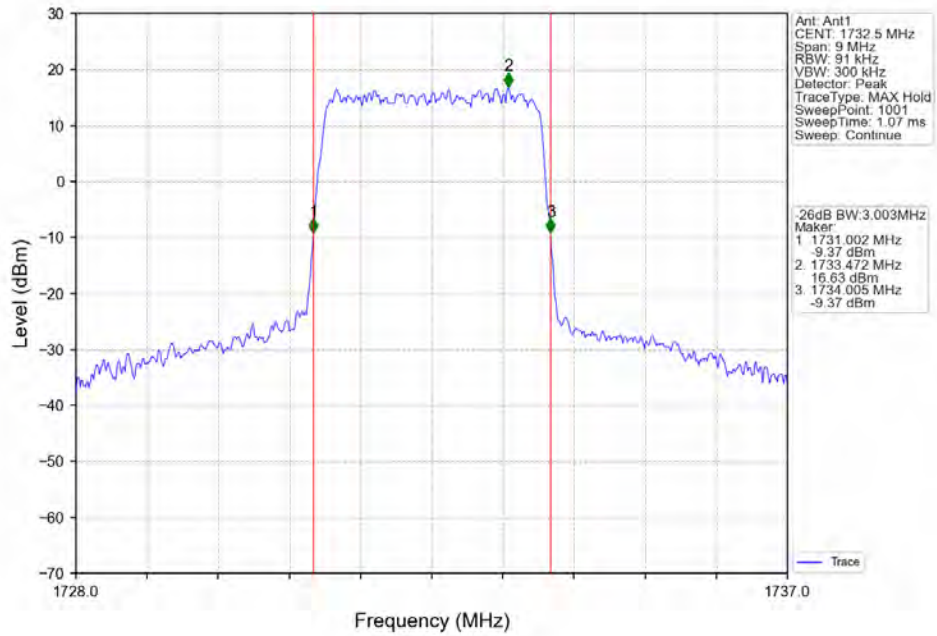
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



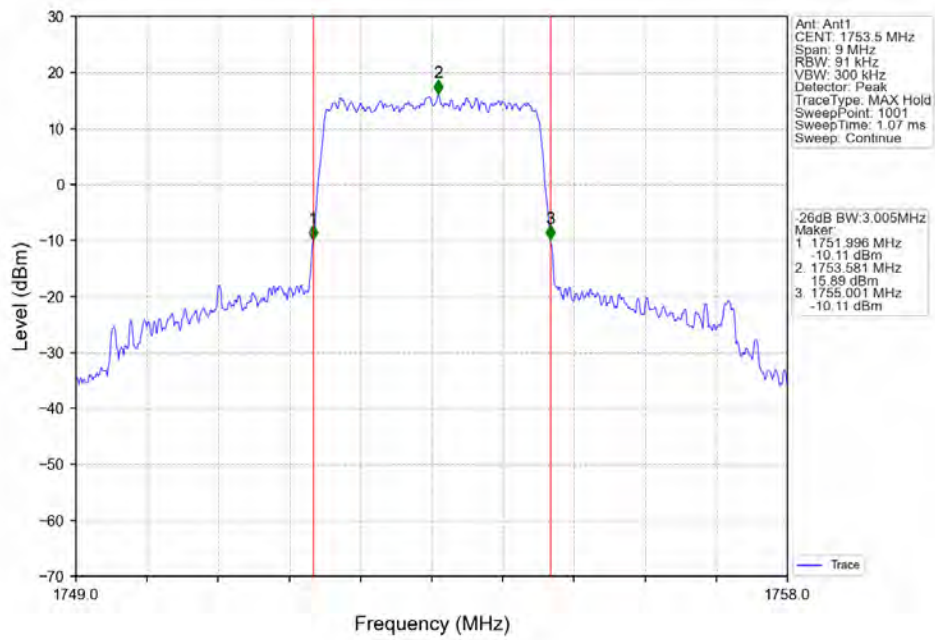
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



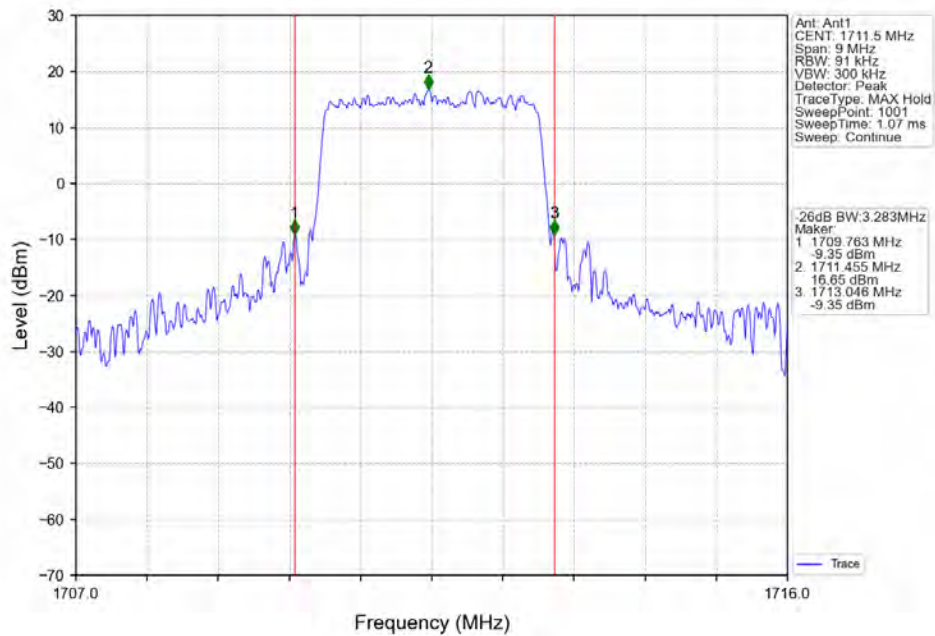
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



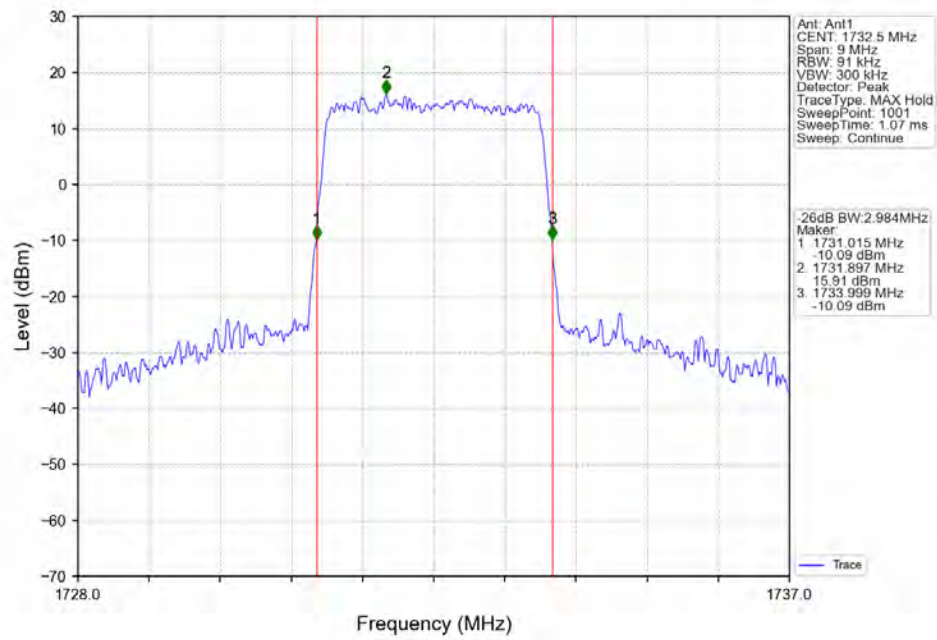
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



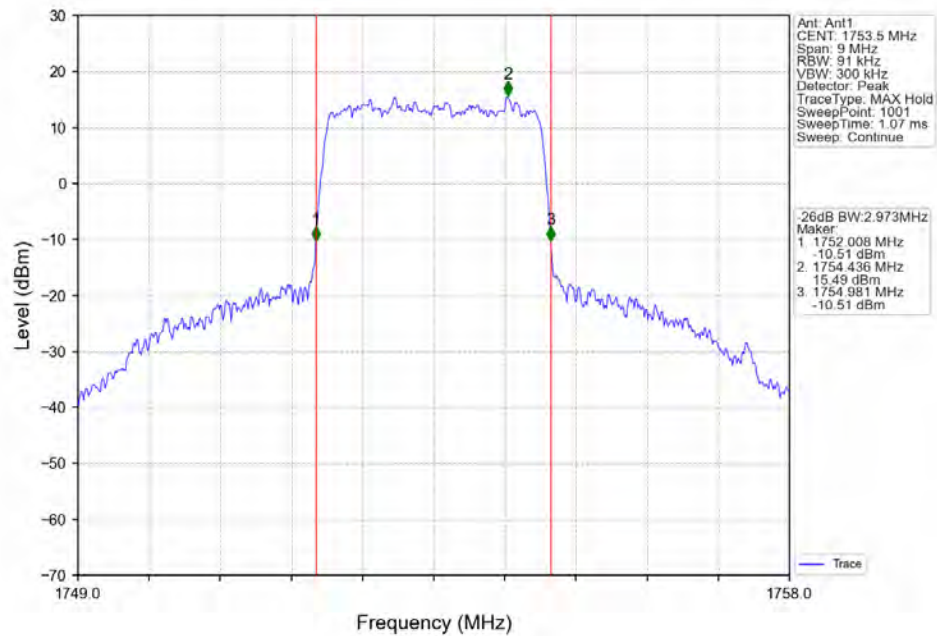
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



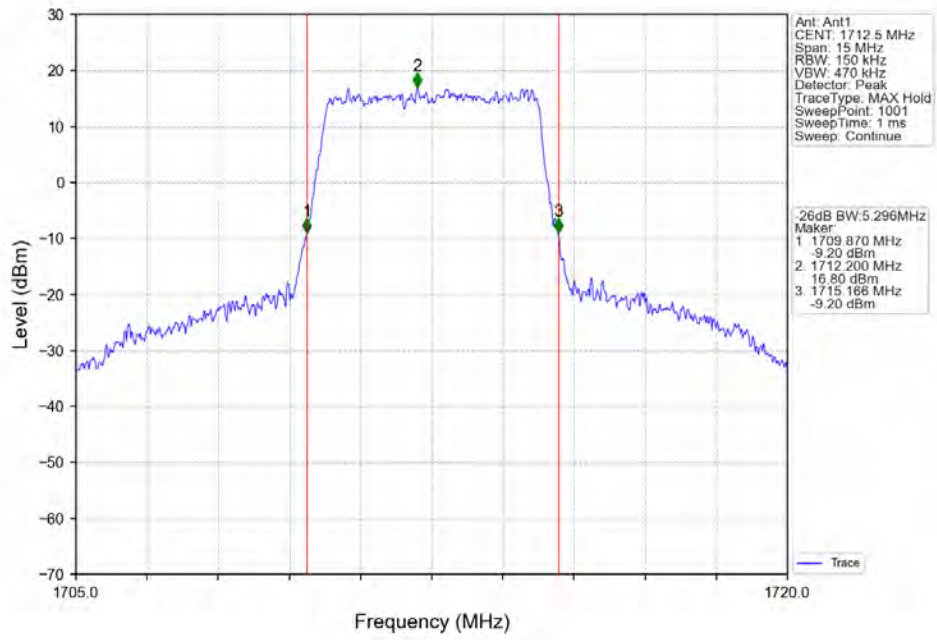
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



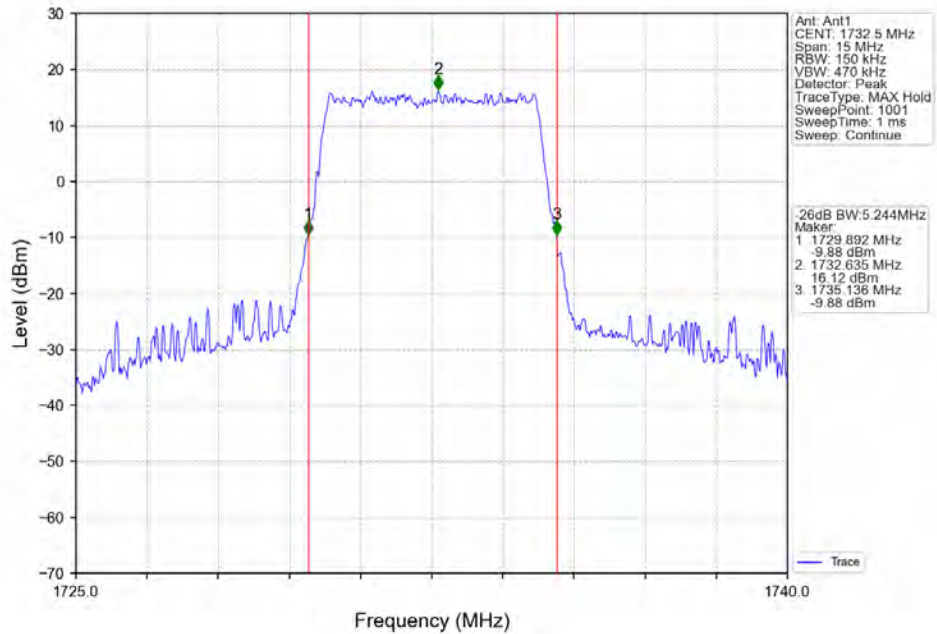
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



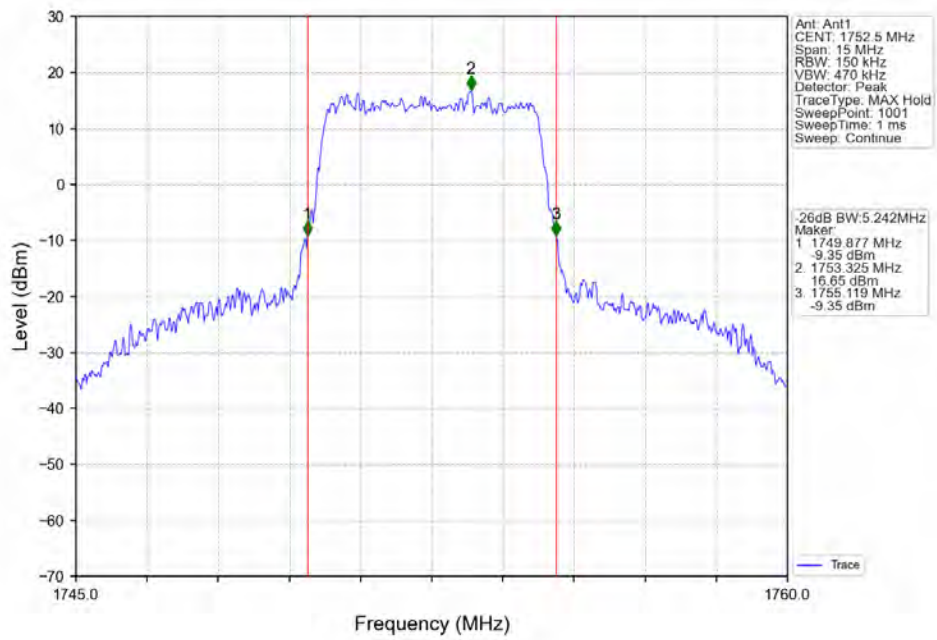
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



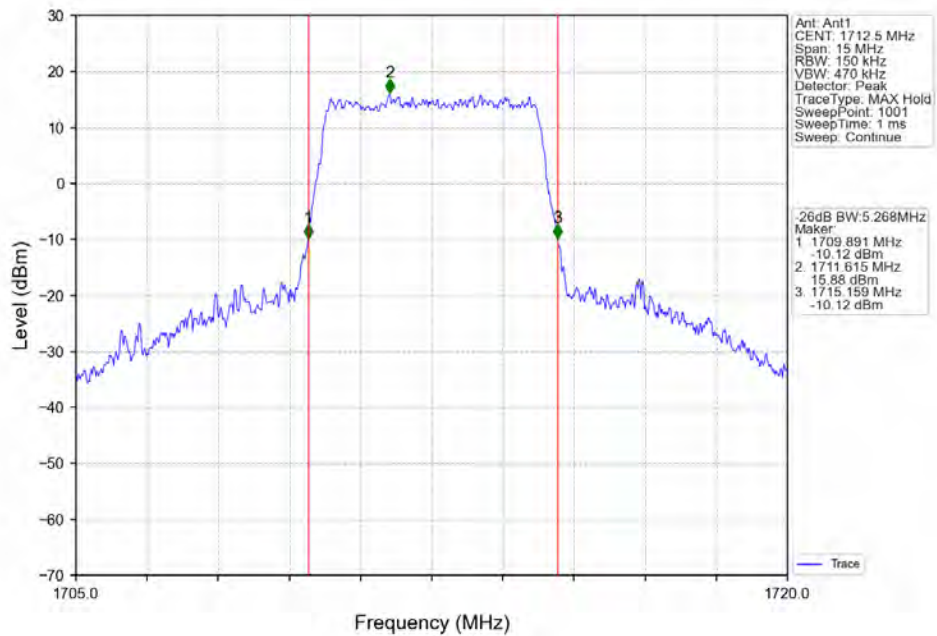
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



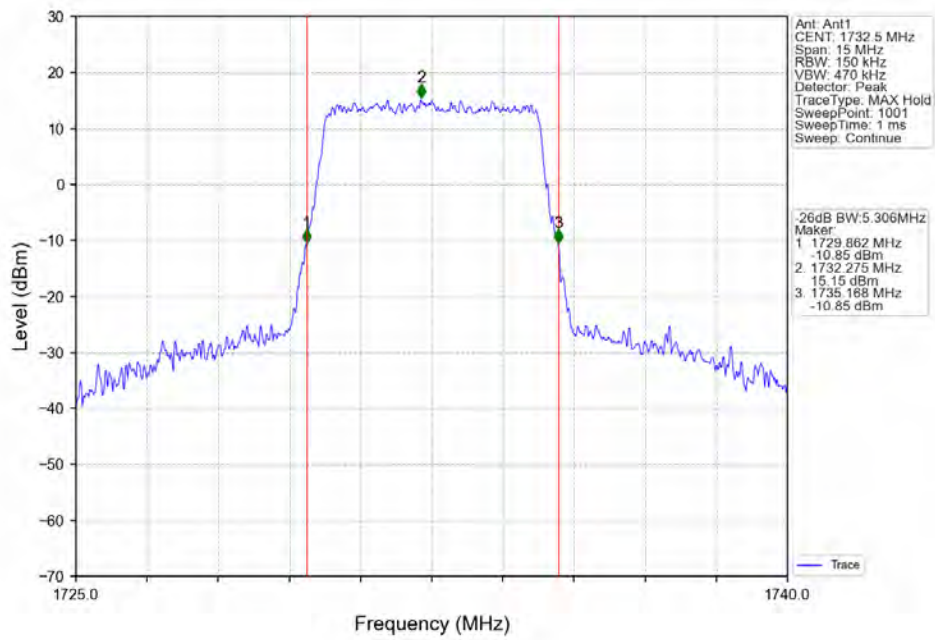
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



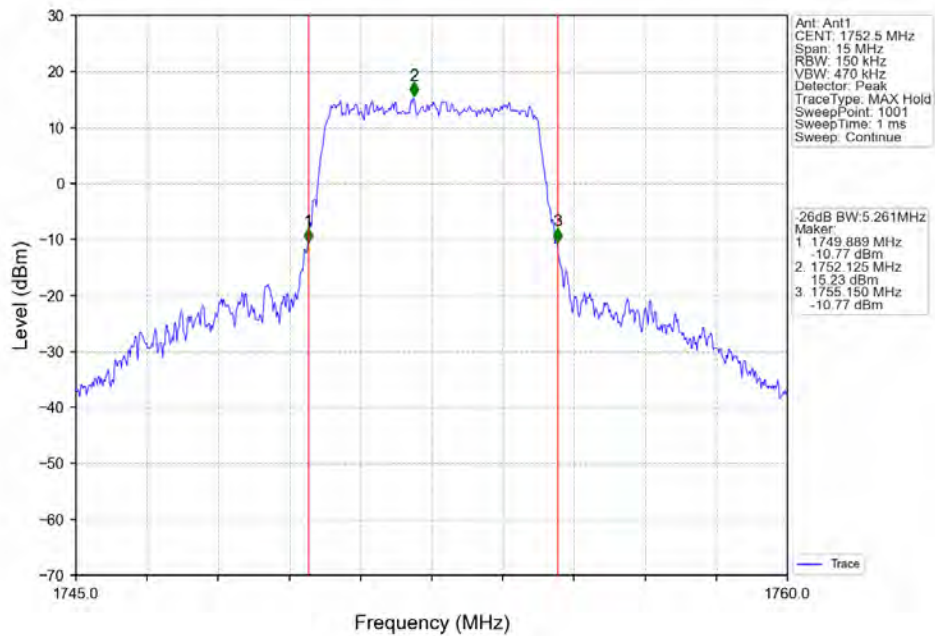
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



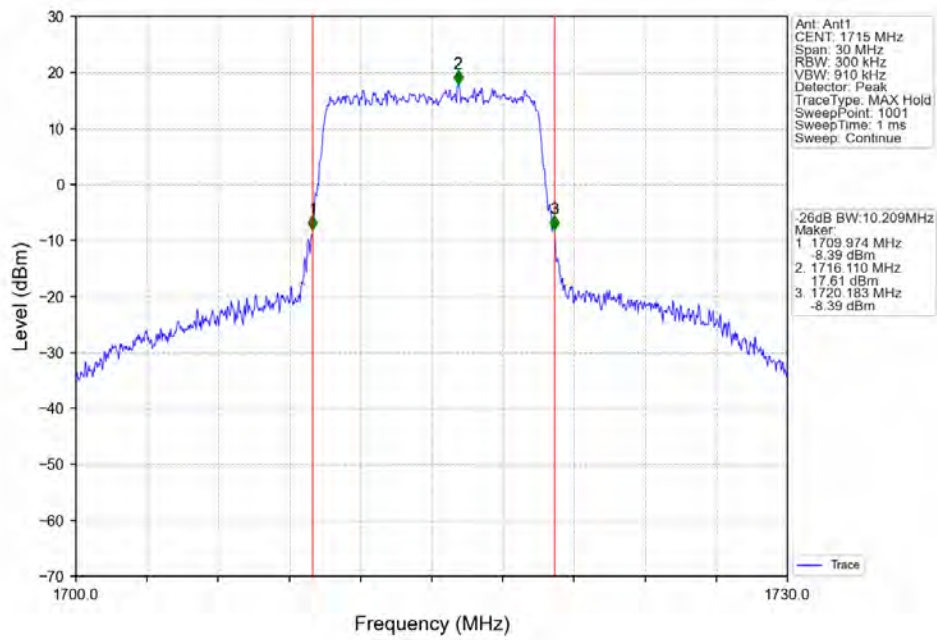
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



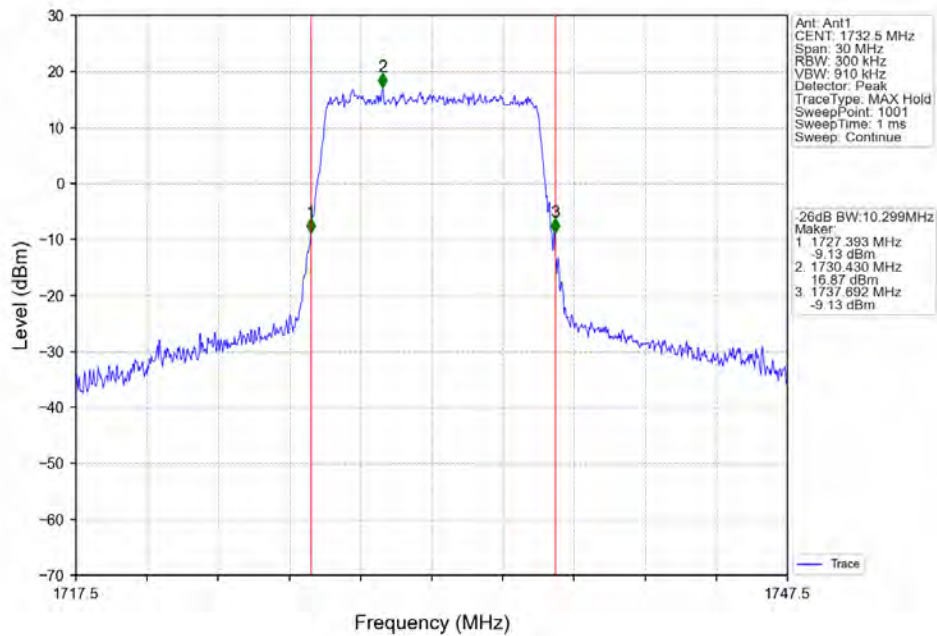
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



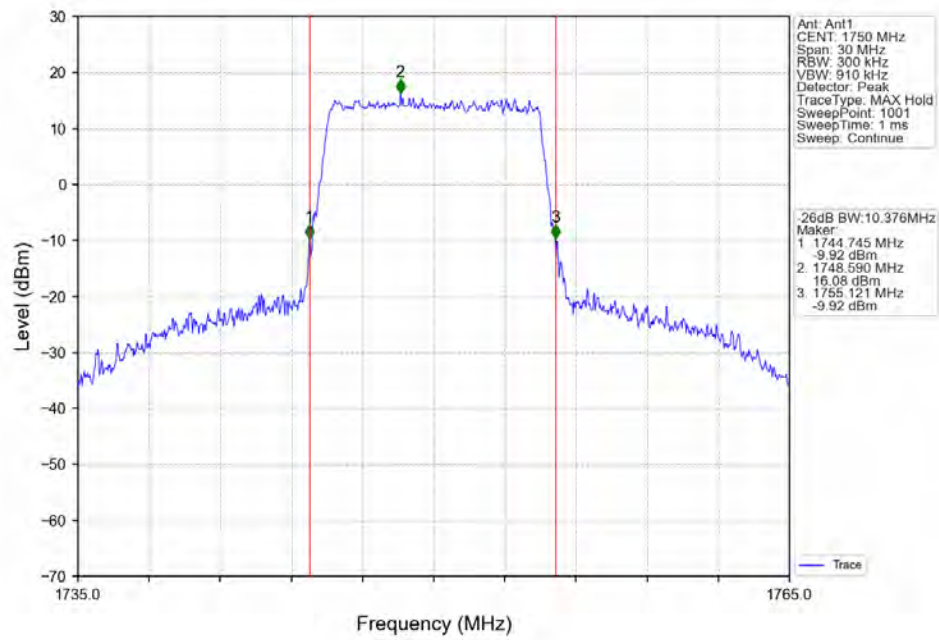
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



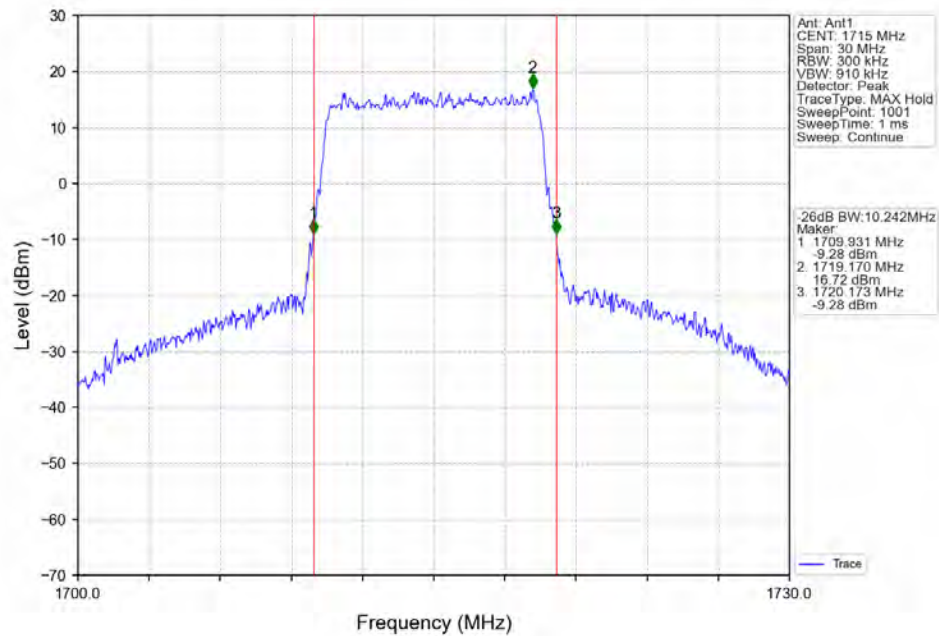
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



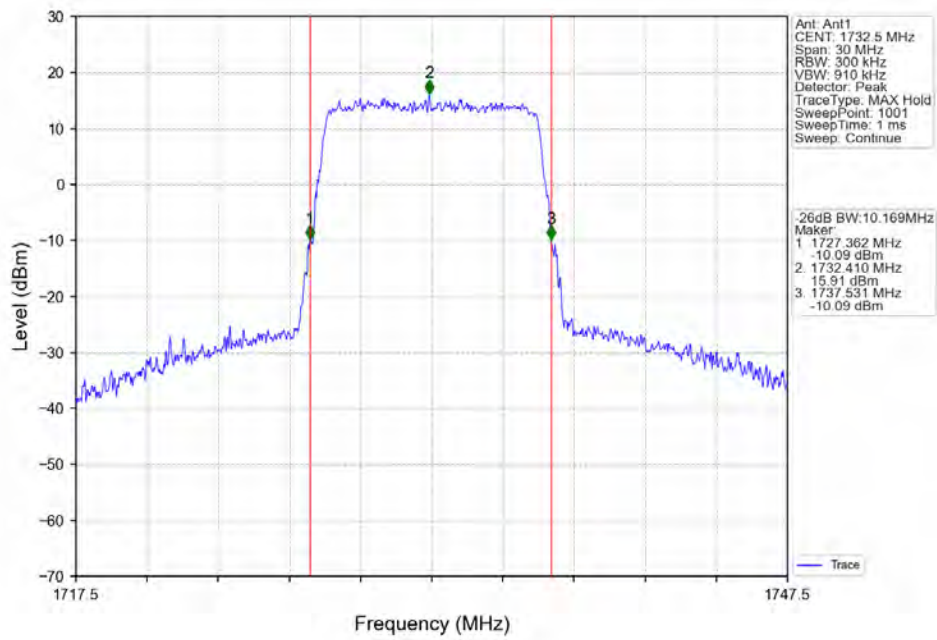
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



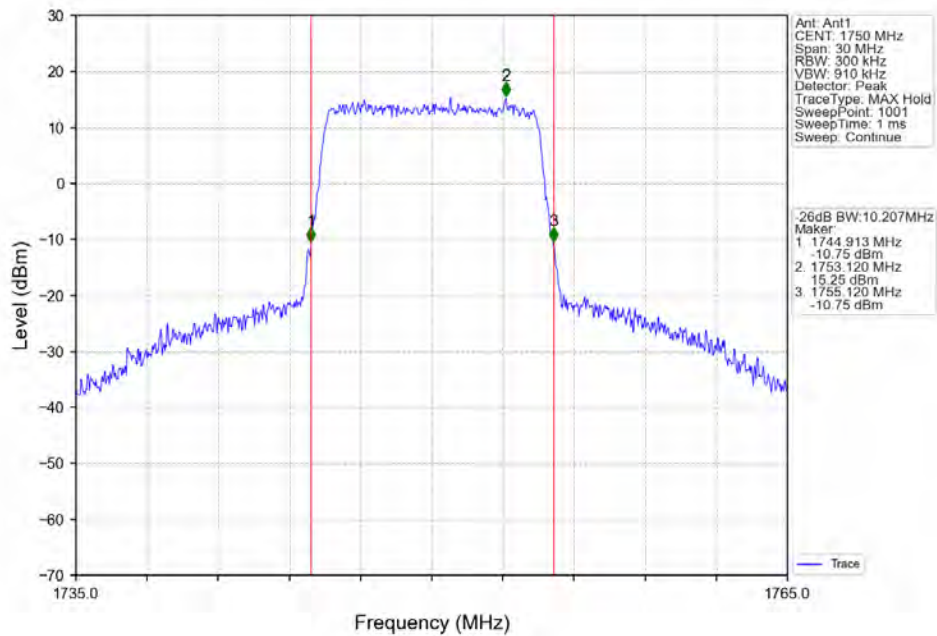
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



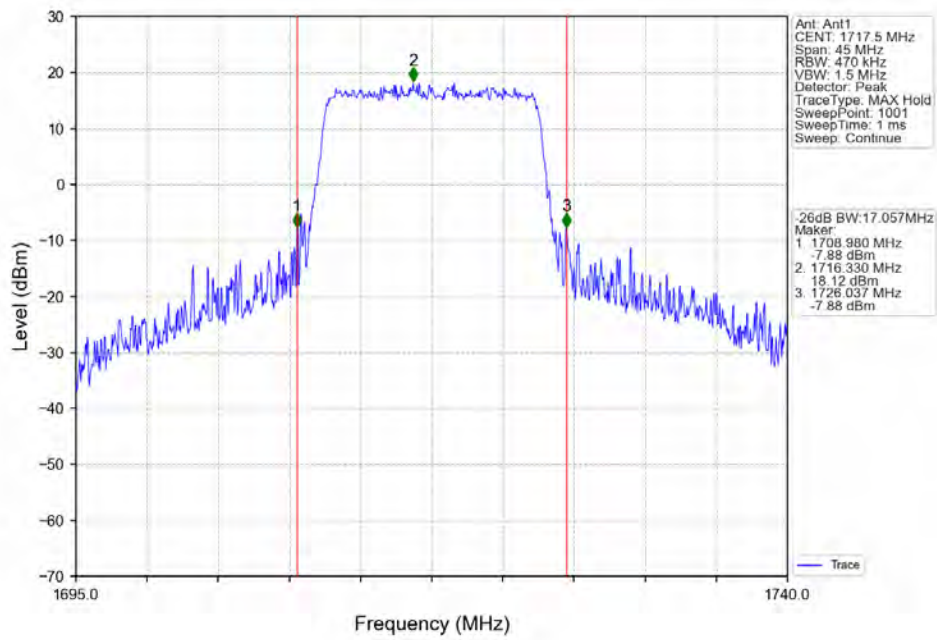
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



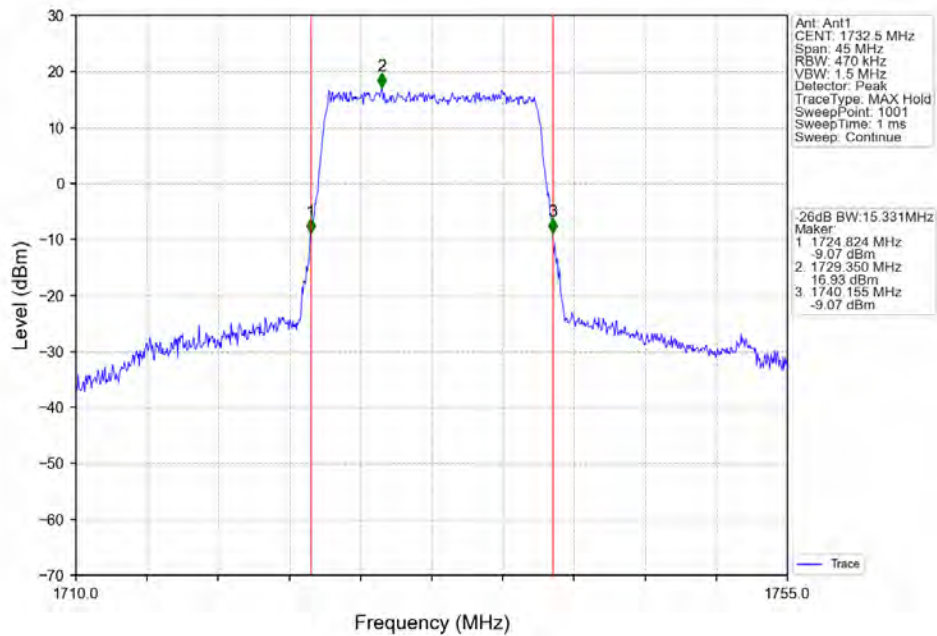
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



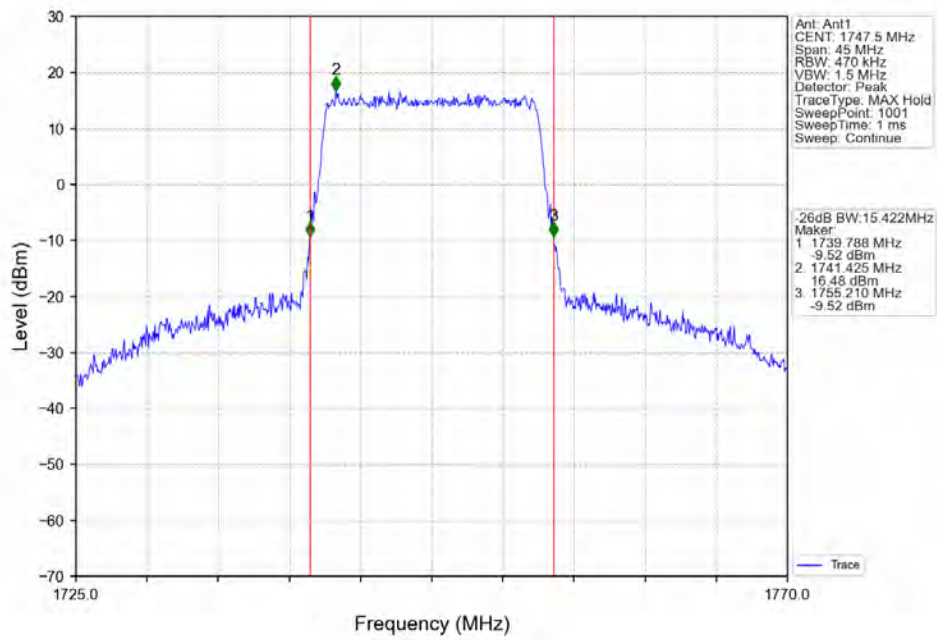
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



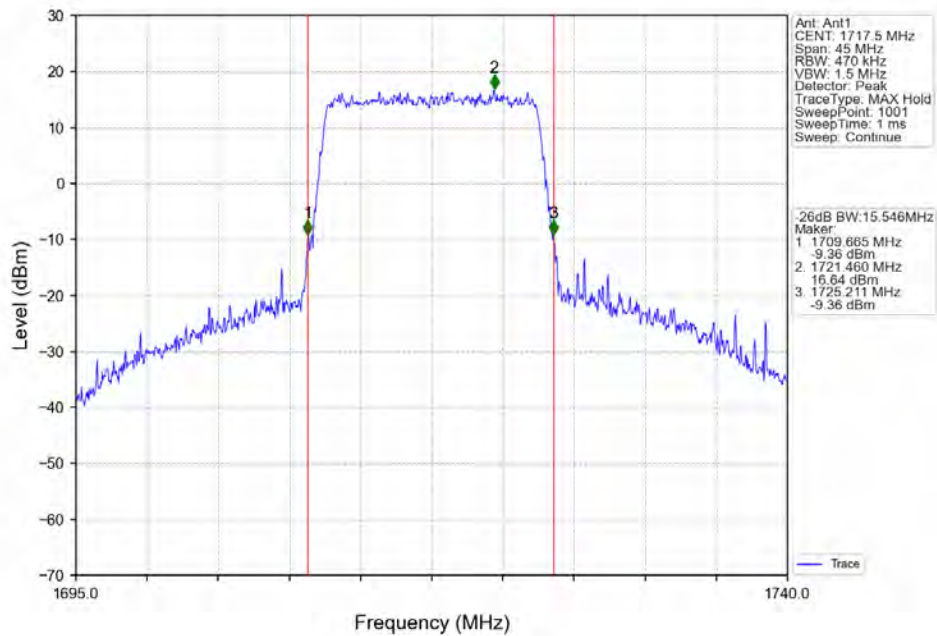
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



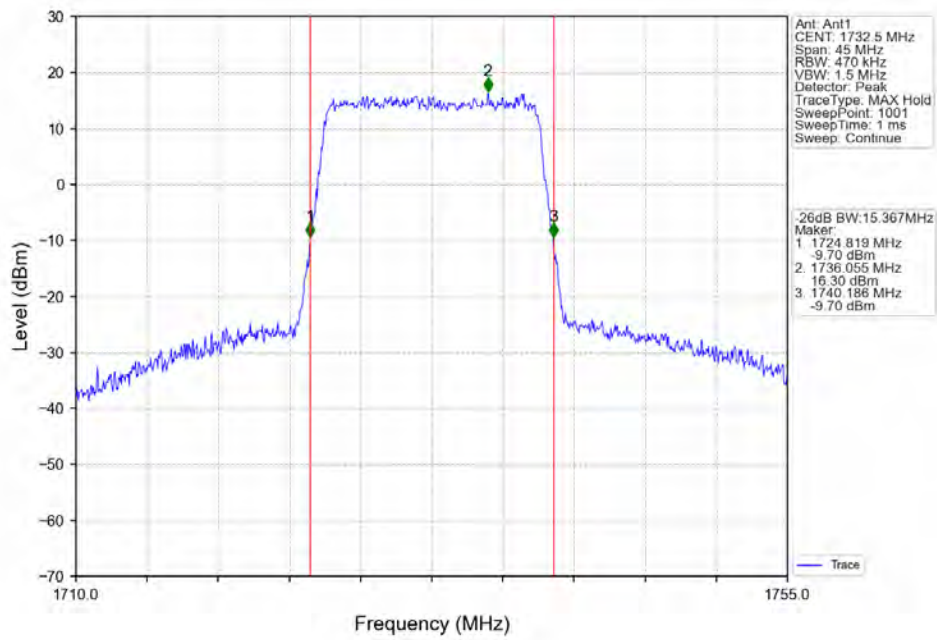
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



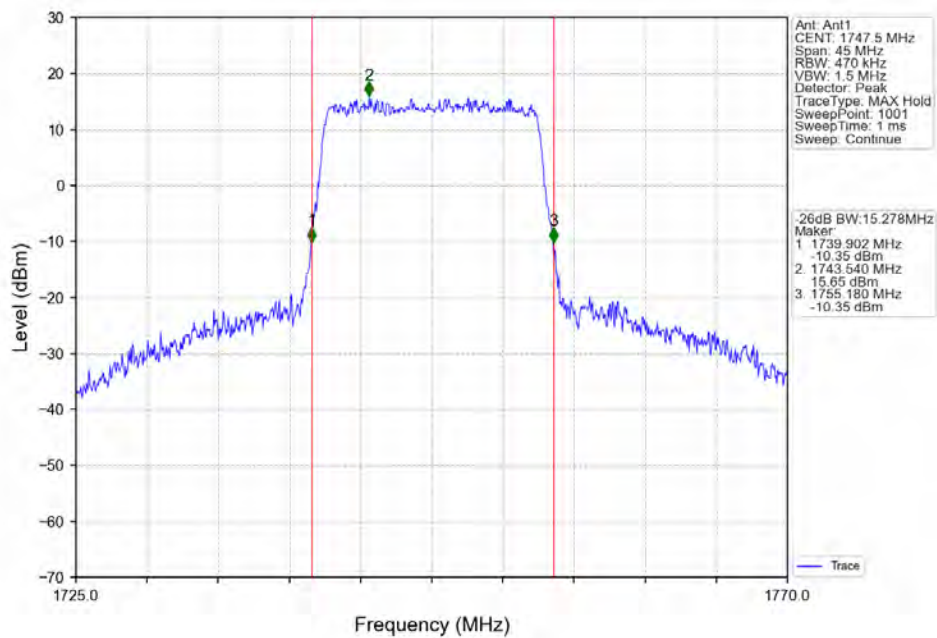
Band4_15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



