

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	21.40	-0.10	21.30	<=30	Pass
			2	21.40	-0.10	21.30	<=30	Pass
			5	21.43	-0.10	21.33	<=30	Pass
		3	0	21.38	-0.10	21.28	<=30	Pass
			2	21.36	-0.10	21.26	<=30	Pass
			3	21.33	-0.10	21.23	<=30	Pass
		6	0	20.42	-0.10	20.32	<=30	Pass
	1732.5	1	0	21.48	-0.10	21.38	<=30	Pass
			2	21.65	-0.10	21.55	<=30	Pass
			5	21.72	-0.10	21.62	<=30	Pass
		3	0	21.55	-0.10	21.45	<=30	Pass
			2	21.52	-0.10	21.42	<=30	Pass
			3	21.55	-0.10	21.45	<=30	Pass
		6	0	20.52	-0.10	20.42	<=30	Pass
	1754.3	1	0	20.61	-0.10	20.51	<=30	Pass
			2	20.58	-0.10	20.48	<=30	Pass
			5	20.56	-0.10	20.46	<=30	Pass
		3	0	20.66	-0.10	20.56	<=30	Pass
			2	20.65	-0.10	20.55	<=30	Pass
			3	20.65	-0.10	20.55	<=30	Pass
		6	0	20.65	-0.10	20.55	<=30	Pass
16QAM	1710.7	1	0	20.36	-0.10	20.26	<=30	Pass
			2	20.40	-0.10	20.30	<=30	Pass
			5	20.45	-0.10	20.35	<=30	Pass
		3	0	20.34	-0.10	20.24	<=30	Pass
			2	20.23	-0.10	20.13	<=30	Pass
			3	20.22	-0.10	20.12	<=30	Pass
		6	0	19.45	-0.10	19.35	<=30	Pass
	1732.5	1	0	21.20	-0.10	21.10	<=30	Pass
			2	21.32	-0.10	21.22	<=30	Pass
			5	21.35	-0.10	21.25	<=30	Pass
		3	0	20.76	-0.10	20.66	<=30	Pass
			2	20.75	-0.10	20.65	<=30	Pass
			3	20.76	-0.10	20.66	<=30	Pass
		6	0	19.82	-0.10	19.72	<=30	Pass
	1754.3	1	0	20.65	-0.10	20.55	<=30	Pass
			2	20.65	-0.10	20.55	<=30	Pass
			5	20.65	-0.10	20.55	<=30	Pass
		3	0	20.66	-0.10	20.56	<=30	Pass
			2	20.66	-0.10	20.56	<=30	Pass
			3	20.66	-0.10	20.56	<=30	Pass
		6	0	20.66	-0.10	20.56	<=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	21.33	-0.10	21.23	<=30	Pass
			7	21.48	-0.10	21.38	<=30	Pass
			14	21.28	-0.10	21.18	<=30	Pass
		8	0	20.33	-0.10	20.23	<=30	Pass
			4	20.47	-0.10	20.37	<=30	Pass
			7	20.45	-0.10	20.35	<=30	Pass
		15	0	20.43	-0.10	20.33	<=30	Pass
	1732.5	1	0	21.44	-0.10	21.34	<=30	Pass
			7	21.45	-0.10	21.35	<=30	Pass
			14	21.50	-0.10	21.40	<=30	Pass
		8	0	20.50	-0.10	20.40	<=30	Pass
			4	20.58	-0.10	20.48	<=30	Pass
			7	20.57	-0.10	20.47	<=30	Pass
		15	0	20.52	-0.10	20.42	<=30	Pass
	1753.5	1	0	21.49	-0.10	21.39	<=30	Pass
			7	21.48	-0.10	21.38	<=30	Pass
			14	21.57	-0.10	21.47	<=30	Pass
		8	0	20.50	-0.10	20.40	<=30	Pass
			4	20.59	-0.10	20.49	<=30	Pass
			7	20.68	-0.10	20.58	<=30	Pass
		15	0	20.60	-0.10	20.50	<=30	Pass
16QAM	1711.5	1	0	21.09	-0.10	20.99	<=30	Pass
			7	21.06	-0.10	20.96	<=30	Pass
			14	21.04	-0.10	20.94	<=30	Pass
		8	0	19.61	-0.10	19.51	<=30	Pass
			4	19.67	-0.10	19.57	<=30	Pass
			7	19.58	-0.10	19.48	<=30	Pass
		15	0	19.44	-0.10	19.34	<=30	Pass
	1732.5	1	0	20.67	-0.10	20.57	<=30	Pass
			7	20.73	-0.10	20.63	<=30	Pass
			14	20.78	-0.10	20.68	<=30	Pass
		8	0	19.75	-0.10	19.65	<=30	Pass
			4	19.84	-0.10	19.74	<=30	Pass
			7	19.82	-0.10	19.72	<=30	Pass
		15	0	19.67	-0.10	19.57	<=30	Pass
	1753.5	1	0	21.69	-0.10	21.59	<=30	Pass
			7	21.73	-0.10	21.63	<=30	Pass
			14	21.79	-0.10	21.69	<=30	Pass
		8	0	19.72	-0.10	19.62	<=30	Pass
			4	19.66	-0.10	19.56	<=30	Pass
			7	19.65	-0.10	19.55	<=30	Pass
		15	0	19.67	-0.10	19.57	<=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	20.44	-0.10	20.34	<=30	Pass
			13	20.37	-0.10	20.27	<=30	Pass
			24	20.47	-0.10	20.37	<=30	Pass
		12	0	20.31	-0.10	20.21	<=30	Pass
			6	20.42	-0.10	20.32	<=30	Pass
			13	20.40	-0.10	20.30	<=30	Pass

		25	0	20.49	-0.10	20.39	<=30	Pass
	1732.5	1	0	20.47	-0.10	20.37	<=30	Pass
			13	20.52	-0.10	20.42	<=30	Pass
			24	20.51	-0.10	20.41	<=30	Pass
			0	20.50	-0.10	20.40	<=30	Pass
		12	6	20.49	-0.10	20.39	<=30	Pass
			13	20.49	-0.10	20.39	<=30	Pass
			25	0	20.49	-0.10	20.39	<=30
	1752.5	1	0	20.59	-0.10	20.49	<=30	Pass
			13	20.59	-0.10	20.49	<=30	Pass
			24	20.60	-0.10	20.50	<=30	Pass
		12	0	20.60	-0.10	20.50	<=30	Pass
			6	20.61	-0.10	20.51	<=30	Pass
			13	20.61	-0.10	20.51	<=30	Pass
		25	0	20.61	-0.10	20.51	<=30	Pass
16QAM	1712.5	1	0	20.49	-0.10	20.39	<=30	Pass
			13	20.48	-0.10	20.38	<=30	Pass
			24	20.47	-0.10	20.37	<=30	Pass
		12	0	20.47	-0.10	20.37	<=30	Pass
			6	20.54	-0.10	20.44	<=30	Pass
			13	20.48	-0.10	20.38	<=30	Pass
		25	0	20.43	-0.10	20.33	<=30	Pass
	1732.5	1	0	20.49	-0.10	20.39	<=30	Pass
			13	20.48	-0.10	20.38	<=30	Pass
			24	20.47	-0.10	20.37	<=30	Pass
		12	0	20.48	-0.10	20.38	<=30	Pass
			6	20.47	-0.10	20.37	<=30	Pass
			13	20.47	-0.10	20.37	<=30	Pass
		25	0	20.47	-0.10	20.37	<=30	Pass
	1752.5	1	0	20.59	-0.10	20.49	<=30	Pass
			13	20.57	-0.10	20.47	<=30	Pass
			24	20.53	-0.10	20.43	<=30	Pass
		12	0	20.53	-0.10	20.43	<=30	Pass
			6	20.51	-0.10	20.41	<=30	Pass
			13	20.52	-0.10	20.42	<=30	Pass
		25	0	20.51	-0.10	20.41	<=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	21.33	-0.10	21.23	<=30	Pass
			25	21.38	-0.10	21.28	<=30	Pass
			49	21.40	-0.10	21.30	<=30	Pass
		25	0	20.49	-0.10	20.39	<=30	Pass
			13	20.55	-0.10	20.45	<=30	Pass
			25	20.51	-0.10	20.41	<=30	Pass
		50	0	20.43	-0.10	20.33	<=30	Pass
	1732.5	1	0	21.37	-0.10	21.27	<=30	Pass
			25	21.48	-0.10	21.38	<=30	Pass
			49	21.41	-0.10	21.31	<=30	Pass
		25	0	20.37	-0.10	20.27	<=30	Pass
			13	20.45	-0.10	20.35	<=30	Pass
			25	20.35	-0.10	20.25	<=30	Pass
		50	0	20.49	-0.10	20.39	<=30	Pass

16QAM	1750	1	0	21.47	-0.10	21.37	<=30	Pass
			25	21.70	-0.10	21.60	<=30	Pass
			49	21.64	-0.10	21.54	<=30	Pass
		25	0	20.50	-0.10	20.40	<=30	Pass
			13	20.62	-0.10	20.52	<=30	Pass
			25	20.58	-0.10	20.48	<=30	Pass
		50	0	20.67	-0.10	20.57	<=30	Pass
	1715	1	0	21.03	-0.10	20.93	<=30	Pass
			25	21.02	-0.10	20.92	<=30	Pass
			49	21.13	-0.10	21.03	<=30	Pass
		12	0	20.43	-0.10	20.33	<=30	Pass
			19	20.45	-0.10	20.35	<=30	Pass
			38	20.49	-0.10	20.39	<=30	Pass
		27	0	19.52	-0.10	19.42	<=30	Pass
	1732.5	1	0	20.63	-0.10	20.53	<=30	Pass
			25	20.82	-0.10	20.72	<=30	Pass
			49	20.83	-0.10	20.73	<=30	Pass
		12	0	20.61	-0.10	20.51	<=30	Pass
			19	20.62	-0.10	20.52	<=30	Pass
			38	20.55	-0.10	20.45	<=30	Pass
		27	0	19.61	-0.10	19.51	<=30	Pass
	1750	1	0	21.52	-0.10	21.42	<=30	Pass
			25	21.66	-0.10	21.56	<=30	Pass
			49	21.67	-0.10	21.57	<=30	Pass
		12	0	20.53	-0.10	20.43	<=30	Pass
			19	20.66	-0.10	20.56	<=30	Pass
			38	20.65	-0.10	20.55	<=30	Pass
		27	23	19.56	-0.10	19.46	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	21.20	-0.10	21.10	<=30	Pass
			38	21.37	-0.10	21.27	<=30	Pass
			74	21.38	-0.10	21.28	<=30	Pass
		36	0	20.49	-0.10	20.39	<=30	Pass
			18	20.47	-0.10	20.37	<=30	Pass
			39	20.38	-0.10	20.28	<=30	Pass
		75	0	20.44	-0.10	20.34	<=30	Pass
	1732.5	1	0	21.61	-0.10	21.51	<=30	Pass
			38	21.67	-0.10	21.57	<=30	Pass
			74	21.61	-0.10	21.51	<=30	Pass
		36	0	20.51	-0.10	20.41	<=30	Pass
			18	20.59	-0.10	20.49	<=30	Pass
			39	20.67	-0.10	20.57	<=30	Pass
		75	0	20.51	-0.10	20.41	<=30	Pass
	1747.5	1	0	21.45	-0.10	21.35	<=30	Pass
			38	21.52	-0.10	21.42	<=30	Pass
			74	21.67	-0.10	21.57	<=30	Pass
		36	0	20.46	-0.10	20.36	<=30	Pass
			18	20.60	-0.10	20.50	<=30	Pass
			39	20.56	-0.10	20.46	<=30	Pass
		75	0	20.57	-0.10	20.47	<=30	Pass
16QAM	1717.5	1	0	21.04	-0.10	20.94	<=30	Pass

		12	38	21.18	-0.10	21.08	<=30	Pass
			74	21.09	-0.10	20.99	<=30	Pass
			0	20.47	-0.10	20.37	<=30	Pass
			31	20.60	-0.10	20.50	<=30	Pass
			63	20.47	-0.10	20.37	<=30	Pass
		27	0	19.40	-0.10	19.30	<=30	Pass
	1732.5	1	0	21.19	-0.10	21.09	<=30	Pass
			38	21.25	-0.10	21.15	<=30	Pass
			74	21.15	-0.10	21.05	<=30	Pass
		12	0	20.41	-0.10	20.31	<=30	Pass
			31	20.57	-0.10	20.47	<=30	Pass
			63	20.48	-0.10	20.38	<=30	Pass
		27	0	19.97	-0.10	19.87	<=30	Pass
	1747.5	1	0	21.26	-0.10	21.16	<=30	Pass
			38	21.26	-0.10	21.16	<=30	Pass
			74	21.41	-0.10	21.31	<=30	Pass
		12	0	20.58	-0.10	20.48	<=30	Pass
			31	20.61	-0.10	20.51	<=30	Pass
			63	20.69	-0.10	20.59	<=30	Pass
		27	48	19.61	-0.10	19.51	<=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	21.35	-0.10	21.25	<=30	Pass
			50	21.53	-0.10	21.43	<=30	Pass
			99	21.51	-0.10	21.41	<=30	Pass
		50	0	20.49	-0.10	20.39	<=30	Pass
			25	20.49	-0.10	20.39	<=30	Pass
			50	20.39	-0.10	20.29	<=30	Pass
		100	0	20.47	-0.10	20.37	<=30	Pass
	1732.5	1	0	21.60	-0.10	21.50	<=30	Pass
			50	21.68	-0.10	21.58	<=30	Pass
			99	21.58	-0.10	21.48	<=30	Pass
		50	0	20.46	-0.10	20.36	<=30	Pass
			25	20.55	-0.10	20.45	<=30	Pass
			50	20.64	-0.10	20.54	<=30	Pass
		100	0	20.55	-0.10	20.45	<=30	Pass
	1745	1	0	21.62	-0.10	21.52	<=30	Pass
			50	21.68	-0.10	21.58	<=30	Pass
			99	21.85	-0.10	21.75	<=30	Pass
		50	0	20.37	-0.10	20.27	<=30	Pass
			25	20.49	-0.10	20.39	<=30	Pass
			50	20.71	-0.10	20.61	<=30	Pass
		100	0	20.58	-0.10	20.48	<=30	Pass
16QAM	1720	1	0	21.61	-0.10	21.51	<=30	Pass
			50	21.76	-0.10	21.66	<=30	Pass
			99	21.84	-0.10	21.74	<=30	Pass
		12	0	20.24	-0.10	20.14	<=30	Pass
			44	20.35	-0.10	20.25	<=30	Pass
			88	20.38	-0.10	20.28	<=30	Pass
		27	0	19.43	-0.10	19.33	<=30	Pass
	1732.5	1	0	21.28	-0.10	21.18	<=30	Pass
			50	21.34	-0.10	21.24	<=30	Pass

			99	21.31	-0.10	21.21	<=30	Pass
		12	0	20.60	-0.10	20.50	<=30	Pass
			44	20.70	-0.10	20.60	<=30	Pass
			88	20.64	-0.10	20.54	<=30	Pass
		27	0	19.59	-0.10	19.49	<=30	Pass
	1745	1	0	20.42	-0.10	20.32	<=30	Pass
			50	20.62	-0.10	20.52	<=30	Pass
			99	20.60	-0.10	20.50	<=30	Pass
		12	0	20.69	-0.10	20.59	<=30	Pass
			44	20.67	-0.10	20.57	<=30	Pass
			88	20.69	-0.10	20.59	<=30	Pass
		27	73	19.59	-0.10	19.49	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

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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	-5.336	-0.0031	-2.5 to 2.5	Pass
					3.85	-5.479	-0.0032	-2.5 to 2.5	Pass
					4.43	0.844	0.0005	-2.5 to 2.5	Pass
				-30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-20	3.85	6.809	0.0040	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				10	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				30	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				40	3.85	3.891	0.0023	-2.5 to 2.5	Pass
				50	3.85	6.895	0.0040	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	7.625	0.0044	-2.5 to 2.5	Pass
					4.43	-8.454	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				0	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				10	3.85	3.362	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				40	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-2.103	-0.0012	-2.5 to 2.5	Pass
					3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
					4.43	2.689	0.0015	-2.5 to 2.5	Pass
				-30	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-4.463	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				30	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				40	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	1.931	0.0011	-2.5 to 2.5	Pass
					3.85	3.290	0.0019	-2.5 to 2.5	Pass
					4.43	2.561	0.0015	-2.5 to 2.5	Pass
				-30	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				10	3.85	2.689	0.0016	-2.5 to 2.5	Pass
				30	3.85	5.593	0.0033	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-3.834	-0.0022	-2.5 to 2.5	Pass
					3.85	-6.080	-0.0035	-2.5 to 2.5	Pass
					4.43	-7.982	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				10	3.85	3.333	0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-5.078	-0.0029	-2.5 to 2.5	Pass
					3.85	-11.544	-0.0066	-2.5 to 2.5	Pass
					4.43	-4.520	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.091	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-6.051	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-7.796	-0.0044	-2.5 to 2.5	Pass
				40	3.85	-11.330	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-7.010	-0.0040	-2.5 to 2.5	Pass

2.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	-6.022	-0.0035	-2.5 to 2.5	Pass
					3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
					4.43	-3.061	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				10	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				30	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.043	0.0000	-2.5 to 2.5	Pass
					3.85	5.207	0.0030	-2.5 to 2.5	Pass
					4.43	4.692	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-0.844	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				-10	3.85	5.164	0.0030	-2.5 to 2.5	Pass
				0	3.85	1.874	0.0011	-2.5 to 2.5	Pass

				10	3.85	4.106	0.0024	-2.5 to 2.5	Pass
				30	3.85	8.984	0.0052	-2.5 to 2.5	Pass
				40	3.85	9.441	0.0054	-2.5 to 2.5	Pass
				50	3.85	7.782	0.0045	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-6.151	-0.0035	-2.5 to 2.5	Pass
					3.85	-6.981	-0.0040	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-8.826	-0.0050	-2.5 to 2.5	Pass
				-20	3.85	-0.587	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	2.532	0.0014	-2.5 to 2.5	Pass
				0	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-0.887	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
					4.43	0.229	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.661	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-0.086	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				40	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				50	3.85	0.858	0.0005	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	3.963	0.0023	-2.5 to 2.5	Pass
					3.85	2.918	0.0017	-2.5 to 2.5	Pass
					4.43	6.437	0.0037	-2.5 to 2.5	Pass
				-30	3.85	6.881	0.0040	-2.5 to 2.5	Pass
				-20	3.85	5.393	0.0031	-2.5 to 2.5	Pass
				-10	3.85	7.353	0.0042	-2.5 to 2.5	Pass
				0	3.85	7.610	0.0044	-2.5 to 2.5	Pass
				10	3.85	6.509	0.0038	-2.5 to 2.5	Pass
				30	3.85	4.578	0.0026	-2.5 to 2.5	Pass
				40	3.85	3.247	0.0019	-2.5 to 2.5	Pass
				50	3.85	6.037	0.0035	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-8.826	-0.0050	-2.5 to 2.5	Pass
					3.85	-8.140	-0.0046	-2.5 to 2.5	Pass
					4.43	3.934	0.0022	-2.5 to 2.5	Pass
				-30	3.85	3.147	0.0018	-2.5 to 2.5	Pass
				-20	3.85	7.997	0.0046	-2.5 to 2.5	Pass
				-10	3.85	3.662	0.0021	-2.5 to 2.5	Pass
				0	3.85	-13.504	-0.0077	-2.5 to 2.5	Pass
				10	3.85	-16.708	-0.0095	-2.5 to 2.5	Pass
				30	3.85	-6.623	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-17.352	-0.0099	-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	-7.524	-0.0044	-2.5 to 2.5	Pass
					3.85	-15.664	-0.0091	-2.5 to 2.5	Pass
					4.43	-8.826	-0.0052	-2.5 to 2.5	Pass

				-30	3.85	-14.749	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-0.944	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-10.314	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-12.546	-0.0073	-2.5 to 2.5	Pass
				10	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				30	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-7.524	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.503	-0.0014	-2.5 to 2.5	Pass
					3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
					4.43	-8.411	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-11.930	-0.0069	-2.5 to 2.5	Pass
				-20	3.85	5.536	0.0032	-2.5 to 2.5	Pass
				-10	3.85	5.035	0.0029	-2.5 to 2.5	Pass
				0	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				10	3.85	4.849	0.0028	-2.5 to 2.5	Pass
				30	3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
				40	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	6.938	0.0040	-2.5 to 2.5	Pass
					3.85	2.589	0.0015	-2.5 to 2.5	Pass
					4.43	10.157	0.0058	-2.5 to 2.5	Pass
				-30	3.85	10.157	0.0058	-2.5 to 2.5	Pass
				-20	3.85	6.022	0.0034	-2.5 to 2.5	Pass
				-10	3.85	10.443	0.0060	-2.5 to 2.5	Pass
				0	3.85	7.324	0.0042	-2.5 to 2.5	Pass
				10	3.85	10.872	0.0062	-2.5 to 2.5	Pass
				30	3.85	9.441	0.0054	-2.5 to 2.5	Pass
				40	3.85	9.584	0.0055	-2.5 to 2.5	Pass
				50	3.85	12.288	0.0070	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-5.794	-0.0034	-2.5 to 2.5	Pass
					3.85	-8.168	-0.0048	-2.5 to 2.5	Pass
					4.43	8.297	0.0048	-2.5 to 2.5	Pass
				-30	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				-20	3.85	3.734	0.0022	-2.5 to 2.5	Pass
				-10	3.85	3.433	0.0020	-2.5 to 2.5	Pass
				0	3.85	-0.544	-0.0003	-2.5 to 2.5	Pass
				10	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.458	0.0003	-2.5 to 2.5	Pass
				50	3.85	3.991	0.0023	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-4.907	-0.0028	-2.5 to 2.5	Pass
					3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.362	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	1.845	0.0011	-2.5 to 2.5	Pass
				-20	3.85	2.646	0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.017	0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-5.450	-0.0031	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	8.883	0.0051	-2.5 to 2.5	Pass
					3.85	9.027	0.0052	-2.5 to 2.5	Pass
					4.43	-7.567	-0.0043	-2.5 to 2.5	Pass
				-30	3.85	-10.757	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-7.911	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				0	3.85	-10.300	-0.0059	-2.5 to 2.5	Pass

				10	3.85	-7.825	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-6.208	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-2.503	-0.0014	-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	-5.579	-0.0033	-2.5 to 2.5	Pass
					3.85	-13.132	-0.0077	-2.5 to 2.5	Pass
					4.43	-0.229	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.459	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-10.815	-0.0063	-2.5 to 2.5	Pass
				30	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				40	3.85	1.273	0.0007	-2.5 to 2.5	Pass
				50	3.85	9.770	0.0057	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.415	-0.0002	-2.5 to 2.5	Pass
					3.85	-9.084	-0.0052	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-9.828	-0.0057	-2.5 to 2.5	Pass
				0	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
				10	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				30	3.85	4.320	0.0025	-2.5 to 2.5	Pass
				40	3.85	4.907	0.0028	-2.5 to 2.5	Pass
				50	3.85	3.419	0.0020	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-1.602	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.332	-0.0013	-2.5 to 2.5	Pass
					4.43	-0.572	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-3.734	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-5.035	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.27	6.838	0.0040	-2.5 to 2.5	Pass
					3.85	3.233	0.0019	-2.5 to 2.5	Pass
					4.43	6.151	0.0036	-2.5 to 2.5	Pass
				-30	3.85	6.437	0.0038	-2.5 to 2.5	Pass
				-20	3.85	5.708	0.0033	-2.5 to 2.5	Pass
				-10	3.85	4.005	0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.046	-0.0012	-2.5 to 2.5	Pass
				10	3.85	2.704	0.0016	-2.5 to 2.5	Pass
				30	3.85	5.579	0.0033	-2.5 to 2.5	Pass
				40	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				50	3.85	3.362	0.0020	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	8.769	0.0051	-2.5 to 2.5	Pass
					3.85	9.413	0.0054	-2.5 to 2.5	Pass
					4.43	8.054	0.0046	-2.5 to 2.5	Pass

				-30	3.85	8.998	0.0052	-2.5 to 2.5	Pass
				-20	3.85	8.354	0.0048	-2.5 to 2.5	Pass
				-10	3.85	7.939	0.0046	-2.5 to 2.5	Pass
				0	3.85	6.924	0.0040	-2.5 to 2.5	Pass
				10	3.85	5.236	0.0030	-2.5 to 2.5	Pass
				30	3.85	6.638	0.0038	-2.5 to 2.5	Pass
				40	3.85	5.579	0.0032	-2.5 to 2.5	Pass
				50	3.85	4.921	0.0028	-2.5 to 2.5	Pass
	1750	27	23	20	3.27	-0.744	-0.0004	-2.5 to 2.5	Pass
					3.85	-4.592	-0.0026	-2.5 to 2.5	Pass
					4.43	-3.090	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.772	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				40	3.85	3.204	0.0018	-2.5 to 2.5	Pass
				50	3.85	2.990	0.0017	-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	2.389	0.0014	-2.5 to 2.5	Pass
					3.85	1.445	0.0008	-2.5 to 2.5	Pass
					4.43	-0.672	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.415	0.0002	-2.5 to 2.5	Pass
				-20	3.85	0.873	0.0005	-2.5 to 2.5	Pass
				-10	3.85	4.091	0.0024	-2.5 to 2.5	Pass
				0	3.85	6.266	0.0036	-2.5 to 2.5	Pass
				10	3.85	5.836	0.0034	-2.5 to 2.5	Pass
				30	3.85	9.670	0.0056	-2.5 to 2.5	Pass
				40	3.85	6.266	0.0036	-2.5 to 2.5	Pass
				50	3.85	0.887	0.0005	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-4.649	-0.0027	-2.5 to 2.5	Pass
					3.85	5.121	0.0030	-2.5 to 2.5	Pass
					4.43	6.981	0.0040	-2.5 to 2.5	Pass
				-30	3.85	6.909	0.0040	-2.5 to 2.5	Pass
				-20	3.85	6.080	0.0035	-2.5 to 2.5	Pass
				-10	3.85	7.854	0.0045	-2.5 to 2.5	Pass
				0	3.85	5.708	0.0033	-2.5 to 2.5	Pass
				10	3.85	7.124	0.0041	-2.5 to 2.5	Pass
				30	3.85	4.163	0.0024	-2.5 to 2.5	Pass
				40	3.85	1.588	0.0009	-2.5 to 2.5	Pass
				50	3.85	2.346	0.0014	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-1.473	-0.0008	-2.5 to 2.5	Pass
					3.85	0.830	0.0005	-2.5 to 2.5	Pass
					4.43	2.475	0.0014	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				30	3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-2.060	-0.0012	-2.5 to 2.5	Pass

