

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	22.25	0.53	22.78	<=30	Pass
			2	22.40	0.53	22.93	<=30	Pass
			5	22.46	0.53	22.99	<=30	Pass
		3	0	22.30	0.53	22.83	<=30	Pass
			2	22.39	0.53	22.92	<=30	Pass
			3	22.39	0.53	22.92	<=30	Pass
		6	0	21.37	0.53	21.90	<=30	Pass
	1732.5	1	0	22.38	0.53	22.91	<=30	Pass
			2	22.39	0.53	22.92	<=30	Pass
			5	22.42	0.53	22.95	<=30	Pass
		3	0	22.41	0.53	22.94	<=30	Pass
			2	22.45	0.53	22.98	<=30	Pass
			3	22.38	0.53	22.91	<=30	Pass
		6	0	21.30	0.53	21.83	<=30	Pass
	1754.3	1	0	22.42	0.53	22.95	<=30	Pass
			2	22.32	0.53	22.85	<=30	Pass
			5	22.39	0.53	22.92	<=30	Pass
		3	0	22.25	0.53	22.78	<=30	Pass
			2	22.29	0.53	22.82	<=30	Pass
			3	22.22	0.53	22.75	<=30	Pass
		6	0	21.28	0.53	21.81	<=30	Pass
16QAM	1710.7	1	0	21.44	0.53	21.97	<=30	Pass
			2	21.45	0.53	21.98	<=30	Pass
			5	21.45	0.53	21.98	<=30	Pass
		3	0	21.50	0.53	22.03	<=30	Pass
			2	21.51	0.53	22.04	<=30	Pass
			3	21.45	0.53	21.98	<=30	Pass
		6	0	20.58	0.53	21.11	<=30	Pass
	1732.5	1	0	21.66	0.53	22.19	<=30	Pass
			2	21.77	0.53	22.30	<=30	Pass
			5	21.75	0.53	22.28	<=30	Pass
		3	0	21.22	0.53	21.75	<=30	Pass
			2	21.26	0.53	21.79	<=30	Pass
			3	21.20	0.53	21.73	<=30	Pass
		6	0	20.39	0.53	20.92	<=30	Pass
	1754.3	1	0	21.13	0.53	21.66	<=30	Pass
			2	21.11	0.53	21.64	<=30	Pass
			5	21.21	0.53	21.74	<=30	Pass
		3	0	20.98	0.53	21.51	<=30	Pass
			2	21.06	0.53	21.59	<=30	Pass
			3	20.98	0.53	21.51	<=30	Pass
		6	0	20.44	0.53	20.97	<=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	22.27	0.53	22.80	<=30	Pass
			7	22.24	0.53	22.77	<=30	Pass
			14	22.25	0.53	22.78	<=30	Pass
		8	0	21.37	0.53	21.90	<=30	Pass
			4	21.37	0.53	21.90	<=30	Pass
			7	21.33	0.53	21.86	<=30	Pass
		15	0	21.34	0.53	21.87	<=30	Pass
	1732.5	1	0	22.49	0.53	23.02	<=30	Pass
			7	22.39	0.53	22.92	<=30	Pass
			14	22.44	0.53	22.97	<=30	Pass
		8	0	21.31	0.53	21.84	<=30	Pass
			4	21.45	0.53	21.98	<=30	Pass
			7	21.50	0.53	22.03	<=30	Pass
		15	0	21.50	0.53	22.03	<=30	Pass
	1753.5	1	0	22.19	0.53	22.72	<=30	Pass
			7	22.14	0.53	22.67	<=30	Pass
			14	22.23	0.53	22.76	<=30	Pass
		8	0	21.24	0.53	21.77	<=30	Pass
			4	21.31	0.53	21.84	<=30	Pass
			7	21.27	0.53	21.80	<=30	Pass
		15	0	21.24	0.53	21.77	<=30	Pass
16QAM	1711.5	1	0	20.99	0.53	21.52	<=30	Pass
			7	20.93	0.53	21.46	<=30	Pass
			14	20.92	0.53	21.45	<=30	Pass
		8	0	20.56	0.53	21.09	<=30	Pass
			4	20.55	0.53	21.08	<=30	Pass
			7	20.54	0.53	21.07	<=30	Pass
		15	0	20.40	0.53	20.93	<=30	Pass
	1732.5	1	0	21.96	0.53	22.49	<=30	Pass
			7	22.05	0.53	22.58	<=30	Pass
			14	21.92	0.53	22.45	<=30	Pass
		8	0	20.72	0.53	21.25	<=30	Pass
			4	20.67	0.53	21.20	<=30	Pass
			7	20.73	0.53	21.26	<=30	Pass
		15	0	20.49	0.53	21.02	<=30	Pass
	1753.5	1	0	20.94	0.53	21.47	<=30	Pass
			7	20.92	0.53	21.45	<=30	Pass
			14	21.01	0.53	21.54	<=30	Pass
		8	0	20.46	0.53	20.99	<=30	Pass
			4	20.42	0.53	20.95	<=30	Pass
			7	20.50	0.53	21.03	<=30	Pass
		15	0	20.32	0.53	20.85	<=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	22.24	0.53	22.77	<=30	Pass	
			13	22.25	0.53	22.78	<=30	Pass	
			24	22.34	0.53	22.87	<=30	Pass	
		12	0	21.36	0.53	21.89	<=30	Pass	
			6	21.29	0.53	21.82	<=30	Pass	
			13	21.45	0.53	21.98	<=30	Pass	
		25	0	21.33	0.53	21.86	<=30	Pass	
		1732.5	1	0	22.50	0.53	23.03	<=30	Pass
				13	22.48	0.53	23.01	<=30	Pass
	24			22.42	0.53	22.95	<=30	Pass	
	12		0	21.40	0.53	21.93	<=30	Pass	
			6	21.54	0.53	22.07	<=30	Pass	
			13	21.40	0.53	21.93	<=30	Pass	
	25	0	21.41	0.53	21.94	<=30	Pass		
	1752.5	1	0	22.32	0.53	22.85	<=30	Pass	
			13	22.31	0.53	22.84	<=30	Pass	
			24	22.37	0.53	22.90	<=30	Pass	
		12	0	21.26	0.53	21.79	<=30	Pass	
			6	21.26	0.53	21.79	<=30	Pass	
			13	21.32	0.53	21.85	<=30	Pass	
		25	0	21.30	0.53	21.83	<=30	Pass	
16QAM		1712.5	1	0	21.59	0.53	22.12	<=30	Pass
				13	21.60	0.53	22.13	<=30	Pass
	24			21.67	0.53	22.20	<=30	Pass	
	12		0	20.42	0.53	20.95	<=30	Pass	
			6	20.39	0.53	20.92	<=30	Pass	
			13	20.41	0.53	20.94	<=30	Pass	
	25		0	20.41	0.53	20.94	<=30	Pass	
	1732.5		1	0	21.39	0.53	21.92	<=30	Pass
				13	21.47	0.53	22.00	<=30	Pass
		24		21.44	0.53	21.97	<=30	Pass	
		12	0	20.39	0.53	20.92	<=30	Pass	
			6	20.34	0.53	20.87	<=30	Pass	
			13	20.40	0.53	20.93	<=30	Pass	
	25	0	20.41	0.53	20.94	<=30	Pass		
	1752.5	1	0	20.71	0.53	21.24	<=30	Pass	
			13	20.70	0.53	21.23	<=30	Pass	
			24	20.75	0.53	21.28	<=30	Pass	
		12	0	20.25	0.53	20.78	<=30	Pass	
			6	20.30	0.53	20.83	<=30	Pass	
			13	20.30	0.53	20.83	<=30	Pass	
		25	0	20.30	0.53	20.83	<=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	22.32	0.53	22.85	<=30	Pass
			25	22.25	0.53	22.78	<=30	Pass

		25	49	22.36	0.53	22.89	<=30	Pass	
			0	21.43	0.53	21.96	<=30	Pass	
			13	21.31	0.53	21.84	<=30	Pass	
			25	21.47	0.53	22.00	<=30	Pass	
		50	0	21.31	0.53	21.84	<=30	Pass	
	1732.5	1	0	22.40	0.53	22.93	<=30	Pass	
			25	22.42	0.53	22.95	<=30	Pass	
			49	22.32	0.53	22.85	<=30	Pass	
		25	0	21.46	0.53	21.99	<=30	Pass	
			13	21.45	0.53	21.98	<=30	Pass	
			25	21.44	0.53	21.97	<=30	Pass	
		50	0	21.47	0.53	22.00	<=30	Pass	
		1750	1	0	22.24	0.53	22.77	<=30	Pass
	25			22.32	0.53	22.85	<=30	Pass	
	49			22.39	0.53	22.92	<=30	Pass	
	25		0	21.18	0.53	21.71	<=30	Pass	
			13	21.35	0.53	21.88	<=30	Pass	
			25	21.32	0.53	21.85	<=30	Pass	
	50		0	21.45	0.53	21.98	<=30	Pass	
	16QAM	1715	1	0	21.28	0.53	21.81	<=30	Pass
				25	21.29	0.53	21.82	<=30	Pass
49				21.32	0.53	21.85	<=30	Pass	
25			0	20.53	0.53	21.06	<=30	Pass	
			13	20.49	0.53	21.02	<=30	Pass	
			25	20.54	0.53	21.07	<=30	Pass	
50			0	20.36	0.53	20.89	<=30	Pass	
1732.5		1	0	22.06	0.53	22.59	<=30	Pass	
			25	21.99	0.53	22.52	<=30	Pass	
			49	21.92	0.53	22.45	<=30	Pass	
		25	0	20.49	0.53	21.02	<=30	Pass	
			13	20.51	0.53	21.04	<=30	Pass	
			25	20.47	0.53	21.00	<=30	Pass	
		50	0	20.43	0.53	20.96	<=30	Pass	
1750		1	0	21.18	0.53	21.71	<=30	Pass	
			25	21.25	0.53	21.78	<=30	Pass	
			49	21.10	0.53	21.63	<=30	Pass	
		25	0	20.31	0.53	20.84	<=30	Pass	
			13	20.39	0.53	20.92	<=30	Pass	
			25	20.26	0.53	20.79	<=30	Pass	
		50	0	20.36	0.53	20.89	<=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	22.22	0.53	22.75	<=30	Pass
			38	22.20	0.53	22.73	<=30	Pass
			74	22.24	0.53	22.77	<=30	Pass
		36	0	21.40	0.53	21.93	<=30	Pass
			18	21.34	0.53	21.87	<=30	Pass
			39	21.45	0.53	21.98	<=30	Pass

	1732.5	75	0	21.37	0.53	21.90	<=30	Pass	
			1	0	22.63	0.53	23.16	<=30	Pass
				38	22.52	0.53	23.05	<=30	Pass
		74		22.40	0.53	22.93	<=30	Pass	
		36		0	21.46	0.53	21.99	<=30	Pass
			18	21.44	0.53	21.97	<=30	Pass	
			39	21.38	0.53	21.91	<=30	Pass	
		75	0	21.38	0.53	21.91	<=30	Pass	
		38	22.27	0.53	22.80	<=30	Pass		
	74	22.30	0.53	22.83	<=30	Pass			
	36	0	21.23	0.53	21.76	<=30	Pass		
		18	21.15	0.53	21.68	<=30	Pass		
		39	21.29	0.53	21.82	<=30	Pass		
	75	0	21.25	0.53	21.78	<=30	Pass		

16QAM	1717.5	1	0	21.69	0.53	22.22	<=30	Pass
			38	21.75	0.53	22.28	<=30	Pass
			74	21.78	0.53	22.31	<=30	Pass
		36	0	20.37	0.53	20.90	<=30	Pass
			18	20.44	0.53	20.97	<=30	Pass
			39	20.86	0.53	21.39	<=30	Pass
		75	0	20.38	0.53	20.91	<=30	Pass
	38	21.50	0.53	22.03	<=30	Pass		
	74	21.44	0.53	21.97	<=30	Pass		
	36	0	20.53	0.53	21.06	<=30	Pass	
		18	20.49	0.53	21.02	<=30	Pass	
		39	20.40	0.53	20.93	<=30	Pass	
	75	0	20.44	0.53	20.97	<=30	Pass	
	38	21.17	0.53	21.70	<=30	Pass		
	74	21.09	0.53	21.62	<=30	Pass		
	36	0	20.34	0.53	20.87	<=30	Pass	
		18	20.36	0.53	20.89	<=30	Pass	
		39	20.30	0.53	20.83	<=30	Pass	
	75	0	20.35	0.53	20.88	<=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	22.46	0.53	22.99	<=30	Pass
			50	22.54	0.53	23.07	<=30	Pass
			99	22.58	0.53	23.11	<=30	Pass
		50	0	21.47	0.53	22.00	<=30	Pass
			25	21.38	0.53	21.91	<=30	Pass
			50	21.54	0.53	22.07	<=30	Pass
		100	0	21.33	0.53	21.86	<=30	Pass
	1732.5	1	0	22.43	0.53	22.96	<=30	Pass
			50	22.40	0.53	22.93	<=30	Pass
			99	22.23	0.53	22.76	<=30	Pass

		50	0	21.54	0.53	22.07	<=30	Pass		
			25	21.38	0.53	21.91	<=30	Pass		
			50	21.37	0.53	21.90	<=30	Pass		
		100	0	21.42	0.53	21.95	<=30	Pass		
			1745	1	0	22.60	0.53	23.13	<=30	Pass
					50	22.59	0.53	23.12	<=30	Pass
	99	22.61			0.53	23.14	<=30	Pass		
	50	0		21.23	0.53	21.76	<=30	Pass		
		25		21.23	0.53	21.76	<=30	Pass		
		50		21.44	0.53	21.97	<=30	Pass		
	100	0	21.32	0.53	21.85	<=30	Pass			
	16QAM	1720	1	0	21.94	0.53	22.47	<=30	Pass	
50				21.91	0.53	22.44	<=30	Pass		
99				22.02	0.53	22.55	<=30	Pass		
50			0	20.39	0.53	20.92	<=30	Pass		
			25	20.44	0.53	20.97	<=30	Pass		
			50	20.52	0.53	21.05	<=30	Pass		
100			0	20.54	0.53	21.07	<=30	Pass		
1732.5		1	0	22.00	0.53	22.53	<=30	Pass		
			50	21.85	0.53	22.38	<=30	Pass		
			99	21.73	0.53	22.26	<=30	Pass		
		50	0	20.57	0.53	21.10	<=30	Pass		
			25	20.54	0.53	21.07	<=30	Pass		
			50	20.50	0.53	21.03	<=30	Pass		
		100	0	20.45	0.53	20.98	<=30	Pass		
1745		1	0	20.60	0.53	21.13	<=30	Pass		
			50	20.56	0.53	21.09	<=30	Pass		
			99	20.51	0.53	21.04	<=30	Pass		
		50	0	20.38	0.53	20.91	<=30	Pass		
			25	20.36	0.53	20.89	<=30	Pass		
			50	20.57	0.53	21.10	<=30	Pass		
		100	0	20.25	0.53	20.78	<=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	8.497	0.0050	-2.5 to 2.5	Pass
					3.85	-13.404	-0.0078	-2.5 to 2.5	Pass
					4.43	-15.707	-0.0092	-2.5 to 2.5	Pass
				-30	3.85	-16.994	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-16.379	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-15.321	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-13.733	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-10.300	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-13.447	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-8.941	-0.0052	-2.5 to 2.5	Pass

	1732.5	6	0	20	3.27	27.137	0.0157	-2.5 to 2.5	Pass
					3.85	10.886	0.0063	-2.5 to 2.5	Pass
					4.43	11.201	0.0065	-2.5 to 2.5	Pass
				-30	3.85	9.370	0.0054	-2.5 to 2.5	Pass
				-20	3.85	11.916	0.0069	-2.5 to 2.5	Pass
				-10	3.85	10.958	0.0063	-2.5 to 2.5	Pass
				0	3.85	14.234	0.0082	-2.5 to 2.5	Pass
				10	3.85	13.347	0.0077	-2.5 to 2.5	Pass
				30	3.85	14.677	0.0085	-2.5 to 2.5	Pass
				40	3.85	14.176	0.0082	-2.5 to 2.5	Pass
	50	3.85	14.863	0.0086	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-5.565	-0.0032	-2.5 to 2.5	Pass
					3.85	-20.871	-0.0119	-2.5 to 2.5	Pass
					4.43	-22.559	-0.0129	-2.5 to 2.5	Pass
				-30	3.85	-42.300	-0.0241	-2.5 to 2.5	Pass
				-20	3.85	7.768	0.0044	-2.5 to 2.5	Pass
				-10	3.85	-31.514	-0.0180	-2.5 to 2.5	Pass
				0	3.85	-30.141	-0.0172	-2.5 to 2.5	Pass
10				3.85	-19.870	-0.0113	-2.5 to 2.5	Pass	
30				3.85	-38.252	-0.0218	-2.5 to 2.5	Pass	
40				3.85	-25.592	-0.0146	-2.5 to 2.5	Pass	
50	3.85	-37.093	-0.0211	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-8.826	-0.0052	-2.5 to 2.5	Pass
					3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
					4.43	0.315	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				0	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0003	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
	50	3.85	0.458	0.0003	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	15.264	0.0088	-2.5 to 2.5	Pass
					3.85	17.438	0.0101	-2.5 to 2.5	Pass
					4.43	19.155	0.0111	-2.5 to 2.5	Pass
				-30	3.85	19.083	0.0110	-2.5 to 2.5	Pass
				-20	3.85	21.315	0.0123	-2.5 to 2.5	Pass
				-10	3.85	21.372	0.0123	-2.5 to 2.5	Pass
				0	3.85	19.469	0.0112	-2.5 to 2.5	Pass
				10	3.85	20.242	0.0117	-2.5 to 2.5	Pass
				30	3.85	22.616	0.0131	-2.5 to 2.5	Pass
				40	3.85	20.156	0.0116	-2.5 to 2.5	Pass
	50	3.85	20.614	0.0119	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-21.343	-0.0122	-2.5 to 2.5	Pass
					3.85	-27.494	-0.0157	-2.5 to 2.5	Pass
					4.43	-33.116	-0.0189	-2.5 to 2.5	Pass
				-30	3.85	-39.210	-0.0224	-2.5 to 2.5	Pass
				-20	3.85	19.226	0.0110	-2.5 to 2.5	Pass
				-10	3.85	13.990	0.0080	-2.5 to 2.5	Pass
				0	3.85	10.829	0.0062	-2.5 to 2.5	Pass
				10	3.85	9.027	0.0051	-2.5 to 2.5	Pass
30				3.85	5.665	0.0032	-2.5 to 2.5	Pass	
40				3.85	0.515	0.0003	-2.5 to 2.5	Pass	
50	3.85	-0.072	0.0000	-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	6.495	0.0038	-2.5 to 2.5	Pass
					3.85	3.934	0.0023	-2.5 to 2.5	Pass
					4.43	-16.723	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-25.964	-0.0152	-2.5 to 2.5	Pass
				-20	3.85	-20.499	-0.0120	-2.5 to 2.5	Pass
				-10	3.85	-20.900	-0.0122	-2.5 to 2.5	Pass
				0	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-30.384	-0.0178	-2.5 to 2.5	Pass
				30	3.85	-11.845	-0.0069	-2.5 to 2.5	Pass
				40	3.85	-25.749	-0.0150	-2.5 to 2.5	Pass
				50	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	23.117	0.0133	-2.5 to 2.5	Pass
					3.85	12.016	0.0069	-2.5 to 2.5	Pass
					4.43	8.812	0.0051	-2.5 to 2.5	Pass
				-30	3.85	5.236	0.0030	-2.5 to 2.5	Pass
				-20	3.85	5.751	0.0033	-2.5 to 2.5	Pass
				-10	3.85	3.290	0.0019	-2.5 to 2.5	Pass
				0	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				30	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	33.360	0.0190	-2.5 to 2.5	Pass
					3.85	17.338	0.0099	-2.5 to 2.5	Pass
					4.43	10.686	0.0061	-2.5 to 2.5	Pass
				-30	3.85	12.689	0.0072	-2.5 to 2.5	Pass
				-20	3.85	5.779	0.0033	-2.5 to 2.5	Pass
				-10	3.85	5.136	0.0029	-2.5 to 2.5	Pass
				0	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.925	-0.0045	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-13.075	-0.0076	-2.5 to 2.5	Pass
					3.85	-19.412	-0.0113	-2.5 to 2.5	Pass
					4.43	-21.801	-0.0127	-2.5 to 2.5	Pass
				-30	3.85	-25.935	-0.0152	-2.5 to 2.5	Pass
				-20	3.85	-29.569	-0.0173	-2.5 to 2.5	Pass
				-10	3.85	-31.385	-0.0183	-2.5 to 2.5	Pass
				0	3.85	-34.304	-0.0200	-2.5 to 2.5	Pass
				10	3.85	-37.065	-0.0217	-2.5 to 2.5	Pass
				30	3.85	12.388	0.0072	-2.5 to 2.5	Pass
				40	3.85	10.371	0.0061	-2.5 to 2.5	Pass
				50	3.85	7.739	0.0045	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-2.704	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
					4.43	-2.375	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				-20	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass

				-10	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				0	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				30	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	1.745	0.0010	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-7.381	-0.0042	-2.5 to 2.5	Pass
					3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.691	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-2.275	-0.0013	-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	6.824	0.0040	-2.5 to 2.5	Pass
					3.85	-25.520	-0.0149	-2.5 to 2.5	Pass
					4.43	-13.762	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-13.332	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-11.773	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-7.896	-0.0046	-2.5 to 2.5	Pass
				0	3.85	-29.426	-0.0172	-2.5 to 2.5	Pass
				10	3.85	7.925	0.0046	-2.5 to 2.5	Pass
				30	3.85	-13.347	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-25.320	-0.0148	-2.5 to 2.5	Pass
				50	3.85	-32.616	-0.0190	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	28.610	0.0165	-2.5 to 2.5	Pass
					3.85	15.979	0.0092	-2.5 to 2.5	Pass
					4.43	14.062	0.0081	-2.5 to 2.5	Pass
				-30	3.85	12.474	0.0072	-2.5 to 2.5	Pass
				-20	3.85	13.776	0.0080	-2.5 to 2.5	Pass
				-10	3.85	12.574	0.0073	-2.5 to 2.5	Pass
				0	3.85	14.391	0.0083	-2.5 to 2.5	Pass
				10	3.85	12.875	0.0074	-2.5 to 2.5	Pass
				30	3.85	10.843	0.0063	-2.5 to 2.5	Pass
				40	3.85	12.202	0.0070	-2.5 to 2.5	Pass
				50	3.85	9.513	0.0055	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	24.562	0.0140	-2.5 to 2.5	Pass
					3.85	6.151	0.0035	-2.5 to 2.5	Pass
					4.43	2.718	0.0016	-2.5 to 2.5	Pass
				-30	3.85	2.346	0.0013	-2.5 to 2.5	Pass
				-20	3.85	3.347	0.0019	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				0	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass

				30	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-5.651	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-6.666	-0.0039	-2.5 to 2.5	Pass
					3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
					4.43	-10.715	-0.0063	-2.5 to 2.5	Pass
				-30	3.85	-10.972	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-14.520	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	-18.868	-0.0110	-2.5 to 2.5	Pass
				0	3.85	-20.714	-0.0121	-2.5 to 2.5	Pass
				10	3.85	-20.957	-0.0122	-2.5 to 2.5	Pass
				30	3.85	-23.003	-0.0134	-2.5 to 2.5	Pass
				40	3.85	-22.473	-0.0131	-2.5 to 2.5	Pass
				50	3.85	-25.277	-0.0148	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	9.270	0.0054	-2.5 to 2.5	Pass
					3.85	13.990	0.0081	-2.5 to 2.5	Pass
					4.43	14.663	0.0085	-2.5 to 2.5	Pass
				-30	3.85	14.462	0.0083	-2.5 to 2.5	Pass
				-20	3.85	15.163	0.0088	-2.5 to 2.5	Pass
				-10	3.85	14.334	0.0083	-2.5 to 2.5	Pass
				0	3.85	15.950	0.0092	-2.5 to 2.5	Pass
				10	3.85	17.066	0.0099	-2.5 to 2.5	Pass
				30	3.85	16.022	0.0092	-2.5 to 2.5	Pass
				40	3.85	17.538	0.0101	-2.5 to 2.5	Pass
				50	3.85	18.282	0.0106	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-7.181	-0.0041	-2.5 to 2.5	Pass
					3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
					4.43	-0.944	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-4.807	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	9.642	0.0056	-2.5 to 2.5	Pass
					3.85	-11.187	-0.0065	-2.5 to 2.5	Pass
					4.43	-16.222	-0.0095	-2.5 to 2.5	Pass
				-30	3.85	3.076	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-26.250	-0.0153	-2.5 to 2.5	Pass
				-10	3.85	-26.021	-0.0152	-2.5 to 2.5	Pass
				0	3.85	-10.929	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-27.194	-0.0159	-2.5 to 2.5	Pass
				30	3.85	-36.721	-0.0214	-2.5 to 2.5	Pass
				40	3.85	-41.914	-0.0244	-2.5 to 2.5	Pass
				50	3.85	-10.128	-0.0059	-2.5 to 2.5	Pass

	1732.5	50	0	20	3.27	25.320	0.0146	-2.5 to 2.5	Pass
					3.85	10.343	0.0060	-2.5 to 2.5	Pass
					4.43	7.553	0.0044	-2.5 to 2.5	Pass
				-30	3.85	8.111	0.0047	-2.5 to 2.5	Pass
				-20	3.85	9.069	0.0052	-2.5 to 2.5	Pass
				-10	3.85	9.656	0.0056	-2.5 to 2.5	Pass
				0	3.85	9.484	0.0055	-2.5 to 2.5	Pass
				10	3.85	10.057	0.0058	-2.5 to 2.5	Pass
				30	3.85	10.228	0.0059	-2.5 to 2.5	Pass
				40	3.85	10.586	0.0061	-2.5 to 2.5	Pass
				50	3.85	12.660	0.0073	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	22.044	0.0126	-2.5 to 2.5	Pass
					3.85	2.561	0.0015	-2.5 to 2.5	Pass
					4.43	2.046	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.832	0.0016	-2.5 to 2.5	Pass
				-20	3.85	2.532	0.0014	-2.5 to 2.5	Pass
				-10	3.85	5.064	0.0029	-2.5 to 2.5	Pass
				0	3.85	4.334	0.0025	-2.5 to 2.5	Pass
				10	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				40	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				50	3.85	8.111	0.0046	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-13.762	-0.0080	-2.5 to 2.5	Pass
					3.85	-11.415	-0.0067	-2.5 to 2.5	Pass
					4.43	-11.559	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-12.317	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-13.847	-0.0081	-2.5 to 2.5	Pass
				-10	3.85	-14.520	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-16.036	-0.0094	-2.5 to 2.5	Pass
				10	3.85	-15.635	-0.0091	-2.5 to 2.5	Pass
				30	3.85	-10.214	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-15.564	-0.0091	-2.5 to 2.5	Pass
				50	3.85	-14.305	-0.0083	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	11.787	0.0068	-2.5 to 2.5	Pass
					3.85	15.907	0.0092	-2.5 to 2.5	Pass
					4.43	13.747	0.0079	-2.5 to 2.5	Pass
				-30	3.85	13.847	0.0080	-2.5 to 2.5	Pass
				-20	3.85	15.492	0.0089	-2.5 to 2.5	Pass
				-10	3.85	13.261	0.0077	-2.5 to 2.5	Pass
				0	3.85	12.960	0.0075	-2.5 to 2.5	Pass
				10	3.85	13.404	0.0077	-2.5 to 2.5	Pass
				30	3.85	13.847	0.0080	-2.5 to 2.5	Pass
				40	3.85	13.690	0.0079	-2.5 to 2.5	Pass
				50	3.85	15.407	0.0089	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	3.762	0.0021	-2.5 to 2.5	Pass
					3.85	7.625	0.0044	-2.5 to 2.5	Pass
					4.43	8.397	0.0048	-2.5 to 2.5	Pass
				-30	3.85	10.014	0.0057	-2.5 to 2.5	Pass
				-20	3.85	7.482	0.0043	-2.5 to 2.5	Pass
				-10	3.85	11.745	0.0067	-2.5 to 2.5	Pass
				0	3.85	9.928	0.0057	-2.5 to 2.5	Pass
				10	3.85	10.958	0.0063	-2.5 to 2.5	Pass
				30	3.85	10.414	0.0060	-2.5 to 2.5	Pass
				40	3.85	8.912	0.0051	-2.5 to 2.5	Pass
				50	3.85	8.812	0.0050	-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	3.719	0.0022	-2.5 to 2.5	Pass
					3.85	-24.505	-0.0143	-2.5 to 2.5	Pass
					4.43	-3.262	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-25.749	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-31.786	-0.0185	-2.5 to 2.5	Pass
				-10	3.85	-20.657	-0.0120	-2.5 to 2.5	Pass
				0	3.85	-37.222	-0.0217	-2.5 to 2.5	Pass
				10	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-8.368	-0.0049	-2.5 to 2.5	Pass
				40	3.85	-13.547	-0.0079	-2.5 to 2.5	Pass
				50	3.85	-17.252	-0.0100	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	26.836	0.0155	-2.5 to 2.5	Pass
					3.85	12.574	0.0073	-2.5 to 2.5	Pass
					4.43	9.899	0.0057	-2.5 to 2.5	Pass
				-30	3.85	9.499	0.0055	-2.5 to 2.5	Pass
				-20	3.85	9.871	0.0057	-2.5 to 2.5	Pass
				-10	3.85	8.411	0.0049	-2.5 to 2.5	Pass
				0	3.85	9.141	0.0053	-2.5 to 2.5	Pass
				10	3.85	12.345	0.0071	-2.5 to 2.5	Pass
				30	3.85	11.244	0.0065	-2.5 to 2.5	Pass
				40	3.85	13.332	0.0077	-2.5 to 2.5	Pass
				50	3.85	11.358	0.0066	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	27.566	0.0158	-2.5 to 2.5	Pass
					3.85	13.962	0.0080	-2.5 to 2.5	Pass
					4.43	15.564	0.0089	-2.5 to 2.5	Pass
				-30	3.85	15.092	0.0086	-2.5 to 2.5	Pass
				-20	3.85	15.736	0.0090	-2.5 to 2.5	Pass
				-10	3.85	17.796	0.0102	-2.5 to 2.5	Pass
				0	3.85	20.742	0.0119	-2.5 to 2.5	Pass
				10	3.85	19.455	0.0111	-2.5 to 2.5	Pass
				30	3.85	18.926	0.0108	-2.5 to 2.5	Pass
				40	3.85	20.113	0.0115	-2.5 to 2.5	Pass
				50	3.85	18.754	0.0107	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	-17.824	-0.0104	-2.5 to 2.5	Pass
					3.85	-14.133	-0.0082	-2.5 to 2.5	Pass
					4.43	-14.534	-0.0085	-2.5 to 2.5	Pass
				-30	3.85	-14.048	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-15.378	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-13.075	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-13.819	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-12.732	-0.0074	-2.5 to 2.5	Pass
				30	3.85	-15.063	-0.0088	-2.5 to 2.5	Pass
				40	3.85	-14.005	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-14.477	-0.0084	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	12.488	0.0072	-2.5 to 2.5	Pass
					3.85	15.507	0.0090	-2.5 to 2.5	Pass
					4.43	16.007	0.0092	-2.5 to 2.5	Pass
				-30	3.85	12.703	0.0073	-2.5 to 2.5	Pass
				-20	3.85	11.845	0.0068	-2.5 to 2.5	Pass

				-10	3.85	13.647	0.0079	-2.5 to 2.5	Pass
				0	3.85	12.517	0.0072	-2.5 to 2.5	Pass
				10	3.85	10.242	0.0059	-2.5 to 2.5	Pass
				30	3.85	13.289	0.0077	-2.5 to 2.5	Pass
				40	3.85	16.637	0.0096	-2.5 to 2.5	Pass
				50	3.85	13.404	0.0077	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	18.654	0.0107	-2.5 to 2.5	Pass
					3.85	21.715	0.0124	-2.5 to 2.5	Pass
					4.43	21.801	0.0125	-2.5 to 2.5	Pass
				-30	3.85	22.602	0.0129	-2.5 to 2.5	Pass
				-20	3.85	20.227	0.0116	-2.5 to 2.5	Pass
				-10	3.85	22.116	0.0127	-2.5 to 2.5	Pass
				0	3.85	23.174	0.0133	-2.5 to 2.5	Pass
				10	3.85	23.961	0.0137	-2.5 to 2.5	Pass
				30	3.85	23.661	0.0135	-2.5 to 2.5	Pass
				40	3.85	24.219	0.0139	-2.5 to 2.5	Pass
				50	3.85	27.037	0.0155	-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	-6.166	-0.0036	-2.5 to 2.5	Pass
					3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
					4.43	-17.452	-0.0101	-2.5 to 2.5	Pass
				-30	3.85	-19.298	-0.0112	-2.5 to 2.5	Pass
				-20	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-27.108	-0.0158	-2.5 to 2.5	Pass
				0	3.85	-40.970	-0.0238	-2.5 to 2.5	Pass
				10	3.85	-15.335	-0.0089	-2.5 to 2.5	Pass
				30	3.85	-15.435	-0.0090	-2.5 to 2.5	Pass
				40	3.85	-21.873	-0.0127	-2.5 to 2.5	Pass
				50	3.85	-20.185	-0.0117	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	16.394	0.0095	-2.5 to 2.5	Pass
					3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				0	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				30	3.85	2.718	0.0016	-2.5 to 2.5	Pass
				40	3.85	4.220	0.0024	-2.5 to 2.5	Pass
				50	3.85	3.548	0.0020	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	17.352	0.0099	-2.5 to 2.5	Pass
					3.85	2.360	0.0014	-2.5 to 2.5	Pass
					4.43	5.350	0.0031	-2.5 to 2.5	Pass
				-30	3.85	4.921	0.0028	-2.5 to 2.5	Pass
				-20	3.85	5.379	0.0031	-2.5 to 2.5	Pass
				-10	3.85	6.795	0.0039	-2.5 to 2.5	Pass
				0	3.85	8.054	0.0046	-2.5 to 2.5	Pass
				10	3.85	7.553	0.0043	-2.5 to 2.5	Pass

				30	3.85	7.310	0.0042	-2.5 to 2.5	Pass
				40	3.85	13.762	0.0079	-2.5 to 2.5	Pass
				50	3.85	9.727	0.0056	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-19.355	-0.0113	-2.5 to 2.5	Pass
					3.85	-17.438	-0.0101	-2.5 to 2.5	Pass
					4.43	-16.093	-0.0094	-2.5 to 2.5	Pass
				-30	3.85	-17.037	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-16.894	-0.0098	-2.5 to 2.5	Pass
				-10	3.85	-15.421	-0.0090	-2.5 to 2.5	Pass
				0	3.85	-15.836	-0.0092	-2.5 to 2.5	Pass
				10	3.85	-11.773	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-13.819	-0.0080	-2.5 to 2.5	Pass
				40	3.85	-14.362	-0.0084	-2.5 to 2.5	Pass
				50	3.85	-14.148	-0.0082	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	5.593	0.0032	-2.5 to 2.5	Pass
					3.85	7.281	0.0042	-2.5 to 2.5	Pass
					4.43	6.781	0.0039	-2.5 to 2.5	Pass
				-30	3.85	5.865	0.0034	-2.5 to 2.5	Pass
				-20	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				-10	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				0	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				10	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				30	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				40	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.916	0.0005	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	12.302	0.0070	-2.5 to 2.5	Pass
					3.85	14.377	0.0082	-2.5 to 2.5	Pass
					4.43	13.676	0.0078	-2.5 to 2.5	Pass
				-30	3.85	12.703	0.0073	-2.5 to 2.5	Pass
				-20	3.85	13.833	0.0079	-2.5 to 2.5	Pass
				-10	3.85	13.332	0.0076	-2.5 to 2.5	Pass
				0	3.85	13.647	0.0078	-2.5 to 2.5	Pass
				10	3.85	12.860	0.0074	-2.5 to 2.5	Pass
				30	3.85	14.119	0.0081	-2.5 to 2.5	Pass
				40	3.85	15.707	0.0090	-2.5 to 2.5	Pass
				50	3.85	15.593	0.0089	-2.5 to 2.5	Pass

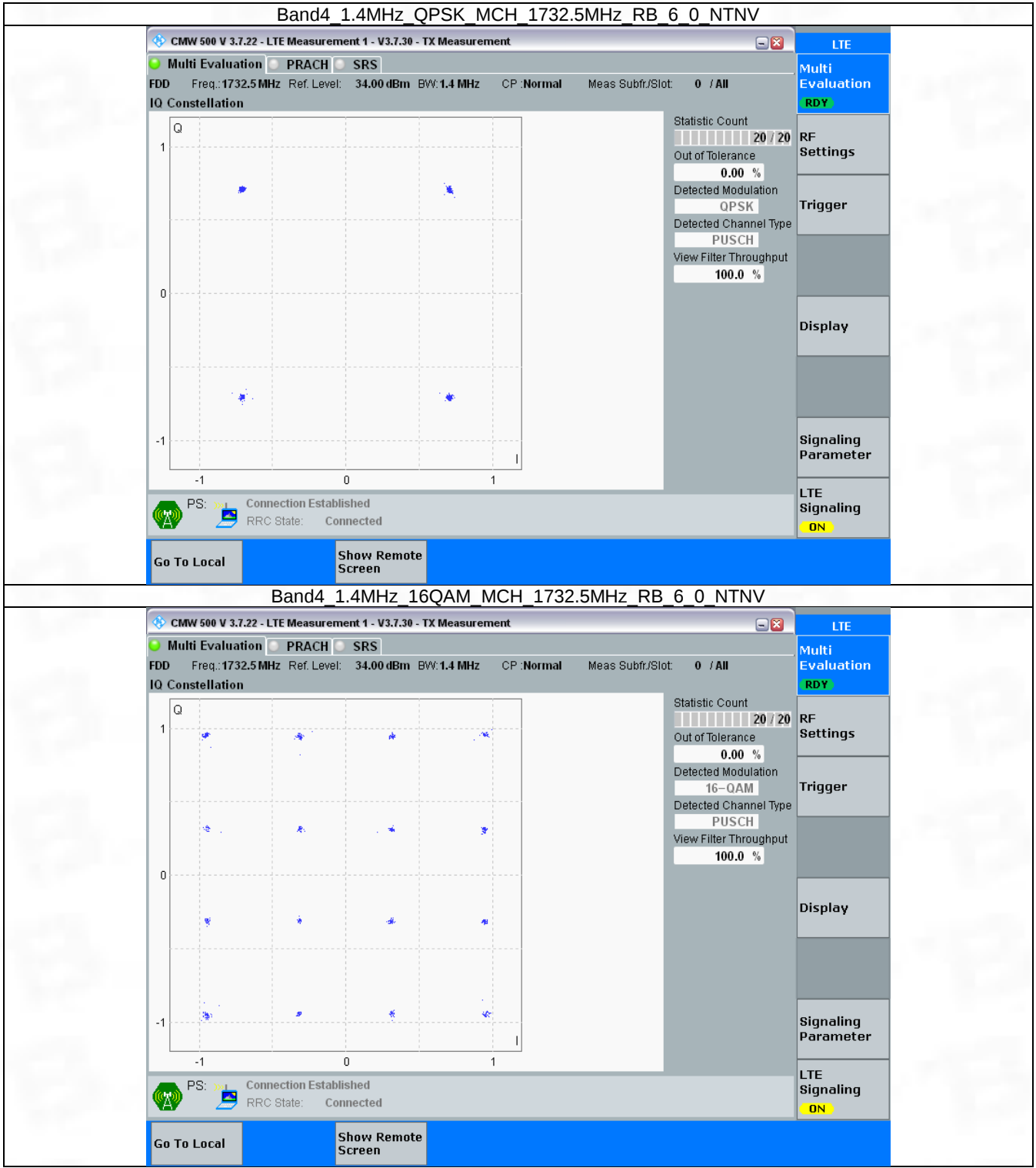
3. Modulation Characteristics

3.1 B4_1.4MHz

3.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTV					
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

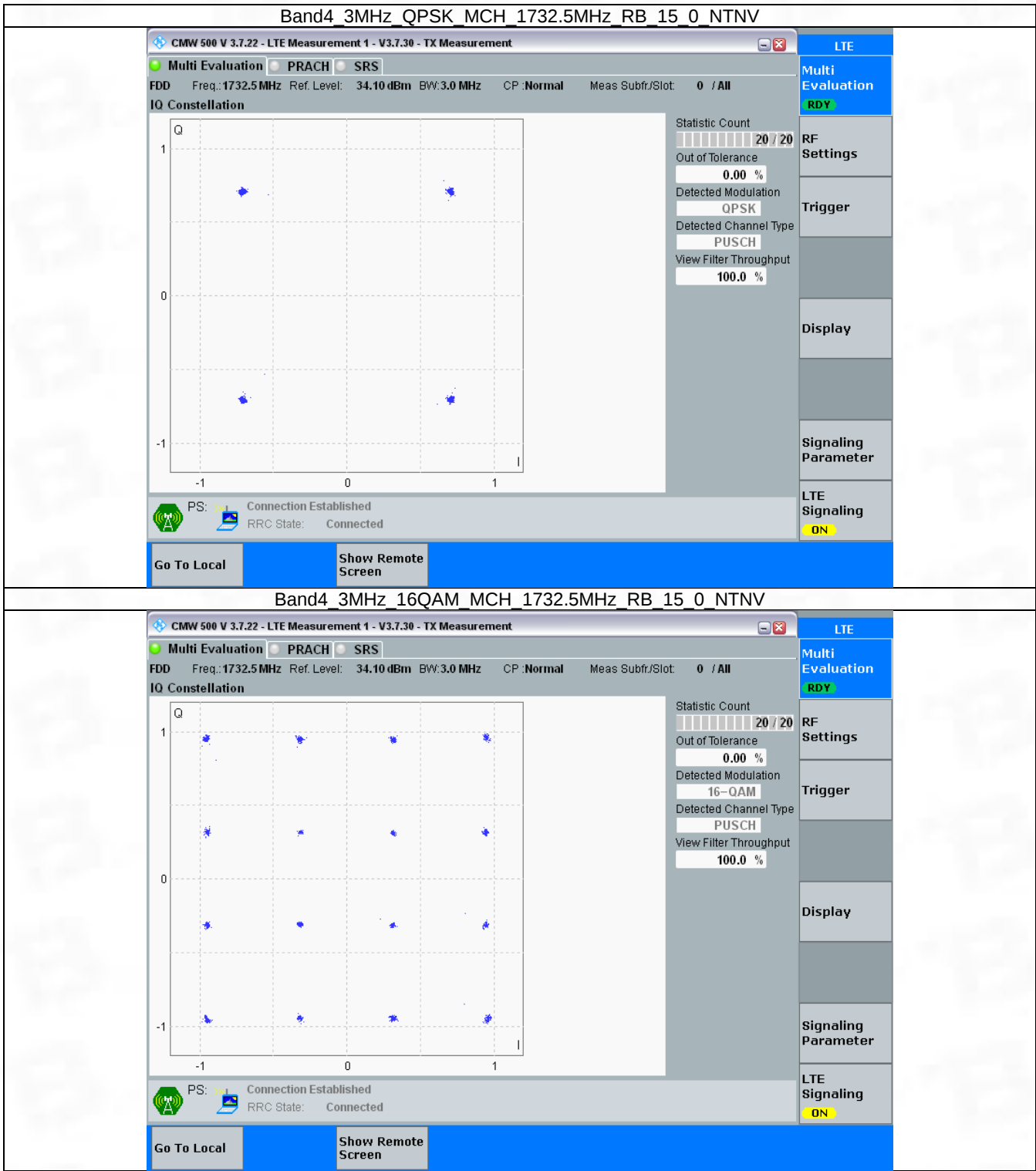


3.2 B4_3MHz

3.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / 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

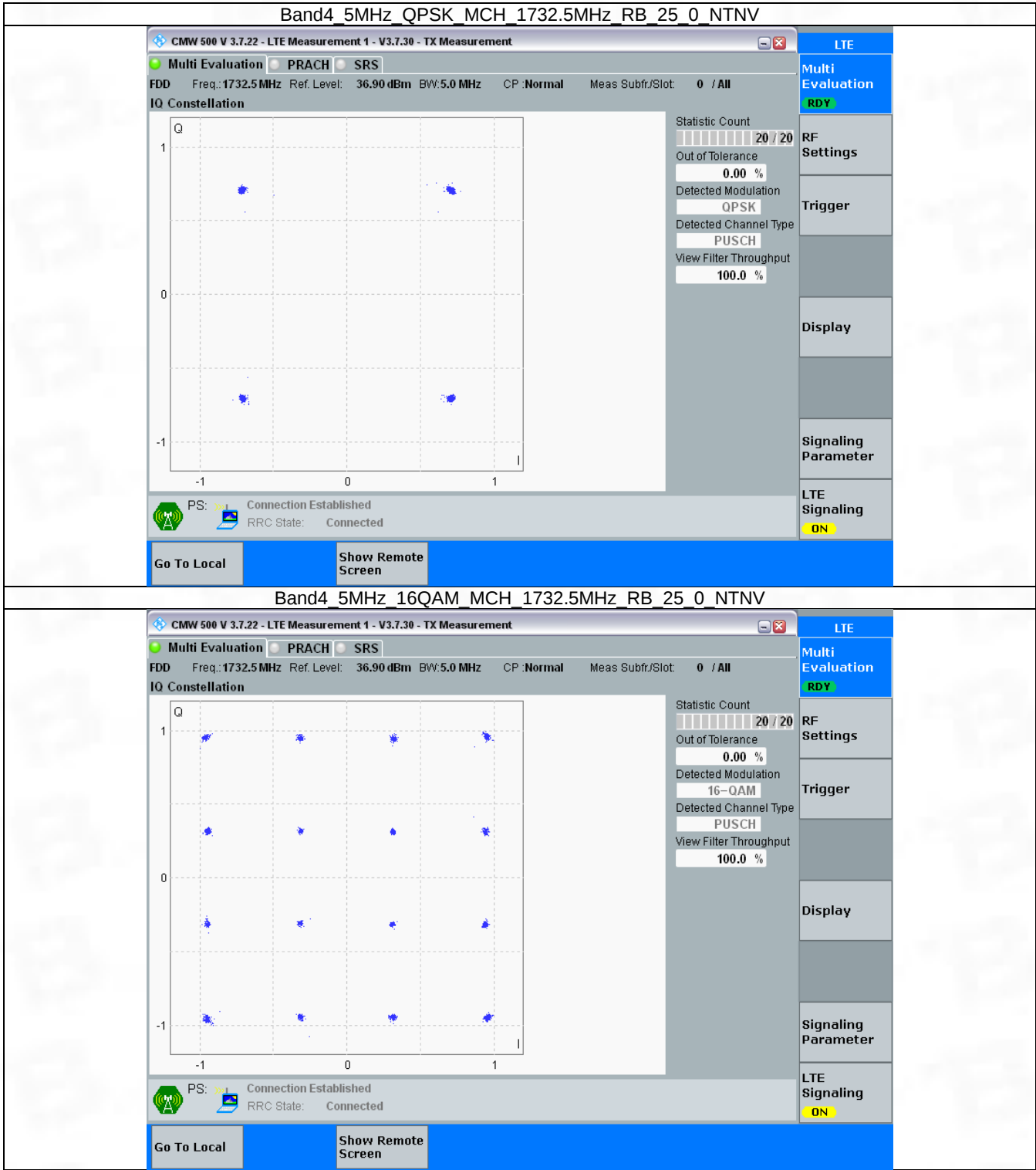


3.3 B4_5MHz

3.3.1 Test Result

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

3.3.2 Test Graph

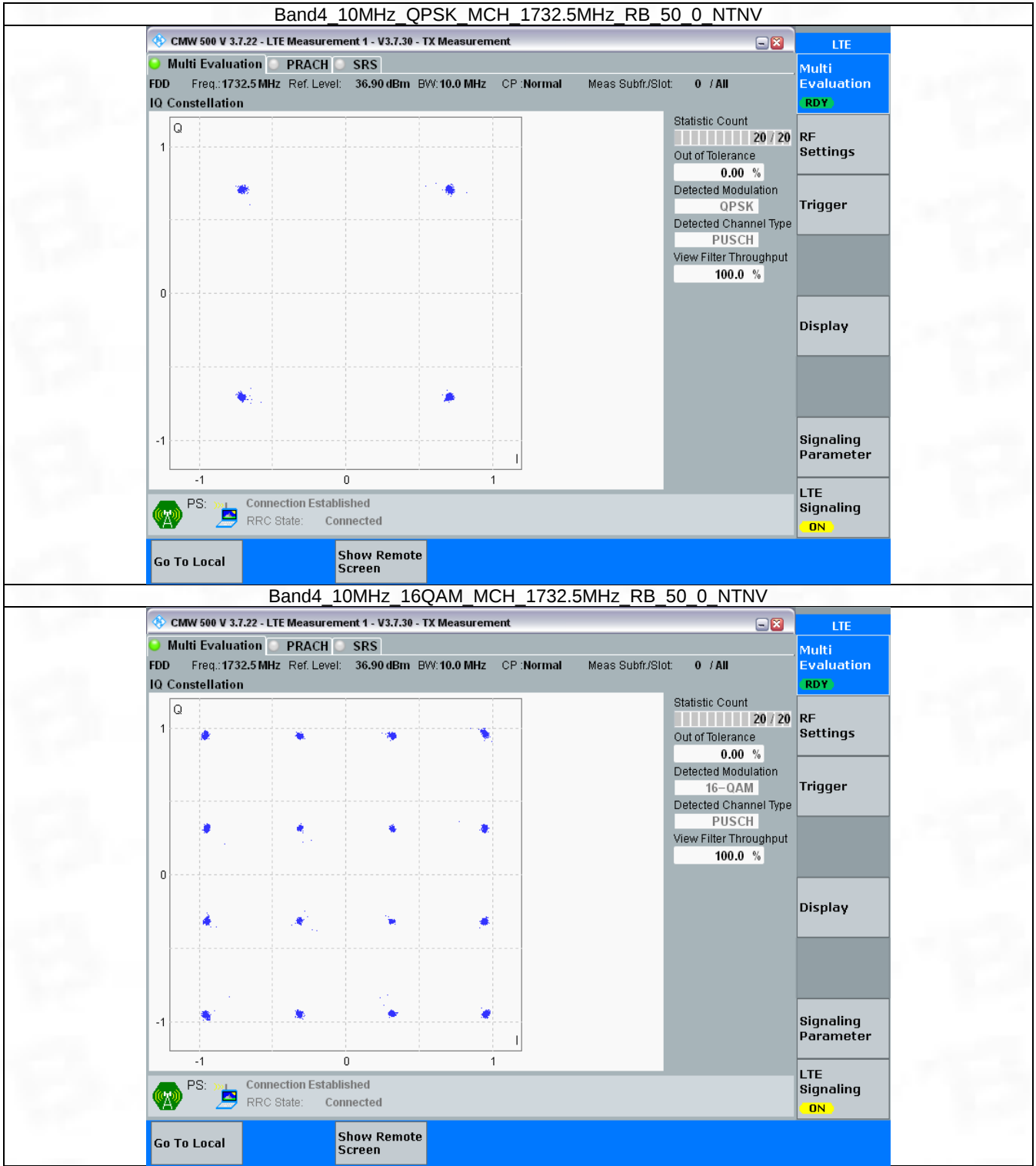


3.4 B4_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph

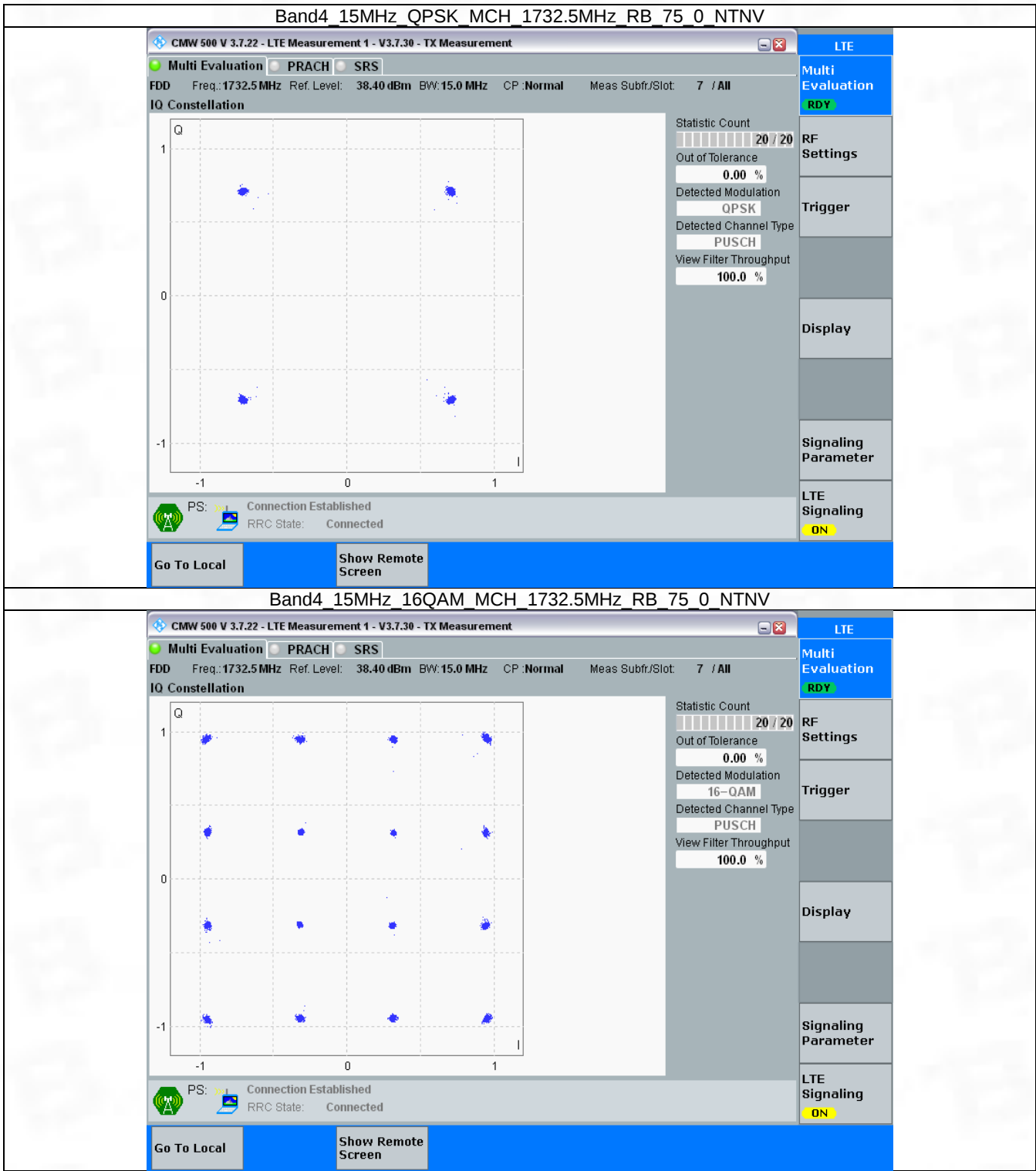


3.5 B4_15MHz

3.5.1 Test Result

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

3.5.2 Test Graph

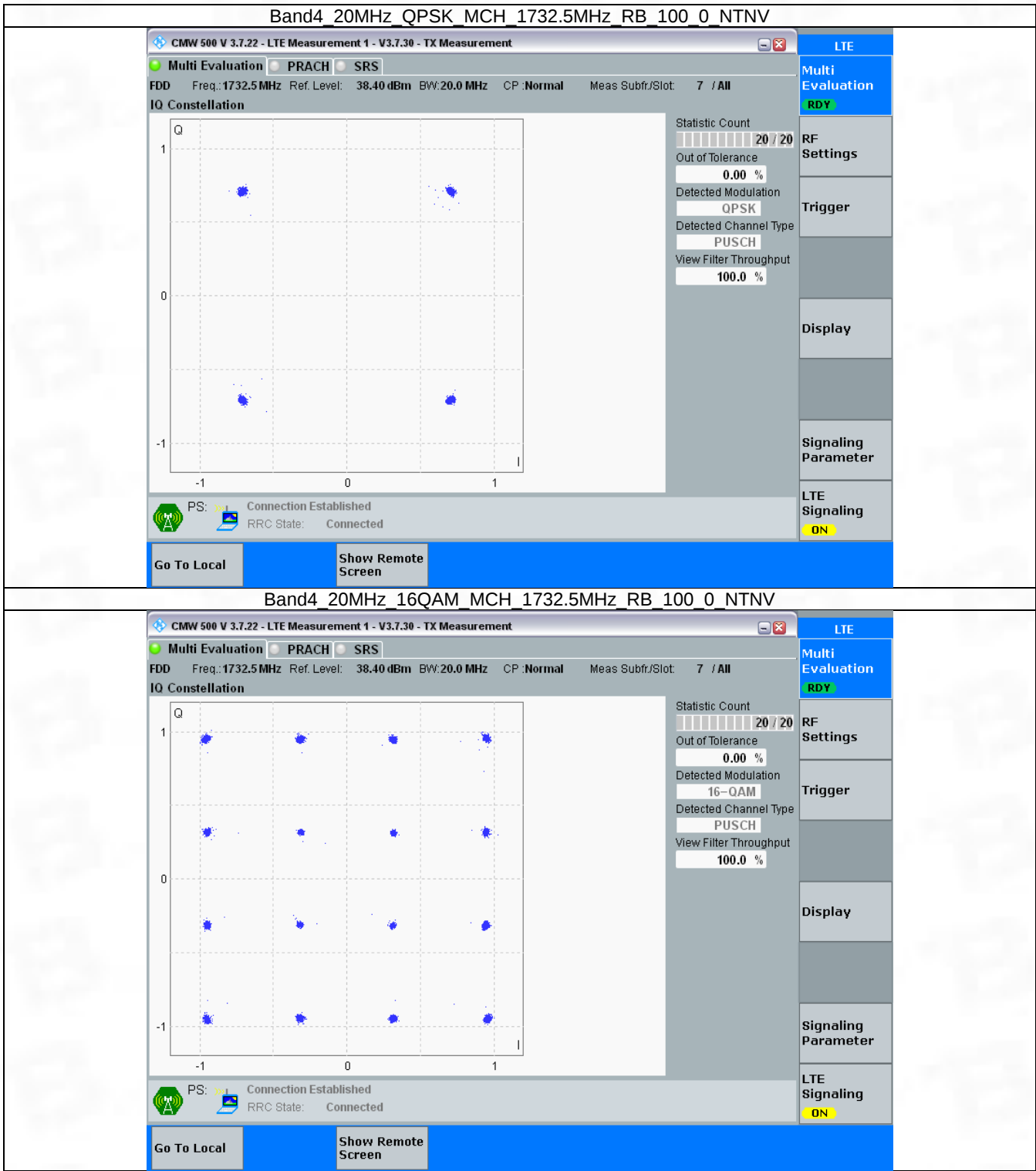


3.6 B4_20MHz

3.6.1 Test Result

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

3.6.2 Test Graph



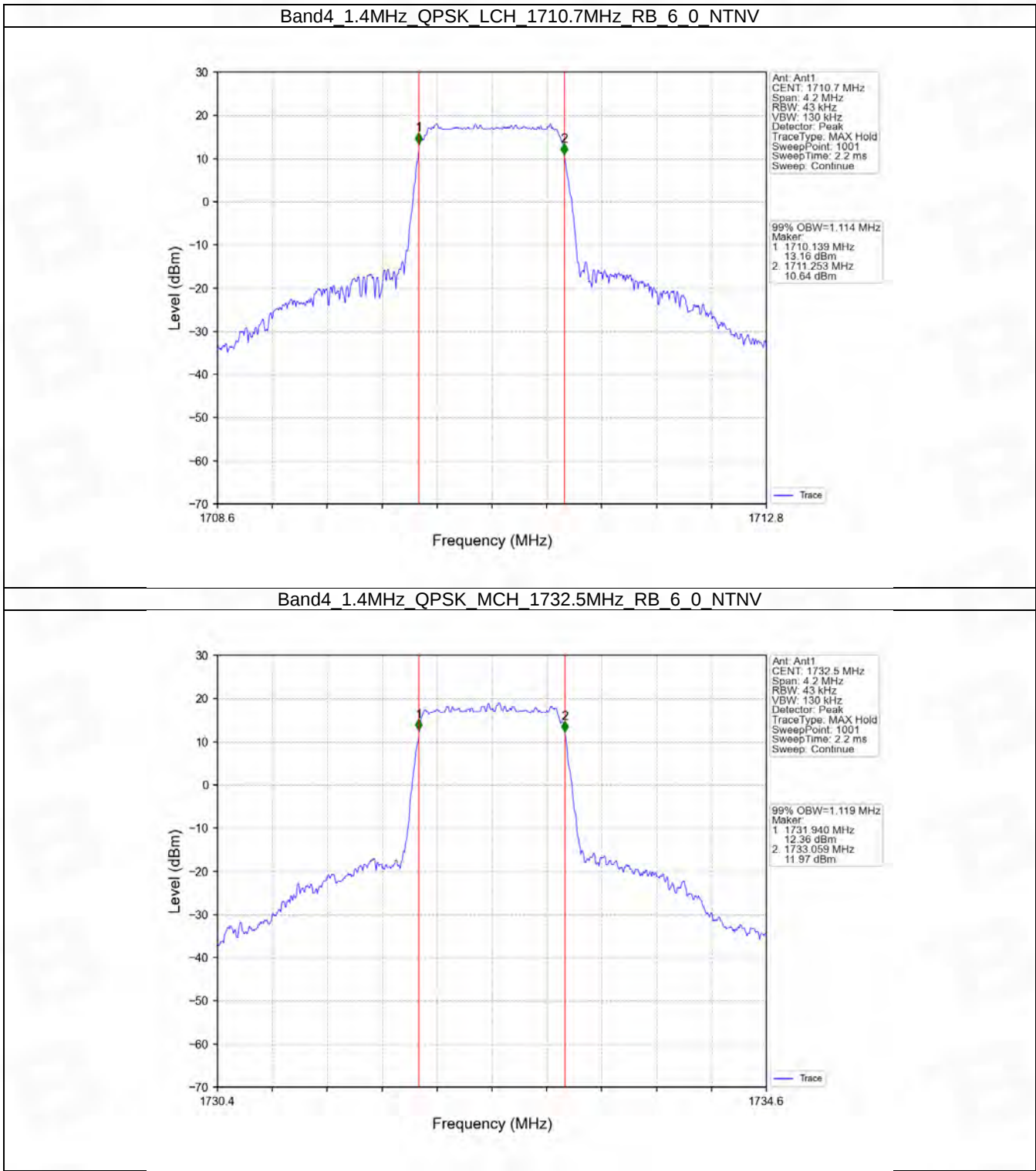
4. 99% & 26dB Bandwidth

4.1 Band4_OBW

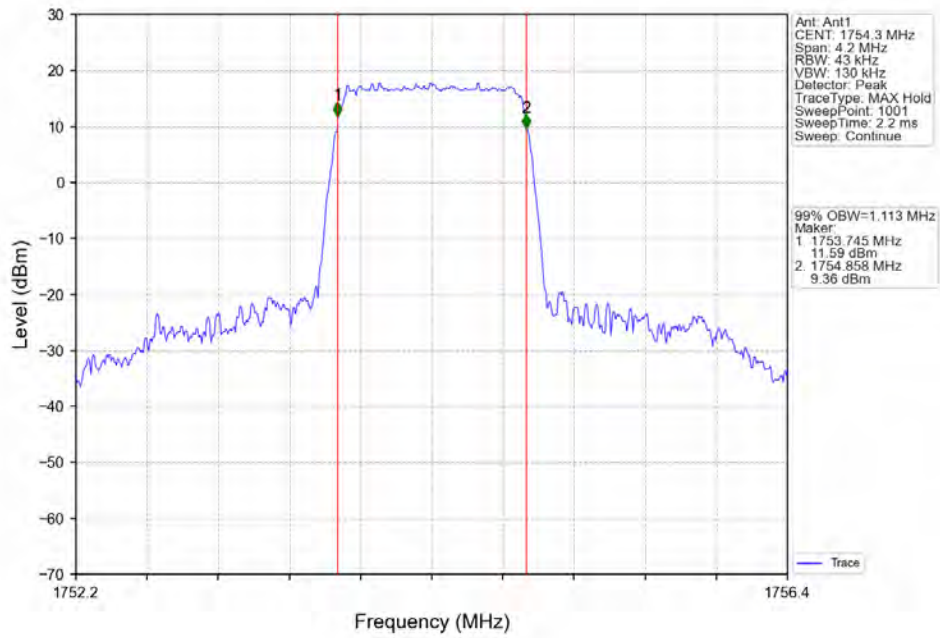
4.1.1 Test Result

Band: 4 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.119	/	Pass
		1754.3	6	0	1.113	/	Pass
	16QAM	1710.7	6	0	1.123	/	Pass
		1732.5	6	0	1.115	/	Pass
		1754.3	6	0	1.109	/	Pass
3	QPSK	1711.5	15	0	2.758	/	Pass
		1732.5	15	0	2.765	/	Pass
		1753.5	15	0	2.751	/	Pass
	16QAM	1711.5	15	0	2.763	/	Pass
		1732.5	15	0	2.745	/	Pass
		1753.5	15	0	2.753	/	Pass
5	QPSK	1712.5	25	0	4.543	/	Pass
		1732.5	25	0	4.559	/	Pass
		1752.5	25	0	4.572	/	Pass
	16QAM	1712.5	25	0	4.568	/	Pass
		1732.5	25	0	4.583	/	Pass
		1752.5	25	0	4.560	/	Pass
10	QPSK	1715	50	0	9.073	/	Pass
		1732.5	50	0	9.053	/	Pass
		1750	50	0	9.079	/	Pass
	16QAM	1715	50	0	9.056	/	Pass
		1732.5	50	0	9.098	/	Pass
		1750	50	0	9.096	/	Pass
15	QPSK	1717.5	75	0	13.642	/	Pass
		1732.5	75	0	13.570	/	Pass
		1747.5	75	0	13.636	/	Pass
	16QAM	1717.5	75	0	13.645	/	Pass
		1732.5	75	0	13.631	/	Pass
		1747.5	75	0	13.655	/	Pass
20	QPSK	1720	100	0	18.184	/	Pass
		1732.5	100	0	18.103	/	Pass
		1745	100	0	18.169	/	Pass
	16QAM	1720	100	0	18.199	/	Pass
		1732.5	100	0	18.145	/	Pass
		1745	100	0	18.283	/	Pass

