

Appendix - band_4

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	23.48	-4.11	19.37	<=30	Pass		
			2	23.53	-4.11	19.42	<=30	Pass		
			5	23.54	-4.11	19.43	<=30	Pass		
		3	0	23.50	-4.11	19.39	<=30	Pass		
			2	23.47	-4.11	19.36	<=30	Pass		
			3	23.50	-4.11	19.39	<=30	Pass		
		6	0	22.53	-4.11	18.42	<=30	Pass		
		1732.5	1	0	23.36	-4.11	19.25	<=30	Pass	
				2	23.50	-4.11	19.39	<=30	Pass	
	5			23.62	-4.11	19.51	<=30	Pass		
	3		0	23.53	-4.11	19.42	<=30	Pass		
			2	23.45	-4.11	19.34	<=30	Pass		
			3	23.56	-4.11	19.45	<=30	Pass		
	6	0	22.39	-4.11	18.28	<=30	Pass			
	1754.3	1	0	23.52	-4.11	19.41	<=30	Pass		
			2	23.53	-4.11	19.42	<=30	Pass		
			5	23.47	-4.11	19.36	<=30	Pass		
		3	0	23.57	-4.11	19.46	<=30	Pass		
			2	23.51	-4.11	19.40	<=30	Pass		
			3	23.54	-4.11	19.43	<=30	Pass		
		6	0	22.38	-4.11	18.27	<=30	Pass		
		16QAM	1710.7	1	0	22.08	-4.11	17.97	<=30	Pass
					2	22.04	-4.11	17.93	<=30	Pass
	5				22.07	-4.11	17.96	<=30	Pass	
3	0			22.50	-4.11	18.39	<=30	Pass		
	2			22.51	-4.11	18.40	<=30	Pass		
	3			22.47	-4.11	18.36	<=30	Pass		
6	0			21.62	-4.11	17.51	<=30	Pass		
1732.5	1		0	22.69	-4.11	18.58	<=30	Pass		
			2	22.67	-4.11	18.56	<=30	Pass		
			5	22.66	-4.11	18.55	<=30	Pass		
	3		0	22.70	-4.11	18.59	<=30	Pass		
			2	22.61	-4.11	18.50	<=30	Pass		
			3	22.70	-4.11	18.59	<=30	Pass		
6	0		21.68	-4.11	17.57	<=30	Pass			
1754.3	1		0	22.73	-4.11	18.62	<=30	Pass		
			2	22.66	-4.11	18.55	<=30	Pass		
			5	22.74	-4.11	18.63	<=30	Pass		
	3		0	22.21	-4.11	18.10	<=30	Pass		
			2	22.23	-4.11	18.12	<=30	Pass		
			3	22.20	-4.11	18.09	<=30	Pass		
	6		0	21.54	-4.11	17.43	<=30	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain									

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1711.5	1	0	23.49	-4.11	19.38	<=30	Pass	
			7	23.50	-4.11	19.39	<=30	Pass	
			14	23.44	-4.11	19.33	<=30	Pass	
		8	0	22.46	-4.11	18.35	<=30	Pass	
			4	22.54	-4.11	18.43	<=30	Pass	
			7	22.32	-4.11	18.21	<=30	Pass	
		15	0	22.57	-4.11	18.46	<=30	Pass	
		1732.5	1	0	23.35	-4.11	19.24	<=30	Pass
				7	23.30	-4.11	19.19	<=30	Pass
	14			23.30	-4.11	19.19	<=30	Pass	
	8		0	22.41	-4.11	18.30	<=30	Pass	
			4	22.44	-4.11	18.33	<=30	Pass	
			7	22.42	-4.11	18.31	<=30	Pass	
	15	0	22.43	-4.11	18.32	<=30	Pass		
	1753.5	1	0	23.38	-4.11	19.27	<=30	Pass	
			7	23.38	-4.11	19.27	<=30	Pass	
			14	23.40	-4.11	19.29	<=30	Pass	
		8	0	22.43	-4.11	18.32	<=30	Pass	
			4	22.44	-4.11	18.33	<=30	Pass	
			7	22.40	-4.11	18.29	<=30	Pass	
		15	0	22.42	-4.11	18.31	<=30	Pass	
16QAM		1711.5	1	0	22.05	-4.11	17.94	<=30	Pass
				7	21.97	-4.11	17.86	<=30	Pass
	14			21.88	-4.11	17.77	<=30	Pass	
	8		0	21.86	-4.11	17.75	<=30	Pass	
			4	21.79	-4.11	17.68	<=30	Pass	
			7	21.73	-4.11	17.62	<=30	Pass	
	15		0	21.65	-4.11	17.54	<=30	Pass	
	1732.5	1	0	23.12	-4.11	19.01	<=30	Pass	
			7	23.10	-4.11	18.99	<=30	Pass	
			14	23.12	-4.11	19.01	<=30	Pass	
		8	0	21.61	-4.11	17.50	<=30	Pass	
			4	21.59	-4.11	17.48	<=30	Pass	
			7	21.59	-4.11	17.48	<=30	Pass	
	15	0	21.48	-4.11	17.37	<=30	Pass		
	1753.5	1	0	22.50	-4.11	18.39	<=30	Pass	
			7	22.50	-4.11	18.39	<=30	Pass	
			14	22.46	-4.11	18.35	<=30	Pass	
		8	0	21.71	-4.11	17.60	<=30	Pass	
4			21.73	-4.11	17.62	<=30	Pass		
7			21.76	-4.11	17.65	<=30	Pass		
15		0	21.61	-4.11	17.50	<=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	23.35	-4.11	19.24	<=30	Pass
			13	23.25	-4.11	19.14	<=30	Pass
			24	23.26	-4.11	19.15	<=30	Pass
		12	0	22.49	-4.11	18.38	<=30	Pass
			6	22.47	-4.11	18.36	<=30	Pass
			13	22.39	-4.11	18.28	<=30	Pass

	1732.5	25	0	22.39	-4.11	18.28	<=30	Pass	
		1	0	23.08	-4.11	18.97	<=30	Pass	
			13	23.12	-4.11	19.01	<=30	Pass	
			24	23.15	-4.11	19.04	<=30	Pass	
			0	22.24	-4.11	18.13	<=30	Pass	
		12	6	22.25	-4.11	18.14	<=30	Pass	
			13	22.23	-4.11	18.12	<=30	Pass	
			25	0	22.20	-4.11	18.09	<=30	Pass
		1752.5	1	0	23.26	-4.11	19.15	<=30	Pass
				13	23.31	-4.11	19.20	<=30	Pass
	24			23.28	-4.11	19.17	<=30	Pass	
	12		0	22.33	-4.11	18.22	<=30	Pass	
			6	22.31	-4.11	18.20	<=30	Pass	
			13	22.24	-4.11	18.13	<=30	Pass	
	25		0	22.27	-4.11	18.16	<=30	Pass	
	16QAM	1712.5	1	0	22.65	-4.11	18.54	<=30	Pass
13				22.54	-4.11	18.43	<=30	Pass	
24				22.56	-4.11	18.45	<=30	Pass	
12			0	21.59	-4.11	17.48	<=30	Pass	
			6	21.34	-4.11	17.23	<=30	Pass	
			13	21.33	-4.11	17.22	<=30	Pass	
25			0	21.48	-4.11	17.37	<=30	Pass	
1732.5		1	0	22.40	-4.11	18.29	<=30	Pass	
			13	22.41	-4.11	18.30	<=30	Pass	
			24	22.41	-4.11	18.30	<=30	Pass	
		12	0	21.33	-4.11	17.22	<=30	Pass	
			6	21.38	-4.11	17.27	<=30	Pass	
			13	21.42	-4.11	17.31	<=30	Pass	
		25	0	21.44	-4.11	17.33	<=30	Pass	
1752.5		1	0	22.25	-4.11	18.14	<=30	Pass	
			13	22.34	-4.11	18.23	<=30	Pass	
			24	22.25	-4.11	18.14	<=30	Pass	
		12	0	21.36	-4.11	17.25	<=30	Pass	
			6	21.41	-4.11	17.30	<=30	Pass	
			13	21.43	-4.11	17.32	<=30	Pass	
	25	0	21.42	-4.11	17.31	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

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	23.30	-4.11	19.19	<=30	Pass
			25	23.22	-4.11	19.11	<=30	Pass
			49	23.26	-4.11	19.15	<=30	Pass
		25	0	22.19	-4.11	18.08	<=30	Pass
			13	22.28	-4.11	18.17	<=30	Pass
			25	22.26	-4.11	18.15	<=30	Pass
		50	0	22.32	-4.11	18.21	<=30	Pass
	1732.5	1	0	23.38	-4.11	19.27	<=30	Pass
			25	23.32	-4.11	19.21	<=30	Pass
			49	23.38	-4.11	19.27	<=30	Pass
		25	0	22.32	-4.11	18.21	<=30	Pass
			13	22.31	-4.11	18.20	<=30	Pass
			25	22.25	-4.11	18.14	<=30	Pass
		50	0	22.35	-4.11	18.24	<=30	Pass
	1750	1	0	23.20	-4.11	19.09	<=30	Pass

16QAM	1715	25	25	23.26	-4.11	19.15	<=30	Pass
			49	23.25	-4.11	19.14	<=30	Pass
			0	22.22	-4.11	18.11	<=30	Pass
			13	22.24	-4.11	18.13	<=30	Pass
			25	22.37	-4.11	18.26	<=30	Pass
	1715	50	0	22.28	-4.11	18.17	<=30	Pass
			0	22.28	-4.11	18.17	<=30	Pass
			25	22.15	-4.11	18.04	<=30	Pass
			49	22.13	-4.11	18.02	<=30	Pass
			0	21.54	-4.11	17.43	<=30	Pass
	1732.5	25	13	21.61	-4.11	17.50	<=30	Pass
			25	21.57	-4.11	17.46	<=30	Pass
			0	21.37	-4.11	17.26	<=30	Pass
		50	0	22.52	-4.11	18.41	<=30	Pass
			25	22.48	-4.11	18.37	<=30	Pass
	1732.5	1	49	22.49	-4.11	18.38	<=30	Pass
			0	21.51	-4.11	17.40	<=30	Pass
			13	21.52	-4.11	17.41	<=30	Pass
			25	21.43	-4.11	17.32	<=30	Pass
			0	21.44	-4.11	17.33	<=30	Pass
	1750	1	0	22.58	-4.11	18.47	<=30	Pass
			25	22.58	-4.11	18.47	<=30	Pass
			49	22.59	-4.11	18.48	<=30	Pass
		25	0	21.32	-4.11	17.21	<=30	Pass
			13	21.33	-4.11	17.22	<=30	Pass
			25	21.33	-4.11	17.22	<=30	Pass
			0	21.37	-4.11	17.26	<=30	Pass
			0	21.37	-4.11	17.26	<=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	23.24	-4.11	19.13	<=30	Pass
			38	23.21	-4.11	19.10	<=30	Pass
			74	23.20	-4.11	19.09	<=30	Pass
		36	0	22.30	-4.11	18.19	<=30	Pass
			18	22.24	-4.11	18.13	<=30	Pass
			39	22.32	-4.11	18.21	<=30	Pass
	1732.5	75	0	22.33	-4.11	18.22	<=30	Pass
			0	23.30	-4.11	19.19	<=30	Pass
			38	23.39	-4.11	19.28	<=30	Pass
		1	74	23.46	-4.11	19.35	<=30	Pass
			0	22.22	-4.11	18.11	<=30	Pass
			18	22.21	-4.11	18.10	<=30	Pass
	1747.5	36	39	22.29	-4.11	18.18	<=30	Pass
			0	22.24	-4.11	18.13	<=30	Pass
			0	23.20	-4.11	19.09	<=30	Pass
		1	38	23.30	-4.11	19.19	<=30	Pass
			74	23.25	-4.11	19.14	<=30	Pass
			0	22.35	-4.11	18.24	<=30	Pass
16QAM	1717.5	1	18	22.23	-4.11	18.12	<=30	Pass
			39	22.25	-4.11	18.14	<=30	Pass
			0	22.29	-4.11	18.18	<=30	Pass
16QAM	1717.5	1	0	22.73	-4.11	18.62	<=30	Pass
			38	22.60	-4.11	18.49	<=30	Pass
			74	22.65	-4.11	18.54	<=30	Pass

	1732.5	36	0	21.39	-4.11	17.28	<=30	Pass
			18	21.35	-4.11	17.24	<=30	Pass
			39	21.43	-4.11	17.32	<=30	Pass
		75	0	21.43	-4.11	17.32	<=30	Pass
			0	22.46	-4.11	18.35	<=30	Pass
			38	22.46	-4.11	18.35	<=30	Pass
	1747.5	1	74	22.49	-4.11	18.38	<=30	Pass
			0	21.42	-4.11	17.31	<=30	Pass
			18	21.51	-4.11	17.40	<=30	Pass
		36	39	21.50	-4.11	17.39	<=30	Pass
			0	21.48	-4.11	17.37	<=30	Pass
			0	22.54	-4.11	18.43	<=30	Pass
	1747.5	1	38	22.52	-4.11	18.41	<=30	Pass
			74	22.52	-4.11	18.41	<=30	Pass
		36	0	21.46	-4.11	17.35	<=30	Pass
			18	21.46	-4.11	17.35	<=30	Pass
			39	21.49	-4.11	17.38	<=30	Pass
		75	0	21.39	-4.11	17.28	<=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	23.38	-4.11	19.27	<=30	Pass
			50	23.34	-4.11	19.23	<=30	Pass
			99	23.27	-4.11	19.16	<=30	Pass
		50	0	22.27	-4.11	18.16	<=30	Pass
			25	22.20	-4.11	18.09	<=30	Pass
			50	22.22	-4.11	18.11	<=30	Pass
		100	0	22.37	-4.11	18.26	<=30	Pass
	1732.5	1	0	23.19	-4.11	19.08	<=30	Pass
			50	23.25	-4.11	19.14	<=30	Pass
			99	23.32	-4.11	19.21	<=30	Pass
		50	0	22.32	-4.11	18.21	<=30	Pass
			25	22.24	-4.11	18.13	<=30	Pass
			50	22.39	-4.11	18.28	<=30	Pass
		100	0	22.34	-4.11	18.23	<=30	Pass
	1745	1	0	23.56	-4.11	19.45	<=30	Pass
			50	23.65	-4.11	19.54	<=30	Pass
			99	23.62	-4.11	19.51	<=30	Pass
		50	0	22.19	-4.11	18.08	<=30	Pass
			25	22.32	-4.11	18.21	<=30	Pass
			50	22.35	-4.11	18.24	<=30	Pass
		100	0	22.39	-4.11	18.28	<=30	Pass
16QAM	1720	1	0	23.27	-4.11	19.16	<=30	Pass
			50	23.21	-4.11	19.10	<=30	Pass
			99	23.09	-4.11	18.98	<=30	Pass
		50	0	21.31	-4.11	17.20	<=30	Pass
			25	21.40	-4.11	17.29	<=30	Pass
			50	21.39	-4.11	17.28	<=30	Pass
		100	0	21.43	-4.11	17.32	<=30	Pass
	1732.5	1	0	22.58	-4.11	18.47	<=30	Pass
			50	22.58	-4.11	18.47	<=30	Pass
			99	22.63	-4.11	18.52	<=30	Pass
		50	0	21.45	-4.11	17.34	<=30	Pass
			25	21.48	-4.11	17.37	<=30	Pass

		100	50	21.54	-4.11	17.43	<=30	Pass
			0	21.33	-4.11	17.22	<=30	Pass
	1745	1	0	21.80	-4.11	17.69	<=30	Pass
			50	21.83	-4.11	17.72	<=30	Pass
			99	21.76	-4.11	17.65	<=30	Pass
	50		0	21.39	-4.11	17.28	<=30	Pass
			25	21.48	-4.11	17.37	<=30	Pass
			50	21.46	-4.11	17.35	<=30	Pass
	100		0	21.32	-4.11	17.21	<=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	-13.561	-0.0079	-2.5 to 2.5	Pass
					3.85	-37.909	-0.0222	-2.5 to 2.5	Pass
					4.43	-35.534	-0.0208	-2.5 to 2.5	Pass
				-30	3.85	-28.224	-0.0165	-2.5 to 2.5	Pass
				-20	3.85	-18.926	-0.0111	-2.5 to 2.5	Pass
				-10	3.85	-14.977	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-10.314	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-6.294	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
	50	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass			
	1732.5	6	0	20	3.27	9.785	0.0056	-2.5 to 2.5	Pass
					3.85	8.912	0.0051	-2.5 to 2.5	Pass
					4.43	6.537	0.0038	-2.5 to 2.5	Pass
				-30	3.85	6.566	0.0038	-2.5 to 2.5	Pass
				-20	3.85	6.709	0.0039	-2.5 to 2.5	Pass
				-10	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				0	3.85	3.376	0.0019	-2.5 to 2.5	Pass
				10	3.85	5.965	0.0034	-2.5 to 2.5	Pass
				30	3.85	4.549	0.0026	-2.5 to 2.5	Pass
				40	3.85	4.177	0.0024	-2.5 to 2.5	Pass
	50	3.85	5.722	0.0033	-2.5 to 2.5	Pass			
	1754.3	6	0	20	3.27	-3.018	-0.0017	-2.5 to 2.5	Pass
					3.85	-10.529	-0.0060	-2.5 to 2.5	Pass
					4.43	-12.031	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-10.171	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-8.268	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-7.167	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-7.195	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-7.868	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-8.340	-0.0048	-2.5 to 2.5	Pass
40				3.85	-8.783	-0.0050	-2.5 to 2.5	Pass	
50				3.85	-7.668	-0.0044	-2.5 to 2.5	Pass	
16QAM	1710.7	6	0	20	3.27	-6.580	-0.0038	-2.5 to 2.5	Pass
					3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
					4.43	-5.422	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-6.437	-0.0038	-2.5 to 2.5	Pass

				-20	3.85	-8.011	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	-9.828	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-10.285	-0.0060	-2.5 to 2.5	Pass
				10	3.85	-11.587	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-12.302	-0.0072	-2.5 to 2.5	Pass
				40	3.85	-12.946	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-13.361	-0.0078	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	6.766	0.0039	-2.5 to 2.5	Pass
					3.85	7.868	0.0045	-2.5 to 2.5	Pass
					4.43	7.038	0.0041	-2.5 to 2.5	Pass
				-30	3.85	5.522	0.0032	-2.5 to 2.5	Pass
				-20	3.85	5.336	0.0031	-2.5 to 2.5	Pass
				-10	3.85	4.821	0.0028	-2.5 to 2.5	Pass
				0	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				30	3.85	0.987	0.0006	-2.5 to 2.5	Pass
				40	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.043	0.0000	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-9.441	-0.0054	-2.5 to 2.5	Pass
					3.85	-7.553	-0.0043	-2.5 to 2.5	Pass
					4.43	-6.981	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-7.911	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-8.955	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-9.155	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-8.783	-0.0050	-2.5 to 2.5	Pass
				10	3.85	-10.371	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-7.181	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-9.813	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-9.570	-0.0055	-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	-14.391	-0.0084	-2.5 to 2.5	Pass
					3.85	-35.148	-0.0205	-2.5 to 2.5	Pass
					4.43	-26.708	-0.0156	-2.5 to 2.5	Pass
				-30	3.85	-13.533	-0.0079	-2.5 to 2.5	Pass
				-20	3.85	-1.001	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	6.866	0.0040	-2.5 to 2.5	Pass
				0	3.85	14.048	0.0082	-2.5 to 2.5	Pass
				10	3.85	18.854	0.0110	-2.5 to 2.5	Pass
				30	3.85	21.029	0.0123	-2.5 to 2.5	Pass
				40	3.85	21.086	0.0123	-2.5 to 2.5	Pass
				50	3.85	20.628	0.0121	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	1.688	0.0010	-2.5 to 2.5	Pass
					3.85	2.732	0.0016	-2.5 to 2.5	Pass
					4.43	-0.257	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	15.936	0.0091	-2.5 to 2.5	Pass

					3.85	7.939	0.0045	-2.5 to 2.5	Pass
					4.43	6.723	0.0038	-2.5 to 2.5	Pass
				-30	3.85	7.596	0.0043	-2.5 to 2.5	Pass
				-20	3.85	10.414	0.0059	-2.5 to 2.5	Pass
				-10	3.85	11.029	0.0063	-2.5 to 2.5	Pass
				0	3.85	11.444	0.0065	-2.5 to 2.5	Pass
				10	3.85	11.301	0.0064	-2.5 to 2.5	Pass
				30	3.85	8.626	0.0049	-2.5 to 2.5	Pass
				40	3.85	8.755	0.0050	-2.5 to 2.5	Pass
				50	3.85	8.826	0.0050	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	21.458	0.0125	-2.5 to 2.5	Pass
					3.85	23.818	0.0139	-2.5 to 2.5	Pass
					4.43	23.189	0.0135	-2.5 to 2.5	Pass
				-30	3.85	22.087	0.0129	-2.5 to 2.5	Pass
				-20	3.85	22.030	0.0129	-2.5 to 2.5	Pass
				-10	3.85	20.843	0.0122	-2.5 to 2.5	Pass
				0	3.85	19.984	0.0117	-2.5 to 2.5	Pass
				10	3.85	19.856	0.0116	-2.5 to 2.5	Pass
				30	3.85	19.112	0.0112	-2.5 to 2.5	Pass
				40	3.85	19.197	0.0112	-2.5 to 2.5	Pass
	50	3.85	18.268	0.0107	-2.5 to 2.5	Pass			
	1732.5	15	0	20	3.27	-2.103	-0.0012	-2.5 to 2.5	Pass
					3.85	0.458	0.0003	-2.5 to 2.5	Pass
					4.43	-2.003	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
	50	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass			
	1753.5	15	0	20	3.27	8.755	0.0050	-2.5 to 2.5	Pass
					3.85	8.183	0.0047	-2.5 to 2.5	Pass
					4.43	10.071	0.0057	-2.5 to 2.5	Pass
				-30	3.85	11.144	0.0064	-2.5 to 2.5	Pass
				-20	3.85	8.883	0.0051	-2.5 to 2.5	Pass
				-10	3.85	6.280	0.0036	-2.5 to 2.5	Pass
				0	3.85	6.652	0.0038	-2.5 to 2.5	Pass
				10	3.85	6.509	0.0037	-2.5 to 2.5	Pass
30				3.85	4.592	0.0026	-2.5 to 2.5	Pass	
40				3.85	5.922	0.0034	-2.5 to 2.5	Pass	
50	3.85	5.450	0.0031	-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	-18.311	-0.0107	-2.5 to 2.5	Pass
					3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
					4.43	6.838	0.0040	-2.5 to 2.5	Pass
				-30	3.85	19.798	0.0116	-2.5 to 2.5	Pass
				-20	3.85	30.856	0.0180	-2.5 to 2.5	Pass
				-10	3.85	17.509	0.0102	-2.5 to 2.5	Pass
				0	3.85	8.583	0.0050	-2.5 to 2.5	Pass
				10	3.85	11.845	0.0069	-2.5 to 2.5	Pass
				30	3.85	17.939	0.0105	-2.5 to 2.5	Pass

	1732.5	25	0	40	3.85	16.866	0.0098	-2.5 to 2.5	Pass
				50	3.85	18.325	0.0107	-2.5 to 2.5	Pass
				20	3.27	1.931	0.0011	-2.5 to 2.5	Pass
					3.85	-29.626	-0.0171	-2.5 to 2.5	Pass
					4.43	-38.037	-0.0220	-2.5 to 2.5	Pass
				-30	3.85	-14.248	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	-19.698	-0.0114	-2.5 to 2.5	Pass
				-10	3.85	-15.192	-0.0088	-2.5 to 2.5	Pass
				0	3.85	-23.088	-0.0133	-2.5 to 2.5	Pass
				10	3.85	-15.893	-0.0092	-2.5 to 2.5	Pass
	1752.5	25	0	30	3.85	-12.374	-0.0071	-2.5 to 2.5	Pass
				40	3.85	-1.860	-0.0011	-2.5 to 2.5	Pass
				50	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				20	3.27	-7.124	-0.0041	-2.5 to 2.5	Pass
					3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
					4.43	-7.410	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-6.237	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	1.831	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	10	3.85	2.289	0.0013	-2.5 to 2.5	Pass
				30	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				40	3.85	4.864	0.0028	-2.5 to 2.5	Pass
				50	3.85	8.368	0.0048	-2.5 to 2.5	Pass
				20	3.27	18.926	0.0111	-2.5 to 2.5	Pass
					3.85	20.013	0.0117	-2.5 to 2.5	Pass
					4.43	19.069	0.0111	-2.5 to 2.5	Pass
				-30	3.85	19.569	0.0114	-2.5 to 2.5	Pass
				-20	3.85	18.997	0.0111	-2.5 to 2.5	Pass
				-10	3.85	33.031	0.0193	-2.5 to 2.5	Pass
	1732.5	25	0	0	3.85	9.413	0.0055	-2.5 to 2.5	Pass
				10	3.85	-8.454	-0.0049	-2.5 to 2.5	Pass
				30	3.85	-26.765	-0.0156	-2.5 to 2.5	Pass
				40	3.85	-7.124	-0.0042	-2.5 to 2.5	Pass
				50	3.85	-13.061	-0.0076	-2.5 to 2.5	Pass
				20	3.27	4.649	0.0027	-2.5 to 2.5	Pass
					3.85	24.033	0.0139	-2.5 to 2.5	Pass
					4.43	28.653	0.0165	-2.5 to 2.5	Pass
				-30	3.85	32.158	0.0186	-2.5 to 2.5	Pass
				-20	3.85	1.860	0.0011	-2.5 to 2.5	Pass
	1752.5	25	0	-10	3.85	9.370	0.0054	-2.5 to 2.5	Pass
				0	3.85	13.018	0.0075	-2.5 to 2.5	Pass
				10	3.85	18.382	0.0106	-2.5 to 2.5	Pass
				30	3.85	24.118	0.0139	-2.5 to 2.5	Pass
				40	3.85	30.570	0.0176	-2.5 to 2.5	Pass
				50	3.85	31.471	0.0182	-2.5 to 2.5	Pass
				20	3.27	6.981	0.0040	-2.5 to 2.5	Pass
					3.85	5.178	0.0030	-2.5 to 2.5	Pass
					4.43	8.383	0.0048	-2.5 to 2.5	Pass
				-30	3.85	6.495	0.0037	-2.5 to 2.5	Pass
				-20	3.85	7.310	0.0042	-2.5 to 2.5	Pass
				-10	3.85	5.150	0.0029	-2.5 to 2.5	Pass
				0	3.85	13.947	0.0080	-2.5 to 2.5	Pass
				10	3.85	8.812	0.0050	-2.5 to 2.5	Pass
				30	3.85	14.291	0.0082	-2.5 to 2.5	Pass
				40	3.85	10.772	0.0061	-2.5 to 2.5	Pass
				50	3.85	14.720	0.0084	-2.5 to 2.5	Pass

2.1.4 B4_10MHz

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Version: 1/00

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	8.483	0.0049	-2.5 to 2.5	Pass
					3.85	29.154	0.0170	-2.5 to 2.5	Pass
					4.43	2.475	0.0014	-2.5 to 2.5	Pass
				-30	3.85	29.025	0.0169	-2.5 to 2.5	Pass
				-20	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				-10	3.85	20.070	0.0117	-2.5 to 2.5	Pass
				0	3.85	12.374	0.0072	-2.5 to 2.5	Pass
				10	3.85	11.802	0.0069	-2.5 to 2.5	Pass
				30	3.85	21.687	0.0126	-2.5 to 2.5	Pass
				40	3.85	32.644	0.0190	-2.5 to 2.5	Pass
				50	3.85	2.031	0.0012	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	4.406	0.0025	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
					4.43	-2.460	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.219	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				0	3.85	3.176	0.0018	-2.5 to 2.5	Pass
				10	3.85	8.655	0.0050	-2.5 to 2.5	Pass
				30	3.85	7.739	0.0045	-2.5 to 2.5	Pass
				40	3.85	9.985	0.0058	-2.5 to 2.5	Pass
				50	3.85	8.669	0.0050	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	3.276	0.0019	-2.5 to 2.5	Pass
					3.85	3.161	0.0018	-2.5 to 2.5	Pass
					4.43	4.406	0.0025	-2.5 to 2.5	Pass
				-30	3.85	5.765	0.0033	-2.5 to 2.5	Pass
				-20	3.85	7.610	0.0043	-2.5 to 2.5	Pass
				-10	3.85	10.772	0.0062	-2.5 to 2.5	Pass
				0	3.85	9.556	0.0055	-2.5 to 2.5	Pass
				10	3.85	12.274	0.0070	-2.5 to 2.5	Pass
				30	3.85	15.020	0.0086	-2.5 to 2.5	Pass
				40	3.85	13.561	0.0077	-2.5 to 2.5	Pass
				50	3.85	14.334	0.0082	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	10.428	0.0061	-2.5 to 2.5	Pass
					3.85	19.097	0.0111	-2.5 to 2.5	Pass
					4.43	17.123	0.0100	-2.5 to 2.5	Pass
				-30	3.85	19.026	0.0111	-2.5 to 2.5	Pass
				-20	3.85	25.291	0.0147	-2.5 to 2.5	Pass
				-10	3.85	26.493	0.0154	-2.5 to 2.5	Pass
				0	3.85	29.397	0.0171	-2.5 to 2.5	Pass
				10	3.85	32.501	0.0190	-2.5 to 2.5	Pass
				30	3.85	37.093	0.0216	-2.5 to 2.5	Pass
				40	3.85	38.767	0.0226	-2.5 to 2.5	Pass
				50	3.85	5.064	0.0030	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	8.640	0.0050	-2.5 to 2.5	Pass
					3.85	3.905	0.0023	-2.5 to 2.5	Pass
					4.43	-0.186	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.047	0.0018	-2.5 to 2.5	Pass
				-10	3.85	2.489	0.0014	-2.5 to 2.5	Pass
				0	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				10	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				30	3.85	3.347	0.0019	-2.5 to 2.5	Pass
				40	3.85	6.638	0.0038	-2.5 to 2.5	Pass
				50	3.85	9.556	0.0055	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	12.546	0.0072	-2.5 to 2.5	Pass
					3.85	13.561	0.0077	-2.5 to 2.5	Pass

					4.43	9.227	0.0053	-2.5 to 2.5	Pass
				-30	3.85	7.153	0.0041	-2.5 to 2.5	Pass
				-20	3.85	5.693	0.0033	-2.5 to 2.5	Pass
				-10	3.85	5.879	0.0034	-2.5 to 2.5	Pass
				0	3.85	7.725	0.0044	-2.5 to 2.5	Pass
				10	3.85	4.148	0.0024	-2.5 to 2.5	Pass
				30	3.85	5.708	0.0033	-2.5 to 2.5	Pass
				40	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.858	-0.0005	-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	-21.358	-0.0124	-2.5 to 2.5	Pass
					3.85	-15.893	-0.0093	-2.5 to 2.5	Pass
					4.43	2.275	0.0013	-2.5 to 2.5	Pass
				-30	3.85	19.541	0.0114	-2.5 to 2.5	Pass
				-20	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				0	3.85	8.368	0.0049	-2.5 to 2.5	Pass
				10	3.85	11.230	0.0065	-2.5 to 2.5	Pass
				30	3.85	16.651	0.0097	-2.5 to 2.5	Pass
				40	3.85	16.007	0.0093	-2.5 to 2.5	Pass
				50	3.85	18.382	0.0107	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	1.760	0.0010	-2.5 to 2.5	Pass
					3.85	-2.360	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.475	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	2.789	0.0016	-2.5 to 2.5	Pass
					3.85	-2.189	-0.0013	-2.5 to 2.5	Pass
					4.43	0.873	0.0005	-2.5 to 2.5	Pass
				-30	3.85	7.110	0.0041	-2.5 to 2.5	Pass
				-20	3.85	7.968	0.0046	-2.5 to 2.5	Pass
				-10	3.85	11.358	0.0065	-2.5 to 2.5	Pass
				0	3.85	10.157	0.0058	-2.5 to 2.5	Pass
				10	3.85	10.443	0.0060	-2.5 to 2.5	Pass
				30	3.85	8.240	0.0047	-2.5 to 2.5	Pass
				40	3.85	7.424	0.0042	-2.5 to 2.5	Pass
				50	3.85	8.755	0.0050	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	20.628	0.0120	-2.5 to 2.5	Pass
					3.85	19.369	0.0113	-2.5 to 2.5	Pass
					4.43	20.328	0.0118	-2.5 to 2.5	Pass
				-30	3.85	17.509	0.0102	-2.5 to 2.5	Pass
				-20	3.85	16.608	0.0097	-2.5 to 2.5	Pass
				-10	3.85	15.292	0.0089	-2.5 to 2.5	Pass
				0	3.85	13.418	0.0078	-2.5 to 2.5	Pass
				10	3.85	14.892	0.0087	-2.5 to 2.5	Pass
				30	3.85	14.319	0.0083	-2.5 to 2.5	Pass
				40	3.85	9.656	0.0056	-2.5 to 2.5	Pass

	1732.5	75	0	50	3.85	12.703	0.0074	-2.5 to 2.5	Pass
				20	3.27	1.488	0.0009	-2.5 to 2.5	Pass
					3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
					4.43	-1.373	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-5.064	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-9.341	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-8.984	-0.0052	-2.5 to 2.5	Pass
	1747.5	75	0	40	3.85	-9.999	-0.0058	-2.5 to 2.5	Pass
				50	3.85	-8.039	-0.0046	-2.5 to 2.5	Pass
				20	3.27	8.883	0.0051	-2.5 to 2.5	Pass
					3.85	8.941	0.0051	-2.5 to 2.5	Pass
					4.43	5.565	0.0032	-2.5 to 2.5	Pass
				-30	3.85	7.253	0.0042	-2.5 to 2.5	Pass
				-20	3.85	4.950	0.0028	-2.5 to 2.5	Pass
				-10	3.85	3.576	0.0020	-2.5 to 2.5	Pass
				0	3.85	3.448	0.0020	-2.5 to 2.5	Pass
				10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				30	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				40	3.85	3.405	0.0019	-2.5 to 2.5	Pass
				50	3.85	2.389	0.0014	-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	-12.374	-0.0072	-2.5 to 2.5	Pass
					3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
					4.43	20.986	0.0122	-2.5 to 2.5	Pass
				-30	3.85	35.520	0.0207	-2.5 to 2.5	Pass
				-20	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				-10	3.85	22.531	0.0131	-2.5 to 2.5	Pass
				0	3.85	9.456	0.0055	-2.5 to 2.5	Pass
				10	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				30	3.85	21.529	0.0125	-2.5 to 2.5	Pass
				40	3.85	36.464	0.0212	-2.5 to 2.5	Pass
	1732.5	100	0	50	3.85	7.567	0.0044	-2.5 to 2.5	Pass
				20	3.27	4.892	0.0028	-2.5 to 2.5	Pass
					3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
					4.43	-3.319	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-5.794	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
	1745	100	0	40	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				50	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				20	3.27	3.619	0.0021	-2.5 to 2.5	Pass
					3.85	3.562	0.0020	-2.5 to 2.5	Pass
					4.43	6.852	0.0039	-2.5 to 2.5	Pass
				-30	3.85	12.646	0.0072	-2.5 to 2.5	Pass
				-20	3.85	12.474	0.0071	-2.5 to 2.5	Pass
				-10	3.85	17.195	0.0099	-2.5 to 2.5	Pass
				0	3.85	14.148	0.0081	-2.5 to 2.5	Pass

				10	3.85	13.189	0.0076	-2.5 to 2.5	Pass
				30	3.85	12.746	0.0073	-2.5 to 2.5	Pass
				40	3.85	13.633	0.0078	-2.5 to 2.5	Pass
				50	3.85	13.576	0.0078	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	17.509	0.0102	-2.5 to 2.5	Pass
					3.85	22.388	0.0130	-2.5 to 2.5	Pass
					4.43	22.559	0.0131	-2.5 to 2.5	Pass
				-30	3.85	21.458	0.0125	-2.5 to 2.5	Pass
				-20	3.85	23.303	0.0135	-2.5 to 2.5	Pass
				-10	3.85	23.189	0.0135	-2.5 to 2.5	Pass
				0	3.85	24.819	0.0144	-2.5 to 2.5	Pass
				10	3.85	21.315	0.0124	-2.5 to 2.5	Pass
				30	3.85	22.659	0.0132	-2.5 to 2.5	Pass
				40	3.85	25.434	0.0148	-2.5 to 2.5	Pass
				50	3.85	24.533	0.0143	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.718	-0.0016	-2.5 to 2.5	Pass
					3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-5.836	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-7.610	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-10.471	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-12.431	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-12.274	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-13.747	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-12.116	-0.0070	-2.5 to 2.5	Pass
				50	3.85	-9.942	-0.0057	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	12.531	0.0072	-2.5 to 2.5	Pass
					3.85	13.862	0.0079	-2.5 to 2.5	Pass
					4.43	11.187	0.0064	-2.5 to 2.5	Pass
				-30	3.85	8.240	0.0047	-2.5 to 2.5	Pass
				-20	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				-10	3.85	6.166	0.0035	-2.5 to 2.5	Pass
				0	3.85	9.685	0.0056	-2.5 to 2.5	Pass
				10	3.85	5.422	0.0031	-2.5 to 2.5	Pass
				30	3.85	4.263	0.0024	-2.5 to 2.5	Pass
				40	3.85	4.778	0.0027	-2.5 to 2.5	Pass
				50	3.85	4.549	0.0026	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

3.1.2 B4_3MHz

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
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3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

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

3.1.5 B4_15MHz

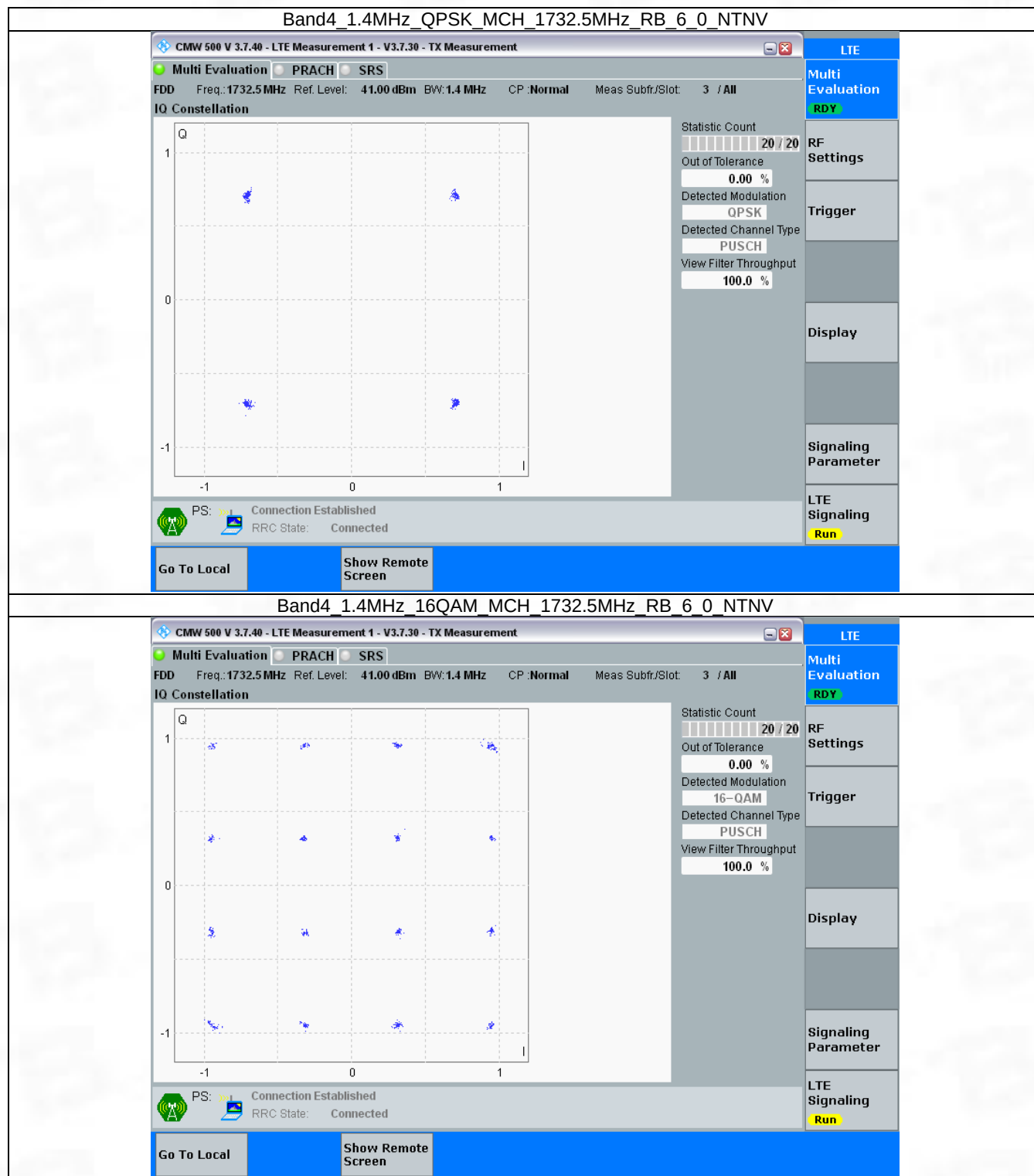
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

