

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	22.98	-0.31	22.67	<=30	Pass
			2	23.09	-0.31	22.78	<=30	Pass
			5	22.97	-0.31	22.66	<=30	Pass
		3	0	22.93	-0.31	22.62	<=30	Pass
			2	22.96	-0.31	22.65	<=30	Pass
			3	22.95	-0.31	22.64	<=30	Pass
		6	0	21.99	-0.31	21.68	<=30	Pass
	1732.5	1	0	22.80	-0.31	22.49	<=30	Pass
			2	22.89	-0.31	22.58	<=30	Pass
			5	22.81	-0.31	22.50	<=30	Pass
		3	0	22.92	-0.31	22.61	<=30	Pass
			2	22.94	-0.31	22.63	<=30	Pass
			3	22.93	-0.31	22.62	<=30	Pass
		6	0	21.90	-0.31	21.59	<=30	Pass
	1754.3	1	0	22.76	-0.31	22.45	<=30	Pass
			2	22.82	-0.31	22.51	<=30	Pass
			5	22.73	-0.31	22.42	<=30	Pass
		3	0	22.79	-0.31	22.48	<=30	Pass
			2	22.81	-0.31	22.50	<=30	Pass
			3	22.74	-0.31	22.43	<=30	Pass
		6	0	21.83	-0.31	21.52	<=30	Pass
16QAM	1710.7	1	0	21.82	-0.31	21.51	<=30	Pass
			2	21.87	-0.31	21.56	<=30	Pass
			5	21.90	-0.31	21.59	<=30	Pass
		3	0	21.96	-0.31	21.65	<=30	Pass
			2	21.98	-0.31	21.67	<=30	Pass
			3	21.97	-0.31	21.66	<=30	Pass
		6	0	20.83	-0.31	20.52	<=30	Pass
	1732.5	1	0	22.00	-0.31	21.69	<=30	Pass
			2	22.10	-0.31	21.79	<=30	Pass
			5	21.97	-0.31	21.66	<=30	Pass
		3	0	21.93	-0.31	21.62	<=30	Pass
			2	21.94	-0.31	21.63	<=30	Pass
			3	21.93	-0.31	21.62	<=30	Pass
		6	0	20.91	-0.31	20.60	<=30	Pass
	1754.3	1	0	21.64	-0.31	21.33	<=30	Pass
			2	21.73	-0.31	21.42	<=30	Pass
			5	21.64	-0.31	21.33	<=30	Pass
		3	0	21.95	-0.31	21.64	<=30	Pass
			2	21.98	-0.31	21.67	<=30	Pass
			3	21.96	-0.31	21.65	<=30	Pass
		6	0	20.72	-0.31	20.41	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B4_3MHz_EIRP

Band: 4 / Bandwidth: 3MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	23.14	-0.31	22.83	<=30	Pass
			7	23.22	-0.31	22.91	<=30	Pass
			14	23.06	-0.31	22.75	<=30	Pass
		8	0	22.08	-0.31	21.77	<=30	Pass
			4	22.09	-0.31	21.78	<=30	Pass
			7	22.04	-0.31	21.73	<=30	Pass
		15	0	22.01	-0.31	21.70	<=30	Pass
	1732.5	1	0	22.92	-0.31	22.61	<=30	Pass
			7	23.08	-0.31	22.77	<=30	Pass
			14	22.91	-0.31	22.60	<=30	Pass
		8	0	21.99	-0.31	21.68	<=30	Pass
			4	22.02	-0.31	21.71	<=30	Pass
			7	21.99	-0.31	21.68	<=30	Pass
		15	0	21.97	-0.31	21.66	<=30	Pass
	1753.5	1	0	22.91	-0.31	22.60	<=30	Pass
			7	23.00	-0.31	22.69	<=30	Pass
			14	22.80	-0.31	22.49	<=30	Pass
		8	0	21.91	-0.31	21.60	<=30	Pass
			4	21.92	-0.31	21.61	<=30	Pass
			7	21.89	-0.31	21.58	<=30	Pass
		15	0	21.84	-0.31	21.53	<=30	Pass
16QAM	1711.5	1	0	22.00	-0.31	21.69	<=30	Pass
			7	22.14	-0.31	21.83	<=30	Pass
			14	22.01	-0.31	21.70	<=30	Pass
		8	0	21.07	-0.31	20.76	<=30	Pass
			4	21.10	-0.31	20.79	<=30	Pass
			7	21.06	-0.31	20.75	<=30	Pass
		15	0	21.02	-0.31	20.71	<=30	Pass
	1732.5	1	0	22.15	-0.31	21.84	<=30	Pass
			7	22.27	-0.31	21.96	<=30	Pass
			14	22.11	-0.31	21.80	<=30	Pass
		8	0	20.95	-0.31	20.64	<=30	Pass
			4	20.99	-0.31	20.68	<=30	Pass
			7	20.93	-0.31	20.62	<=30	Pass
		15	0	20.93	-0.31	20.62	<=30	Pass
	1753.5	1	0	22.22	-0.31	21.91	<=30	Pass
			7	22.37	-0.31	22.06	<=30	Pass
			14	22.20	-0.31	21.89	<=30	Pass
		8	0	20.98	-0.31	20.67	<=30	Pass
			4	21.01	-0.31	20.70	<=30	Pass
			7	20.98	-0.31	20.67	<=30	Pass
		15	0	20.87	-0.31	20.56	<=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	22.89	-0.31	22.58	<=30	Pass
			13	23.02	-0.31	22.71	<=30	Pass
			24	22.87	-0.31	22.56	<=30	Pass
		12	0	21.92	-0.31	21.61	<=30	Pass
			6	21.97	-0.31	21.66	<=30	Pass
			13	21.89	-0.31	21.58	<=30	Pass

16QAM	1732.5	25	0	21.92	-0.31	21.61	<=30	Pass
			0	22.83	-0.31	22.52	<=30	Pass
			13	22.90	-0.31	22.59	<=30	Pass
			24	22.78	-0.31	22.47	<=30	Pass
		12	0	21.85	-0.31	21.54	<=30	Pass
			6	21.92	-0.31	21.61	<=30	Pass
			13	21.88	-0.31	21.57	<=30	Pass
			25	21.89	-0.31	21.58	<=30	Pass
		1	0	22.72	-0.31	22.41	<=30	Pass
			13	22.81	-0.31	22.50	<=30	Pass
			24	22.66	-0.31	22.35	<=30	Pass
			0	21.76	-0.31	21.45	<=30	Pass
			6	21.80	-0.31	21.49	<=30	Pass
			13	21.69	-0.31	21.38	<=30	Pass
			25	21.75	-0.31	21.44	<=30	Pass
			0	21.91	-0.31	21.60	<=30	Pass
16QAM	1712.5	1	13	22.04	-0.31	21.73	<=30	Pass
			24	21.95	-0.31	21.64	<=30	Pass
			0	20.92	-0.31	20.61	<=30	Pass
			6	20.93	-0.31	20.62	<=30	Pass
		12	13	20.93	-0.31	20.62	<=30	Pass
			0	20.92	-0.31	20.61	<=30	Pass
			0	22.11	-0.31	21.80	<=30	Pass
			13	22.16	-0.31	21.85	<=30	Pass
		25	24	22.05	-0.31	21.74	<=30	Pass
			0	20.91	-0.31	20.60	<=30	Pass
			6	20.98	-0.31	20.67	<=30	Pass
			13	20.97	-0.31	20.66	<=30	Pass
16QAM	1732.5	1	0	20.89	-0.31	20.58	<=30	Pass
			0	21.47	-0.31	21.16	<=30	Pass
			13	21.53	-0.31	21.22	<=30	Pass
			24	21.46	-0.31	21.15	<=30	Pass
		12	0	20.74	-0.31	20.43	<=30	Pass
			6	20.77	-0.31	20.46	<=30	Pass
			13	20.68	-0.31	20.37	<=30	Pass
			25	20.73	-0.31	20.42	<=30	Pass
		1	0	20.92	-0.31	20.61	<=30	Pass
			0	22.11	-0.31	21.80	<=30	Pass
			13	22.16	-0.31	21.85	<=30	Pass
			24	22.05	-0.31	21.74	<=30	Pass
			0	20.91	-0.31	20.60	<=30	Pass
			6	20.98	-0.31	20.67	<=30	Pass
			13	20.97	-0.31	20.66	<=30	Pass
			25	20.89	-0.31	20.58	<=30	Pass
	1752.5	1	0	21.47	-0.31	21.16	<=30	Pass
			13	21.53	-0.31	21.22	<=30	Pass
			24	21.46	-0.31	21.15	<=30	Pass
			0	20.74	-0.31	20.43	<=30	Pass
		12	6	20.77	-0.31	20.46	<=30	Pass
			13	20.68	-0.31	20.37	<=30	Pass
			25	20.73	-0.31	20.42	<=30	Pass
			0	20.92	-0.31	20.61	<=30	Pass
			0	22.11	-0.31	21.80	<=30	Pass
			13	22.16	-0.31	21.85	<=30	Pass
			24	22.05	-0.31	21.74	<=30	Pass
			0	20.91	-0.31	20.60	<=30	Pass
			6	20.98	-0.31	20.67	<=30	Pass
			13	20.97	-0.31	20.66	<=30	Pass
			25	20.89	-0.31	20.58	<=30	Pass
		25	0	20.89	-0.31	20.58	<=30	Pass
			0	21.47	-0.31	21.16	<=30	Pass
			13	21.53	-0.31	21.22	<=30	Pass
			24	21.46	-0.31	21.15	<=30	Pass
		12	0	20.74	-0.31	20.43	<=30	Pass
			6	20.77	-0.31	20.46	<=30	Pass
			13	20.68	-0.31	20.37	<=30	Pass
			25	20.73	-0.31	20.42	<=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	22.99	-0.31	22.68	<=30	Pass
			25	23.16	-0.31	22.85	<=30	Pass
			49	22.95	-0.31	22.64	<=30	Pass
		25	0	22.04	-0.31	21.73	<=30	Pass
			13	22.04	-0.31	21.73	<=30	Pass
			25	22.02	-0.31	21.71	<=30	Pass
		50	0	22.05	-0.31	21.74	<=30	Pass
			0	22.90	-0.31	22.59	<=30	Pass
	1732.5	1	25	23.07	-0.31	22.76	<=30	Pass
			49	22.81	-0.31	22.50	<=30	Pass
			0	21.92	-0.31	21.61	<=30	Pass
		25	13	21.98	-0.31	21.67	<=30	Pass
			25	22.01	-0.31	21.70	<=30	Pass
			0	21.99	-0.31	21.68	<=30	Pass
		50	0	21.99	-0.31	21.68	<=30	Pass
			0	21.99	-0.31	21.68	<=30	Pass

16QAM	1750	1	0	22.83	-0.31	22.52	<=30	Pass
			25	23.10	-0.31	22.79	<=30	Pass
			49	22.70	-0.31	22.39	<=30	Pass
		25	0	21.87	-0.31	21.56	<=30	Pass
			13	21.82	-0.31	21.51	<=30	Pass
			25	21.73	-0.31	21.42	<=30	Pass
		50	0	21.82	-0.31	21.51	<=30	Pass
	1715	1	0	21.89	-0.31	21.58	<=30	Pass
			25	22.12	-0.31	21.81	<=30	Pass
			49	21.94	-0.31	21.63	<=30	Pass
		25	0	21.11	-0.31	20.80	<=30	Pass
			13	21.09	-0.31	20.78	<=30	Pass
			25	21.10	-0.31	20.79	<=30	Pass
		50	0	21.06	-0.31	20.75	<=30	Pass
	1732.5	1	0	22.10	-0.31	21.79	<=30	Pass
			25	22.25	-0.31	21.94	<=30	Pass
			49	21.94	-0.31	21.63	<=30	Pass
		25	0	20.95	-0.31	20.64	<=30	Pass
			13	21.00	-0.31	20.69	<=30	Pass
			25	21.04	-0.31	20.73	<=30	Pass
		50	0	21.00	-0.31	20.69	<=30	Pass
	1750	1	0	22.15	-0.31	21.84	<=30	Pass
			25	22.35	-0.31	22.04	<=30	Pass
			49	22.14	-0.31	21.83	<=30	Pass
		25	0	20.89	-0.31	20.58	<=30	Pass
			13	20.82	-0.31	20.51	<=30	Pass
			25	20.74	-0.31	20.43	<=30	Pass
		50	0	20.79	-0.31	20.48	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.79	-0.31	22.48	<=30	Pass
			38	22.95	-0.31	22.64	<=30	Pass
			74	22.69	-0.31	22.38	<=30	Pass
		36	0	22.05	-0.31	21.74	<=30	Pass
			18	22.01	-0.31	21.70	<=30	Pass
			39	21.94	-0.31	21.63	<=30	Pass
		75	0	22.01	-0.31	21.70	<=30	Pass
	1732.5	1	0	22.77	-0.31	22.46	<=30	Pass
			38	22.88	-0.31	22.57	<=30	Pass
			74	22.65	-0.31	22.34	<=30	Pass
		36	0	21.88	-0.31	21.57	<=30	Pass
			18	21.94	-0.31	21.63	<=30	Pass
			39	22.00	-0.31	21.69	<=30	Pass
		75	0	21.92	-0.31	21.61	<=30	Pass
	1747.5	1	0	22.65	-0.31	22.34	<=30	Pass
			38	22.90	-0.31	22.59	<=30	Pass
			74	22.55	-0.31	22.24	<=30	Pass
		36	0	22.52	-0.31	22.21	<=30	Pass
			18	22.59	-0.31	22.28	<=30	Pass
			39	22.43	-0.31	22.12	<=30	Pass
		75	0	22.52	-0.31	22.21	<=30	Pass
16QAM	1717.5	1	0	22.01	-0.31	21.70	<=30	Pass

	1732.5	36	38	22.32	-0.31	22.01	<=30	Pass
			74	22.13	-0.31	21.82	<=30	Pass
			0	20.98	-0.31	20.67	<=30	Pass
			18	20.98	-0.31	20.67	<=30	Pass
			39	20.95	-0.31	20.64	<=30	Pass
			75	0	-0.31	20.66	<=30	Pass
		1	0	21.94	-0.31	21.63	<=30	Pass
			38	22.04	-0.31	21.73	<=30	Pass
			74	21.77	-0.31	21.46	<=30	Pass
			0	20.89	-0.31	20.58	<=30	Pass
			18	20.95	-0.31	20.64	<=30	Pass
			39	20.95	-0.31	20.64	<=30	Pass
	1747.5	75	0	20.90	-0.31	20.59	<=30	Pass
			0	22.27	-0.31	21.96	<=30	Pass
			38	22.47	-0.31	22.16	<=30	Pass
			74	22.21	-0.31	21.90	<=30	Pass
			0	21.42	-0.31	21.11	<=30	Pass
			18	21.45	-0.31	21.14	<=30	Pass
		36	39	21.32	-0.31	21.01	<=30	Pass
			0	21.41	-0.31	21.10	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.21	-0.31	22.90	<=30	Pass
			50	23.64	-0.31	23.33	<=30	Pass
			99	23.12	-0.31	22.81	<=30	Pass
		50	0	22.58	-0.31	22.27	<=30	Pass
			25	22.56	-0.31	22.25	<=30	Pass
			50	22.60	-0.31	22.29	<=30	Pass
		100	0	22.59	-0.31	22.28	<=30	Pass
			0	23.20	-0.31	22.89	<=30	Pass
			50	23.61	-0.31	23.30	<=30	Pass
		1	99	23.14	-0.31	22.83	<=30	Pass
			0	22.39	-0.31	22.08	<=30	Pass
			25	22.47	-0.31	22.16	<=30	Pass
QPSK	1732.5	50	50	22.51	-0.31	22.20	<=30	Pass
			0	22.44	-0.31	22.13	<=30	Pass
		100	0	23.04	-0.31	22.73	<=30	Pass
			50	23.61	-0.31	23.30	<=30	Pass
			99	23.04	-0.31	22.73	<=30	Pass
		1	0	22.30	-0.31	21.99	<=30	Pass
			25	22.30	-0.31	21.99	<=30	Pass
			50	22.17	-0.31	21.86	<=30	Pass
		50	0	22.23	-0.31	21.92	<=30	Pass
			0	22.59	-0.31	22.28	<=30	Pass
			50	23.17	-0.31	22.86	<=30	Pass
		1	99	22.68	-0.31	22.37	<=30	Pass
16QAM	1720	50	0	21.58	-0.31	21.27	<=30	Pass
			25	21.54	-0.31	21.23	<=30	Pass
			50	21.59	-0.31	21.28	<=30	Pass
		100	0	21.62	-0.31	21.31	<=30	Pass
			0	22.40	-0.31	22.09	<=30	Pass
			50	22.71	-0.31	22.40	<=30	Pass

		50	99	22.15	-0.31	21.84	<=30	Pass
			0	21.43	-0.31	21.12	<=30	Pass
			25	21.47	-0.31	21.16	<=30	Pass
			50	21.53	-0.31	21.22	<=30	Pass
	1745	100	0	21.47	-0.31	21.16	<=30	Pass
			0	22.25	-0.31	21.94	<=30	Pass
			50	22.65	-0.31	22.34	<=30	Pass
		1	99	22.16	-0.31	21.85	<=30	Pass
			0	21.27	-0.31	20.96	<=30	Pass
			25	21.29	-0.31	20.98	<=30	Pass
		50	50	21.16	-0.31	20.85	<=30	Pass
			100	21.22	-0.31	20.91	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.27	-18.969	-0.0111	-2.5 to 2.5	Pass
					3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.519	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-0.057	0.0000	-2.5 to 2.5	Pass
				-20	3.85	0.343	0.0002	-2.5 to 2.5	Pass
				-10	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
				0	3.85	3.147	0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-4.563	-0.0027	-2.5 to 2.5	Pass
				40	3.85	4.263	0.0025	-2.5 to 2.5	Pass
				50	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-1.202	-0.0007	-2.5 to 2.5	Pass
					3.85	-0.129	-0.0001	-2.5 to 2.5	Pass
					4.43	-12.116	-0.0070	-2.5 to 2.5	Pass
				-30	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-3.147	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-10.285	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
				10	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				30	3.85	-11.444	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-11.101	-0.0064	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-13.547	-0.0077	-2.5 to 2.5	Pass
					3.85	-5.264	-0.0030	-2.5 to 2.5	Pass
					4.43	9.484	0.0054	-2.5 to 2.5	Pass
				-30	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-12.102	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	5.522	0.0031	-2.5 to 2.5	Pass
				0	3.85	-8.454	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-15.864	-0.0090	-2.5 to 2.5	Pass
				30	3.85	-13.075	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-12.059	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	1.702	0.0010	-2.5 to 2.5	Pass
					3.85	3.433	0.0020	-2.5 to 2.5	Pass
					4.43	-4.234	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-0.558	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-3.877	-0.0023	-2.5 to 2.5	Pass
				10	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				30	3.85	-5.150	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-6.866	-0.0040	-2.5 to 2.5	Pass
					3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
					4.43	-12.431	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-12.760	-0.0074	-2.5 to 2.5	Pass
				-10	3.85	-13.633	-0.0079	-2.5 to 2.5	Pass
				0	3.85	-12.131	-0.0070	-2.5 to 2.5	Pass
				10	3.85	-17.309	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-10.614	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-10.629	-0.0061	-2.5 to 2.5	Pass
				50	3.85	6.051	0.0035	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	3.376	0.0019	-2.5 to 2.5	Pass
					3.85	-11.644	-0.0066	-2.5 to 2.5	Pass
					4.43	-11.358	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	5.322	0.0030	-2.5 to 2.5	Pass
				-20	3.85	2.732	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-9.413	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-5.994	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				40	3.85	-7.882	-0.0045	-2.5 to 2.5	Pass
				50	3.85	0.129	0.0001	-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	-3.934	-0.0023	-2.5 to 2.5	Pass
					3.85	-5.078	-0.0030	-2.5 to 2.5	Pass
					4.43	-3.805	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.420	-0.0026	-2.5 to 2.5	Pass
				10	3.85	1.087	0.0006	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-10.386	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-12.689	-0.0073	-2.5 to 2.5	Pass
					3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
					4.43	-2.561	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-6.366	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	-10.686	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-0.901	-0.0005	-2.5 to 2.5	Pass
				0	3.85	8.926	0.0052	-2.5 to 2.5	Pass

16QAM	1753.5	15	0	10	3.85	3.476	0.0020	-2.5 to 2.5	Pass
				30	3.85	-6.051	-0.0035	-2.5 to 2.5	Pass
				40	3.85	-2.933	-0.0017	-2.5 to 2.5	Pass
				50	3.85	4.163	0.0024	-2.5 to 2.5	Pass
	1711.5	15	0	20	3.27	-17.953	-0.0102	-2.5 to 2.5	Pass
					3.85	-13.962	-0.0080	-2.5 to 2.5	Pass
					4.43	4.520	0.0026	-2.5 to 2.5	Pass
				-30	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-16.122	-0.0092	-2.5 to 2.5	Pass
				-10	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				0	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				10	3.85	6.580	0.0038	-2.5 to 2.5	Pass
				30	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-5.965	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-0.157	-0.0001	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-0.029	0.0000	-2.5 to 2.5	Pass
					3.85	-3.519	-0.0021	-2.5 to 2.5	Pass
					4.43	-4.320	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-6.466	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-11.873	-0.0069	-2.5 to 2.5	Pass
				-10	3.85	-8.225	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-5.422	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-11.559	-0.0068	-2.5 to 2.5	Pass
				30	3.85	-4.764	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-6.123	-0.0036	-2.5 to 2.5	Pass
				50	3.85	2.303	0.0013	-2.5 to 2.5	Pass
				20	3.27	-4.277	-0.0025	-2.5 to 2.5	Pass
					3.85	-7.896	-0.0046	-2.5 to 2.5	Pass
					4.43	-1.802	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-9.971	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-9.499	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-17.896	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-6.309	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass
				40	3.85	4.492	0.0026	-2.5 to 2.5	Pass
				50	3.85	-10.071	-0.0058	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-5.550	-0.0032	-2.5 to 2.5	Pass
					3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
					4.43	1.531	0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.300	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-4.148	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.693	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-2.303	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-1.717	-0.0010	-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	-10.099	-0.0059	-2.5 to 2.5	Pass
					3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
					4.43	-5.736	-0.0033	-2.5 to 2.5	Pass

				-30	3.85	-1.631	-0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.332	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				0	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-3.018	-0.0018	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-4.807	-0.0028	-2.5 to 2.5	Pass
					3.85	-6.537	-0.0038	-2.5 to 2.5	Pass
					4.43	-14.405	-0.0083	-2.5 to 2.5	Pass
				-30	3.85	-11.187	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	3.605	0.0021	-2.5 to 2.5	Pass
				0	3.85	-7.238	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-5.822	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-4.120	-0.0024	-2.5 to 2.5	Pass
				40	3.85	2.904	0.0017	-2.5 to 2.5	Pass
				50	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-16.379	-0.0093	-2.5 to 2.5	Pass
					3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
					4.43	-3.390	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-9.913	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-13.905	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-10.371	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-3.018	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.190	-0.0019	-2.5 to 2.5	Pass
					4.43	3.591	0.0021	-2.5 to 2.5	Pass
				-30	3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-6.108	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-9.298	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-10.157	-0.0059	-2.5 to 2.5	Pass
				10	3.85	1.445	0.0008	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-3.977	-0.0023	-2.5 to 2.5	Pass
					3.85	0.086	0.0000	-2.5 to 2.5	Pass
					4.43	-9.055	-0.0052	-2.5 to 2.5	Pass
				-30	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-5.493	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				0	3.85	3.347	0.0019	-2.5 to 2.5	Pass
				10	3.85	-8.154	-0.0047	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-3.018	-0.0017	-2.5 to 2.5	Pass
					3.85	-6.909	-0.0039	-2.5 to 2.5	Pass
					4.43	-11.816	-0.0067	-2.5 to 2.5	Pass
				-30	3.85	-7.224	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-13.919	-0.0079	-2.5 to 2.5	Pass
				-10	3.85	-11.516	-0.0066	-2.5 to 2.5	Pass
				0	3.85	-8.669	-0.0049	-2.5 to 2.5	Pass

				10	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.819	-0.0022	-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	-8.798	-0.0051	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0033	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0006	-2.5 to 2.5	Pass
				-20	3.85	-8.383	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-8.912	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-8.969	-0.0052	-2.5 to 2.5	Pass
				10	3.85	-1.788	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-6.280	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-11.101	-0.0065	-2.5 to 2.5	Pass
				50	3.85	-8.082	-0.0047	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-6.151	-0.0036	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
					4.43	-3.333	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-6.309	-0.0036	-2.5 to 2.5	Pass
				-20	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				0	3.85	-3.076	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				50	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-8.354	-0.0048	-2.5 to 2.5	Pass
					3.85	0.229	0.0001	-2.5 to 2.5	Pass
					4.43	2.046	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-4.635	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-2.403	-0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				10	3.85	-4.578	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.379	-0.0031	-2.5 to 2.5	Pass
				40	3.85	-5.178	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-3.104	-0.0018	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-0.186	-0.0001	-2.5 to 2.5	Pass
					3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
					4.43	-7.625	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-8.483	-0.0049	-2.5 to 2.5	Pass
				-20	3.85	-4.320	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-10.986	-0.0064	-2.5 to 2.5	Pass
				0	3.85	-10.943	-0.0064	-2.5 to 2.5	Pass
				10	3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-5.422	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.802	-0.0011	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0002	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-1.559	-0.0009	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
					4.43	-0.615	-0.0004	-2.5 to 2.5	Pass