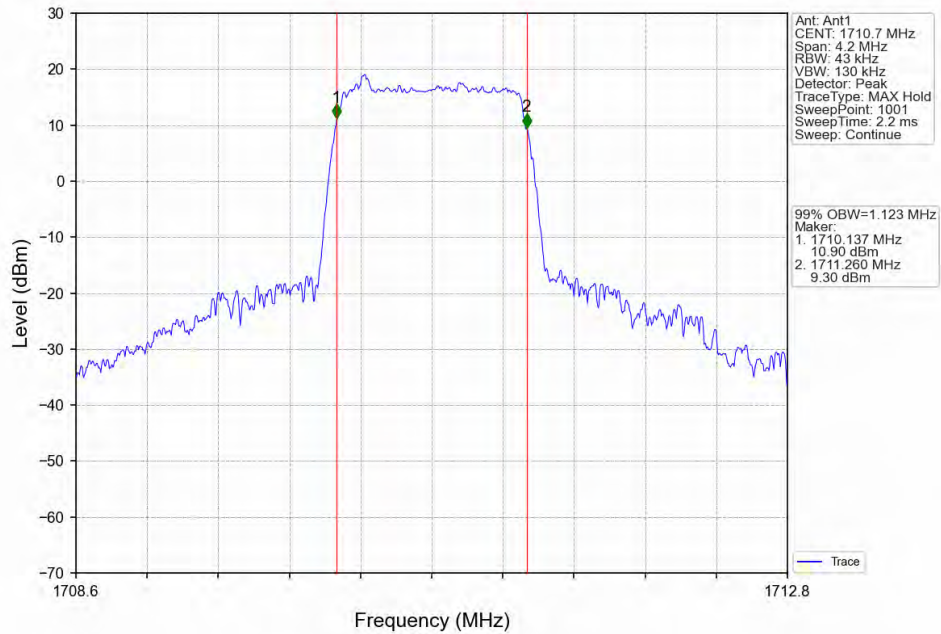
4.1.2 Test Graph



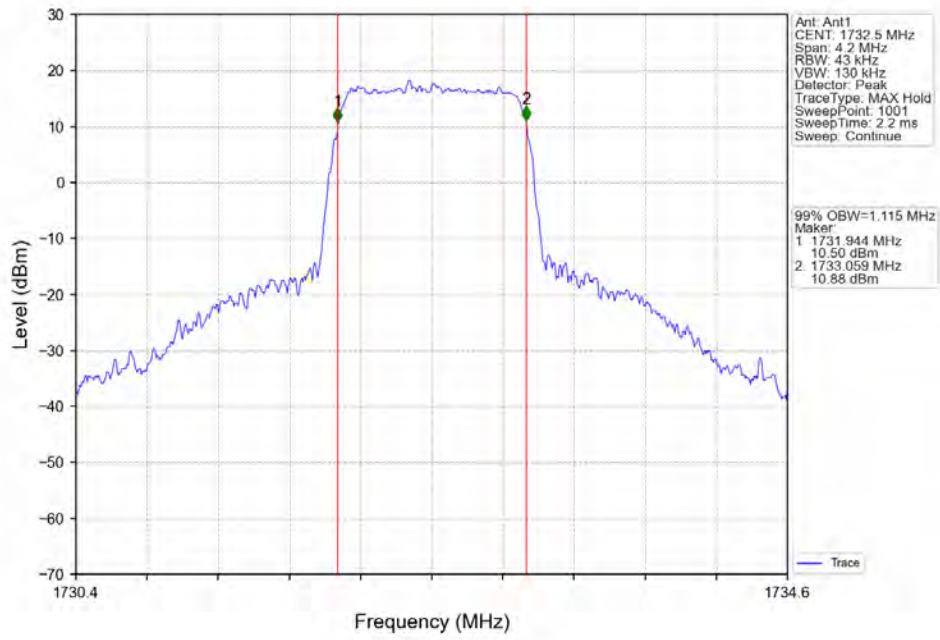
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



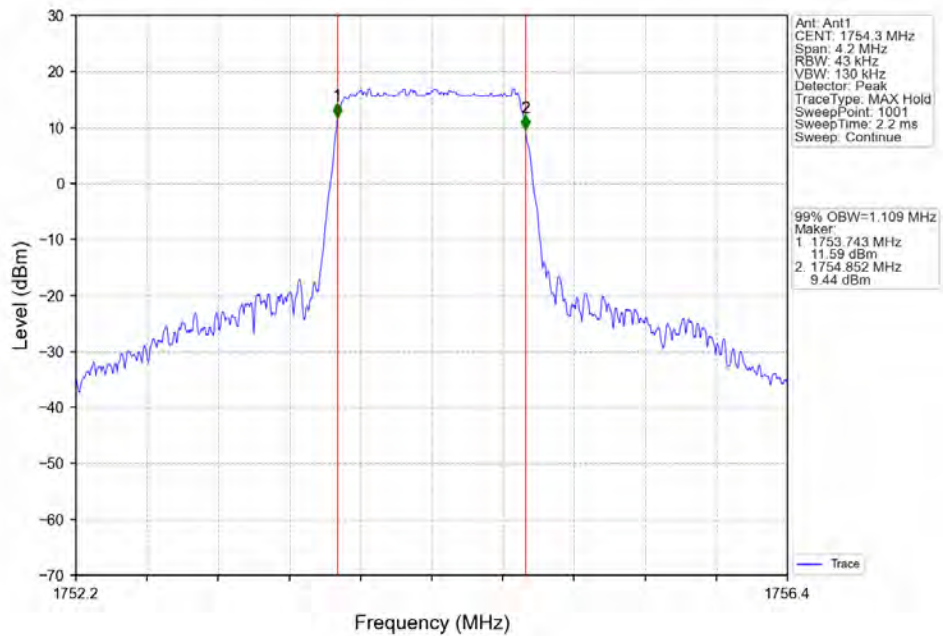
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



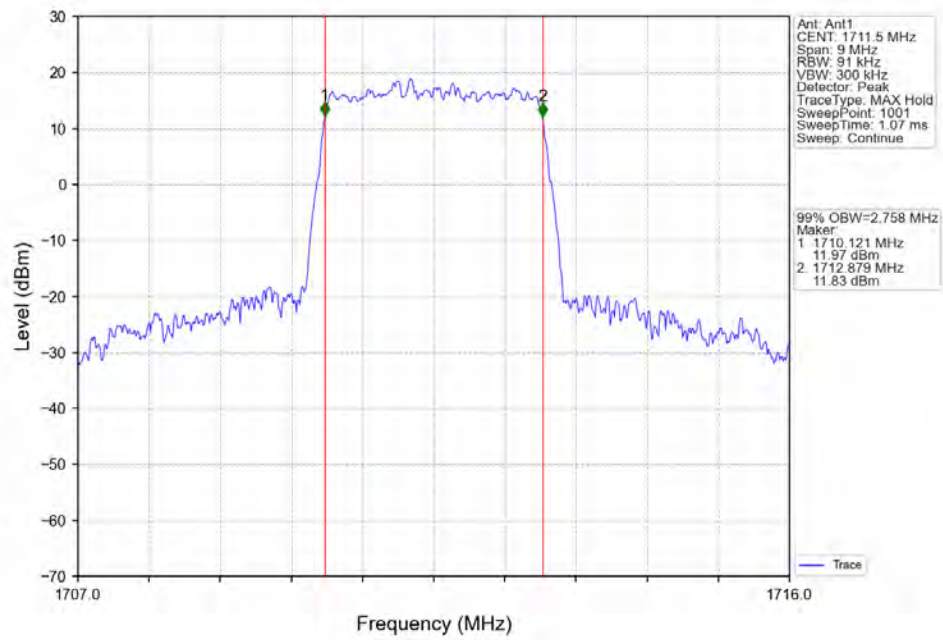
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



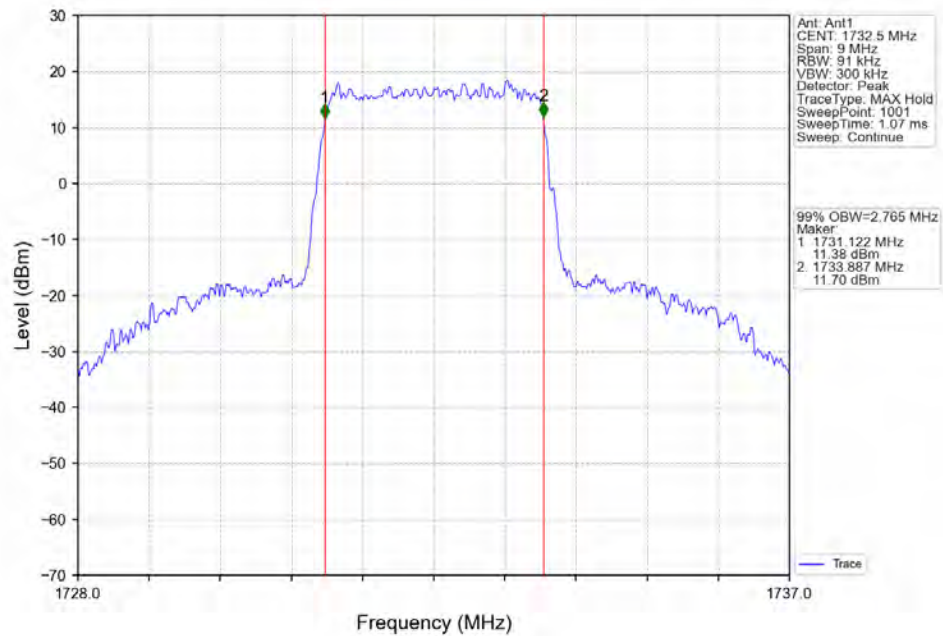
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



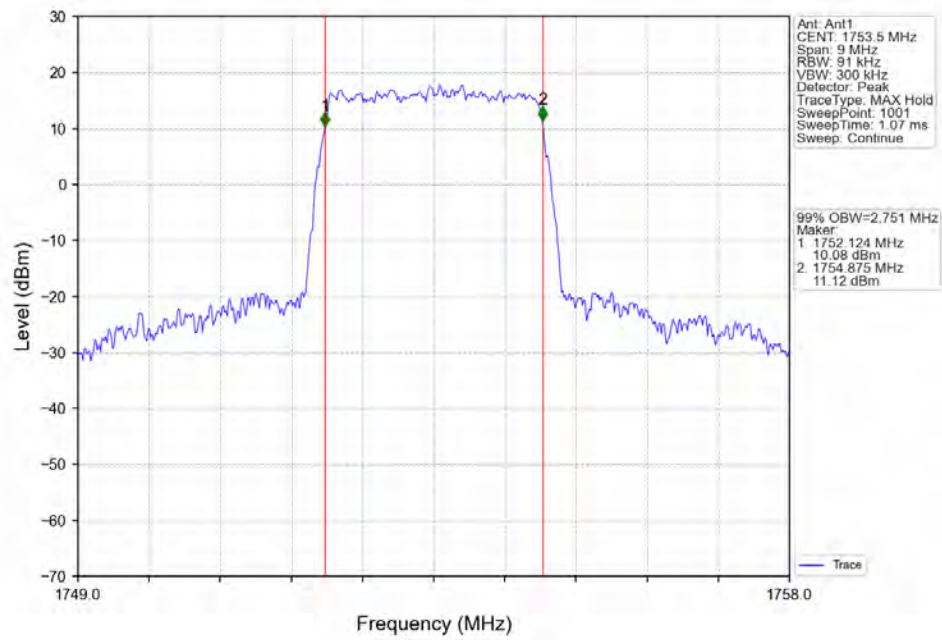
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



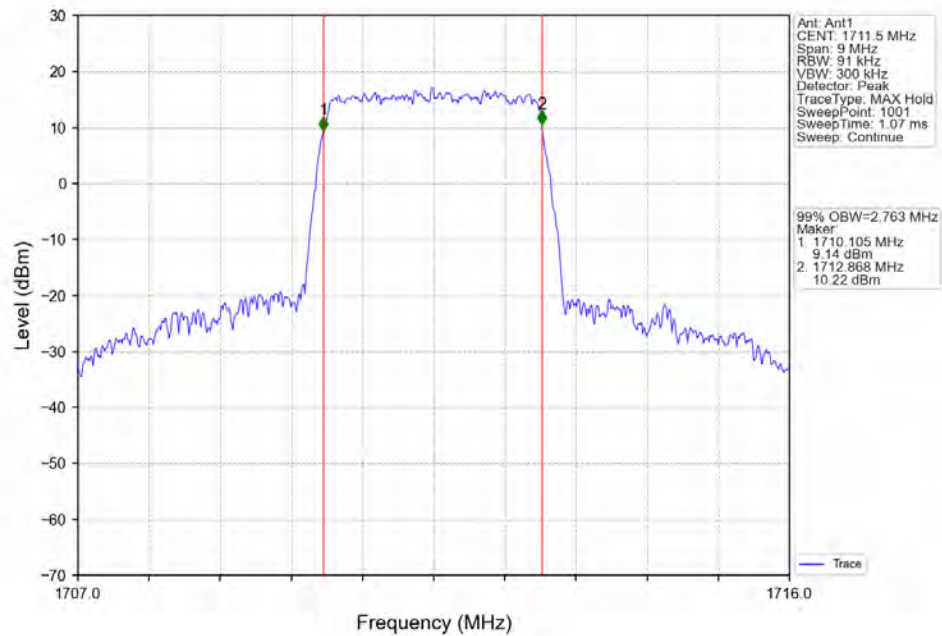
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



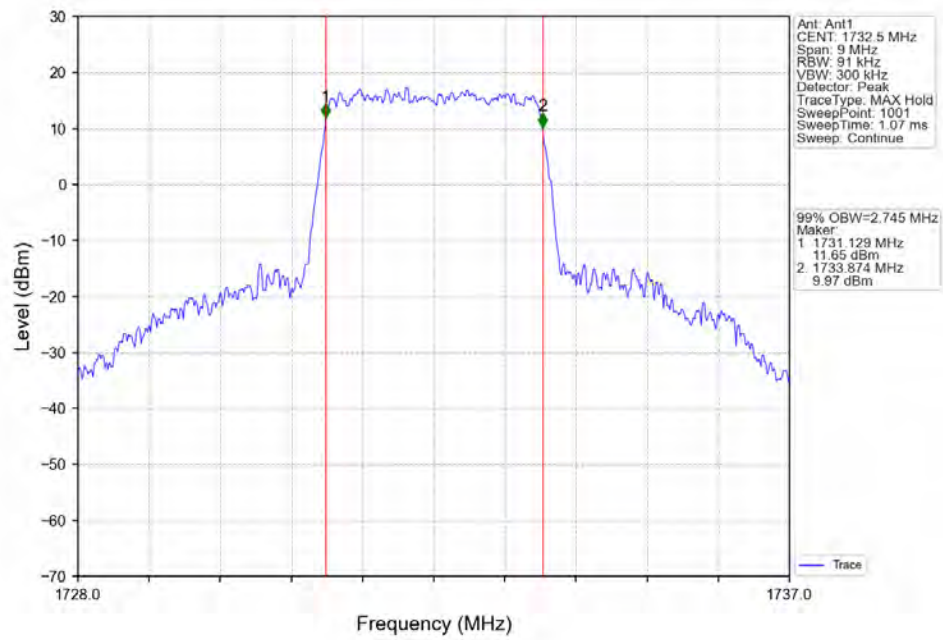
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTN



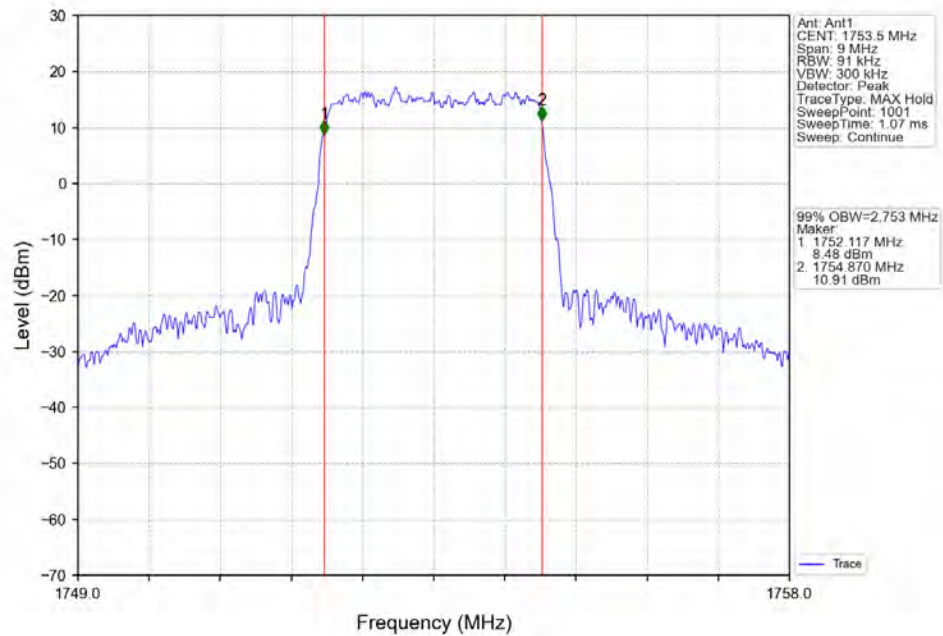
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTN



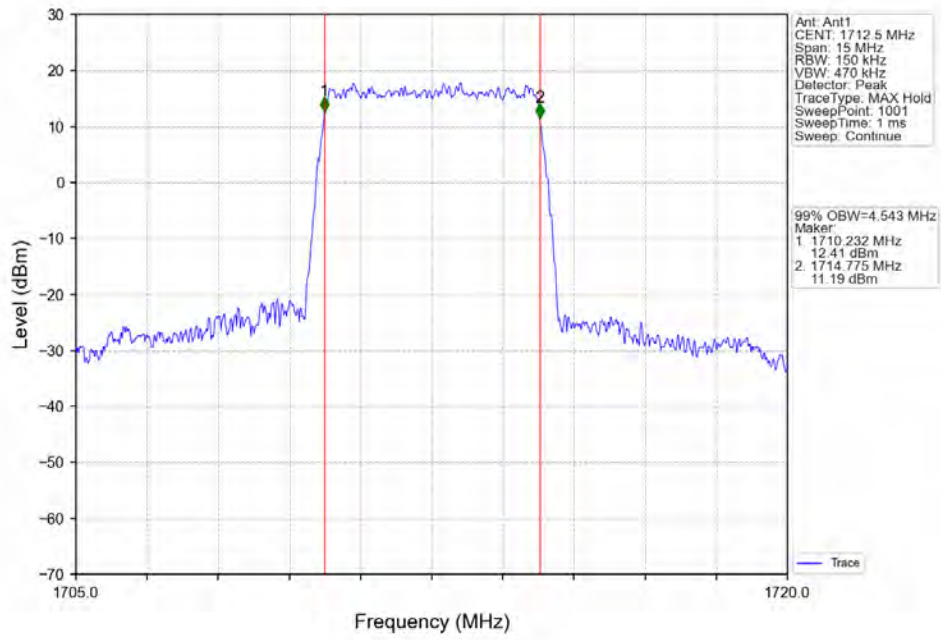
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



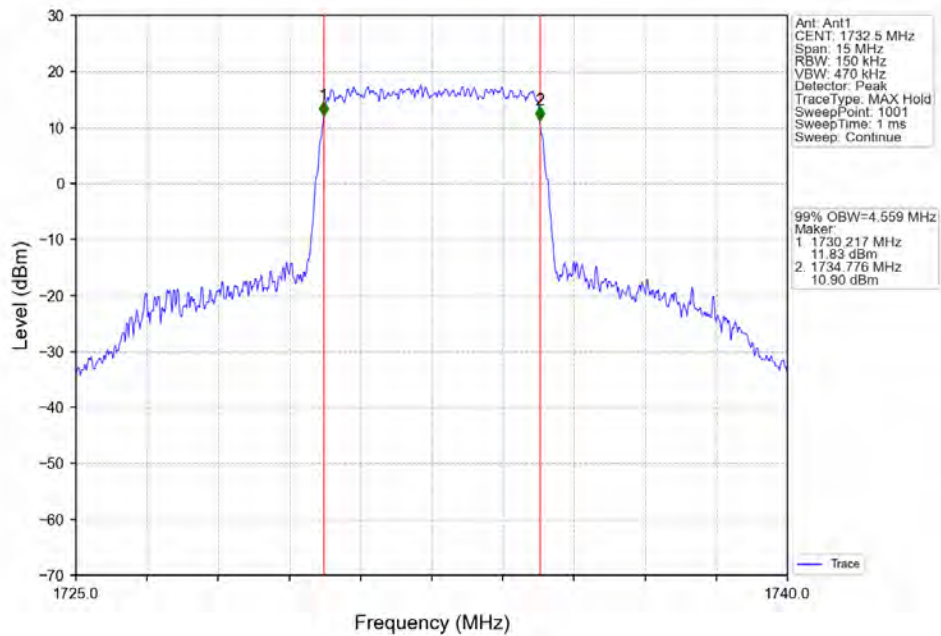
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



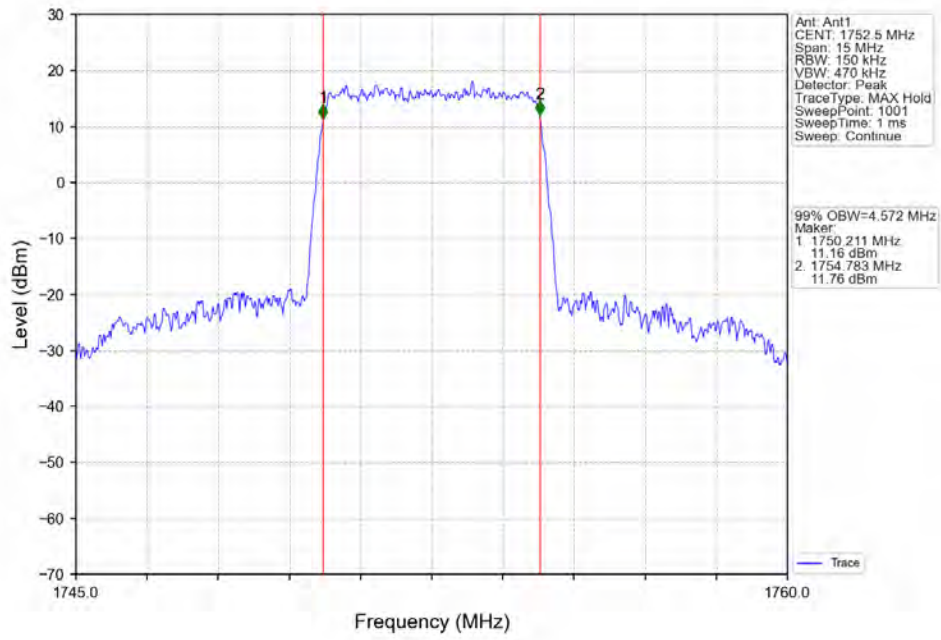
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



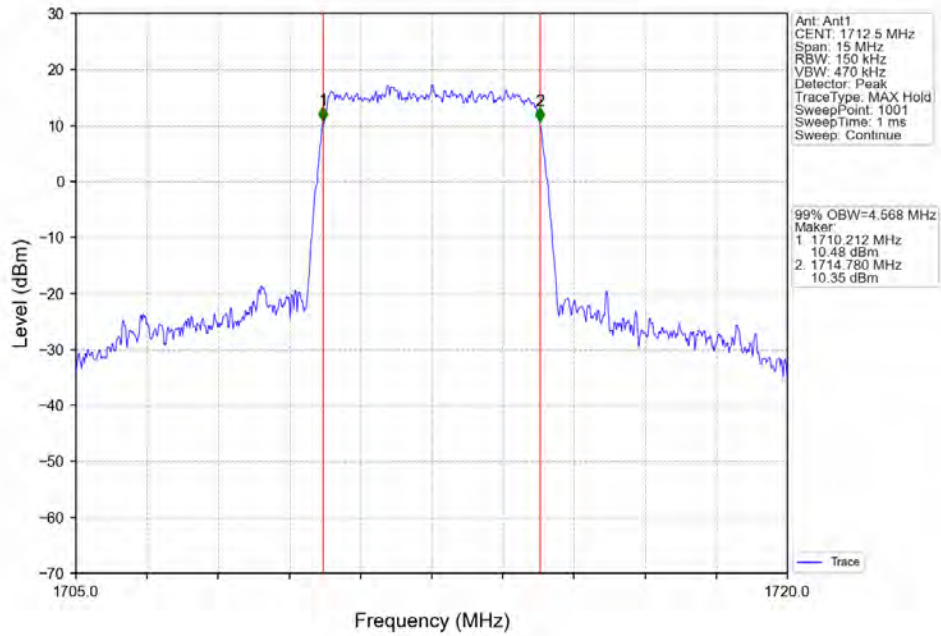
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



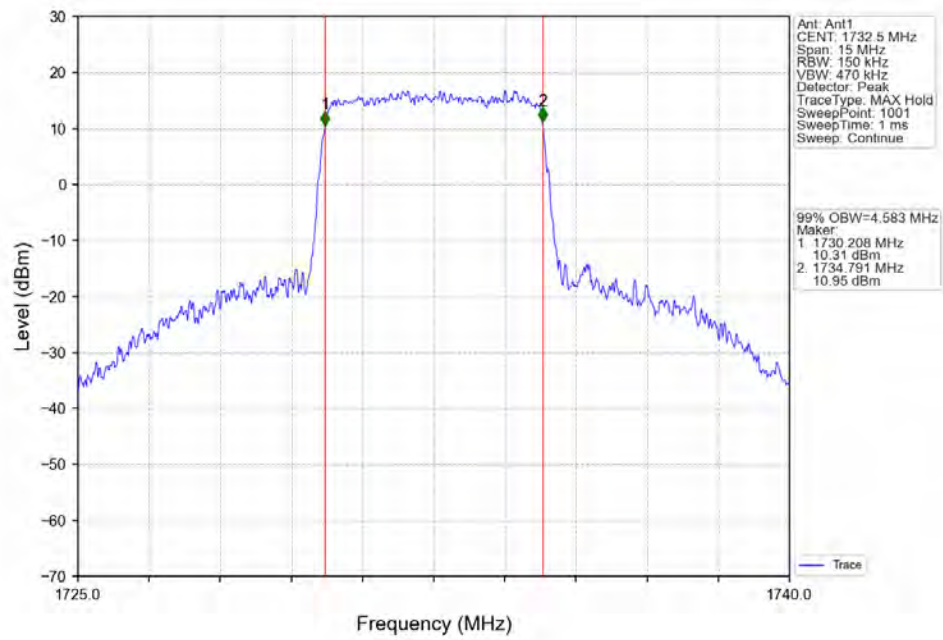
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



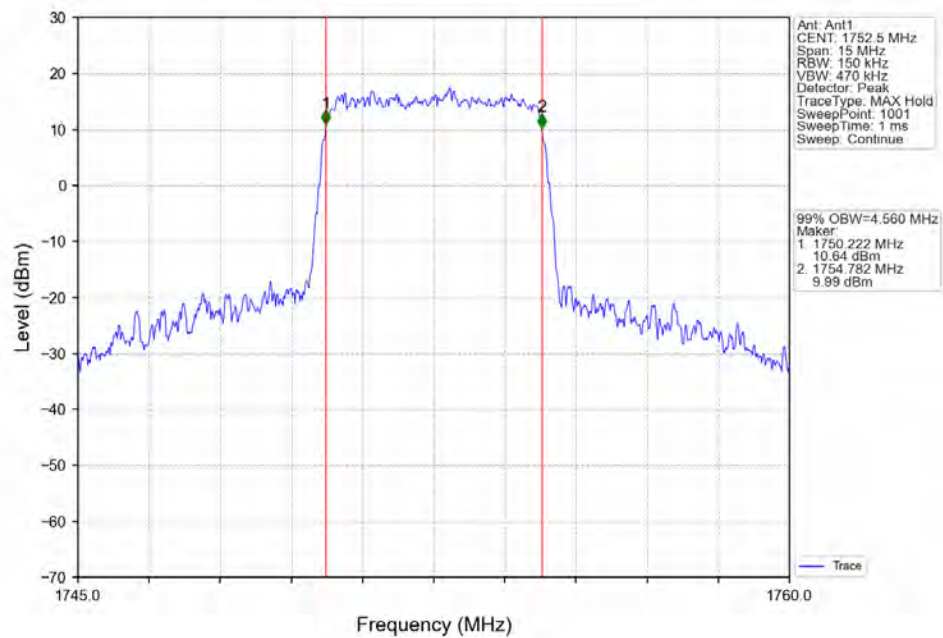
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



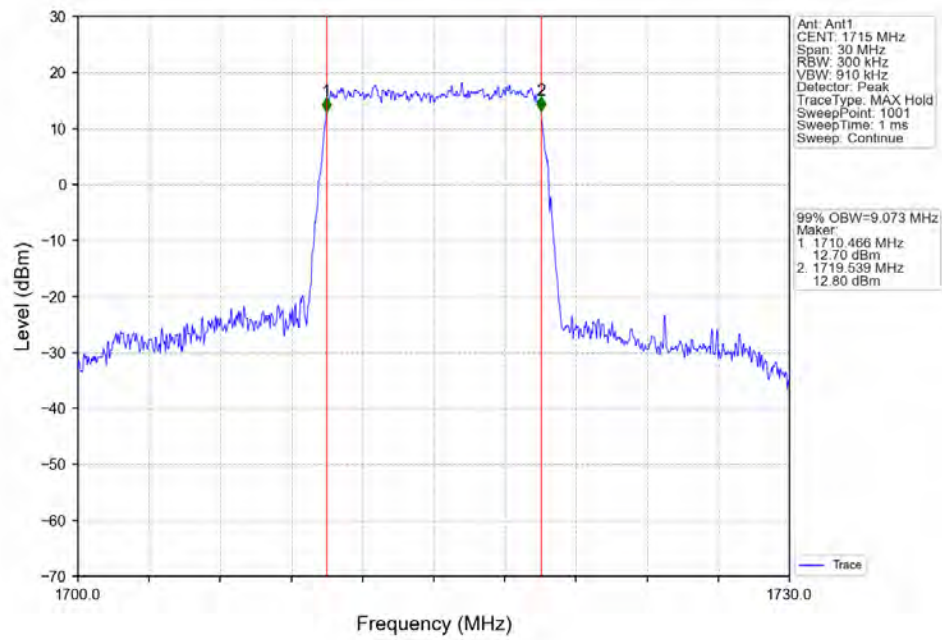
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



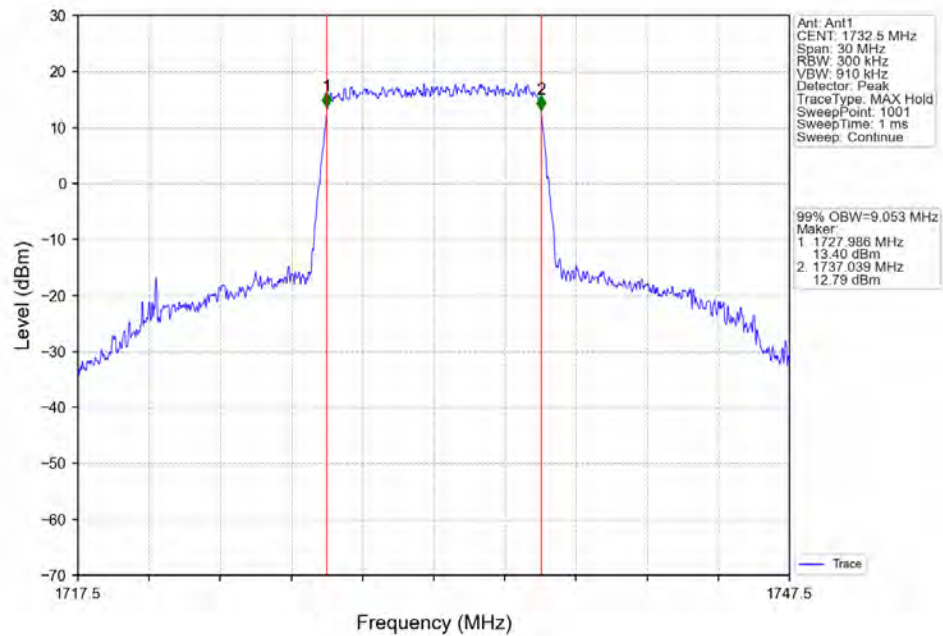
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



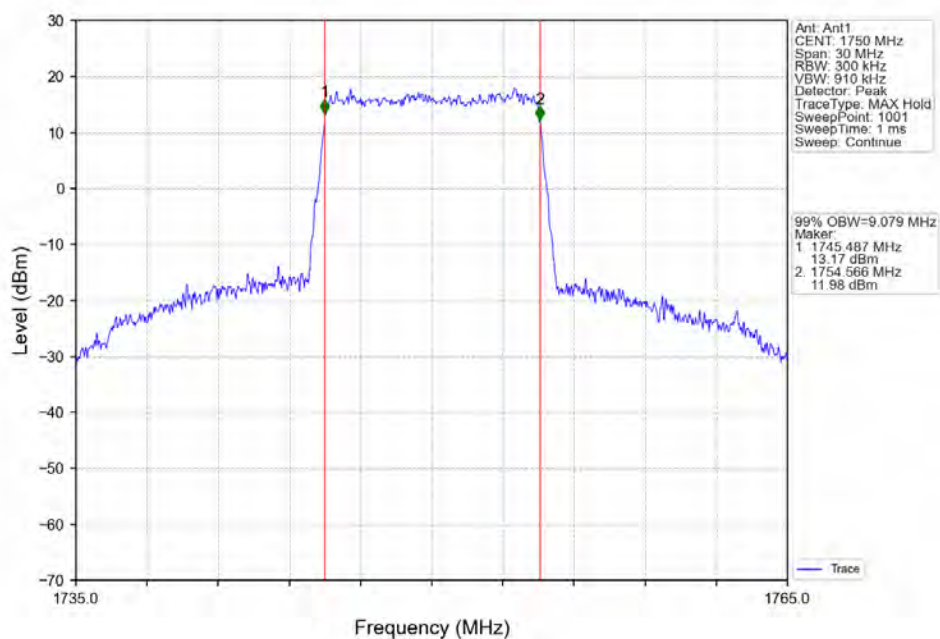
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



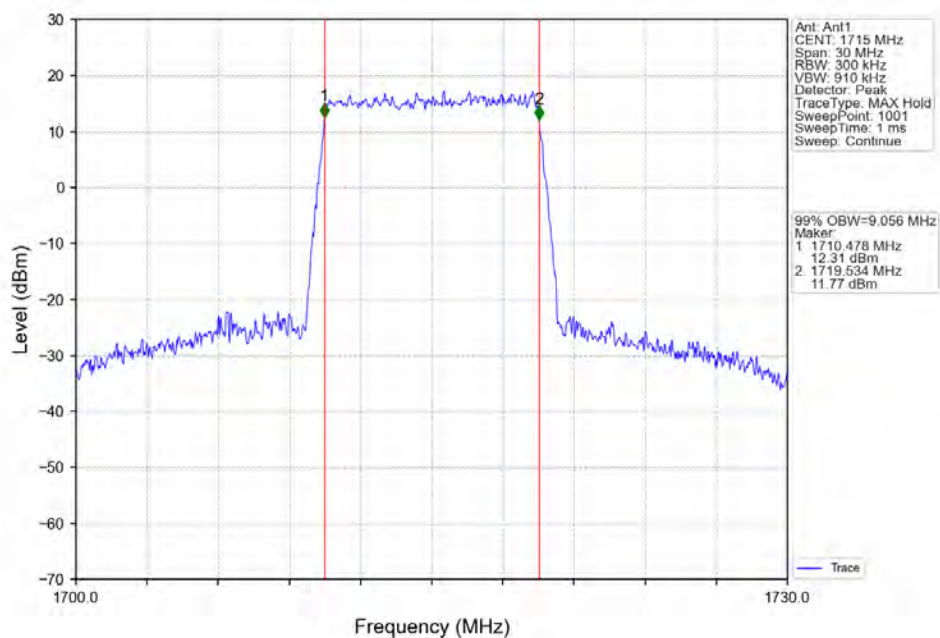
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTN



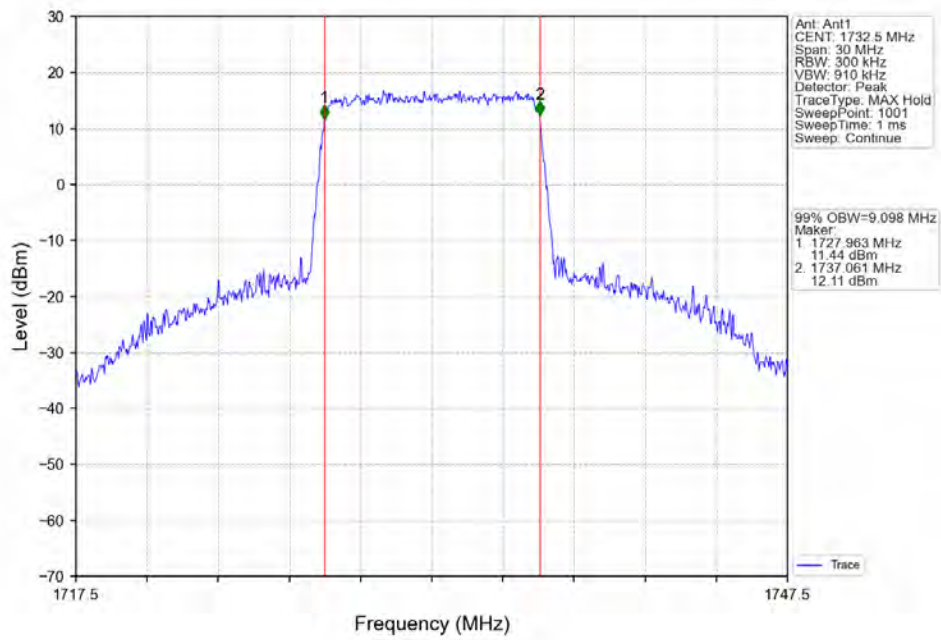
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



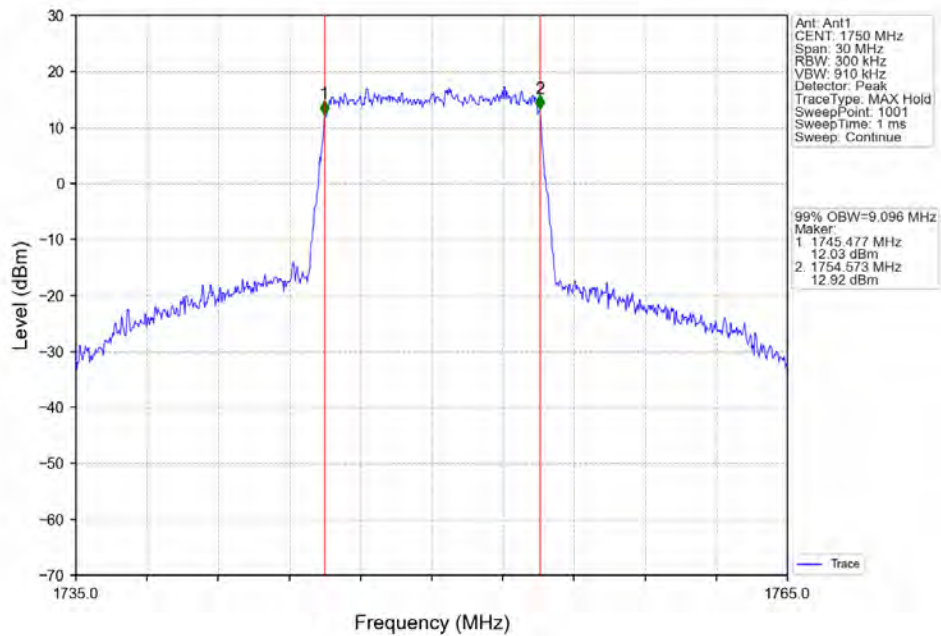
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



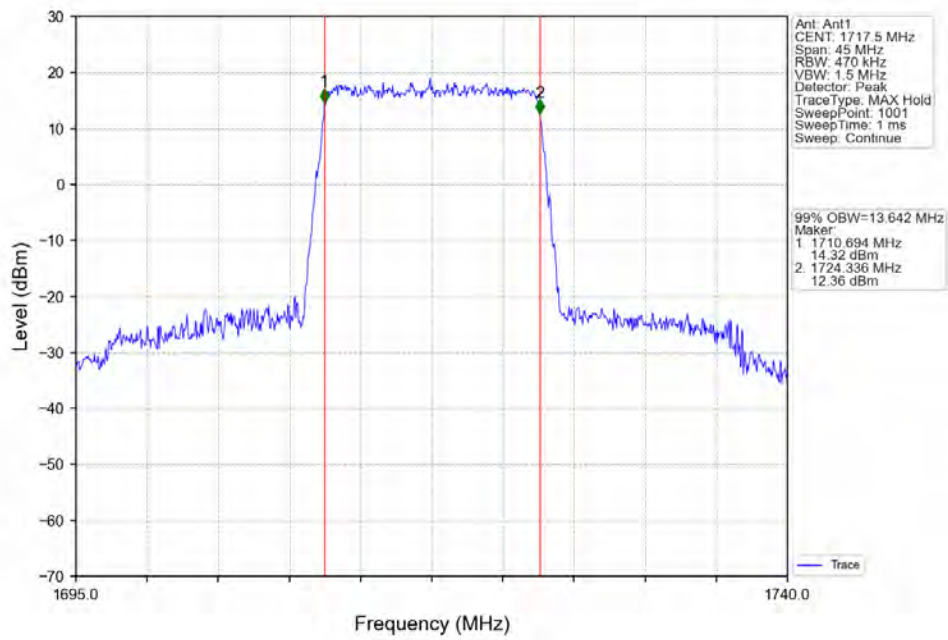
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



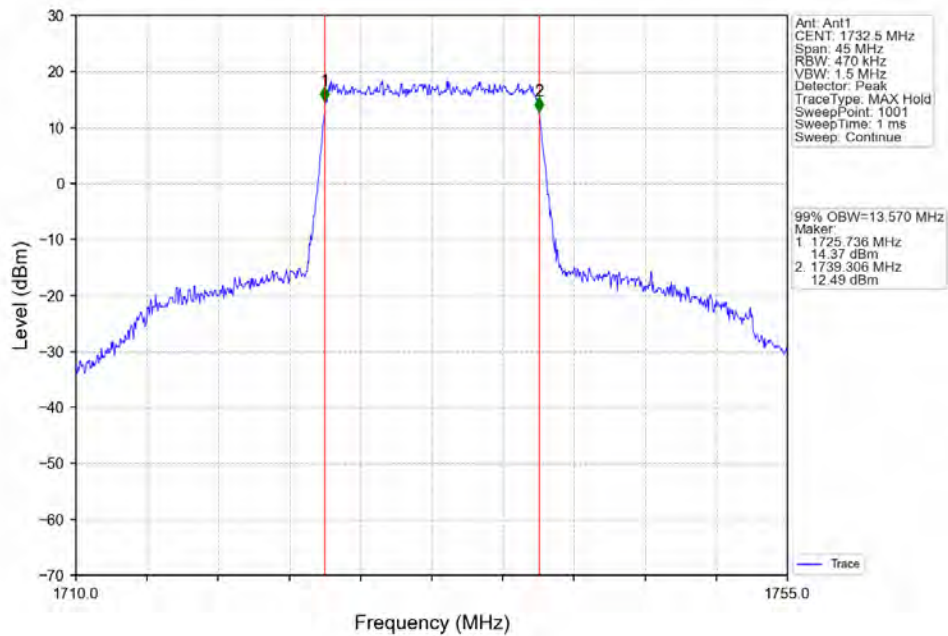
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



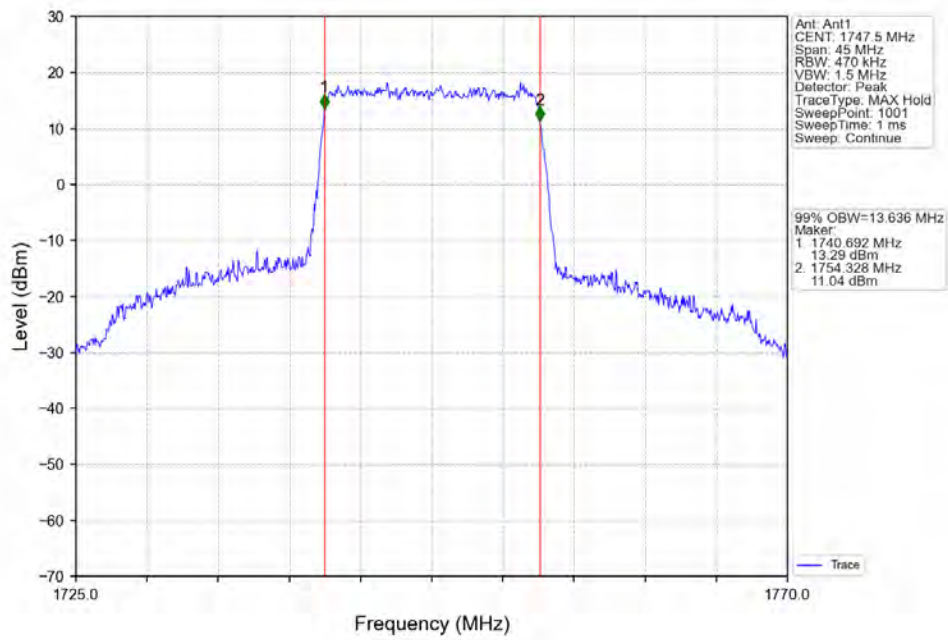
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



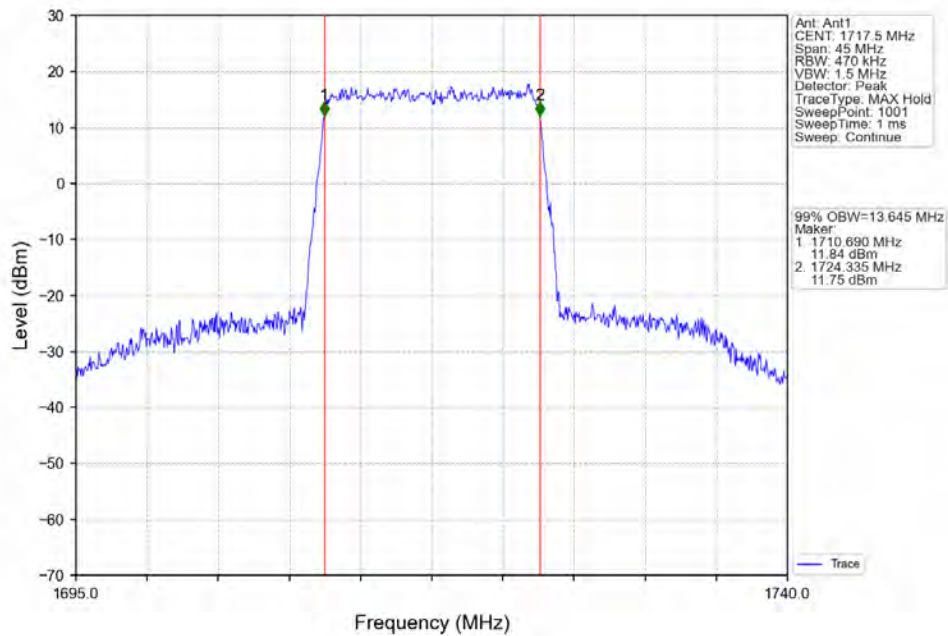
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



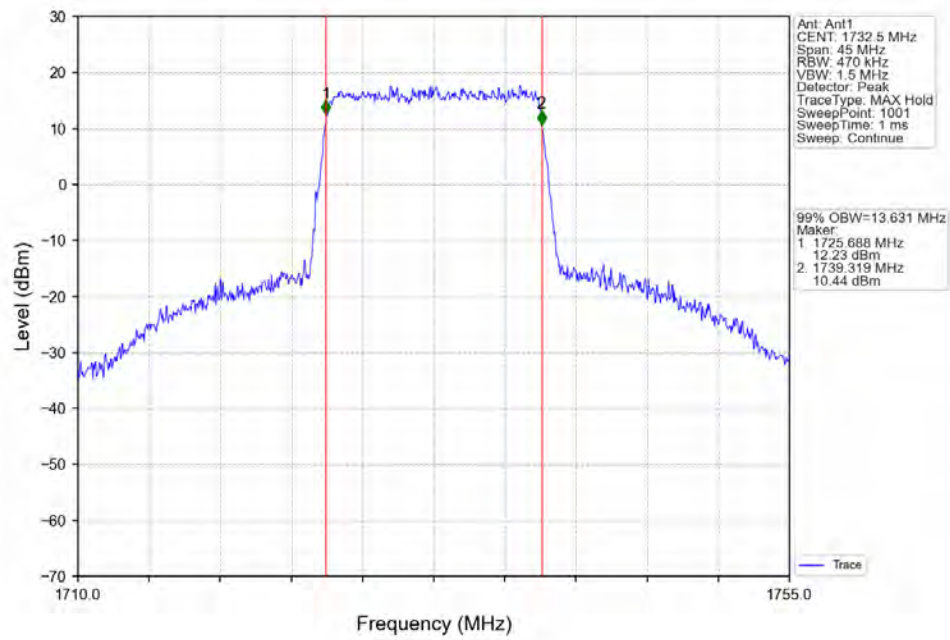
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



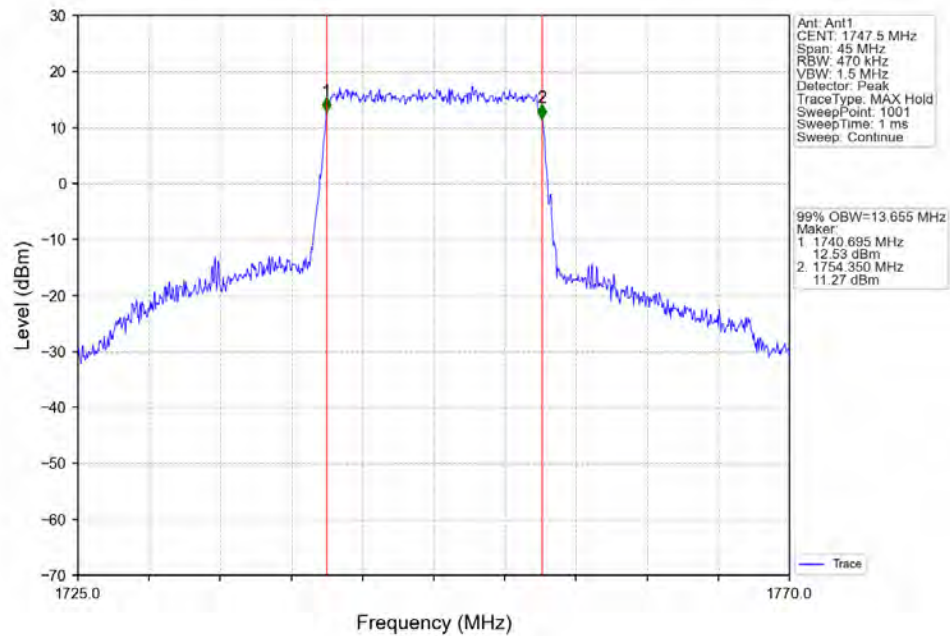
Band4_15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



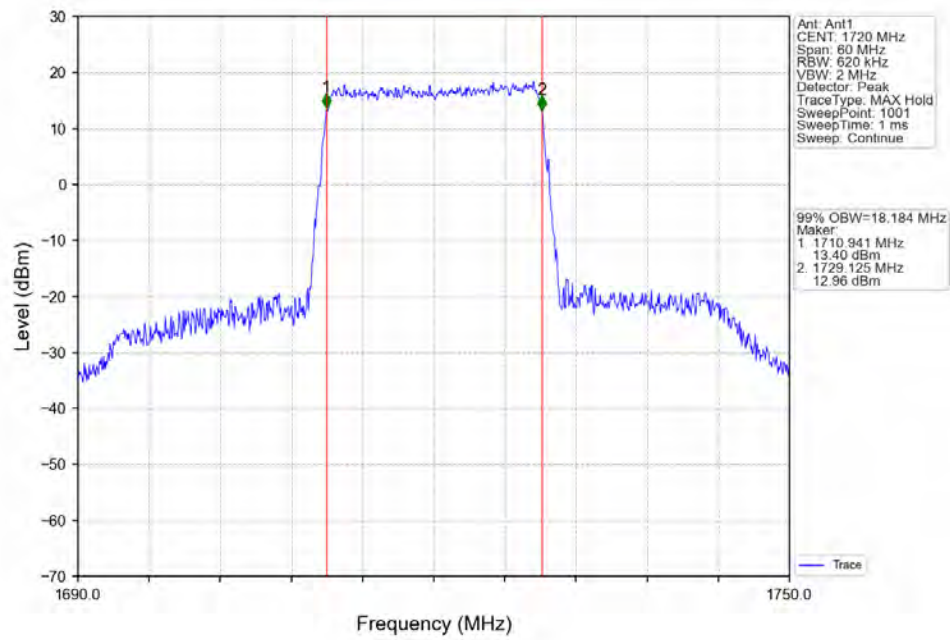
Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



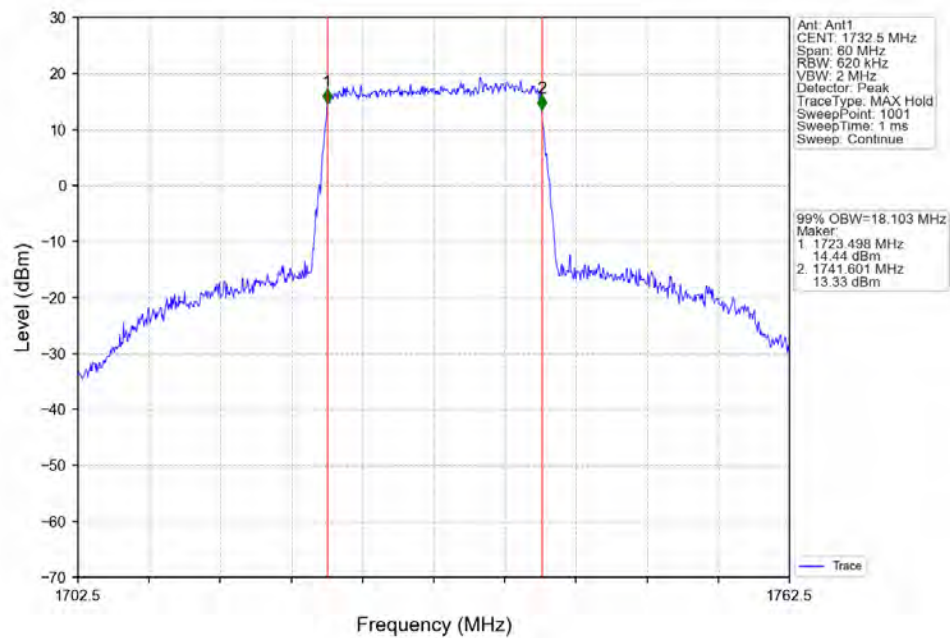
Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV



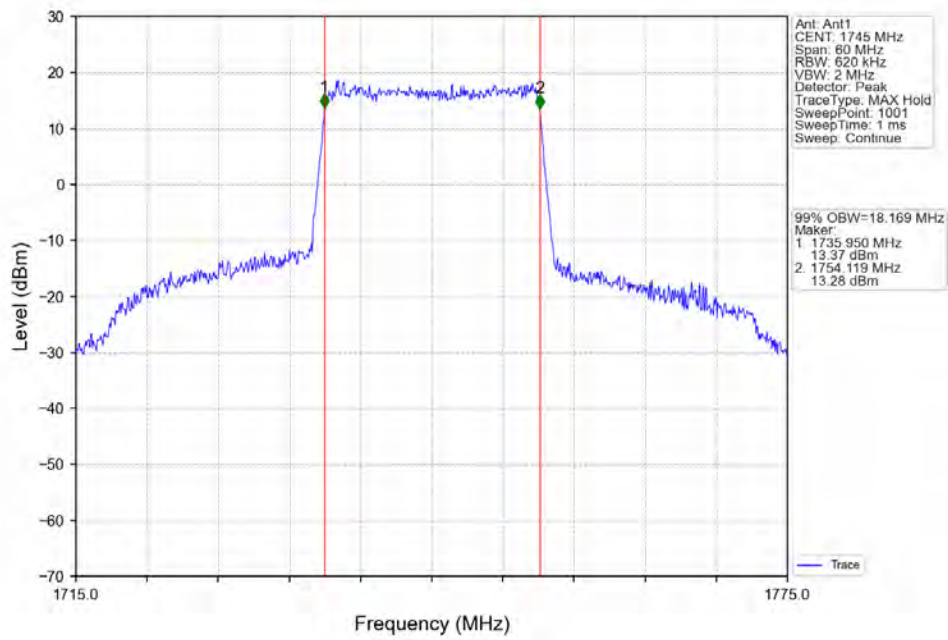
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



