

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	23.08	3.00	26.08	<=30	Pass
			2	23.16	3.00	26.16	<=30	Pass
			5	23.10	3.00	26.10	<=30	Pass
		3	0	23.16	3.00	26.16	<=30	Pass
			2	23.19	3.00	26.19	<=30	Pass
			3	23.15	3.00	26.15	<=30	Pass
		6	0	22.09	3.00	25.09	<=30	Pass
	1732.5	1	0	23.44	3.00	26.44	<=30	Pass
			2	23.54	3.00	26.54	<=30	Pass
			5	23.47	3.00	26.47	<=30	Pass
		3	0	23.53	3.00	26.53	<=30	Pass
			2	23.60	3.00	26.60	<=30	Pass
			3	23.54	3.00	26.54	<=30	Pass
		6	0	22.43	3.00	25.43	<=30	Pass
	1754.3	1	0	23.88	3.00	26.88	<=30	Pass
			2	23.93	3.00	26.93	<=30	Pass
			5	23.89	3.00	26.89	<=30	Pass
		3	0	23.99	3.00	26.99	<=30	Pass
			2	23.94	3.00	26.94	<=30	Pass
			3	23.98	3.00	26.98	<=30	Pass
		6	0	22.94	3.00	25.94	<=30	Pass
16QAM	1710.7	1	0	22.27	3.00	25.27	<=30	Pass
			2	22.35	3.00	25.35	<=30	Pass
			5	22.24	3.00	25.24	<=30	Pass
		3	0	22.19	3.00	25.19	<=30	Pass
			2	22.25	3.00	25.25	<=30	Pass
			3	22.19	3.00	25.19	<=30	Pass
		6	0	21.11	3.00	24.11	<=30	Pass
	1732.5	1	0	22.49	3.00	25.49	<=30	Pass
			2	22.57	3.00	25.57	<=30	Pass
			5	22.52	3.00	25.52	<=30	Pass
		3	0	22.67	3.00	25.67	<=30	Pass
			2	22.73	3.00	25.73	<=30	Pass
			3	22.67	3.00	25.67	<=30	Pass
		6	0	21.42	3.00	24.42	<=30	Pass
	1754.3	1	0	22.93	3.00	25.93	<=30	Pass
			2	22.96	3.00	25.96	<=30	Pass
			5	22.92	3.00	25.92	<=30	Pass
		3	0	23.17	3.00	26.17	<=30	Pass
			2	23.28	3.00	26.28	<=30	Pass
			3	23.25	3.00	26.25	<=30	Pass
		6	0	21.99	3.00	24.99	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.17	3.00	26.17	<=30	Pass
			7	23.31	3.00	26.31	<=30	Pass
			14	23.15	3.00	26.15	<=30	Pass
		8	0	22.21	3.00	25.21	<=30	Pass
			4	22.25	3.00	25.25	<=30	Pass
			7	22.19	3.00	25.19	<=30	Pass
		15	0	22.21	3.00	25.21	<=30	Pass
	1732.5	1	0	23.46	3.00	26.46	<=30	Pass
			7	23.59	3.00	26.59	<=30	Pass
			14	23.46	3.00	26.46	<=30	Pass
		8	0	22.52	3.00	25.52	<=30	Pass
			4	22.59	3.00	25.59	<=30	Pass
			7	22.54	3.00	25.54	<=30	Pass
	15	0	22.57	3.00	25.57	<=30	Pass	
	1753.5	1	0	23.98	3.00	26.98	<=30	Pass
			7	23.98	3.00	26.98	<=30	Pass
			14	23.96	3.00	26.96	<=30	Pass
		8	0	23.04	3.00	26.04	<=30	Pass
			4	23.09	3.00	26.09	<=30	Pass
			7	23.07	3.00	26.07	<=30	Pass
		15	0	23.07	3.00	26.07	<=30	Pass
16QAM	1711.5	1	0	22.23	3.00	25.23	<=30	Pass
			7	22.30	3.00	25.30	<=30	Pass
			14	22.18	3.00	25.18	<=30	Pass
		8	0	21.29	3.00	24.29	<=30	Pass
			4	21.34	3.00	24.34	<=30	Pass
			7	21.27	3.00	24.27	<=30	Pass
		15	0	21.30	3.00	24.30	<=30	Pass
	1732.5	1	0	23.09	3.00	26.09	<=30	Pass
			7	23.22	3.00	26.22	<=30	Pass
			14	23.10	3.00	26.10	<=30	Pass
		8	0	21.77	3.00	24.77	<=30	Pass
			4	21.78	3.00	24.78	<=30	Pass
			7	21.76	3.00	24.76	<=30	Pass
	15	0	21.66	3.00	24.66	<=30	Pass	
	1753.5	1	0	23.15	3.00	26.15	<=30	Pass
			7	23.27	3.00	26.27	<=30	Pass
			14	23.15	3.00	26.15	<=30	Pass
		8	0	22.06	3.00	25.06	<=30	Pass
4			22.10	3.00	25.10	<=30	Pass	
7			22.05	3.00	25.05	<=30	Pass	
15	0	22.05	3.00	25.05	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B4_5MHz_EIRP

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	23.17	3.00	26.17	<=30	Pass
			13	23.27	3.00	26.27	<=30	Pass
			24	23.12	3.00	26.12	<=30	Pass

	1732.5	12	0	22.21	3.00	25.21	<=30	Pass			
			6	22.21	3.00	25.21	<=30	Pass			
			13	22.20	3.00	25.20	<=30	Pass			
		25	0	22.19	3.00	25.19	<=30	Pass			
			1	0	23.48	3.00	26.48	<=30	Pass		
				13	23.58	3.00	26.58	<=30	Pass		
		24		23.50	3.00	26.50	<=30	Pass			
		12	0	22.53	3.00	25.53	<=30	Pass			
			6	22.58	3.00	25.58	<=30	Pass			
	13		22.57	3.00	25.57	<=30	Pass				
	25	0	22.56	3.00	25.56	<=30	Pass				
		1752.5	1	0	23.87	3.00	26.87	<=30	Pass		
				13	23.95	3.00	26.95	<=30	Pass		
	24			23.95	3.00	26.95	<=30	Pass			
	12		0	22.98	3.00	25.98	<=30	Pass			
			6	23.09	3.00	26.09	<=30	Pass			
			13	23.07	3.00	26.07	<=30	Pass			
	25		0	22.97	3.00	25.97	<=30	Pass			
			16QAM	1712.5	1	0	22.01	3.00	25.01	<=30	Pass
						13	22.14	3.00	25.14	<=30	Pass
	24	22.06				3.00	25.06	<=30	Pass		
12	0	21.26			3.00	24.26	<=30	Pass			
	6	21.30			3.00	24.30	<=30	Pass			
	13	21.25			3.00	24.25	<=30	Pass			
25	0	21.28			3.00	24.28	<=30	Pass			
1732.5	1	0			22.80	3.00	25.80	<=30	Pass		
		13			22.90	3.00	25.90	<=30	Pass		
		24		22.83	3.00	25.83	<=30	Pass			
	12	0		21.66	3.00	24.66	<=30	Pass			
		6		21.70	3.00	24.70	<=30	Pass			
		13		21.65	3.00	24.65	<=30	Pass			
25	0	21.62		3.00	24.62	<=30	Pass				
1752.5	1	0		22.96	3.00	25.96	<=30	Pass			
		13		23.17	3.00	26.17	<=30	Pass			
		24		23.09	3.00	26.09	<=30	Pass			
	12	0		21.99	3.00	24.99	<=30	Pass			
		6	22.10	3.00	25.10	<=30	Pass				
		13	22.08	3.00	25.08	<=30	Pass				
	25	0	22.04	3.00	25.04	<=30	Pass				
Note1: EIRP=Conducted Power+Antenna Gain											

1.1.4 B4_10MHz_EIRP

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	23.16	3.00	26.16	<=30	Pass
			25	23.15	3.00	26.15	<=30	Pass
			49	23.23	3.00	26.23	<=30	Pass
		25	0	22.22	3.00	25.22	<=30	Pass
			13	22.35	3.00	25.35	<=30	Pass
			25	22.33	3.00	25.33	<=30	Pass
		50	0	22.36	3.00	25.36	<=30	Pass
	1732.5	1	0	23.46	3.00	26.46	<=30	Pass
			25	23.49	3.00	26.49	<=30	Pass

		25	49	23.62	3.00	26.62	<=30	Pass		
			0	22.52	3.00	25.52	<=30	Pass		
			13	22.57	3.00	25.57	<=30	Pass		
			25	22.59	3.00	25.59	<=30	Pass		
		50	0	22.55	3.00	25.55	<=30	Pass		
	1750	1	0	23.87	3.00	26.87	<=30	Pass		
			25	23.89	3.00	26.89	<=30	Pass		
			49	23.96	3.00	26.96	<=30	Pass		
		25	0	22.95	3.00	25.95	<=30	Pass		
			13	22.96	3.00	25.96	<=30	Pass		
			25	22.98	3.00	25.98	<=30	Pass		
		50	0	23.00	3.00	26.00	<=30	Pass		
		16QAM	1715	1	0	22.73	3.00	25.73	<=30	Pass
					25	22.74	3.00	25.74	<=30	Pass
	49				22.84	3.00	25.84	<=30	Pass	
	25			0	21.34	3.00	24.34	<=30	Pass	
13				21.47	3.00	24.47	<=30	Pass		
25				21.47	3.00	24.47	<=30	Pass		
50	0		21.38	3.00	24.38	<=30	Pass			
1732.5	1		0	22.67	3.00	25.67	<=30	Pass		
			25	22.70	3.00	25.70	<=30	Pass		
			49	22.83	3.00	25.83	<=30	Pass		
	25	0	21.63	3.00	24.63	<=30	Pass			
		13	21.69	3.00	24.69	<=30	Pass			
		25	21.71	3.00	24.71	<=30	Pass			
50	0	21.66	3.00	24.66	<=30	Pass				
1750	1	0	22.89	3.00	25.89	<=30	Pass			
		25	22.89	3.00	25.89	<=30	Pass			
		49	22.97	3.00	25.97	<=30	Pass			
	25	0	22.06	3.00	25.06	<=30	Pass			
		13	22.07	3.00	25.07	<=30	Pass			
		25	22.09	3.00	25.09	<=30	Pass			
50	0	22.03	3.00	25.03	<=30	Pass				
Note1: EIRP=Conducted Power+Antenna Gain										

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	23.12	3.00	26.12	<=30	Pass
			38	23.24	3.00	26.24	<=30	Pass
			74	23.23	3.00	26.23	<=30	Pass
		36	0	22.36	3.00	25.36	<=30	Pass
			18	22.37	3.00	25.37	<=30	Pass
			39	22.37	3.00	25.37	<=30	Pass
		75	0	22.35	3.00	25.35	<=30	Pass
	1732.5	1	0	23.38	3.00	26.38	<=30	Pass
			38	23.46	3.00	26.46	<=30	Pass
			74	23.57	3.00	26.57	<=30	Pass
		36	0	22.55	3.00	25.55	<=30	Pass
			18	22.60	3.00	25.60	<=30	Pass
			39	22.58	3.00	25.58	<=30	Pass
		75	0	22.57	3.00	25.57	<=30	Pass
	1747.5	1	0	23.65	3.00	26.65	<=30	Pass

16QAM	1717.5	36	38	23.85	3.00	26.85	<=30	Pass
			74	23.88	3.00	26.88	<=30	Pass
			0	22.82	3.00	25.82	<=30	Pass
		75	18	23.03	3.00	26.03	<=30	Pass
			39	23.01	3.00	26.01	<=30	Pass
			0	22.95	3.00	25.95	<=30	Pass
	1732.5	1	0	22.71	3.00	25.71	<=30	Pass
			38	22.85	3.00	25.85	<=30	Pass
			74	22.87	3.00	25.87	<=30	Pass
		36	0	21.40	3.00	24.40	<=30	Pass
			18	21.46	3.00	24.46	<=30	Pass
			39	21.45	3.00	24.45	<=30	Pass
		75	0	21.37	3.00	24.37	<=30	Pass
	1747.5	1	0	22.57	3.00	25.57	<=30	Pass
			38	22.71	3.00	25.71	<=30	Pass
			74	22.83	3.00	25.83	<=30	Pass
		36	0	21.58	3.00	24.58	<=30	Pass
			18	21.61	3.00	24.61	<=30	Pass
			39	21.64	3.00	24.64	<=30	Pass
		75	0	21.60	3.00	24.60	<=30	Pass
	1747.5	1	0	23.10	3.00	26.10	<=30	Pass
			38	23.26	3.00	26.26	<=30	Pass
			74	23.27	3.00	26.27	<=30	Pass
		36	0	21.82	3.00	24.82	<=30	Pass
			18	21.97	3.00	24.97	<=30	Pass
			39	21.98	3.00	24.98	<=30	Pass
		75	0	21.96	3.00	24.96	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.08	3.00	26.08	<=30	Pass
			50	23.24	3.00	26.24	<=30	Pass
			99	23.42	3.00	26.42	<=30	Pass
		50	0	22.30	3.00	25.30	<=30	Pass
			25	22.40	3.00	25.40	<=30	Pass
			50	22.50	3.00	25.50	<=30	Pass
		100	0	22.33	3.00	25.33	<=30	Pass
	1732.5	1	0	23.24	3.00	26.24	<=30	Pass
			50	23.51	3.00	26.51	<=30	Pass
			99	23.65	3.00	26.65	<=30	Pass
		50	0	22.51	3.00	25.51	<=30	Pass
			25	22.65	3.00	25.65	<=30	Pass
			50	22.64	3.00	25.64	<=30	Pass
		100	0	22.58	3.00	25.58	<=30	Pass
	1745	1	0	23.59	3.00	26.59	<=30	Pass
			50	23.81	3.00	26.81	<=30	Pass
			99	23.88	3.00	26.88	<=30	Pass
		50	0	22.77	3.00	25.77	<=30	Pass
			25	22.80	3.00	25.80	<=30	Pass
			50	22.96	3.00	25.96	<=30	Pass
		100	0	22.77	3.00	25.77	<=30	Pass

16QAM	1720	1	0	22.37	3.00	25.37	<=30	Pass
			50	22.58	3.00	25.58	<=30	Pass
			99	22.75	3.00	25.75	<=30	Pass
		50	0	21.37	3.00	24.37	<=30	Pass
			25	21.48	3.00	24.48	<=30	Pass
			50	21.54	3.00	24.54	<=30	Pass
		100	0	21.43	3.00	24.43	<=30	Pass
	1732.5	1	0	22.50	3.00	25.50	<=30	Pass
			50	22.76	3.00	25.76	<=30	Pass
			99	22.88	3.00	25.88	<=30	Pass
		50	0	21.57	3.00	24.57	<=30	Pass
			25	21.66	3.00	24.66	<=30	Pass
			50	21.70	3.00	24.70	<=30	Pass
		100	0	21.65	3.00	24.65	<=30	Pass
	1745	1	0	23.18	3.00	26.18	<=30	Pass
			50	23.38	3.00	26.38	<=30	Pass
			99	23.48	3.00	26.48	<=30	Pass
		50	0	21.77	3.00	24.77	<=30	Pass
			25	21.84	3.00	24.84	<=30	Pass
			50	21.98	3.00	24.98	<=30	Pass
		100	0	21.82	3.00	24.82	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-15.502	-0.0091	-2.5 to 2.5	Pass
					3.85	-5.508	-0.0032	-2.5 to 2.5	Pass
					4.43	-0.686	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.669	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-4.461	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-12.035	-0.0070	-2.5 to 2.5	Pass
				0	3.85	-4.643	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-10.808	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-7.863	-0.0046	-2.5 to 2.5	Pass
				40	3.85	3.985	0.0023	-2.5 to 2.5	Pass
				50	3.85	-1.507	-0.0009	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	17.833	0.0103	-2.5 to 2.5	Pass
					3.85	17.055	0.0098	-2.5 to 2.5	Pass
					4.43	3.144	0.0018	-2.5 to 2.5	Pass
				-30	3.85	6.133	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-3.814	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	1.612	0.0009	-2.5 to 2.5	Pass
				0	3.85	-5.587	-0.0032	-2.5 to 2.5	Pass
				10	3.85	0.123	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.010	-0.0017	-2.5 to 2.5	Pass
				40	3.85	2.224	0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.576	-0.0003	-2.5 to 2.5	Pass

	1754.3	6	0	20	3.27	7.607	0.0043	-2.5 to 2.5	Pass
					3.85	-1.942	-0.0011	-2.5 to 2.5	Pass
					4.43	1.341	0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.612	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-5.836	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-4.601	-0.0026	-2.5 to 2.5	Pass
				0	3.85	2.101	0.0012	-2.5 to 2.5	Pass
				10	3.85	-4.093	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-7.450	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-8.763	-0.0050	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-11.317	-0.0066	-2.5 to 2.5	Pass
					3.85	1.032	0.0006	-2.5 to 2.5	Pass
					4.43	3.983	0.0023	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-5.200	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	3.404	0.0020	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				10	3.85	0.319	0.0002	-2.5 to 2.5	Pass
				30	3.85	3.275	0.0019	-2.5 to 2.5	Pass
				40	3.85	-6.003	-0.0035	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-6.806	-0.0039	-2.5 to 2.5	Pass
					3.85	-5.139	-0.0030	-2.5 to 2.5	Pass
					4.43	1.818	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-3.256	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-4.012	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	5.997	0.0035	-2.5 to 2.5	Pass
				0	3.85	0.106	0.0001	-2.5 to 2.5	Pass
				10	3.85	-3.585	-0.0021	-2.5 to 2.5	Pass
				30	3.85	2.893	0.0017	-2.5 to 2.5	Pass
				40	3.85	4.326	0.0025	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	1.969	0.0011	-2.5 to 2.5	Pass
					3.85	-5.444	-0.0031	-2.5 to 2.5	Pass
					4.43	-5.129	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-8.073	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-5.924	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	0.656	0.0004	-2.5 to 2.5	Pass
				0	3.85	5.783	0.0033	-2.5 to 2.5	Pass
				10	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				30	3.85	2.155	0.0012	-2.5 to 2.5	Pass
				40	3.85	3.318	0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.250	-0.0001	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	5.670	0.0033	-2.5 to 2.5	Pass
					3.85	1.352	0.0008	-2.5 to 2.5	Pass
					4.43	0.309	0.0002	-2.5 to 2.5	Pass
				-30	3.85	9.231	0.0054	-2.5 to 2.5	Pass
				-20	3.85	13.730	0.0080	-2.5 to 2.5	Pass

				-10	3.85	6.488	0.0038	-2.5 to 2.5	Pass
				0	3.85	10.198	0.0060	-2.5 to 2.5	Pass
				10	3.85	1.249	0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.469	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.091	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-1.746	-0.0010	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	5.664	0.0033	-2.5 to 2.5	Pass
					3.85	6.063	0.0035	-2.5 to 2.5	Pass
					4.43	6.709	0.0039	-2.5 to 2.5	Pass
				-30	3.85	13.755	0.0079	-2.5 to 2.5	Pass
				-20	3.85	15.613	0.0090	-2.5 to 2.5	Pass
				-10	3.85	11.293	0.0065	-2.5 to 2.5	Pass
				0	3.85	8.285	0.0048	-2.5 to 2.5	Pass
				10	3.85	0.929	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.986	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				50	3.85	2.453	0.0014	-2.5 to 2.5	Pass
				20	3.27	7.279	0.0042	-2.5 to 2.5	Pass
					3.85	0.043	0.0000	-2.5 to 2.5	Pass
					4.43	12.140	0.0069	-2.5 to 2.5	Pass
	1753.5	15	0	-30	3.85	11.865	0.0068	-2.5 to 2.5	Pass
				-20	3.85	5.374	0.0031	-2.5 to 2.5	Pass
				-10	3.85	1.609	0.0009	-2.5 to 2.5	Pass
				0	3.85	8.308	0.0047	-2.5 to 2.5	Pass
				10	3.85	0.161	0.0001	-2.5 to 2.5	Pass
				30	3.85	12.061	0.0069	-2.5 to 2.5	Pass
				40	3.85	10.189	0.0058	-2.5 to 2.5	Pass
				50	3.85	7.675	0.0044	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-0.062	0.0000	-2.5 to 2.5	Pass
					3.85	6.260	0.0037	-2.5 to 2.5	Pass
					4.43	1.536	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.457	0.0003	-2.5 to 2.5	Pass
				-20	3.85	6.348	0.0037	-2.5 to 2.5	Pass
				-10	3.85	11.499	0.0067	-2.5 to 2.5	Pass
				0	3.85	8.259	0.0048	-2.5 to 2.5	Pass
				10	3.85	12.286	0.0072	-2.5 to 2.5	Pass
				30	3.85	8.290	0.0048	-2.5 to 2.5	Pass
				40	3.85	10.816	0.0063	-2.5 to 2.5	Pass
				50	3.85	3.691	0.0022	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	7.761	0.0045	-2.5 to 2.5	Pass
					3.85	11.757	0.0068	-2.5 to 2.5	Pass
					4.43	0.167	0.0001	-2.5 to 2.5	Pass
				-30	3.85	5.467	0.0032	-2.5 to 2.5	Pass
				-20	3.85	13.285	0.0077	-2.5 to 2.5	Pass
				-10	3.85	9.021	0.0052	-2.5 to 2.5	Pass
				0	3.85	2.471	0.0014	-2.5 to 2.5	Pass
				10	3.85	6.604	0.0038	-2.5 to 2.5	Pass
				30	3.85	6.710	0.0039	-2.5 to 2.5	Pass
				40	3.85	10.973	0.0063	-2.5 to 2.5	Pass
				50	3.85	11.669	0.0067	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	12.222	0.0070	-2.5 to 2.5	Pass
					3.85	7.247	0.0041	-2.5 to 2.5	Pass
					4.43	9.716	0.0055	-2.5 to 2.5	Pass
				-30	3.85	3.765	0.0021	-2.5 to 2.5	Pass
				-20	3.85	2.897	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.189	0.0018	-2.5 to 2.5	Pass
				0	3.85	9.569	0.0055	-2.5 to 2.5	Pass

				10	3.85	8.432	0.0048	-2.5 to 2.5	Pass
				30	3.85	10.575	0.0060	-2.5 to 2.5	Pass
				40	3.85	12.381	0.0071	-2.5 to 2.5	Pass
				50	3.85	9.997	0.0057	-2.5 to 2.5	Pass

2.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.27	-4.321	-0.0025	-2.5 to 2.5	Pass
					3.85	0.696	0.0004	-2.5 to 2.5	Pass
					4.43	2.451	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-10.080	-0.0059	-2.5 to 2.5	Pass
				-20	3.85	-7.815	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	2.418	0.0014	-2.5 to 2.5	Pass
				0	3.85	1.633	0.0010	-2.5 to 2.5	Pass
				10	3.85	-0.511	-0.0003	-2.5 to 2.5	Pass
				30	3.85	0.279	0.0002	-2.5 to 2.5	Pass
				40	3.85	2.950	0.0017	-2.5 to 2.5	Pass
				50	3.85	-11.698	-0.0068	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	4.337	0.0025	-2.5 to 2.5	Pass
					3.85	10.298	0.0059	-2.5 to 2.5	Pass
					4.43	8.388	0.0048	-2.5 to 2.5	Pass
				-30	3.85	4.937	0.0028	-2.5 to 2.5	Pass
				-20	3.85	2.841	0.0016	-2.5 to 2.5	Pass
				-10	3.85	3.282	0.0019	-2.5 to 2.5	Pass
				0	3.85	4.434	0.0026	-2.5 to 2.5	Pass
				10	3.85	5.261	0.0030	-2.5 to 2.5	Pass
				30	3.85	6.752	0.0039	-2.5 to 2.5	Pass
				40	3.85	11.128	0.0064	-2.5 to 2.5	Pass
				50	3.85	-0.131	-0.0001	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	3.347	0.0019	-2.5 to 2.5	Pass
					3.85	8.488	0.0048	-2.5 to 2.5	Pass
					4.43	6.778	0.0039	-2.5 to 2.5	Pass
				-30	3.85	5.165	0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.249	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	0.500	0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				10	3.85	5.903	0.0034	-2.5 to 2.5	Pass
				30	3.85	2.088	0.0012	-2.5 to 2.5	Pass
				40	3.85	-5.525	-0.0032	-2.5 to 2.5	Pass
				50	3.85	7.074	0.0040	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-9.609	-0.0056	-2.5 to 2.5	Pass
					3.85	2.017	0.0012	-2.5 to 2.5	Pass
					4.43	-1.387	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-0.153	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.906	0.0011	-2.5 to 2.5	Pass
				-10	3.85	-5.500	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-0.939	-0.0005	-2.5 to 2.5	Pass
				10	3.85	1.626	0.0009	-2.5 to 2.5	Pass
				30	3.85	-10.223	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-2.091	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-6.174	-0.0036	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	3.204	0.0018	-2.5 to 2.5	Pass

					3.85	0.662	0.0004	-2.5 to 2.5	Pass
					4.43	8.757	0.0051	-2.5 to 2.5	Pass
				-30	3.85	-0.224	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	6.565	0.0038	-2.5 to 2.5	Pass
				-10	3.85	9.185	0.0053	-2.5 to 2.5	Pass
				0	3.85	4.958	0.0029	-2.5 to 2.5	Pass
				10	3.85	13.913	0.0080	-2.5 to 2.5	Pass
				30	3.85	5.395	0.0031	-2.5 to 2.5	Pass
				40	3.85	8.547	0.0049	-2.5 to 2.5	Pass
				50	3.85	10.104	0.0058	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-3.510	-0.0020	-2.5 to 2.5	Pass
					3.85	5.252	0.0030	-2.5 to 2.5	Pass
					4.43	7.094	0.0040	-2.5 to 2.5	Pass
				-30	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-4.634	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-1.128	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-1.125	-0.0006	-2.5 to 2.5	Pass
				10	3.85	2.576	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				40	3.85	5.024	0.0029	-2.5 to 2.5	Pass
				50	3.85	3.084	0.0018	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	3.096	0.0018	-2.5 to 2.5	Pass
					3.85	-1.660	-0.0010	-2.5 to 2.5	Pass
					4.43	-2.402	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	6.470	0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.626	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	0.369	0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				10	3.85	0.430	0.0003	-2.5 to 2.5	Pass
				30	3.85	1.068	0.0006	-2.5 to 2.5	Pass
				40	3.85	-5.330	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-3.965	-0.0023	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	11.843	0.0068	-2.5 to 2.5	Pass
					3.85	-0.209	-0.0001	-2.5 to 2.5	Pass
					4.43	6.269	0.0036	-2.5 to 2.5	Pass
				-30	3.85	9.787	0.0056	-2.5 to 2.5	Pass
				-20	3.85	1.776	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.884	0.0011	-2.5 to 2.5	Pass
				0	3.85	6.027	0.0035	-2.5 to 2.5	Pass
				10	3.85	4.076	0.0024	-2.5 to 2.5	Pass
				30	3.85	8.760	0.0051	-2.5 to 2.5	Pass
				40	3.85	13.397	0.0077	-2.5 to 2.5	Pass
				50	3.85	2.022	0.0012	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	2.807	0.0016	-2.5 to 2.5	Pass
					3.85	-9.887	-0.0056	-2.5 to 2.5	Pass
					4.43	-3.864	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	1.824	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-9.079	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-0.899	-0.0005	-2.5 to 2.5	Pass

				0	3.85	-10.878	-0.0062	-2.5 to 2.5	Pass
				10	3.85	-0.310	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-8.121	-0.0046	-2.5 to 2.5	Pass
				40	3.85	3.809	0.0022	-2.5 to 2.5	Pass
				50	3.85	-8.929	-0.0051	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	9.529	0.0056	-2.5 to 2.5	Pass
					3.85	4.792	0.0028	-2.5 to 2.5	Pass
					4.43	3.228	0.0019	-2.5 to 2.5	Pass
				-30	3.85	3.086	0.0018	-2.5 to 2.5	Pass
				-20	3.85	6.403	0.0037	-2.5 to 2.5	Pass
				-10	3.85	7.732	0.0045	-2.5 to 2.5	Pass
				0	3.85	5.752	0.0034	-2.5 to 2.5	Pass
				10	3.85	5.323	0.0031	-2.5 to 2.5	Pass
				30	3.85	5.915	0.0034	-2.5 to 2.5	Pass
				40	3.85	2.617	0.0015	-2.5 to 2.5	Pass
				50	3.85	3.892	0.0023	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	11.652	0.0067	-2.5 to 2.5	Pass
					3.85	11.569	0.0067	-2.5 to 2.5	Pass
					4.43	0.220	0.0001	-2.5 to 2.5	Pass
				-30	3.85	4.116	0.0024	-2.5 to 2.5	Pass
				-20	3.85	4.214	0.0024	-2.5 to 2.5	Pass
				-10	3.85	3.950	0.0023	-2.5 to 2.5	Pass
				0	3.85	-0.238	-0.0001	-2.5 to 2.5	Pass
				10	3.85	9.635	0.0056	-2.5 to 2.5	Pass
				30	3.85	11.403	0.0066	-2.5 to 2.5	Pass
				40	3.85	8.957	0.0052	-2.5 to 2.5	Pass
				50	3.85	11.096	0.0064	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	3.587	0.0020	-2.5 to 2.5	Pass
					3.85	-3.111	-0.0018	-2.5 to 2.5	Pass
					4.43	-3.359	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-10.492	-0.0060	-2.5 to 2.5	Pass
				-20	3.85	-4.380	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	2.060	0.0012	-2.5 to 2.5	Pass
				0	3.85	-8.491	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-6.092	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-1.462	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-8.769	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-2.956	-0.0017	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	1.652	0.0010	-2.5 to 2.5	Pass
					3.85	1.347	0.0008	-2.5 to 2.5	Pass
					4.43	12.858	0.0075	-2.5 to 2.5	Pass
				-30	3.85	1.768	0.0010	-2.5 to 2.5	Pass
				-20	3.85	10.842	0.0063	-2.5 to 2.5	Pass
				-10	3.85	0.400	0.0002	-2.5 to 2.5	Pass
				0	3.85	10.630	0.0062	-2.5 to 2.5	Pass
				10	3.85	6.182	0.0036	-2.5 to 2.5	Pass
				30	3.85	0.929	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.801	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.399	0.0008	-2.5 to 2.5	Pass

	1732.5	75	0	20	3.27	1.497	0.0009	-2.5 to 2.5	Pass
					3.85	2.218	0.0013	-2.5 to 2.5	Pass
					4.43	6.507	0.0038	-2.5 to 2.5	Pass
				-30	3.85	13.810	0.0080	-2.5 to 2.5	Pass
				-20	3.85	-0.586	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	14.011	0.0081	-2.5 to 2.5	Pass
				0	3.85	13.635	0.0079	-2.5 to 2.5	Pass
				10	3.85	13.395	0.0077	-2.5 to 2.5	Pass
				30	3.85	7.550	0.0044	-2.5 to 2.5	Pass
				40	3.85	11.210	0.0065	-2.5 to 2.5	Pass
				50	3.85	8.461	0.0049	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	11.651	0.0067	-2.5 to 2.5	Pass
					3.85	11.631	0.0067	-2.5 to 2.5	Pass
					4.43	-0.351	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	4.694	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-0.227	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	0.870	0.0005	-2.5 to 2.5	Pass
				0	3.85	3.638	0.0021	-2.5 to 2.5	Pass
				10	3.85	10.274	0.0059	-2.5 to 2.5	Pass
				30	3.85	-1.291	-0.0007	-2.5 to 2.5	Pass
				40	3.85	3.953	0.0023	-2.5 to 2.5	Pass
				50	3.85	2.071	0.0012	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	3.128	0.0018	-2.5 to 2.5	Pass
					3.85	12.085	0.0070	-2.5 to 2.5	Pass
					4.43	7.659	0.0045	-2.5 to 2.5	Pass
				-30	3.85	9.570	0.0056	-2.5 to 2.5	Pass
				-20	3.85	14.178	0.0083	-2.5 to 2.5	Pass
				-10	3.85	12.250	0.0071	-2.5 to 2.5	Pass
				0	3.85	14.339	0.0083	-2.5 to 2.5	Pass
				10	3.85	-0.531	-0.0003	-2.5 to 2.5	Pass
				30	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				40	3.85	0.219	0.0001	-2.5 to 2.5	Pass
				50	3.85	4.065	0.0024	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	5.383	0.0031	-2.5 to 2.5	Pass
					3.85	10.241	0.0059	-2.5 to 2.5	Pass
					4.43	-0.298	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	10.409	0.0060	-2.5 to 2.5	Pass
				-20	3.85	13.015	0.0075	-2.5 to 2.5	Pass
				-10	3.85	6.275	0.0036	-2.5 to 2.5	Pass
				0	3.85	-2.326	-0.0013	-2.5 to 2.5	Pass
				10	3.85	9.229	0.0053	-2.5 to 2.5	Pass
				30	3.85	1.522	0.0009	-2.5 to 2.5	Pass
				40	3.85	5.803	0.0033	-2.5 to 2.5	Pass
				50	3.85	-1.535	-0.0009	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	9.804	0.0056	-2.5 to 2.5	Pass
					3.85	1.012	0.0006	-2.5 to 2.5	Pass
					4.43	0.549	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.908	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.182	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	4.693	0.0027	-2.5 to 2.5	Pass
				0	3.85	10.478	0.0060	-2.5 to 2.5	Pass
				10	3.85	10.738	0.0061	-2.5 to 2.5	Pass
				30	3.85	8.471	0.0048	-2.5 to 2.5	Pass
				40	3.85	1.878	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.090	0.0012	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	3.024	0.0018	-2.5 to 2.5	Pass
					3.85	-7.959	-0.0046	-2.5 to 2.5	Pass
					4.43	2.430	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-7.576	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-5.711	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-4.975	-0.0029	-2.5 to 2.5	Pass
				0	3.85	0.962	0.0006	-2.5 to 2.5	Pass
				10	3.85	-8.926	-0.0052	-2.5 to 2.5	Pass
				30	3.85	-11.581	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-9.081	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-5.317	-0.0031	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.140	-0.0012	-2.5 to 2.5	Pass
					3.85	11.985	0.0069	-2.5 to 2.5	Pass
					4.43	-2.326	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	13.370	0.0077	-2.5 to 2.5	Pass
				-20	3.85	11.263	0.0065	-2.5 to 2.5	Pass
				-10	3.85	7.429	0.0043	-2.5 to 2.5	Pass
				0	3.85	10.389	0.0060	-2.5 to 2.5	Pass
				10	3.85	-1.567	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.150	-0.0001	-2.5 to 2.5	Pass
				40	3.85	1.014	0.0006	-2.5 to 2.5	Pass
				50	3.85	12.891	0.0074	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.894	-0.0034	-2.5 to 2.5	Pass
					3.85	-5.012	-0.0029	-2.5 to 2.5	Pass
					4.43	1.404	0.0008	-2.5 to 2.5	Pass
				-30	3.85	-6.626	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-4.073	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-0.042	0.0000	-2.5 to 2.5	Pass
				0	3.85	5.573	0.0032	-2.5 to 2.5	Pass
				10	3.85	-5.491	-0.0031	-2.5 to 2.5	Pass
				30	3.85	3.845	0.0022	-2.5 to 2.5	Pass
				40	3.85	-8.334	-0.0048	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-4.400	-0.0026	-2.5 to 2.5	Pass
					3.85	-12.164	-0.0071	-2.5 to 2.5	Pass
					4.43	-0.608	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	2.700	0.0016	-2.5 to 2.5	Pass
				-20	3.85	0.579	0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.498	-0.0020	-2.5 to 2.5	Pass
				0	3.85	0.906	0.0005	-2.5 to 2.5	Pass
				10	3.85	-0.496	-0.0003	-2.5 to 2.5	Pass
				30	3.85	2.168	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.264	0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.823	-0.0005	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	8.913	0.0051	-2.5 to 2.5	Pass
					3.85	7.457	0.0043	-2.5 to 2.5	Pass
					4.43	-1.160	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-1.397	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	6.275	0.0036	-2.5 to 2.5	Pass
				-10	3.85	-1.440	-0.0008	-2.5 to 2.5	Pass
				0	3.85	2.814	0.0016	-2.5 to 2.5	Pass

				10	3.85	9.776	0.0056	-2.5 to 2.5	Pass
				30	3.85	3.842	0.0022	-2.5 to 2.5	Pass
				40	3.85	3.399	0.0020	-2.5 to 2.5	Pass
				50	3.85	10.924	0.0063	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	7.394	0.0042	-2.5 to 2.5	Pass
					3.85	1.271	0.0007	-2.5 to 2.5	Pass
					4.43	-0.518	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	4.886	0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.477	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	3.578	0.0021	-2.5 to 2.5	Pass
				0	3.85	5.075	0.0029	-2.5 to 2.5	Pass
				10	3.85	-5.004	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-4.641	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-1.920	-0.0011	-2.5 to 2.5	Pass
				50	3.85	2.637	0.0015	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.118	/	Pass
		1754.3	6	0	1.106	/	Pass
	16QAM	1710.7	6	0	1.107	/	Pass
		1732.5	6	0	1.108	/	Pass
		1754.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.744	/	Pass
		1732.5	15	0	2.747	/	Pass
		1753.5	15	0	2.736	/	Pass
	16QAM	1711.5	15	0	2.746	/	Pass
		1732.5	15	0	2.750	/	Pass
		1753.5	15	0	2.739	/	Pass
5	QPSK	1712.5	25	0	4.579	/	Pass
		1732.5	25	0	4.551	/	Pass
		1752.5	25	0	4.560	/	Pass
	16QAM	1712.5	25	0	4.559	/	Pass
		1732.5	25	0	4.576	/	Pass
		1752.5	25	0	4.578	/	Pass
10	QPSK	1715	50	0	9.054	/	Pass
		1732.5	50	0	9.052	/	Pass
		1750	50	0	9.074	/	Pass
	16QAM	1715	50	0	9.054	/	Pass
		1732.5	50	0	9.057	/	Pass
		1750	50	0	9.057	/	Pass
15	QPSK	1717.5	75	0	13.602	/	Pass
		1732.5	75	0	13.560	/	Pass
		1747.5	75	0	13.595	/	Pass
	16QAM	1717.5	75	0	13.618	/	Pass
		1732.5	75	0	13.527	/	Pass

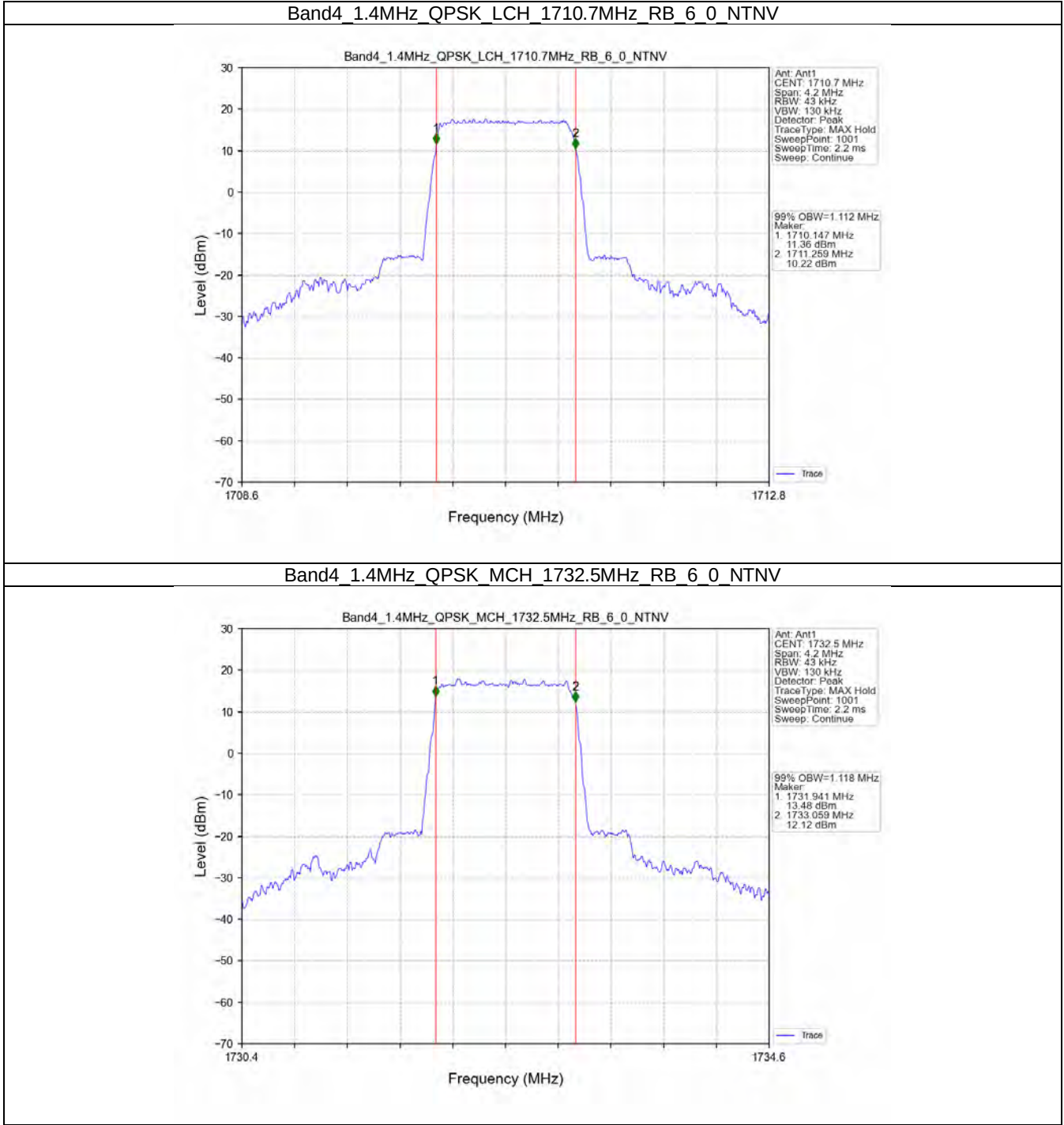
		1747.5	75	0	13.615	/	Pass
20	QPSK	1720	100	0	18.122	/	Pass
		1732.5	100	0	18.093	/	Pass
		1745	100	0	18.133	/	Pass
		1720	100	0	18.141	/	Pass
	16QAM	1732.5	100	0	18.059	/	Pass
		1745	100	0	18.135	/	Pass

3.1.2 Band4_XDB

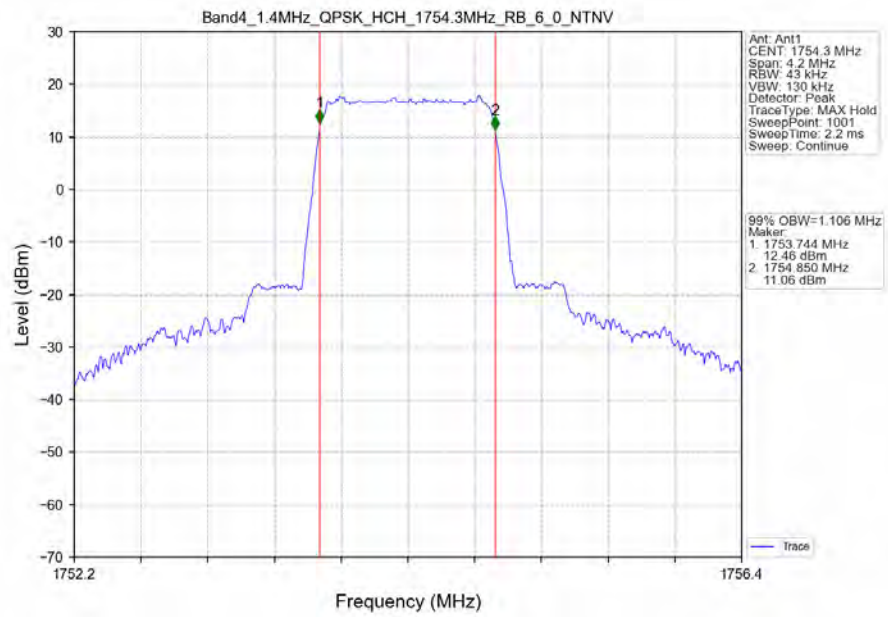
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.268	/	Pass
		1732.5	6	0	1.258	/	Pass
		1754.3	6	0	1.261	/	Pass
	16QAM	1710.7	6	0	1.255	/	Pass
		1732.5	6	0	1.269	/	Pass
		1754.3	6	0	1.267	/	Pass
3	QPSK	1711.5	15	0	3.066	/	Pass
		1732.5	15	0	3.059	/	Pass
		1753.5	15	0	3.062	/	Pass
	16QAM	1711.5	15	0	3.066	/	Pass
		1732.5	15	0	3.044	/	Pass
		1753.5	15	0	3.080	/	Pass
5	QPSK	1712.5	25	0	5.066	/	Pass
		1732.5	25	0	5.063	/	Pass
		1752.5	25	0	5.076	/	Pass
	16QAM	1712.5	25	0	5.037	/	Pass
		1732.5	25	0	5.061	/	Pass
		1752.5	25	0	5.099	/	Pass
10	QPSK	1715	50	0	10.019	/	Pass
		1732.5	50	0	9.932	/	Pass
		1750	50	0	9.992	/	Pass
	16QAM	1715	50	0	10.053	/	Pass
		1732.5	50	0	9.930	/	Pass
		1750	50	0	9.978	/	Pass
15	QPSK	1717.5	75	0	14.956	/	Pass
		1732.5	75	0	14.894	/	Pass
		1747.5	75	0	14.959	/	Pass
	16QAM	1717.5	75	0	15.019	/	Pass
		1732.5	75	0	14.951	/	Pass
		1747.5	75	0	15.074	/	Pass
20	QPSK	1720	100	0	19.838	/	Pass
		1732.5	100	0	19.736	/	Pass
		1745	100	0	19.826	/	Pass
	16QAM	1720	100	0	19.870	/	Pass
		1732.5	100	0	19.764	/	Pass
		1745	100	0	19.946	/	Pass

3.2 Test Graph

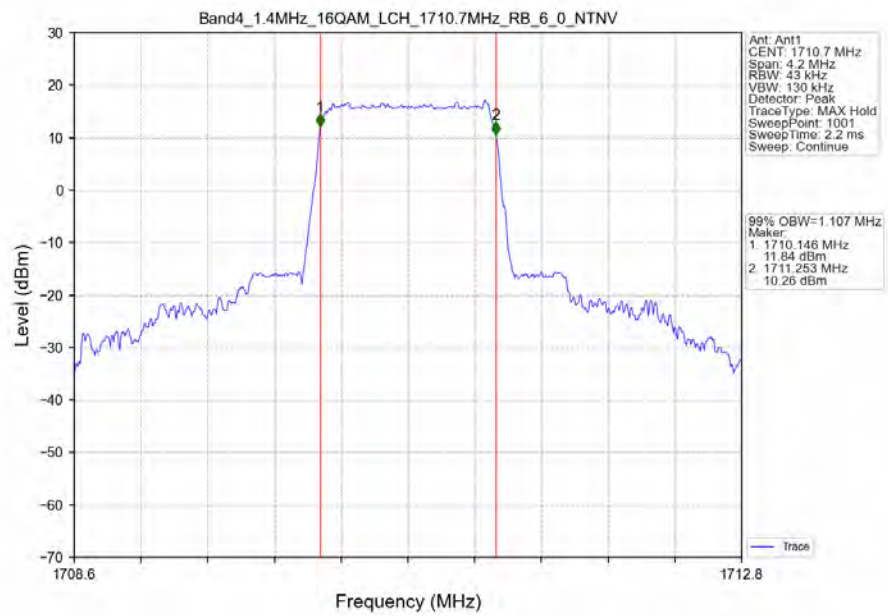
3.2.1 Band4_OBW



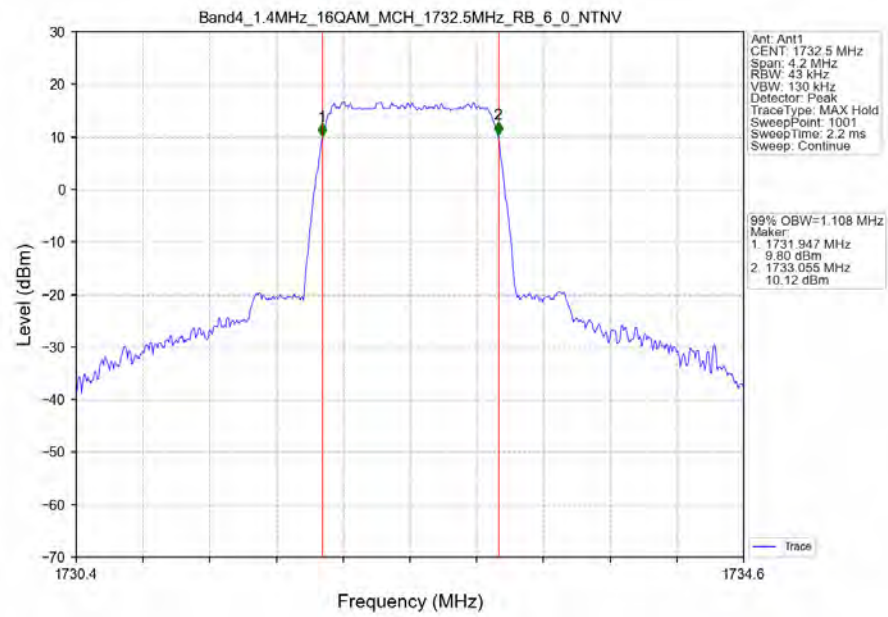
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



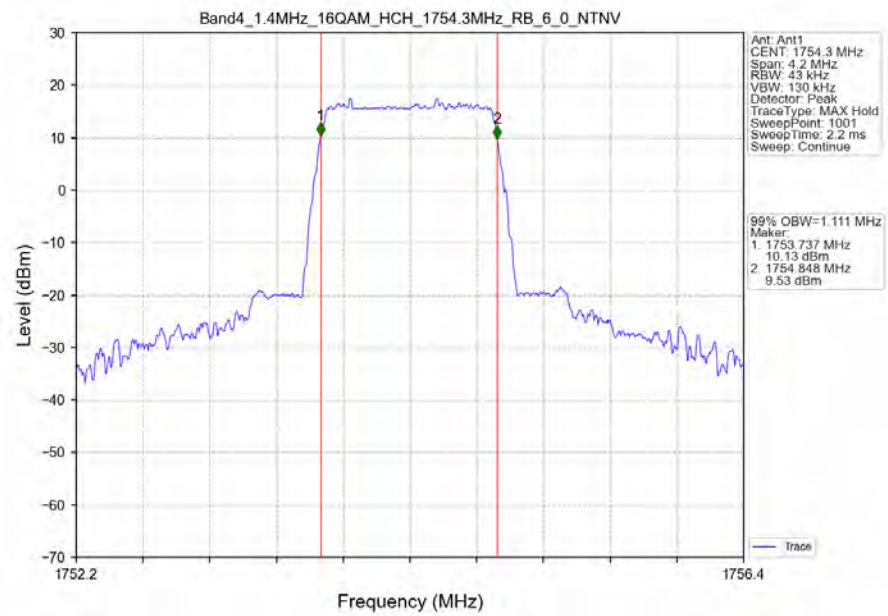
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



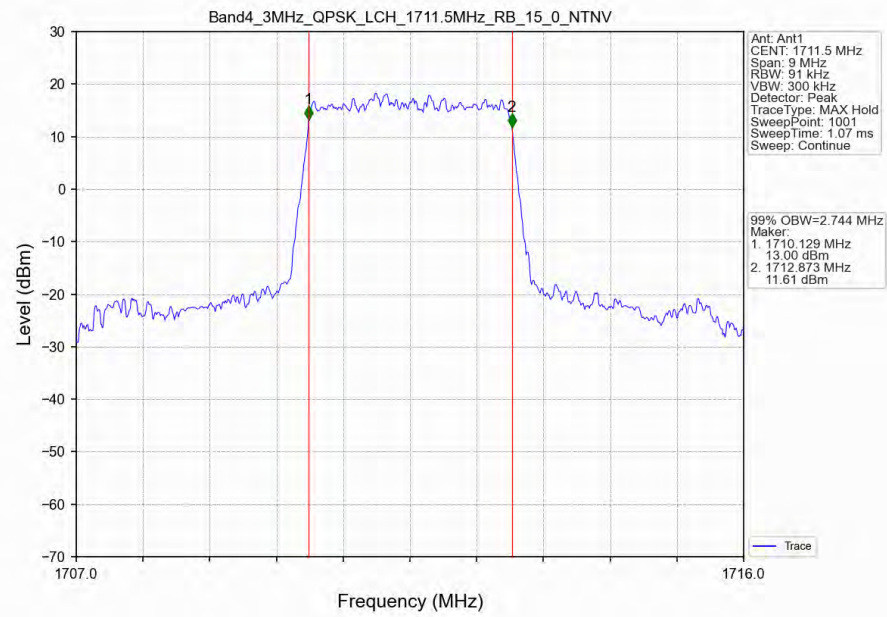
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



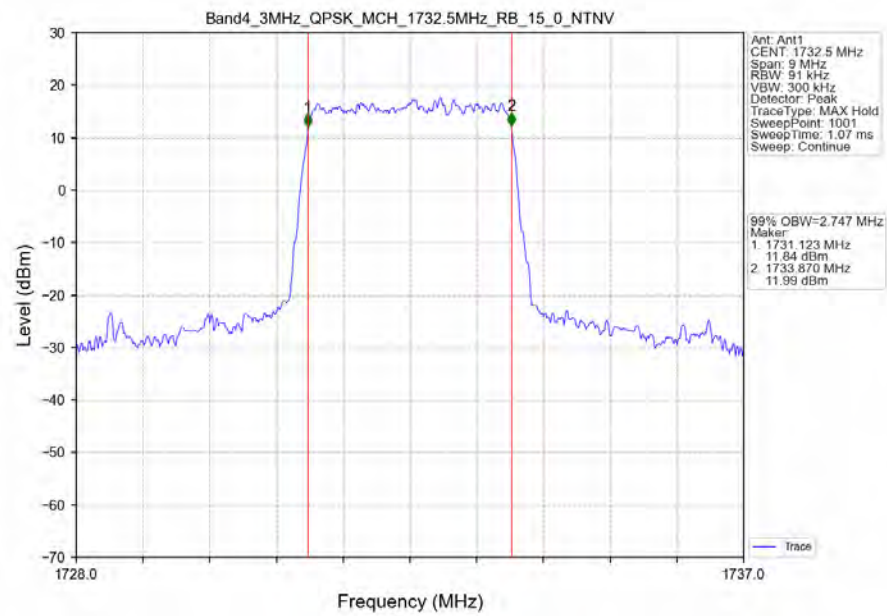
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