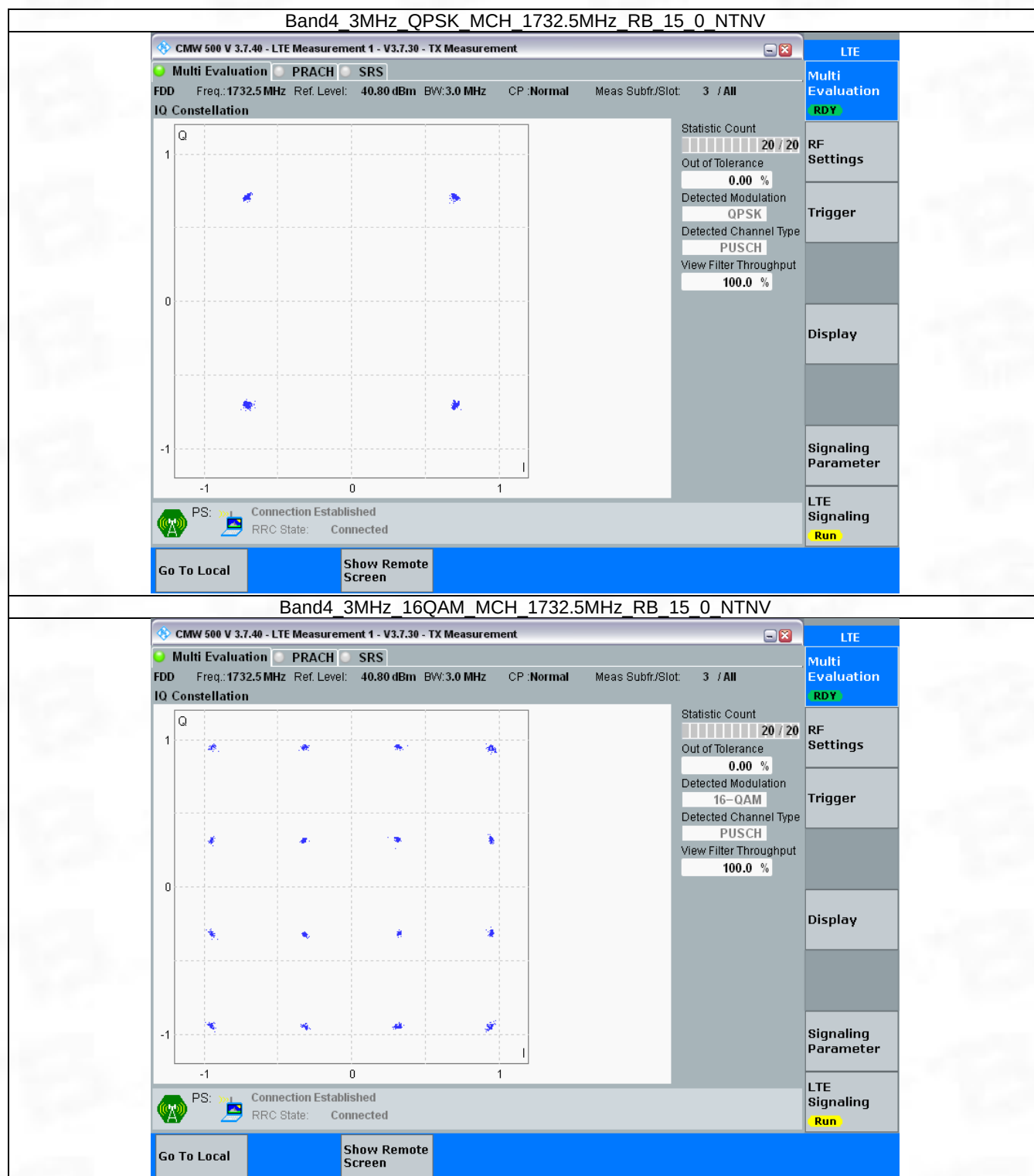
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

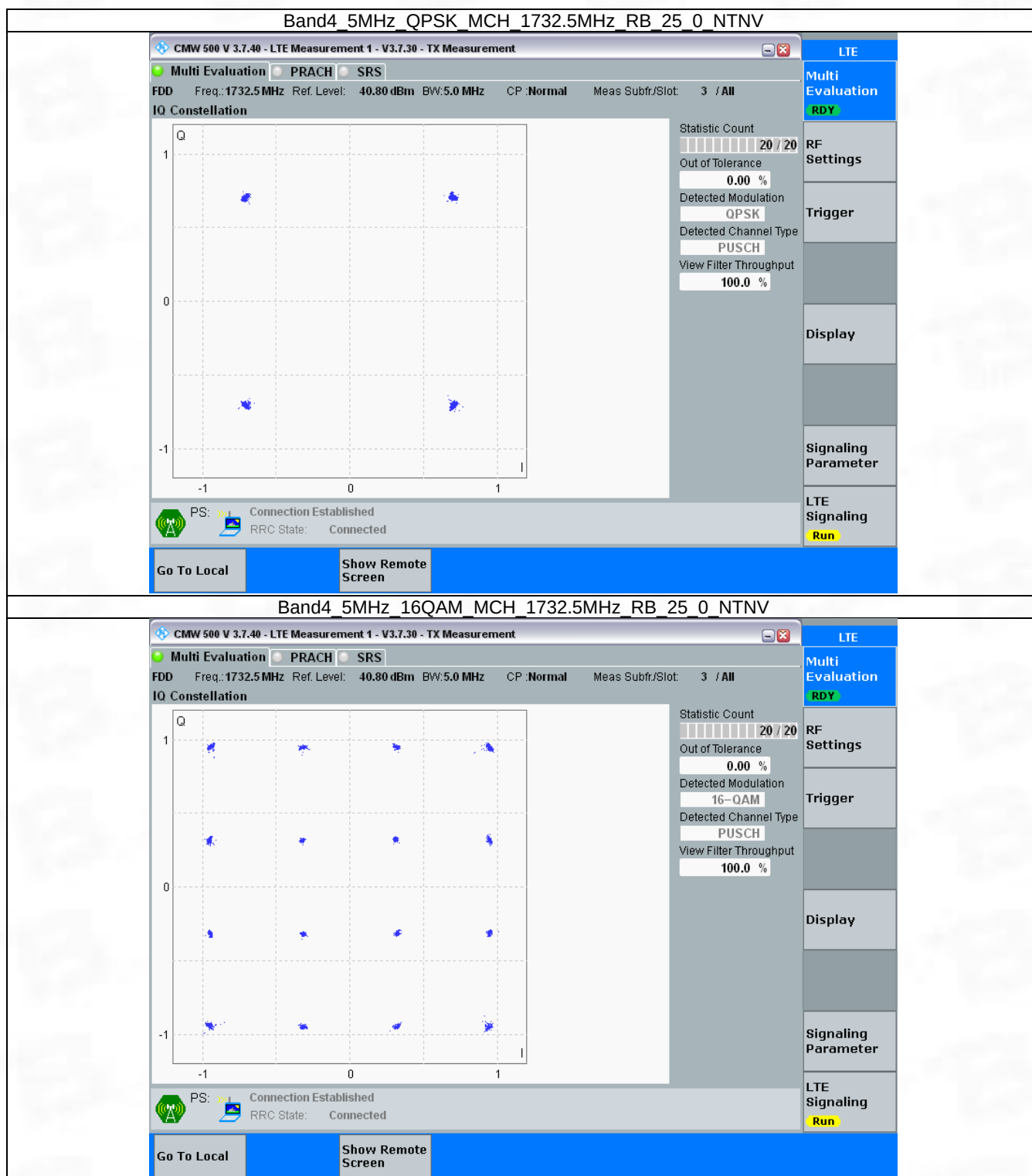
3.2.1 B4_1.4MHz



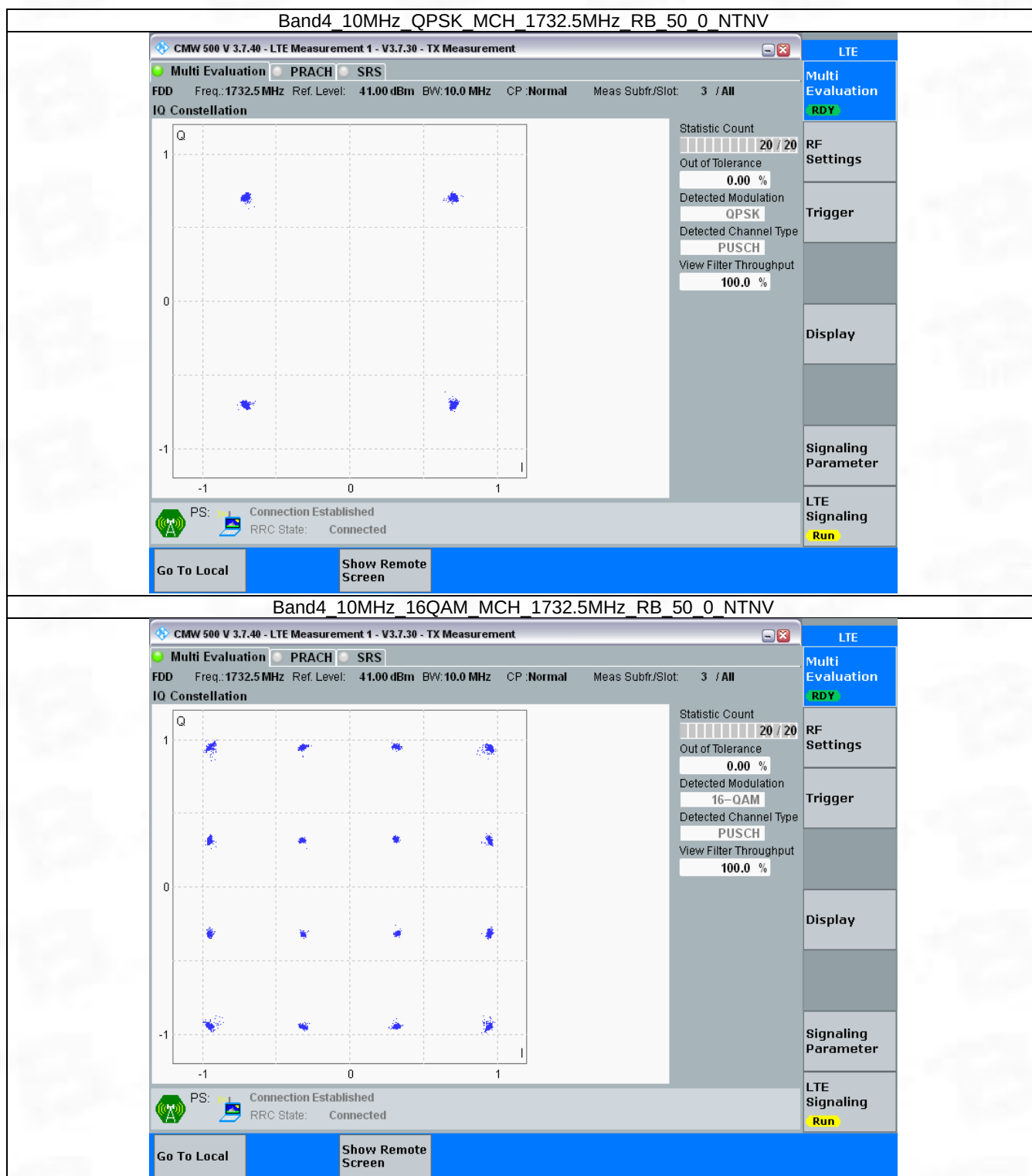
3.2.2 B4_3MHz



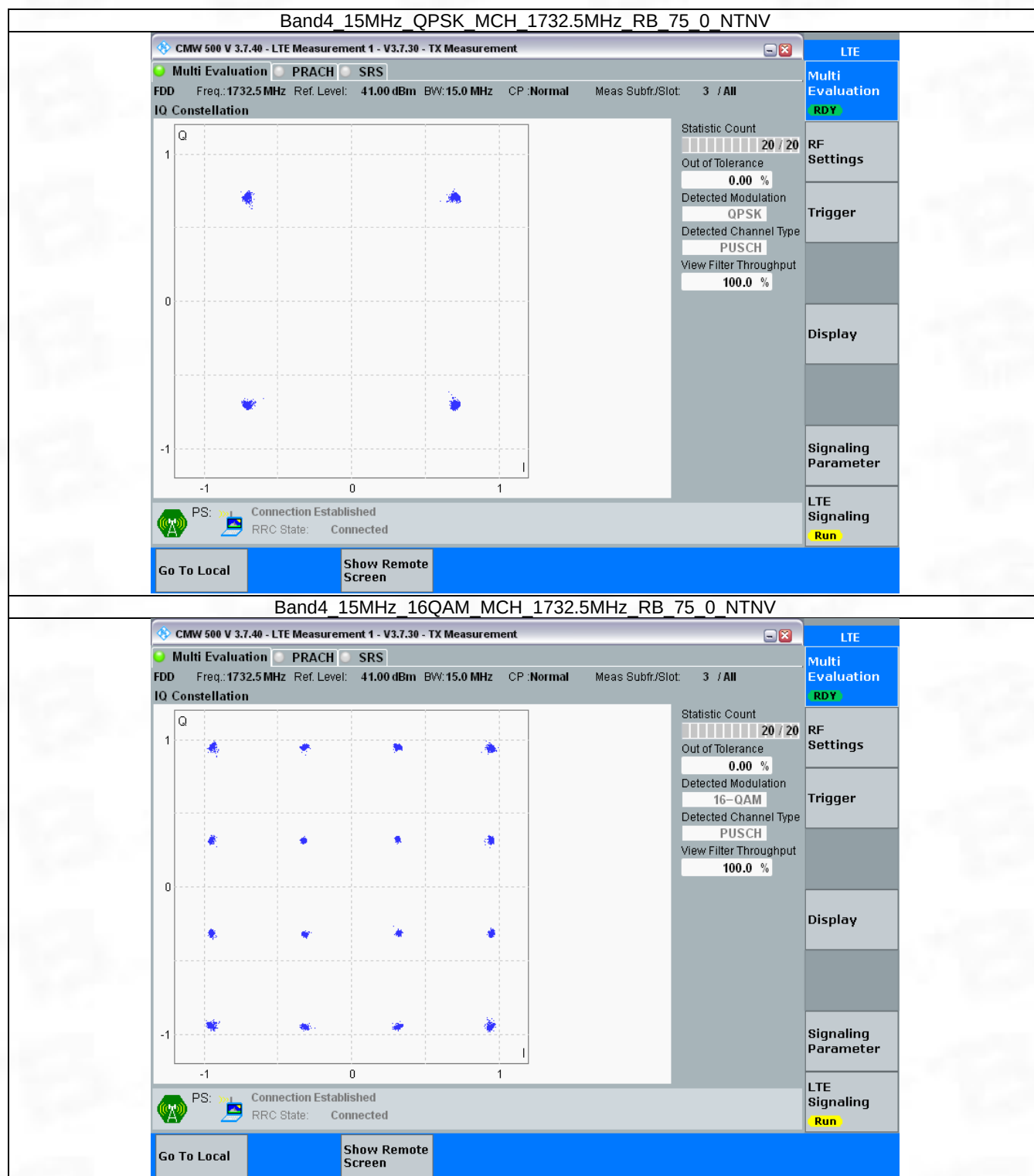
3.2.3 B4_5MHz



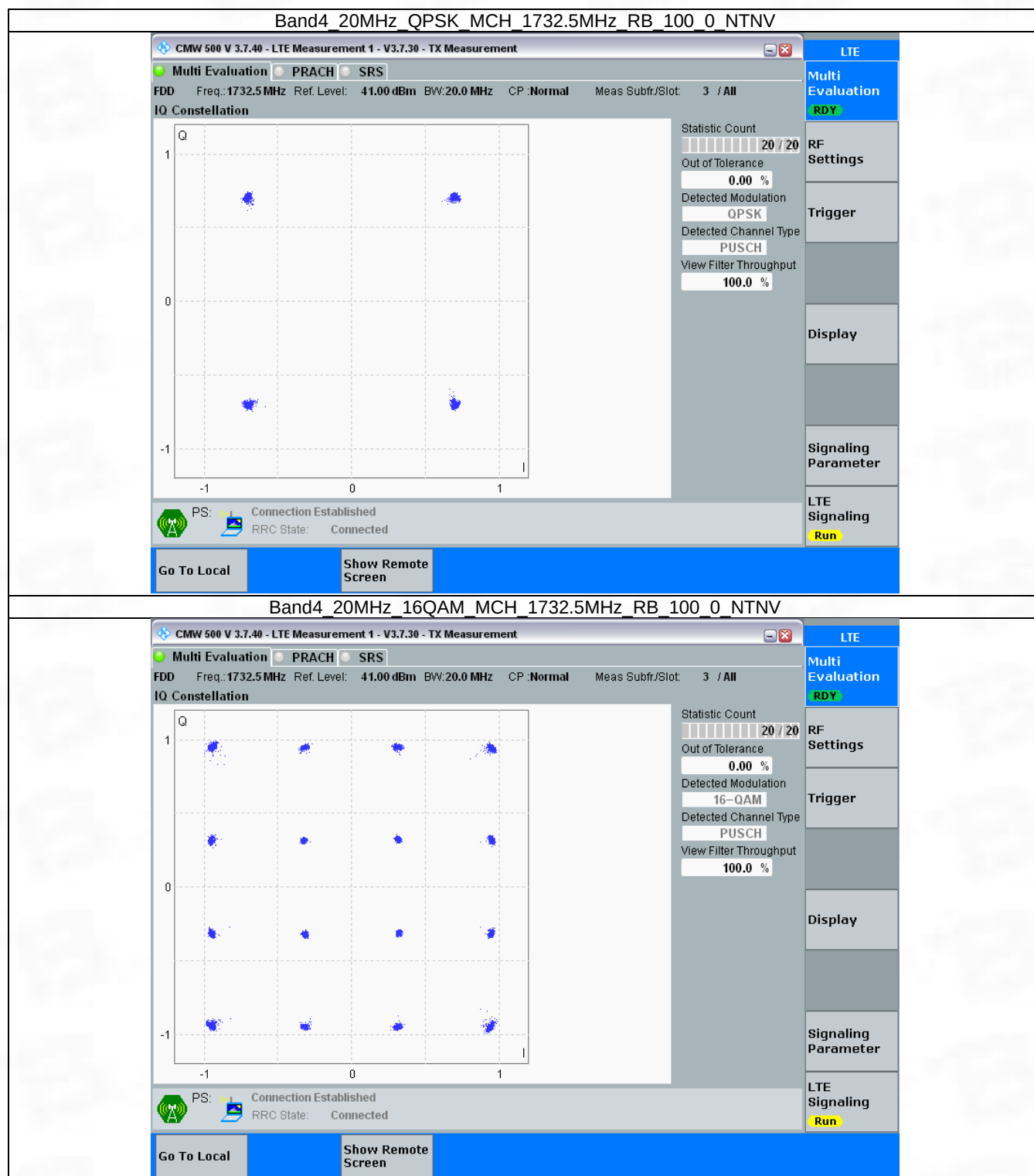
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.117	/	Pass
		1732.5	6	0	1.114	/	Pass
		1754.3	6	0	1.113	/	Pass
	16QAM	1710.7	6	0	1.110	/	Pass
		1732.5	6	0	1.107	/	Pass
		1754.3	6	0	1.122	/	Pass
3	QPSK	1711.5	15	0	2.755	/	Pass
		1732.5	15	0	2.742	/	Pass
		1753.5	15	0	2.767	/	Pass
	16QAM	1711.5	15	0	2.764	/	Pass
		1732.5	15	0	2.759	/	Pass
		1753.5	15	0	2.745	/	Pass
5	QPSK	1712.5	25	0	4.571	/	Pass
		1732.5	25	0	4.551	/	Pass
		1752.5	25	0	4.550	/	Pass
	16QAM	1712.5	25	0	4.560	/	Pass
		1732.5	25	0	4.595	/	Pass
		1752.5	25	0	4.549	/	Pass
10	QPSK	1715	50	0	9.067	/	Pass
		1732.5	50	0	9.058	/	Pass
		1750	50	0	9.065	/	Pass
	16QAM	1715	50	0	9.065	/	Pass
		1732.5	50	0	9.071	/	Pass
		1750	50	0	9.064	/	Pass
15	QPSK	1717.5	75	0	13.623	/	Pass
		1732.5	75	0	13.586	/	Pass
		1747.5	75	0	13.602	/	Pass
	16QAM	1717.5	75	0	13.625	/	Pass
		1732.5	75	0	13.657	/	Pass
		1747.5	75	0	13.590	/	Pass
20	QPSK	1720	100	0	18.142	/	Pass
		1732.5	100	0	18.171	/	Pass
		1745	100	0	18.085	/	Pass
	16QAM	1720	100	0	18.128	/	Pass
		1732.5	100	0	18.165	/	Pass
		1745	100	0	18.190	/	Pass

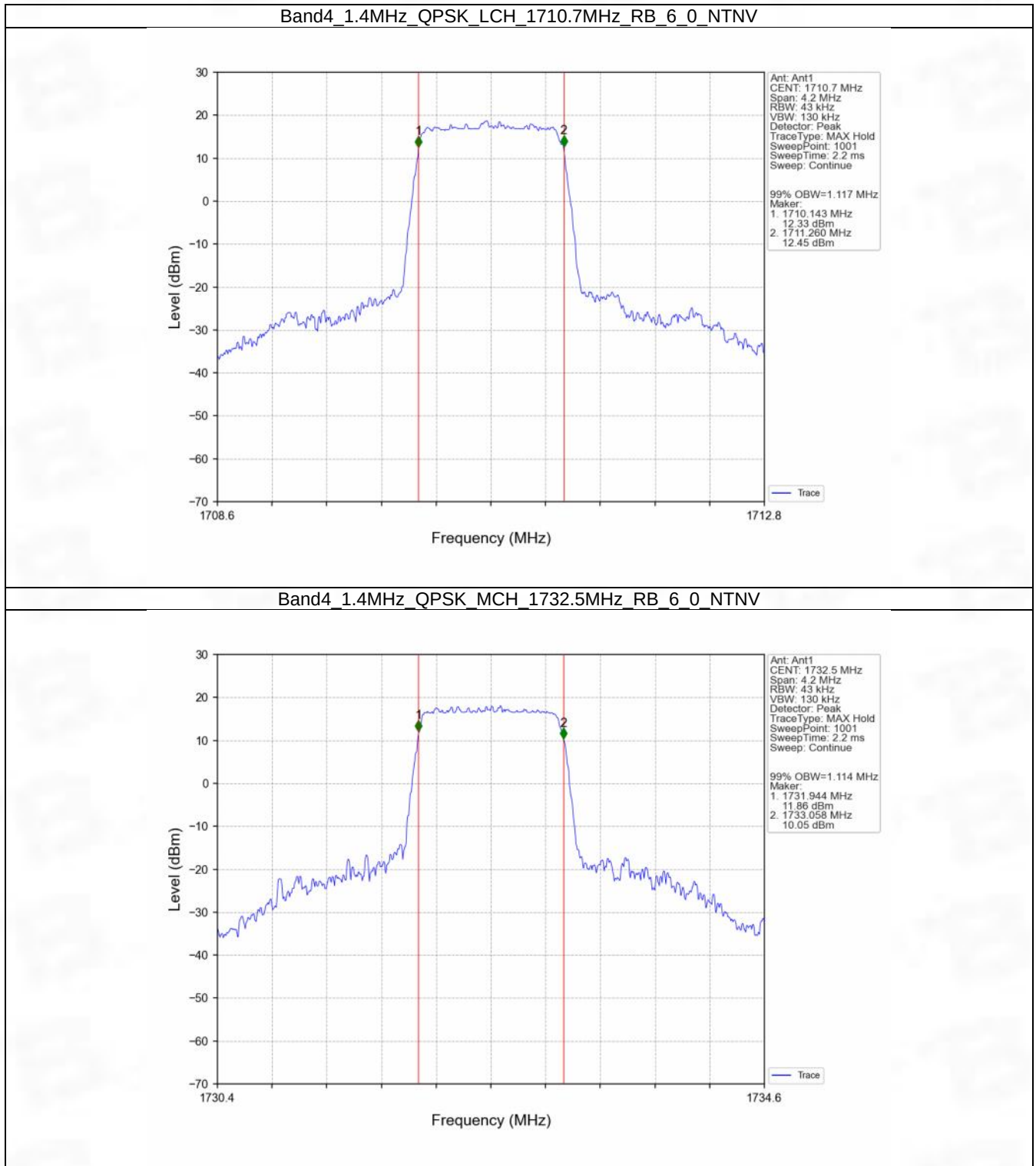
4.1.2 Band4_XDB

Band: 4 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.278	/	Pass
		1732.5	6	0	1.274	/	Pass
		1754.3	6	0	1.277	/	Pass
	16QAM	1710.7	6	0	1.275	/	Pass
		1710.7	6	0	1.275	/	Pass

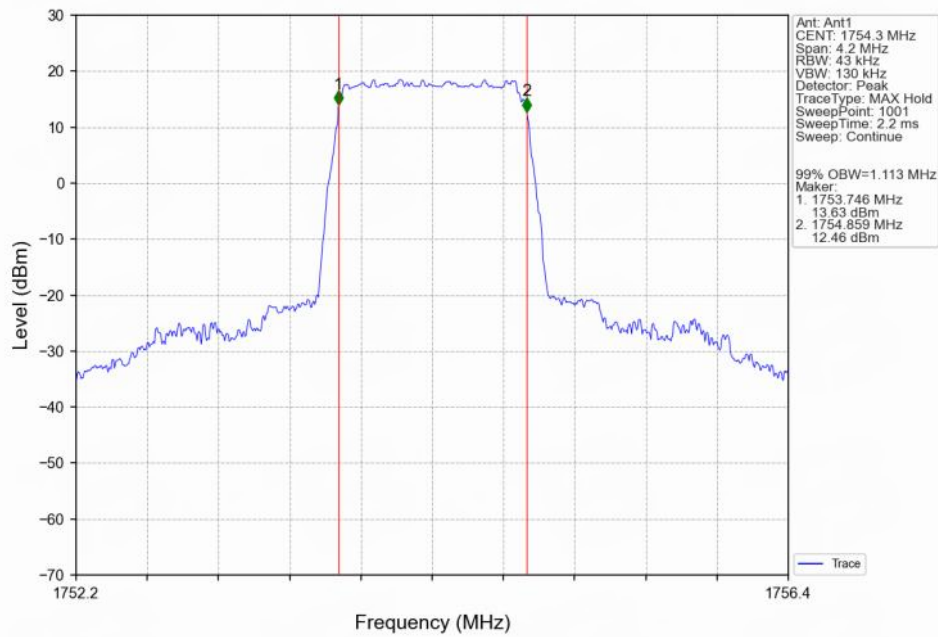
		1732.5	6	0	1.267	/	Pass
		1754.3	6	0	1.277	/	Pass
3	QPSK	1711.5	15	0	3.113	/	Pass
		1732.5	15	0	3.091	/	Pass
		1753.5	15	0	3.090	/	Pass
	16QAM	1711.5	15	0	3.100	/	Pass
		1732.5	15	0	3.101	/	Pass
		1753.5	15	0	3.109	/	Pass
5	QPSK	1712.5	25	0	5.040	/	Pass
		1732.5	25	0	5.062	/	Pass
		1752.5	25	0	5.061	/	Pass
	16QAM	1712.5	25	0	5.033	/	Pass
		1732.5	25	0	5.088	/	Pass
		1752.5	25	0	5.051	/	Pass
10	QPSK	1715	50	0	10.032	/	Pass
		1732.5	50	0	10.048	/	Pass
		1750	50	0	10.080	/	Pass
	16QAM	1715	50	0	10.029	/	Pass
		1732.5	50	0	10.086	/	Pass
		1750	50	0	10.035	/	Pass
15	QPSK	1717.5	75	0	15.214	/	Pass
		1732.5	75	0	15.116	/	Pass
		1747.5	75	0	15.160	/	Pass
	16QAM	1717.5	75	0	15.199	/	Pass
		1732.5	75	0	15.210	/	Pass
		1747.5	75	0	15.055	/	Pass
20	QPSK	1720	100	0	20.021	/	Pass
		1732.5	100	0	19.964	/	Pass
		1745	100	0	19.945	/	Pass
	16QAM	1720	100	0	19.963	/	Pass
		1732.5	100	0	19.996	/	Pass
		1745	100	0	20.050	/	Pass

4.2 Test Graph

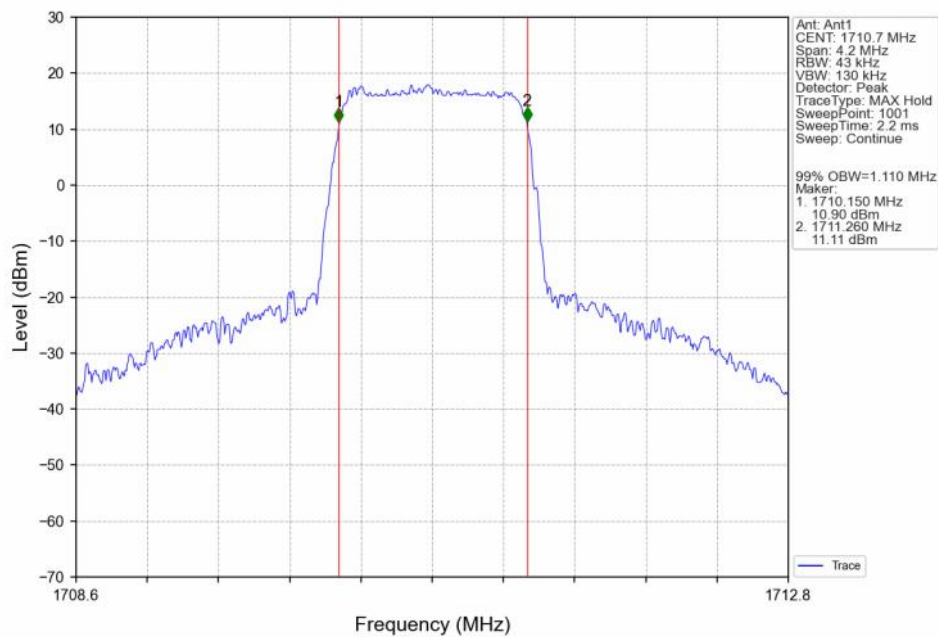
4.2.1 Band4_OBW



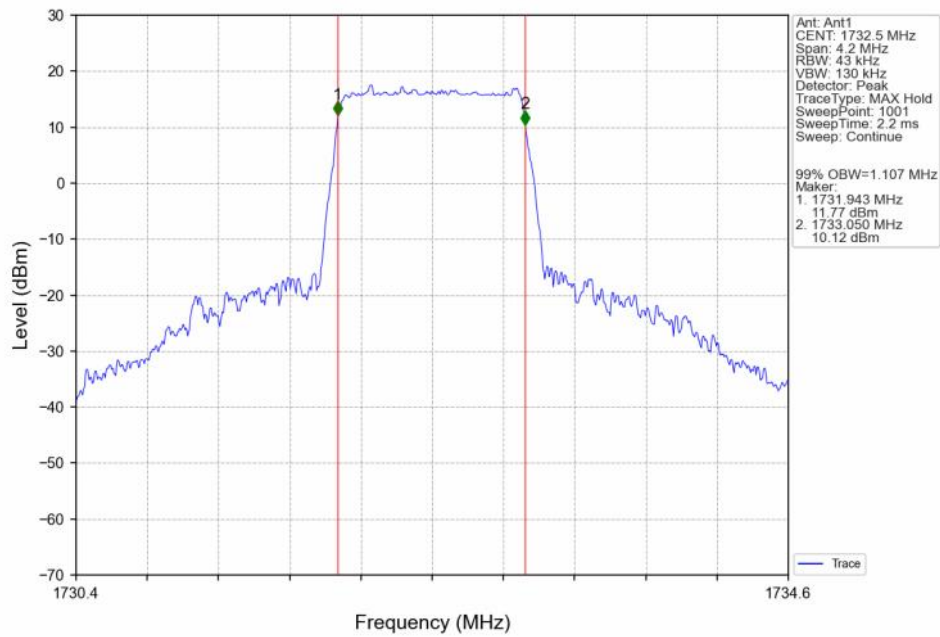
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



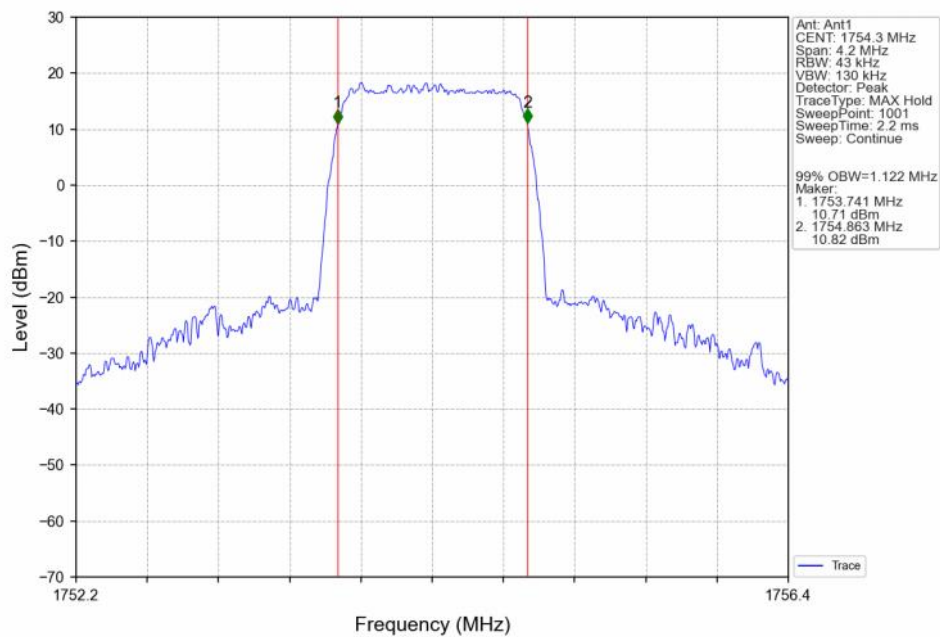
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



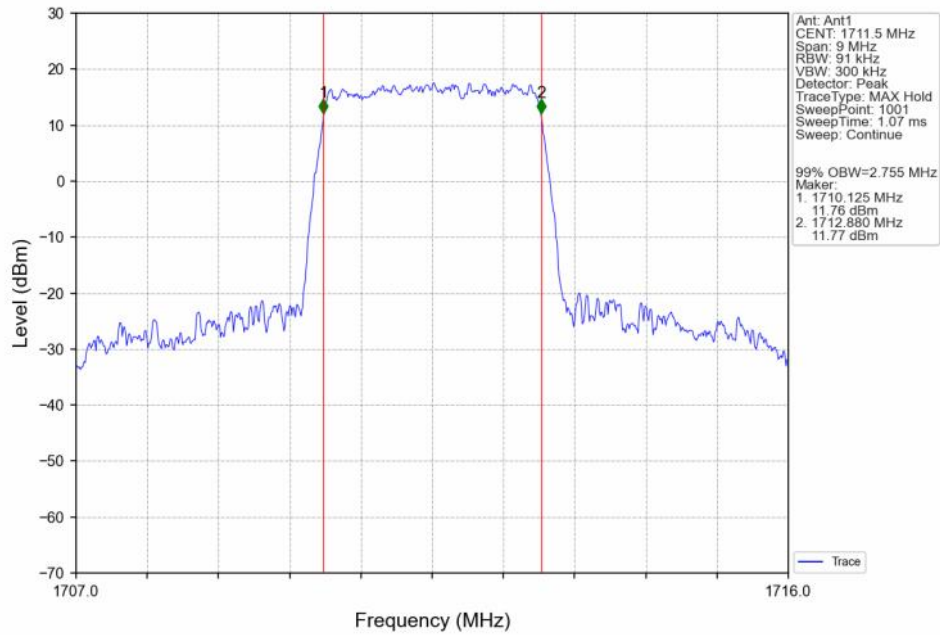
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



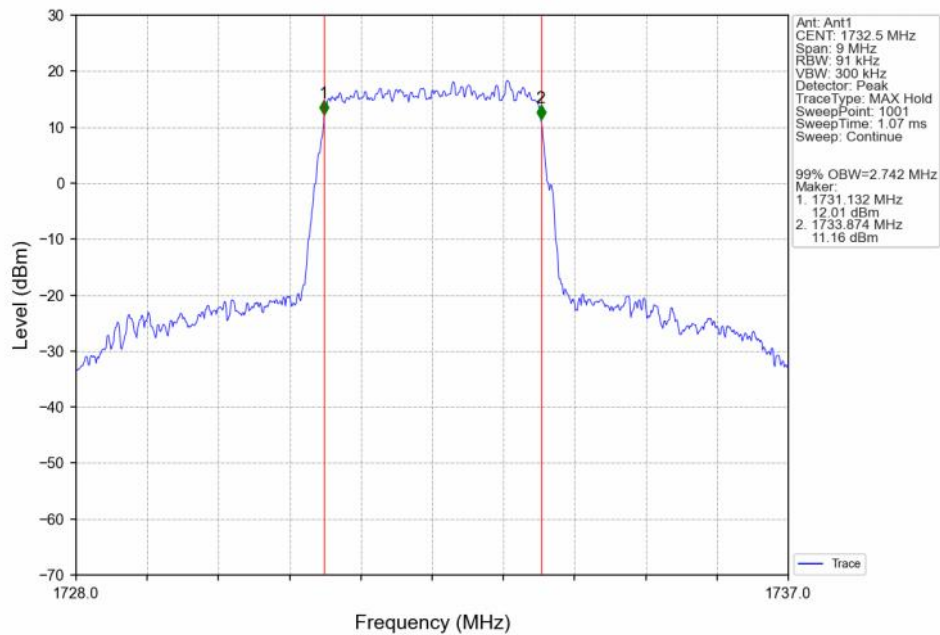
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



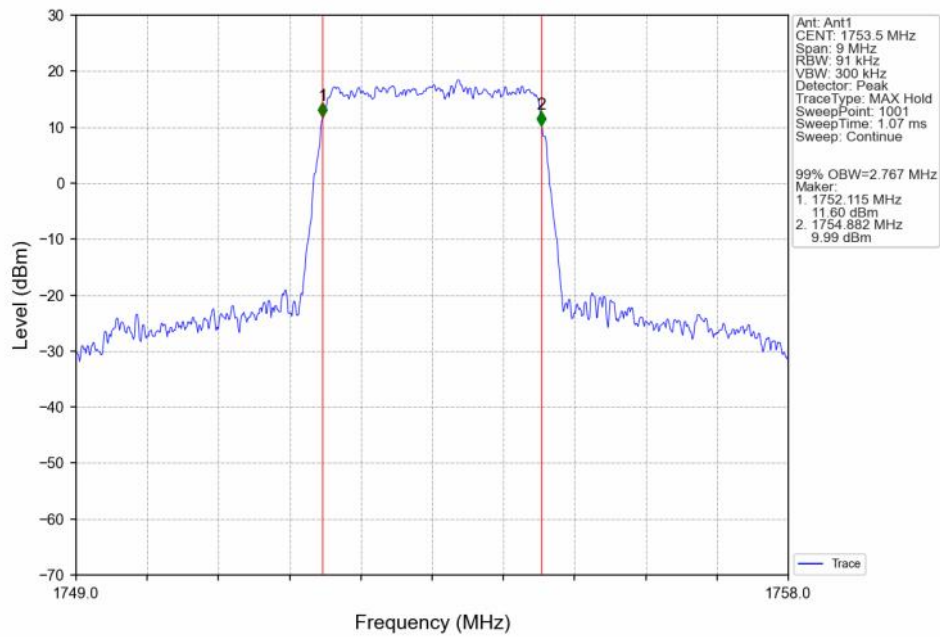
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



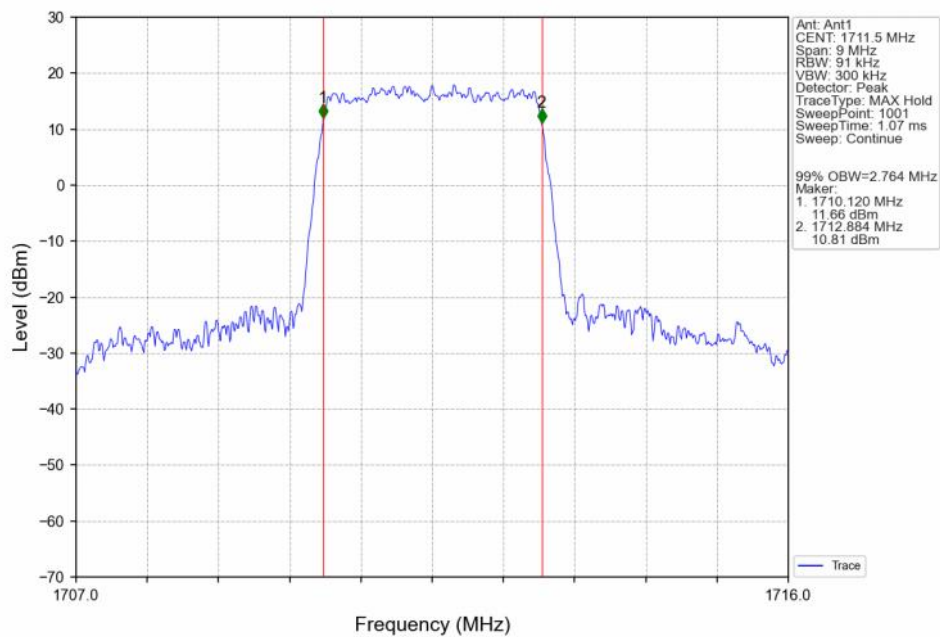
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



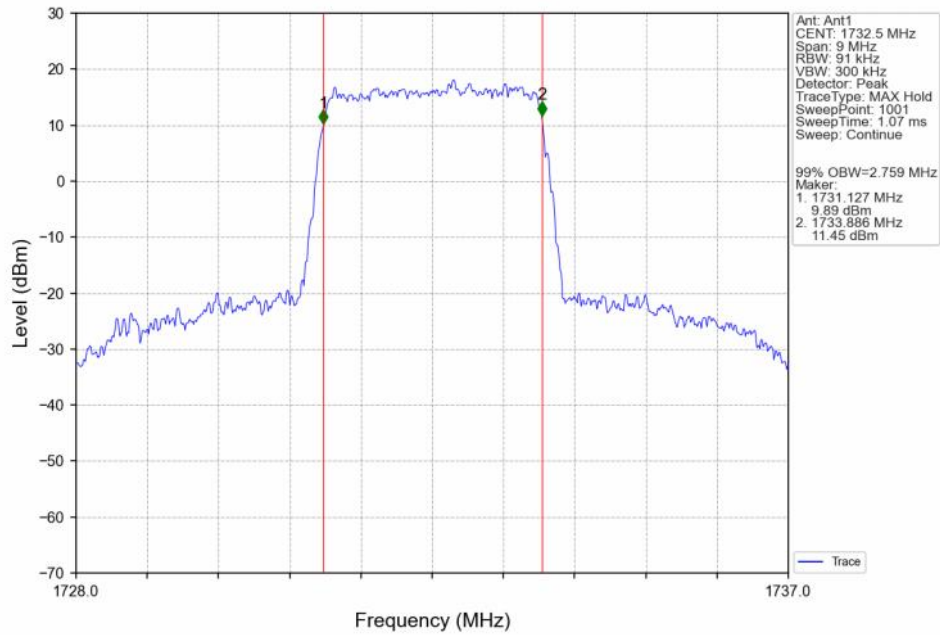
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