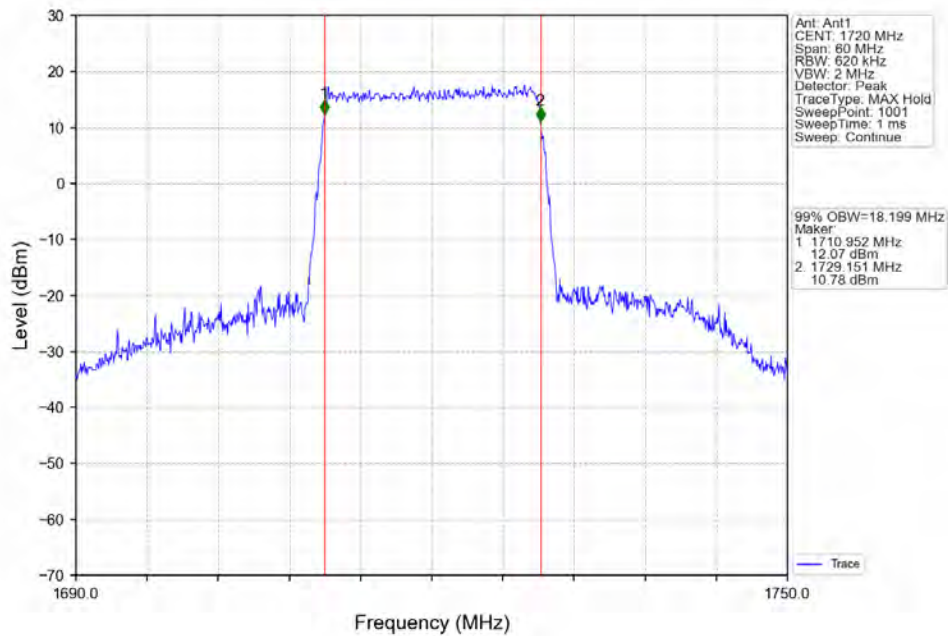
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



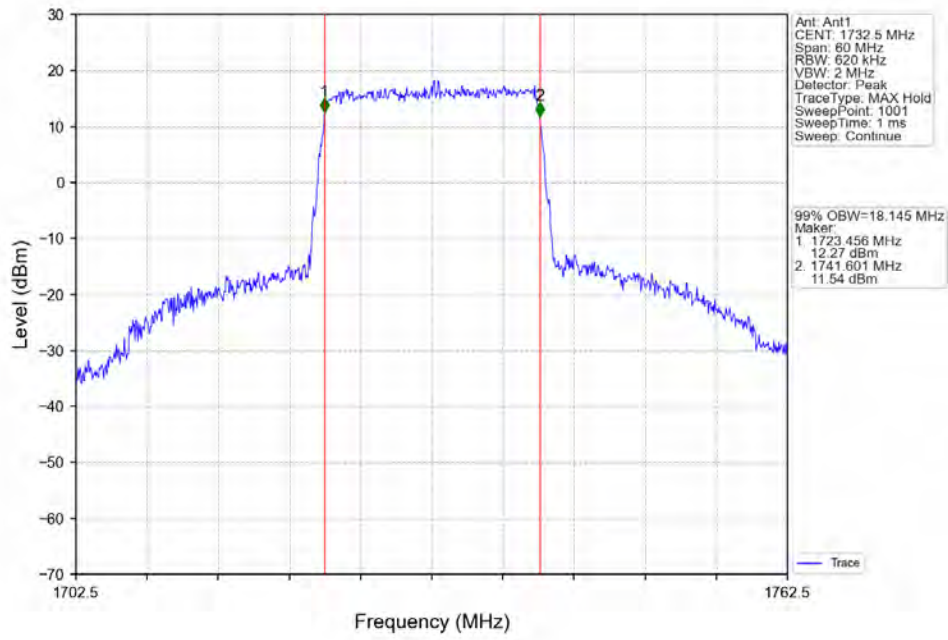
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



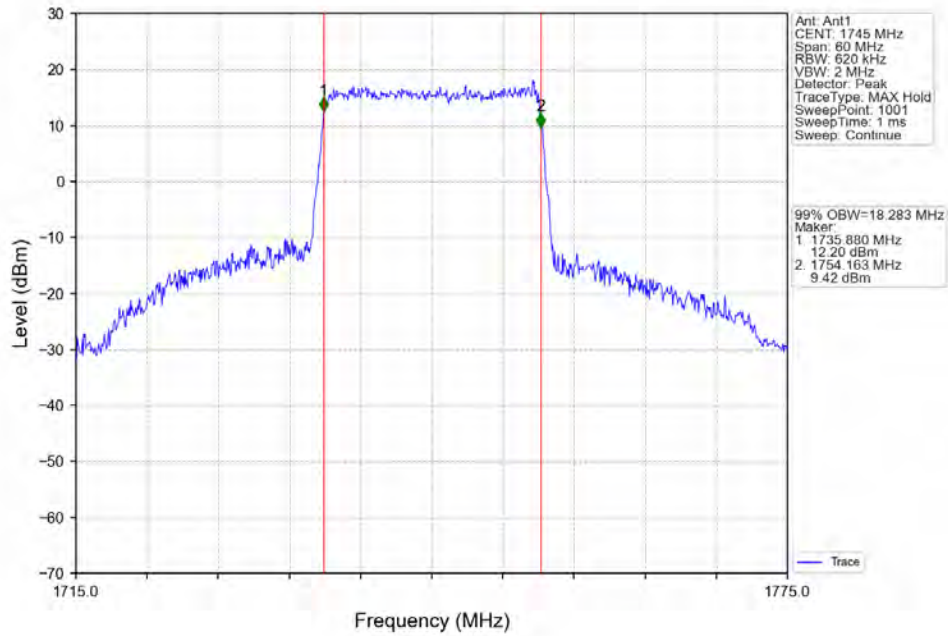
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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

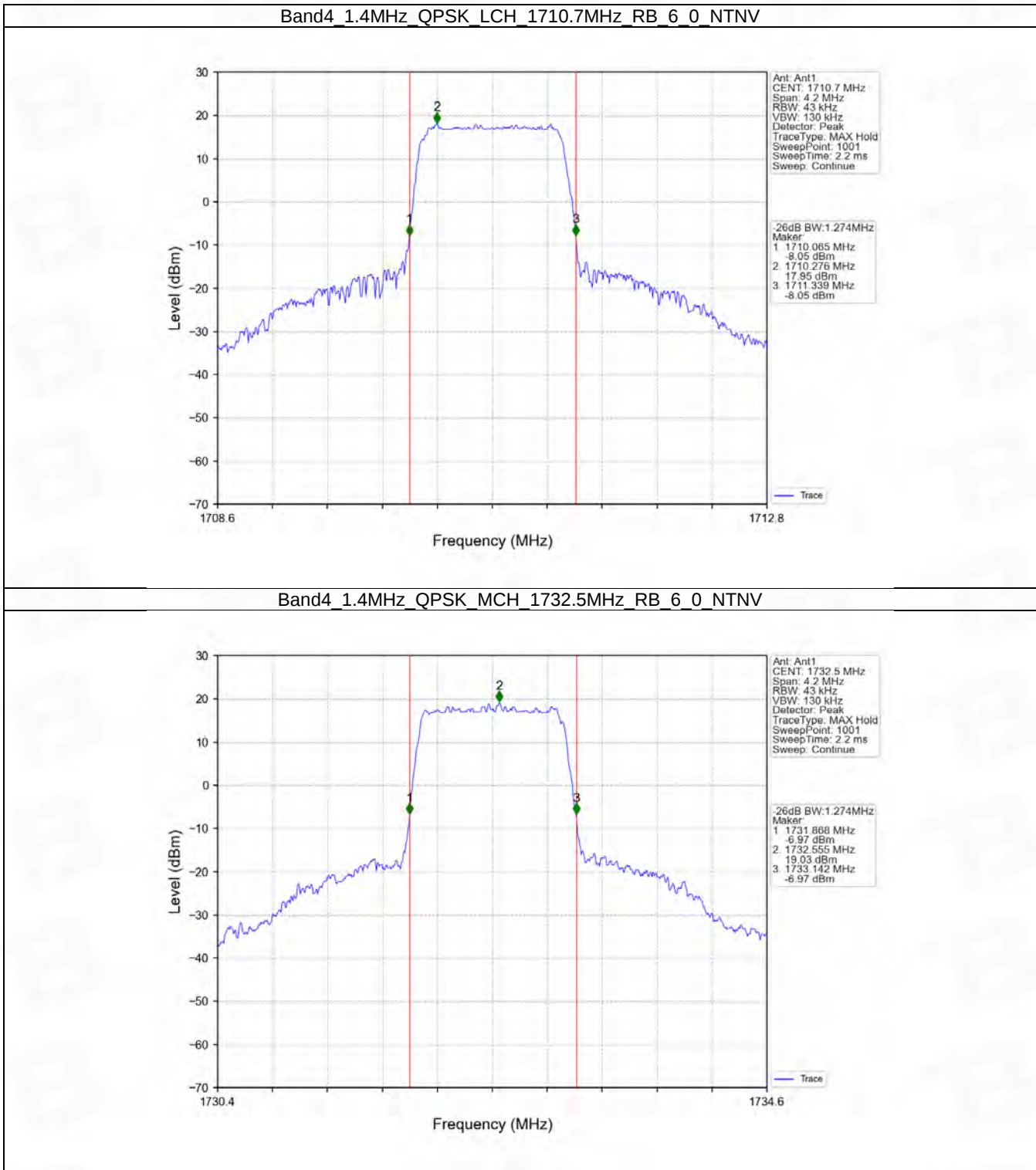


4.2 Band4_XDB

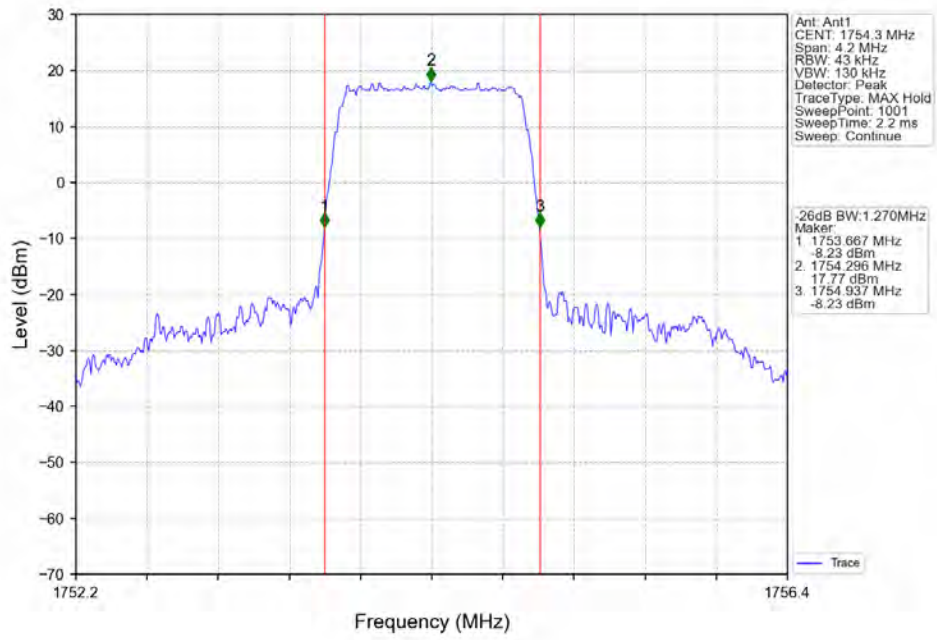
4.2.1 Test Result

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	1.274	/	Pass
		1732.5	6	0	1.274	/	Pass
		1754.3	6	0	1.270	/	Pass
	16QAM	1710.7	6	0	1.269	/	Pass
		1732.5	6	0	1.275	/	Pass
		1754.3	6	0	1.267	/	Pass
3	QPSK	1711.5	15	0	3.096	/	Pass
		1732.5	15	0	3.114	/	Pass
		1753.5	15	0	3.097	/	Pass
	16QAM	1711.5	15	0	3.140	/	Pass
		1732.5	15	0	3.099	/	Pass
		1753.5	15	0	3.082	/	Pass
5	QPSK	1712.5	25	0	5.059	/	Pass
		1732.5	25	0	5.058	/	Pass
		1752.5	25	0	5.058	/	Pass
	16QAM	1712.5	25	0	5.050	/	Pass
		1732.5	25	0	5.052	/	Pass
		1752.5	25	0	5.058	/	Pass
10	QPSK	1715	50	0	10.053	/	Pass
		1732.5	50	0	10.085	/	Pass
		1750	50	0	10.045	/	Pass
	16QAM	1715	50	0	10.066	/	Pass
		1732.5	50	0	10.064	/	Pass
		1750	50	0	10.073	/	Pass
15	QPSK	1717.5	75	0	15.145	/	Pass
		1732.5	75	0	15.143	/	Pass
		1747.5	75	0	15.038	/	Pass
	16QAM	1717.5	75	0	15.254	/	Pass
		1732.5	75	0	15.206	/	Pass
		1747.5	75	0	15.091	/	Pass
20	QPSK	1720	100	0	20.104	/	Pass
		1732.5	100	0	20.076	/	Pass
		1745	100	0	20.030	/	Pass
	16QAM	1720	100	0	19.954	/	Pass
		1732.5	100	0	20.114	/	Pass
		1745	100	0	19.994	/	Pass

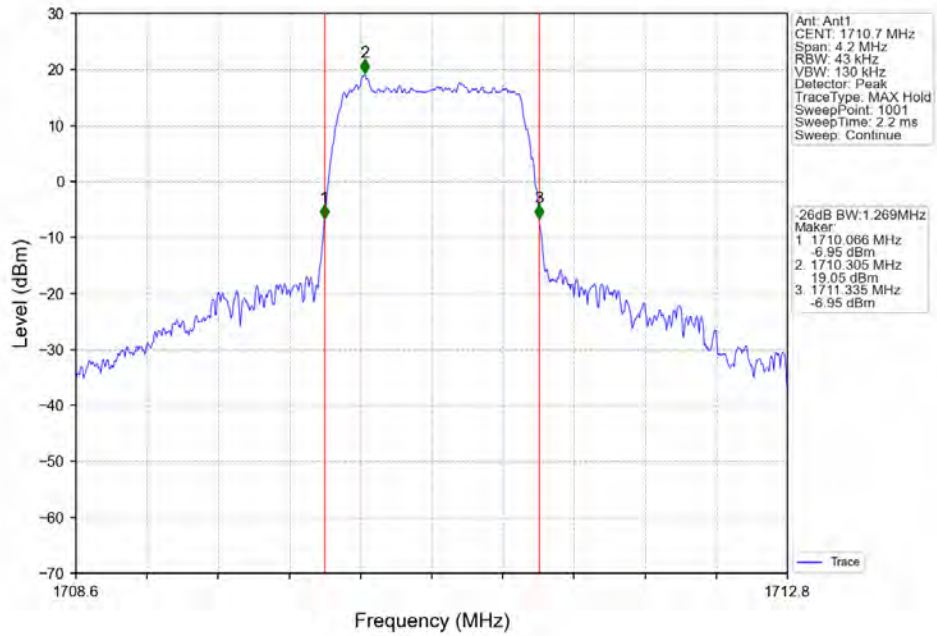
4.2.2 Test Graph



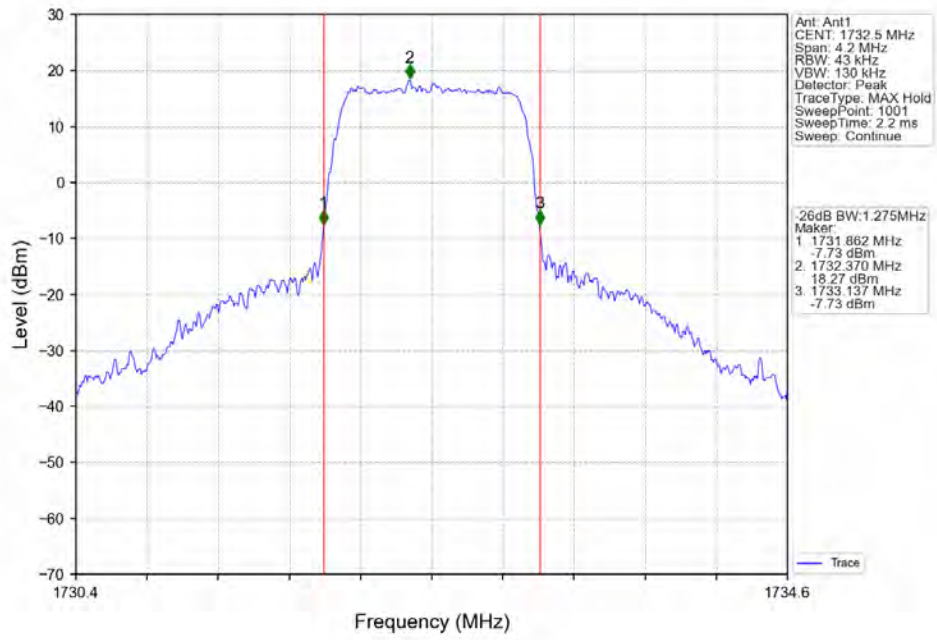
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



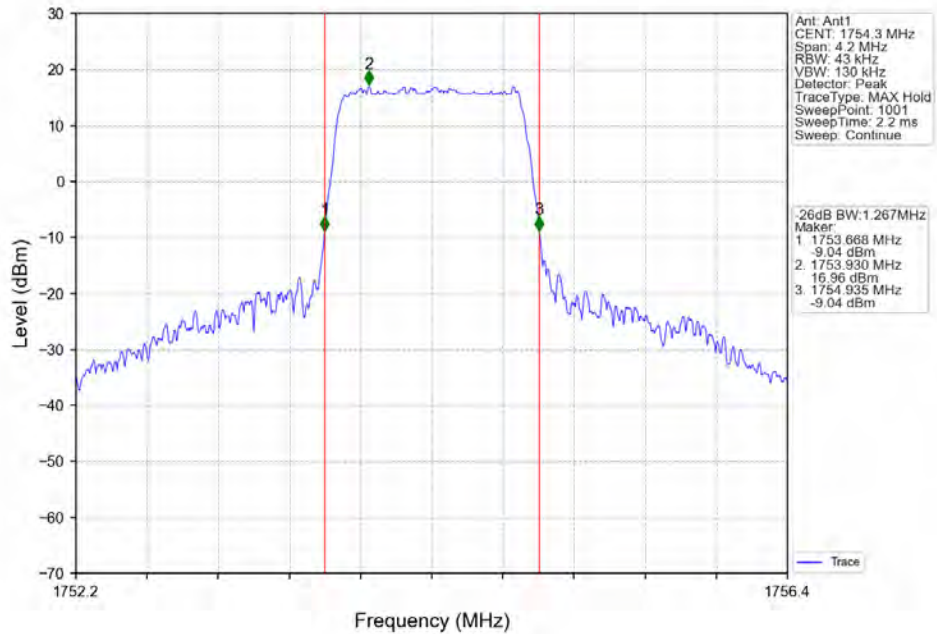
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



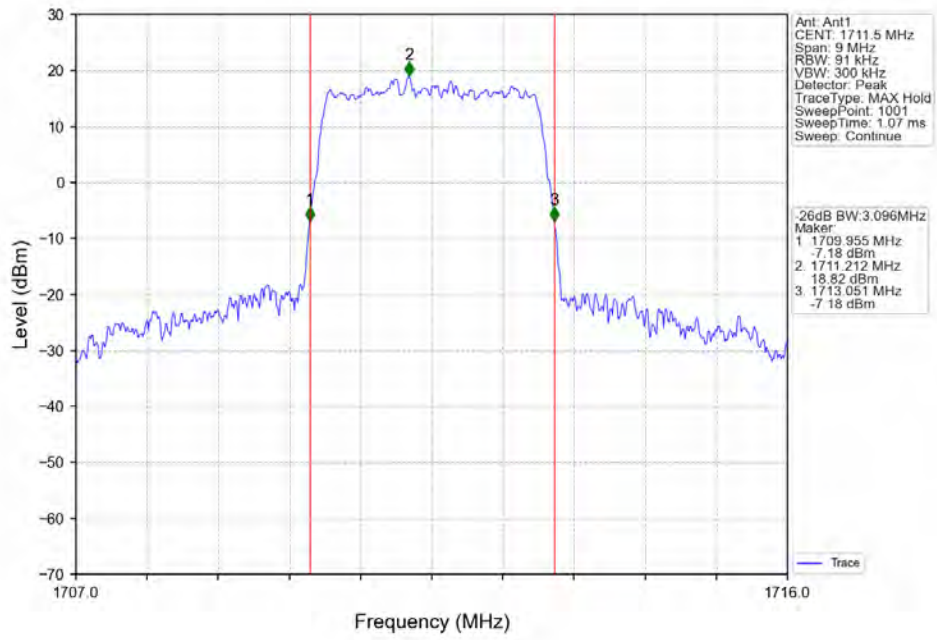
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV



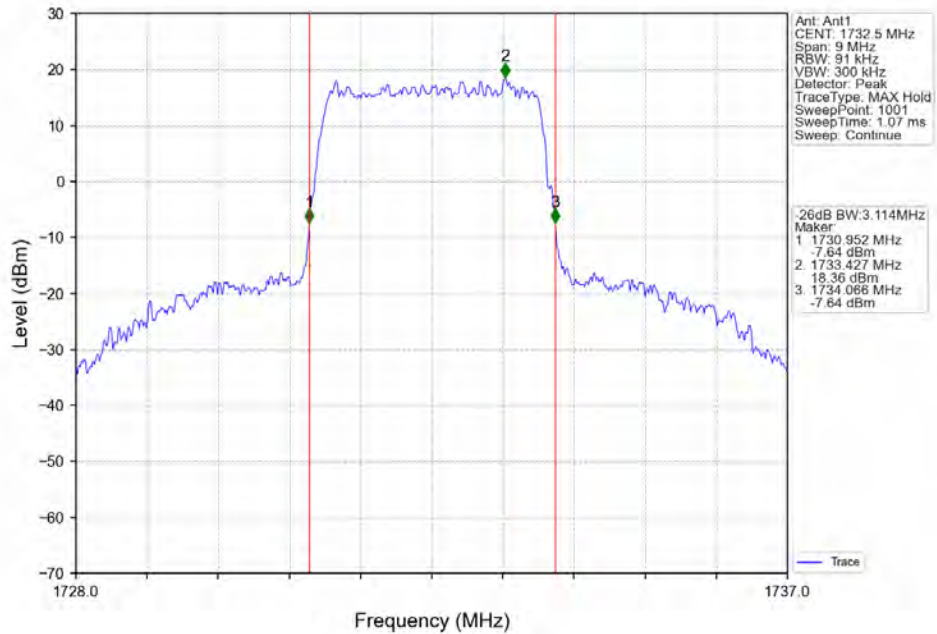
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV



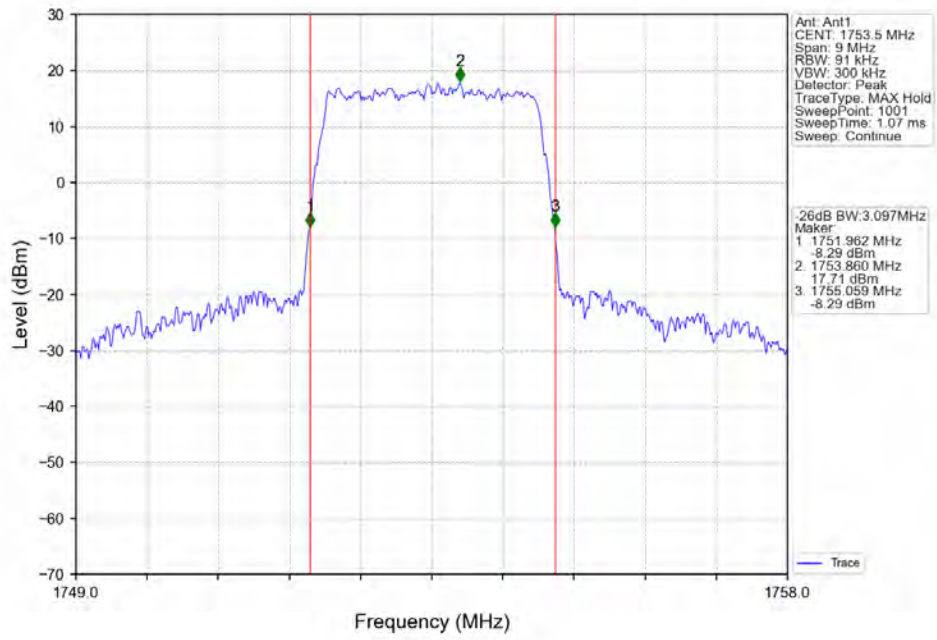
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



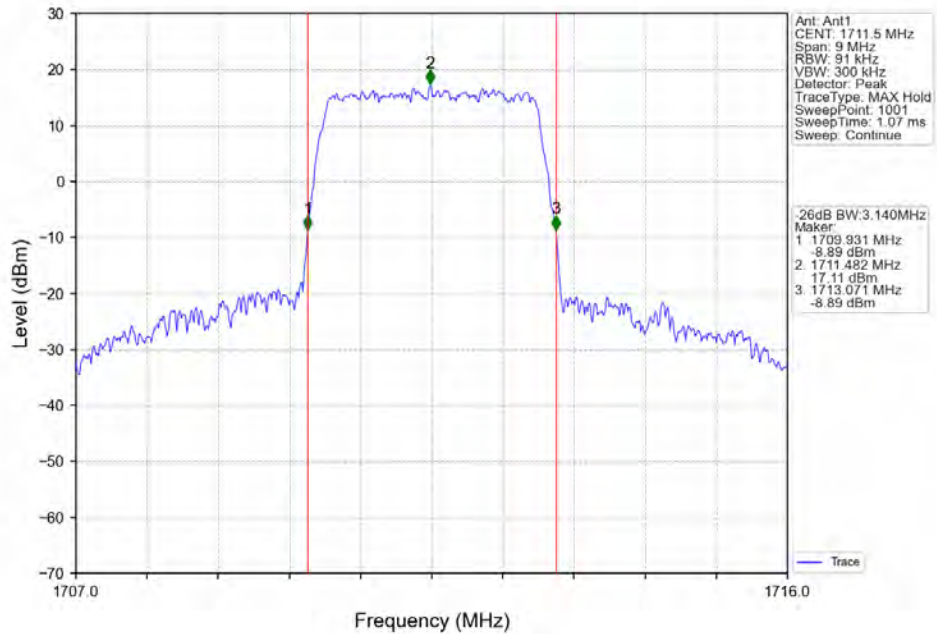
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



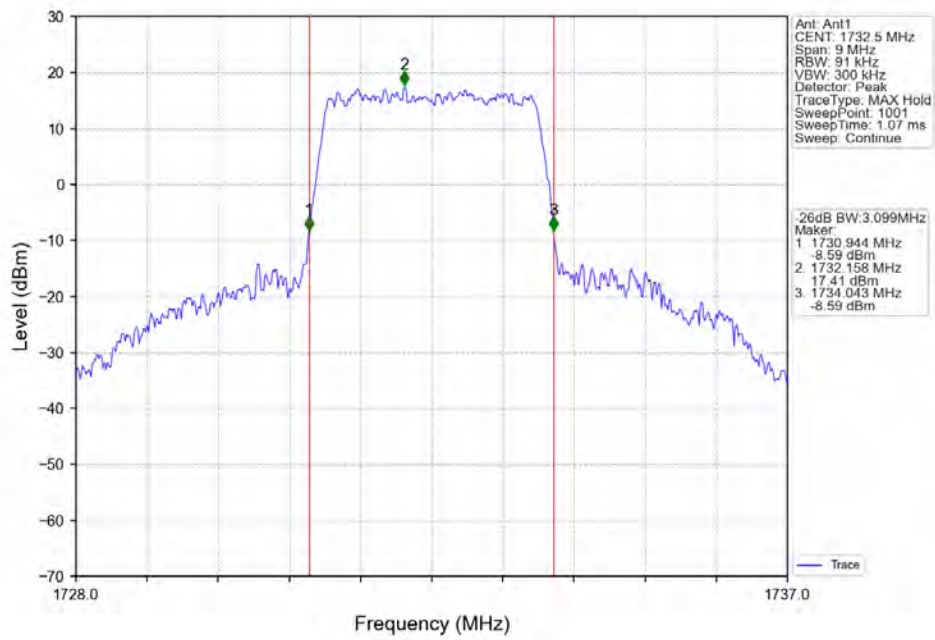
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTN



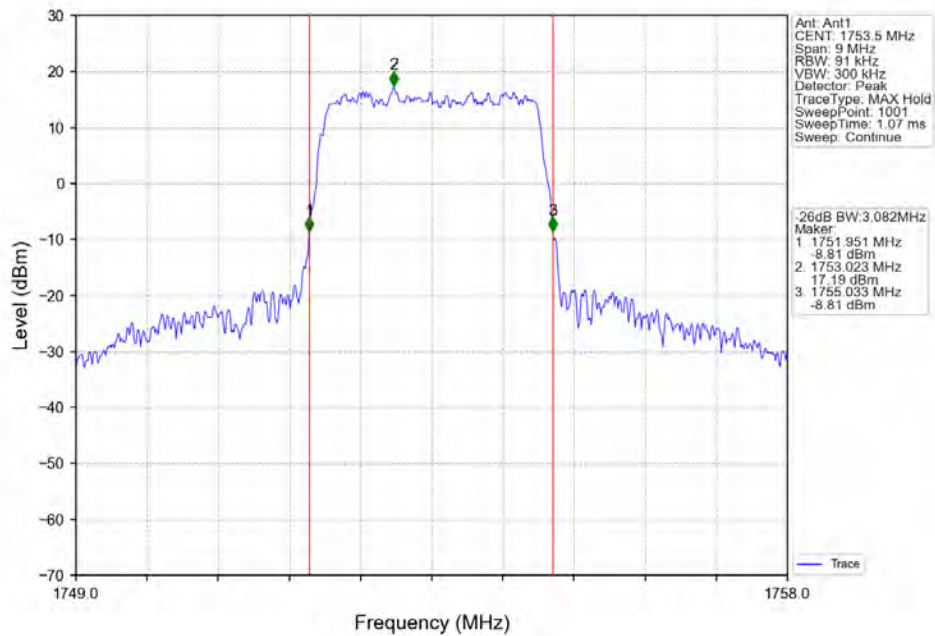
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTN



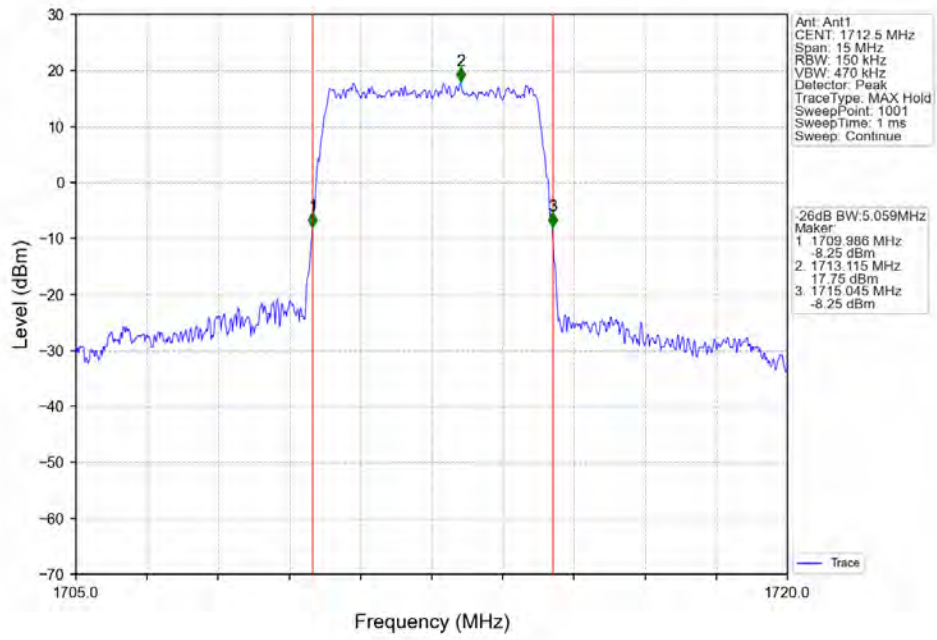
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



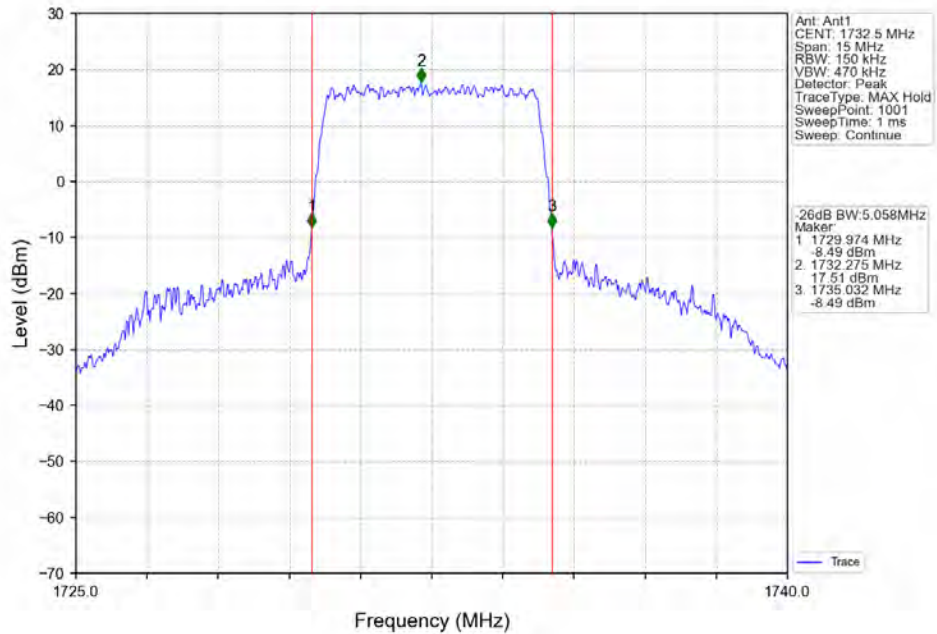
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



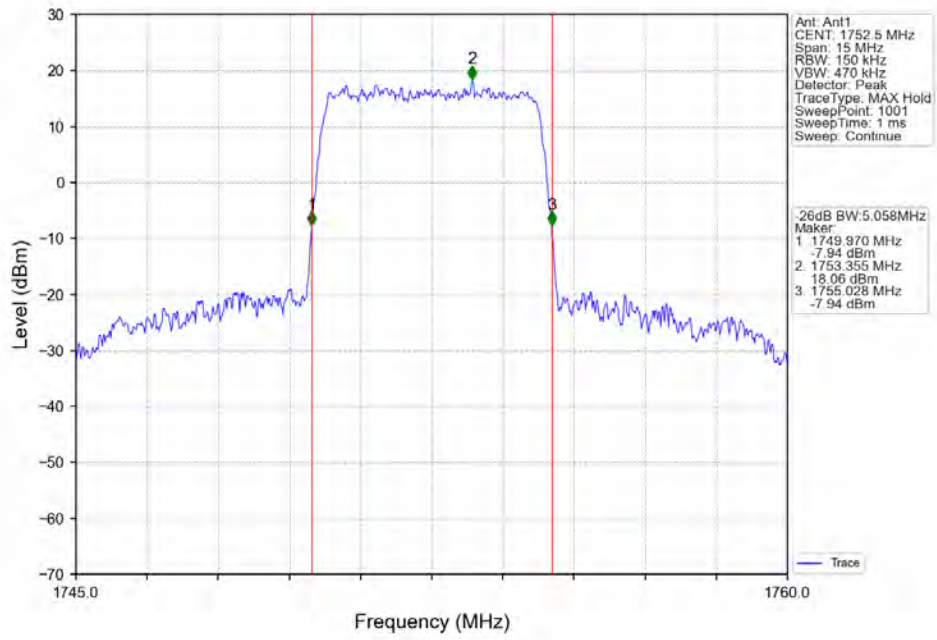
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



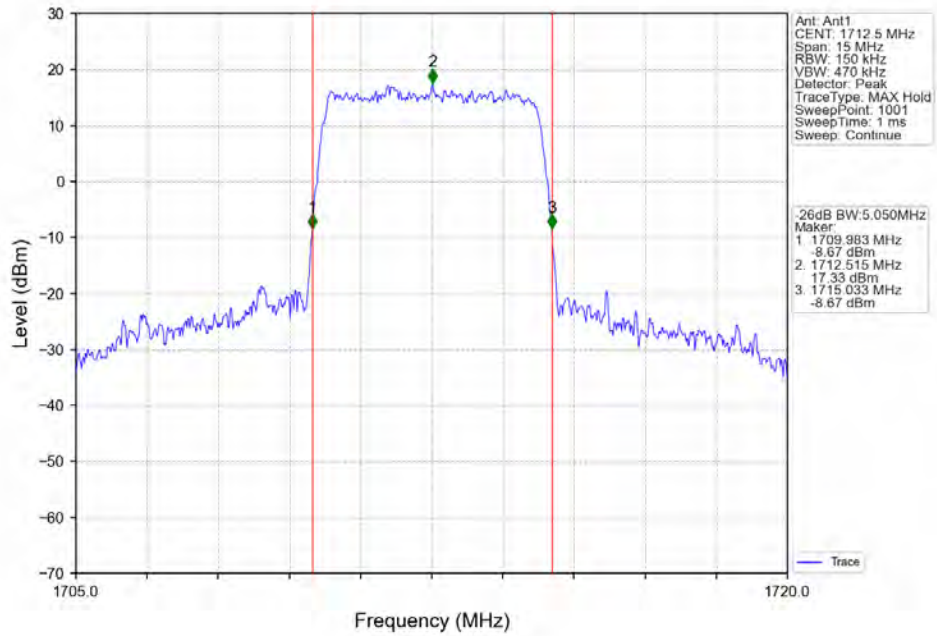
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTN



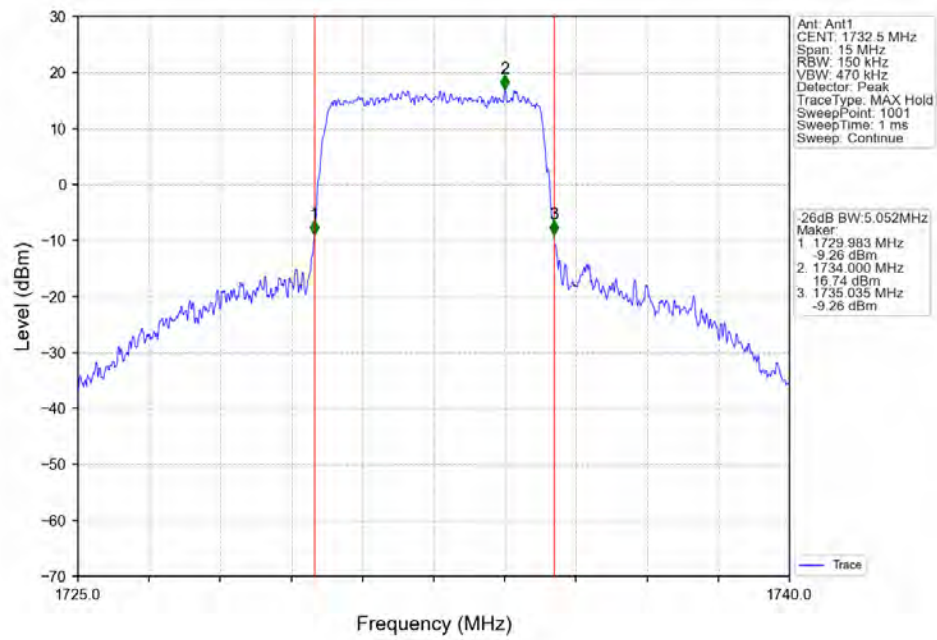
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



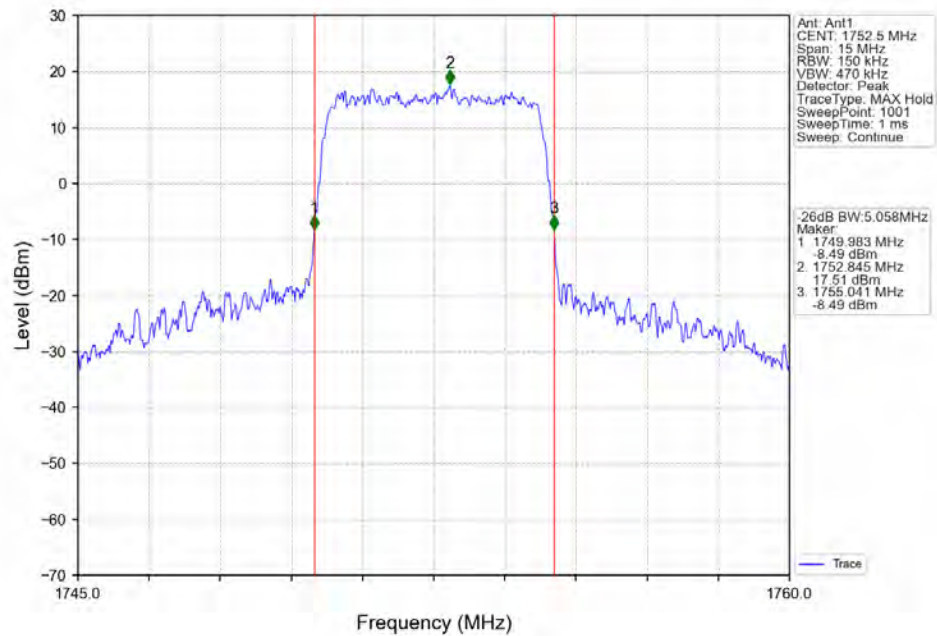
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



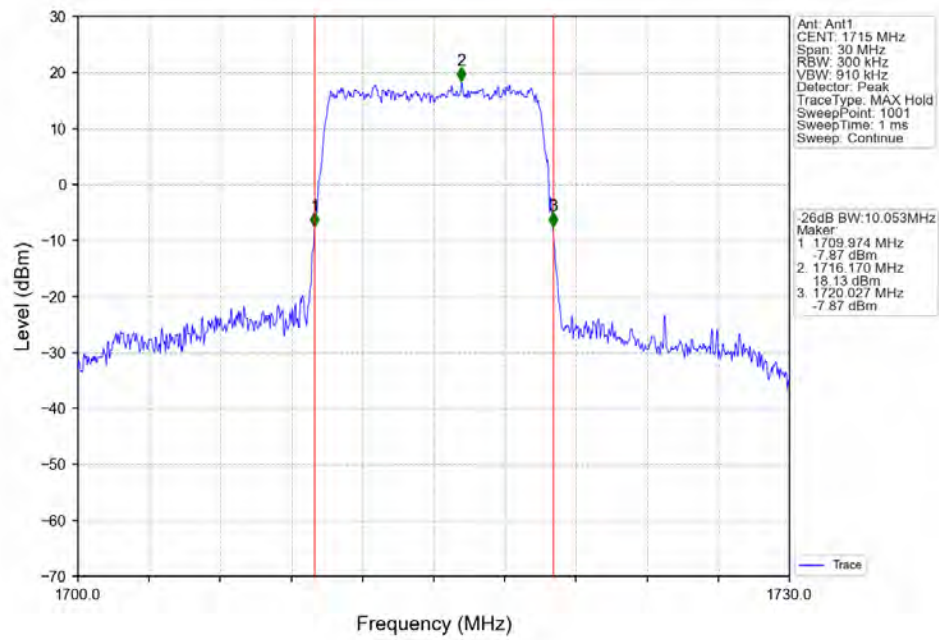
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTNV



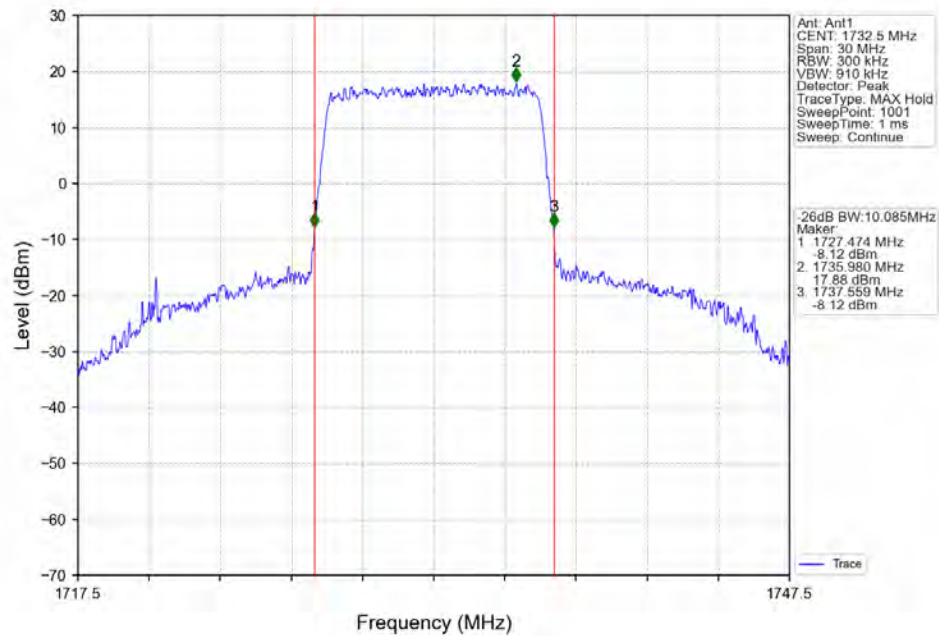
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



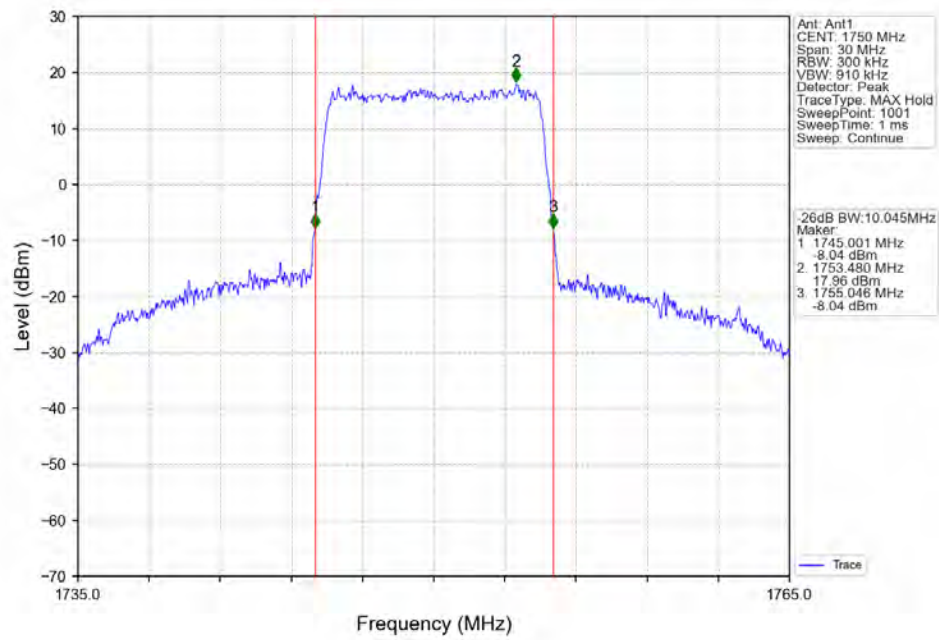
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



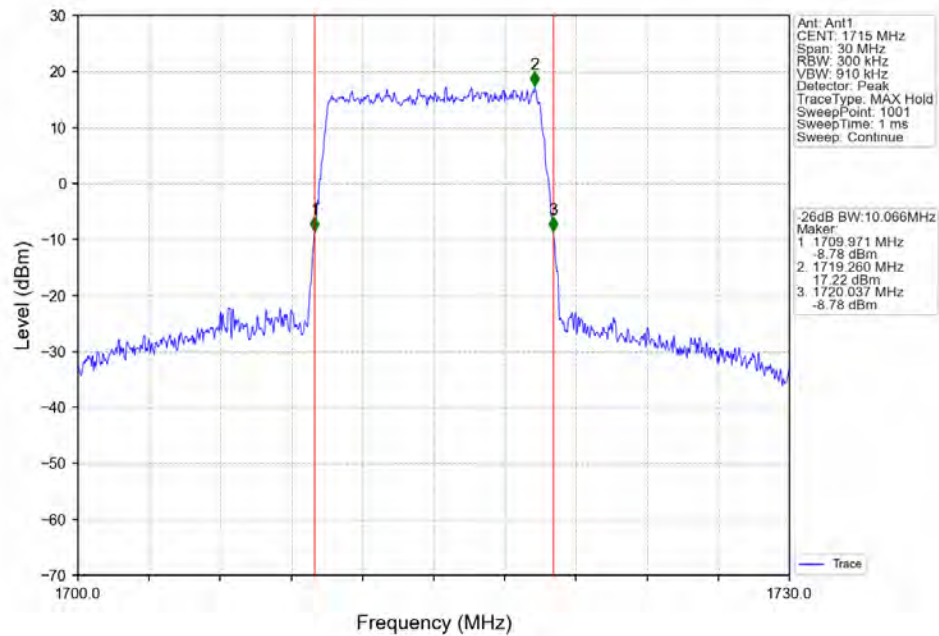
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



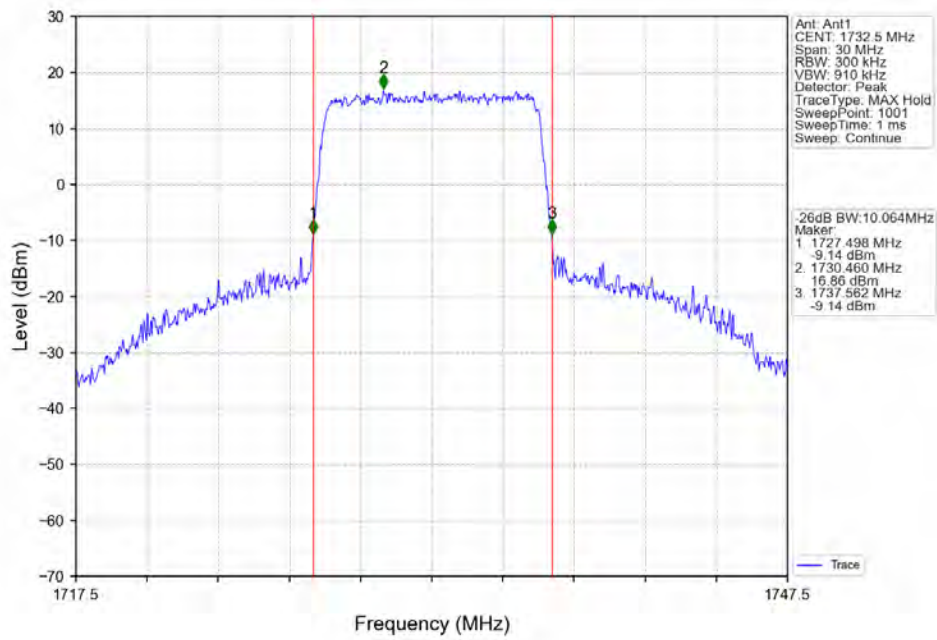
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



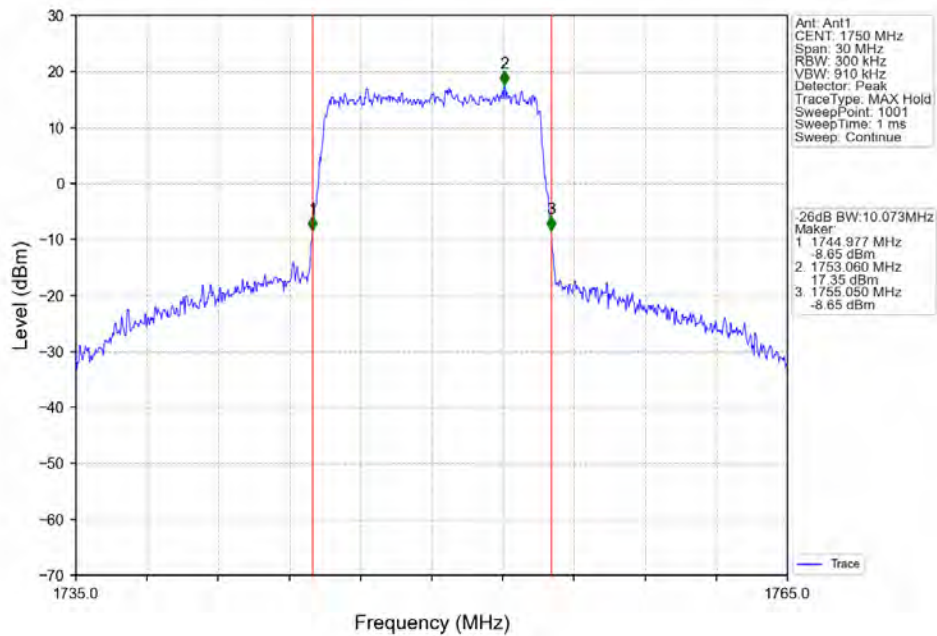
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



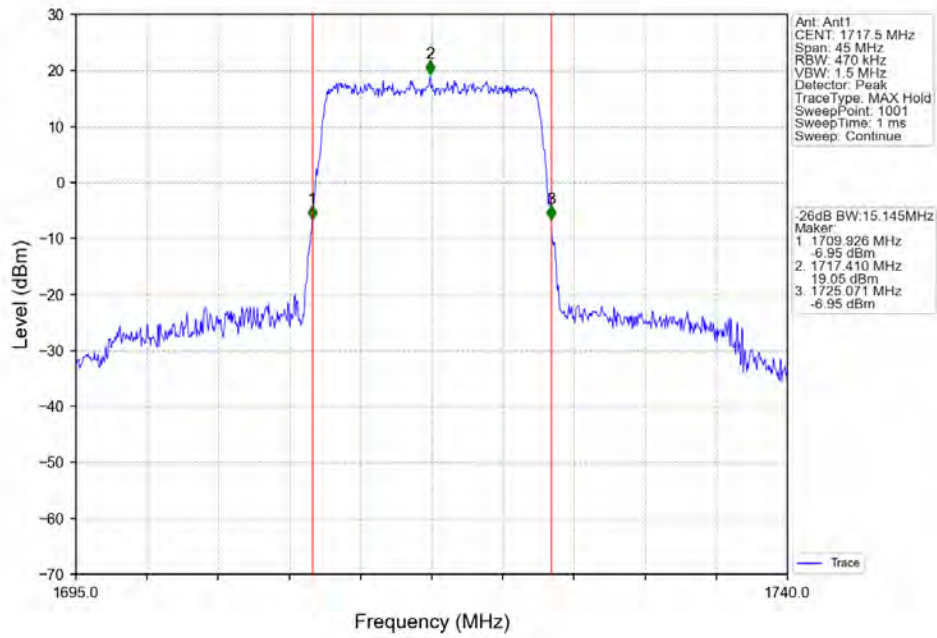
Band4 10MHz 16QAM MCH 1732.5MHz RB 50 0 NTN



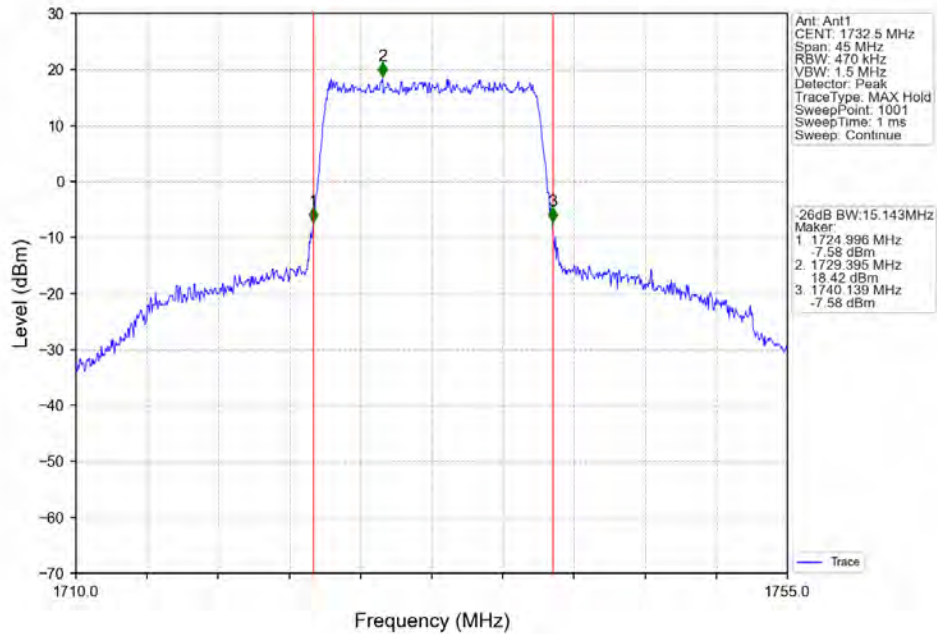
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



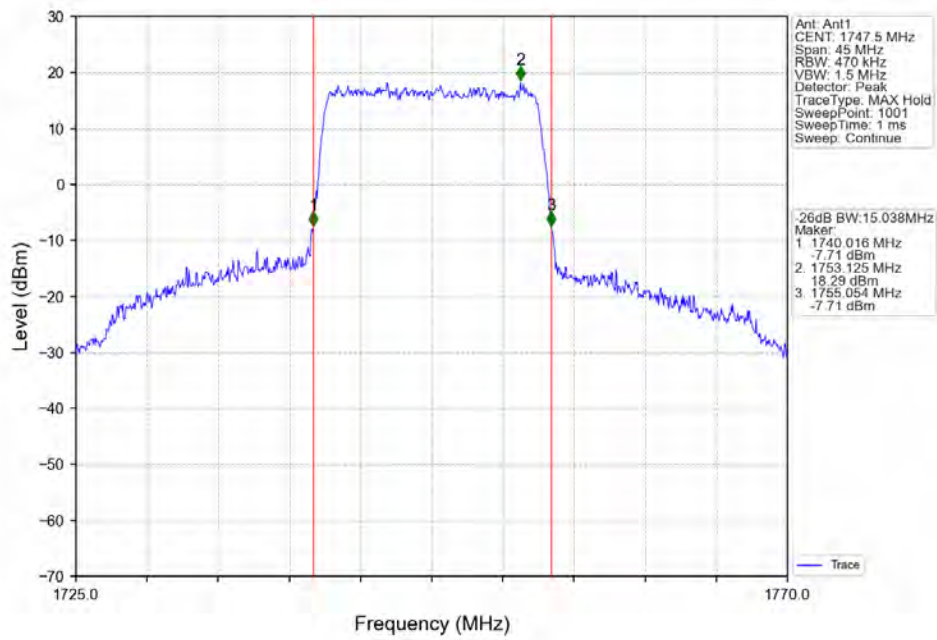
Band4_15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



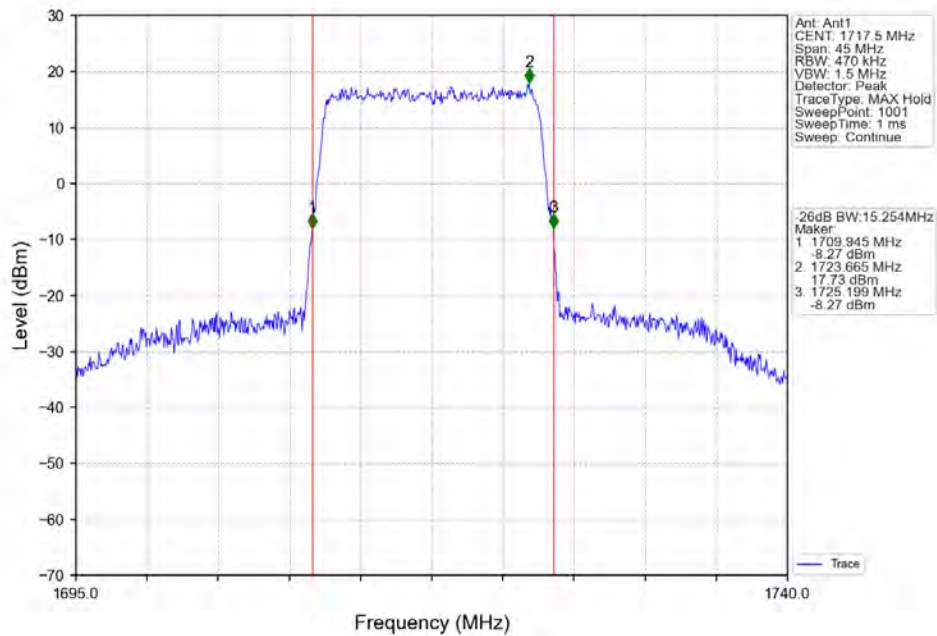
Band4_15MHz QPSK MCH 1732.5MHz RB 75 0 NTNV



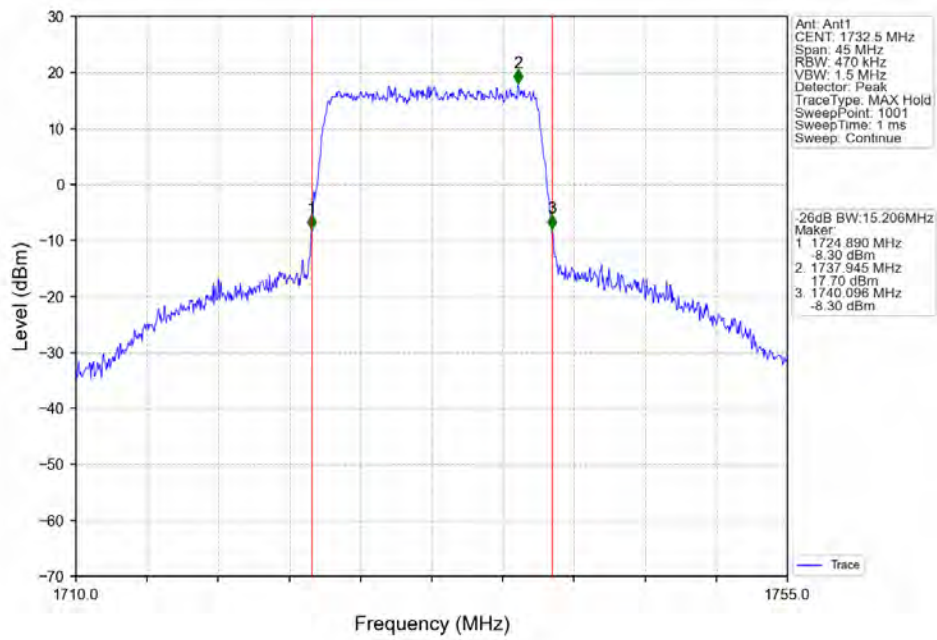
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