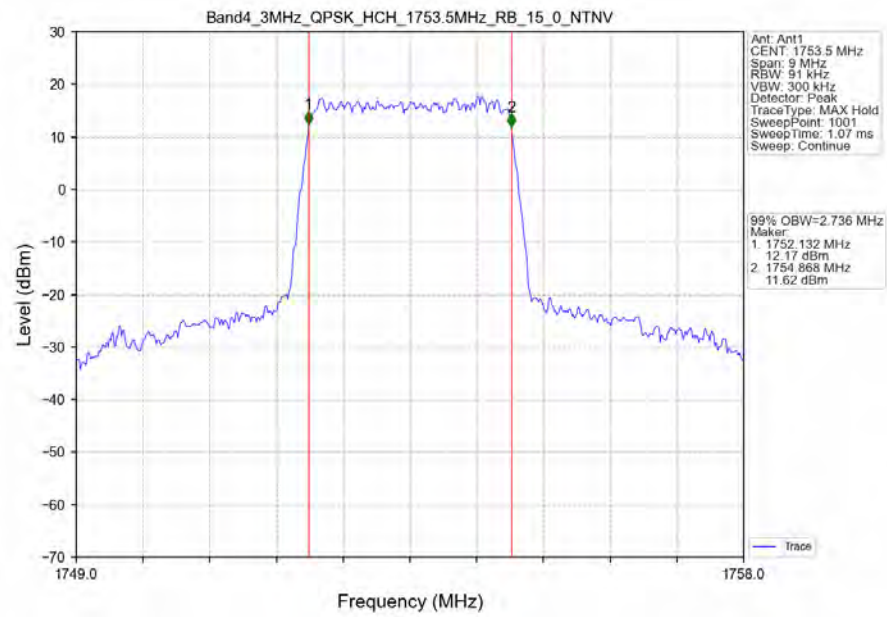
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



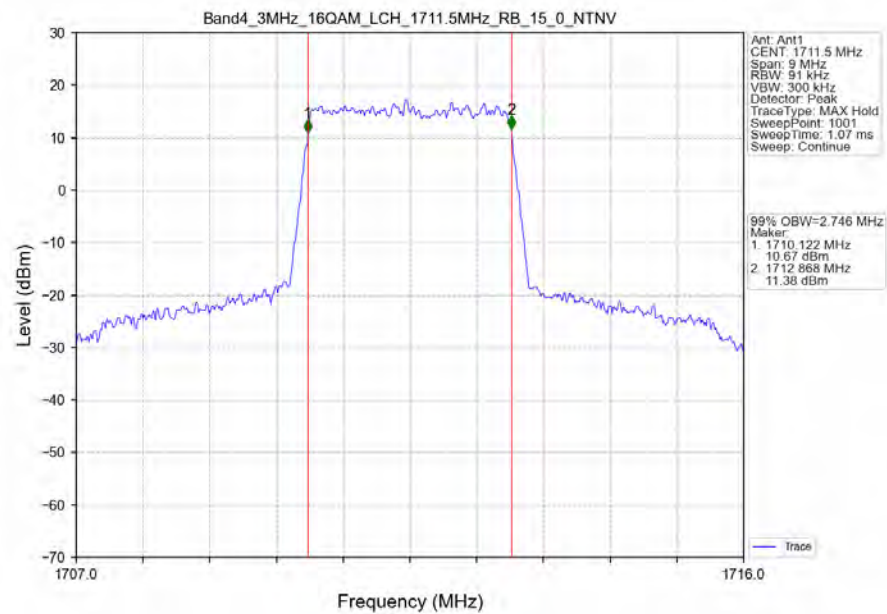
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



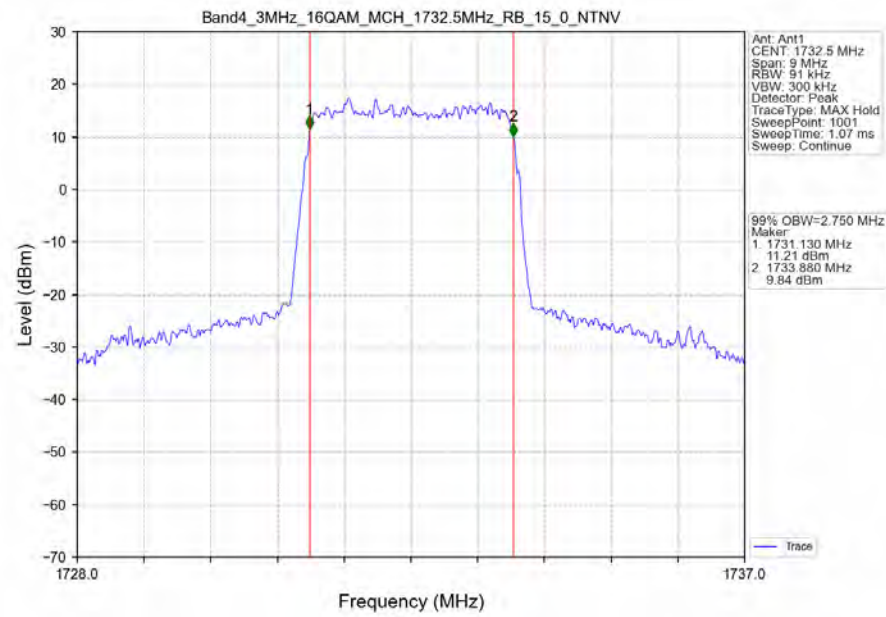
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



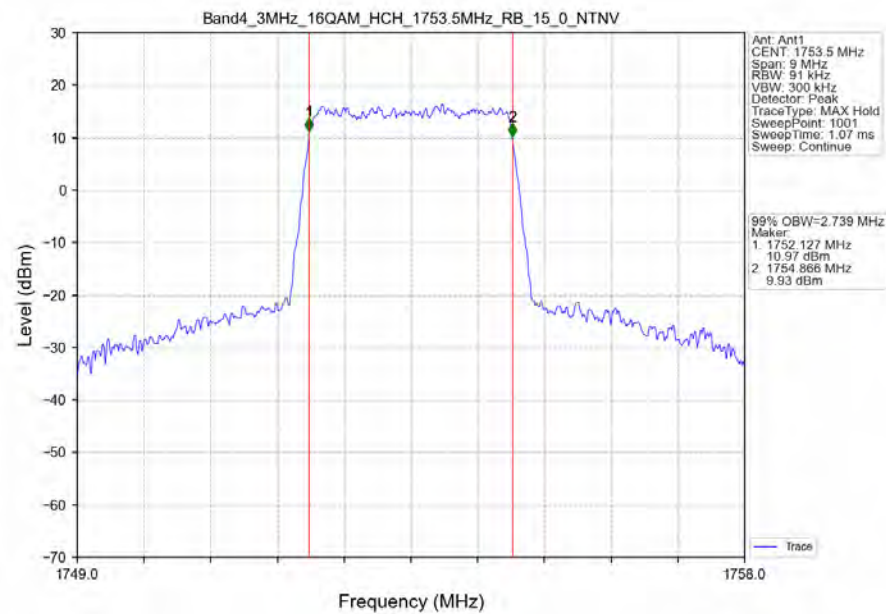
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



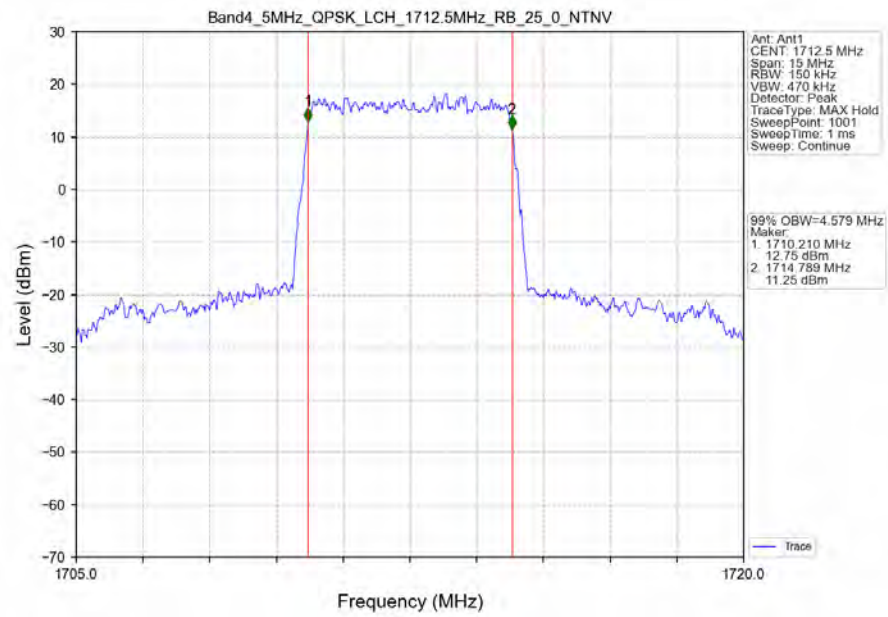
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



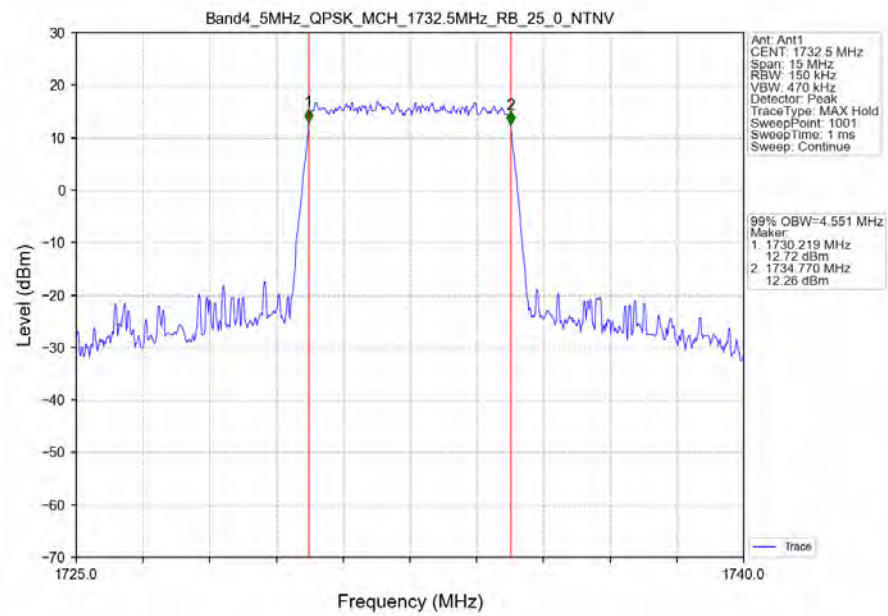
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



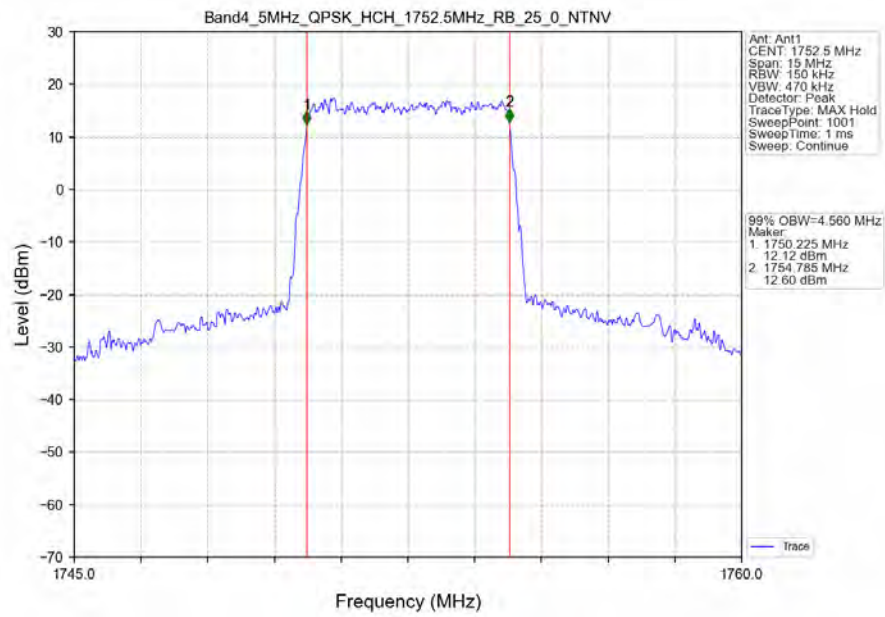
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



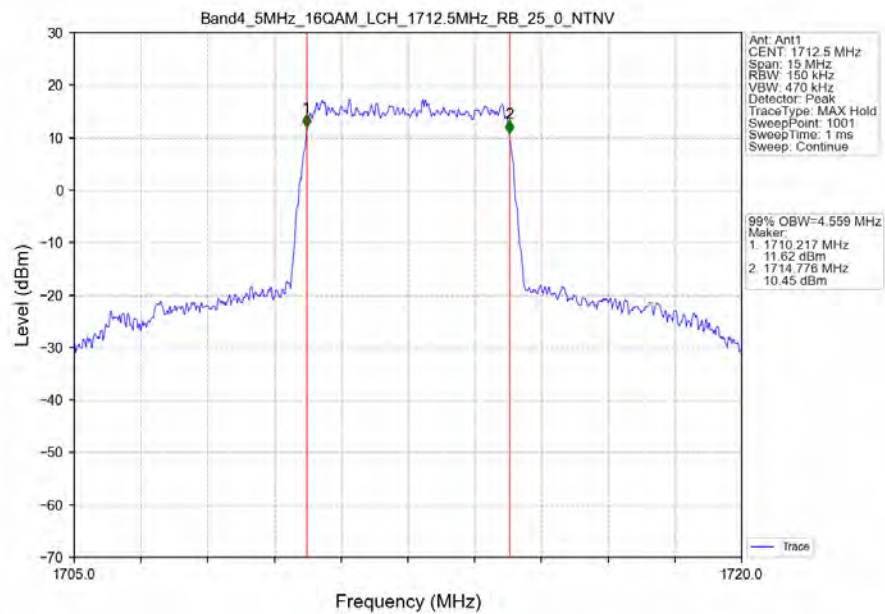
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



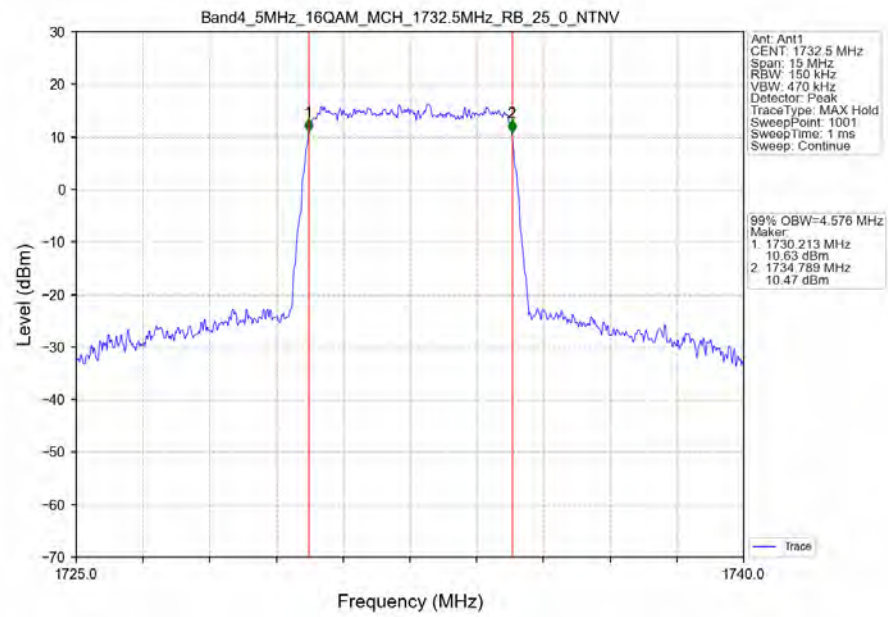
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



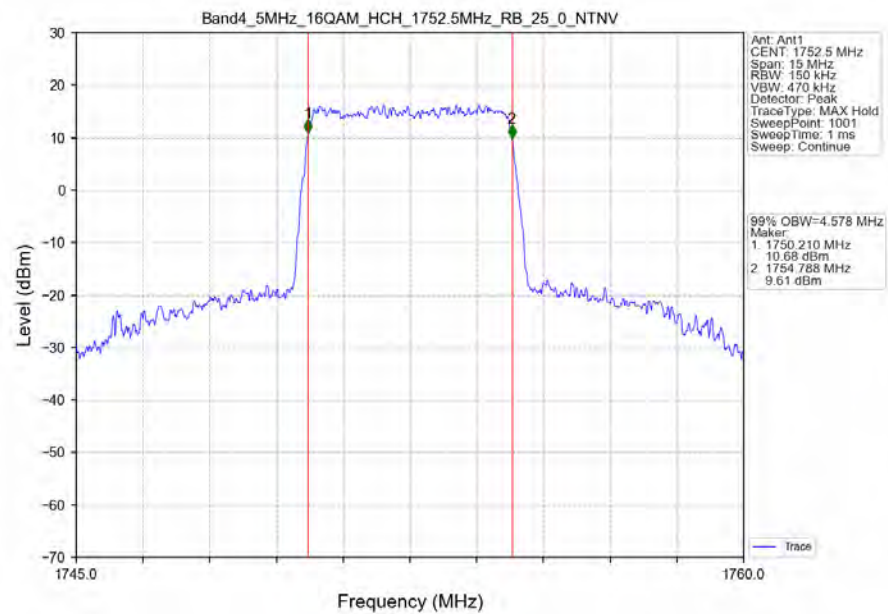
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



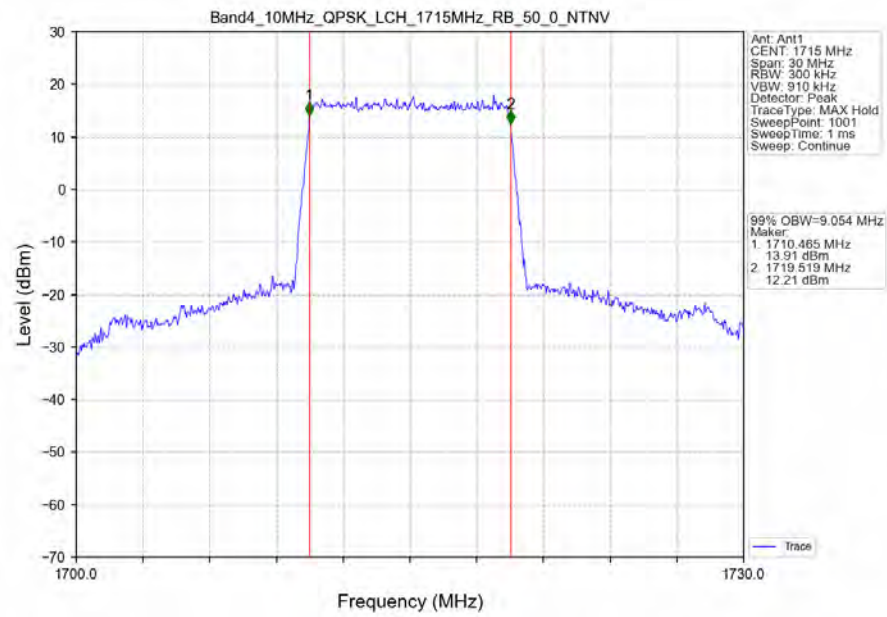
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



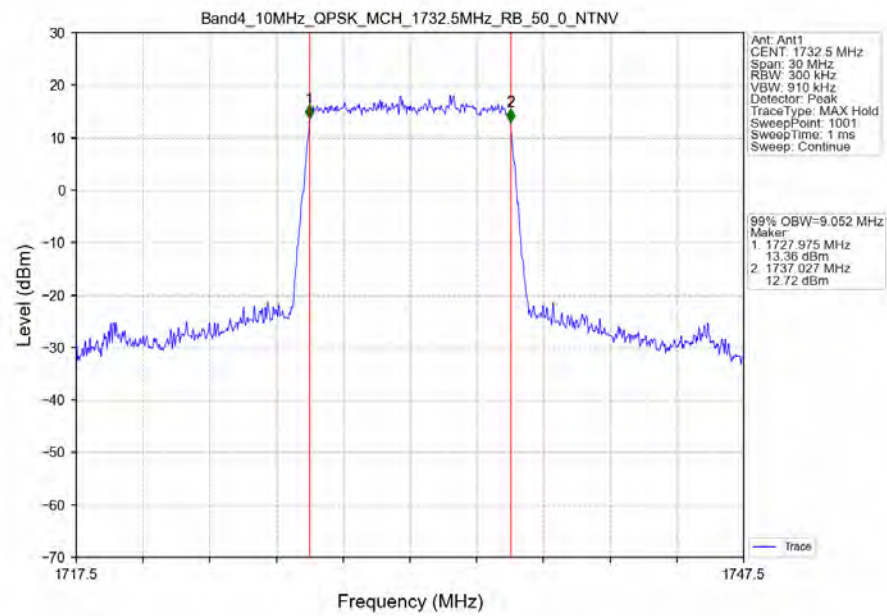
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



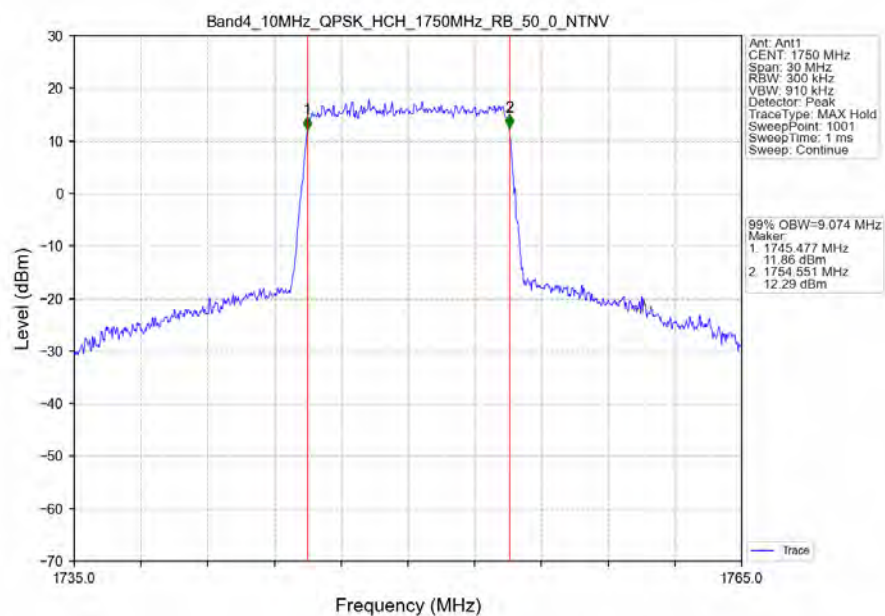
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



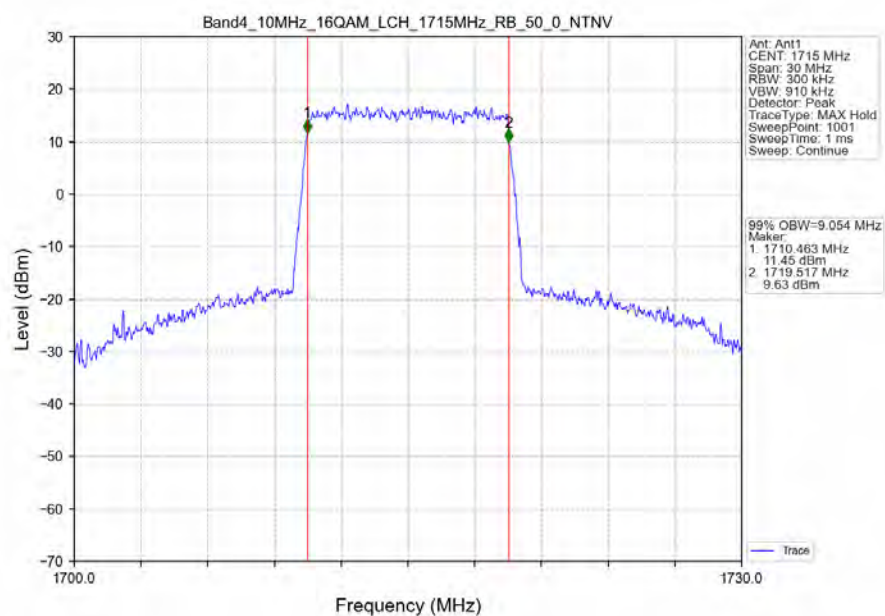
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



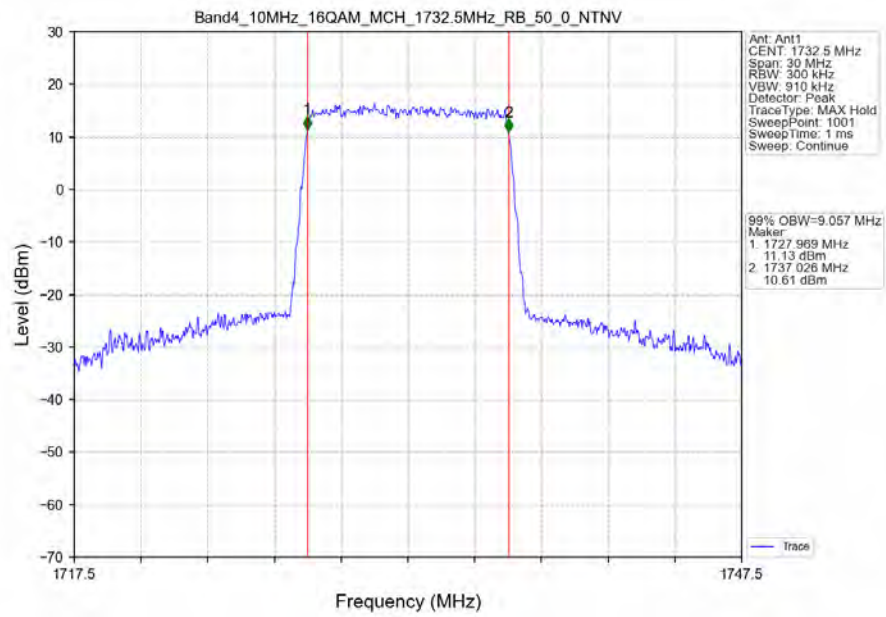
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



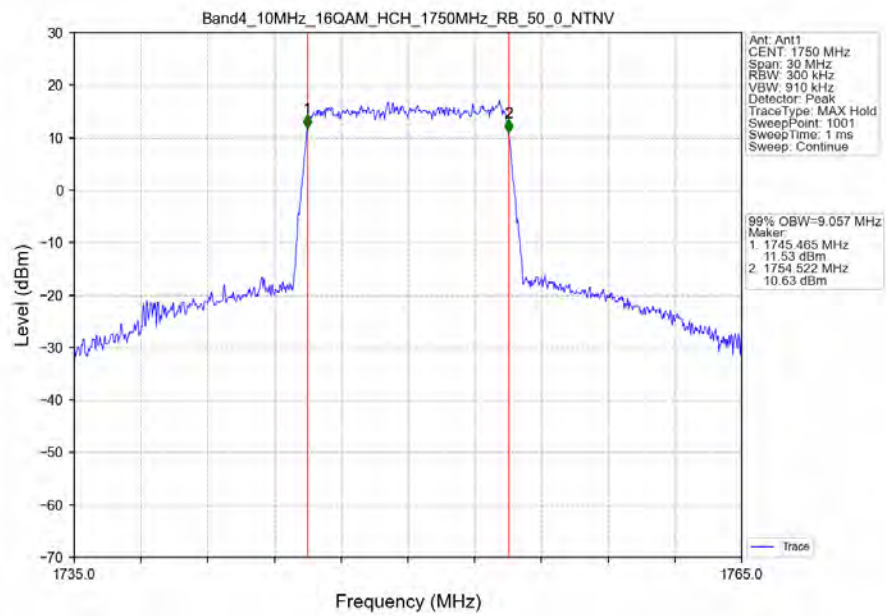
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



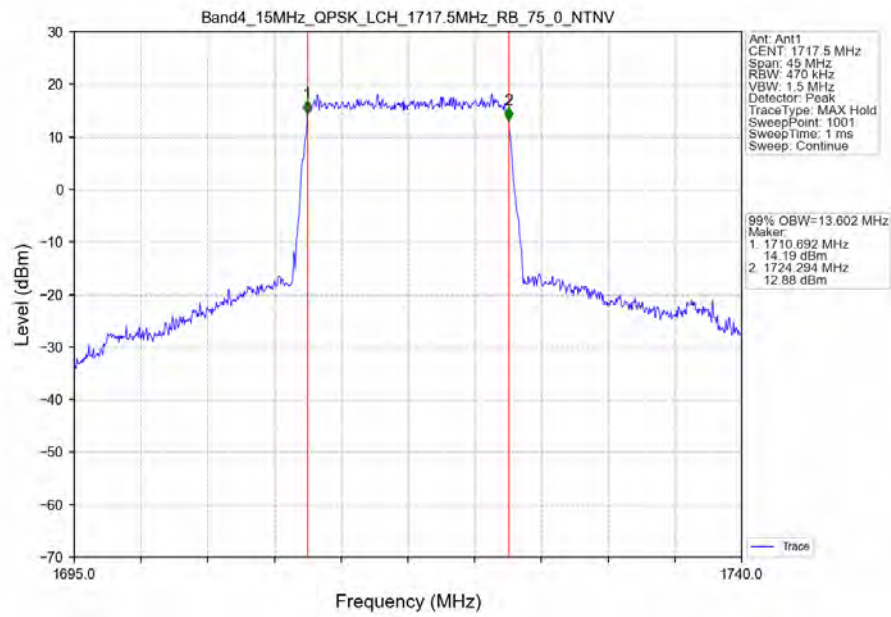
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



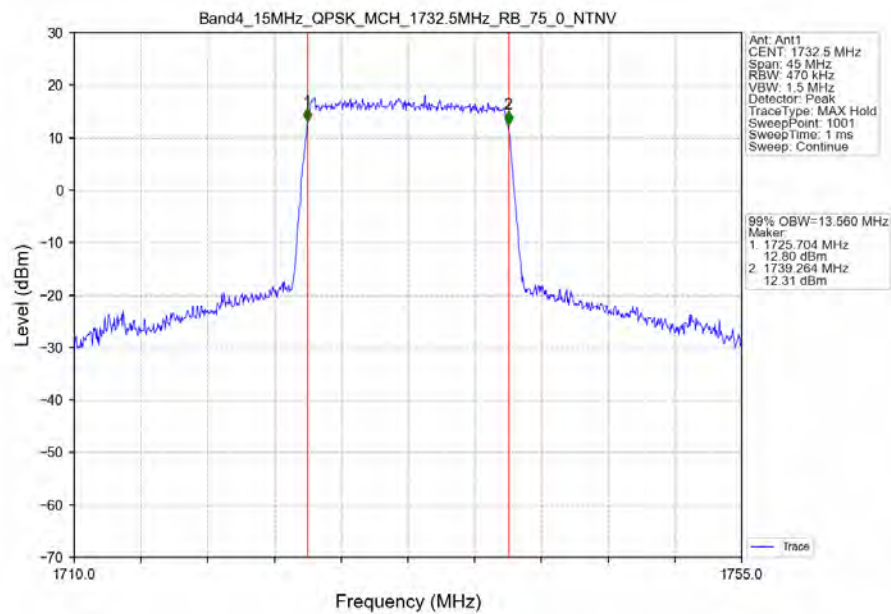
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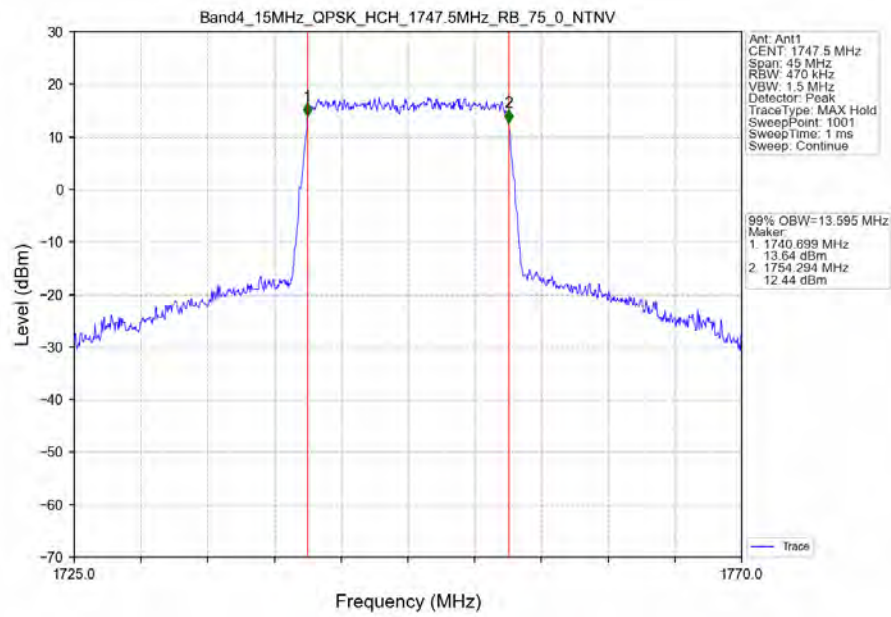
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



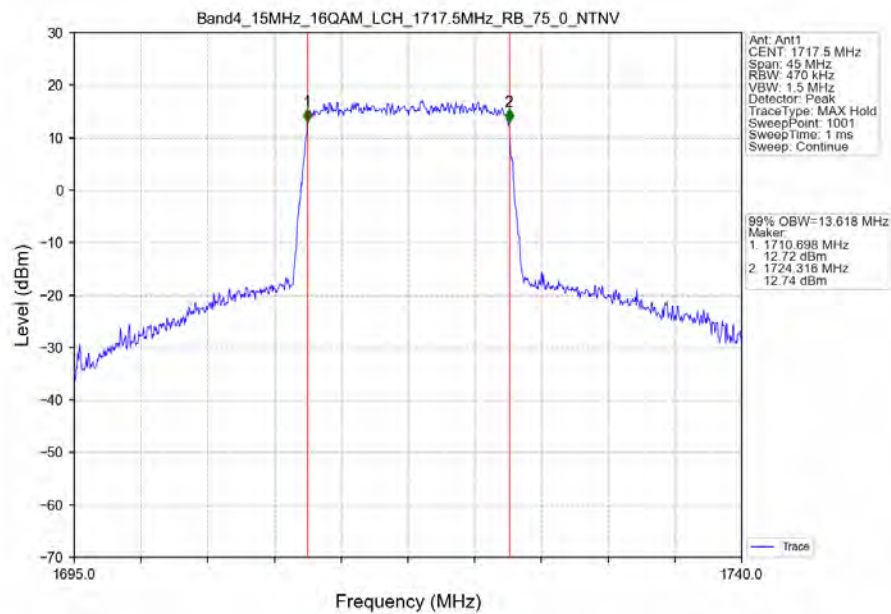
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



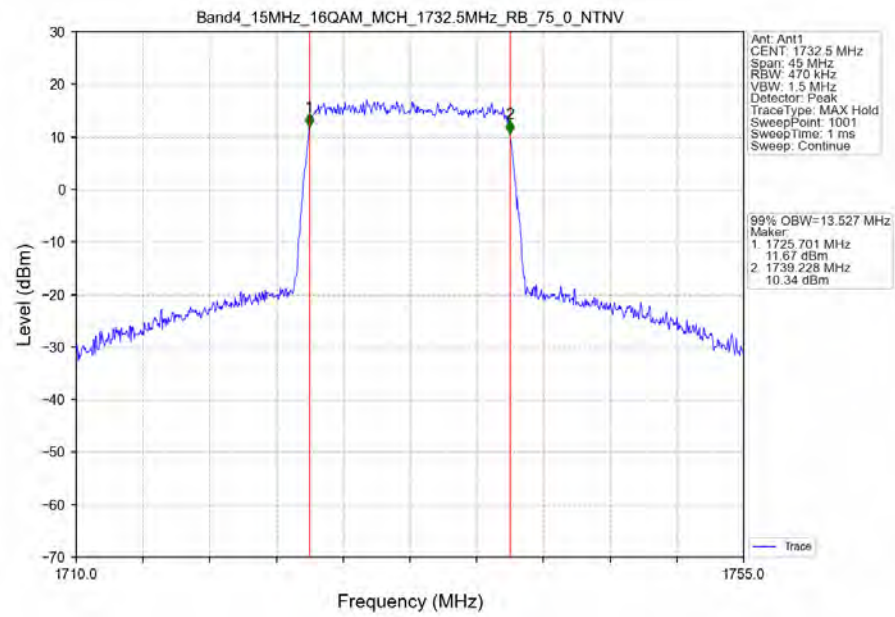
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



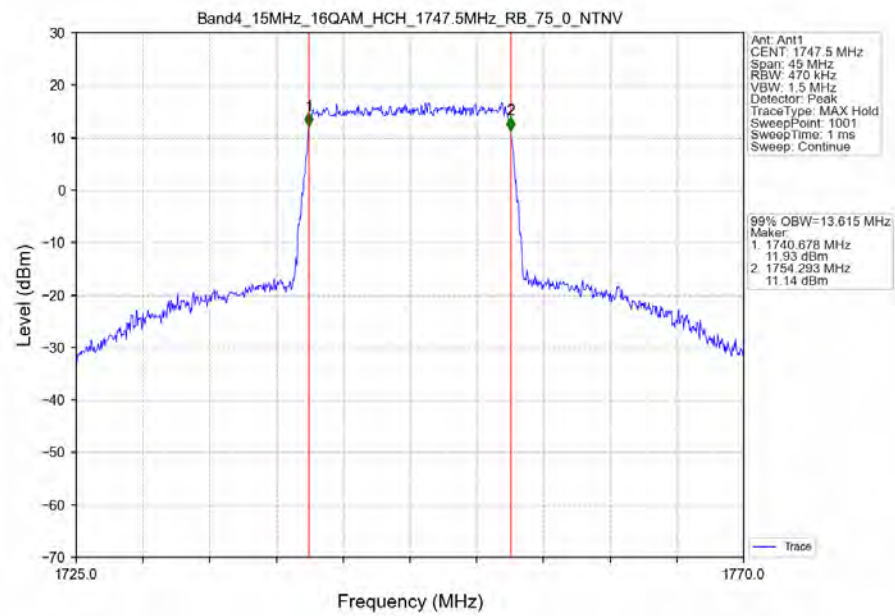
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



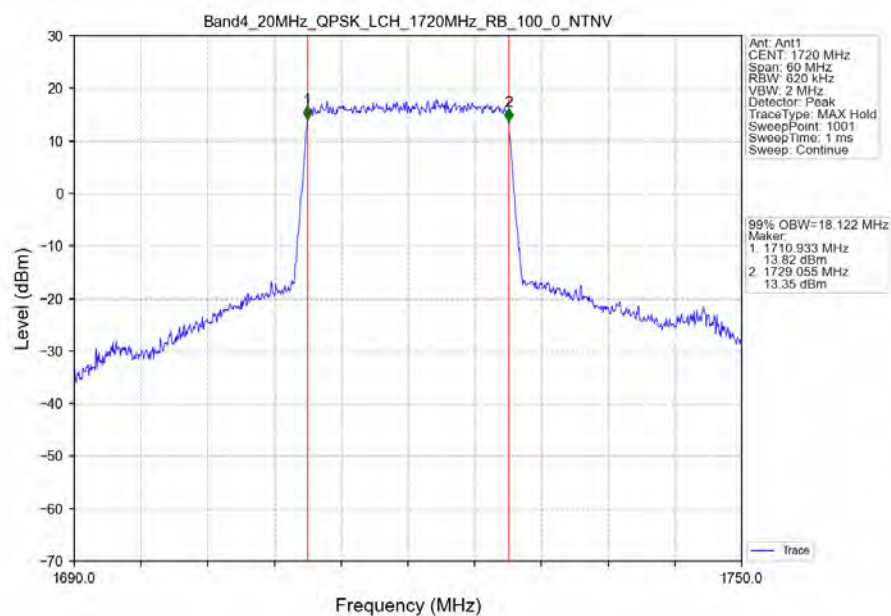
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



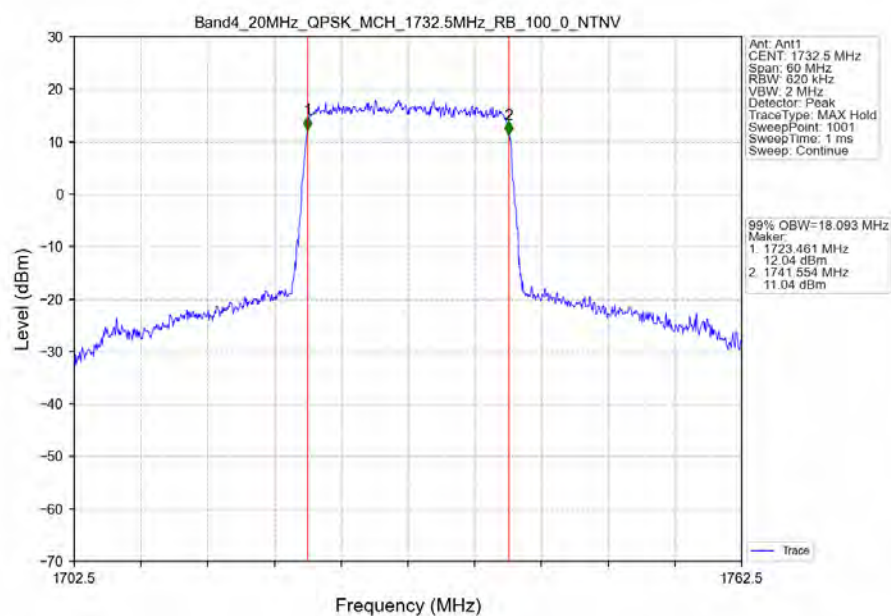
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



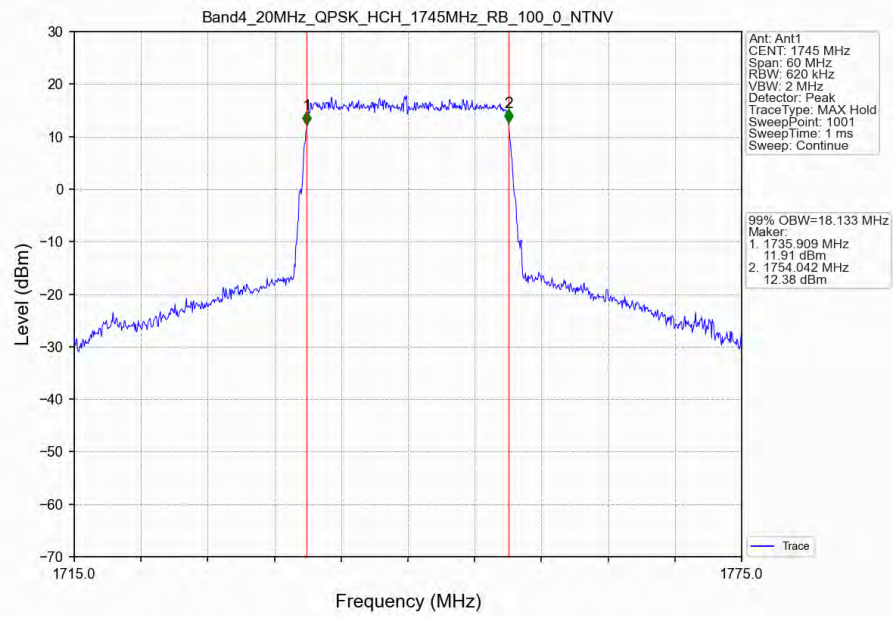
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



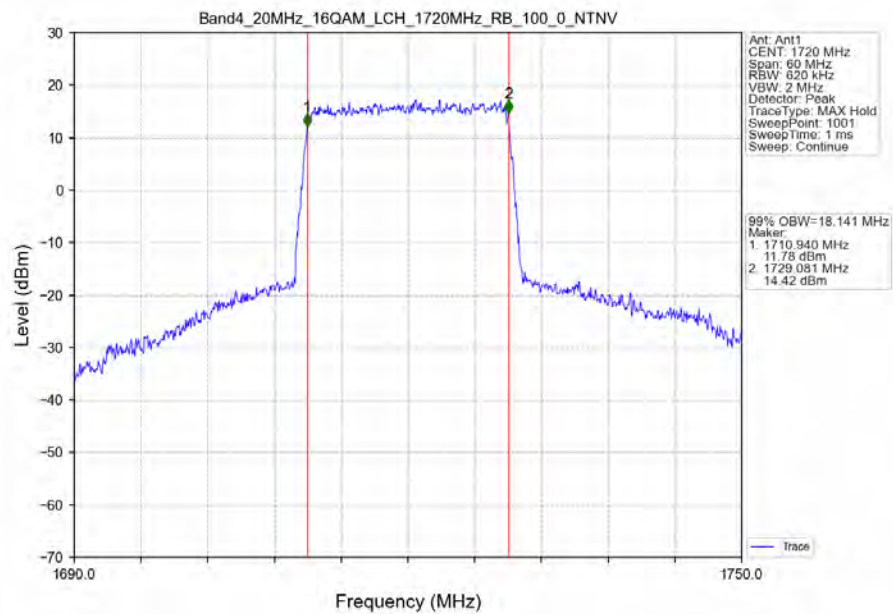
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



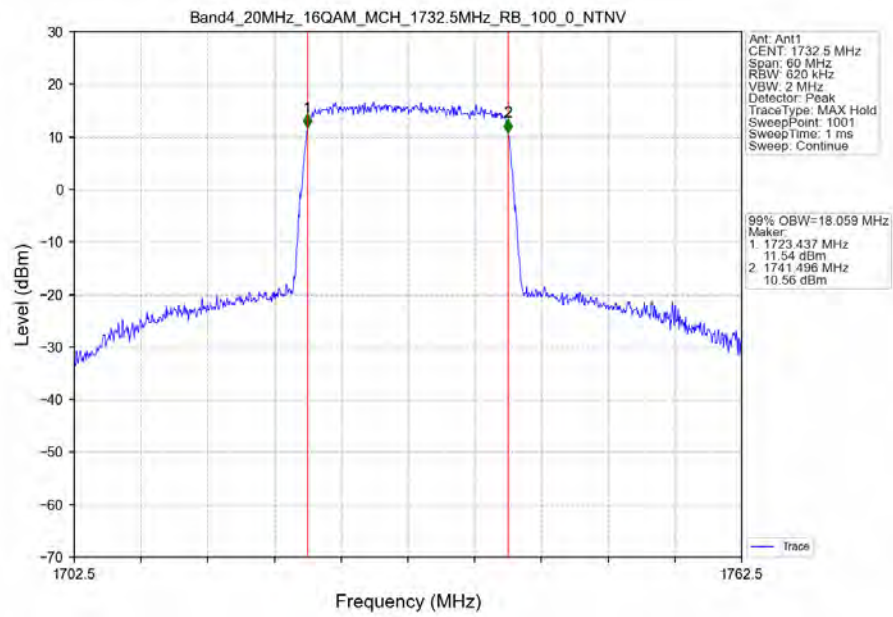
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



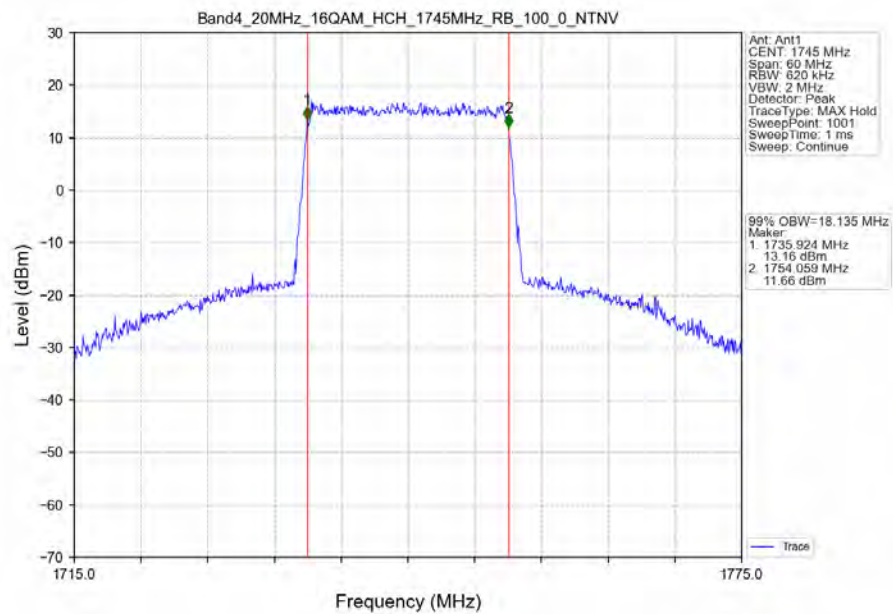
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



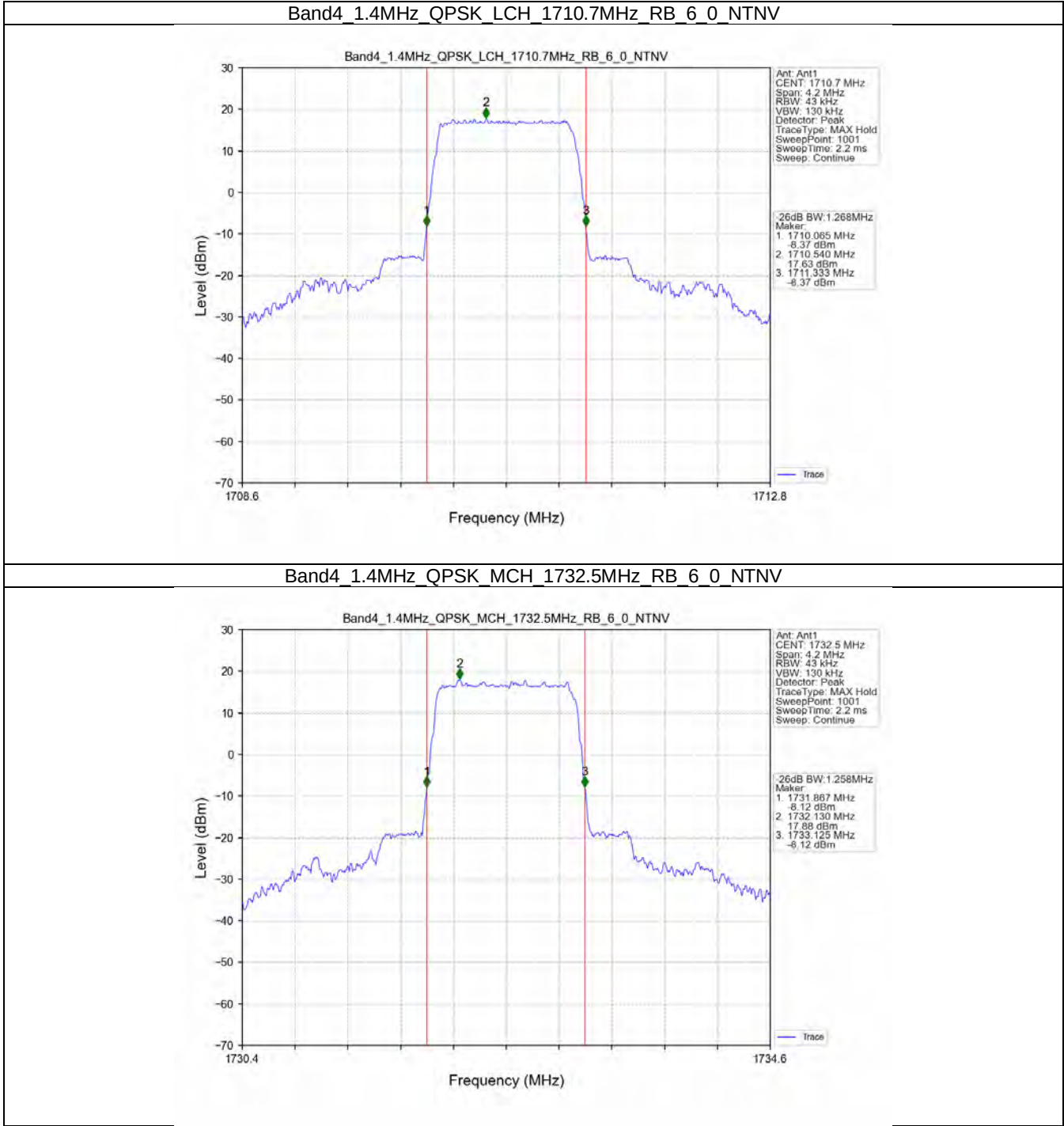
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



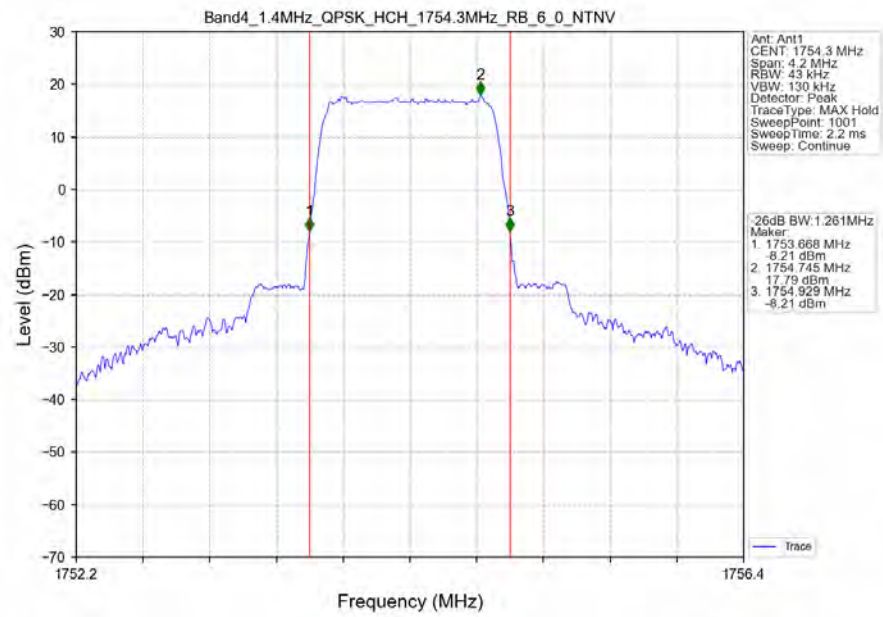
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



