Appendix Test Data for LTE_band_4

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	22.67	-0.59	22.08	<=30	Pass
			2	22.67	-0.59	22.08	<=30	Pass
			5	22.63	-0.59	22.04	<=30	Pass
		3	0	22.61	-0.59	22.02	<=30	Pass
			2	22.61	-0.59	22.02	<=30	Pass
			3	22.62	-0.59	22.03	<=30	Pass
		6	0	21.57	-0.59	20.98	<=30	Pass
	1732.5	1	0	22.65	-0.59	22.06	<=30	Pass
			2	22.67	-0.59	22.08	<=30	Pass
			5	22.63	-0.59	22.04	<=30	Pass
		3	0	22.71	-0.59	22.12	<=30	Pass
			2	22.71	-0.59	22.12	<=30	Pass
			3	22.70	-0.59	22.11	<=30	Pass
		6	0	21.69	-0.59	21.10	<=30	Pass
	1754.3	1	0	22.49	-0.59	21.90	<=30	Pass
			2	22.41	-0.59	21.82	<=30	Pass
			5	22.27	-0.59	21.68	<=30	Pass
		3	0	22.51	-0.59	21.92	<=30	Pass
			2	22.54	-0.59	21.95	<=30	Pass
			3	22.51	-0.59	21.92	<=30	Pass
		6	0	21.52	-0.59	20.93	<=30	Pass
16QAM	1710.7	1	0	21.57	-0.59	20.98	<=30	Pass
			2	21.60	-0.59	21.01	<=30	Pass
			5	21.53	-0.59	20.94	<=30	Pass
		3	0	21.40	-0.59	20.81	<=30	Pass
			2	21.42	-0.59	20.83	<=30	Pass
			3	21.44	-0.59	20.85	<=30	Pass
		6	0	20.59	-0.59	20.00	<=30	Pass
	1732.5	1	0	21.76	-0.59	21.17	<=30	Pass
			2	21.78	-0.59	21.19	<=30	Pass
			5	21.77	-0.59	21.18	<=30	Pass
		3	0	21.75	-0.59	21.16	<=30	Pass
			2	21.74	-0.59	21.15	<=30	Pass
			3	21.75	-0.59	21.16	<=30	Pass
		6	0	20.76	-0.59	20.17	<=30	Pass
	1754.3	1	0	21.36	-0.59	20.77	<=30	Pass
			2	21.39	-0.59	20.80	<=30	Pass
			5	21.35	-0.59	20.76	<=30	Pass
		3	0	21.51	-0.59	20.92	<=30	Pass
			2	21.51	-0.59	20.92	<=30	Pass
			3	21.53	-0.59	20.94	<=30	Pass
		6	0	20.50	-0.59	19.91	<=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	22.25	-0.59	21.66	<=30	Pass
			7	22.12	-0.59	21.53	<=30	Pass
			14	22.11	-0.59	21.52	<=30	Pass
		8	0	21.57	-0.59	20.98	<=30	Pass
			4	21.56	-0.59	20.97	<=30	Pass
			7	21.59	-0.59	21.00	<=30	Pass
		15	0	21.55	-0.59	20.96	<=30	Pass
	1732.5	1	0	22.28	-0.59	21.69	<=30	Pass
			7	22.29	-0.59	21.70	<=30	Pass
			14	22.28	-0.59	21.69	<=30	Pass
		8	0	21.70	-0.59	21.11	<=30	Pass
			4	21.65	-0.59	21.06	<=30	Pass
			7	21.62	-0.59	21.03	<=30	Pass
		15	0	21.66	-0.59	21.07	<=30	Pass
	1753.5	1	0	21.92	-0.59	21.33	<=30	Pass
			7	21.90	-0.59	21.31	<=30	Pass
			14	21.88	-0.59	21.29	<=30	Pass
		8	0	21.41	-0.59	20.82	<=30	Pass
			4	21.40	-0.59	20.81	<=30	Pass
			7	21.39	-0.59	20.80	<=30	Pass
		15	0	21.43	-0.59	20.84	<=30	Pass
16QAM	1711.5	1	0	21.43	-0.59	20.84	<=30	Pass
			7	21.46	-0.59	20.87	<=30	Pass
			14	21.44	-0.59	20.85	<=30	Pass
		8	0	20.60	-0.59	20.01	<=30	Pass
			4	20.63	-0.59	20.04	<=30	Pass
			7	20.61	-0.59	20.02	<=30	Pass
		15	0	20.62	-0.59	20.03	<=30	Pass
	1732.5	1	0	21.14	-0.59	20.55	<=30	Pass
			7	21.16	-0.59	20.57	<=30	Pass
			14	21.16	-0.59	20.57	<=30	Pass
		8	0	20.63	-0.59	20.04	<=30	Pass
			4	20.59	-0.59	20.00	<=30	Pass
			7	20.61	-0.59	20.02	<=30	Pass
		15	0	20.68	-0.59	20.09	<=30	Pass
	1753.5	1	0	20.98	-0.59	20.39	<=30	Pass
			7	20.97	-0.59	20.38	<=30	Pass
			14	20.94	-0.59	20.35	<=30	Pass
		8	0	20.40	-0.59	19.81	<=30	Pass
			4	20.39	-0.59	19.80	<=30	Pass
			7	20.39	-0.59	19.80	<=30	Pass
		15	0	20.37	-0.59	19.78	<=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	22.17	-0.59	21.58	<=30	Pass
			13	22.09	-0.59	21.50	<=30	Pass
			24	22.17	-0.59	21.58	<=30	Pass
		12	0	21.57	-0.59	20.98	<=30	Pass
			6	21.59	-0.59	21.00	<=30	Pass
			13	21.58	-0.59	20.99	<=30	Pass
		25	0	21.60	-0.59	21.01	<=30	Pass
	1732.5	1	0	22.22	-0.59	21.63	<=30	Pass
			13	22.19	-0.59	21.60	<=30	Pass
			24	22.22	-0.59	21.63	<=30	Pass
		12	0	21.77	-0.59	21.18	<=30	Pass
			6	21.70	-0.59	21.11	<=30	Pass
			13	21.66	-0.59	21.07	<=30	Pass
		25	0	21.73	-0.59	21.14	<=30	Pass
	1752.5	1	0	22.07	-0.59	21.48	<=30	Pass
			13	21.95	-0.59	21.36	<=30	Pass
			24	21.99	-0.59	21.40	<=30	Pass
		12	0	21.43	-0.59	20.84	<=30	Pass
			6	21.46	-0.59	20.87	<=30	Pass
			13	21.46	-0.59	20.87	<=30	Pass
		25	0	21.48	-0.59	20.89	<=30	Pass
16QAM	1712.5	1	0	21.11	-0.59	20.52	<=30	Pass
			13	21.02	-0.59	20.43	<=30	Pass
			24	21.10	-0.59	20.51	<=30	Pass
		12	0	20.63	-0.59	20.04	<=30	Pass
			6	20.62	-0.59	20.03	<=30	Pass
			13	20.60	-0.59	20.01	<=30	Pass
		25	0	20.69	-0.59	20.10	<=30	Pass
	1732.5	1	0	21.65	-0.59	21.06	<=30	Pass
			13	21.61	-0.59	21.02	<=30	Pass
			24	21.64	-0.59	21.05	<=30	Pass
		12	0	20.75	-0.59	20.16	<=30	Pass
			6	20.69	-0.59	20.10	<=30	Pass
			13	20.68	-0.59	20.09	<=30	Pass
		25	0	20.71	-0.59	20.12	<=30	Pass
	1752.5	1	0	21.18	-0.59	20.59	<=30	Pass
			13	21.08	-0.59	20.49	<=30	Pass
			24	21.11	-0.59	20.52	<=30	Pass
		12	0	20.42	-0.59	19.83	<=30	Pass
			6	20.43	-0.59	19.84	<=30	Pass
			13	20.44	-0.59	19.85	<=30	Pass
		25	0	20.43	-0.59	19.84	<=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	22.16	-0.59	21.57	<=30	Pass
			25	22.16	-0.59	21.57	<=30	Pass
			49	22.21	-0.59	21.62	<=30	Pass
		25	0	21.56	-0.59	20.97	<=30	Pass
			13	21.62	-0.59	21.03	<=30	Pass
			25	21.74	-0.59	21.15	<=30	Pass
		50	0	21.65	-0.59	21.06	<=30	Pass
	1732.5	1	0	22.35	-0.59	21.76	<=30	Pass
			25	22.34	-0.59	21.75	<=30	Pass
			49	22.31	-0.59	21.72	<=30	Pass
		25	0	21.71	-0.59	21.12	<=30	Pass
			13	21.74	-0.59	21.15	<=30	Pass
			25	21.65	-0.59	21.06	<=30	Pass
		50	0	21.69	-0.59	21.10	<=30	Pass
	1750	1	0	21.97	-0.59	21.38	<=30	Pass
			25	21.92	-0.59	21.33	<=30	Pass
			49	21.92	-0.59	21.33	<=30	Pass
		25	0	21.40	-0.59	20.81	<=30	Pass
			13	21.42	-0.59	20.83	<=30	Pass
			25	21.48	-0.59	20.89	<=30	Pass
		50	0	21.50	-0.59	20.91	<=30	Pass
16QAM	1715	1	0	21.51	-0.59	20.92	<=30	Pass
			25	21.44	-0.59	20.85	<=30	Pass
			49	21.58	-0.59	20.99	<=30	Pass
		12	0	21.62	-0.59	21.03	<=30	Pass
			19	21.65	-0.59	21.06	<=30	Pass
			38	21.74	-0.59	21.15	<=30	Pass
		27	0	20.57	-0.59	19.98	<=30	Pass
	1732.5	1	0	21.20	-0.59	20.61	<=30	Pass
			25	21.22	-0.59	20.63	<=30	Pass
			49	21.19	-0.59	20.60	<=30	Pass
		12	0	21.67	-0.59	21.08	<=30	Pass
			19	21.72	-0.59	21.13	<=30	Pass
			38	21.65	-0.59	21.06	<=30	Pass
		27	0	20.70	-0.59	20.11	<=30	Pass
	1750	1	0	21.04	-0.59	20.45	<=30	Pass
			25	20.97	-0.59	20.38	<=30	Pass
			49	21.00	-0.59	20.41	<=30	Pass
		12	0	21.46	-0.59	20.87	<=30	Pass
			19	21.37	-0.59	20.78	<=30	Pass
			38	21.45	-0.59	20.86	<=30	Pass
		27	23	20.47	-0.59	19.88	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.04	-0.59	21.45	<=30	Pass
			38	22.10	-0.59	21.51	<=30	Pass
			74	22.13	-0.59	21.54	<=30	Pass
		36	0	21.48	-0.59	20.89	<=30	Pass
			18	21.55	-0.59	20.96	<=30	Pass
			39	21.67	-0.59	21.08	<=30	Pass
		75	0	21.61	-0.59	21.02	<=30	Pass
	1732.5	1	0	22.22	-0.59	21.63	<=30	Pass
			38	22.30	-0.59	21.71	<=30	Pass
			74	22.19	-0.59	21.60	<=30	Pass
		36	0	21.62	-0.59	21.03	<=30	Pass
			18	21.66	-0.59	21.07	<=30	Pass
			39	21.61	-0.59	21.02	<=30	Pass
		75	0	21.63	-0.59	21.04	<=30	Pass
	1747.5	1	0	22.00	-0.59	21.41	<=30	Pass
			38	22.00	-0.59	21.41	<=30	Pass
			74	21.85	-0.59	21.26	<=30	Pass
		36	0	21.49	-0.59	20.90	<=30	Pass
			18	21.47	-0.59	20.88	<=30	Pass
			39	21.51	-0.59	20.92	<=30	Pass
		75	0	21.50	-0.59	20.91	<=30	Pass
16QAM	1717.5	1	0	21.03	-0.59	20.44	<=30	Pass
			38	21.05	-0.59	20.46	<=30	Pass
			74	21.09	-0.59	20.50	<=30	Pass
		12	0	21.55	-0.59	20.96	<=30	Pass
			31	21.63	-0.59	21.04	<=30	Pass
			63	21.65	-0.59	21.06	<=30	Pass
		27	0	20.53	-0.59	19.94	<=30	Pass
	1732.5	1	0	21.11	-0.59	20.52	<=30	Pass
			38	21.17	-0.59	20.58	<=30	Pass
			74	21.11	-0.59	20.52	<=30	Pass
		12	0	21.62	-0.59	21.03	<=30	Pass
			31	21.71	-0.59	21.12	<=30	Pass
			63	21.64	-0.59	21.05	<=30	Pass
		27	0	20.67	-0.59	20.08	<=30	Pass
	1747.5	1	0	21.06	-0.59	20.47	<=30	Pass
			38	21.03	-0.59	20.44	<=30	Pass
			74	20.90	-0.59	20.31	<=30	Pass
		12	0	21.47	-0.59	20.88	<=30	Pass
			31	21.43	-0.59	20.84	<=30	Pass
			63	21.36	-0.59	20.77	<=30	Pass
		27	48	20.40	-0.59	19.81	<=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	22.03	-0.59	21.44	<=30	Pass
			50	22.15	-0.59	21.56	<=30	Pass
			99	22.21	-0.59	21.62	<=30	Pass
		50	0	21.43	-0.59	20.84	<=30	Pass
			25	21.66	-0.59	21.07	<=30	Pass
			50	21.78	-0.59	21.19	<=30	Pass
		100	0	21.62	-0.59	21.03	<=30	Pass
	1732.5	1	0	22.14	-0.59	21.55	<=30	Pass
			50	22.24	-0.59	21.65	<=30	Pass
			99	22.06	-0.59	21.47	<=30	Pass
		50	0	21.60	-0.59	21.01	<=30	Pass
			25	21.74	-0.59	21.15	<=30	Pass
			50	21.64	-0.59	21.05	<=30	Pass
		100	0	21.59	-0.59	21.00	<=30	Pass
	1745	1	0	22.11	-0.59	21.52	<=30	Pass
			50	22.09	-0.59	21.50	<=30	Pass
			99	21.89	-0.59	21.30	<=30	Pass
		50	0	21.62	-0.59	21.03	<=30	Pass
			25	21.56	-0.59	20.97	<=30	Pass
			50	21.56	-0.59	20.97	<=30	Pass
		100	0	21.58	-0.59	20.99	<=30	Pass
16QAM	1720	1	0	21.12	-0.59	20.53	<=30	Pass
			50	21.17	-0.59	20.58	<=30	Pass
			99	21.20	-0.59	20.61	<=30	Pass
		12	0	21.44	-0.59	20.85	<=30	Pass
			44	21.54	-0.59	20.95	<=30	Pass
			88	21.55	-0.59	20.96	<=30	Pass
		27	0	20.40	-0.59	19.81	<=30	Pass
	1732.5	1	0	21.00	-0.59	20.41	<=30	Pass
			50	21.10	-0.59	20.51	<=30	Pass
			99	20.90	-0.59	20.31	<=30	Pass
		12	0	21.67	-0.59	21.08	<=30	Pass
			44	21.77	-0.59	21.18	<=30	Pass
			88	21.59	-0.59	21.00	<=30	Pass
		27	0	20.54	-0.59	19.95	<=30	Pass
	1745	1	0	21.53	-0.59	20.94	<=30	Pass
			50	21.51	-0.59	20.92	<=30	Pass
			99	21.32	-0.59	20.73	<=30	Pass
		12	0	21.62	-0.59	21.03	<=30	Pass
			44	21.53	-0.59	20.94	<=30	Pass
			88	21.39	-0.59	20.80	<=30	Pass
		27	73	20.48	-0.59	19.89	<=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	3.15	5.150	0.0030	-2.5 to 2.5	Pass
					3.70	-0.701	-0.0004	-2.5 to 2.5	Pass
					4.26	-1.001	-0.0006	-2.5 to 2.5	Pass
				-30	3.70	3.591	0.0021	-2.5 to 2.5	Pass
				-20	3.70	6.251	0.0037	-2.5 to 2.5	Pass
				-10	3.70	9.084	0.0053	-2.5 to 2.5	Pass
				0	3.70	3.405	0.0020	-2.5 to 2.5	Pass
				10	3.70	5.193	0.0030	-2.5 to 2.5	Pass
				30	3.70	0.973	0.0006	-2.5 to 2.5	Pass
				40	3.70	0.744	0.0004	-2.5 to 2.5	Pass
				50	3.70	-3.390	-0.0020	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.15	1.059	0.0006	-2.5 to 2.5	Pass
					3.70	6.881	0.0040	-2.5 to 2.5	Pass
					4.26	12.918	0.0075	-2.5 to 2.5	Pass
				-30	3.70	4.978	0.0029	-2.5 to 2.5	Pass
				-20	3.70	2.146	0.0012	-2.5 to 2.5	Pass
				-10	3.70	5.808	0.0034	-2.5 to 2.5	Pass
				0	3.70	0.944	0.0005	-2.5 to 2.5	Pass
				10	3.70	-4.234	-0.0024	-2.5 to 2.5	Pass
				30	3.70	1.745	0.0010	-2.5 to 2.5	Pass
				40	3.70	4.678	0.0027	-2.5 to 2.5	Pass
				50	3.70	7.539	0.0044	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.15	4.606	0.0026	-2.5 to 2.5	Pass
					3.70	6.537	0.0037	-2.5 to 2.5	Pass
					4.26	3.490	0.0020	-2.5 to 2.5	Pass
				-30	3.70	-5.851	-0.0033	-2.5 to 2.5	Pass
				-20	3.70	9.942	0.0057	-2.5 to 2.5	Pass
				-10	3.70	0.458	0.0003	-2.5 to 2.5	Pass
				0	3.70	-4.334	-0.0025	-2.5 to 2.5	Pass
				10	3.70	-1.059	-0.0006	-2.5 to 2.5	Pass
				30	3.70	0.300	0.0002	-2.5 to 2.5	Pass
				40	3.70	1.001	0.0006	-2.5 to 2.5	Pass
				50	3.70	-0.143	-0.0001	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.15	3.905	0.0023	-2.5 to 2.5	Pass
					3.70	2.890	0.0017	-2.5 to 2.5	Pass
					4.26	6.037	0.0035	-2.5 to 2.5	Pass
				-30	3.70	0.257	0.0002	-2.5 to 2.5	Pass
				-20	3.70	-1.359	-0.0008	-2.5 to 2.5	Pass
				-10	3.70	6.938	0.0041	-2.5 to 2.5	Pass
				0	3.70	-1.574	-0.0009	-2.5 to 2.5	Pass
				10	3.70	1.917	0.0011	-2.5 to 2.5	Pass
				30	3.70	0.358	0.0002	-2.5 to 2.5	Pass
				40	3.70	-0.873	-0.0005	-2.5 to 2.5	Pass
				50	3.70	-0.401	-0.0002	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.15	-5.136	-0.0030	-2.5 to 2.5	Pass
					3.70	-8.440	-0.0049	-2.5 to 2.5	Pass
					4.26	4.907	0.0028	-2.5 to 2.5	Pass
				-30	3.70	6.723	0.0039	-2.5 to 2.5	Pass
				-20	3.70	6.838	0.0039	-2.5 to 2.5	Pass

