

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B4_1.4MHz_EIRP

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	22.02	-2.90	19.12	<=30	Pass
			2	22.36	-2.90	19.46	<=30	Pass
			5	22.03	-2.90	19.13	<=30	Pass
		3	0	21.91	-2.90	19.01	<=30	Pass
			2	22.14	-2.90	19.24	<=30	Pass
			3	21.99	-2.90	19.09	<=30	Pass
		6	0	20.95	-2.90	18.05	<=30	Pass
	1732.5	1	0	22.10	-2.90	19.20	<=30	Pass
			2	22.06	-2.90	19.16	<=30	Pass
			5	22.11	-2.90	19.21	<=30	Pass
		3	0	21.93	-2.90	19.03	<=30	Pass
			2	21.95	-2.90	19.05	<=30	Pass
			3	21.86	-2.90	18.96	<=30	Pass
		6	0	20.87	-2.90	17.97	<=30	Pass
	1754.3	1	0	21.51	-2.90	18.61	<=30	Pass
			2	21.47	-2.90	18.57	<=30	Pass
			5	21.50	-2.90	18.60	<=30	Pass
		3	0	21.62	-2.90	18.72	<=30	Pass
			2	21.78	-2.90	18.88	<=30	Pass
			3	21.64	-2.90	18.74	<=30	Pass
		6	0	20.77	-2.90	17.87	<=30	Pass
16QAM	1710.7	1	0	20.45	-2.90	17.55	<=30	Pass
			2	20.57	-2.90	17.67	<=30	Pass
			5	20.68	-2.90	17.78	<=30	Pass
		3	0	21.37	-2.90	18.47	<=30	Pass
			2	20.80	-2.90	17.90	<=30	Pass
			3	20.90	-2.90	18.00	<=30	Pass
		6	0	19.86	-2.90	16.96	<=30	Pass
	1732.5	1	0	21.20	-2.90	18.30	<=30	Pass
			2	20.93	-2.90	18.03	<=30	Pass
			5	20.91	-2.90	18.01	<=30	Pass
		3	0	20.87	-2.90	17.97	<=30	Pass
			2	20.95	-2.90	18.05	<=30	Pass
			3	20.90	-2.90	18.00	<=30	Pass
		6	0	19.43	-2.90	16.53	<=30	Pass
	1754.3	1	0	20.51	-2.90	17.61	<=30	Pass
			2	20.30	-2.90	17.40	<=30	Pass
			5	20.31	-2.90	17.41	<=30	Pass
		3	0	20.49	-2.90	17.59	<=30	Pass
			2	20.58	-2.90	17.68	<=30	Pass
			3	20.60	-2.90	17.70	<=30	Pass
		6	0	19.49	-2.90	16.59	<=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	21.77	-2.90	18.87	<=30	Pass
			7	21.83	-2.90	18.93	<=30	Pass
			14	21.69	-2.90	18.79	<=30	Pass
		8	0	20.75	-2.90	17.85	<=30	Pass
			4	20.66	-2.90	17.76	<=30	Pass
			7	20.69	-2.90	17.79	<=30	Pass
		15	0	20.68	-2.90	17.78	<=30	Pass
	1732.5	1	0	21.49	-2.90	18.59	<=30	Pass
			7	21.79	-2.90	18.89	<=30	Pass
			14	21.83	-2.90	18.93	<=30	Pass
		8	0	20.55	-2.90	17.65	<=30	Pass
			4	20.50	-2.90	17.60	<=30	Pass
			7	20.51	-2.90	17.61	<=30	Pass
		15	0	20.44	-2.90	17.54	<=30	Pass
	1753.5	1	0	21.10	-2.90	18.20	<=30	Pass
			7	21.39	-2.90	18.49	<=30	Pass
			14	21.44	-2.90	18.54	<=30	Pass
		8	0	20.37	-2.90	17.47	<=30	Pass
			4	20.29	-2.90	17.39	<=30	Pass
			7	20.27	-2.90	17.37	<=30	Pass
16QAM	1711.5	1	0	20.55	-2.90	17.65	<=30	Pass
			7	20.64	-2.90	17.74	<=30	Pass
			14	20.85	-2.90	17.95	<=30	Pass
		8	0	19.49	-2.90	16.59	<=30	Pass
			4	19.65	-2.90	16.75	<=30	Pass
			7	19.78	-2.90	16.88	<=30	Pass
		15	0	19.66	-2.90	16.76	<=30	Pass
	1732.5	1	0	20.84	-2.90	17.94	<=30	Pass
			7	21.22	-2.90	18.32	<=30	Pass
			14	20.82	-2.90	17.92	<=30	Pass
		8	0	19.15	-2.90	16.25	<=30	Pass
			4	19.27	-2.90	16.37	<=30	Pass
			7	19.26	-2.90	16.36	<=30	Pass
		15	0	19.21	-2.90	16.31	<=30	Pass
	1753.5	1	0	20.37	-2.90	17.47	<=30	Pass
			7	20.71	-2.90	17.81	<=30	Pass
			14	20.65	-2.90	17.75	<=30	Pass
		8	0	19.50	-2.90	16.60	<=30	Pass
			4	19.41	-2.90	16.51	<=30	Pass
			7	19.40	-2.90	16.50	<=30	Pass
		15	0	19.51	-2.90	16.61	<=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	21.58	-2.90	18.68	<=30	Pass
			13	21.63	-2.90	18.73	<=30	Pass
			24	21.18	-2.90	18.28	<=30	Pass
		12	0	20.56	-2.90	17.66	<=30	Pass
			6	20.52	-2.90	17.62	<=30	Pass
			13	20.46	-2.90	17.56	<=30	Pass

16QAM	1732.5	25	0	20.54	-2.90	17.64	<=30	Pass
		1	0	21.18	-2.90	18.28	<=30	Pass
			13	21.34	-2.90	18.44	<=30	Pass
			24	21.45	-2.90	18.55	<=30	Pass
		12	0	20.48	-2.90	17.58	<=30	Pass
			6	20.49	-2.90	17.59	<=30	Pass
			13	20.48	-2.90	17.58	<=30	Pass
		25	0	20.36	-2.90	17.46	<=30	Pass
	1752.5	1	0	21.18	-2.90	18.28	<=30	Pass
			13	21.24	-2.90	18.34	<=30	Pass
			24	21.44	-2.90	18.54	<=30	Pass
		12	0	20.41	-2.90	17.51	<=30	Pass
			6	20.26	-2.90	17.36	<=30	Pass
			13	20.35	-2.90	17.45	<=30	Pass
		25	0	20.42	-2.90	17.52	<=30	Pass
	1712.5	1	0	20.21	-2.90	17.31	<=30	Pass
			13	20.76	-2.90	17.86	<=30	Pass
			24	19.79	-2.90	16.89	<=30	Pass
		12	0	19.40	-2.90	16.50	<=30	Pass
			6	19.47	-2.90	16.57	<=30	Pass
			13	19.32	-2.90	16.42	<=30	Pass
		25	0	19.44	-2.90	16.54	<=30	Pass
	1732.5	1	0	20.14	-2.90	17.24	<=30	Pass
			13	20.95	-2.90	18.05	<=30	Pass
			24	20.94	-2.90	18.04	<=30	Pass
		12	0	19.28	-2.90	16.38	<=30	Pass
			6	19.28	-2.90	16.38	<=30	Pass
			13	19.38	-2.90	16.48	<=30	Pass
		25	0	19.21	-2.90	16.31	<=30	Pass
	1752.5	1	0	19.71	-2.90	16.81	<=30	Pass
			13	19.61	-2.90	16.71	<=30	Pass
			24	19.79	-2.90	16.89	<=30	Pass
		12	0	19.40	-2.90	16.50	<=30	Pass
			6	19.35	-2.90	16.45	<=30	Pass
			13	19.33	-2.90	16.43	<=30	Pass
		25	0	19.43	-2.90	16.53	<=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	21.50	-2.90	18.60	<=30	Pass
			25	21.36	-2.90	18.46	<=30	Pass
			49	21.14	-2.90	18.24	<=30	Pass
		25	0	20.56	-2.90	17.66	<=30	Pass
			13	20.36	-2.90	17.46	<=30	Pass
			25	20.38	-2.90	17.48	<=30	Pass
		50	0	20.39	-2.90	17.49	<=30	Pass
	1732.5	1	0	21.44	-2.90	18.54	<=30	Pass
			25	21.80	-2.90	18.90	<=30	Pass
			49	21.53	-2.90	18.63	<=30	Pass
		25	0	20.43	-2.90	17.53	<=30	Pass
			13	20.53	-2.90	17.63	<=30	Pass
			25	20.45	-2.90	17.55	<=30	Pass
		50	0	20.42	-2.90	17.52	<=30	Pass

16QAM	1750	1	0	21.50	-2.90	18.60	<=30	Pass
			25	21.37	-2.90	18.47	<=30	Pass
			49	21.57	-2.90	18.67	<=30	Pass
		25	0	20.42	-2.90	17.52	<=30	Pass
			13	20.39	-2.90	17.49	<=30	Pass
			25	20.31	-2.90	17.41	<=30	Pass
		50	0	20.39	-2.90	17.49	<=30	Pass
	1715	1	0	20.38	-2.90	17.48	<=30	Pass
			25	20.16	-2.90	17.26	<=30	Pass
			49	19.89	-2.90	16.99	<=30	Pass
		12	0	20.50	-2.90	17.60	<=30	Pass
			19	20.31	-2.90	17.41	<=30	Pass
			38	20.23	-2.90	17.33	<=30	Pass
		27	0	19.38	-2.90	16.48	<=30	Pass
	1732.5	1	0	19.86	-2.90	16.96	<=30	Pass
			25	20.94	-2.90	18.04	<=30	Pass
			49	20.90	-2.90	18.00	<=30	Pass
		12	0	20.23	-2.90	17.33	<=30	Pass
			19	20.53	-2.90	17.63	<=30	Pass
			38	20.61	-2.90	17.71	<=30	Pass
		27	0	19.49	-2.90	16.59	<=30	Pass
	1750	1	0	20.78	-2.90	17.88	<=30	Pass
			25	20.92	-2.90	18.02	<=30	Pass
			49	20.32	-2.90	17.42	<=30	Pass
		12	0	20.55	-2.90	17.65	<=30	Pass
			19	20.38	-2.90	17.48	<=30	Pass
			38	20.47	-2.90	17.57	<=30	Pass
		27	23	19.41	-2.90	16.51	<=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	21.55	-2.90	18.65	<=30	Pass
			38	21.31	-2.90	18.41	<=30	Pass
			74	21.24	-2.90	18.34	<=30	Pass
		36	0	20.50	-2.90	17.60	<=30	Pass
			18	20.41	-2.90	17.51	<=30	Pass
			39	20.34	-2.90	17.44	<=30	Pass
		75	0	20.46	-2.90	17.56	<=30	Pass
	1732.5	1	0	21.83	-2.90	18.93	<=30	Pass
			38	22.06	-2.90	19.16	<=30	Pass
			74	22.24	-2.90	19.34	<=30	Pass
		36	0	21.02	-2.90	18.12	<=30	Pass
			18	20.99	-2.90	18.09	<=30	Pass
			39	21.02	-2.90	18.12	<=30	Pass
		75	0	20.90	-2.90	18.00	<=30	Pass
	1747.5	1	0	21.88	-2.90	18.98	<=30	Pass
			38	21.90	-2.90	19.00	<=30	Pass
			74	21.84	-2.90	18.94	<=30	Pass
		36	0	20.93	-2.90	18.03	<=30	Pass
			18	20.85	-2.90	17.95	<=30	Pass
			39	20.83	-2.90	17.93	<=30	Pass
		75	0	20.83	-2.90	17.93	<=30	Pass
16QAM	1717.5	1	0	21.76	-2.90	18.86	<=30	Pass

			38	21.69	-2.90	18.79	<=30	Pass
			74	21.46	-2.90	18.56	<=30	Pass
		12	0	21.35	-2.90	18.45	<=30	Pass
			31	21.14	-2.90	18.24	<=30	Pass
			63	21.10	-2.90	18.20	<=30	Pass
		27	0	20.27	-2.90	17.37	<=30	Pass
	1732.5	1	0	21.44	-2.90	18.54	<=30	Pass
			38	21.37	-2.90	18.47	<=30	Pass
			74	21.53	-2.90	18.63	<=30	Pass
		12	0	20.47	-2.90	17.57	<=30	Pass
			31	20.69	-2.90	17.79	<=30	Pass
			63	20.78	-2.90	17.88	<=30	Pass
	27	0	19.63	-2.90	16.73	<=30	Pass	
	1747.5	1	0	21.50	-2.90	18.60	<=30	Pass
			38	21.41	-2.90	18.51	<=30	Pass
			74	21.39	-2.90	18.49	<=30	Pass
		12	0	21.03	-2.90	18.13	<=30	Pass
			31	20.79	-2.90	17.89	<=30	Pass
			63	20.59	-2.90	17.69	<=30	Pass
	27	48	19.84	-2.90	16.94	<=30	Pass	
Note1: EIRP=Conducted Power+Antenna Gain								

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B4_20MHz_EIRP

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	22.47	-2.90	19.57	<=30	Pass
			50	21.86	-2.90	18.96	<=30	Pass
			99	21.77	-2.90	18.87	<=30	Pass
		50	0	21.06	-2.90	18.16	<=30	Pass
			25	20.86	-2.90	17.96	<=30	Pass
			50	20.84	-2.90	17.94	<=30	Pass
		100	0	20.96	-2.90	18.06	<=30	Pass
			0	21.86	-2.90	18.96	<=30	Pass
			50	22.13	-2.90	19.23	<=30	Pass
		1	99	22.41	-2.90	19.51	<=30	Pass
			0	20.69	-2.90	17.79	<=30	Pass
			25	20.72	-2.90	17.82	<=30	Pass
16QAM	1732.5	50	50	20.73	-2.90	17.83	<=30	Pass
			0	20.61	-2.90	17.71	<=30	Pass
		100	0	21.82	-2.90	18.92	<=30	Pass
			50	21.85	-2.90	18.95	<=30	Pass
			99	21.96	-2.90	19.06	<=30	Pass
		1	0	21.11	-2.90	18.21	<=30	Pass
			25	21.20	-2.90	18.30	<=30	Pass
			50	20.87	-2.90	17.97	<=30	Pass
		50	0	20.85	-2.90	17.95	<=30	Pass
			50	20.77	-2.90	17.87	<=30	Pass
			99	20.18	-2.90	17.28	<=30	Pass
		12	0	21.01	-2.90	18.11	<=30	Pass
			44	20.46	-2.90	17.56	<=30	Pass
			88	20.68	-2.90	17.78	<=30	Pass
	1732.5	27	0	19.74	-2.90	16.84	<=30	Pass
			0	20.63	-2.90	17.73	<=30	Pass
			50	20.48	-2.90	17.58	<=30	Pass

			99	20.68	-2.90	17.78	<=30	Pass
		12	0	20.34	-2.90	17.44	<=30	Pass
			44	20.60	-2.90	17.70	<=30	Pass
			88	20.74	-2.90	17.84	<=30	Pass
		27	0	19.14	-2.90	16.24	<=30	Pass
	1745	1	0	21.87	-2.90	18.97	<=30	Pass
			50	21.72	-2.90	18.82	<=30	Pass
			99	21.68	-2.90	18.78	<=30	Pass
		12	0	20.79	-2.90	17.89	<=30	Pass
			44	20.89	-2.90	17.99	<=30	Pass
			88	20.52	-2.90	17.62	<=30	Pass
		27	73	19.71	-2.90	16.81	<=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	0.401	0.0002	-2.5 to 2.5	Pass
					3.85	1.202	0.0007	-2.5 to 2.5	Pass
					4.43	1.173	0.0007	-2.5 to 2.5	Pass
				-30	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.645	0.0010	-2.5 to 2.5	Pass
				0	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				30	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.631	0.0010	-2.5 to 2.5	Pass
				50	3.85	1.130	0.0007	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	0.114	0.0001	-2.5 to 2.5	Pass
					3.85	0.629	0.0004	-2.5 to 2.5	Pass
					4.43	-0.143	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-0.014	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				10	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.629	-0.0004	-2.5 to 2.5	Pass
				40	3.85	0.973	0.0006	-2.5 to 2.5	Pass
				50	3.85	-0.615	-0.0004	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-3.104	-0.0018	-2.5 to 2.5	Pass
					3.85	-2.618	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0012	-2.5 to 2.5	Pass
				-30	3.85	-2.546	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.074	-0.0012	-2.5 to 2.5	Pass
				0	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-1.931	-0.0011	-2.5 to 2.5	Pass
				30	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-1.888	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass

16QAM	1710.7	6	0	20	3.27	0.987	0.0006	-2.5 to 2.5	Pass
					3.85	1.373	0.0008	-2.5 to 2.5	Pass
					4.43	2.446	0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				-20	3.85	1.688	0.0010	-2.5 to 2.5	Pass
				-10	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				10	3.85	0.772	0.0005	-2.5 to 2.5	Pass
				30	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				40	3.85	1.287	0.0008	-2.5 to 2.5	Pass
				50	3.85	1.702	0.0010	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.27	-0.343	-0.0002	-2.5 to 2.5	Pass
					3.85	-0.758	-0.0004	-2.5 to 2.5	Pass
					4.43	0.343	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-20	3.85	1.345	0.0008	-2.5 to 2.5	Pass
				-10	3.85	0.315	0.0002	-2.5 to 2.5	Pass
				0	3.85	0.787	0.0005	-2.5 to 2.5	Pass
				10	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				30	3.85	-0.286	-0.0002	-2.5 to 2.5	Pass
				40	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				50	3.85	-0.272	-0.0002	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.27	-2.646	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
					4.43	-3.104	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-3.333	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-2.275	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-2.718	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-2.933	-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	0.100	0.0001	-2.5 to 2.5	Pass
					3.85	0.958	0.0006	-2.5 to 2.5	Pass
					4.43	0.386	0.0002	-2.5 to 2.5	Pass
				-30	3.85	0.601	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.844	0.0005	-2.5 to 2.5	Pass
				-10	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				0	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				10	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.772	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.087	0.0006	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.687	0.0004	-2.5 to 2.5	Pass
					3.85	0.472	0.0003	-2.5 to 2.5	Pass
					4.43	0.615	0.0004	-2.5 to 2.5	Pass
				-30	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.672	0.0004	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0008	-2.5 to 2.5	Pass

				10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				30	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				50	3.85	0.558	0.0003	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	1.202	0.0007	-2.5 to 2.5	Pass
					3.85	0.701	0.0004	-2.5 to 2.5	Pass
					4.43	0.687	0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.958	0.0005	-2.5 to 2.5	Pass
				-20	3.85	-0.401	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				0	3.85	0.858	0.0005	-2.5 to 2.5	Pass
				10	3.85	1.059	0.0006	-2.5 to 2.5	Pass
				30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				40	3.85	1.216	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.030	0.0006	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	0.658	0.0004	-2.5 to 2.5	Pass
					3.85	0.544	0.0003	-2.5 to 2.5	Pass
					4.43	1.316	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				-10	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				0	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.043	0.0000	-2.5 to 2.5	Pass
				40	3.85	0.644	0.0004	-2.5 to 2.5	Pass
				50	3.85	0.687	0.0004	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.27	0.658	0.0004	-2.5 to 2.5	Pass
					3.85	0.286	0.0002	-2.5 to 2.5	Pass
					4.43	0.587	0.0003	-2.5 to 2.5	Pass
				-30	3.85	0.658	0.0004	-2.5 to 2.5	Pass
				-20	3.85	0.916	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.200	0.0001	-2.5 to 2.5	Pass
				0	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				10	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				30	3.85	0.587	0.0003	-2.5 to 2.5	Pass
				40	3.85	0.529	0.0003	-2.5 to 2.5	Pass
				50	3.85	0.758	0.0004	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.27	0.858	0.0005	-2.5 to 2.5	Pass
					3.85	0.043	0.0000	-2.5 to 2.5	Pass
					4.43	1.616	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.486	0.0003	-2.5 to 2.5	Pass
				-20	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				-10	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				10	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0007	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.143	0.0001	-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	1.402	0.0008	-2.5 to 2.5	Pass
					3.85	1.760	0.0010	-2.5 to 2.5	Pass
					4.43	1.588	0.0009	-2.5 to 2.5	Pass

				-30	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				-20	3.85	1.459	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.575	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				40	3.85	1.945	0.0011	-2.5 to 2.5	Pass
				50	3.85	1.774	0.0010	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.916	0.0005	-2.5 to 2.5	Pass
					3.85	1.616	0.0009	-2.5 to 2.5	Pass
					4.43	1.545	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				-20	3.85	0.515	0.0003	-2.5 to 2.5	Pass
				-10	3.85	0.057	0.0000	-2.5 to 2.5	Pass
				0	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.629	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.701	0.0004	-2.5 to 2.5	Pass
				50	3.85	1.616	0.0009	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-2.589	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.130	-0.0006	-2.5 to 2.5	Pass
					4.43	-1.173	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.916	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.089	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.415	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-1.488	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	2.160	0.0013	-2.5 to 2.5	Pass
					3.85	2.503	0.0015	-2.5 to 2.5	Pass
					4.43	2.146	0.0013	-2.5 to 2.5	Pass
				-30	3.85	1.860	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				0	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				10	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.031	0.0012	-2.5 to 2.5	Pass
				40	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				50	3.85	1.459	0.0009	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.27	0.944	0.0005	-2.5 to 2.5	Pass
					3.85	1.802	0.0010	-2.5 to 2.5	Pass
					4.43	2.046	0.0012	-2.5 to 2.5	Pass
				-30	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.431	0.0008	-2.5 to 2.5	Pass
				-10	3.85	1.717	0.0010	-2.5 to 2.5	Pass
				0	3.85	2.532	0.0015	-2.5 to 2.5	Pass
				10	3.85	1.788	0.0010	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				40	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				50	3.85	1.988	0.0011	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.27	-0.887	-0.0005	-2.5 to 2.5	Pass
					3.85	-0.715	-0.0004	-2.5 to 2.5	Pass
					4.43	-1.774	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.672	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.472	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass

				10	3.85	-1.173	-0.0007	-2.5 to 2.5	Pass
				30	3.85	-1.016	-0.0006	-2.5 to 2.5	Pass
				40	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-0.343	-0.0002	-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	-1.802	-0.0011	-2.5 to 2.5	Pass
					3.85	-2.947	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.531	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass
				-10	3.85	-1.187	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
				10	3.85	-0.801	-0.0005	-2.5 to 2.5	Pass
				30	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-2.003	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-0.730	-0.0004	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.27	1.774	0.0010	-2.5 to 2.5	Pass
					3.85	2.475	0.0014	-2.5 to 2.5	Pass
					4.43	2.031	0.0012	-2.5 to 2.5	Pass
				-30	3.85	1.302	0.0008	-2.5 to 2.5	Pass
				-20	3.85	2.003	0.0012	-2.5 to 2.5	Pass
				-10	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				0	3.85	1.373	0.0008	-2.5 to 2.5	Pass
				10	3.85	3.090	0.0018	-2.5 to 2.5	Pass
				30	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				40	3.85	2.089	0.0012	-2.5 to 2.5	Pass
				50	3.85	2.174	0.0013	-2.5 to 2.5	Pass
	1750	50	0	20	3.27	2.460	0.0014	-2.5 to 2.5	Pass
					3.85	3.490	0.0020	-2.5 to 2.5	Pass
					4.43	3.018	0.0017	-2.5 to 2.5	Pass
				-30	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				-20	3.85	3.161	0.0018	-2.5 to 2.5	Pass
				-10	3.85	3.405	0.0019	-2.5 to 2.5	Pass
				0	3.85	3.119	0.0018	-2.5 to 2.5	Pass
				10	3.85	3.262	0.0019	-2.5 to 2.5	Pass
				30	3.85	2.847	0.0016	-2.5 to 2.5	Pass
				40	3.85	2.646	0.0015	-2.5 to 2.5	Pass
16QAM	1715	27	0	20	3.27	-2.561	-0.0015	-2.5 to 2.5	Pass
					3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.831	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				-20	3.85	-1.717	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-1.545	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.831	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-1.645	-0.0010	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	1.631	0.0009	-2.5 to 2.5	Pass
					3.85	1.116	0.0006	-2.5 to 2.5	Pass
					4.43	1.330	0.0008	-2.5 to 2.5	Pass

				-30	3.85	1.044	0.0006	-2.5 to 2.5	Pass
				-20	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				30	3.85	1.230	0.0007	-2.5 to 2.5	Pass
				40	3.85	1.473	0.0009	-2.5 to 2.5	Pass
				50	3.85	1.087	0.0006	-2.5 to 2.5	Pass
	1750	27	23	20	3.27	2.847	0.0016	-2.5 to 2.5	Pass
					3.85	3.061	0.0017	-2.5 to 2.5	Pass
					4.43	3.448	0.0020	-2.5 to 2.5	Pass
				-30	3.85	3.777	0.0022	-2.5 to 2.5	Pass
				-20	3.85	2.975	0.0017	-2.5 to 2.5	Pass
				-10	3.85	3.505	0.0020	-2.5 to 2.5	Pass
				0	3.85	3.061	0.0017	-2.5 to 2.5	Pass
				10	3.85	2.890	0.0017	-2.5 to 2.5	Pass
				30	3.85	3.691	0.0021	-2.5 to 2.5	Pass
				40	3.85	3.948	0.0023	-2.5 to 2.5	Pass
				50	3.85	3.204	0.0018	-2.5 to 2.5	Pass

2.1.5 B4_15MHz

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.27	2.961	0.0017	-2.5 to 2.5	Pass
					3.85	2.275	0.0013	-2.5 to 2.5	Pass
					4.43	1.788	0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.016	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.472	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.144	0.0007	-2.5 to 2.5	Pass
				0	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				10	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				30	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				40	3.85	0.901	0.0005	-2.5 to 2.5	Pass
				50	3.85	0.744	0.0004	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.27	1.101	0.0006	-2.5 to 2.5	Pass
					3.85	0.701	0.0004	-2.5 to 2.5	Pass
					4.43	1.016	0.0006	-2.5 to 2.5	Pass
				-30	3.85	1.545	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.615	0.0004	-2.5 to 2.5	Pass
				-10	3.85	0.401	0.0002	-2.5 to 2.5	Pass
				0	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				10	3.85	2.761	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.089	0.0012	-2.5 to 2.5	Pass
				40	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				50	3.85	2.317	0.0013	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.27	3.405	0.0019	-2.5 to 2.5	Pass
					3.85	1.845	0.0011	-2.5 to 2.5	Pass
					4.43	1.674	0.0010	-2.5 to 2.5	Pass
				-30	3.85	1.130	0.0006	-2.5 to 2.5	Pass
				-20	3.85	0.930	0.0005	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				0	3.85	2.446	0.0014	-2.5 to 2.5	Pass
				10	3.85	2.332	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.903	0.0011	-2.5 to 2.5	Pass
				40	3.85	2.203	0.0013	-2.5 to 2.5	Pass