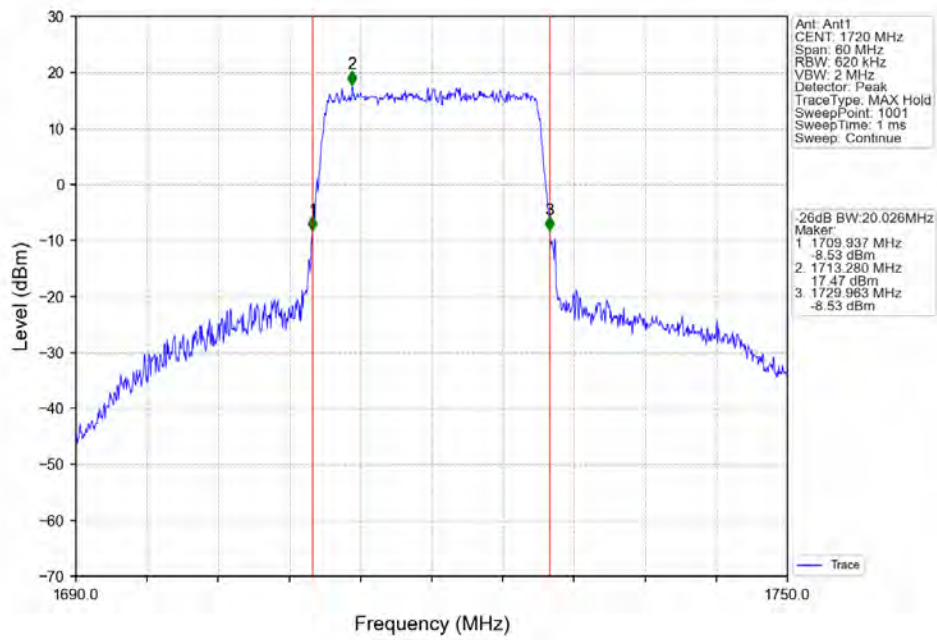
Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



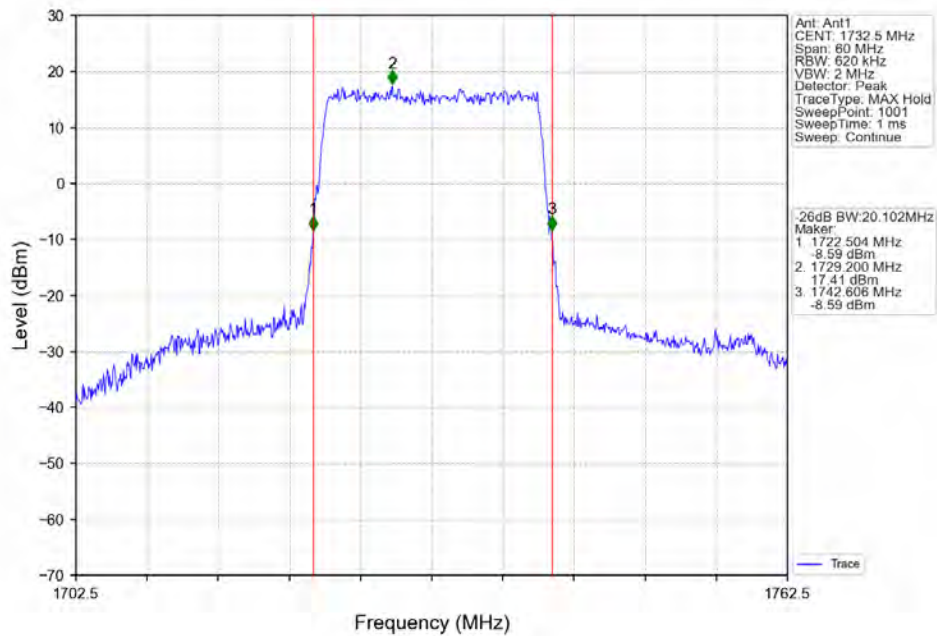
Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV



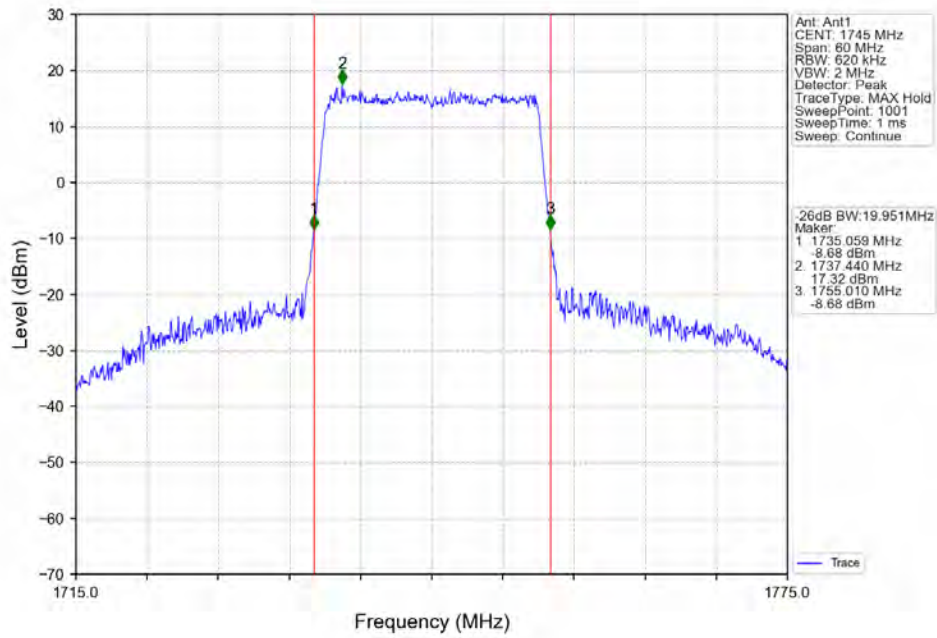
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



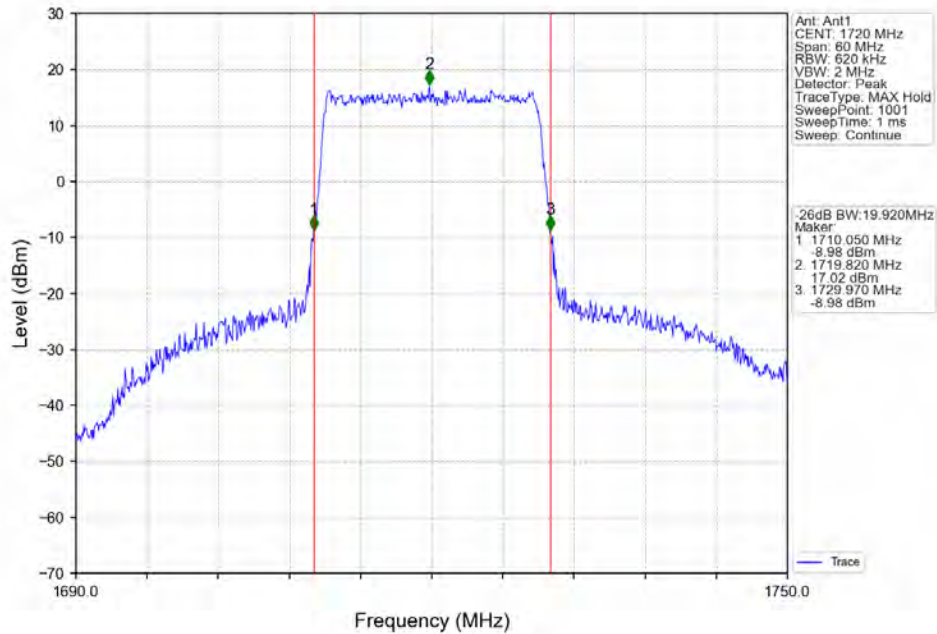
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



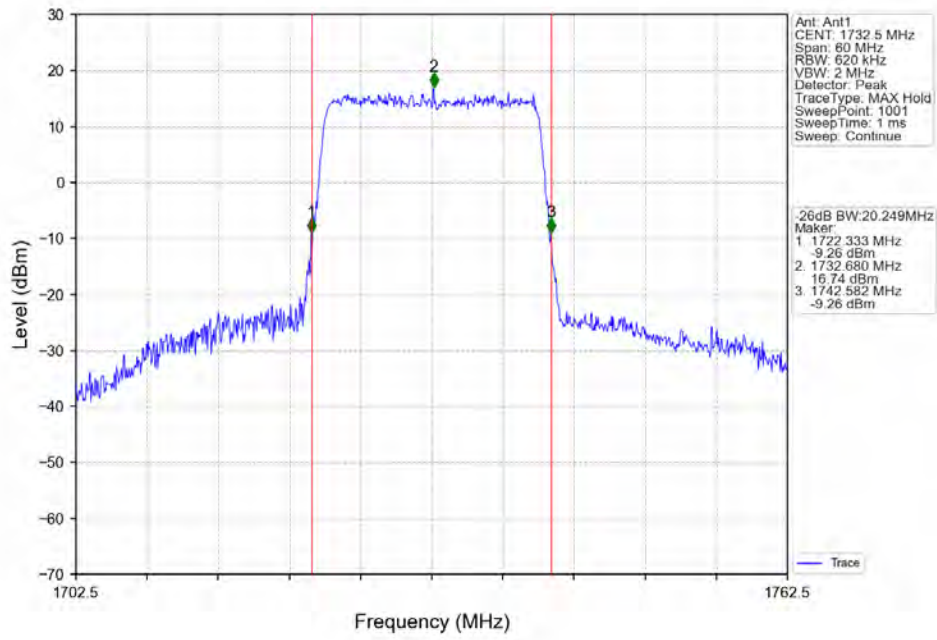
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



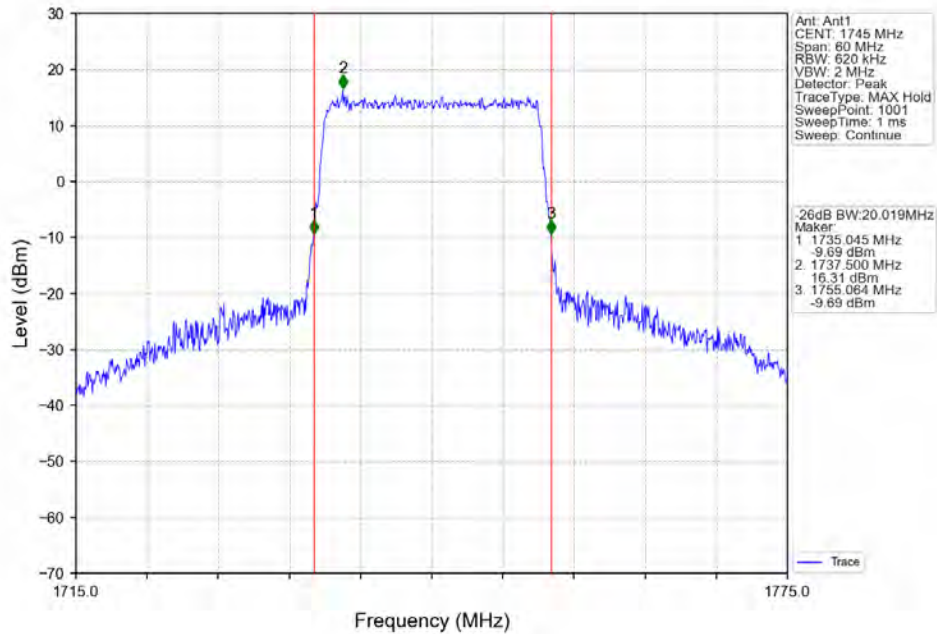
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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



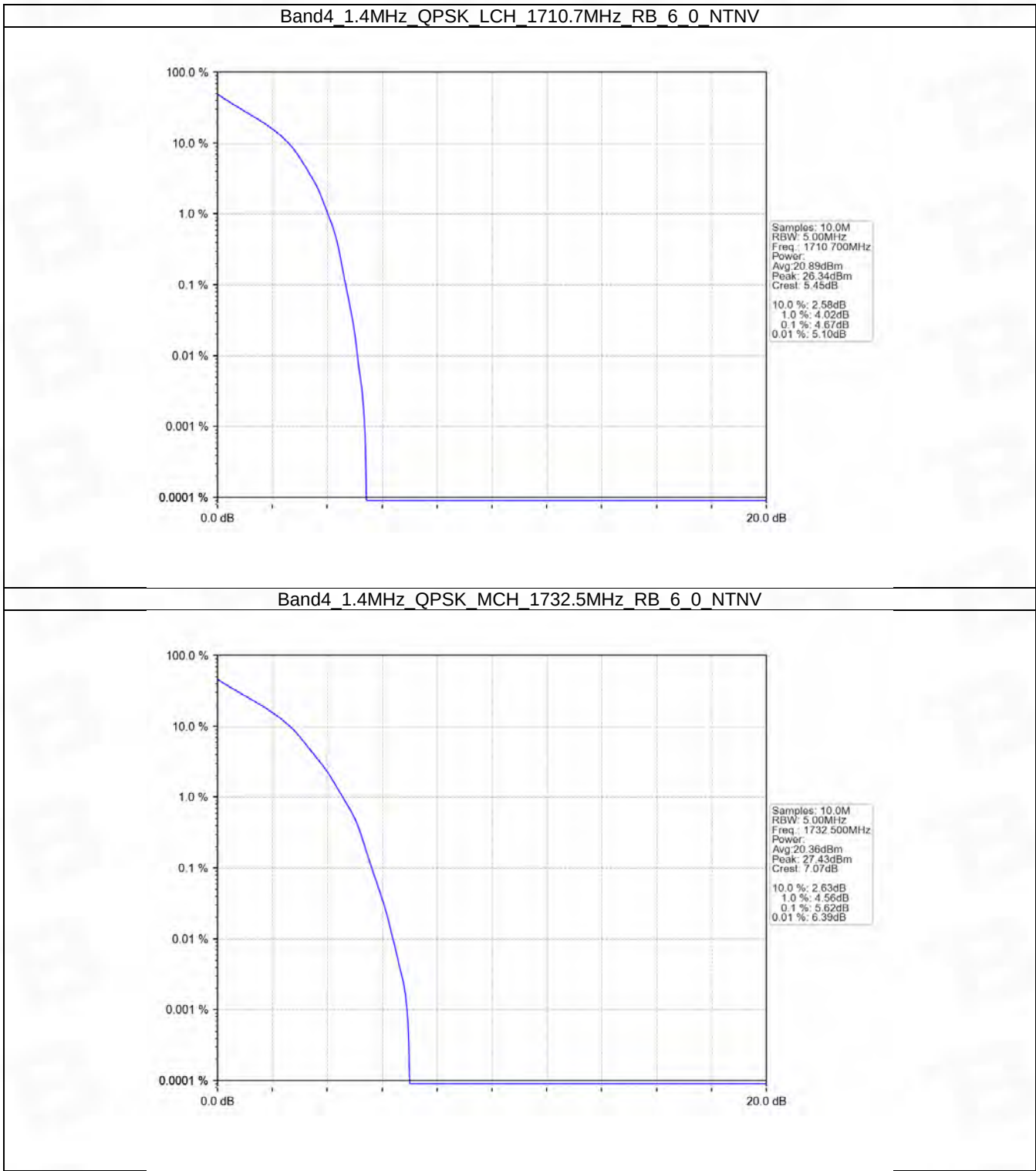
5. Peak-Average Ratio

5.1 B4_1.4MHz

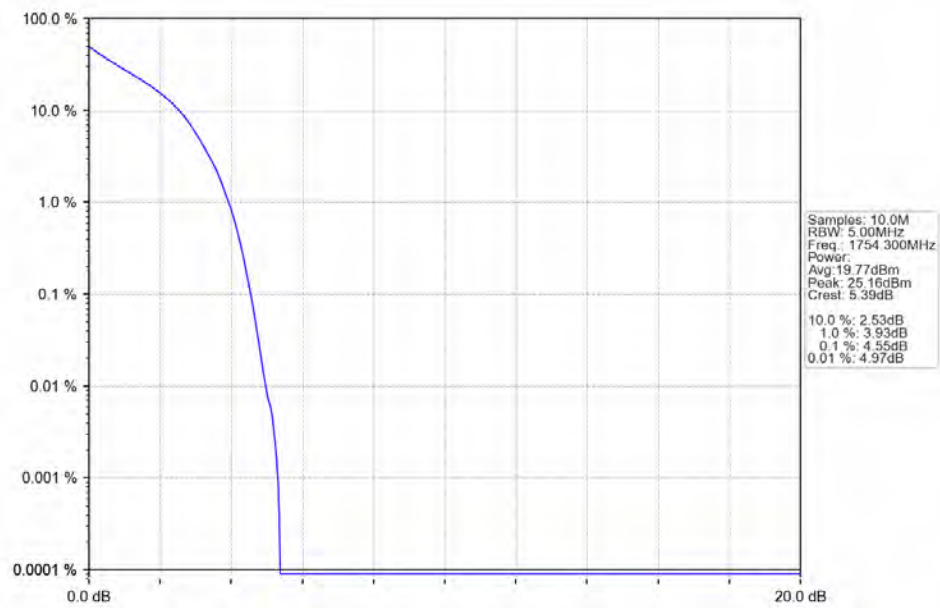
5.1.1 Test Result

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	4.67	<=13	Pass
	1732.5	6	0	5.62	<=13	Pass
	1754.3	6	0	4.55	<=13	Pass
16QAM	1710.7	6	0	5.56	<=13	Pass
	1732.5	6	0	6.47	<=13	Pass
	1754.3	6	0	5.41	<=13	Pass

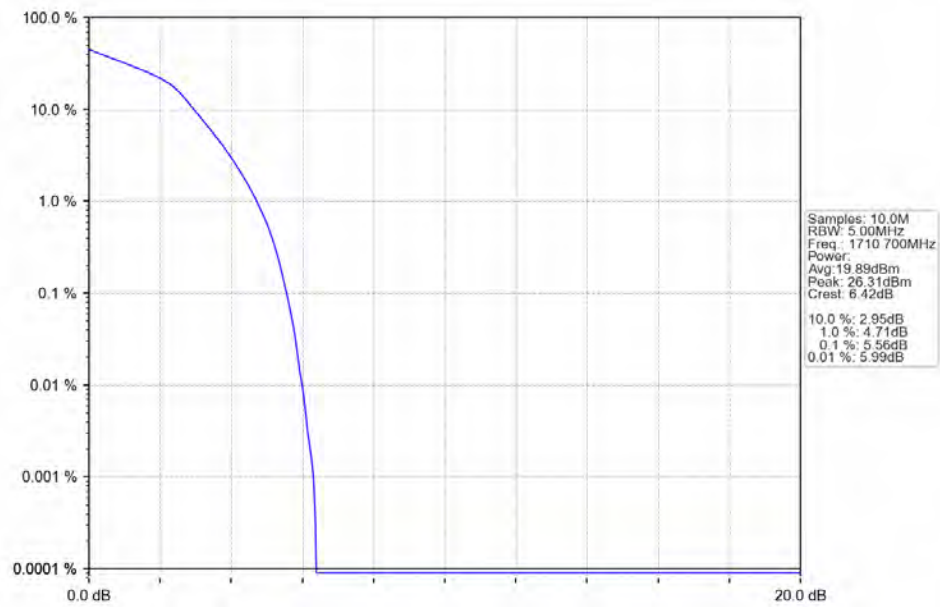
5.1.2 Test Graph



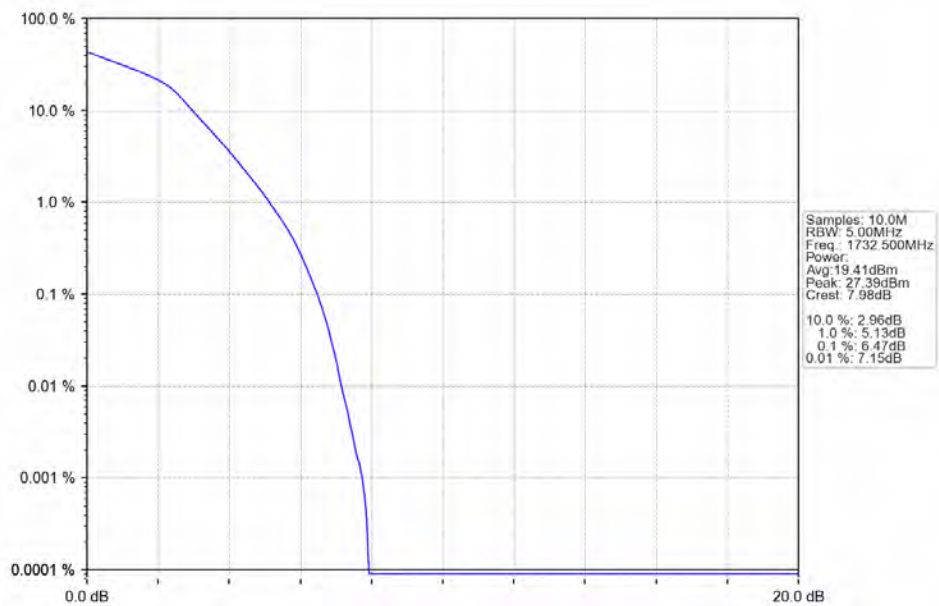
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



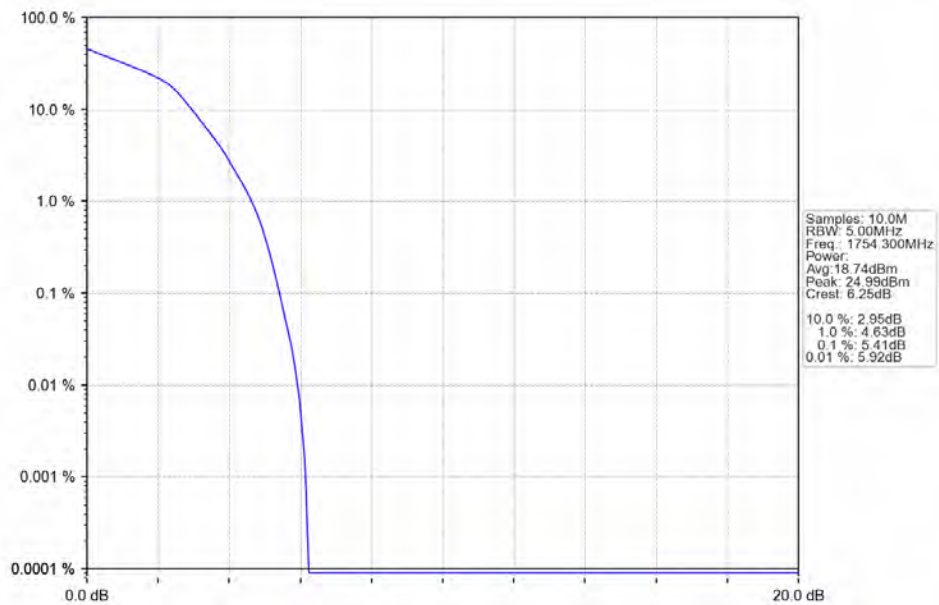
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



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



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

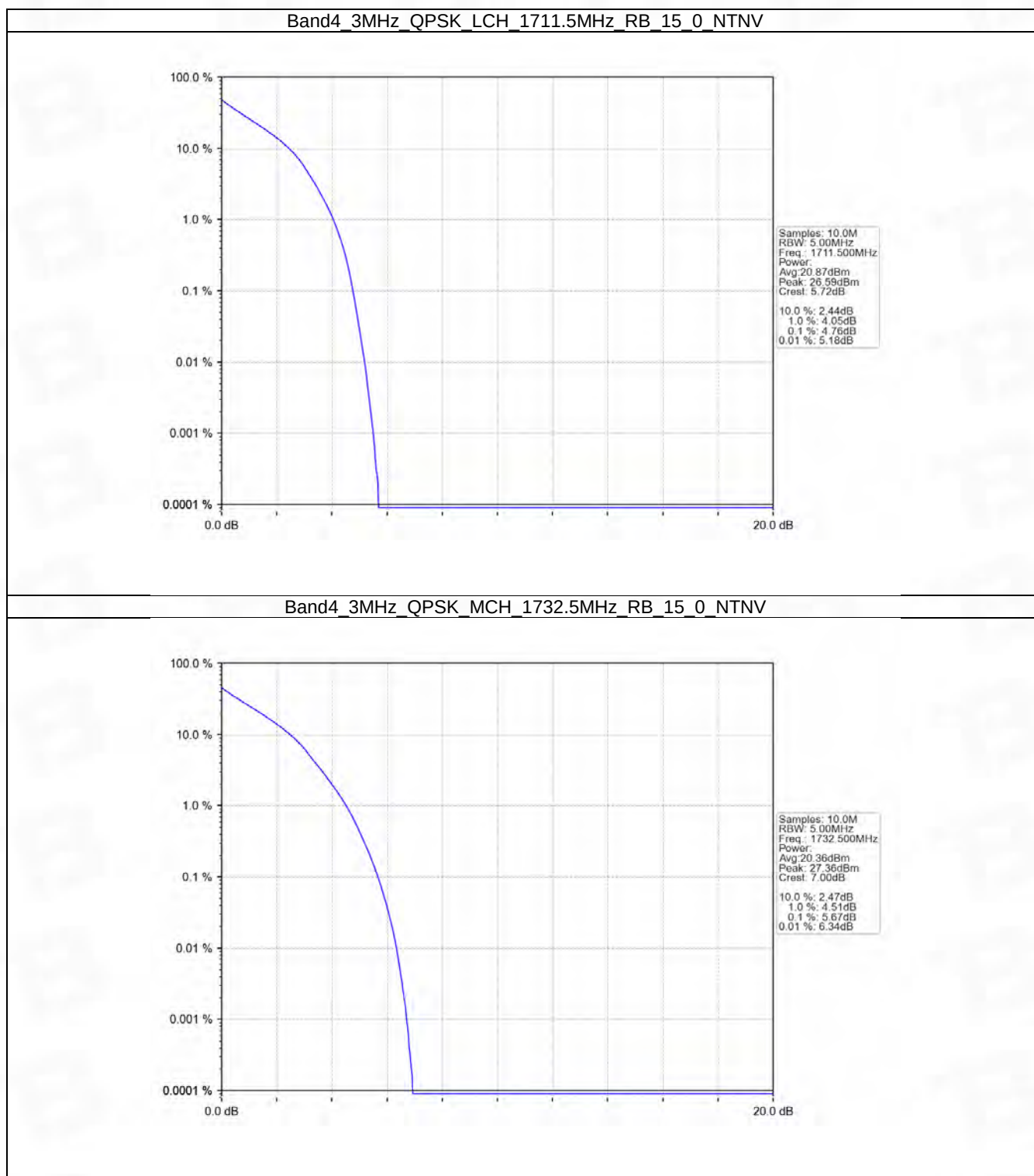


5.2 B4_3MHz

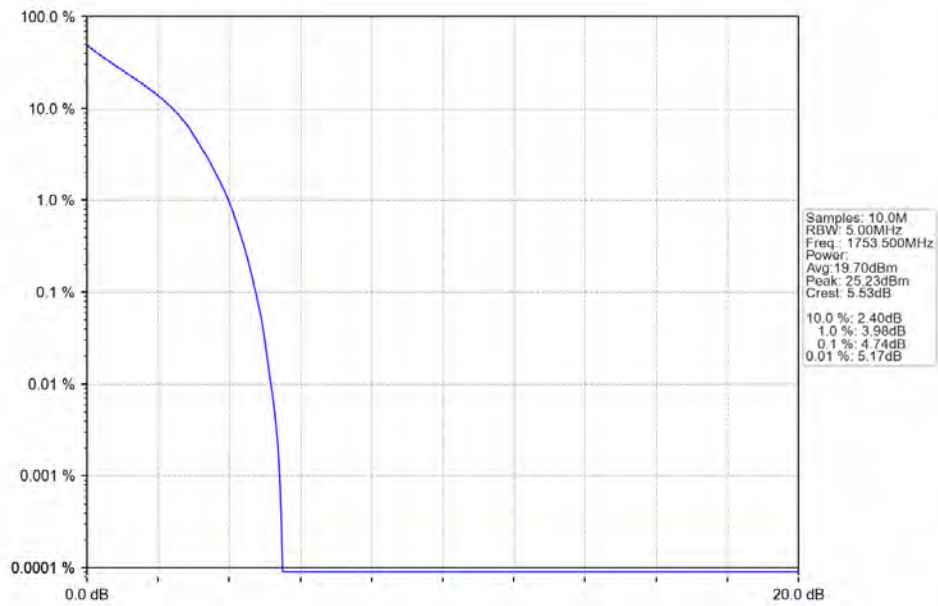
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	4.76	<=13	Pass
	1732.5	15	0	5.67	<=13	Pass
	1753.5	15	0	4.74	<=13	Pass
16QAM	1711.5	15	0	5.59	<=13	Pass
	1732.5	15	0	6.49	<=13	Pass
	1753.5	15	0	5.60	<=13	Pass

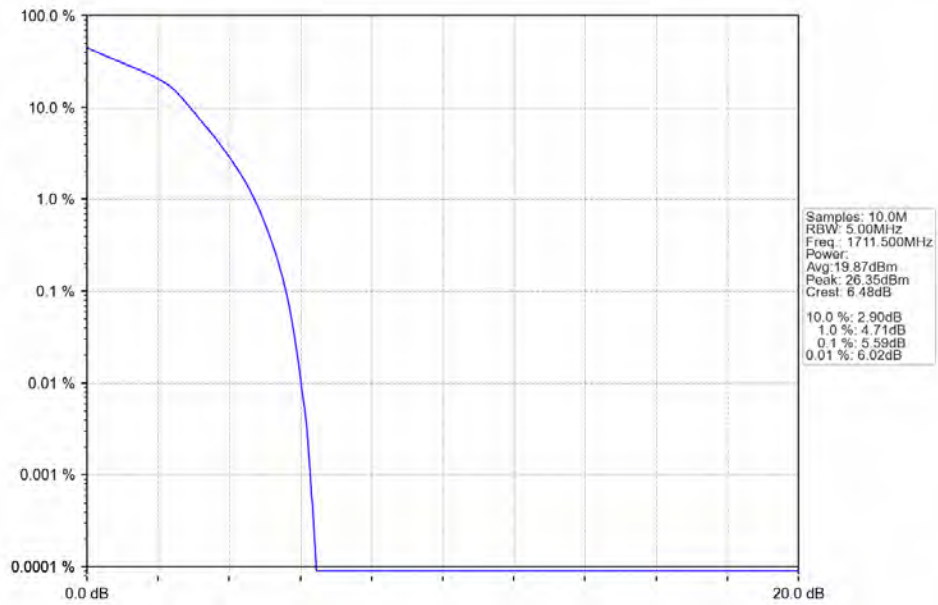
5.2.2 Test Graph



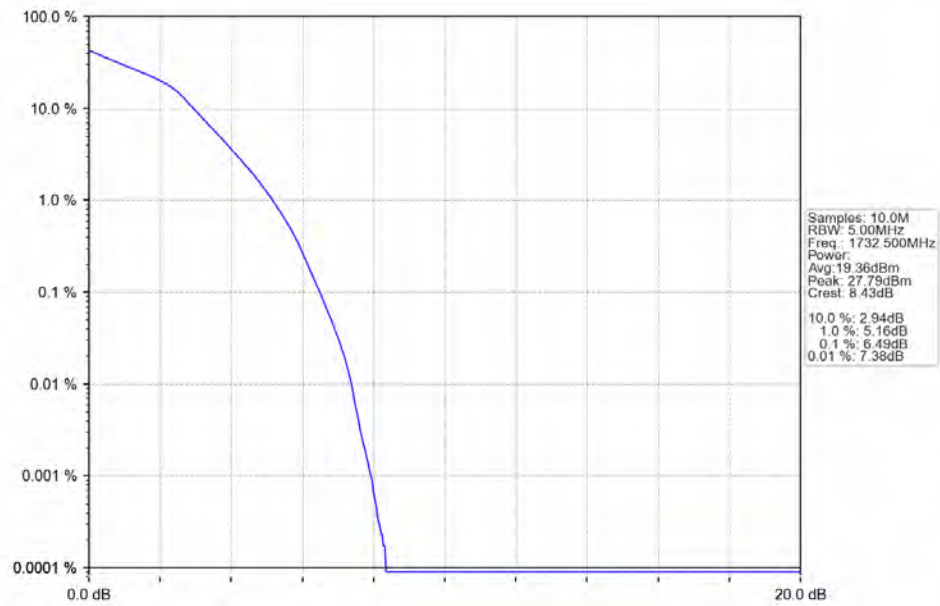
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTN



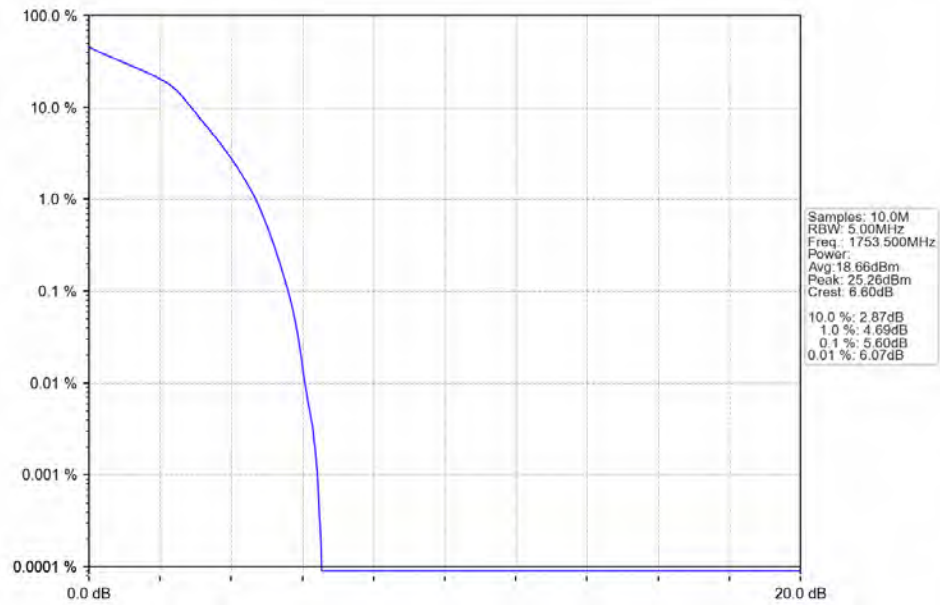
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTN



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



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

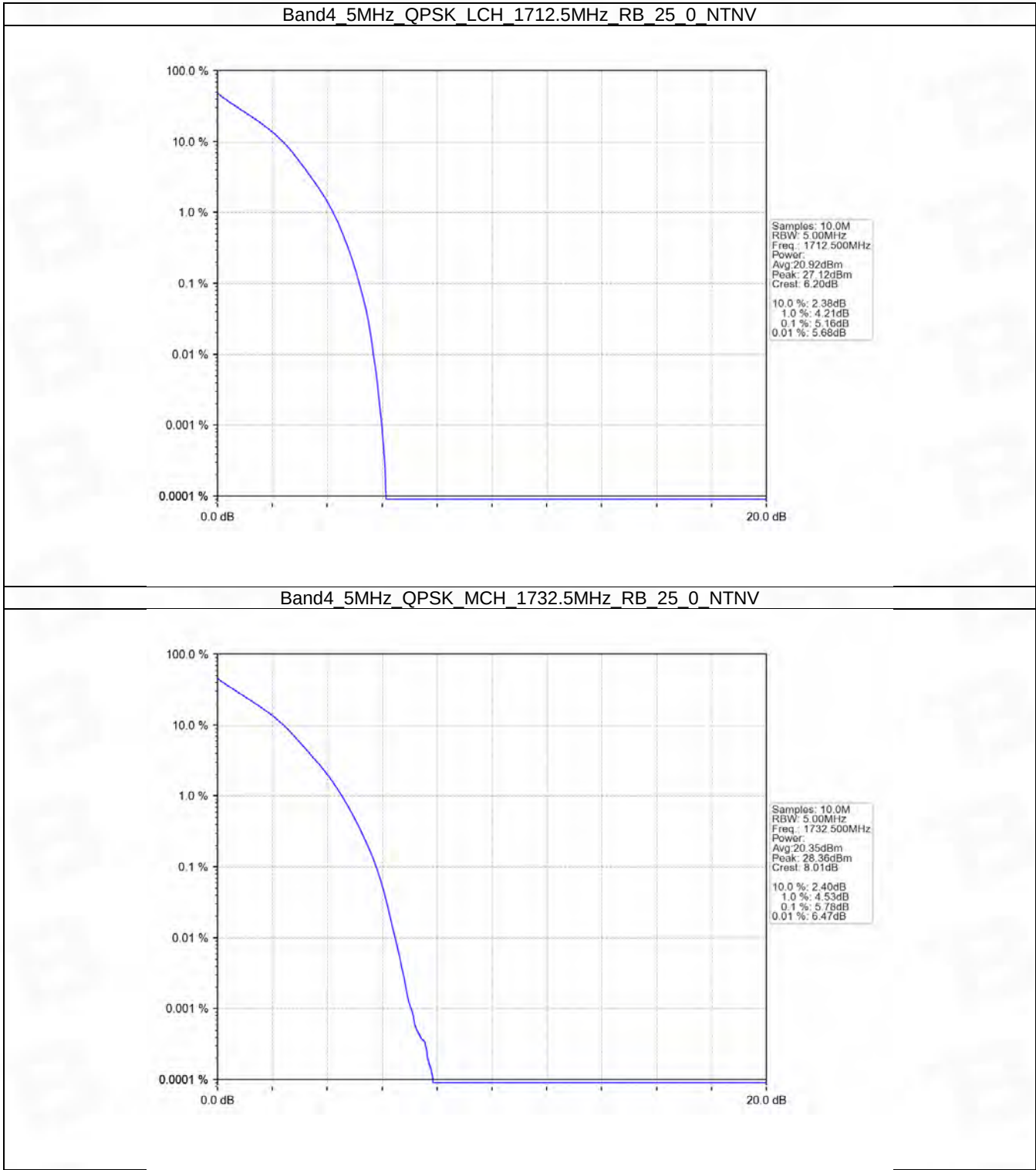


5.3 B4_5MHz

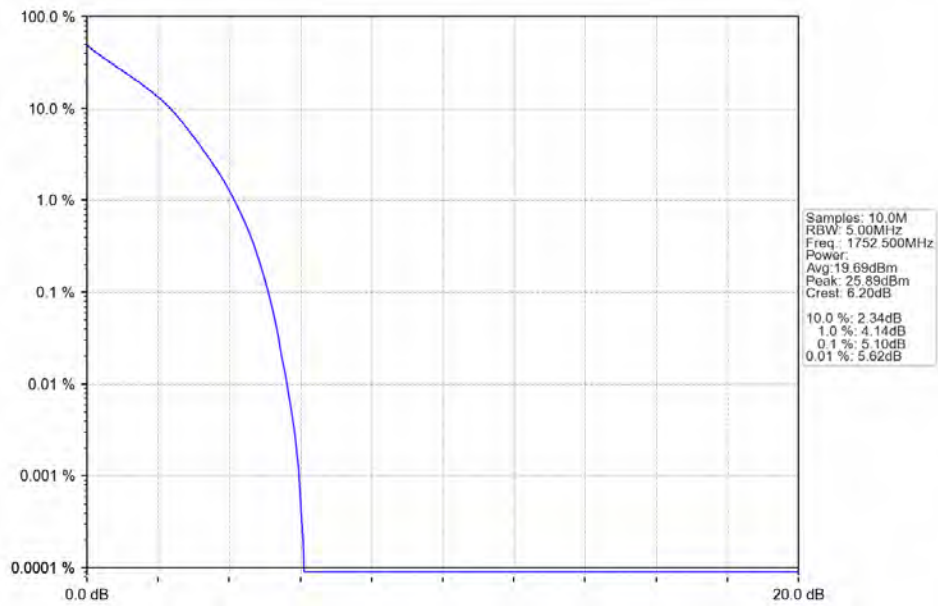
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.16	<=13	Pass
	1732.5	25	0	5.78	<=13	Pass
	1752.5	25	0	5.10	<=13	Pass
16QAM	1712.5	25	0	5.90	<=13	Pass
	1732.5	25	0	6.46	<=13	Pass
	1752.5	25	0	5.80	<=13	Pass

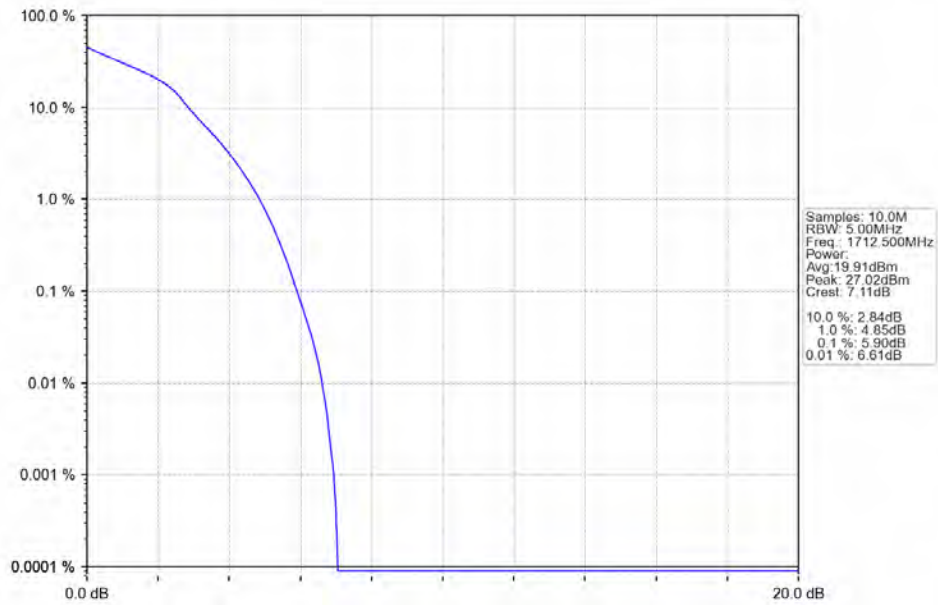
5.3.2 Test Graph



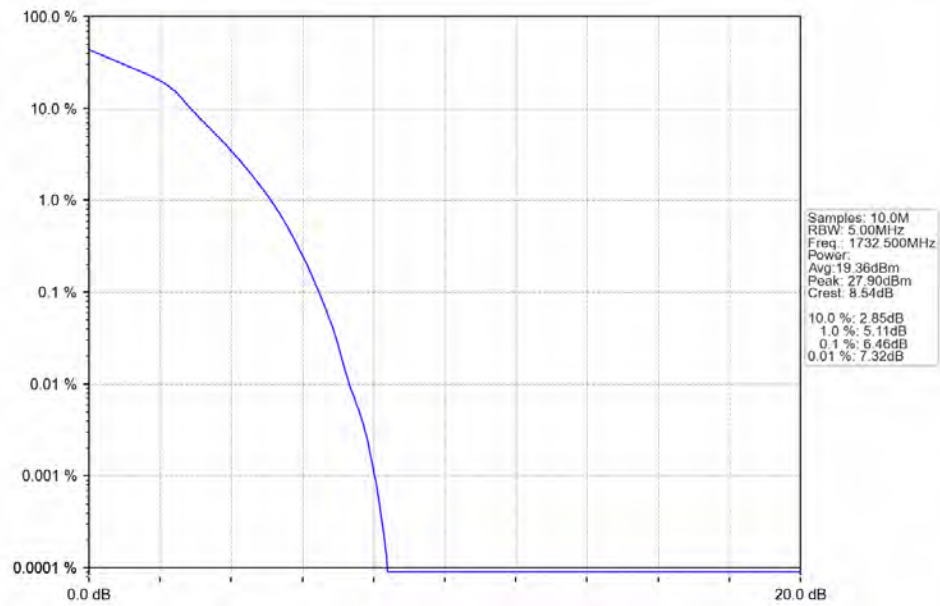
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