16QAM	1717.5	27	0	50	3.85	-3.748	-0.0021	-2.5 to 2.5	Pass
				20	3.27	1.688	0.0010	-2.5 to 2.5	Pass
					3.85	3.390	0.0020	-2.5 to 2.5	Pass
					4.43	6.552	0.0038	-2.5 to 2.5	Pass
				-30	3.85	4.020	0.0023	-2.5 to 2.5	Pass
				-20	3.85	5.093	0.0030	-2.5 to 2.5	Pass
				-10	3.85	4.978	0.0029	-2.5 to 2.5	Pass
				0	3.85	7.439	0.0043	-2.5 to 2.5	Pass
				10	3.85	5.436	0.0032	-2.5 to 2.5	Pass
				30	3.85	6.738	0.0039	-2.5 to 2.5	Pass
	1732.5	27	0	40	3.85	6.695	0.0039	-2.5 to 2.5	Pass
				50	3.85	6.795	0.0040	-2.5 to 2.5	Pass
				20	3.27	4.106	0.0024	-2.5 to 2.5	Pass
					3.85	0.386	0.0002	-2.5 to 2.5	Pass
					4.43	-0.572	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	2.675	0.0015	-2.5 to 2.5	Pass
				-10	3.85	1.159	0.0007	-2.5 to 2.5	Pass
				0	3.85	3.004	0.0017	-2.5 to 2.5	Pass
				10	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
	1747.5	27	48	30	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass
				40	3.85	0.386	0.0002	-2.5 to 2.5	Pass
				50	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				20	3.27	-1.931	-0.0011	-2.5 to 2.5	Pass
					3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
					4.43	-5.307	-0.0030	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-7.839	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-4.449	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.831	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				50	3.85	1.259	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	3.27	-8.054	-0.0047	-2.5 to 2.5	Pass
					3.85	-1.416	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.419	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-6.995	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				0	3.85	6.108	0.0036	-2.5 to 2.5	Pass
				10	3.85	9.341	0.0054	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				40	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				50	3.85	4.907	0.0029	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-5.236	-0.0030	-2.5 to 2.5	Pass
					3.85	-3.905	-0.0023	-2.5 to 2.5	Pass
					4.43	-13.218	-0.0076	-2.5 to 2.5	Pass
				-30	3.85	4.735	0.0027	-2.5 to 2.5	Pass
				-20	3.85	4.077	0.0024	-2.5 to 2.5	Pass
				-10	3.85	7.882	0.0045	-2.5 to 2.5	Pass

				0	3.85	10.643	0.0061	-2.5 to 2.5	Pass
				10	3.85	5.522	0.0032	-2.5 to 2.5	Pass
				30	3.85	7.381	0.0043	-2.5 to 2.5	Pass
				40	3.85	6.480	0.0037	-2.5 to 2.5	Pass
				50	3.85	8.426	0.0049	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.450	-0.0031	-2.5 to 2.5	Pass
					3.85	-5.622	-0.0032	-2.5 to 2.5	Pass
					4.43	-3.304	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-3.190	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-4.091	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-5.493	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-7.925	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	2.904	0.0017	-2.5 to 2.5	Pass
					3.85	2.675	0.0016	-2.5 to 2.5	Pass
					4.43	5.579	0.0032	-2.5 to 2.5	Pass
				-30	3.85	3.390	0.0020	-2.5 to 2.5	Pass
				-20	3.85	6.909	0.0040	-2.5 to 2.5	Pass
				-10	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				0	3.85	2.003	0.0012	-2.5 to 2.5	Pass
				10	3.85	7.854	0.0046	-2.5 to 2.5	Pass
				30	3.85	4.563	0.0027	-2.5 to 2.5	Pass
				40	3.85	4.892	0.0028	-2.5 to 2.5	Pass
				50	3.85	5.150	0.0030	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	5.894	0.0034	-2.5 to 2.5	Pass
					3.85	2.990	0.0017	-2.5 to 2.5	Pass
					4.43	10.915	0.0063	-2.5 to 2.5	Pass
				-30	3.85	4.663	0.0027	-2.5 to 2.5	Pass
				-20	3.85	9.484	0.0055	-2.5 to 2.5	Pass
				-10	3.85	6.795	0.0039	-2.5 to 2.5	Pass
				0	3.85	9.656	0.0056	-2.5 to 2.5	Pass
				10	3.85	8.197	0.0047	-2.5 to 2.5	Pass
				30	3.85	8.082	0.0047	-2.5 to 2.5	Pass
				40	3.85	10.357	0.0060	-2.5 to 2.5	Pass
				50	3.85	9.227	0.0053	-2.5 to 2.5	Pass
	1745	27	73	20	3.27	-2.460	-0.0014	-2.5 to 2.5	Pass
					3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.992	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-3.905	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				0	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				50	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

3.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

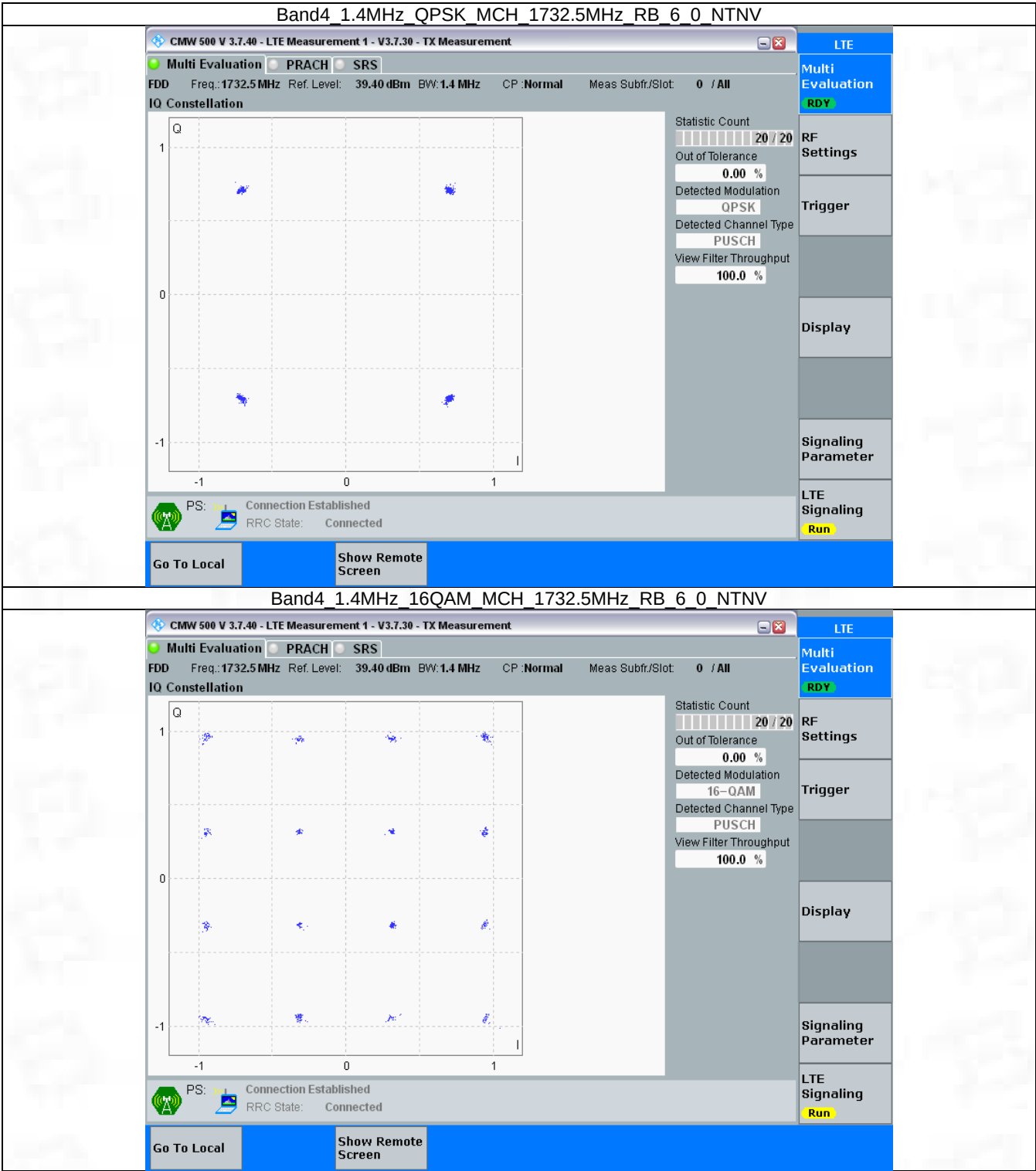
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

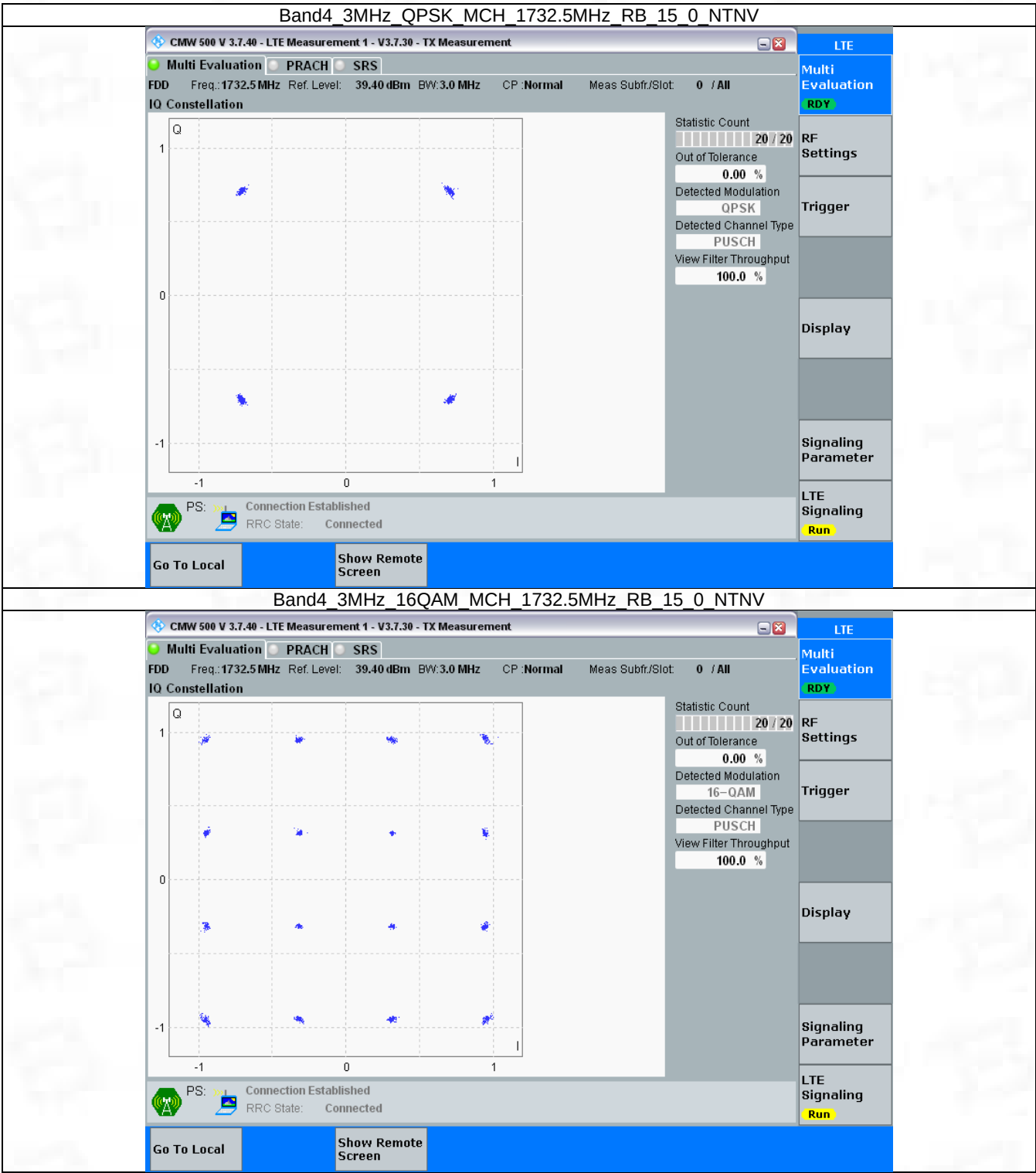
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

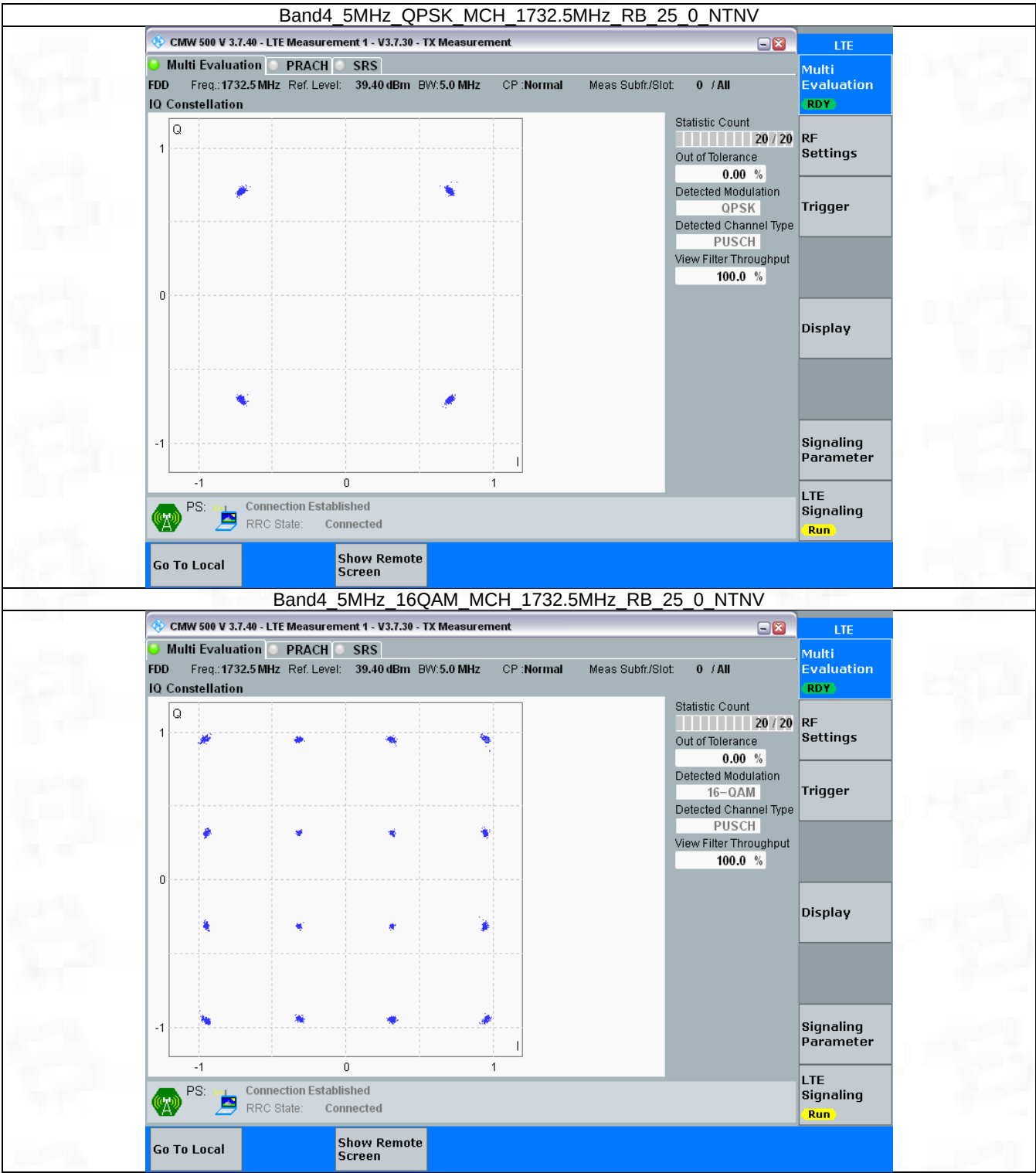
3.2.1 B4_1.4MHz



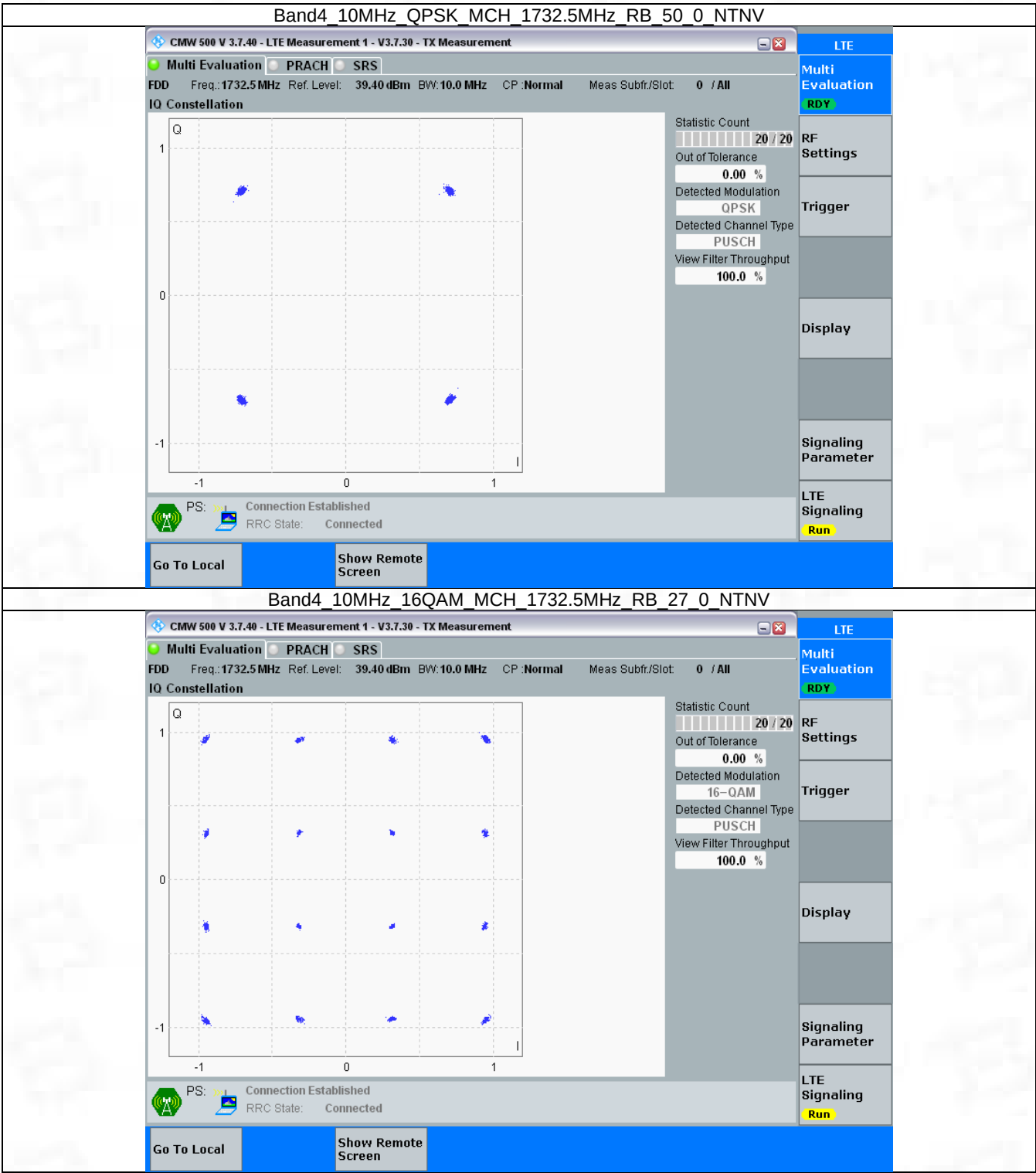
3.2.2 B4_3MHz



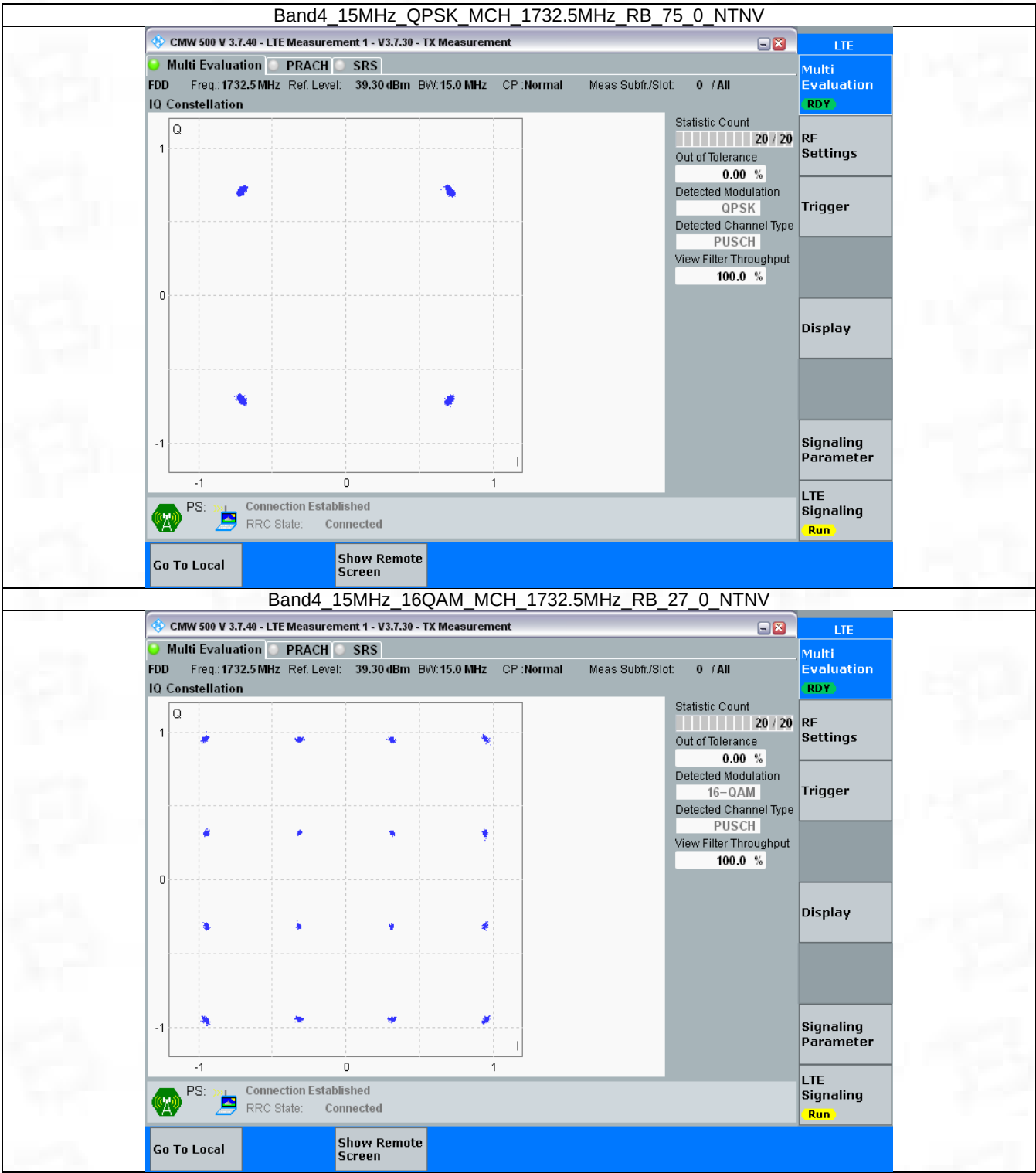
3.2.3 B4_5MHz



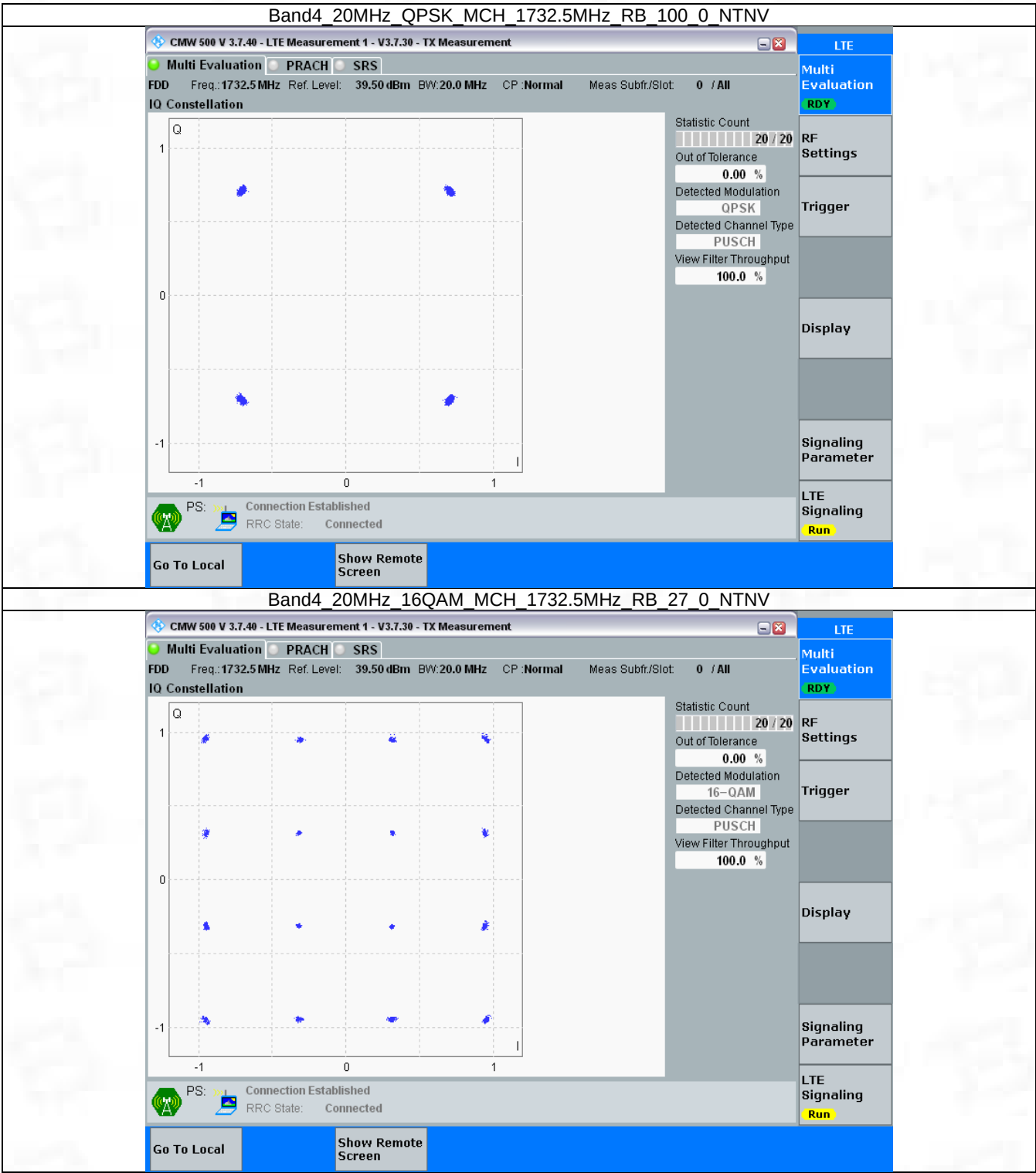
3.2.4 B4_10MHz



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	1.105	/	Pass
		1732.5	6	0	1.108	/	Pass
		1754.3	6	0	1.114	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1732.5	6	0	1.104	/	Pass
		1754.3	6	0	1.120	/	Pass
3	QPSK	1711.5	15	0	2.755	/	Pass
		1732.5	15	0	2.744	/	Pass
		1753.5	15	0	2.747	/	Pass
	16QAM	1711.5	15	0	2.740	/	Pass
		1732.5	15	0	2.757	/	Pass
		1753.5	15	0	2.768	/	Pass
5	QPSK	1712.5	25	0	4.561	/	Pass
		1732.5	25	0	4.556	/	Pass
		1752.5	25	0	4.553	/	Pass
	16QAM	1712.5	25	0	4.535	/	Pass
		1732.5	25	0	4.569	/	Pass
		1752.5	25	0	4.554	/	Pass
10	QPSK	1715	50	0	9.091	/	Pass
		1732.5	50	0	9.064	/	Pass
		1750	50	0	9.063	/	Pass
	16QAM	1715	27	0	5.134	/	Pass
		1732.5	27	0	5.058	/	Pass
		1750	27	23	5.120	/	Pass
15	QPSK	1717.5	75	0	13.567	/	Pass
		1732.5	75	0	13.628	/	Pass
		1747.5	75	0	13.575	/	Pass
	16QAM	1717.5	27	0	5.046	/	Pass
		1732.5	27	0	5.084	/	Pass
		1747.5	27	48	5.094	/	Pass
20	QPSK	1720	100	0	18.110	/	Pass
		1732.5	100	0	18.216	/	Pass
		1745	100	0	18.129	/	Pass
	16QAM	1720	27	0	5.483	/	Pass
		1732.5	27	0	5.633	/	Pass
		1745	27	73	5.512	/	Pass