				-30	3.85	-2.675	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-9.484	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-0.858	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-12.088	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-8.368	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-1.659	-0.0009	-2.5 to 2.5	Pass
					3.85	-14.148	-0.0081	-2.5 to 2.5	Pass
					4.43	-13.118	-0.0075	-2.5 to 2.5	Pass
				-30	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-10.343	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-16.065	-0.0092	-2.5 to 2.5	Pass
				0	3.85	-6.008	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				40	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				50	3.85	0.272	0.0002	-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	-6.208	-0.0036	-2.5 to 2.5	Pass
					3.85	-5.736	-0.0033	-2.5 to 2.5	Pass
					4.43	-6.752	-0.0039	-2.5 to 2.5	Pass
				-30	3.85	-8.025	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-7.682	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				30	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-4.878	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-8.311	-0.0048	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-2.375	-0.0014	-2.5 to 2.5	Pass
					3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
					4.43	-6.065	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	-4.549	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.407	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-5.507	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-1.702	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-7.796	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-8.311	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-7.524	-0.0043	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-1.373	-0.0008	-2.5 to 2.5	Pass
					3.85	-4.821	-0.0028	-2.5 to 2.5	Pass
					4.43	-6.080	-0.0035	-2.5 to 2.5	Pass
				-30	3.85	2.146	0.0012	-2.5 to 2.5	Pass
				-20	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
				-10	3.85	-14.391	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-5.093	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.405	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-10.986	-0.0063	-2.5 to 2.5	Pass

16QAM	1717.5	75	0	50	3.85	-4.091	-0.0023	-2.5 to 2.5	Pass
				20	3.27	-5.207	-0.0030	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
					4.43	-5.779	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-4.978	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-4.005	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				10	3.85	-8.726	-0.0051	-2.5 to 2.5	Pass
				30	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
	1732.5	75	0	40	3.85	-10.114	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-7.839	-0.0046	-2.5 to 2.5	Pass
				20	3.27	-4.463	-0.0026	-2.5 to 2.5	Pass
					3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
					4.43	-3.190	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
				-10	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-8.268	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-3.319	-0.0019	-2.5 to 2.5	Pass
	1747.5	75	0	30	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
				50	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				20	3.27	-9.184	-0.0053	-2.5 to 2.5	Pass
					3.85	-10.328	-0.0059	-2.5 to 2.5	Pass
					4.43	-8.254	-0.0047	-2.5 to 2.5	Pass
				-30	3.85	-5.980	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-4.277	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-6.895	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-9.241	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-8.755	-0.0050	-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	-5.150	-0.0030	-2.5 to 2.5	Pass
					3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
					4.43	-4.406	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-7.110	-0.0041	-2.5 to 2.5	Pass
				-10	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-9.241	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				40	3.85	0.100	0.0001	-2.5 to 2.5	Pass
				50	3.85	-8.655	-0.0050	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-5.922	-0.0034	-2.5 to 2.5	Pass
					3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.047	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-6.866	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-5.808	-0.0034	-2.5 to 2.5	Pass

				0	3.85	-4.721	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.081	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-6.180	-0.0035	-2.5 to 2.5	Pass
					3.85	-6.580	-0.0038	-2.5 to 2.5	Pass
					4.43	-7.925	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	-9.542	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-4.020	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-3.734	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-7.582	-0.0044	-2.5 to 2.5	Pass
					3.85	-10.786	-0.0063	-2.5 to 2.5	Pass
					4.43	-7.753	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-8.039	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-8.955	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-5.250	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-10.443	-0.0061	-2.5 to 2.5	Pass
				30	3.85	-11.215	-0.0065	-2.5 to 2.5	Pass
				40	3.85	-5.164	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-11.787	-0.0069	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.034	-0.0023	-2.5 to 2.5	Pass
					3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
					4.43	-4.606	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-6.723	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-4.849	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-6.366	-0.0037	-2.5 to 2.5	Pass
				30	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				40	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-4.563	-0.0026	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.579	-0.0032	-2.5 to 2.5	Pass
					3.85	-9.427	-0.0054	-2.5 to 2.5	Pass
					4.43	-4.864	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-4.435	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-5.865	-0.0034	-2.5 to 2.5	Pass
				50	3.85	-6.180	-0.0035	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

3.1.2 B4_3MHz

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

3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

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

3.1.5 B4_15MHz

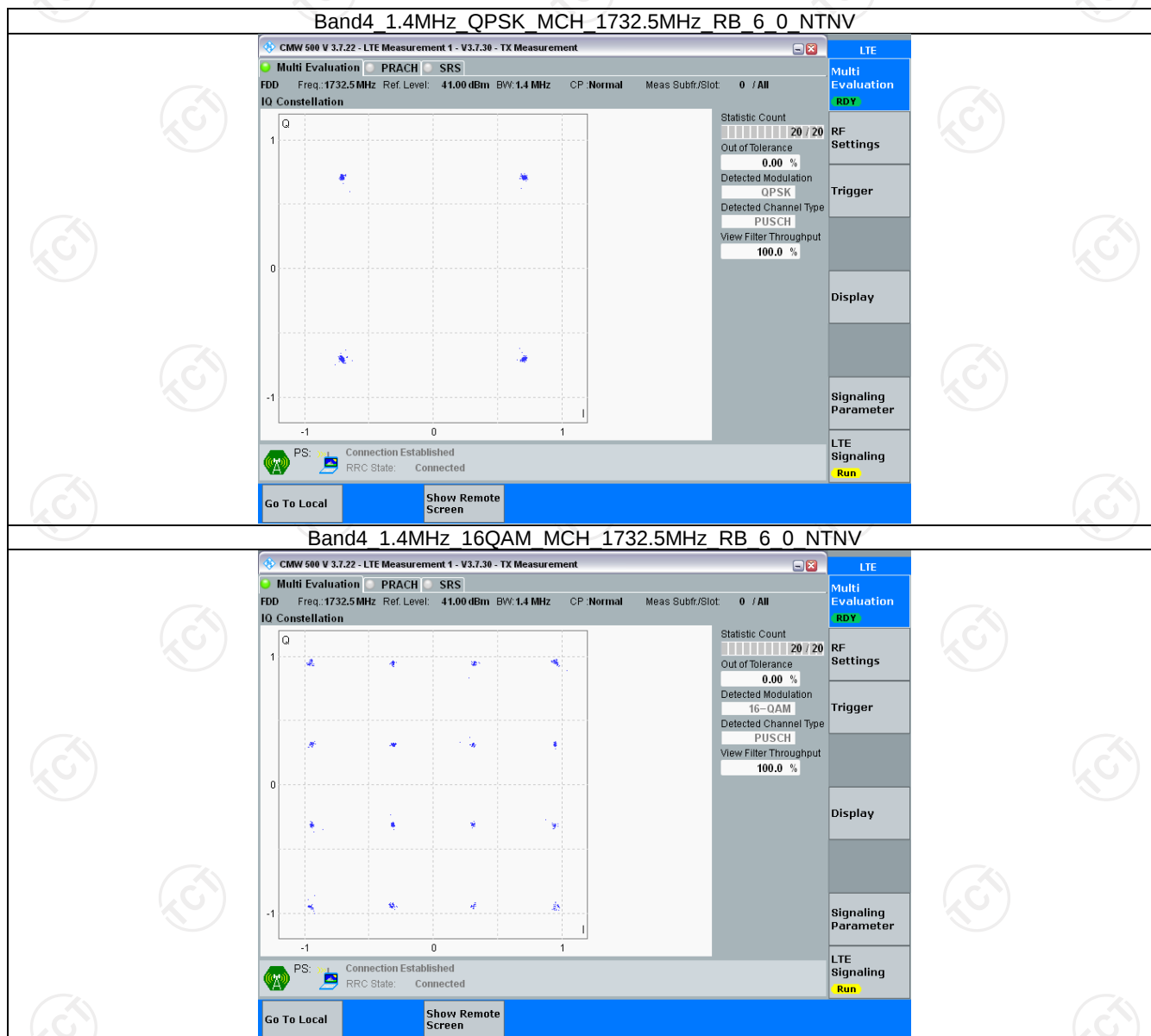
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

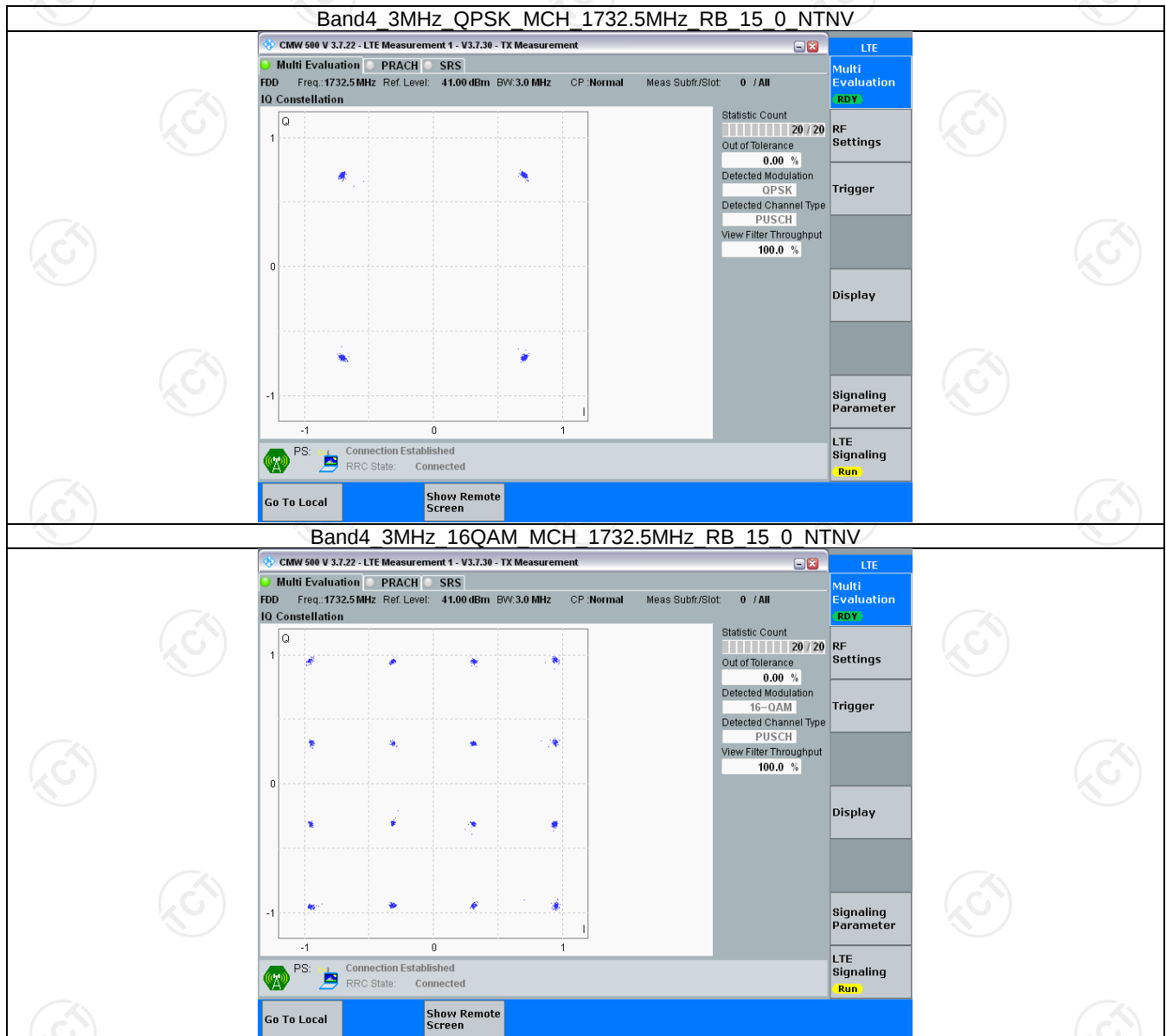
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

