

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	22.90	-1.58	21.32	<=30	Pass
			2	22.97	-1.58	21.39	<=30	Pass
			5	22.90	-1.58	21.32	<=30	Pass
		3	0	23.18	-1.58	21.60	<=30	Pass
			2	23.18	-1.58	21.60	<=30	Pass
			3	23.18	-1.58	21.60	<=30	Pass
		6	0	22.13	-1.58	20.55	<=30	Pass
	1732.5	1	0	23.16	-1.58	21.58	<=30	Pass
			2	23.23	-1.58	21.65	<=30	Pass
			5	23.17	-1.58	21.59	<=30	Pass
		3	0	23.16	-1.58	21.58	<=30	Pass
			2	23.19	-1.58	21.61	<=30	Pass
			3	23.18	-1.58	21.60	<=30	Pass
		6	0	22.25	-1.58	20.67	<=30	Pass
	1754.3	1	0	22.93	-1.58	21.35	<=30	Pass
			2	23.00	-1.58	21.42	<=30	Pass
			5	22.96	-1.58	21.38	<=30	Pass
		3	0	23.12	-1.58	21.54	<=30	Pass
			2	23.14	-1.58	21.56	<=30	Pass
			3	23.09	-1.58	21.51	<=30	Pass
		6	0	22.09	-1.58	20.51	<=30	Pass
16QAM	1710.7	1	0	21.99	-1.58	20.41	<=30	Pass
			2	22.06	-1.58	20.48	<=30	Pass
			5	22.03	-1.58	20.45	<=30	Pass
		3	0	22.42	-1.58	20.84	<=30	Pass
			2	22.43	-1.58	20.85	<=30	Pass
			3	22.45	-1.58	20.87	<=30	Pass
		6	0	21.23	-1.58	19.65	<=30	Pass
	1732.5	1	0	22.01	-1.58	20.43	<=30	Pass
			2	22.09	-1.58	20.51	<=30	Pass
			5	22.06	-1.58	20.48	<=30	Pass
		3	0	22.18	-1.58	20.60	<=30	Pass
			2	22.19	-1.58	20.61	<=30	Pass
			3	22.18	-1.58	20.60	<=30	Pass
		6	0	21.15	-1.58	19.57	<=30	Pass
	1754.3	1	0	22.12	-1.58	20.54	<=30	Pass
			2	22.09	-1.58	20.51	<=30	Pass
			5	21.97	-1.58	20.39	<=30	Pass
		3	0	21.98	-1.58	20.40	<=30	Pass
			2	22.02	-1.58	20.44	<=30	Pass
			3	21.97	-1.58	20.39	<=30	Pass
		6	0	21.10	-1.58	19.52	<=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	22.76	-1.58	21.18	<=30	Pass
			7	22.89	-1.58	21.31	<=30	Pass
			14	22.76	-1.58	21.18	<=30	Pass
		8	0	21.91	-1.58	20.33	<=30	Pass
			4	21.93	-1.58	20.35	<=30	Pass
			7	21.53	-1.58	19.95	<=30	Pass
		15	0	21.59	-1.58	20.01	<=30	Pass
	1732.5	1	0	22.45	-1.58	20.87	<=30	Pass
			7	22.58	-1.58	21.00	<=30	Pass
			14	22.40	-1.58	20.82	<=30	Pass
		8	0	21.65	-1.58	20.07	<=30	Pass
			4	21.65	-1.58	20.07	<=30	Pass
			7	21.59	-1.58	20.01	<=30	Pass
		15	0	21.56	-1.58	19.98	<=30	Pass
	1753.5	1	0	22.25	-1.58	20.67	<=30	Pass
			7	22.43	-1.58	20.85	<=30	Pass
			14	22.28	-1.58	20.70	<=30	Pass
		8	0	21.55	-1.58	19.97	<=30	Pass
			4	21.60	-1.58	20.02	<=30	Pass
			7	21.52	-1.58	19.94	<=30	Pass
		15	0	21.53	-1.58	19.95	<=30	Pass
16QAM	1711.5	1	0	21.99	-1.58	20.41	<=30	Pass
			7	22.10	-1.58	20.52	<=30	Pass
			14	21.93	-1.58	20.35	<=30	Pass
		8	0	20.72	-1.58	19.14	<=30	Pass
			4	20.84	-1.58	19.26	<=30	Pass
			7	20.74	-1.58	19.16	<=30	Pass
		15	0	20.70	-1.58	19.12	<=30	Pass
	1732.5	1	0	21.37	-1.58	19.79	<=30	Pass
			7	21.52	-1.58	19.94	<=30	Pass
			14	21.37	-1.58	19.79	<=30	Pass
		8	0	20.68	-1.58	19.10	<=30	Pass
			4	20.73	-1.58	19.15	<=30	Pass
			7	20.63	-1.58	19.05	<=30	Pass
		15	0	20.60	-1.58	19.02	<=30	Pass
	1753.5	1	0	21.51	-1.58	19.93	<=30	Pass
			7	21.63	-1.58	20.05	<=30	Pass
			14	21.46	-1.58	19.88	<=30	Pass
		8	0	20.54	-1.58	18.96	<=30	Pass
			4	20.60	-1.58	19.02	<=30	Pass
			7	20.54	-1.58	18.96	<=30	Pass
		15	0	20.53	-1.58	18.95	<=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	22.83	-1.58	21.25	<=30	Pass
			13	22.74	-1.58	21.16	<=30	Pass
			24	22.62	-1.58	21.04	<=30	Pass
		12	0	21.60	-1.58	20.02	<=30	Pass

	1732.5	25	6	21.65	-1.58	20.07	<=30	Pass
			13	21.71	-1.58	20.13	<=30	Pass
			0	21.70	-1.58	20.12	<=30	Pass
		1	0	22.62	-1.58	21.04	<=30	Pass
			13	22.73	-1.58	21.15	<=30	Pass
			24	22.61	-1.58	21.03	<=30	Pass
		12	0	21.61	-1.58	20.03	<=30	Pass
			6	21.70	-1.58	20.12	<=30	Pass
			13	21.65	-1.58	20.07	<=30	Pass
		25	0	21.64	-1.58	20.06	<=30	Pass
	1752.5	1	0	22.62	-1.58	21.04	<=30	Pass
			13	22.74	-1.58	21.16	<=30	Pass
			24	22.61	-1.58	21.03	<=30	Pass
		12	0	21.55	-1.58	19.97	<=30	Pass
			6	21.67	-1.58	20.09	<=30	Pass
			13	21.68	-1.58	20.10	<=30	Pass
		25	0	21.64	-1.58	20.06	<=30	Pass
16QAM	1712.5	1	0	21.93	-1.58	20.35	<=30	Pass
			13	22.07	-1.58	20.49	<=30	Pass
			24	21.98	-1.58	20.40	<=30	Pass
		12	0	20.73	-1.58	19.15	<=30	Pass
			6	20.79	-1.58	19.21	<=30	Pass
			13	20.80	-1.58	19.22	<=30	Pass
		25	0	20.80	-1.58	19.22	<=30	Pass
	1732.5	1	0	21.39	-1.58	19.81	<=30	Pass
			13	21.51	-1.58	19.93	<=30	Pass
			24	21.45	-1.58	19.87	<=30	Pass
		12	0	20.65	-1.58	19.07	<=30	Pass
			6	20.69	-1.58	19.11	<=30	Pass
			13	20.68	-1.58	19.10	<=30	Pass
		25	0	20.71	-1.58	19.13	<=30	Pass
	1752.5	1	0	21.69	-1.58	20.11	<=30	Pass
			13	21.78	-1.58	20.20	<=30	Pass
			24	21.66	-1.58	20.08	<=30	Pass
		12	0	20.62	-1.58	19.04	<=30	Pass
			6	20.70	-1.58	19.12	<=30	Pass
			13	20.68	-1.58	19.10	<=30	Pass
		25	0	20.74	-1.58	19.16	<=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	22.60	-1.58	21.02	<=30	Pass
			25	22.68	-1.58	21.10	<=30	Pass
			49	22.68	-1.58	21.10	<=30	Pass
		25	0	21.52	-1.58	19.94	<=30	Pass
			13	21.74	-1.58	20.16	<=30	Pass
			25	21.74	-1.58	20.16	<=30	Pass
		50	0	21.72	-1.58	20.14	<=30	Pass
	1732.5	1	0	22.75	-1.58	21.17	<=30	Pass
			25	22.71	-1.58	21.13	<=30	Pass
			49	22.65	-1.58	21.07	<=30	Pass
		25	0	21.68	-1.58	20.10	<=30	Pass
			0	21.68	-1.58	20.10	<=30	Pass

	1750	50	13	21.70	-1.58	20.12	<=30	Pass
			25	21.64	-1.58	20.06	<=30	Pass
			0	21.66	-1.58	20.08	<=30	Pass
		1	0	22.63	-1.58	21.05	<=30	Pass
			25	22.71	-1.58	21.13	<=30	Pass
			49	22.66	-1.58	21.08	<=30	Pass
		25	0	21.57	-1.58	19.99	<=30	Pass
			13	21.70	-1.58	20.12	<=30	Pass
			25	21.70	-1.58	20.12	<=30	Pass
		50	0	21.70	-1.58	20.12	<=30	Pass
16QAM	1715	1	0	21.85	-1.58	20.27	<=30	Pass
			25	21.91	-1.58	20.33	<=30	Pass
			49	21.86	-1.58	20.28	<=30	Pass
		25	0	20.67	-1.58	19.09	<=30	Pass
			13	20.85	-1.58	19.27	<=30	Pass
			25	20.85	-1.58	19.27	<=30	Pass
		50	0	20.80	-1.58	19.22	<=30	Pass
	1732.5	1	0	22.14	-1.58	20.56	<=30	Pass
			25	22.19	-1.58	20.61	<=30	Pass
			49	22.22	-1.58	20.64	<=30	Pass
		25	0	20.76	-1.58	19.18	<=30	Pass
			13	20.80	-1.58	19.22	<=30	Pass
			25	20.77	-1.58	19.19	<=30	Pass
		50	0	20.73	-1.58	19.15	<=30	Pass
	1750	1	0	21.75	-1.58	20.17	<=30	Pass
			25	21.76	-1.58	20.18	<=30	Pass
			49	21.66	-1.58	20.08	<=30	Pass
		25	0	20.72	-1.58	19.14	<=30	Pass
			13	20.84	-1.58	19.26	<=30	Pass
			25	20.82	-1.58	19.24	<=30	Pass
		50	0	20.75	-1.58	19.17	<=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	22.56	-1.58	20.98	<=30	Pass
			38	22.74	-1.58	21.16	<=30	Pass
			74	22.70	-1.58	21.12	<=30	Pass
		36	0	21.55	-1.58	19.97	<=30	Pass
			18	21.67	-1.58	20.09	<=30	Pass
			39	21.75	-1.58	20.17	<=30	Pass
		75	0	21.69	-1.58	20.11	<=30	Pass
	1732.5	1	0	22.63	-1.58	21.05	<=30	Pass
			38	22.74	-1.58	21.16	<=30	Pass
			74	22.60	-1.58	21.02	<=30	Pass
		36	0	21.76	-1.58	20.18	<=30	Pass
			18	21.78	-1.58	20.20	<=30	Pass
			39	21.73	-1.58	20.15	<=30	Pass
		75	0	21.78	-1.58	20.20	<=30	Pass
	1747.5	1	0	22.63	-1.58	21.05	<=30	Pass
			38	22.70	-1.58	21.12	<=30	Pass
			74	22.56	-1.58	20.98	<=30	Pass
		36	0	21.58	-1.58	20.00	<=30	Pass

16QAM	1717.5	75	18	21.65	-1.58	20.07	<=30	Pass
			39	21.67	-1.58	20.09	<=30	Pass
			0	21.69	-1.58	20.11	<=30	Pass
		1	0	21.83	-1.58	20.25	<=30	Pass
			38	21.96	-1.58	20.38	<=30	Pass
			74	21.75	-1.58	20.17	<=30	Pass
		36	0	20.66	-1.58	19.08	<=30	Pass
			18	20.76	-1.58	19.18	<=30	Pass
			39	20.75	-1.58	19.17	<=30	Pass
		75	0	20.73	-1.58	19.15	<=30	Pass
	1732.5	1	0	22.07	-1.58	20.49	<=30	Pass
			38	22.20	-1.58	20.62	<=30	Pass
			74	22.28	-1.58	20.70	<=30	Pass
		36	0	20.73	-1.58	19.15	<=30	Pass
			18	20.79	-1.58	19.21	<=30	Pass
			39	20.81	-1.58	19.23	<=30	Pass
		75	0	20.72	-1.58	19.14	<=30	Pass
	1747.5	1	0	22.09	-1.58	20.51	<=30	Pass
			38	22.23	-1.58	20.65	<=30	Pass
			74	21.92	-1.58	20.34	<=30	Pass
		36	0	20.63	-1.58	19.05	<=30	Pass
			18	20.71	-1.58	19.13	<=30	Pass
			39	20.73	-1.58	19.15	<=30	Pass
		75	0	20.69	-1.58	19.11	<=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	23.00	-1.58	21.42	<=30	Pass
			50	22.73	-1.58	21.15	<=30	Pass
			99	22.63	-1.58	21.05	<=30	Pass
		50	0	21.54	-1.58	19.96	<=30	Pass
			25	21.75	-1.58	20.17	<=30	Pass
			50	21.67	-1.58	20.09	<=30	Pass
		100	0	21.62	-1.58	20.04	<=30	Pass
	1732.5	1	0	23.06	-1.58	21.48	<=30	Pass
			50	22.76	-1.58	21.18	<=30	Pass
			99	22.61	-1.58	21.03	<=30	Pass
		50	0	21.67	-1.58	20.09	<=30	Pass
			25	21.73	-1.58	20.15	<=30	Pass
			50	21.72	-1.58	20.14	<=30	Pass
		100	0	21.69	-1.58	20.11	<=30	Pass
	1745	1	0	23.03	-1.58	21.45	<=30	Pass
			50	22.68	-1.58	21.10	<=30	Pass
			99	22.52	-1.58	20.94	<=30	Pass
		50	0	21.72	-1.58	20.14	<=30	Pass
			25	21.80	-1.58	20.22	<=30	Pass
			50	21.89	-1.58	20.31	<=30	Pass
		100	0	21.73	-1.58	20.15	<=30	Pass
16QAM	1720	1	0	22.26	-1.58	20.68	<=30	Pass
			50	21.95	-1.58	20.37	<=30	Pass
			99	21.74	-1.58	20.16	<=30	Pass
		50	0	20.61	-1.58	19.03	<=30	Pass

		100	25	20.82	-1.58	19.24	<=30	Pass
			50	20.70	-1.58	19.12	<=30	Pass
			0	20.63	-1.58	19.05	<=30	Pass
	1732.5	1	0	22.26	-1.58	20.68	<=30	Pass
			50	21.99	-1.58	20.41	<=30	Pass
			99	21.95	-1.58	20.37	<=30	Pass
		50	0	20.69	-1.58	19.11	<=30	Pass
			25	20.79	-1.58	19.21	<=30	Pass
			50	20.73	-1.58	19.15	<=30	Pass
		100	0	20.76	-1.58	19.18	<=30	Pass
	1745	1	0	22.50	-1.58	20.92	<=30	Pass
			50	22.34	-1.58	20.76	<=30	Pass
			99	22.08	-1.58	20.50	<=30	Pass
		50	0	20.77	-1.58	19.19	<=30	Pass
			25	20.85	-1.58	19.27	<=30	Pass
			50	20.93	-1.58	19.35	<=30	Pass
		100	0	20.85	-1.58	19.27	<=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	-12.832	-0.0075	-2.5 to 2.5	Pass
					3.85	11.659	0.0068	-2.5 to 2.5	Pass
					4.43	4.892	0.0029	-2.5 to 2.5	Pass
				-30	3.85	9.270	0.0054	-2.5 to 2.5	Pass
				-20	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				-10	3.85	-8.683	-0.0051	-2.5 to 2.5	Pass
				0	3.85	-7.882	-0.0046	-2.5 to 2.5	Pass
				10	3.85	10.700	0.0063	-2.5 to 2.5	Pass
				30	3.85	-9.556	-0.0056	-2.5 to 2.5	Pass
				40	3.85	0.529	0.0003	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.85	3.161	0.0018	-2.5 to 2.5	Pass
					3.27	-10.700	-0.0062	-2.5 to 2.5	Pass
					3.85	9.799	0.0057	-2.5 to 2.5	Pass
				-30	4.43	-8.540	-0.0049	-2.5 to 2.5	Pass
					3.85	-13.461	-0.0078	-2.5 to 2.5	Pass
					3.85	12.345	0.0071	-2.5 to 2.5	Pass
				-20	3.85	8.841	0.0051	-2.5 to 2.5	Pass
				-10	3.85	-5.851	-0.0034	-2.5 to 2.5	Pass
				0	3.85	12.860	0.0074	-2.5 to 2.5	Pass
				10	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
					3.27	11.315	0.0064	-2.5 to 2.5	Pass
					4.43	-8.440	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-9.284	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	1.187	0.0007	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	-10	3.85	-10.343	-0.0059	-2.5 to 2.5	Pass
				0	3.85	4.220	0.0024	-2.5 to 2.5	Pass
				10	3.85	-7.539	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-8.497	-0.0048	-2.5 to 2.5	Pass
				40	3.85	-16.036	-0.0091	-2.5 to 2.5	Pass
				50	3.85	7.968	0.0045	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-12.445	-0.0073	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
					4.43	-1.760	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-14.005	-0.0082	-2.5 to 2.5	Pass
				-20	3.85	8.597	0.0050	-2.5 to 2.5	Pass
				-10	3.85	-16.723	-0.0098	-2.5 to 2.5	Pass
				0	3.85	-12.431	-0.0073	-2.5 to 2.5	Pass
				10	3.85	-8.240	-0.0048	-2.5 to 2.5	Pass
				30	3.85	8.998	0.0053	-2.5 to 2.5	Pass
				40	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				50	3.85	7.911	0.0046	-2.5 to 2.5	Pass
				20	3.27	4.063	0.0023	-2.5 to 2.5	Pass
					3.85	-15.807	-0.0091	-2.5 to 2.5	Pass
					4.43	-13.776	-0.0080	-2.5 to 2.5	Pass
				-30	3.85	-11.015	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				0	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				10	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				30	3.85	5.779	0.0033	-2.5 to 2.5	Pass
				40	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				50	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-16.150	-0.0092	-2.5 to 2.5	Pass
					3.85	-12.002	-0.0068	-2.5 to 2.5	Pass
					4.43	-10.929	-0.0062	-2.5 to 2.5	Pass
				-30	3.85	-12.059	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	-14.663	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-14.434	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-12.960	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-13.218	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-8.526	-0.0049	-2.5 to 2.5	Pass
				50	3.85	3.834	0.0022	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-5.865	-0.0034	-2.5 to 2.5	Pass
					3.85	6.580	0.0038	-2.5 to 2.5	Pass
					4.43	4.392	0.0026	-2.5 to 2.5	Pass
				-30	3.85	8.554	0.0050	-2.5 to 2.5	Pass
				-20	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				10	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				30	3.85	-16.937	-0.0099	-2.5 to 2.5	Pass
				40	3.85	-13.046	-0.0076	-2.5 to 2.5	Pass
				50	3.85	-11.301	-0.0066	-2.5 to 2.5	Pass

	1732.5	15	0	20	3.27	-8.168	-0.0047	-2.5 to 2.5	Pass
					3.85	-20.084	-0.0116	-2.5 to 2.5	Pass
					4.43	-5.794	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	1.516	0.0009	-2.5 to 2.5	Pass
				-10	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				0	3.85	-7.310	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-5.622	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-13.504	-0.0078	-2.5 to 2.5	Pass
				40	3.85	-9.170	-0.0053	-2.5 to 2.5	Pass
				50	3.85	-20.084	-0.0116	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	9.155	0.0052	-2.5 to 2.5	Pass
					3.85	4.163	0.0024	-2.5 to 2.5	Pass
					4.43	11.015	0.0063	-2.5 to 2.5	Pass
				-30	3.85	6.967	0.0040	-2.5 to 2.5	Pass
				-20	3.85	11.272	0.0064	-2.5 to 2.5	Pass
				-10	3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
				0	3.85	4.492	0.0026	-2.5 to 2.5	Pass
				10	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				40	3.85	9.556	0.0054	-2.5 to 2.5	Pass
				50	3.85	5.808	0.0033	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	3.405	0.0020	-2.5 to 2.5	Pass
					3.85	-6.423	-0.0038	-2.5 to 2.5	Pass
					4.43	-0.315	-0.0002	-2.5 to 2.5	Pass
				-30	3.85	-9.756	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				0	3.85	0.086	0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-12.417	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-8.011	-0.0047	-2.5 to 2.5	Pass
				50	3.85	12.159	0.0071	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	1.473	0.0009	-2.5 to 2.5	Pass
					3.85	8.254	0.0048	-2.5 to 2.5	Pass
					4.43	11.802	0.0068	-2.5 to 2.5	Pass
				-30	3.85	8.311	0.0048	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-8.469	-0.0049	-2.5 to 2.5	Pass
				40	3.85	8.912	0.0051	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-1.445	-0.0008	-2.5 to 2.5	Pass
					3.85	-12.274	-0.0070	-2.5 to 2.5	Pass
					4.43	2.360	0.0013	-2.5 to 2.5	Pass
				-30	3.85	-12.703	-0.0072	-2.5 to 2.5	Pass
				-20	3.85	-5.522	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				0	3.85	-17.438	-0.0099	-2.5 to 2.5	Pass
				10	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				30	3.85	-5.865	-0.0033	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.901	-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	-4.292	-0.0025	-2.5 to 2.5	Pass
					3.85	0.529	0.0003	-2.5 to 2.5	Pass
					4.43	2.389	0.0014	-2.5 to 2.5	Pass
				-30	3.85	9.999	0.0058	-2.5 to 2.5	Pass
				-20	3.85	6.266	0.0037	-2.5 to 2.5	Pass
				-10	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-4.506	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				30	3.85	2.346	0.0014	-2.5 to 2.5	Pass
				40	3.85	-8.297	-0.0048	-2.5 to 2.5	Pass
				50	3.85	3.963	0.0023	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-9.041	-0.0052	-2.5 to 2.5	Pass
					3.85	11.144	0.0064	-2.5 to 2.5	Pass
					4.43	-1.116	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-9.642	-0.0056	-2.5 to 2.5	Pass
				-10	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				0	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-4.220	-0.0024	-2.5 to 2.5	Pass
				30	3.85	2.990	0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	4.334	0.0025	-2.5 to 2.5	Pass
					3.85	3.262	0.0019	-2.5 to 2.5	Pass
					4.43	0.687	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-20	3.85	2.789	0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				0	3.85	6.094	0.0035	-2.5 to 2.5	Pass
				10	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0000	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-11.101	-0.0065	-2.5 to 2.5	Pass
					3.85	-4.921	-0.0029	-2.5 to 2.5	Pass
					4.43	-5.651	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	9.956	0.0058	-2.5 to 2.5	Pass
				-20	3.85	-6.380	-0.0037	-2.5 to 2.5	Pass
				-10	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				0	3.85	6.623	0.0039	-2.5 to 2.5	Pass
				10	3.85	-9.112	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-7.396	-0.0043	-2.5 to 2.5	Pass
				40	3.85	2.189	0.0013	-2.5 to 2.5	Pass
				50	3.85	5.422	0.0032	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-1.116	-0.0006	-2.5 to 2.5	Pass
					3.85	6.037	0.0035	-2.5 to 2.5	Pass
					4.43	-4.177	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	-2.975	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	3.891	0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.063	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-9.112	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass