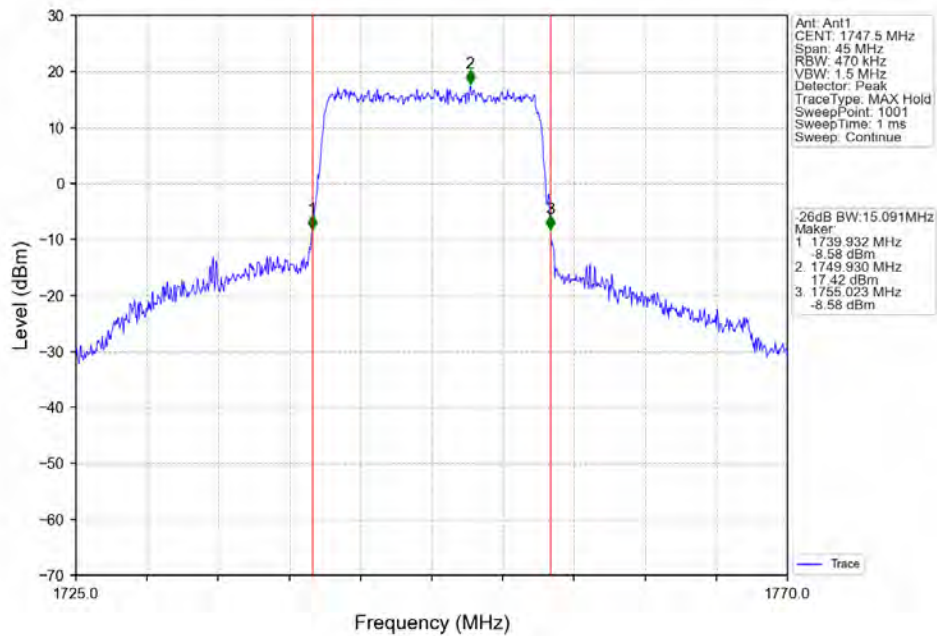
Band4_15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



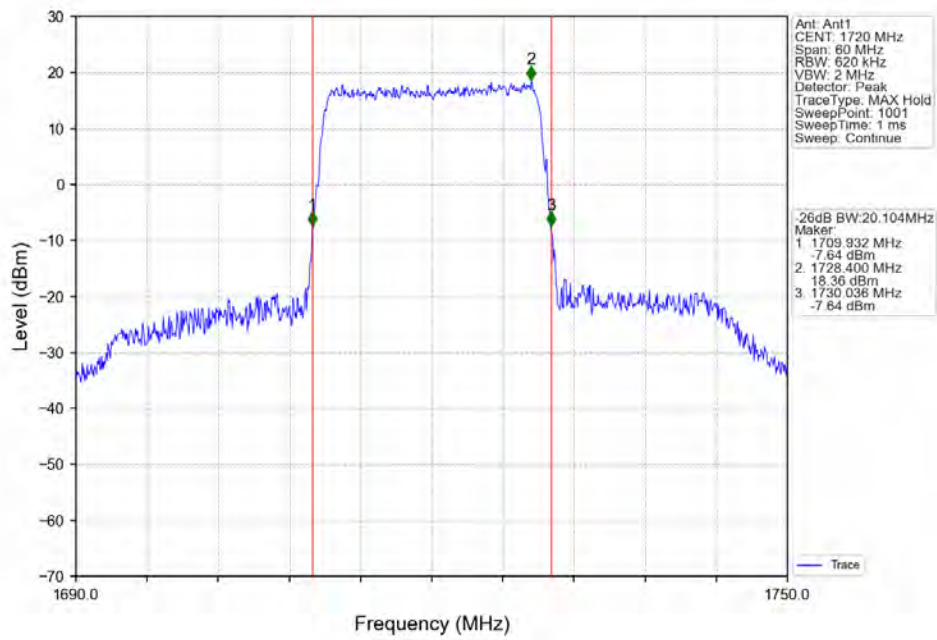
Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



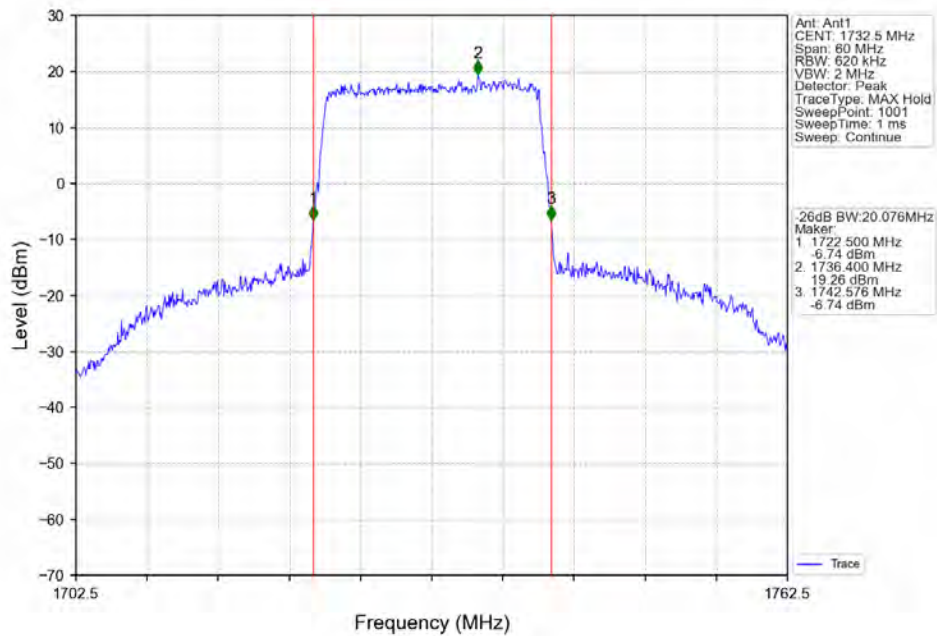
Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV



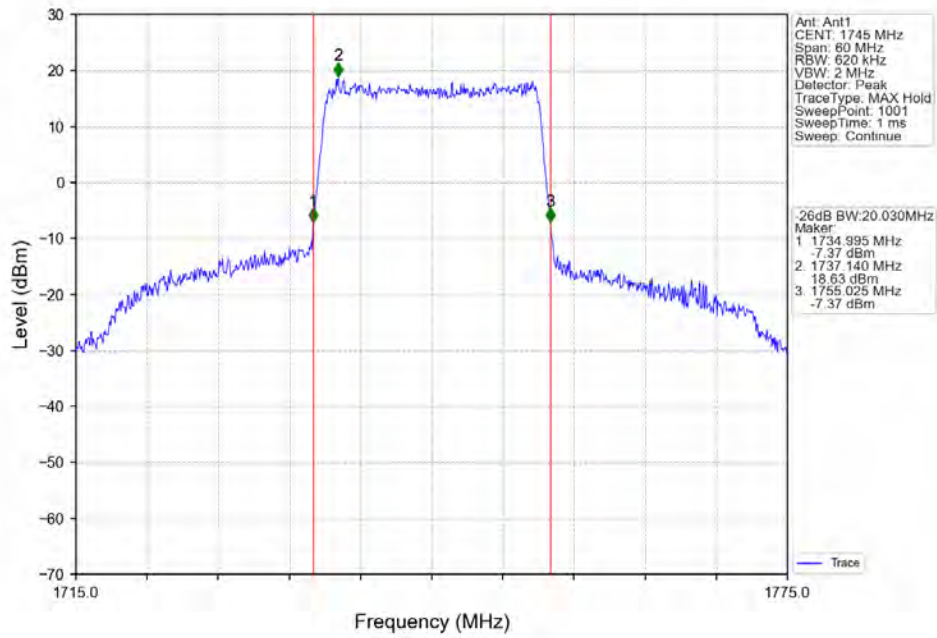
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



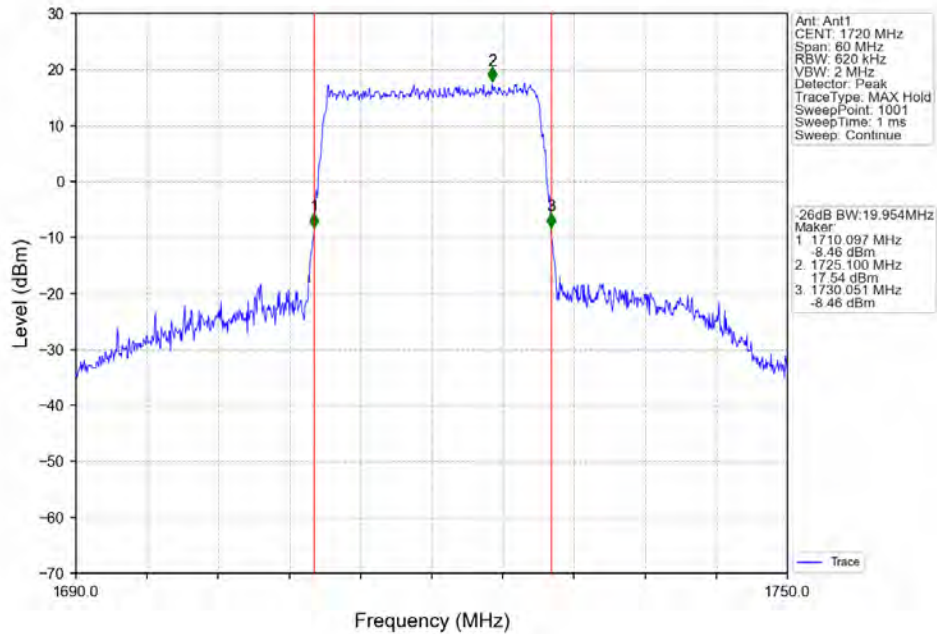
Band4 20MHz QPSK MCH 1732.5MHz RB 100 0 NTNV



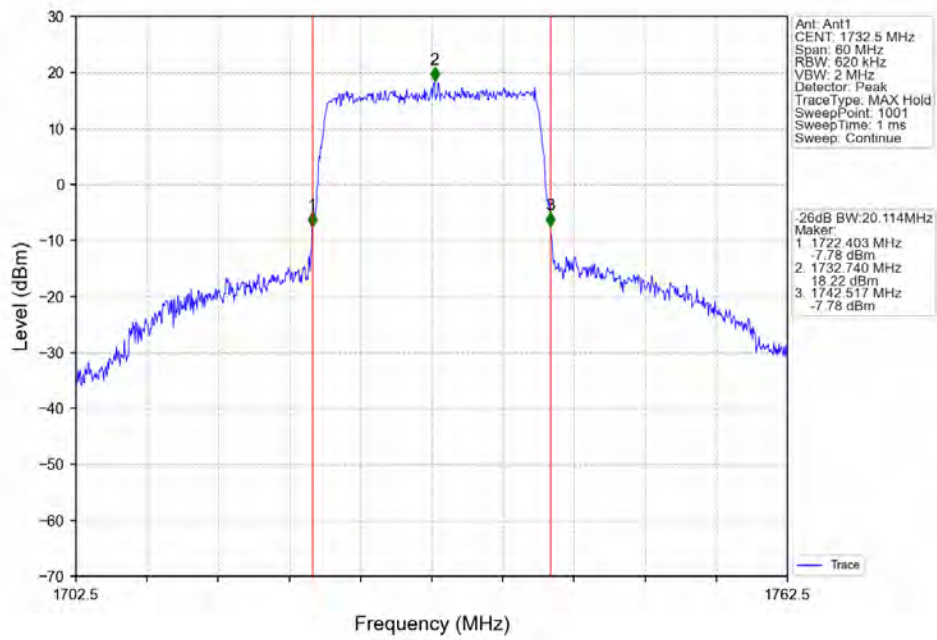
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



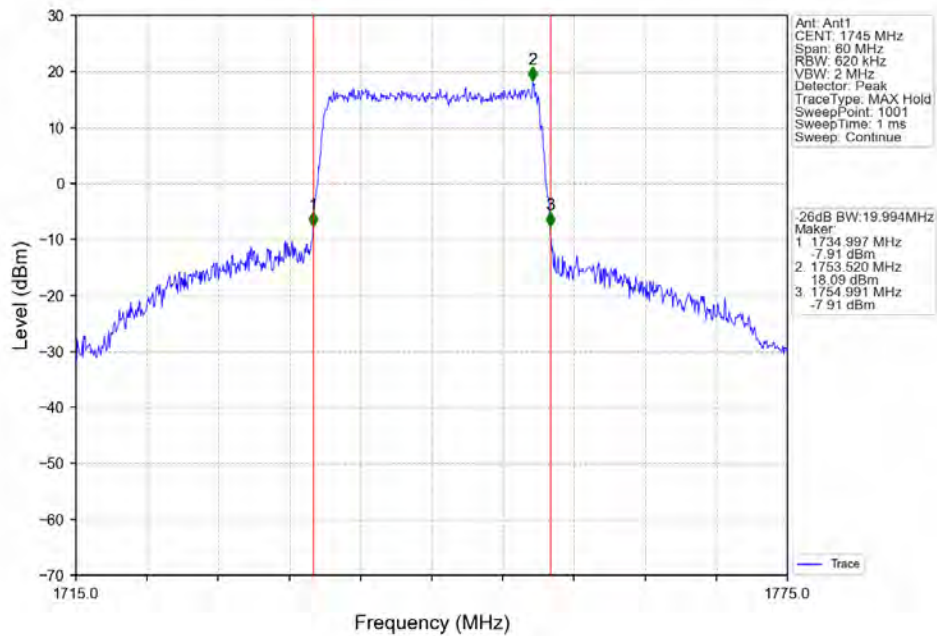
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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



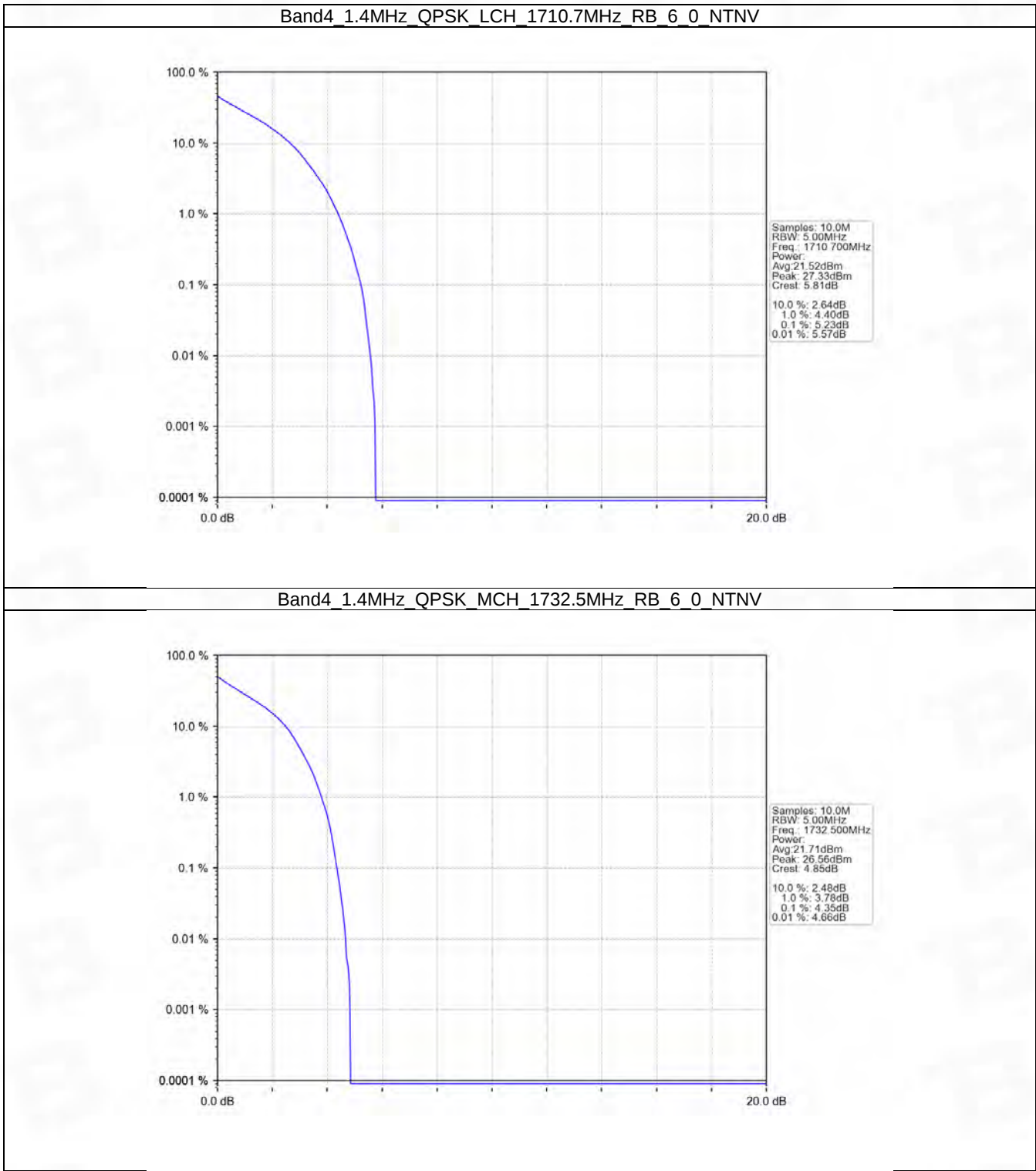
5. Peak-Average Ratio

5.1 B4_1.4MHz

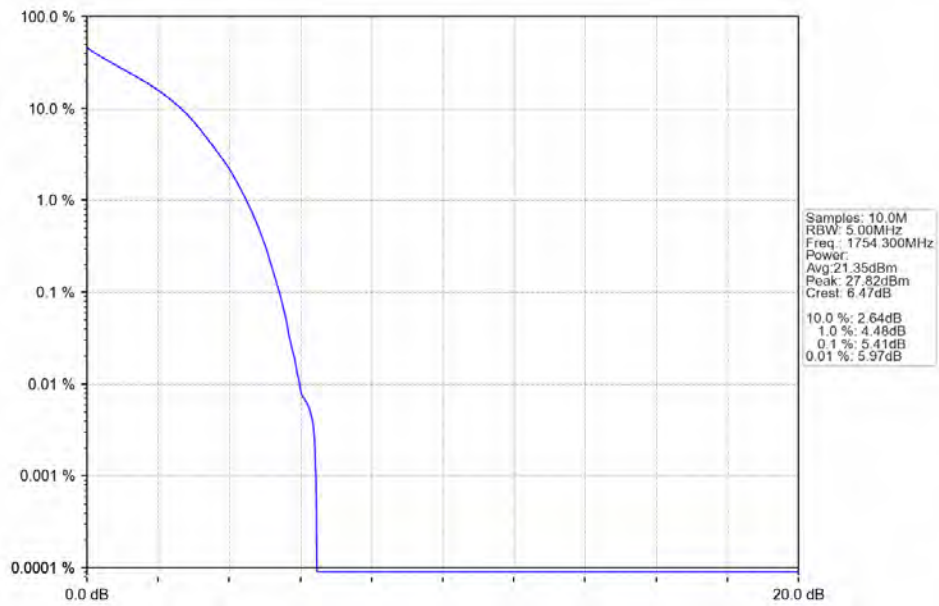
5.1.1 Test Result

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	5.23	<=13	Pass
	1732.5	6	0	4.35	<=13	Pass
	1754.3	6	0	5.41	<=13	Pass
16QAM	1710.7	6	0	5.96	<=13	Pass
	1732.5	6	0	5.18	<=13	Pass
	1754.3	6	0	6.15	<=13	Pass

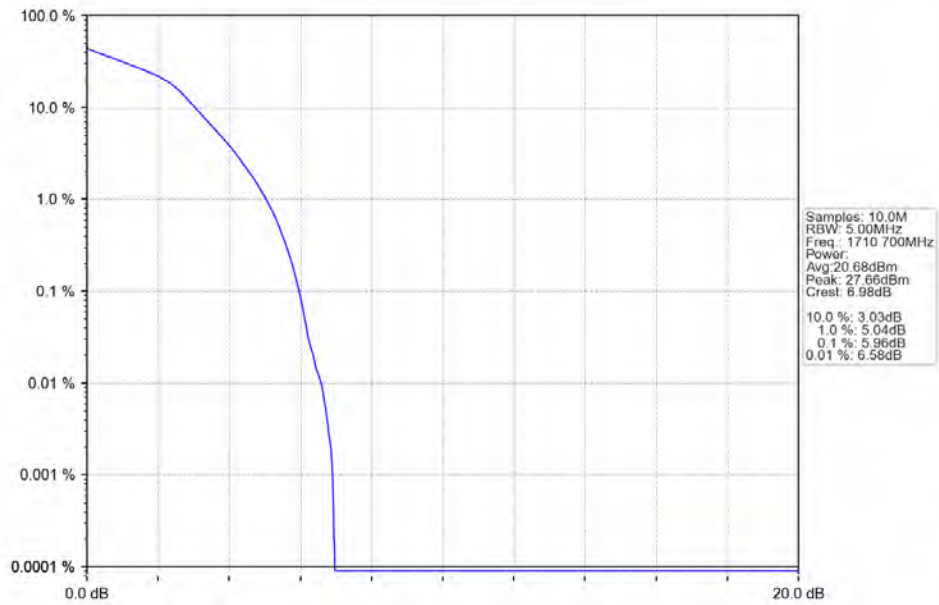
5.1.2 Test Graph



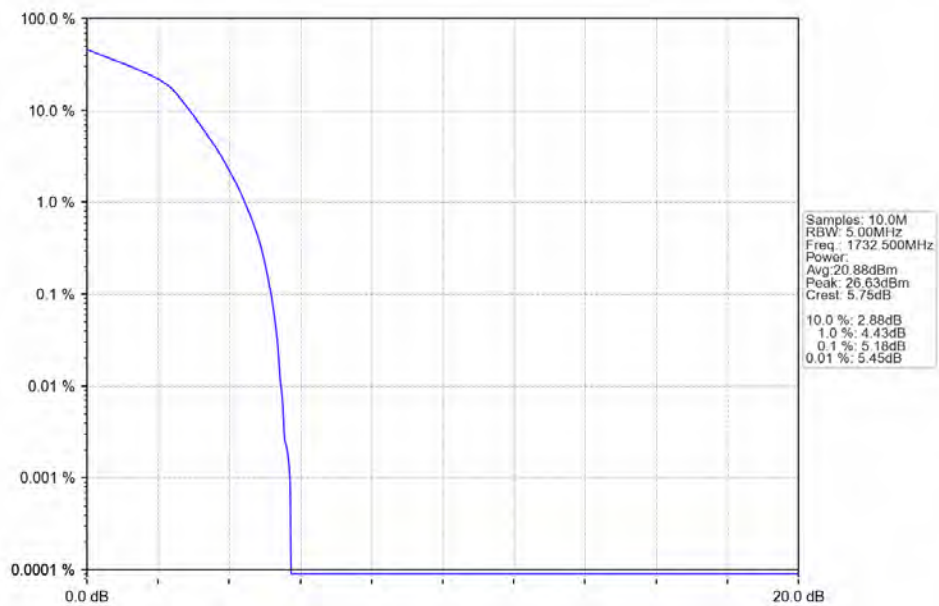
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



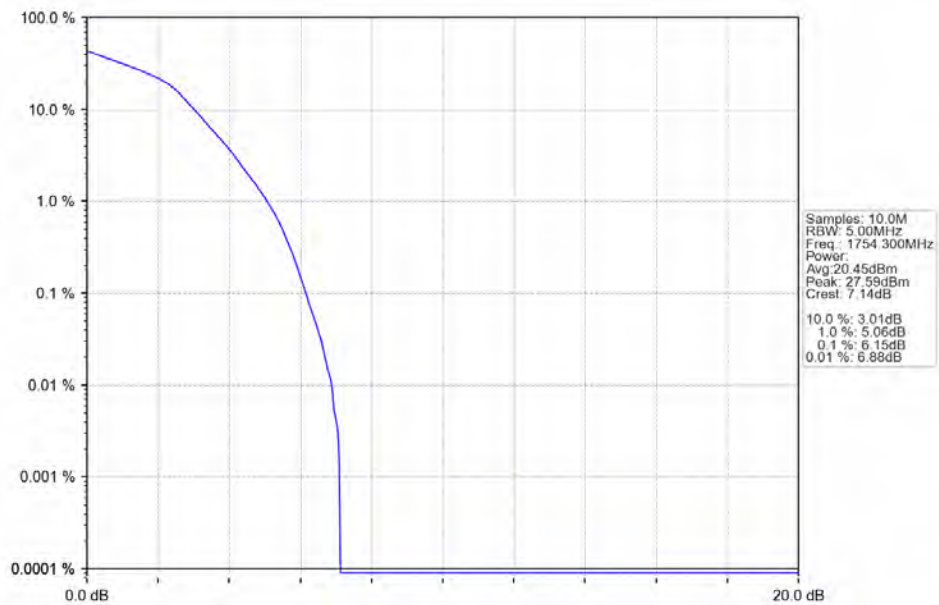
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



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



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

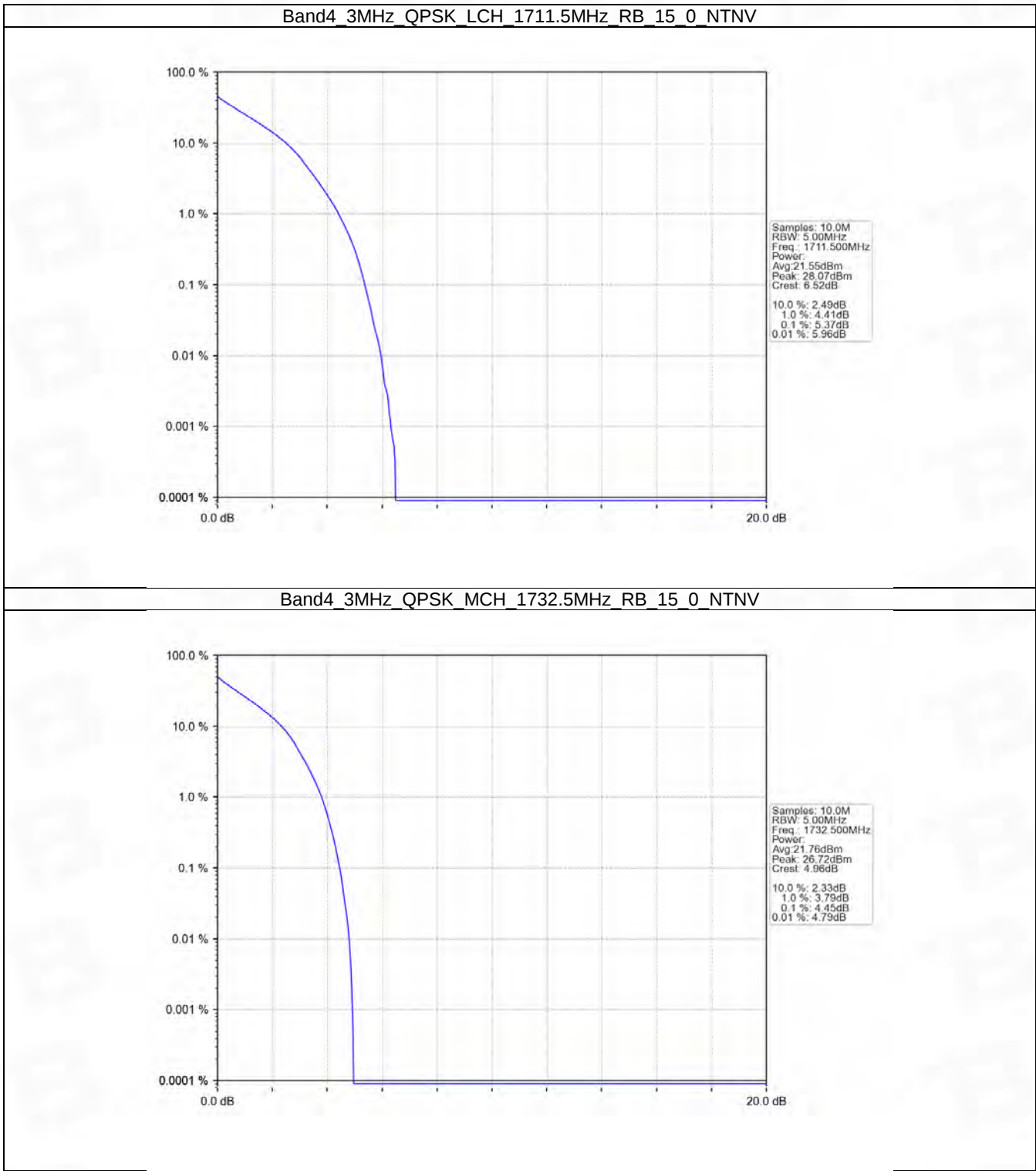


5.2 B4_3MHz

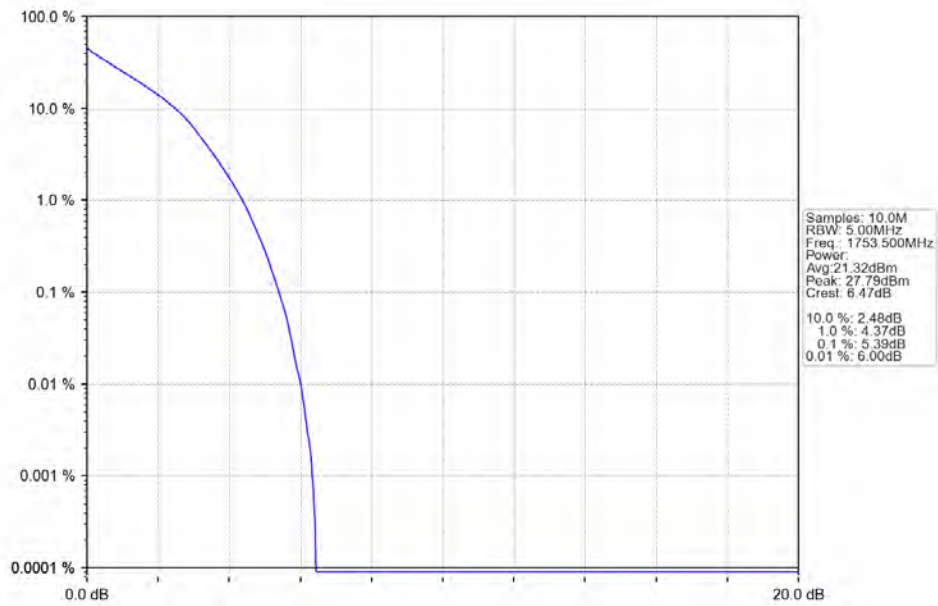
5.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.37	<=13	Pass
	1732.5	15	0	4.45	<=13	Pass
	1753.5	15	0	5.39	<=13	Pass
16QAM	1711.5	15	0	6.16	<=13	Pass
	1732.5	15	0	5.31	<=13	Pass
	1753.5	15	0	6.16	<=13	Pass

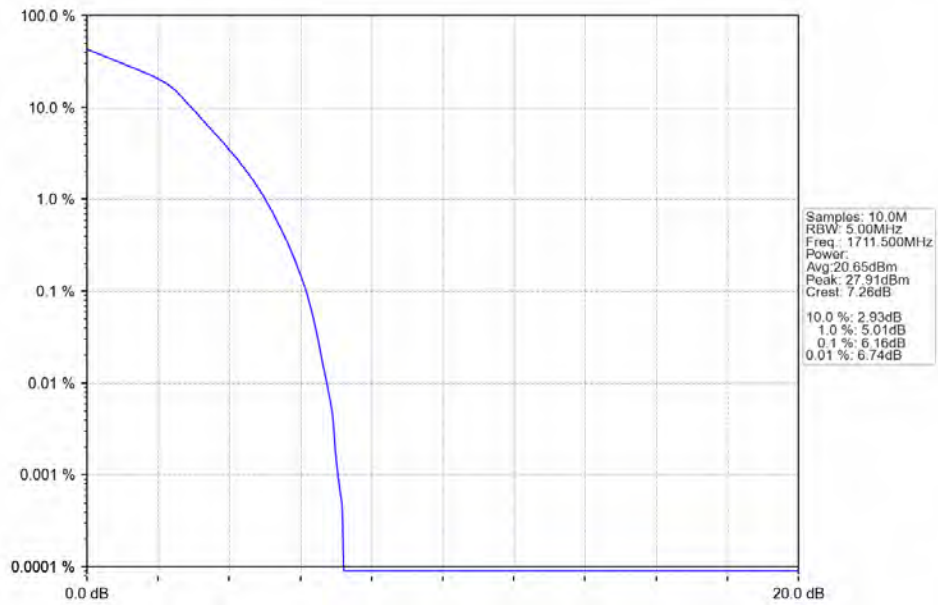
5.2.2 Test Graph



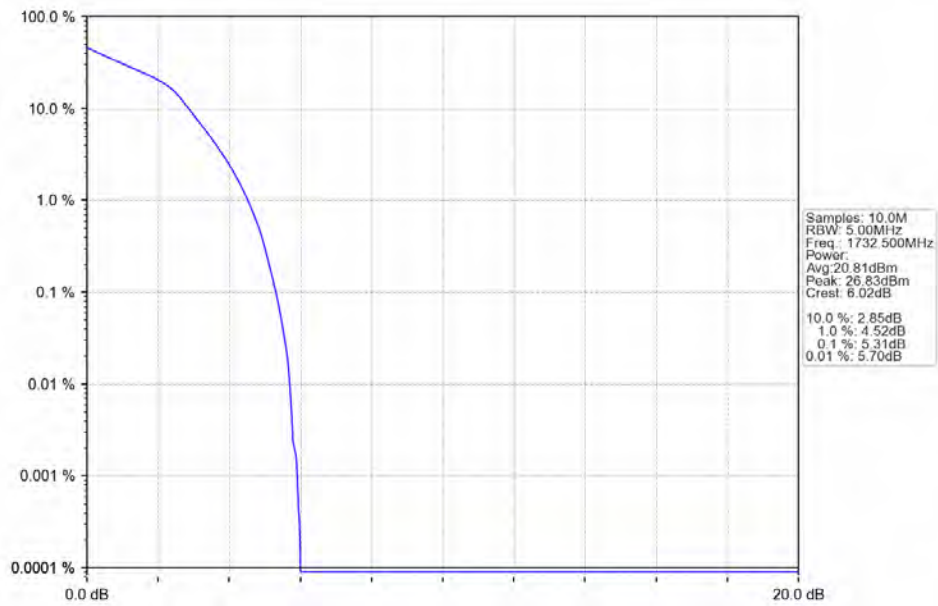
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTN



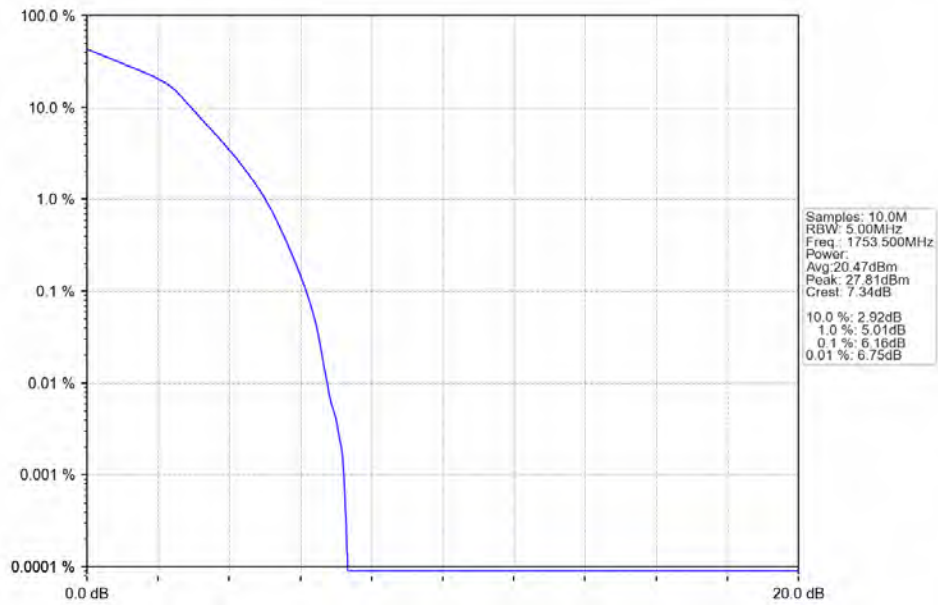
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTN



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



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

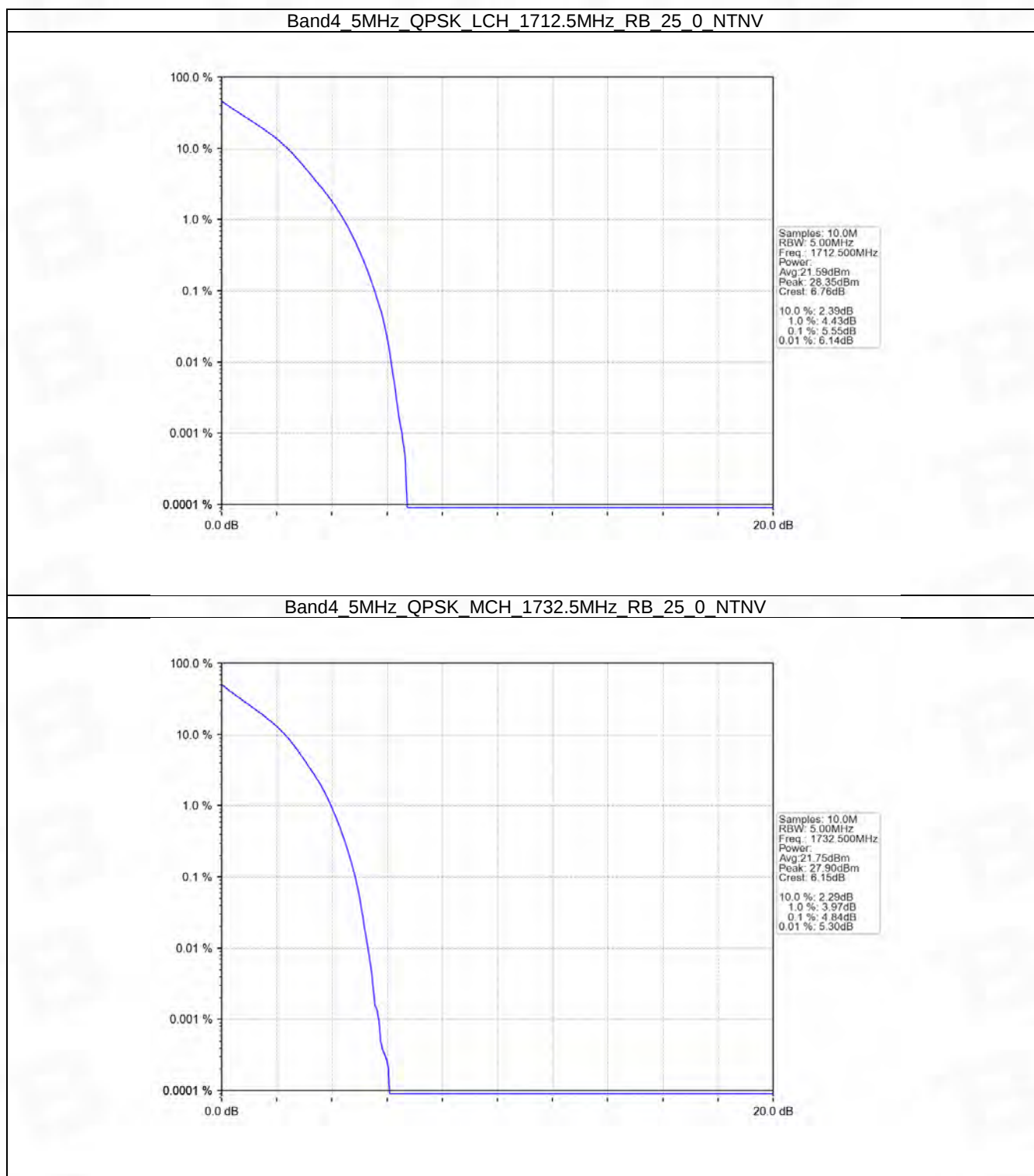


5.3 B4_5MHz

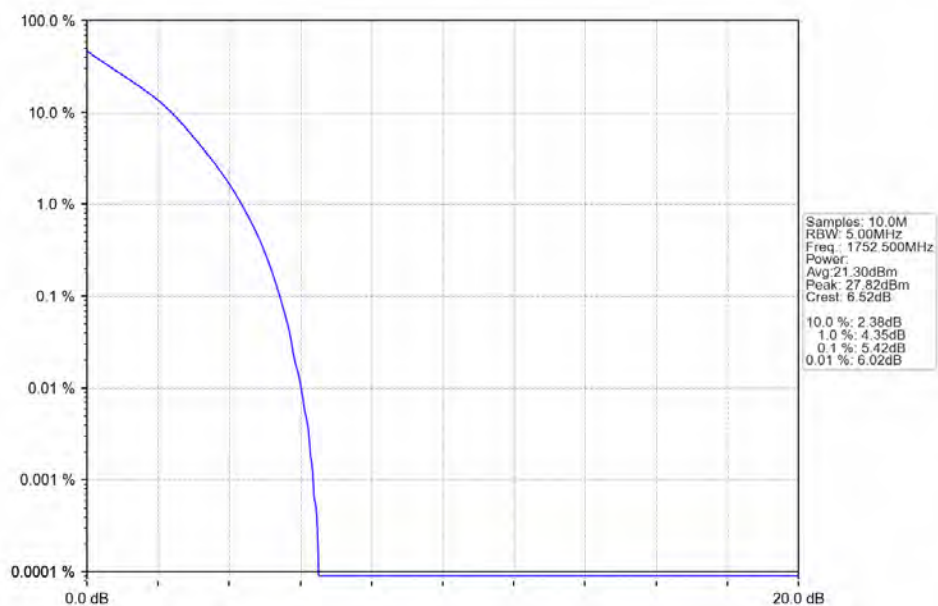
5.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.55	<=13	Pass
	1732.5	25	0	4.84	<=13	Pass
	1752.5	25	0	5.42	<=13	Pass
16QAM	1712.5	25	0	6.31	<=13	Pass
	1732.5	25	0	5.58	<=13	Pass
	1752.5	25	0	6.08	<=13	Pass

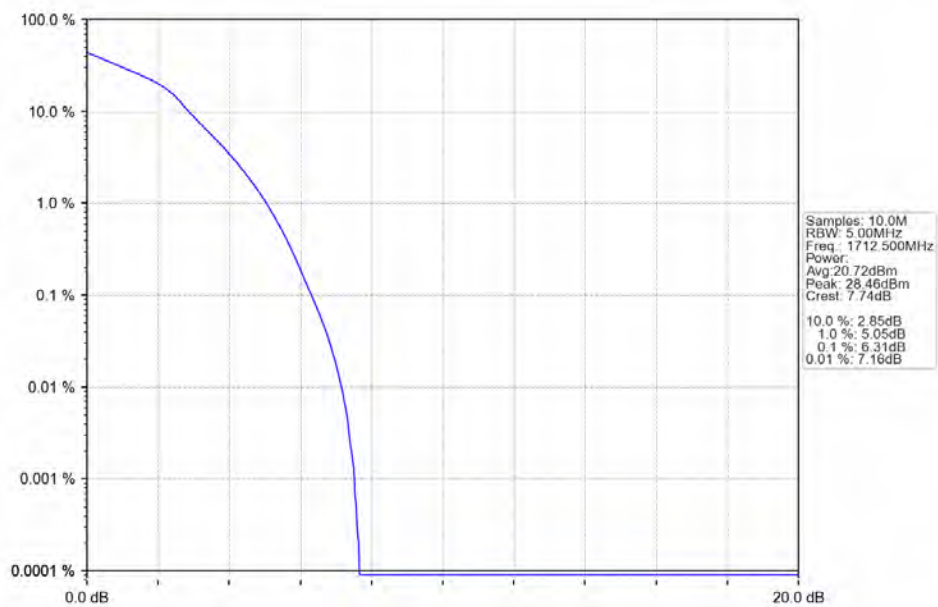
5.3.2 Test Graph



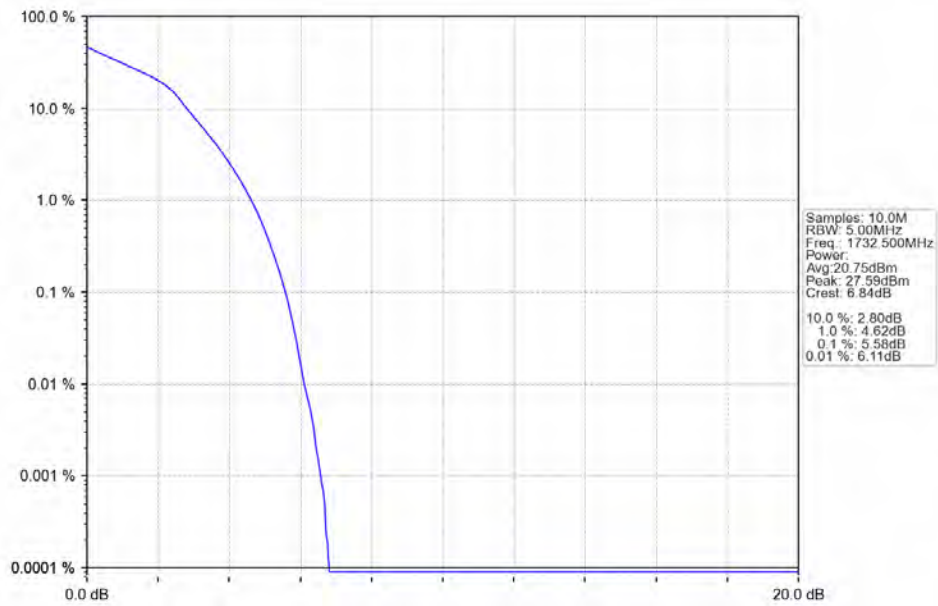
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



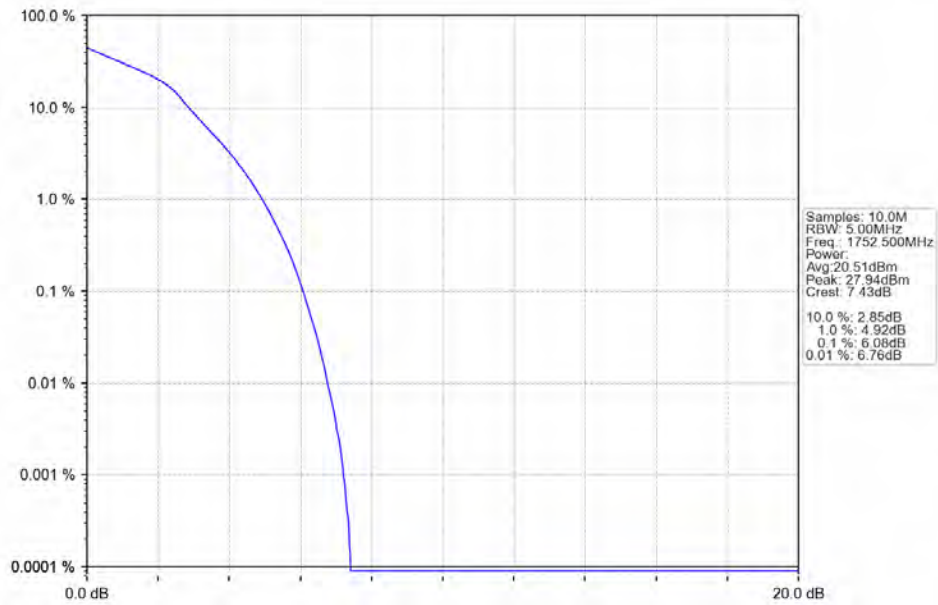
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



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



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

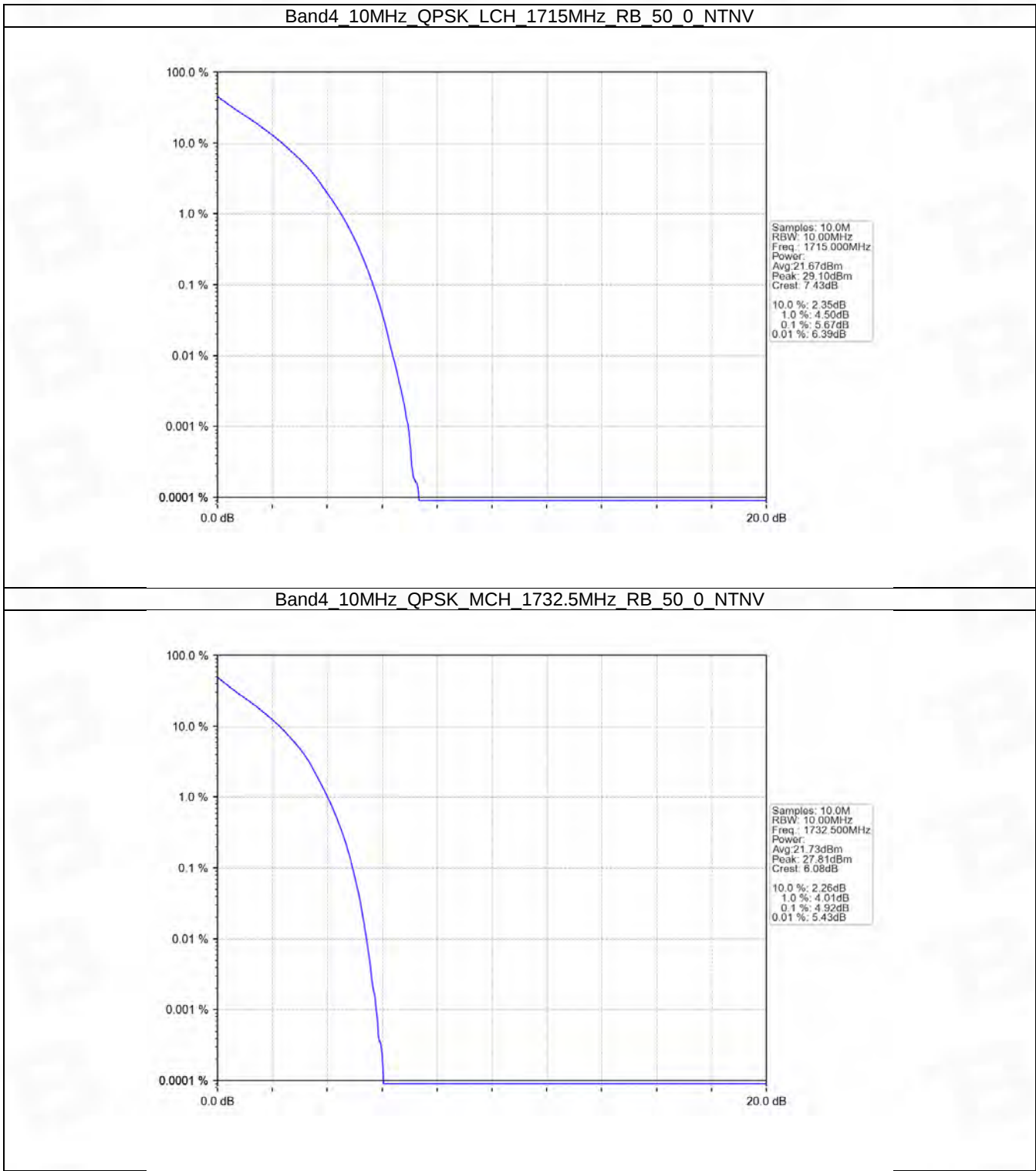


5.4 B4_10MHz

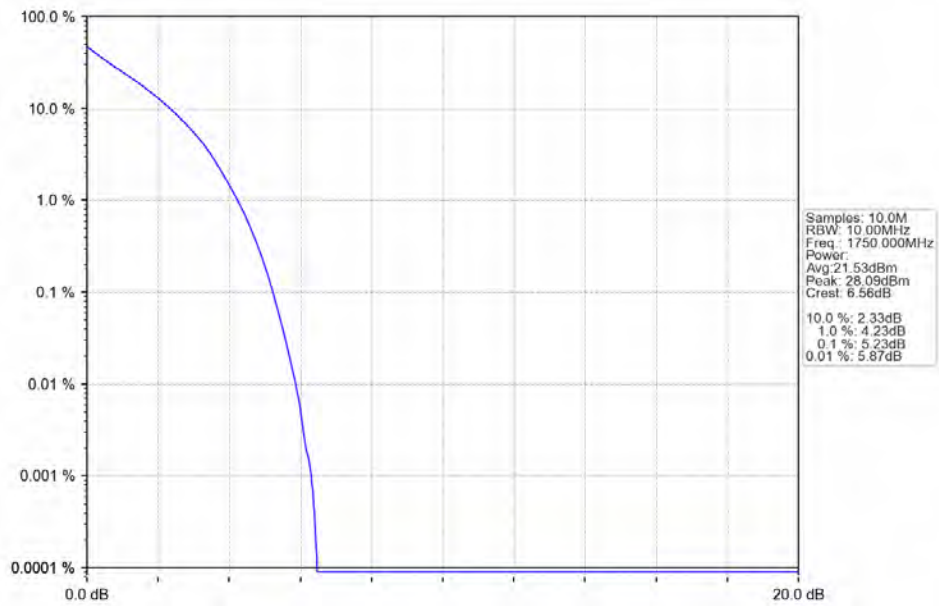
5.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.67	<=13	Pass
	1732.5	50	0	4.92	<=13	Pass
	1750	50	0	5.23	<=13	Pass
16QAM	1715	50	0	6.44	<=13	Pass
	1732.5	50	0	5.66	<=13	Pass
	1750	50	0	5.94	<=13	Pass

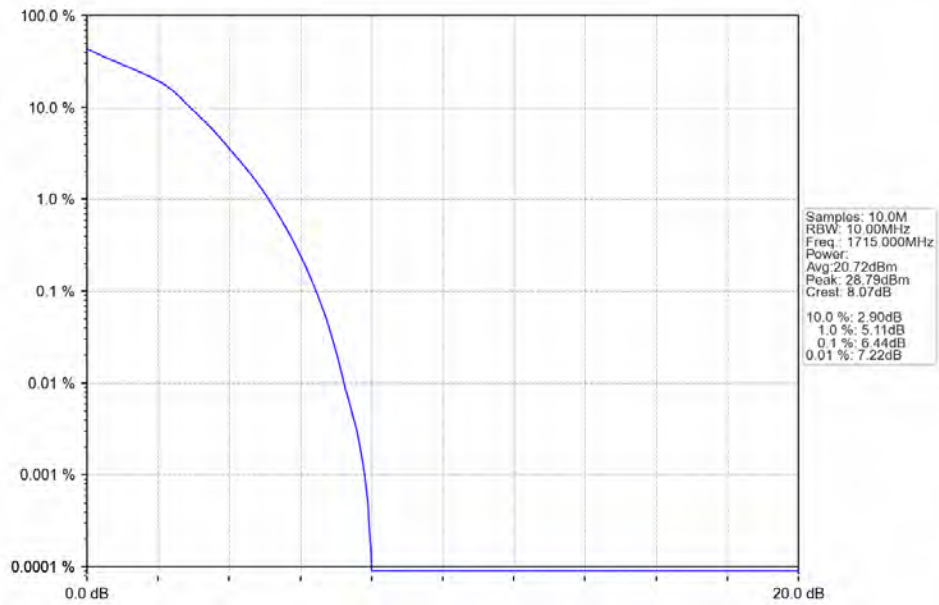
5.4.2 Test Graph



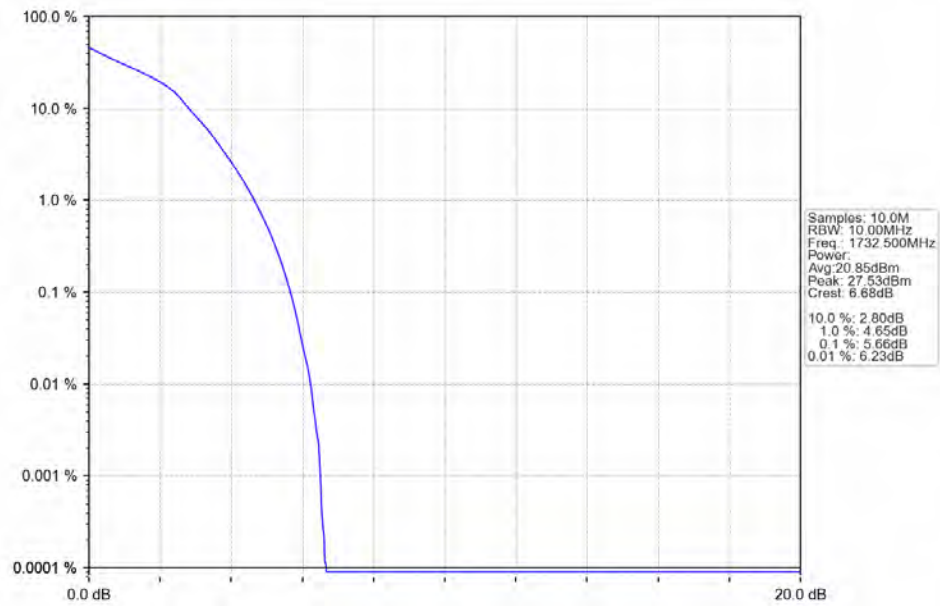
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



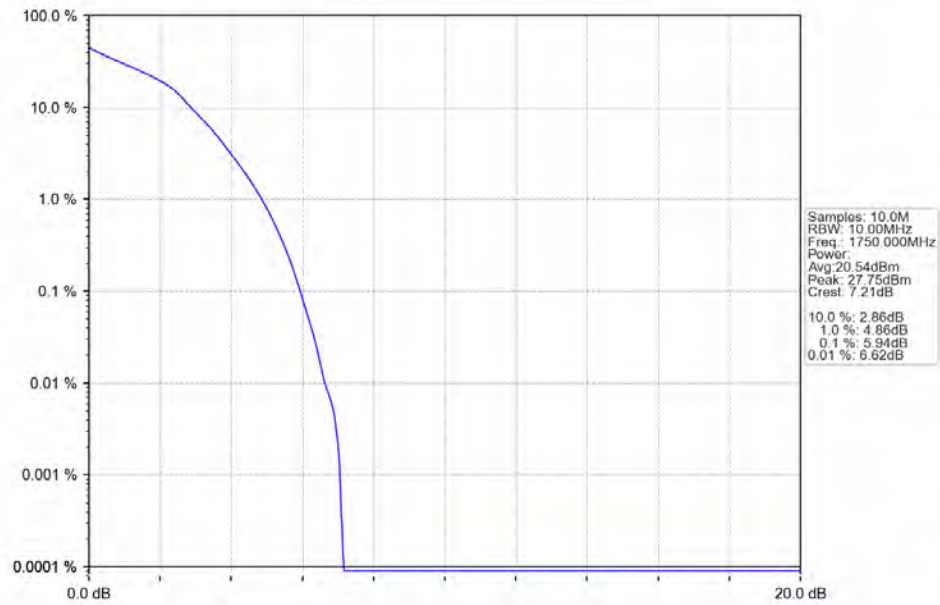
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTN



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



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

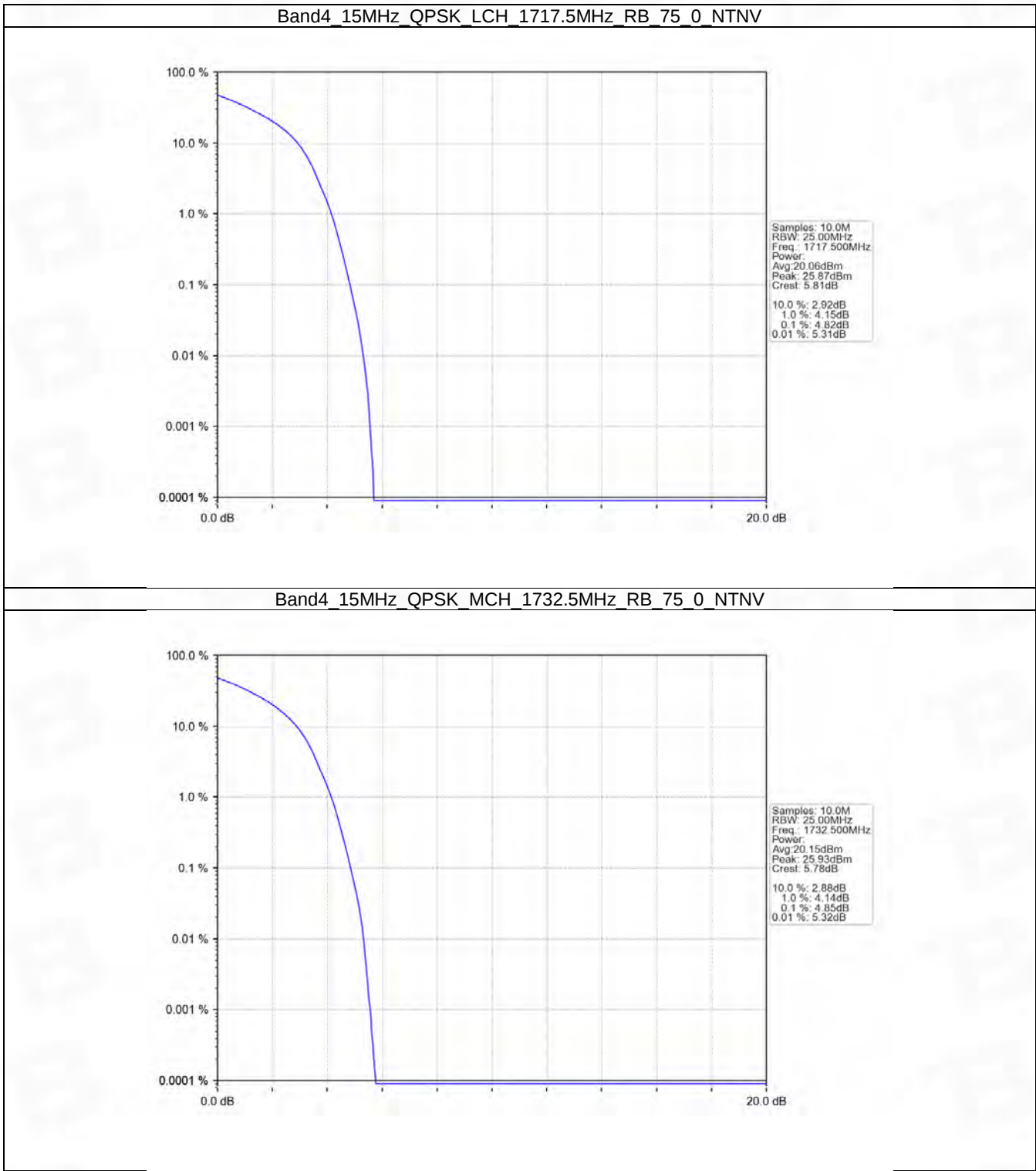


5.5 B4_15MHz

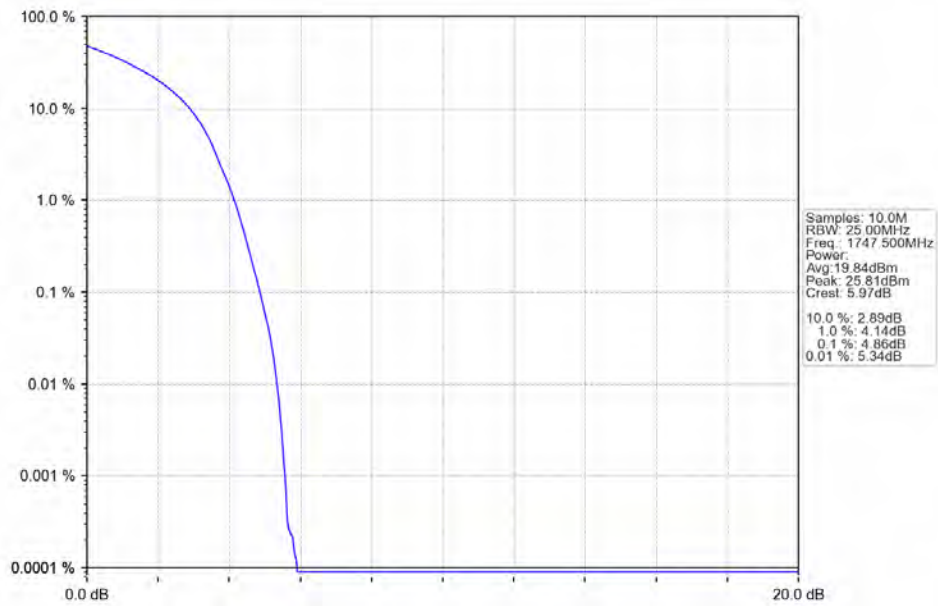
5.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.82	<=13	Pass
	1732.5	75	0	4.85	<=13	Pass
	1747.5	75	0	4.86	<=13	Pass
16QAM	1717.5	75	0	6.26	<=13	Pass
	1732.5	75	0	6.00	<=13	Pass
	1747.5	75	0	6.07	<=13	Pass

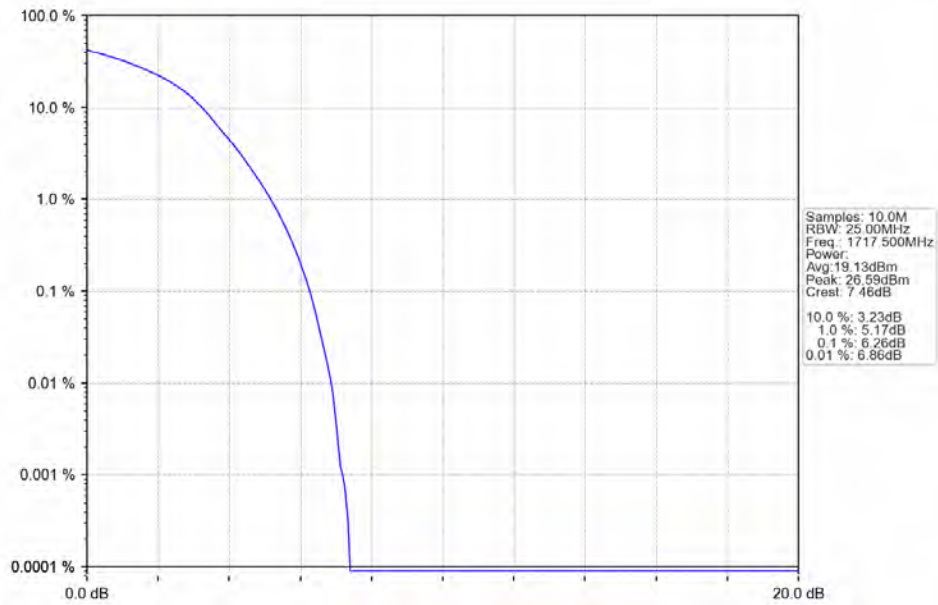
5.5.2 Test Graph



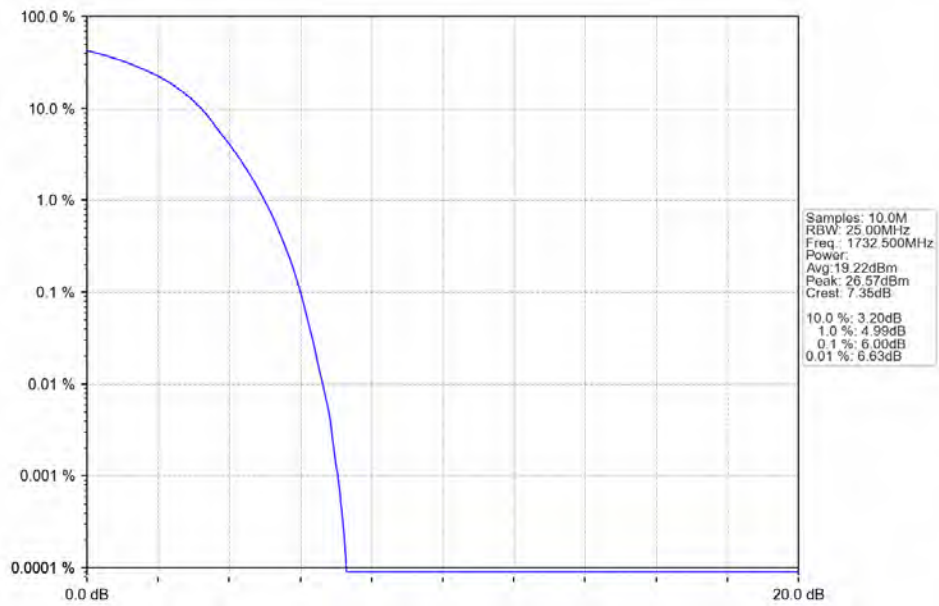
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



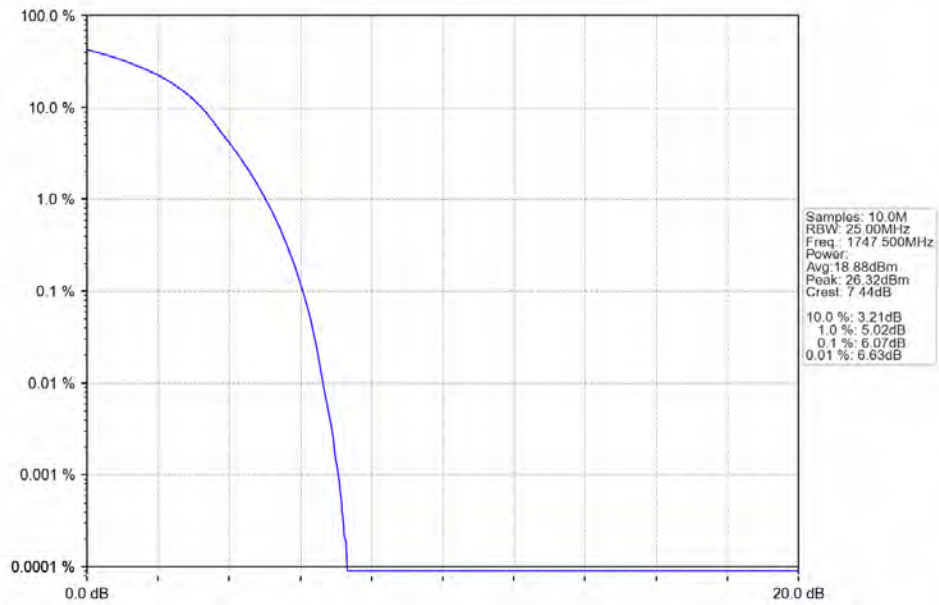
Band4 15MHz 16QAM LCH 1717.5MHz RB 75 0 NTNV



Band4 15MHz 16QAM MCH 1732.5MHz RB 75.0 NTNV



Band4 15MHz 16QAM HCH 1747.5MHz RB 75.0 NTNV

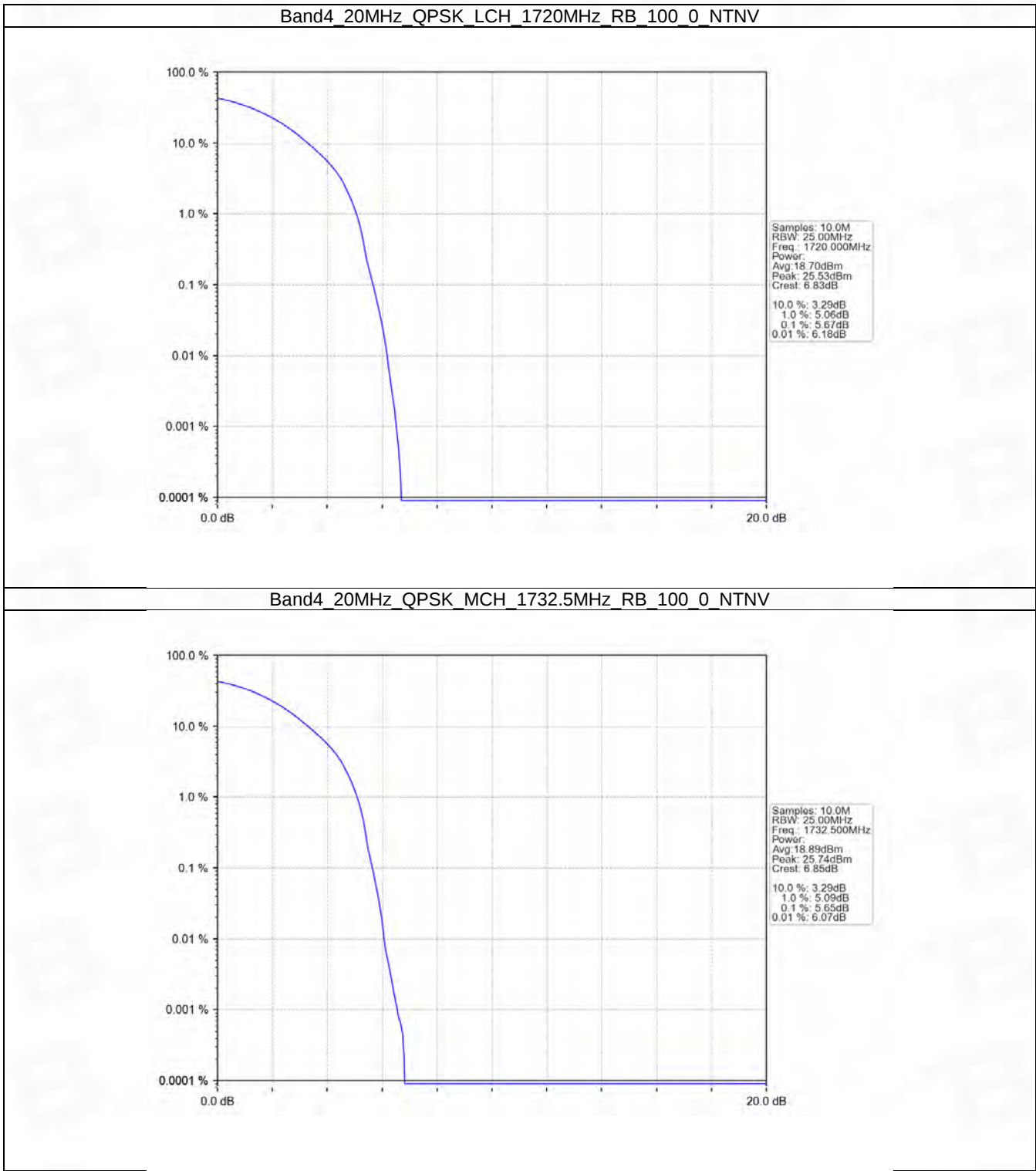


5.6 B4_20MHz

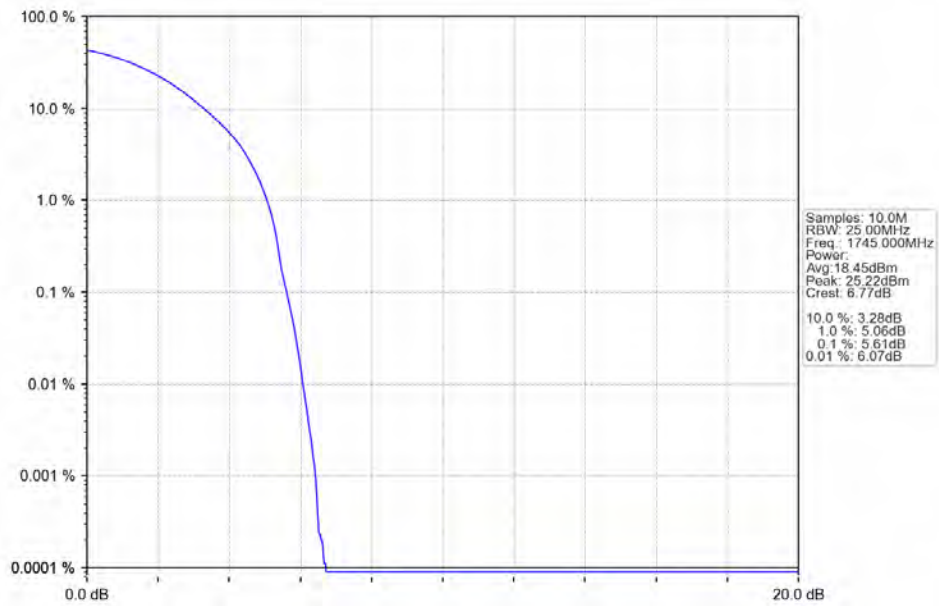
5.6.1 Test Result

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	5.65	<=13	Pass
	1745	100	0	5.61	<=13	Pass
16QAM	1720	100	0	6.76	<=13	Pass
	1732.5	100	0	6.65	<=13	Pass
	1745	100	0	6.65	<=13	Pass

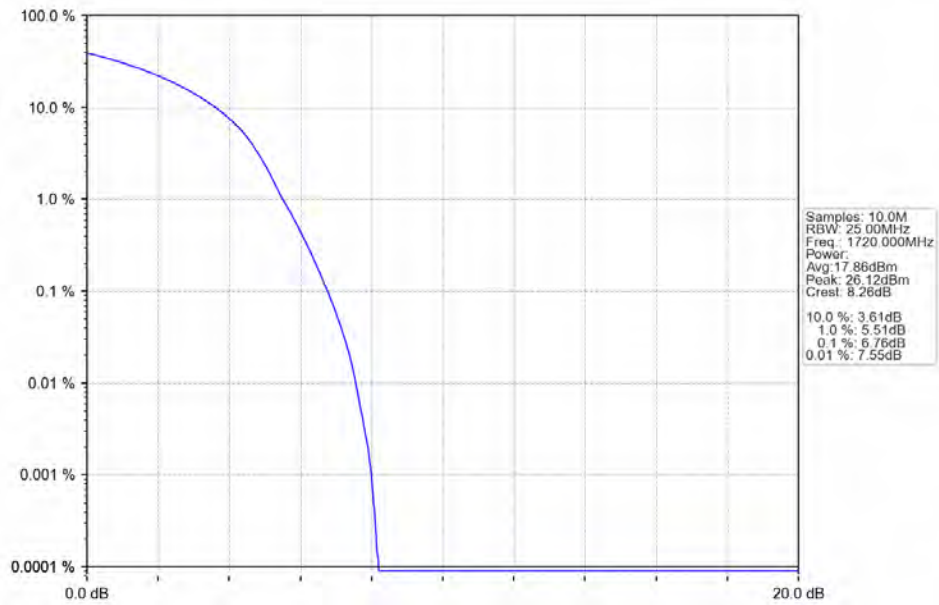
5.6.2 Test Graph



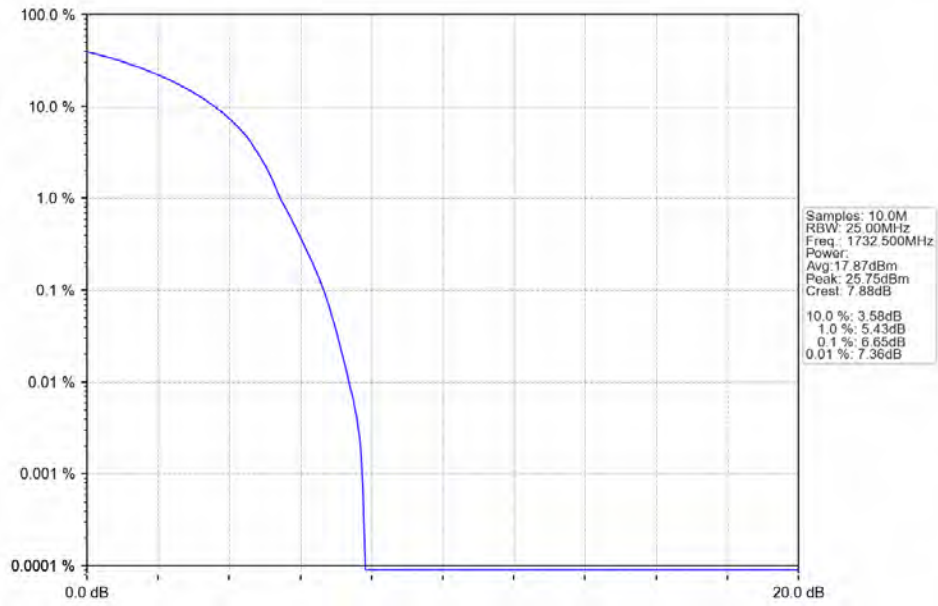
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



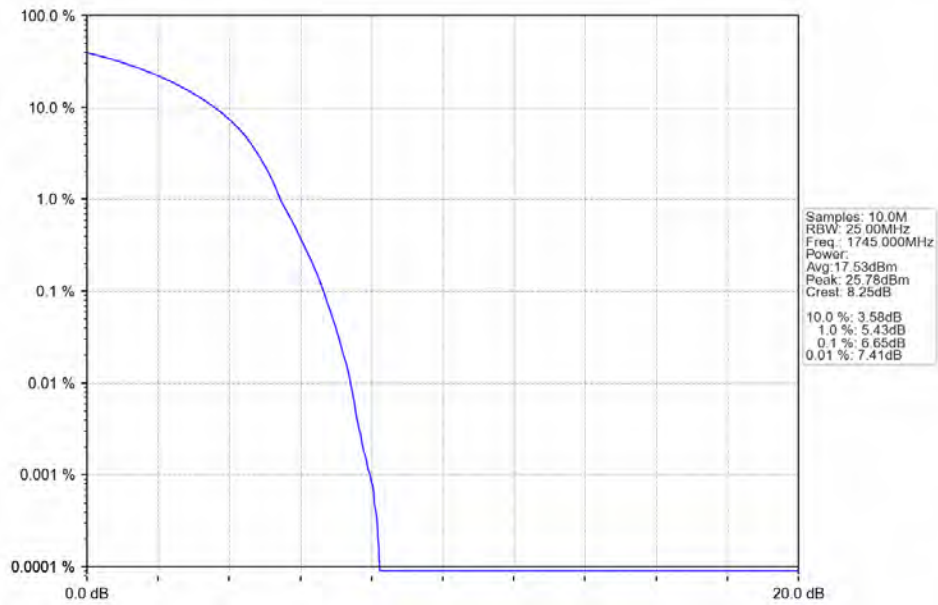
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



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



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



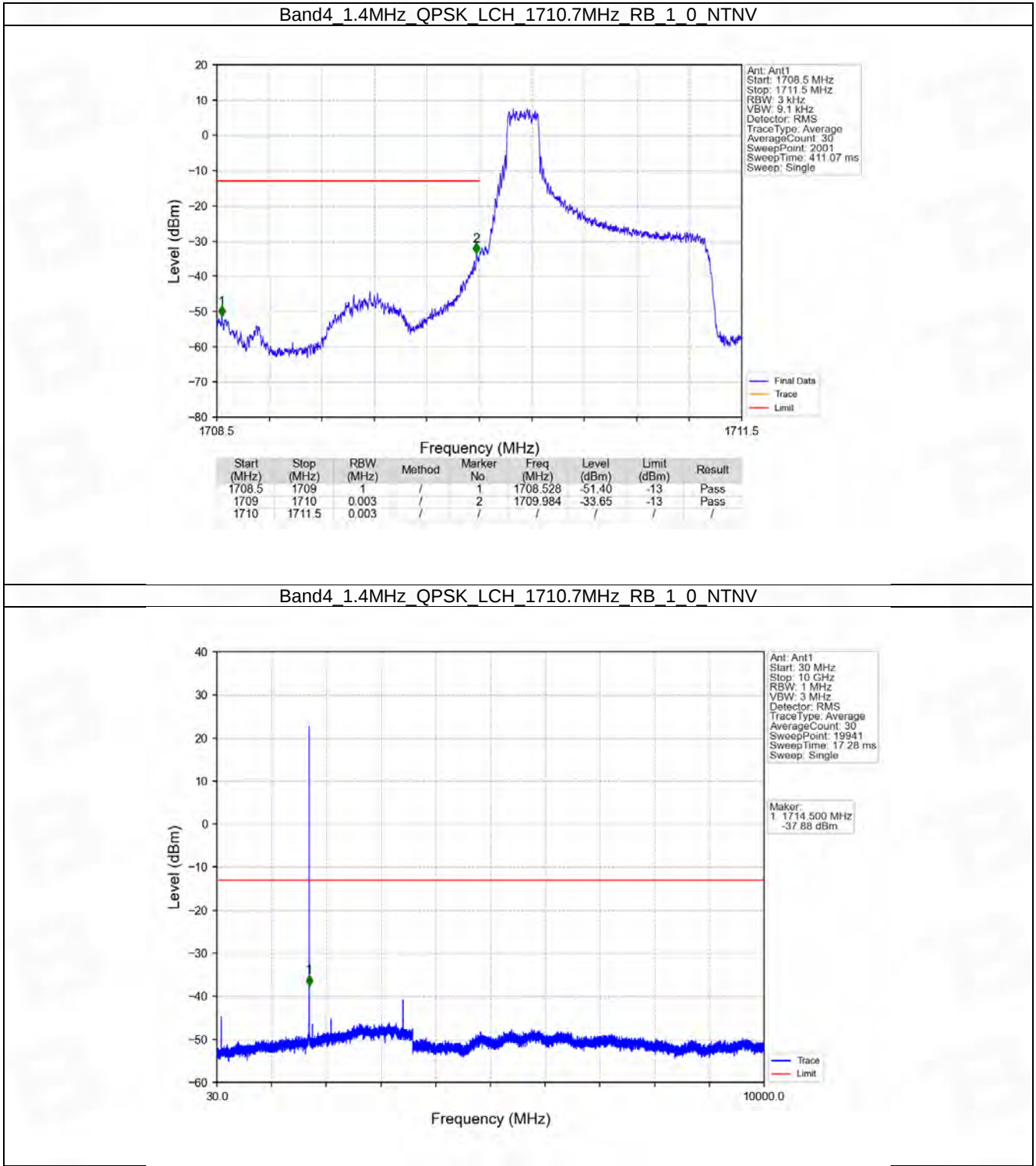
6. Spurious Emission

6.1 B4_1.4MHz

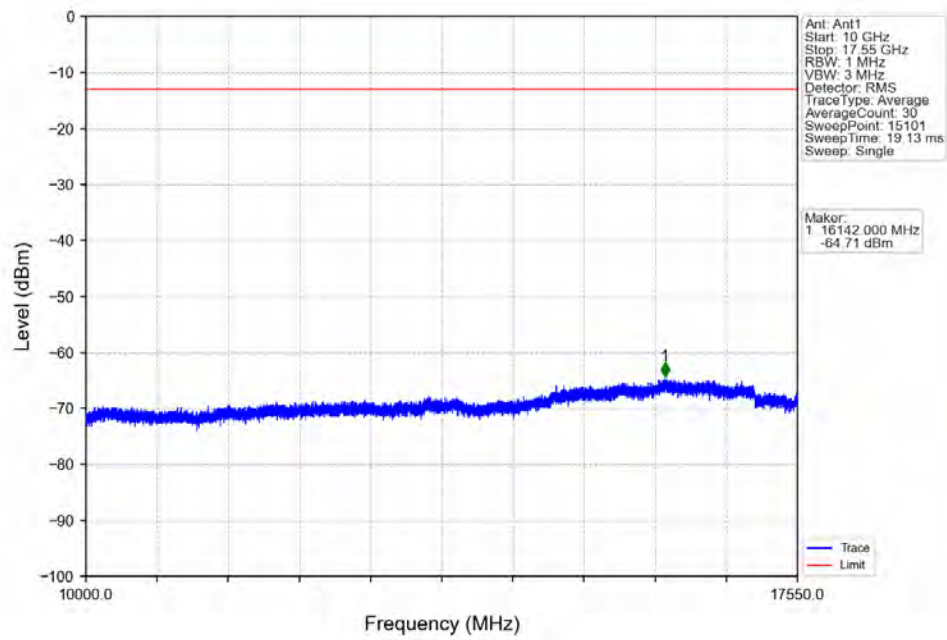
6.1.1 Test Result

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

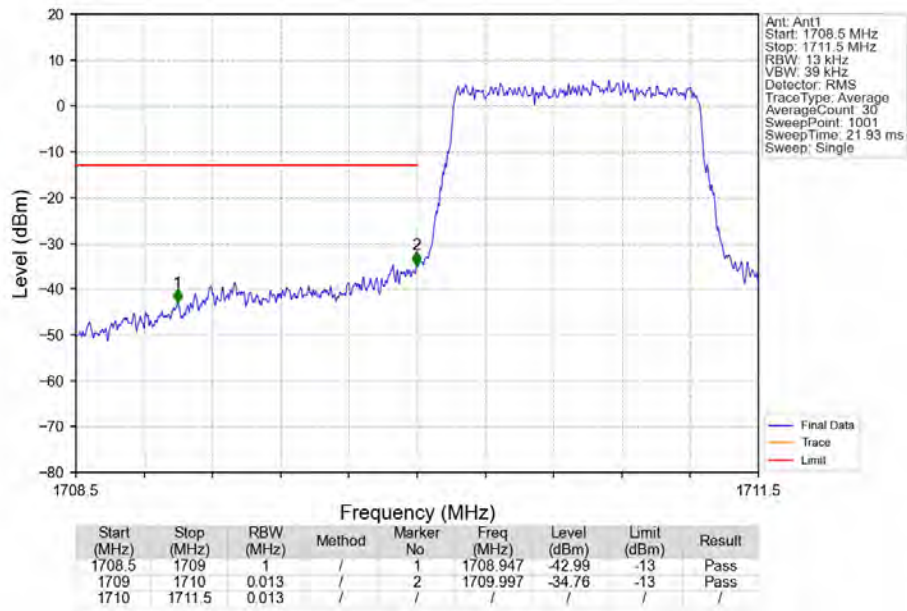
6.1.2 Test Graph



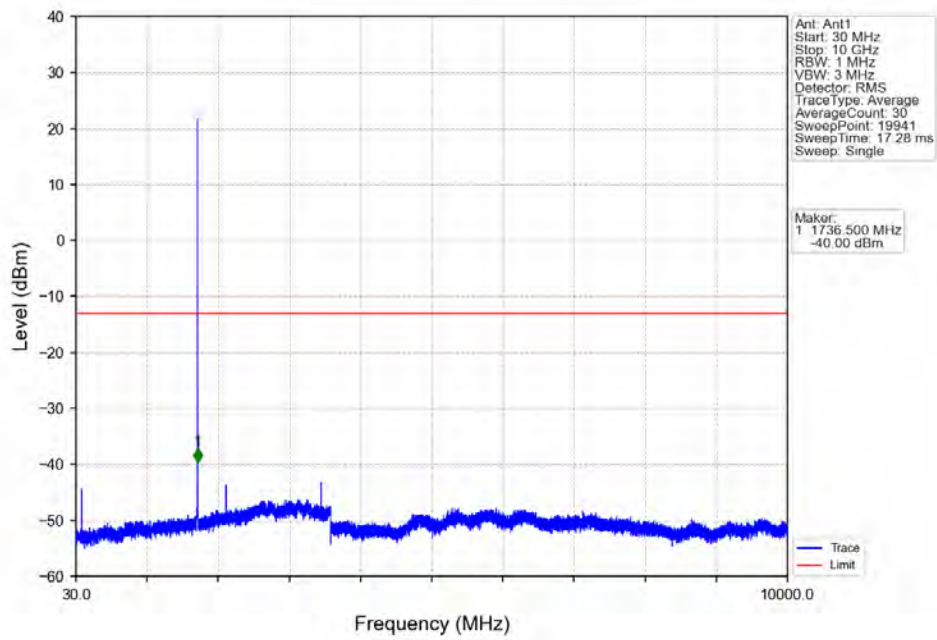
Band4 1.4MHz QPSK LCH 1710.7MHz RB 1 0 NTV



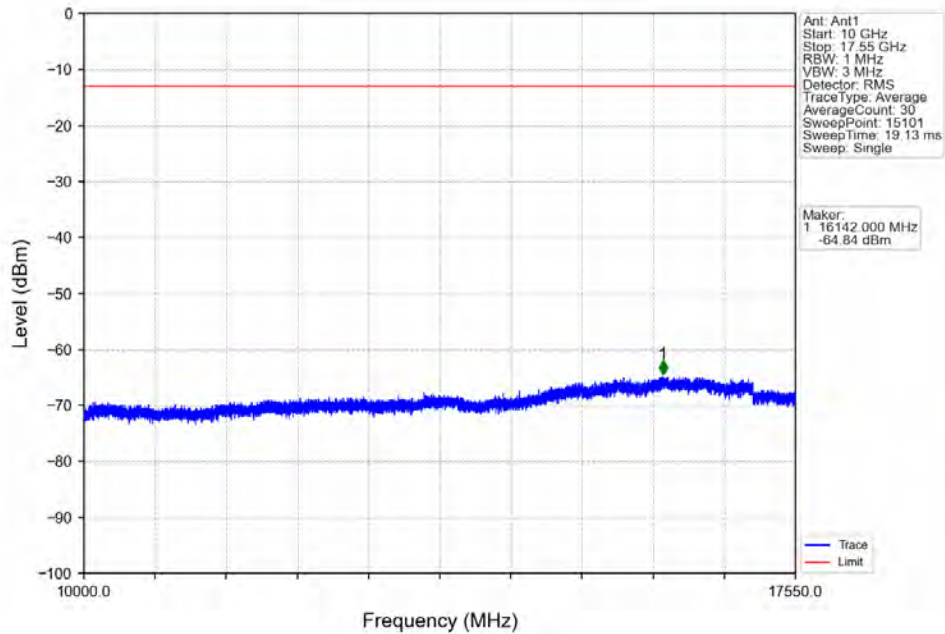
Band4 1.4MHz QPSK LCH 1710.7MHz RB 6 0 NTV



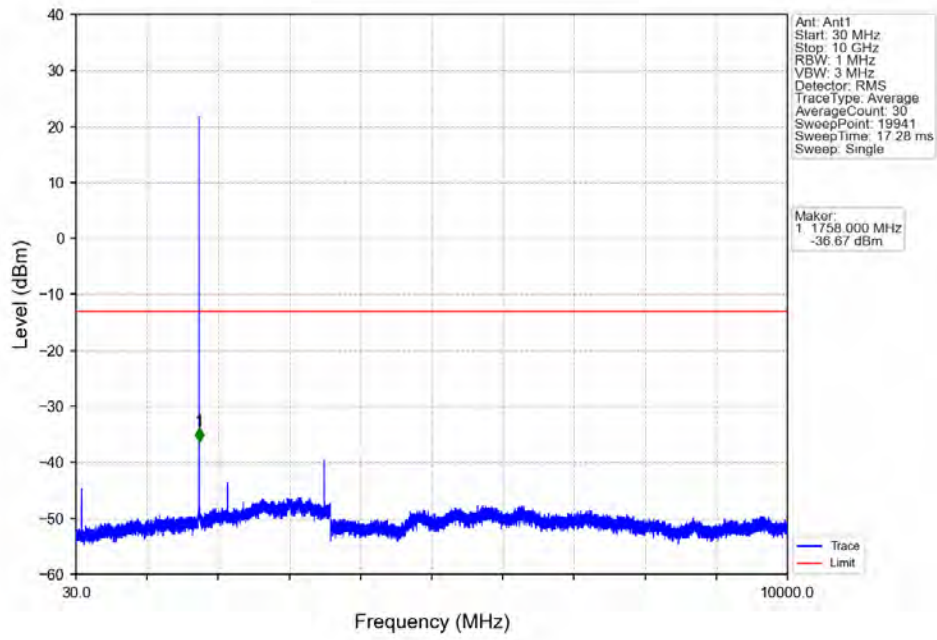
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



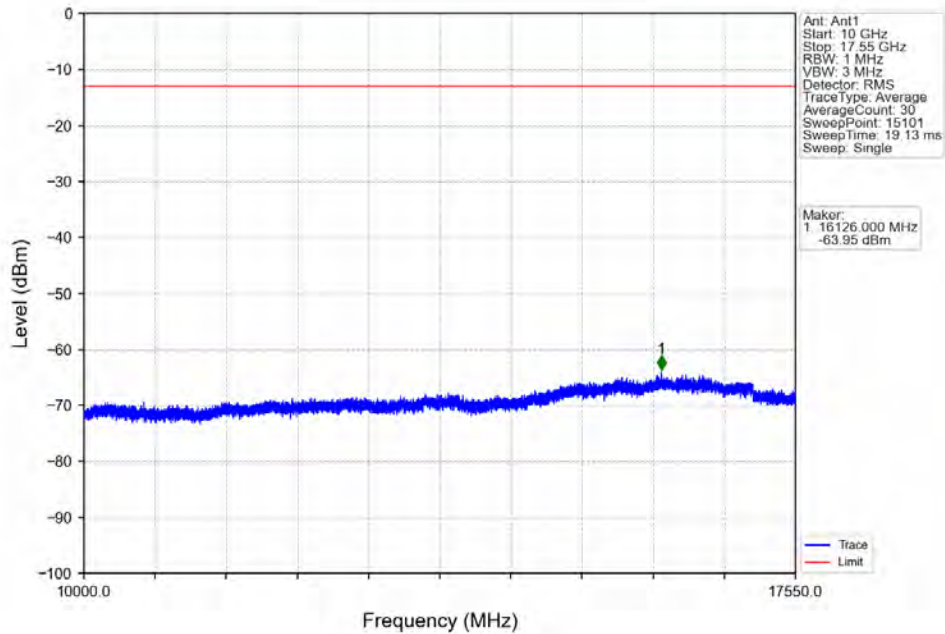
Band4 1.4MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



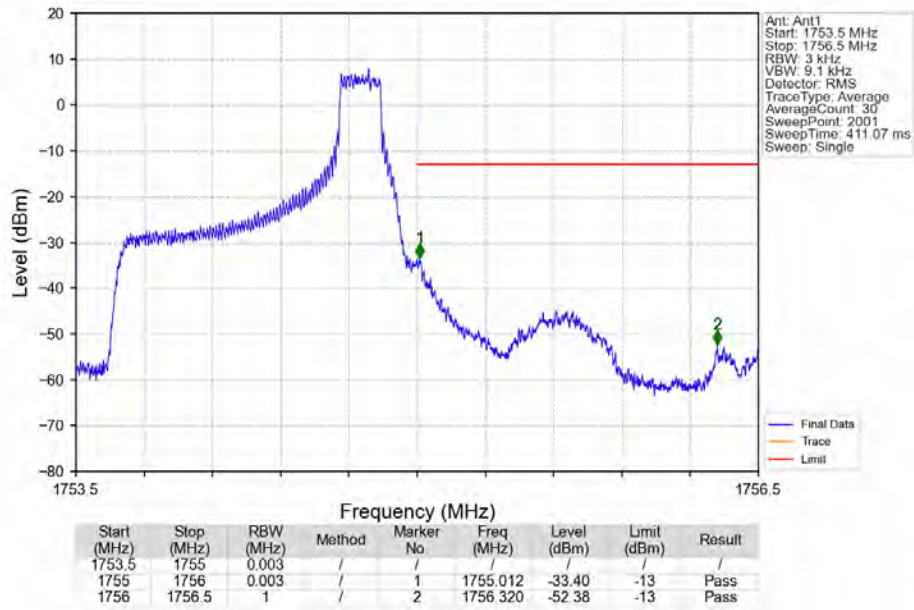
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



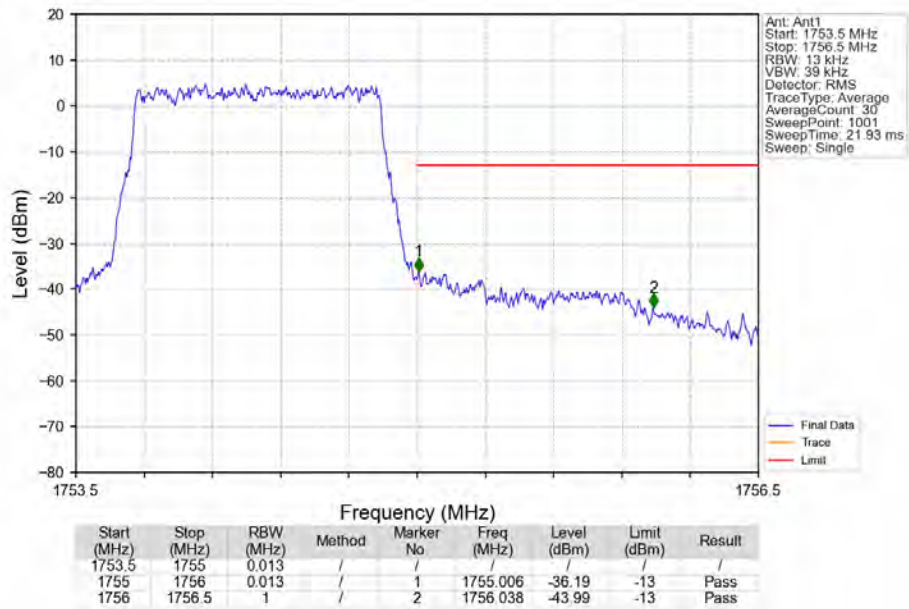
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 0 NTNV



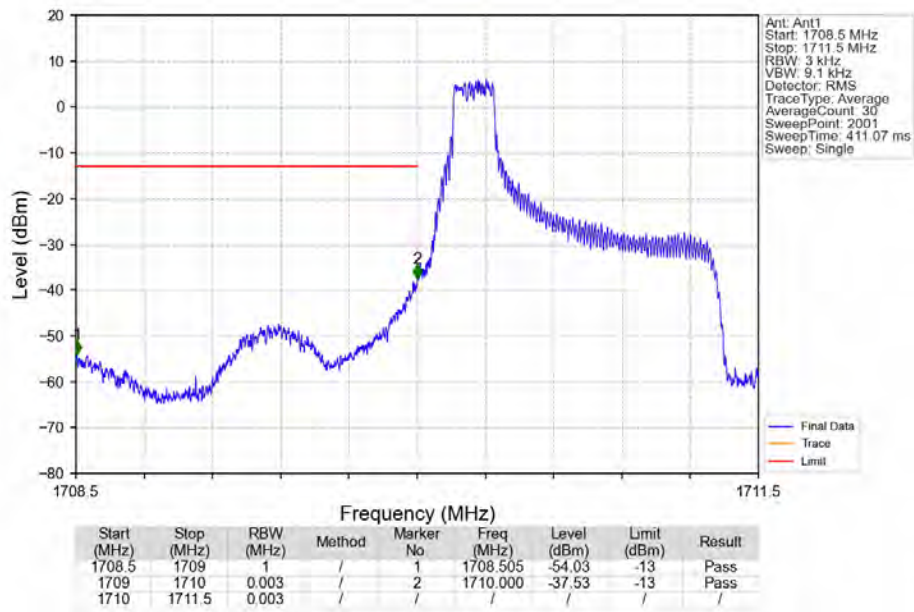
Band4 1.4MHz QPSK HCH 1754.3MHz RB 1 5 NTV



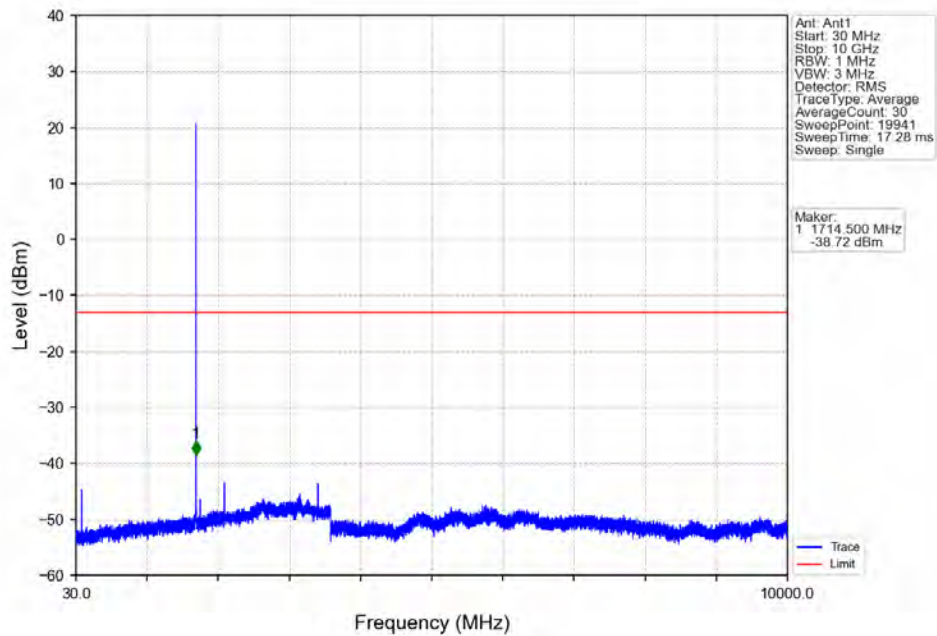
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV



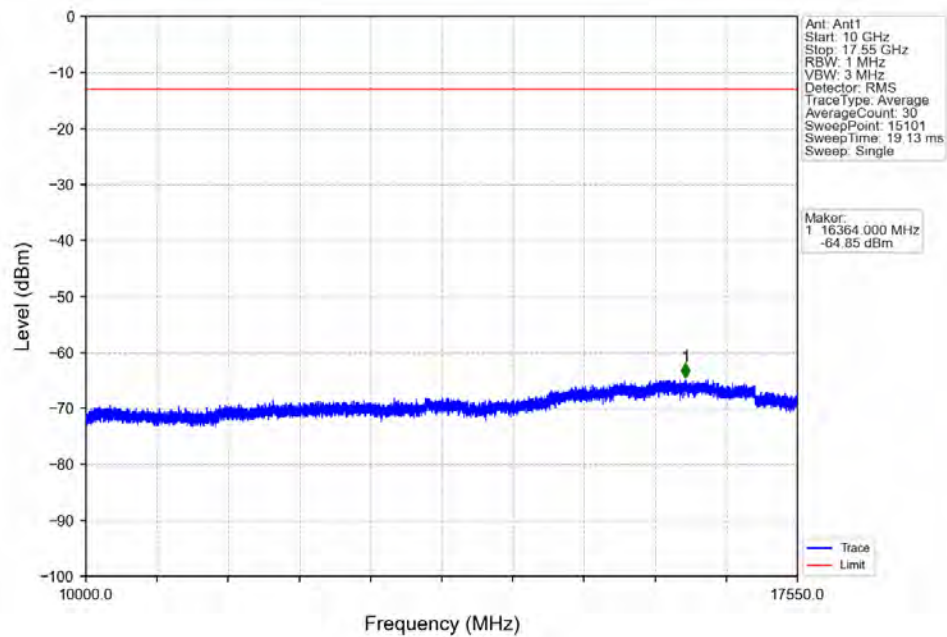
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV



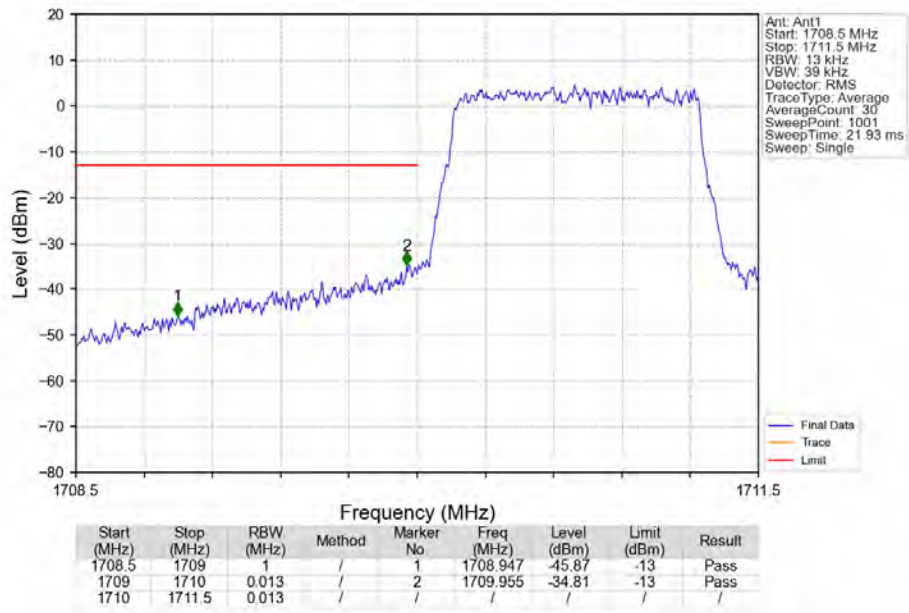
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTNV



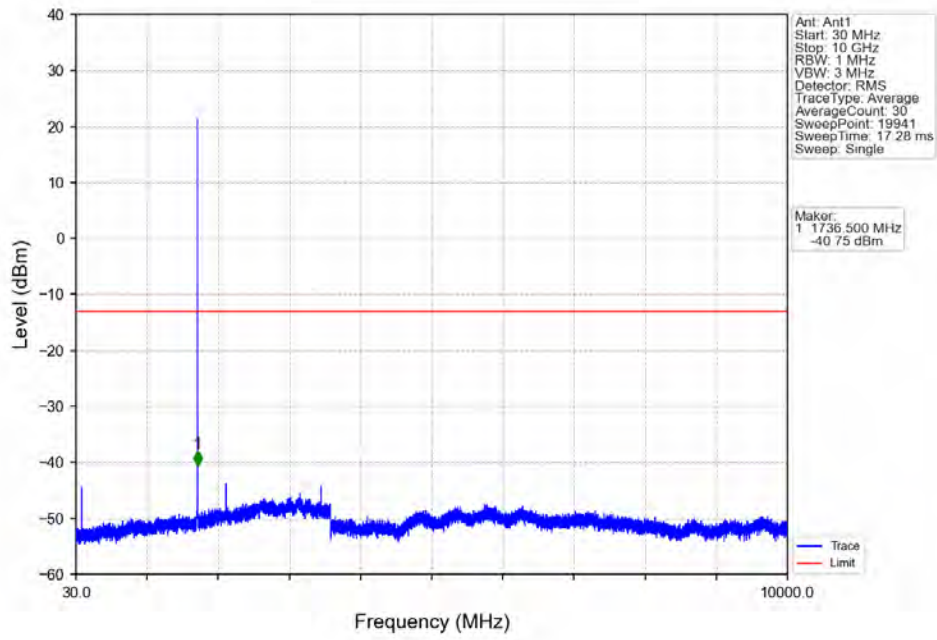
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 1 0 NTV



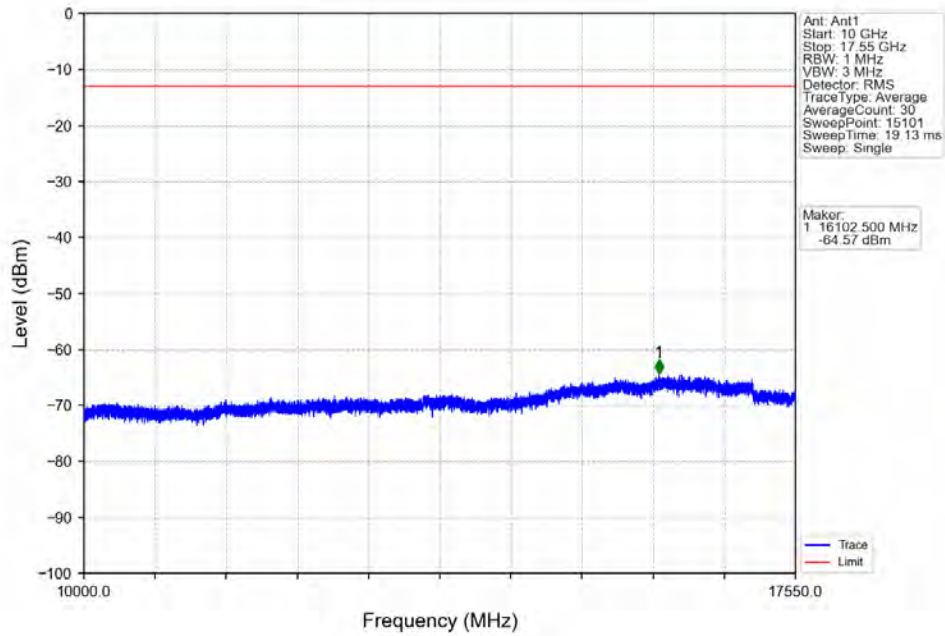
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV



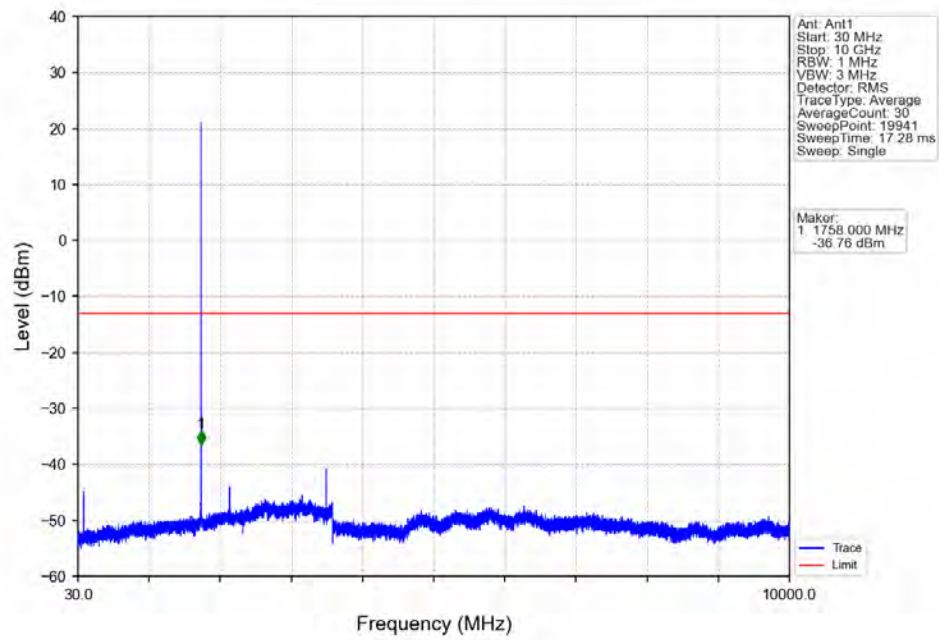
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



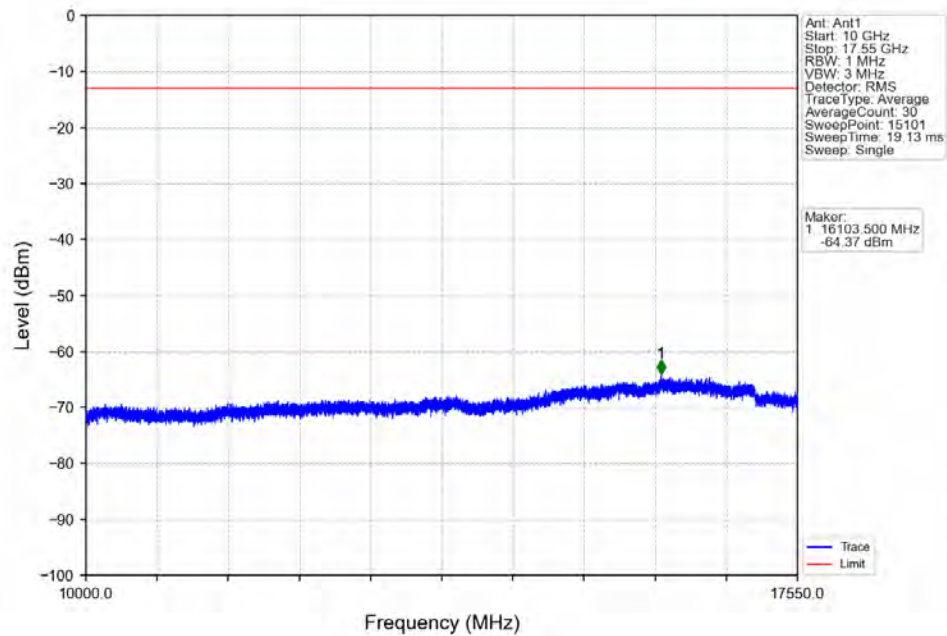
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



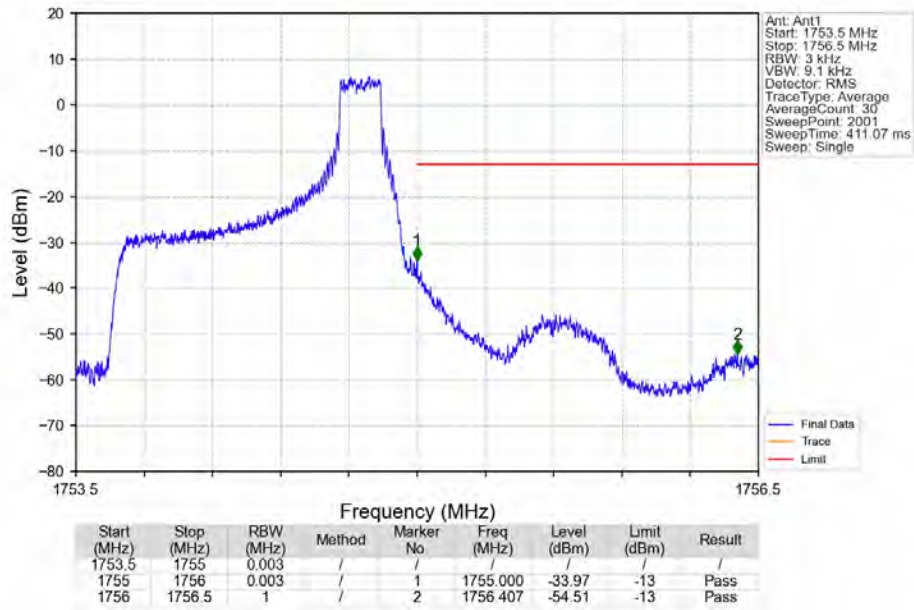
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



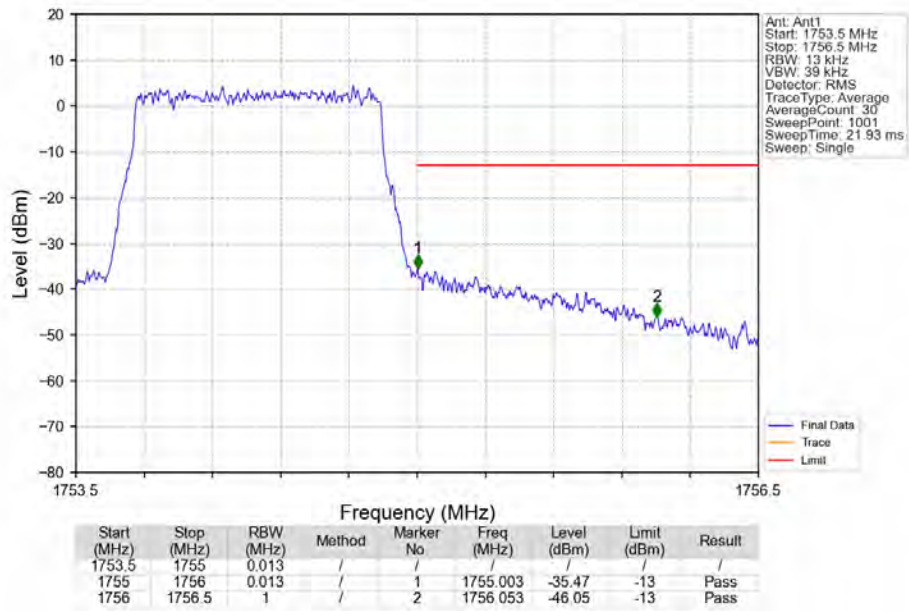
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 1 0 NTNV