				-10	3.70	1.817	0.0010	-2.5 to 2.5	Pass
				0	3.70	6.480	0.0037	-2.5 to 2.5	Pass
				10	3.70	3.319	0.0019	-2.5 to 2.5	Pass
				30	3.70	0.544	0.0003	-2.5 to 2.5	Pass
				40	3.70	-1.245	-0.0007	-2.5 to 2.5	Pass
				50	3.70	-5.593	-0.0032	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.15	-3.734	-0.0021	-2.5 to 2.5	Pass
					3.70	-2.832	-0.0016	-2.5 to 2.5	Pass
					4.26	2.260	0.0013	-2.5 to 2.5	Pass
				-30	3.70	-4.048	-0.0023	-2.5 to 2.5	Pass
				-20	3.70	-1.774	-0.0010	-2.5 to 2.5	Pass
				-10	3.70	-0.358	-0.0002	-2.5 to 2.5	Pass
				0	3.70	8.569	0.0049	-2.5 to 2.5	Pass
				10	3.70	5.422	0.0031	-2.5 to 2.5	Pass
				30	3.70	2.561	0.0015	-2.5 to 2.5	Pass
				40	3.70	-2.918	-0.0017	-2.5 to 2.5	Pass
				50	3.70	-0.687	-0.0004	-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	3.15	1.359	0.0008	-2.5 to 2.5	Pass
					3.70	2.532	0.0015	-2.5 to 2.5	Pass
					4.26	-5.264	-0.0031	-2.5 to 2.5	Pass
				-30	3.70	3.519	0.0021	-2.5 to 2.5	Pass
				-20	3.70	2.575	0.0015	-2.5 to 2.5	Pass
				-10	3.70	1.631	0.0010	-2.5 to 2.5	Pass
				0	3.70	2.389	0.0014	-2.5 to 2.5	Pass
				10	3.70	1.817	0.0011	-2.5 to 2.5	Pass
				30	3.70	5.207	0.0030	-2.5 to 2.5	Pass
				40	3.70	1.903	0.0011	-2.5 to 2.5	Pass
				50	3.70	6.852	0.0040	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.15	3.304	0.0019	-2.5 to 2.5	Pass
					3.70	8.597	0.0050	-2.5 to 2.5	Pass
					4.26	-8.812	-0.0051	-2.5 to 2.5	Pass
				-30	3.70	-0.758	-0.0004	-2.5 to 2.5	Pass
				-20	3.70	11.086	0.0064	-2.5 to 2.5	Pass
				-10	3.70	1.817	0.0010	-2.5 to 2.5	Pass
				0	3.70	-6.323	-0.0036	-2.5 to 2.5	Pass
				10	3.70	4.764	0.0027	-2.5 to 2.5	Pass
				30	3.70	8.183	0.0047	-2.5 to 2.5	Pass
				40	3.70	-6.237	-0.0036	-2.5 to 2.5	Pass
				50	3.70	-4.134	-0.0024	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.15	0.844	0.0005	-2.5 to 2.5	Pass
					3.70	-4.406	-0.0025	-2.5 to 2.5	Pass
					4.26	-4.749	-0.0027	-2.5 to 2.5	Pass
				-30	3.70	0.486	0.0003	-2.5 to 2.5	Pass
				-20	3.70	0.043	0.0000	-2.5 to 2.5	Pass
				-10	3.70	-2.432	-0.0014	-2.5 to 2.5	Pass
				0	3.70	0.401	0.0002	-2.5 to 2.5	Pass
				10	3.70	-1.316	-0.0008	-2.5 to 2.5	Pass
				30	3.70	-0.286	-0.0002	-2.5 to 2.5	Pass
				40	3.70	5.178	0.0030	-2.5 to 2.5	Pass
				50	3.70	-1.545	-0.0009	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.15	0.830	0.0005	-2.5 to 2.5	Pass
					3.70	8.655	0.0051	-2.5 to 2.5	Pass
					4.26	-6.051	-0.0035	-2.5 to 2.5	Pass
				-30	3.70	-1.674	-0.0010	-2.5 to 2.5	Pass
				-20	3.70	3.047	0.0018	-2.5 to 2.5	Pass
				-10	3.70	-6.537	-0.0038	-2.5 to 2.5	Pass
				0	3.70	4.263	0.0025	-2.5 to 2.5	Pass
				10	3.70	1.259	0.0007	-2.5 to 2.5	Pass
				30	3.70	5.307	0.0031	-2.5 to 2.5	Pass
				40	3.70	2.904	0.0017	-2.5 to 2.5	Pass
				50	3.70	-4.048	-0.0024	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.15	0.701	0.0004	-2.5 to 2.5	Pass
					3.70	2.747	0.0016	-2.5 to 2.5	Pass
					4.26	10.815	0.0062	-2.5 to 2.5	Pass
				-30	3.70	-2.289	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	8.612	0.0050	-2.5 to 2.5	Pass
				-10	3.70	-5.536	-0.0032	-2.5 to 2.5	Pass
				0	3.70	-6.738	-0.0039	-2.5 to 2.5	Pass
				10	3.70	6.924	0.0040	-2.5 to 2.5	Pass
				30	3.70	4.449	0.0026	-2.5 to 2.5	Pass
				40	3.70	-3.376	-0.0019	-2.5 to 2.5	Pass

				50	3.70	-6.309	-0.0036	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.15	3.819	0.0022	-2.5 to 2.5	Pass
					3.70	-6.337	-0.0036	-2.5 to 2.5	Pass
					4.26	-1.874	-0.0011	-2.5 to 2.5	Pass
				-30	3.70	-9.241	-0.0053	-2.5 to 2.5	Pass
				-20	3.70	-4.249	-0.0024	-2.5 to 2.5	Pass
				-10	3.70	-2.189	-0.0012	-2.5 to 2.5	Pass
				0	3.70	-7.496	-0.0043	-2.5 to 2.5	Pass
				10	3.70	-3.762	-0.0021	-2.5 to 2.5	Pass
				30	3.70	8.798	0.0050	-2.5 to 2.5	Pass
				40	3.70	-1.588	-0.0009	-2.5 to 2.5	Pass
				50	3.70	7.195	0.0041	-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	3.15	9.642	0.0056	-2.5 to 2.5	Pass
					3.70	-0.401	-0.0002	-2.5 to 2.5	Pass
					4.26	3.848	0.0022	-2.5 to 2.5	Pass
				-30	3.70	1.116	0.0007	-2.5 to 2.5	Pass
				-20	3.70	3.362	0.0020	-2.5 to 2.5	Pass
				-10	3.70	2.604	0.0015	-2.5 to 2.5	Pass
				0	3.70	6.094	0.0036	-2.5 to 2.5	Pass
				10	3.70	5.393	0.0031	-2.5 to 2.5	Pass
				30	3.70	0.658	0.0004	-2.5 to 2.5	Pass
				40	3.70	1.903	0.0011	-2.5 to 2.5	Pass
				50	3.70	4.435	0.0026	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.15	3.862	0.0022	-2.5 to 2.5	Pass
					3.70	-2.060	-0.0012	-2.5 to 2.5	Pass
					4.26	-0.401	-0.0002	-2.5 to 2.5	Pass
				-30	3.70	4.063	0.0023	-2.5 to 2.5	Pass
				-20	3.70	1.001	0.0006	-2.5 to 2.5	Pass
				-10	3.70	2.661	0.0015	-2.5 to 2.5	Pass
				0	3.70	11.086	0.0064	-2.5 to 2.5	Pass
				10	3.70	-2.174	-0.0013	-2.5 to 2.5	Pass
				30	3.70	-1.616	-0.0009	-2.5 to 2.5	Pass
				40	3.70	5.436	0.0031	-2.5 to 2.5	Pass
				50	3.70	7.553	0.0044	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.15	-2.804	-0.0016	-2.5 to 2.5	Pass
					3.70	-1.273	-0.0007	-2.5 to 2.5	Pass
					4.26	-1.259	-0.0007	-2.5 to 2.5	Pass
				-30	3.70	2.403	0.0014	-2.5 to 2.5	Pass
				-20	3.70	-2.446	-0.0014	-2.5 to 2.5	Pass
				-10	3.70	1.059	0.0006	-2.5 to 2.5	Pass
				0	3.70	6.623	0.0038	-2.5 to 2.5	Pass
				10	3.70	-4.764	-0.0027	-2.5 to 2.5	Pass
				30	3.70	-4.792	-0.0027	-2.5 to 2.5	Pass
				40	3.70	-1.388	-0.0008	-2.5 to 2.5	Pass
				50	3.70	-0.043	0.0000	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.15	0.916	0.0005	-2.5 to 2.5	Pass
					3.70	-2.003	-0.0012	-2.5 to 2.5	Pass
					4.26	-0.887	-0.0005	-2.5 to 2.5	Pass
				-30	3.70	6.995	0.0041	-2.5 to 2.5	Pass
				-20	3.70	-0.358	-0.0002	-2.5 to 2.5	Pass
				-10	3.70	1.159	0.0007	-2.5 to 2.5	Pass
				0	3.70	5.636	0.0033	-2.5 to 2.5	Pass
				10	3.70	2.303	0.0013	-2.5 to 2.5	Pass
				30	3.70	4.463	0.0026	-2.5 to 2.5	Pass
				40	3.70	6.022	0.0035	-2.5 to 2.5	Pass
				50	3.70	0.758	0.0004	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.15	1.202	0.0007	-2.5 to 2.5	Pass
					3.70	7.253	0.0042	-2.5 to 2.5	Pass
					4.26	-4.935	-0.0028	-2.5 to 2.5	Pass
				-30	3.70	5.164	0.0030	-2.5 to 2.5	Pass
				-20	3.70	3.076	0.0018	-2.5 to 2.5	Pass
				-10	3.70	3.004	0.0017	-2.5 to 2.5	Pass
				0	3.70	-3.347	-0.0019	-2.5 to 2.5	Pass
				10	3.70	1.073	0.0006	-2.5 to 2.5	Pass
				30	3.70	-2.060	-0.0012	-2.5 to 2.5	Pass
				40	3.70	-6.781	-0.0039	-2.5 to 2.5	Pass

				50	3.70	2.947	0.0017	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.15	5.064	0.0029	-2.5 to 2.5	Pass
					3.70	5.965	0.0034	-2.5 to 2.5	Pass
					4.26	2.017	0.0012	-2.5 to 2.5	Pass
				-30	3.70	-2.875	-0.0016	-2.5 to 2.5	Pass
				-20	3.70	-3.319	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	2.661	0.0015	-2.5 to 2.5	Pass
				0	3.70	5.121	0.0029	-2.5 to 2.5	Pass
				10	3.70	0.844	0.0005	-2.5 to 2.5	Pass
				30	3.70	-0.215	-0.0001	-2.5 to 2.5	Pass
				40	3.70	-2.131	-0.0012	-2.5 to 2.5	Pass
				50	3.70	0.472	0.0003	-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	3.15	-0.501	-0.0003	-2.5 to 2.5	Pass
					3.70	0.758	0.0004	-2.5 to 2.5	Pass
					4.26	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.70	2.446	0.0014	-2.5 to 2.5	Pass
				-20	3.70	1.860	0.0011	-2.5 to 2.5	Pass
				-10	3.70	1.588	0.0009	-2.5 to 2.5	Pass
				0	3.70	2.604	0.0015	-2.5 to 2.5	Pass
				10	3.70	0.629	0.0004	-2.5 to 2.5	Pass
				30	3.70	-0.300	-0.0002	-2.5 to 2.5	Pass
				40	3.70	-0.658	-0.0004	-2.5 to 2.5	Pass
				50	3.70	-0.315	-0.0002	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.15	5.994	0.0035	-2.5 to 2.5	Pass
					3.70	4.807	0.0028	-2.5 to 2.5	Pass
					4.26	0.372	0.0002	-2.5 to 2.5	Pass
				-30	3.70	5.994	0.0035	-2.5 to 2.5	Pass
				-20	3.70	6.666	0.0038	-2.5 to 2.5	Pass
				-10	3.70	4.478	0.0026	-2.5 to 2.5	Pass
				0	3.70	4.935	0.0028	-2.5 to 2.5	Pass
				10	3.70	3.233	0.0019	-2.5 to 2.5	Pass
				30	3.70	3.748	0.0022	-2.5 to 2.5	Pass
				40	3.70	4.163	0.0024	-2.5 to 2.5	Pass
				50	3.70	2.375	0.0014	-2.5 to 2.5	Pass
	1750	50	0	20	3.15	5.908	0.0034	-2.5 to 2.5	Pass
					3.70	4.520	0.0026	-2.5 to 2.5	Pass
					4.26	5.164	0.0030	-2.5 to 2.5	Pass
				-30	3.70	2.446	0.0014	-2.5 to 2.5	Pass
				-20	3.70	2.031	0.0012	-2.5 to 2.5	Pass
				-10	3.70	-0.558	-0.0003	-2.5 to 2.5	Pass
				0	3.70	1.030	0.0006	-2.5 to 2.5	Pass
				10	3.70	5.021	0.0029	-2.5 to 2.5	Pass
				30	3.70	10.242	0.0059	-2.5 to 2.5	Pass
				40	3.70	2.975	0.0017	-2.5 to 2.5	Pass
				50	3.70	-1.845	-0.0011	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.15	1.745	0.0010	-2.5 to 2.5	Pass
					3.70	4.277	0.0025	-2.5 to 2.5	Pass
					4.26	0.429	0.0003	-2.5 to 2.5	Pass
				-30	3.70	3.576	0.0021	-2.5 to 2.5	Pass
				-20	3.70	7.353	0.0043	-2.5 to 2.5	Pass
				-10	3.70	-0.315	-0.0002	-2.5 to 2.5	Pass
				0	3.70	0.114	0.0001	-2.5 to 2.5	Pass
				10	3.70	-1.216	-0.0007	-2.5 to 2.5	Pass
				30	3.70	-0.200	-0.0001	-2.5 to 2.5	Pass
				40	3.70	2.418	0.0014	-2.5 to 2.5	Pass
				50	3.70	4.663	0.0027	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.15	2.003	0.0012	-2.5 to 2.5	Pass
					3.70	-1.760	-0.0010	-2.5 to 2.5	Pass
					4.26	8.340	0.0048	-2.5 to 2.5	Pass
				-30	3.70	3.462	0.0020	-2.5 to 2.5	Pass
				-20	3.70	6.137	0.0035	-2.5 to 2.5	Pass
				-10	3.70	3.319	0.0019	-2.5 to 2.5	Pass
				0	3.70	1.845	0.0011	-2.5 to 2.5	Pass
				10	3.70	3.576	0.0021	-2.5 to 2.5	Pass
				30	3.70	6.895	0.0040	-2.5 to 2.5	Pass
				40	3.70	-3.018	-0.0017	-2.5 to 2.5	Pass

				50	3.70	6.480	0.0037	-2.5 to 2.5	Pass
	1750	27	23	20	3.15	1.445	0.0008	-2.5 to 2.5	Pass
					3.70	7.339	0.0042	-2.5 to 2.5	Pass
					4.26	1.431	0.0008	-2.5 to 2.5	Pass
				-30	3.70	6.909	0.0039	-2.5 to 2.5	Pass
				-20	3.70	7.653	0.0044	-2.5 to 2.5	Pass
				-10	3.70	7.067	0.0040	-2.5 to 2.5	Pass
				0	3.70	2.661	0.0015	-2.5 to 2.5	Pass
				10	3.70	10.800	0.0062	-2.5 to 2.5	Pass
				30	3.70	3.777	0.0022	-2.5 to 2.5	Pass
				40	3.70	8.426	0.0048	-2.5 to 2.5	Pass
				50	3.70	7.725	0.0044	-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	3.15	2.375	0.0014	-2.5 to 2.5	Pass
					3.70	1.016	0.0006	-2.5 to 2.5	Pass
					4.26	2.460	0.0014	-2.5 to 2.5	Pass
				-30	3.70	1.388	0.0008	-2.5 to 2.5	Pass
				-20	3.70	5.894	0.0034	-2.5 to 2.5	Pass
				-10	3.70	2.160	0.0013	-2.5 to 2.5	Pass
				0	3.70	5.736	0.0033	-2.5 to 2.5	Pass
				10	3.70	3.633	0.0021	-2.5 to 2.5	Pass
				30	3.70	2.360	0.0014	-2.5 to 2.5	Pass
				40	3.70	4.063	0.0024	-2.5 to 2.5	Pass
				50	3.70	1.187	0.0007	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.15	7.939	0.0046	-2.5 to 2.5	Pass
					3.70	3.891	0.0022	-2.5 to 2.5	Pass
					4.26	4.277	0.0025	-2.5 to 2.5	Pass
				-30	3.70	1.416	0.0008	-2.5 to 2.5	Pass
				-20	3.70	2.060	0.0012	-2.5 to 2.5	Pass
				-10	3.70	7.567	0.0044	-2.5 to 2.5	Pass
				0	3.70	3.476	0.0020	-2.5 to 2.5	Pass
				10	3.70	3.619	0.0021	-2.5 to 2.5	Pass
				30	3.70	2.303	0.0013	-2.5 to 2.5	Pass
				40	3.70	4.277	0.0025	-2.5 to 2.5	Pass
				50	3.70	5.908	0.0034	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.15	2.818	0.0016	-2.5 to 2.5	Pass
					3.70	1.788	0.0010	-2.5 to 2.5	Pass
					4.26	5.193	0.0030	-2.5 to 2.5	Pass
				-30	3.70	1.373	0.0008	-2.5 to 2.5	Pass
				-20	3.70	5.765	0.0033	-2.5 to 2.5	Pass
				-10	3.70	7.138	0.0041	-2.5 to 2.5	Pass
				0	3.70	1.345	0.0008	-2.5 to 2.5	Pass
				10	3.70	4.406	0.0025	-2.5 to 2.5	Pass
				30	3.70	3.619	0.0021	-2.5 to 2.5	Pass
				40	3.70	-0.215	-0.0001	-2.5 to 2.5	Pass
				50	3.70	-0.973	-0.0006	-2.5 to 2.5	Pass
16QAM	1717.5	27	0	20	3.15	1.802	0.0010	-2.5 to 2.5	Pass
					3.70	2.832	0.0016	-2.5 to 2.5	Pass
					4.26	6.137	0.0036	-2.5 to 2.5	Pass
				-30	3.70	-2.160	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	-0.329	-0.0002	-2.5 to 2.5	Pass
				-10	3.70	4.177	0.0024	-2.5 to 2.5	Pass
				0	3.70	-1.116	-0.0006	-2.5 to 2.5	Pass
				10	3.70	1.516	0.0009	-2.5 to 2.5	Pass
				30	3.70	-2.518	-0.0015	-2.5 to 2.5	Pass
				40	3.70	1.745	0.0010	-2.5 to 2.5	Pass
				50	3.70	5.021	0.0029	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.15	2.489	0.0014	-2.5 to 2.5	Pass
					3.70	2.961	0.0017	-2.5 to 2.5	Pass
					4.26	1.588	0.0009	-2.5 to 2.5	Pass
				-30	3.70	3.576	0.0021	-2.5 to 2.5	Pass
				-20	3.70	7.839	0.0045	-2.5 to 2.5	Pass
				-10	3.70	-2.975	-0.0017	-2.5 to 2.5	Pass
				0	3.70	6.366	0.0037	-2.5 to 2.5	Pass
				10	3.70	4.220	0.0024	-2.5 to 2.5	Pass
				30	3.70	1.316	0.0008	-2.5 to 2.5	Pass
				40	3.70	2.232	0.0013	-2.5 to 2.5	Pass