	1752.5	25	0	40	3.85	1.931	0.0011	-2.5 to 2.5	Pass
				50	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				20	3.27	-3.061	-0.0017	-2.5 to 2.5	Pass
					3.85	7.510	0.0043	-2.5 to 2.5	Pass
					4.43	-5.078	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				-20	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				-10	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				0	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				10	3.85	2.217	0.0013	-2.5 to 2.5	Pass
				30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				40	3.85	-13.189	-0.0075	-2.5 to 2.5	Pass
				50	3.85	9.055	0.0052	-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	1.144	0.0007	-2.5 to 2.5	Pass
					3.85	1.731	0.0010	-2.5 to 2.5	Pass
					4.43	-3.476	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	2.275	0.0013	-2.5 to 2.5	Pass
				-20	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.974	0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-7.224	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
				40	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				50	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.286	-0.0002	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
					4.43	-5.364	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
				10	3.85	0.544	0.0003	-2.5 to 2.5	Pass
				30	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				40	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	5.479	0.0031	-2.5 to 2.5	Pass
					3.85	2.832	0.0016	-2.5 to 2.5	Pass
					4.43	0.129	0.0001	-2.5 to 2.5	Pass
				-30	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				0	3.85	4.320	0.0025	-2.5 to 2.5	Pass
				10	3.85	6.223	0.0036	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-6.208	-0.0035	-2.5 to 2.5	Pass
				50	3.85	8.168	0.0047	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-2.260	-0.0013	-2.5 to 2.5	Pass
					3.85	3.734	0.0022	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	2.131	0.0012	-2.5 to 2.5	Pass

				-20	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				-10	3.85	6.452	0.0038	-2.5 to 2.5	Pass
				0	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				10	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.862	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
				50	3.85	-0.744	-0.0004	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.604	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-8.941	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-1.130	-0.0007	-2.5 to 2.5	Pass
				20	3.27	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	2.217	0.0013	-2.5 to 2.5	Pass
					4.43	0.443	0.0003	-2.5 to 2.5	Pass
	1750	50	0	-30	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	3.676	0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				40	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.544	0.0003	-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	-2.604	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.735	-0.0028	-2.5 to 2.5	Pass
				0	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				10	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-6.065	-0.0035	-2.5 to 2.5	Pass
				40	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				50	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-3.676	-0.0021	-2.5 to 2.5	Pass
					3.85	-2.518	-0.0015	-2.5 to 2.5	Pass
					4.43	-1.016	-0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-2.317	-0.0013	-2.5 to 2.5	Pass
				0	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				10	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass

	1747.5	75	0	50	3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
				20	3.27	3.877	0.0022	-2.5 to 2.5	Pass
					3.85	1.101	0.0006	-2.5 to 2.5	Pass
				-30	4.43	-2.618	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.473	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				10	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				30	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0001	-2.5 to 2.5	Pass
				50	3.85	0.644	0.0004	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	3.376	0.0020	-2.5 to 2.5	Pass
					3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
				-30	4.43	-2.818	-0.0016	-2.5 to 2.5	Pass
					3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.161	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	1.731	0.0010	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.465	-0.0032	-2.5 to 2.5	Pass
					3.85	0.758	0.0004	-2.5 to 2.5	Pass
				-30	4.43	-5.221	-0.0030	-2.5 to 2.5	Pass
					3.85	0.272	0.0002	-2.5 to 2.5	Pass
				-20	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				50	3.85	1.159	0.0007	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-2.375	-0.0014	-2.5 to 2.5	Pass
					3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				-30	4.43	-0.401	-0.0002	-2.5 to 2.5	Pass
					3.85	0.587	0.0003	-2.5 to 2.5	Pass
				-20	3.85	-4.950	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-1.259	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-3.891	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-0.186	-0.0001	-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	-7.396	-0.0043	-2.5 to 2.5	Pass
					3.85	-3.204	-0.0019	-2.5 to 2.5	Pass
				-30	4.43	-4.964	-0.0029	-2.5 to 2.5	Pass
					3.85	1.373	0.0008	-2.5 to 2.5	Pass
				-20	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass

				-10	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				50	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	1.831	0.0011	-2.5 to 2.5	Pass
					3.85	2.775	0.0016	-2.5 to 2.5	Pass
					4.43	-1.903	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-1.974	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				30	3.85	4.063	0.0023	-2.5 to 2.5	Pass
				40	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				50	3.85	-8.125	-0.0047	-2.5 to 2.5	Pass
				20	3.27	-2.418	-0.0014	-2.5 to 2.5	Pass
					3.85	-4.334	-0.0025	-2.5 to 2.5	Pass
					4.43	-4.249	-0.0024	-2.5 to 2.5	Pass
	1745	100	0	-30	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				-10	3.85	-1.645	-0.0009	-2.5 to 2.5	Pass
				0	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.804	-0.0016	-2.5 to 2.5	Pass
				30	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				50	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-1.559	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
					4.43	-1.731	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				10	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				30	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				50	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.174	-0.0013	-2.5 to 2.5	Pass
					3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
					4.43	-3.290	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-6.852	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-11.687	-0.0067	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				50	3.85	1.788	0.0010	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.276	-0.0019	-2.5 to 2.5	Pass
					3.85	1.030	0.0006	-2.5 to 2.5	Pass
					4.43	0.572	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	5.064	0.0029	-2.5 to 2.5	Pass
				-10	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				0	3.85	-5.136	-0.0029	-2.5 to 2.5	Pass
				10	3.85	1.330	0.0008	-2.5 to 2.5	Pass

				30	3.85	2.675	0.0015	-2.5 to 2.5	Pass
				40	3.85	1.187	0.0007	-2.5 to 2.5	Pass
				50	3.85	-5.722	-0.0033	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV								
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 / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict		
		Size	Offset	Result	Limit			
QPSK	1732.5	50	0	Refer To Test Graph		Pass		
16QAM	1732.5	50	0	Refer To Test Graph		Pass		

3.1.5 B4_15MHz

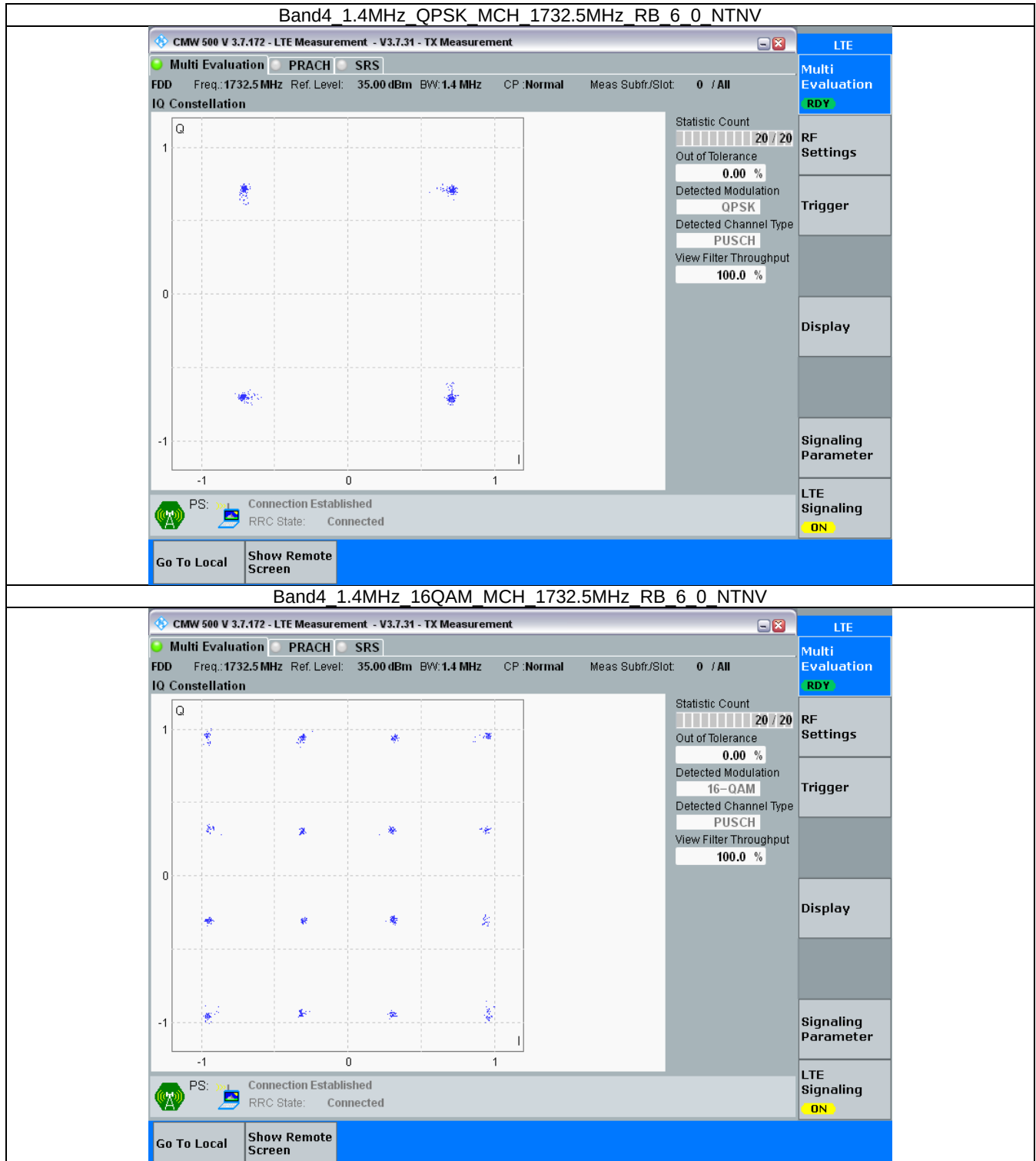
Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict		
		Size	Offset	Result	Limit			
QPSK	1732.5	75	0	Refer To Test Graph		Pass		
16QAM	1732.5	75	0	Refer To Test Graph		Pass		

3.1.6 B4_20MHz

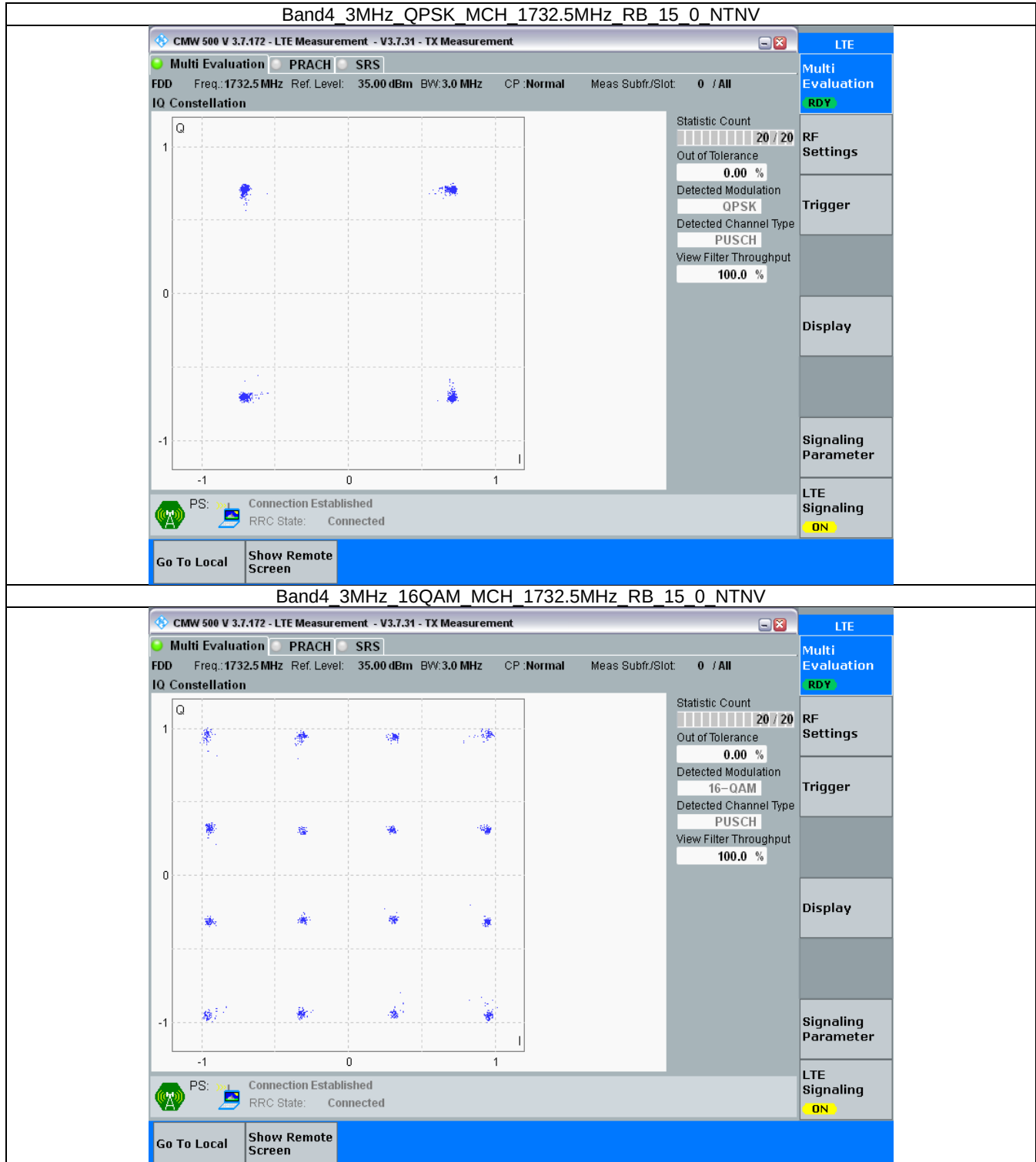
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