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



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

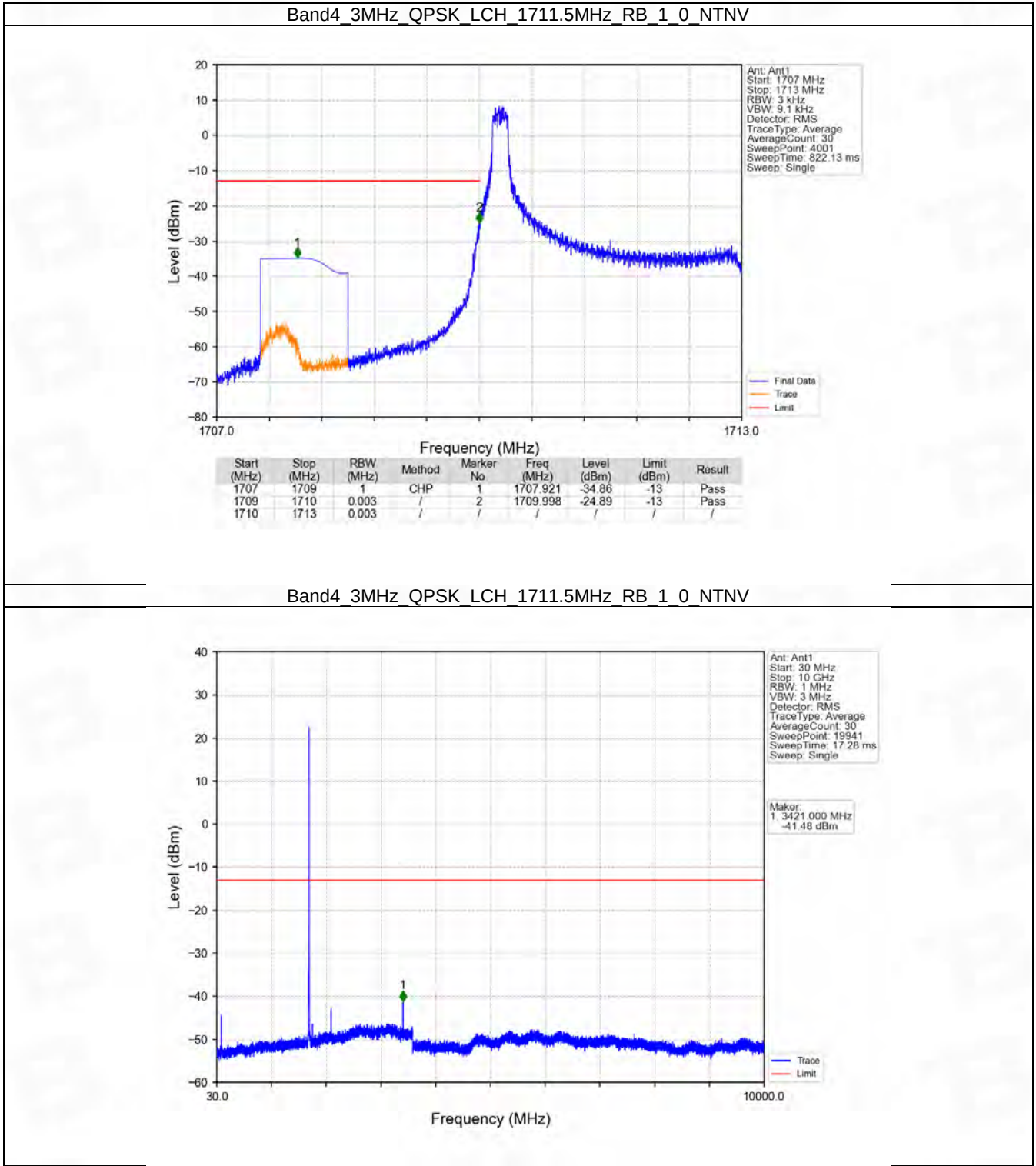


6.2 B4_3MHz

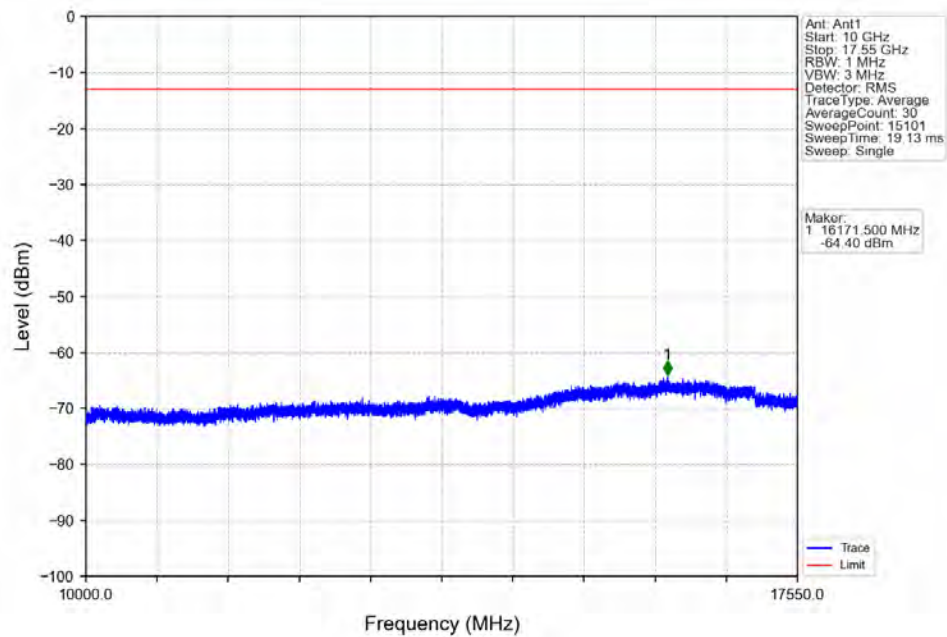
6.2.1 Test Result

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

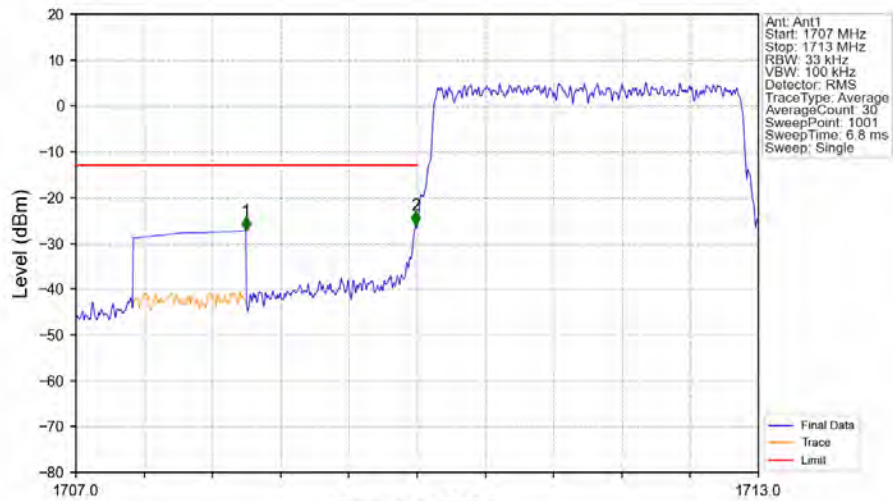
6.2.2 Test Graph



Band4 3MHz QPSK LCH 1711.5MHz RB 1 0 NTNV

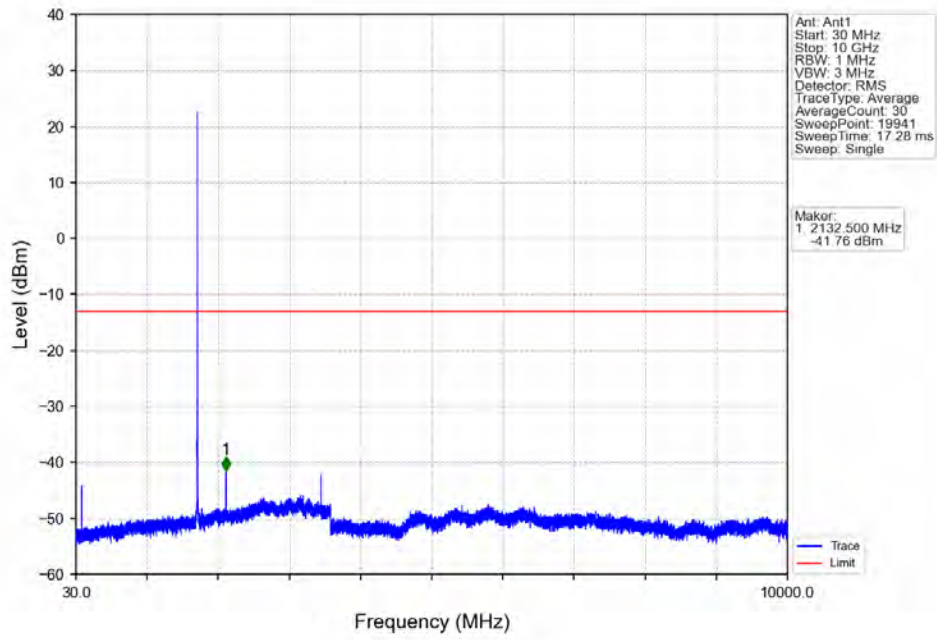


Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV

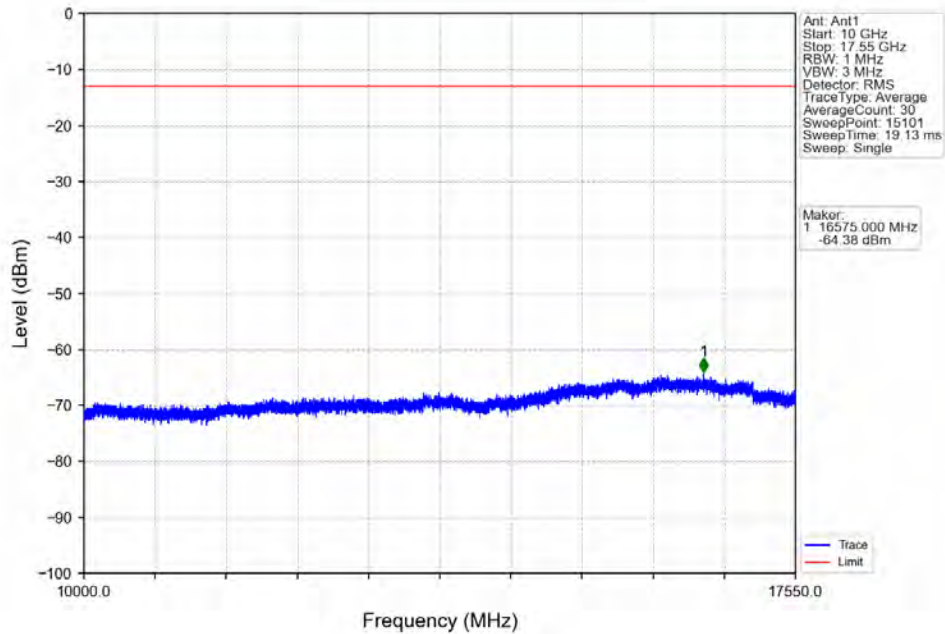


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.494	-27.21	-13	Pass
1709	1710	0.033	/	2	1709.988	-26.04	-13	Pass
1710	1713	0.033	/	/	/	/	/	/

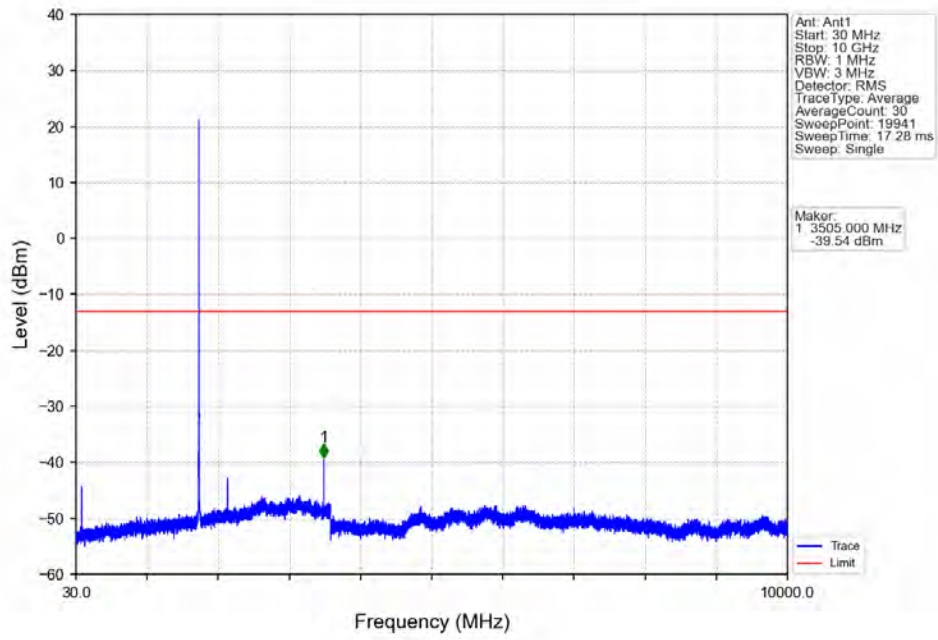
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



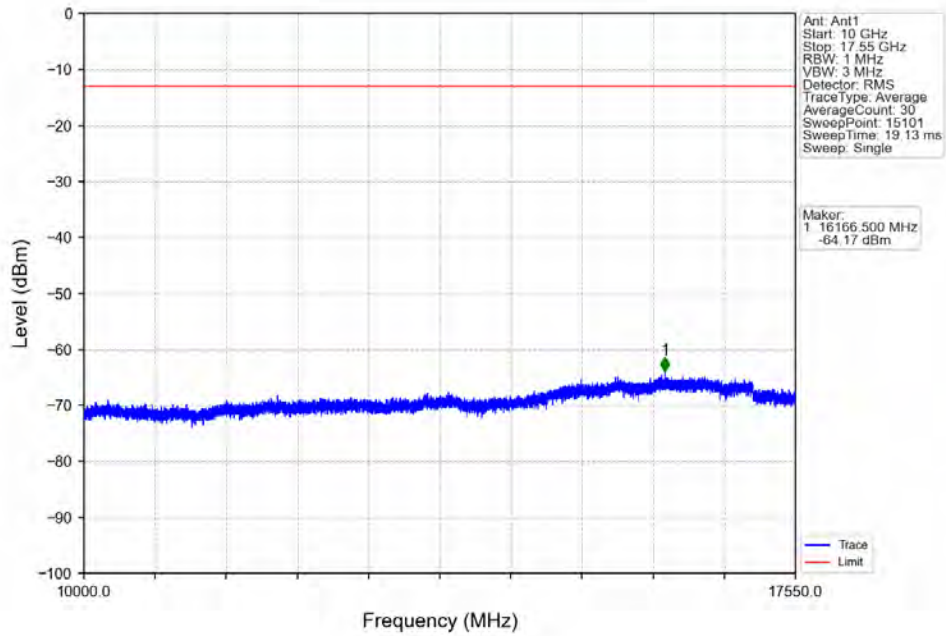
Band4 3MHz QPSK MCH 1732.5MHz RB 1 0 NTN



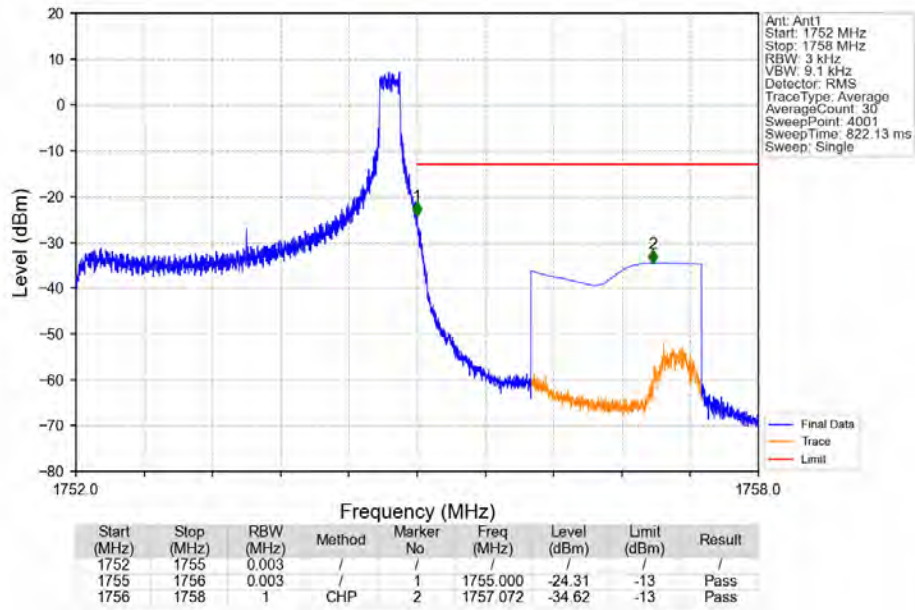
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



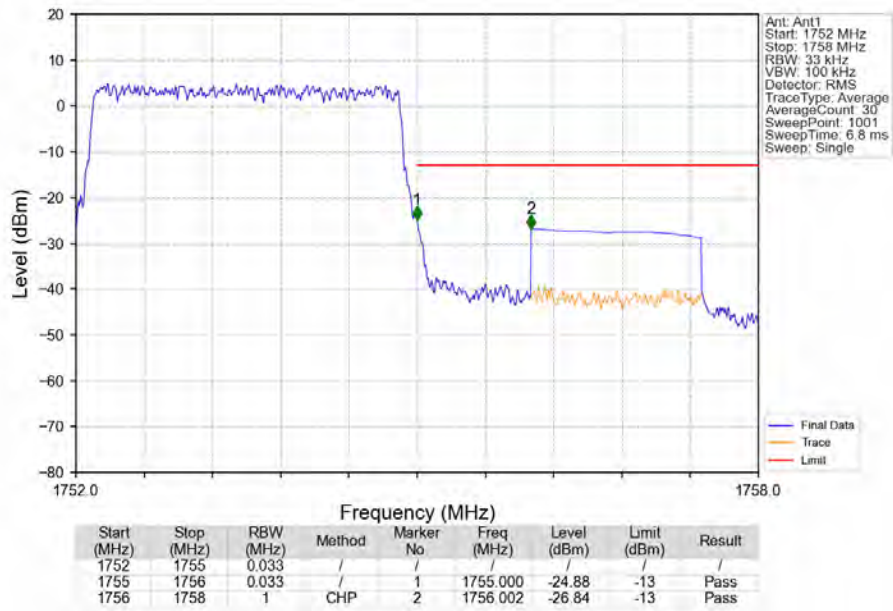
Band4 3MHz QPSK HCH 1753.5MHz RB 1 0 NTN



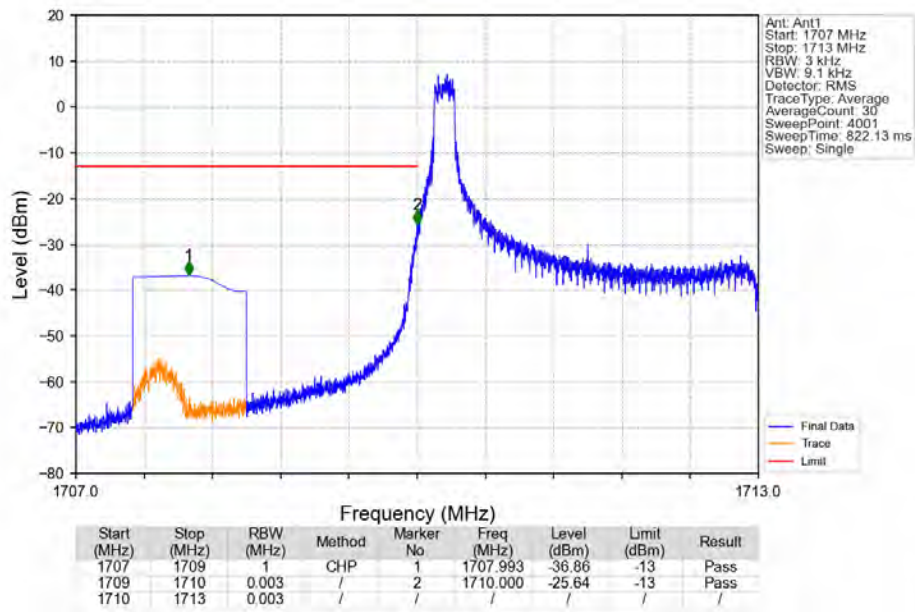
Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



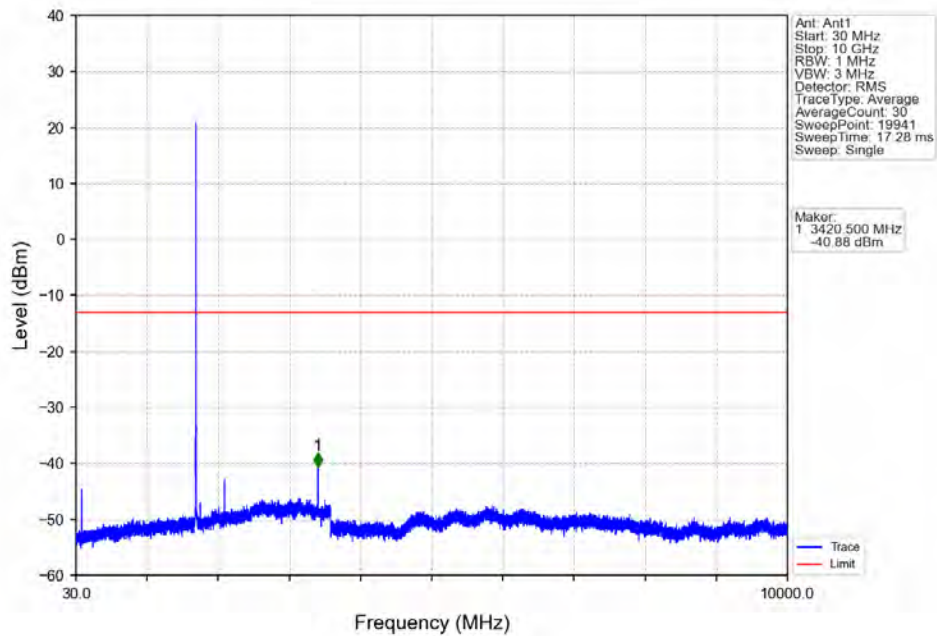
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



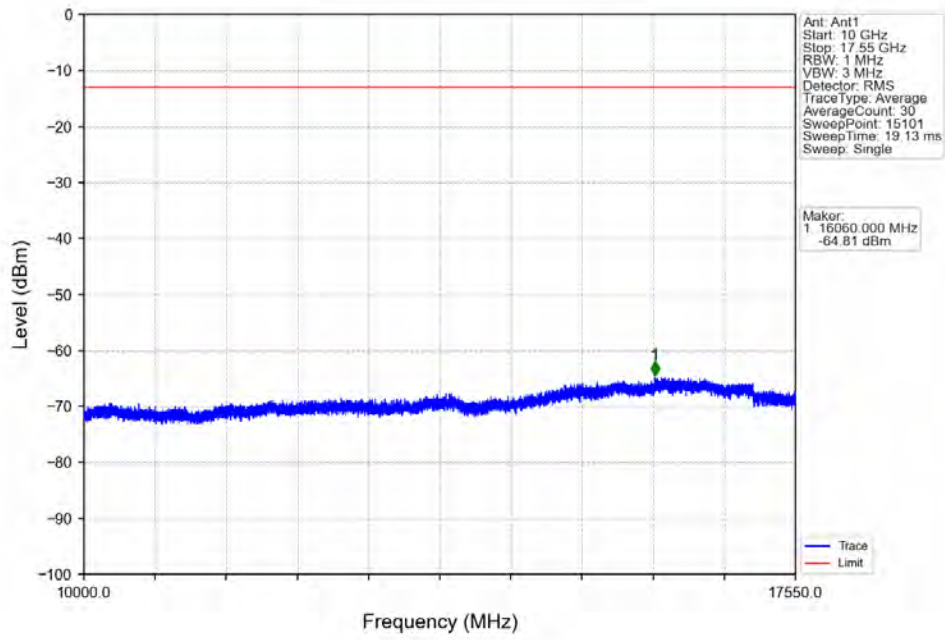
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTV



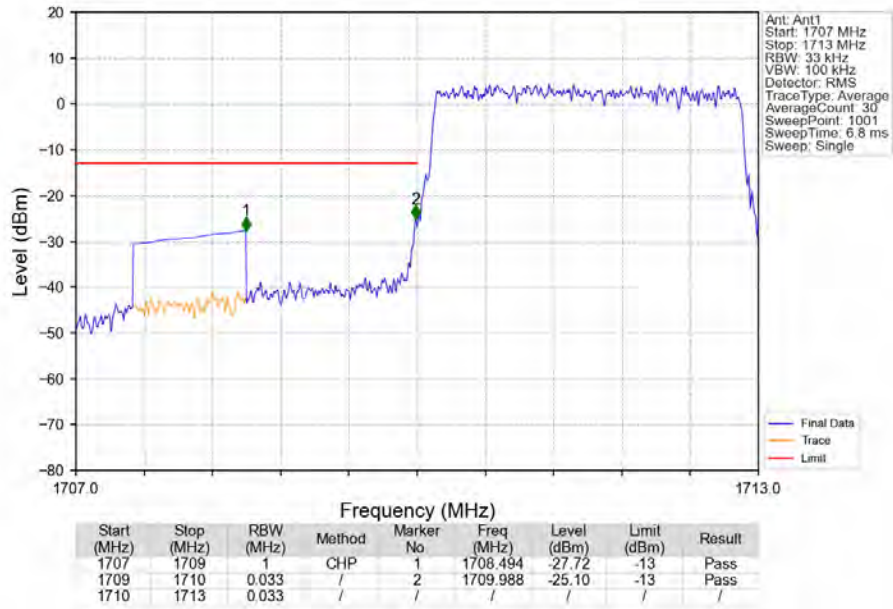
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTV



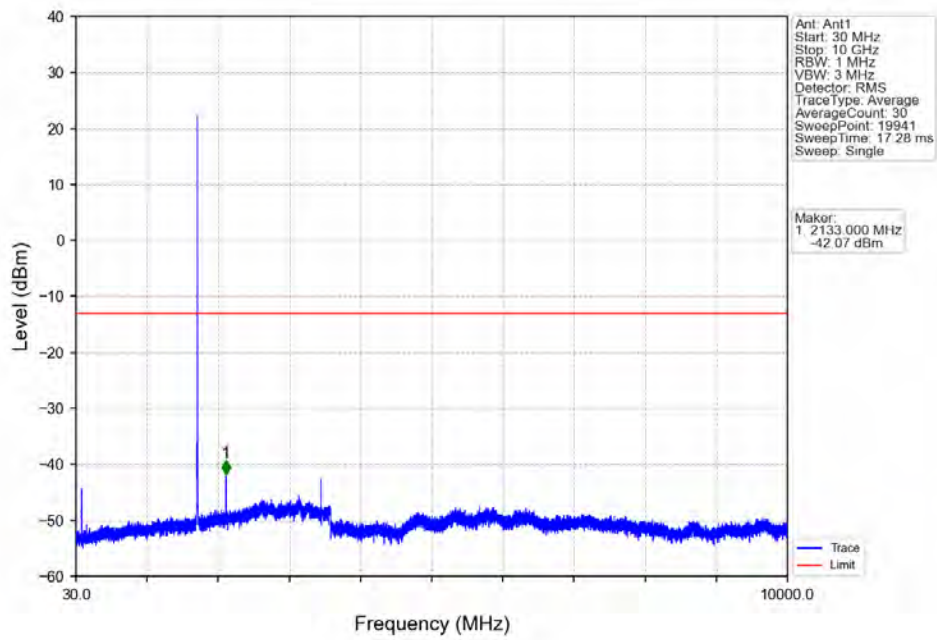
Band4 3MHz 16QAM LCH 1711.5MHz RB 1 0 NTNV



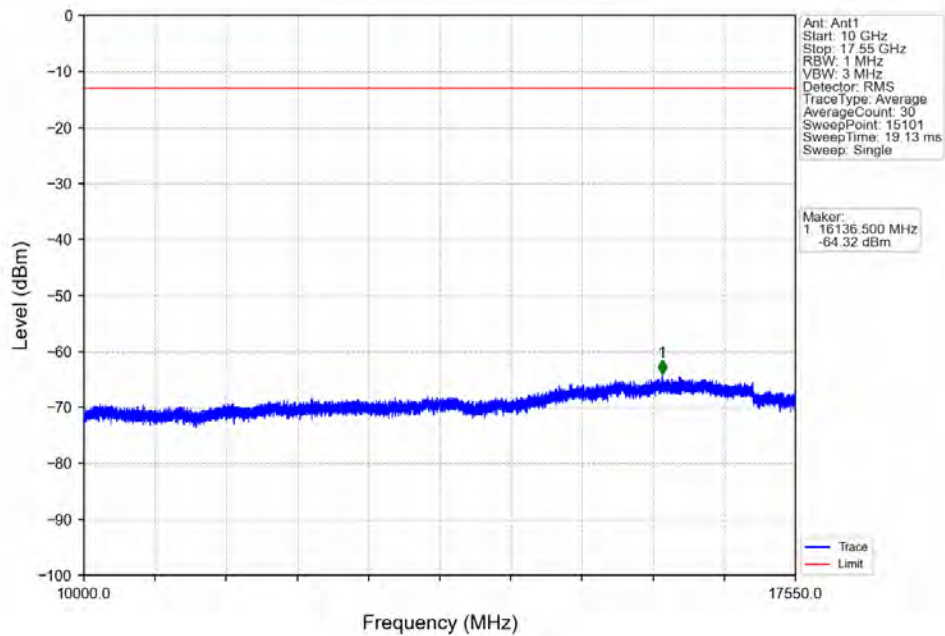
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV



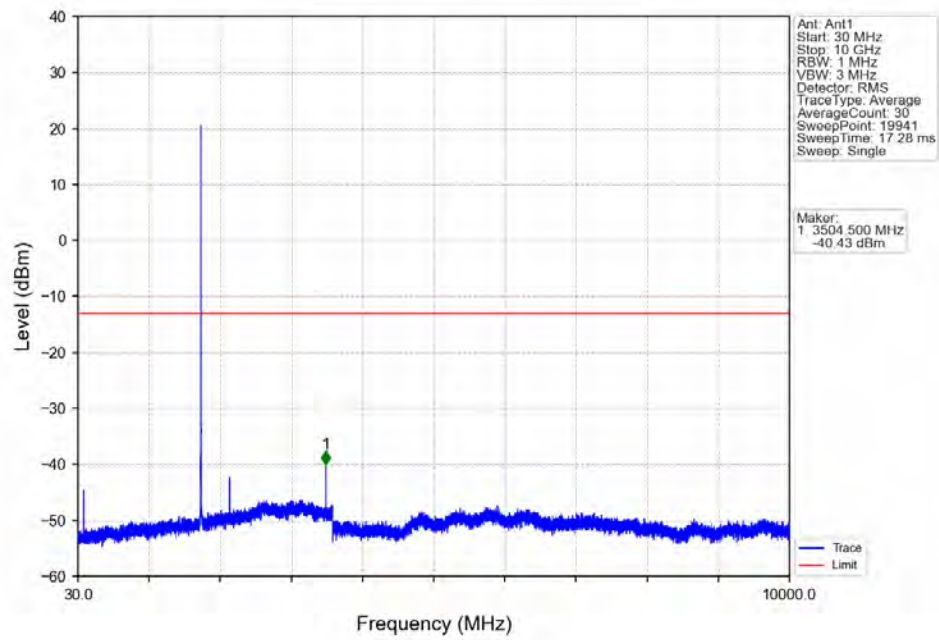
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



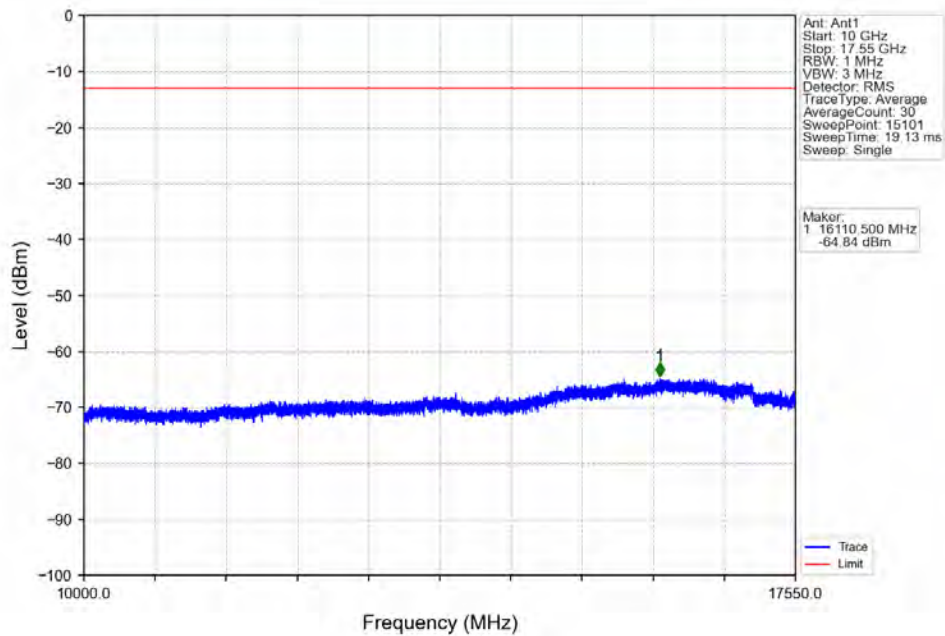
Band4 3MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



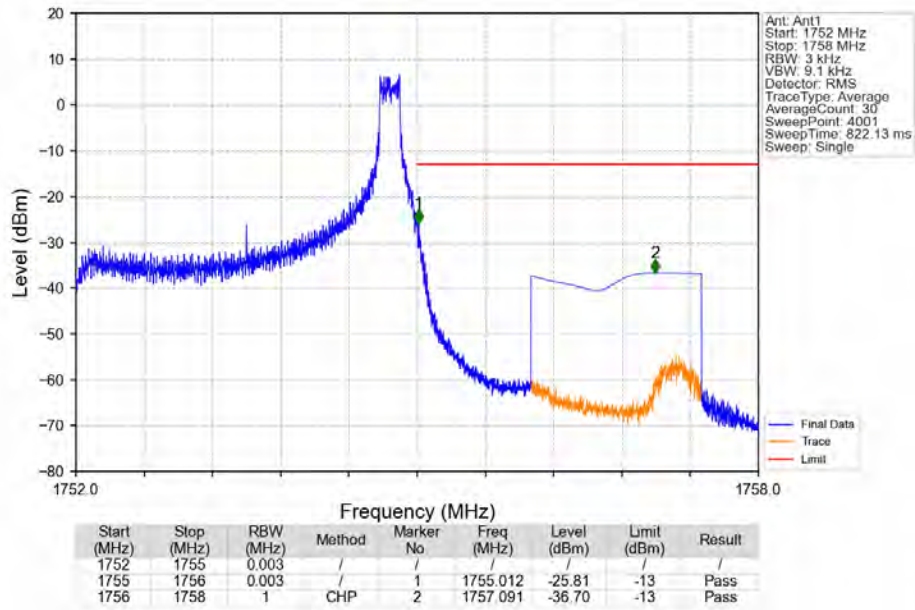
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTV



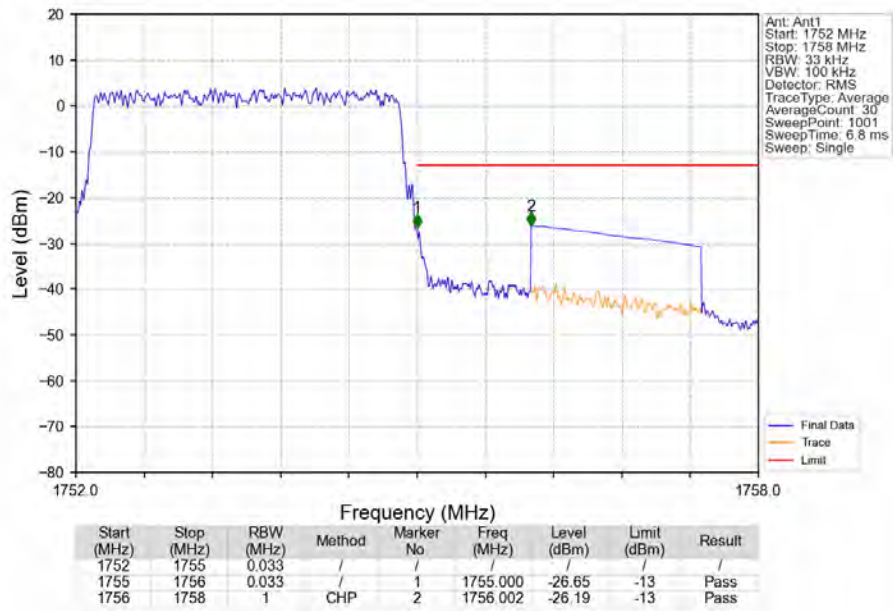
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 0 NTV



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



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

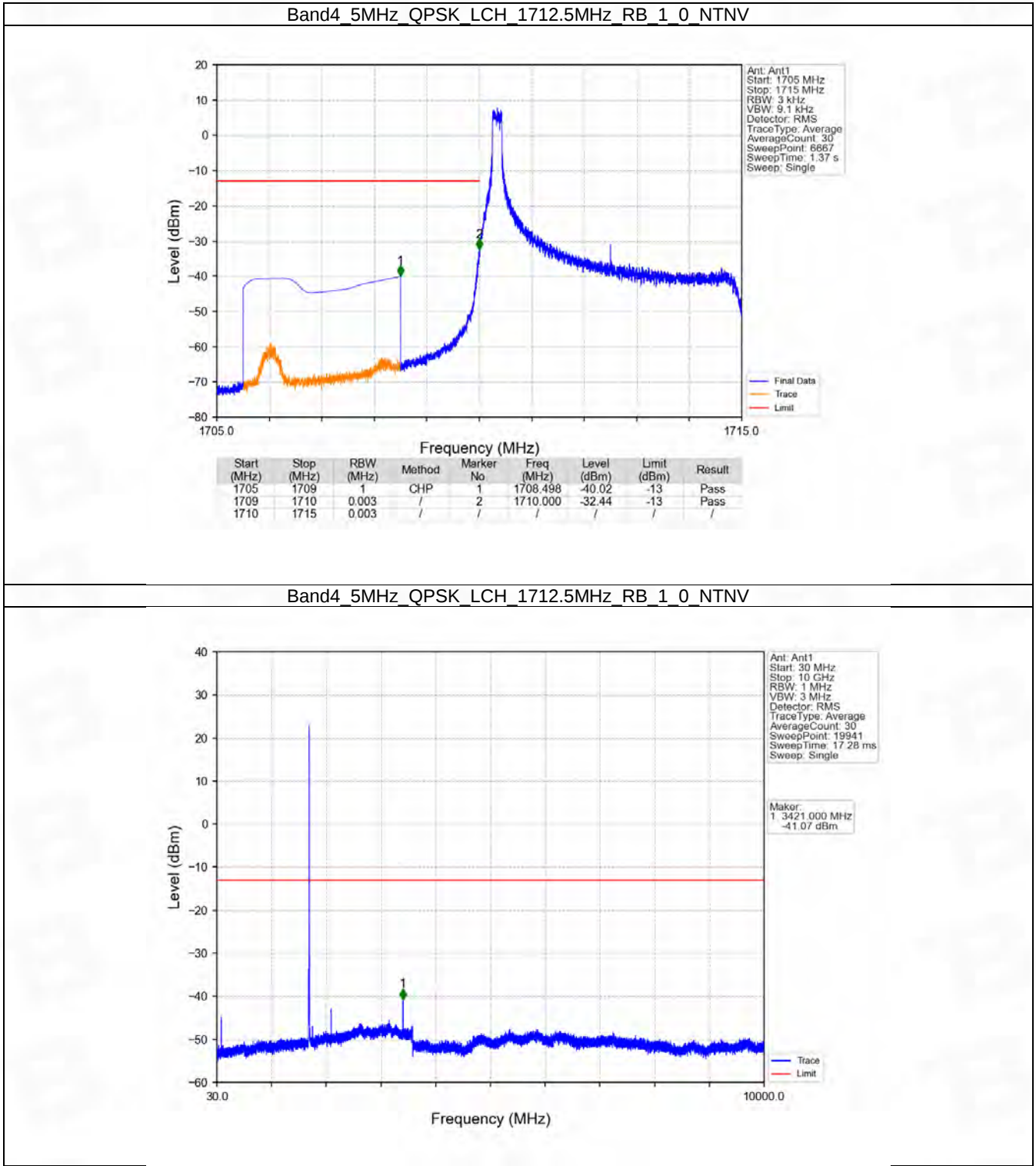


6.3 B4_5MHz

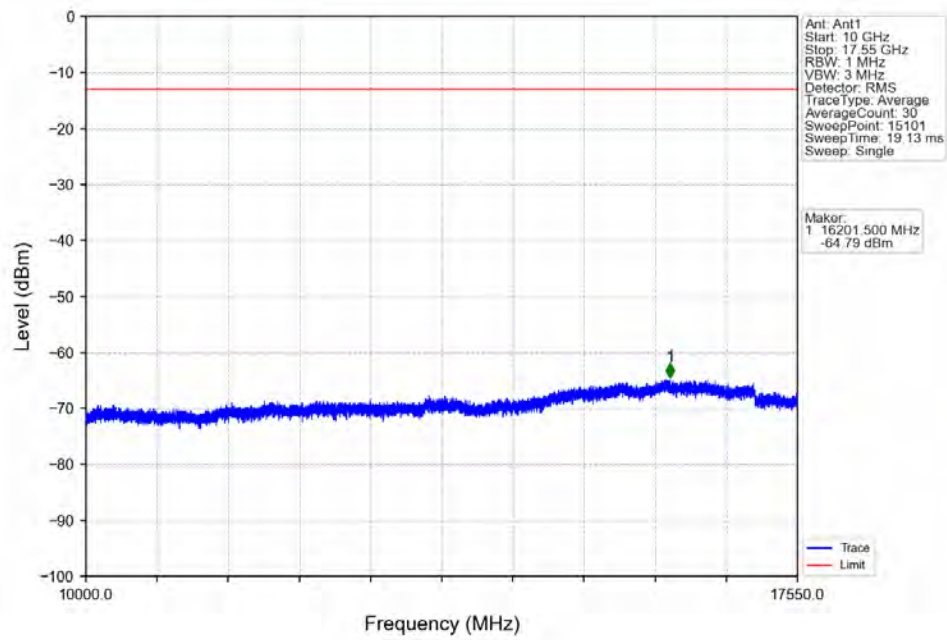
6.3.1 Test Result

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

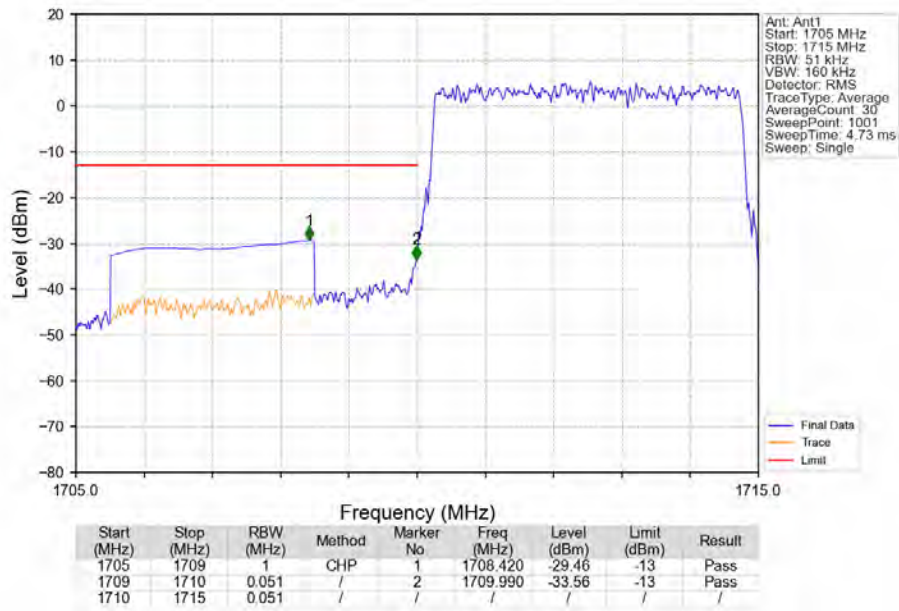
6.3.2 Test Graph



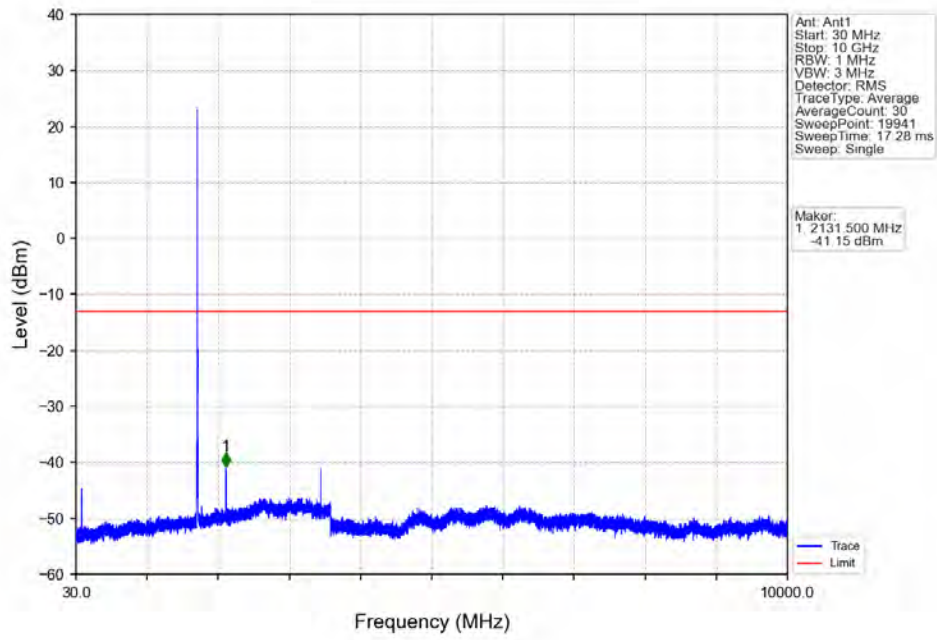
Band4 5MHz QPSK LCH 1712.5MHz RB 1 0 NTNV



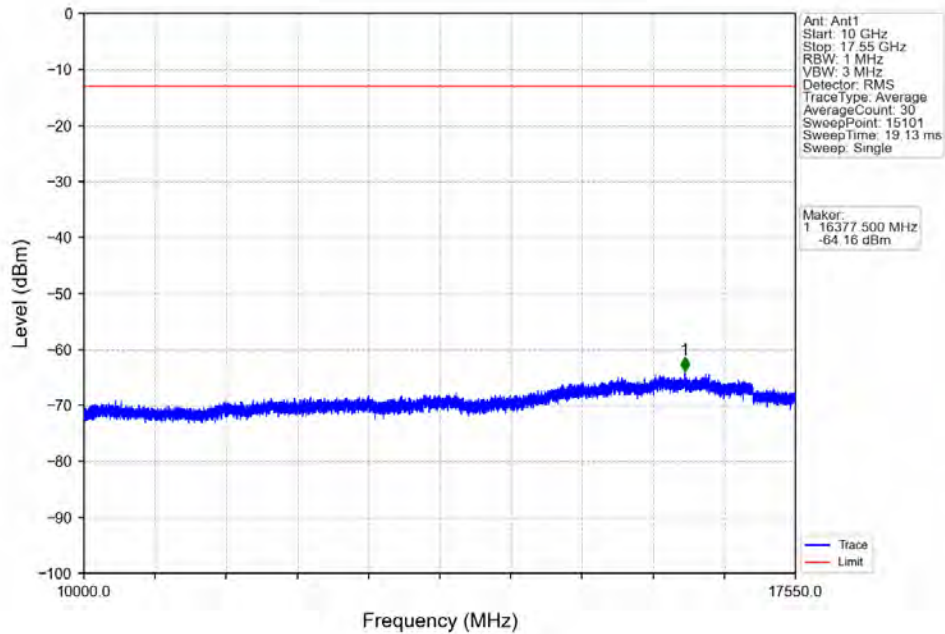
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



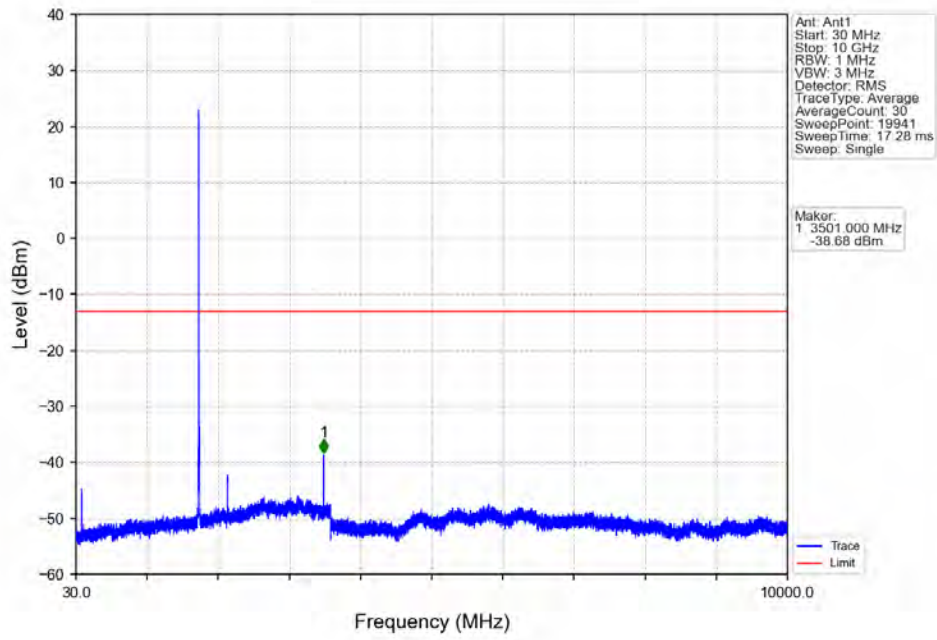
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



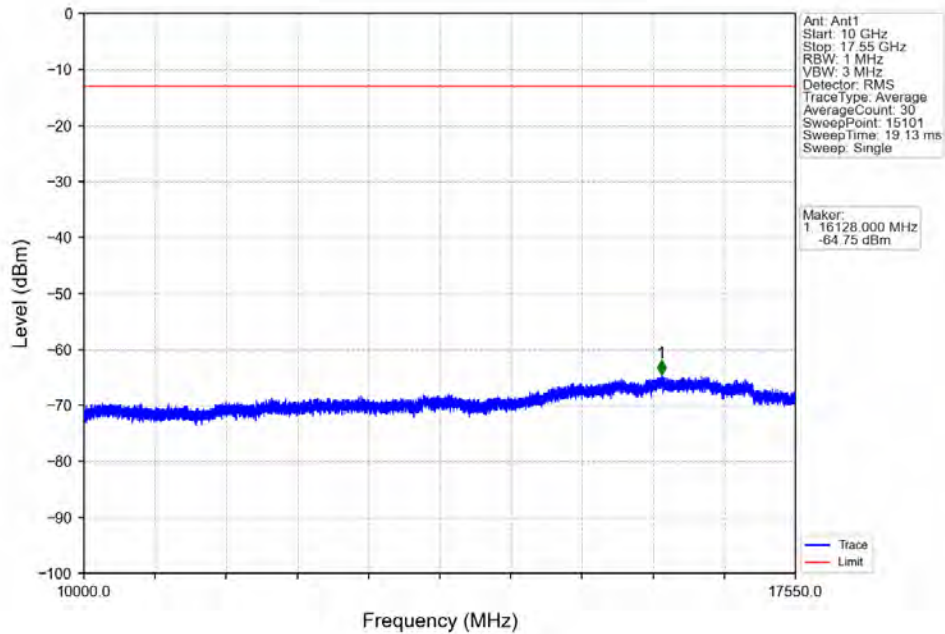
Band4 5MHz QPSK MCH 1732.5MHz RB 1 0 NTN



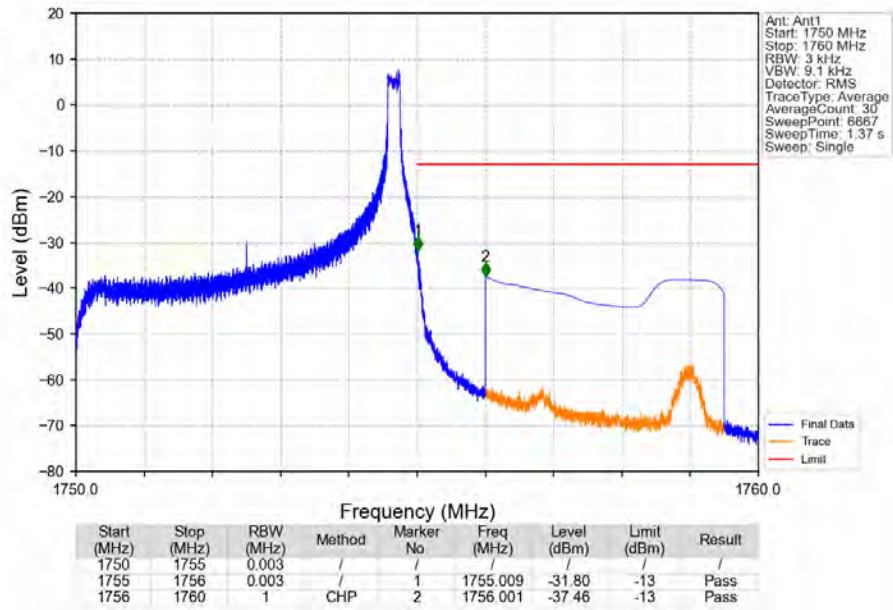
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



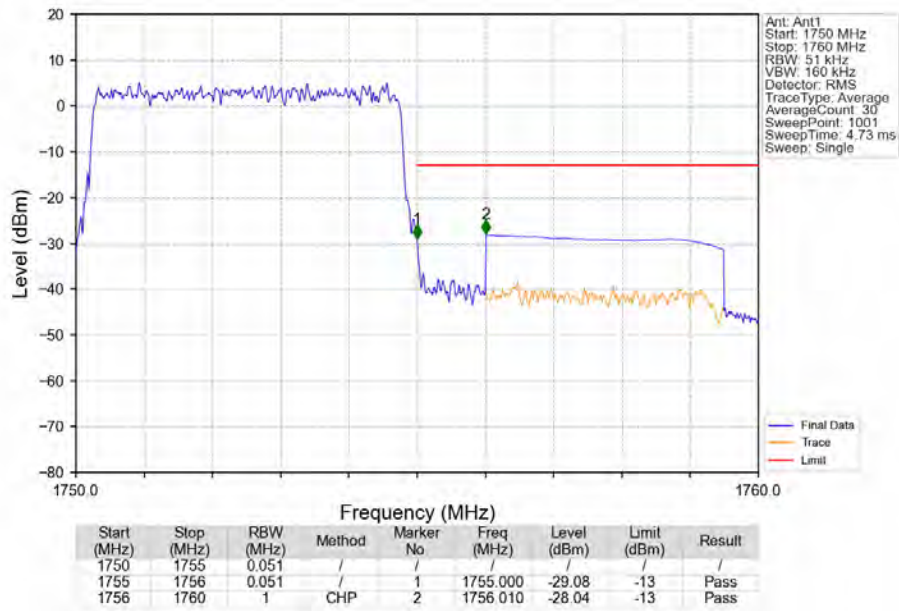
Band4 5MHz QPSK HCH 1752.5MHz RB 1 0 NTN



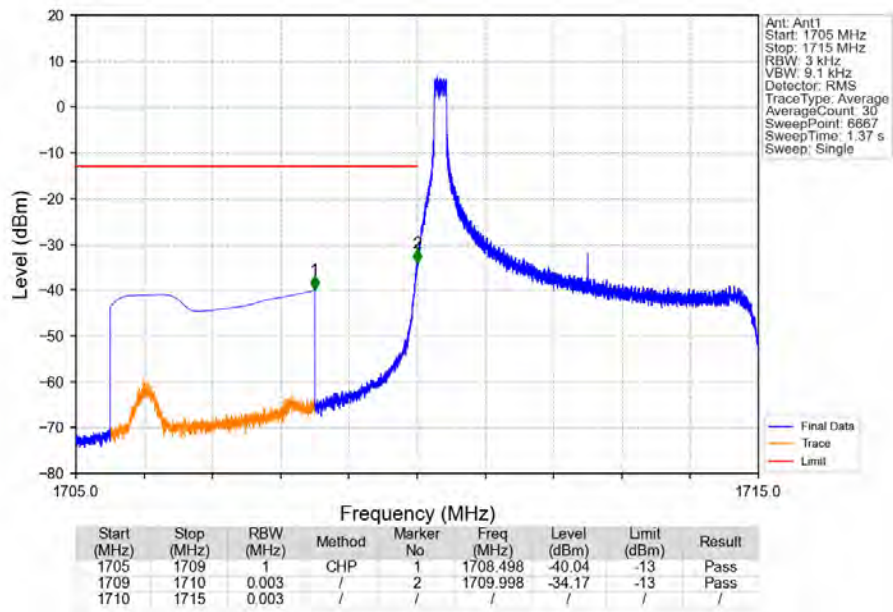
Band4 5MHz QPSK HCH 1752.5MHz RB 1 24 NTV



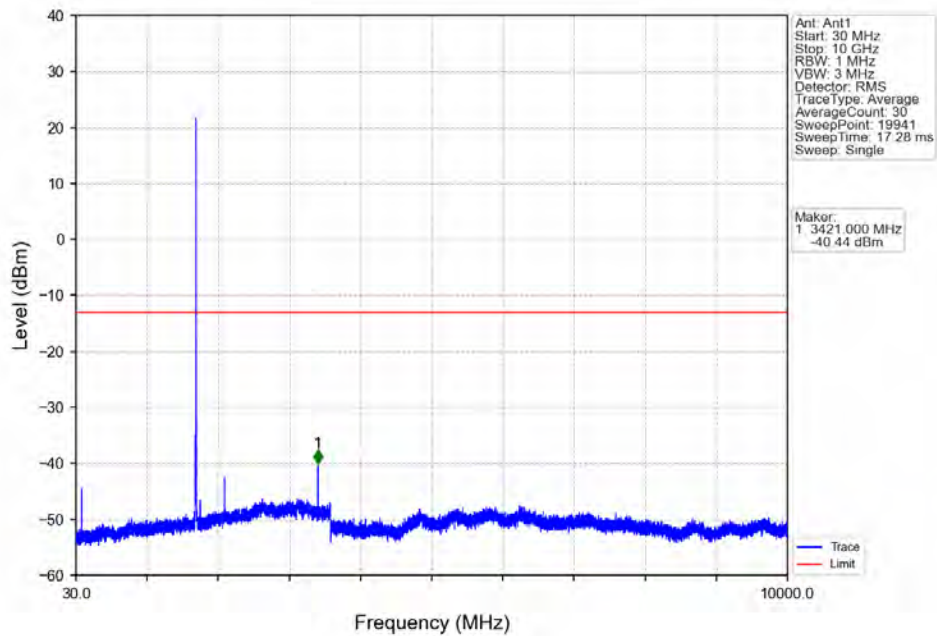
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTV



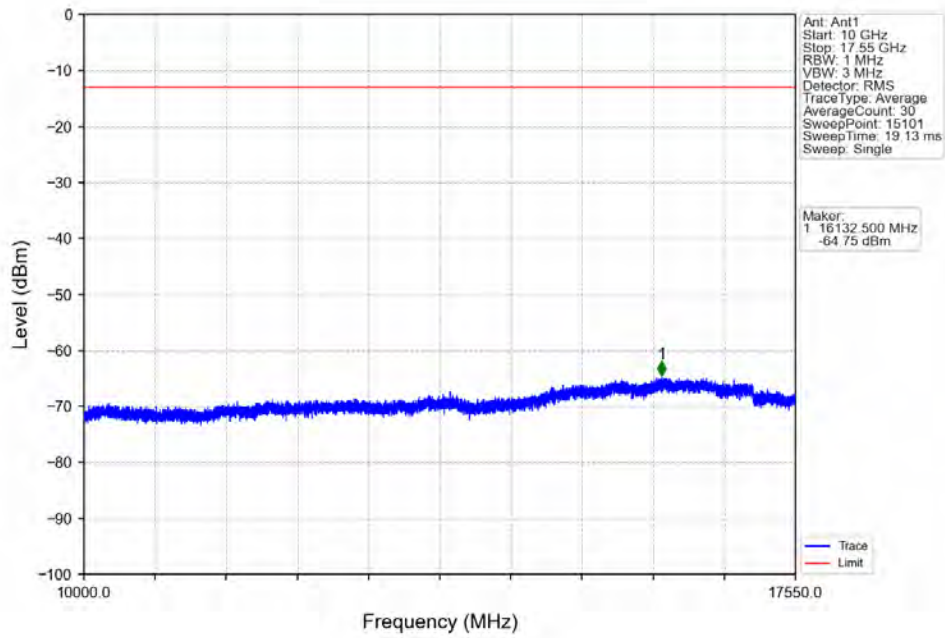
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTV



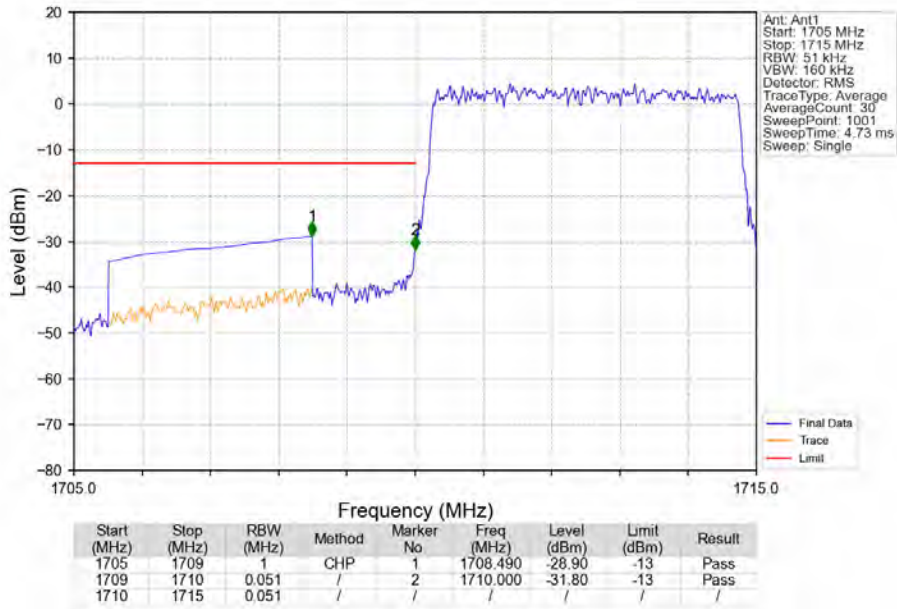
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTV



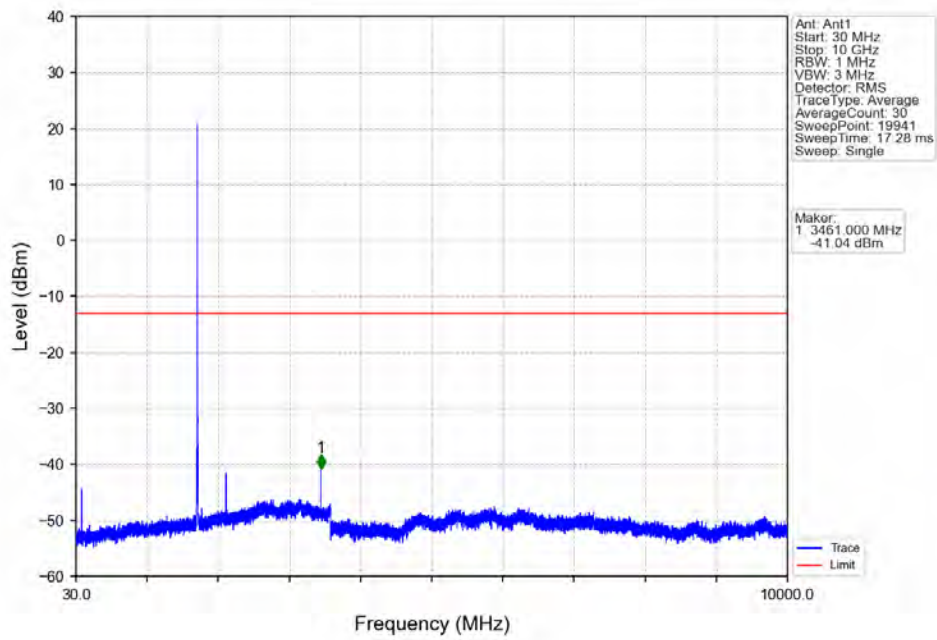
Band4 5MHz 16QAM LCH 1712.5MHz RB 1 0 NTNV



