

Appendix - band_66

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B66_1.4MHz_EIRP

Band: 66 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	21.66	-0.33	21.33	<=30	Pass
			2	21.71	-0.33	21.38	<=30	Pass
			5	21.68	-0.33	21.35	<=30	Pass
		3	0	21.53	-0.33	21.20	<=30	Pass
			2	21.59	-0.33	21.26	<=30	Pass
			3	21.57	-0.33	21.24	<=30	Pass
		6	0	20.66	-0.33	20.33	<=30	Pass
	1745	1	0	22.37	-0.33	22.04	<=30	Pass
			2	22.30	-0.33	21.97	<=30	Pass
			5	22.28	-0.33	21.95	<=30	Pass
		3	0	22.29	-0.33	21.96	<=30	Pass
			2	22.26	-0.33	21.93	<=30	Pass
			3	22.28	-0.33	21.95	<=30	Pass
		6	0	21.16	-0.33	20.83	<=30	Pass
	1779.3	1	0	21.93	-0.33	21.60	<=30	Pass
			2	21.96	-0.33	21.63	<=30	Pass
			5	22.04	-0.33	21.71	<=30	Pass
		3	0	22.03	-0.33	21.70	<=30	Pass
			2	22.09	-0.33	21.76	<=30	Pass
			3	22.02	-0.33	21.69	<=30	Pass
		6	0	21.16	-0.33	20.83	<=30	Pass
16QAM	1710.7	1	0	20.89	-0.33	20.56	<=30	Pass
			2	21.08	-0.33	20.75	<=30	Pass
			5	21.03	-0.33	20.70	<=30	Pass
		3	0	20.63	-0.33	20.30	<=30	Pass
			2	20.63	-0.33	20.30	<=30	Pass
			3	20.61	-0.33	20.28	<=30	Pass
		6	0	20.19	-0.33	19.86	<=30	Pass
	1745	1	0	22.08	-0.33	21.75	<=30	Pass
			2	22.11	-0.33	21.78	<=30	Pass
			5	22.10	-0.33	21.77	<=30	Pass
		3	0	20.60	-0.33	20.27	<=30	Pass
			2	20.59	-0.33	20.26	<=30	Pass
			3	20.61	-0.33	20.28	<=30	Pass
		6	0	20.37	-0.33	20.04	<=30	Pass
	1779.3	1	0	21.27	-0.33	20.94	<=30	Pass
			2	21.25	-0.33	20.92	<=30	Pass
			5	21.24	-0.33	20.91	<=30	Pass
		3	0	20.77	-0.33	20.44	<=30	Pass
			2	20.79	-0.33	20.46	<=30	Pass
			3	20.73	-0.33	20.40	<=30	Pass
		6	0	20.10	-0.33	19.77	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B66_3MHz_EIRP

Band: 66 / 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	21.57	-0.33	21.24	<=30	Pass
			7	21.53	-0.33	21.20	<=30	Pass
			14	21.57	-0.33	21.24	<=30	Pass
		8	0	20.66	-0.33	20.33	<=30	Pass
			4	20.65	-0.33	20.32	<=30	Pass
			7	20.66	-0.33	20.33	<=30	Pass
		15	0	20.70	-0.33	20.37	<=30	Pass
	1745	1	0	22.08	-0.33	21.75	<=30	Pass
			7	22.13	-0.33	21.80	<=30	Pass
			14	22.16	-0.33	21.83	<=30	Pass
		8	0	21.19	-0.33	20.86	<=30	Pass
			4	21.20	-0.33	20.87	<=30	Pass
			7	21.16	-0.33	20.83	<=30	Pass
		15	0	21.15	-0.33	20.82	<=30	Pass
	1778.5	1	0	22.11	-0.33	21.78	<=30	Pass
			7	22.09	-0.33	21.76	<=30	Pass
			14	22.11	-0.33	21.78	<=30	Pass
		8	0	21.27	-0.33	20.94	<=30	Pass
			4	21.13	-0.33	20.80	<=30	Pass
			7	21.22	-0.33	20.89	<=30	Pass
		15	0	21.22	-0.33	20.89	<=30	Pass
16QAM	1711.5	1	0	20.75	-0.33	20.42	<=30	Pass
			7	20.75	-0.33	20.42	<=30	Pass
			14	20.78	-0.33	20.45	<=30	Pass
		8	0	20.09	-0.33	19.76	<=30	Pass
			4	20.04	-0.33	19.71	<=30	Pass
			7	19.83	-0.33	19.50	<=30	Pass
		15	0	19.88	-0.33	19.55	<=30	Pass
	1745	1	0	21.84	-0.33	21.51	<=30	Pass
			7	21.77	-0.33	21.44	<=30	Pass
			14	21.93	-0.33	21.60	<=30	Pass
		8	0	20.41	-0.33	20.08	<=30	Pass
			4	20.44	-0.33	20.11	<=30	Pass
			7	20.41	-0.33	20.08	<=30	Pass
		15	0	20.29	-0.33	19.96	<=30	Pass
	1778.5	1	0	21.47	-0.33	21.14	<=30	Pass
			7	21.44	-0.33	21.11	<=30	Pass
			14	21.47	-0.33	21.14	<=30	Pass
		8	0	20.41	-0.33	20.08	<=30	Pass
			4	20.31	-0.33	19.98	<=30	Pass
			7	20.39	-0.33	20.06	<=30	Pass
		15	0	20.37	-0.33	20.04	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B66_5MHz_EIRP

Band: 66 / 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	21.46	-0.33	21.13	<=30	Pass
			13	21.59	-0.33	21.26	<=30	Pass
			24	21.60	-0.33	21.27	<=30	Pass
		12	0	20.68	-0.33	20.35	<=30	Pass
			6	20.73	-0.33	20.40	<=30	Pass
			13	20.66	-0.33	20.33	<=30	Pass

16QAM	1745	1	25	0	20.67	-0.33	20.34	<=30	Pass
			1	0	22.24	-0.33	21.91	<=30	Pass
				13	22.34	-0.33	22.01	<=30	Pass
				24	22.36	-0.33	22.03	<=30	Pass
		12	12	0	21.24	-0.33	20.91	<=30	Pass
				6	21.21	-0.33	20.88	<=30	Pass
				13	21.42	-0.33	21.09	<=30	Pass
		25	25	0	21.20	-0.33	20.87	<=30	Pass
				0	22.11	-0.33	21.78	<=30	Pass
				13	22.05	-0.33	21.72	<=30	Pass
	1777.5	1	1	24	22.08	-0.33	21.75	<=30	Pass
				0	21.23	-0.33	20.90	<=30	Pass
				6	21.10	-0.33	20.77	<=30	Pass
		12	12	13	21.12	-0.33	20.79	<=30	Pass
				0	21.17	-0.33	20.84	<=30	Pass
		25	25	0	21.31	-0.33	20.98	<=30	Pass
				13	21.35	-0.33	21.02	<=30	Pass
				24	21.41	-0.33	21.08	<=30	Pass
	1712.5	1	1	0	20.08	-0.33	19.75	<=30	Pass
				6	19.80	-0.33	19.47	<=30	Pass
				13	19.78	-0.33	19.45	<=30	Pass
		12	12	0	19.73	-0.33	19.40	<=30	Pass
				0	21.63	-0.33	21.30	<=30	Pass
				13	21.67	-0.33	21.34	<=30	Pass
		25	25	24	21.77	-0.33	21.44	<=30	Pass
				0	20.22	-0.33	19.89	<=30	Pass
				6	20.23	-0.33	19.90	<=30	Pass
	1745	1	1	13	20.34	-0.33	20.01	<=30	Pass
				0	20.31	-0.33	19.98	<=30	Pass
				0	21.00	-0.33	20.67	<=30	Pass
		12	12	13	21.07	-0.33	20.74	<=30	Pass
				24	20.98	-0.33	20.65	<=30	Pass
				0	20.18	-0.33	19.85	<=30	Pass
		25	25	6	20.17	-0.33	19.84	<=30	Pass
				13	20.16	-0.33	19.83	<=30	Pass
				0	20.24	-0.33	19.91	<=30	Pass
		1	1	0	21.31	-0.33	20.98	<=30	Pass
				13	21.35	-0.33	21.02	<=30	Pass
				24	21.41	-0.33	21.08	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B66_10MHz_EIRP

Band: 66 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1715	1	0	21.54	-0.33	21.21	<=30	Pass	
			25	21.63	-0.33	21.30	<=30	Pass	
			49	21.77	-0.33	21.44	<=30	Pass	
		25	0	20.71	-0.33	20.38	<=30	Pass	
			13	20.70	-0.33	20.37	<=30	Pass	
			25	20.84	-0.33	20.51	<=30	Pass	
		50	0	20.75	-0.33	20.42	<=30	Pass	
		1745	1	0	22.19	-0.33	21.86	<=30	Pass
				25	22.23	-0.33	21.90	<=30	Pass
	49			22.29	-0.33	21.96	<=30	Pass	
	25		0	21.27	-0.33	20.94	<=30	Pass	
			13	21.23	-0.33	20.90	<=30	Pass	
			25	21.42	-0.33	21.09	<=30	Pass	
	50		0	21.13	-0.33	20.80	<=30	Pass	
	1775	1	0	22.02	-0.33	21.69	<=30	Pass	

16QAM		25	25	21.98	-0.33	21.65	<=30	Pass
			49	21.95	-0.33	21.62	<=30	Pass
			0	21.07	-0.33	20.74	<=30	Pass
			13	21.12	-0.33	20.79	<=30	Pass
			25	21.11	-0.33	20.78	<=30	Pass
	50	0	21.04	-0.33	20.71	<=30	Pass	Pass
			20.82	-0.33	20.49	<=30	Pass	Pass
			20.94	-0.33	20.61	<=30	Pass	Pass
			21.01	-0.33	20.68	<=30	Pass	Pass
			19.78	-0.33	19.45	<=30	Pass	Pass
	25	13	20.18	-0.33	19.85	<=30	Pass	Pass
			20.02	-0.33	19.69	<=30	Pass	Pass
			20.14	-0.33	19.81	<=30	Pass	Pass
			21.92	-0.33	21.59	<=30	Pass	Pass
			21.88	-0.33	21.55	<=30	Pass	Pass
	1745	49	22.08	-0.33	21.75	<=30	Pass	Pass
			20.40	-0.33	20.07	<=30	Pass	Pass
			20.39	-0.33	20.06	<=30	Pass	Pass
			20.52	-0.33	20.19	<=30	Pass	Pass
			20.40	-0.33	20.07	<=30	Pass	Pass
	1775	0	21.43	-0.33	21.10	<=30	Pass	Pass
			21.65	-0.33	21.32	<=30	Pass	Pass
			21.61	-0.33	21.28	<=30	Pass	Pass
			20.40	-0.33	20.07	<=30	Pass	Pass
			20.19	-0.33	19.86	<=30	Pass	Pass
		25	20.20	-0.33	19.87	<=30	Pass	Pass
			20.14	-0.33	19.81	<=30	Pass	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B66_15MHz_EIRP

Band: 66 / 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	21.46	-0.33	21.13	<=30	Pass
			38	21.67	-0.33	21.34	<=30	Pass
			74	21.79	-0.33	21.46	<=30	Pass
		36	0	20.73	-0.33	20.40	<=30	Pass
			18	20.83	-0.33	20.50	<=30	Pass
			39	20.91	-0.33	20.58	<=30	Pass
		75	0	20.78	-0.33	20.45	<=30	Pass
	1745	1	0	22.19	-0.33	21.86	<=30	Pass
			38	22.24	-0.33	21.91	<=30	Pass
			74	22.27	-0.33	21.94	<=30	Pass
		36	0	21.15	-0.33	20.82	<=30	Pass
			18	21.22	-0.33	20.89	<=30	Pass
			39	21.28	-0.33	20.95	<=30	Pass
		75	0	21.20	-0.33	20.87	<=30	Pass
	1772.5	1	0	22.13	-0.33	21.80	<=30	Pass
			38	22.04	-0.33	21.71	<=30	Pass
			74	21.99	-0.33	21.66	<=30	Pass
		36	0	21.24	-0.33	20.91	<=30	Pass
			18	21.16	-0.33	20.83	<=30	Pass
			39	21.15	-0.33	20.82	<=30	Pass
		75	0	21.19	-0.33	20.86	<=30	Pass
16QAM	1717.5	1	0	21.18	-0.33	20.85	<=30	Pass
			38	21.38	-0.33	21.05	<=30	Pass
			74	21.49	-0.33	21.16	<=30	Pass

		36	0	20.16	-0.33	19.83	<=30	Pass
			18	19.98	-0.33	19.65	<=30	Pass
			39	20.33	-0.33	20.00	<=30	Pass
		75	0	19.93	-0.33	19.60	<=30	Pass
	1745	1	0	22.18	-0.33	21.85	<=30	Pass
			38	21.97	-0.33	21.64	<=30	Pass
			74	22.11	-0.33	21.78	<=30	Pass
		36	0	20.55	-0.33	20.22	<=30	Pass
			18	20.35	-0.33	20.02	<=30	Pass
			39	20.37	-0.33	20.04	<=30	Pass
		75	0	20.26	-0.33	19.93	<=30	Pass
	1772.5	1	0	21.76	-0.33	21.43	<=30	Pass
			38	21.70	-0.33	21.37	<=30	Pass
			74	21.63	-0.33	21.30	<=30	Pass
		36	0	20.17	-0.33	19.84	<=30	Pass
			18	20.45	-0.33	20.12	<=30	Pass
			39	20.17	-0.33	19.84	<=30	Pass
		75	0	20.48	-0.33	20.15	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

Note1: EIRP=Conducted Power+Antenna Gain

1.1.6 B66_20MHz_EIRP

Band: 66 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1720	1	0	21.71	-0.33	21.38	<=30	Pass
			50	22.01	-0.33	21.68	<=30	Pass
			99	22.19	-0.33	21.86	<=30	Pass
		50	0	20.76	-0.33	20.43	<=30	Pass
			25	20.86	-0.33	20.53	<=30	Pass
			50	20.98	-0.33	20.65	<=30	Pass
	1745	1	0	20.87	-0.33	20.54	<=30	Pass
			50	22.18	-0.33	21.85	<=30	Pass
			99	22.33	-0.33	22.00	<=30	Pass
		50	0	22.35	-0.33	22.02	<=30	Pass
			25	21.09	-0.33	20.76	<=30	Pass
			50	21.21	-0.33	20.88	<=30	Pass
		100	0	21.32	-0.33	20.99	<=30	Pass
			25	21.23	-0.33	20.90	<=30	Pass
			50	21.32	-0.33	20.99	<=30	Pass
	1770	1	0	21.23	-0.33	20.90	<=30	Pass
			50	22.22	-0.33	21.89	<=30	Pass
			99	22.19	-0.33	21.86	<=30	Pass
		50	0	22.05	-0.33	21.72	<=30	Pass
			25	21.16	-0.33	20.83	<=30	Pass
			50	21.17	-0.33	20.84	<=30	Pass
		100	0	21.06	-0.33	20.73	<=30	Pass
			25	20.98	-0.33	20.65	<=30	Pass
			50	21.06	-0.33	20.73	<=30	Pass
16QAM	1720	1	0	20.98	-0.33	20.65	<=30	Pass
			50	21.33	-0.33	21.00	<=30	Pass
			99	21.68	-0.33	21.35	<=30	Pass
		50	0	21.93	-0.33	21.60	<=30	Pass
			25	20.10	-0.33	19.77	<=30	Pass
			50	19.97	-0.33	19.64	<=30	Pass
	1745	1	0	20.13	-0.33	19.80	<=30	Pass
			25	20.00	-0.33	19.67	<=30	Pass
			50	20.13	-0.33	19.80	<=30	Pass
		50	0	21.30	-0.33	20.97	<=30	Pass
			25	21.39	-0.33	21.06	<=30	Pass
			50	21.47	-0.33	21.14	<=30	Pass
		50	0	20.58	-0.33	20.25	<=30	Pass
			25	20.30	-0.33	19.97	<=30	Pass
			50	20.30	-0.33	19.97	<=30	Pass

		100	50	20.35	-0.33	20.02	<=30	Pass
			0	20.27	-0.33	19.94	<=30	Pass
	1770	1	0	21.75	-0.33	21.42	<=30	Pass
			50	21.76	-0.33	21.43	<=30	Pass
			99	21.72	-0.33	21.39	<=30	Pass
	50		0	20.13	-0.33	19.80	<=30	Pass
			25	20.12	-0.33	19.79	<=30	Pass
			50	20.11	-0.33	19.78	<=30	Pass
	100		0	20.14	-0.33	19.81	<=30	Pass
	Note1: EIRP=Conducted Power+Antenna Gain							

2. Frequency Stability

2.1 Test Result

2.1.1 B66_1.4MHz

Band: 66 / 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	-24.476	-0.0143	-2.5 to 2.5	Pass
					3.85	-9.685	-0.0057	-2.5 to 2.5	Pass
					4.43	-19.698	-0.0115	-2.5 to 2.5	Pass
				-30	3.85	-16.980	-0.0099	-2.5 to 2.5	Pass
					3.85	-35.448	-0.0207	-2.5 to 2.5	Pass
					3.85	-1.345	-0.0008	-2.5 to 2.5	Pass
				0	3.85	-17.867	-0.0104	-2.5 to 2.5	Pass
					3.85	-28.639	-0.0167	-2.5 to 2.5	Pass
					3.85	-24.691	-0.0144	-2.5 to 2.5	Pass
				30	3.85	-21.687	-0.0127	-2.5 to 2.5	Pass
					3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
					3.85	-8.597	-0.0050	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	0.644	0.0004	-2.5 to 2.5	Pass
					3.85	2.403	0.0014	-2.5 to 2.5	Pass
					4.43	20.628	0.0118	-2.5 to 2.5	Pass
				-30	3.85	35.920	0.0206	-2.5 to 2.5	Pass
					3.85	18.482	0.0106	-2.5 to 2.5	Pass
					3.85	30.155	0.0173	-2.5 to 2.5	Pass
				0	3.85	-10.715	-0.0061	-2.5 to 2.5	Pass
					3.85	12.445	0.0071	-2.5 to 2.5	Pass
					3.85	-3.762	-0.0022	-2.5 to 2.5	Pass
				30	3.85	15.922	0.0091	-2.5 to 2.5	Pass
					3.85	3.290	0.0019	-2.5 to 2.5	Pass
					3.85	3.290	0.0019	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-14.491	-0.0081	-2.5 to 2.5	Pass
					3.85	0.257	0.0001	-2.5 to 2.5	Pass
					4.43	13.804	0.0078	-2.5 to 2.5	Pass
				-30	3.85	26.979	0.0152	-2.5 to 2.5	Pass
					3.85	31.714	0.0178	-2.5 to 2.5	Pass
					3.85	24.405	0.0137	-2.5 to 2.5	Pass
				0	3.85	14.148	0.0080	-2.5 to 2.5	Pass
					3.85	23.646	0.0133	-2.5 to 2.5	Pass
					3.85	18.468	0.0104	-2.5 to 2.5	Pass
				30	3.85	21.858	0.0123	-2.5 to 2.5	Pass
					3.85	17.982	0.0101	-2.5 to 2.5	Pass
					3.85	17.982	0.0101	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.27	-36.435	-0.0213	-2.5 to 2.5	Pass
					3.85	-17.667	-0.0103	-2.5 to 2.5	Pass
					4.43	-17.939	-0.0105	-2.5 to 2.5	Pass
				-30	3.85	4.077	0.0024	-2.5 to 2.5	Pass

				-20	3.85	14.033	0.0082	-2.5 to 2.5	Pass
				-10	3.85	10.071	0.0059	-2.5 to 2.5	Pass
				0	3.85	6.423	0.0038	-2.5 to 2.5	Pass
				10	3.85	8.998	0.0053	-2.5 to 2.5	Pass
				30	3.85	7.124	0.0042	-2.5 to 2.5	Pass
				40	3.85	9.427	0.0055	-2.5 to 2.5	Pass
				50	3.85	13.046	0.0076	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	21.229	0.0122	-2.5 to 2.5	Pass
					3.85	35.820	0.0205	-2.5 to 2.5	Pass
					4.43	19.169	0.0110	-2.5 to 2.5	Pass
				-30	3.85	35.877	0.0206	-2.5 to 2.5	Pass
				-20	3.85	9.799	0.0056	-2.5 to 2.5	Pass
				-10	3.85	26.922	0.0154	-2.5 to 2.5	Pass
				0	3.85	-3.047	-0.0017	-2.5 to 2.5	Pass
				10	3.85	10.643	0.0061	-2.5 to 2.5	Pass
				30	3.85	31.271	0.0179	-2.5 to 2.5	Pass
				40	3.85	39.439	0.0226	-2.5 to 2.5	Pass
				50	3.85	20.685	0.0119	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	16.322	0.0092	-2.5 to 2.5	Pass
					3.85	12.646	0.0071	-2.5 to 2.5	Pass
					4.43	11.501	0.0065	-2.5 to 2.5	Pass
				-30	3.85	30.599	0.0172	-2.5 to 2.5	Pass
				-20	3.85	32.873	0.0185	-2.5 to 2.5	Pass
				-10	3.85	0.601	0.0003	-2.5 to 2.5	Pass
				0	3.85	14.048	0.0079	-2.5 to 2.5	Pass
				10	3.85	32.144	0.0181	-2.5 to 2.5	Pass
				30	3.85	-0.329	-0.0002	-2.5 to 2.5	Pass
				40	3.85	17.481	0.0098	-2.5 to 2.5	Pass
				50	3.85	32.430	0.0182	-2.5 to 2.5	Pass

2.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.27	3.304	0.0019	-2.5 to 2.5	Pass
					3.85	23.503	0.0137	-2.5 to 2.5	Pass
					4.43	9.885	0.0058	-2.5 to 2.5	Pass
				-30	3.85	31.371	0.0183	-2.5 to 2.5	Pass
				-20	3.85	18.711	0.0109	-2.5 to 2.5	Pass
				-10	3.85	14.176	0.0083	-2.5 to 2.5	Pass
				0	3.85	11.687	0.0068	-2.5 to 2.5	Pass
				10	3.85	26.808	0.0157	-2.5 to 2.5	Pass
				30	3.85	15.864	0.0093	-2.5 to 2.5	Pass
				40	3.85	33.746	0.0197	-2.5 to 2.5	Pass
				50	3.85	37.136	0.0217	-2.5 to 2.5	Pass
	1745	15	0	20	3.27	-22.016	-0.0126	-2.5 to 2.5	Pass
					3.85	8.869	0.0051	-2.5 to 2.5	Pass
					4.43	9.112	0.0052	-2.5 to 2.5	Pass
				-30	3.85	13.847	0.0079	-2.5 to 2.5	Pass
				-20	3.85	15.550	0.0089	-2.5 to 2.5	Pass
				-10	3.85	3.176	0.0018	-2.5 to 2.5	Pass
				0	3.85	35.062	0.0201	-2.5 to 2.5	Pass
				10	3.85	23.274	0.0133	-2.5 to 2.5	Pass
				30	3.85	-1.101	-0.0006	-2.5 to 2.5	Pass
				40	3.85	24.662	0.0141	-2.5 to 2.5	Pass
				50	3.85	7.110	0.0041	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-4.306	-0.0024	-2.5 to 2.5	Pass