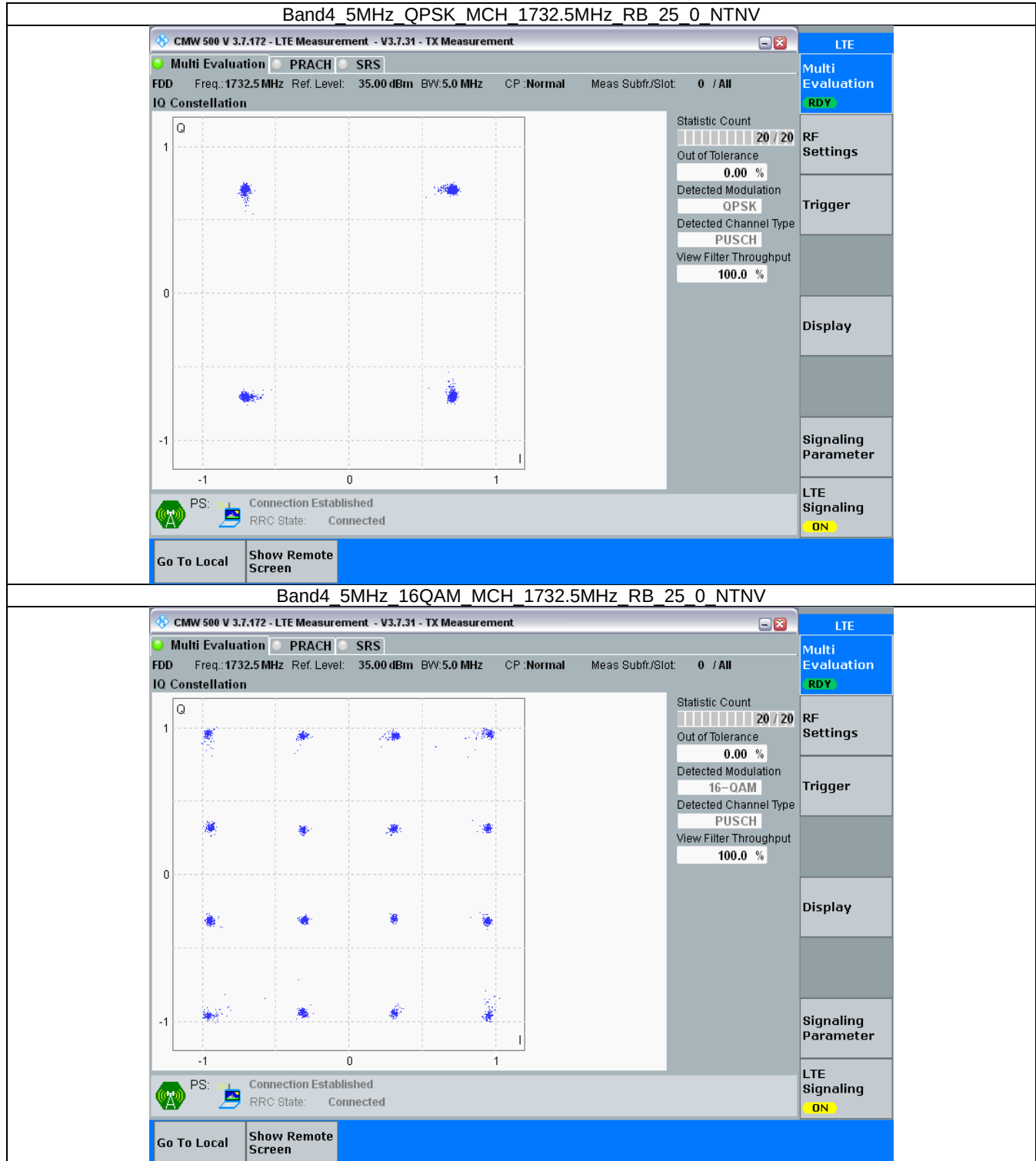
3.2.1 B4_1.4MHz



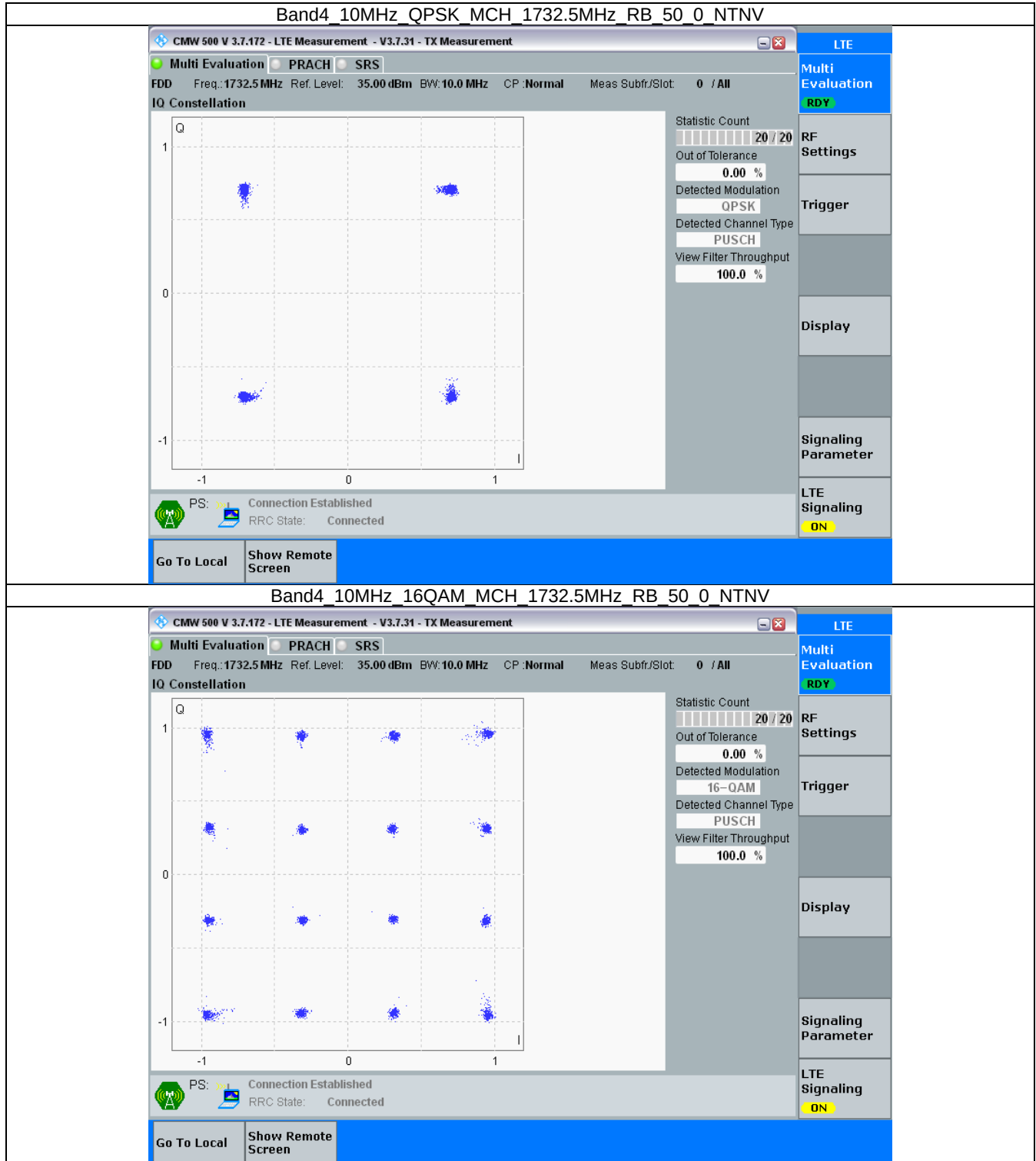
3.2.2 B4_3MHz



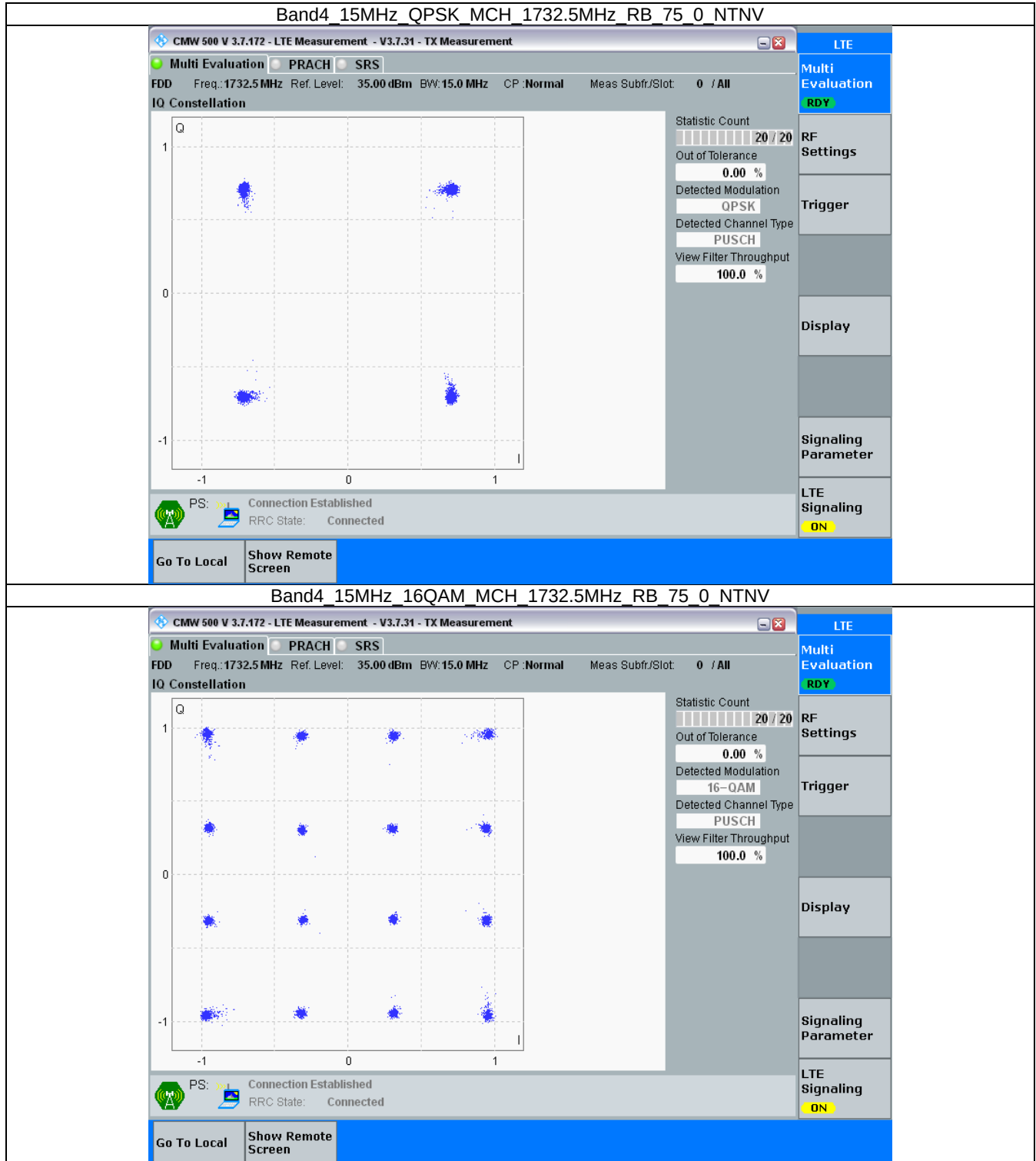
3.2.3 B4_5MHz



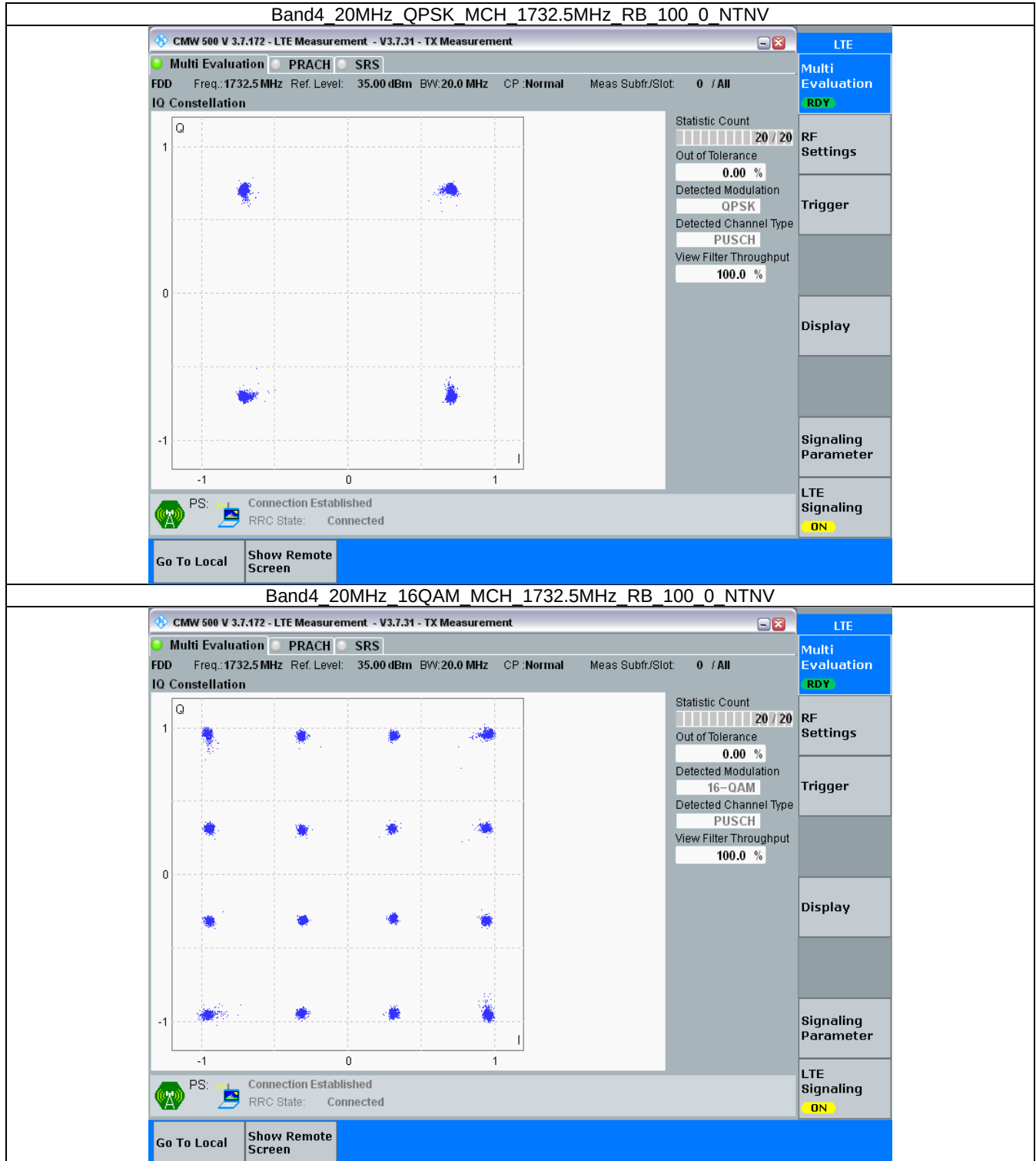
3.2.4 B4_10MHz



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	1.112	/	Pass
		1732.5	6	0	1.125	/	Pass
		1754.3	6	0	1.119	/	Pass
	16QAM	1710.7	6	0	1.122	/	Pass
		1732.5	6	0	1.116	/	Pass
		1754.3	6	0	1.107	/	Pass
3	QPSK	1711.5	15	0	2.743	/	Pass
		1732.5	15	0	2.727	/	Pass
		1753.5	15	0	2.723	/	Pass
	16QAM	1711.5	15	0	2.732	/	Pass
		1732.5	15	0	2.727	/	Pass
		1753.5	15	0	2.732	/	Pass
5	QPSK	1712.5	25	0	4.572	/	Pass
		1732.5	25	0	4.553	/	Pass
		1752.5	25	0	4.553	/	Pass
	16QAM	1712.5	25	0	4.549	/	Pass
		1732.5	25	0	4.586	/	Pass
		1752.5	25	0	4.544	/	Pass
10	QPSK	1715	50	0	9.051	/	Pass
		1732.5	50	0	9.053	/	Pass
		1750	50	0	9.052	/	Pass
	16QAM	1715	50	0	9.069	/	Pass
		1732.5	50	0	9.070	/	Pass
		1750	50	0	9.041	/	Pass
15	QPSK	1717.5	75	0	13.598	/	Pass
		1732.5	75	0	13.602	/	Pass
		1747.5	75	0	13.575	/	Pass
	16QAM	1717.5	75	0	13.573	/	Pass
		1732.5	75	0	13.604	/	Pass
		1747.5	75	0	13.587	/	Pass
20	QPSK	1720	100	0	18.016	/	Pass
		1732.5	100	0	18.146	/	Pass
		1745	100	0	18.143	/	Pass
	16QAM	1720	100	0	18.017	/	Pass
		1732.5	100	0	18.209	/	Pass
		1745	100	0	18.171	/	Pass

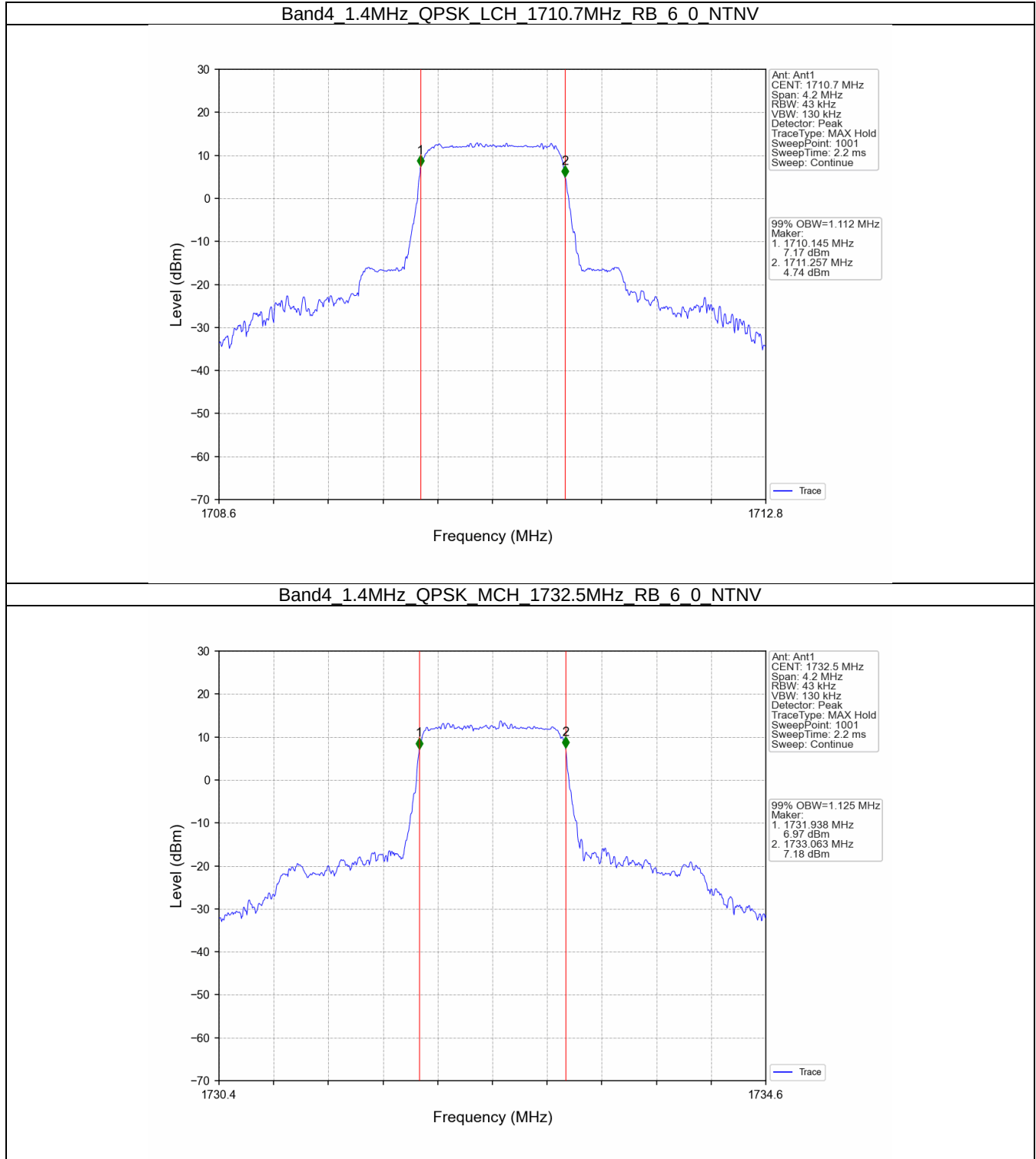
4.1.2 Band4_XDB

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	1.306	/	Pass

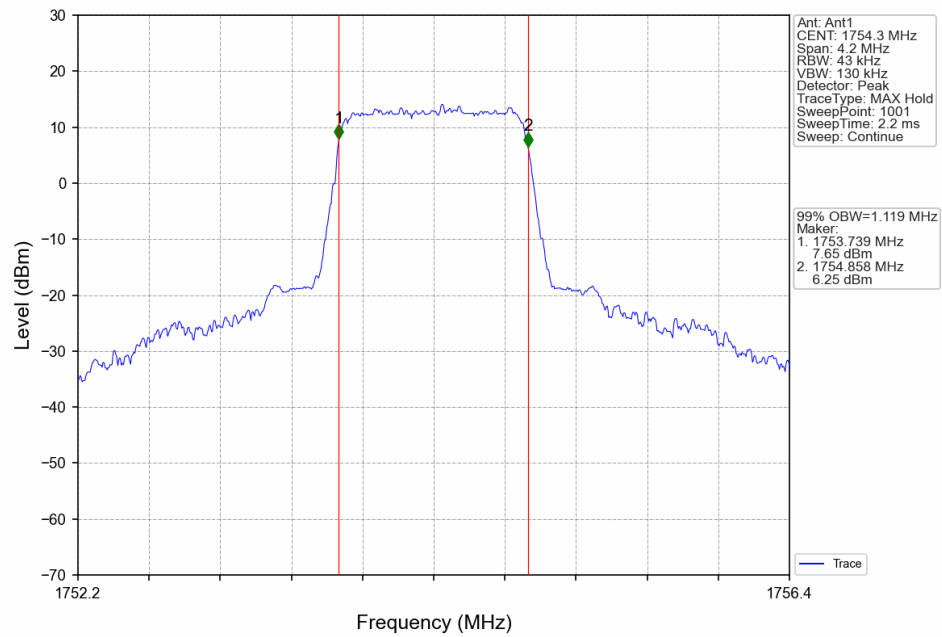
	16QAM	1732.5	6	0	1.302	/	Pass
		1754.3	6	0	1.304	/	Pass
		1710.7	6	0	1.327	/	Pass
		1732.5	6	0	1.305	/	Pass
		1754.3	6	0	1.321	/	Pass
3	QPSK	1711.5	15	0	3.056	/	Pass
		1732.5	15	0	3.048	/	Pass
		1753.5	15	0	3.027	/	Pass
	16QAM	1711.5	15	0	3.051	/	Pass
		1732.5	15	0	3.044	/	Pass
		1753.5	15	0	3.018	/	Pass
5	QPSK	1712.5	25	0	5.039	/	Pass
		1732.5	25	0	4.983	/	Pass
		1752.5	25	0	4.984	/	Pass
	16QAM	1712.5	25	0	4.987	/	Pass
		1732.5	25	0	5.020	/	Pass
		1752.5	25	0	5.020	/	Pass
10	QPSK	1715	50	0	9.869	/	Pass
		1732.5	50	0	9.861	/	Pass
		1750	50	0	9.909	/	Pass
	16QAM	1715	50	0	9.897	/	Pass
		1732.5	50	0	9.864	/	Pass
		1750	50	0	9.875	/	Pass
15	QPSK	1717.5	75	0	14.917	/	Pass
		1732.5	75	0	14.793	/	Pass
		1747.5	75	0	14.771	/	Pass
	16QAM	1717.5	75	0	14.877	/	Pass
		1732.5	75	0	14.835	/	Pass
		1747.5	75	0	14.867	/	Pass
20	QPSK	1720	100	0	19.601	/	Pass
		1732.5	100	0	19.645	/	Pass
		1745	100	0	19.833	/	Pass
	16QAM	1720	100	0	19.629	/	Pass
		1732.5	100	0	19.687	/	Pass
		1745	100	0	19.723	/	Pass

4.2 Test Graph

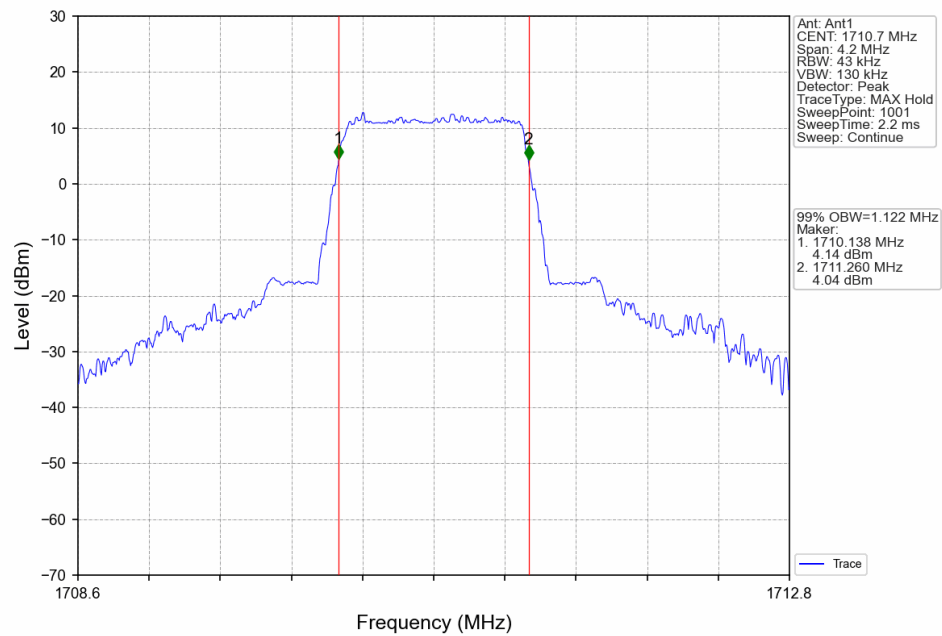
4.2.1 Band4_OBW



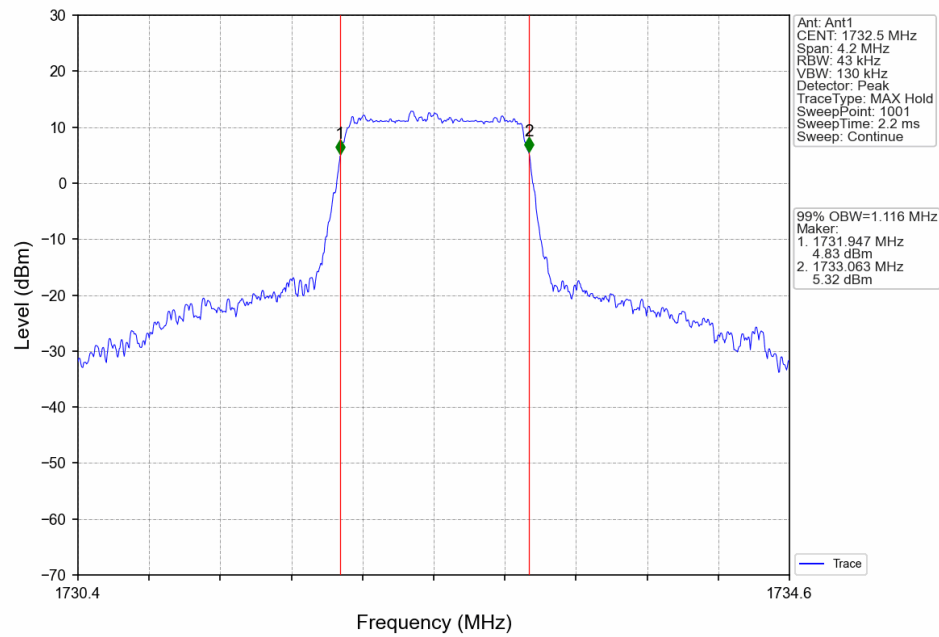
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