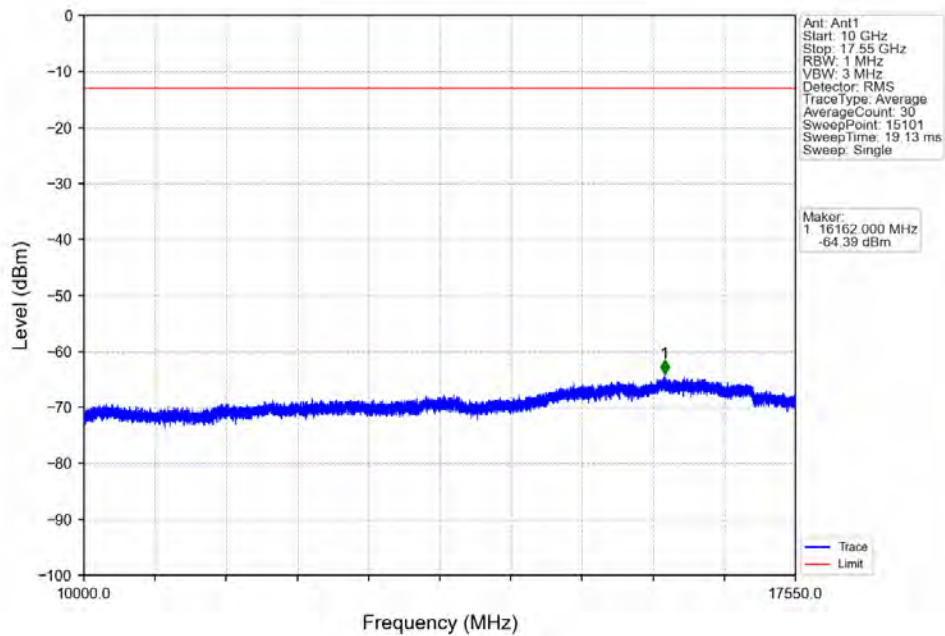
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTNV



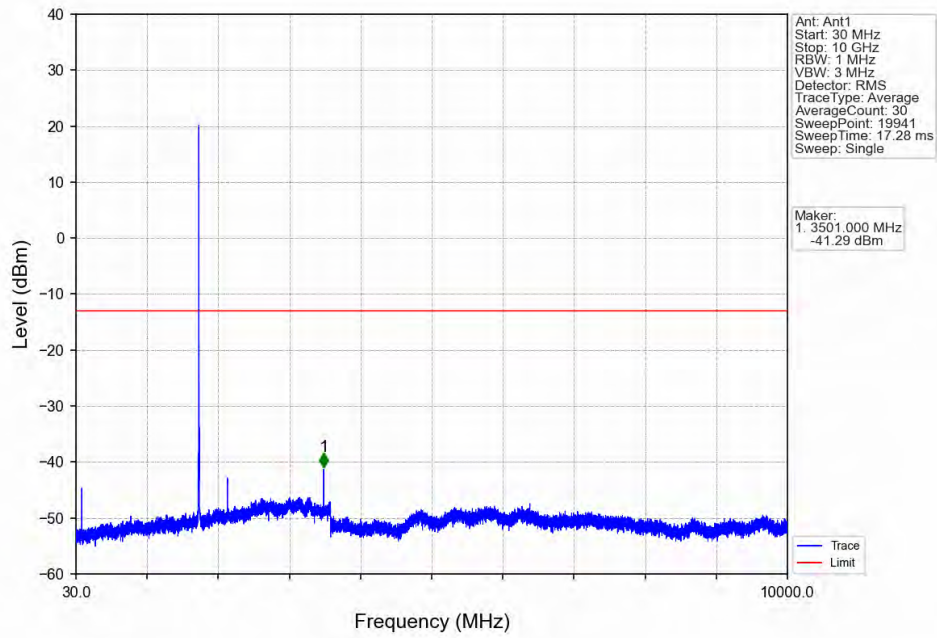
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



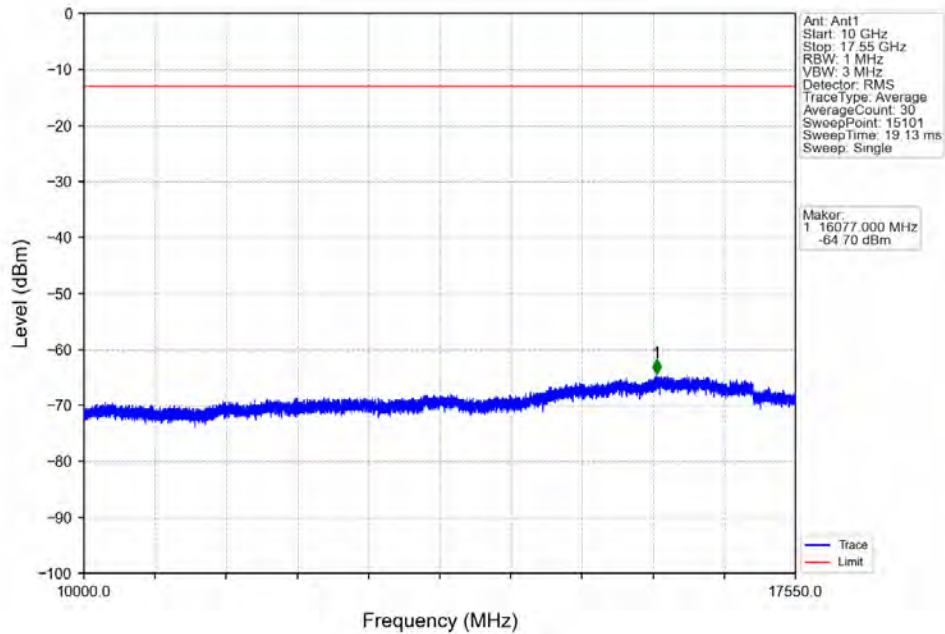
Band4 5MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



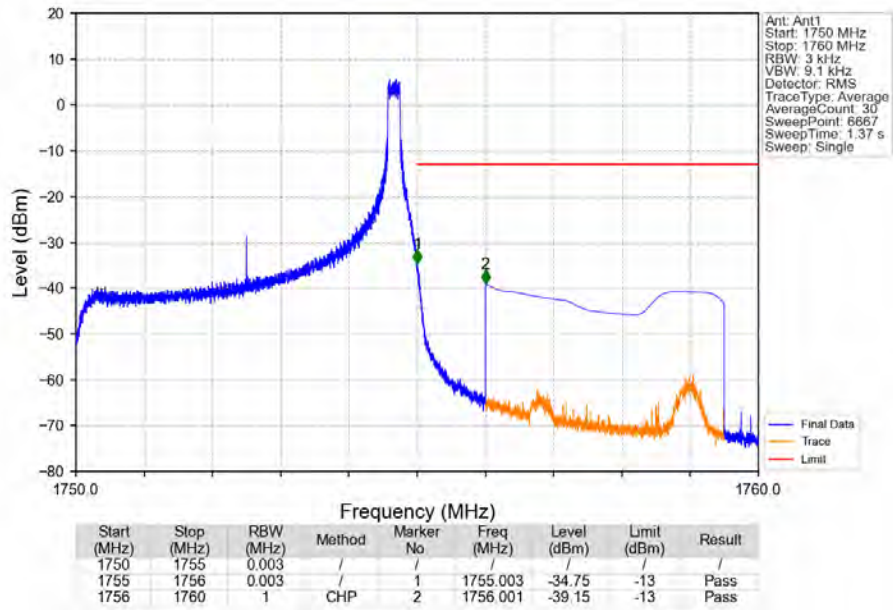
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTNV



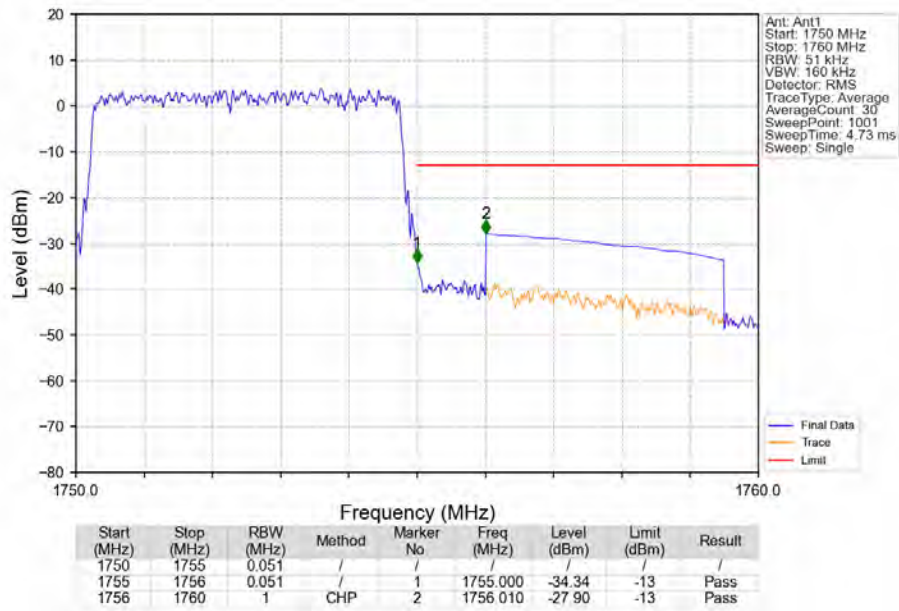
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 0 NTNV



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



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

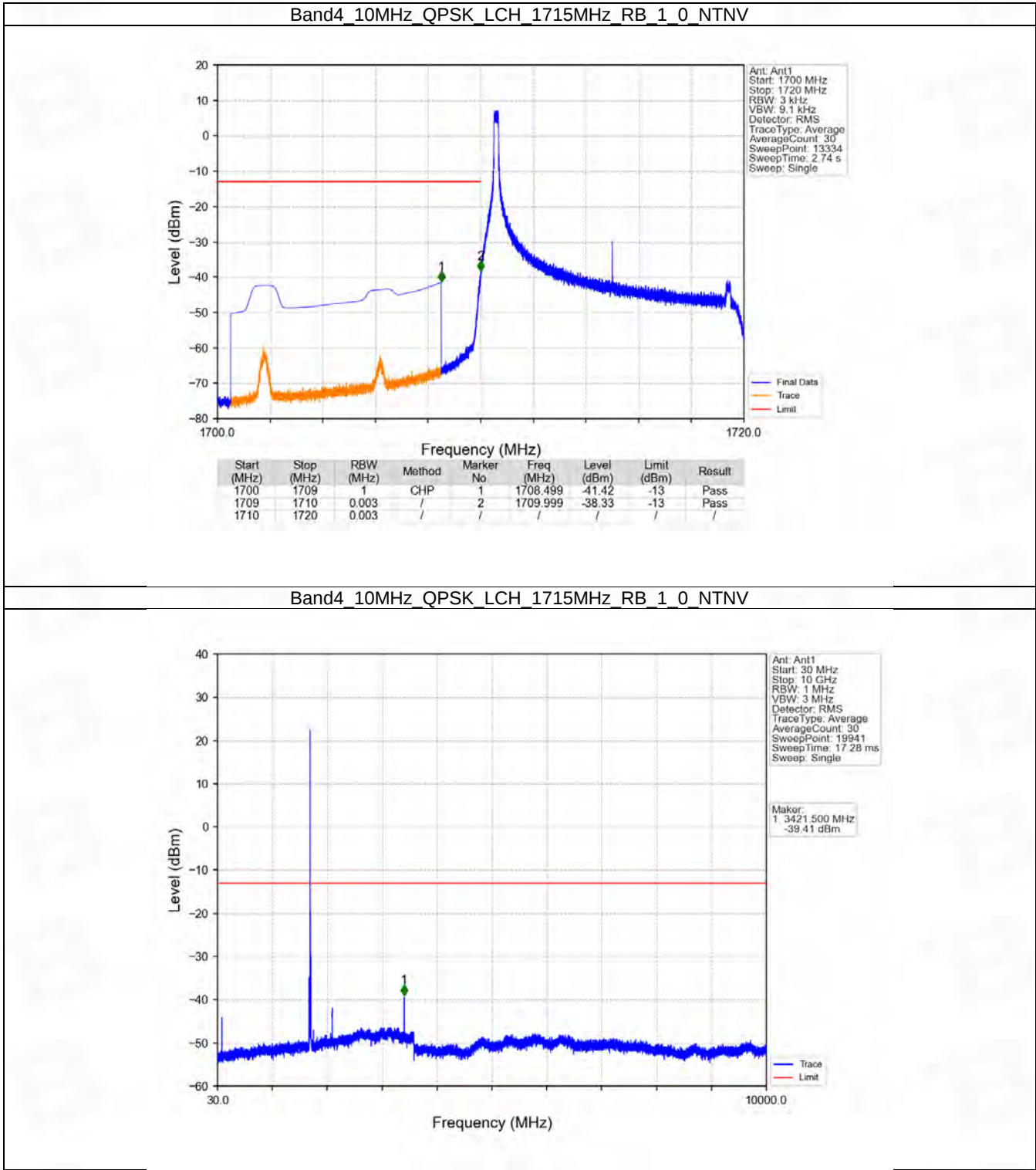


6.4 B4_10MHz

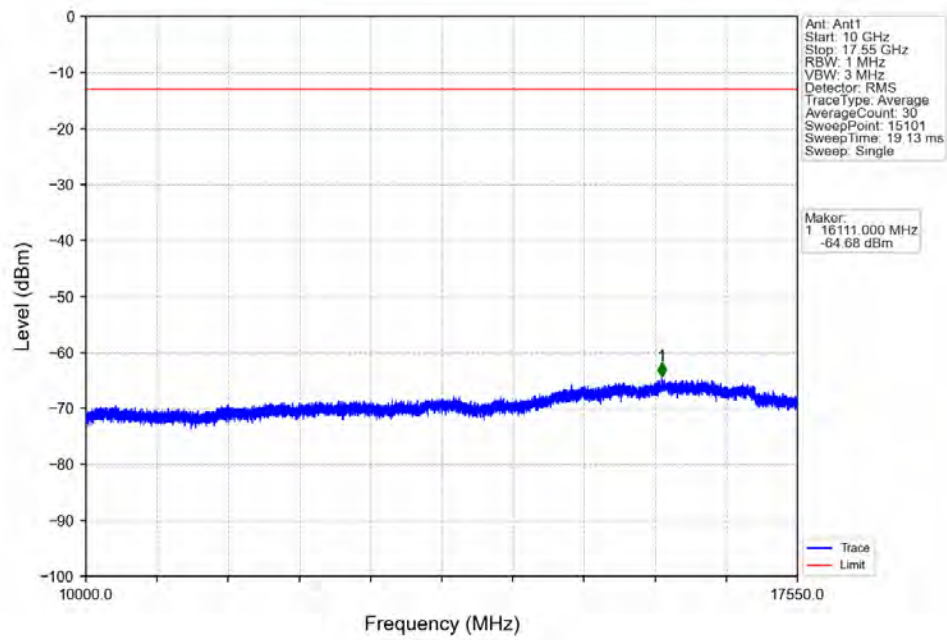
6.4.1 Test Result

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

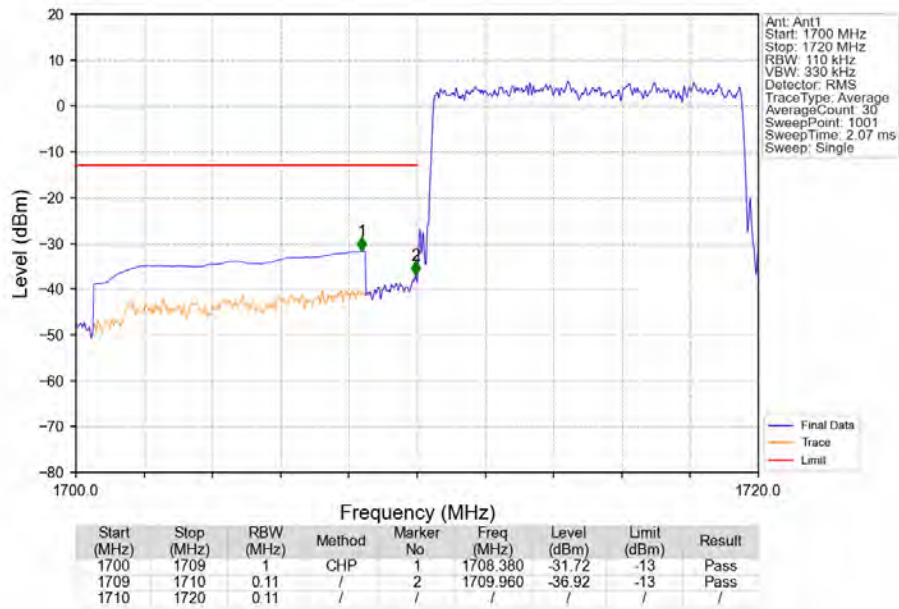
6.4.2 Test Graph



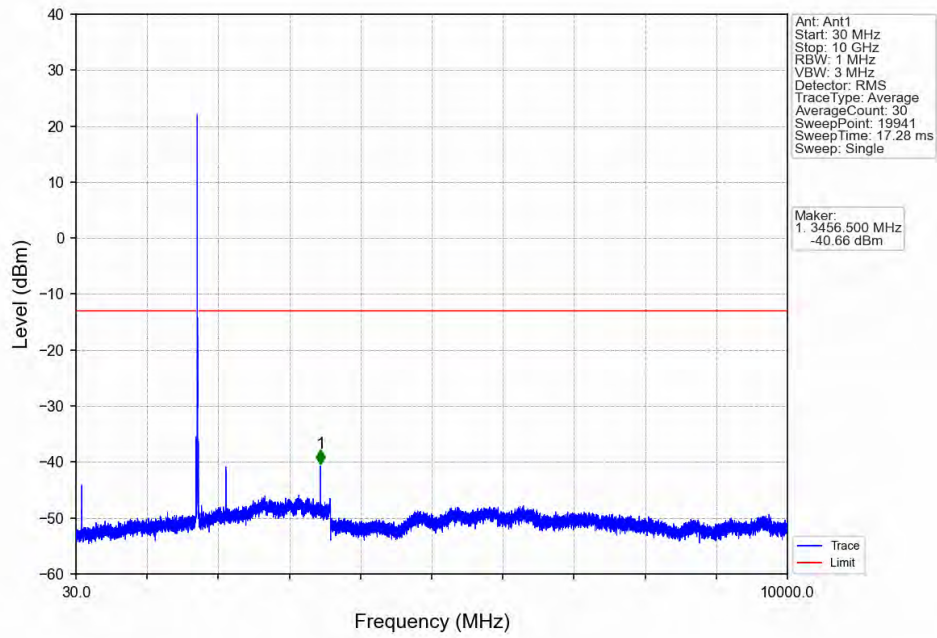
Band4 10MHz QPSK LCH 1715MHz RB 1 0 NTN



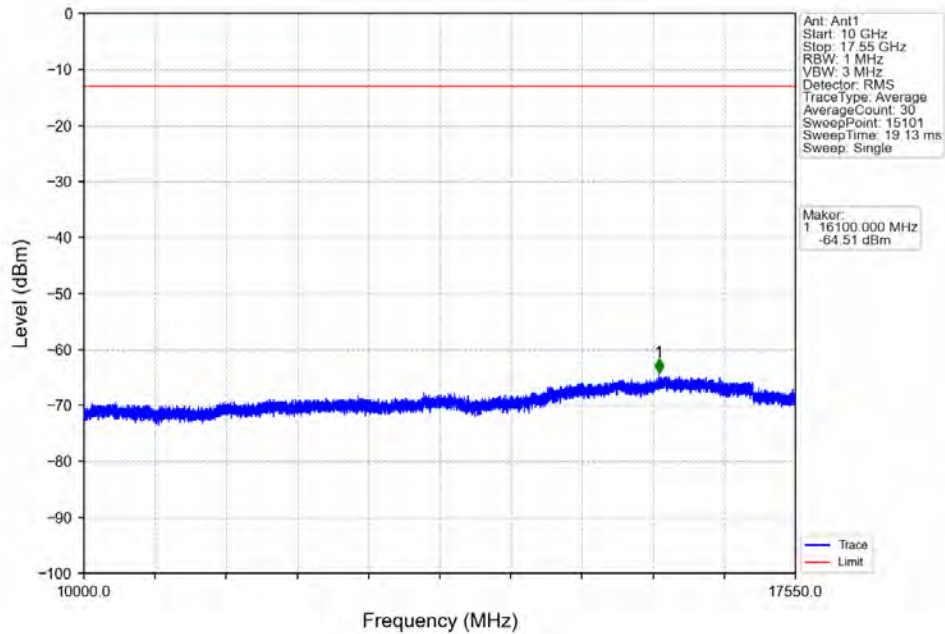
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTN



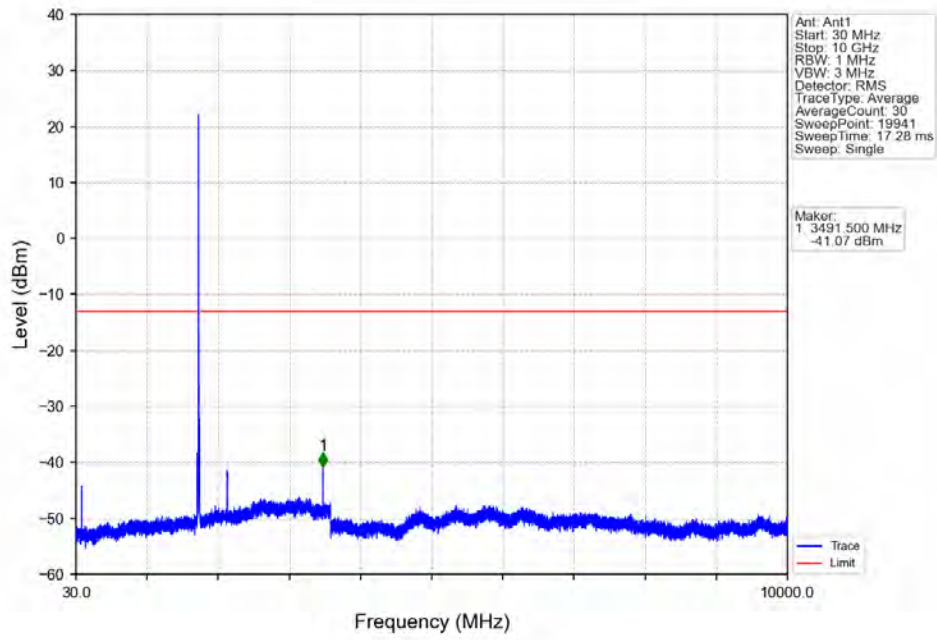
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



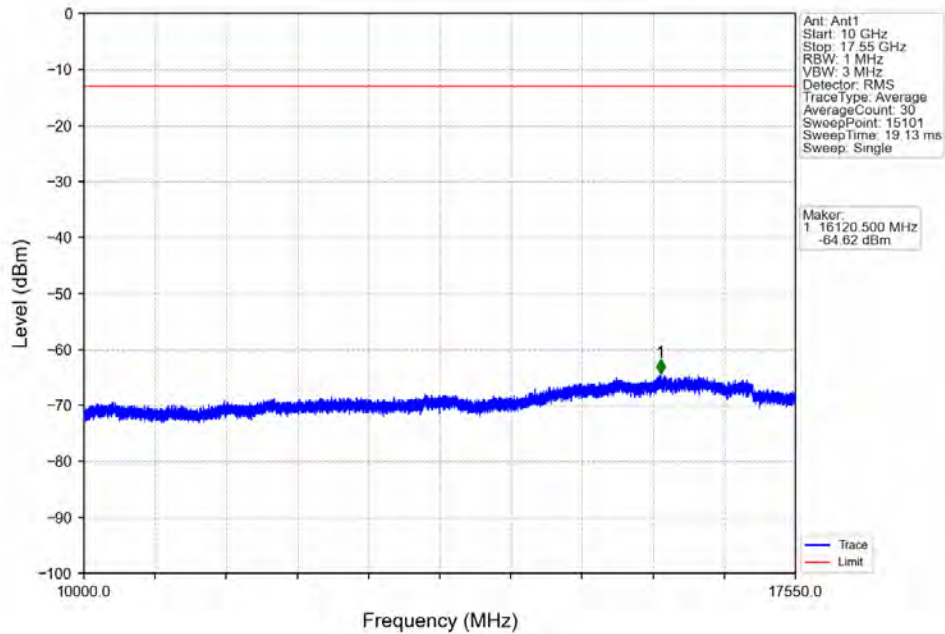
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



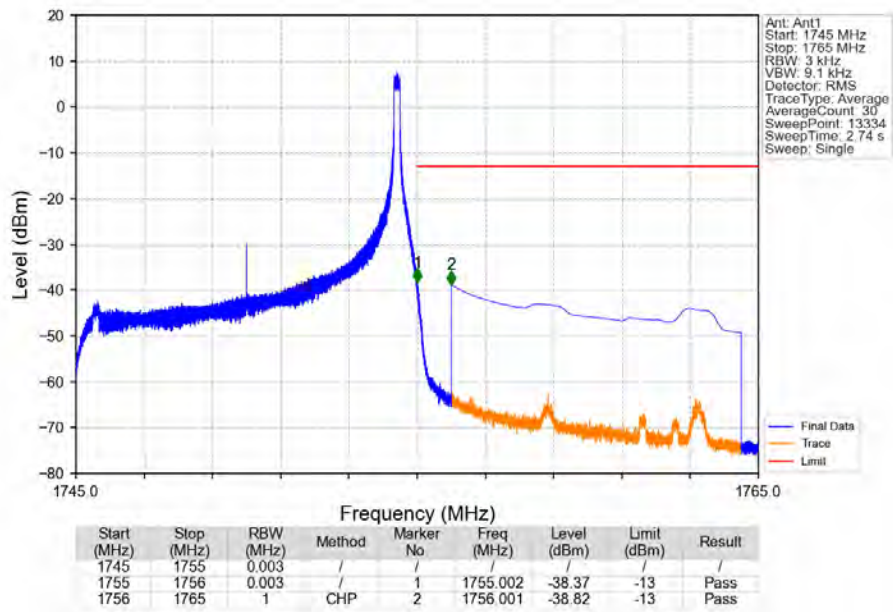
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



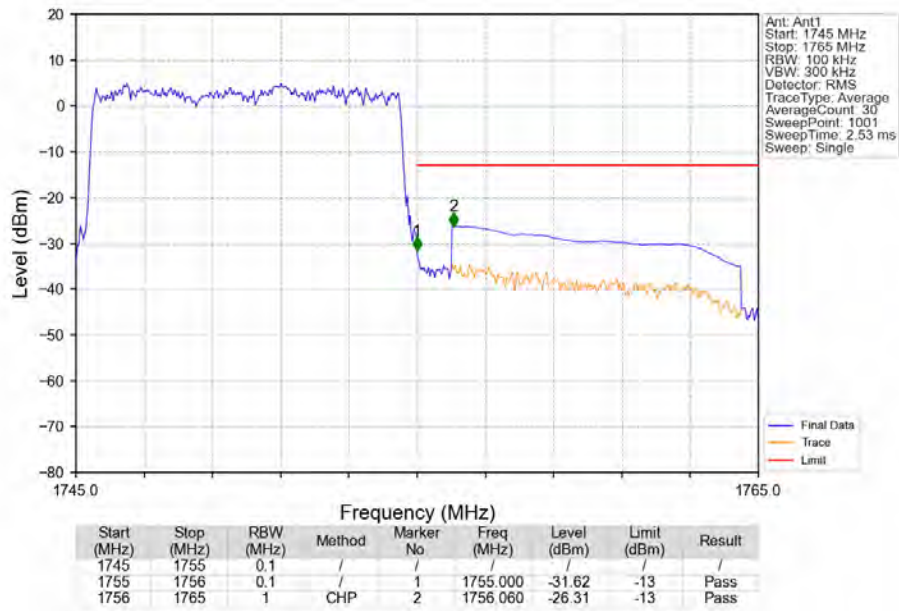
Band4_10MHz_QPSK_HCH_1750MHz_RB_1_0_NTNV



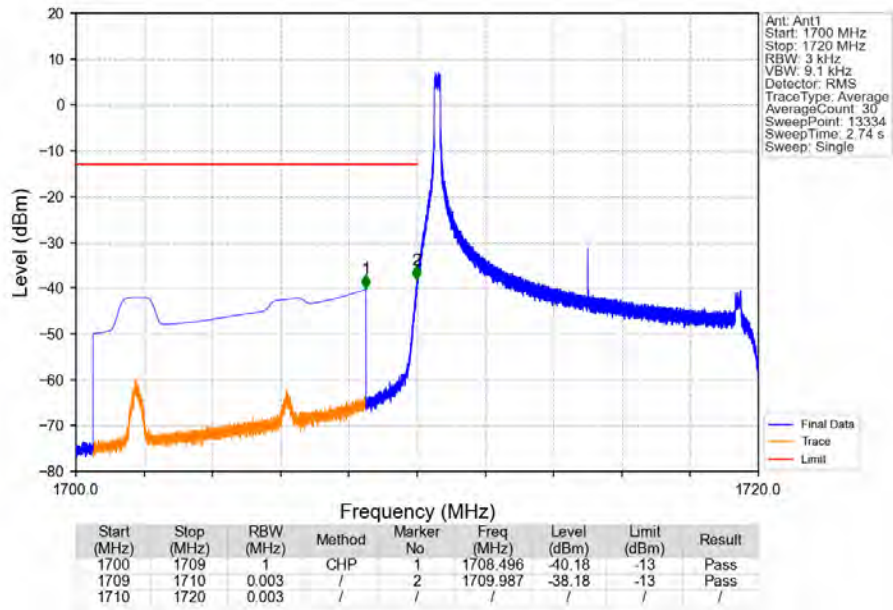
Band4 10MHz QPSK HCH 1750MHz RB 1 49 NTNV



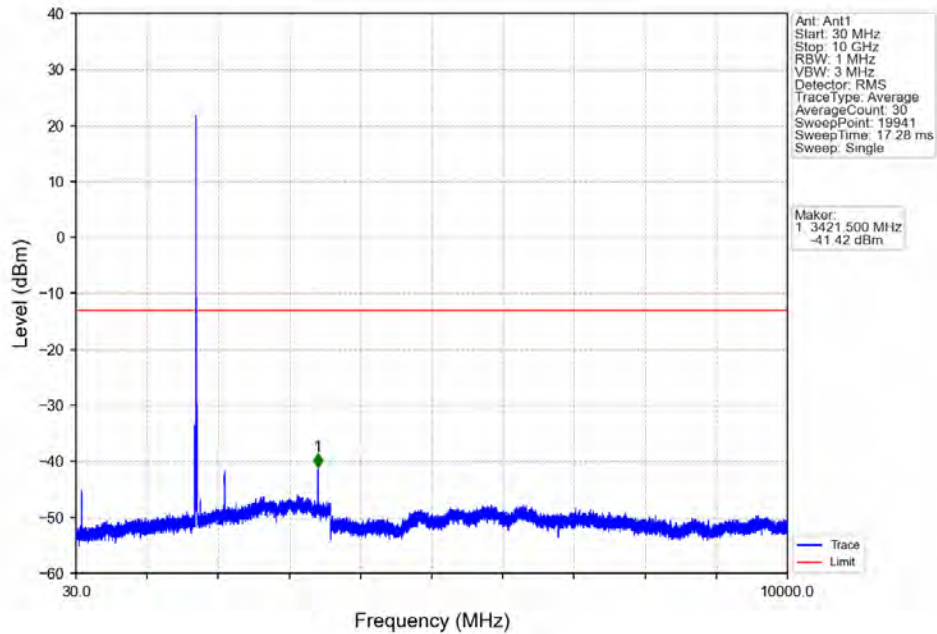
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



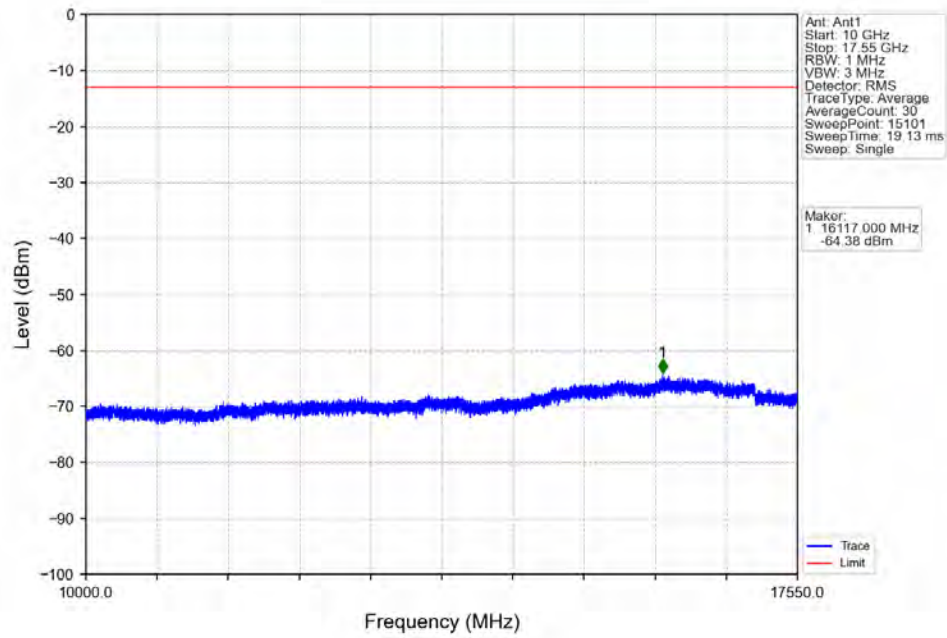
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



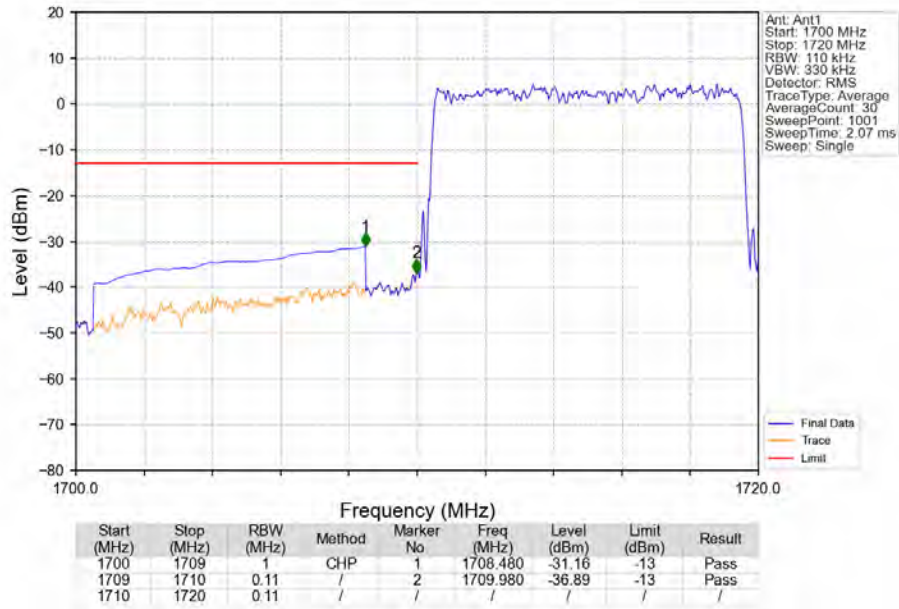
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



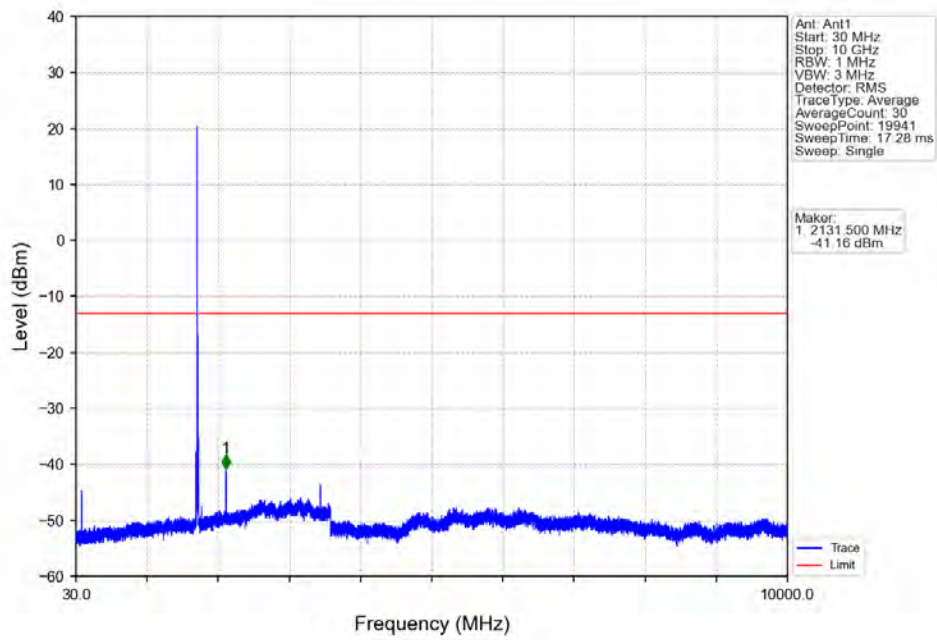
Band4 10MHz 16QAM LCH 1715MHz RB 1 0 NTNV



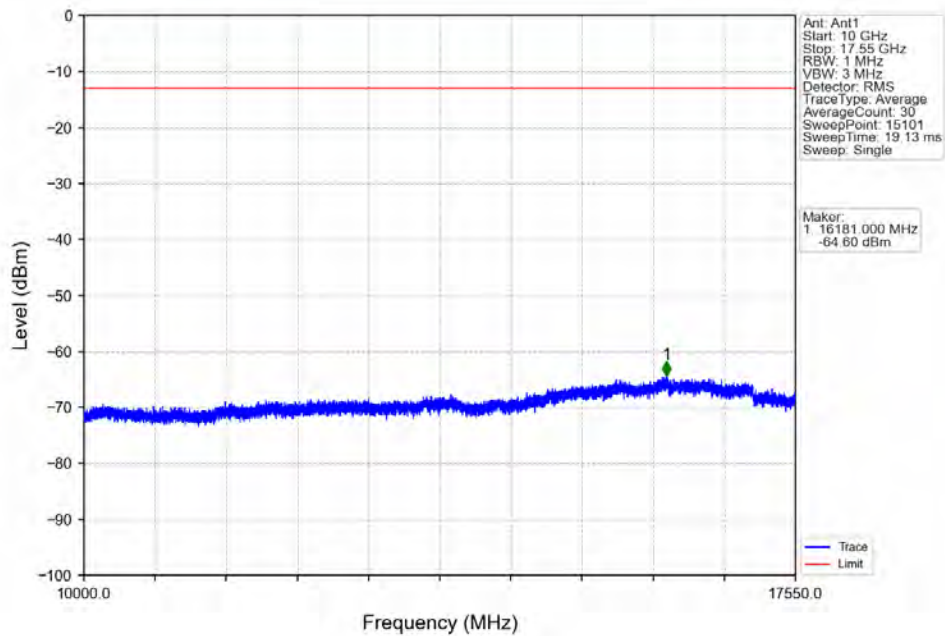
Band4 10MHz 16QAM LCH 1715MHz RB 50 0 NTNV



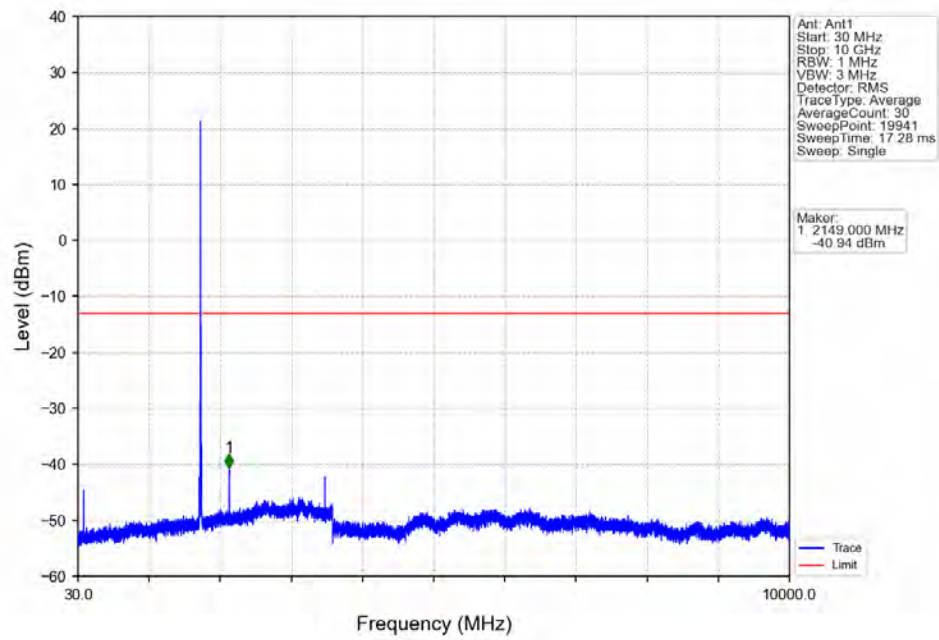
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



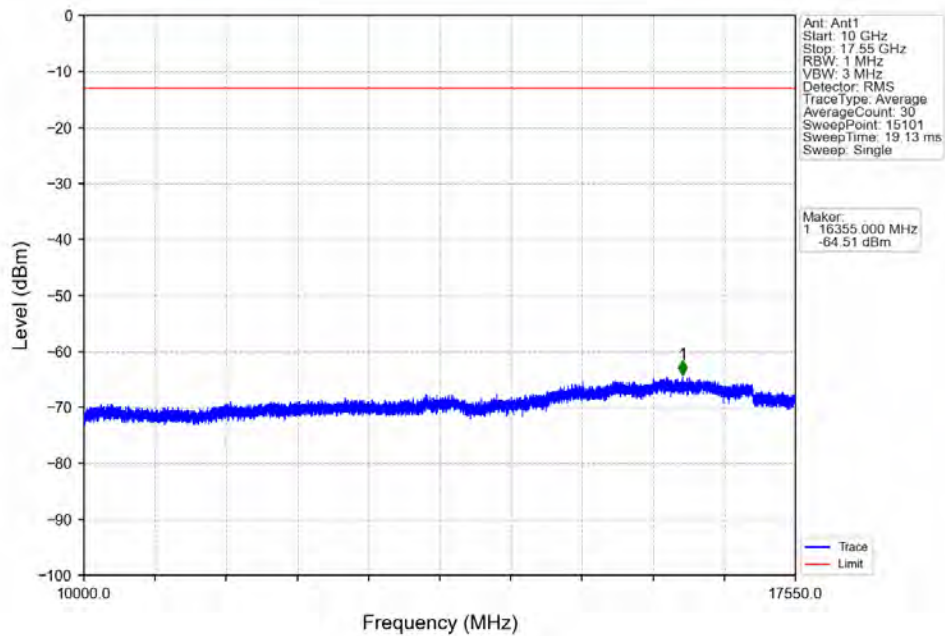
Band4 10MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



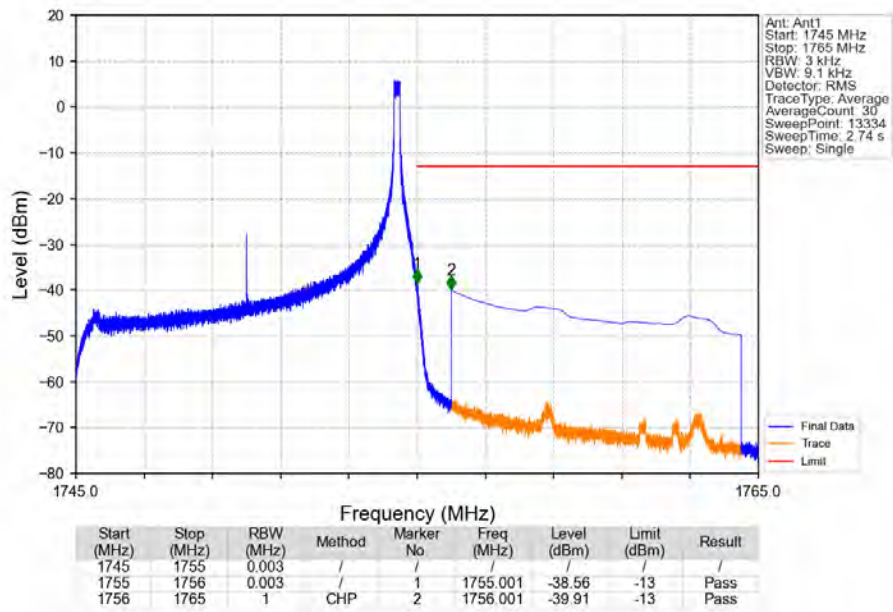
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



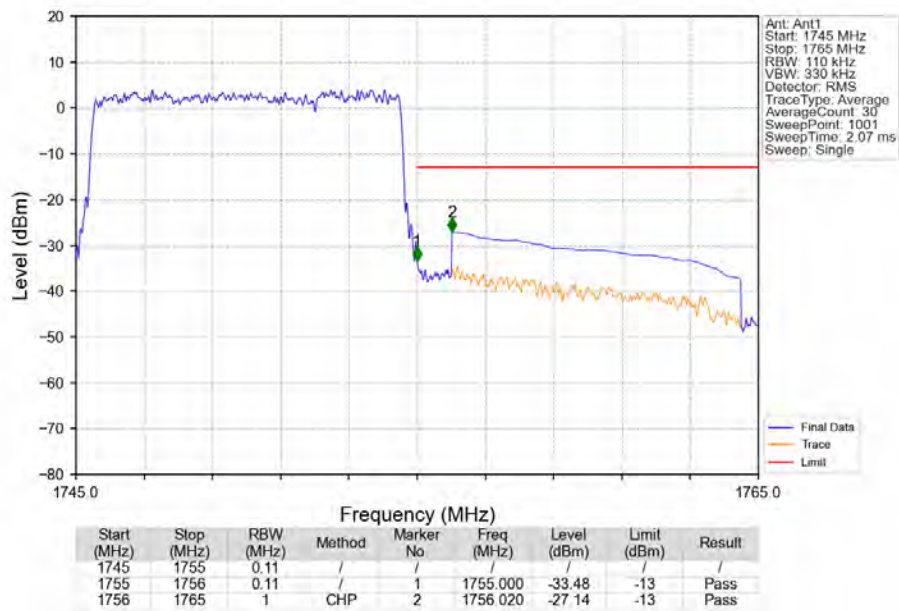
Band4 10MHz 16QAM HCH 1750MHz RB 1 0 NTNV



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



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

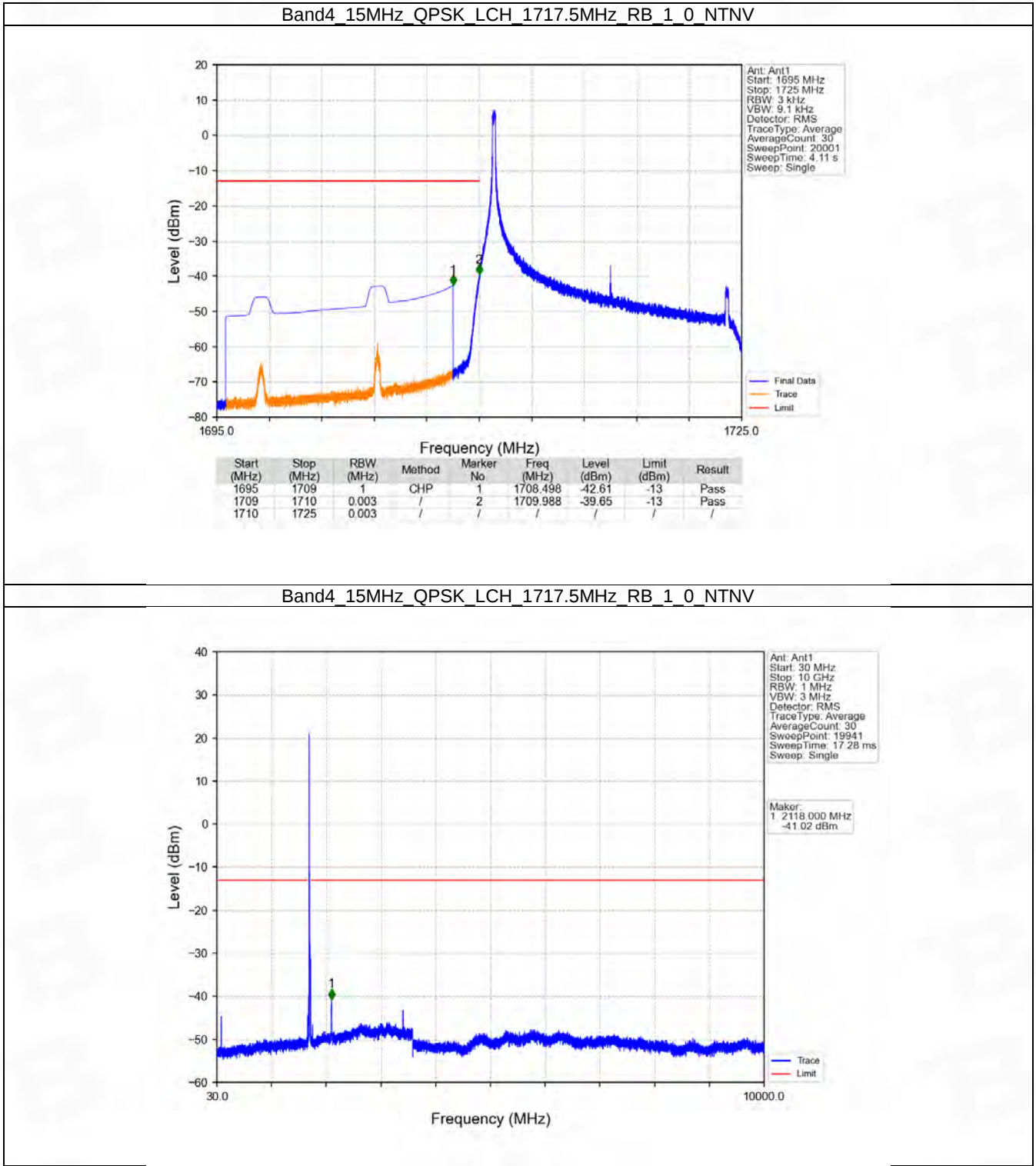


6.5 B4_15MHz

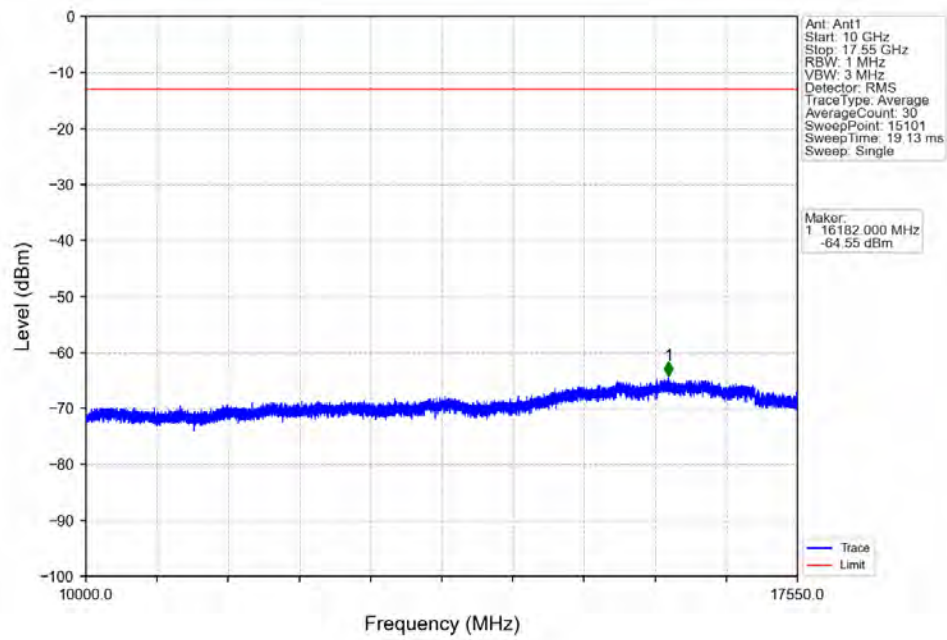
6.5.1 Test Result

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

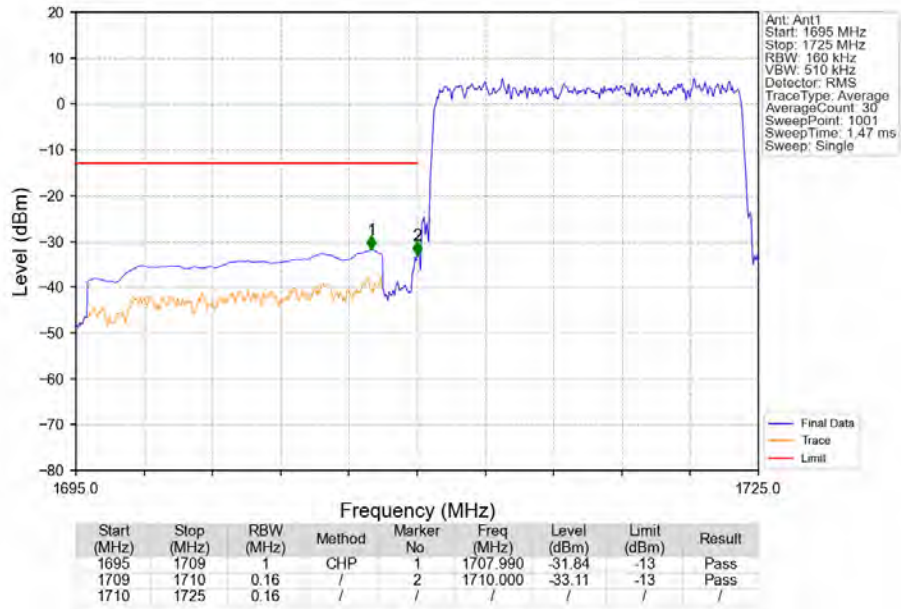
6.5.2 Test Graph



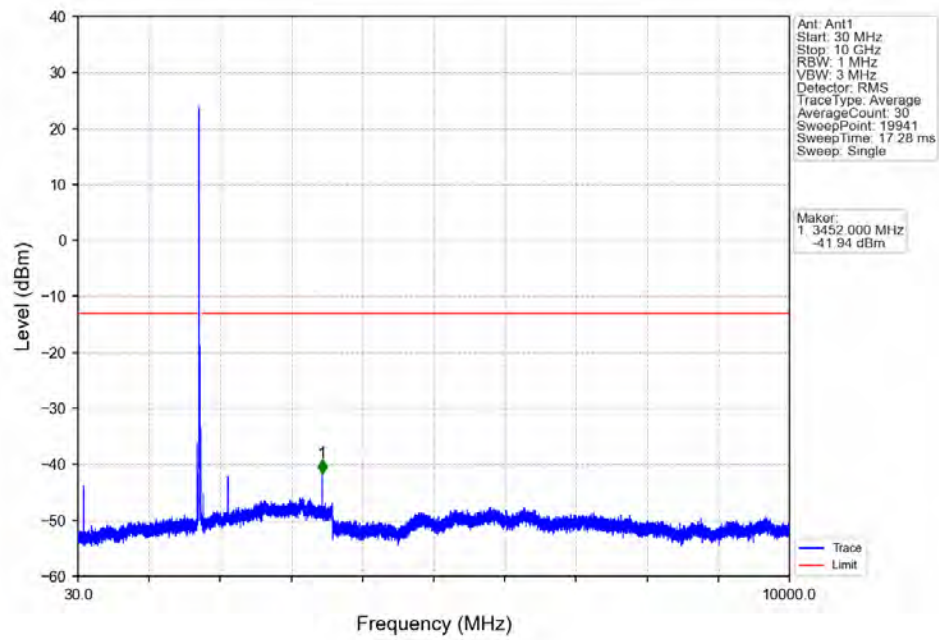
Band4 15MHz QPSK LCH 1717.5MHz RB 1 0 NTNV



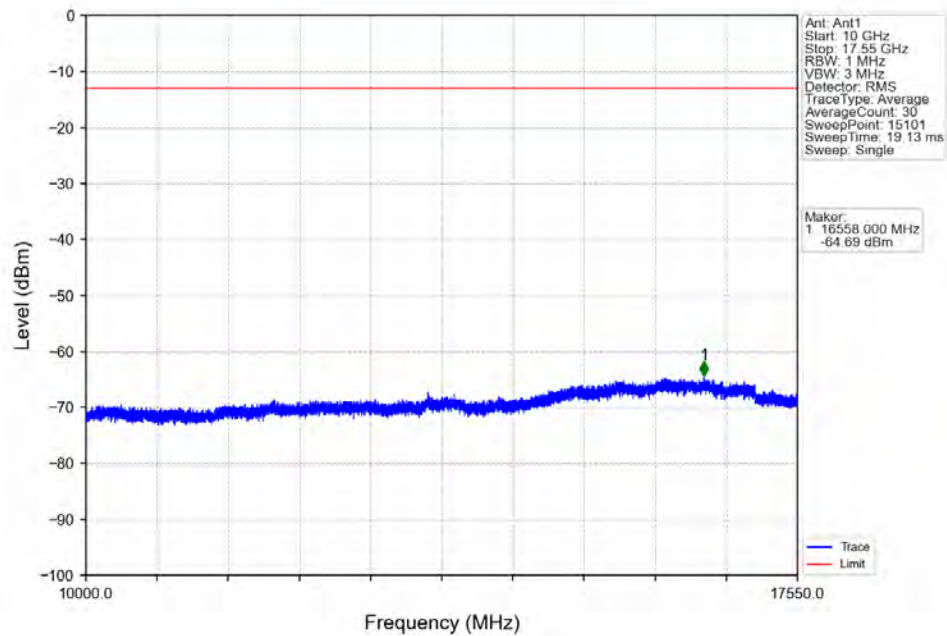
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTNV



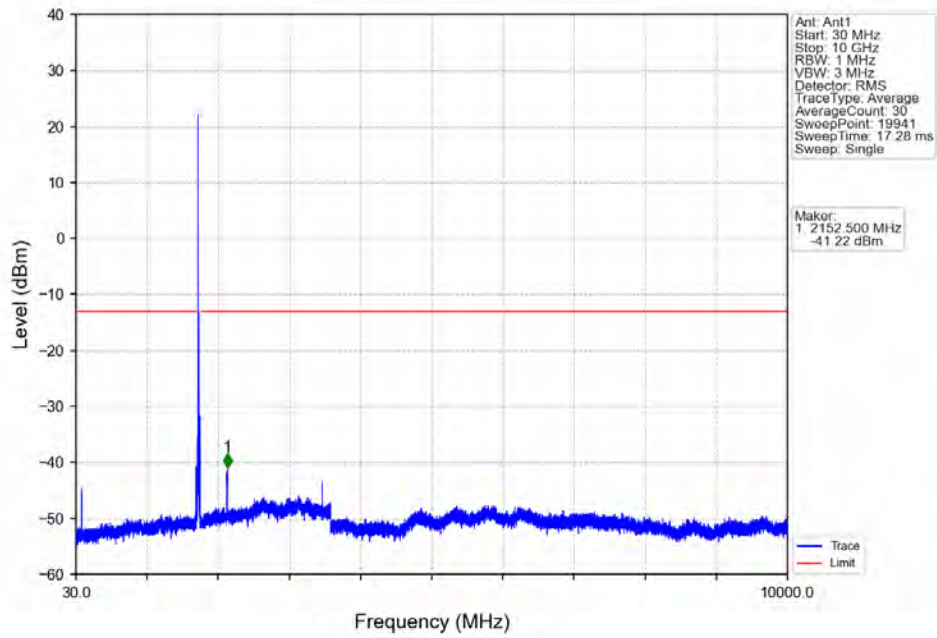
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



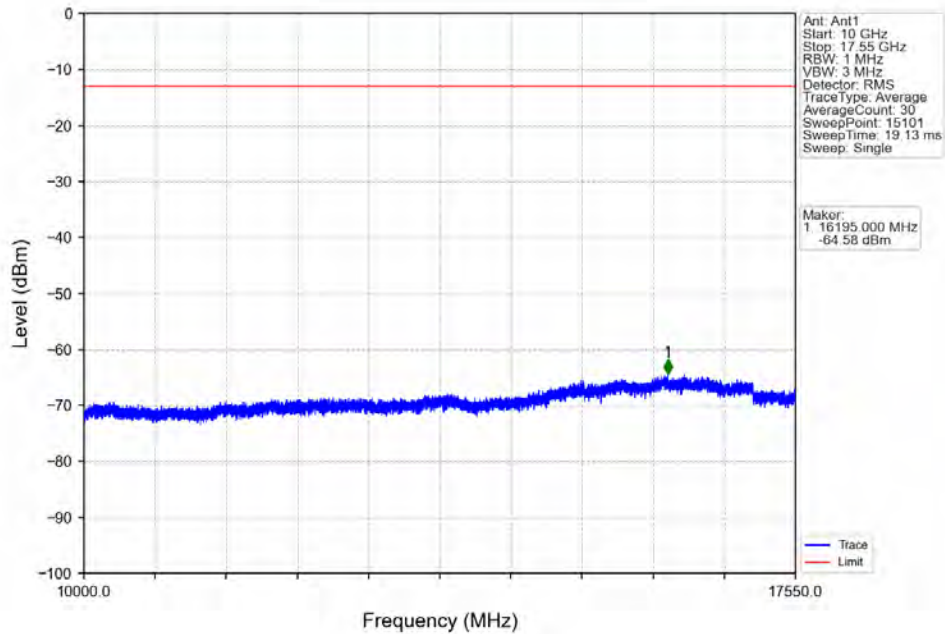
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



