

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	23.26	1.05	24.31	<=30	Pass
			2	22.86	1.05	23.91	<=30	Pass
			5	22.78	1.05	23.83	<=30	Pass
		3	0	22.95	1.05	24.00	<=30	Pass
			2	22.99	1.05	24.04	<=30	Pass
			3	22.99	1.05	24.04	<=30	Pass
		6	0	21.90	1.05	22.95	<=30	Pass
	1732.5	1	0	22.89	1.05	23.94	<=30	Pass
			2	22.92	1.05	23.97	<=30	Pass
			5	22.91	1.05	23.96	<=30	Pass
		3	0	23.01	1.05	24.06	<=30	Pass
			2	23.04	1.05	24.09	<=30	Pass
			3	23.00	1.05	24.05	<=30	Pass
		6	0	22.05	1.05	23.10	<=30	Pass
	1754.3	1	0	22.69	1.05	23.74	<=30	Pass
			2	22.80	1.05	23.85	<=30	Pass
			5	22.73	1.05	23.78	<=30	Pass
		3	0	22.93	1.05	23.98	<=30	Pass
			2	22.95	1.05	24.00	<=30	Pass
			3	22.93	1.05	23.98	<=30	Pass
		6	0	21.92	1.05	22.97	<=30	Pass
16QAM	1710.7	1	0	21.85	1.05	22.90	<=30	Pass
			2	21.95	1.05	23.00	<=30	Pass
			5	21.93	1.05	22.98	<=30	Pass
		3	0	22.11	1.05	23.16	<=30	Pass
			2	22.11	1.05	23.16	<=30	Pass
			3	22.12	1.05	23.17	<=30	Pass
		6	0	20.96	1.05	22.01	<=30	Pass
	1732.5	1	0	21.99	1.05	23.04	<=30	Pass
			2	22.04	1.05	23.09	<=30	Pass
			5	21.94	1.05	22.99	<=30	Pass
		3	0	21.91	1.05	22.96	<=30	Pass
			2	21.96	1.05	23.01	<=30	Pass
			3	21.95	1.05	23.00	<=30	Pass
		6	0	21.07	1.05	22.12	<=30	Pass
	1754.3	1	0	21.72	1.05	22.77	<=30	Pass
			2	21.82	1.05	22.87	<=30	Pass
			5	21.74	1.05	22.79	<=30	Pass
		3	0	22.11	1.05	23.16	<=30	Pass
			2	22.13	1.05	23.18	<=30	Pass
			3	22.15	1.05	23.20	<=30	Pass
		6	0	21.01	1.05	22.06	<=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	22.55	1.05	23.60	<=30	Pass
			7	22.68	1.05	23.73	<=30	Pass
			14	22.62	1.05	23.67	<=30	Pass
		8	0	21.82	1.05	22.87	<=30	Pass
			4	21.90	1.05	22.95	<=30	Pass
			7	21.82	1.05	22.87	<=30	Pass
		15	0	21.89	1.05	22.94	<=30	Pass
	1732.5	1	0	22.76	1.05	23.81	<=30	Pass
			7	22.88	1.05	23.93	<=30	Pass
			14	22.70	1.05	23.75	<=30	Pass
		8	0	21.92	1.05	22.97	<=30	Pass
			4	21.97	1.05	23.02	<=30	Pass
			7	21.89	1.05	22.94	<=30	Pass
		15	0	21.83	1.05	22.88	<=30	Pass
	1753.5	1	0	22.61	1.05	23.66	<=30	Pass
			7	22.74	1.05	23.79	<=30	Pass
			14	22.60	1.05	23.65	<=30	Pass
		8	0	21.87	1.05	22.92	<=30	Pass
			4	21.90	1.05	22.95	<=30	Pass
			7	21.85	1.05	22.90	<=30	Pass
		15	0	21.83	1.05	22.88	<=30	Pass
16QAM	1711.5	1	0	22.34	1.05	23.39	<=30	Pass
			7	22.39	1.05	23.44	<=30	Pass
			14	22.31	1.05	23.36	<=30	Pass
		8	0	21.05	1.05	22.10	<=30	Pass
			4	21.14	1.05	22.19	<=30	Pass
			7	21.10	1.05	22.15	<=30	Pass
		15	0	20.96	1.05	22.01	<=30	Pass
	1732.5	1	0	21.67	1.05	22.72	<=30	Pass
			7	21.81	1.05	22.86	<=30	Pass
			14	21.68	1.05	22.73	<=30	Pass
		8	0	21.00	1.05	22.05	<=30	Pass
			4	20.99	1.05	22.04	<=30	Pass
			7	20.92	1.05	21.97	<=30	Pass
		15	0	20.91	1.05	21.96	<=30	Pass
	1753.5	1	0	21.80	1.05	22.85	<=30	Pass
			7	21.95	1.05	23.00	<=30	Pass
			14	21.79	1.05	22.84	<=30	Pass
		8	0	20.86	1.05	21.91	<=30	Pass
			4	20.92	1.05	21.97	<=30	Pass
			7	20.83	1.05	21.88	<=30	Pass
		15	0	20.84	1.05	21.89	<=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	22.90	1.05	23.95	<=30	Pass
			13	23.07	1.05	24.12	<=30	Pass
			24	22.91	1.05	23.96	<=30	Pass
		12	0	21.91	1.05	22.96	<=30	Pass

16QAM	1732.5	25	6	21.94	1.05	22.99	<=30	Pass
			13	22.01	1.05	23.06	<=30	Pass
			0	22.02	1.05	23.07	<=30	Pass
		1	0	22.94	1.05	23.99	<=30	Pass
			13	23.06	1.05	24.11	<=30	Pass
			24	22.94	1.05	23.99	<=30	Pass
		12	0	21.95	1.05	23.00	<=30	Pass
			6	22.00	1.05	23.05	<=30	Pass
			13	21.95	1.05	23.00	<=30	Pass
		25	0	21.92	1.05	22.97	<=30	Pass
	1752.5	1	0	22.88	1.05	23.93	<=30	Pass
			13	22.96	1.05	24.01	<=30	Pass
			24	22.90	1.05	23.95	<=30	Pass
		12	0	21.89	1.05	22.94	<=30	Pass
			6	21.95	1.05	23.00	<=30	Pass
			13	21.96	1.05	23.01	<=30	Pass
		25	0	22.01	1.05	23.06	<=30	Pass
	1712.5	1	0	22.23	1.05	23.28	<=30	Pass
			13	22.40	1.05	23.45	<=30	Pass
			24	22.32	1.05	23.37	<=30	Pass
		12	0	21.05	1.05	22.10	<=30	Pass
			6	21.13	1.05	22.18	<=30	Pass
			13	21.13	1.05	22.18	<=30	Pass
		25	0	21.07	1.05	22.12	<=30	Pass
	1732.5	1	0	21.67	1.05	22.72	<=30	Pass
			13	21.81	1.05	22.86	<=30	Pass
			24	21.73	1.05	22.78	<=30	Pass
		12	0	20.95	1.05	22.00	<=30	Pass
			6	21.00	1.05	22.05	<=30	Pass
			13	20.99	1.05	22.04	<=30	Pass
		25	0	21.03	1.05	22.08	<=30	Pass
	1752.5	1	0	22.00	1.05	23.05	<=30	Pass
			13	22.09	1.05	23.14	<=30	Pass
			24	22.00	1.05	23.05	<=30	Pass
		12	0	20.92	1.05	21.97	<=30	Pass
			6	21.04	1.05	22.09	<=30	Pass
			13	21.03	1.05	22.08	<=30	Pass
		25	0	21.04	1.05	22.09	<=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	22.92	1.05	23.97	<=30	Pass
			25	22.98	1.05	24.03	<=30	Pass
			49	22.97	1.05	24.02	<=30	Pass
		25	0	21.85	1.05	22.90	<=30	Pass
			13	22.05	1.05	23.10	<=30	Pass
			25	22.06	1.05	23.11	<=30	Pass
		50	0	22.06	1.05	23.11	<=30	Pass
	1732.5	1	0	23.08	1.05	24.13	<=30	Pass
			25	23.03	1.05	24.08	<=30	Pass
			49	22.99	1.05	24.04	<=30	Pass
		25	0	21.96	1.05	23.01	<=30	Pass

		50	13	21.98	1.05	23.03	<=30	Pass
			25	21.95	1.05	23.00	<=30	Pass
			0	21.95	1.05	23.00	<=30	Pass
		1	0	22.99	1.05	24.04	<=30	Pass
			25	23.01	1.05	24.06	<=30	Pass
			49	22.98	1.05	24.03	<=30	Pass
	1750	25	0	21.87	1.05	22.92	<=30	Pass
			13	22.04	1.05	23.09	<=30	Pass
			25	21.99	1.05	23.04	<=30	Pass
		50	0	21.99	1.05	23.04	<=30	Pass
			0	22.15	1.05	23.20	<=30	Pass
			25	22.22	1.05	23.27	<=30	Pass
16QAM	1715	1	49	22.21	1.05	23.26	<=30	Pass
			0	20.93	1.05	21.98	<=30	Pass
			13	21.18	1.05	22.23	<=30	Pass
		25	25	21.18	1.05	22.23	<=30	Pass
			0	21.13	1.05	22.18	<=30	Pass
			0	22.43	1.05	23.48	<=30	Pass
		1	25	22.49	1.05	23.54	<=30	Pass
			49	22.51	1.05	23.56	<=30	Pass
			0	21.06	1.05	22.11	<=30	Pass
	1732.5	25	13	21.13	1.05	22.18	<=30	Pass
			25	21.08	1.05	22.13	<=30	Pass
			0	21.02	1.05	22.07	<=30	Pass
		50	0	21.02	1.05	22.07	<=30	Pass
			0	22.02	1.05	23.07	<=30	Pass
			25	22.05	1.05	23.10	<=30	Pass
		1	49	21.96	1.05	23.01	<=30	Pass
			0	21.05	1.05	22.10	<=30	Pass
			13	21.17	1.05	22.22	<=30	Pass
	1750	25	25	21.15	1.05	22.20	<=30	Pass
			0	21.05	1.05	22.10	<=30	Pass
			0	21.93	1.05	22.98	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTN/V								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.84	1.05	23.89	<=30	Pass
			38	23.00	1.05	24.05	<=30	Pass
			74	23.02	1.05	24.07	<=30	Pass
		36	0	21.89	1.05	22.94	<=30	Pass
			18	22.03	1.05	23.08	<=30	Pass
			39	22.05	1.05	23.10	<=30	Pass
		75	0	22.03	1.05	23.08	<=30	Pass
			0	22.98	1.05	24.03	<=30	Pass
			38	23.08	1.05	24.13	<=30	Pass
	1732.5	1	74	22.97	1.05	24.02	<=30	Pass
			0	22.11	1.05	23.16	<=30	Pass
			18	22.12	1.05	23.17	<=30	Pass
		36	39	22.06	1.05	23.11	<=30	Pass
			0	22.06	1.05	23.11	<=30	Pass
			0	22.90	1.05	23.95	<=30	Pass
		1	38	23.05	1.05	24.10	<=30	Pass
			74	22.88	1.05	23.93	<=30	Pass
			0	21.93	1.05	22.98	<=30	Pass

16QAM	1717.5	75	18	21.98	1.05	23.03	<=30	Pass
			39	21.99	1.05	23.04	<=30	Pass
			0	22.03	1.05	23.08	<=30	Pass
		1	0	22.53	1.05	23.58	<=30	Pass
			38	22.64	1.05	23.69	<=30	Pass
			74	22.45	1.05	23.50	<=30	Pass
		36	0	20.95	1.05	22.00	<=30	Pass
			18	21.10	1.05	22.15	<=30	Pass
			39	21.08	1.05	22.13	<=30	Pass
		75	0	21.03	1.05	22.08	<=30	Pass
	1732.5	1	0	22.14	1.05	23.19	<=30	Pass
			38	22.28	1.05	23.33	<=30	Pass
			74	22.37	1.05	23.42	<=30	Pass
		36	0	21.02	1.05	22.07	<=30	Pass
			18	21.05	1.05	22.10	<=30	Pass
			39	21.05	1.05	22.10	<=30	Pass
		75	0	21.03	1.05	22.08	<=30	Pass
	1747.5	1	0	22.13	1.05	23.18	<=30	Pass
			38	22.30	1.05	23.35	<=30	Pass
			74	22.06	1.05	23.11	<=30	Pass
		36	0	20.99	1.05	22.04	<=30	Pass
			18	21.05	1.05	22.10	<=30	Pass
			39	21.05	1.05	22.10	<=30	Pass
		75	0	21.09	1.05	22.14	<=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	23.35	1.05	24.40	<=30	Pass
			50	23.05	1.05	24.10	<=30	Pass
			99	22.98	1.05	24.03	<=30	Pass
		50	0	21.86	1.05	22.91	<=30	Pass
			25	22.07	1.05	23.12	<=30	Pass
			50	22.00	1.05	23.05	<=30	Pass
		100	0	21.93	1.05	22.98	<=30	Pass
	1732.5	1	0	23.39	1.05	24.44	<=30	Pass
			50	23.04	1.05	24.09	<=30	Pass
			99	22.92	1.05	23.97	<=30	Pass
		50	0	22.02	1.05	23.07	<=30	Pass
			25	22.05	1.05	23.10	<=30	Pass
			50	21.99	1.05	23.04	<=30	Pass
		100	0	21.97	1.05	23.02	<=30	Pass
	1745	1	0	23.32	1.05	24.37	<=30	Pass
			50	23.00	1.05	24.05	<=30	Pass
			99	22.82	1.05	23.87	<=30	Pass
		50	0	22.02	1.05	23.07	<=30	Pass
			25	22.11	1.05	23.16	<=30	Pass
			50	22.16	1.05	23.21	<=30	Pass
		100	0	22.07	1.05	23.12	<=30	Pass
16QAM	1720	1	0	22.59	1.05	23.64	<=30	Pass
			50	22.23	1.05	23.28	<=30	Pass
			99	22.02	1.05	23.07	<=30	Pass
		50	0	20.91	1.05	21.96	<=30	Pass

		100	25	21.11	1.05	22.16	<=30	Pass
			50	21.00	1.05	22.05	<=30	Pass
			0	20.97	1.05	22.02	<=30	Pass
	1732.5	1	0	22.51	1.05	23.56	<=30	Pass
			50	22.25	1.05	23.30	<=30	Pass
			99	22.24	1.05	23.29	<=30	Pass
		50	0	20.97	1.05	22.02	<=30	Pass
			25	21.05	1.05	22.10	<=30	Pass
			50	21.02	1.05	22.07	<=30	Pass
		100	0	21.05	1.05	22.10	<=30	Pass
	1745	1	0	22.79	1.05	23.84	<=30	Pass
			50	22.67	1.05	23.72	<=30	Pass
			99	22.41	1.05	23.46	<=30	Pass
		50	0	21.06	1.05	22.11	<=30	Pass
			25	21.12	1.05	22.17	<=30	Pass
			50	21.22	1.05	22.27	<=30	Pass
		100	0	21.13	1.05	22.18	<=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	2.003	0.0012	-2.5 to 2.5	Pass
					3.85	-16.894	-0.0099	-2.5 to 2.5	Pass
					4.43	-20.399	-0.0119	-2.5 to 2.5	Pass
				-30	3.85	-12.617	-0.0074	-2.5 to 2.5	Pass
				-20	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-12.016	-0.0070	-2.5 to 2.5	Pass
				0	3.85	11.845	0.0069	-2.5 to 2.5	Pass
				10	3.85	11.916	0.0070	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-9.713	-0.0057	-2.5 to 2.5	Pass
	1732.5	6	0	50	3.85	5.207	0.0030	-2.5 to 2.5	Pass
				20	3.27	-5.350	-0.0031	-2.5 to 2.5	Pass
					3.85	-15.163	-0.0088	-2.5 to 2.5	Pass
					4.43	18.024	0.0104	-2.5 to 2.5	Pass
				-30	3.85	16.737	0.0097	-2.5 to 2.5	Pass
				-20	3.85	-7.296	-0.0042	-2.5 to 2.5	Pass
				-10	3.85	14.176	0.0082	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				10	3.85	3.591	0.0021	-2.5 to 2.5	Pass
				30	3.85	-8.783	-0.0051	-2.5 to 2.5	Pass
	1754.3	6	0	40	3.85	13.061	0.0075	-2.5 to 2.5	Pass
				50	3.85	10.357	0.0060	-2.5 to 2.5	Pass
				20	3.27	-2.518	-0.0014	-2.5 to 2.5	Pass
					3.85	4.706	0.0027	-2.5 to 2.5	Pass
					4.43	3.276	0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	-10	3.85	5.479	0.0031	-2.5 to 2.5	Pass
				0	3.85	-16.494	-0.0094	-2.5 to 2.5	Pass
				10	3.85	9.413	0.0054	-2.5 to 2.5	Pass
				30	3.85	-6.638	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-16.022	-0.0091	-2.5 to 2.5	Pass
				50	3.85	6.251	0.0036	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	1.345	0.0008	-2.5 to 2.5	Pass
					3.85	0.758	0.0004	-2.5 to 2.5	Pass
					4.43	7.224	0.0042	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0003	-2.5 to 2.5	Pass
				-20	3.85	8.383	0.0049	-2.5 to 2.5	Pass
				-10	3.85	-13.404	-0.0078	-2.5 to 2.5	Pass
				0	3.85	7.410	0.0043	-2.5 to 2.5	Pass
				10	3.85	-14.262	-0.0083	-2.5 to 2.5	Pass
				30	3.85	9.327	0.0055	-2.5 to 2.5	Pass
				40	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				50	3.85	-8.626	-0.0050	-2.5 to 2.5	Pass
				20	3.27	-9.155	-0.0053	-2.5 to 2.5	Pass
					3.85	10.300	0.0059	-2.5 to 2.5	Pass
					4.43	-18.582	-0.0107	-2.5 to 2.5	Pass
				-30	3.85	-10.099	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	5.922	0.0034	-2.5 to 2.5	Pass
				-10	3.85	9.856	0.0057	-2.5 to 2.5	Pass
				0	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				10	3.85	3.934	0.0023	-2.5 to 2.5	Pass
				30	3.85	12.217	0.0071	-2.5 to 2.5	Pass
				40	3.85	-13.304	-0.0077	-2.5 to 2.5	Pass
				50	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-13.747	-0.0078	-2.5 to 2.5	Pass
					3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
					4.43	-11.687	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	6.638	0.0038	-2.5 to 2.5	Pass
				-20	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	9.413	0.0054	-2.5 to 2.5	Pass
				0	3.85	-13.533	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-10.901	-0.0062	-2.5 to 2.5	Pass
				30	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				40	3.85	-11.215	-0.0064	-2.5 to 2.5	Pass
				50	3.85	1.431	0.0008	-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	-13.976	-0.0082	-2.5 to 2.5	Pass
					3.85	13.018	0.0076	-2.5 to 2.5	Pass
					4.43	-16.866	-0.0099	-2.5 to 2.5	Pass
				-30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	11.272	0.0066	-2.5 to 2.5	Pass
				-10	3.85	-10.629	-0.0062	-2.5 to 2.5	Pass
				0	3.85	-14.048	-0.0082	-2.5 to 2.5	Pass
				10	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.460	0.0014	-2.5 to 2.5	Pass
				40	3.85	12.431	0.0073	-2.5 to 2.5	Pass
				50	3.85	-6.838	-0.0040	-2.5 to 2.5	Pass