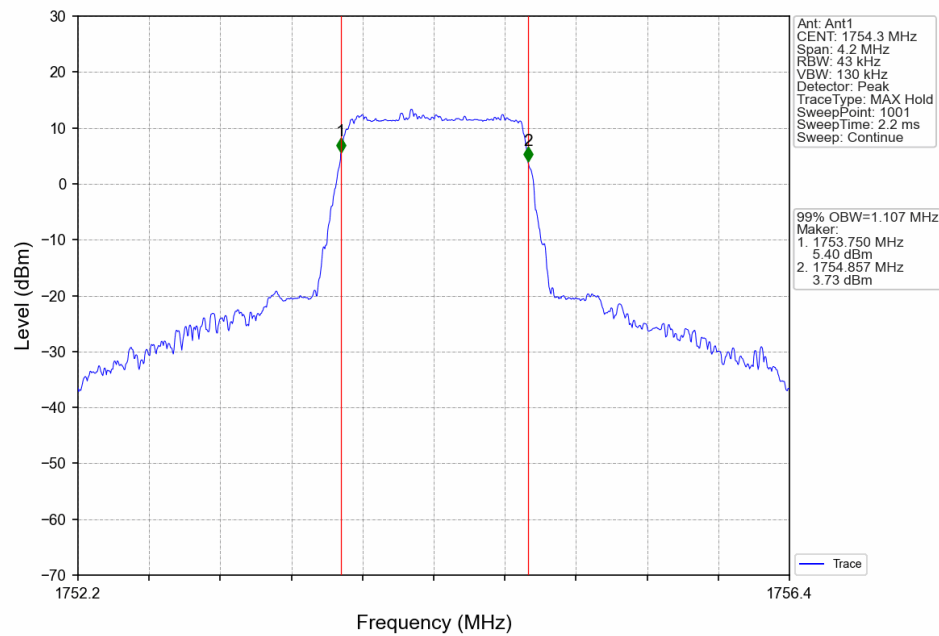
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



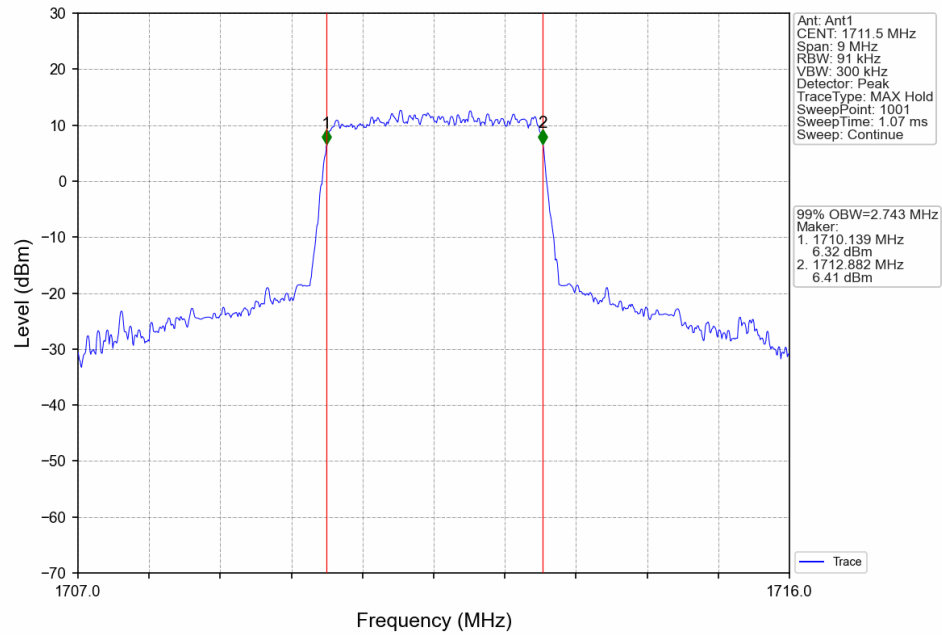
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



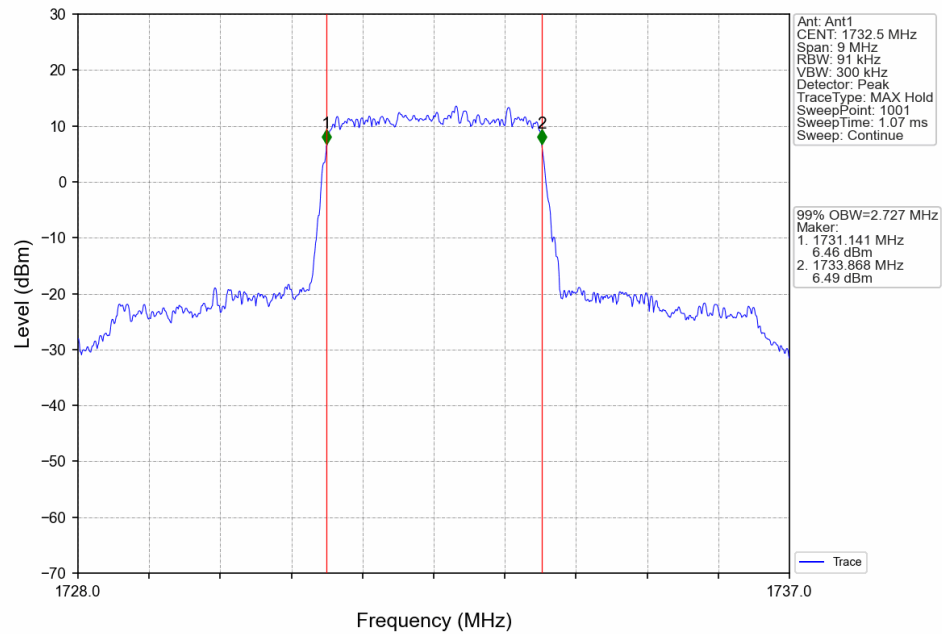
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



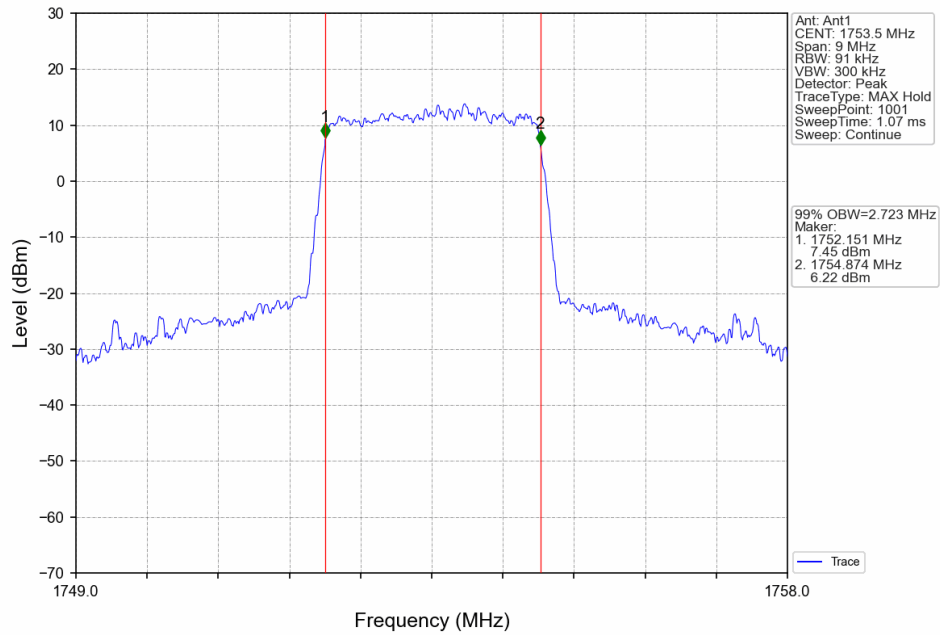
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



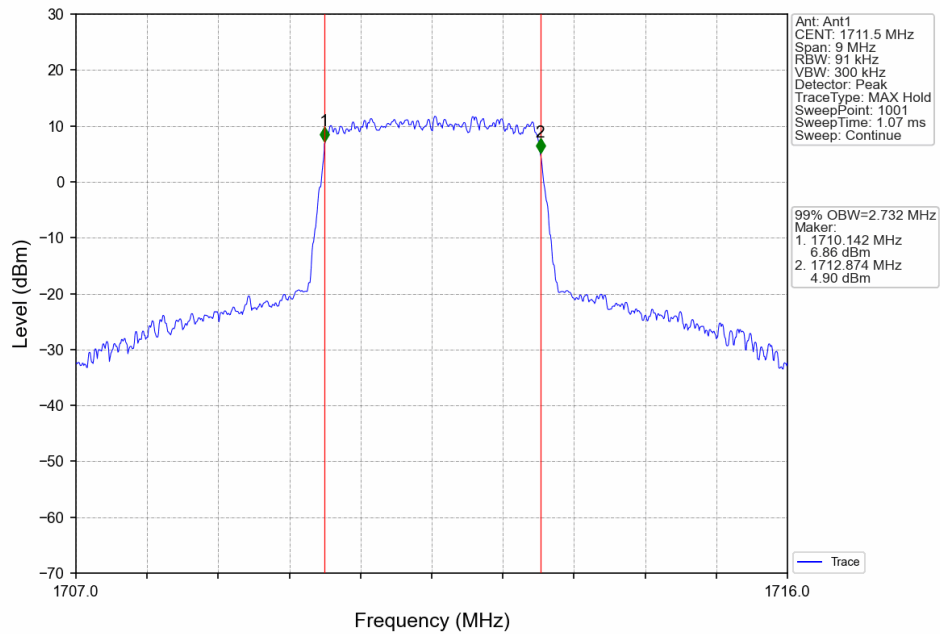
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



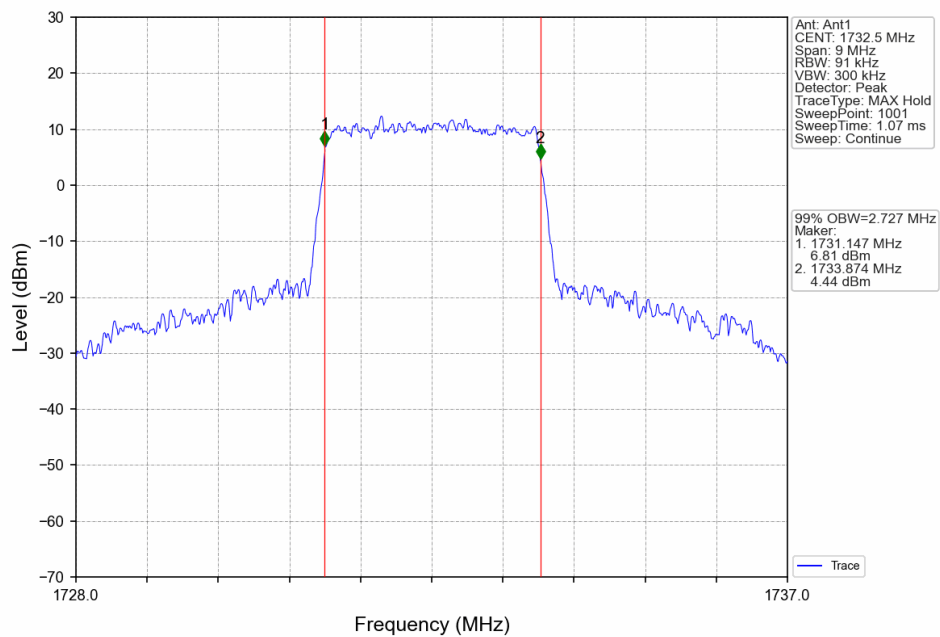
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



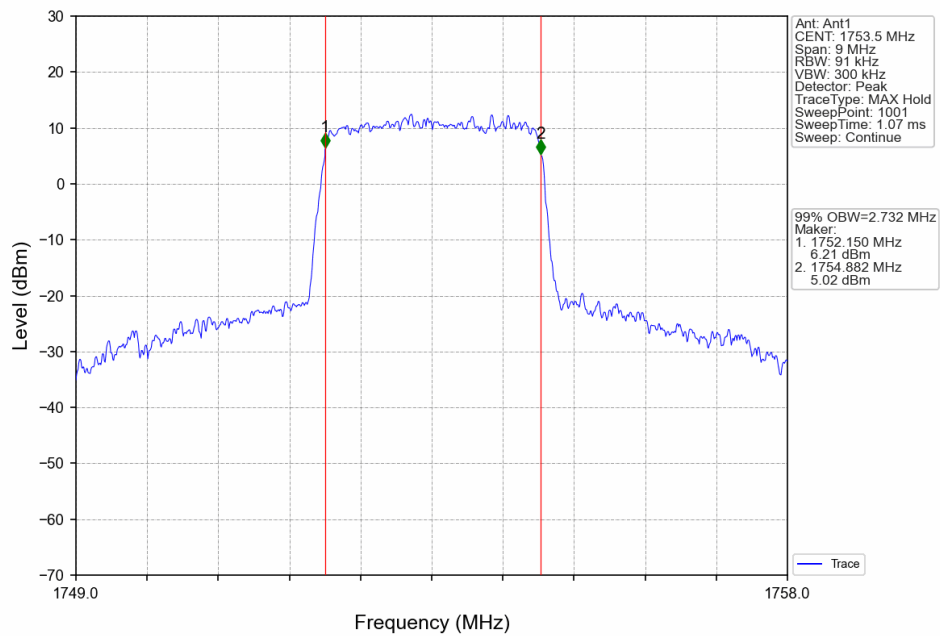
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



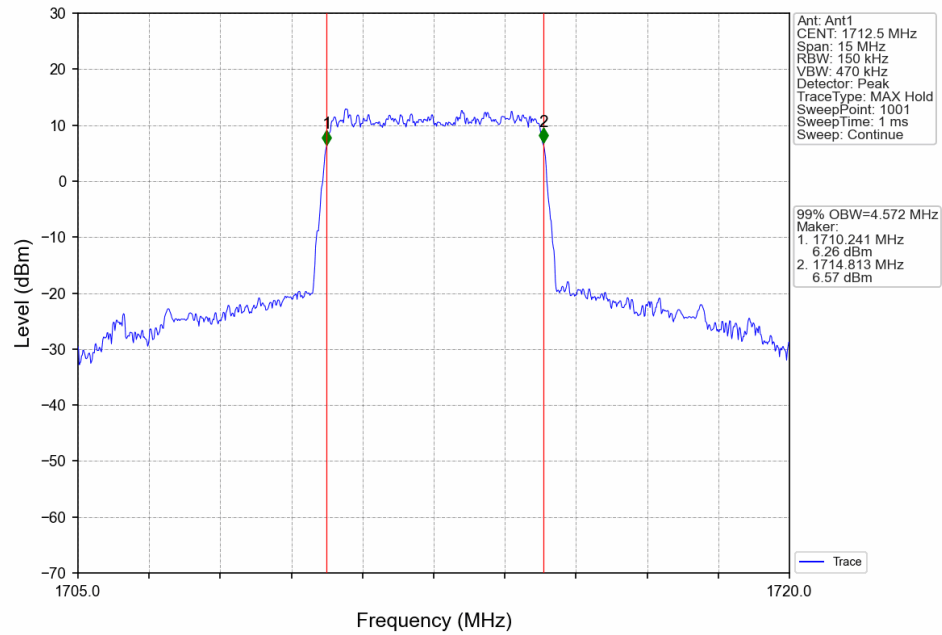
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



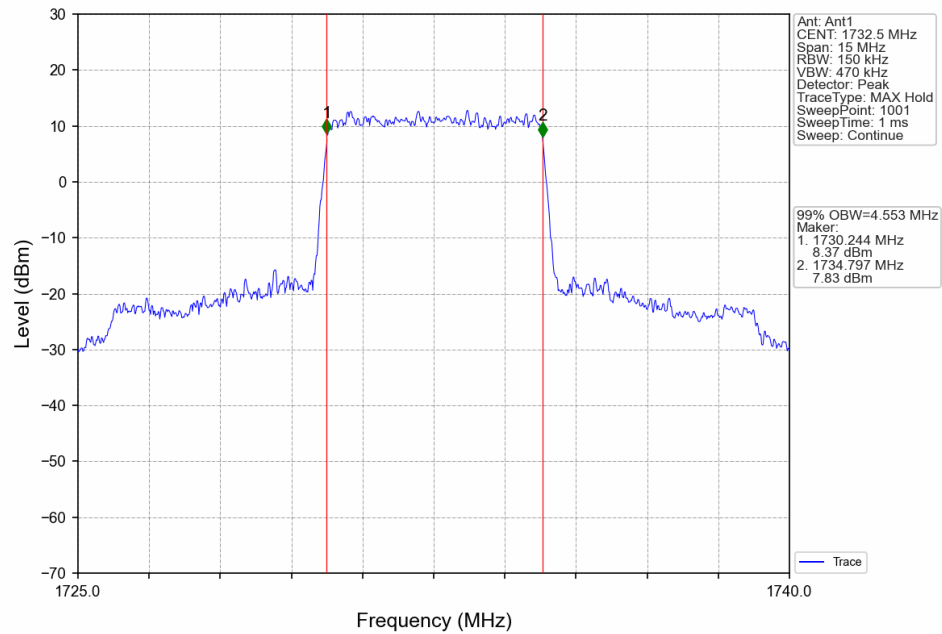
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



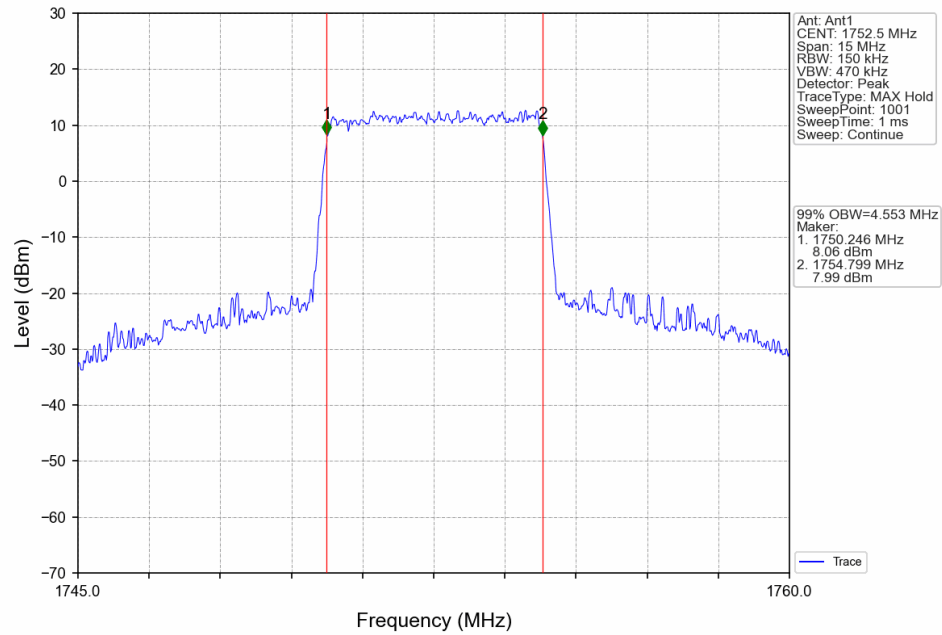
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



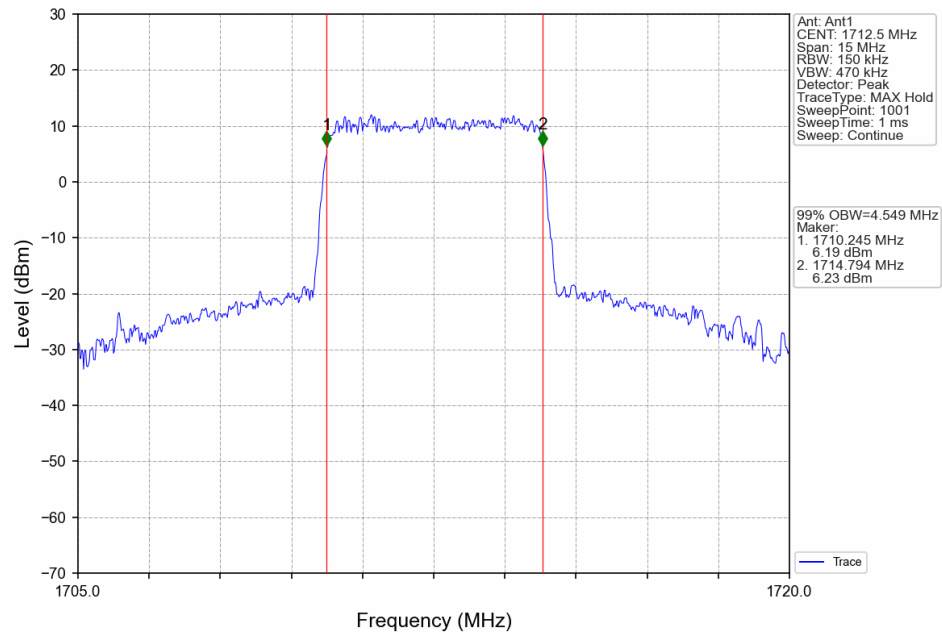
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



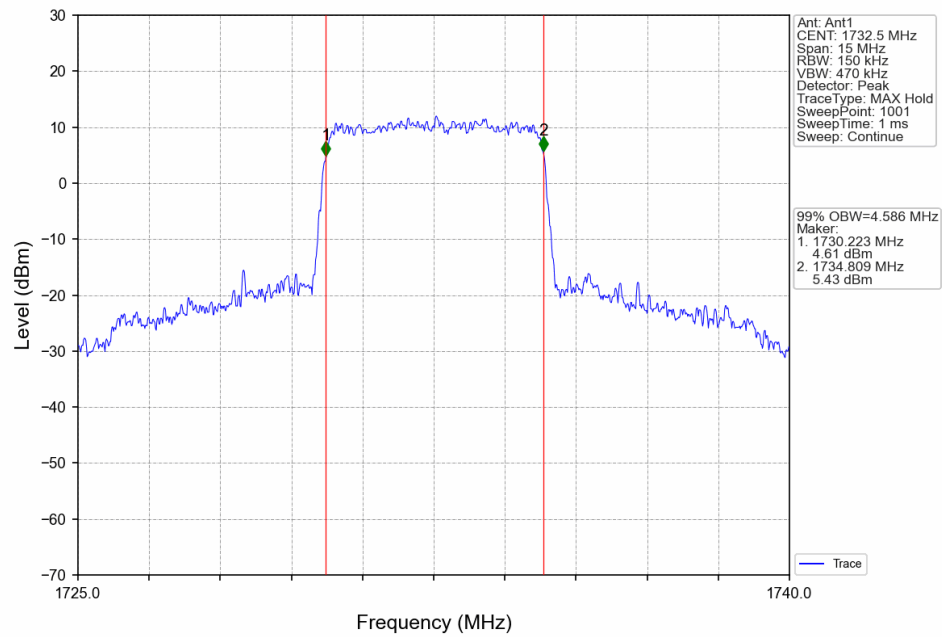
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



