

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	23.20	-5.76	17.44	<=30	Pass
			2	22.78	-5.76	17.02	<=30	Pass
			5	22.67	-5.76	16.91	<=30	Pass
		3	0	22.90	-5.76	17.14	<=30	Pass
			2	22.91	-5.76	17.15	<=30	Pass
			3	22.88	-5.76	17.12	<=30	Pass
		6	0	21.86	-5.76	16.10	<=30	Pass
	1732.5	1	0	22.85	-5.76	17.09	<=30	Pass
			2	22.93	-5.76	17.17	<=30	Pass
			5	22.85	-5.76	17.09	<=30	Pass
		3	0	22.99	-5.76	17.23	<=30	Pass
			2	22.92	-5.76	17.16	<=30	Pass
			3	22.95	-5.76	17.19	<=30	Pass
		6	0	21.98	-5.76	16.22	<=30	Pass
	1754.3	1	0	22.75	-5.76	16.99	<=30	Pass
			2	22.90	-5.76	17.14	<=30	Pass
			5	22.74	-5.76	16.98	<=30	Pass
		3	0	22.90	-5.76	17.14	<=30	Pass
			2	22.87	-5.76	17.11	<=30	Pass
			3	22.88	-5.76	17.12	<=30	Pass
		6	0	21.89	-5.76	16.13	<=30	Pass
16QAM	1710.7	1	0	22.12	-5.76	16.36	<=30	Pass
			2	22.18	-5.76	16.42	<=30	Pass
			5	22.11	-5.76	16.35	<=30	Pass
		3	0	22.10	-5.76	16.34	<=30	Pass
			2	22.05	-5.76	16.29	<=30	Pass
			3	22.03	-5.76	16.27	<=30	Pass
		6	0	20.98	-5.76	15.22	<=30	Pass
	1732.5	1	0	21.92	-5.76	16.16	<=30	Pass
			2	22.01	-5.76	16.25	<=30	Pass
			5	21.94	-5.76	16.18	<=30	Pass
		3	0	22.02	-5.76	16.26	<=30	Pass
			2	21.99	-5.76	16.23	<=30	Pass
			3	22.00	-5.76	16.24	<=30	Pass
		6	0	20.92	-5.76	15.16	<=30	Pass
	1754.3	1	0	21.78	-5.76	16.02	<=30	Pass
			2	21.89	-5.76	16.13	<=30	Pass
			5	21.77	-5.76	16.01	<=30	Pass
		3	0	21.92	-5.76	16.16	<=30	Pass
			2	21.88	-5.76	16.12	<=30	Pass
			3	21.89	-5.76	16.13	<=30	Pass
		6	0	21.02	-5.76	15.26	<=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	23.10	-5.76	17.34	<=30	Pass
			7	23.05	-5.76	17.29	<=30	Pass
			14	22.62	-5.76	16.86	<=30	Pass
		8	0	21.84	-5.76	16.08	<=30	Pass
			4	21.89	-5.76	16.13	<=30	Pass
			7	21.82	-5.76	16.06	<=30	Pass
		15	0	21.83	-5.76	16.07	<=30	Pass
	1732.5	1	0	22.73	-5.76	16.97	<=30	Pass
			7	22.84	-5.76	17.08	<=30	Pass
			14	22.70	-5.76	16.94	<=30	Pass
		8	0	21.88	-5.76	16.12	<=30	Pass
			4	21.93	-5.76	16.17	<=30	Pass
			7	21.90	-5.76	16.14	<=30	Pass
		15	0	21.85	-5.76	16.09	<=30	Pass
	1753.5	1	0	22.63	-5.76	16.87	<=30	Pass
			7	22.71	-5.76	16.95	<=30	Pass
			14	22.59	-5.76	16.83	<=30	Pass
		8	0	21.83	-5.76	16.07	<=30	Pass
			4	21.91	-5.76	16.15	<=30	Pass
			7	21.85	-5.76	16.09	<=30	Pass
		15	0	21.84	-5.76	16.08	<=30	Pass
16QAM	1711.5	1	0	21.87	-5.76	16.11	<=30	Pass
			7	22.02	-5.76	16.26	<=30	Pass
			14	21.83	-5.76	16.07	<=30	Pass
		8	0	20.88	-5.76	15.12	<=30	Pass
			4	20.94	-5.76	15.18	<=30	Pass
			7	20.94	-5.76	15.18	<=30	Pass
		15	0	20.94	-5.76	15.18	<=30	Pass
	1732.5	1	0	21.72	-5.76	15.96	<=30	Pass
			7	21.79	-5.76	16.03	<=30	Pass
			14	21.63	-5.76	15.87	<=30	Pass
		8	0	20.99	-5.76	15.23	<=30	Pass
			4	21.07	-5.76	15.31	<=30	Pass
			7	21.08	-5.76	15.32	<=30	Pass
		15	0	20.87	-5.76	15.11	<=30	Pass
	1753.5	1	0	21.75	-5.76	15.99	<=30	Pass
			7	21.95	-5.76	16.19	<=30	Pass
			14	21.78	-5.76	16.02	<=30	Pass
		8	0	21.02	-5.76	15.26	<=30	Pass
			4	21.10	-5.76	15.34	<=30	Pass
			7	21.09	-5.76	15.33	<=30	Pass
		15	0	20.91	-5.76	15.15	<=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	22.84	-5.76	17.08	<=30	Pass
			13	23.03	-5.76	17.27	<=30	Pass
			24	22.86	-5.76	17.10	<=30	Pass
		12	0	21.87	-5.76	16.11	<=30	Pass
			6	21.99	-5.76	16.23	<=30	Pass
			13	22.00	-5.76	16.24	<=30	Pass

16QAM	1732.5	25	0	21.94	-5.76	16.18	<=30	Pass
		1	0	22.90	-5.76	17.14	<=30	Pass
			13	23.06	-5.76	17.30	<=30	Pass
			24	22.94	-5.76	17.18	<=30	Pass
		12	0	21.89	-5.76	16.13	<=30	Pass
			6	21.94	-5.76	16.18	<=30	Pass
			13	21.92	-5.76	16.16	<=30	Pass
		25	0	21.92	-5.76	16.16	<=30	Pass
	1752.5	1	0	22.90	-5.76	17.14	<=30	Pass
			13	22.99	-5.76	17.23	<=30	Pass
			24	22.88	-5.76	17.12	<=30	Pass
		12	0	21.84	-5.76	16.08	<=30	Pass
			6	21.99	-5.76	16.23	<=30	Pass
			13	21.96	-5.76	16.20	<=30	Pass
		25	0	21.95	-5.76	16.19	<=30	Pass
	1712.5	1	0	22.10	-5.76	16.34	<=30	Pass
			13	22.30	-5.76	16.54	<=30	Pass
			24	22.18	-5.76	16.42	<=30	Pass
		12	0	20.99	-5.76	15.23	<=30	Pass
			6	21.12	-5.76	15.36	<=30	Pass
			13	21.10	-5.76	15.34	<=30	Pass
		25	0	21.01	-5.76	15.25	<=30	Pass
	1732.5	1	0	22.14	-5.76	16.38	<=30	Pass
			13	22.25	-5.76	16.49	<=30	Pass
			24	22.18	-5.76	16.42	<=30	Pass
		12	0	20.86	-5.76	15.10	<=30	Pass
			6	20.92	-5.76	15.16	<=30	Pass
			13	20.89	-5.76	15.13	<=30	Pass
	1752.5	1	0	22.09	-5.76	16.33	<=30	Pass
			13	22.21	-5.76	16.45	<=30	Pass
			24	22.05	-5.76	16.29	<=30	Pass
		12	0	20.86	-5.76	15.10	<=30	Pass
			6	21.03	-5.76	15.27	<=30	Pass
			13	20.97	-5.76	15.21	<=30	Pass
		25	0	21.02	-5.76	15.26	<=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	22.91	-5.76	17.15	<=30	Pass
			25	23.04	-5.76	17.28	<=30	Pass
			49	22.99	-5.76	17.23	<=30	Pass
		25	0	21.82	-5.76	16.06	<=30	Pass
			13	22.01	-5.76	16.25	<=30	Pass
			25	22.01	-5.76	16.25	<=30	Pass
		50	0	21.99	-5.76	16.23	<=30	Pass
	1732.5	1	0	23.00	-5.76	17.24	<=30	Pass
			25	22.99	-5.76	17.23	<=30	Pass
			49	22.97	-5.76	17.21	<=30	Pass
		25	0	21.93	-5.76	16.17	<=30	Pass
			13	21.95	-5.76	16.19	<=30	Pass
			25	21.91	-5.76	16.15	<=30	Pass
	50	0		21.93	-5.76	16.17	<=30	Pass

16QAM	1750	1	0	22.92	-5.76	17.16	<=30	Pass
			25	22.95	-5.76	17.19	<=30	Pass
			49	22.89	-5.76	17.13	<=30	Pass
		25	0	21.89	-5.76	16.13	<=30	Pass
			13	22.00	-5.76	16.24	<=30	Pass
			25	21.93	-5.76	16.17	<=30	Pass
		50	0	21.95	-5.76	16.19	<=30	Pass
	1715	1	0	22.02	-5.76	16.26	<=30	Pass
			25	22.16	-5.76	16.40	<=30	Pass
			49	22.03	-5.76	16.27	<=30	Pass
		25	0	20.92	-5.76	15.16	<=30	Pass
			13	21.14	-5.76	15.38	<=30	Pass
			25	21.14	-5.76	15.38	<=30	Pass
		50	0	21.05	-5.76	15.29	<=30	Pass
	1732.5	1	0	22.12	-5.76	16.36	<=30	Pass
			25	22.14	-5.76	16.38	<=30	Pass
			49	22.16	-5.76	16.40	<=30	Pass
		25	0	20.99	-5.76	15.23	<=30	Pass
			13	21.04	-5.76	15.28	<=30	Pass
			25	21.00	-5.76	15.24	<=30	Pass
		50	0	20.96	-5.76	15.20	<=30	Pass
	1750	1	0	22.24	-5.76	16.48	<=30	Pass
			25	22.26	-5.76	16.50	<=30	Pass
			49	22.11	-5.76	16.35	<=30	Pass
		25	0	21.00	-5.76	15.24	<=30	Pass
			13	21.09	-5.76	15.33	<=30	Pass
			25	21.07	-5.76	15.31	<=30	Pass
		50	0	20.94	-5.76	15.18	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.89	-5.76	17.13	<=30	Pass
			38	23.02	-5.76	17.26	<=30	Pass
			74	22.98	-5.76	17.22	<=30	Pass
		36	0	21.80	-5.76	16.04	<=30	Pass
			18	21.97	-5.76	16.21	<=30	Pass
			39	22.02	-5.76	16.26	<=30	Pass
		75	0	21.96	-5.76	16.20	<=30	Pass
	1732.5	1	0	22.89	-5.76	17.13	<=30	Pass
			38	22.99	-5.76	17.23	<=30	Pass
			74	22.92	-5.76	17.16	<=30	Pass
		36	0	22.07	-5.76	16.31	<=30	Pass
			18	22.07	-5.76	16.31	<=30	Pass
			39	22.03	-5.76	16.27	<=30	Pass
		75	0	22.05	-5.76	16.29	<=30	Pass
	1747.5	1	0	22.88	-5.76	17.12	<=30	Pass
			38	22.99	-5.76	17.23	<=30	Pass
			74	22.82	-5.76	17.06	<=30	Pass
		36	0	21.88	-5.76	16.12	<=30	Pass
			18	21.99	-5.76	16.23	<=30	Pass
			39	21.97	-5.76	16.21	<=30	Pass
		75	0	21.97	-5.76	16.21	<=30	Pass
16QAM	1717.5	1	0	22.01	-5.76	16.25	<=30	Pass

			38	22.10	-5.76	16.34	<=30	Pass
			74	21.95	-5.76	16.19	<=30	Pass
		36	0	20.90	-5.76	15.14	<=30	Pass
			18	21.03	-5.76	15.27	<=30	Pass
			39	21.00	-5.76	15.24	<=30	Pass
		75	0	20.99	-5.76	15.23	<=30	Pass
	1732.5	1	0	22.08	-5.76	16.32	<=30	Pass
			38	22.15	-5.76	16.39	<=30	Pass
			74	22.08	-5.76	16.32	<=30	Pass
		36	0	20.99	-5.76	15.23	<=30	Pass
			18	21.03	-5.76	15.27	<=30	Pass
			39	20.98	-5.76	15.22	<=30	Pass
	75	0	20.99	-5.76	15.23	<=30	Pass	
	1747.5	1	0	22.42	-5.76	16.66	<=30	Pass
			38	22.57	-5.76	16.81	<=30	Pass
			74	22.35	-5.76	16.59	<=30	Pass
		36	0	20.90	-5.76	15.14	<=30	Pass
			18	20.98	-5.76	15.22	<=30	Pass
			39	20.99	-5.76	15.23	<=30	Pass
	75	0	20.94	-5.76	15.18	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

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	23.17	-5.76	17.41	<=30	Pass		
			50	22.96	-5.76	17.20	<=30	Pass		
			99	22.93	-5.76	17.17	<=30	Pass		
		50	0	21.81	-5.76	16.05	<=30	Pass		
			25	22.03	-5.76	16.27	<=30	Pass		
			50	21.95	-5.76	16.19	<=30	Pass		
		100	0	21.88	-5.76	16.12	<=30	Pass		
		1732.5	1	0	23.37	-5.76	17.61	<=30	Pass	
				50	23.05	-5.76	17.29	<=30	Pass	
	99			22.97	-5.76	17.21	<=30	Pass		
	50		0	21.93	-5.76	16.17	<=30	Pass		
			25	22.01	-5.76	16.25	<=30	Pass		
			50	21.98	-5.76	16.22	<=30	Pass		
	100		0	21.97	-5.76	16.21	<=30	Pass		
	1745		1	0	23.35	-5.76	17.59	<=30	Pass	
				50	23.10	-5.76	17.34	<=30	Pass	
		99		22.83	-5.76	17.07	<=30	Pass		
		50	0	21.99	-5.76	16.23	<=30	Pass		
			25	22.06	-5.76	16.30	<=30	Pass		
			50	22.09	-5.76	16.33	<=30	Pass		
		100	0	22.03	-5.76	16.27	<=30	Pass		
		16QAM	1720	1	0	22.73	-5.76	16.97	<=30	Pass
					50	22.45	-5.76	16.69	<=30	Pass
	99				22.21	-5.76	16.45	<=30	Pass	
50	0			20.89	-5.76	15.13	<=30	Pass		
	25			21.06	-5.76	15.30	<=30	Pass		
	50			21.01	-5.76	15.25	<=30	Pass		
100	0			20.89	-5.76	15.13	<=30	Pass		
1732.5	1			0	22.49	-5.76	16.73	<=30	Pass	
				50	22.23	-5.76	16.47	<=30	Pass	

		50	99	22.17	-5.76	16.41	<=30	Pass
			0	20.98	-5.76	15.22	<=30	Pass
			25	21.06	-5.76	15.30	<=30	Pass
			50	21.02	-5.76	15.26	<=30	Pass
	1745	100	0	21.01	-5.76	15.25	<=30	Pass
			0	22.48	-5.76	16.72	<=30	Pass
			50	22.36	-5.76	16.60	<=30	Pass
		50	99	22.05	-5.76	16.29	<=30	Pass
			0	21.03	-5.76	15.27	<=30	Pass
			25	21.12	-5.76	15.36	<=30	Pass
		100	50	21.19	-5.76	15.43	<=30	Pass
			0	21.11	-5.76	15.35	<=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	-6.509	-0.0038	-2.5 to 2.5	Pass
					3.85	-12.274	-0.0072	-2.5 to 2.5	Pass
					4.43	11.401	0.0067	-2.5 to 2.5	Pass
				-30	3.85	7.281	0.0043	-2.5 to 2.5	Pass
				-20	3.85	2.475	0.0014	-2.5 to 2.5	Pass
				-10	3.85	15.965	0.0093	-2.5 to 2.5	Pass
				0	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-9.184	-0.0054	-2.5 to 2.5	Pass
				30	3.85	4.449	0.0026	-2.5 to 2.5	Pass
				40	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				50	3.85	0.601	0.0004	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-5.922	-0.0034	-2.5 to 2.5	Pass
					3.85	9.470	0.0055	-2.5 to 2.5	Pass
					4.43	-17.009	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	4.592	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-8.883	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	8.054	0.0046	-2.5 to 2.5	Pass
				0	3.85	-7.195	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-13.404	-0.0077	-2.5 to 2.5	Pass
				30	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-13.375	-0.0076	-2.5 to 2.5	Pass
					3.85	3.390	0.0019	-2.5 to 2.5	Pass
					4.43	11.373	0.0065	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	8.812	0.0050	-2.5 to 2.5	Pass
				-10	3.85	-5.622	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-16.179	-0.0092	-2.5 to 2.5	Pass
				10	3.85	11.344	0.0065	-2.5 to 2.5	Pass
				30	3.85	4.220	0.0024	-2.5 to 2.5	Pass
				40	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-6.208	-0.0035	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	3.891	0.0023	-2.5 to 2.5	Pass
					3.85	5.665	0.0033	-2.5 to 2.5	Pass
					4.43	1.502	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-5.422	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				-10	3.85	9.441	0.0055	-2.5 to 2.5	Pass
				0	3.85	-12.317	-0.0072	-2.5 to 2.5	Pass
				10	3.85	-6.781	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-6.809	-0.0040	-2.5 to 2.5	Pass
				40	3.85	8.225	0.0048	-2.5 to 2.5	Pass
				50	3.85	6.938	0.0041	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-5.136	-0.0030	-2.5 to 2.5	Pass
					3.85	-12.131	-0.0070	-2.5 to 2.5	Pass
					4.43	9.642	0.0056	-2.5 to 2.5	Pass
				-30	3.85	7.467	0.0043	-2.5 to 2.5	Pass
				-20	3.85	12.159	0.0070	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-3.819	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-7.939	-0.0046	-2.5 to 2.5	Pass
				30	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.317	0.0013	-2.5 to 2.5	Pass
				50	3.85	0.286	0.0002	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-8.726	-0.0050	-2.5 to 2.5	Pass
					3.85	-9.441	-0.0054	-2.5 to 2.5	Pass
					4.43	9.527	0.0054	-2.5 to 2.5	Pass
				-30	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-11.287	-0.0064	-2.5 to 2.5	Pass
				-10	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-7.968	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-7.024	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				40	3.85	5.779	0.0033	-2.5 to 2.5	Pass
				50	3.85	4.334	0.0025	-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	-6.852	-0.0040	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.462	0.0020	-2.5 to 2.5	Pass
				-10	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-13.804	-0.0081	-2.5 to 2.5	Pass
				10	3.85	6.108	0.0036	-2.5 to 2.5	Pass
				30	3.85	-0.229	-0.0001	-2.5 to 2.5	Pass
				40	3.85	3.376	0.0020	-2.5 to 2.5	Pass
				50	3.85	-8.254	-0.0048	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-10.686	-0.0062	-2.5 to 2.5	Pass
					3.85	-13.905	-0.0080	-2.5 to 2.5	Pass
					4.43	2.604	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-12.274	-0.0071	-2.5 to 2.5	Pass
				-10	3.85	-7.825	-0.0045	-2.5 to 2.5	Pass
				0	3.85	6.266	0.0036	-2.5 to 2.5	Pass

				10	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				30	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				40	3.85	3.805	0.0022	-2.5 to 2.5	Pass
				50	3.85	5.507	0.0032	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-9.384	-0.0054	-2.5 to 2.5	Pass
					3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
					4.43	-13.504	-0.0077	-2.5 to 2.5	Pass
				-30	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				0	3.85	-7.381	-0.0042	-2.5 to 2.5	Pass
				10	3.85	12.603	0.0072	-2.5 to 2.5	Pass
				30	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				40	3.85	10.600	0.0060	-2.5 to 2.5	Pass
				50	3.85	-6.208	-0.0035	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-1.588	-0.0009	-2.5 to 2.5	Pass
					3.85	4.148	0.0024	-2.5 to 2.5	Pass
					4.43	7.439	0.0043	-2.5 to 2.5	Pass
				-30	3.85	-5.908	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				40	3.85	4.778	0.0028	-2.5 to 2.5	Pass
				50	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	2.990	0.0017	-2.5 to 2.5	Pass
					3.85	3.376	0.0019	-2.5 to 2.5	Pass
					4.43	-9.055	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	-9.112	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				0	3.85	4.749	0.0027	-2.5 to 2.5	Pass
				10	3.85	-11.573	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-17.381	-0.0100	-2.5 to 2.5	Pass
				40	3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
				50	3.85	5.693	0.0033	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-17.195	-0.0098	-2.5 to 2.5	Pass
					3.85	-1.502	-0.0009	-2.5 to 2.5	Pass
					4.43	-4.463	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-3.762	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.695	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	6.523	0.0037	-2.5 to 2.5	Pass
				0	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				30	3.85	6.638	0.0038	-2.5 to 2.5	Pass
				40	3.85	-13.418	-0.0077	-2.5 to 2.5	Pass
				50	3.85	8.526	0.0049	-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	8.283	0.0048	-2.5 to 2.5	Pass
					3.85	3.419	0.0020	-2.5 to 2.5	Pass
					4.43	7.424	0.0043	-2.5 to 2.5	Pass