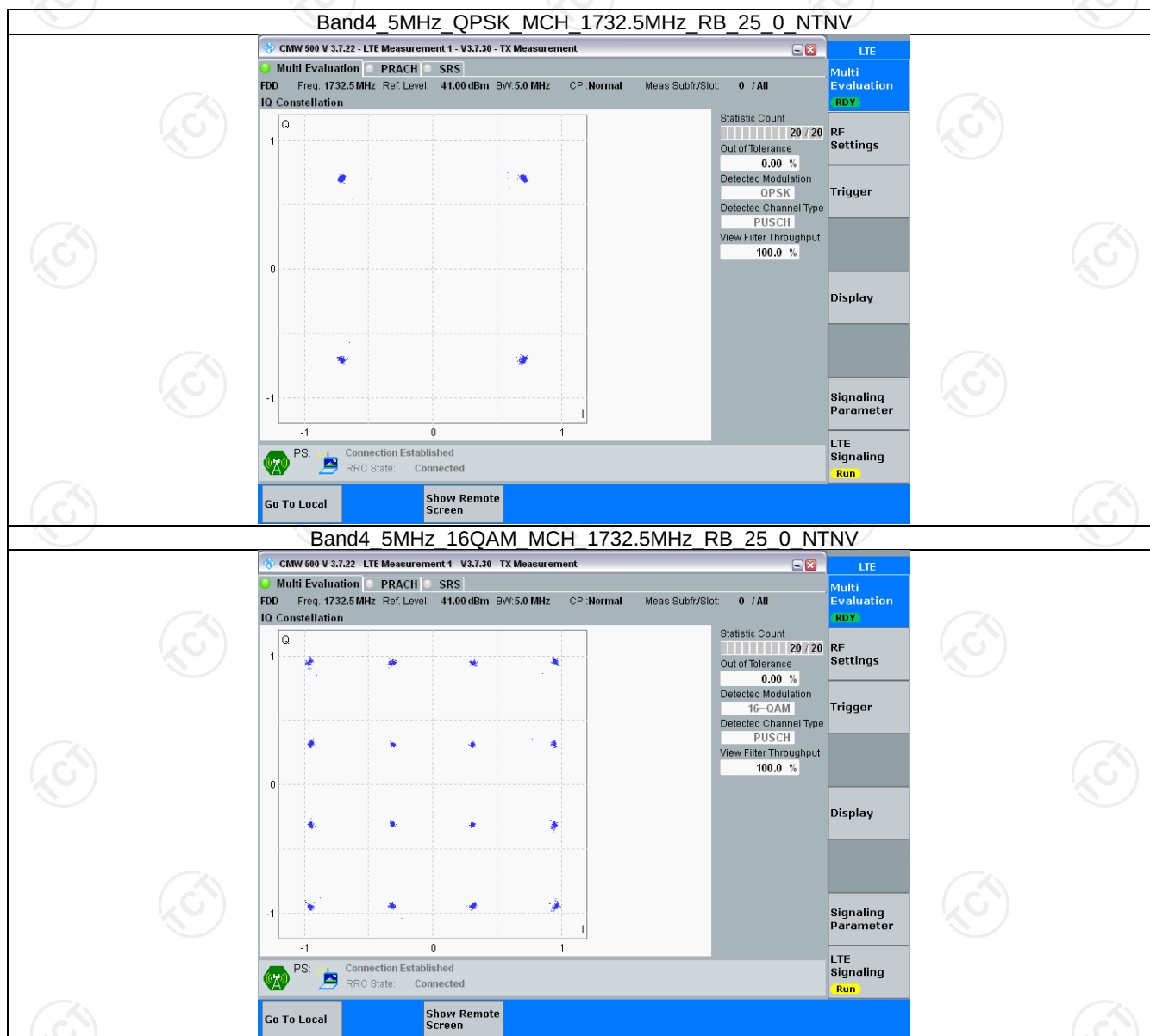
3.2.1 B4_1.4MHz



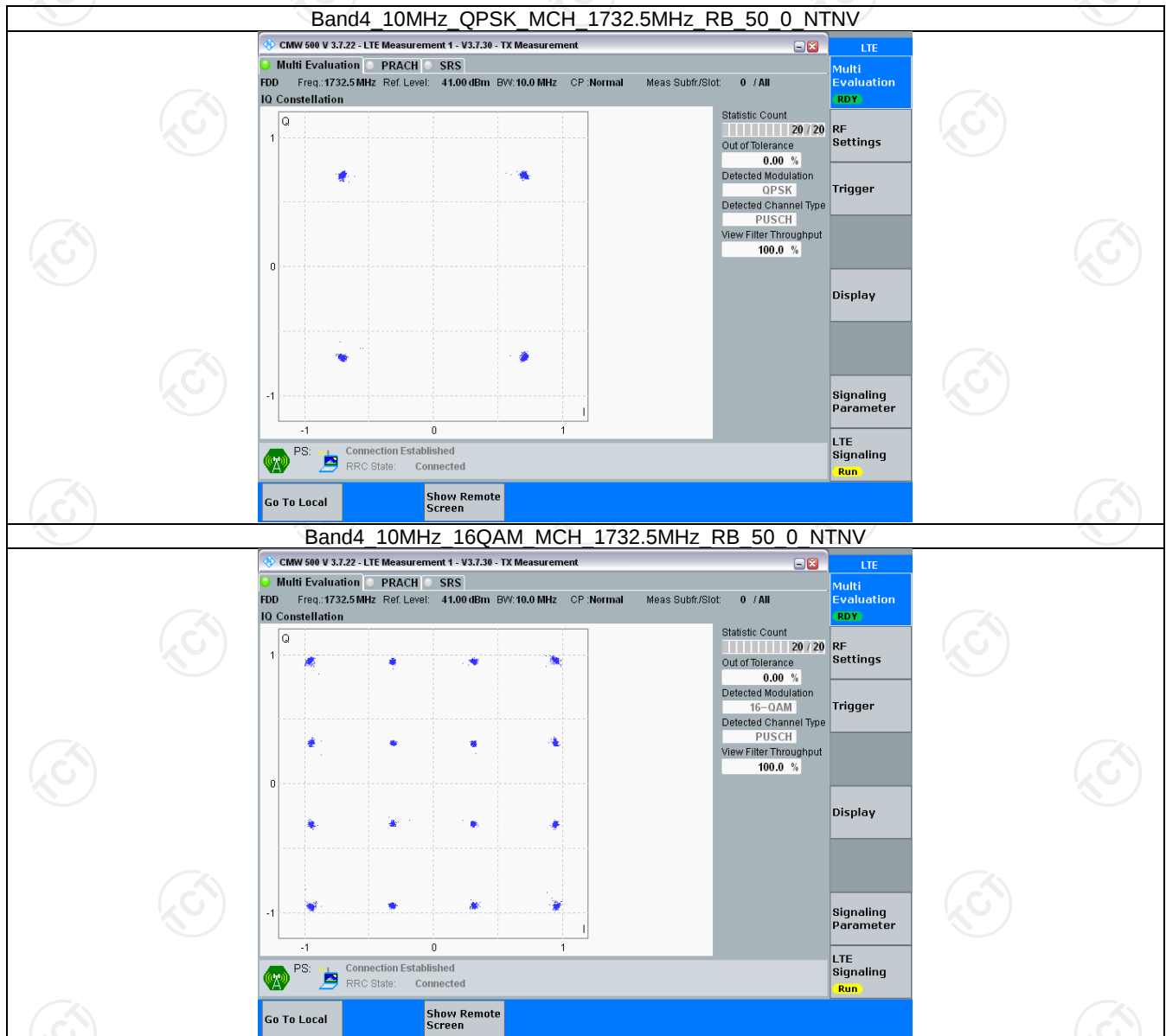
3.2.2 B4_3MHz



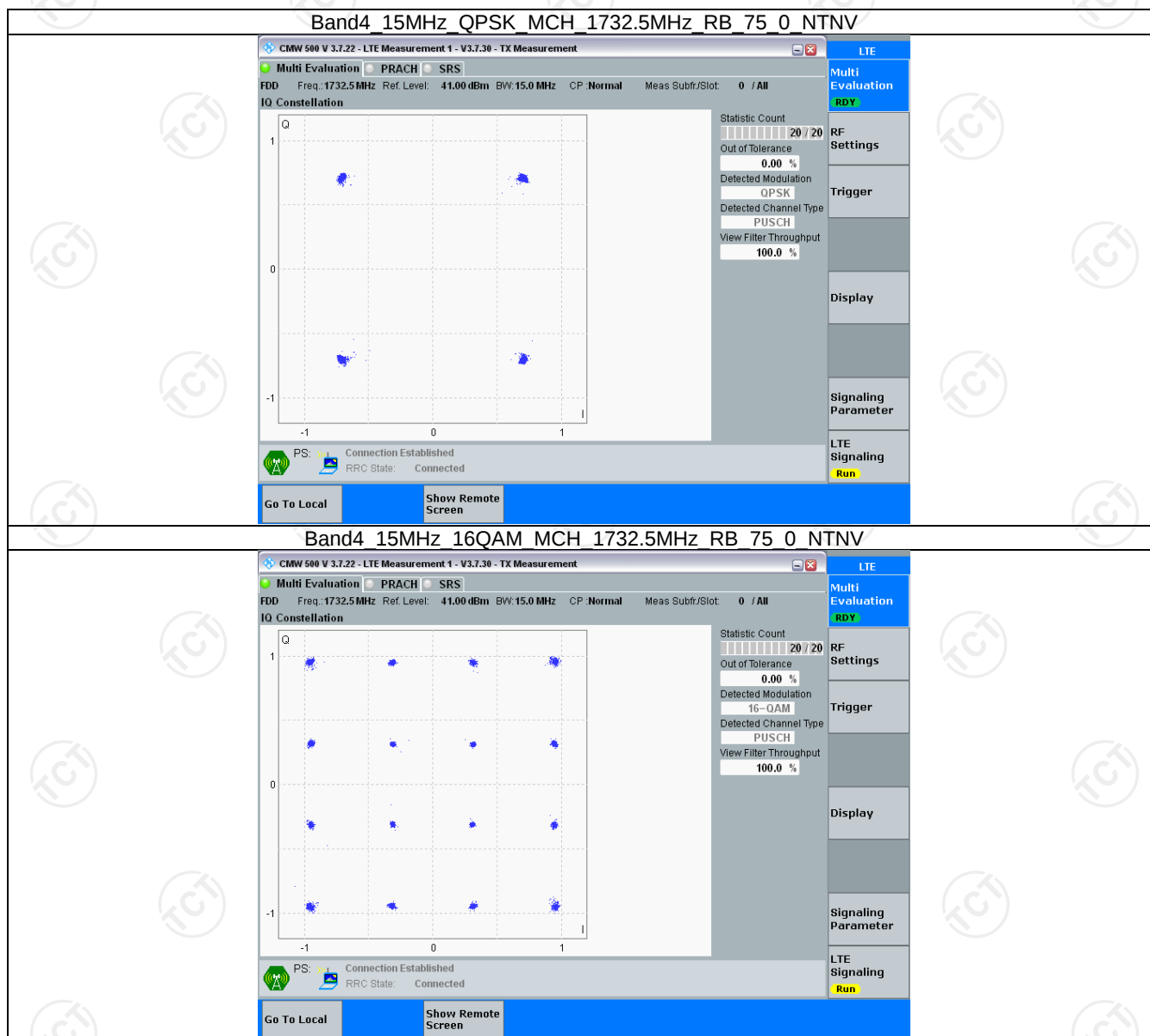
3.2.3 B4_5MHz



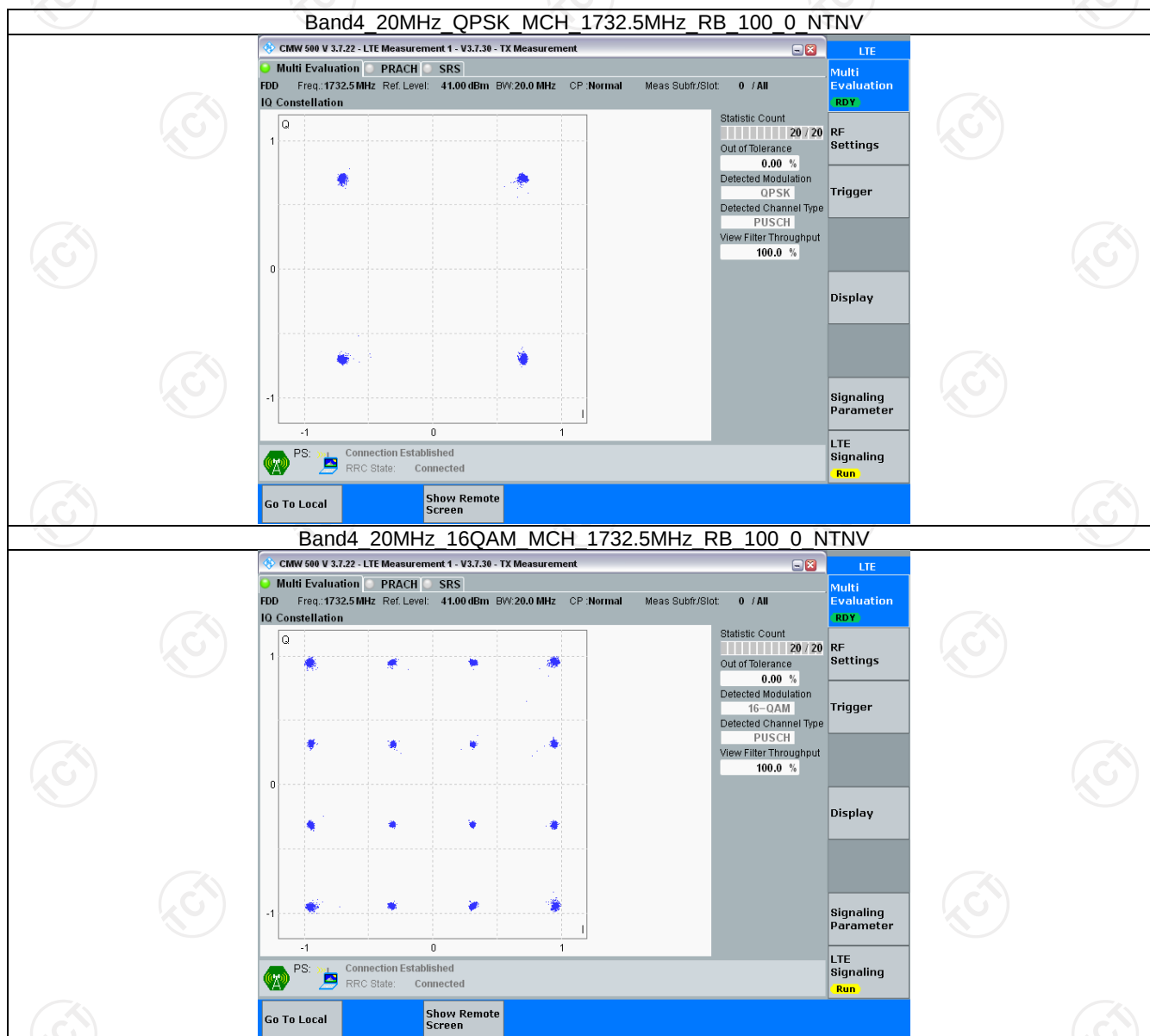
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.129	/	Pass
		1732.5	6	0	1.108	/	Pass
		1754.3	6	0	1.110	/	Pass
	16QAM	1710.7	6	0	1.119	/	Pass
		1732.5	6	0	1.110	/	Pass
		1754.3	6	0	1.122	/	Pass
3	QPSK	1711.5	15	0	2.748	/	Pass
		1732.5	15	0	2.719	/	Pass
		1753.5	15	0	2.740	/	Pass
	16QAM	1711.5	15	0	2.733	/	Pass
		1732.5	15	0	2.727	/	Pass
		1753.5	15	0	2.738	/	Pass
5	QPSK	1712.5	25	0	4.570	/	Pass
		1732.5	25	0	4.567	/	Pass
		1752.5	25	0	4.609	/	Pass
	16QAM	1712.5	25	0	4.622	/	Pass
		1732.5	25	0	4.583	/	Pass
		1752.5	25	0	4.602	/	Pass
10	QPSK	1715	50	0	9.140	/	Pass
		1732.5	50	0	9.095	/	Pass
		1750	50	0	9.108	/	Pass
	16QAM	1715	50	0	9.109	/	Pass
		1732.5	50	0	9.074	/	Pass
		1750	50	0	9.113	/	Pass
15	QPSK	1717.5	75	0	13.679	/	Pass
		1732.5	75	0	13.595	/	Pass
		1747.5	75	0	13.666	/	Pass
	16QAM	1717.5	75	0	13.700	/	Pass
		1732.5	75	0	13.591	/	Pass
		1747.5	75	0	13.655	/	Pass
20	QPSK	1720	100	0	18.263	/	Pass
		1732.5	100	0	18.117	/	Pass
		1745	100	0	18.160	/	Pass
	16QAM	1720	100	0	18.262	/	Pass
		1732.5	100	0	18.163	/	Pass
		1745	100	0	18.133	/	Pass

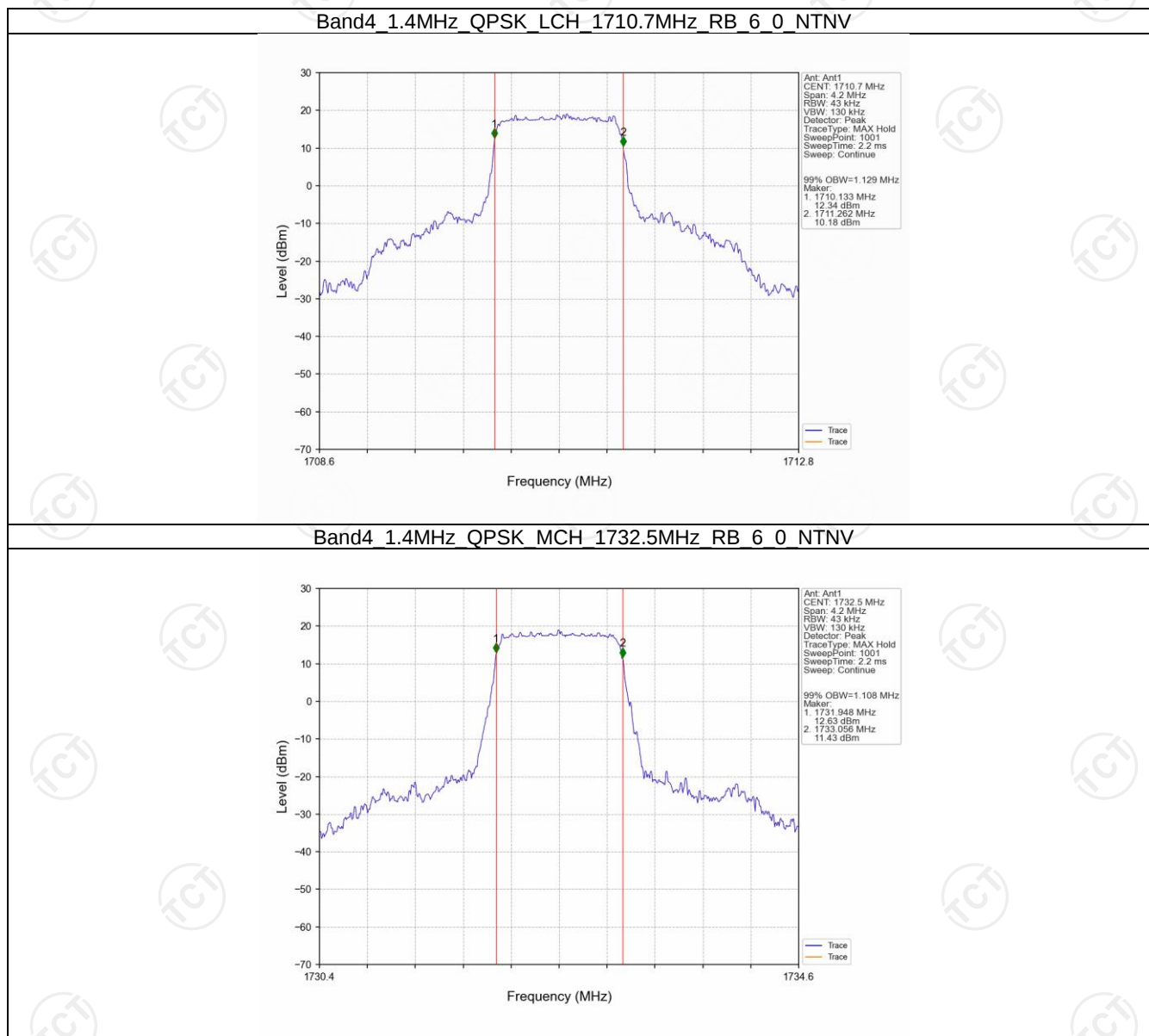
4.1.2 Band4_XDB

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	1.677	/	Pass
		1732.5	6	0	1.308	/	Pass
		1754.3	6	0	1.362	/	Pass

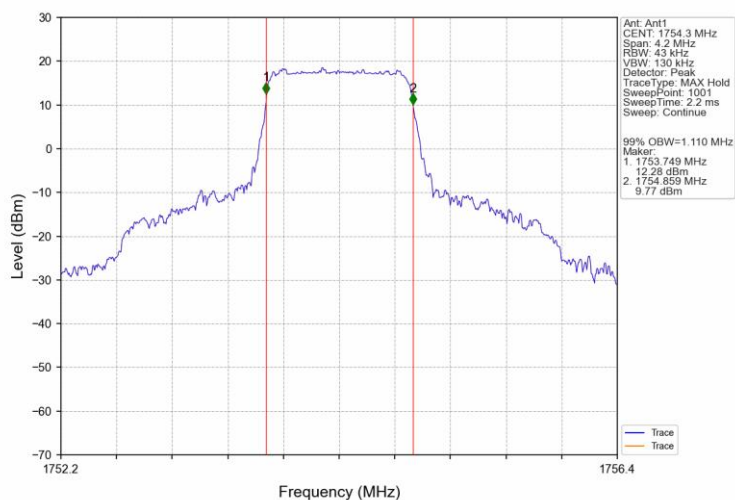
	16QAM	1710.7	6	0	1.362	/	Pass
		1732.5	6	0	1.305	/	Pass
		1754.3	6	0	1.332	/	Pass
3	QPSK	1711.5	15	0	3.042	/	Pass
		1732.5	15	0	2.986	/	Pass
		1753.5	15	0	3.011	/	Pass
	16QAM	1711.5	15	0	3.148	/	Pass
		1732.5	15	0	2.986	/	Pass
		1753.5	15	0	2.986	/	Pass
5	QPSK	1712.5	25	0	5.300	/	Pass
		1732.5	25	0	5.184	/	Pass
		1752.5	25	0	5.418	/	Pass
	16QAM	1712.5	25	0	5.347	/	Pass
		1732.5	25	0	5.313	/	Pass
		1752.5	25	0	5.461	/	Pass
10	QPSK	1715	50	0	10.199	/	Pass
		1732.5	50	0	10.334	/	Pass
		1750	50	0	11.128	/	Pass
	16QAM	1715	50	0	10.400	/	Pass
		1732.5	50	0	10.165	/	Pass
		1750	50	0	11.713	/	Pass
15	QPSK	1717.5	75	0	15.251	/	Pass
		1732.5	75	0	15.332	/	Pass
		1747.5	75	0	16.050	/	Pass
	16QAM	1717.5	75	0	15.352	/	Pass
		1732.5	75	0	15.256	/	Pass
		1747.5	75	0	16.579	/	Pass
20	QPSK	1720	100	0	20.369	/	Pass
		1732.5	100	0	20.120	/	Pass
		1745	100	0	19.911	/	Pass
	16QAM	1720	100	0	20.365	/	Pass
		1732.5	100	0	20.178	/	Pass
		1745	100	0	20.119	/	Pass

4.2 Test Graph

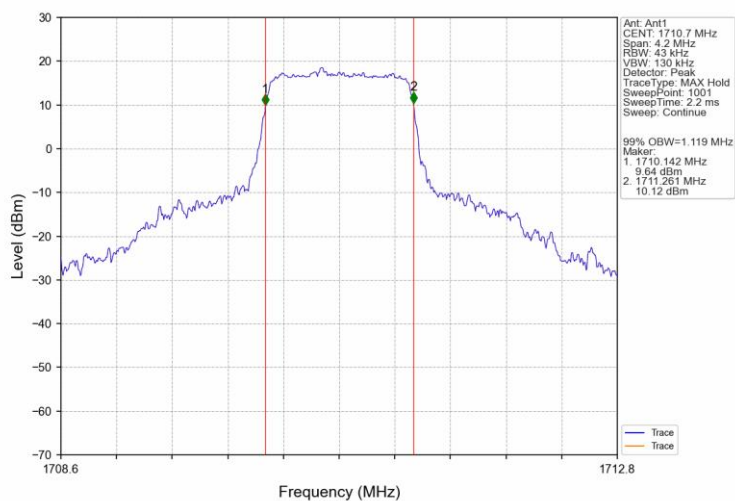
4.2.1 Band4_OBW



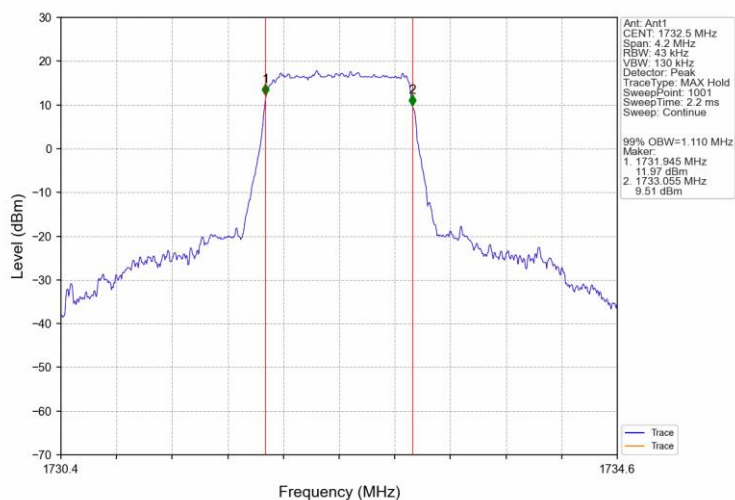
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



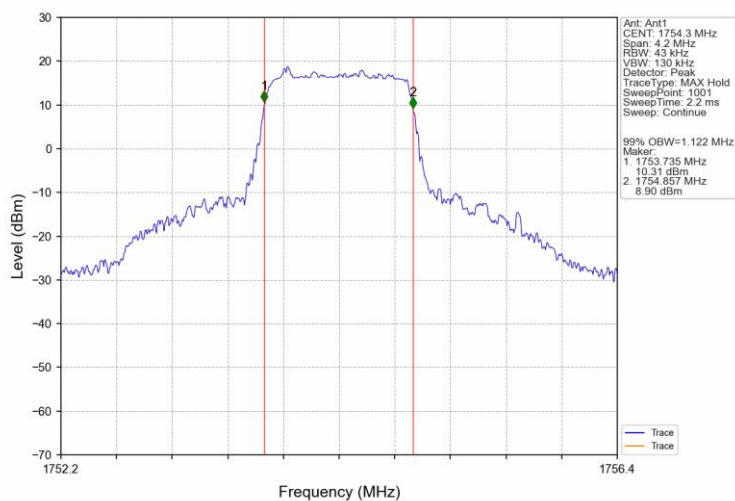
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



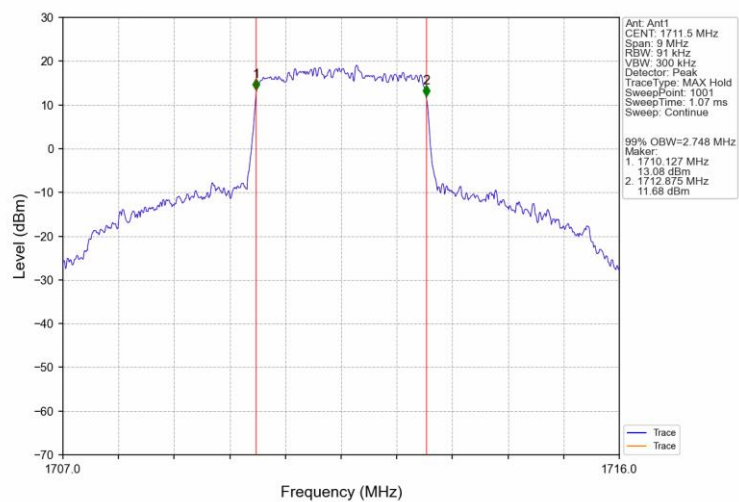
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



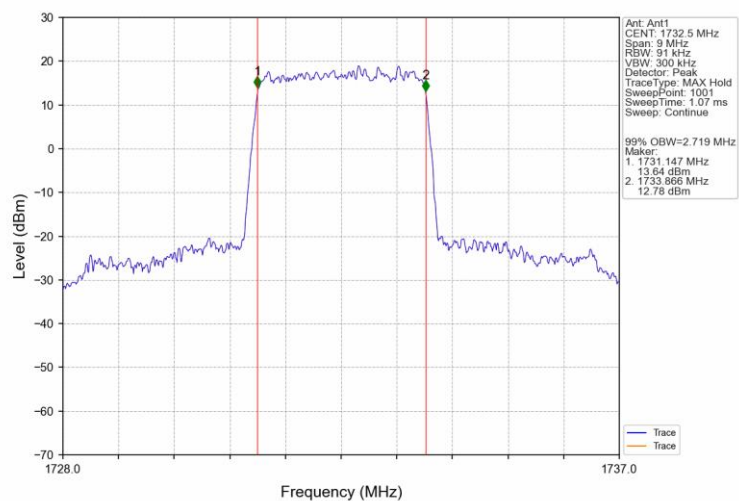
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



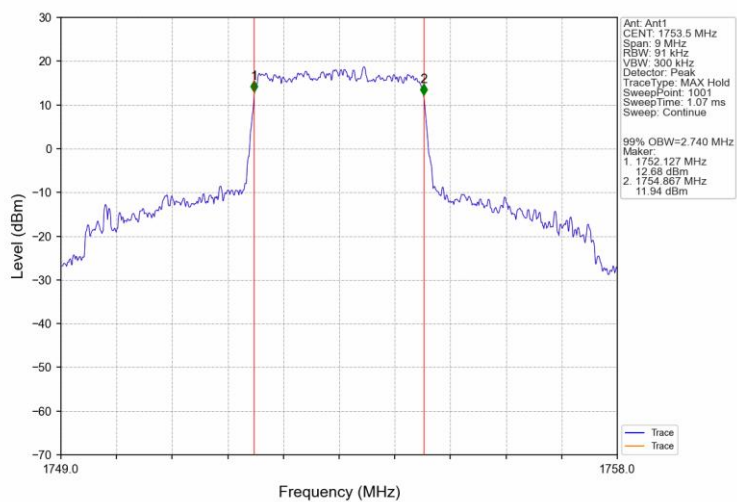
Band4 3MHz QPSK LCH 1711.5MHz RB 15 0 NTNV



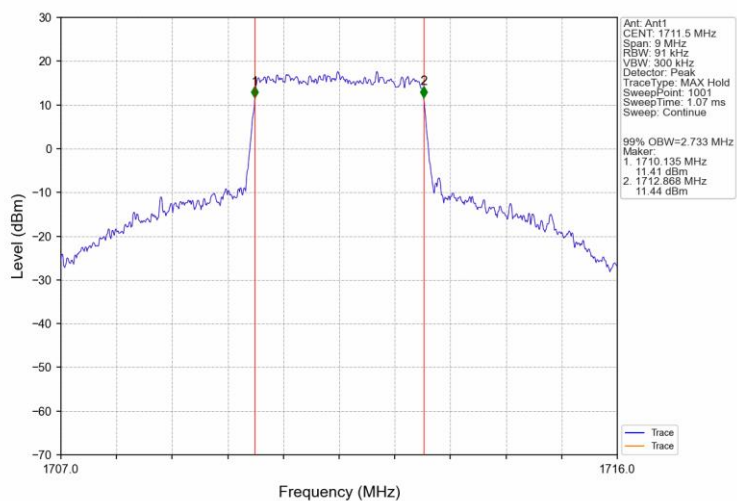
Band4 3MHz QPSK MCH 1732.5MHz RB 15 0 NTNV



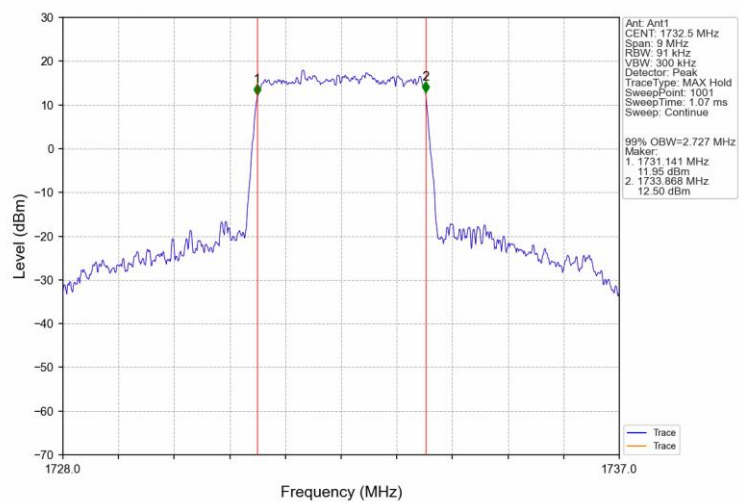
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTV



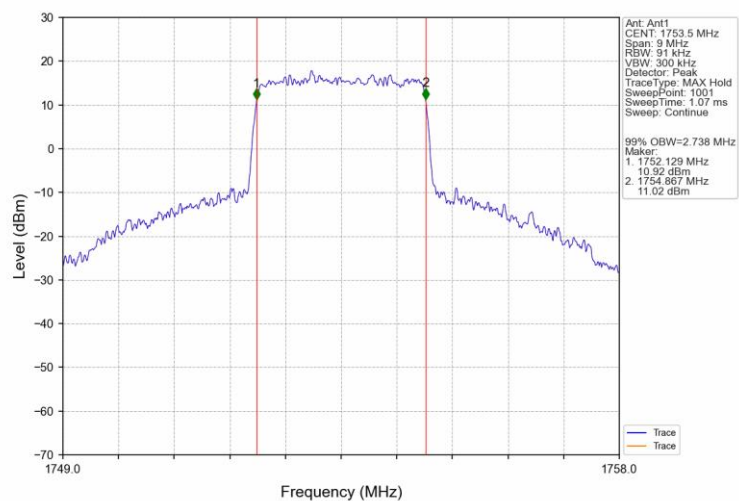
Band4 3MHz 16QAM LCH 1711.5MHz RB 15 0 NTV



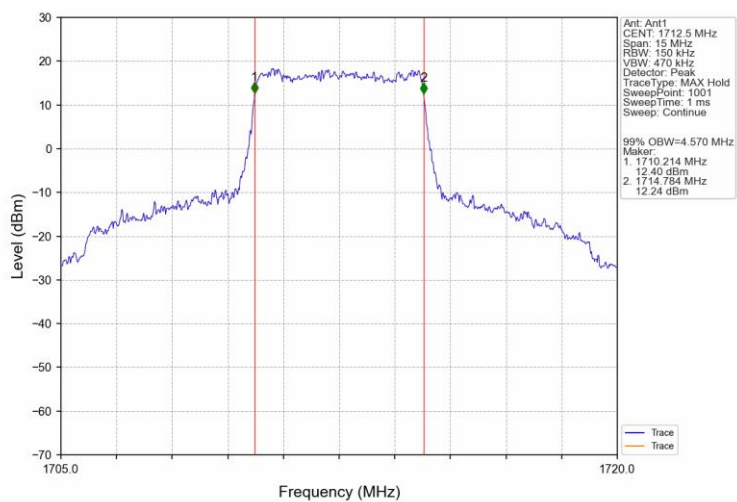
Band4 3MHz 16QAM MCH 1732.5MHz RB 15 0 NTNV



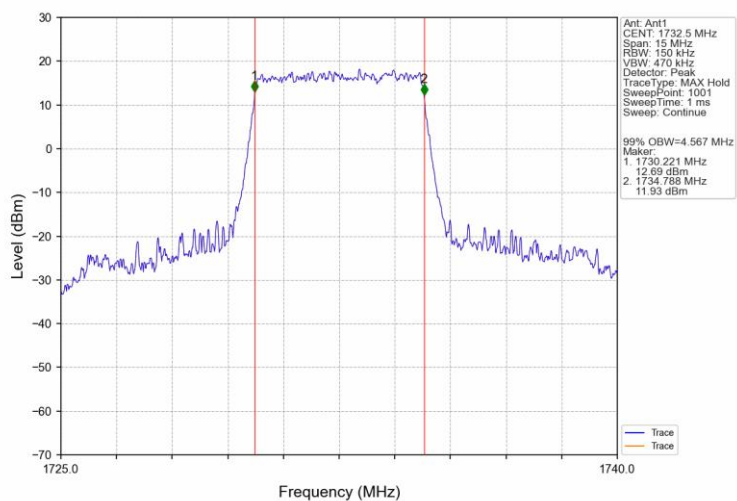
Band4 3MHz 16QAM HCH 1753.5MHz RB 15 0 NTNV