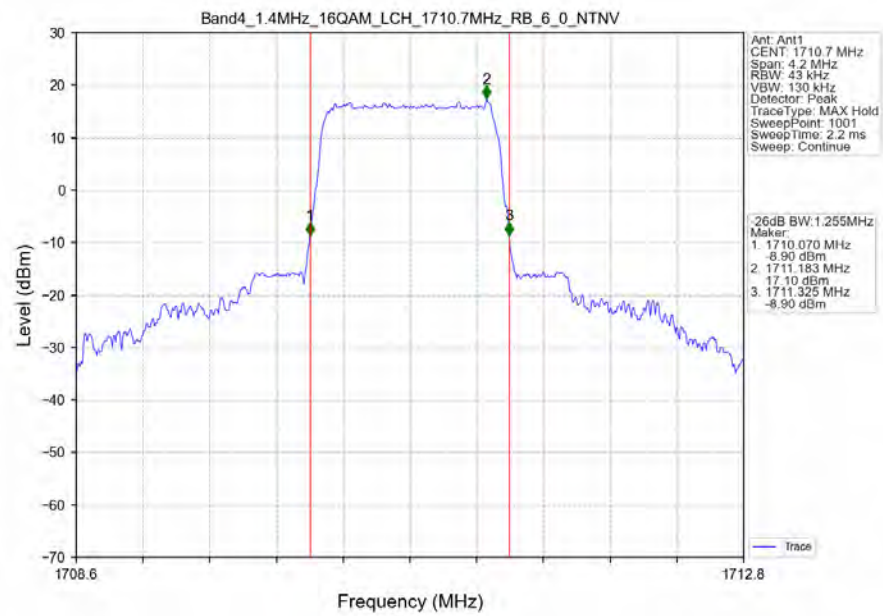
3.2.2 Band4_XDB



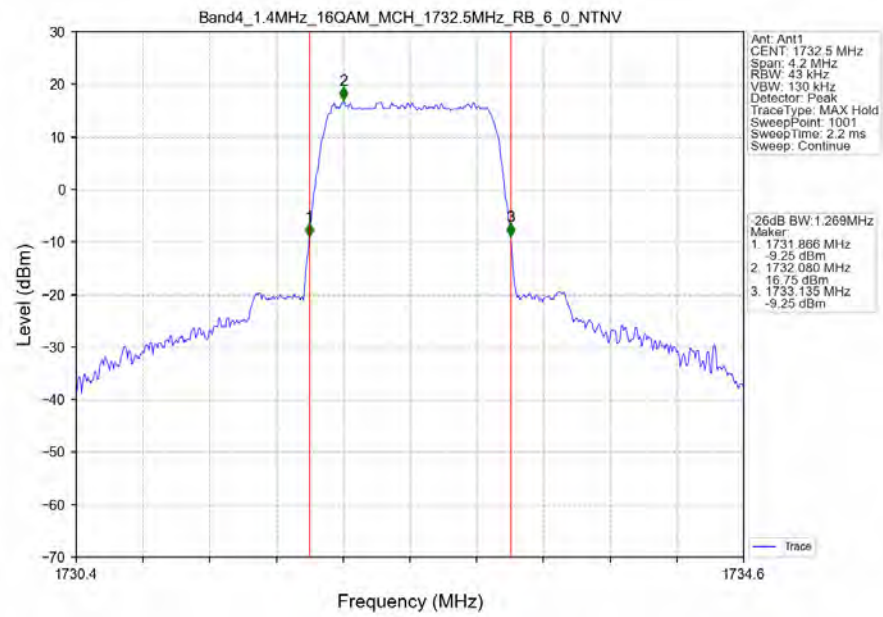
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



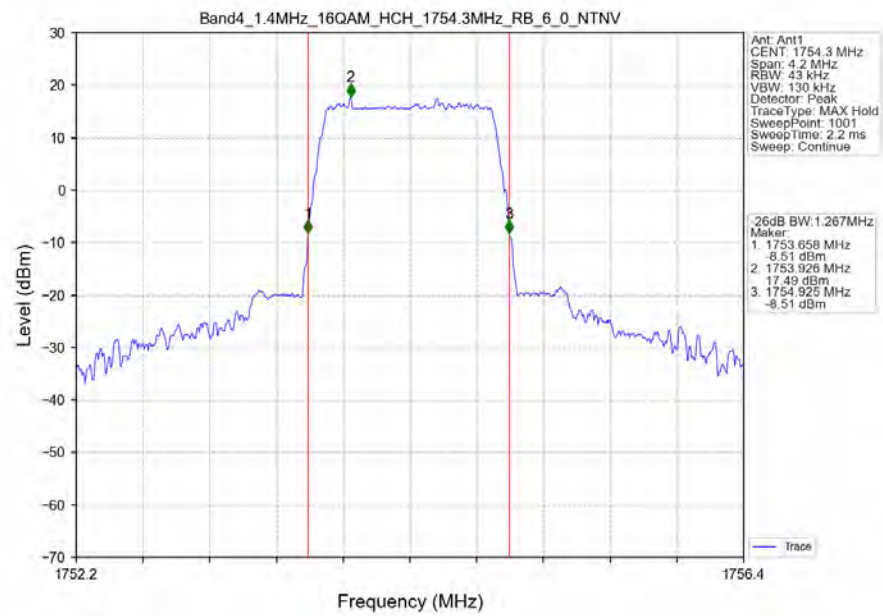
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



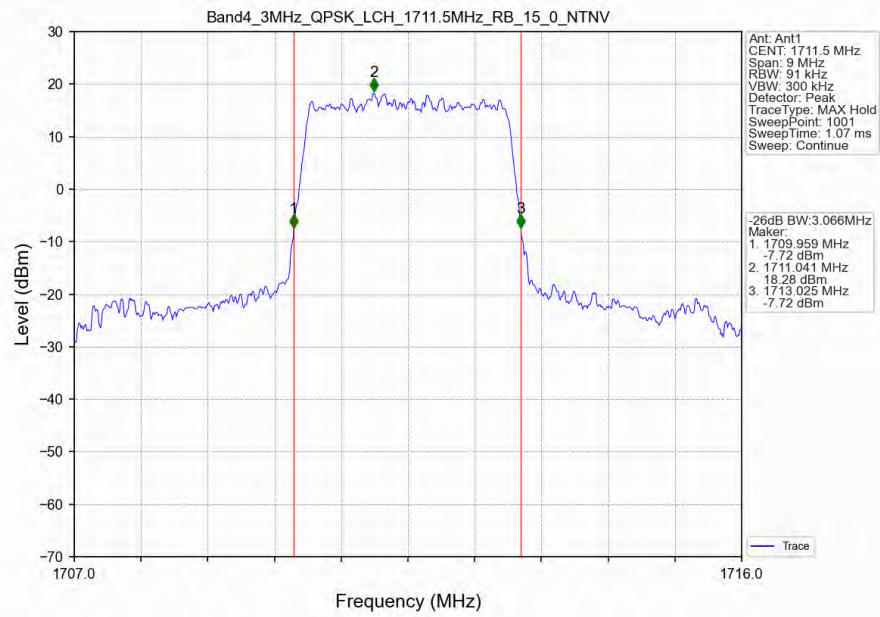
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



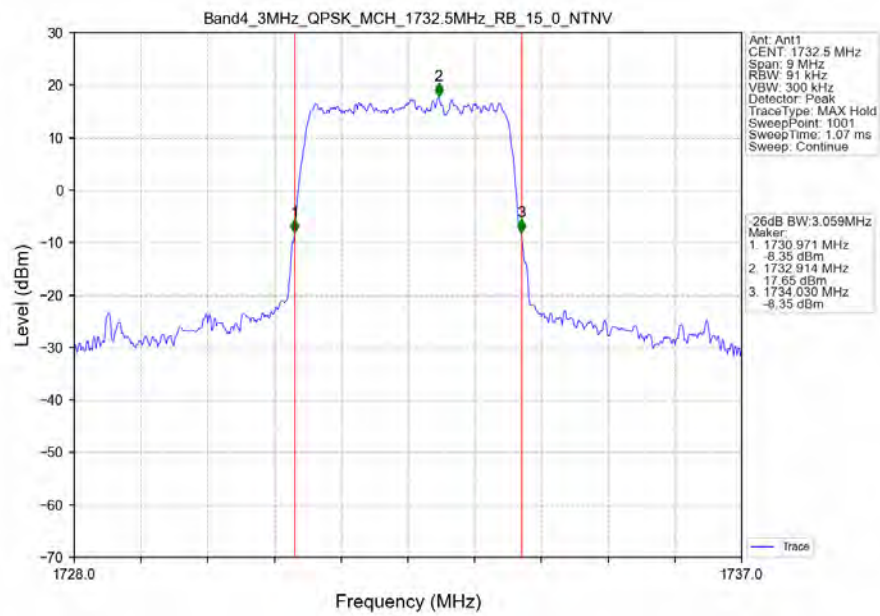
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



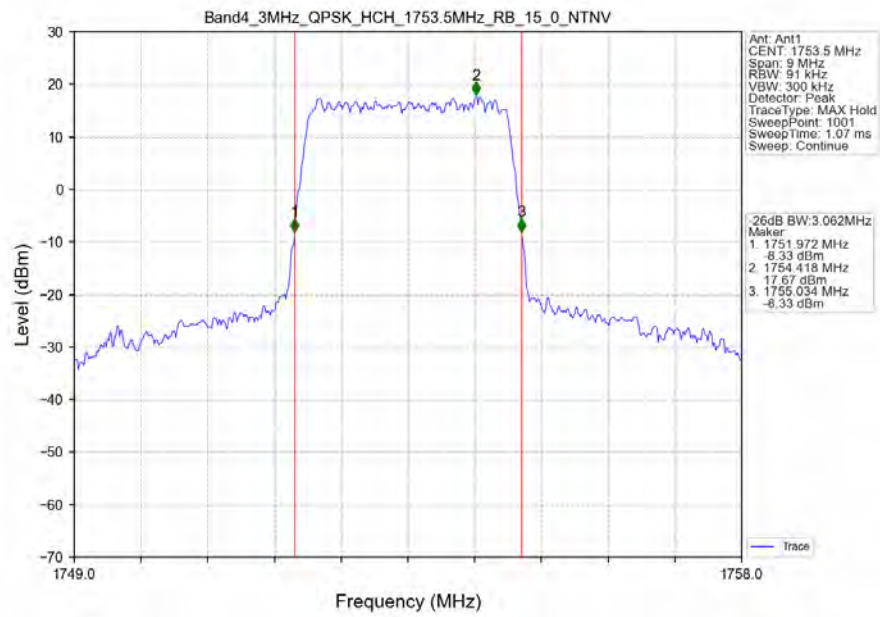
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



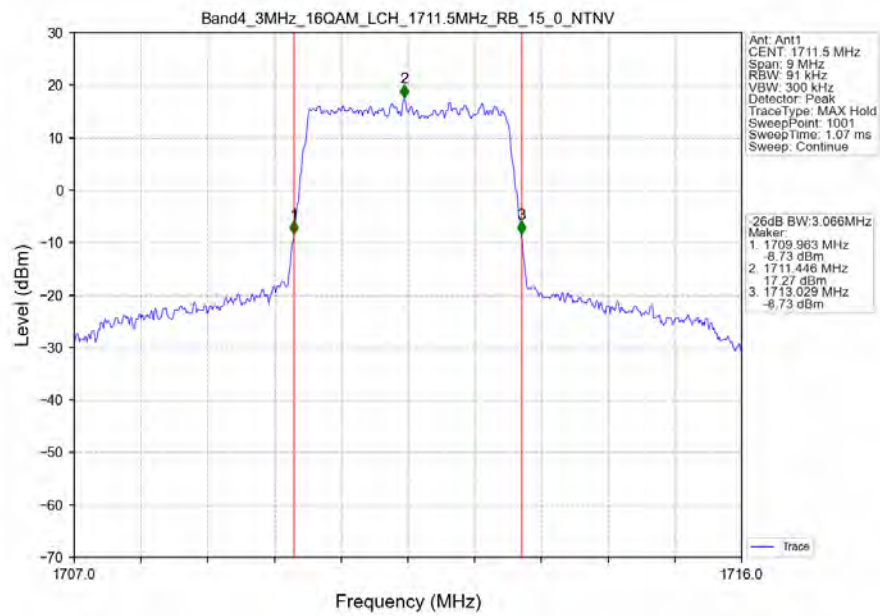
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



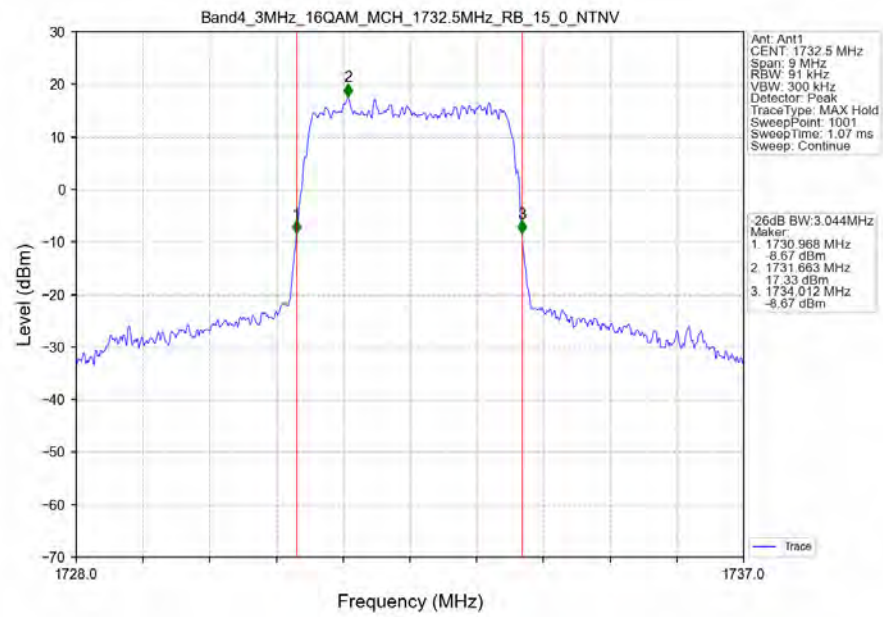
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



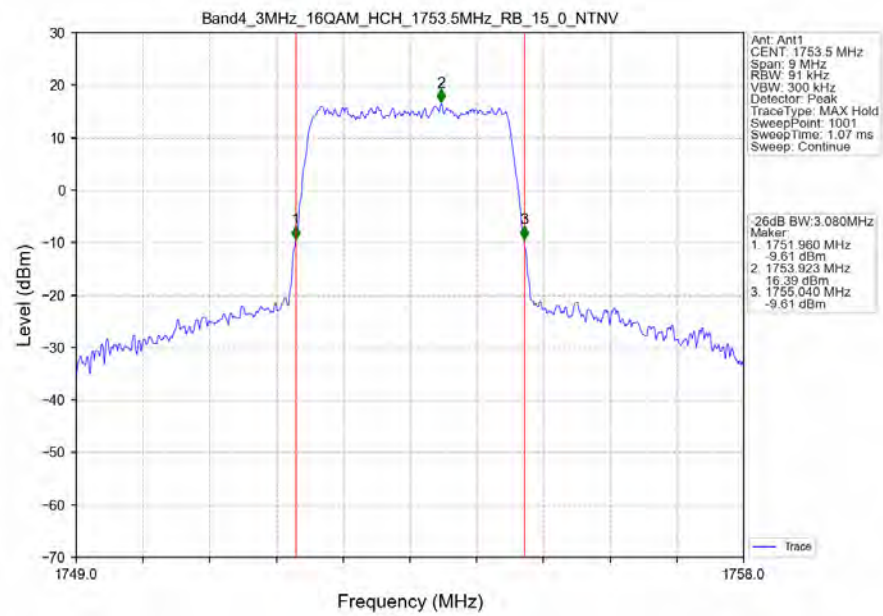
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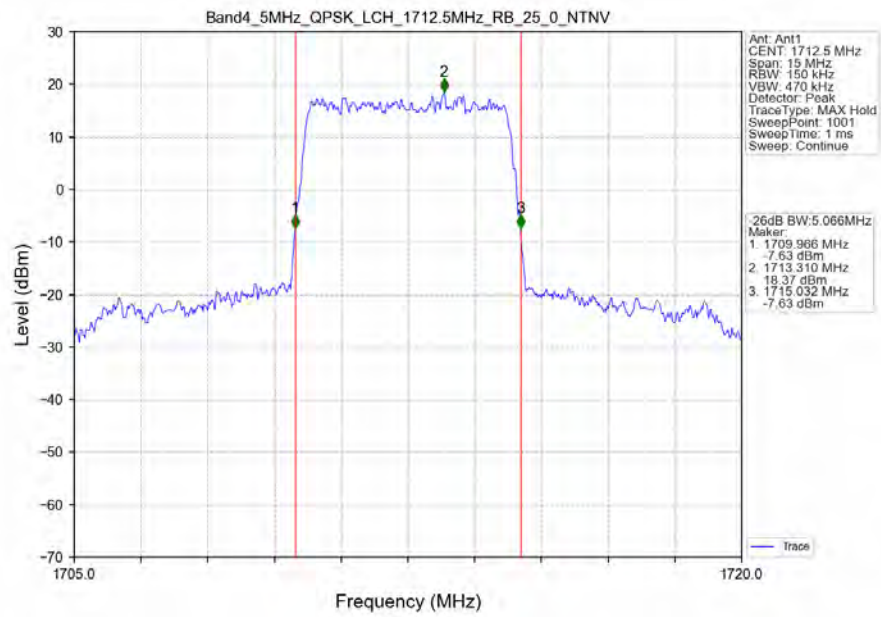
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



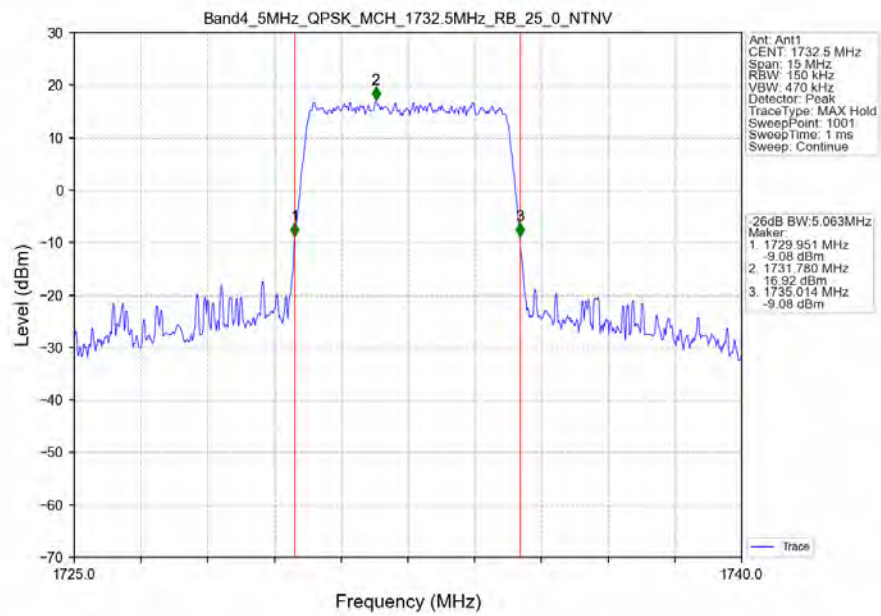
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



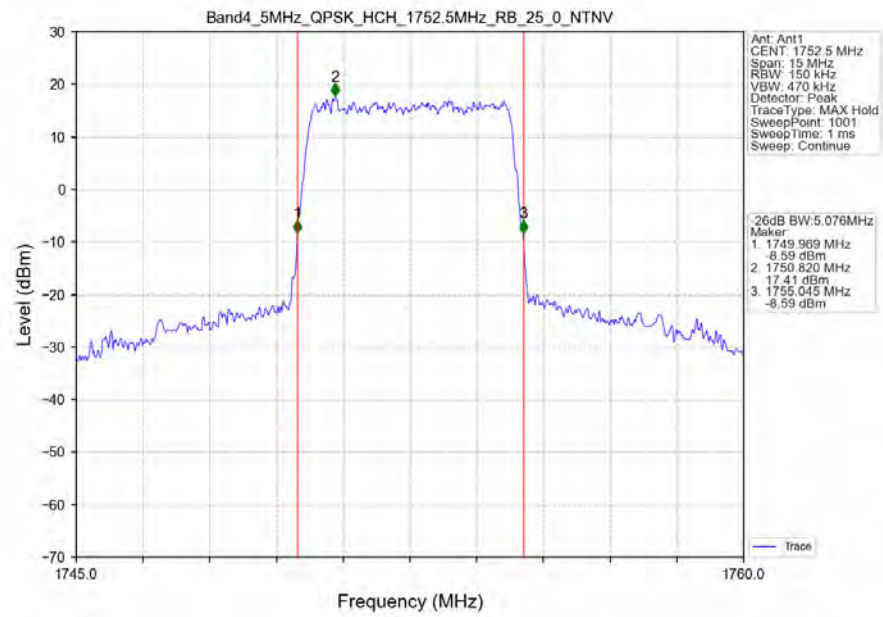
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



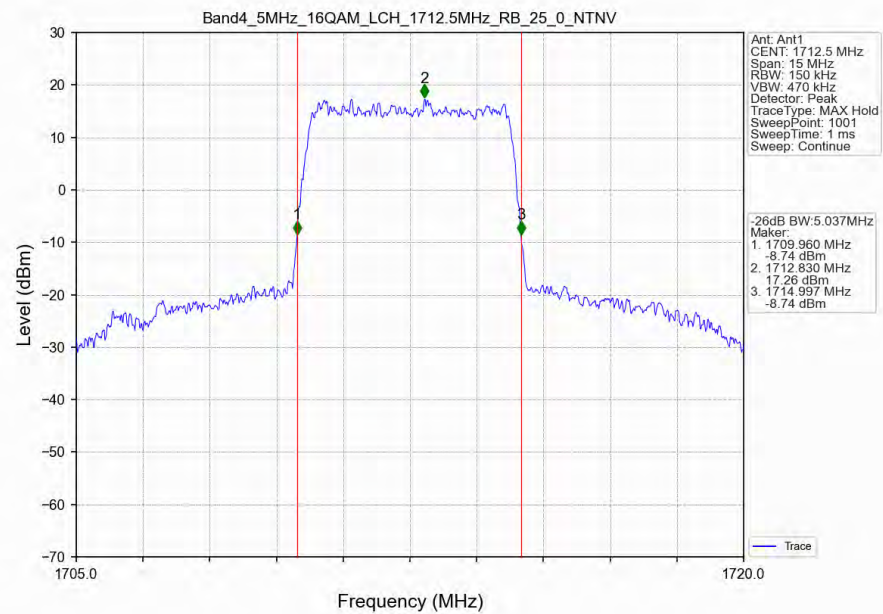
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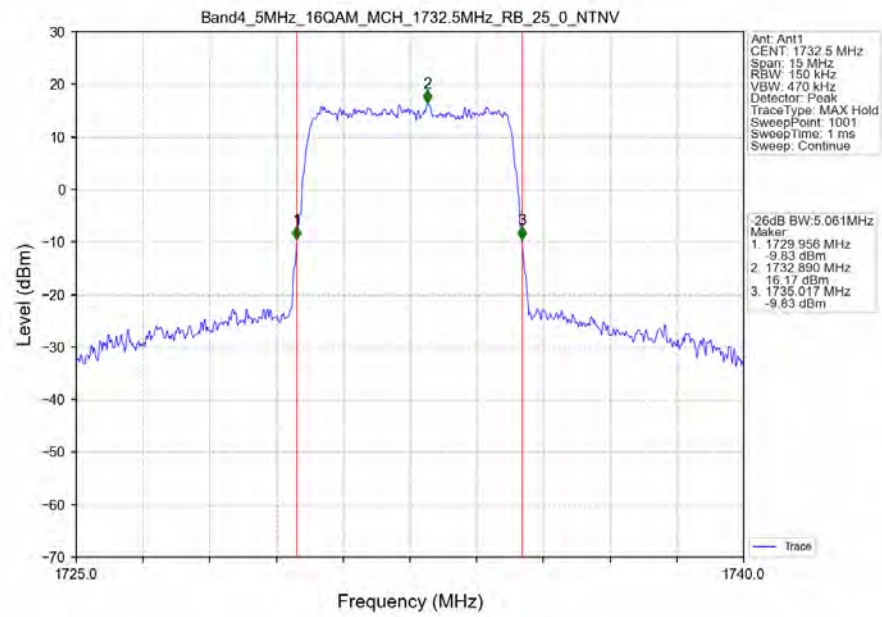
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



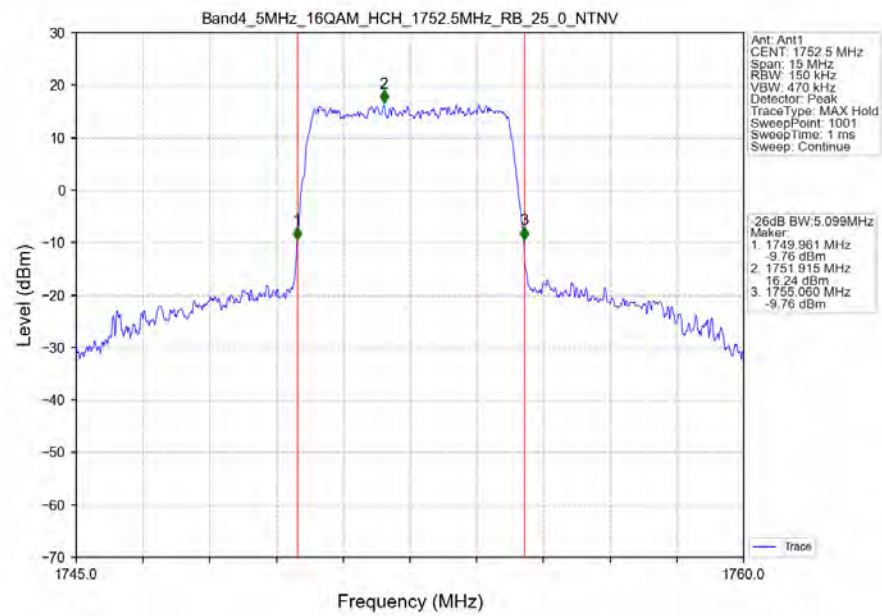
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



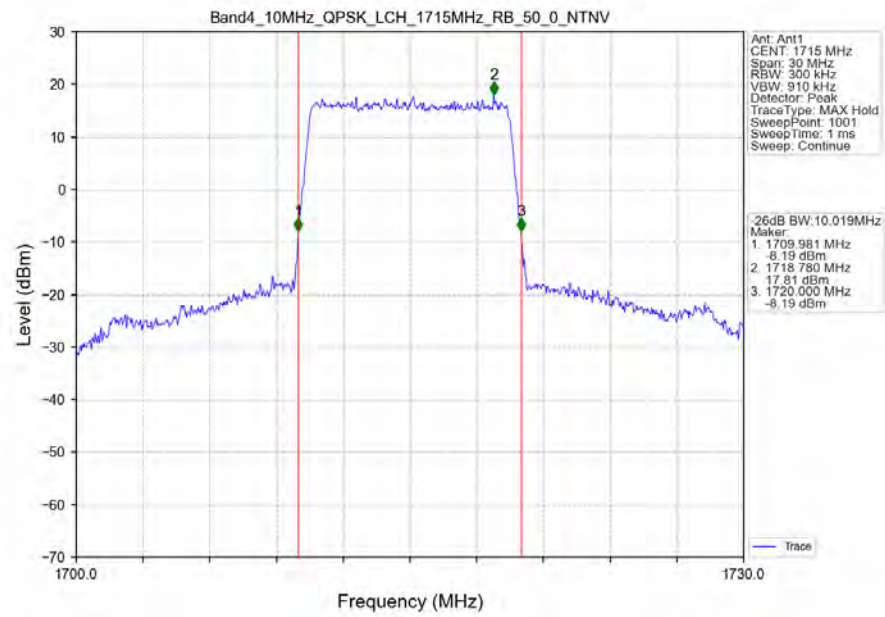
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



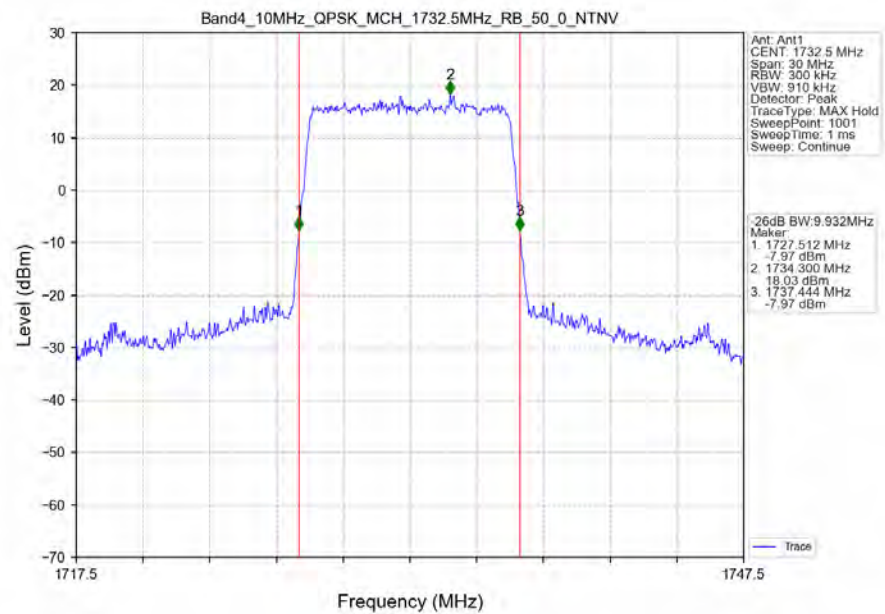
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



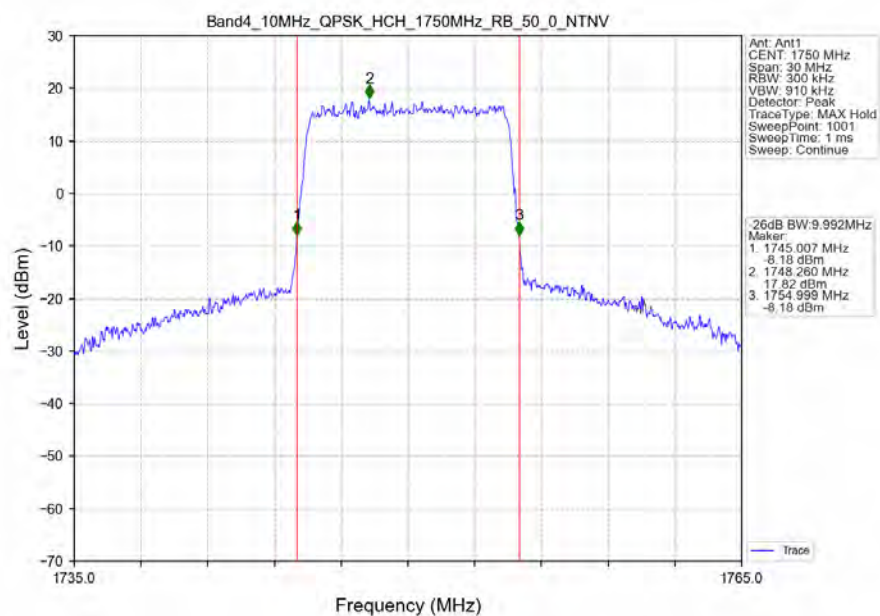
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



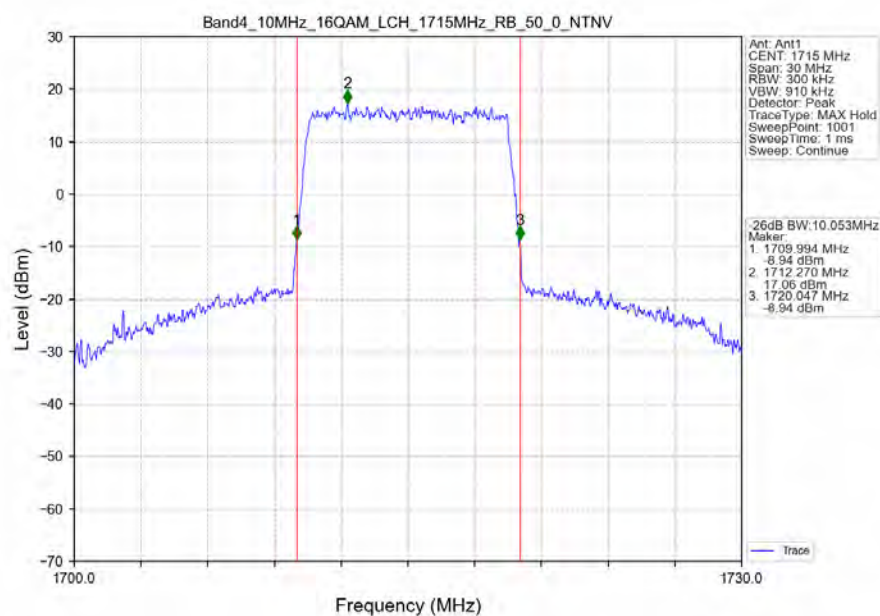
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



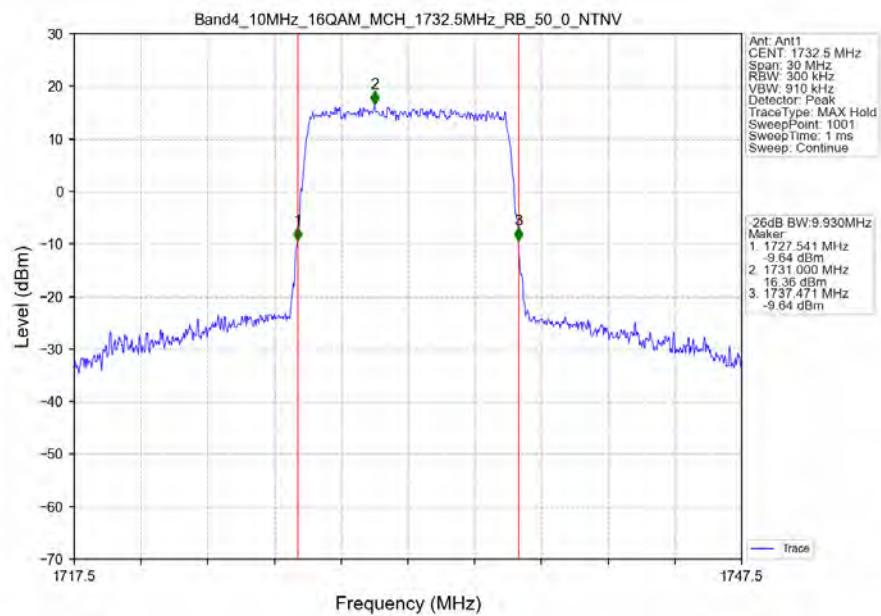
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



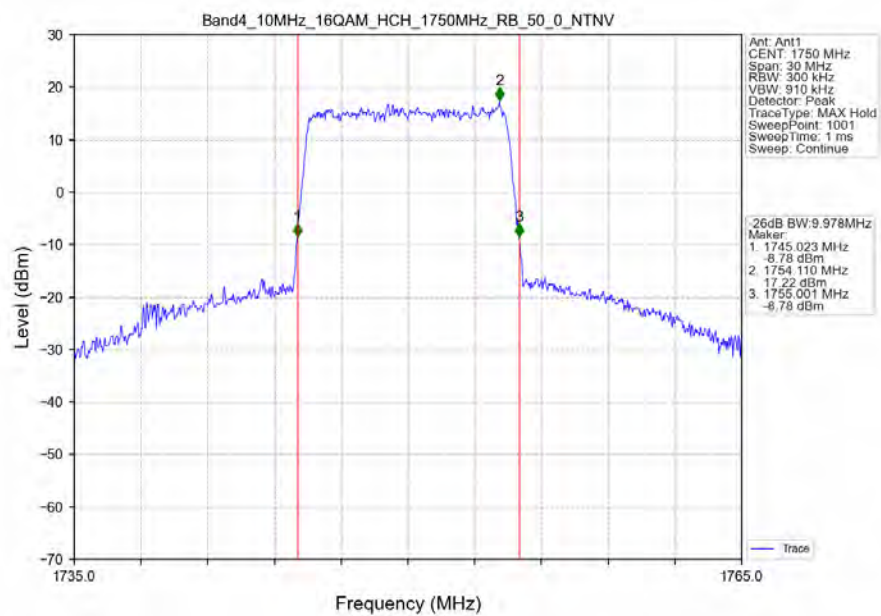
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



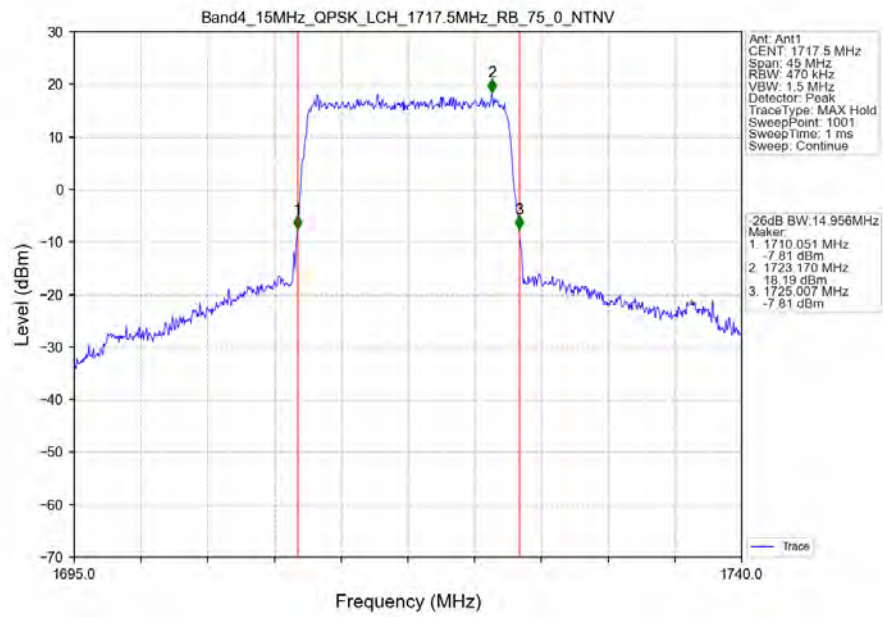
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



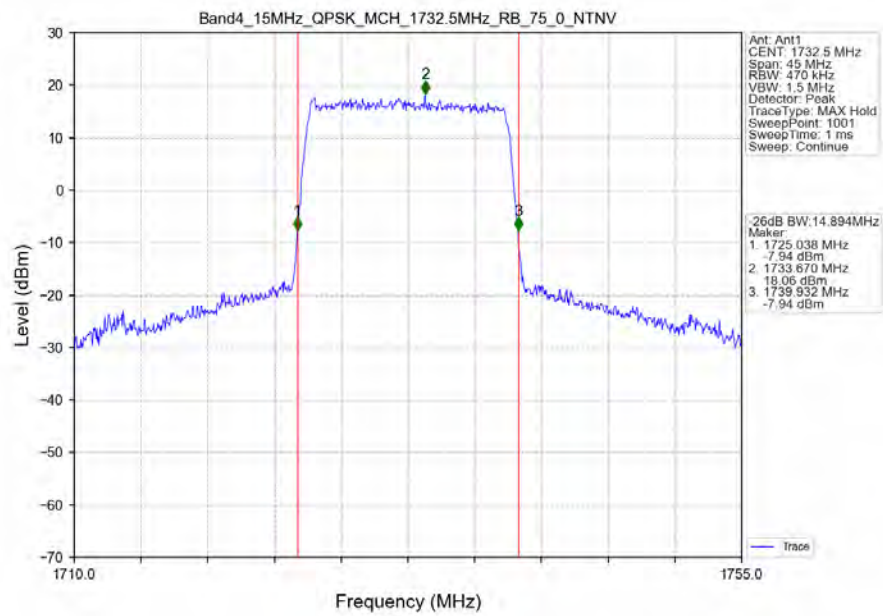
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



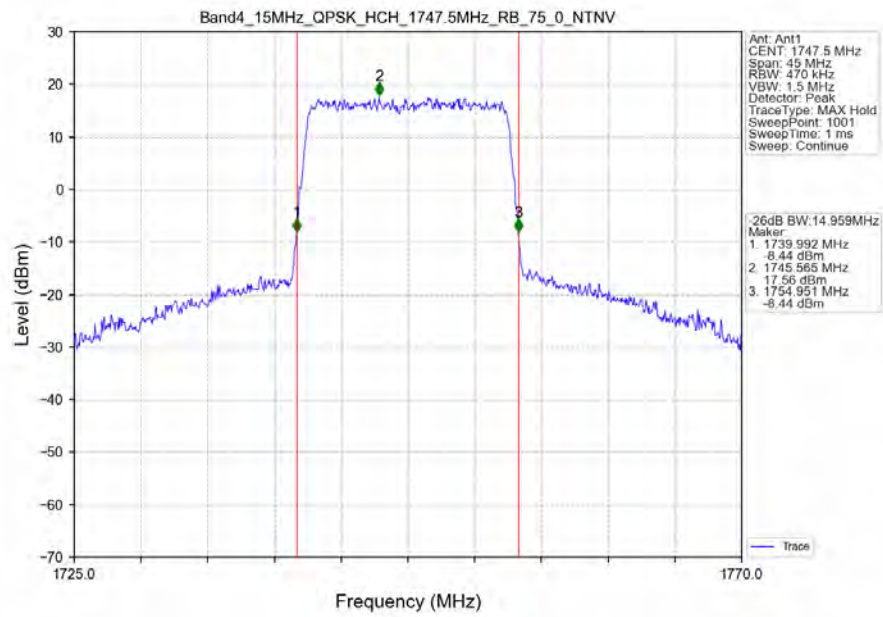
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



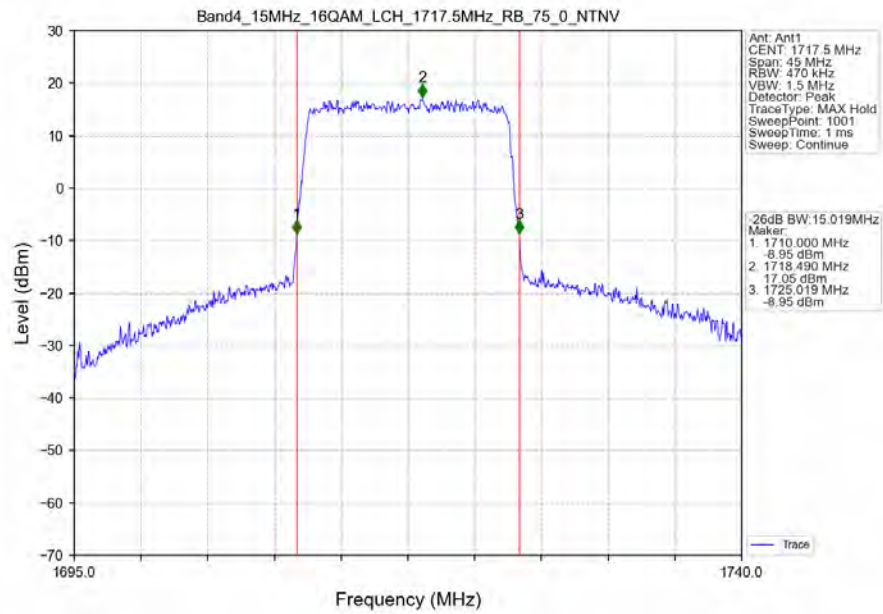
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



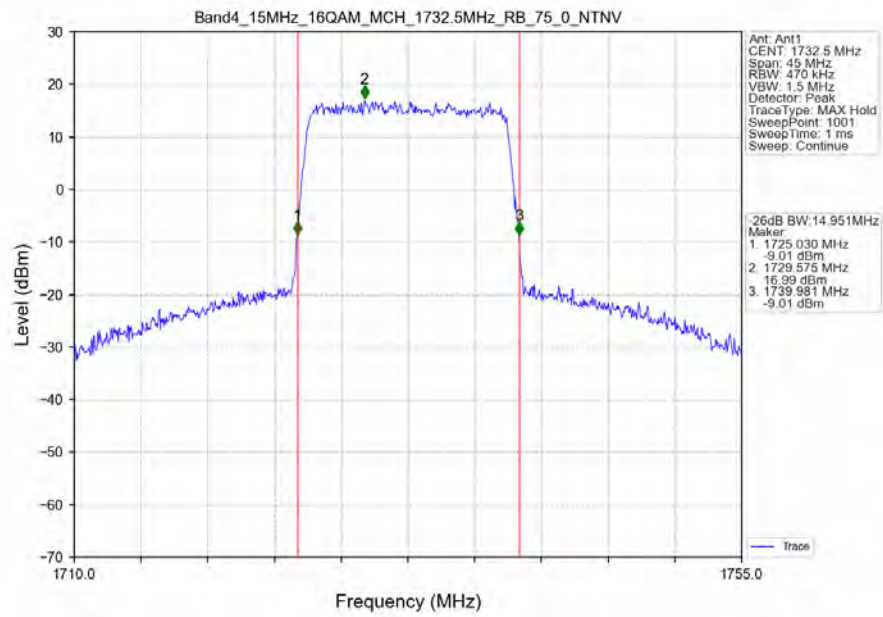
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



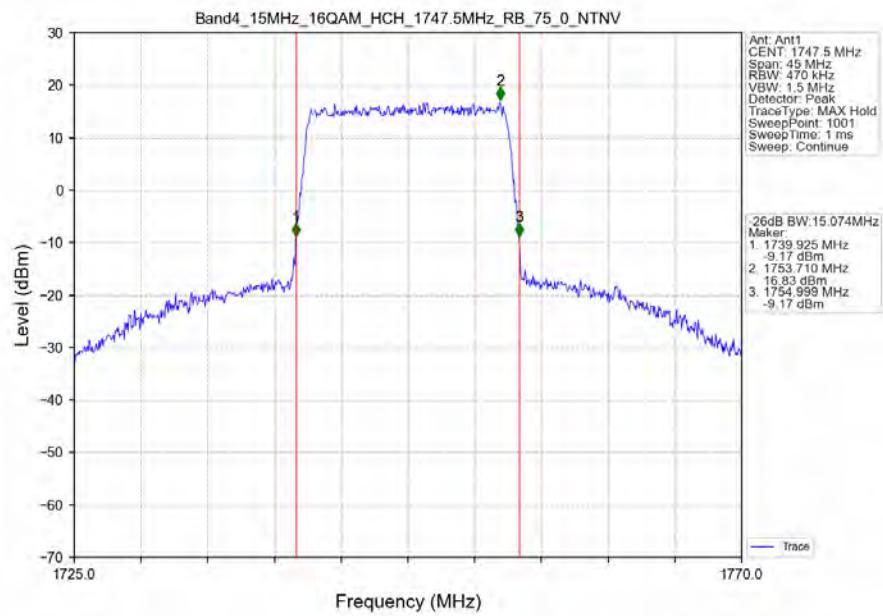
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



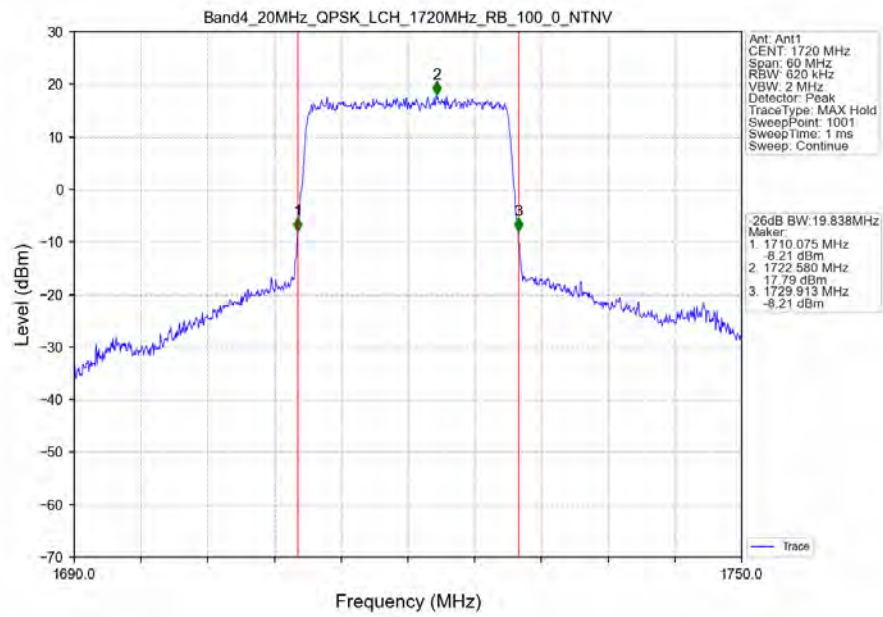
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



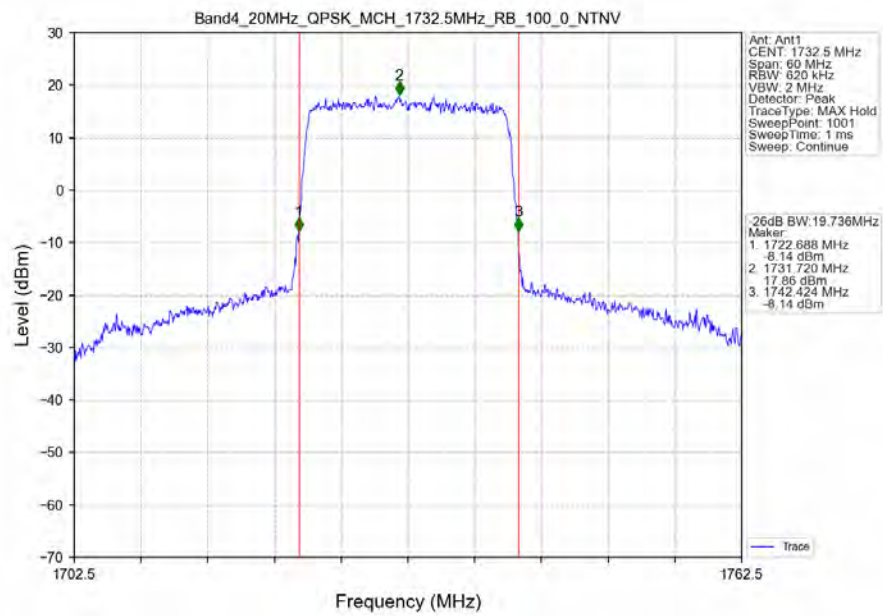
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



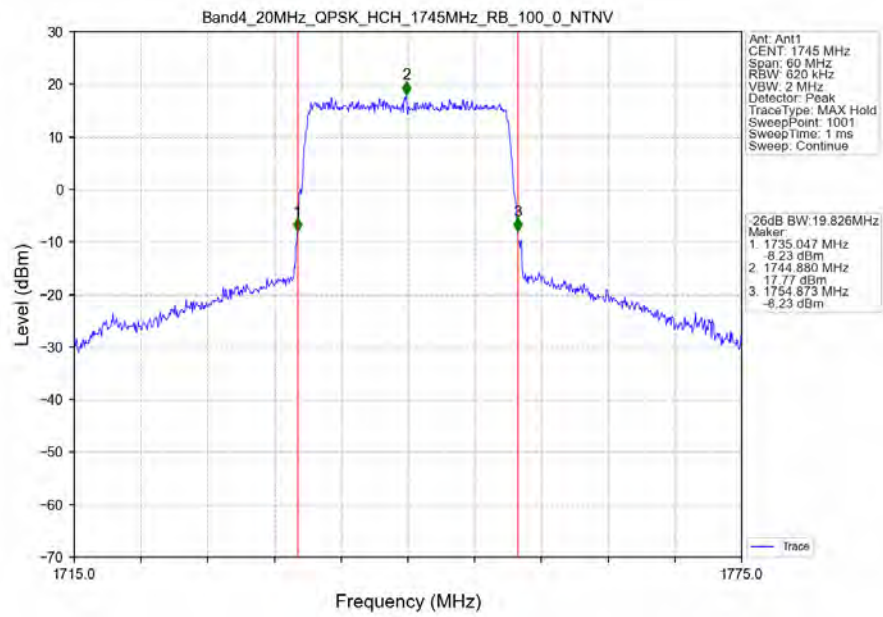
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



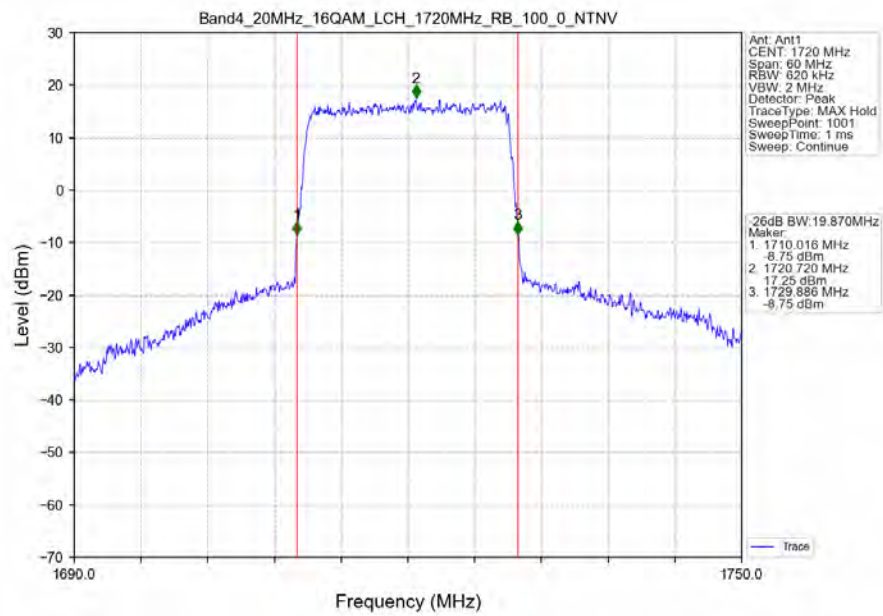
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



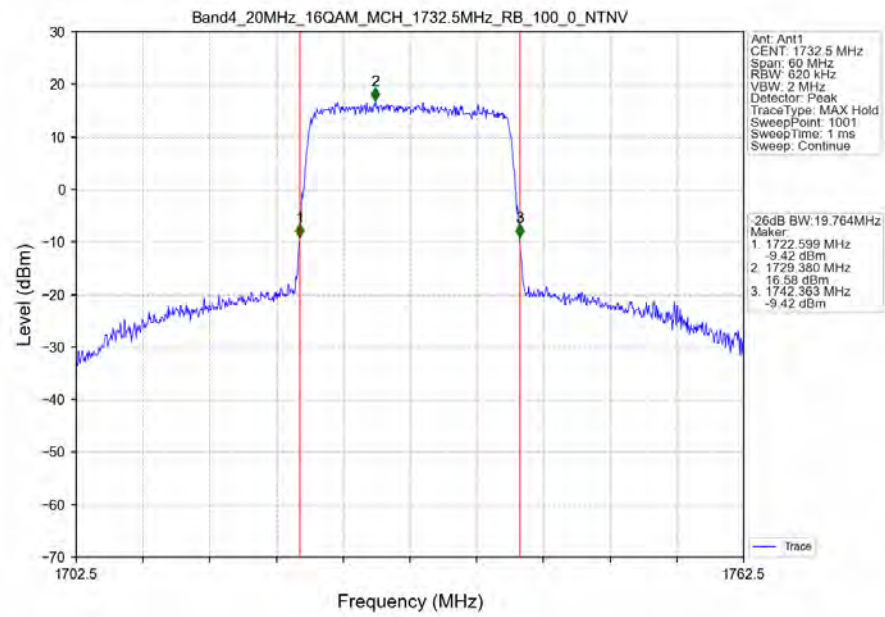
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