				-30	3.85	1.616	0.0009	-2.5 to 2.5	Pass	
				-20	3.85	4.206	0.0025	-2.5 to 2.5	Pass	
				-10	3.85	0.558	0.0003	-2.5 to 2.5	Pass	
				0	3.85	7.639	0.0045	-2.5 to 2.5	Pass	
				10	3.85	0.443	0.0003	-2.5 to 2.5	Pass	
				30	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass	
				40	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass	
				50	3.85	-8.025	-0.0047	-2.5 to 2.5	Pass	
	1732.5	25	0	20	3.27	-9.413	-0.0054	-2.5 to 2.5	Pass	
					3.85	-1.059	-0.0006	-2.5 to 2.5	Pass	
					4.43	0.157	0.0001	-2.5 to 2.5	Pass	
				-30	3.85	0.715	0.0004	-2.5 to 2.5	Pass	
				-20	3.85	8.411	0.0049	-2.5 to 2.5	Pass	
				-10	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass	
				0	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass	
				10	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass	
	30	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass				
	40	3.85	2.060	0.0012	-2.5 to 2.5	Pass				
	50	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass				
	1752.5	25	0	20	3.27	-2.260	-0.0013	-2.5 to 2.5	Pass	
					3.85	-3.247	-0.0019	-2.5 to 2.5	Pass	
					4.43	-3.791	-0.0022	-2.5 to 2.5	Pass	
				-30	3.85	-1.802	-0.0010	-2.5 to 2.5	Pass	
				-20	3.85	2.460	0.0014	-2.5 to 2.5	Pass	
				-10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass	
				0	3.85	0.057	0.0000	-2.5 to 2.5	Pass	
				10	3.85	3.119	0.0018	-2.5 to 2.5	Pass	
	30	3.85	1.202	0.0007	-2.5 to 2.5	Pass				
	40	3.85	13.132	0.0075	-2.5 to 2.5	Pass				
	50	3.85	-9.499	-0.0054	-2.5 to 2.5	Pass				
	16QAM	1712.5	25	0	20	3.27	5.379	0.0031	-2.5 to 2.5	Pass
						3.85	1.087	0.0006	-2.5 to 2.5	Pass
4.43						-6.123	-0.0036	-2.5 to 2.5	Pass	
-30					3.85	4.735	0.0028	-2.5 to 2.5	Pass	
-20					3.85	-7.768	-0.0045	-2.5 to 2.5	Pass	
-10					3.85	0.443	0.0003	-2.5 to 2.5	Pass	
0					3.85	2.317	0.0014	-2.5 to 2.5	Pass	
10					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass	
30		3.85	1.073	0.0006	-2.5 to 2.5	Pass				
40		3.85	-6.680	-0.0039	-2.5 to 2.5	Pass				
50		3.85	-7.038	-0.0041	-2.5 to 2.5	Pass				
1732.5		25	0	20	3.27	-0.772	-0.0004	-2.5 to 2.5	Pass	
					3.85	-0.186	-0.0001	-2.5 to 2.5	Pass	
					4.43	-13.590	-0.0078	-2.5 to 2.5	Pass	
				-30	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass	
				-20	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass	
				-10	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass	
				0	3.85	-0.787	-0.0005	-2.5 to 2.5	Pass	
				10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass	
30		3.85	3.548	0.0020	-2.5 to 2.5	Pass				
40		3.85	-1.445	-0.0008	-2.5 to 2.5	Pass				
50		3.85	-4.821	-0.0028	-2.5 to 2.5	Pass				
1752.5		25	0	20	3.27	2.189	0.0012	-2.5 to 2.5	Pass	
					3.85	2.232	0.0013	-2.5 to 2.5	Pass	
					4.43	-1.974	-0.0011	-2.5 to 2.5	Pass	
				-30	3.85	3.104	0.0018	-2.5 to 2.5	Pass	
				-20	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass	
				-10	3.85	1.502	0.0009	-2.5 to 2.5	Pass	
	0			3.85	-1.316	-0.0008	-2.5 to 2.5	Pass		

				10	3.85	4.721	0.0027	-2.5 to 2.5	Pass
				30	3.85	0.687	0.0004	-2.5 to 2.5	Pass
				40	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				50	3.85	6.523	0.0037	-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	0.916	0.0005	-2.5 to 2.5	Pass
					3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.815	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	2.804	0.0016	-2.5 to 2.5	Pass
				-20	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				-10	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				10	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				50	3.85	3.819	0.0022	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	0.501	0.0003	-2.5 to 2.5	Pass
					3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
					4.43	3.791	0.0022	-2.5 to 2.5	Pass
				-30	3.85	4.106	0.0024	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				0	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				10	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				40	3.85	0.000	0.0000	-2.5 to 2.5	Pass
				50	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	1.144	0.0007	-2.5 to 2.5	Pass
					3.85	0.243	0.0001	-2.5 to 2.5	Pass
					4.43	0.501	0.0003	-2.5 to 2.5	Pass
				-30	3.85	5.622	0.0032	-2.5 to 2.5	Pass
				-20	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				0	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				40	3.85	2.432	0.0014	-2.5 to 2.5	Pass
				50	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-5.436	-0.0032	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
					4.43	-0.358	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-4.206	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				0	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				30	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				40	3.85	2.332	0.0014	-2.5 to 2.5	Pass
				50	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-2.289	-0.0013	-2.5 to 2.5	Pass
					3.85	1.659	0.0010	-2.5 to 2.5	Pass
					4.43	-0.629	-0.0004	-2.5 to 2.5	Pass

				-30	3.85	3.176	0.0018	-2.5 to 2.5	Pass
				-20	3.85	3.691	0.0021	-2.5 to 2.5	Pass
				-10	3.85	5.794	0.0033	-2.5 to 2.5	Pass
				0	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				30	3.85	4.778	0.0028	-2.5 to 2.5	Pass
				40	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				50	3.85	4.463	0.0026	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-3.619	-0.0021	-2.5 to 2.5	Pass
					3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
					4.43	3.376	0.0019	-2.5 to 2.5	Pass
				-30	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.787	0.0004	-2.5 to 2.5	Pass
				-10	3.85	3.633	0.0021	-2.5 to 2.5	Pass
				0	3.85	-6.280	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				30	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.473	0.0008	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0023	-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	-2.890	-0.0017	-2.5 to 2.5	Pass
					3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
					4.43	-2.875	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	5.507	0.0032	-2.5 to 2.5	Pass
				0	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				40	3.85	4.878	0.0028	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	1.044	0.0006	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
					4.43	0.386	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				10	3.85	2.718	0.0016	-2.5 to 2.5	Pass
				30	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-1.788	-0.0010	-2.5 to 2.5	Pass
					3.85	3.848	0.0022	-2.5 to 2.5	Pass
					4.43	0.844	0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				-10	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				10	3.85	1.259	0.0007	-2.5 to 2.5	Pass
				30	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				40	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass

16QAM	1717.5	75	0	50	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				20	3.27	-0.515	-0.0003	-2.5 to 2.5	Pass
					3.85	2.232	0.0013	-2.5 to 2.5	Pass
					4.43	-0.114	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				30	3.85	4.721	0.0027	-2.5 to 2.5	Pass
	1732.5	75	0	40	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				20	3.27	2.189	0.0013	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
					4.43	-2.990	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				0	3.85	-8.383	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
	1747.5	75	0	30	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				20	3.27	0.944	0.0005	-2.5 to 2.5	Pass
					3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-7.553	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				30	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-5.178	-0.0030	-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	-0.257	-0.0001	-2.5 to 2.5	Pass
					3.85	3.662	0.0021	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				-10	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.358	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.974	0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	3.85	2.618	0.0015	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.031	-0.0012	-2.5 to 2.5	Pass
					3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.059	0.0006	-2.5 to 2.5	Pass

				0	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				30	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				40	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	0.029	0.0000	-2.5 to 2.5	Pass
					3.85	1.287	0.0007	-2.5 to 2.5	Pass
					4.43	1.860	0.0011	-2.5 to 2.5	Pass
				-30	3.85	3.133	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-7.782	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	2.260	0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-0.372	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.731	-0.0010	-2.5 to 2.5	Pass
					4.43	4.334	0.0025	-2.5 to 2.5	Pass
				-30	3.85	3.233	0.0019	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-10	3.85	4.764	0.0028	-2.5 to 2.5	Pass
				0	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				40	3.85	3.762	0.0022	-2.5 to 2.5	Pass
				50	3.85	3.304	0.0019	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-0.772	-0.0004	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.960	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	3.347	0.0019	-2.5 to 2.5	Pass
				-10	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				0	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				10	3.85	4.177	0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				50	3.85	2.332	0.0013	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	1.674	0.0010	-2.5 to 2.5	Pass
					3.85	1.359	0.0008	-2.5 to 2.5	Pass
					4.43	5.479	0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				0	3.85	2.689	0.0015	-2.5 to 2.5	Pass
				10	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				40	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				50	3.85	4.034	0.0023	-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 / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

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

3.1.5 B4_15MHz

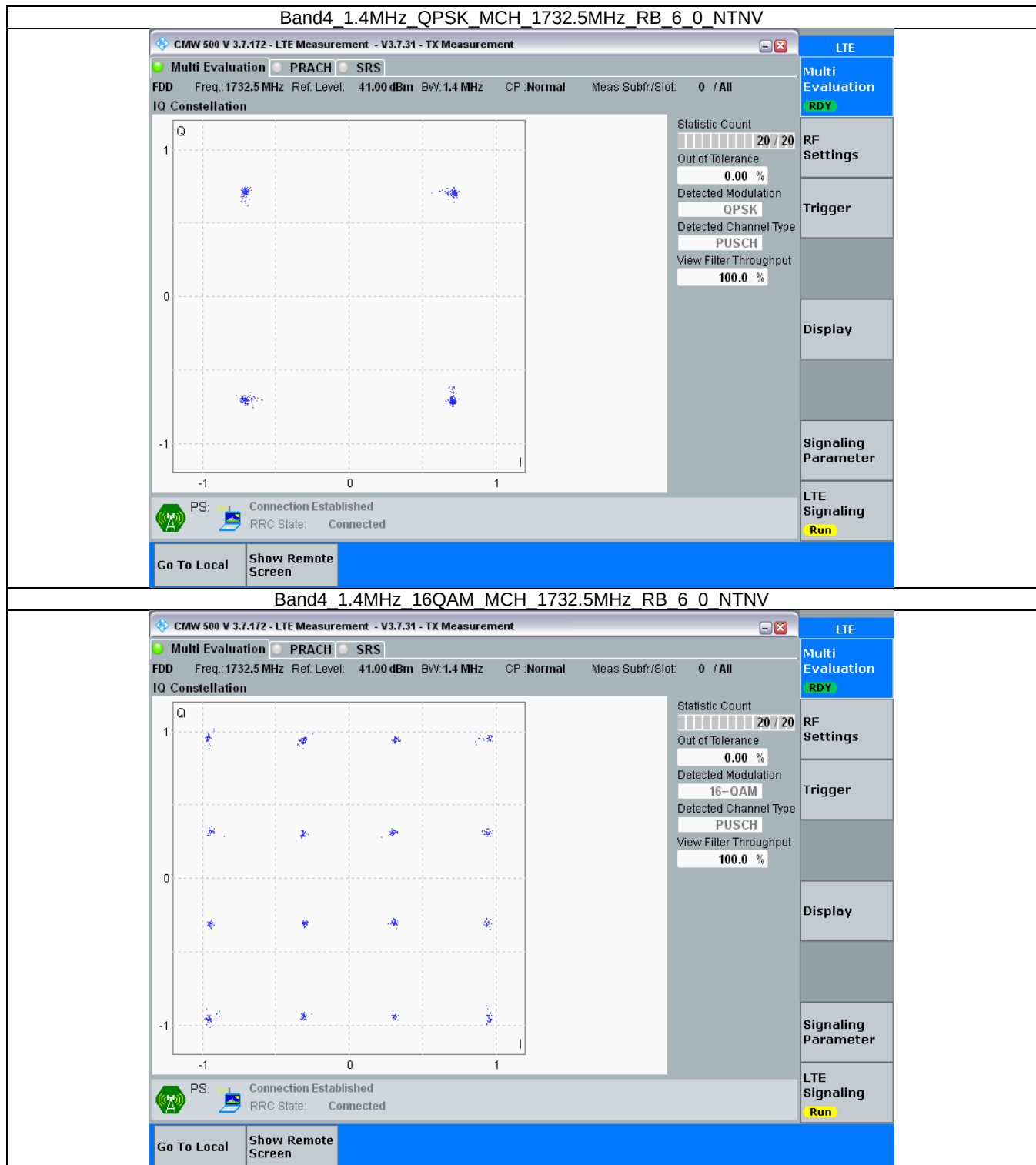
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

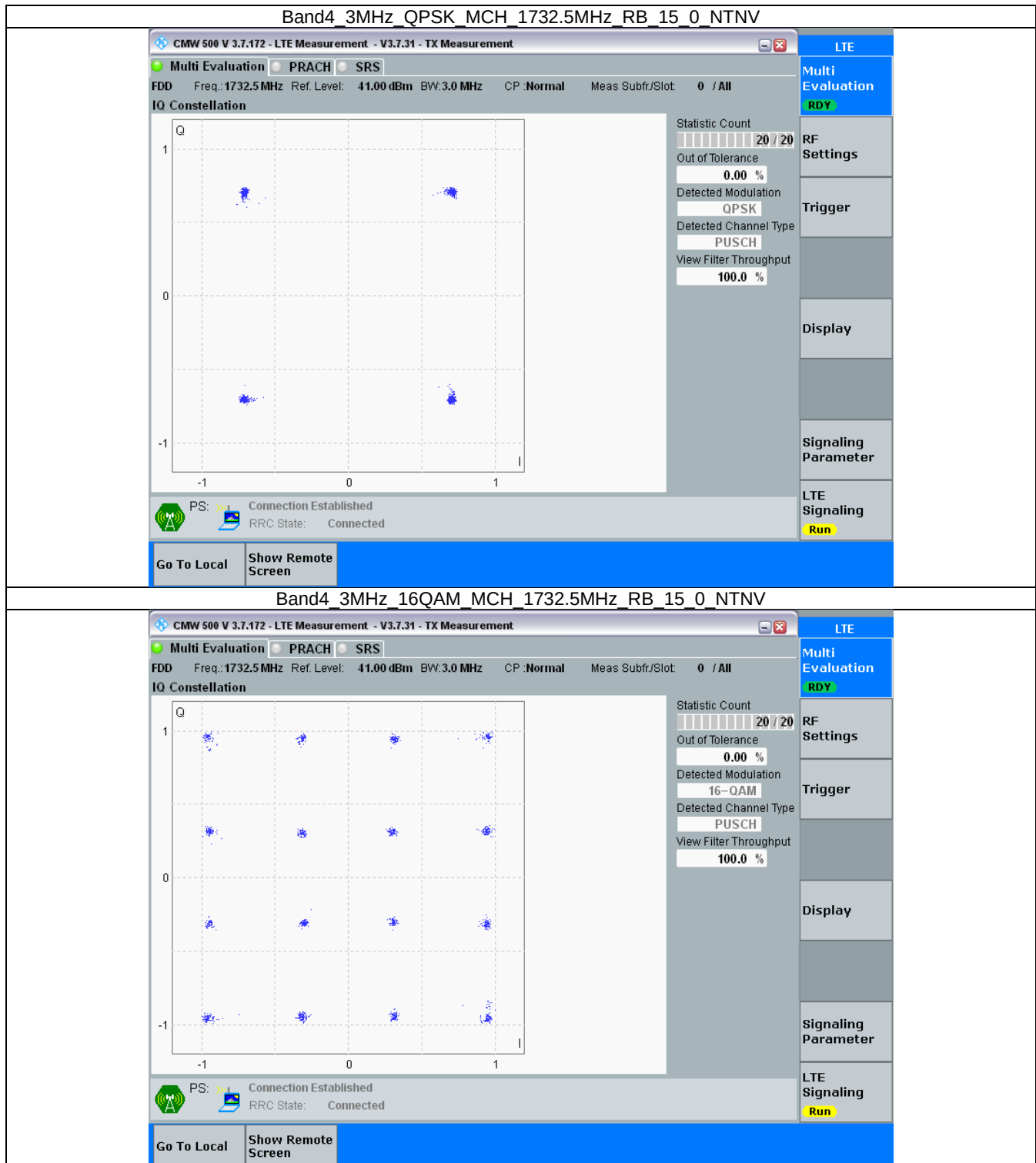
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