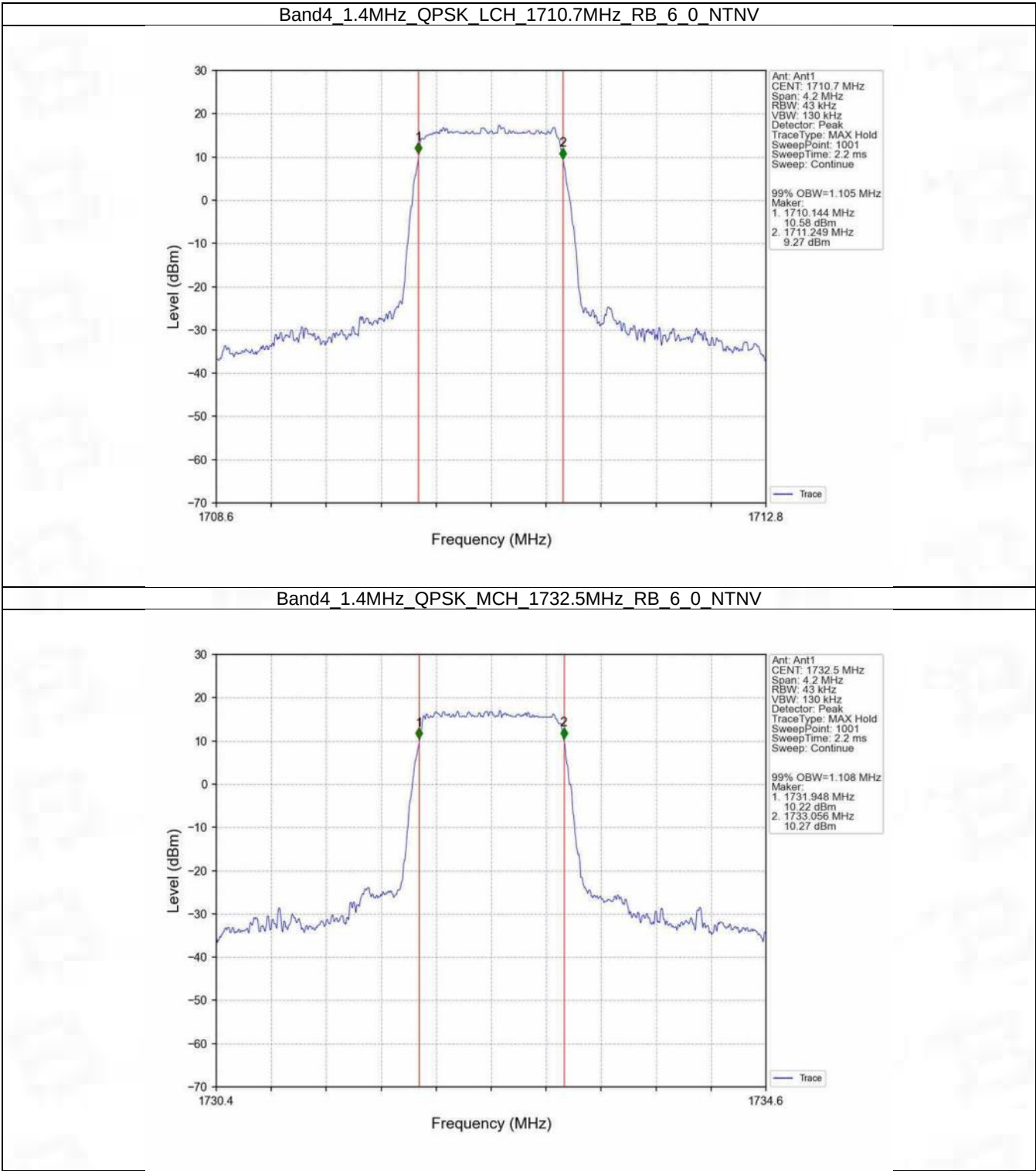
4.1.2 Band4_XDB

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	1.272	/	Pass
		1732.5	6	0	1.270	/	Pass
		1754.3	6	0	1.277	/	Pass

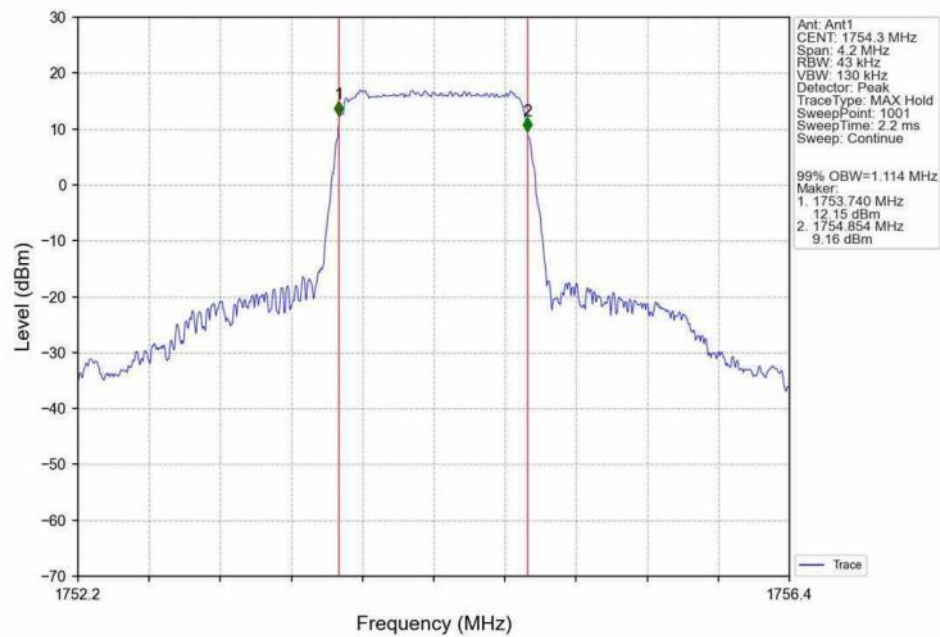
	16QAM	1710.7	6	0	1.278	/	Pass
		1732.5	6	0	1.268	/	Pass
		1754.3	6	0	1.268	/	Pass
3	QPSK	1711.5	15	0	3.079	/	Pass
		1732.5	15	0	3.068	/	Pass
		1753.5	15	0	3.098	/	Pass
	16QAM	1711.5	15	0	3.080	/	Pass
		1732.5	15	0	3.074	/	Pass
		1753.5	15	0	3.113	/	Pass
5	QPSK	1712.5	25	0	5.037	/	Pass
		1732.5	25	0	5.084	/	Pass
		1752.5	25	0	5.083	/	Pass
	16QAM	1712.5	25	0	5.028	/	Pass
		1732.5	25	0	5.074	/	Pass
		1752.5	25	0	5.069	/	Pass
10	QPSK	1715	50	0	10.026	/	Pass
		1732.5	50	0	10.081	/	Pass
		1750	50	0	10.134	/	Pass
	16QAM	1715	27	0	6.067	/	Pass
		1732.5	27	0	6.025	/	Pass
		1750	27	23	6.157	/	Pass
15	QPSK	1717.5	75	0	15.134	/	Pass
		1732.5	75	0	15.193	/	Pass
		1747.5	75	0	15.095	/	Pass
	16QAM	1717.5	27	0	7.429	/	Pass
		1732.5	27	0	6.885	/	Pass
		1747.5	27	48	7.507	/	Pass
20	QPSK	1720	100	0	20.031	/	Pass
		1732.5	100	0	19.930	/	Pass
		1745	100	0	19.981	/	Pass
	16QAM	1720	27	0	7.034	/	Pass
		1732.5	27	0	7.393	/	Pass
		1745	27	73	7.926	/	Pass

4.2 Test Graph

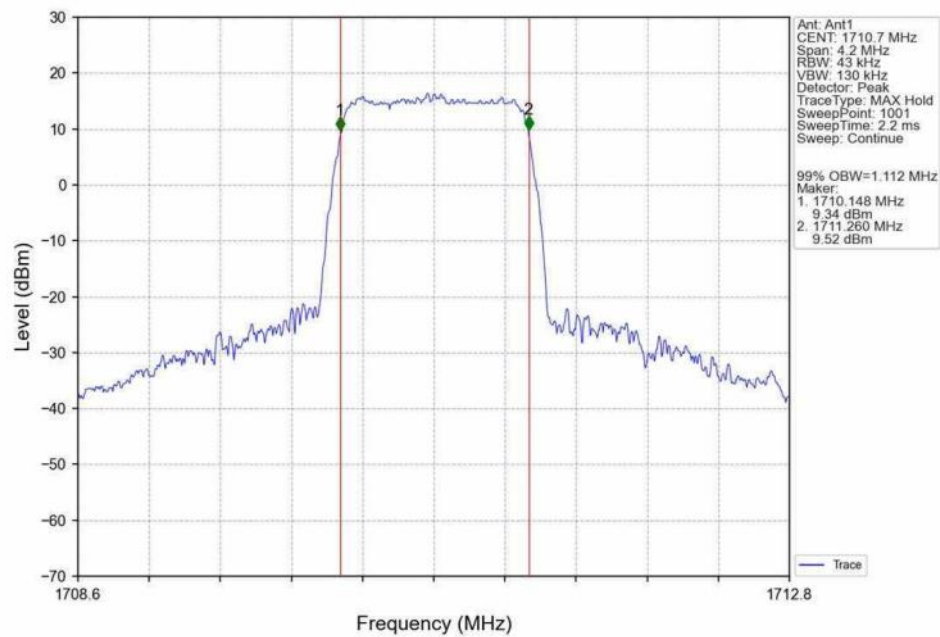
4.2.1 Band4_OBW

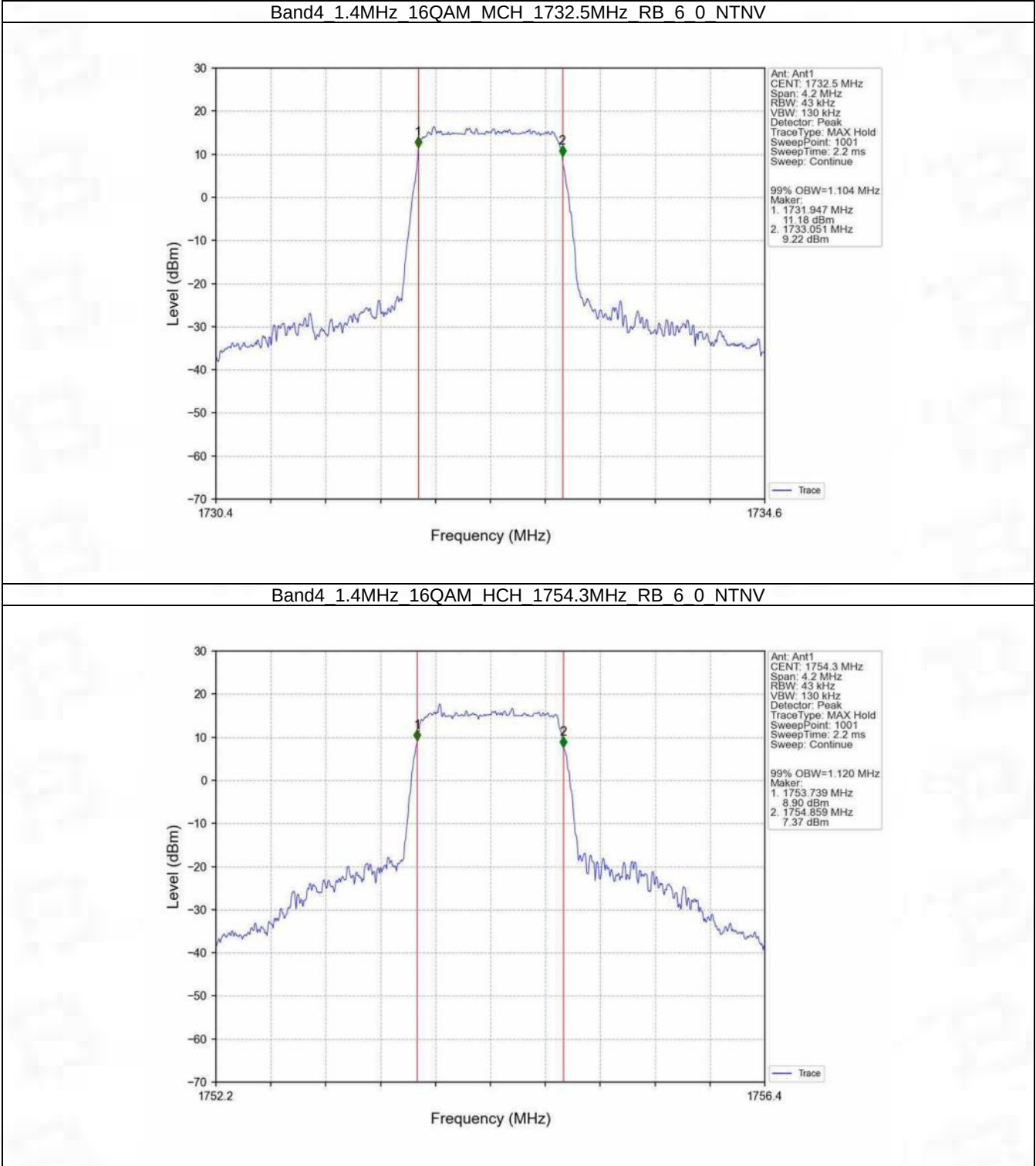


Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV

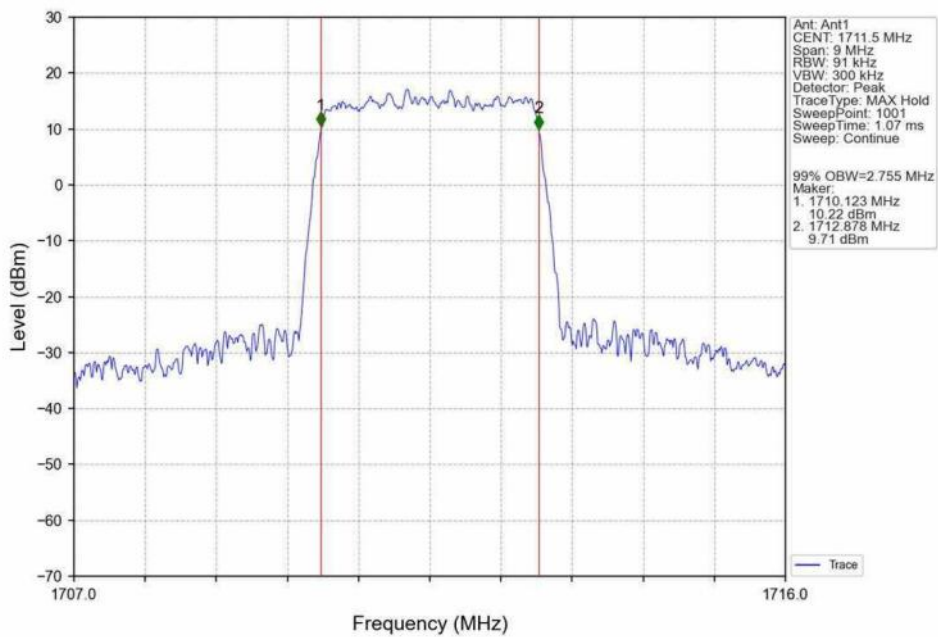


Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV

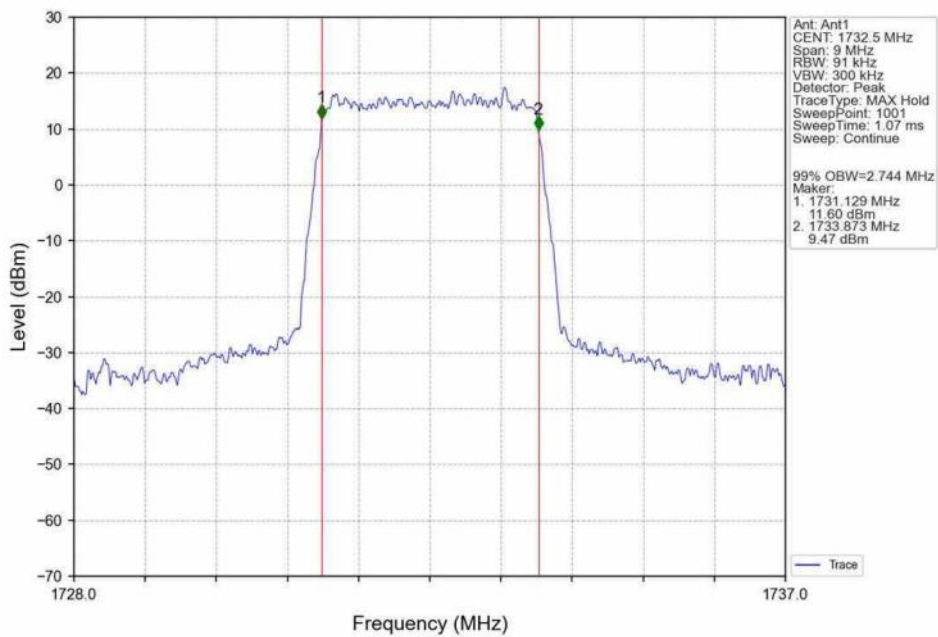




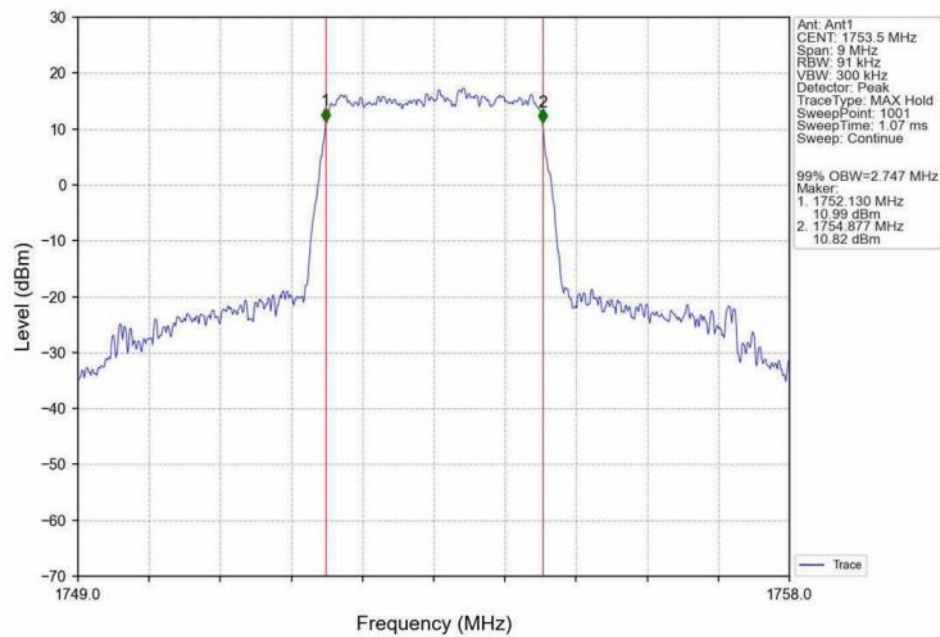
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



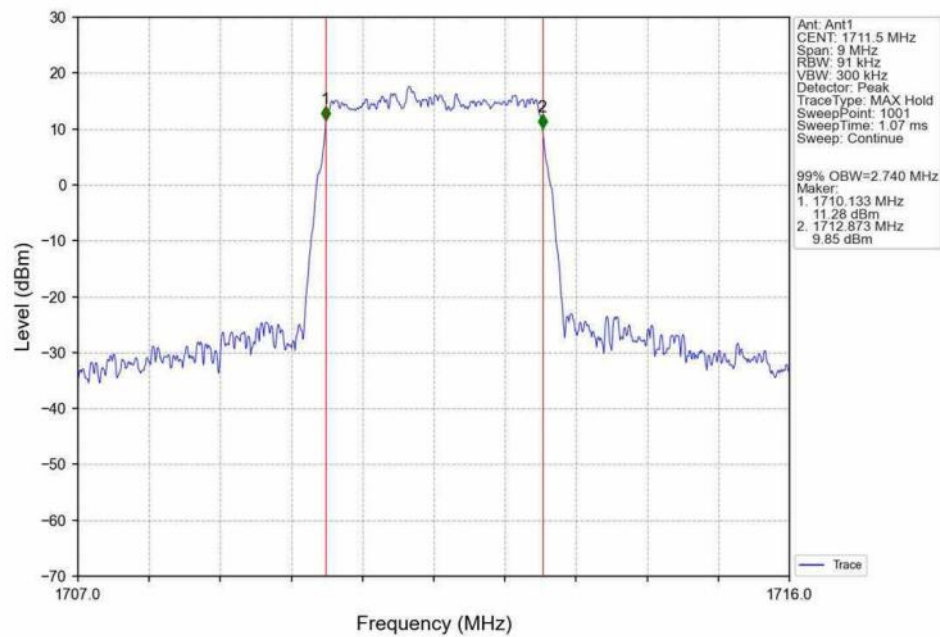
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



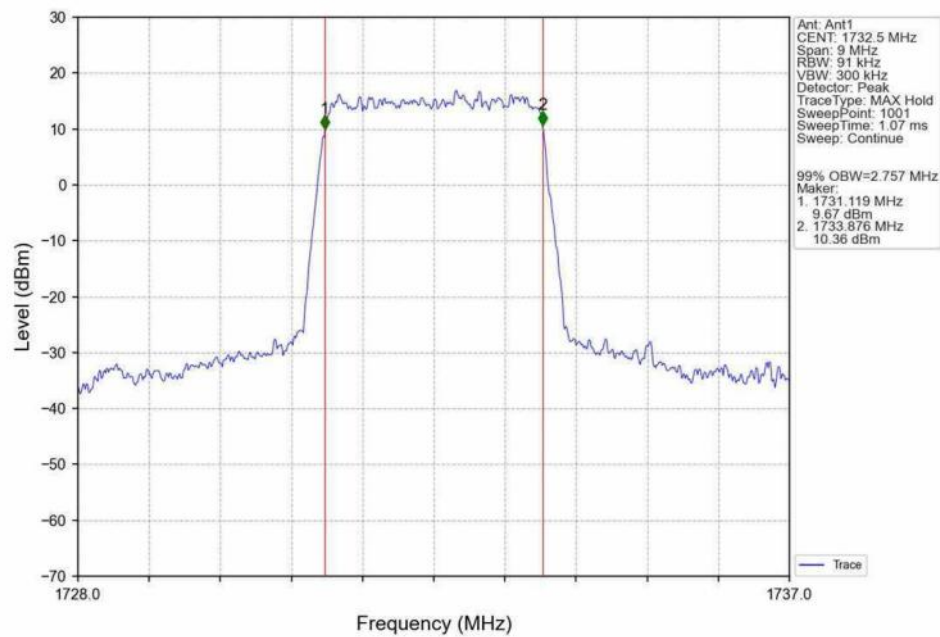
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



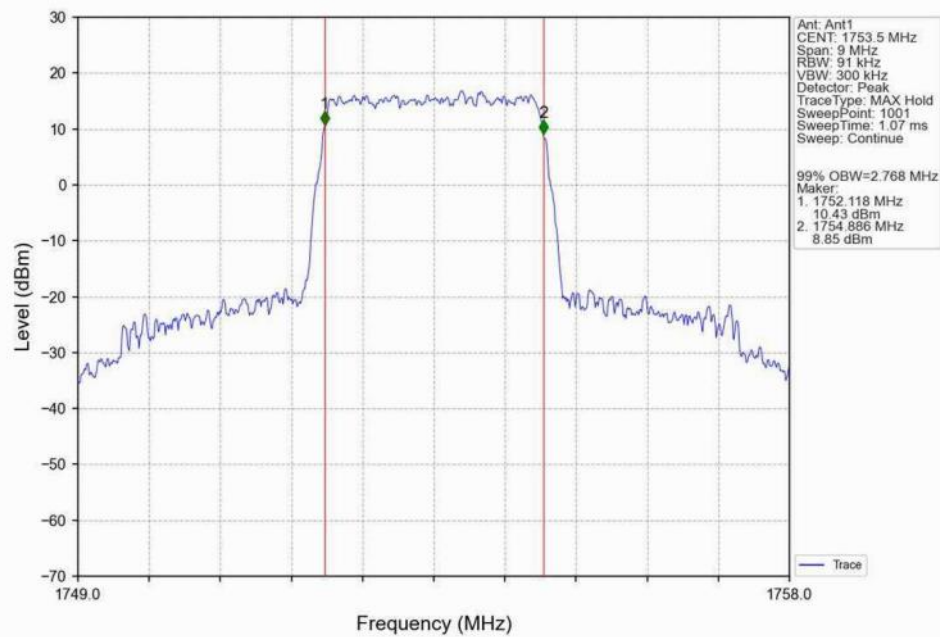
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV



