



1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

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	23.03	3.09	26.12	<=30	Pass
			2	23.09	3.09	26.18	<=30	Pass
			5	23.00	3.09	26.09	<=30	Pass
		3	0	23.01	3.09	26.10	<=30	Pass
			2	22.70	3.09	25.79	<=30	Pass
			3	22.74	3.09	25.83	<=30	Pass
		6	0	21.62	3.09	24.71	<=30	Pass
	1732.5	1	0	22.63	3.09	25.72	<=30	Pass
			2	22.68	3.09	25.77	<=30	Pass
			5	22.61	3.09	25.70	<=30	Pass
		3	0	22.74	3.09	25.83	<=30	Pass
			2	22.78	3.09	25.87	<=30	Pass
			3	22.73	3.09	25.82	<=30	Pass
		6	0	21.77	3.09	24.86	<=30	Pass
	1754.3	1	0	22.43	3.09	25.52	<=30	Pass
			2	22.51	3.09	25.60	<=30	Pass
			5	22.41	3.09	25.50	<=30	Pass
		3	0	22.62	3.09	25.71	<=30	Pass
			2	22.66	3.09	25.75	<=30	Pass
			3	22.63	3.09	25.72	<=30	Pass
		6	0	21.63	3.09	24.72	<=30	Pass
16QAM	1710.7	1	0	21.59	3.09	24.68	<=30	Pass
			2	21.65	3.09	24.74	<=30	Pass
			5	21.64	3.09	24.73	<=30	Pass
		3	0	21.84	3.09	24.93	<=30	Pass
			2	21.84	3.09	24.93	<=30	Pass
			3	21.86	3.09	24.95	<=30	Pass
		6	0	20.65	3.09	23.74	<=30	Pass
	1732.5	1	0	21.69	3.09	24.78	<=30	Pass
			2	21.77	3.09	24.86	<=30	Pass
			5	21.69	3.09	24.78	<=30	Pass
		3	0	21.64	3.09	24.73	<=30	Pass
			2	21.67	3.09	24.76	<=30	Pass
			3	21.65	3.09	24.74	<=30	Pass
		6	0	20.78	3.09	23.87	<=30	Pass
	1754.3	1	0	21.47	3.09	24.56	<=30	Pass
			2	21.52	3.09	24.61	<=30	Pass
			5	21.45	3.09	24.54	<=30	Pass
		3	0	21.86	3.09	24.95	<=30	Pass
			2	21.87	3.09	24.96	<=30	Pass
			3	21.87	3.09	24.96	<=30	Pass
		6	0	20.67	3.09	23.76	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B4_3MHz_EIRP



1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	22.35	3.09	25.44	<=30	Pass
			7	22.44	3.09	25.53	<=30	Pass
			14	22.36	3.09	25.45	<=30	Pass
		8	0	21.58	3.09	24.67	<=30	Pass
			4	21.60	3.09	24.69	<=30	Pass
			7	21.53	3.09	24.62	<=30	Pass
		15	0	21.58	3.09	24.67	<=30	Pass
	1732.5	1	0	22.41	3.09	25.50	<=30	Pass
			7	22.55	3.09	25.64	<=30	Pass
			14	22.38	3.09	25.47	<=30	Pass
		8	0	21.66	3.09	24.75	<=30	Pass
			4	21.68	3.09	24.77	<=30	Pass
			7	21.60	3.09	24.69	<=30	Pass
		15	0	21.57	3.09	24.66	<=30	Pass
	1753.5	1	0	22.24	3.09	25.33	<=30	Pass
			7	22.43	3.09	25.52	<=30	Pass
			14	22.29	3.09	25.38	<=30	Pass
		8	0	21.58	3.09	24.67	<=30	Pass
			4	21.57	3.09	24.66	<=30	Pass
			7	21.53	3.09	24.62	<=30	Pass
		15	0	21.54	3.09	24.63	<=30	Pass
16QAM	1711.5	1	0	21.41	3.09	24.50	<=30	Pass
			7	21.53	3.09	24.62	<=30	Pass
			14	21.48	3.09	24.57	<=30	Pass
		8	0	20.68	3.09	23.77	<=30	Pass
			4	20.75	3.09	23.84	<=30	Pass
			7	20.66	3.09	23.75	<=30	Pass
		15	0	20.72	3.09	23.81	<=30	Pass
	1732.5	1	0	21.53	3.09	24.62	<=30	Pass
			7	21.64	3.09	24.73	<=30	Pass
			14	21.53	3.09	24.62	<=30	Pass
		8	0	20.63	3.09	23.72	<=30	Pass
			4	20.63	3.09	23.72	<=30	Pass
			7	20.58	3.09	23.67	<=30	Pass
		15	0	20.55	3.09	23.64	<=30	Pass
	1753.5	1	0	21.93	3.09	25.02	<=30	Pass
			7	22.03	3.09	25.12	<=30	Pass
			14	21.80	3.09	24.89	<=30	Pass
		8	0	20.75	3.09	23.84	<=30	Pass
4			20.78	3.09	23.87	<=30	Pass	
7			20.73	3.09	23.82	<=30	Pass	
15		0	20.63	3.09	23.72	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

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	22.53	3.09	25.62	<=30	Pass	
			13	22.74	3.09	25.83	<=30	Pass	
			24	22.67	3.09	25.76	<=30	Pass	
		12	0	21.66	3.09	24.75	<=30	Pass	
			6	21.68	3.09	24.77	<=30	Pass	
			13	21.74	3.09	24.83	<=30	Pass	
		25	0	21.70	3.09	24.79	<=30	Pass	
		1732.5	1	0	22.68	3.09	25.77	<=30	Pass
				13	22.77	3.09	25.86	<=30	Pass
	24			22.67	3.09	25.76	<=30	Pass	
	12		0	21.66	3.09	24.75	<=30	Pass	
			6	21.71	3.09	24.80	<=30	Pass	
			13	21.68	3.09	24.77	<=30	Pass	
	25		0	21.69	3.09	24.78	<=30	Pass	
	1752.5		1	0	22.60	3.09	25.69	<=30	Pass
				13	22.69	3.09	25.78	<=30	Pass
		24		22.58	3.09	25.67	<=30	Pass	
		12	0	21.58	3.09	24.67	<=30	Pass	
			6	21.66	3.09	24.75	<=30	Pass	
			13	21.69	3.09	24.78	<=30	Pass	
		25	0	21.67	3.09	24.76	<=30	Pass	

16QAM	1712.5	1	0	21.95	3.09	25.04	<=30	Pass	
			13	22.09	3.09	25.18	<=30	Pass	
			24	21.97	3.09	25.06	<=30	Pass	
		12	0	20.75	3.09	23.84	<=30	Pass	
			6	20.83	3.09	23.92	<=30	Pass	
			13	20.87	3.09	23.96	<=30	Pass	
		25	0	20.77	3.09	23.86	<=30	Pass	
		1732.5	1	0	21.42	3.09	24.51	<=30	Pass
				13	21.54	3.09	24.63	<=30	Pass
	24			21.45	3.09	24.54	<=30	Pass	
	12		0	20.65	3.09	23.74	<=30	Pass	
			6	20.73	3.09	23.82	<=30	Pass	
			13	20.67	3.09	23.76	<=30	Pass	
	25		0	20.74	3.09	23.83	<=30	Pass	
	1752.5		1	0	21.72	3.09	24.81	<=30	Pass
				13	21.79	3.09	24.88	<=30	Pass
		24		21.65	3.09	24.74	<=30	Pass	
		12	0	20.63	3.09	23.72	<=30	Pass	
			6	20.70	3.09	23.79	<=30	Pass	
			13	20.73	3.09	23.82	<=30	Pass	
		25	0	20.75	3.09	23.84	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B4_10MHz_EIRP

1.4.1 Test Result

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	22.64	3.09	25.73	<=30	Pass
			25	22.70	3.09	25.79	<=30	Pass
			49	22.69	3.09	25.78	<=30	Pass
		25	0	21.58	3.09	24.67	<=30	Pass
			13	21.75	3.09	24.84	<=30	Pass
			25	21.75	3.09	24.84	<=30	Pass



	1732.5	50	0	21.76	3.09	24.85	<=30	Pass
		1	0	22.81	3.09	25.90	<=30	Pass
			25	22.75	3.09	25.84	<=30	Pass
			49	22.69	3.09	25.78	<=30	Pass
		25	0	21.67	3.09	24.76	<=30	Pass
			13	21.74	3.09	24.83	<=30	Pass
			25	21.67	3.09	24.76	<=30	Pass
		50	0	21.70	3.09	24.79	<=30	Pass
	1750	1	0	22.69	3.09	25.78	<=30	Pass
			25	22.75	3.09	25.84	<=30	Pass
			49	22.69	3.09	25.78	<=30	Pass
		25	0	21.61	3.09	24.70	<=30	Pass
			13	21.75	3.09	24.84	<=30	Pass
			25	21.72	3.09	24.81	<=30	Pass
		50	0	21.75	3.09	24.84	<=30	Pass
16QAM	1715	1	0	21.86	3.09	24.95	<=30	Pass
			25	21.93	3.09	25.02	<=30	Pass
			49	21.89	3.09	24.98	<=30	Pass
		25	0	20.71	3.09	23.80	<=30	Pass
			13	20.91	3.09	24.00	<=30	Pass
			25	20.89	3.09	23.98	<=30	Pass
		50	0	20.78	3.09	23.87	<=30	Pass
	1732.5	1	0	22.16	3.09	25.25	<=30	Pass
			25	22.21	3.09	25.30	<=30	Pass
			49	22.30	3.09	25.39	<=30	Pass
		25	0	20.75	3.09	23.84	<=30	Pass
			13	20.83	3.09	23.92	<=30	Pass
			25	20.77	3.09	23.86	<=30	Pass
		50	0	20.79	3.09	23.88	<=30	Pass
	1750	1	0	21.78	3.09	24.87	<=30	Pass
			25	21.79	3.09	24.88	<=30	Pass
			49	21.68	3.09	24.77	<=30	Pass
		25	0	20.75	3.09	23.84	<=30	Pass
			13	20.92	3.09	24.01	<=30	Pass
			25	20.86	3.09	23.95	<=30	Pass
		50	0	20.82	3.09	23.91	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	22.58	3.09	25.67	<=30	Pass
			38	22.74	3.09	25.83	<=30	Pass
			74	22.73	3.09	25.82	<=30	Pass
		36	0	21.56	3.09	24.65	<=30	Pass
			18	21.75	3.09	24.84	<=30	Pass
			39	21.78	3.09	24.87	<=30	Pass
		75	0	21.77	3.09	24.86	<=30	Pass
	1732.5	1	0	22.70	3.09	25.79	<=30	Pass
			38	22.78	3.09	25.87	<=30	Pass
			74	22.61	3.09	25.70	<=30	Pass
		36	0	21.83	3.09	24.92	<=30	Pass
			18	21.86	3.09	24.95	<=30	Pass



			39	21.77	3.09	24.86	<=30	Pass	
		75	0	21.83	3.09	24.92	<=30	Pass	
	1747.5	1	0	22.62	3.09	25.71	<=30	Pass	
			38	22.77	3.09	25.86	<=30	Pass	
			74	22.62	3.09	25.71	<=30	Pass	
		36	0	21.68	3.09	24.77	<=30	Pass	
			18	21.74	3.09	24.83	<=30	Pass	
			39	21.77	3.09	24.86	<=30	Pass	
		75	0	21.78	3.09	24.87	<=30	Pass	
	16QAM	1717.5	1	0	22.00	3.09	25.09	<=30	Pass
38				22.20	3.09	25.29	<=30	Pass	
74				21.94	3.09	25.03	<=30	Pass	
36			0	20.62	3.09	23.71	<=30	Pass	
			18	20.77	3.09	23.86	<=30	Pass	
			39	20.74	3.09	23.83	<=30	Pass	
75			0	20.73	3.09	23.82	<=30	Pass	
1732.5		1	0	21.81	3.09	24.90	<=30	Pass	
			38	21.88	3.09	24.97	<=30	Pass	
			74	21.88	3.09	24.97	<=30	Pass	
		36	0	20.69	3.09	23.78	<=30	Pass	
			18	20.80	3.09	23.89	<=30	Pass	
			39	20.79	3.09	23.88	<=30	Pass	
		75	0	20.80	3.09	23.89	<=30	Pass	
1747.5		1	0	22.29	3.09	25.38	<=30	Pass	
			38	22.45	3.09	25.54	<=30	Pass	
			74	22.16	3.09	25.25	<=30	Pass	
		36	0	20.73	3.09	23.82	<=30	Pass	
			18	20.85	3.09	23.94	<=30	Pass	
			39	20.79	3.09	23.88	<=30	Pass	
		75	0	20.79	3.09	23.88	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	23.07	3.09	26.16	<=30	Pass
			50	22.77	3.09	25.86	<=30	Pass
			99	22.70	3.09	25.79	<=30	Pass
		50	0	21.57	3.09	24.66	<=30	Pass
			25	21.79	3.09	24.88	<=30	Pass
			50	21.70	3.09	24.79	<=30	Pass
	1732.5	100	0	21.64	3.09	24.73	<=30	Pass
			0	23.10	3.09	26.19	<=30	Pass
			50	22.76	3.09	25.85	<=30	Pass
		50	99	22.65	3.09	25.74	<=30	Pass
			0	21.72	3.09	24.81	<=30	Pass
			25	21.69	3.09	24.78	<=30	Pass
	1745	50	50	21.69	3.09	24.78	<=30	Pass
			0	21.71	3.09	24.80	<=30	Pass
			0	23.08	3.09	26.17	<=30	Pass
		1	50	22.72	3.09	25.81	<=30	Pass
			99	22.54	3.09	25.63	<=30	Pass
			0	21.77	3.09	24.86	<=30	Pass



16QAM	1720	100	25	21.83	3.09	24.92	<=30	Pass
			50	21.89	3.09	24.98	<=30	Pass
			0	21.83	3.09	24.92	<=30	Pass
		1	0	22.31	3.09	25.40	<=30	Pass
			50	21.94	3.09	25.03	<=30	Pass
			99	21.74	3.09	24.83	<=30	Pass
		50	0	20.63	3.09	23.72	<=30	Pass
			25	20.81	3.09	23.90	<=30	Pass
			50	20.73	3.09	23.82	<=30	Pass
		100	0	20.71	3.09	23.80	<=30	Pass
	1732.5	1	0	22.26	3.09	25.35	<=30	Pass
			50	21.96	3.09	25.05	<=30	Pass
			99	21.97	3.09	25.06	<=30	Pass
		50	0	20.74	3.09	23.83	<=30	Pass
			25	20.81	3.09	23.90	<=30	Pass
			50	20.77	3.09	23.86	<=30	Pass
		100	0	20.74	3.09	23.83	<=30	Pass
	1745	1	0	22.56	3.09	25.65	<=30	Pass
			50	22.40	3.09	25.49	<=30	Pass
			99	22.11	3.09	25.20	<=30	Pass
		50	0	20.81	3.09	23.90	<=30	Pass
			25	20.88	3.09	23.97	<=30	Pass
			50	20.96	3.09	24.05	<=30	Pass
		100	0	20.89	3.09	23.98	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

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	10.829	0.0063	-2.5 to 2.5	Pass
					3.85	-2.203	-0.0013	-2.5 to 2.5	Pass
					4.43	1.359	0.0008	-2.5 to 2.5	Pass
				-30	3.85	7.882	0.0046	-2.5 to 2.5	Pass
				-20	3.85	0.372	0.0002	-2.5 to 2.5	Pass
				-10	3.85	12.803	0.0075	-2.5 to 2.5	Pass
				0	3.85	-7.110	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.220	-0.0025	-2.5 to 2.5	Pass
				40	3.85	6.938	0.0041	-2.5 to 2.5	Pass
				50	3.85	0.086	0.0001	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-8.111	-0.0047	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
					4.43	-11.787	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	4.706	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-12.345	-0.0071	-2.5 to 2.5	Pass
				0	3.85	7.782	0.0045	-2.5 to 2.5	Pass
				10	3.85	8.512	0.0049	-2.5 to 2.5	Pass
				30	3.85	-17.452	-0.0101	-2.5 to 2.5	Pass
				40	3.85	1.073	0.0006	-2.5 to 2.5	Pass



	1754.3	6	0	50	3.85	9.470	0.0055	-2.5 to 2.5	Pass
				20	3.27	-2.475	-0.0014	-2.5 to 2.5	Pass
					3.85	-16.408	-0.0094	-2.5 to 2.5	Pass
					4.43	11.745	0.0067	-2.5 to 2.5	Pass
				-30	3.85	4.663	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-9.499	-0.0054	-2.5 to 2.5	Pass
				-10	3.85	-14.920	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-13.647	-0.0078	-2.5 to 2.5	Pass
				10	3.85	8.354	0.0048	-2.5 to 2.5	Pass
				30	3.85	-18.411	-0.0105	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	40	3.85	-0.072	0.0000	-2.5 to 2.5	Pass
				50	3.85	4.392	0.0025	-2.5 to 2.5	Pass
				20	3.27	-6.738	-0.0039	-2.5 to 2.5	Pass
					3.85	-3.405	-0.0020	-2.5 to 2.5	Pass
					4.43	-14.377	-0.0084	-2.5 to 2.5	Pass
				-30	3.85	-14.391	-0.0084	-2.5 to 2.5	Pass
				-20	3.85	-12.417	-0.0073	-2.5 to 2.5	Pass
				-10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
				0	3.85	-8.712	-0.0051	-2.5 to 2.5	Pass
				10	3.85	-34.032	-0.0199	-2.5 to 2.5	Pass
	1732.5	6	0	30	3.85	9.041	0.0053	-2.5 to 2.5	Pass
				40	3.85	11.401	0.0067	-2.5 to 2.5	Pass
				50	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				20	3.27	7.396	0.0043	-2.5 to 2.5	Pass
					3.85	-6.351	-0.0037	-2.5 to 2.5	Pass
					4.43	-0.029	0.0000	-2.5 to 2.5	Pass
				-30	3.85	4.692	0.0027	-2.5 to 2.5	Pass
				-20	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-8.869	-0.0051	-2.5 to 2.5	Pass
				0	3.85	4.606	0.0027	-2.5 to 2.5	Pass
	1754.3	6	0	10	3.85	-10.157	-0.0059	-2.5 to 2.5	Pass
				30	3.85	-9.427	-0.0054	-2.5 to 2.5	Pass
				40	3.85	-4.549	-0.0026	-2.5 to 2.5	Pass
				50	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				20	3.27	4.563	0.0026	-2.5 to 2.5	Pass
					3.85	7.424	0.0042	-2.5 to 2.5	Pass
					4.43	5.021	0.0029	-2.5 to 2.5	Pass
				-30	3.85	4.807	0.0027	-2.5 to 2.5	Pass
				-20	3.85	7.267	0.0041	-2.5 to 2.5	Pass
				-10	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				0	3.85	-17.381	-0.0099	-2.5 to 2.5	Pass
				10	3.85	5.364	0.0031	-2.5 to 2.5	Pass
				30	3.85	-12.732	-0.0073	-2.5 to 2.5	Pass
				40	3.85	-2.289	-0.0013	-2.5 to 2.5	Pass
				50	3.85	7.353	0.0042	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

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	1.545	0.0009	-2.5 to 2.5	Pass
					3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
					4.43	-6.208	-0.0036	-2.5 to 2.5	Pass
				-30	3.85	-7.153	-0.0042	-2.5 to 2.5	Pass