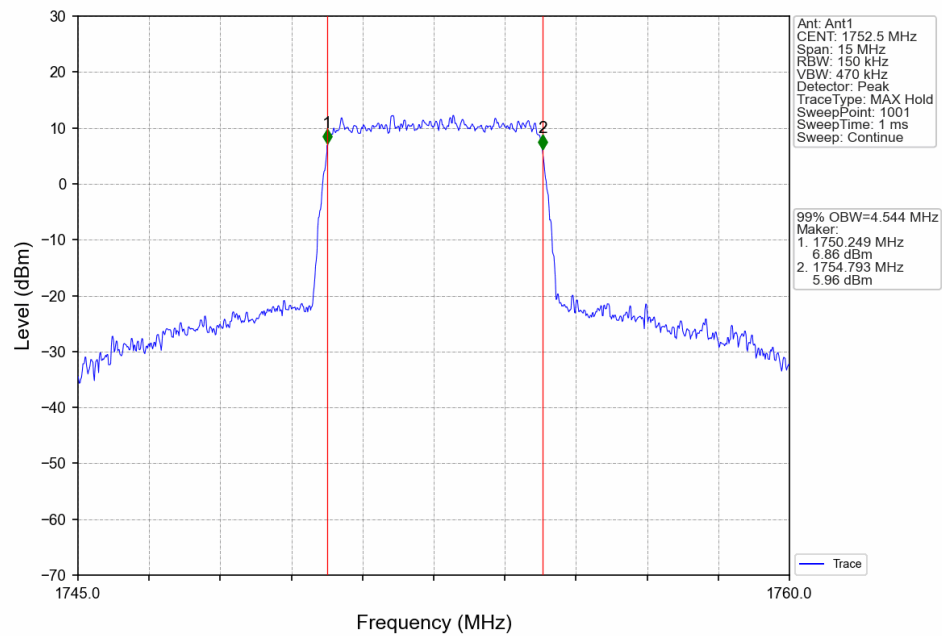
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



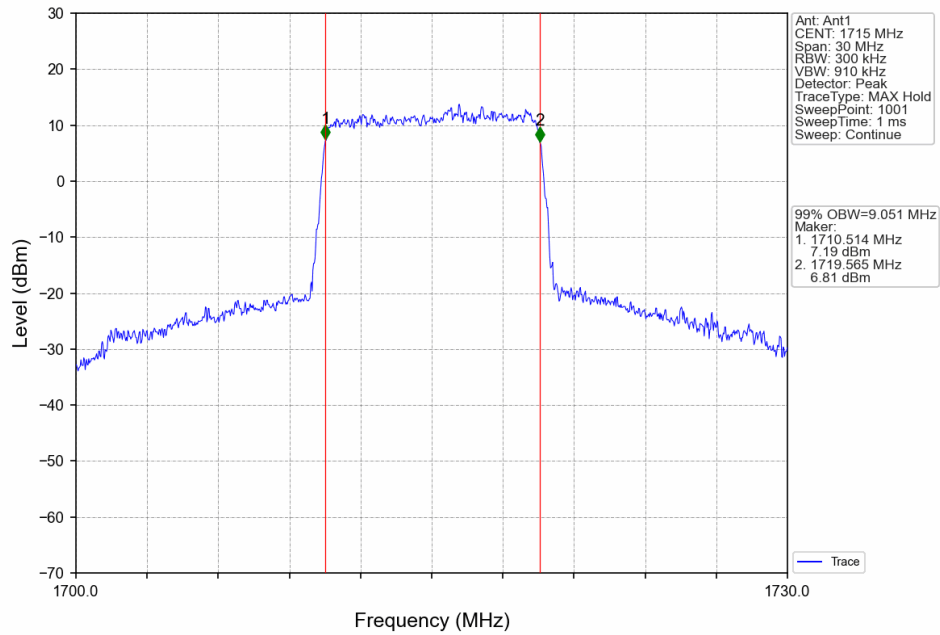
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



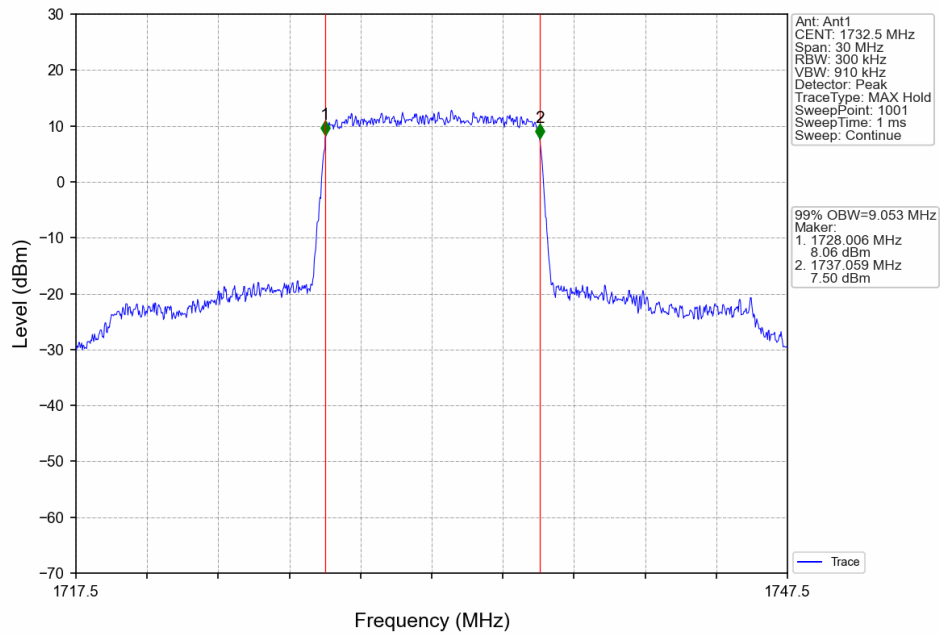
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



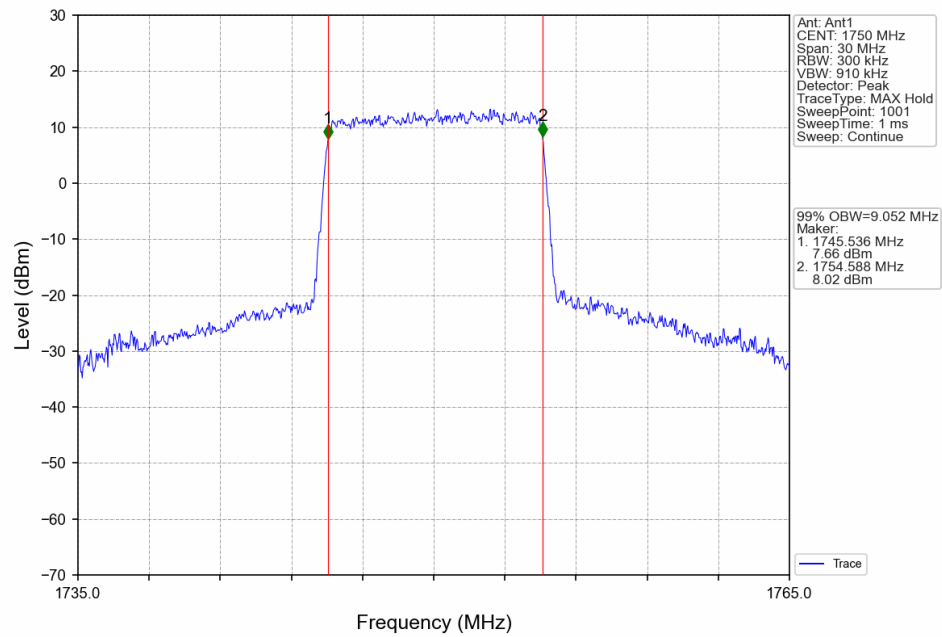
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



