

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	21.73	1.95	23.68	<=30	Pass
			2	21.85	1.95	23.80	<=30	Pass
			5	21.72	1.95	23.67	<=30	Pass
		3	0	21.81	1.95	23.76	<=30	Pass
			2	21.85	1.95	23.80	<=30	Pass
			3	21.83	1.95	23.78	<=30	Pass
		6	0	20.78	1.95	22.73	<=30	Pass
	1732.5	1	0	21.52	1.95	23.47	<=30	Pass
			2	21.64	1.95	23.59	<=30	Pass
			5	21.54	1.95	23.49	<=30	Pass
		3	0	21.67	1.95	23.62	<=30	Pass
			2	21.70	1.95	23.65	<=30	Pass
			3	21.66	1.95	23.61	<=30	Pass
		6	0	20.63	1.95	22.58	<=30	Pass
	1754.3	1	0	21.41	1.95	23.36	<=30	Pass
			2	21.52	1.95	23.47	<=30	Pass
			5	21.42	1.95	23.37	<=30	Pass
		3	0	21.56	1.95	23.51	<=30	Pass
			2	21.57	1.95	23.52	<=30	Pass
			3	21.56	1.95	23.51	<=30	Pass
		6	0	20.49	1.95	22.44	<=30	Pass
16QAM	1710.7	1	0	20.73	1.95	22.68	<=30	Pass
			2	20.85	1.95	22.80	<=30	Pass
			5	20.75	1.95	22.70	<=30	Pass
		3	0	20.87	1.95	22.82	<=30	Pass
			2	20.89	1.95	22.84	<=30	Pass
			3	20.87	1.95	22.82	<=30	Pass
		6	0	19.77	1.95	21.72	<=30	Pass
	1732.5	1	0	20.73	1.95	22.68	<=30	Pass
			2	20.82	1.95	22.77	<=30	Pass
			5	20.71	1.95	22.66	<=30	Pass
		3	0	20.65	1.95	22.60	<=30	Pass
			2	20.67	1.95	22.62	<=30	Pass
			3	20.67	1.95	22.62	<=30	Pass
		6	0	19.68	1.95	21.63	<=30	Pass
	1754.3	1	0	20.45	1.95	22.40	<=30	Pass
			2	20.56	1.95	22.51	<=30	Pass
			5	20.45	1.95	22.40	<=30	Pass
		3	0	20.71	1.95	22.66	<=30	Pass
			2	20.80	1.95	22.75	<=30	Pass
			3	20.67	1.95	22.62	<=30	Pass
		6	0	19.52	1.95	21.47	<=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	21.76	1.95	23.71	<=30	Pass
			7	21.90	1.95	23.85	<=30	Pass
			14	21.72	1.95	23.67	<=30	Pass
		8	0	20.75	1.95	22.70	<=30	Pass
			4	20.76	1.95	22.71	<=30	Pass
			7	20.73	1.95	22.68	<=30	Pass
		15	0	20.71	1.95	22.66	<=30	Pass
	1732.5	1	0	21.52	1.95	23.47	<=30	Pass
			7	21.68	1.95	23.63	<=30	Pass
			14	21.52	1.95	23.47	<=30	Pass
		8	0	20.58	1.95	22.53	<=30	Pass
			4	20.58	1.95	22.53	<=30	Pass
			7	20.53	1.95	22.48	<=30	Pass
		15	0	20.57	1.95	22.52	<=30	Pass
	1753.5	1	0	22.84	1.95	24.79	<=30	Pass
			7	23.03	1.95	24.98	<=30	Pass
			14	22.88	1.95	24.83	<=30	Pass
		8	0	21.88	1.95	23.83	<=30	Pass
			4	21.93	1.95	23.88	<=30	Pass
			7	21.87	1.95	23.82	<=30	Pass
		15	0	21.89	1.95	23.84	<=30	Pass
16QAM	1711.5	1	0	20.79	1.95	22.74	<=30	Pass
			7	20.90	1.95	22.85	<=30	Pass
			14	20.70	1.95	22.65	<=30	Pass
		8	0	19.86	1.95	21.81	<=30	Pass
			4	19.87	1.95	21.82	<=30	Pass
			7	19.83	1.95	21.78	<=30	Pass
		15	0	19.84	1.95	21.79	<=30	Pass
	1732.5	1	0	20.76	1.95	22.71	<=30	Pass
			7	20.83	1.95	22.78	<=30	Pass
			14	21.66	1.95	23.61	<=30	Pass
		8	0	20.49	1.95	22.44	<=30	Pass
			4	20.54	1.95	22.49	<=30	Pass
			7	20.53	1.95	22.48	<=30	Pass
		15	0	20.51	1.95	22.46	<=30	Pass
	1753.5	1	0	22.41	1.95	24.36	<=30	Pass
			7	22.58	1.95	24.53	<=30	Pass
			14	22.41	1.95	24.36	<=30	Pass
		8	0	21.05	1.95	23.00	<=30	Pass
			4	21.08	1.95	23.03	<=30	Pass
			7	21.06	1.95	23.01	<=30	Pass
		15	0	20.96	1.95	22.91	<=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	21.70	1.95	23.65	<=30	Pass
			13	21.92	1.95	23.87	<=30	Pass
			24	21.86	1.95	23.81	<=30	Pass
		12	0	20.79	1.95	22.74	<=30	Pass
			6	20.92	1.95	22.87	<=30	Pass
			13	20.92	1.95	22.87	<=30	Pass

16QAM	1732.5	25	0	20.83	1.95	22.78	<=30	Pass
		1	0	22.34	1.95	24.29	<=30	Pass
			13	22.52	1.95	24.47	<=30	Pass
			24	22.43	1.95	24.38	<=30	Pass
		12	0	21.45	1.95	23.40	<=30	Pass
			6	21.52	1.95	23.47	<=30	Pass
			13	21.50	1.95	23.45	<=30	Pass
		25	0	21.49	1.95	23.44	<=30	Pass
	1752.5	1	0	22.69	1.95	24.64	<=30	Pass
			13	22.87	1.95	24.82	<=30	Pass
			24	22.78	1.95	24.73	<=30	Pass
		12	0	21.78	1.95	23.73	<=30	Pass
			6	21.88	1.95	23.83	<=30	Pass
			13	21.82	1.95	23.77	<=30	Pass
		25	0	21.82	1.95	23.77	<=30	Pass
	1712.5	1	0	20.80	1.95	22.75	<=30	Pass
			13	21.00	1.95	22.95	<=30	Pass
			24	20.94	1.95	22.89	<=30	Pass
		12	0	19.83	1.95	21.78	<=30	Pass
			6	19.96	1.95	21.91	<=30	Pass
			13	19.93	1.95	21.88	<=30	Pass
		25	0	19.95	1.95	21.90	<=30	Pass
	1732.5	1	0	21.61	1.95	23.56	<=30	Pass
			13	21.81	1.95	23.76	<=30	Pass
			24	21.71	1.95	23.66	<=30	Pass
		12	0	20.56	1.95	22.51	<=30	Pass
			6	20.62	1.95	22.57	<=30	Pass
			13	20.63	1.95	22.58	<=30	Pass
		25	0	20.54	1.95	22.49	<=30	Pass
	1752.5	1	0	21.56	1.95	23.51	<=30	Pass
			13	21.69	1.95	23.64	<=30	Pass
			24	21.61	1.95	23.56	<=30	Pass
		12	0	20.78	1.95	22.73	<=30	Pass
			6	20.89	1.95	22.84	<=30	Pass
			13	20.79	1.95	22.74	<=30	Pass
		25	0	20.85	1.95	22.80	<=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	21.78	1.95	23.73	<=30	Pass
			25	22.14	1.95	24.09	<=30	Pass
			49	22.10	1.95	24.05	<=30	Pass
		25	0	20.89	1.95	22.84	<=30	Pass
			13	20.97	1.95	22.92	<=30	Pass
			25	21.08	1.95	23.03	<=30	Pass
		50	0	21.00	1.95	22.95	<=30	Pass
	1732.5	1	0	22.27	1.95	24.22	<=30	Pass
			25	22.61	1.95	24.56	<=30	Pass
			49	22.51	1.95	24.46	<=30	Pass
		25	0	21.44	1.95	23.39	<=30	Pass
			13	21.50	1.95	23.45	<=30	Pass
			25	21.60	1.95	23.55	<=30	Pass
		50	0	21.53	1.95	23.48	<=30	Pass

16QAM	1750	1	0	22.62	1.95	24.57	<=30	Pass
			25	22.90	1.95	24.85	<=30	Pass
			49	22.80	1.95	24.75	<=30	Pass
		25	0	21.73	1.95	23.68	<=30	Pass
			13	21.80	1.95	23.75	<=30	Pass
			25	21.80	1.95	23.75	<=30	Pass
		50	0	21.75	1.95	23.70	<=30	Pass
	1715	1	0	20.79	1.95	22.74	<=30	Pass
			25	21.15	1.95	23.10	<=30	Pass
			49	21.10	1.95	23.05	<=30	Pass
		25	0	20.07	1.95	22.02	<=30	Pass
			13	20.13	1.95	22.08	<=30	Pass
			25	20.23	1.95	22.18	<=30	Pass
		50	0	20.09	1.95	22.04	<=30	Pass
	1732.5	1	0	21.51	1.95	23.46	<=30	Pass
			25	21.80	1.95	23.75	<=30	Pass
			49	21.71	1.95	23.66	<=30	Pass
		25	0	20.55	1.95	22.50	<=30	Pass
			13	20.61	1.95	22.56	<=30	Pass
			25	20.71	1.95	22.66	<=30	Pass
		50	0	20.65	1.95	22.60	<=30	Pass
	1750	1	0	22.20	1.95	24.15	<=30	Pass
			25	22.45	1.95	24.40	<=30	Pass
			49	22.35	1.95	24.30	<=30	Pass
		25	0	20.80	1.95	22.75	<=30	Pass
			13	20.86	1.95	22.81	<=30	Pass
			25	20.85	1.95	22.80	<=30	Pass
		50	0	20.79	1.95	22.74	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B4_15MHz_EIRP

Band: 4 / Bandwidth: 15MHz / NTNv								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	21.66	1.95	23.61	<=30	Pass
			38	22.05	1.95	24.00	<=30	Pass
			74	22.12	1.95	24.07	<=30	Pass
		36	0	20.92	1.95	22.87	<=30	Pass
			18	21.06	1.95	23.01	<=30	Pass
			39	21.16	1.95	23.11	<=30	Pass
		75	0	21.04	1.95	22.99	<=30	Pass
	1732.5	1	0	22.18	1.95	24.13	<=30	Pass
			38	22.45	1.95	24.40	<=30	Pass
			74	22.50	1.95	24.45	<=30	Pass
		36	0	21.43	1.95	23.38	<=30	Pass
			18	21.49	1.95	23.44	<=30	Pass
			39	21.61	1.95	23.56	<=30	Pass
		75	0	21.52	1.95	23.47	<=30	Pass
	1747.5	1	0	22.48	1.95	24.43	<=30	Pass
			38	22.76	1.95	24.71	<=30	Pass
			74	22.69	1.95	24.64	<=30	Pass
		36	0	21.68	1.95	23.63	<=30	Pass
			18	21.80	1.95	23.75	<=30	Pass
			39	21.80	1.95	23.75	<=30	Pass
		75	0	21.76	1.95	23.71	<=30	Pass
16QAM	1717.5	1	0	21.07	1.95	23.02	<=30	Pass

			38	21.47	1.95	23.42	<=30	Pass
			74	21.55	1.95	23.50	<=30	Pass
		36	0	19.97	1.95	21.92	<=30	Pass
			18	20.07	1.95	22.02	<=30	Pass
			39	20.18	1.95	22.13	<=30	Pass
		75	0	20.09	1.95	22.04	<=30	Pass
		1732.5	1	0	21.36	1.95	23.31	<=30
	38			21.66	1.95	23.61	<=30	Pass
	74			21.68	1.95	23.63	<=30	Pass
	36		0	20.45	1.95	22.40	<=30	Pass
			18	20.56	1.95	22.51	<=30	Pass
			39	20.65	1.95	22.60	<=30	Pass
	75		0	20.57	1.95	22.52	<=30	Pass
	1747.5	1	0	22.07	1.95	24.02	<=30	Pass
			38	22.29	1.95	24.24	<=30	Pass
			74	22.27	1.95	24.22	<=30	Pass
		36	0	20.74	1.95	22.69	<=30	Pass
			18	20.82	1.95	22.77	<=30	Pass
			39	20.81	1.95	22.76	<=30	Pass
		75	0	20.74	1.95	22.69	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

Band: 4 / Bandwidth: 20MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1720	1	0	21.51	1.95	23.46	<=30	Pass		
			50	22.23	1.95	24.18	<=30	Pass		
			99	22.12	1.95	24.07	<=30	Pass		
		50	0	21.00	1.95	22.95	<=30	Pass		
			25	21.13	1.95	23.08	<=30	Pass		
			50	21.25	1.95	23.20	<=30	Pass		
		100	0	21.13	1.95	23.08	<=30	Pass		
			1732.5	1	0	21.97	1.95	23.92	<=30	Pass
					50	22.63	1.95	24.58	<=30	Pass
		99			22.42	1.95	24.37	<=30	Pass	
		50		0	21.38	1.95	23.33	<=30	Pass	
				25	21.52	1.95	23.47	<=30	Pass	
	50			21.62	1.95	23.57	<=30	Pass		
	1745	1	0	21.52	1.95	23.47	<=30	Pass		
			0	22.24	1.95	24.19	<=30	Pass		
			50	22.84	1.95	24.79	<=30	Pass		
		50	99	22.56	1.95	24.51	<=30	Pass		
			0	21.59	1.95	23.54	<=30	Pass		
			25	21.68	1.95	23.63	<=30	Pass		
	16QAM	1720	1	50	21.76	1.95	23.71	<=30	Pass	
				100	0	21.71	1.95	23.66	<=30	Pass
				0	21.09	1.95	23.04	<=30	Pass	
			50	50	21.81	1.95	23.76	<=30	Pass	
				99	21.69	1.95	23.64	<=30	Pass	
0				20.05	1.95	22.00	<=30	Pass		
100			25	20.21	1.95	22.16	<=30	Pass		
			50	20.31	1.95	22.26	<=30	Pass		
			0	20.22	1.95	22.17	<=30	Pass		
1732.5		1	0	21.17	1.95	23.12	<=30	Pass		
			50	21.85	1.95	23.80	<=30	Pass		

		50	99	21.62	1.95	23.57	<=30	Pass
			0	20.43	1.95	22.38	<=30	Pass
			25	20.58	1.95	22.53	<=30	Pass
			50	20.72	1.95	22.67	<=30	Pass
	100	0	0	20.59	1.95	22.54	<=30	Pass
			0	21.56	1.95	23.51	<=30	Pass
			50	22.08	1.95	24.03	<=30	Pass
			99	21.87	1.95	23.82	<=30	Pass
	1745	1	0	20.64	1.95	22.59	<=30	Pass
			25	20.77	1.95	22.72	<=30	Pass
			50	20.78	1.95	22.73	<=30	Pass
			100	20.74	1.95	22.69	<=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	-9.627	-0.0056	-2.5 to 2.5	Pass
					3.85	-5.722	-0.0033	-2.5 to 2.5	Pass
					4.43	-8.426	-0.0049	-2.5 to 2.5	Pass
				-30	3.85	-8.068	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-3.004	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-3.648	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
	1732.5	6	0	50	3.85	-4.234	-0.0025	-2.5 to 2.5	Pass
				20	3.27	-9.212	-0.0053	-2.5 to 2.5	Pass
					3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
					4.43	-3.462	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-11.044	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-12.116	-0.0070	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-3.576	-0.0021	-2.5 to 2.5	Pass
				10	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				30	3.85	1.945	0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	40	3.85	-6.967	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-8.225	-0.0047	-2.5 to 2.5	Pass
				20	3.27	-5.693	-0.0032	-2.5 to 2.5	Pass
					3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.330	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.276	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-7.567	-0.0043	-2.5 to 2.5	Pass
				-10	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-9.570	-0.0055	-2.5 to 2.5	Pass
				10	3.85	-13.304	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-8.354	-0.0048	-2.5 to 2.5	Pass
				50	3.85	-8.011	-0.0046	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	-8.454	-0.0049	-2.5 to 2.5	Pass
					3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.762	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.706	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-5.336	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-5.293	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-4.234	-0.0025	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.85	-7.281	-0.0043	-2.5 to 2.5	Pass
					4.43	-4.506	-0.0026	-2.5 to 2.5	Pass
					3.27	-6.294	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-8.883	-0.0051	-2.5 to 2.5	Pass
				-20	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-7.625	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-4.735	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-1.903	-0.0011	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.85	-9.398	-0.0054	-2.5 to 2.5	Pass
					3.27	-5.608	-0.0032	-2.5 to 2.5	Pass
					3.85	-11.902	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-6.909	-0.0040	-2.5 to 2.5	Pass
				-20	3.27	-0.257	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.988	-0.0011	-2.5 to 2.5	Pass
				0	4.43	-4.649	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-11.158	-0.0064	-2.5 to 2.5	Pass
				30	3.85	-7.253	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				0	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				10	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-6.537	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-3.033	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-3.033	-0.0017	-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	-11.086	-0.0065	-2.5 to 2.5	Pass
					3.85	0.100	0.0001	-2.5 to 2.5	Pass
					4.43	-1.931	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.974	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				-10	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				0	3.85	-7.324	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
					4.43	-3.591	-0.0021	-2.5 to 2.5	Pass
					3.27	0.715	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.393	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-7.725	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				10	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-11.415	-0.0066	-2.5 to 2.5	Pass

				10	3.85	-8.297	-0.0048	-2.5 to 2.5	Pass
				30	3.85	-8.912	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-10.228	-0.0059	-2.5 to 2.5	Pass
				50	3.85	-7.911	-0.0046	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-7.081	-0.0040	-2.5 to 2.5	Pass
					3.85	-11.387	-0.0065	-2.5 to 2.5	Pass
					4.43	-4.649	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-11.201	-0.0064	-2.5 to 2.5	Pass
				-20	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				0	3.85	-11.888	-0.0068	-2.5 to 2.5	Pass
				10	3.85	-4.077	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-11.559	-0.0066	-2.5 to 2.5	Pass
				40	3.85	-2.575	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	-7.138	-0.0042	-2.5 to 2.5	Pass
					3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
					4.43	-1.574	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-4.721	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	0.272	0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
				10	3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
				30	3.85	-11.473	-0.0067	-2.5 to 2.5	Pass
				40	3.85	-7.825	-0.0046	-2.5 to 2.5	Pass
				50	3.85	0.029	0.0000	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-3.633	-0.0021	-2.5 to 2.5	Pass
					3.85	-13.633	-0.0079	-2.5 to 2.5	Pass
					4.43	-11.702	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-13.433	-0.0078	-2.5 to 2.5	Pass
				-20	3.85	-10.157	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-4.091	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-5.608	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-7.396	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-5.021	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-9.413	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	-7.224	-0.0041	-2.5 to 2.5	Pass
					3.85	-6.738	-0.0038	-2.5 to 2.5	Pass
					4.43	-8.383	-0.0048	-2.5 to 2.5	Pass
				-30	3.85	-6.208	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-4.263	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	-6.409	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-5.507	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass
				50	3.85	-9.556	-0.0054	-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	-5.894	-0.0034	-2.5 to 2.5	Pass
					3.85	-8.984	-0.0052	-2.5 to 2.5	Pass
					4.43	-3.119	-0.0018	-2.5 to 2.5	Pass

				-30	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-3.376	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-5.336	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
				30	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				40	3.85	-6.938	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.172	0.0001	-2.5 to 2.5	Pass
					3.85	-5.665	-0.0033	-2.5 to 2.5	Pass
					4.43	-7.539	-0.0044	-2.5 to 2.5	Pass
				-30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-4.621	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-6.924	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-7.153	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-7.067	-0.0041	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-8.540	-0.0049	-2.5 to 2.5	Pass
					3.85	-3.433	-0.0020	-2.5 to 2.5	Pass
					4.43	2.031	0.0012	-2.5 to 2.5	Pass
				-30	3.85	-9.556	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-7.768	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-3.977	-0.0023	-2.5 to 2.5	Pass
				30	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-8.512	-0.0049	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-4.950	-0.0029	-2.5 to 2.5	Pass
					3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-7.625	-0.0045	-2.5 to 2.5	Pass
				-20	3.85	-3.834	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-7.339	-0.0043	-2.5 to 2.5	Pass
				10	3.85	-2.704	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-3.705	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-4.807	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-9.155	-0.0053	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	-2.189	-0.0013	-2.5 to 2.5	Pass
					3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
					4.43	-6.380	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-6.738	-0.0039	-2.5 to 2.5	Pass
				-10	3.85	-1.459	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-4.263	-0.0025	-2.5 to 2.5	Pass
				10	3.85	-9.098	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-7.482	-0.0043	-2.5 to 2.5	Pass
				40	3.85	-0.315	-0.0002	-2.5 to 2.5	Pass
				50	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-5.393	-0.0031	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
					4.43	-2.689	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-5.693	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass

				10	3.85	-3.090	-0.0018	-2.5 to 2.5	Pass
				30	3.85	3.276	0.0019	-2.5 to 2.5	Pass
				40	3.85	-7.210	-0.0041	-2.5 to 2.5	Pass
				50	3.85	-3.705	-0.0021	-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	-4.935	-0.0029	-2.5 to 2.5	Pass
					3.85	-6.881	-0.0040	-2.5 to 2.5	Pass
					4.43	-4.392	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-5.922	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-5.751	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-7.353	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-5.879	-0.0034	-2.5 to 2.5	Pass
					3.85	-1.817	-0.0010	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-7.095	-0.0041	-2.5 to 2.5	Pass
				-20	3.85	-9.255	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-2.661	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-4.077	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-7.668	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-9.727	-0.0056	-2.5 to 2.5	Pass
				50	3.85	-2.875	-0.0017	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	-2.832	-0.0016	-2.5 to 2.5	Pass
					3.85	-5.479	-0.0031	-2.5 to 2.5	Pass
					4.43	-8.955	-0.0051	-2.5 to 2.5	Pass
				-30	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.519	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-9.470	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-4.420	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-7.553	-0.0043	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-4.749	-0.0028	-2.5 to 2.5	Pass
					3.85	-8.097	-0.0047	-2.5 to 2.5	Pass
					4.43	-2.661	-0.0016	-2.5 to 2.5	Pass
				-30	3.85	-9.928	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-3.734	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				10	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-4.749	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				50	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-2.933	-0.0017	-2.5 to 2.5	Pass
					3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
					4.43	-6.895	-0.0040	-2.5 to 2.5	Pass

				-30	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				-20	3.85	-10.700	-0.0062	-2.5 to 2.5	Pass
				-10	3.85	-7.467	-0.0043	-2.5 to 2.5	Pass
				0	3.85	-6.466	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-7.982	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-5.708	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-5.121	-0.0030	-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	-6.323	-0.0036	-2.5 to 2.5	Pass
					3.85	-7.567	-0.0043	-2.5 to 2.5	Pass
					4.43	-5.937	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-5.107	-0.0029	-2.5 to 2.5	Pass
				10	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
				30	3.85	-3.033	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-7.997	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-6.423	-0.0037	-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	-8.326	-0.0048	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
					4.43	-7.267	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-7.439	-0.0043	-2.5 to 2.5	Pass
				-20	3.85	-5.751	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-9.999	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-9.241	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-8.841	-0.0051	-2.5 to 2.5	Pass
				40	3.85	-6.895	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-7.510	-0.0044	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-5.708	-0.0033	-2.5 to 2.5	Pass
					3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
					4.43	-5.894	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-6.294	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-6.452	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-4.706	-0.0027	-2.5 to 2.5	Pass
				30	3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-5.994	-0.0035	-2.5 to 2.5	Pass
				50	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-4.206	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.349	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-5.636	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-2.990	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-9.098	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-2.961	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-7.710	-0.0044	-2.5 to 2.5	Pass
				30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-5.150	-0.0029	-2.5 to 2.5	Pass

16QAM	1717.5	75	0	50	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				20	3.27	-8.912	-0.0052	-2.5 to 2.5	Pass
					3.85	-7.281	-0.0042	-2.5 to 2.5	Pass
					4.43	-9.127	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-9.270	-0.0054	-2.5 to 2.5	Pass
				-20	3.85	-5.150	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-9.885	-0.0058	-2.5 to 2.5	Pass
				0	3.85	-7.796	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-5.150	-0.0030	-2.5 to 2.5	Pass
	1732.5	75	0	40	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				50	3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
				20	3.27	-2.832	-0.0016	-2.5 to 2.5	Pass
					3.85	-6.509	-0.0038	-2.5 to 2.5	Pass
					4.43	-2.489	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	-4.635	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-4.492	-0.0026	-2.5 to 2.5	Pass
				10	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
	1747.5	75	0	30	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				20	3.27	-8.712	-0.0050	-2.5 to 2.5	Pass
					3.85	-0.529	-0.0003	-2.5 to 2.5	Pass
					4.43	-4.020	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-5.922	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				0	3.85	-5.550	-0.0032	-2.5 to 2.5	Pass
				10	3.85	-9.370	-0.0054	-2.5 to 2.5	Pass
				30	3.85	-7.968	-0.0046	-2.5 to 2.5	Pass
				40	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				50	3.85	-7.496	-0.0043	-2.5 to 2.5	Pass

2.1.6 B4_20MHz

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.27	-3.691	-0.0021	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
					4.43	-3.476	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-3.777	-0.0022	-2.5 to 2.5	Pass
				-20	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-3.247	-0.0019	-2.5 to 2.5	Pass
				30	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
	1732.5	100	0	50	3.85	-2.589	-0.0015	-2.5 to 2.5	Pass
				20	3.27	-5.236	-0.0030	-2.5 to 2.5	Pass
					3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
					4.43	-7.038	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	0.029	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-6.108	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-5.436	-0.0031	-2.5 to 2.5	Pass