				50	3.70	3.633	0.0021	-2.5 to 2.5	Pass
	1747.5	27	48	20	3.15	8.712	0.0050	-2.5 to 2.5	Pass
					3.70	3.390	0.0019	-2.5 to 2.5	Pass
					4.26	9.828	0.0056	-2.5 to 2.5	Pass
				-30	3.70	3.476	0.0020	-2.5 to 2.5	Pass
				-20	3.70	0.443	0.0003	-2.5 to 2.5	Pass
				-10	3.70	7.610	0.0044	-2.5 to 2.5	Pass
				0	3.70	5.593	0.0032	-2.5 to 2.5	Pass
				10	3.70	10.085	0.0058	-2.5 to 2.5	Pass
				30	3.70	6.781	0.0039	-2.5 to 2.5	Pass
				40	3.70	-3.462	-0.0020	-2.5 to 2.5	Pass
				50	3.70	1.230	0.0007	-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	3.15	1.245	0.0007	-2.5 to 2.5	Pass
					3.70	0.114	0.0001	-2.5 to 2.5	Pass
					4.26	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.70	0.515	0.0003	-2.5 to 2.5	Pass
				-20	3.70	2.117	0.0012	-2.5 to 2.5	Pass
				-10	3.70	-1.073	-0.0006	-2.5 to 2.5	Pass
				0	3.70	-1.945	-0.0011	-2.5 to 2.5	Pass
				10	3.70	-0.615	-0.0004	-2.5 to 2.5	Pass
				30	3.70	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.70	-3.147	-0.0018	-2.5 to 2.5	Pass
				50	3.70	2.131	0.0012	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.15	0.415	0.0002	-2.5 to 2.5	Pass
					3.70	2.947	0.0017	-2.5 to 2.5	Pass
					4.26	-1.245	-0.0007	-2.5 to 2.5	Pass
				-30	3.70	-0.815	-0.0005	-2.5 to 2.5	Pass
				-20	3.70	1.388	0.0008	-2.5 to 2.5	Pass
				-10	3.70	-2.160	-0.0012	-2.5 to 2.5	Pass
				0	3.70	0.701	0.0004	-2.5 to 2.5	Pass
				10	3.70	1.459	0.0008	-2.5 to 2.5	Pass
				30	3.70	0.200	0.0001	-2.5 to 2.5	Pass
				40	3.70	0.801	0.0005	-2.5 to 2.5	Pass
				50	3.70	2.160	0.0012	-2.5 to 2.5	Pass
	1745	100	0	20	3.15	3.576	0.0020	-2.5 to 2.5	Pass
					3.70	6.294	0.0036	-2.5 to 2.5	Pass
					4.26	1.416	0.0008	-2.5 to 2.5	Pass
				-30	3.70	3.262	0.0019	-2.5 to 2.5	Pass
				-20	3.70	4.492	0.0026	-2.5 to 2.5	Pass
				-10	3.70	5.507	0.0032	-2.5 to 2.5	Pass
				0	3.70	2.017	0.0012	-2.5 to 2.5	Pass
				10	3.70	4.821	0.0028	-2.5 to 2.5	Pass
				30	3.70	-3.219	-0.0018	-2.5 to 2.5	Pass
				40	3.70	1.574	0.0009	-2.5 to 2.5	Pass
				50	3.70	1.316	0.0008	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.15	2.575	0.0015	-2.5 to 2.5	Pass
					3.70	6.065	0.0035	-2.5 to 2.5	Pass
					4.26	1.216	0.0007	-2.5 to 2.5	Pass
				-30	3.70	1.445	0.0008	-2.5 to 2.5	Pass
				-20	3.70	1.860	0.0011	-2.5 to 2.5	Pass
				-10	3.70	-0.300	-0.0002	-2.5 to 2.5	Pass
				0	3.70	-0.830	-0.0005	-2.5 to 2.5	Pass
				10	3.70	1.087	0.0006	-2.5 to 2.5	Pass
				30	3.70	4.792	0.0028	-2.5 to 2.5	Pass
				40	3.70	5.264	0.0031	-2.5 to 2.5	Pass
				50	3.70	2.632	0.0015	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.15	-0.944	-0.0005	-2.5 to 2.5	Pass
					3.70	1.073	0.0006	-2.5 to 2.5	Pass
					4.26	-3.734	-0.0022	-2.5 to 2.5	Pass
				-30	3.70	0.458	0.0003	-2.5 to 2.5	Pass
				-20	3.70	-0.815	-0.0005	-2.5 to 2.5	Pass
				-10	3.70	-1.473	-0.0009	-2.5 to 2.5	Pass
				0	3.70	-1.731	-0.0010	-2.5 to 2.5	Pass
				10	3.70	-0.930	-0.0005	-2.5 to 2.5	Pass
				30	3.70	1.845	0.0011	-2.5 to 2.5	Pass
				40	3.70	1.473	0.0009	-2.5 to 2.5	Pass

				50	3.70	1.903	0.0011	-2.5 to 2.5	Pass
	1745	27	73	20	3.15	2.589	0.0015	-2.5 to 2.5	Pass
					3.70	2.360	0.0014	-2.5 to 2.5	Pass
					4.26	2.317	0.0013	-2.5 to 2.5	Pass
				-30	3.70	-1.760	-0.0010	-2.5 to 2.5	Pass
				-20	3.70	1.588	0.0009	-2.5 to 2.5	Pass
				-10	3.70	0.587	0.0003	-2.5 to 2.5	Pass
				0	3.70	-1.230	-0.0007	-2.5 to 2.5	Pass
				10	3.70	-3.204	-0.0018	-2.5 to 2.5	Pass
				30	3.70	2.146	0.0012	-2.5 to 2.5	Pass
				40	3.70	1.745	0.0010	-2.5 to 2.5	Pass
				50	3.70	4.392	0.0025	-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	27	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	27	0	Refer To Test Graph		Pass

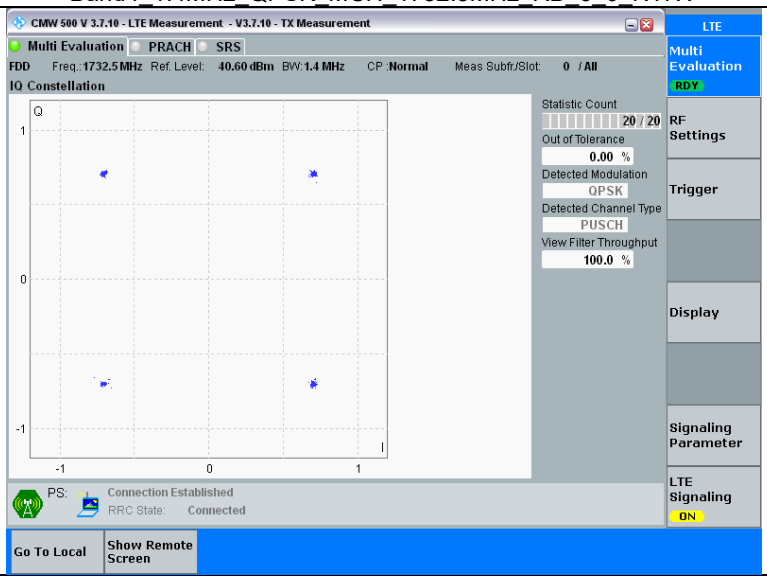
3.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

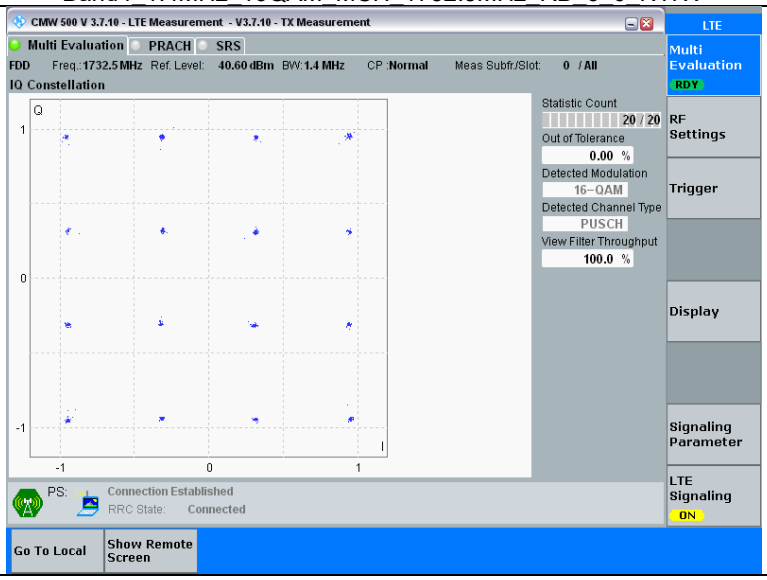
3.2 Test Graph

3.2.1 B4_1.4MHz

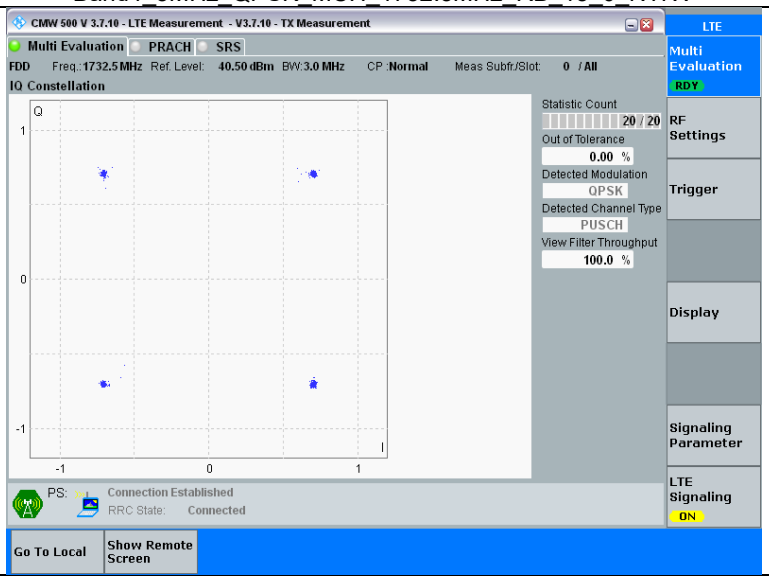
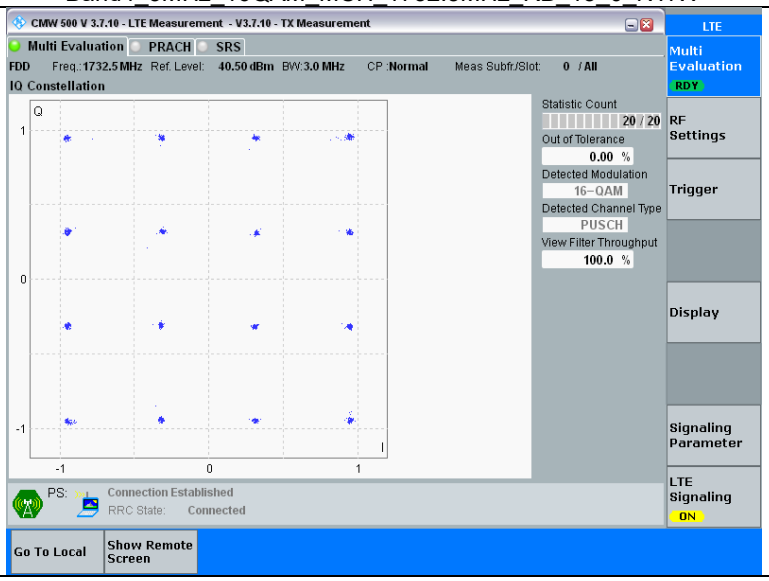
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



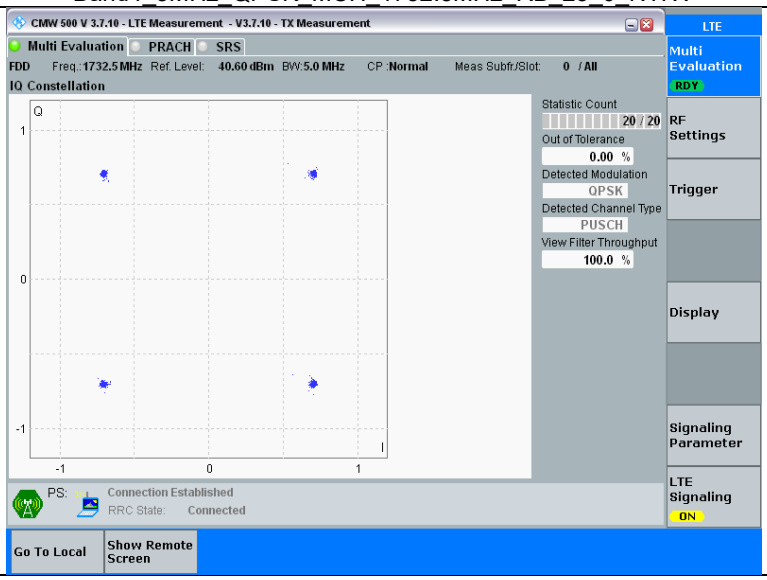
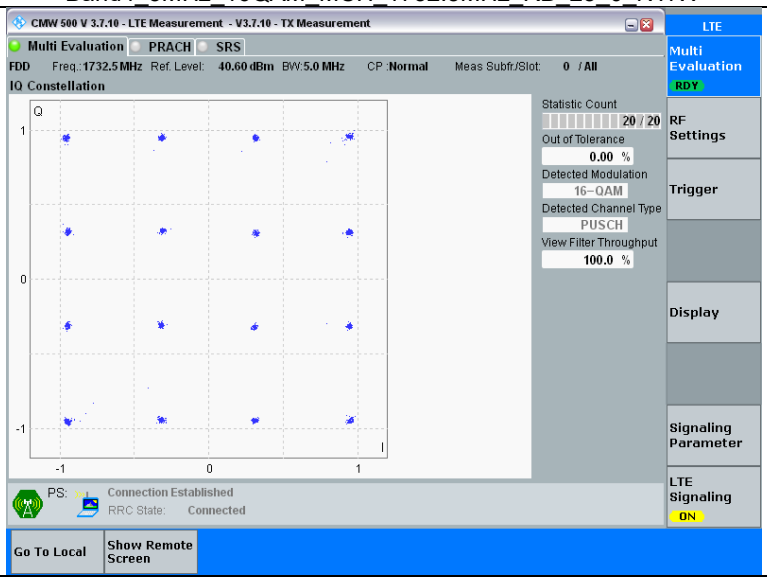
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