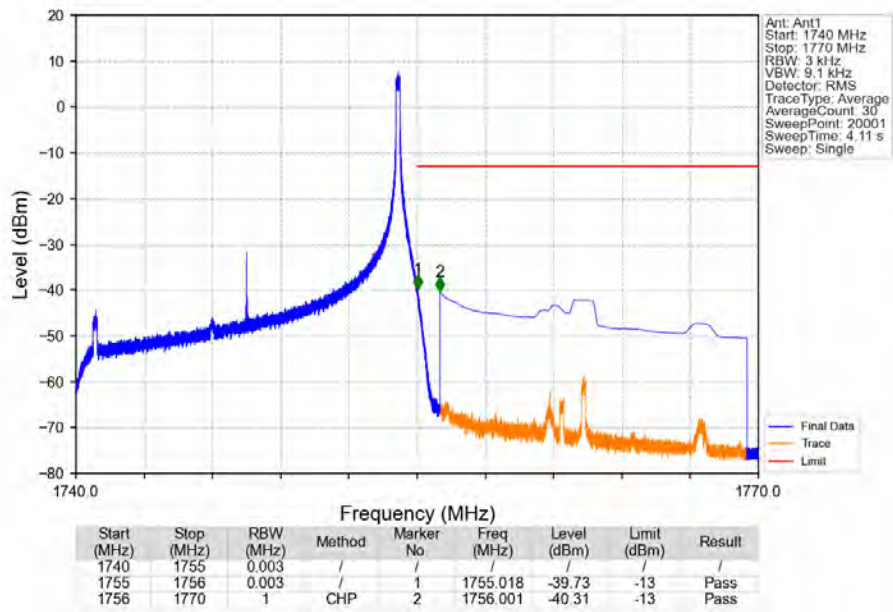
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



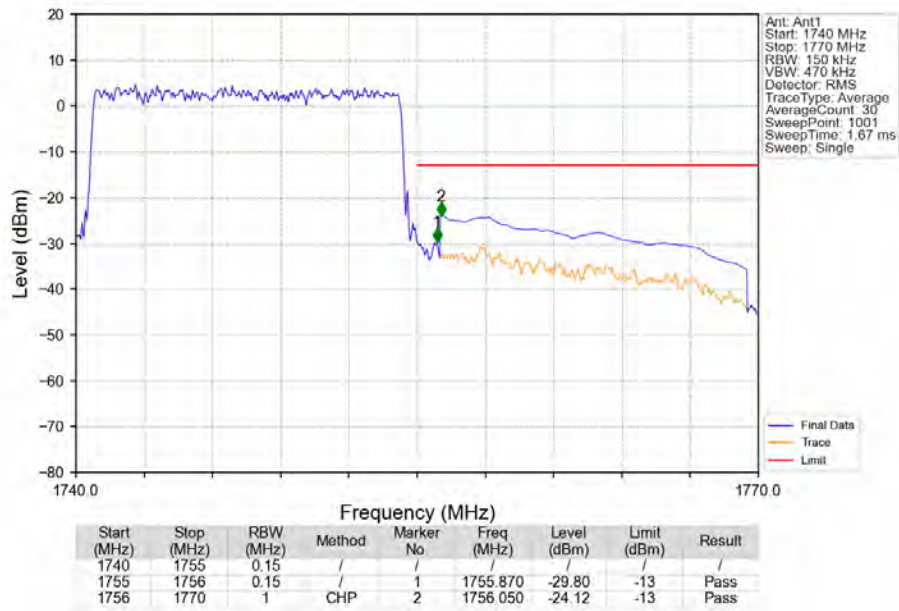
Band4 15MHz QPSK HCH 1747.5MHz RB 1 0 NTV



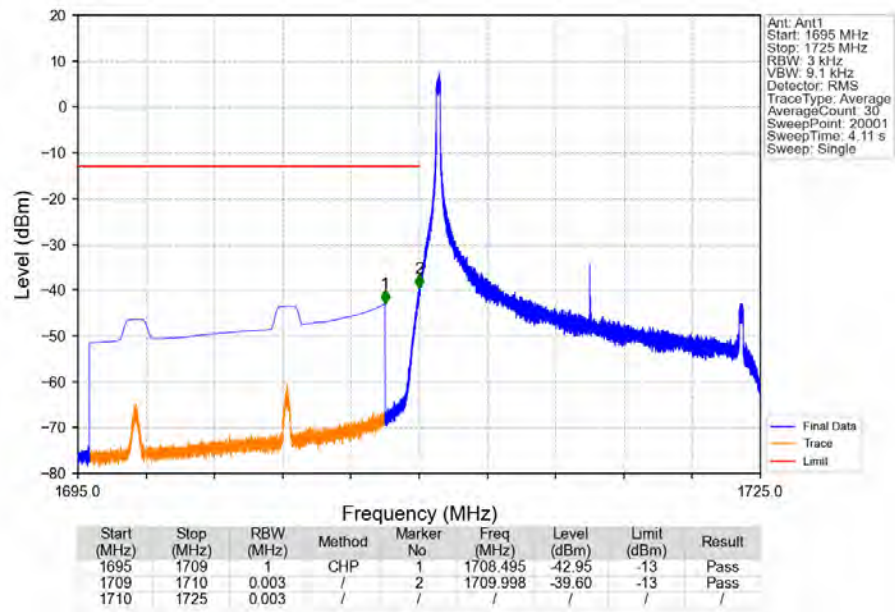
Band4_15MHz QPSK HCH 1747.5MHz RB 1 74 NTV



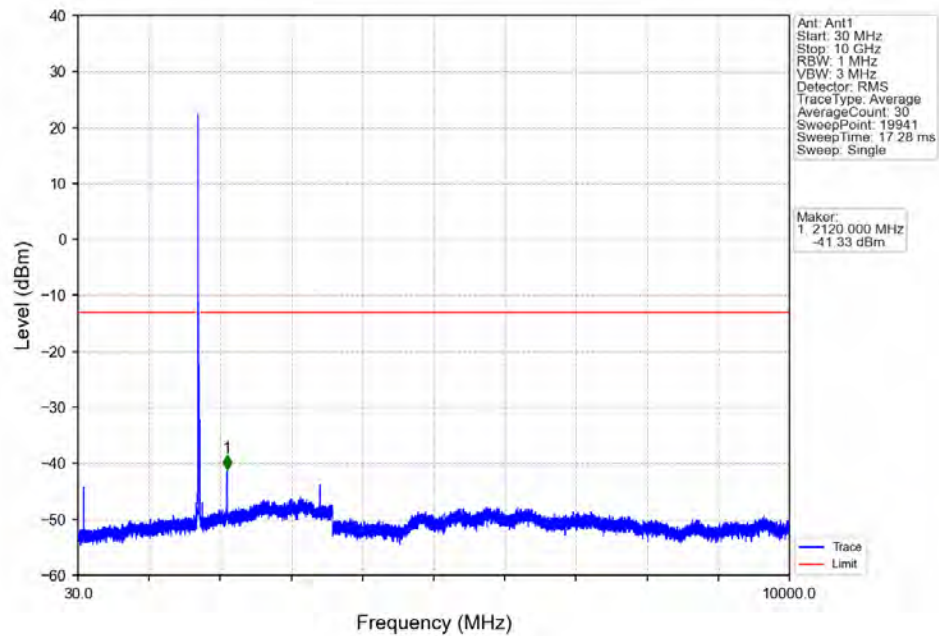
Band4_15MHz QPSK HCH 1747.5MHz RB 75 0 NTV



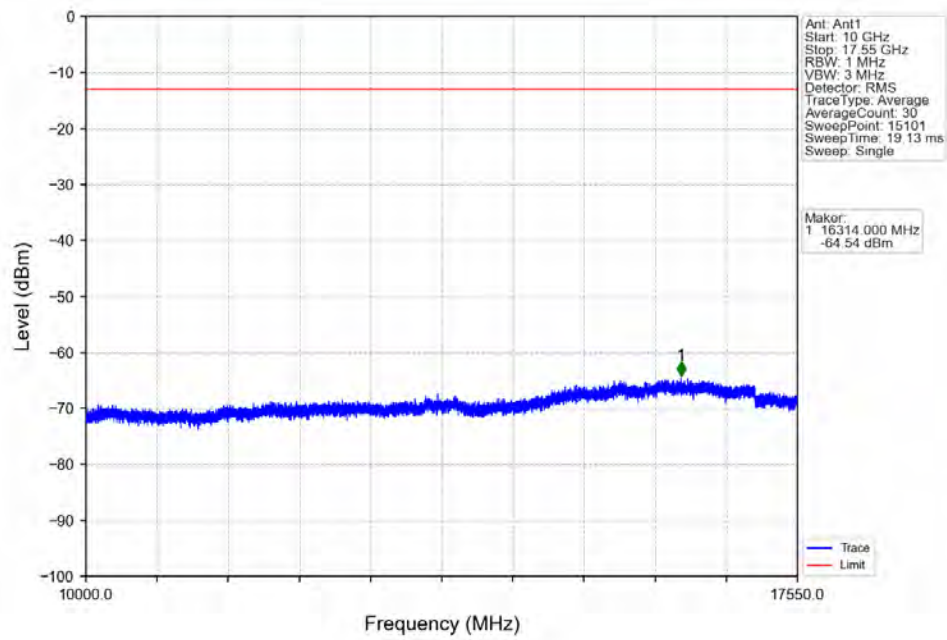
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



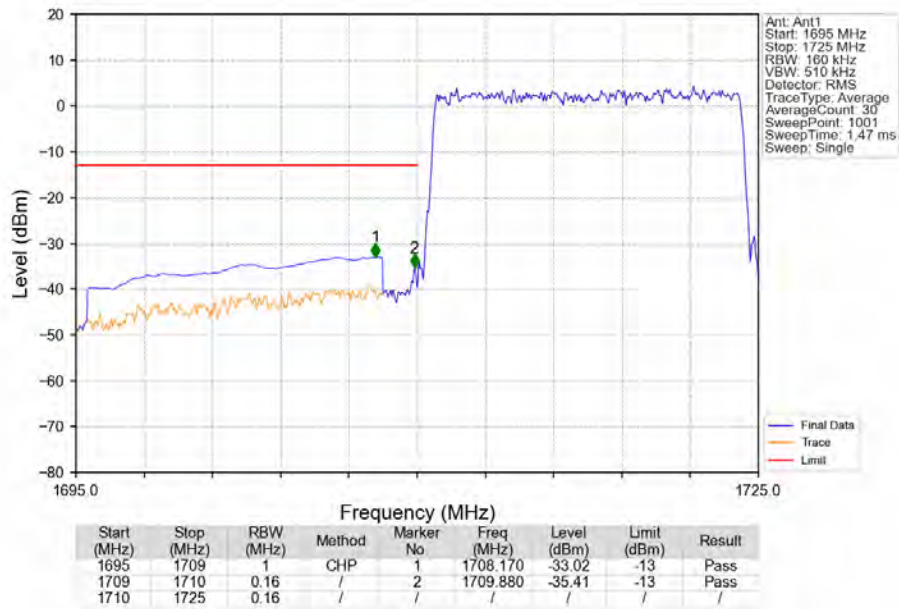
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



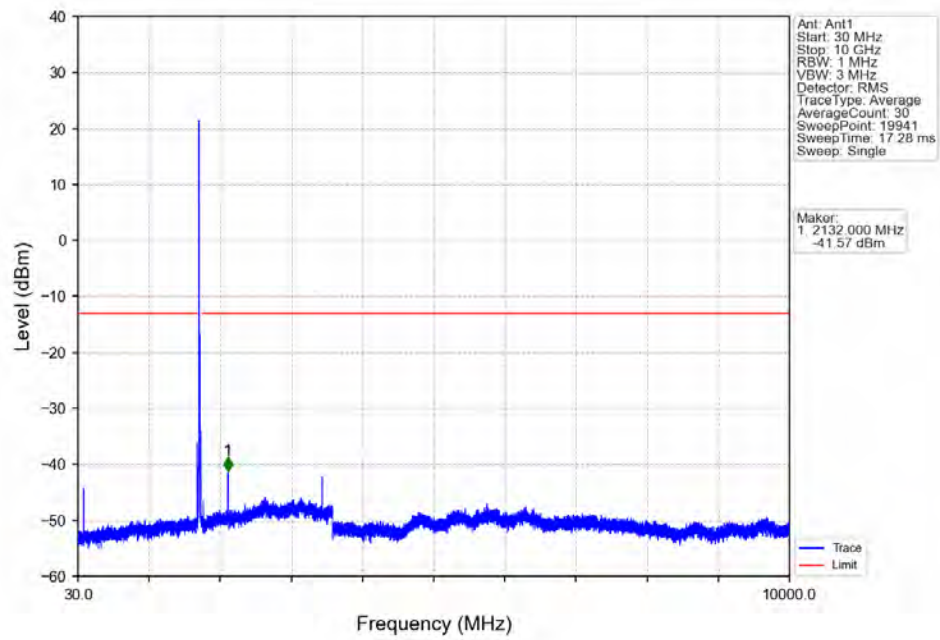
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_1_0_NTNV



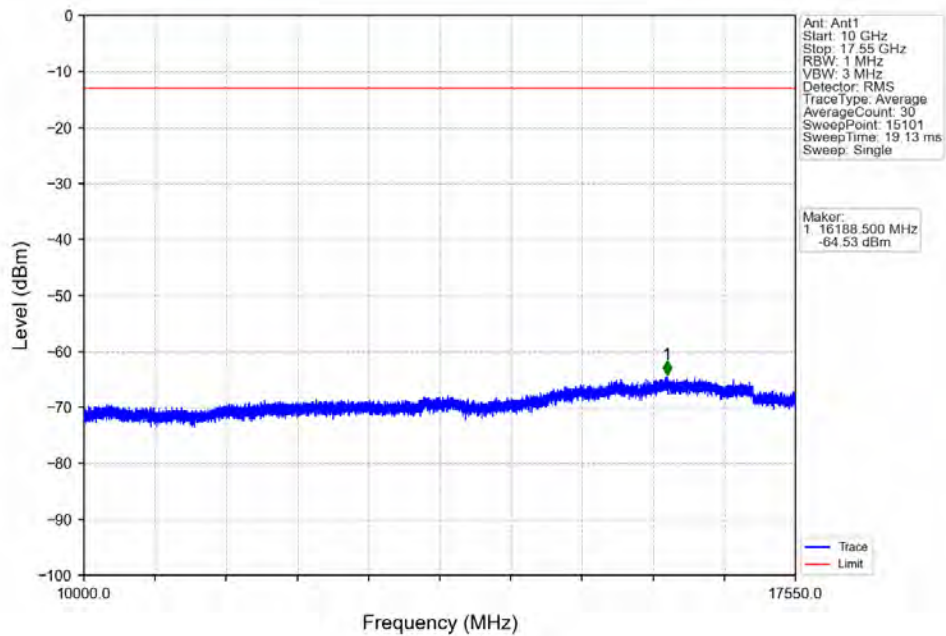
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



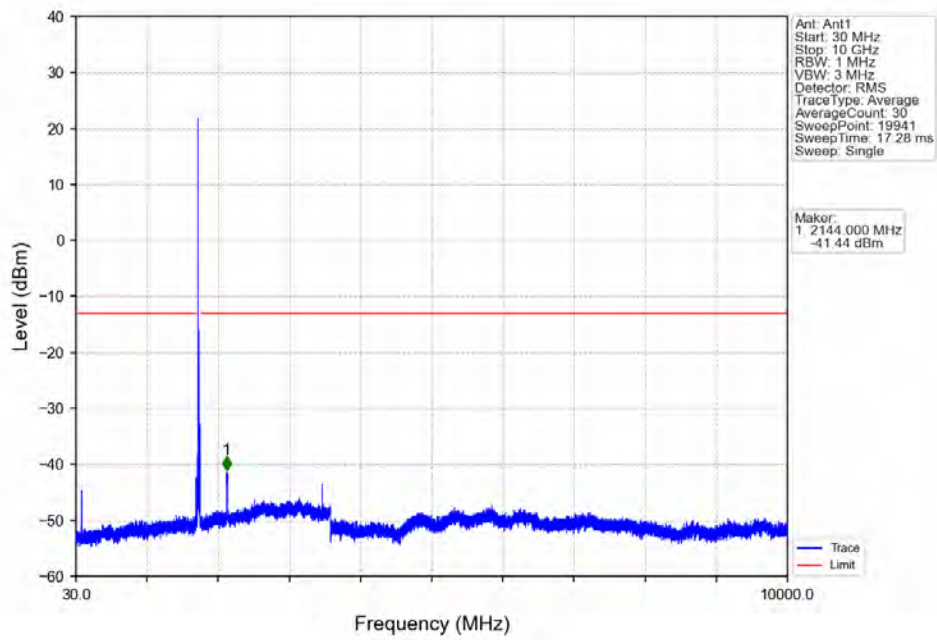
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



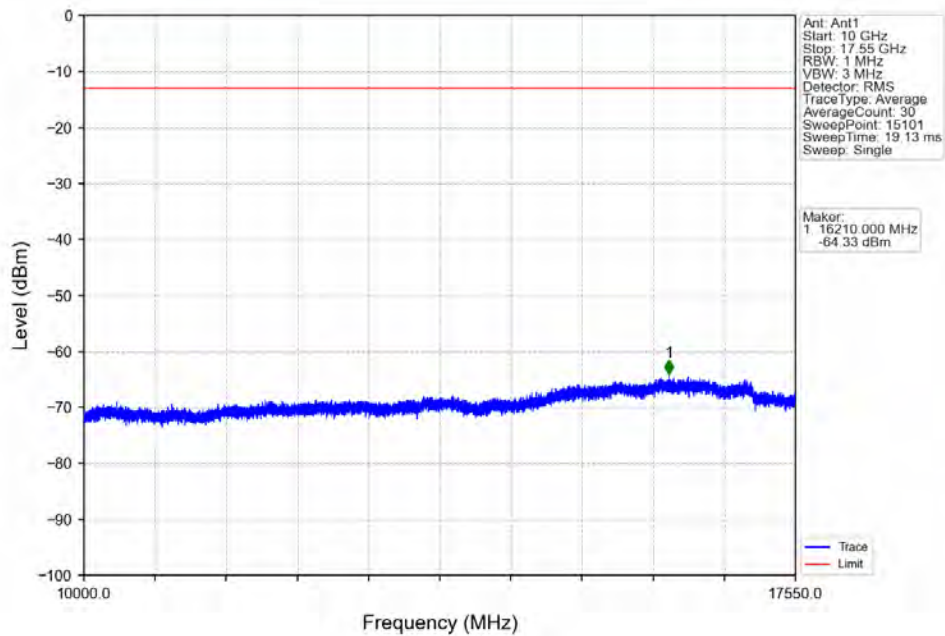
Band4 15MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



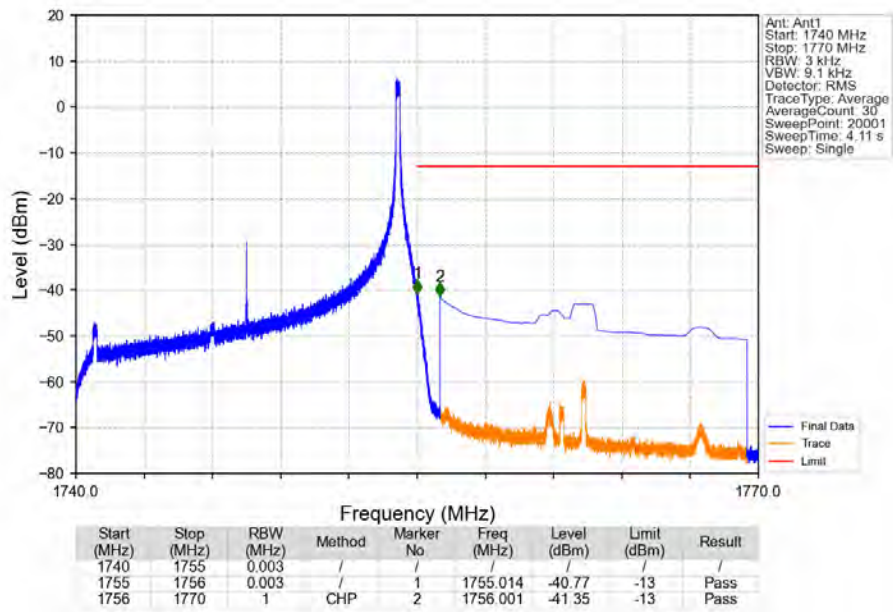
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV



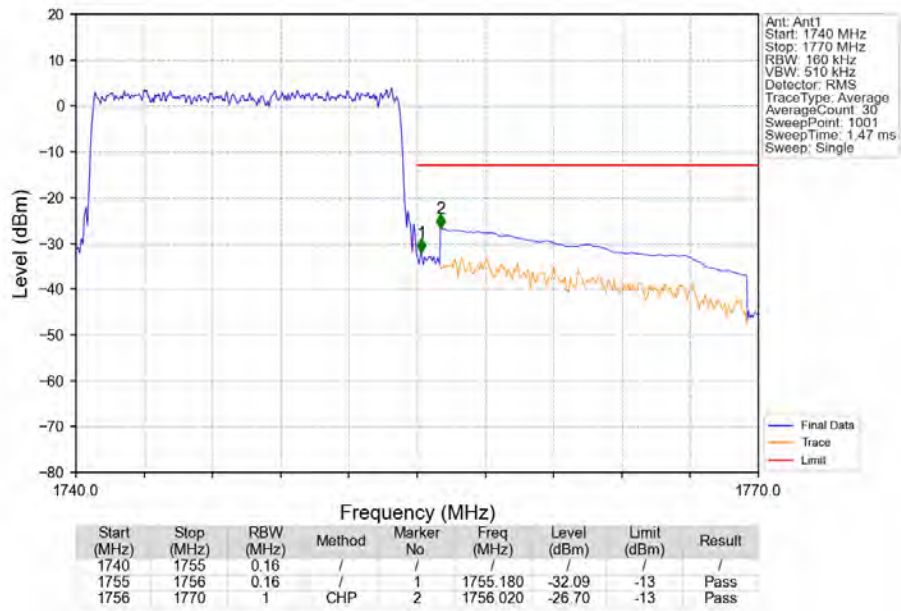
Band4 15MHz 16QAM HCH 1747.5MHz RB 1 0 NTNV



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



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

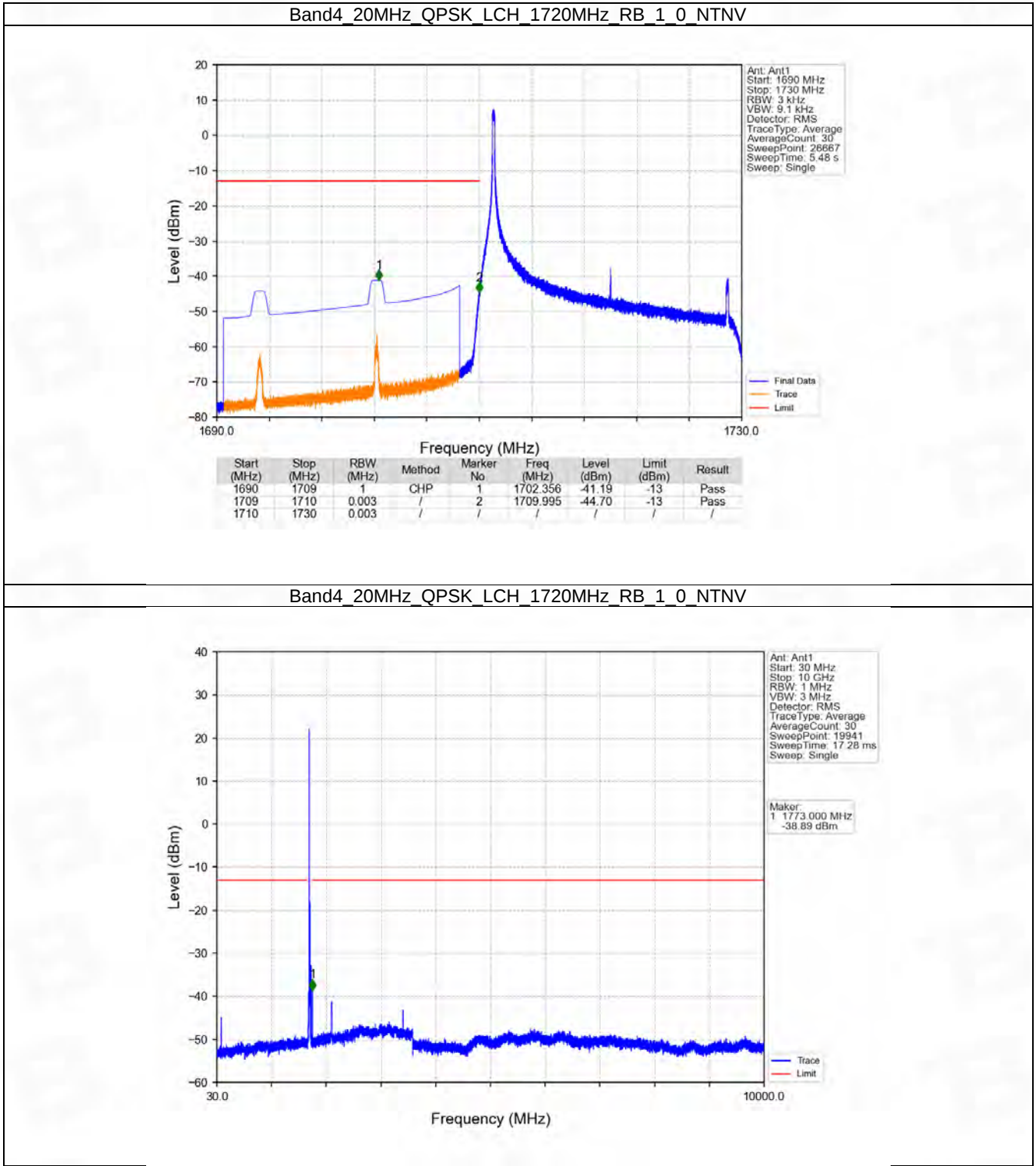


6.6 B4_20MHz

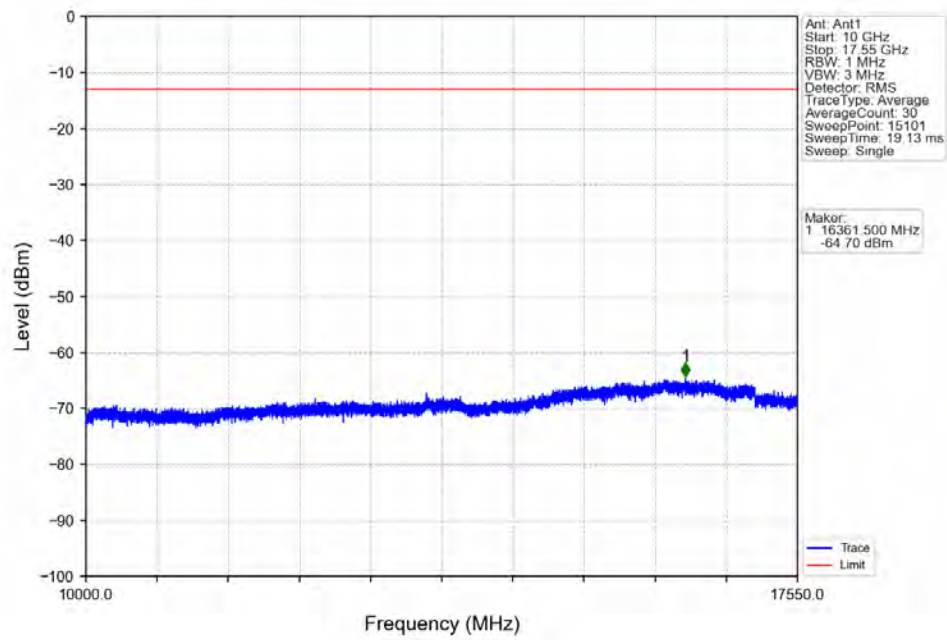
6.6.1 Test Result

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

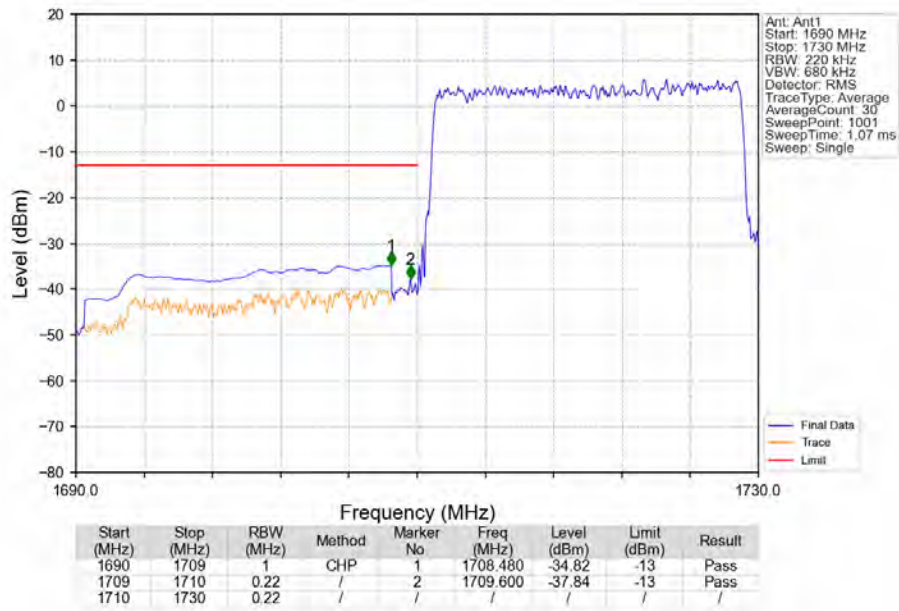
6.6.2 Test Graph



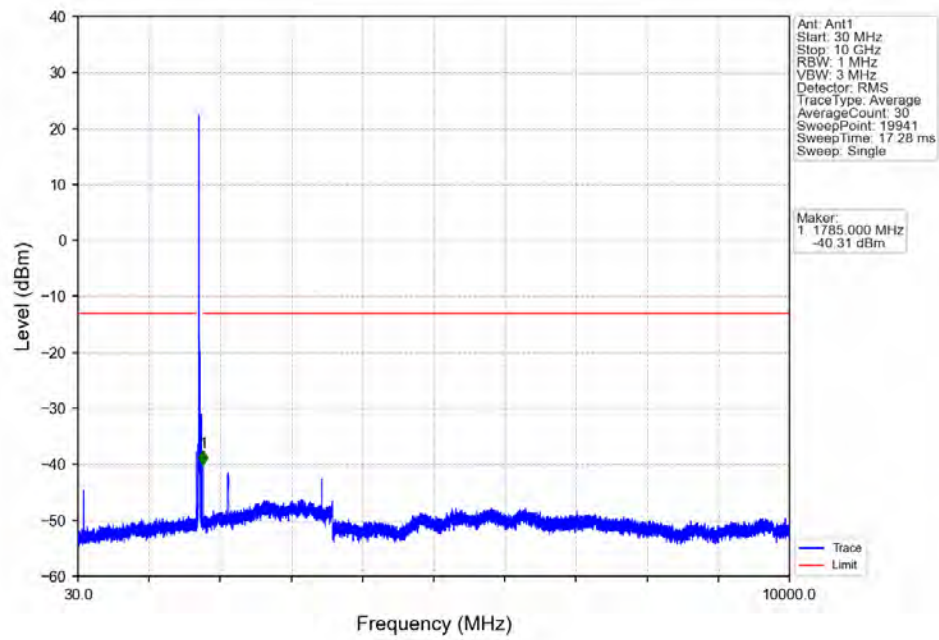
Band4 20MHz QPSK LCH 1720MHz RB 1 0 NTN



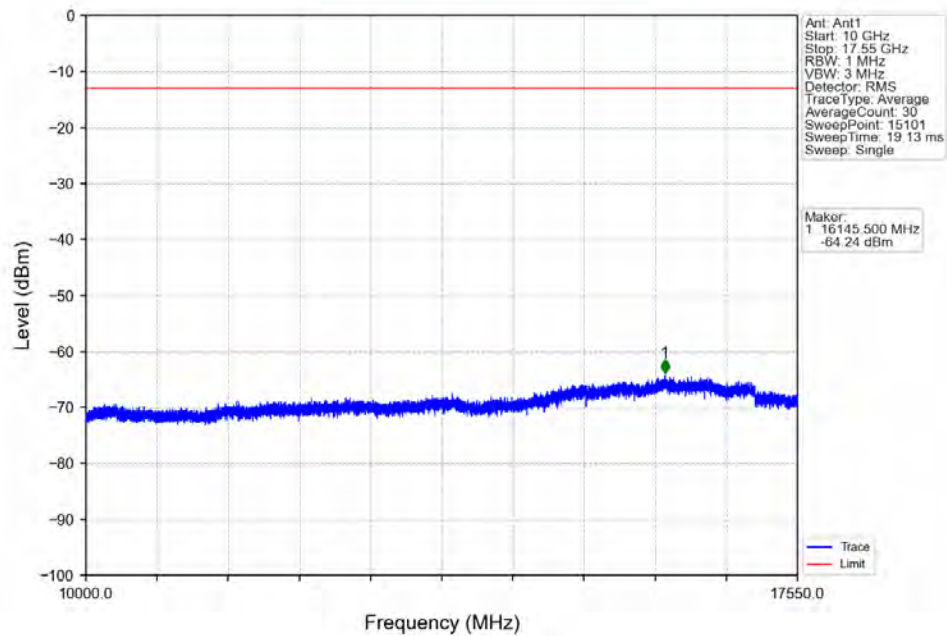
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTN



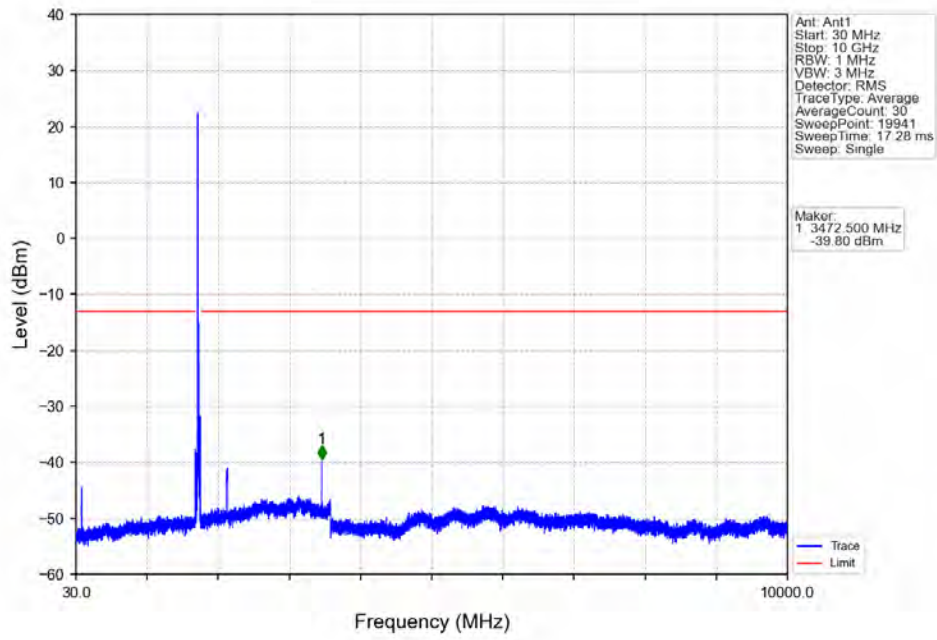
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



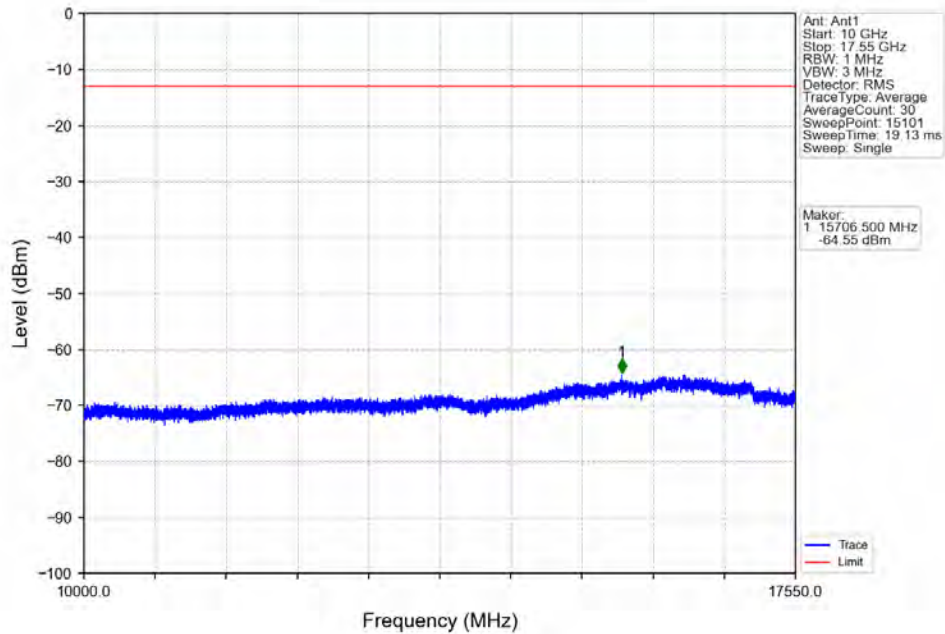
Band4 20MHz QPSK MCH 1732.5MHz RB 1 0 NTNV



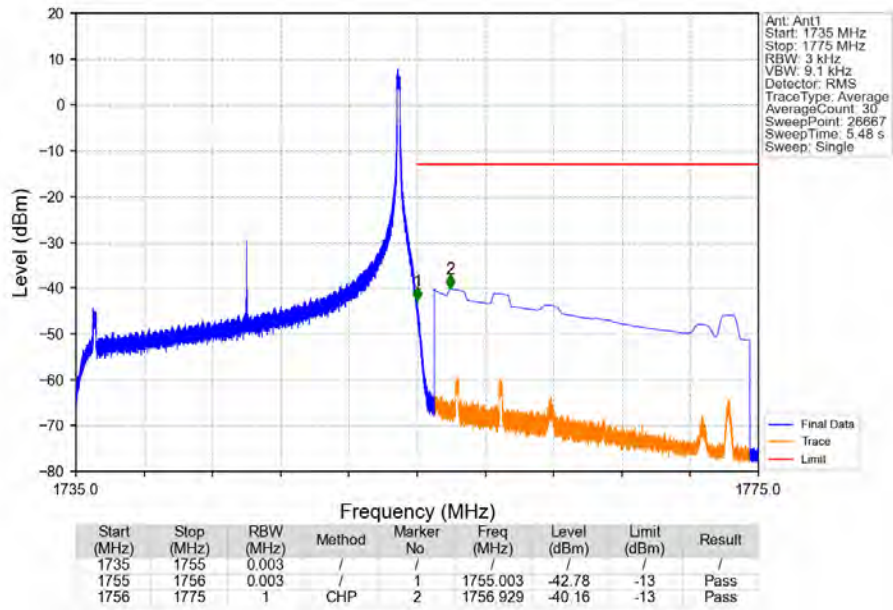
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTNV



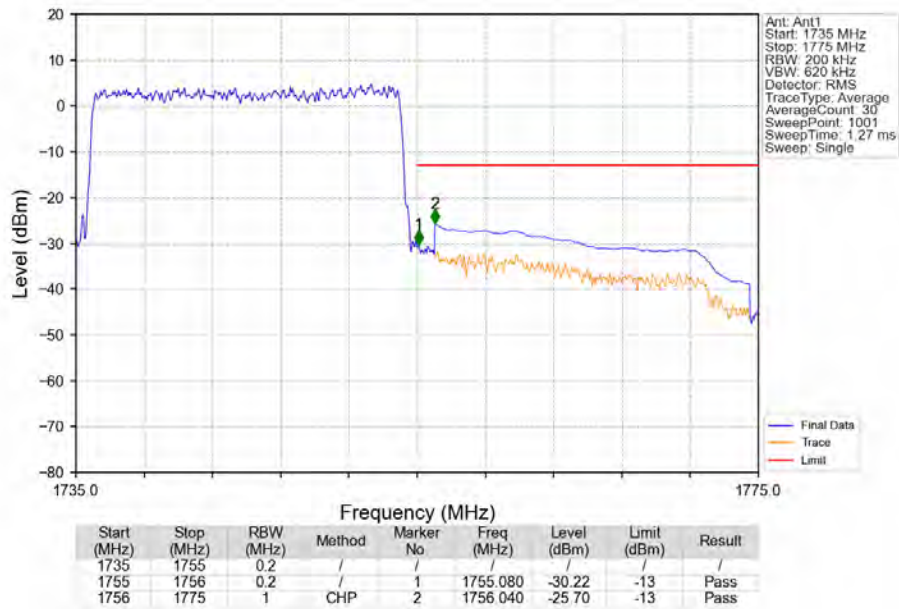
Band4 20MHz QPSK HCH 1745MHz RB 1 0 NTNV



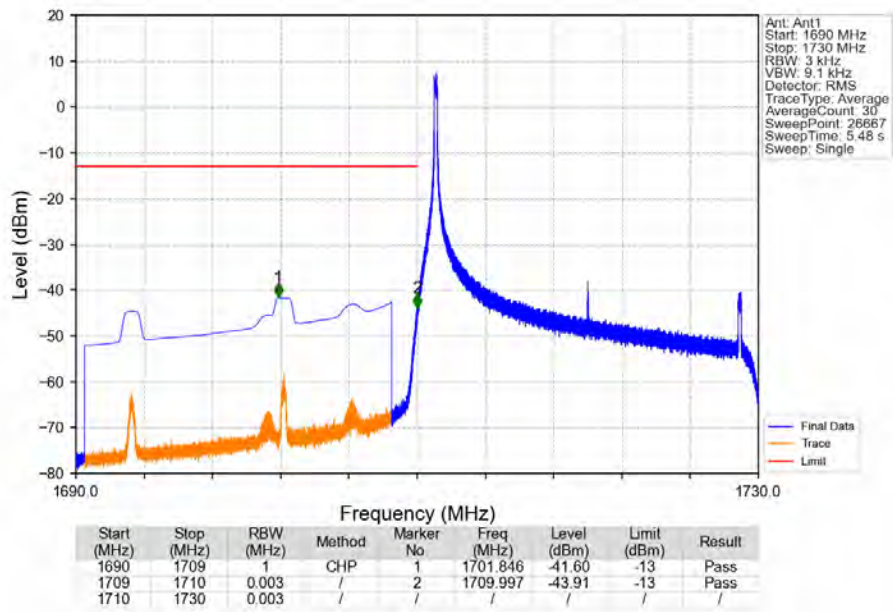
Band4 20MHz QPSK HCH 1745MHz RB 1 99 NTNV



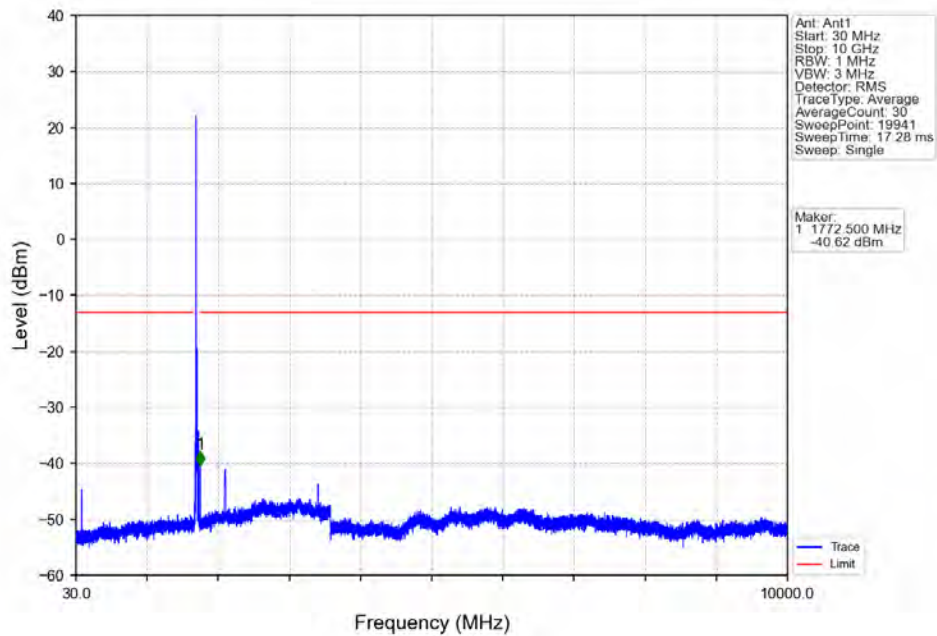
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



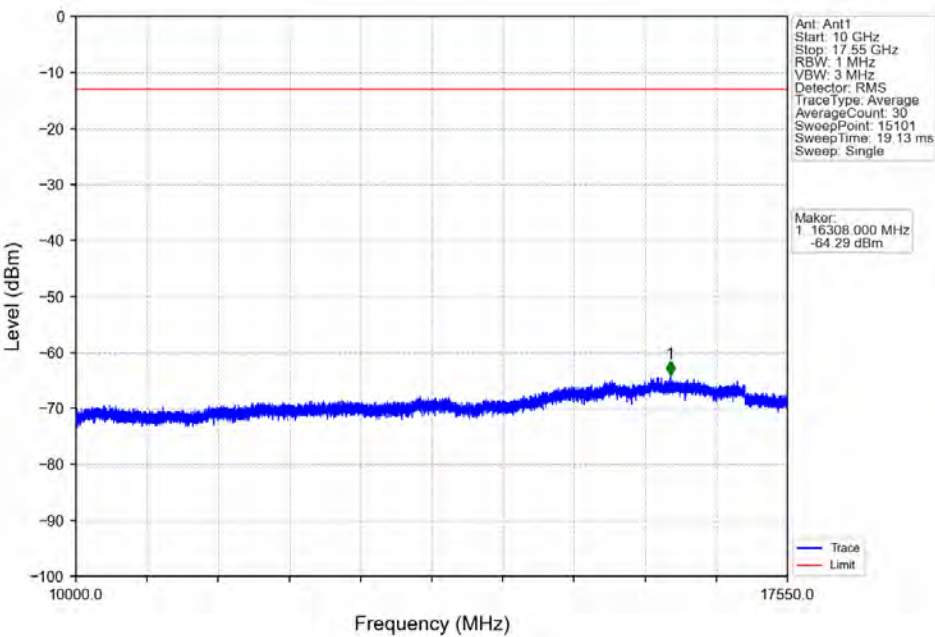
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



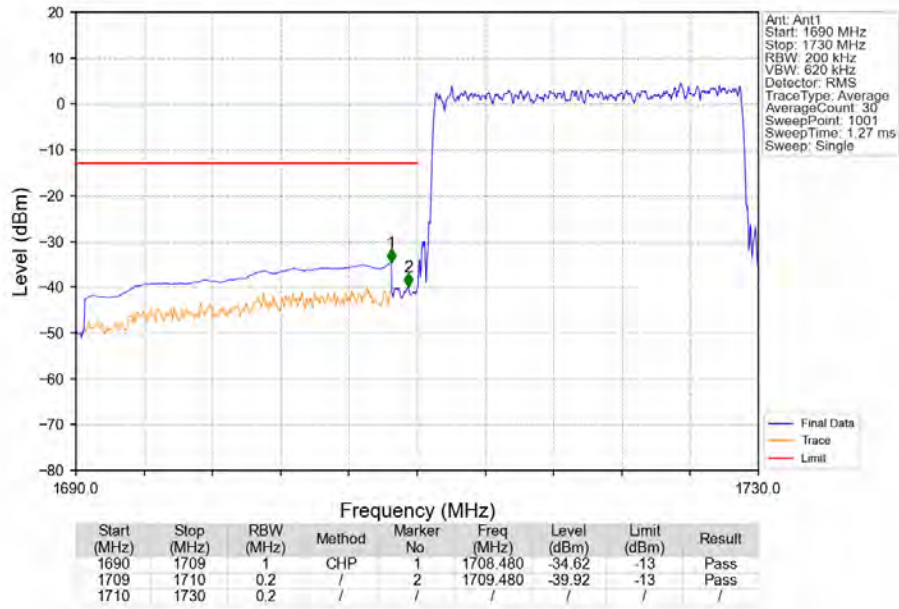
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



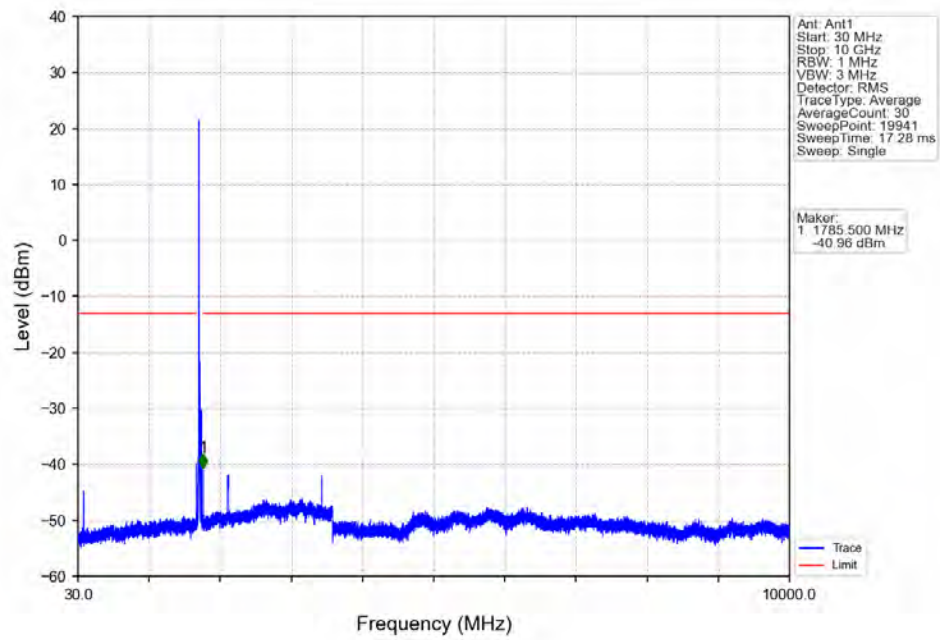
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



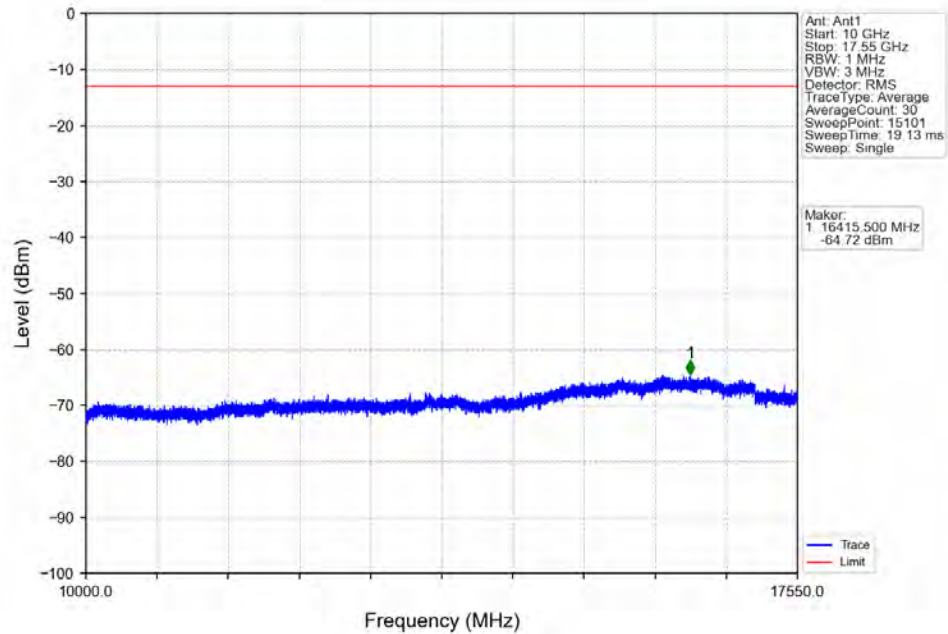
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



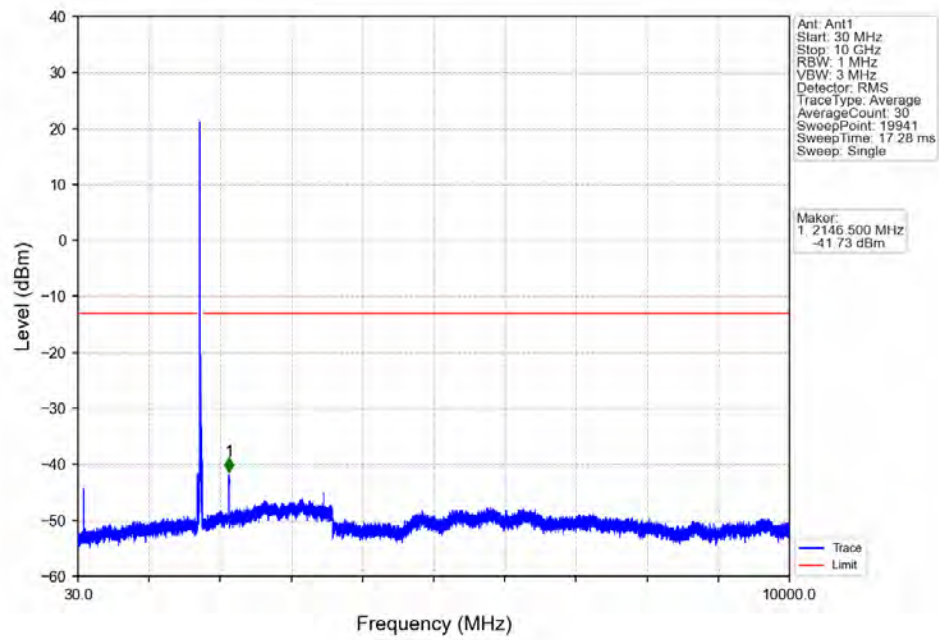
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



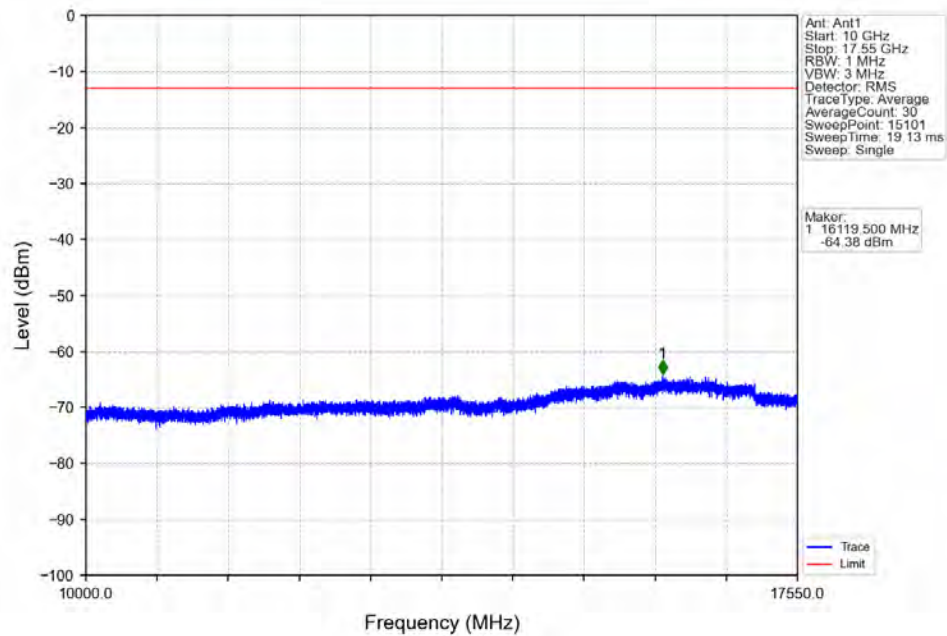
Band4 20MHz 16QAM MCH 1732.5MHz RB 1 0 NTNV



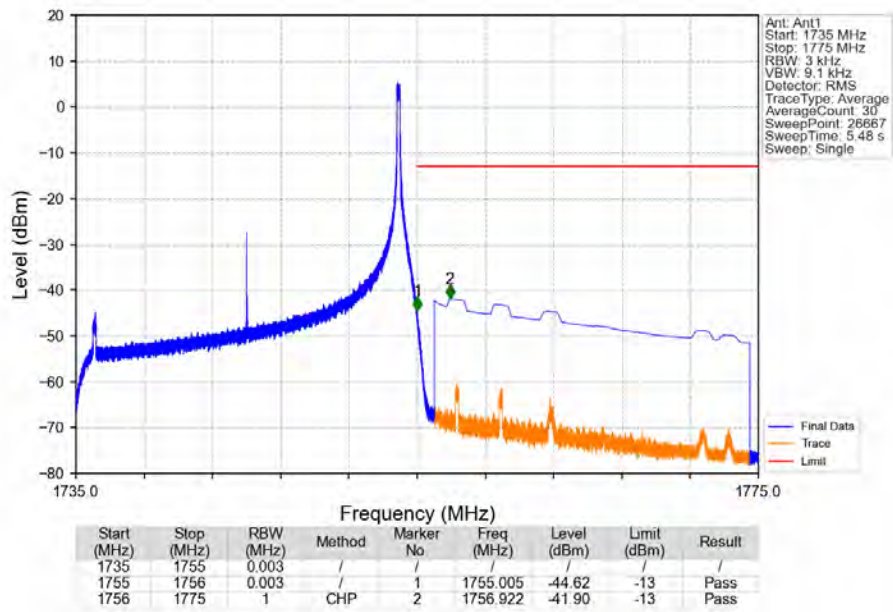
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTN



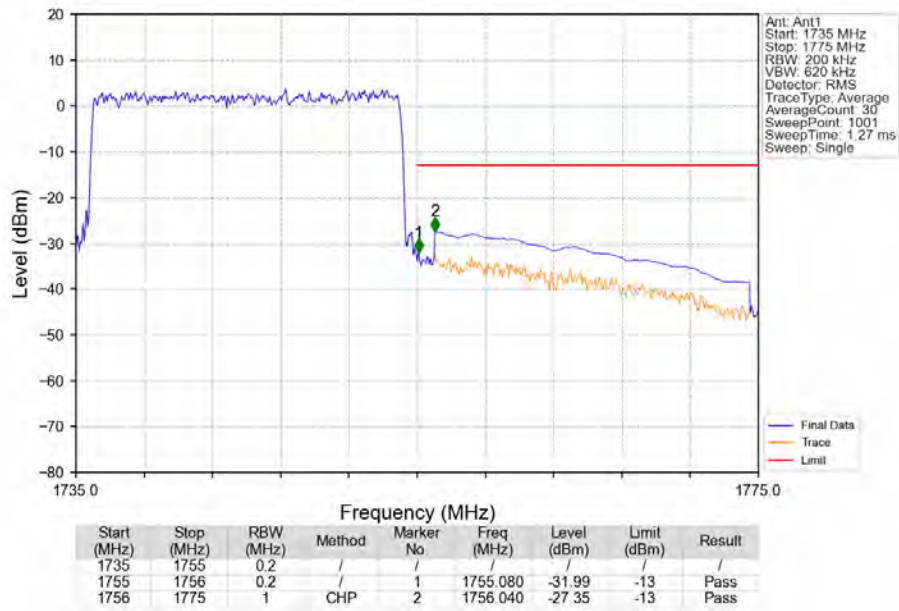
Band4 20MHz 16QAM HCH 1745MHz RB 1 0 NTN



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



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



7. Form731

7.1 Form731_Power

7.1.1 Test Result

Band	BW	Lower Freq	High Freq	MAX Power (W)	Value	Hz/ppm	Emission Designator	Rule Parts	MAX Power (dBm)
4	1.4	1710.7	1754.3	0.1762	0.0241	ppm	1M12G7D	27L	22.46
4	1.4	1710.7	1754.3	0.1503	0.0224	ppm	1M12W7D	27L	21.77
4	3	1711.5	1753.5	0.1774	0.0190	ppm	2M77G7D	27L	22.49
4	3	1711.5	1753.5	0.1603	0.0217	ppm	2M76W7D	27L	22.05
4	5	1712.5	1752.5	0.1778	0.0190	ppm	4M57G7D	27L	22.50
4	5	1712.5	1752.5	0.1469	0.0148	ppm	4M58W7D	27L	21.67
4	10	1715	1750	0.1746	0.0244	ppm	9M08G7D	27L	22.42
4	10	1715	1750	0.1607	0.0094	ppm	9M10W7D	27L	22.06
4	15	1717.5	1747.5	0.1832	0.0217	ppm	13M6G7D	27L	22.63
4	15	1717.5	1747.5	0.1507	0.0155	ppm	13M7W7D	27L	21.78
4	20	1720	1745	0.1824	0.0238	ppm	18M2G7D	27L	22.61
4	20	1720	1745	0.1592	0.0113	ppm	18M3W7D	27L	22.02

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	0.1991	0.0241	ppm	1M12G7D	27L	22.99
4	1.4	1710.7	1754.3	0.1698	0.0224	ppm	1M12W7D	27L	22.30
4	3	1711.5	1753.5	0.2004	0.0190	ppm	2M77G7D	27L	23.02
4	3	1711.5	1753.5	0.1811	0.0217	ppm	2M76W7D	27L	22.58
4	5	1712.5	1752.5	0.2009	0.0190	ppm	4M57G7D	27L	23.03
4	5	1712.5	1752.5	0.1660	0.0148	ppm	4M58W7D	27L	22.20
4	10	1715	1750	0.1972	0.0244	ppm	9M08G7D	27L	22.95
4	10	1715	1750	0.1816	0.0094	ppm	9M10W7D	27L	22.59
4	15	1717.5	1747.5	0.2070	0.0217	ppm	13M6G7D	27L	23.16
4	15	1717.5	1747.5	0.1702	0.0155	ppm	13M7W7D	27L	22.31
4	20	1720	1745	0.2061	0.0238	ppm	18M2G7D	27L	23.14
4	20	1720	1745	0.1799	0.0113	ppm	18M3W7D	27L	22.55