	1732.5	15	0	20	3.27	4.363	0.0025	-2.5 to 2.5	Pass
					3.85	-1.388	-0.0008	-2.5 to 2.5	Pass
					4.43	2.418	0.0014	-2.5 to 2.5	Pass
				-30	3.85	4.663	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				0	3.85	9.799	0.0057	-2.5 to 2.5	Pass
				10	3.85	-10.629	-0.0061	-2.5 to 2.5	Pass
				30	3.85	12.717	0.0073	-2.5 to 2.5	Pass
				40	3.85	17.052	0.0098	-2.5 to 2.5	Pass
				50	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	5.522	0.0031	-2.5 to 2.5	Pass
					3.85	-6.180	-0.0035	-2.5 to 2.5	Pass
					4.43	-12.603	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	11.973	0.0068	-2.5 to 2.5	Pass
				-20	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	4.649	0.0027	-2.5 to 2.5	Pass
				0	3.85	-11.644	-0.0066	-2.5 to 2.5	Pass
				10	3.85	6.995	0.0040	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-7.267	-0.0041	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-3.276	-0.0019	-2.5 to 2.5	Pass
					3.85	-9.527	-0.0056	-2.5 to 2.5	Pass
					4.43	-6.595	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				0	3.85	-8.912	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-9.942	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-11.044	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.844	-0.0005	-2.5 to 2.5	Pass
					3.85	11.659	0.0067	-2.5 to 2.5	Pass
					4.43	1.245	0.0007	-2.5 to 2.5	Pass
				-30	3.85	-12.074	-0.0070	-2.5 to 2.5	Pass
				-20	3.85	-15.578	-0.0090	-2.5 to 2.5	Pass
				-10	3.85	-13.690	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				10	3.85	5.951	0.0034	-2.5 to 2.5	Pass
				30	3.85	-10.300	-0.0059	-2.5 to 2.5	Pass
				40	3.85	5.364	0.0031	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	6.852	0.0039	-2.5 to 2.5	Pass
					3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
					4.43	1.931	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-14.820	-0.0085	-2.5 to 2.5	Pass
				-10	3.85	7.653	0.0044	-2.5 to 2.5	Pass
				0	3.85	12.202	0.0070	-2.5 to 2.5	Pass
				10	3.85	-10.486	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-6.351	-0.0036	-2.5 to 2.5	Pass
				50	3.85	0.830	0.0005	-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	1.445	0.0008	-2.5 to 2.5	Pass
					3.85	3.676	0.0021	-2.5 to 2.5	Pass
					4.43	-2.317	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	3.362	0.0020	-2.5 to 2.5	Pass
				-20	3.85	0.257	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-11.115	-0.0065	-2.5 to 2.5	Pass
				0	3.85	-6.323	-0.0037	-2.5 to 2.5	Pass
				10	3.85	4.063	0.0024	-2.5 to 2.5	Pass
				30	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				50	3.85	1.745	0.0010	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-4.320	-0.0025	-2.5 to 2.5	Pass
					3.85	-6.852	-0.0040	-2.5 to 2.5	Pass
					4.43	2.661	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-11.301	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				0	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				10	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				30	3.85	4.778	0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				50	3.85	4.635	0.0027	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	4.420	0.0025	-2.5 to 2.5	Pass
					3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
					4.43	-6.323	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				30	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-4.091	-0.0024	-2.5 to 2.5	Pass
					3.85	5.093	0.0030	-2.5 to 2.5	Pass
					4.43	1.960	0.0011	-2.5 to 2.5	Pass
				-30	3.85	6.366	0.0037	-2.5 to 2.5	Pass
				-20	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	2.589	0.0015	-2.5 to 2.5	Pass
				0	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-8.197	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-5.608	-0.0033	-2.5 to 2.5	Pass
				40	3.85	8.111	0.0047	-2.5 to 2.5	Pass
				50	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-5.765	-0.0033	-2.5 to 2.5	Pass
					3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.473	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass

	1752.5	25	0	40	3.85	-4.535	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				20	3.27	1.459	0.0008	-2.5 to 2.5	Pass
					3.85	0.830	0.0005	-2.5 to 2.5	Pass
					4.43	12.159	0.0069	-2.5 to 2.5	Pass
				-30	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				-20	3.85	6.423	0.0037	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-9.270	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				40	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				50	3.85	-1.774	-0.0010	-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	2.561	0.0015	-2.5 to 2.5	Pass
					3.85	2.775	0.0016	-2.5 to 2.5	Pass
					4.43	-9.098	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.605	0.0021	-2.5 to 2.5	Pass
				10	3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-4.048	-0.0024	-2.5 to 2.5	Pass
				50	3.85	1.016	0.0006	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-8.383	-0.0048	-2.5 to 2.5	Pass
					3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
					4.43	1.073	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.689	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-2.975	-0.0017	-2.5 to 2.5	Pass
					3.85	4.277	0.0024	-2.5 to 2.5	Pass
					4.43	0.143	0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				40	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				50	3.85	0.587	0.0003	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-7.496	-0.0044	-2.5 to 2.5	Pass
					3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
					4.43	4.649	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass

				-20	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	6.366	0.0037	-2.5 to 2.5	Pass
				0	3.85	-2.818	-0.0016	-2.5 to 2.5	Pass
				10	3.85	3.934	0.0023	-2.5 to 2.5	Pass
				30	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				50	3.85	3.133	0.0018	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	2.718	0.0016	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					4.43	3.362	0.0019	-2.5 to 2.5	Pass
				-30	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				30	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				40	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				50	3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
				20	3.27	1.774	0.0010	-2.5 to 2.5	Pass
					3.85	8.025	0.0046	-2.5 to 2.5	Pass
					4.43	2.818	0.0016	-2.5 to 2.5	Pass
	1750	50	0	-30	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-20	3.85	-2.446	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-7.768	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				30	3.85	2.875	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.389	0.0014	-2.5 to 2.5	Pass
				50	3.85	-1.688	-0.0010	-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	3.762	0.0022	-2.5 to 2.5	Pass
					3.85	1.173	0.0007	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	6.065	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-6.037	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				0	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				30	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	0.229	0.0001	-2.5 to 2.5	Pass
					3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
					4.43	-4.563	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-5.221	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				30	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.217	0.0013	-2.5 to 2.5	Pass

	1747.5	75	0	50	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				20	3.27	2.289	0.0013	-2.5 to 2.5	Pass
					3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	4.43	1.187	0.0007	-2.5 to 2.5	Pass
					3.85	2.346	0.0013	-2.5 to 2.5	Pass
				-20	3.85	2.532	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
				0	3.85	-2.704	-0.0015	-2.5 to 2.5	Pass
				10	3.85	3.905	0.0022	-2.5 to 2.5	Pass
				30	3.85	3.047	0.0017	-2.5 to 2.5	Pass
				40	3.85	3.777	0.0022	-2.5 to 2.5	Pass
				50	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	2.804	0.0016	-2.5 to 2.5	Pass
					3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				-30	4.43	-2.074	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	3.319	0.0019	-2.5 to 2.5	Pass
				-10	3.85	1.817	0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.760	-0.0010	-2.5 to 2.5	Pass
				10	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-5.093	-0.0030	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.536	-0.0032	-2.5 to 2.5	Pass
					3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				-30	4.43	-7.381	-0.0043	-2.5 to 2.5	Pass
					3.85	0.758	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				30	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-1.960	-0.0011	-2.5 to 2.5	Pass
					3.85	3.533	0.0020	-2.5 to 2.5	Pass
				-30	4.43	-0.658	-0.0004	-2.5 to 2.5	Pass
					3.85	-4.621	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.622	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	6.695	0.0038	-2.5 to 2.5	Pass
				0	3.85	4.635	0.0027	-2.5 to 2.5	Pass
				10	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				30	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				40	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-3.576	-0.0021	-2.5 to 2.5	Pass
					3.85	1.788	0.0010	-2.5 to 2.5	Pass
				-30	4.43	-6.895	-0.0040	-2.5 to 2.5	Pass
					3.85	1.245	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0000	-2.5 to 2.5	Pass

				-10	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				0	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
				30	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				40	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-11.559	-0.0067	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-3.204	-0.0018	-2.5 to 2.5	Pass
					3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
					4.43	4.420	0.0026	-2.5 to 2.5	Pass
				-30	3.85	5.579	0.0032	-2.5 to 2.5	Pass
				-20	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				0	3.85	-6.223	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				50	3.85	1.330	0.0008	-2.5 to 2.5	Pass
				20	3.27	2.260	0.0013	-2.5 to 2.5	Pass
					3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
	1745	100	0	-30	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	2.174	0.0012	-2.5 to 2.5	Pass
				0	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				10	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				30	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				50	3.85	5.393	0.0031	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-8.039	-0.0047	-2.5 to 2.5	Pass
					3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
					4.43	-2.418	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-7.124	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				40	3.85	5.178	0.0030	-2.5 to 2.5	Pass
				50	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.000	0.0000	-2.5 to 2.5	Pass
					3.85	-2.632	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.960	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				30	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				40	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	2.503	0.0014	-2.5 to 2.5	Pass
					3.85	0.401	0.0002	-2.5 to 2.5	Pass
					4.43	-4.034	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.358	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.159	-0.0007	-2.5 to 2.5	Pass
				10	3.85	4.206	0.0024	-2.5 to 2.5	Pass

				30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTVN						
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 / 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 / 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

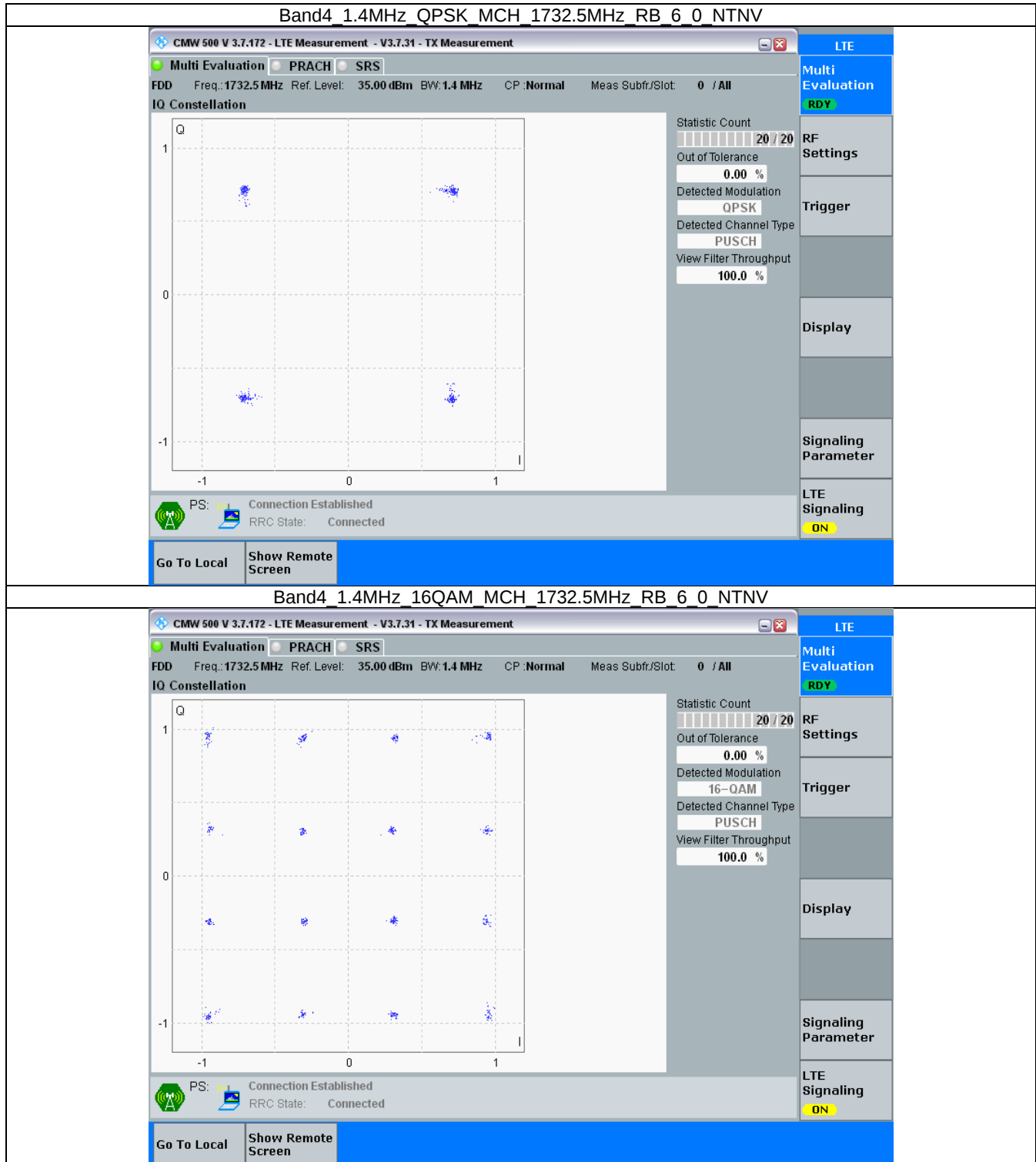
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

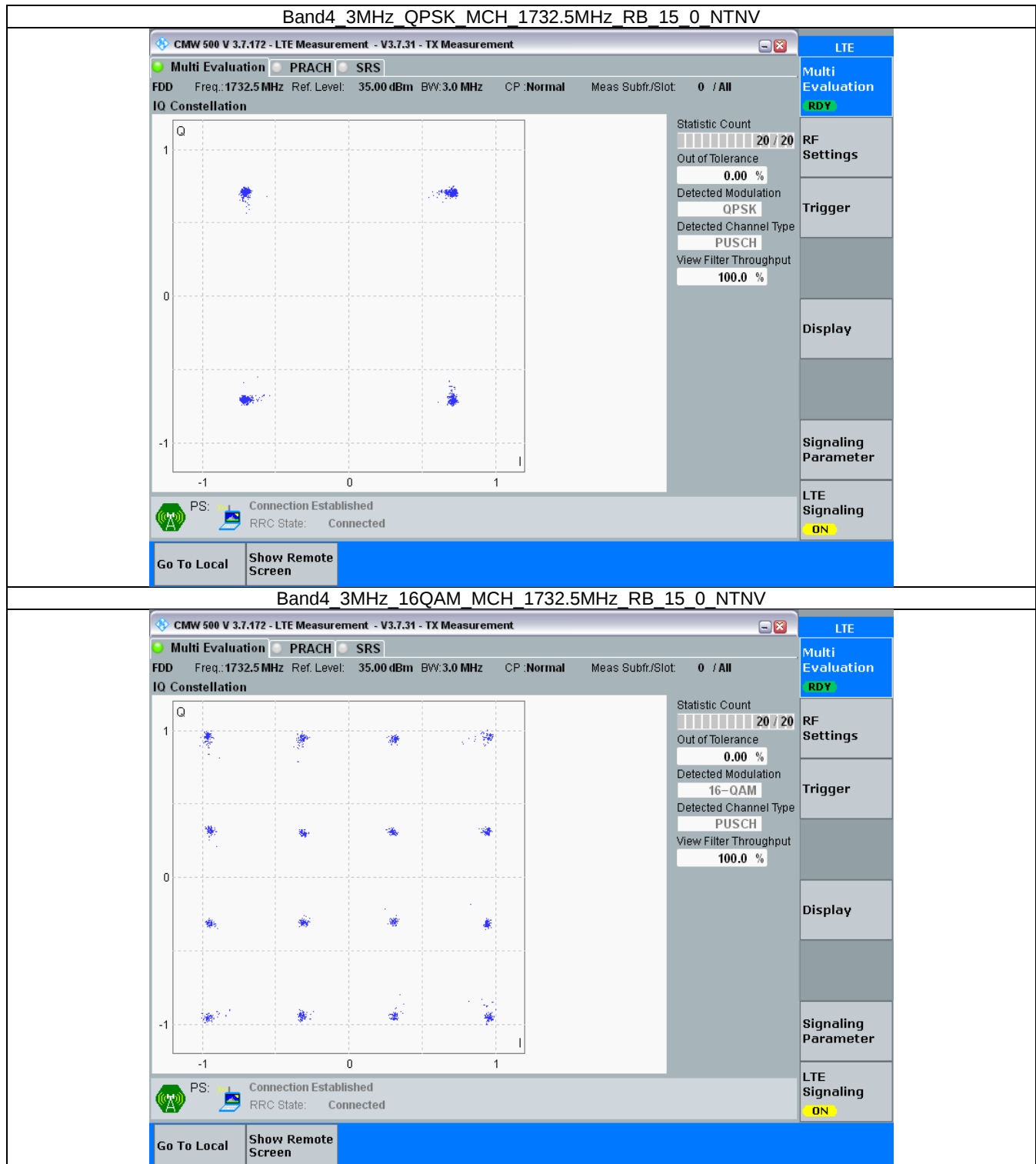
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