				0	3.85	-5.951	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				30	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-5.007	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-3.819	-0.0022	-2.5 to 2.5	Pass
					3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
					4.43	-3.662	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-6.838	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
				-10	3.85	-7.854	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.489	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-2.832	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-2.432	-0.0014	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-4.764	-0.0028	-2.5 to 2.5	Pass
					3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
					4.43	-7.024	-0.0041	-2.5 to 2.5	Pass
				-30	3.85	-4.449	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-5.765	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-4.435	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-6.166	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-6.309	-0.0037	-2.5 to 2.5	Pass
				30	3.85	-9.227	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-8.640	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-9.441	-0.0055	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-2.203	-0.0013	-2.5 to 2.5	Pass
					3.85	-2.346	-0.0014	-2.5 to 2.5	Pass
					4.43	0.415	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-0.100	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.343	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-5.593	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-2.732	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-3.748	-0.0022	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-5.293	-0.0030	-2.5 to 2.5	Pass
					3.85	-2.246	-0.0013	-2.5 to 2.5	Pass
					4.43	-4.234	-0.0024	-2.5 to 2.5	Pass
				-30	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-5.479	-0.0031	-2.5 to 2.5	Pass
				0	3.85	-7.181	-0.0041	-2.5 to 2.5	Pass
				10	3.85	-6.952	-0.0040	-2.5 to 2.5	Pass
				30	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0037	-2.5 to 2.5	Pass
				50	3.85	-2.561	-0.0015	-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	50	0	Refer To Test Graph		Pass

3.1.5 B4_15MHz

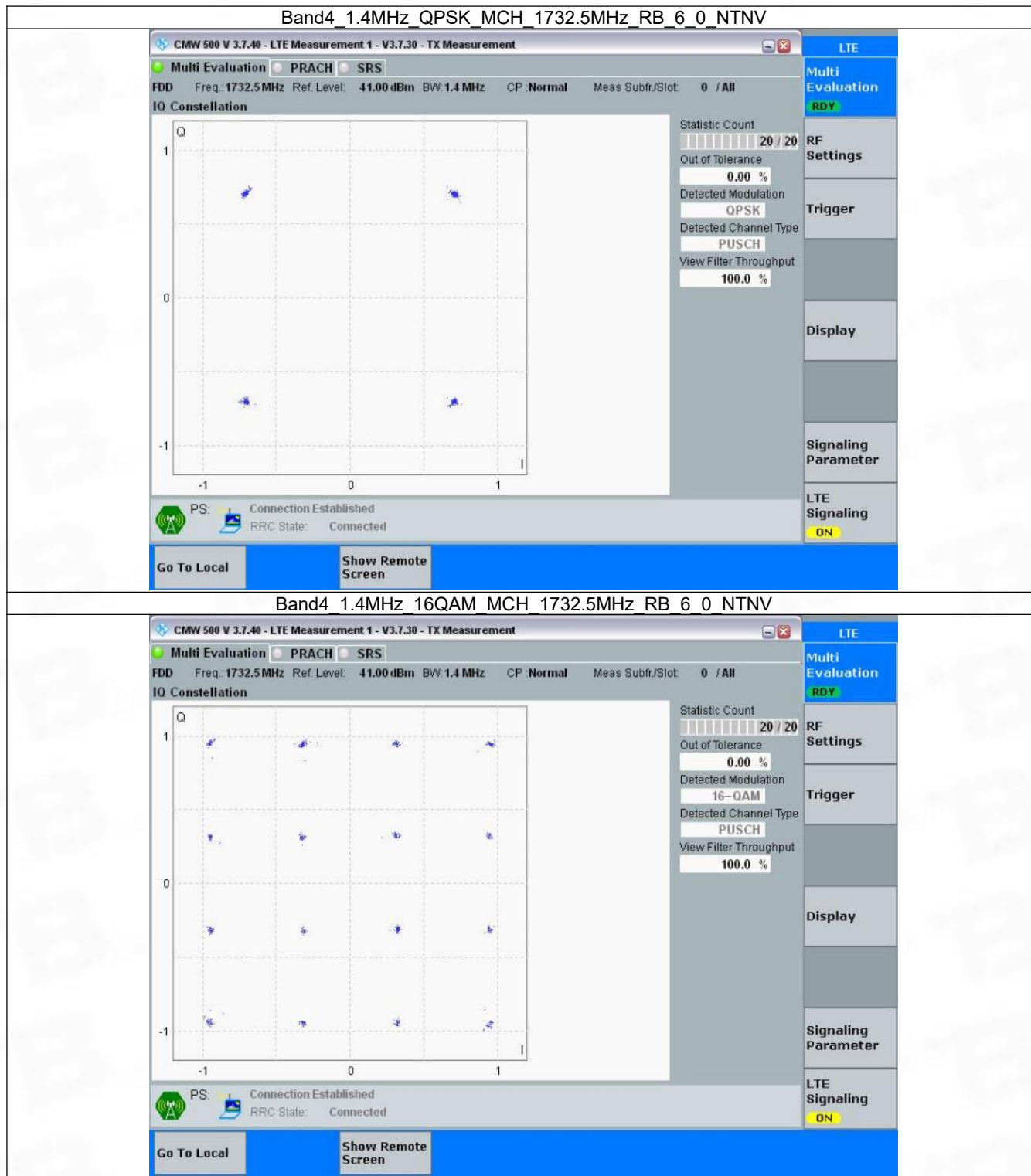
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

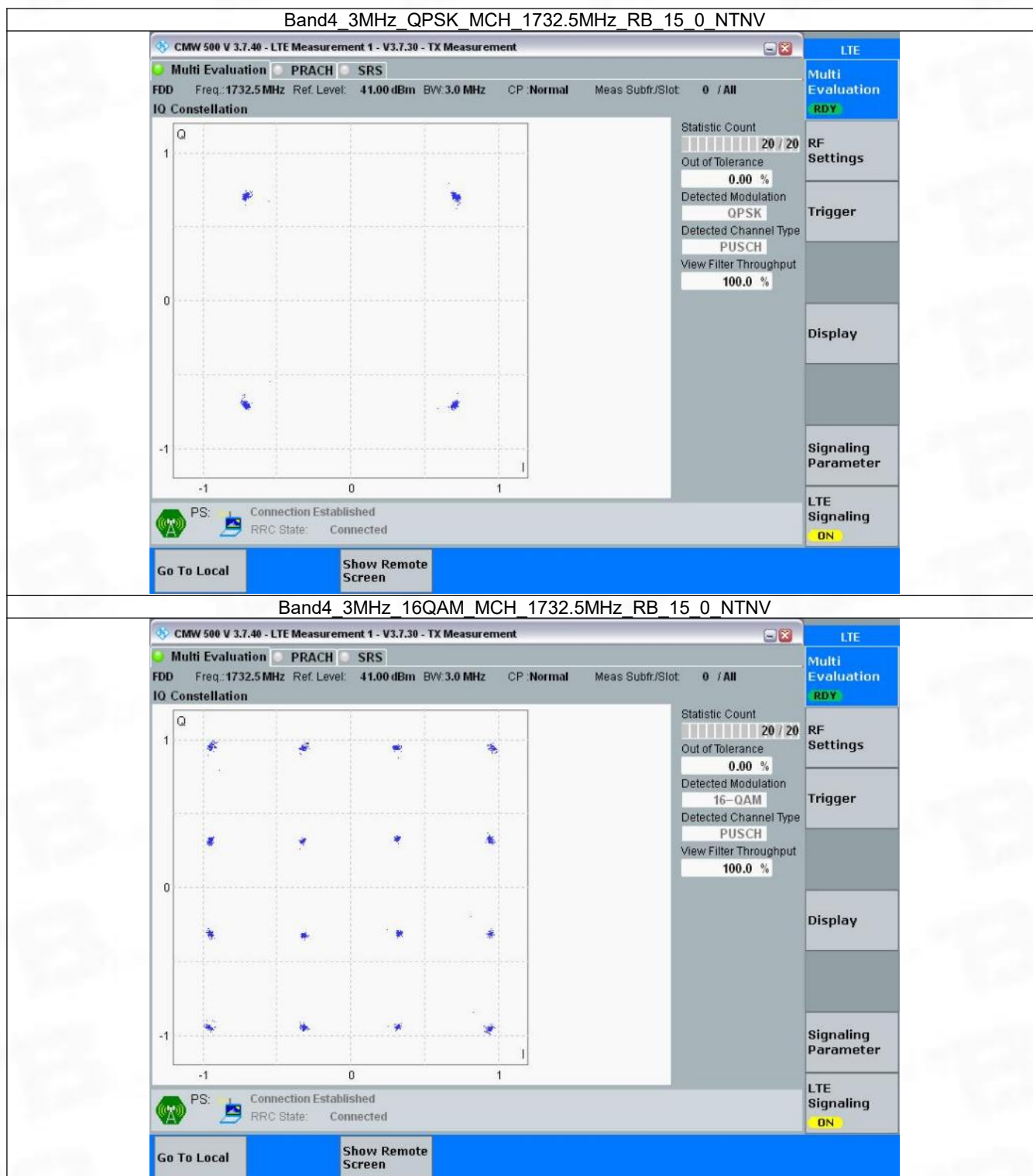
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.2 Test Graph

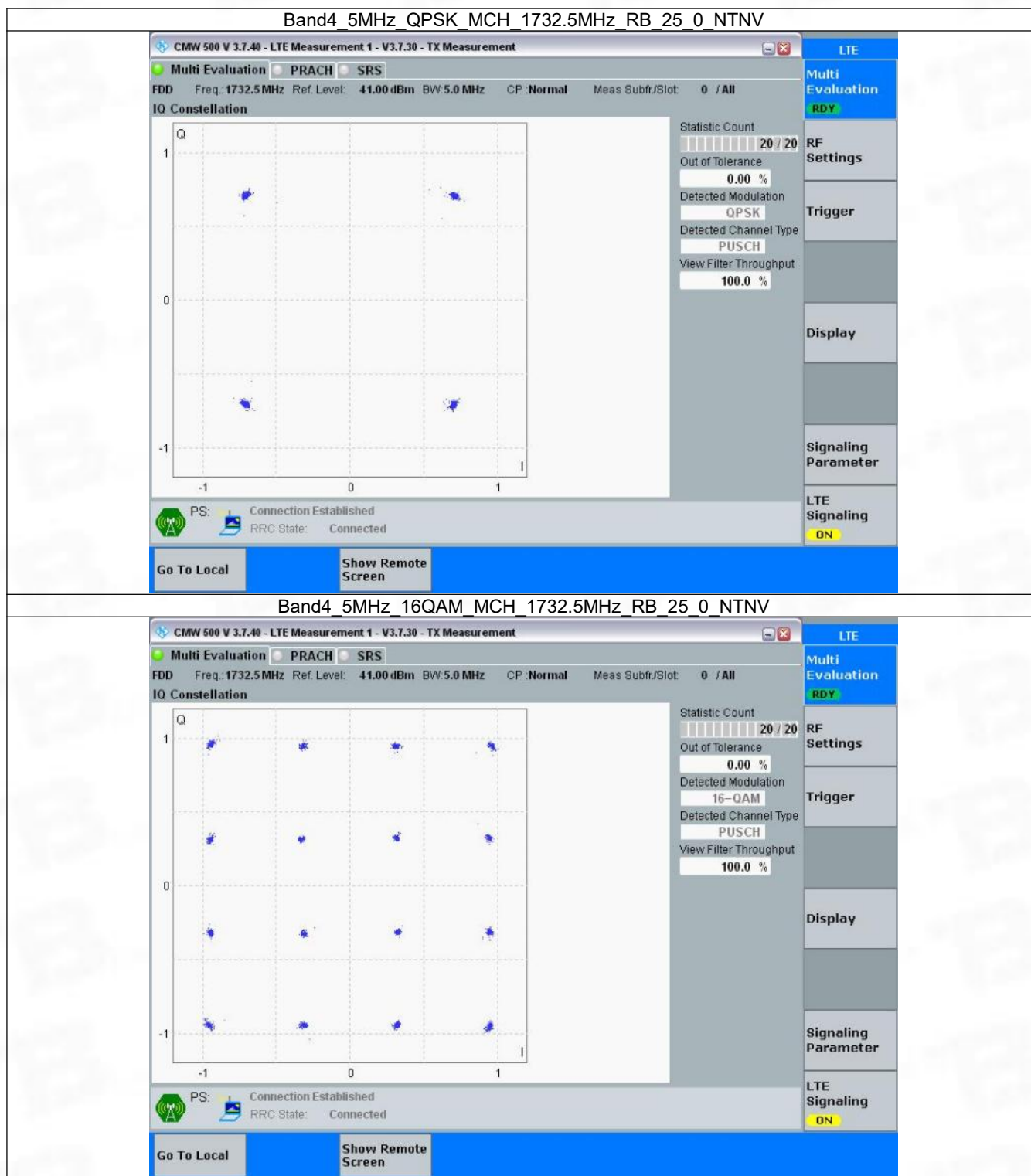
3.2.1 B4_1.4MHz



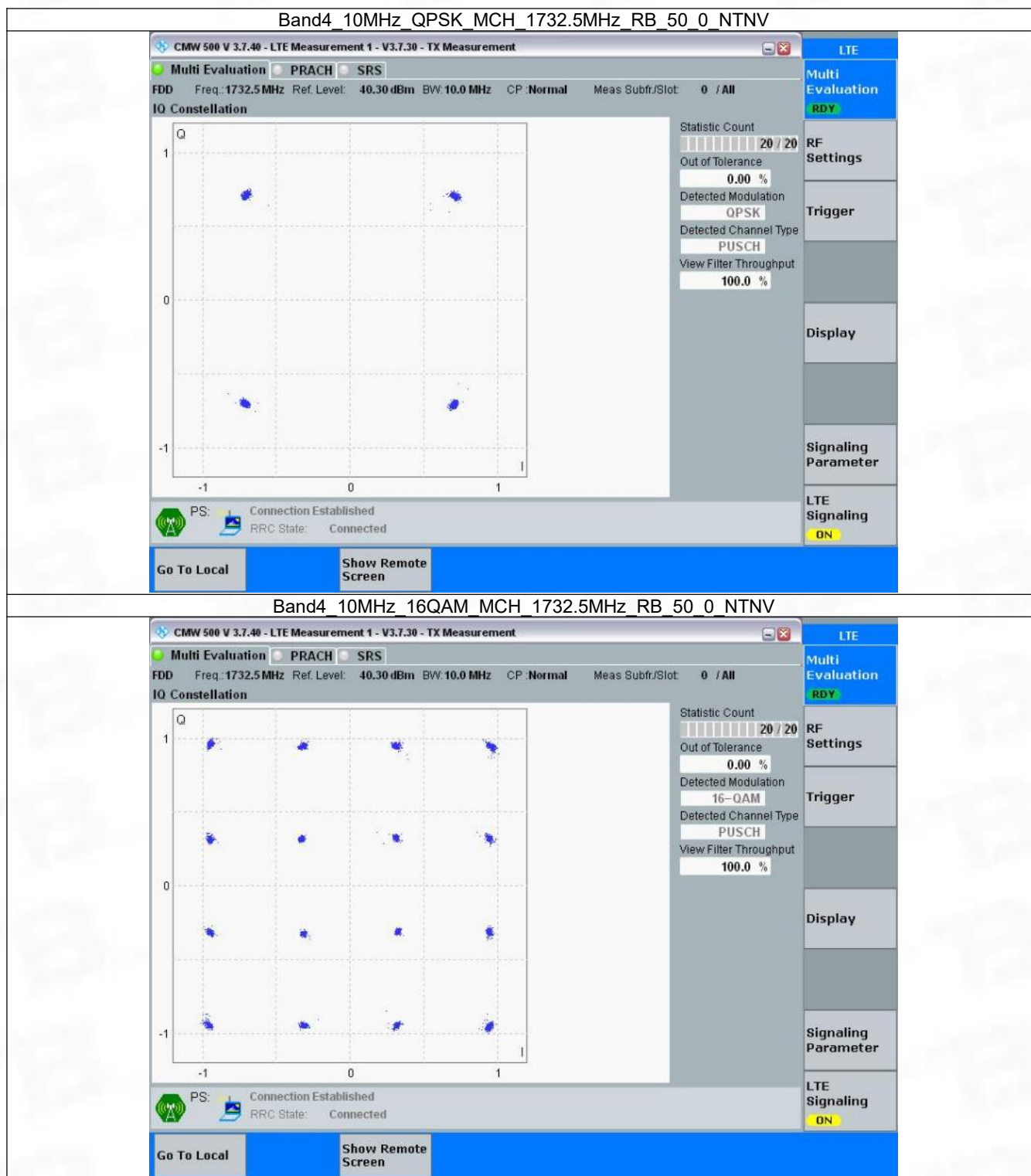
3.2.2 B4_3MHz



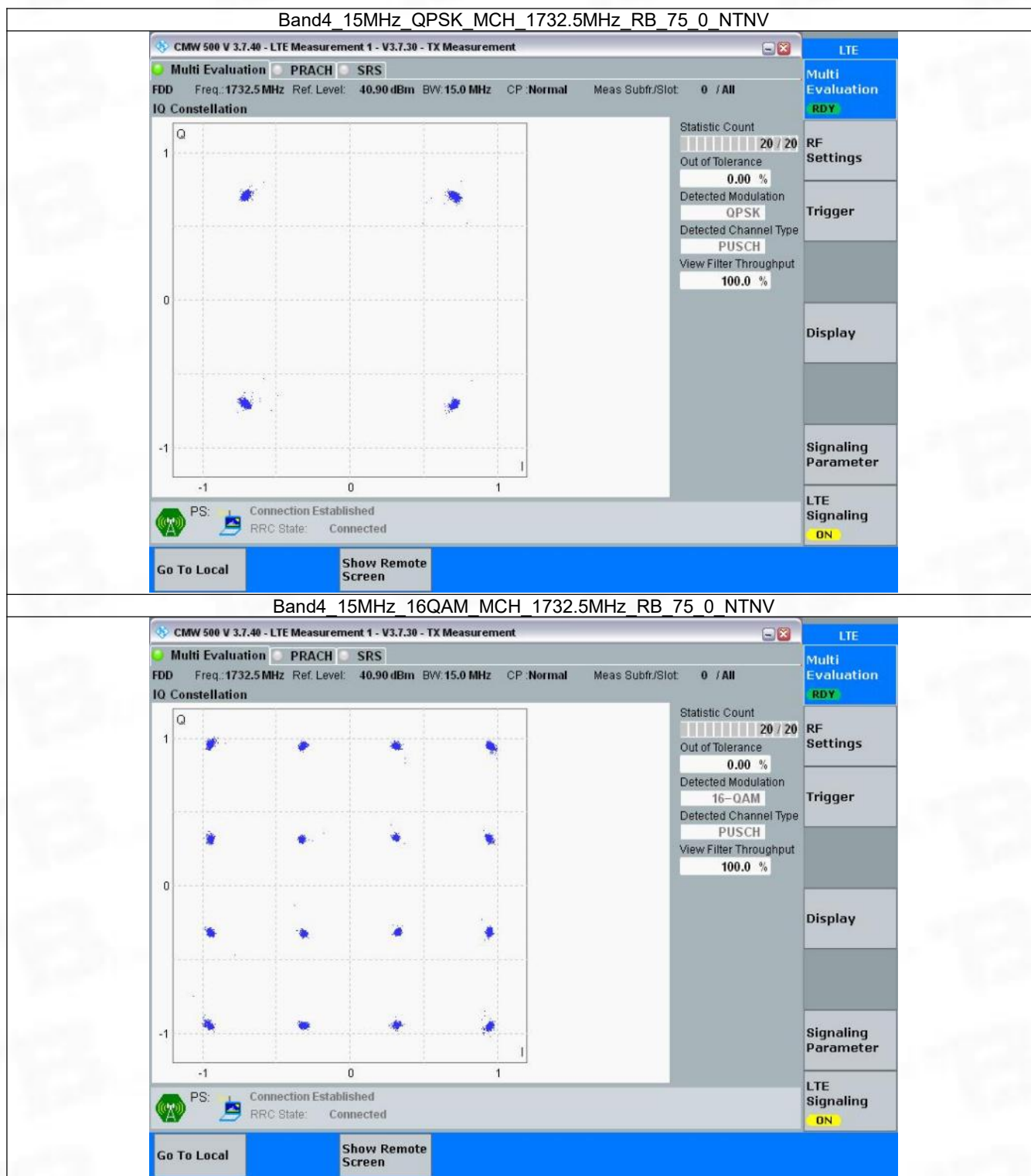
3.2.3 B4_5MHz



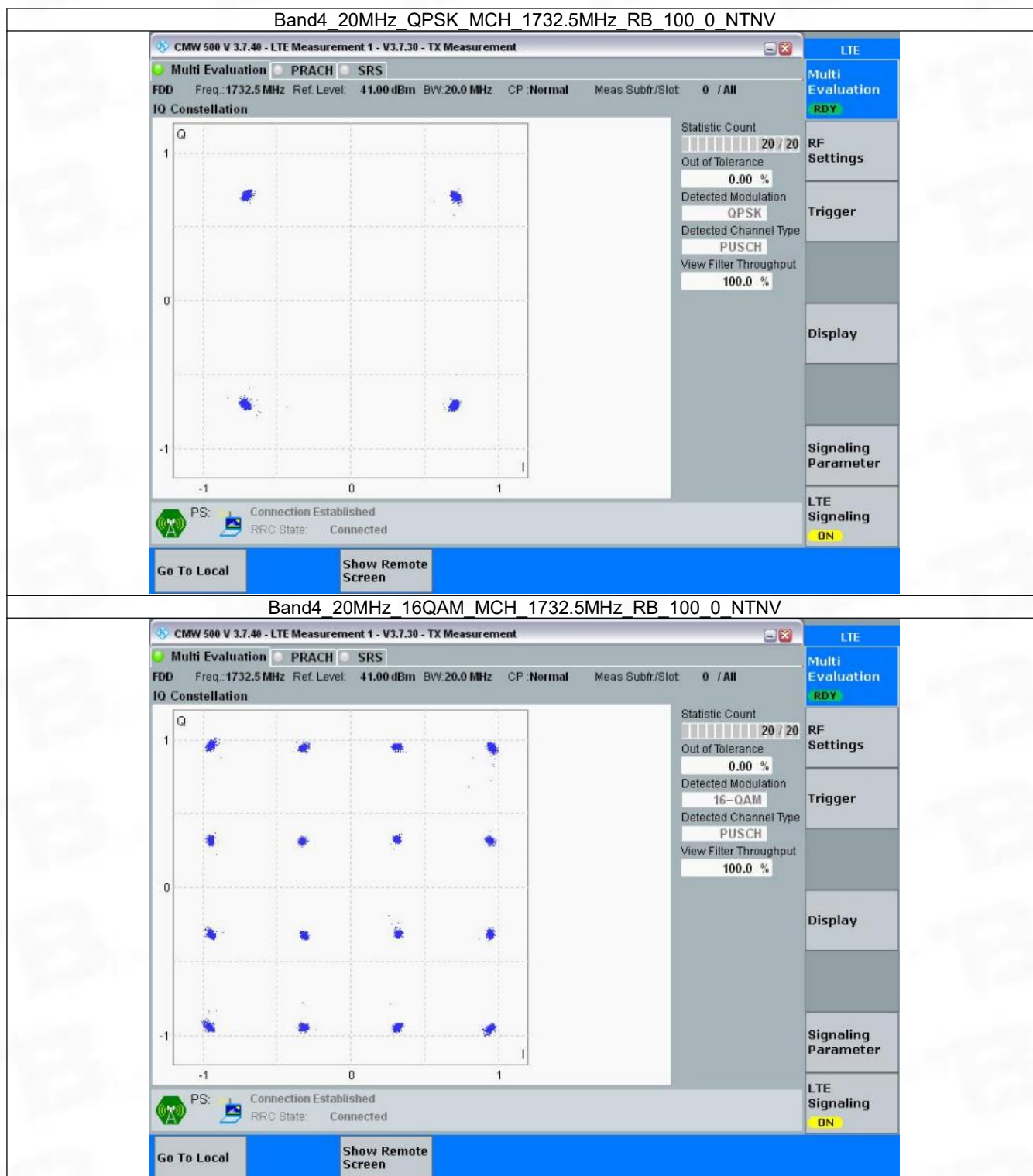
3.2.4 B4_10MHz



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	1.082	/	Pass
		1732.5	6	0	1.079	/	Pass
		1754.3	6	0	1.076	/	Pass
	16QAM	1710.7	6	0	1.078	/	Pass
		1732.5	6	0	1.079	/	Pass
		1754.3	6	0	1.082	/	Pass
3	QPSK	1711.5	15	0	2.685	/	Pass
		1732.5	15	0	2.686	/	Pass
		1753.5	15	0	2.679	/	Pass
	16QAM	1711.5	15	0	2.679	/	Pass
		1732.5	15	0	2.679	/	Pass
		1753.5	15	0	2.679	/	Pass
5	QPSK	1712.5	25	0	4.467	/	Pass
		1732.5	25	0	4.479	/	Pass
		1752.5	25	0	4.481	/	Pass
	16QAM	1712.5	25	0	4.469	/	Pass
		1732.5	25	0	4.470	/	Pass
		1752.5	25	0	4.468	/	Pass
10	QPSK	1715	50	0	8.963	/	Pass
		1732.5	50	0	8.961	/	Pass
		1750	50	0	8.952	/	Pass
	16QAM	1715	50	0	8.962	/	Pass
		1732.5	50	0	8.958	/	Pass
		1750	50	0	8.959	/	Pass
15	QPSK	1717.5	75	0	13.441	/	Pass
		1732.5	75	0	13.423	/	Pass
		1747.5	75	0	13.423	/	Pass
	16QAM	1717.5	75	0	13.441	/	Pass
		1732.5	75	0	13.443	/	Pass
		1747.5	75	0	13.414	/	Pass
20	QPSK	1720	100	0	17.887	/	Pass
		1732.5	100	0	17.908	/	Pass
		1745	100	0	17.888	/	Pass
	16QAM	1720	100	0	17.888	/	Pass
		1732.5	100	0	17.925	/	Pass
		1745	100	0	17.839	/	Pass