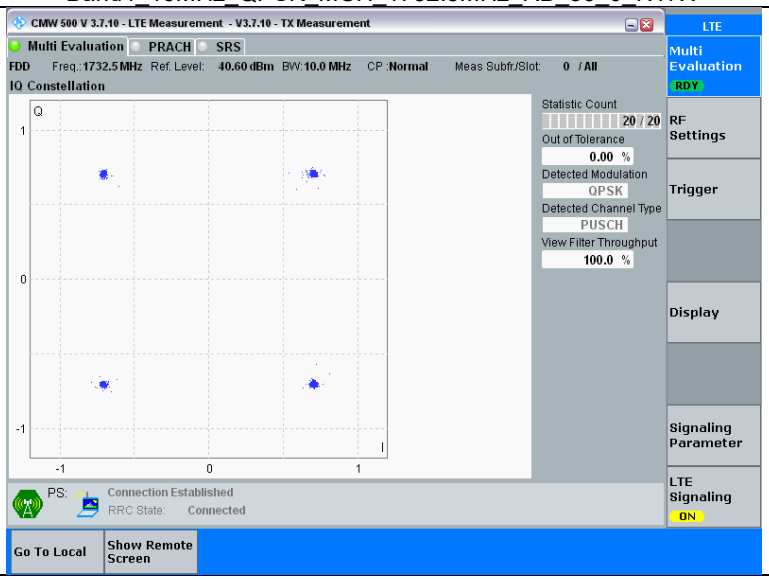
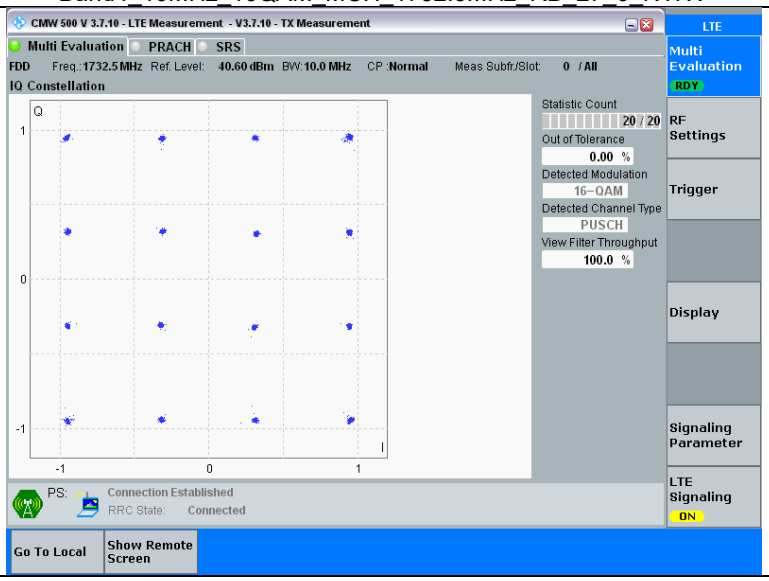
3.2.2 B4_3MHz

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV


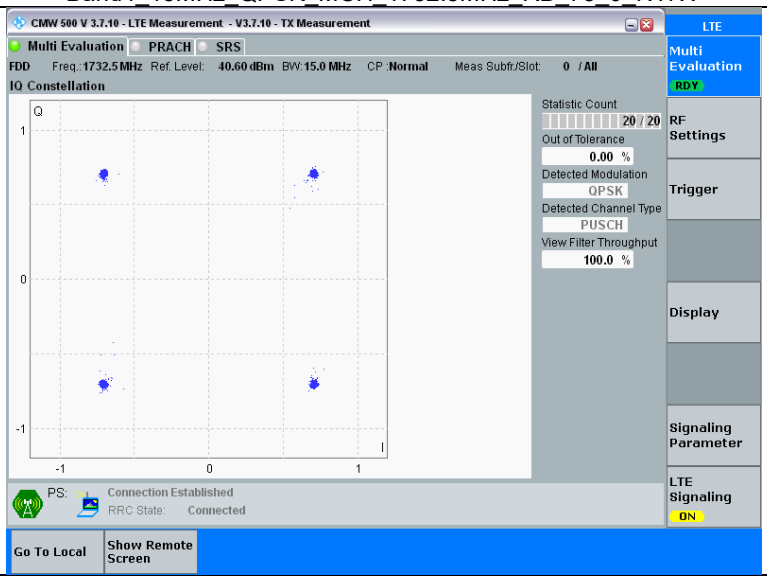
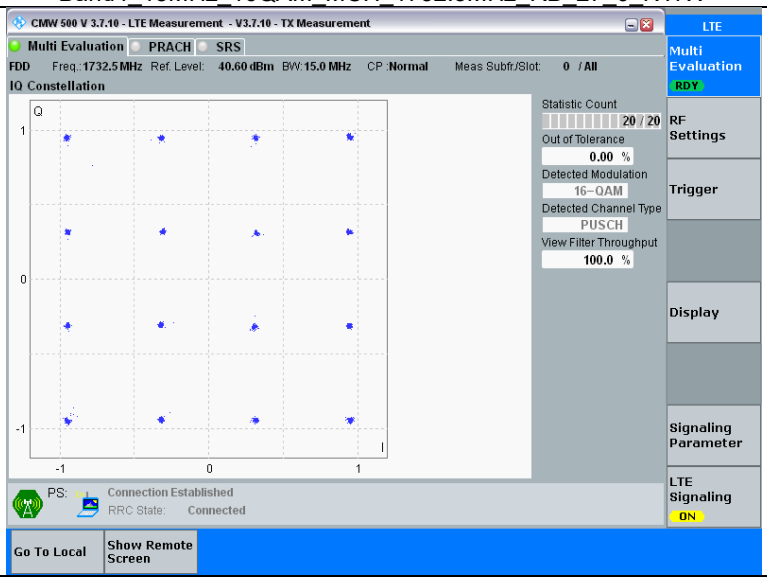
3.2.3 B4_5MHz

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV


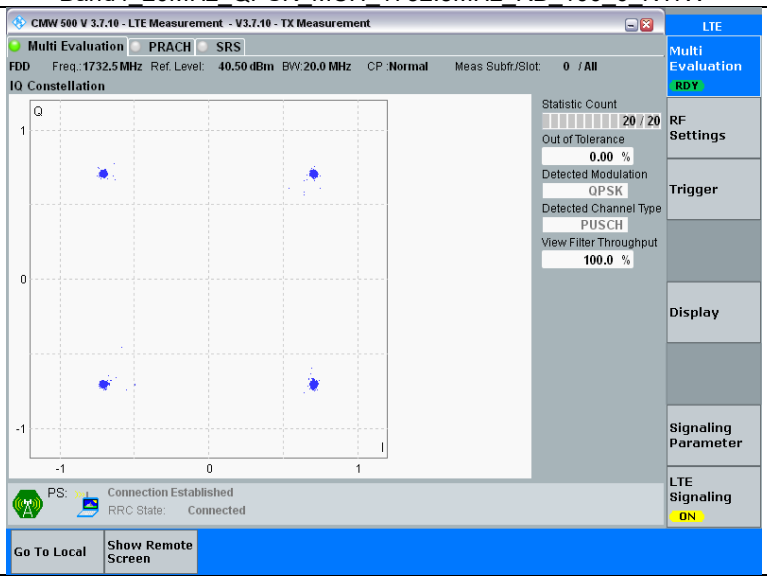
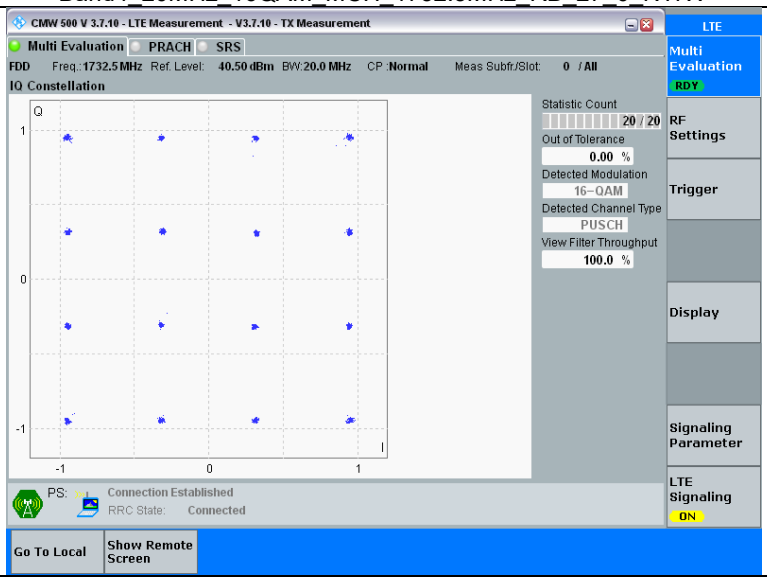
3.2.4 B4_10MHz

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


3.2.5 B4_15MHz

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


3.2.6 B4_20MHz

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV


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	1.119	/	Pass
		1732.5	6	0	1.113	/	Pass
		1754.3	6	0	1.113	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.099	/	Pass
		1754.3	6	0	1.103	/	Pass
3	QPSK	1711.5	15	0	2.738	/	Pass
		1732.5	15	0	2.739	/	Pass
		1753.5	15	0	2.737	/	Pass
	16QAM	1711.5	15	0	2.731	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.722	/	Pass
5	QPSK	1712.5	25	0	4.546	/	Pass
		1732.5	25	0	4.552	/	Pass
		1752.5	25	0	4.543	/	Pass
	16QAM	1712.5	25	0	4.561	/	Pass
		1732.5	25	0	4.541	/	Pass
		1752.5	25	0	4.526	/	Pass
10	QPSK	1715	50	0	9.076	/	Pass
		1732.5	50	0	9.055	/	Pass
		1750	50	0	9.060	/	Pass
	16QAM	1715	27	0	5.108	/	Pass
		1732.5	27	0	5.080	/	Pass
		1750	27	23	5.095	/	Pass
15	QPSK	1717.5	75	0	13.575	/	Pass
		1732.5	75	0	13.533	/	Pass
		1747.5	75	0	13.613	/	Pass
	16QAM	1717.5	27	0	5.415	/	Pass
		1732.5	27	0	5.314	/	Pass
		1747.5	27	48	5.301	/	Pass
20	QPSK	1720	100	0	18.084	/	Pass
		1732.5	100	0	18.000	/	Pass
		1745	100	0	18.156	/	Pass
	16QAM	1720	27	0	5.544	/	Pass
		1732.5	27	0	5.534	/	Pass
		1745	27	73	5.515	/	Pass

4.1.2 Band4_XDB

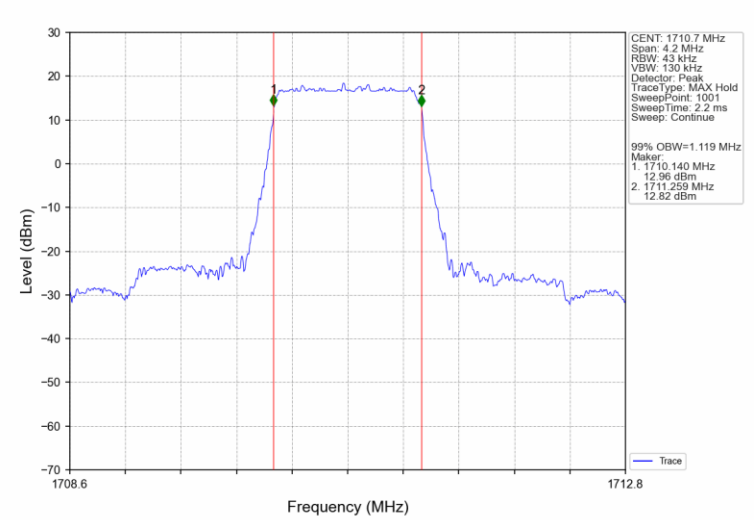
Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.308	/	Pass
		1732.5	6	0	1.333	/	Pass
		1754.3	6	0	1.342	/	Pass
	16QAM	1710.7	6	0	1.326	/	Pass
		1732.5	6	0	1.304	/	Pass
		1754.3	6	0	1.312	/	Pass
3	QPSK	1711.5	15	0	3.014	/	Pass

		1732.5	15	0	3.028	/	Pass
		1753.5	15	0	3.029	/	Pass
	16QAM	1711.5	15	0	3.021	/	Pass
		1732.5	15	0	3.010	/	Pass
		1753.5	15	0	3.029	/	Pass
5	QPSK	1712.5	25	0	5.056	/	Pass
		1732.5	25	0	5.078	/	Pass
		1752.5	25	0	5.032	/	Pass
	16QAM	1712.5	25	0	5.044	/	Pass
		1732.5	25	0	5.056	/	Pass
		1752.5	25	0	5.047	/	Pass
10	QPSK	1715	50	0	9.943	/	Pass
		1732.5	50	0	9.918	/	Pass
		1750	50	0	10.006	/	Pass
	16QAM	1715	27	0	6.128	/	Pass
		1732.5	27	0	6.073	/	Pass
		1750	27	23	6.021	/	Pass
15	QPSK	1717.5	75	0	14.998	/	Pass
		1732.5	75	0	14.905	/	Pass
		1747.5	75	0	15.073	/	Pass
	16QAM	1717.5	27	0	6.812	/	Pass
		1732.5	27	0	6.644	/	Pass
		1747.5	27	48	6.654	/	Pass
20	QPSK	1720	100	0	19.717	/	Pass
		1732.5	100	0	19.620	/	Pass
		1745	100	0	19.691	/	Pass
	16QAM	1720	27	0	7.071	/	Pass
		1732.5	27	0	6.974	/	Pass
		1745	27	73	6.914	/	Pass

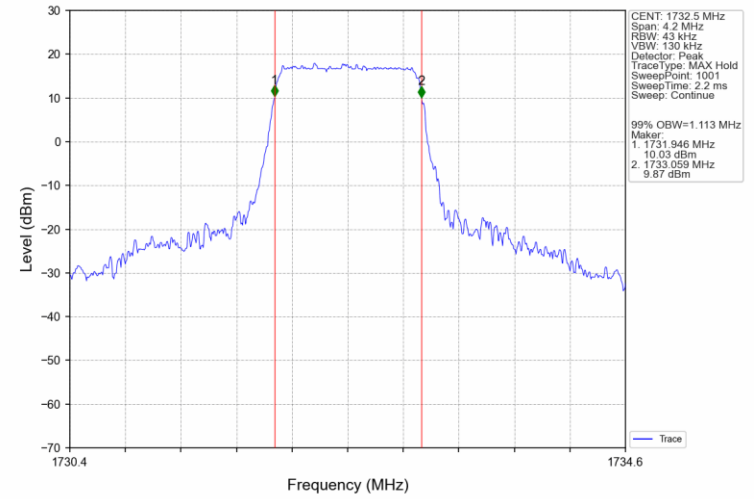
4.2 Test Graph

4.2.1 Band4_OBW

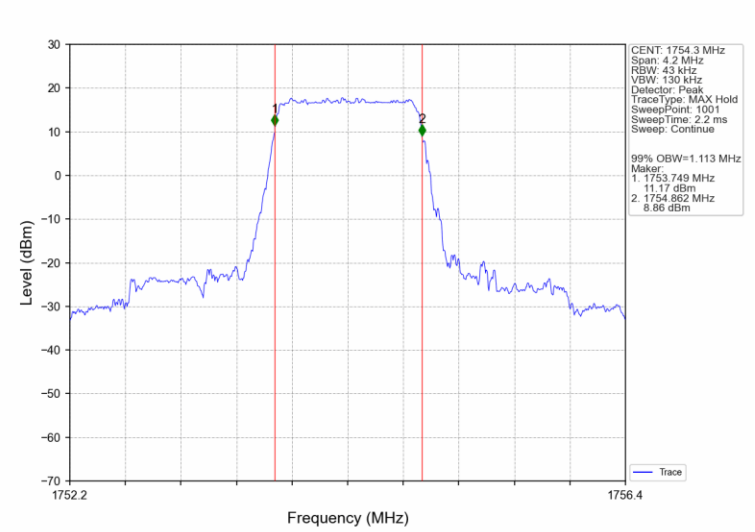
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



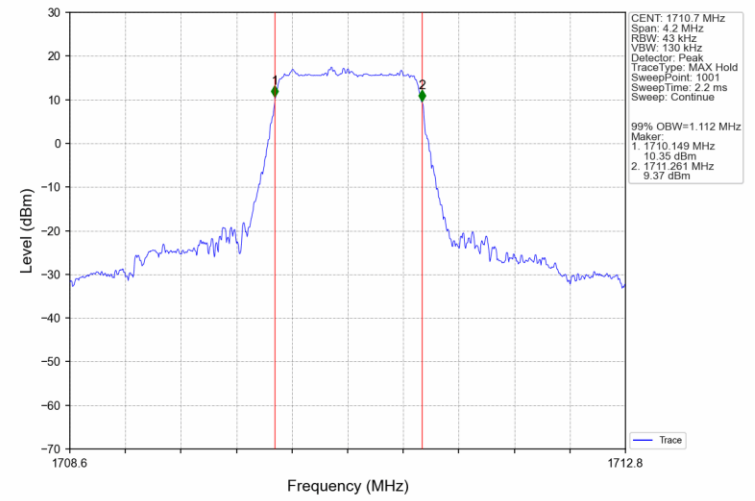
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



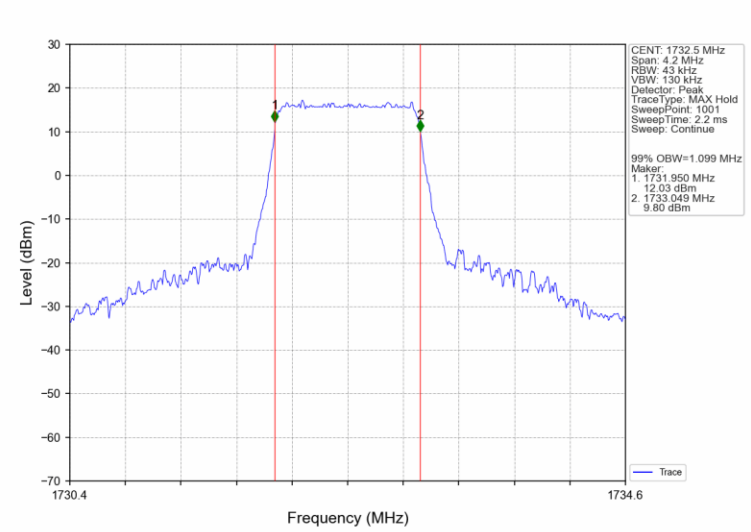
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



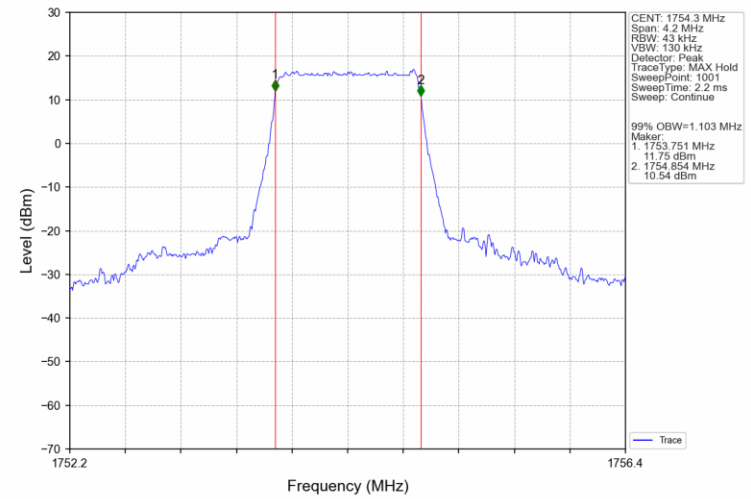
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