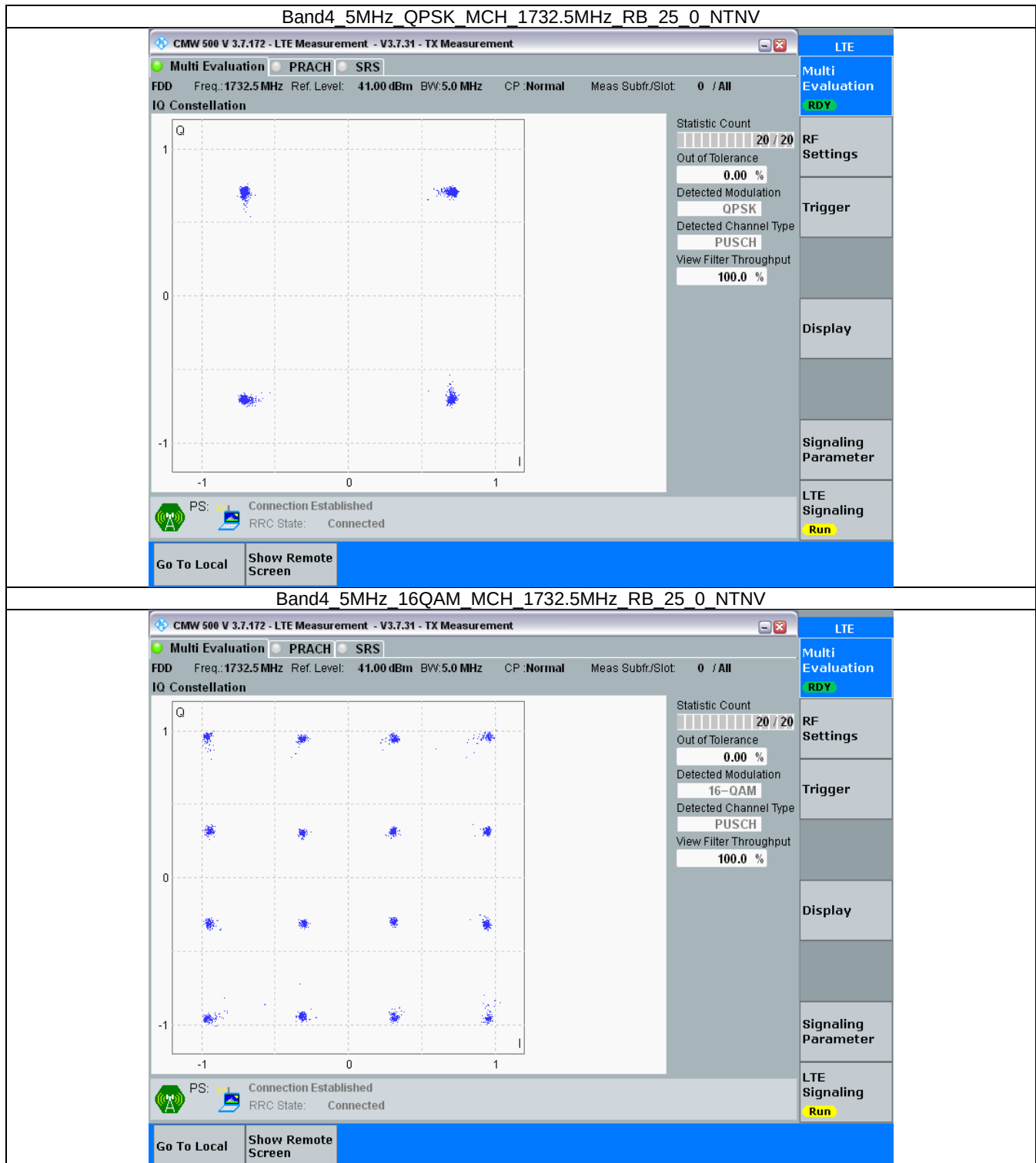
3.2.1 B4_1.4MHz



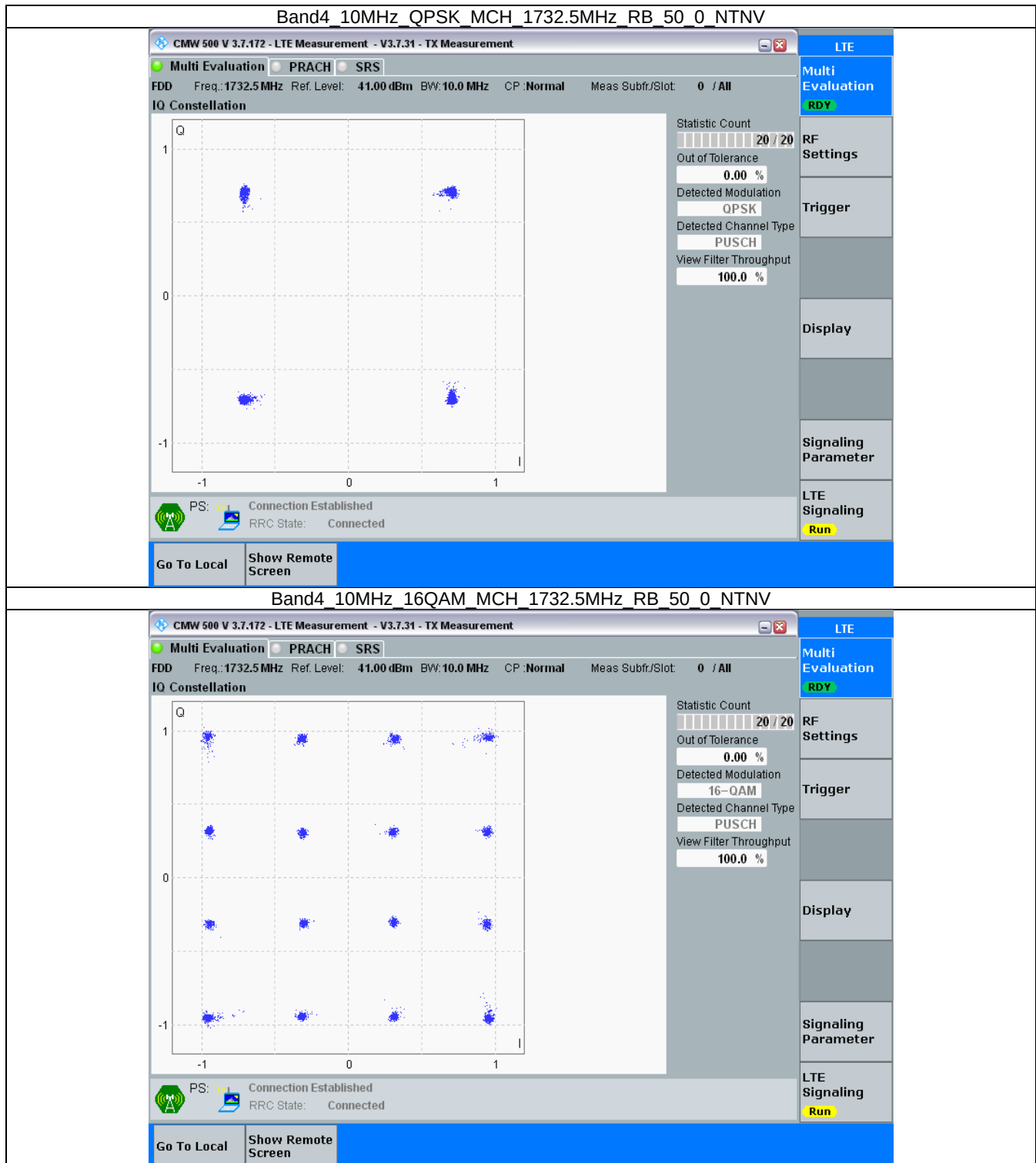
3.2.2 B4_3MHz



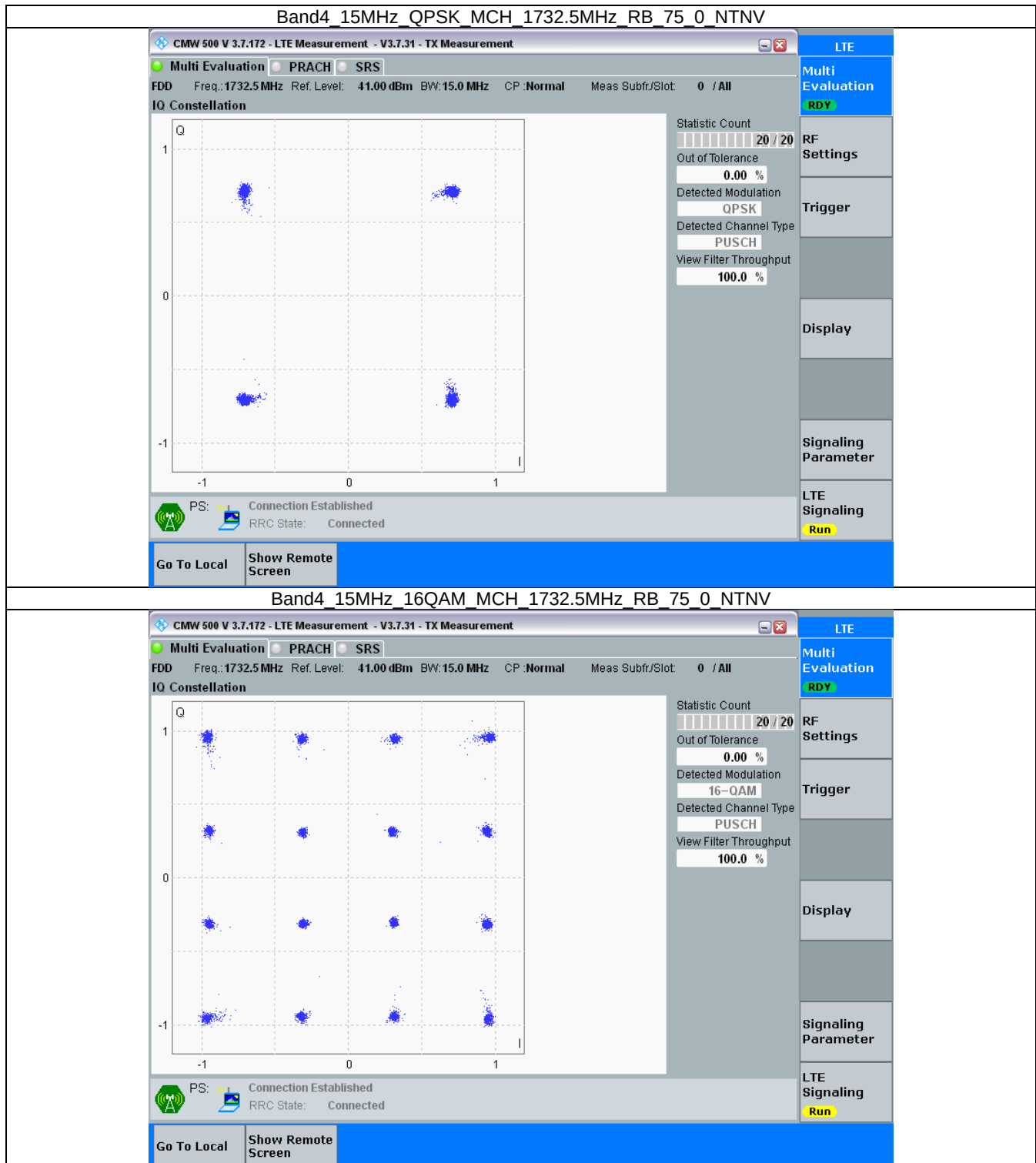
3.2.3 B4_5MHz



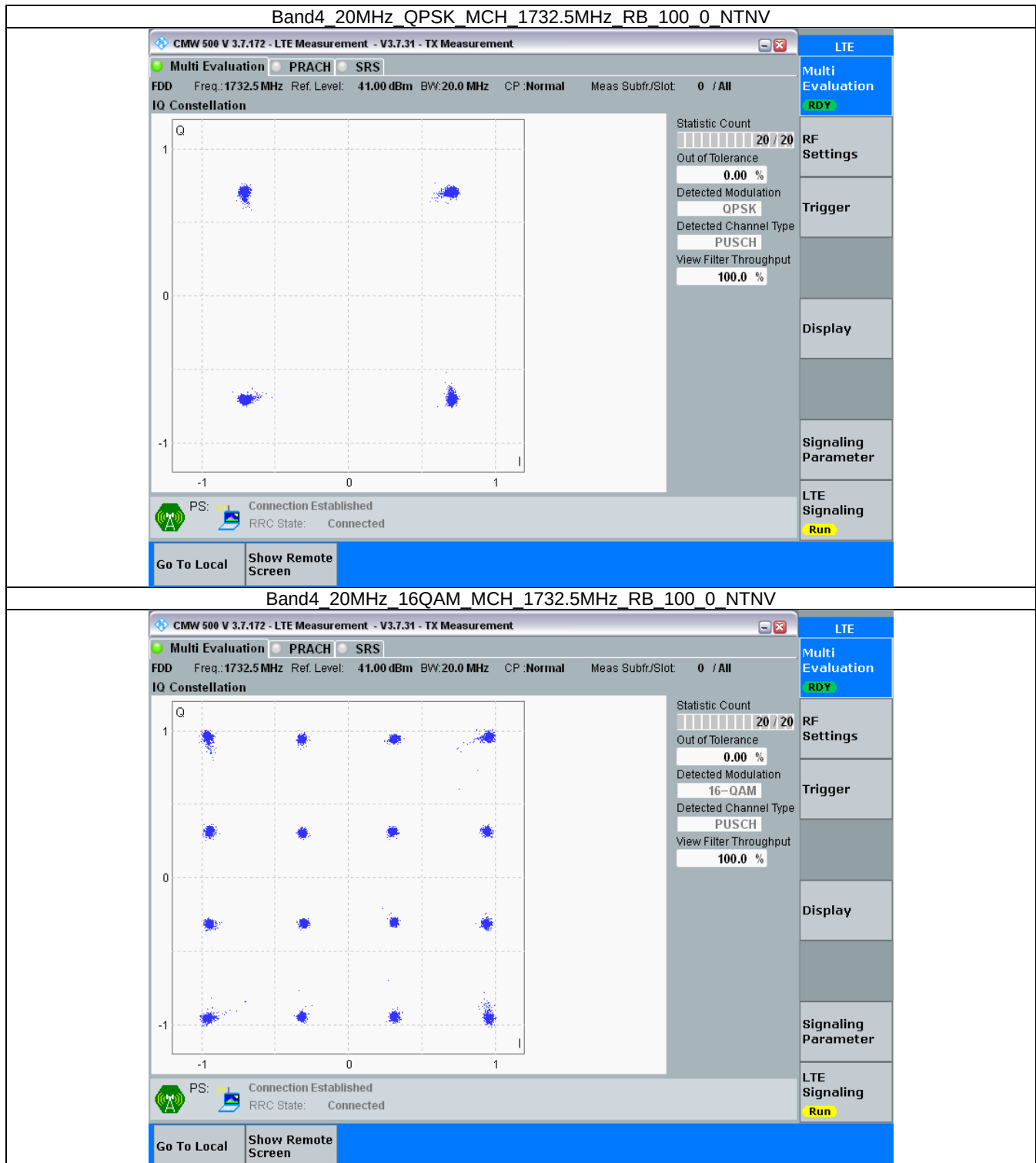
3.2.4 B4_10MHz



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 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.106	/	Pass
		1732.5	6	0	1.124	/	Pass
		1754.3	6	0	1.119	/	Pass
	16QAM	1710.7	6	0	1.115	/	Pass
		1732.5	6	0	1.116	/	Pass
		1754.3	6	0	1.111	/	Pass
3	QPSK	1711.5	15	0	2.735	/	Pass
		1732.5	15	0	2.729	/	Pass
		1753.5	15	0	2.724	/	Pass
	16QAM	1711.5	15	0	2.746	/	Pass
		1732.5	15	0	2.728	/	Pass
		1753.5	15	0	2.728	/	Pass
5	QPSK	1712.5	25	0	4.544	/	Pass
		1732.5	25	0	4.548	/	Pass
		1752.5	25	0	4.554	/	Pass
	16QAM	1712.5	25	0	4.572	/	Pass
		1732.5	25	0	4.575	/	Pass
		1752.5	25	0	4.533	/	Pass
10	QPSK	1715	50	0	9.029	/	Pass
		1732.5	50	0	9.054	/	Pass
		1750	50	0	9.068	/	Pass
	16QAM	1715	50	0	9.040	/	Pass
		1732.5	50	0	9.077	/	Pass
		1750	50	0	9.036	/	Pass
15	QPSK	1717.5	75	0	13.584	/	Pass
		1732.5	75	0	13.618	/	Pass
		1747.5	75	0	13.584	/	Pass
	16QAM	1717.5	75	0	13.534	/	Pass
		1732.5	75	0	13.607	/	Pass
		1747.5	75	0	13.599	/	Pass
20	QPSK	1720	100	0	18.018	/	Pass
		1732.5	100	0	18.134	/	Pass
		1745	100	0	18.136	/	Pass
	16QAM	1720	100	0	18.043	/	Pass
		1732.5	100	0	18.096	/	Pass
		1745	100	0	18.200	/	Pass

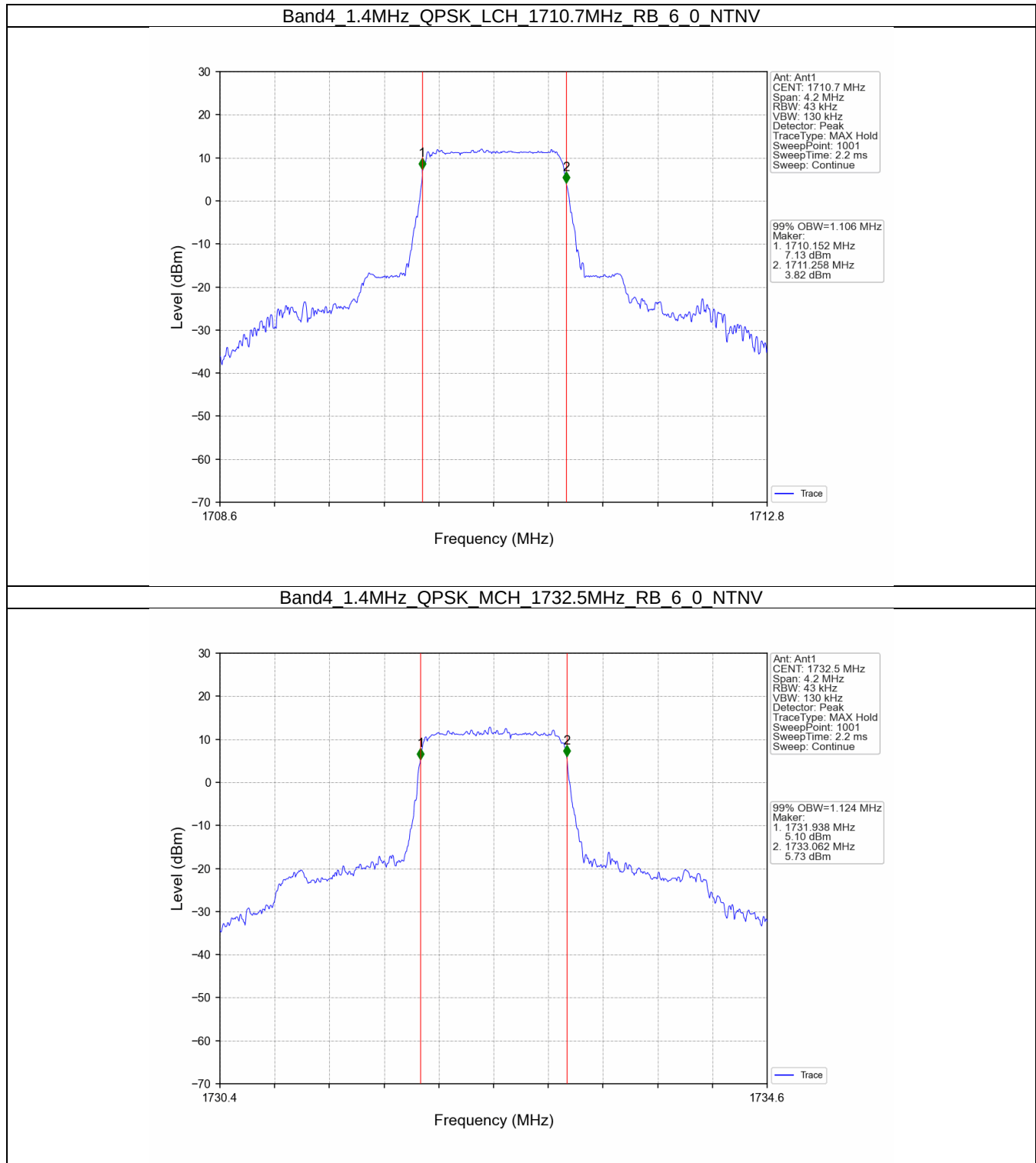
4.1.2 Band4_XDB

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	1.307	/	Pass
		1732.5	6	0	1.305	/	Pass
		1754.3	6	0	1.301	/	Pass

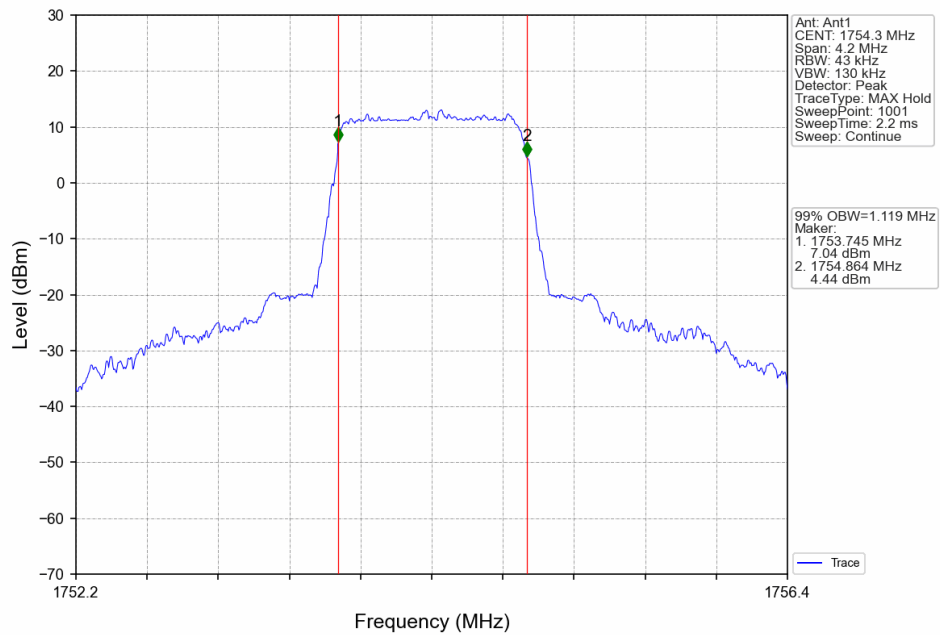
	16QAM	1710.7	6	0	1.325	/	Pass
		1732.5	6	0	1.329	/	Pass
		1754.3	6	0	1.304	/	Pass
3	QPSK	1711.5	15	0	3.047	/	Pass
		1732.5	15	0	3.038	/	Pass
		1753.5	15	0	3.056	/	Pass
	16QAM	1711.5	15	0	3.046	/	Pass
		1732.5	15	0	3.050	/	Pass
		1753.5	15	0	3.046	/	Pass
5	QPSK	1712.5	25	0	4.999	/	Pass
		1732.5	25	0	4.989	/	Pass
		1752.5	25	0	4.990	/	Pass
	16QAM	1712.5	25	0	5.022	/	Pass
		1732.5	25	0	5.007	/	Pass
		1752.5	25	0	4.999	/	Pass
10	QPSK	1715	50	0	9.908	/	Pass
		1732.5	50	0	9.946	/	Pass
		1750	50	0	9.895	/	Pass
	16QAM	1715	50	0	9.811	/	Pass
		1732.5	50	0	9.897	/	Pass
		1750	50	0	9.931	/	Pass
15	QPSK	1717.5	75	0	14.928	/	Pass
		1732.5	75	0	14.874	/	Pass
		1747.5	75	0	14.797	/	Pass
	16QAM	1717.5	75	0	14.826	/	Pass
		1732.5	75	0	14.885	/	Pass
		1747.5	75	0	14.891	/	Pass
20	QPSK	1720	100	0	19.649	/	Pass
		1732.5	100	0	19.657	/	Pass
		1745	100	0	19.689	/	Pass
	16QAM	1720	100	0	19.649	/	Pass
		1732.5	100	0	19.606	/	Pass
		1745	100	0	19.652	/	Pass

4.2 Test Graph

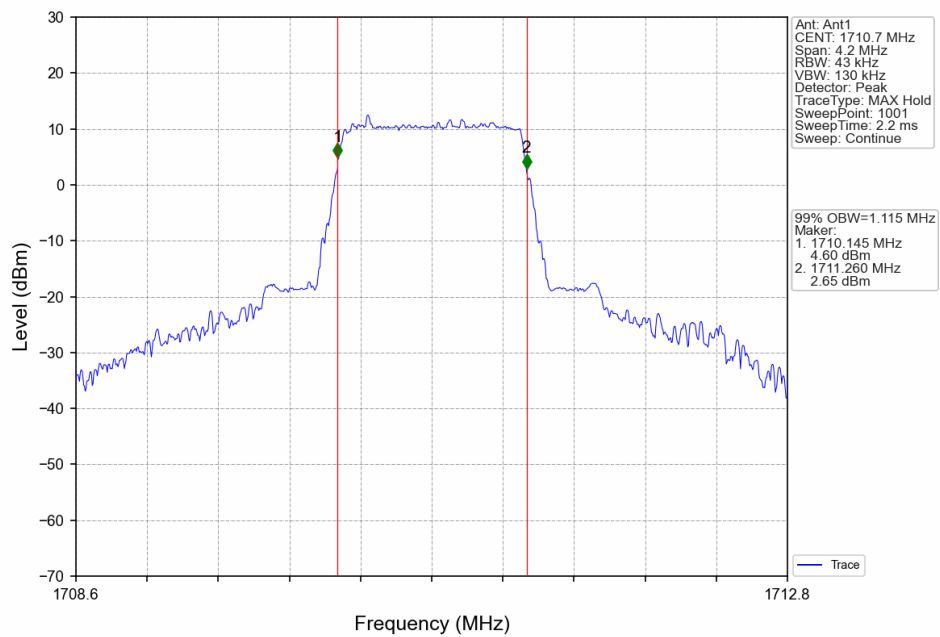
4.2.1 Band4_OBW



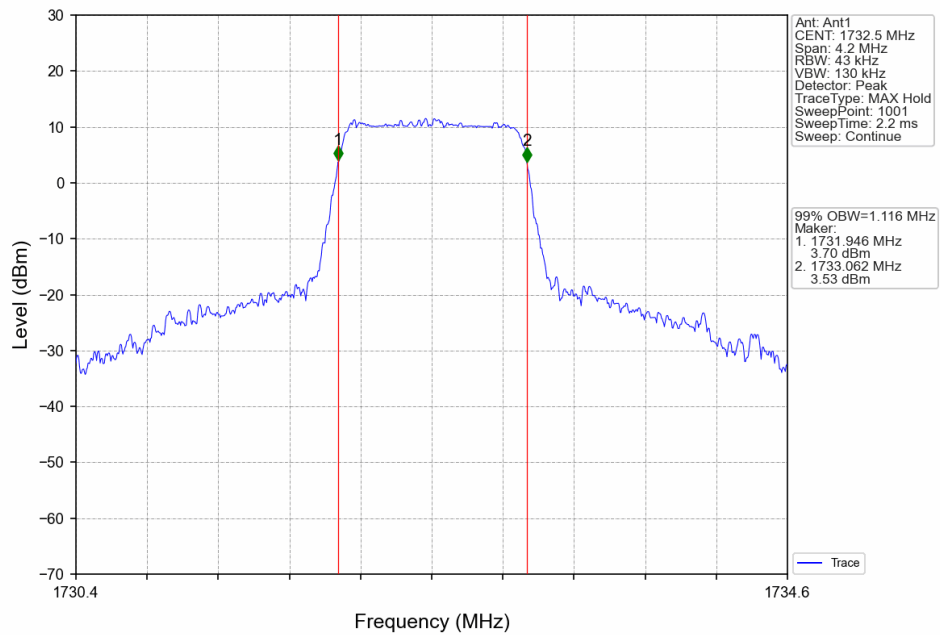
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