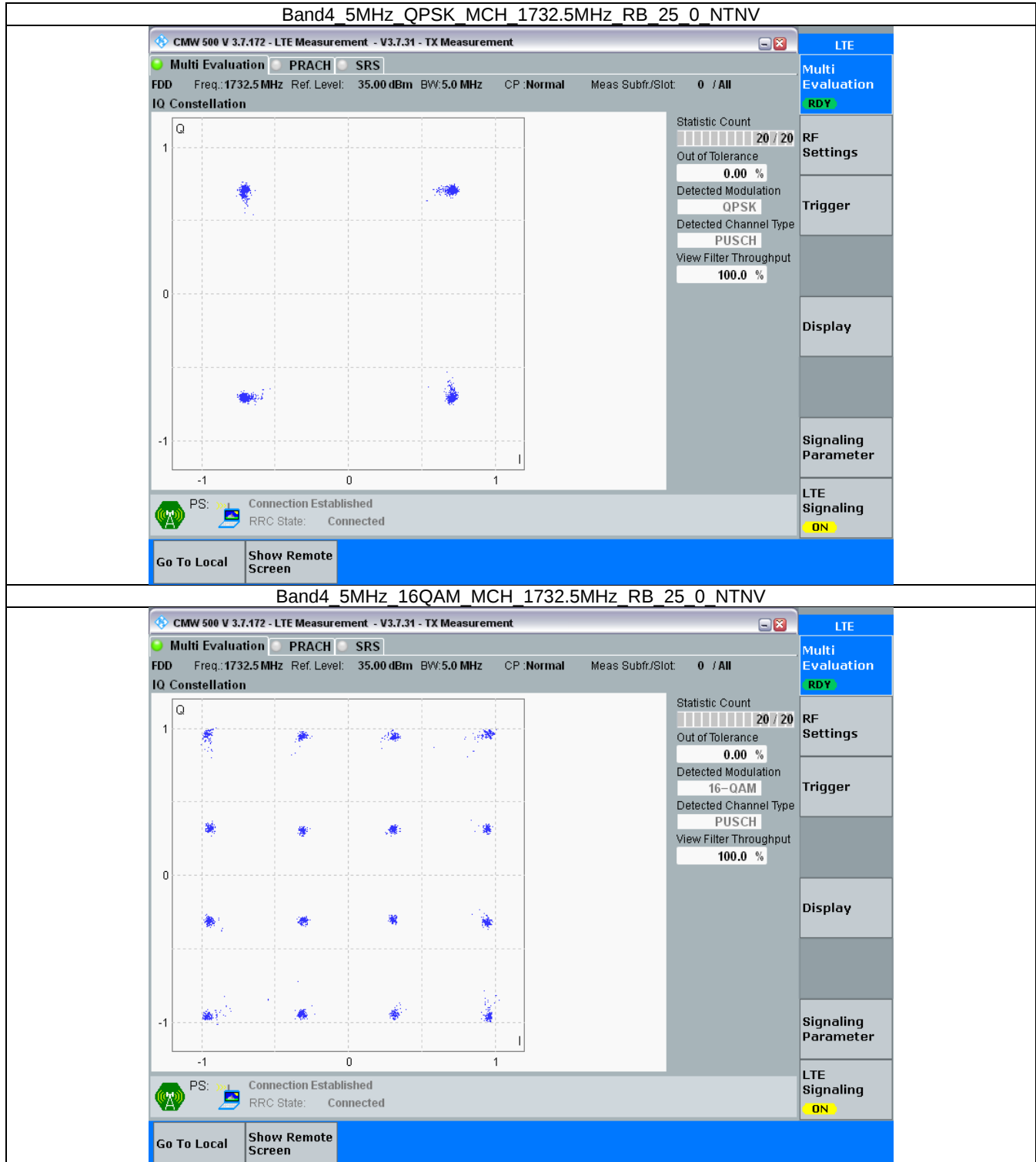
3.2.1 B4_1.4MHz



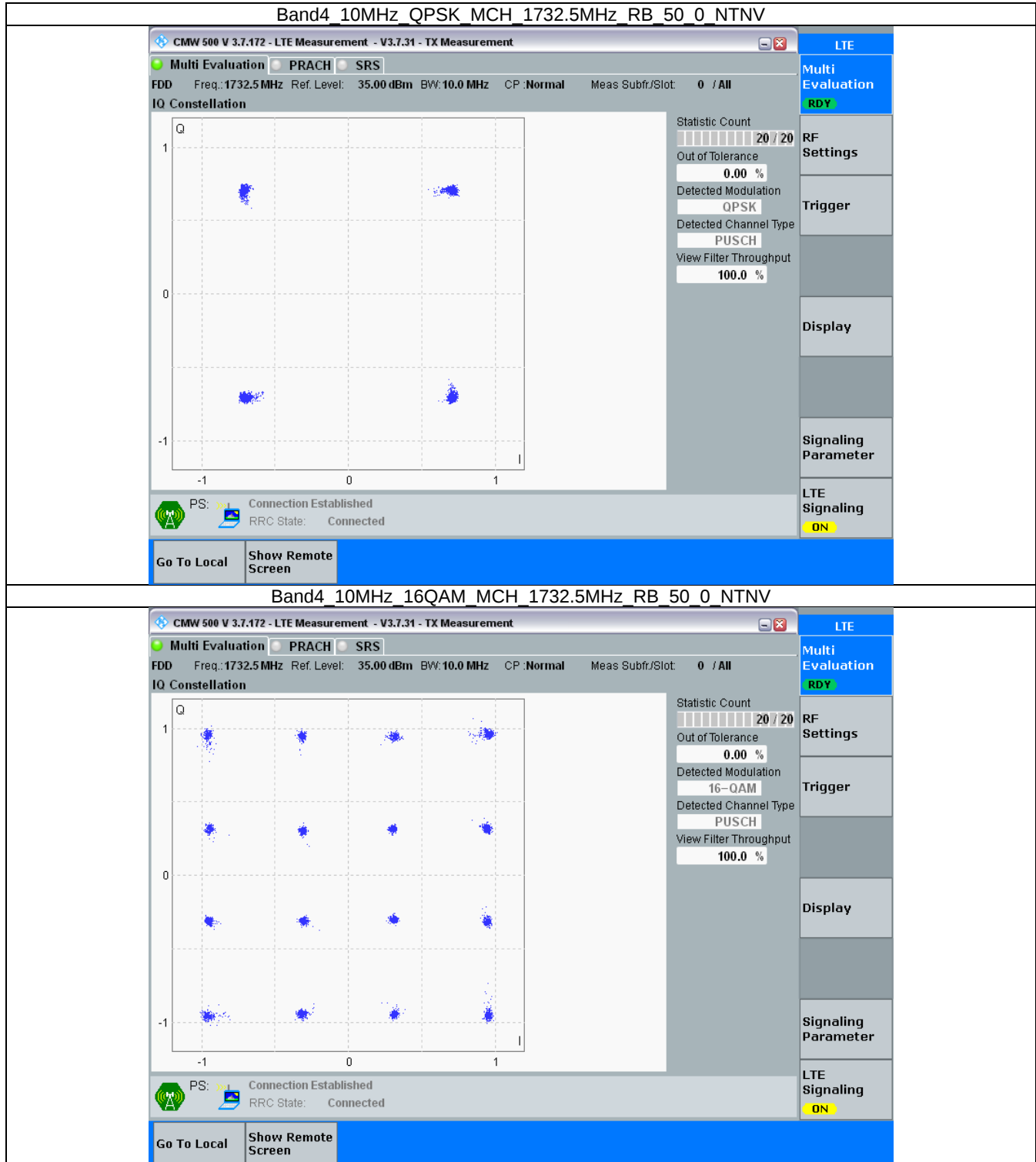
3.2.2 B4_3MHz



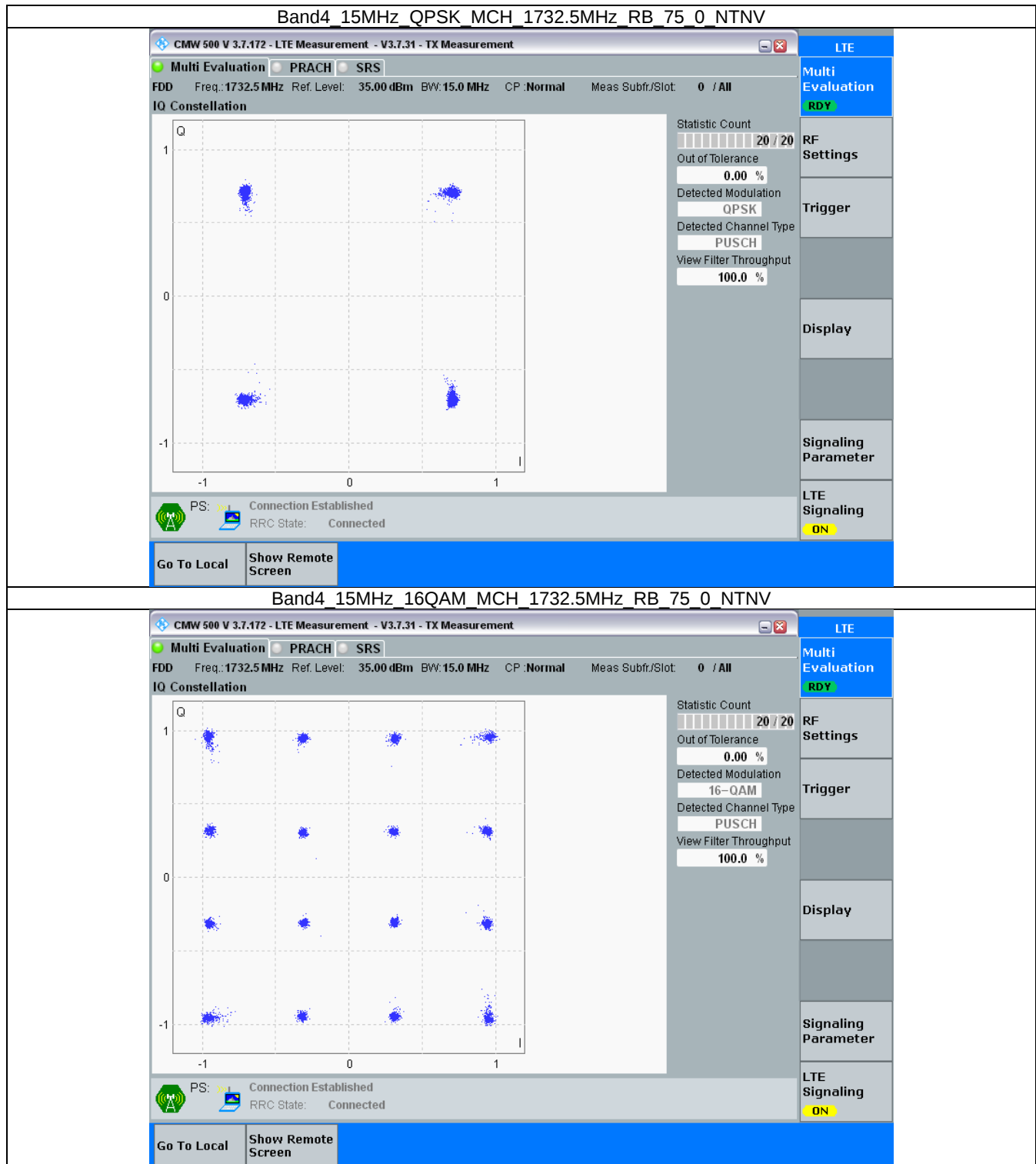
3.2.3 B4_5MHz



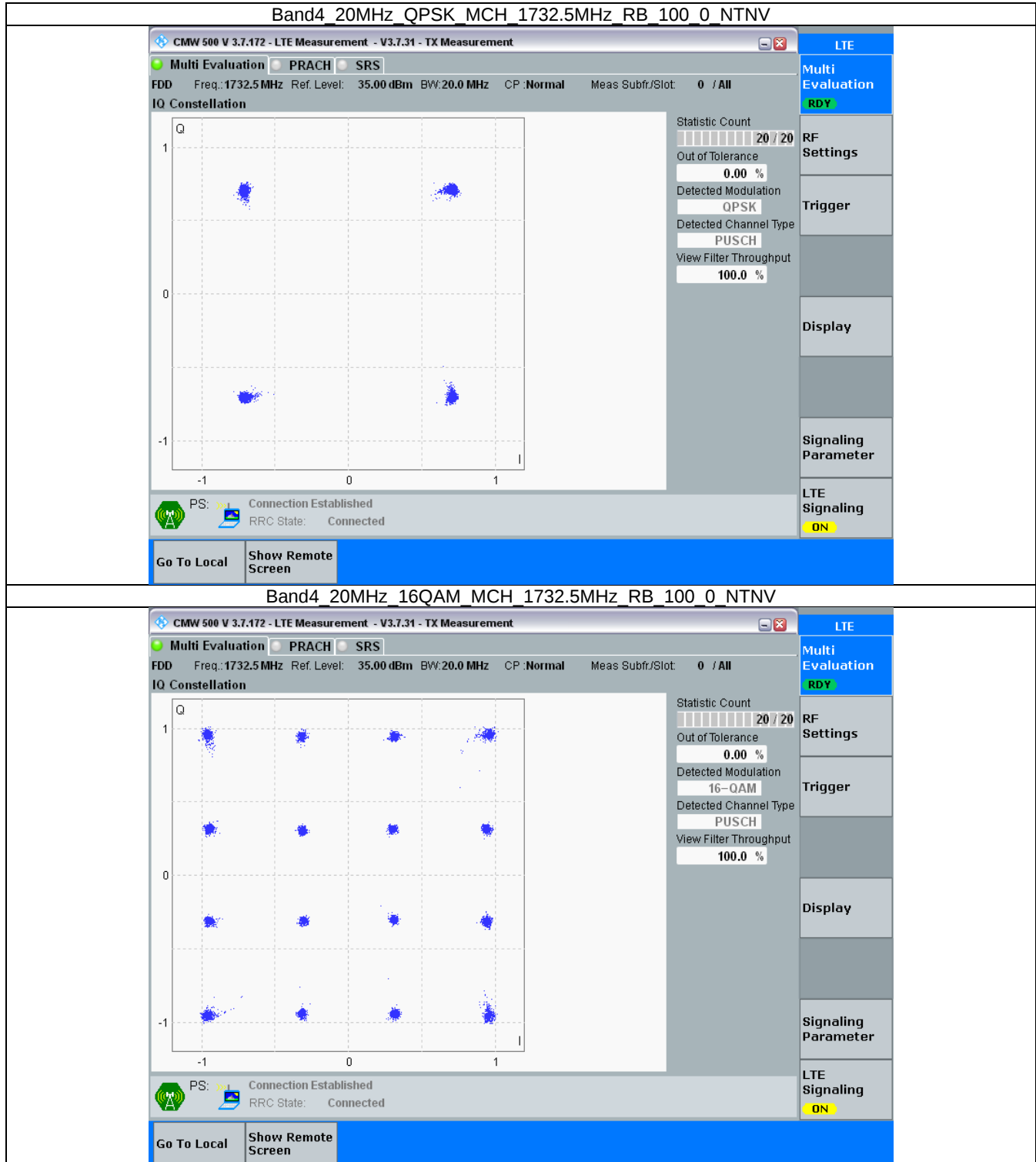
3.2.4 B4_10MHz



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	1.120	/	Pass
		1732.5	6	0	1.112	/	Pass
		1754.3	6	0	1.113	/	Pass
	16QAM	1710.7	6	0	1.114	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.117	/	Pass
3	QPSK	1711.5	15	0	2.728	/	Pass
		1732.5	15	0	2.737	/	Pass
		1753.5	15	0	2.737	/	Pass
	16QAM	1711.5	15	0	2.730	/	Pass
		1732.5	15	0	2.724	/	Pass
		1753.5	15	0	2.732	/	Pass
5	QPSK	1712.5	25	0	4.548	/	Pass
		1732.5	25	0	4.550	/	Pass
		1752.5	25	0	4.561	/	Pass
	16QAM	1712.5	25	0	4.569	/	Pass
		1732.5	25	0	4.566	/	Pass
		1752.5	25	0	4.535	/	Pass
10	QPSK	1715	50	0	9.048	/	Pass
		1732.5	50	0	9.057	/	Pass
		1750	50	0	9.027	/	Pass
	16QAM	1715	50	0	9.052	/	Pass
		1732.5	50	0	9.049	/	Pass
		1750	50	0	9.062	/	Pass
15	QPSK	1717.5	75	0	13.559	/	Pass
		1732.5	75	0	13.597	/	Pass
		1747.5	75	0	13.583	/	Pass
	16QAM	1717.5	75	0	13.582	/	Pass
		1732.5	75	0	13.590	/	Pass
		1747.5	75	0	13.627	/	Pass
20	QPSK	1720	100	0	18.054	/	Pass
		1732.5	100	0	18.098	/	Pass
		1745	100	0	18.097	/	Pass
	16QAM	1720	100	0	18.141	/	Pass
		1732.5	100	0	18.139	/	Pass
		1745	100	0	18.134	/	Pass

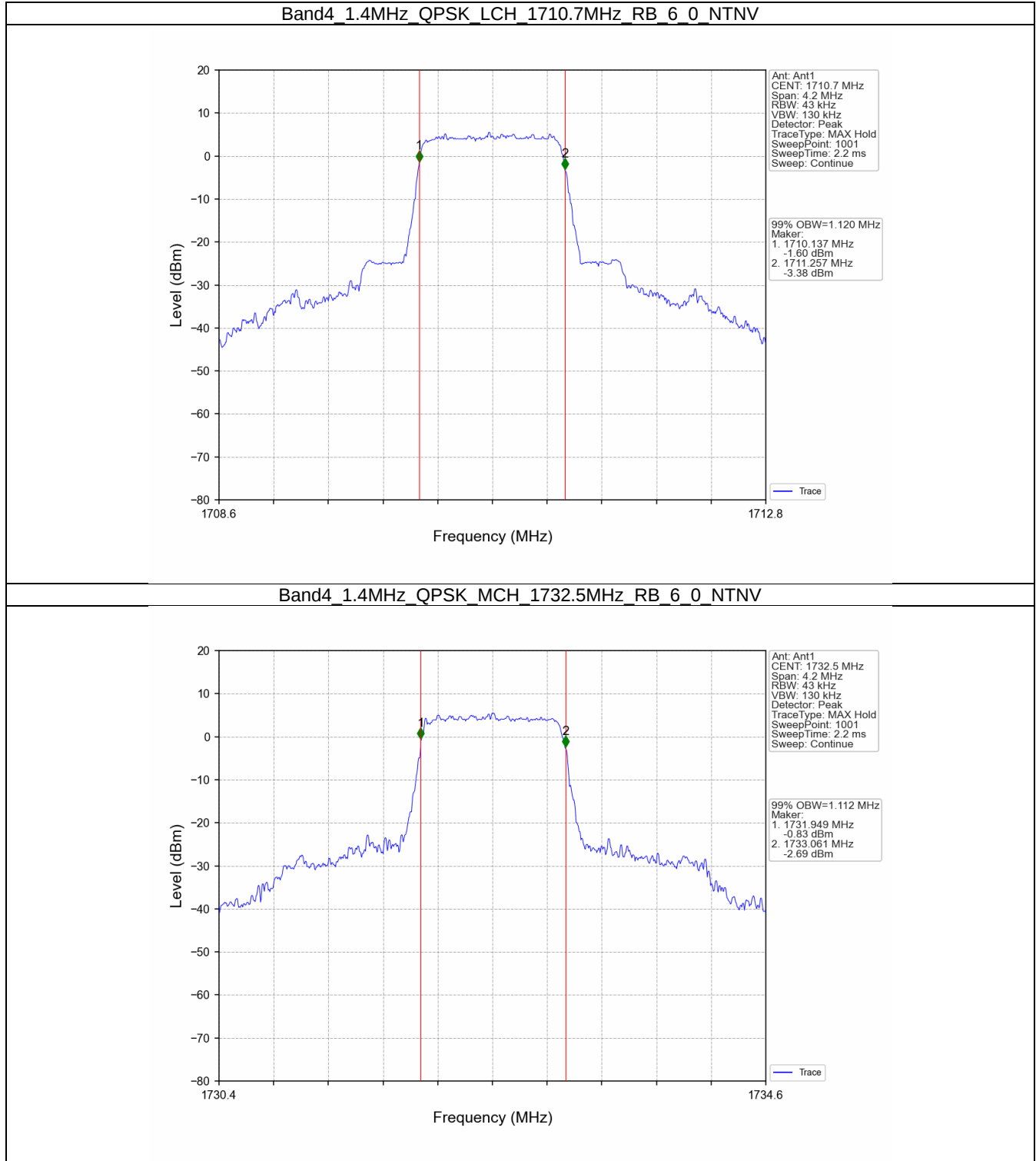
4.1.2 Band4_XDB

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	1.304	/	Pass

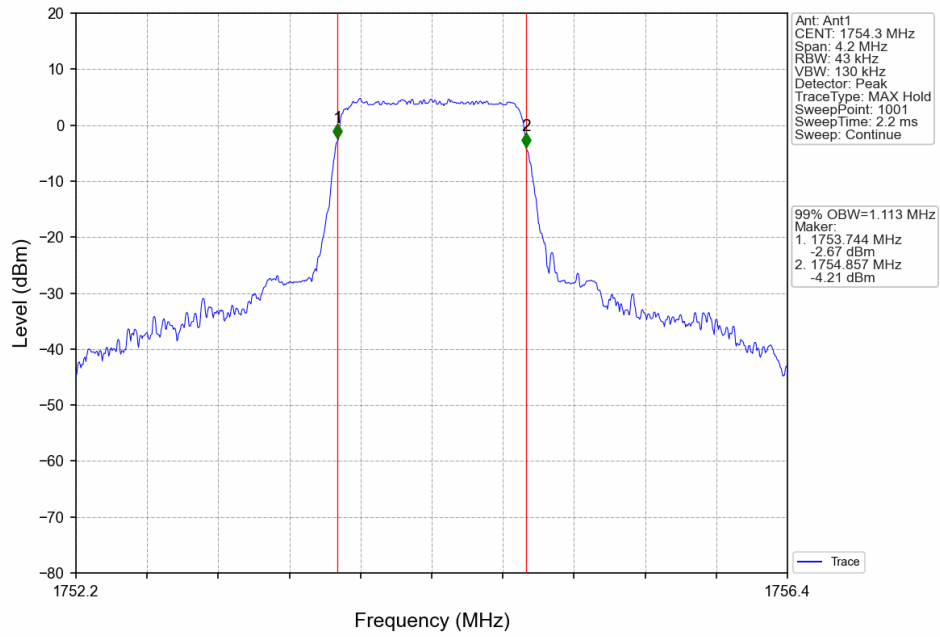
	16QAM	1732.5	6	0	1.307	/	Pass
		1754.3	6	0	1.318	/	Pass
		1710.7	6	0	1.314	/	Pass
		1732.5	6	0	1.292	/	Pass
		1754.3	6	0	1.334	/	Pass
3	QPSK	1711.5	15	0	3.054	/	Pass
		1732.5	15	0	3.044	/	Pass
		1753.5	15	0	3.031	/	Pass
	16QAM	1711.5	15	0	3.019	/	Pass
		1732.5	15	0	3.050	/	Pass
		1753.5	15	0	3.031	/	Pass
5	QPSK	1712.5	25	0	5.001	/	Pass
		1732.5	25	0	4.983	/	Pass
		1752.5	25	0	4.979	/	Pass
	16QAM	1712.5	25	0	4.982	/	Pass
		1732.5	25	0	4.994	/	Pass
		1752.5	25	0	4.971	/	Pass
10	QPSK	1715	50	0	9.921	/	Pass
		1732.5	50	0	9.896	/	Pass
		1750	50	0	9.904	/	Pass
	16QAM	1715	50	0	9.922	/	Pass
		1732.5	50	0	9.832	/	Pass
		1750	50	0	9.871	/	Pass
15	QPSK	1717.5	75	0	14.827	/	Pass
		1732.5	75	0	14.829	/	Pass
		1747.5	75	0	14.890	/	Pass
	16QAM	1717.5	75	0	14.853	/	Pass
		1732.5	75	0	14.928	/	Pass
		1747.5	75	0	14.903	/	Pass
20	QPSK	1720	100	0	19.651	/	Pass
		1732.5	100	0	19.686	/	Pass
		1745	100	0	19.680	/	Pass
	16QAM	1720	100	0	19.679	/	Pass
		1732.5	100	0	19.760	/	Pass
		1745	100	0	19.716	/	Pass