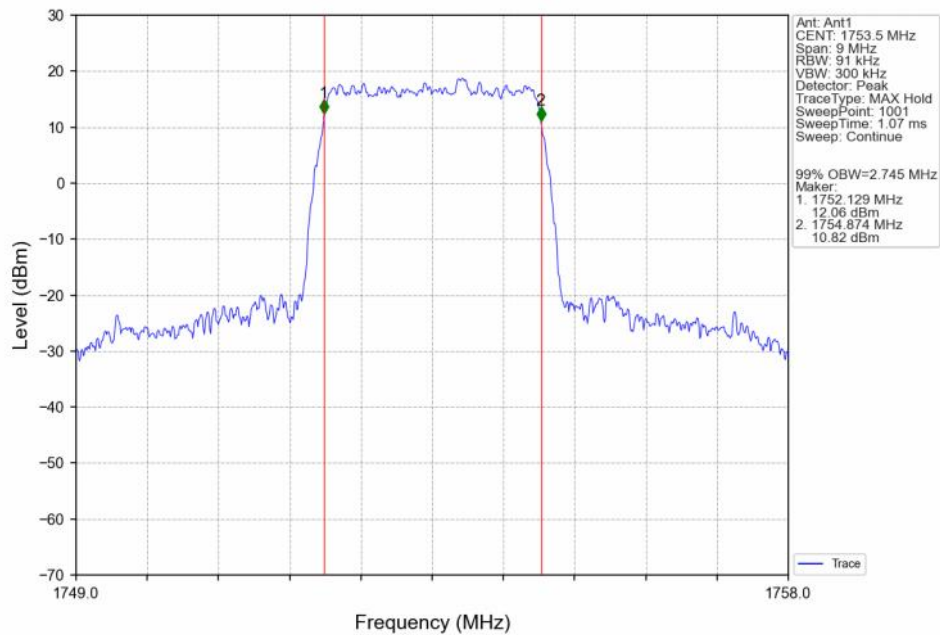
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



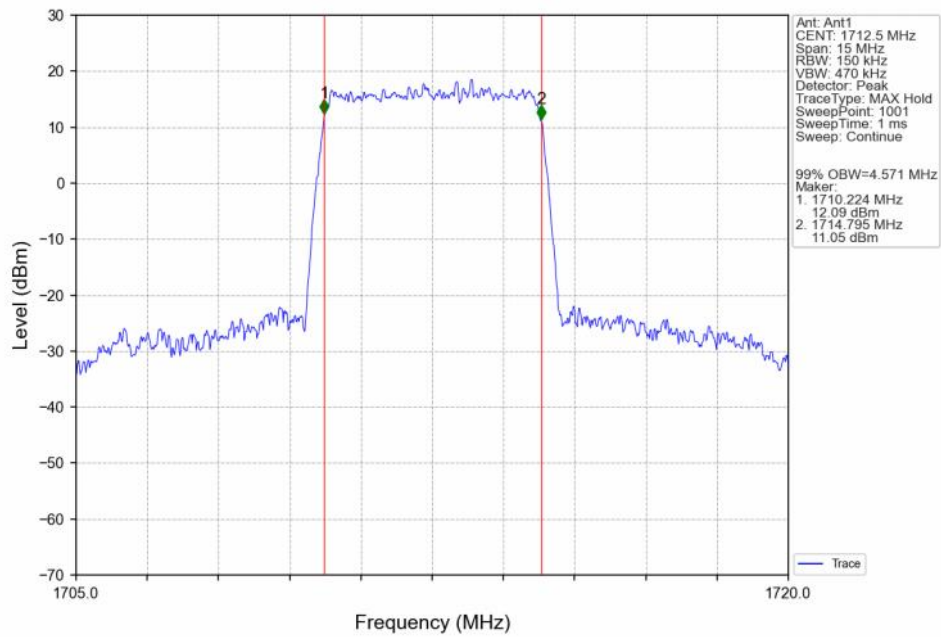
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



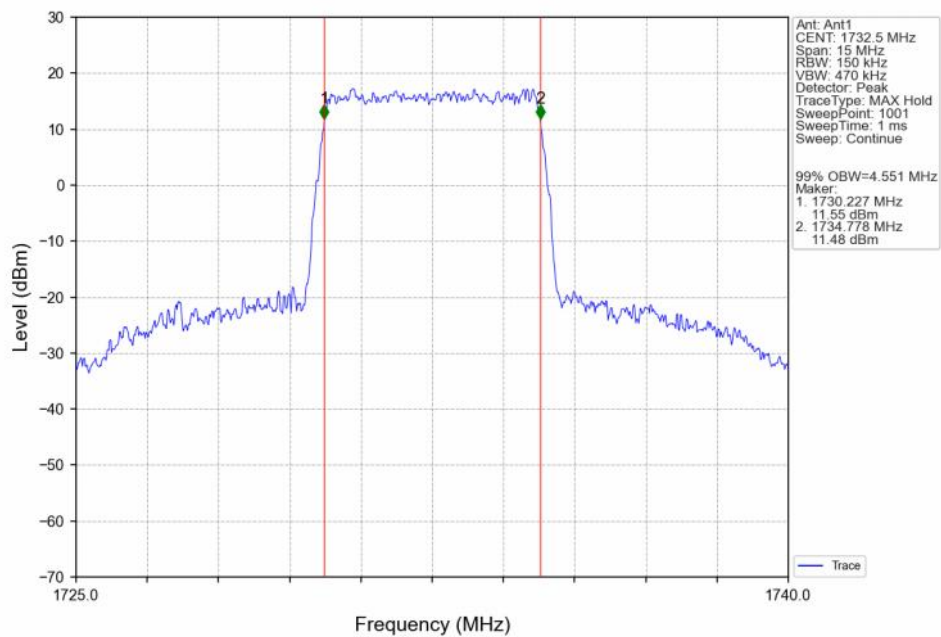
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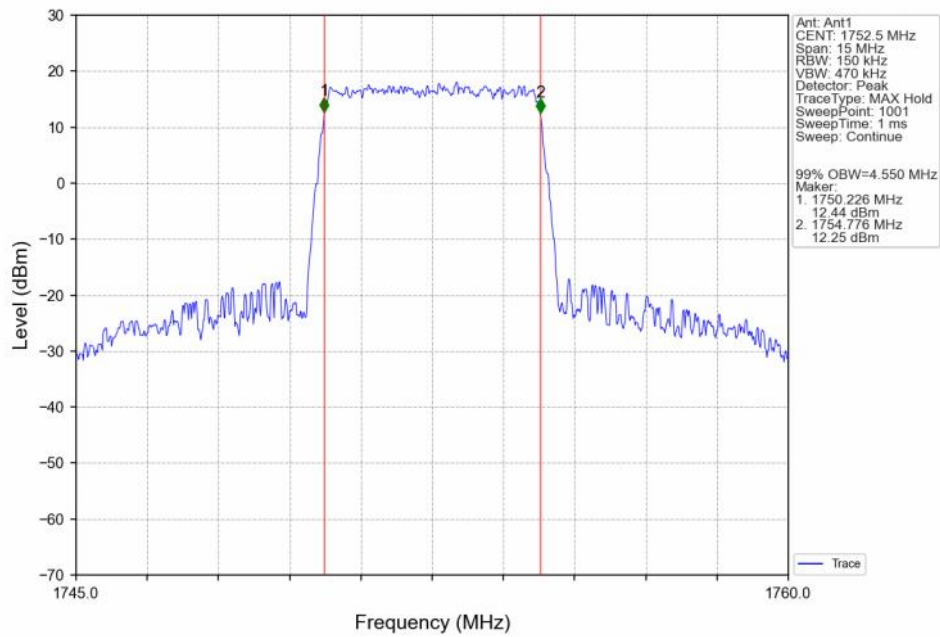
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



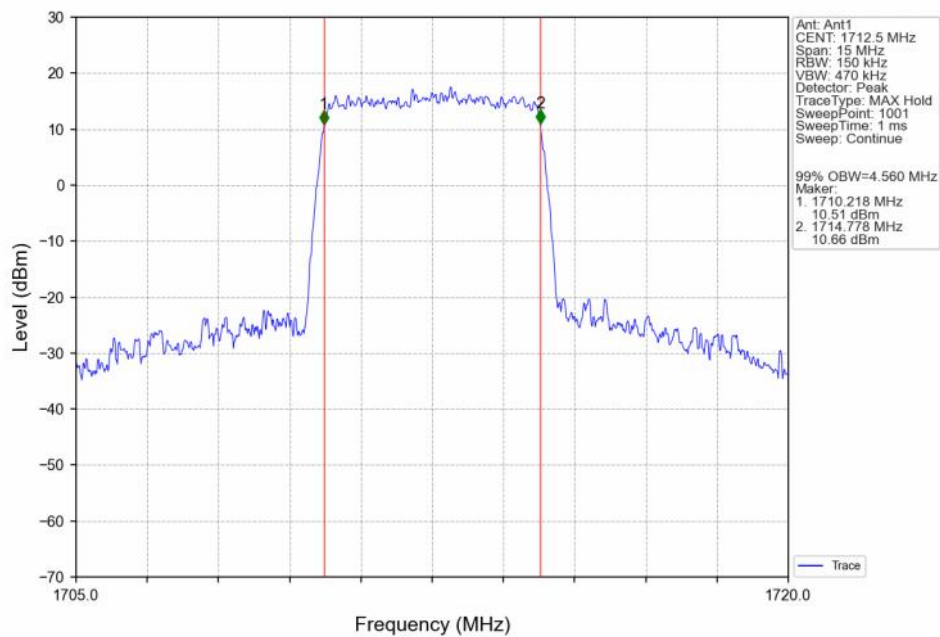
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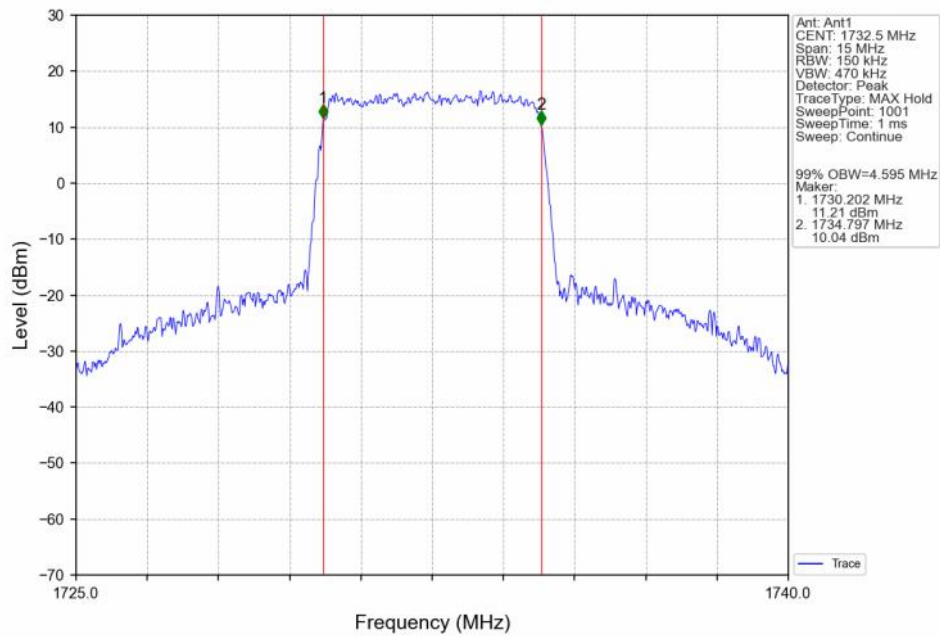
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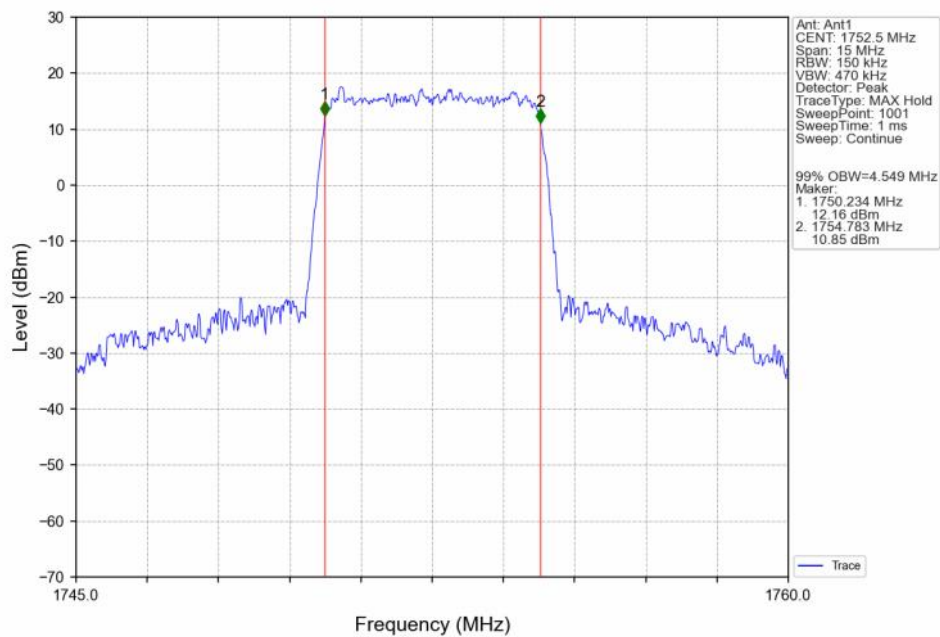
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



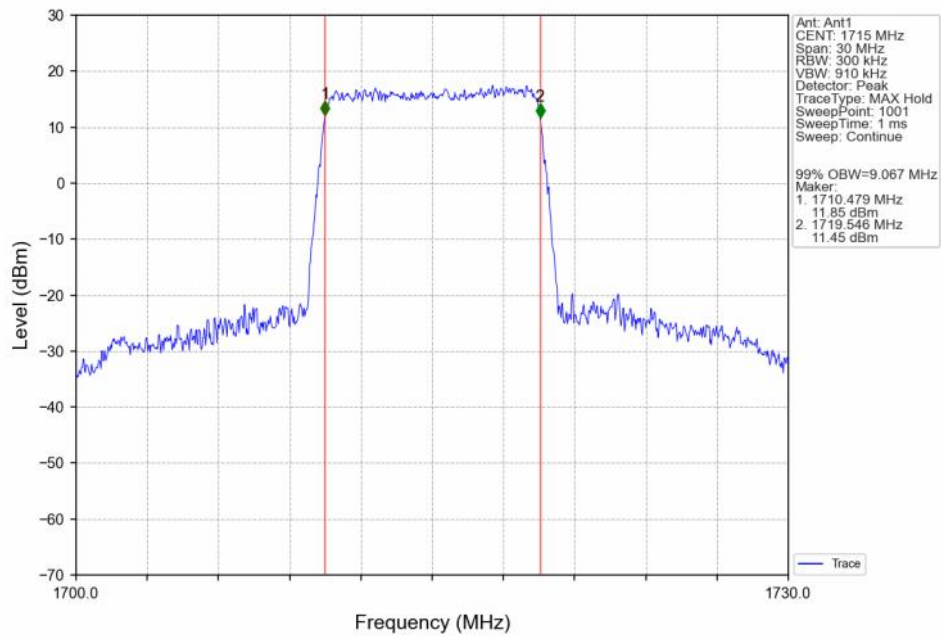
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



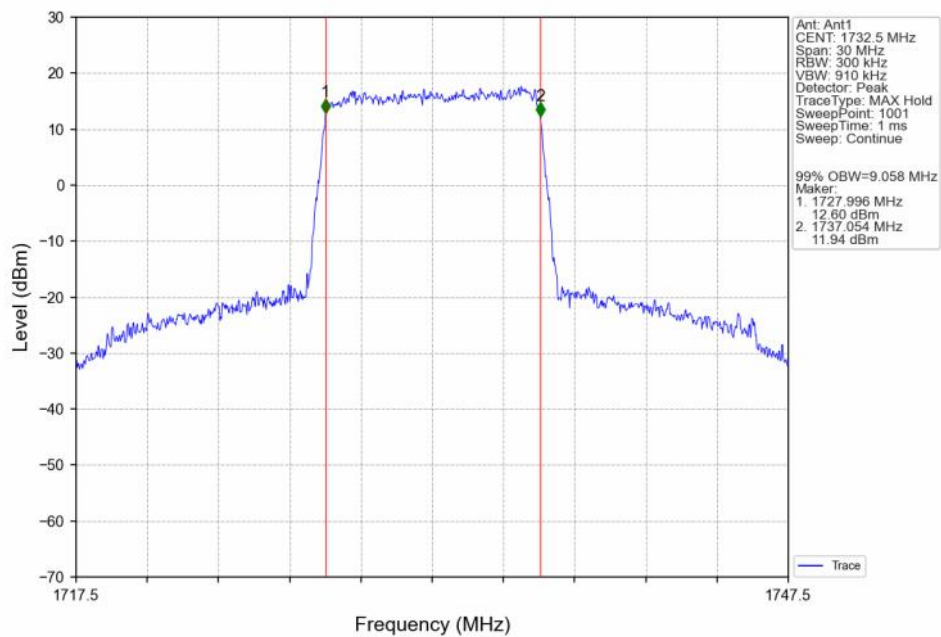
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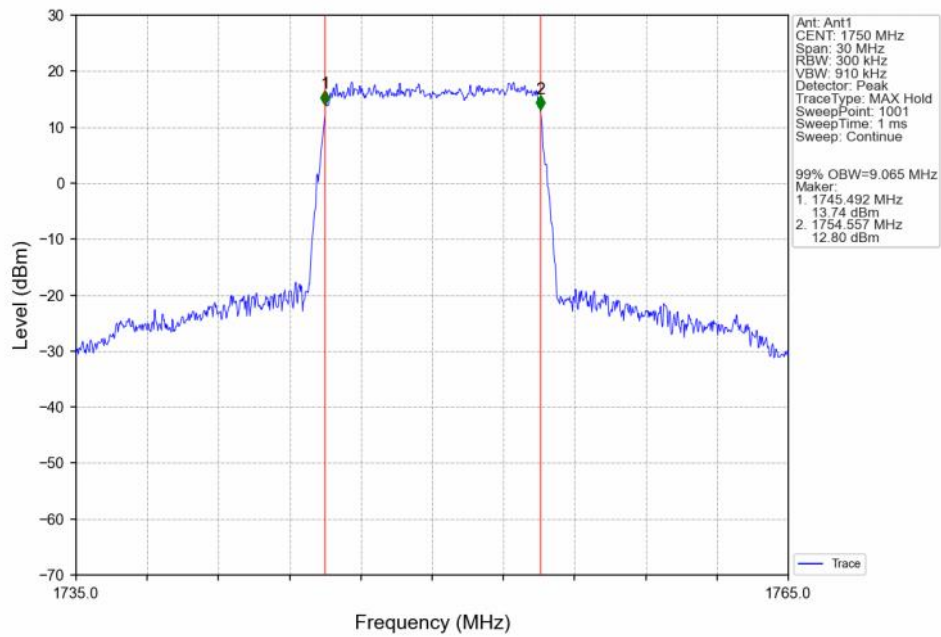
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



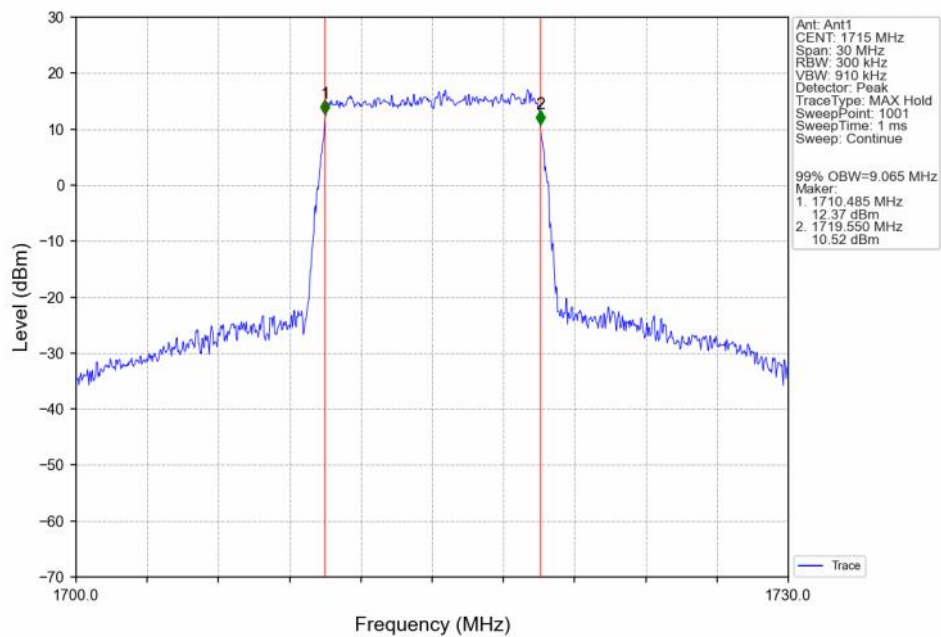
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



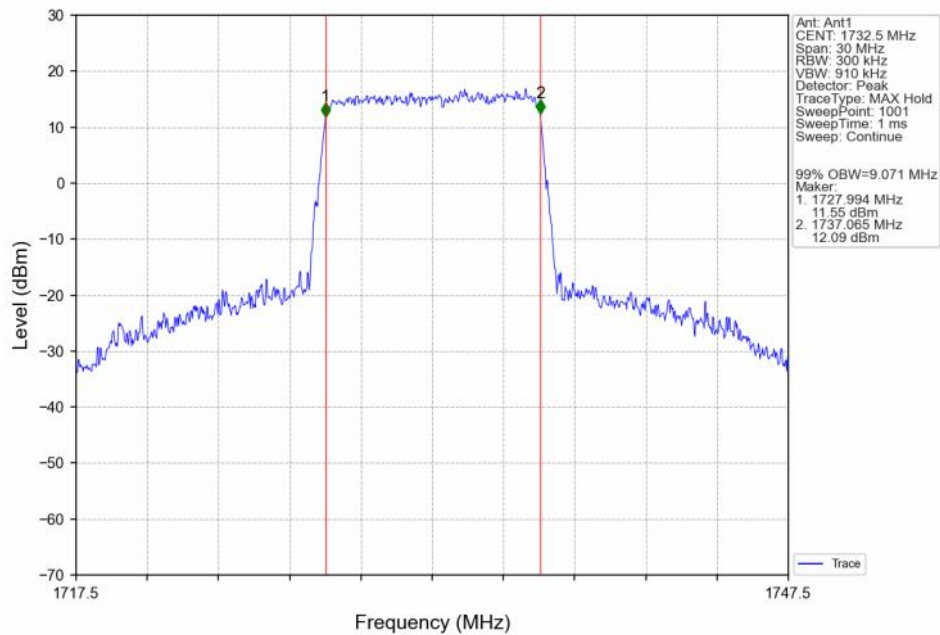
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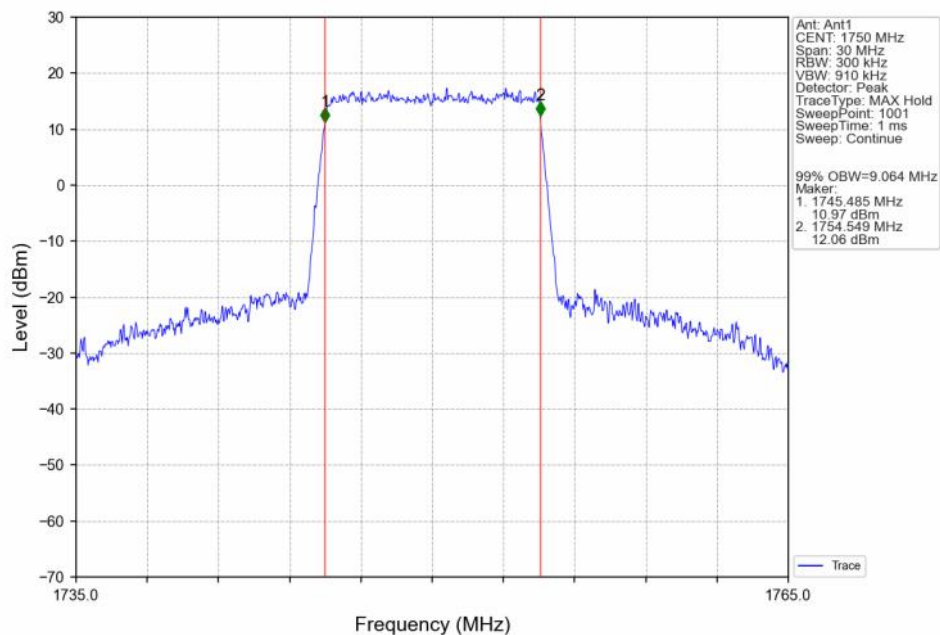
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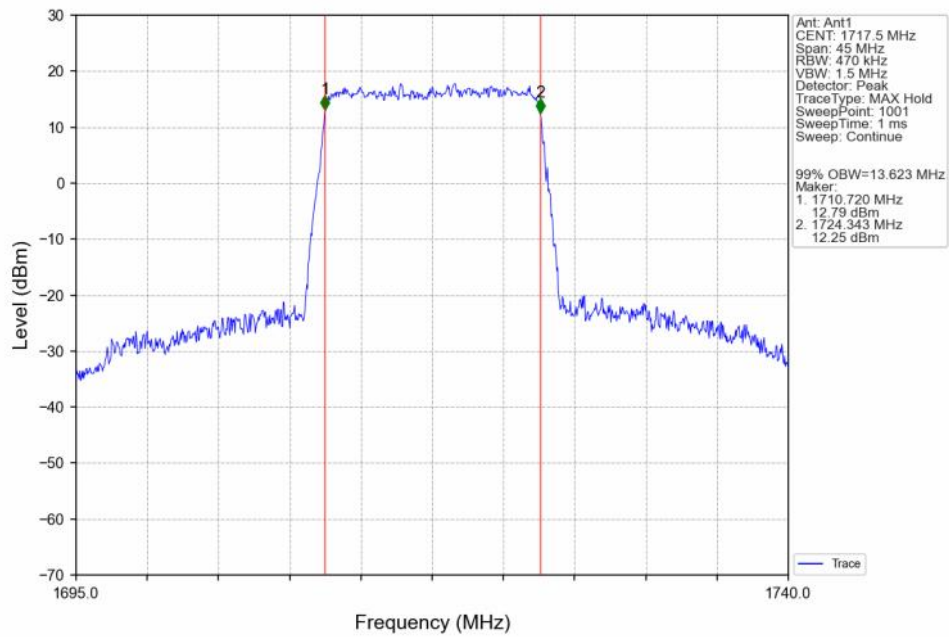
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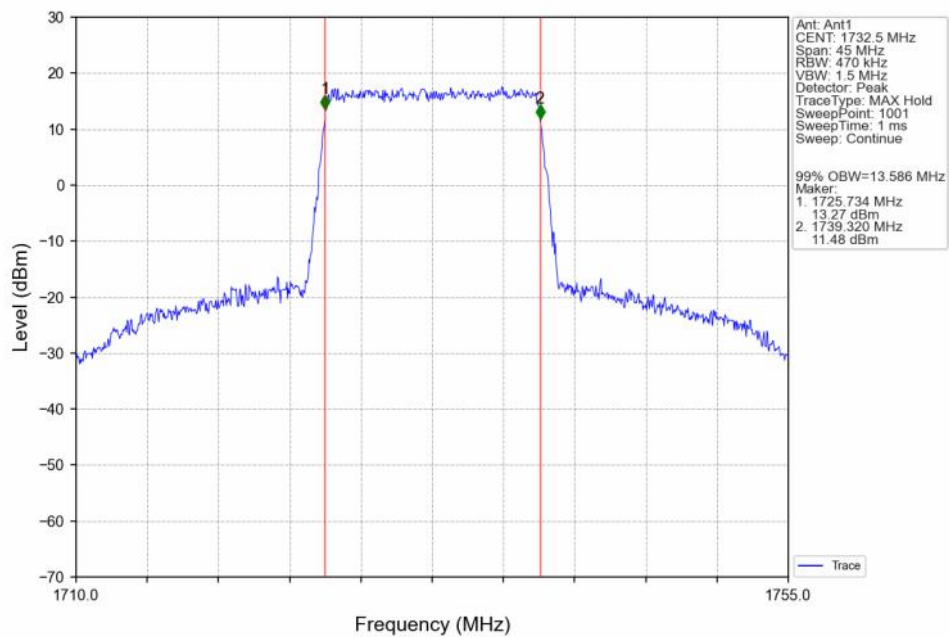
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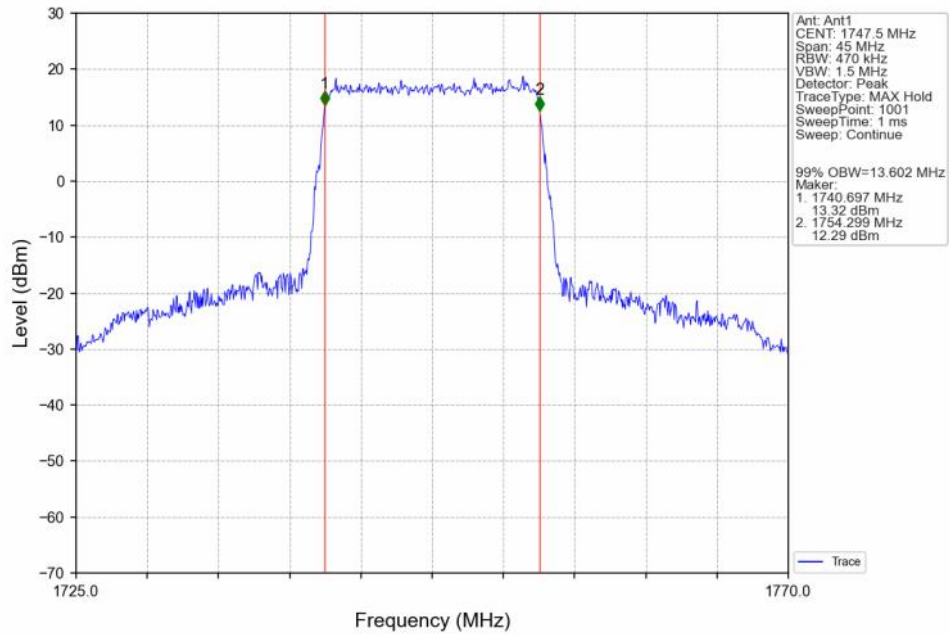
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



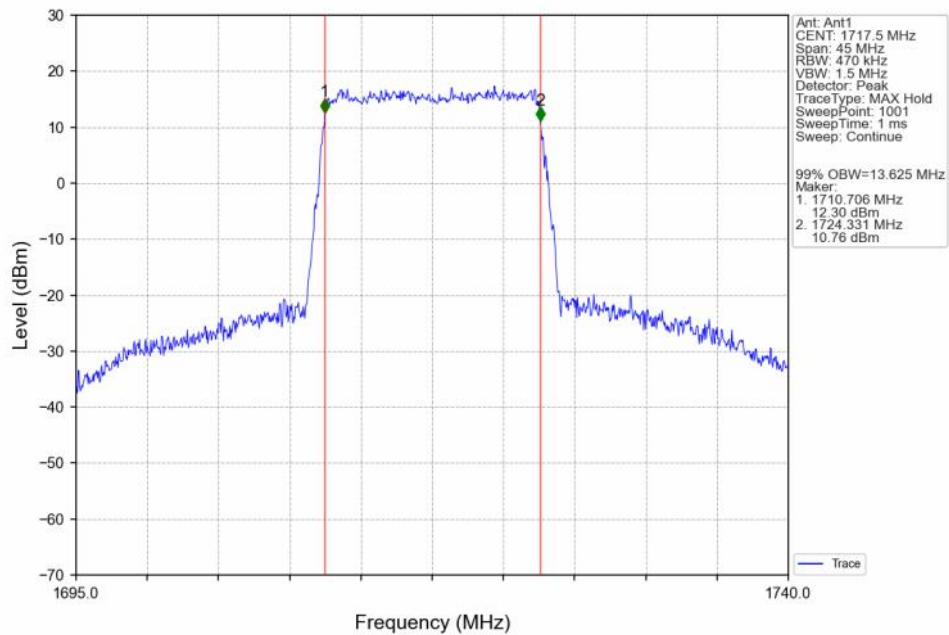
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



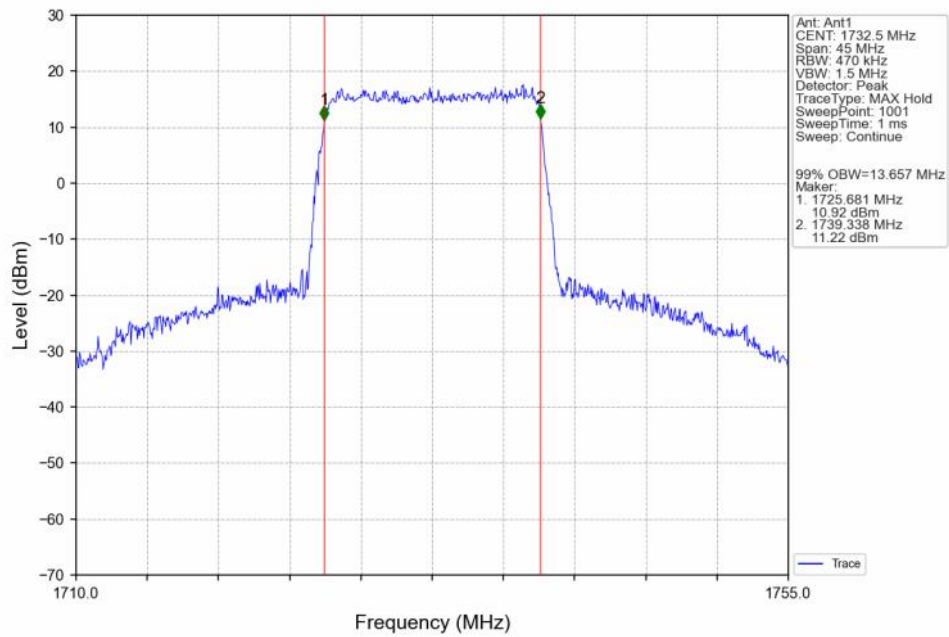
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



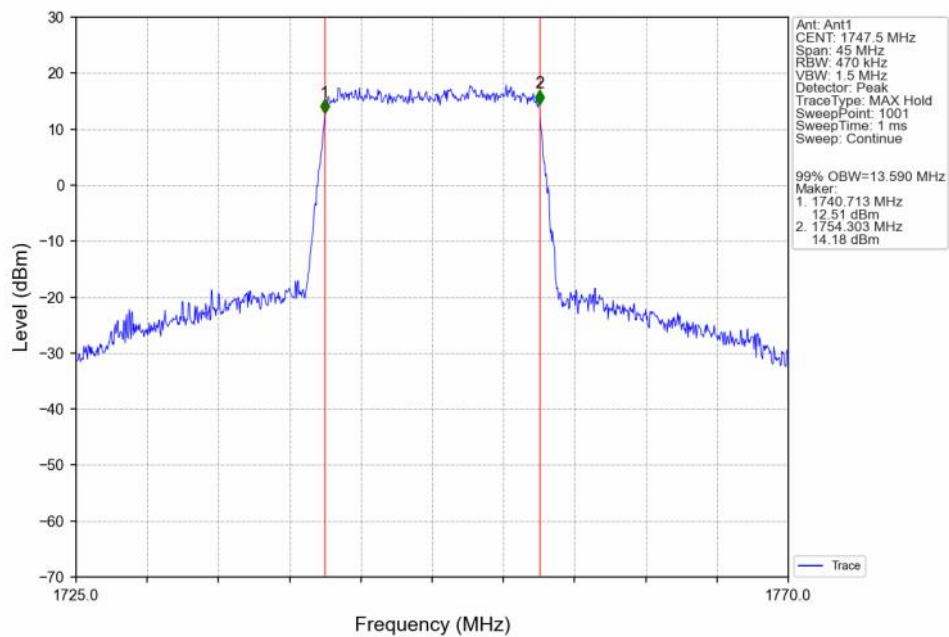
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



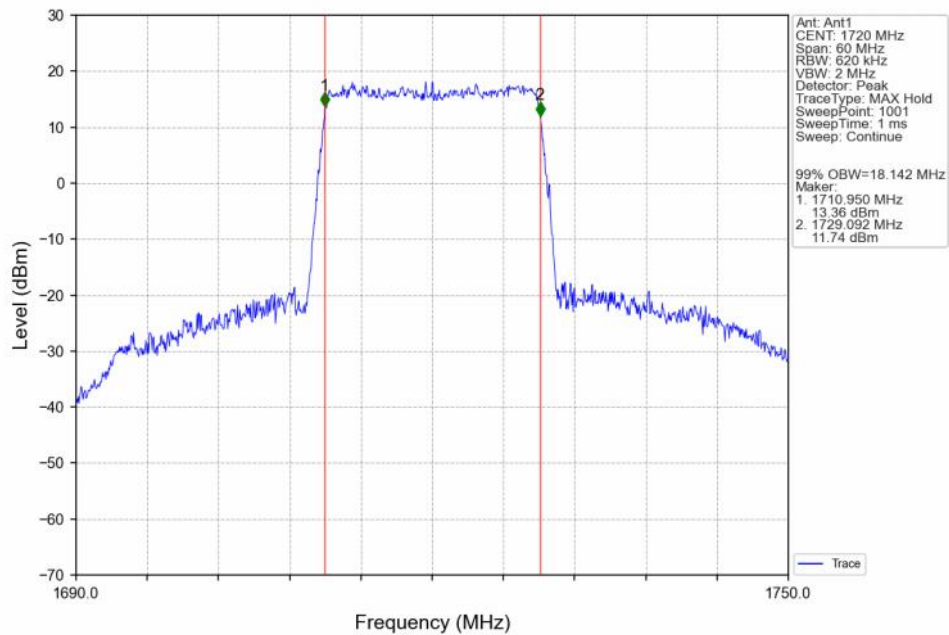
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



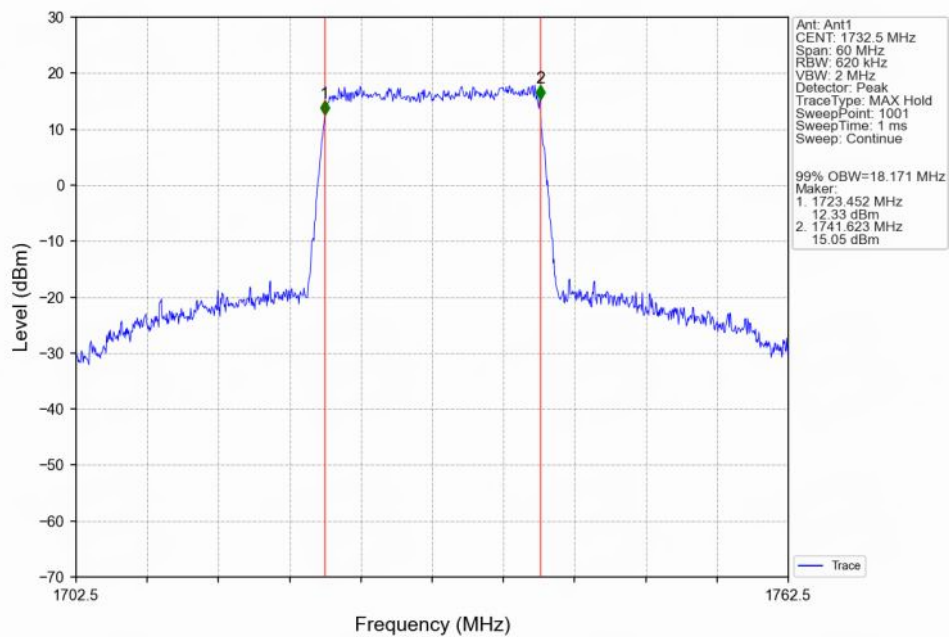
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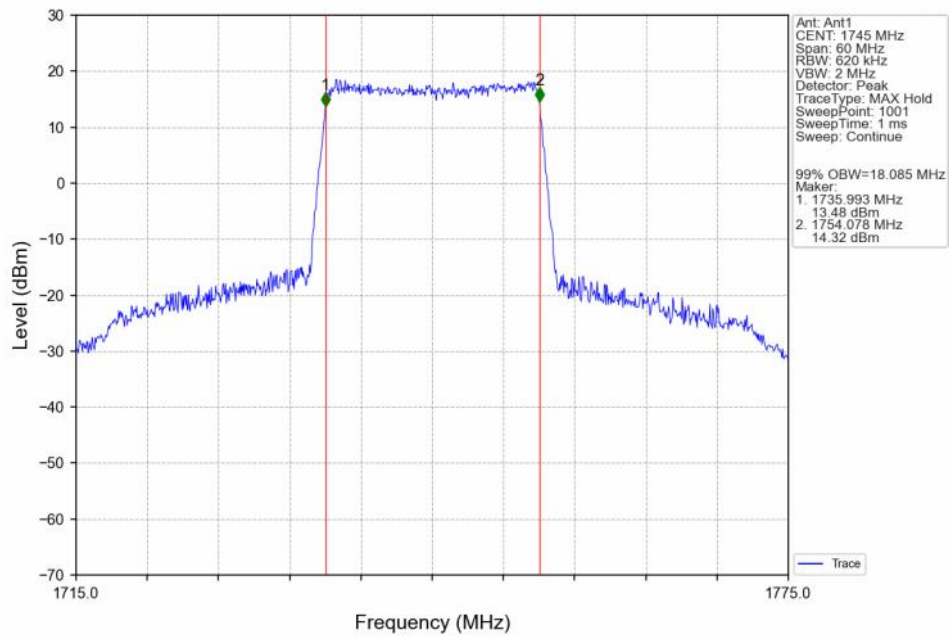
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