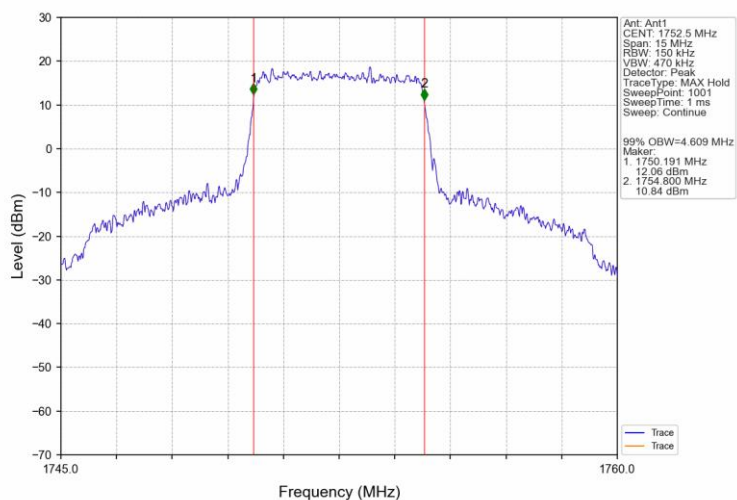
Band4 5MHz QPSK LCH 1712.5MHz RB 25 0 NTN



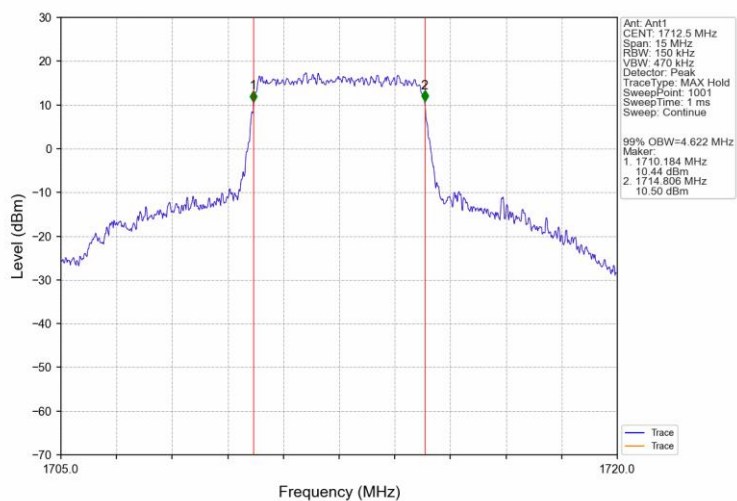
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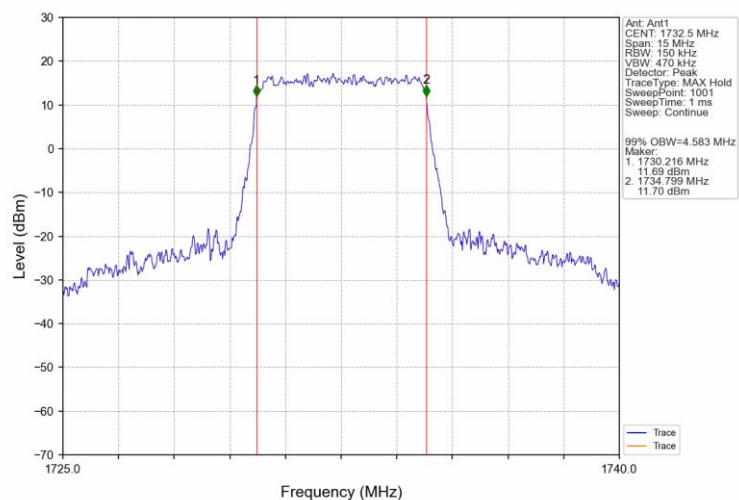
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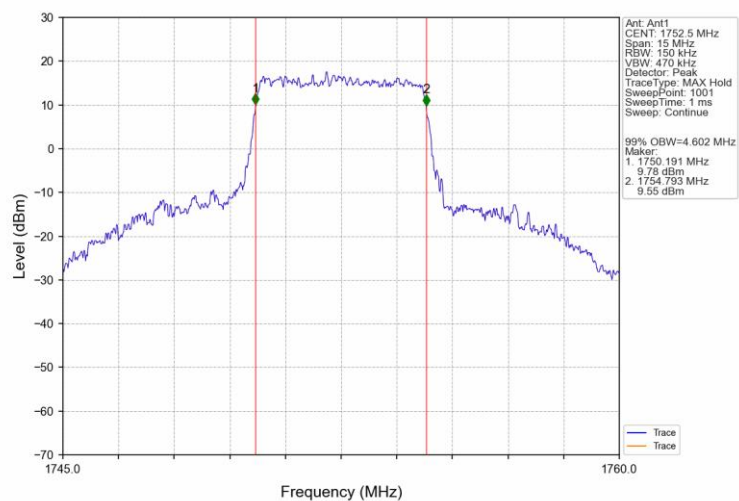
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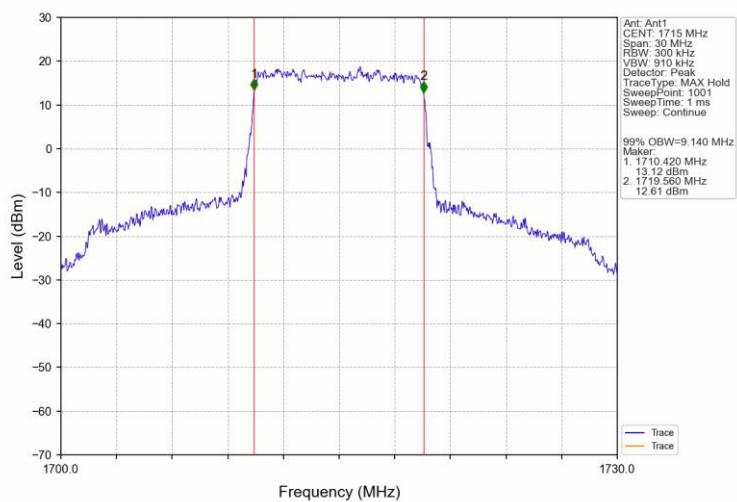
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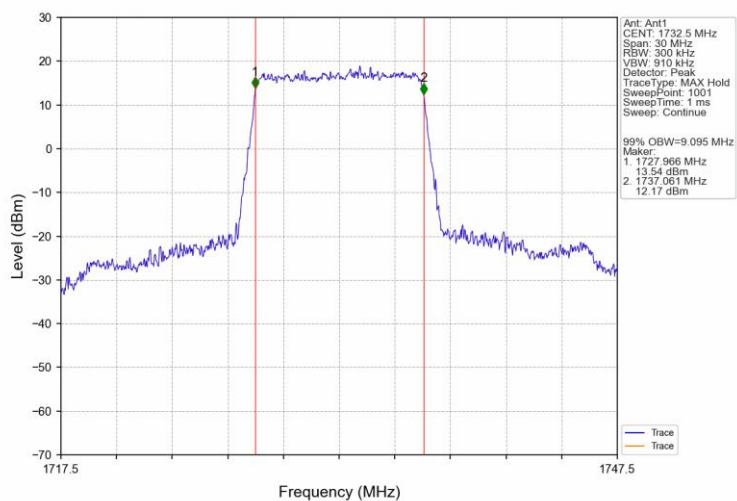
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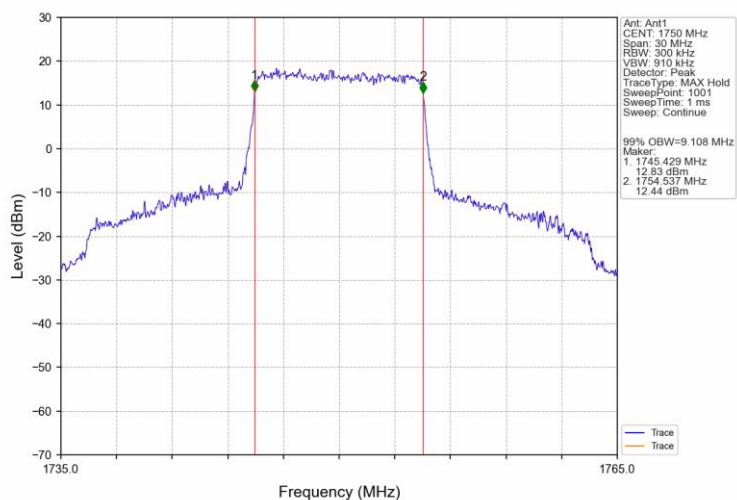
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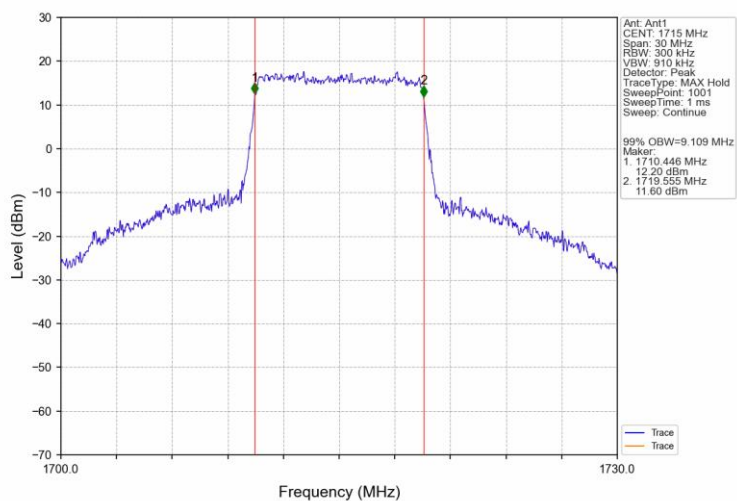
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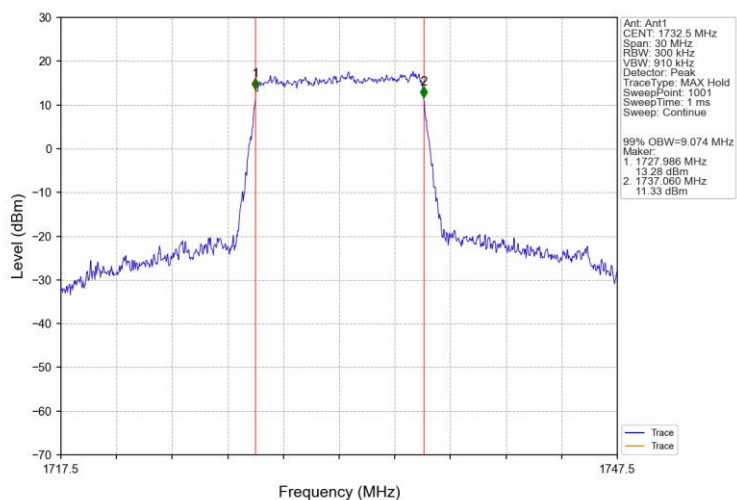
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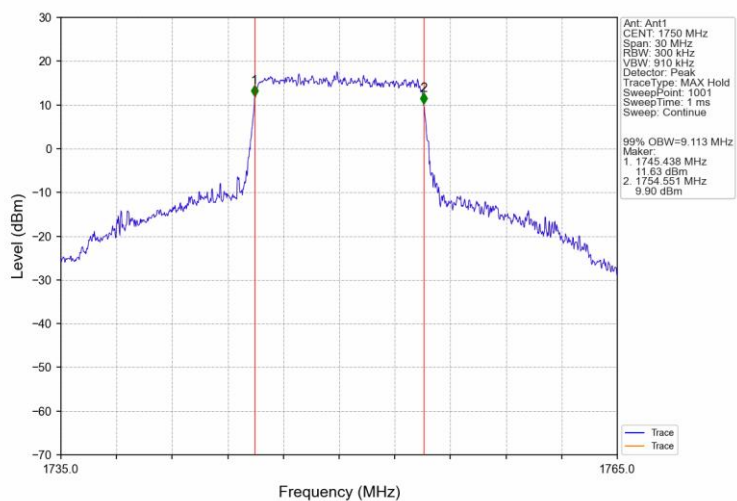
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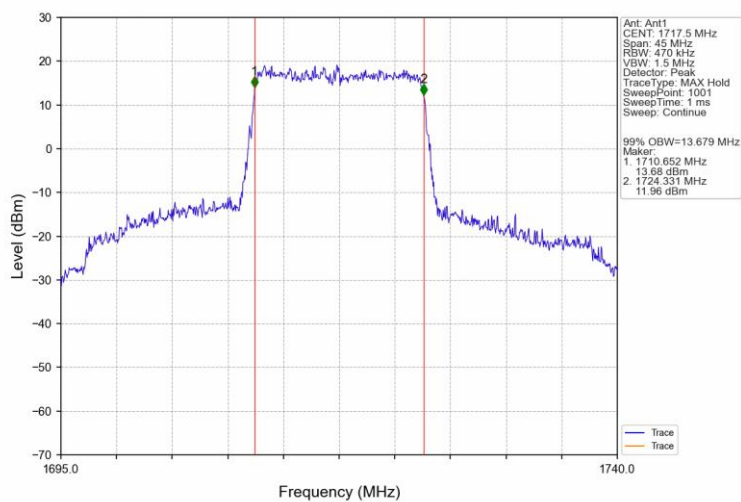
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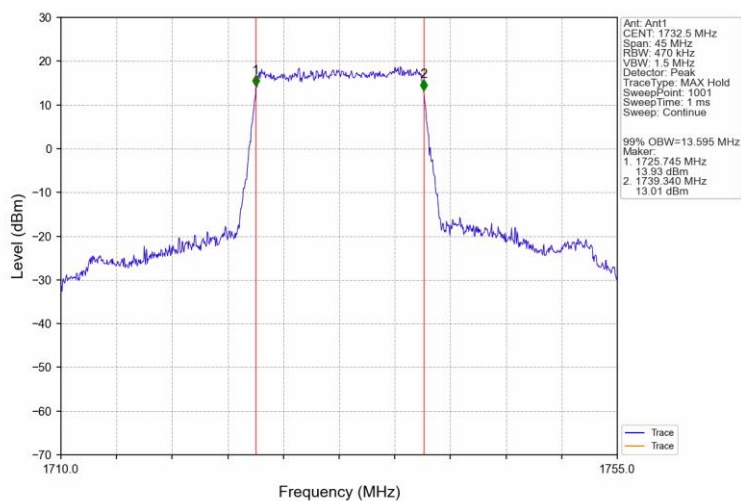
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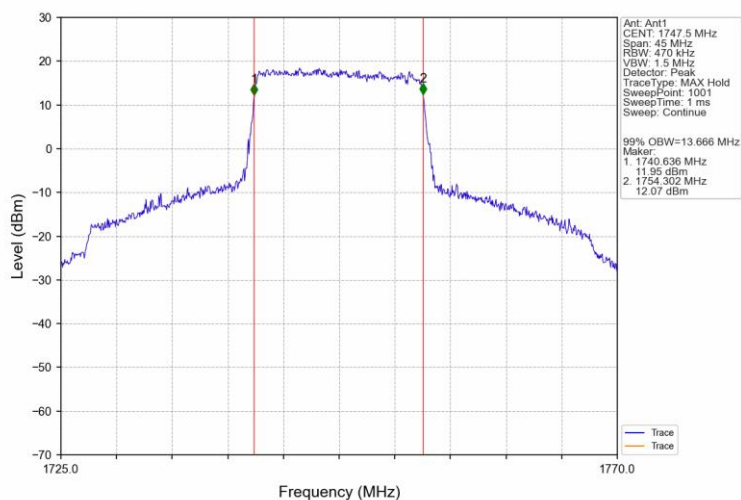
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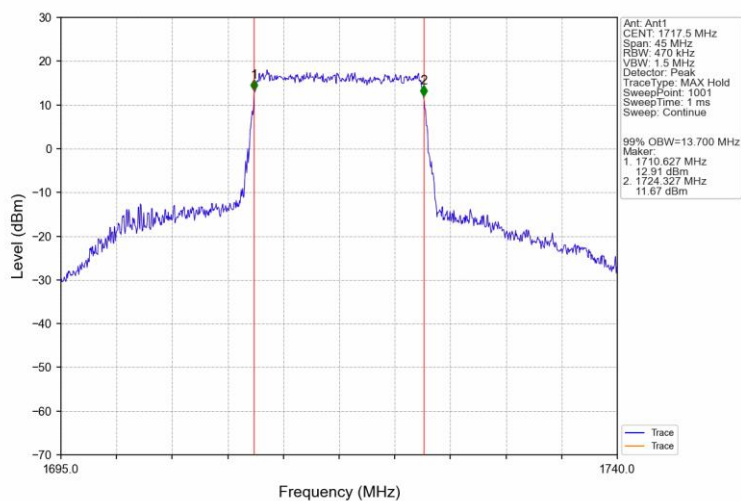
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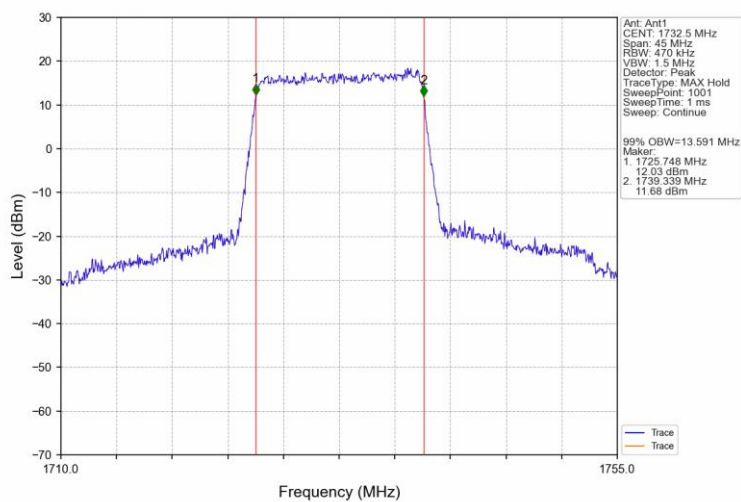
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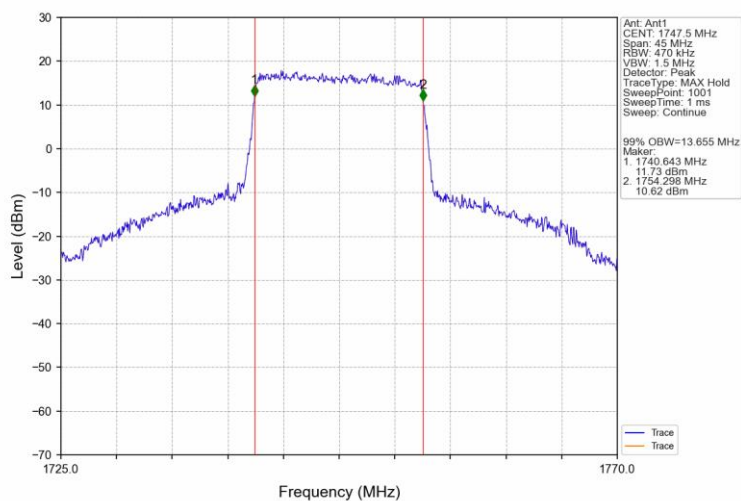
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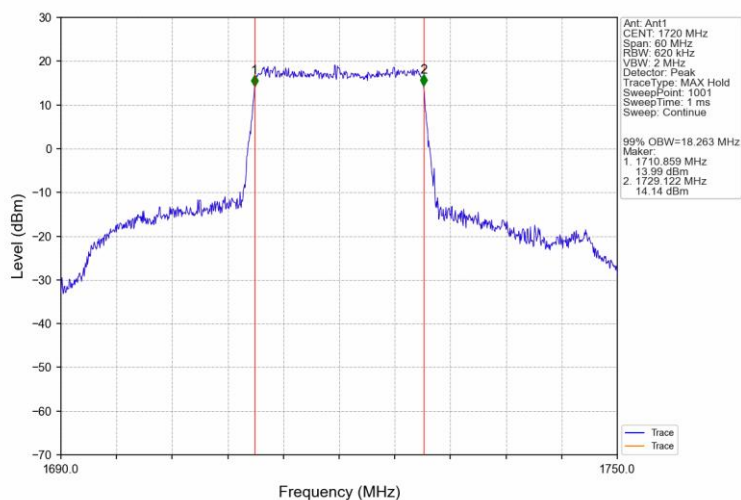
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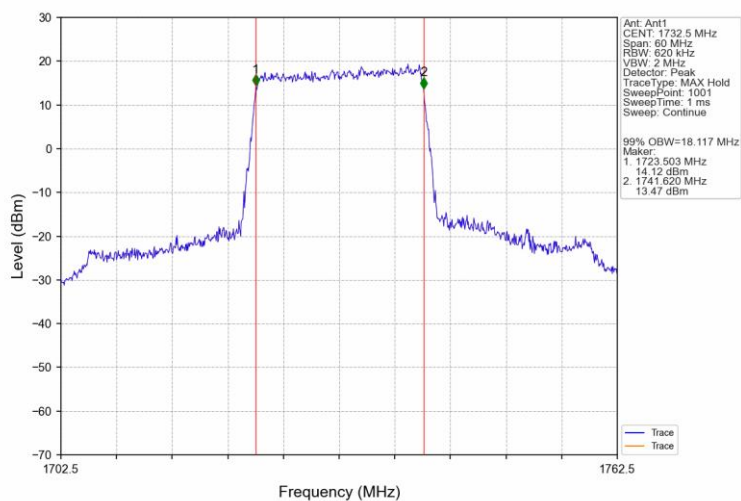
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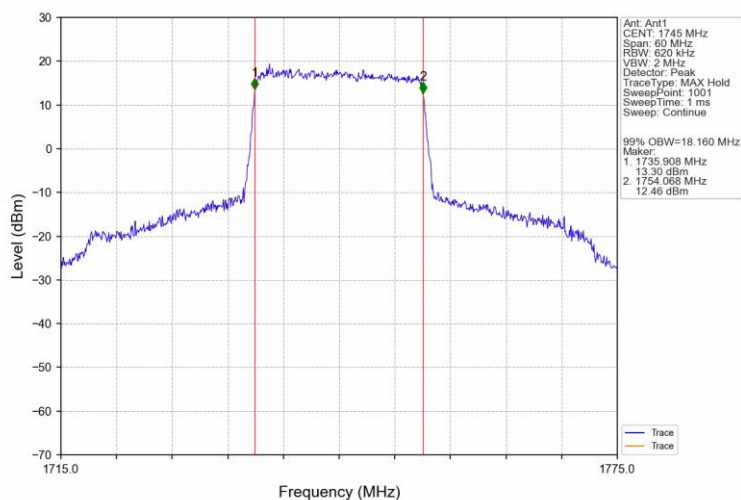
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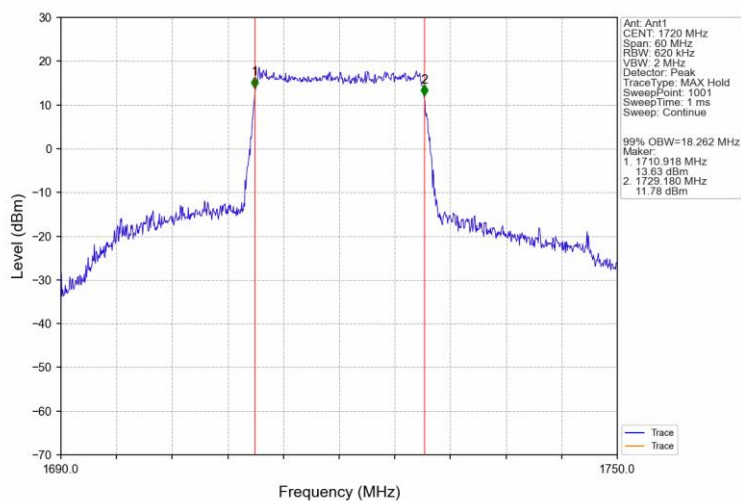
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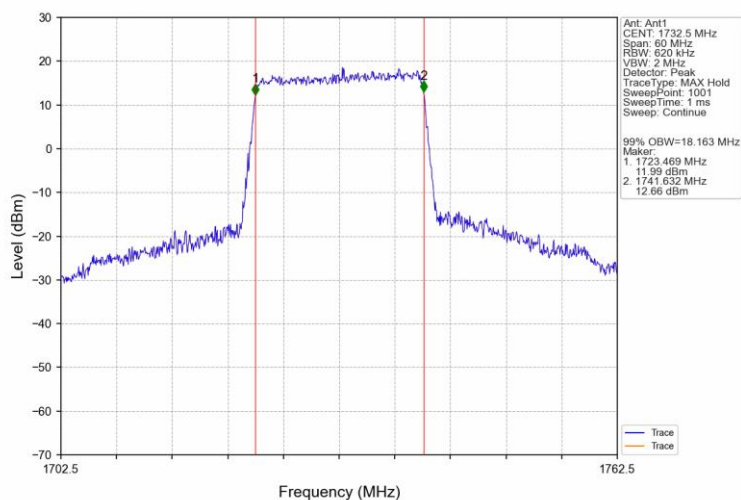
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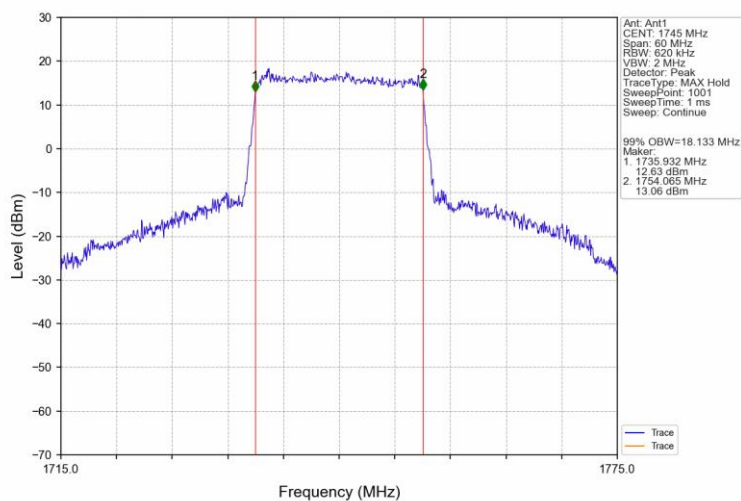
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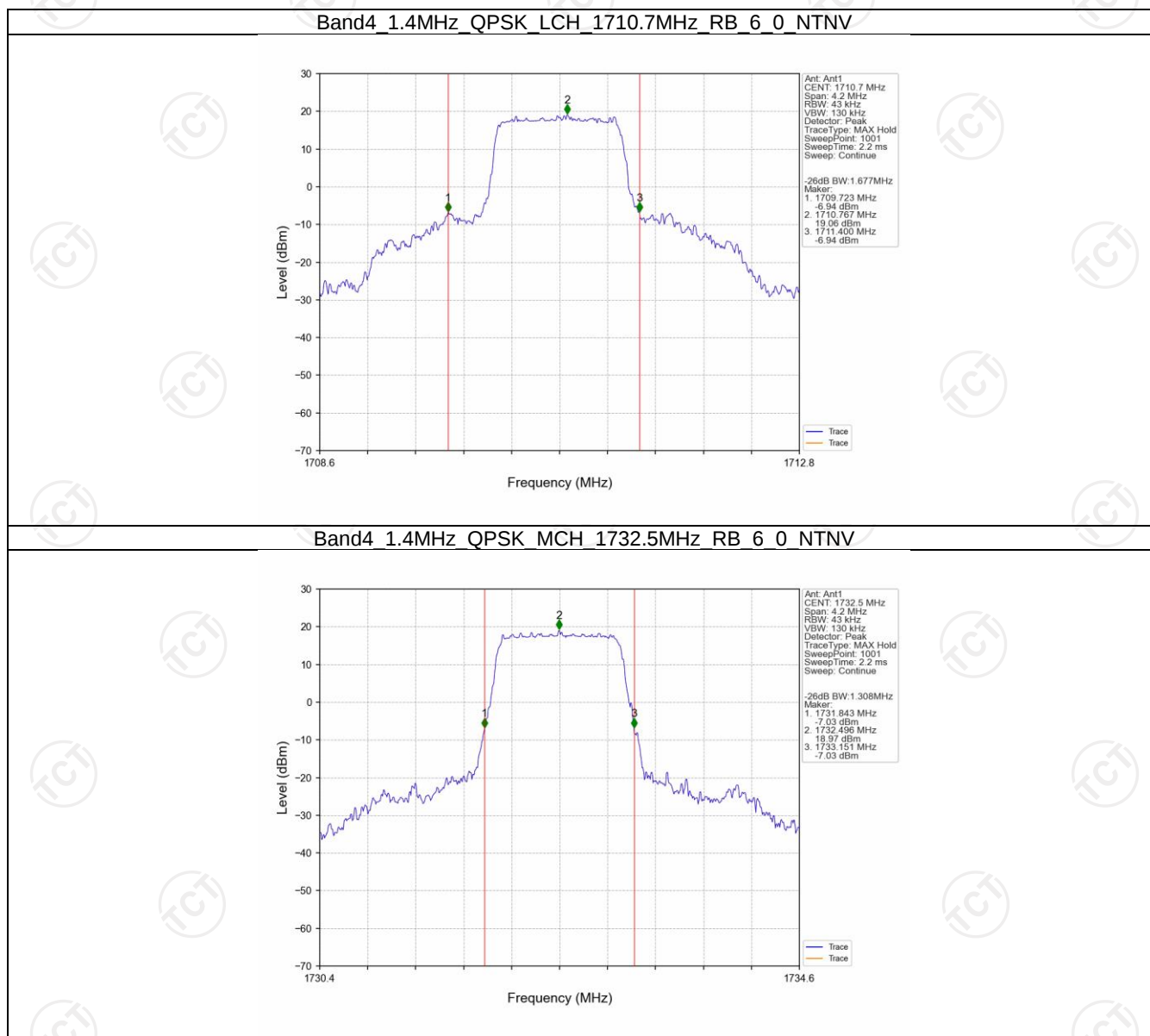
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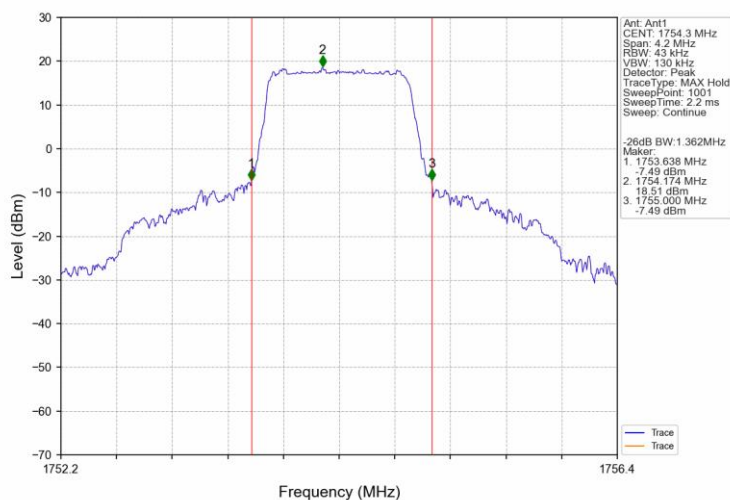
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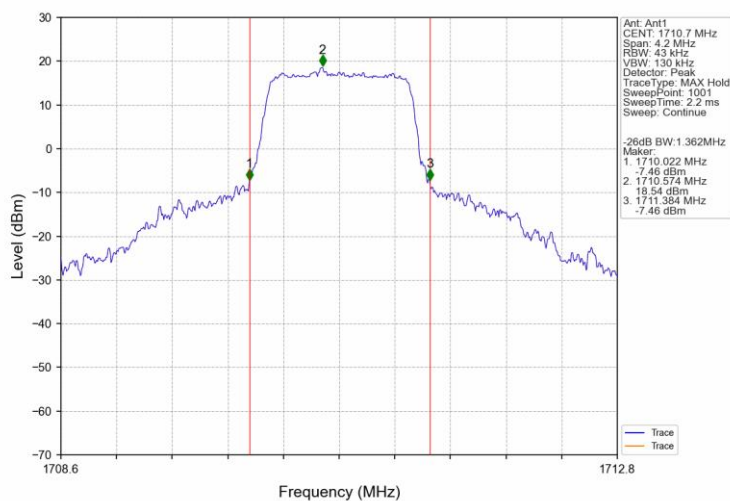
4.2.2 Band4_XDB