4.2 Test Graph

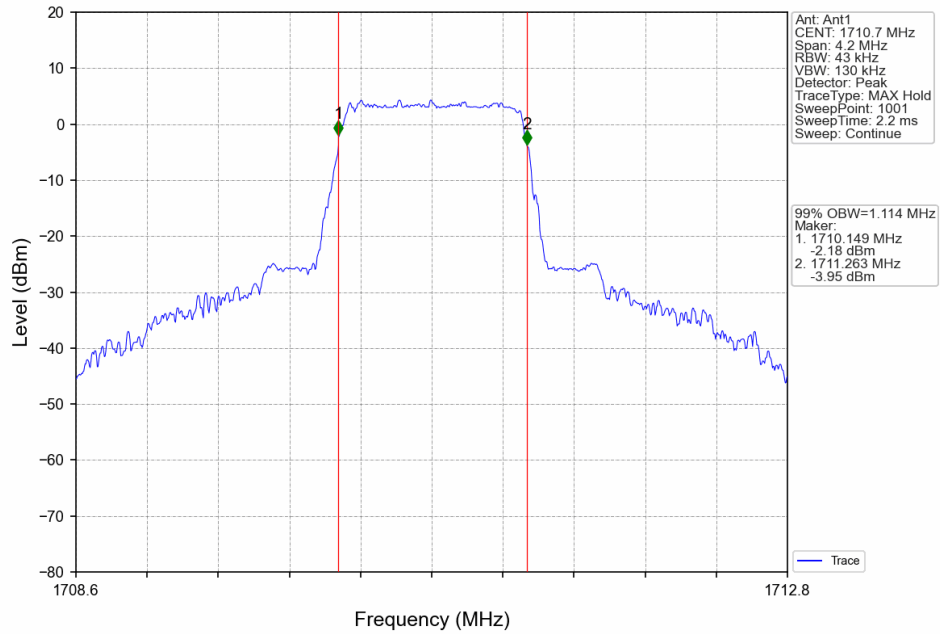
4.2.1 Band4_OBW



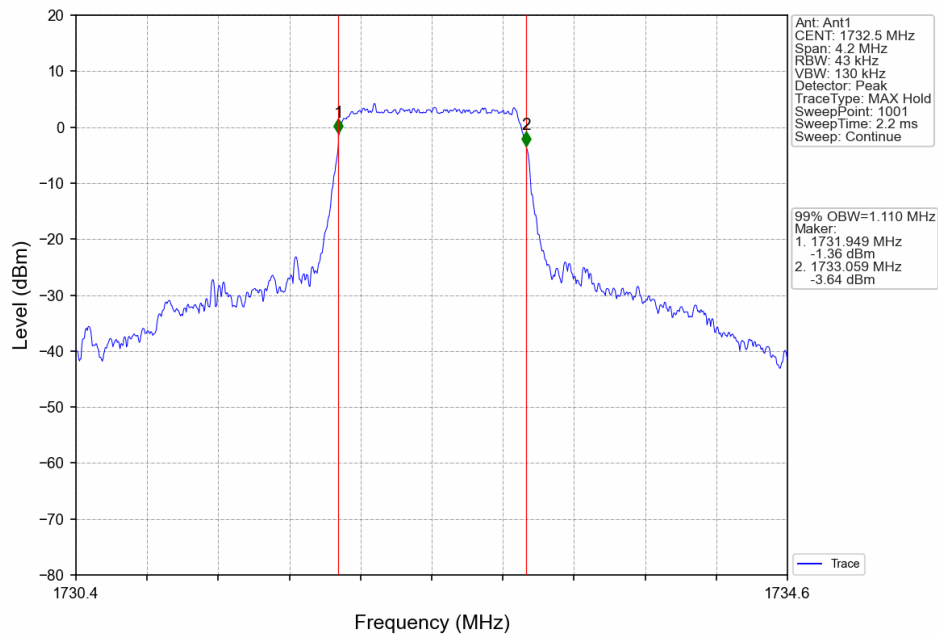
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



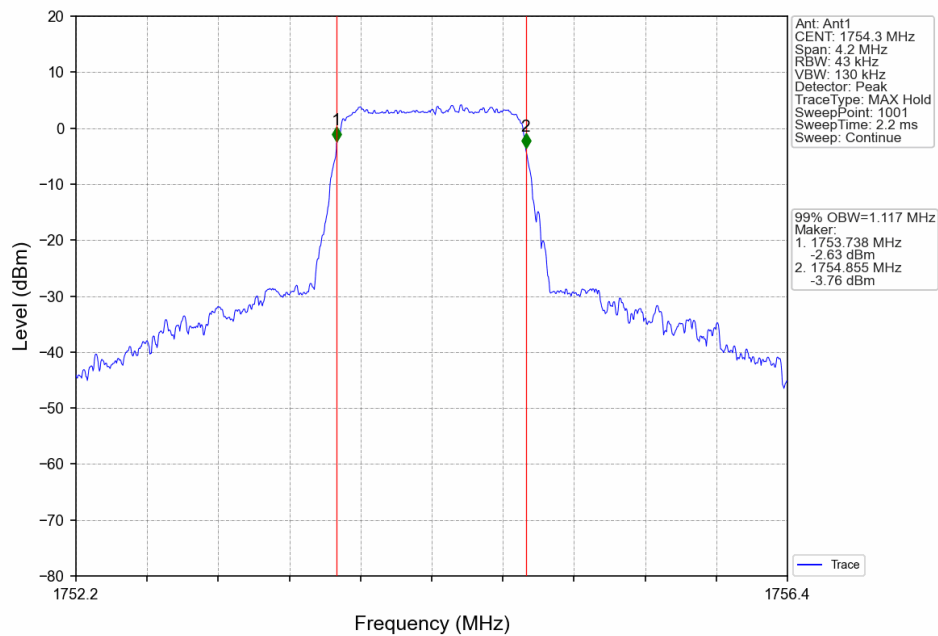
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



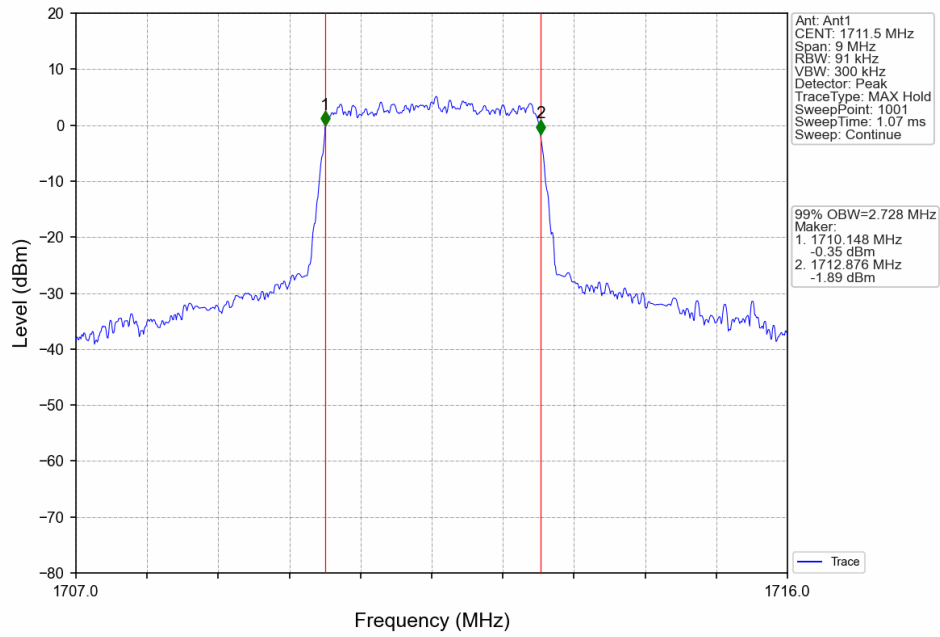
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



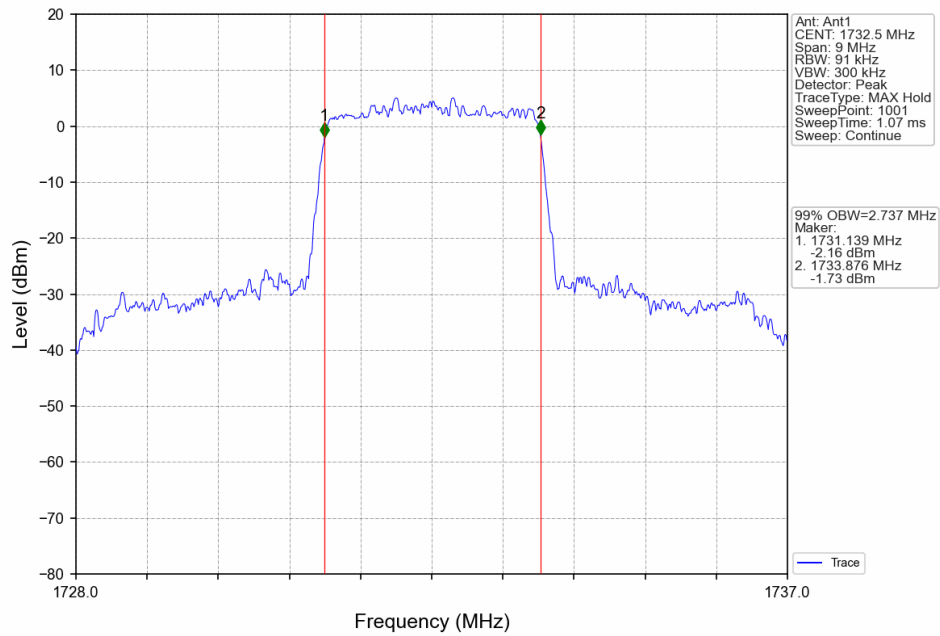
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



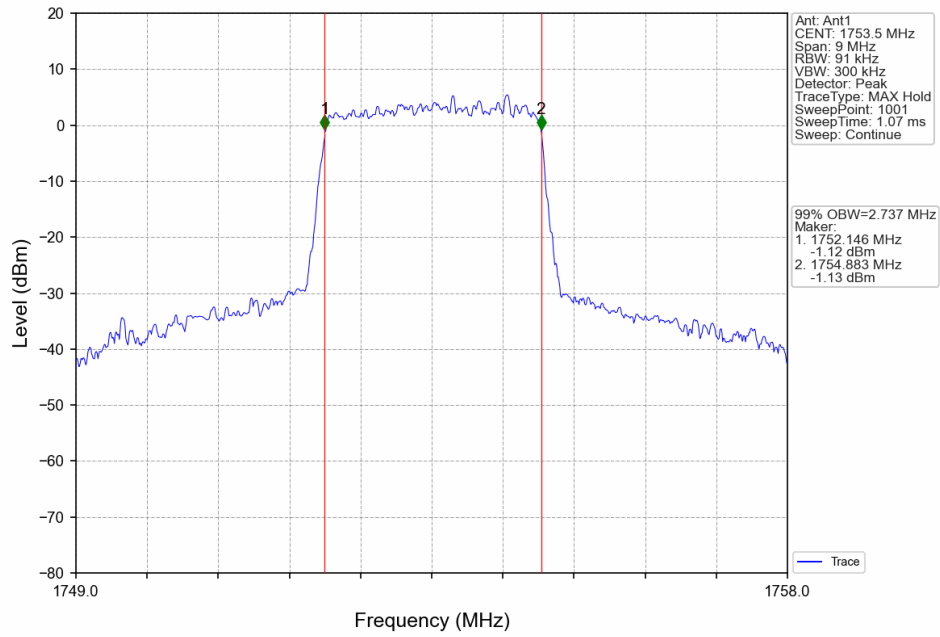
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



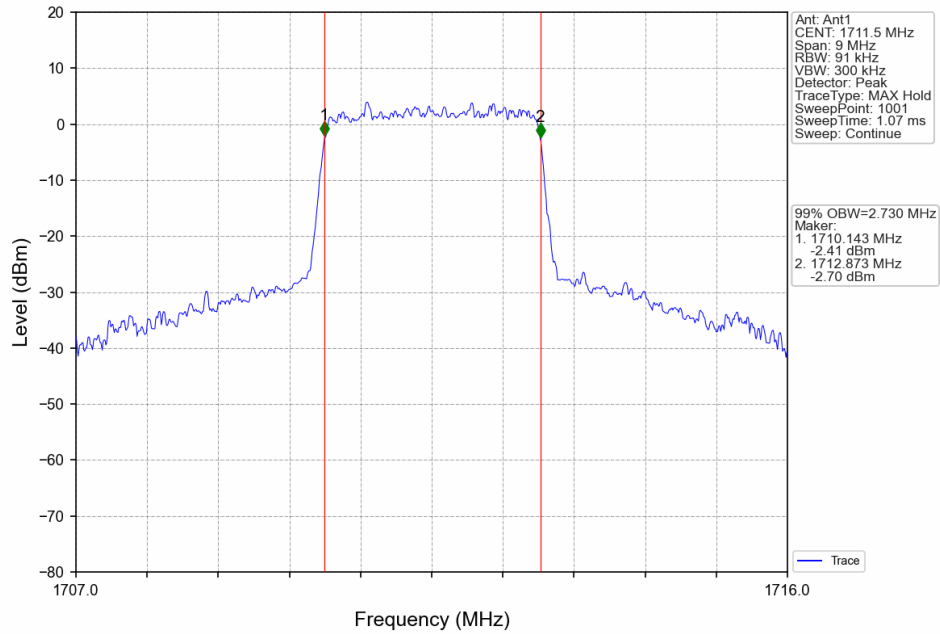
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



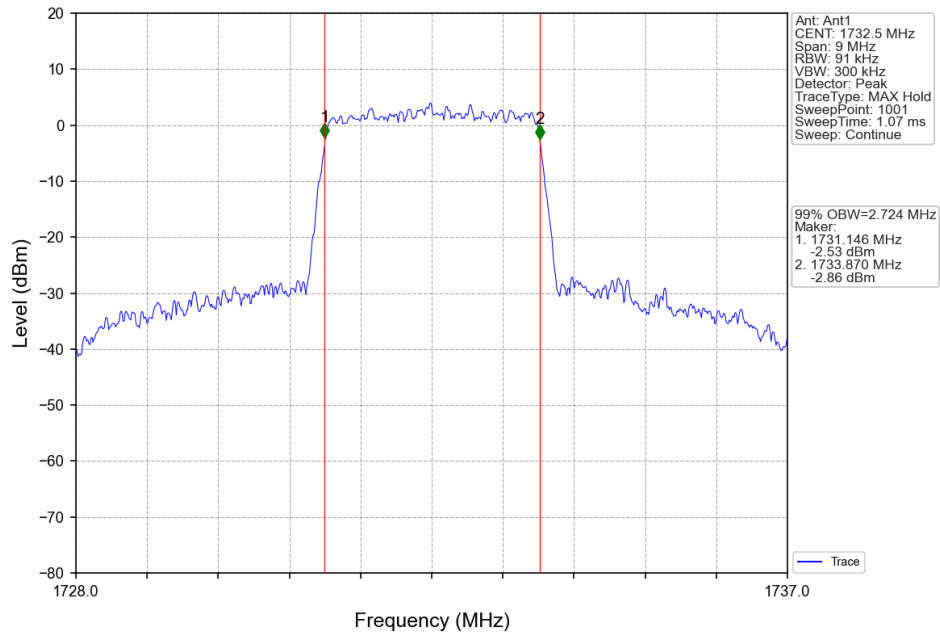
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



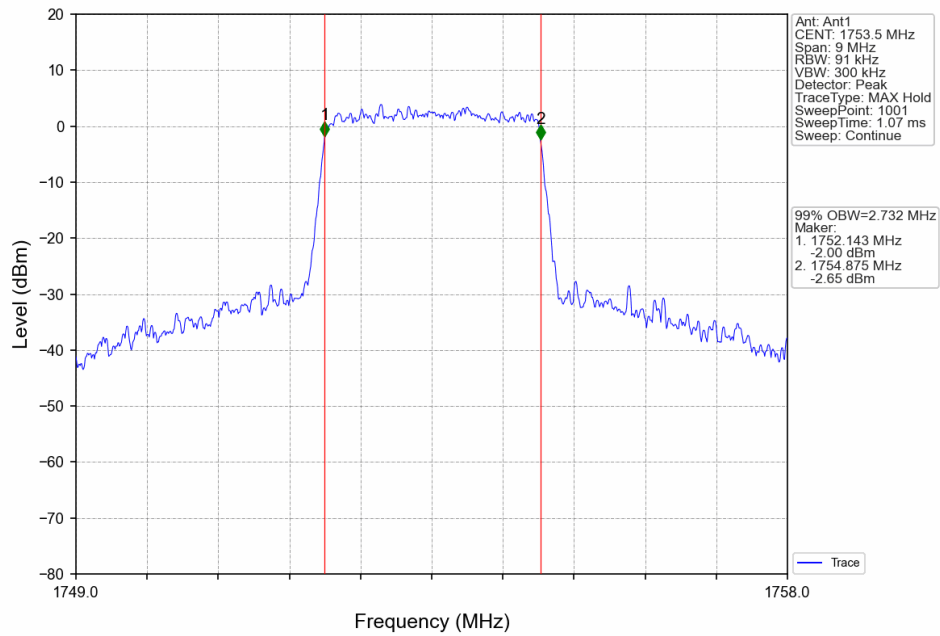
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