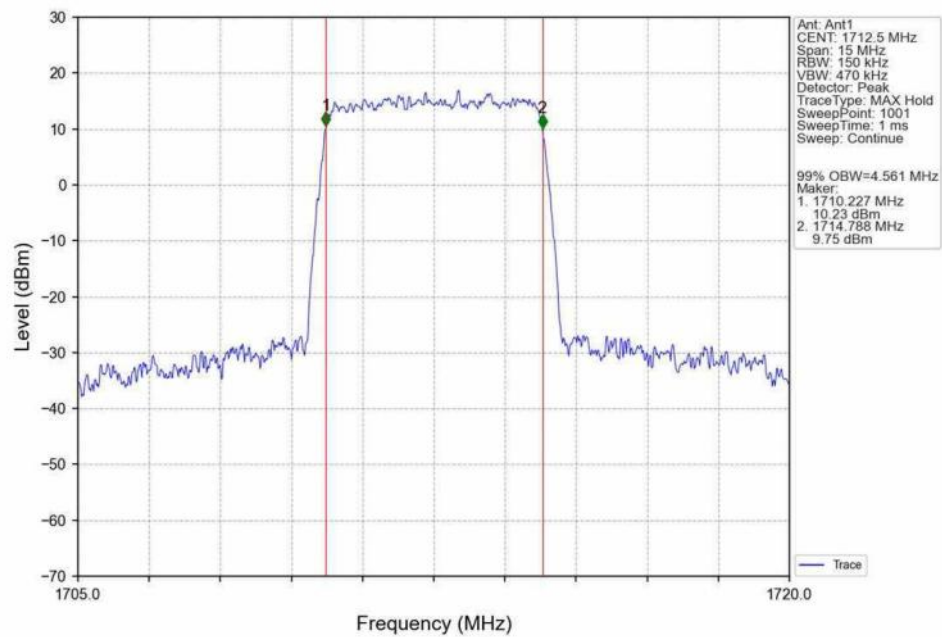
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTV



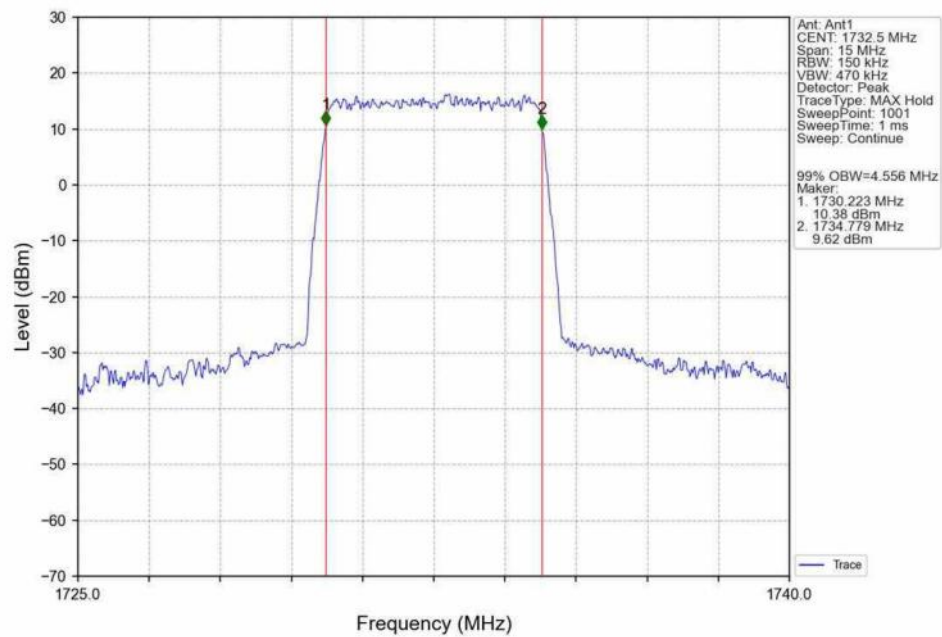
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTV



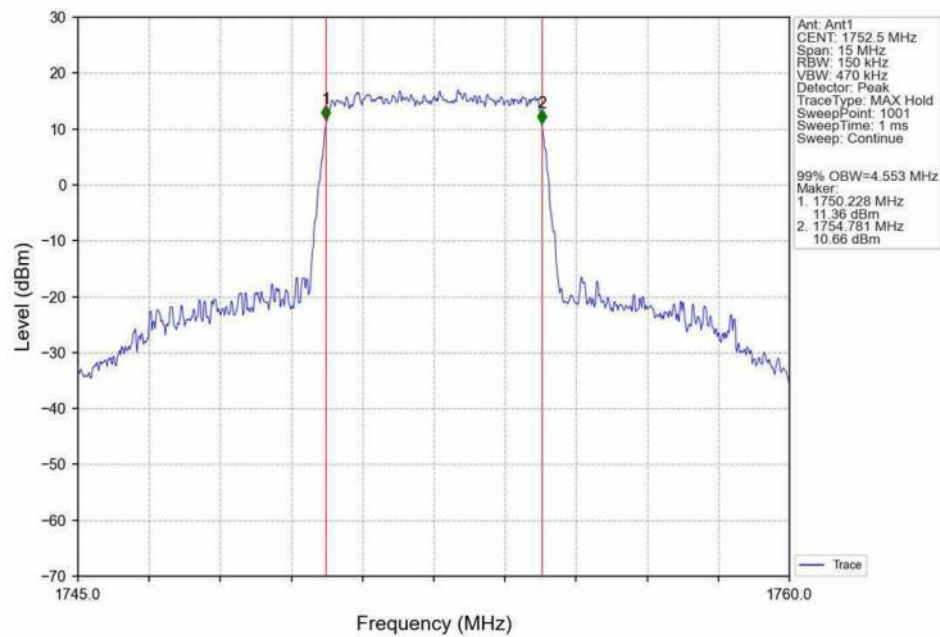
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



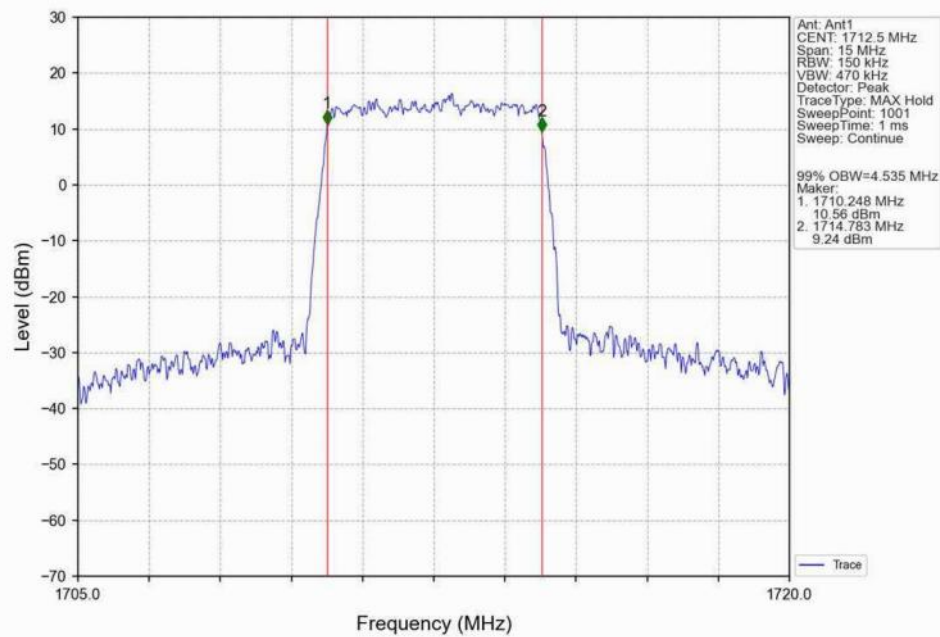
Band4 5MHz QPSK MCH 1732.5MHz RB 25 0 NTNV



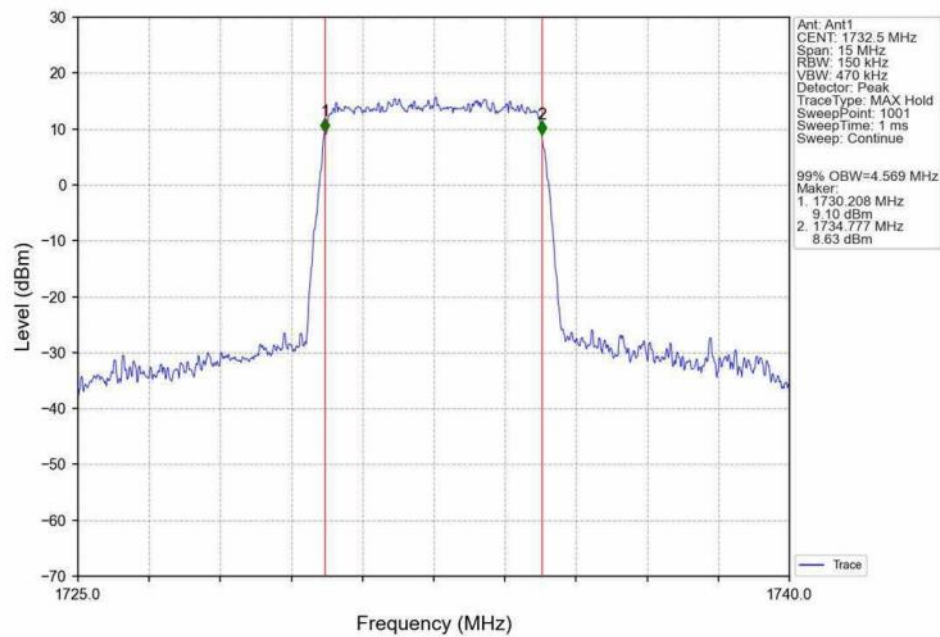
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTN



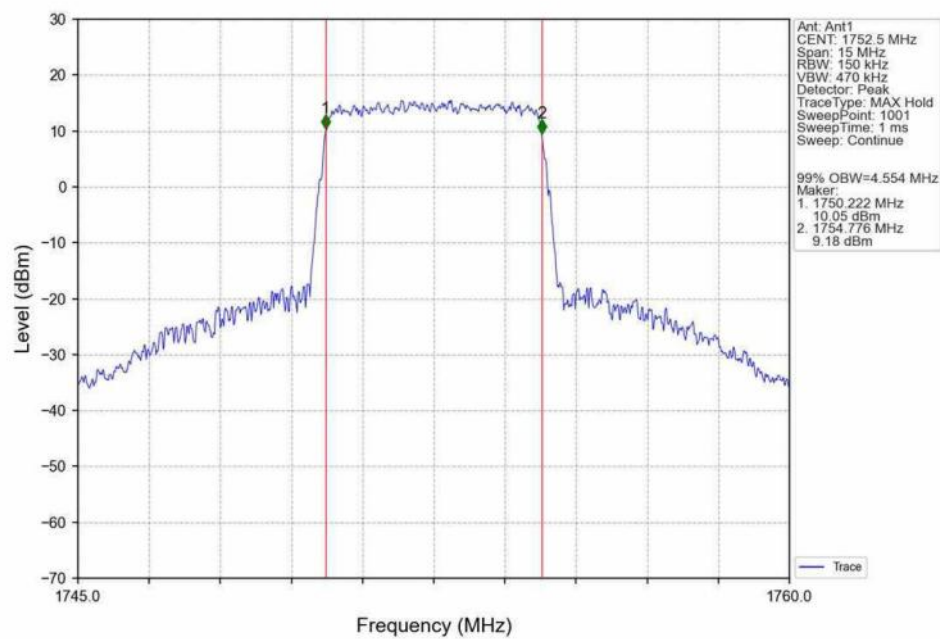
Band4 5MHz 16QAM LCH 1712.5MHz RB 25 0 NTN



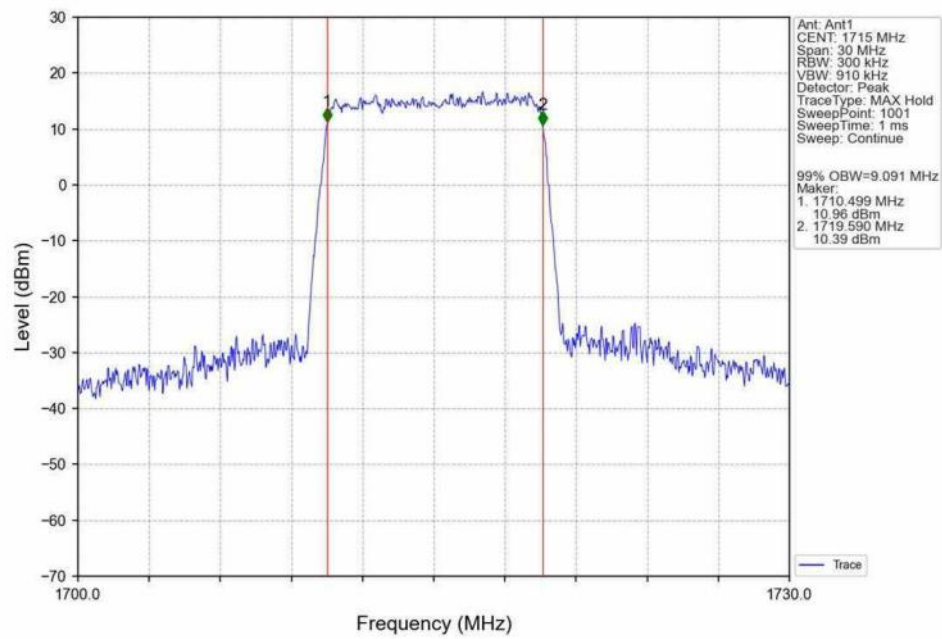
Band4 5MHz 16QAM MCH 1732.5MHz RB 25 0 NTV



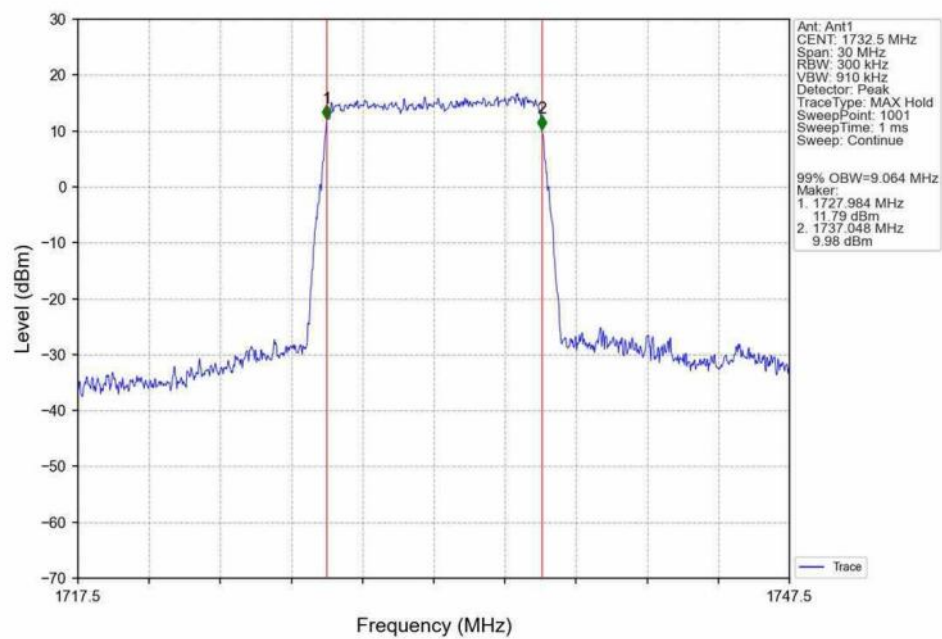
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTV



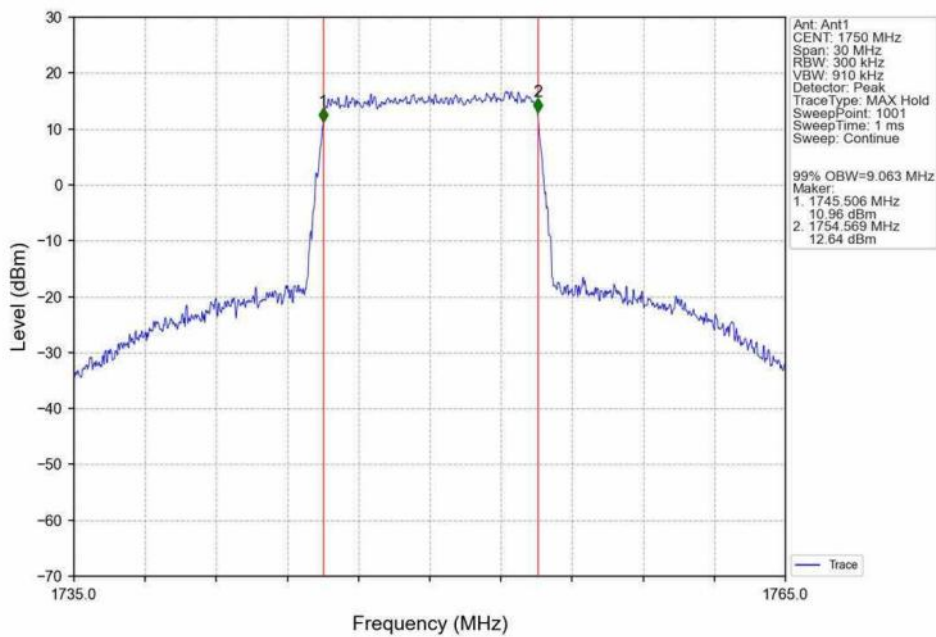
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



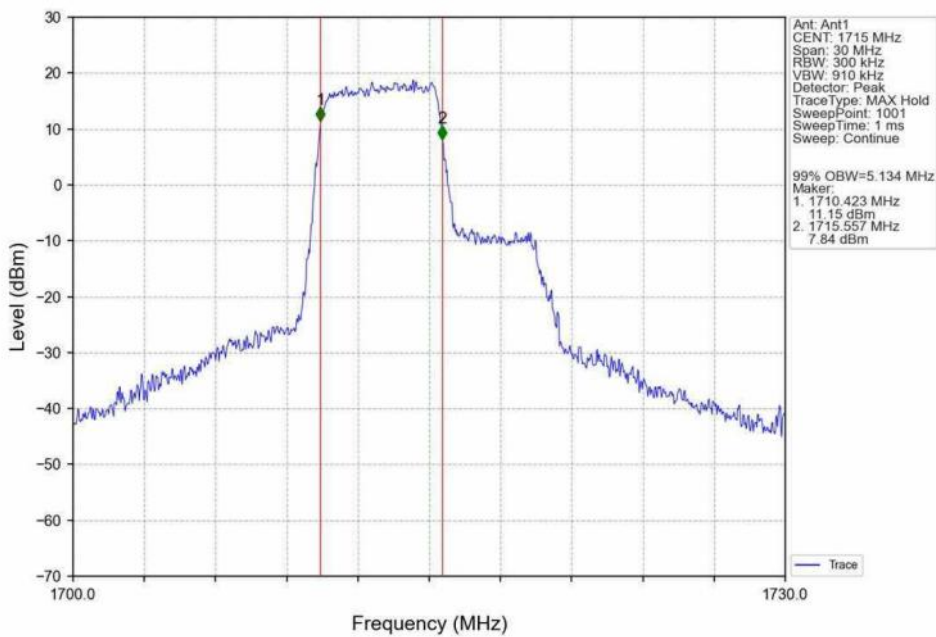
Band4 10MHz QPSK MCH 1732.5MHz RB 50 0 NTNV



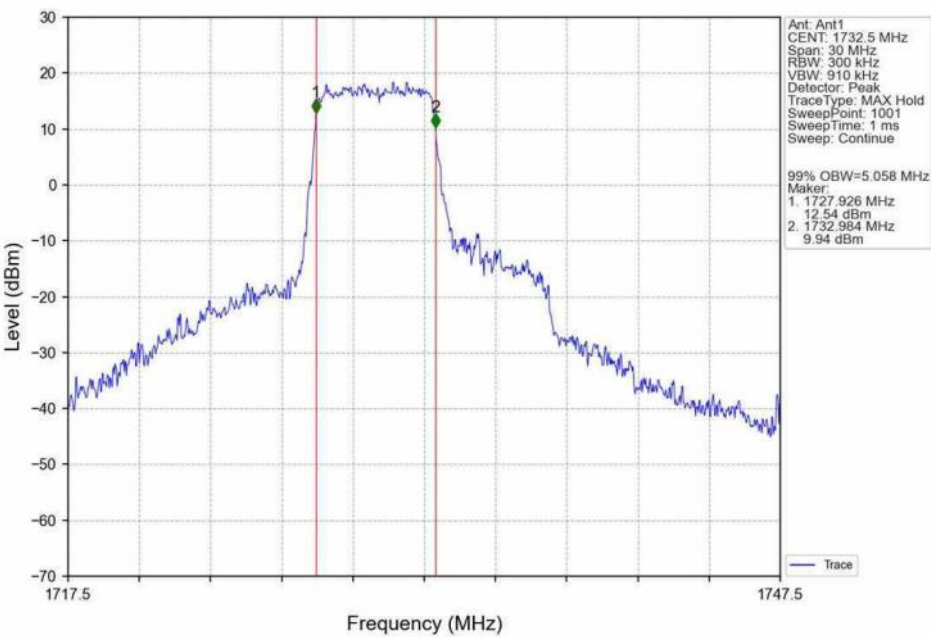
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTN



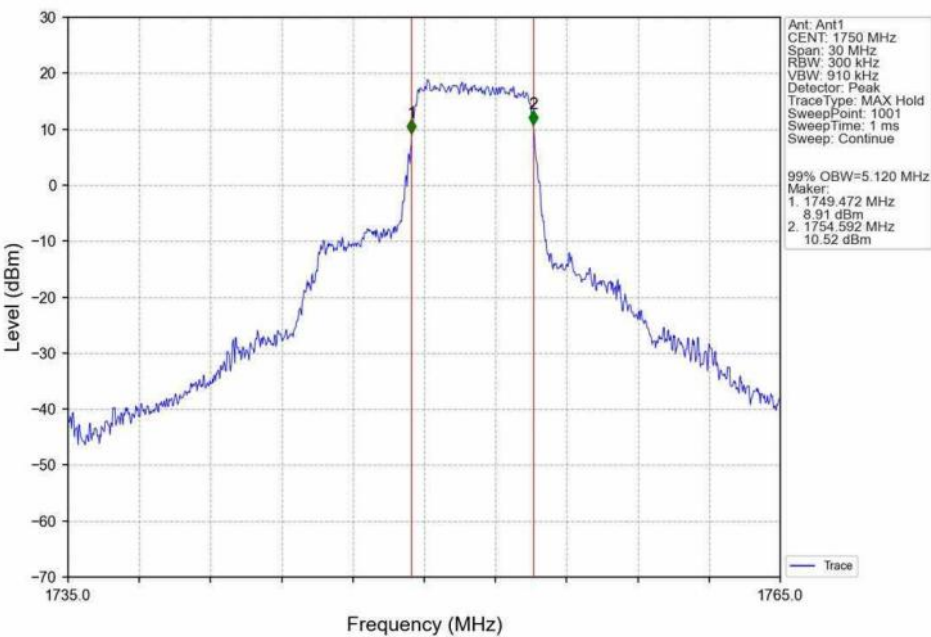
Band4 10MHz 16QAM LCH 1715MHz RB 27 0 NTN



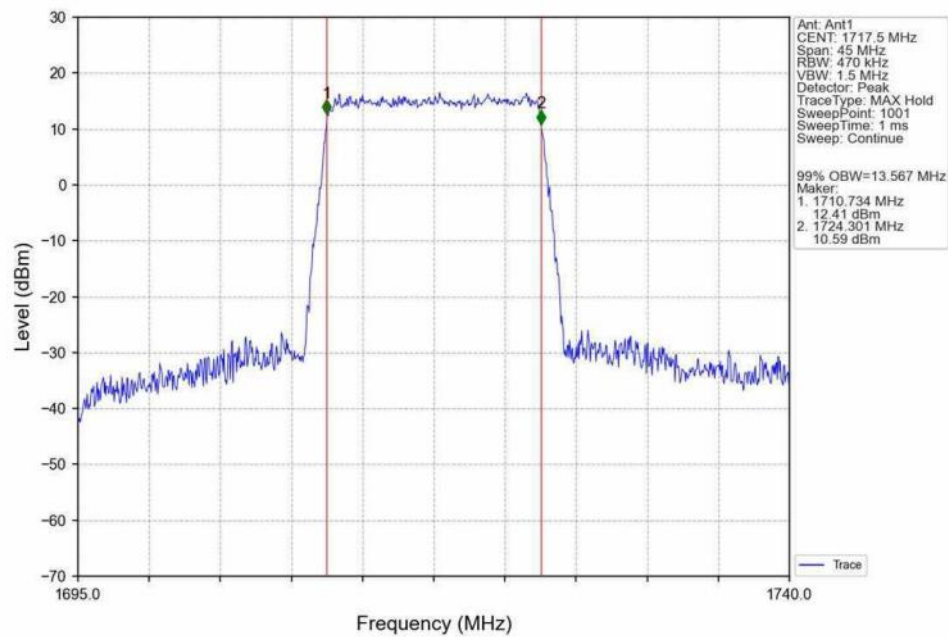
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