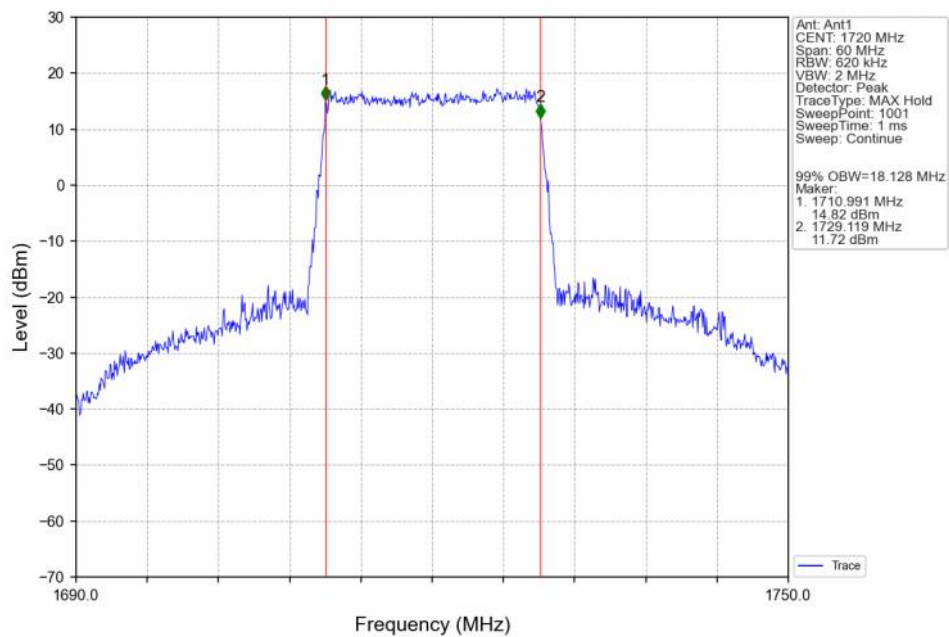
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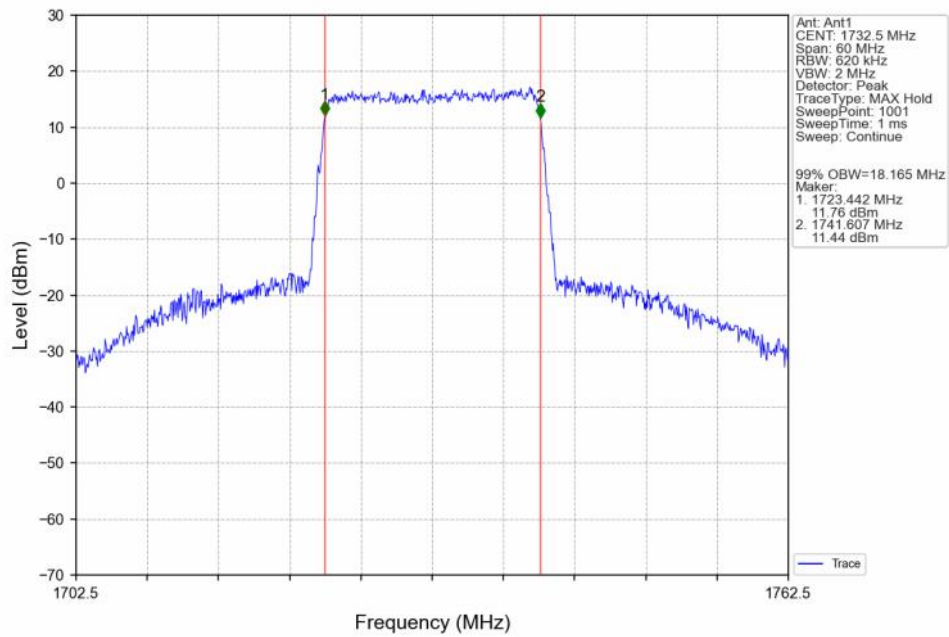
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



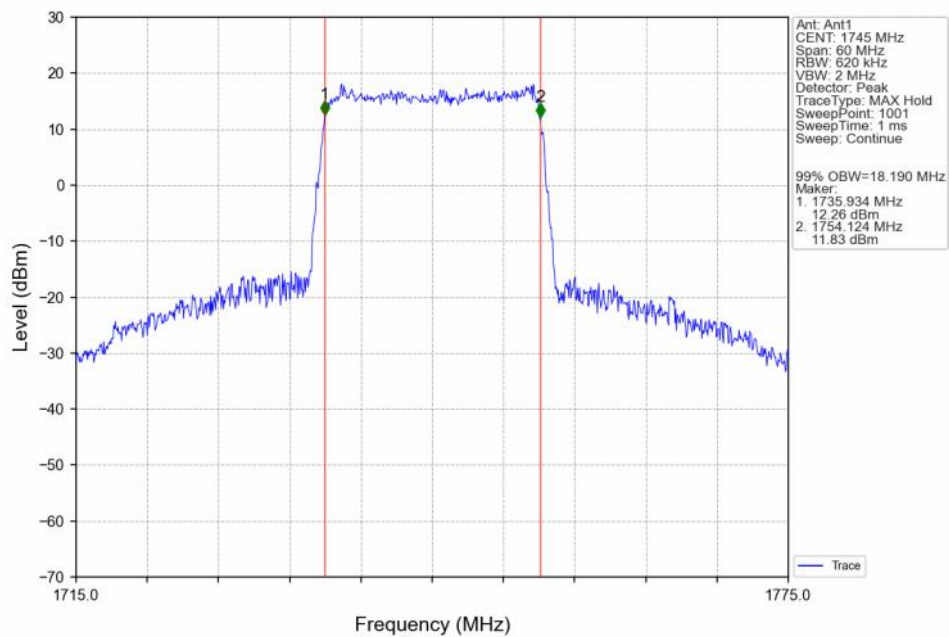
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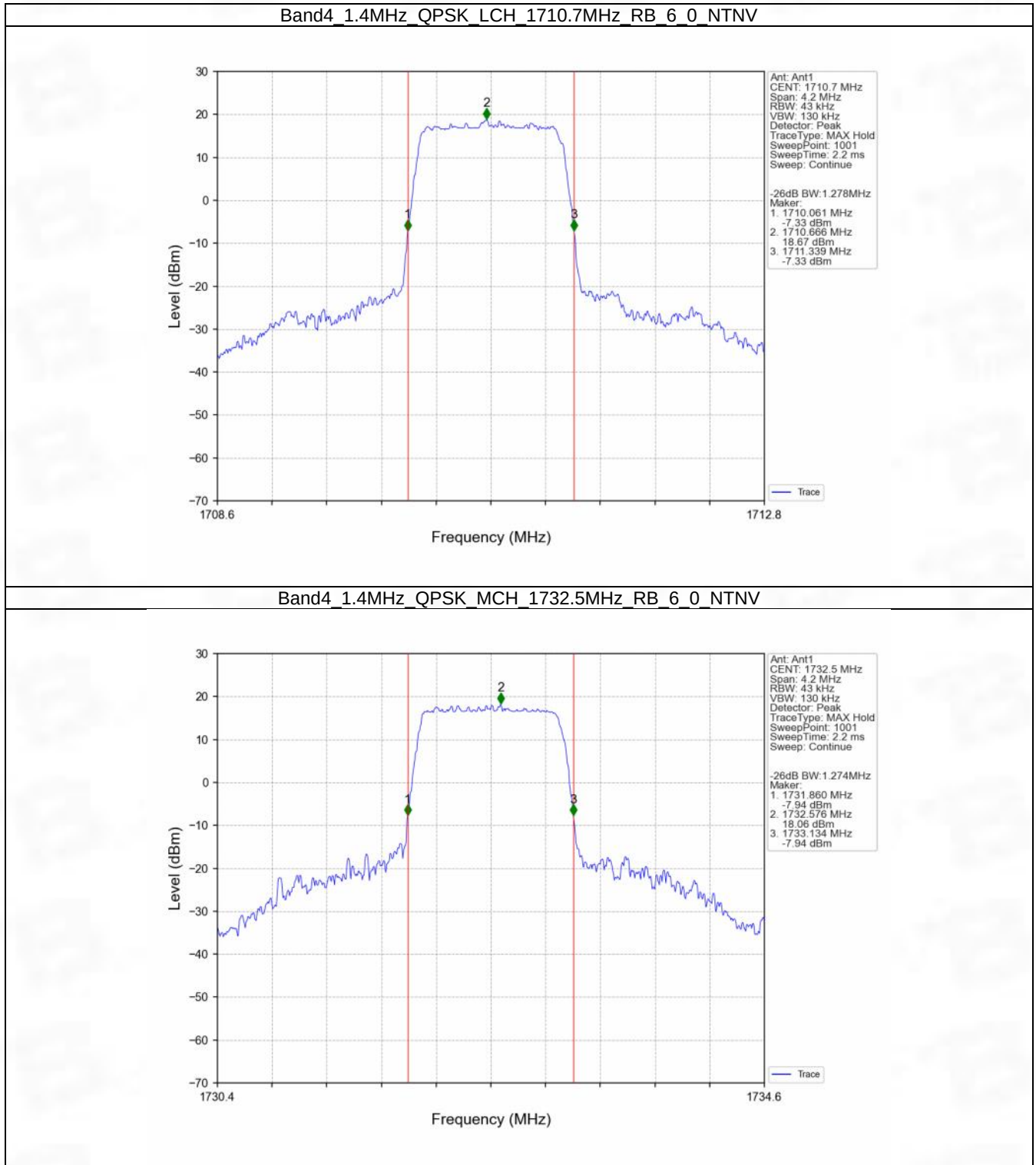
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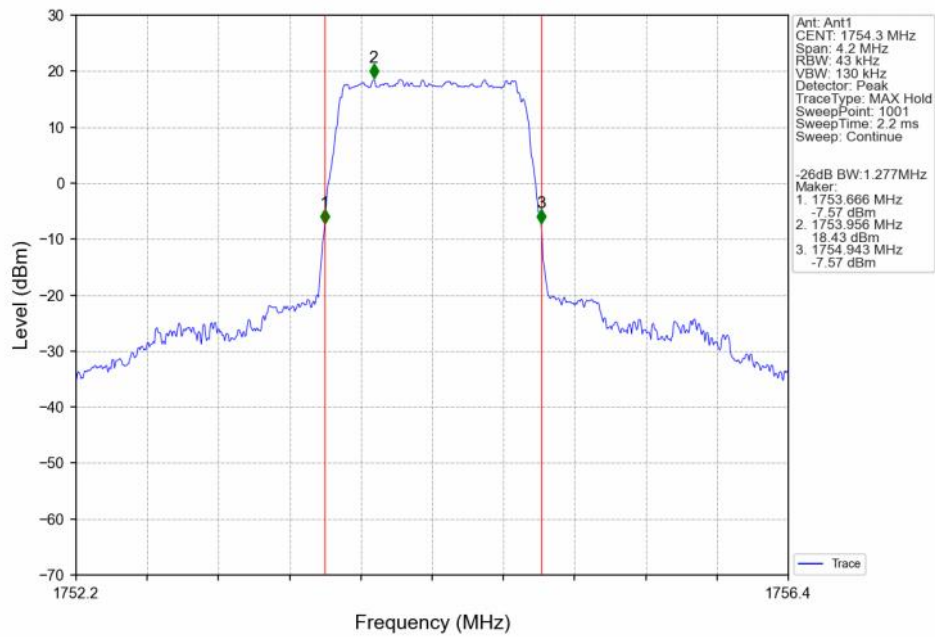
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



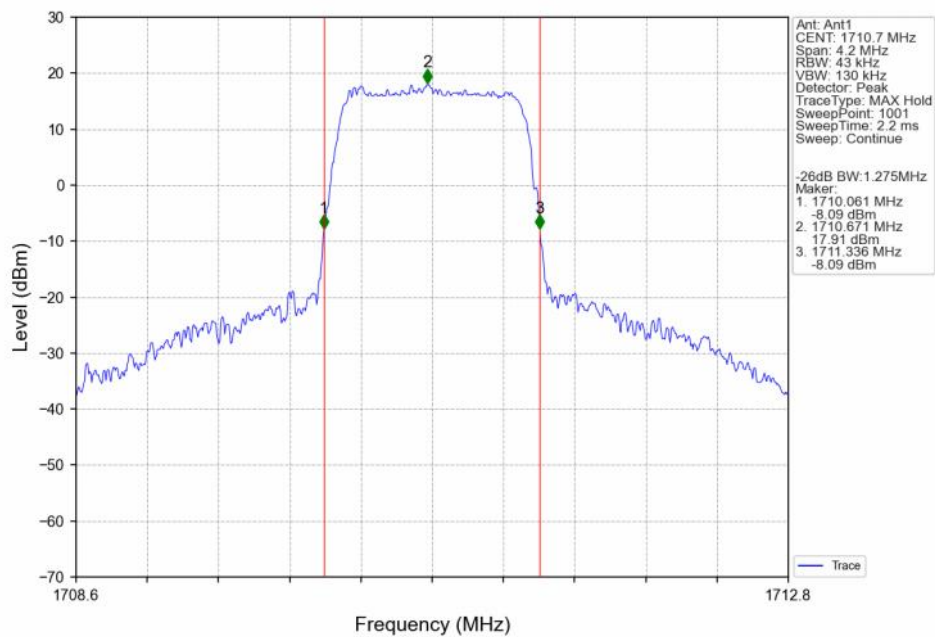
4.2.2 Band4_XDB



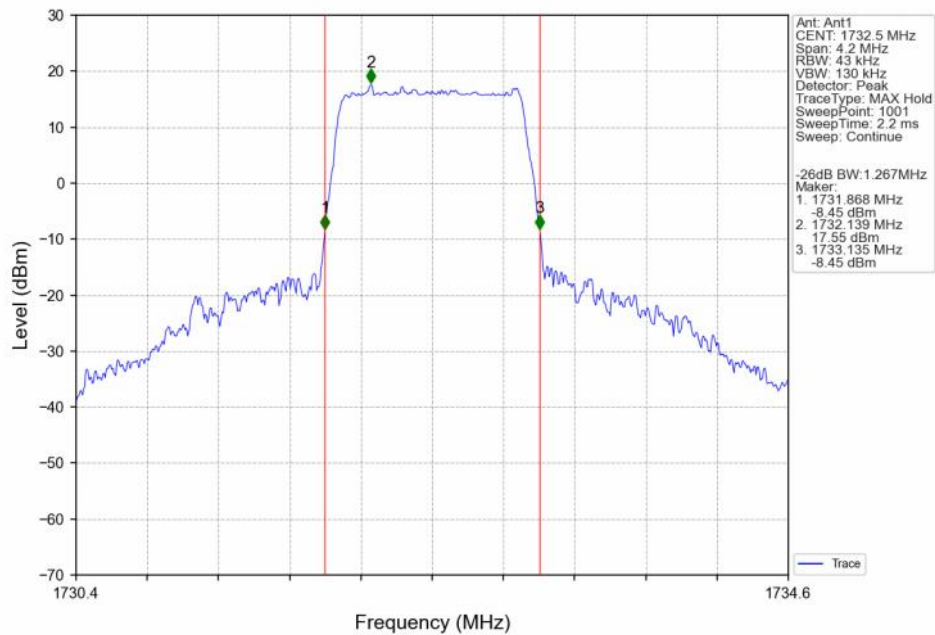
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



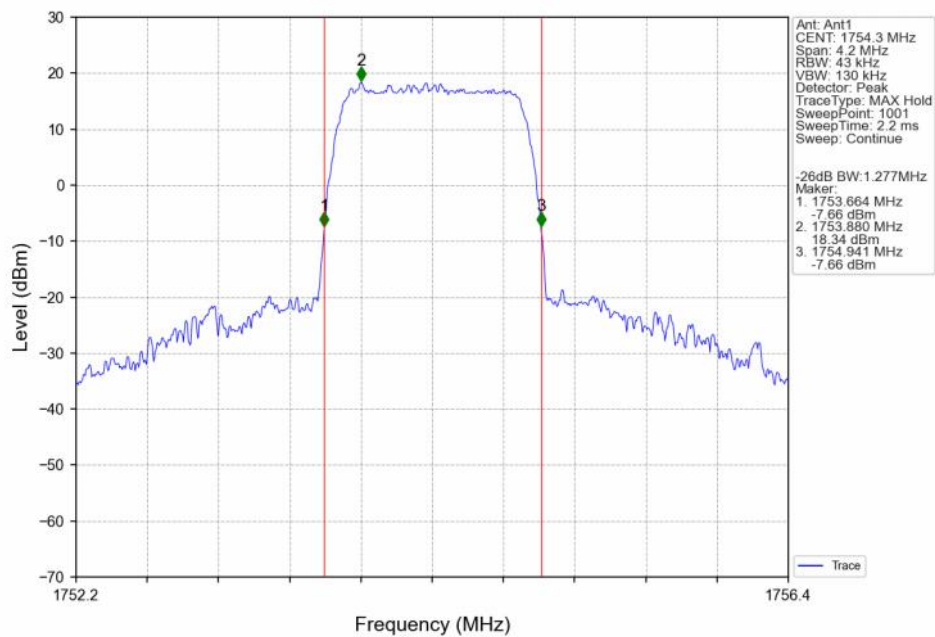
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



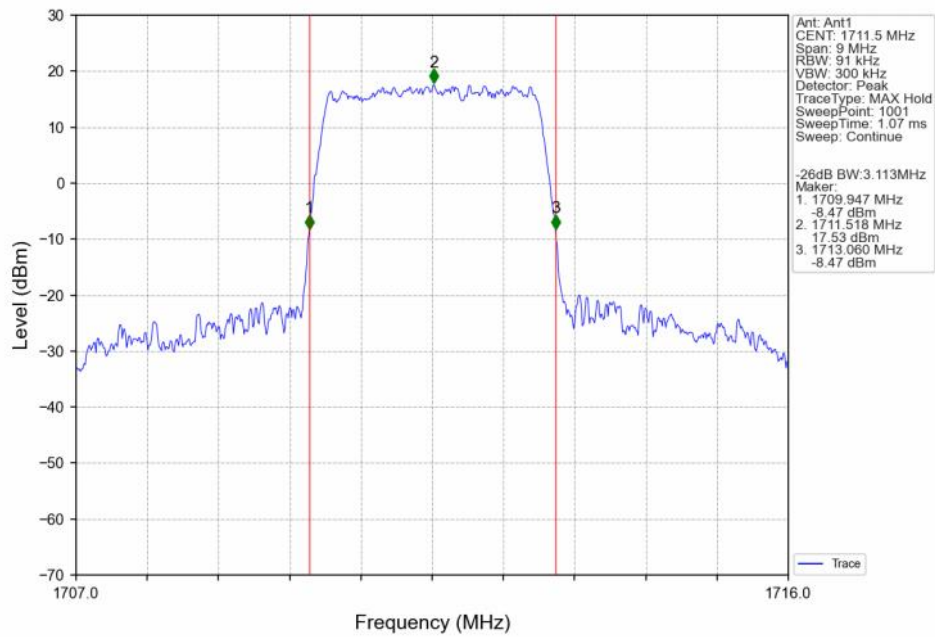
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



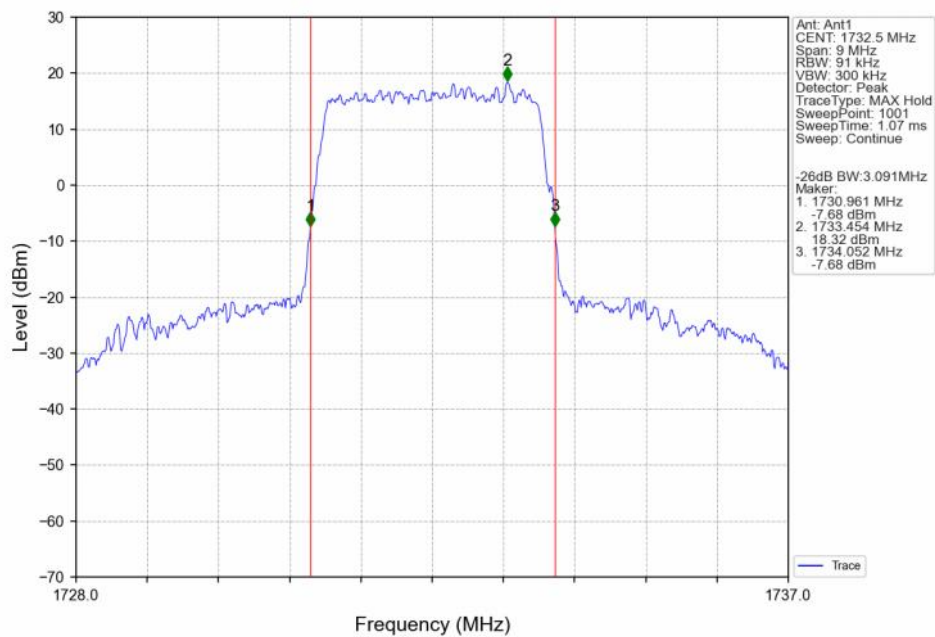
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



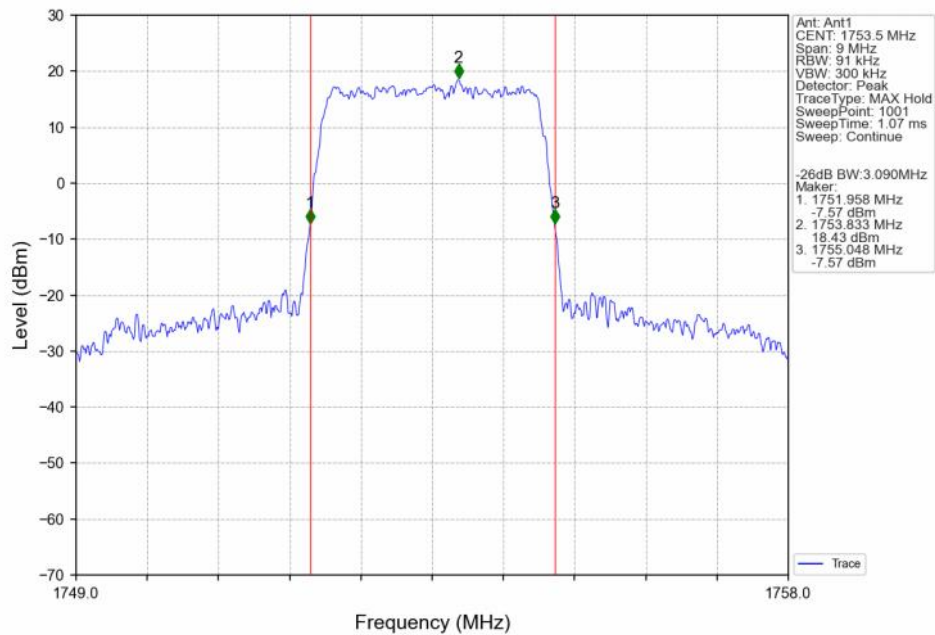
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



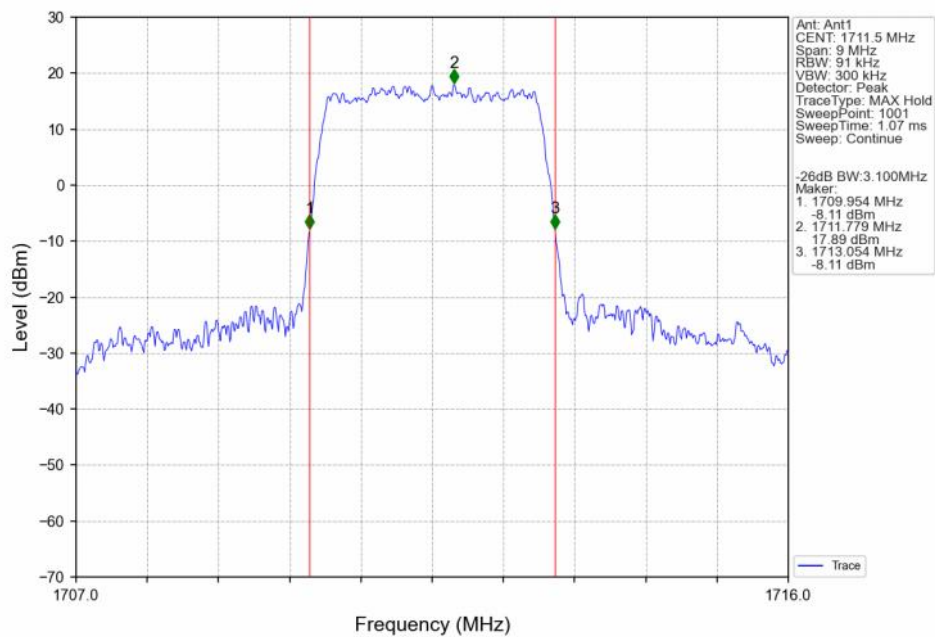
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



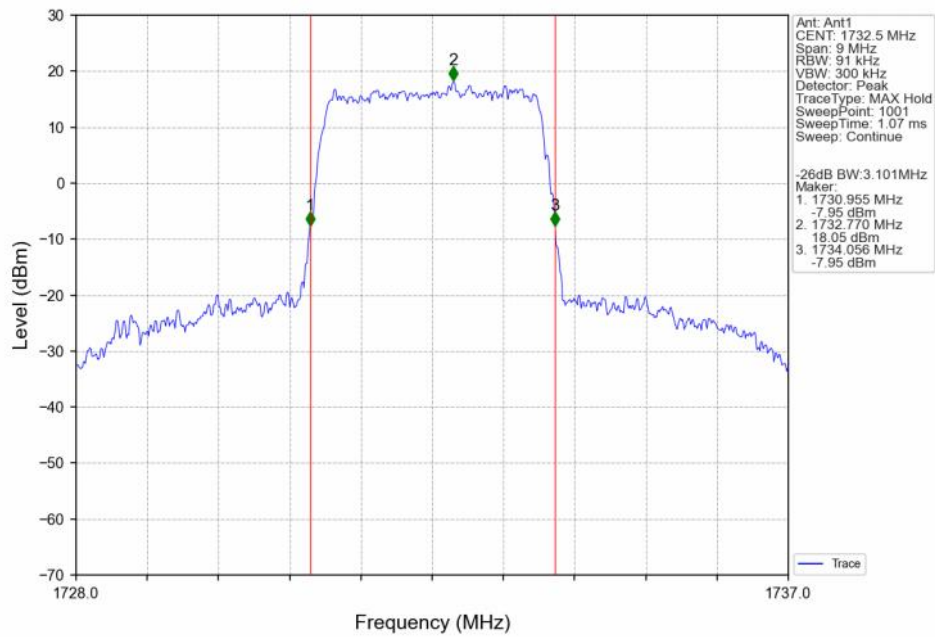
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



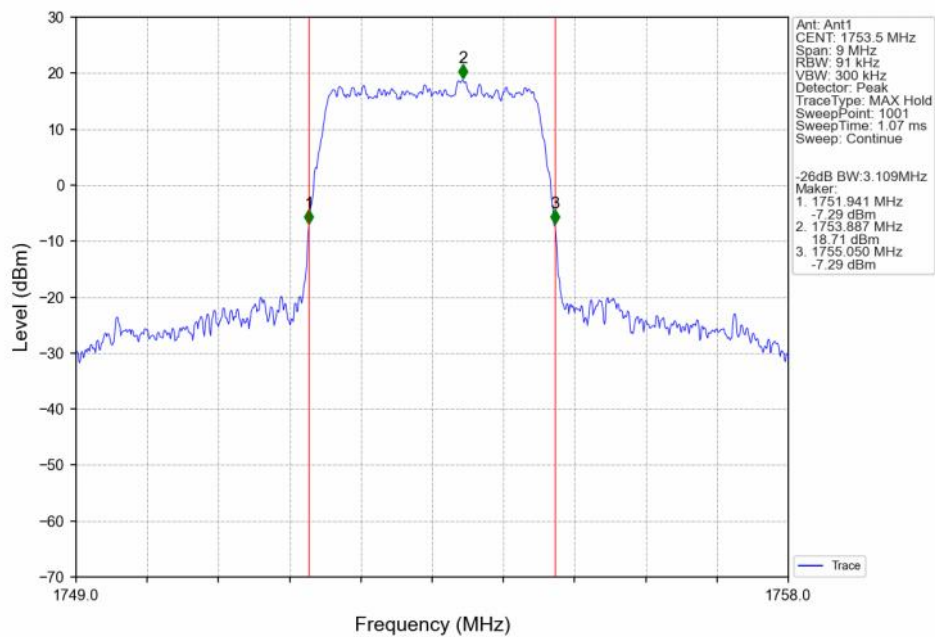
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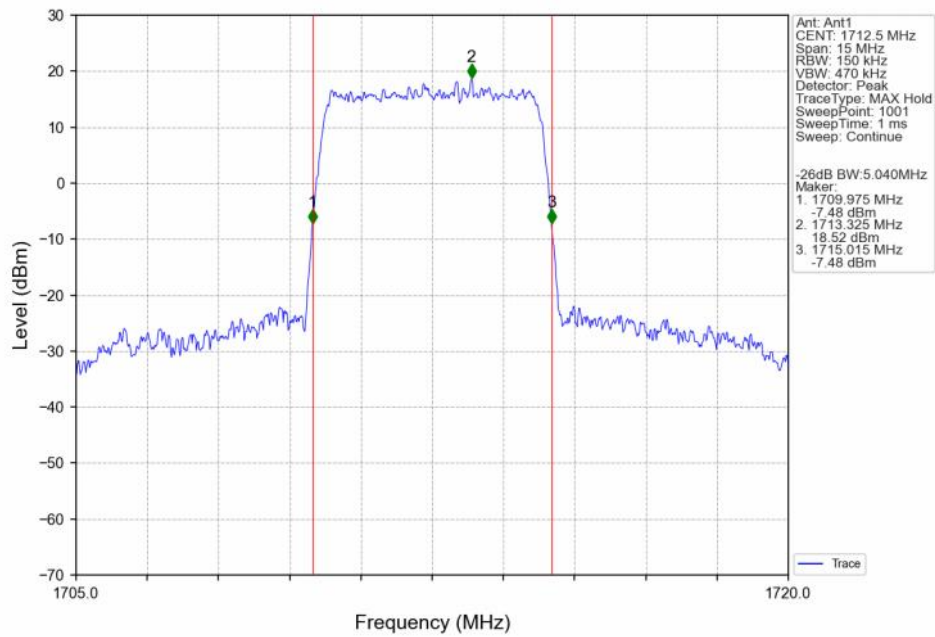
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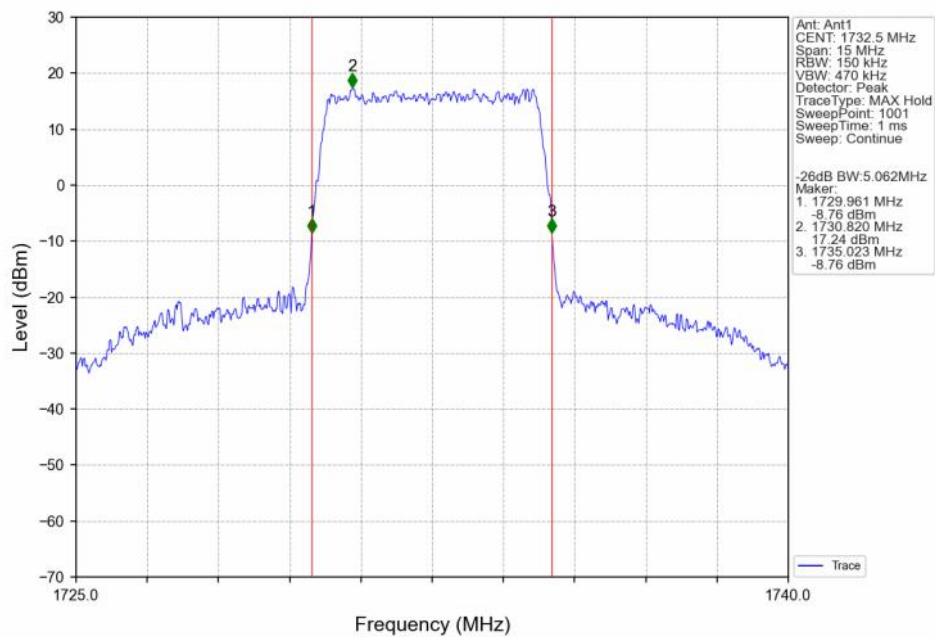
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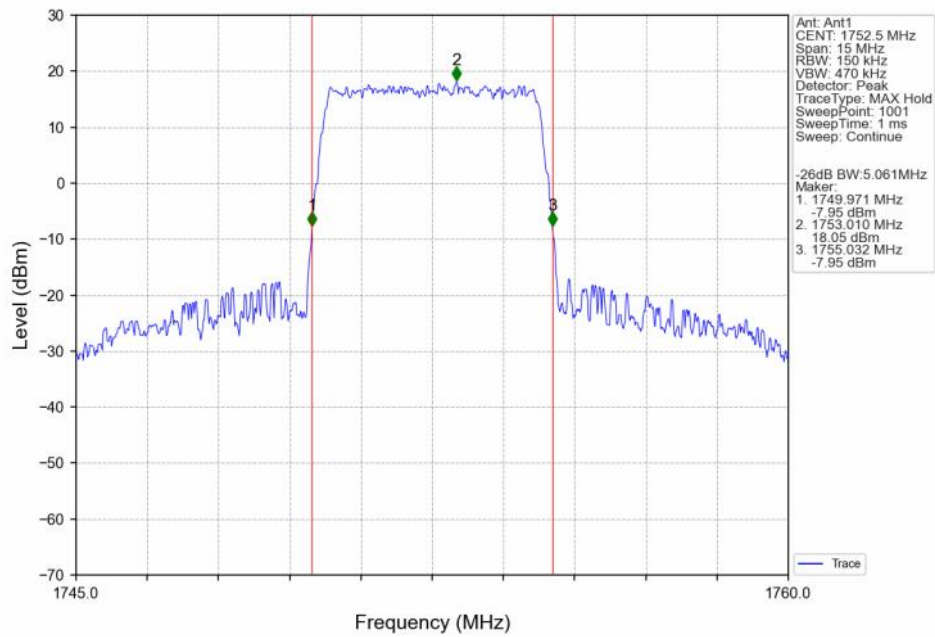
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



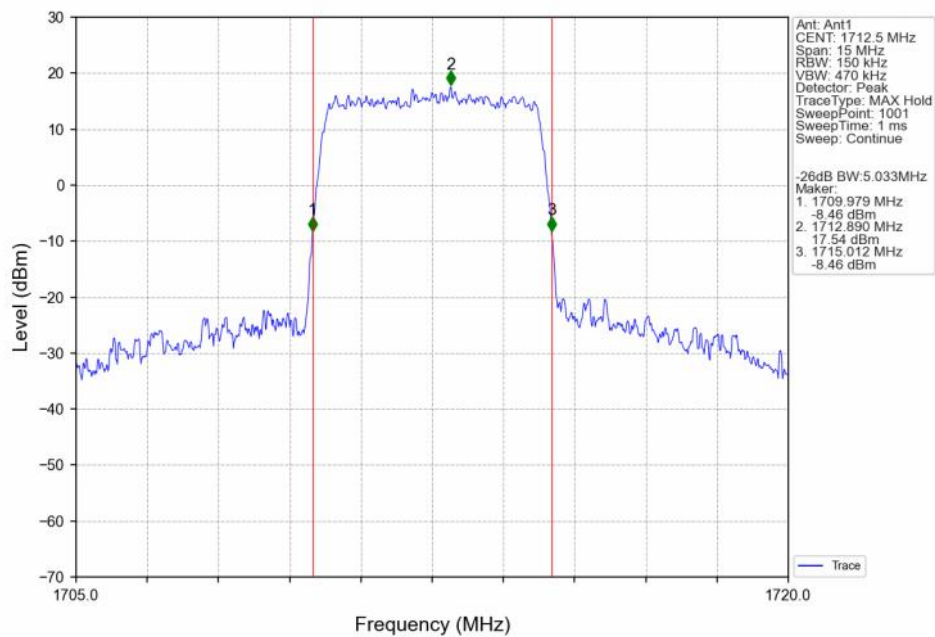
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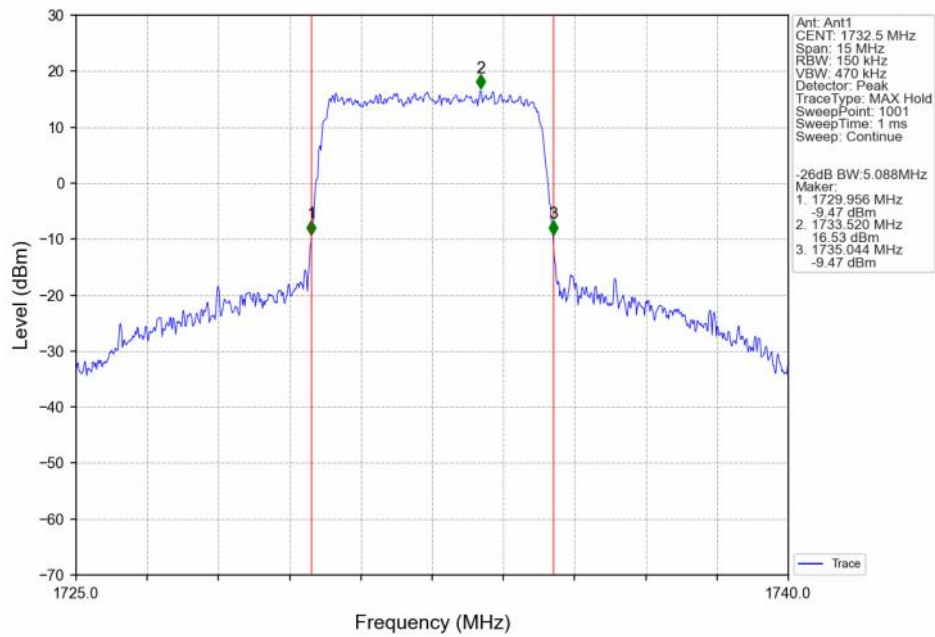
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



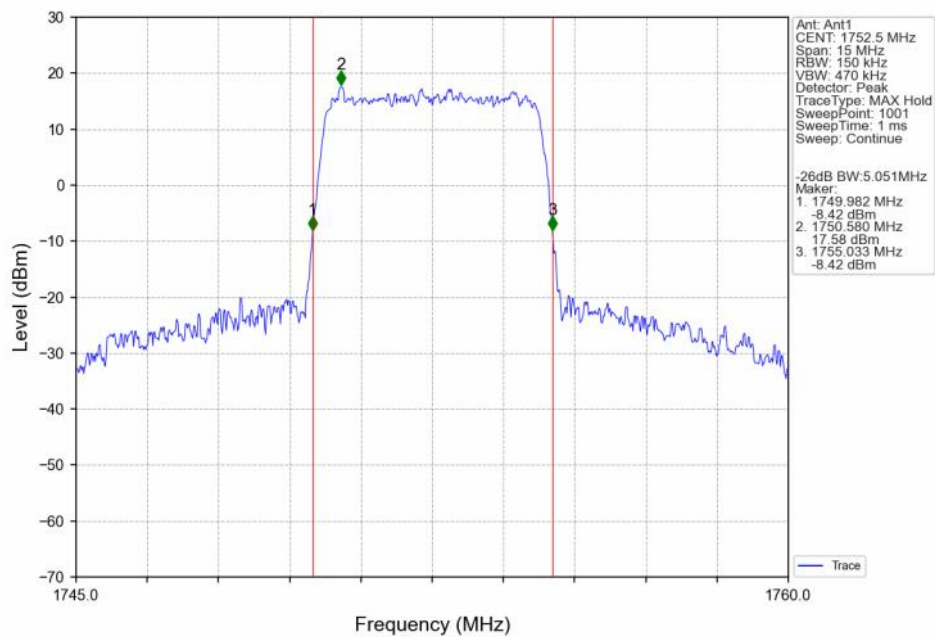
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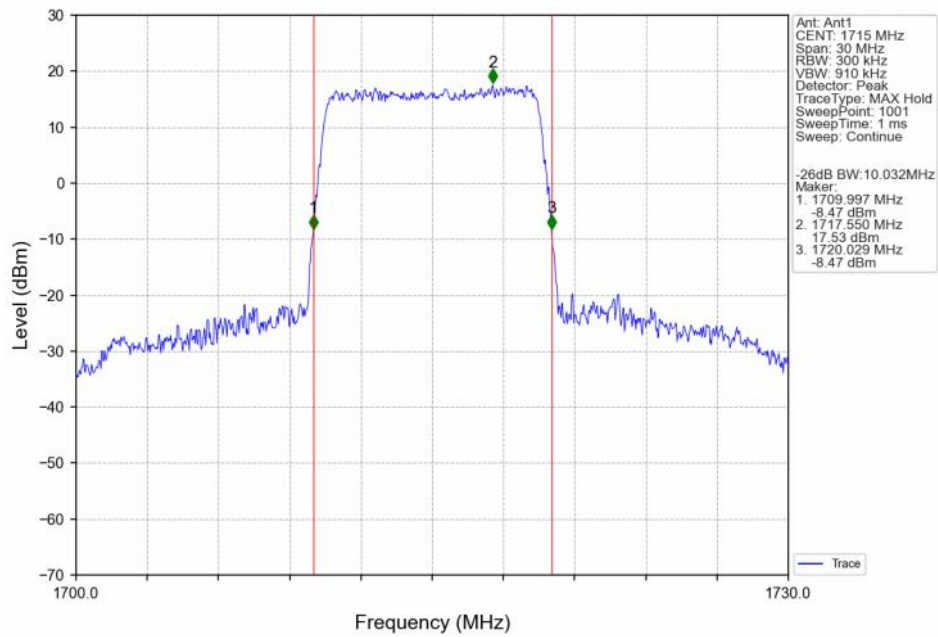
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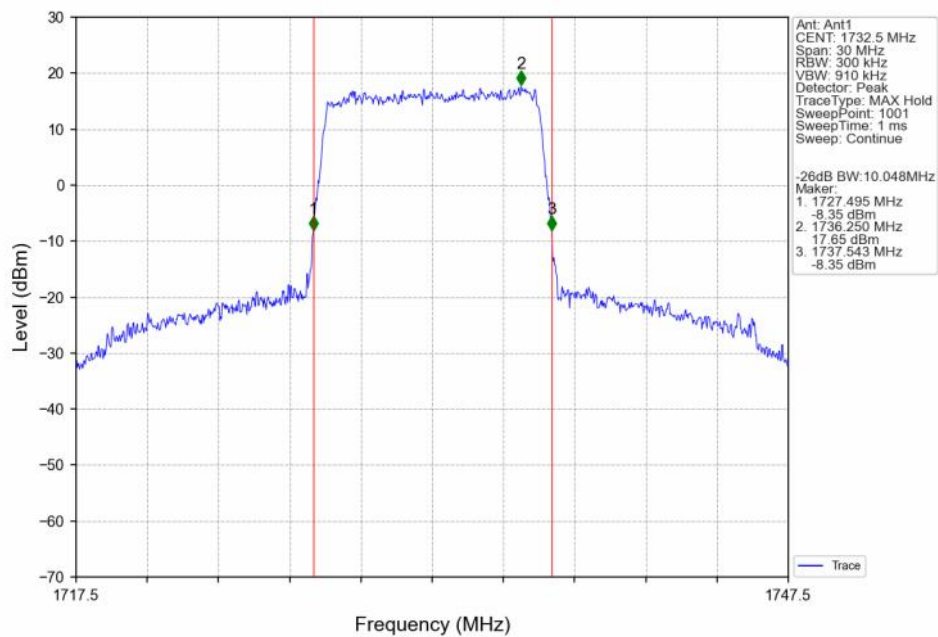
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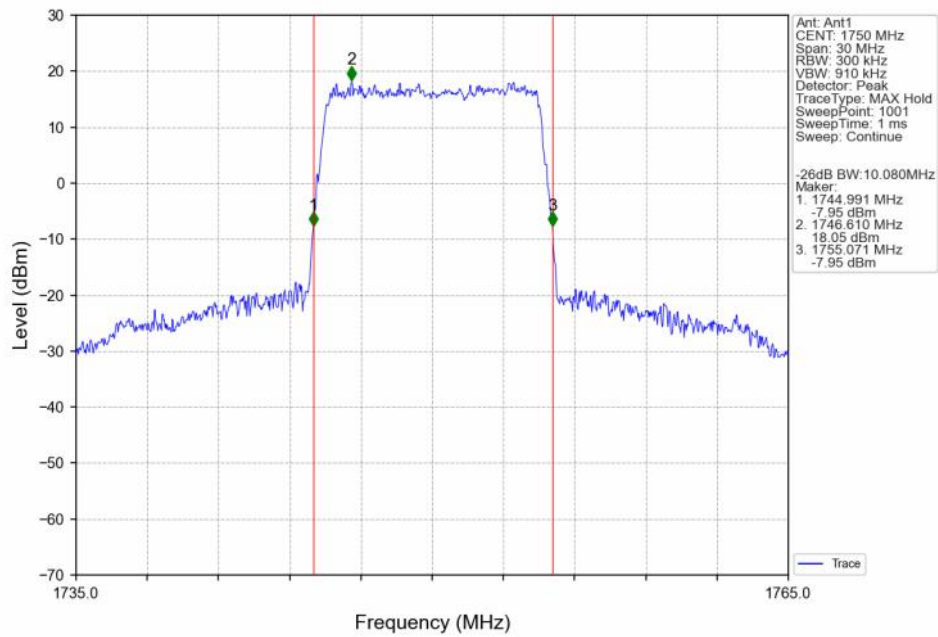
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