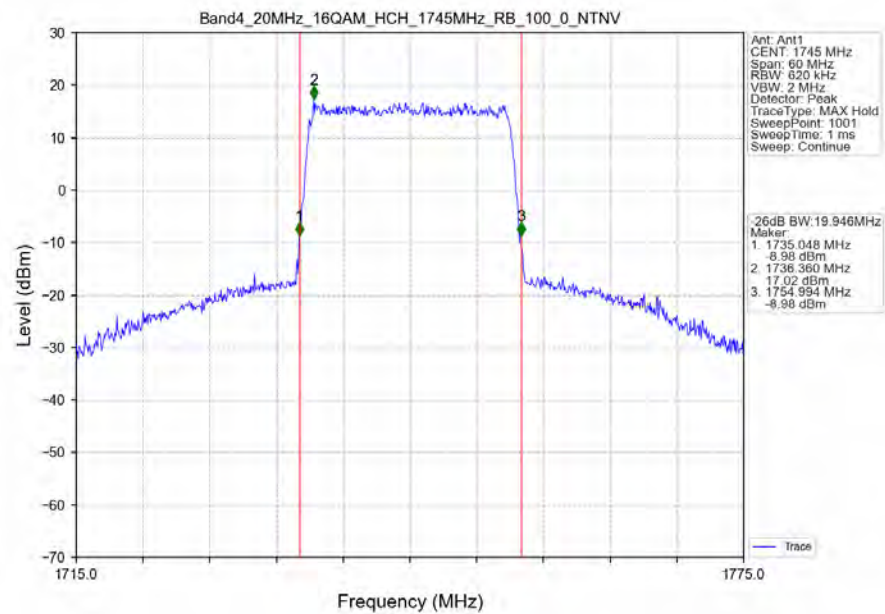
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

4.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.26	<=13	Pass
	1732.5	6	0	5.54	<=13	Pass
	1754.3	6	0	5.59	<=13	Pass
16QAM	1710.7	6	0	6.19	<=13	Pass
	1732.5	6	0	6.39	<=13	Pass
	1754.3	6	0	6.43	<=13	Pass

4.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.47	<=13	Pass
	1732.5	15	0	5.56	<=13	Pass
	1753.5	15	0	5.65	<=13	Pass
16QAM	1711.5	15	0	6.31	<=13	Pass
	1732.5	15	0	6.41	<=13	Pass
	1753.5	15	0	6.50	<=13	Pass

4.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.61	<=13	Pass
	1732.5	25	0	5.63	<=13	Pass
	1752.5	25	0	5.74	<=13	Pass
16QAM	1712.5	25	0	6.38	<=13	Pass
	1732.5	25	0	6.41	<=13	Pass
	1752.5	25	0	6.64	<=13	Pass

4.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.60	<=13	Pass
	1732.5	50	0	5.53	<=13	Pass
	1750	50	0	5.81	<=13	Pass

16QAM	1715	50	0	6.44	<=13	Pass
	1732.5	50	0	6.41	<=13	Pass
	1750	50	0	6.63	<=13	Pass

4.1.5 B4_15MHz

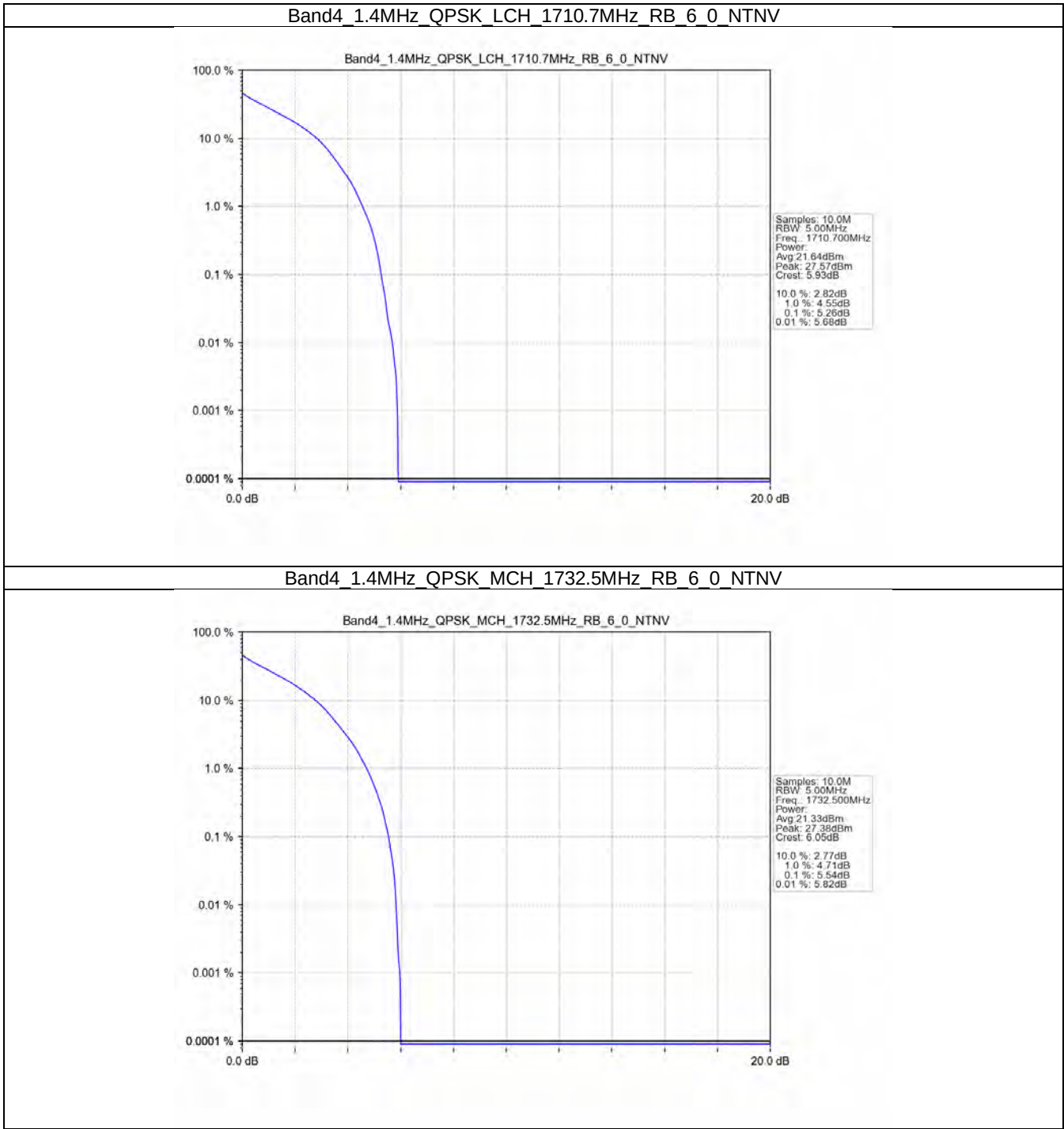
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.81	<=13	Pass
	1732.5	75	0	5.83	<=13	Pass
	1747.5	75	0	5.99	<=13	Pass
16QAM	1717.5	75	0	6.54	<=13	Pass
	1732.5	75	0	6.56	<=13	Pass
	1747.5	75	0	6.69	<=13	Pass

4.1.6 B4_20MHz

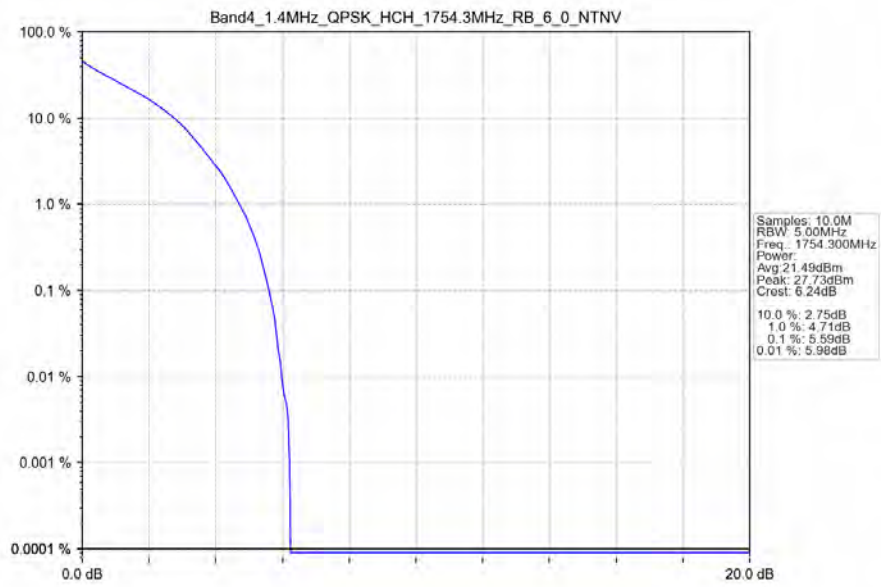
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.60	<=13	Pass
	1732.5	100	0	5.62	<=13	Pass
	1745	100	0	5.80	<=13	Pass
16QAM	1720	100	0	6.47	<=13	Pass
	1732.5	100	0	6.50	<=13	Pass
	1745	100	0	6.63	<=13	Pass

4.2 Test Graph

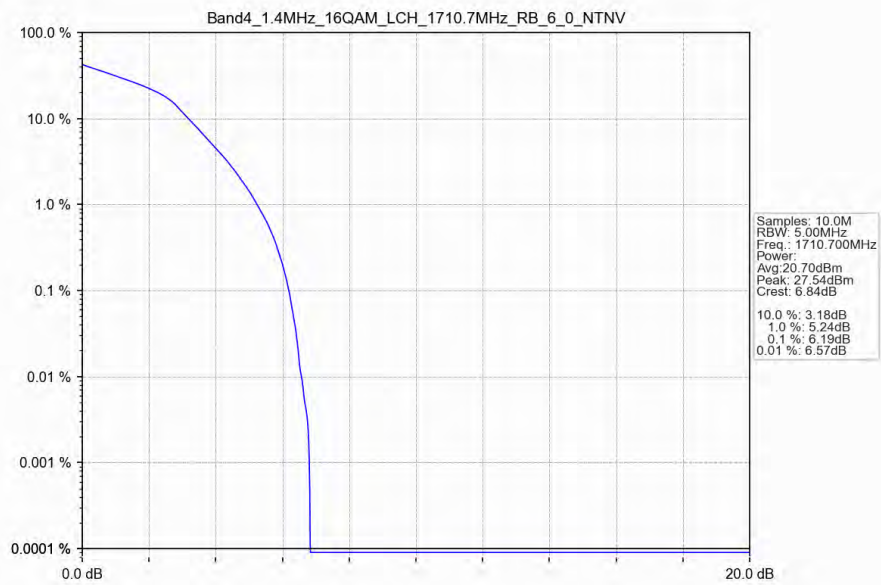
4.2.1 B4_1.4MHz



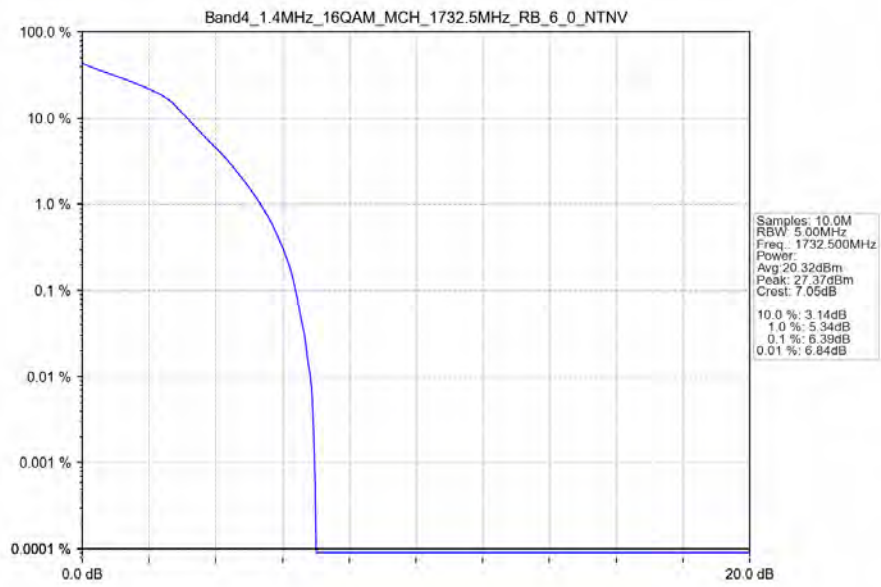
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



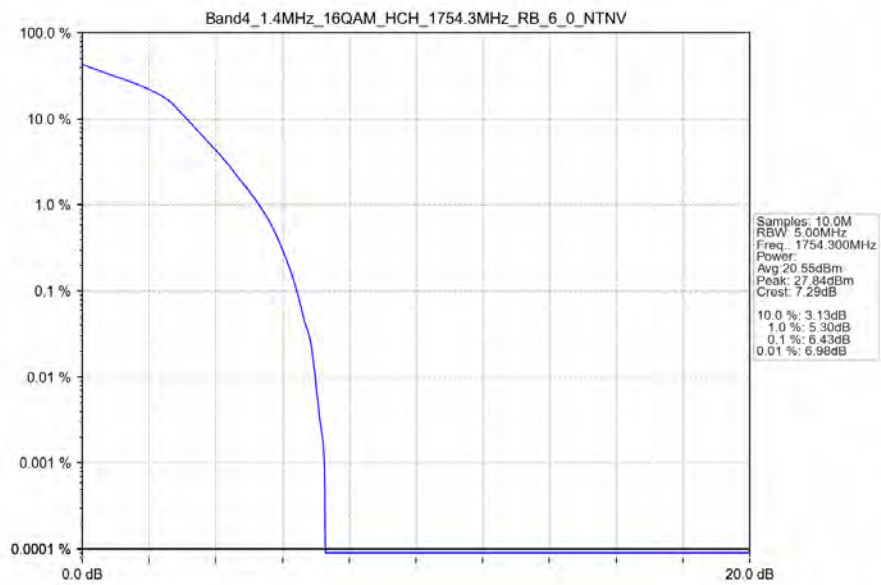
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



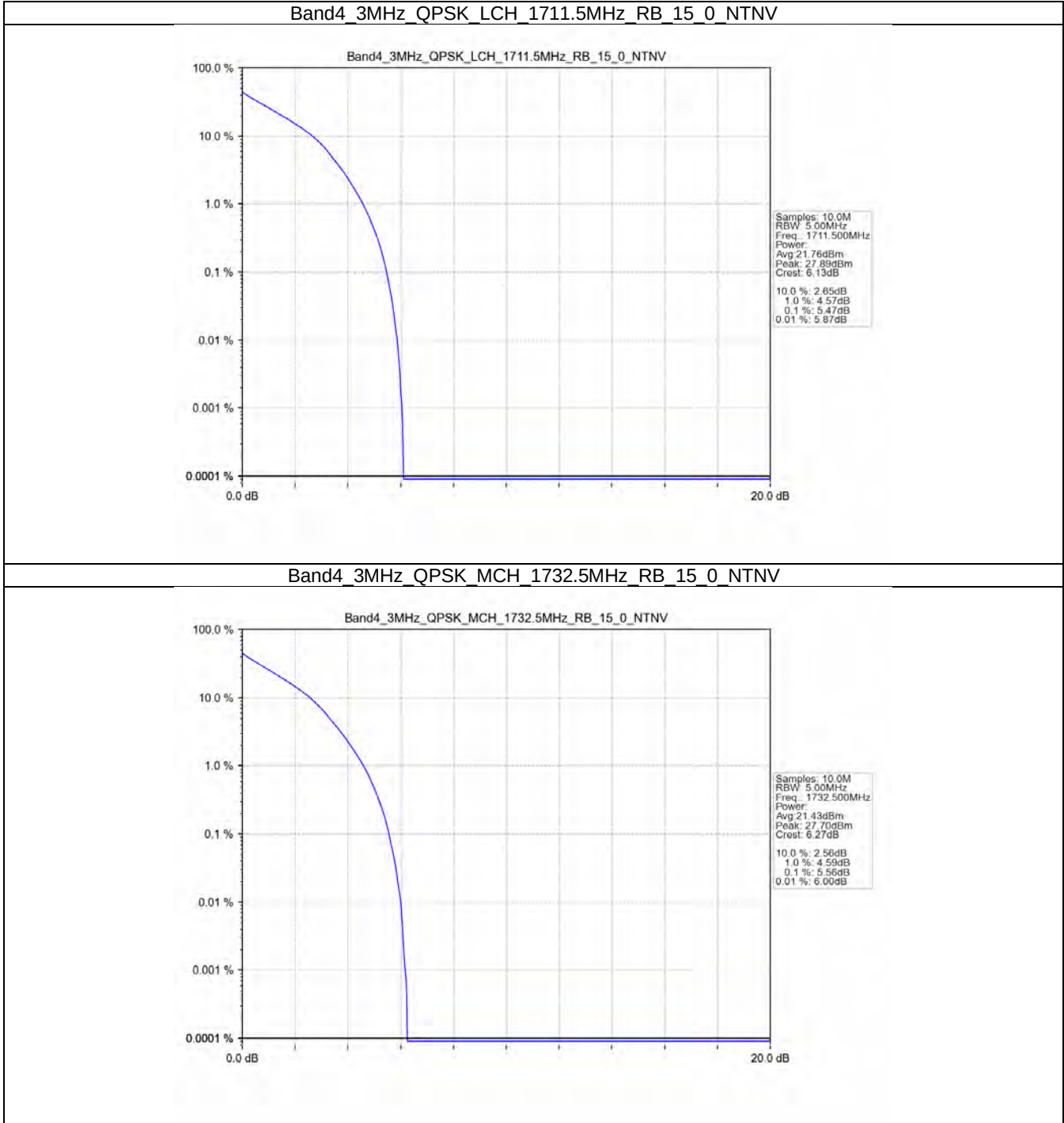
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



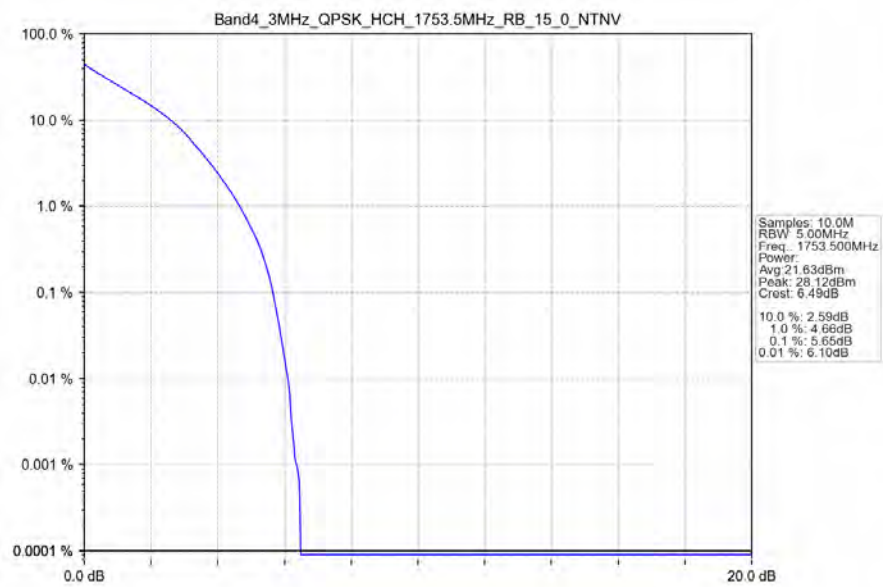
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



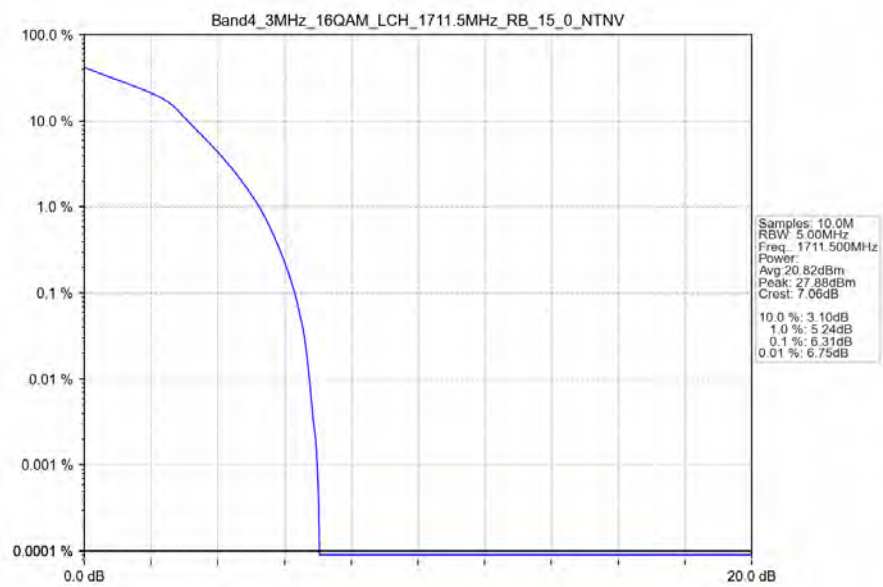
4.2.2 B4_3MHz



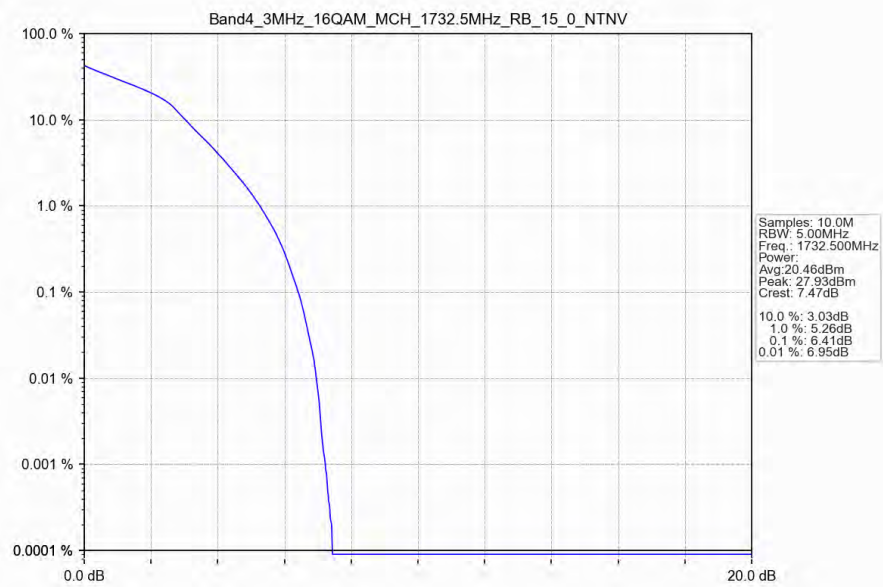
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



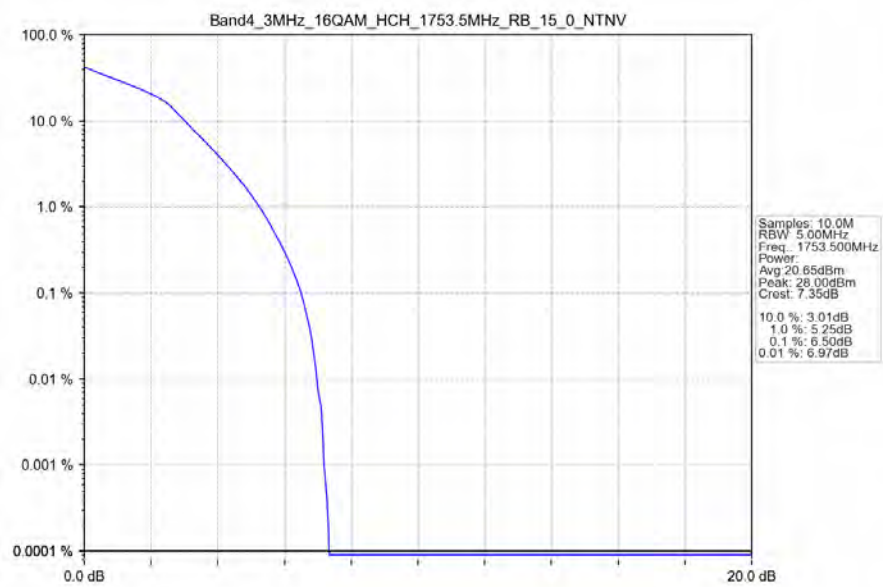
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



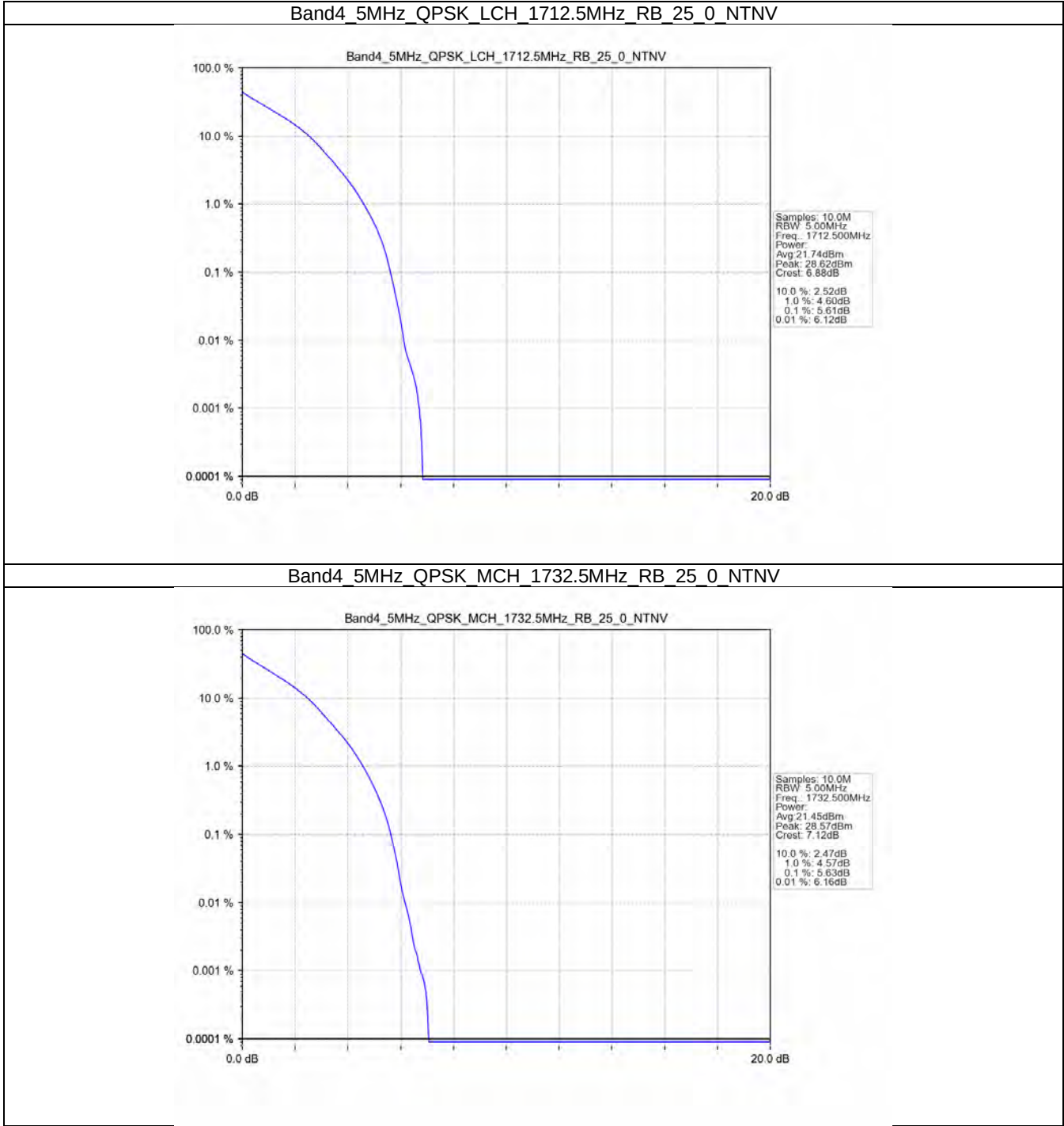
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



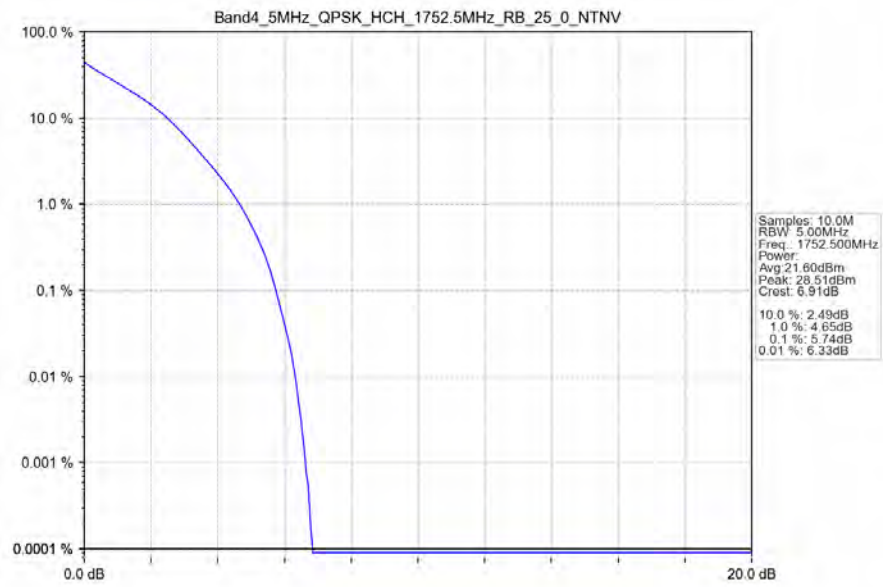
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



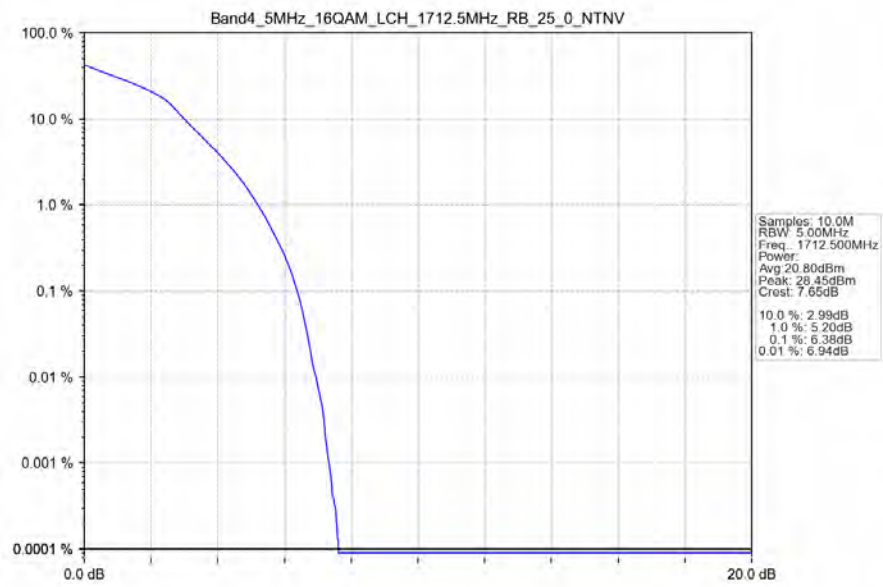
4.2.3 B4_5MHz



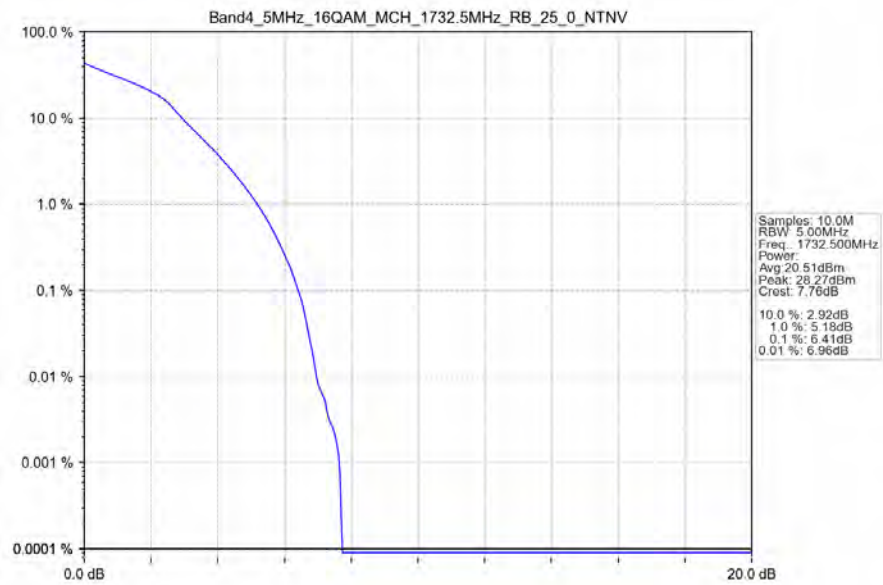
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



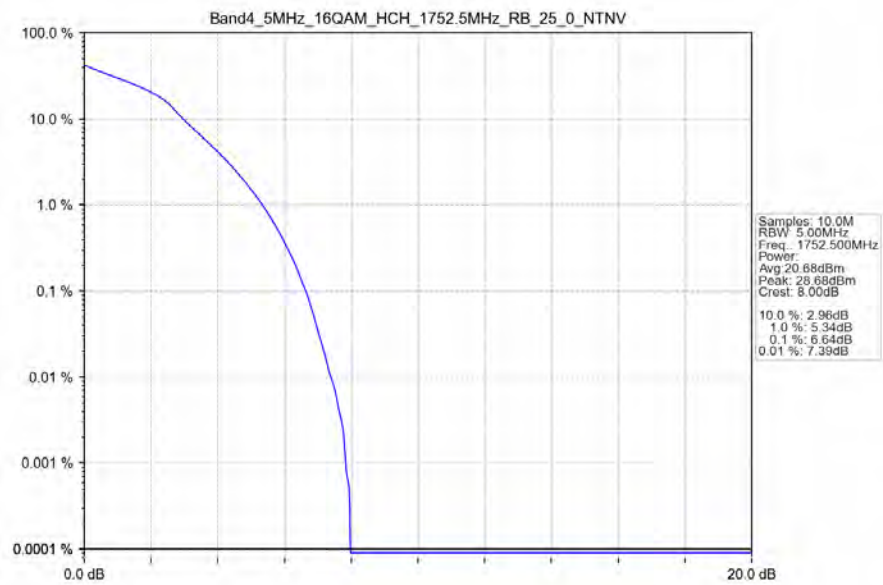
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



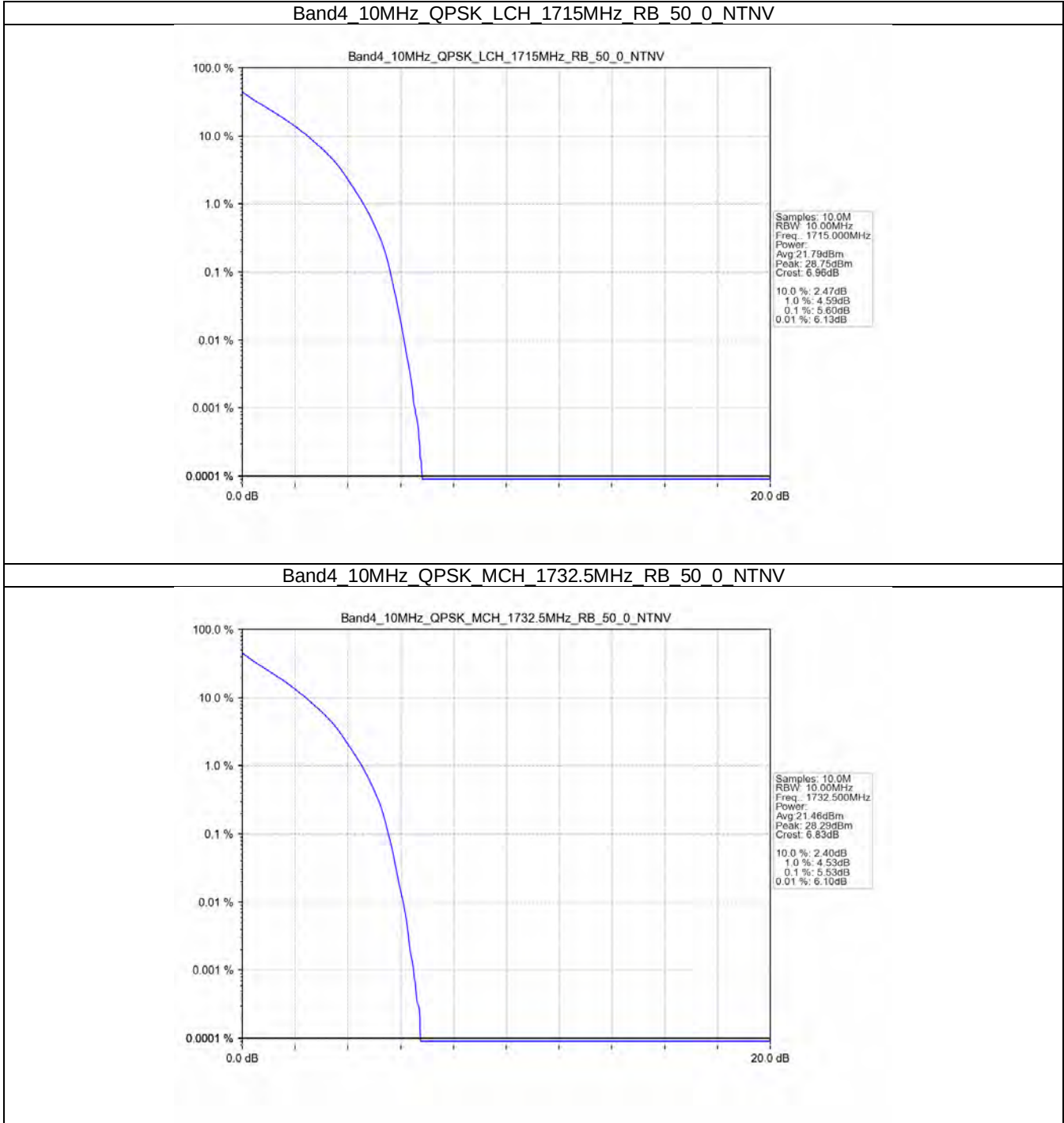
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



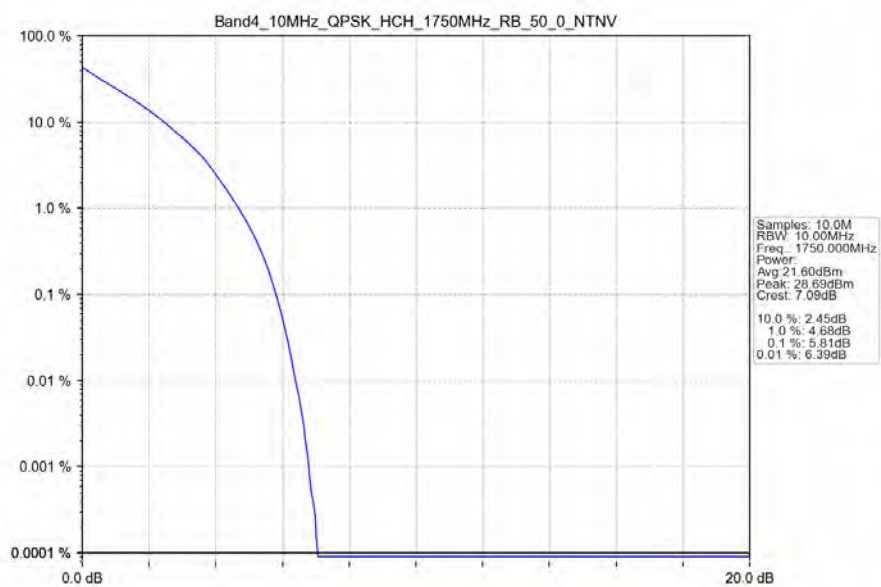
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



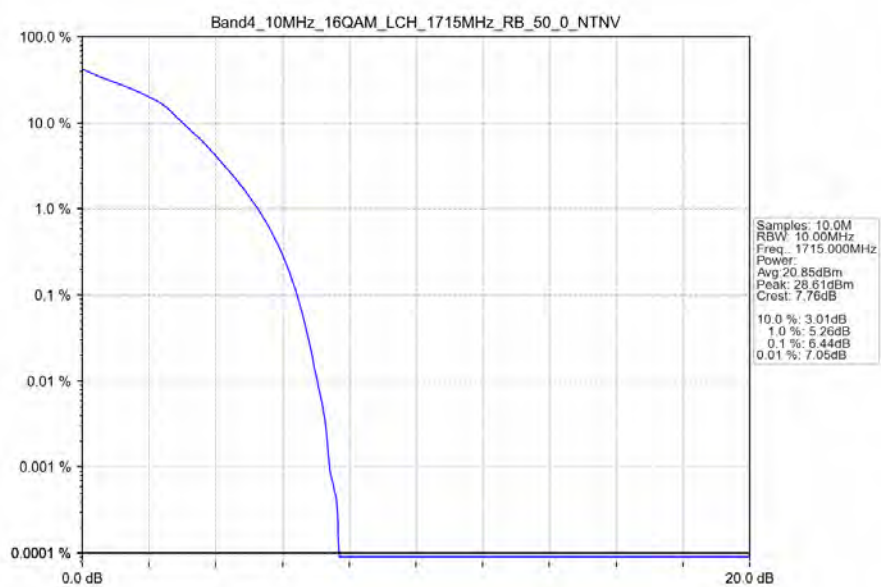
4.2.4 B4_10MHz



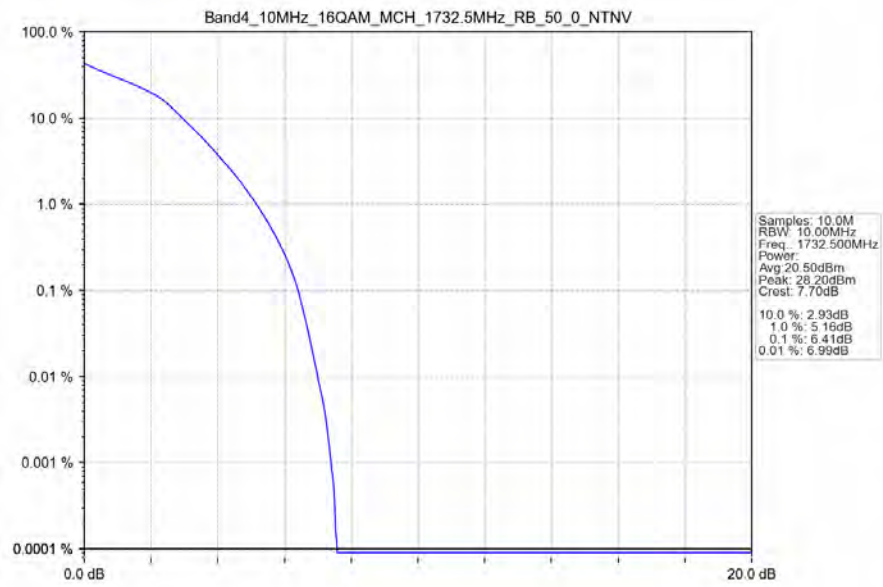
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



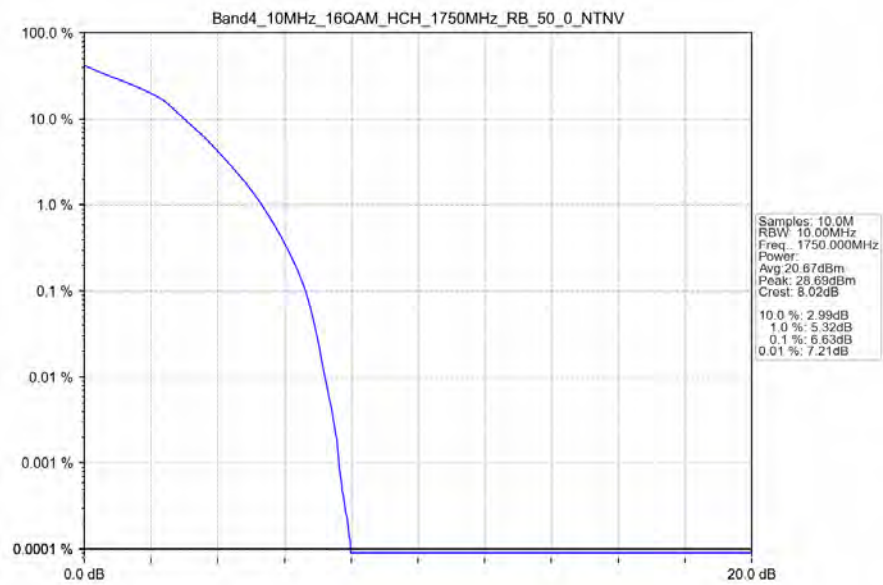
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



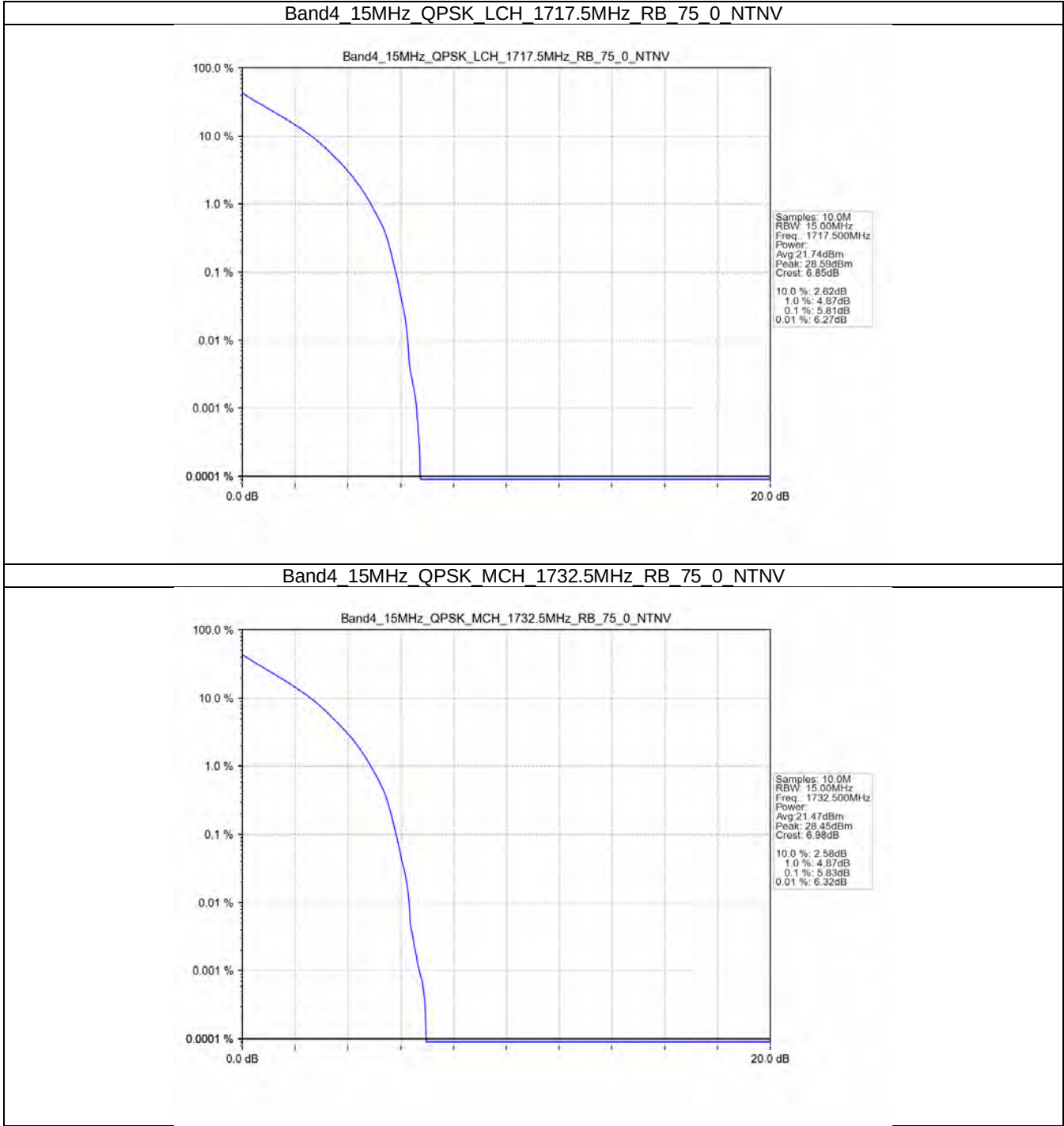
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



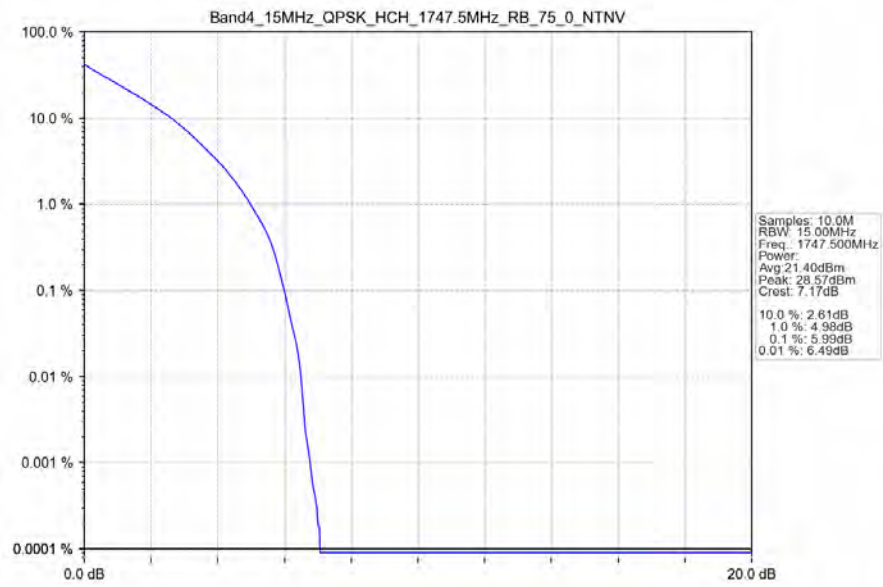
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



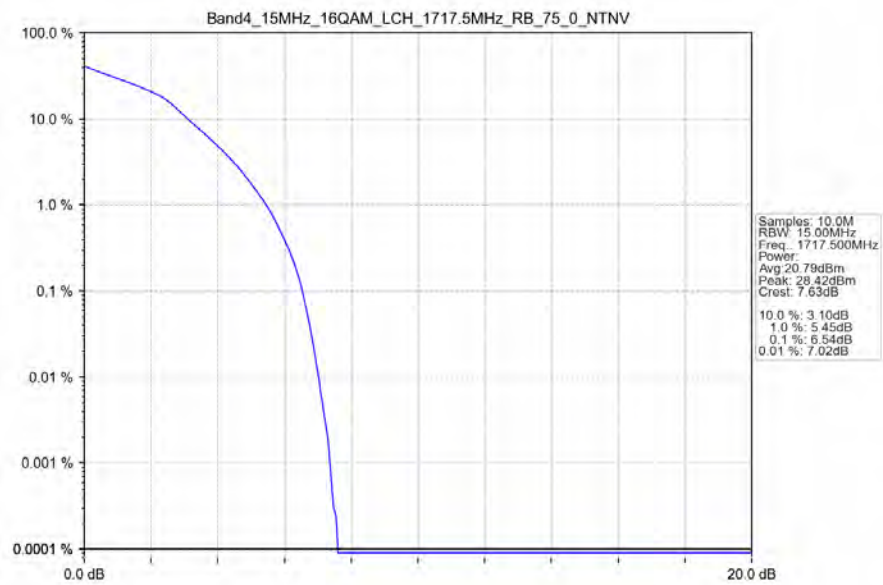
4.2.5 B4_15MHz



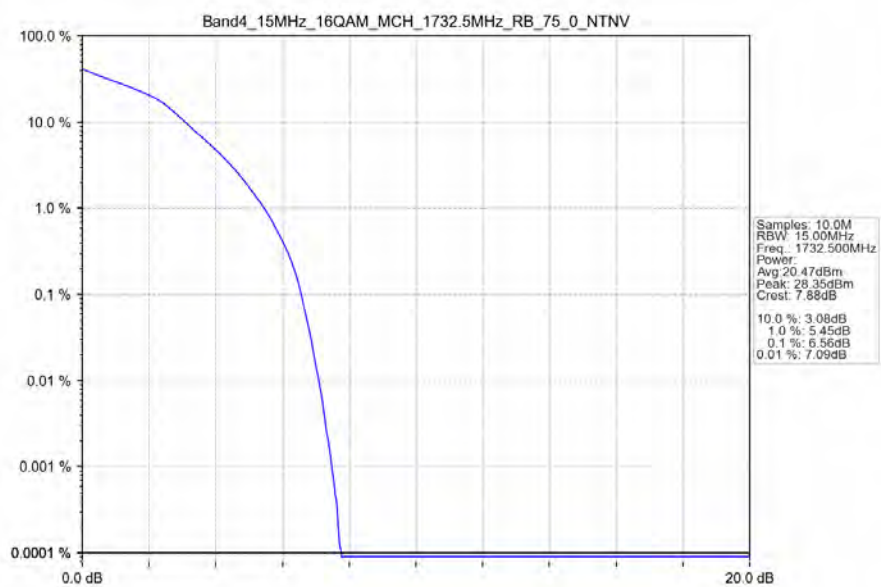
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



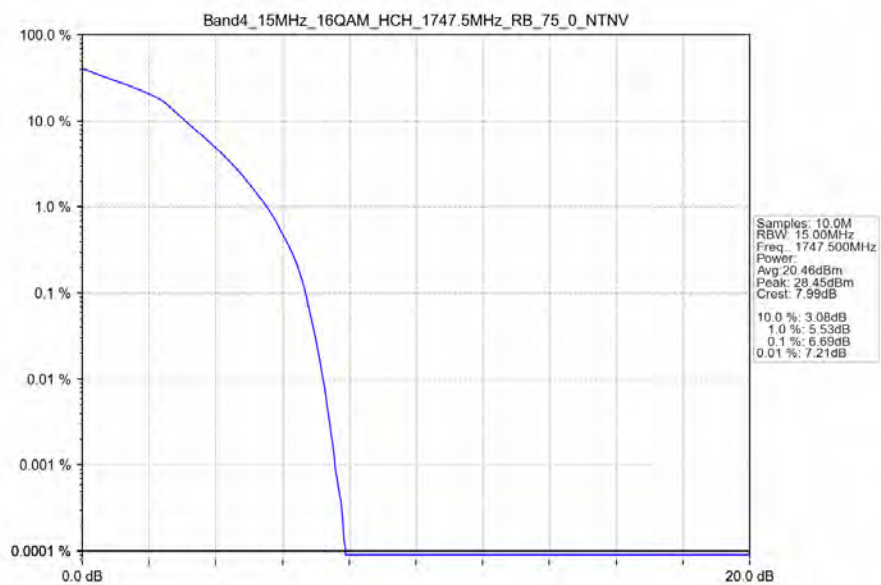
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