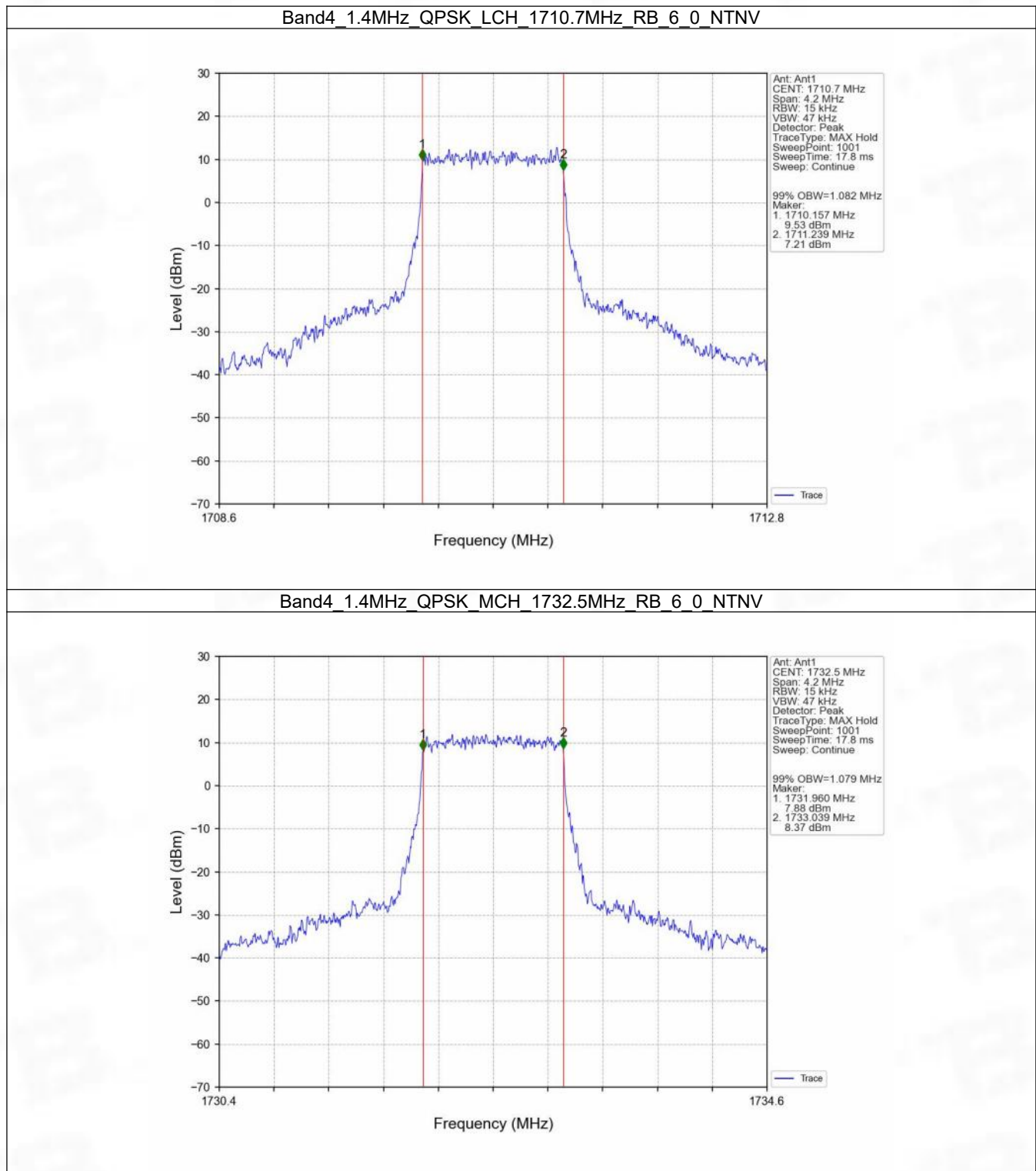
4.1.2 Band4_XDB

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	1.248	/	Pass
		1732.5	6	0	1.277	/	Pass
		1754.3	6	0	1.240	/	Pass

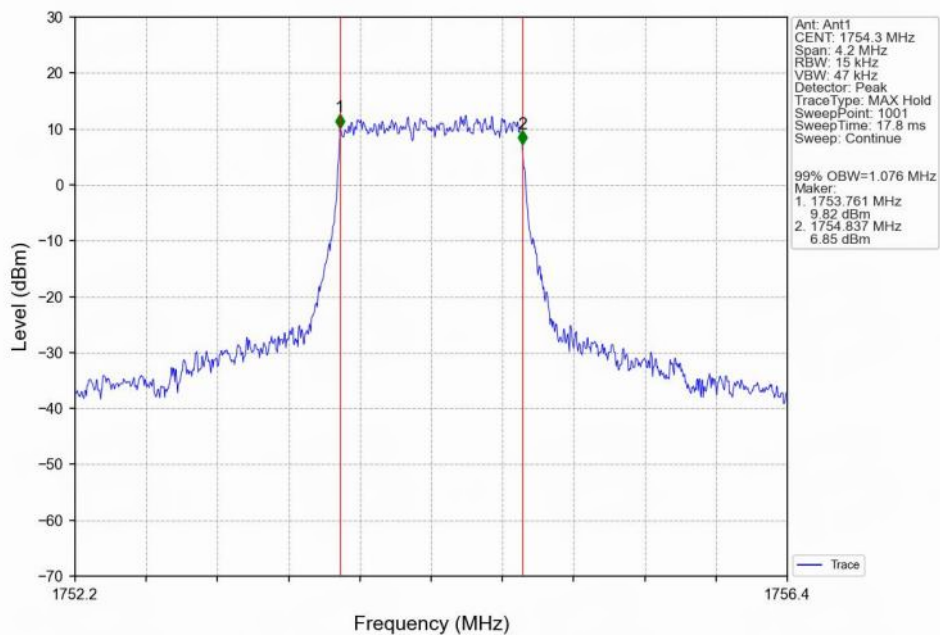
	16QAM	1710.7	6	0	1.270	/	Pass
		1732.5	6	0	1.220	/	Pass
		1754.3	6	0	1.280	/	Pass
3	QPSK	1711.5	15	0	2.873	/	Pass
		1732.5	15	0	2.876	/	Pass
		1753.5	15	0	2.855	/	Pass
	16QAM	1711.5	15	0	2.861	/	Pass
		1732.5	15	0	2.861	/	Pass
		1753.5	15	0	2.839	/	Pass
5	QPSK	1712.5	25	0	4.805	/	Pass
		1732.5	25	0	4.829	/	Pass
		1752.5	25	0	4.857	/	Pass
	16QAM	1712.5	25	0	4.849	/	Pass
		1732.5	25	0	4.857	/	Pass
		1752.5	25	0	4.835	/	Pass
10	QPSK	1715	50	0	9.581	/	Pass
		1732.5	50	0	9.756	/	Pass
		1750	50	0	9.602	/	Pass
	16QAM	1715	50	0	9.694	/	Pass
		1732.5	50	0	9.599	/	Pass
		1750	50	0	9.460	/	Pass
15	QPSK	1717.5	75	0	14.409	/	Pass
		1732.5	75	0	15.329	/	Pass
		1747.5	75	0	14.369	/	Pass
	16QAM	1717.5	75	0	14.650	/	Pass
		1732.5	75	0	15.035	/	Pass
		1747.5	75	0	14.297	/	Pass
20	QPSK	1720	100	0	19.320	/	Pass
		1732.5	100	0	19.076	/	Pass
		1745	100	0	18.880	/	Pass
	16QAM	1720	100	0	18.935	/	Pass
		1732.5	100	0	19.166	/	Pass
		1745	100	0	19.013	/	Pass

4.2 Test Graph

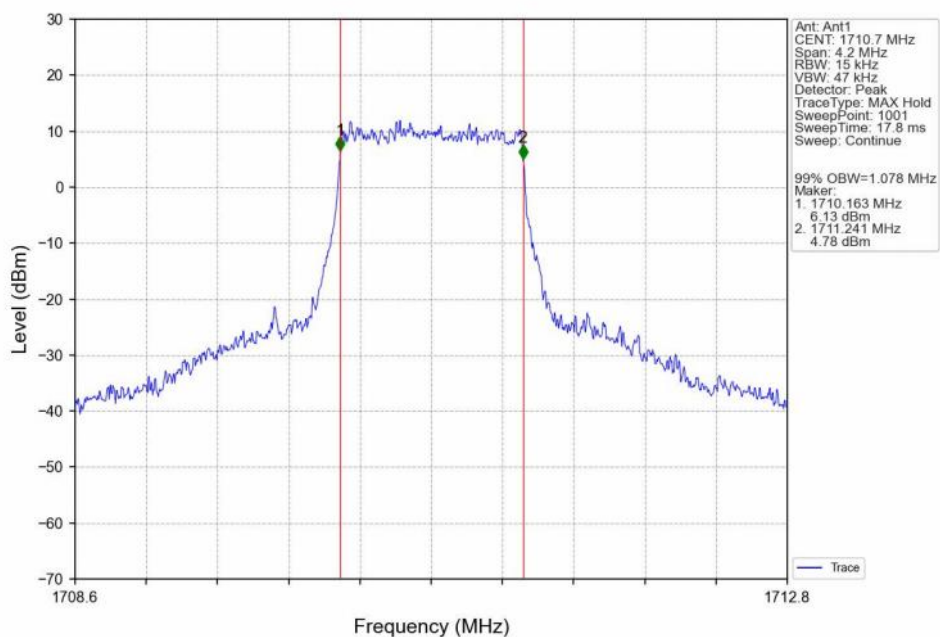
4.2.1 Band4_OBW



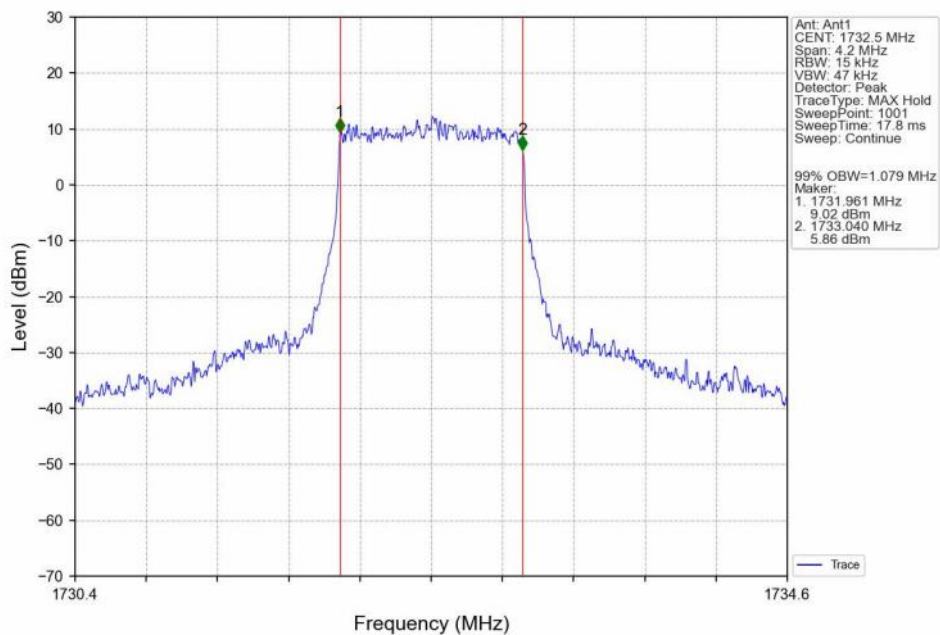
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



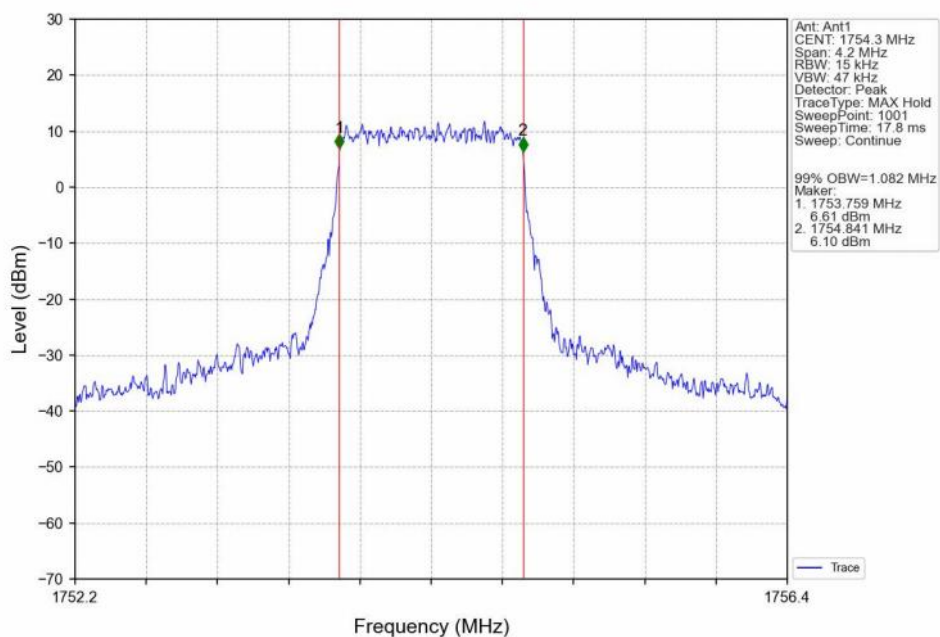
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



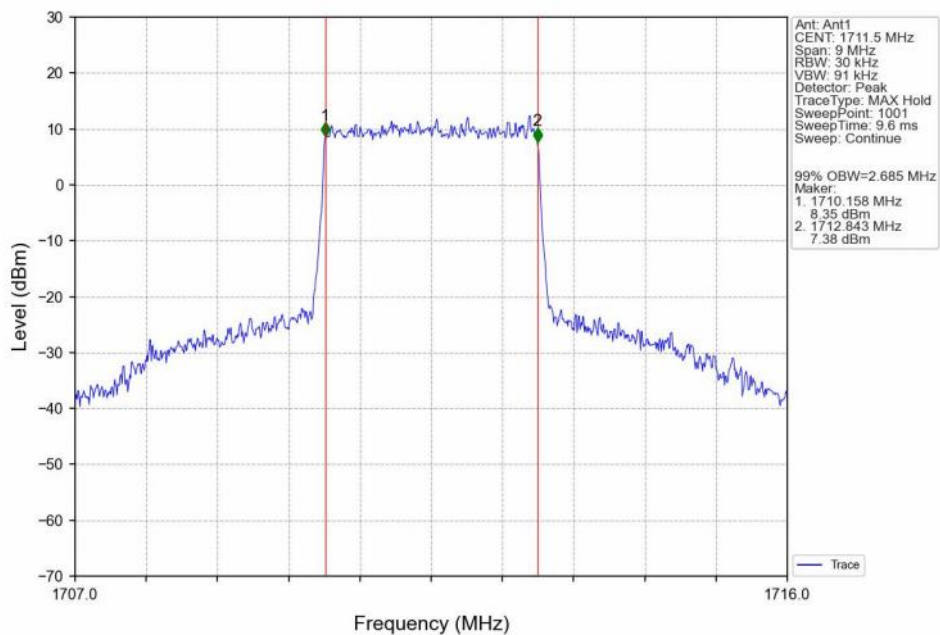
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



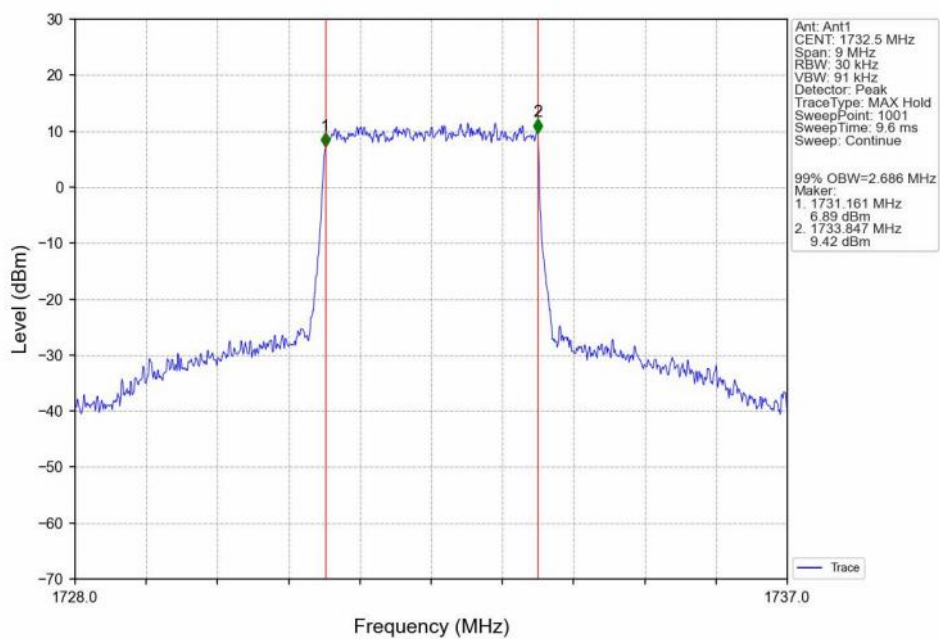
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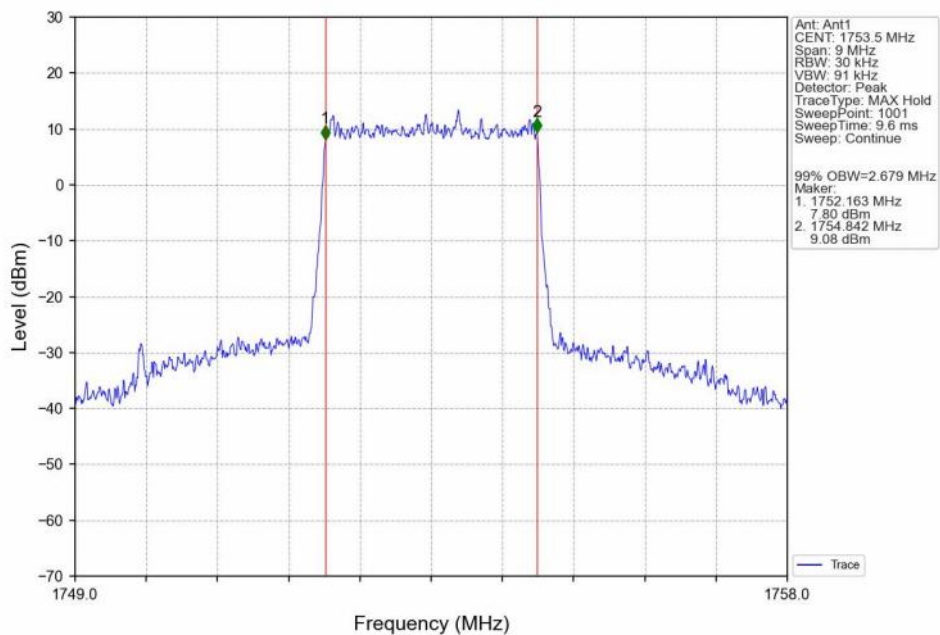
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



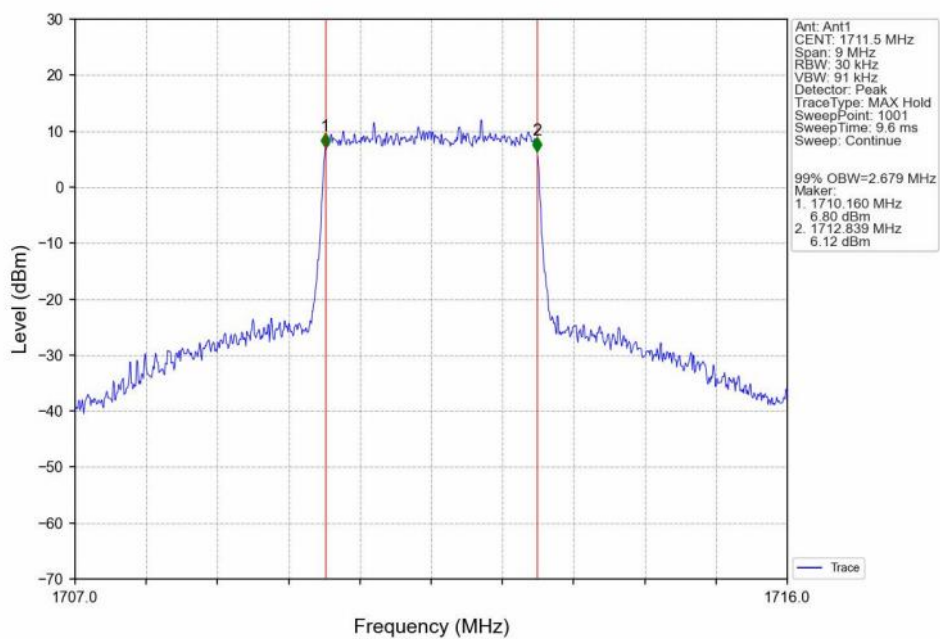
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



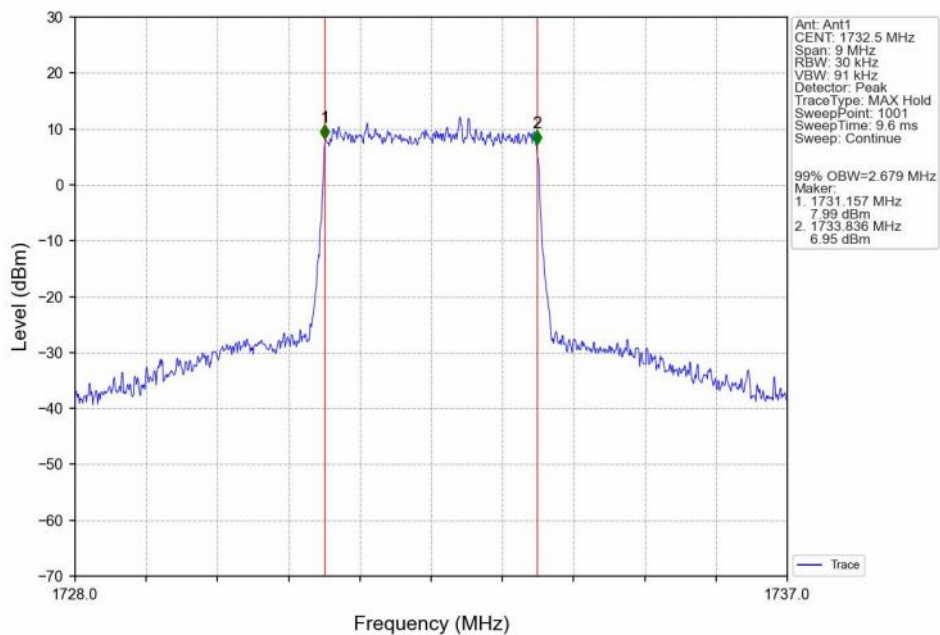
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



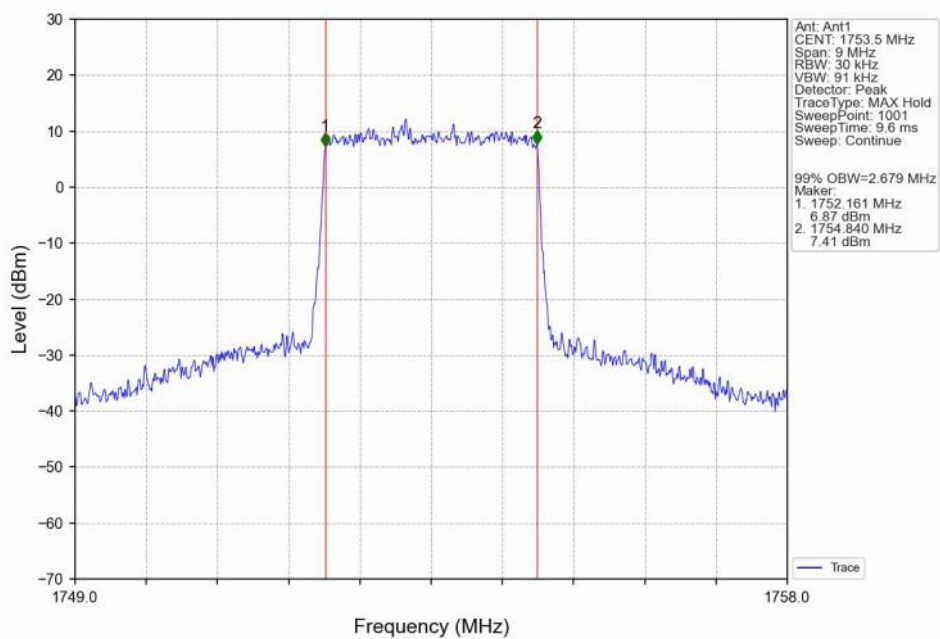
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



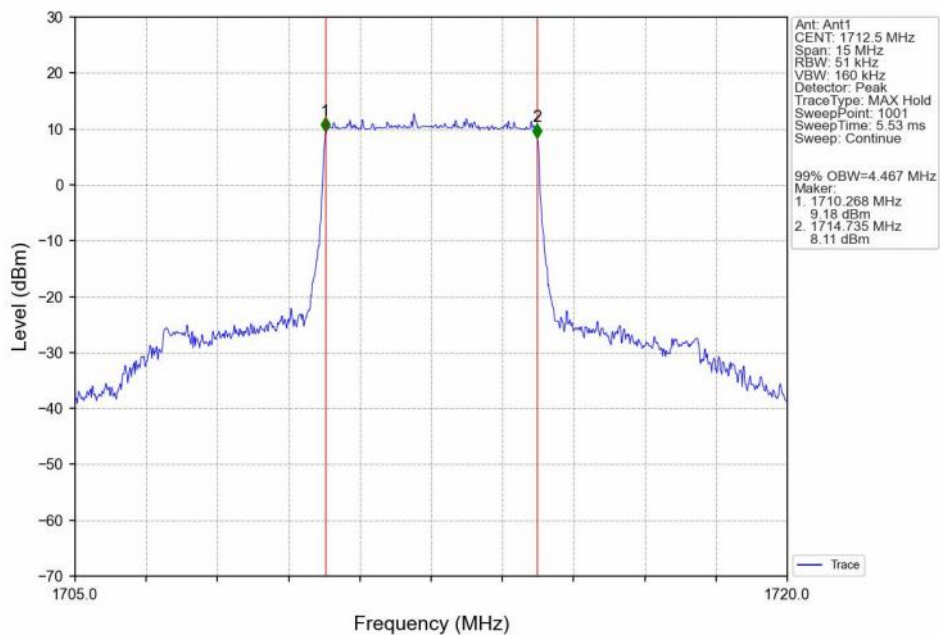
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