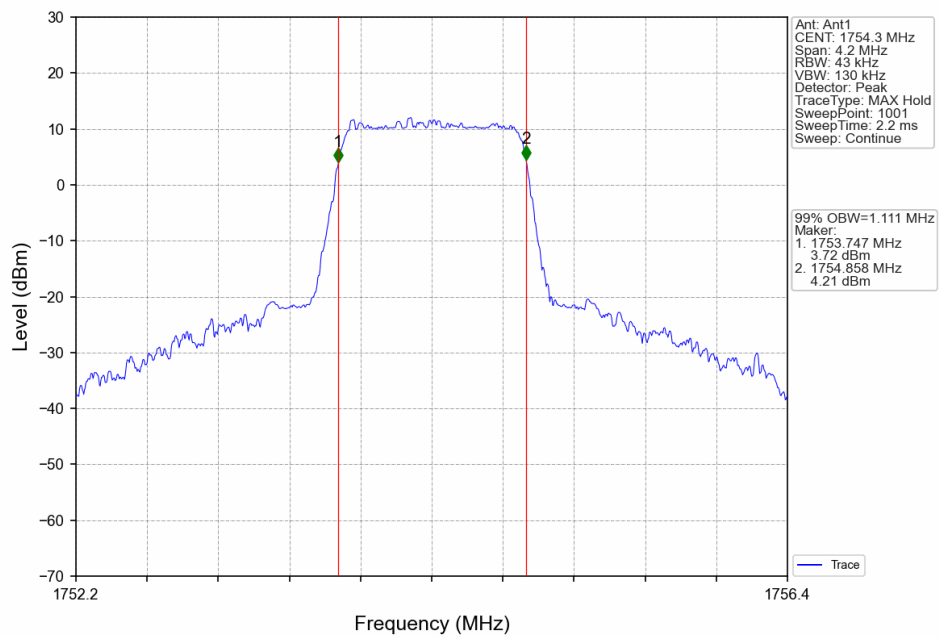
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



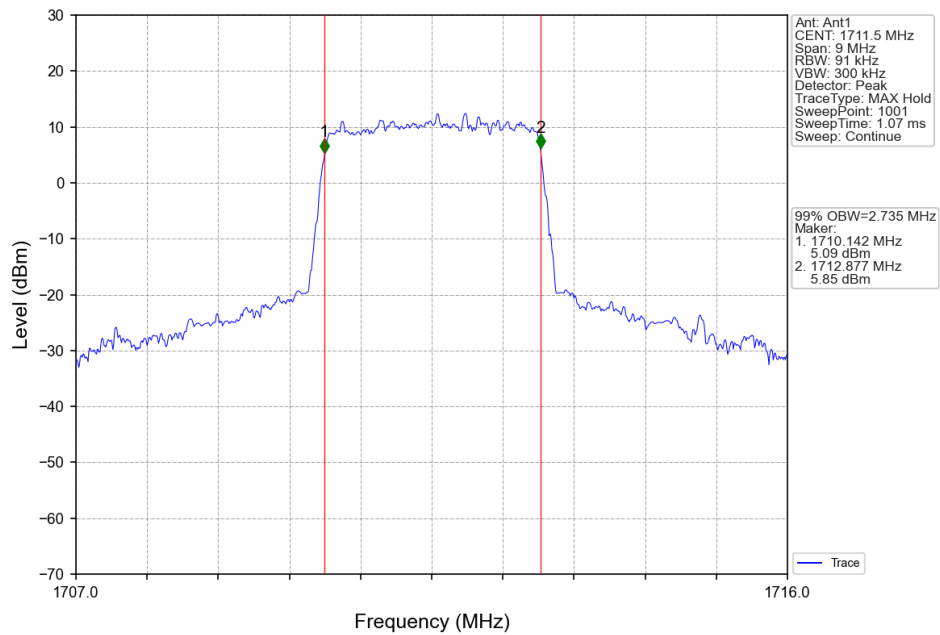
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



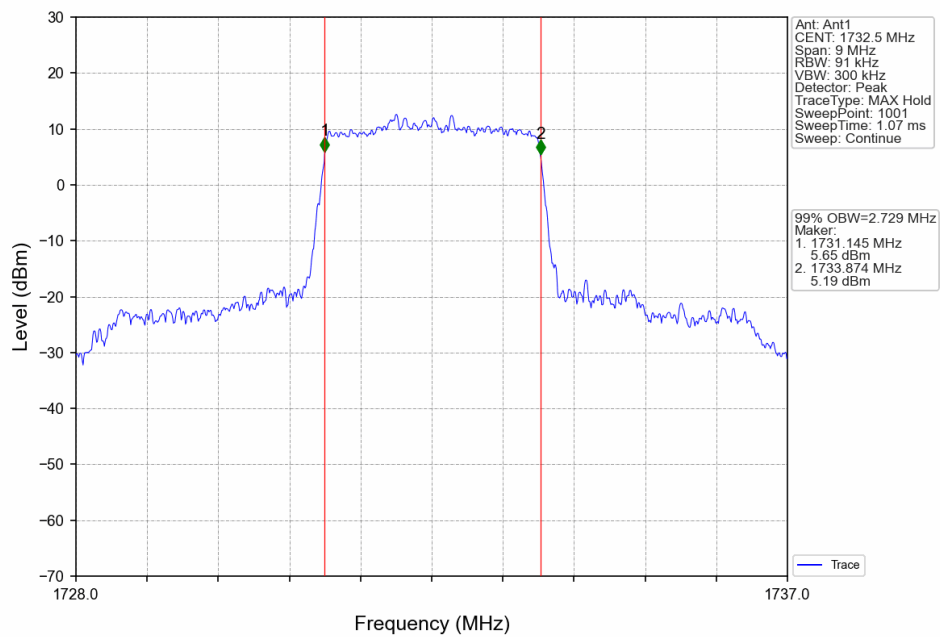
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



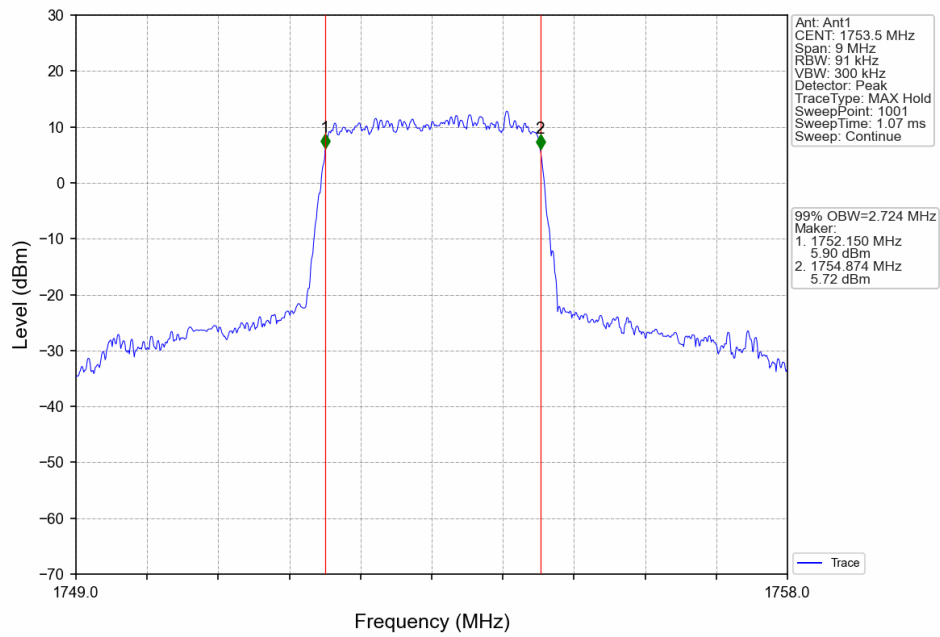
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



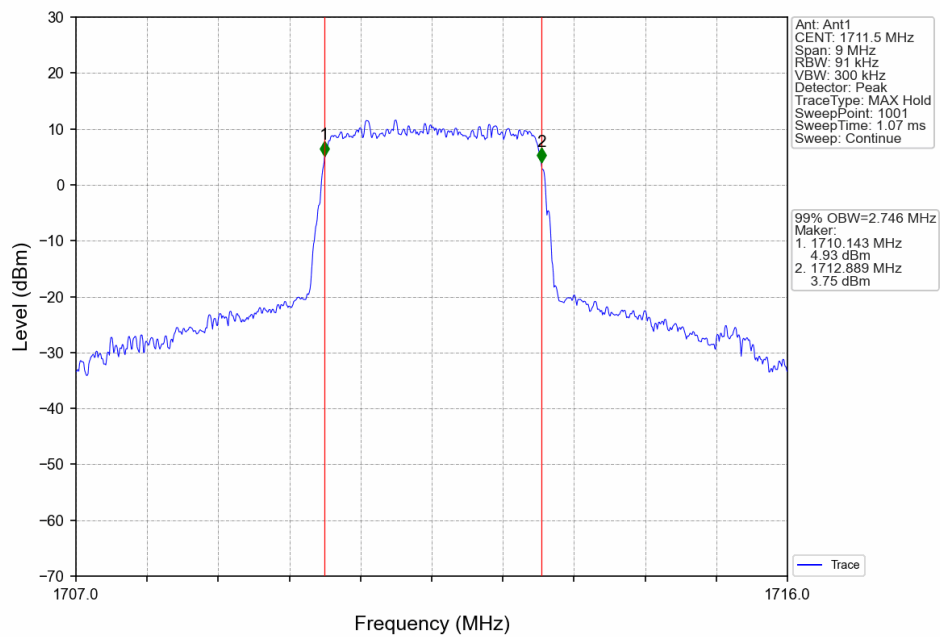
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



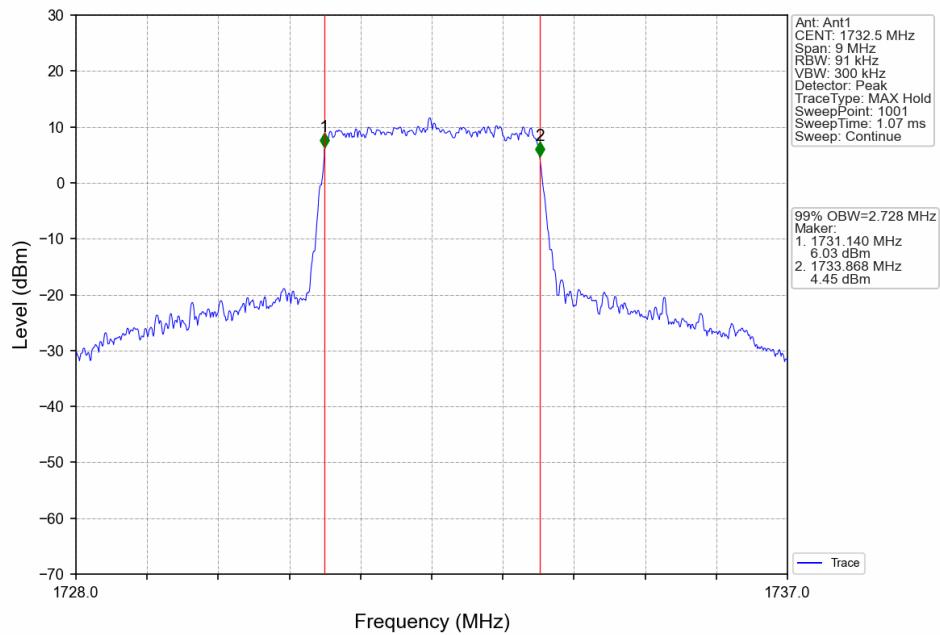
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



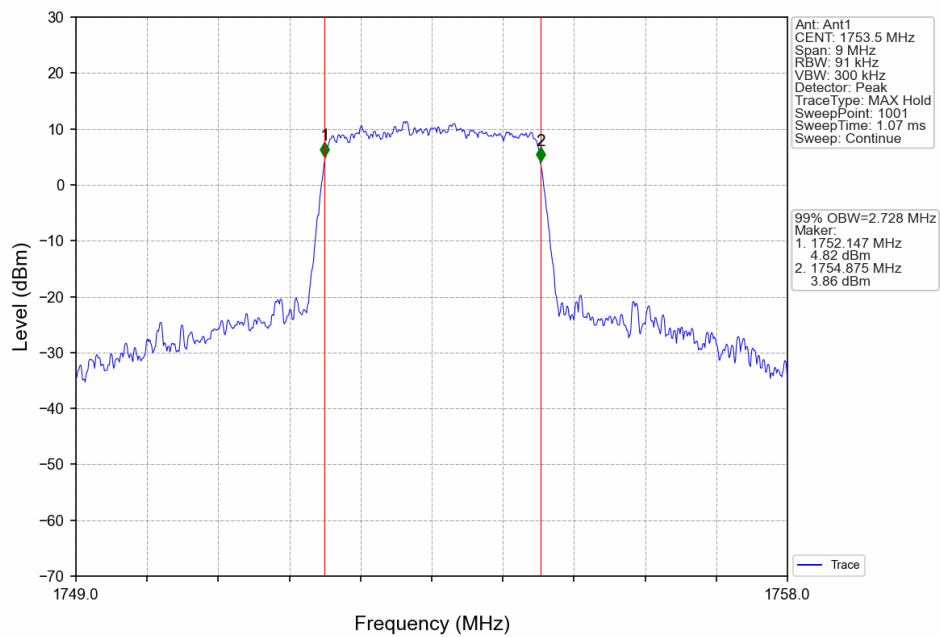
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



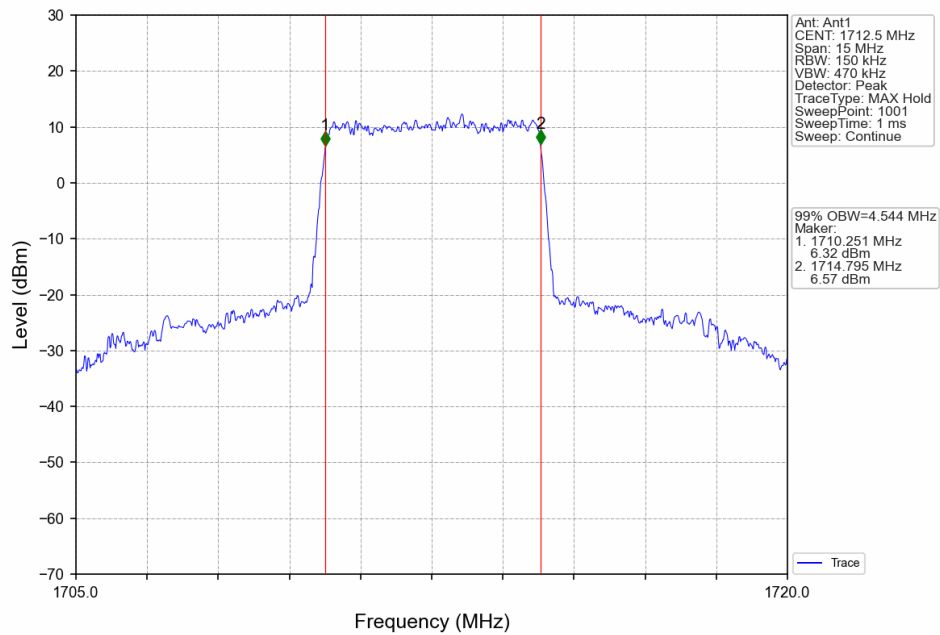
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



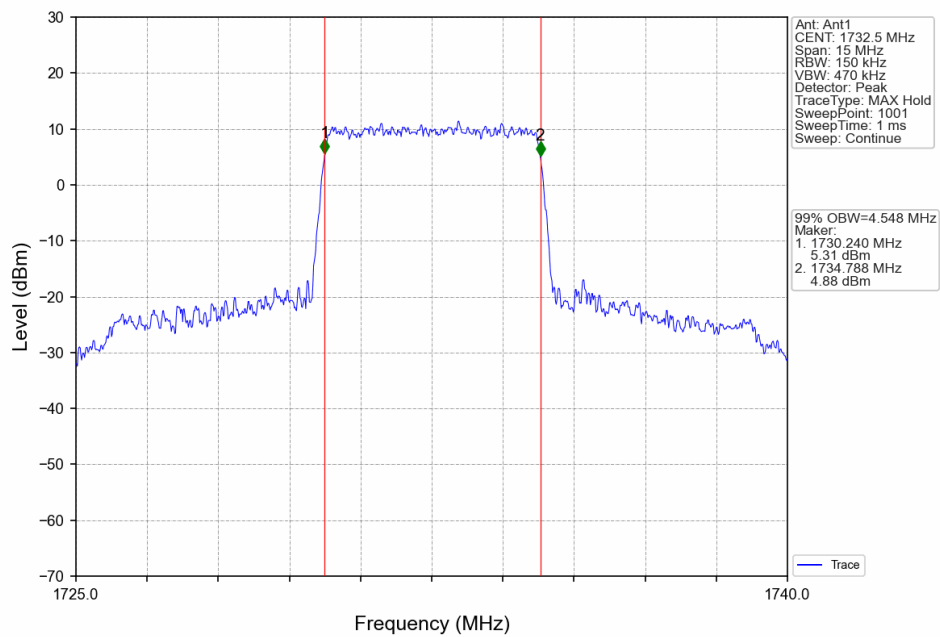
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



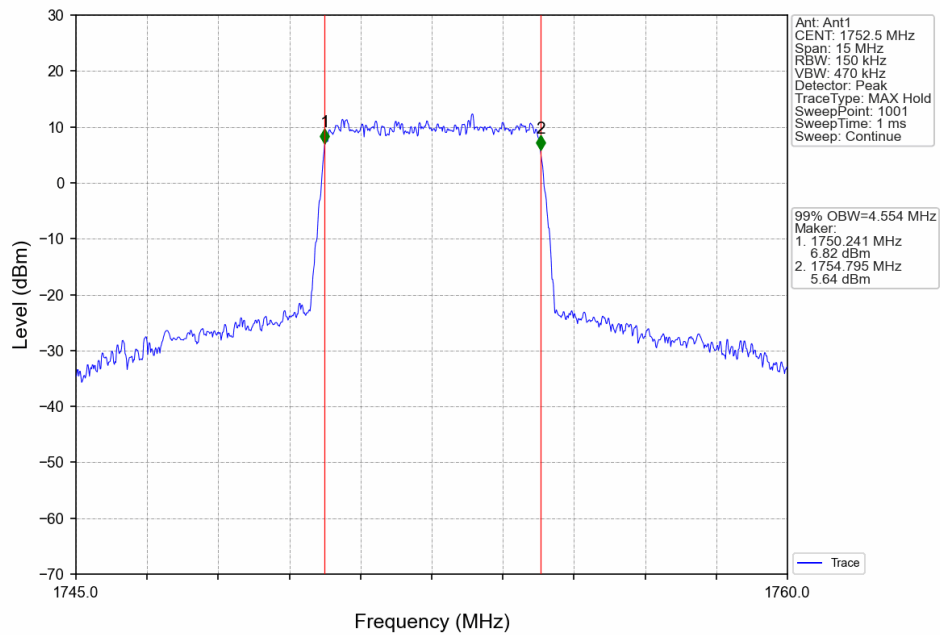
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



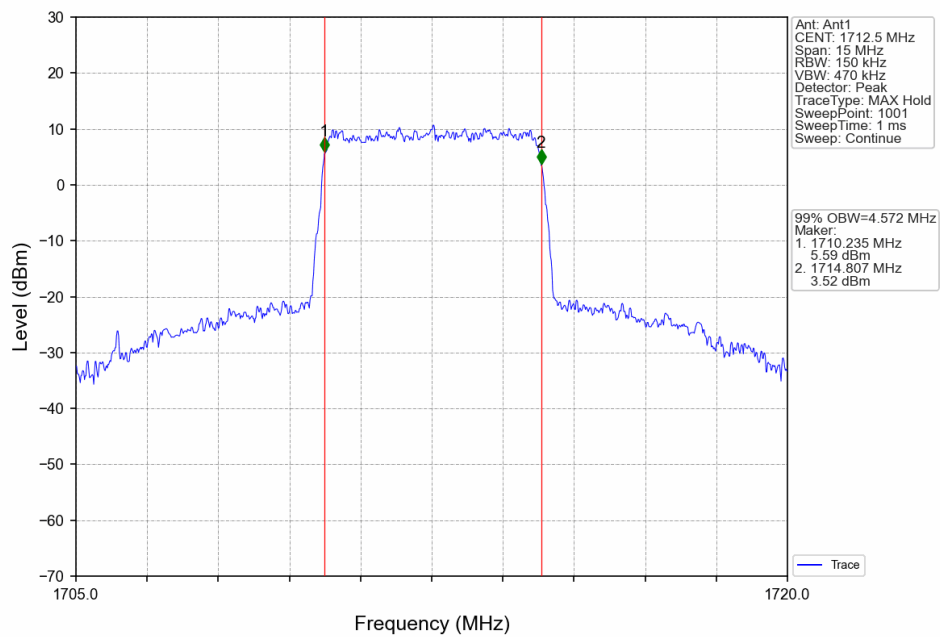
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



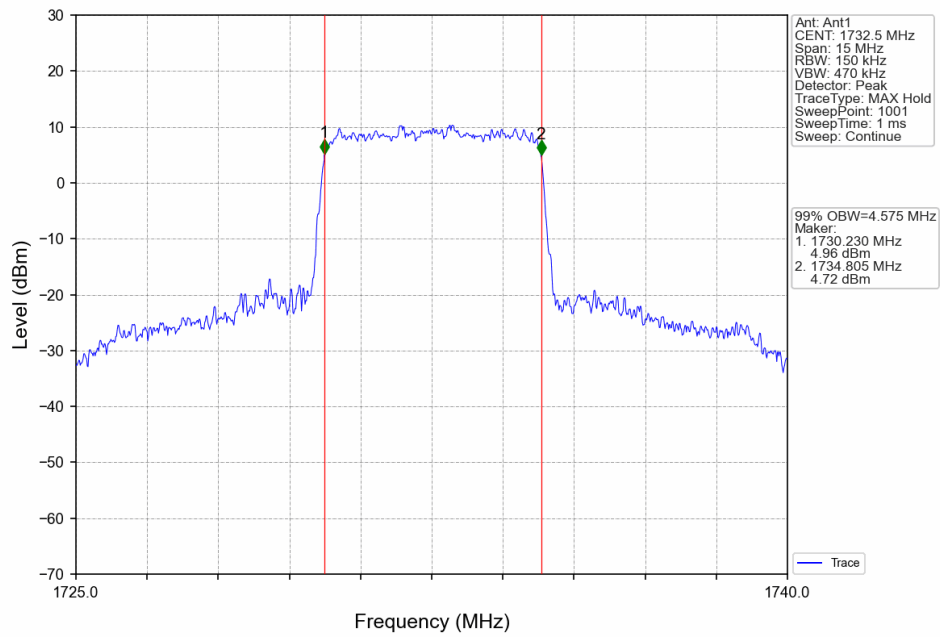
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