					3.85	-13.862	-0.0078	-2.5 to 2.5	Pass
					4.43	7.339	0.0041	-2.5 to 2.5	Pass
				-30	3.85	23.589	0.0133	-2.5 to 2.5	Pass
				-20	3.85	27.952	0.0157	-2.5 to 2.5	Pass
				-10	3.85	7.997	0.0045	-2.5 to 2.5	Pass
				0	3.85	-7.911	-0.0044	-2.5 to 2.5	Pass
				10	3.85	-6.824	-0.0038	-2.5 to 2.5	Pass
				30	3.85	-10.042	-0.0056	-2.5 to 2.5	Pass
				40	3.85	-10.858	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-17.896	-0.0101	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.27	8.211	0.0048	-2.5 to 2.5	Pass
					3.85	22.030	0.0129	-2.5 to 2.5	Pass
					4.43	29.984	0.0175	-2.5 to 2.5	Pass
				-30	3.85	8.898	0.0052	-2.5 to 2.5	Pass
				-20	3.85	19.255	0.0113	-2.5 to 2.5	Pass
				-10	3.85	29.383	0.0172	-2.5 to 2.5	Pass
				0	3.85	41.456	0.0242	-2.5 to 2.5	Pass
				10	3.85	16.065	0.0094	-2.5 to 2.5	Pass
				30	3.85	38.352	0.0224	-2.5 to 2.5	Pass
				40	3.85	22.817	0.0133	-2.5 to 2.5	Pass
	50	3.85	40.684	0.0238	-2.5 to 2.5	Pass			
	1745	15	0	20	3.27	15.278	0.0088	-2.5 to 2.5	Pass
					3.85	-11.172	-0.0064	-2.5 to 2.5	Pass
					4.43	-24.676	-0.0141	-2.5 to 2.5	Pass
				-30	3.85	0.772	0.0004	-2.5 to 2.5	Pass
				-20	3.85	-14.691	-0.0084	-2.5 to 2.5	Pass
				-10	3.85	-22.860	-0.0131	-2.5 to 2.5	Pass
				0	3.85	-29.955	-0.0172	-2.5 to 2.5	Pass
				10	3.85	-12.646	-0.0072	-2.5 to 2.5	Pass
				30	3.85	9.499	0.0054	-2.5 to 2.5	Pass
				40	3.85	-9.313	-0.0053	-2.5 to 2.5	Pass
	50	3.85	-17.138	-0.0098	-2.5 to 2.5	Pass			
	1778.5	15	0	20	3.27	-22.573	-0.0127	-2.5 to 2.5	Pass
					3.85	-20.571	-0.0116	-2.5 to 2.5	Pass
					4.43	-5.593	-0.0031	-2.5 to 2.5	Pass
				-30	3.85	-42.744	-0.0240	-2.5 to 2.5	Pass
				-20	3.85	-28.281	-0.0159	-2.5 to 2.5	Pass
				-10	3.85	-4.807	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-35.620	-0.0200	-2.5 to 2.5	Pass
				10	3.85	-14.391	-0.0081	-2.5 to 2.5	Pass
30				3.85	-38.152	-0.0215	-2.5 to 2.5	Pass	
40				3.85	-25.907	-0.0146	-2.5 to 2.5	Pass	
50	3.85	-10.371	-0.0058	-2.5 to 2.5	Pass				

2.1.3 B66_5MHz

Band: 66 / 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	-8.340	-0.0049	-2.5 to 2.5	Pass
					3.85	14.076	0.0082	-2.5 to 2.5	Pass
					4.43	29.984	0.0175	-2.5 to 2.5	Pass
				-30	3.85	33.603	0.0196	-2.5 to 2.5	Pass
				-20	3.85	32.845	0.0192	-2.5 to 2.5	Pass
				-10	3.85	39.067	0.0228	-2.5 to 2.5	Pass
				0	3.85	13.604	0.0079	-2.5 to 2.5	Pass
				10	3.85	8.497	0.0050	-2.5 to 2.5	Pass
				30	3.85	21.300	0.0124	-2.5 to 2.5	Pass

16QAM	1745	25	0	40	3.85	23.675	0.0138	-2.5 to 2.5	Pass
				50	3.85	6.595	0.0039	-2.5 to 2.5	Pass
				20	3.27	-28.481	-0.0163	-2.5 to 2.5	Pass
					3.85	-5.579	-0.0032	-2.5 to 2.5	Pass
					4.43	16.222	0.0093	-2.5 to 2.5	Pass
				-30	3.85	31.085	0.0178	-2.5 to 2.5	Pass
				-20	3.85	38.867	0.0223	-2.5 to 2.5	Pass
				-10	3.85	24.548	0.0141	-2.5 to 2.5	Pass
				0	3.85	8.583	0.0049	-2.5 to 2.5	Pass
				10	3.85	27.537	0.0158	-2.5 to 2.5	Pass
	1777.5	25	0	30	3.85	8.211	0.0047	-2.5 to 2.5	Pass
				40	3.85	29.955	0.0172	-2.5 to 2.5	Pass
				50	3.85	29.426	0.0169	-2.5 to 2.5	Pass
				20	3.27	-41.986	-0.0236	-2.5 to 2.5	Pass
					3.85	-0.443	-0.0002	-2.5 to 2.5	Pass
					4.43	19.870	0.0112	-2.5 to 2.5	Pass
				-30	3.85	28.124	0.0158	-2.5 to 2.5	Pass
				-20	3.85	4.134	0.0023	-2.5 to 2.5	Pass
				-10	3.85	27.637	0.0155	-2.5 to 2.5	Pass
				0	3.85	38.037	0.0214	-2.5 to 2.5	Pass
				10	3.85	6.895	0.0039	-2.5 to 2.5	Pass
				30	3.85	17.610	0.0099	-2.5 to 2.5	Pass
				40	3.85	28.839	0.0162	-2.5 to 2.5	Pass
				50	3.85	18.382	0.0103	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	0.315	0.0002	-2.5 to 2.5	Pass
					3.85	-7.868	-0.0046	-2.5 to 2.5	Pass
					4.43	-11.029	-0.0064	-2.5 to 2.5	Pass
				-30	3.85	4.020	0.0023	-2.5 to 2.5	Pass
				-20	3.85	14.076	0.0082	-2.5 to 2.5	Pass
				-10	3.85	23.718	0.0138	-2.5 to 2.5	Pass
				0	3.85	9.427	0.0055	-2.5 to 2.5	Pass
				10	3.85	23.932	0.0140	-2.5 to 2.5	Pass
				30	3.85	41.485	0.0242	-2.5 to 2.5	Pass
				40	3.85	26.021	0.0152	-2.5 to 2.5	Pass
	1745	25	0	50	3.85	38.838	0.0227	-2.5 to 2.5	Pass
				20	3.27	6.523	0.0037	-2.5 to 2.5	Pass
					3.85	-22.430	-0.0129	-2.5 to 2.5	Pass
					4.43	0.529	0.0003	-2.5 to 2.5	Pass
				-30	3.85	-17.381	-0.0100	-2.5 to 2.5	Pass
				-20	3.85	-16.308	-0.0093	-2.5 to 2.5	Pass
				-10	3.85	-14.720	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-12.975	-0.0074	-2.5 to 2.5	Pass
				10	3.85	-14.591	-0.0084	-2.5 to 2.5	Pass
				30	3.85	-23.160	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-27.022	-0.0155	-2.5 to 2.5	Pass
				50	3.85	-32.115	-0.0184	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	9.241	0.0052	-2.5 to 2.5	Pass
					3.85	-18.454	-0.0104	-2.5 to 2.5	Pass
					4.43	-35.148	-0.0198	-2.5 to 2.5	Pass
				-30	3.85	-0.830	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-7.110	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	-21.172	-0.0119	-2.5 to 2.5	Pass
				0	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-28.481	-0.0160	-2.5 to 2.5	Pass
				30	3.85	-9.227	-0.0052	-2.5 to 2.5	Pass
				40	3.85	-22.445	-0.0126	-2.5 to 2.5	Pass
				50	3.85	-27.795	-0.0156	-2.5 to 2.5	Pass

2.1.4 B66_10MHz

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Version: 1/00

Band: 66 / 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	-29.039	-0.0169	-2.5 to 2.5	Pass
					3.85	-20.399	-0.0119	-2.5 to 2.5	Pass
					4.43	-22.674	-0.0132	-2.5 to 2.5	Pass
				-30	3.85	-27.752	-0.0162	-2.5 to 2.5	Pass
				-20	3.85	-13.776	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-23.246	-0.0136	-2.5 to 2.5	Pass
				10	3.85	-27.108	-0.0158	-2.5 to 2.5	Pass
				30	3.85	-19.484	-0.0114	-2.5 to 2.5	Pass
				40	3.85	-36.407	-0.0212	-2.5 to 2.5	Pass
				50	3.85	3.362	0.0020	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	-15.936	-0.0091	-2.5 to 2.5	Pass
					3.85	5.651	0.0032	-2.5 to 2.5	Pass
					4.43	31.257	0.0179	-2.5 to 2.5	Pass
				-30	3.85	21.729	0.0125	-2.5 to 2.5	Pass
				-20	3.85	18.411	0.0106	-2.5 to 2.5	Pass
				-10	3.85	40.011	0.0229	-2.5 to 2.5	Pass
				0	3.85	25.792	0.0148	-2.5 to 2.5	Pass
				10	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				30	3.85	23.317	0.0134	-2.5 to 2.5	Pass
				40	3.85	39.382	0.0226	-2.5 to 2.5	Pass
				50	3.85	28.996	0.0166	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	-24.219	-0.0136	-2.5 to 2.5	Pass
					3.85	7.553	0.0043	-2.5 to 2.5	Pass
					4.43	14.992	0.0084	-2.5 to 2.5	Pass
				-30	3.85	9.971	0.0056	-2.5 to 2.5	Pass
				-20	3.85	8.154	0.0046	-2.5 to 2.5	Pass
				-10	3.85	37.508	0.0211	-2.5 to 2.5	Pass
				0	3.85	19.140	0.0108	-2.5 to 2.5	Pass
				10	3.85	24.390	0.0137	-2.5 to 2.5	Pass
				30	3.85	1.388	0.0008	-2.5 to 2.5	Pass
				40	3.85	25.778	0.0145	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	1.116	0.0007	-2.5 to 2.5	Pass
					3.85	0.343	0.0002	-2.5 to 2.5	Pass
					4.43	2.117	0.0012	-2.5 to 2.5	Pass
				-30	3.85	7.682	0.0045	-2.5 to 2.5	Pass
				-20	3.85	16.637	0.0097	-2.5 to 2.5	Pass
				-10	3.85	21.243	0.0124	-2.5 to 2.5	Pass
				0	3.85	29.140	0.0170	-2.5 to 2.5	Pass
				10	3.85	39.411	0.0230	-2.5 to 2.5	Pass
				30	3.85	-1.874	-0.0011	-2.5 to 2.5	Pass
				40	3.85	9.971	0.0058	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	3.405	0.0020	-2.5 to 2.5	Pass
					3.85	-2.232	-0.0013	-2.5 to 2.5	Pass
					4.43	-3.462	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-1.116	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	5.293	0.0030	-2.5 to 2.5	Pass
				-10	3.85	8.898	0.0051	-2.5 to 2.5	Pass
				0	3.85	7.610	0.0044	-2.5 to 2.5	Pass
				10	3.85	9.384	0.0054	-2.5 to 2.5	Pass
				30	3.85	23.875	0.0137	-2.5 to 2.5	Pass
				40	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	0.286	0.0002	-2.5 to 2.5	Pass
					3.85	-32.330	-0.0182	-2.5 to 2.5	Pass

				4.43	-7.539	-0.0042	-2.5 to 2.5	Pass
			-30	3.85	-15.764	-0.0089	-2.5 to 2.5	Pass
			-20	3.85	-14.520	-0.0082	-2.5 to 2.5	Pass
			-10	3.85	-2.031	-0.0011	-2.5 to 2.5	Pass
			0	3.85	34.103	0.0192	-2.5 to 2.5	Pass
			10	3.85	13.905	0.0078	-2.5 to 2.5	Pass
			30	3.85	25.792	0.0145	-2.5 to 2.5	Pass
			40	3.85	7.796	0.0044	-2.5 to 2.5	Pass
			50	3.85	16.851	0.0095	-2.5 to 2.5	Pass

2.1.5 B66_15MHz

Band: 66 / 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	-24.390	-0.0142	-2.5 to 2.5	Pass
					3.85	-21.029	-0.0122	-2.5 to 2.5	Pass
					4.43	-27.180	-0.0158	-2.5 to 2.5	Pass
				-30	3.85	-24.047	-0.0140	-2.5 to 2.5	Pass
				-20	3.85	-13.733	-0.0080	-2.5 to 2.5	Pass
				-10	3.85	-23.060	-0.0134	-2.5 to 2.5	Pass
				0	3.85	-14.505	-0.0084	-2.5 to 2.5	Pass
				10	3.85	-27.909	-0.0162	-2.5 to 2.5	Pass
				30	3.85	-32.086	-0.0187	-2.5 to 2.5	Pass
				40	3.85	-40.741	-0.0237	-2.5 to 2.5	Pass
				50	3.85	-10.486	-0.0061	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	-0.744	-0.0004	-2.5 to 2.5	Pass
					3.85	-13.962	-0.0080	-2.5 to 2.5	Pass
					4.43	-24.376	-0.0140	-2.5 to 2.5	Pass
				-30	3.85	-27.409	-0.0157	-2.5 to 2.5	Pass
				-20	3.85	-29.254	-0.0168	-2.5 to 2.5	Pass
				-10	3.85	-31.543	-0.0181	-2.5 to 2.5	Pass
				0	3.85	-31.757	-0.0182	-2.5 to 2.5	Pass
				10	3.85	-22.817	-0.0131	-2.5 to 2.5	Pass
				30	3.85	-15.535	-0.0089	-2.5 to 2.5	Pass
				40	3.85	-8.698	-0.0050	-2.5 to 2.5	Pass
				50	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	-14.334	-0.0081	-2.5 to 2.5	Pass
					3.85	9.742	0.0055	-2.5 to 2.5	Pass
					4.43	30.613	0.0173	-2.5 to 2.5	Pass
				-30	3.85	20.771	0.0117	-2.5 to 2.5	Pass
				-20	3.85	13.919	0.0079	-2.5 to 2.5	Pass
				-10	3.85	20.685	0.0117	-2.5 to 2.5	Pass
				0	3.85	35.062	0.0198	-2.5 to 2.5	Pass
				10	3.85	27.080	0.0153	-2.5 to 2.5	Pass
				30	3.85	6.909	0.0039	-2.5 to 2.5	Pass
				40	3.85	-12.603	-0.0071	-2.5 to 2.5	Pass
50	3.85	14.191	0.0080	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.27	-21.071	-0.0123	-2.5 to 2.5	Pass
					3.85	-18.911	-0.0110	-2.5 to 2.5	Pass
					4.43	-34.218	-0.0199	-2.5 to 2.5	Pass
				-30	3.85	-18.640	-0.0109	-2.5 to 2.5	Pass
				-20	3.85	-11.659	-0.0068	-2.5 to 2.5	Pass
				-10	3.85	-38.924	-0.0227	-2.5 to 2.5	Pass
				0	3.85	-25.420	-0.0148	-2.5 to 2.5	Pass
				10	3.85	-32.201	-0.0187	-2.5 to 2.5	Pass
				30	3.85	-24.977	-0.0145	-2.5 to 2.5	Pass
				40	3.85	-41.614	-0.0242	-2.5 to 2.5	Pass

	1745	75	0	50	3.85	4.807	0.0028	-2.5 to 2.5	Pass
				20	3.27	12.946	0.0074	-2.5 to 2.5	Pass
					3.85	18.196	0.0104	-2.5 to 2.5	Pass
					4.43	30.642	0.0176	-2.5 to 2.5	Pass
				-30	3.85	38.939	0.0223	-2.5 to 2.5	Pass
				-20	3.85	11.258	0.0065	-2.5 to 2.5	Pass
				-10	3.85	24.619	0.0141	-2.5 to 2.5	Pass
				0	3.85	32.487	0.0186	-2.5 to 2.5	Pass
				10	3.85	25.363	0.0145	-2.5 to 2.5	Pass
				30	3.85	21.601	0.0124	-2.5 to 2.5	Pass
	1772.5	75	0	40	3.85	35.319	0.0202	-2.5 to 2.5	Pass
				50	3.85	-11.601	-0.0066	-2.5 to 2.5	Pass
				20	3.27	17.037	0.0096	-2.5 to 2.5	Pass
					3.85	34.633	0.0195	-2.5 to 2.5	Pass
					4.43	24.691	0.0139	-2.5 to 2.5	Pass
				-30	3.85	6.852	0.0039	-2.5 to 2.5	Pass
				-20	3.85	26.579	0.0150	-2.5 to 2.5	Pass
				-10	3.85	-5.050	-0.0028	-2.5 to 2.5	Pass
				0	3.85	20.428	0.0115	-2.5 to 2.5	Pass
				10	3.85	4.950	0.0028	-2.5 to 2.5	Pass
				30	3.85	27.280	0.0154	-2.5 to 2.5	Pass
				40	3.85	9.441	0.0053	-2.5 to 2.5	Pass
				50	3.85	26.836	0.0151	-2.5 to 2.5	Pass

2.1.6 B66_20MHz

Band: 66 / 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	12.918	0.0075	-2.5 to 2.5	Pass
					3.85	22.616	0.0131	-2.5 to 2.5	Pass
					4.43	23.875	0.0139	-2.5 to 2.5	Pass
				-30	3.85	17.352	0.0101	-2.5 to 2.5	Pass
				-20	3.85	19.512	0.0113	-2.5 to 2.5	Pass
				-10	3.85	25.048	0.0146	-2.5 to 2.5	Pass
				0	3.85	22.287	0.0130	-2.5 to 2.5	Pass
				10	3.85	-4.950	-0.0029	-2.5 to 2.5	Pass
				30	3.85	19.140	0.0111	-2.5 to 2.5	Pass
				40	3.85	7.510	0.0044	-2.5 to 2.5	Pass
				50	3.85	28.853	0.0168	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-30.613	-0.0175	-2.5 to 2.5	Pass
					3.85	20.270	0.0116	-2.5 to 2.5	Pass
					4.43	19.283	0.0111	-2.5 to 2.5	Pass
				-30	3.85	27.351	0.0157	-2.5 to 2.5	Pass
				-20	3.85	17.352	0.0099	-2.5 to 2.5	Pass
				-10	3.85	16.093	0.0092	-2.5 to 2.5	Pass
				0	3.85	22.473	0.0129	-2.5 to 2.5	Pass
				10	3.85	14.591	0.0084	-2.5 to 2.5	Pass
				30	3.85	14.935	0.0086	-2.5 to 2.5	Pass
				40	3.85	16.952	0.0097	-2.5 to 2.5	Pass
				50	3.85	16.880	0.0097	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	-12.403	-0.0070	-2.5 to 2.5	Pass
					3.85	26.650	0.0151	-2.5 to 2.5	Pass
					4.43	22.874	0.0129	-2.5 to 2.5	Pass
				-30	3.85	30.828	0.0174	-2.5 to 2.5	Pass
				-20	3.85	38.495	0.0217	-2.5 to 2.5	Pass
				-10	3.85	24.991	0.0141	-2.5 to 2.5	Pass
				0	3.85	13.089	0.0074	-2.5 to 2.5	Pass

16QAM				10	3.85	24.633	0.0139	-2.5 to 2.5	Pass
				30	3.85	12.989	0.0073	-2.5 to 2.5	Pass
				40	3.85	22.545	0.0127	-2.5 to 2.5	Pass
				50	3.85	6.609	0.0037	-2.5 to 2.5	Pass
	1720	100	0	20	3.27	18.368	0.0107	-2.5 to 2.5	Pass
					3.85	10.915	0.0063	-2.5 to 2.5	Pass
					4.43	36.893	0.0214	-2.5 to 2.5	Pass
				-30	3.85	18.725	0.0109	-2.5 to 2.5	Pass
				-20	3.85	11.559	0.0067	-2.5 to 2.5	Pass
				-10	3.85	33.231	0.0193	-2.5 to 2.5	Pass
				0	3.85	4.449	0.0026	-2.5 to 2.5	Pass
				10	3.85	16.751	0.0097	-2.5 to 2.5	Pass
				30	3.85	11.044	0.0064	-2.5 to 2.5	Pass
				40	3.85	8.926	0.0052	-2.5 to 2.5	Pass
				50	3.85	12.345	0.0072	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	11.888	0.0068	-2.5 to 2.5	Pass
					3.85	9.127	0.0052	-2.5 to 2.5	Pass
					4.43	-5.035	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-24.977	-0.0143	-2.5 to 2.5	Pass
				-20	3.85	-18.368	-0.0105	-2.5 to 2.5	Pass
				-10	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass
				0	3.85	14.420	0.0083	-2.5 to 2.5	Pass
				10	3.85	22.244	0.0127	-2.5 to 2.5	Pass
				30	3.85	22.030	0.0126	-2.5 to 2.5	Pass
				40	3.85	25.220	0.0145	-2.5 to 2.5	Pass
				50	3.85	34.118	0.0196	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	8.368	0.0047	-2.5 to 2.5	Pass
					3.85	-6.351	-0.0036	-2.5 to 2.5	Pass
					4.43	-12.174	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-17.481	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-15.535	-0.0088	-2.5 to 2.5	Pass
				-10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass
				0	3.85	14.977	0.0085	-2.5 to 2.5	Pass
				10	3.85	17.238	0.0097	-2.5 to 2.5	Pass
				30	3.85	3.433	0.0019	-2.5 to 2.5	Pass
				40	3.85	9.155	0.0052	-2.5 to 2.5	Pass
				50	3.85	16.336	0.0092	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B66_1.4MHz

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	6	0	Refer To Test Graph		Pass
16QAM	1745	6	0	Refer To Test Graph		Pass

3.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	15	0	Refer To Test Graph		Pass

16QAM	1745	15	0	Refer To Test Graph	Pass
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3.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1745	25	0	Refer To Test Graph	Pass
16QAM	1745	25	0	Refer To Test Graph	Pass

3.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1745	50	0	Refer To Test Graph	Pass
16QAM	1745	50	0	Refer To Test Graph	Pass