				-20	3.85	-14.706	-0.0086	-2.5 to 2.5	Pass
				-10	3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				0	3.85	4.907	0.0029	-2.5 to 2.5	Pass
				10	3.85	14.362	0.0084	-2.5 to 2.5	Pass
				30	3.85	10.571	0.0062	-2.5 to 2.5	Pass
				40	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				50	3.85	9.785	0.0057	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	-3.190	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.463	-0.0026	-2.5 to 2.5	Pass
					4.43	13.461	0.0078	-2.5 to 2.5	Pass
				-30	3.85	13.175	0.0076	-2.5 to 2.5	Pass
				-20	3.85	-13.447	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-0.443	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-15.335	-0.0089	-2.5 to 2.5	Pass
				30	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				40	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				50	3.85	13.118	0.0076	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	2.990	0.0017	-2.5 to 2.5	Pass
					3.85	-13.962	-0.0080	-2.5 to 2.5	Pass
					4.43	-5.379	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	1.559	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-9.155	-0.0052	-2.5 to 2.5	Pass
				-10	3.85	2.074	0.0012	-2.5 to 2.5	Pass
				0	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-10.457	-0.0060	-2.5 to 2.5	Pass
				40	3.85	-6.037	-0.0034	-2.5 to 2.5	Pass
				50	3.85	7.510	0.0043	-2.5 to 2.5	Pass
	16QAM	1711.5	15	20	3.27	-1.059	-0.0006	-2.5 to 2.5	Pass
					3.85	-10.071	-0.0059	-2.5 to 2.5	Pass
					4.43	-9.027	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	0.758	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-3.448	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				0	3.85	-11.787	-0.0069	-2.5 to 2.5	Pass
				10	3.85	-19.670	-0.0115	-2.5 to 2.5	Pass
				30	3.85	-6.394	-0.0037	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0032	-2.5 to 2.5	Pass
				50	3.85	2.632	0.0015	-2.5 to 2.5	Pass
		1732.5	15	20	3.27	-1.159	-0.0007	-2.5 to 2.5	Pass
					3.85	-19.941	-0.0115	-2.5 to 2.5	Pass
					4.43	-4.821	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-6.523	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	3.619	0.0021	-2.5 to 2.5	Pass
				-10	3.85	5.565	0.0032	-2.5 to 2.5	Pass
				0	3.85	-11.158	-0.0064	-2.5 to 2.5	Pass
				10	3.85	11.373	0.0066	-2.5 to 2.5	Pass
				30	3.85	-5.536	-0.0032	-2.5 to 2.5	Pass
				40	3.85	-1.431	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-6.022	-0.0035	-2.5 to 2.5	Pass
		1753.5	15	20	3.27	-8.383	-0.0048	-2.5 to 2.5	Pass
					3.85	1.988	0.0011	-2.5 to 2.5	Pass
					4.43	-11.272	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-9.341	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-4.864	-0.0028	-2.5 to 2.5	Pass
				0	3.85	6.309	0.0036	-2.5 to 2.5	Pass
				10	3.85	1.101	0.0006	-2.5 to 2.5	Pass



				30	3.85	-7.811	-0.0045	-2.5 to 2.5	Pass
				40	3.85	-1.330	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

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	-9.928	-0.0058	-2.5 to 2.5	Pass
					3.85	5.922	0.0035	-2.5 to 2.5	Pass
					4.43	-4.549	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-4.349	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-5.307	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-10.185	-0.0059	-2.5 to 2.5	Pass
				0	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				10	3.85	6.866	0.0040	-2.5 to 2.5	Pass
				30	3.85	-11.430	-0.0067	-2.5 to 2.5	Pass
				40	3.85	15.049	0.0088	-2.5 to 2.5	Pass
	1732.5	25	0	50	3.85	11.644	0.0068	-2.5 to 2.5	Pass
				20	3.27	2.089	0.0012	-2.5 to 2.5	Pass
					3.85	15.535	0.0090	-2.5 to 2.5	Pass
					4.43	4.163	0.0024	-2.5 to 2.5	Pass
				-30	3.85	9.241	0.0053	-2.5 to 2.5	Pass
				-20	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	6.137	0.0035	-2.5 to 2.5	Pass
				0	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				10	3.85	3.877	0.0022	-2.5 to 2.5	Pass
				30	3.85	2.189	0.0013	-2.5 to 2.5	Pass
	1752.5	25	0	40	3.85	4.377	0.0025	-2.5 to 2.5	Pass
				50	3.85	7.567	0.0044	-2.5 to 2.5	Pass
				20	3.27	-10.428	-0.0060	-2.5 to 2.5	Pass
					3.85	-8.926	-0.0051	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.478	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-3.033	-0.0017	-2.5 to 2.5	Pass
				-10	3.85	-3.805	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-3.347	-0.0019	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	30	3.85	-9.613	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-8.726	-0.0050	-2.5 to 2.5	Pass
				50	3.85	3.748	0.0021	-2.5 to 2.5	Pass
				20	3.27	-6.995	-0.0041	-2.5 to 2.5	Pass
					3.85	-4.292	-0.0025	-2.5 to 2.5	Pass
					4.43	-2.604	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	4.735	0.0028	-2.5 to 2.5	Pass
				-20	3.85	-5.565	-0.0032	-2.5 to 2.5	Pass
				-10	3.85	7.453	0.0044	-2.5 to 2.5	Pass
				0	3.85	10.357	0.0060	-2.5 to 2.5	Pass
	1732.5	25	0	10	3.85	-9.813	-0.0057	-2.5 to 2.5	Pass
				30	3.85	-4.363	-0.0025	-2.5 to 2.5	Pass
				40	3.85	14.277	0.0083	-2.5 to 2.5	Pass
				50	3.85	7.052	0.0041	-2.5 to 2.5	Pass
				20	3.27	6.409	0.0037	-2.5 to 2.5	Pass
					3.85	8.254	0.0048	-2.5 to 2.5	Pass



					4.43	-1.845	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.830	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.259	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.359	0.0008	-2.5 to 2.5	Pass
				10	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				30	3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
				40	3.85	-0.114	-0.0001	-2.5 to 2.5	Pass
				50	3.85	3.819	0.0022	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-4.292	-0.0024	-2.5 to 2.5	Pass
					3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
					4.43	-0.086	0.0000	-2.5 to 2.5	Pass
				-30	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-4.892	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-5.636	-0.0032	-2.5 to 2.5	Pass
				0	3.85	-2.875	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-3.934	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				40	3.85	0.715	0.0004	-2.5 to 2.5	Pass
				50	3.85	-0.973	-0.0006	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.27	-1.888	-0.0011	-2.5 to 2.5	Pass
					3.85	-5.951	-0.0035	-2.5 to 2.5	Pass
					4.43	0.501	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-4.063	-0.0024	-2.5 to 2.5	Pass
				-10	3.85	3.762	0.0022	-2.5 to 2.5	Pass
				0	3.85	1.745	0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.988	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-1.059	-0.0006	-2.5 to 2.5	Pass
				40	3.85	2.203	0.0013	-2.5 to 2.5	Pass
				50	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-4.077	-0.0024	-2.5 to 2.5	Pass
					3.85	-2.031	-0.0012	-2.5 to 2.5	Pass
					4.43	-1.388	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.917	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				0	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-1.559	-0.0009	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	2.418	0.0014	-2.5 to 2.5	Pass
					3.85	2.275	0.0013	-2.5 to 2.5	Pass
					4.43	1.431	0.0008	-2.5 to 2.5	Pass
				-30	3.85	5.393	0.0031	-2.5 to 2.5	Pass
				-20	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.775	0.0016	-2.5 to 2.5	Pass
				0	3.85	1.016	0.0006	-2.5 to 2.5	Pass



				10	3.85	2.561	0.0015	-2.5 to 2.5	Pass
				30	3.85	5.322	0.0030	-2.5 to 2.5	Pass
				40	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				50	3.85	10.815	0.0062	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	3.476	0.0020	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					4.43	-2.489	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-7.224	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-1.688	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				0	3.85	0.114	0.0001	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0009	-2.5 to 2.5	Pass
				30	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				40	3.85	-7.339	-0.0043	-2.5 to 2.5	Pass
				50	3.85	-0.772	-0.0005	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	-0.801	-0.0005	-2.5 to 2.5	Pass
					3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
					4.43	-4.721	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-0.372	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				30	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				40	3.85	-7.167	-0.0041	-2.5 to 2.5	Pass
				50	3.85	5.164	0.0030	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	4.907	0.0028	-2.5 to 2.5	Pass
					3.85	5.307	0.0030	-2.5 to 2.5	Pass
					4.43	0.901	0.0005	-2.5 to 2.5	Pass
				-30	3.85	6.094	0.0035	-2.5 to 2.5	Pass
				-20	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				0	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
				10	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				30	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				40	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				50	3.85	0.615	0.0004	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

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	-4.320	-0.0025	-2.5 to 2.5	Pass
					3.85	1.116	0.0006	-2.5 to 2.5	Pass
					4.43	-3.061	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				0	3.85	-1.445	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-6.151	-0.0036	-2.5 to 2.5	Pass
				30	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-3.262	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-0.958	-0.0006	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-1.087	-0.0006	-2.5 to 2.5	Pass



					3.85	-3.376	-0.0019	-2.5 to 2.5	Pass
					4.43	-4.392	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-6.280	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-0.701	-0.0004	-2.5 to 2.5	Pass
				10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				30	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	-3.076	-0.0018	-2.5 to 2.5	Pass
					3.85	1.173	0.0007	-2.5 to 2.5	Pass
				4.43	2.418	0.0014	-2.5 to 2.5	Pass	
				-30	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				-10	3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-2.718	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
	50	3.85	1.259	0.0007	-2.5 to 2.5	Pass			
16QAM	1717.5	75	0	20	3.27	-1.602	-0.0009	-2.5 to 2.5	Pass
					3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.745	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.675	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-1.988	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-7.510	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				40	3.85	-3.533	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-5.693	-0.0033	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	-0.300	-0.0002	-2.5 to 2.5	Pass
					3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
					4.43	0.272	0.0002	-2.5 to 2.5	Pass
				-30	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	-0.687	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-4.106	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.658	-0.0004	-2.5 to 2.5	Pass
				40	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				50	3.85	-6.752	-0.0039	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	0.687	0.0004	-2.5 to 2.5	Pass
					3.85	3.061	0.0018	-2.5 to 2.5	Pass
					4.43	-3.519	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-6.881	-0.0039	-2.5 to 2.5	Pass
				-20	3.85	5.736	0.0033	-2.5 to 2.5	Pass
				-10	3.85	3.076	0.0018	-2.5 to 2.5	Pass
				0	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				10	3.85	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				40	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				50	3.85	1.731	0.0010	-2.5 to 2.5	Pass

2.6 B4_20MHz



2.6.1 Test Result

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	3.219	0.0019	-2.5 to 2.5	Pass
					3.85	-3.219	-0.0019	-2.5 to 2.5	Pass
					4.43	0.515	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-20	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.443	0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.745	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass
				30	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				40	3.85	-4.649	-0.0027	-2.5 to 2.5	Pass
				50	3.85	1.330	0.0008	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-1.130	-0.0007	-2.5 to 2.5	Pass
					3.85	-3.490	-0.0020	-2.5 to 2.5	Pass
					4.43	1.016	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-5.364	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	-3.862	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
				30	3.85	-0.043	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.815	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.787	0.0005	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	1.173	0.0007	-2.5 to 2.5	Pass
					3.85	-2.475	-0.0014	-2.5 to 2.5	Pass
					4.43	-4.363	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-2.146	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-0.515	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-3.304	-0.0019	-2.5 to 2.5	Pass
				0	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass
				10	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.287	0.0007	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0023	-2.5 to 2.5	Pass
				50	3.85	-0.887	-0.0005	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-2.260	-0.0013	-2.5 to 2.5	Pass
					3.85	0.901	0.0005	-2.5 to 2.5	Pass
					4.43	-1.788	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-4.778	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-2.604	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				0	3.85	7.625	0.0044	-2.5 to 2.5	Pass
				10	3.85	4.206	0.0024	-2.5 to 2.5	Pass
				30	3.85	2.818	0.0016	-2.5 to 2.5	Pass
				40	3.85	1.116	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.930	0.0005	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	-4.663	-0.0027	-2.5 to 2.5	Pass
					3.85	0.415	0.0002	-2.5 to 2.5	Pass
					4.43	-4.492	-0.0026	-2.5 to 2.5	Pass
				-30	3.85	-1.588	-0.0009	-2.5 to 2.5	Pass
				-20	3.85	-5.193	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				0	3.85	-4.749	-0.0027	-2.5 to 2.5	Pass
				10	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-3.390	-0.0020	-2.5 to 2.5	Pass
				40	3.85	0.329	0.0002	-2.5 to 2.5	Pass



				50	3.85	-2.561	-0.0015	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-2.203	-0.0013	-2.5 to 2.5	Pass
					3.85	1.402	0.0008	-2.5 to 2.5	Pass
					4.43	-2.832	-0.0016	-2.5 to 2.5	Pass
					-30	3.85	1.631	0.0009	-2.5 to 2.5
				-20	3.85	4.735	0.0027	-2.5 to 2.5	Pass
				-10	3.85	-4.663	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass
				10	3.85	2.317	0.0013	-2.5 to 2.5	Pass
				30	3.85	0.014	0.0000	-2.5 to 2.5	Pass
				40	3.85	-2.918	-0.0017	-2.5 to 2.5	Pass
				50	3.85	2.532	0.0015	-2.5 to 2.5	Pass