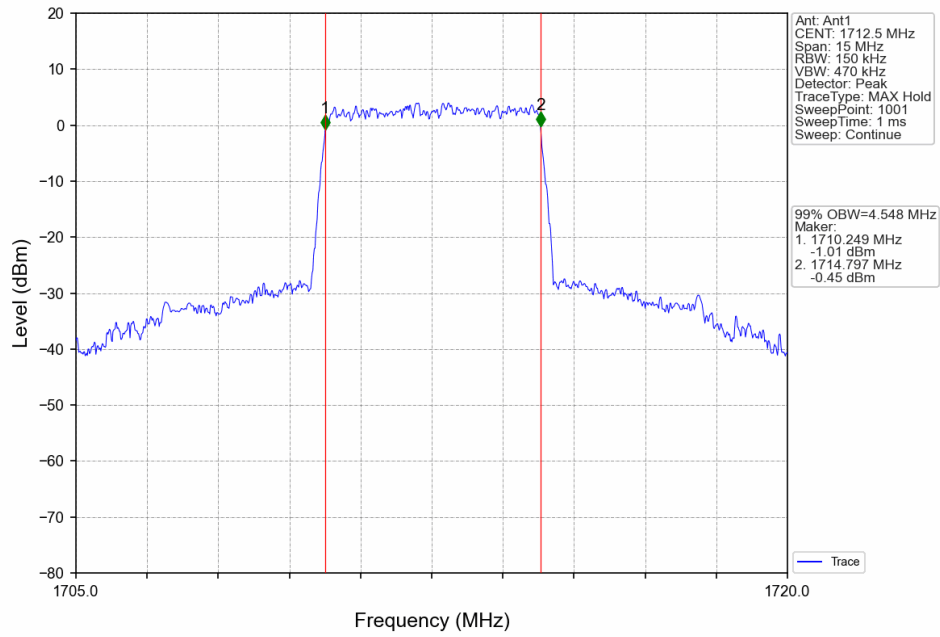
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



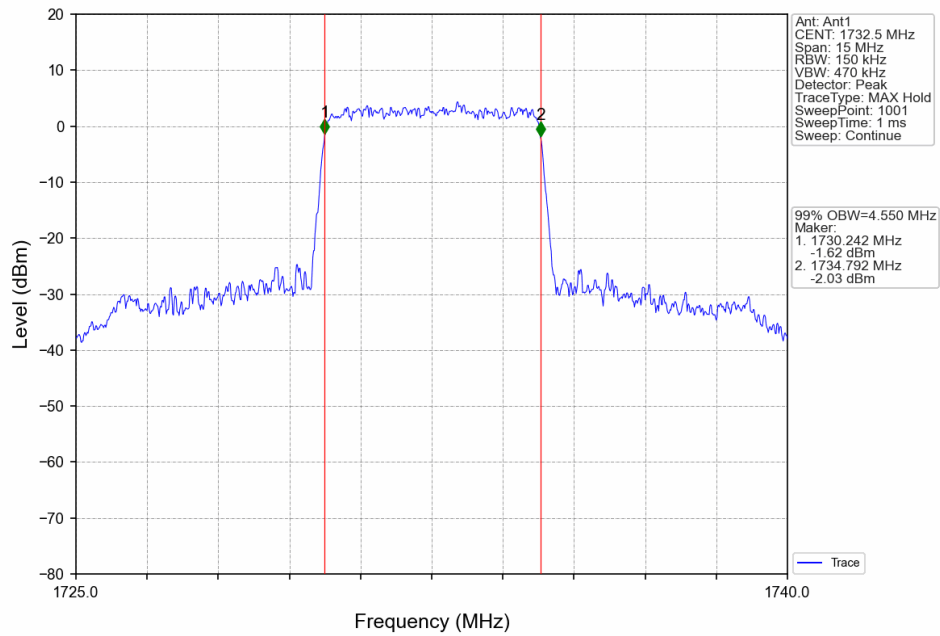
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



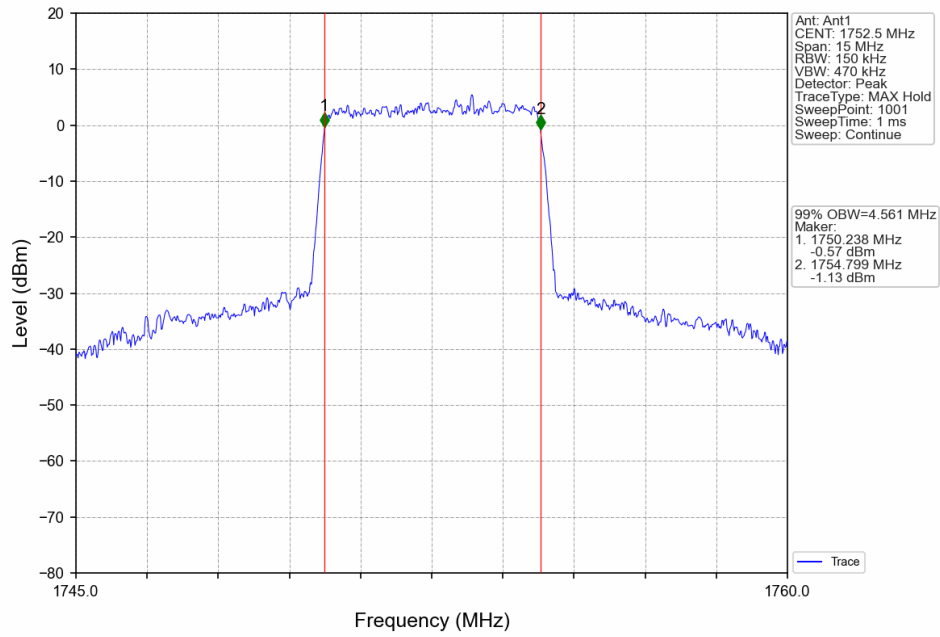
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



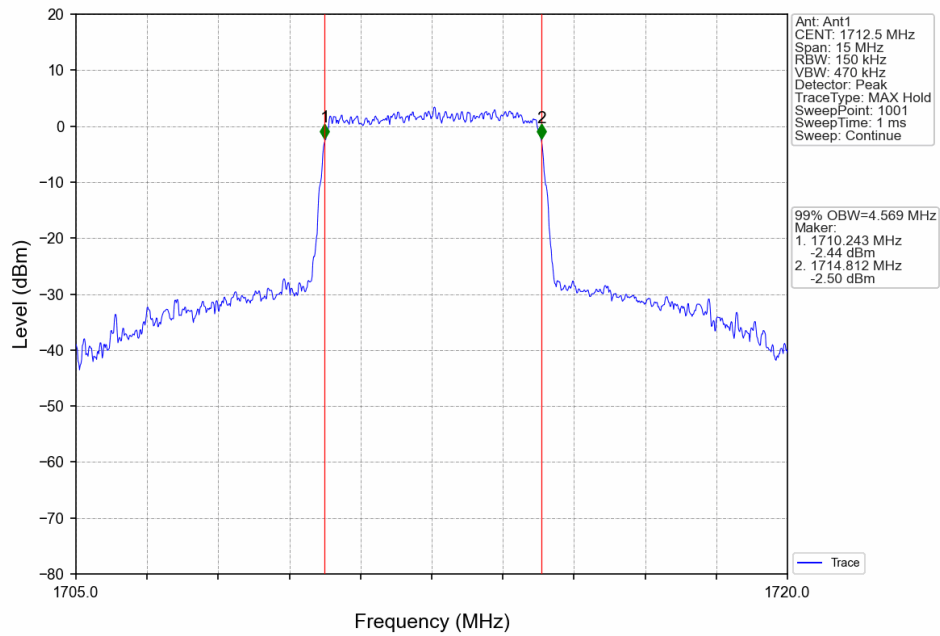
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



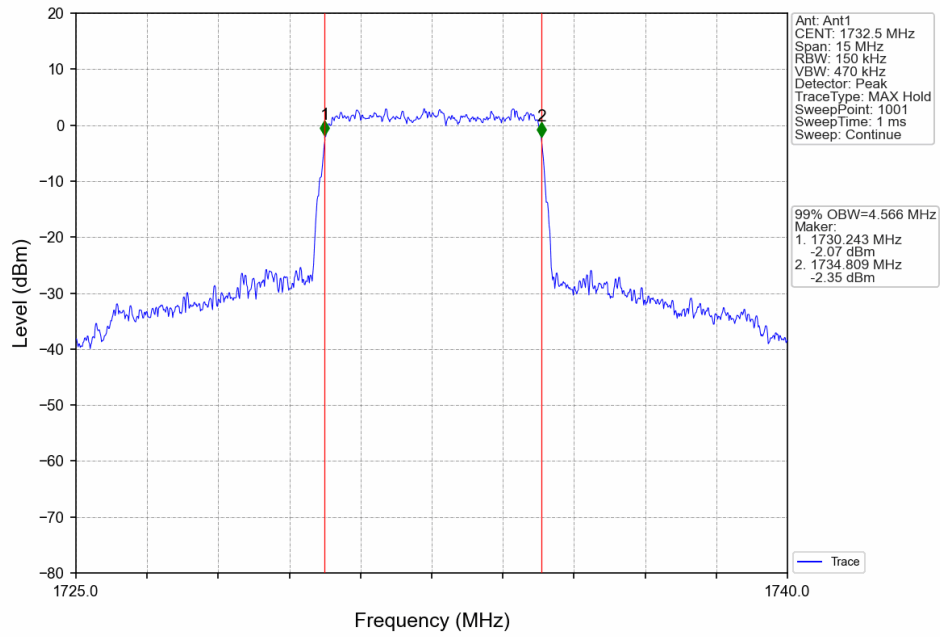
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



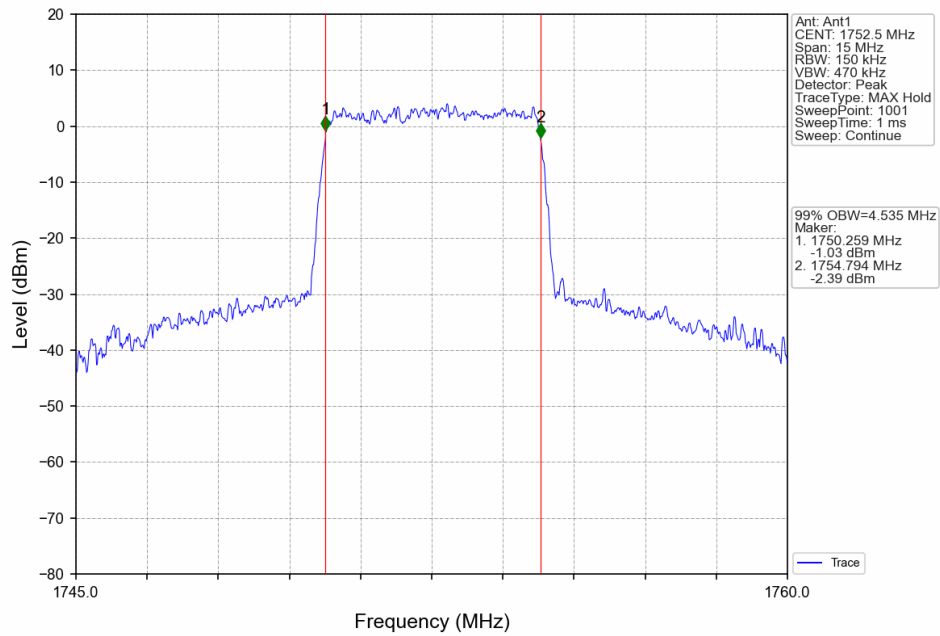
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



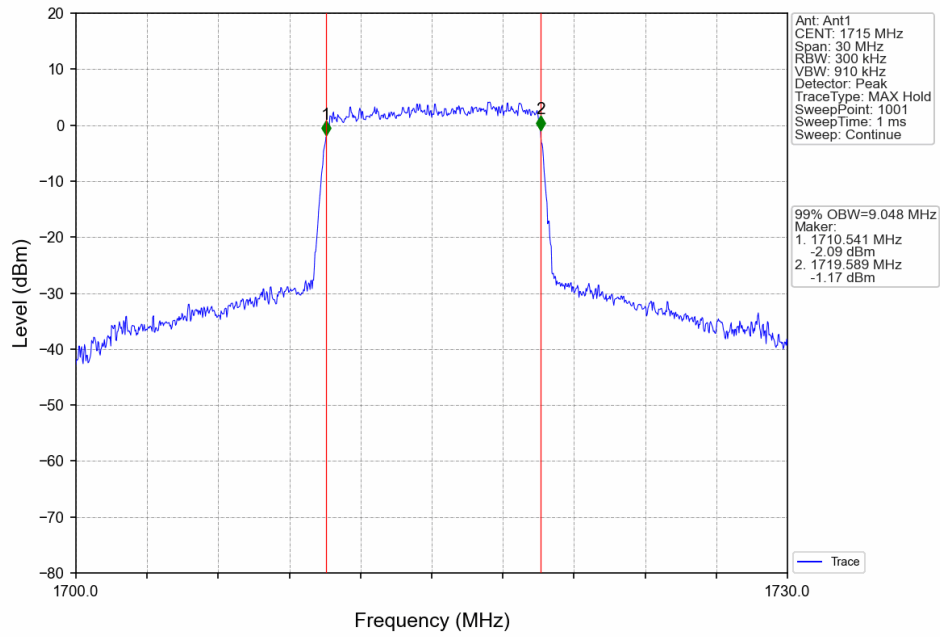
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



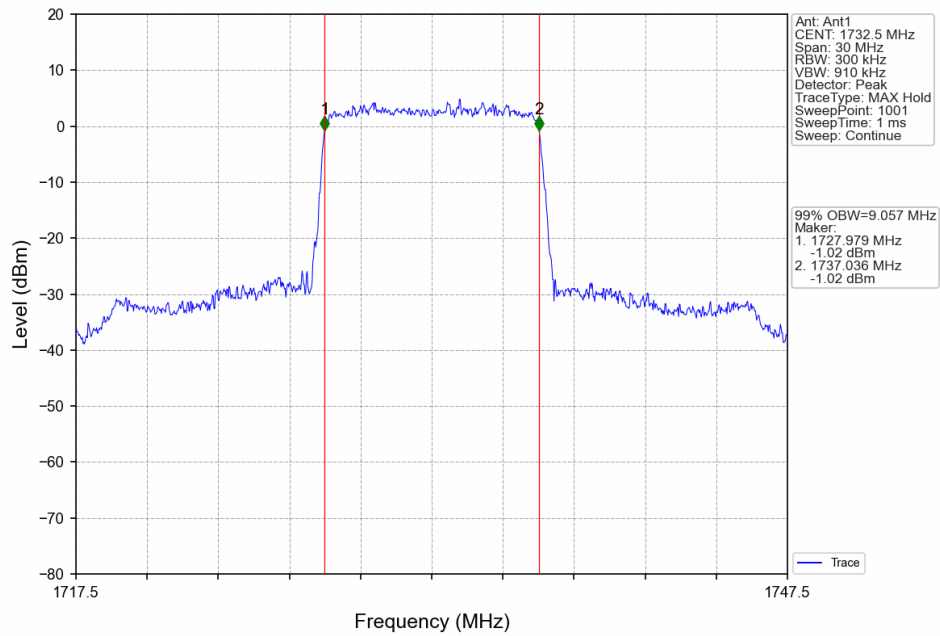
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

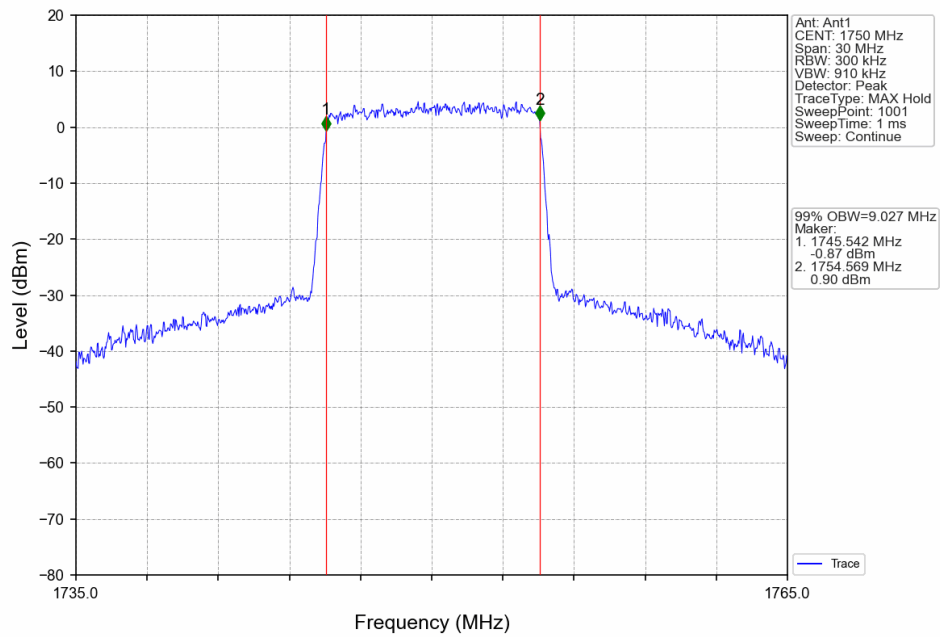


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

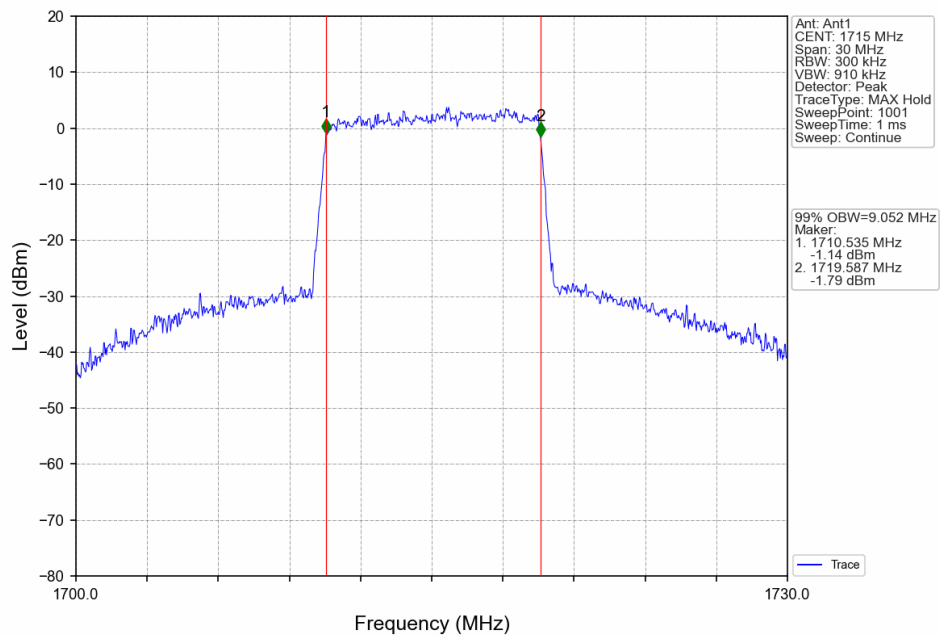




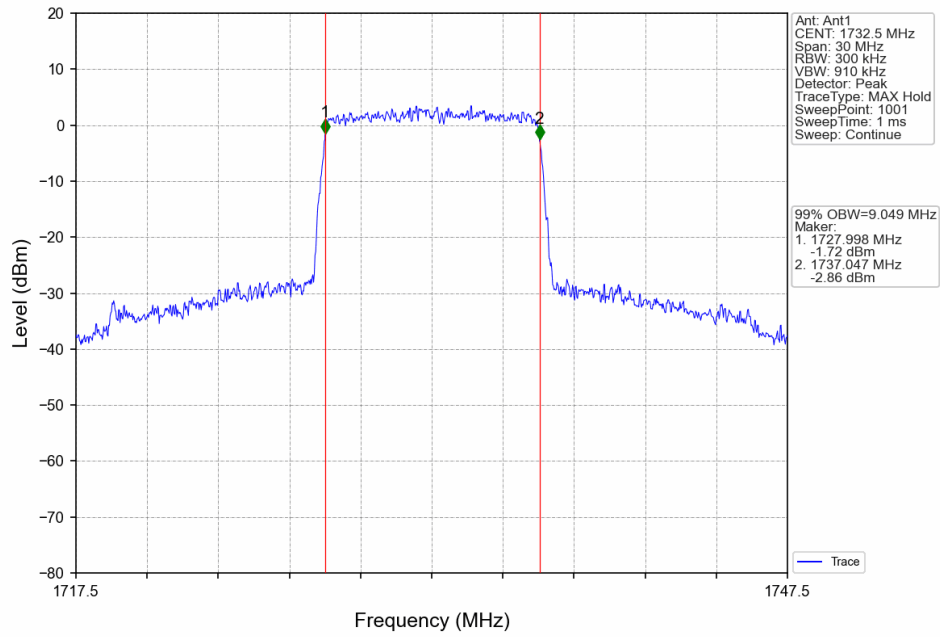
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