3.1.5 B66_15MHz

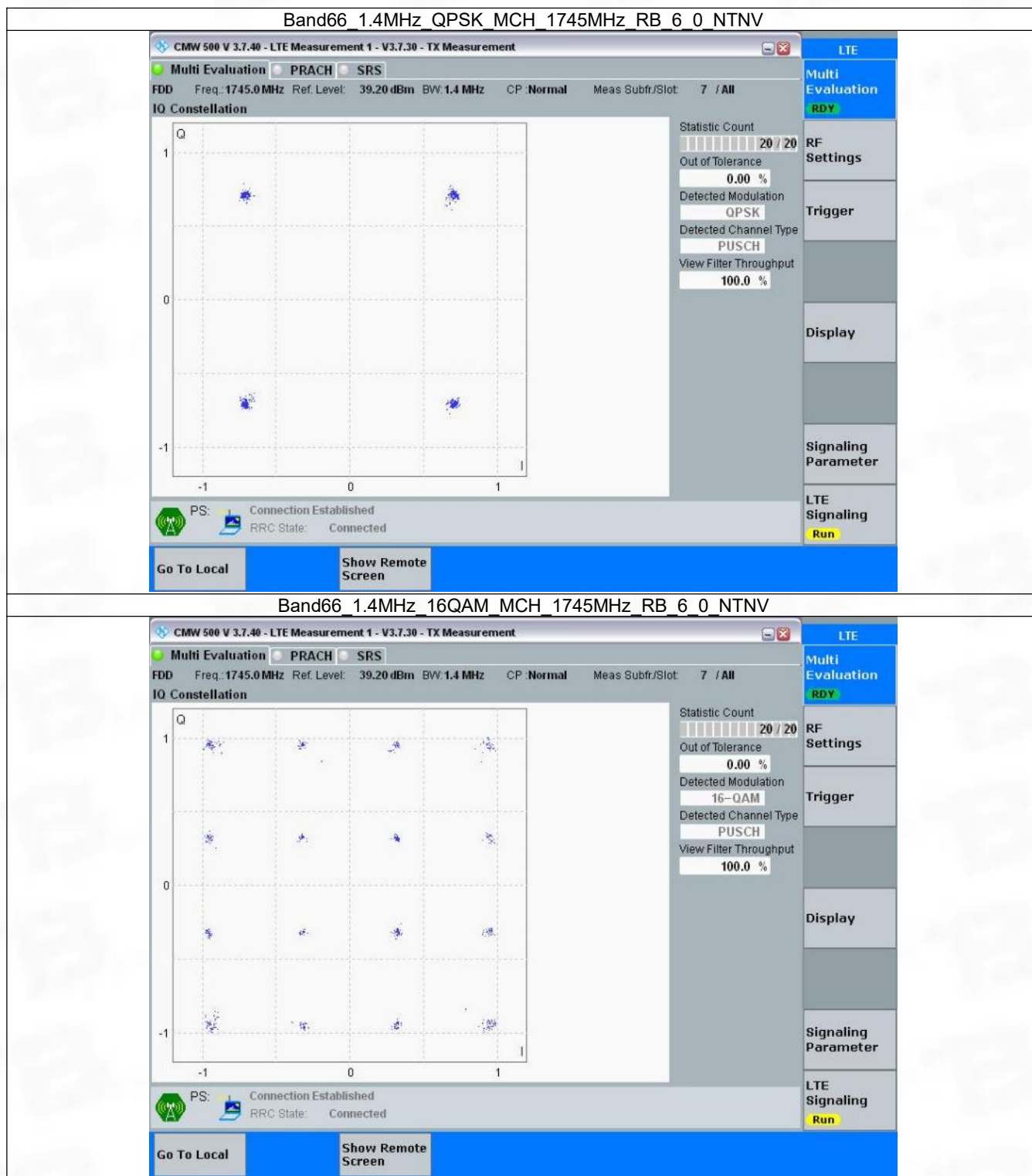
Band: 66 / Bandwidth: 15MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1745	75	0	Refer To Test Graph	Pass
16QAM	1745	75	0	Refer To Test Graph	Pass

3.1.6 B66_20MHz

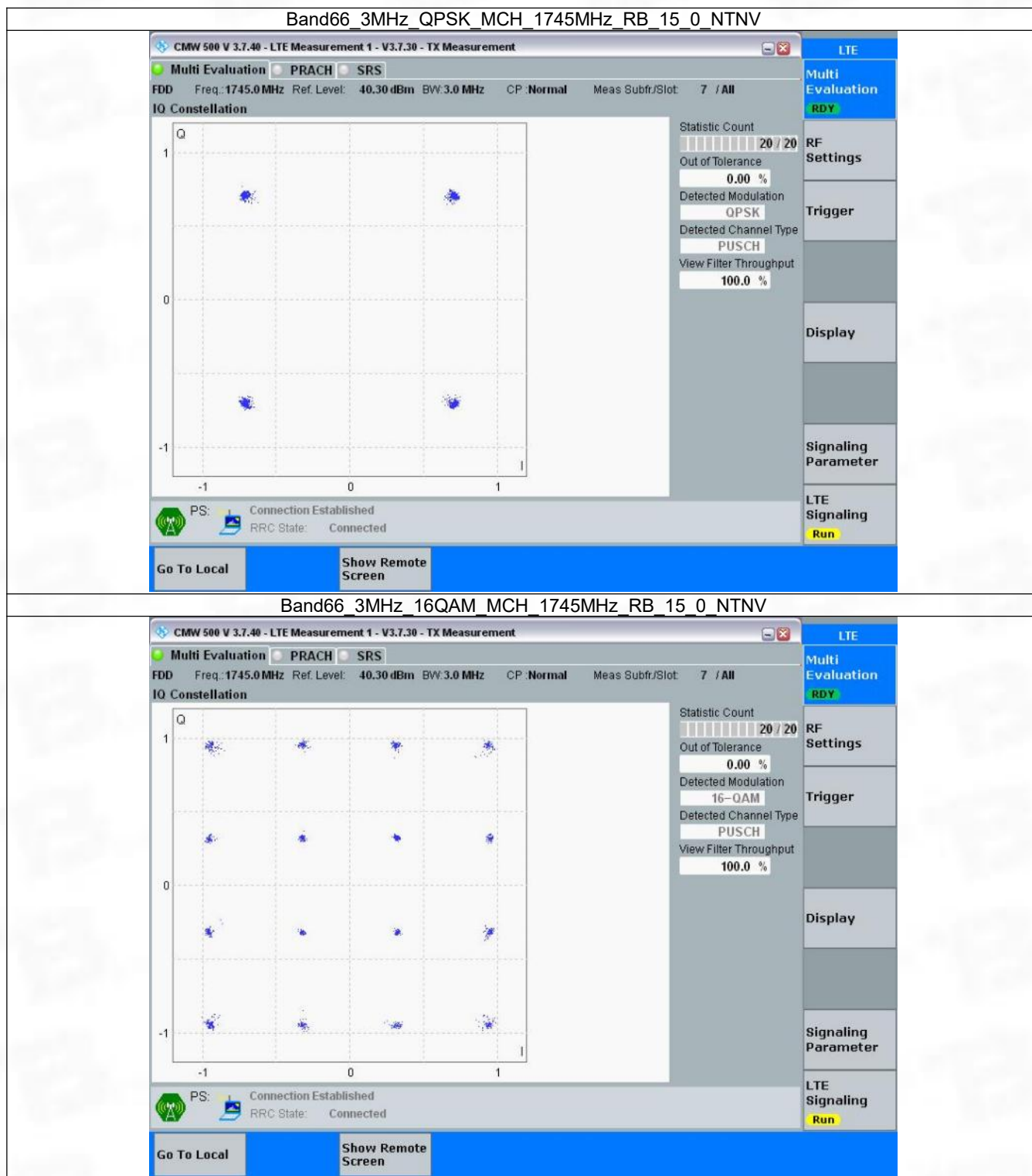
Band: 66 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics	
		Size	Offset	Result	Limit
QPSK	1745	100	0	Refer To Test Graph	Pass
16QAM	1745	100	0	Refer To Test Graph	Pass

3.2 Test Graph

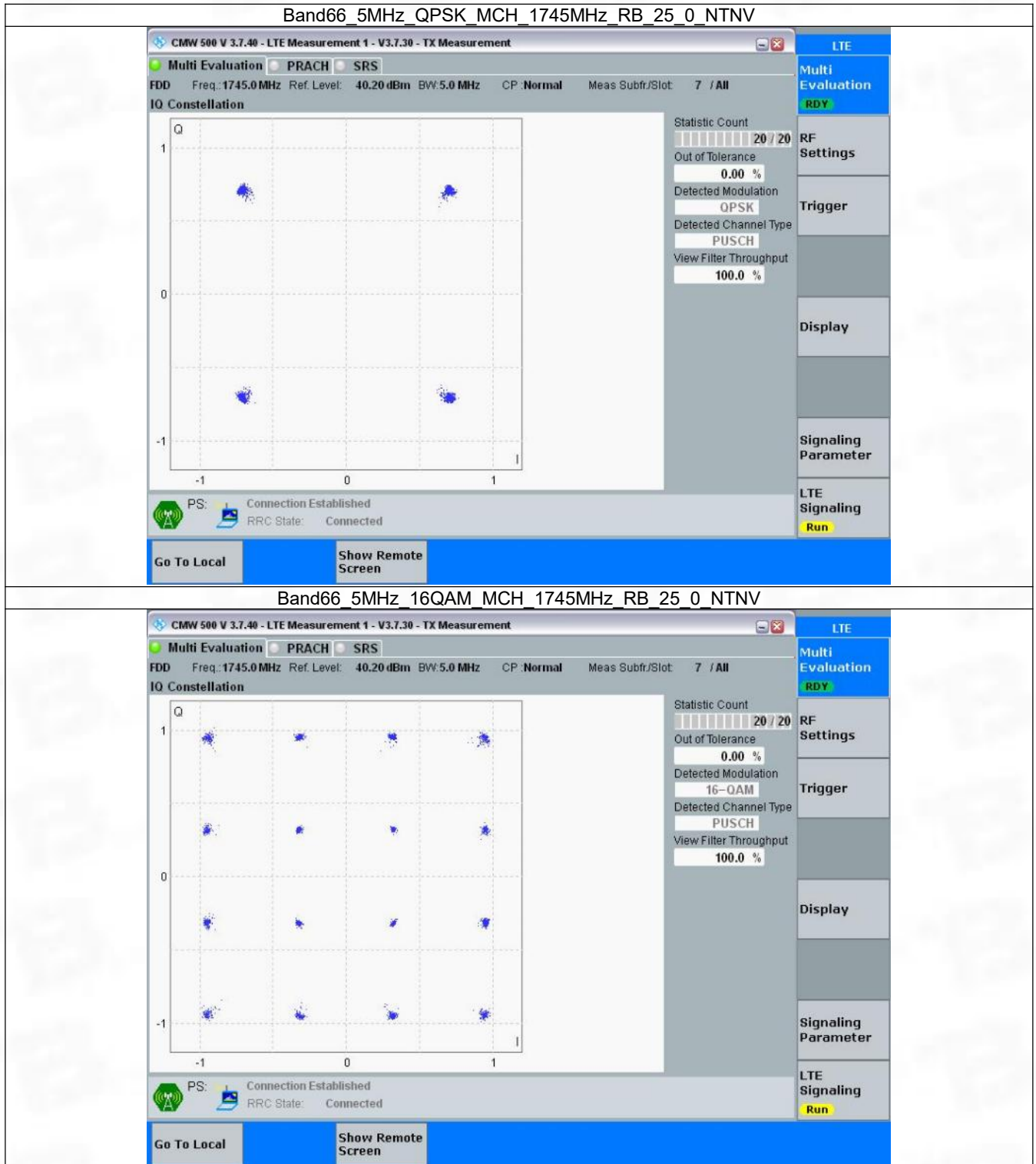
3.2.1 B66_1.4MHz



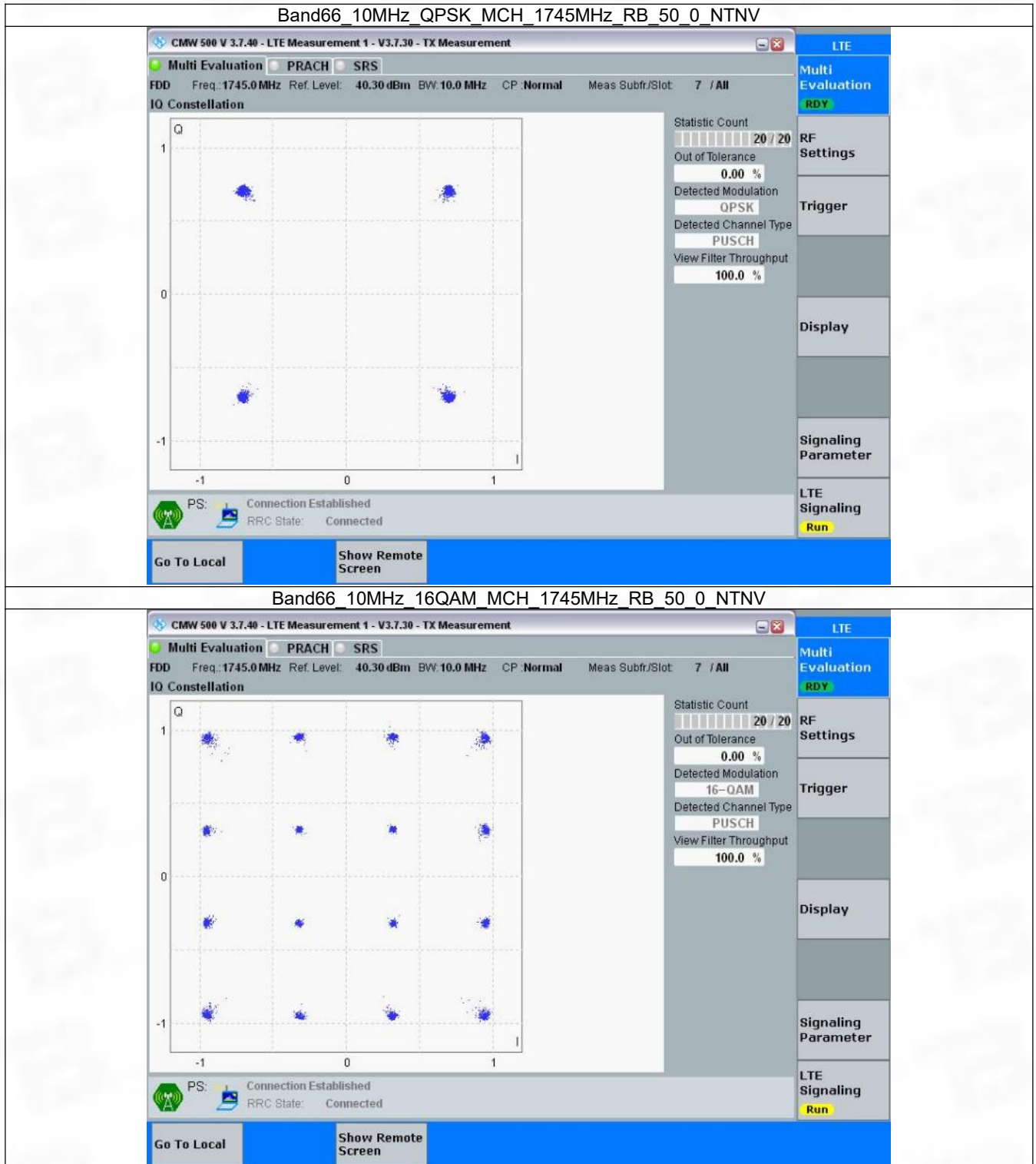
3.2.2 B66_3MHz



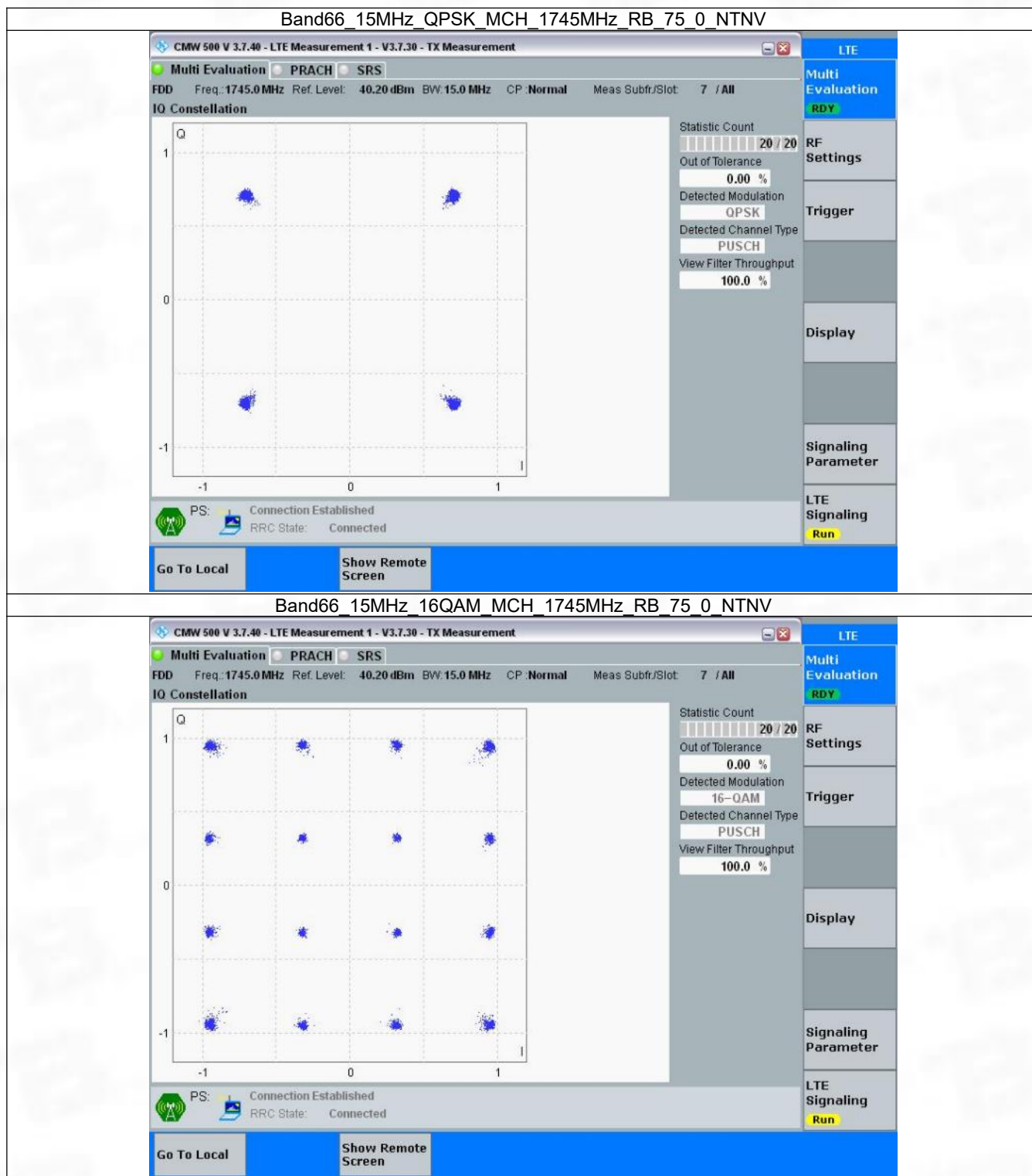
3.2.3 B66_5MHz



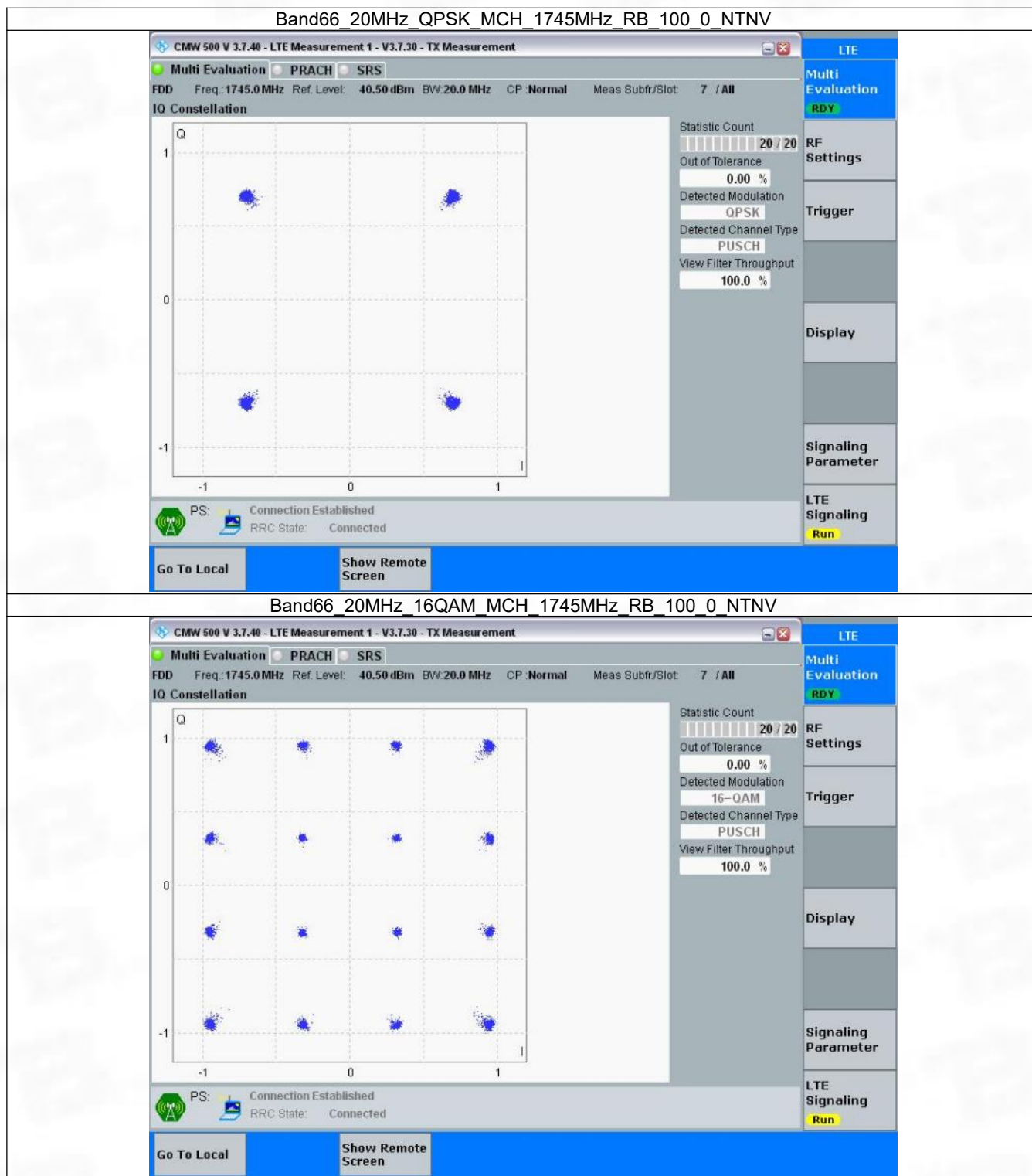
3.2.4 B66_10MHz



3.2.5 B66_15MHz



3.2.6 B66_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band66_OBW

Band: 66 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.115	/	Pass
		1745	6	0	1.110	/	Pass
		1779.3	6	0	1.111	/	Pass
	16QAM	1710.7	6	0	1.107	/	Pass
		1745	6	0	1.106	/	Pass
		1779.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.750	/	Pass
		1745	15	0	2.745	/	Pass
		1778.5	15	0	2.774	/	Pass
	16QAM	1711.5	15	0	2.774	/	Pass
		1745	15	0	2.746	/	Pass
		1778.5	15	0	2.750	/	Pass
5	QPSK	1712.5	25	0	4.549	/	Pass
		1745	25	0	4.552	/	Pass
		1777.5	25	0	4.562	/	Pass
	16QAM	1712.5	25	0	4.574	/	Pass
		1745	25	0	4.570	/	Pass
		1777.5	25	0	4.529	/	Pass
10	QPSK	1715	50	0	9.093	/	Pass
		1745	50	0	9.066	/	Pass
		1775	50	0	9.068	/	Pass
	16QAM	1715	50	0	9.066	/	Pass
		1745	50	0	9.078	/	Pass
		1775	50	0	9.057	/	Pass
15	QPSK	1717.5	75	0	13.580	/	Pass
		1745	75	0	13.603	/	Pass
		1772.5	75	0	13.614	/	Pass
	16QAM	1717.5	75	0	13.638	/	Pass
		1745	75	0	13.609	/	Pass
		1772.5	75	0	13.600	/	Pass
20	QPSK	1720	100	0	18.182	/	Pass
		1745	100	0	18.108	/	Pass
		1770	100	0	18.164	/	Pass
	16QAM	1720	100	0	18.198	/	Pass
		1745	100	0	18.182	/	Pass
		1770	100	0	18.232	/	Pass