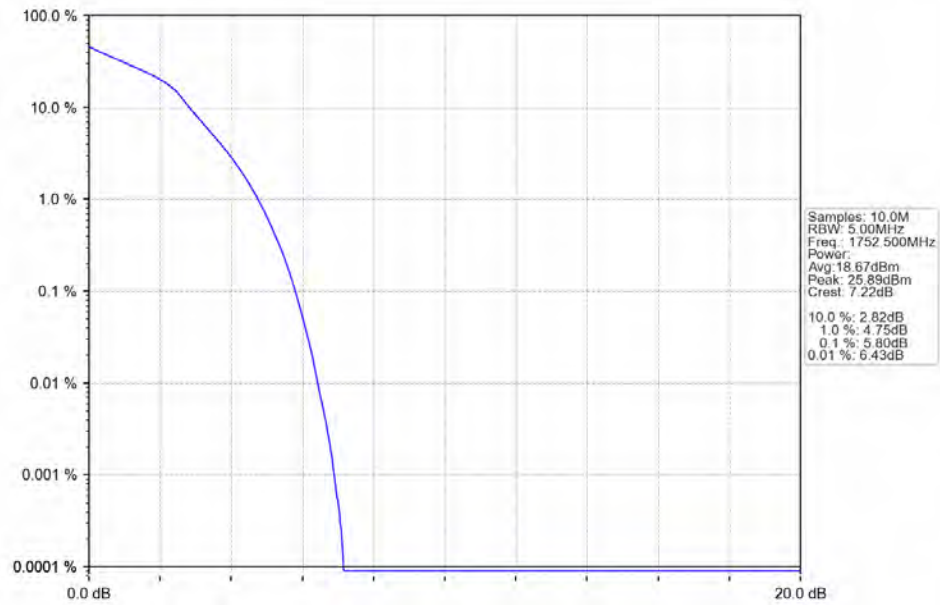
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



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



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

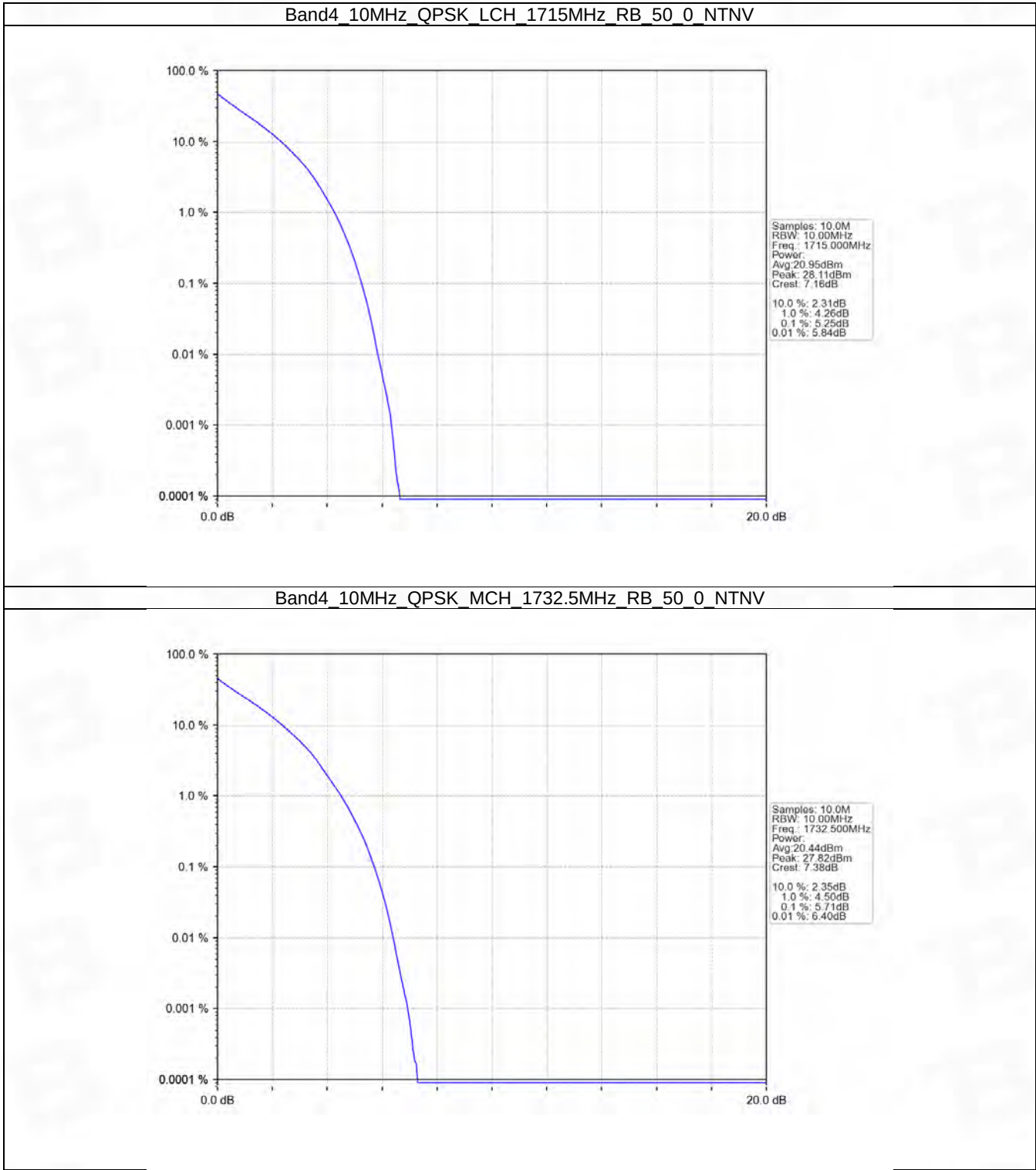


5.4 B4_10MHz

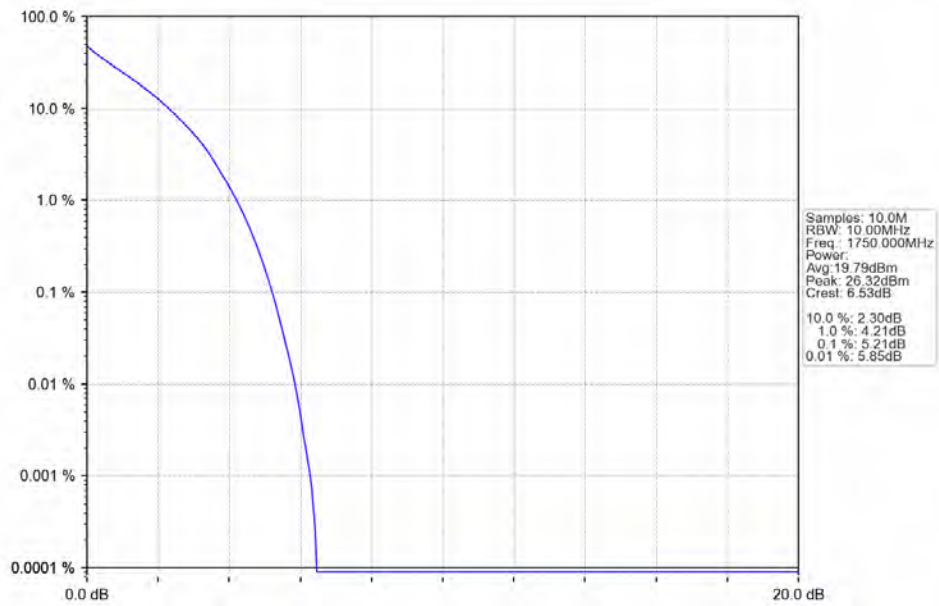
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.25	<=13	Pass
	1732.5	50	0	5.71	<=13	Pass
	1750	50	0	5.21	<=13	Pass
16QAM	1715	50	0	6.03	<=13	Pass
	1732.5	50	0	6.48	<=13	Pass
	1750	50	0	5.96	<=13	Pass

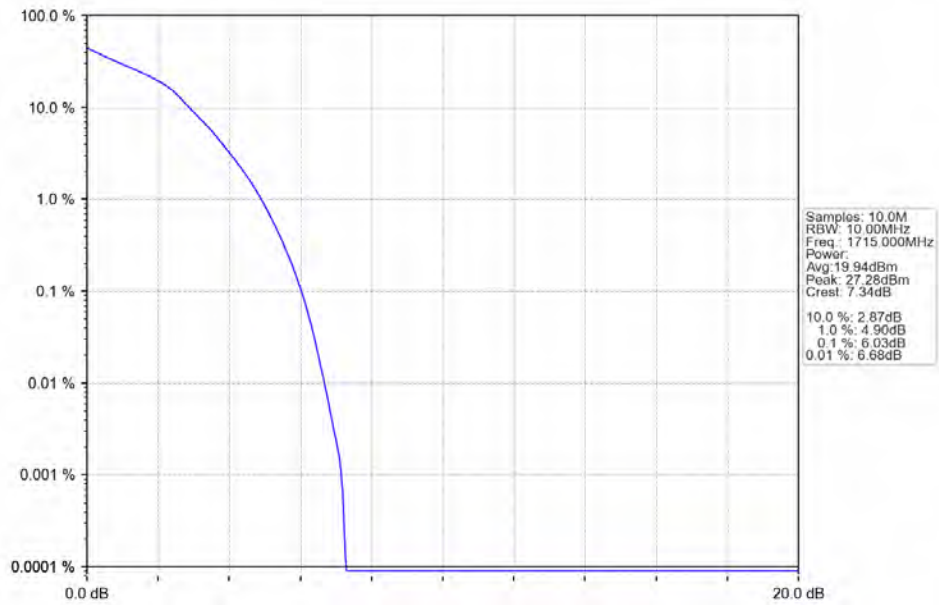
5.4.2 Test Graph



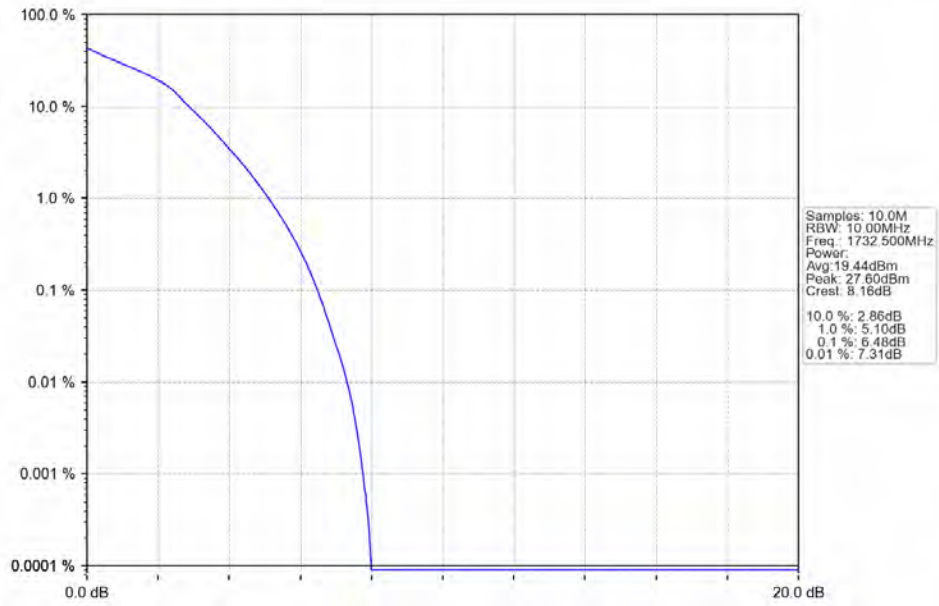
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



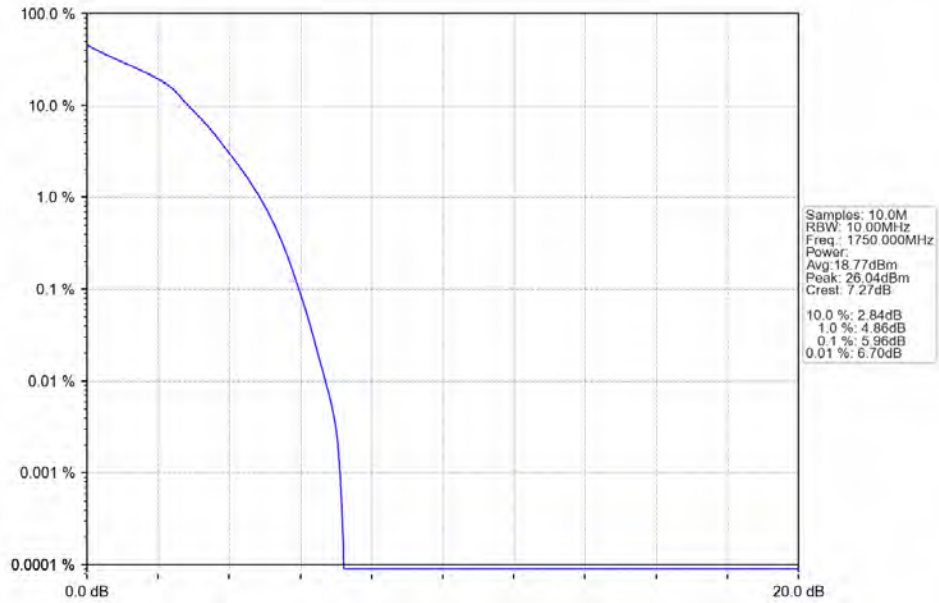
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



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



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

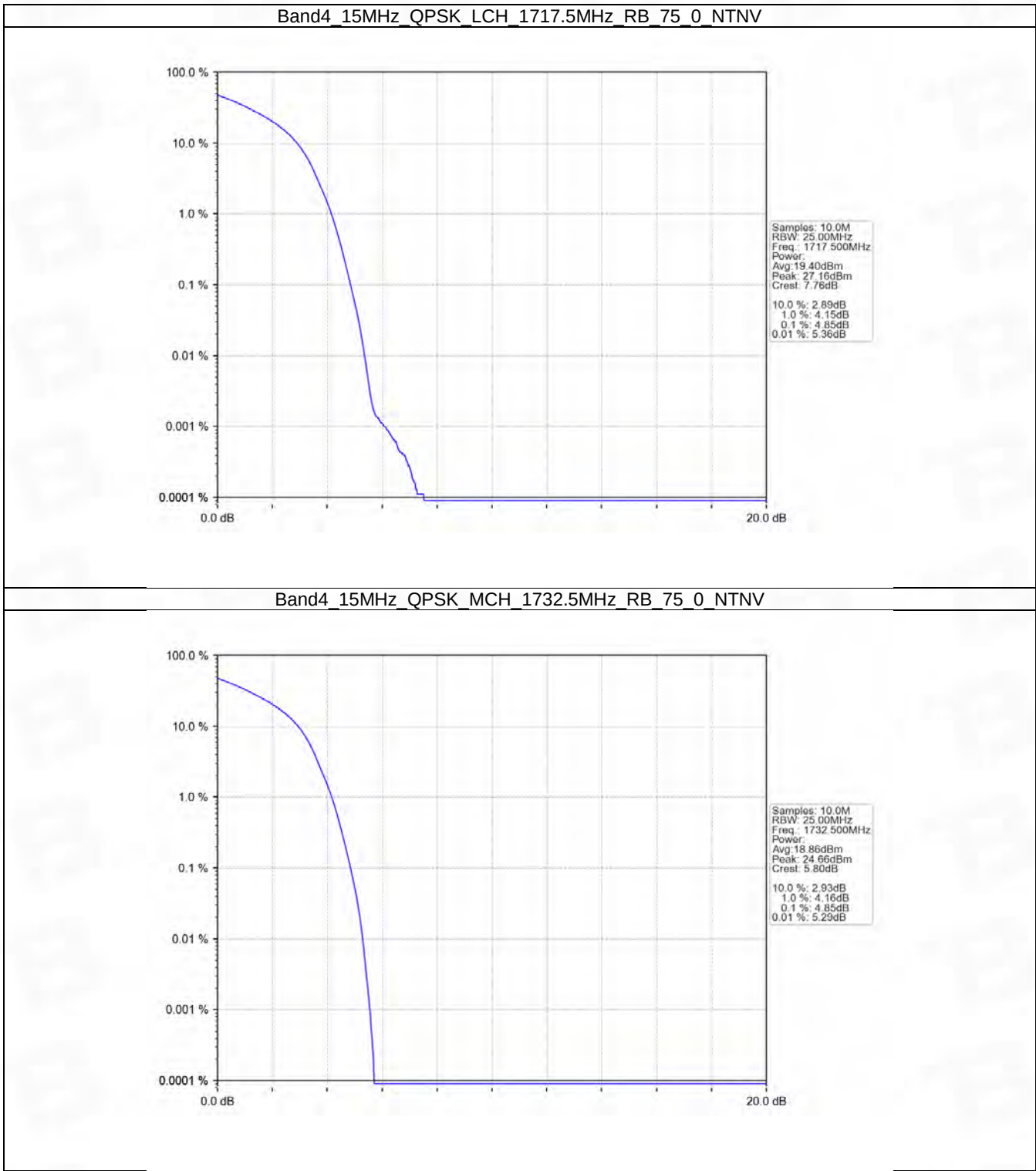


5.5 B4_15MHz

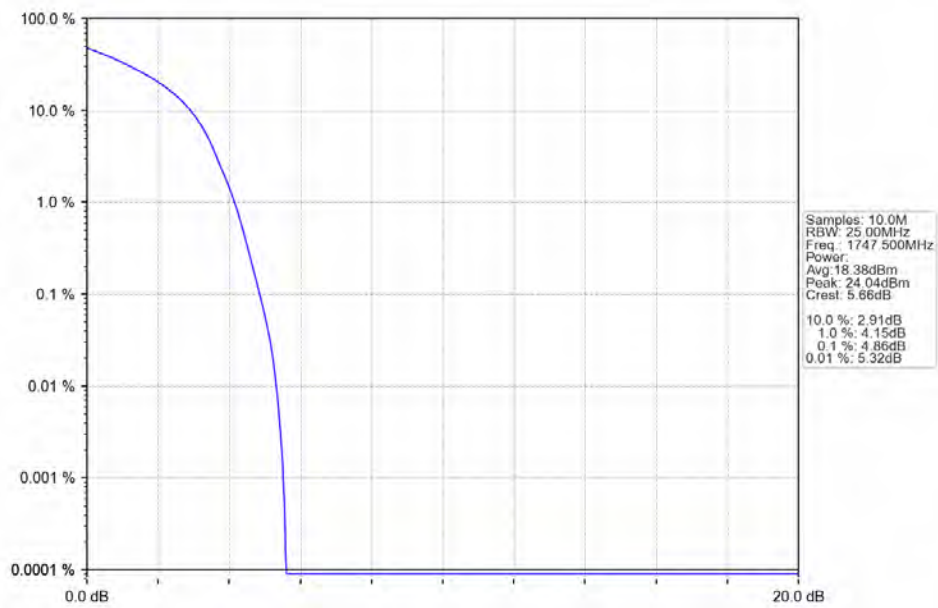
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.85	<=13	Pass
	1732.5	75	0	4.85	<=13	Pass
	1747.5	75	0	4.86	<=13	Pass
16QAM	1717.5	75	0	6.18	<=13	Pass
	1732.5	75	0	6.18	<=13	Pass
	1747.5	75	0	6.11	<=13	Pass

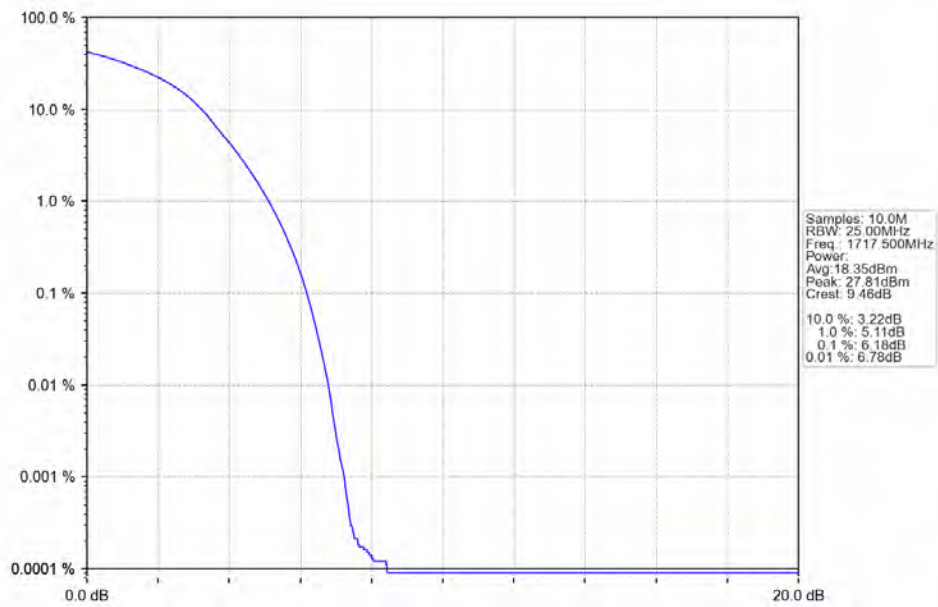
5.5.2 Test Graph



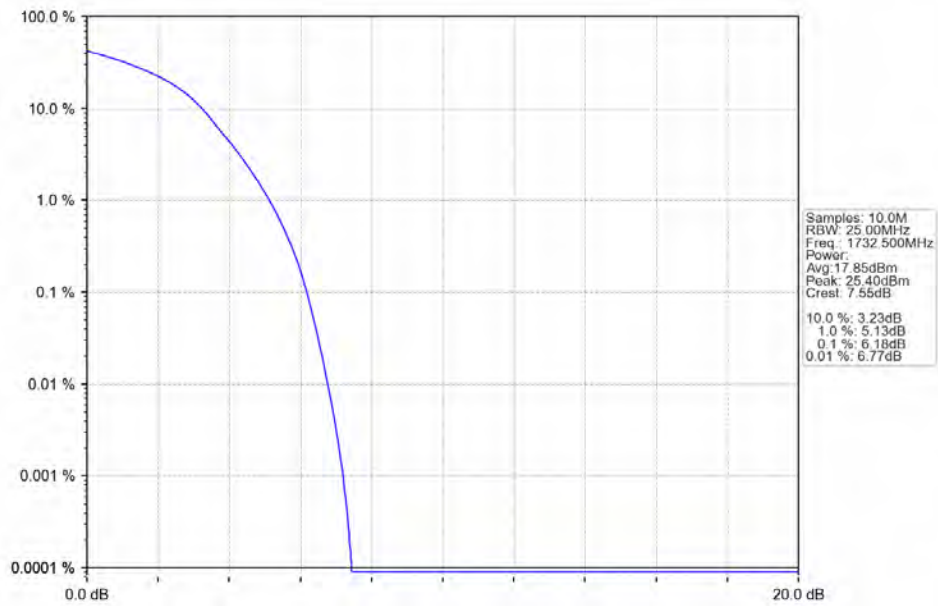
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



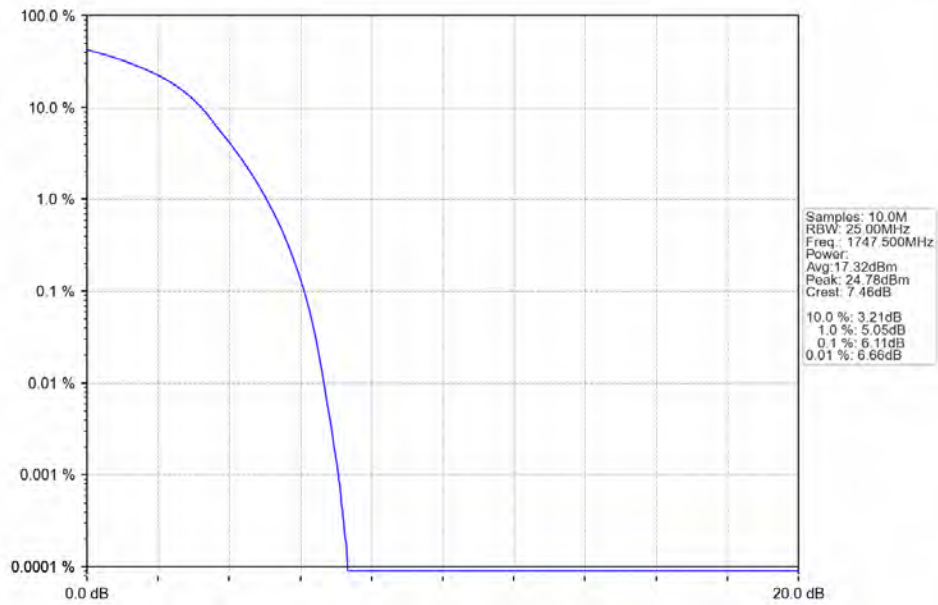
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

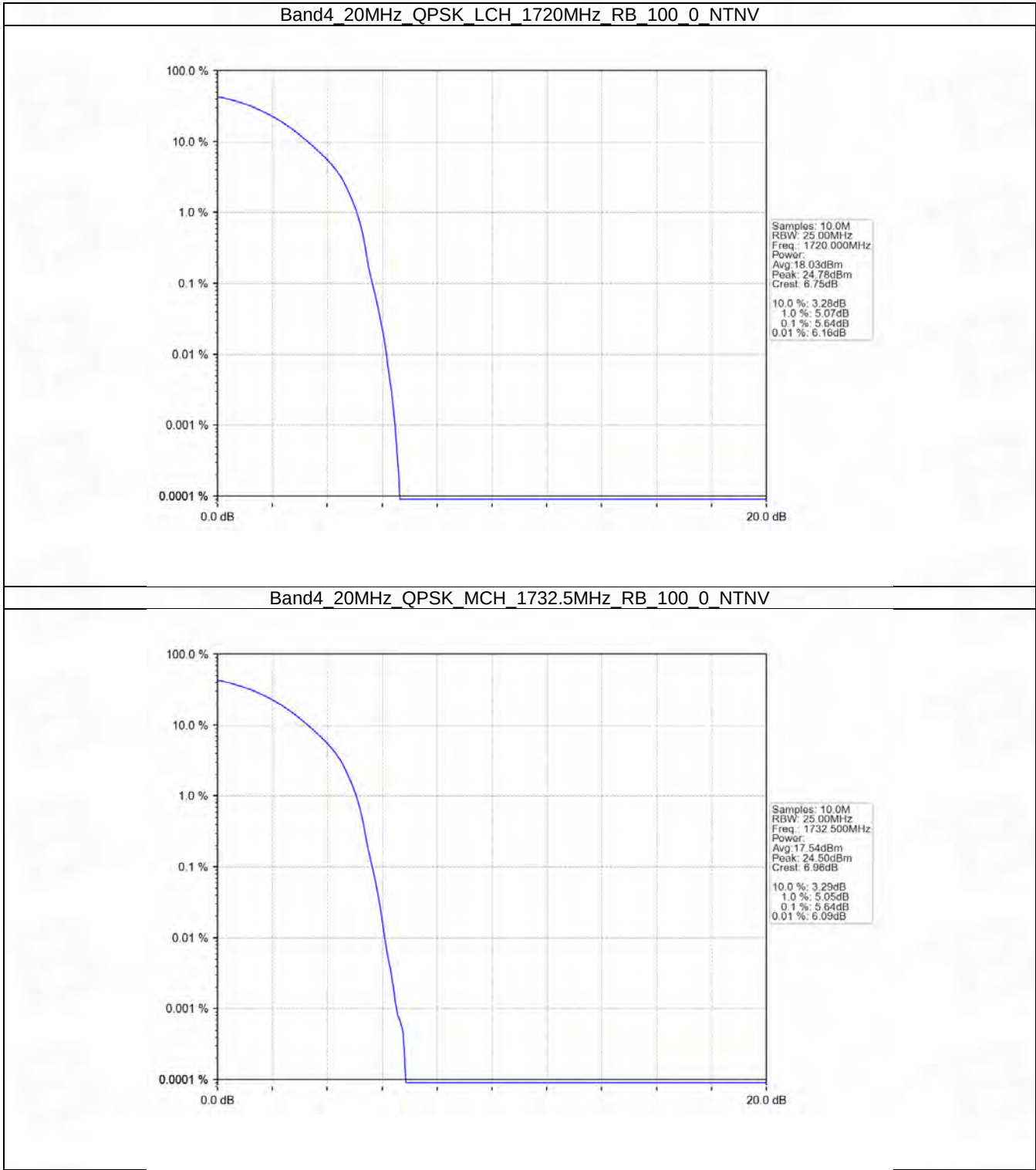


5.6 B4_20MHz

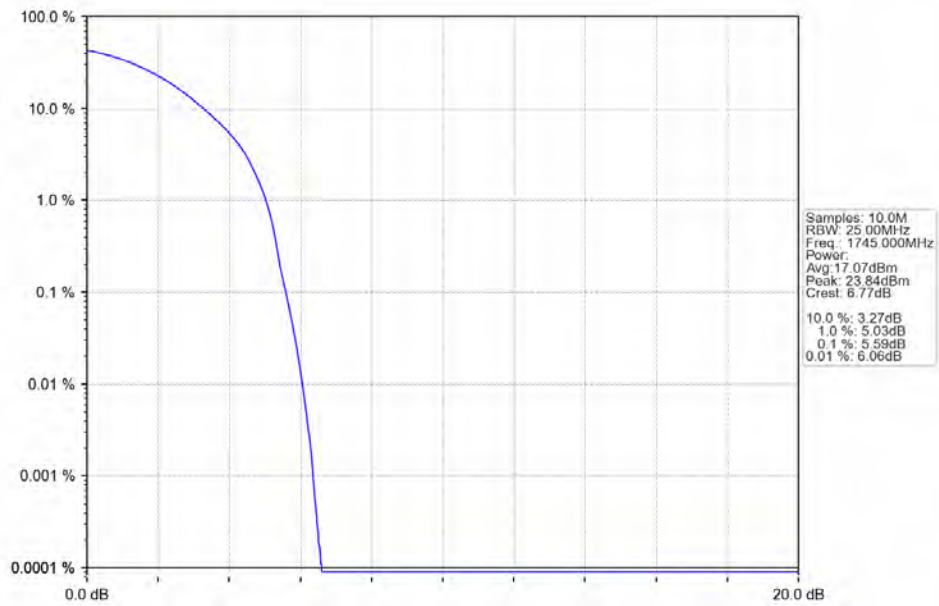
5.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.64	<=13	Pass
	1732.5	100	0	5.64	<=13	Pass
	1745	100	0	5.59	<=13	Pass
16QAM	1720	100	0	6.72	<=13	Pass
	1732.5	100	0	6.76	<=13	Pass
	1745	100	0	6.70	<=13	Pass

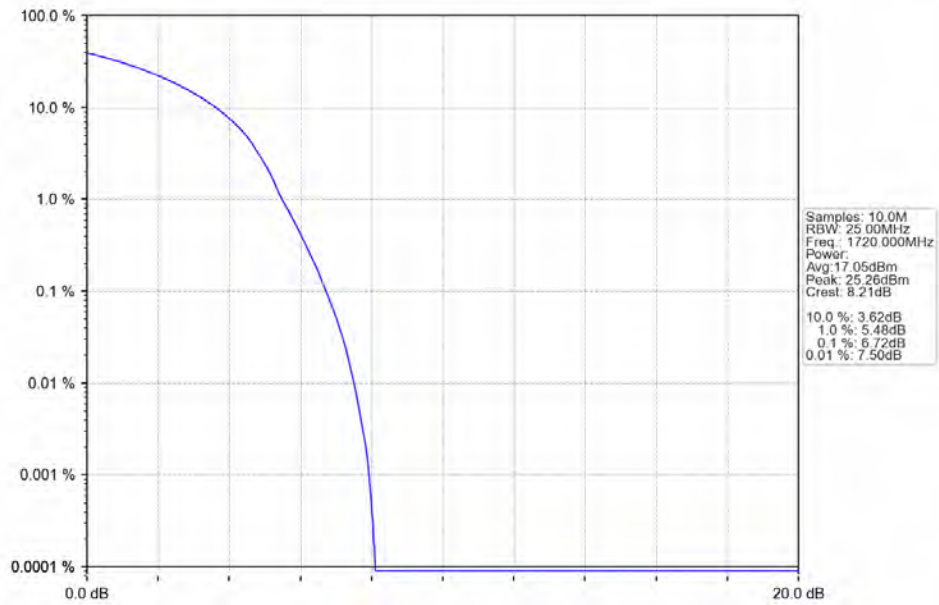
5.6.2 Test Graph



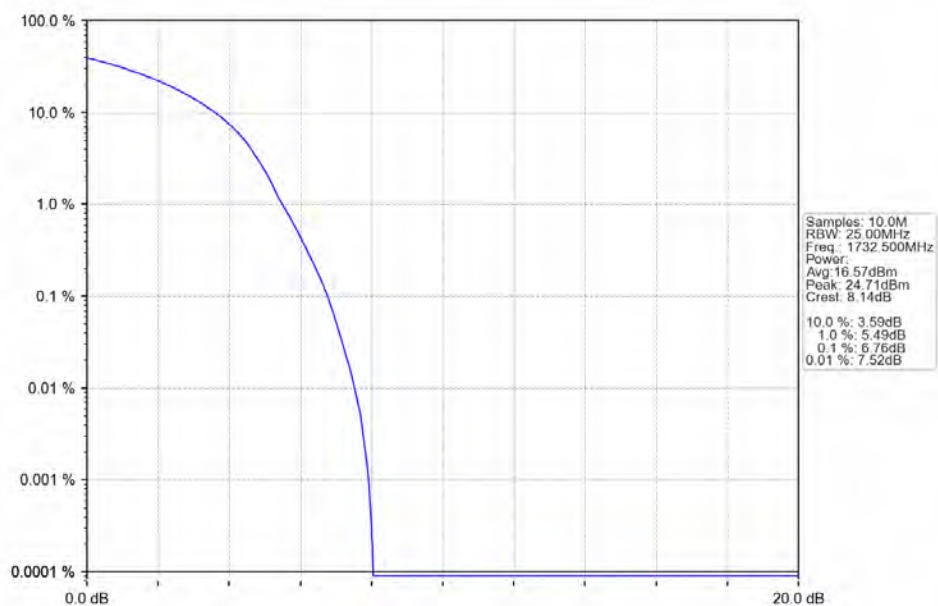
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



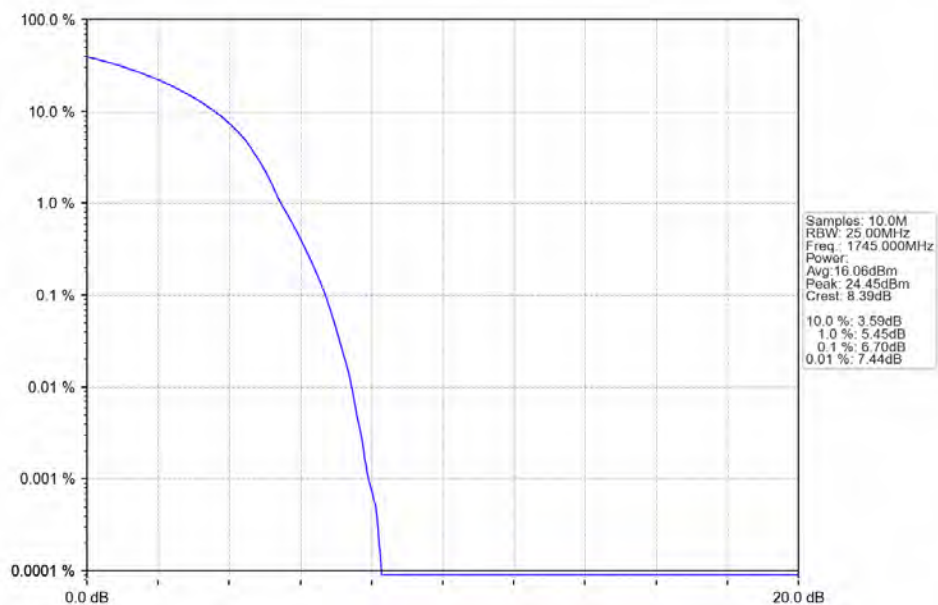
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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



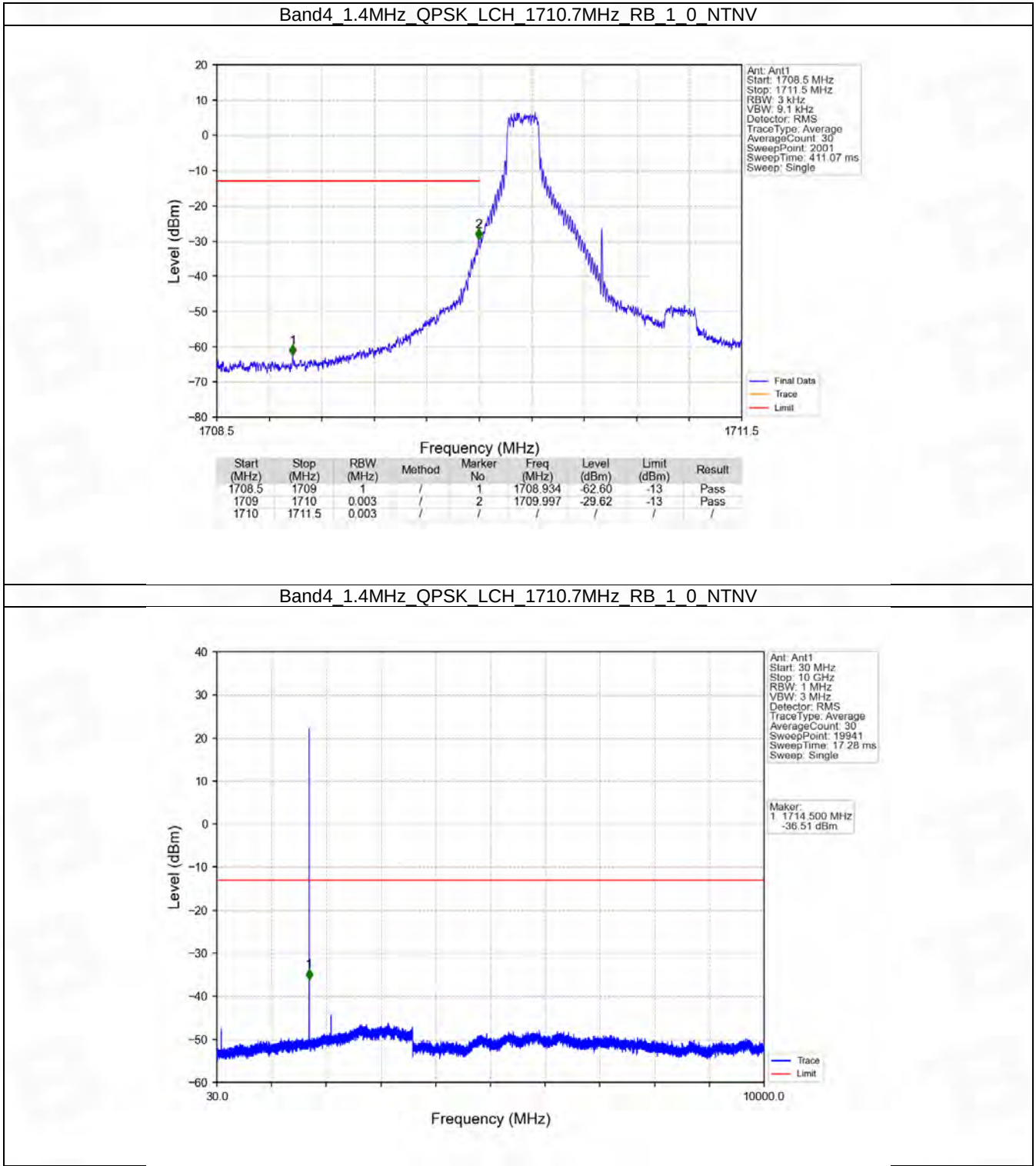
6. Spurious Emission

6.1 B4_1.4MHz

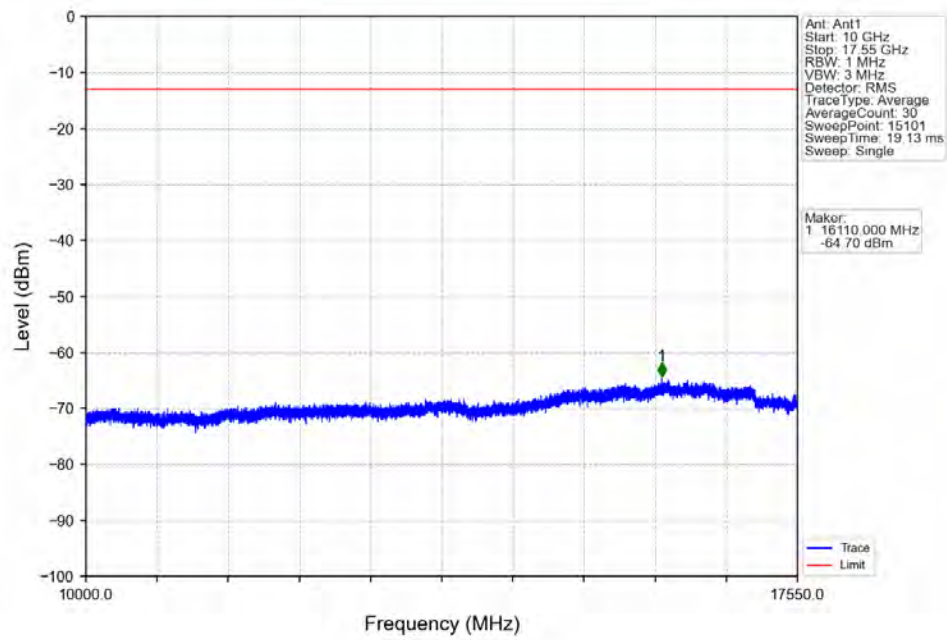
6.1.1 Test Result

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

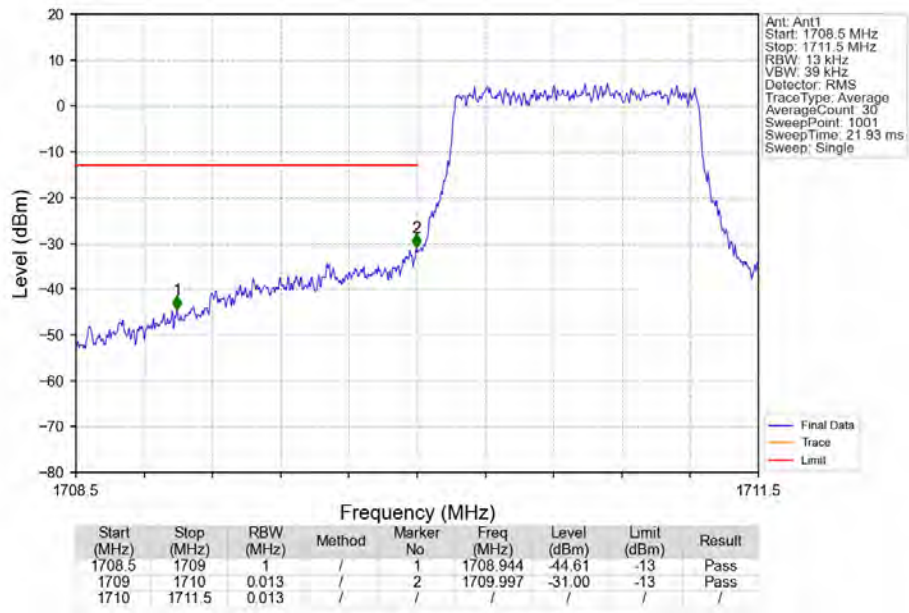
6.1.2 Test Graph



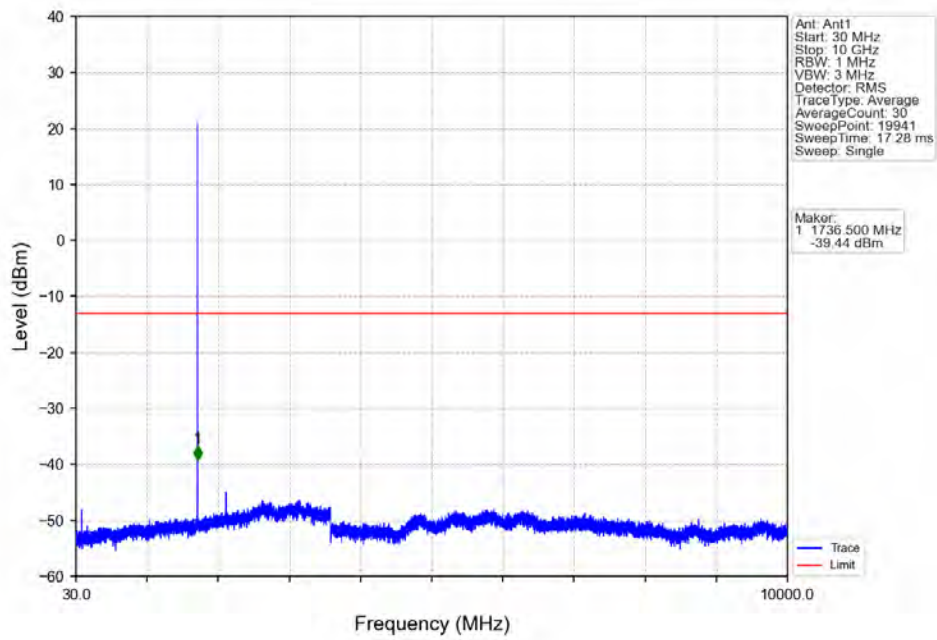
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