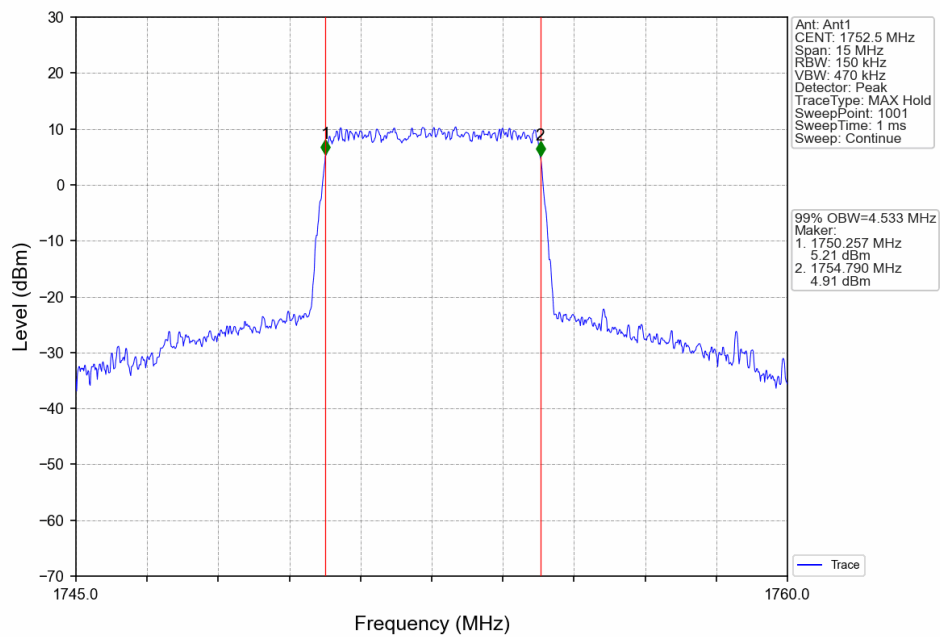
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



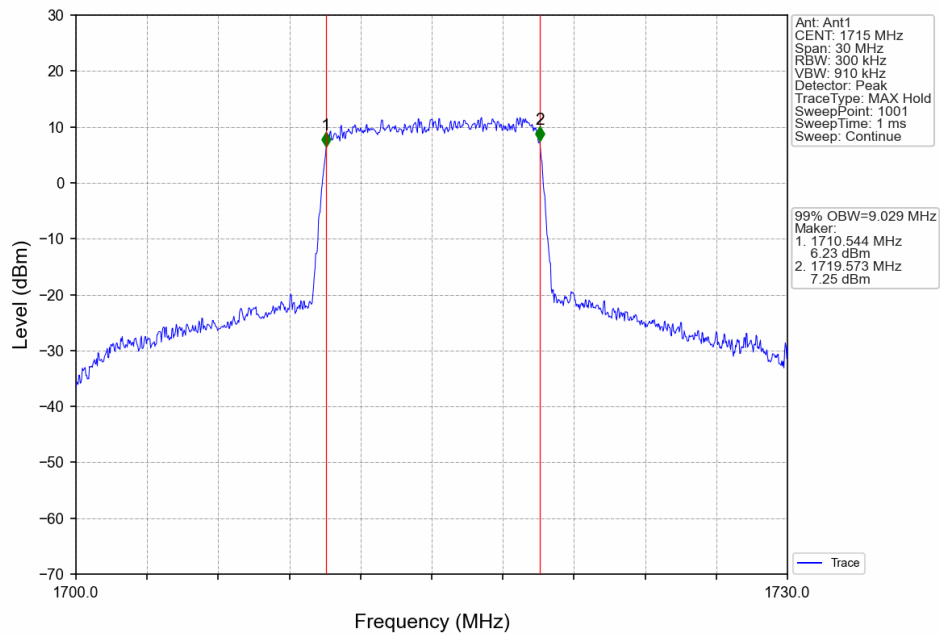
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



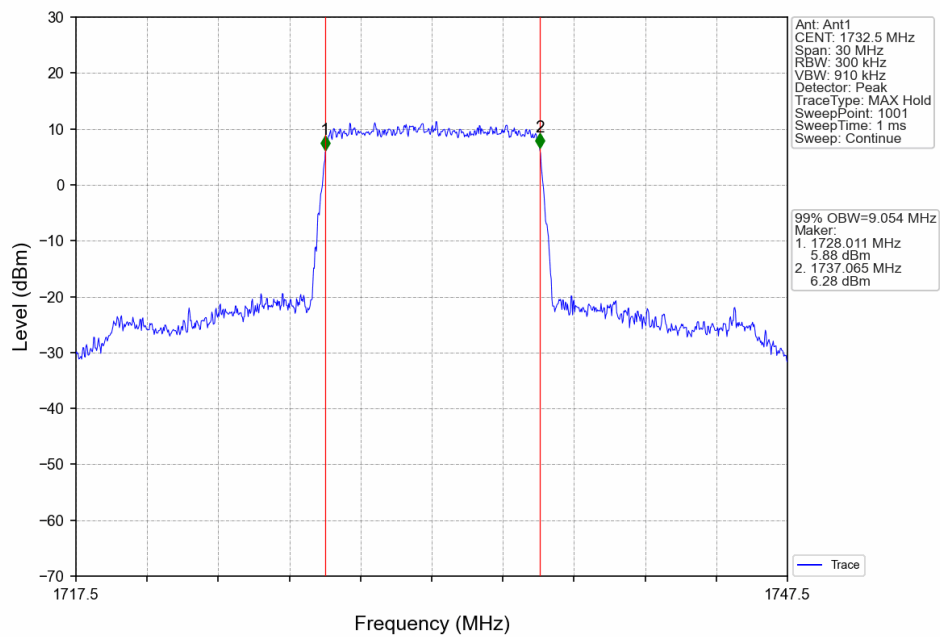
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



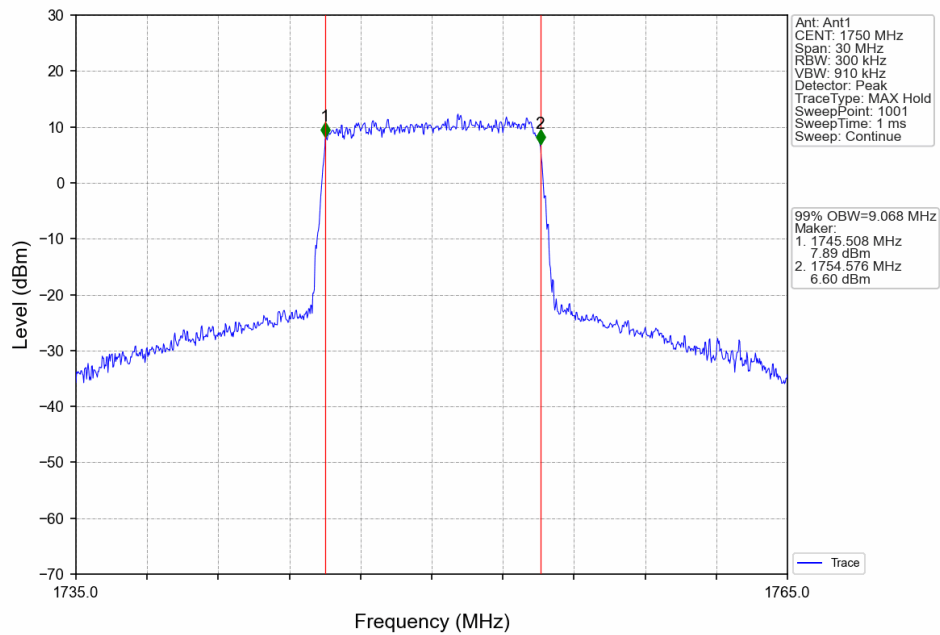
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