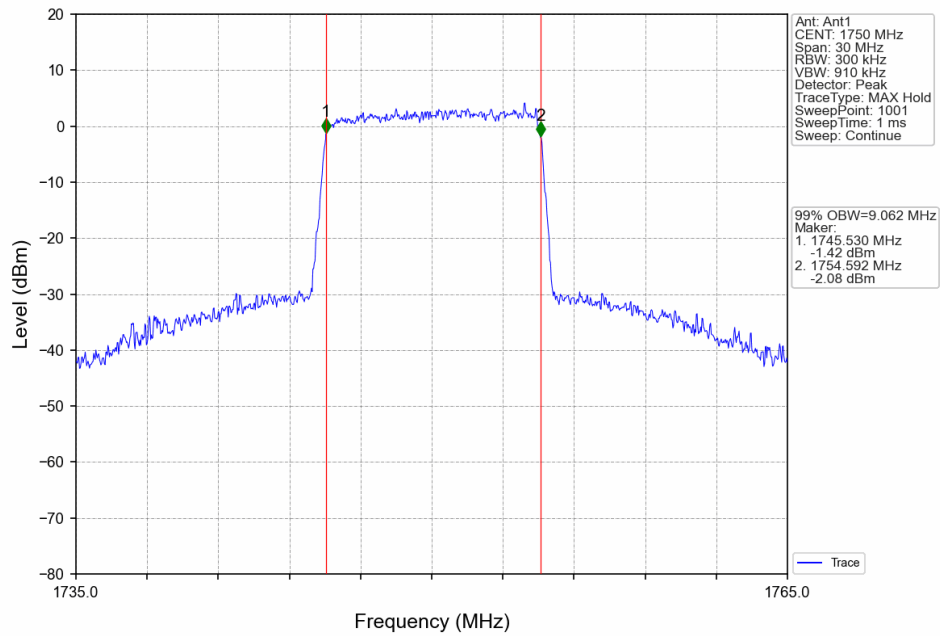
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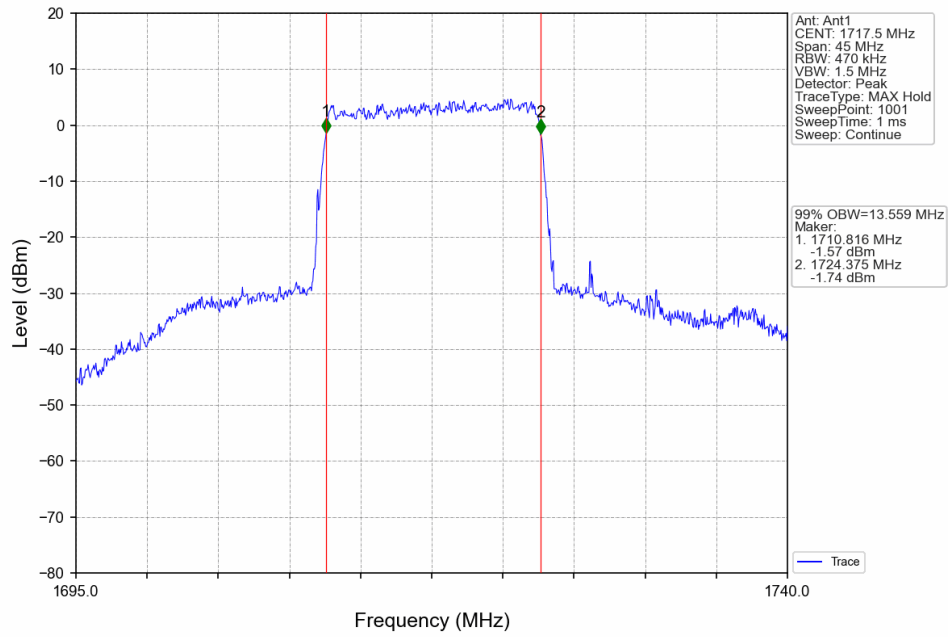
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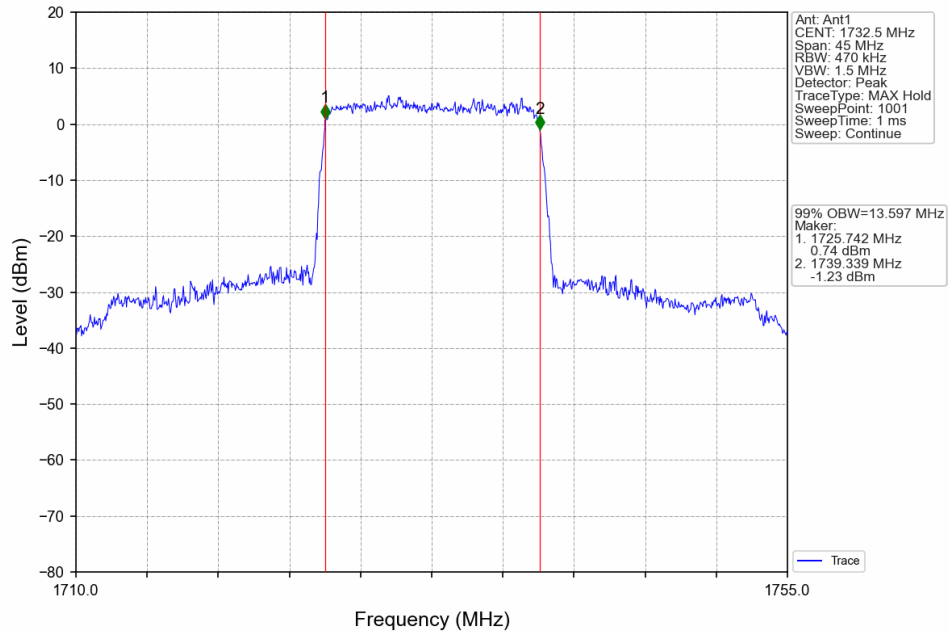
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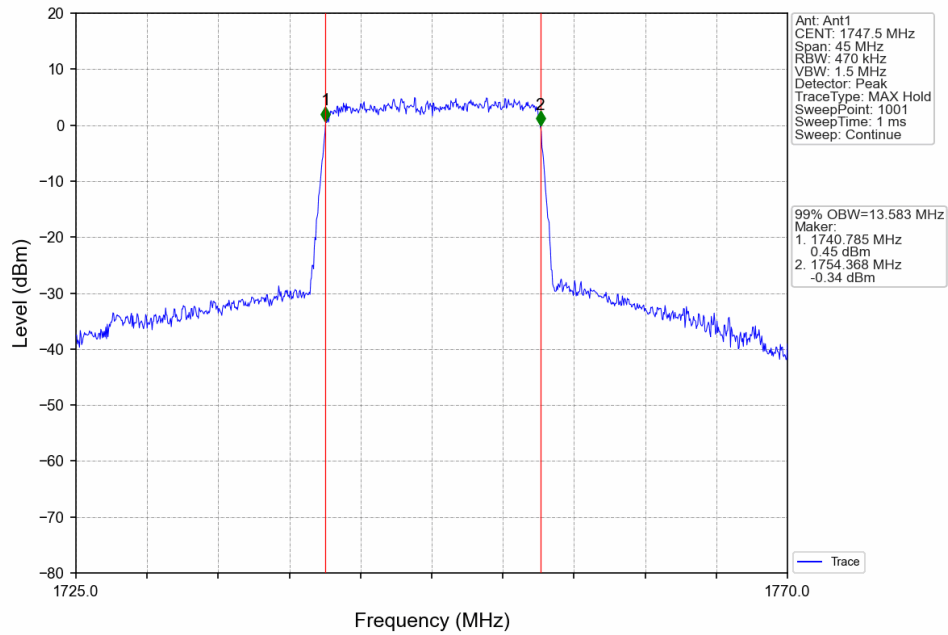
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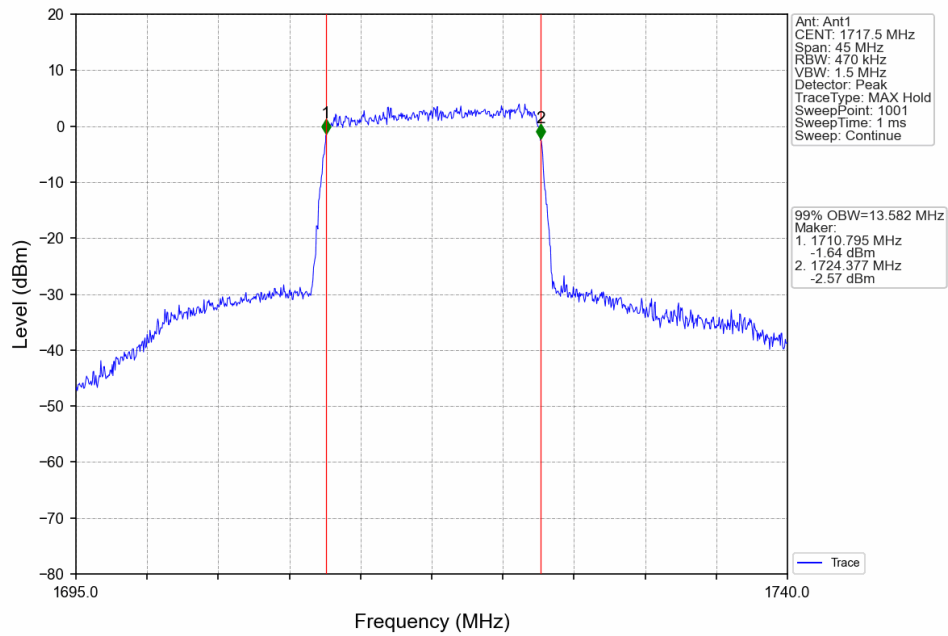
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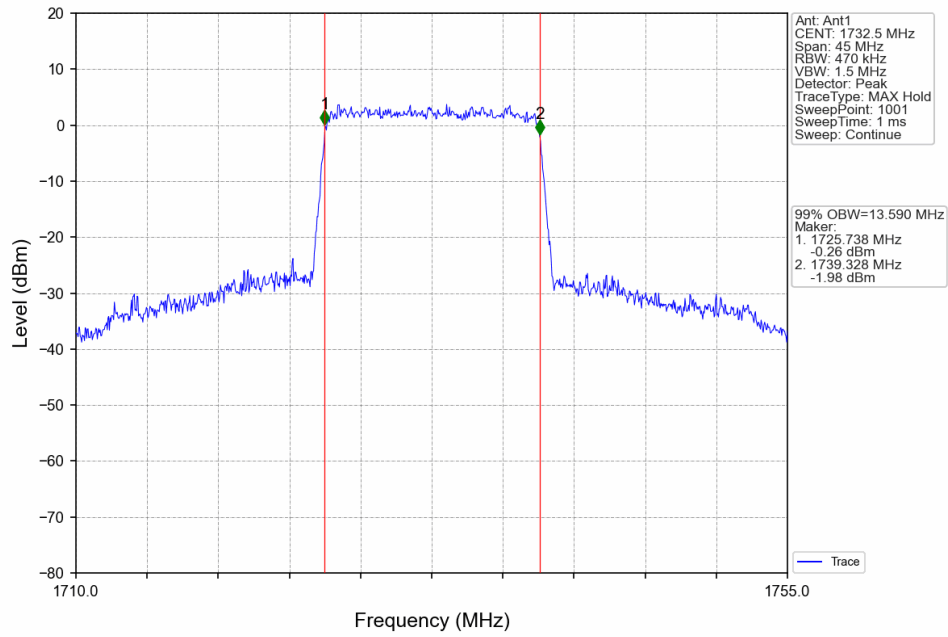
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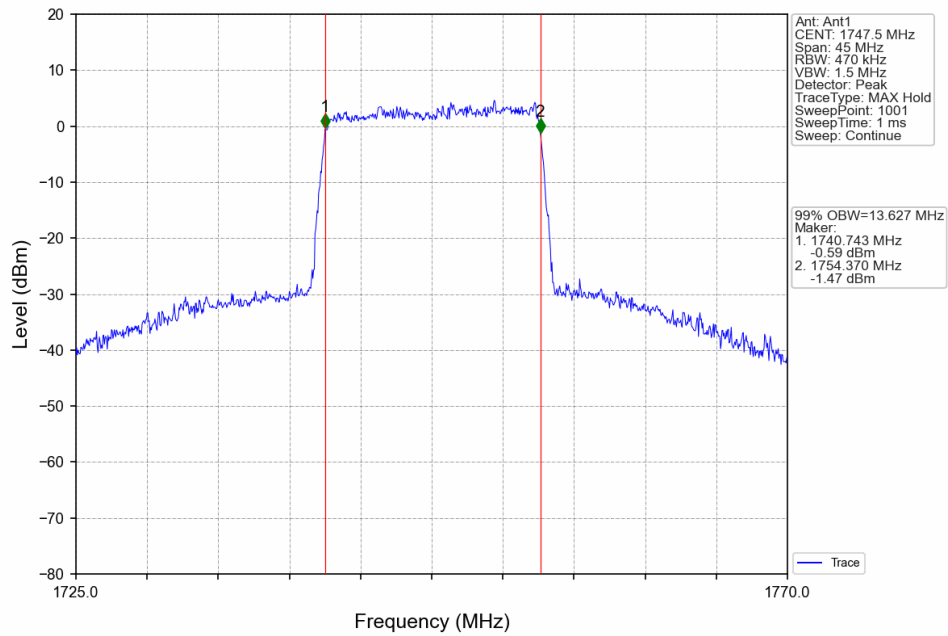
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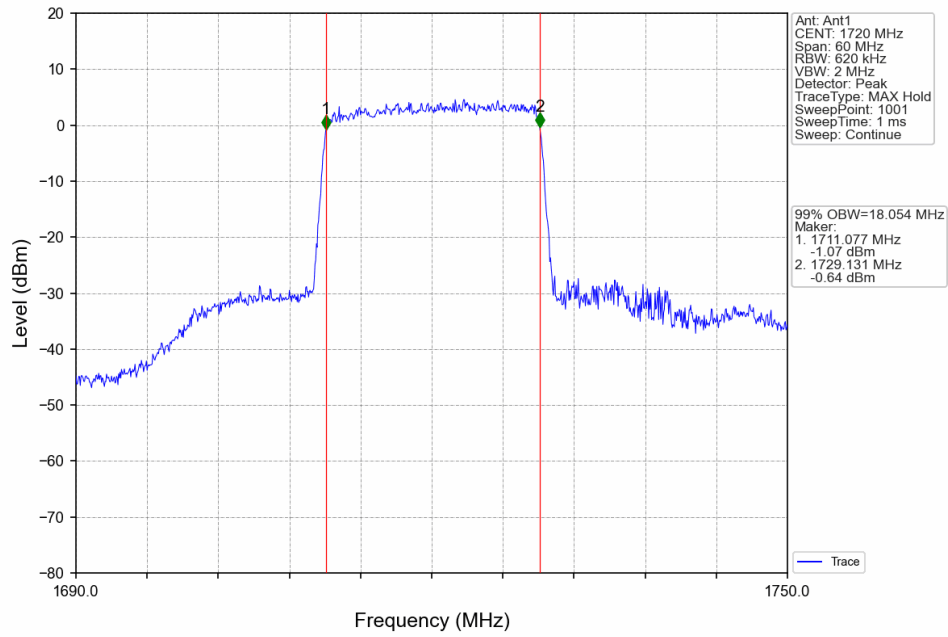