16QAM	1717.5	27	0	50	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				20	3.27	0.844	0.0005	-2.5 to 2.5	Pass
					3.85	0.358	0.0002	-2.5 to 2.5	Pass
					4.43	1.488	0.0009	-2.5 to 2.5	Pass
				-30	3.85	0.944	0.0005	-2.5 to 2.5	Pass
				-20	3.85	1.030	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				10	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				30	3.85	0.472	0.0003	-2.5 to 2.5	Pass
	1732.5	27	0	40	3.85	1.101	0.0006	-2.5 to 2.5	Pass
				50	3.85	0.329	0.0002	-2.5 to 2.5	Pass
				20	3.27	1.116	0.0006	-2.5 to 2.5	Pass
					3.85	1.931	0.0011	-2.5 to 2.5	Pass
					4.43	1.416	0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.089	0.0012	-2.5 to 2.5	Pass
				-20	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				-10	3.85	1.502	0.0009	-2.5 to 2.5	Pass
				0	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				10	3.85	1.116	0.0006	-2.5 to 2.5	Pass
	1747.5	27	48	30	3.85	2.131	0.0012	-2.5 to 2.5	Pass
				40	3.85	1.130	0.0007	-2.5 to 2.5	Pass
				50	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				20	3.27	1.988	0.0011	-2.5 to 2.5	Pass
					3.85	1.316	0.0008	-2.5 to 2.5	Pass
					4.43	1.502	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				-10	3.85	1.416	0.0008	-2.5 to 2.5	Pass
				0	3.85	1.760	0.0010	-2.5 to 2.5	Pass
				10	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				30	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				40	3.85	2.046	0.0012	-2.5 to 2.5	Pass
				50	3.85	1.960	0.0011	-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	1.202	0.0007	-2.5 to 2.5	Pass
					3.85	1.945	0.0011	-2.5 to 2.5	Pass
					4.43	1.316	0.0008	-2.5 to 2.5	Pass
				-30	3.85	1.988	0.0012	-2.5 to 2.5	Pass
				-20	3.85	2.232	0.0013	-2.5 to 2.5	Pass
				-10	3.85	1.817	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.202	0.0007	-2.5 to 2.5	Pass
				10	3.85	1.917	0.0011	-2.5 to 2.5	Pass
				30	3.85	1.774	0.0010	-2.5 to 2.5	Pass
				40	3.85	0.887	0.0005	-2.5 to 2.5	Pass
				50	3.85	1.760	0.0010	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.27	0.572	0.0003	-2.5 to 2.5	Pass
					3.85	0.687	0.0004	-2.5 to 2.5	Pass
					4.43	1.588	0.0009	-2.5 to 2.5	Pass
				-30	3.85	1.631	0.0009	-2.5 to 2.5	Pass
				-20	3.85	0.286	0.0002	-2.5 to 2.5	Pass
				-10	3.85	0.615	0.0004	-2.5 to 2.5	Pass

				0	3.85	1.001	0.0006	-2.5 to 2.5	Pass
				10	3.85	2.160	0.0012	-2.5 to 2.5	Pass
				30	3.85	1.602	0.0009	-2.5 to 2.5	Pass
				40	3.85	1.531	0.0009	-2.5 to 2.5	Pass
				50	3.85	2.918	0.0017	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-0.987	-0.0006	-2.5 to 2.5	Pass
					3.85	-1.674	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.674	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.847	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.518	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.616	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.260	-0.0013	-2.5 to 2.5	Pass
				50	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
16QAM	1720	27	0	20	3.27	2.074	0.0012	-2.5 to 2.5	Pass
					3.85	1.945	0.0011	-2.5 to 2.5	Pass
					4.43	2.503	0.0015	-2.5 to 2.5	Pass
				-30	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				-20	3.85	2.604	0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.618	0.0015	-2.5 to 2.5	Pass
				0	3.85	2.961	0.0017	-2.5 to 2.5	Pass
				10	3.85	2.632	0.0015	-2.5 to 2.5	Pass
				30	3.85	2.332	0.0014	-2.5 to 2.5	Pass
				40	3.85	2.933	0.0017	-2.5 to 2.5	Pass
				50	3.85	2.389	0.0014	-2.5 to 2.5	Pass
	1732.5	27	0	20	3.27	2.260	0.0013	-2.5 to 2.5	Pass
					3.85	1.702	0.0010	-2.5 to 2.5	Pass
					4.43	2.375	0.0014	-2.5 to 2.5	Pass
				-30	3.85	1.960	0.0011	-2.5 to 2.5	Pass
				-20	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0011	-2.5 to 2.5	Pass
				0	3.85	1.073	0.0006	-2.5 to 2.5	Pass
				10	3.85	2.503	0.0014	-2.5 to 2.5	Pass
				30	3.85	1.674	0.0010	-2.5 to 2.5	Pass
				40	3.85	1.645	0.0009	-2.5 to 2.5	Pass
				50	3.85	2.775	0.0016	-2.5 to 2.5	Pass
	1745	27	73	20	3.27	-2.360	-0.0014	-2.5 to 2.5	Pass
					3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
					4.43	-1.717	-0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-2.103	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-2.747	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-2.117	-0.0012	-2.5 to 2.5	Pass
				50	3.85	-3.061	-0.0018	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B4_1.4MHz

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

3.1.2 B4_3MHz

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

3.1.3 B4_5MHz

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

3.1.4 B4_10MHz

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

3.1.5 B4_15MHz

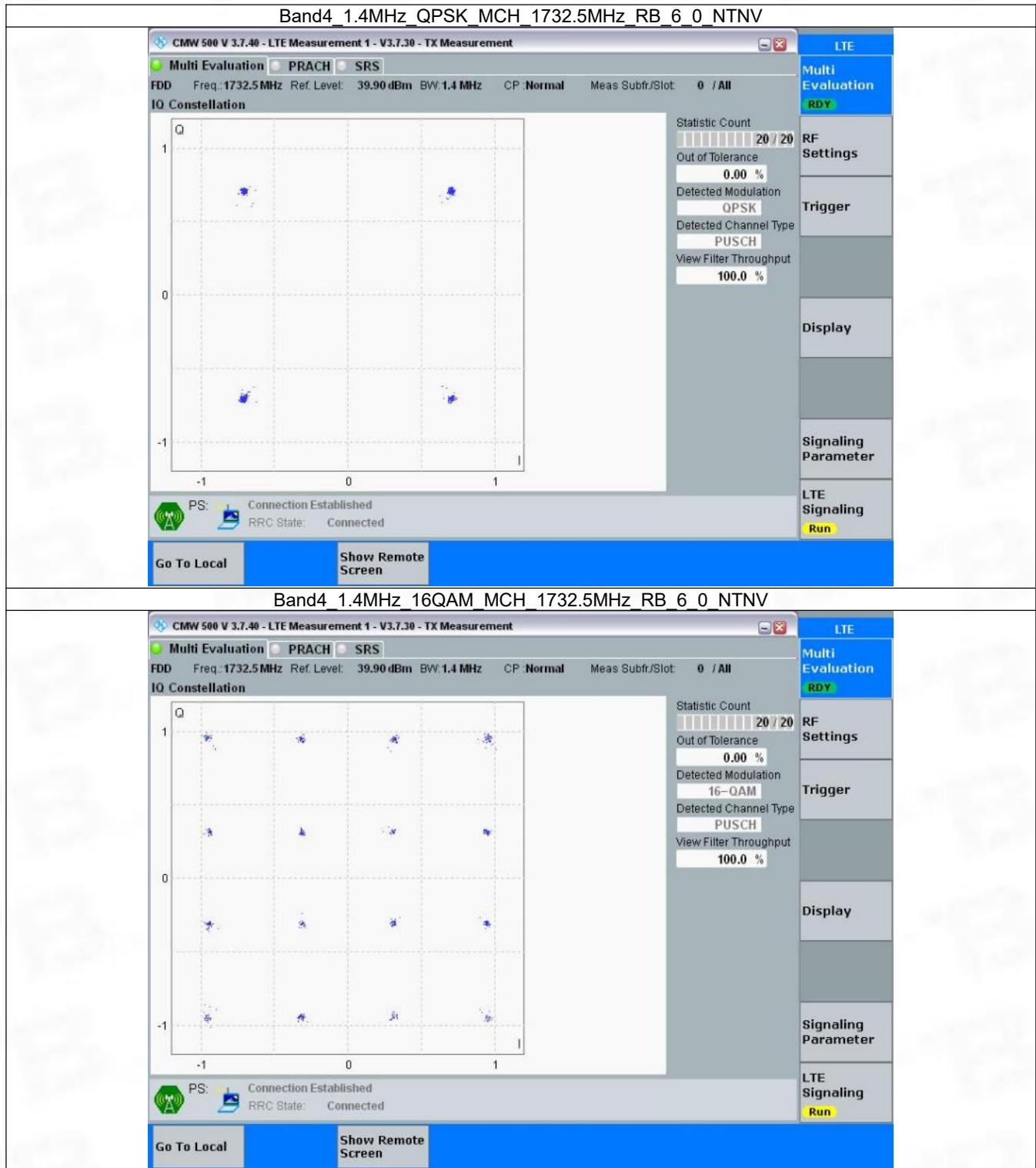
Band: 4 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.1.6 B4_20MHz

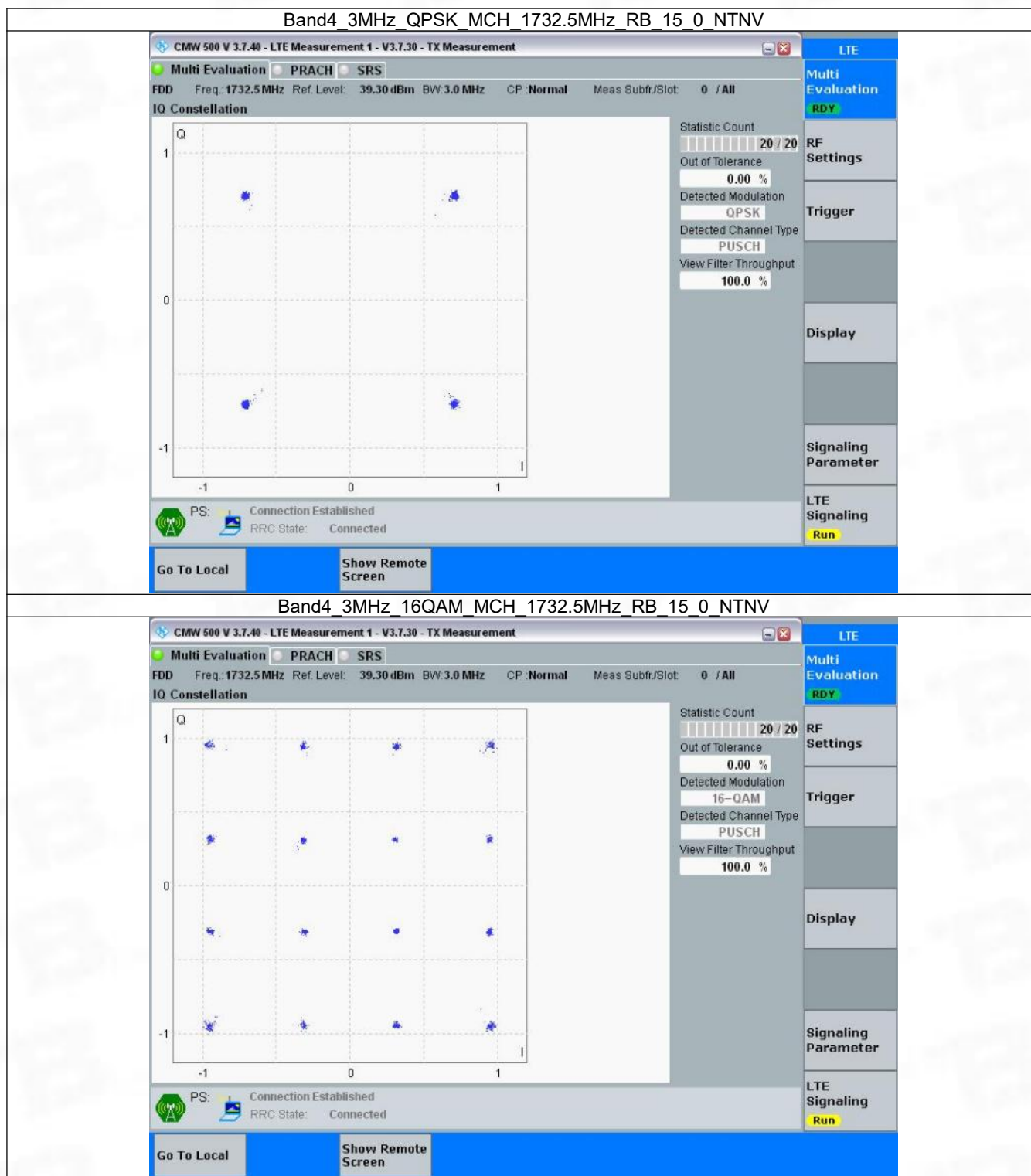
Band: 4 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	27	0	Refer To Test Graph		Pass

3.2 Test Graph

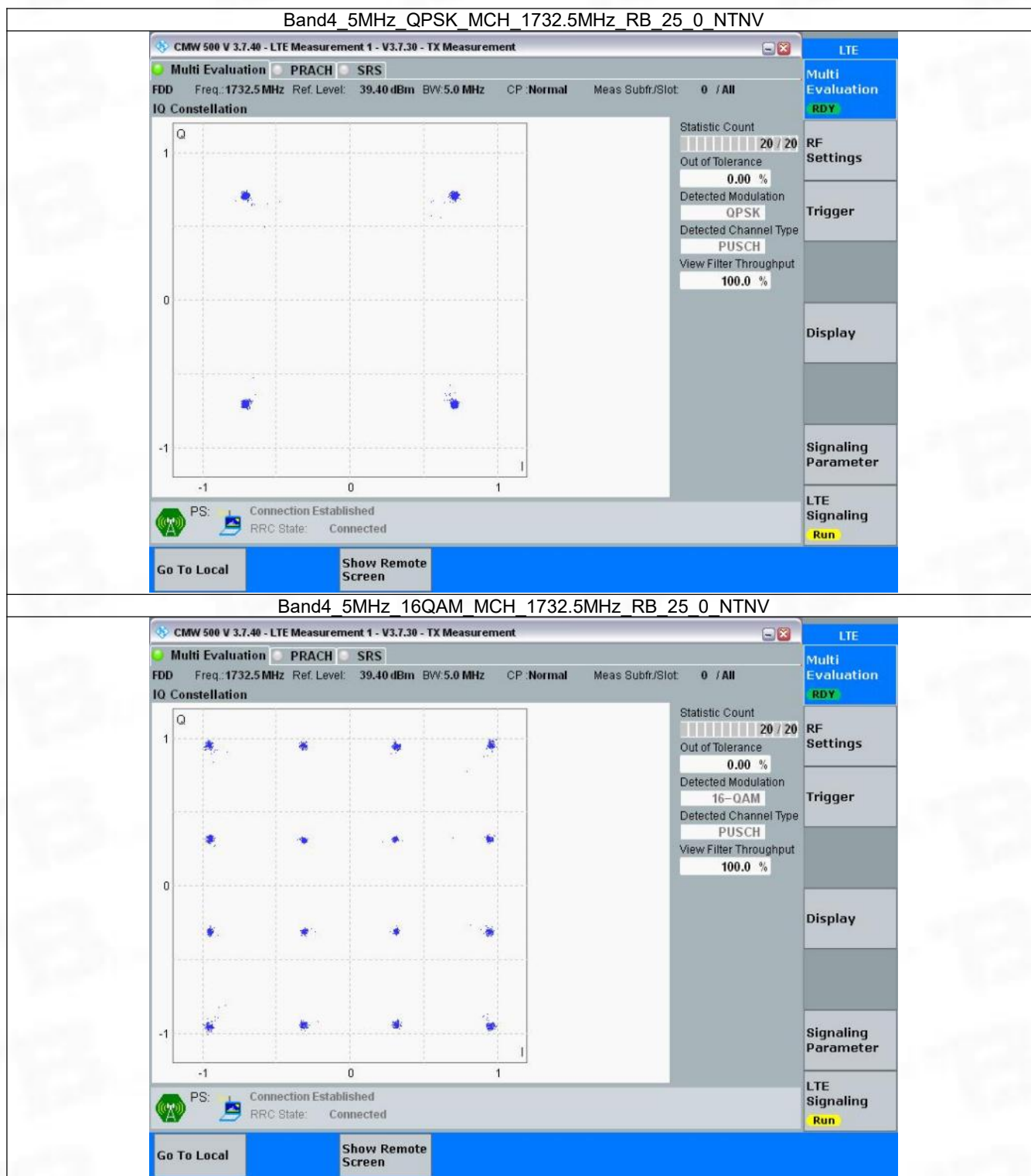
3.2.1 B4_1.4MHz



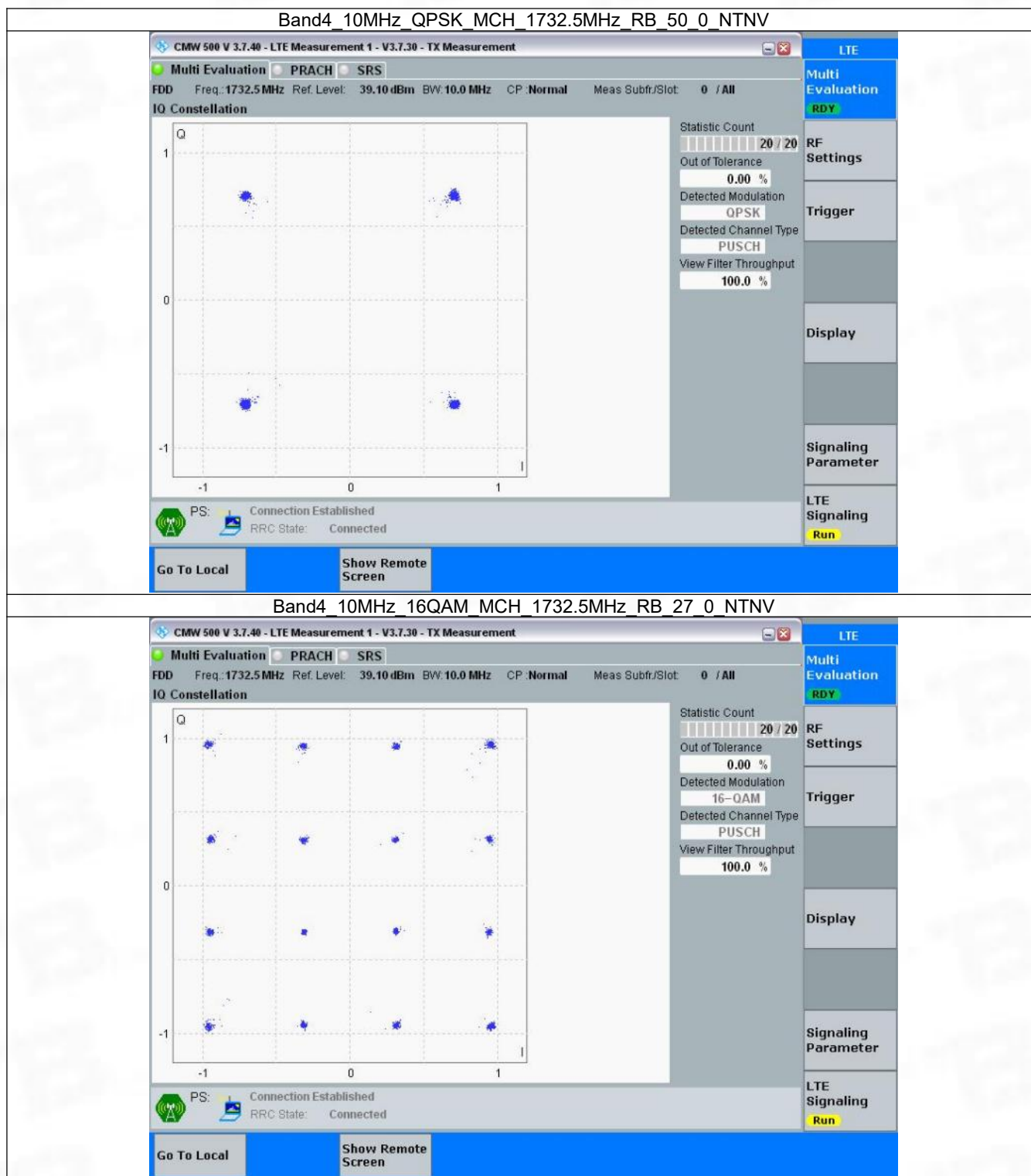
3.2.2 B4_3MHz



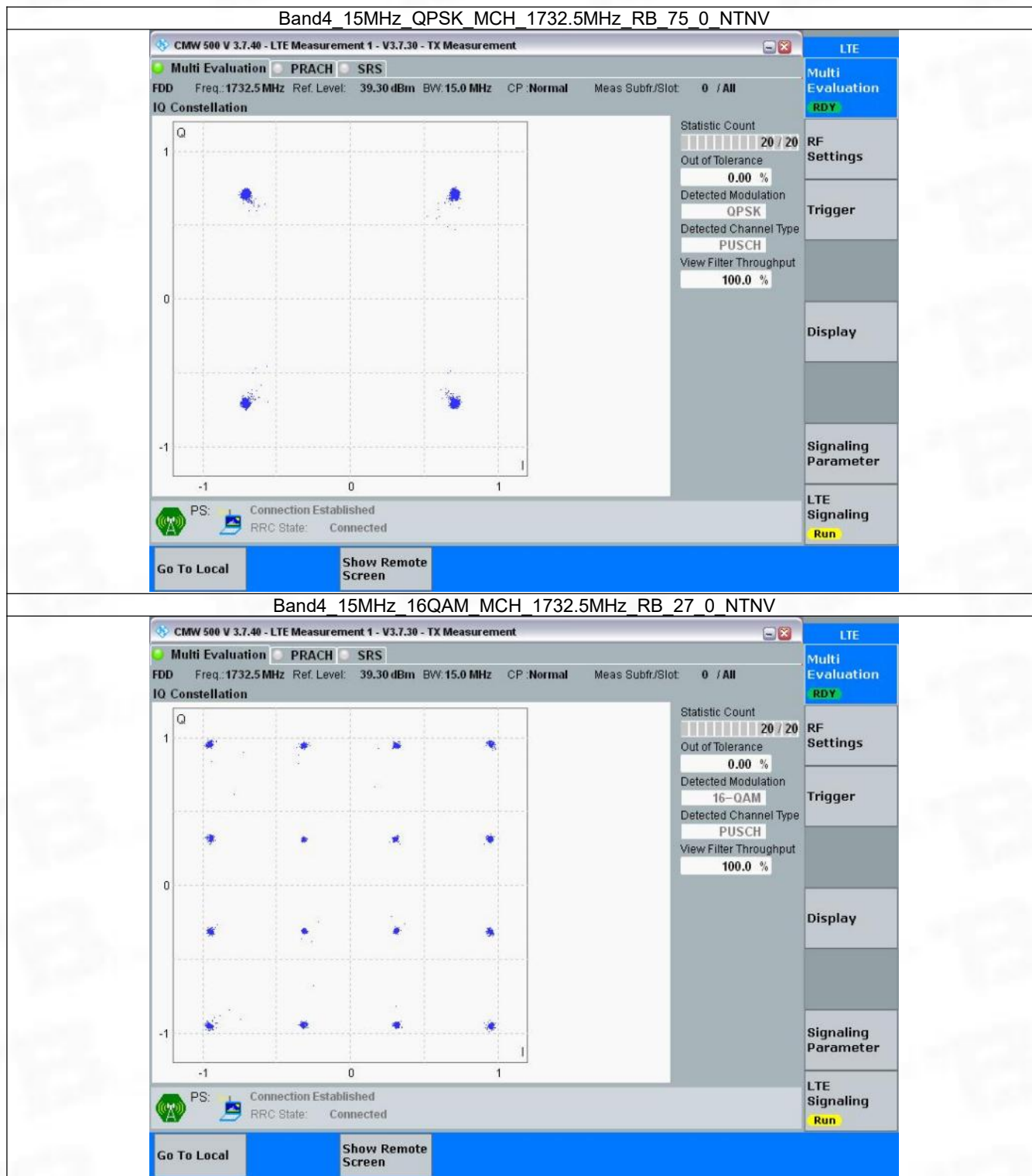
3.2.3 B4_5MHz



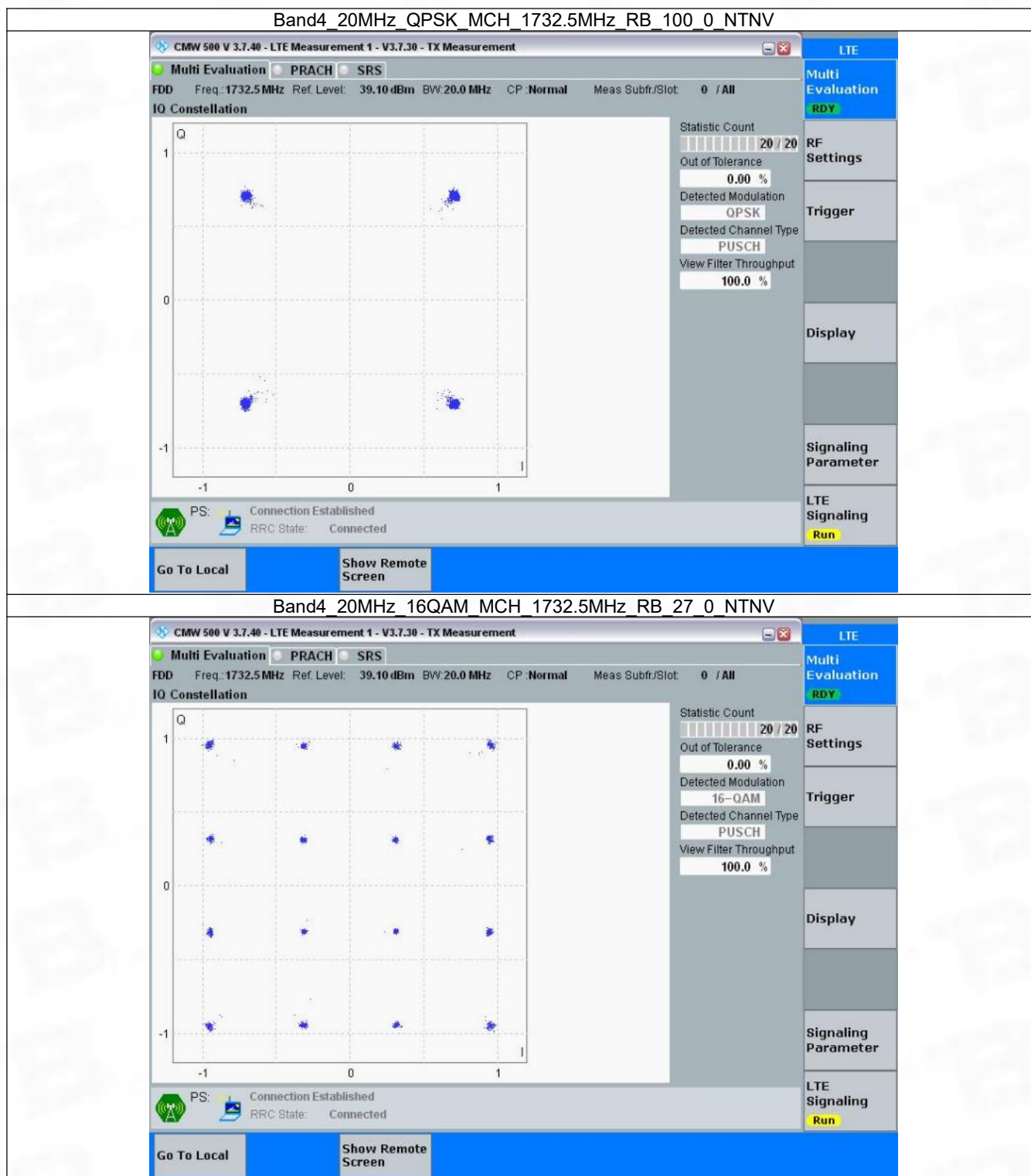
3.2.4 B4_10MHz



3.2.5 B4_15MHz



3.2.6 B4_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band4_OBW

Band: 4 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.083	/	Pass
		1732.5	6	0	1.086	/	Pass
		1754.3	6	0	1.087	/	Pass
	16QAM	1710.7	6	0	1.088	/	Pass
		1732.5	6	0	1.086	/	Pass
		1754.3	6	0	1.086	/	Pass
3	QPSK	1711.5	15	0	2.691	/	Pass
		1732.5	15	0	2.691	/	Pass
		1753.5	15	0	2.685	/	Pass
	16QAM	1711.5	15	0	2.684	/	Pass
		1732.5	15	0	2.688	/	Pass
		1753.5	15	0	2.688	/	Pass
5	QPSK	1712.5	25	0	4.501	/	Pass
		1732.5	25	0	4.525	/	Pass
		1752.5	25	0	4.540	/	Pass
	16QAM	1712.5	25	0	4.533	/	Pass
		1732.5	25	0	4.541	/	Pass
		1752.5	25	0	4.518	/	Pass
10	QPSK	1715	50	0	8.922	/	Pass
		1732.5	50	0	8.945	/	Pass
		1750	50	0	8.943	/	Pass
	16QAM	1715	27	0	4.915	/	Pass
		1732.5	27	0	4.901	/	Pass
		1750	27	23	4.884	/	Pass
15	QPSK	1717.5	75	0	13.367	/	Pass
		1732.5	75	0	13.423	/	Pass
		1747.5	75	0	13.333	/	Pass
	16QAM	1717.5	27	0	4.917	/	Pass
		1732.5	27	0	4.912	/	Pass
		1747.5	27	48	4.919	/	Pass
20	QPSK	1720	100	0	17.811	/	Pass
		1732.5	100	0	17.908	/	Pass
		1745	100	0	17.774	/	Pass
	16QAM	1720	27	0	4.917	/	Pass
		1732.5	27	0	4.914	/	Pass
		1745	27	73	4.912	/	Pass