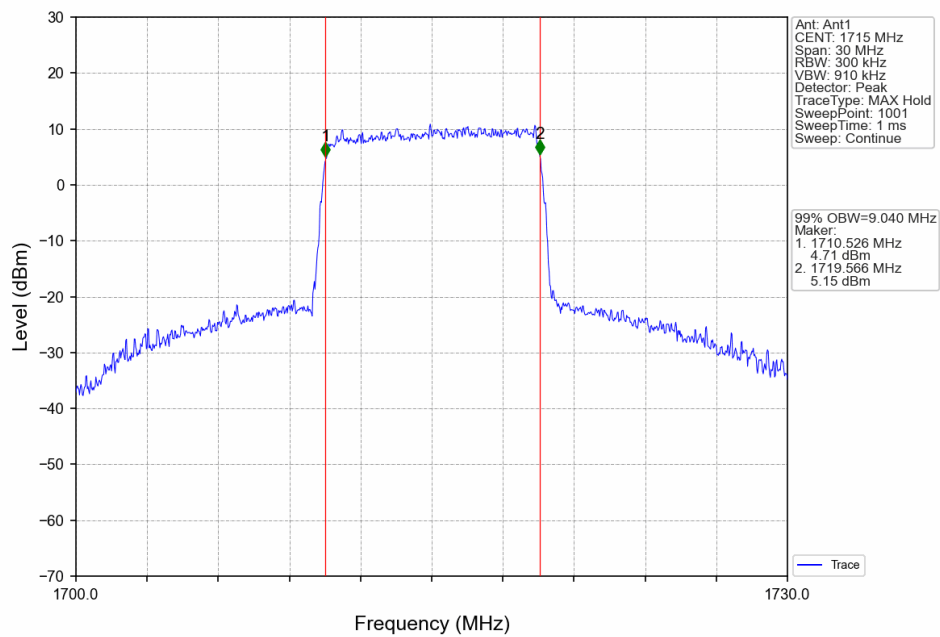
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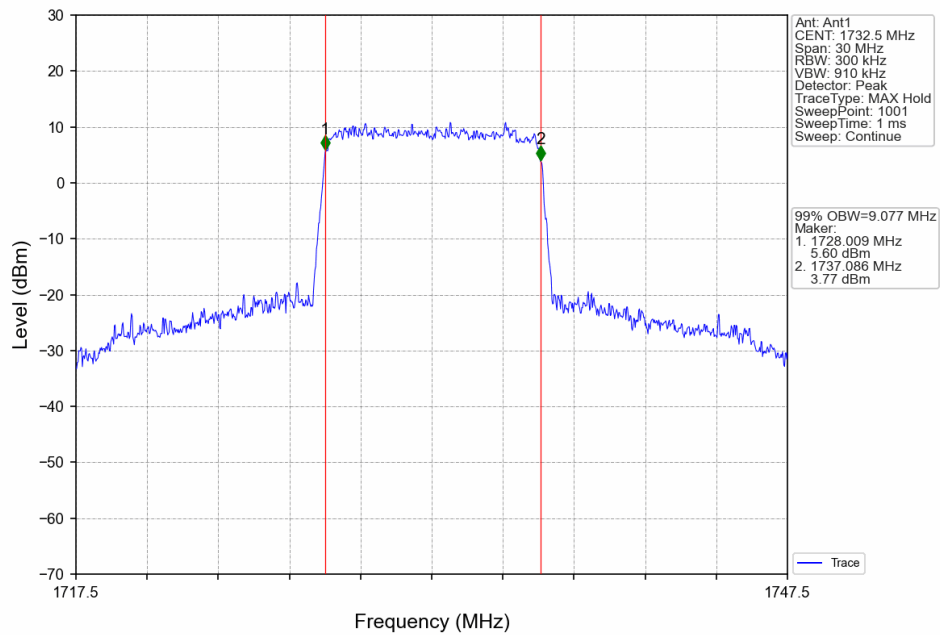
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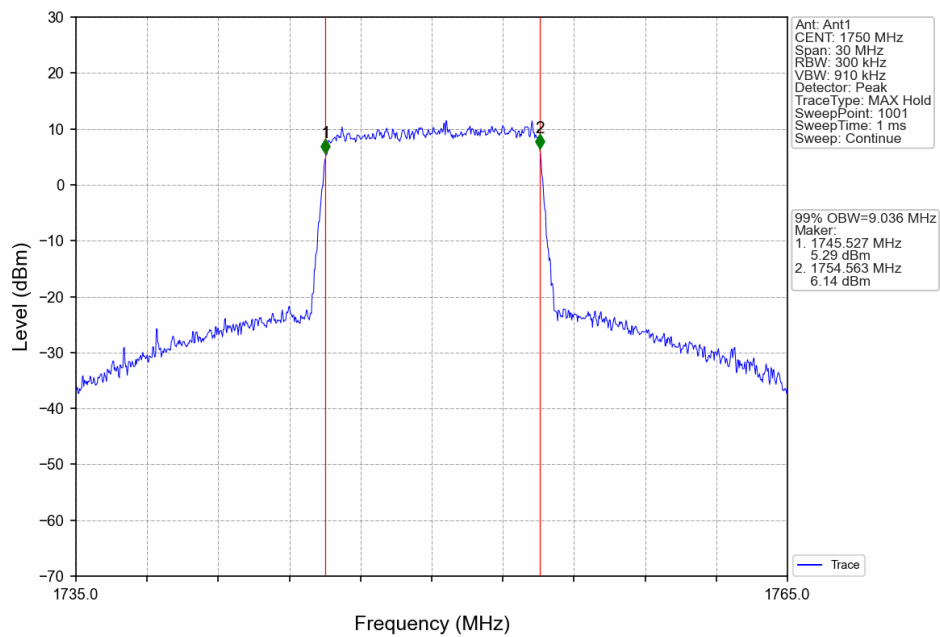
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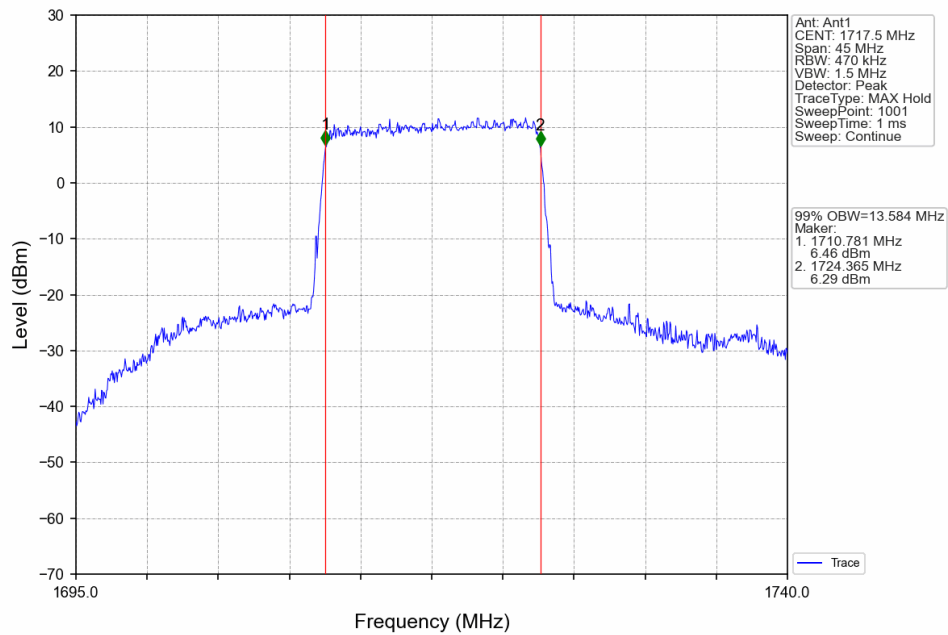
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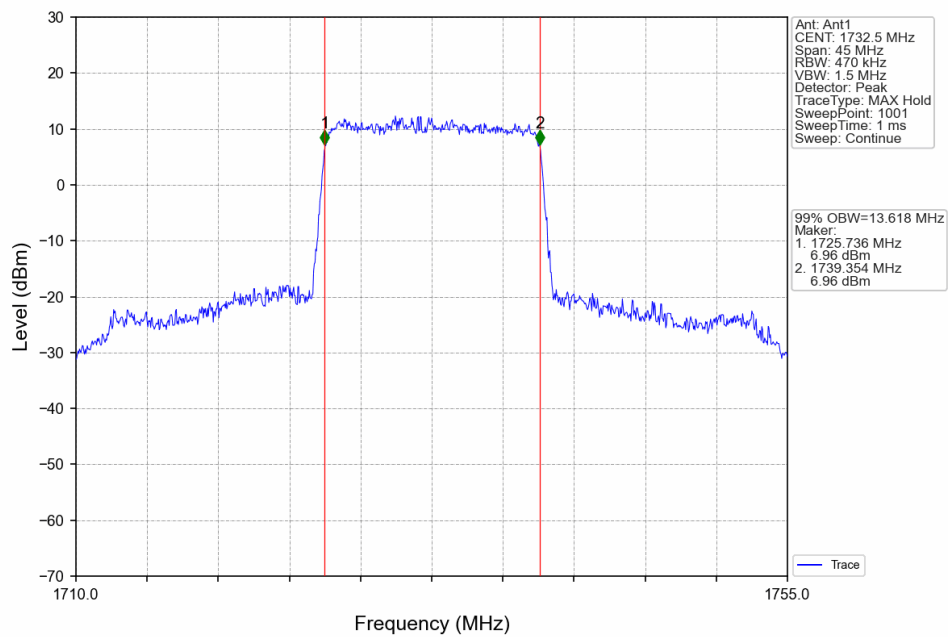
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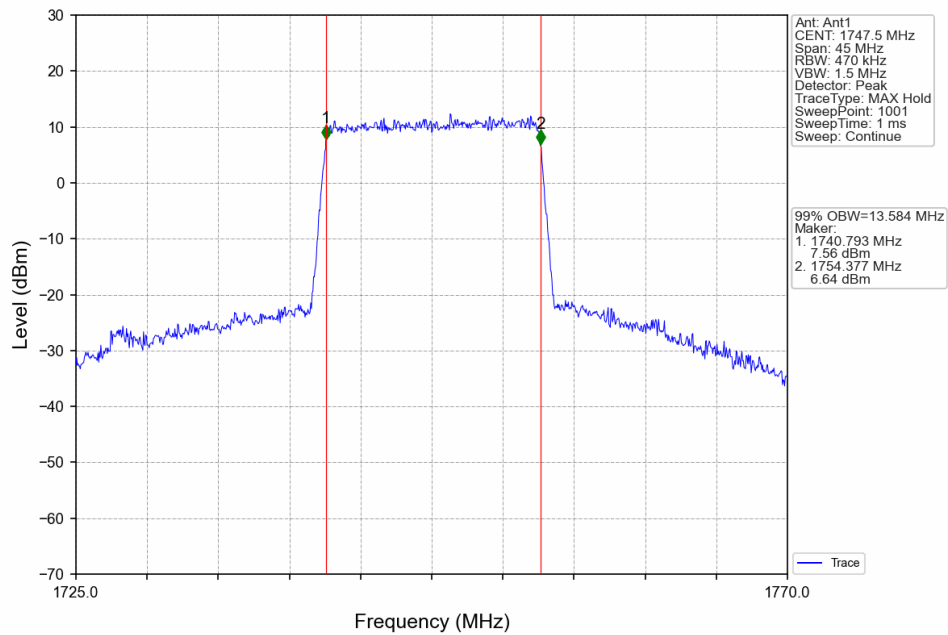
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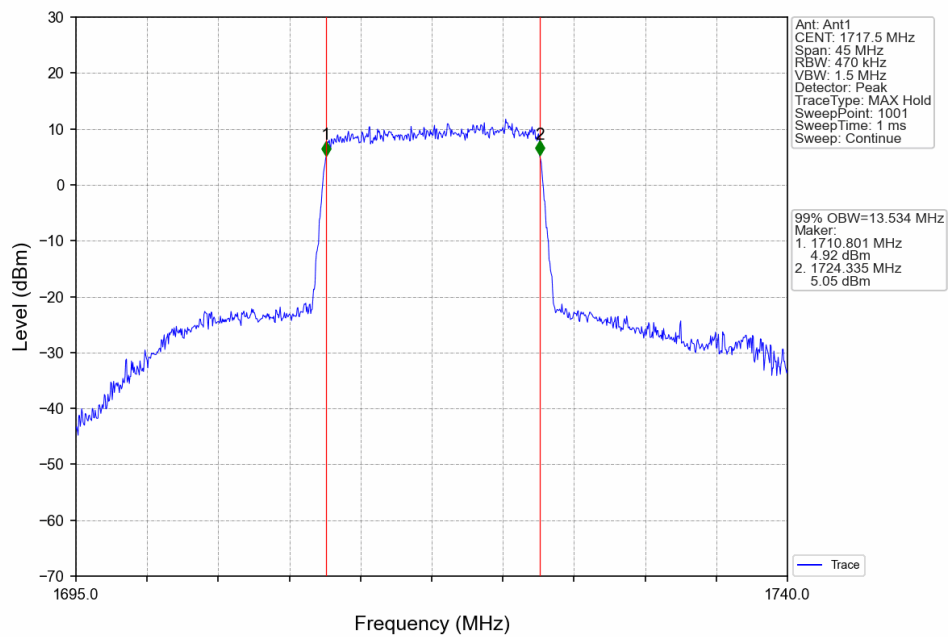
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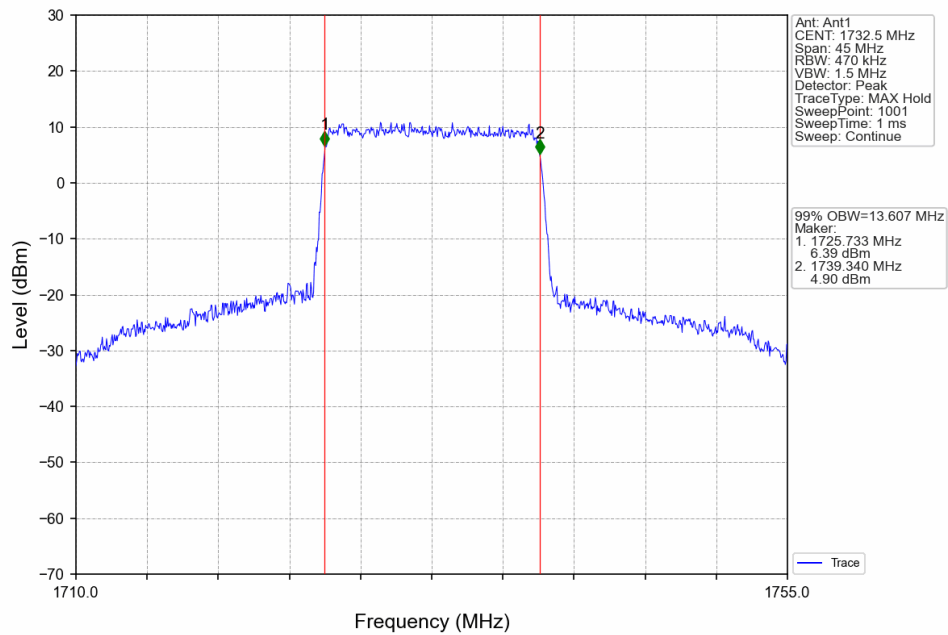
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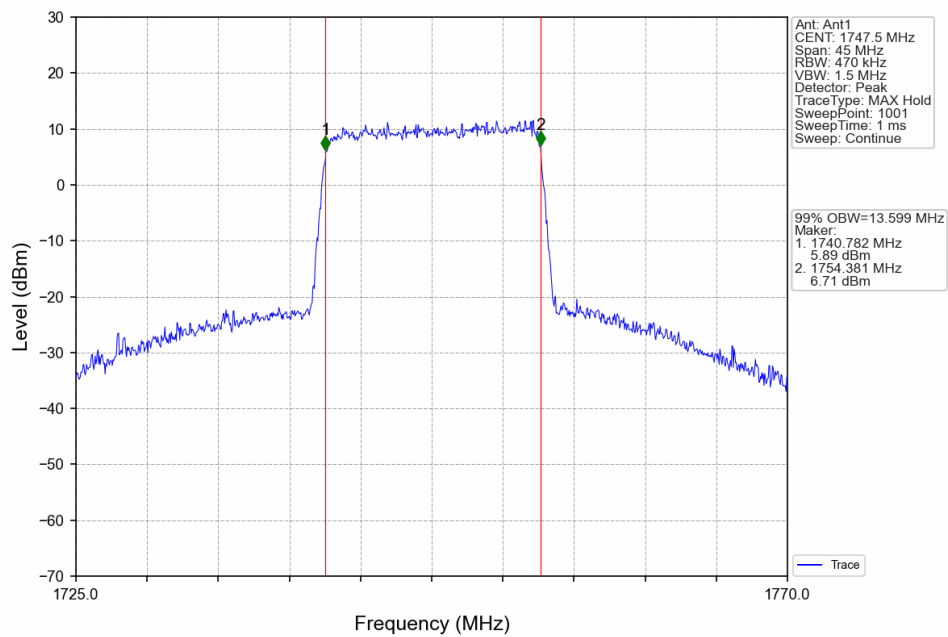
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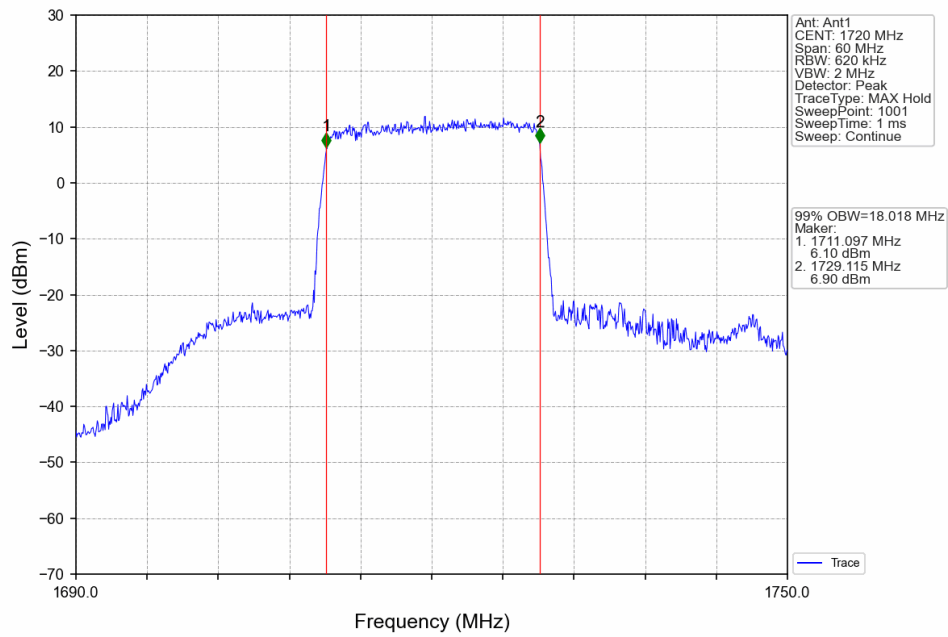
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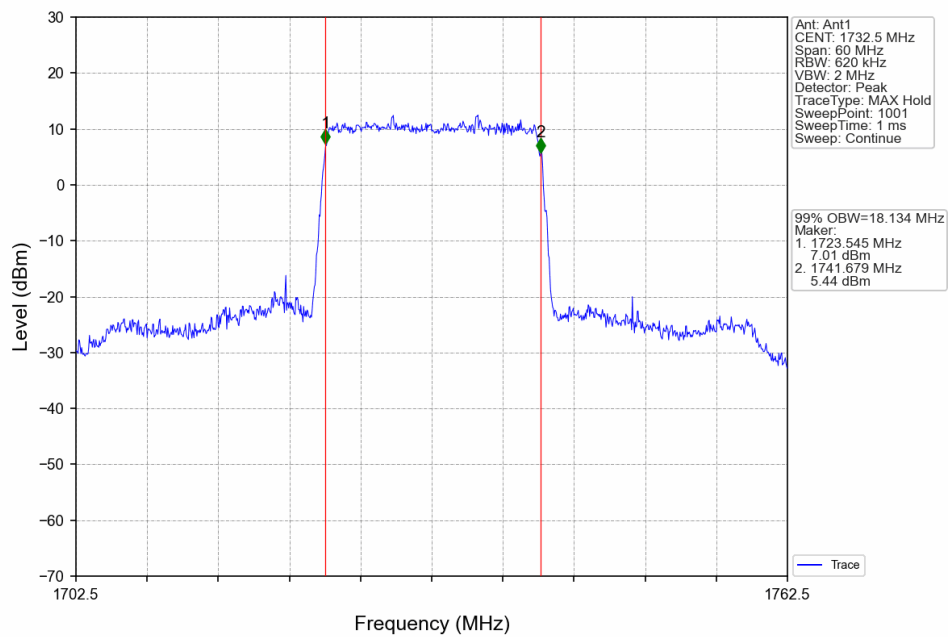
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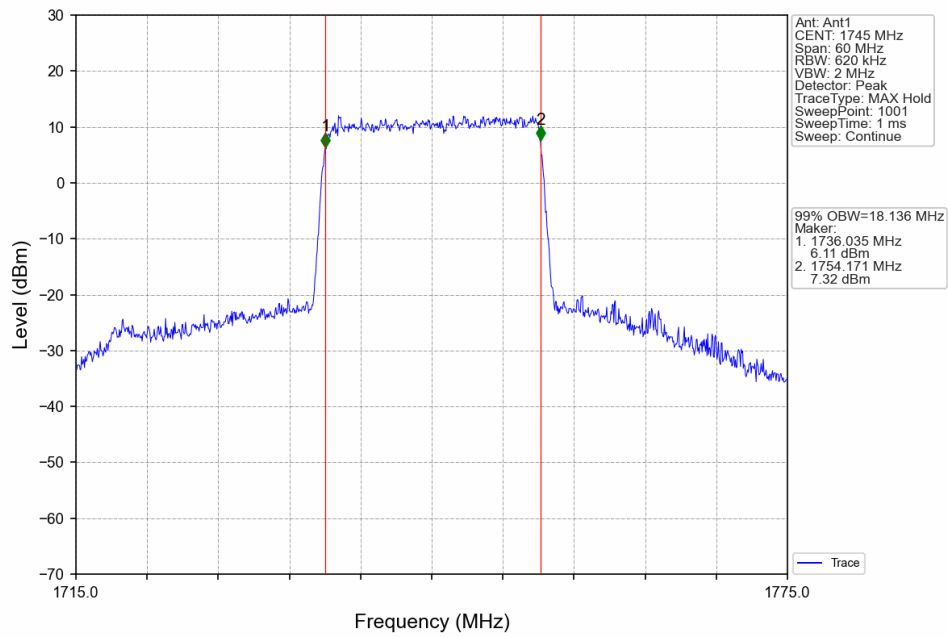
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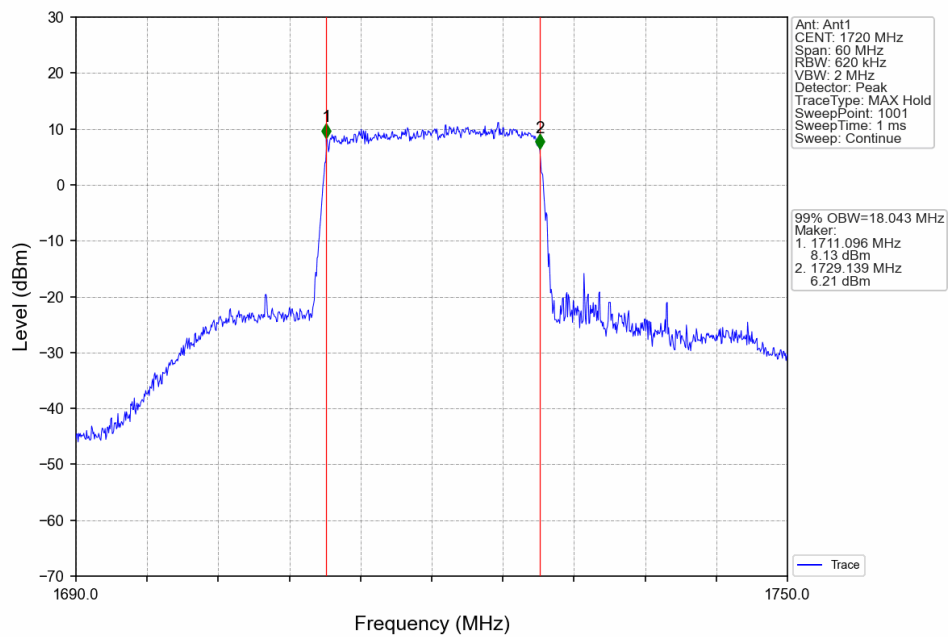
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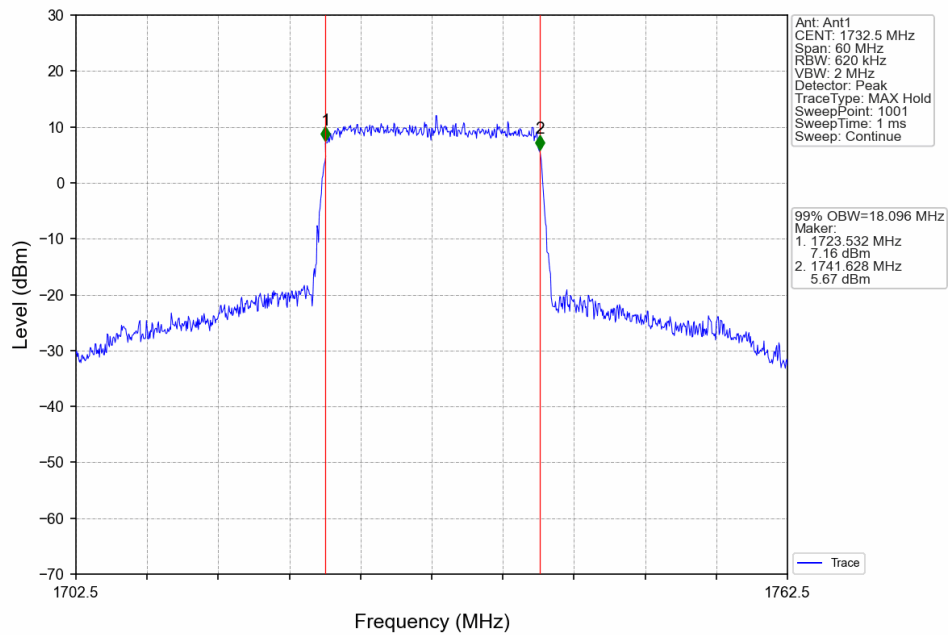
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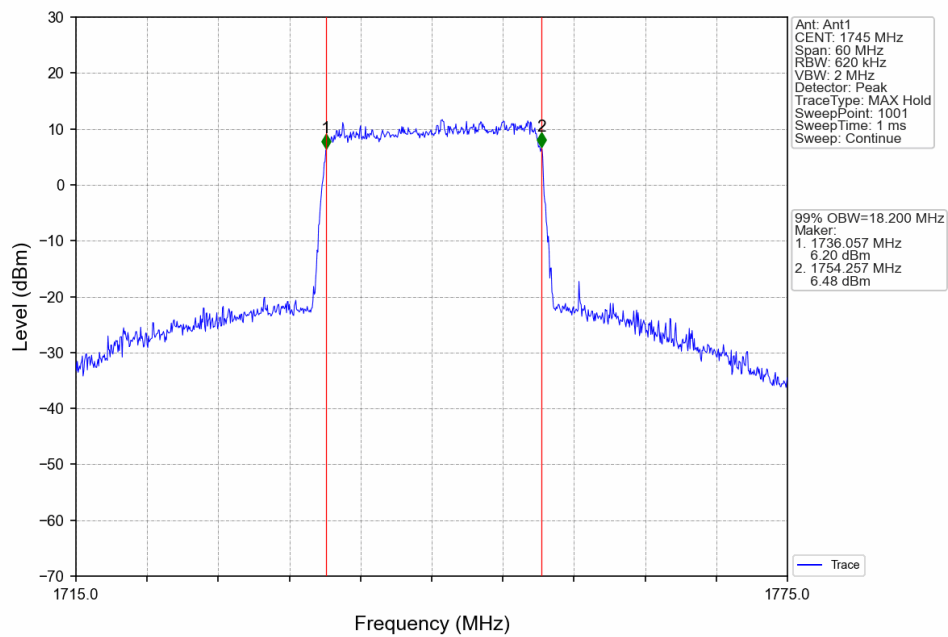
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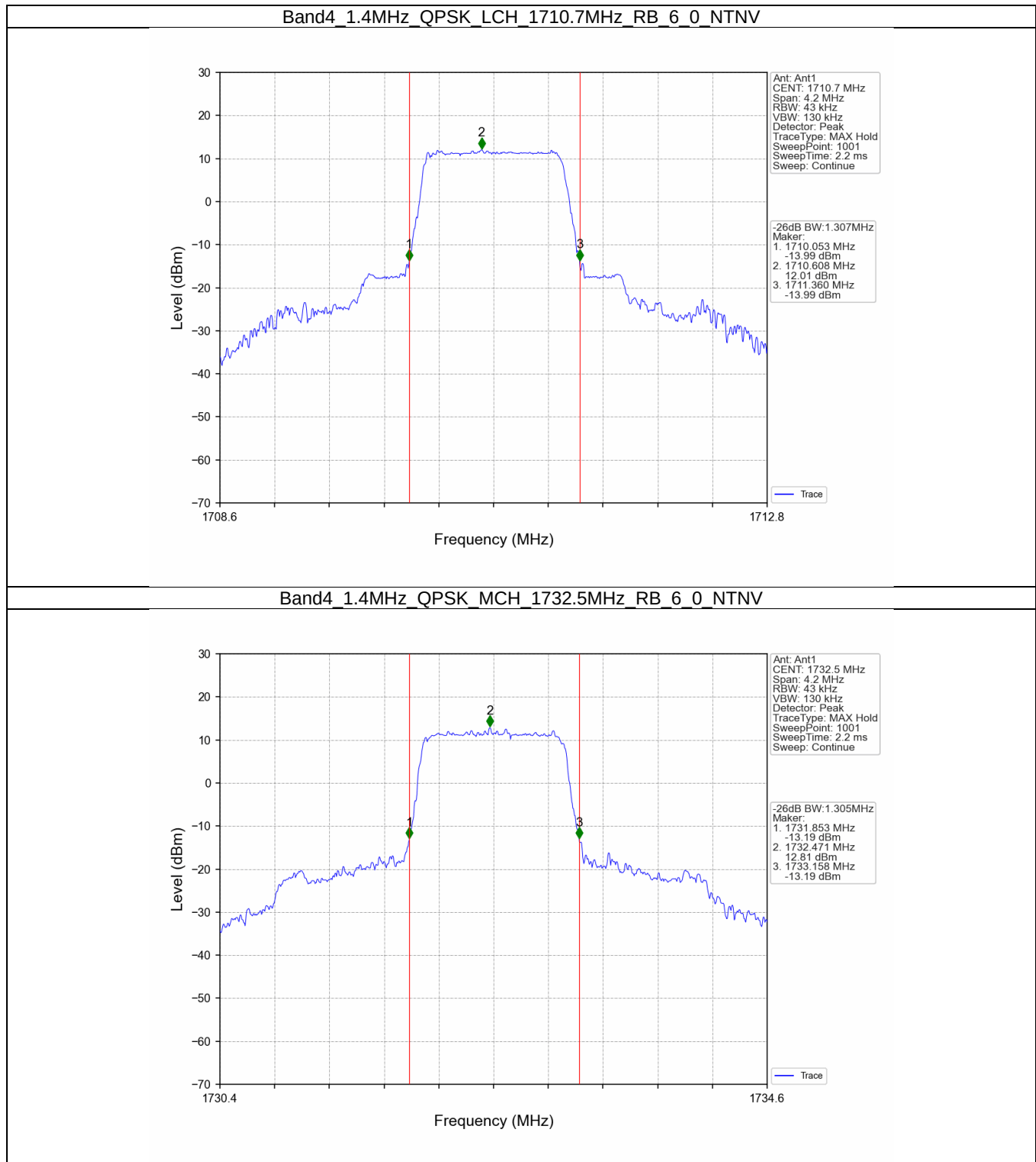
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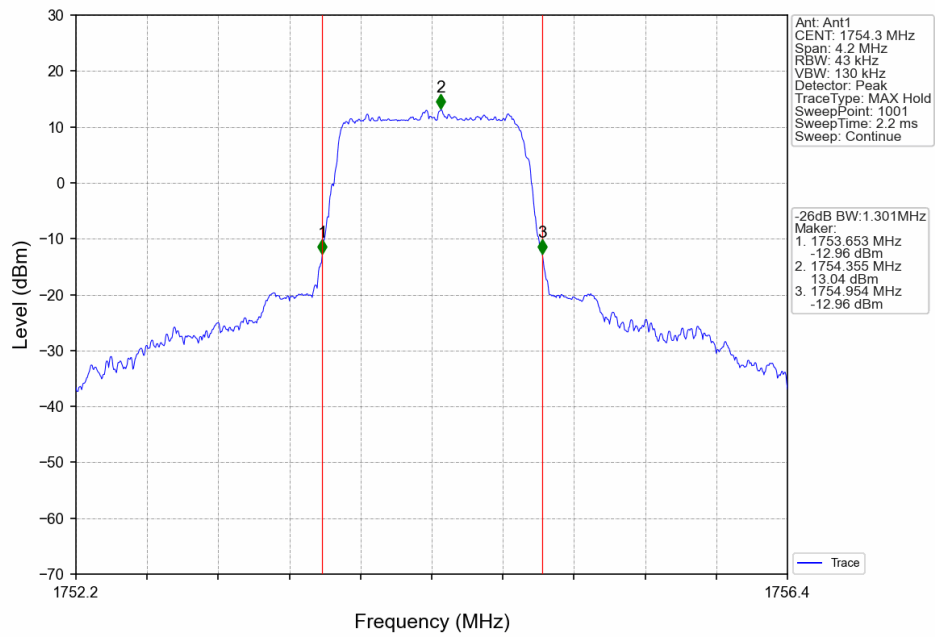
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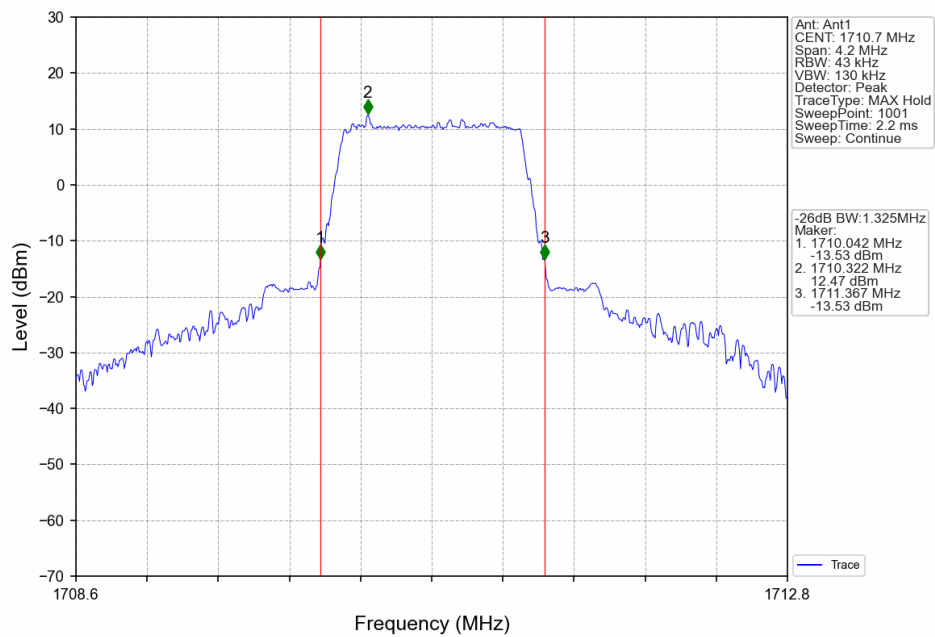
4.2.2 Band4_XDB