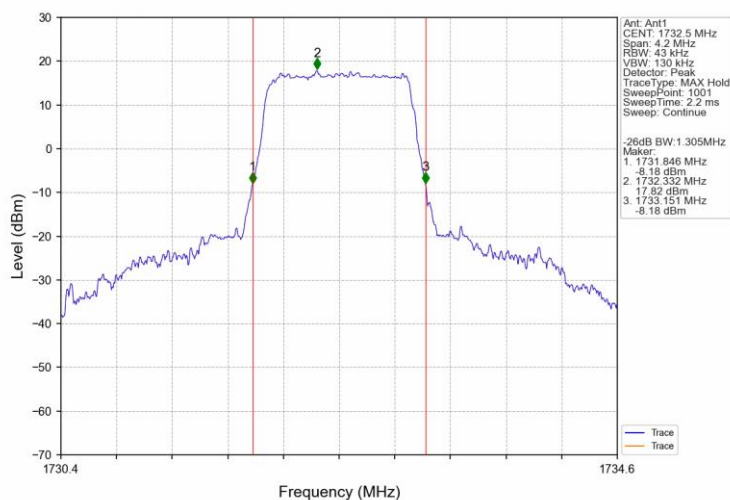
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



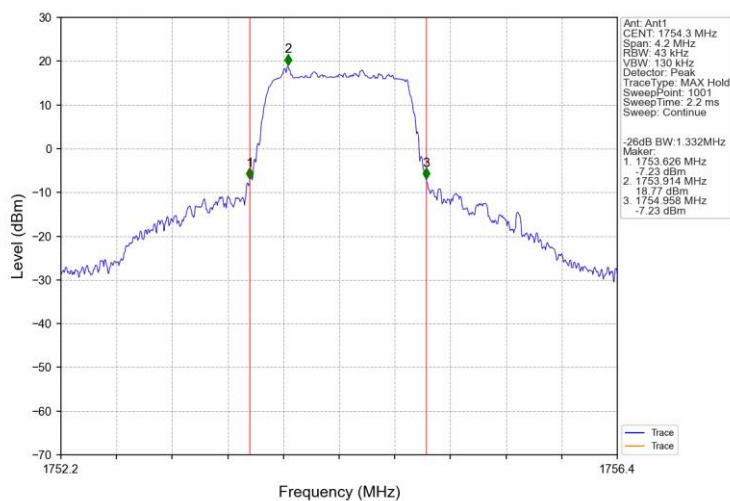
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



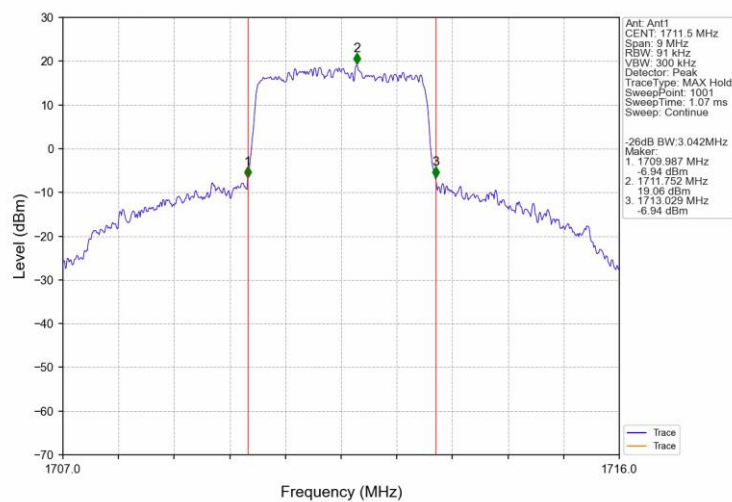
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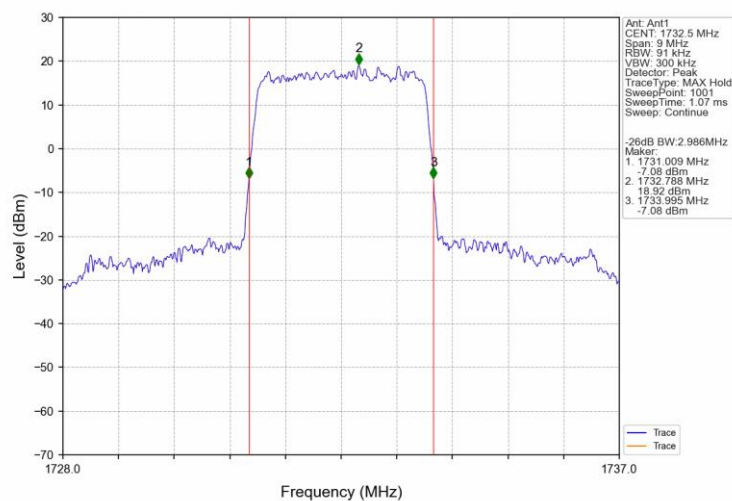
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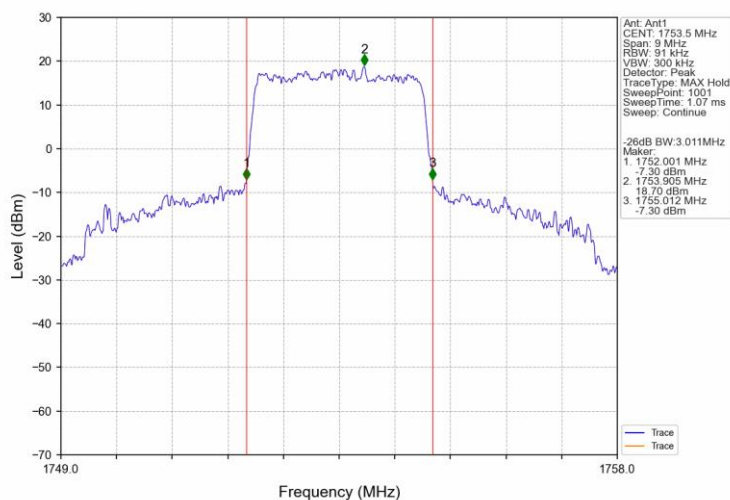
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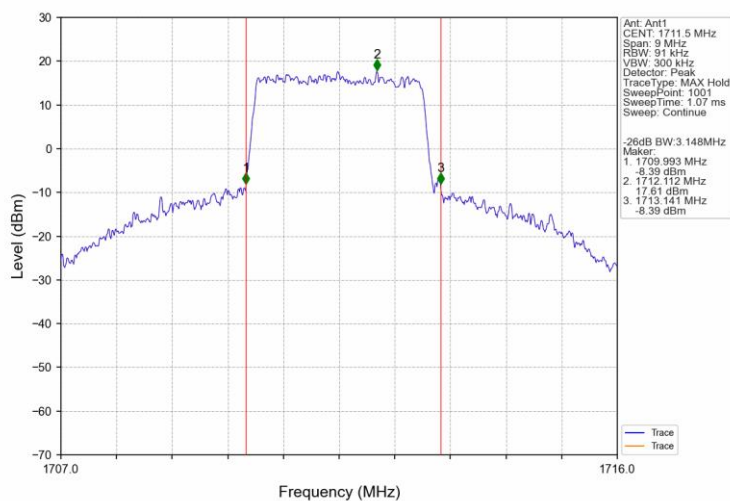
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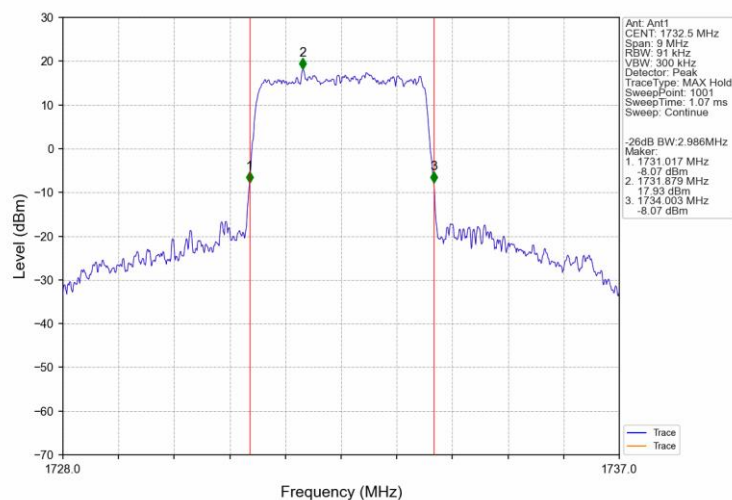
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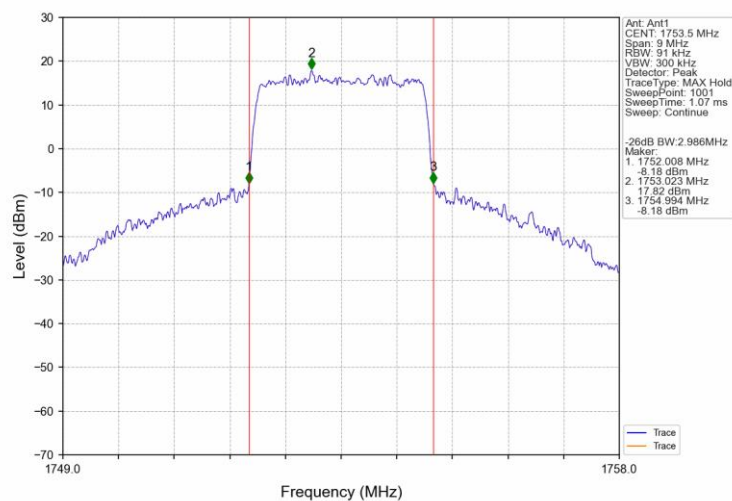
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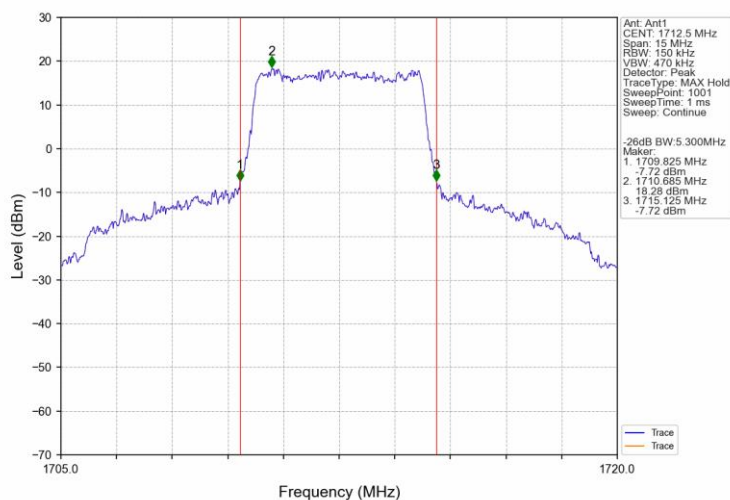
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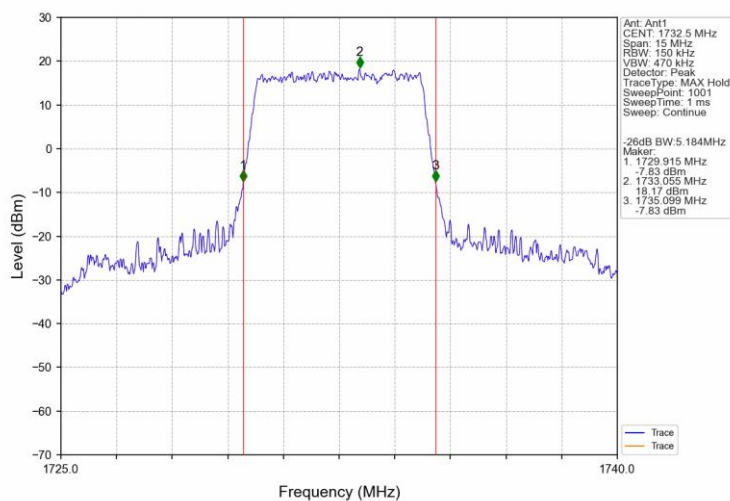
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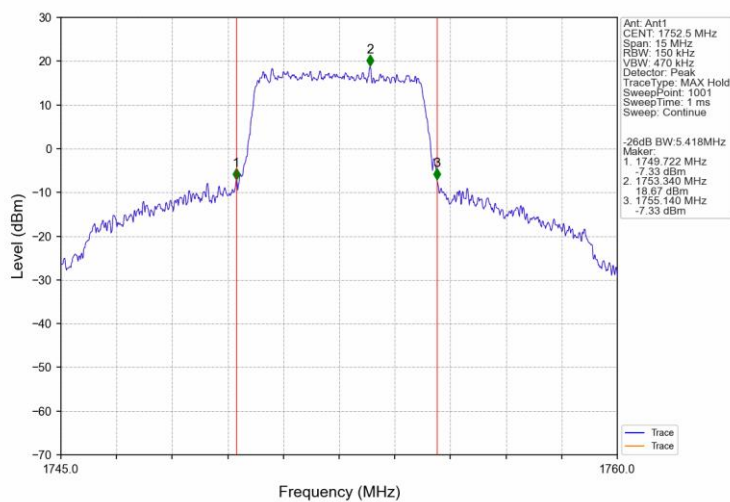
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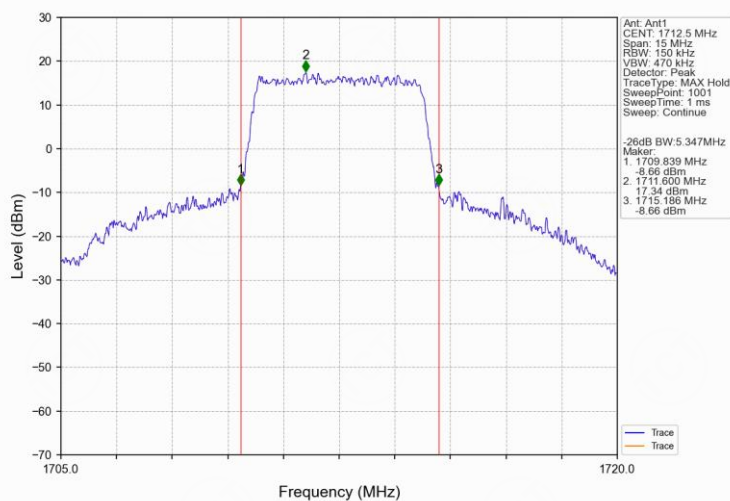
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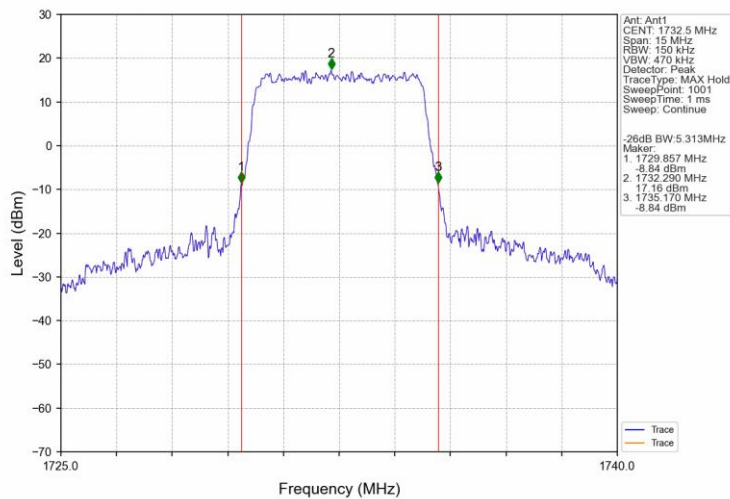
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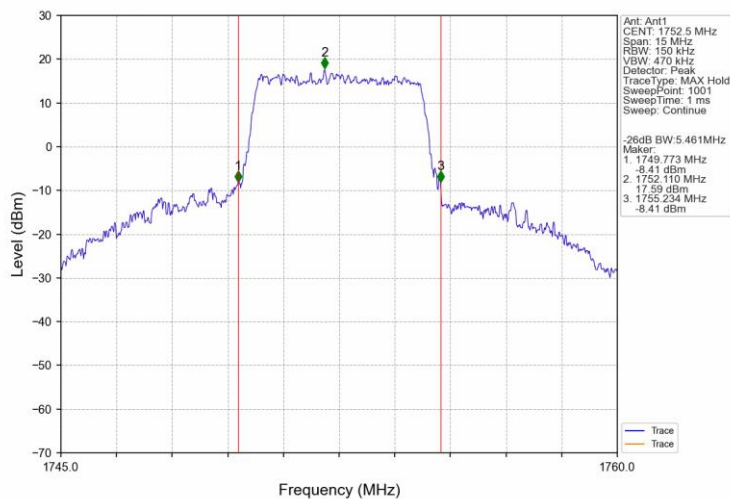
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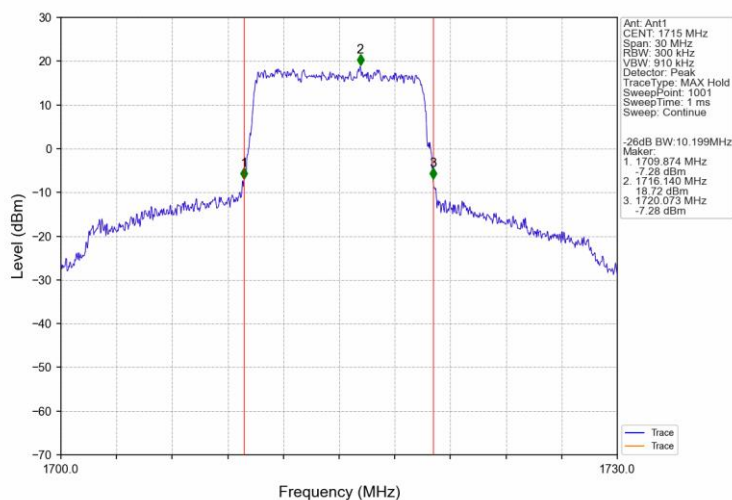
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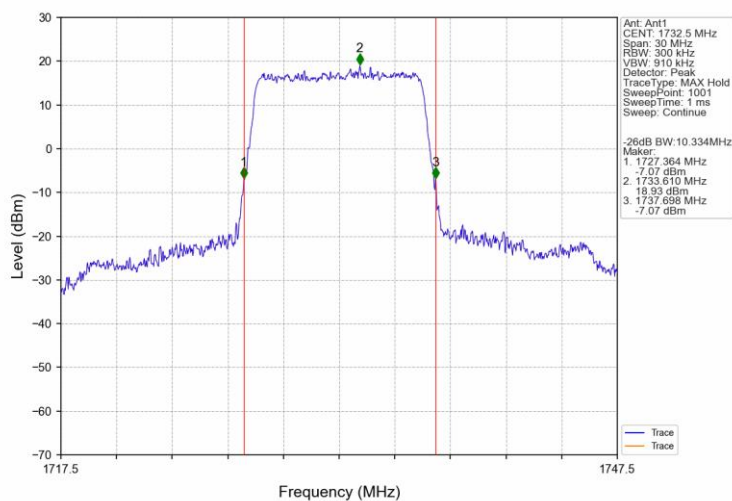
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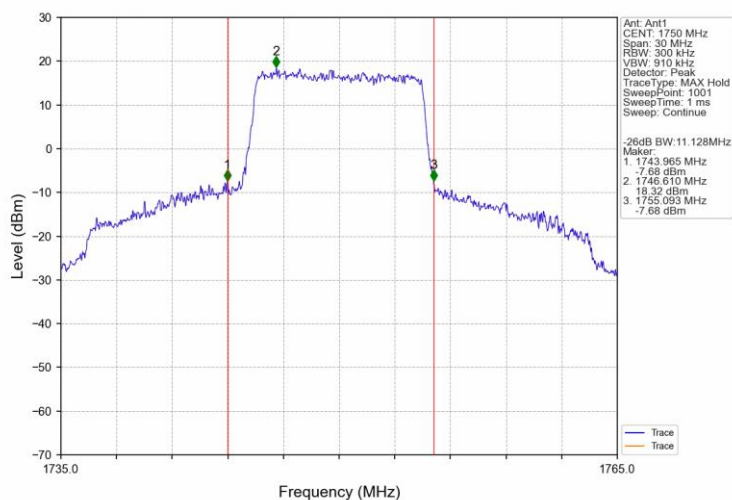
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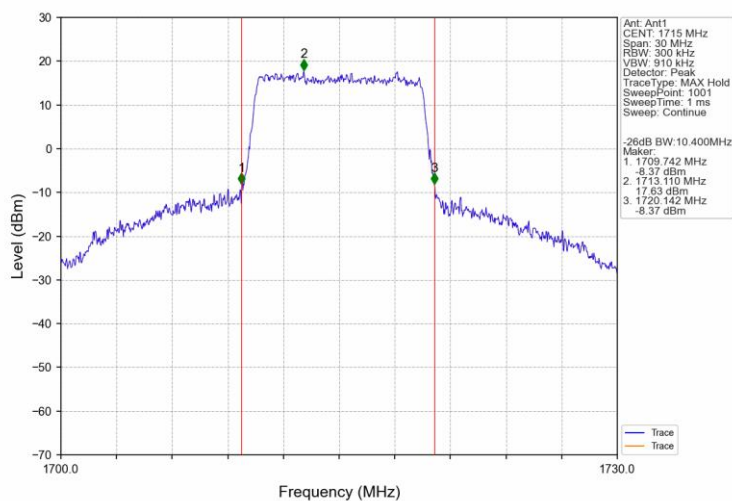
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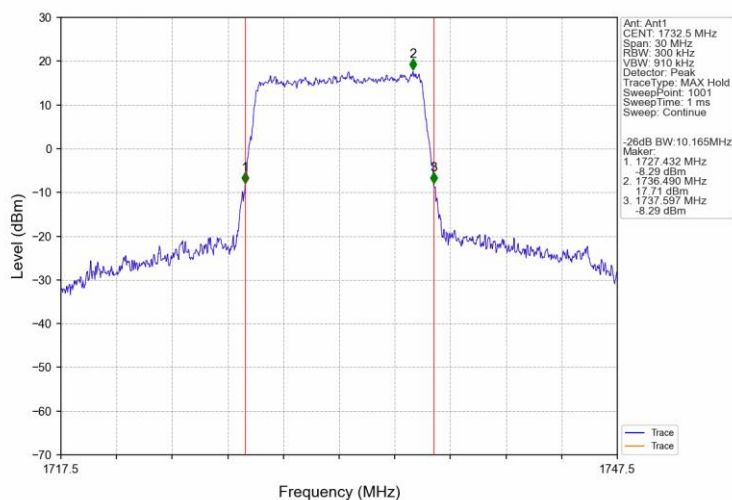
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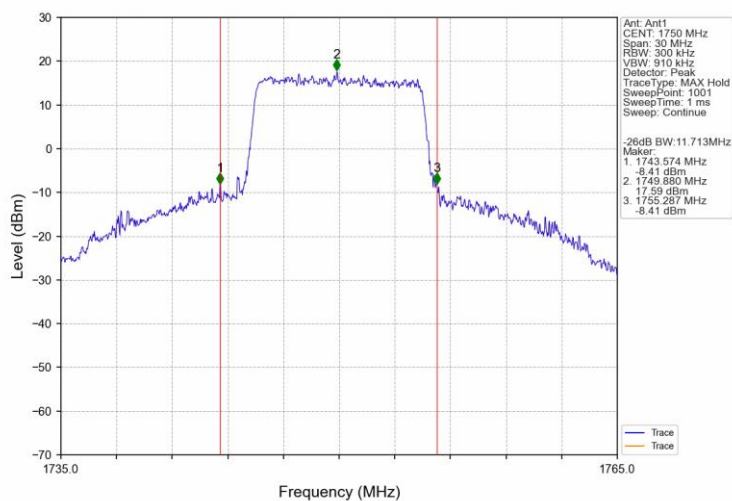
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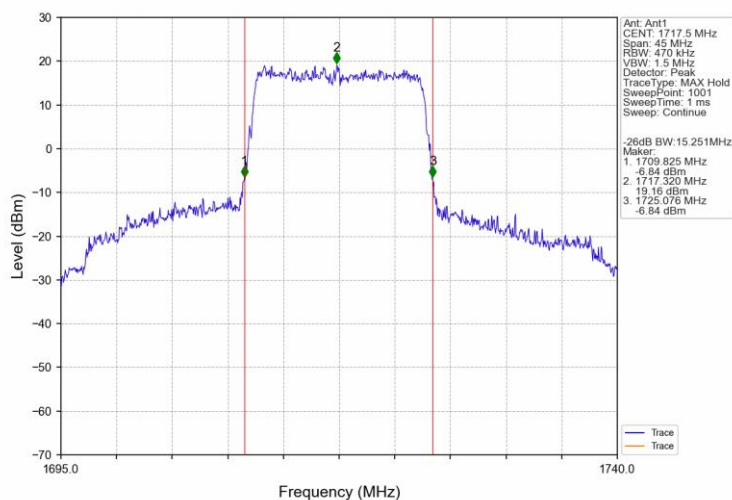
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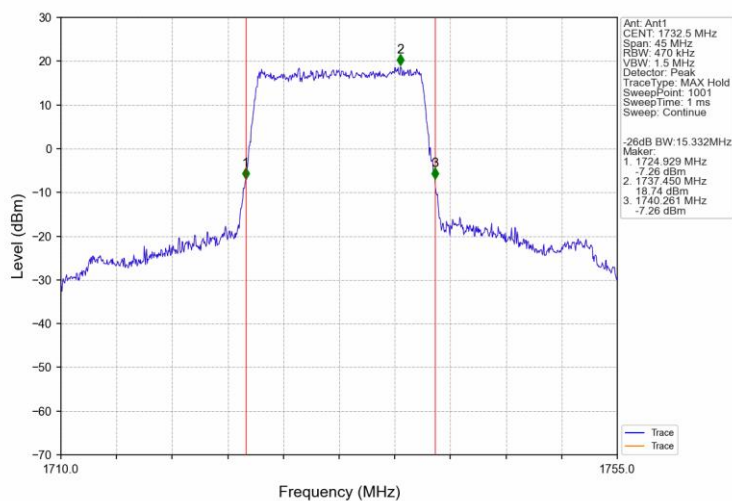
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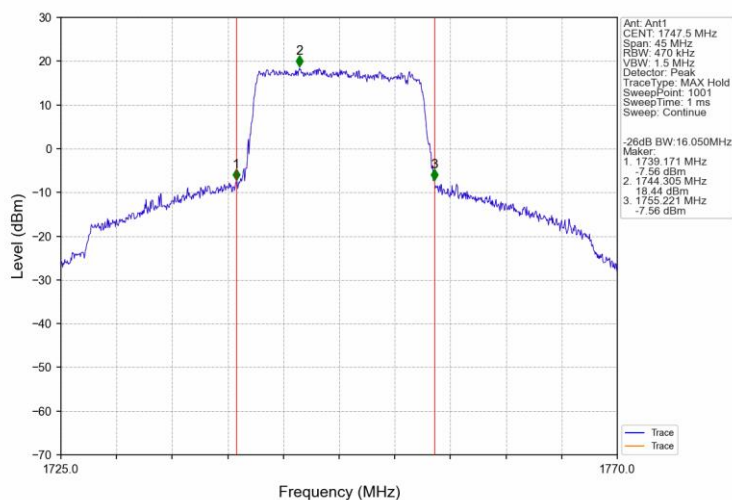
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