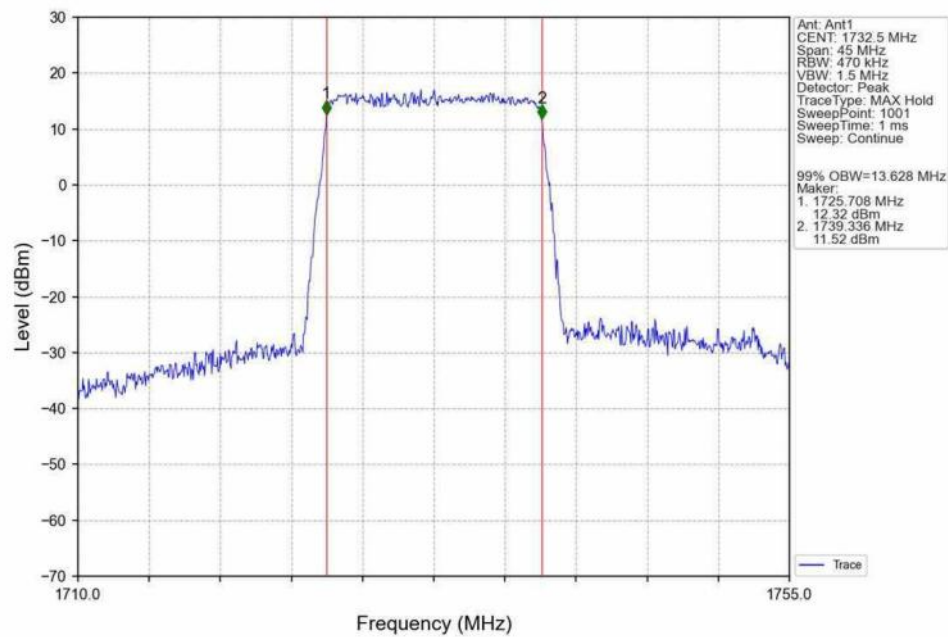
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



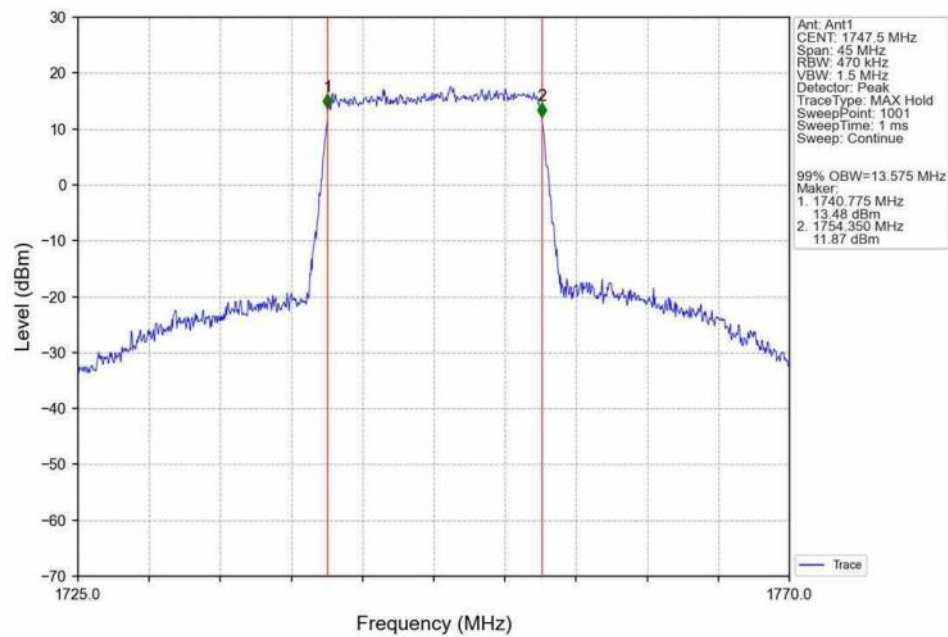
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTV



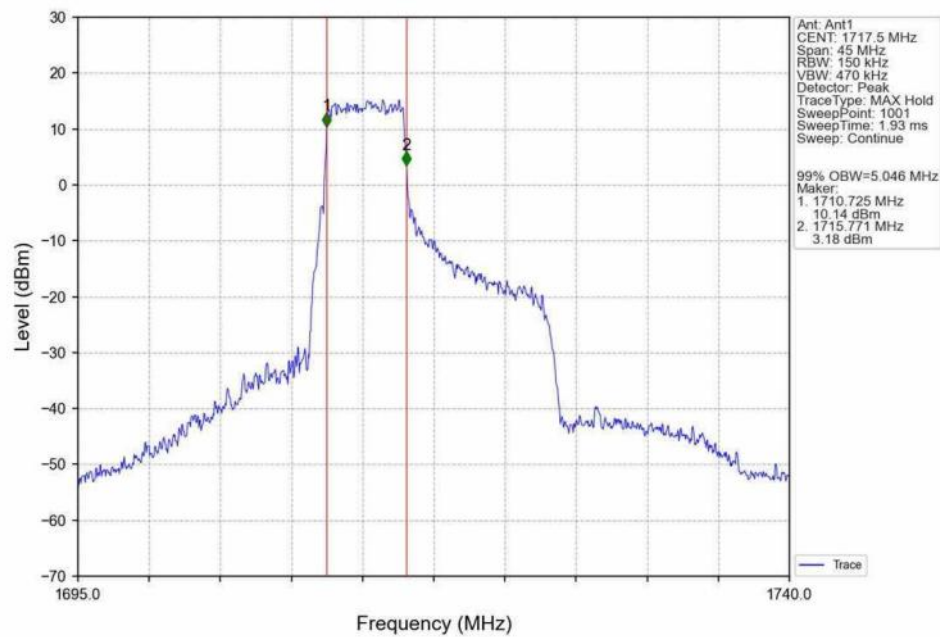
Band4 15MHz QPSK MCH 1732.5MHz RB 75 0 NTV



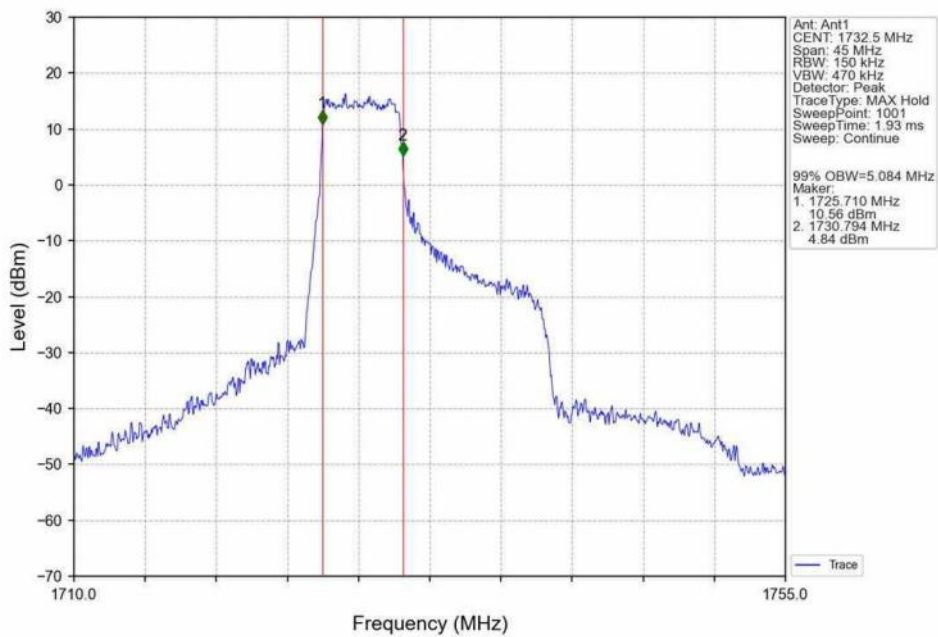
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



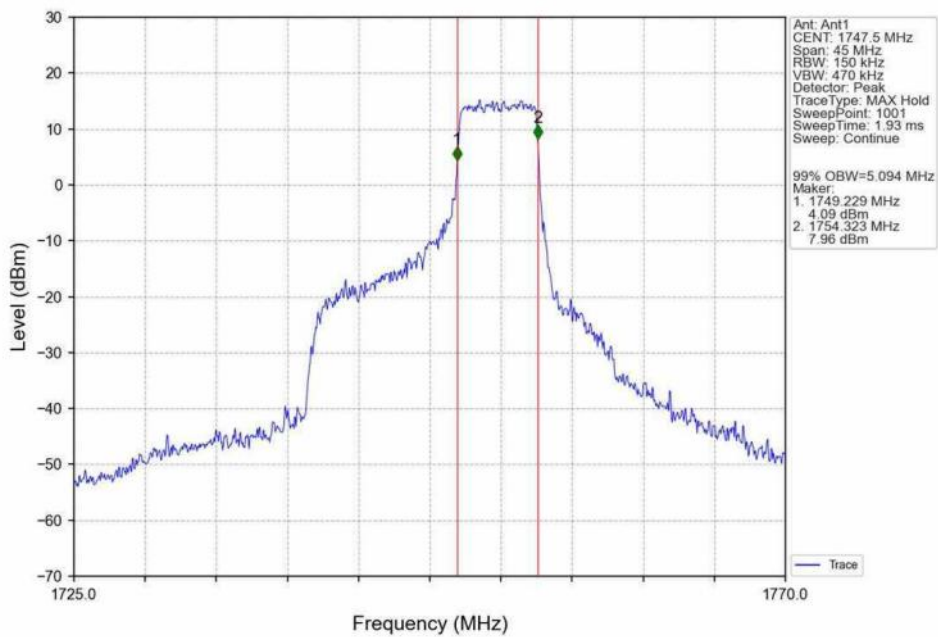
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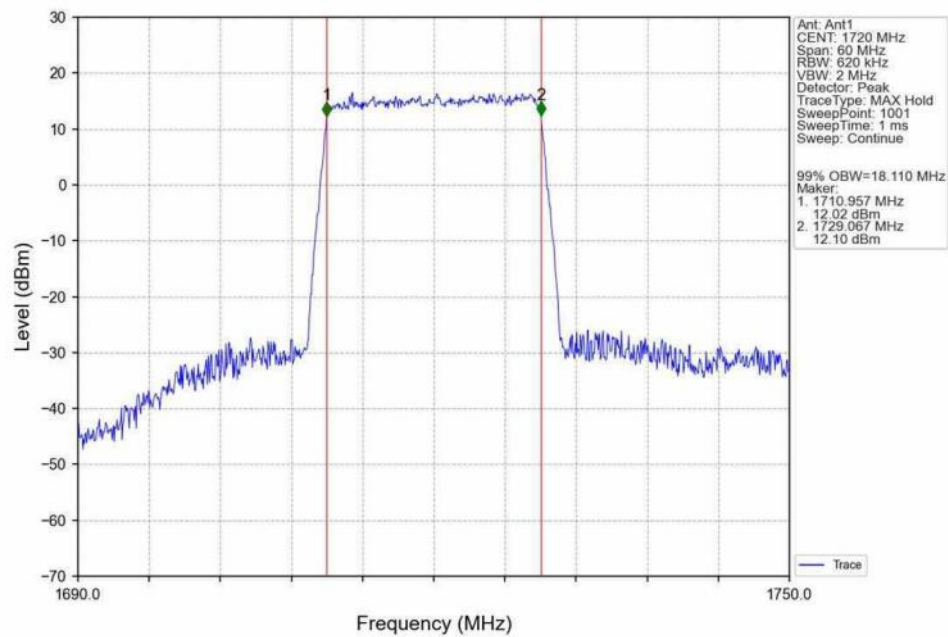
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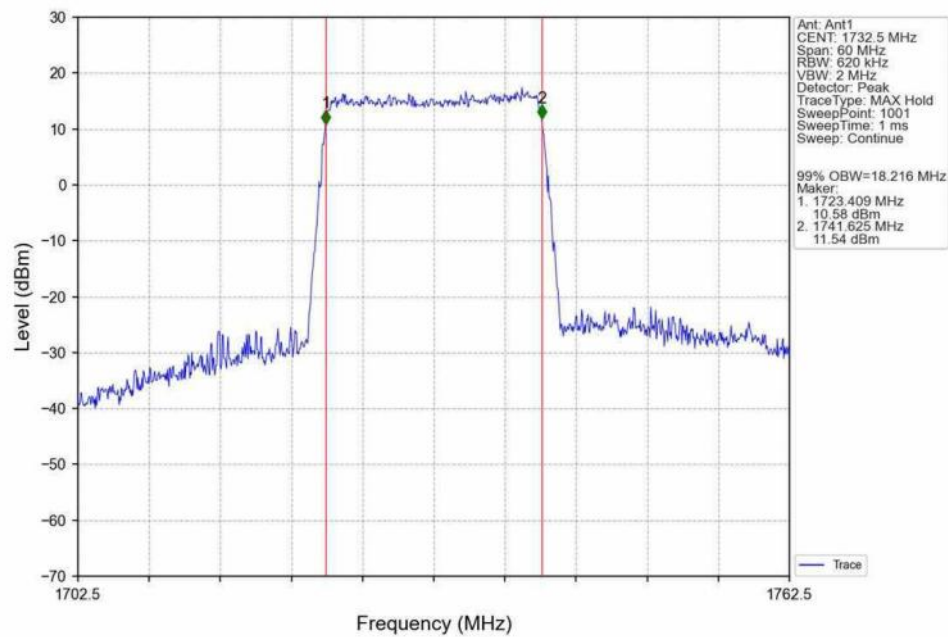
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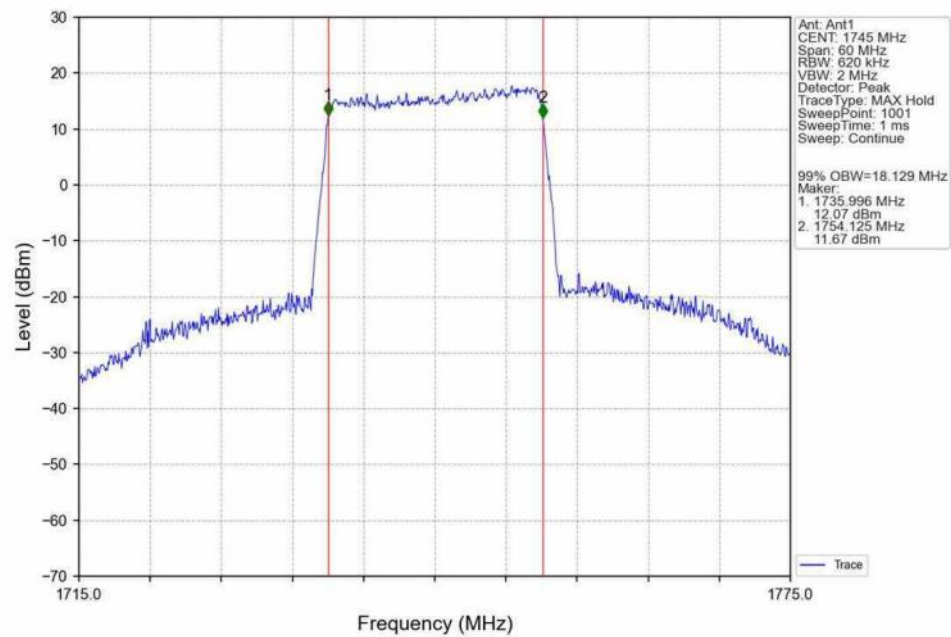
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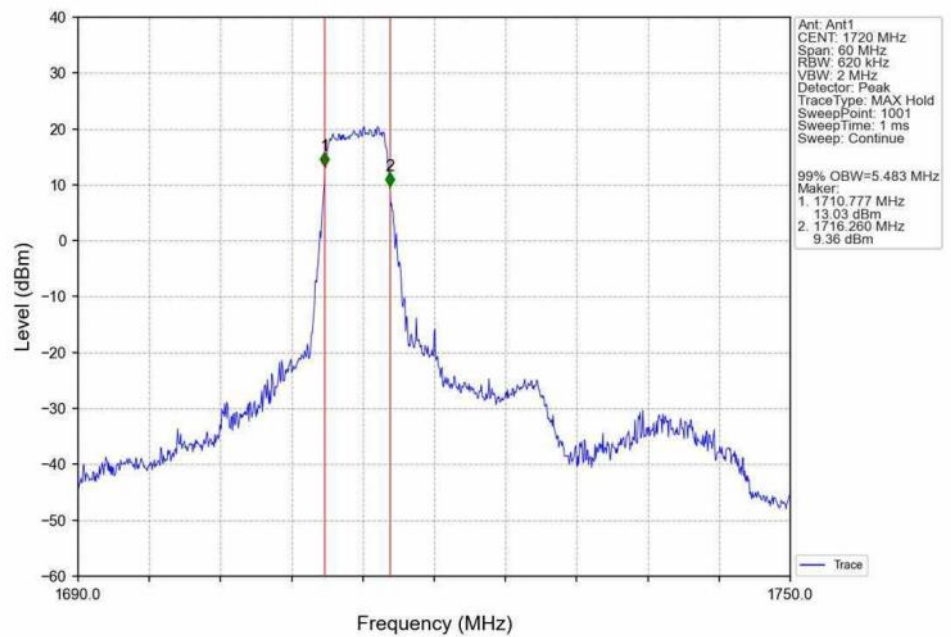
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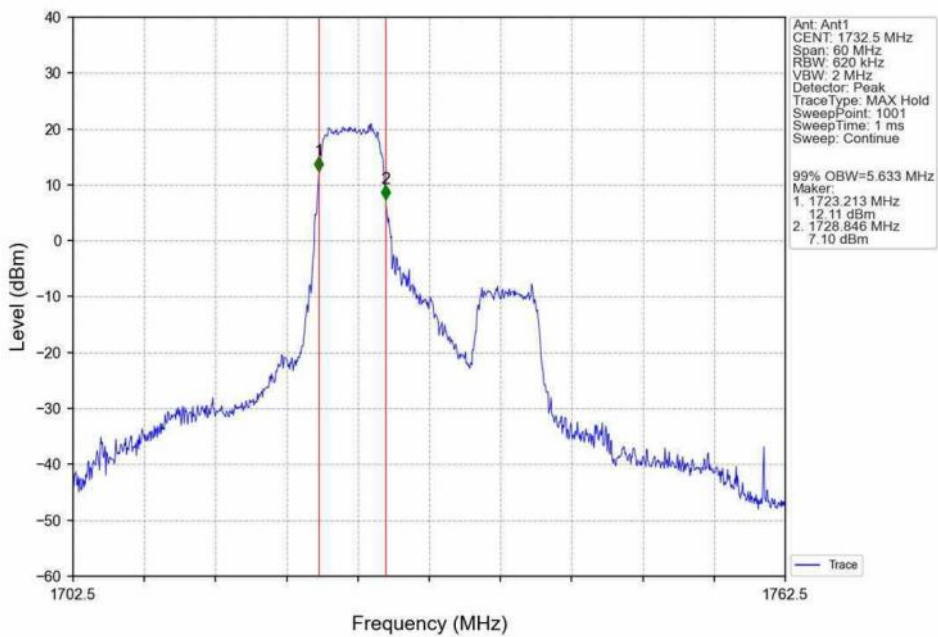
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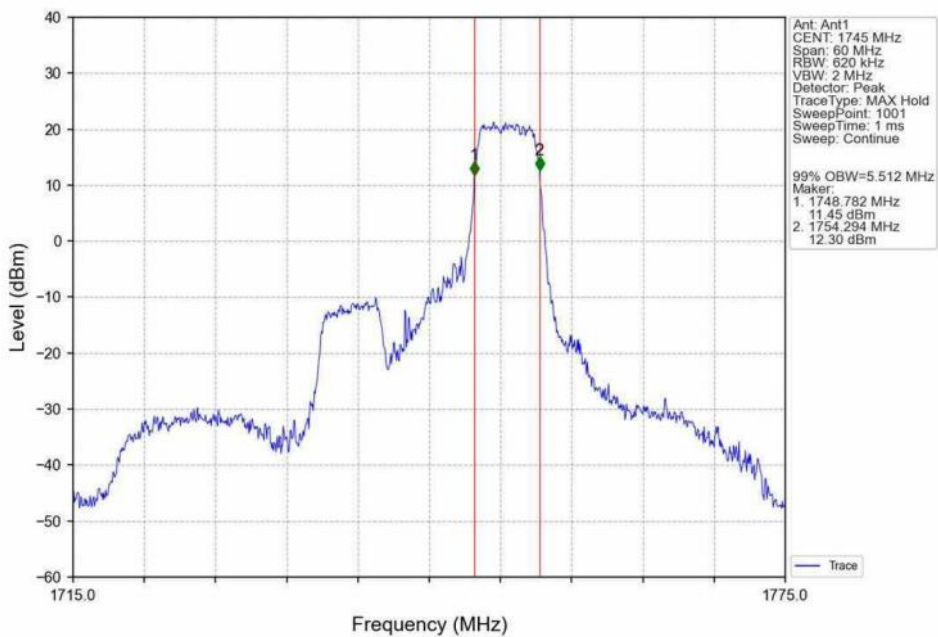
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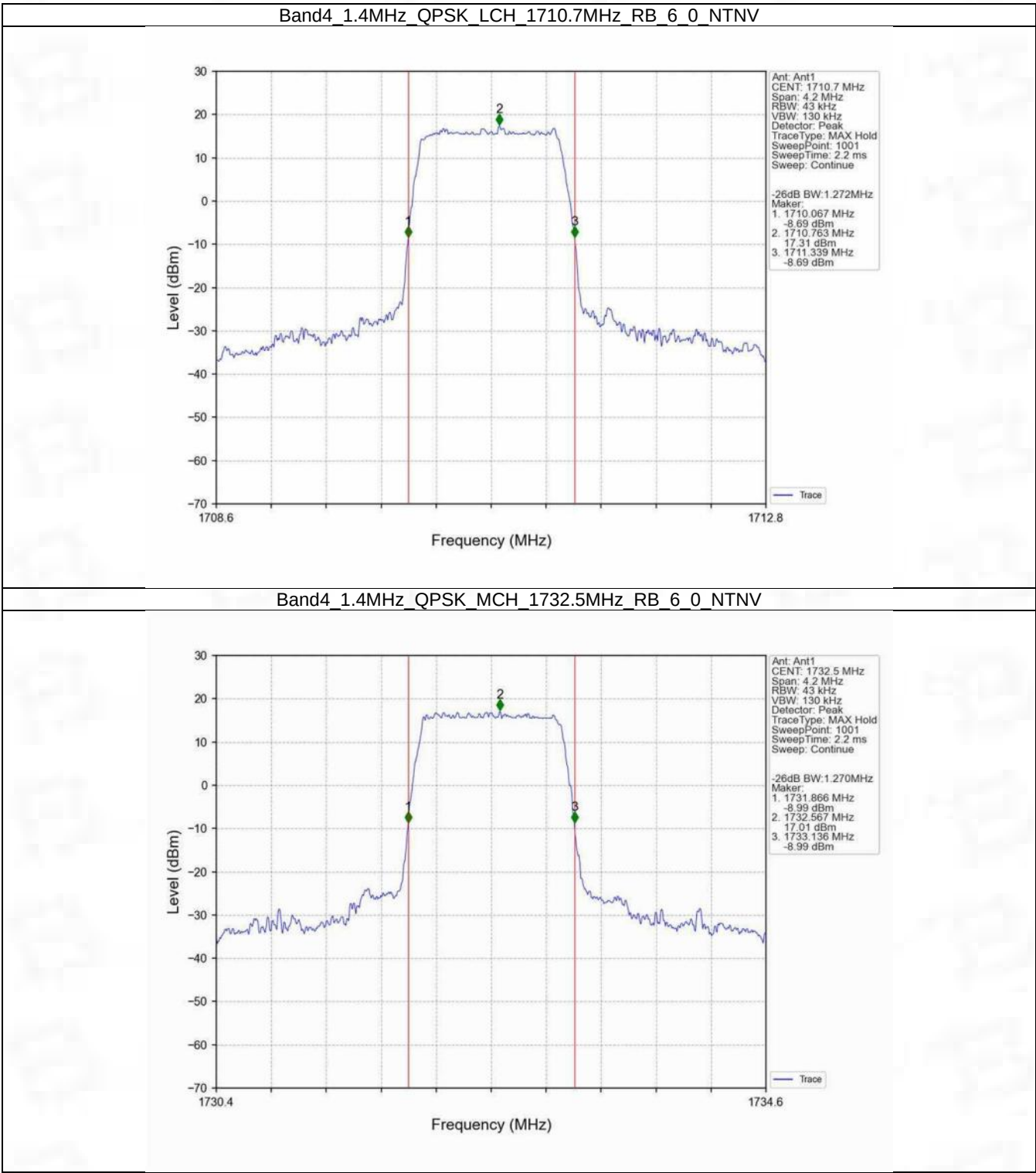
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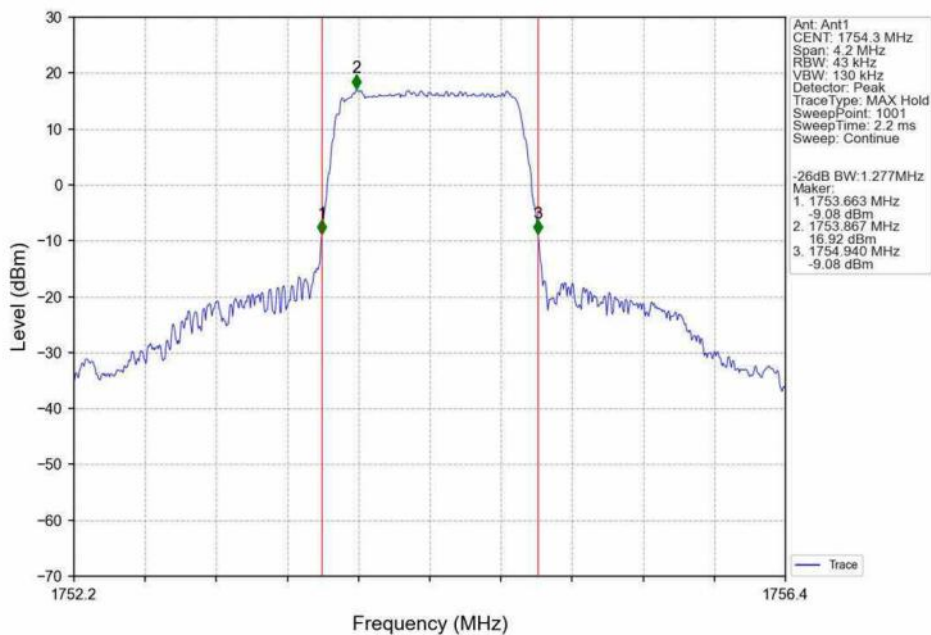
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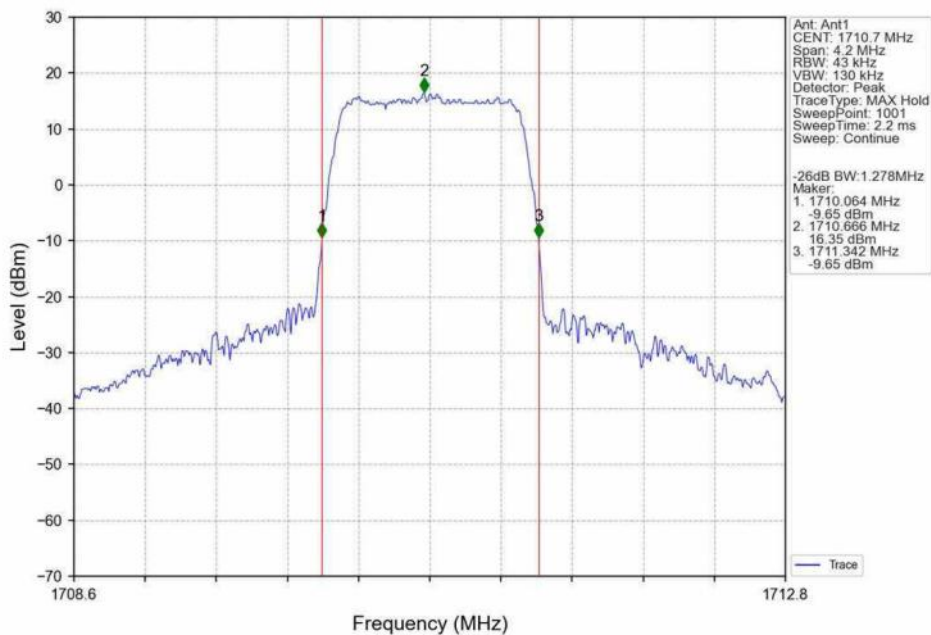
4.2.2 Band4_XDB