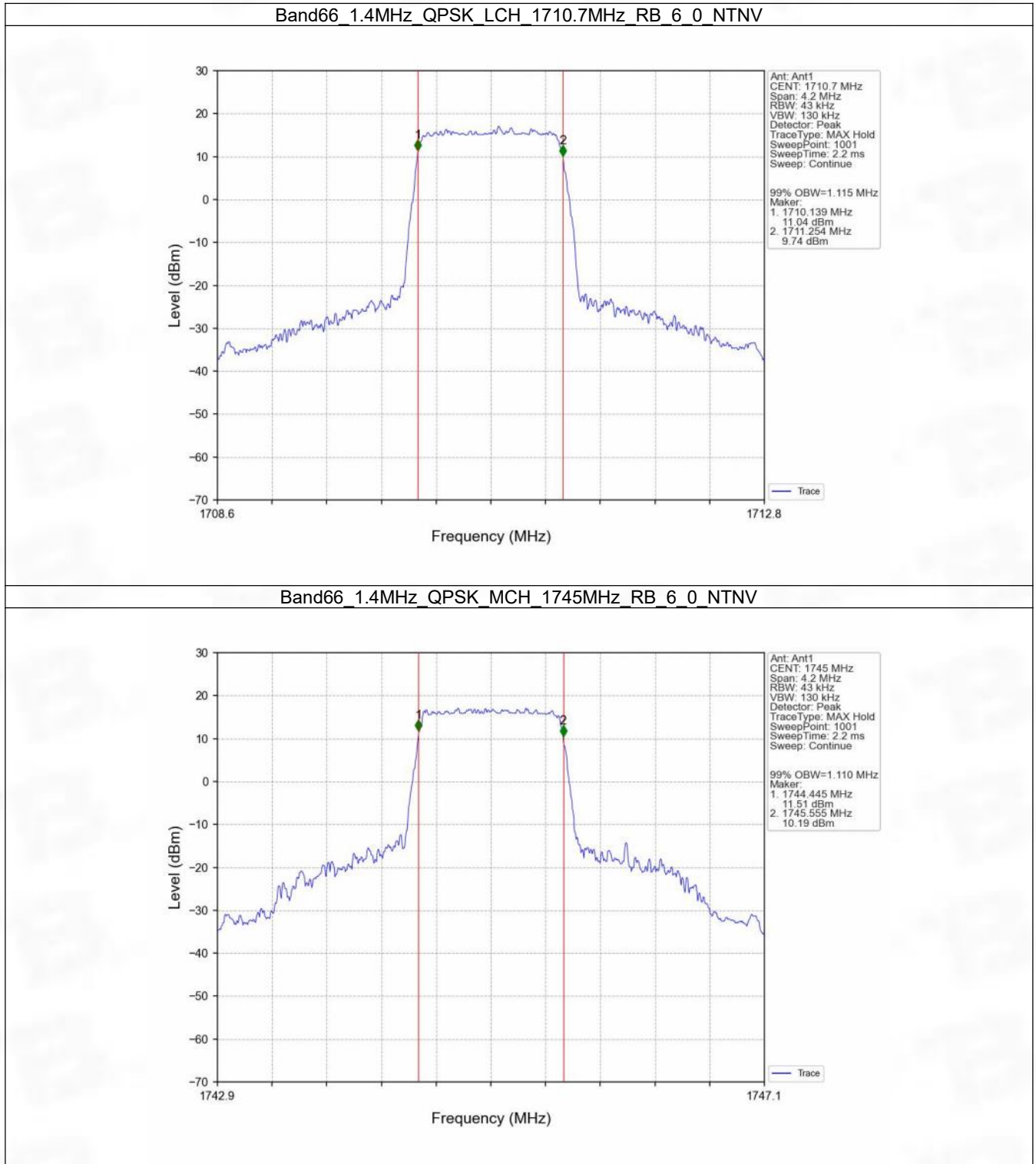
4.1.2 Band66_XDB

Band: 66 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.276	/	Pass
		1745	6	0	1.276	/	Pass
		1779.3	6	0	1.272	/	Pass
	16QAM	1710.7	6	0	1.278	/	Pass

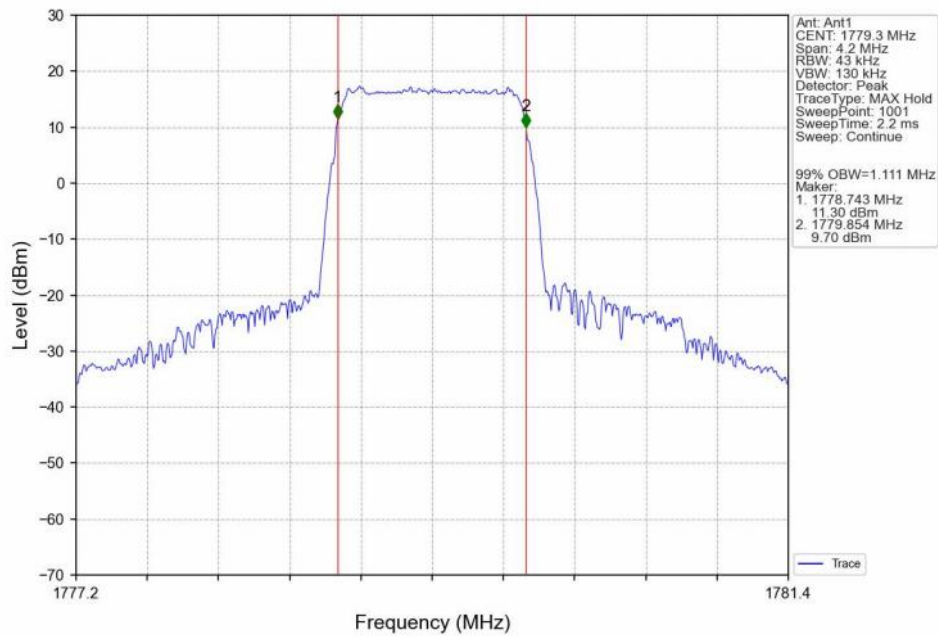
		1745	6	0	1.264	/	Pass
		1779.3	6	0	1.273	/	Pass
3	QPSK	1711.5	15	0	3.085	/	Pass
		1745	15	0	3.100	/	Pass
		1778.5	15	0	3.100	/	Pass
	16QAM	1711.5	15	0	3.113	/	Pass
		1745	15	0	3.103	/	Pass
		1778.5	15	0	3.081	/	Pass
5	QPSK	1712.5	25	0	5.030	/	Pass
		1745	25	0	5.037	/	Pass
		1777.5	25	0	5.020	/	Pass
	16QAM	1712.5	25	0	5.039	/	Pass
		1745	25	0	5.067	/	Pass
		1777.5	25	0	5.045	/	Pass
10	QPSK	1715	50	0	10.016	/	Pass
		1745	50	0	10.098	/	Pass
		1775	50	0	10.031	/	Pass
	16QAM	1715	50	0	10.081	/	Pass
		1745	50	0	10.078	/	Pass
		1775	50	0	10.069	/	Pass
15	QPSK	1717.5	75	0	15.164	/	Pass
		1745	75	0	15.185	/	Pass
		1772.5	75	0	15.080	/	Pass
	16QAM	1717.5	75	0	15.173	/	Pass
		1745	75	0	15.182	/	Pass
		1772.5	75	0	15.236	/	Pass
20	QPSK	1720	100	0	20.203	/	Pass
		1745	100	0	19.970	/	Pass
		1770	100	0	19.928	/	Pass
	16QAM	1720	100	0	20.005	/	Pass
		1745	100	0	20.059	/	Pass
		1770	100	0	20.018	/	Pass

4.2 Test Graph

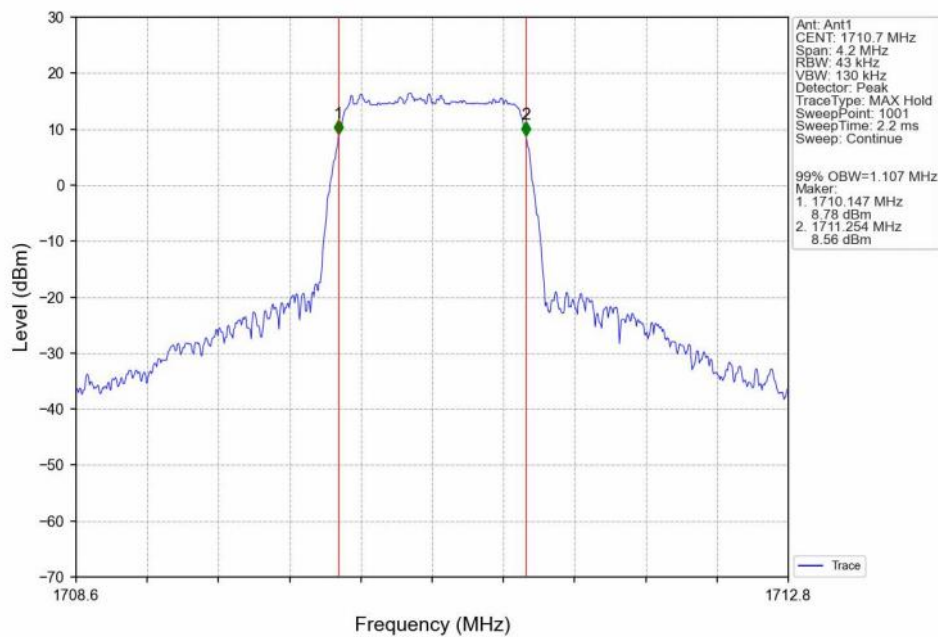
4.2.1 Band66_OBW



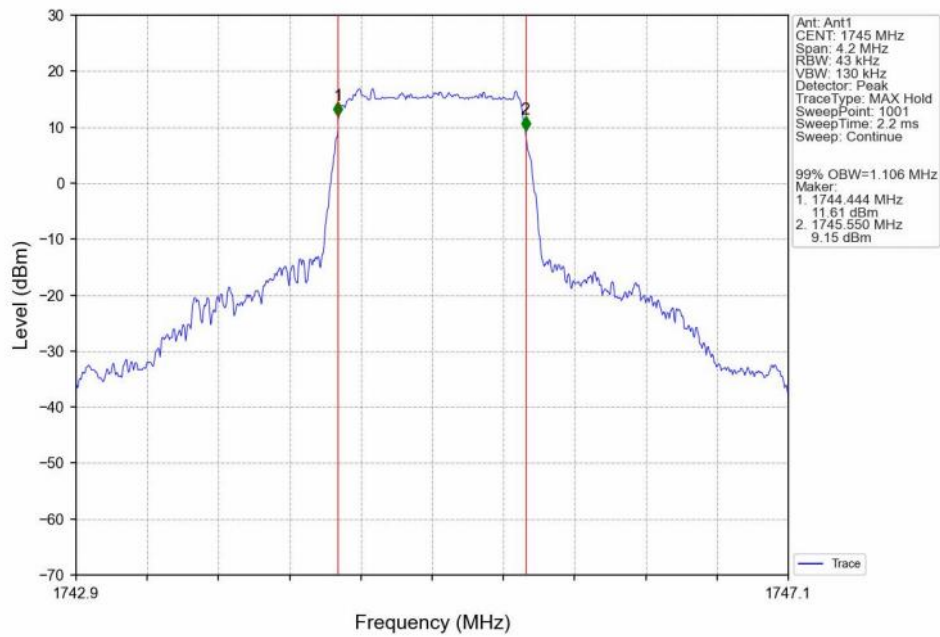
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



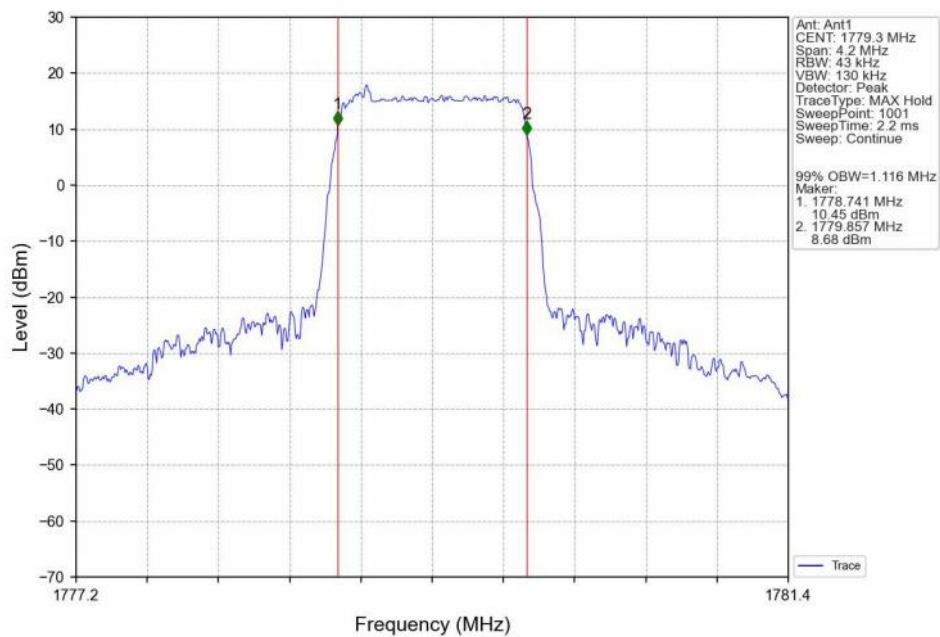
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



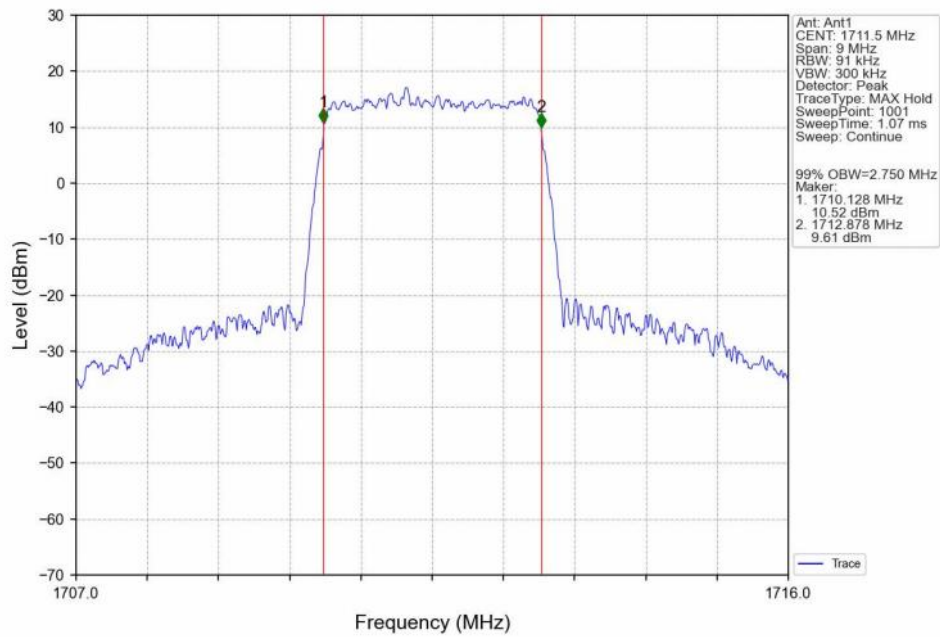
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



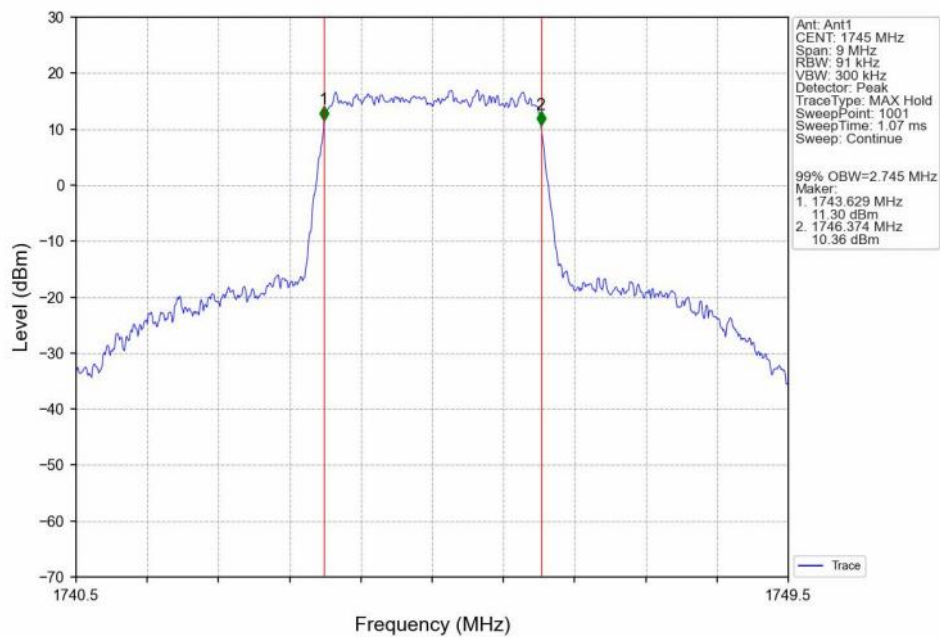
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



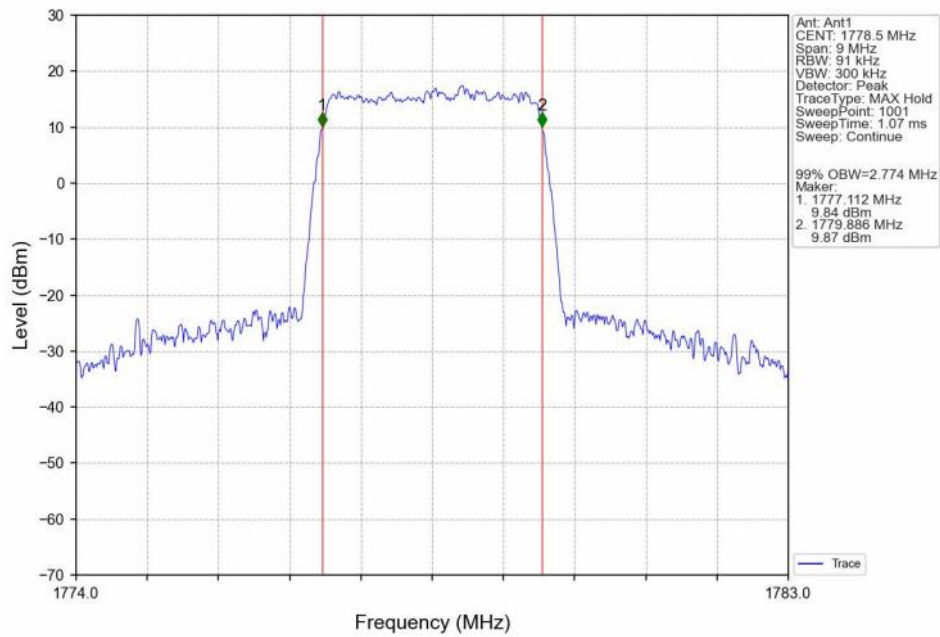
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



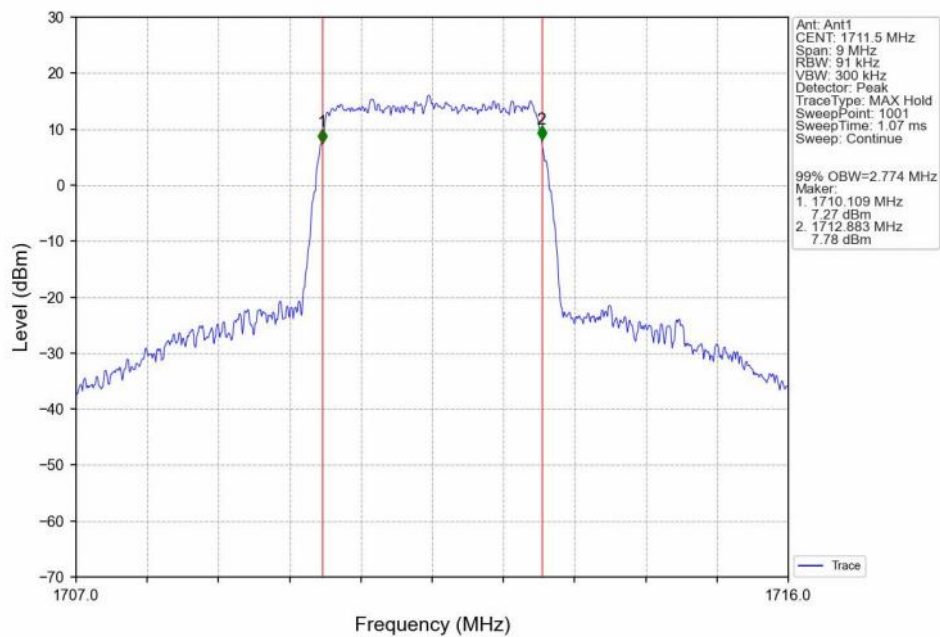
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



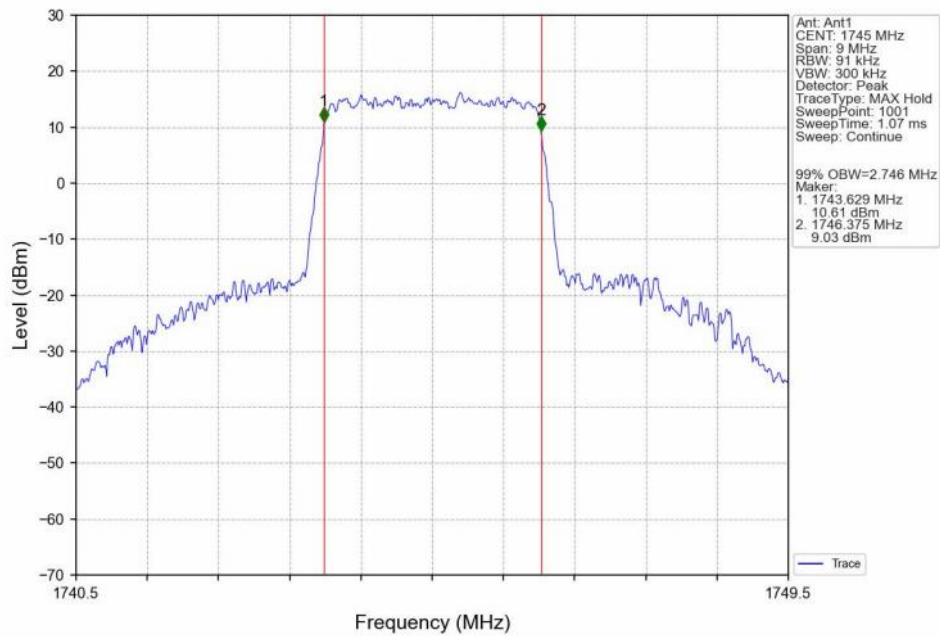
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