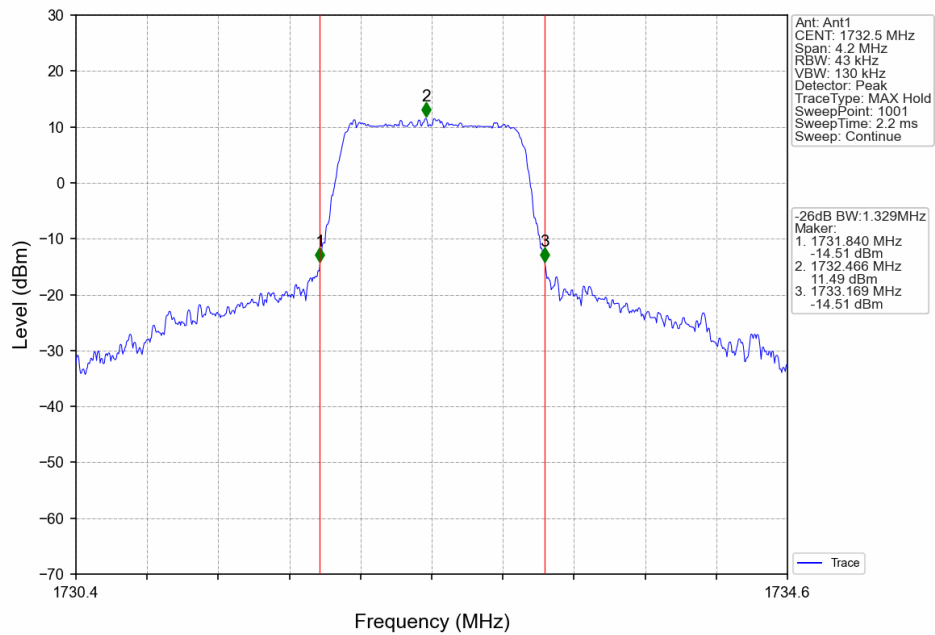
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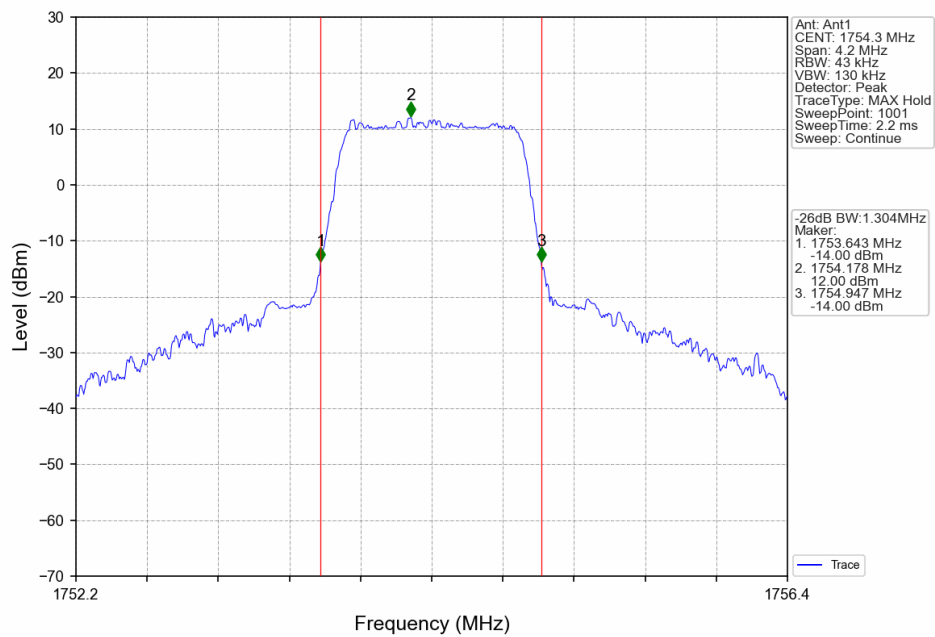
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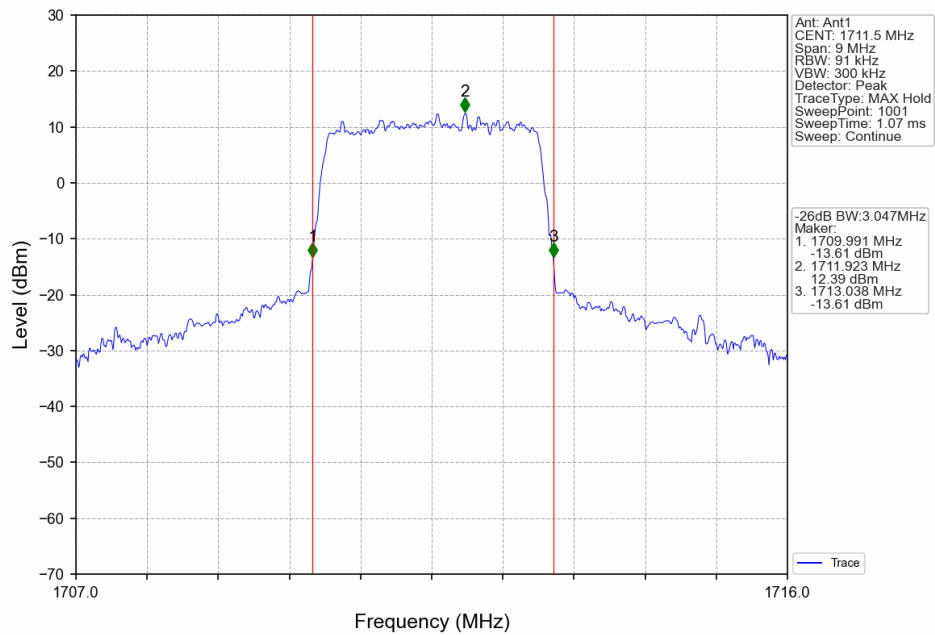
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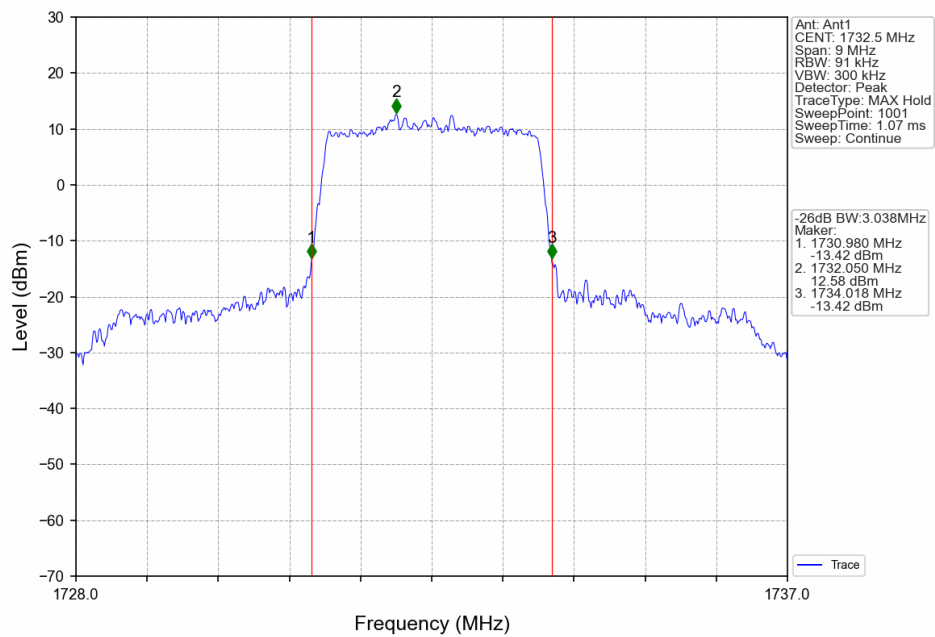
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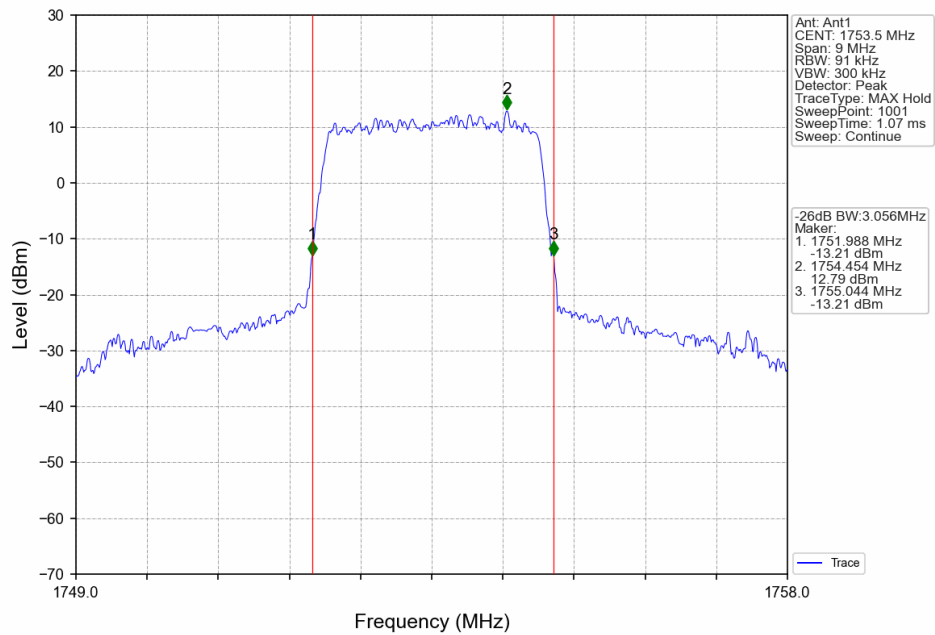
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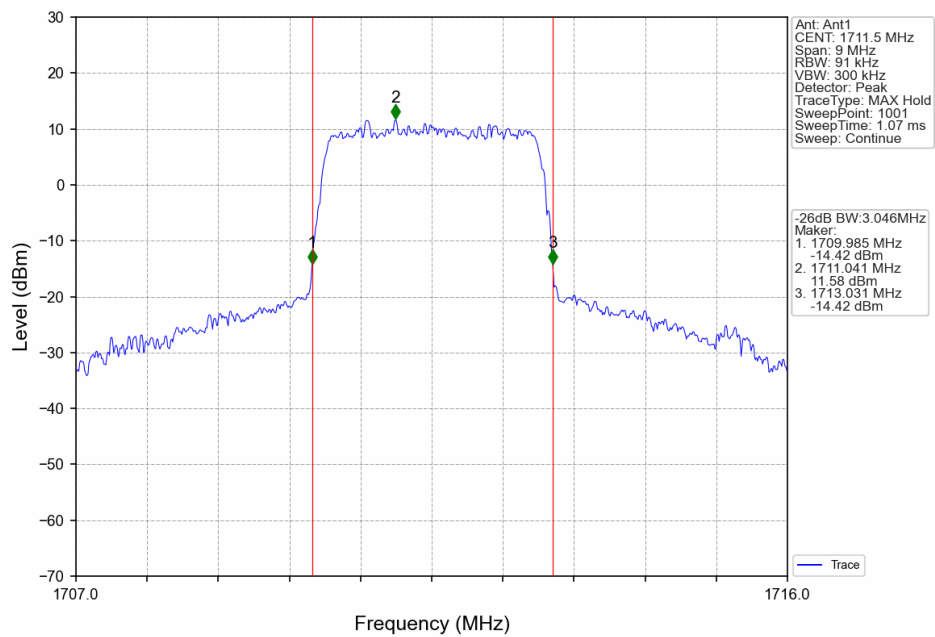
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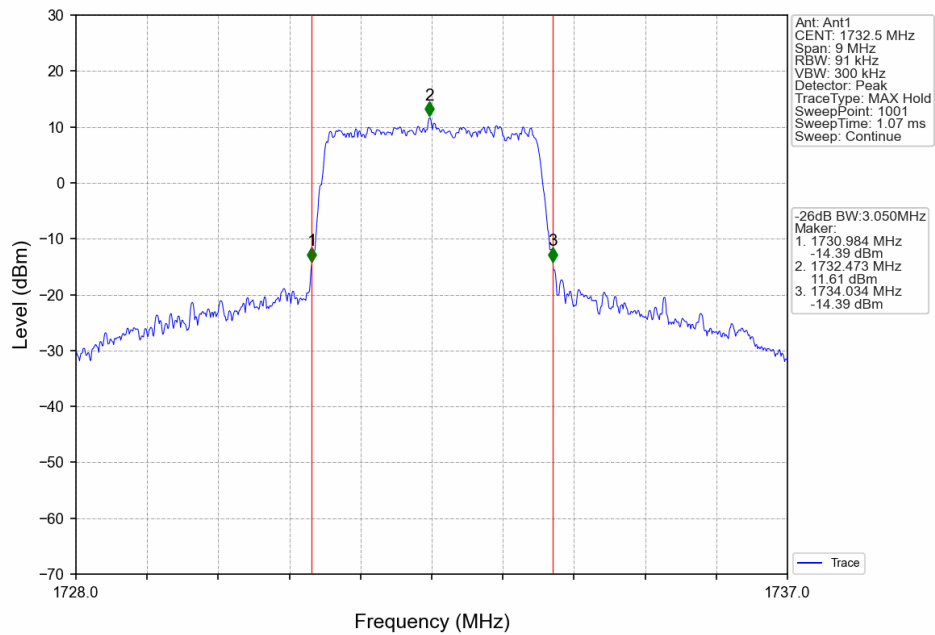
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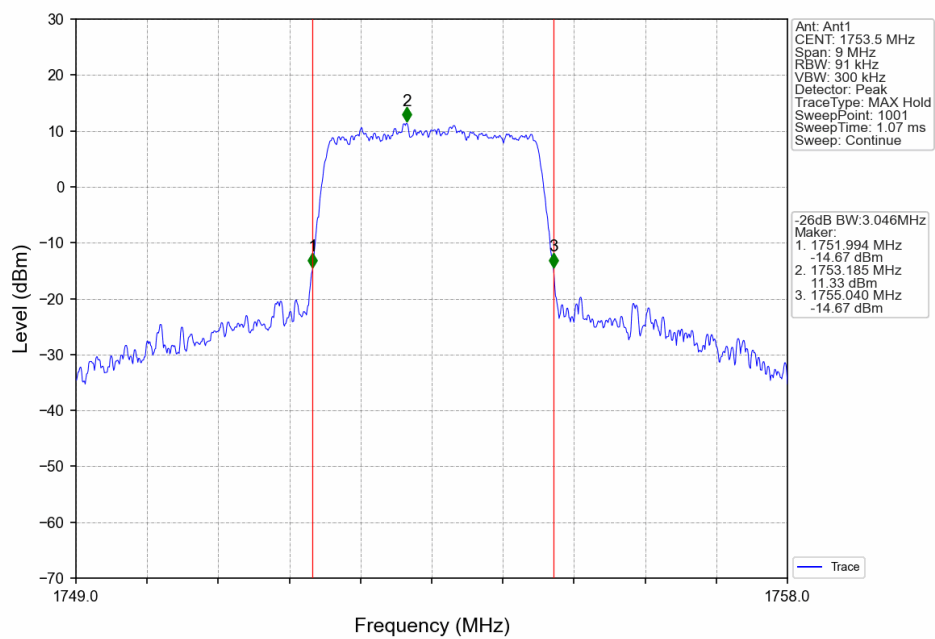
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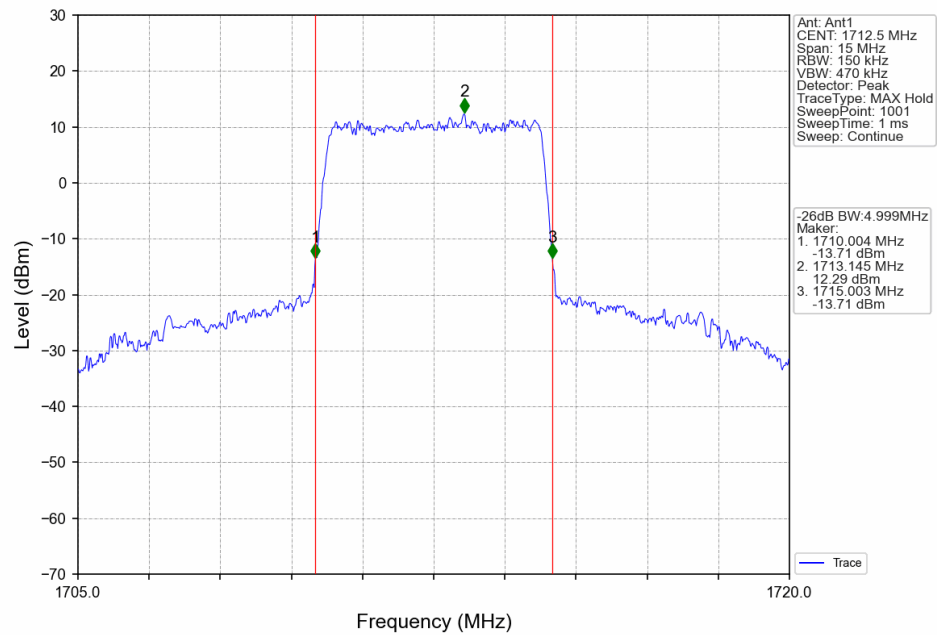
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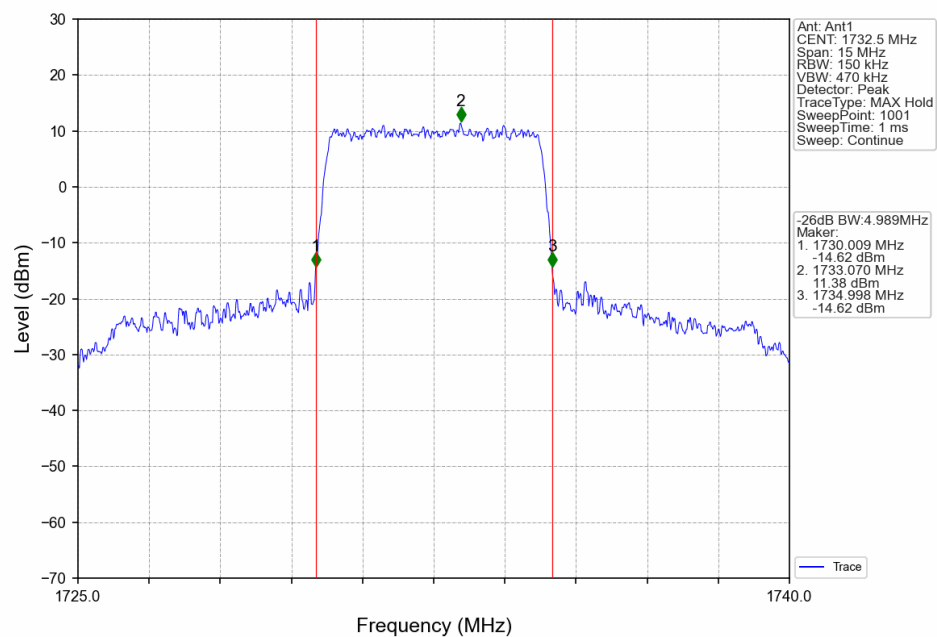
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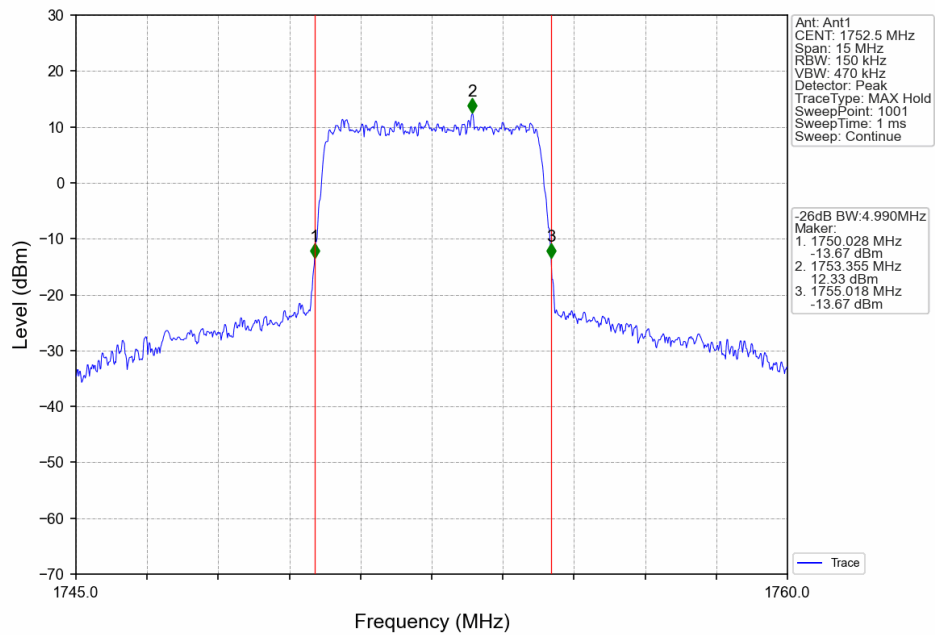
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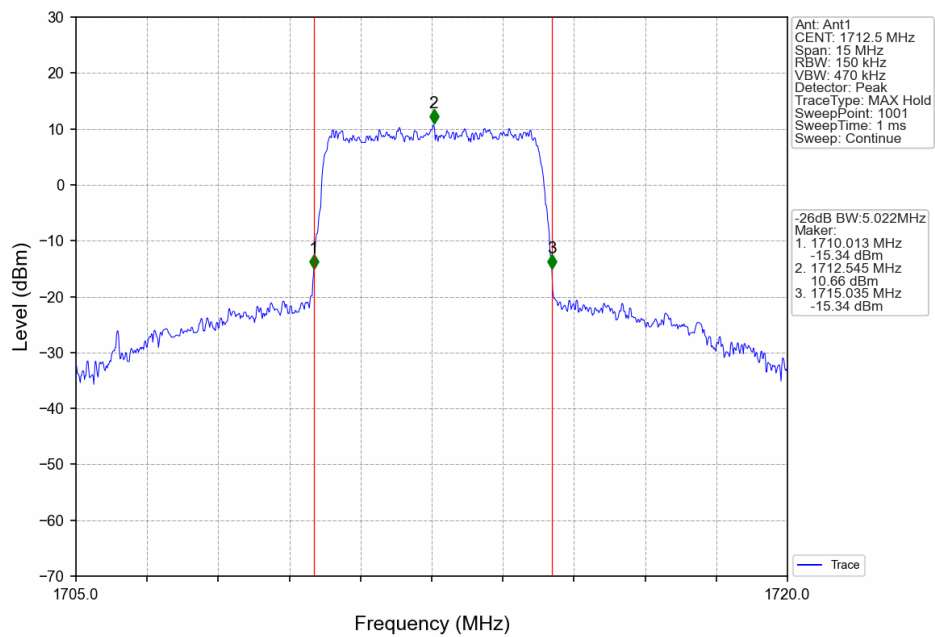