3. Modulation Characteristics

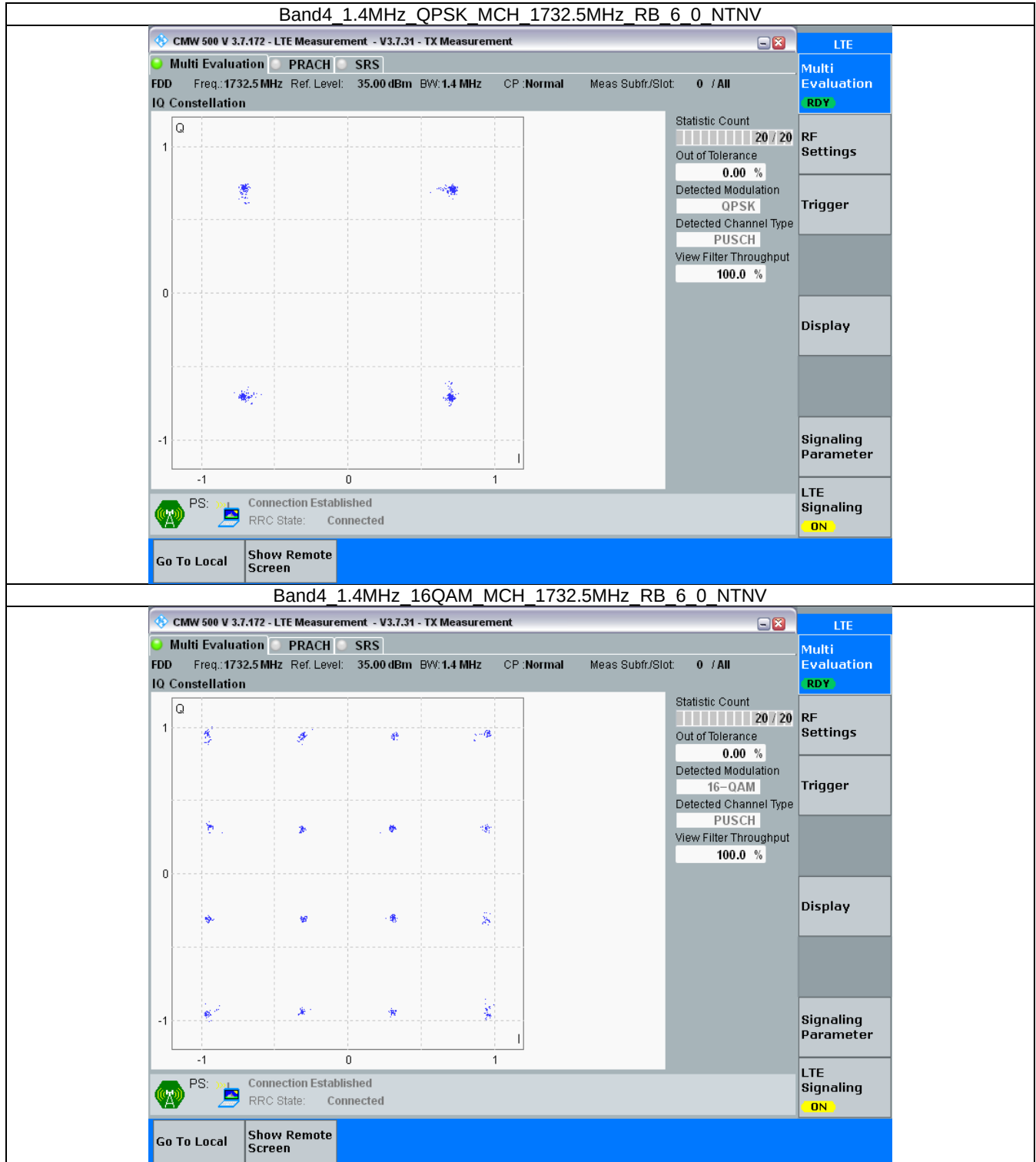
3.1 B4_1.4MHz

3.1.1 Test Result

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



3.1.2 Test Graph





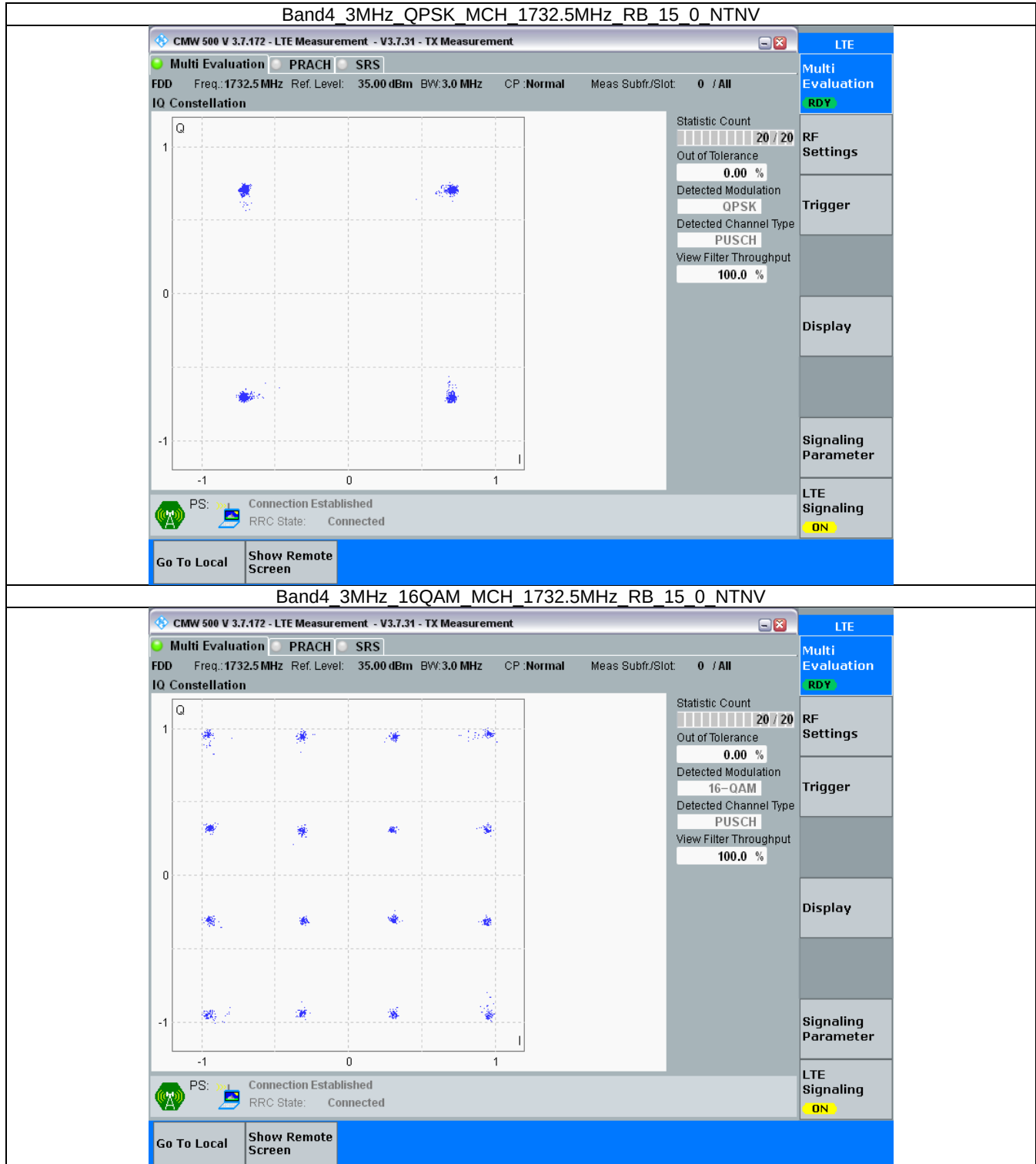
3.2 B4_3MHz

3.2.1 Test Result

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



3.2.2 Test Graph





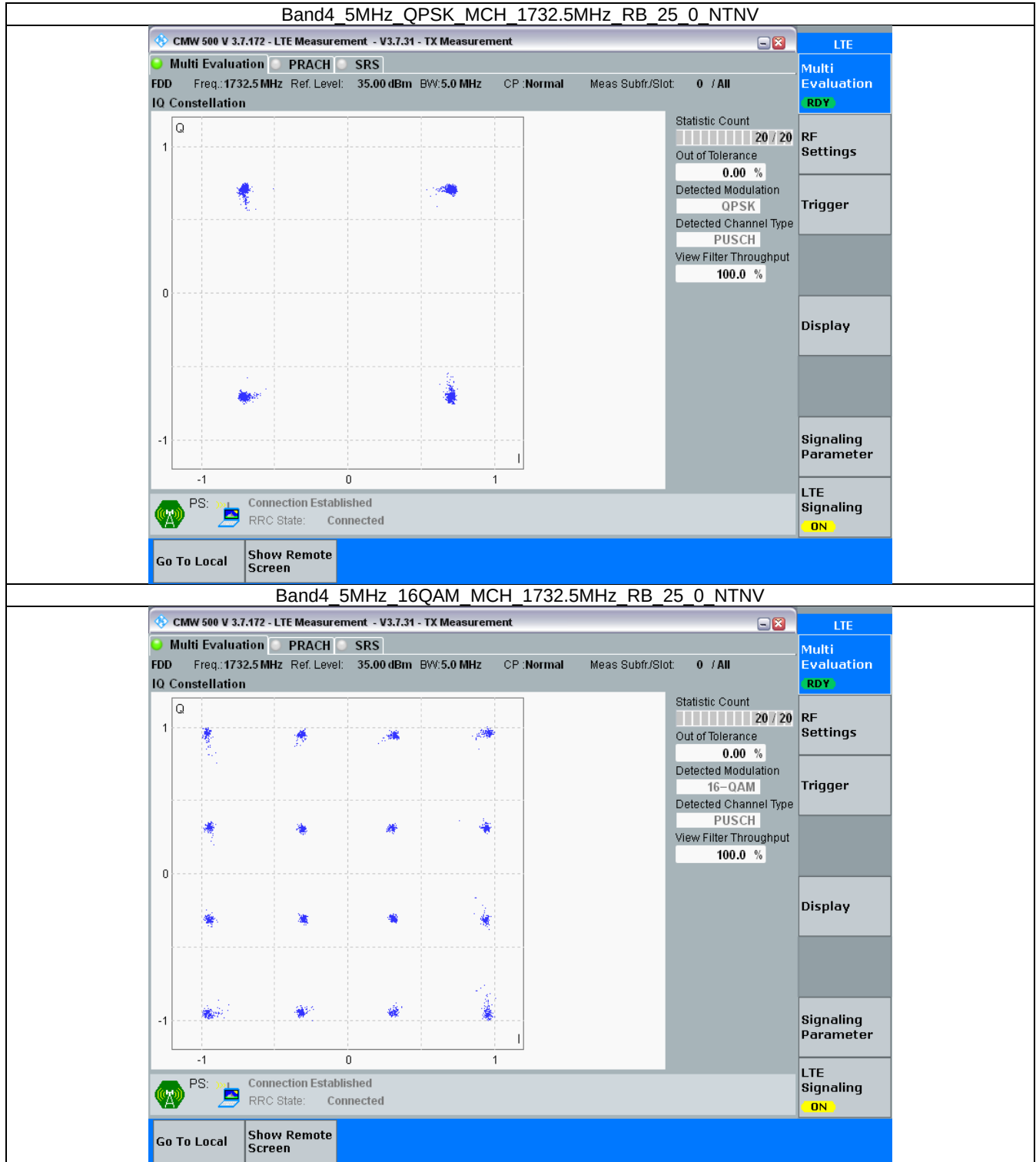
3.3 B4_5MHz

3.3.1 Test Result

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



3.3.2 Test Graph





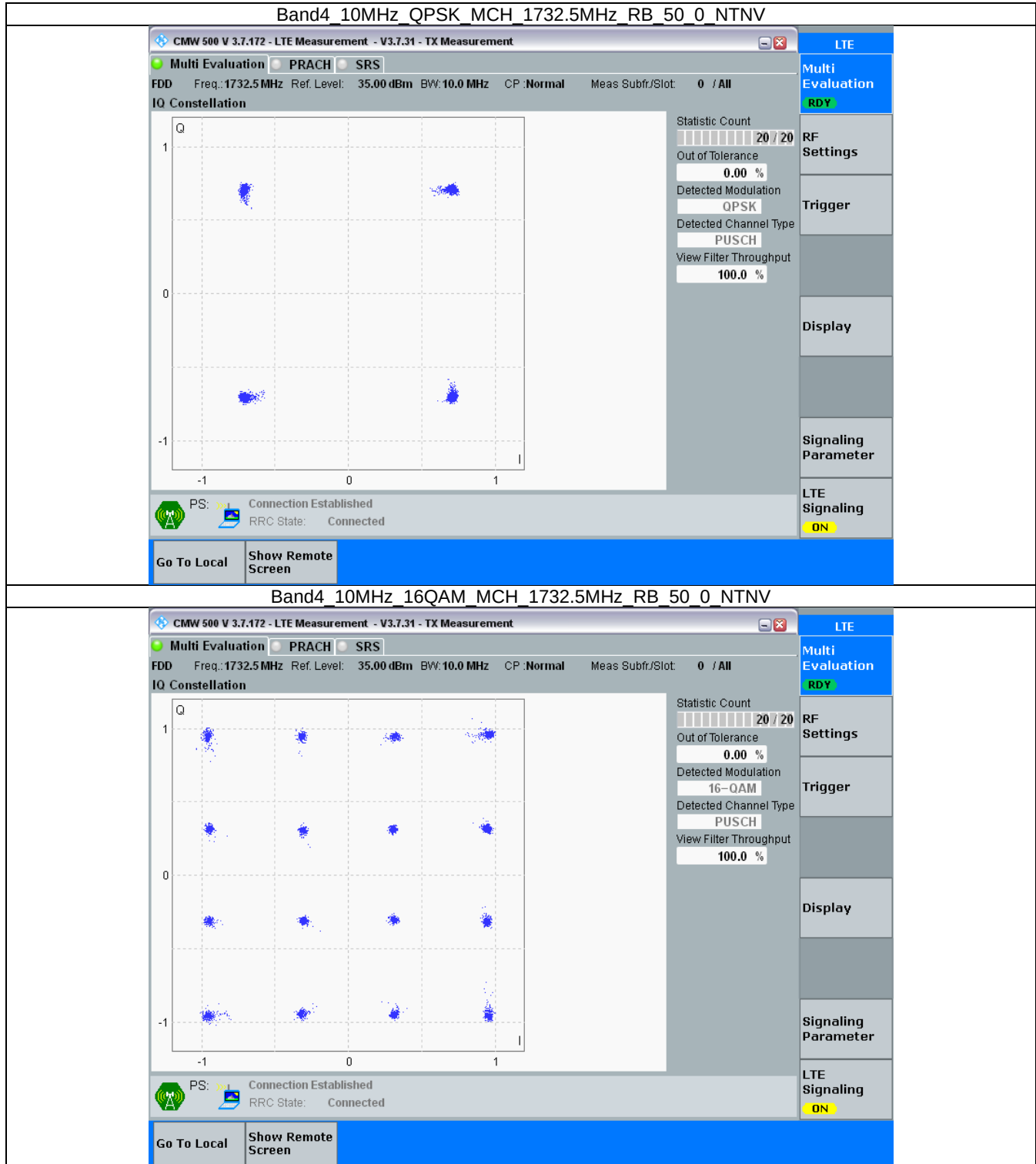
3.4 B4_10MHz

3.4.1 Test Result

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



3.4.2 Test Graph





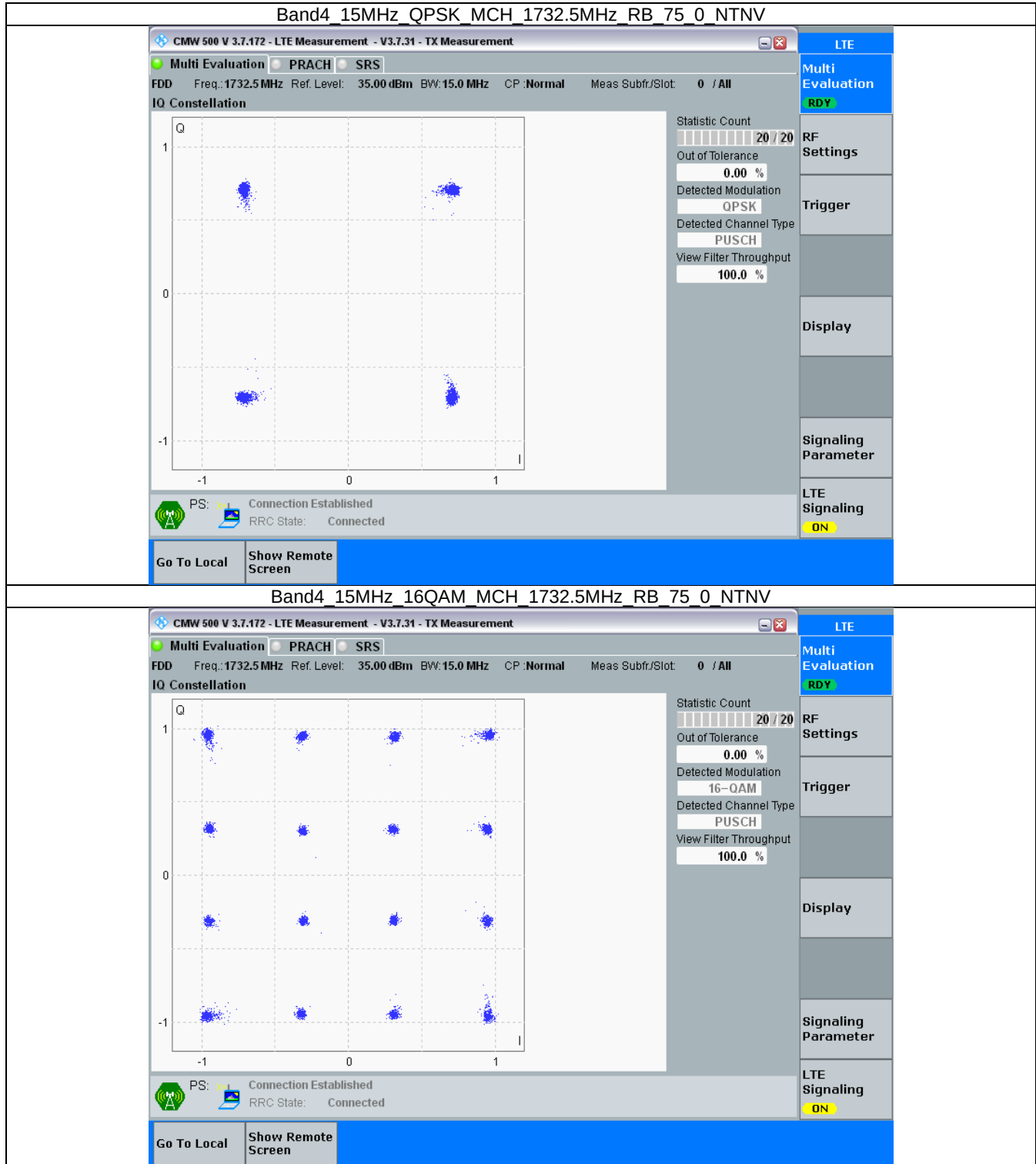
3.5 B4_15MHz

3.5.1 Test Result

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



3.5.2 Test Graph





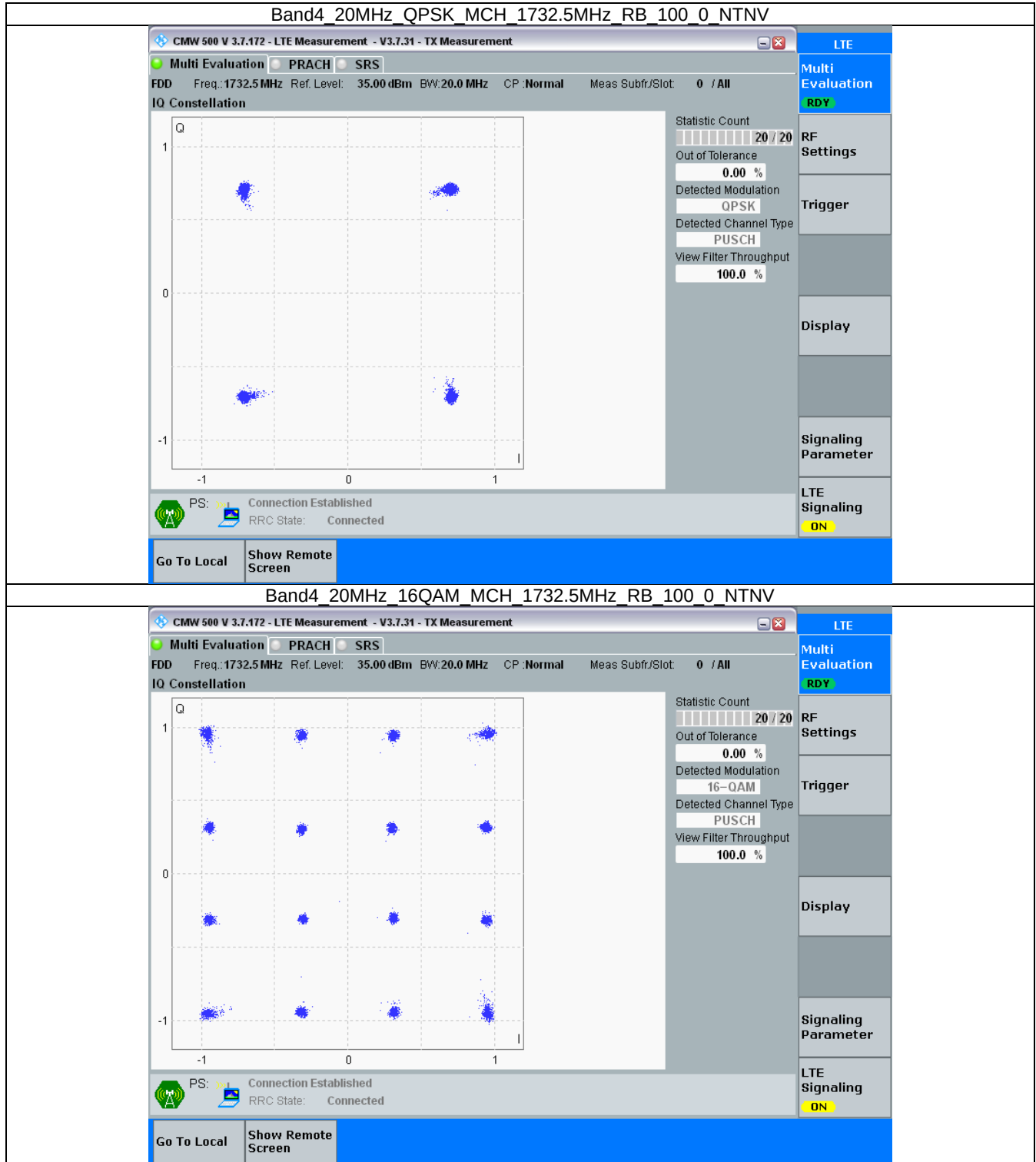
3.6 B4_20MHz

3.6.1 Test Result

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



3.6.2 Test Graph





4. 99% & 26dB Bandwidth

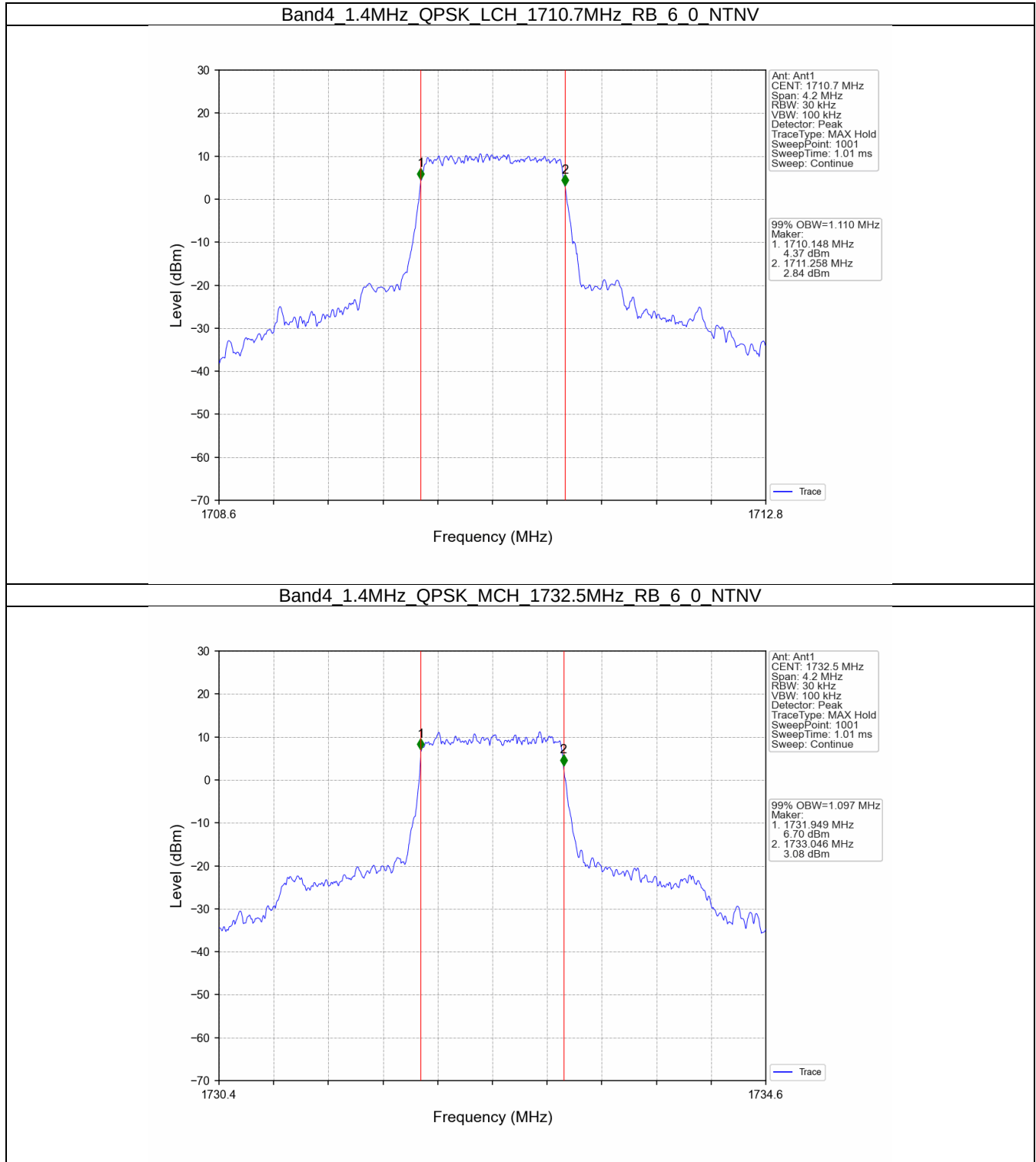
4.1 Band4_OBW

4.1.1 Test Result

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	1.110	/	Pass
		1732.5	6	0	1.097	/	Pass
		1754.3	6	0	1.107	/	Pass
	16QAM	1710.7	6	0	1.101	/	Pass
		1732.5	6	0	1.105	/	Pass
		1754.3	6	0	1.099	/	Pass
3	QPSK	1711.5	15	0	2.731	/	Pass
		1732.5	15	0	2.741	/	Pass
		1753.5	15	0	2.734	/	Pass
	16QAM	1711.5	15	0	2.727	/	Pass
		1732.5	15	0	2.731	/	Pass
		1753.5	15	0	2.725	/	Pass
5	QPSK	1712.5	25	0	4.512	/	Pass
		1732.5	25	0	4.514	/	Pass
		1752.5	25	0	4.515	/	Pass
	16QAM	1712.5	25	0	4.523	/	Pass
		1732.5	25	0	4.513	/	Pass
		1752.5	25	0	4.503	/	Pass
10	QPSK	1715	50	0	9.022	/	Pass
		1732.5	50	0	9.000	/	Pass
		1750	50	0	9.003	/	Pass
	16QAM	1715	50	0	8.981	/	Pass
		1732.5	50	0	9.027	/	Pass
		1750	50	0	8.970	/	Pass
15	QPSK	1717.5	75	0	13.452	/	Pass
		1732.5	75	0	13.530	/	Pass
		1747.5	75	0	13.527	/	Pass
	16QAM	1717.5	75	0	13.481	/	Pass
		1732.5	75	0	13.523	/	Pass
		1747.5	75	0	13.512	/	Pass
20	QPSK	1720	100	0	17.964	/	Pass
		1732.5	100	0	18.064	/	Pass
		1745	100	0	18.064	/	Pass
	16QAM	1720	100	0	17.983	/	Pass
		1732.5	100	0	18.045	/	Pass
		1745	100	0	18.085	/	Pass