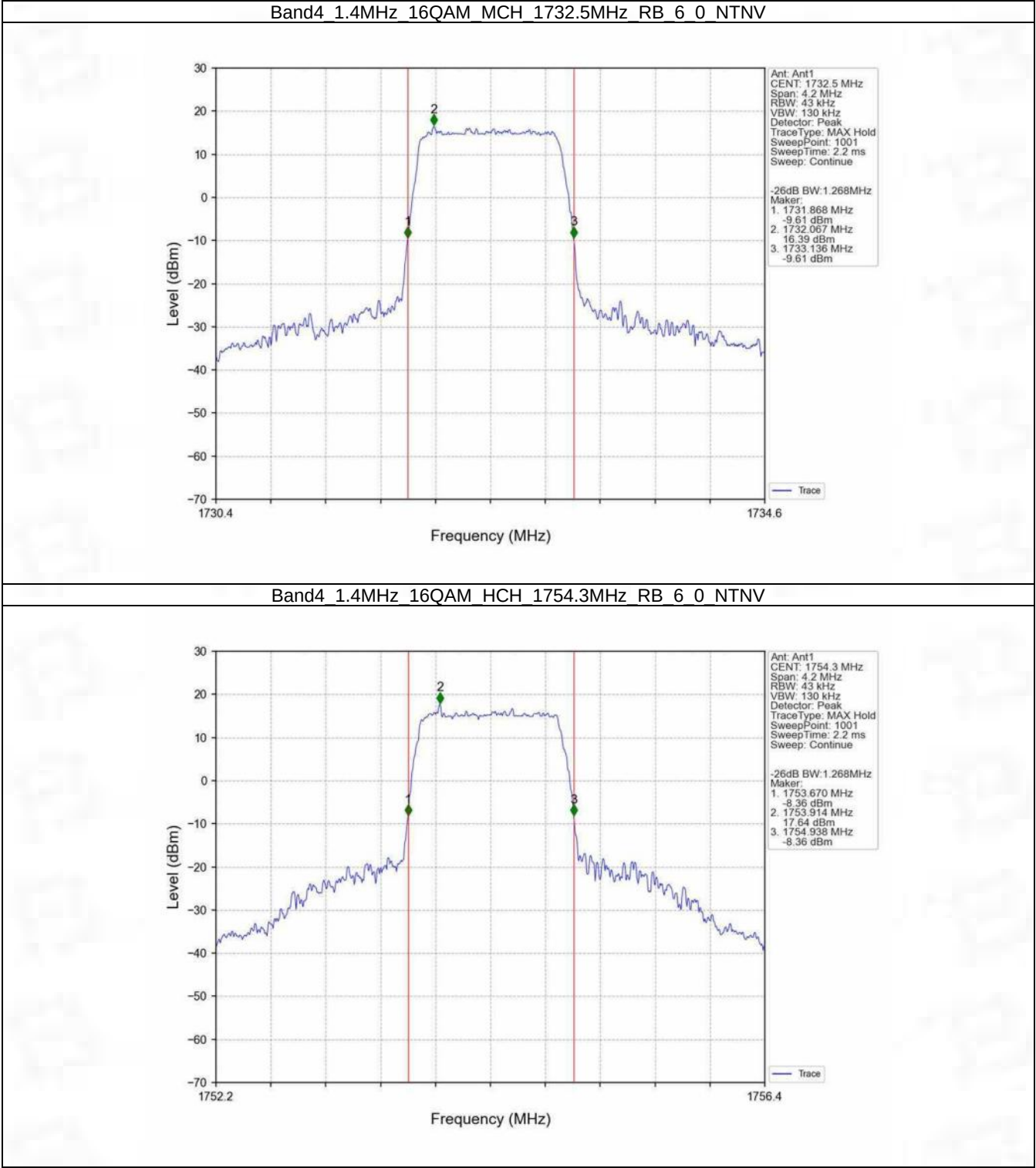


Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTV

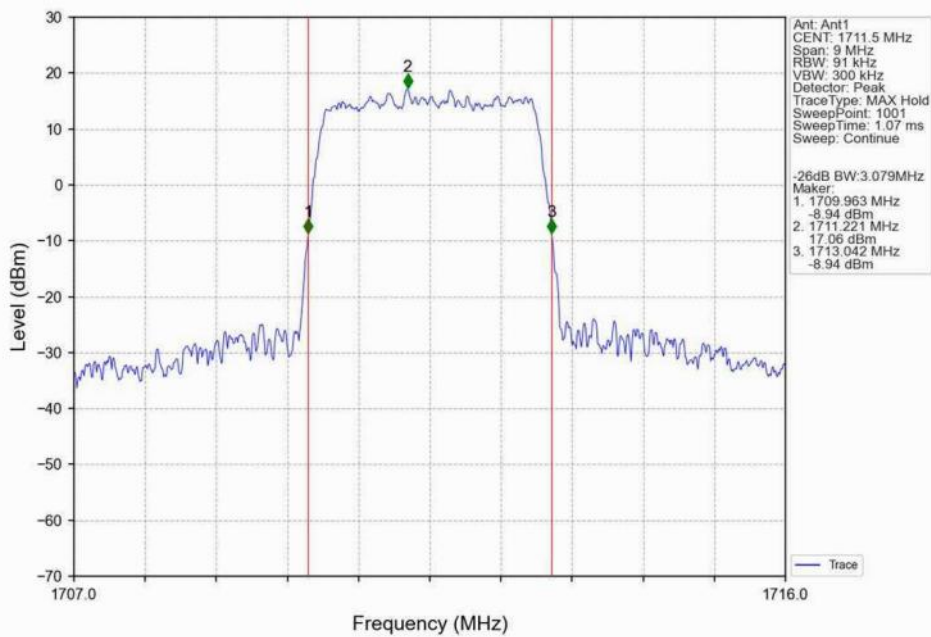


Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTV

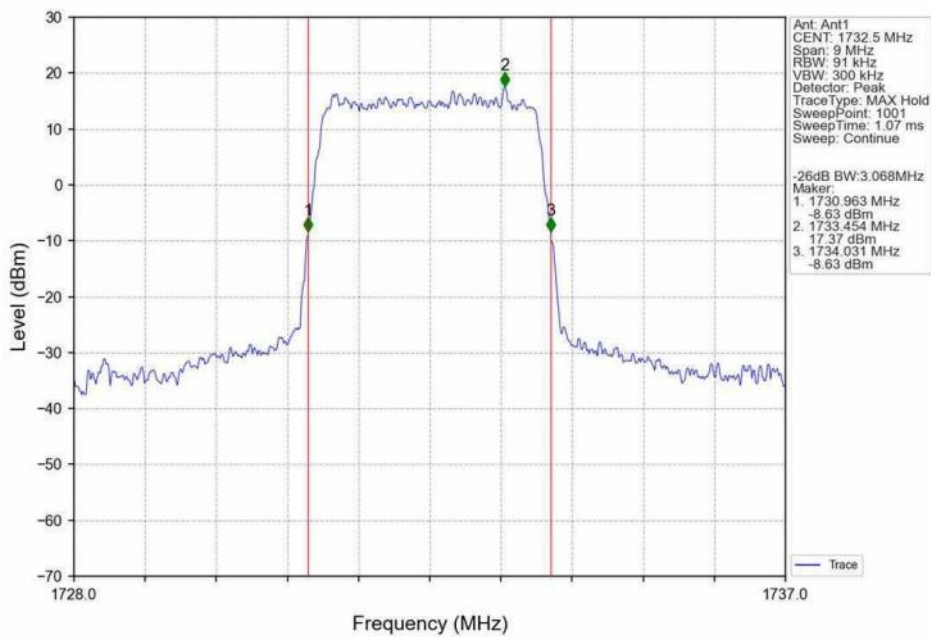




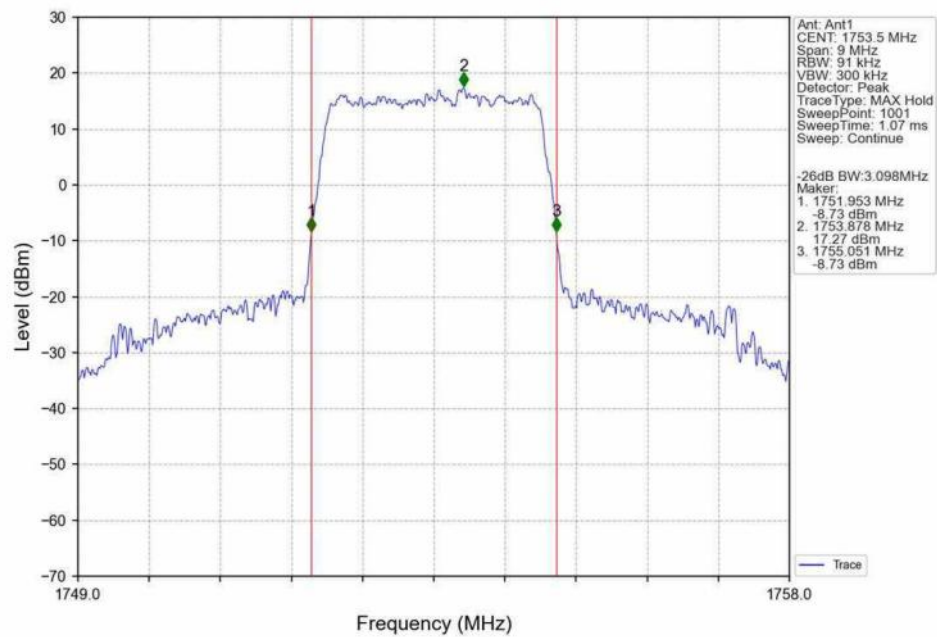
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



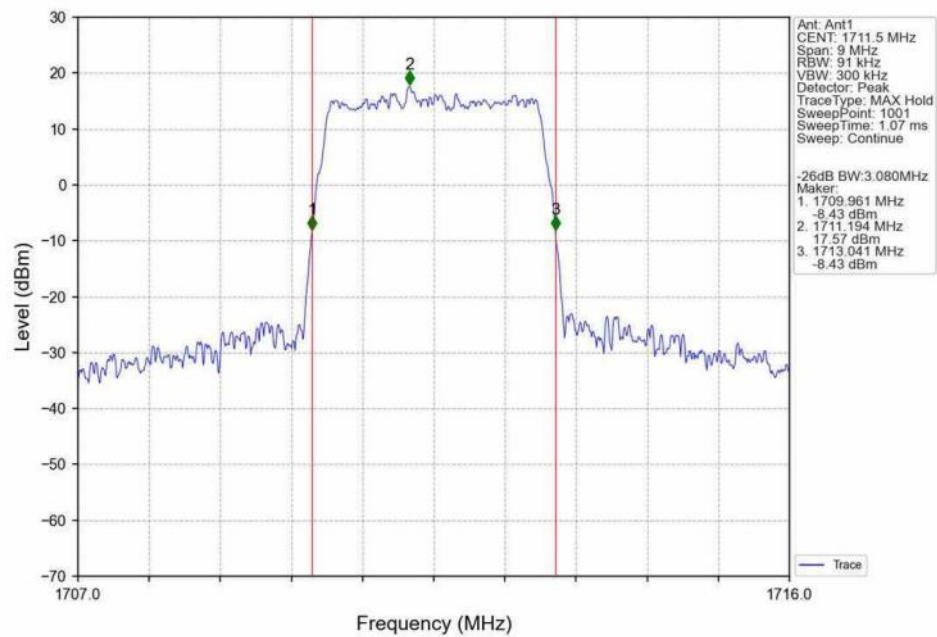
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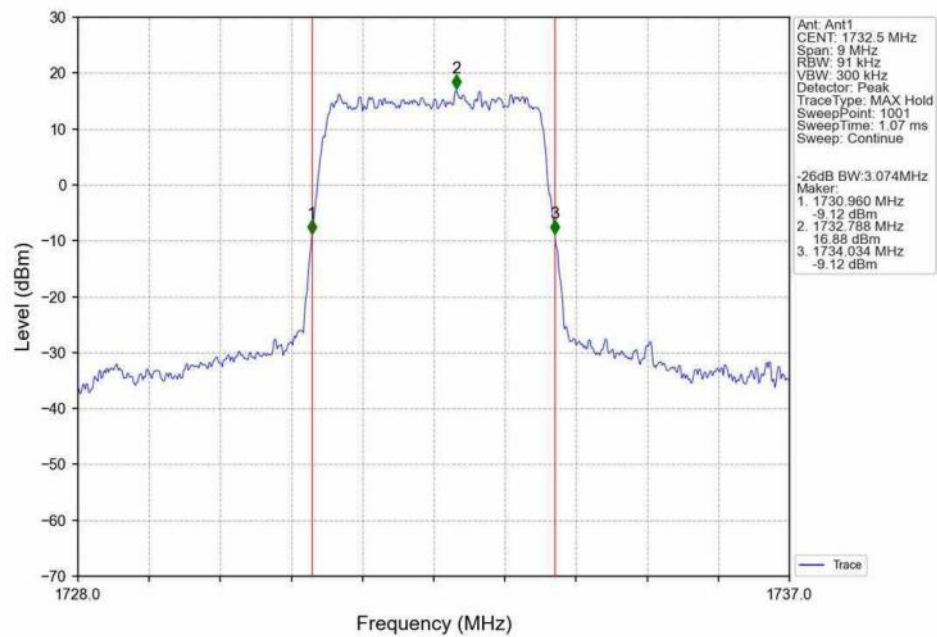
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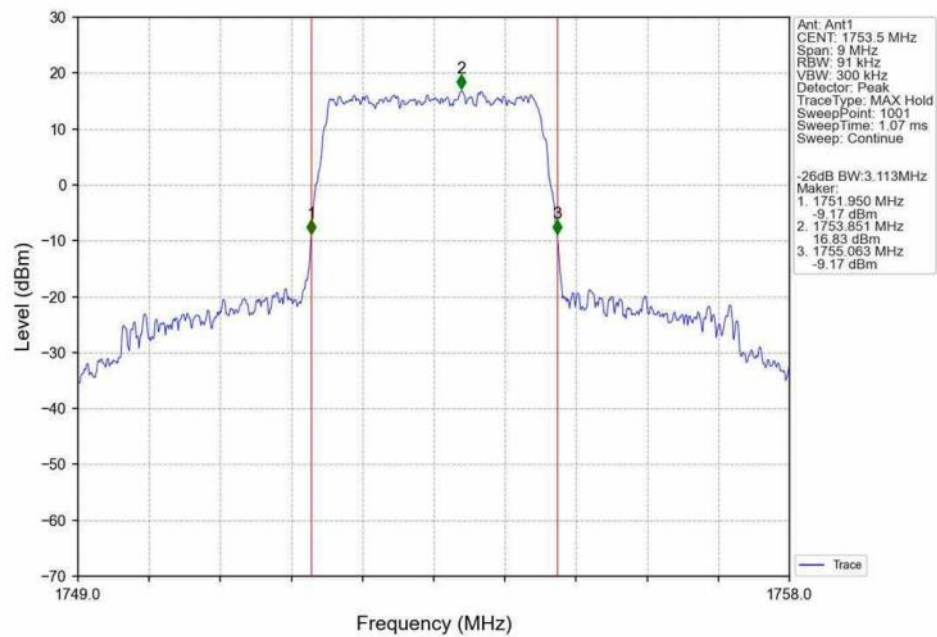
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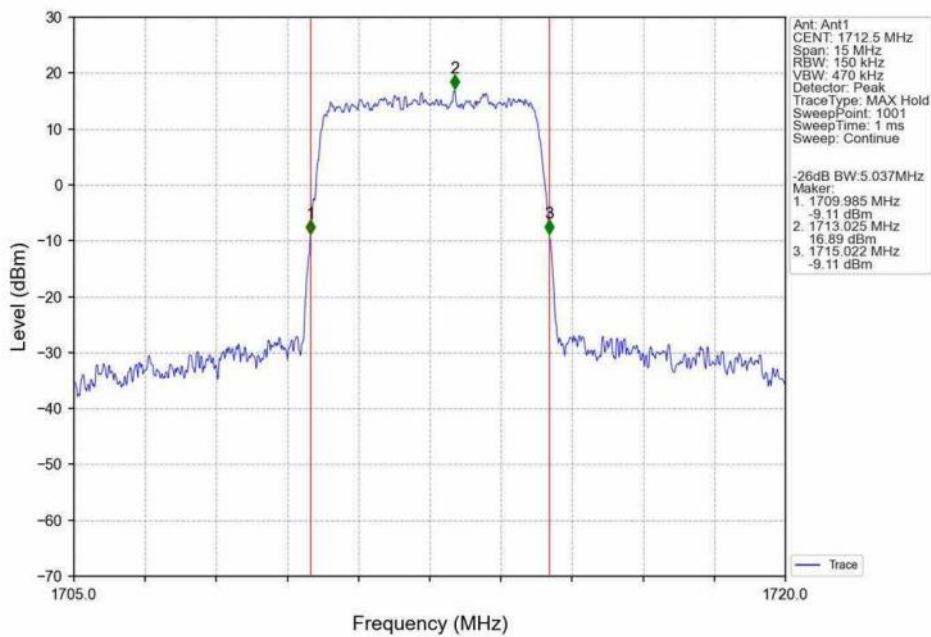
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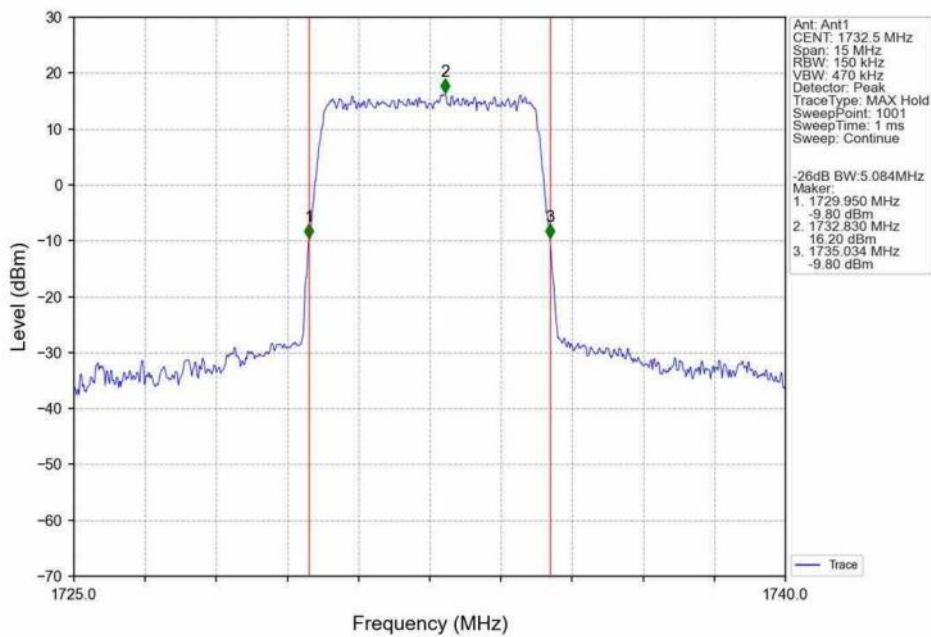
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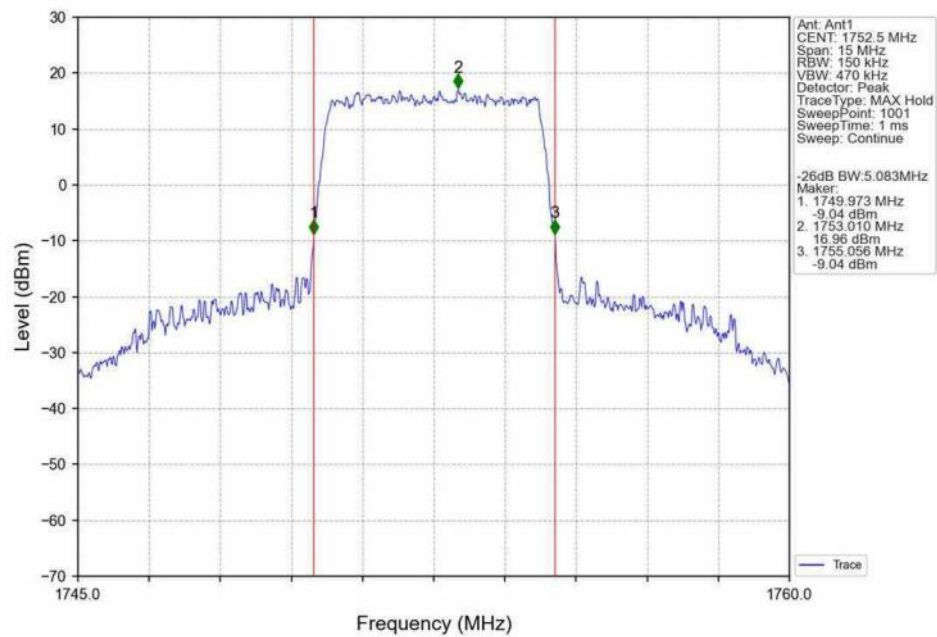
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTNV