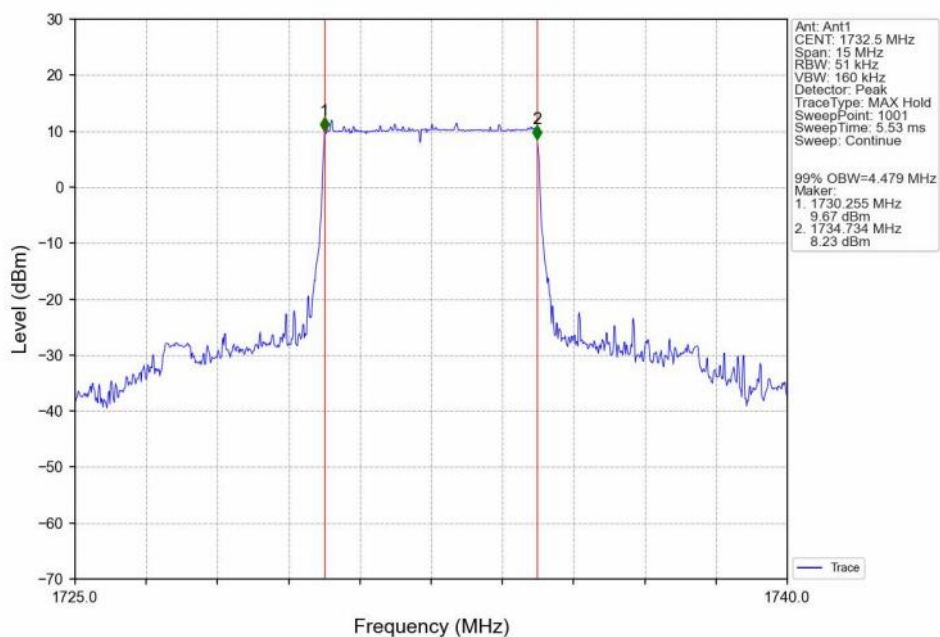
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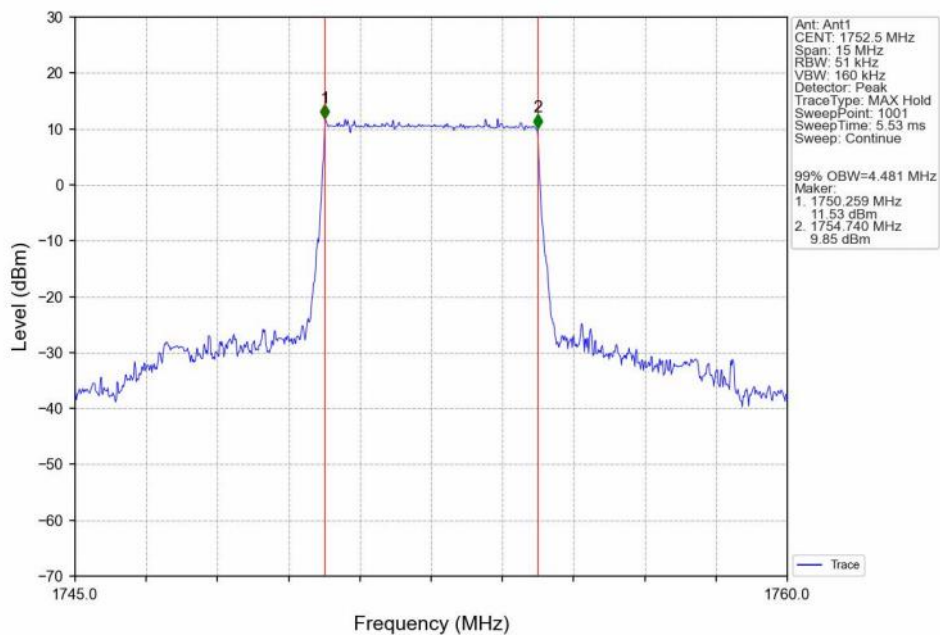
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



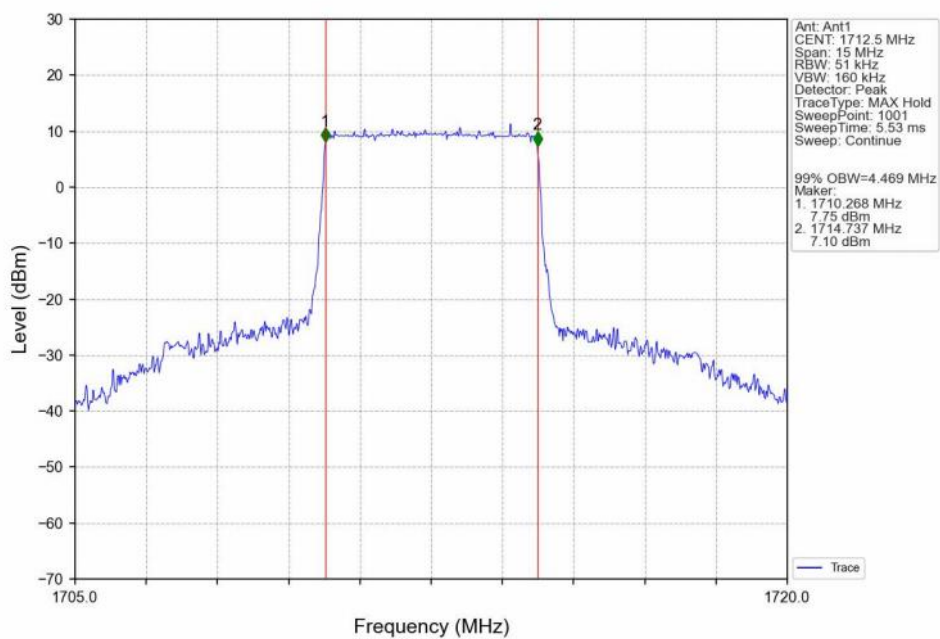
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



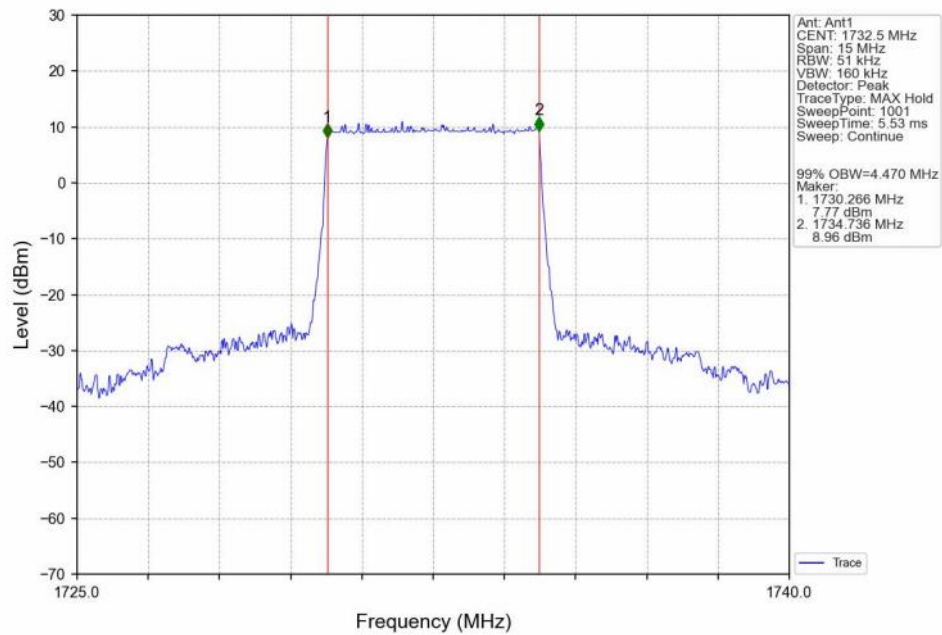
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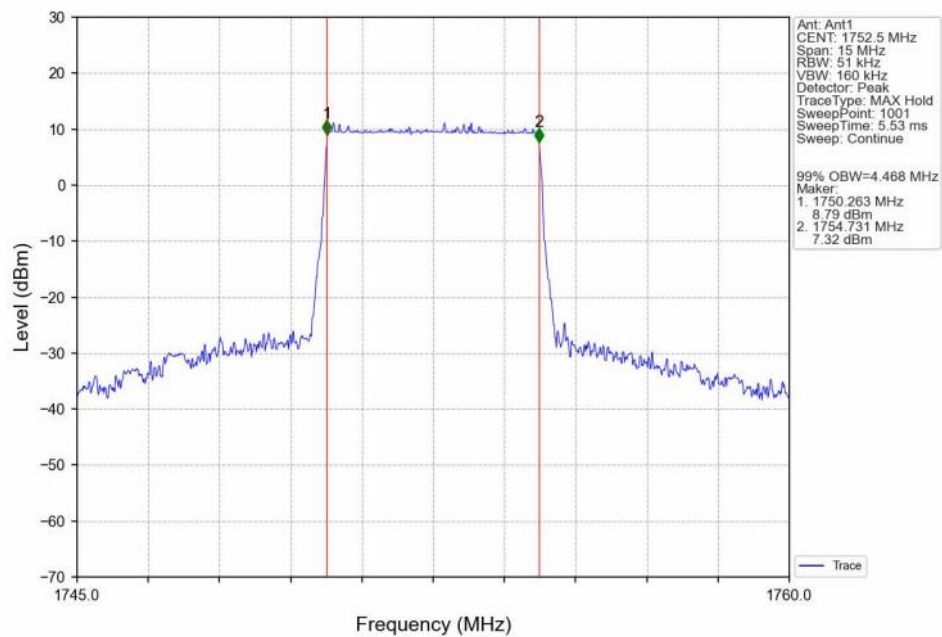
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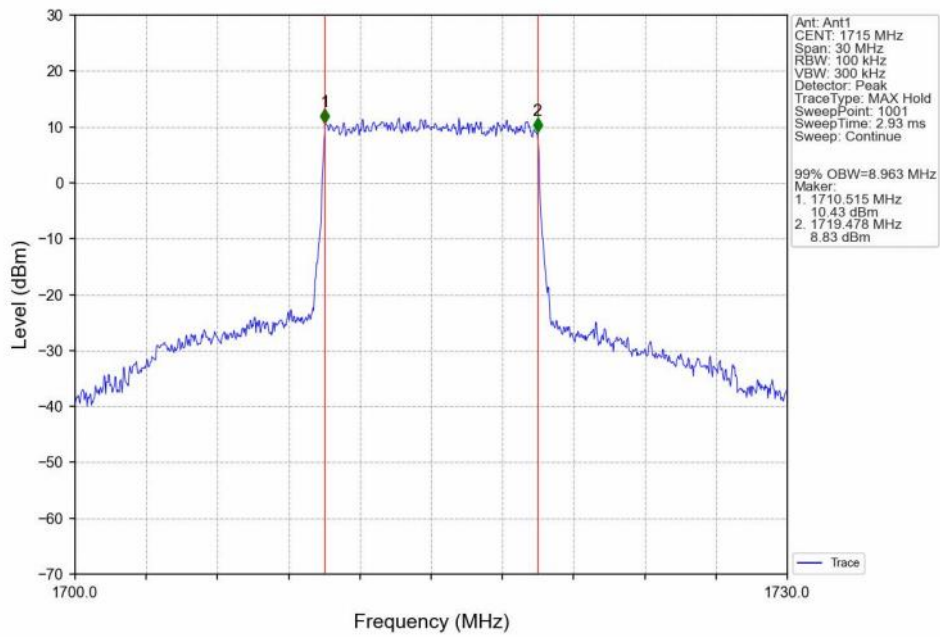
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



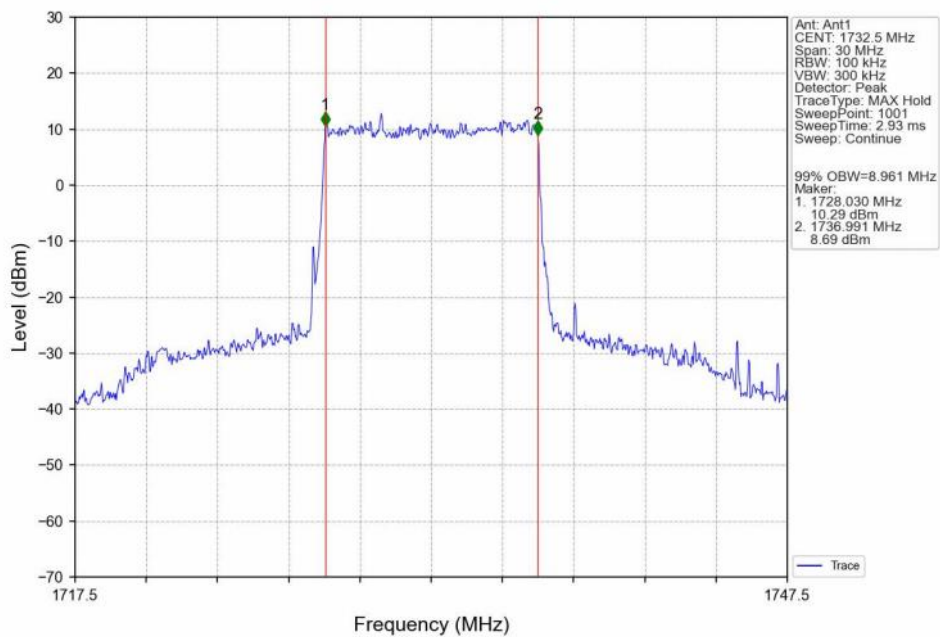
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



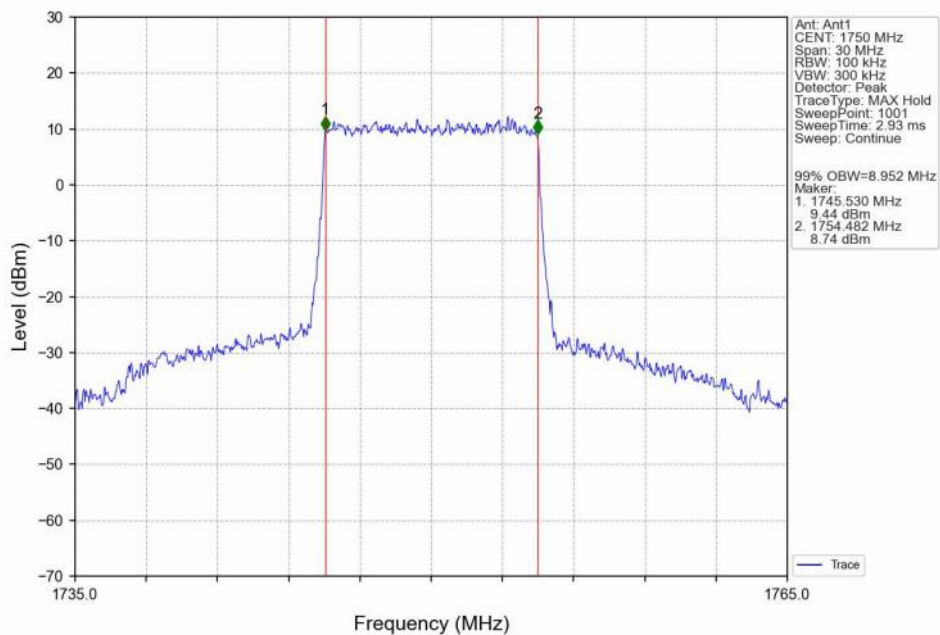
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



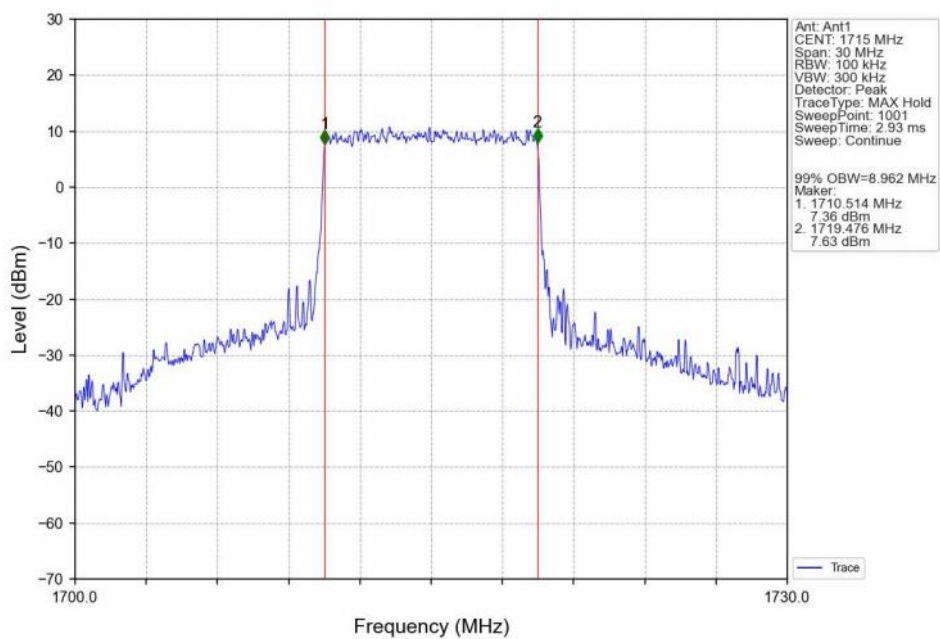
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



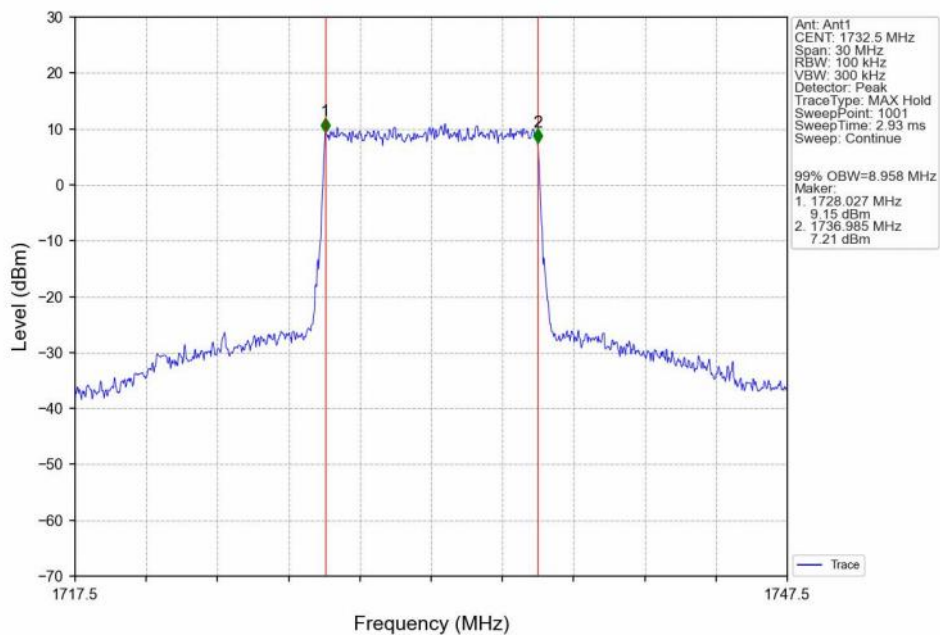
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



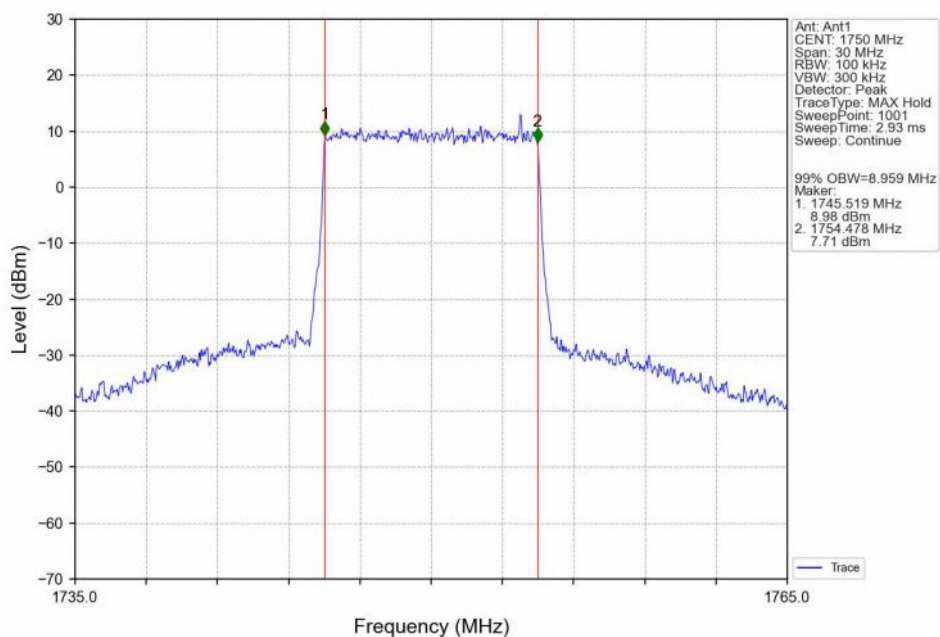
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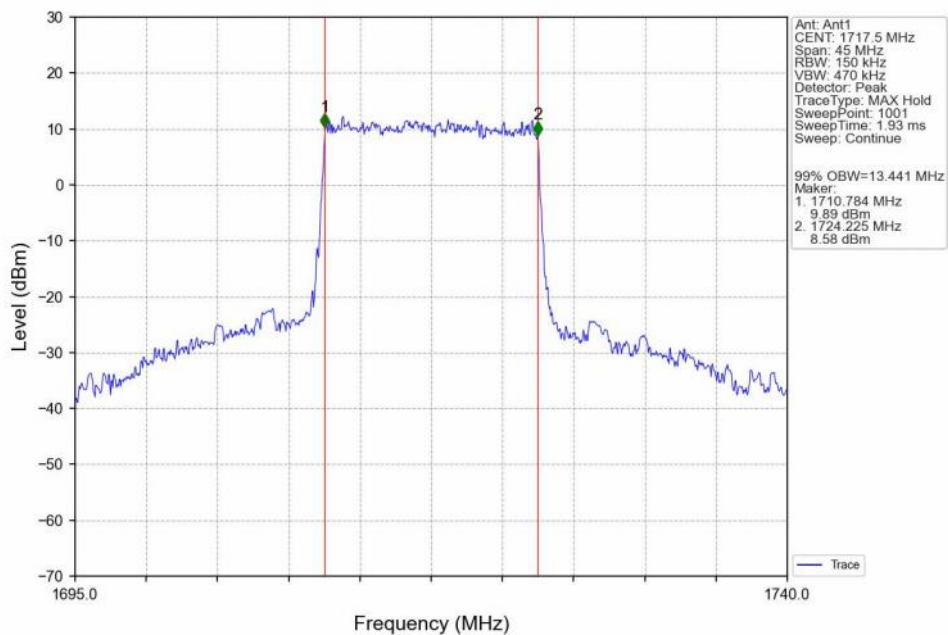
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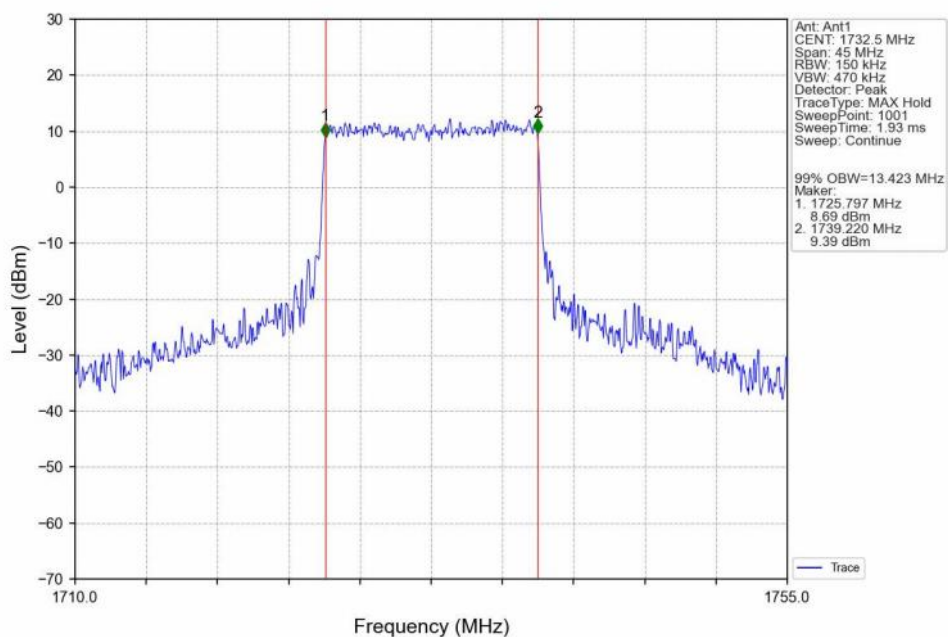
Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV



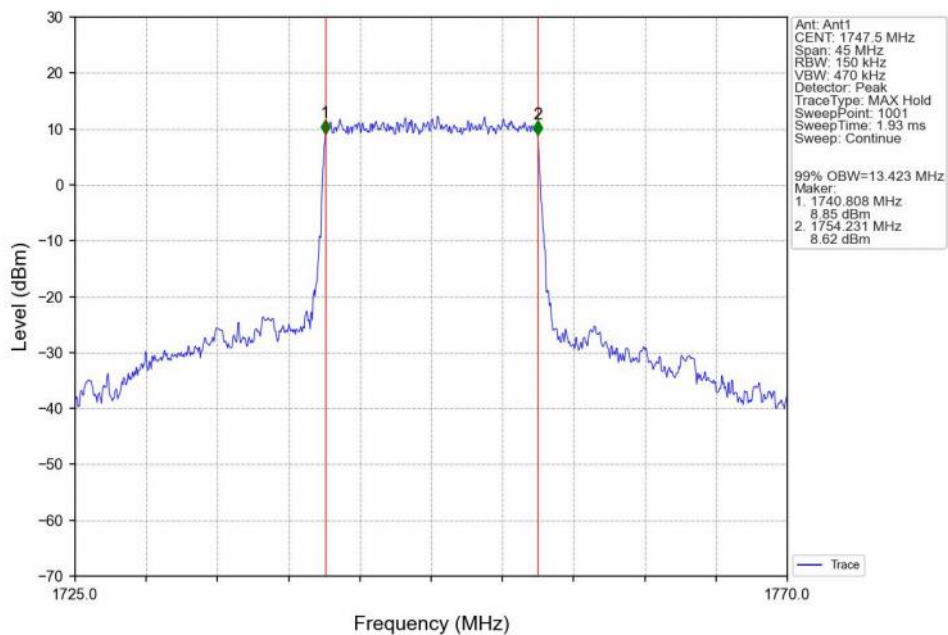
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