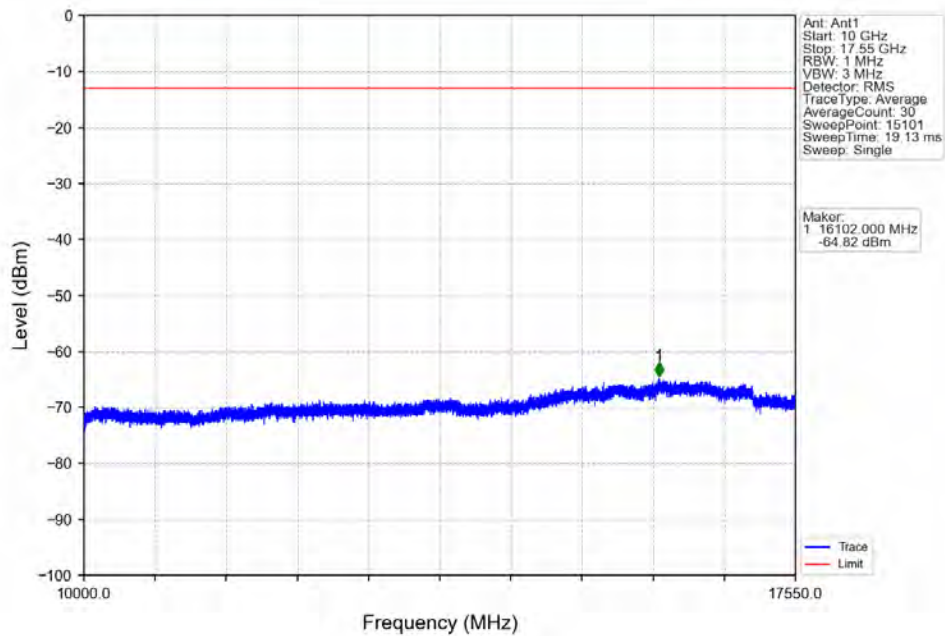
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



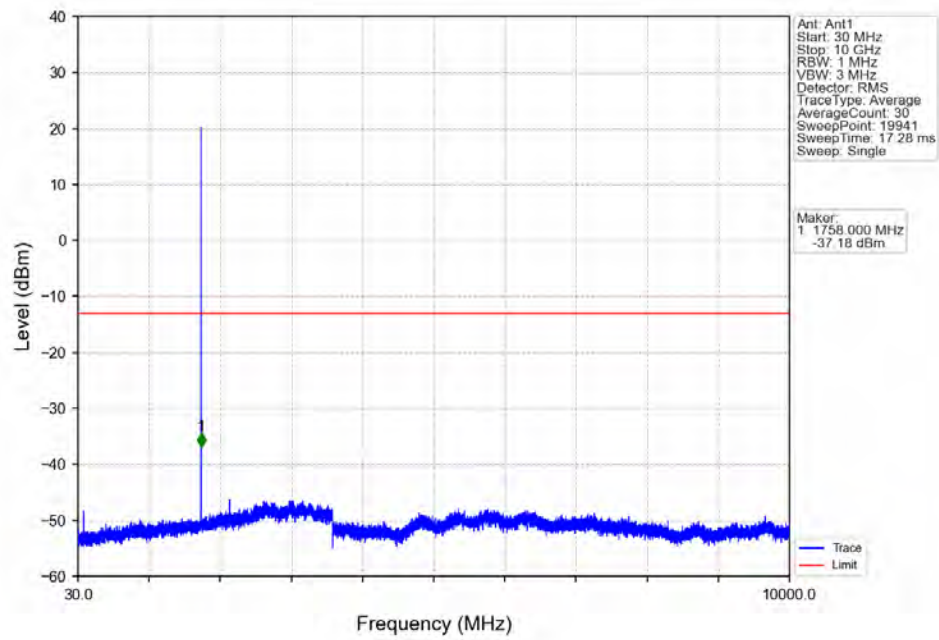
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



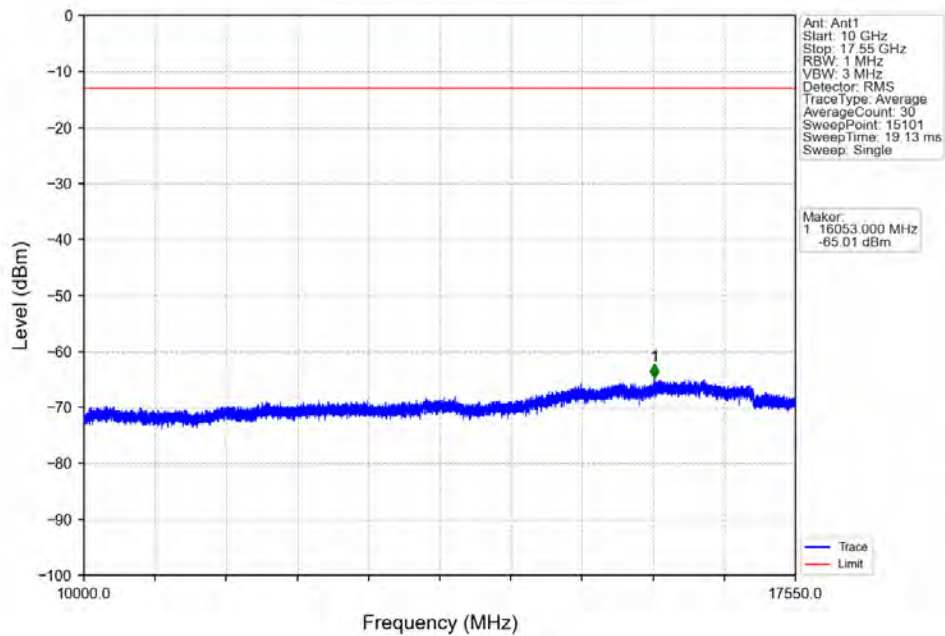
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



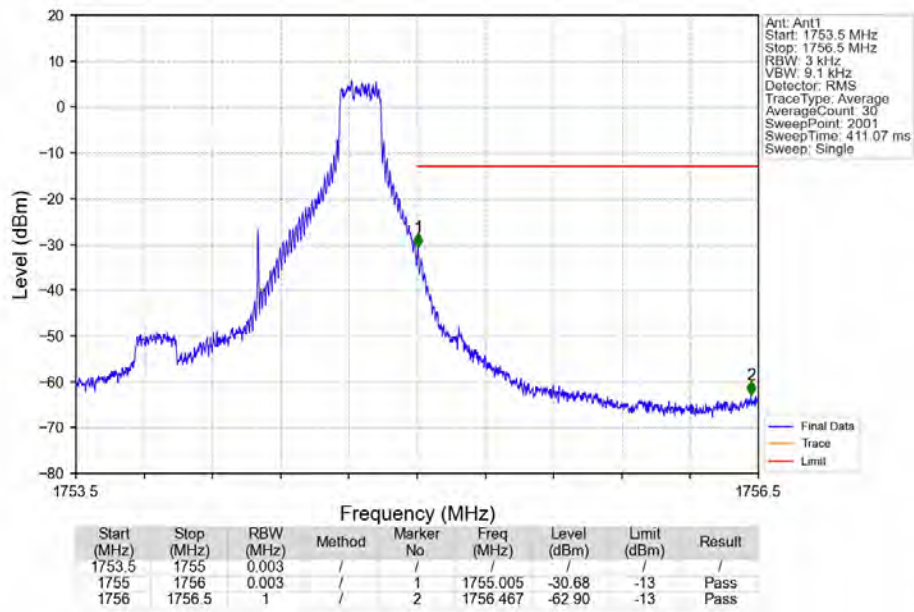
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



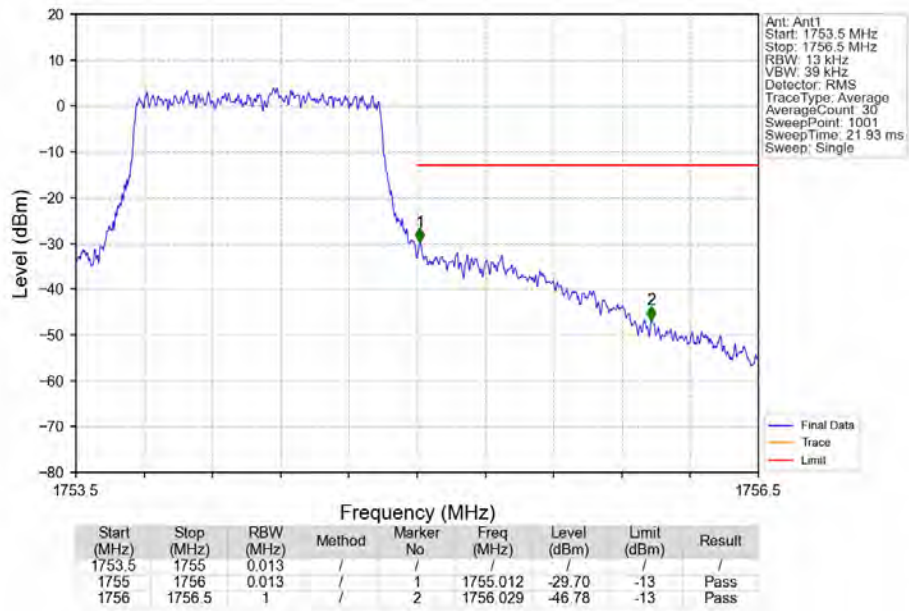
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



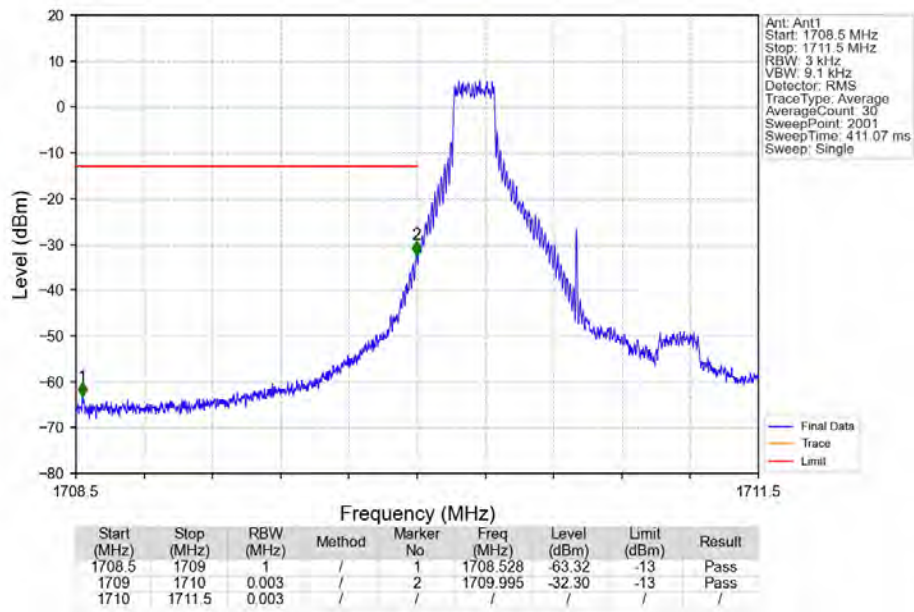
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTNV



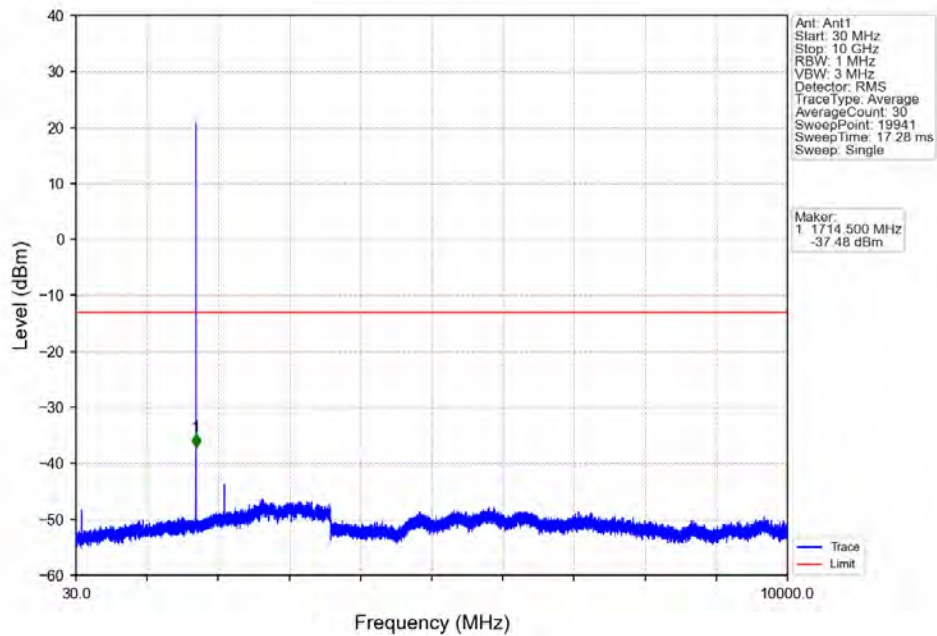
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



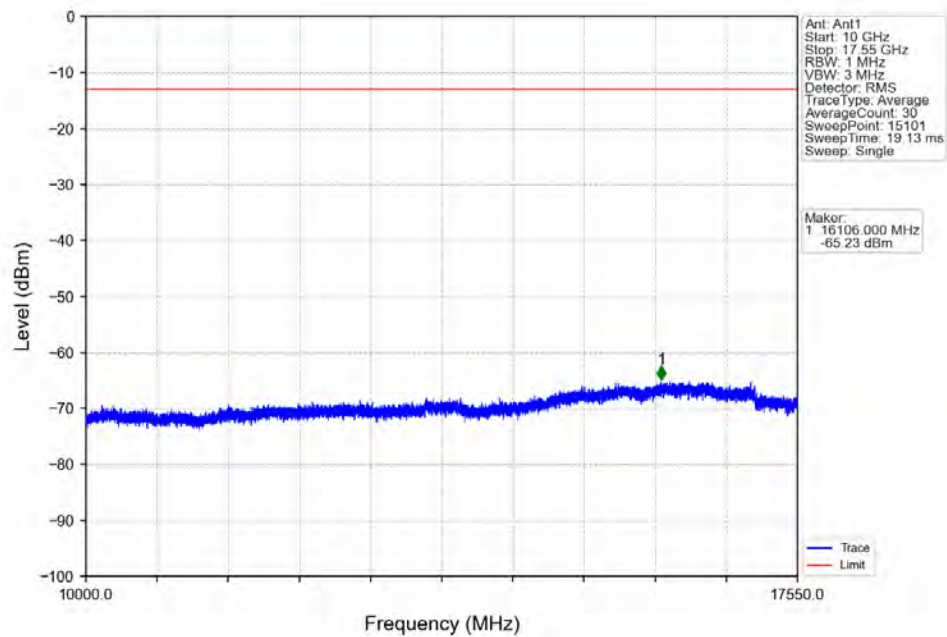
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV



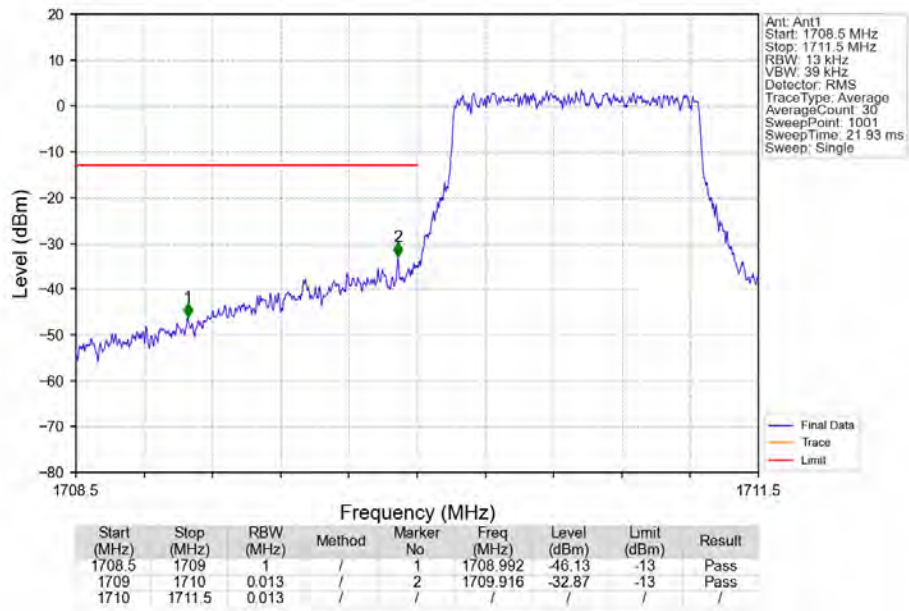
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV



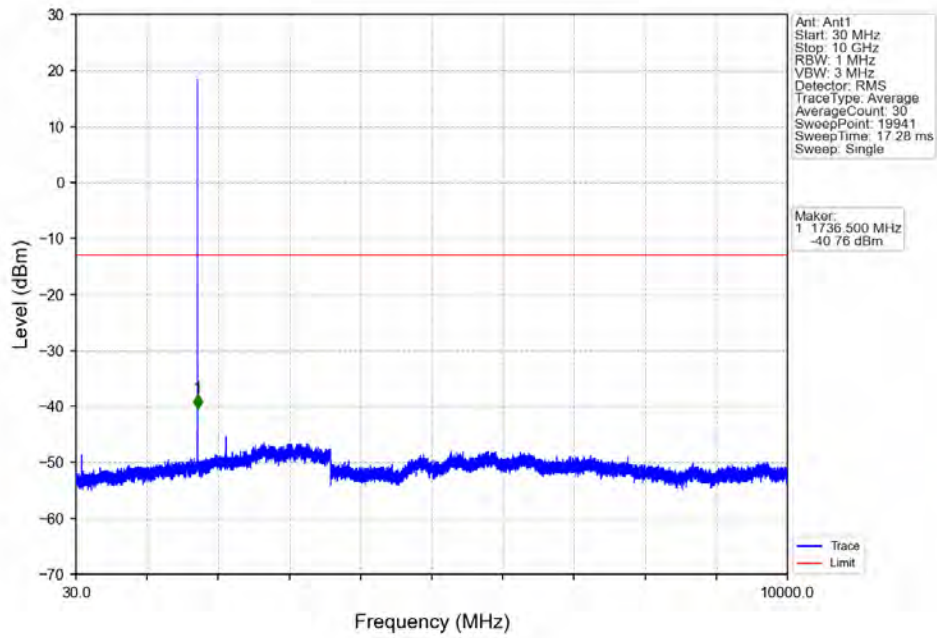
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV



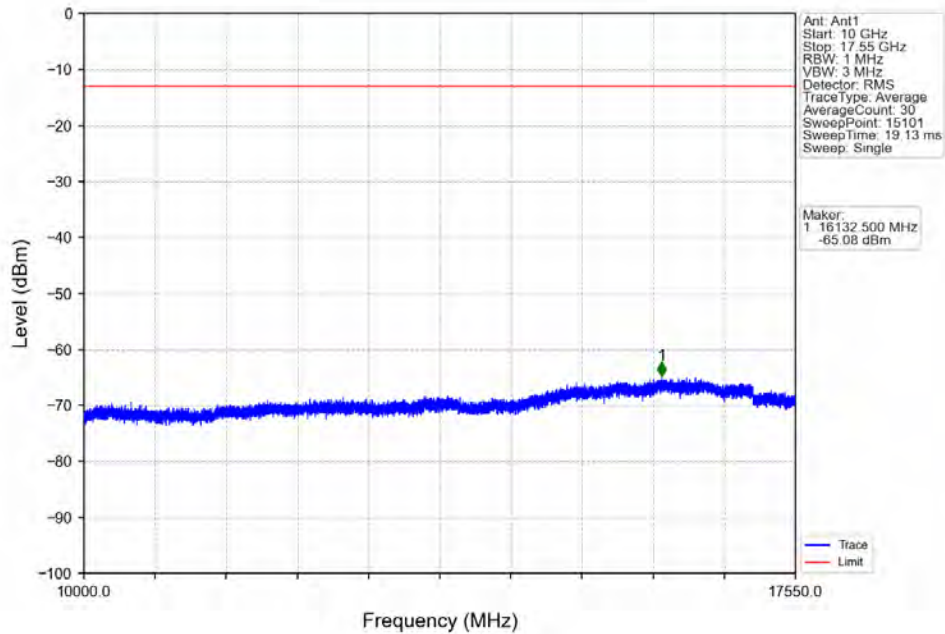
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



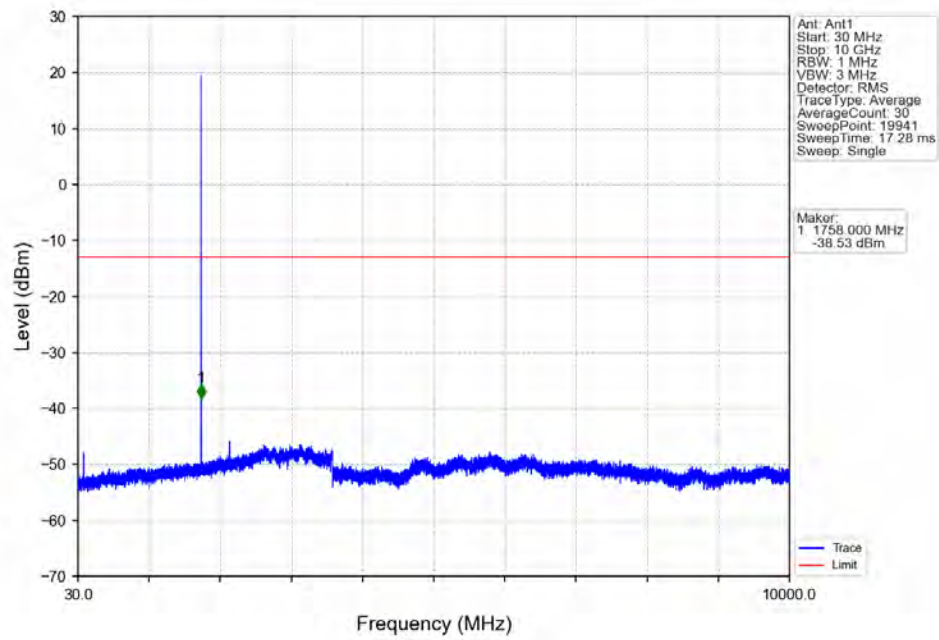
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



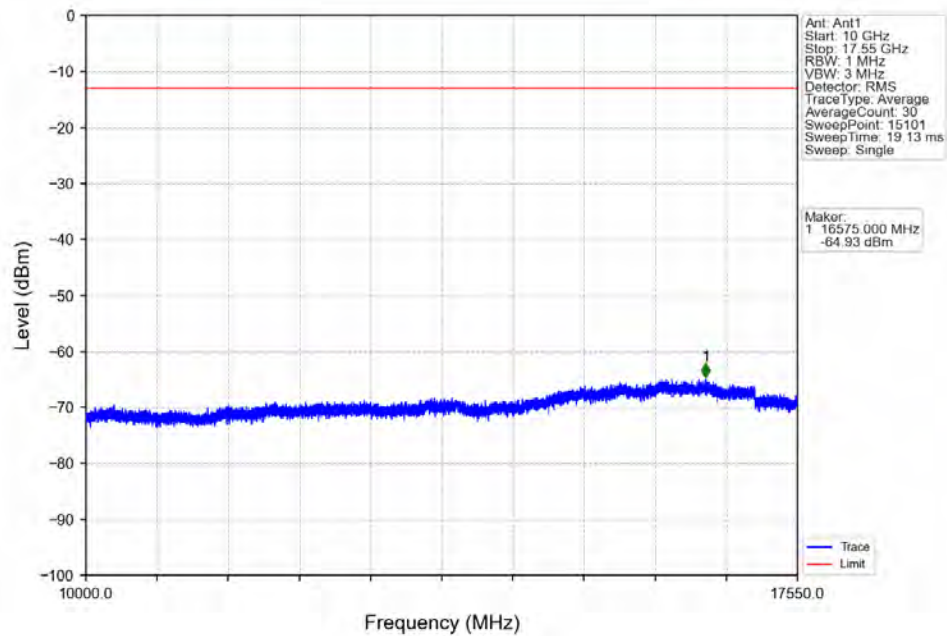
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



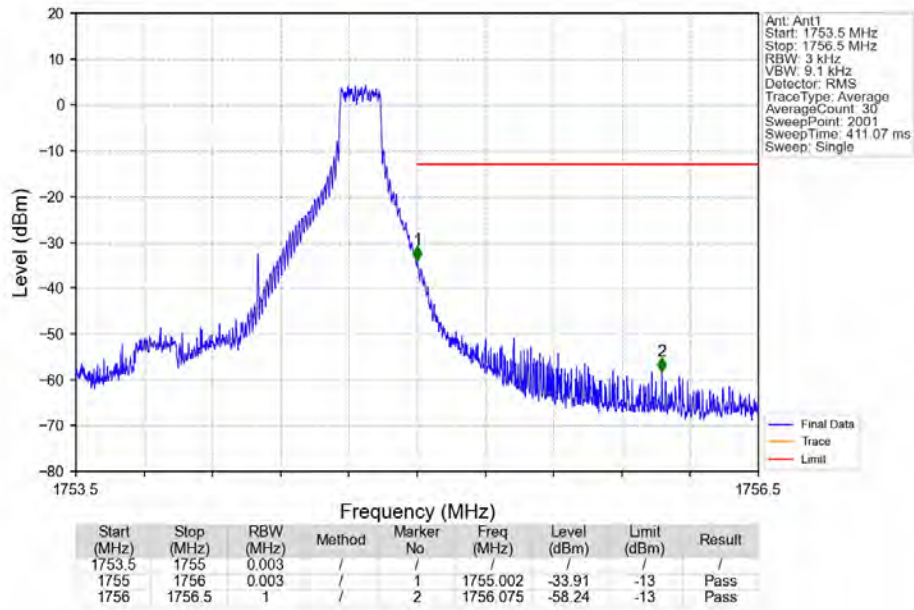
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



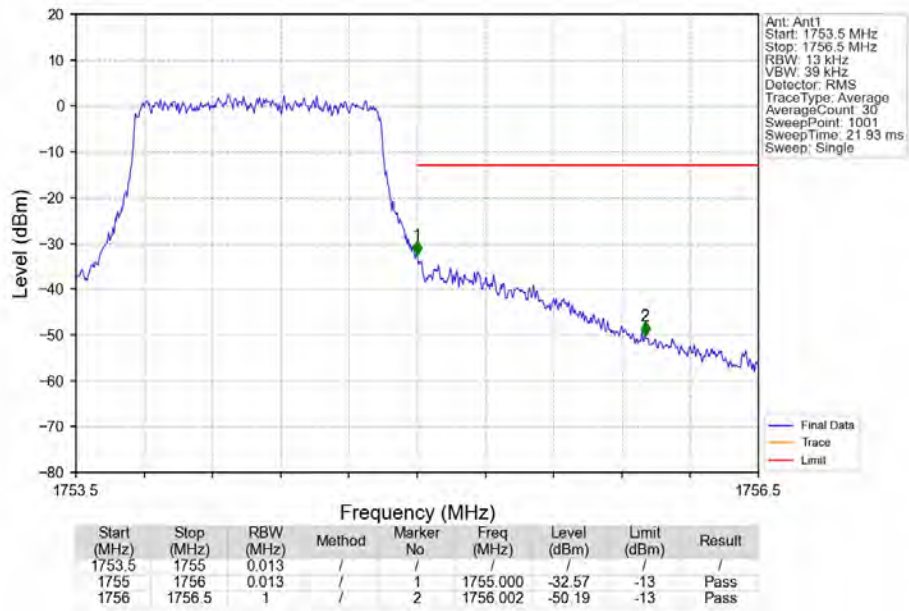
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



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



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

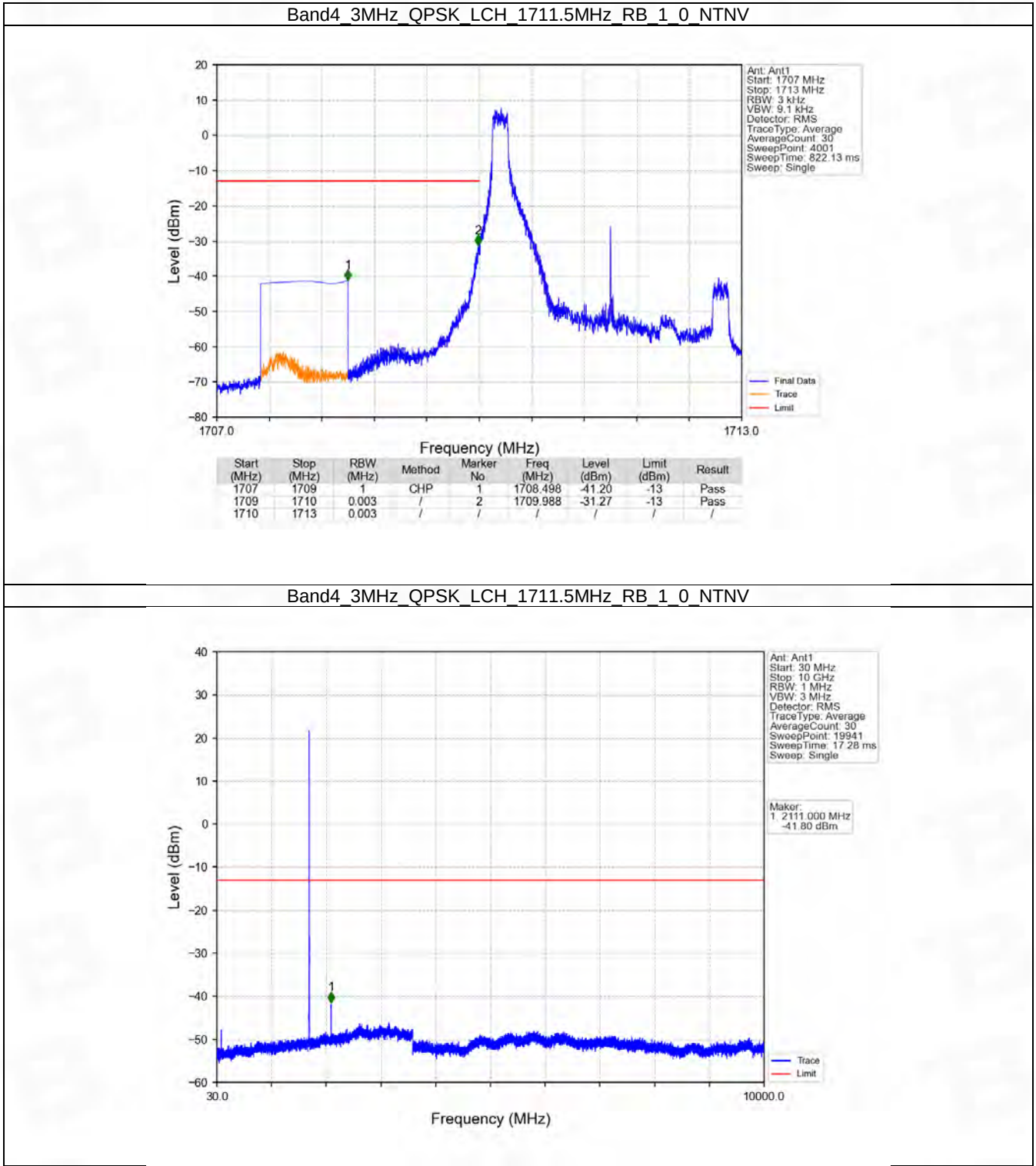


6.2 B4_3MHz

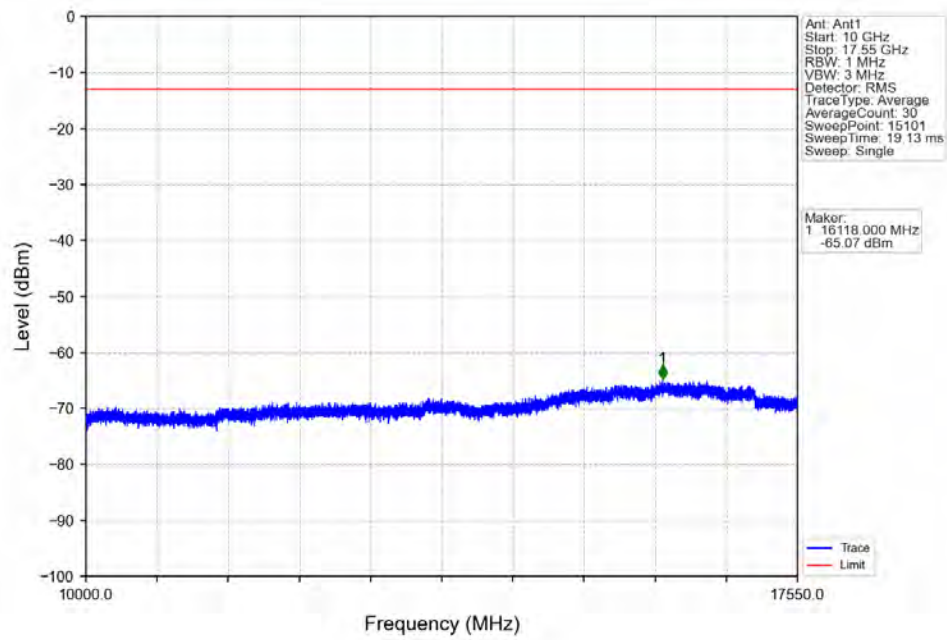
6.2.1 Test Result

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

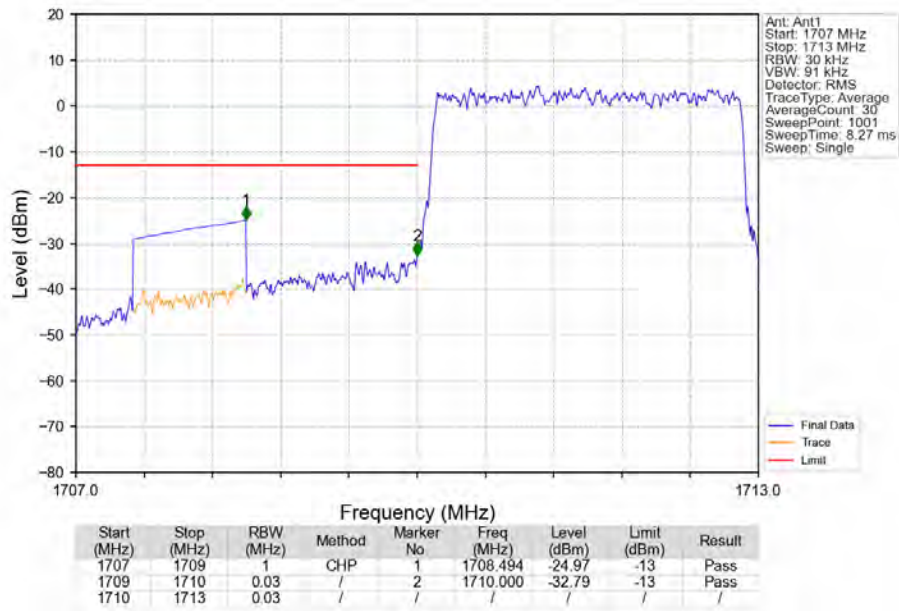
6.2.2 Test Graph



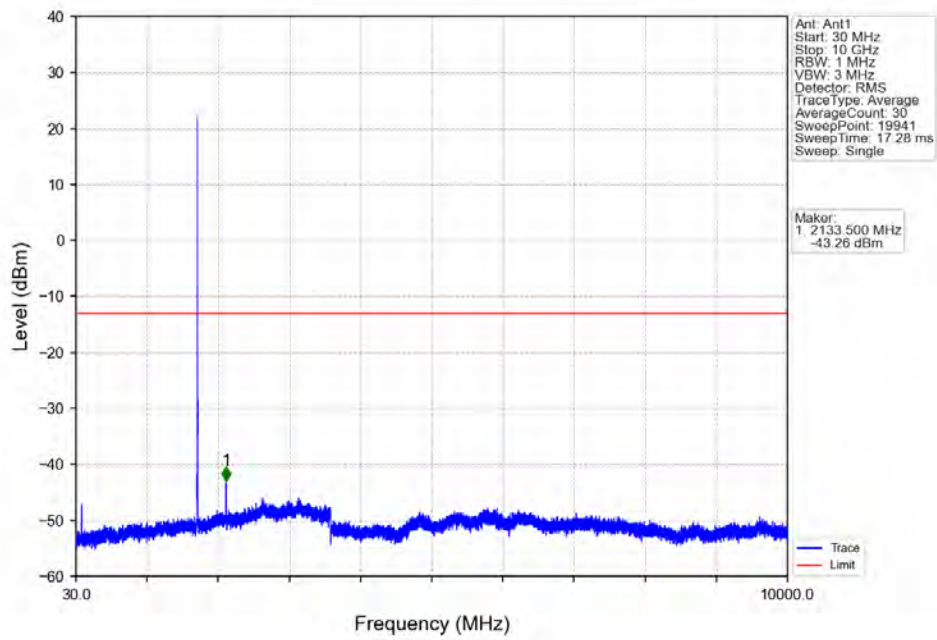
Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTNV



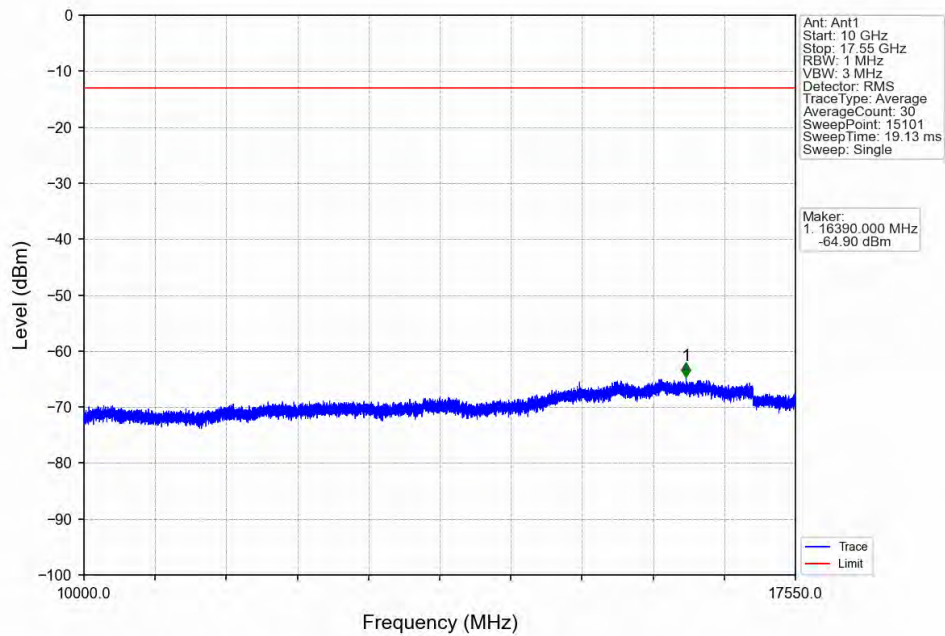
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



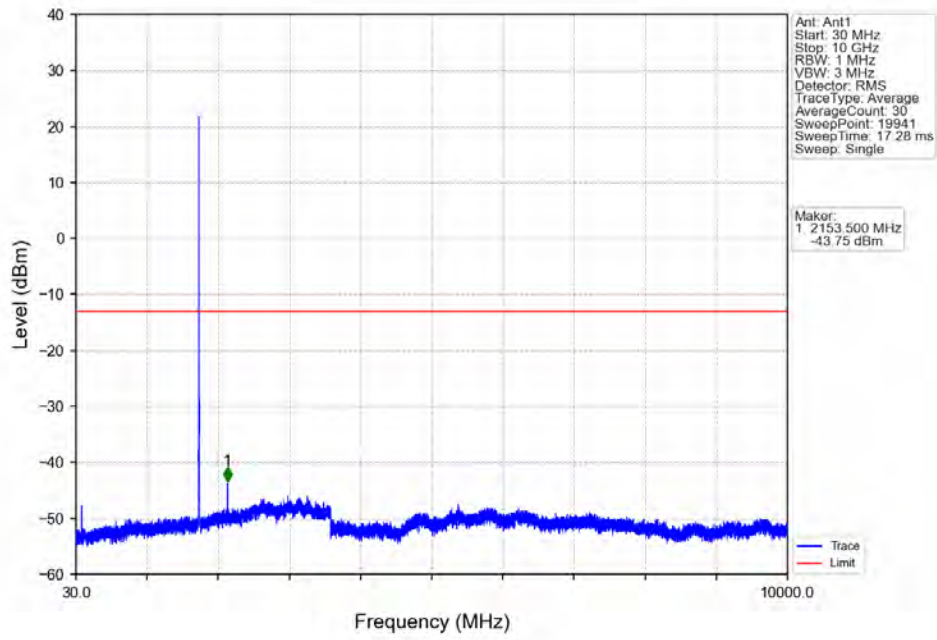
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