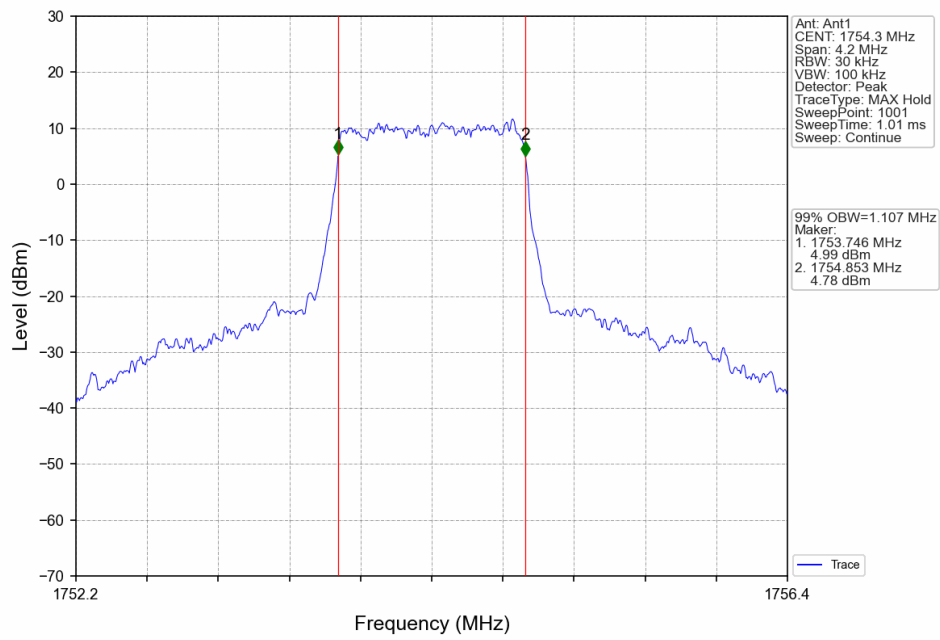


4.1.2 Test Graph

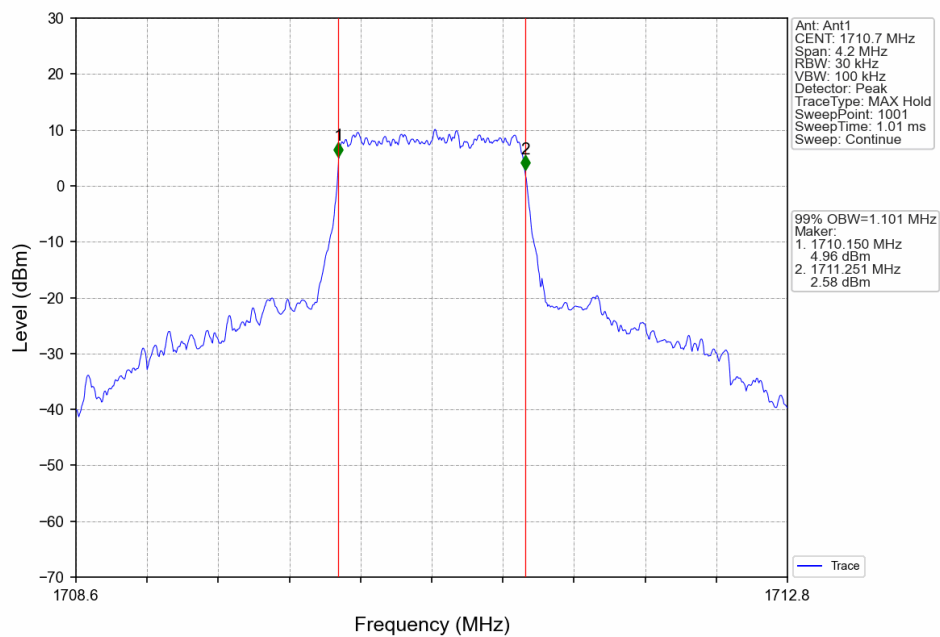




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

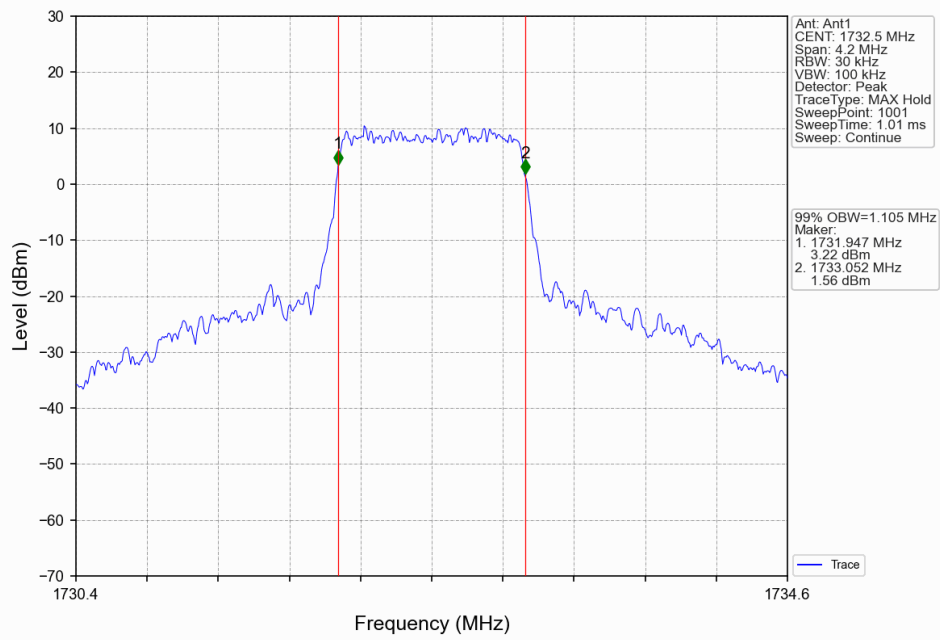


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

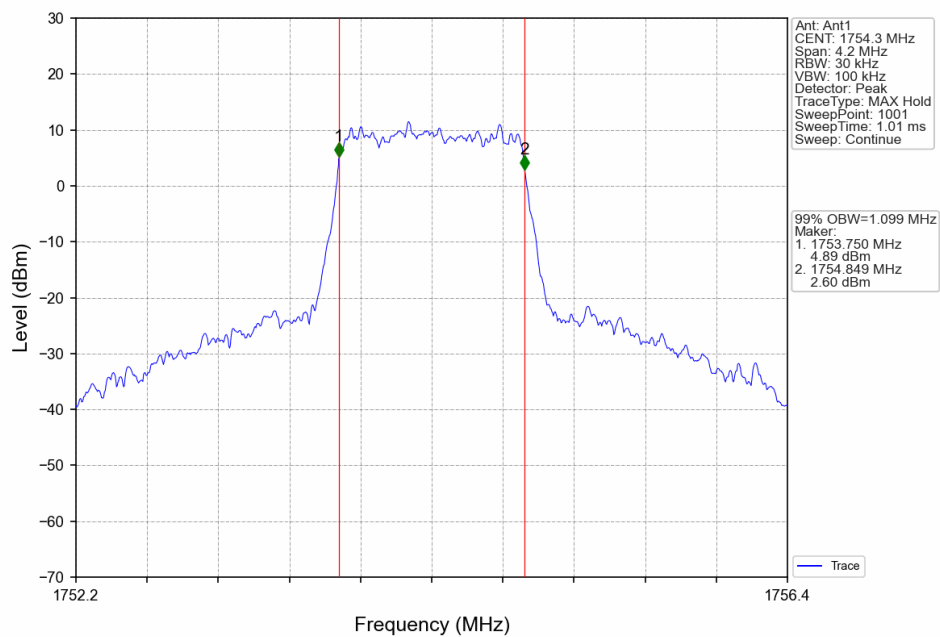




Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

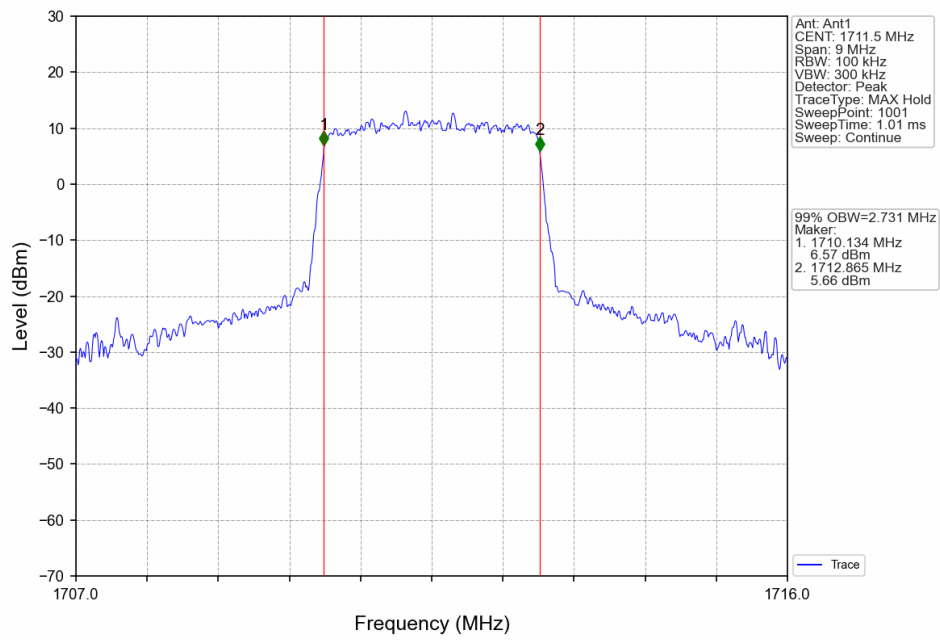


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

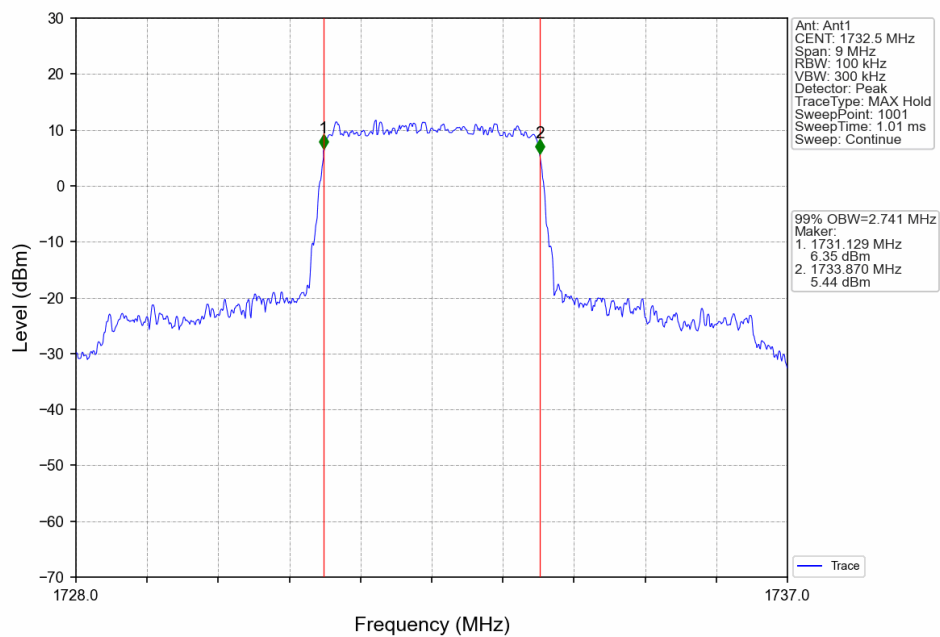




Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

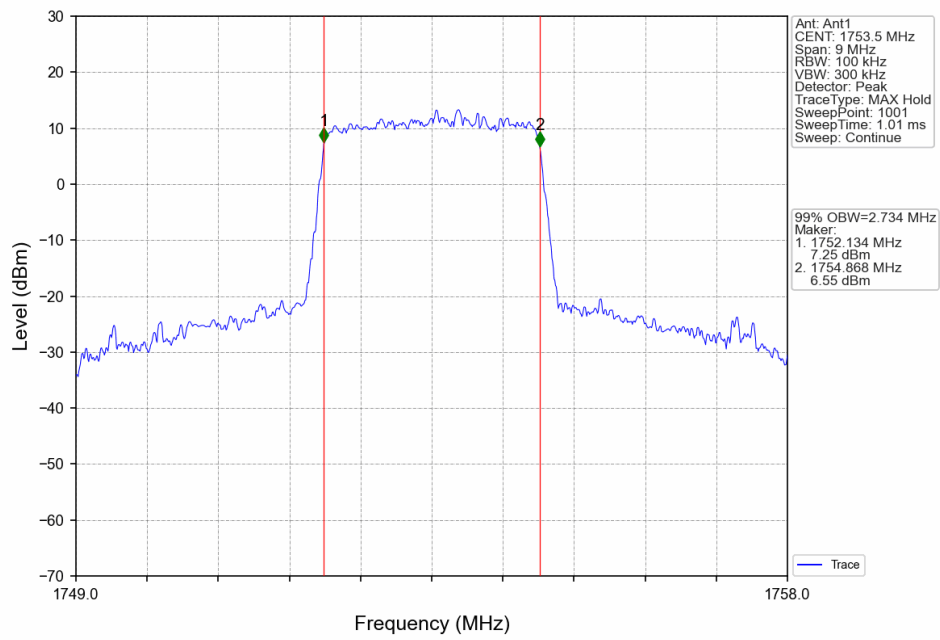


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

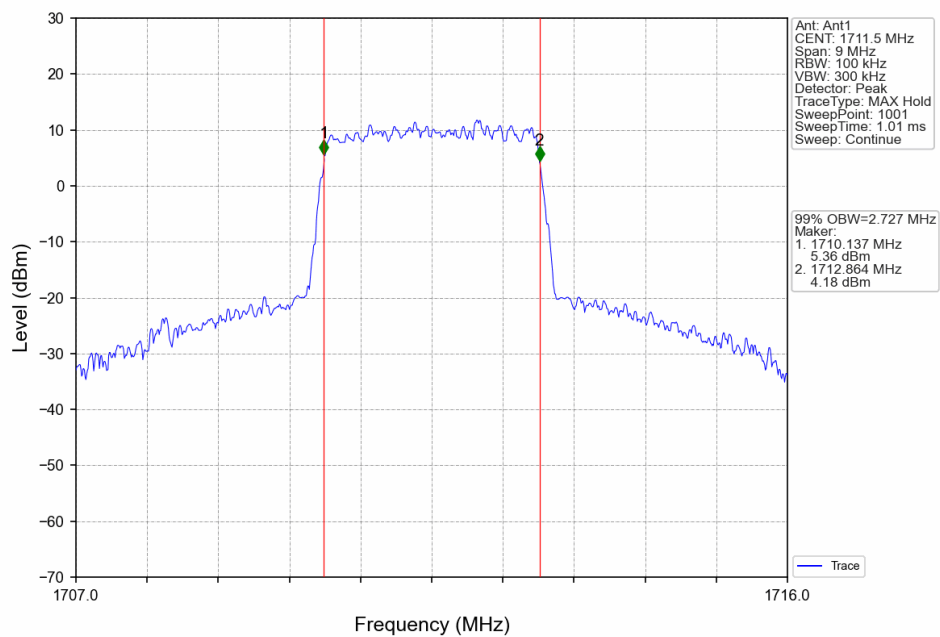




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

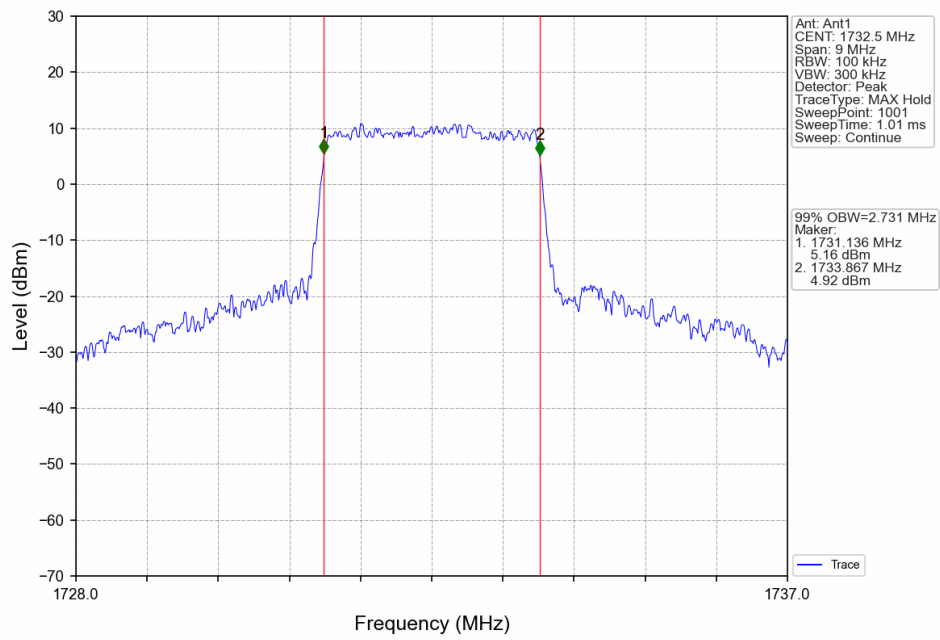


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