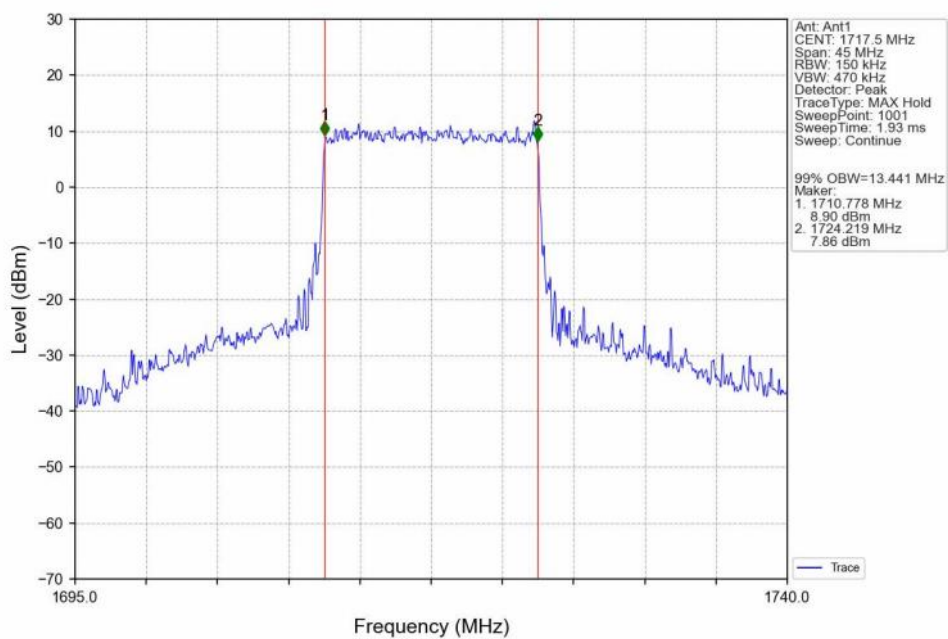
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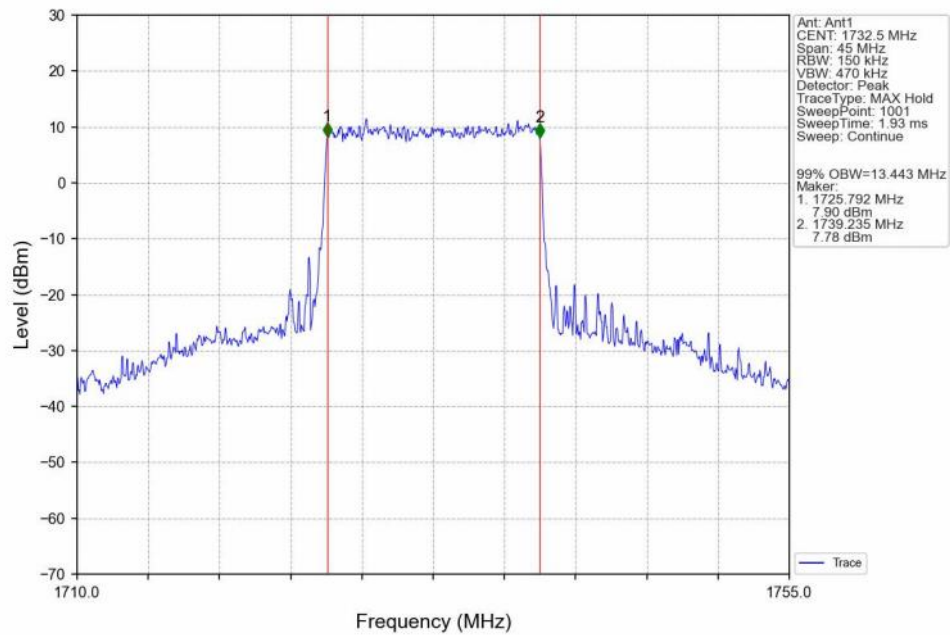
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



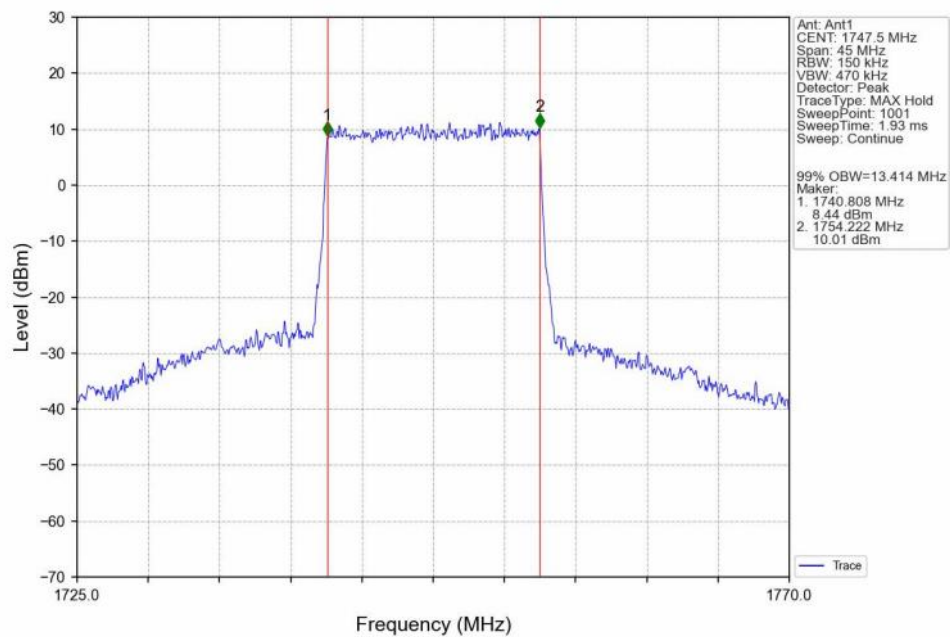
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



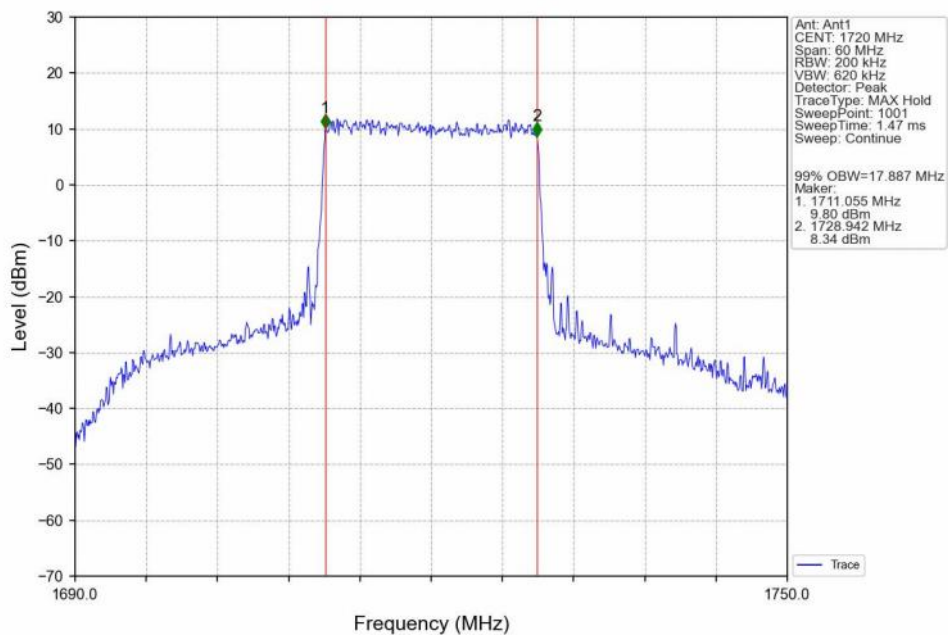
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



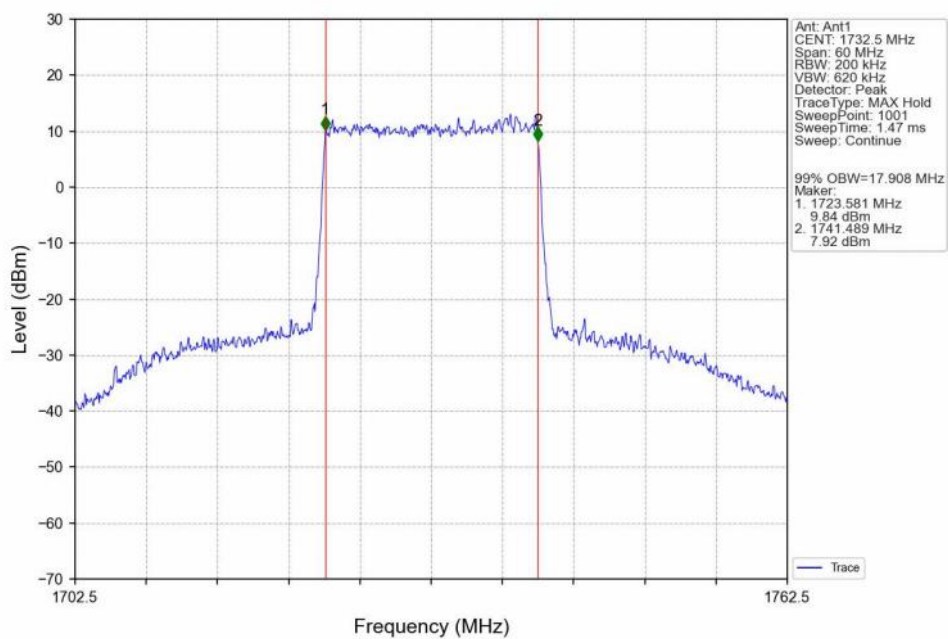
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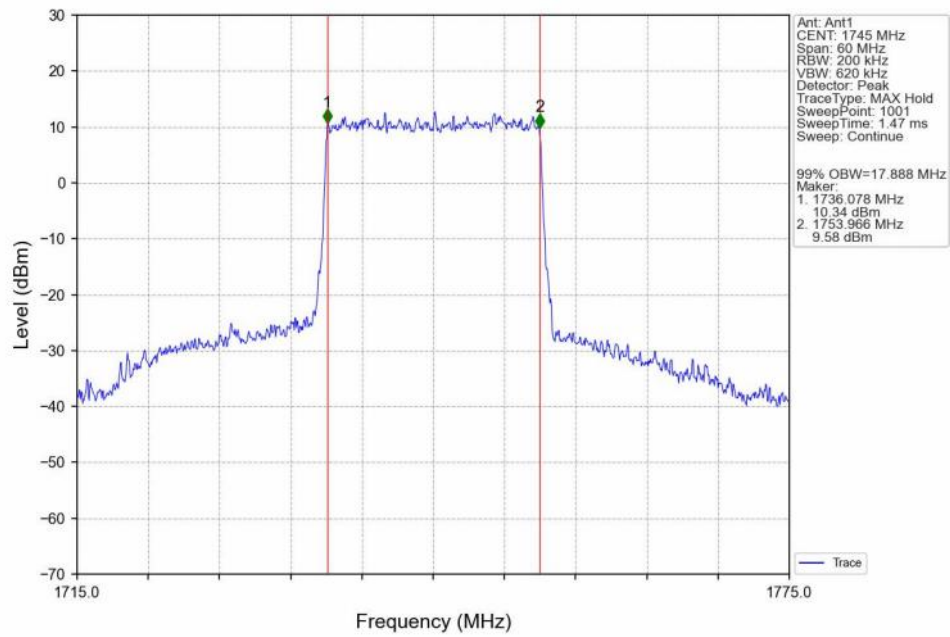
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



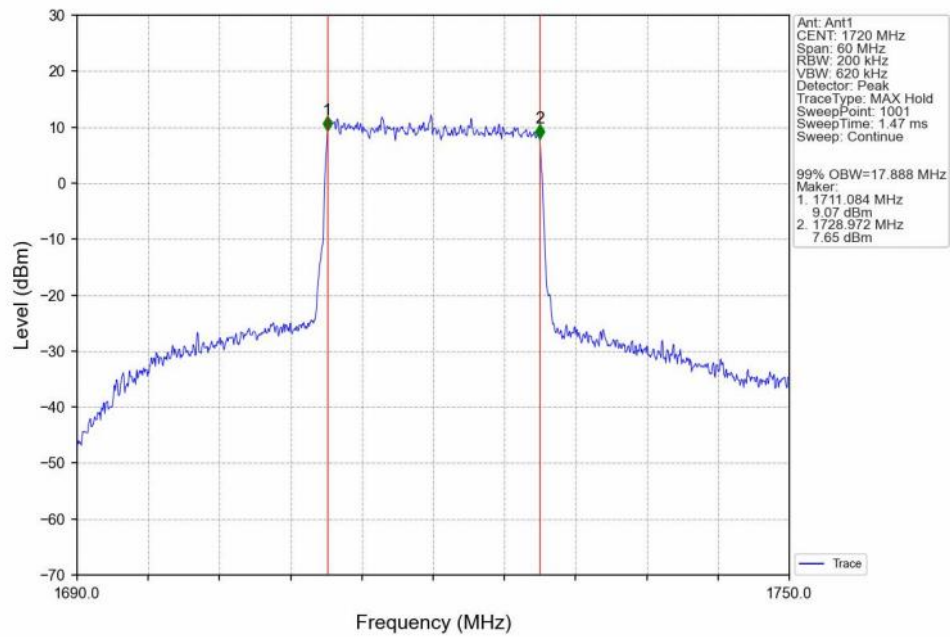
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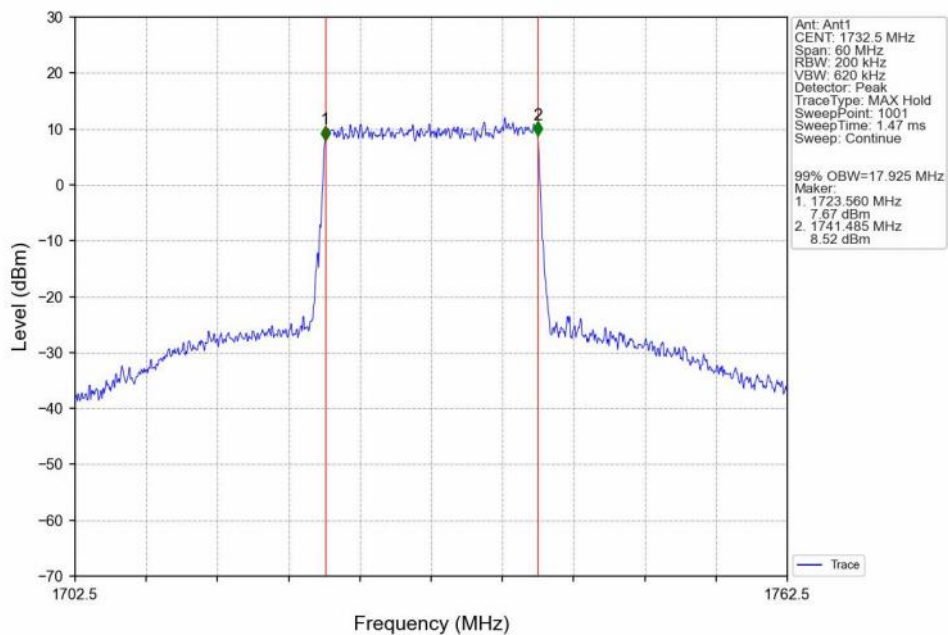
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



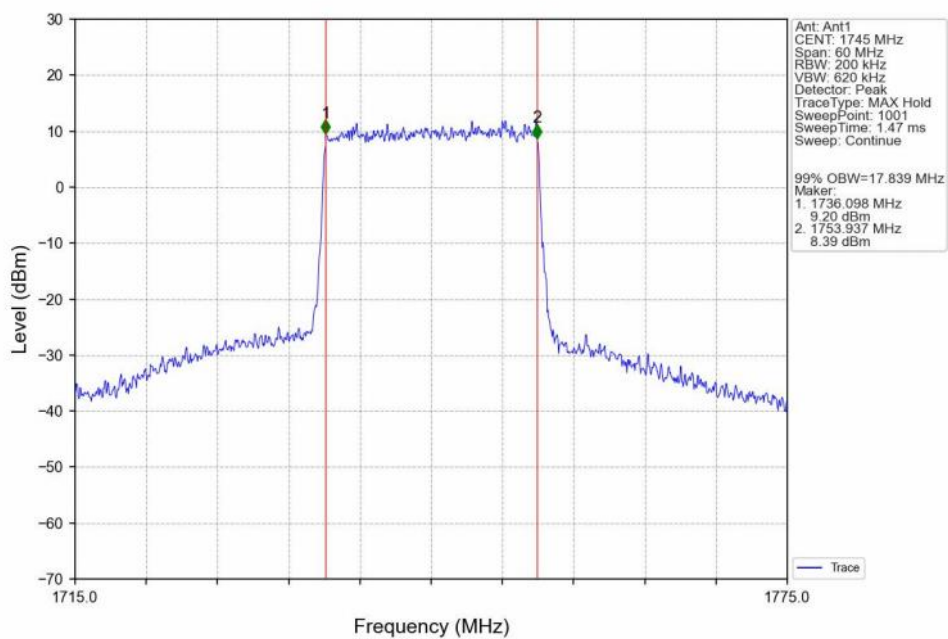
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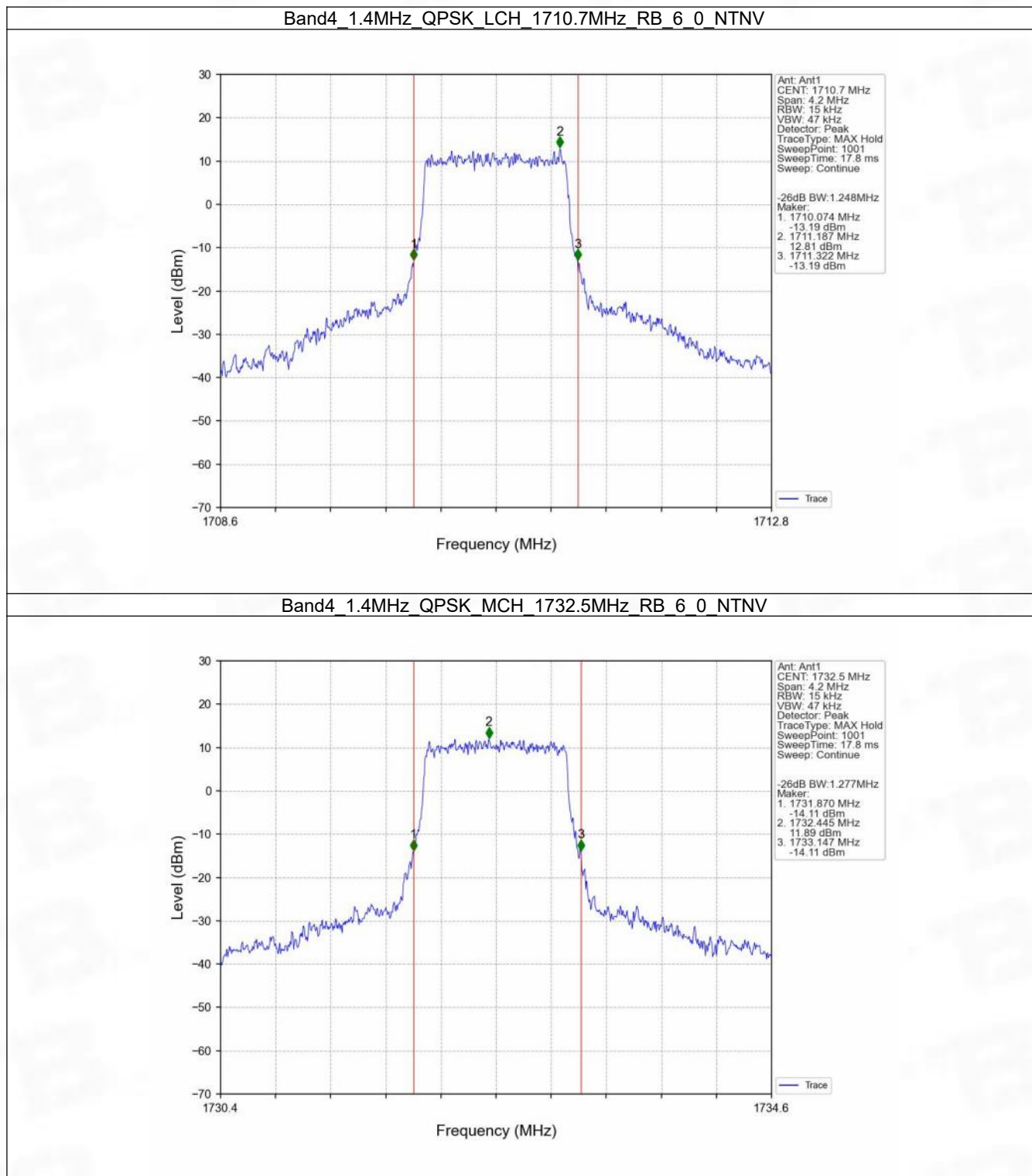
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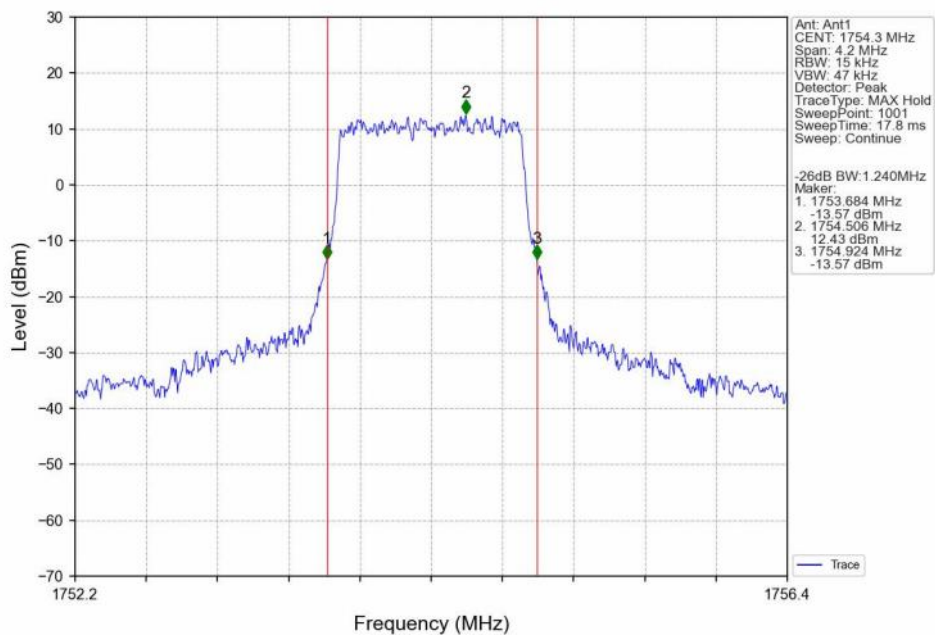
Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



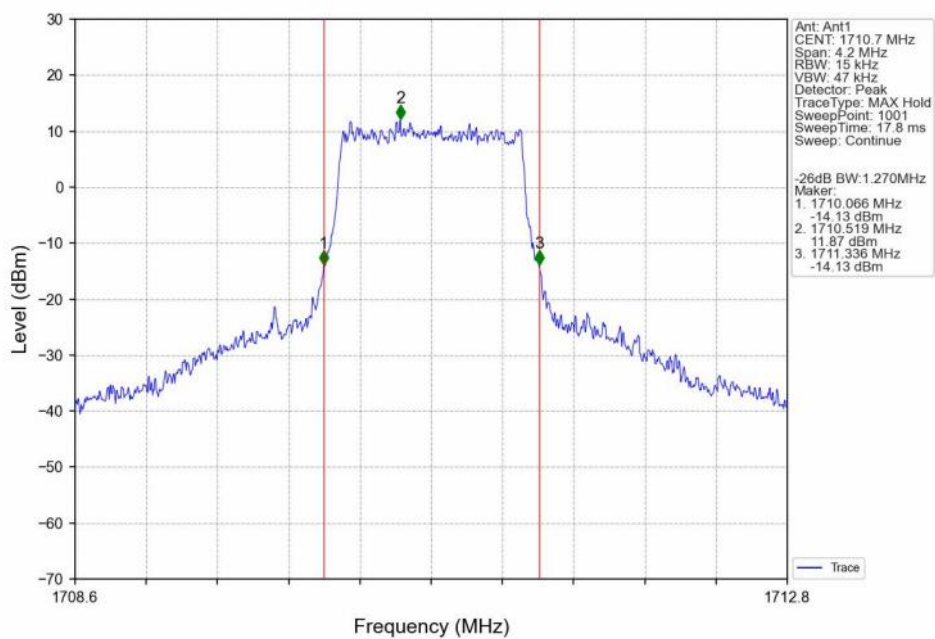
4.2.2 Band4_XDB



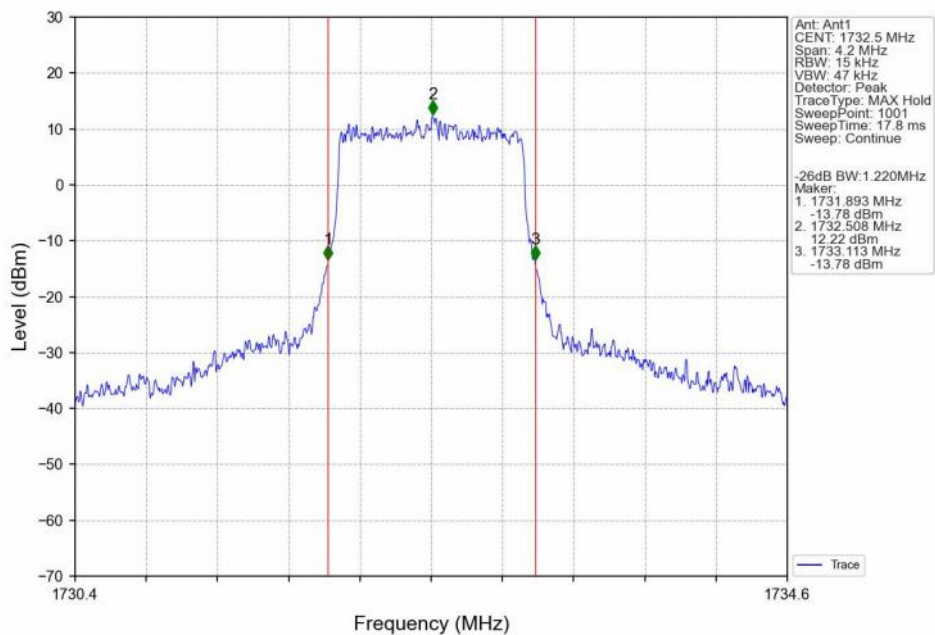
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