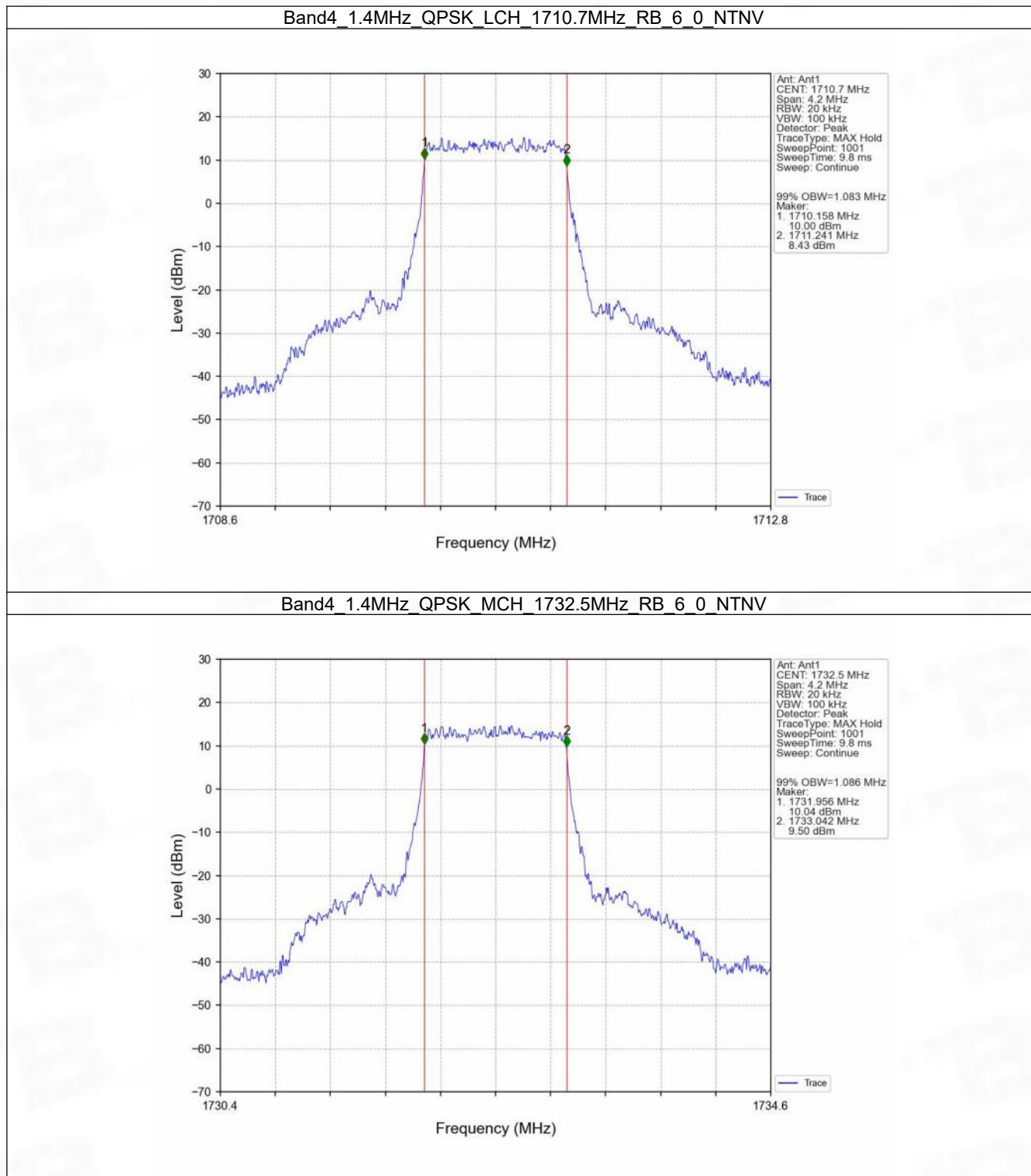
4.1.2 Band4_XDB

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	1.278	/	Pass
		1732.5	6	0	1.273	/	Pass
		1754.3	6	0	1.263	/	Pass

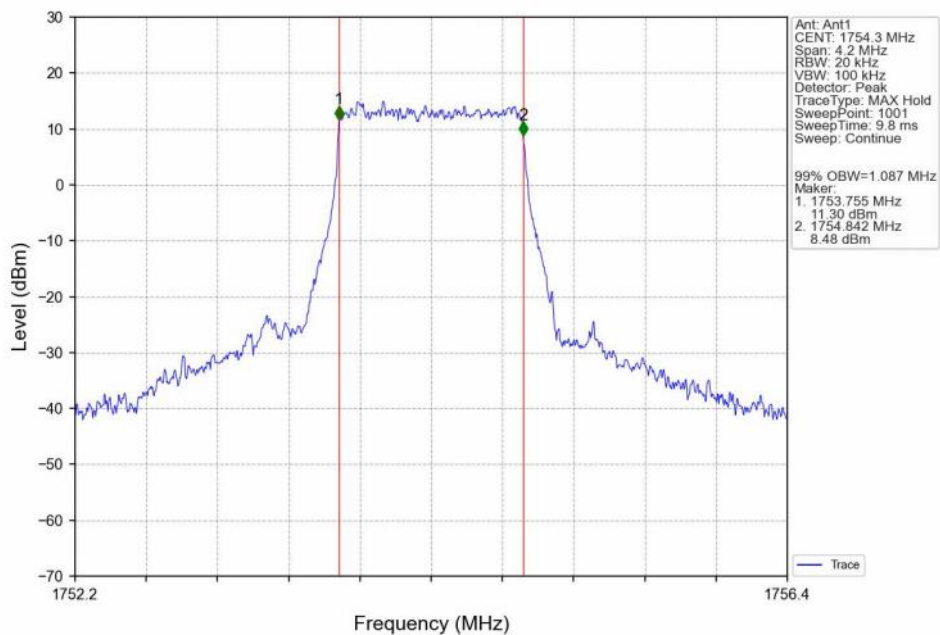
	16QAM	1710.7	6	0	1.265	/	Pass
		1732.5	6	0	1.258	/	Pass
		1754.3	6	0	1.271	/	Pass
3	QPSK	1711.5	15	0	2.936	/	Pass
		1732.5	15	0	2.946	/	Pass
		1753.5	15	0	2.910	/	Pass
	16QAM	1711.5	15	0	2.927	/	Pass
		1732.5	15	0	2.939	/	Pass
		1753.5	15	0	2.937	/	Pass
5	QPSK	1712.5	25	0	4.977	/	Pass
		1732.5	25	0	5.003	/	Pass
		1752.5	25	0	5.011	/	Pass
	16QAM	1712.5	25	0	5.019	/	Pass
		1732.5	25	0	5.023	/	Pass
		1752.5	25	0	4.993	/	Pass
10	QPSK	1715	50	0	9.611	/	Pass
		1732.5	50	0	9.668	/	Pass
		1750	50	0	9.693	/	Pass
	16QAM	1715	27	0	5.663	/	Pass
		1732.5	27	0	5.607	/	Pass
		1750	27	23	5.584	/	Pass
15	QPSK	1717.5	75	0	14.401	/	Pass
		1732.5	75	0	14.648	/	Pass
		1747.5	75	0	14.405	/	Pass
	16QAM	1717.5	27	0	5.701	/	Pass
		1732.5	27	0	5.653	/	Pass
		1747.5	27	48	5.525	/	Pass
20	QPSK	1720	100	0	19.264	/	Pass
		1732.5	100	0	19.103	/	Pass
		1745	100	0	19.032	/	Pass
	16QAM	1720	27	0	5.779	/	Pass
		1732.5	27	0	5.707	/	Pass
		1745	27	73	5.749	/	Pass

4.2 Test Graph

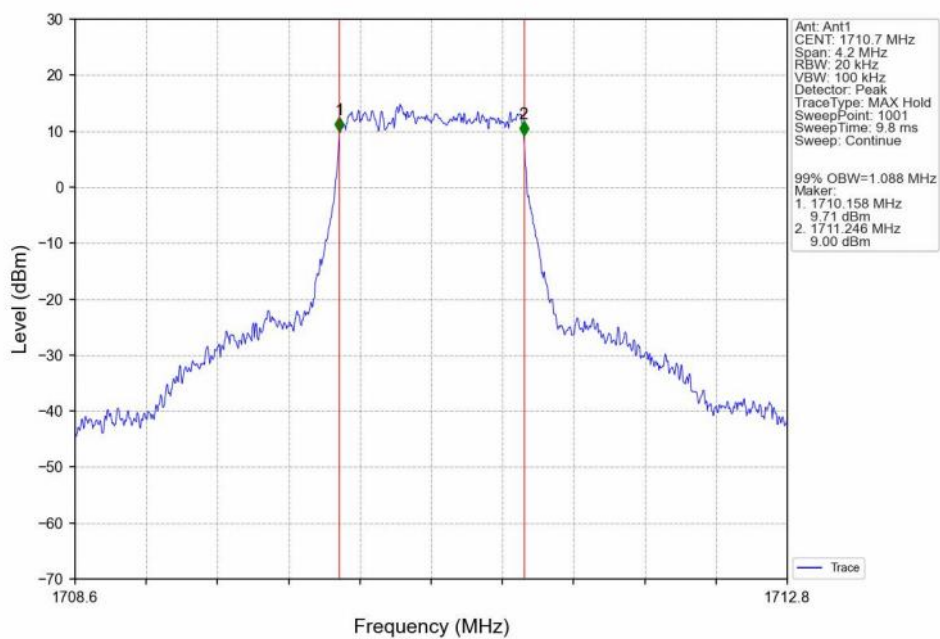
4.2.1 Band4_OBW



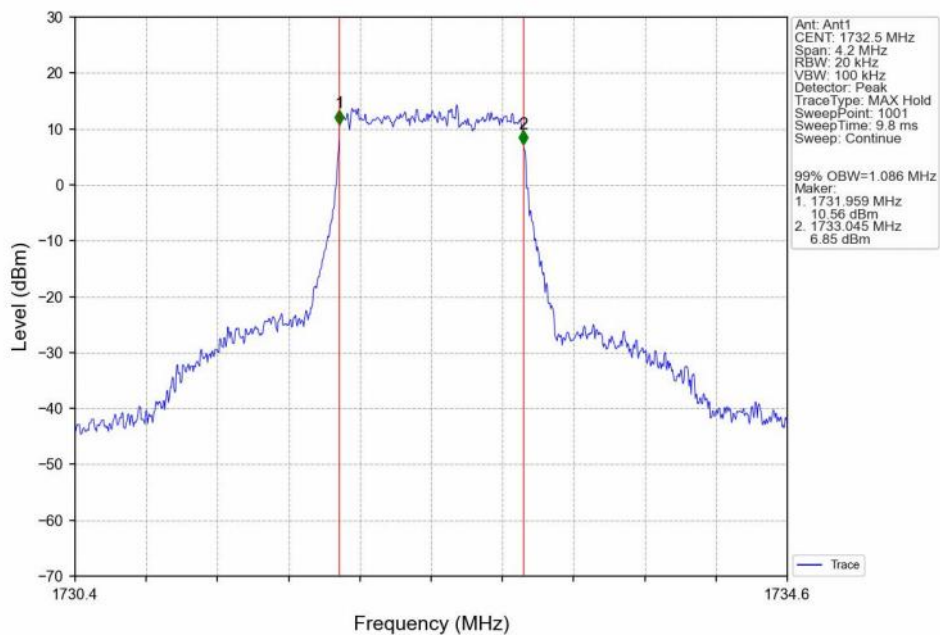
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



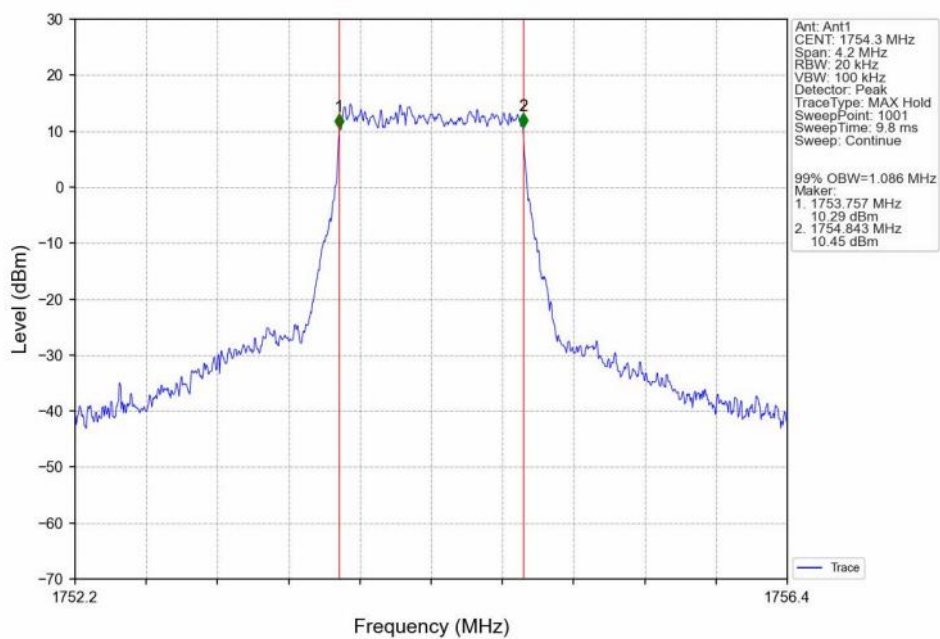
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



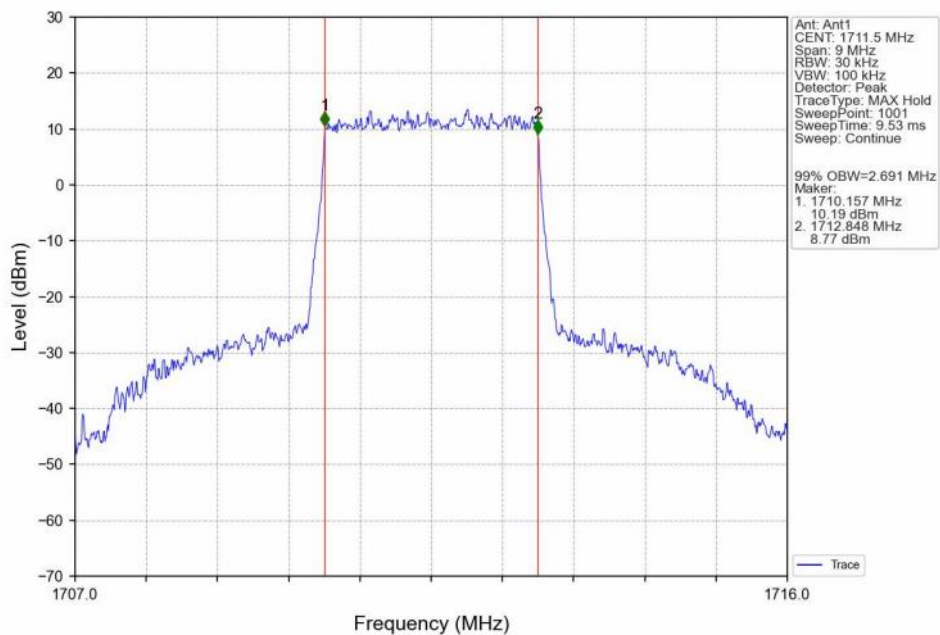
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



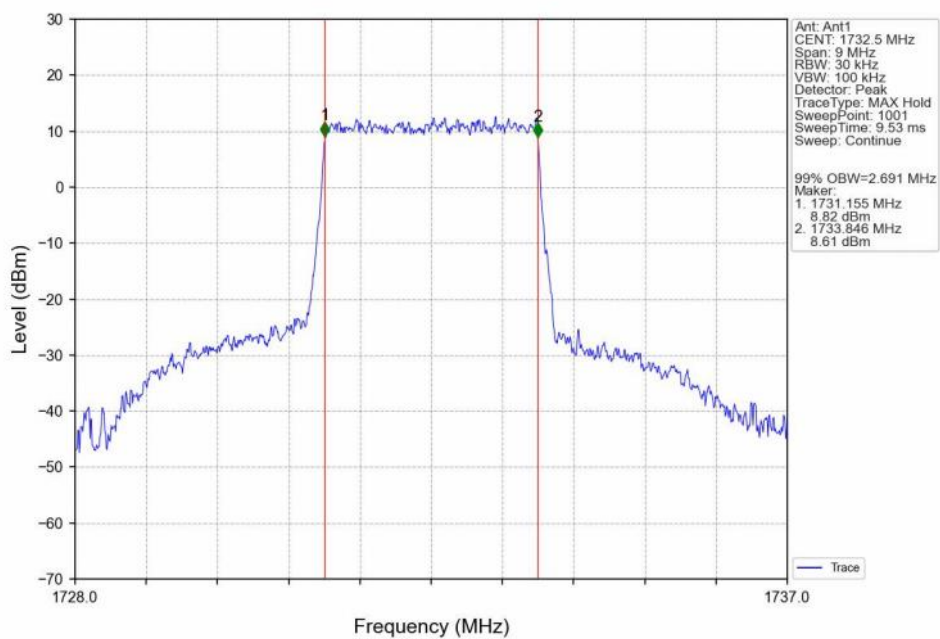
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



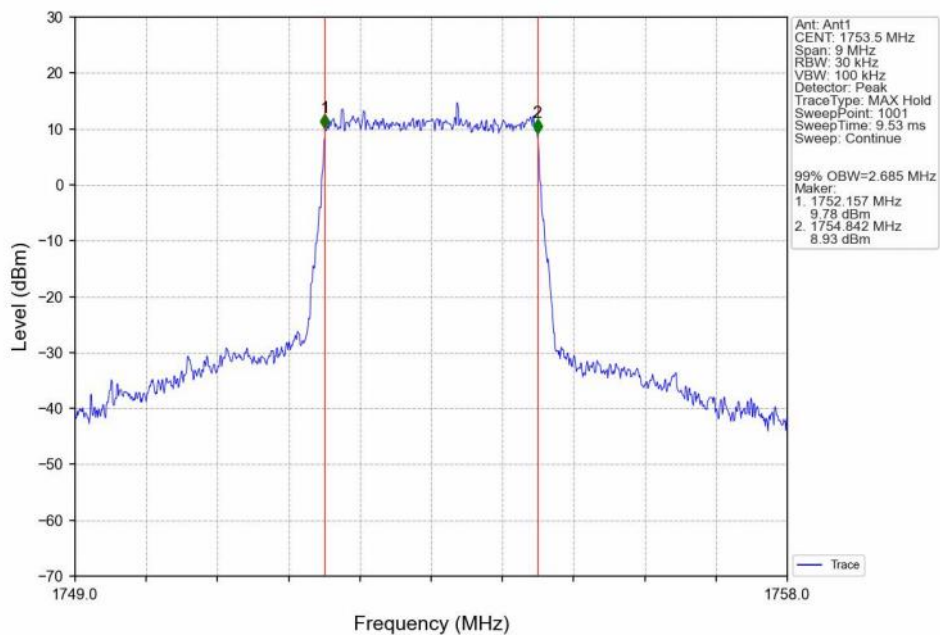
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



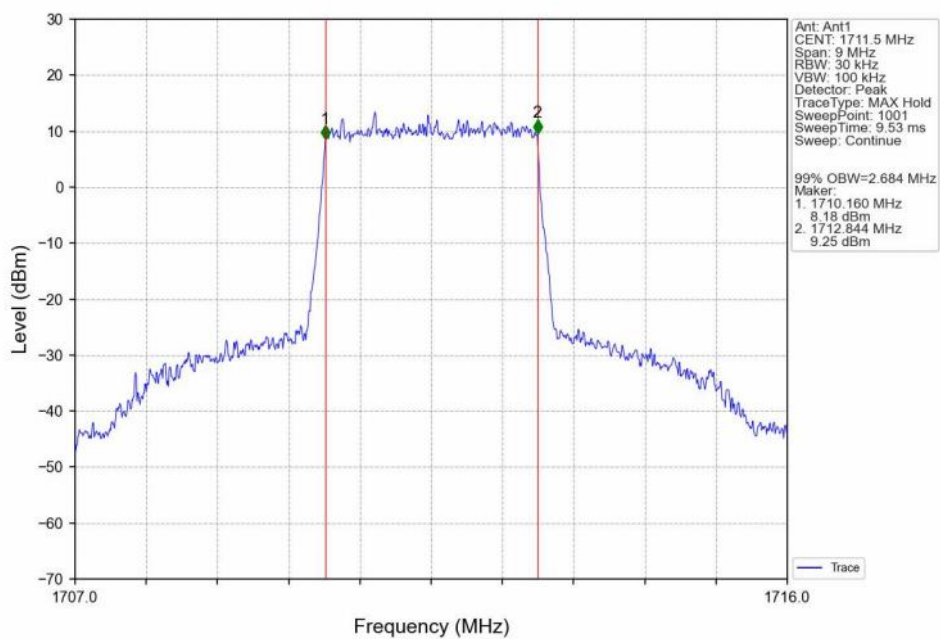
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



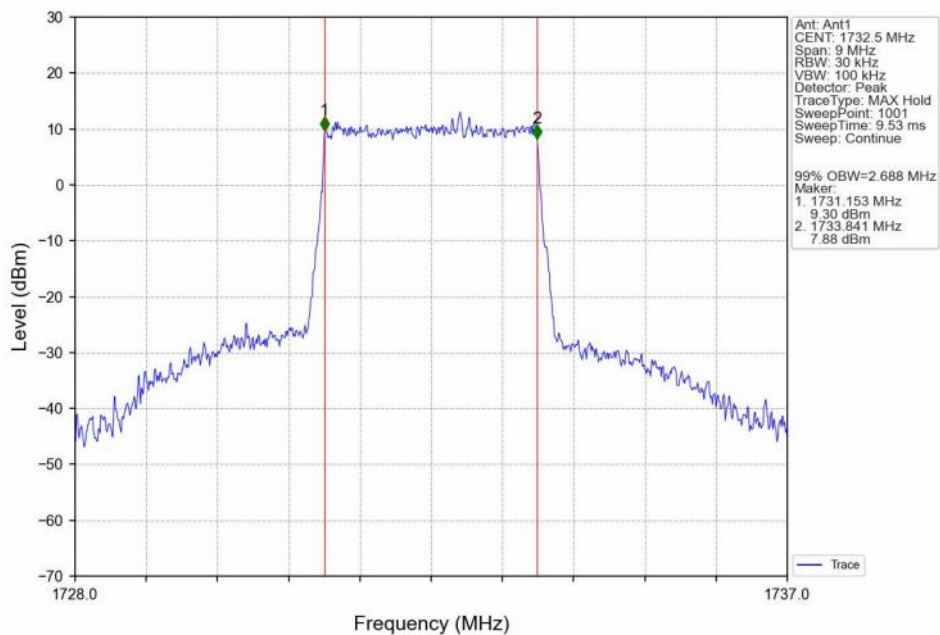
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