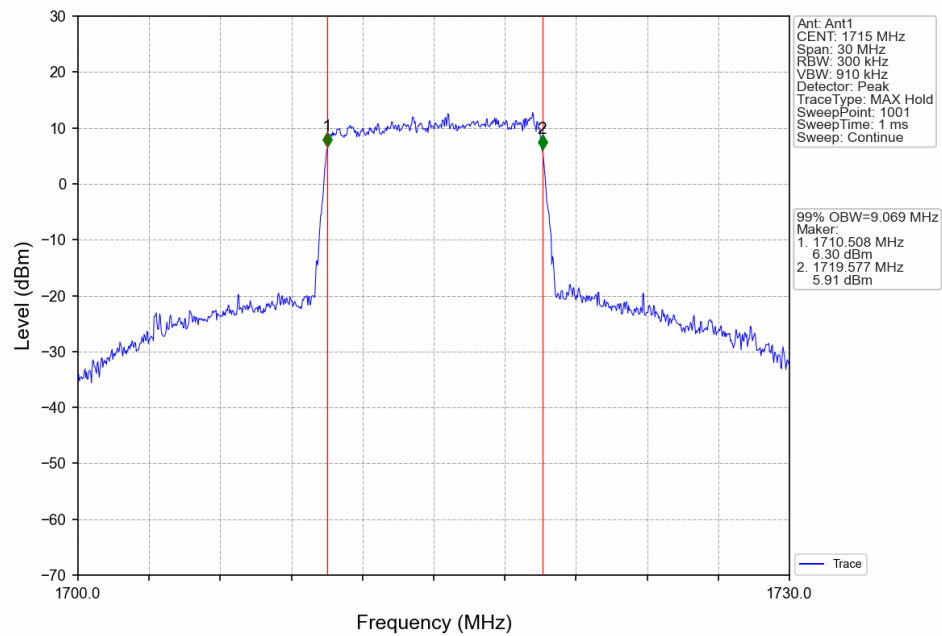
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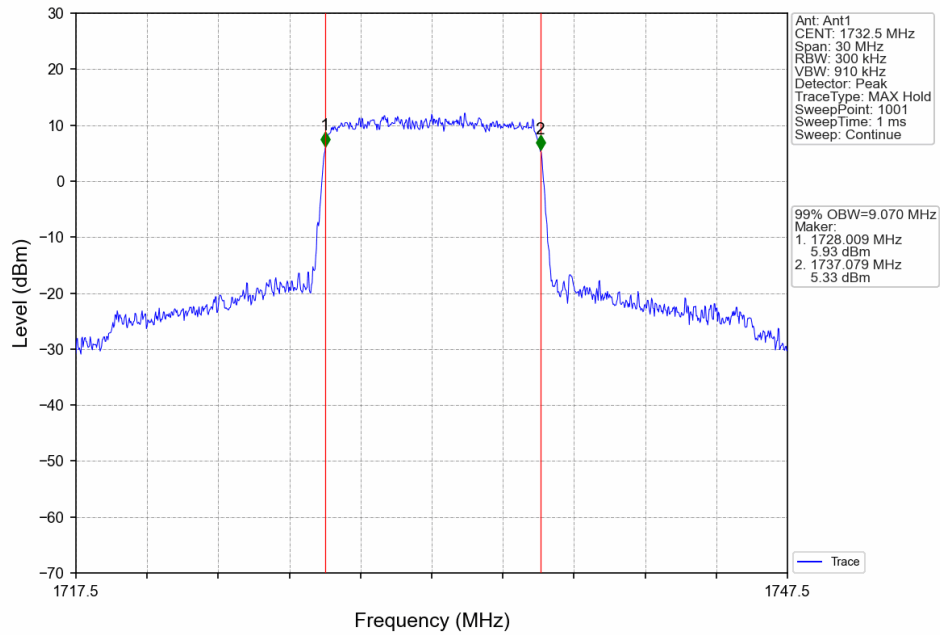
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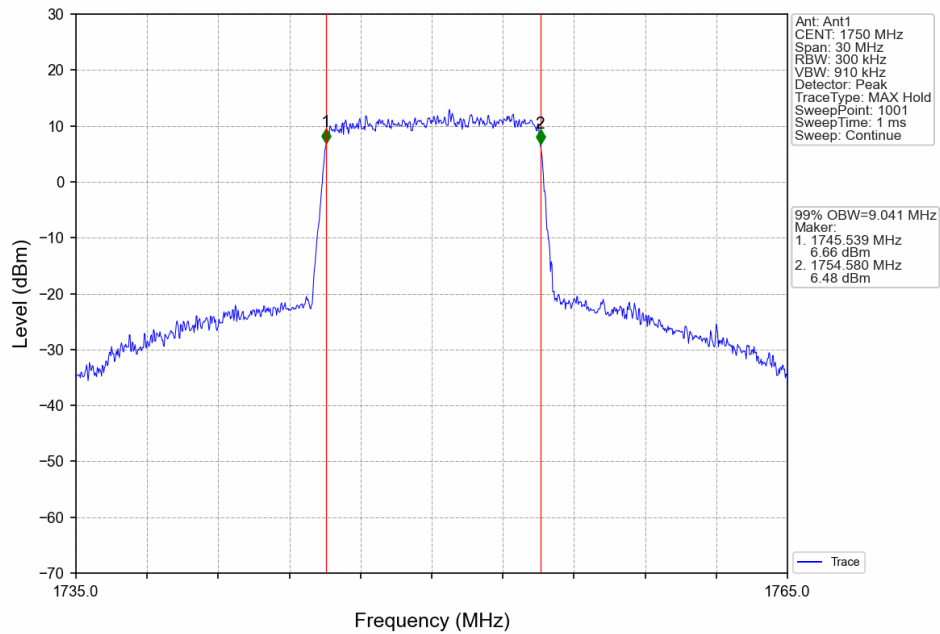
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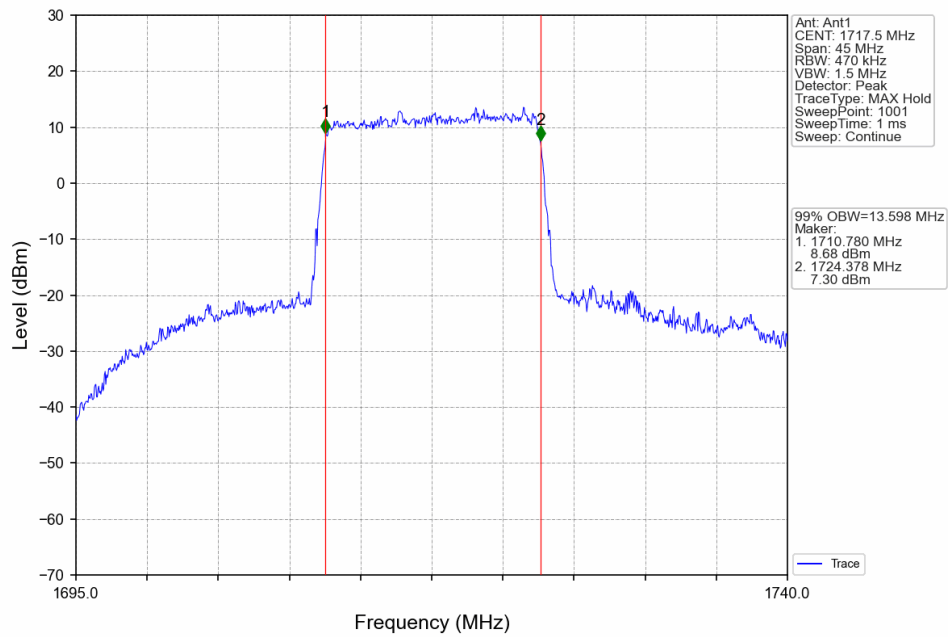
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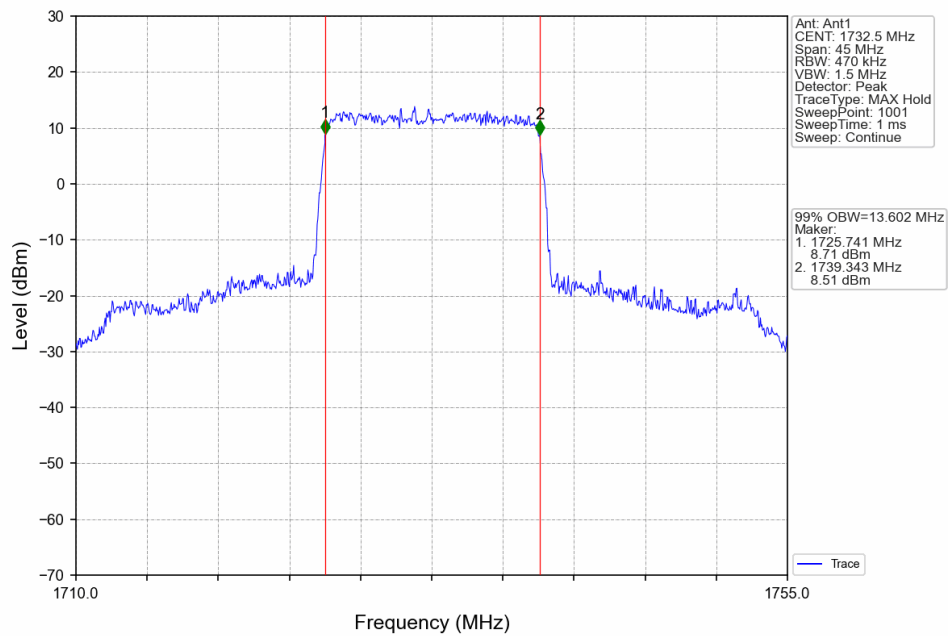
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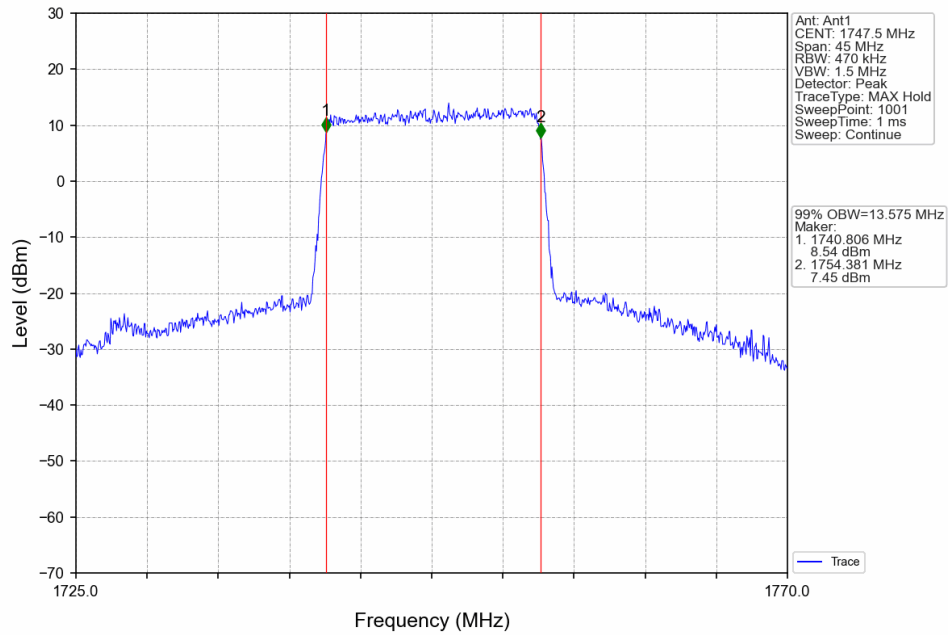
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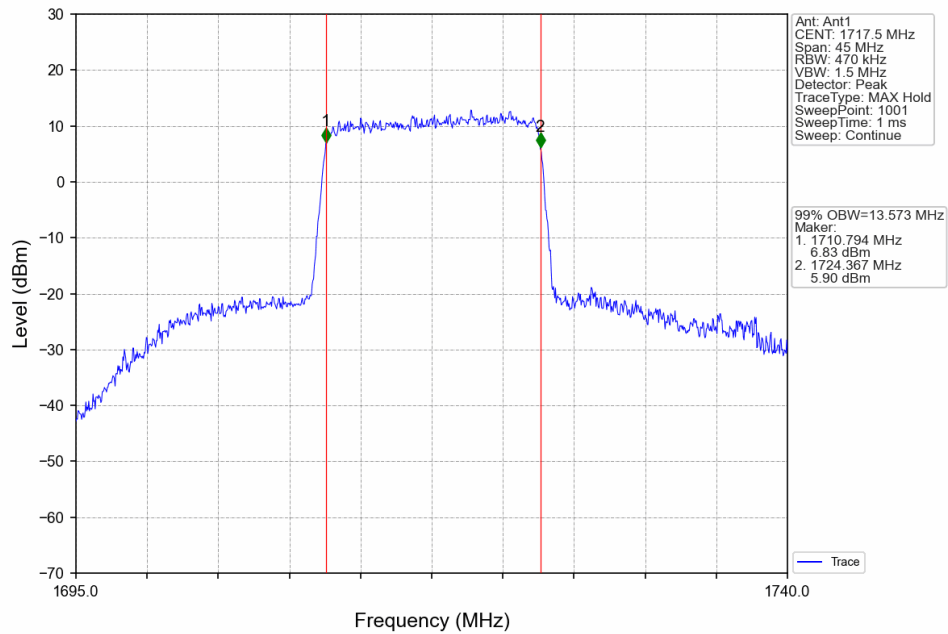
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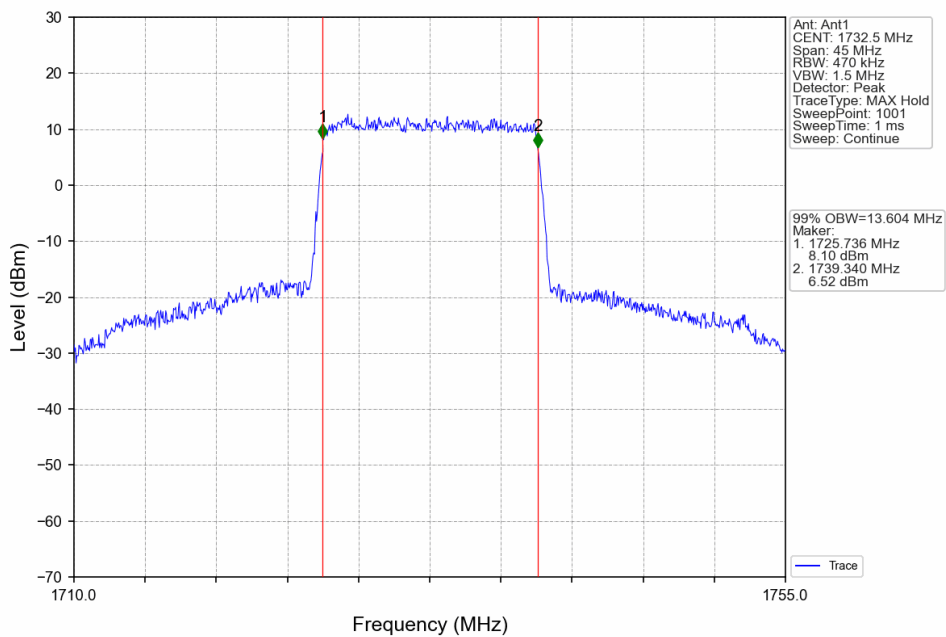
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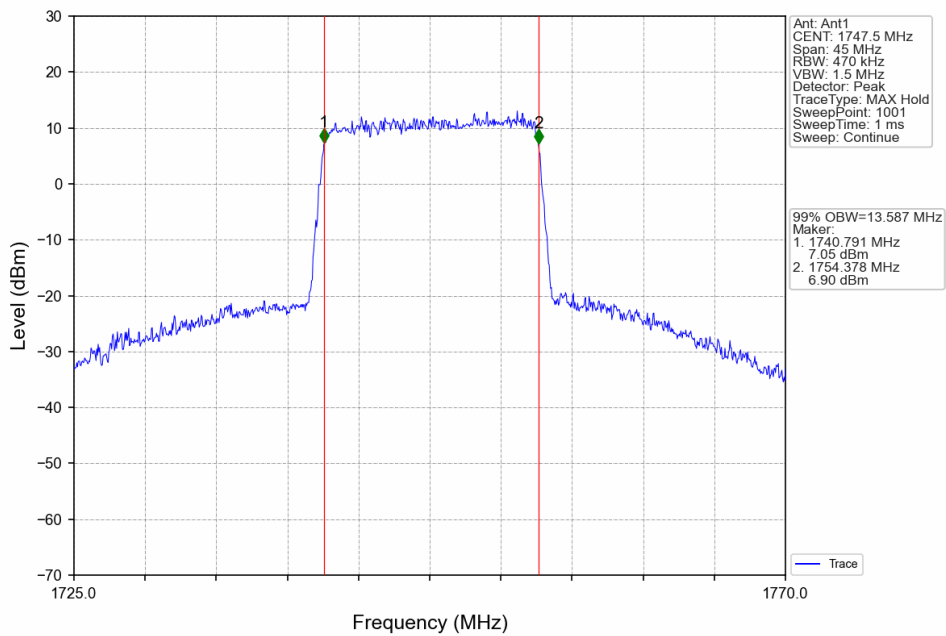
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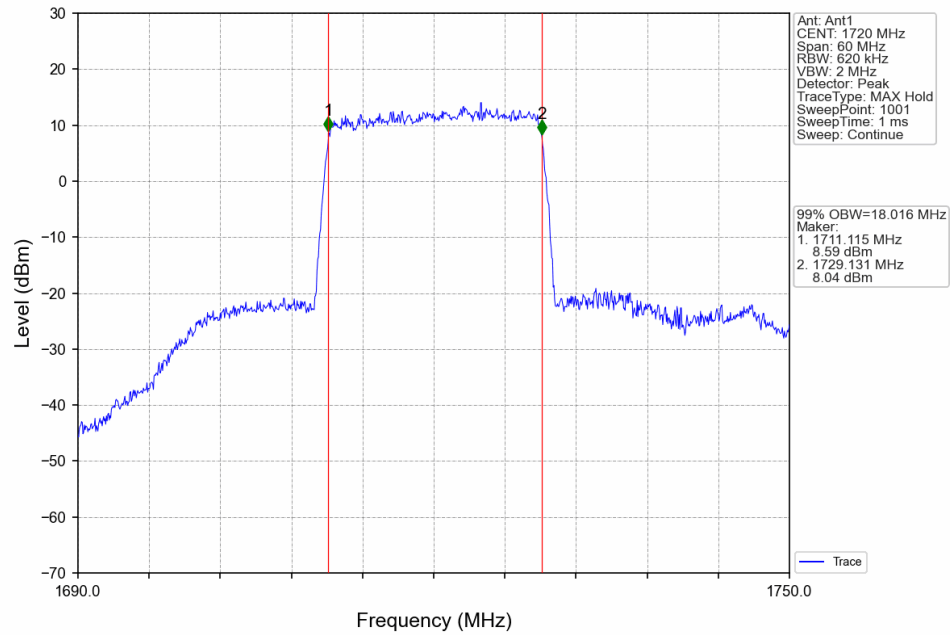
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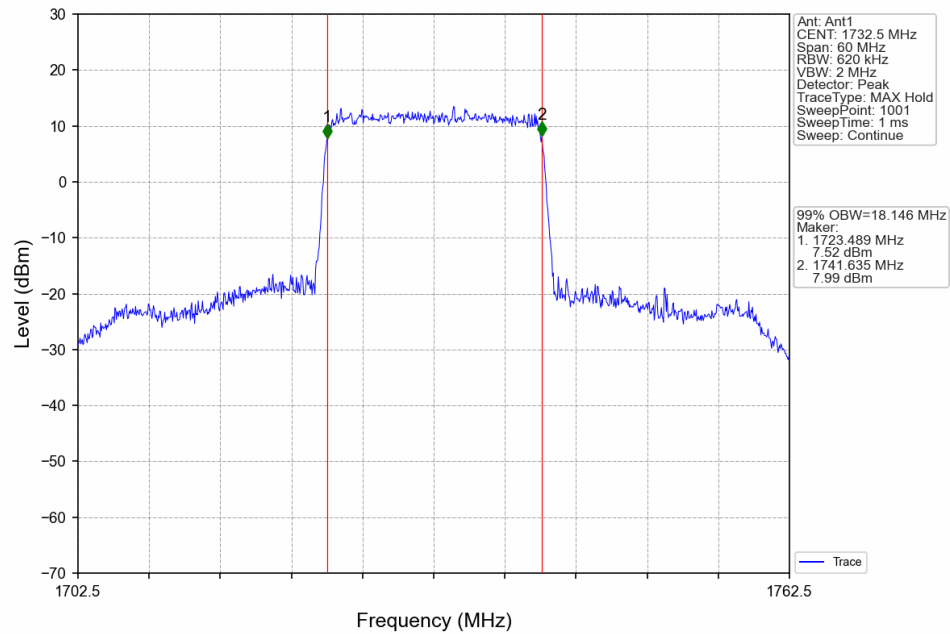
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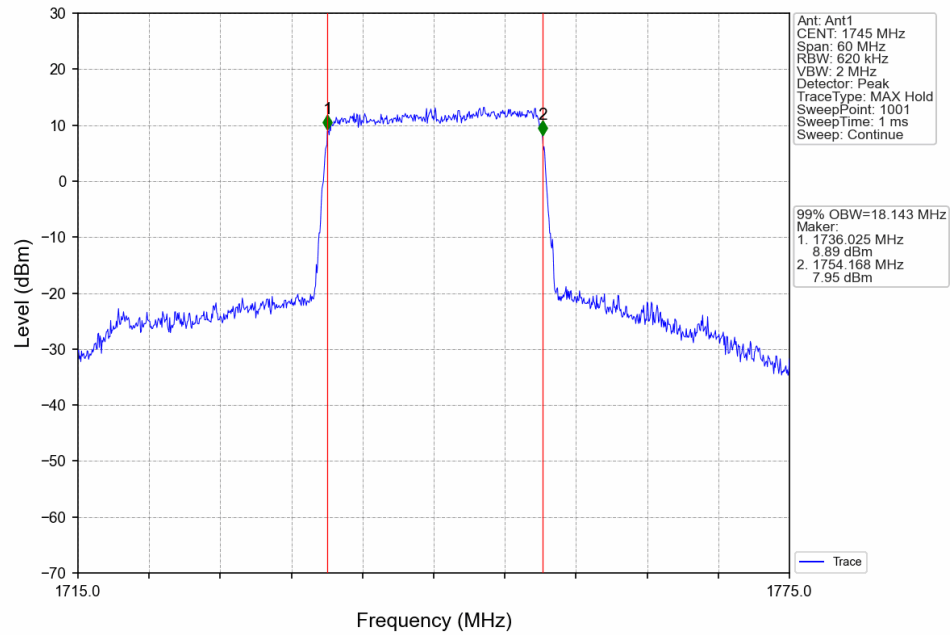
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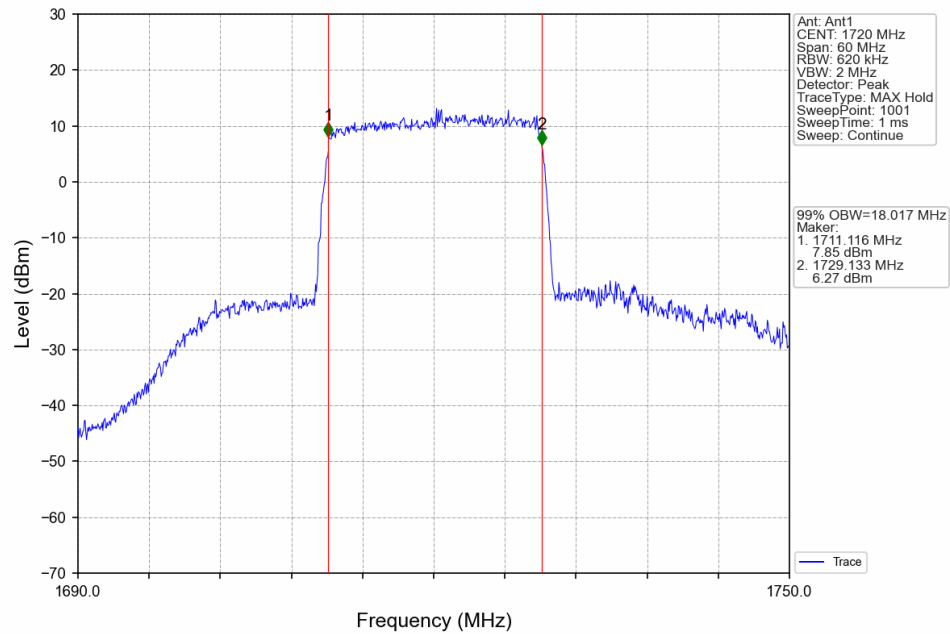
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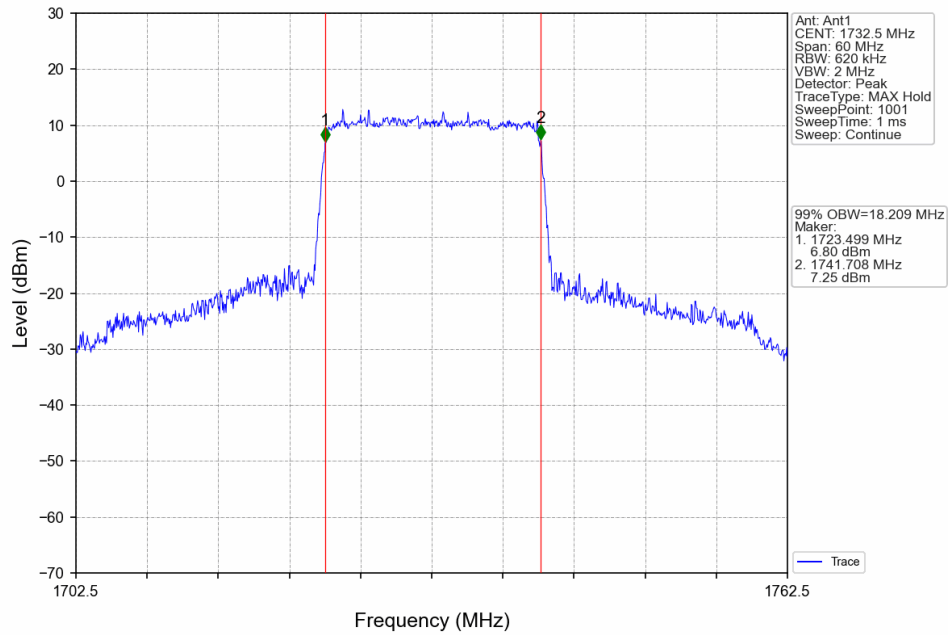
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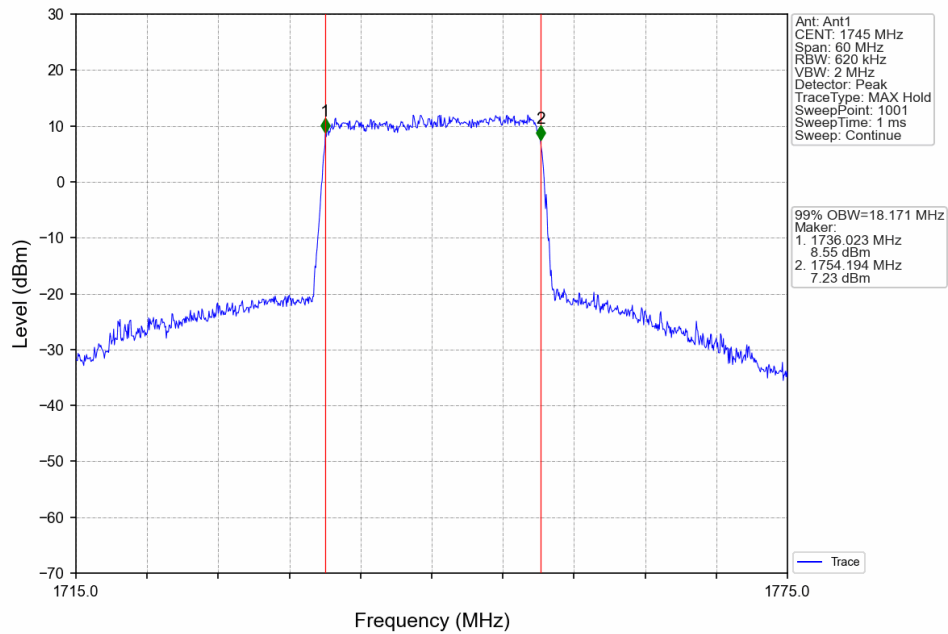
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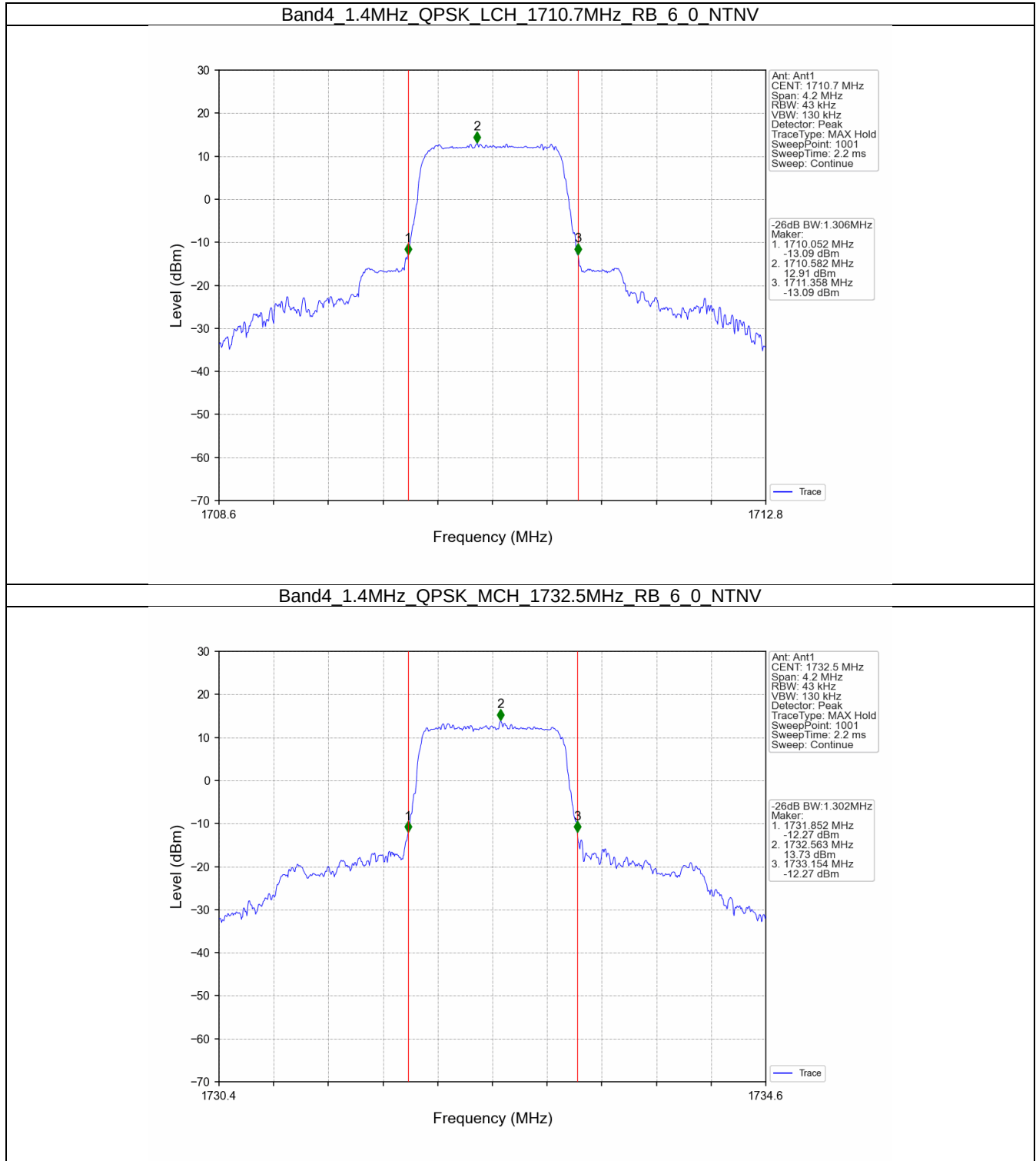
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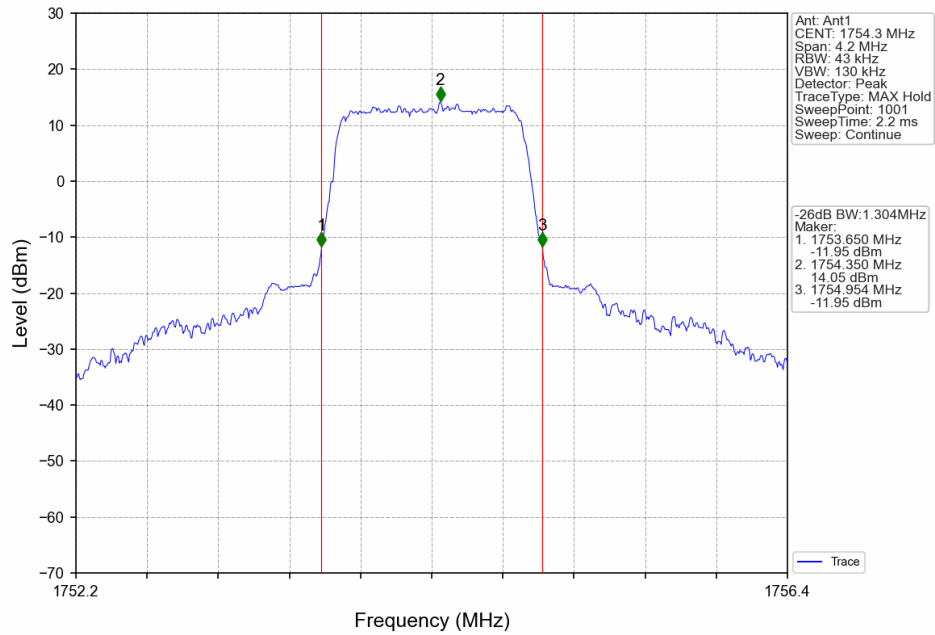
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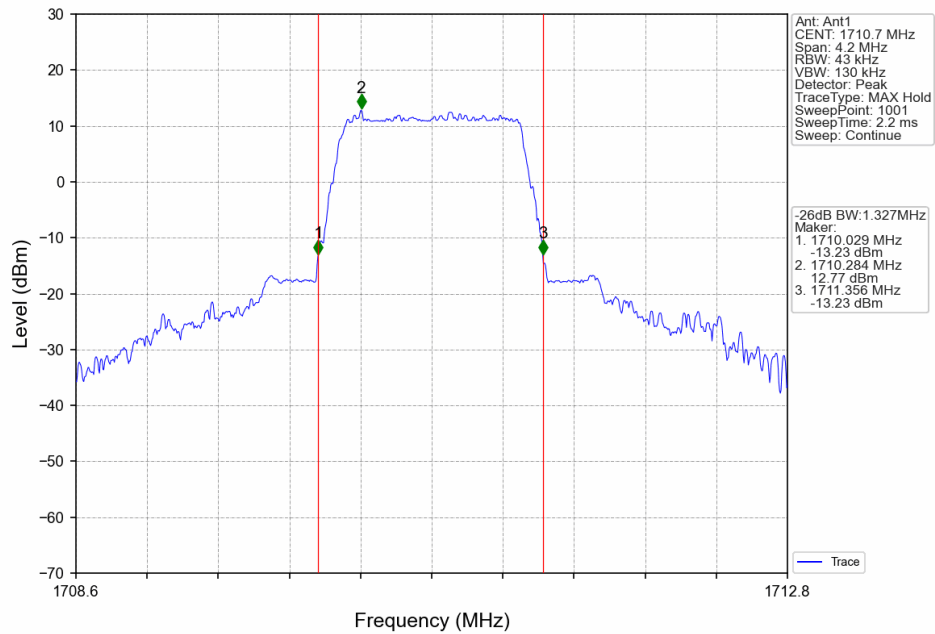
4.2.2 Band4_XDB