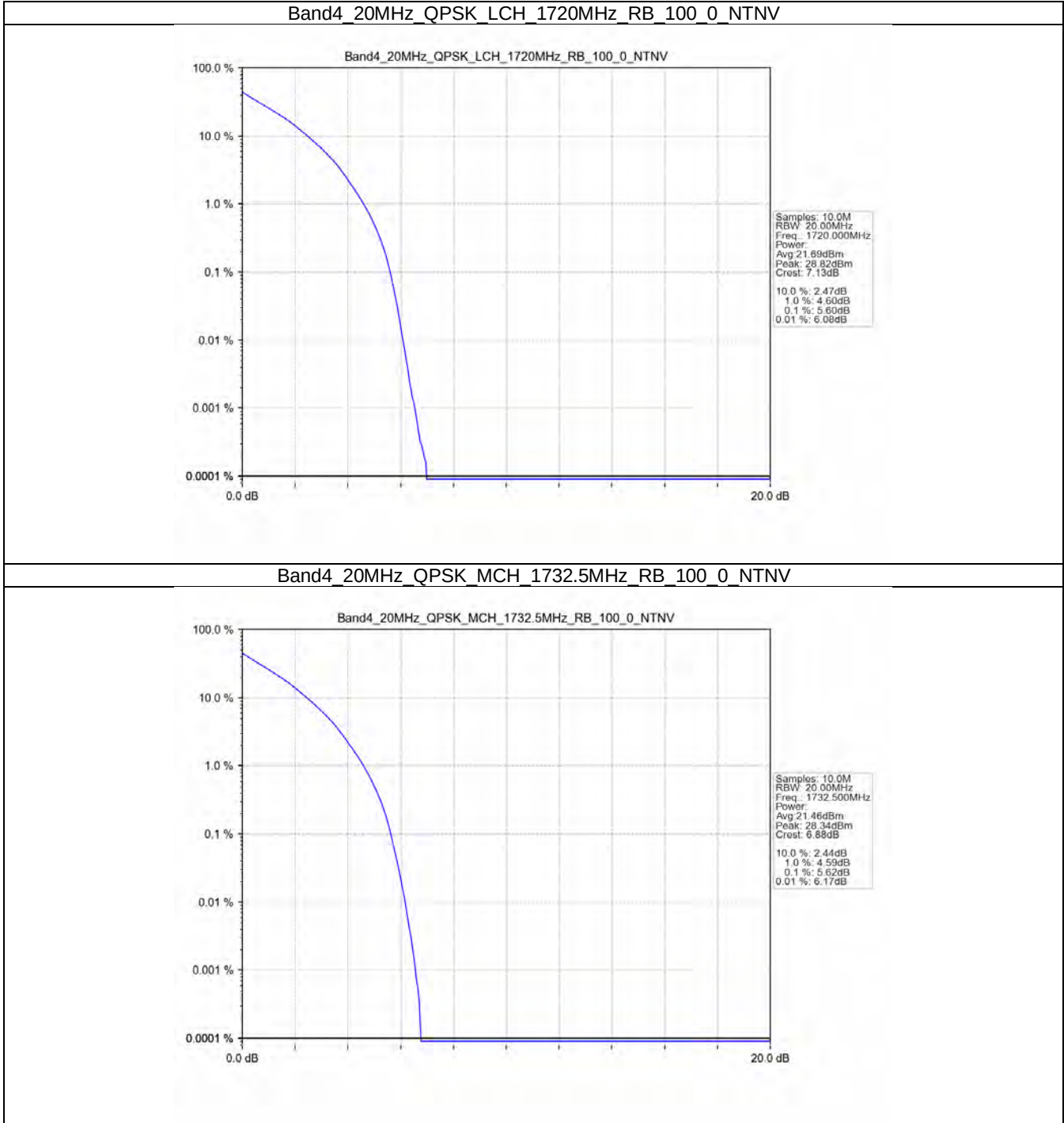
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



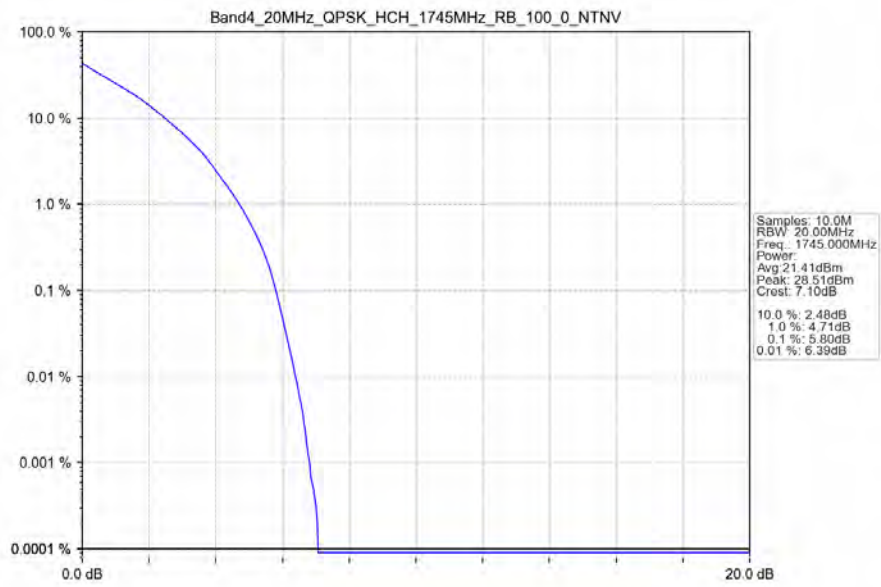
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



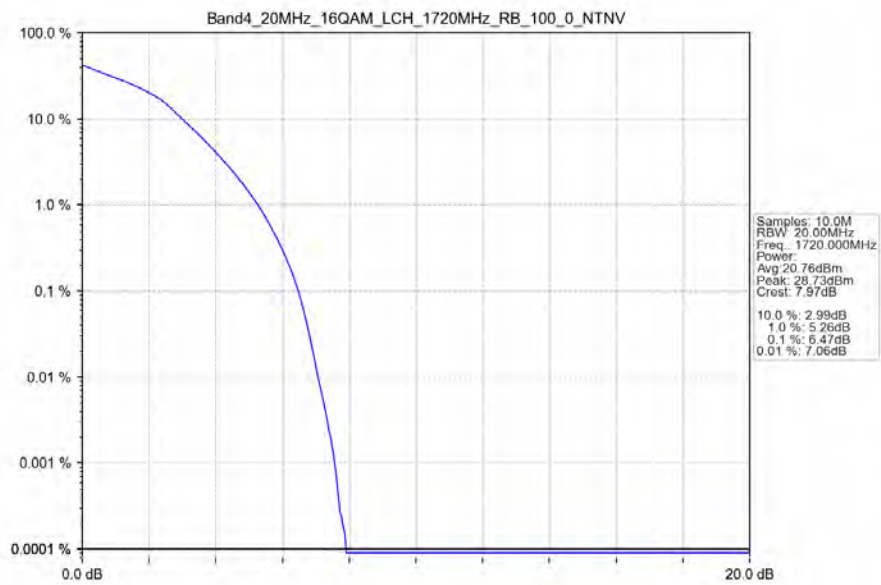
4.2.6 B4_20MHz



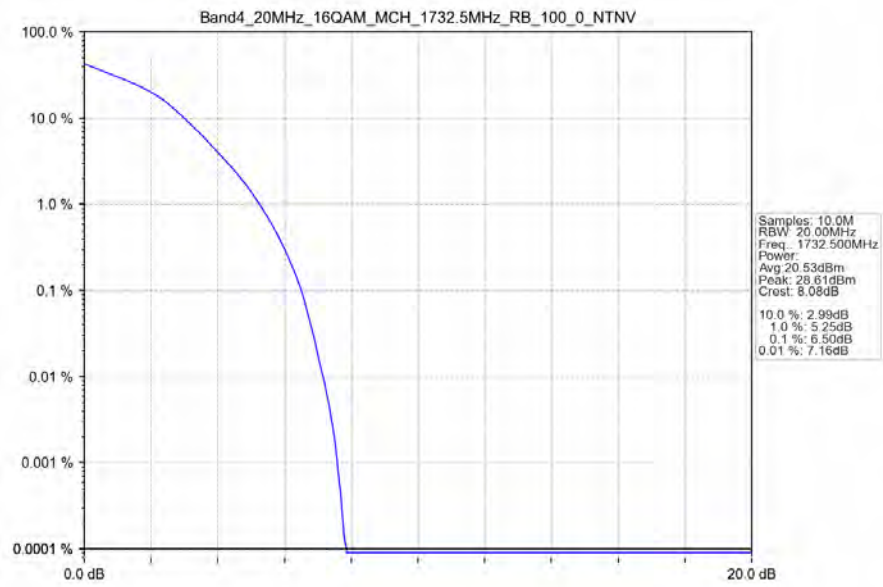
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



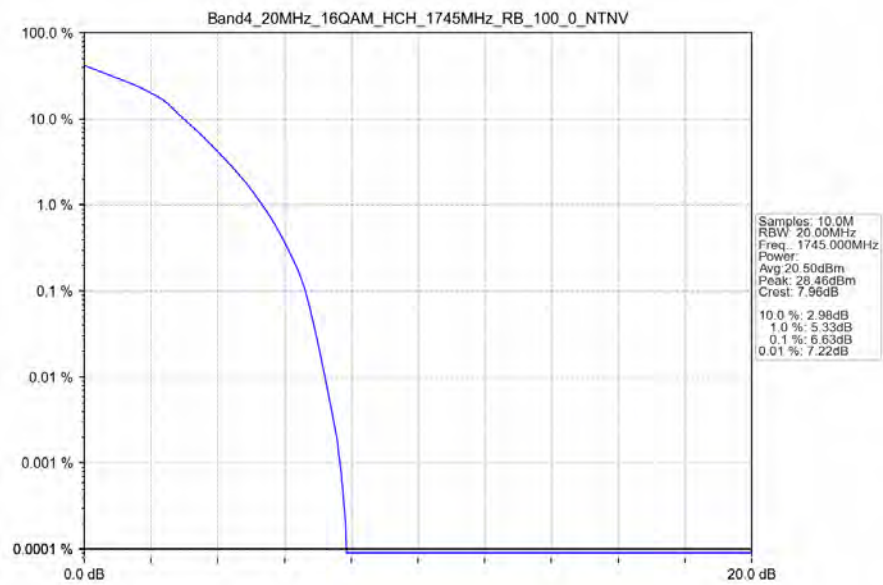
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B4_1.4MHz

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

5.1.2 B4_3MHz

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

5.1.3 B4_5MHz

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

		25	0	Refer To Test Graph	Pass
16QAM	1712.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
		24	0	Refer To Test Graph	Pass
	1752.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
	1750	1	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
		1	0	Refer To Test Graph	Pass
	1750	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass

5.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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
		1	0	Refer To Test Graph	Pass
	1747.5	1	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
		1	0	Refer To Test Graph	Pass
	1747.5	1	74	Refer To Test Graph	Pass
		75	0	Refer To Test Graph	Pass

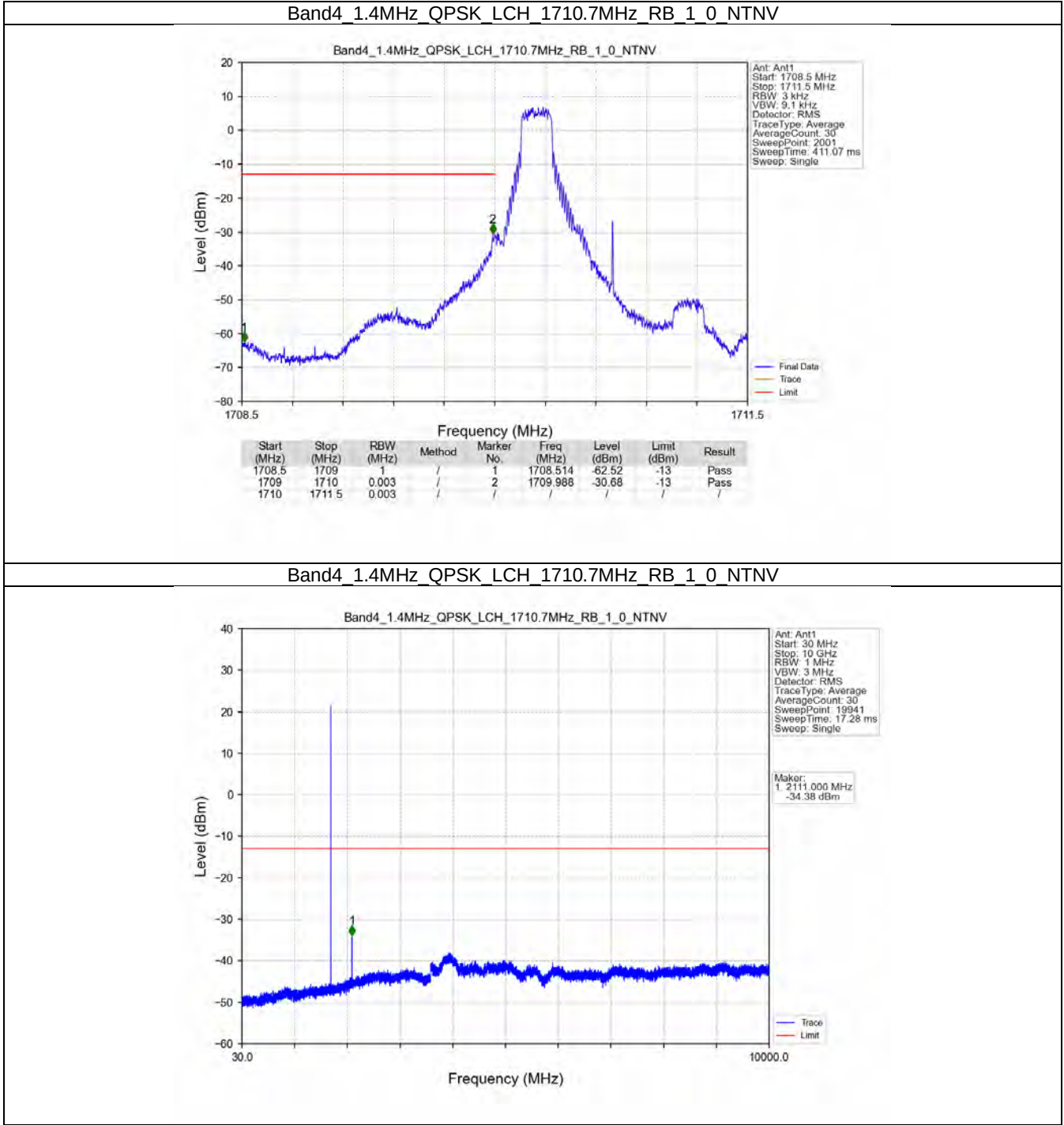
5.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		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

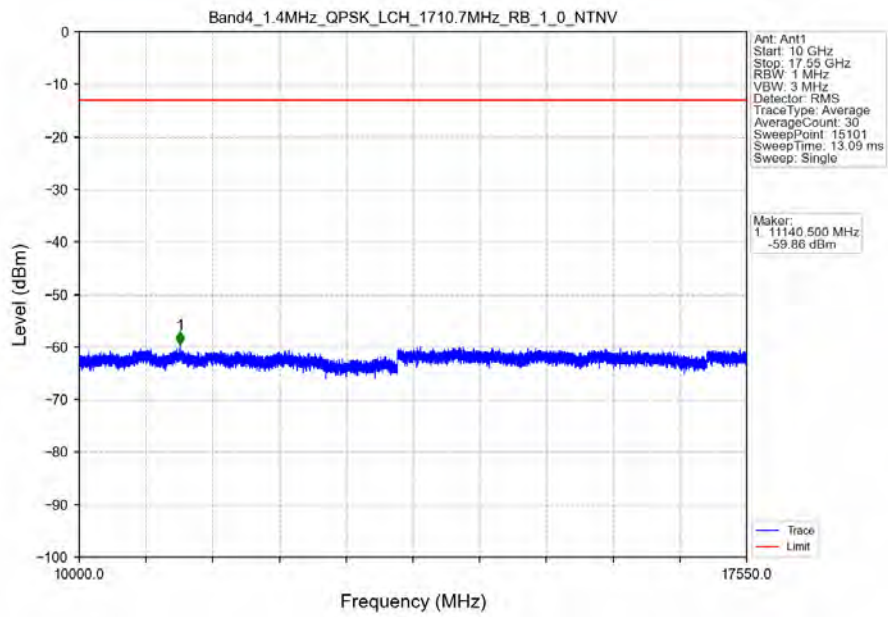
16QAM	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	1720	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	1732.5	1	0	Refer To Test Graph	Pass
	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

5.2 Test Graph

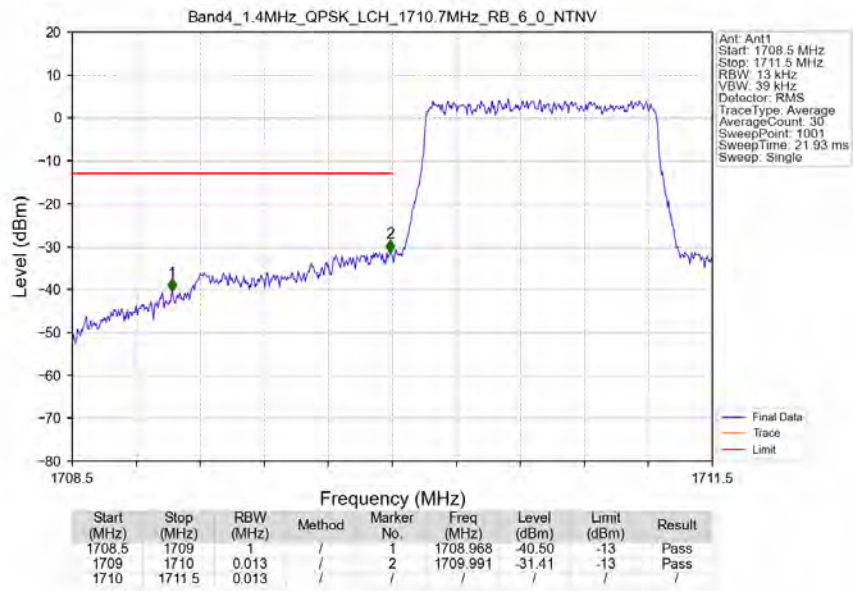
5.2.1 B4_1.4MHz



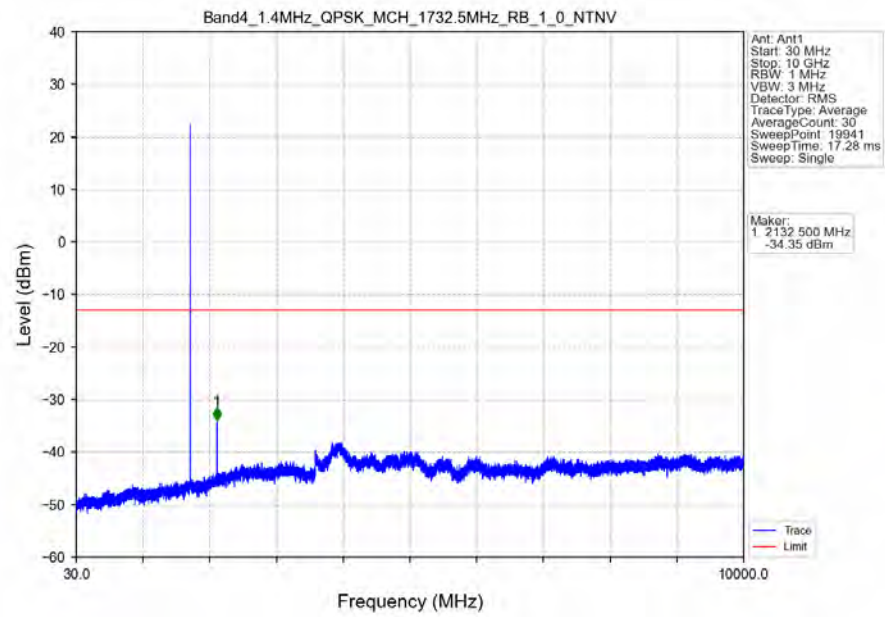
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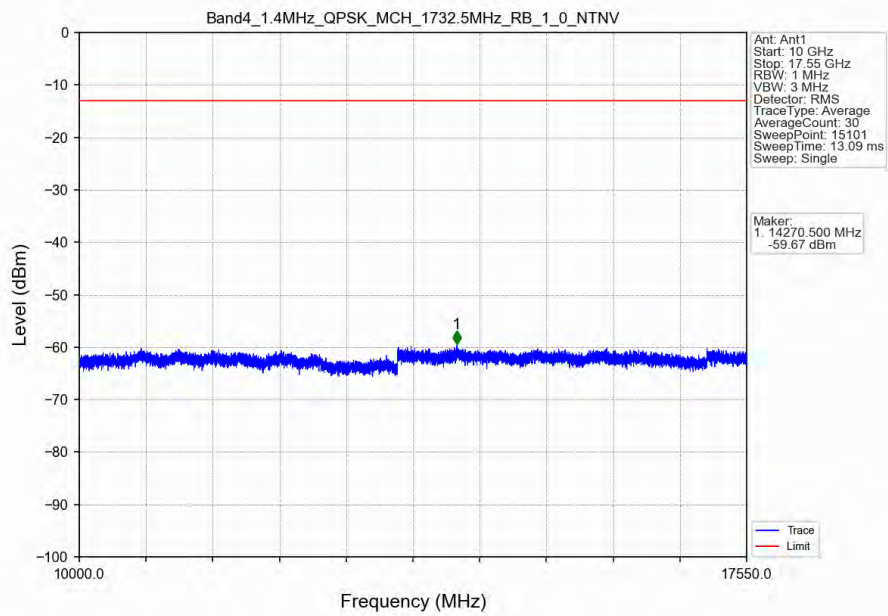
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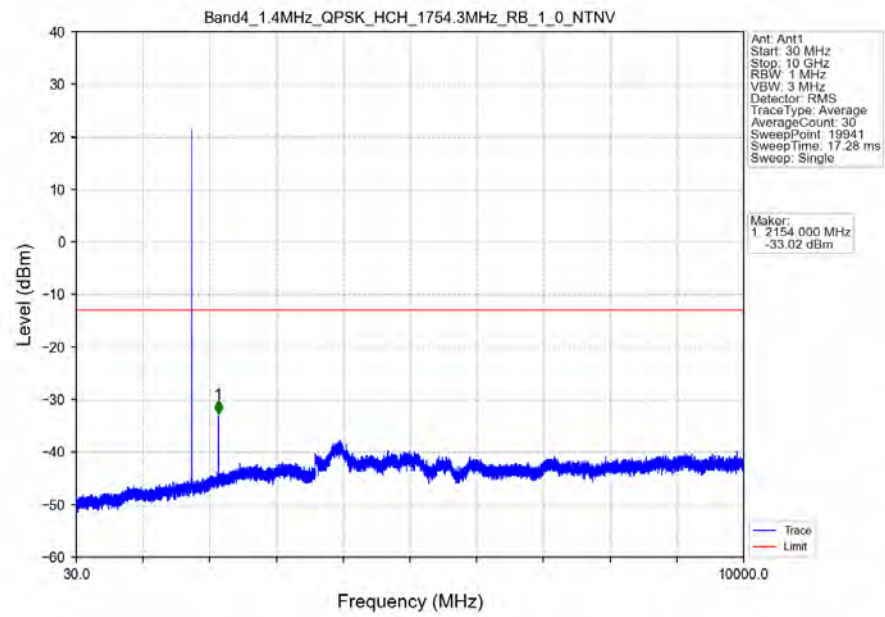
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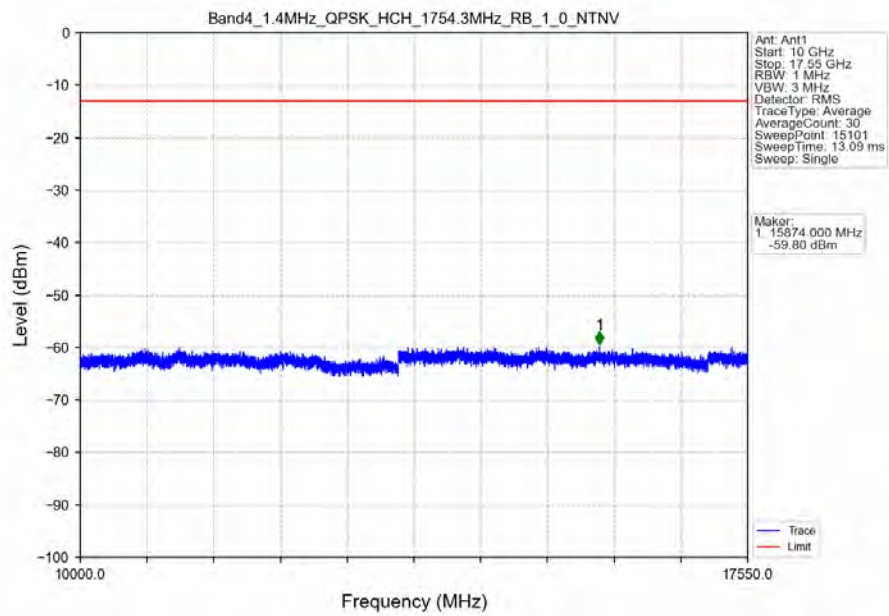
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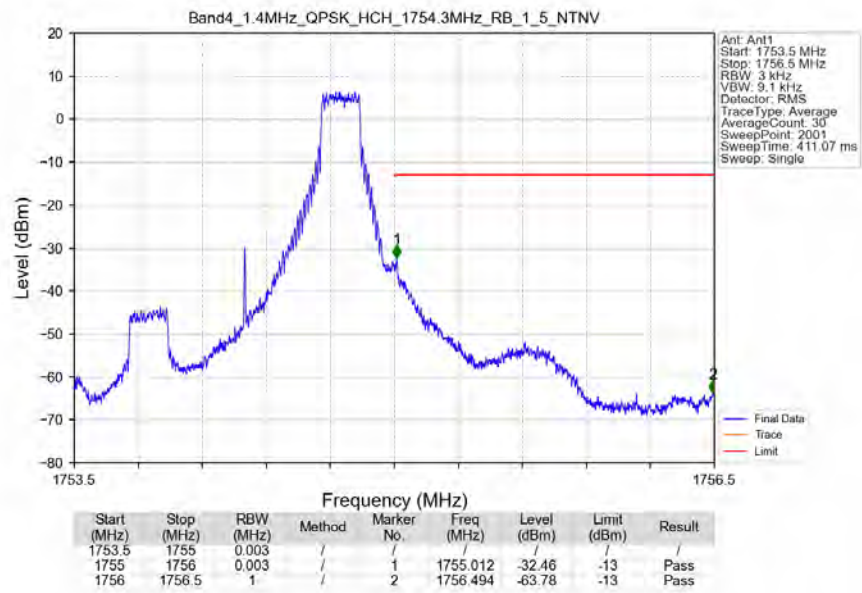
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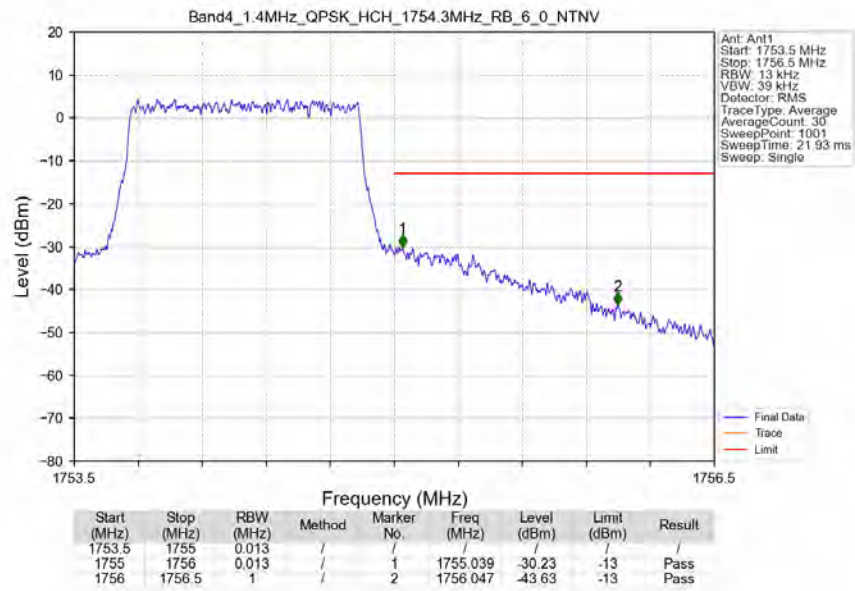
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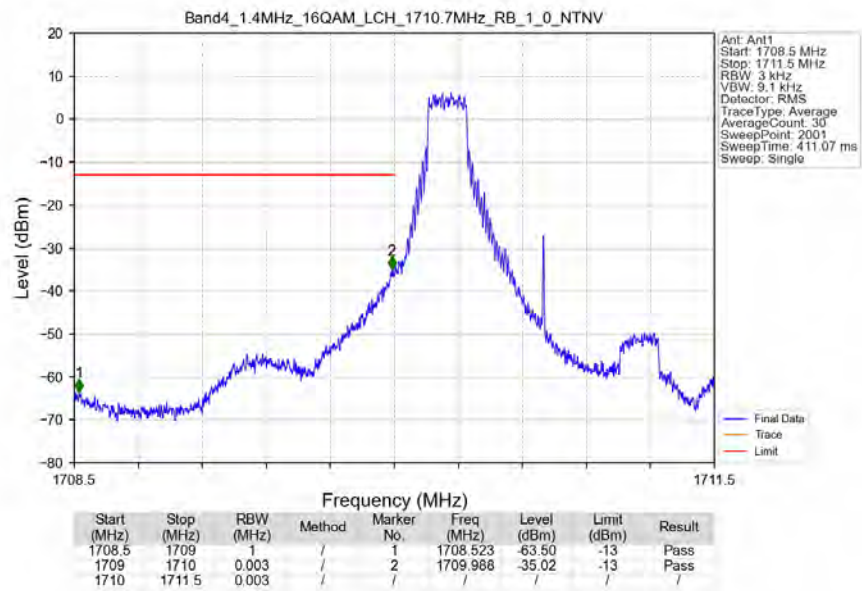
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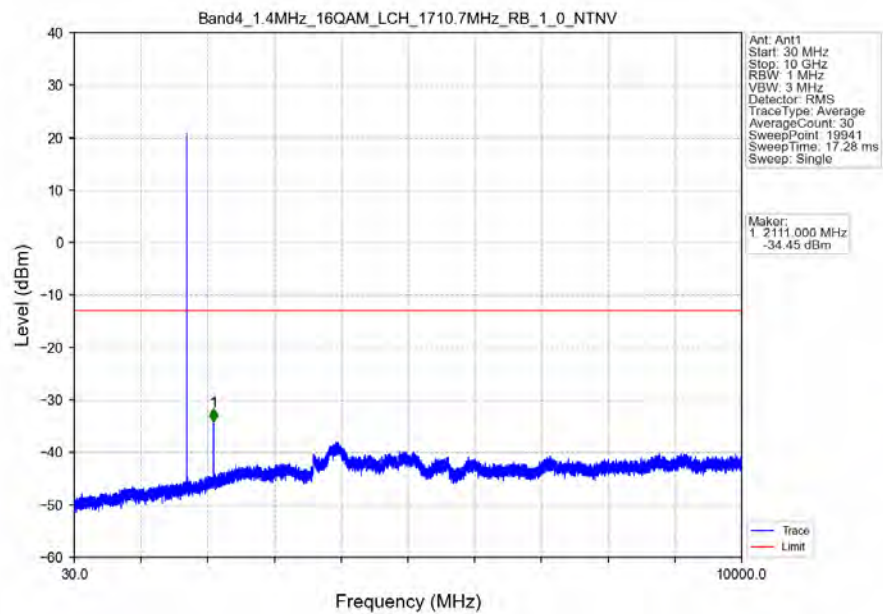
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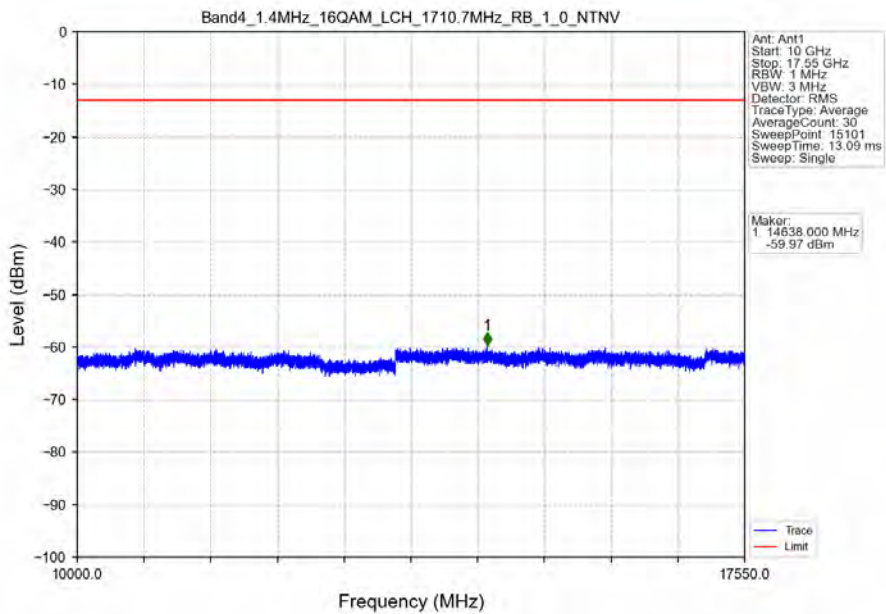
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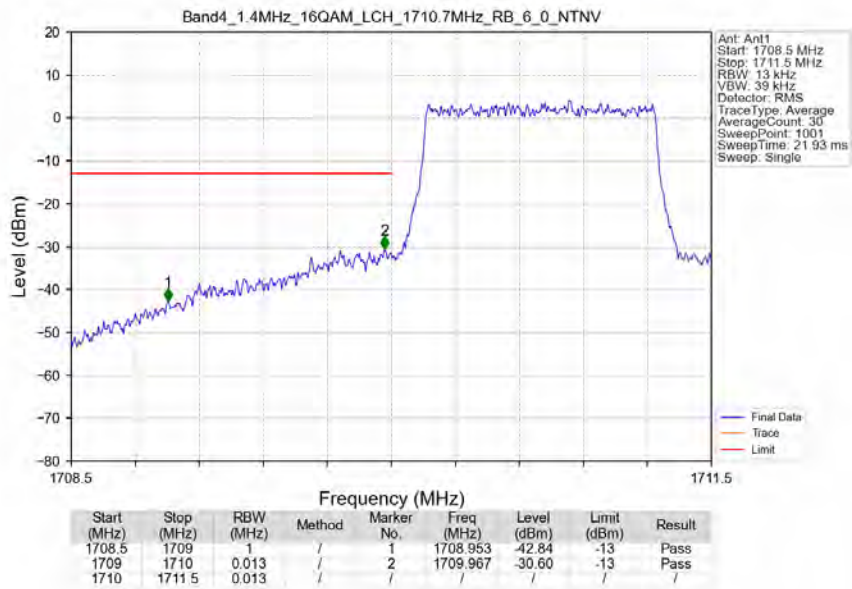
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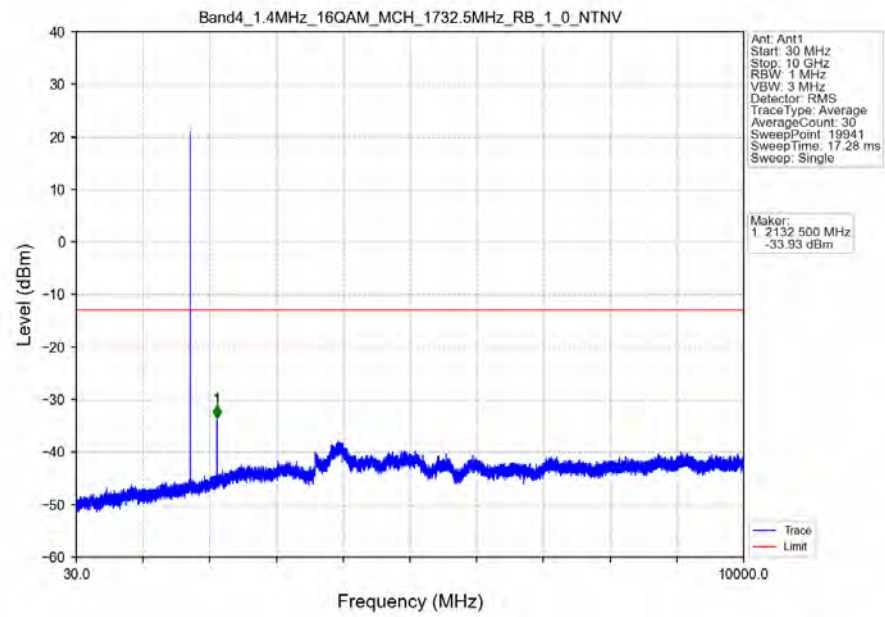
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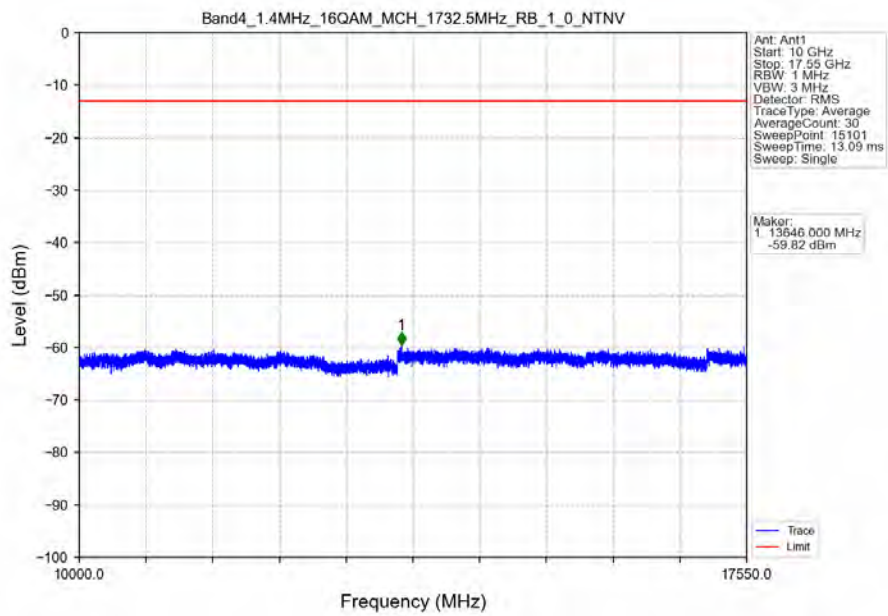
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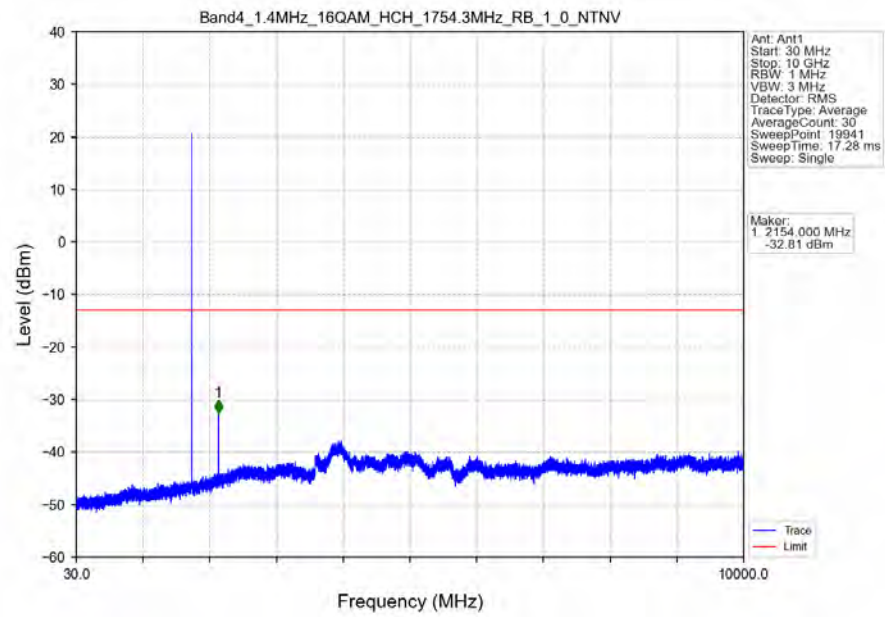
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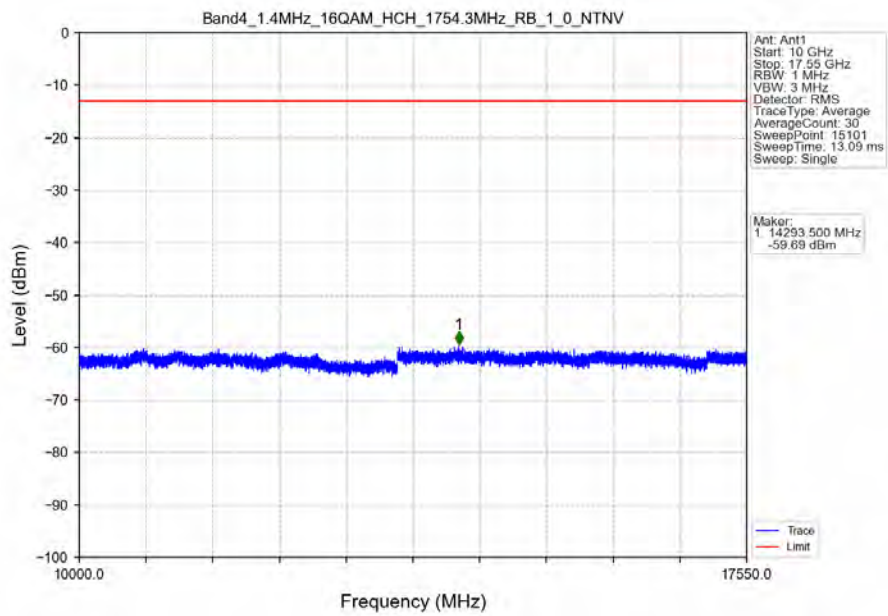
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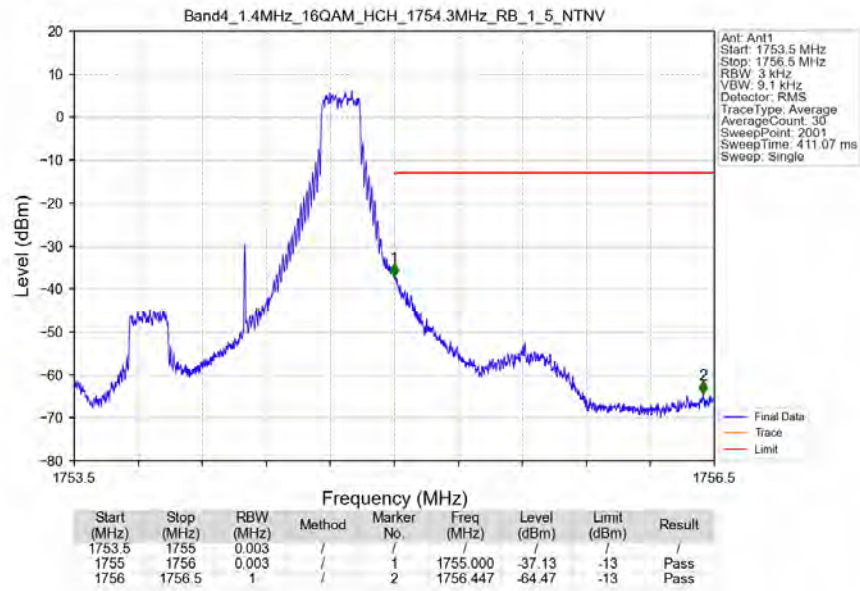
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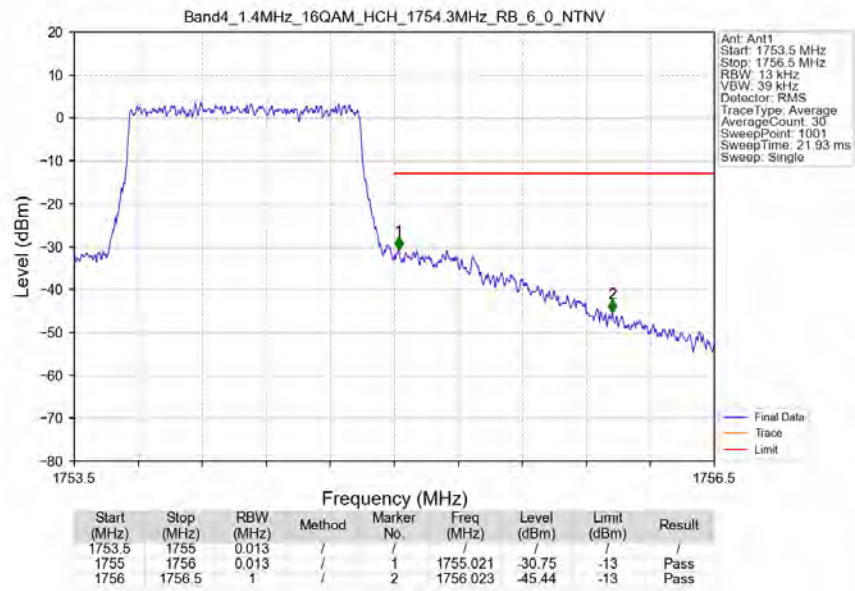
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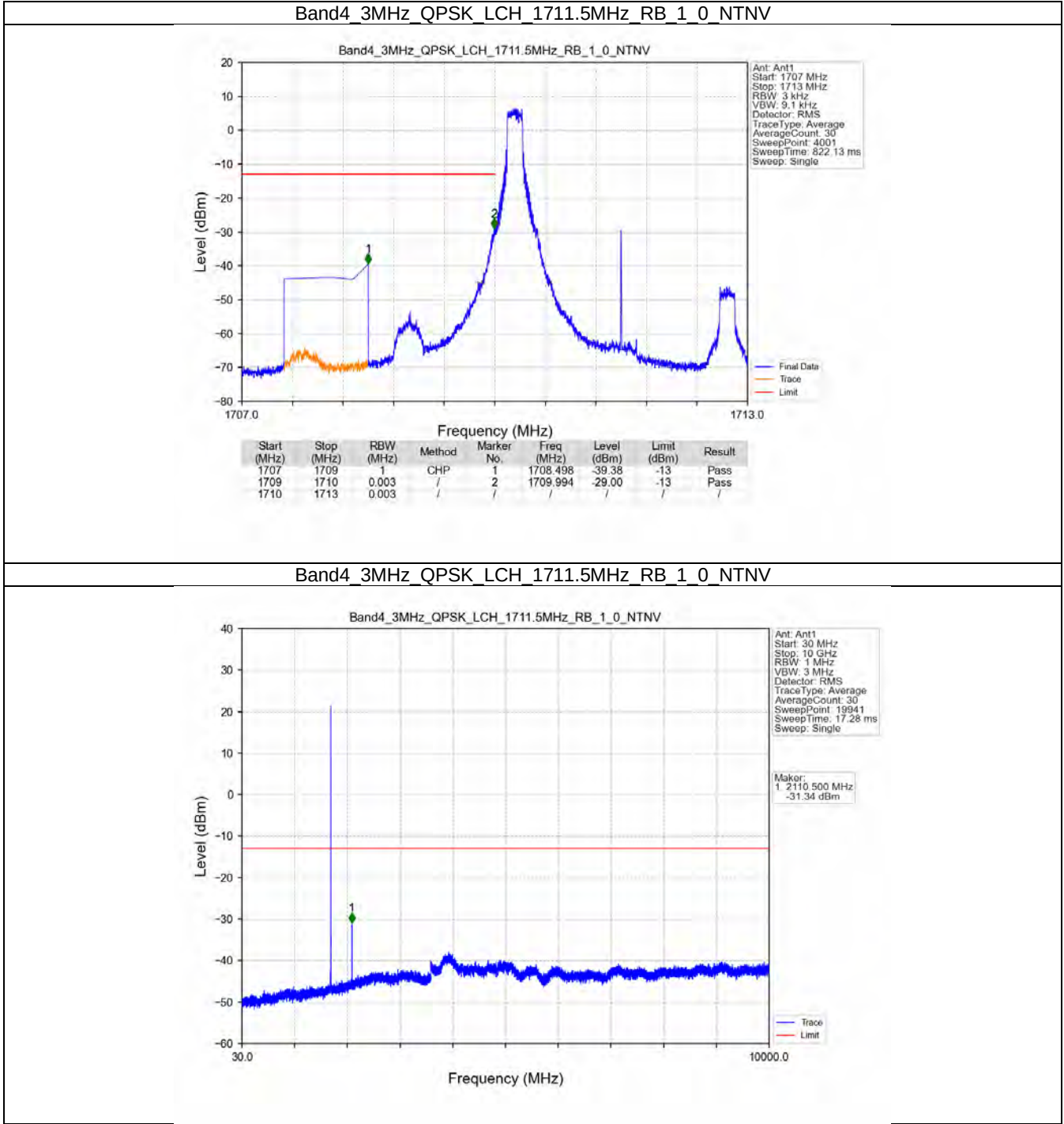
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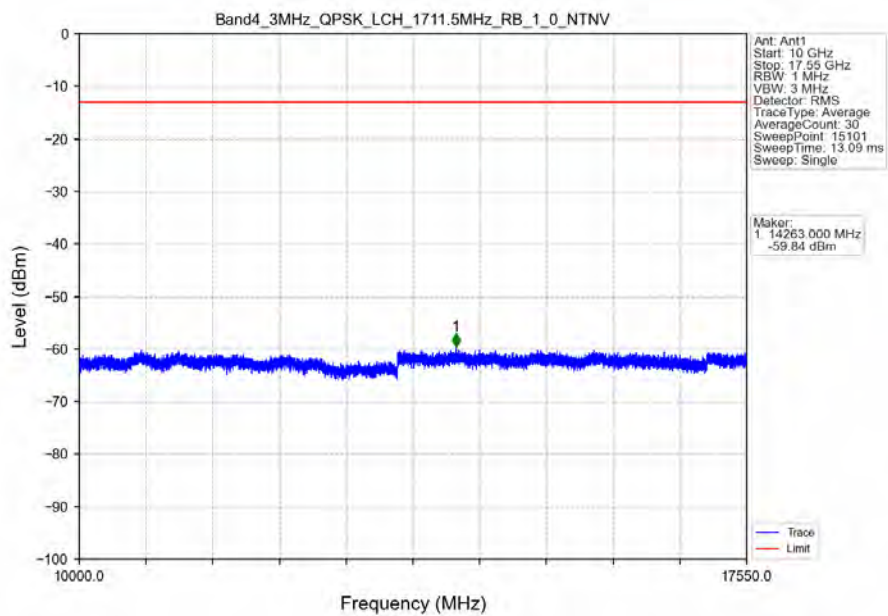
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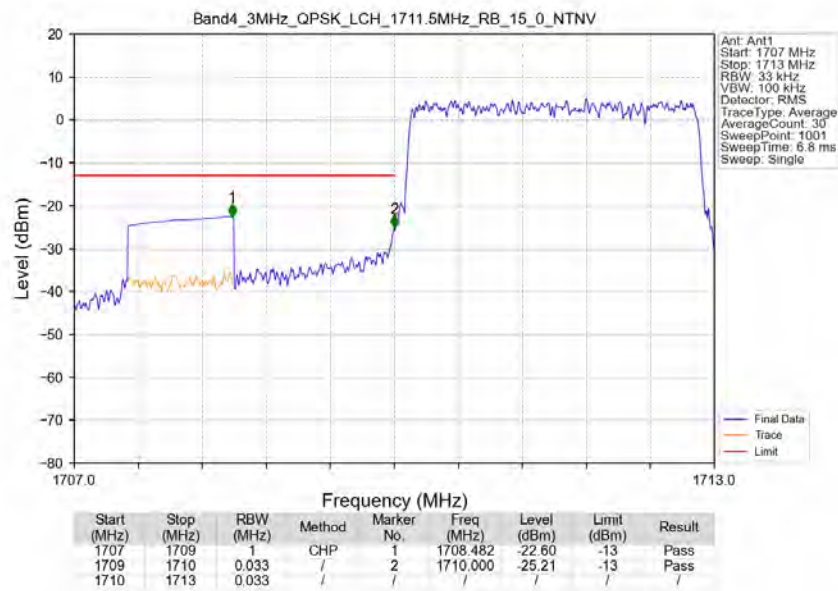
5.2.2 B4_3MHz