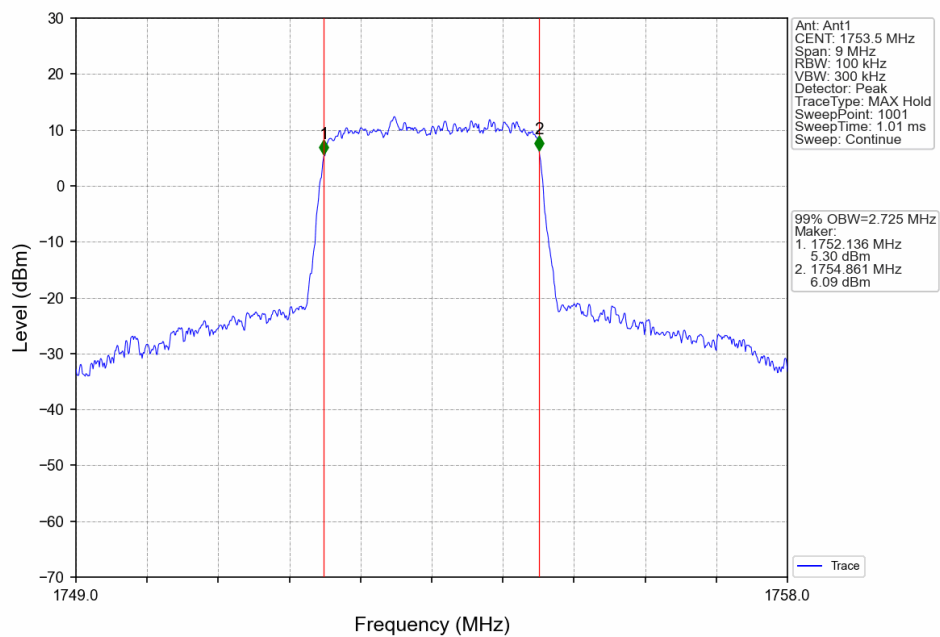




Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

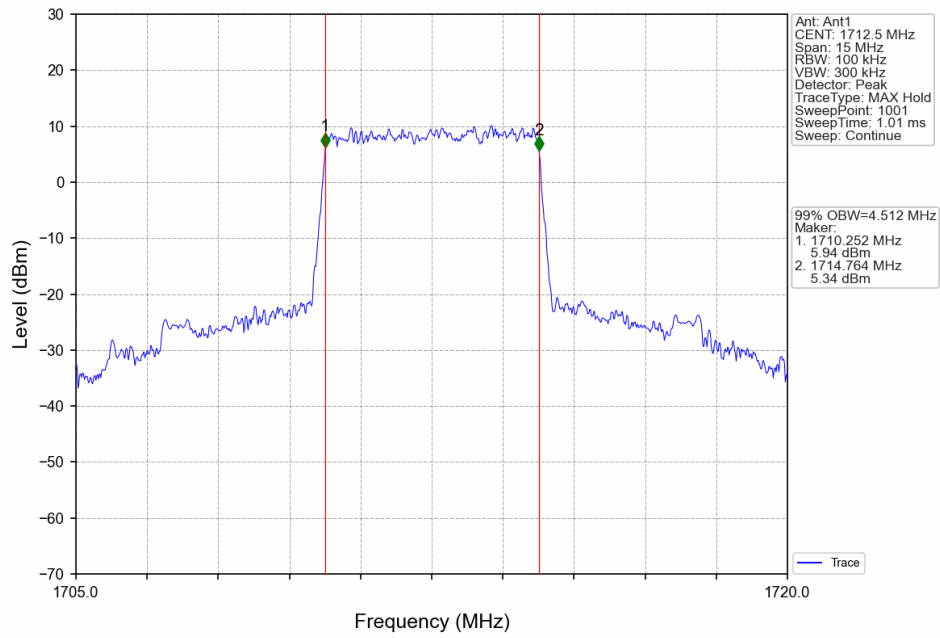


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

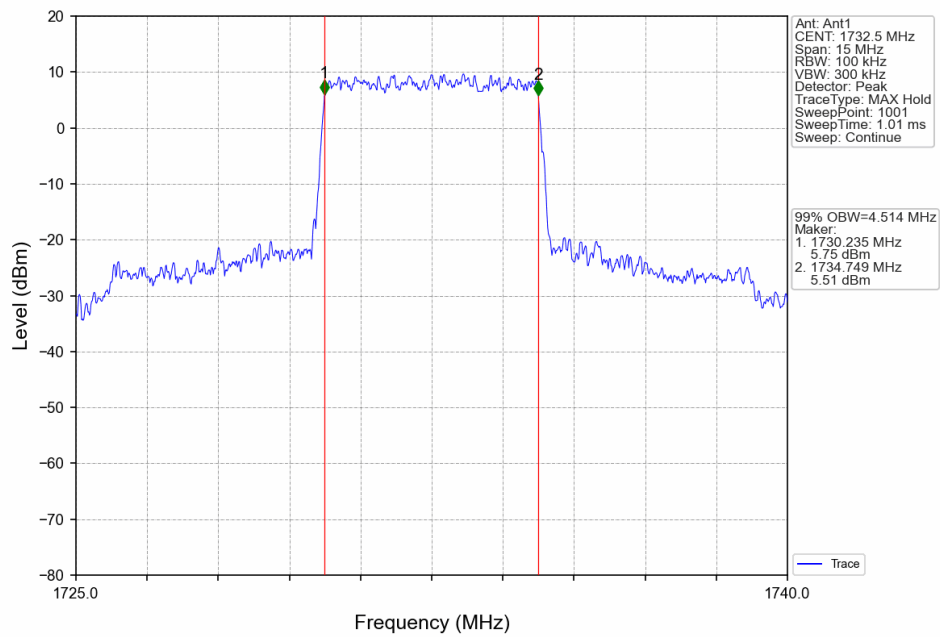




Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

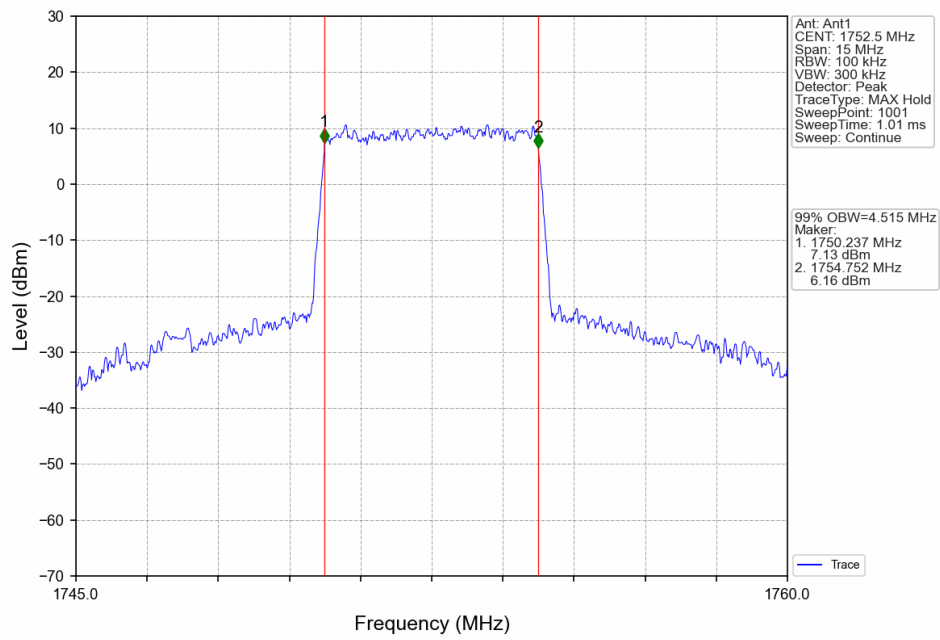


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

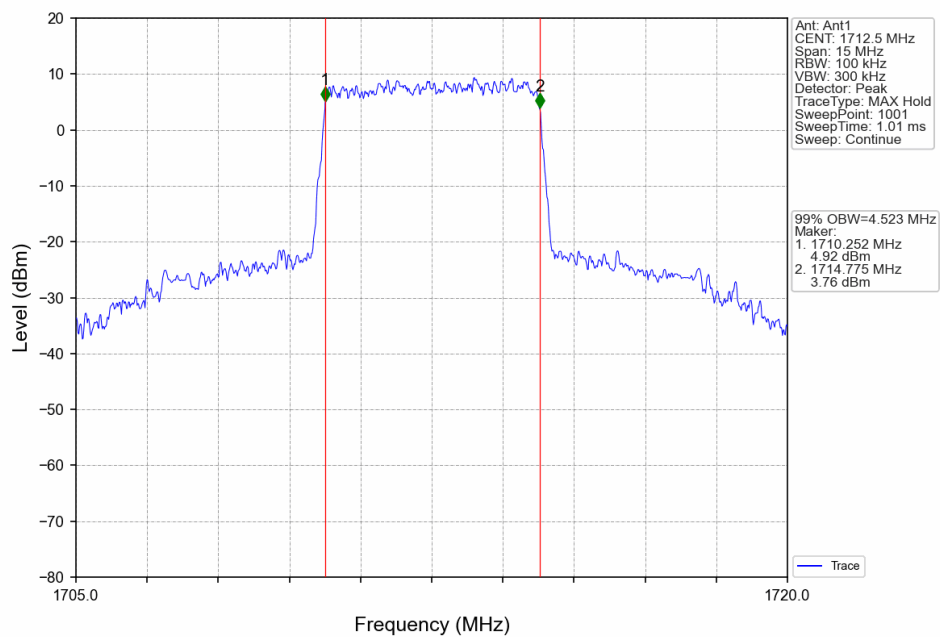




Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

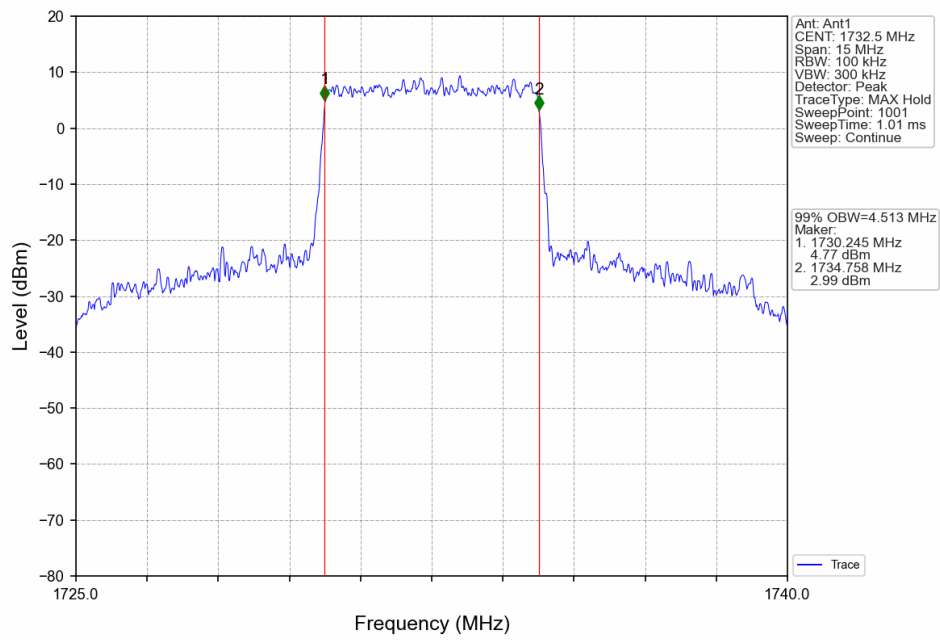


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

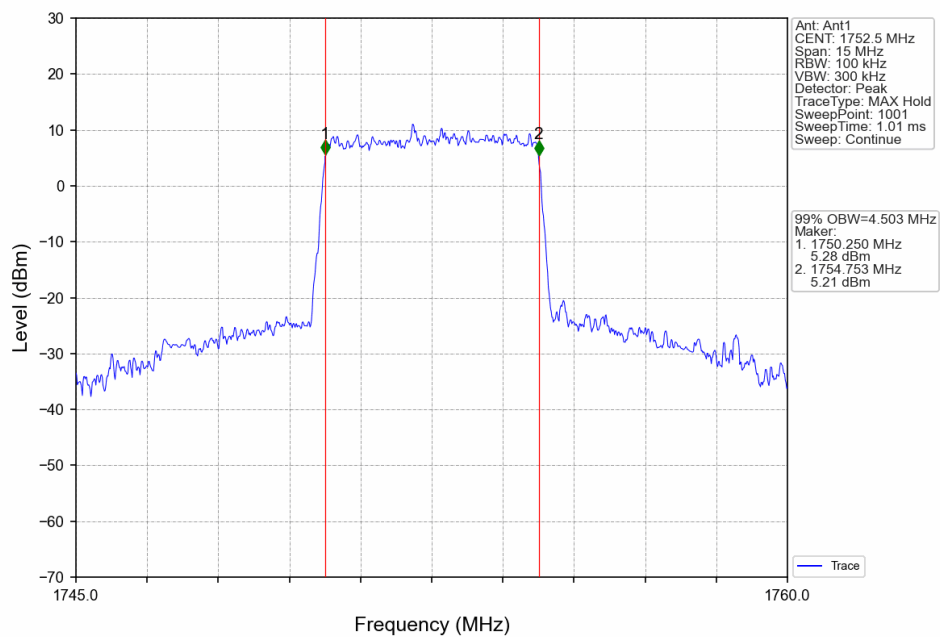




Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

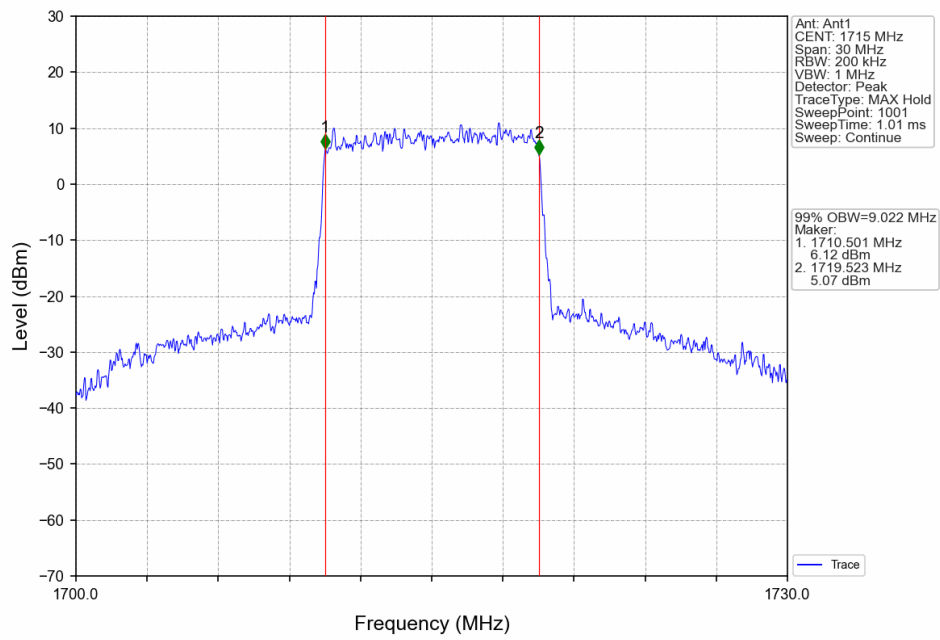


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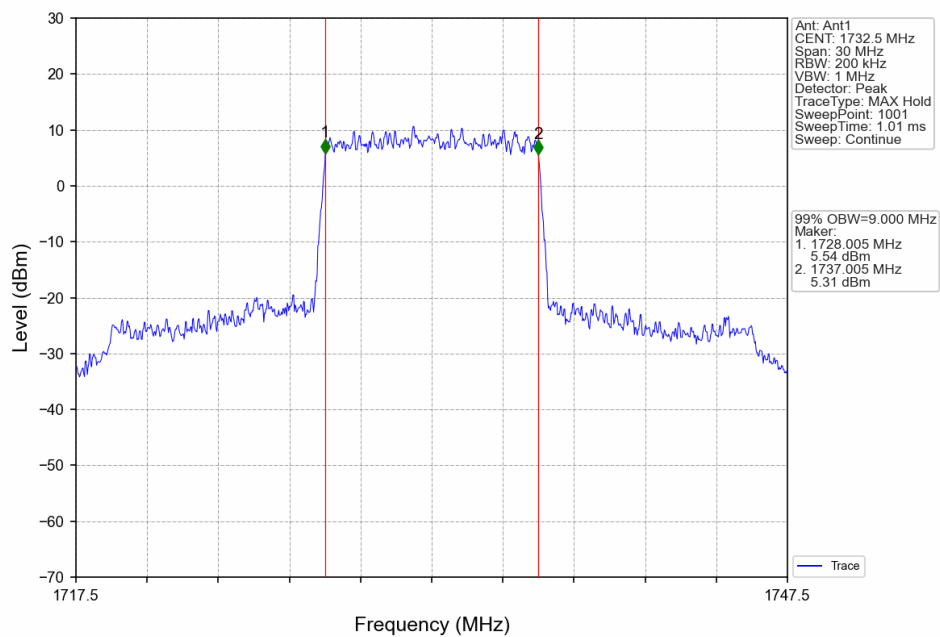




Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV

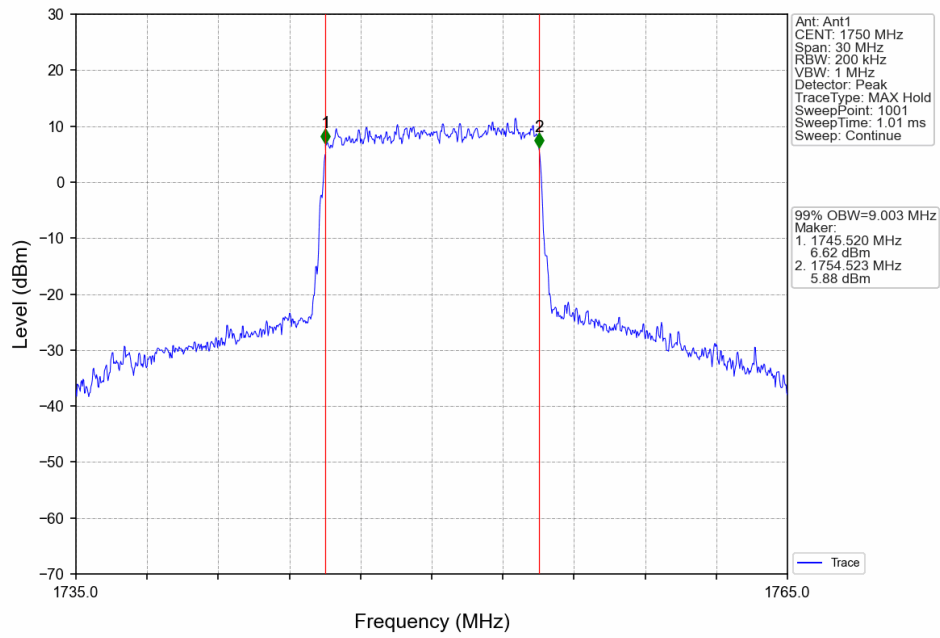


Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

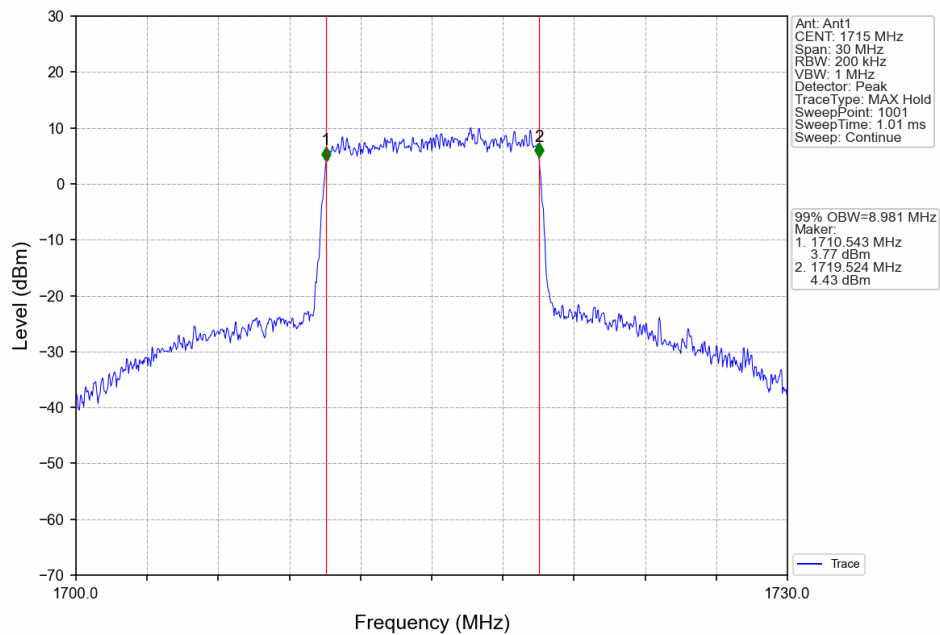




Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

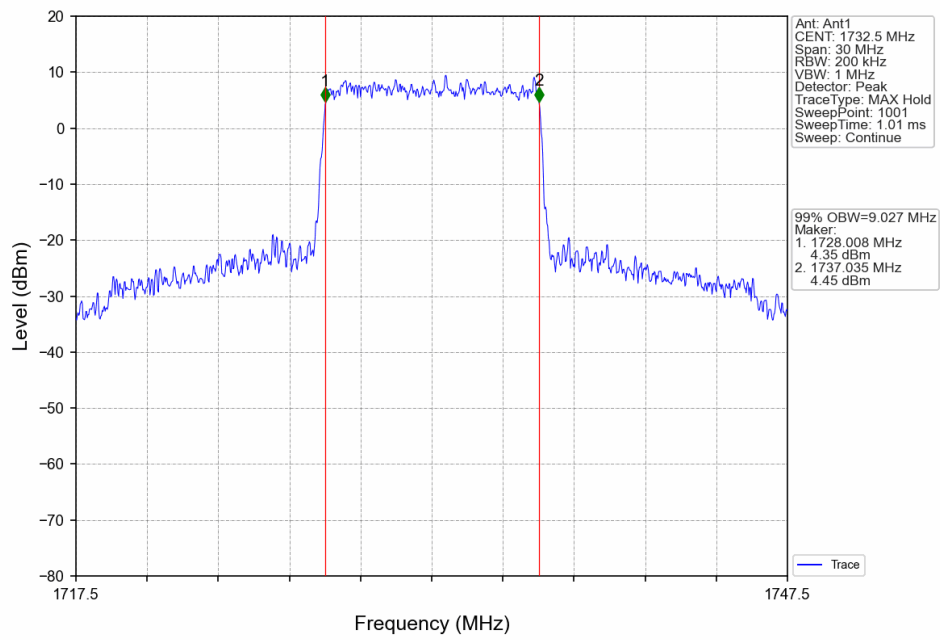


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

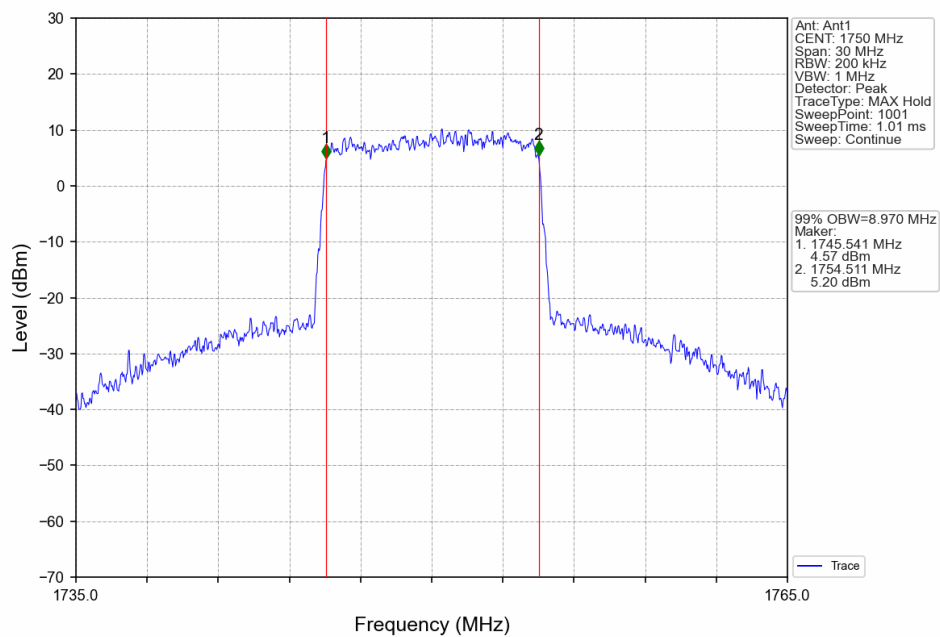




Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

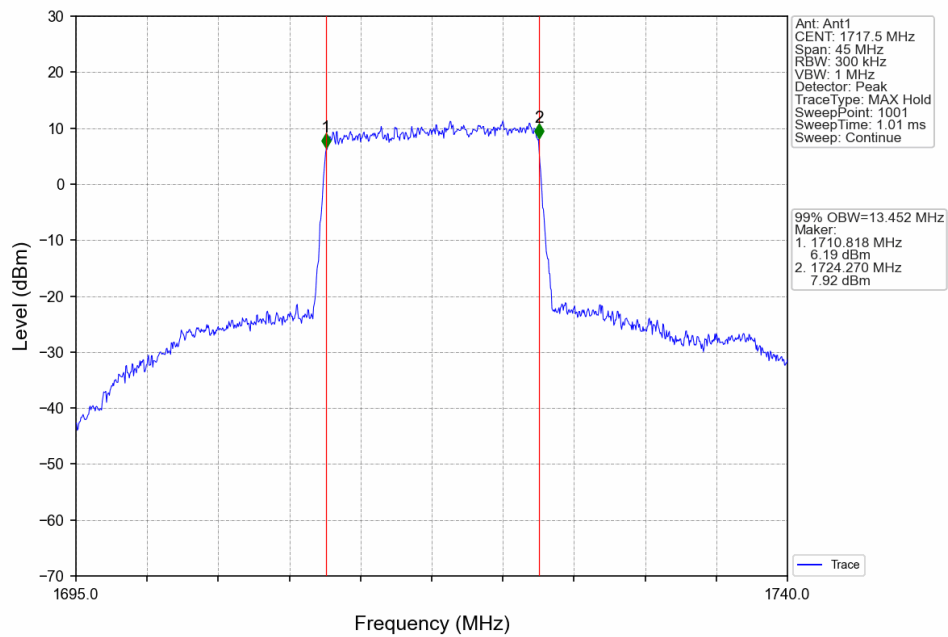


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

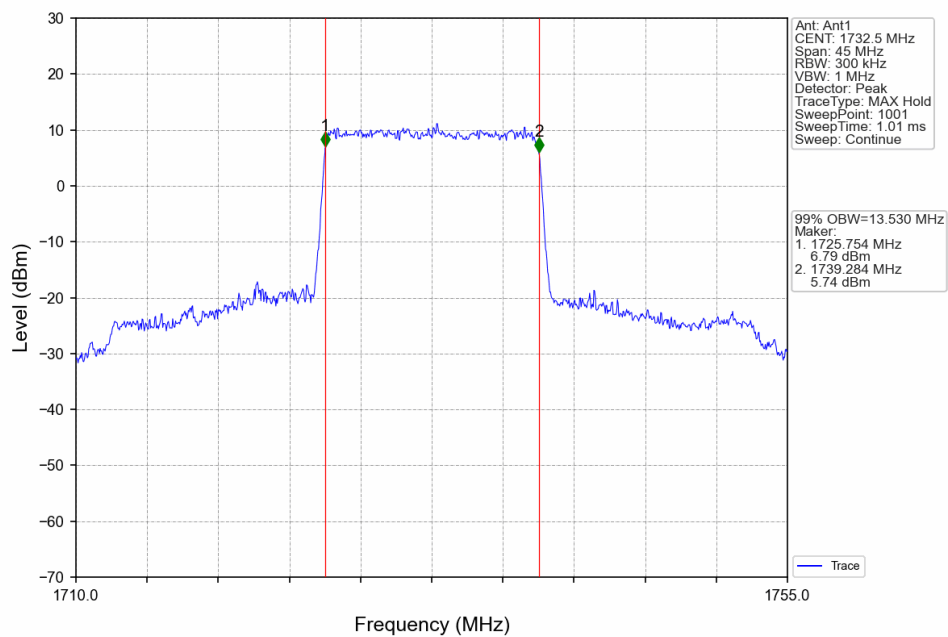




Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV

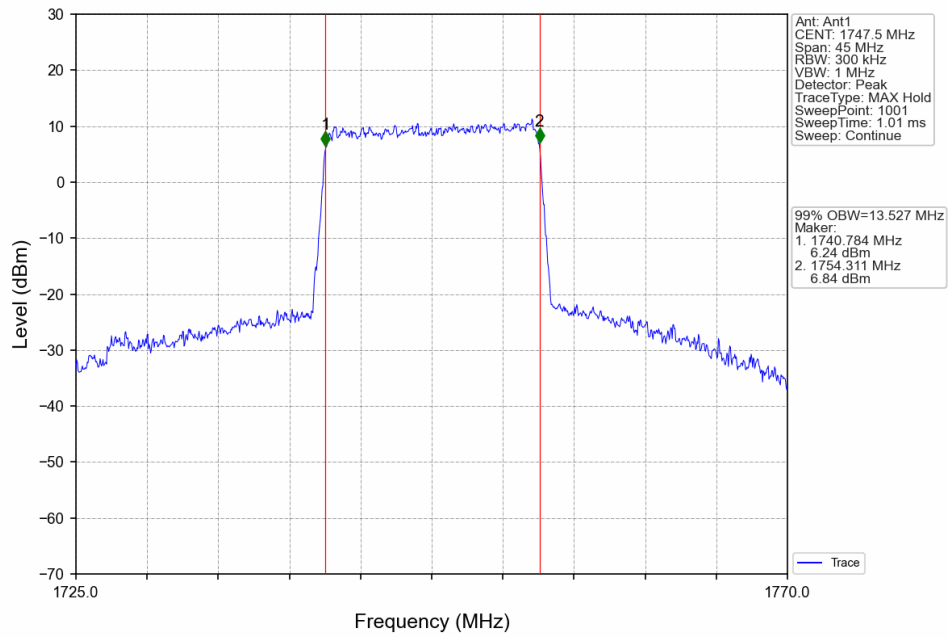


Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV

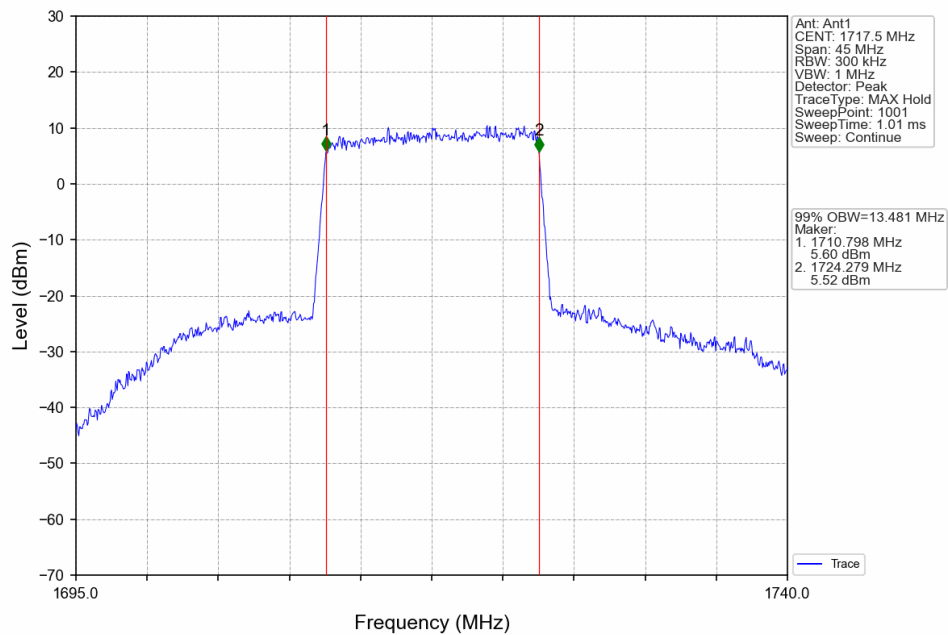




Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV

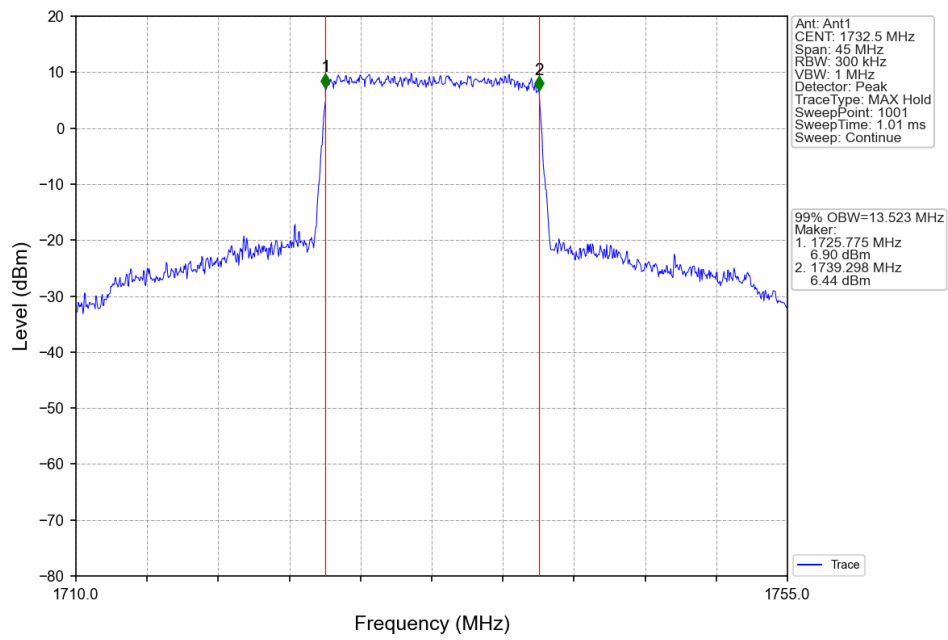


Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV

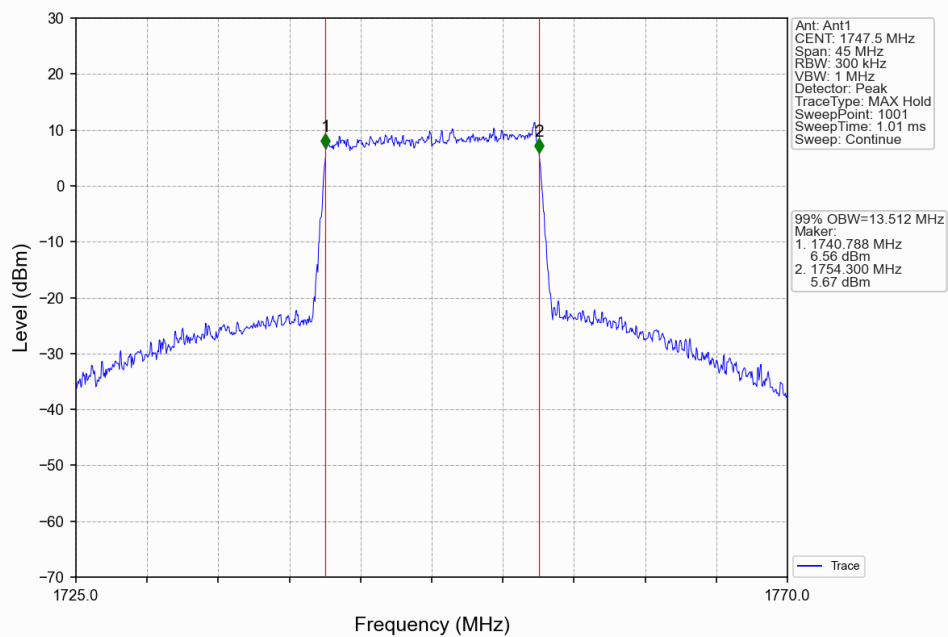




Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV

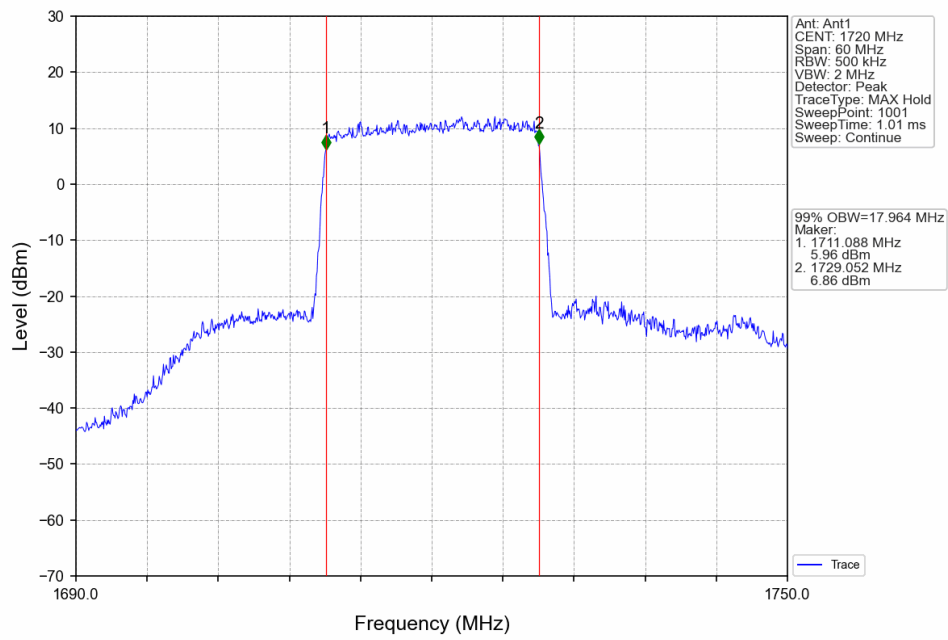


Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV

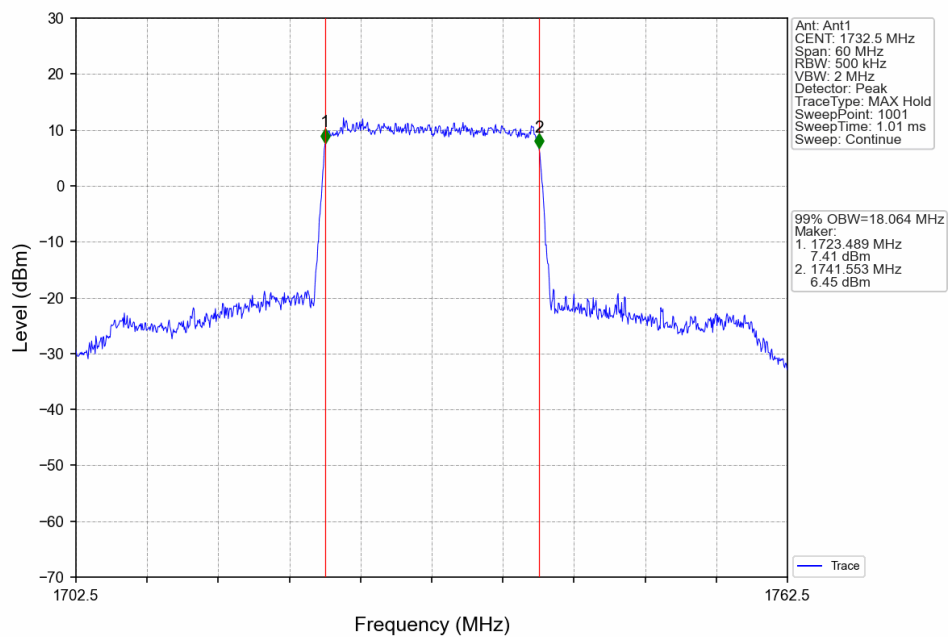




Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV

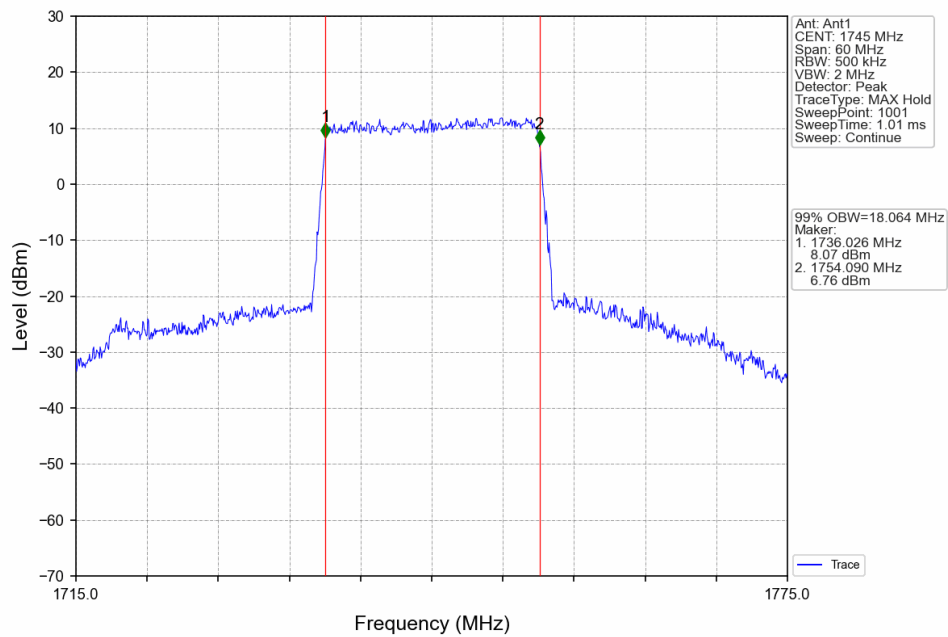


Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV

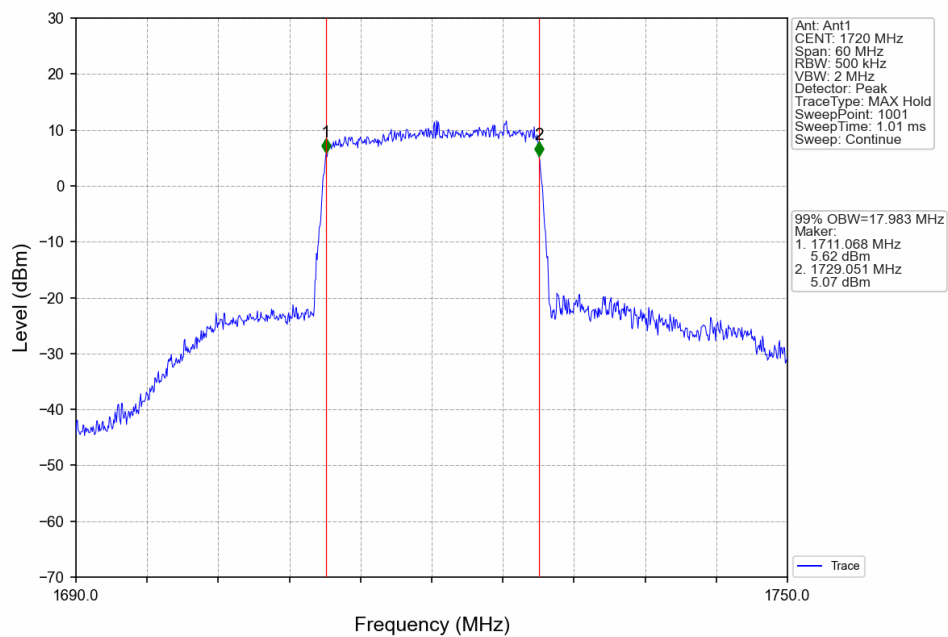




Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV

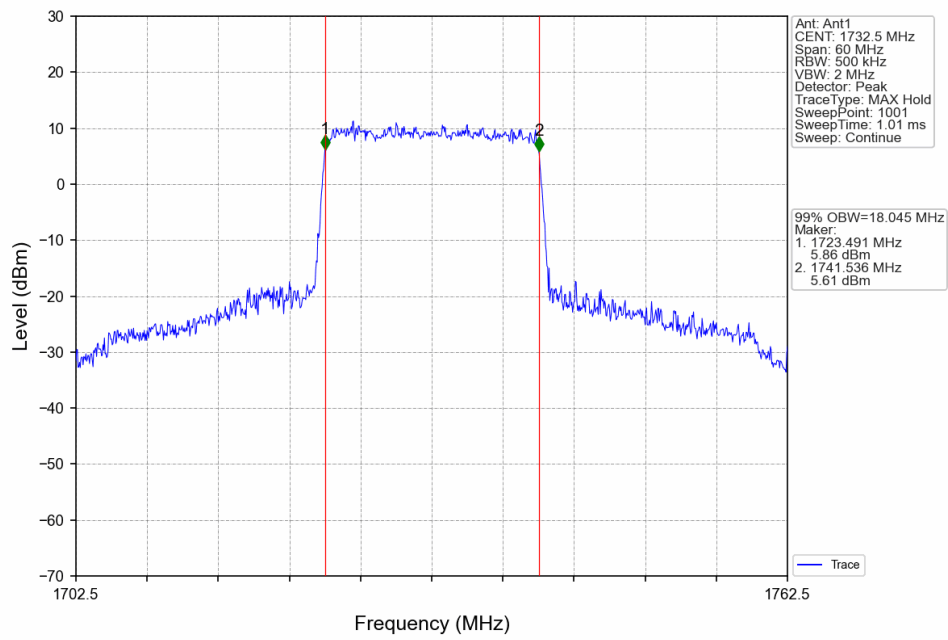


Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV

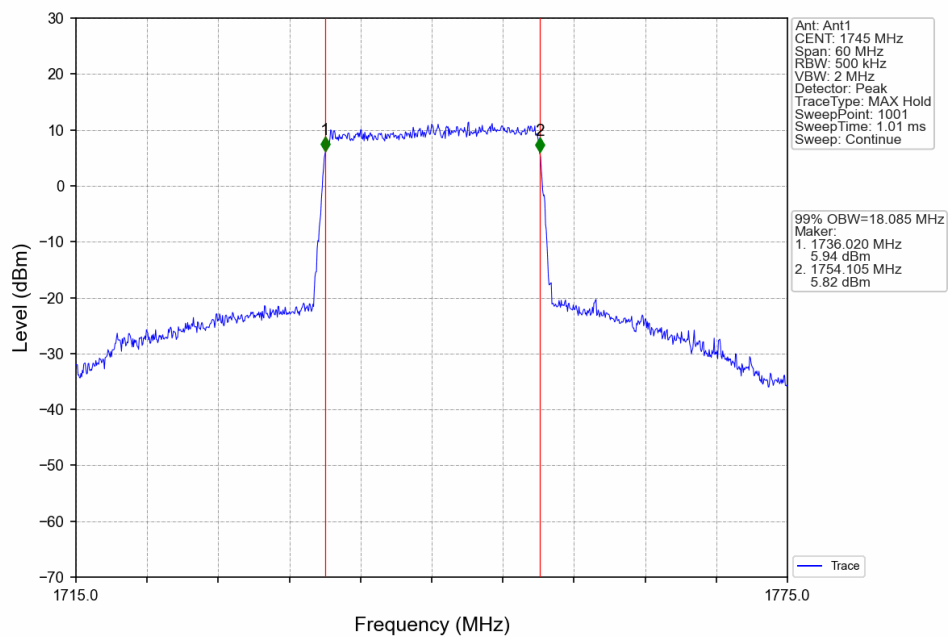




Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV





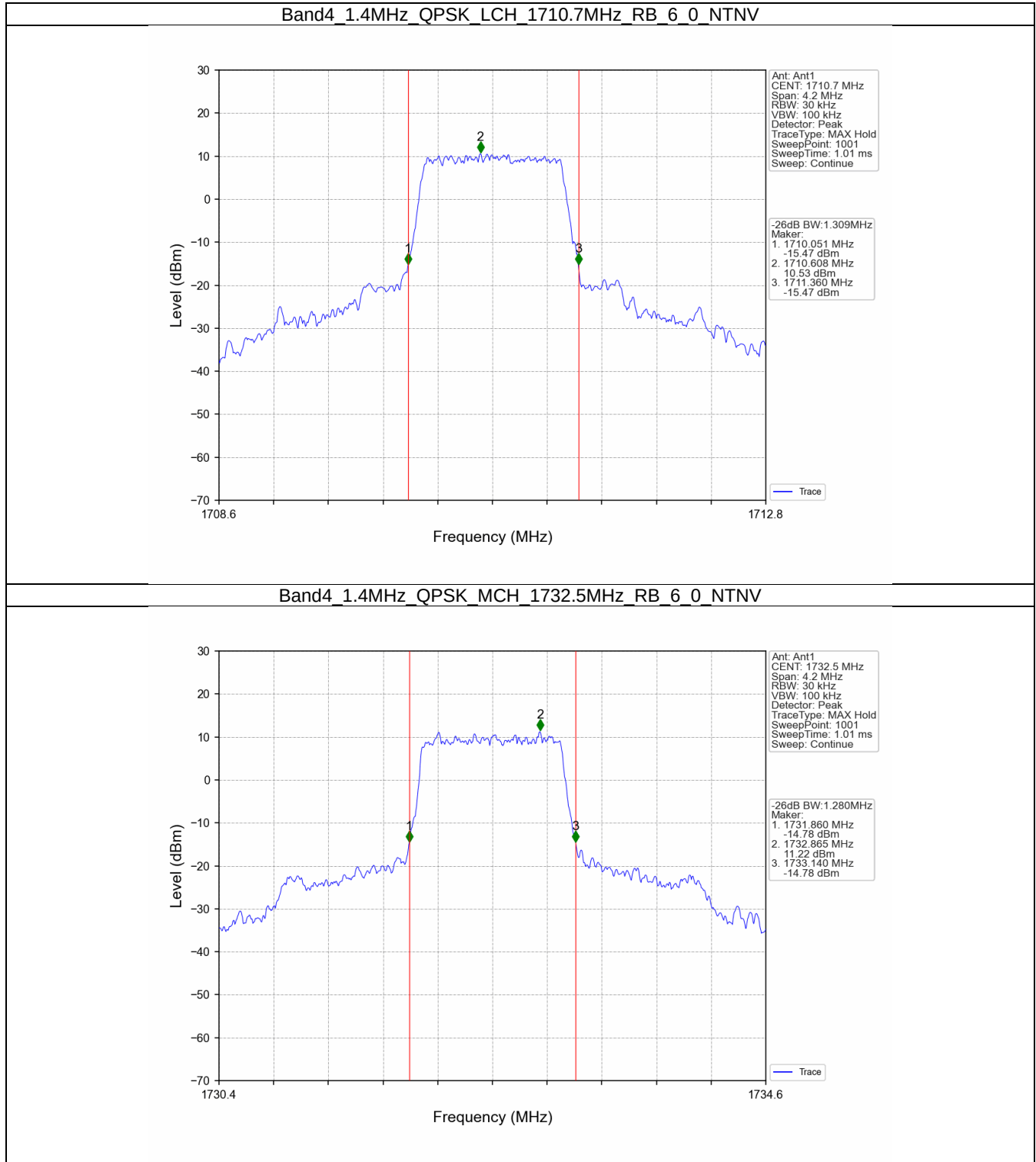
4.2 Band4_XDB

4.2.1 Test Result

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	1.309	/	Pass
		1732.5	6	0	1.280	/	Pass
		1754.3	6	0	1.285	/	Pass
	16QAM	1710.7	6	0	1.281	/	Pass
		1732.5	6	0	1.293	/	Pass
		1754.3	6	0	1.274	/	Pass
3	QPSK	1711.5	15	0	3.046	/	Pass
		1732.5	15	0	3.065	/	Pass
		1753.5	15	0	3.029	/	Pass
	16QAM	1711.5	15	0	3.046	/	Pass
		1732.5	15	0	3.054	/	Pass
		1753.5	15	0	3.023	/	Pass
5	QPSK	1712.5	25	0	4.946	/	Pass
		1732.5	25	0	4.914	/	Pass
		1752.5	25	0	4.937	/	Pass
	16QAM	1712.5	25	0	4.920	/	Pass
		1732.5	25	0	4.910	/	Pass
		1752.5	25	0	4.894	/	Pass
10	QPSK	1715	50	0	9.715	/	Pass
		1732.5	50	0	9.684	/	Pass
		1750	50	0	9.678	/	Pass
	16QAM	1715	50	0	9.666	/	Pass
		1732.5	50	0	9.717	/	Pass
		1750	50	0	9.741	/	Pass
15	QPSK	1717.5	75	0	14.634	/	Pass
		1732.5	75	0	14.612	/	Pass
		1747.5	75	0	14.614	/	Pass
	16QAM	1717.5	75	0	14.650	/	Pass
		1732.5	75	0	14.643	/	Pass
		1747.5	75	0	14.595	/	Pass
20	QPSK	1720	100	0	19.518	/	Pass
		1732.5	100	0	19.468	/	Pass
		1745	100	0	19.792	/	Pass
	16QAM	1720	100	0	19.568	/	Pass
		1732.5	100	0	19.513	/	Pass
		1745	100	0	19.527	/	Pass