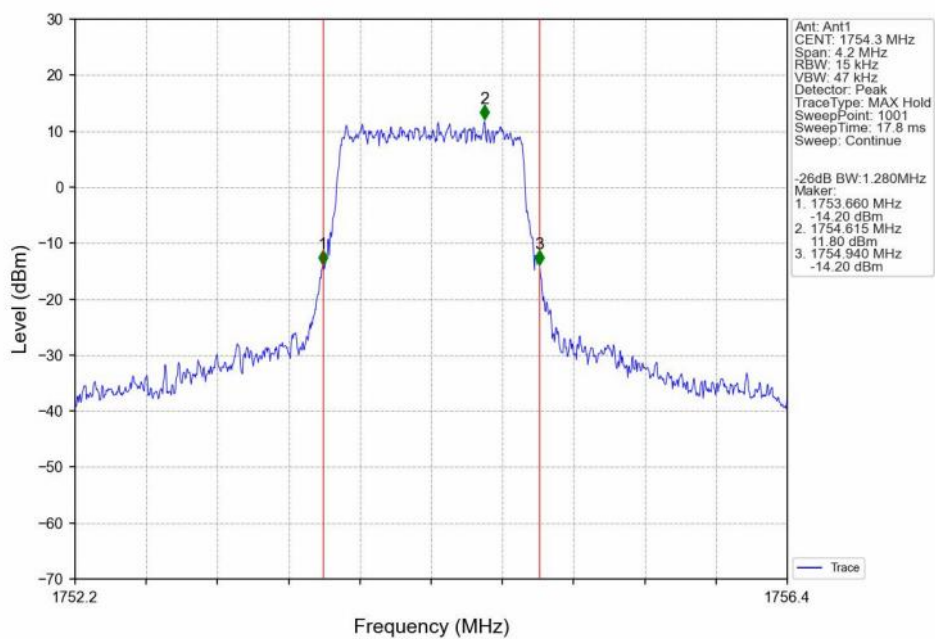
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



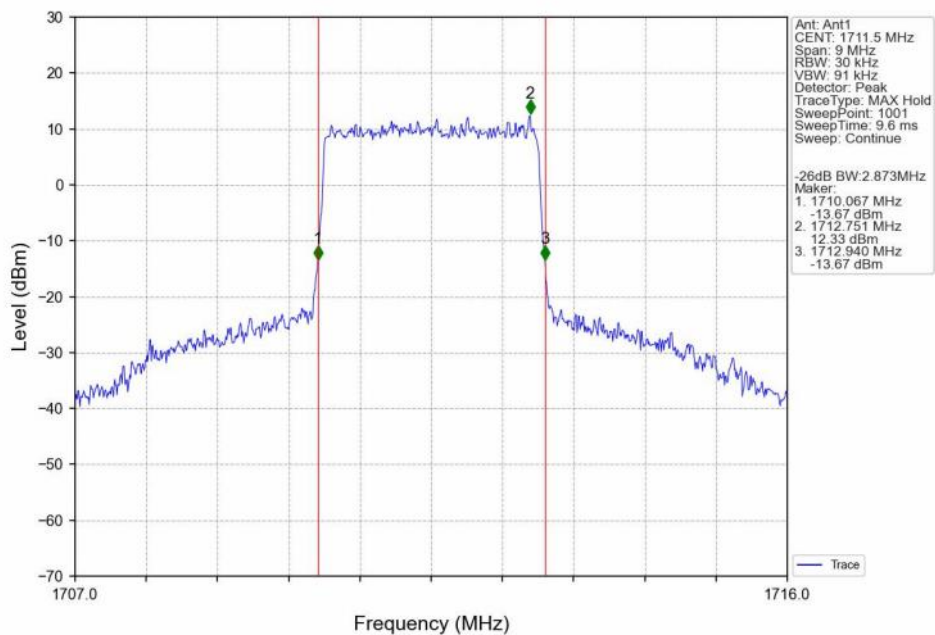
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



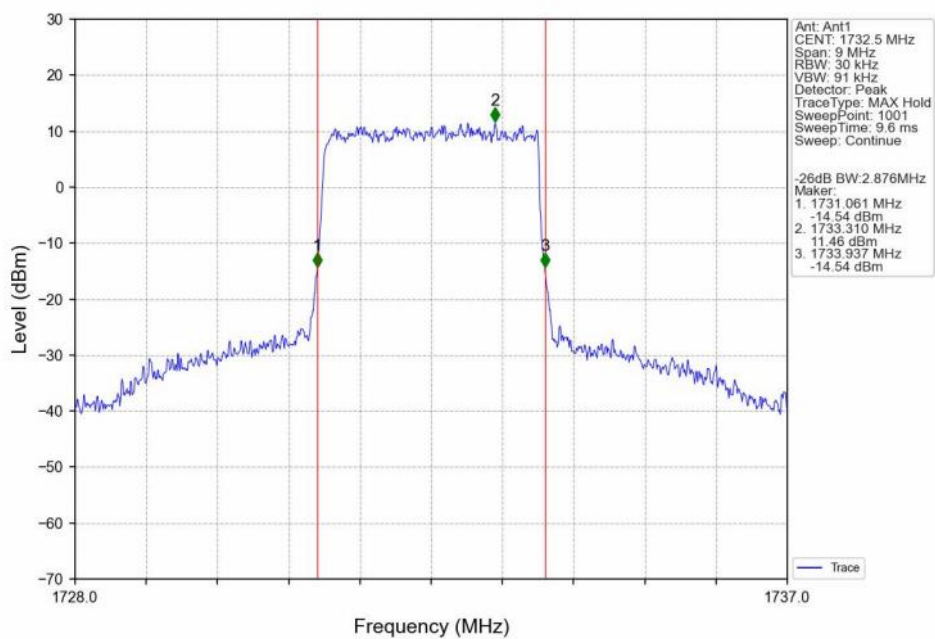
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



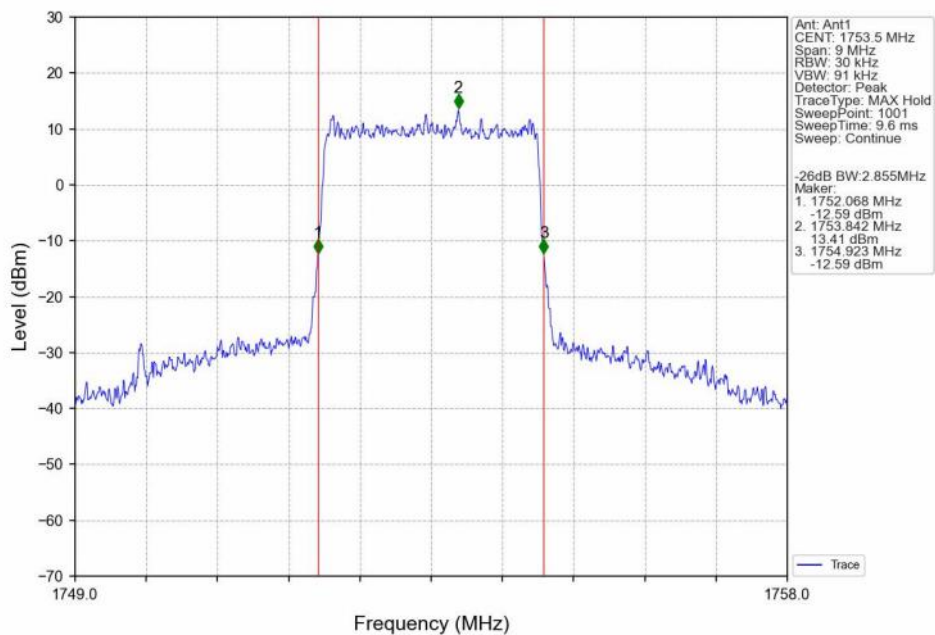
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



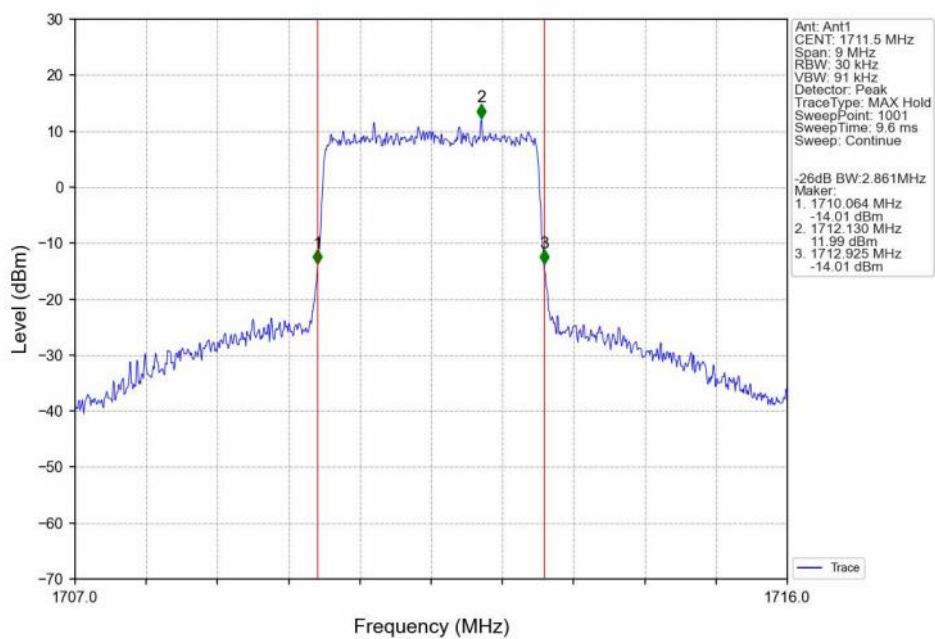
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



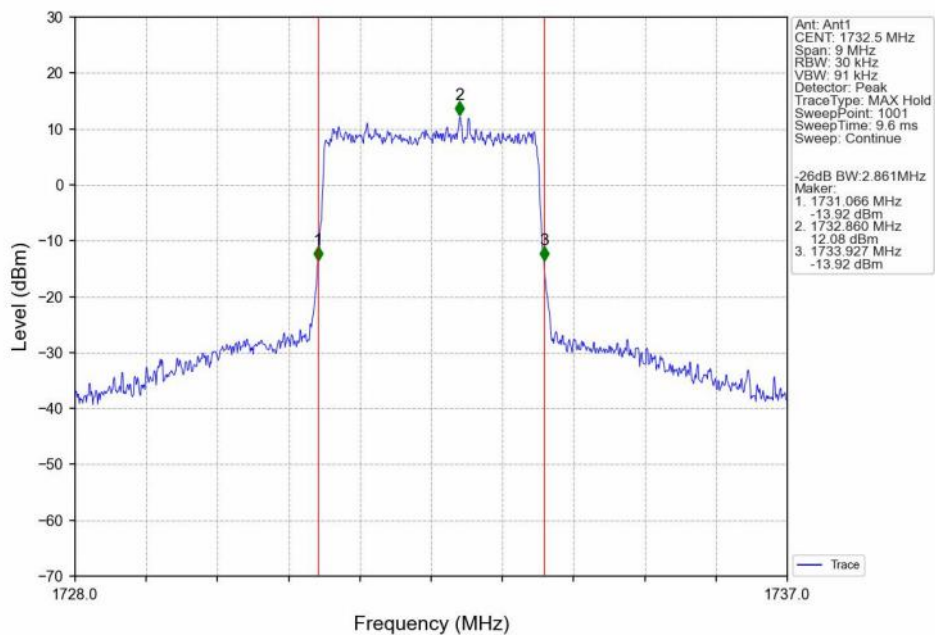
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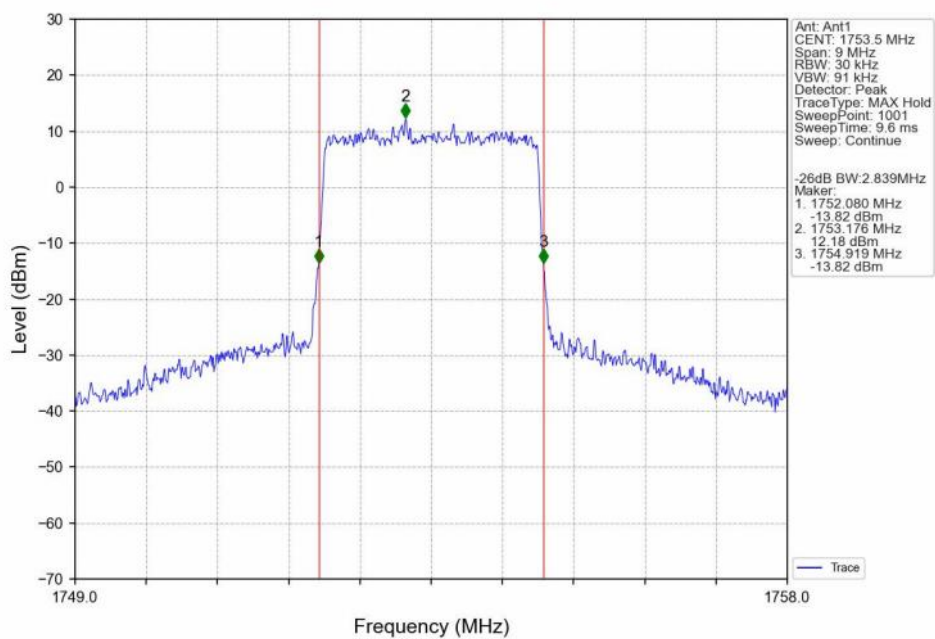
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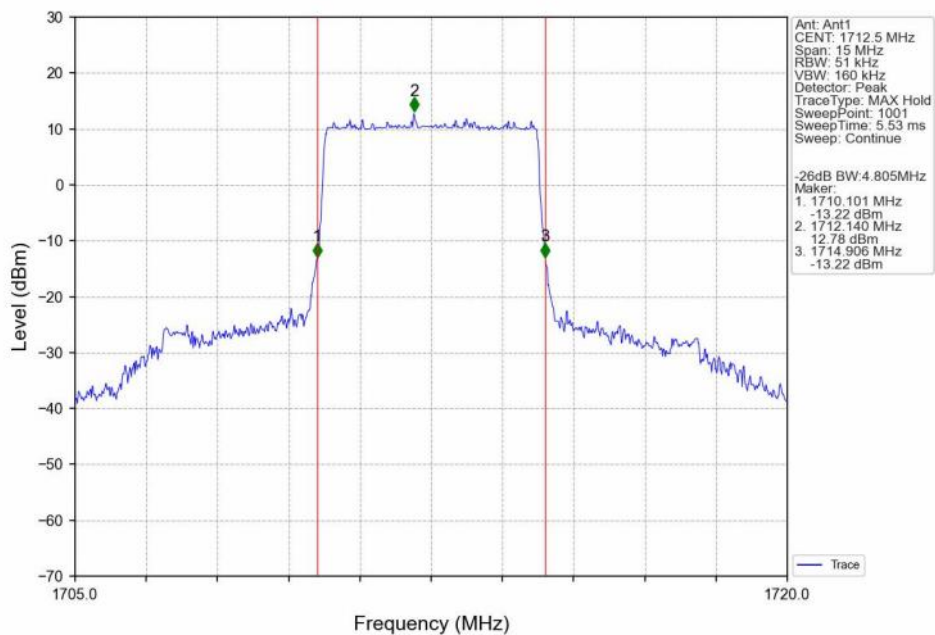
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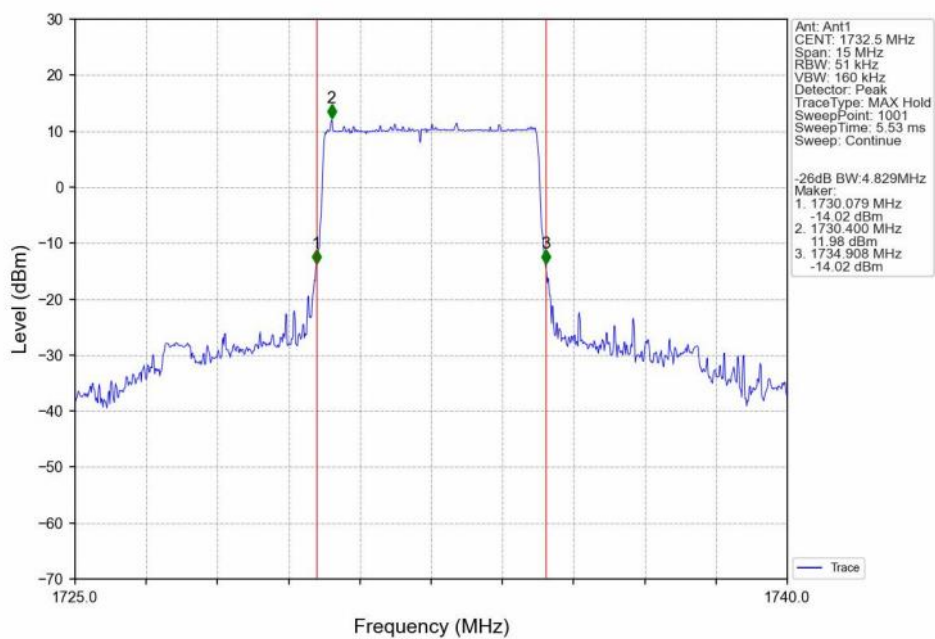
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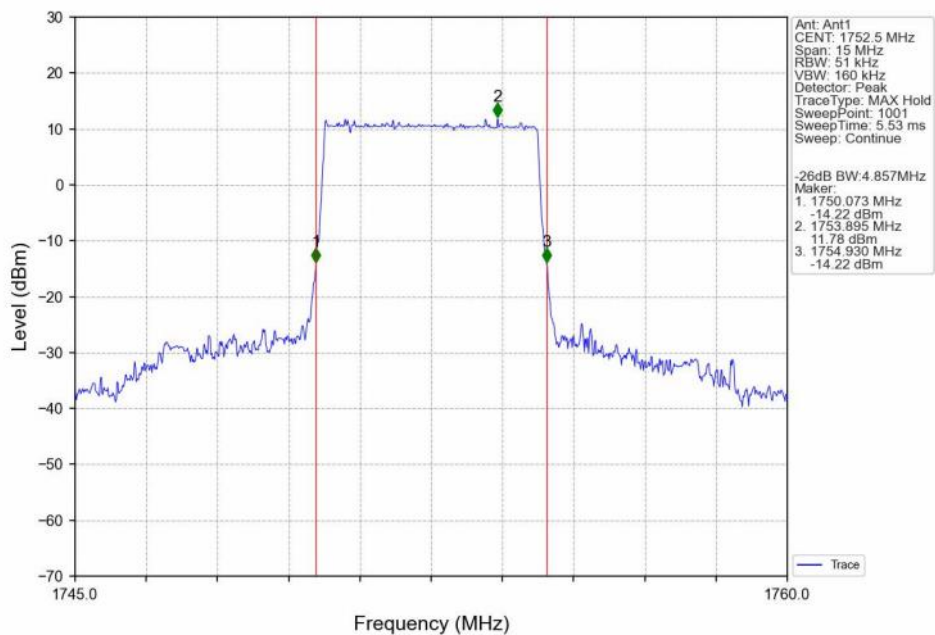
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



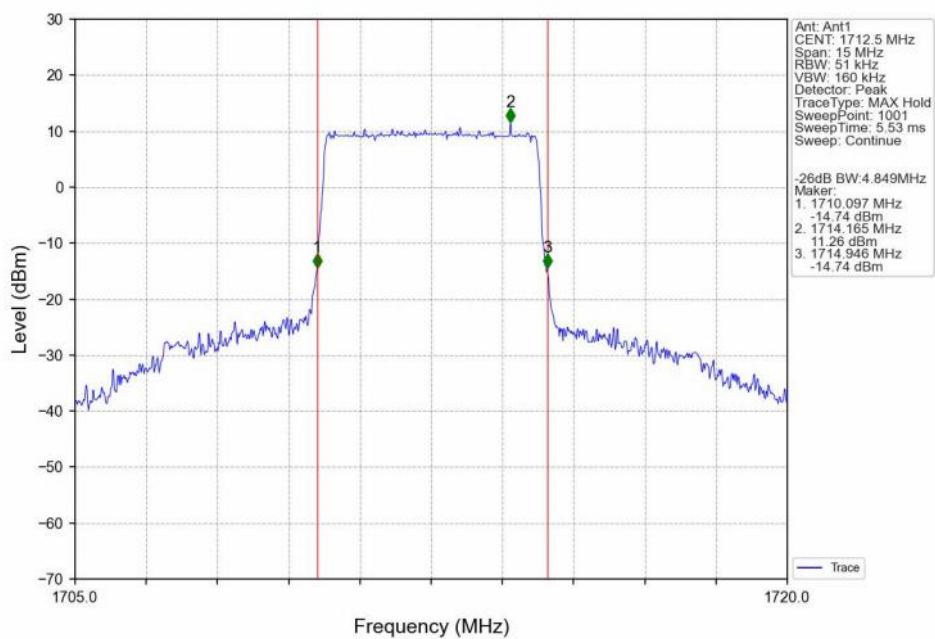
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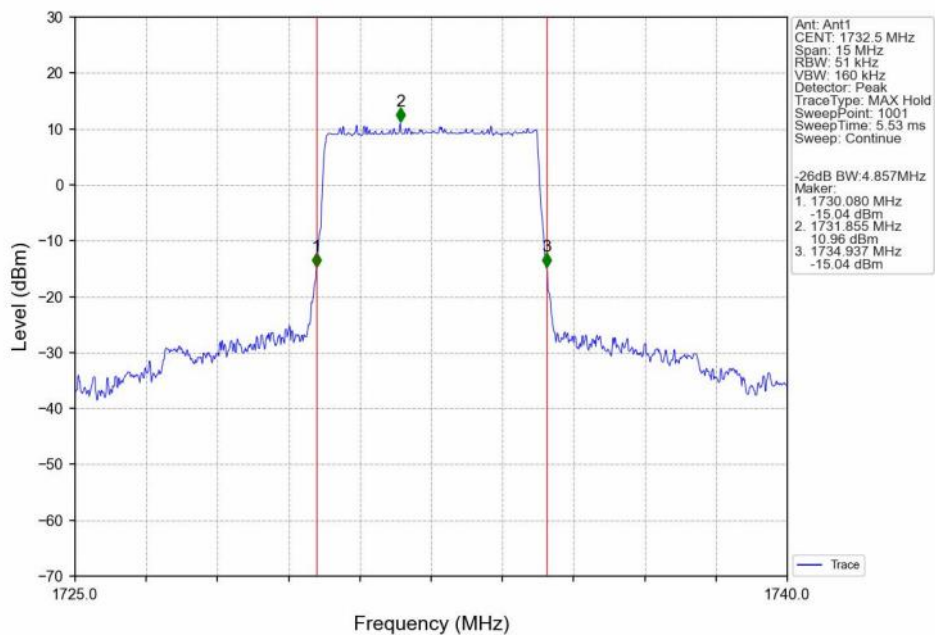
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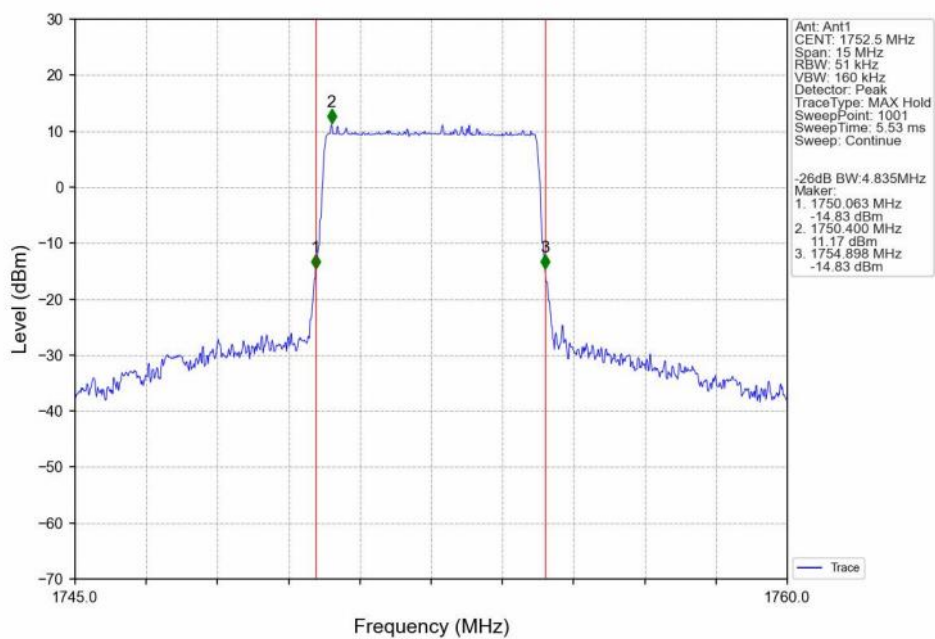
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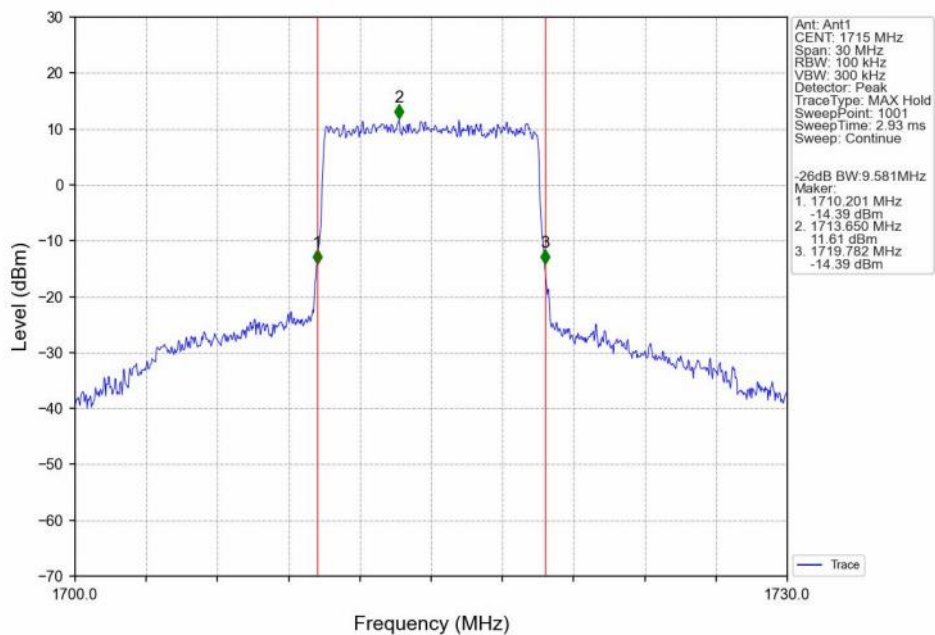
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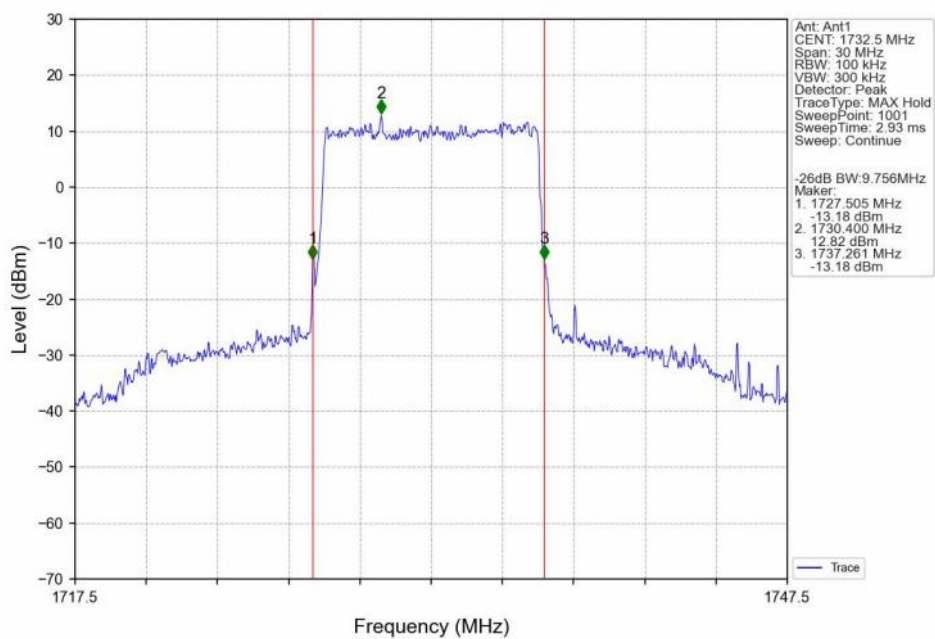
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