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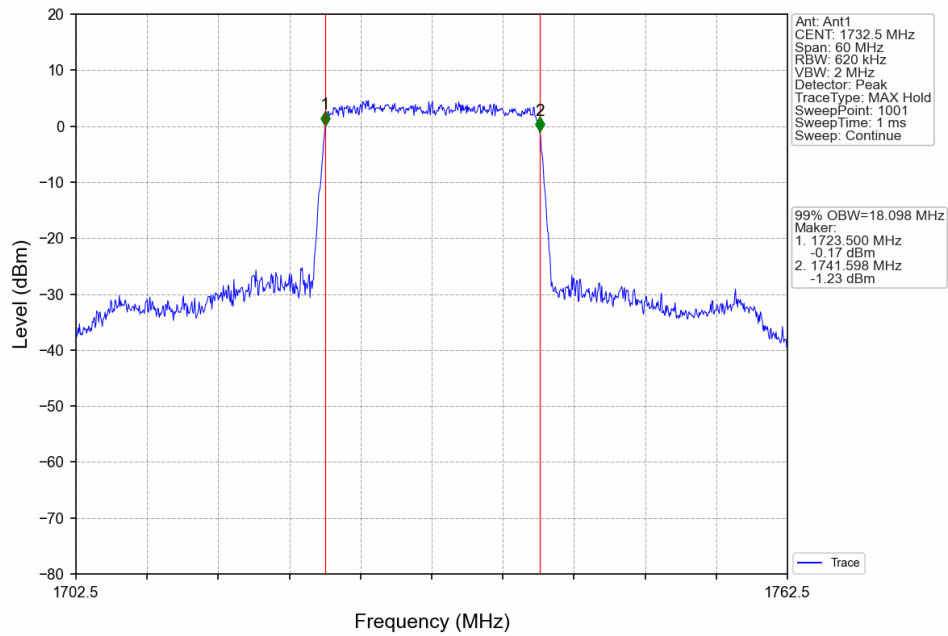
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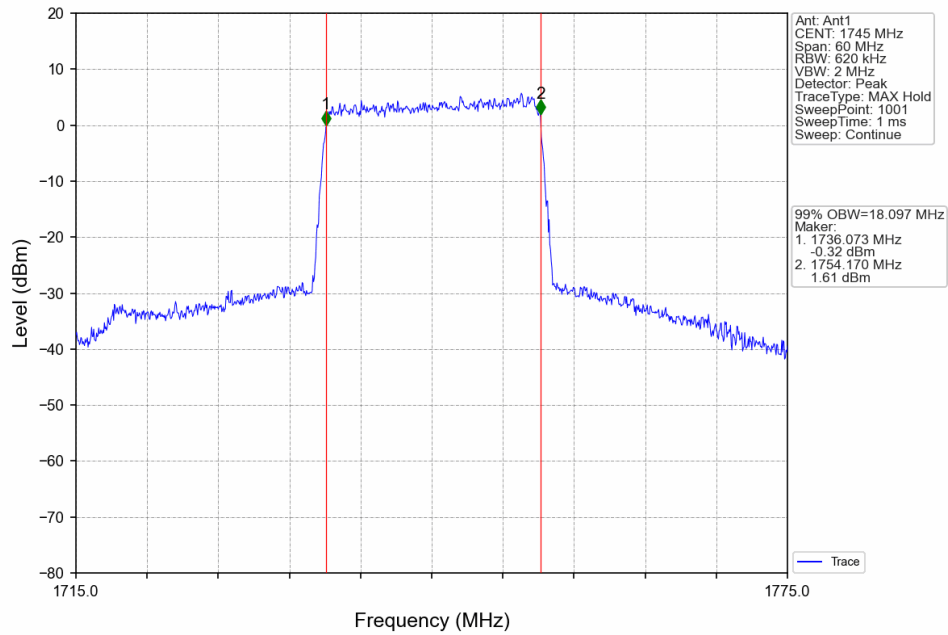
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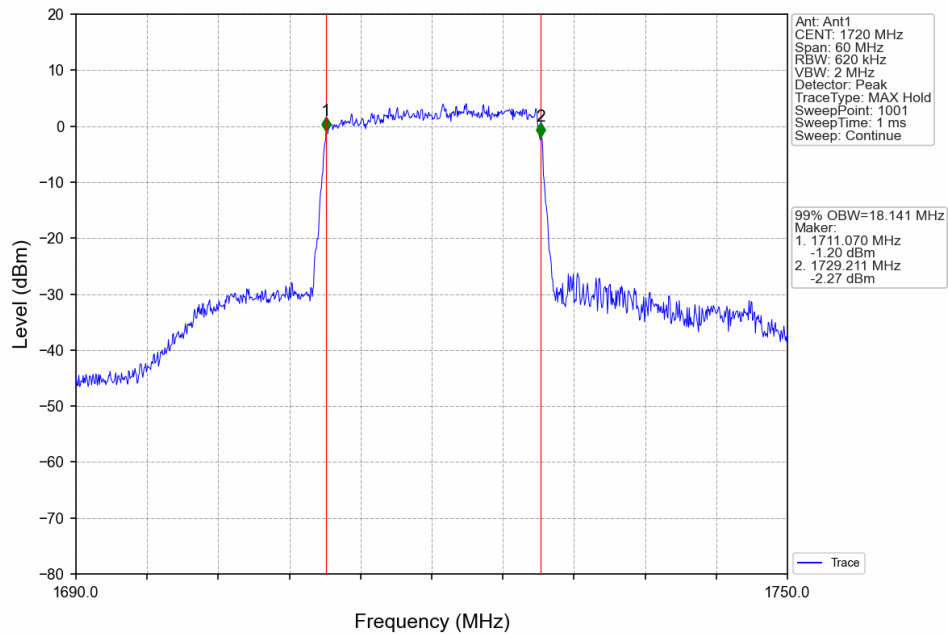
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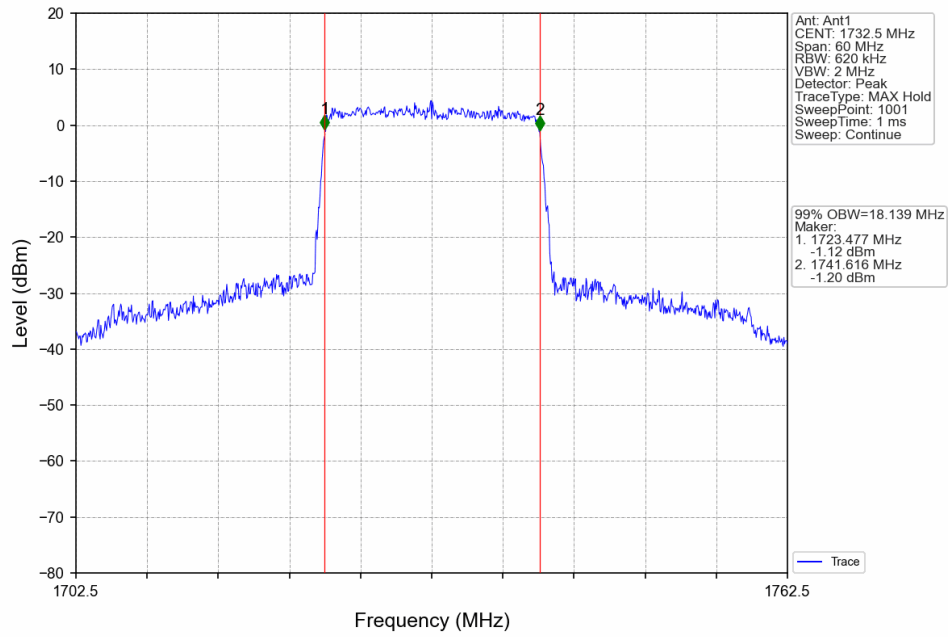
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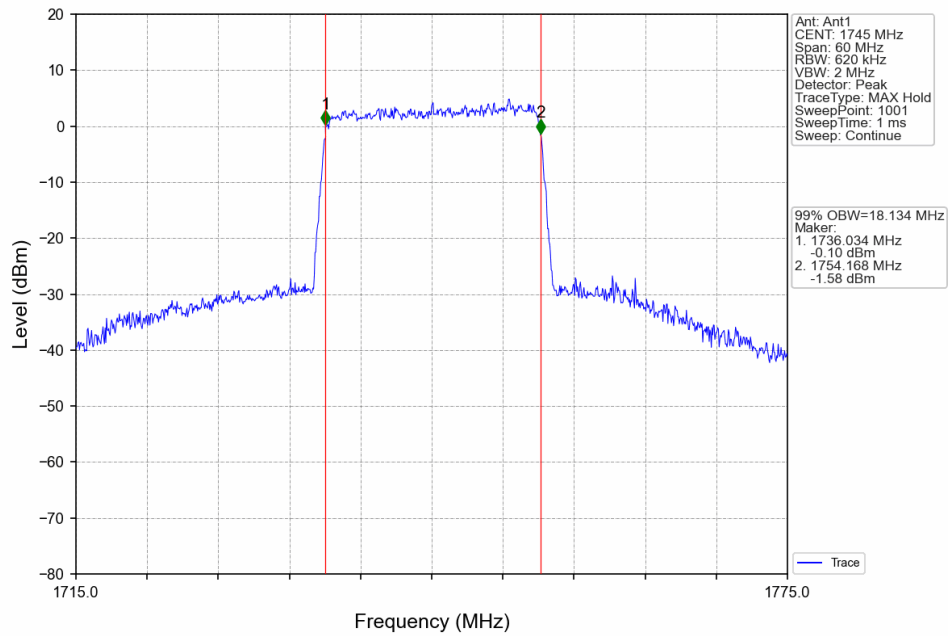
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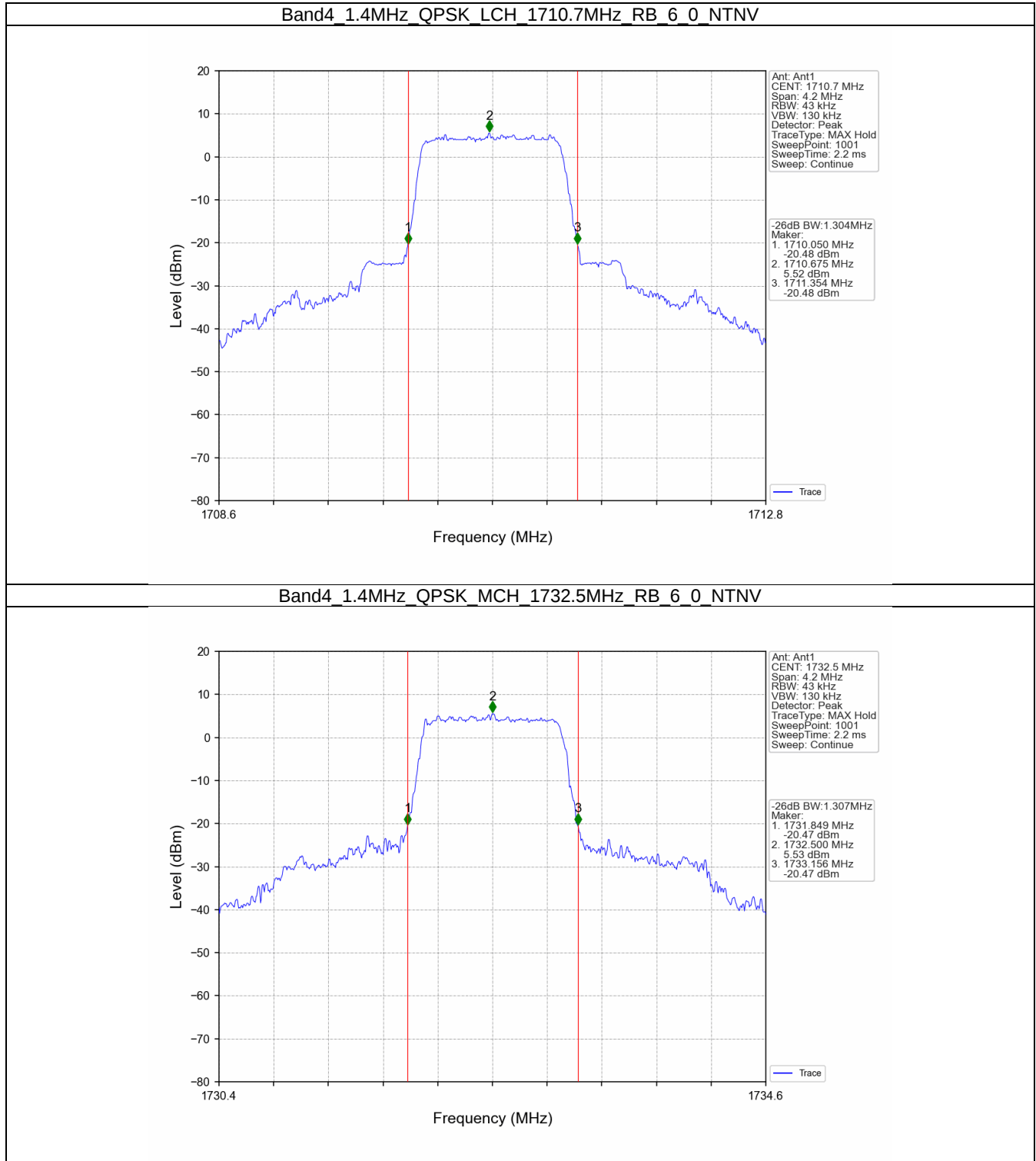
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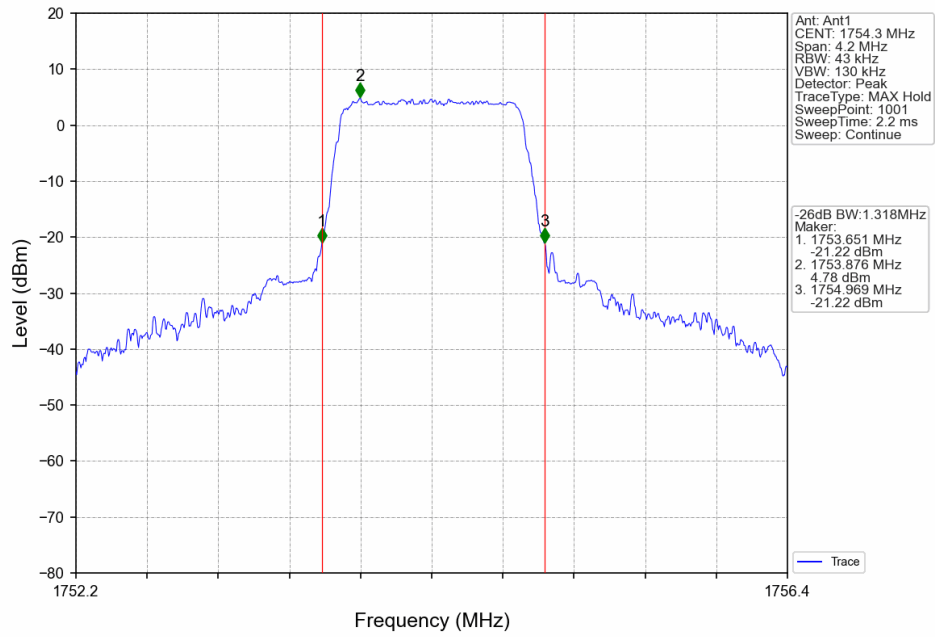
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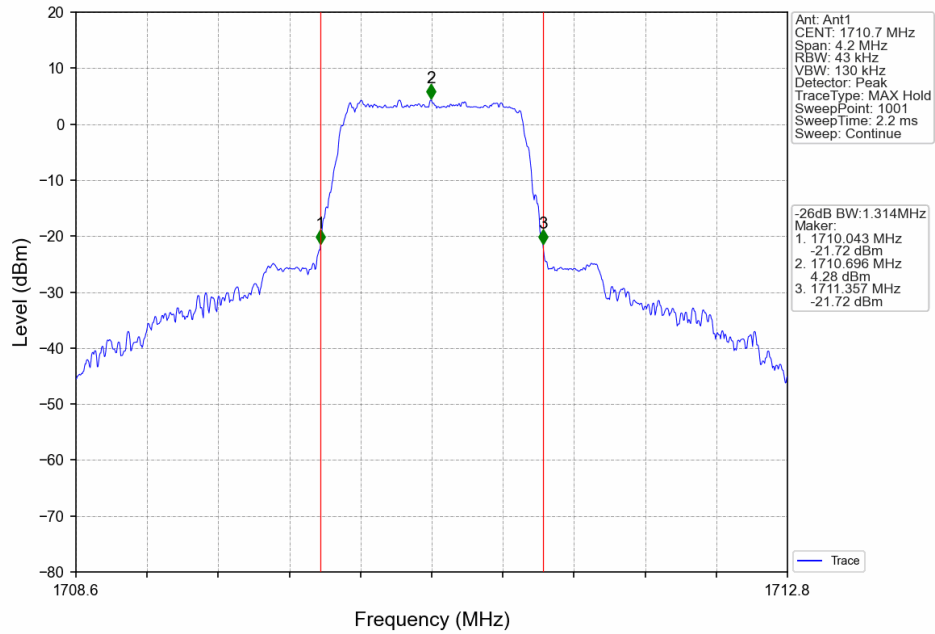
4.2.2 Band4_XDB