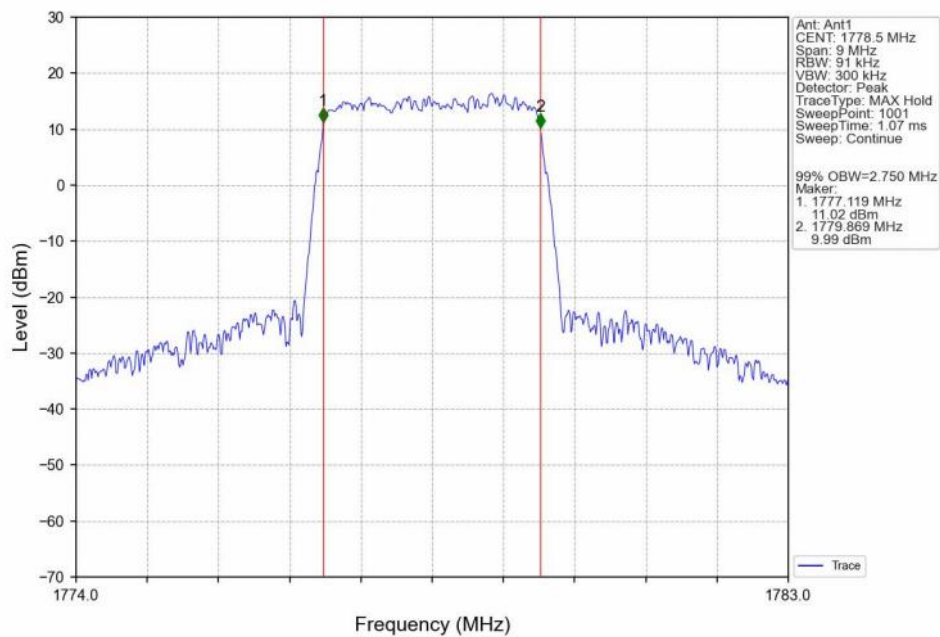
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



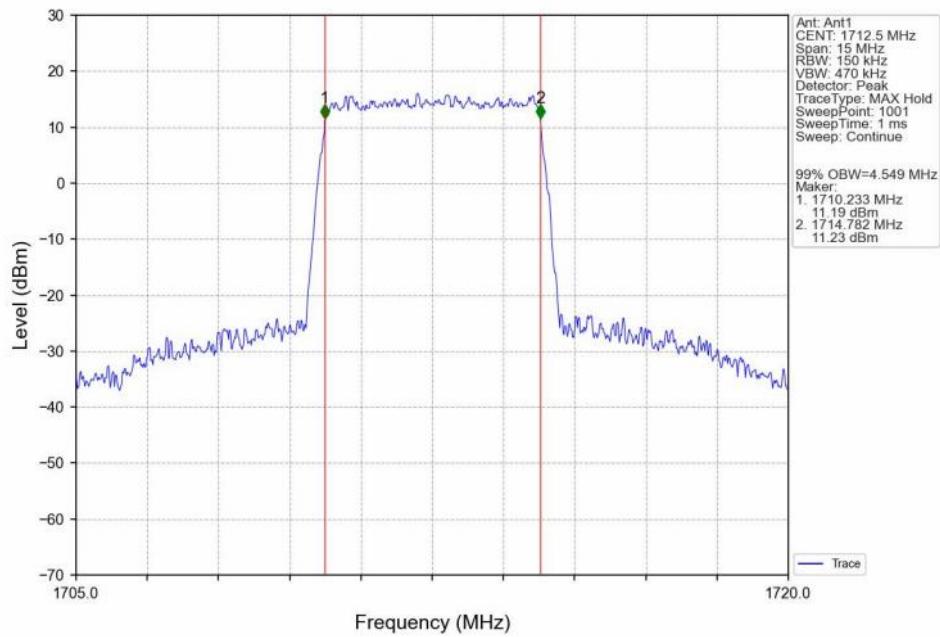
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



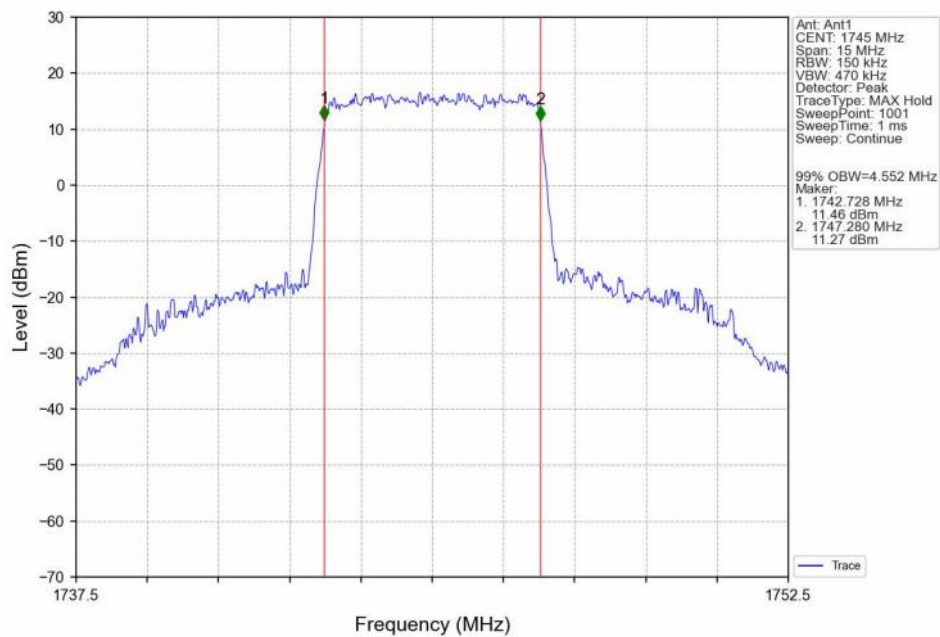
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



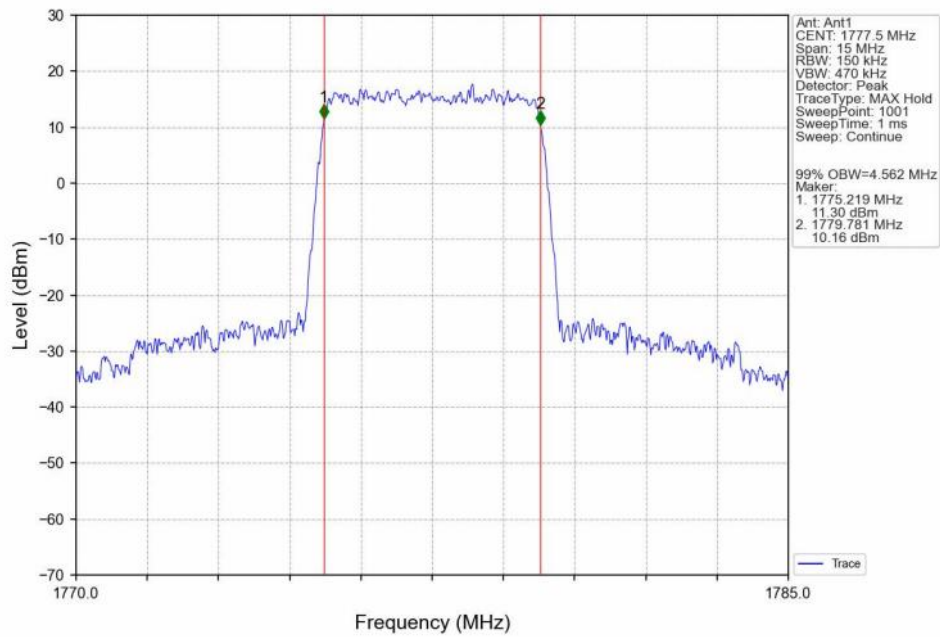
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



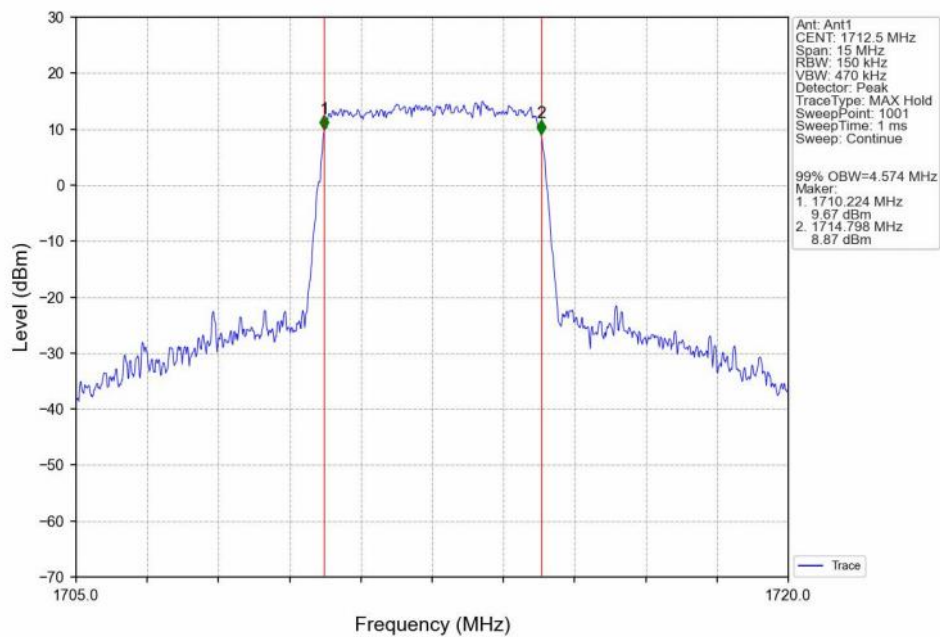
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



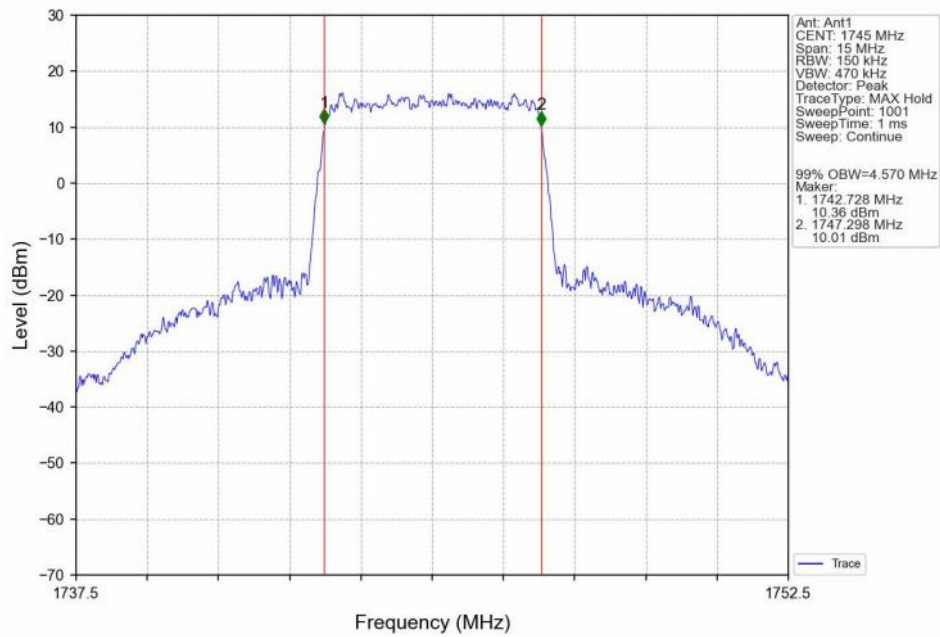
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



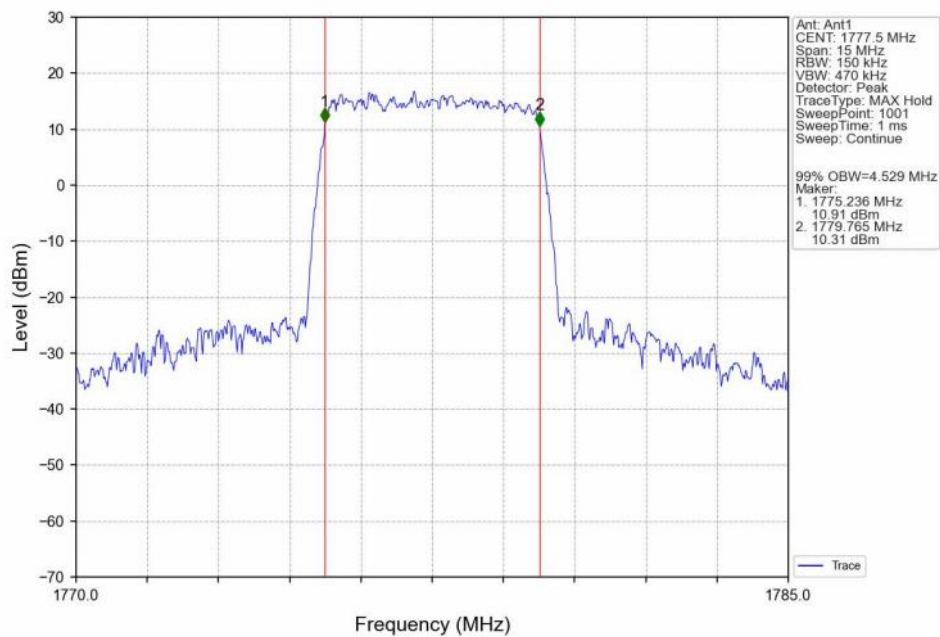
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



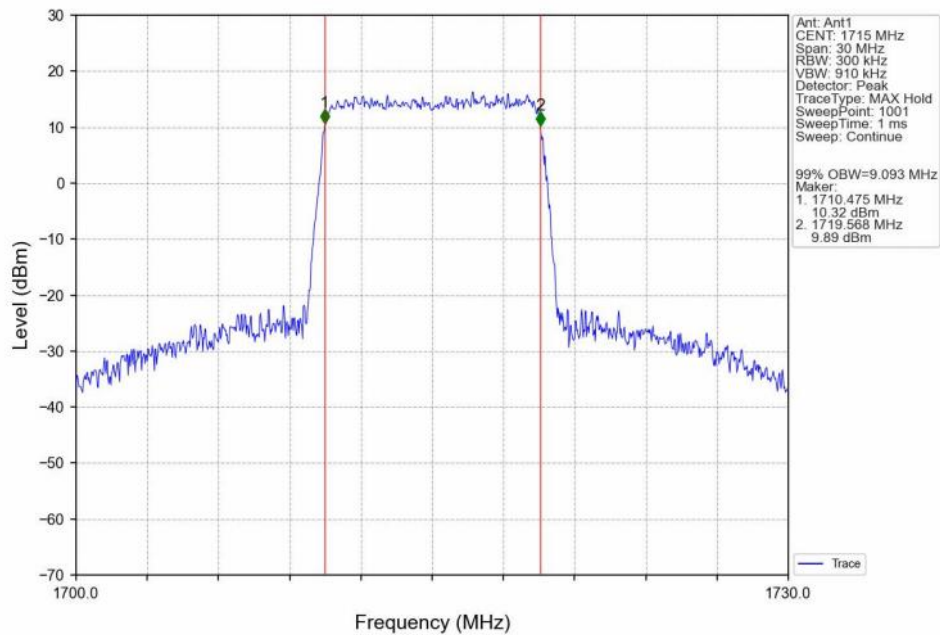
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



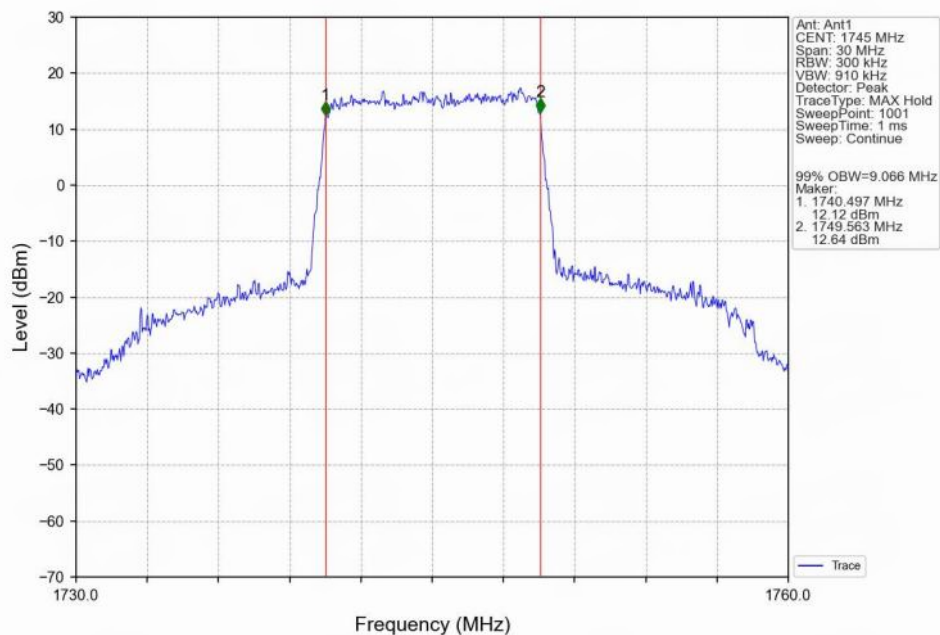
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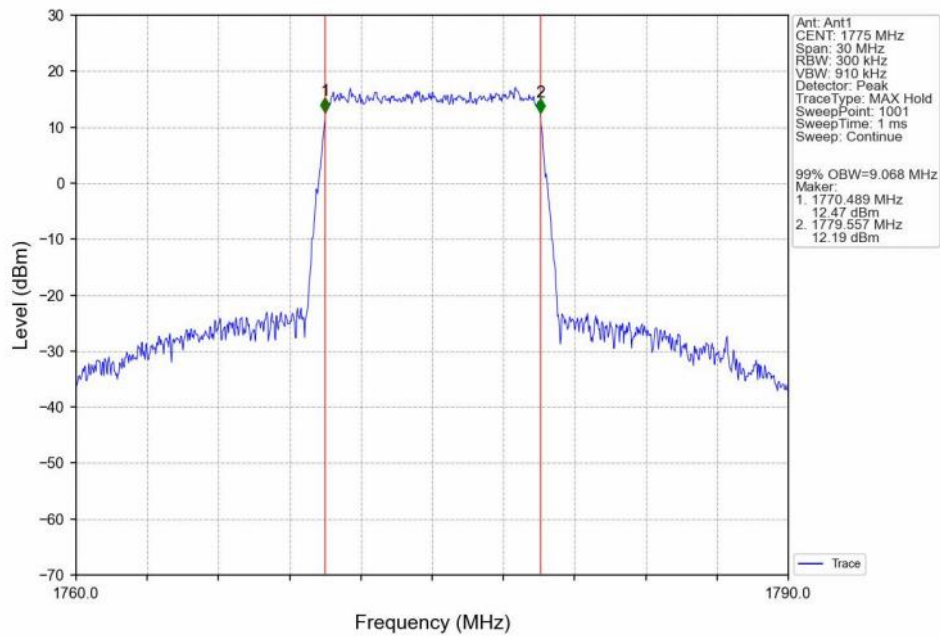
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



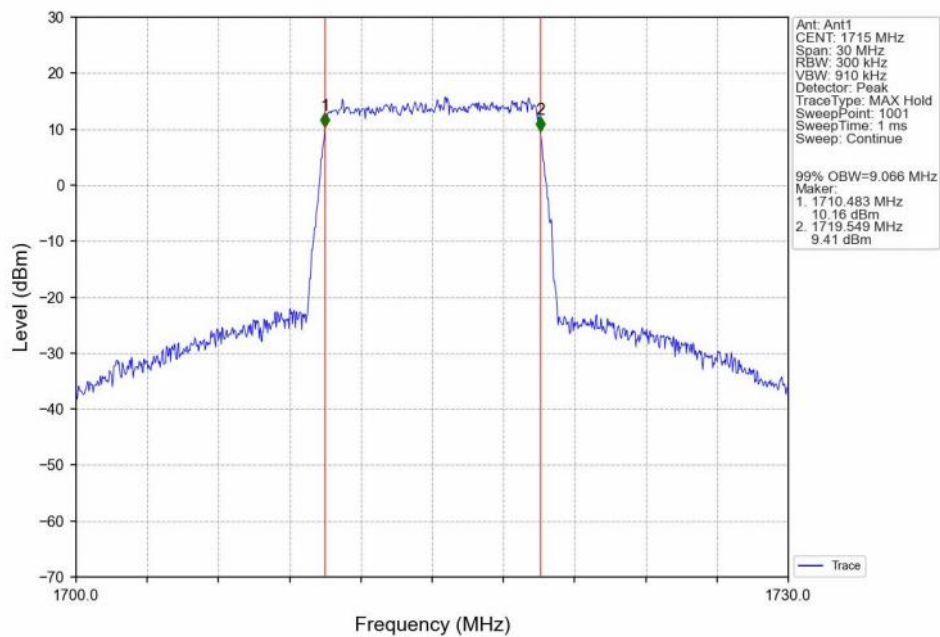
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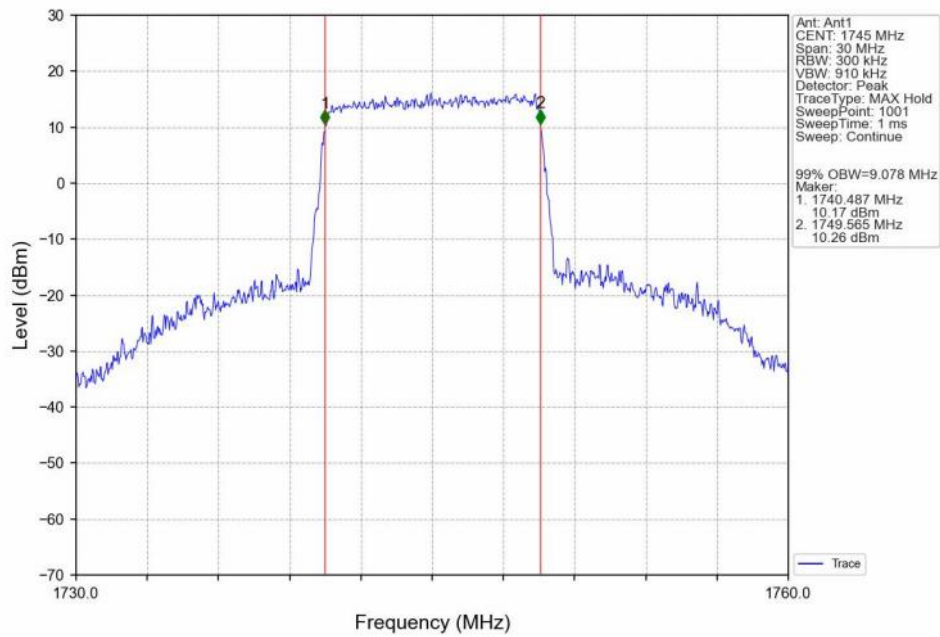
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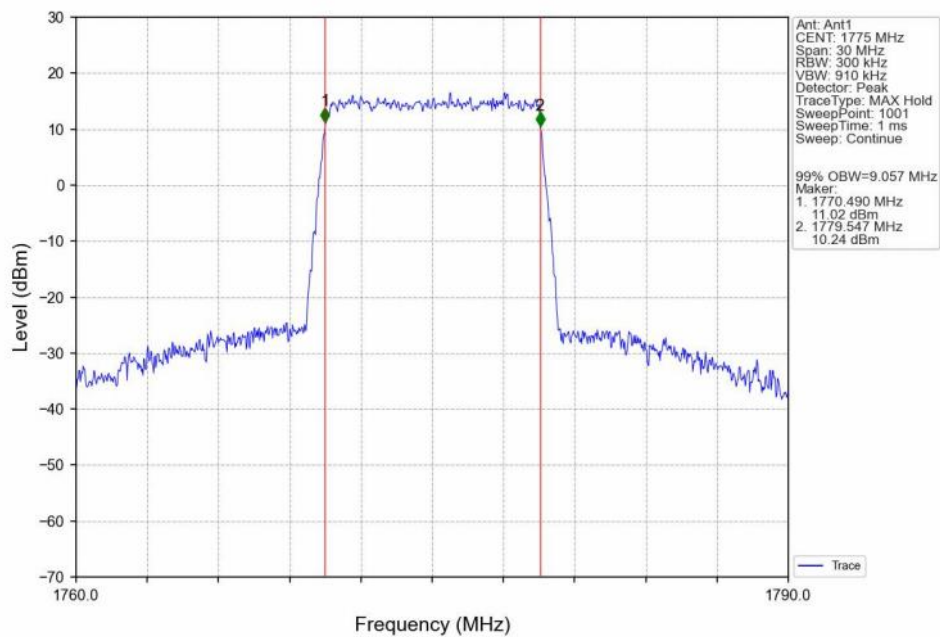
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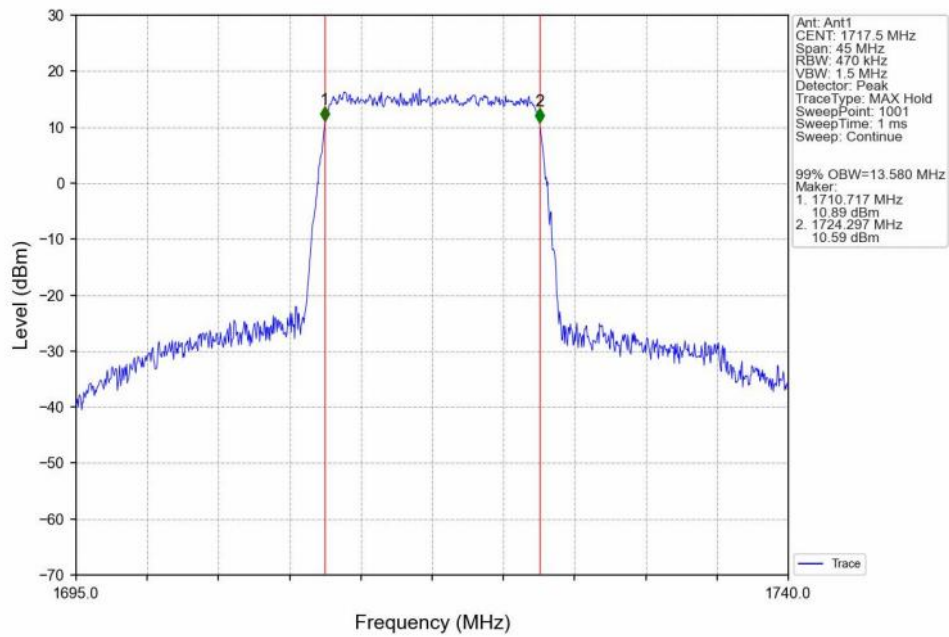
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