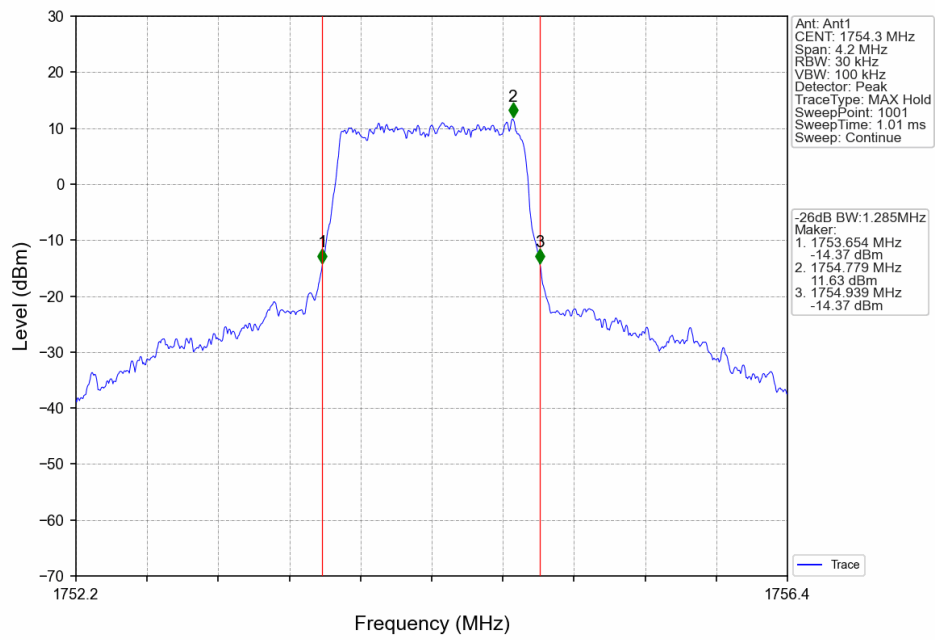


4.2.2 Test Graph

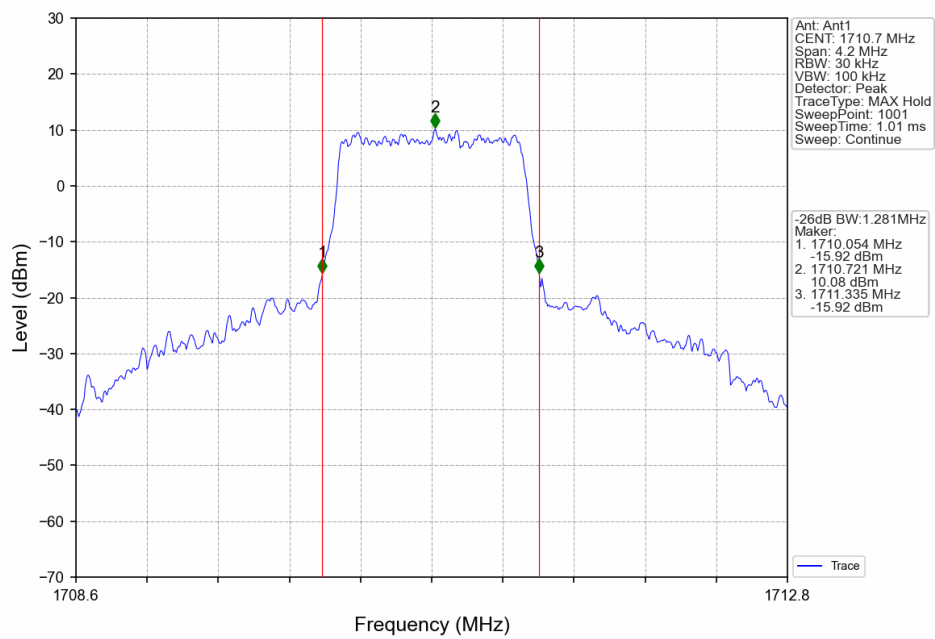




Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

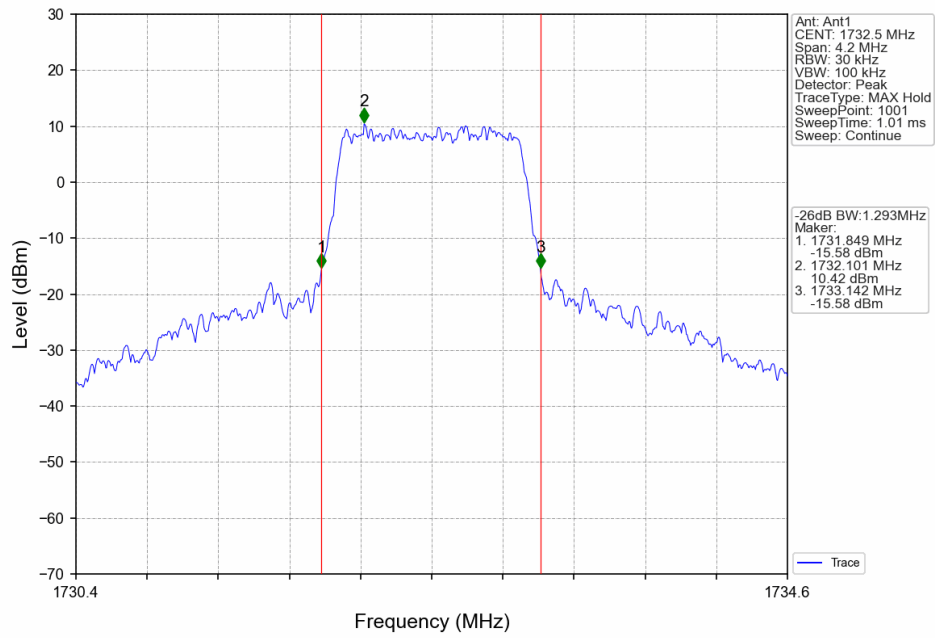


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

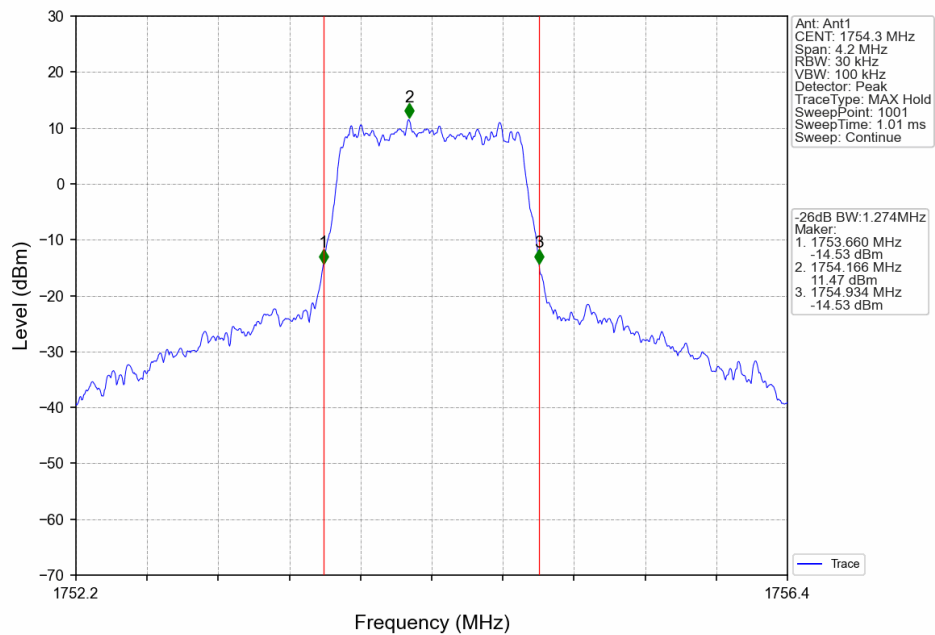




Band4 1.4MHz 16QAM MCH 1732.5MHz RB 6 0 NTNV

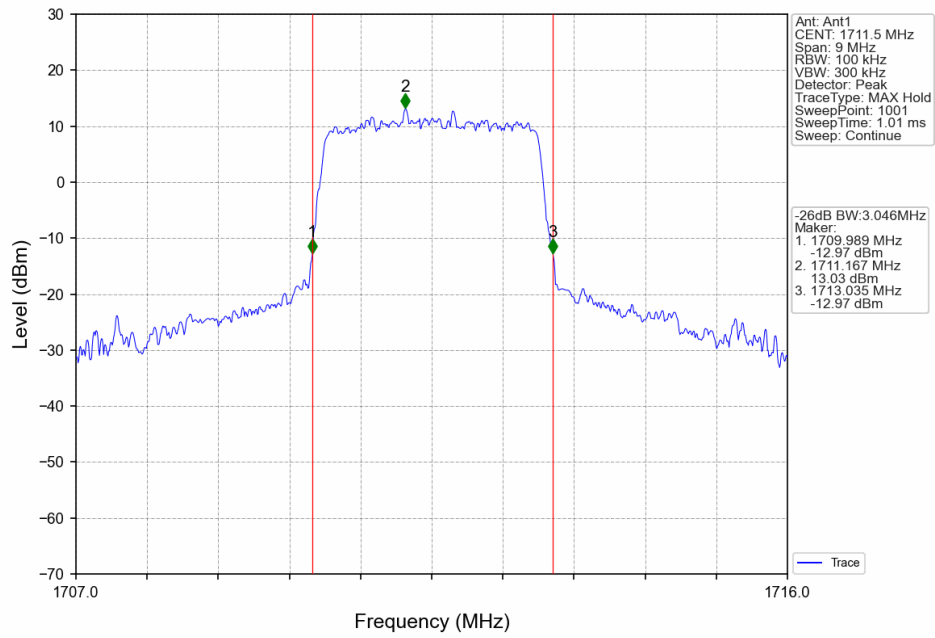


Band4 1.4MHz 16QAM HCH 1754.3MHz RB 6 0 NTNV

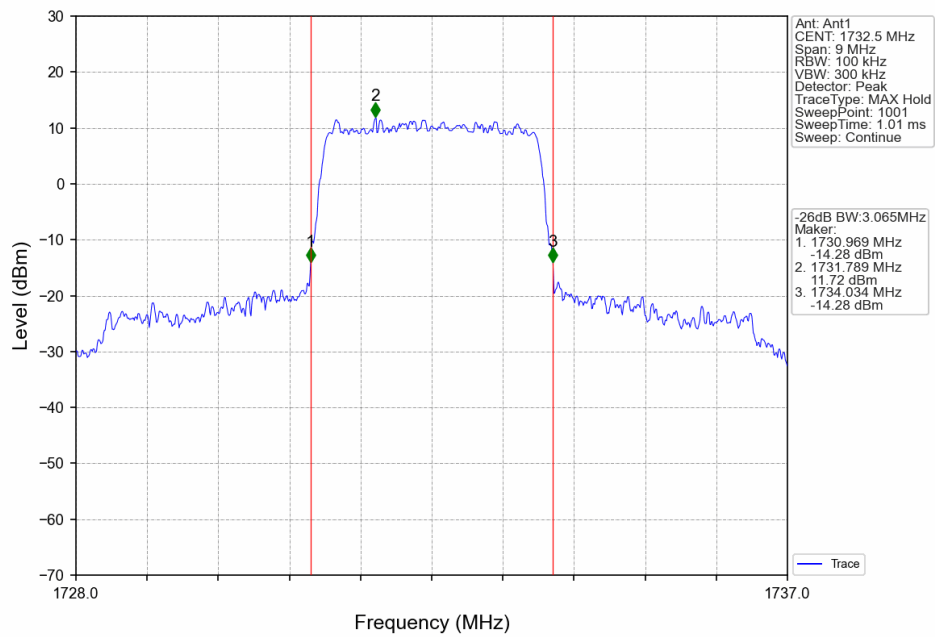




Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

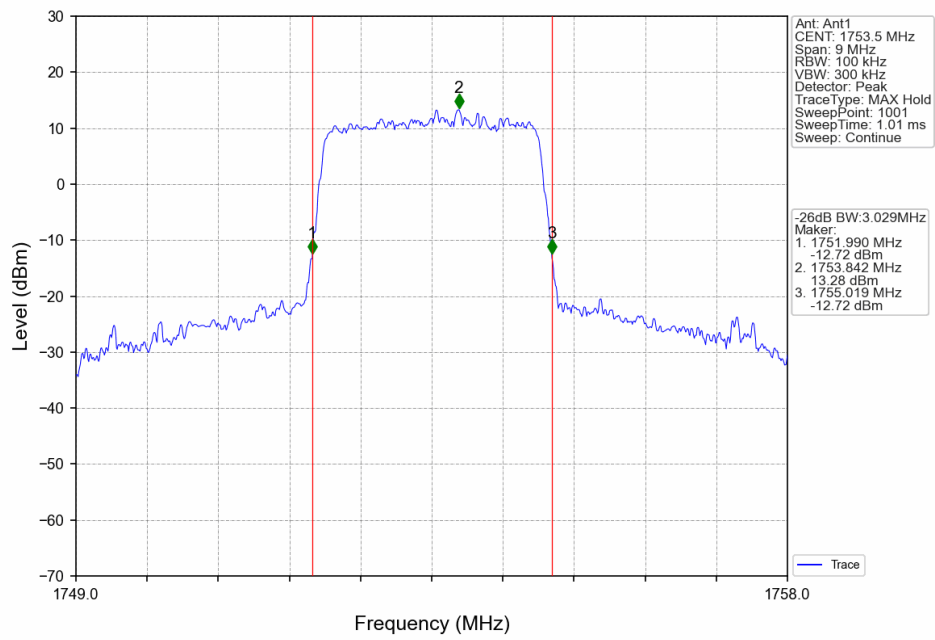


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

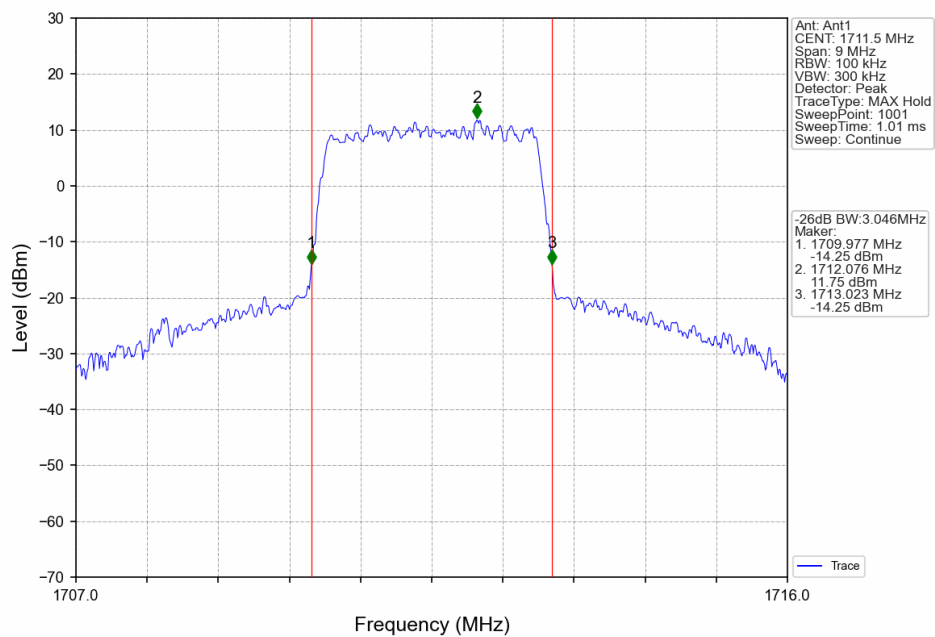




Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV

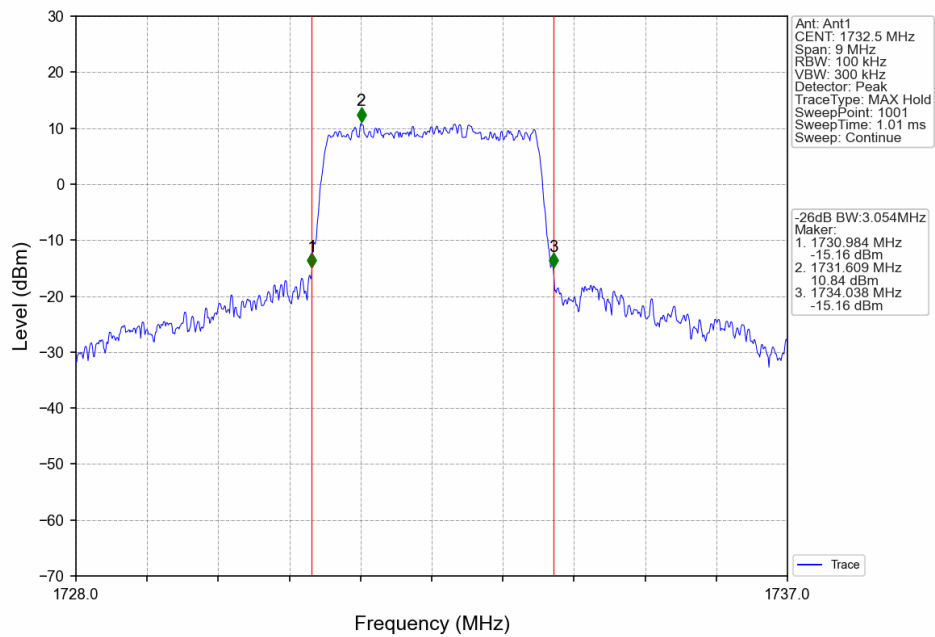


Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

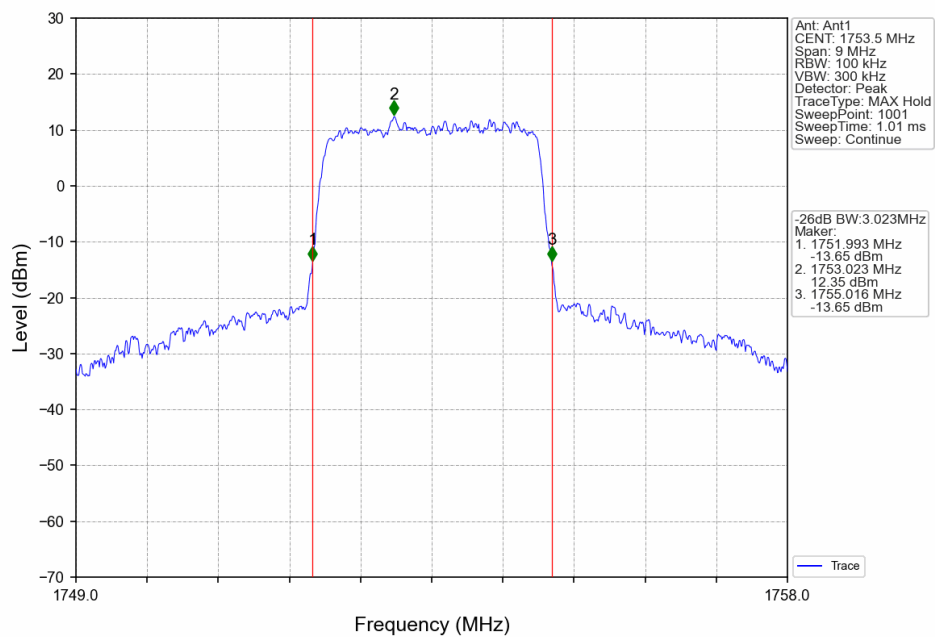




Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV

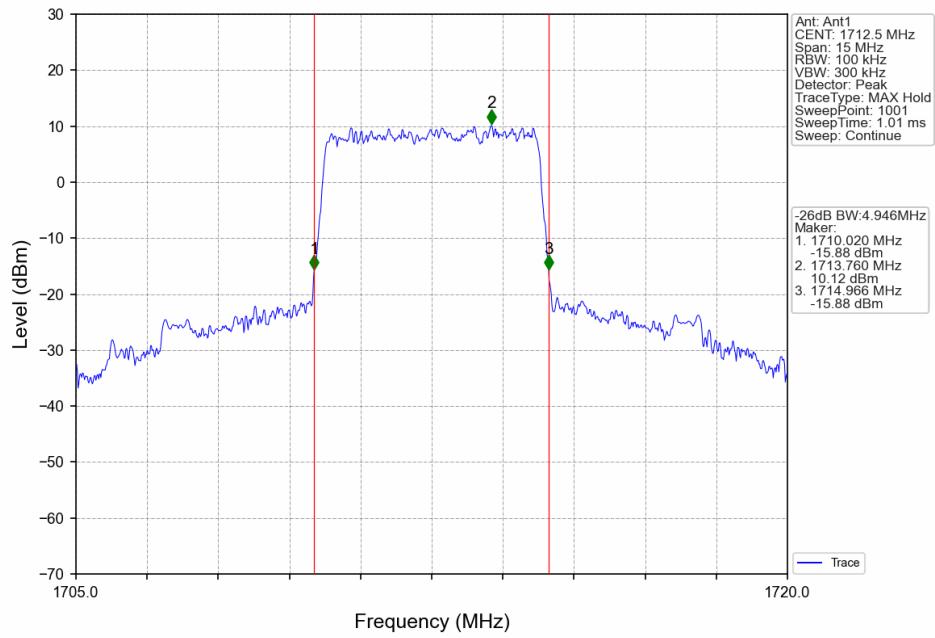


Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV

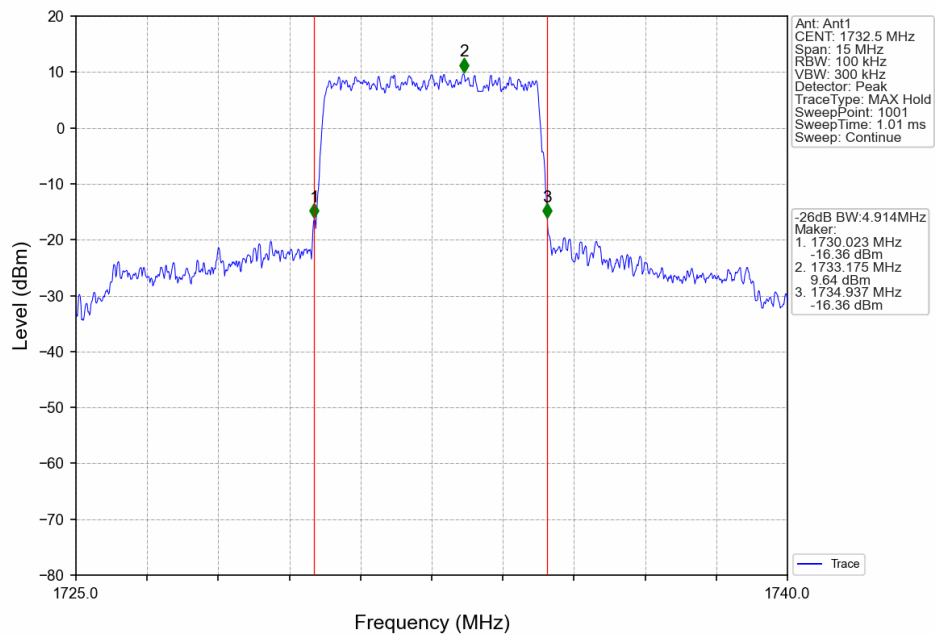




Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV

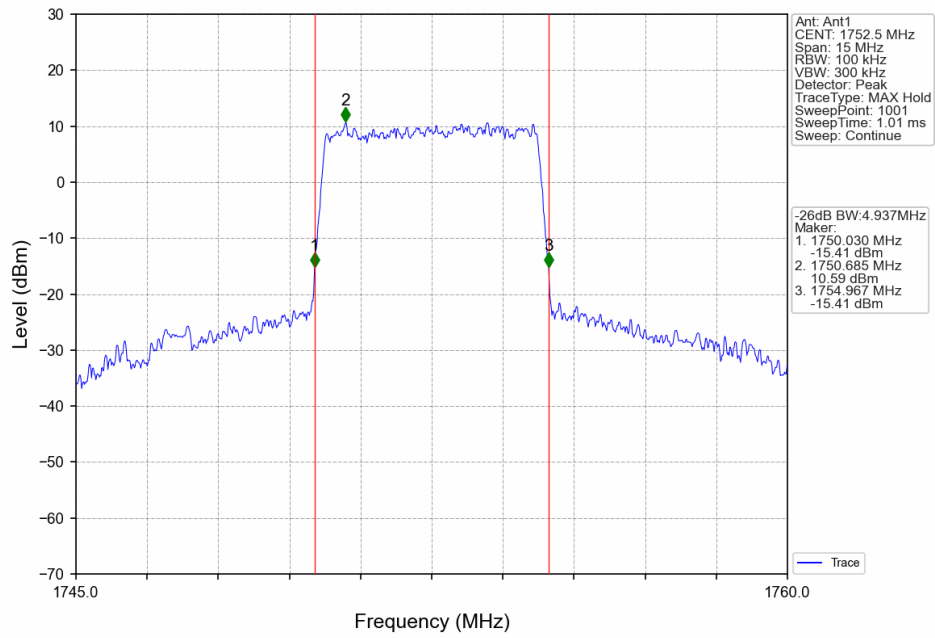


Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV

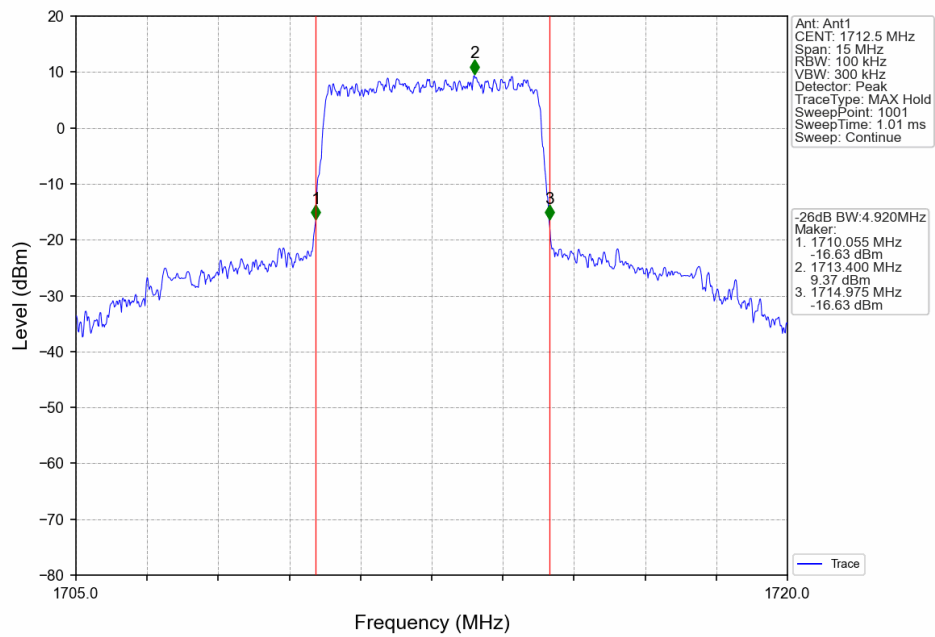




Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

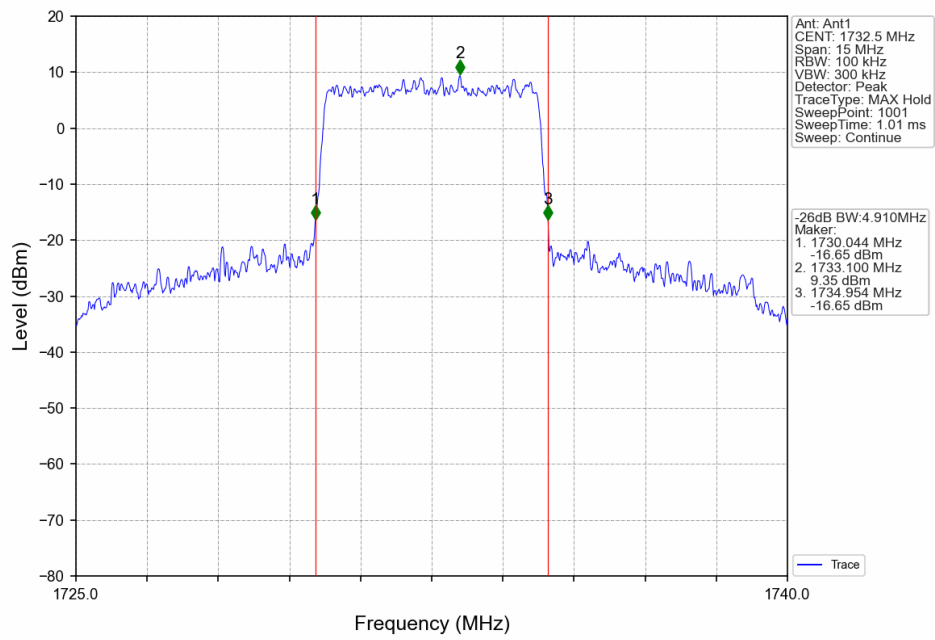


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

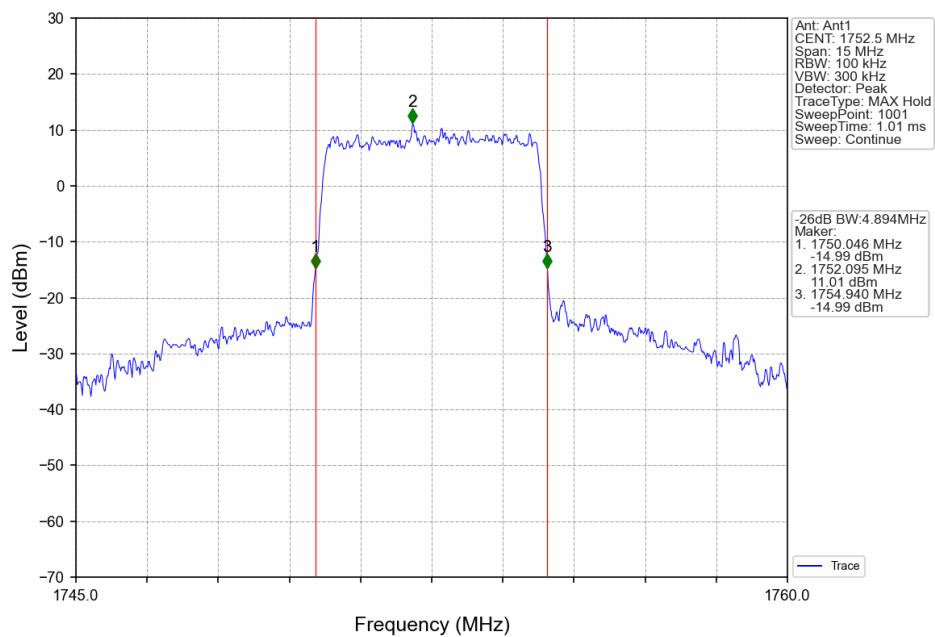




Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV

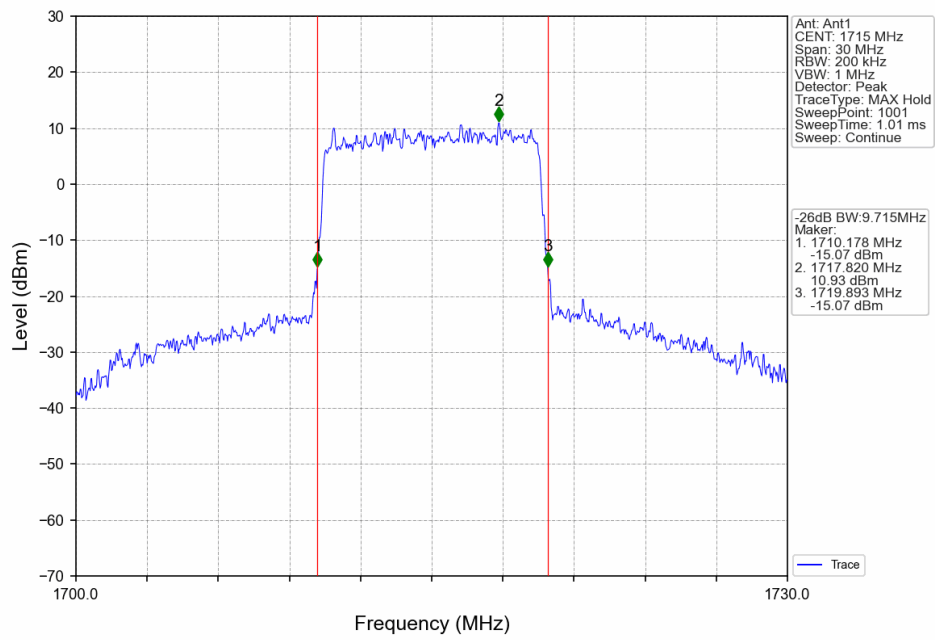


Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV





Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV