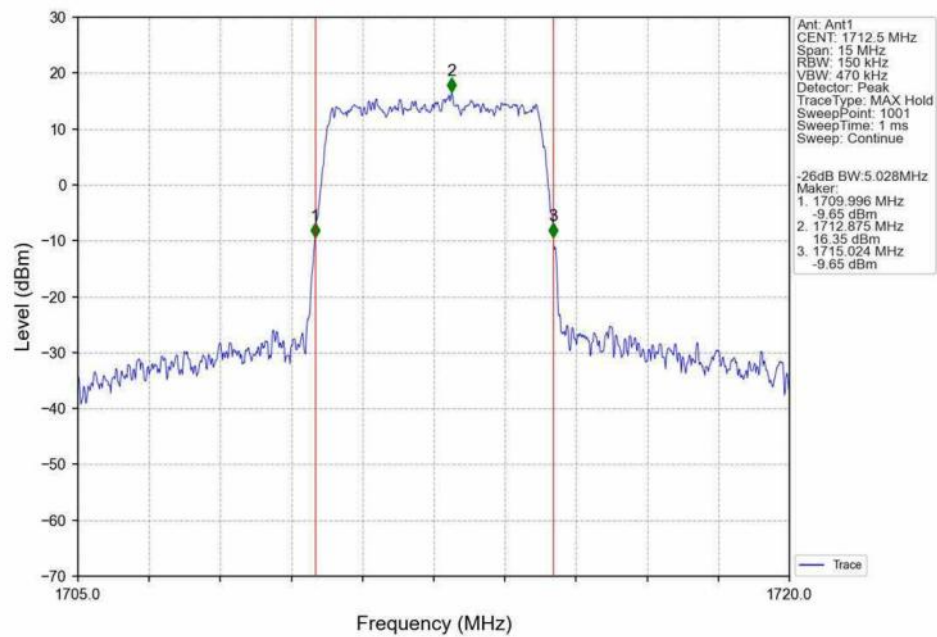
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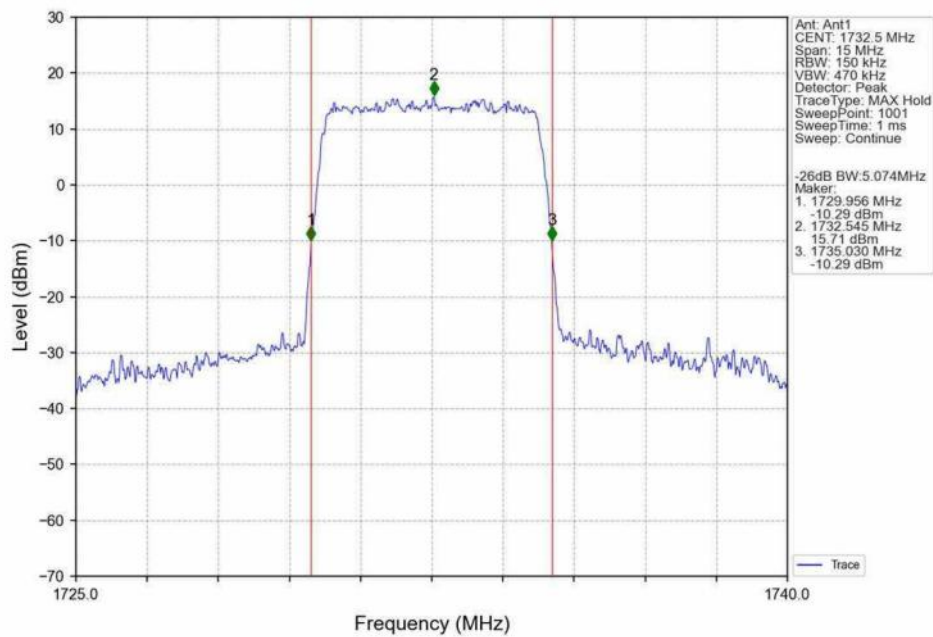
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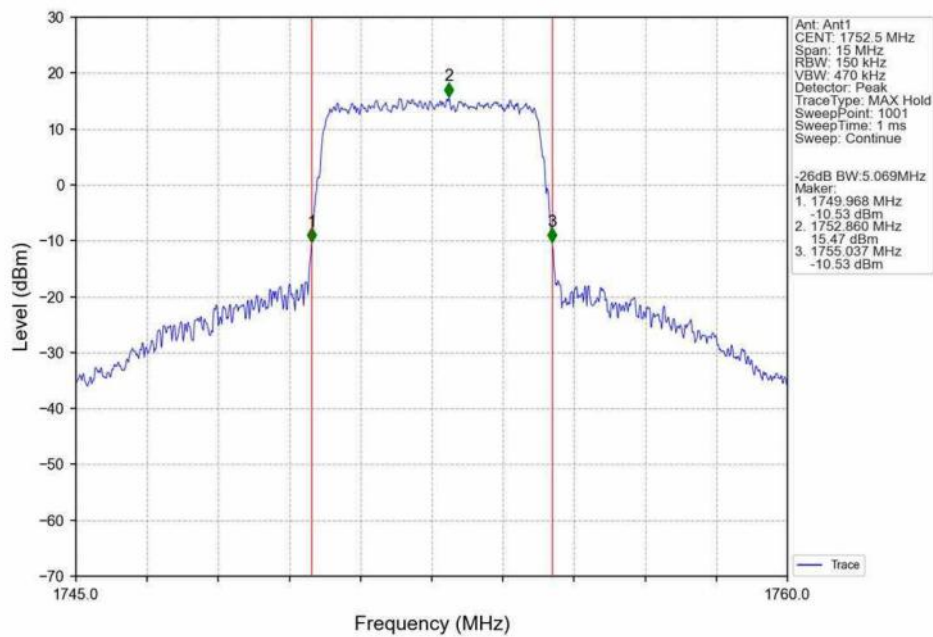
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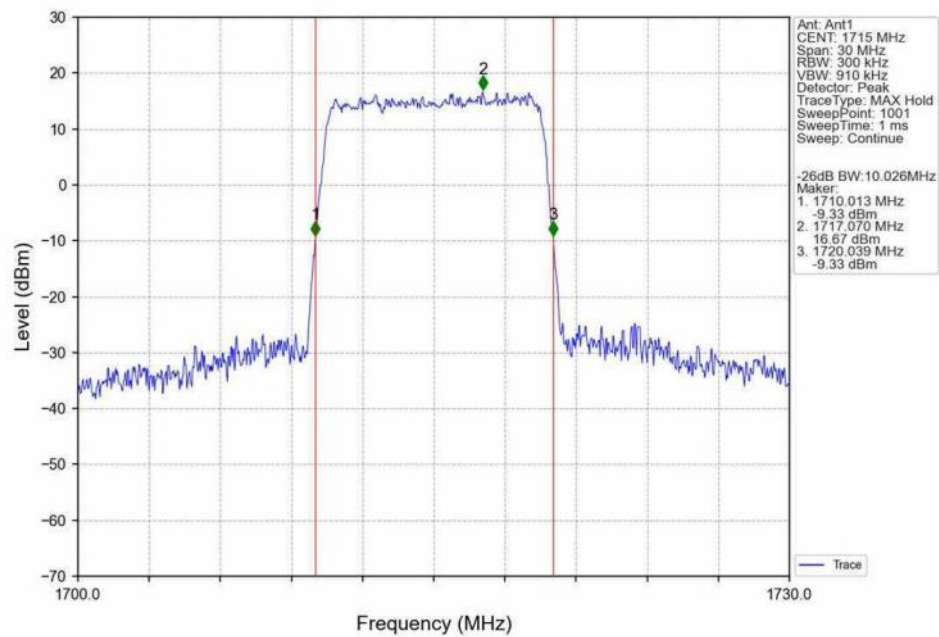
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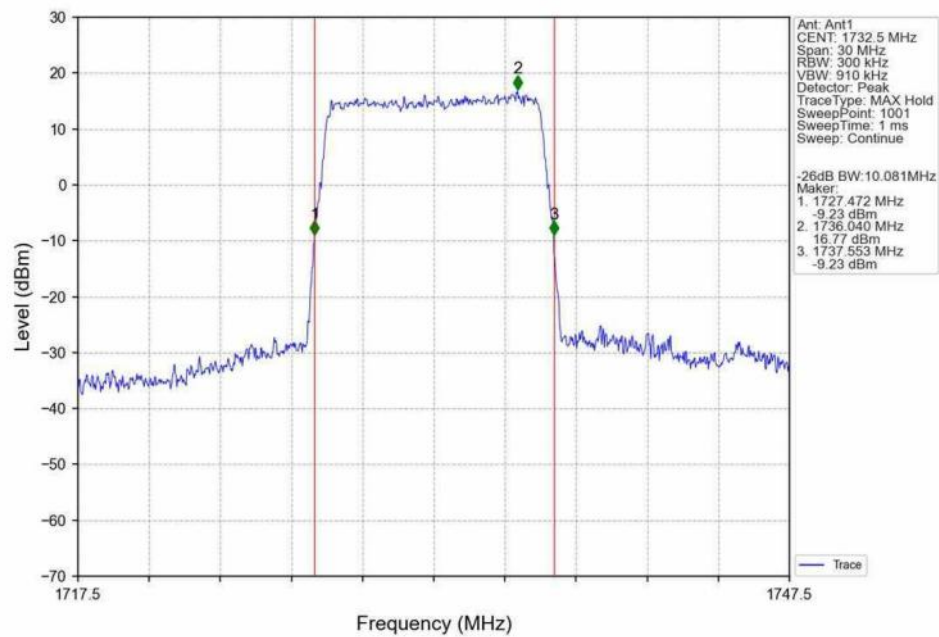
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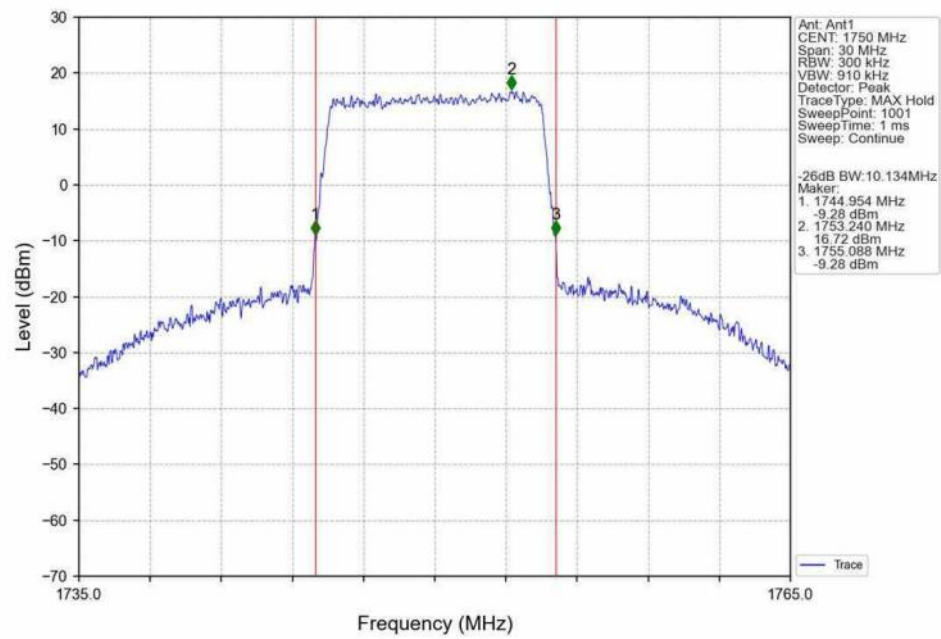
Band4 10MHz QPSK LCH 1715MHz RB 50 0 NTNV



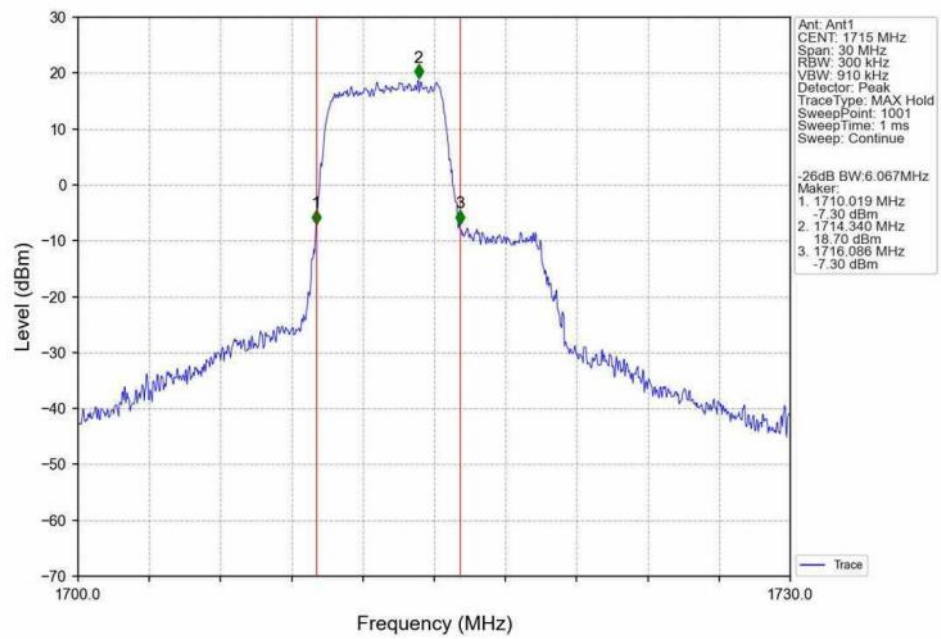
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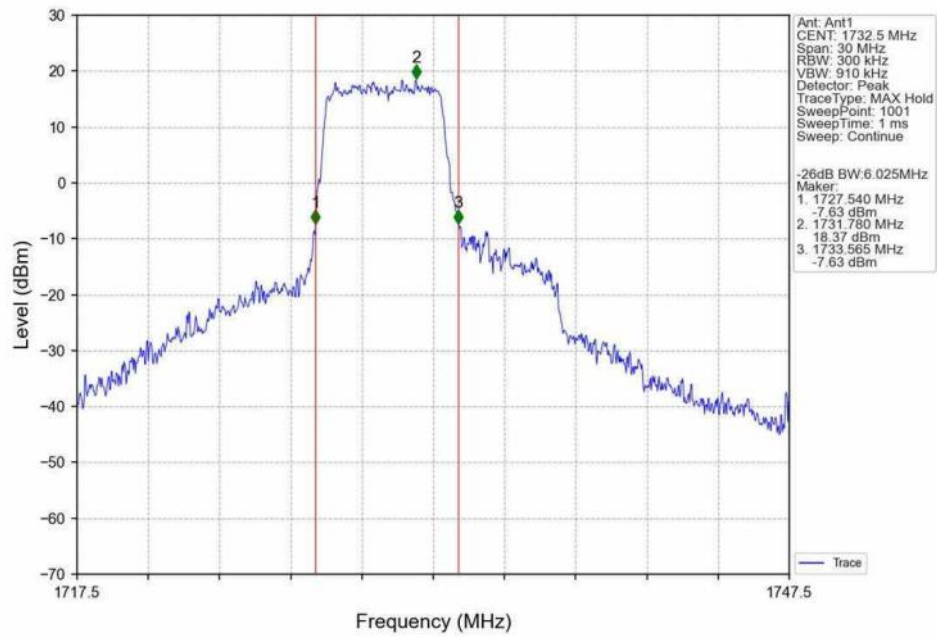
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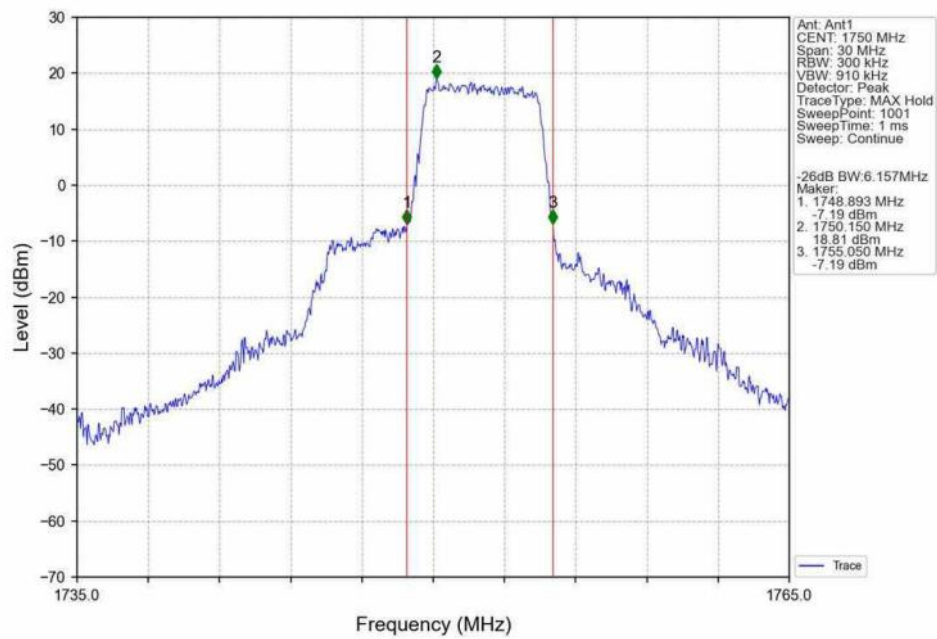
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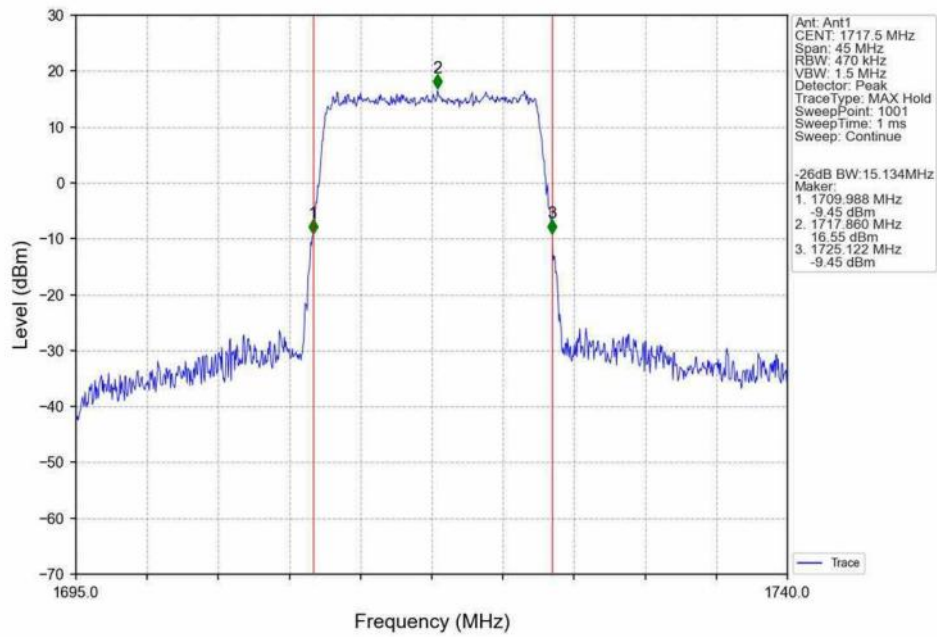
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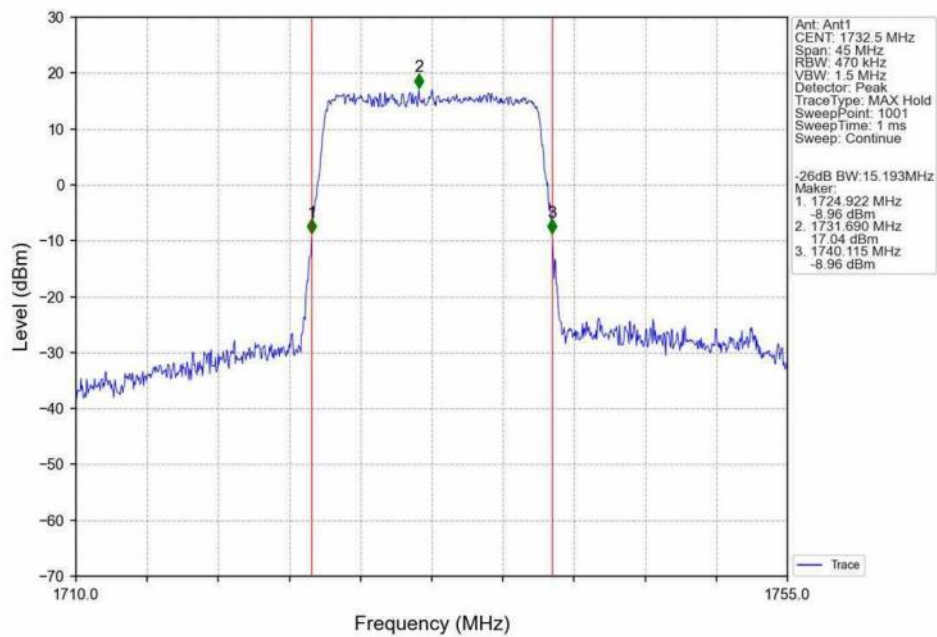
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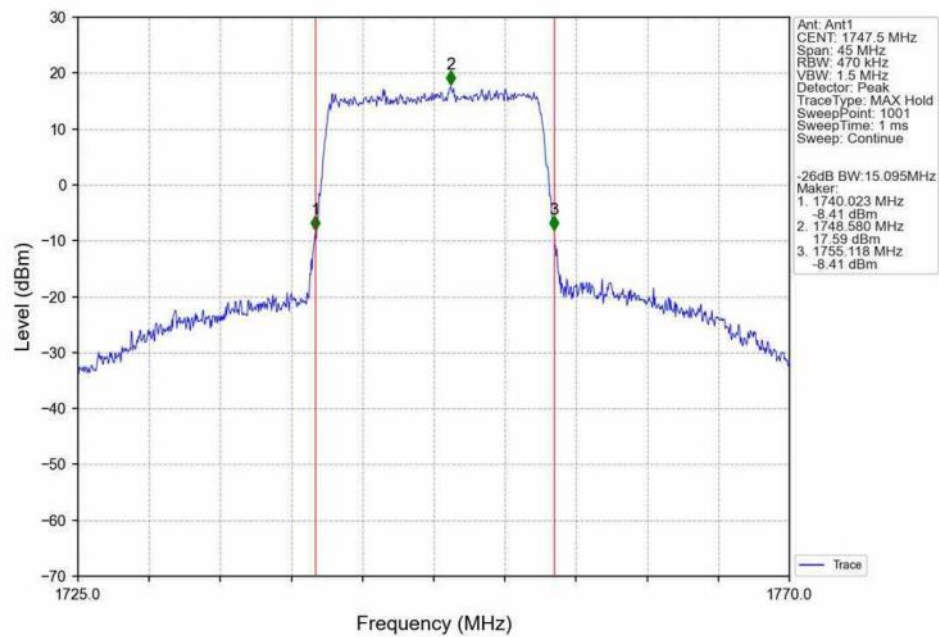
Band4 15MHz QPSK LCH 1717.5MHz RB 75 0 NTV



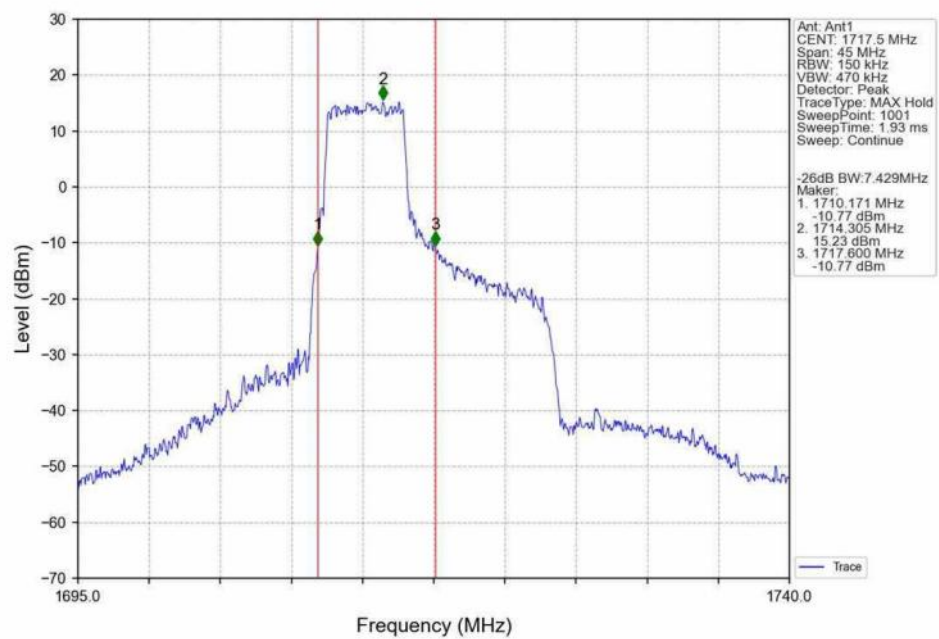
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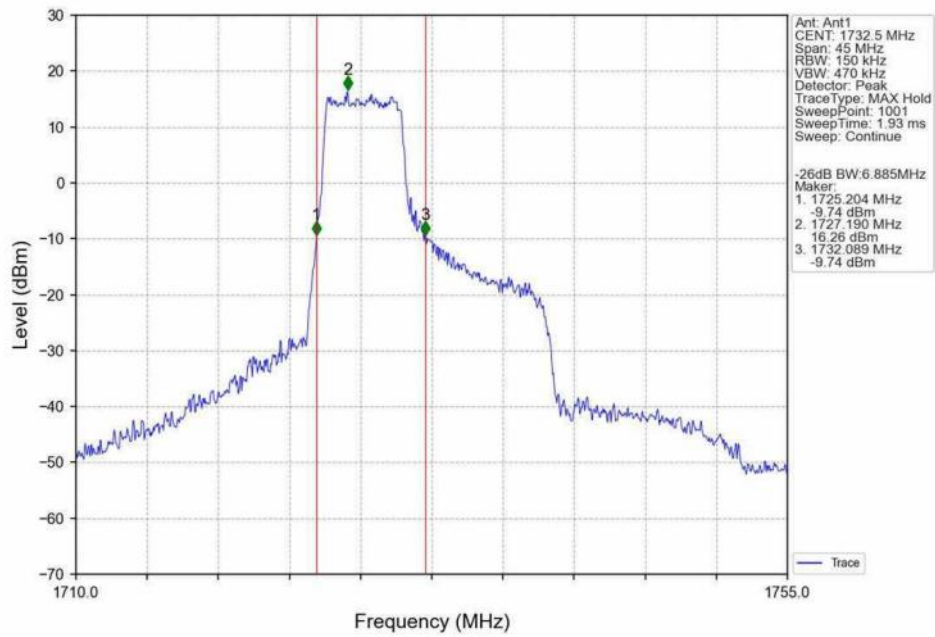
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTNV



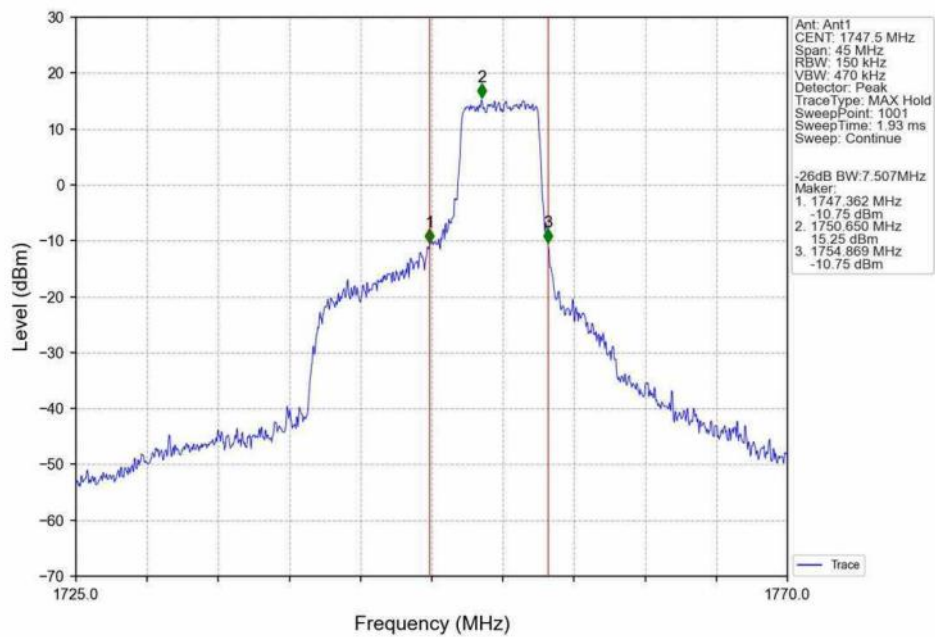
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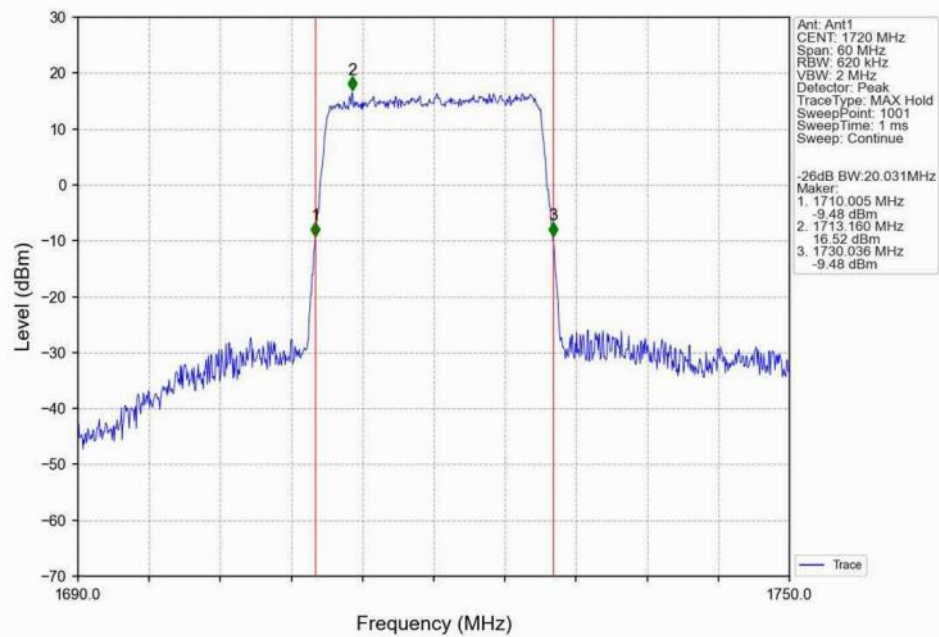
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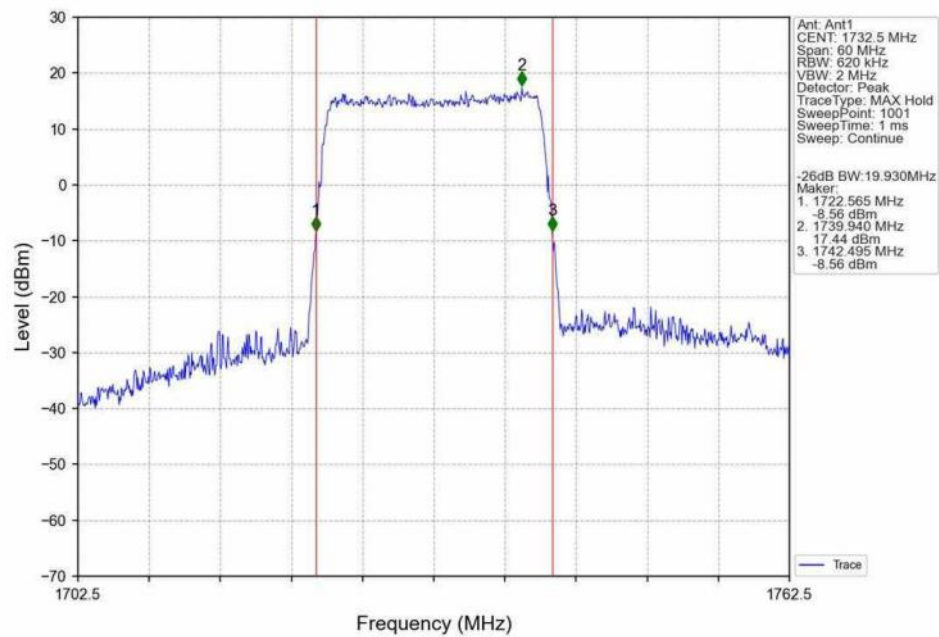
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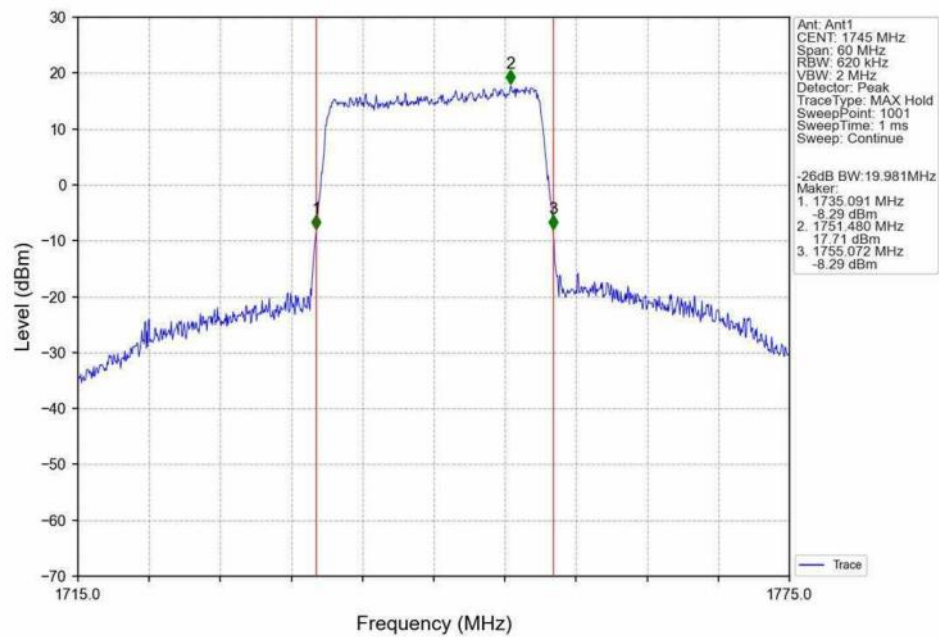
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