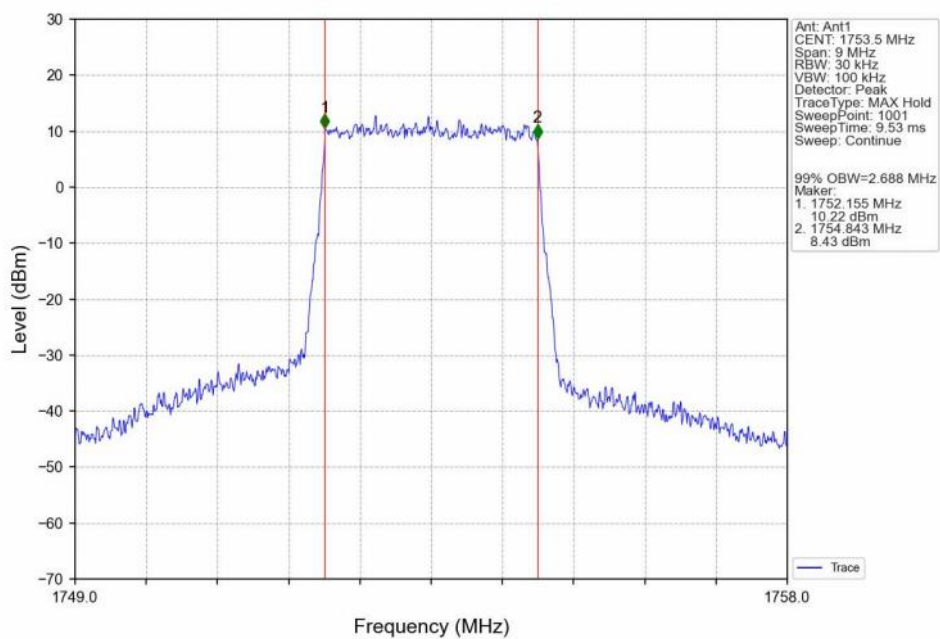
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



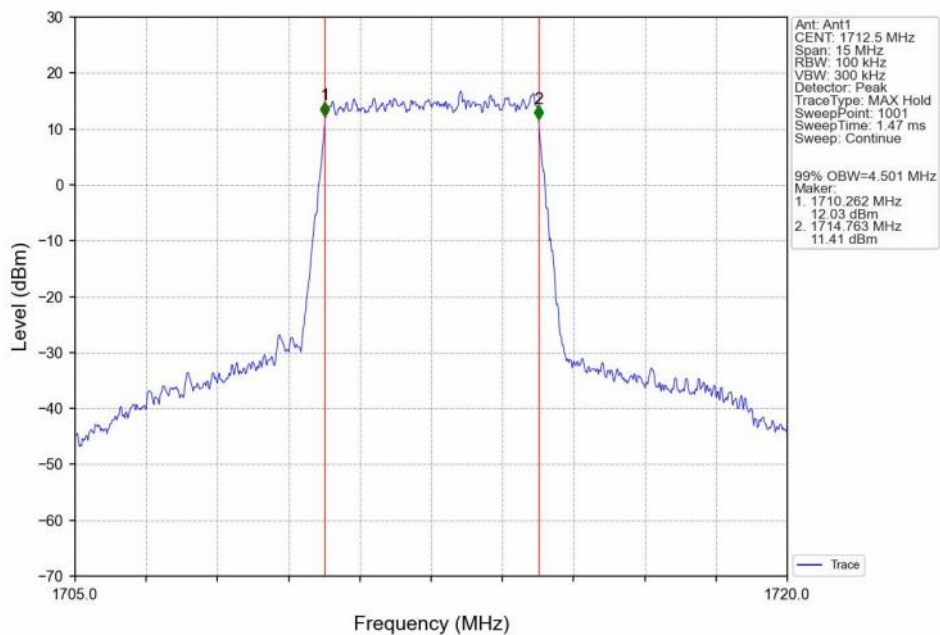
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



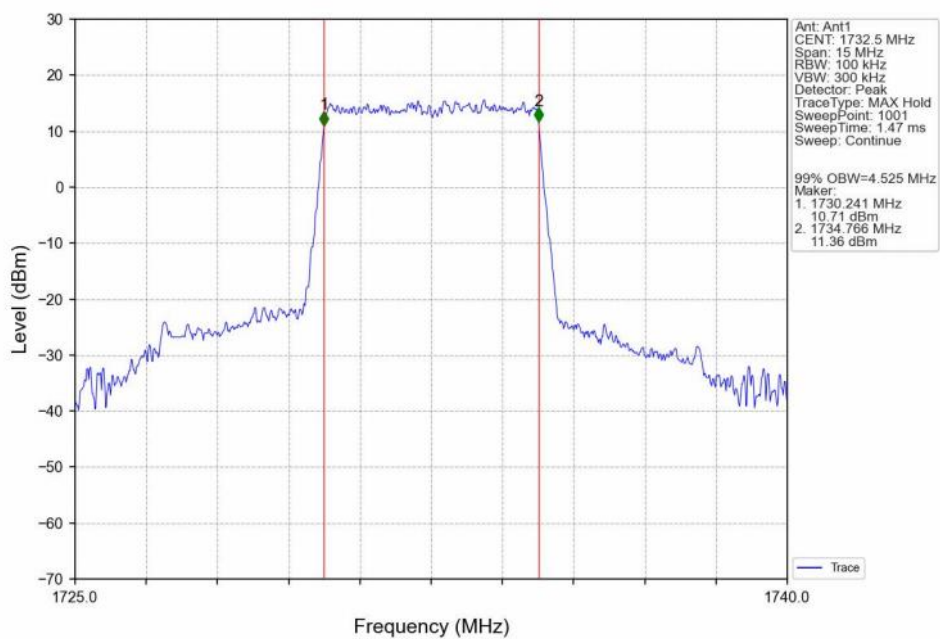
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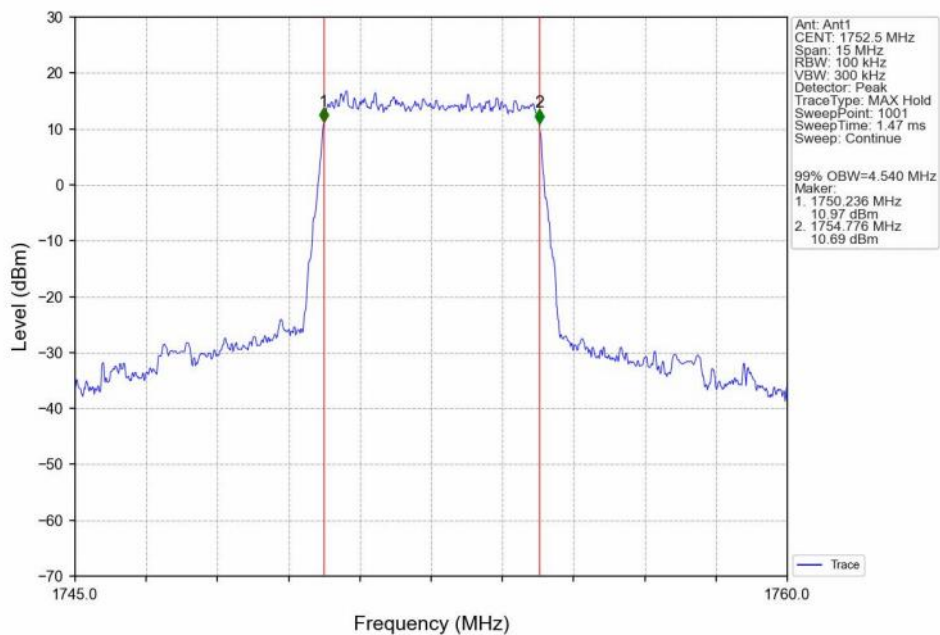
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



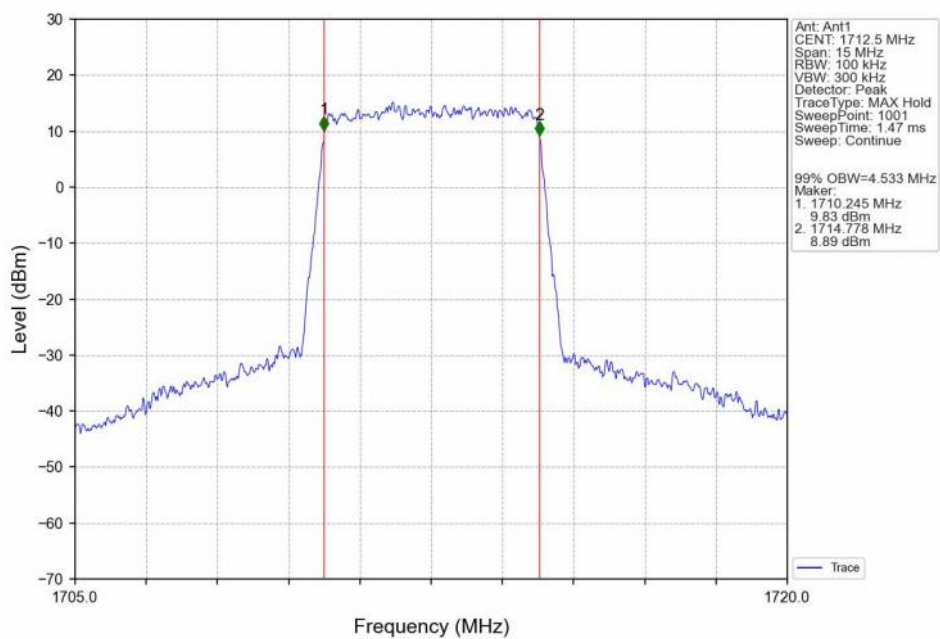
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



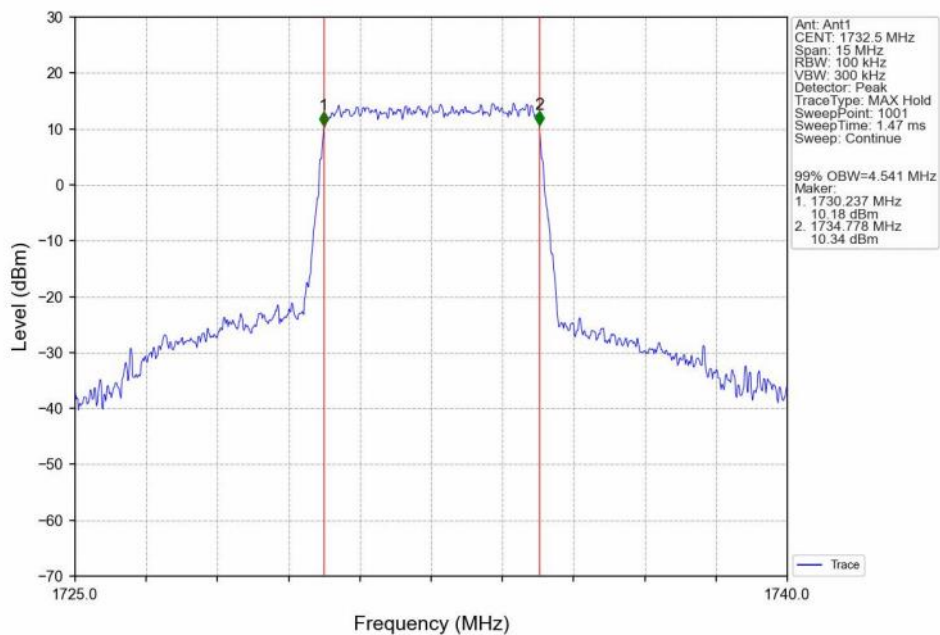
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



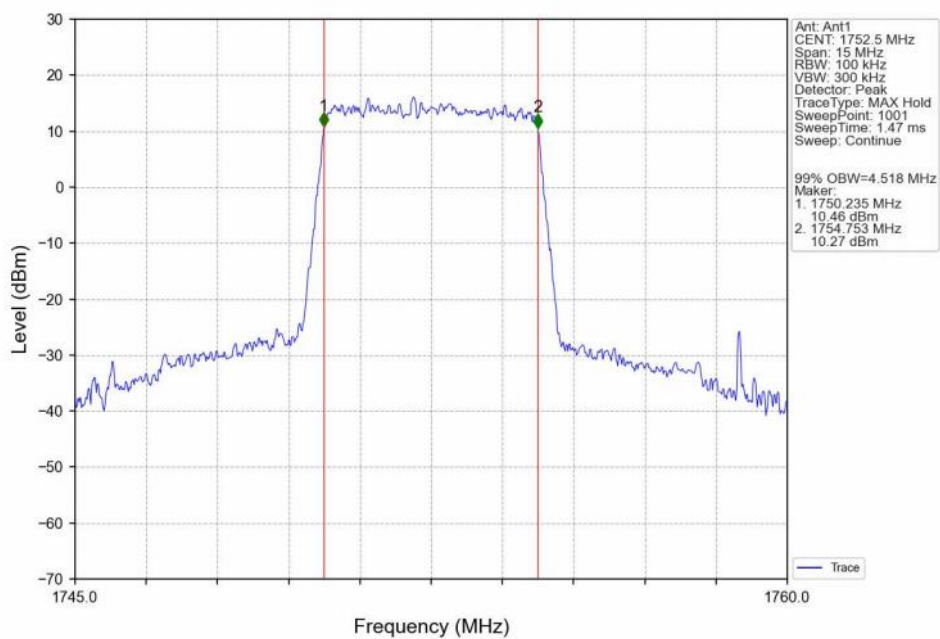
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



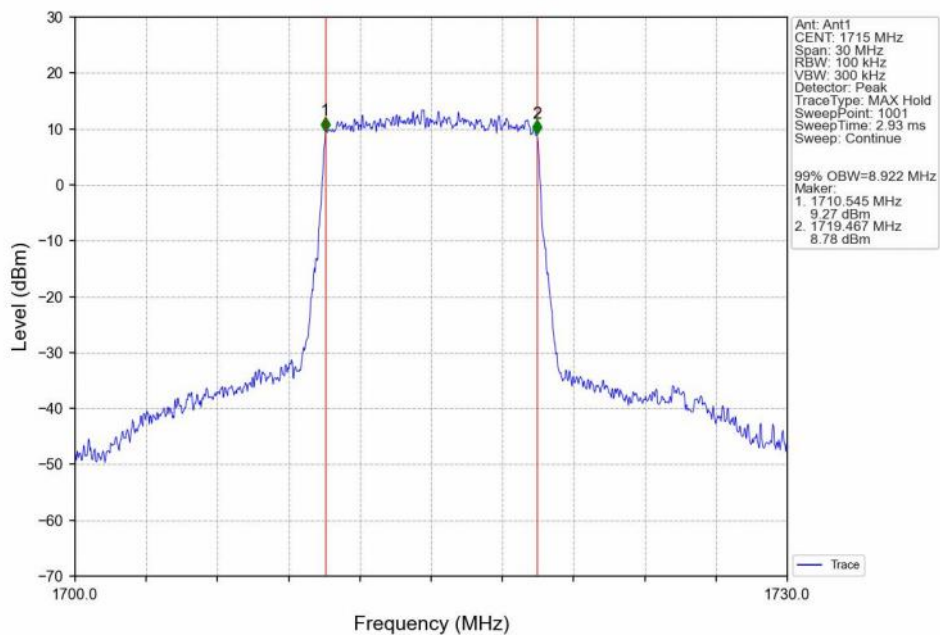
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



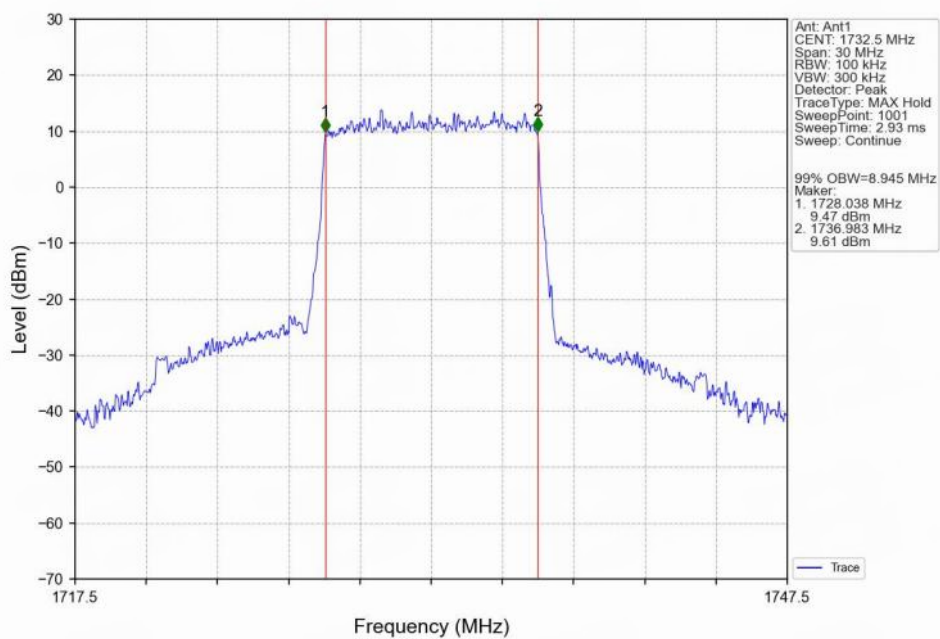
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



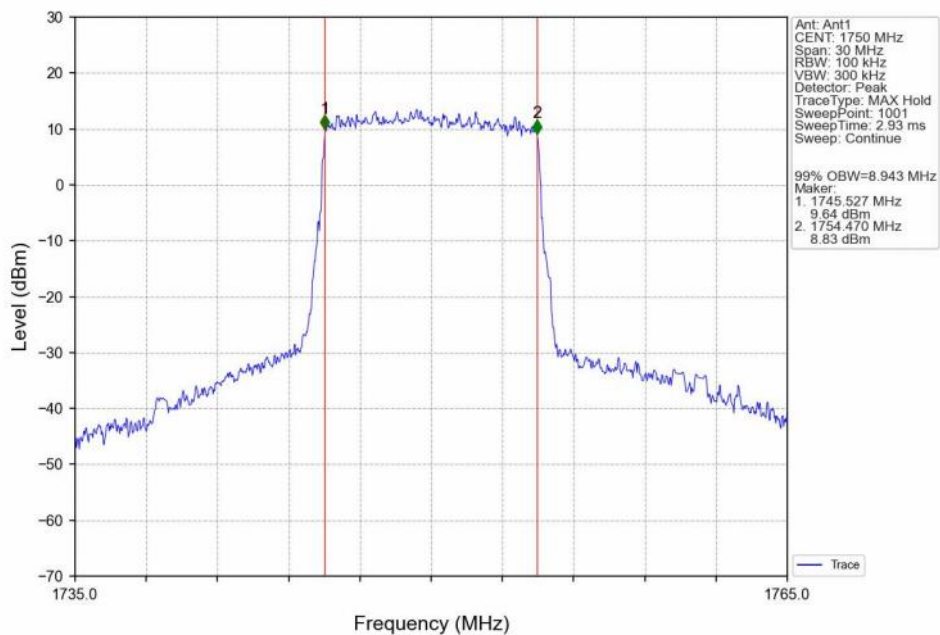
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



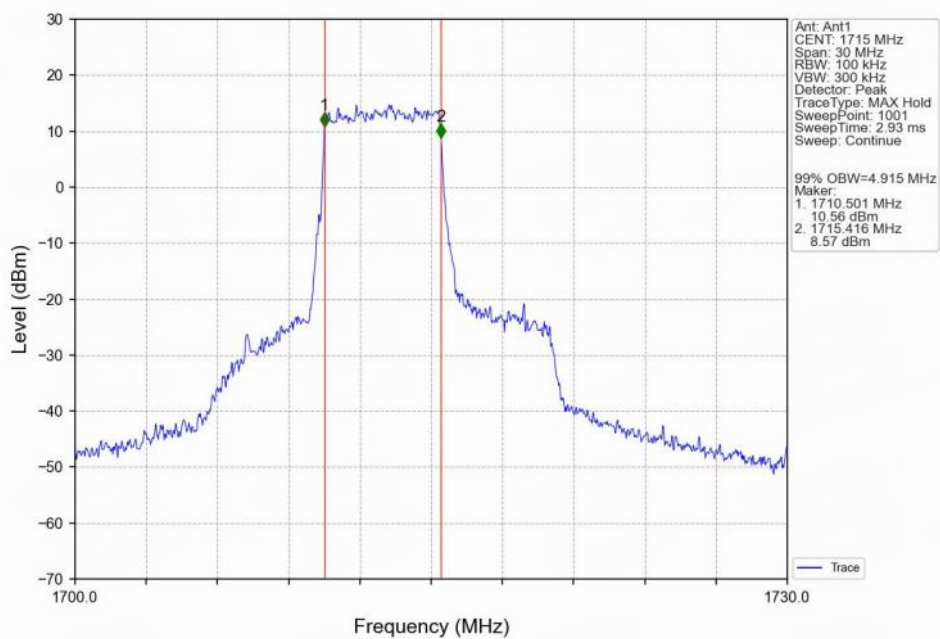
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



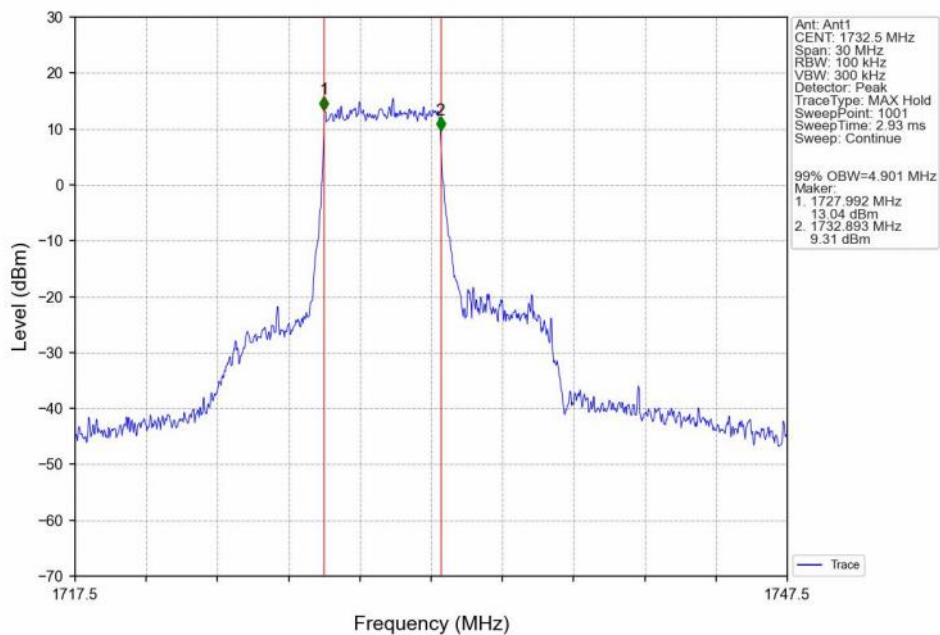
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



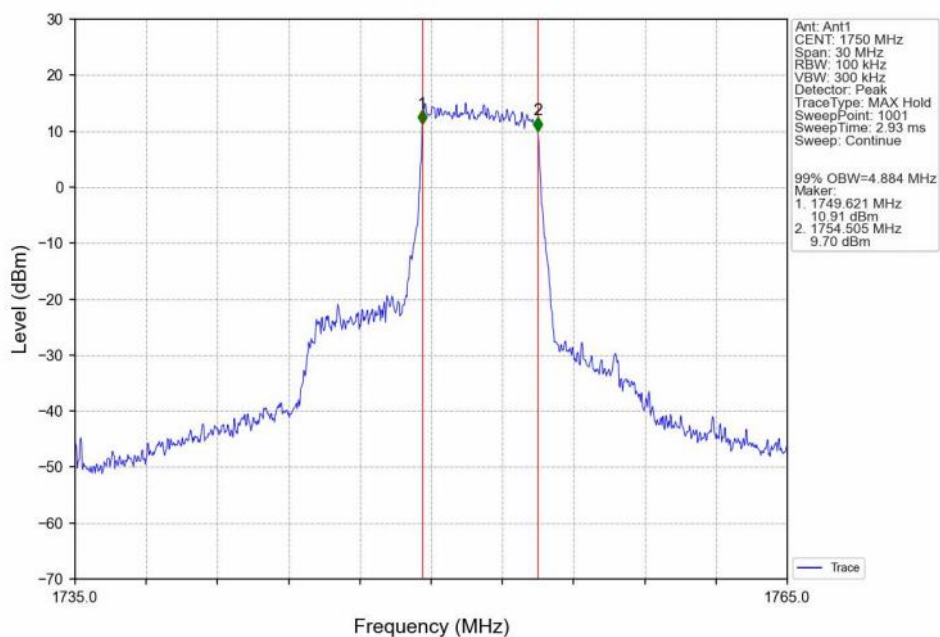
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



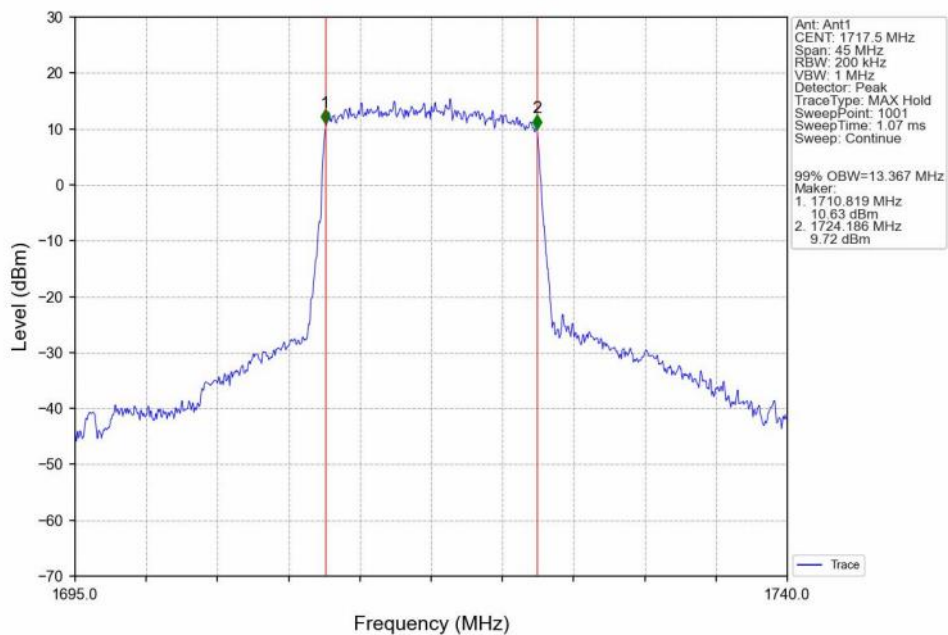
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