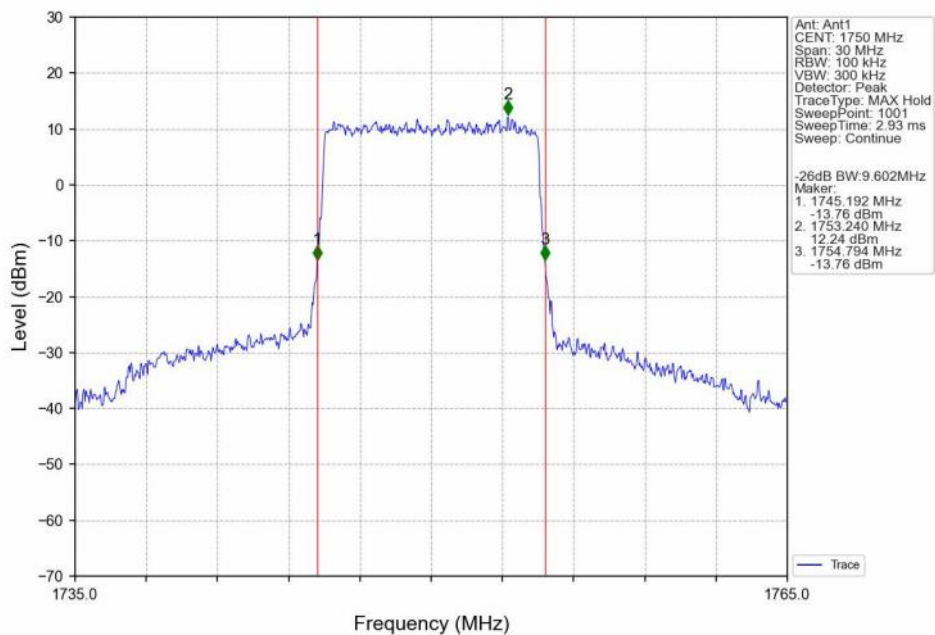
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



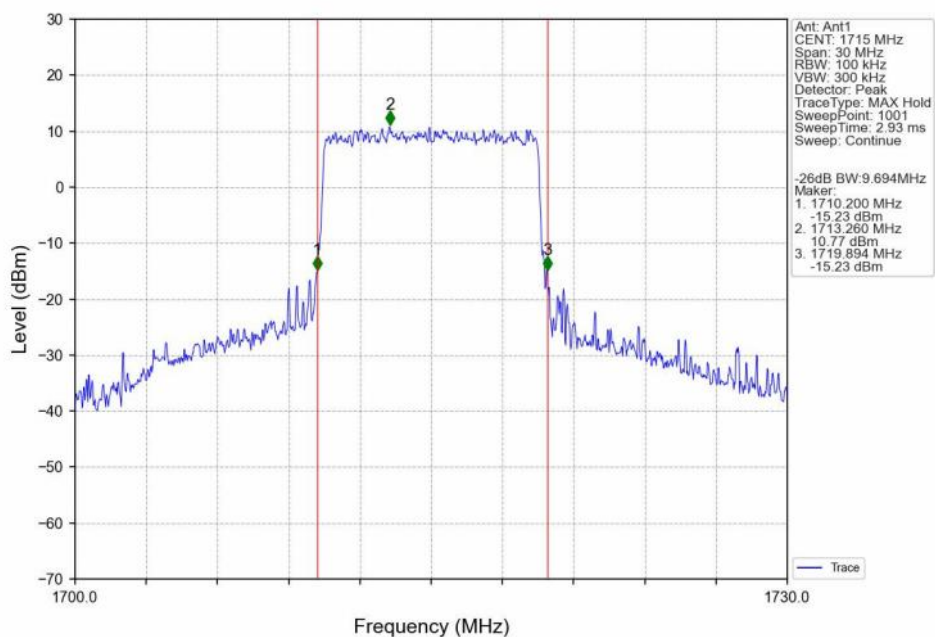
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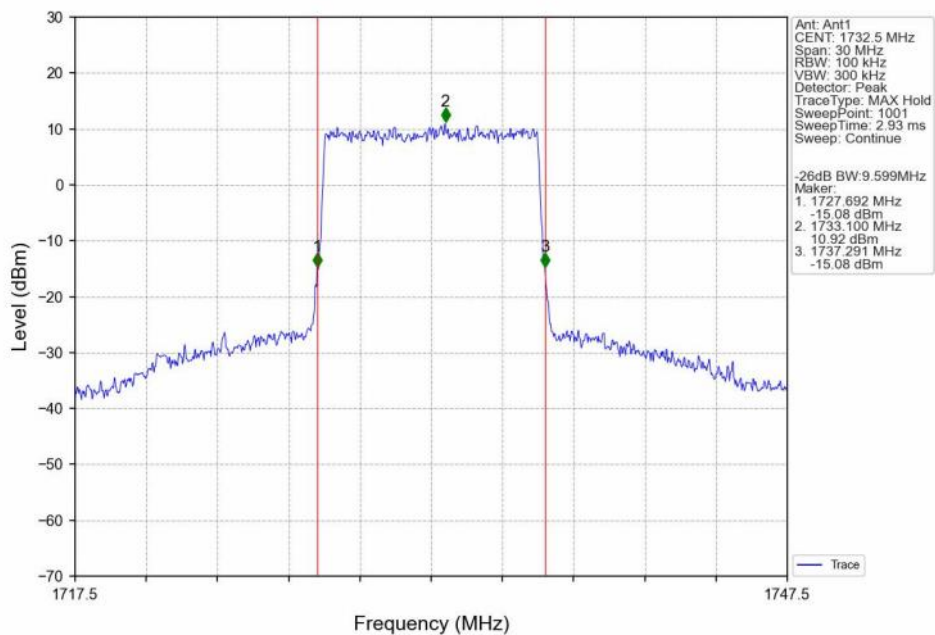
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



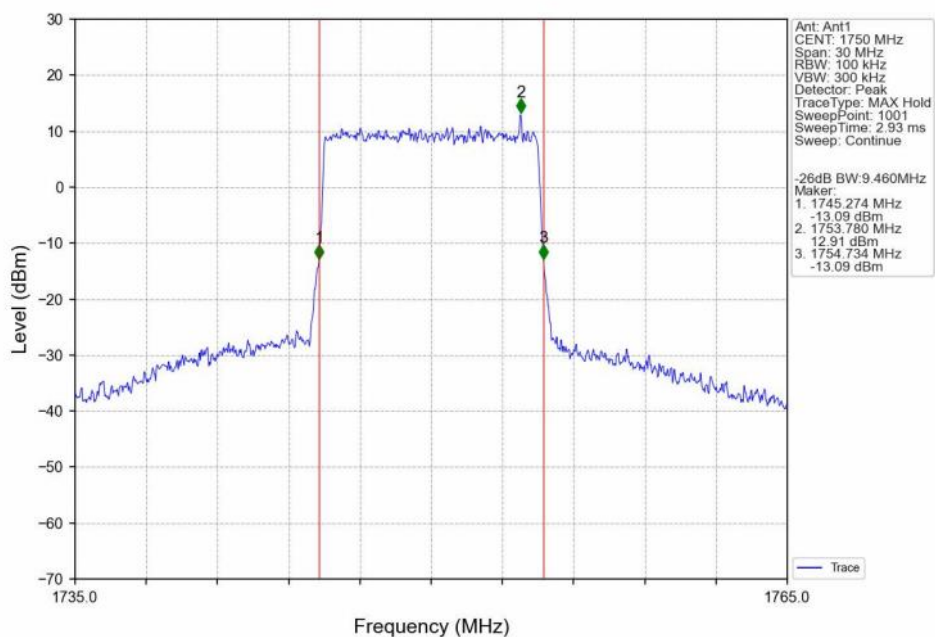
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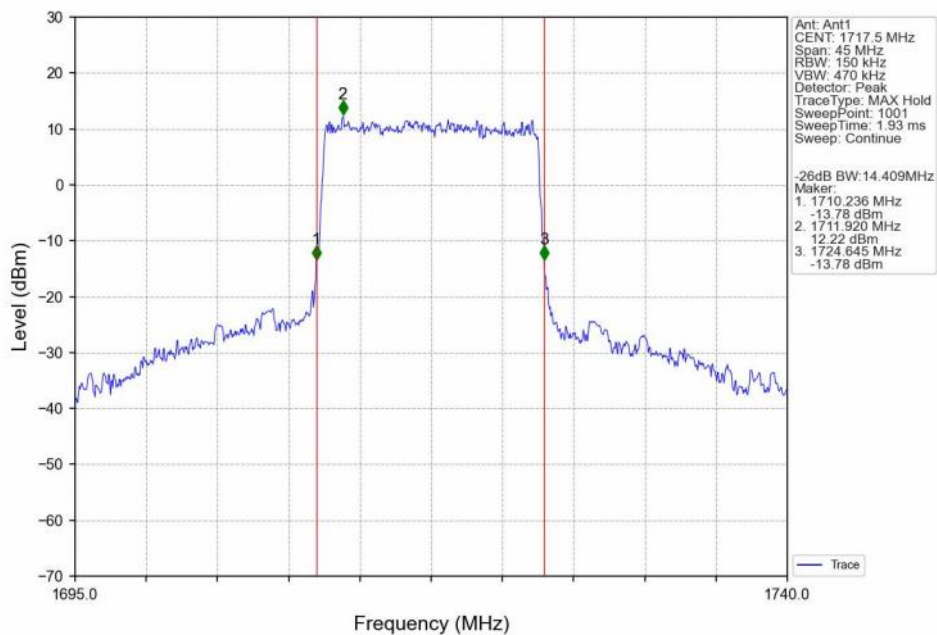
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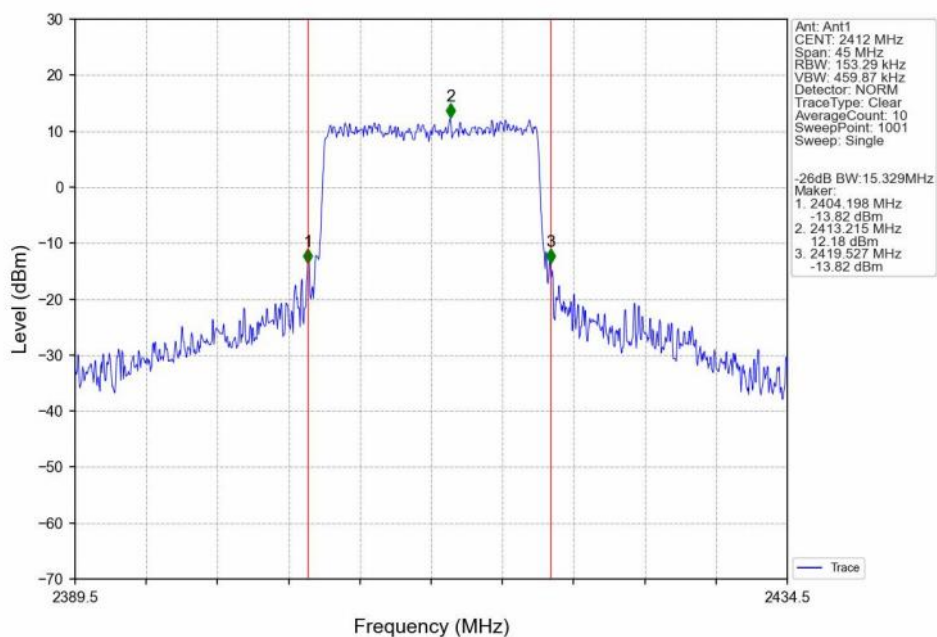
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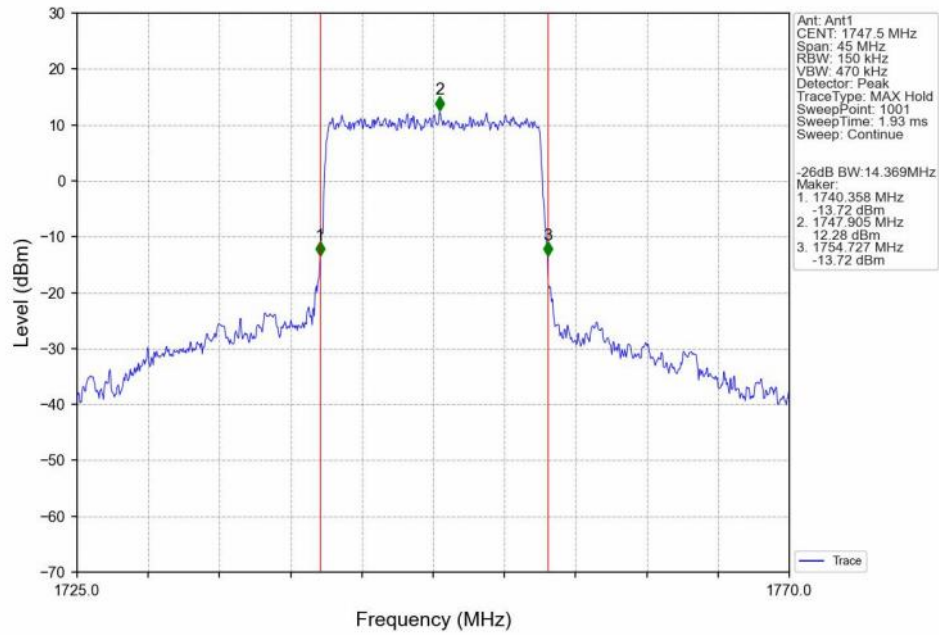
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



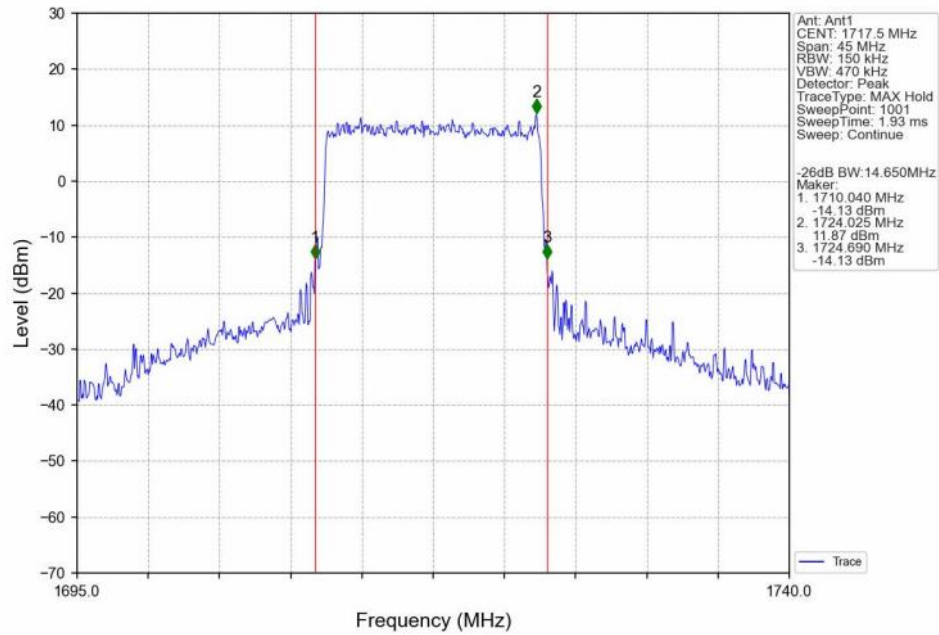
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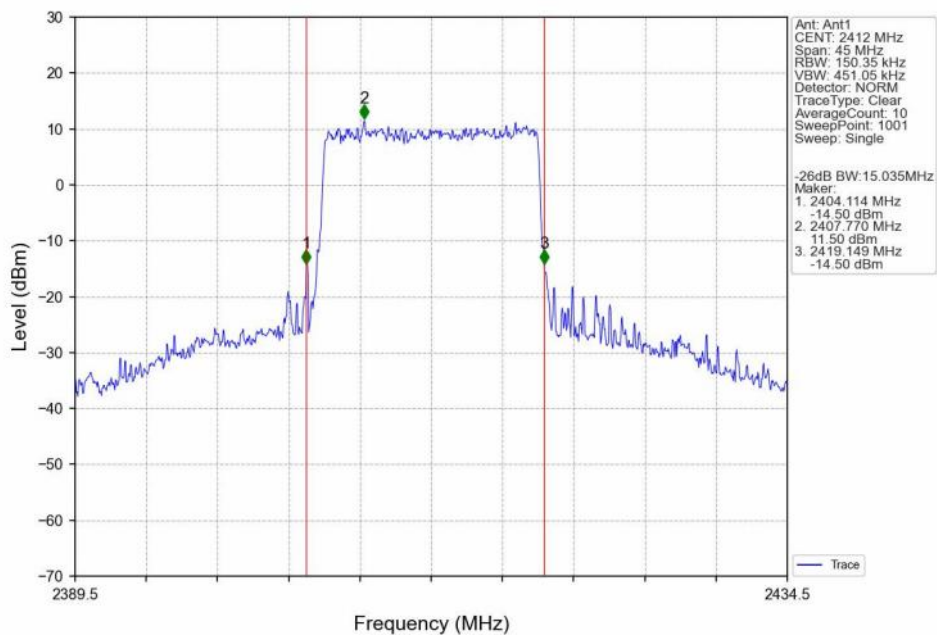
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



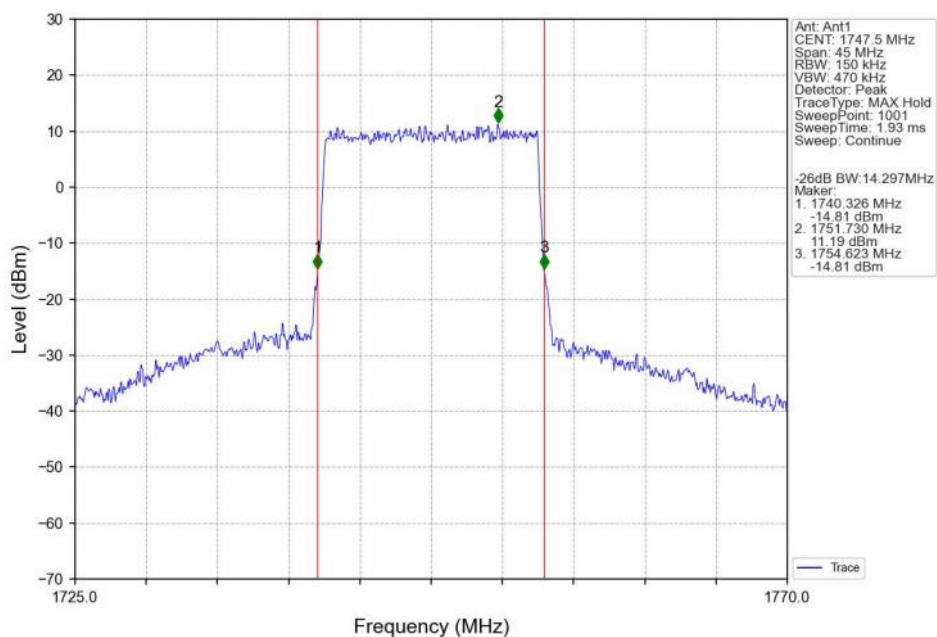
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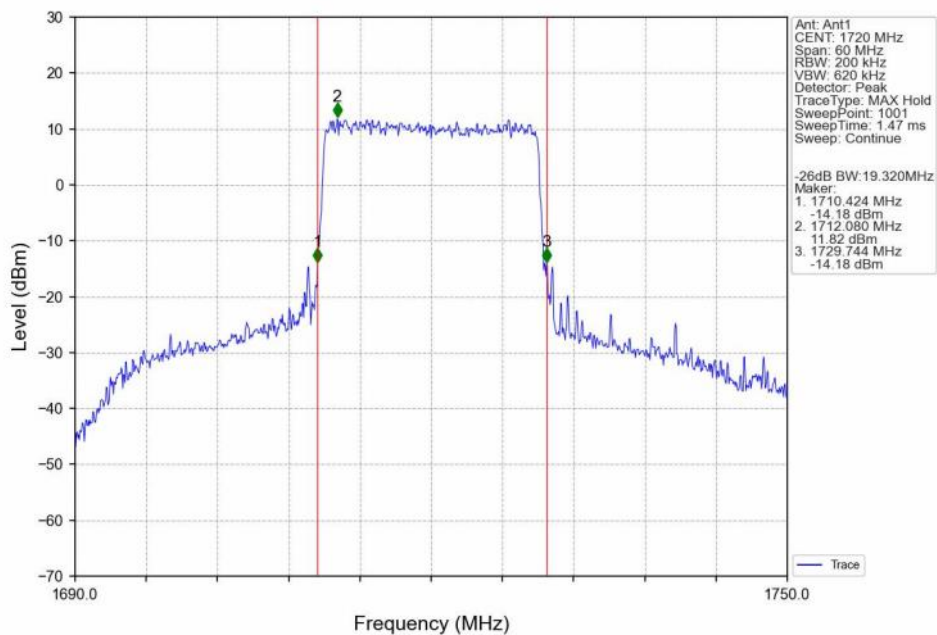
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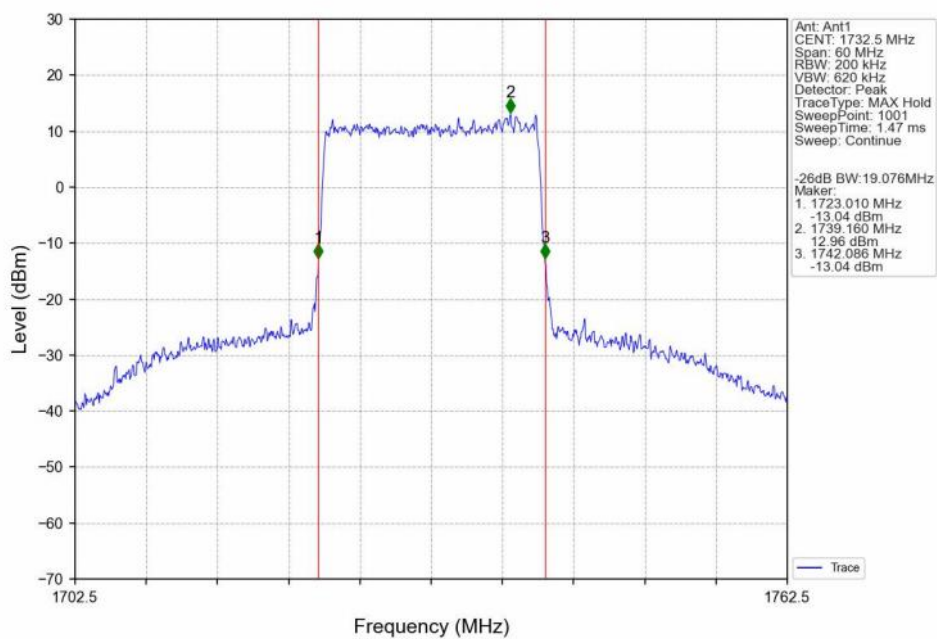
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