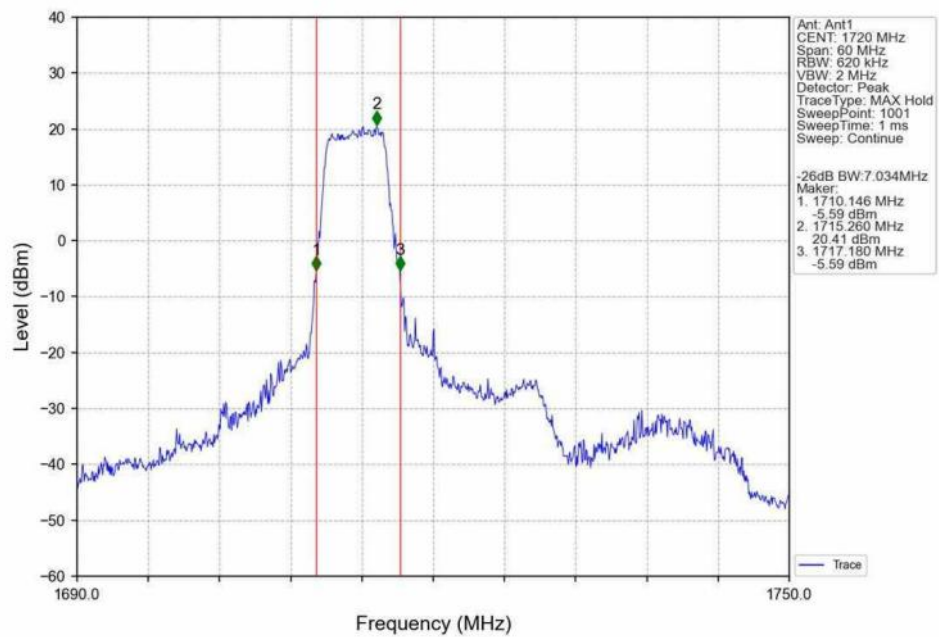
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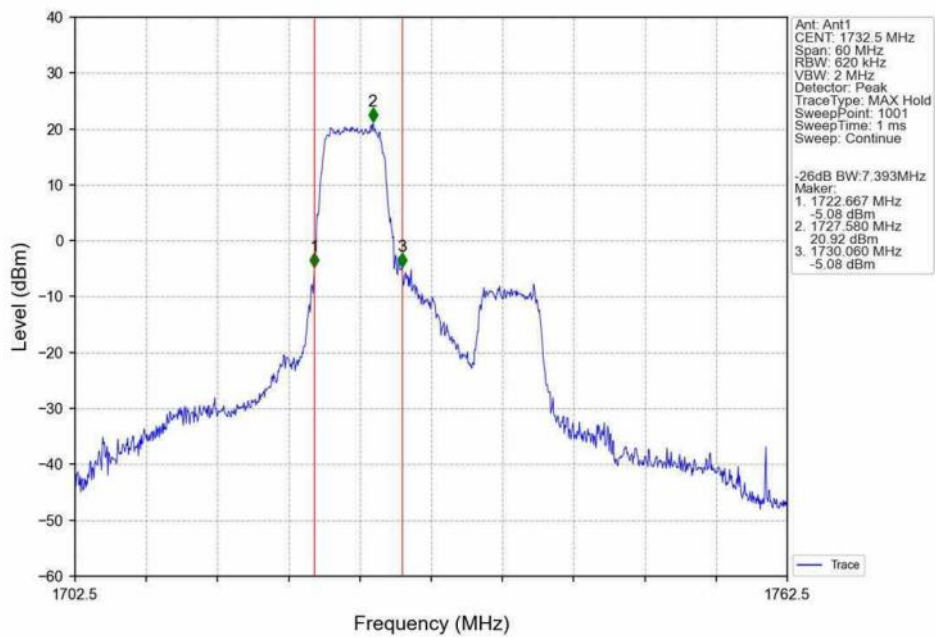
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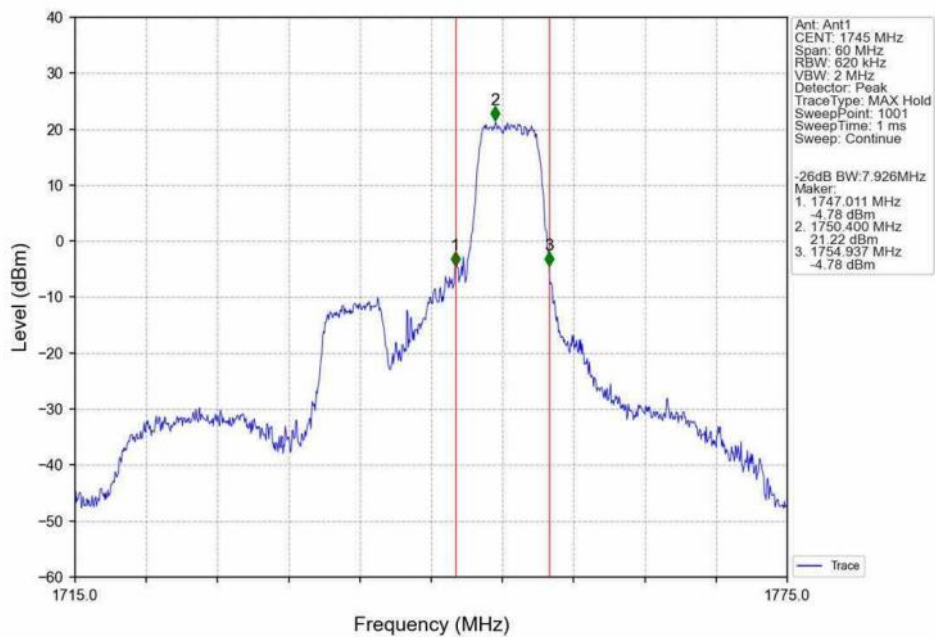
Band4 20MHz 16QAM LCH 1720MHz RB 27 0 NTV



Band4 20MHz 16QAM MCH 1732.5MHz RB 27 0 NTNV



Band4 20MHz 16QAM HCH 1745MHz RB 27 73 NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.49	<=13	Pass
	1732.5	6	0	5.83	<=13	Pass
	1754.3	6	0	4.86	<=13	Pass
16QAM	1710.7	6	0	6.22	<=13	Pass
	1732.5	6	0	6.53	<=13	Pass
	1754.3	6	0	5.72	<=13	Pass

5.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.55	<=13	Pass
	1732.5	15	0	5.77	<=13	Pass
	1753.5	15	0	5.00	<=13	Pass
16QAM	1711.5	15	0	5.53	<=13	Pass
	1732.5	15	0	5.77	<=13	Pass
	1753.5	15	0	4.98	<=13	Pass

5.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.61	<=13	Pass
	1732.5	25	0	5.78	<=13	Pass
	1752.5	25	0	5.15	<=13	Pass
16QAM	1712.5	25	0	6.31	<=13	Pass
	1732.5	25	0	6.55	<=13	Pass
	1752.5	25	0	5.82	<=13	Pass

5.1.4 B4_10MHz

Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.67	<=13	Pass
	1732.5	50	0	5.81	<=13	Pass
	1750	50	0	5.14	<=13	Pass
16QAM	1715	27	0	5.66	<=13	Pass
	1732.5	27	0	5.81	<=13	Pass
	1750	27	23	5.13	<=13	Pass

5.1.5 B4_15MHz

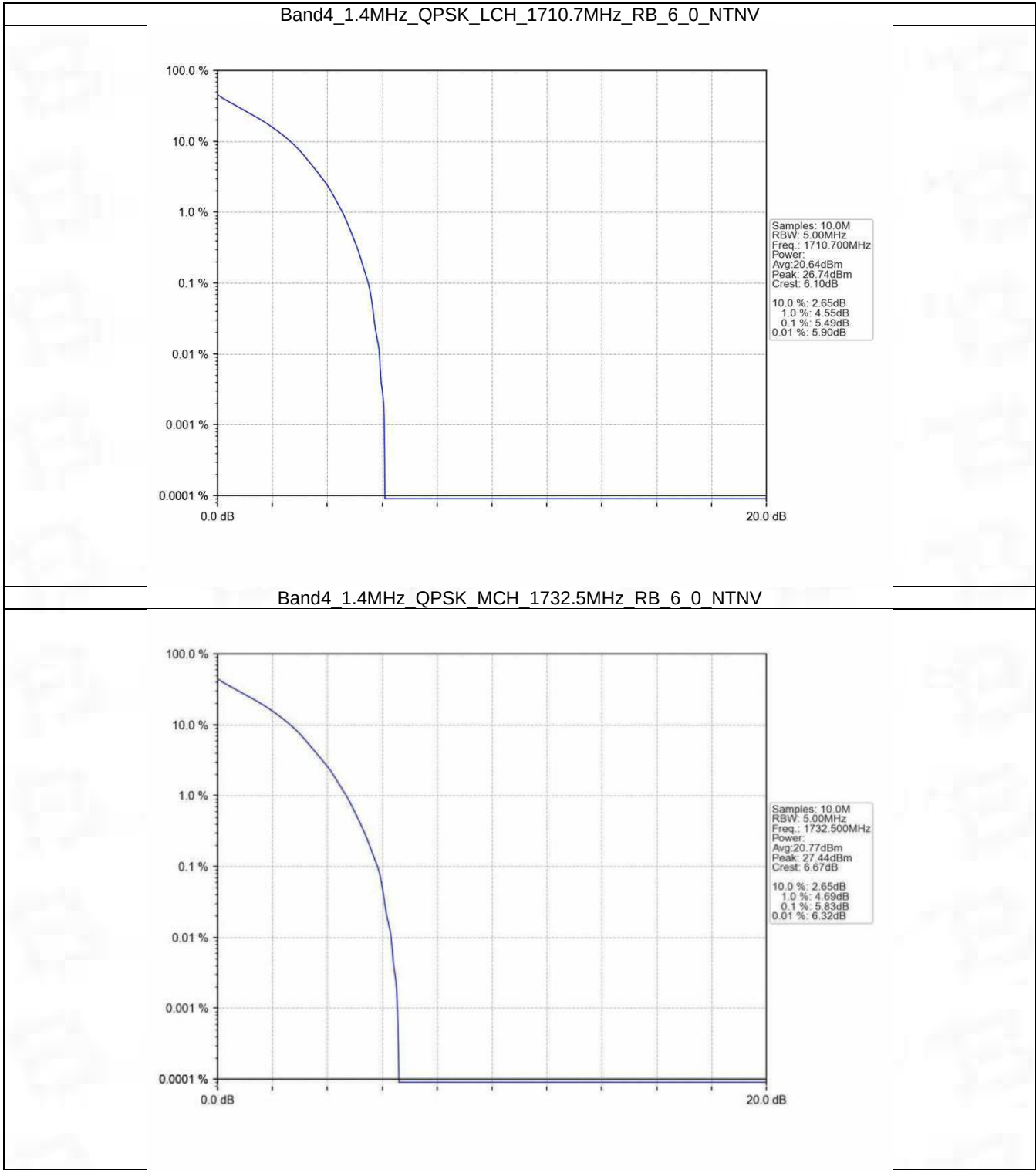
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	6.01	<=13	Pass
	1732.5	75	0	6.07	<=13	Pass
	1747.5	75	0	5.28	<=13	Pass
16QAM	1717.5	27	0	6.26	<=13	Pass
	1732.5	27	0	6.53	<=13	Pass
	1747.5	27	48	5.60	<=13	Pass

5.1.6 B4_20MHz

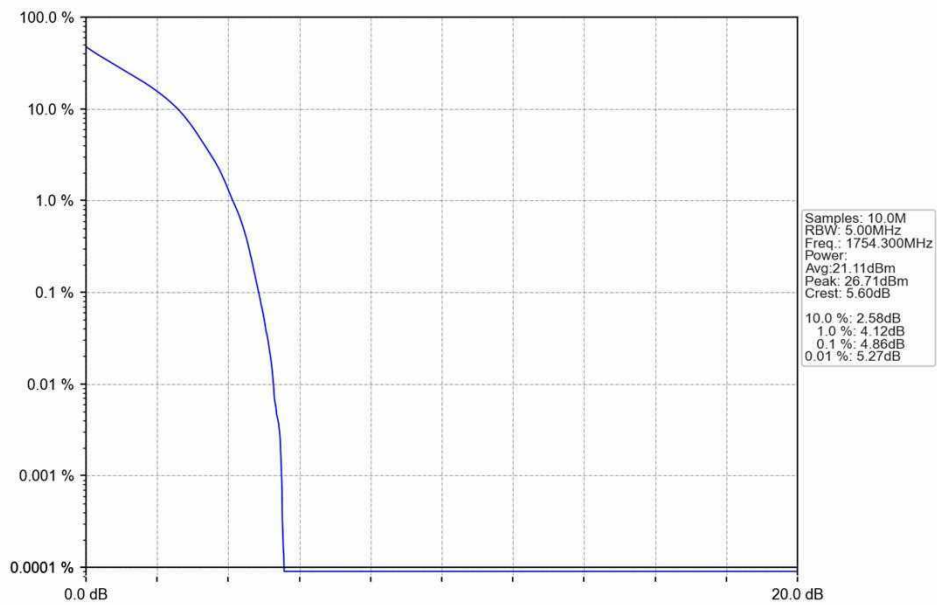
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.82	<=13	Pass
	1732.5	100	0	5.77	<=13	Pass
	1745	100	0	5.37	<=13	Pass
16QAM	1720	27	0	5.82	<=13	Pass
	1732.5	27	0	5.76	<=13	Pass
	1745	27	73	5.37	<=13	Pass

5.2 Test Graph

5.2.1 B4_1.4MHz



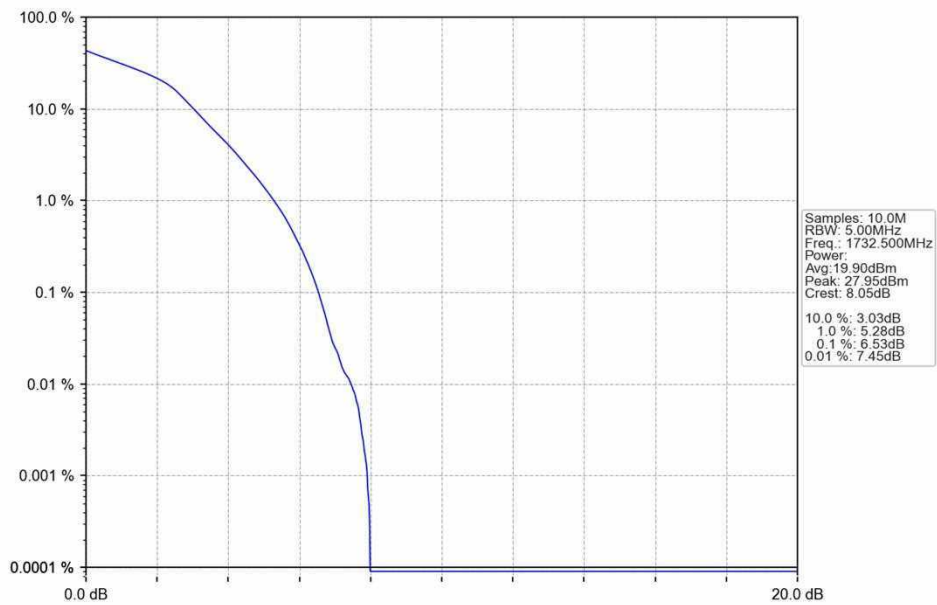
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



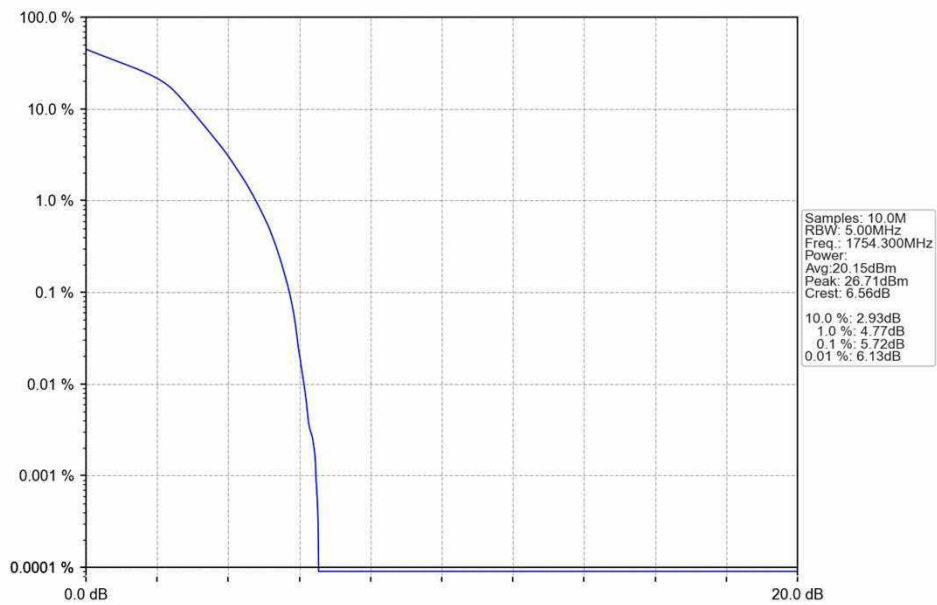
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



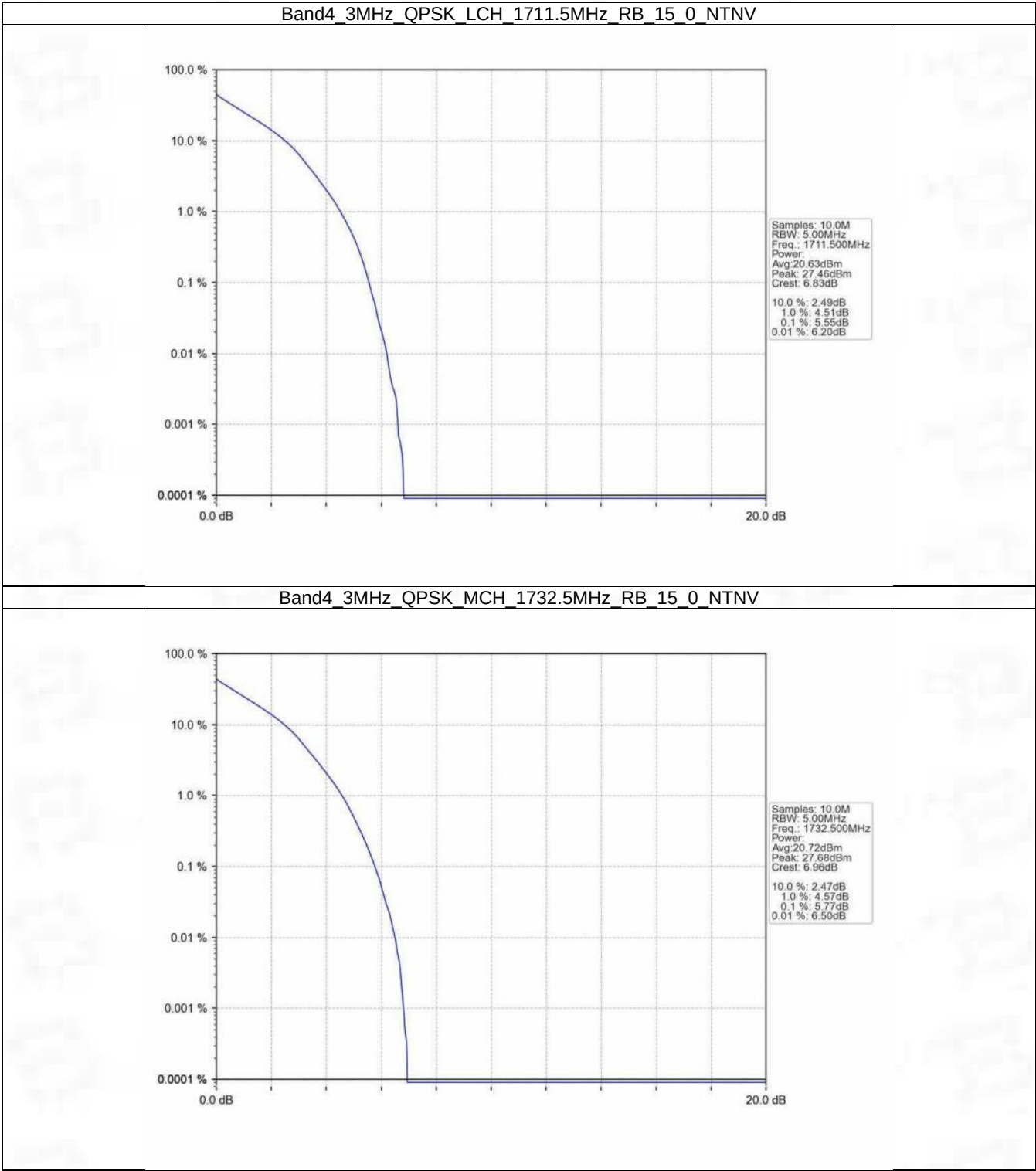
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTV



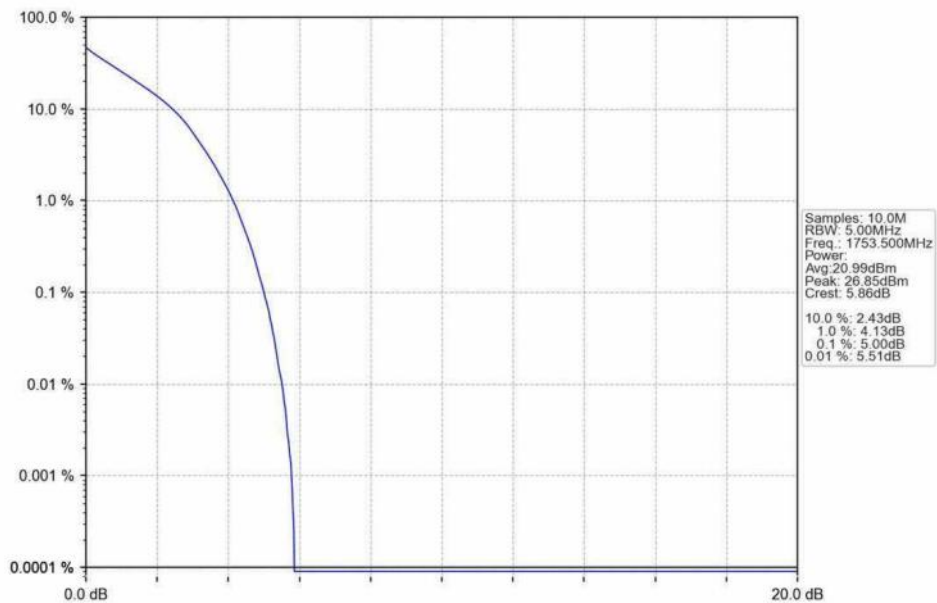
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTV



5.2.2 B4_3MHz



Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTNV