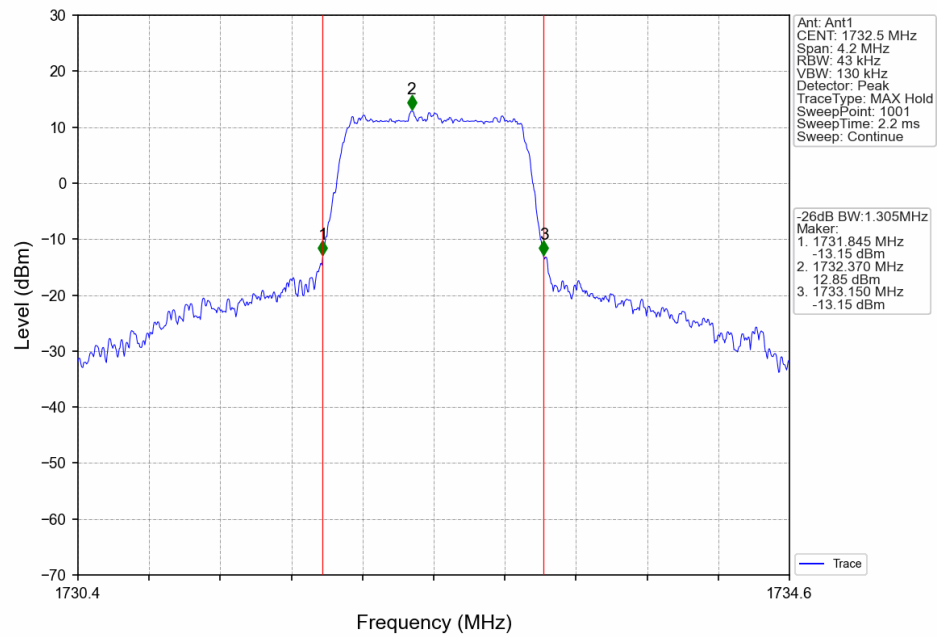
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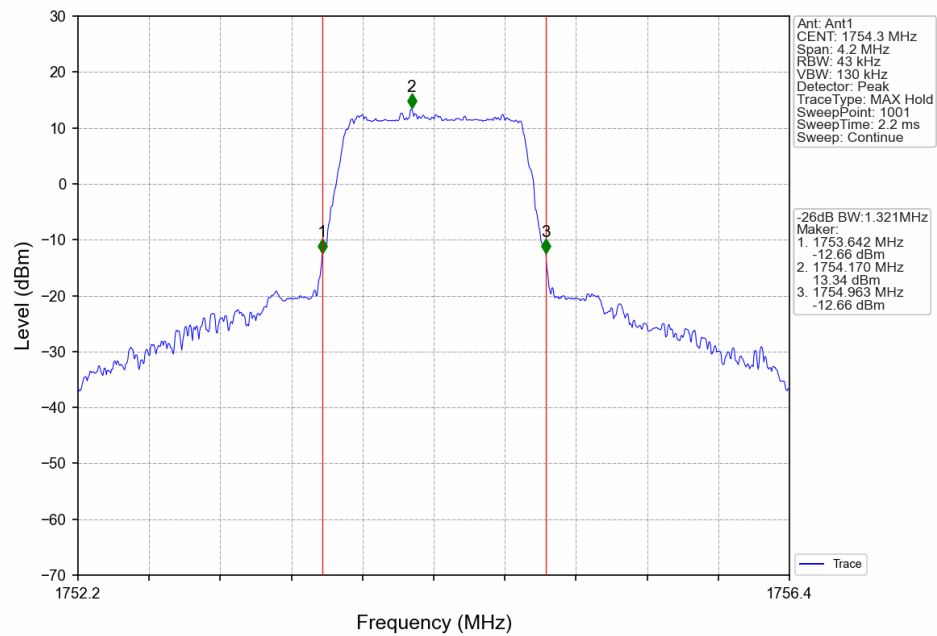
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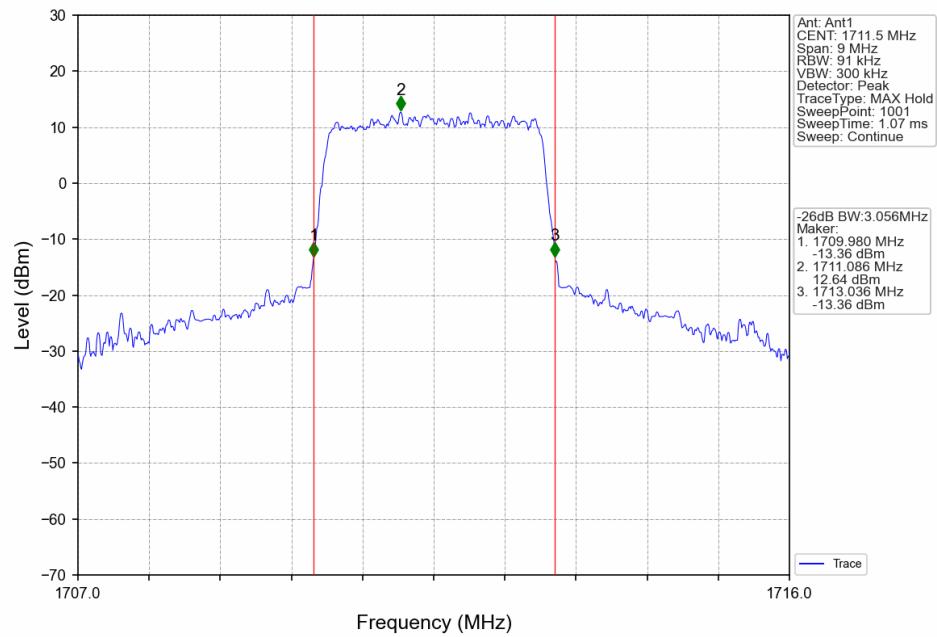
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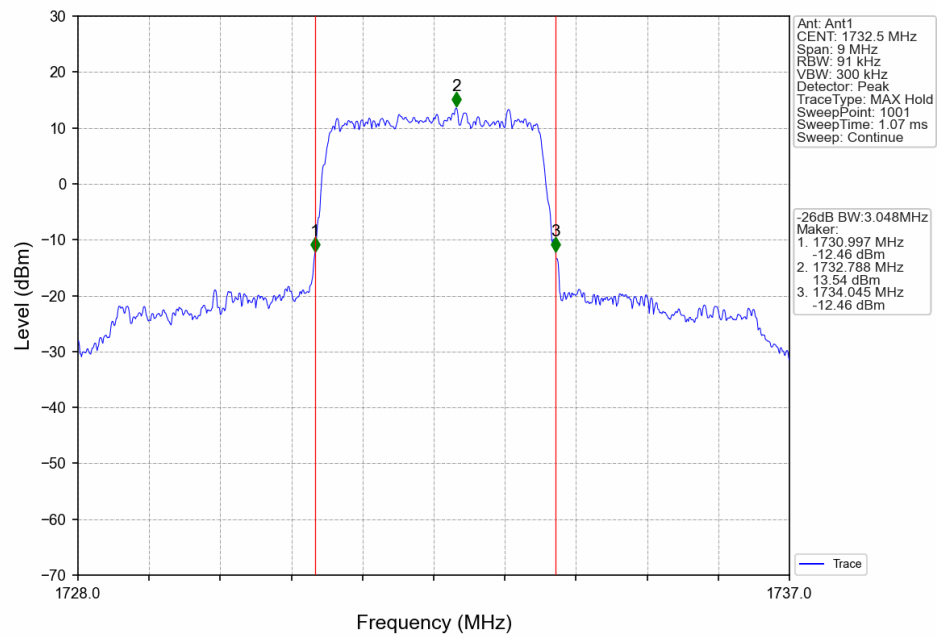
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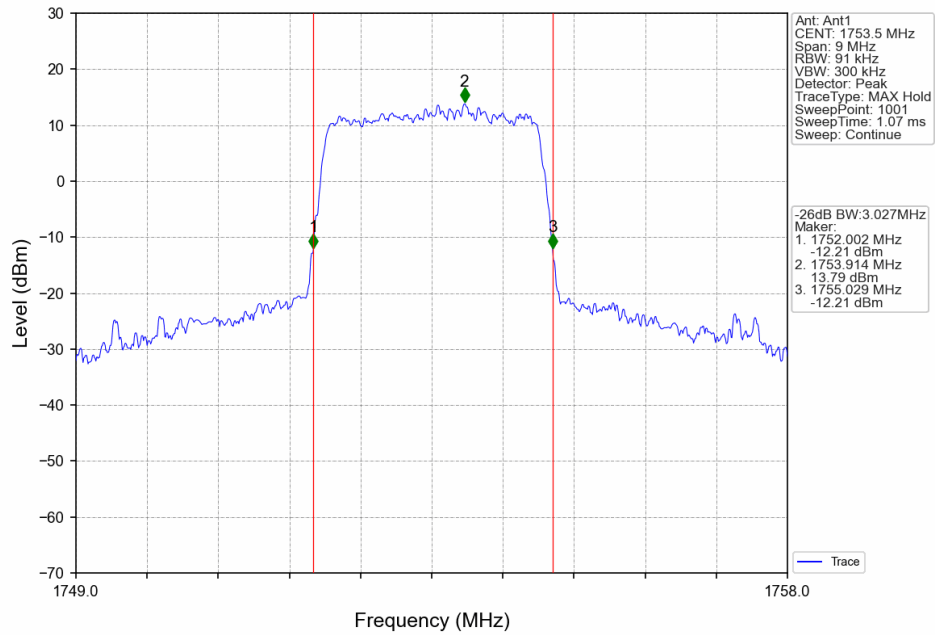
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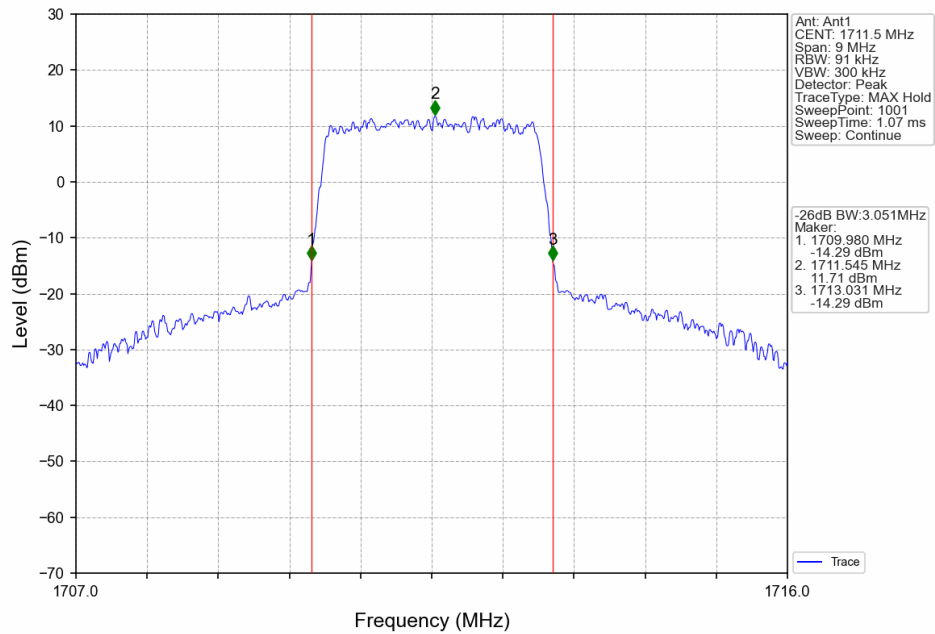
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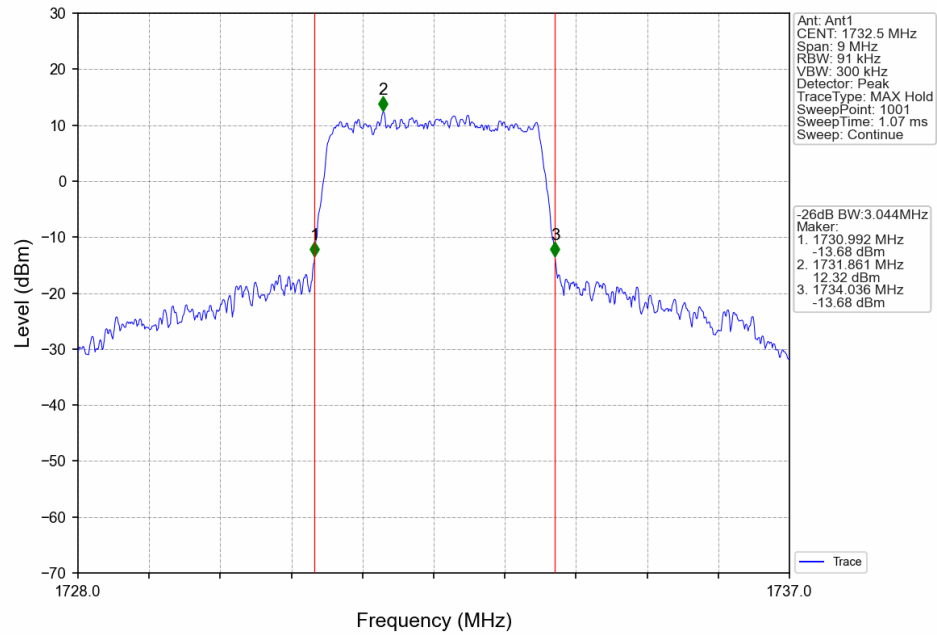
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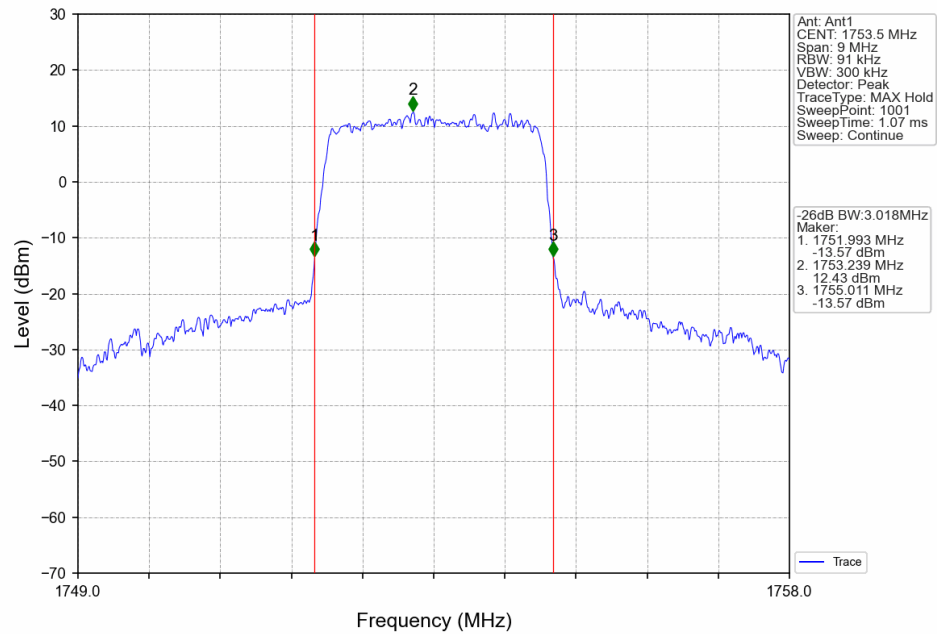
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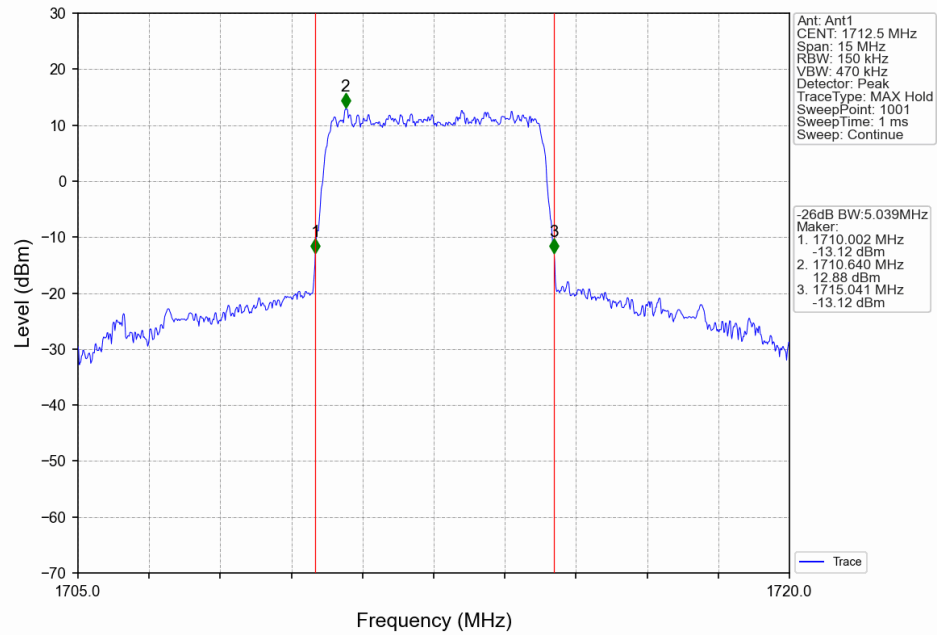
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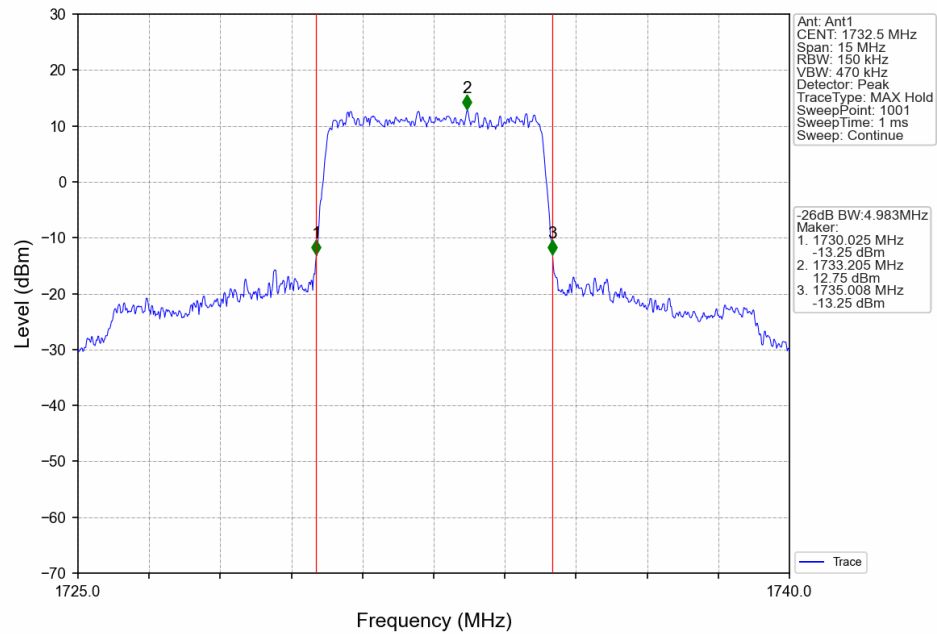
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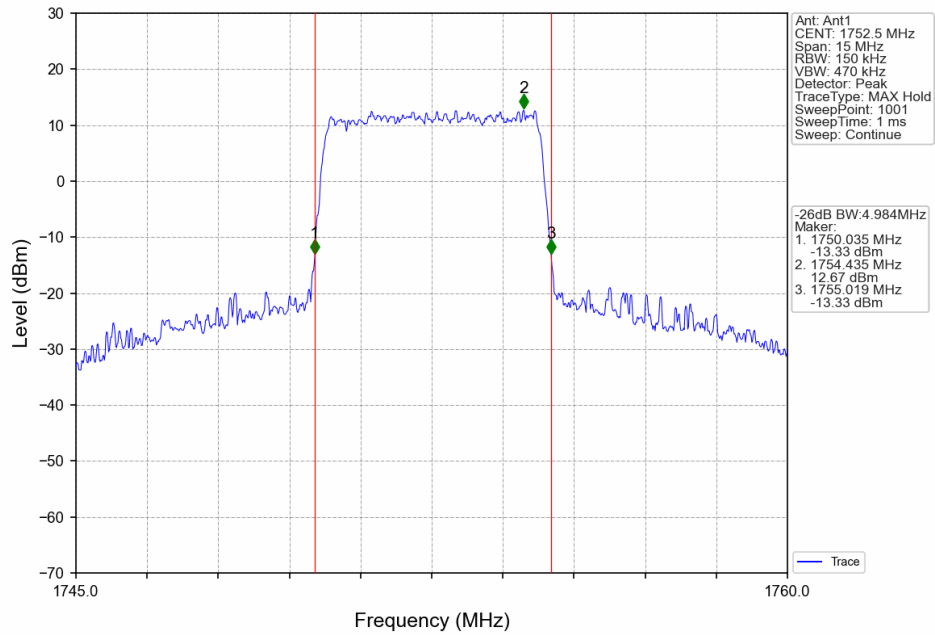
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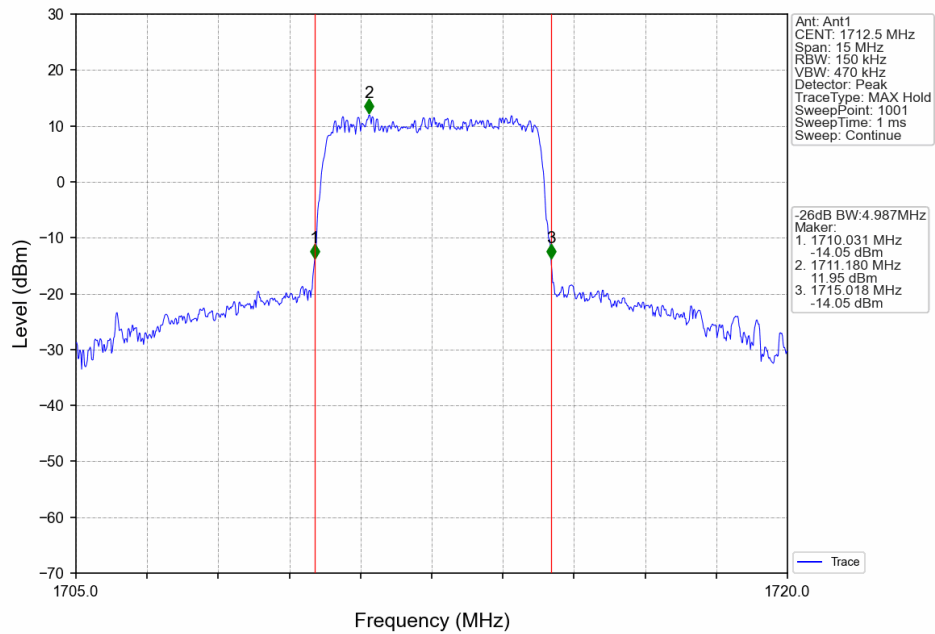