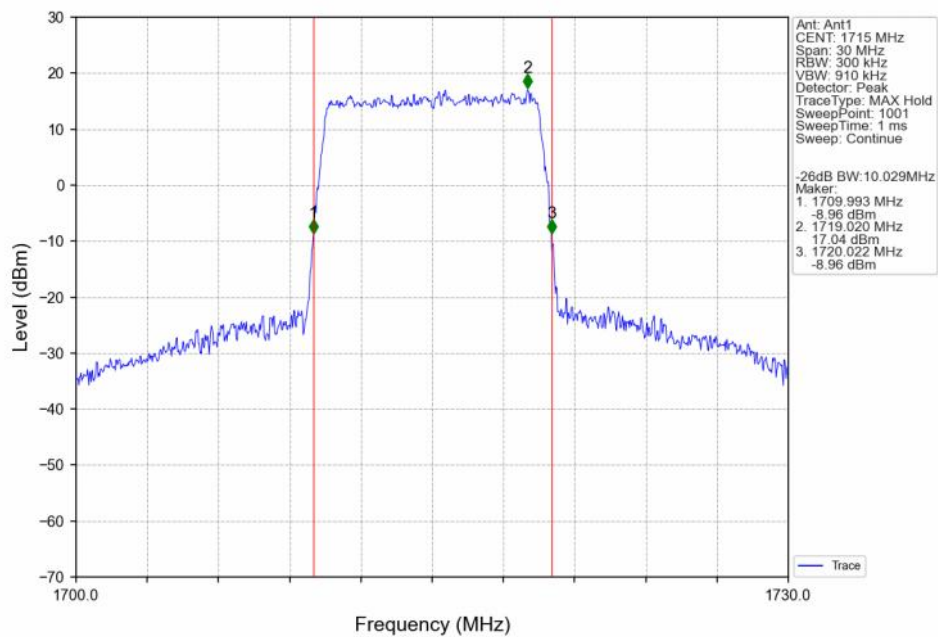
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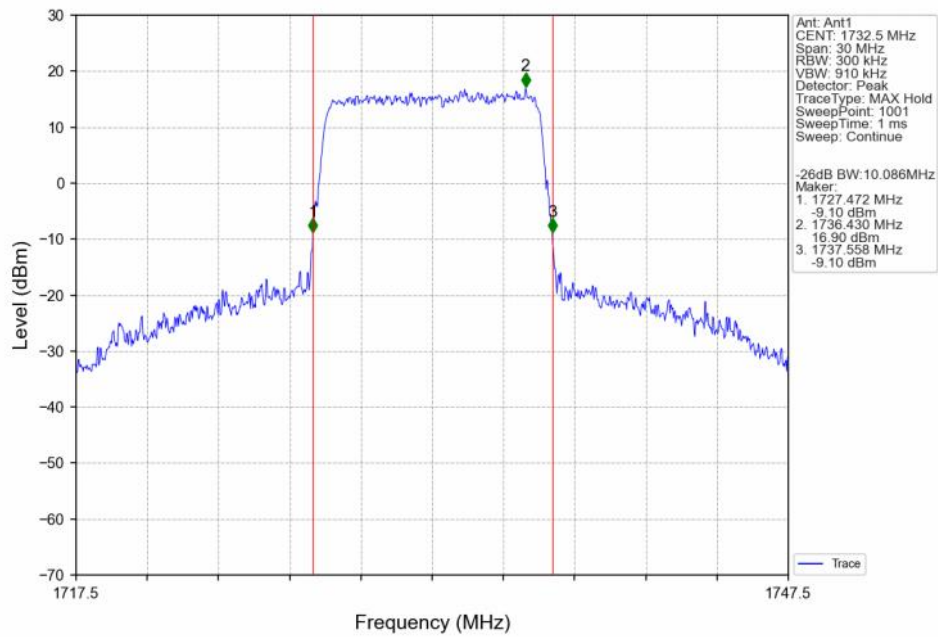
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



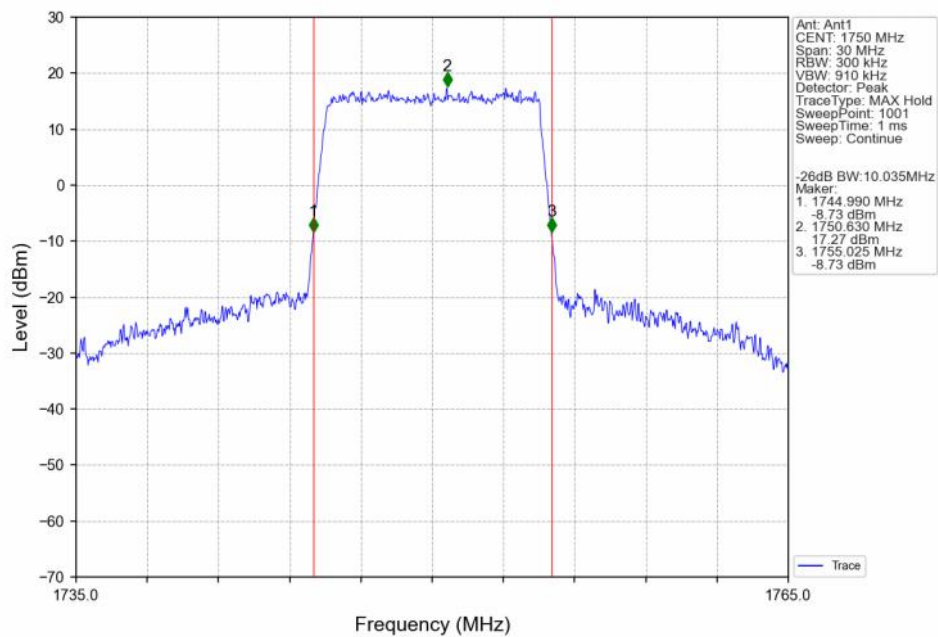
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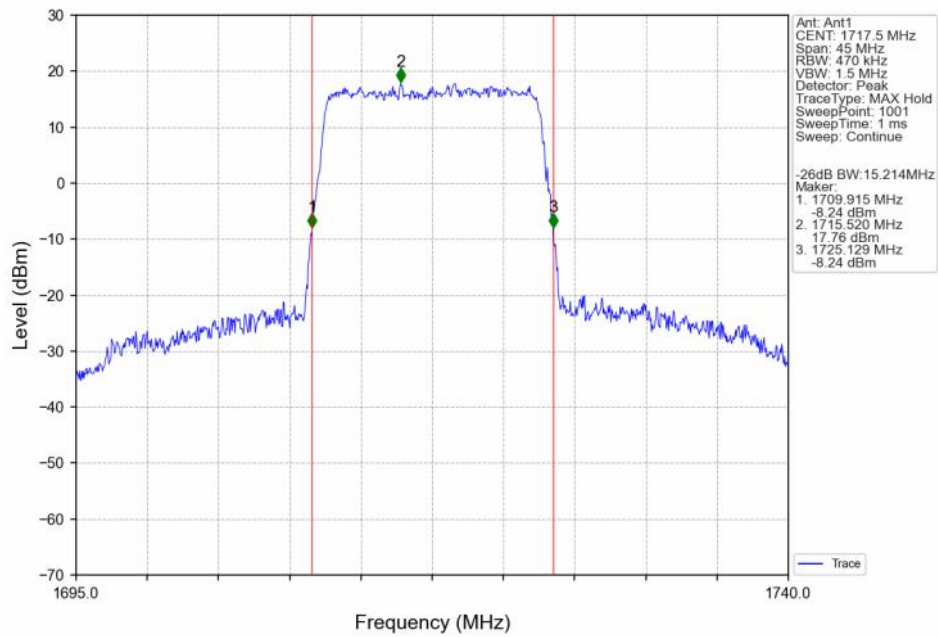
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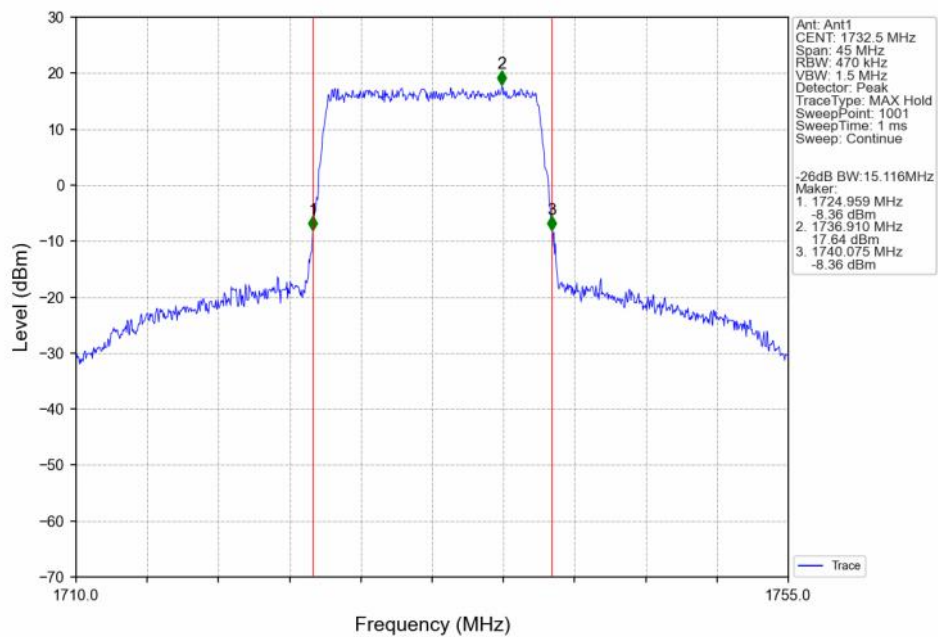
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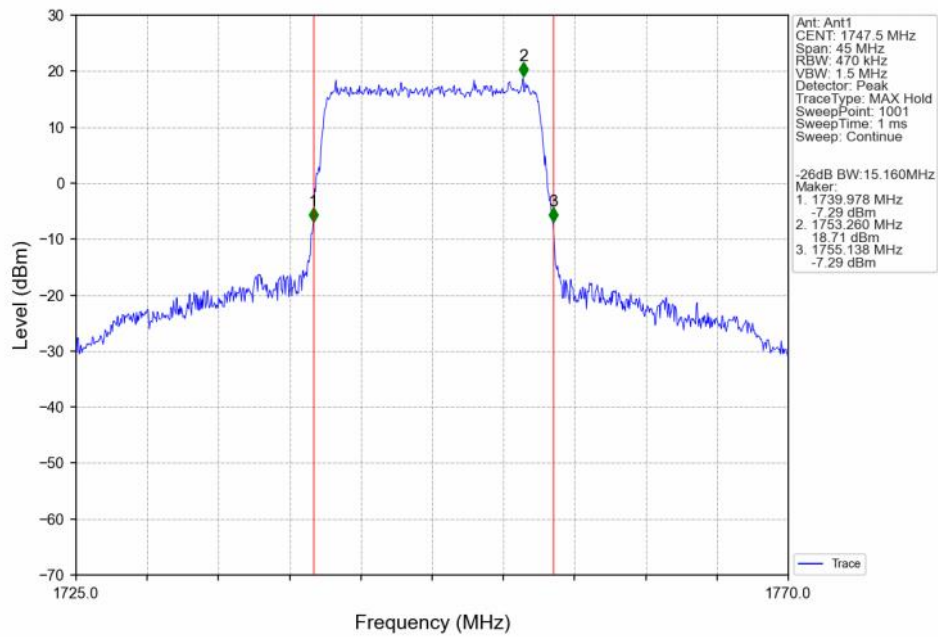
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



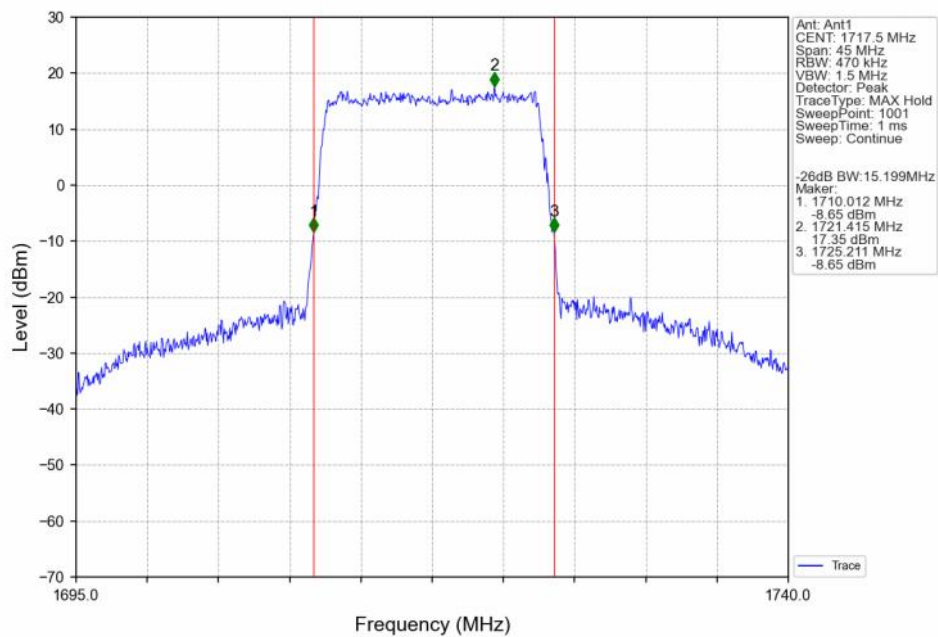
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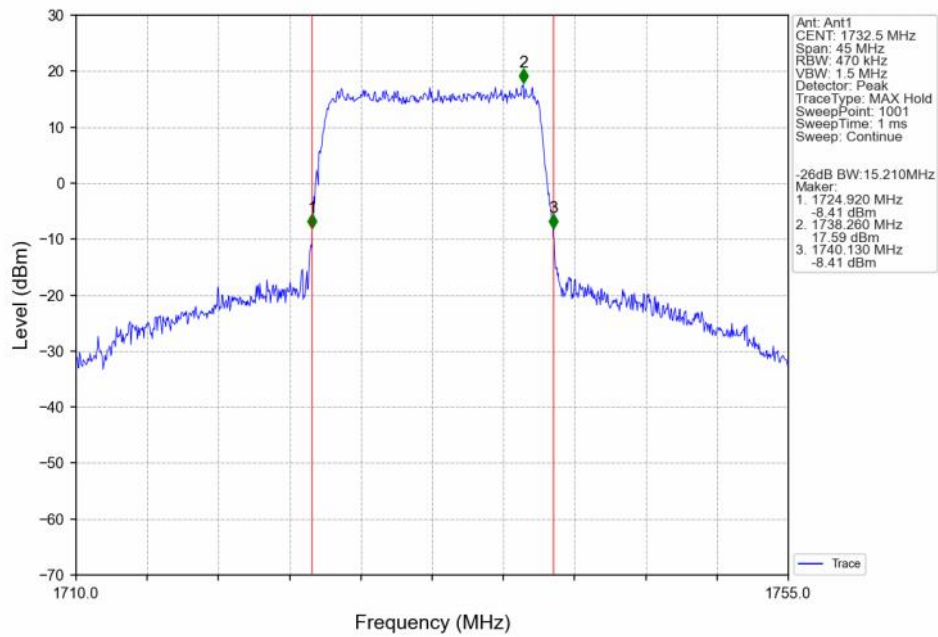
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



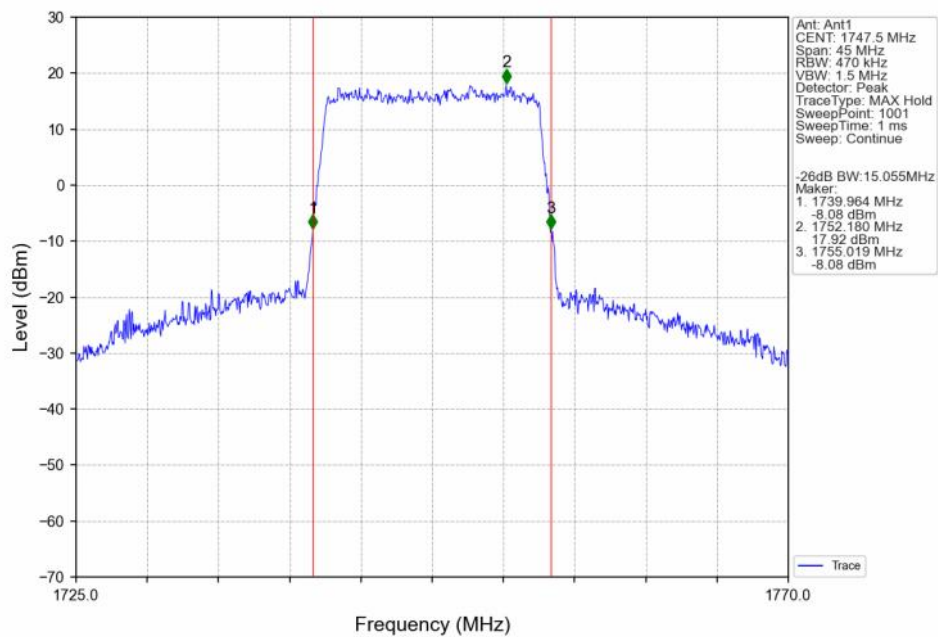
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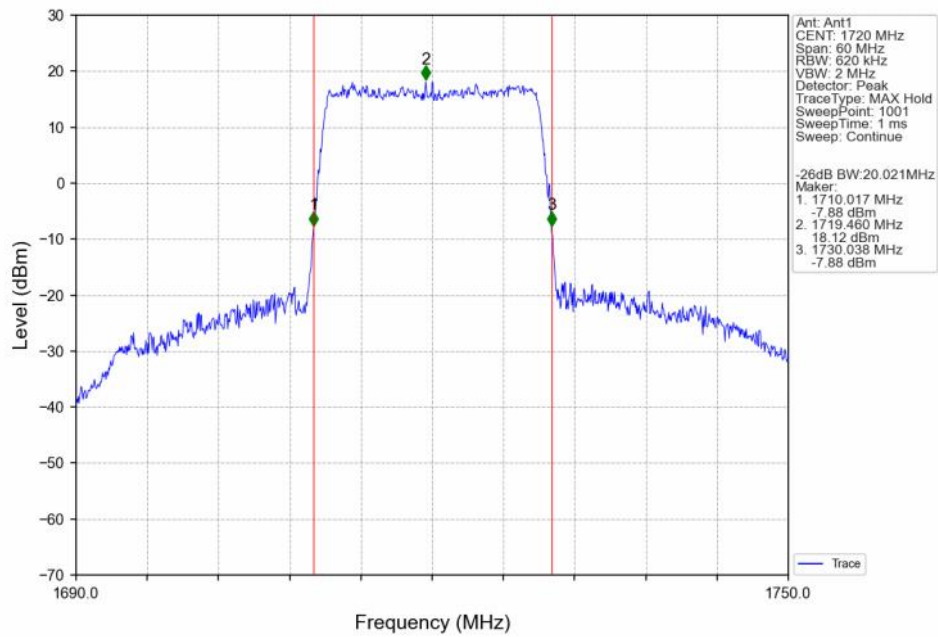
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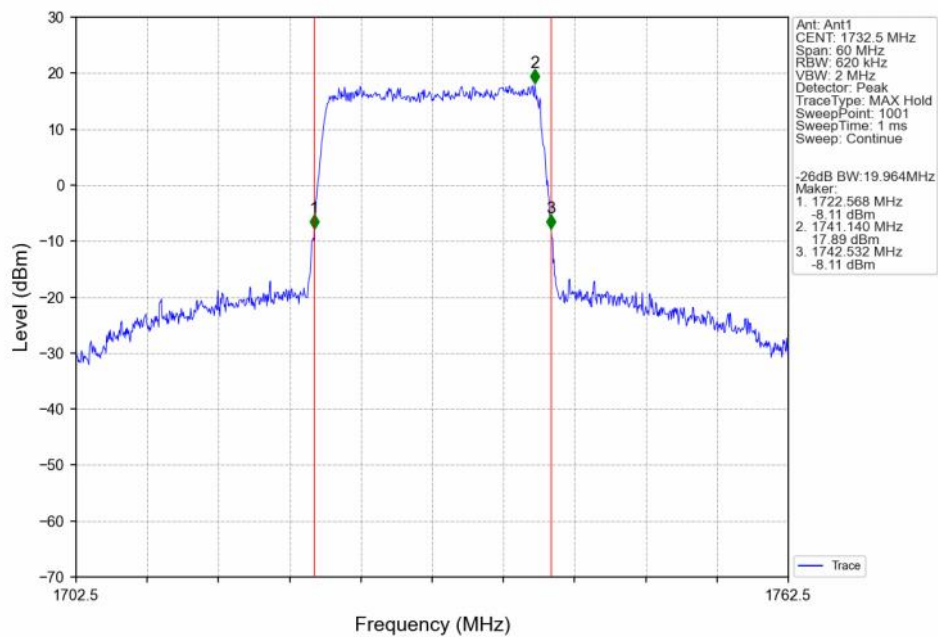
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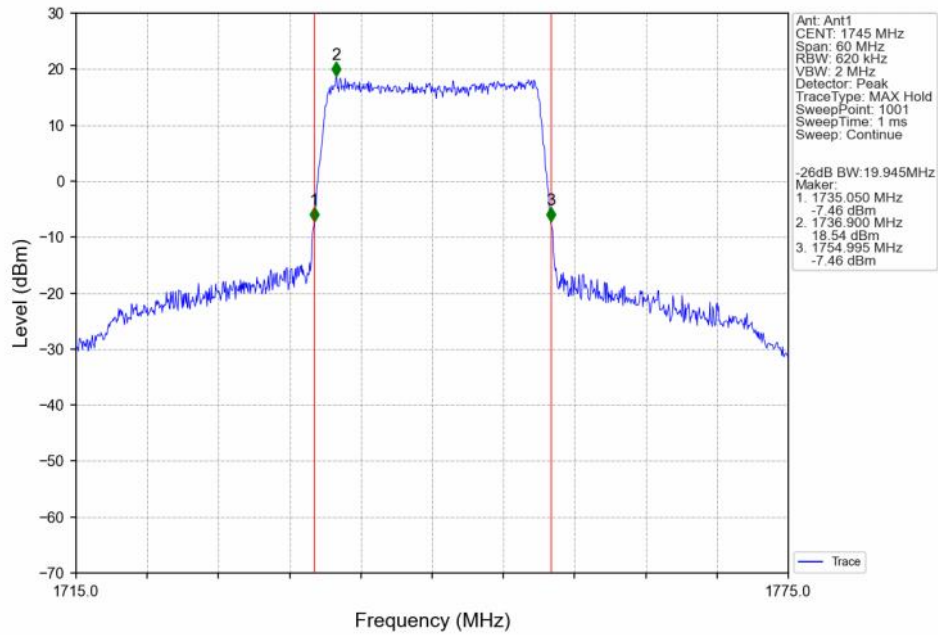
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



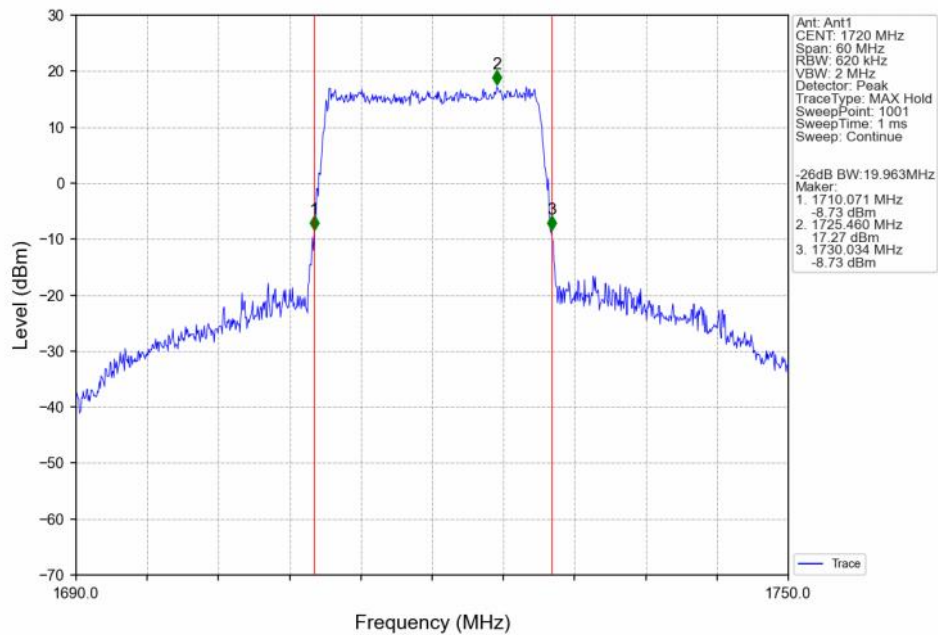
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



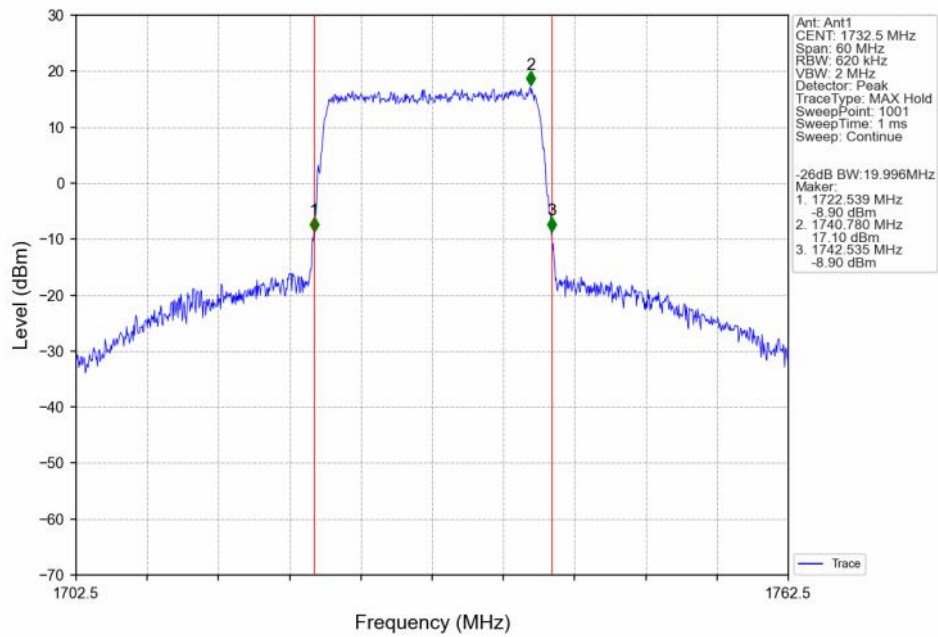
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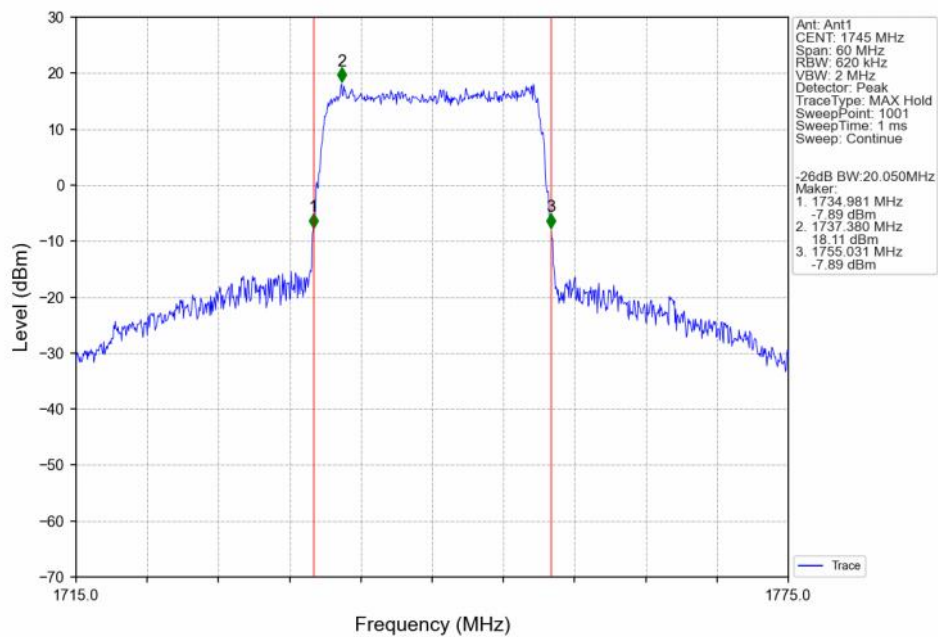
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



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 Test Result

5.1.1 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	5.41	≤ 13	Pass
	1732.5	6	0	4.89	≤ 13	Pass
	1754.3	6	0	5.39	≤ 13	Pass
16QAM	1710.7	6	0	6.11	≤ 13	Pass
	1732.5	6	0	5.72	≤ 13	Pass
	1754.3	6	0	6.07	≤ 13	Pass

5.1.2 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	5.42	≤ 13	Pass
	1732.5	15	0	5.00	≤ 13	Pass
	1753.5	15	0	5.45	≤ 13	Pass
16QAM	1711.5	15	0	5.40	≤ 13	Pass
	1732.5	15	0	5.01	≤ 13	Pass
	1753.5	15	0	5.44	≤ 13	Pass

5.1.3 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	5.51	≤ 13	Pass
	1732.5	25	0	5.21	≤ 13	Pass
	1752.5	25	0	5.48	≤ 13	Pass
16QAM	1712.5	25	0	6.22	≤ 13	Pass
	1732.5	25	0	5.89	≤ 13	Pass
	1752.5	25	0	6.22	≤ 13	Pass

5.1.4 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	5.52	≤ 13	Pass
	1732.5	50	0	5.28	≤ 13	Pass
	1750	50	0	5.47	≤ 13	Pass
16QAM	1715	50	0	6.28	≤ 13	Pass
	1732.5	50	0	6.01	≤ 13	Pass
	1750	50	0	6.17	≤ 13	Pass

5.1.5 B4_15MHz

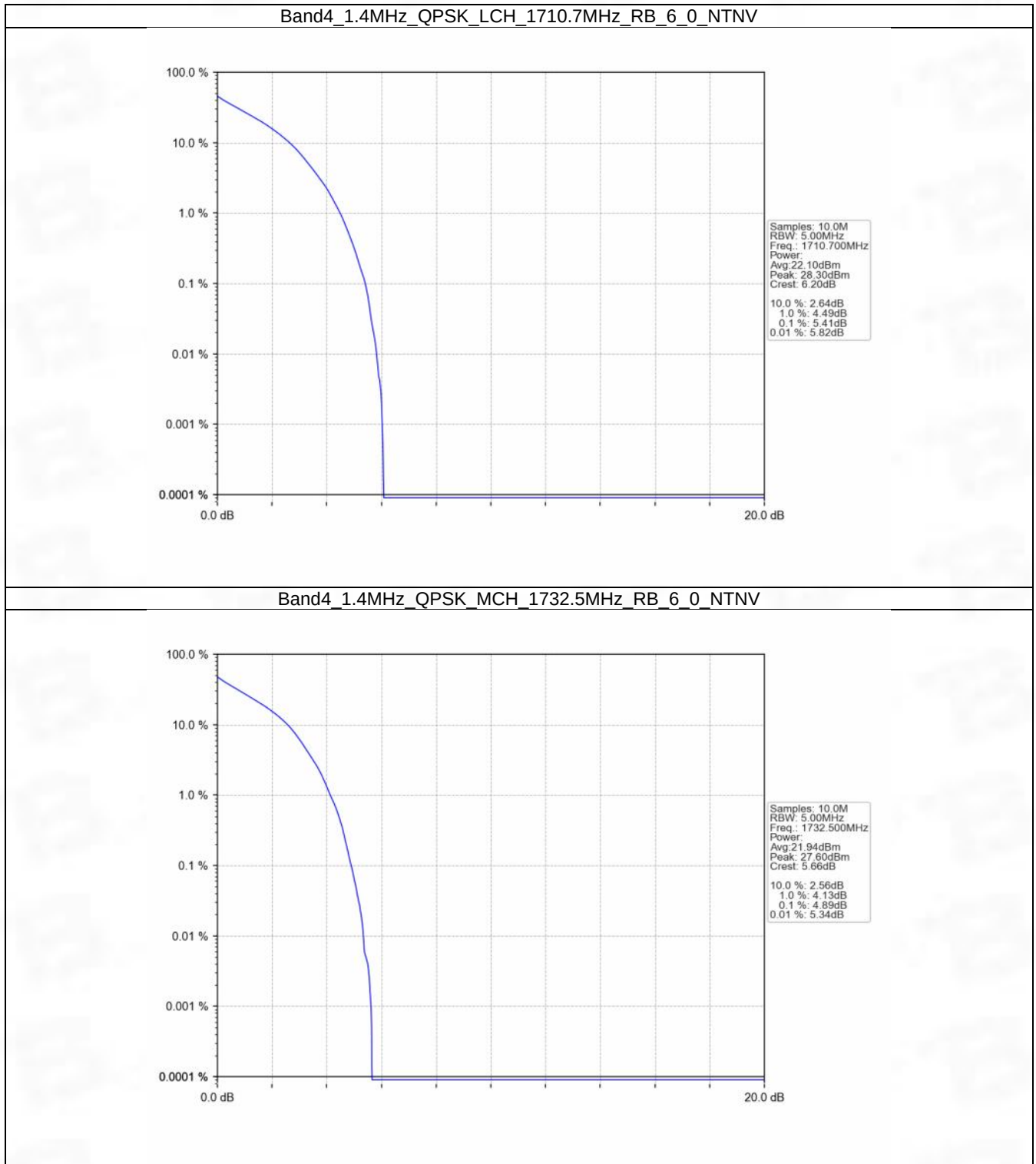
Band: 4 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.82	<=13	Pass
	1732.5	75	0	4.83	<=13	Pass
	1747.5	75	0	4.84	<=13	Pass
16QAM	1717.5	75	0	6.17	<=13	Pass
	1732.5	75	0	6.06	<=13	Pass
	1747.5	75	0	6.12	<=13	Pass

5.1.6 B4_20MHz

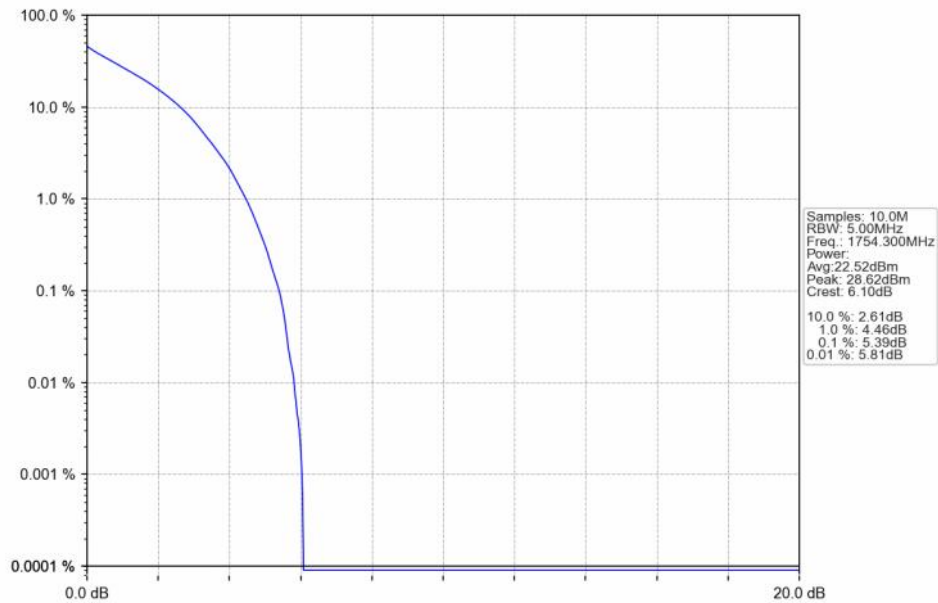
Band: 4 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	8.39	<=13	Pass
	1732.5	100	0	5.60	<=13	Pass
	1745	100	0	5.67	<=13	Pass
16QAM	1720	100	0	6.71	<=13	Pass
	1732.5	100	0	6.68	<=13	Pass
	1745	100	0	6.70	<=13	Pass

5.2 Test Graph

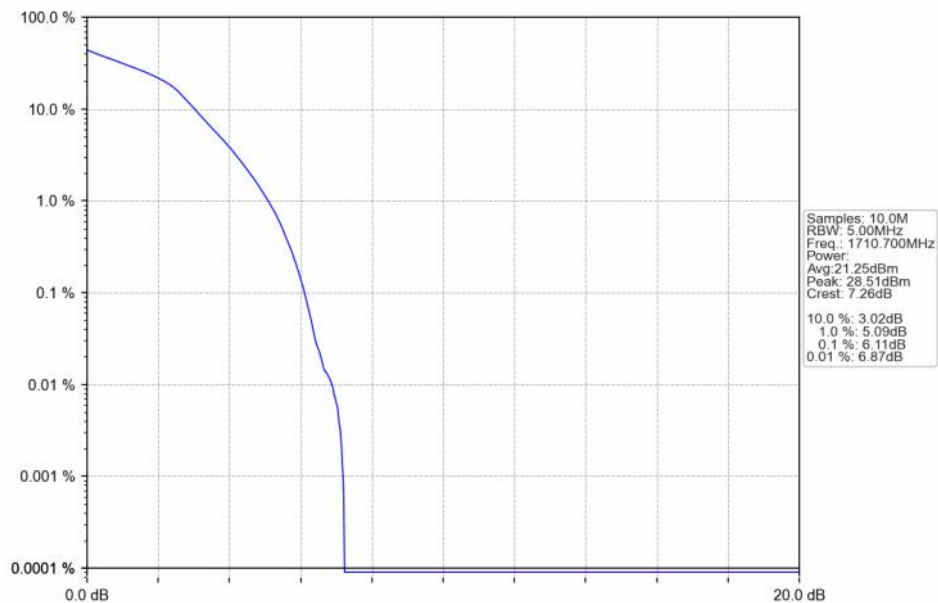
5.2.1 B4_1.4MHz



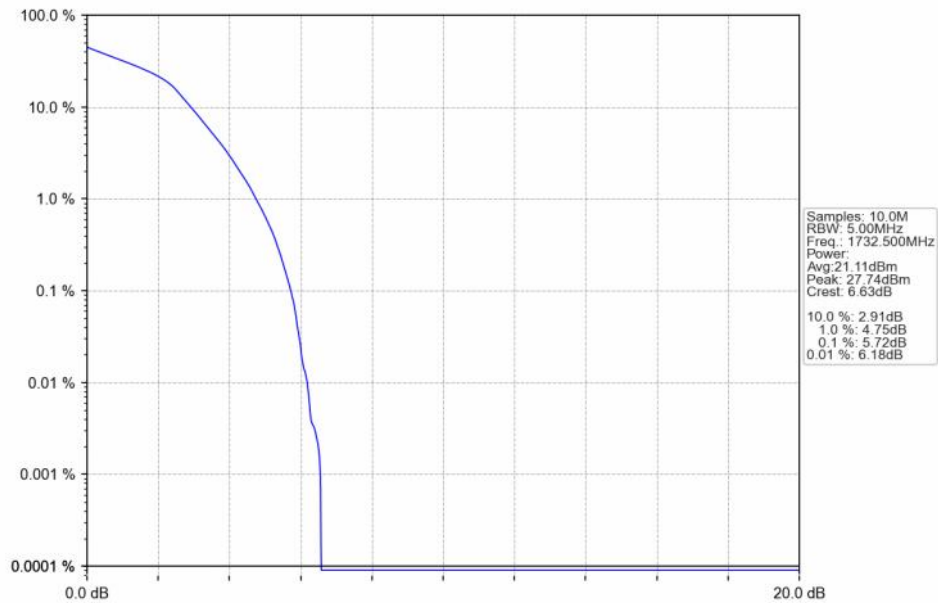
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