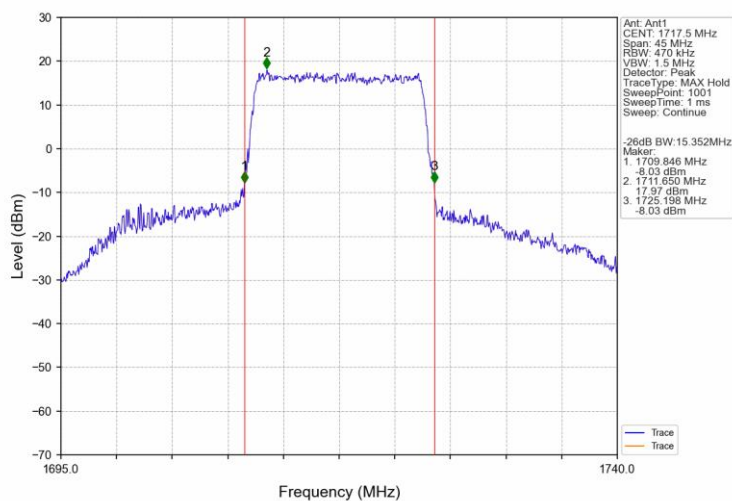
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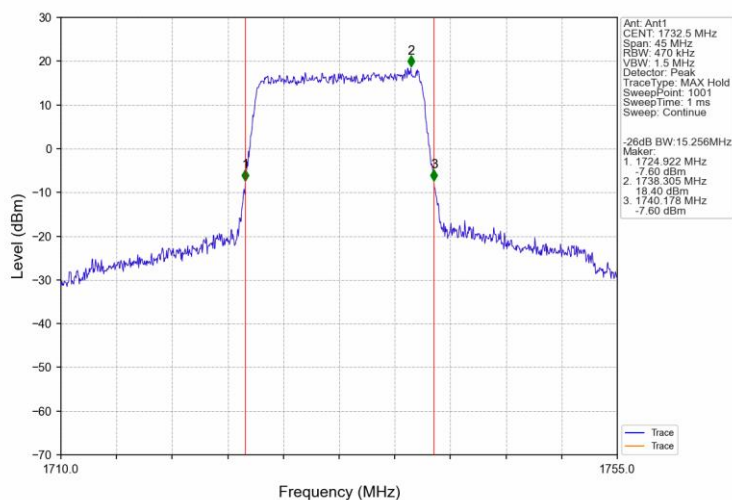
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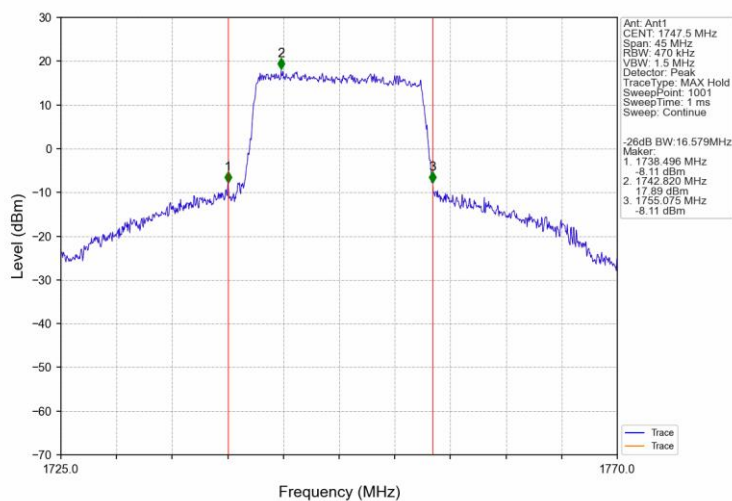
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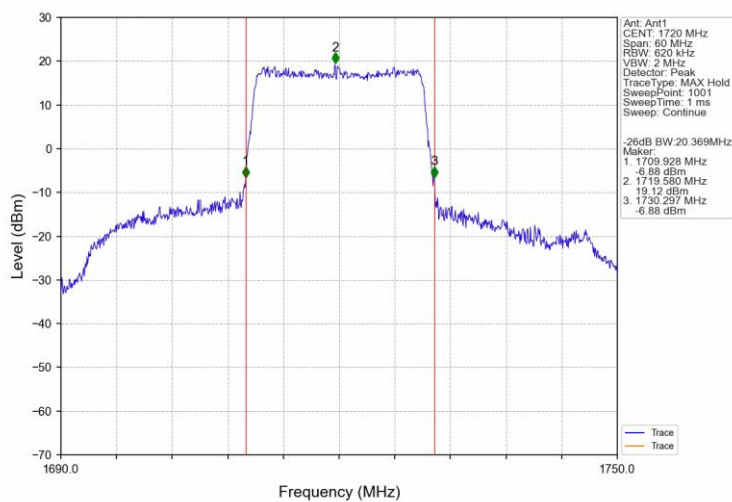
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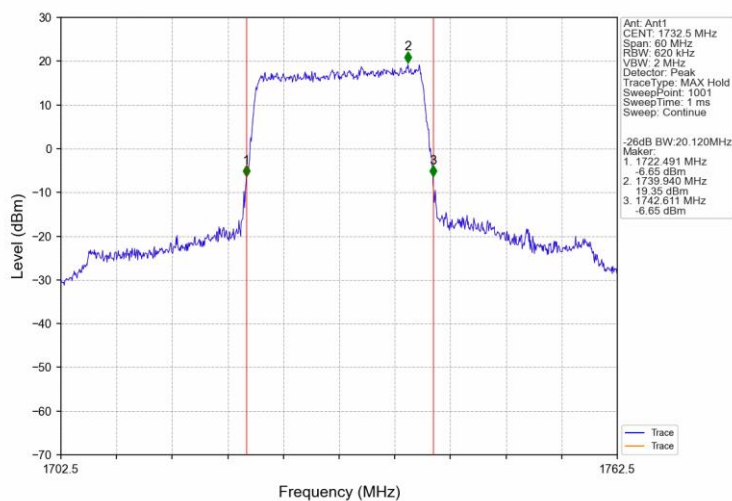
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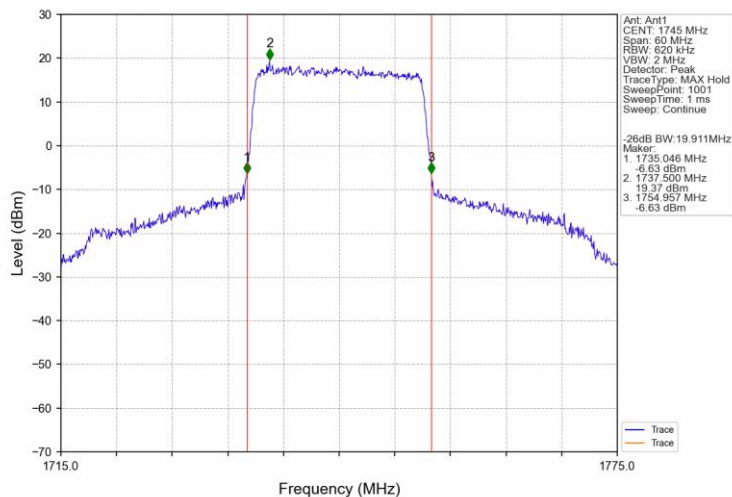
Band4 20MHz QPSK LCH 1720MHz RB 100 0 NTNV



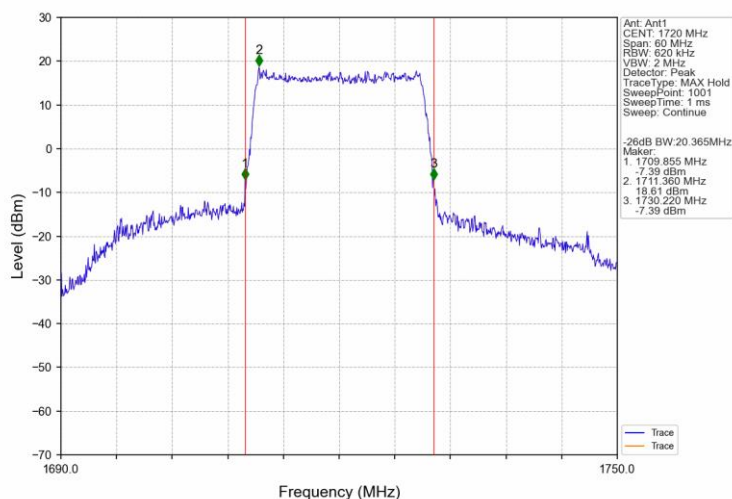
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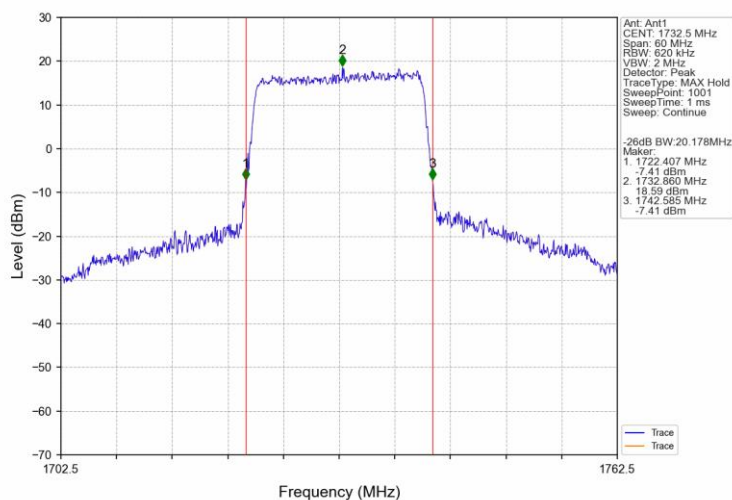
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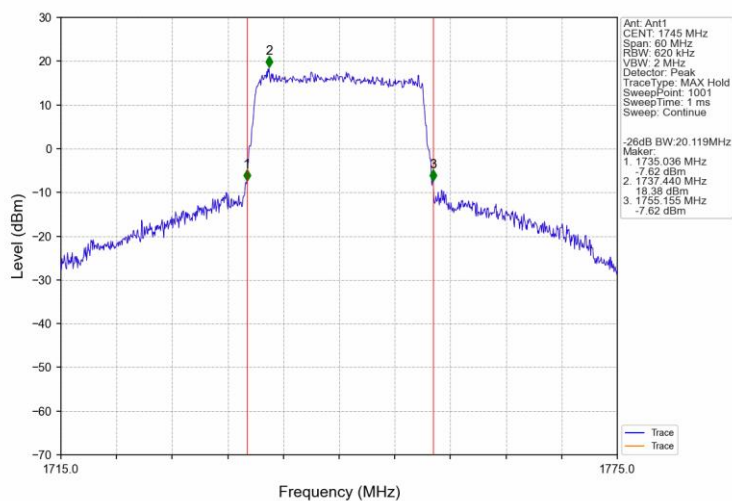
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTN



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTN



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	3.58	<=13	Pass
	1732.5	6	0	5.11	<=13	Pass
	1754.3	6	0	3.78	<=13	Pass
16QAM	1710.7	6	0	4.57	<=13	Pass
	1732.5	6	0	6.01	<=13	Pass
	1754.3	6	0	4.74	<=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	3.91	<=13	Pass
	1732.5	15	0	5.21	<=13	Pass
	1753.5	15	0	3.90	<=13	Pass
16QAM	1711.5	15	0	4.80	<=13	Pass
	1732.5	15	0	6.08	<=13	Pass
	1753.5	15	0	4.80	<=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	4.62	<=13	Pass
	1732.5	25	0	5.45	<=13	Pass
	1752.5	25	0	4.41	<=13	Pass
16QAM	1712.5	25	0	5.40	<=13	Pass
	1732.5	25	0	6.18	<=13	Pass
	1752.5	25	0	5.18	<=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	5.01	<=13	Pass
	1732.5	50	0	5.36	<=13	Pass
	1750	50	0	4.38	<=13	Pass
16QAM	1715	50	0	5.82	<=13	Pass
	1732.5	50	0	6.18	<=13	Pass

	1750	50	0	5.16	<=13	Pass
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5.1.5 B4_15MHz

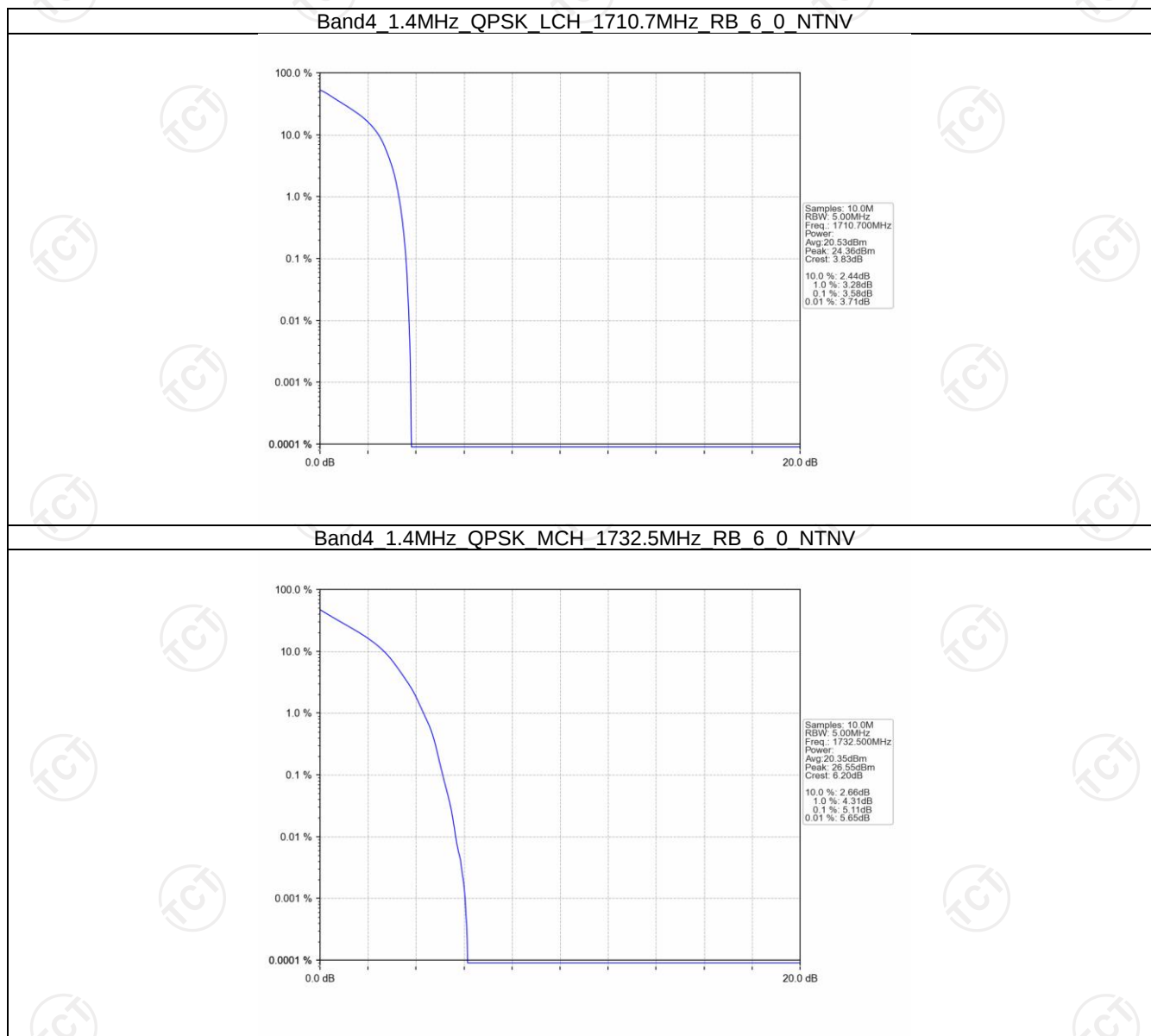
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	4.97	<=13	Pass
	1732.5	75	0	4.87	<=13	Pass
	1747.5	75	0	4.97	<=13	Pass
16QAM	1717.5	75	0	6.26	<=13	Pass
	1732.5	75	0	6.21	<=13	Pass
	1747.5	75	0	6.00	<=13	Pass