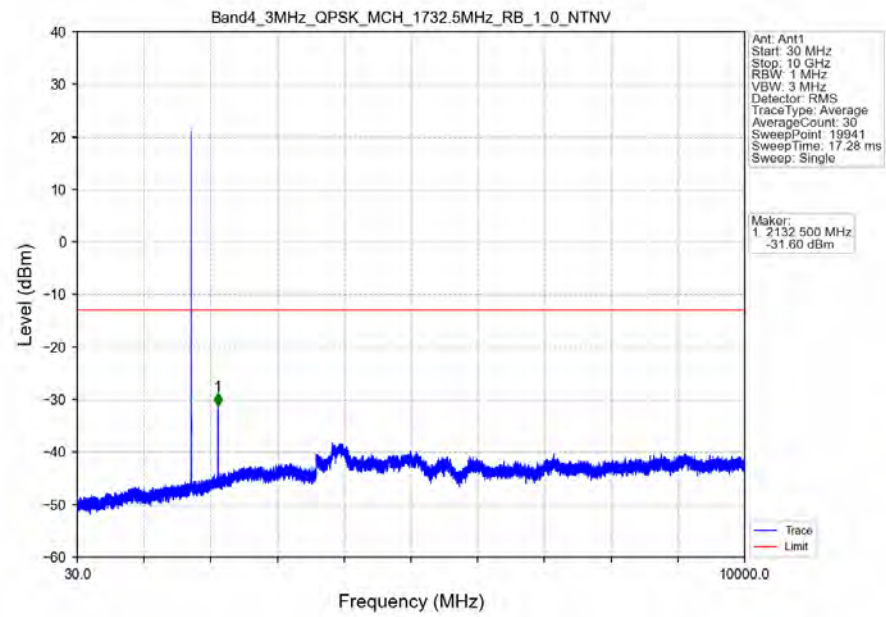
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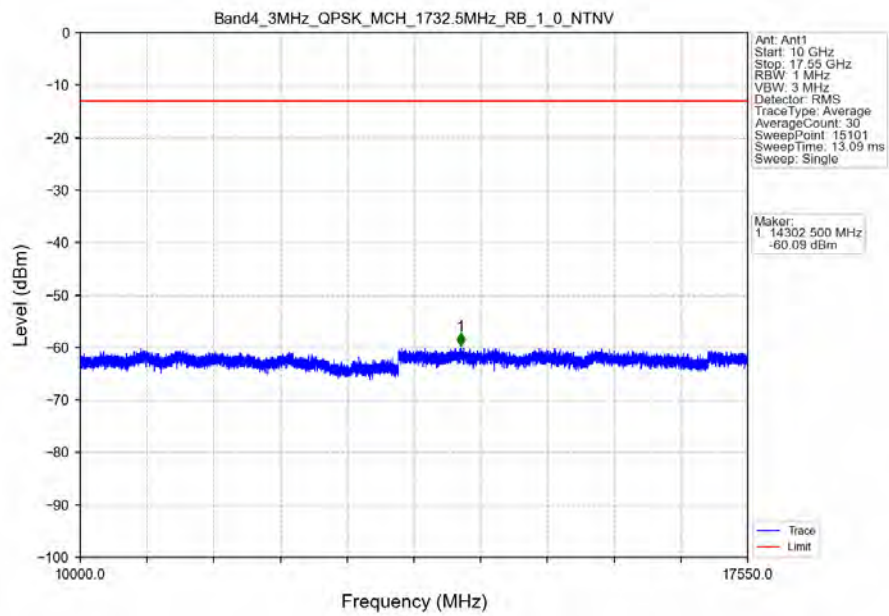
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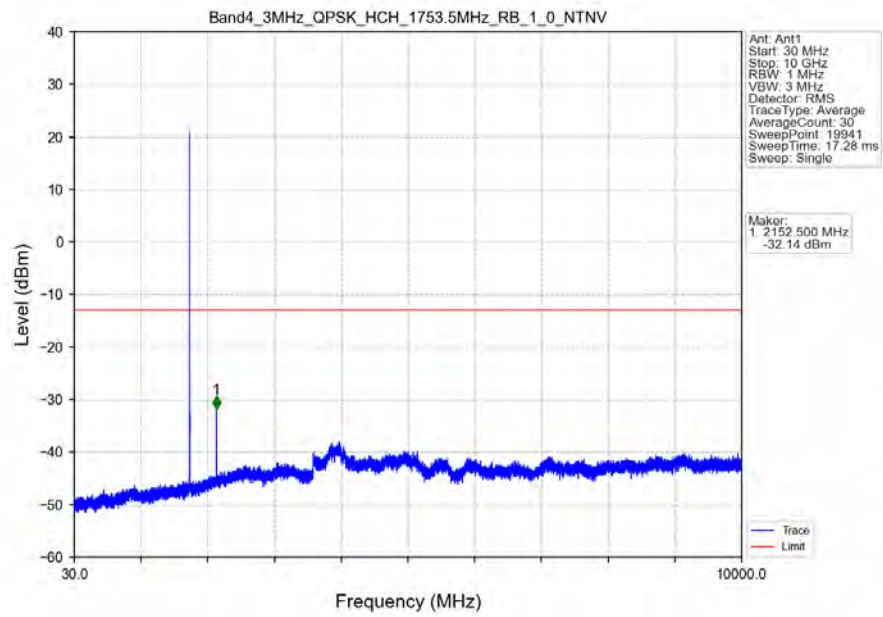
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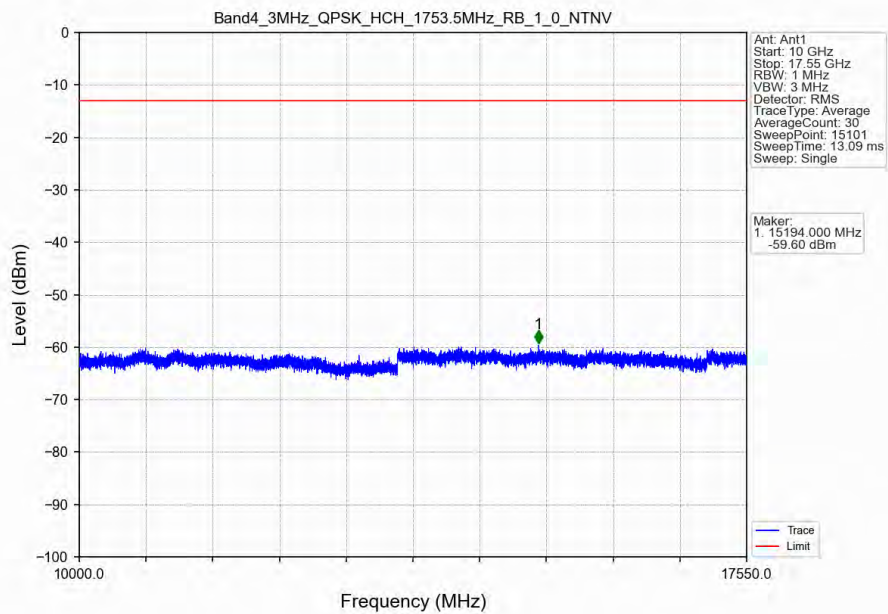
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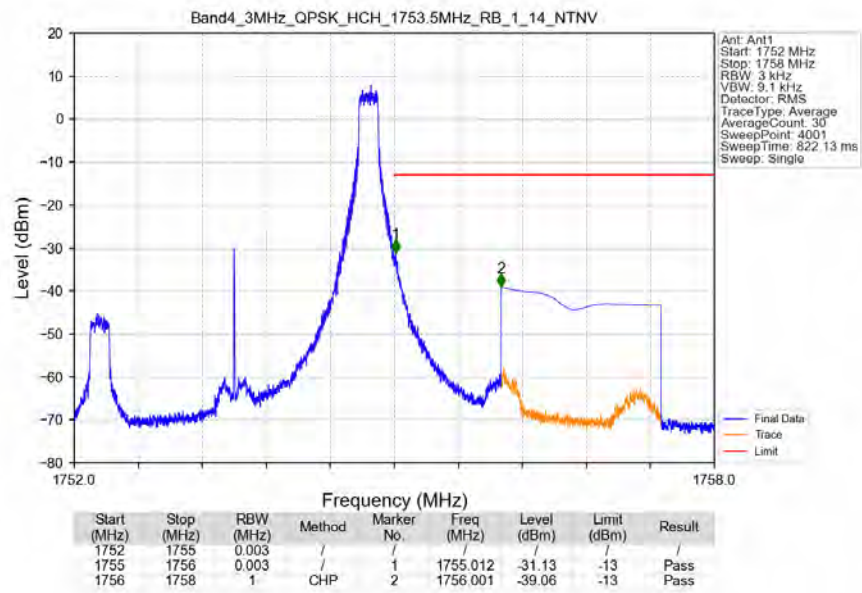
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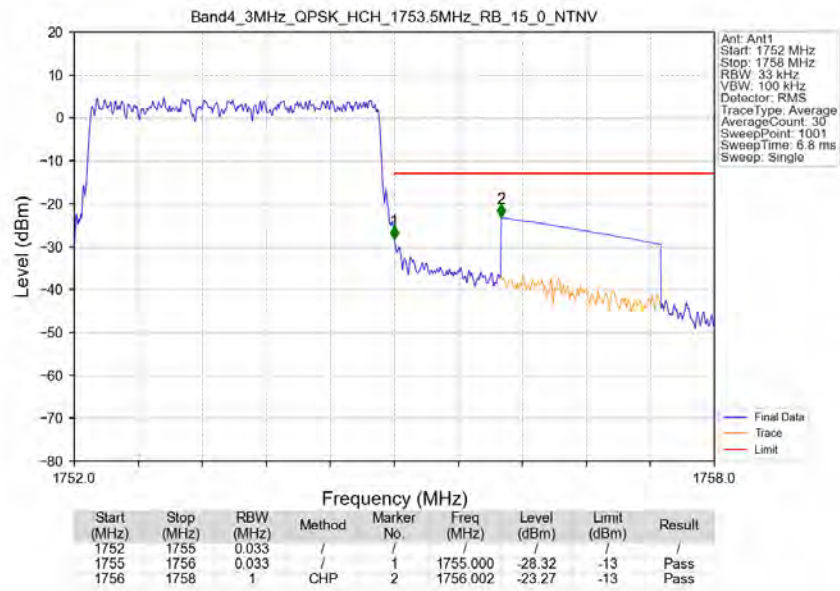
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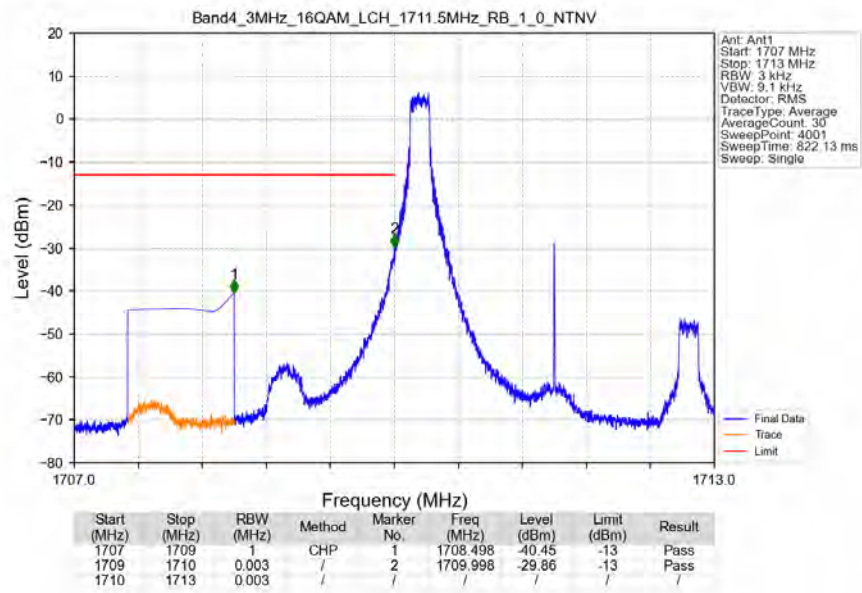
Band4 3MHz QPSK HCH 1753.5MHz RB 1 14 NTV



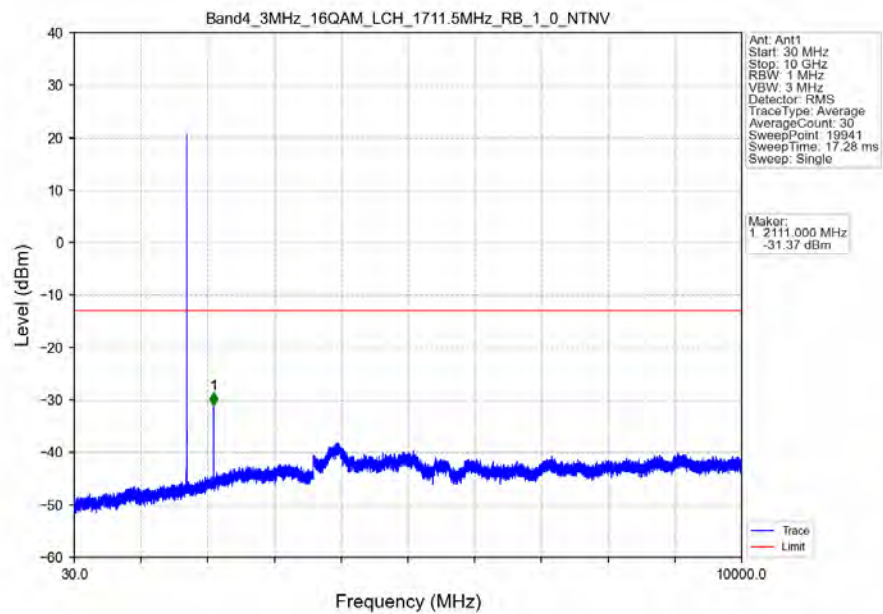
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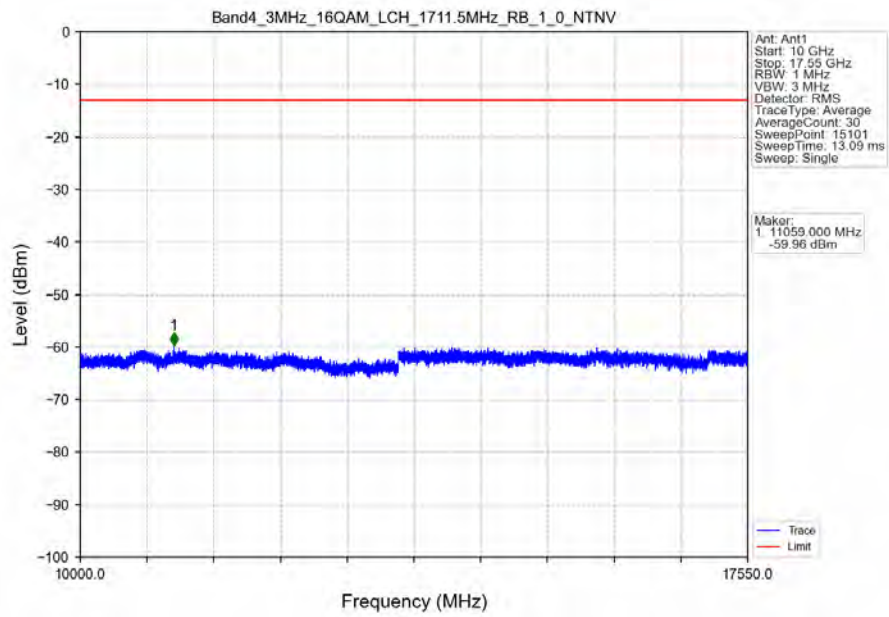
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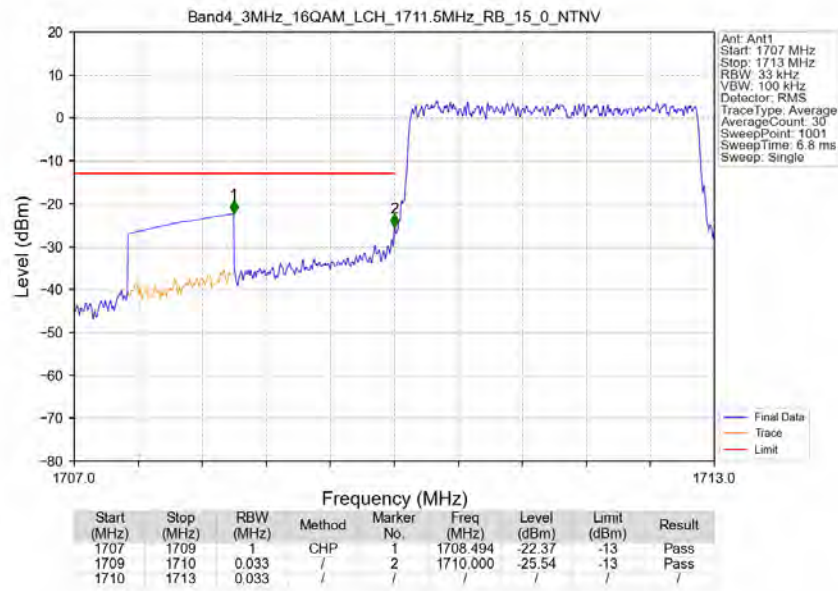
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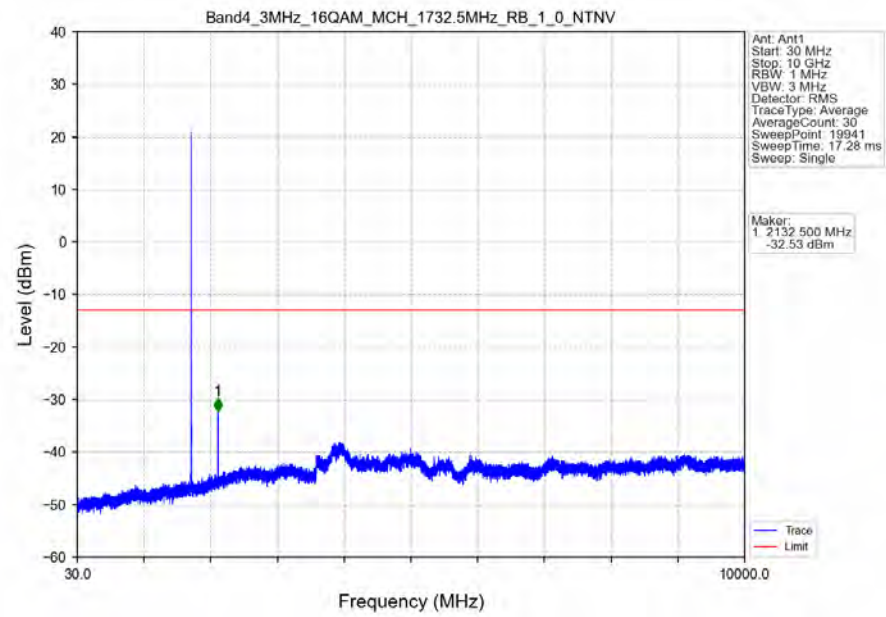
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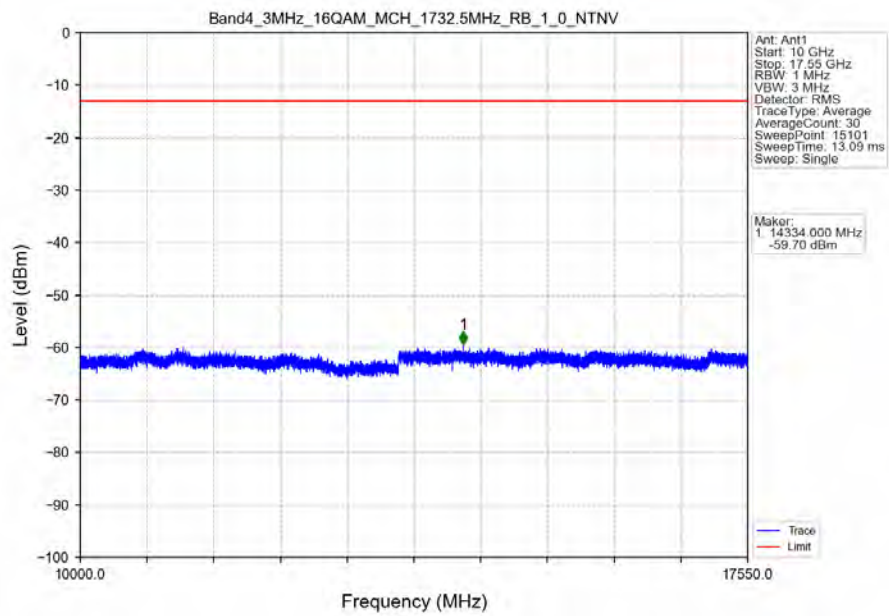
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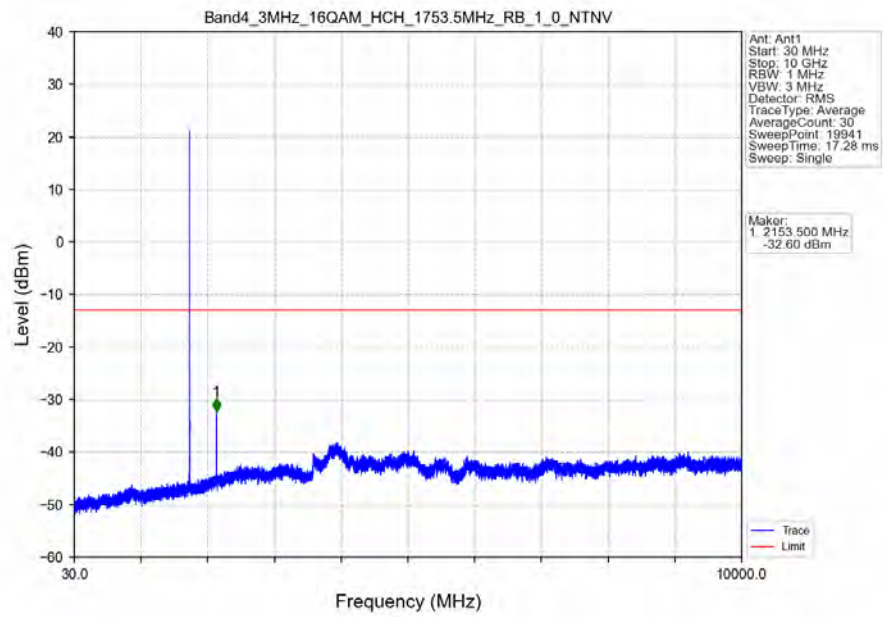
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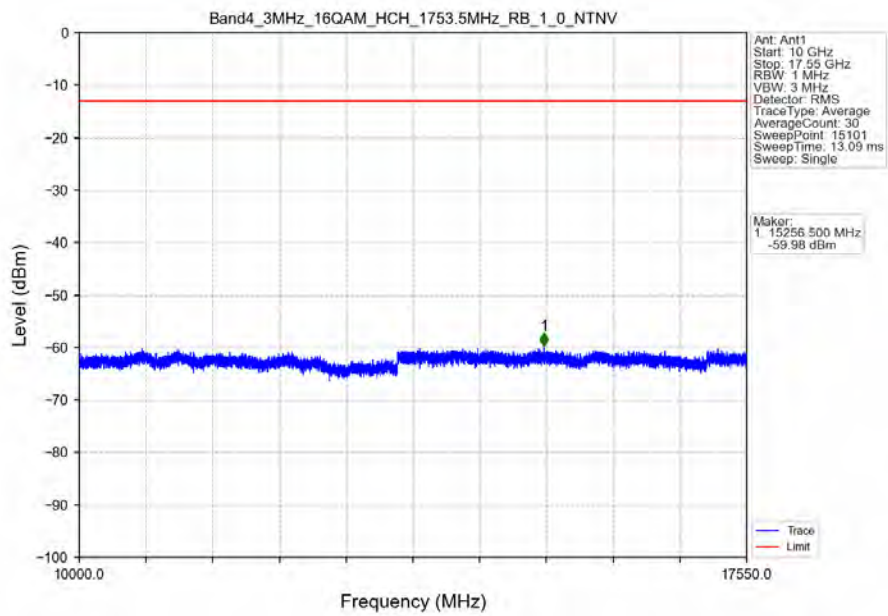
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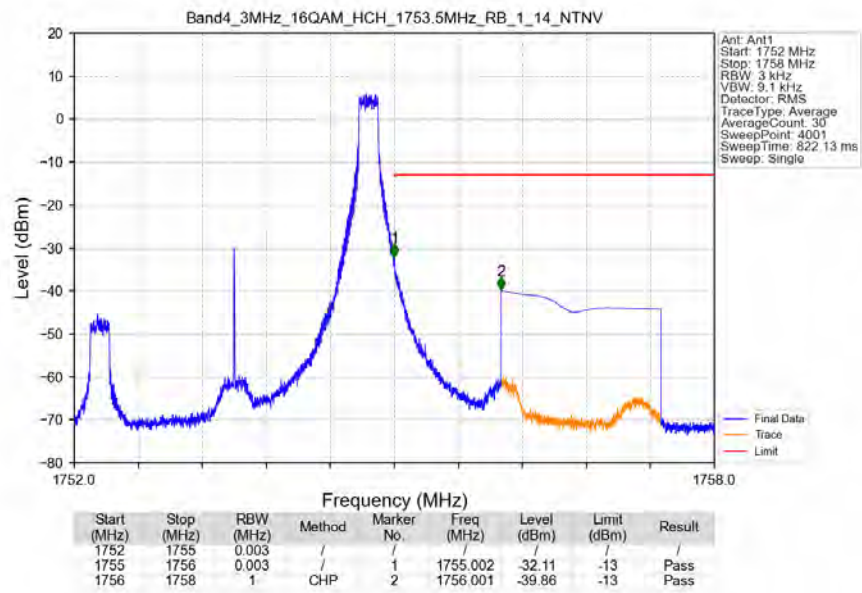
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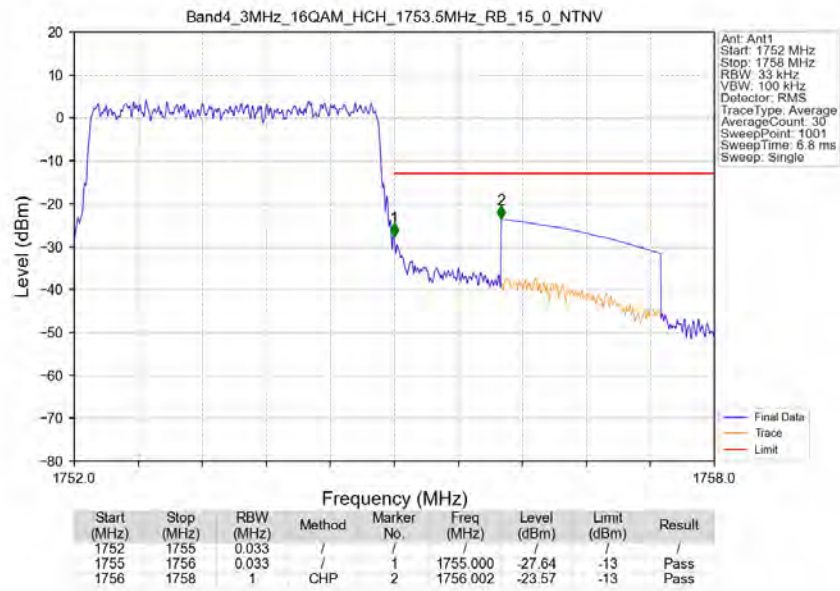
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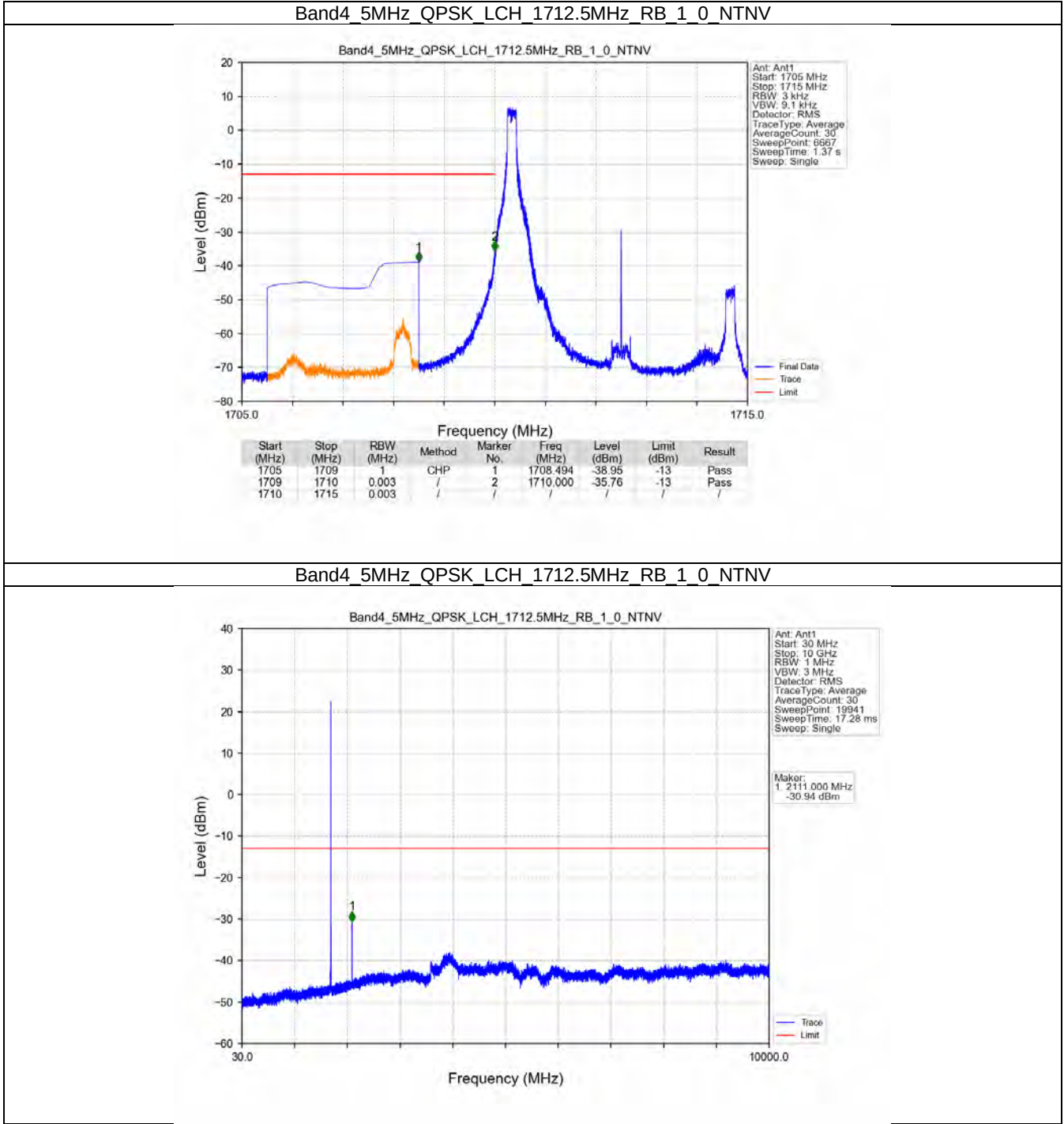
Band4 3MHz 16QAM HCH 1753.5MHz RB 1 14 NTNV



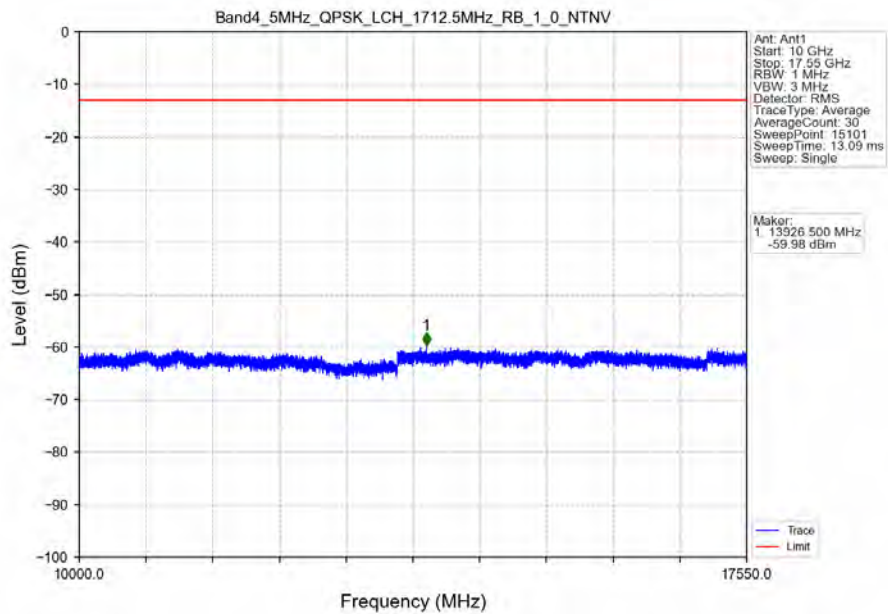
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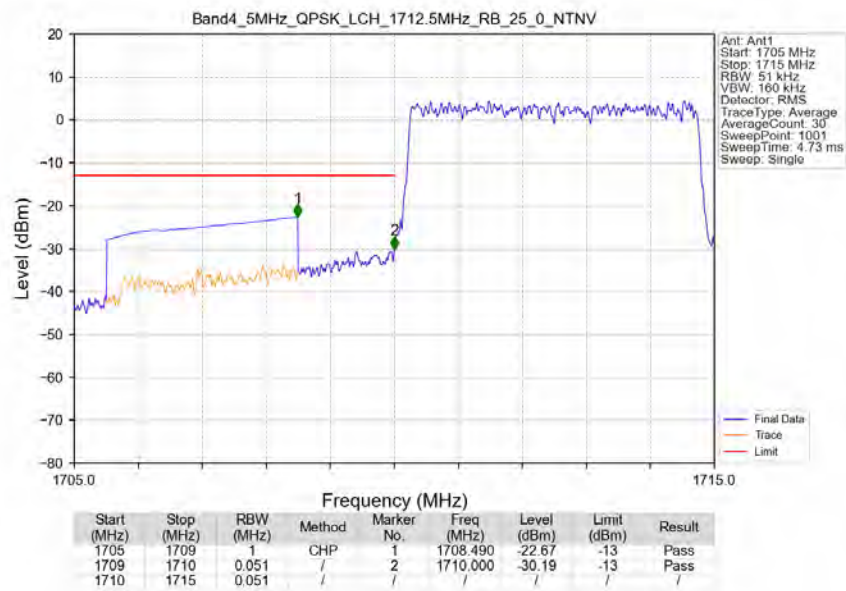
5.2.3 B4_5MHz



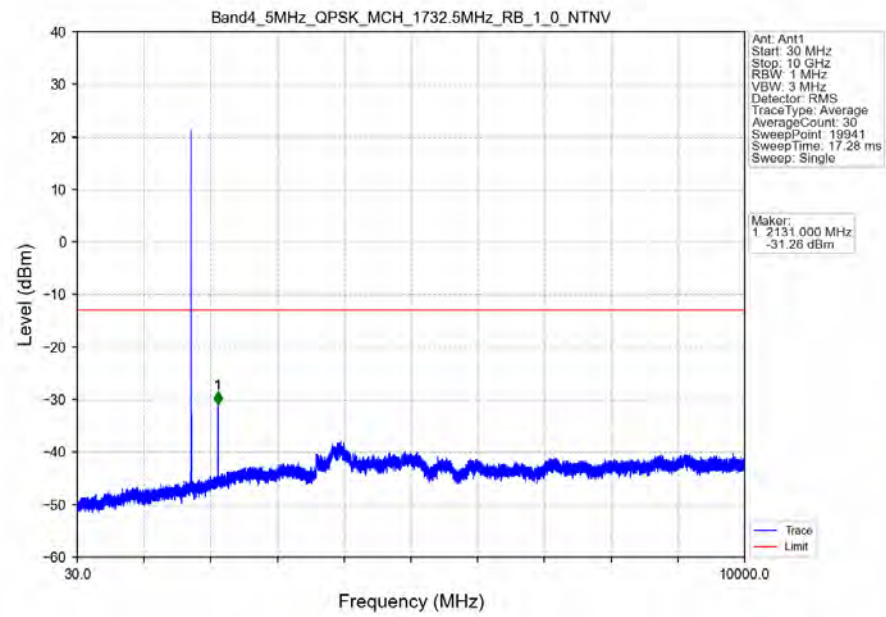
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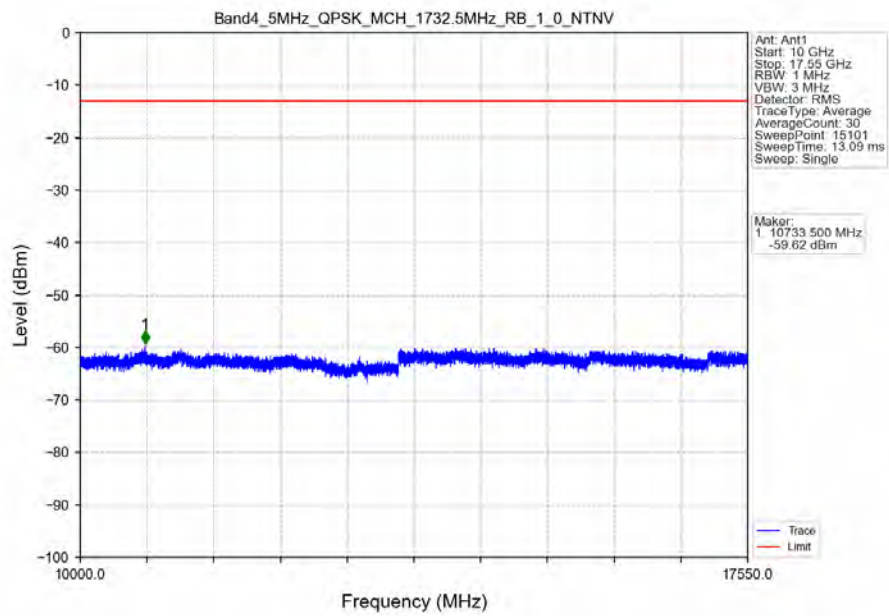
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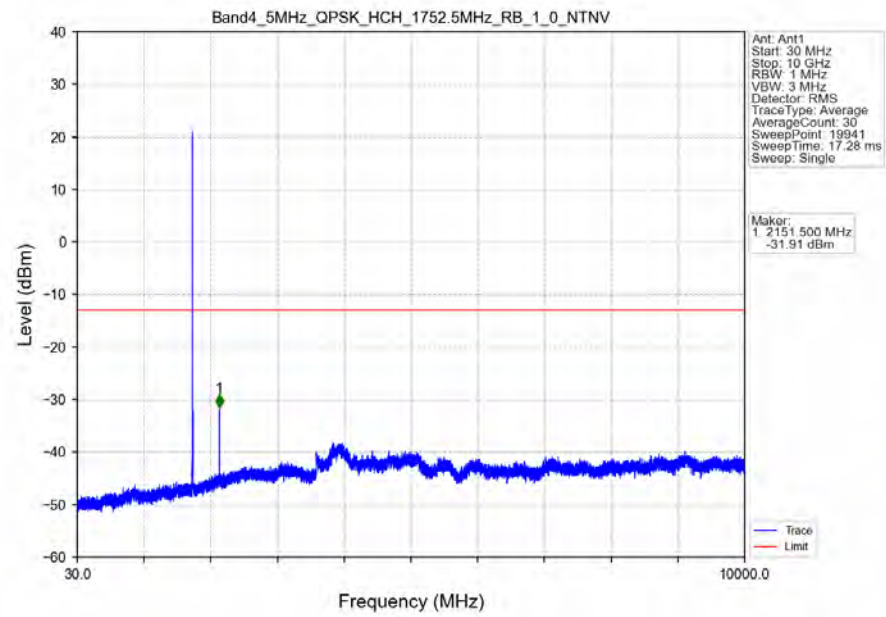
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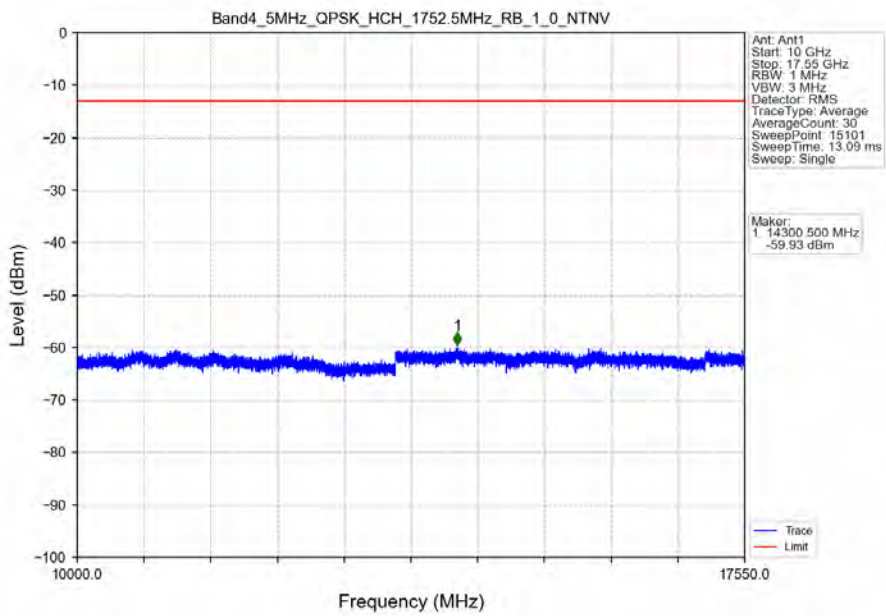
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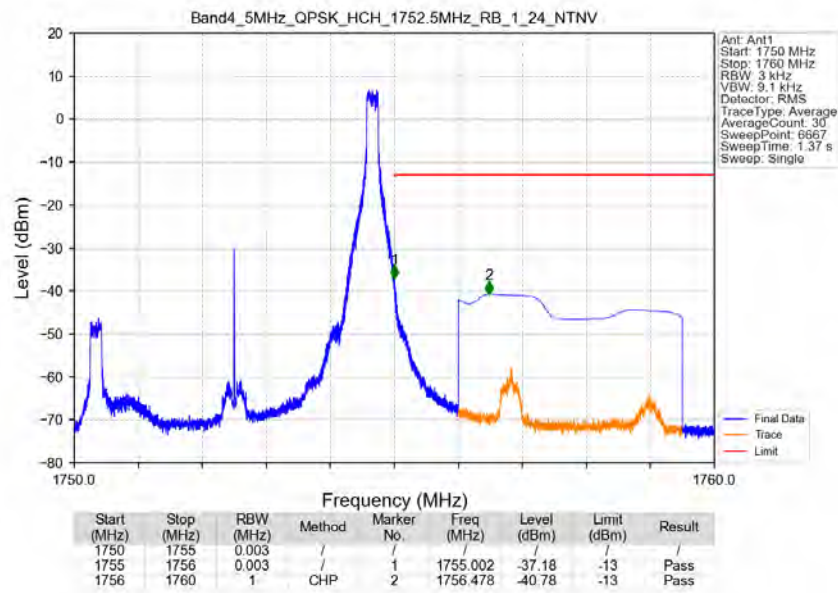
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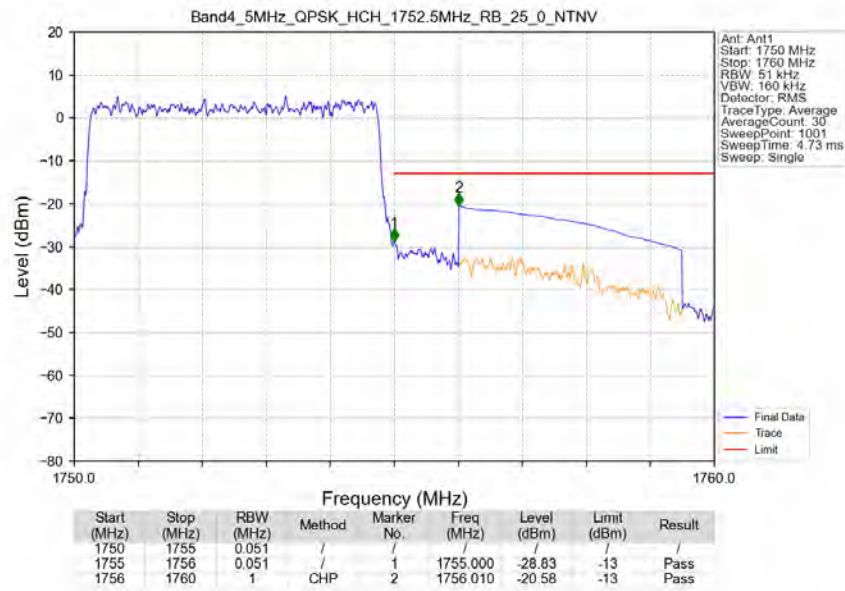
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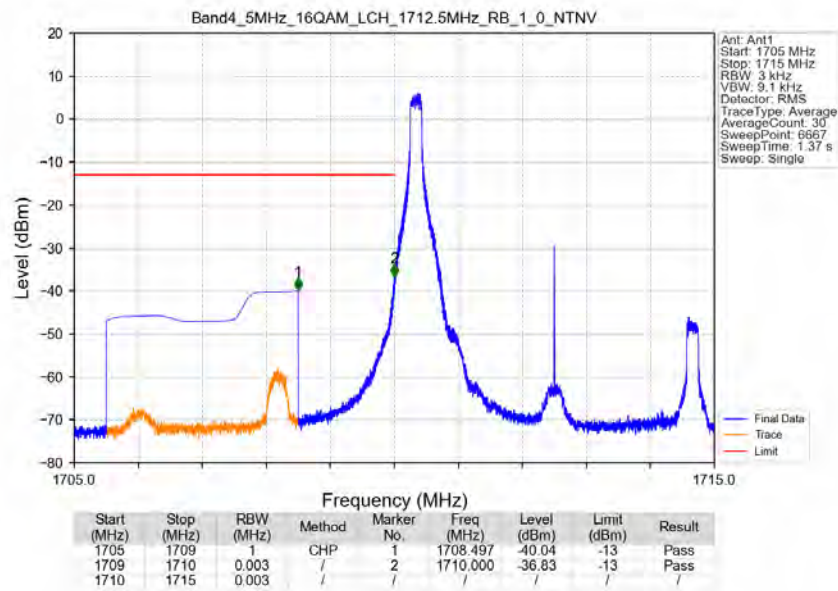
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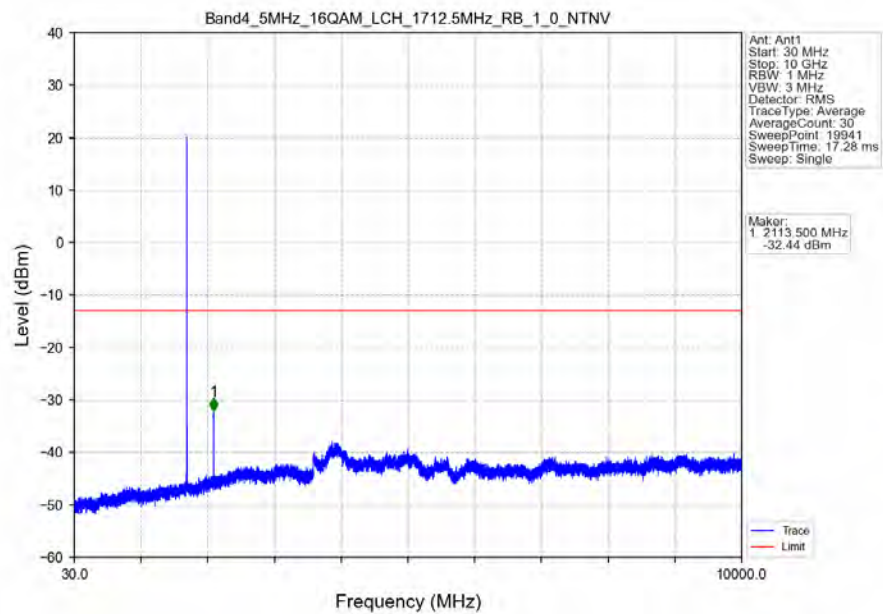
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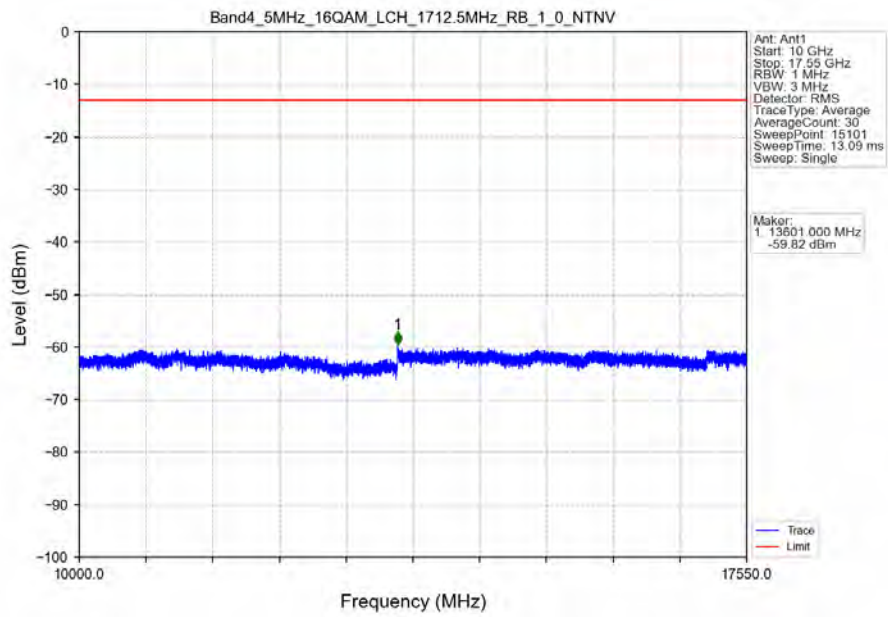
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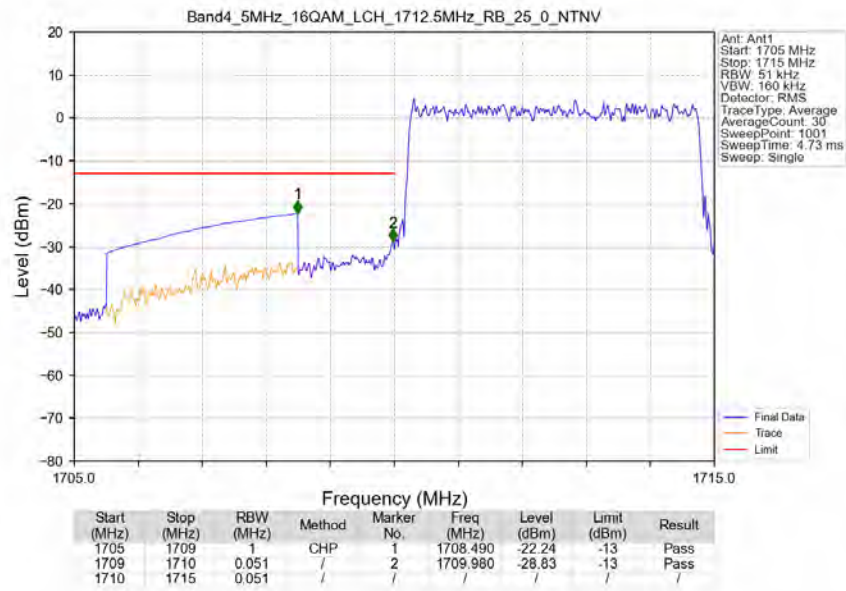
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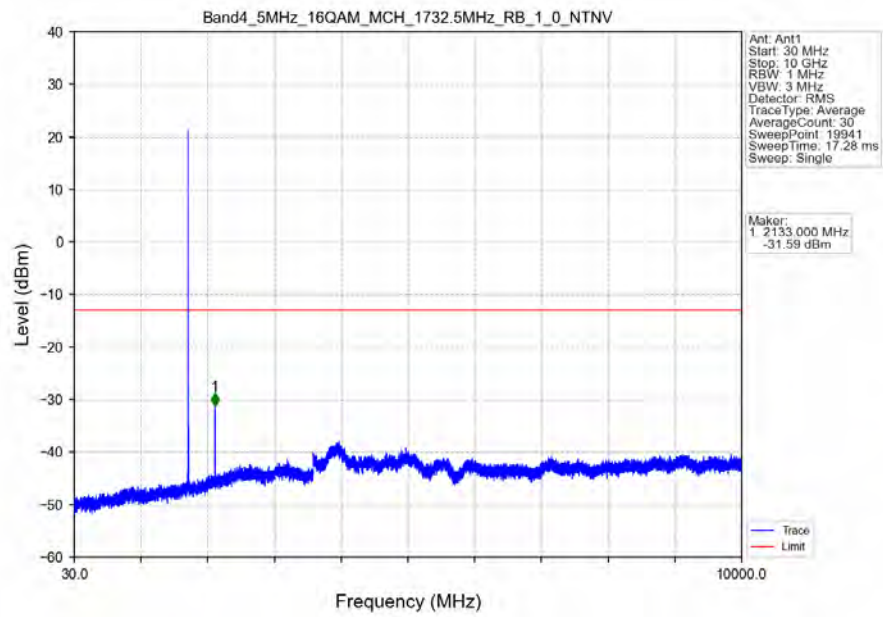
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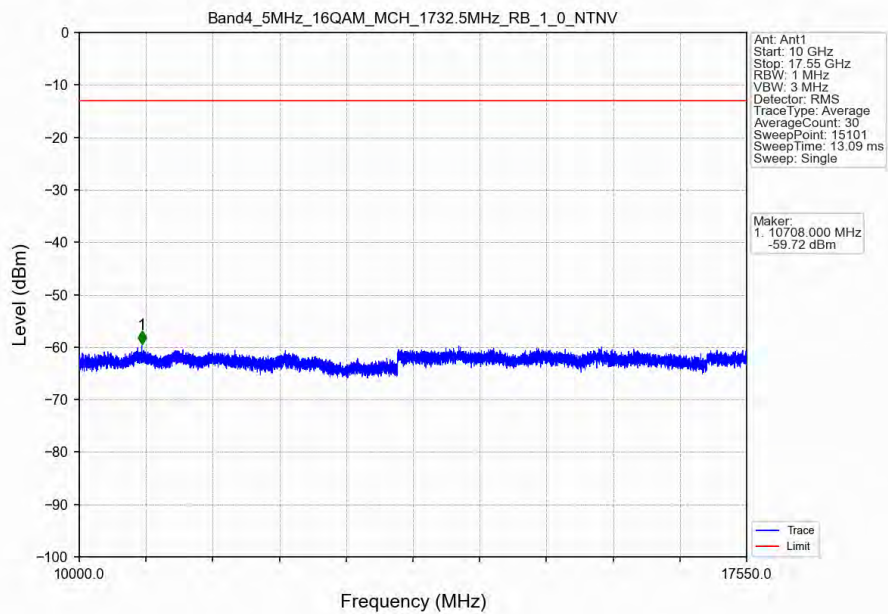
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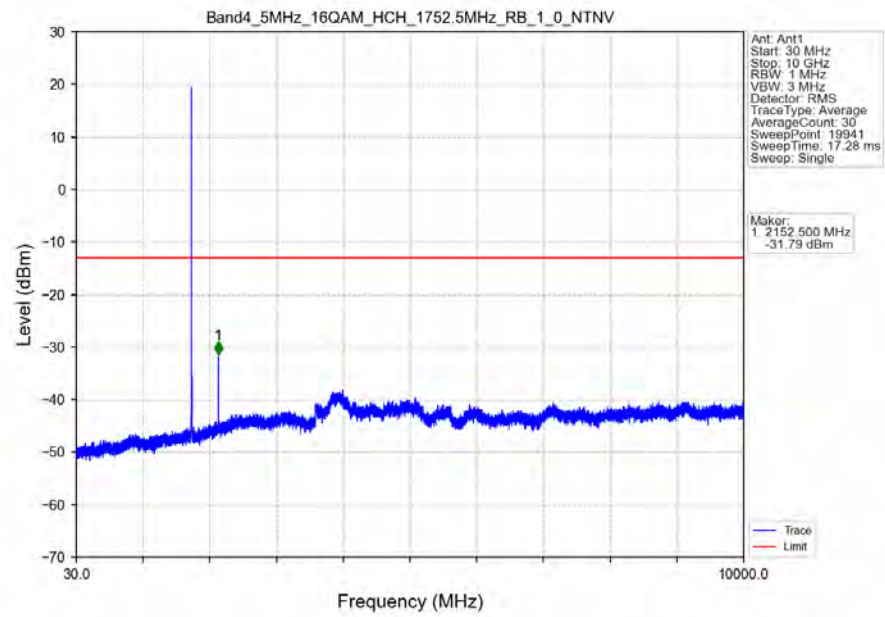
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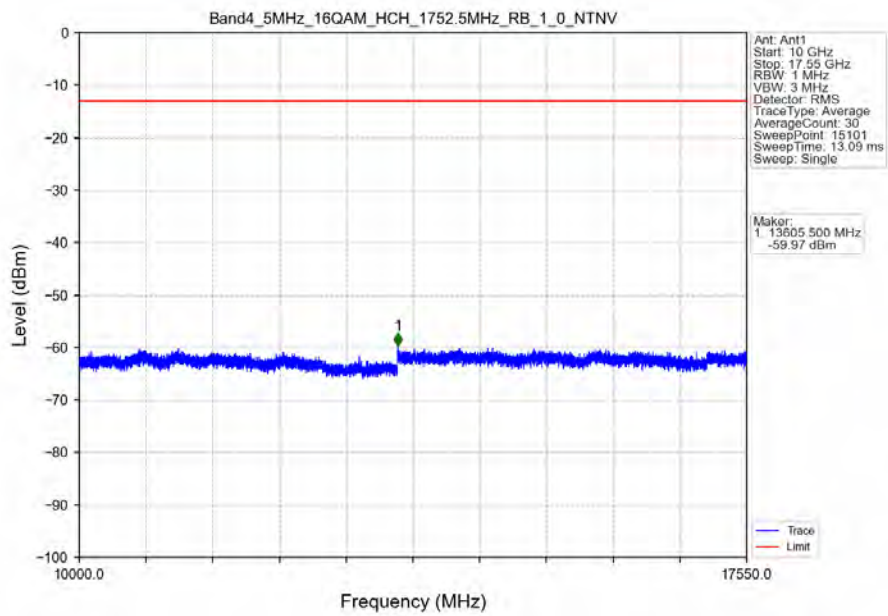
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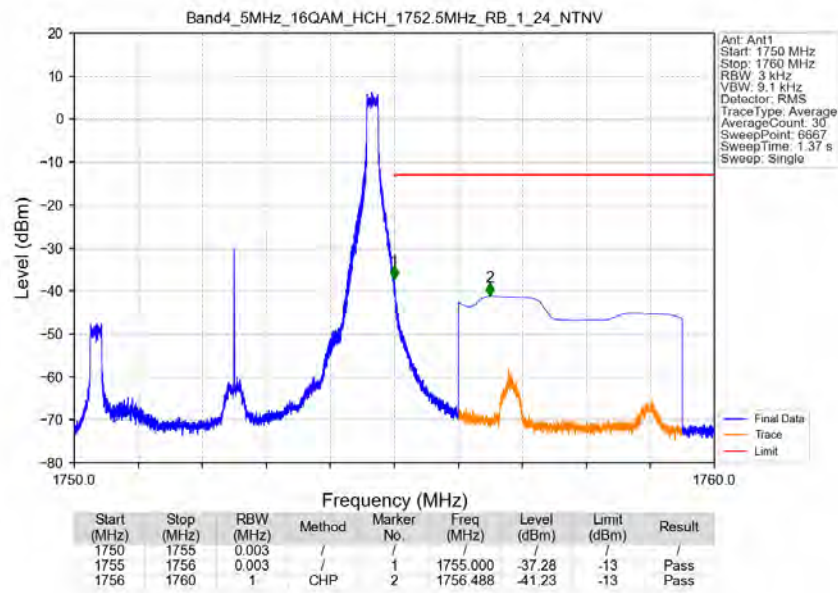
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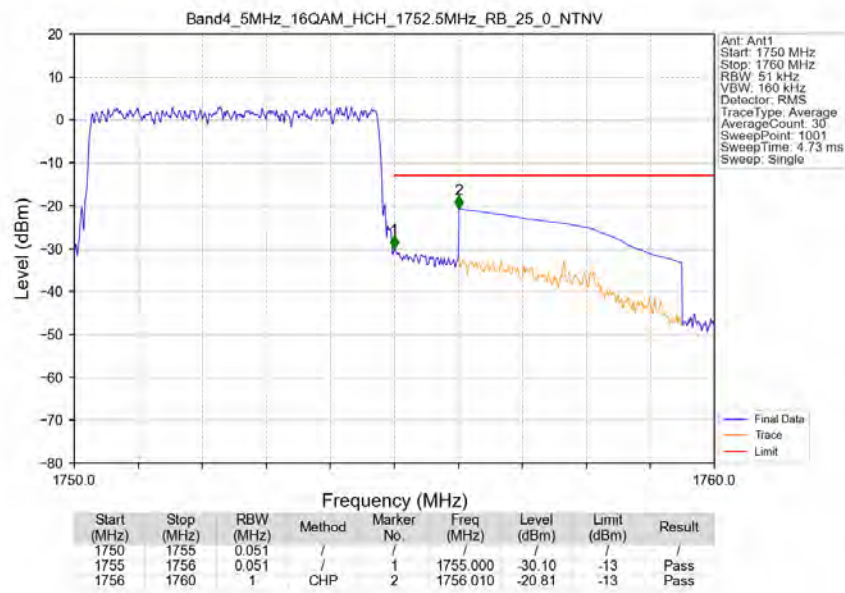
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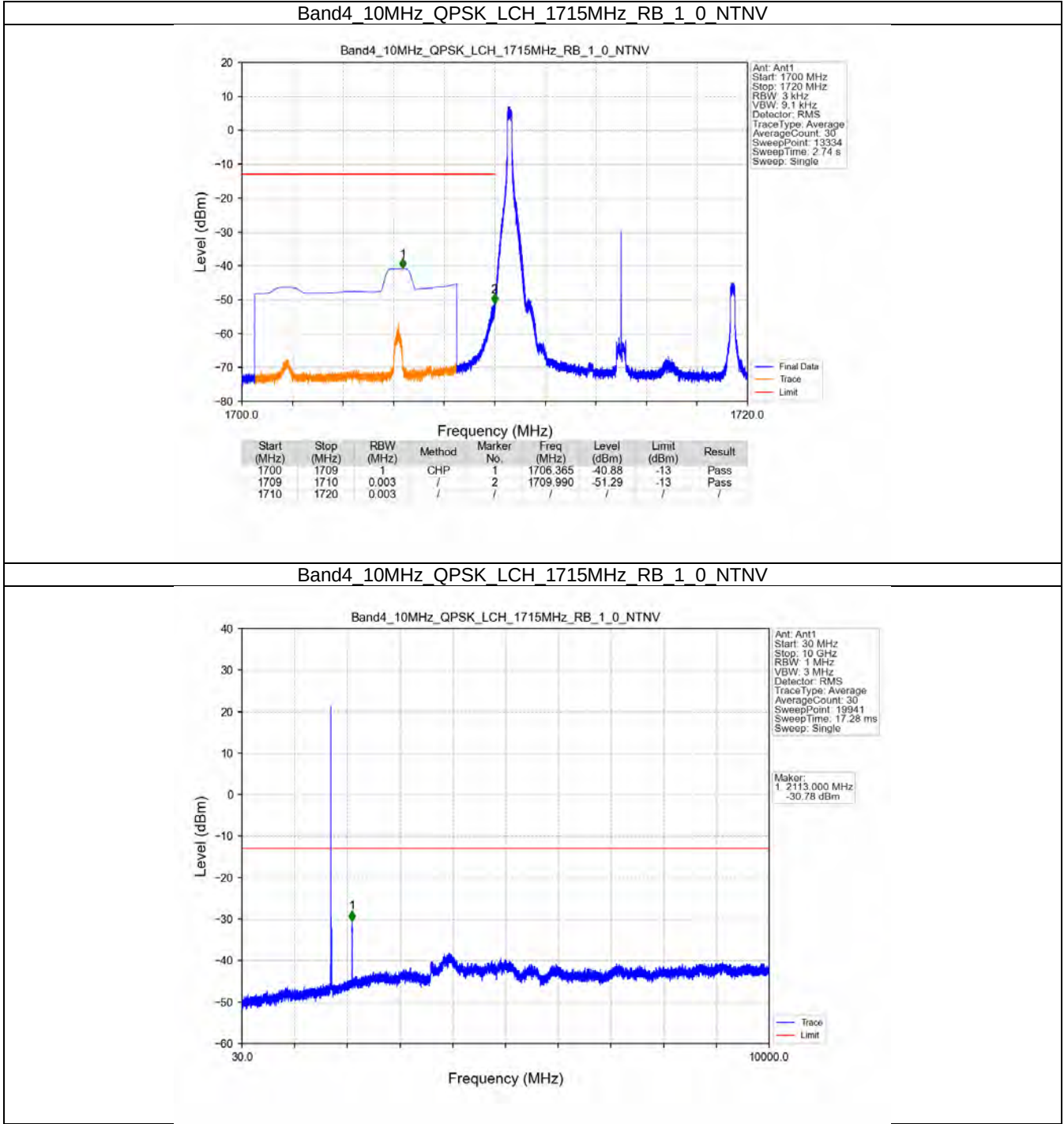
Band4 5MHz 16QAM HCH 1752.5MHz RB 1 24 NTNV