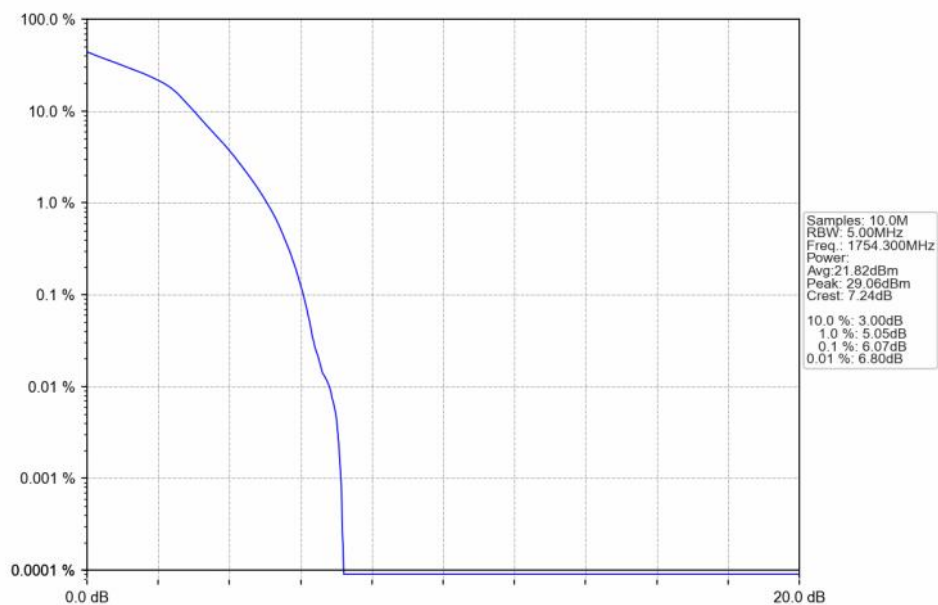
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



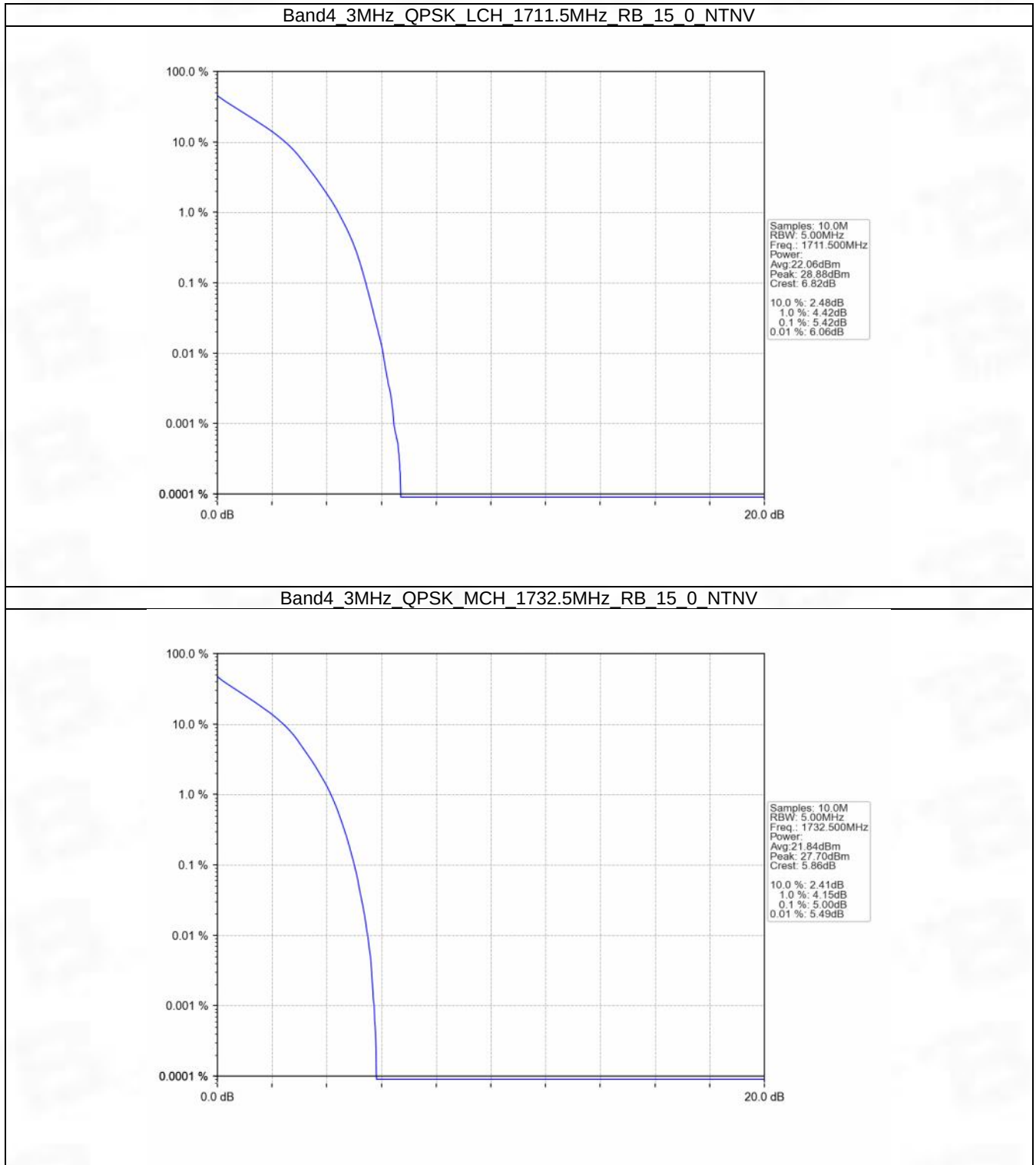
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



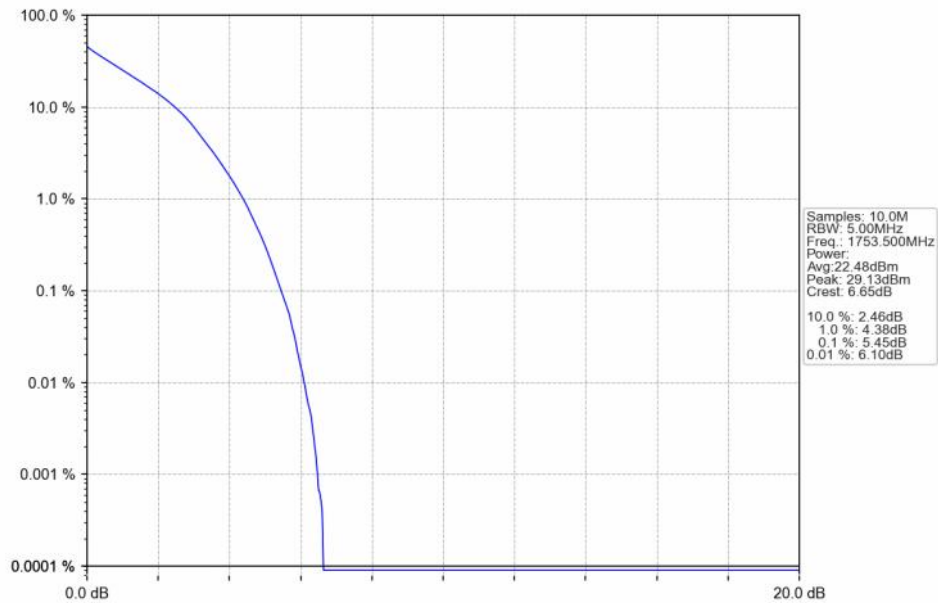
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



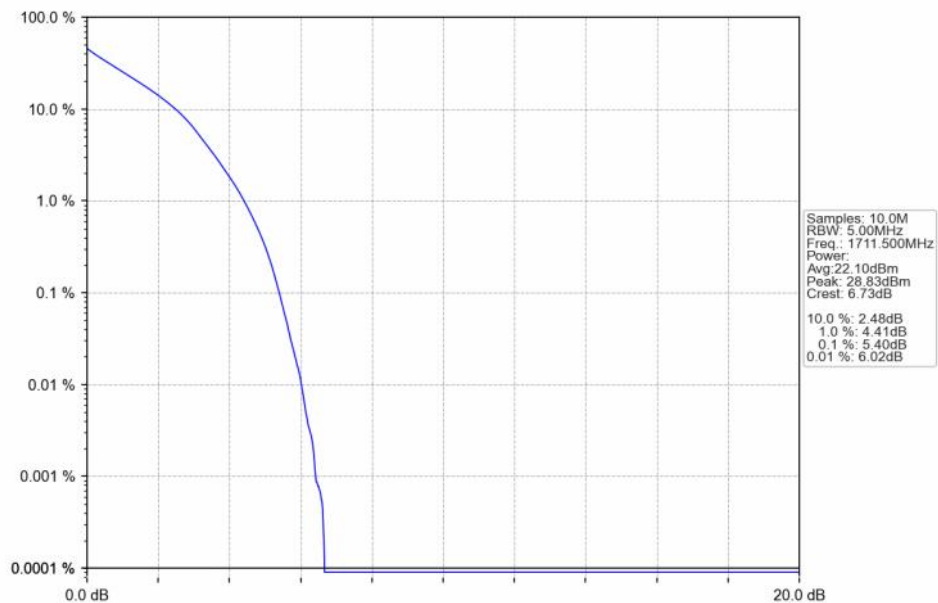
5.2.2 B4_3MHz



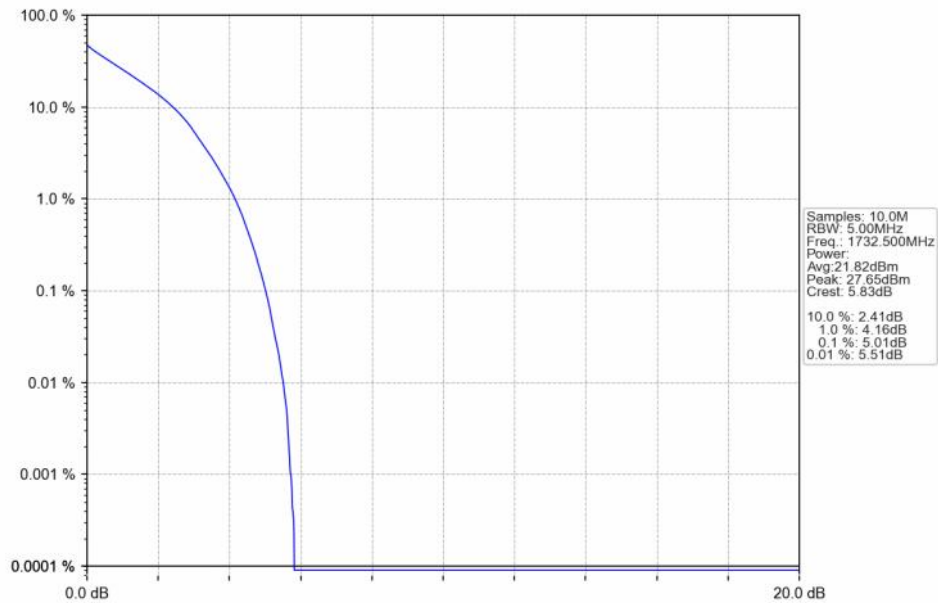
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



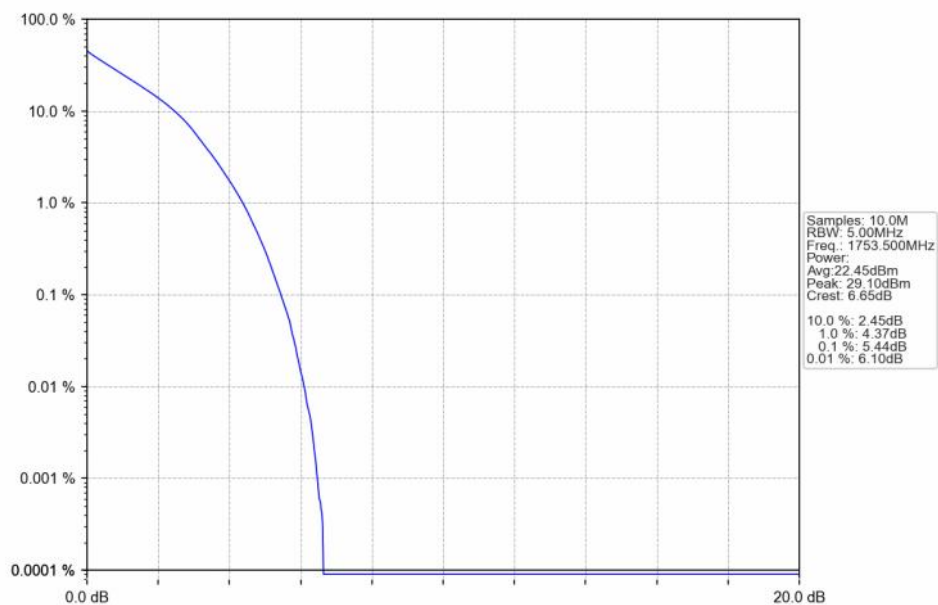
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



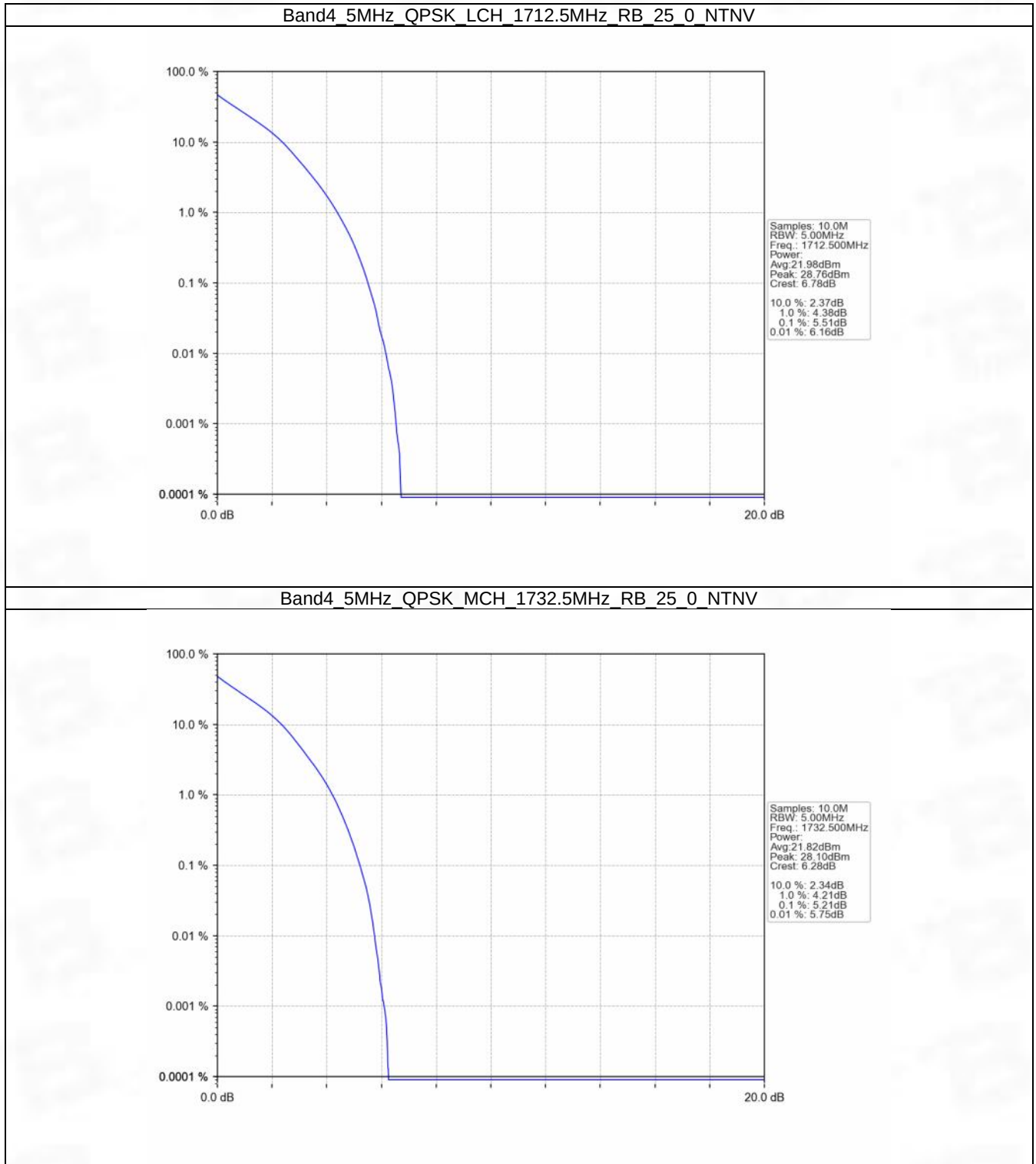
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



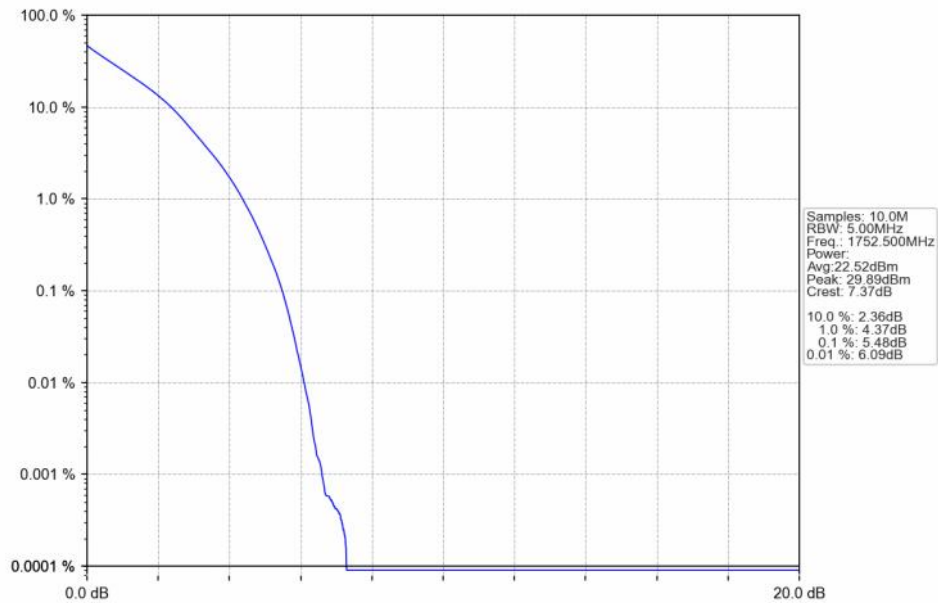
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



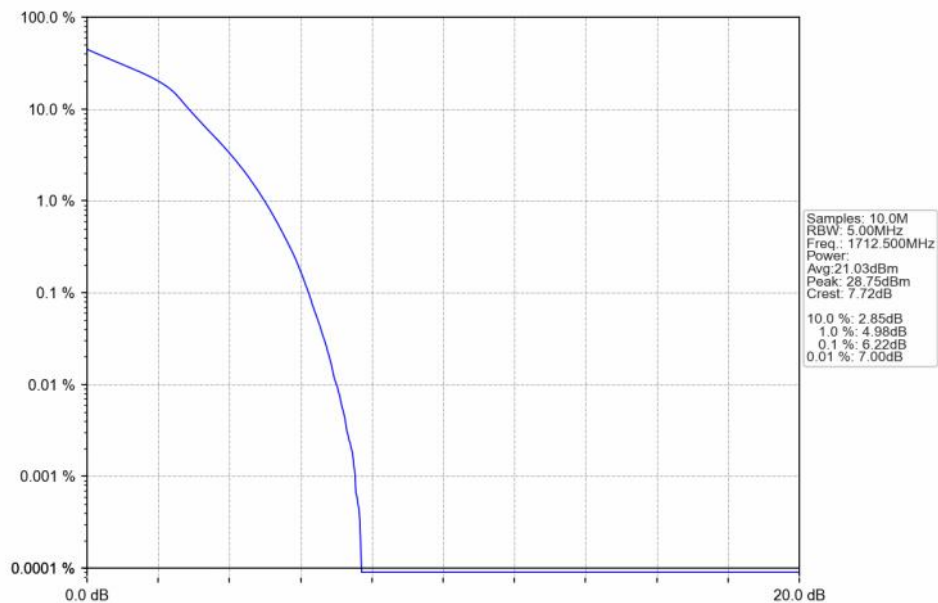
5.2.3 B4_5MHz



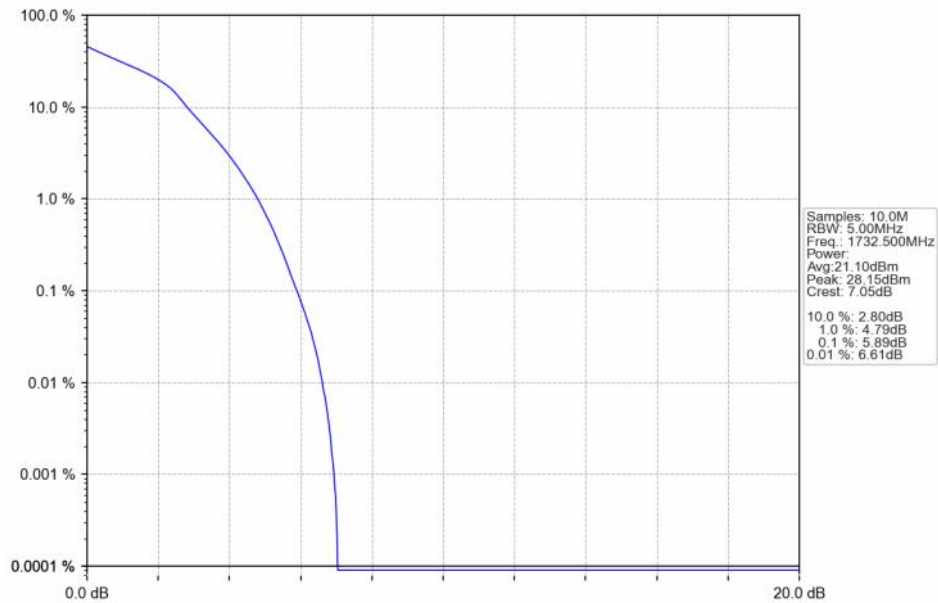
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



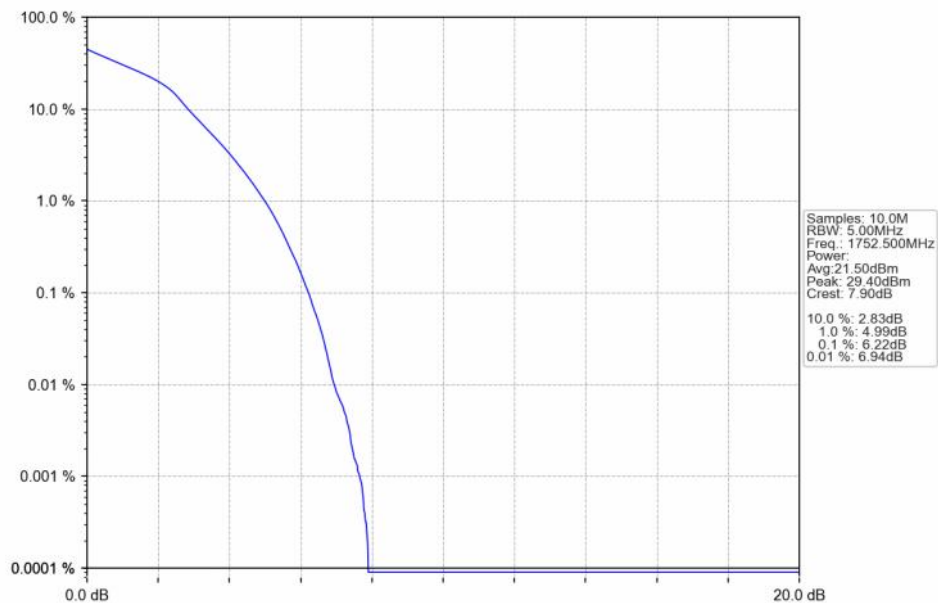
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



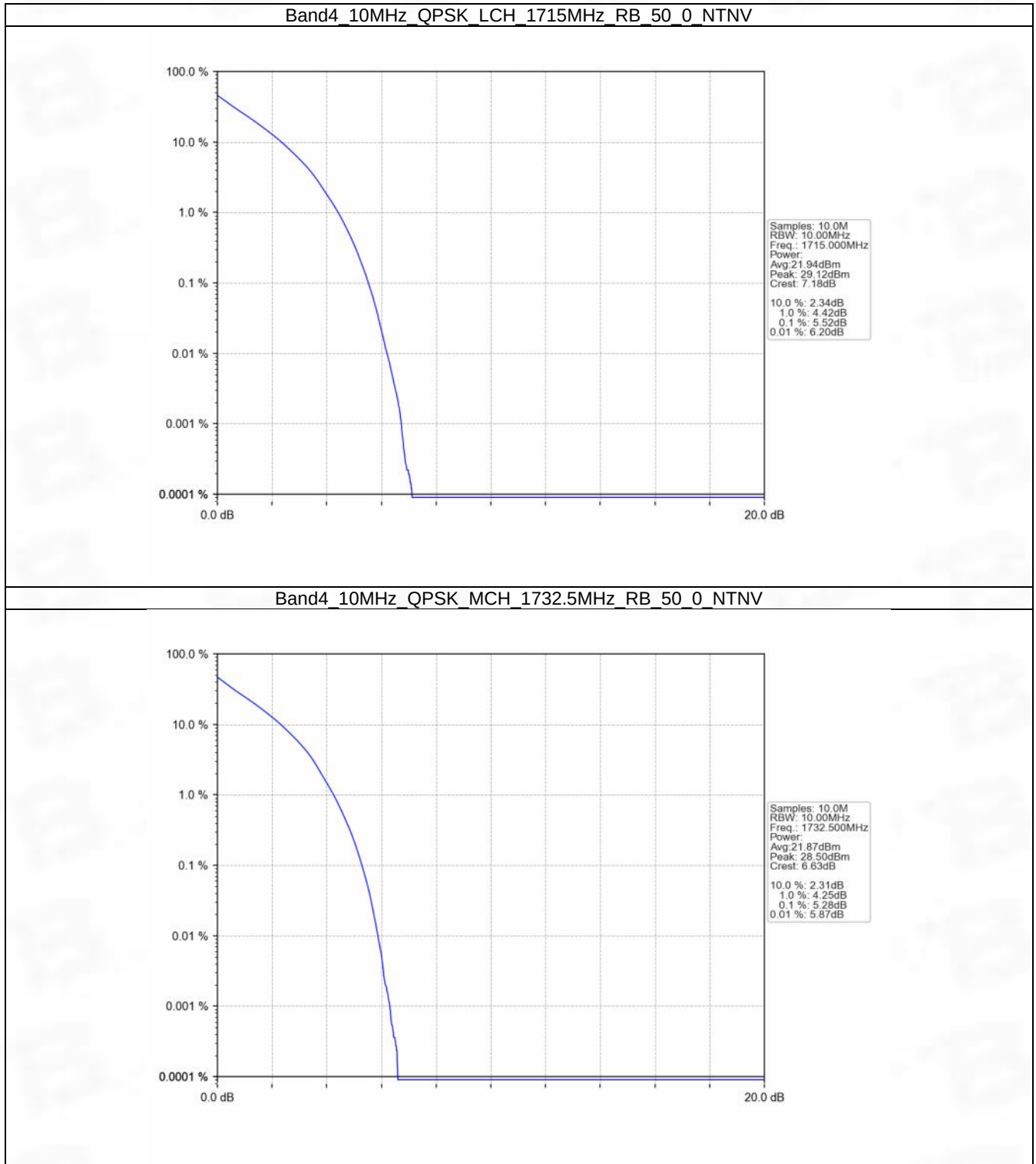
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



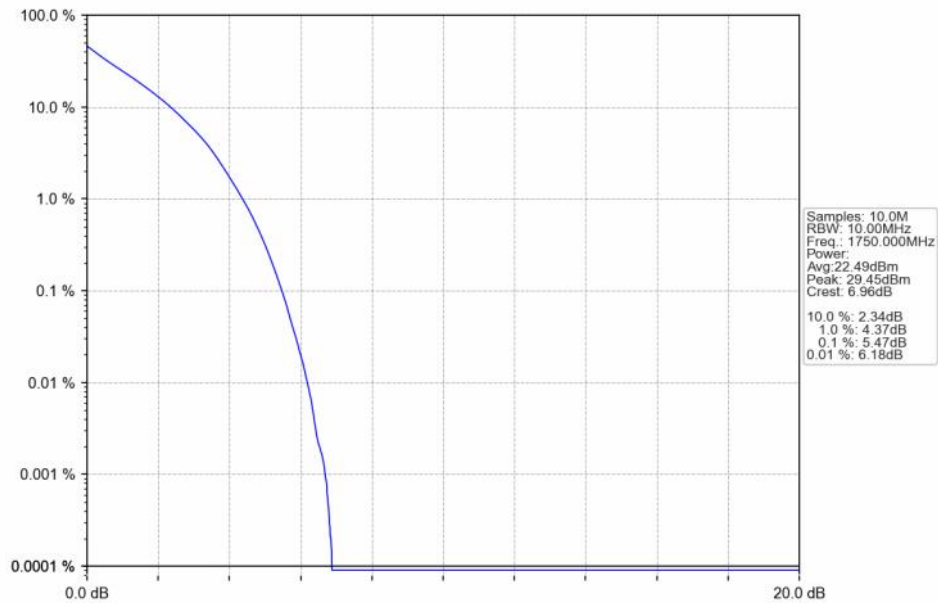
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



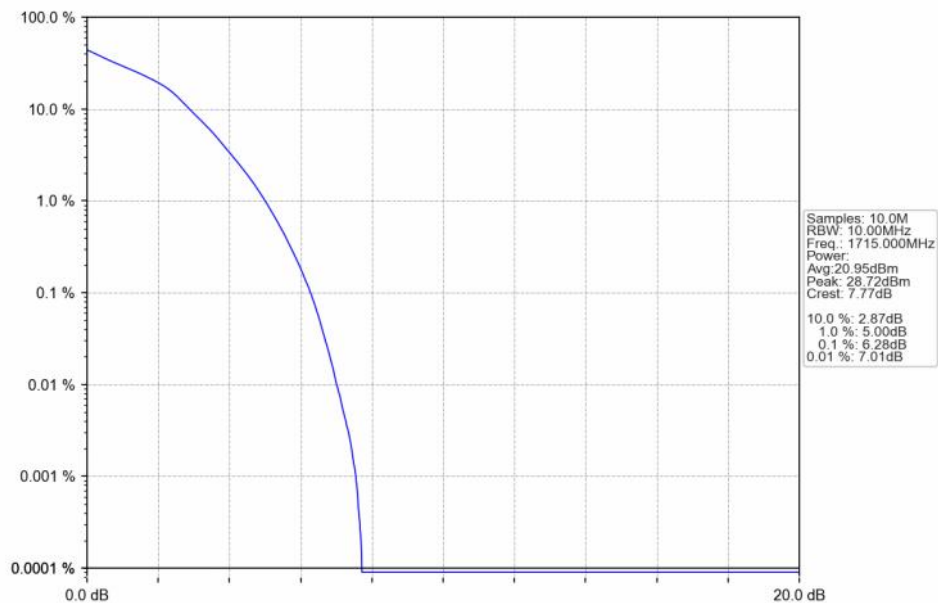
5.2.4 B4_10MHz



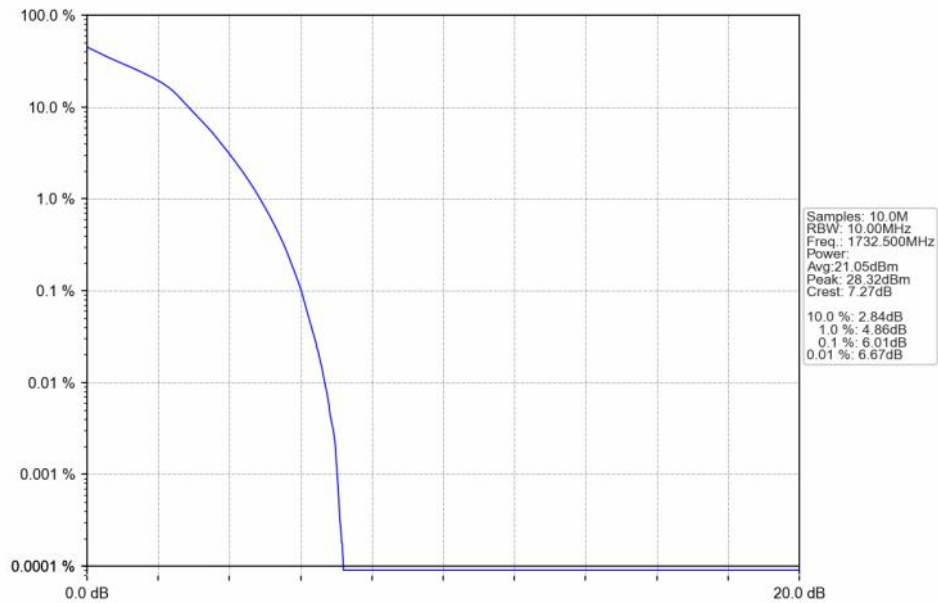
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



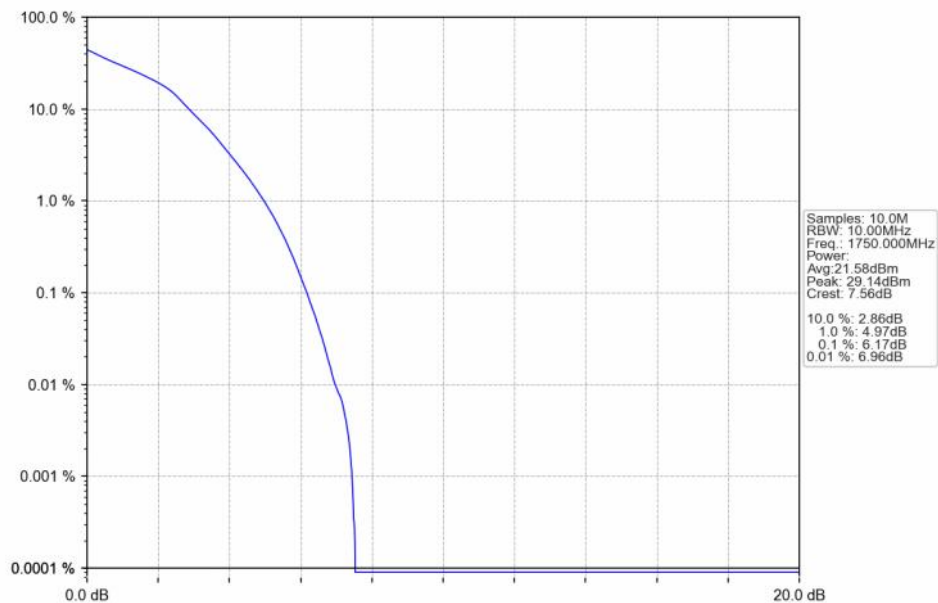
Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV



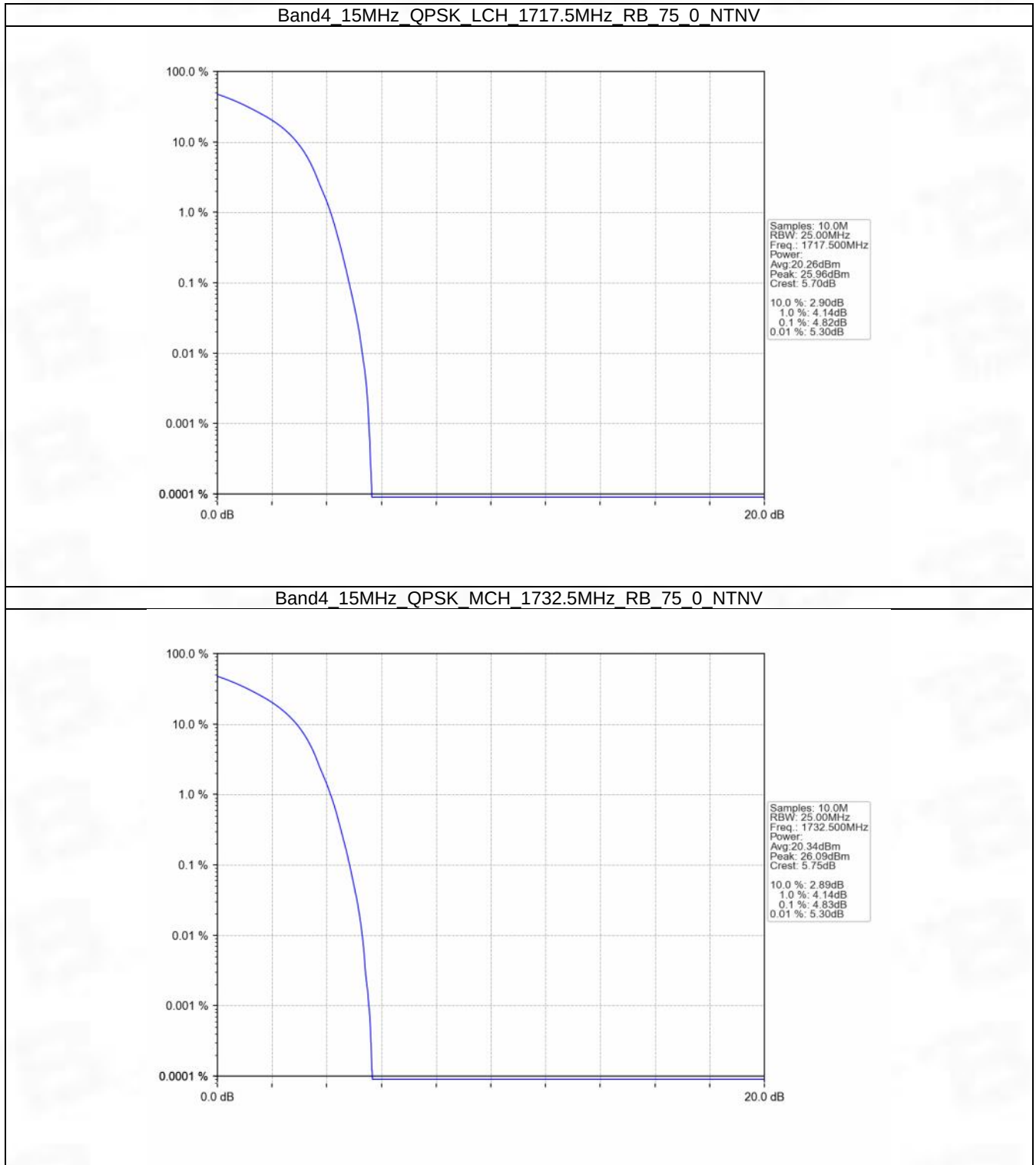
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



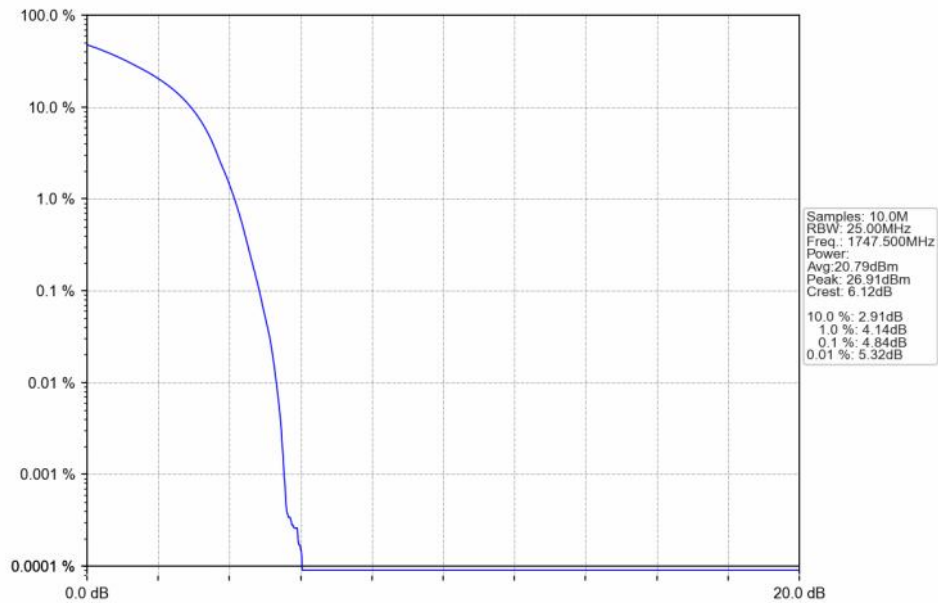
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



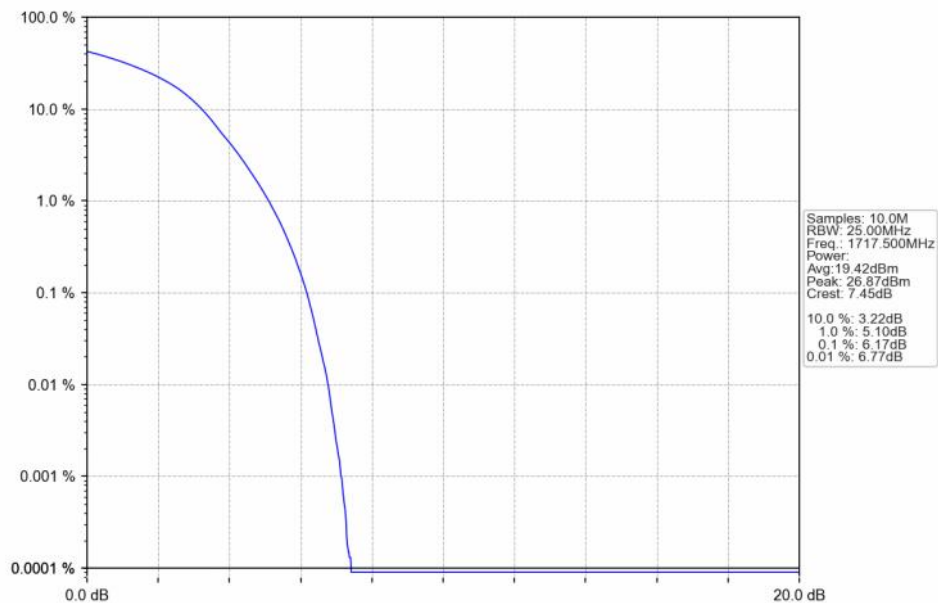
5.2.5 B4_15MHz



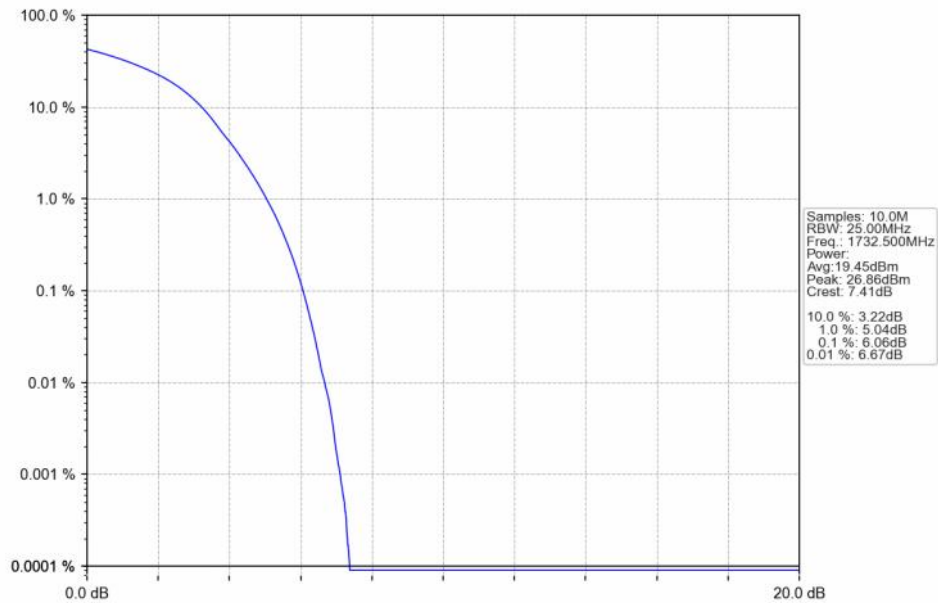
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