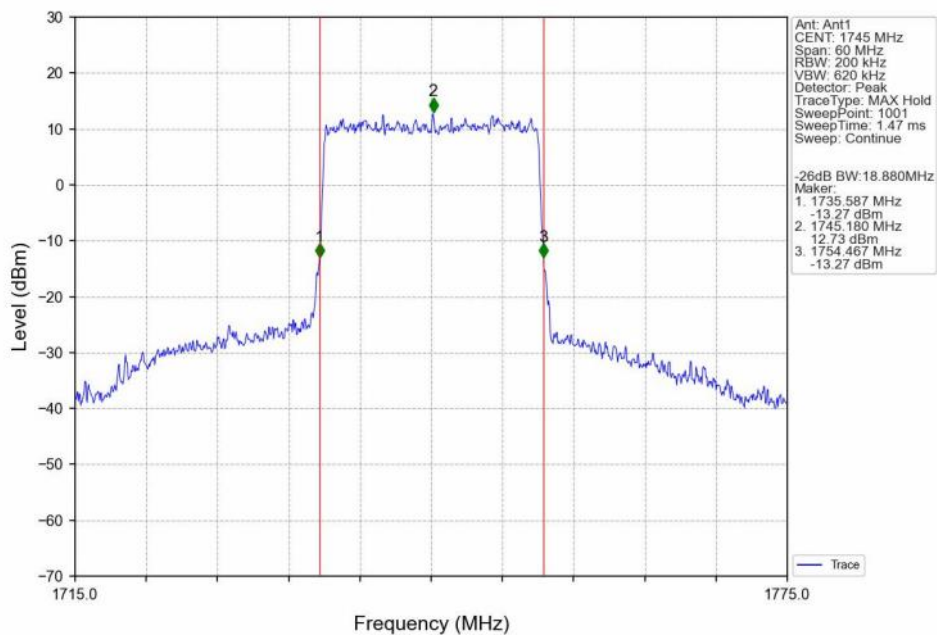
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



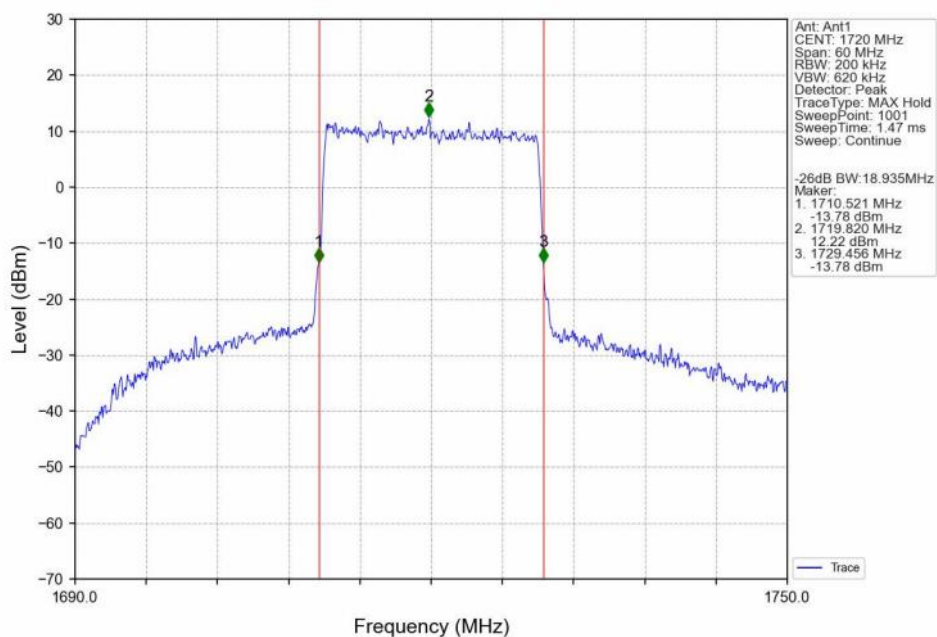
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



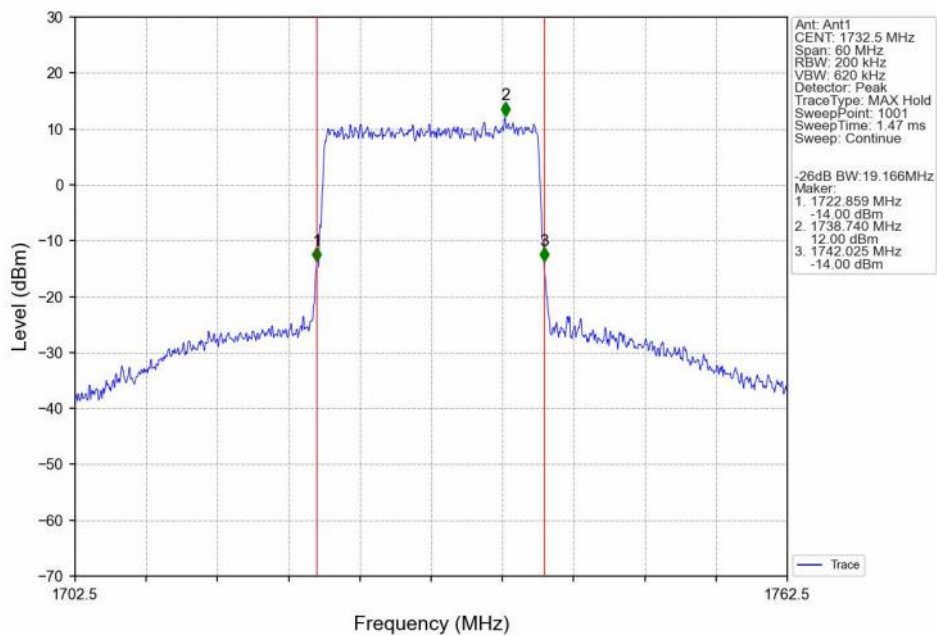
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



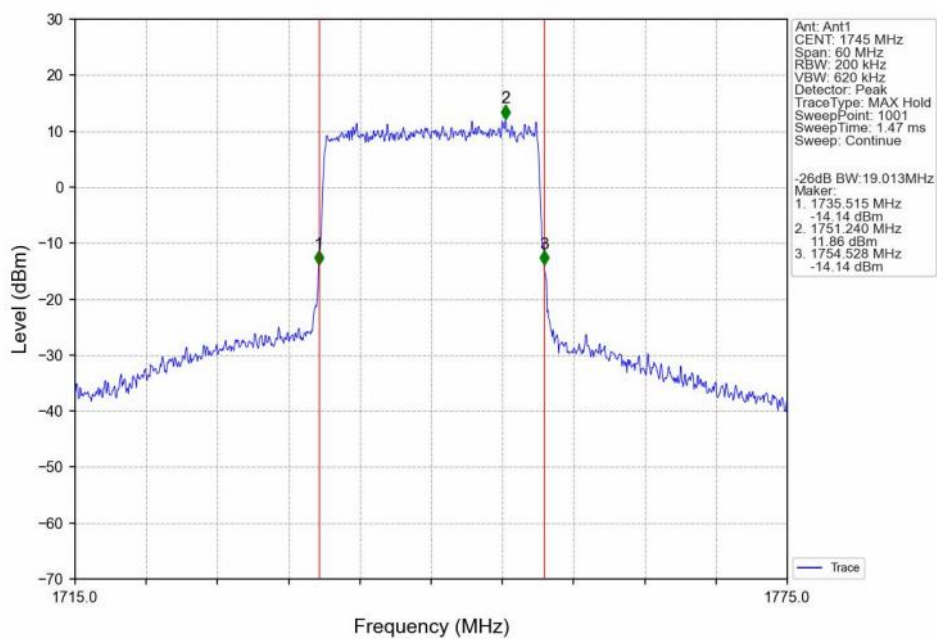
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_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	5.13	<=13	Pass
	1732.5	6	0	5.43	<=13	Pass
	1754.3	6	0	5.19	<=13	Pass
16QAM	1710.7	6	0	5.93	<=13	Pass
	1732.5	6	0	6.29	<=13	Pass
	1754.3	6	0	5.97	<=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	5.24	<=13	Pass
	1732.5	15	0	5.49	<=13	Pass
	1753.5	15	0	5.30	<=13	Pass
16QAM	1711.5	15	0	6.04	<=13	Pass
	1732.5	15	0	6.34	<=13	Pass
	1753.5	15	0	6.12	<=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	5.41	<=13	Pass
	1732.5	25	0	5.76	<=13	Pass
	1752.5	25	0	5.48	<=13	Pass
16QAM	1712.5	25	0	6.13	<=13	Pass
	1732.5	25	0	6.44	<=13	Pass
	1752.5	25	0	6.16	<=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	5.44	<=13	Pass
	1732.5	50	0	5.72	<=13	Pass
	1750	50	0	5.46	<=13	Pass
16QAM	1715	50	0	6.24	<=13	Pass
	1732.5	50	0	6.48	<=13	Pass

	1750	50	0	6.19	<=13	Pass
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5.1.5 B4_15MHz

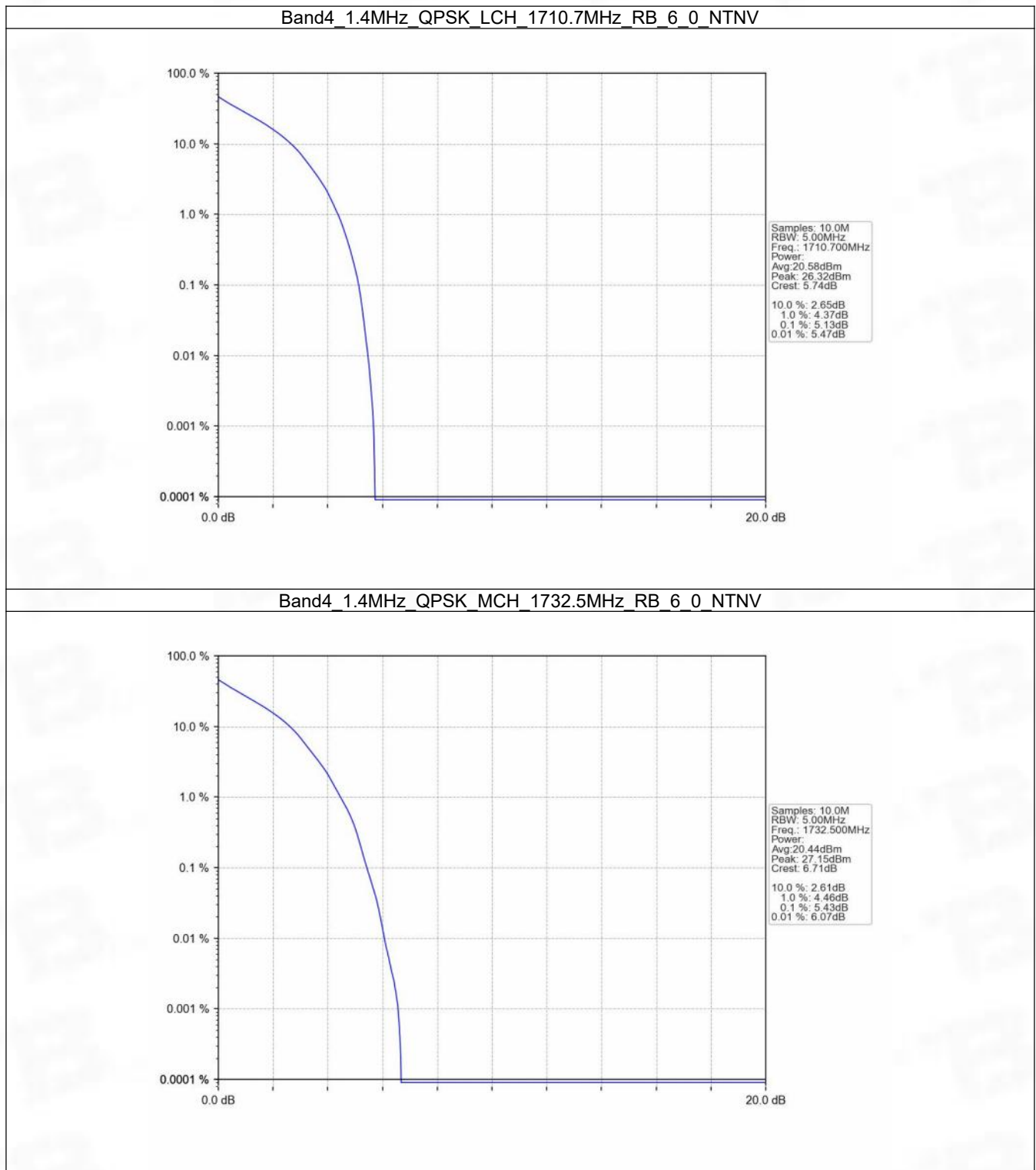
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.76	<=13	Pass
	1732.5	75	0	6.00	<=13	Pass
	1747.5	75	0	5.69	<=13	Pass
16QAM	1717.5	75	0	6.36	<=13	Pass
	1732.5	75	0	6.54	<=13	Pass
	1747.5	75	0	6.27	<=13	Pass

5.1.6 B4_20MHz

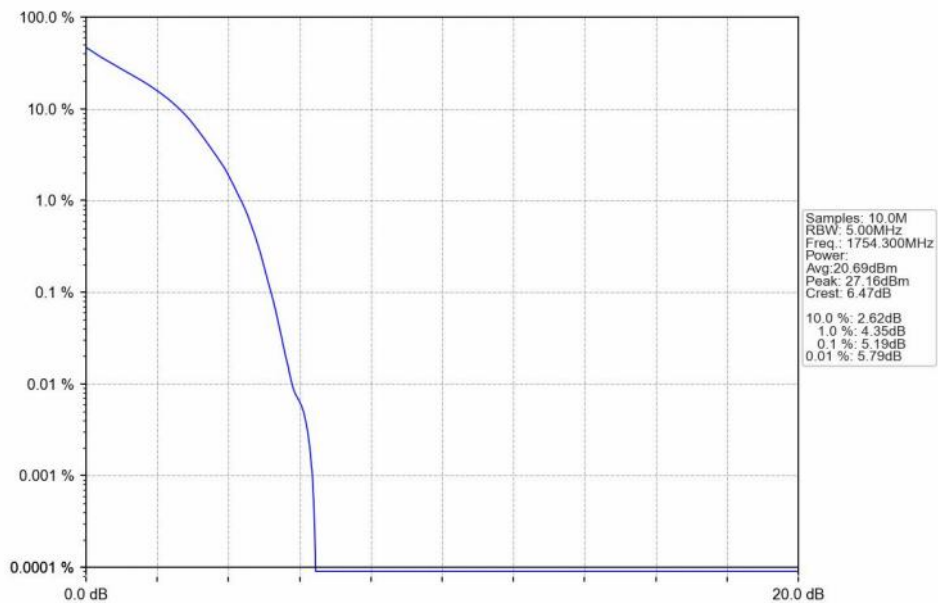
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.67	<=13	Pass
	1732.5	100	0	5.73	<=13	Pass
	1745	100	0	5.52	<=13	Pass
16QAM	1720	100	0	6.36	<=13	Pass
	1732.5	100	0	6.46	<=13	Pass
	1745	100	0	6.30	<=13	Pass

5.2 Test Graph

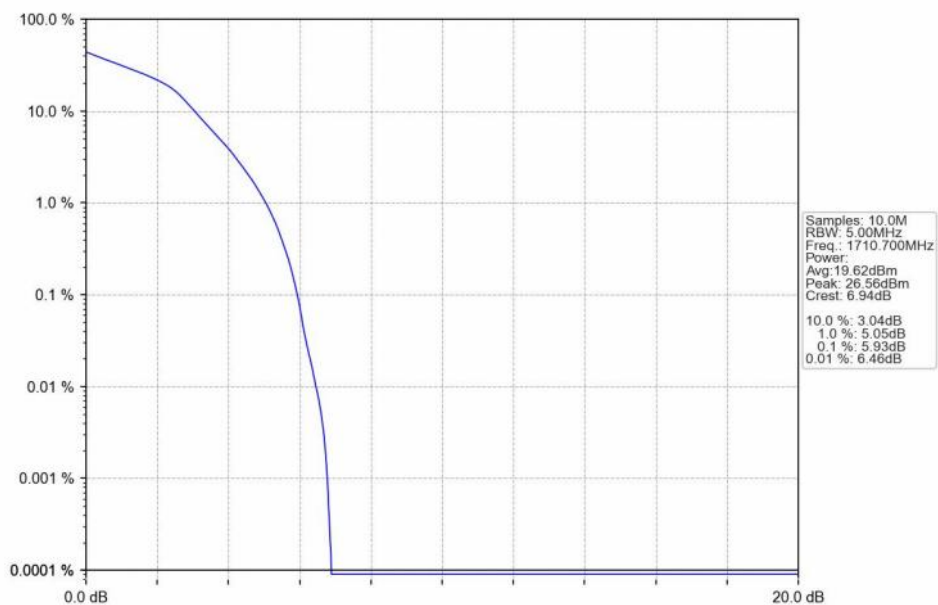
5.2.1 B4_1.4MHz



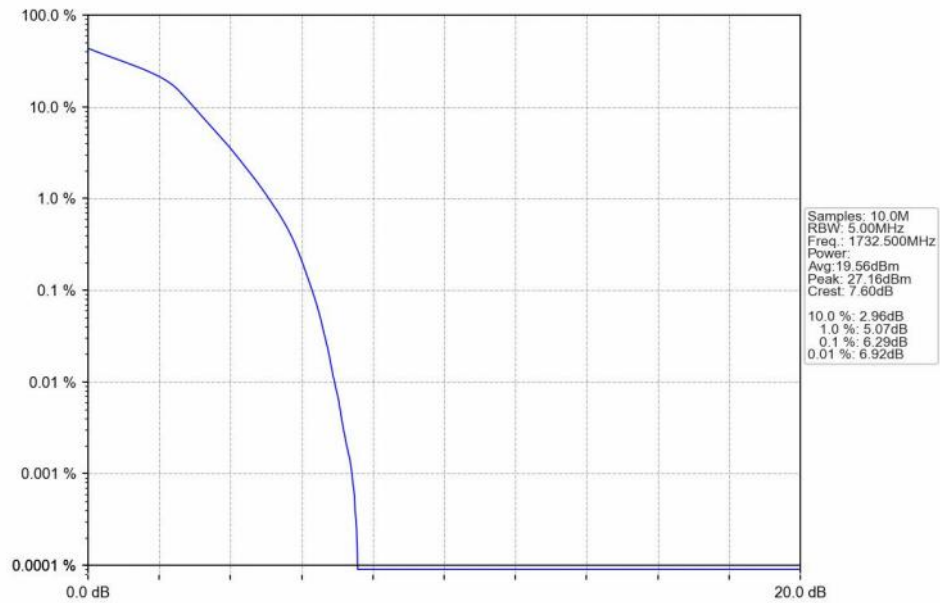
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



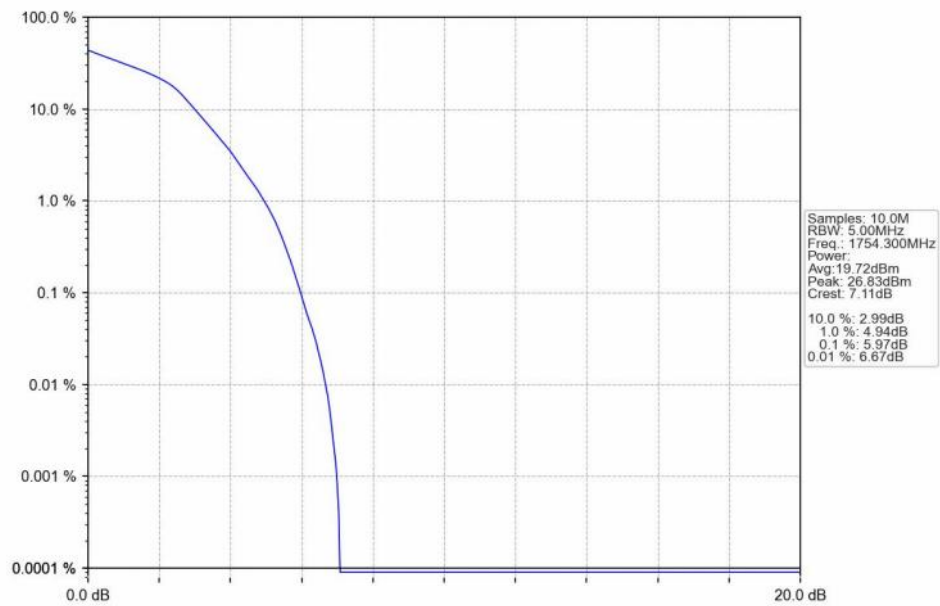
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



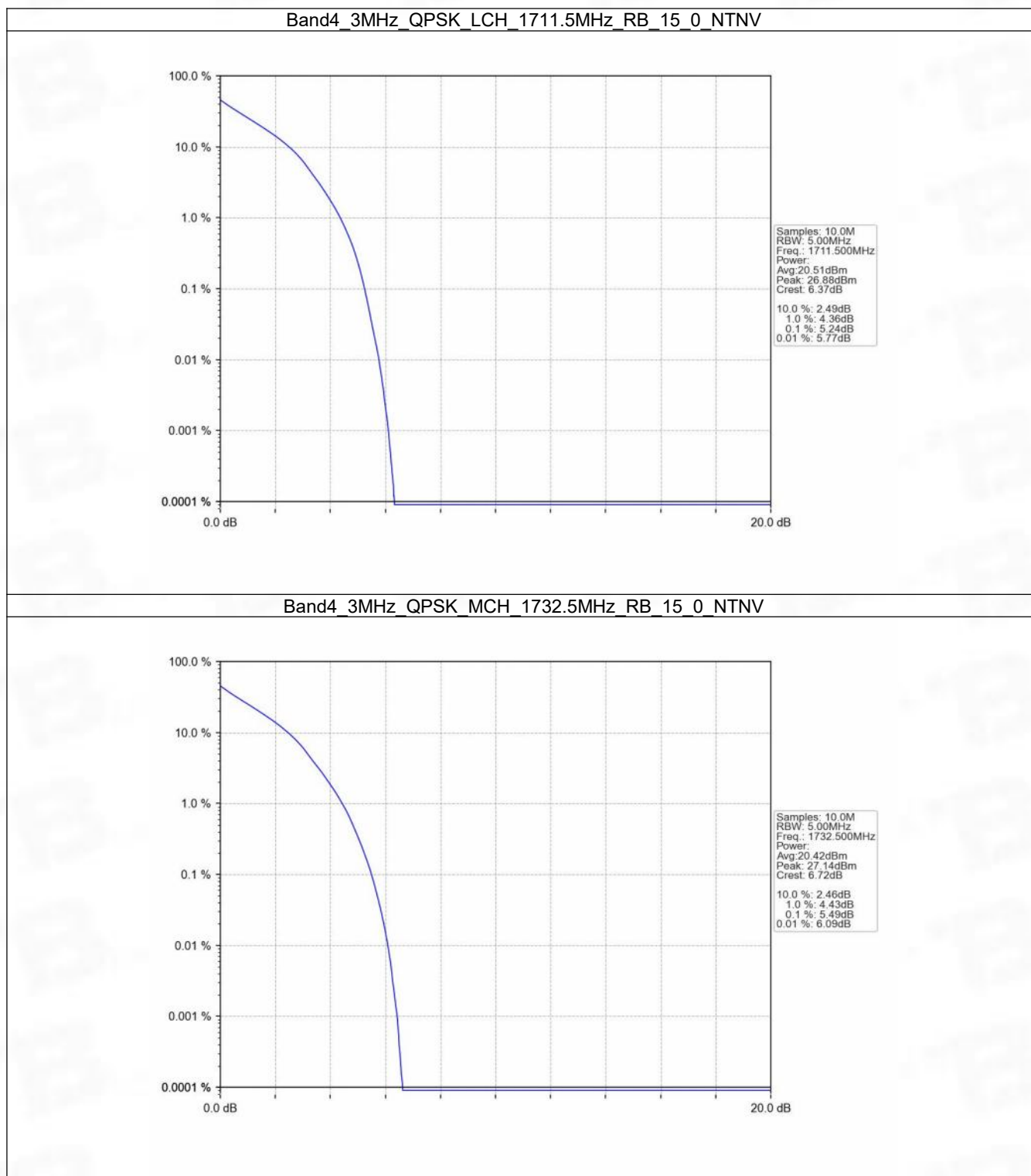
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



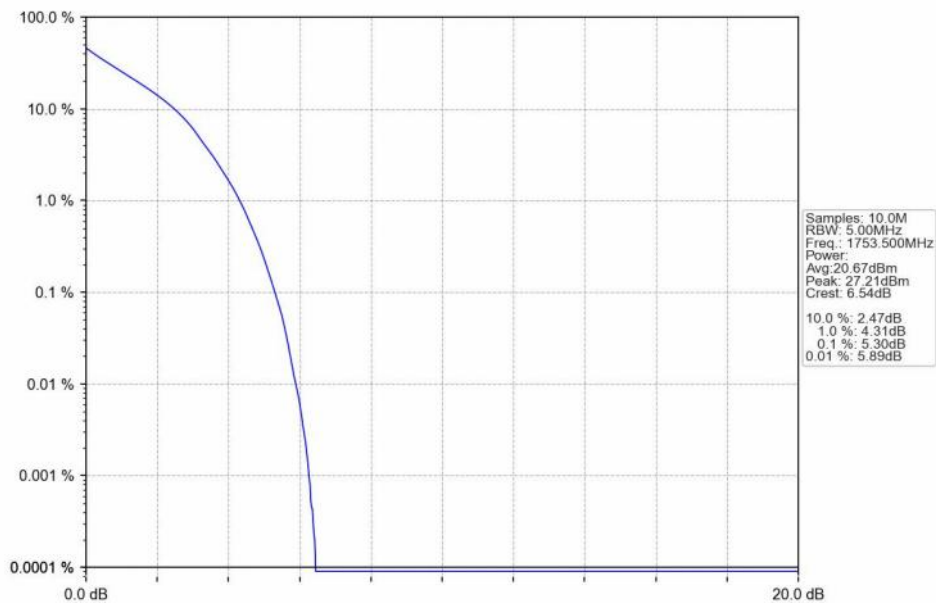
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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