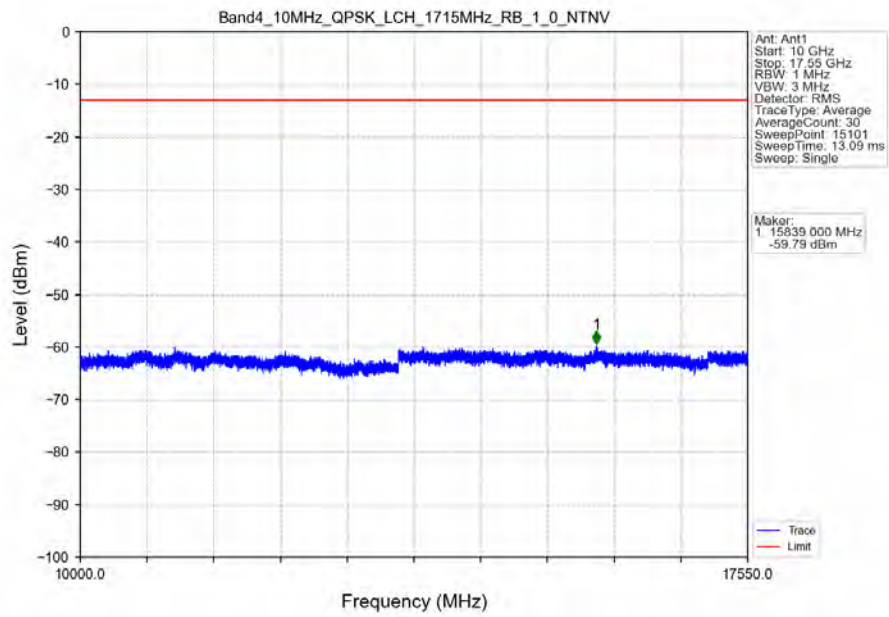
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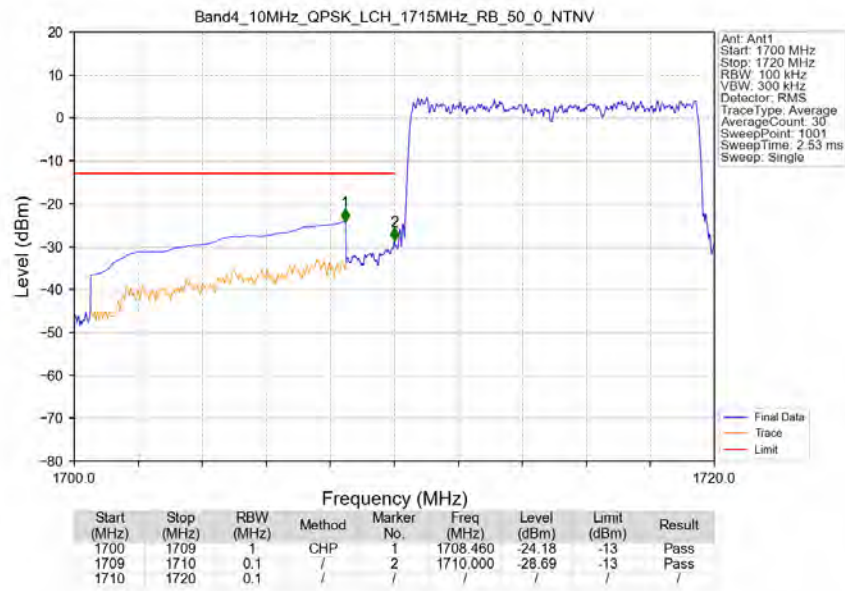
5.2.4 B4_10MHz



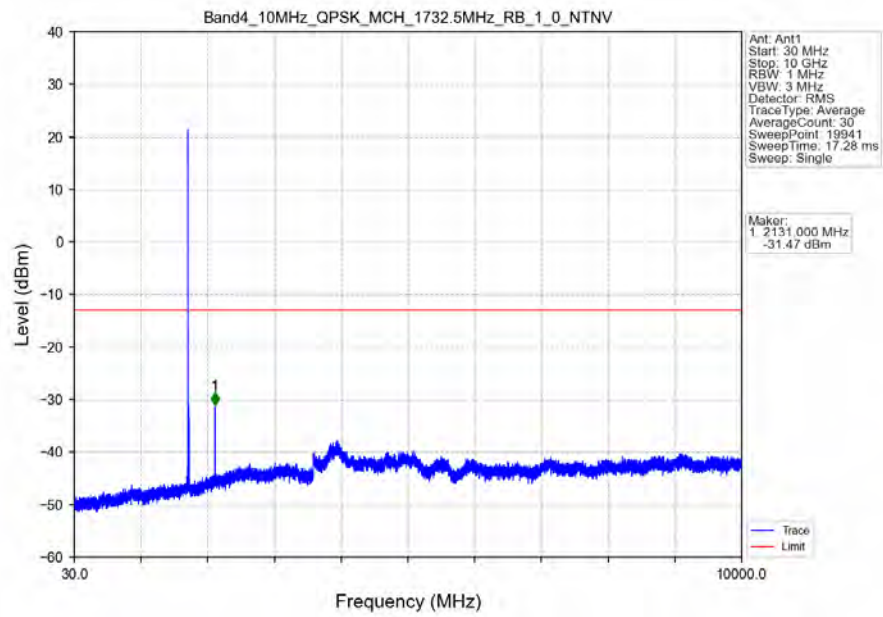
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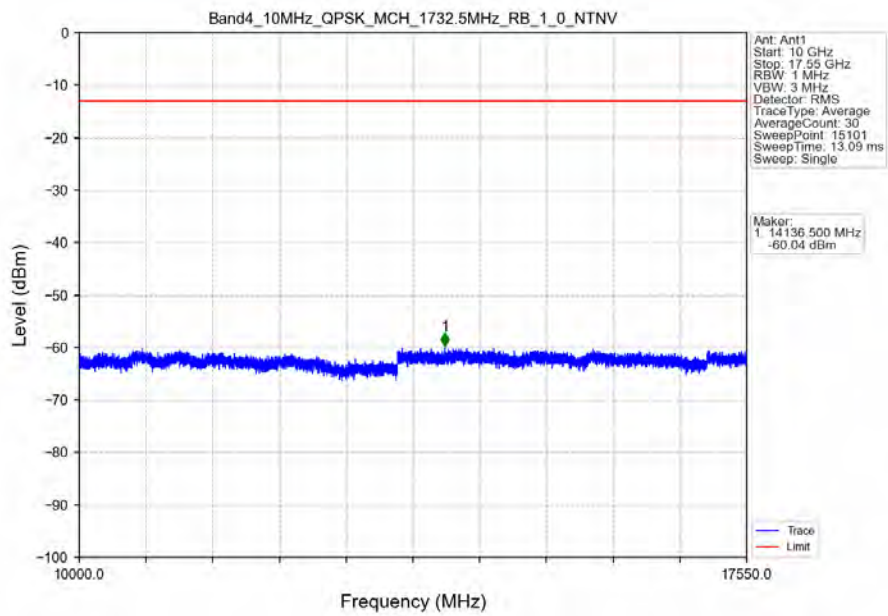
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



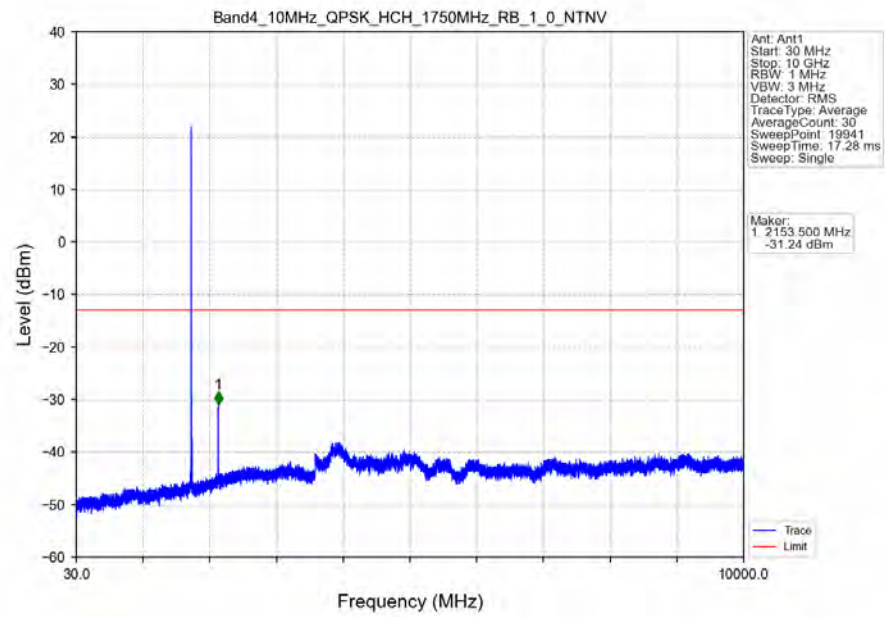
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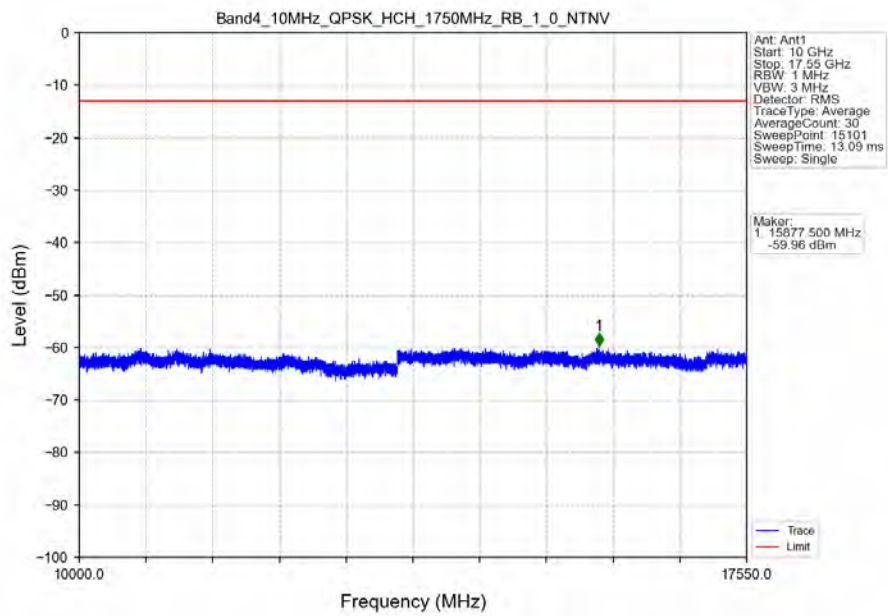
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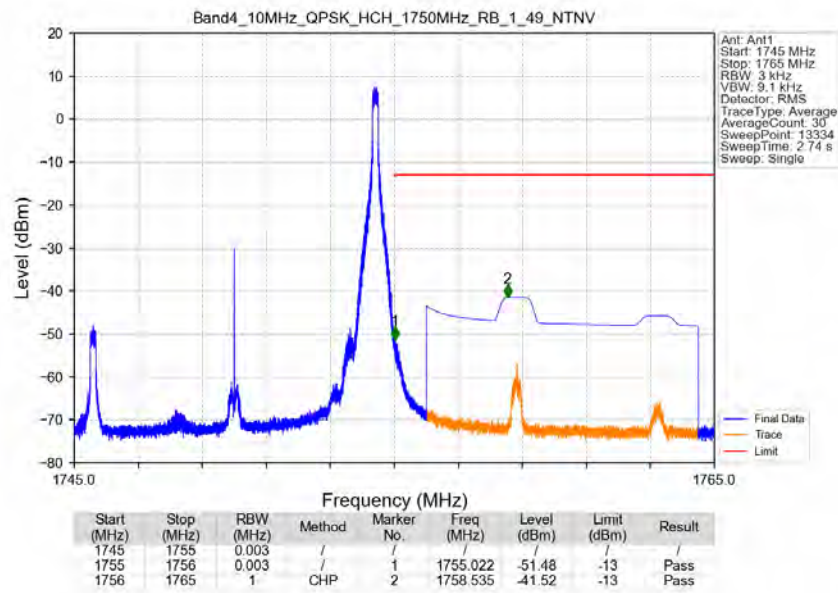
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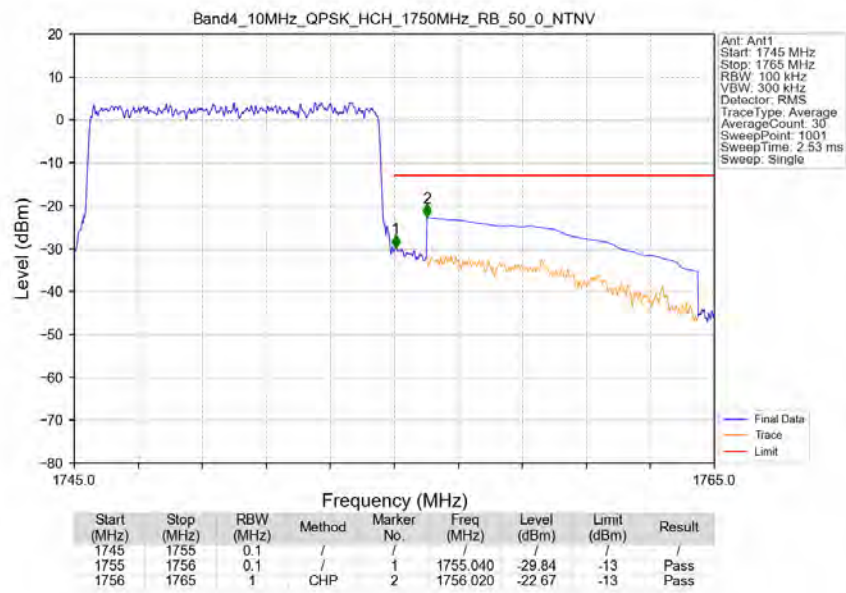
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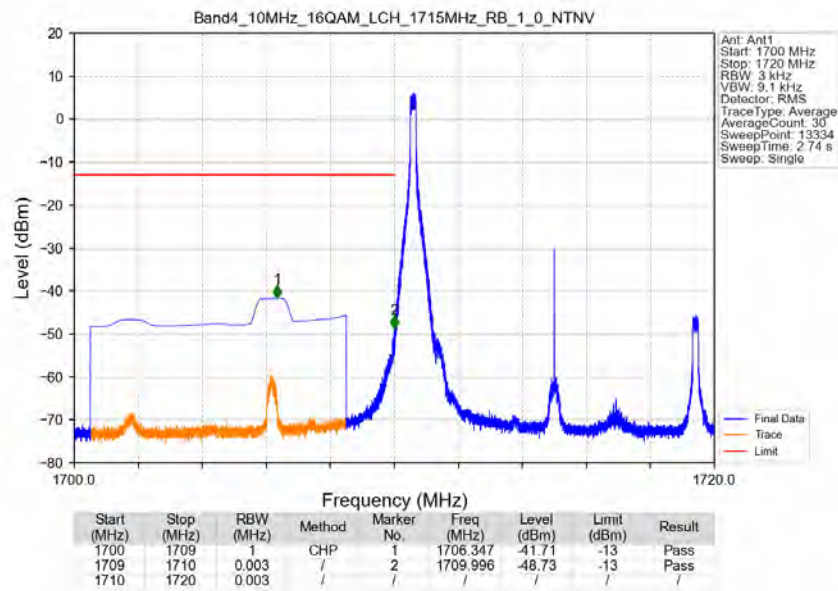
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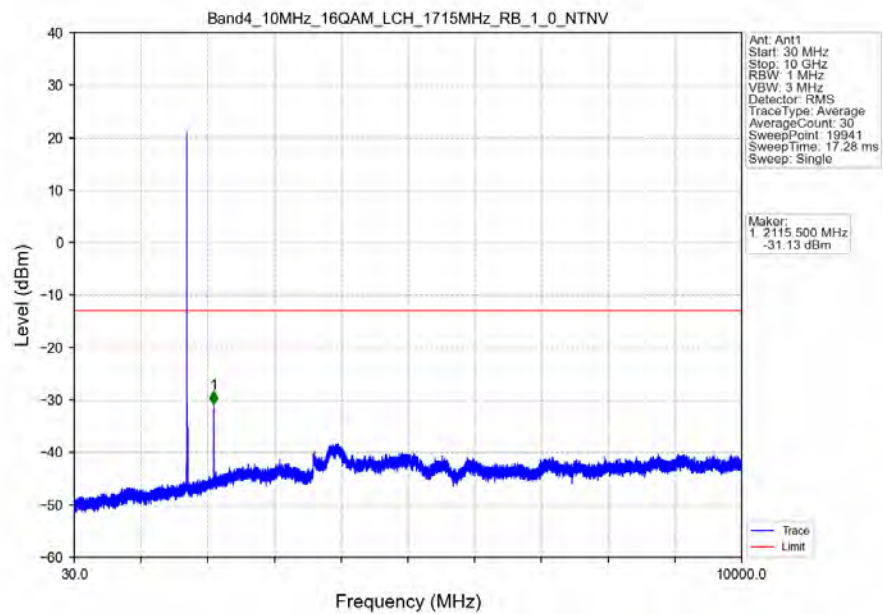
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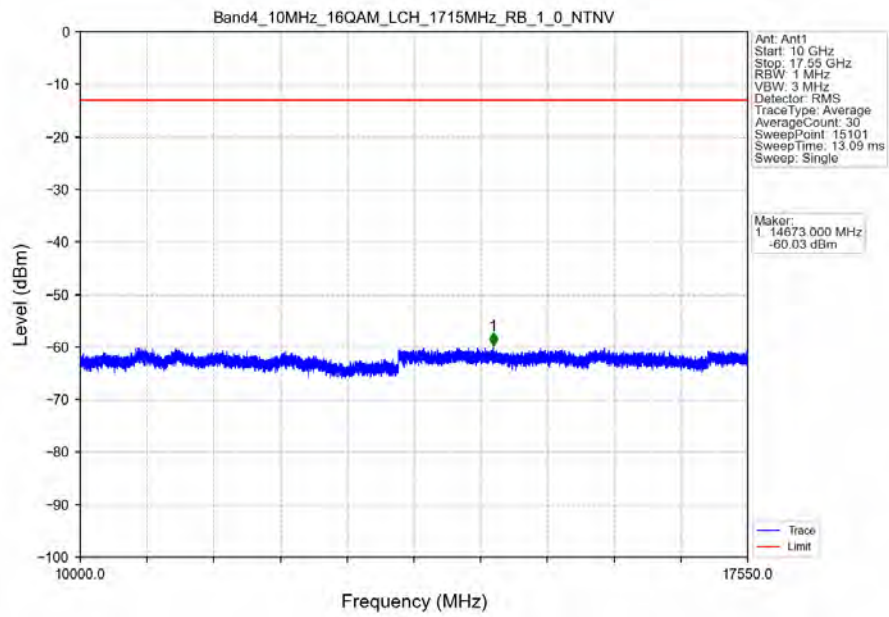
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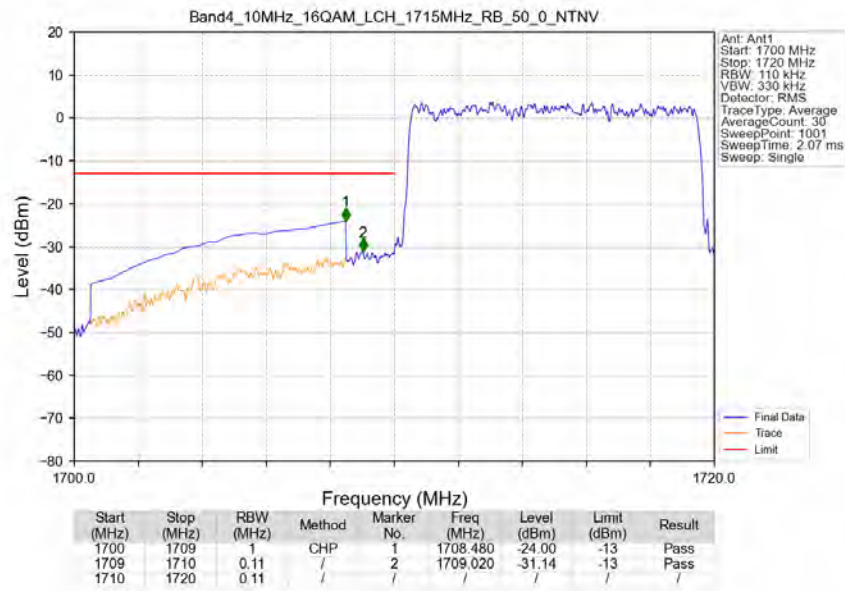
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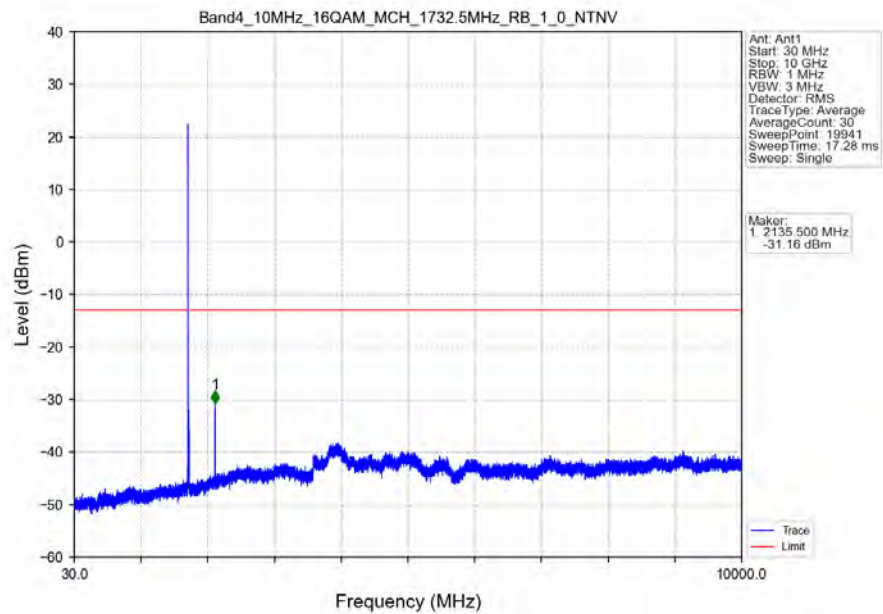
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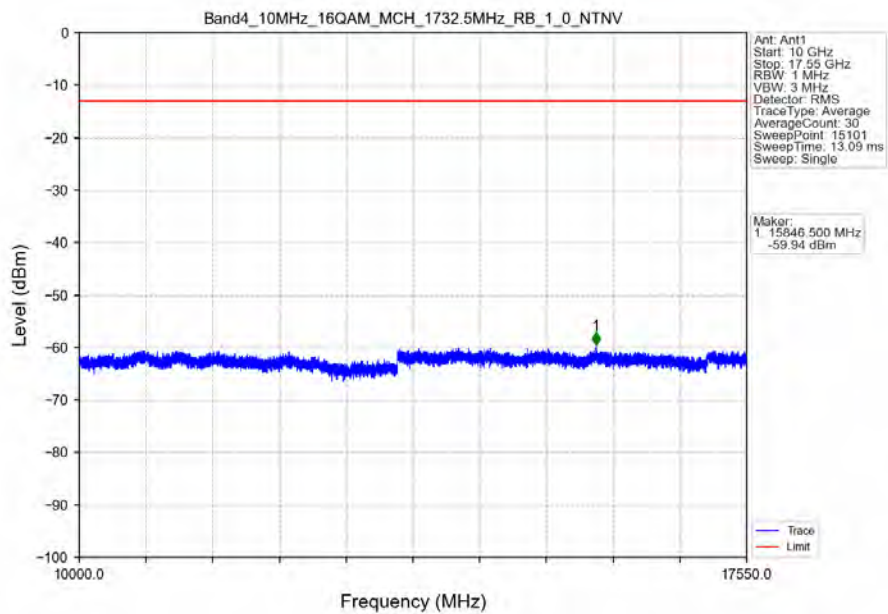
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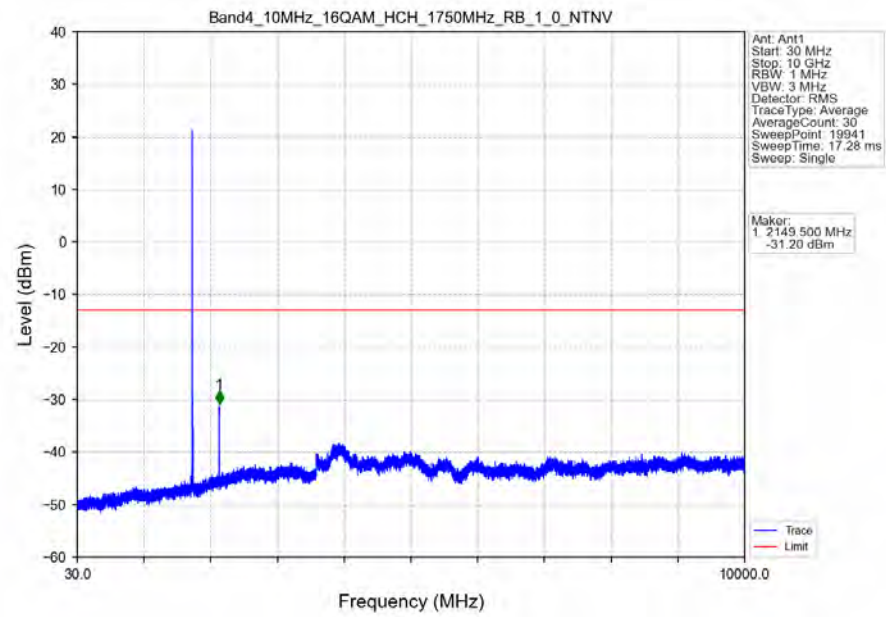
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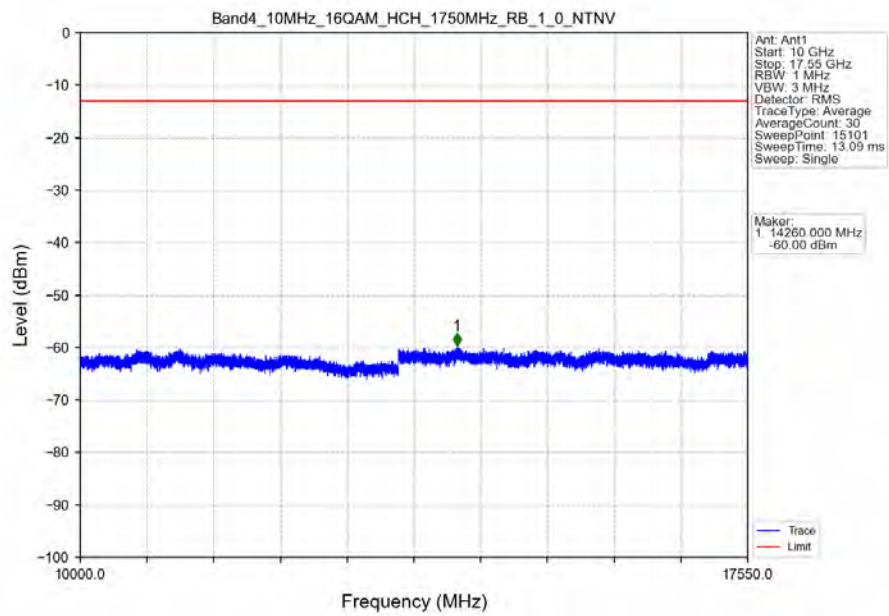
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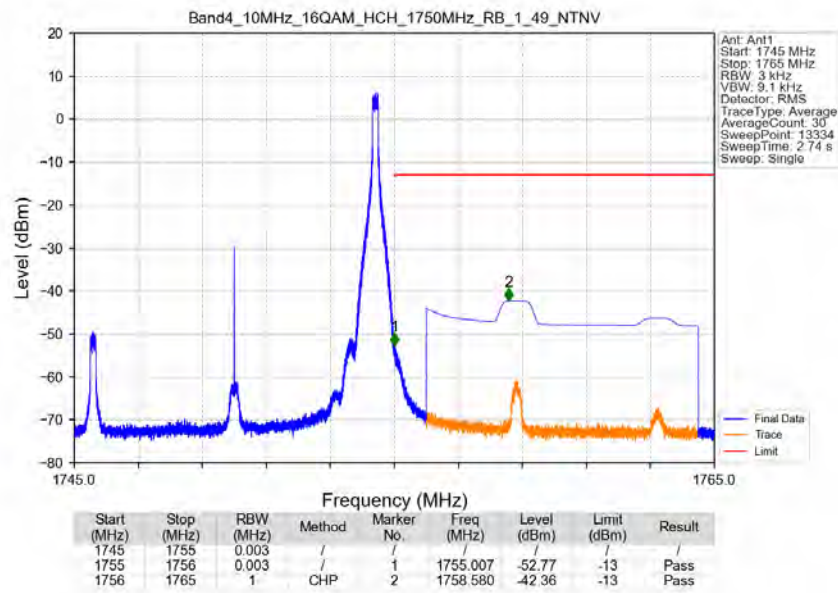
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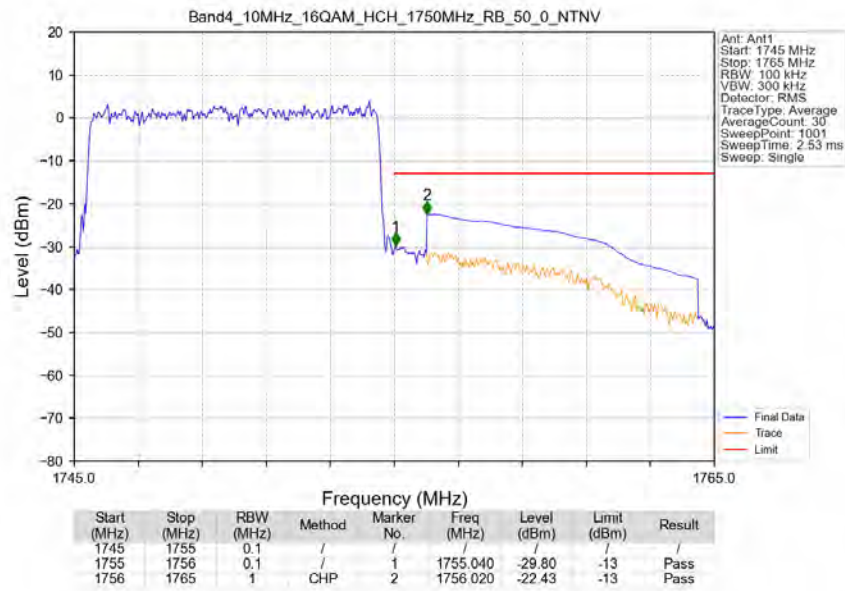
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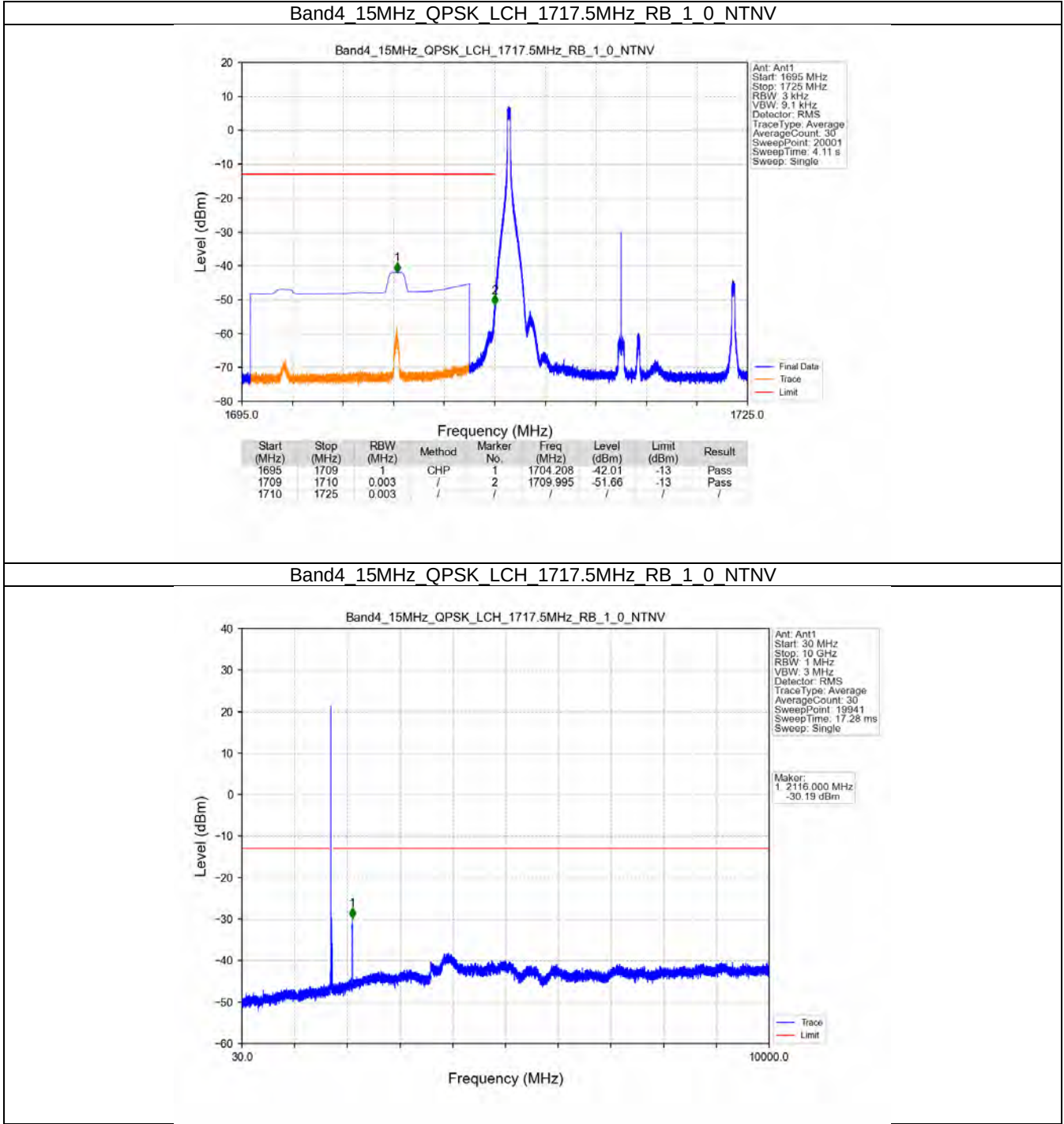
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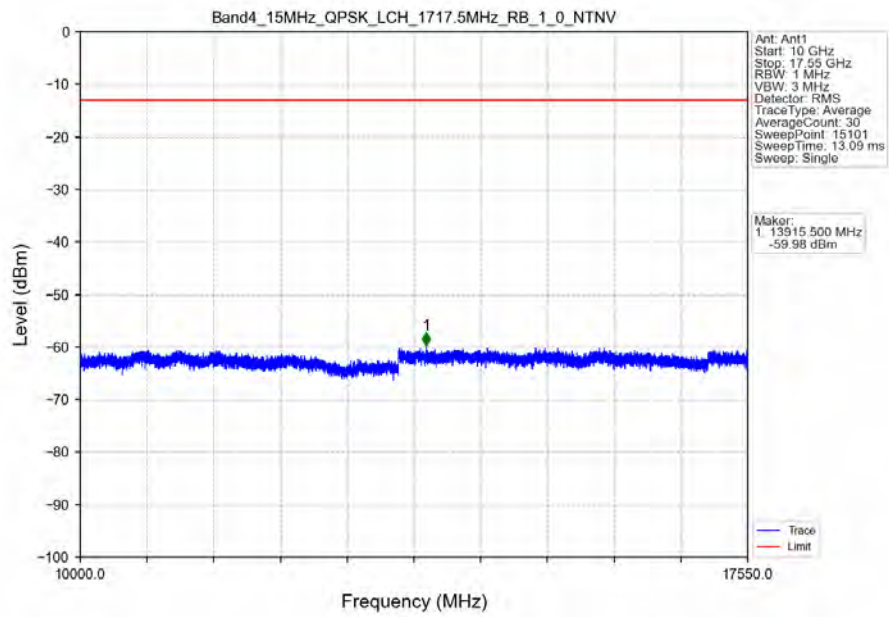
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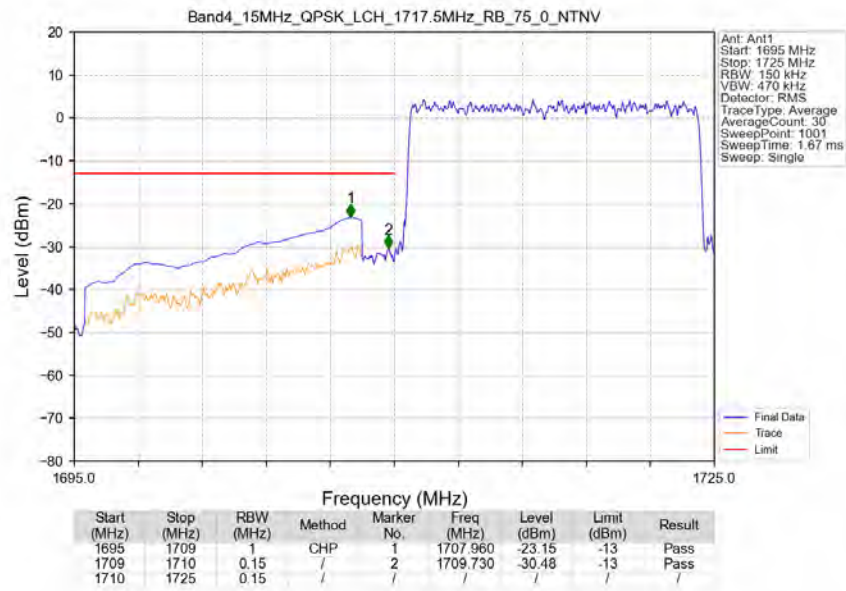
5.2.5 B4_15MHz



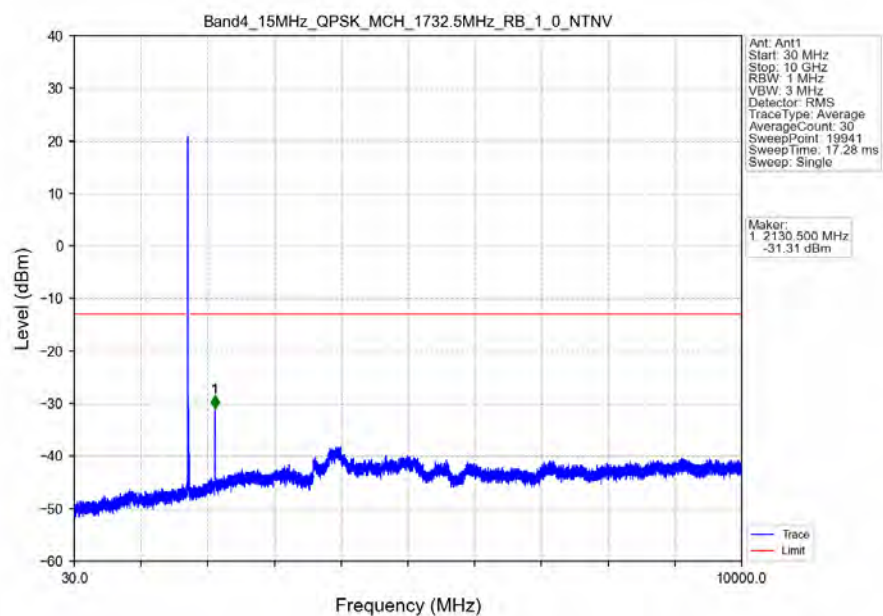
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_1_0_NTNV