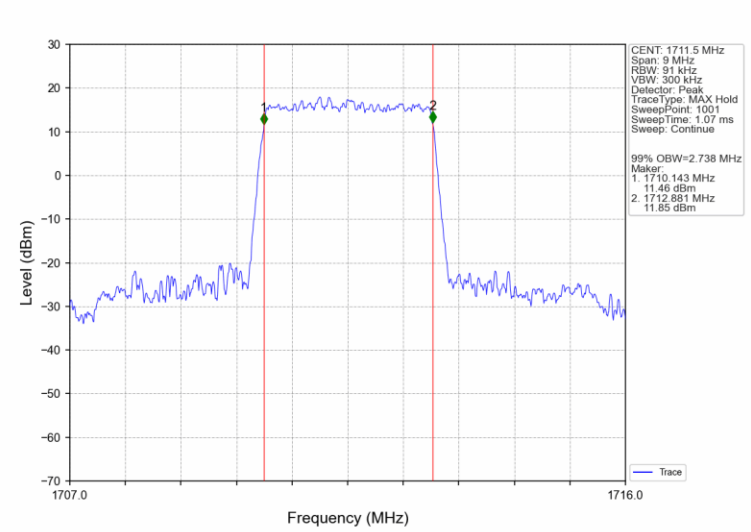
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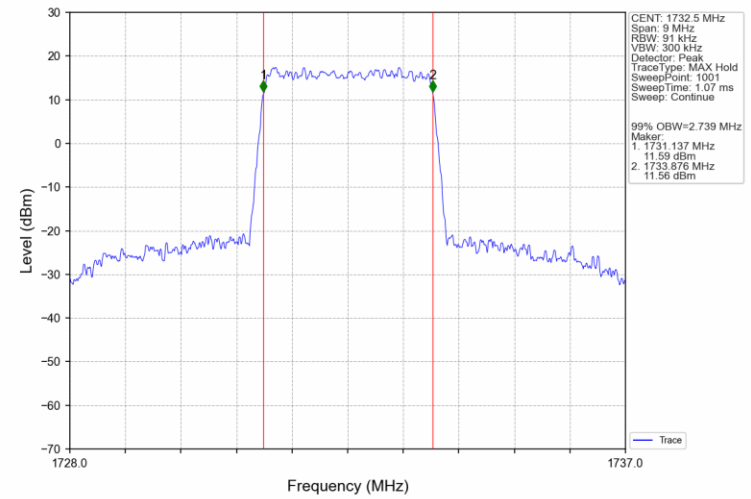
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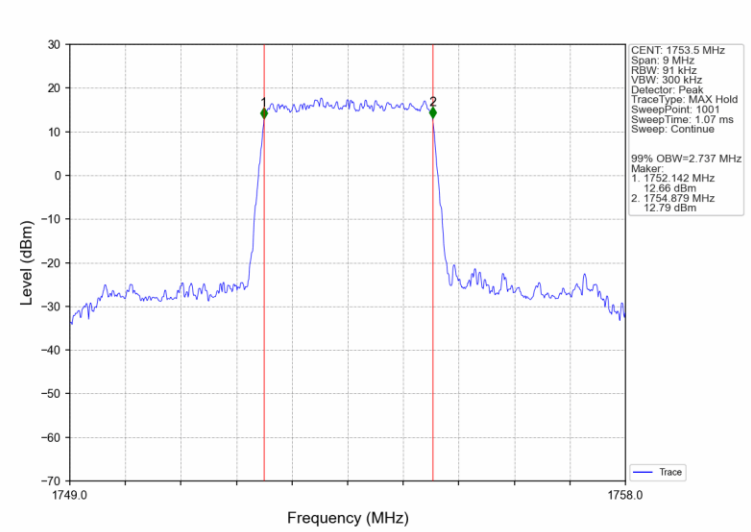
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



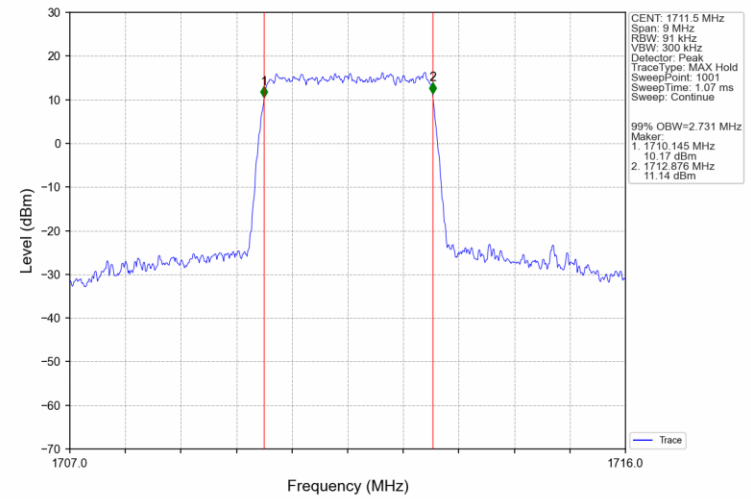
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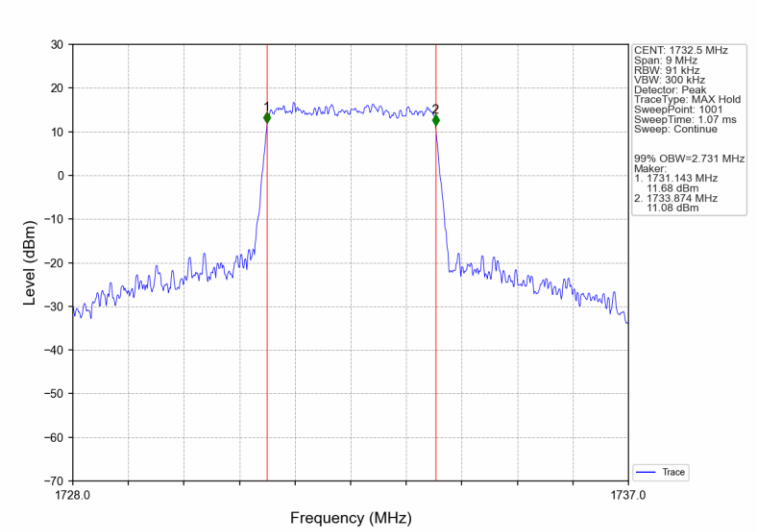
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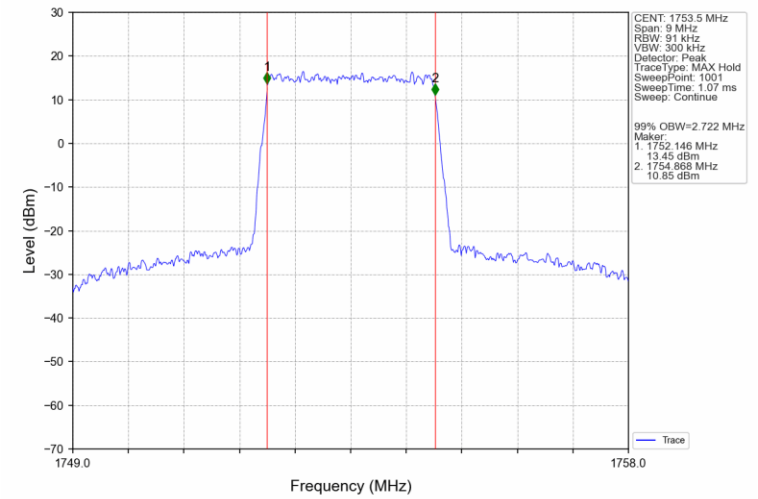
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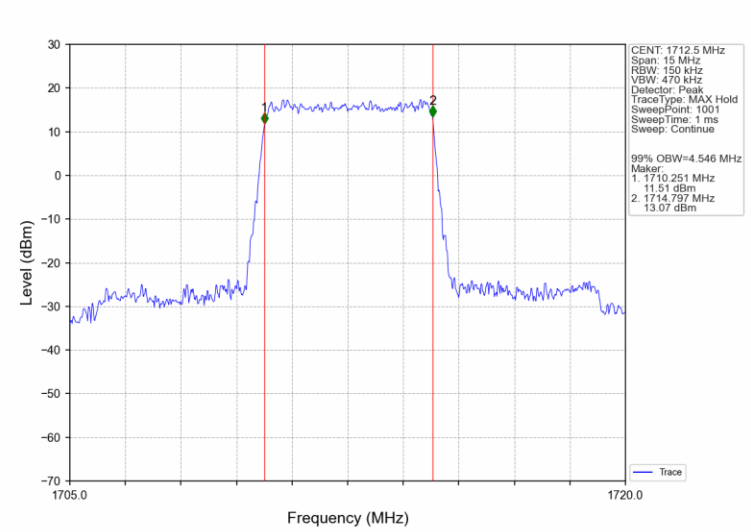
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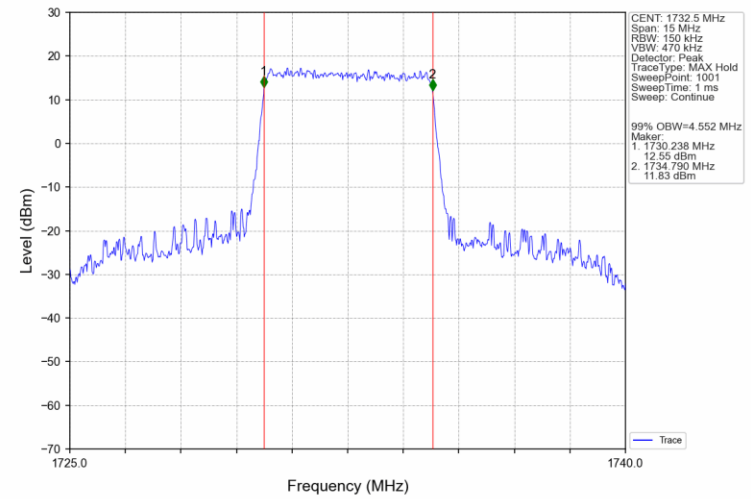
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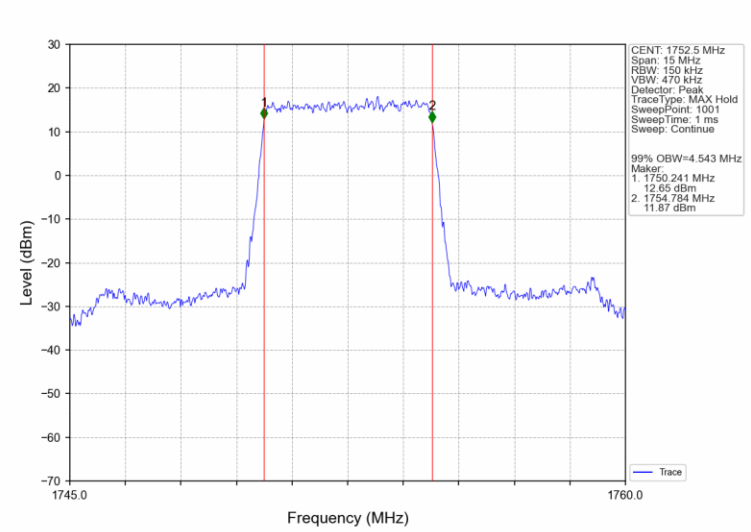
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



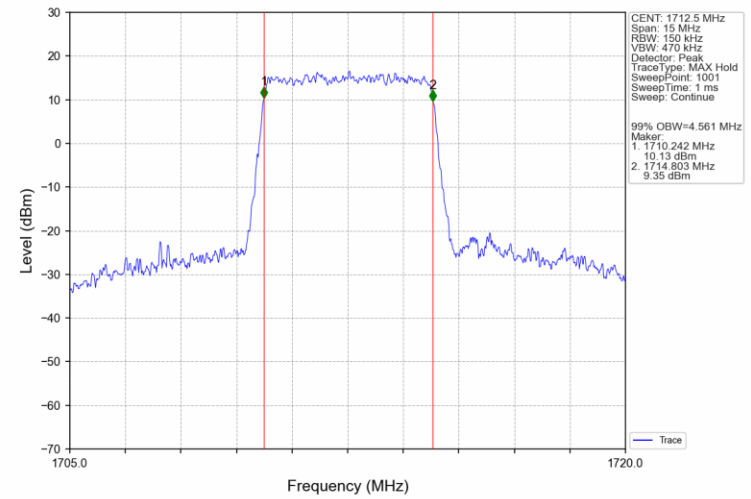
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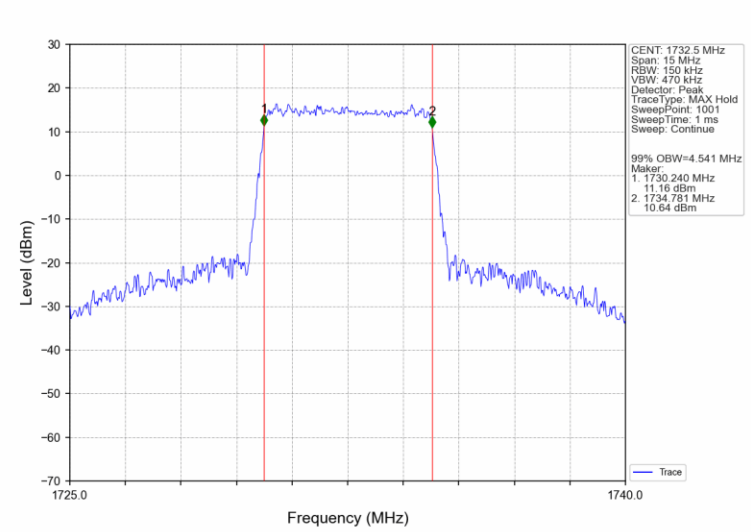
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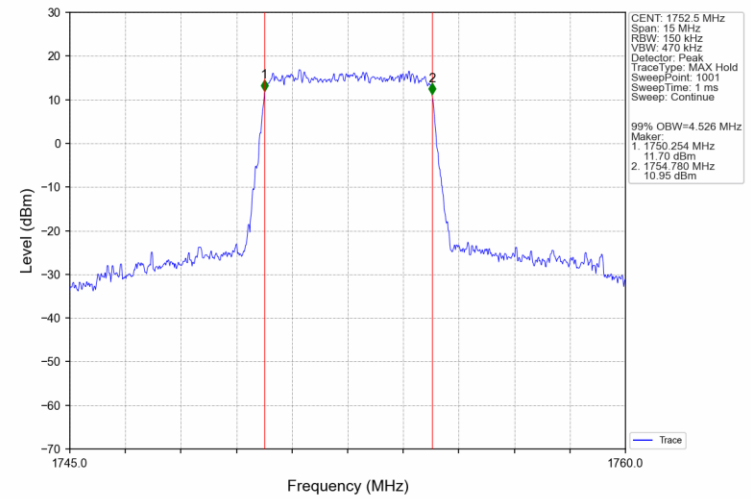
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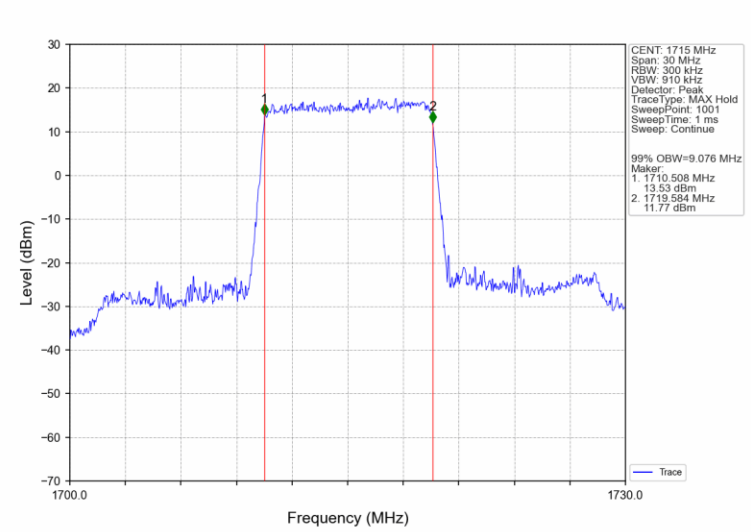
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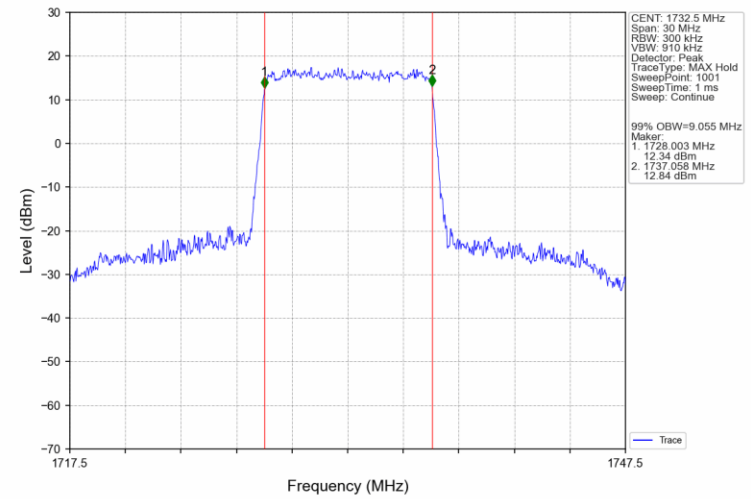
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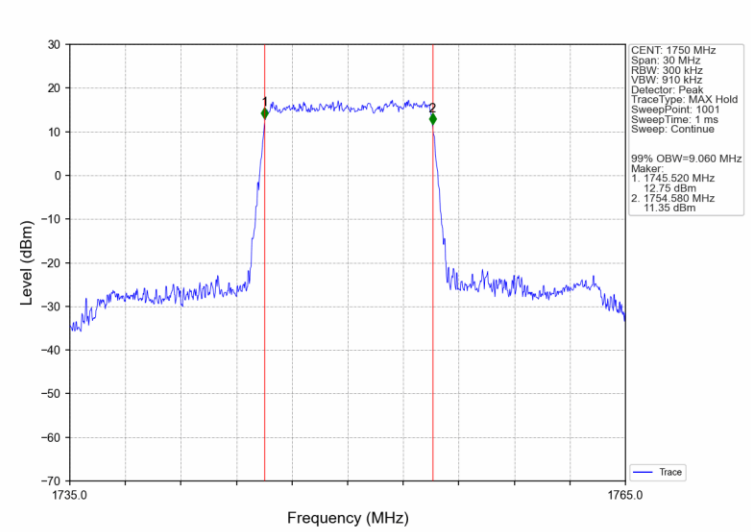
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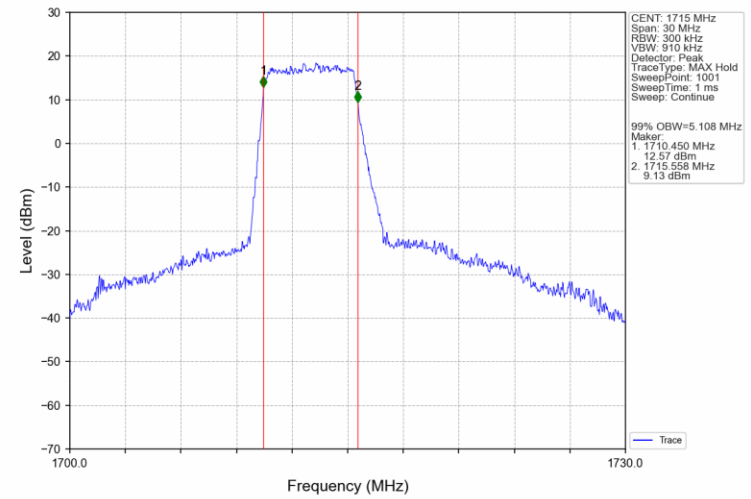
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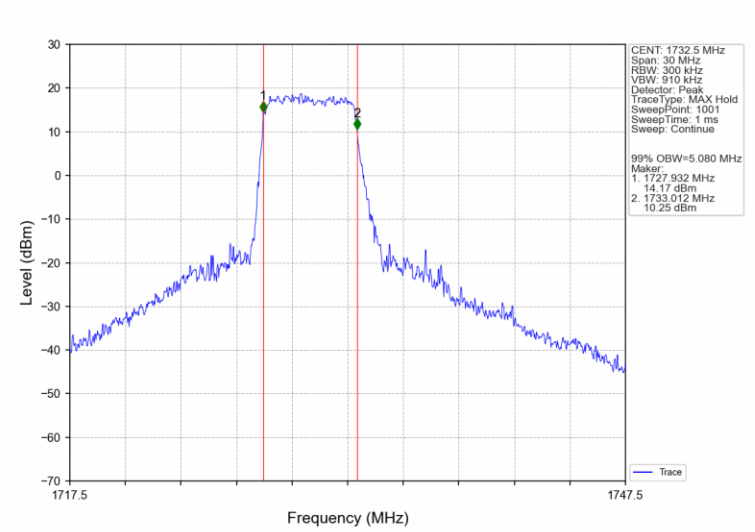
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