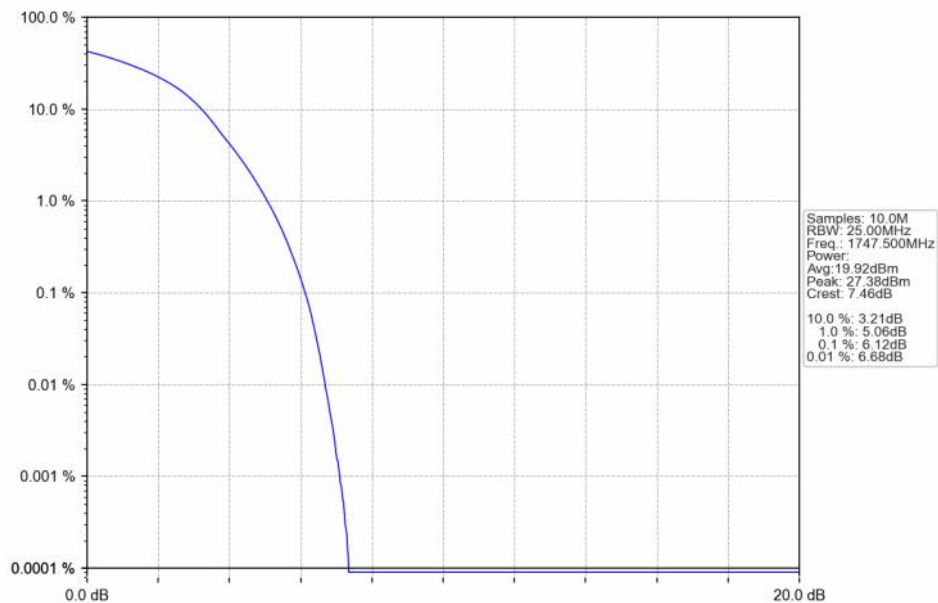
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



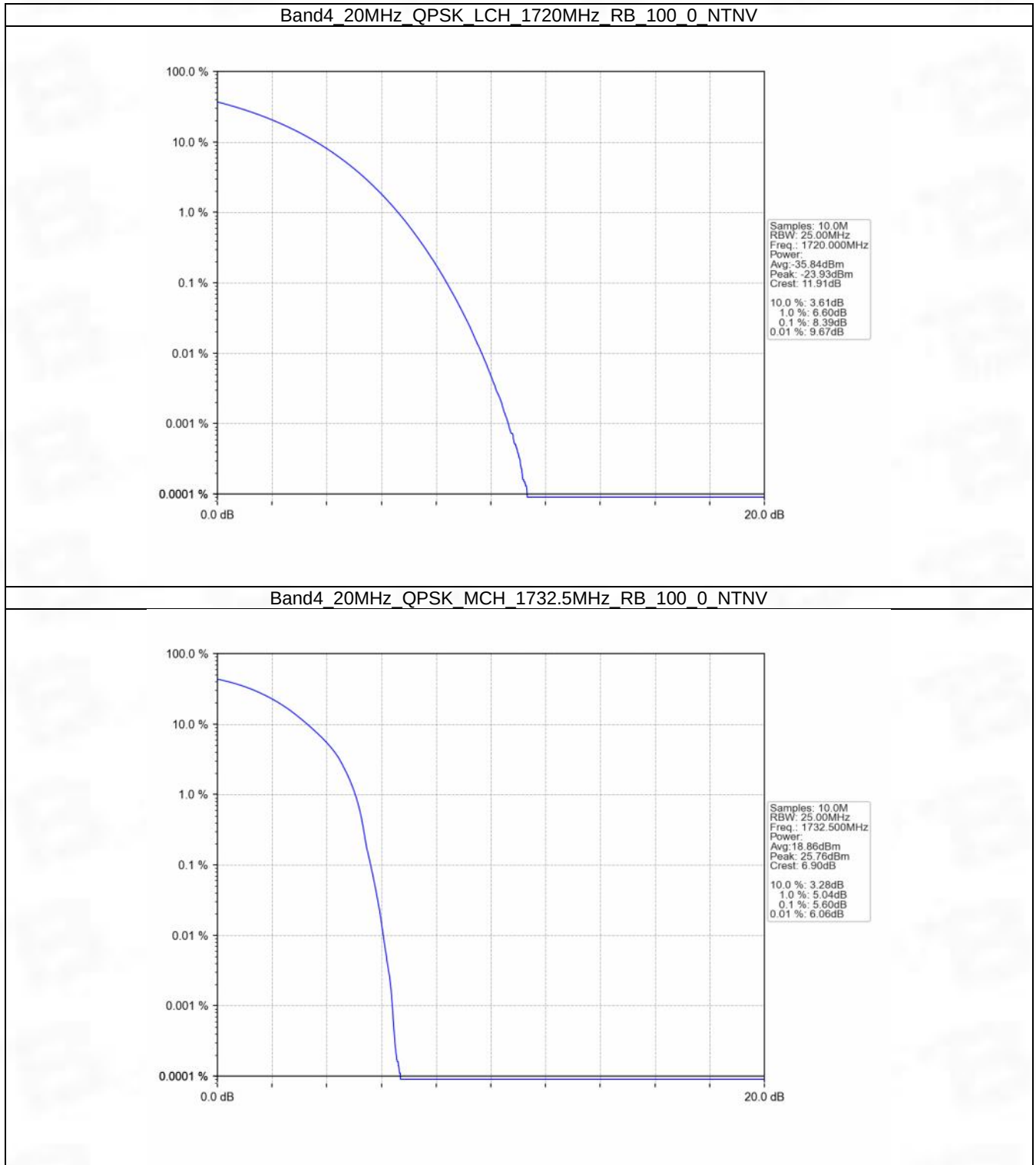
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



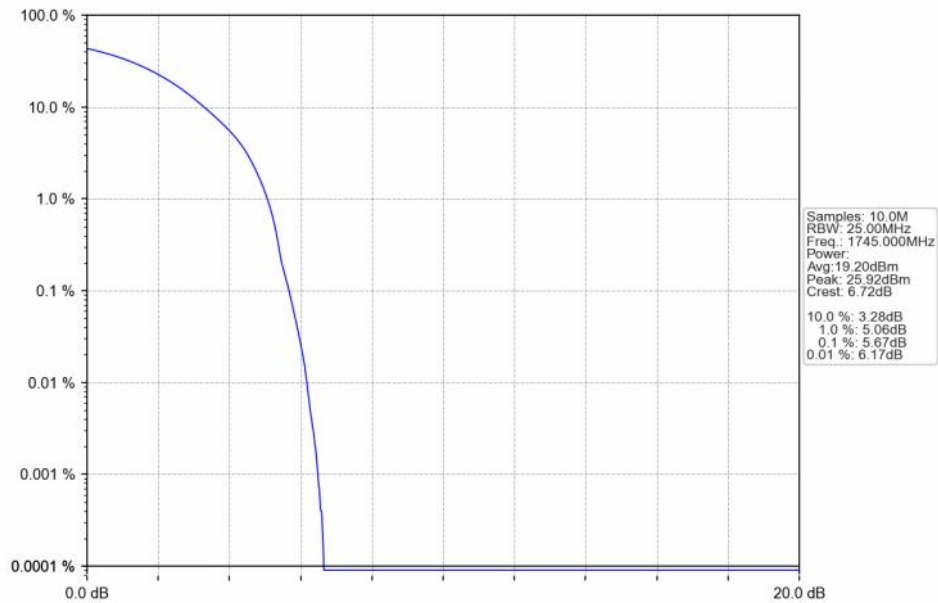
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



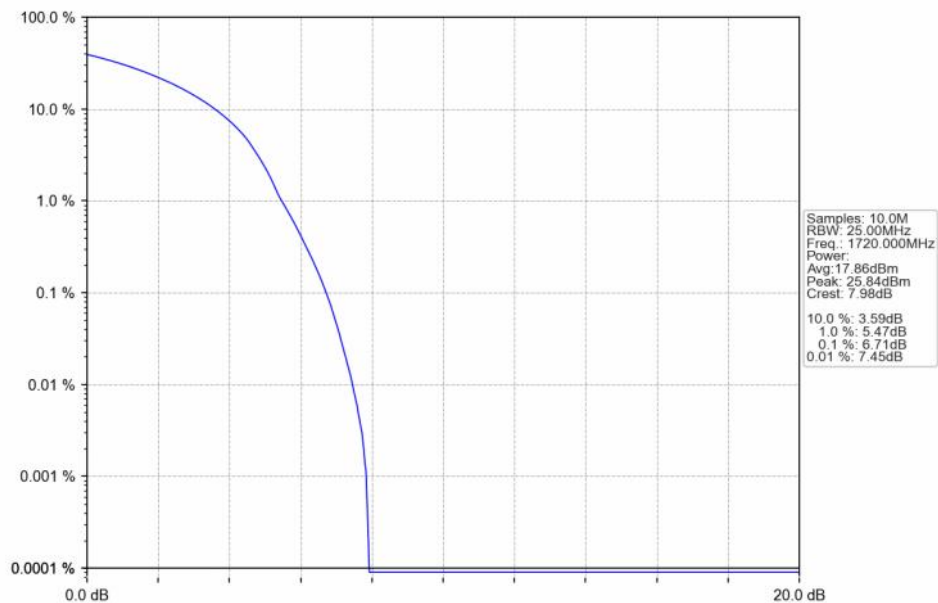
5.2.6 B4_20MHz



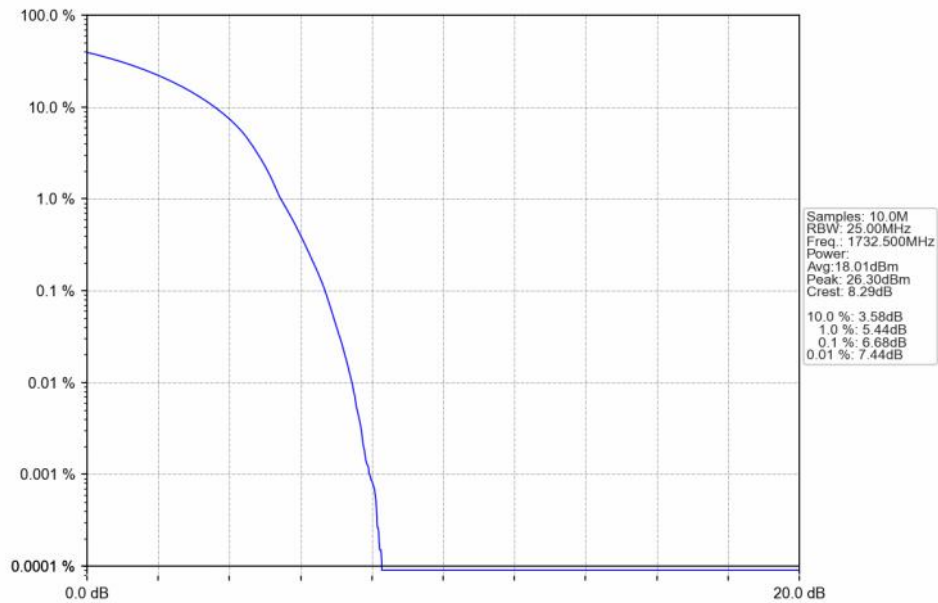
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



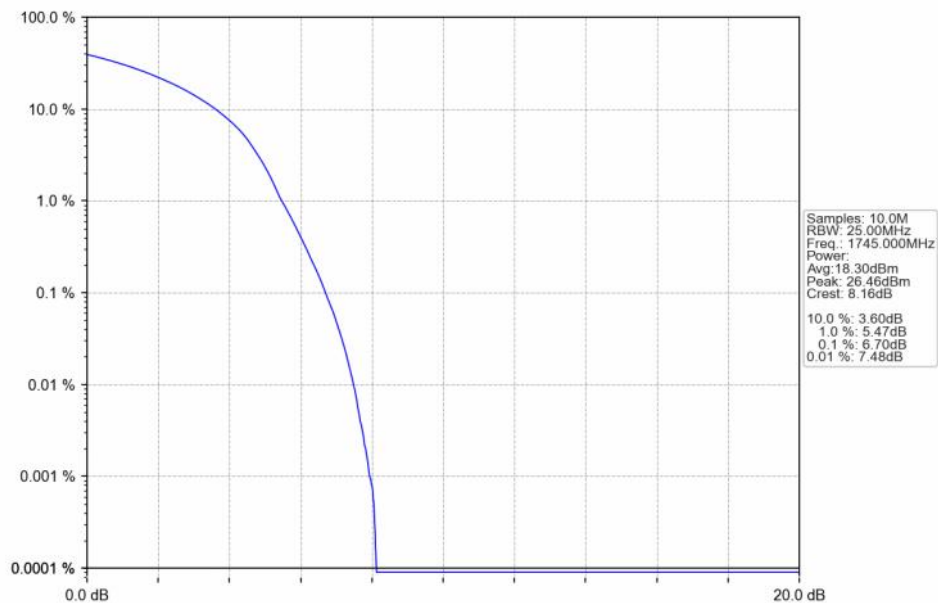
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
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

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTVN						
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

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTVN						
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

6.1.4 B4_10MHz

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

6.1.5 B4_15MHz

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

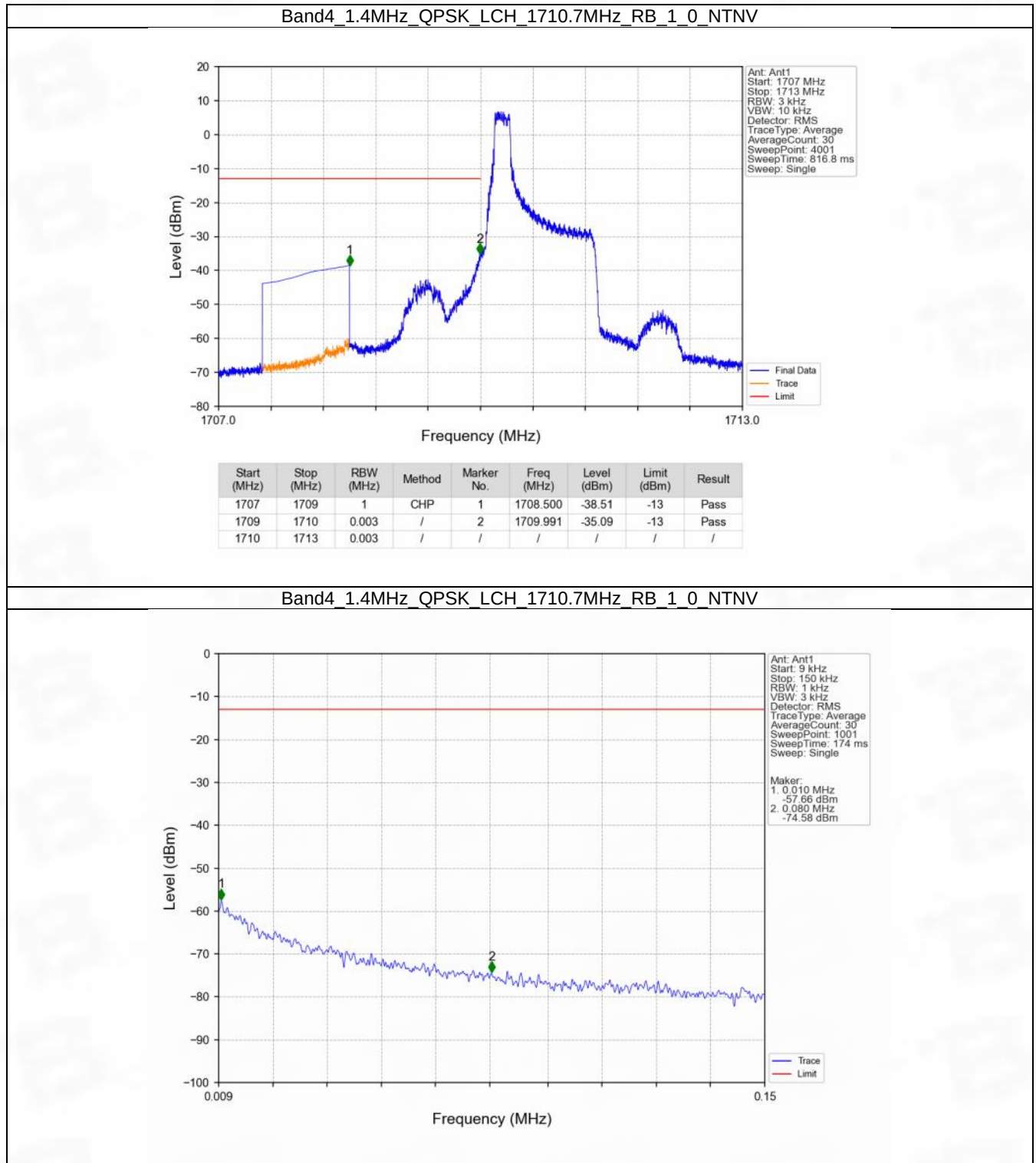
6.1.6 B4_20MHz

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

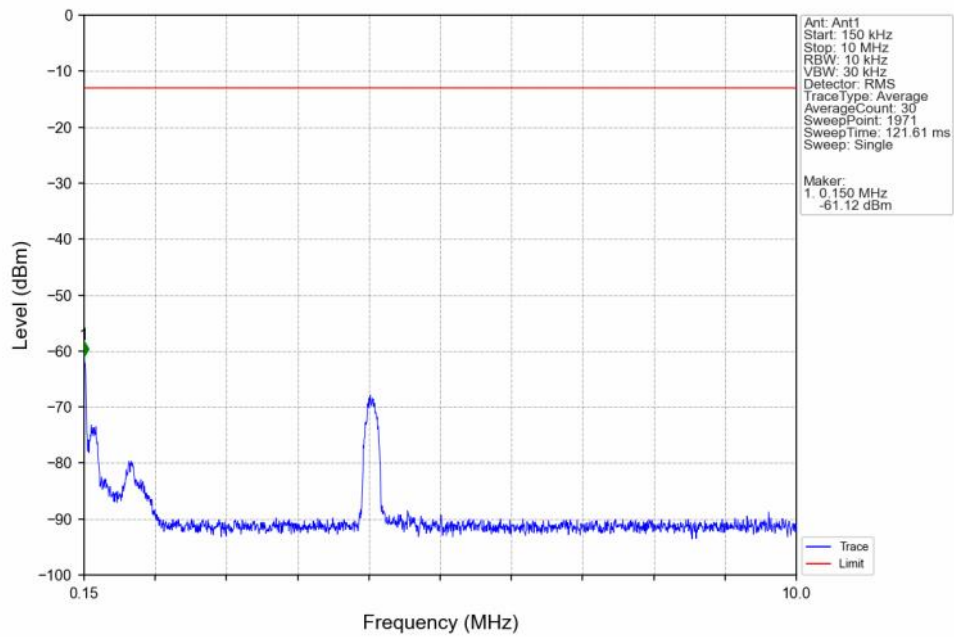
	1745	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

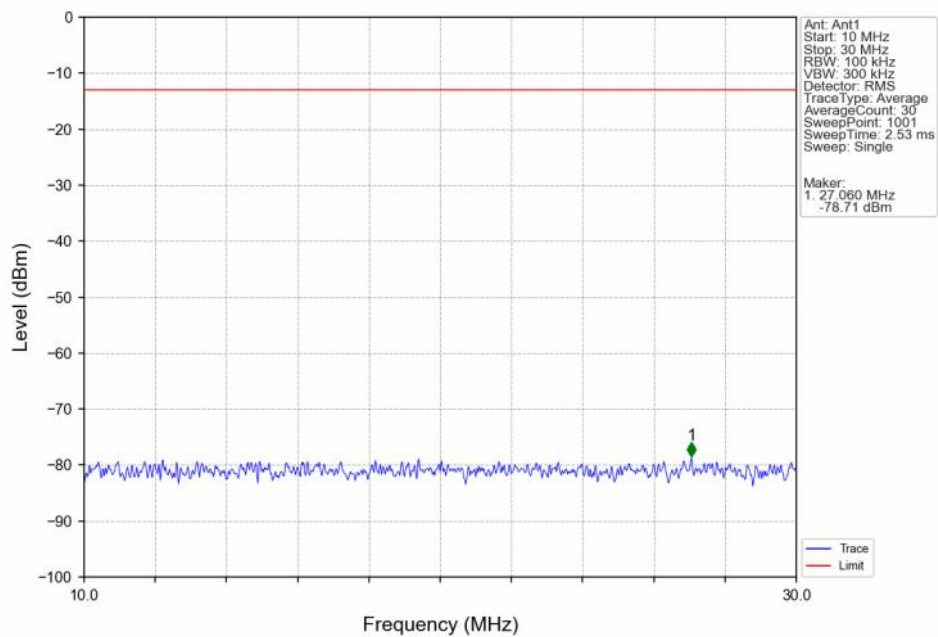
6.2.1 B4_1.4MHz



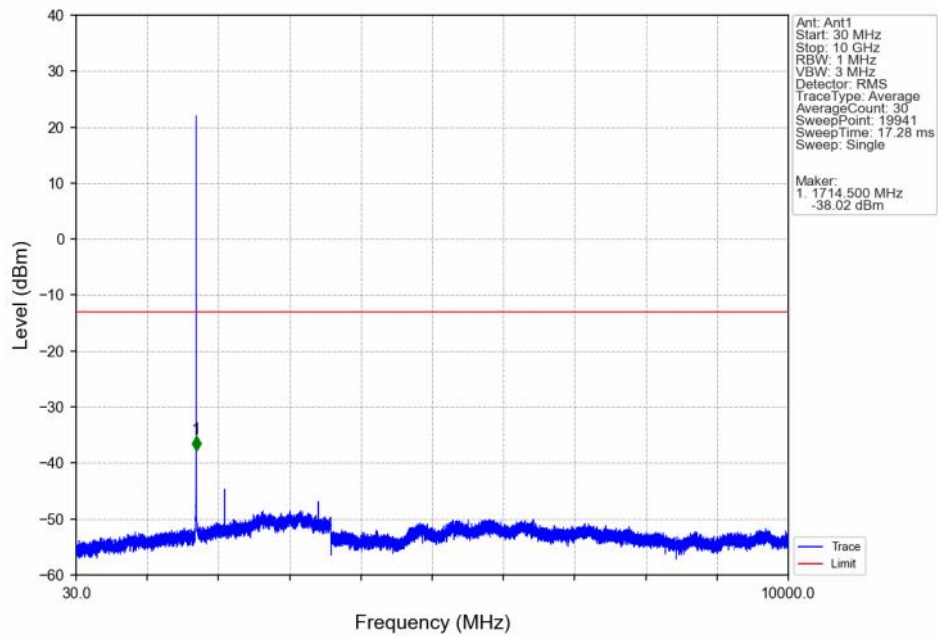
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



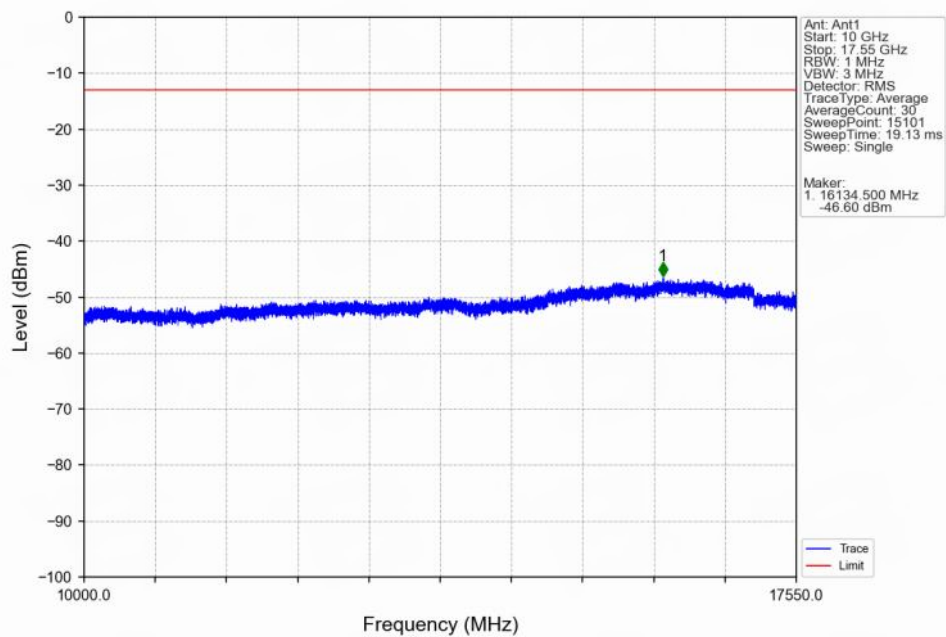
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



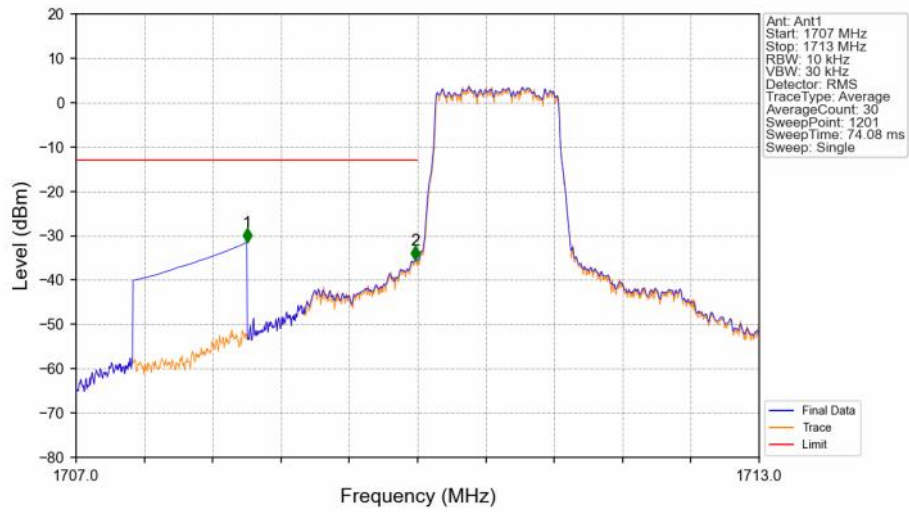
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



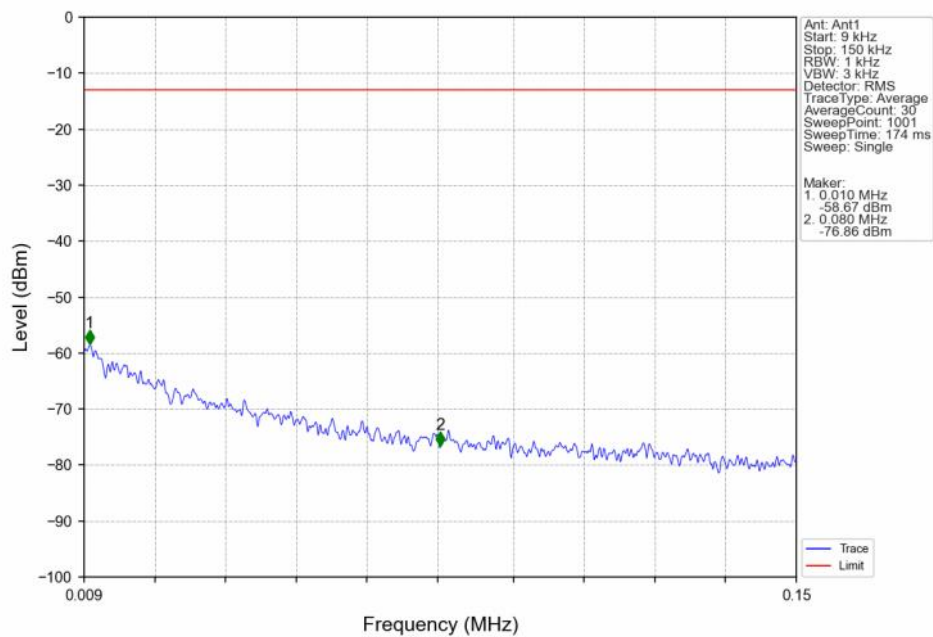
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_1_0_NTNV



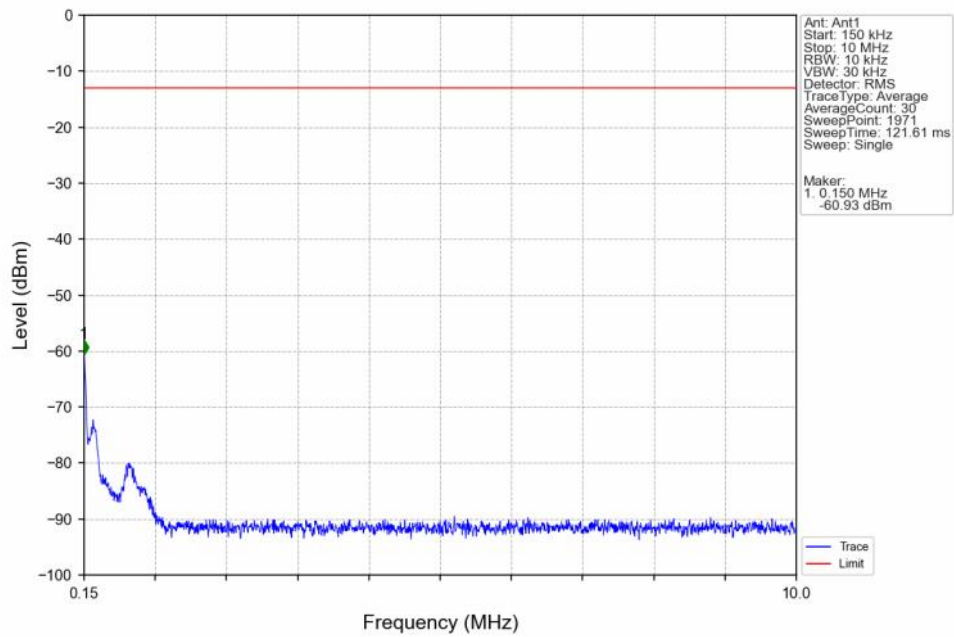
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



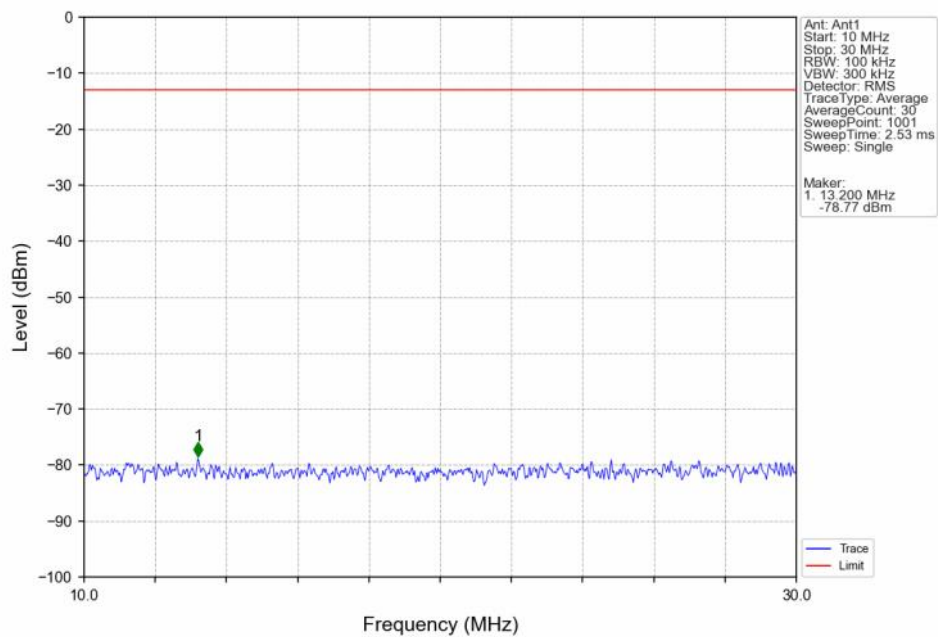
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



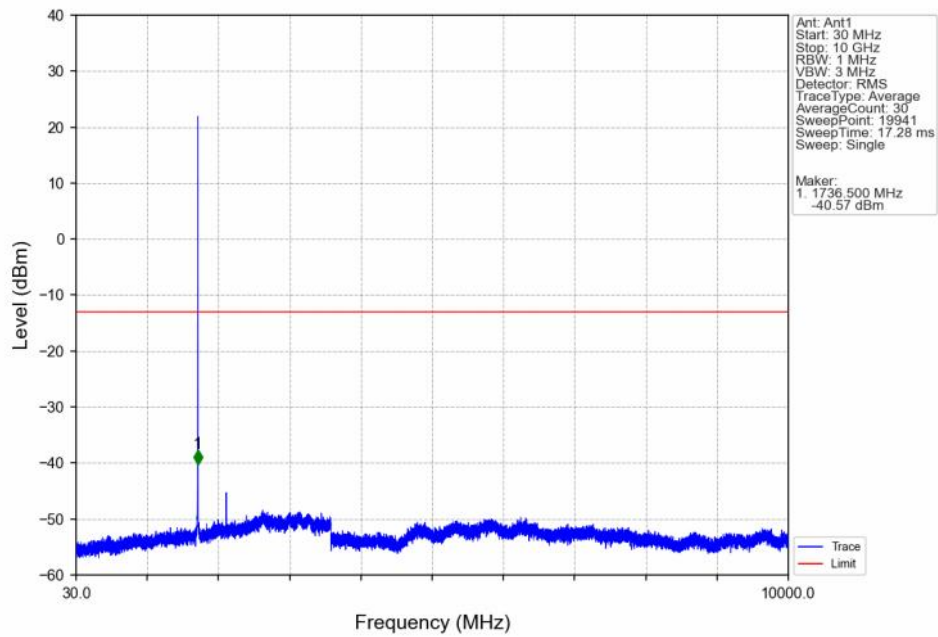
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



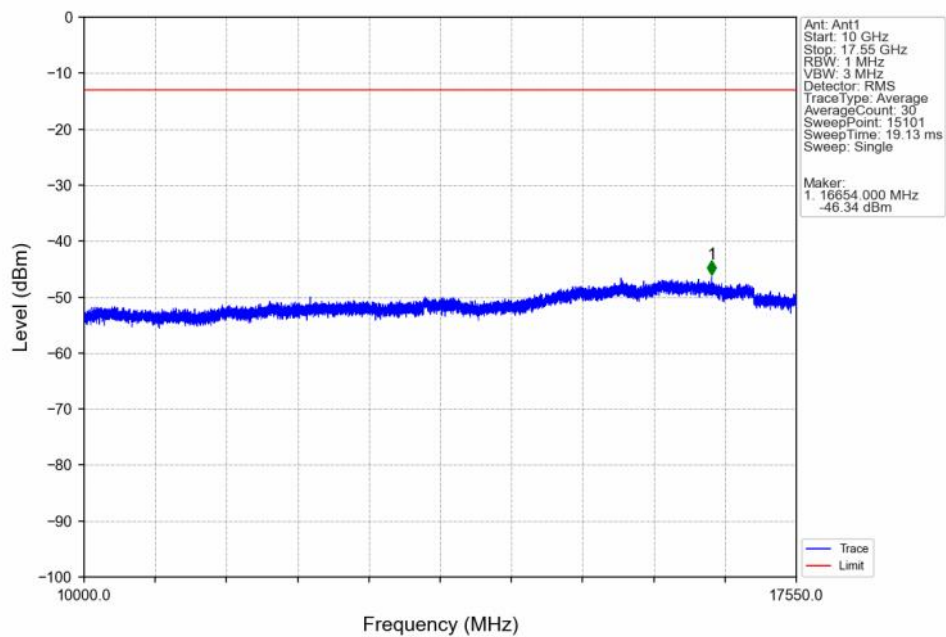
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



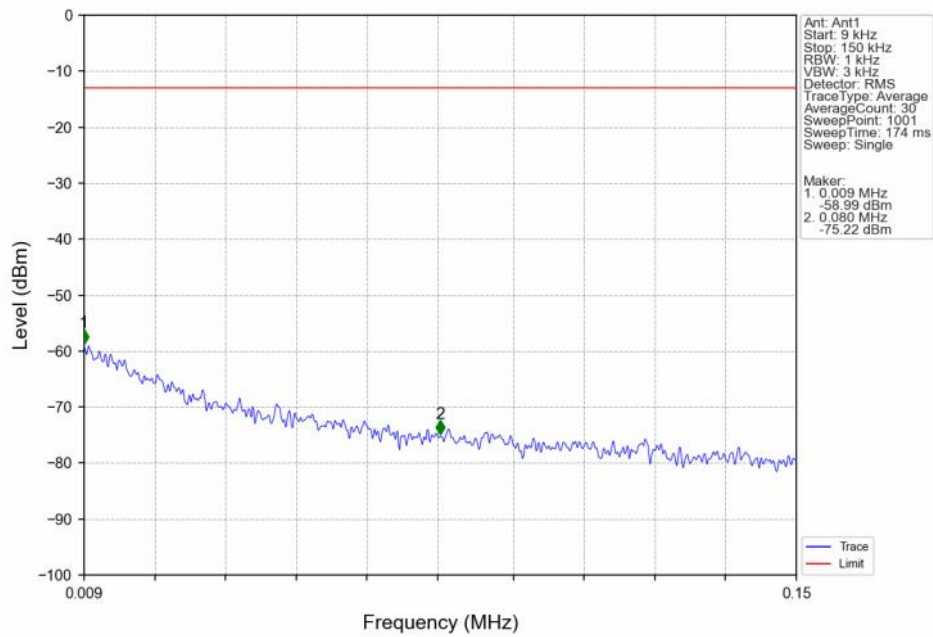
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



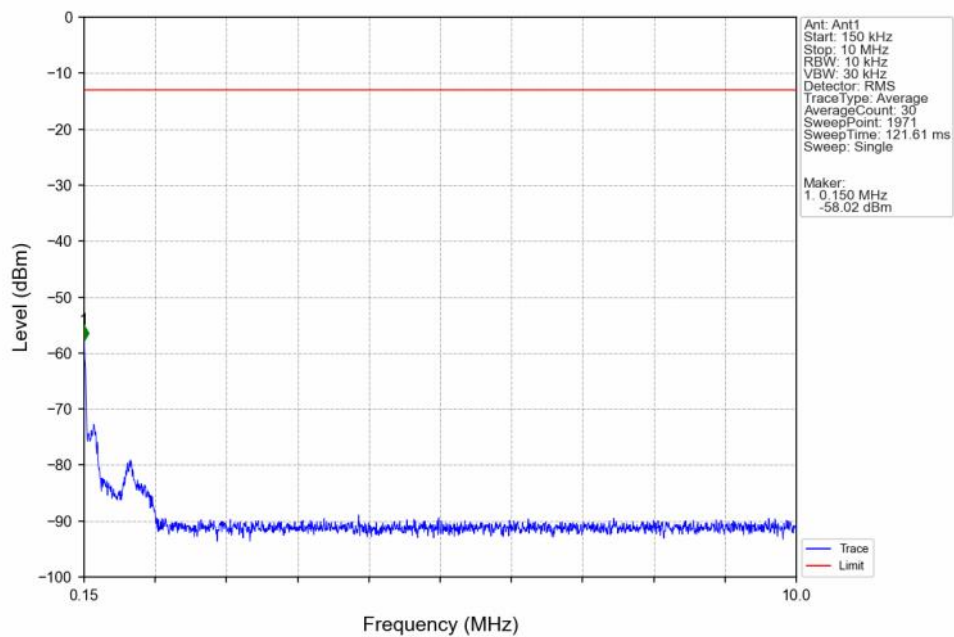
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_1_0_NTNV



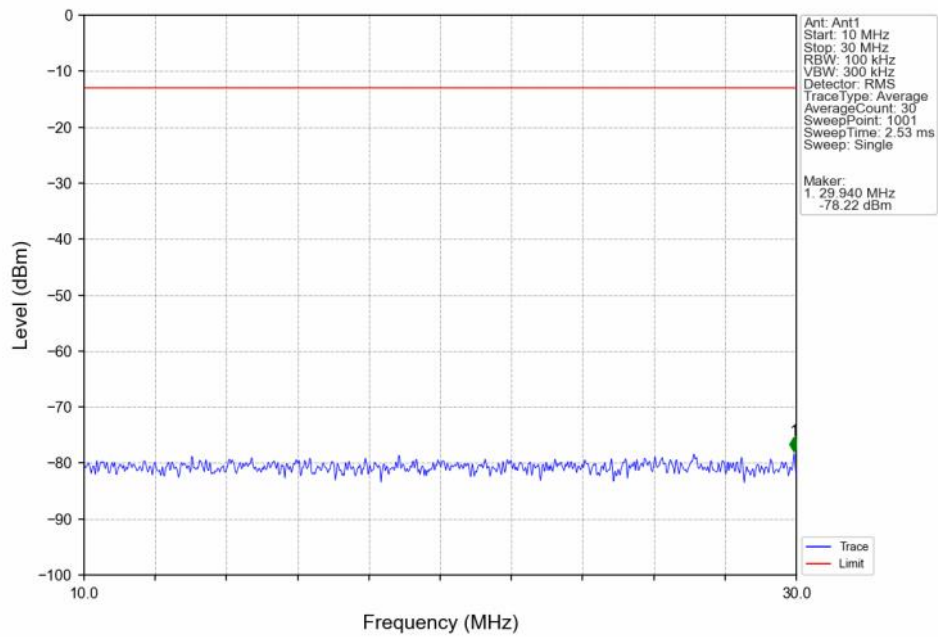
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