5.1.6 B4_20MHz

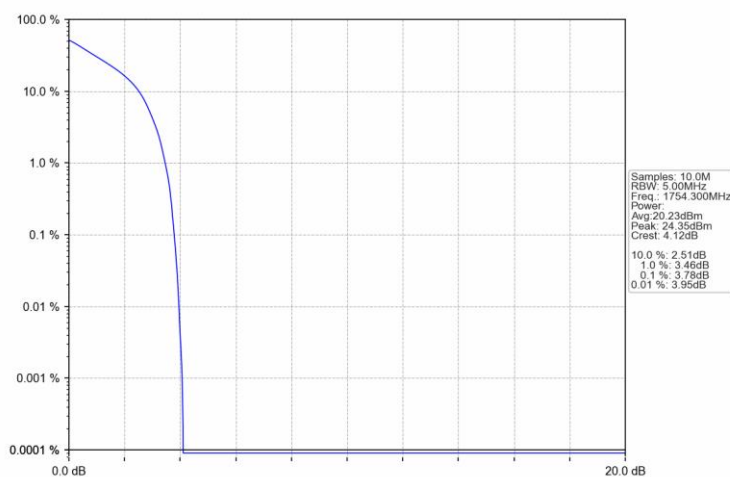
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.76	<=13	Pass
	1732.5	100	0	5.66	<=13	Pass
	1745	100	0	5.67	<=13	Pass
16QAM	1720	100	0	6.79	<=13	Pass
	1732.5	100	0	6.81	<=13	Pass
	1745	100	0	6.59	<=13	Pass

5.2 Test Graph

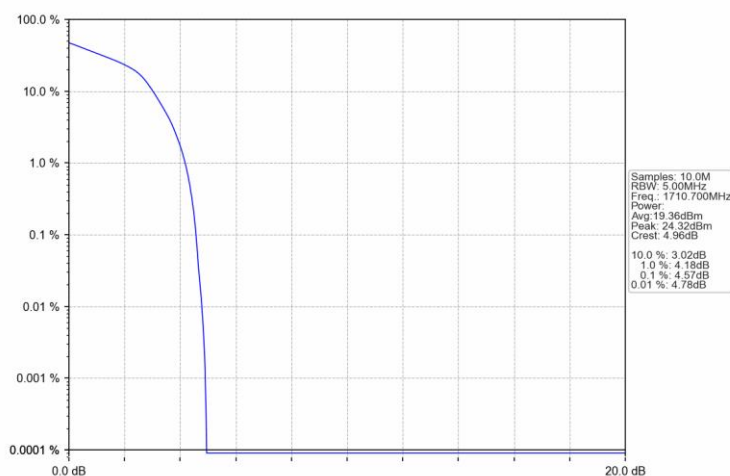
5.2.1 B4_1.4MHz



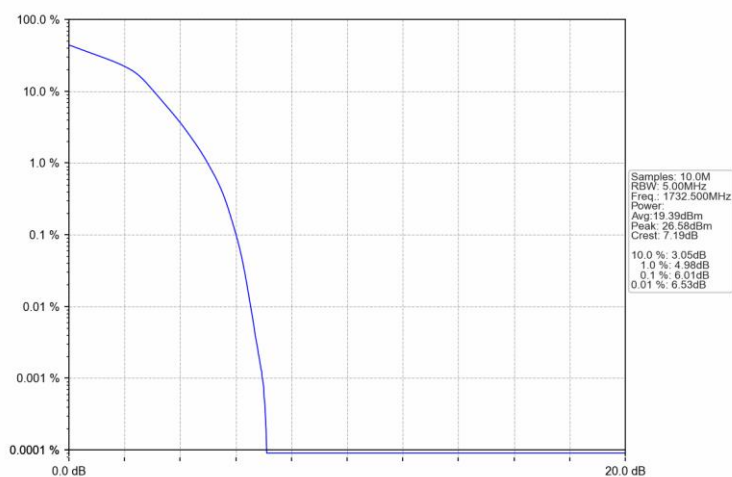
Band4 1.4MHz QPSK HCH 1754.3MHz RB 6 0 NTNV



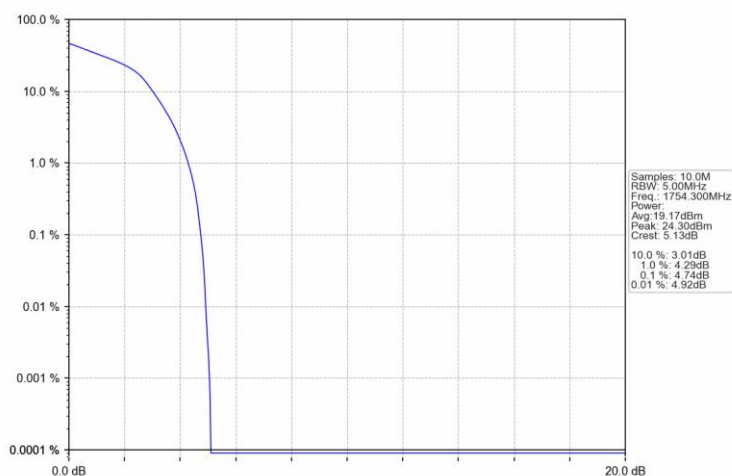
Band4 1.4MHz 16QAM LCH 1710.7MHz RB 6 0 NTNV



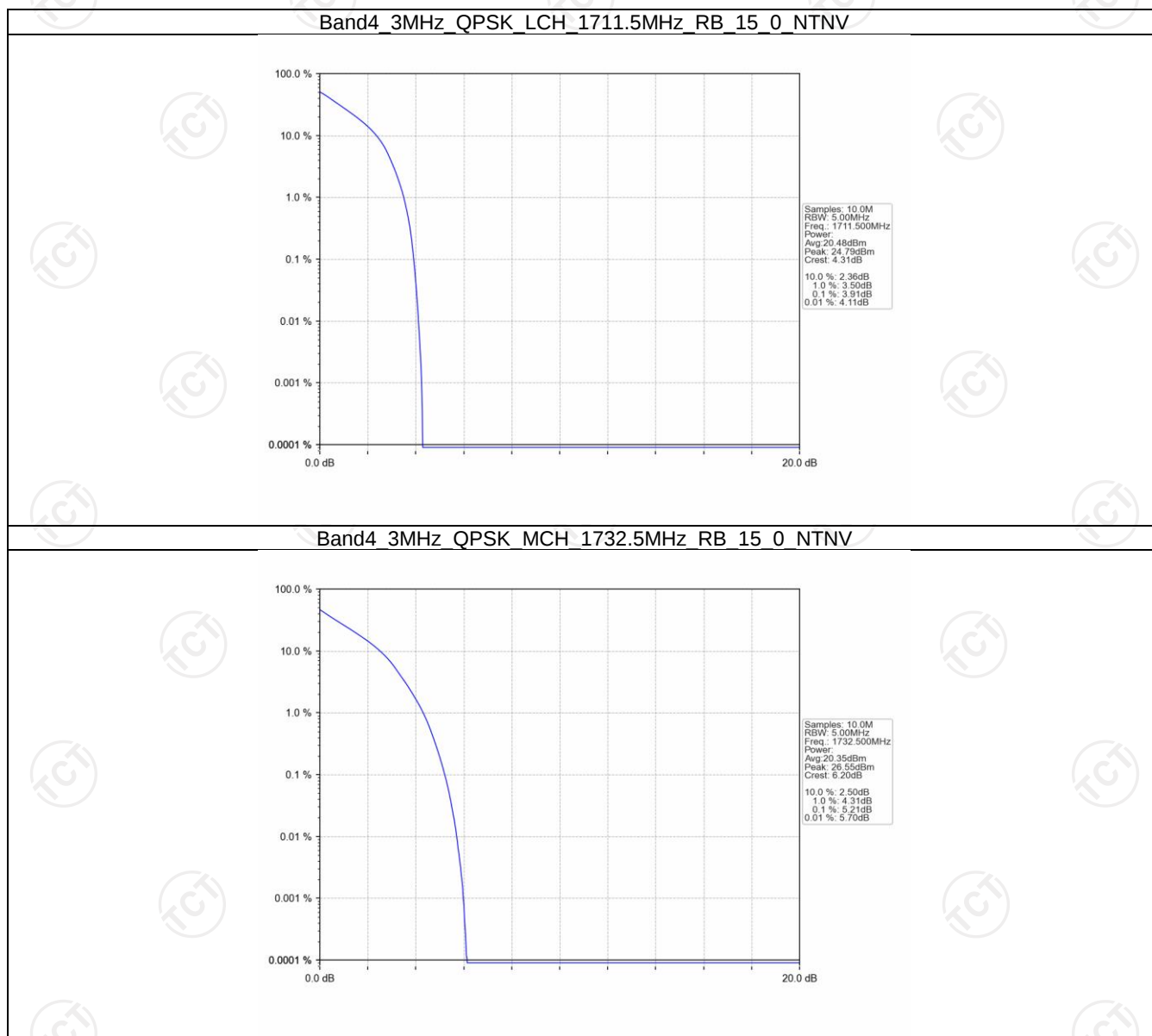
Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTN



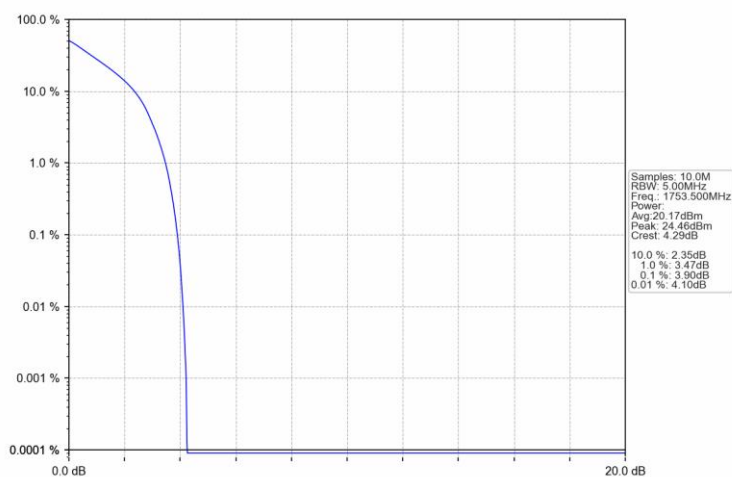
Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTN



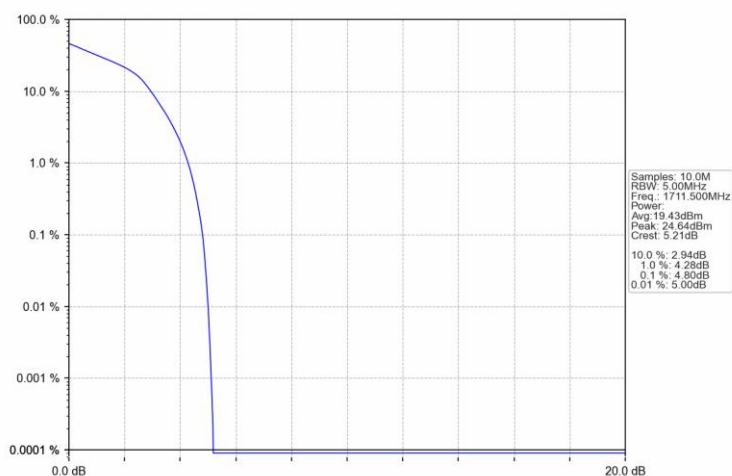
5.2.2 B4_3MHz



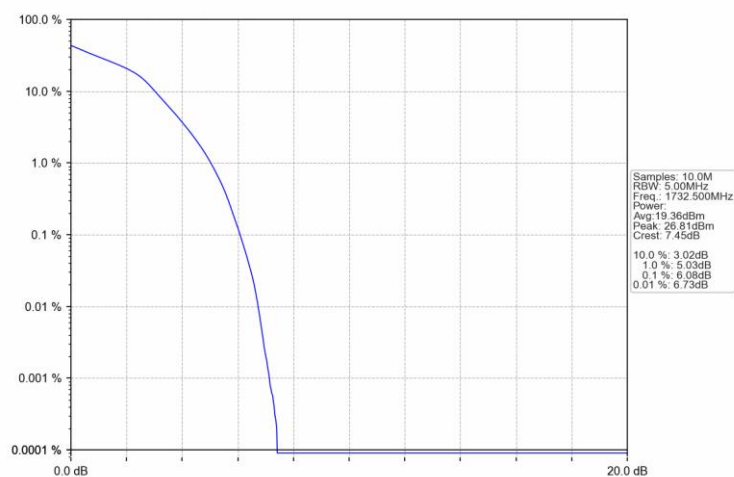
Band4 3MHz QPSK HCH 1753.5MHz RB 15 0 NTNV



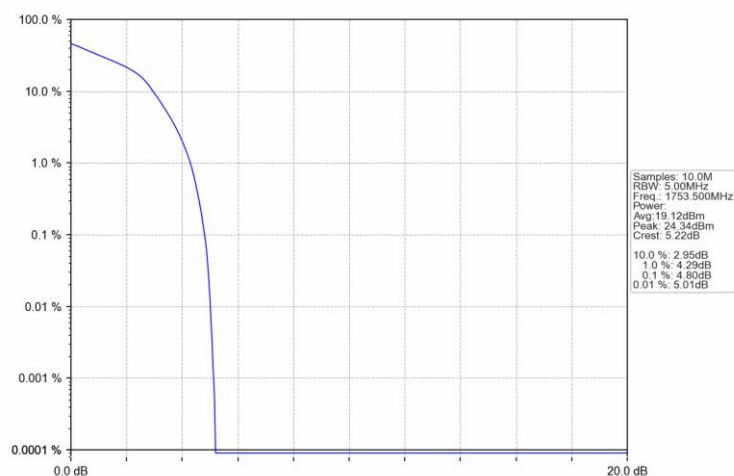
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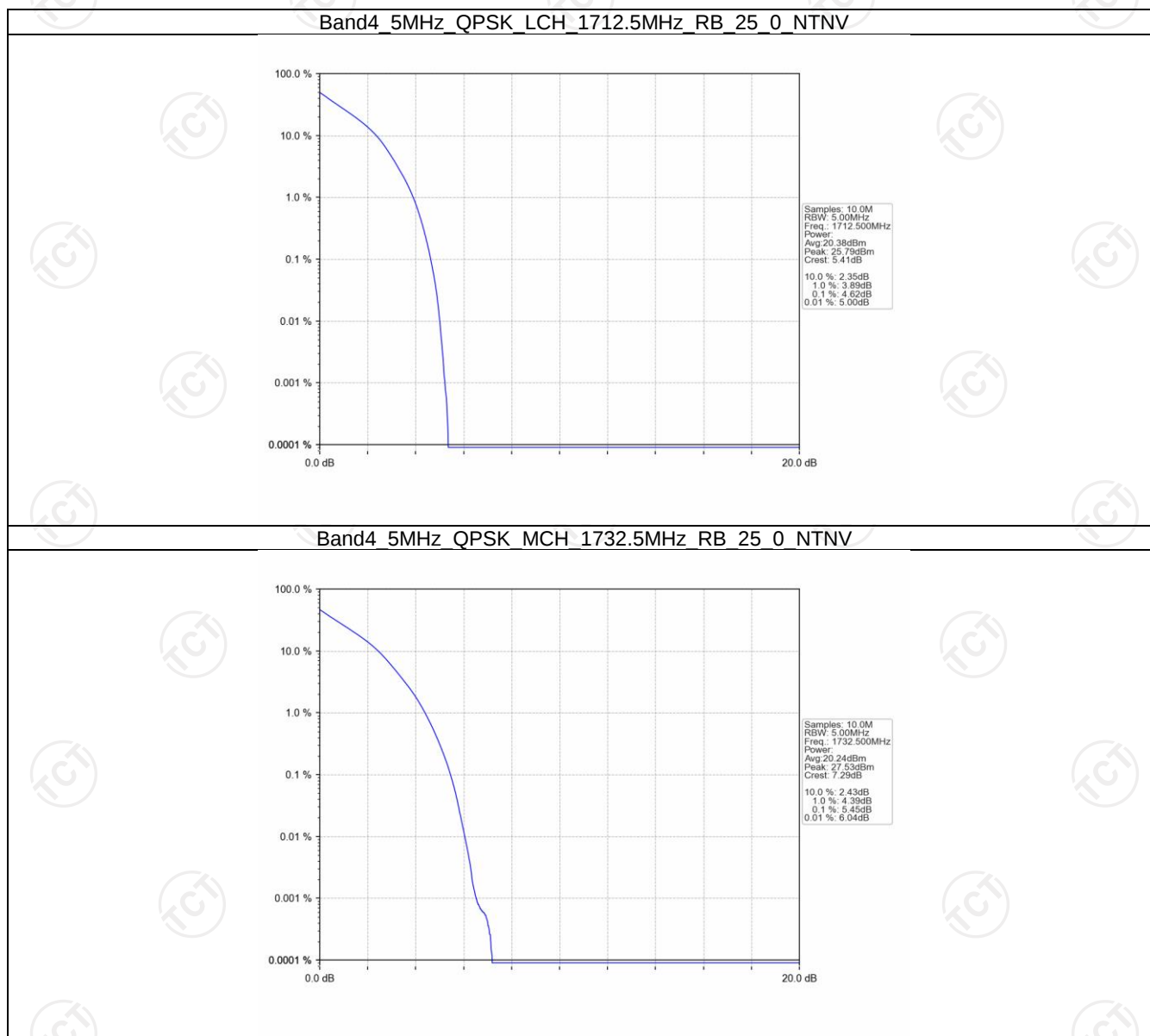
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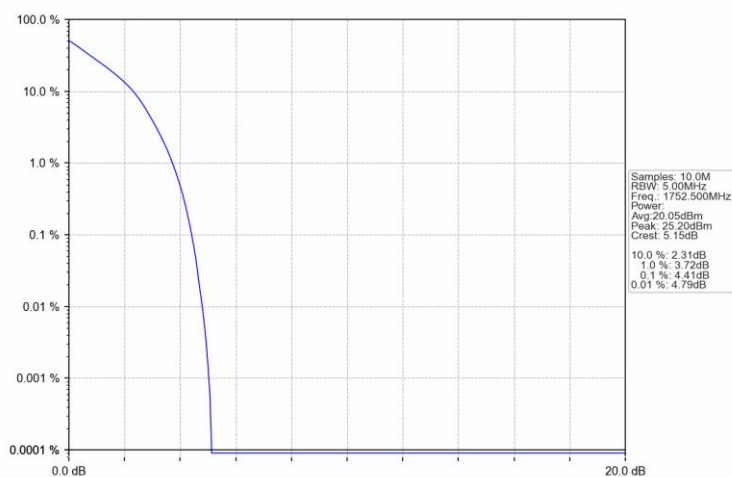
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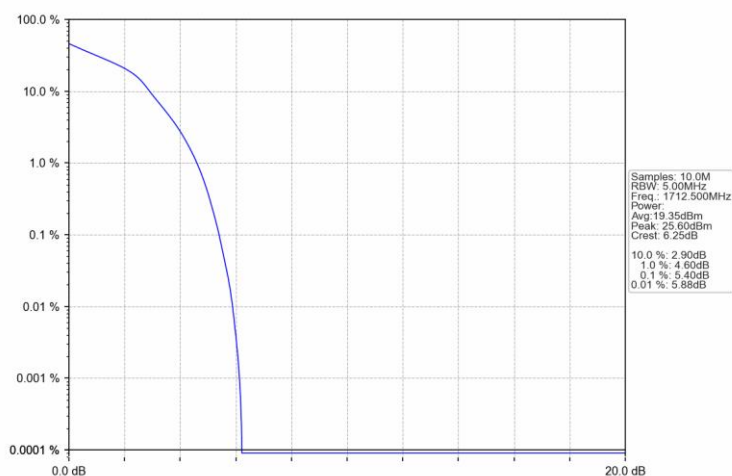
5.2.3 B4_5MHz



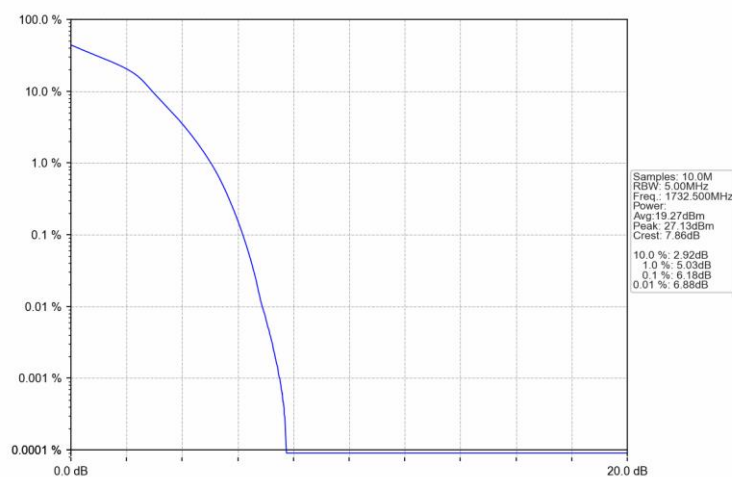
Band4 5MHz QPSK HCH 1752.5MHz RB 25 0 NTNV