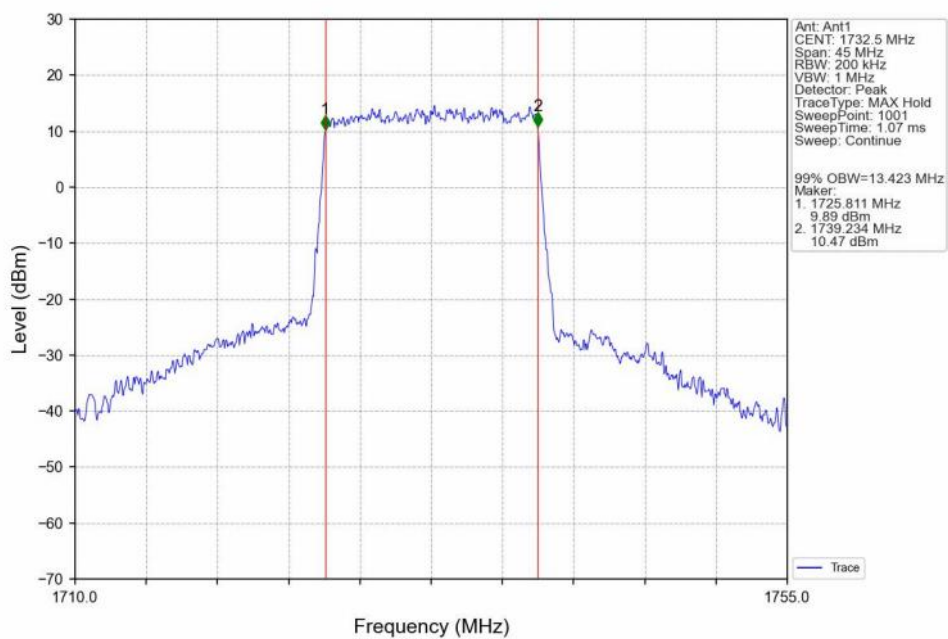
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



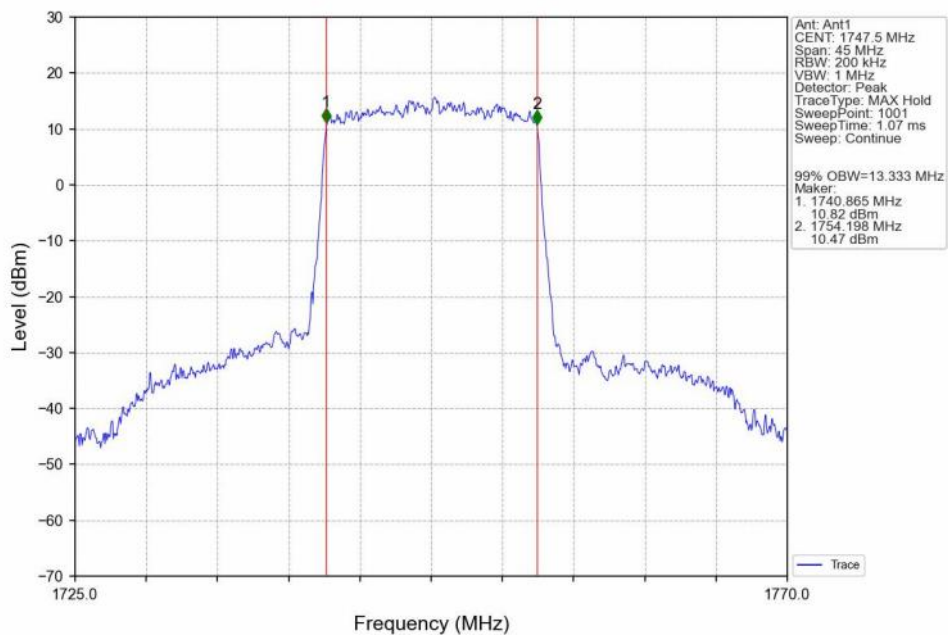
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



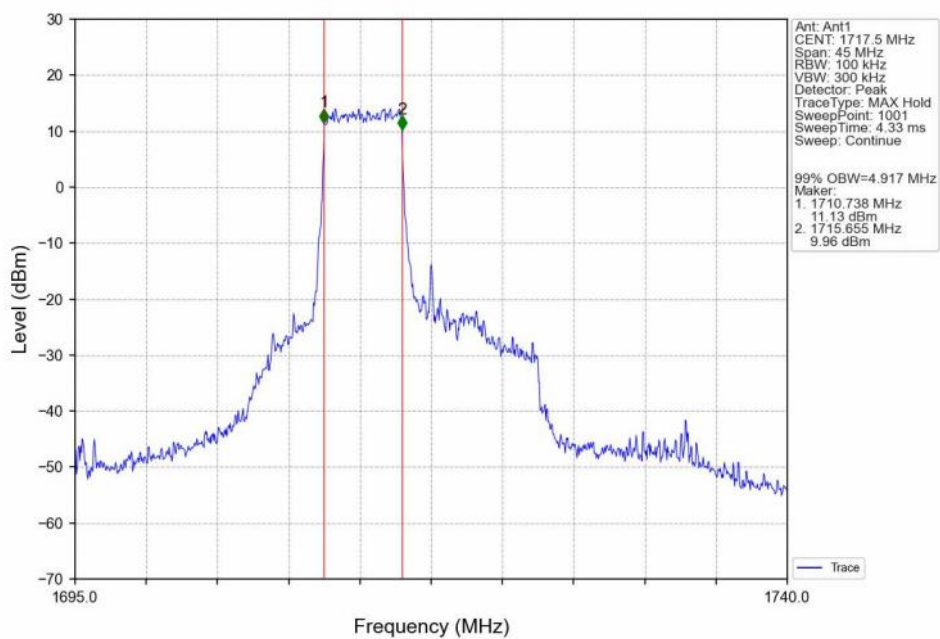
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



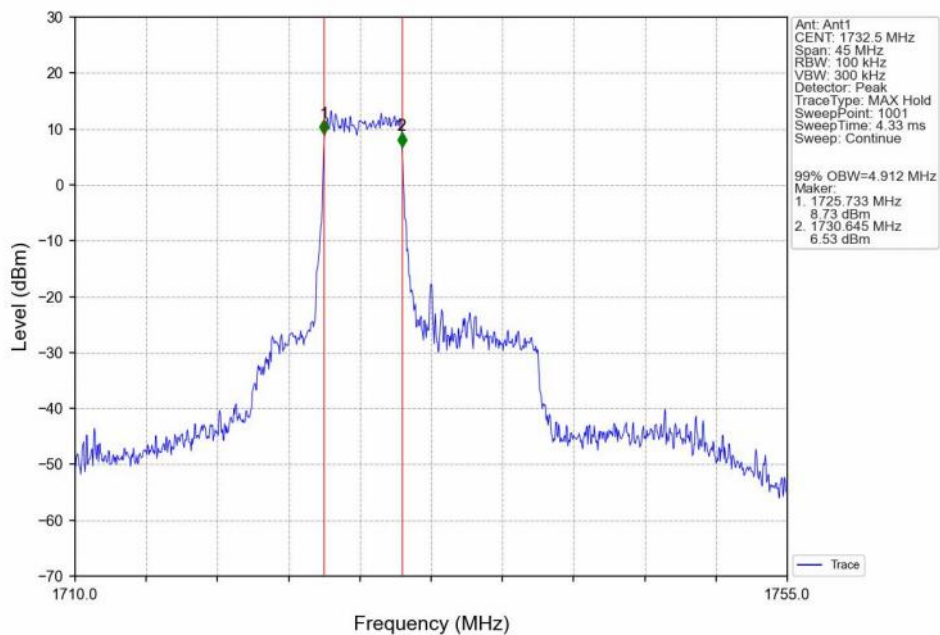
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



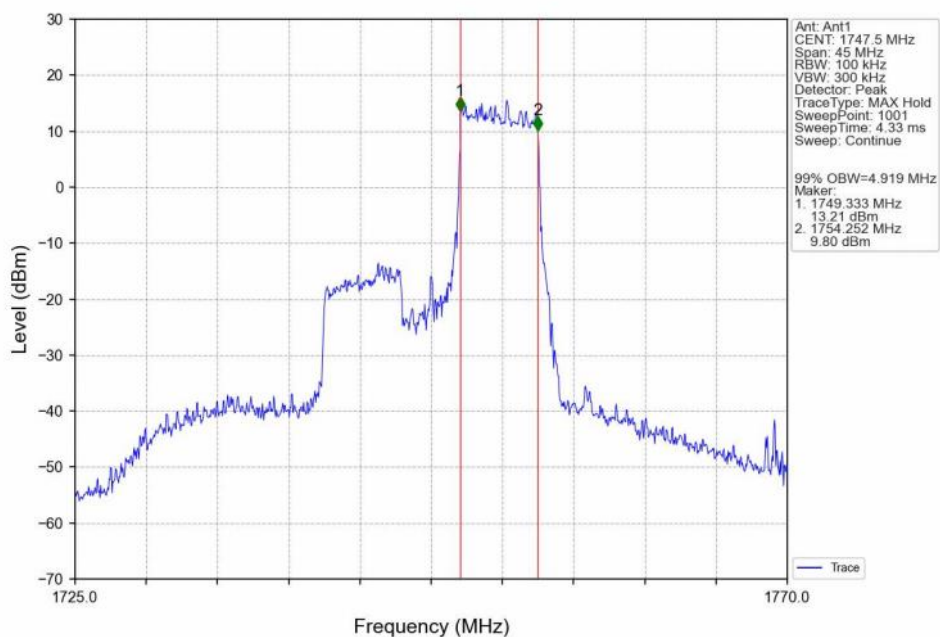
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



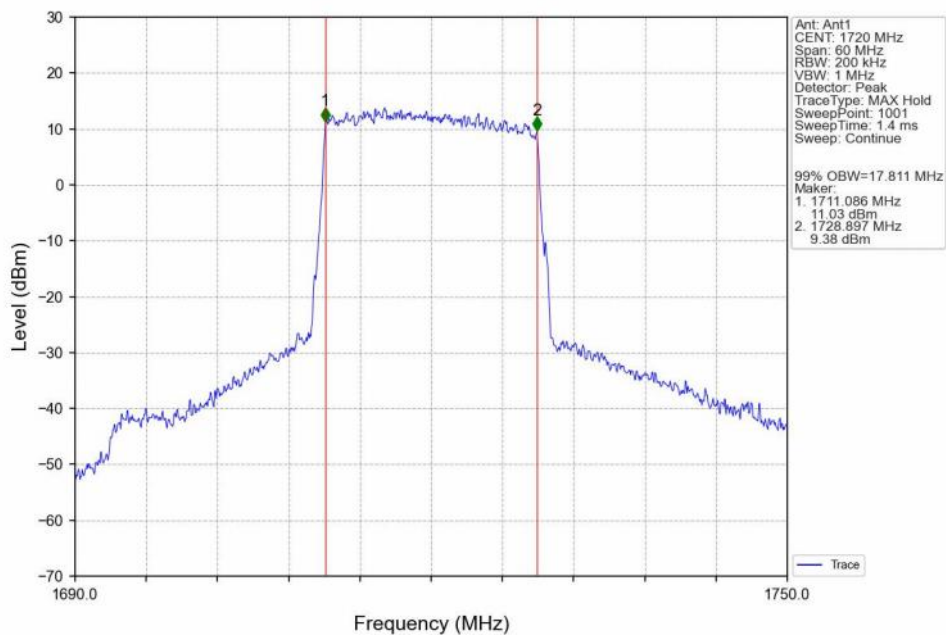
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



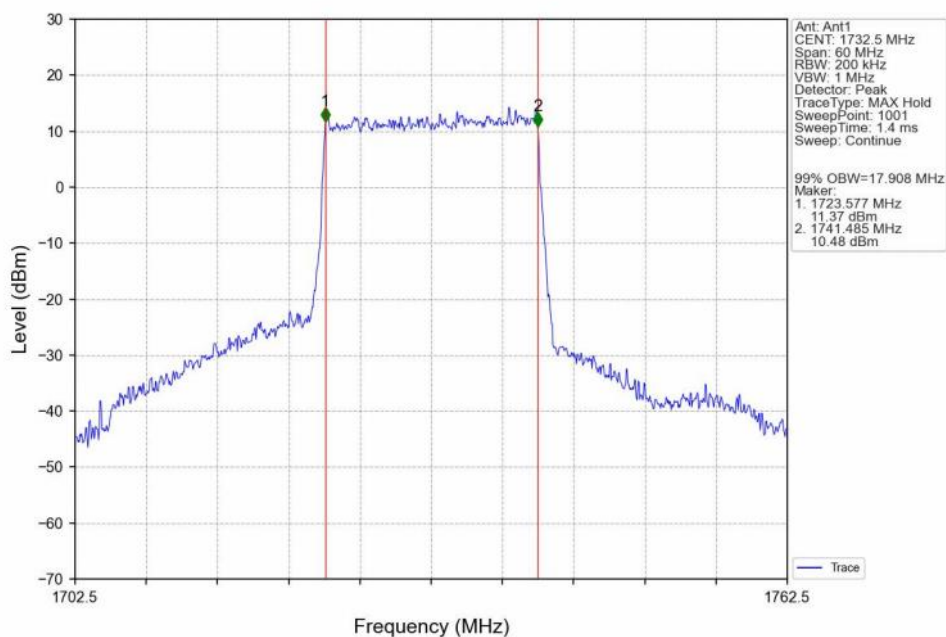
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



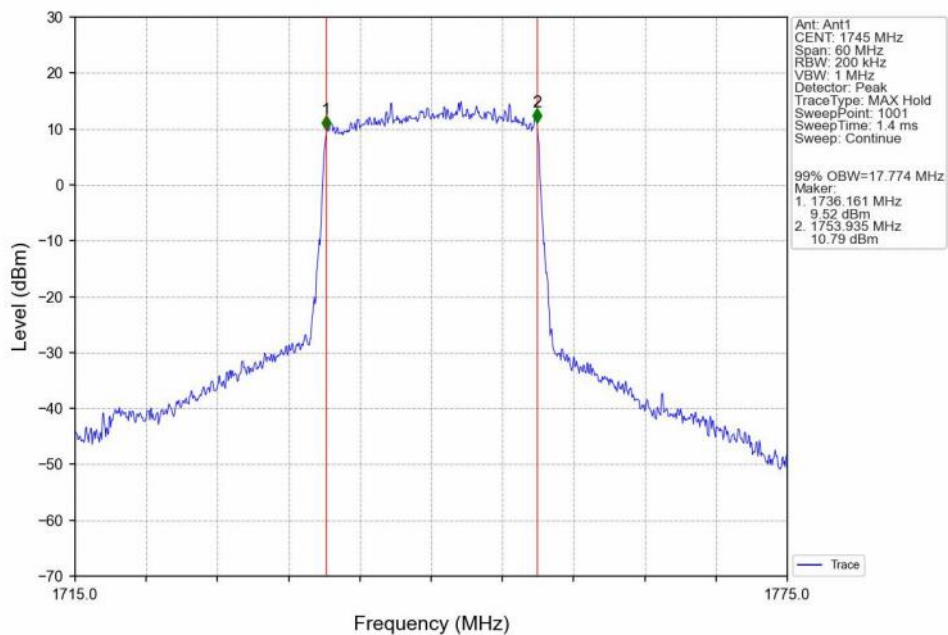
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



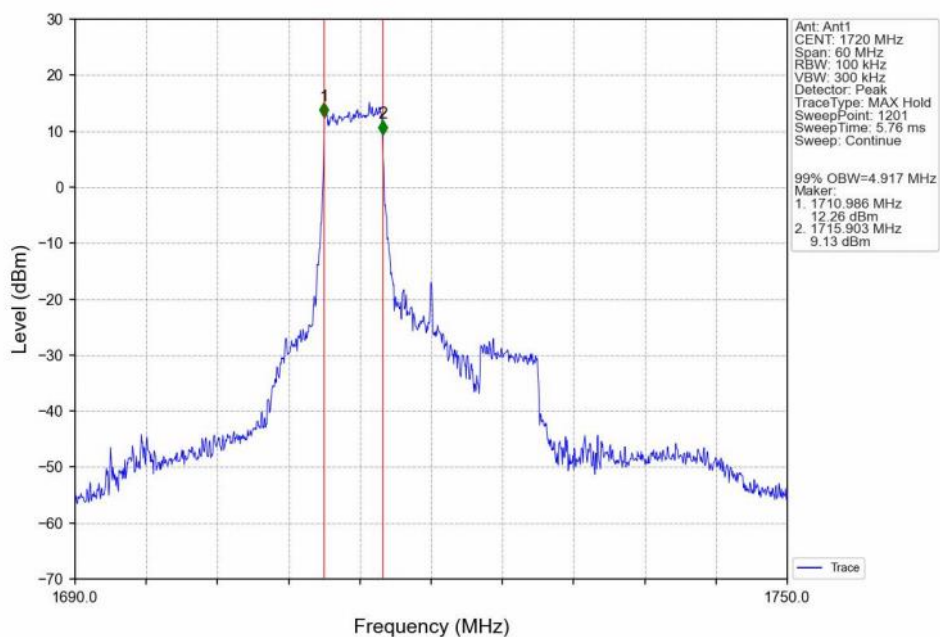
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



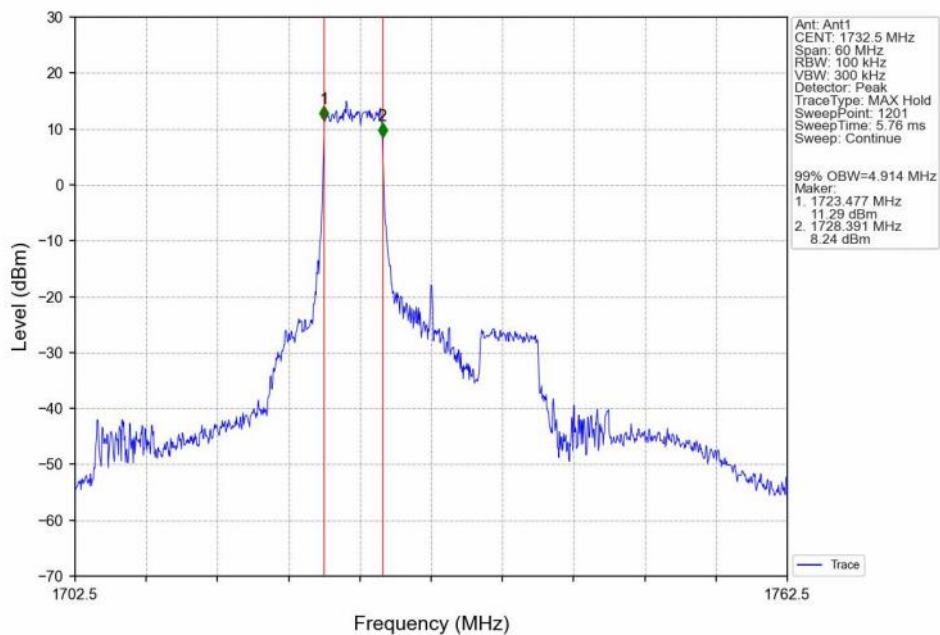
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



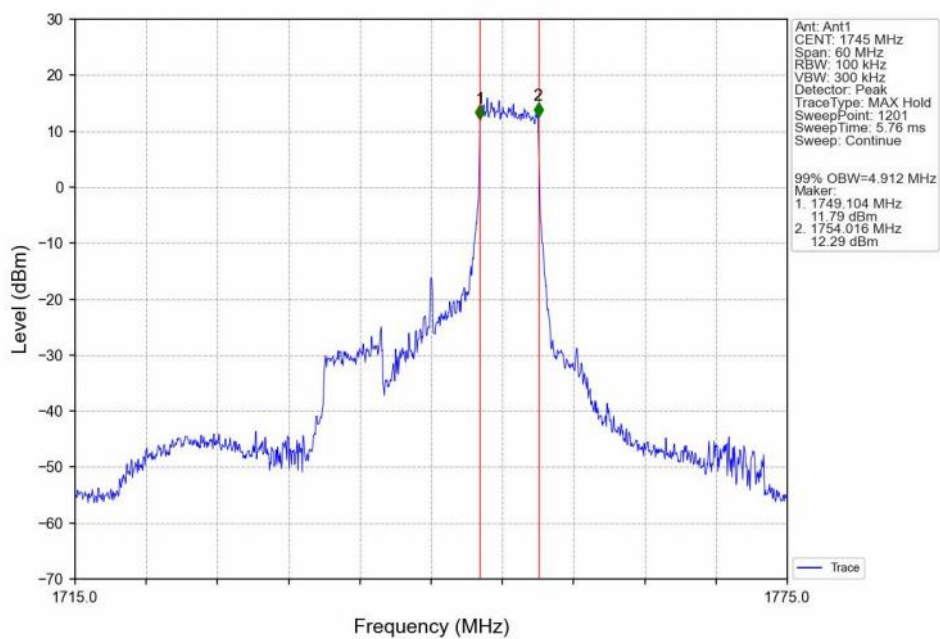
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



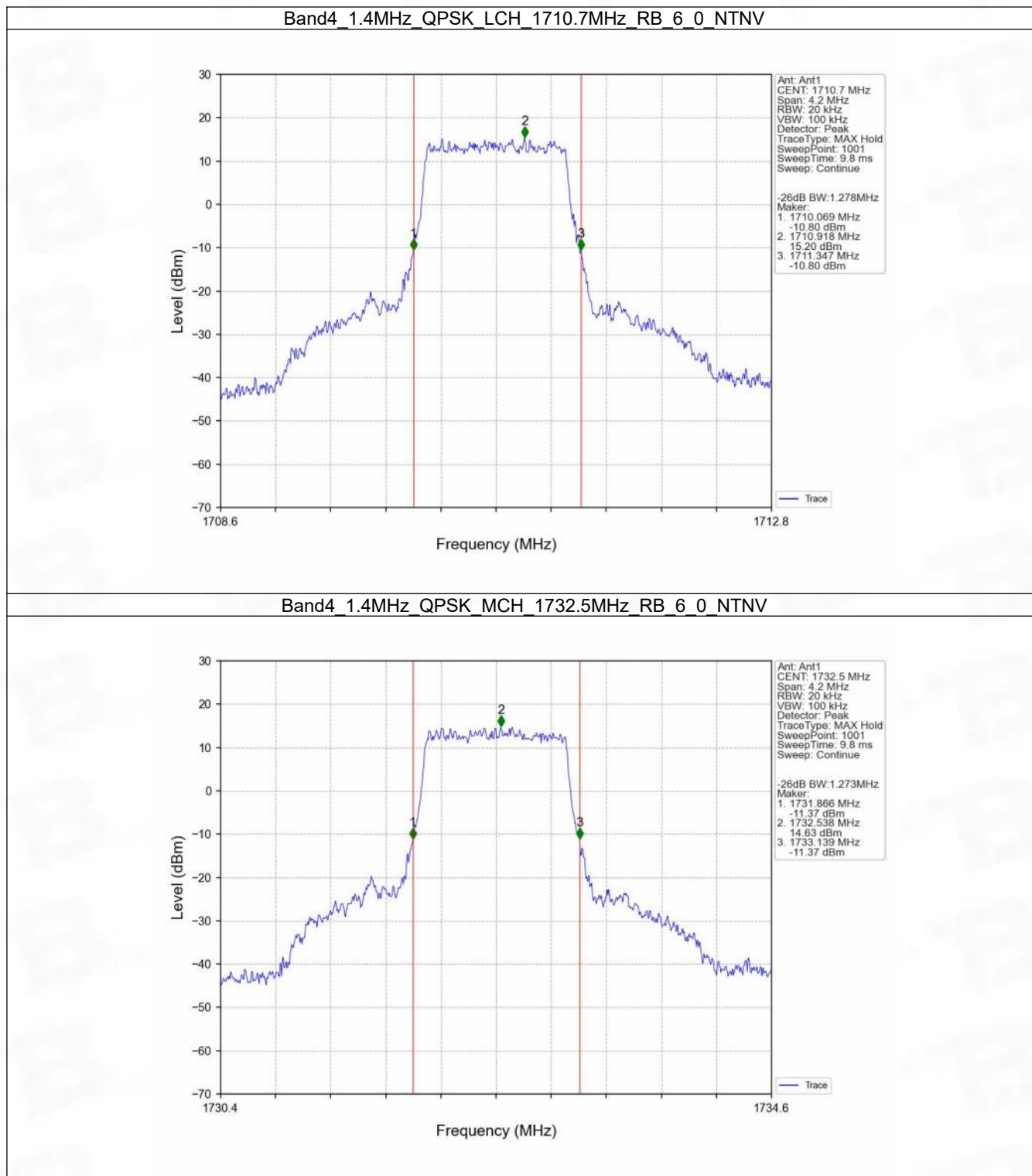
Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



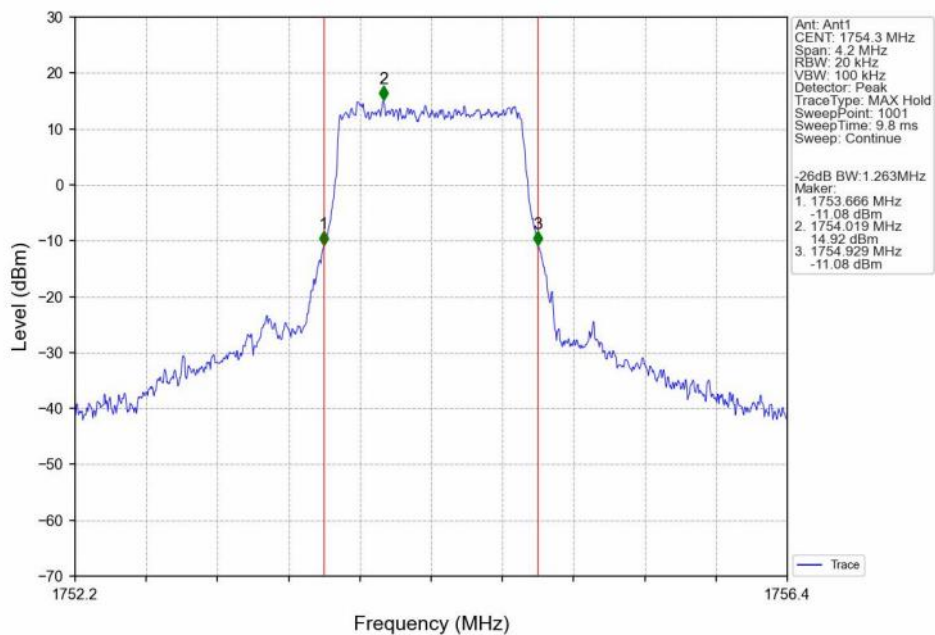
Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