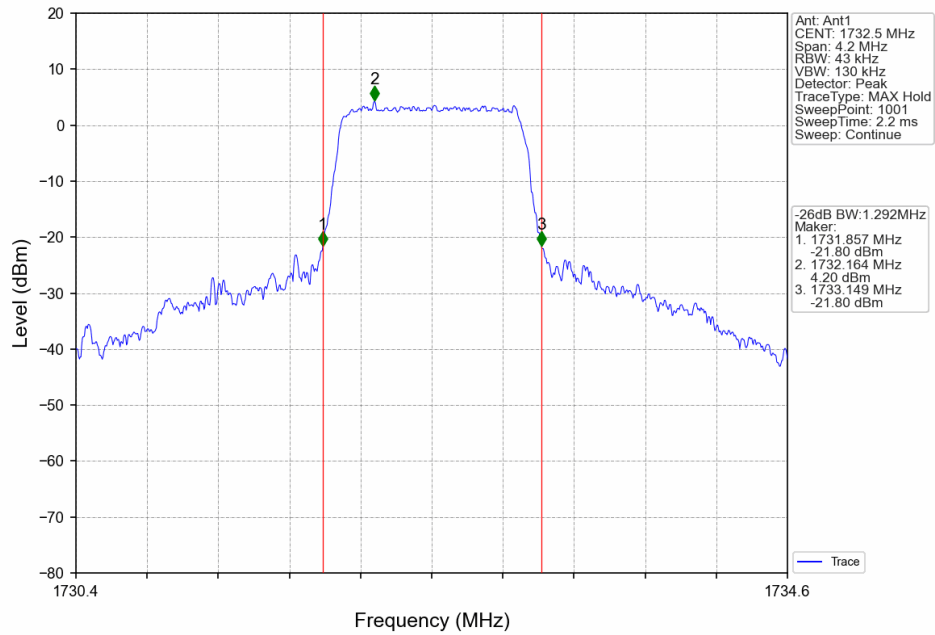
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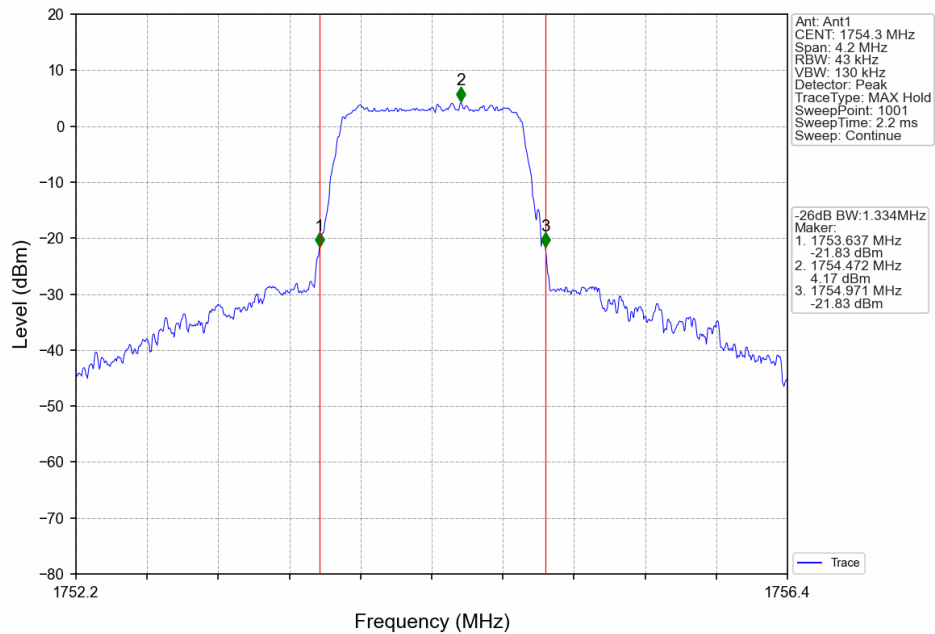
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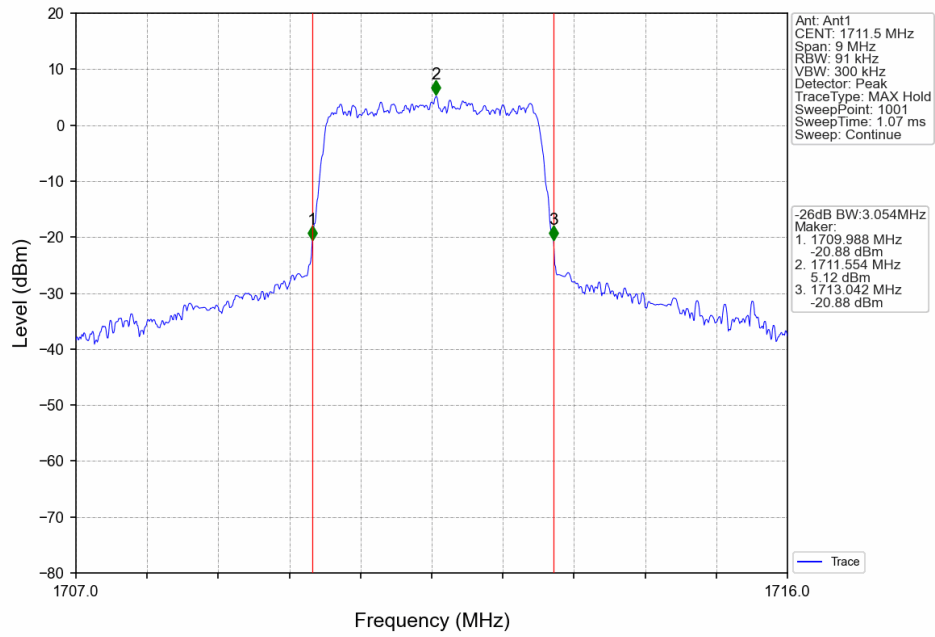
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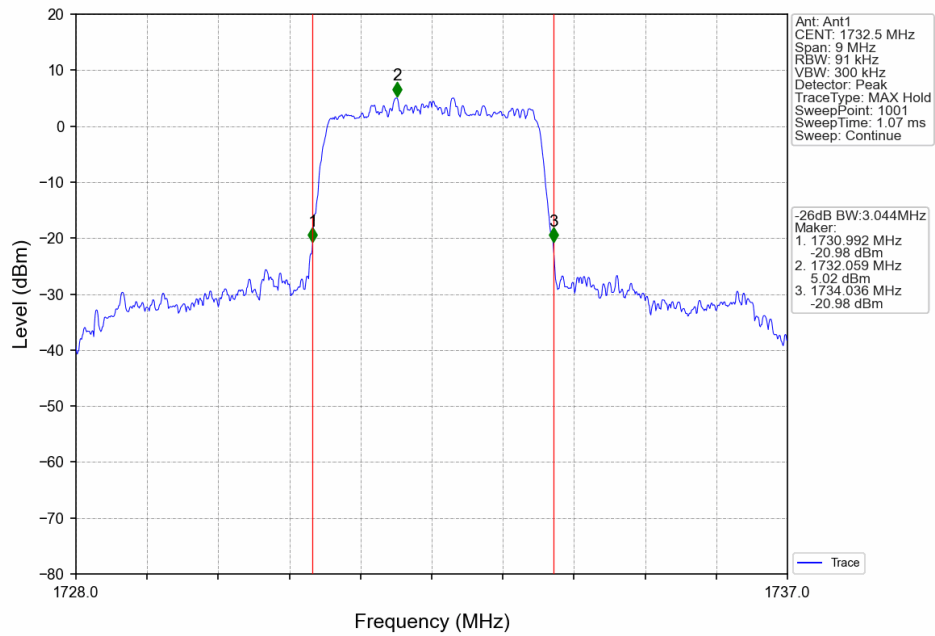
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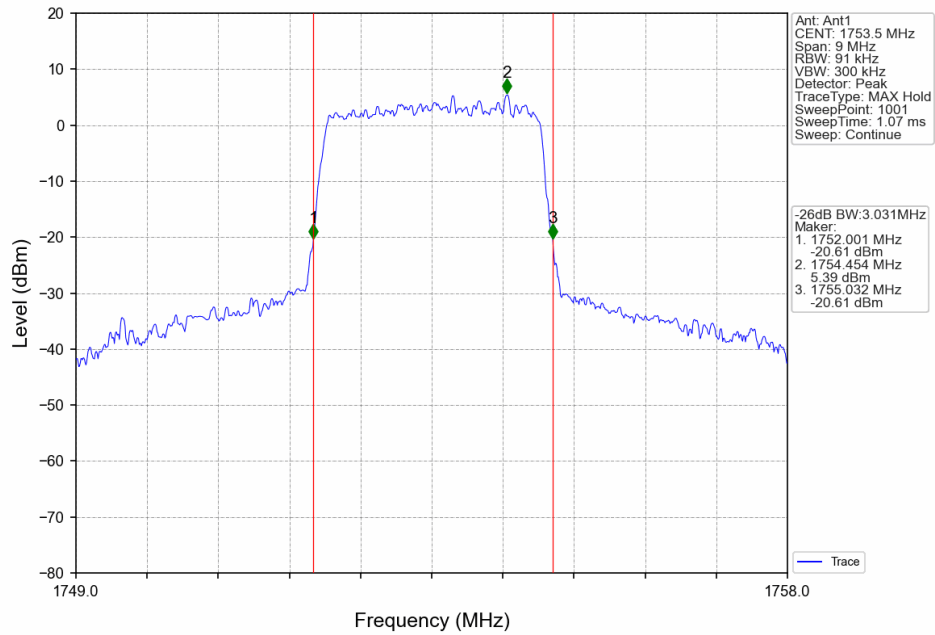
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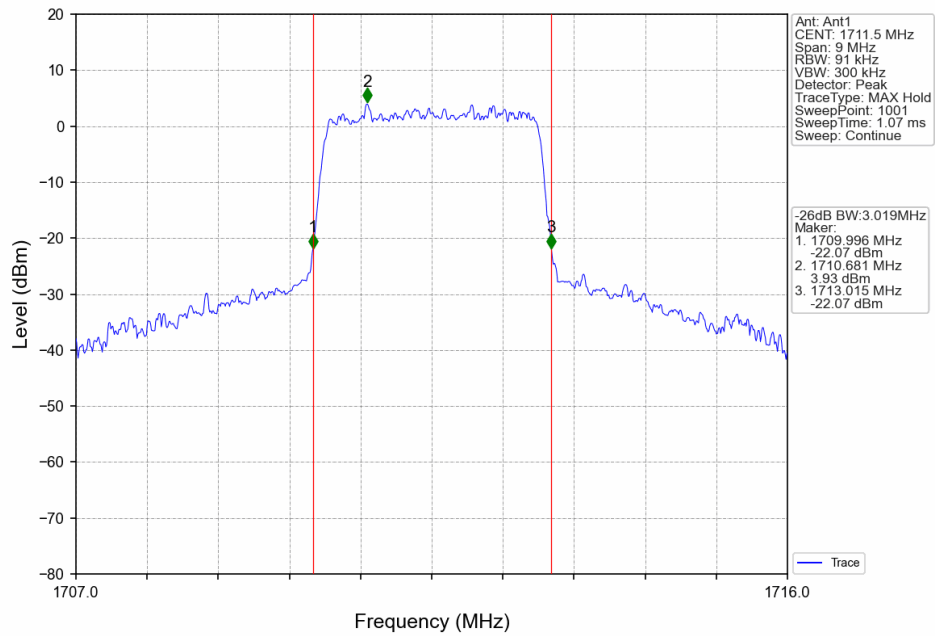
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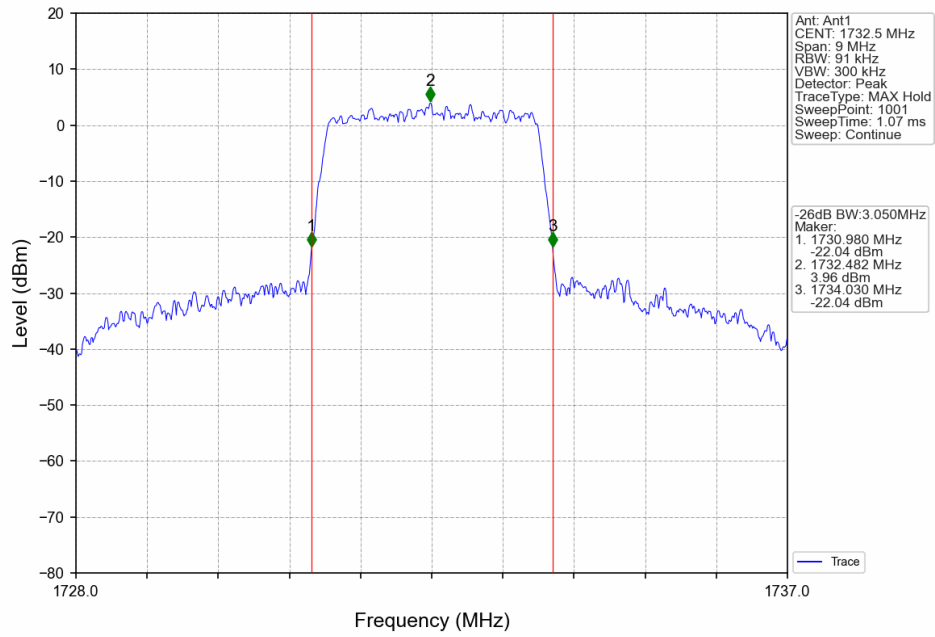
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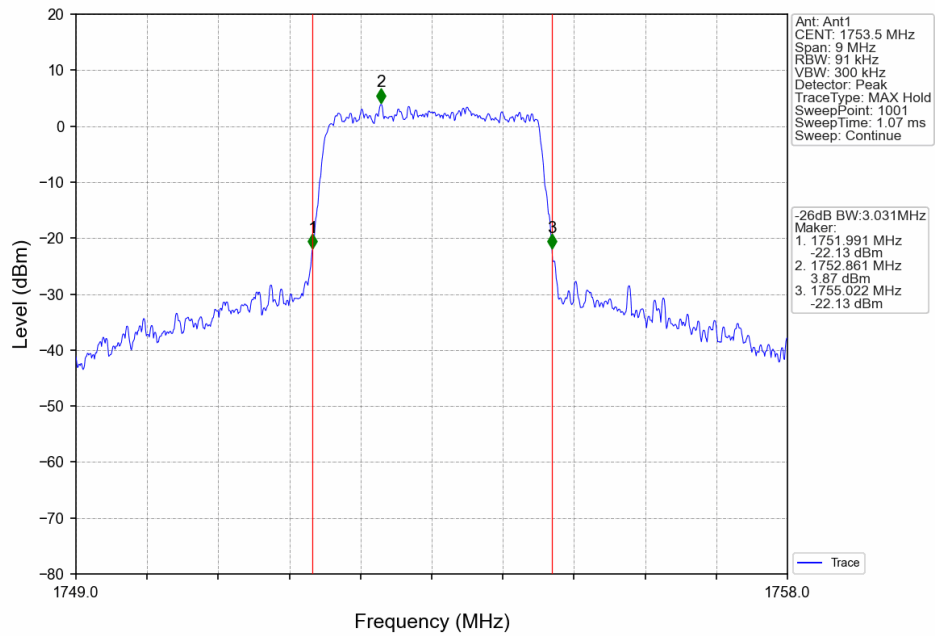
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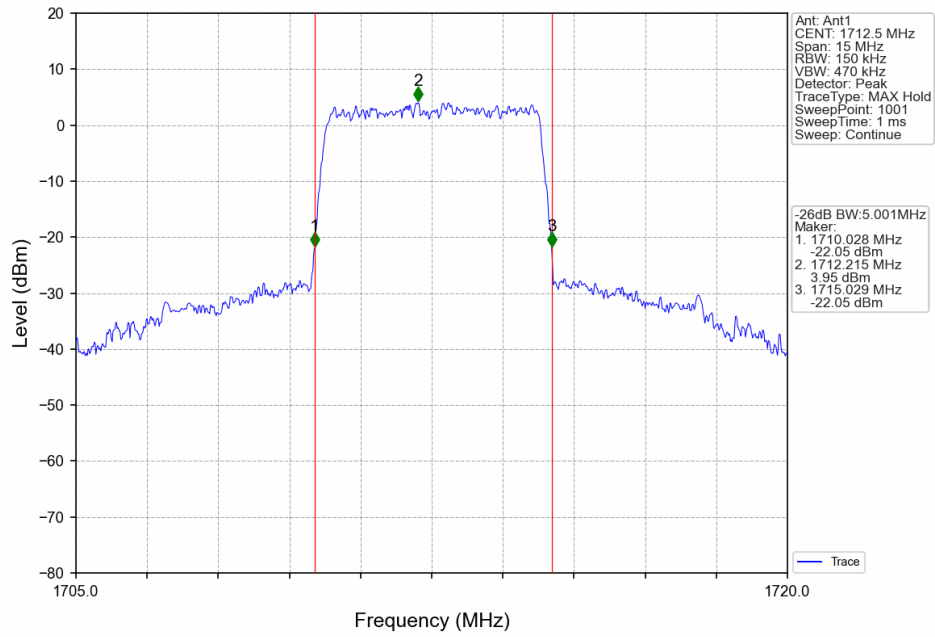
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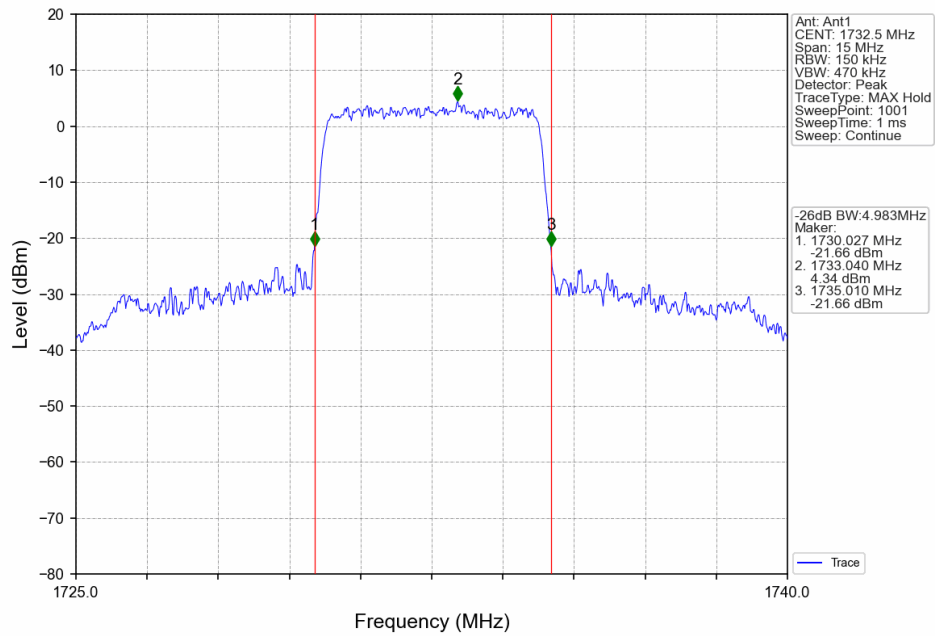
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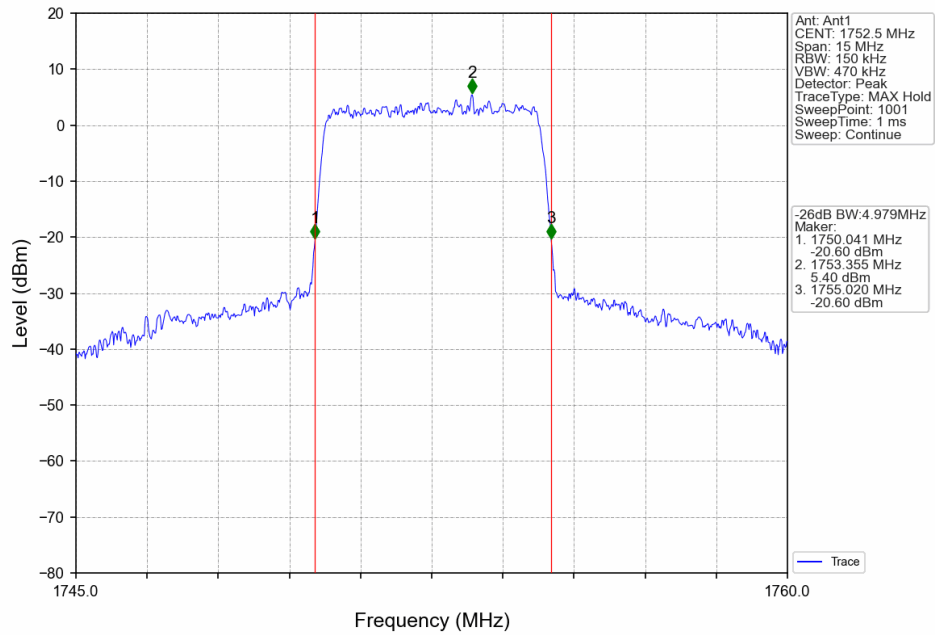
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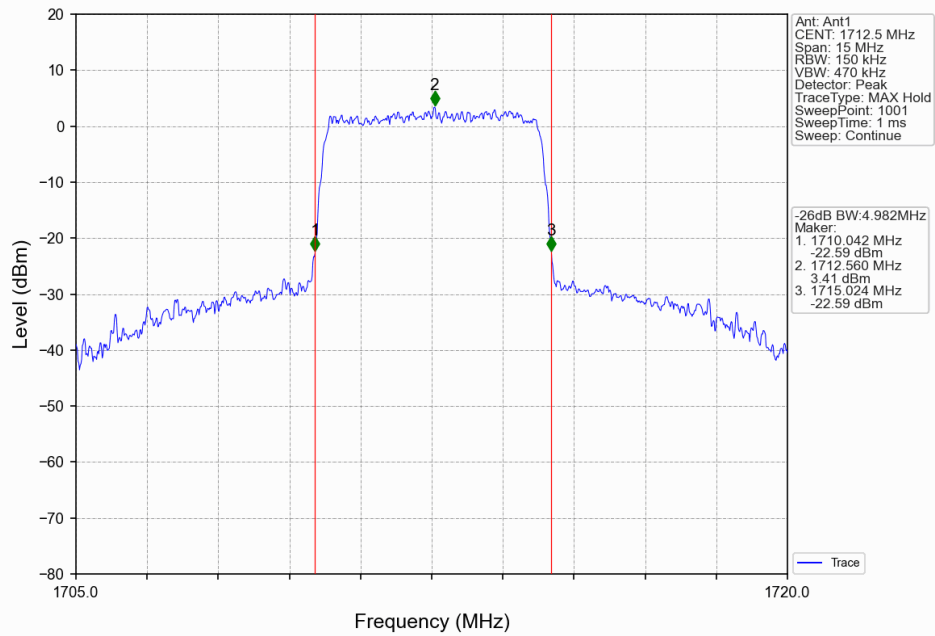
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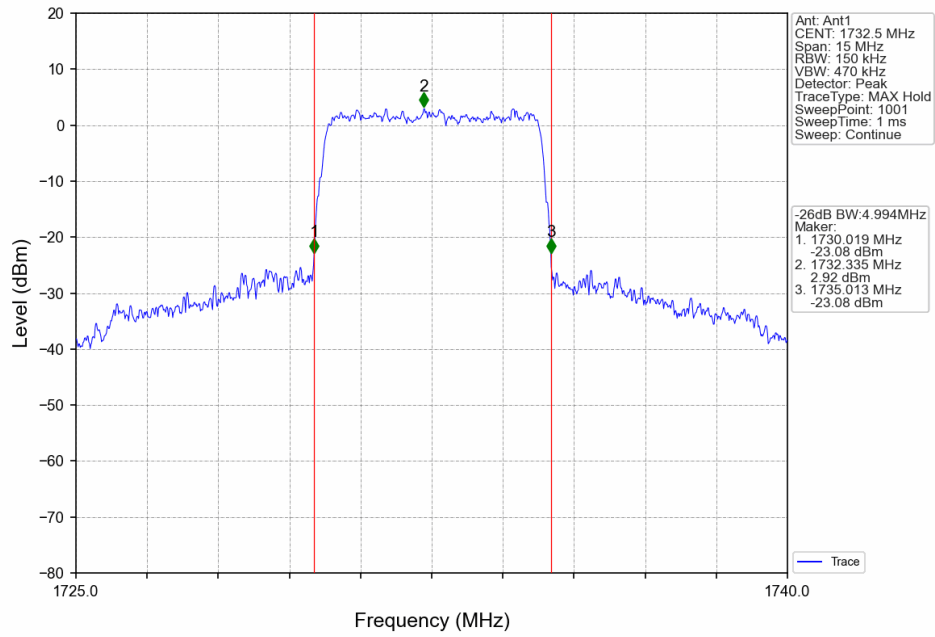
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Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV