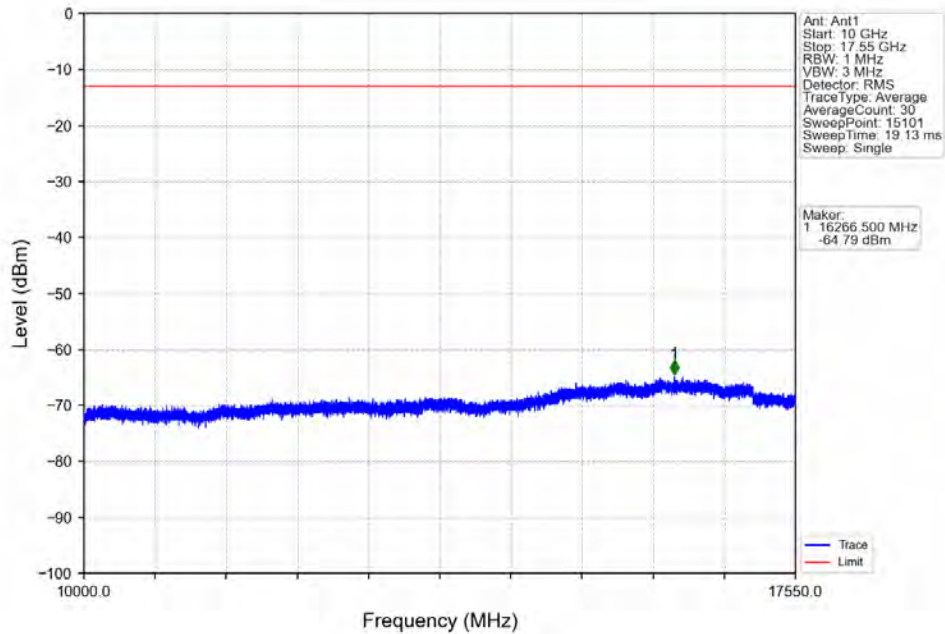
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



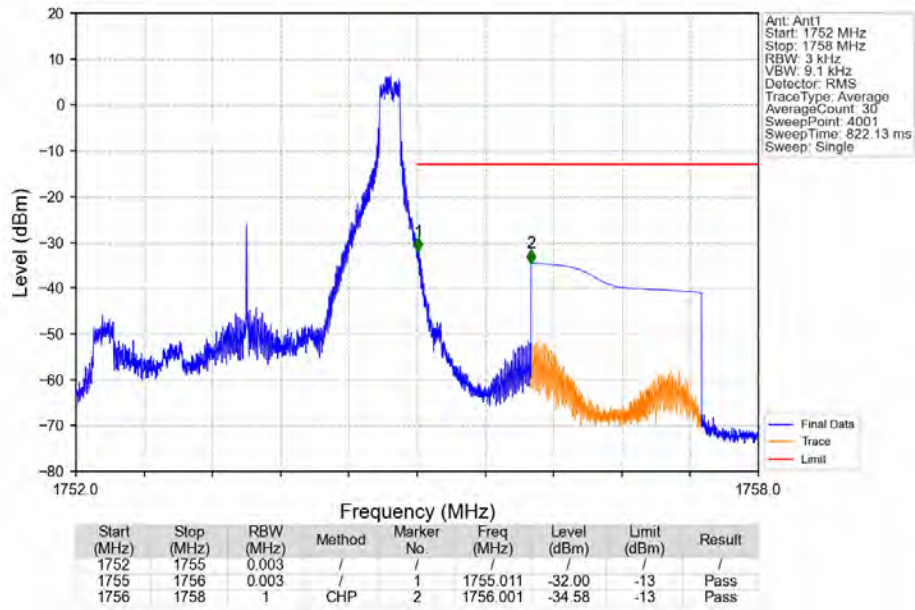
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



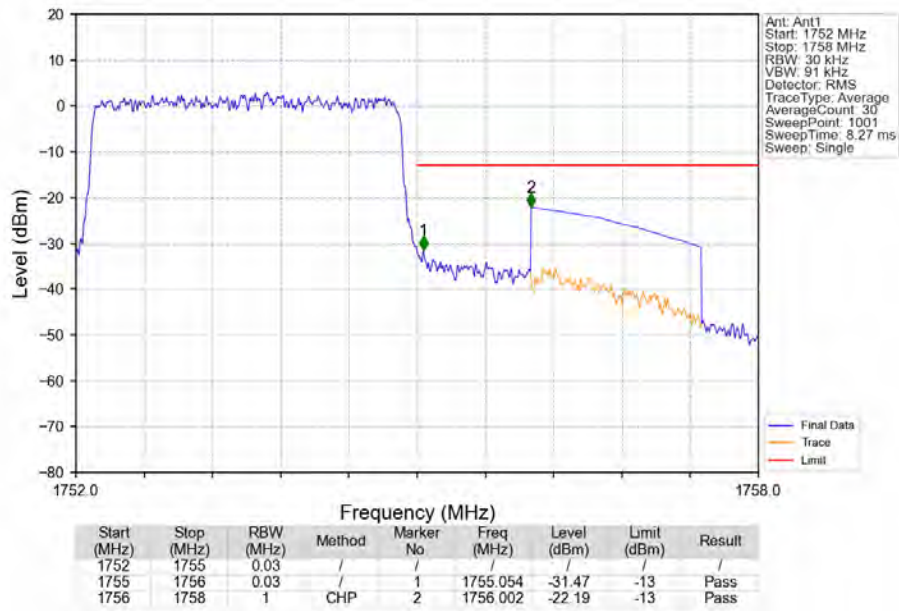
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



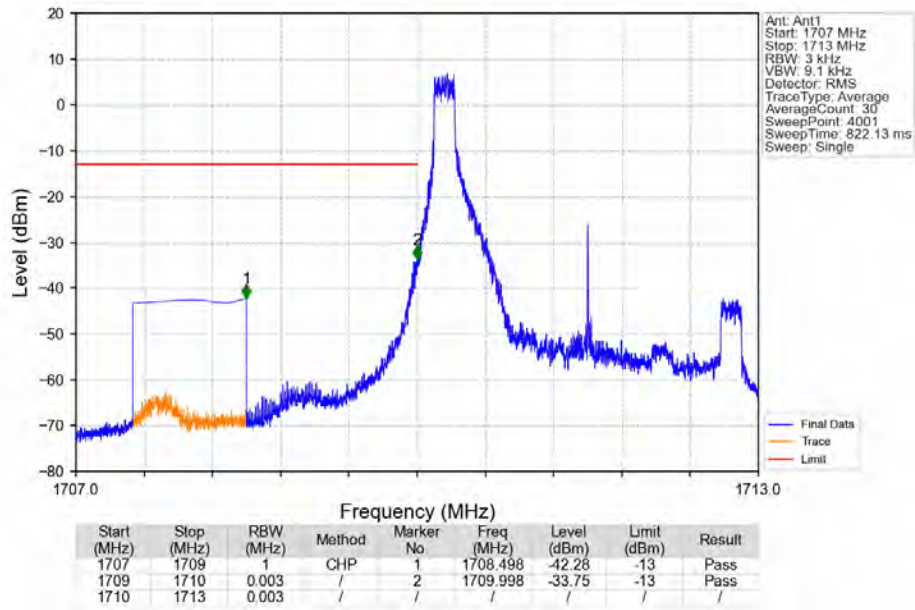
Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



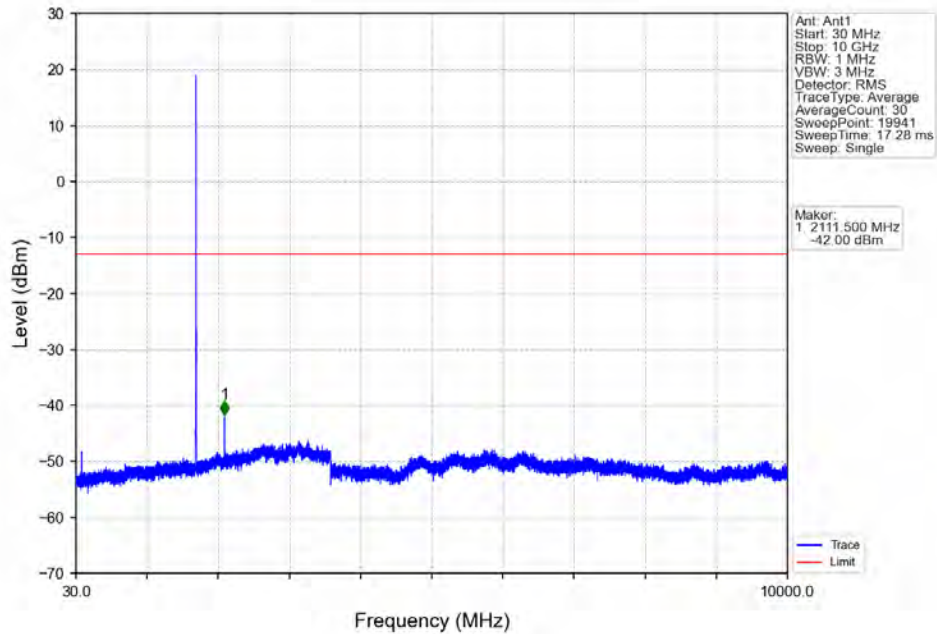
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



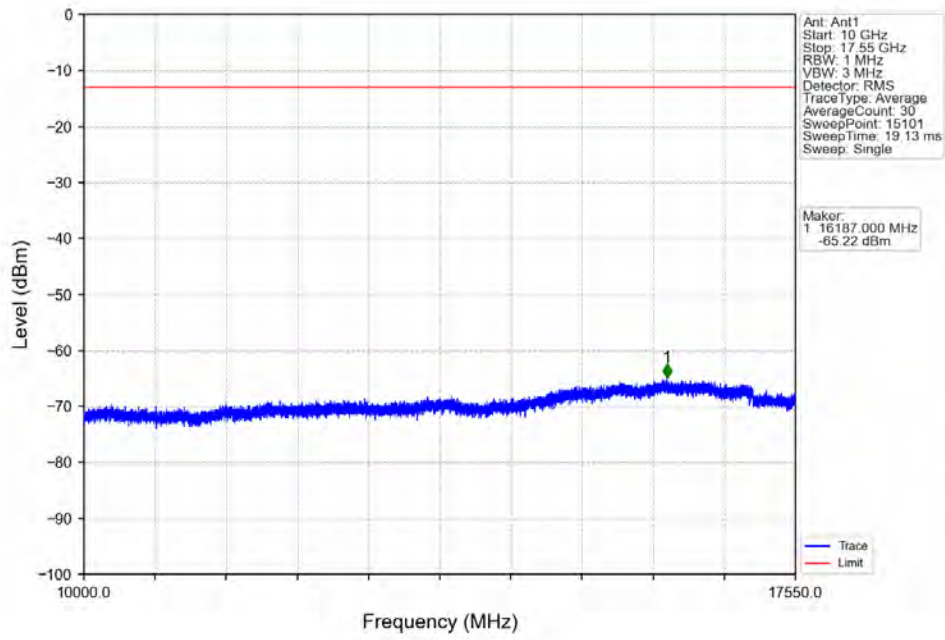
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTV



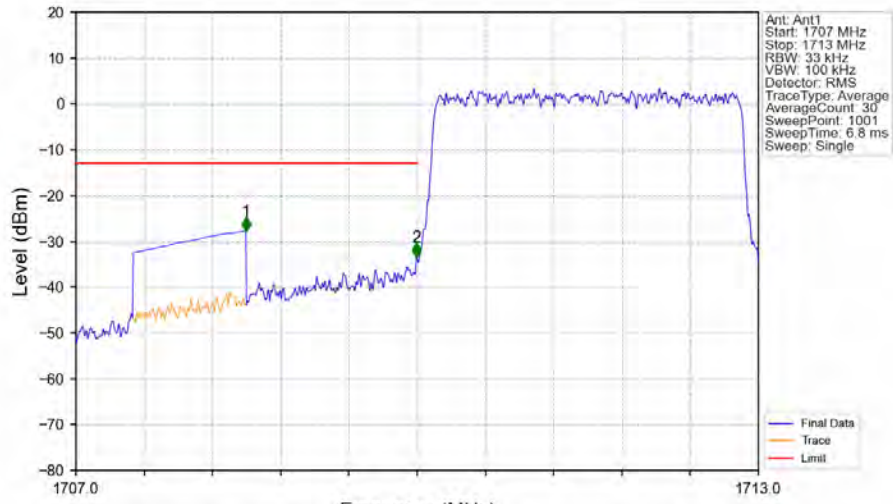
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTV



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

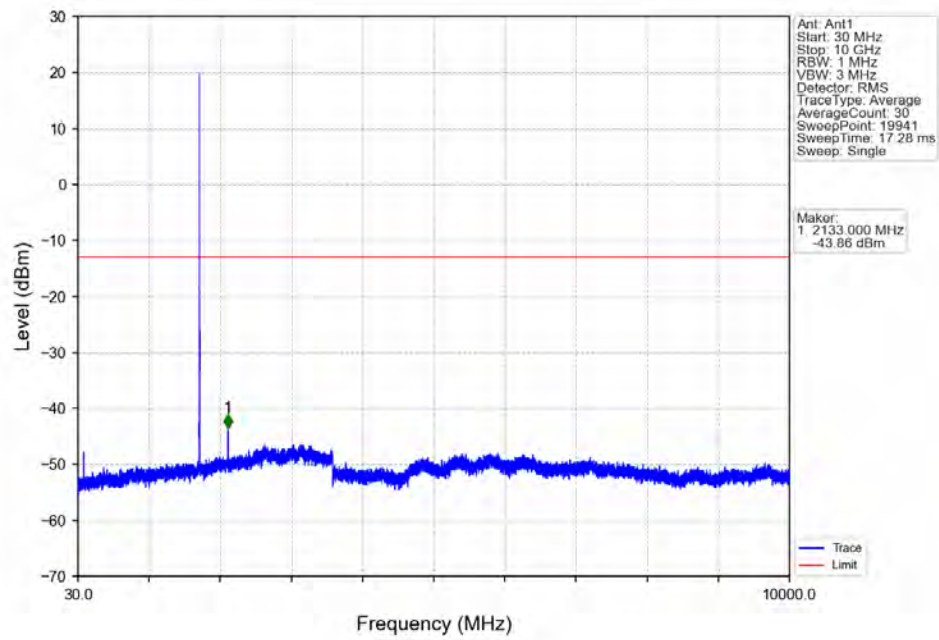


Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV

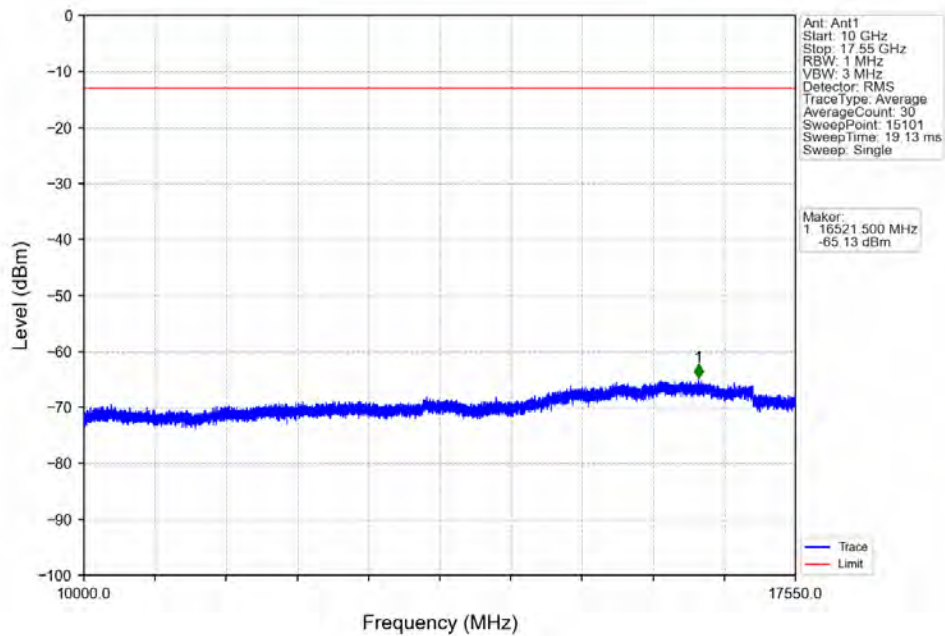


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-27.75	-13	Pass
1709	1710	0.033	/	2	1709.994	-33.40	-13	Pass
1710	1713	0.033	/	/	/	/	/	/

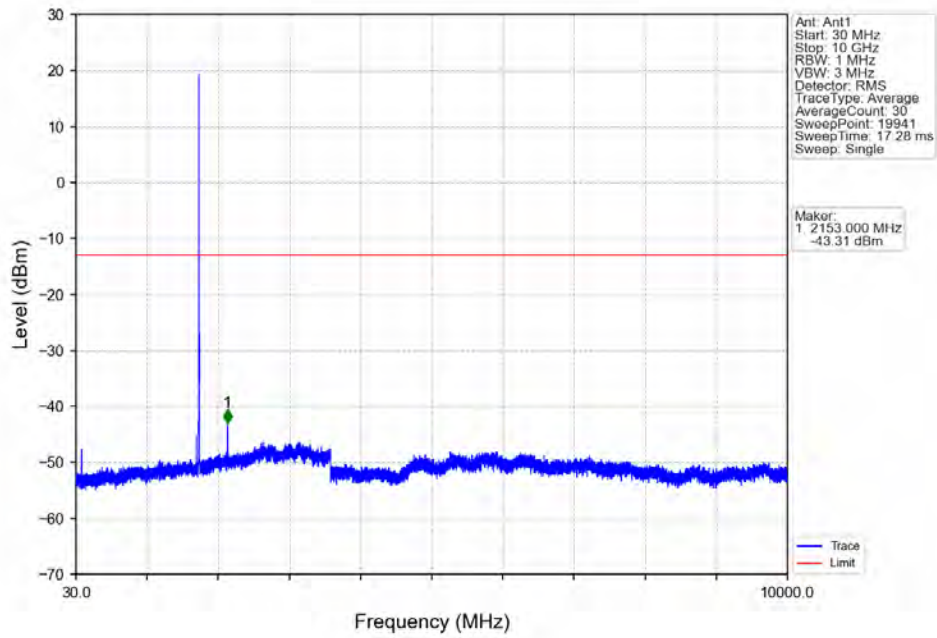
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



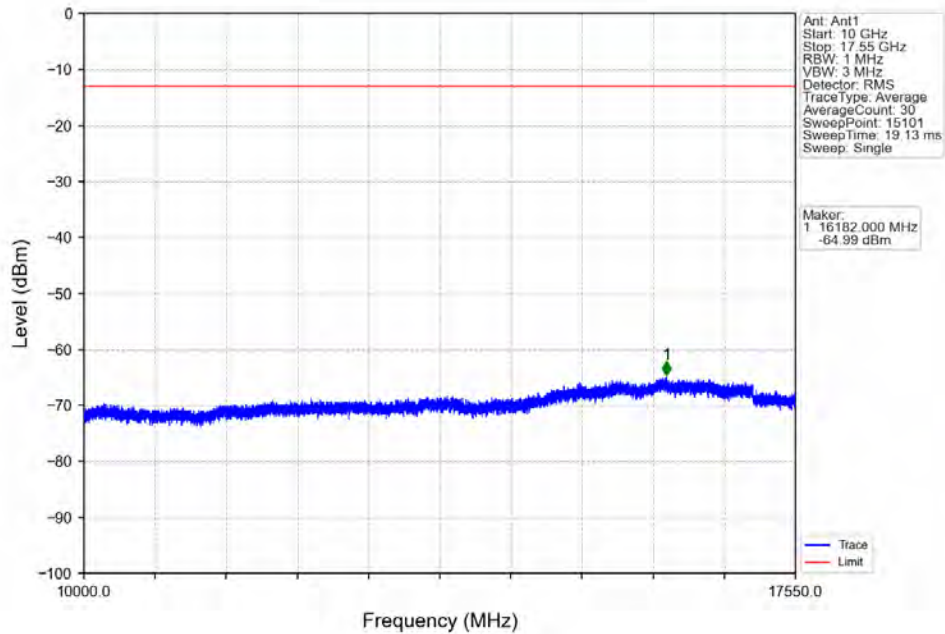
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



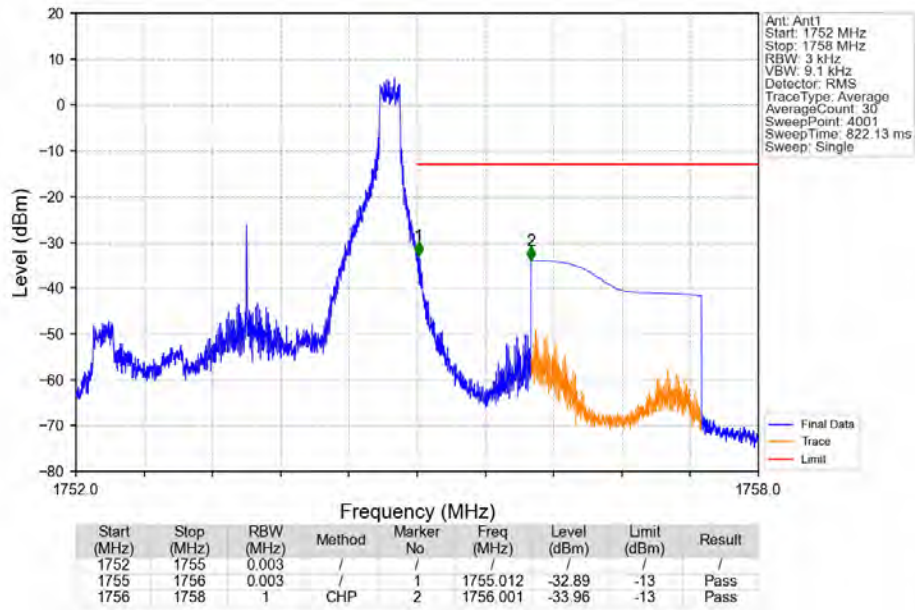
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTNV



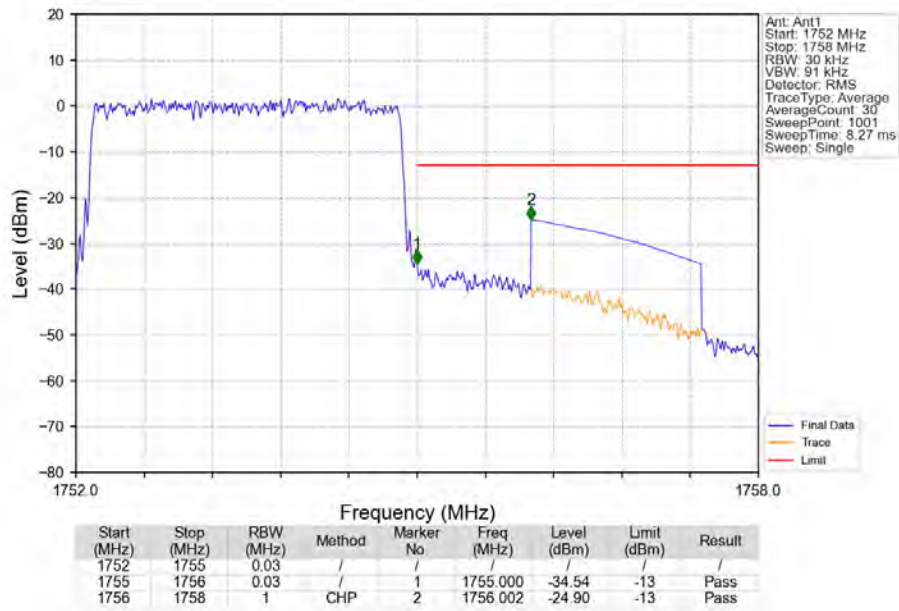
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTNV



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



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

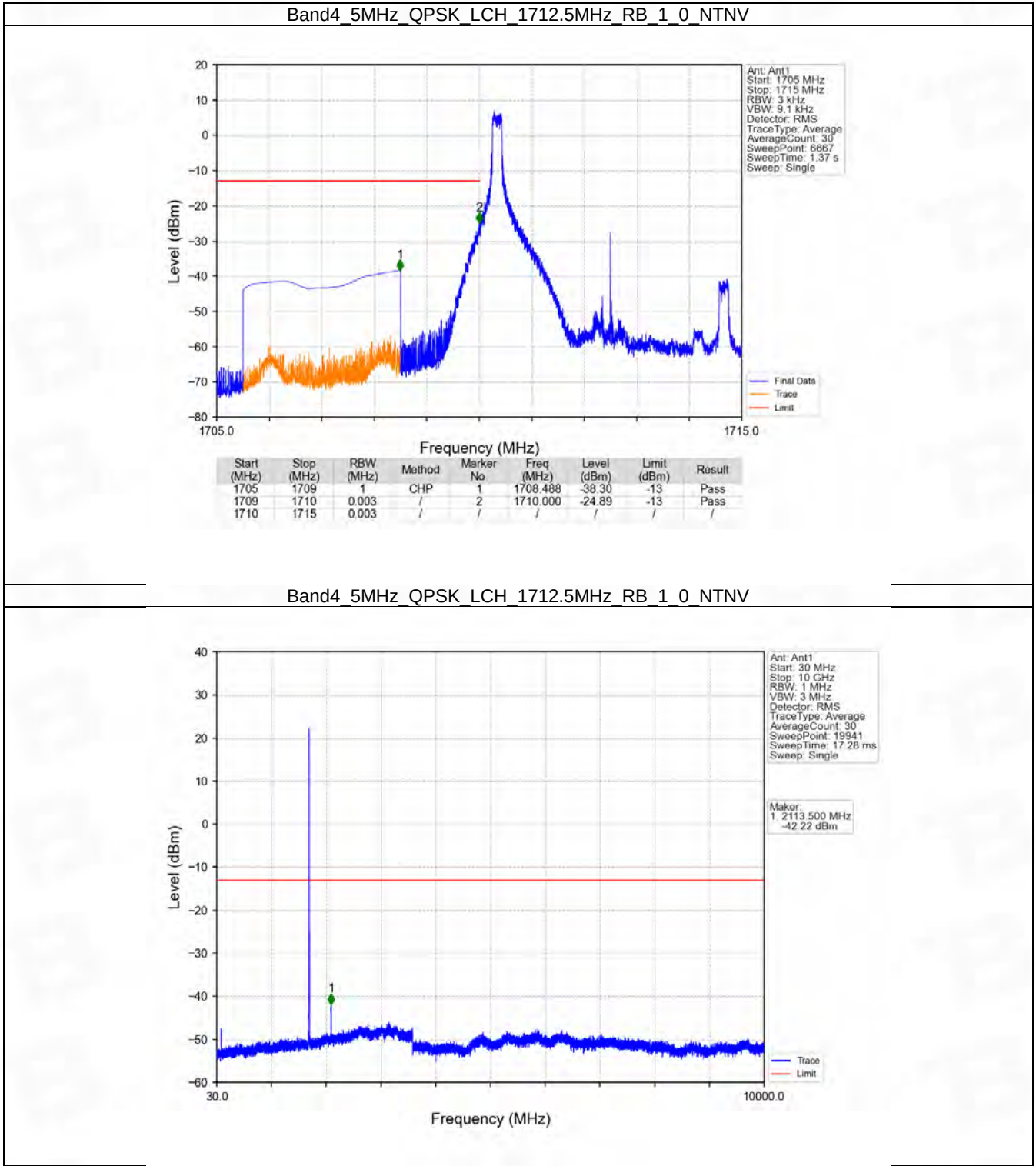


6.3 B4_5MHz

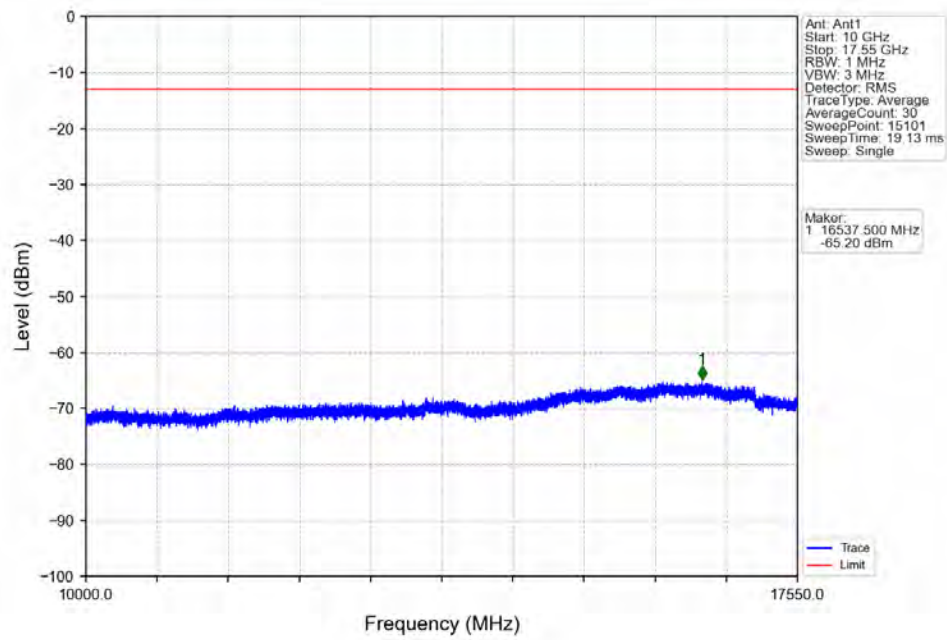
6.3.1 Test Result

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

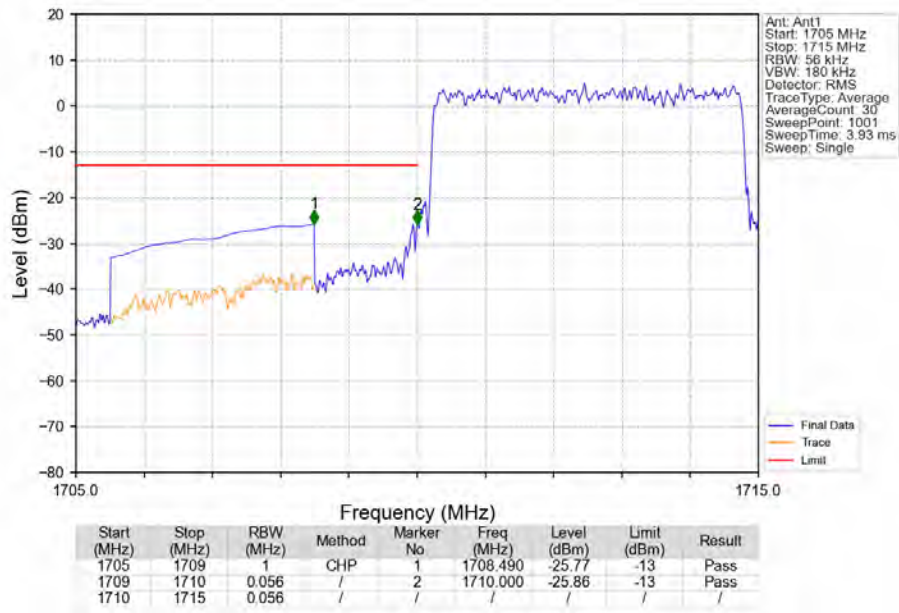
6.3.2 Test Graph



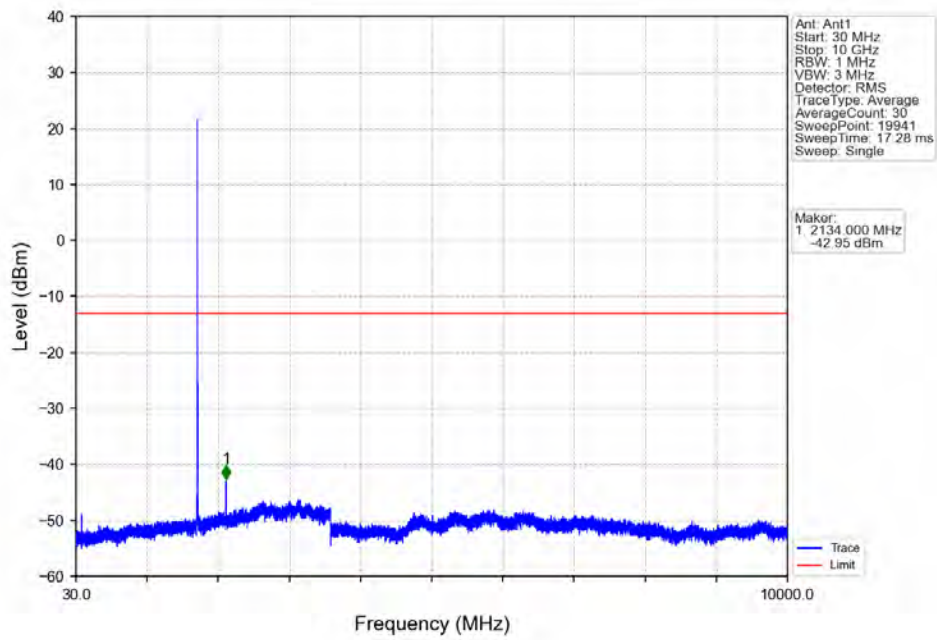
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV



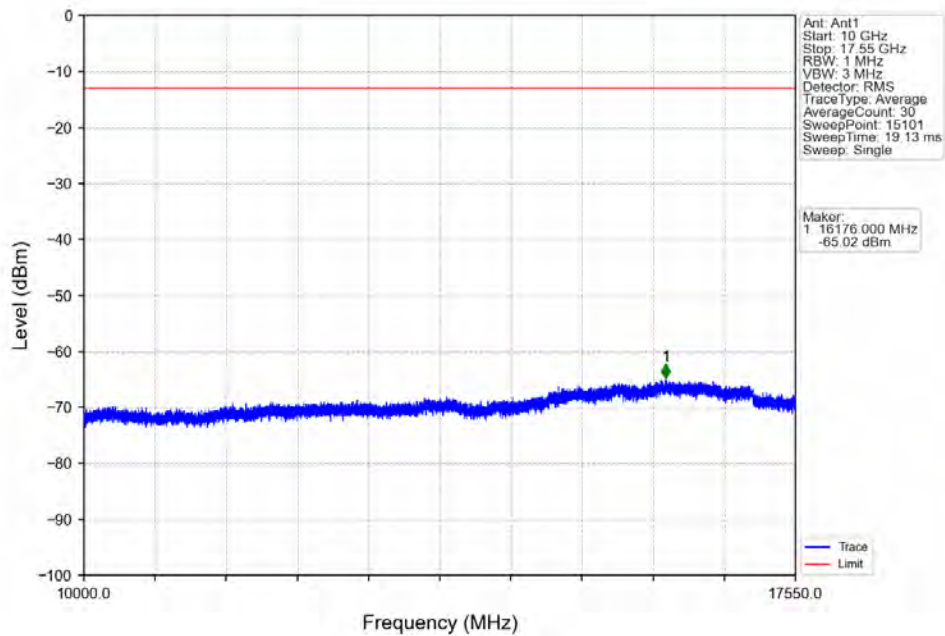
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



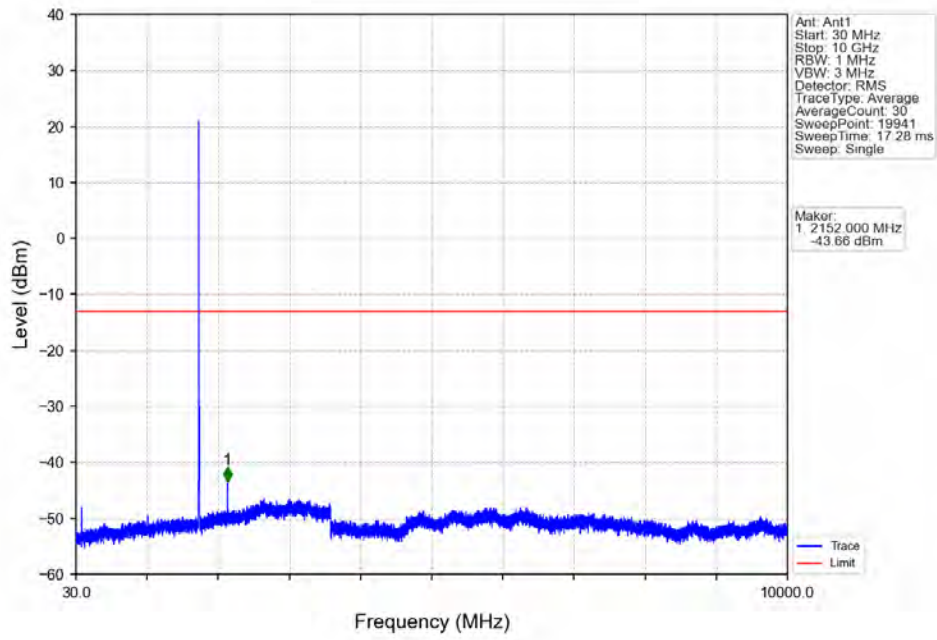
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



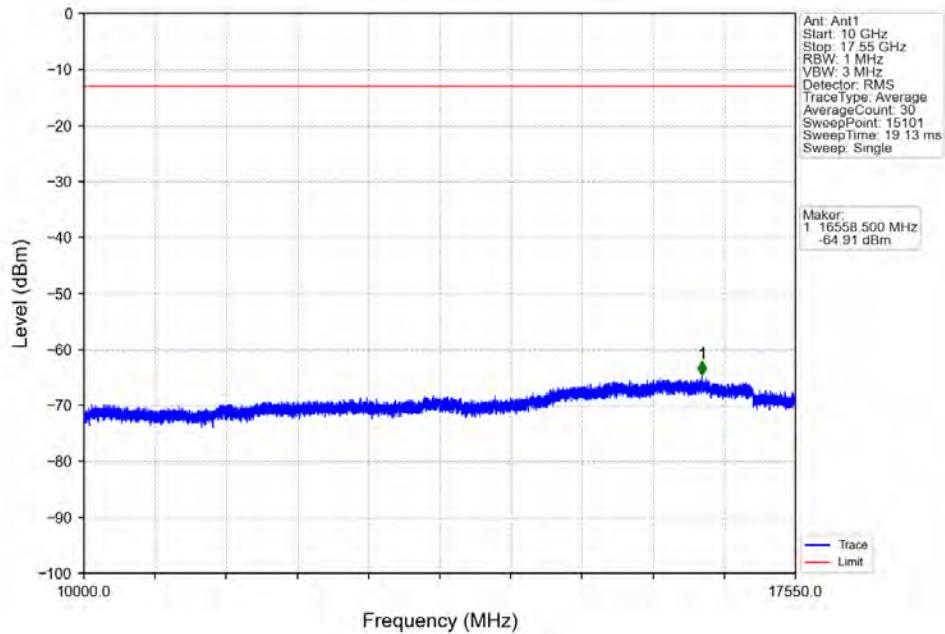
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



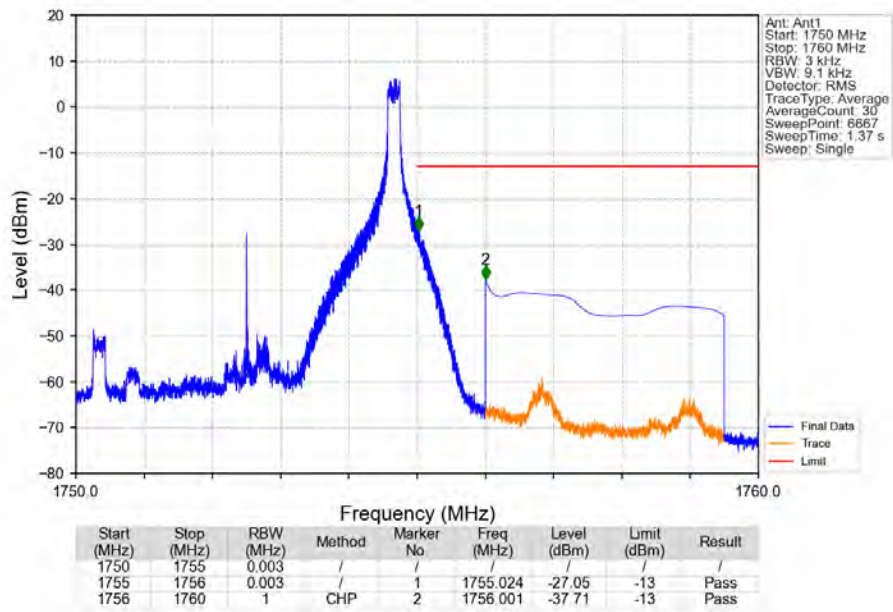
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTNV



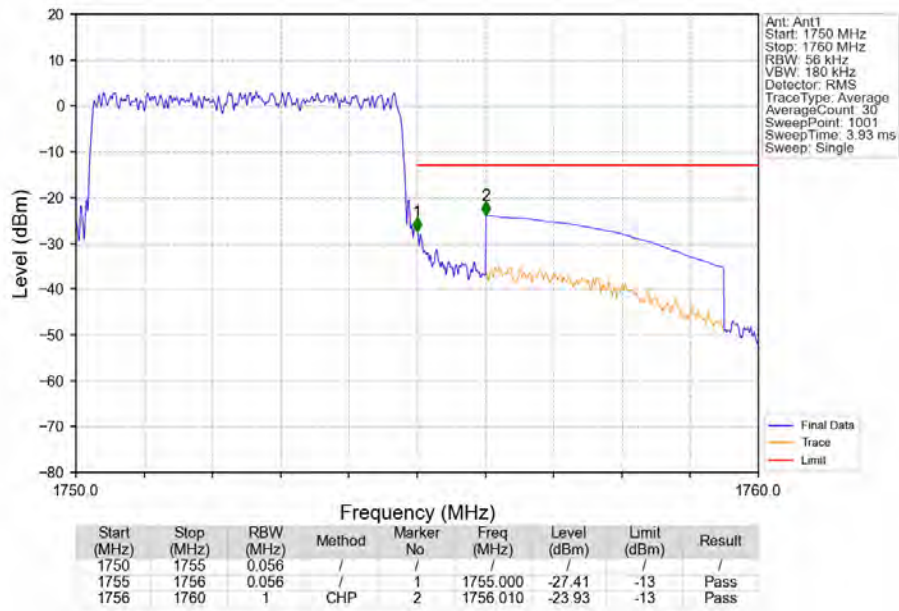
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTNV



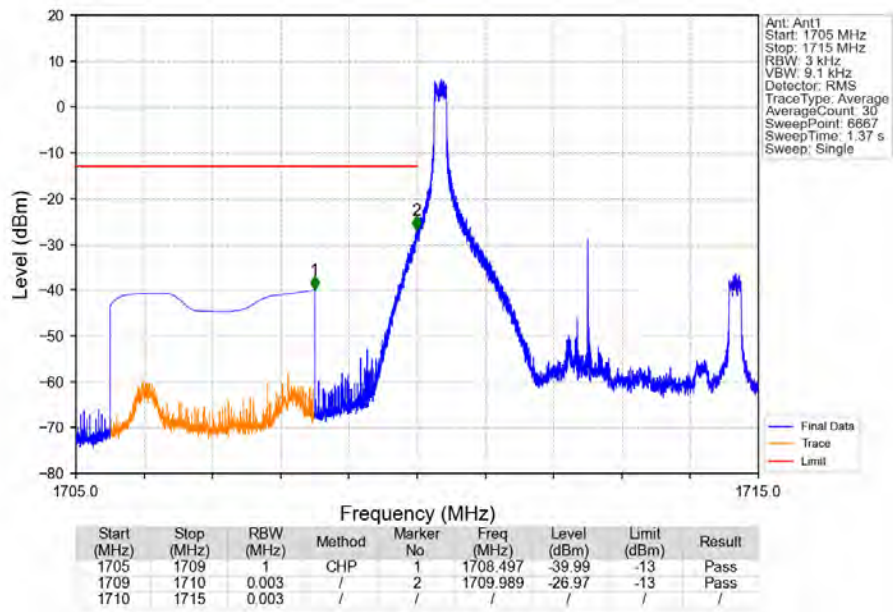
Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV