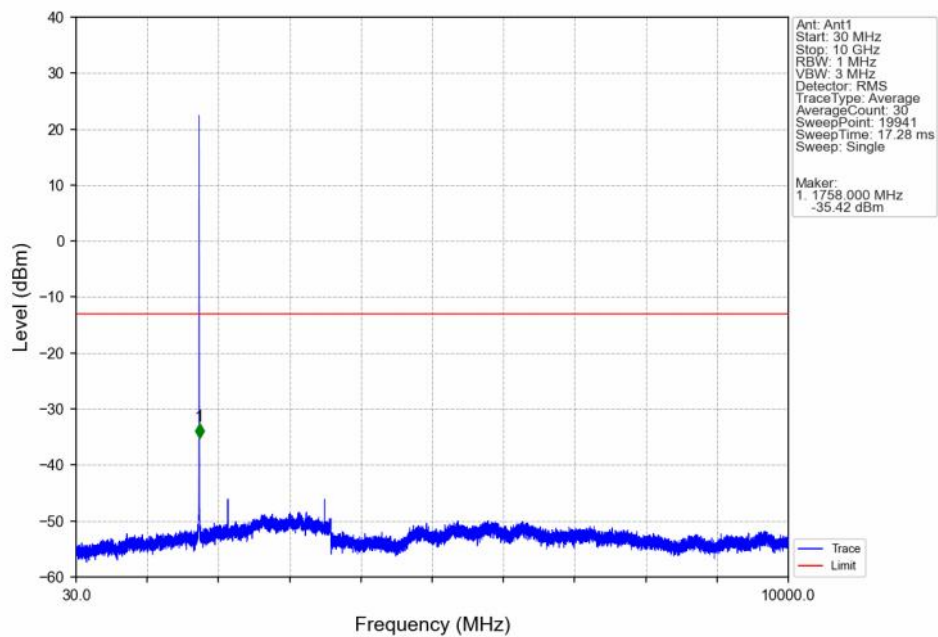
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



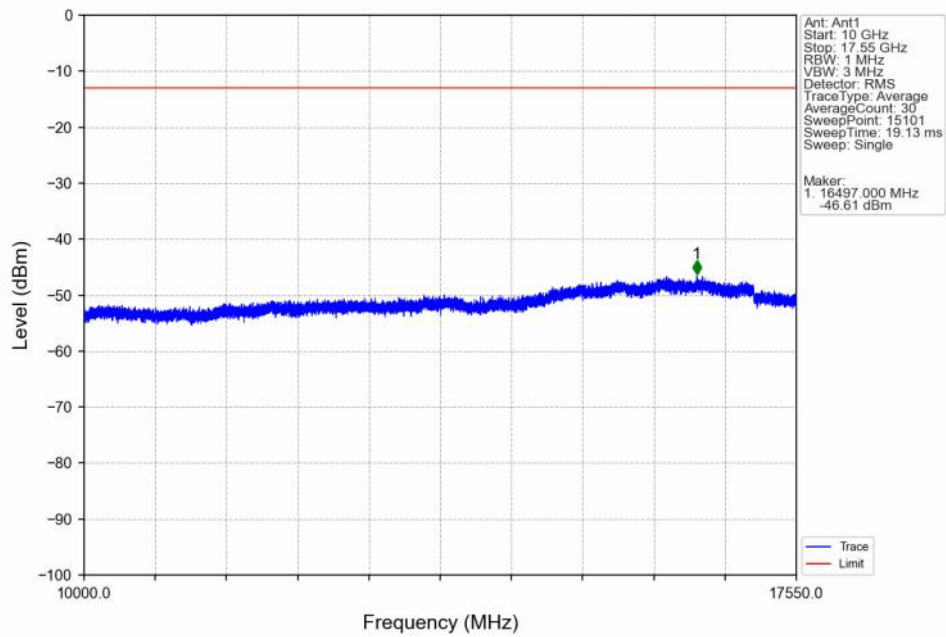
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



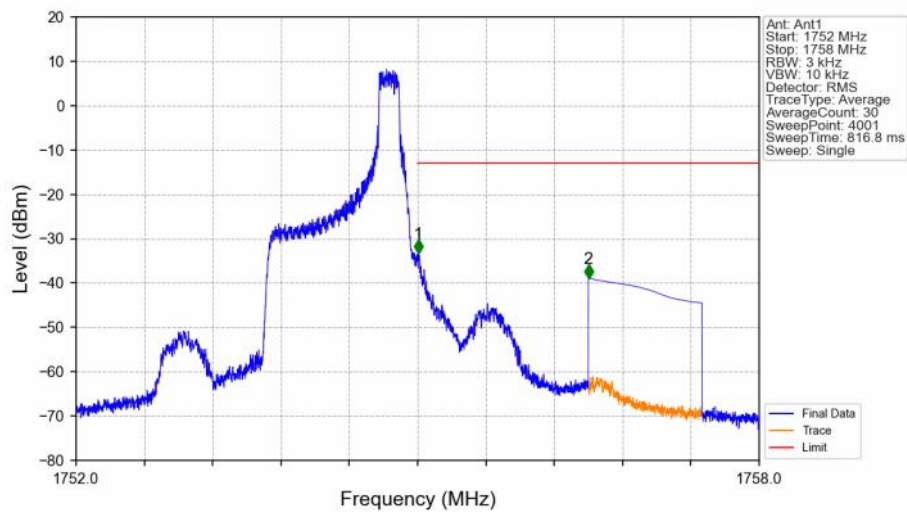
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_0_NTNV

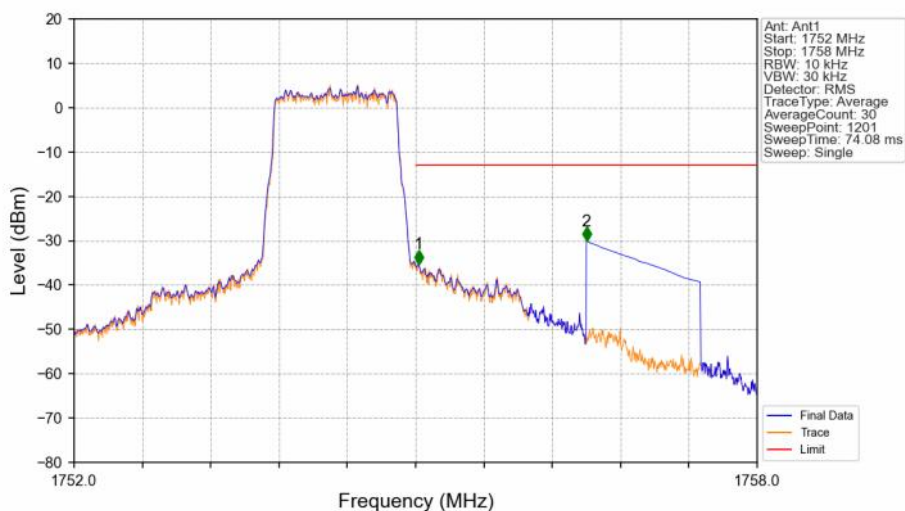


Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_1_5_NTNV



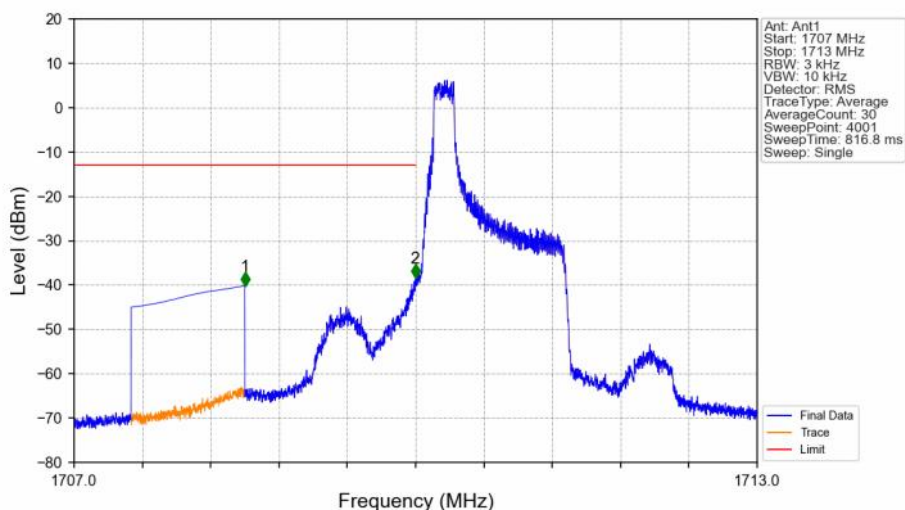
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.007	-33.36	-13	Pass
1756	1758	1	CHP	2	1756.500	-38.91	-13	Pass

Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTN



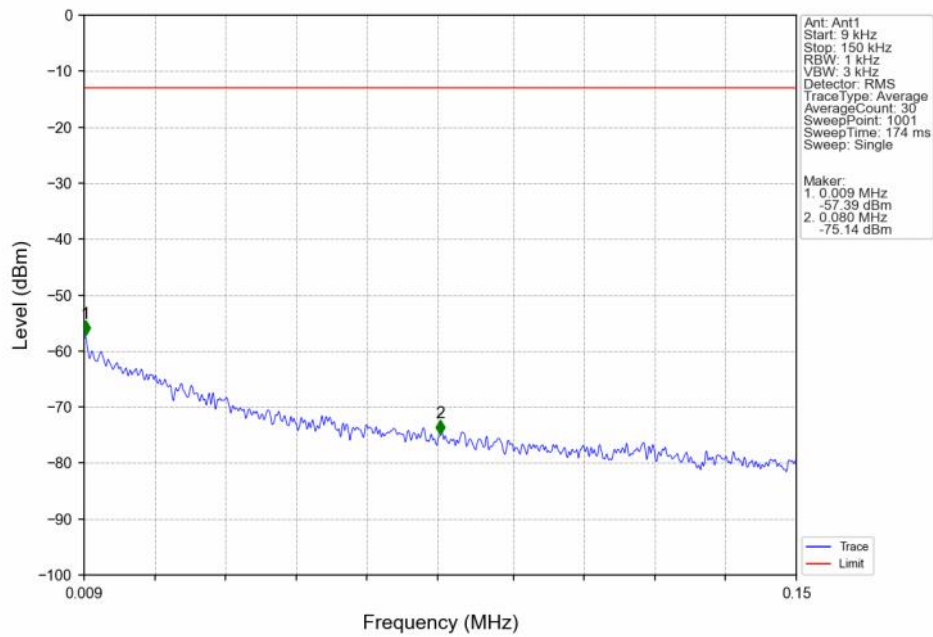
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.025	-35.23	-13	Pass
1756	1758	1	CHP	2	1756.500	-30.11	-13	Pass

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

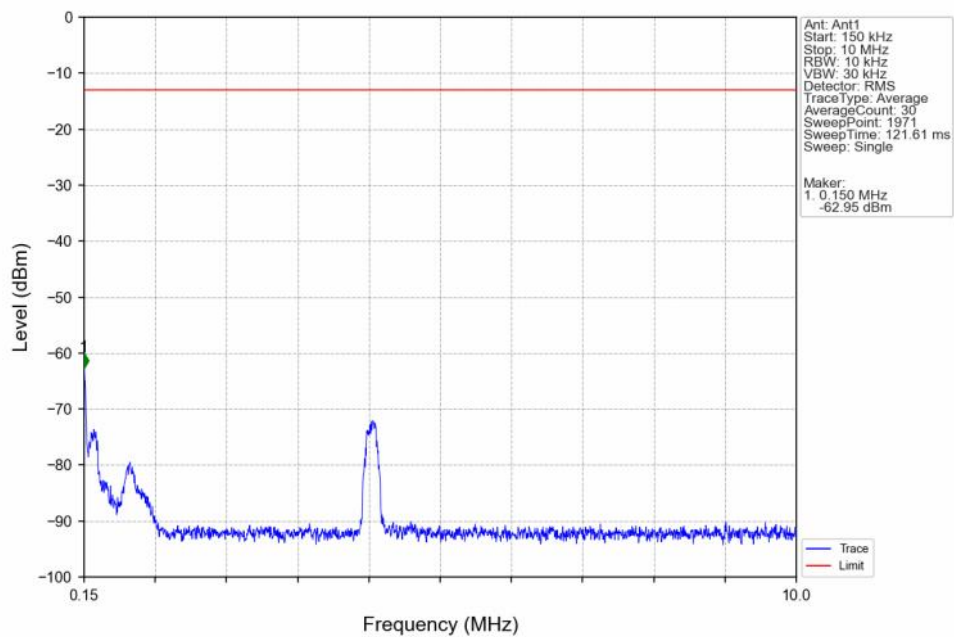


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-40.16	-13	Pass
1709	1710	0.003	/	2	1709.997	-38.48	-13	Pass
1710	1713	0.003	/	/	/	/	/	/

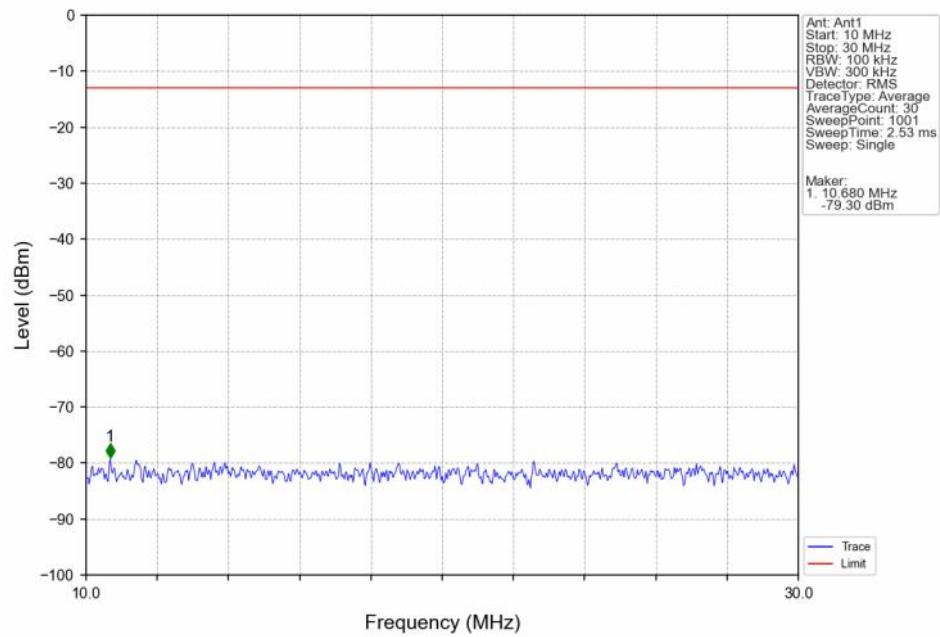
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



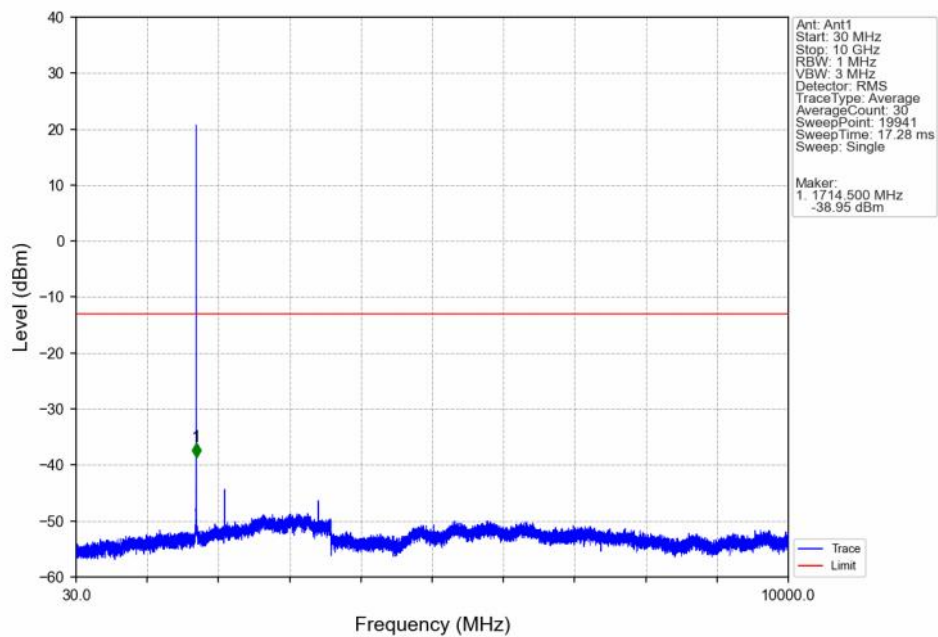
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



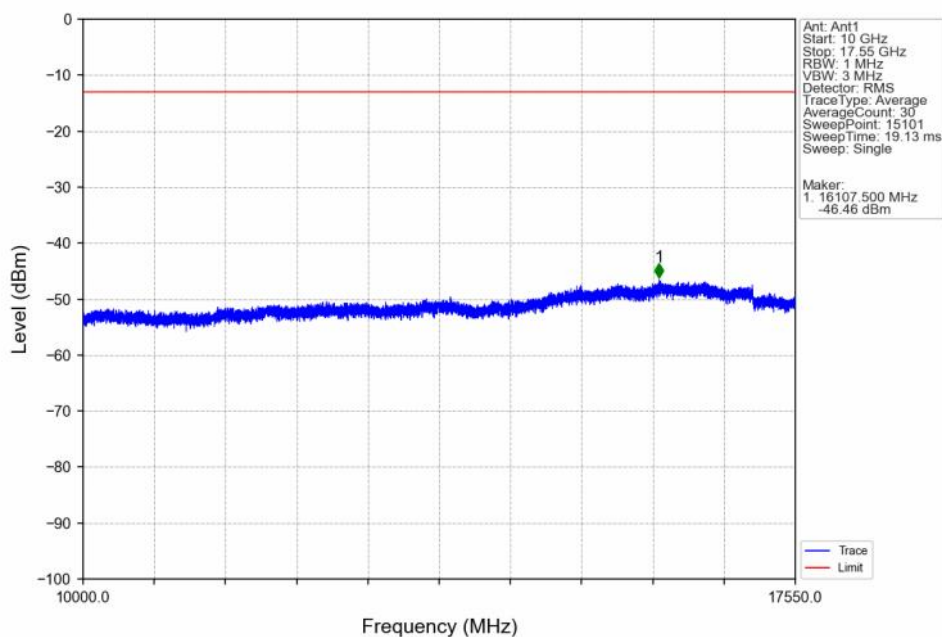
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



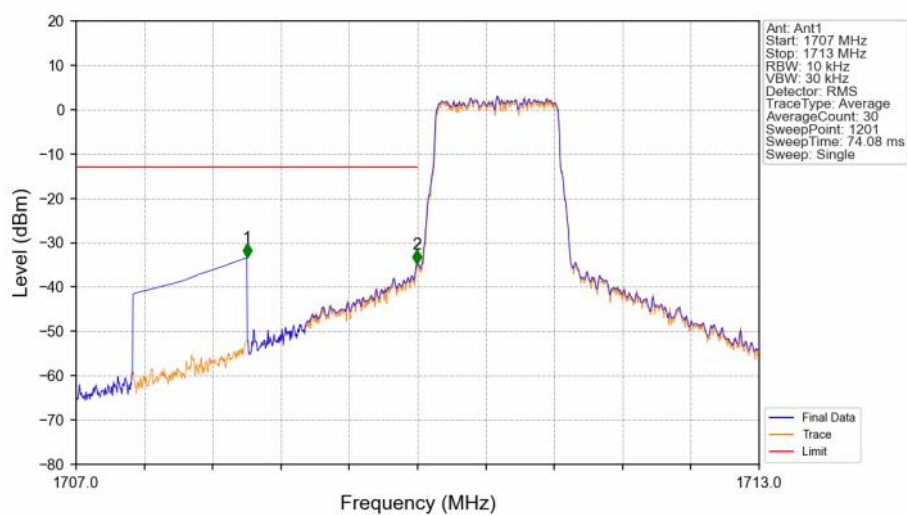
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_1_0_NTNV

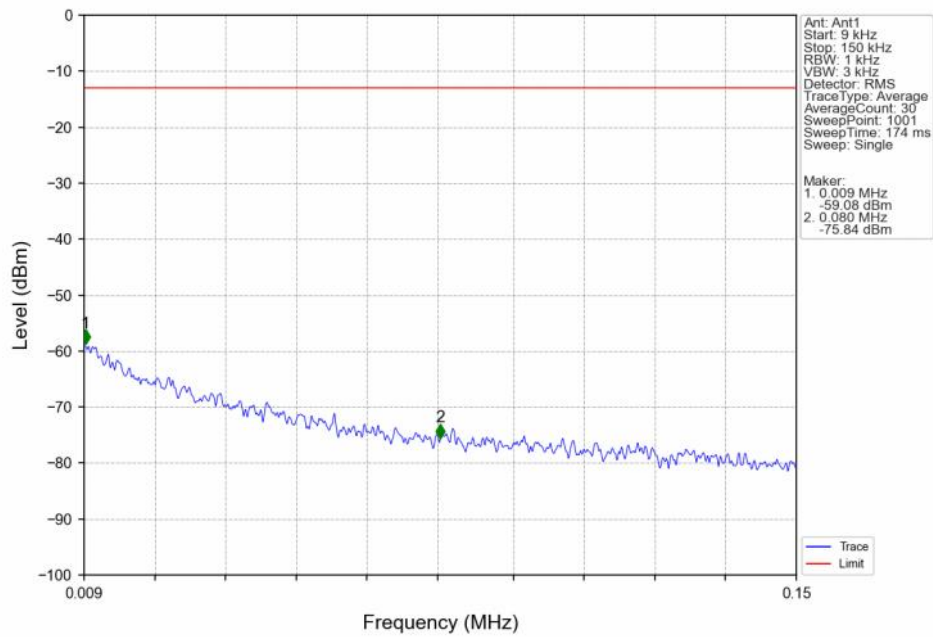


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

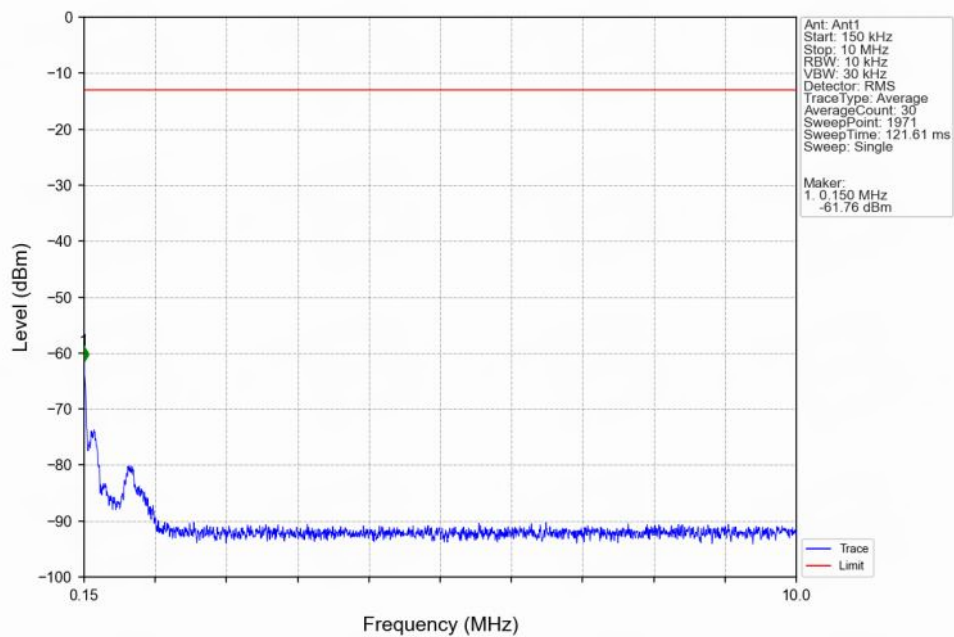


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1707	1709	1	CHP	1	1708.500	-33.40	-13	Pass
1709	1710	0.013	CHP	2	1709.995	-34.75	-13	Pass
1710	1713	0.013	CHP	/	/	/	/	/

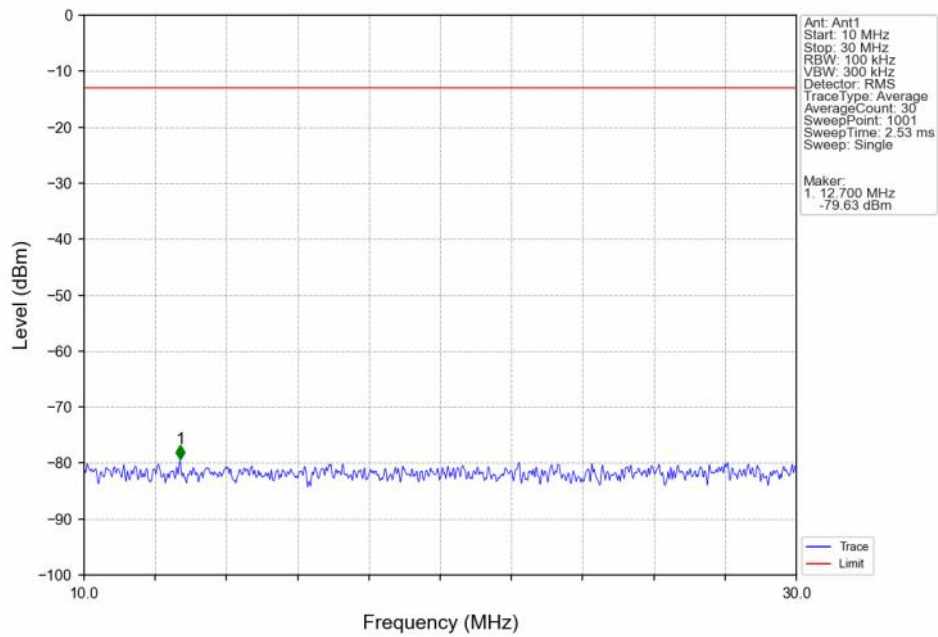
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



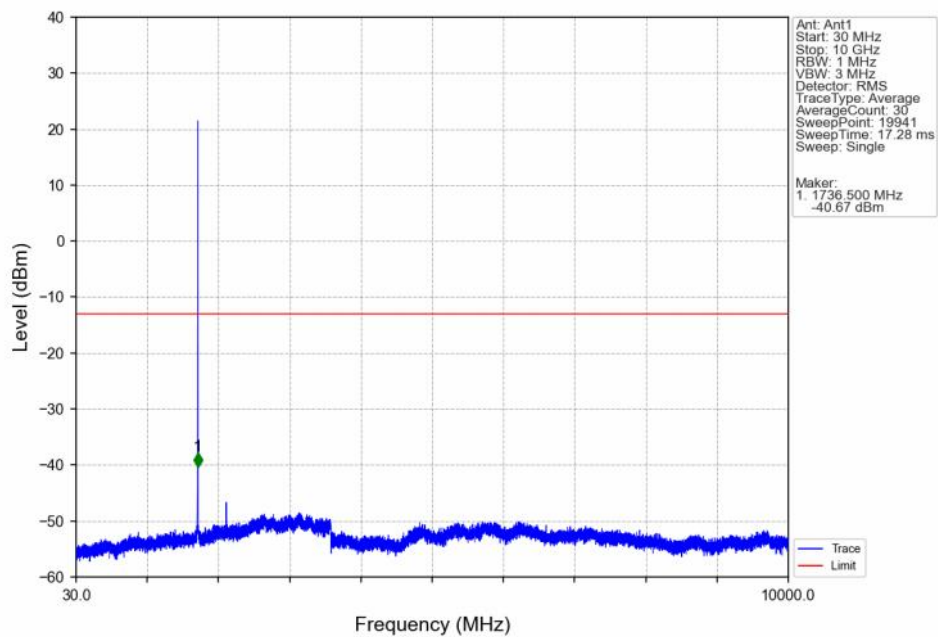
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



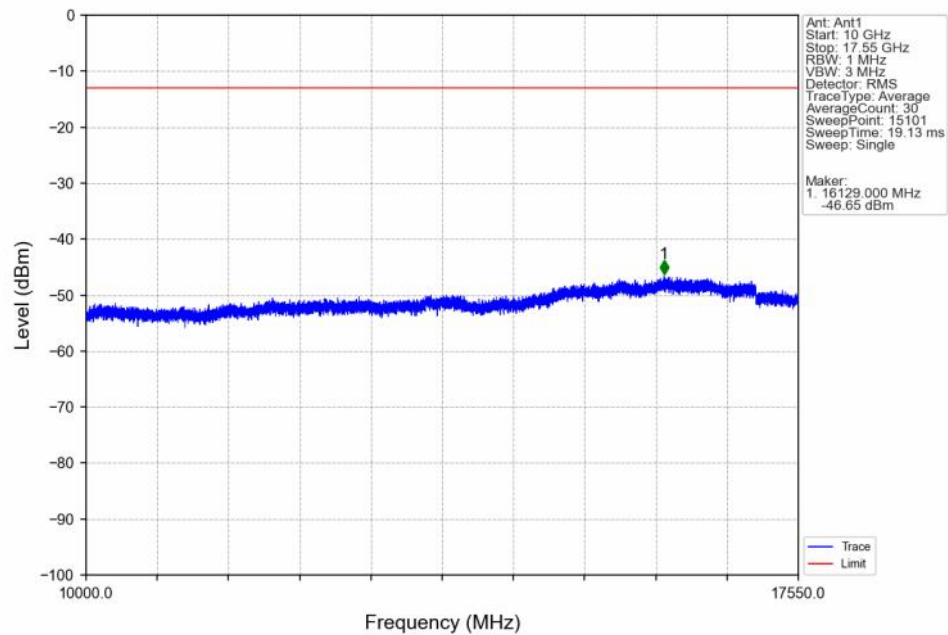
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



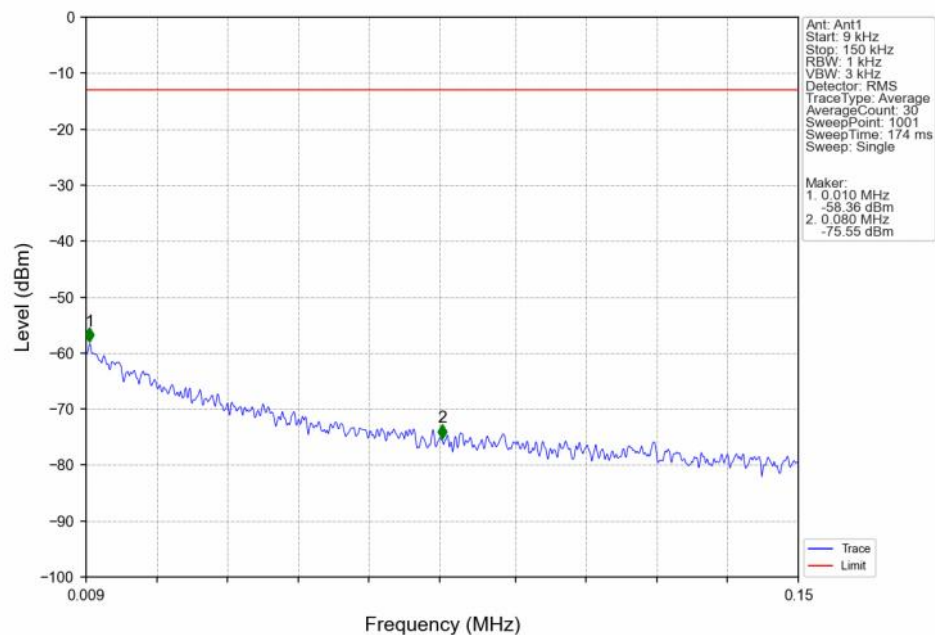
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



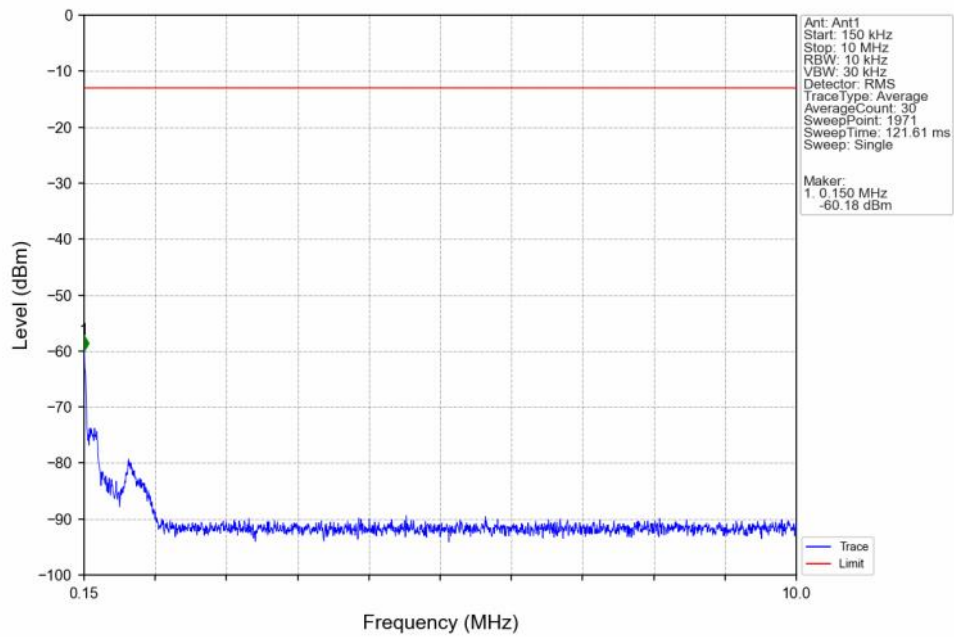
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_1_0_NTNV



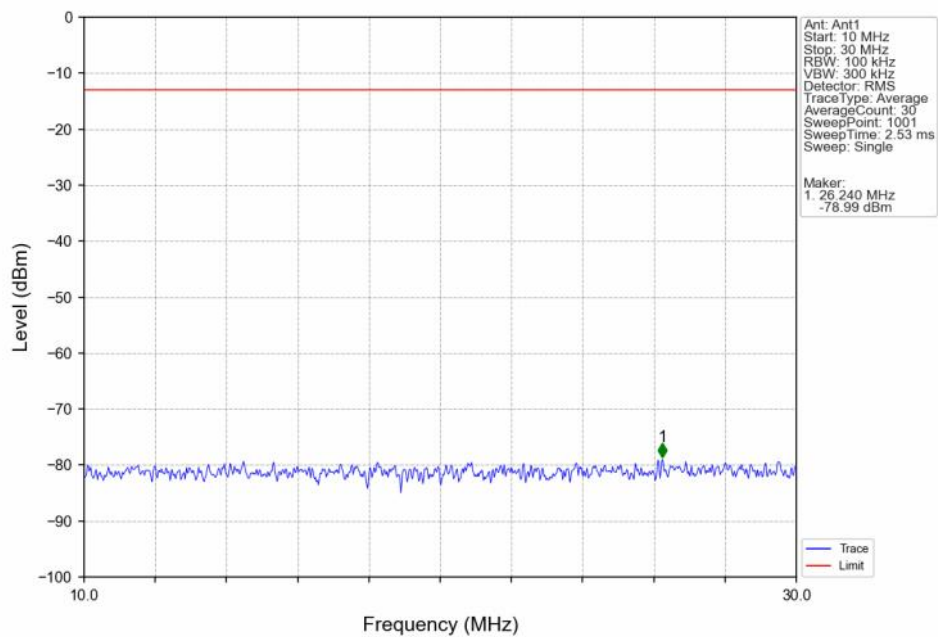
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



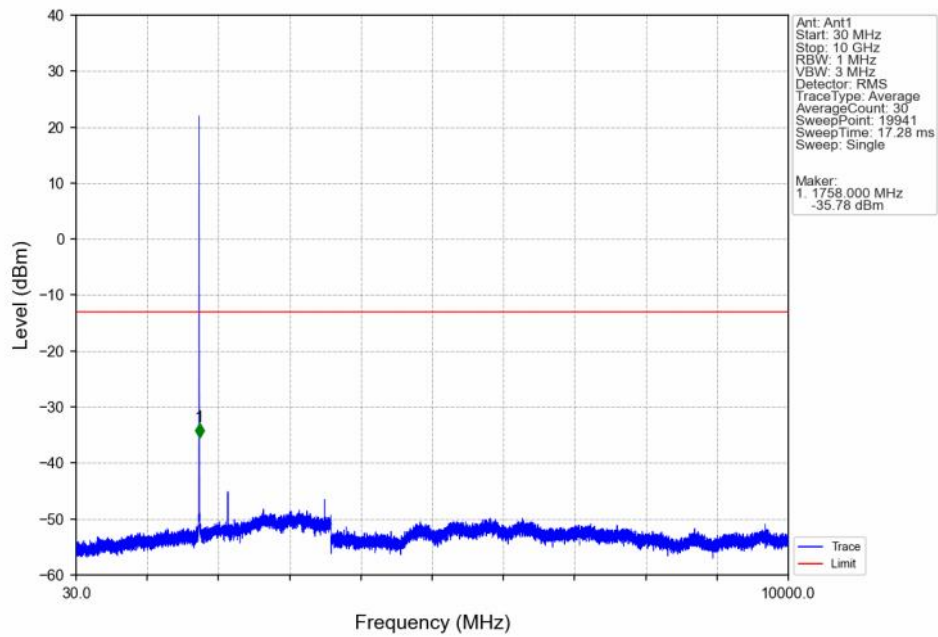
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



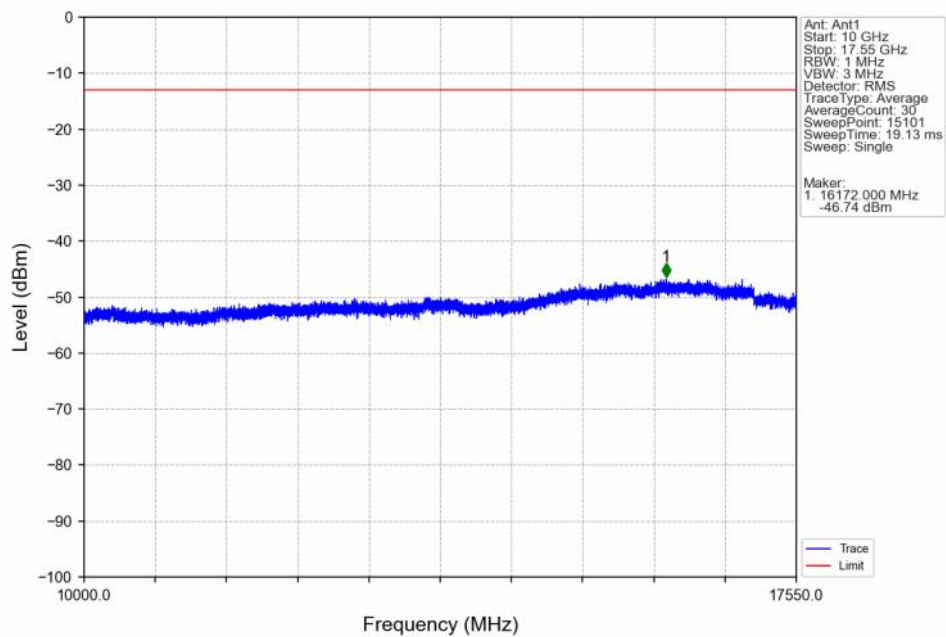
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



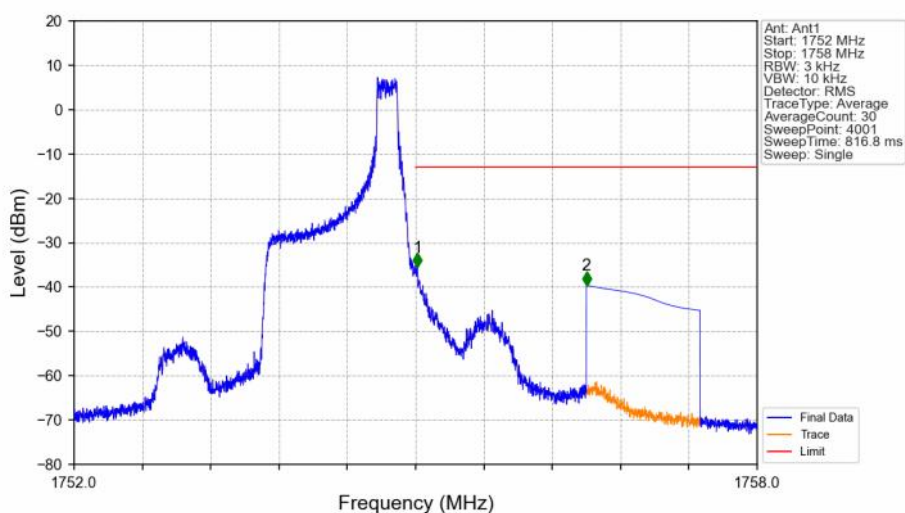
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV



Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_0_NTNV

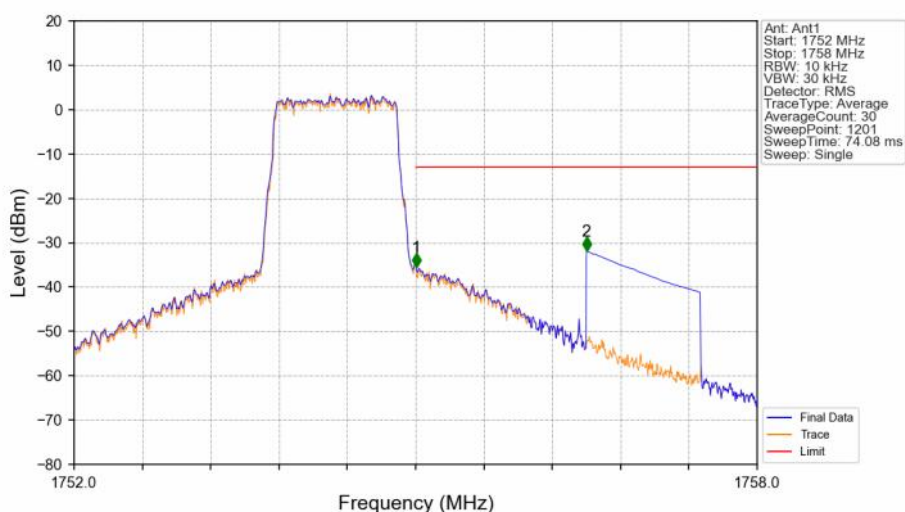


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_1_5_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.003	/	/	/	/	/	/
1755	1756	0.003	/	1	1755.015	-35.46	-13	Pass
1756	1758	1	CHP	2	1756.500	-39.60	-13	Pass

Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
1752	1755	0.013	CHP	/	/	/	/	/
1755	1756	0.013	CHP	1	1755.005	-35.45	-13	Pass
1756	1758	1	CHP	2	1756.500	-31.93	-13	Pass