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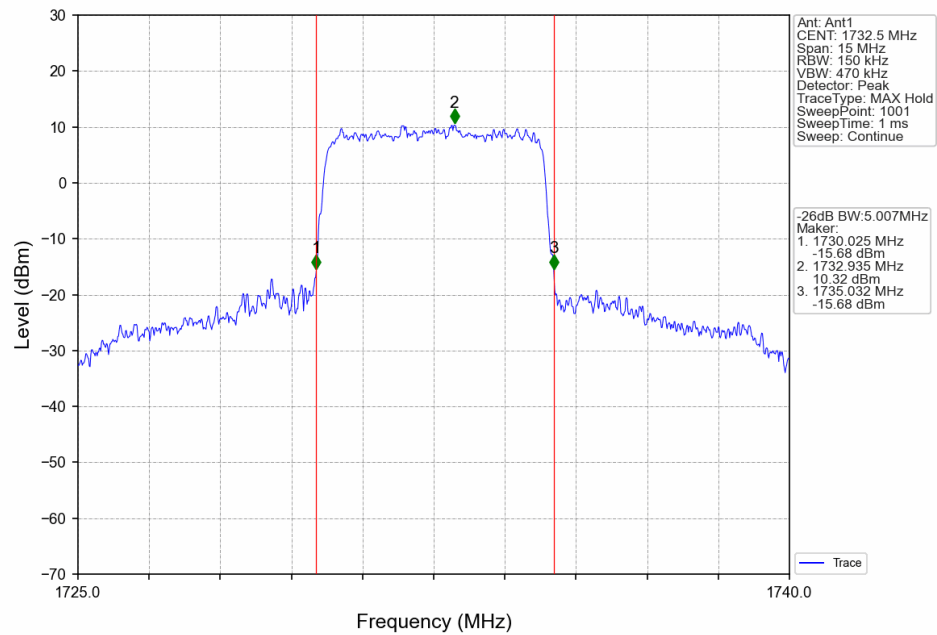
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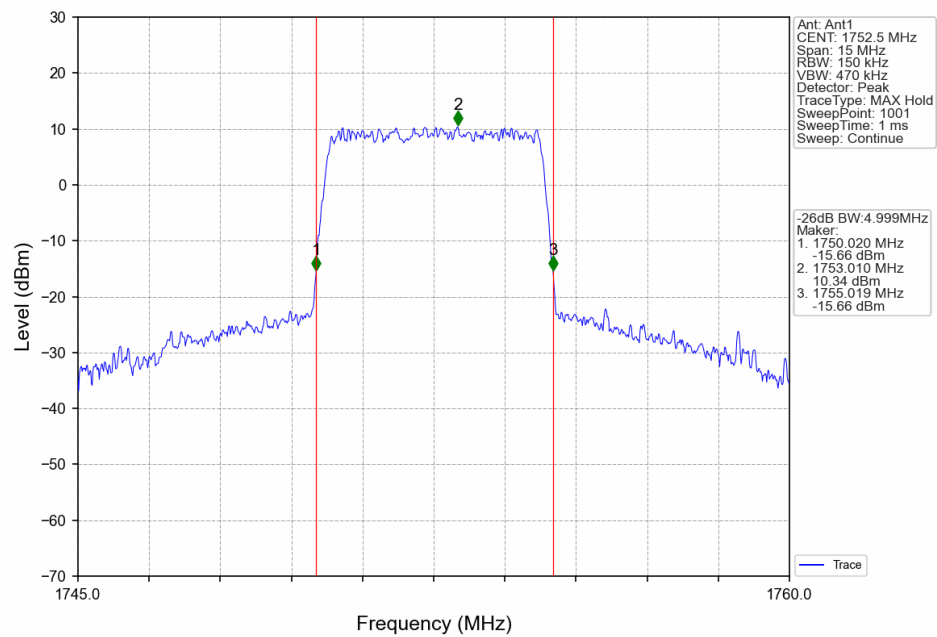
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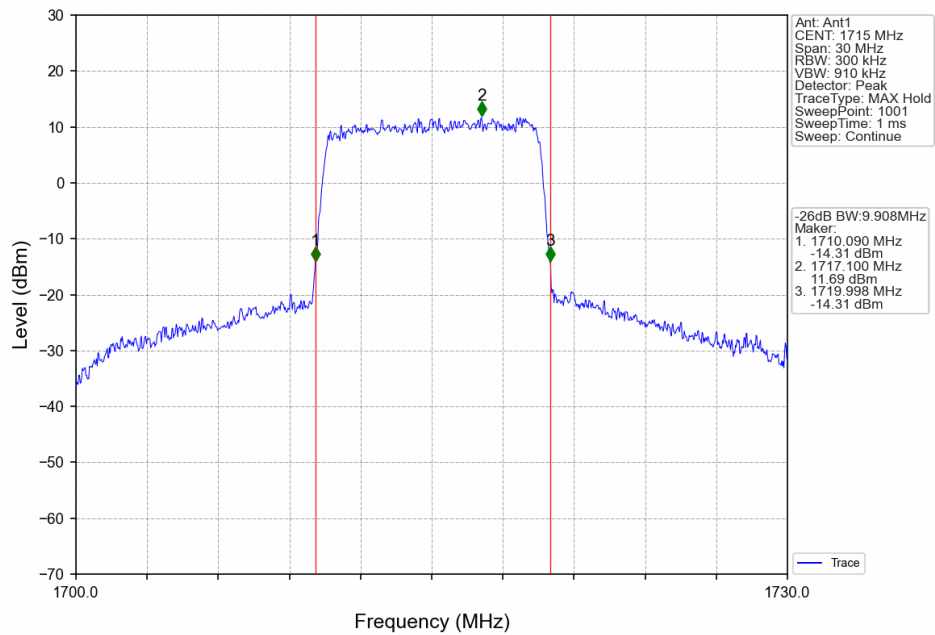
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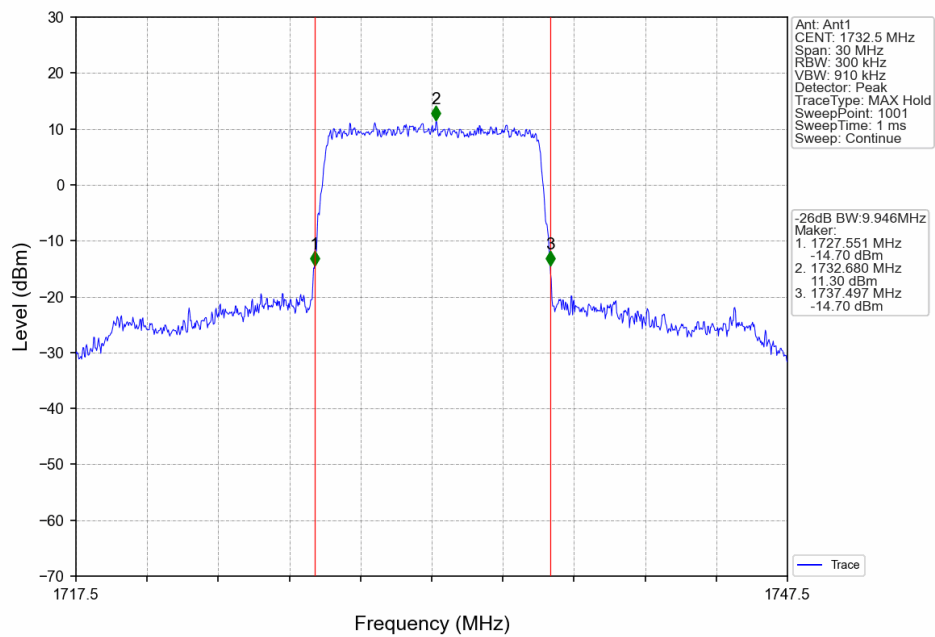
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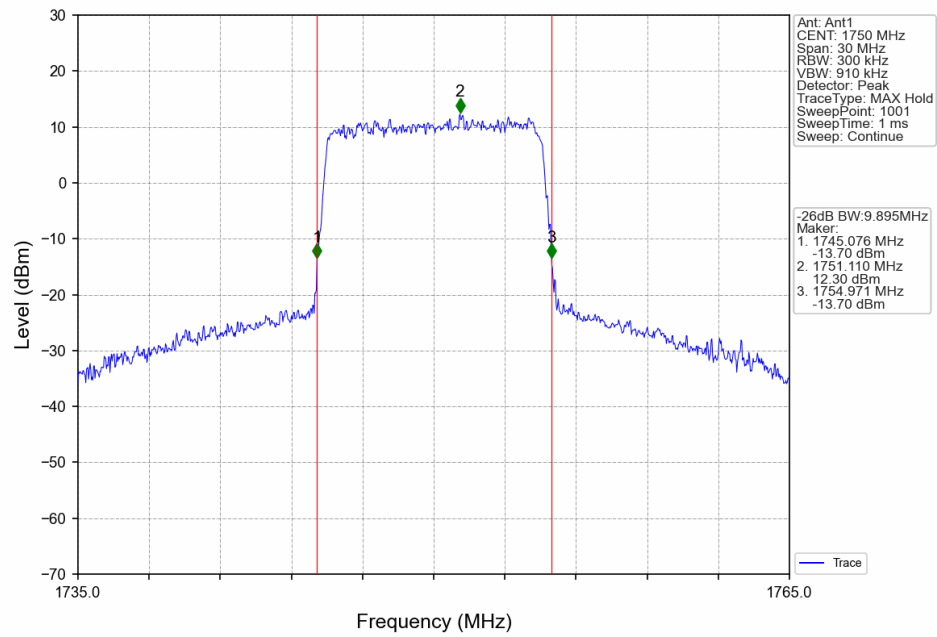
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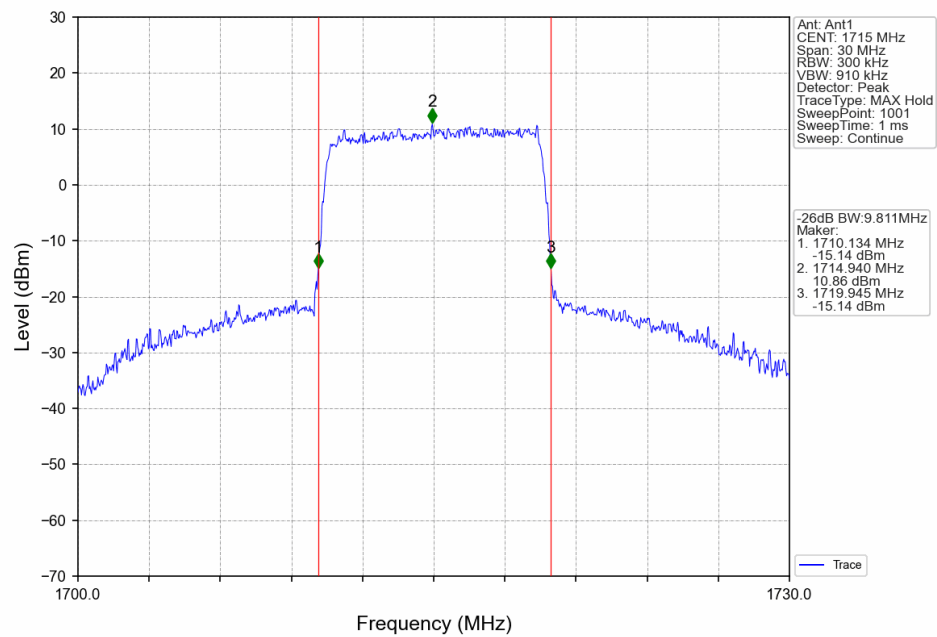
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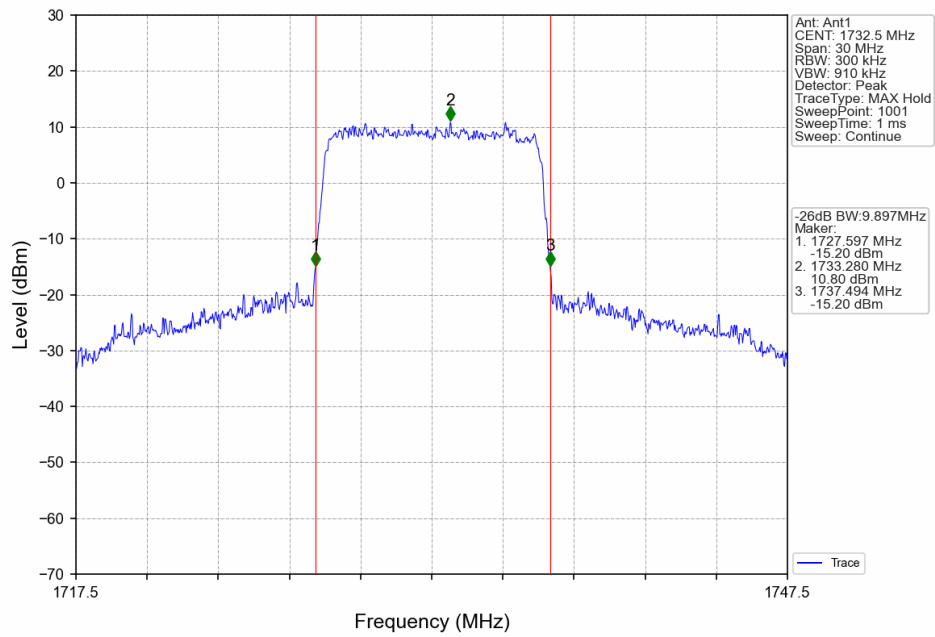
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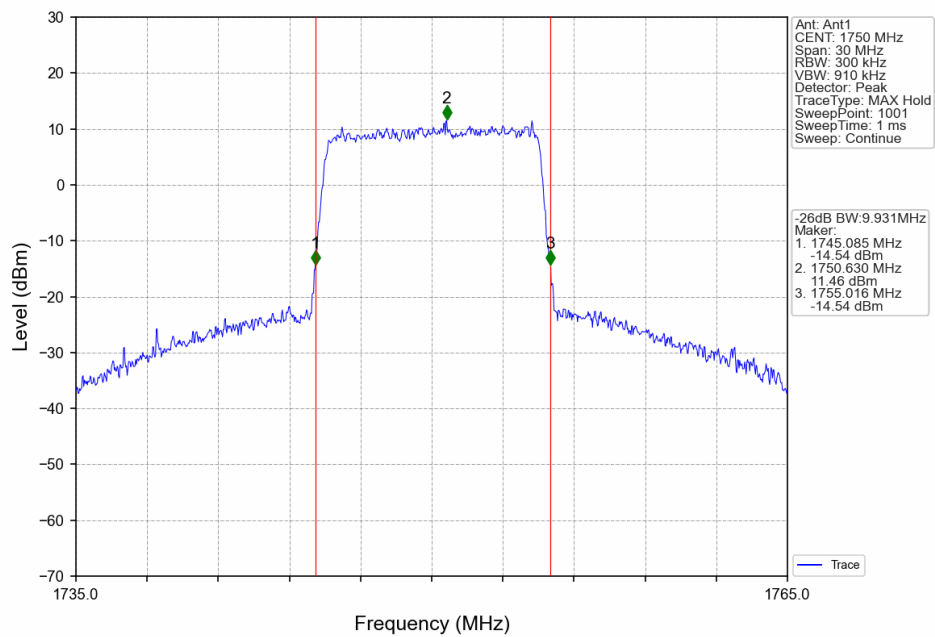
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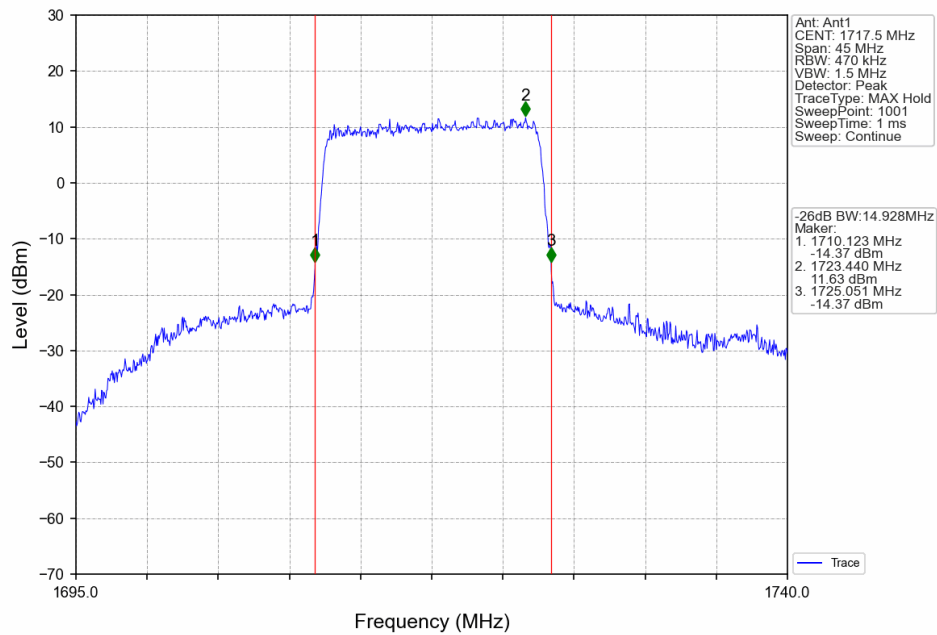
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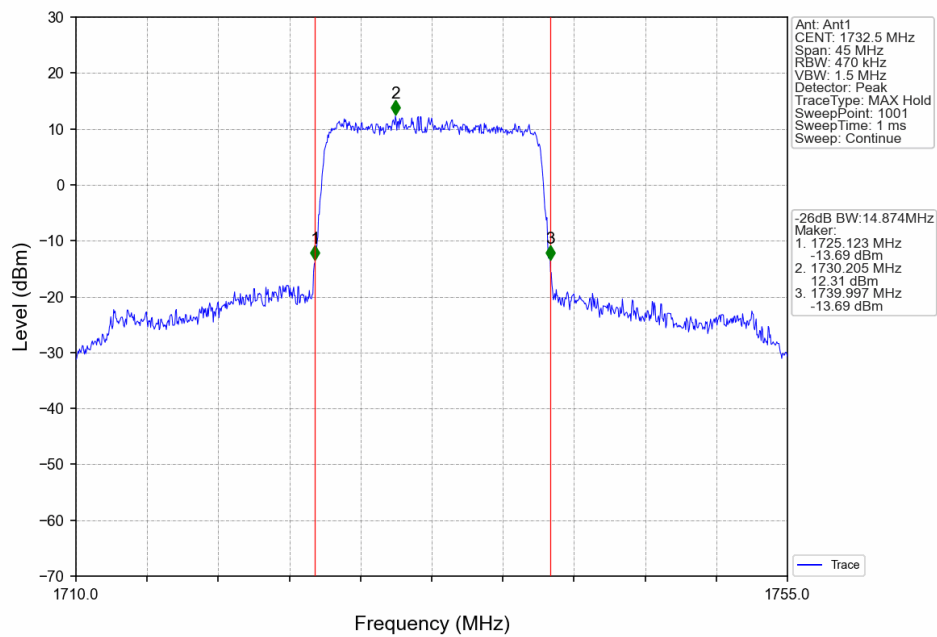
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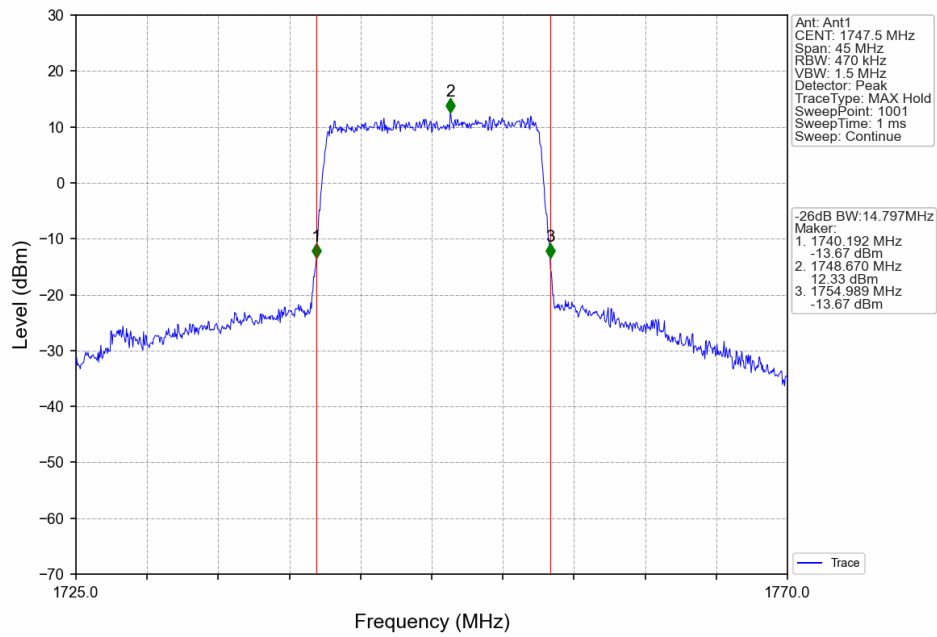
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



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