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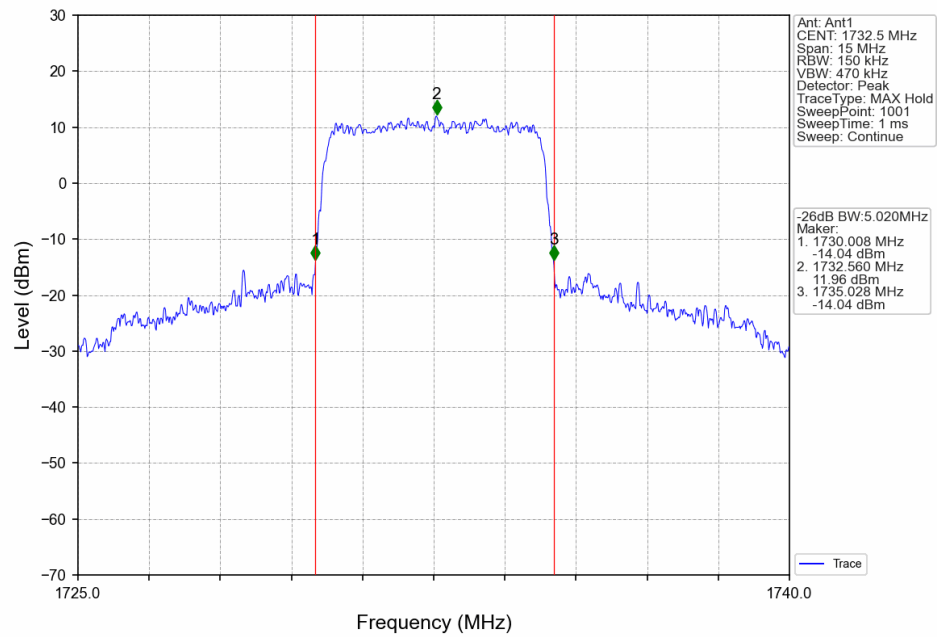
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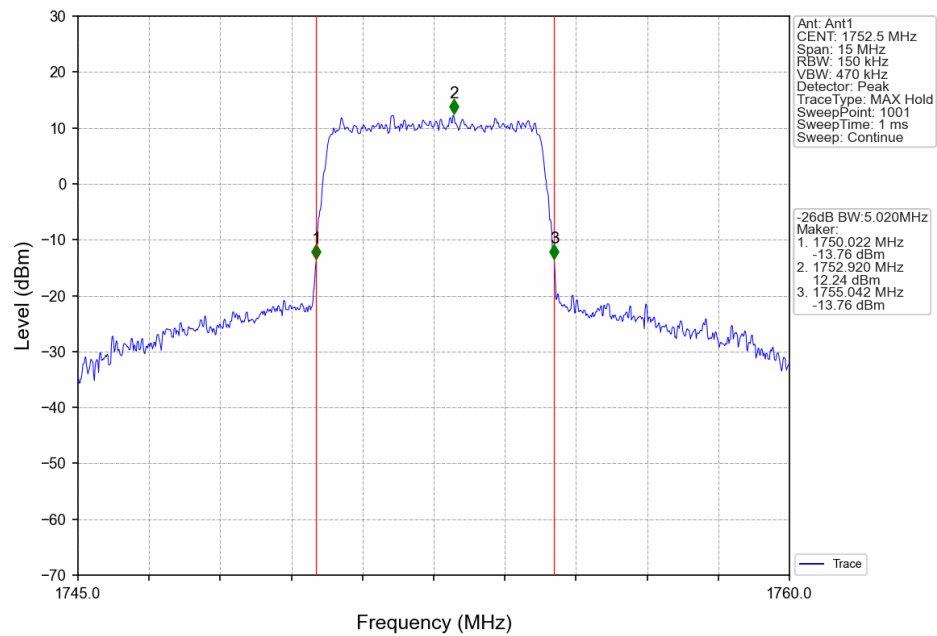
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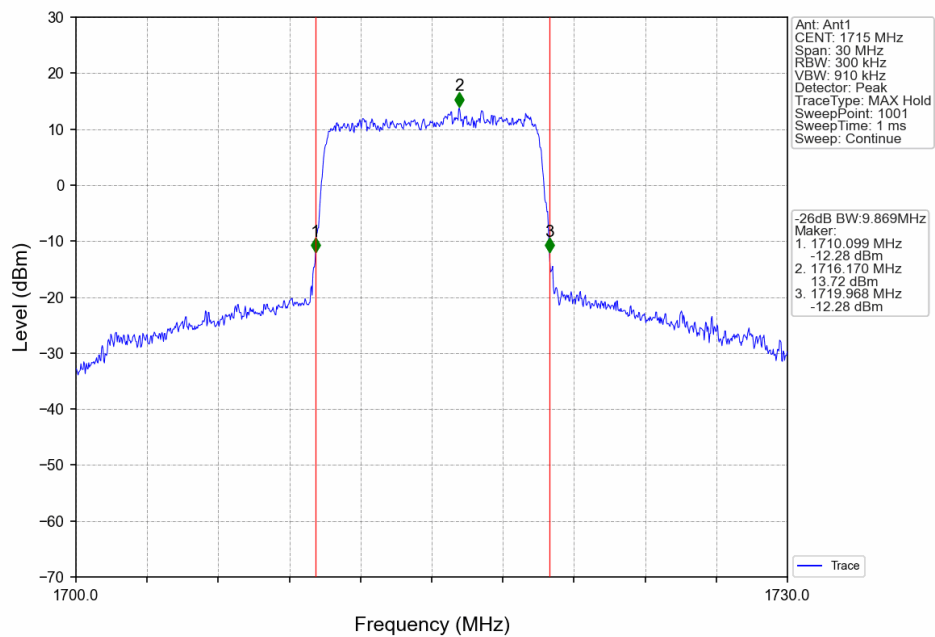
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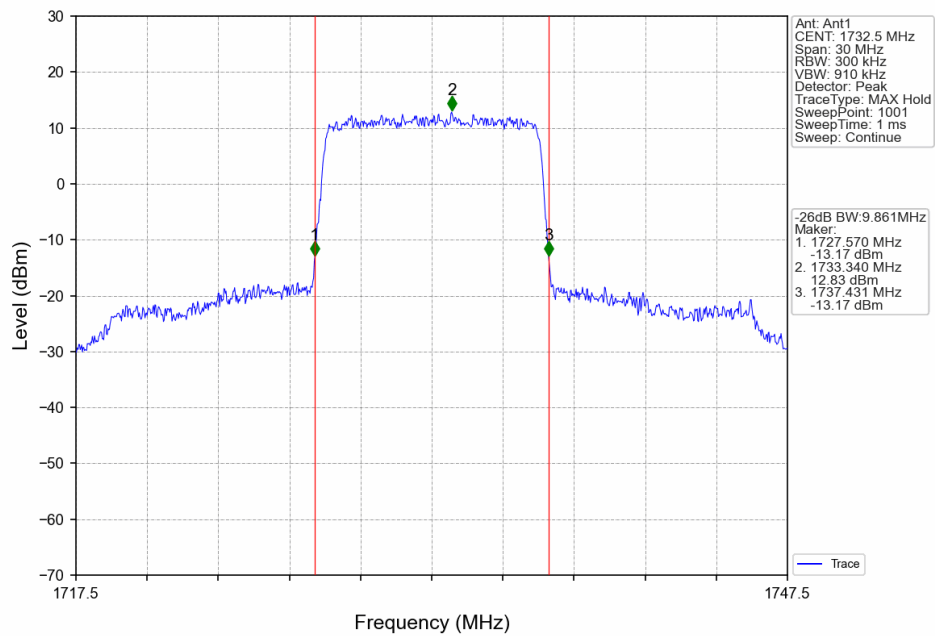
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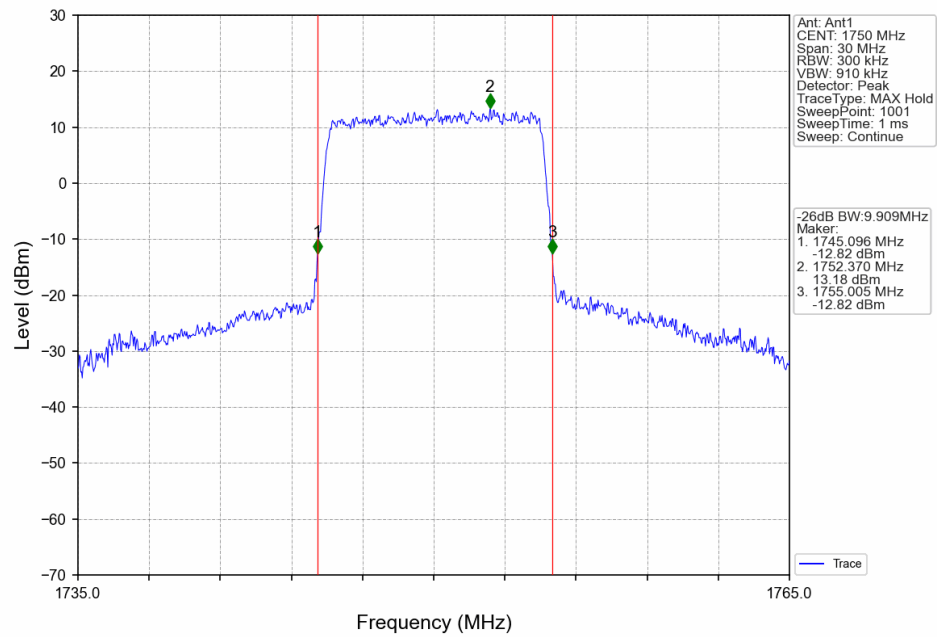
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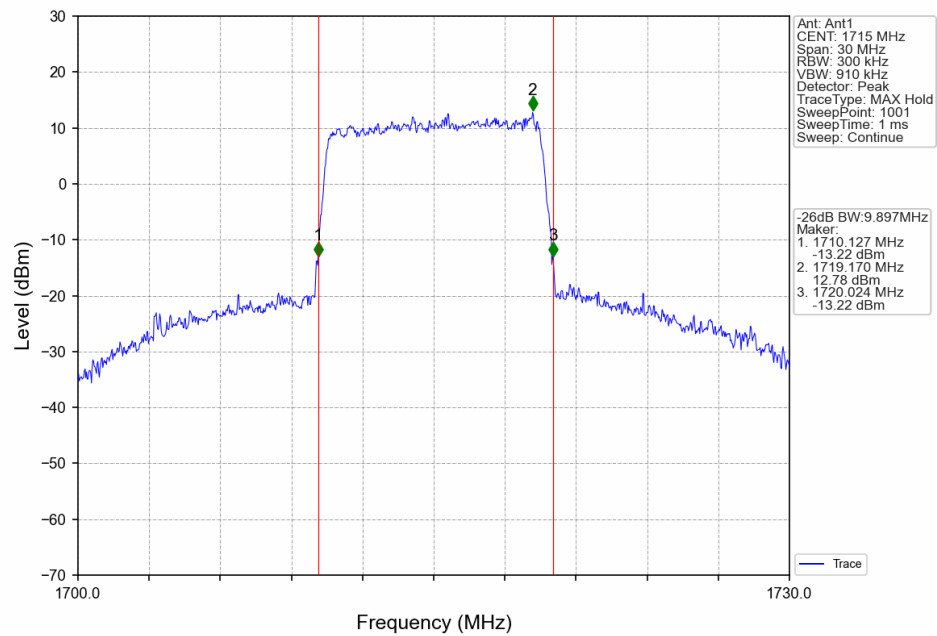
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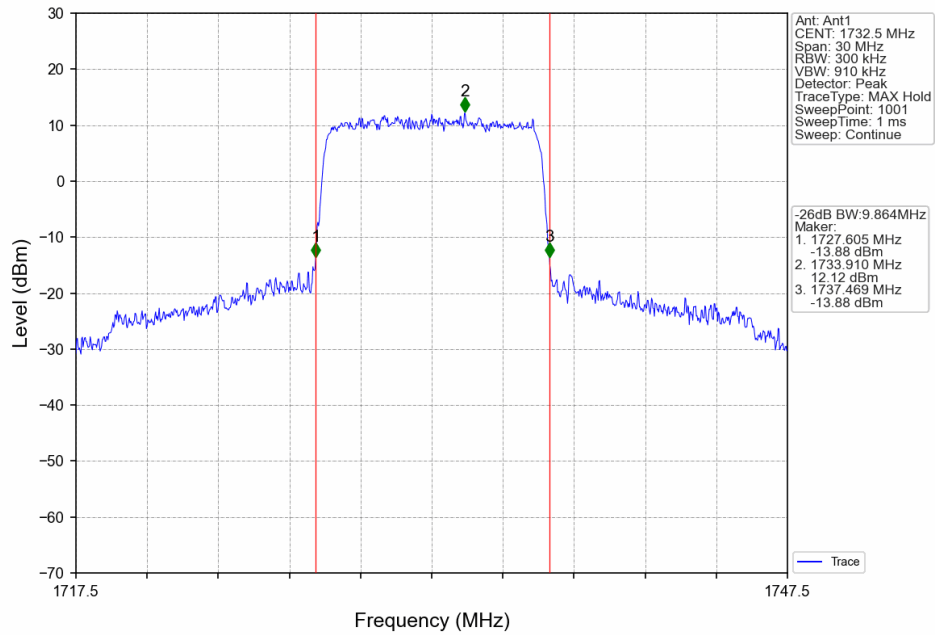
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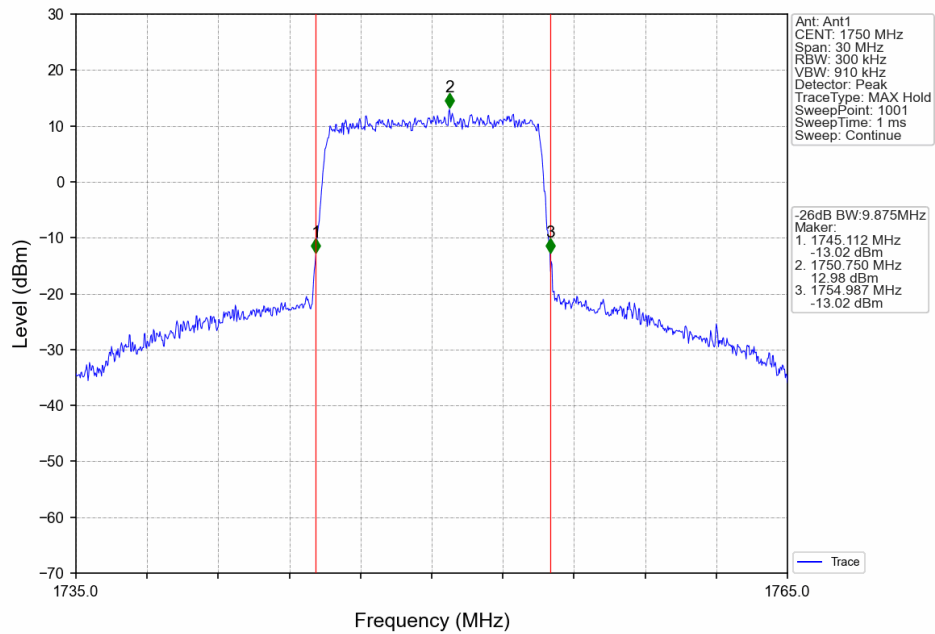
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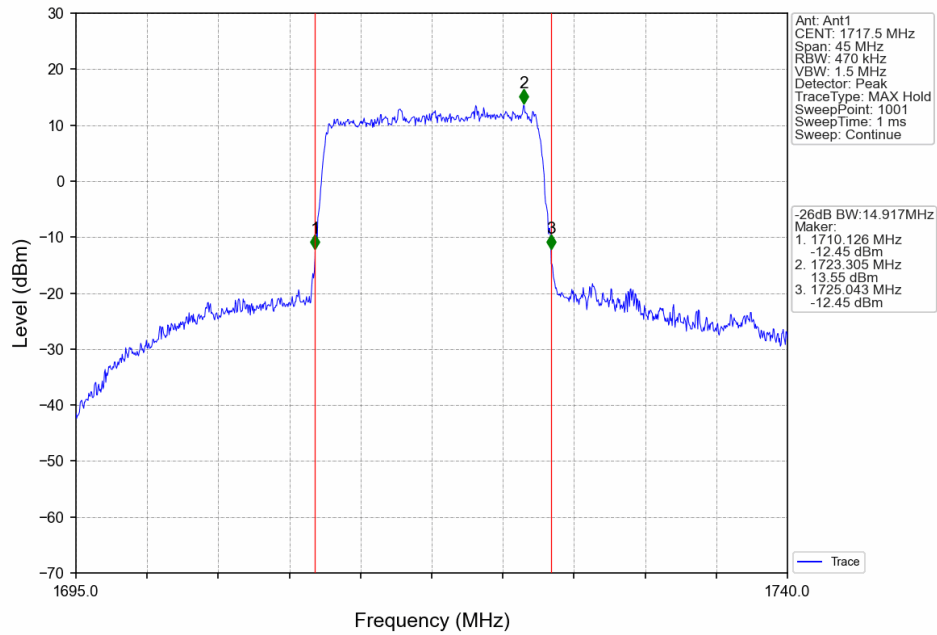
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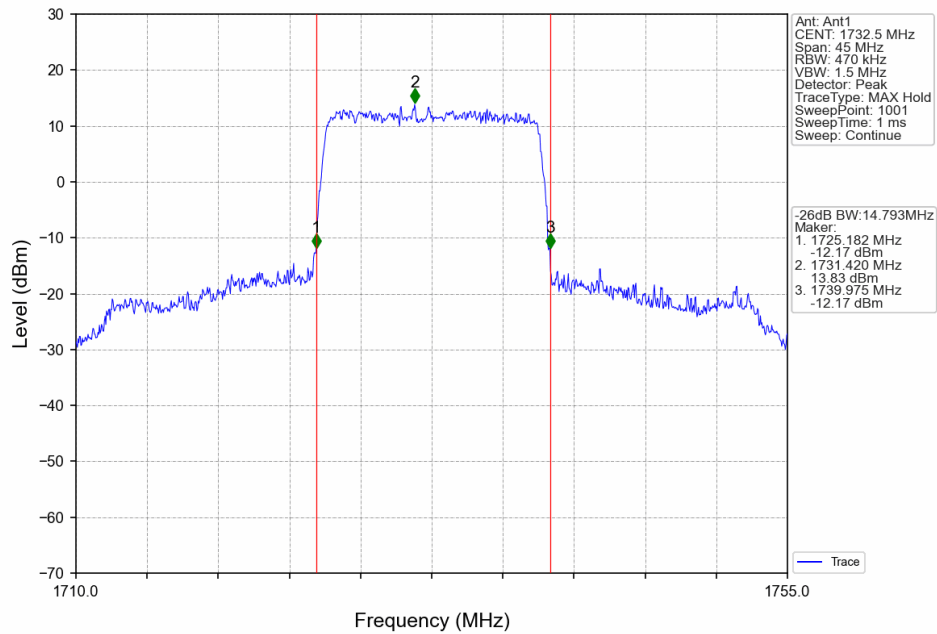
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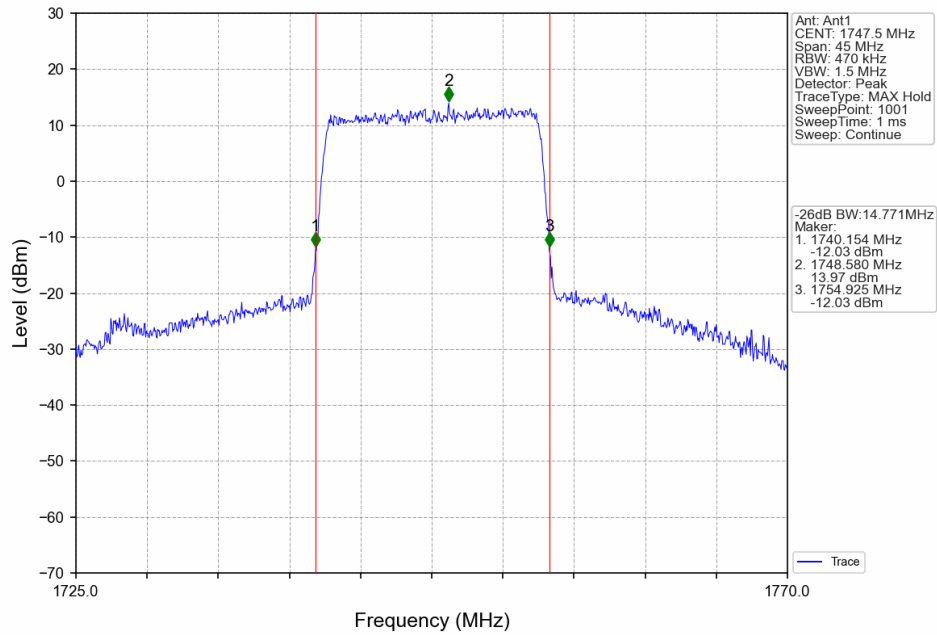
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Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