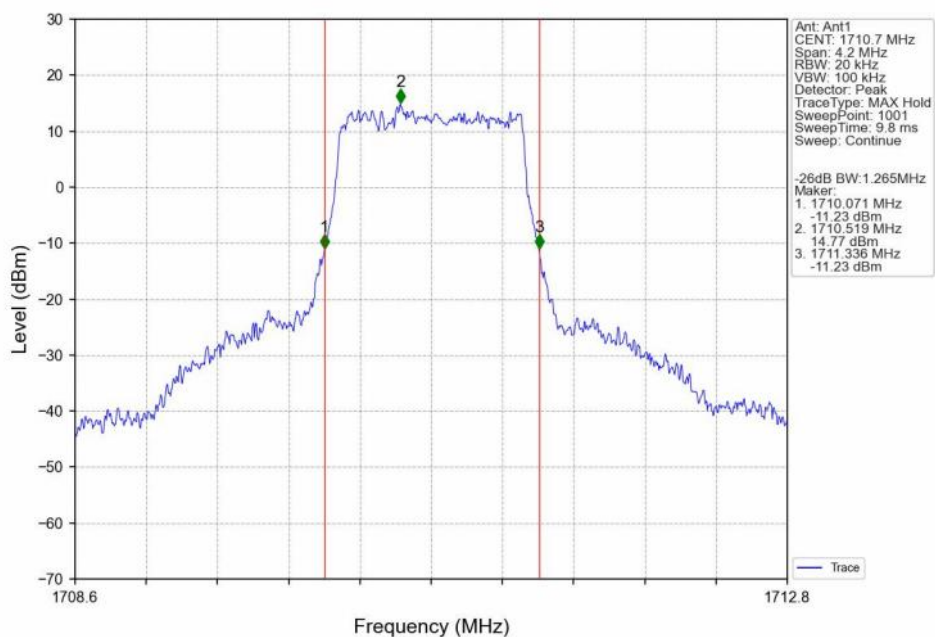
4.2.2 Band4_XDB



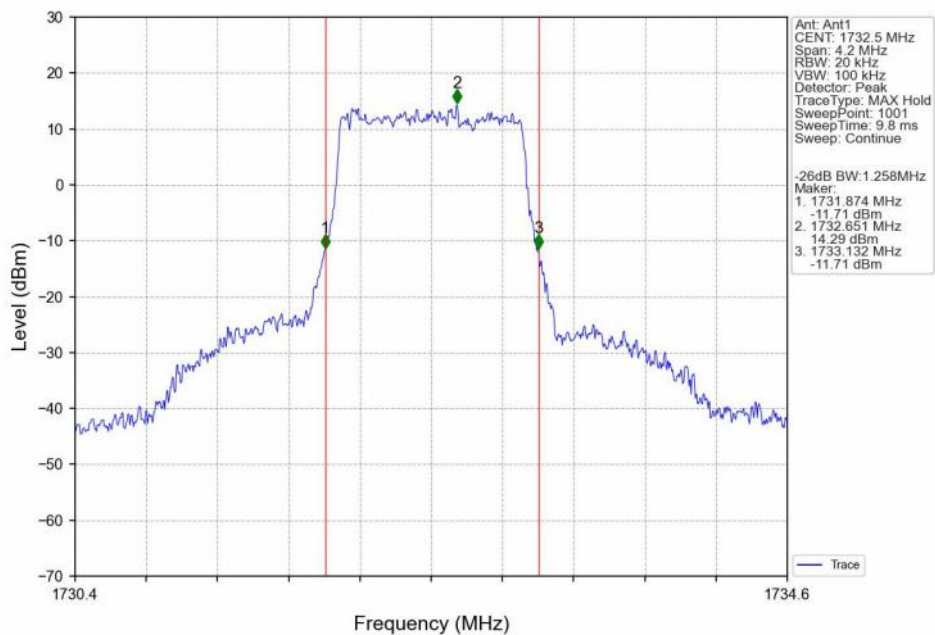
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



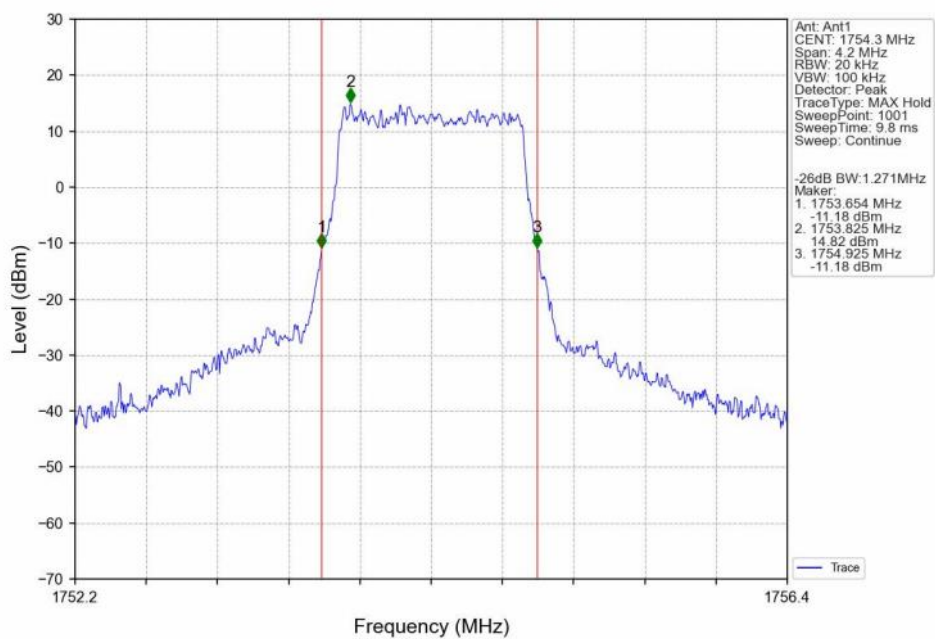
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



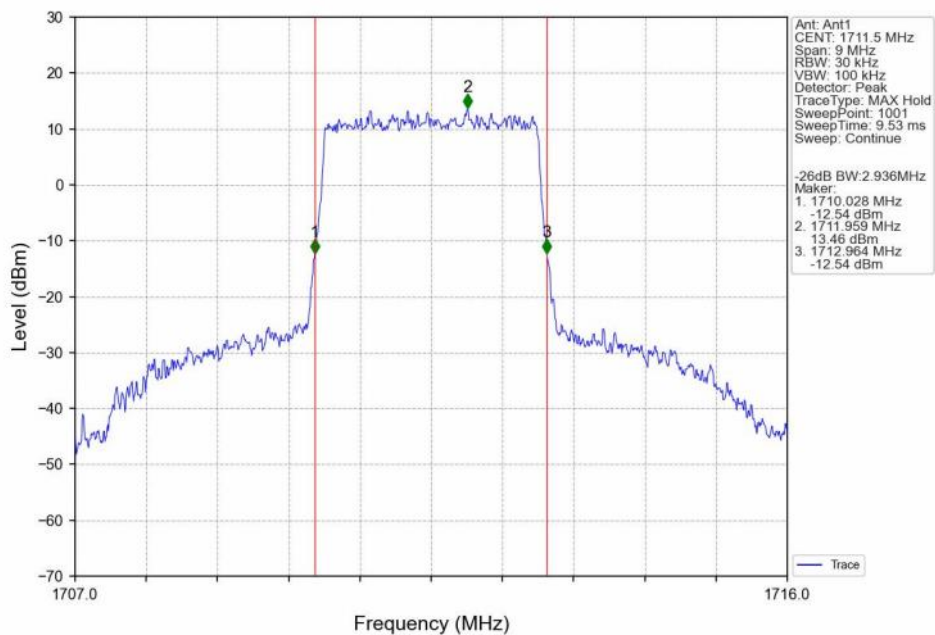
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



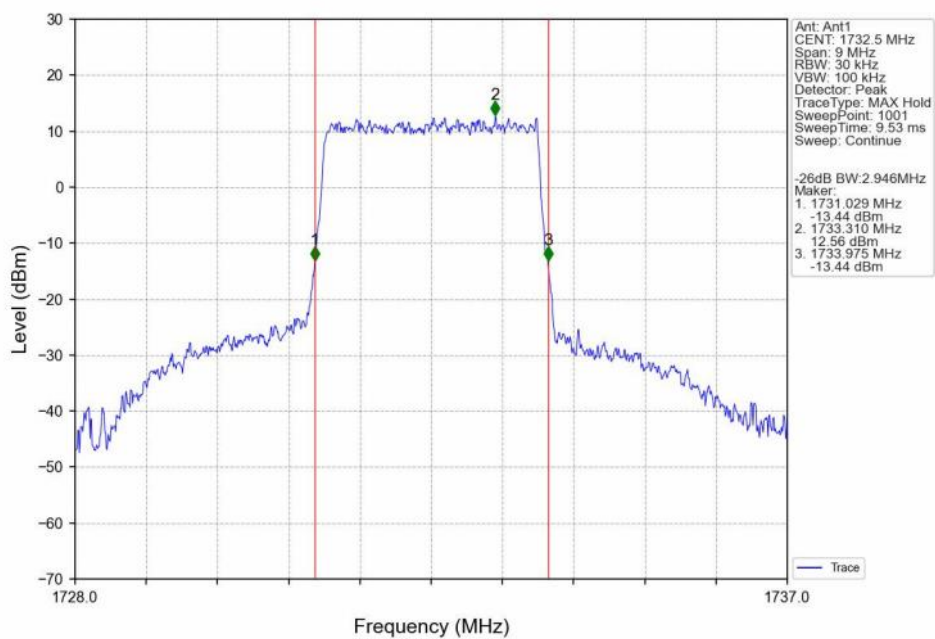
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



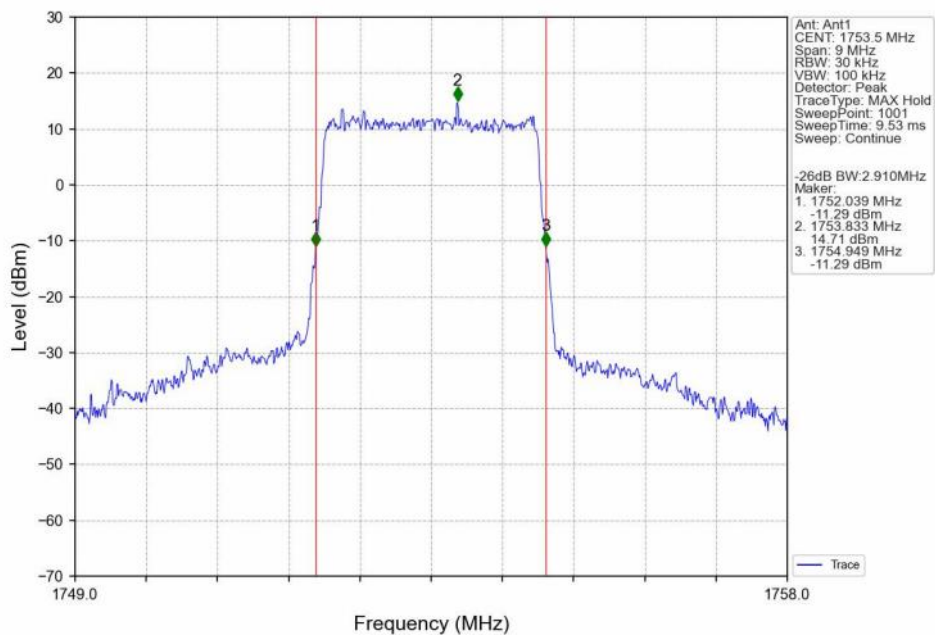
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



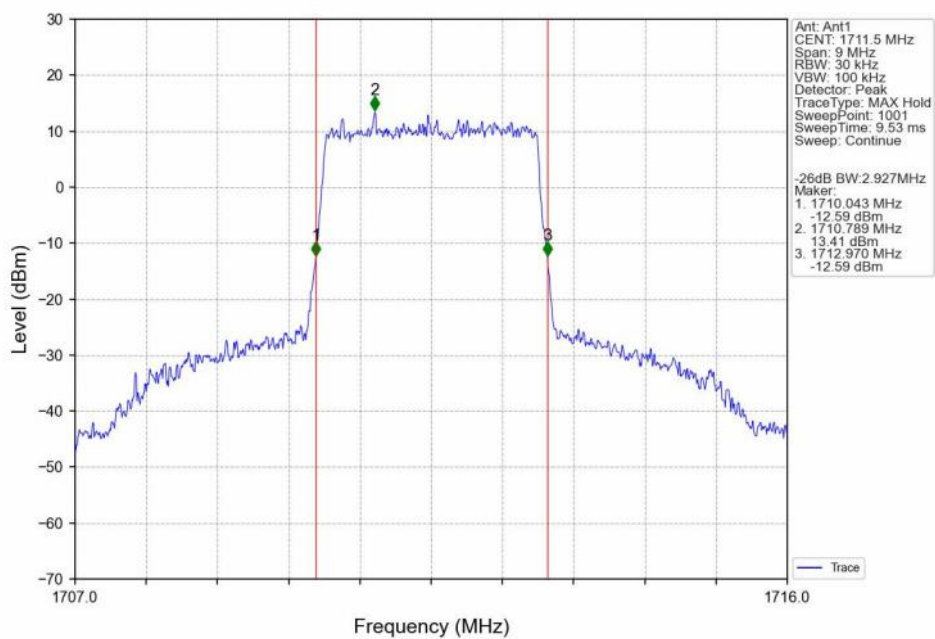
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



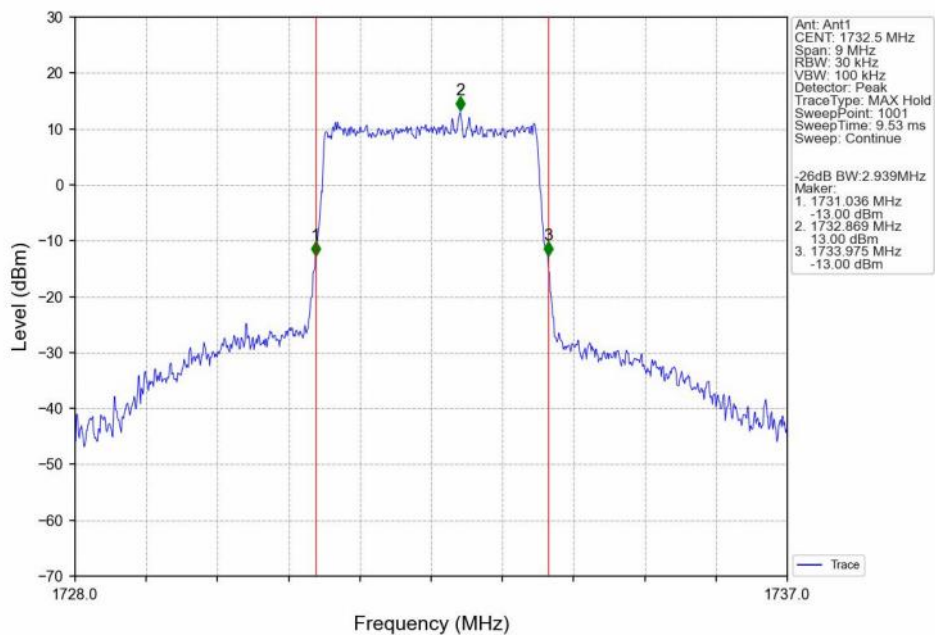
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



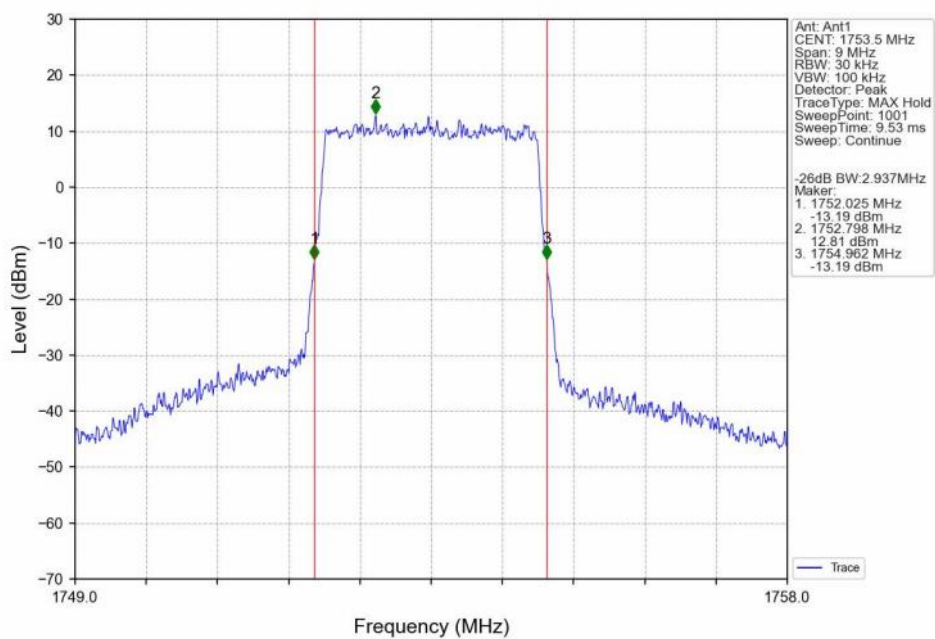
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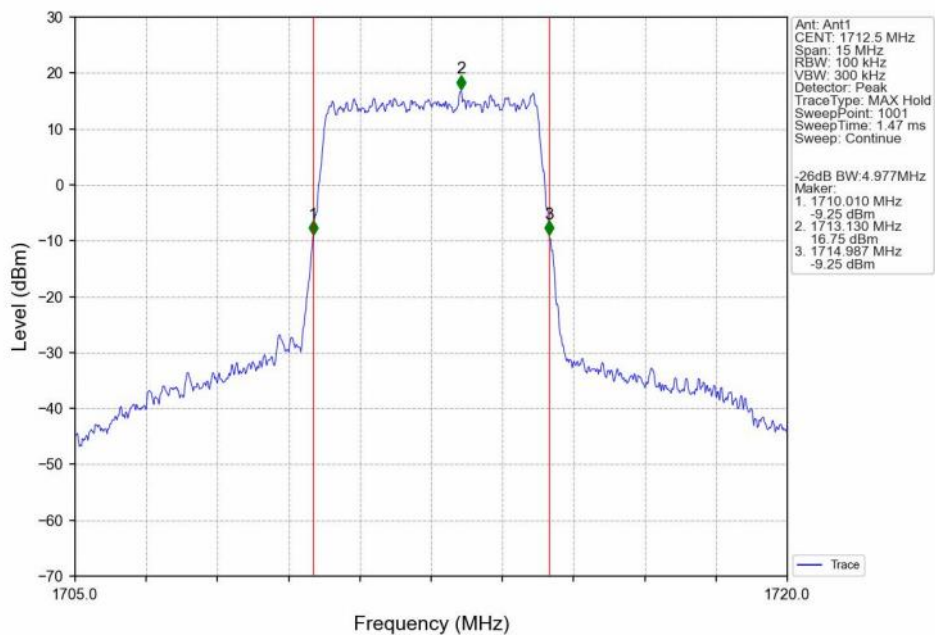
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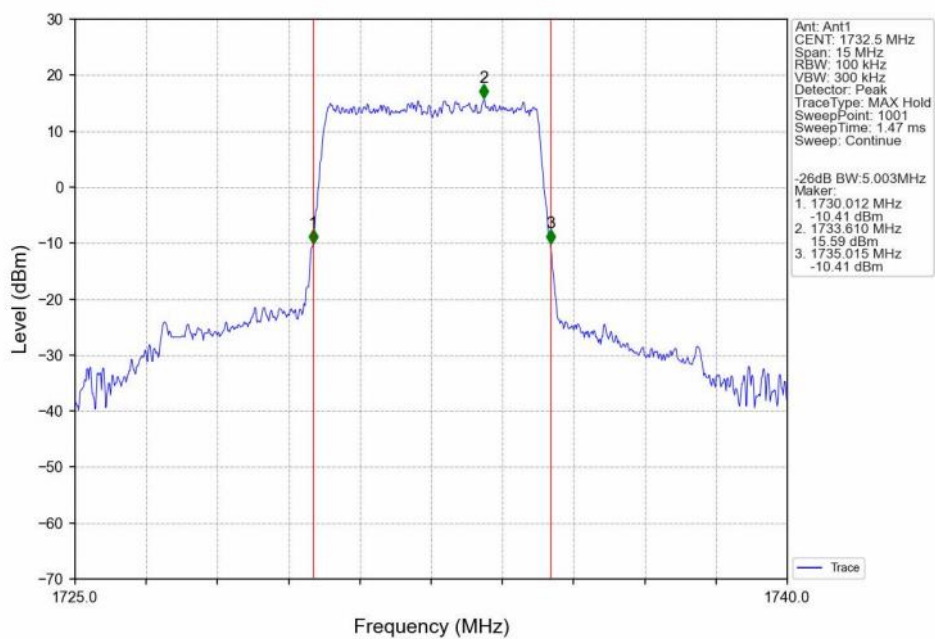
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



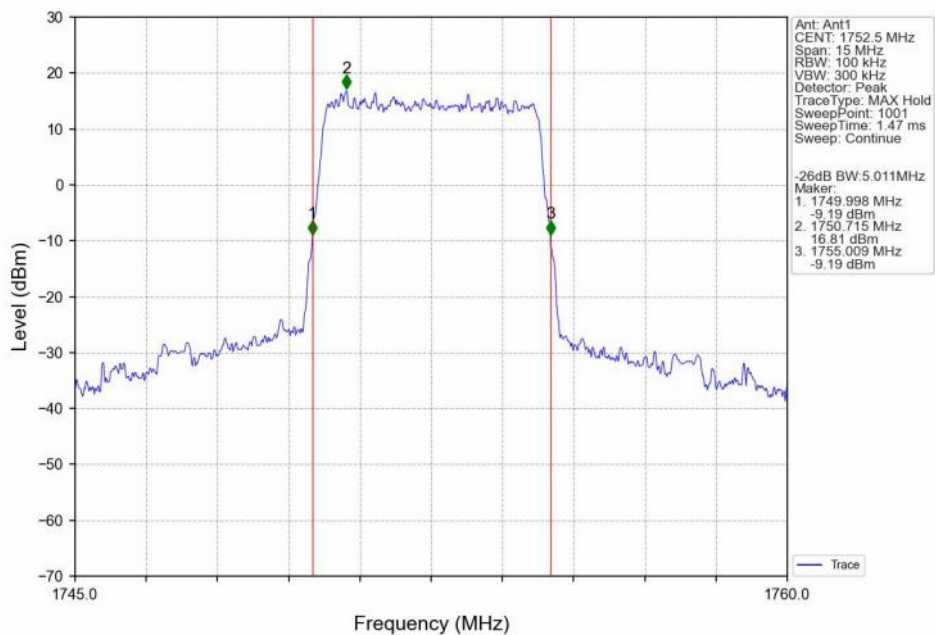
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



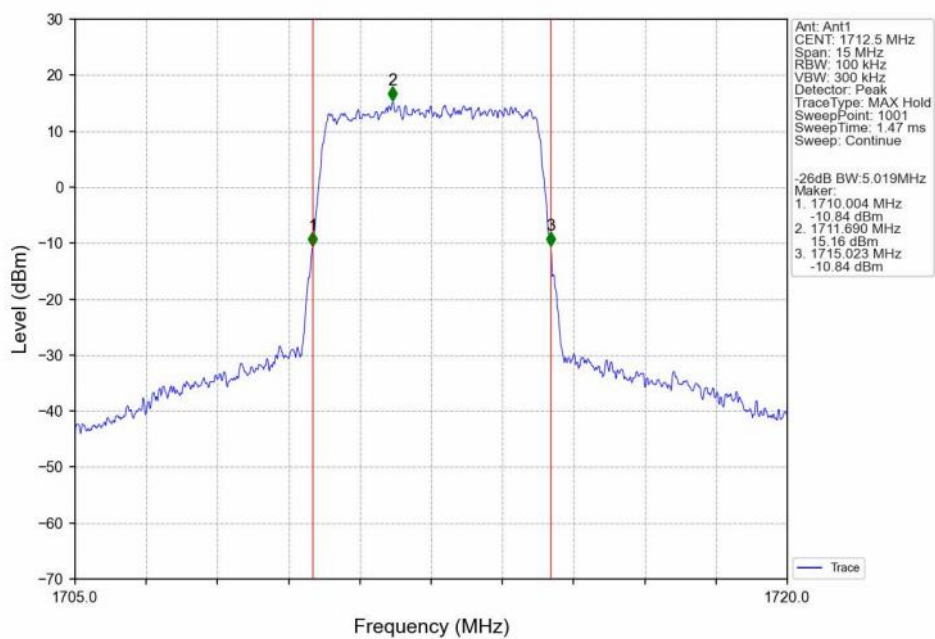
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



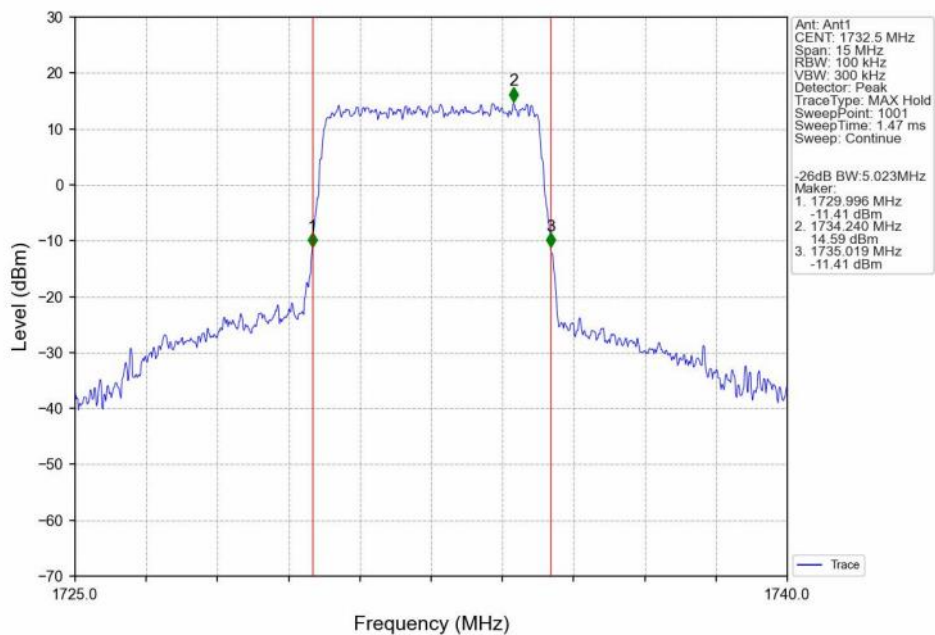
Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV



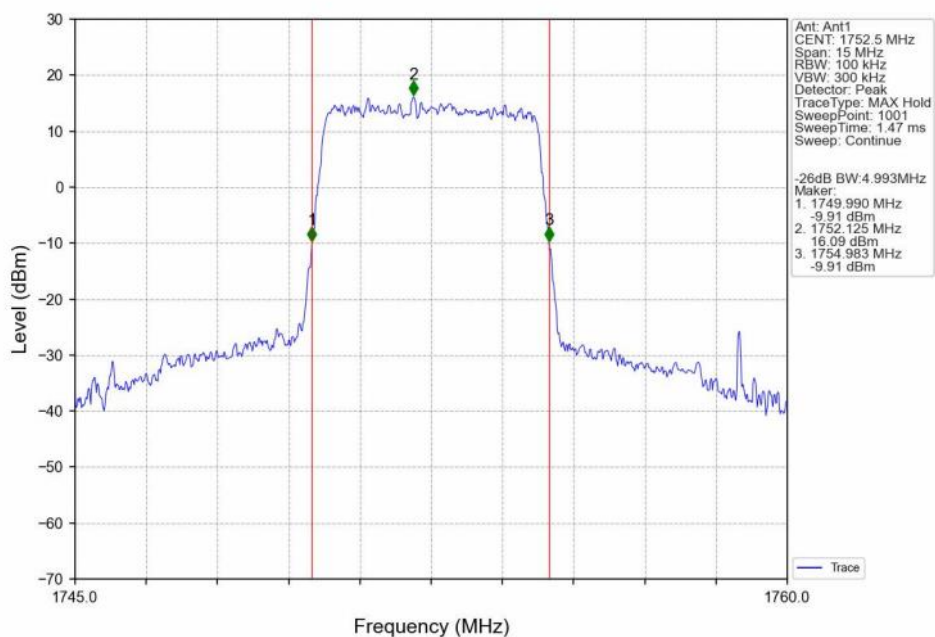
Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