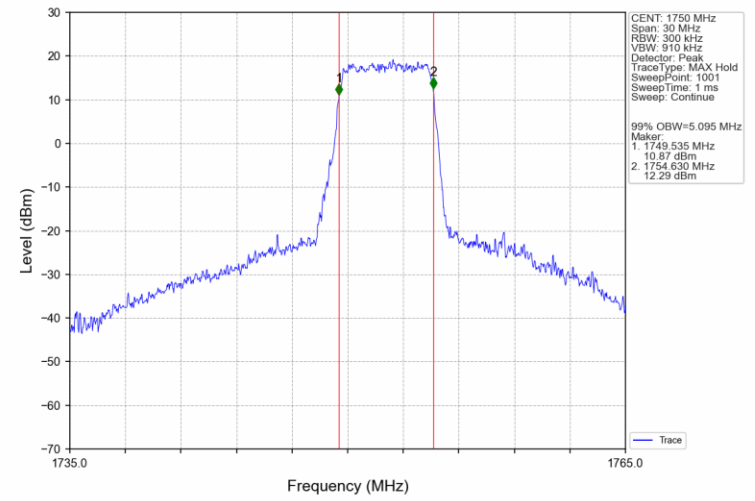
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



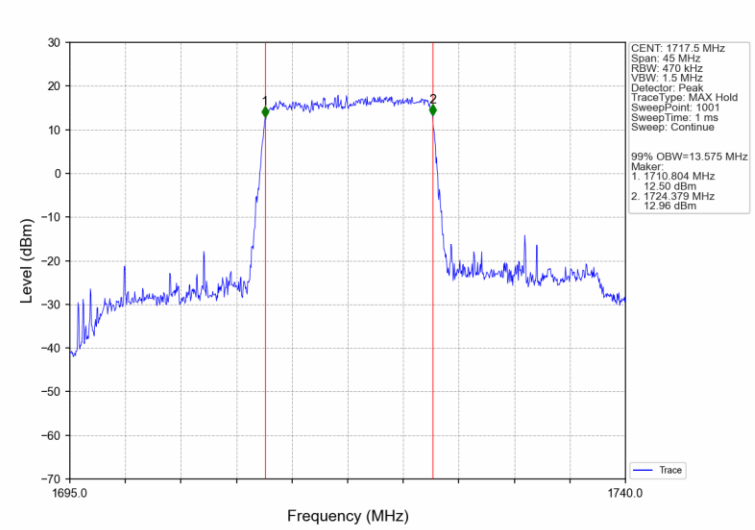
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



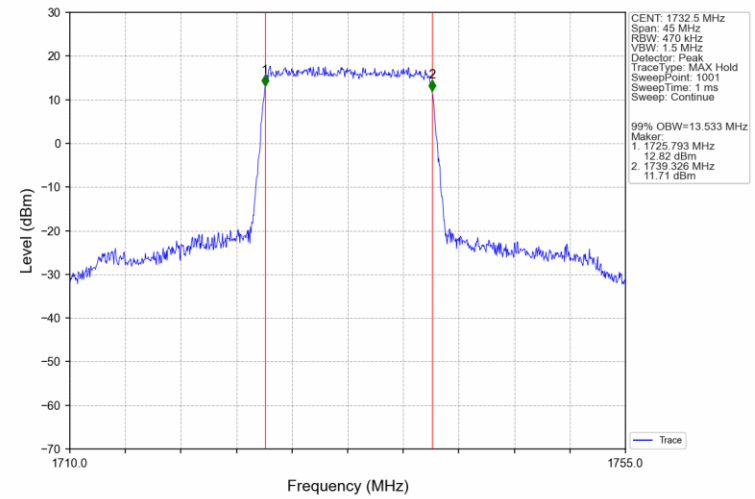
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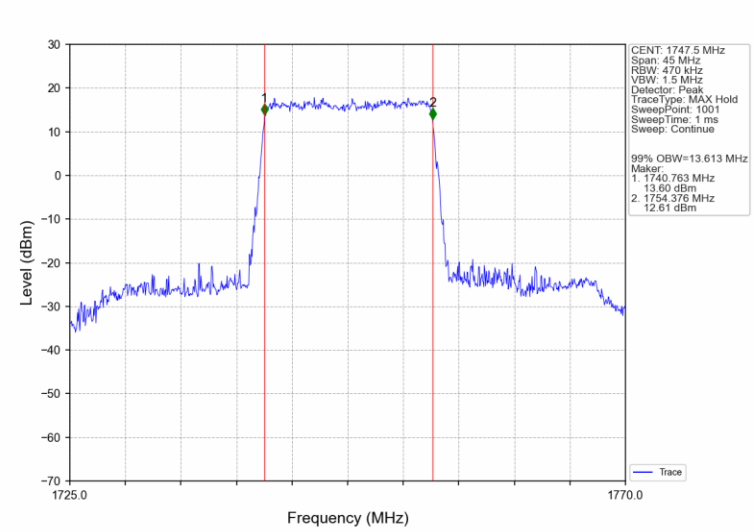
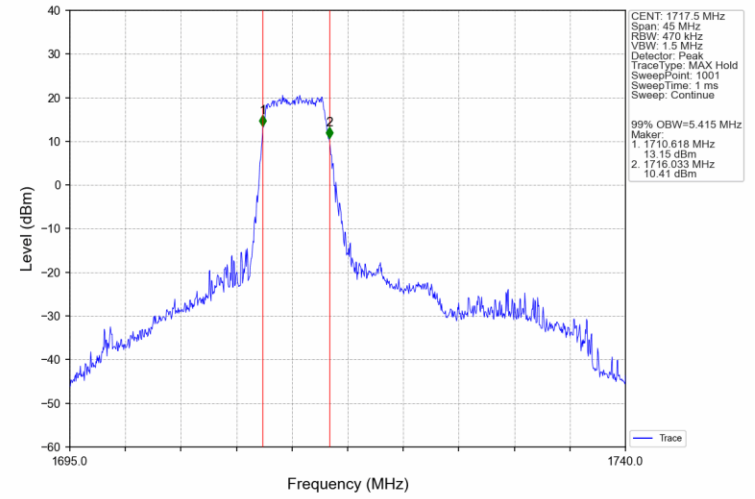


Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

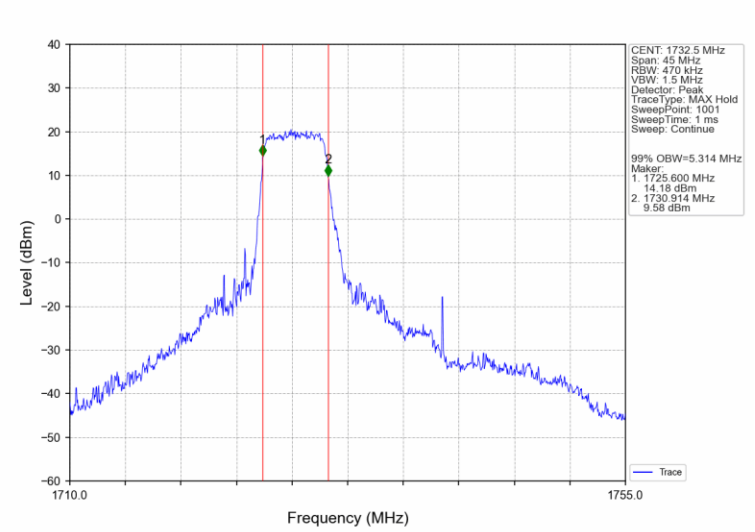


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

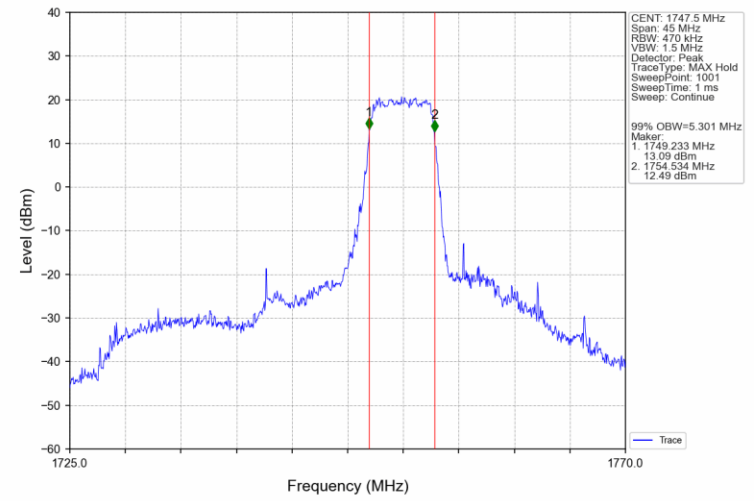


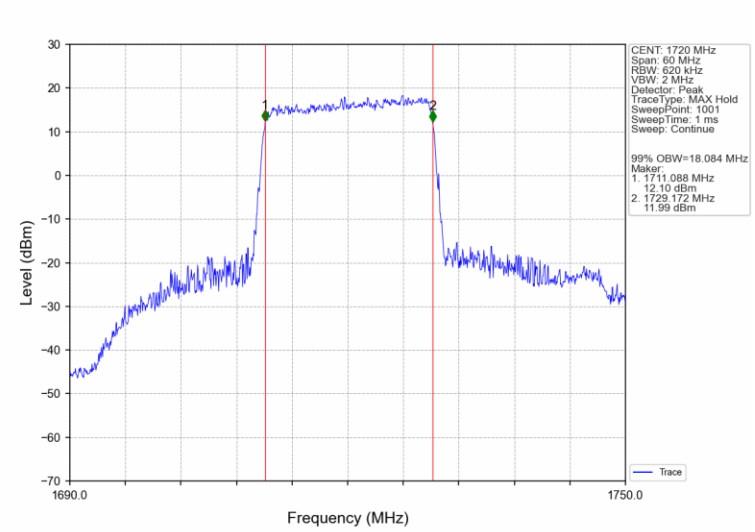
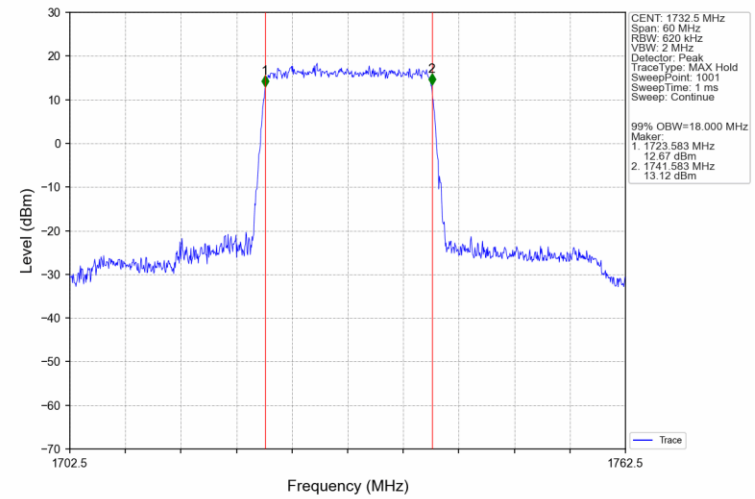
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV


Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

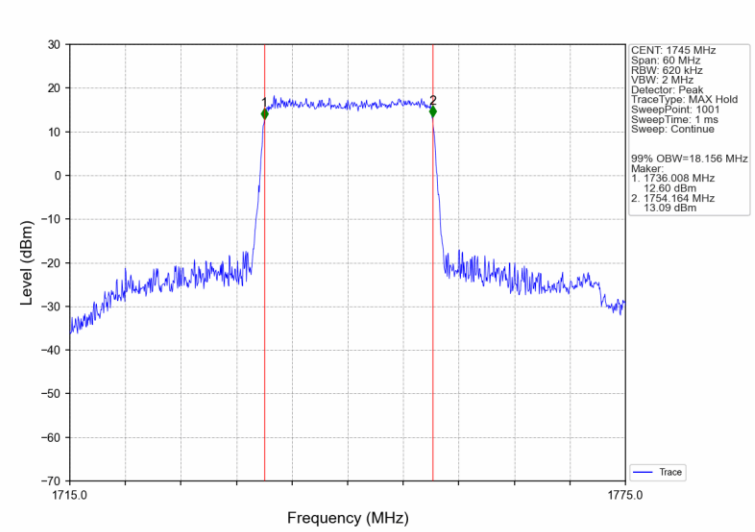


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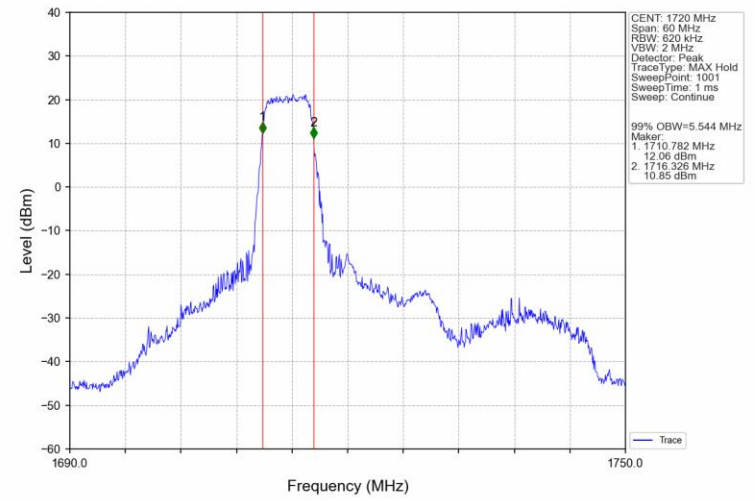


Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV


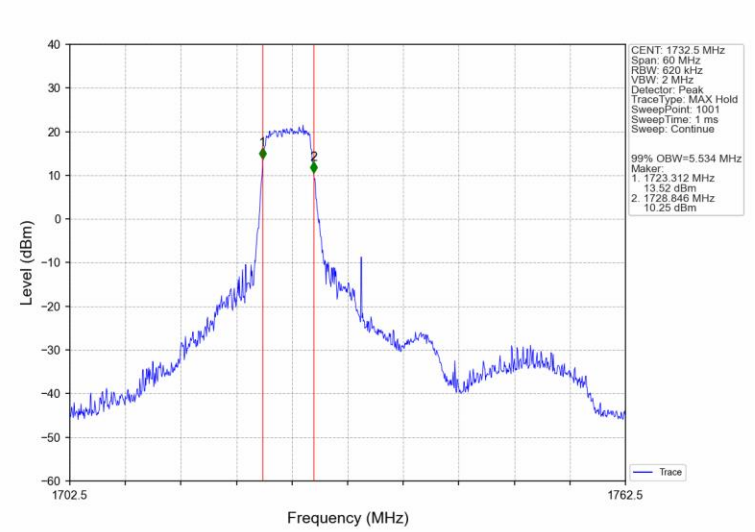
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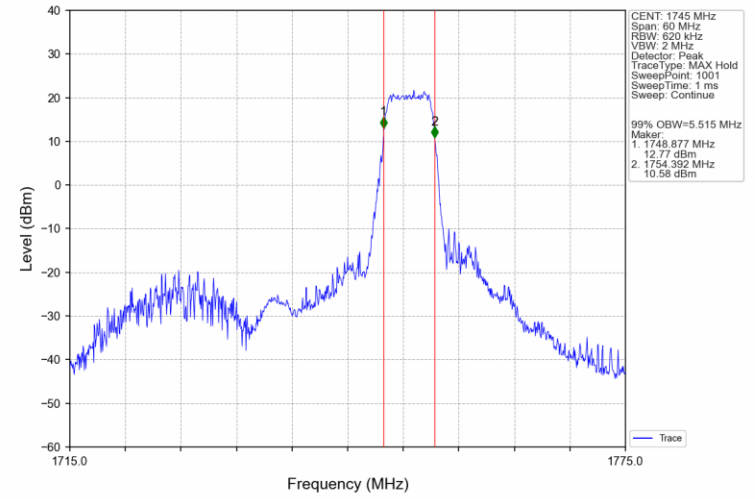
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV