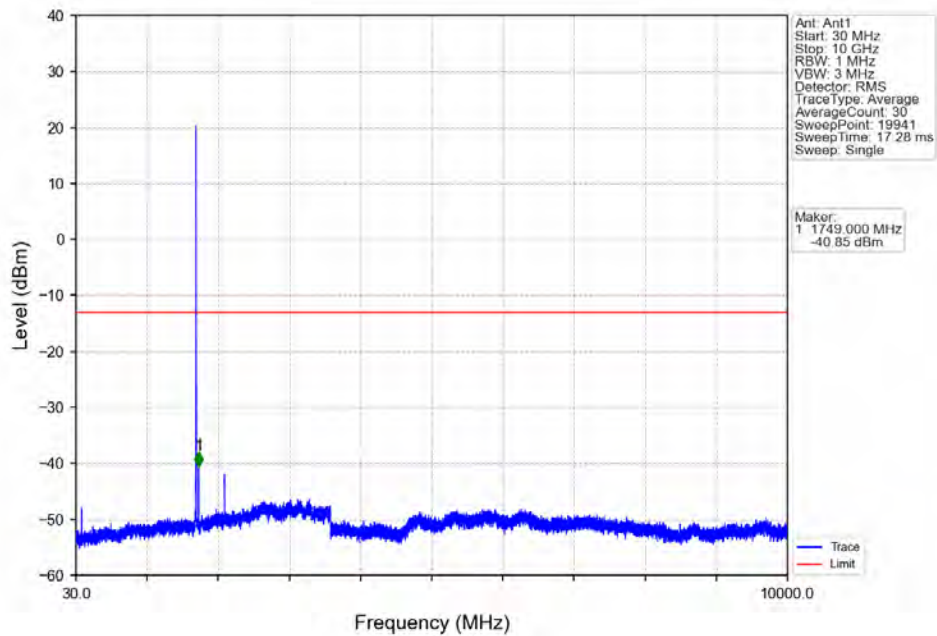
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV



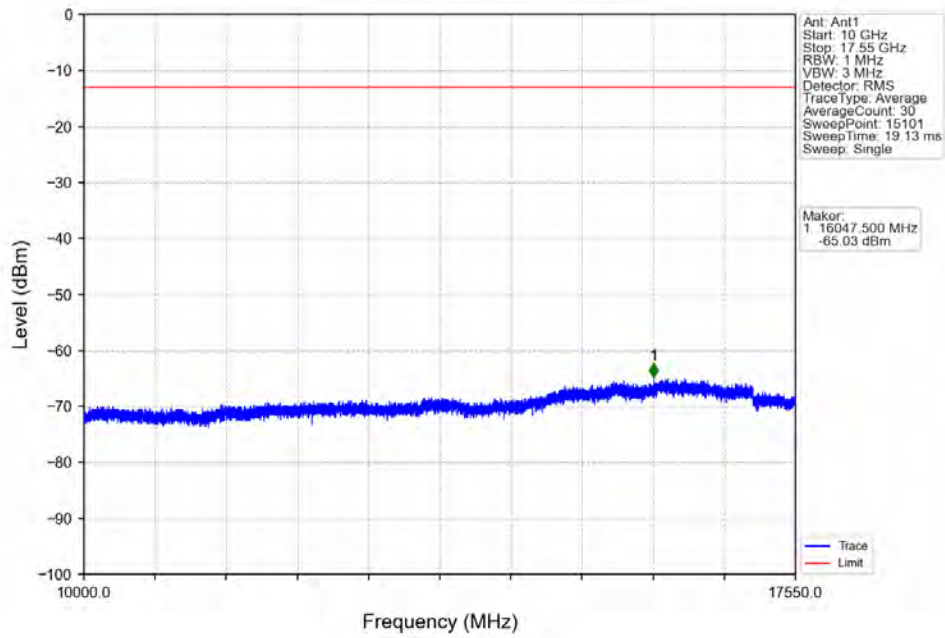
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTV



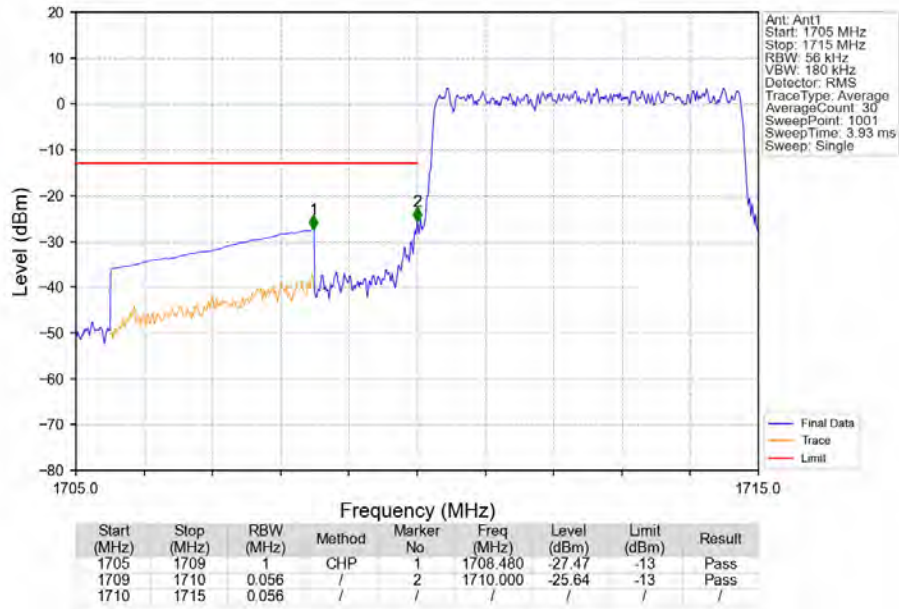
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTV



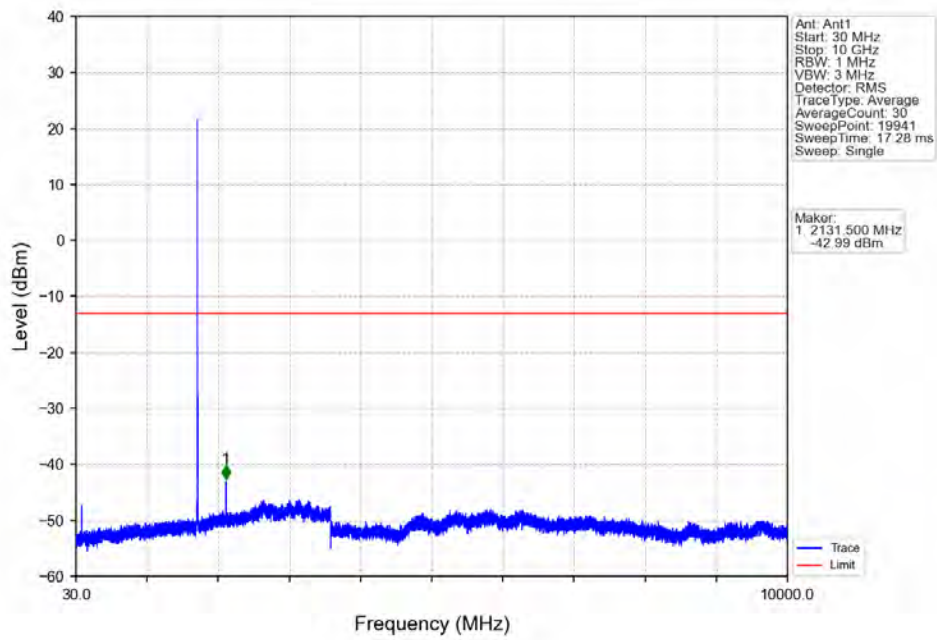
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



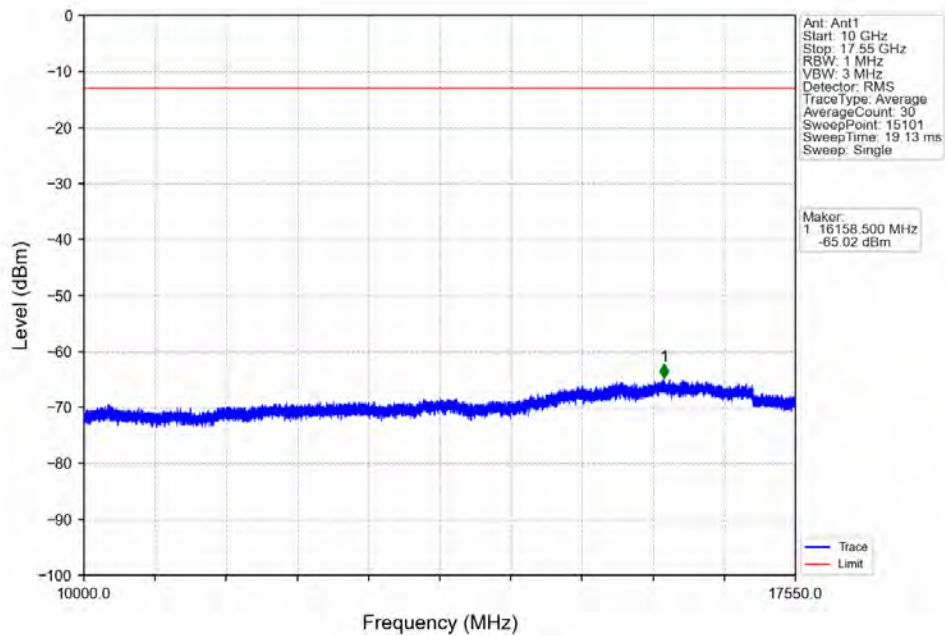
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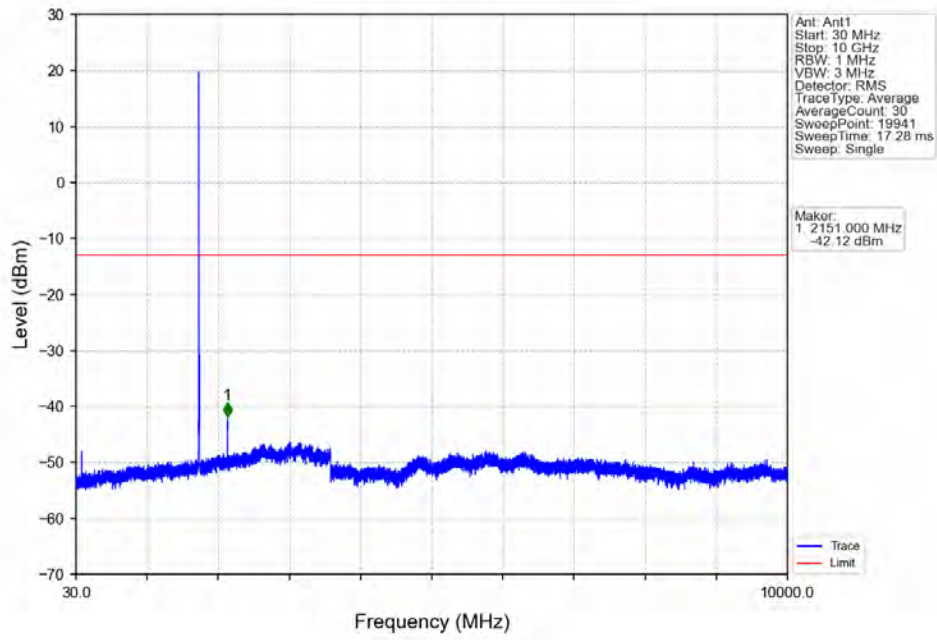
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



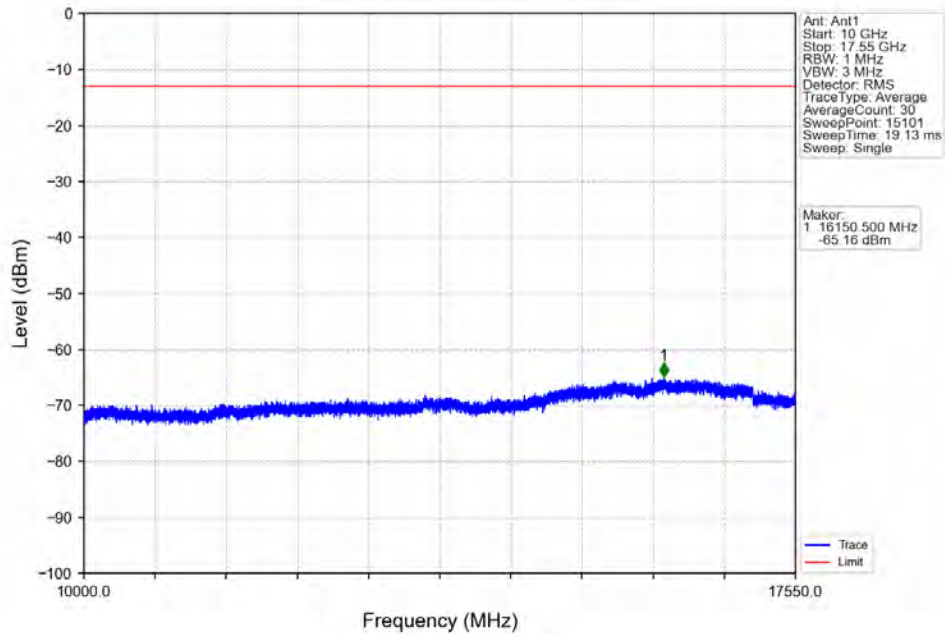
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



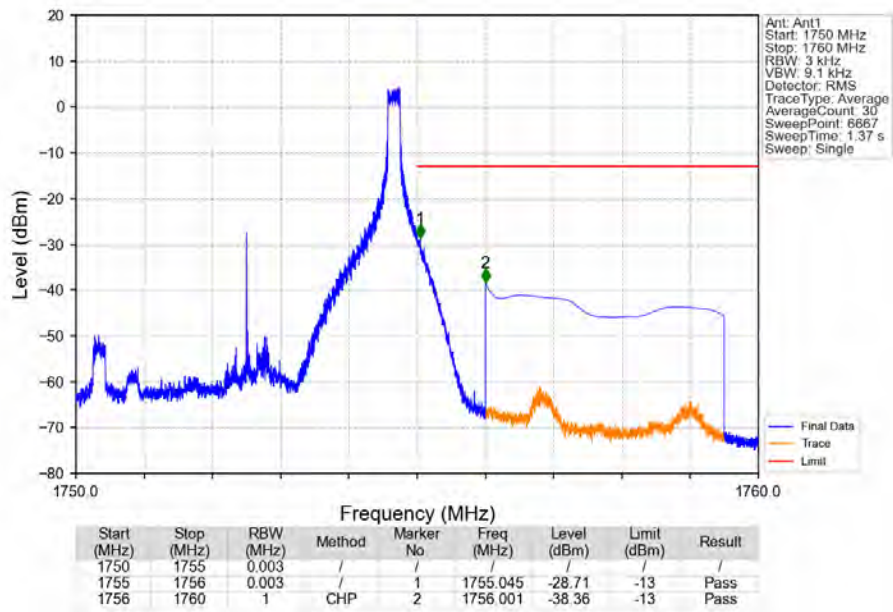
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTV



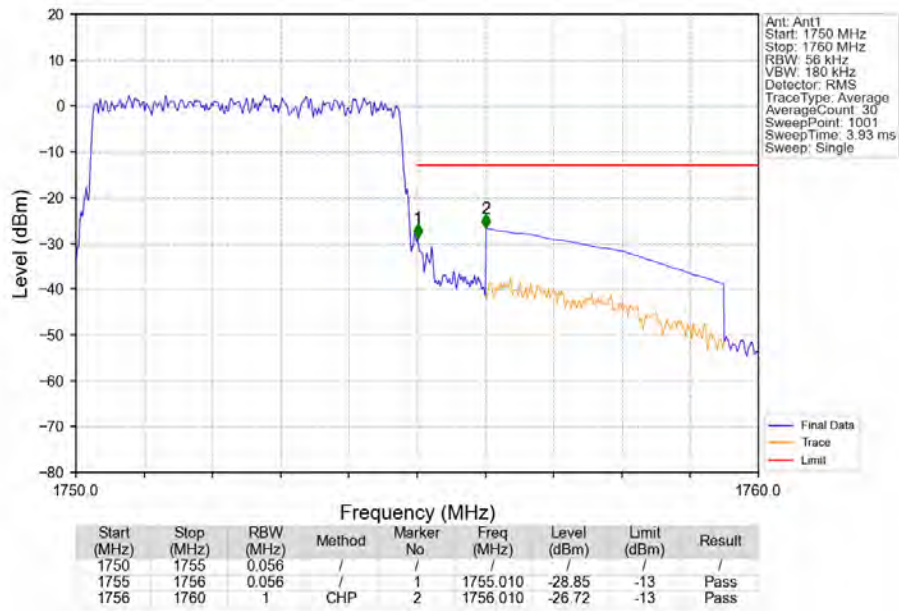
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTV



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



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

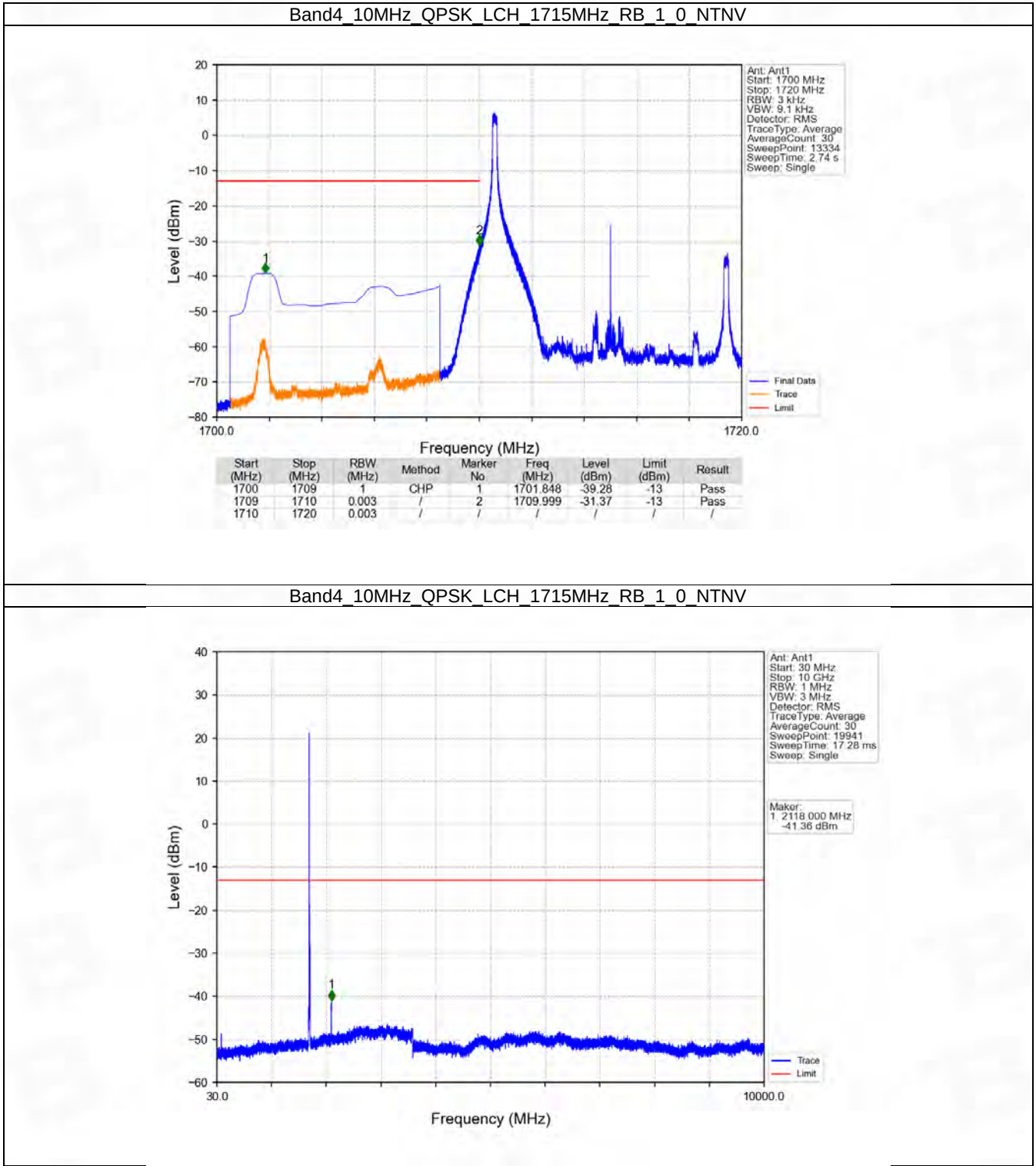


6.4 B4_10MHz

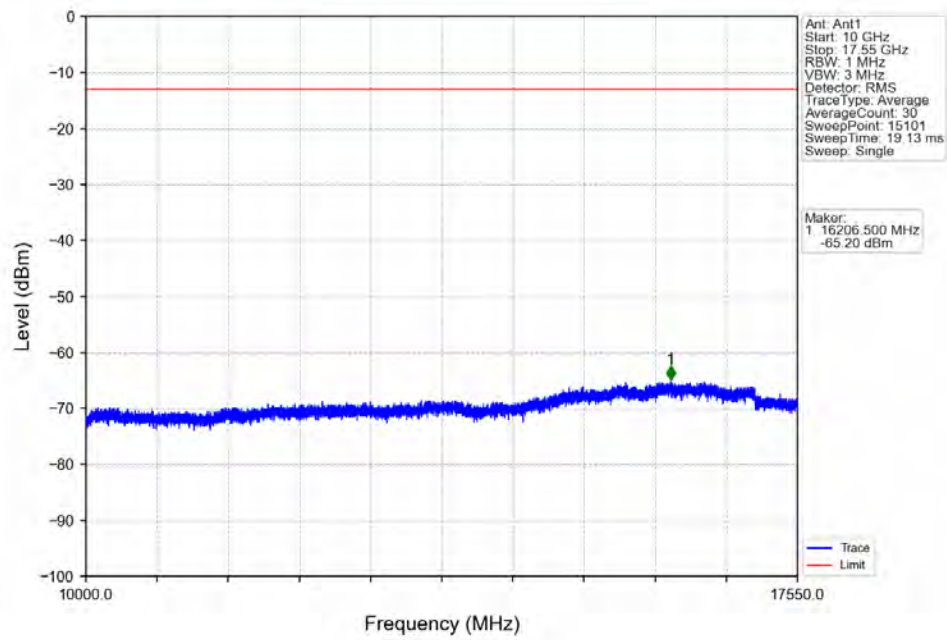
6.4.1 Test Result

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

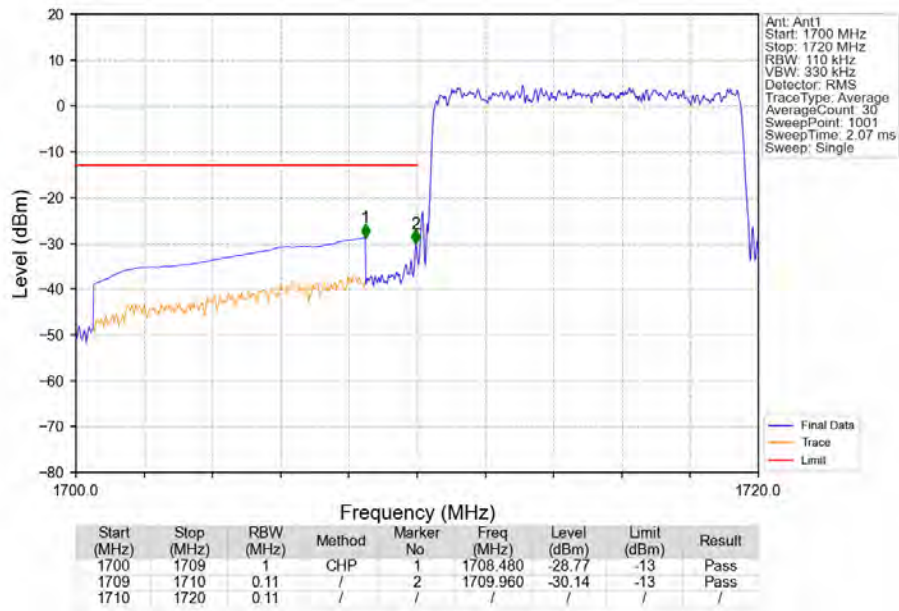
6.4.2 Test Graph



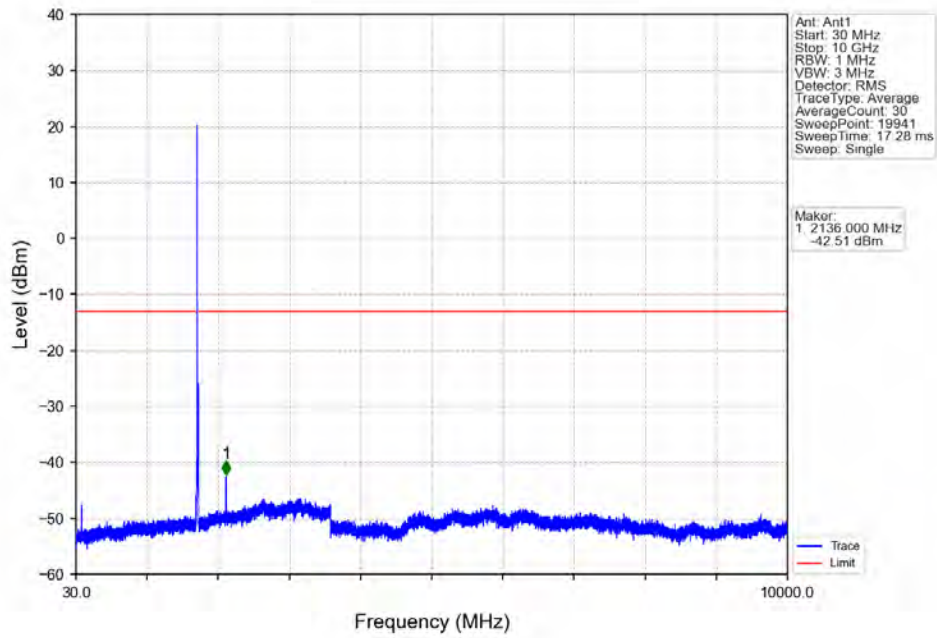
Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTNV



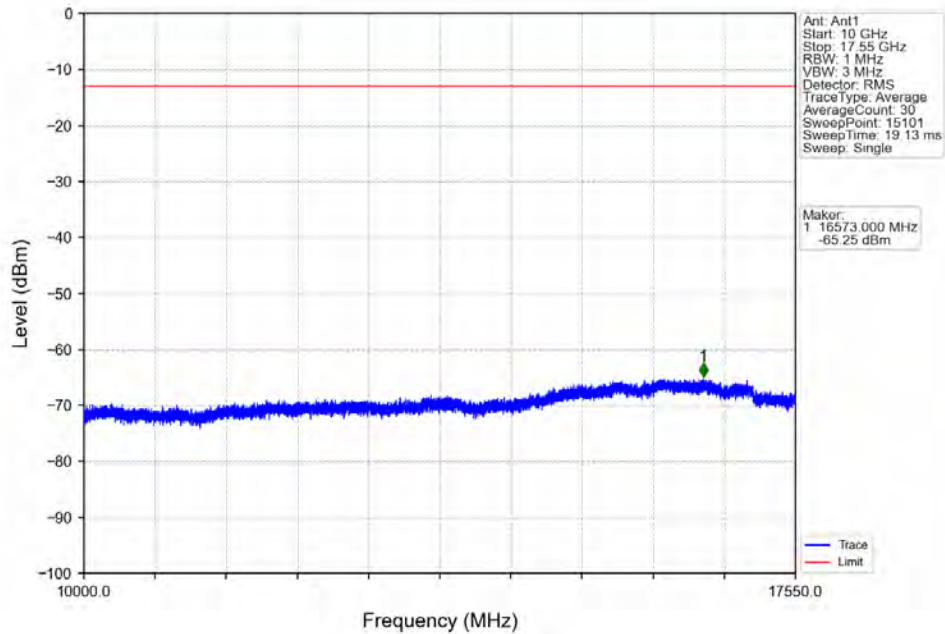
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



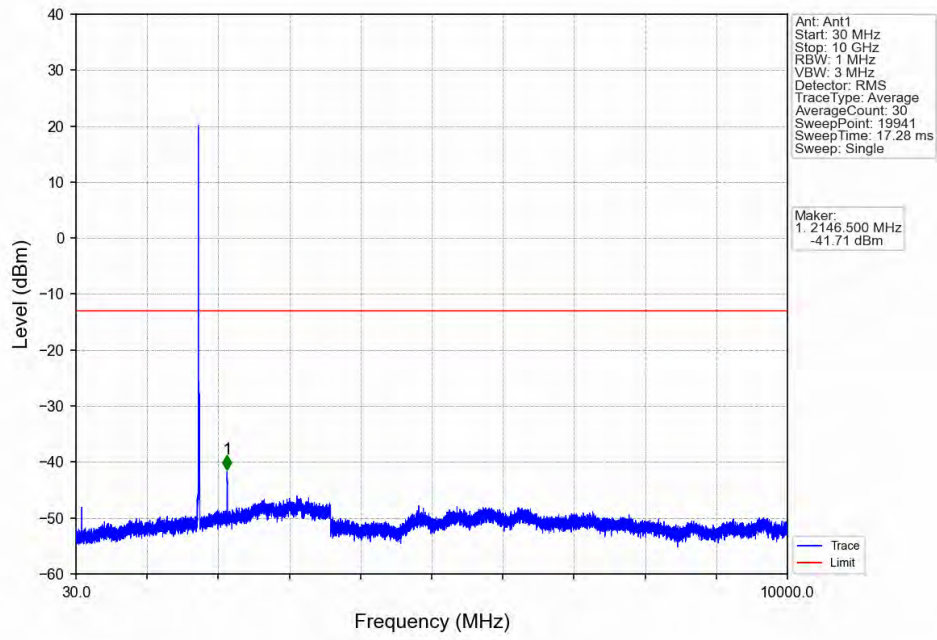
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



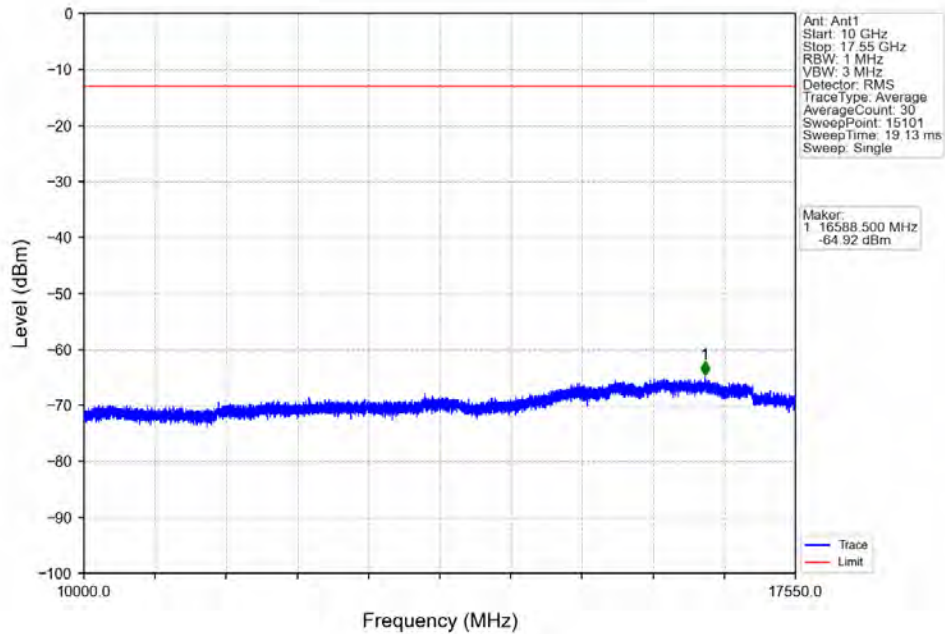
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



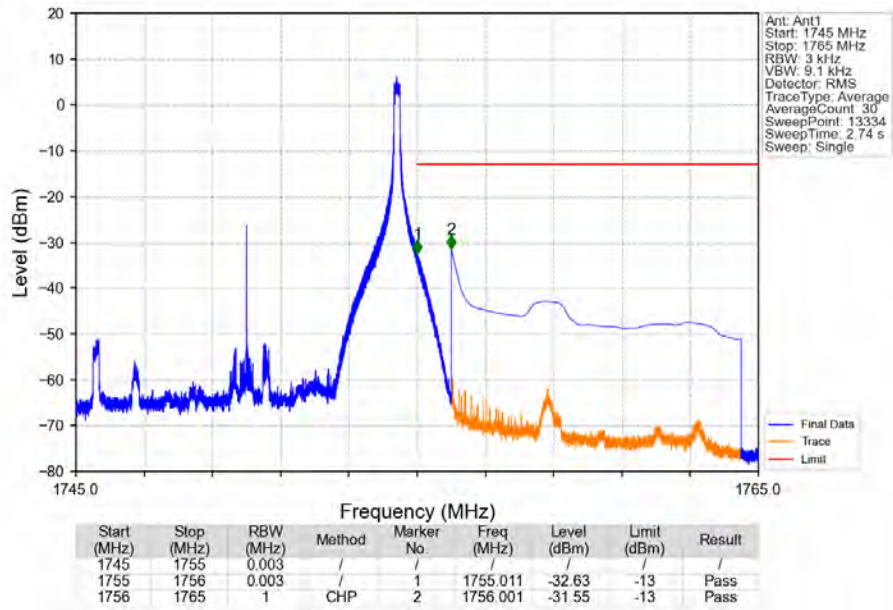
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



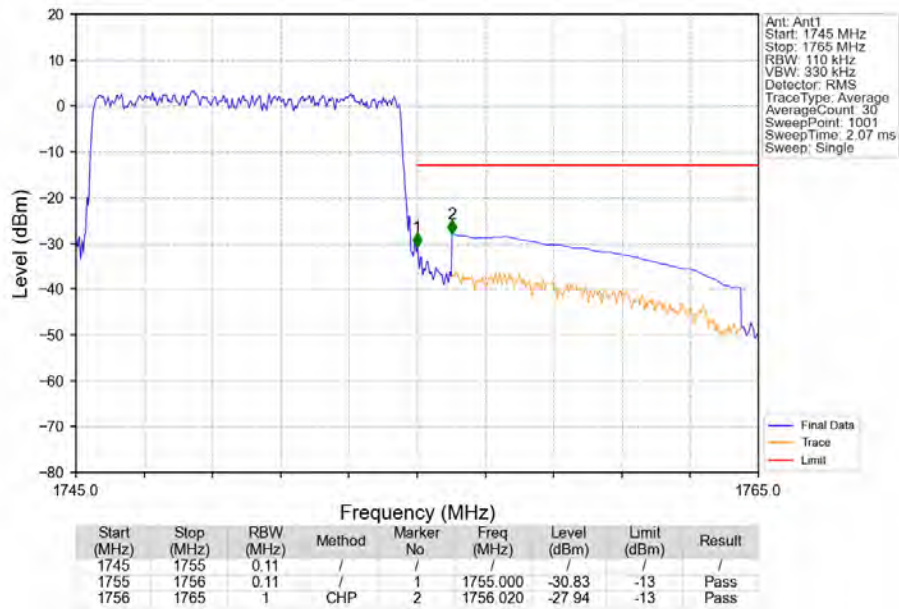
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



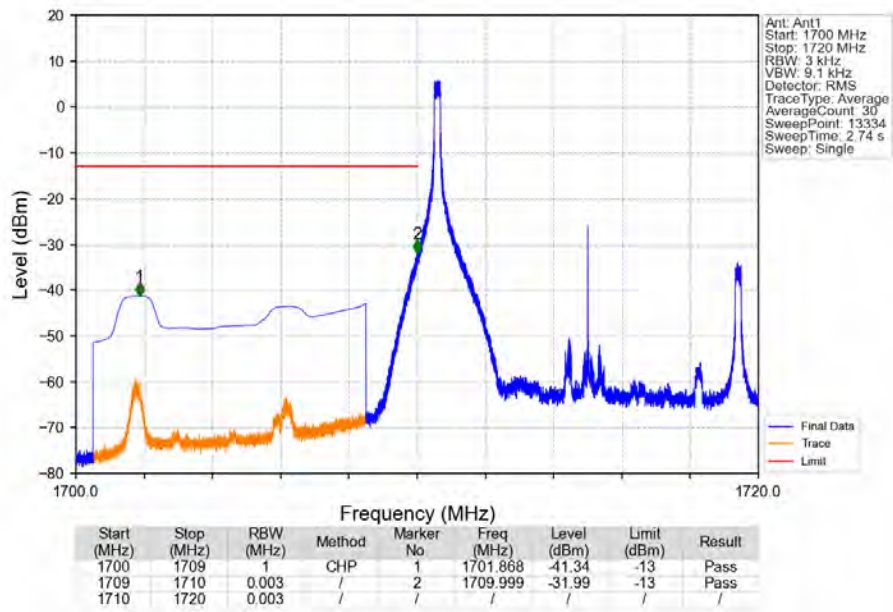
Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



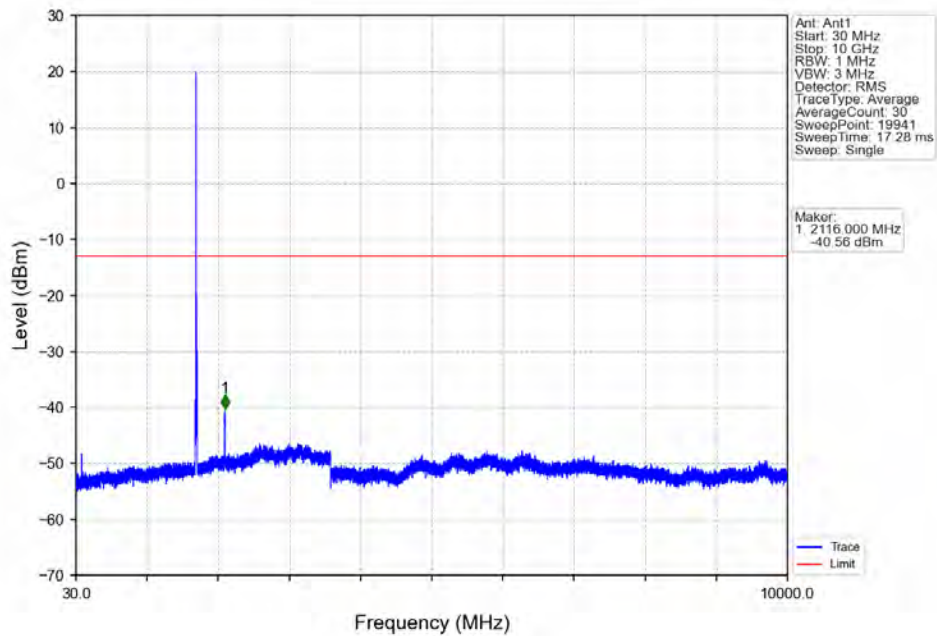
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



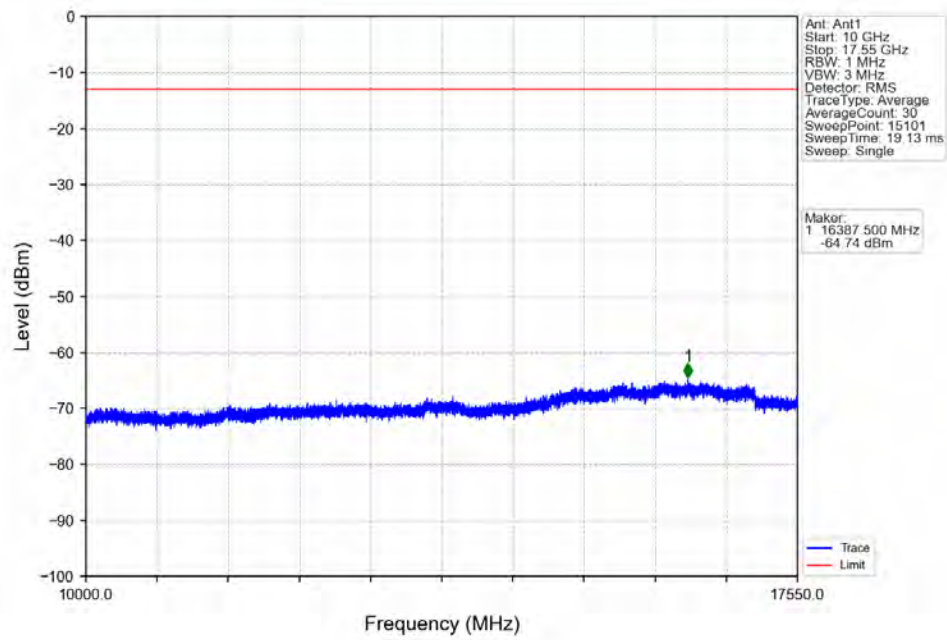
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



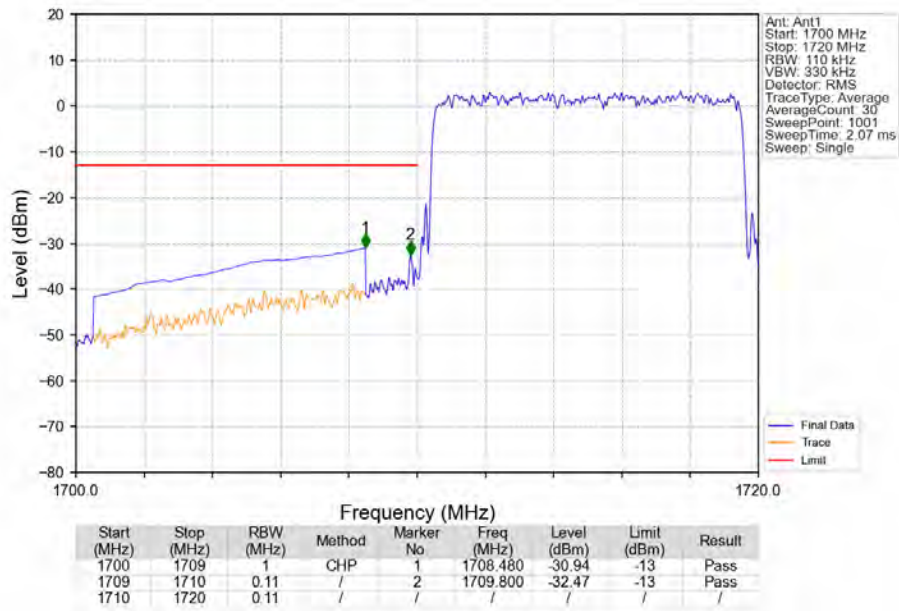
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