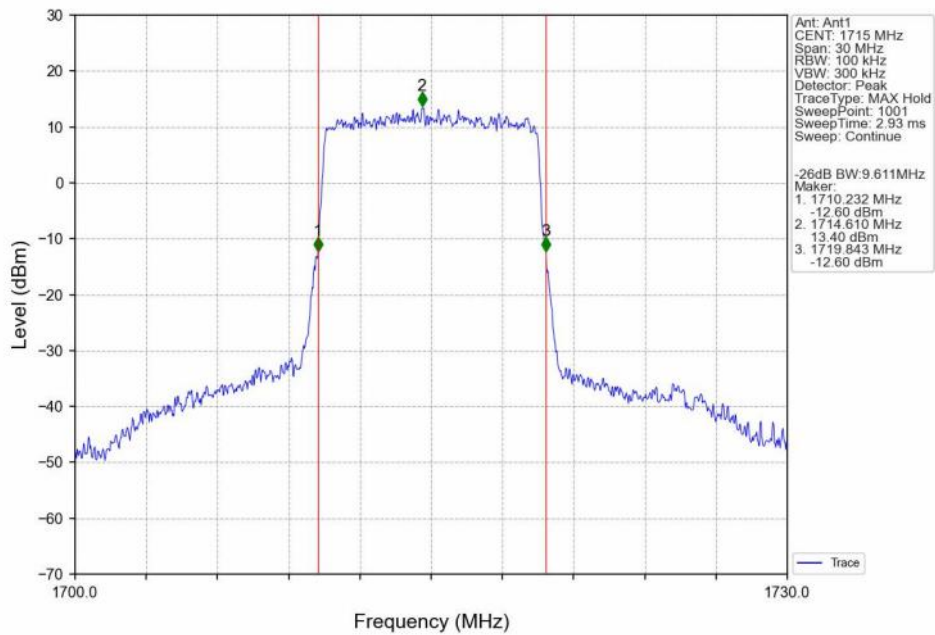
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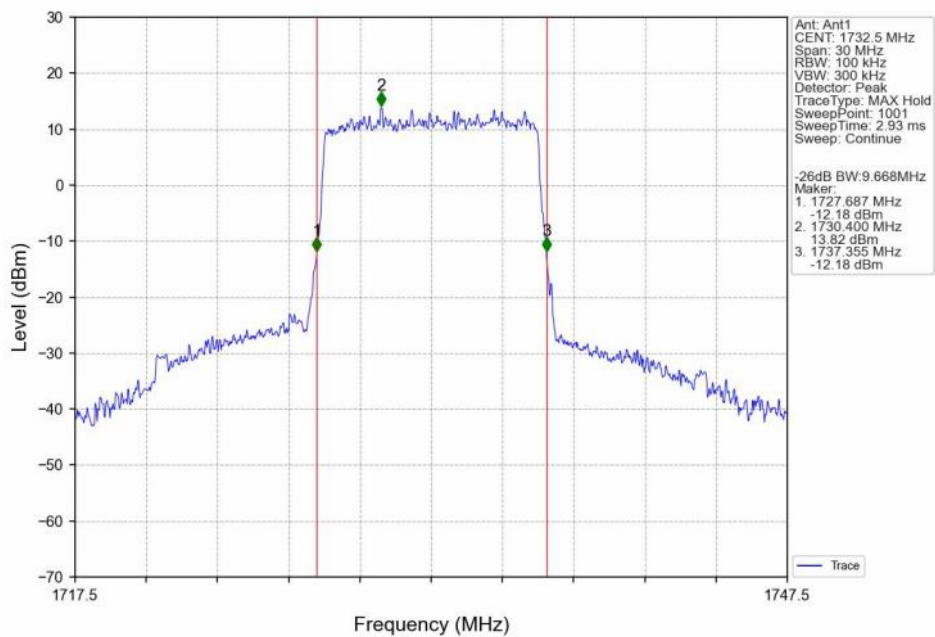
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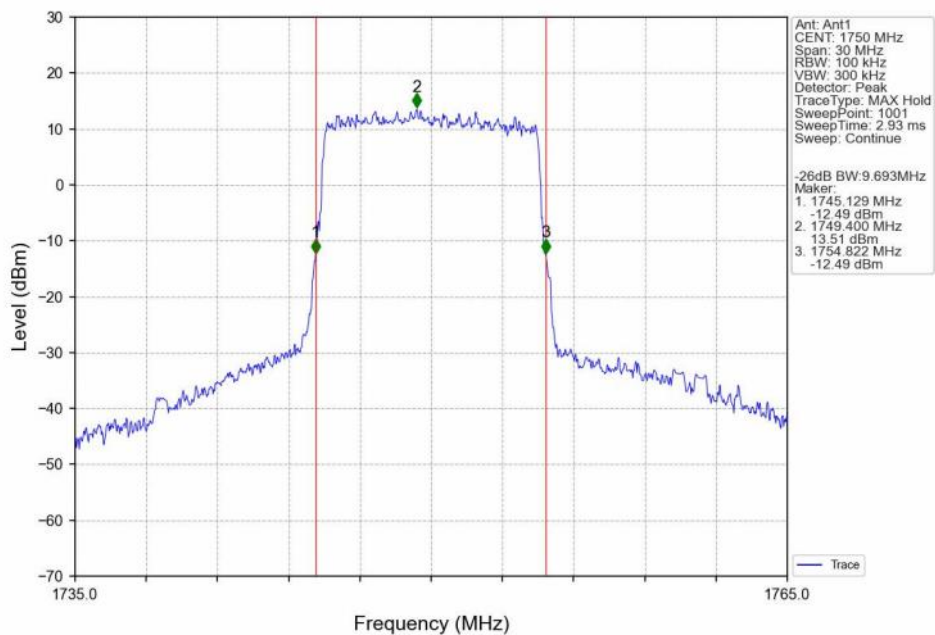
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



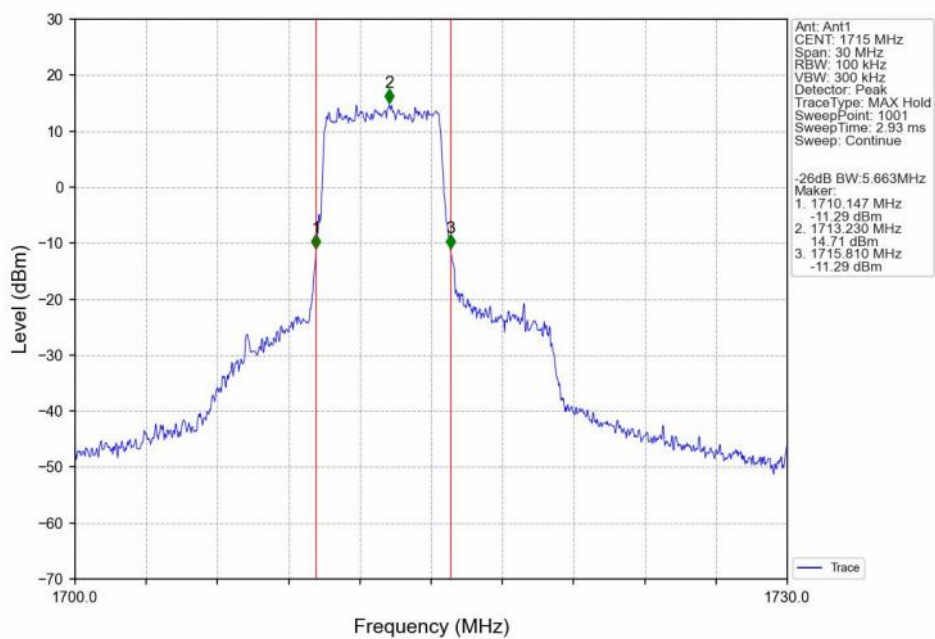
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



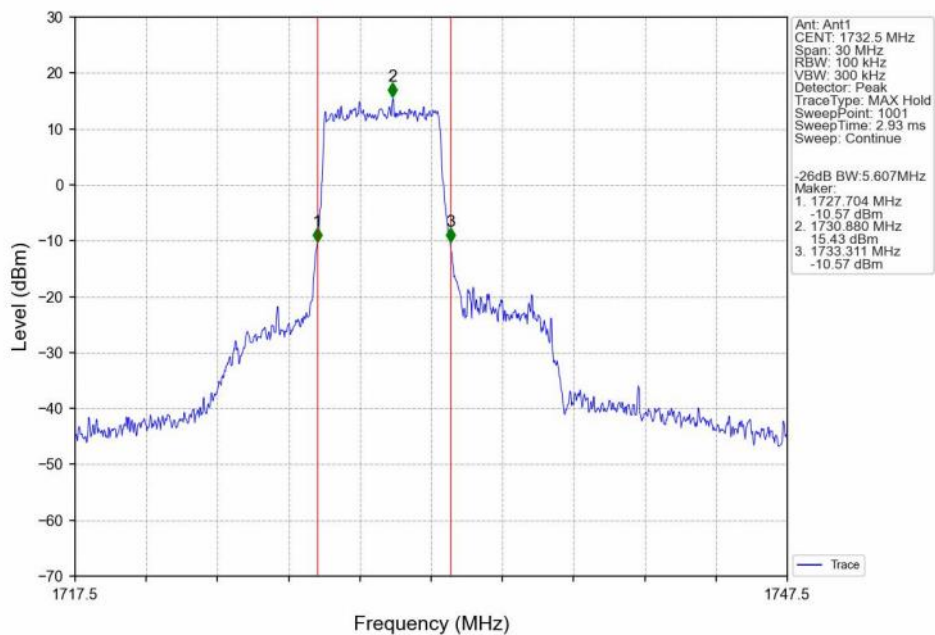
Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV



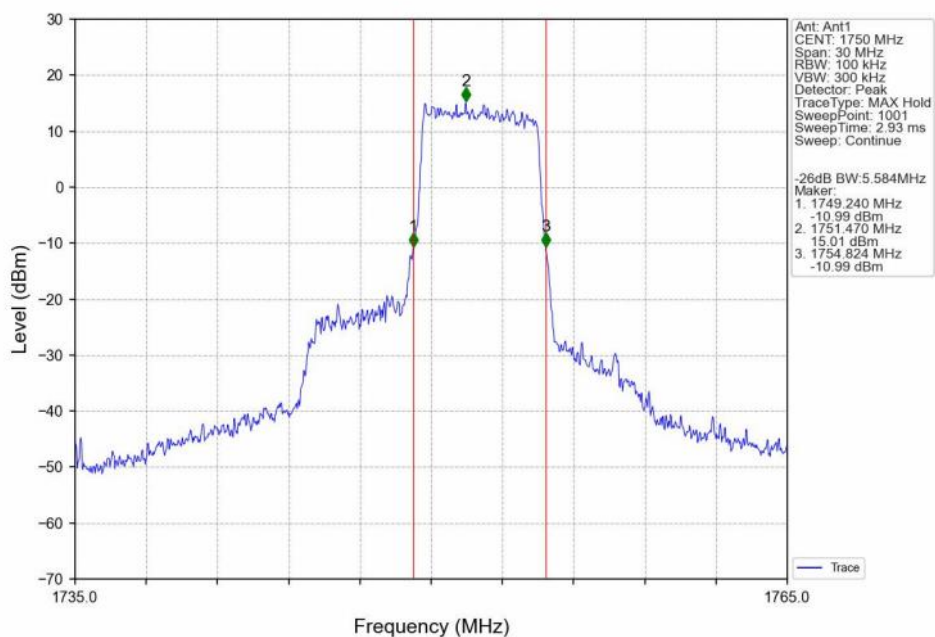
Band4_10MHz_16QAM_LCH_1715MHz_RB_27_0_NTNV



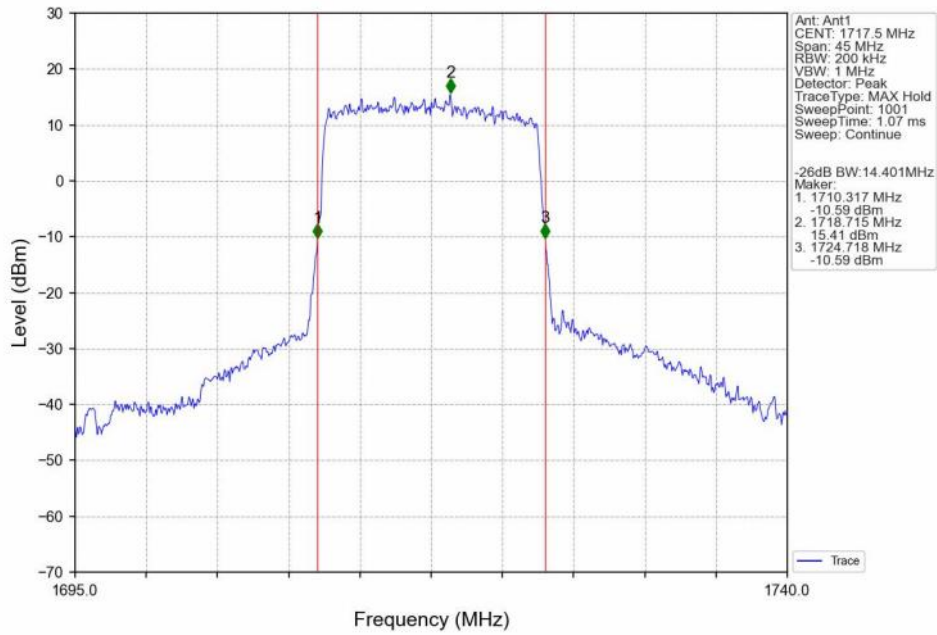
Band4_10MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



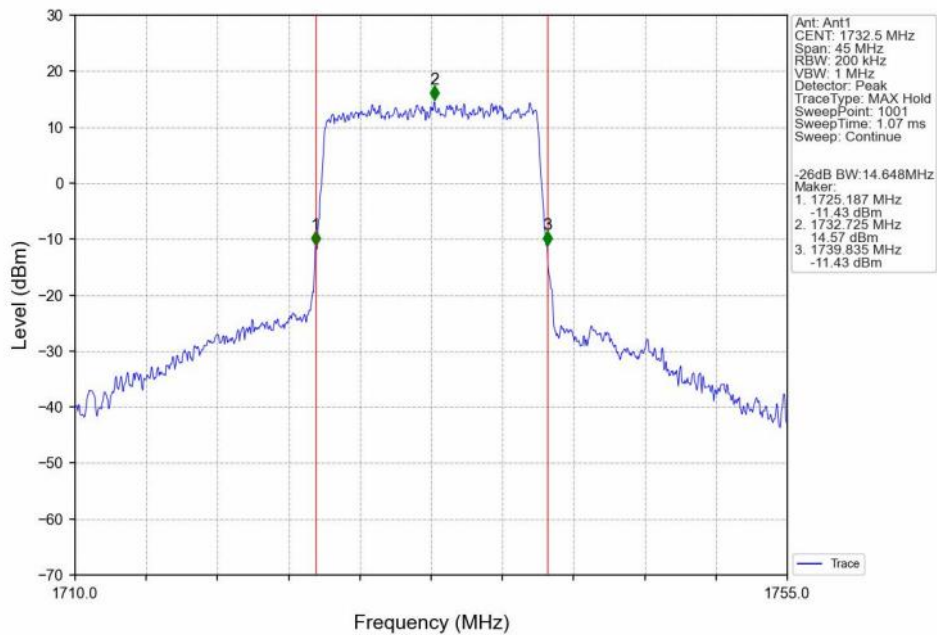
Band4_10MHz_16QAM_HCH_1750MHz_RB_27_23_NTNV



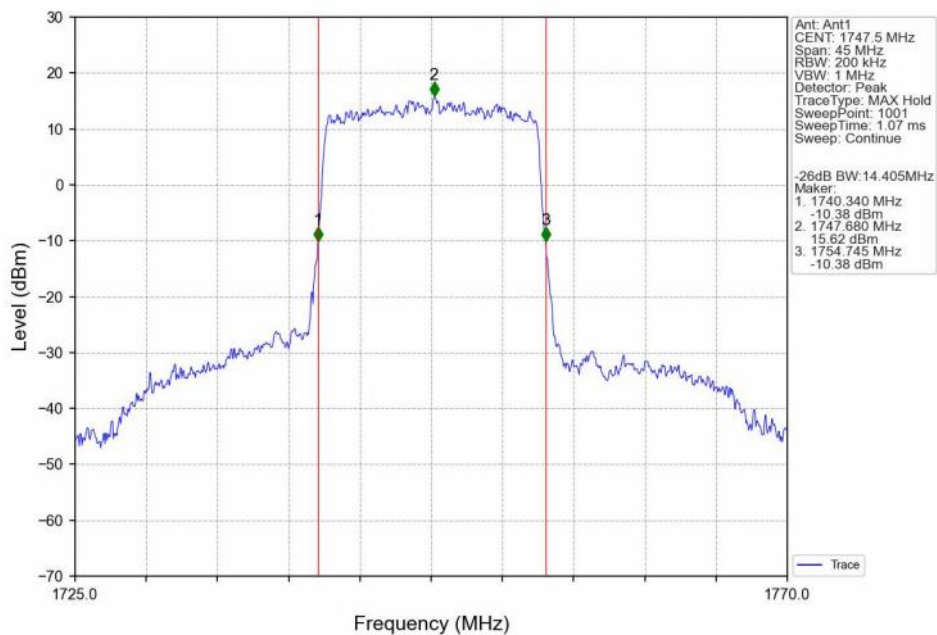
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



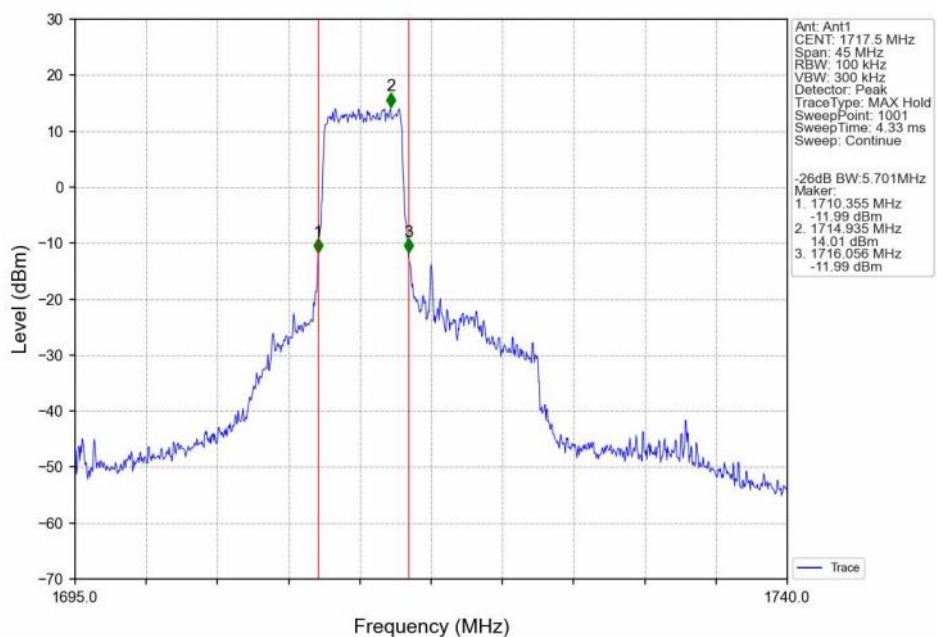
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



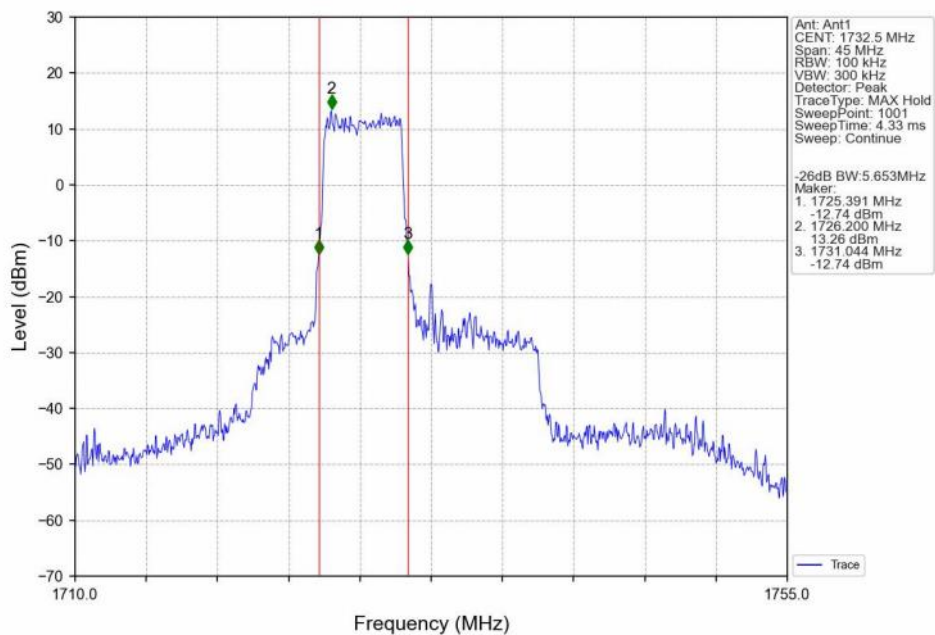
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



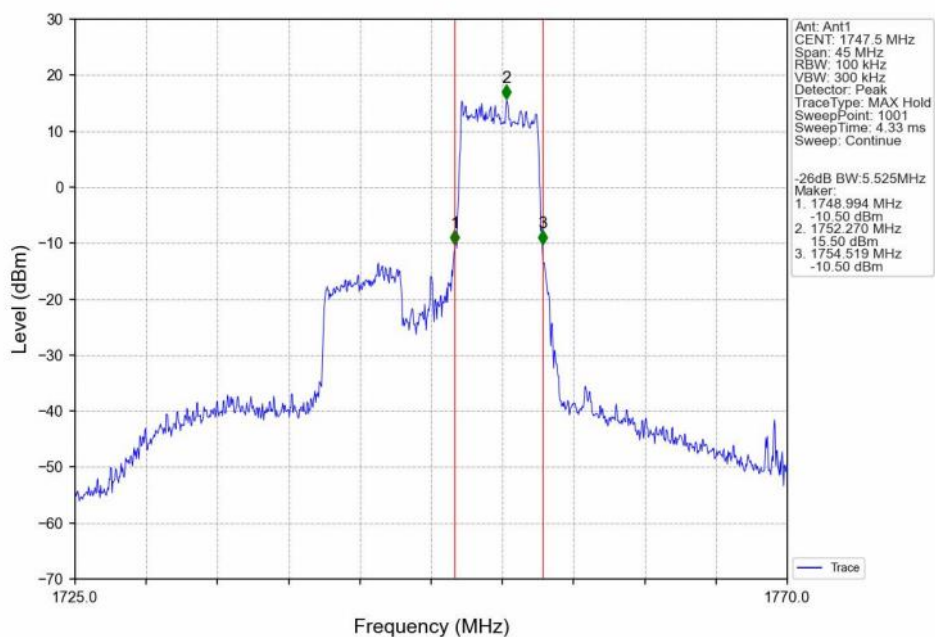
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_27_0_NTNV



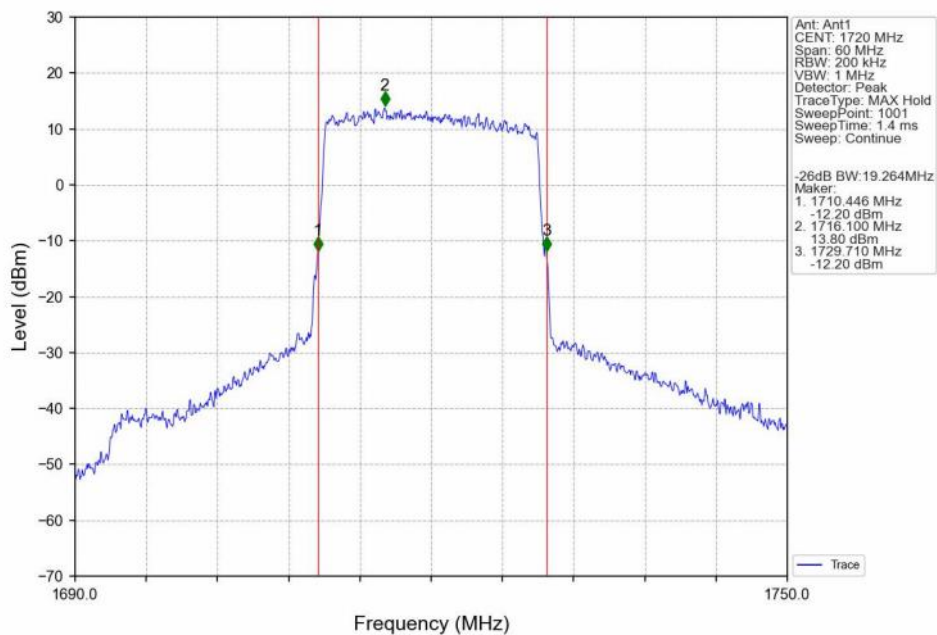
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



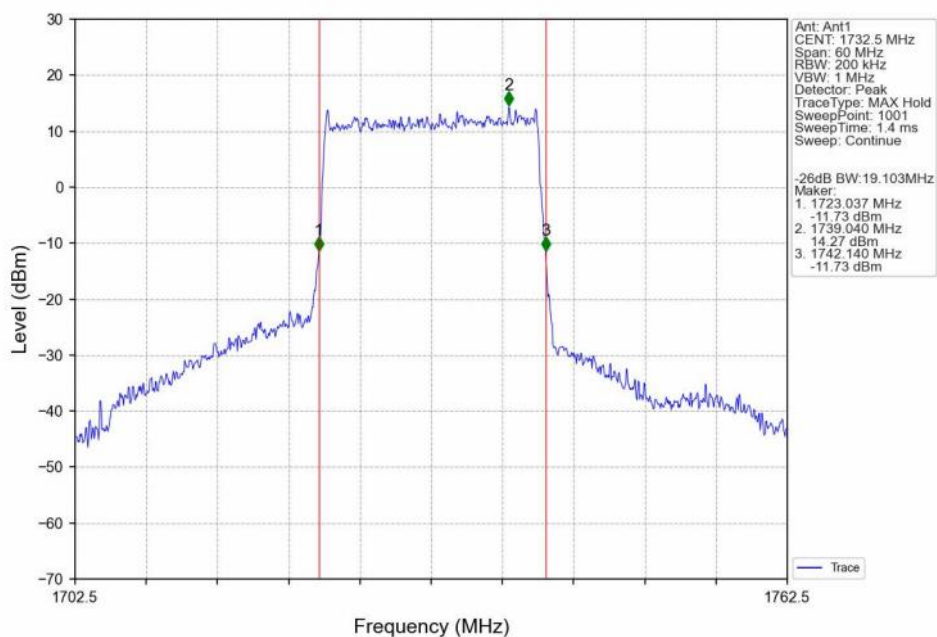
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_27_48_NTNV