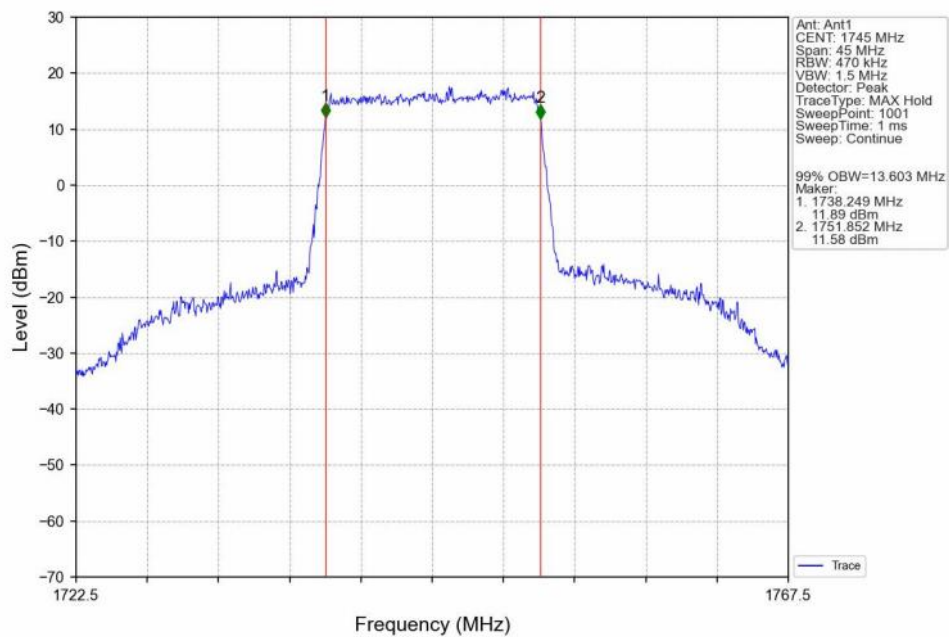
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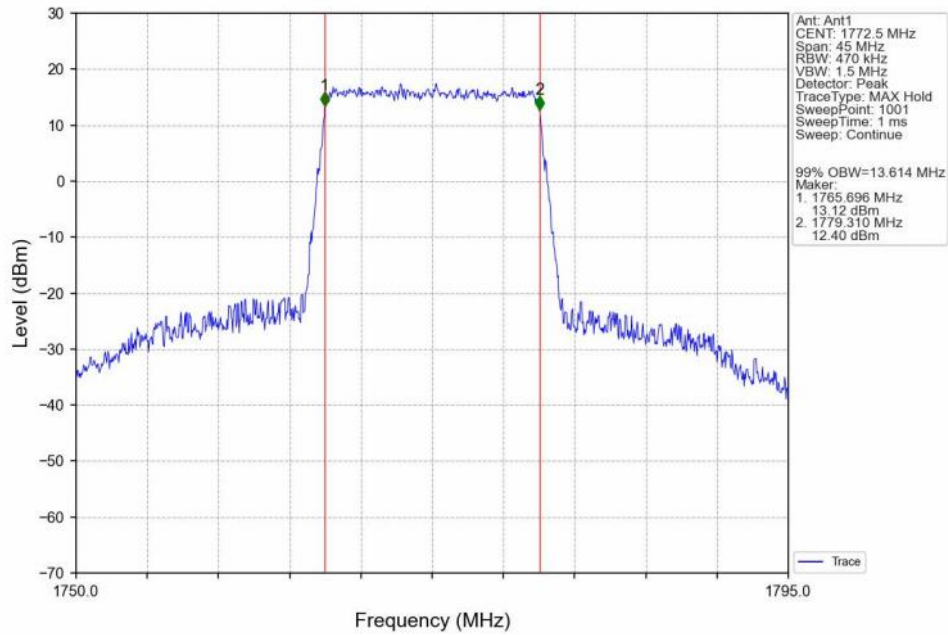
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



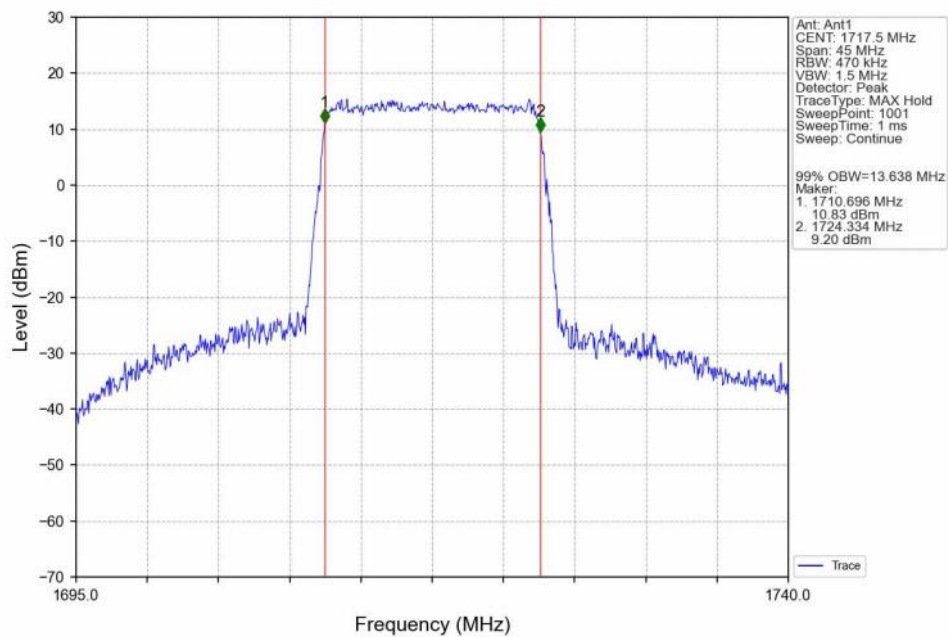
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



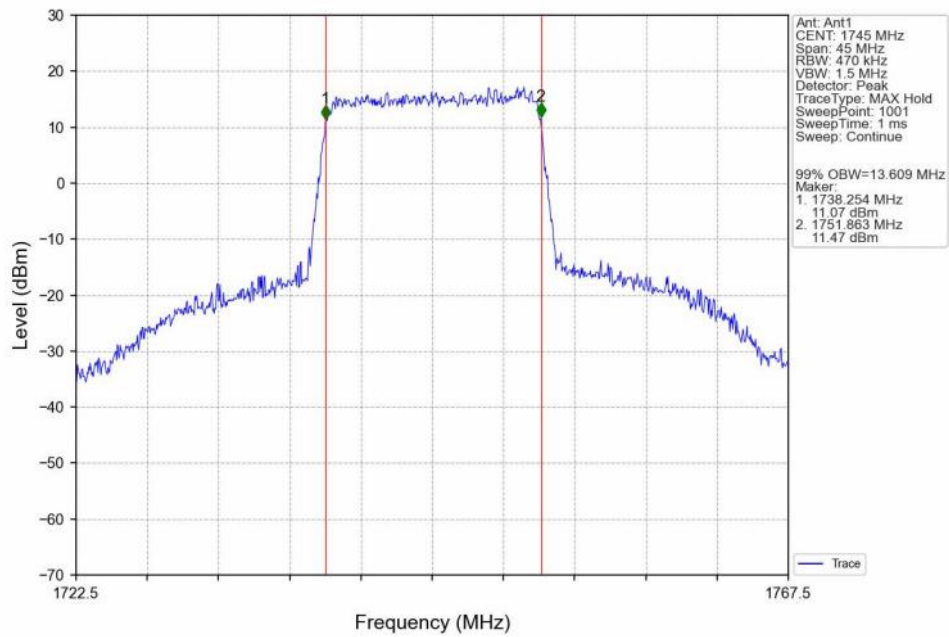
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



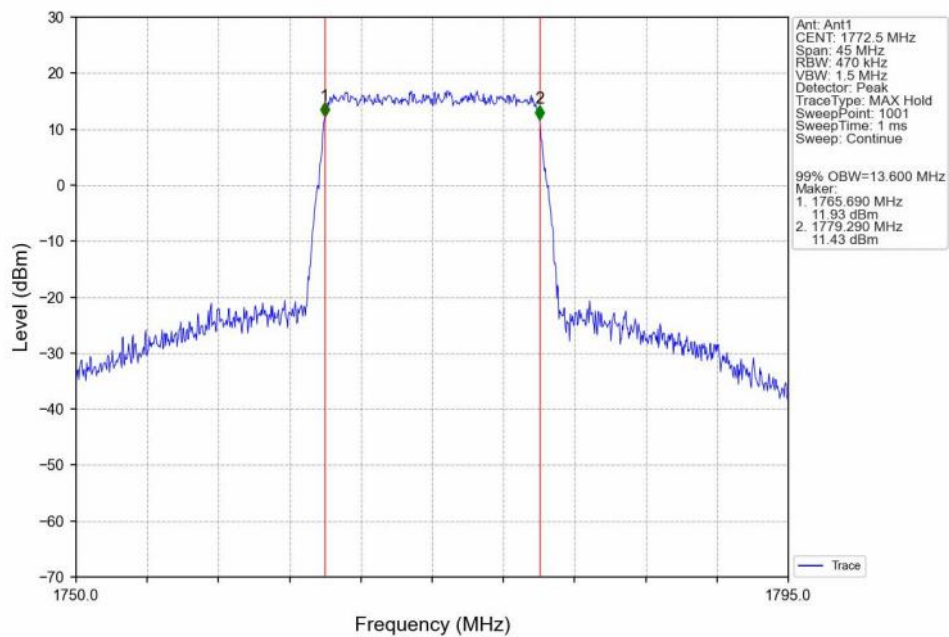
Band66_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



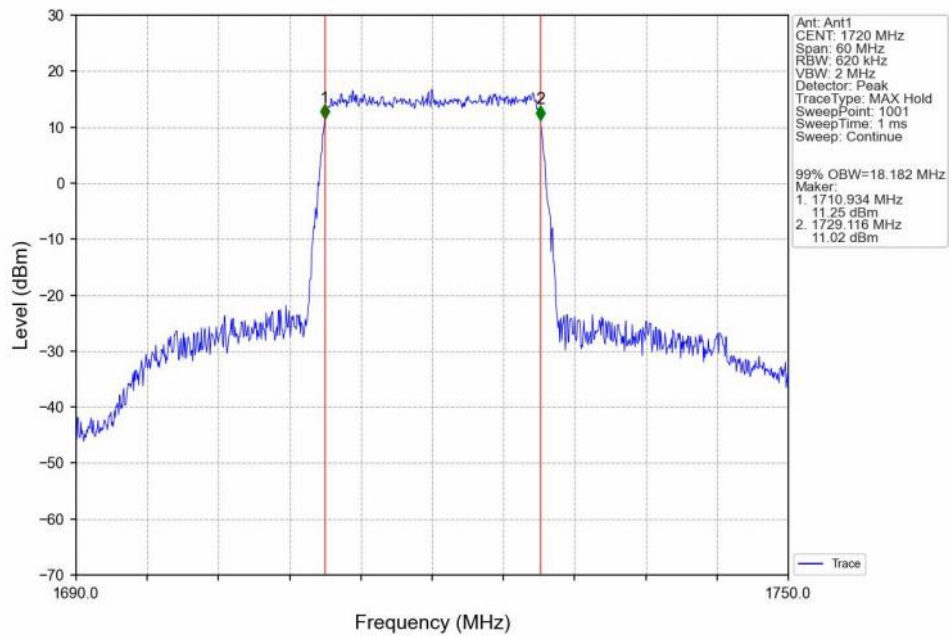
Band66_15MHz_16QAM_MCH_1745MHz_RB_75_0_NTNV



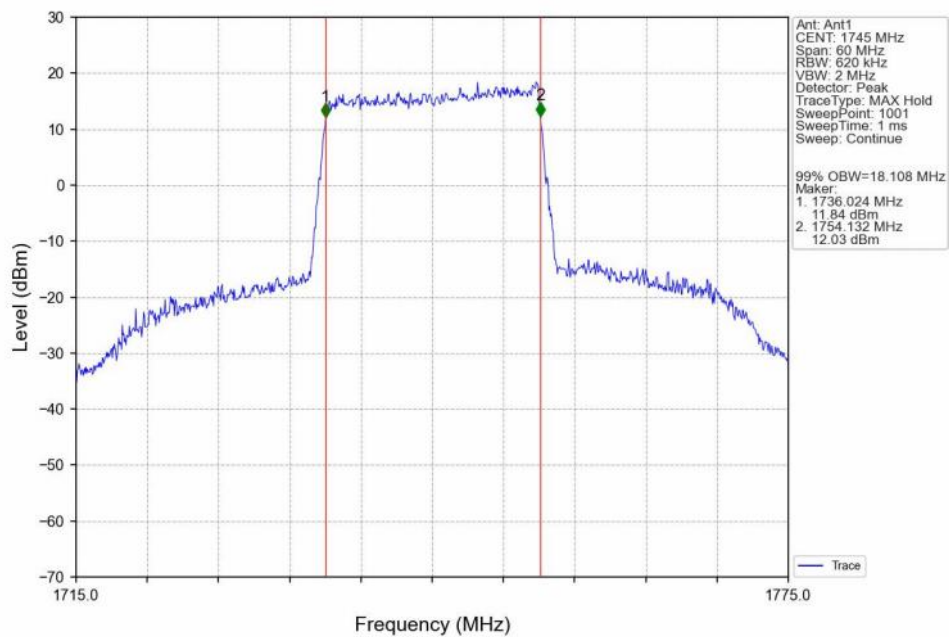
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



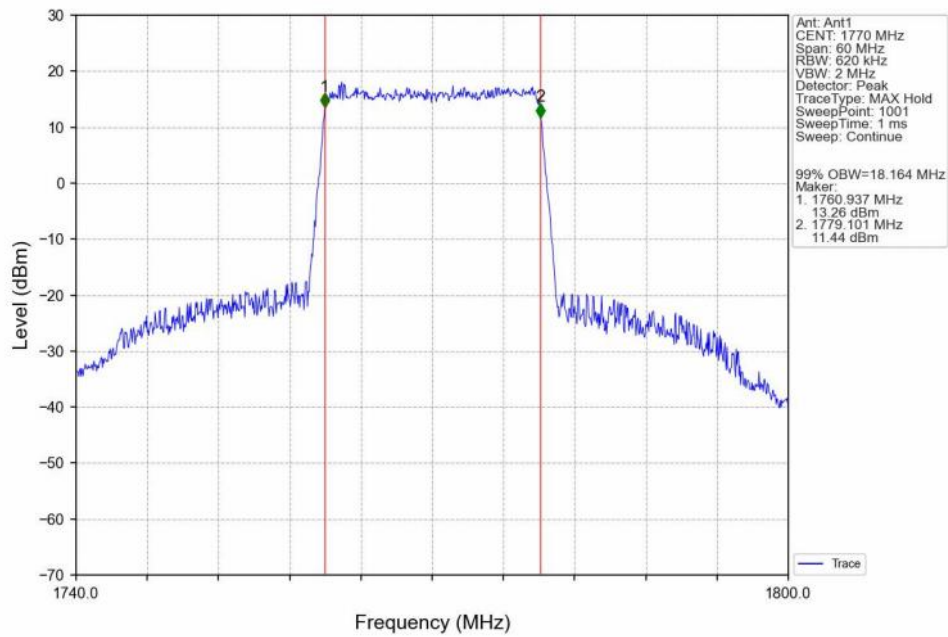
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



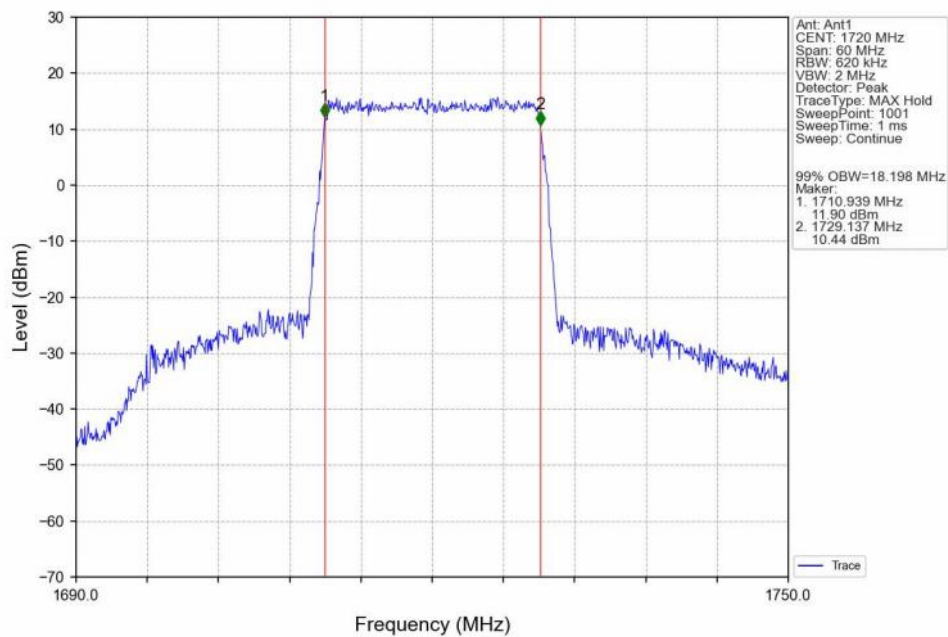
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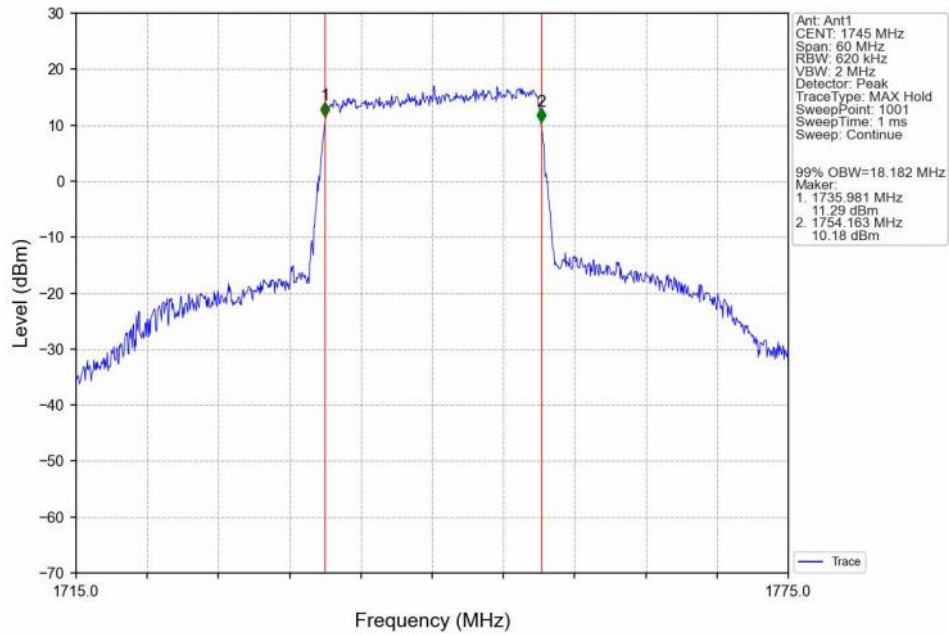
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