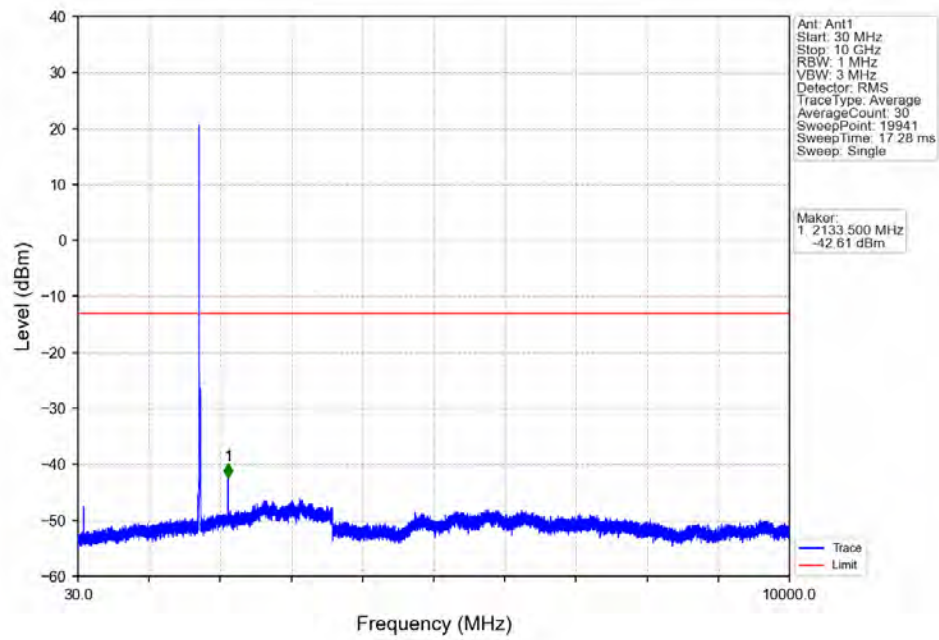
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



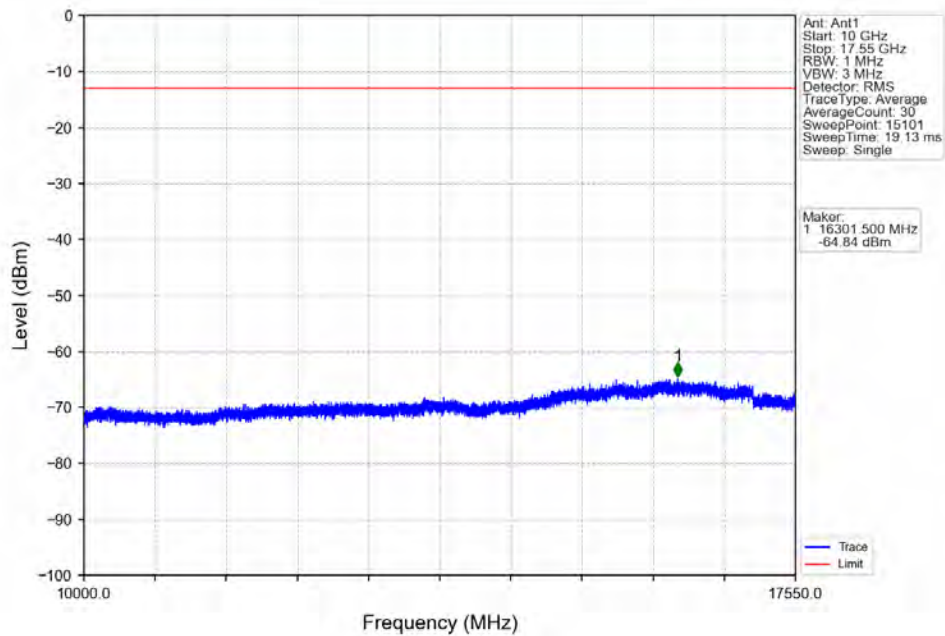
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



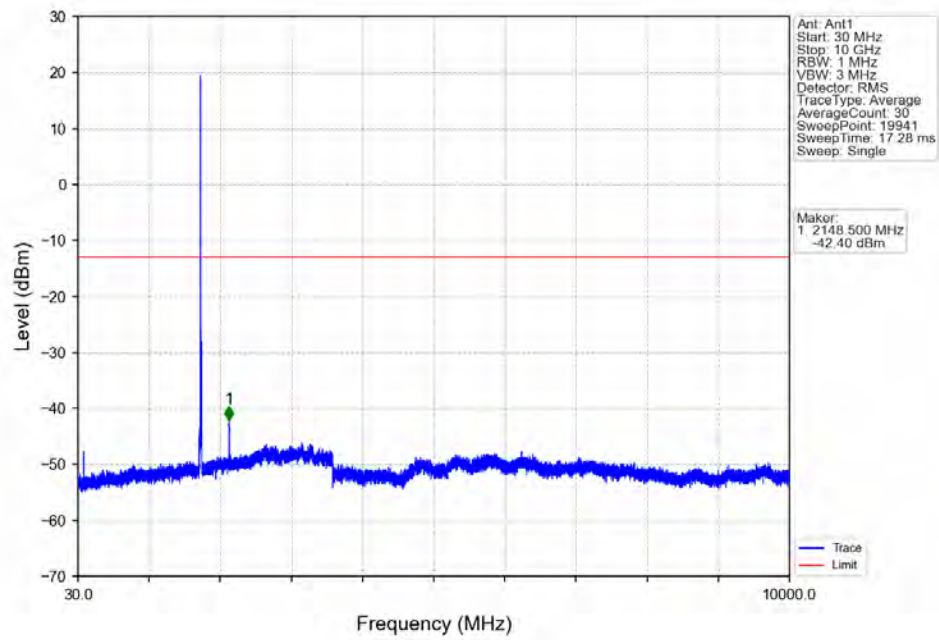
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



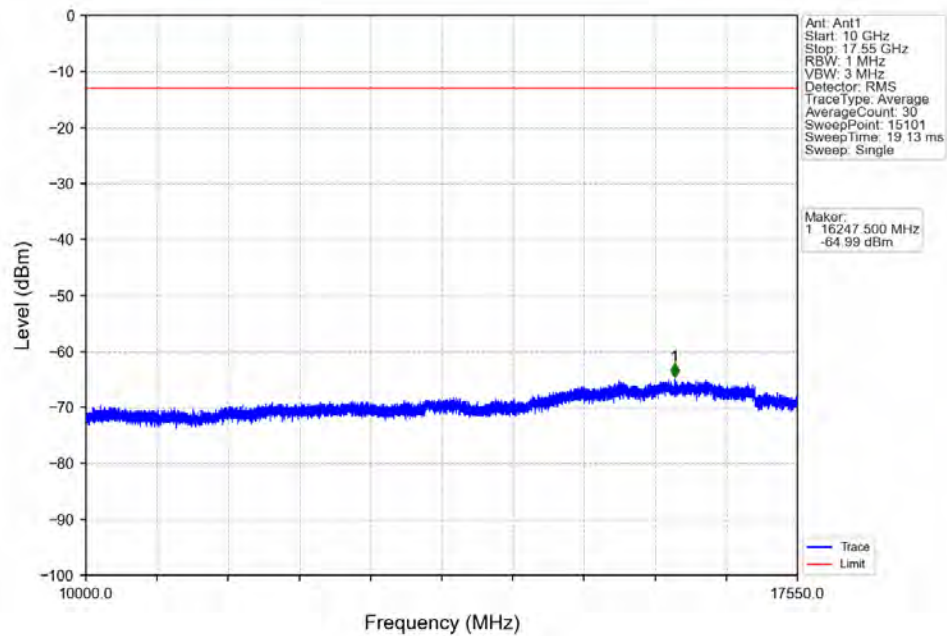
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



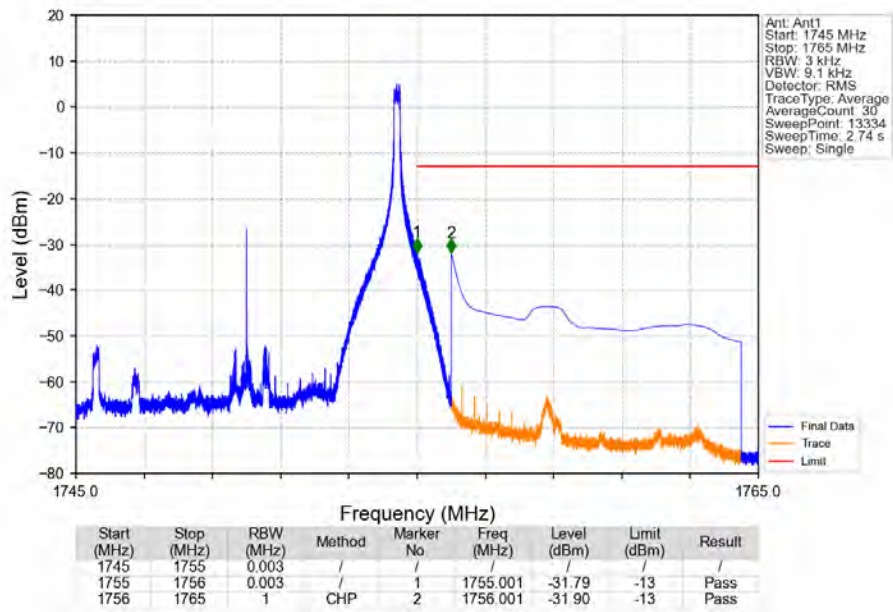
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



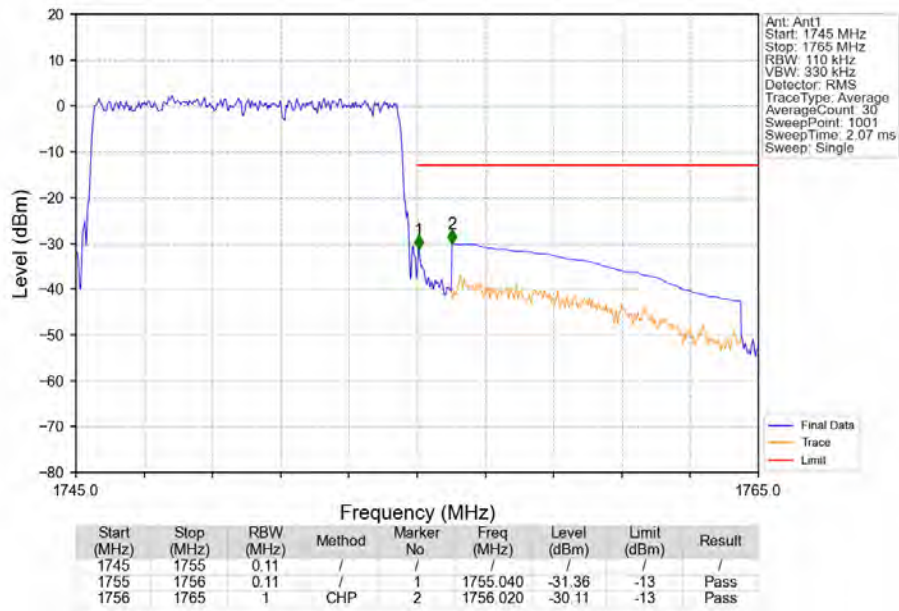
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



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



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

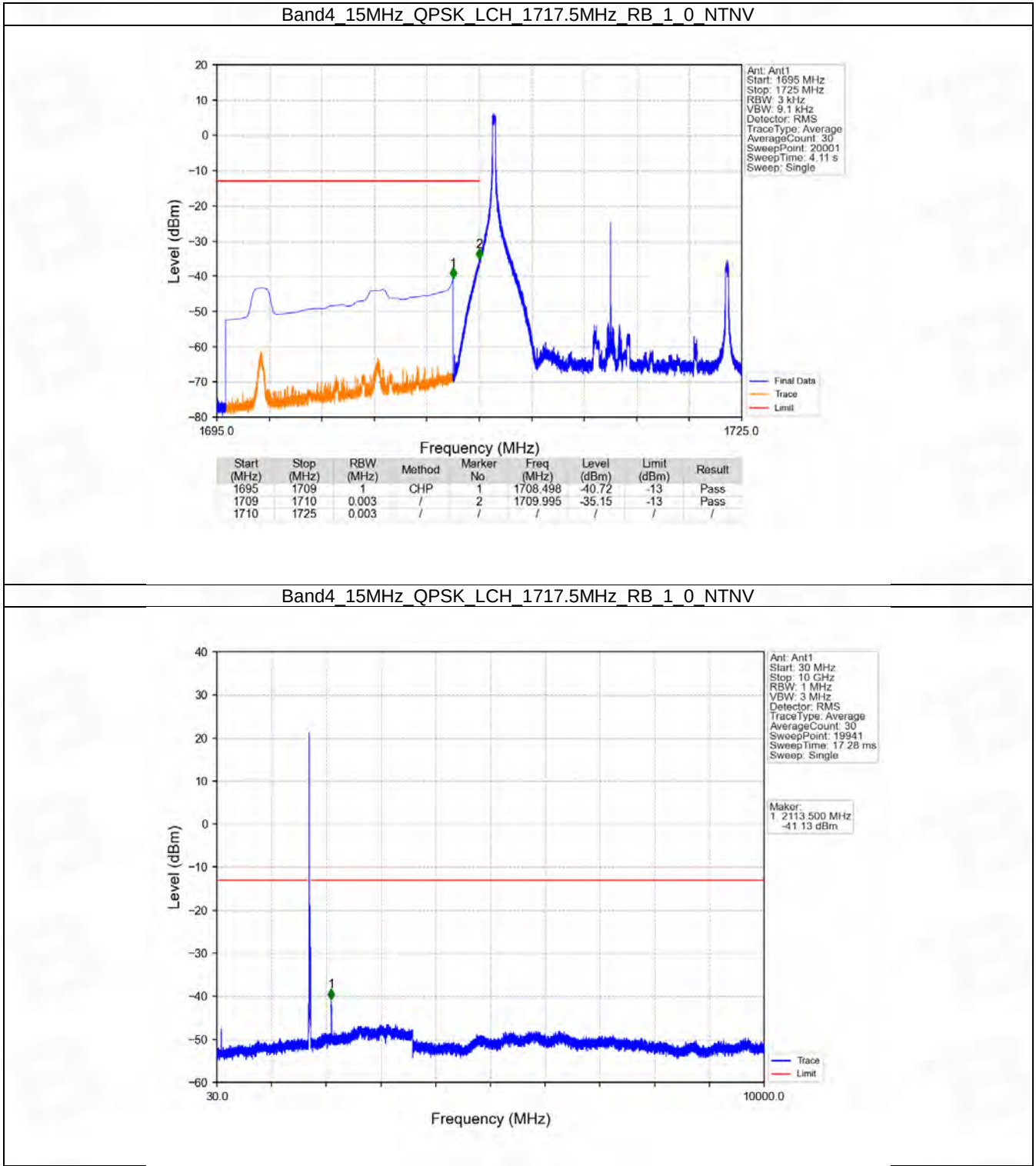


6.5 B4_15MHz

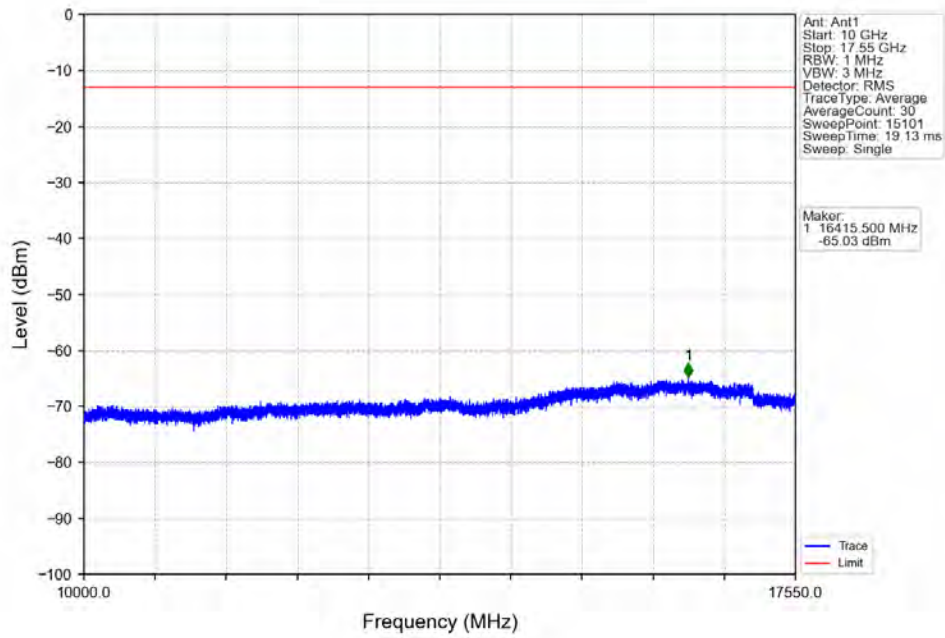
6.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / 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

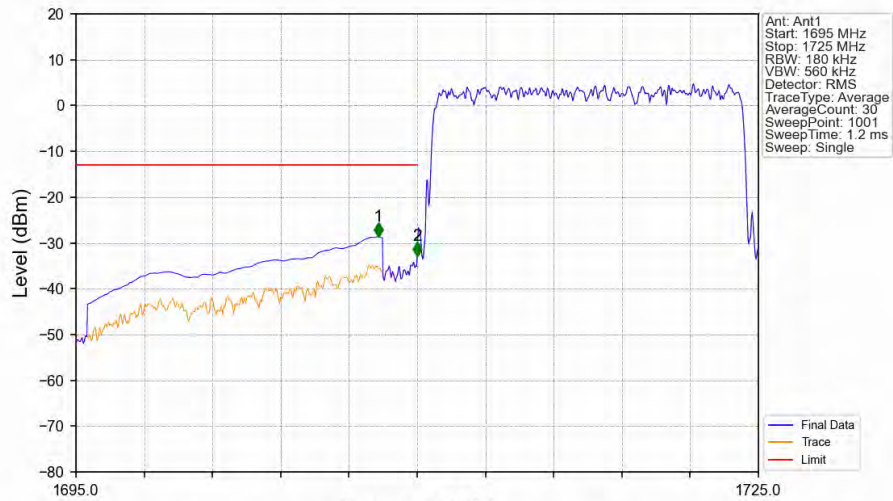
6.5.2 Test Graph



Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV

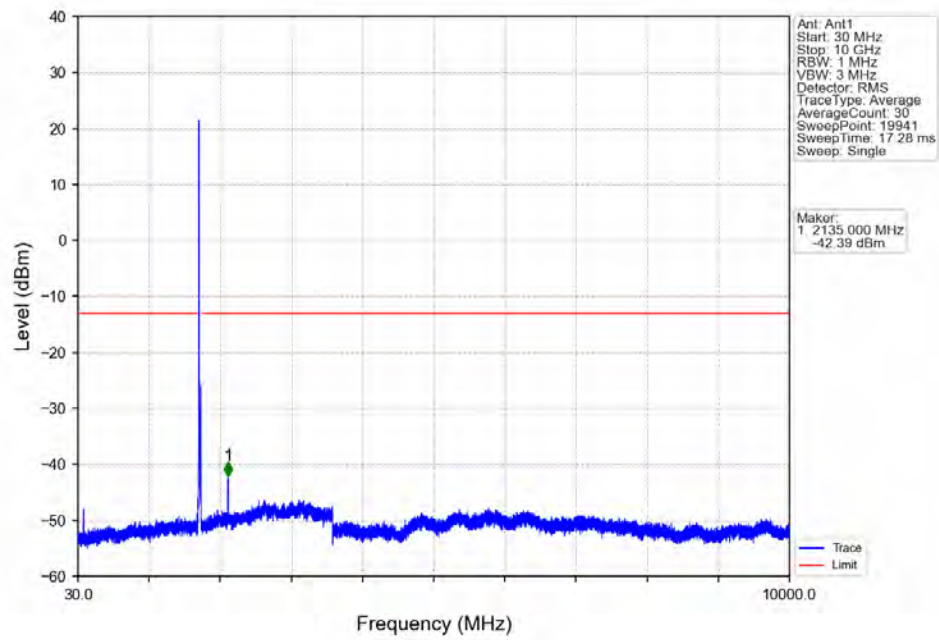


Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV

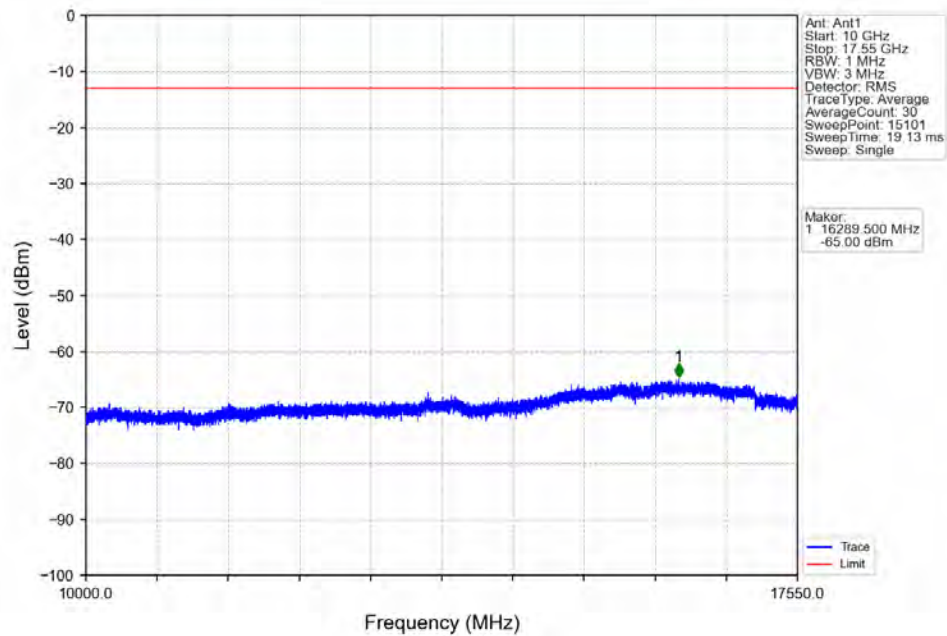


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1695	1709	1	CHP	1	1708.290	-28.61	-13	Pass
1709	1710	0.18	/	2	1710.000	-32.83	-13	Pass
1710	1725	0.18	/	/	/	/	/	/

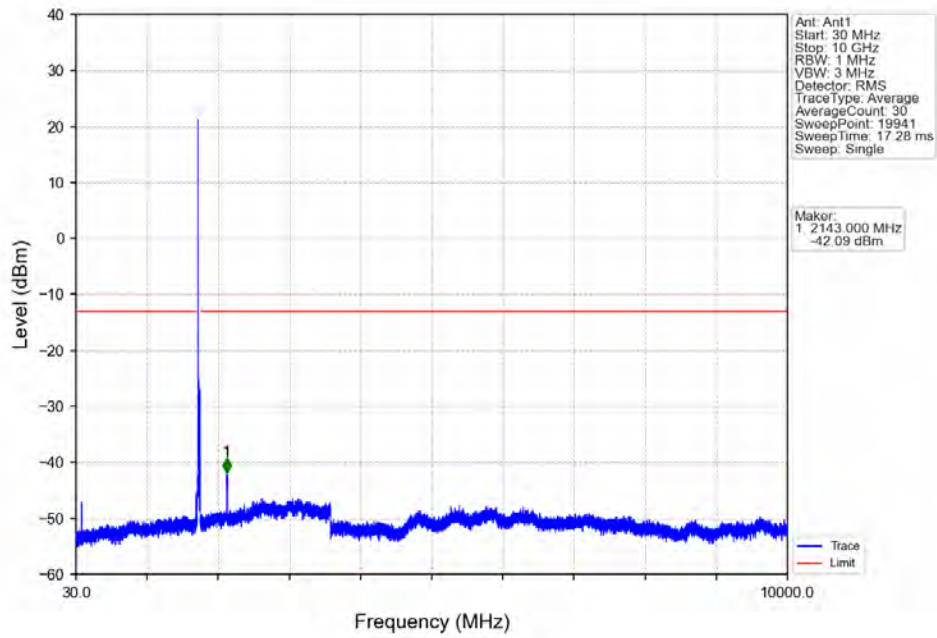
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



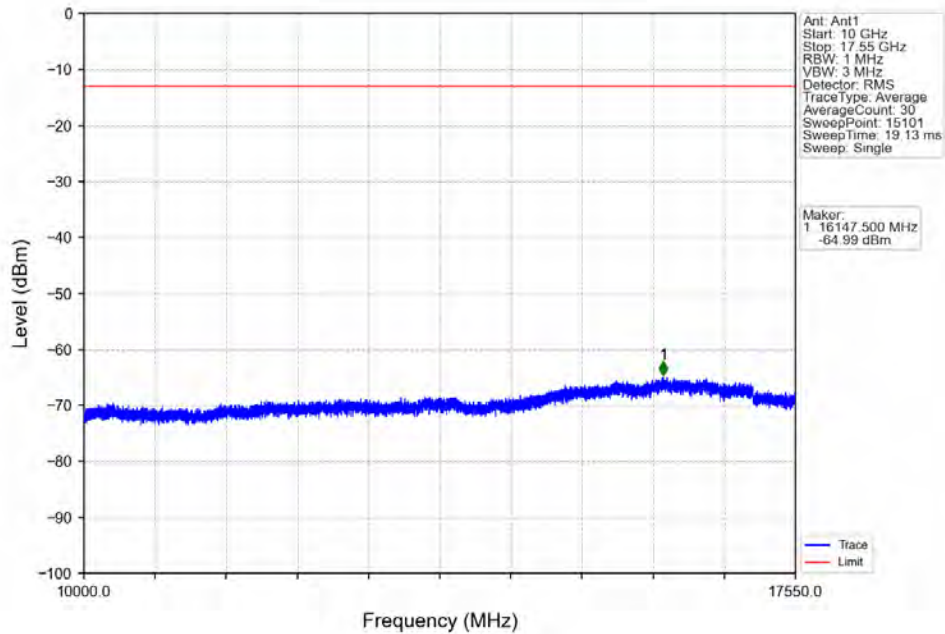
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



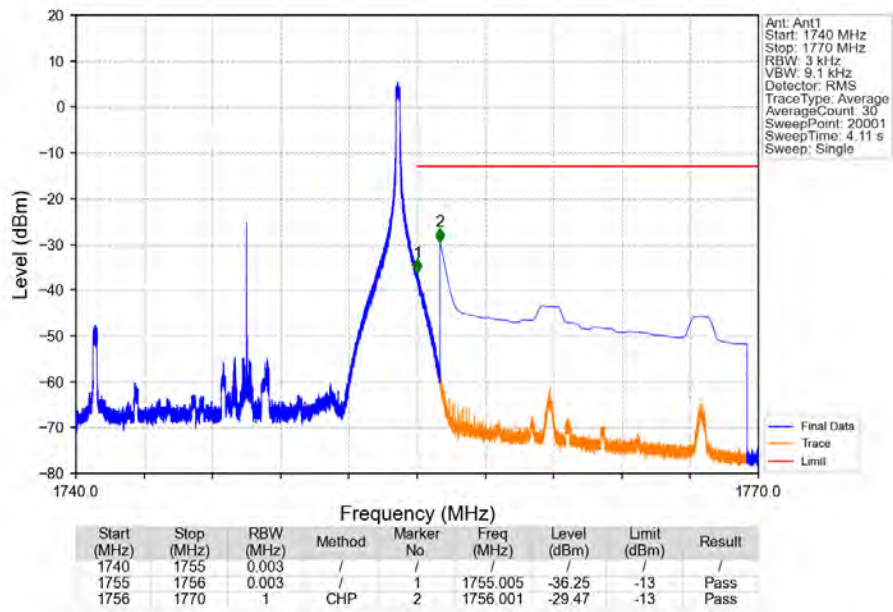
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTNV



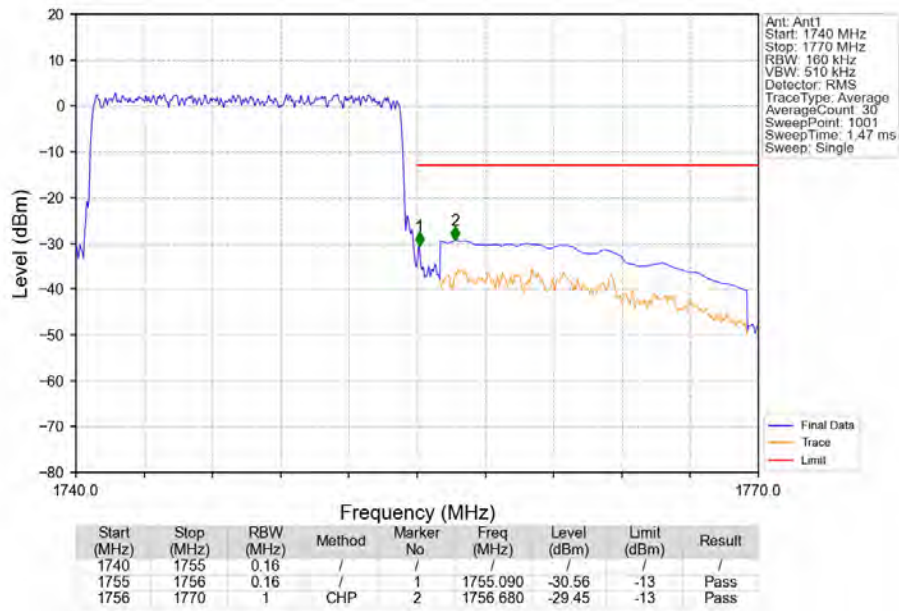
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTNV



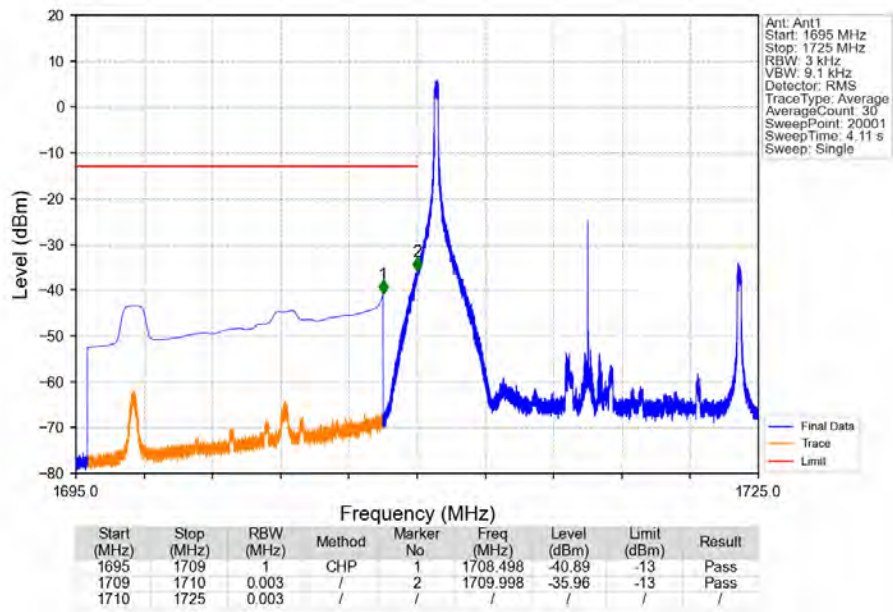
Band4_15MHz QPSK HCH 1747.5MHz RB 1 74 NTV



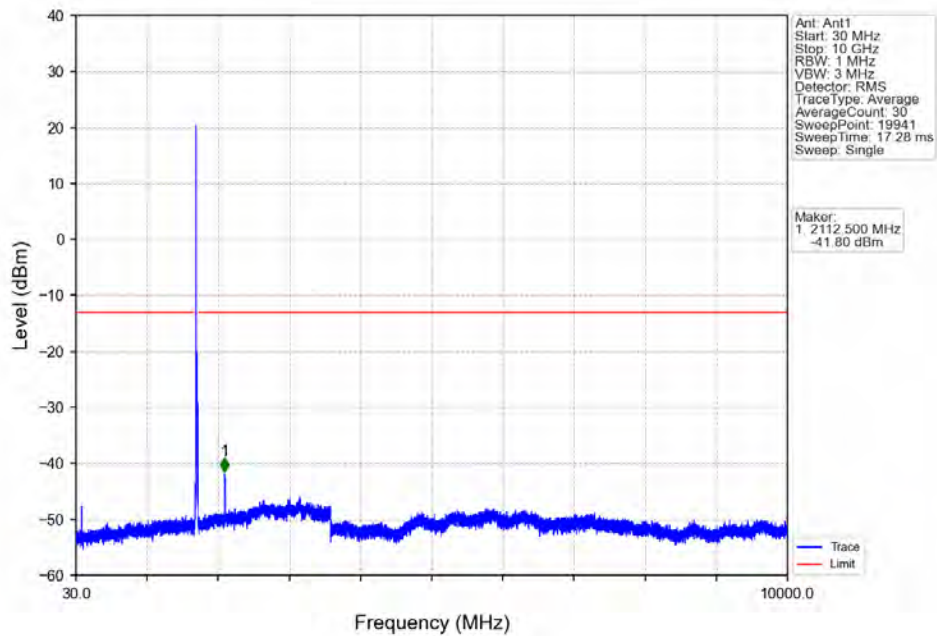
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTV



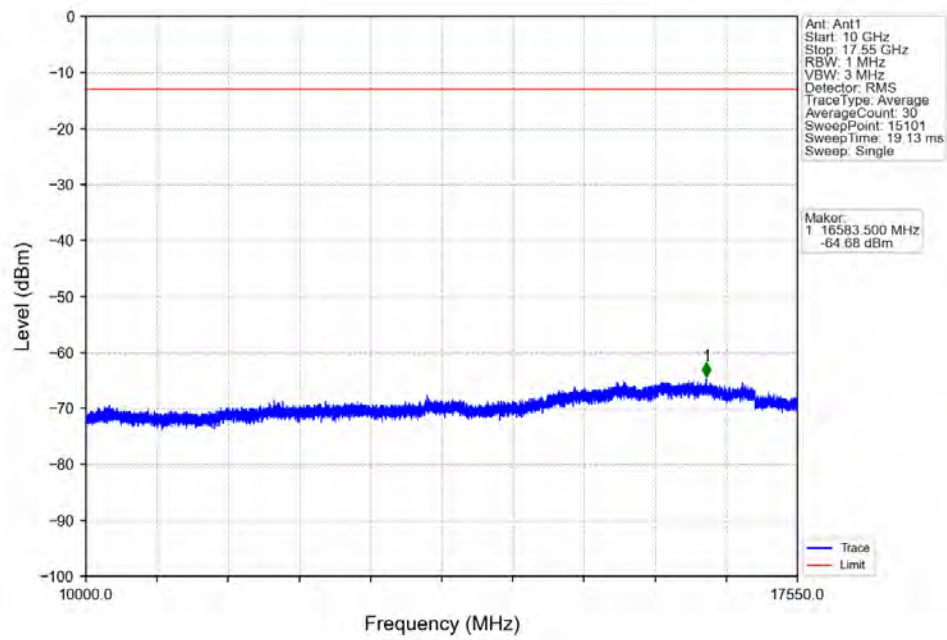
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



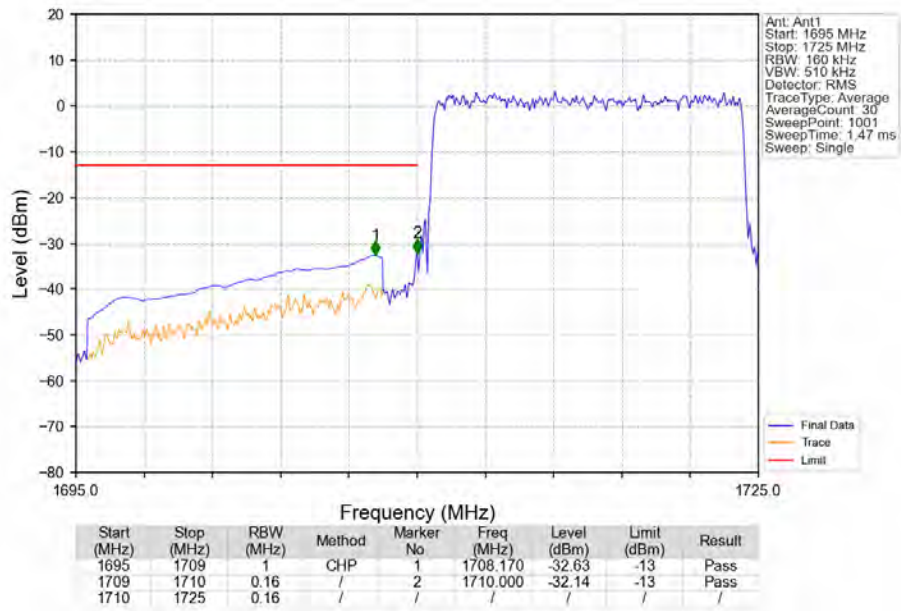
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



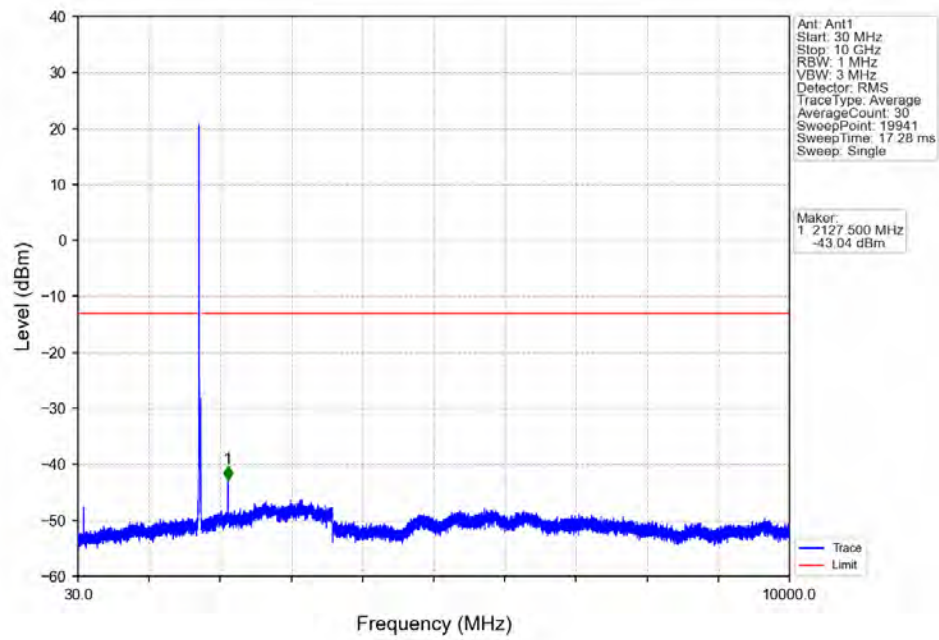
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



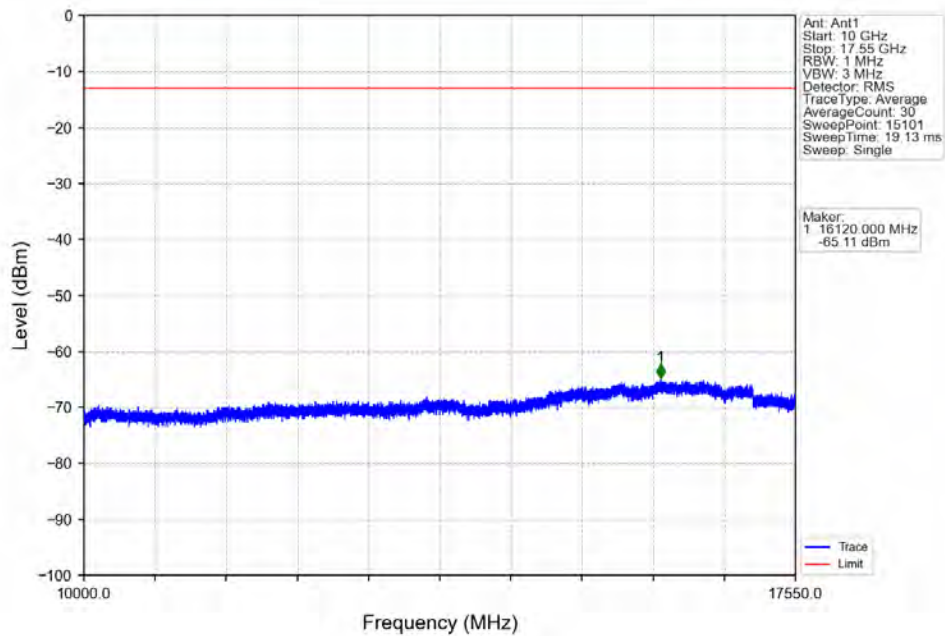
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



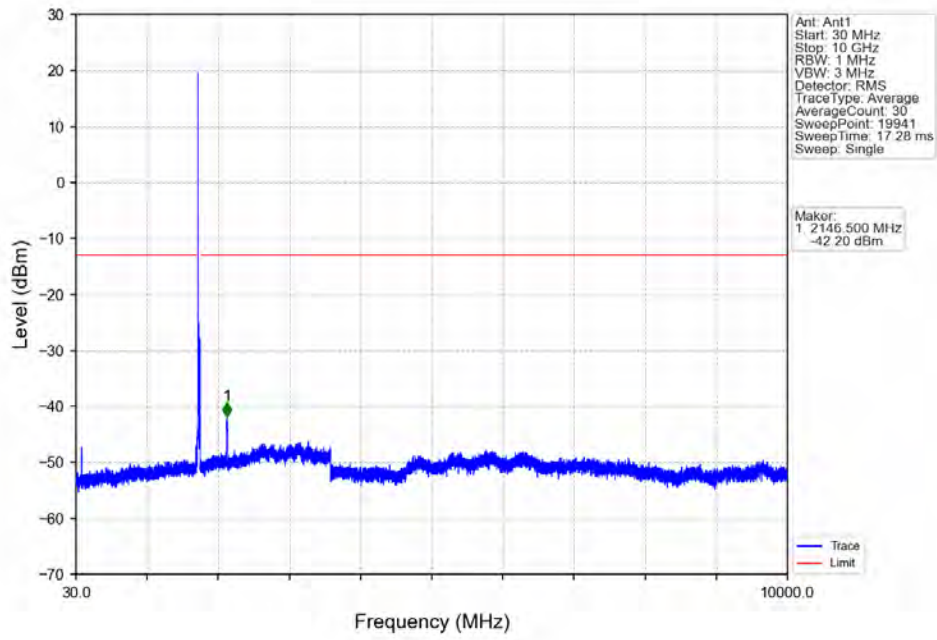
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



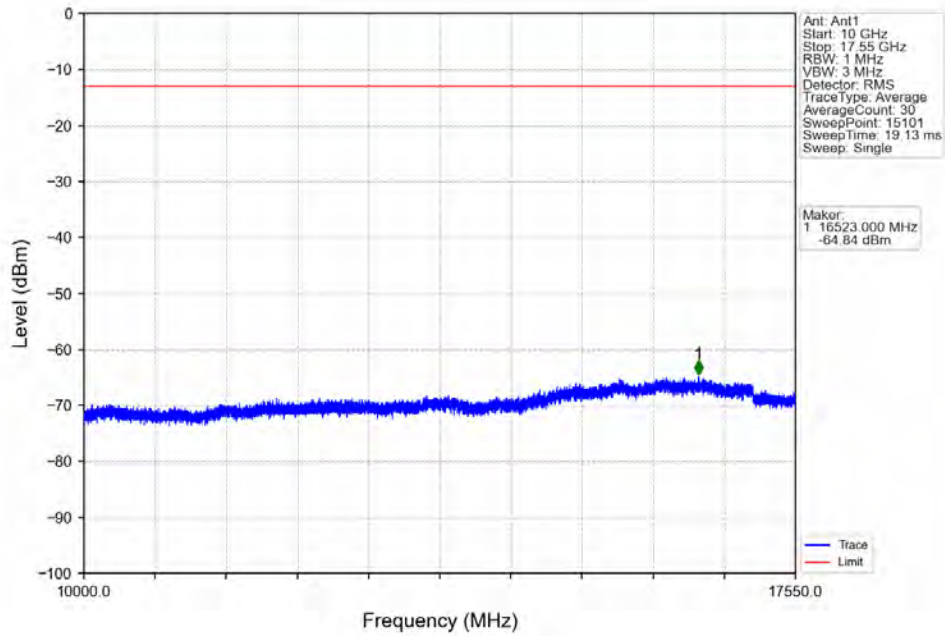
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