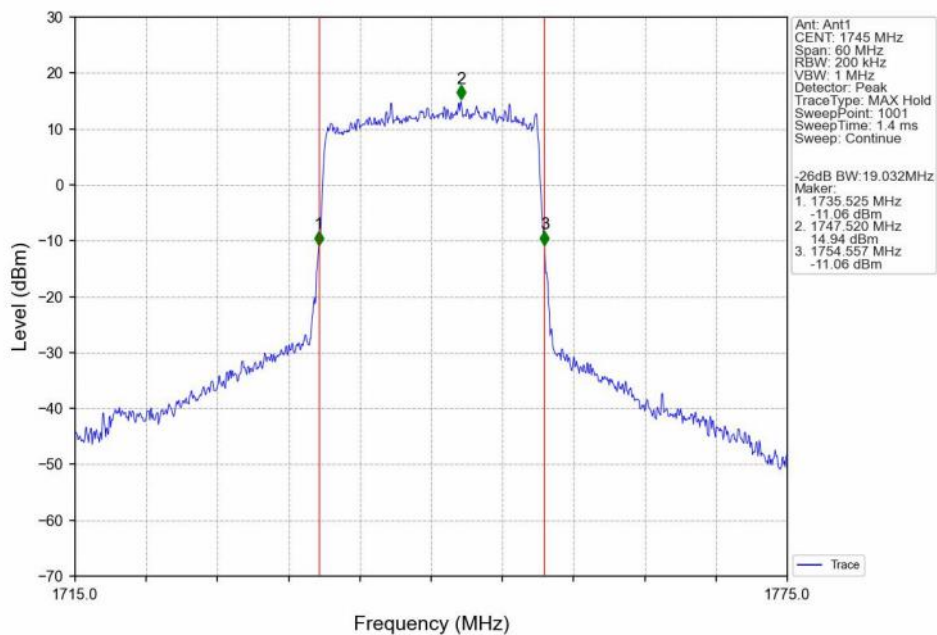
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



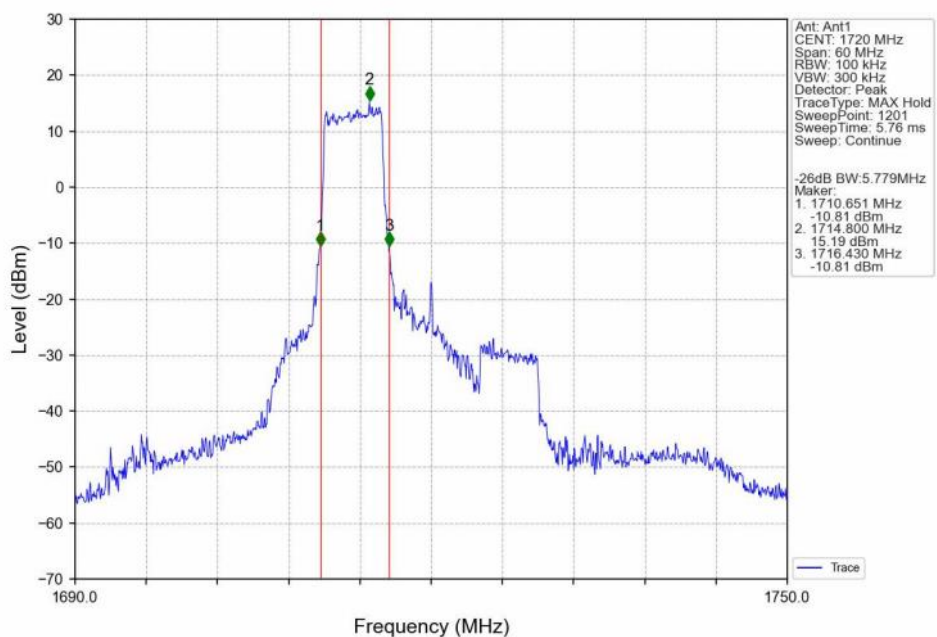
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



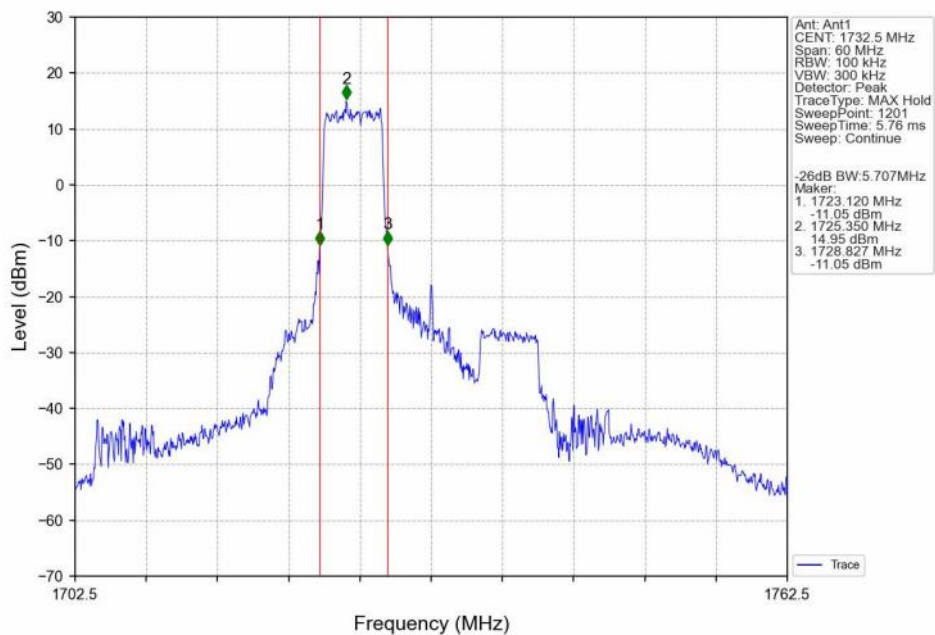
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



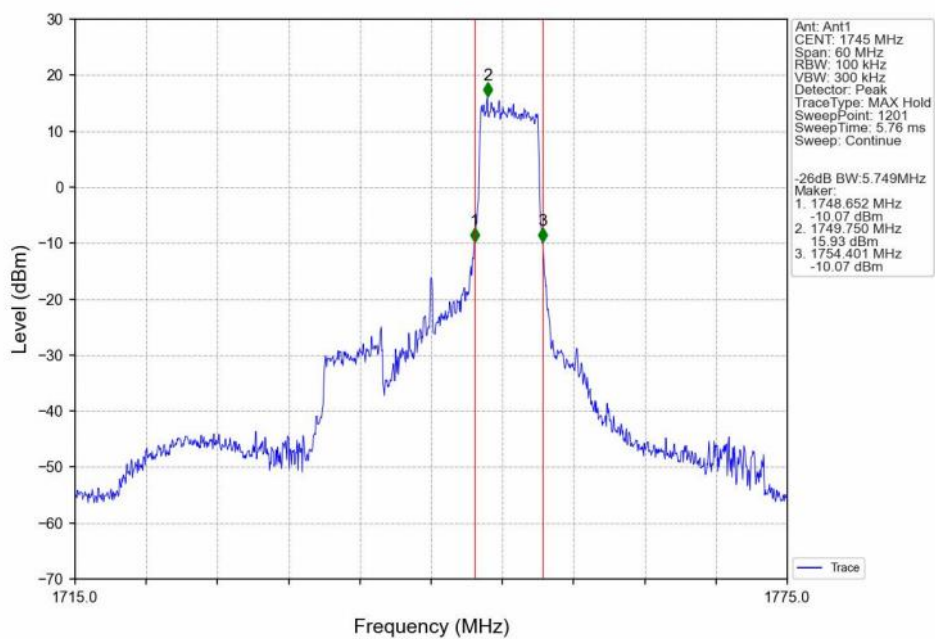
Band4_20MHz_16QAM_LCH_1720MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_27_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_27_73_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B4_1.4MHz

Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.53	<=13	Pass
	1732.5	6	0	5.53	<=13	Pass
	1754.3	6	0	5.29	<=13	Pass
16QAM	1710.7	6	0	6.39	<=13	Pass
	1732.5	6	0	6.45	<=13	Pass
	1754.3	6	0	6.15	<=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	5.58	<=13	Pass
	1732.5	15	0	5.60	<=13	Pass
	1753.5	15	0	5.41	<=13	Pass
16QAM	1711.5	15	0	6.42	<=13	Pass
	1732.5	15	0	6.47	<=13	Pass
	1753.5	15	0	6.29	<=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	5.46	<=13	Pass
	1732.5	25	0	5.55	<=13	Pass
	1752.5	25	0	5.39	<=13	Pass
16QAM	1712.5	25	0	6.30	<=13	Pass
	1732.5	25	0	6.36	<=13	Pass
	1752.5	25	0	6.20	<=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	5.31	<=13	Pass
	1732.5	50	0	5.48	<=13	Pass
	1750	50	0	5.27	<=13	Pass
16QAM	1715	27	0	6.11	<=13	Pass
	1732.5	27	0	6.19	<=13	Pass

	1750	27	23	5.98	<=13	Pass
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5.1.5 B4_15MHz

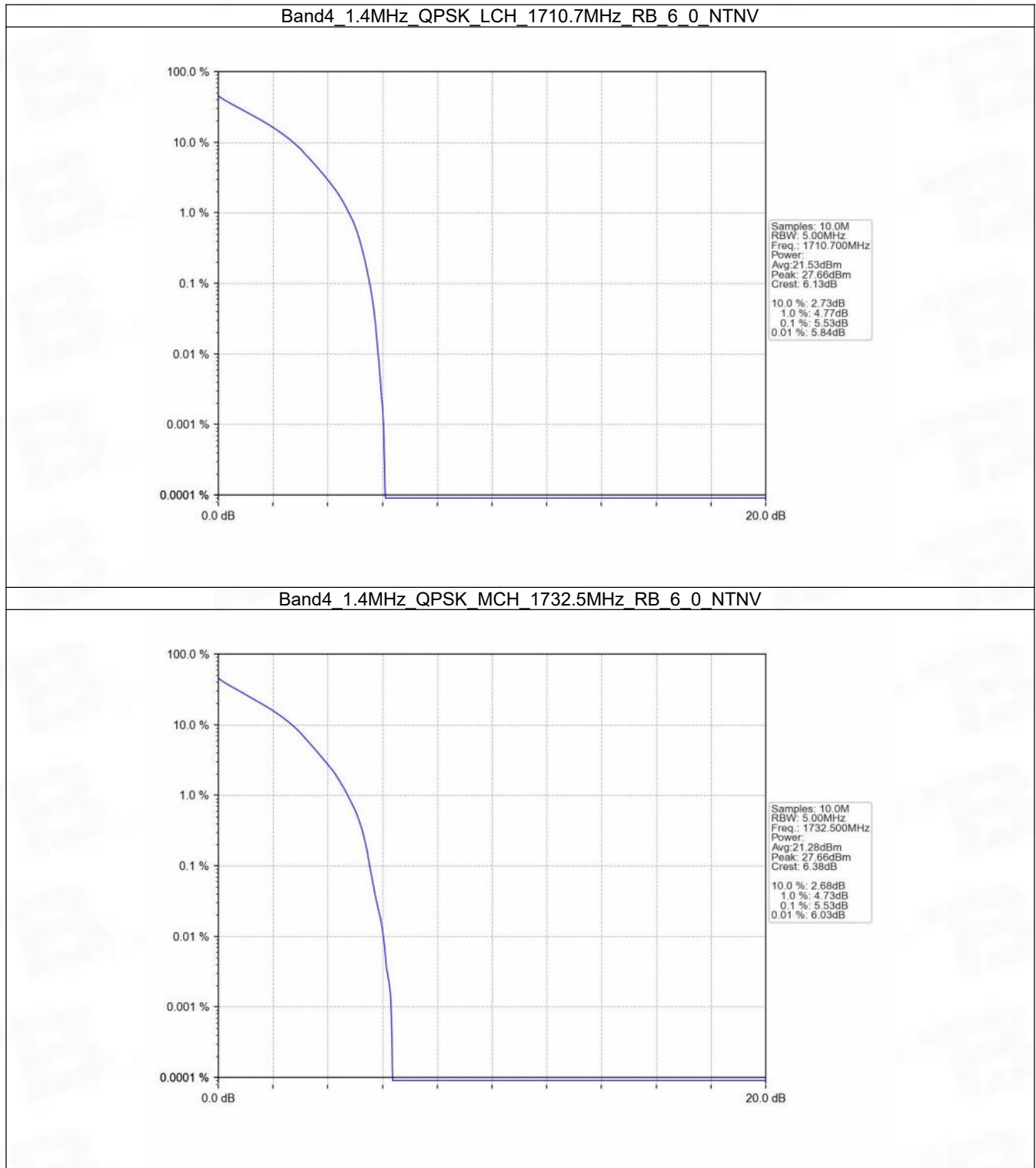
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.11	<=13	Pass
	1732.5	75	0	5.38	<=13	Pass
	1747.5	75	0	5.01	<=13	Pass
16QAM	1717.5	27	0	6.09	<=13	Pass
	1732.5	27	0	6.15	<=13	Pass
	1747.5	27	48	5.72	<=13	Pass

5.1.6 B4_20MHz

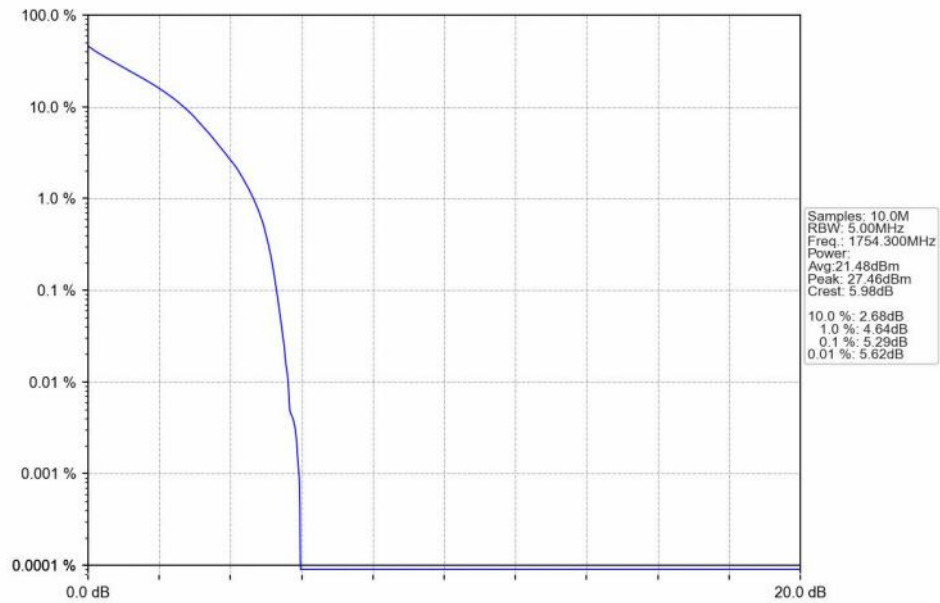
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.12	<=13	Pass
	1732.5	100	0	5.27	<=13	Pass
	1745	100	0	6.06	<=13	Pass
16QAM	1720	27	0	6.08	<=13	Pass
	1732.5	27	0	6.11	<=13	Pass
	1745	27	73	5.52	<=13	Pass

5.2 Test Graph

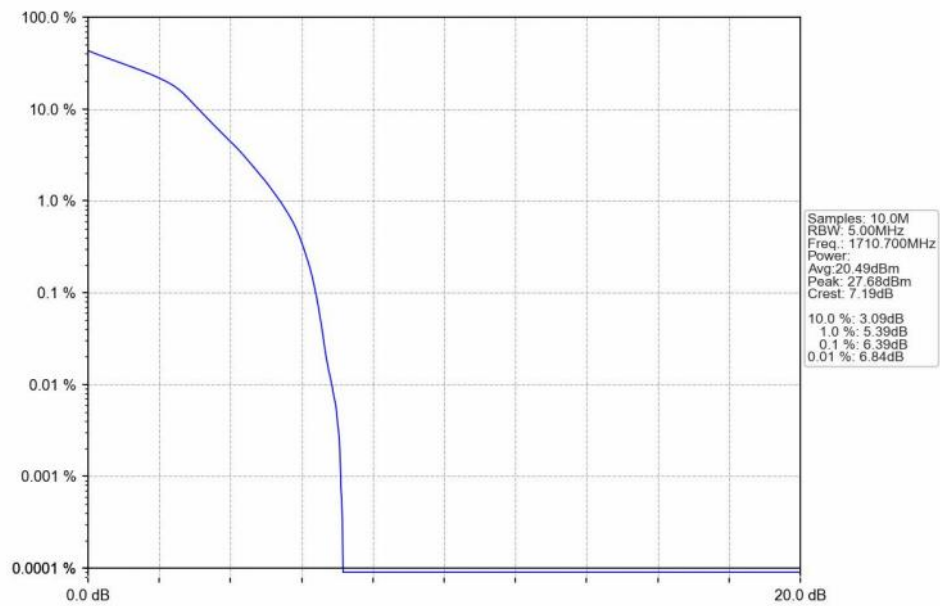
5.2.1 B4_1.4MHz



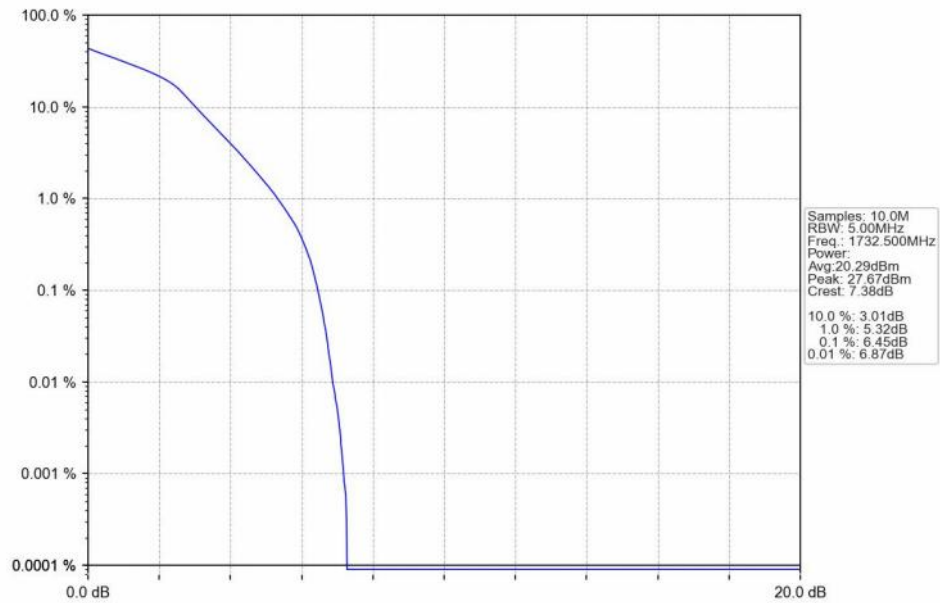
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



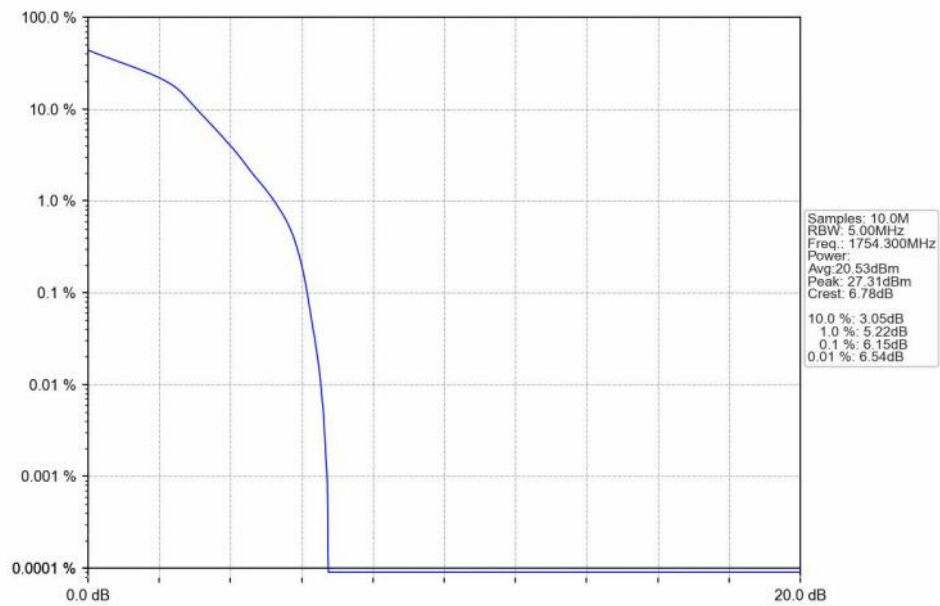
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



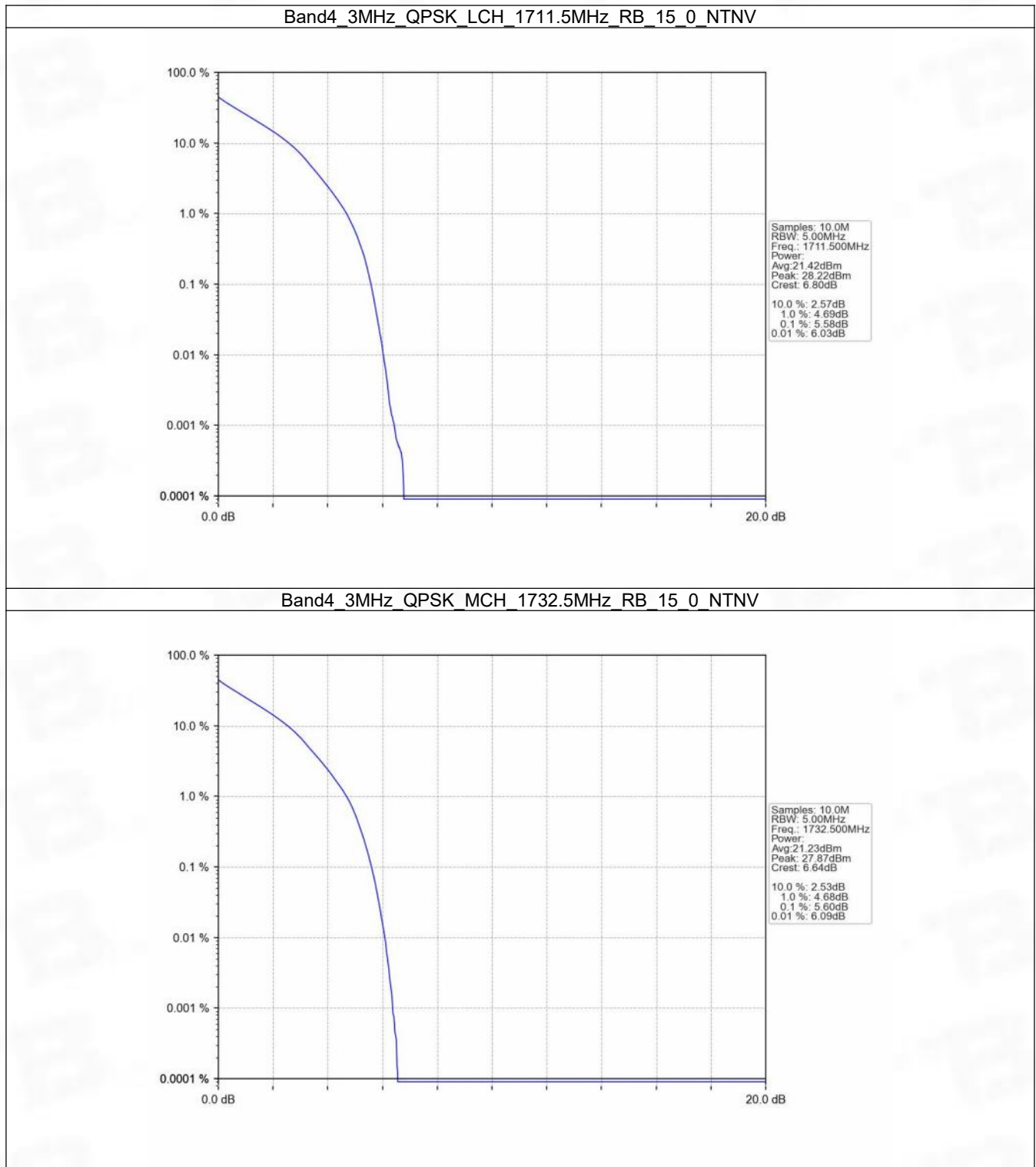
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



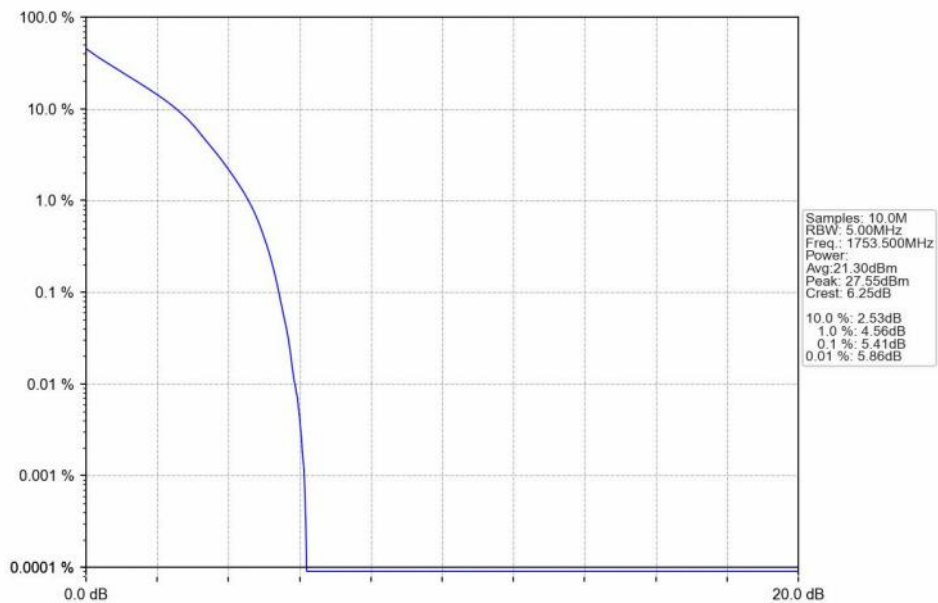
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



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