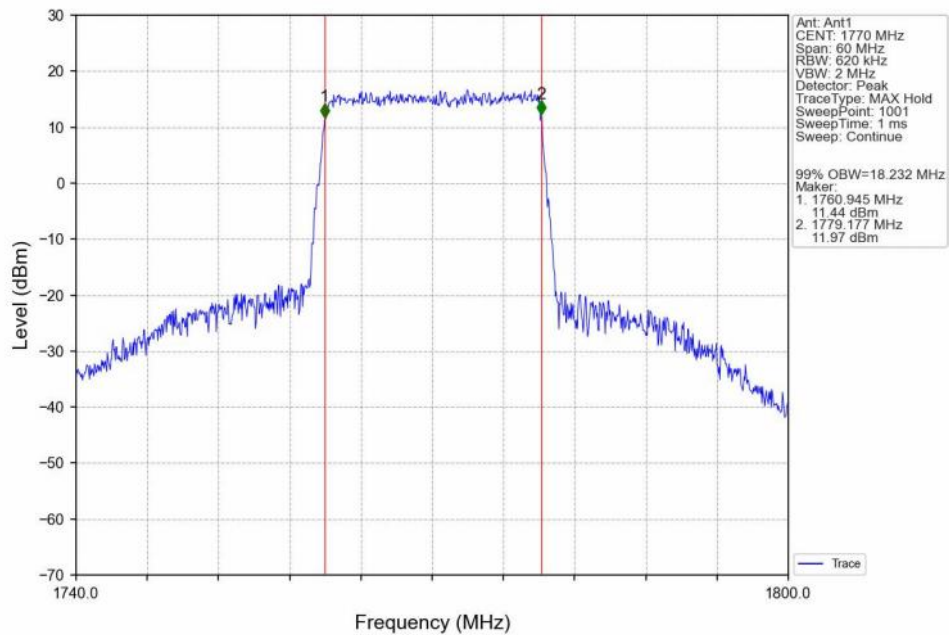
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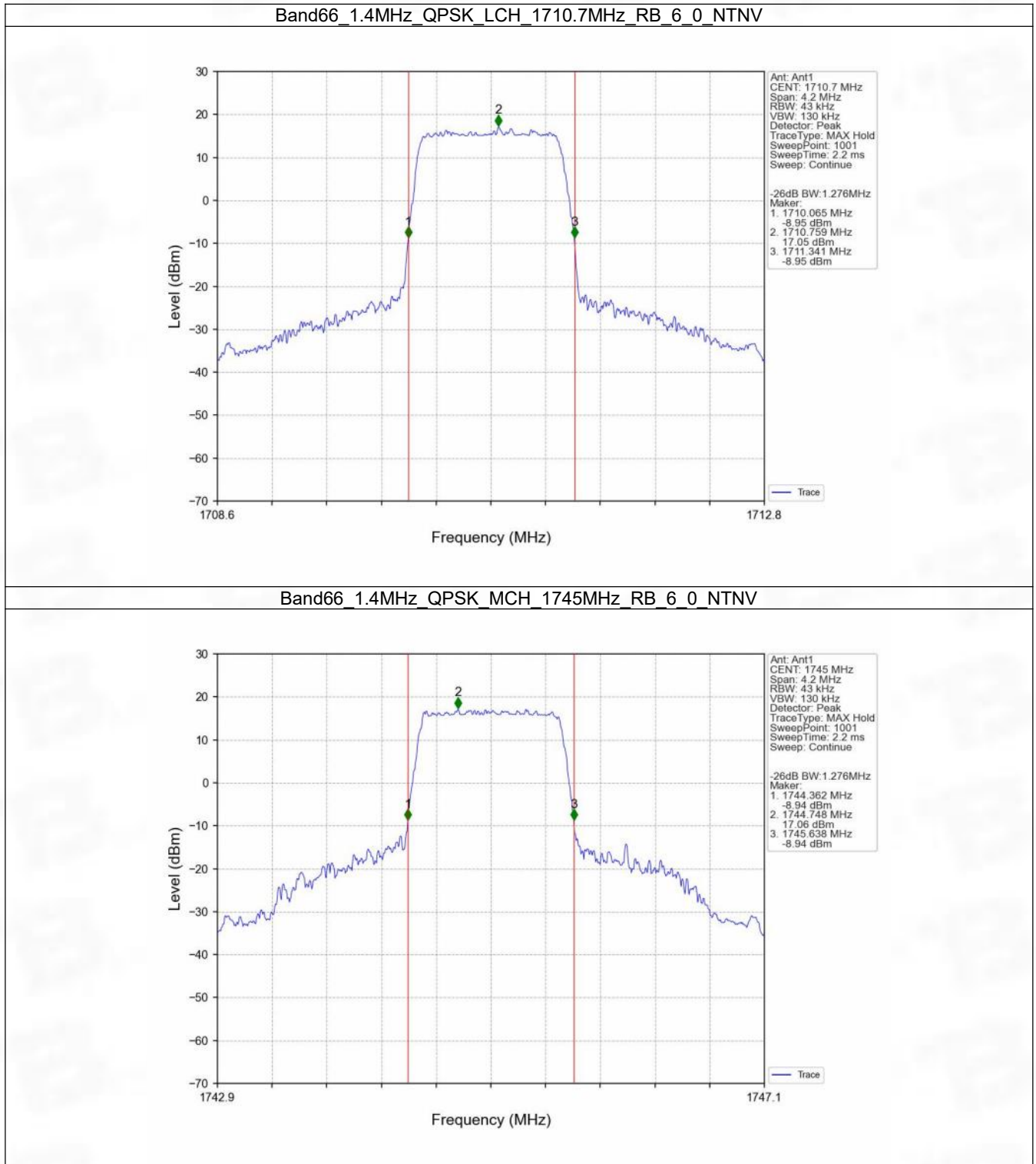
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



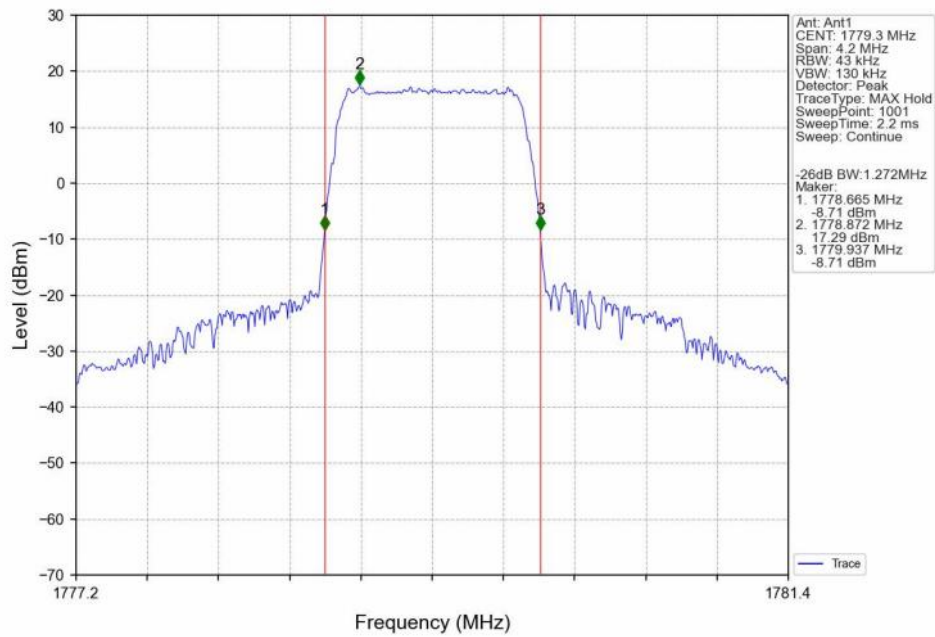
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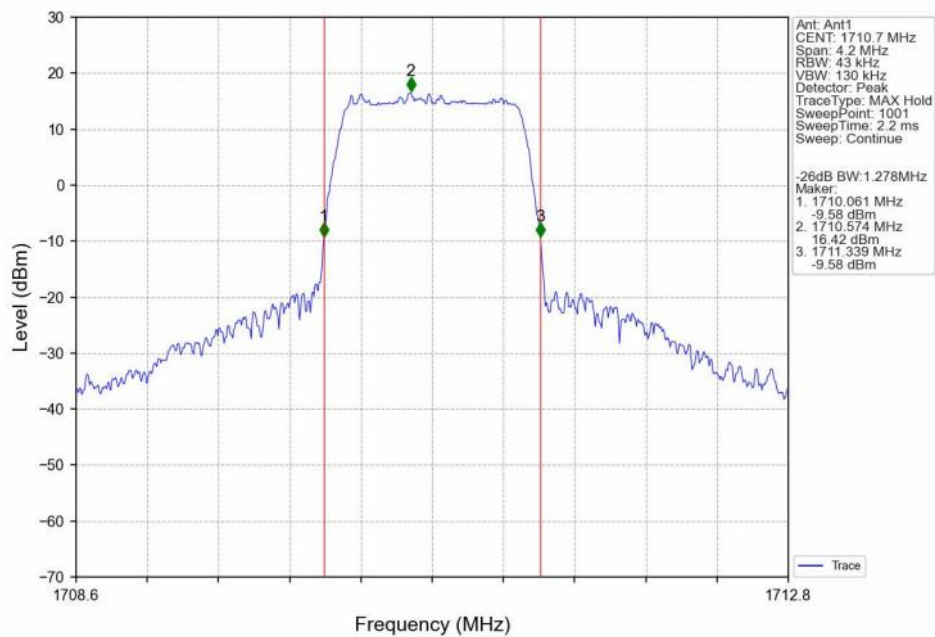
4.2.2 Band66_XDB



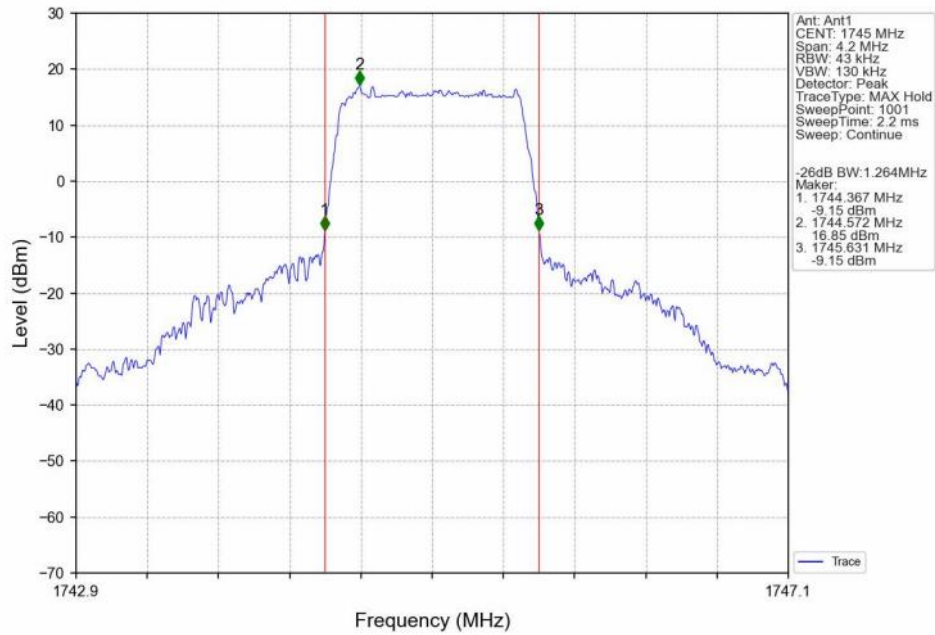
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



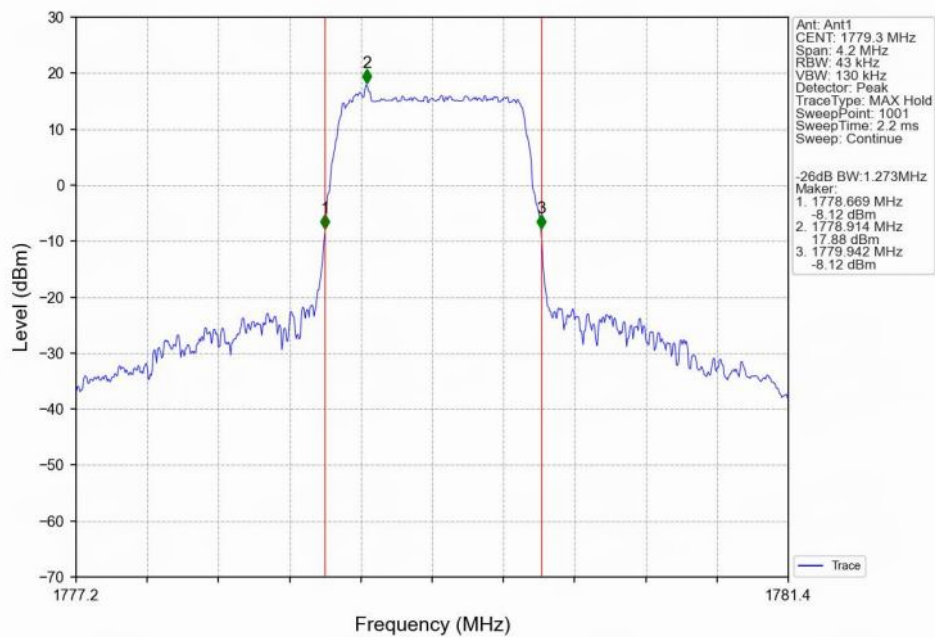
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



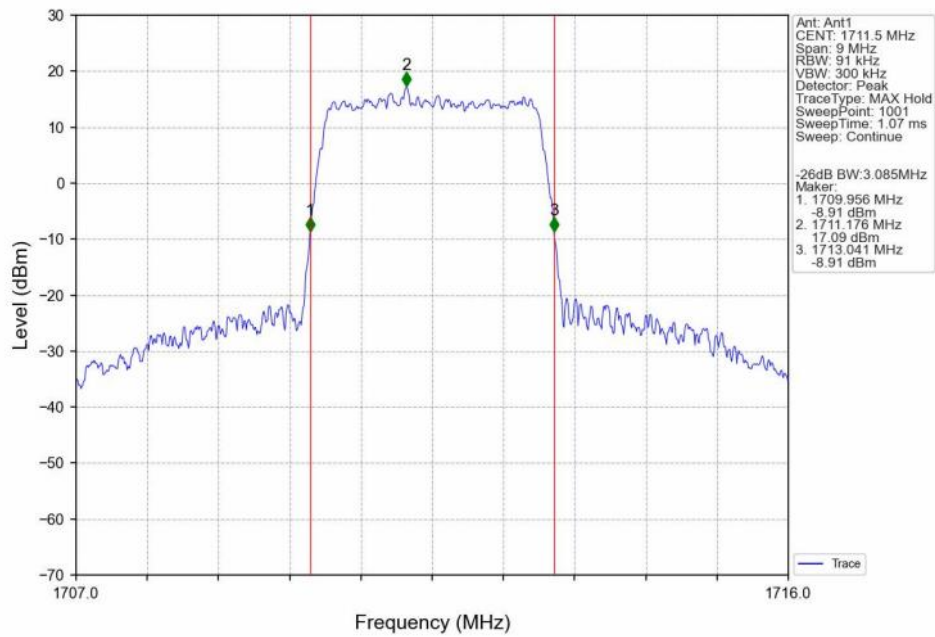
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



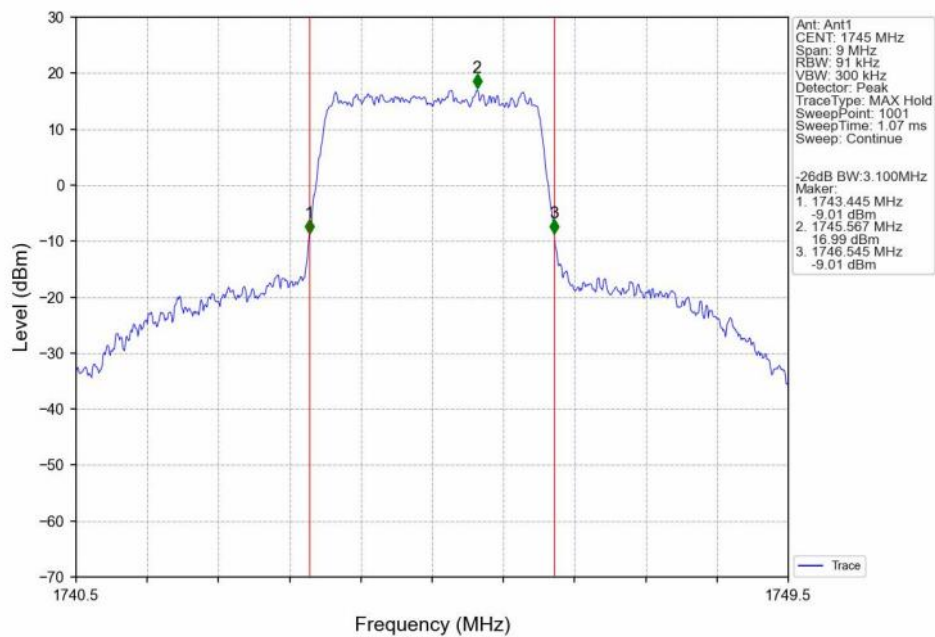
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



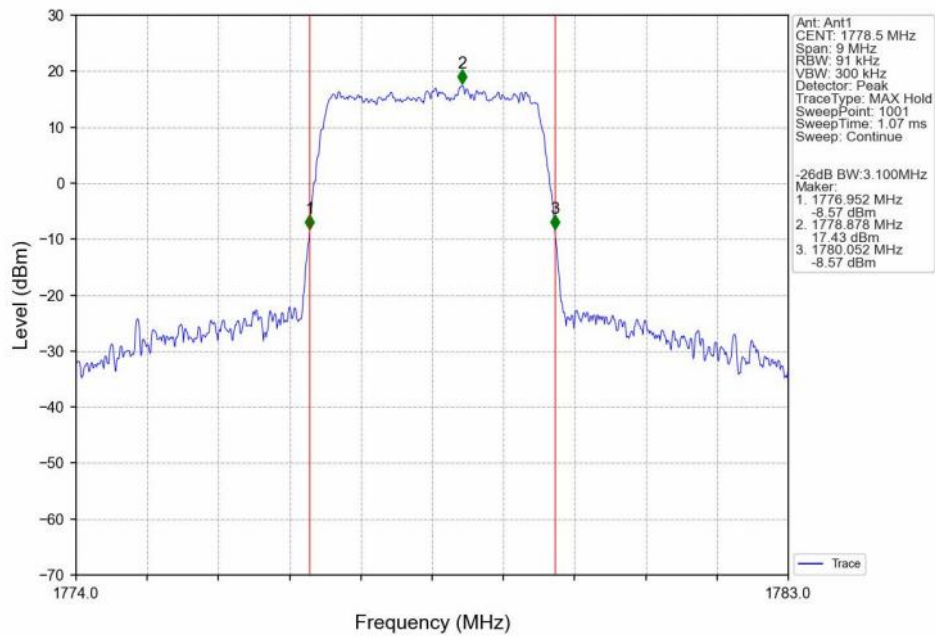
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



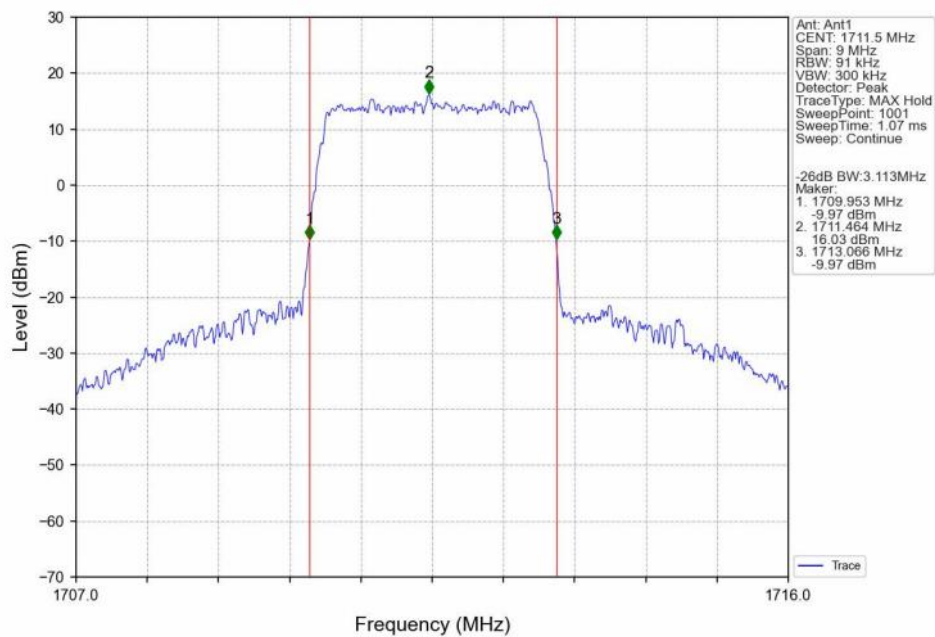
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