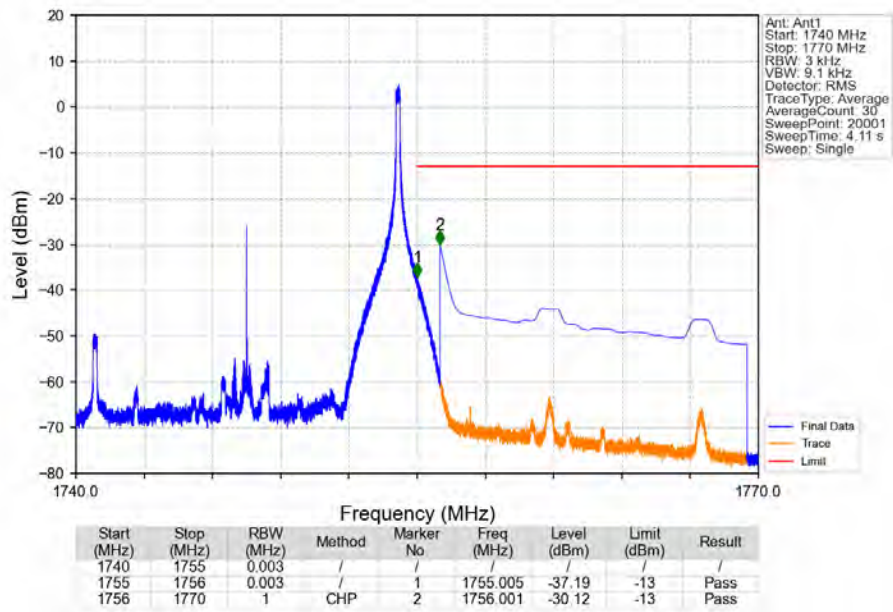
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV



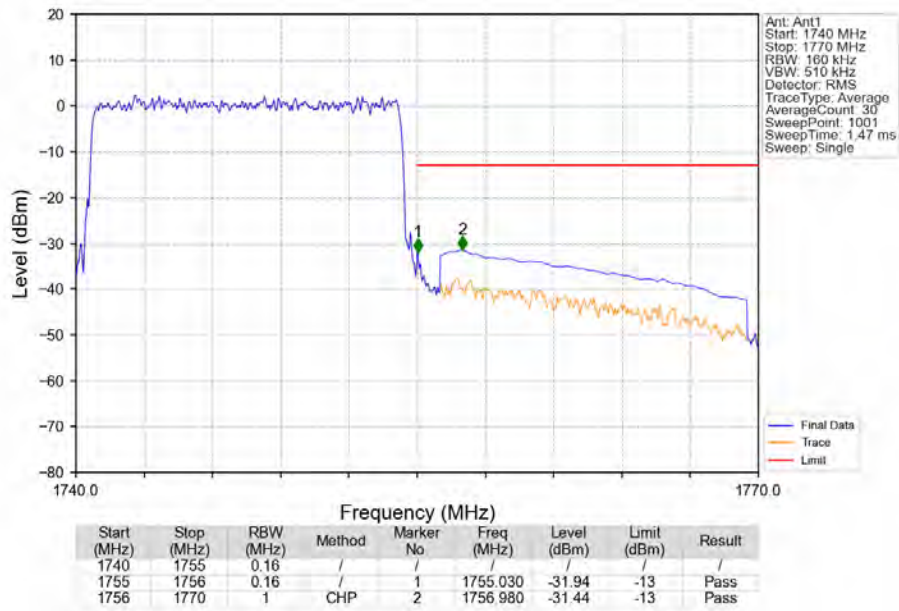
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV



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



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

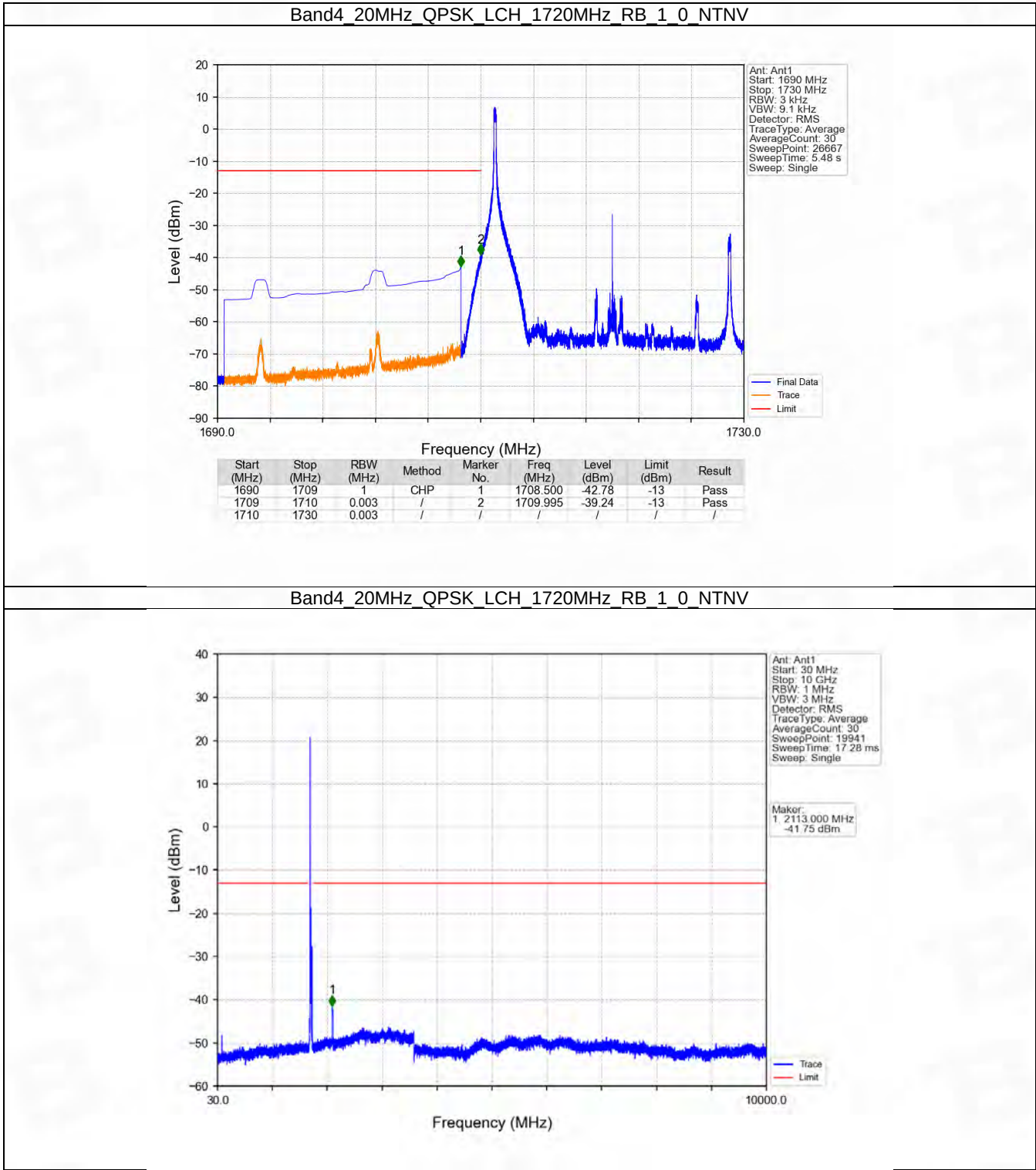


6.6 B4_20MHz

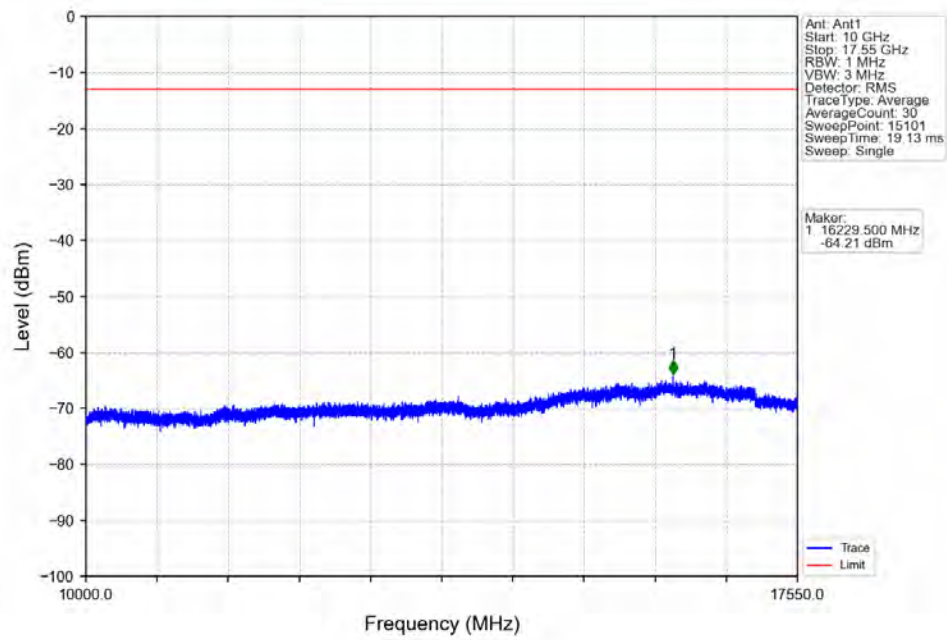
6.6.1 Test Result

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

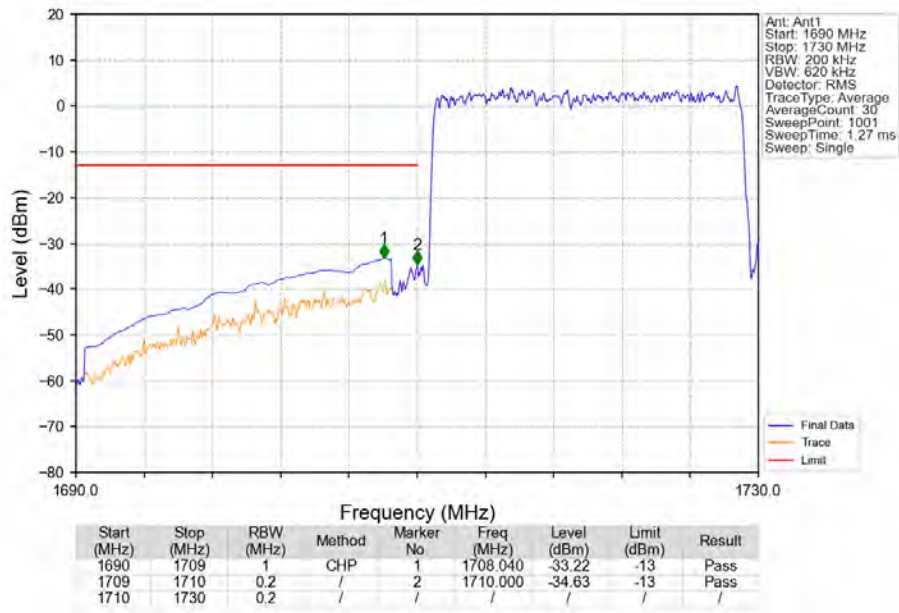
6.6.2 Test Graph



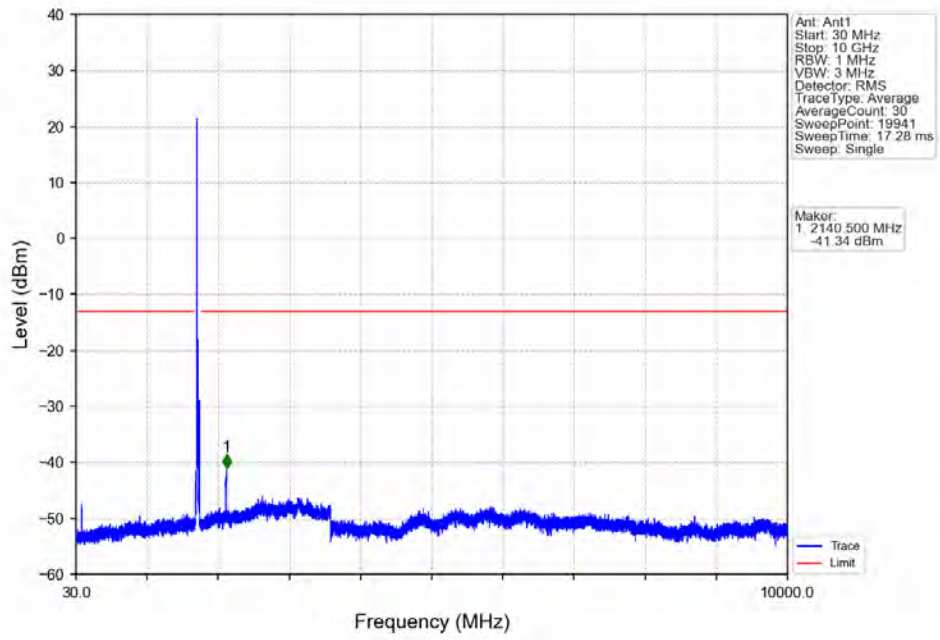
Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTN



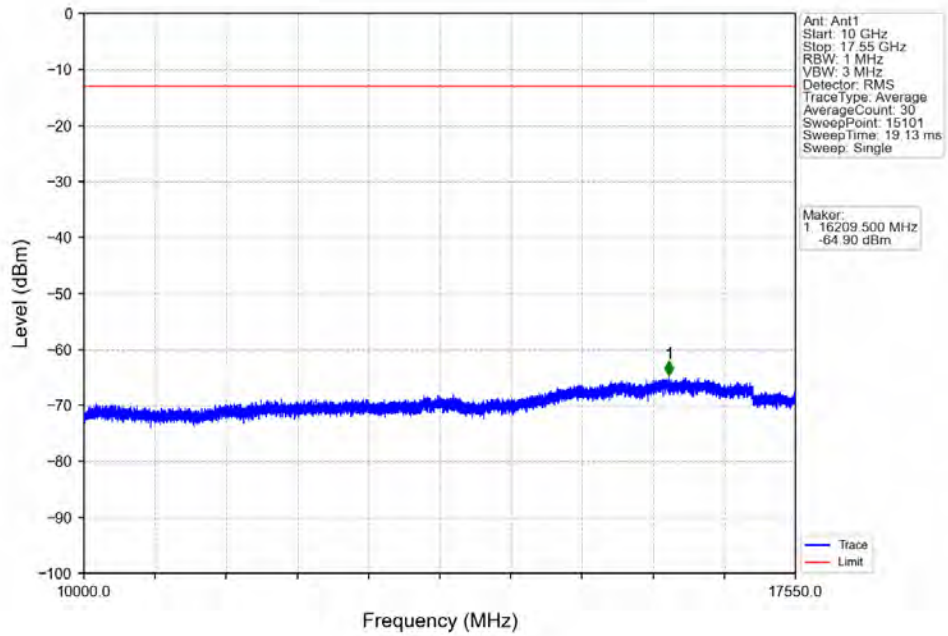
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTN



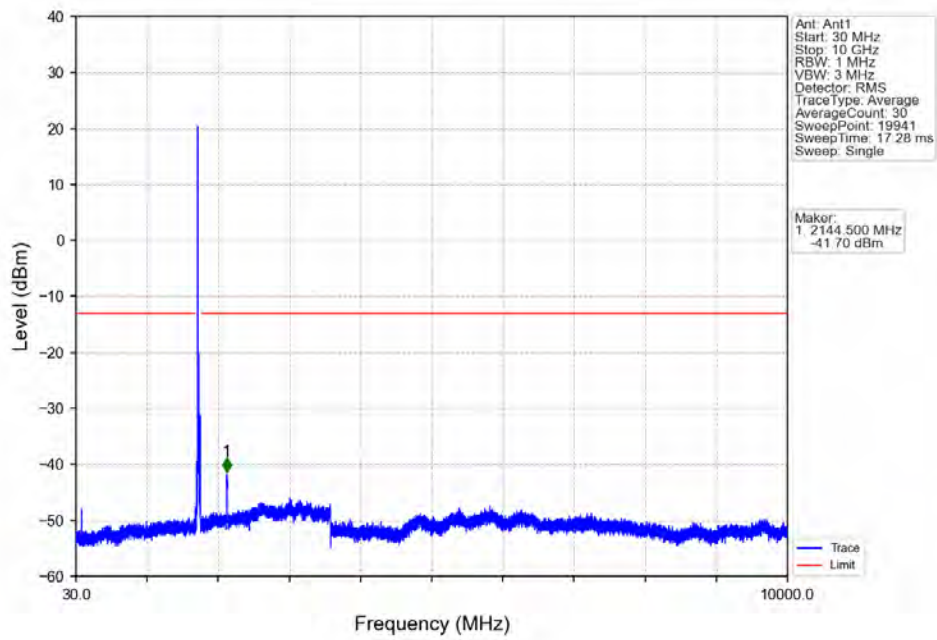
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



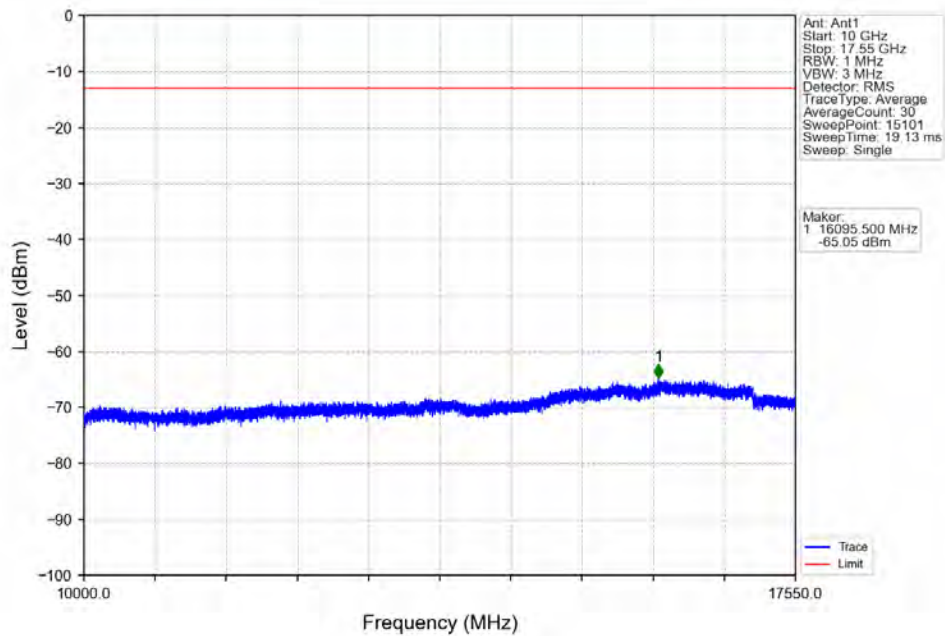
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



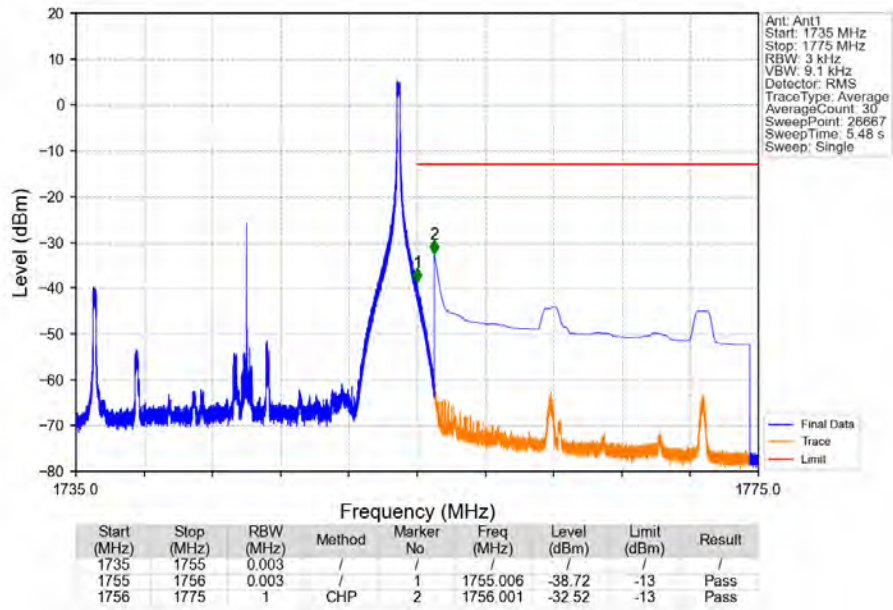
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



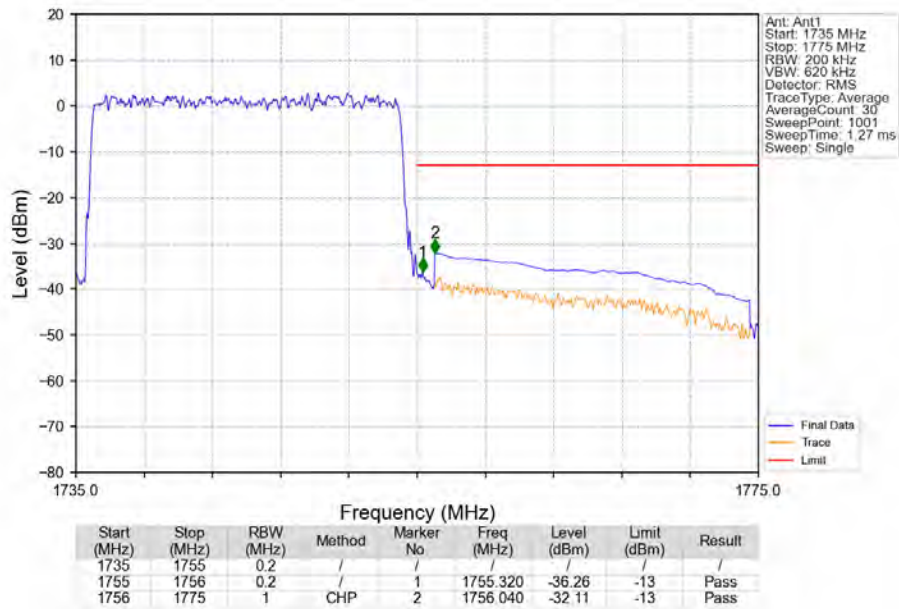
Band4_20MHz_QPSK_HCH_1745MHz_RB_1_0_NTNV



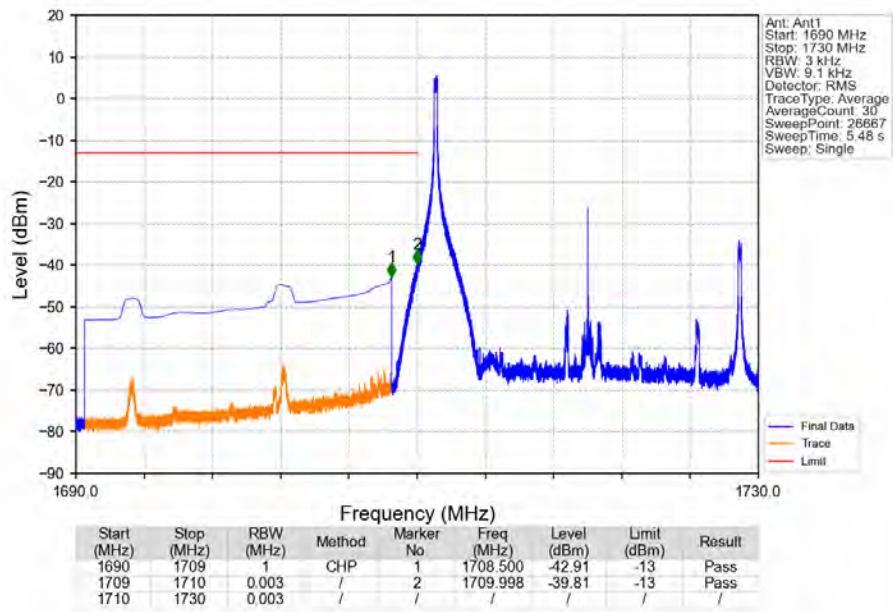
Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



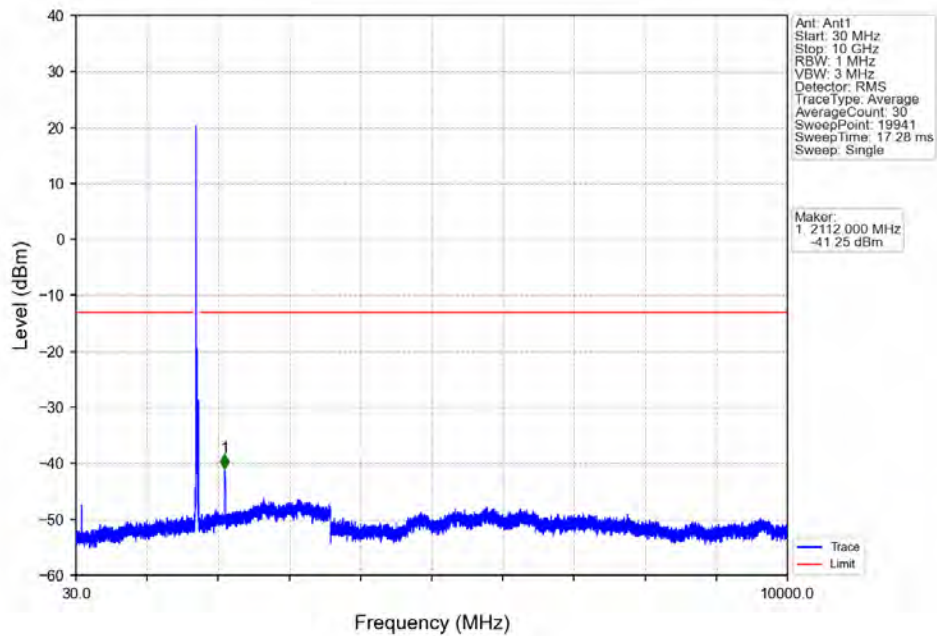
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



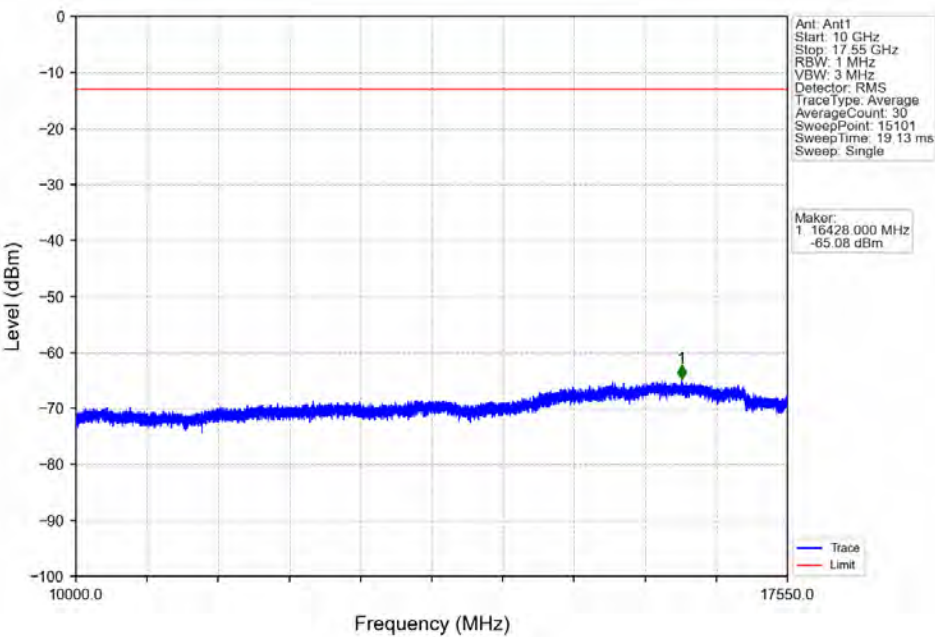
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



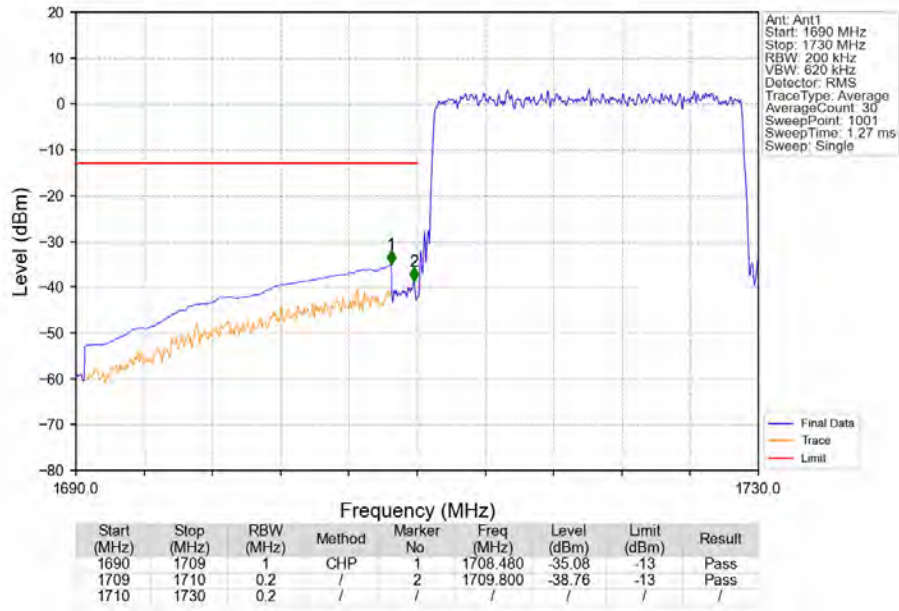
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



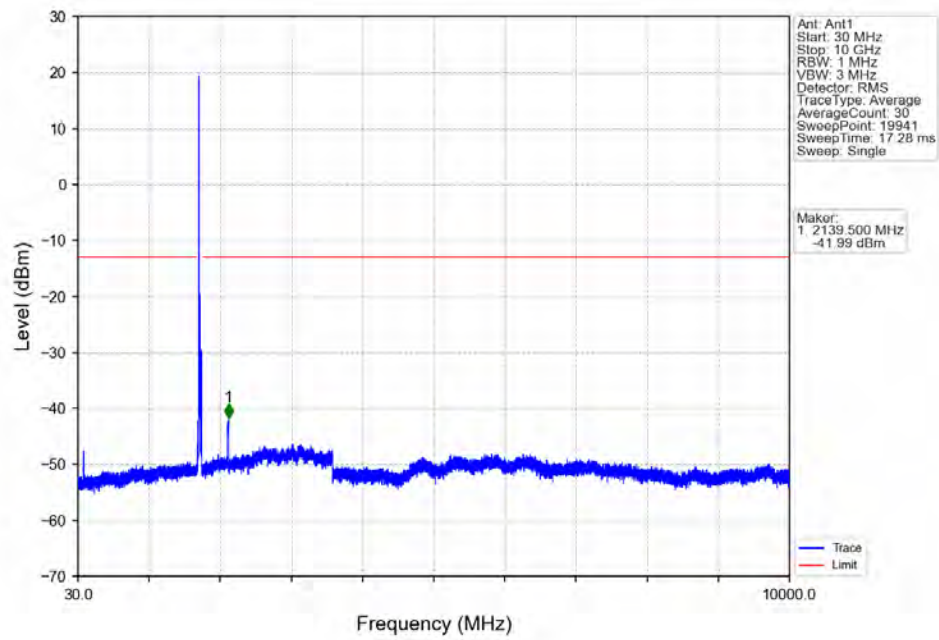
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



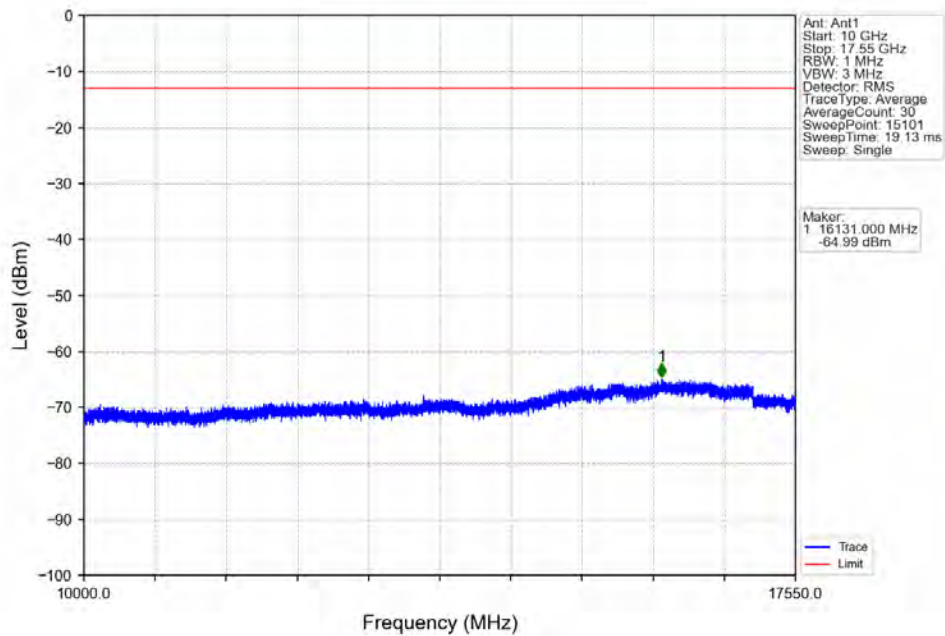
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



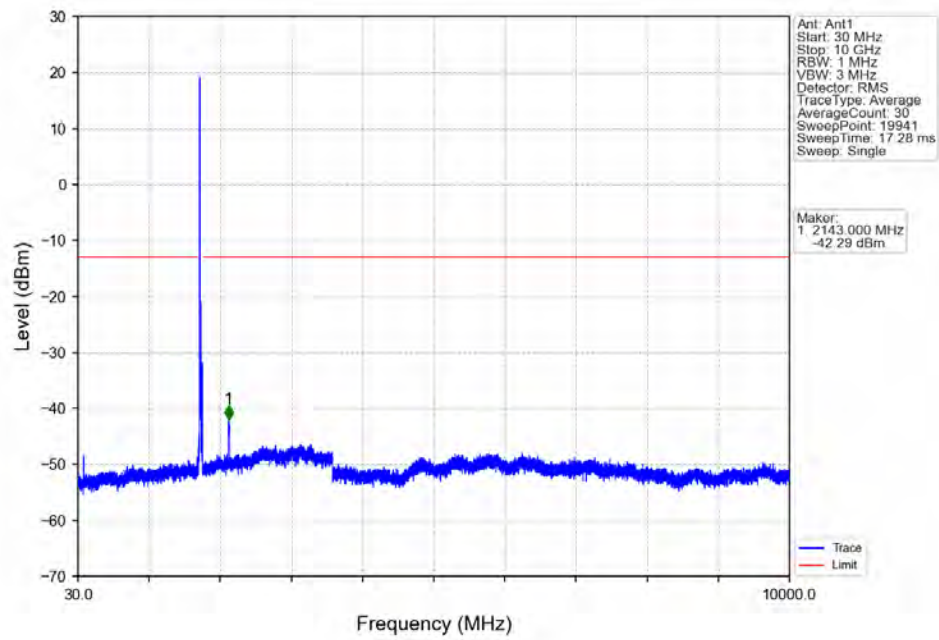
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



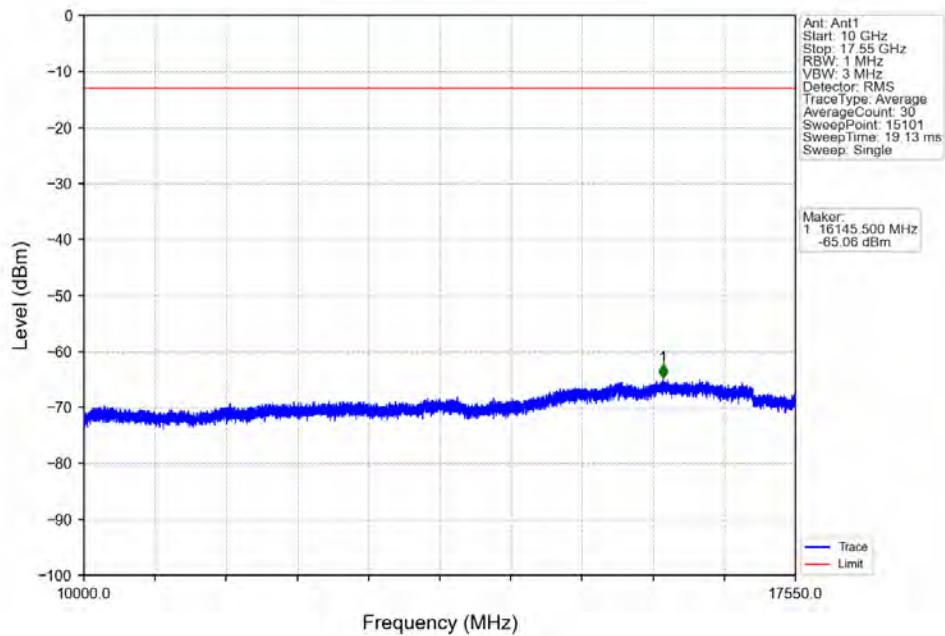
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



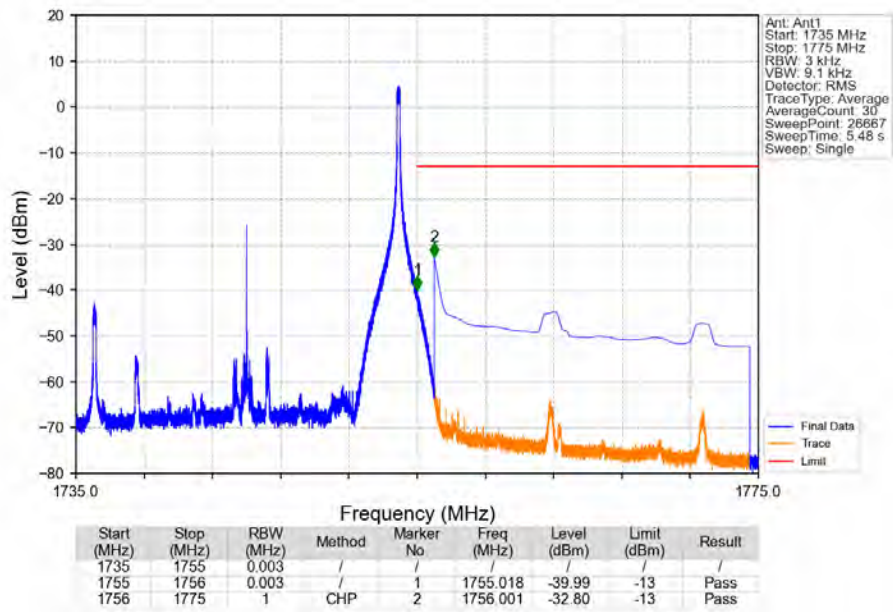
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTNV



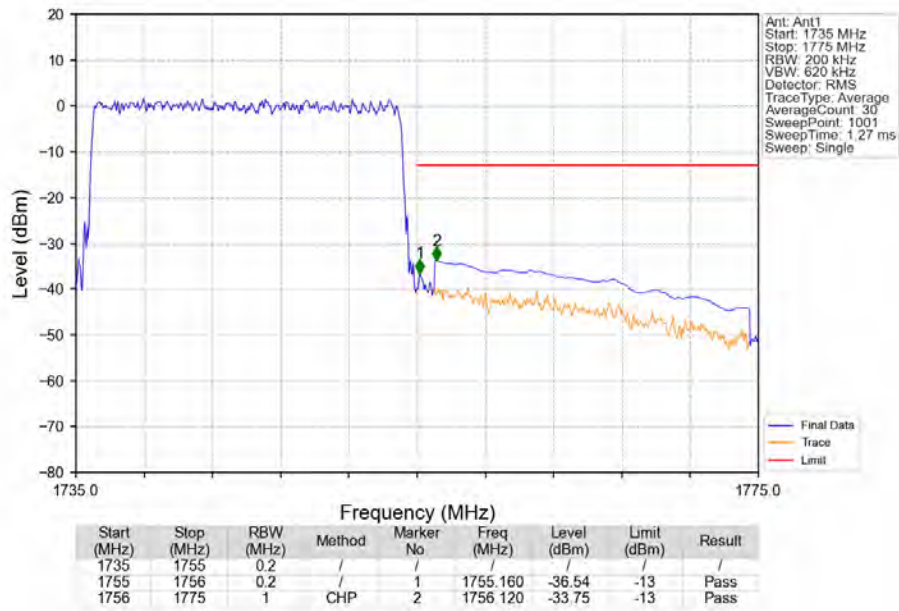
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTNV



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



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



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	0.1862	0.0118	ppm	1M12G7D	27L	22.70
4	1.4	1710.7	1754.3	0.1483	0.0077	ppm	1M11W7D	27L	21.71
4	3	1711.5	1753.5	0.1914	0.0153	ppm	2M73G7D	27L	22.82
4	3	1711.5	1753.5	0.1343	0.0076	ppm	2M73W7D	27L	21.28
4	5	1712.5	1752.5	0.1637	0.0077	ppm	4M58G7D	27L	22.14
4	5	1712.5	1752.5	0.1330	0.0099	ppm	4M59W7D	27L	21.24
4	10	1715	1750	0.1656	0.0087	ppm	9M05G7D	27L	22.19
4	10	1715	1750	0.1318	0.0088	ppm	9M08W7D	27L	21.20
4	15	1717.5	1747.5	0.1614	0.0062	ppm	13M6G7D	27L	22.08
4	15	1717.5	1747.5	0.1374	0.0066	ppm	13M6W7D	27L	21.38
4	20	1720	1745	0.1614	0.0072	ppm	18M1G7D	27L	22.08
4	20	1720	1745	0.1466	0.0079	ppm	18M2W7D	27L	21.66

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	0.1954	0.0118	ppm	1M12G7D	27L	22.91
4	1.4	1710.7	1754.3	0.1556	0.0077	ppm	1M11W7D	27L	21.92
4	3	1711.5	1753.5	0.2009	0.0153	ppm	2M73G7D	27L	23.03
4	3	1711.5	1753.5	0.1409	0.0076	ppm	2M73W7D	27L	21.49
4	5	1712.5	1752.5	0.1718	0.0077	ppm	4M58G7D	27L	22.35
4	5	1712.5	1752.5	0.1396	0.0099	ppm	4M59W7D	27L	21.45
4	10	1715	1750	0.1738	0.0087	ppm	9M05G7D	27L	22.40
4	10	1715	1750	0.1384	0.0088	ppm	9M08W7D	27L	21.41
4	15	1717.5	1747.5	0.1694	0.0062	ppm	13M6G7D	27L	22.29
4	15	1717.5	1747.5	0.1442	0.0066	ppm	13M6W7D	27L	21.59
4	20	1720	1745	0.1694	0.0072	ppm	18M1G7D	27L	22.29
4	20	1720	1745	0.1538	0.0079	ppm	18M2W7D	27L	21.87