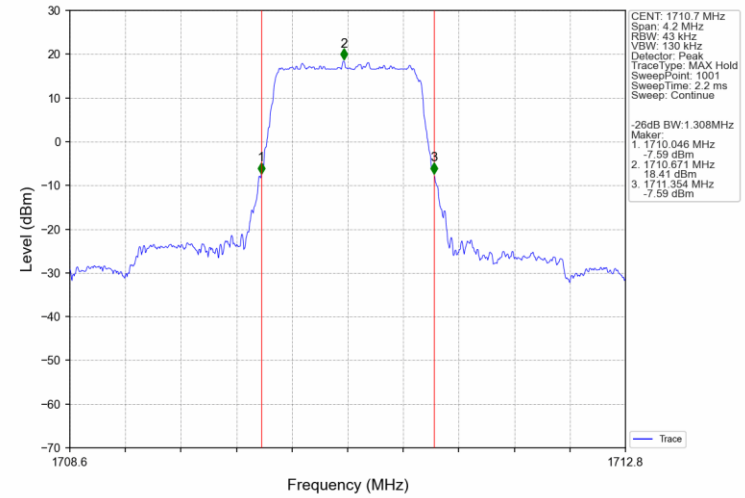


Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV

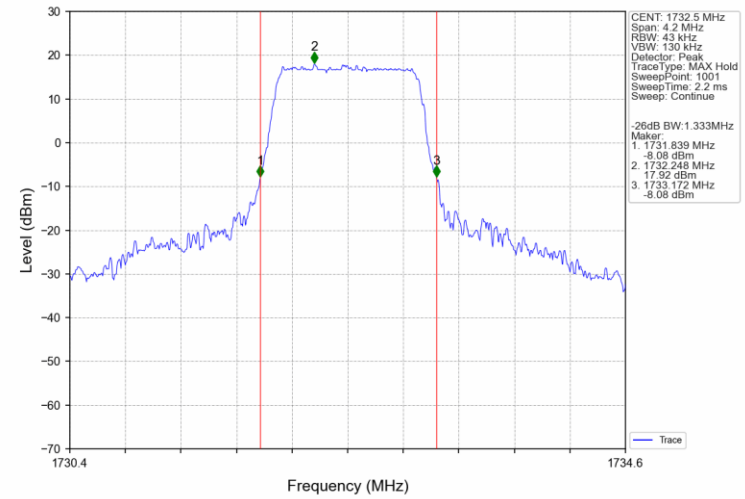


4.2.2 Band4_XDB

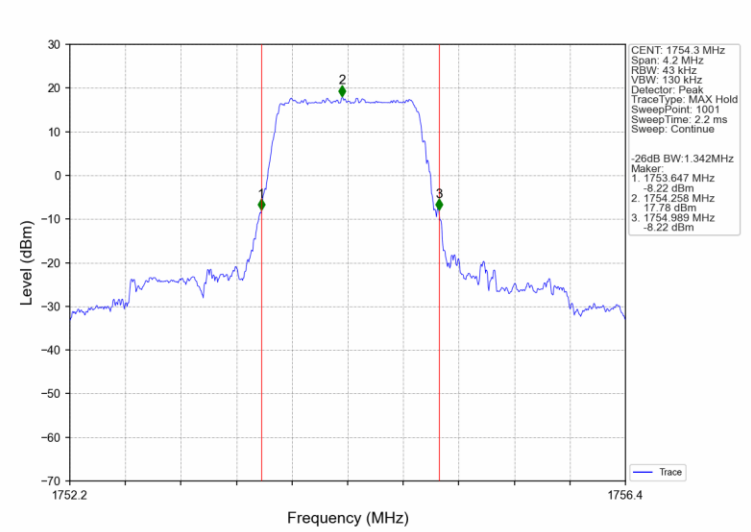
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



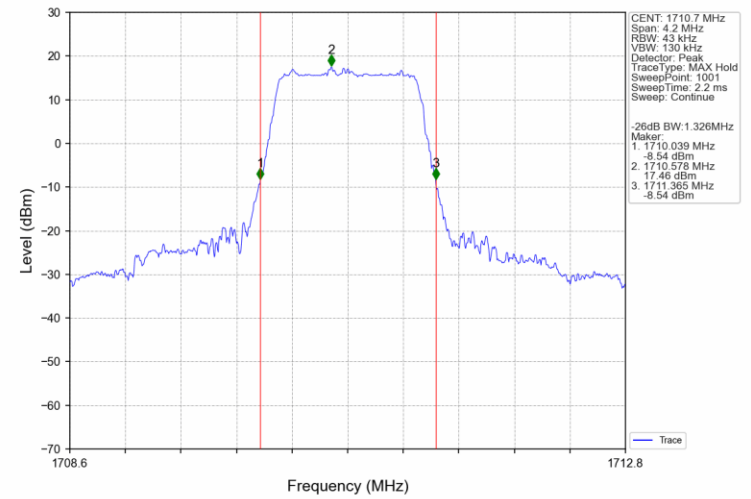
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



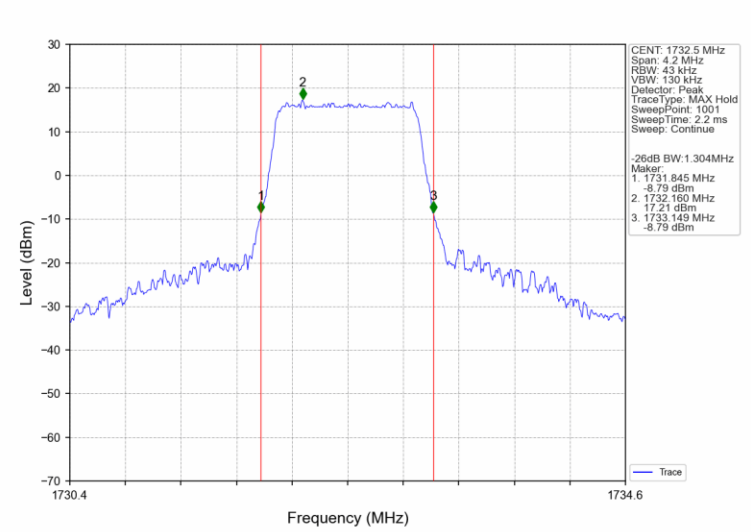
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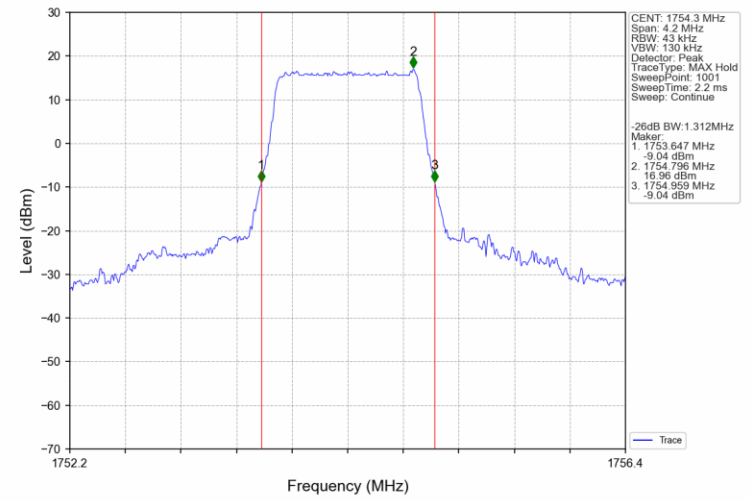
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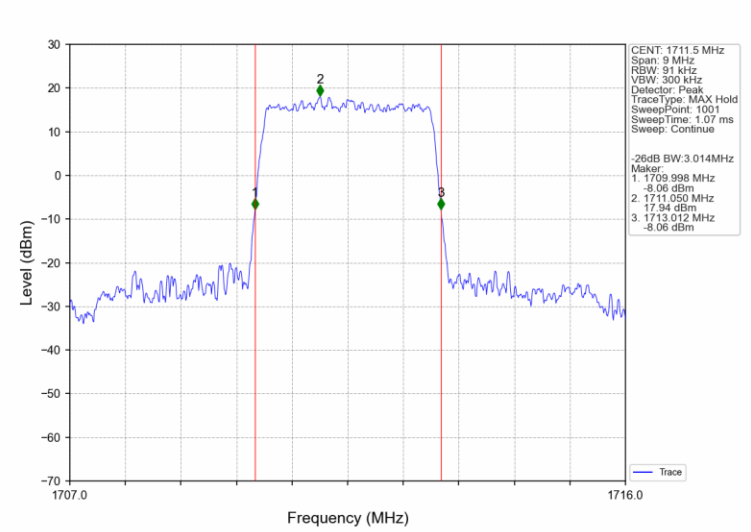
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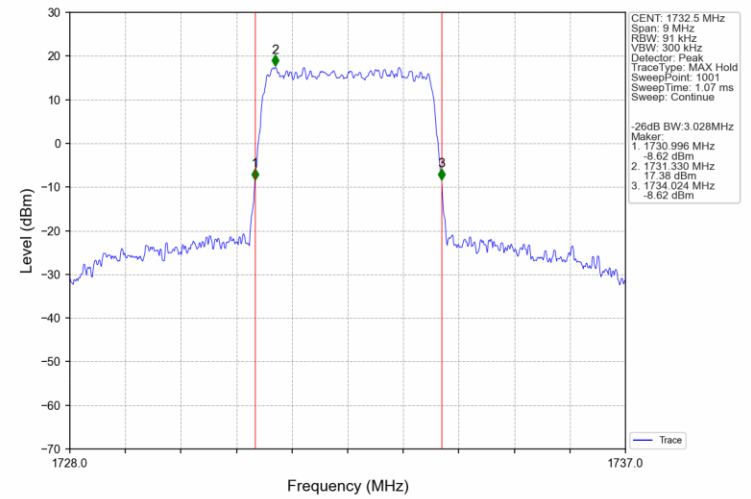
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

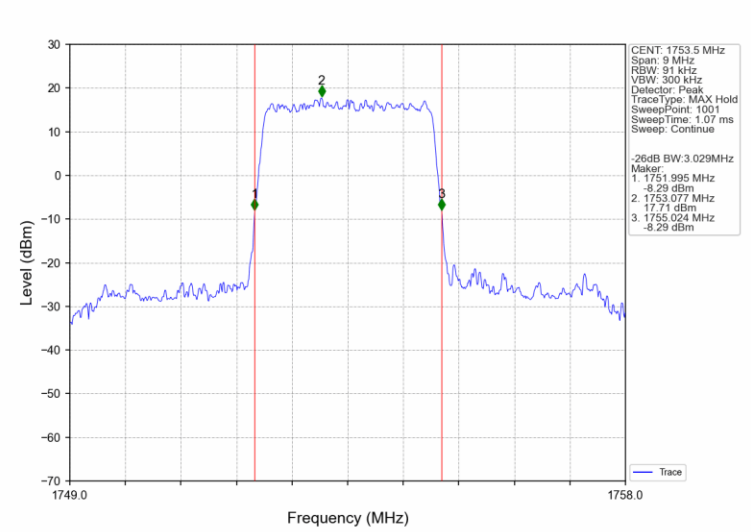
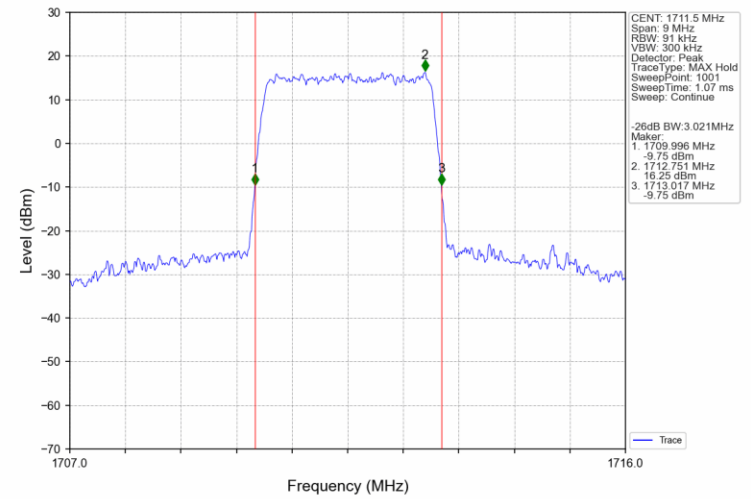


Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

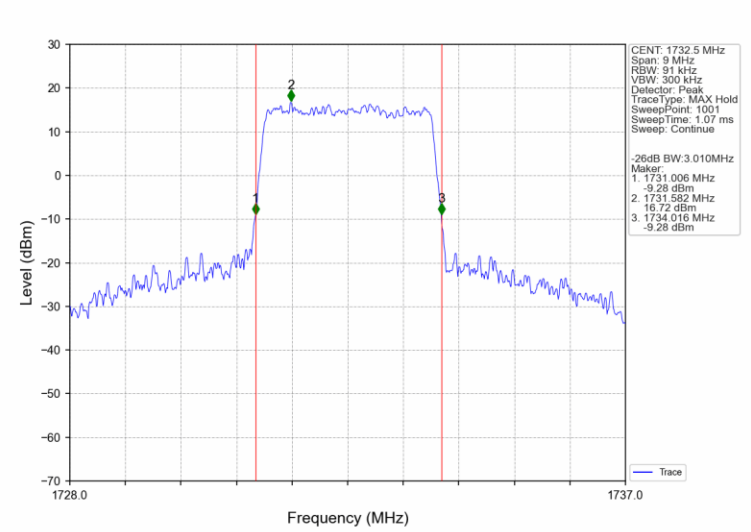


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

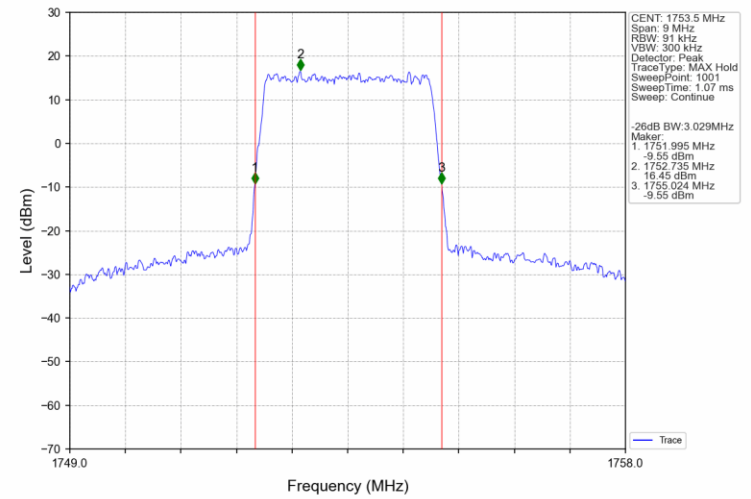


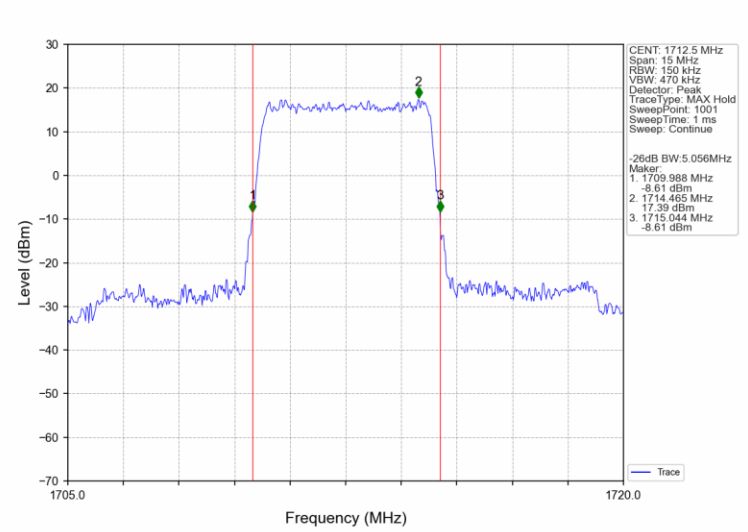
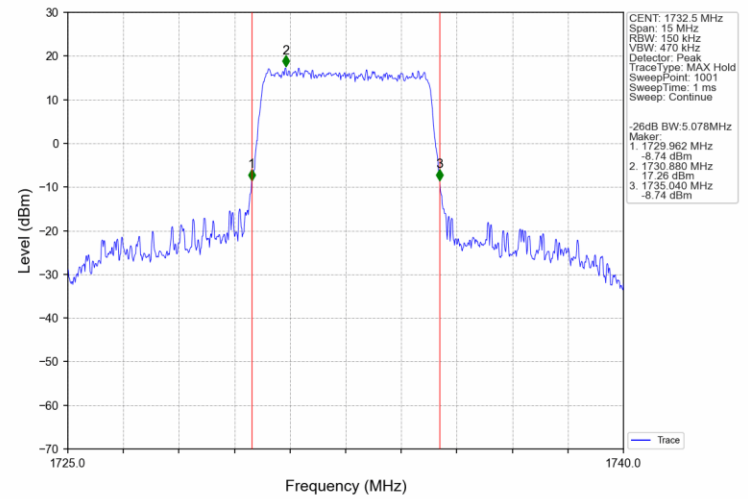
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV


Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

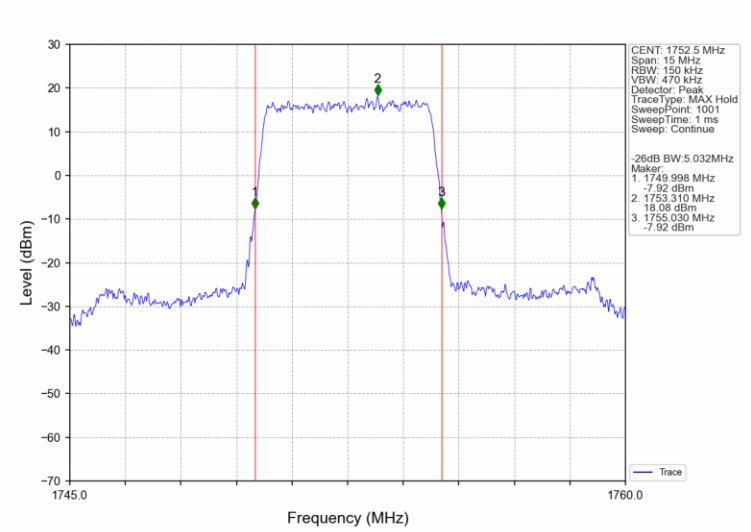


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

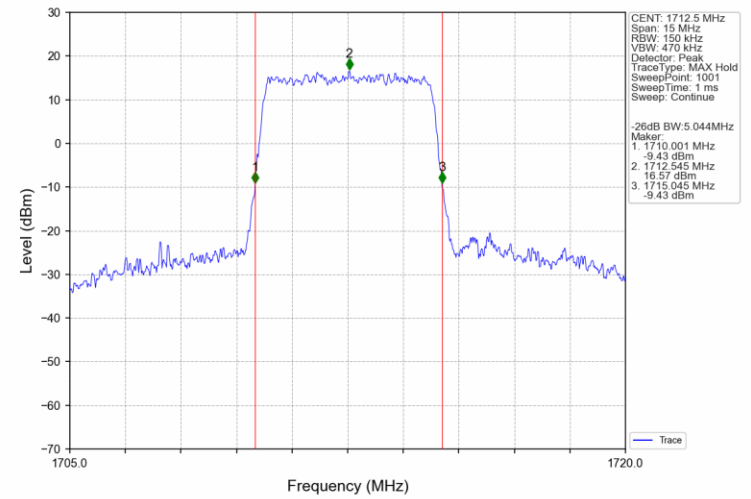


Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV


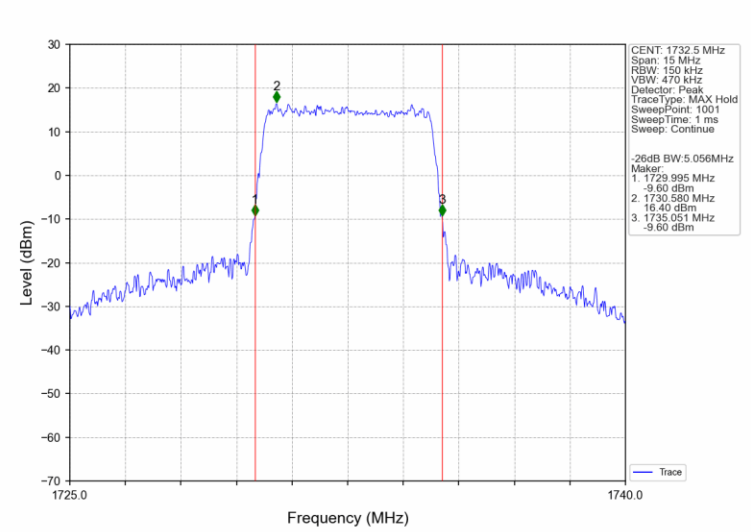
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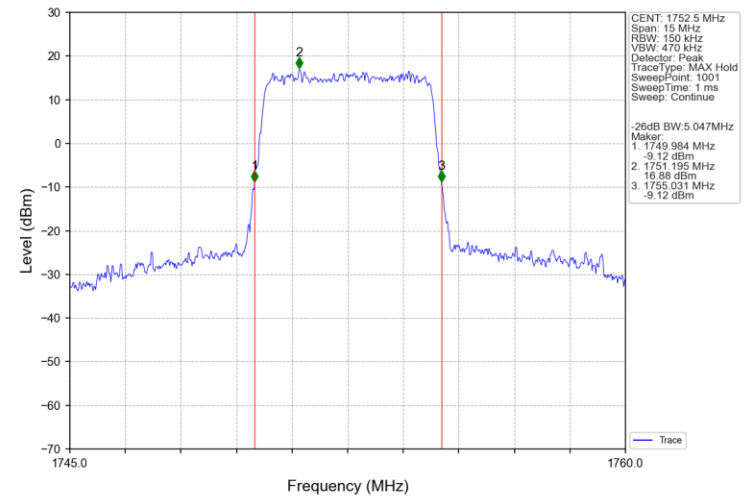
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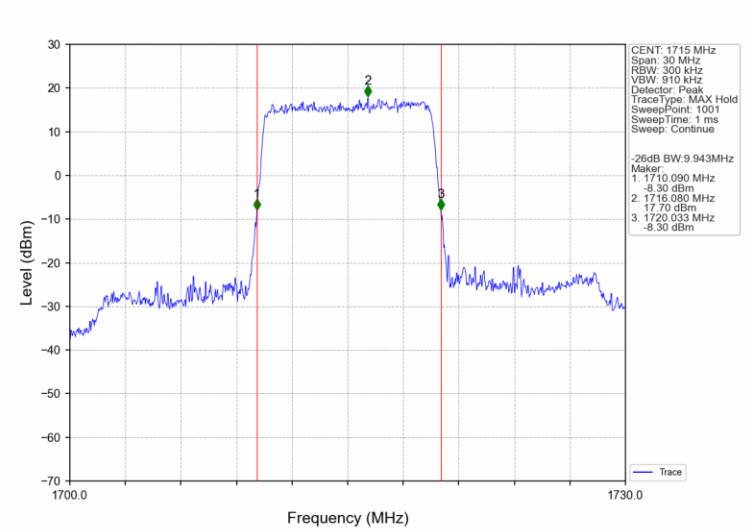
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



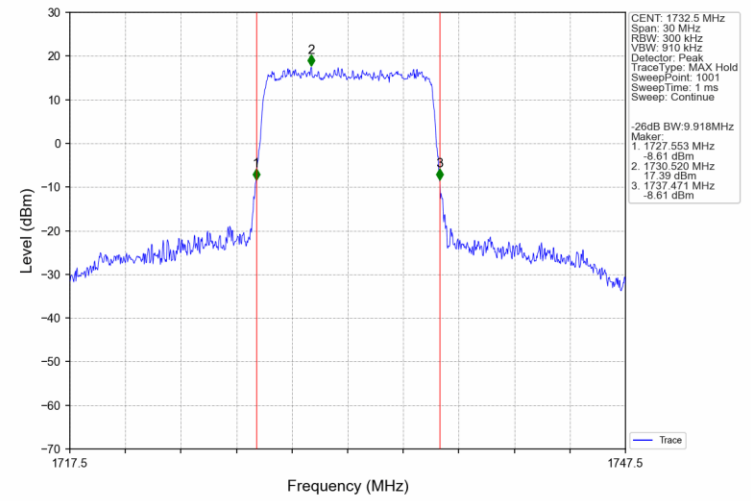
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



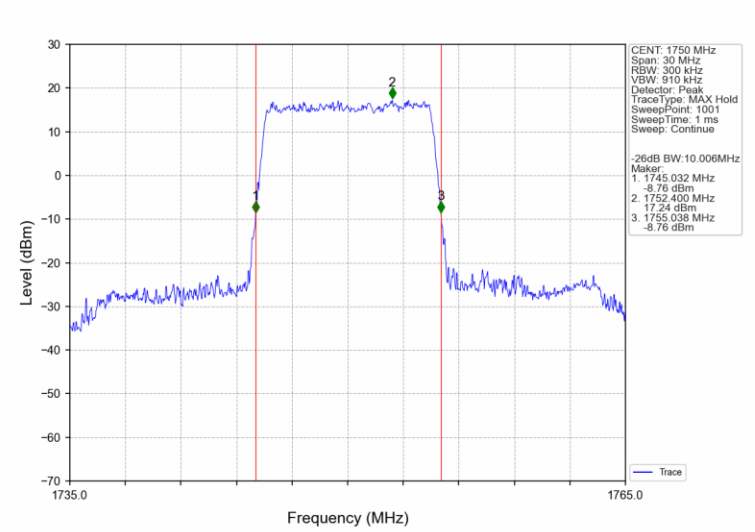
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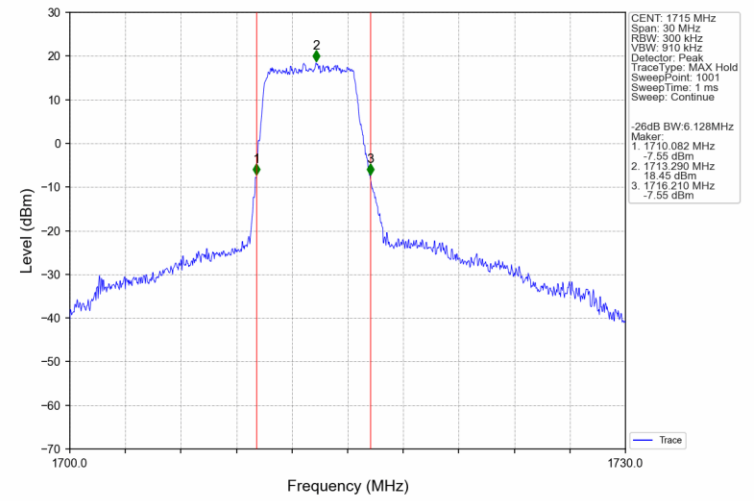
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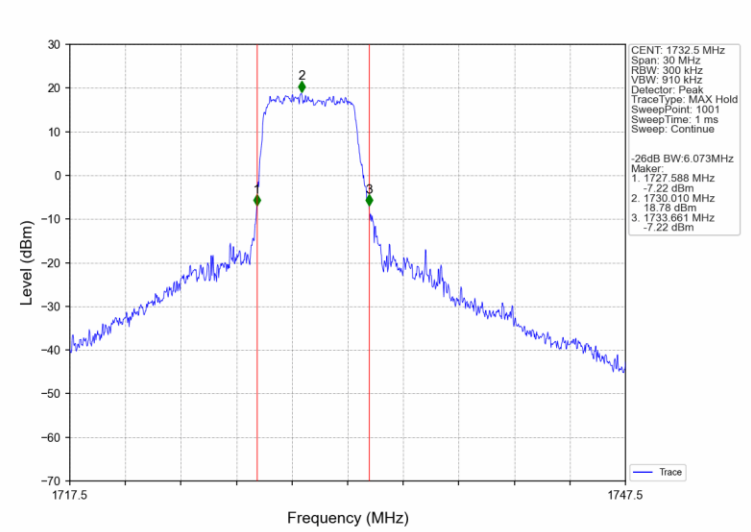
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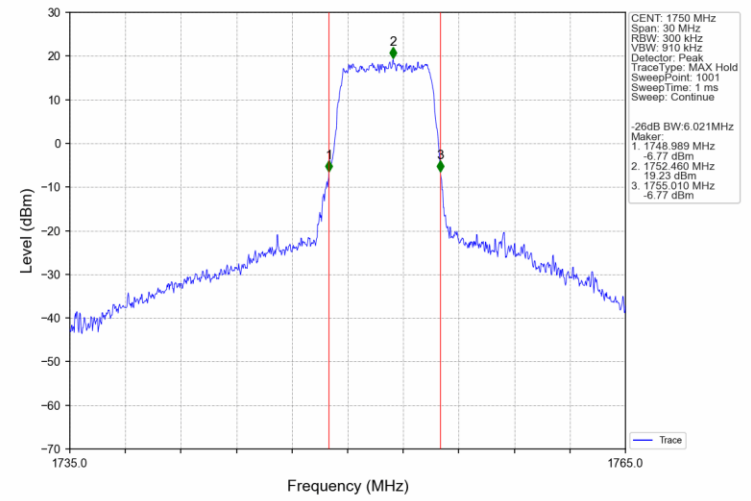
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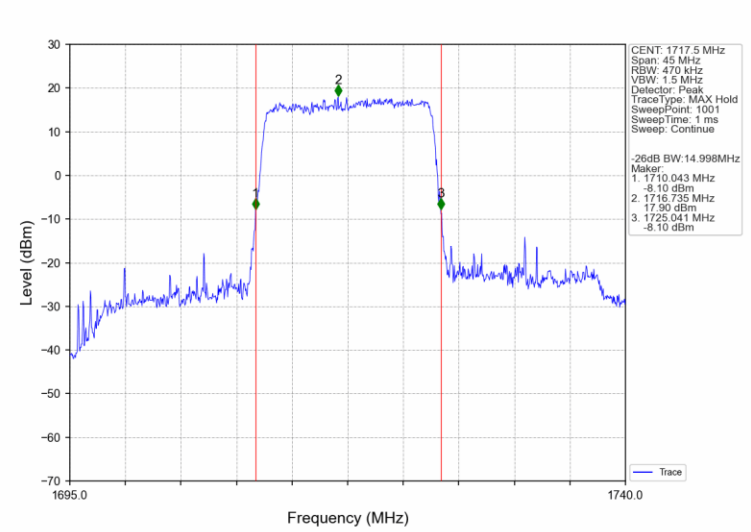
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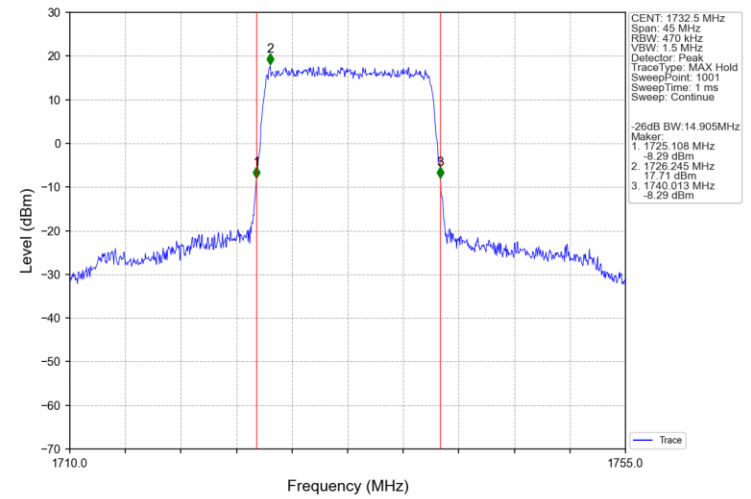
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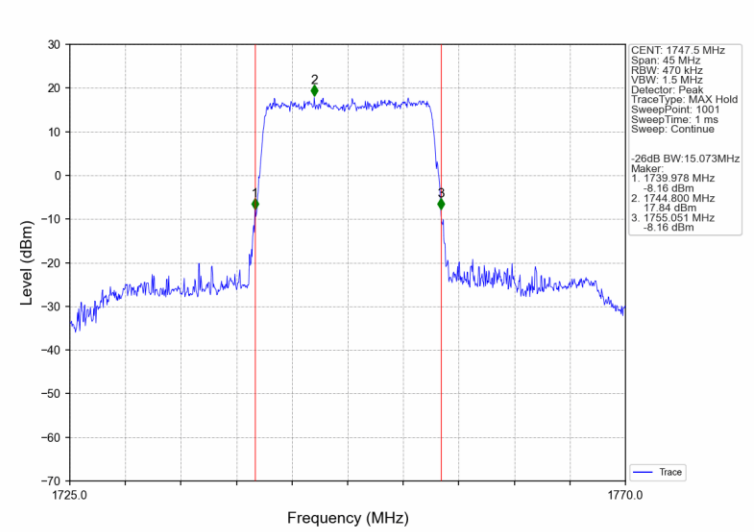
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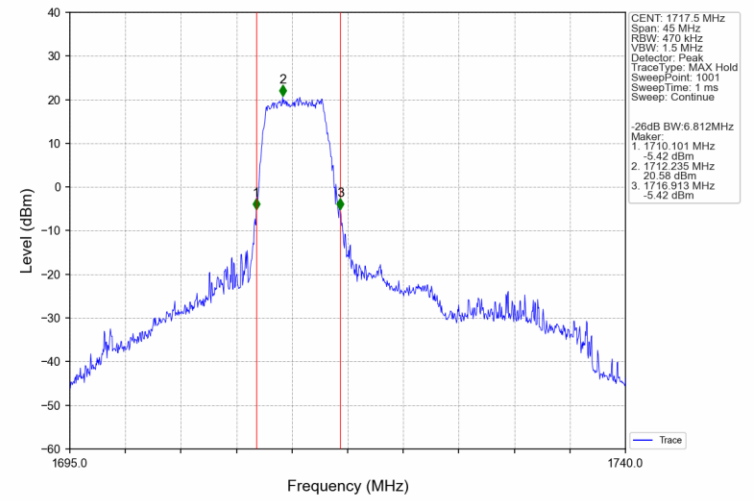
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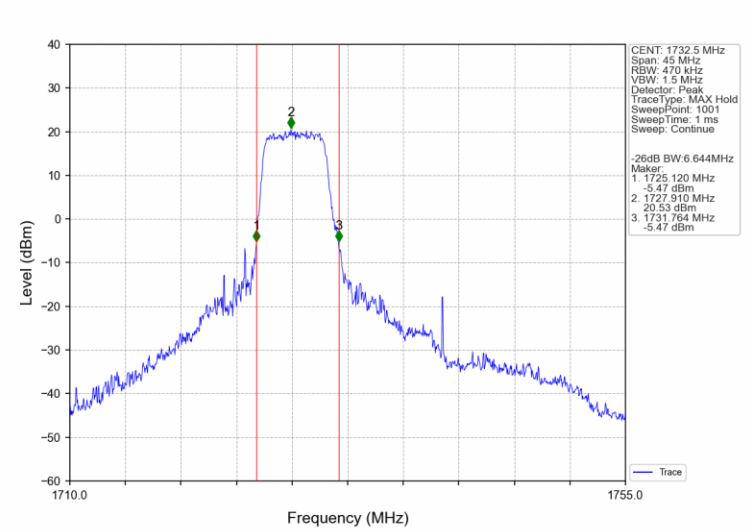
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV