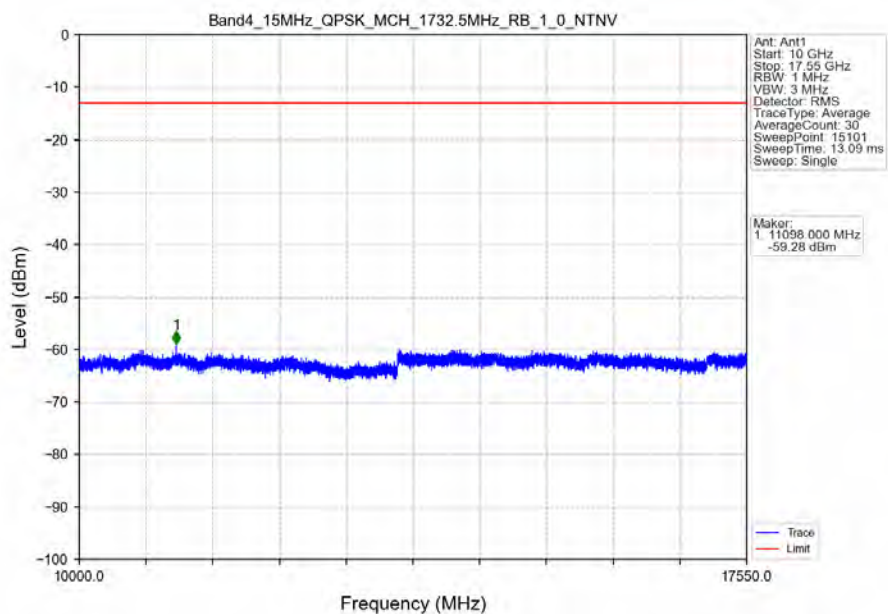
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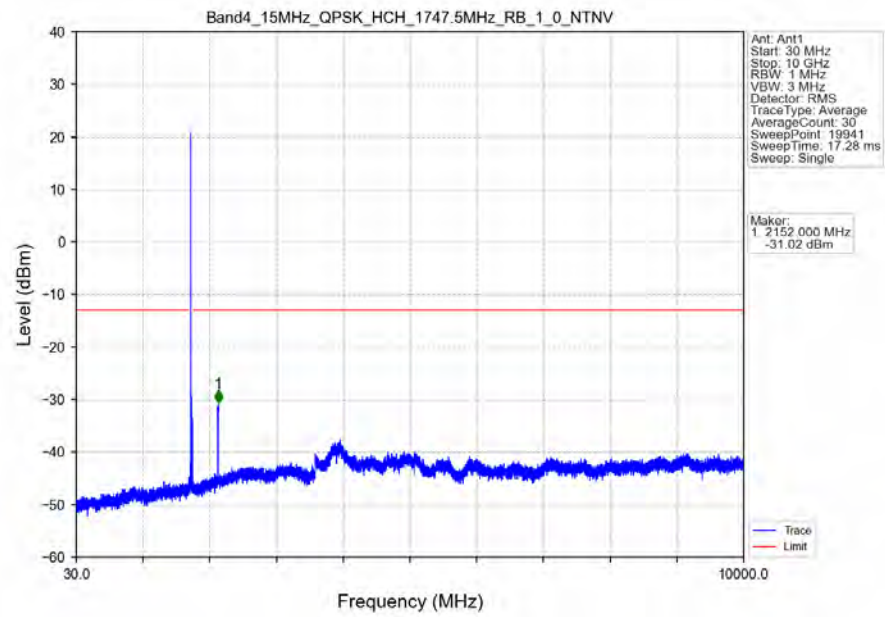
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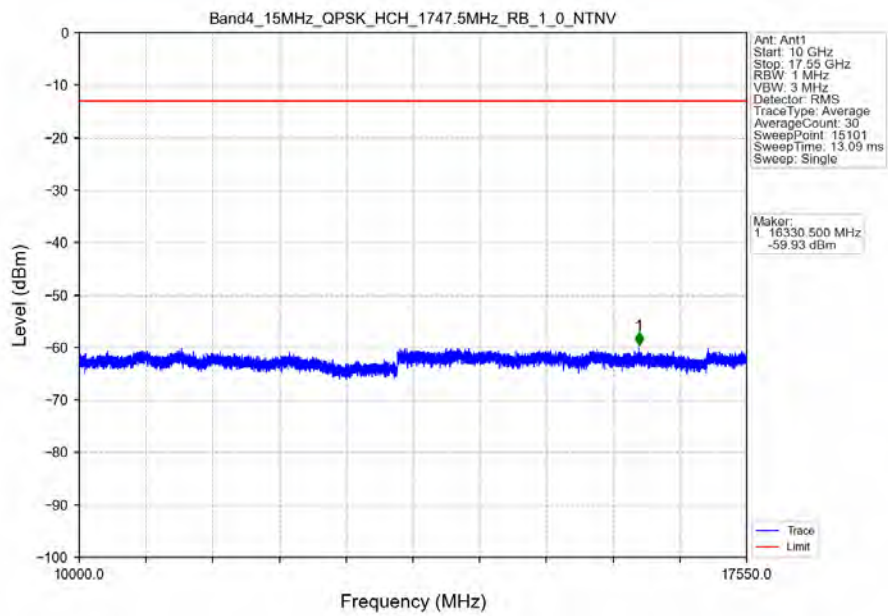
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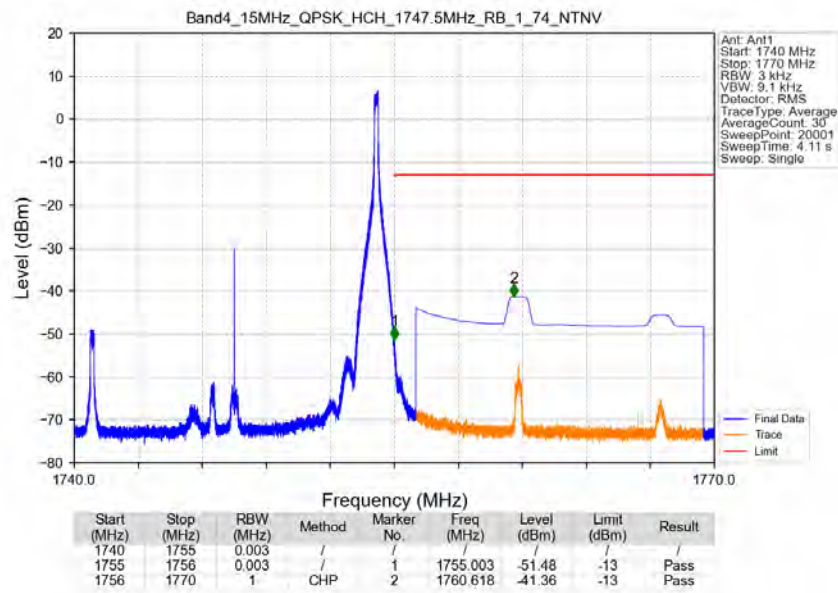
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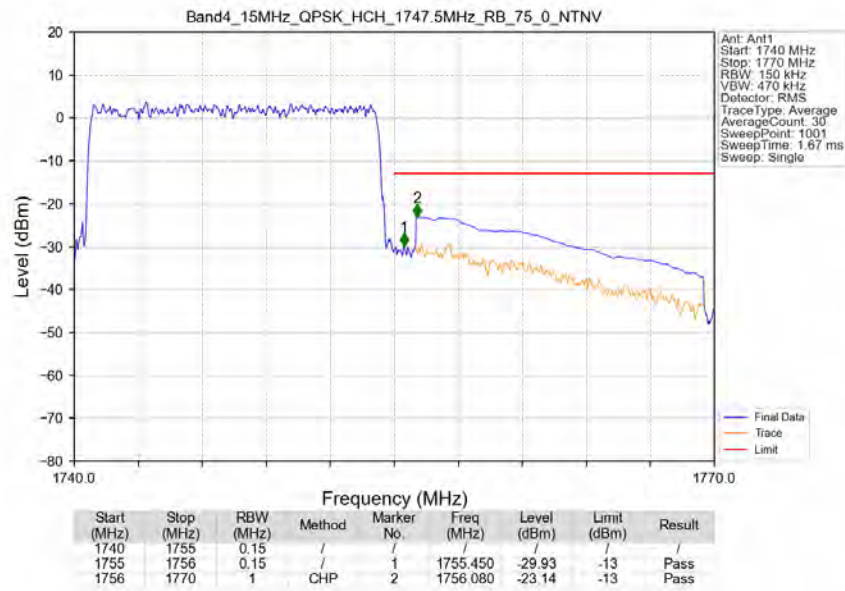
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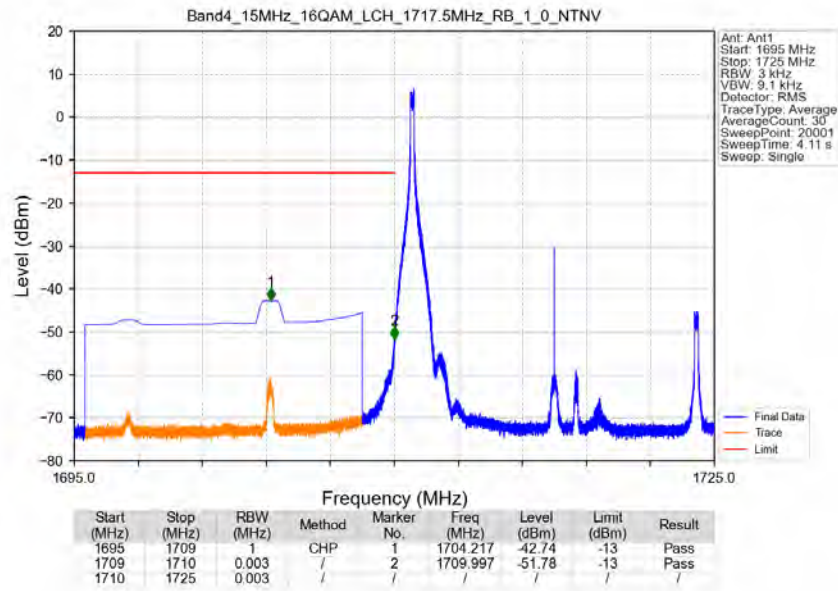
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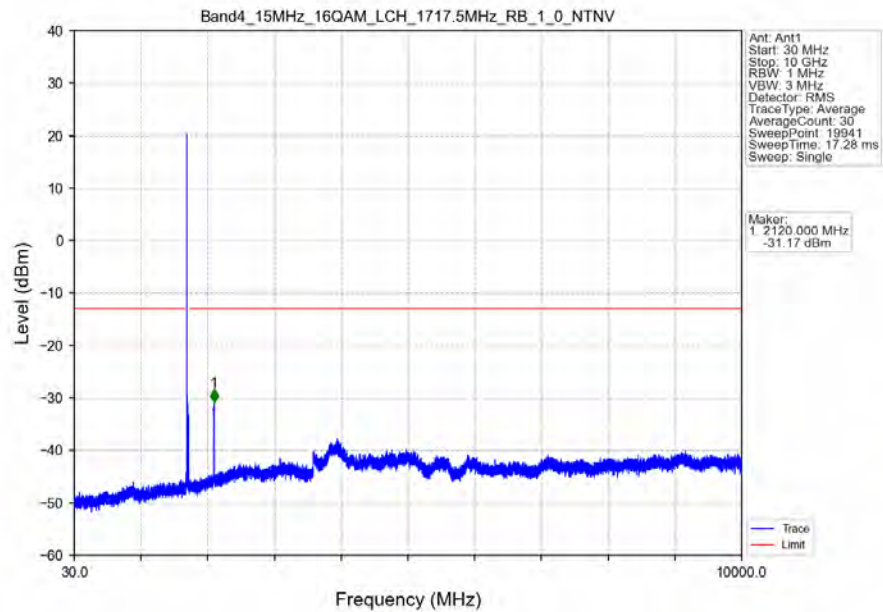
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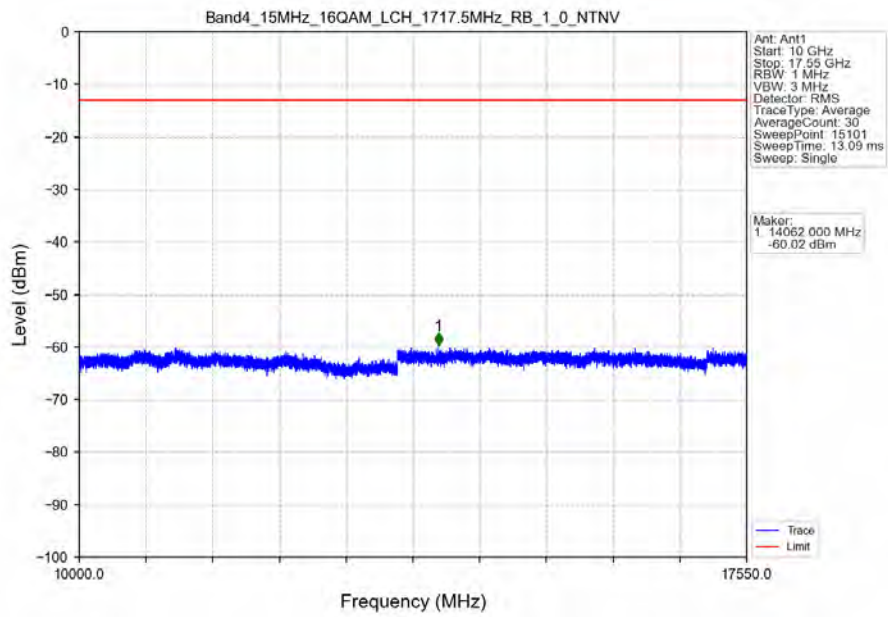
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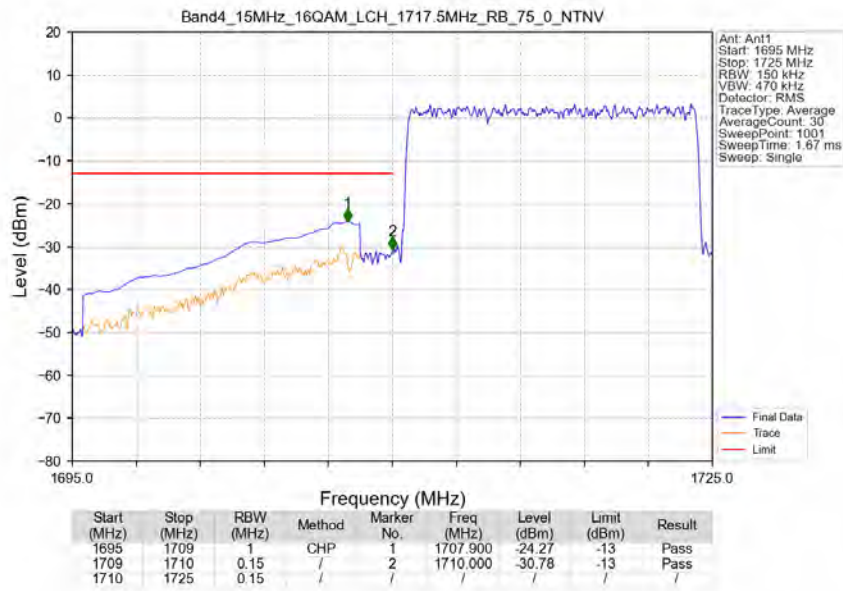
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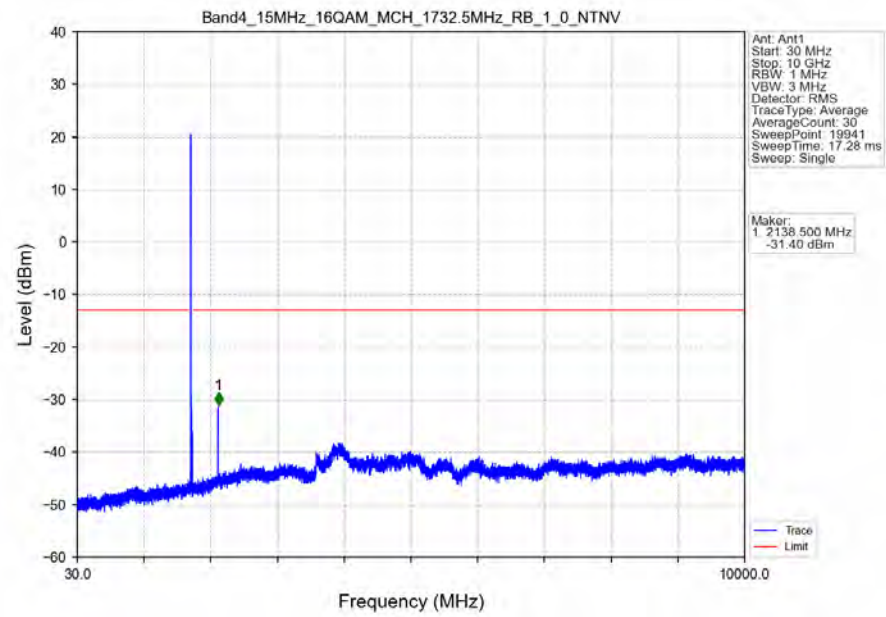
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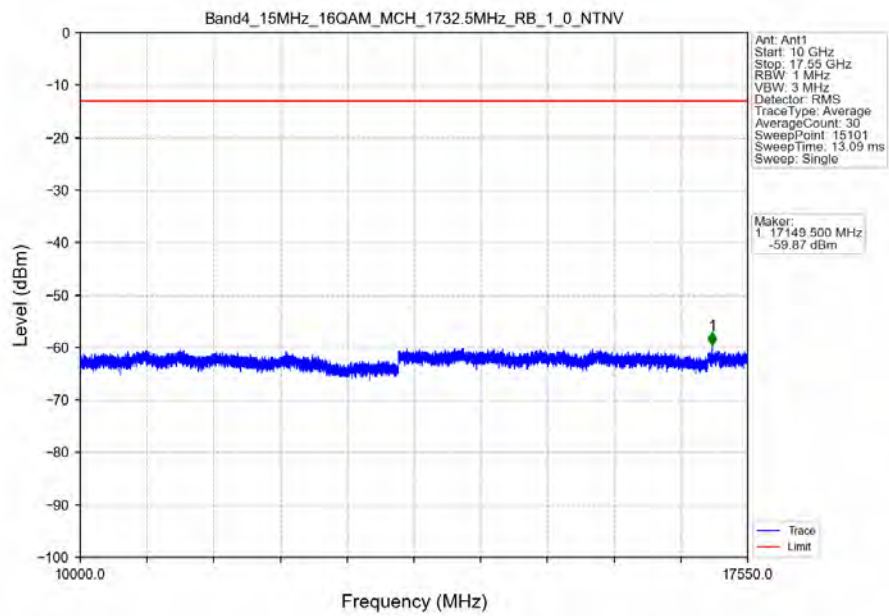
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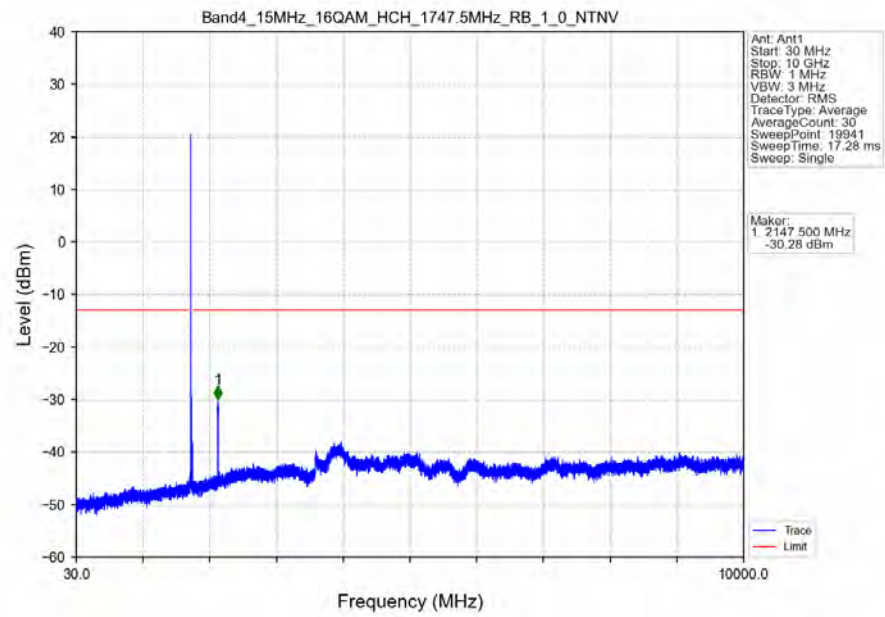
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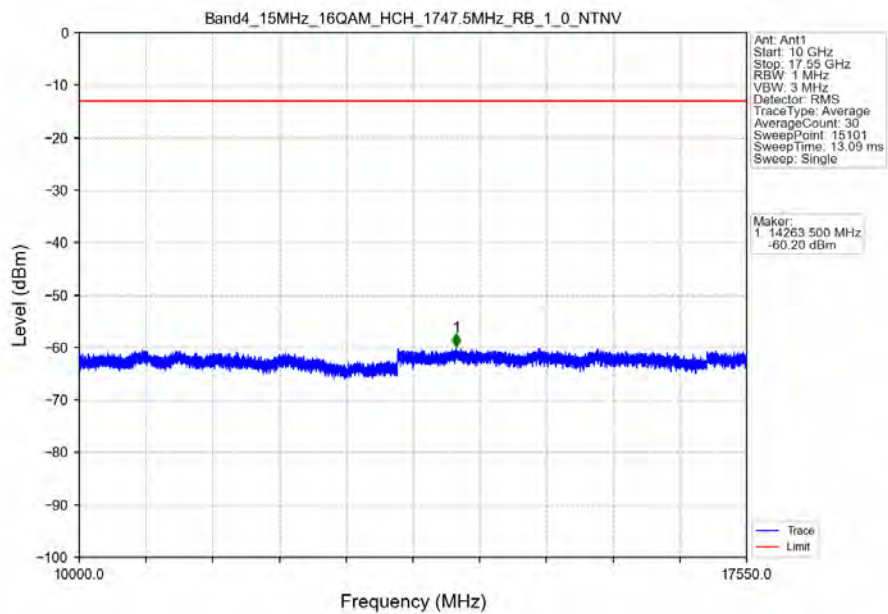
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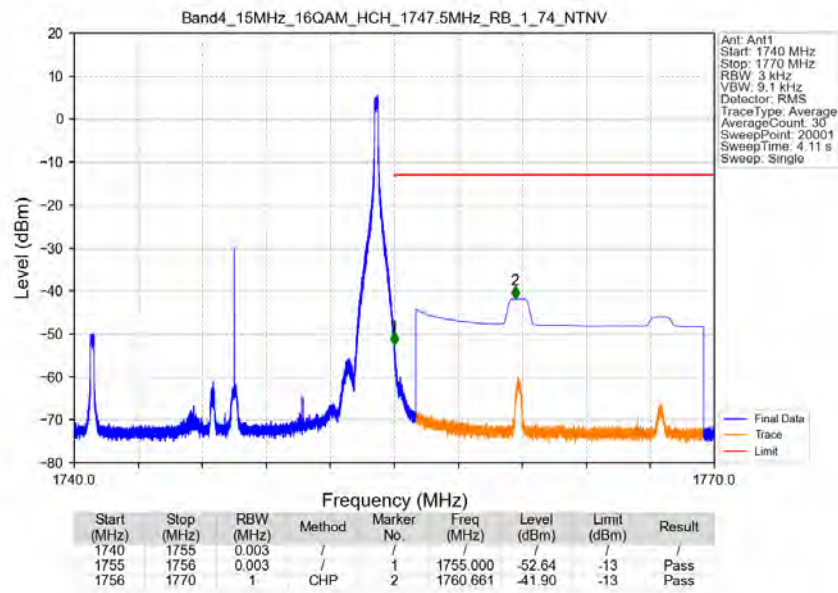
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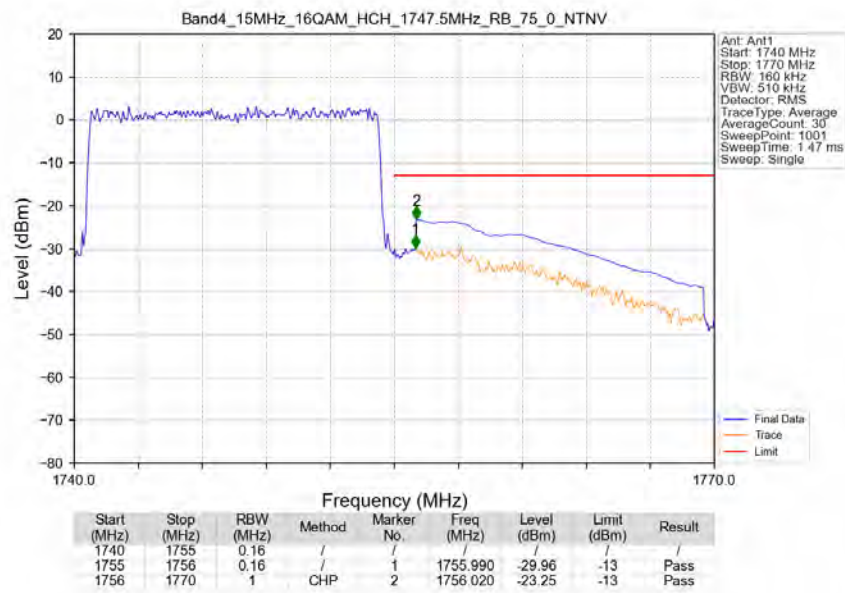
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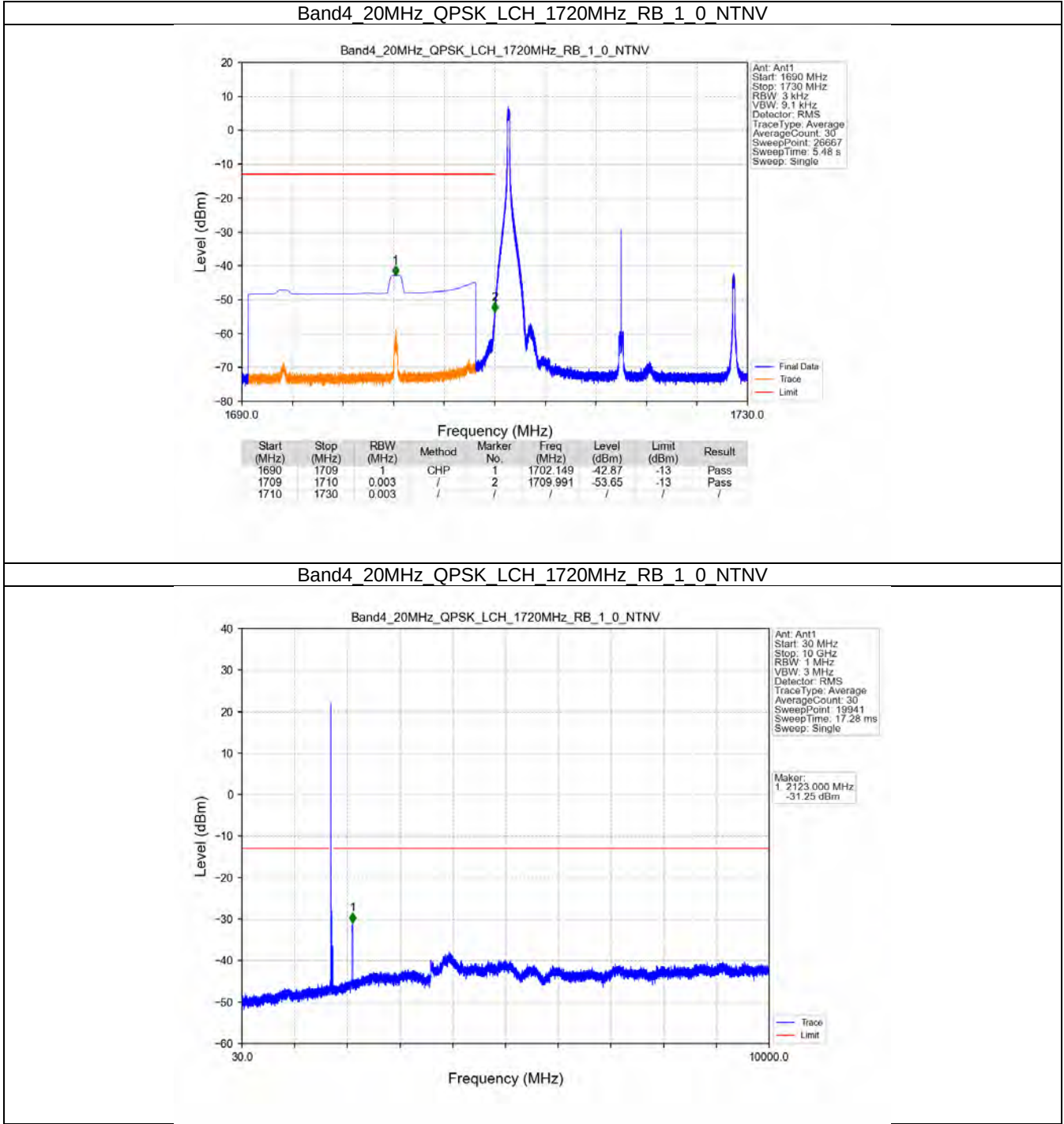
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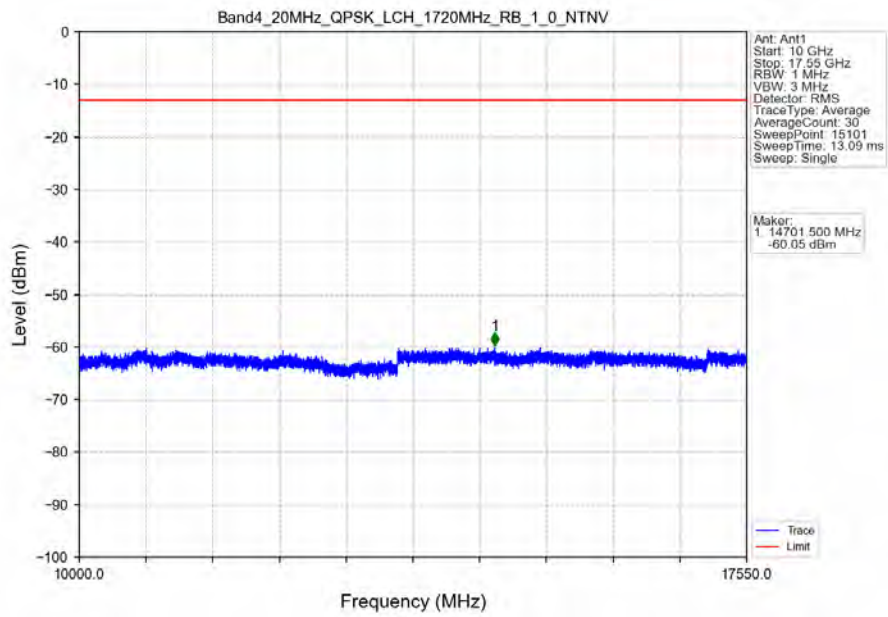
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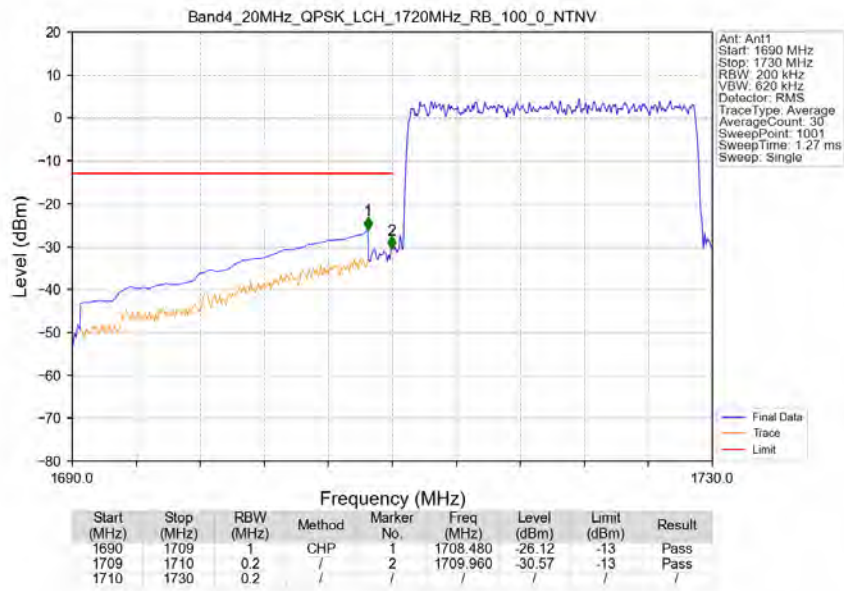
5.2.6 B4_20MHz



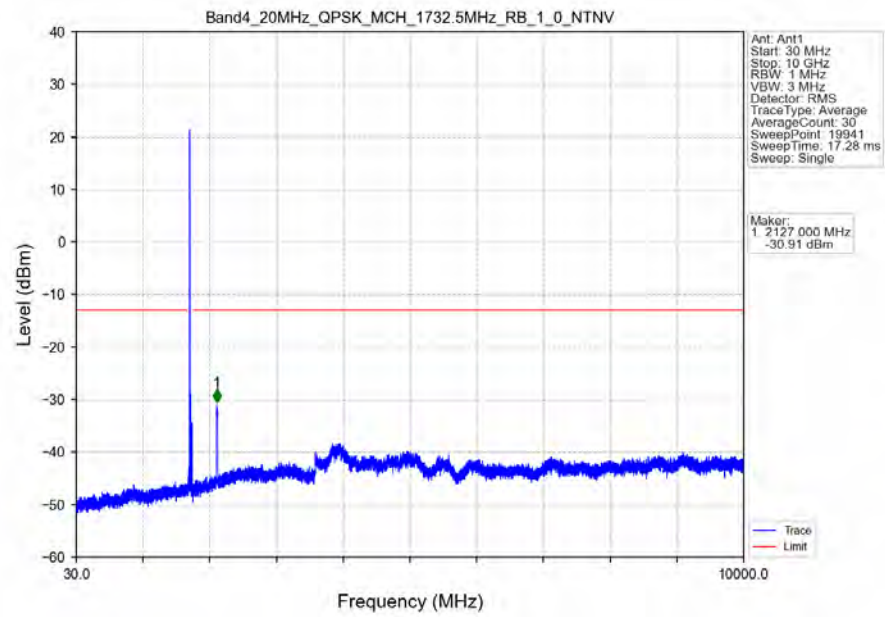
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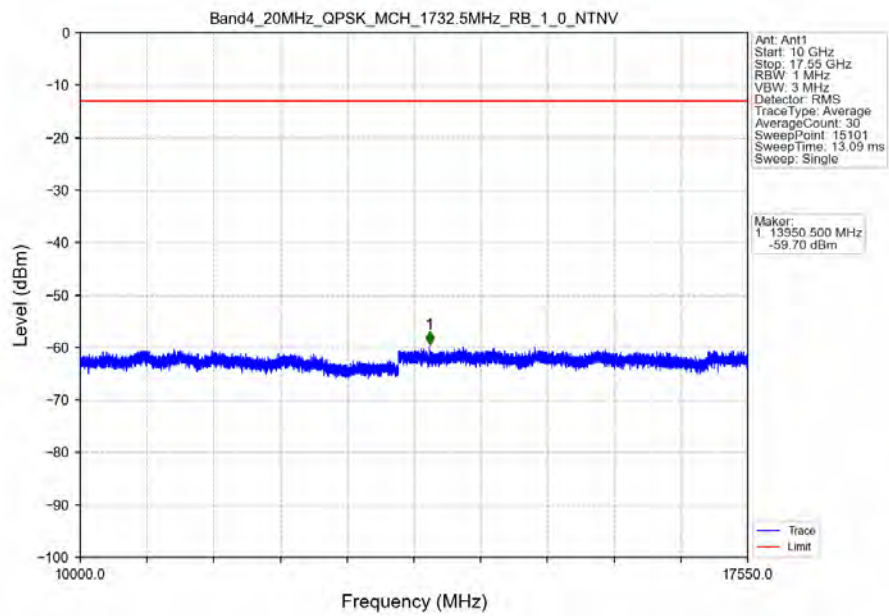
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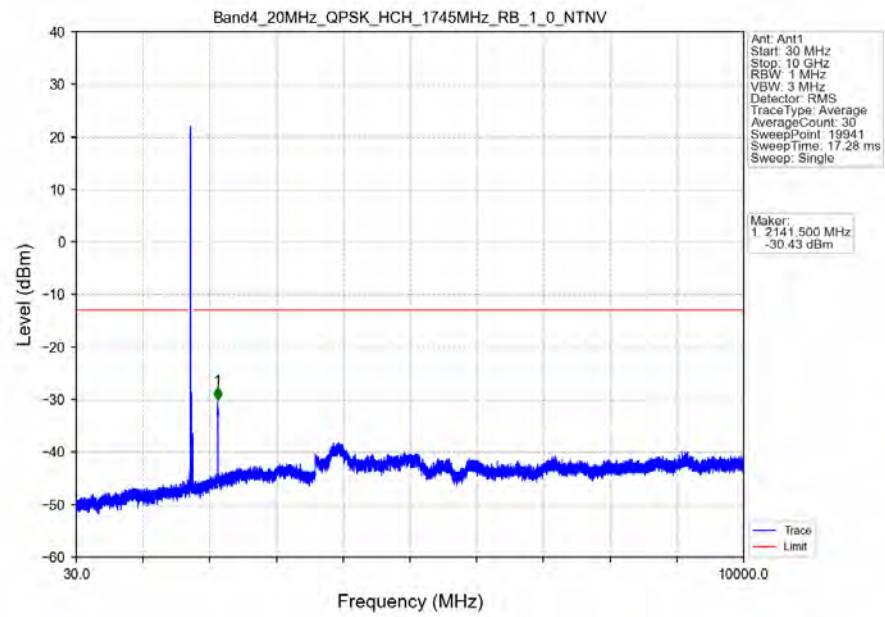
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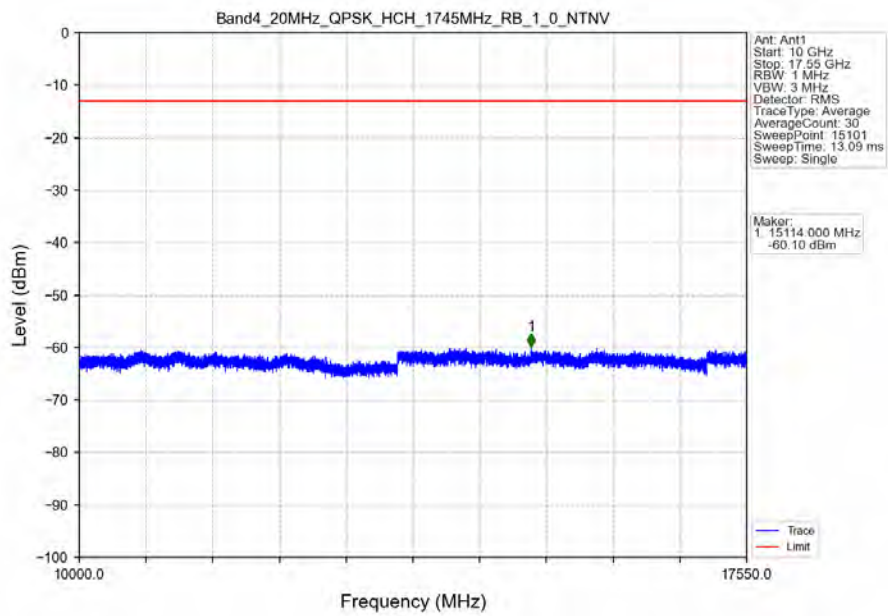
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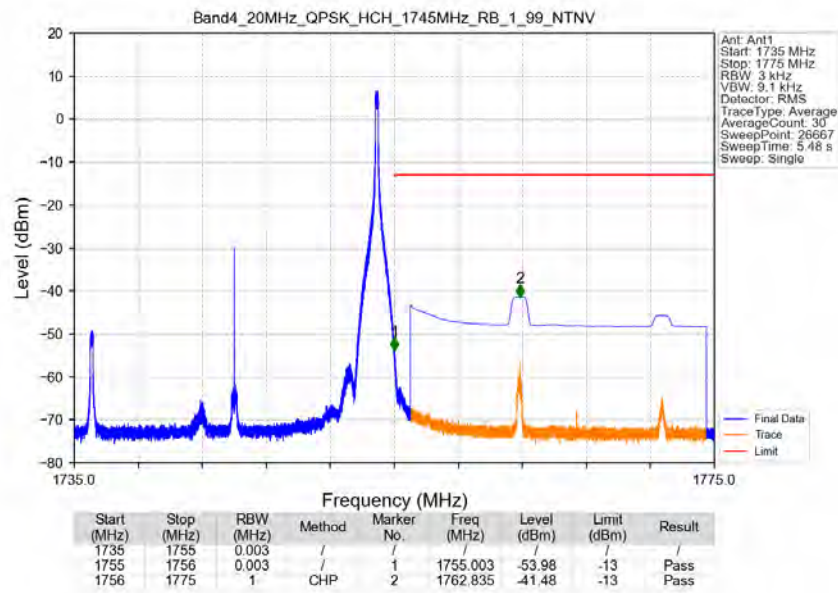
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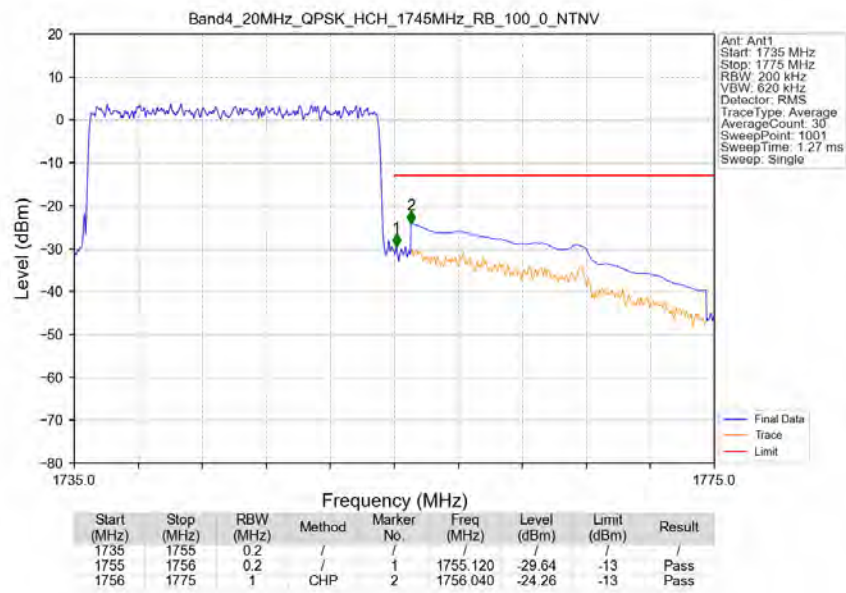
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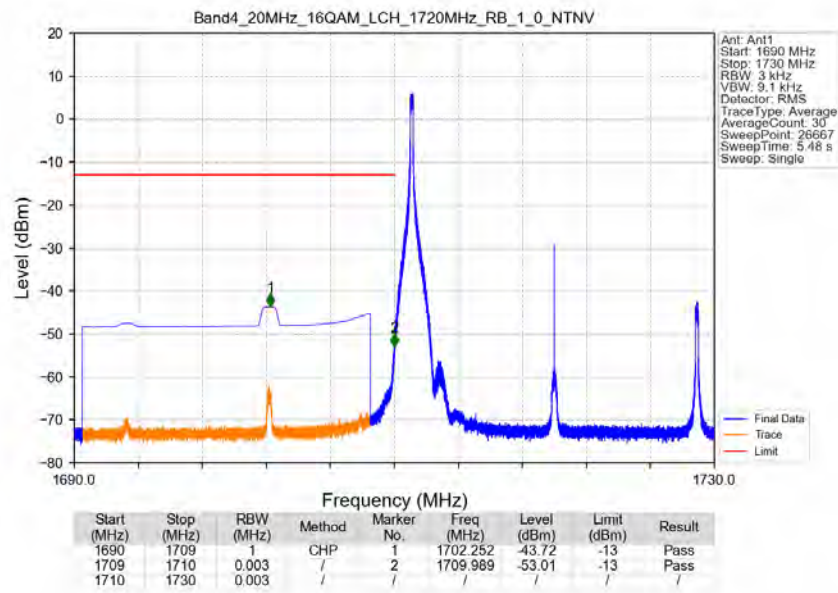
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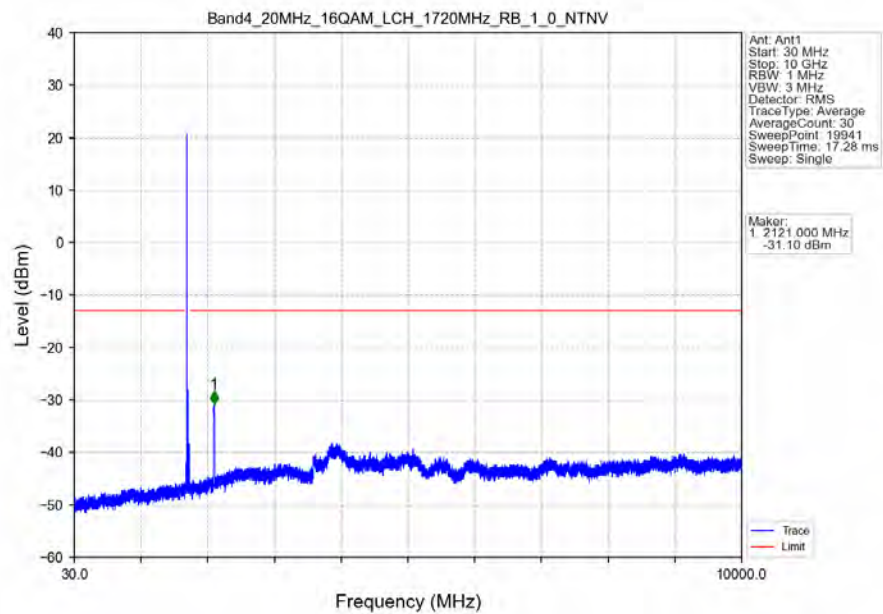
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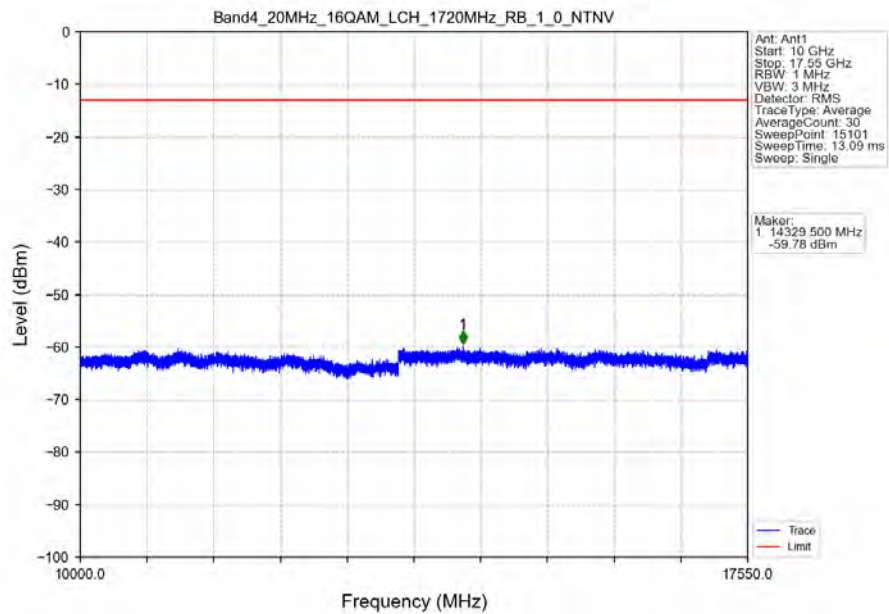
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



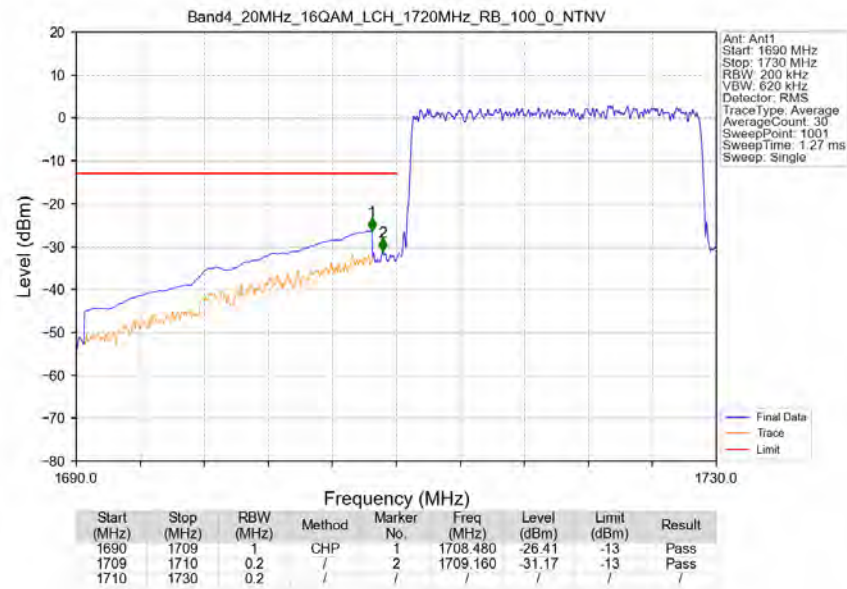
Band4 20MHz 16QAM LCH 1720MHz RB 1 0 NTNV



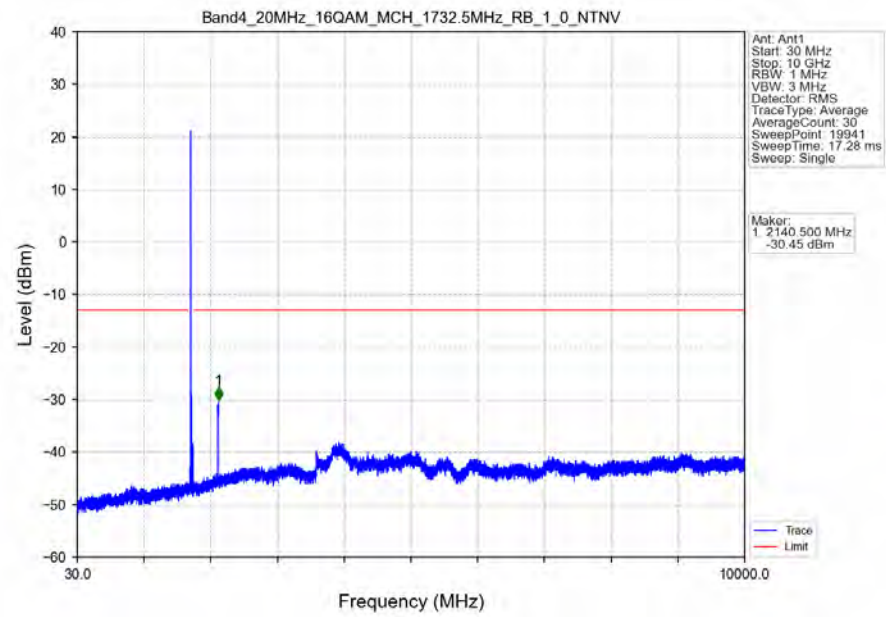
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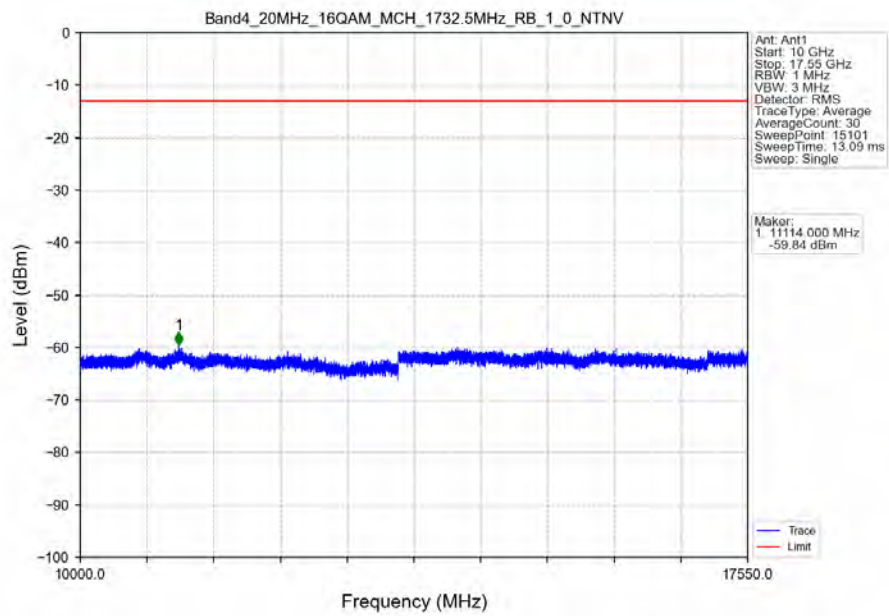
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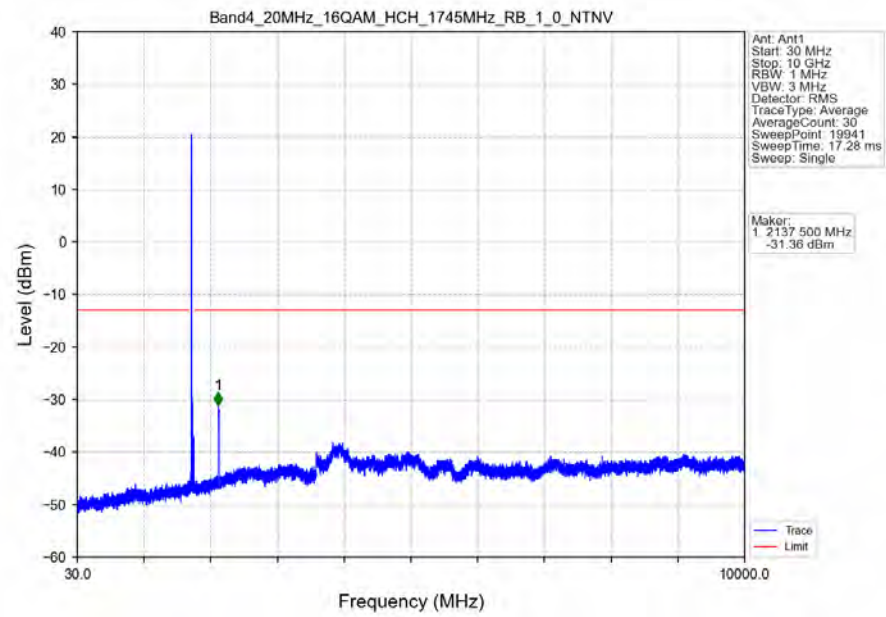
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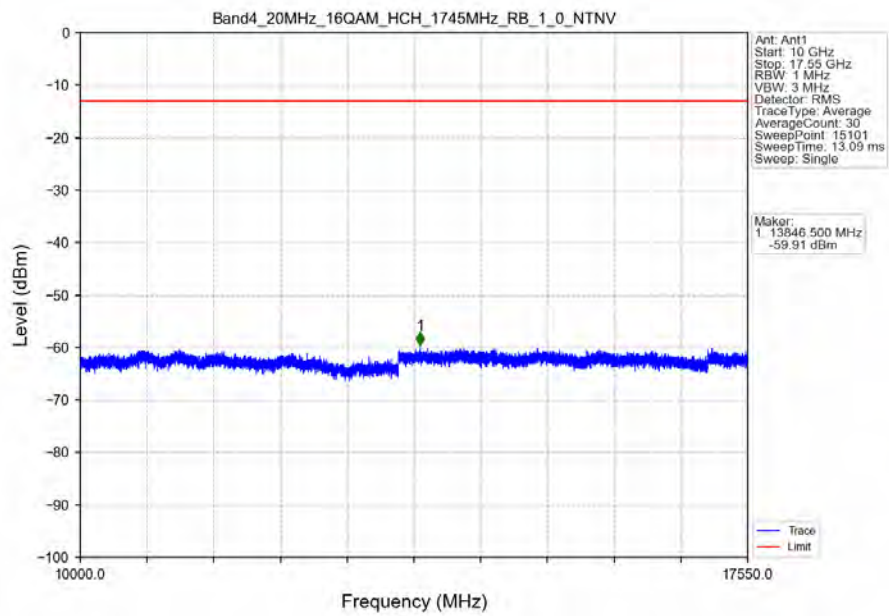
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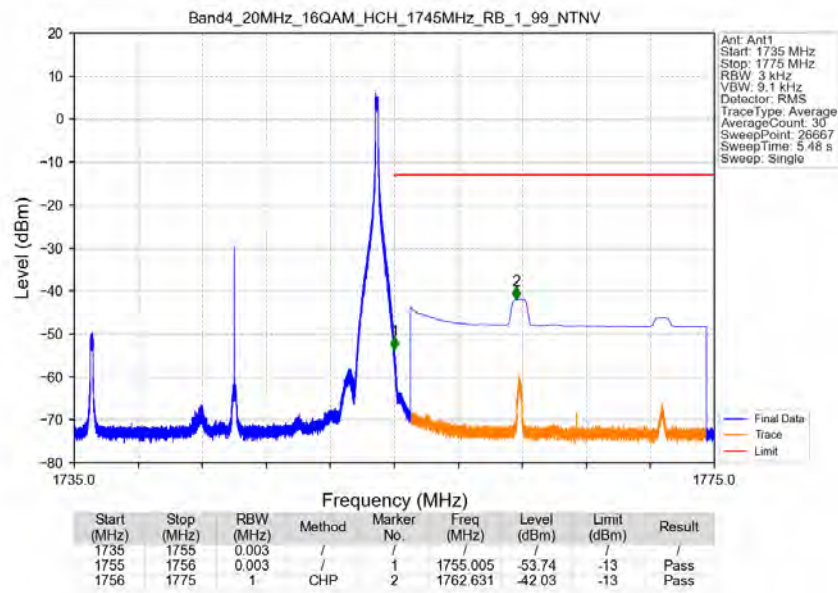
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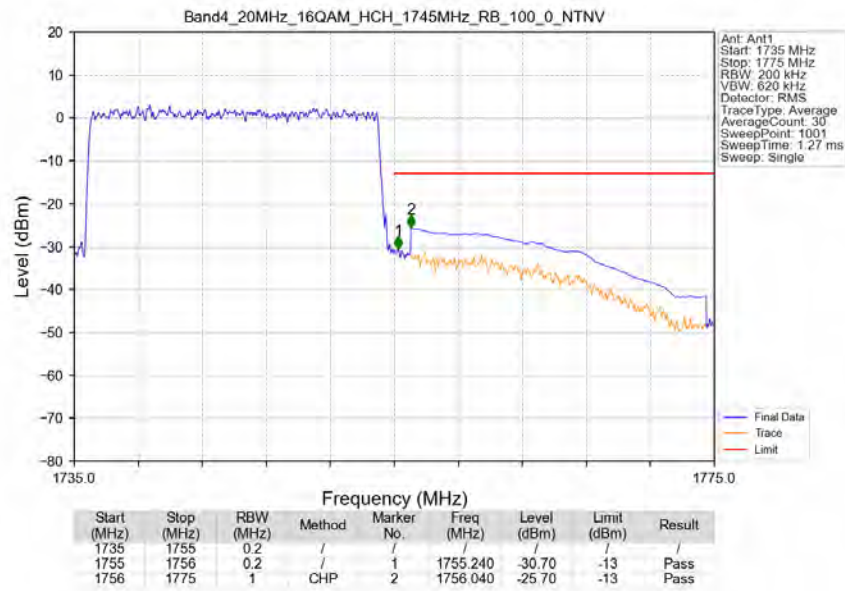
Band4_20MHz_16QAM_HCH_1745MHz_RB_1_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_1_99_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Field Strength of Spurious Radiation

LTE Band 4-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3422.0	-60.79	-13	-47.79	-65.53	3.24	7.98	Horizontal	Pass
5133.0	-58.12	-13	-45.12	-64.09	4.25	10.22	Horizontal	Pass
6844.0	-56.77	-13	-43.77	-63.51	4.19	10.93	Horizontal	Pass
3422.0	-60.09	-13	-47.09	-64.83	3.24	7.98	Vertical	Pass
5133.0	-57.51	-13	-44.51	-63.48	4.25	10.22	Vertical	Pass
6844.0	-56.53	-13	-43.53	-63.27	4.19	10.93	Vertical	Pass

LTE Band 4-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3447.0	-60.49	-13	-47.49	-65.27	3.26	8.04	Horizontal	Pass
5170.5	-57.29	-13	-44.29	-63.29	4.25	10.25	Horizontal	Pass
6894.0	-57.49	-13	-44.49	-64.29	4.19	10.99	Horizontal	Pass
3447.0	-61.27	-13	-48.27	-66.05	3.26	8.04	Vertical	Pass
5170.5	-58.38	-13	-45.38	-64.38	4.25	10.25	Vertical	Pass
6894.0	-58.31	-13	-45.31	-65.11	4.19	10.99	Vertical	Pass

LTE Band 4-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	EIRP (dBm)	Limit (dBm)	Over Limit (dB)	S.G. Power (dBm)	Cable Loss (dB)	Antenna Gain (dBi)	Polarization (H/V)	Result
3472.0	-61.64	-13	-48.64	-66.47	3.27	8.1	Horizontal	Pass
5208.0	-57.41	-13	-44.41	-63.43	4.25	10.27	Horizontal	Pass
6944.0	-56.06	-13	-43.06	-62.93	4.19	11.06	Horizontal	Pass
3472.0	-61.75	-13	-48.75	-66.58	3.27	8.1	Vertical	Pass
5208.0	-57.92	-13	-44.92	-63.94	4.25	10.27	Vertical	Pass
6944.0	-56.79	-13	-43.79	-63.66	4.19	11.06	Vertical	Pass