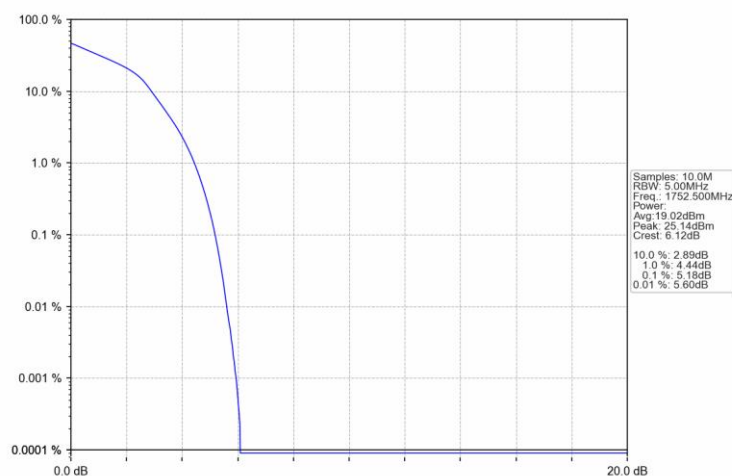
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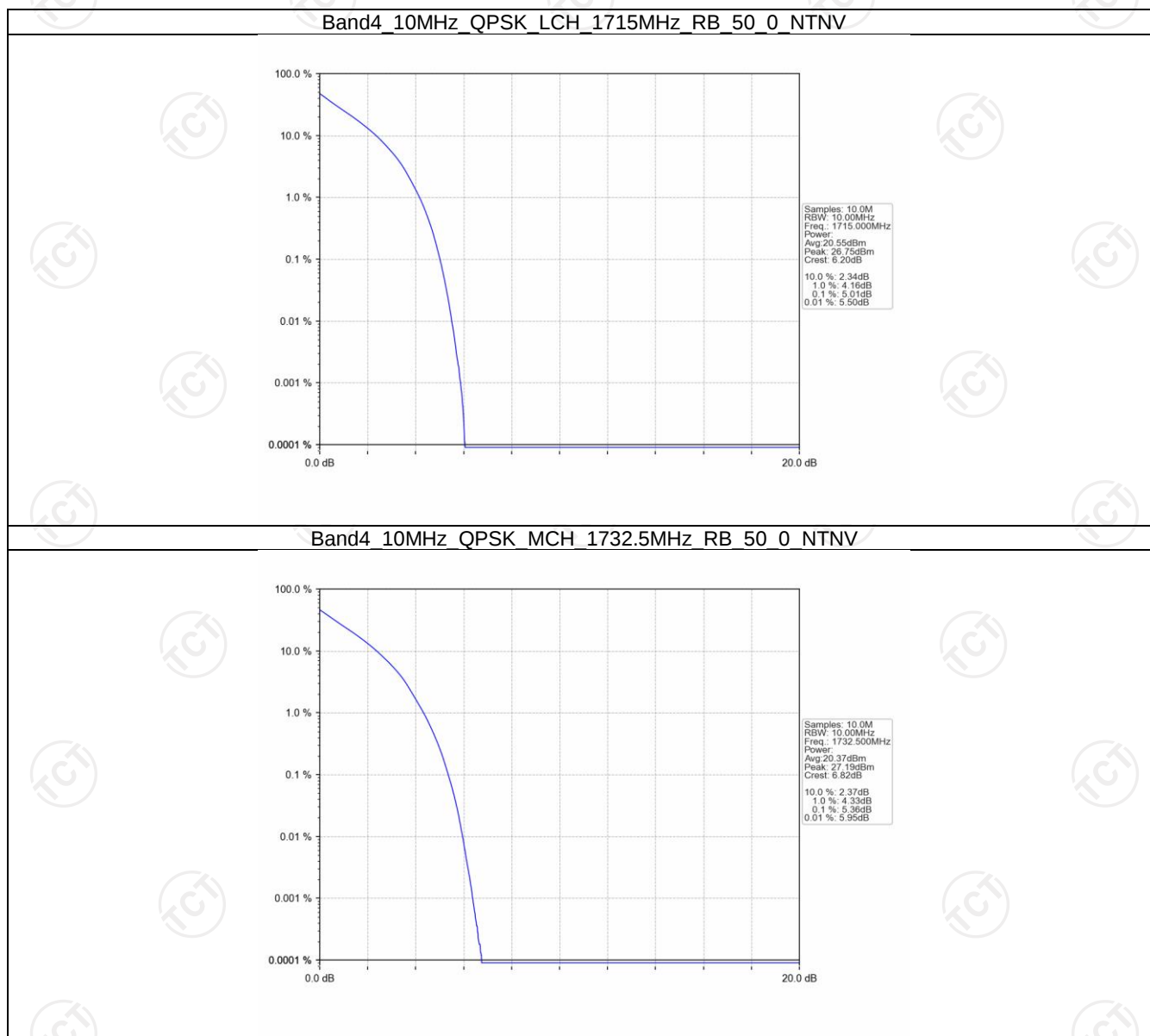
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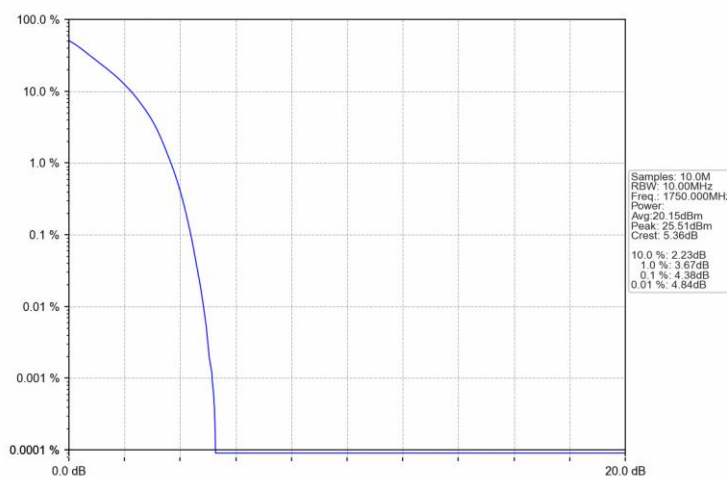
Band4 5MHz 16QAM HCH 1752.5MHz RB 25 0 NTNV



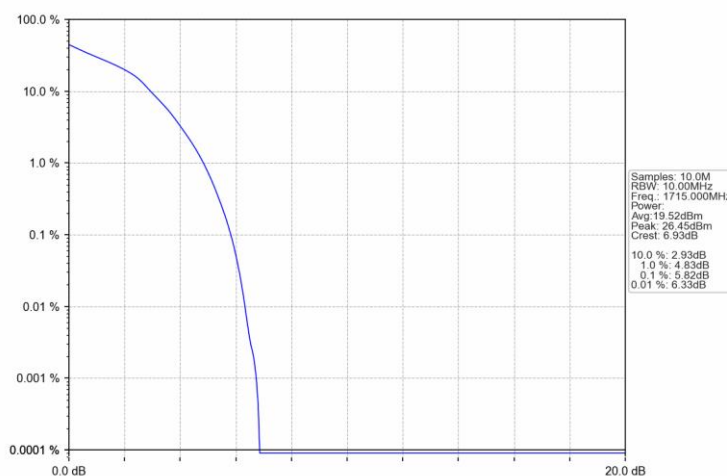
5.2.4 B4_10MHz



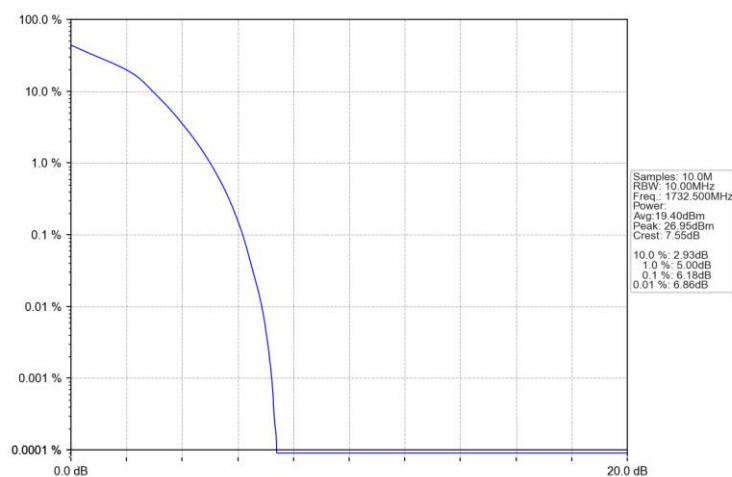
Band4 10MHz QPSK HCH 1750MHz RB 50 0 NTNV



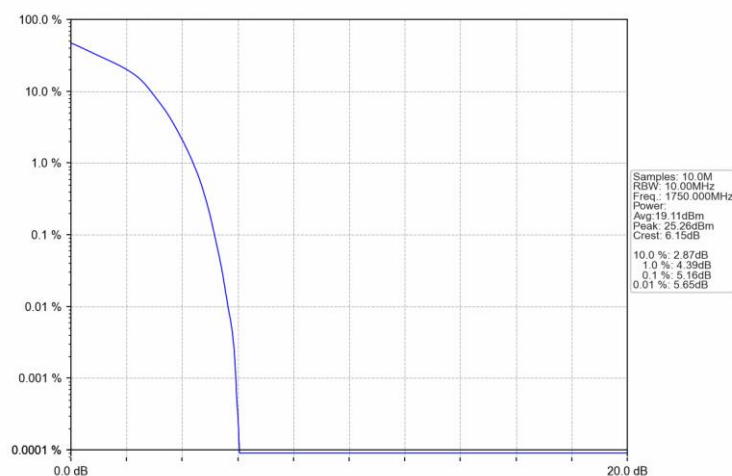
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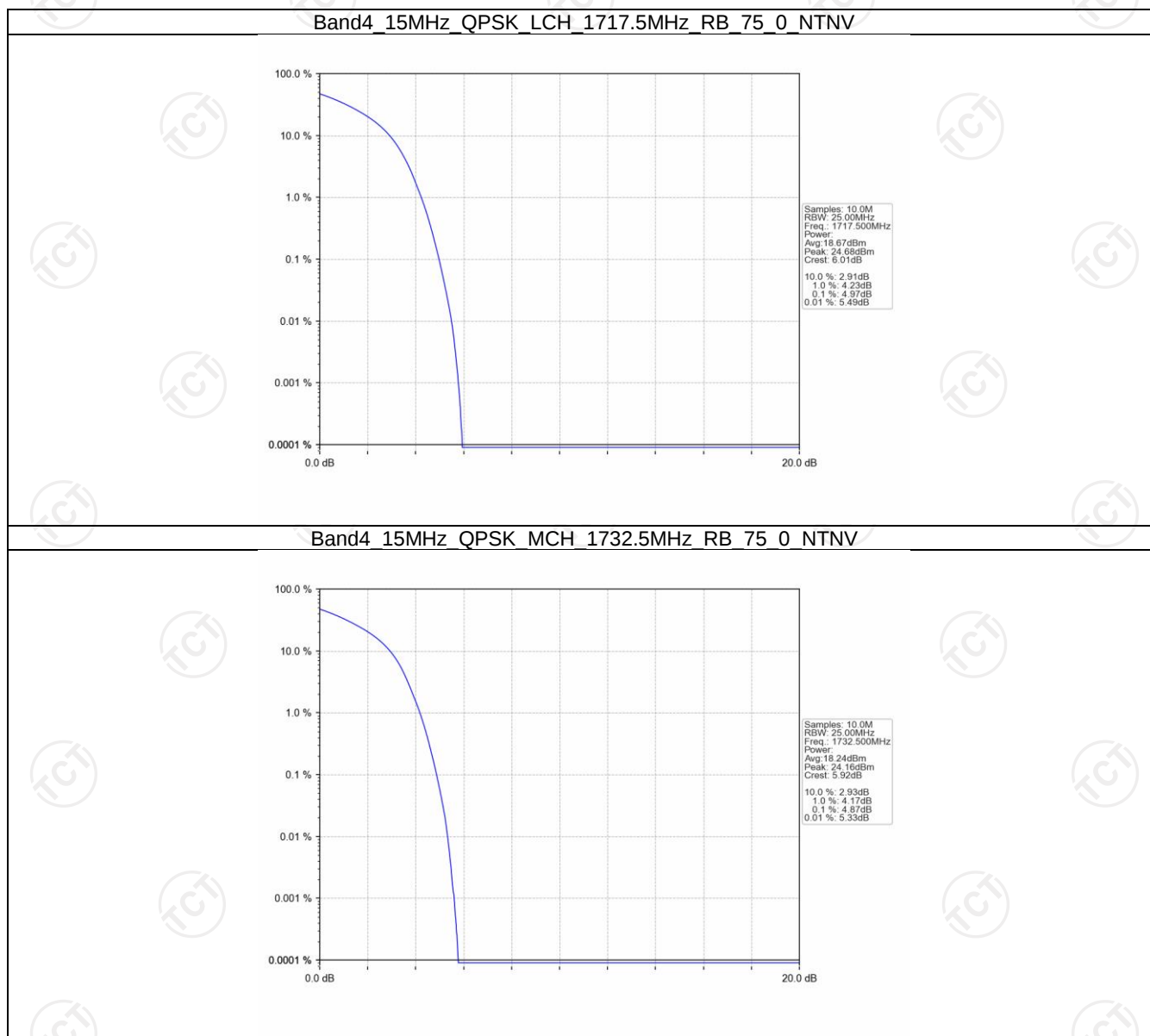
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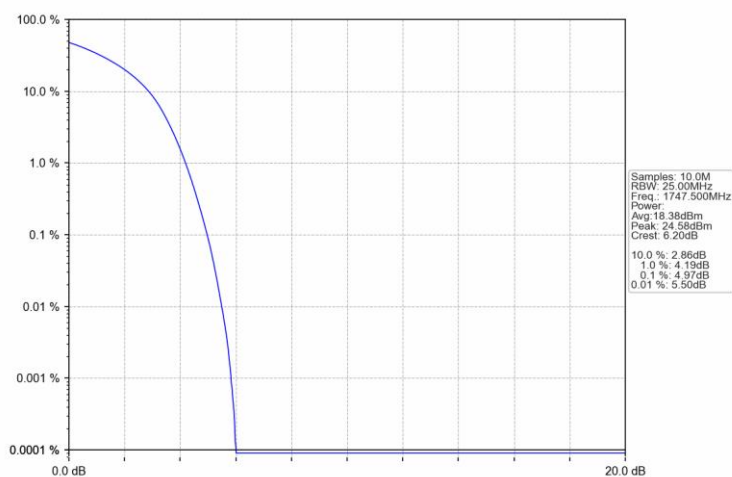
Band4 10MHz 16QAM HCH 1750MHz RB 50 0 NTN



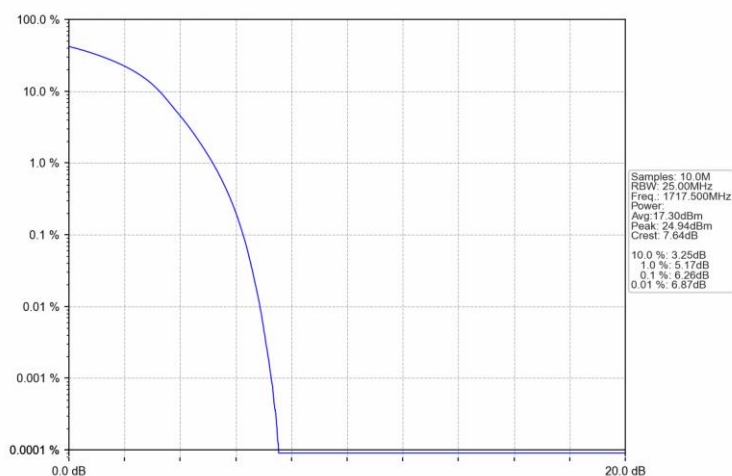
5.2.5 B4_15MHz



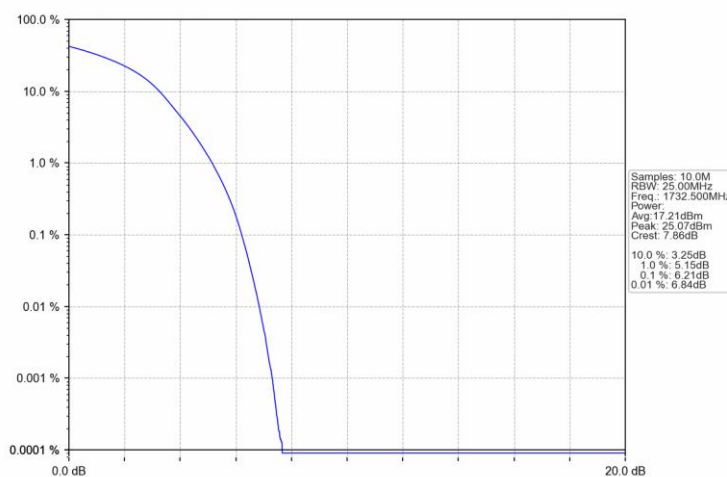
Band4 15MHz QPSK HCH 1747.5MHz RB 75 0 NTV



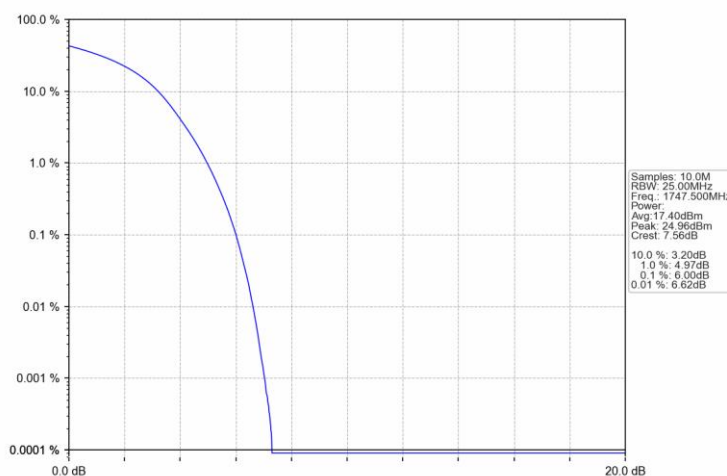
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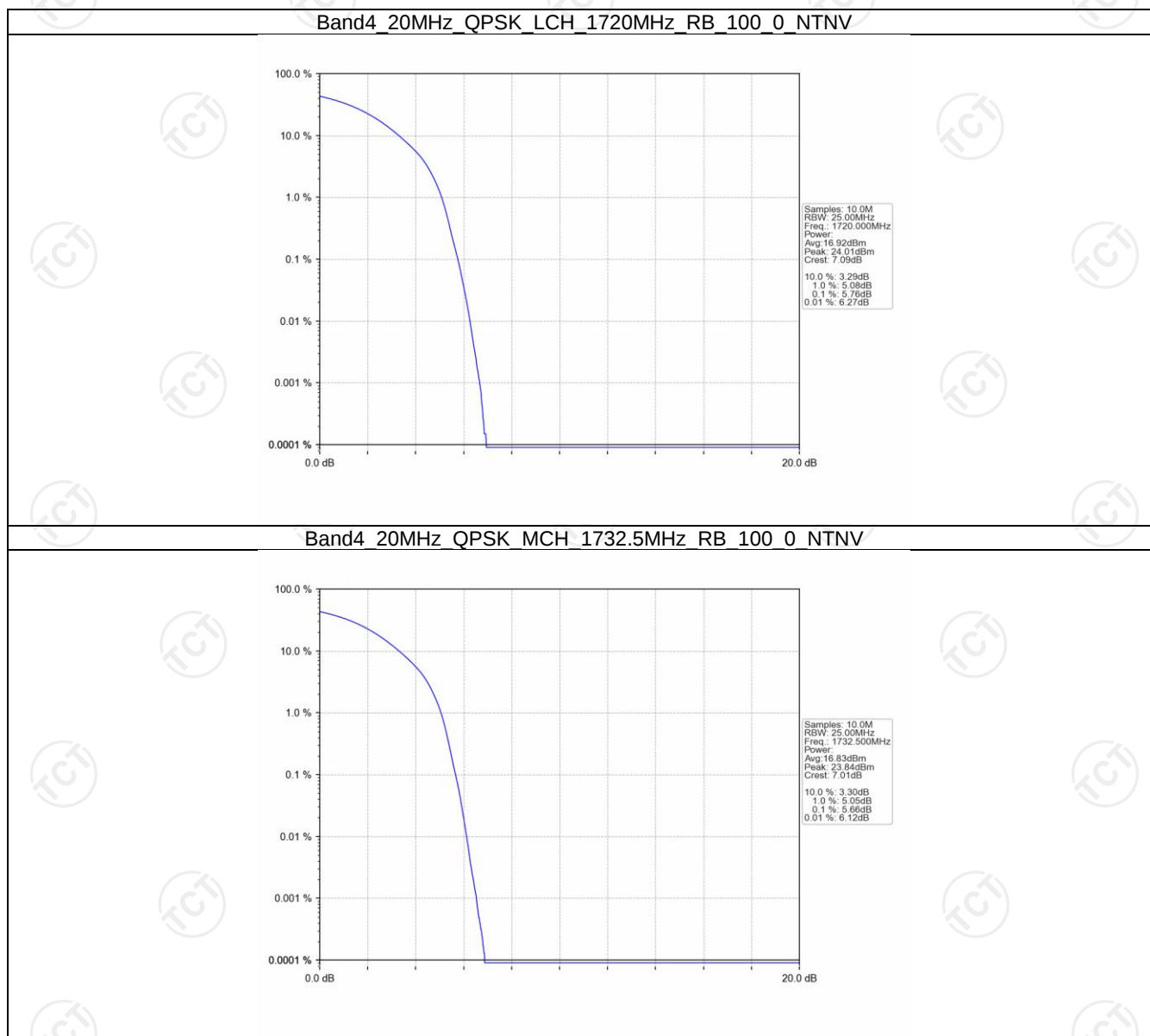
Band4 15MHz 16QAM MCH 1732.5MHz RB 75 0 NTN



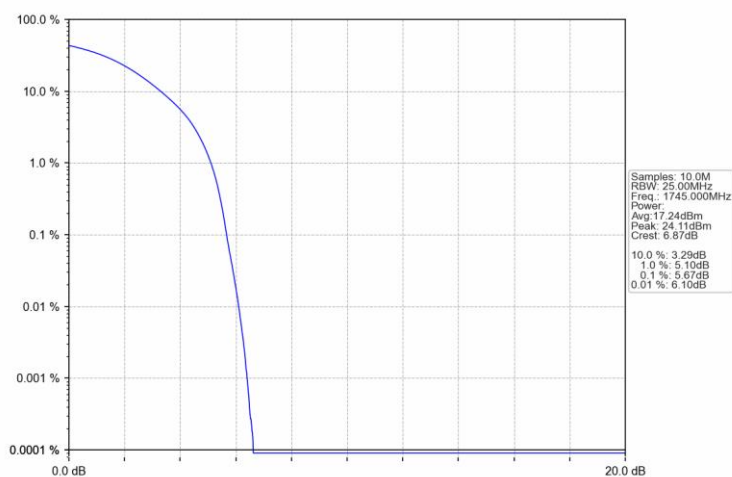
Band4 15MHz 16QAM HCH 1747.5MHz RB 75 0 NTN



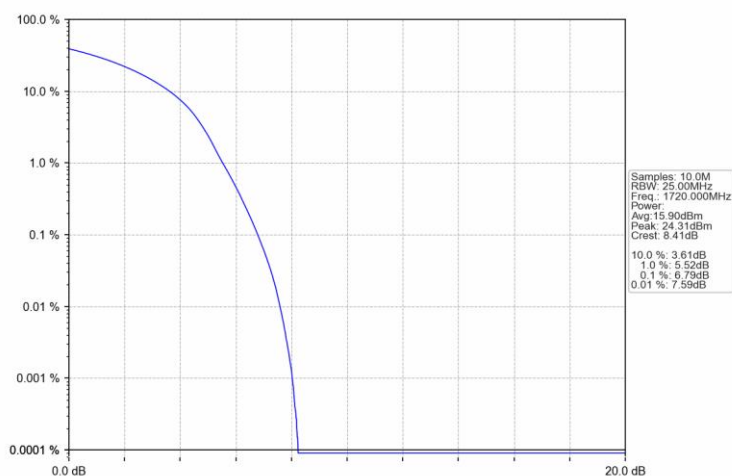
5.2.6 B4_20MHz



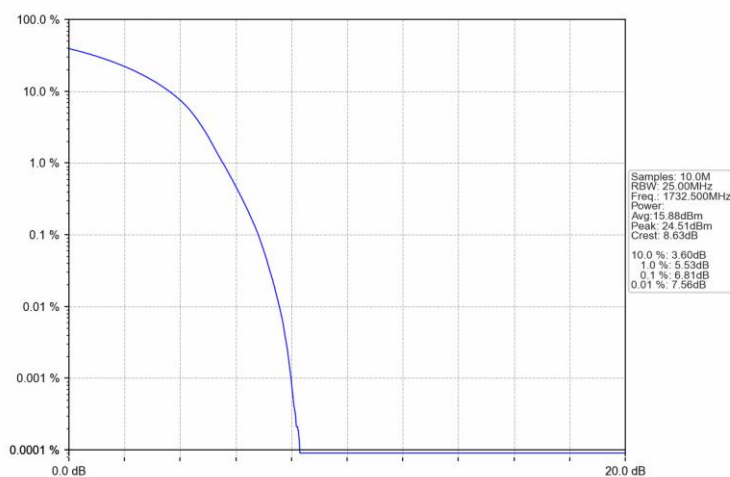
Band4 20MHz QPSK HCH 1745MHz RB 100 0 NTNV



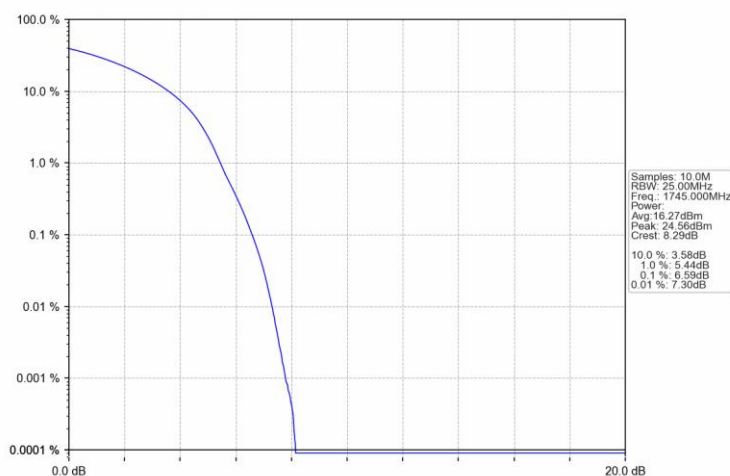
Band4 20MHz 16QAM LCH 1720MHz RB 100 0 NTNV



Band4 20MHz 16QAM MCH 1732.5MHz RB 100 0 NTN



Band4 20MHz 16QAM HCH 1745MHz RB 100 0 NTN



6. Spurious Emission

6.1 Test Result

6.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1710.7	1	0	Refer To Test Graph		Pass
		6	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			5	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.2 B4_3MHz

Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1711.5	1	0	Refer To Test Graph		Pass
		15	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			14	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass

6.1.3 B4_5MHz

Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	1732.5	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
			0	Refer To Test Graph		Pass
16QAM	1712.5	1	0	Refer To Test Graph		Pass