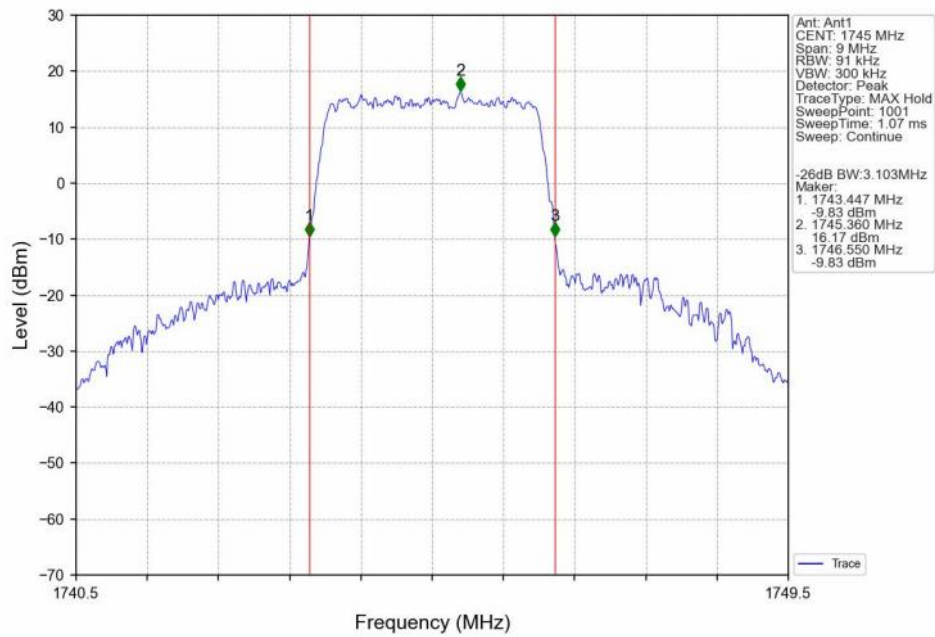
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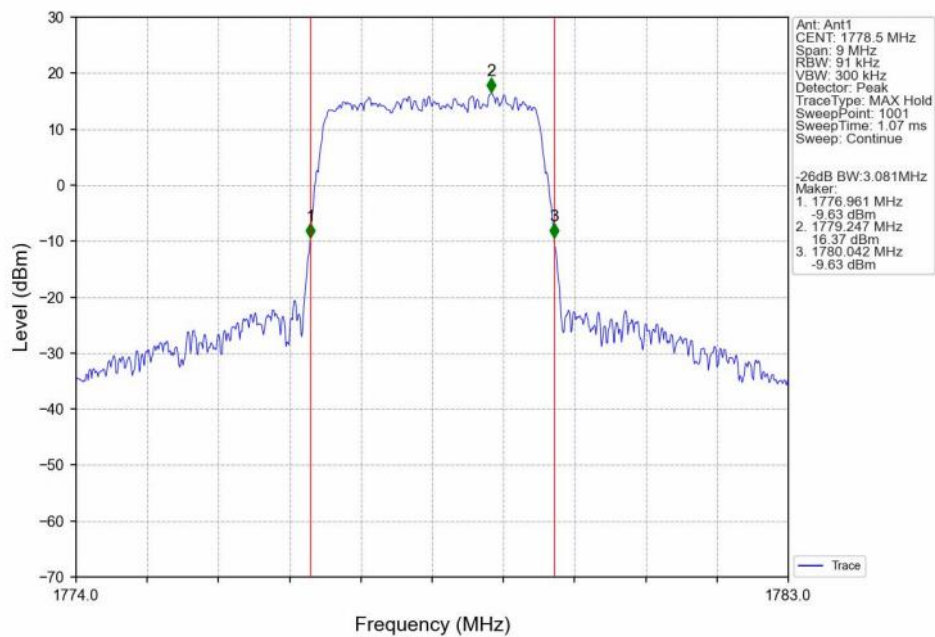
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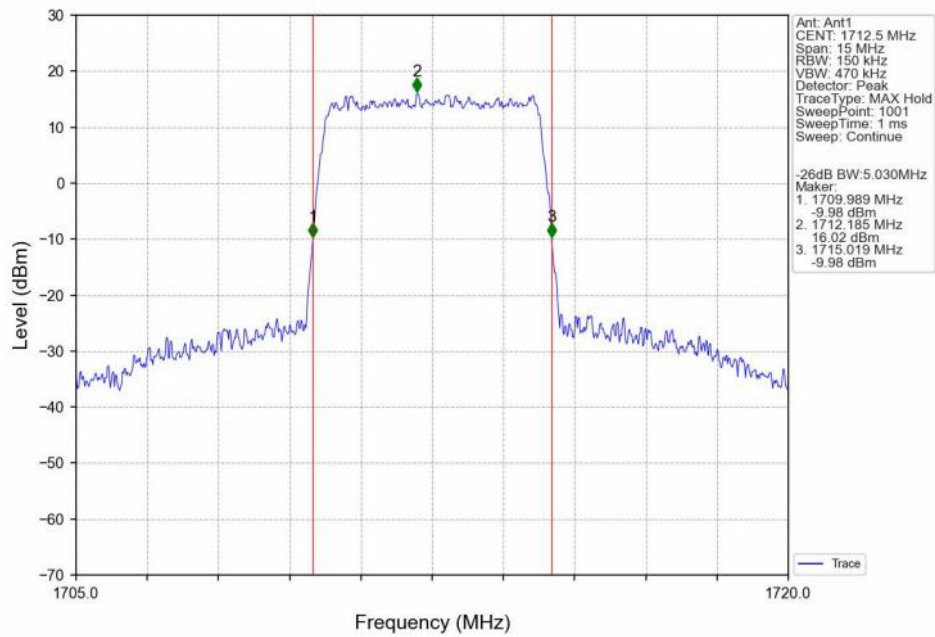
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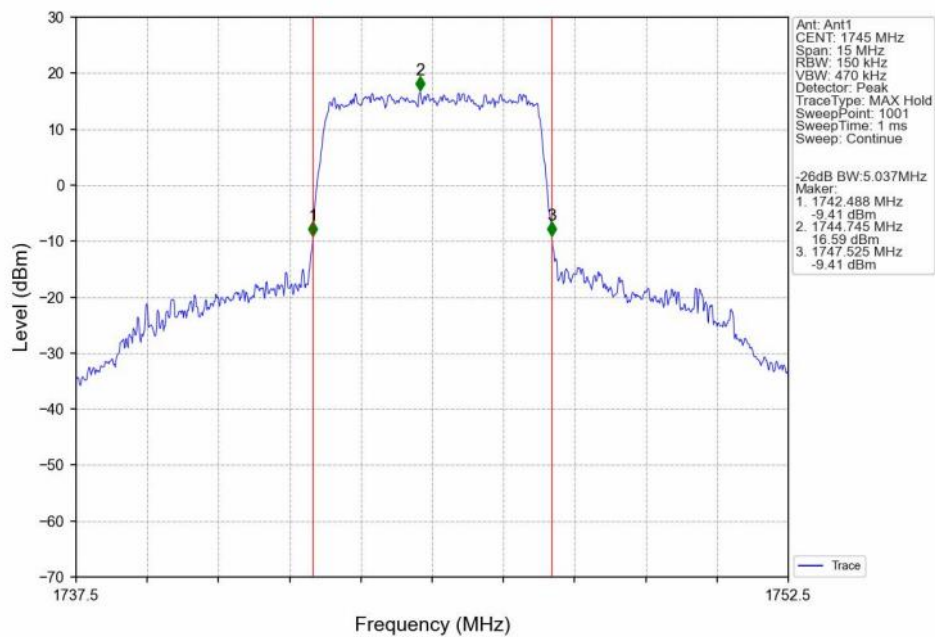
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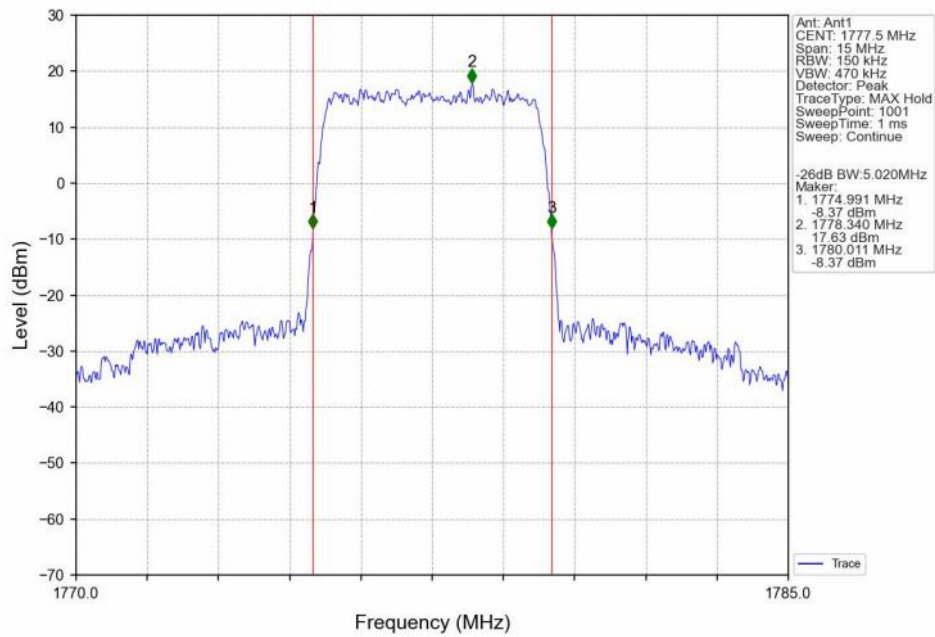
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



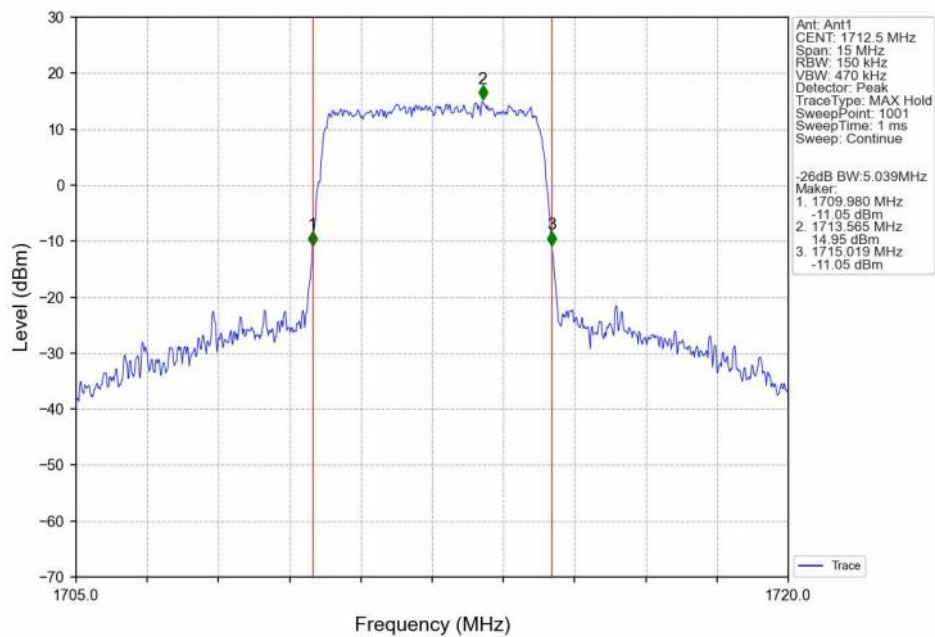
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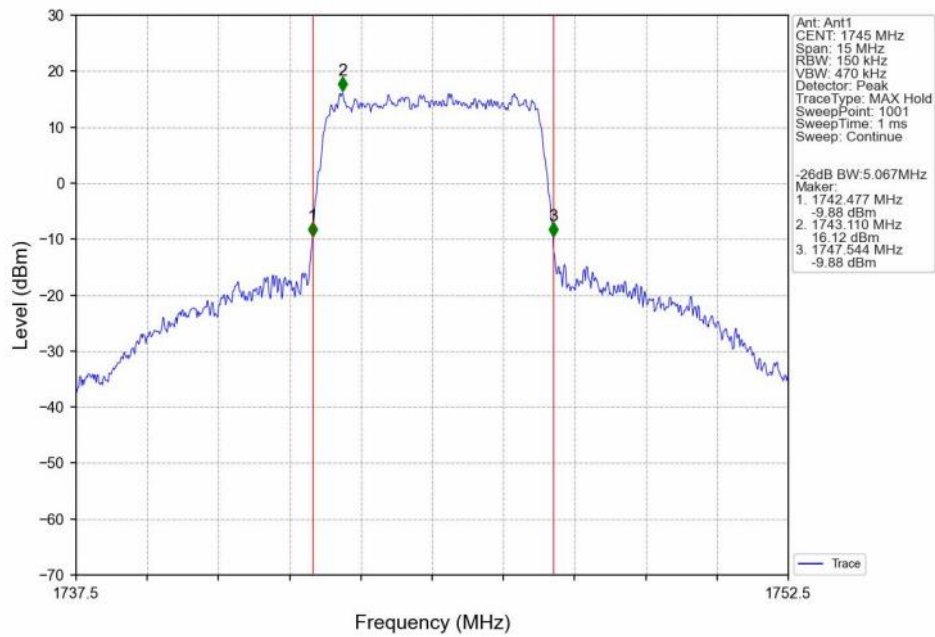
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



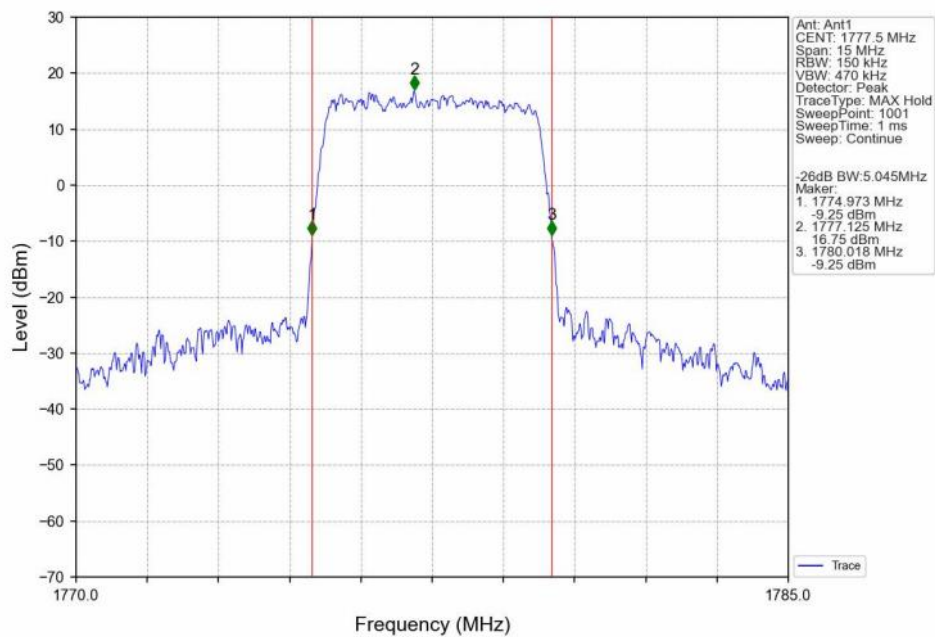
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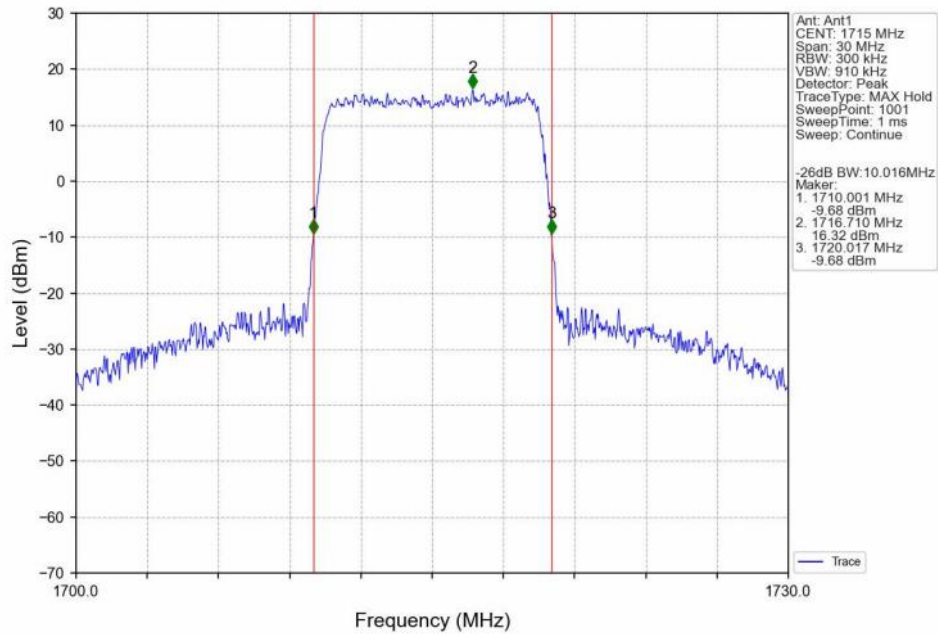
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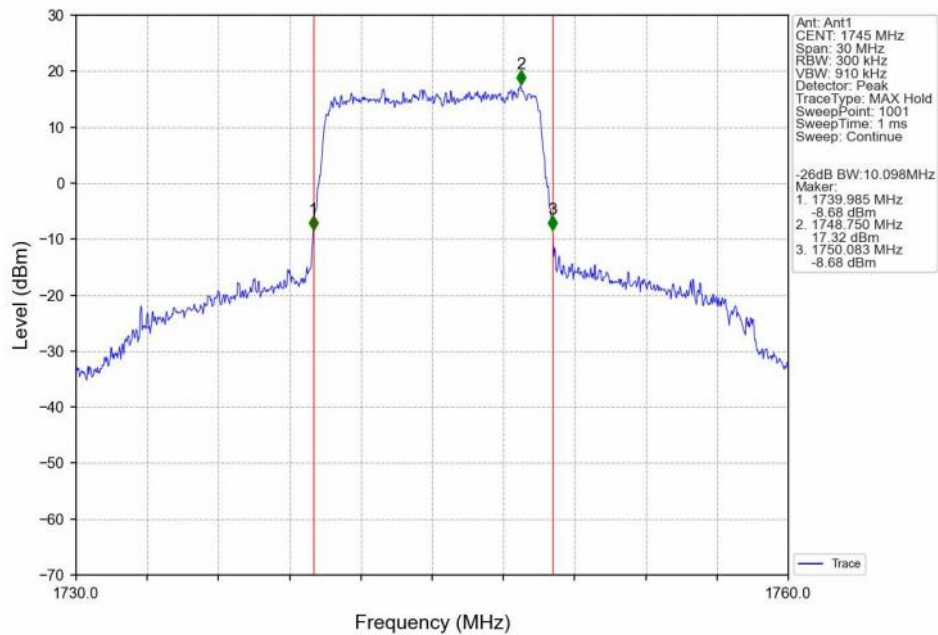
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



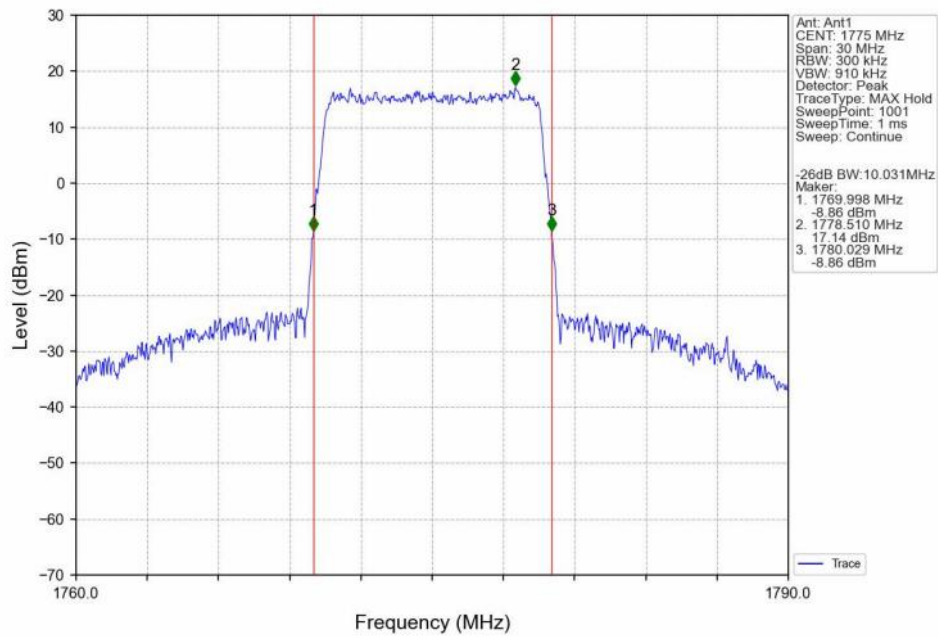
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



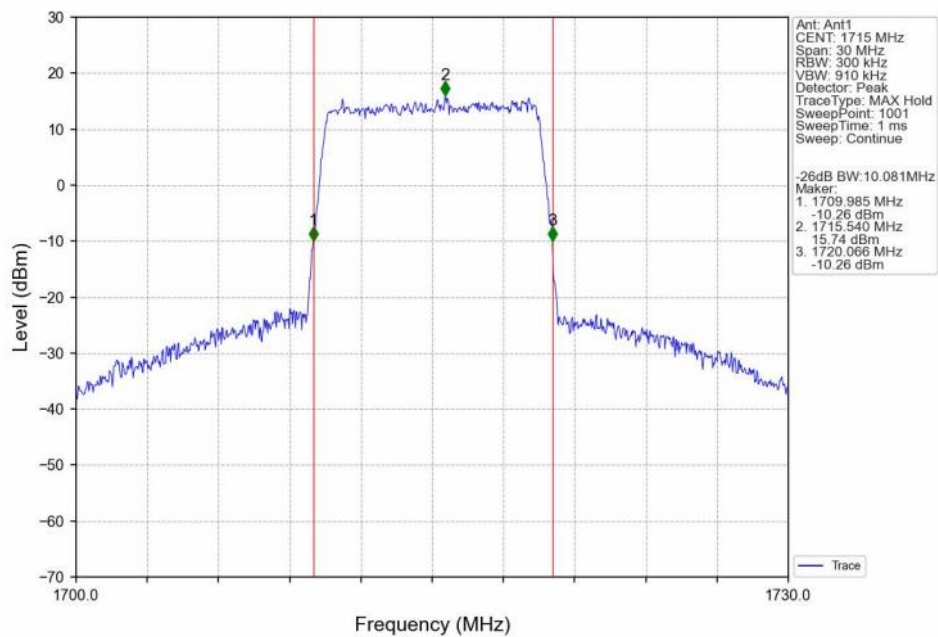
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



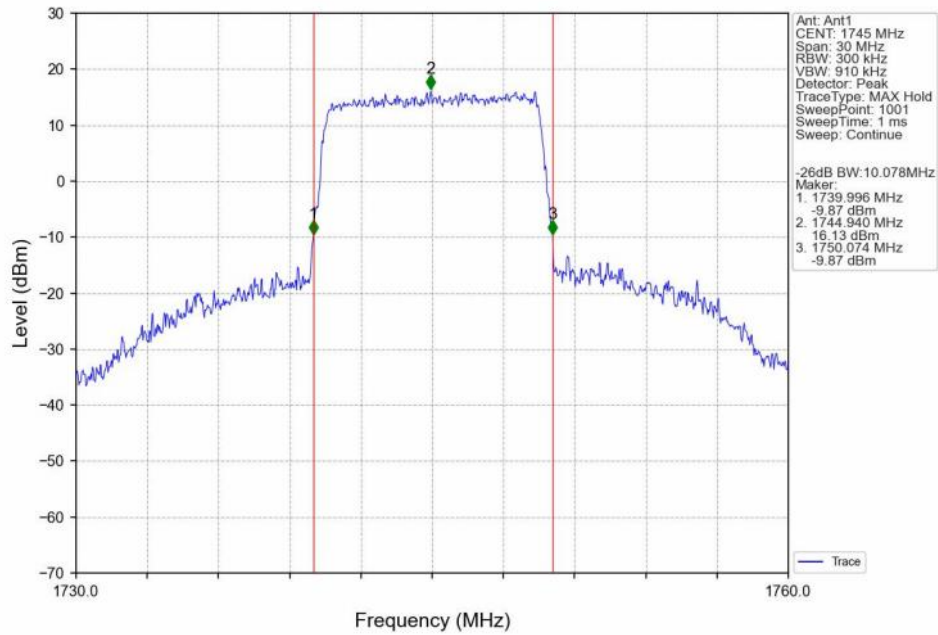
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



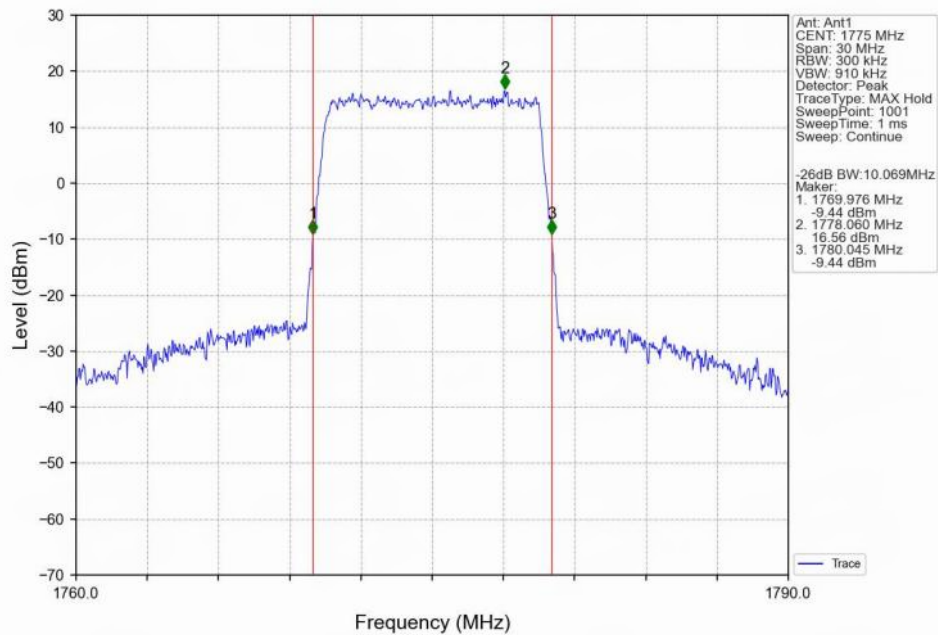
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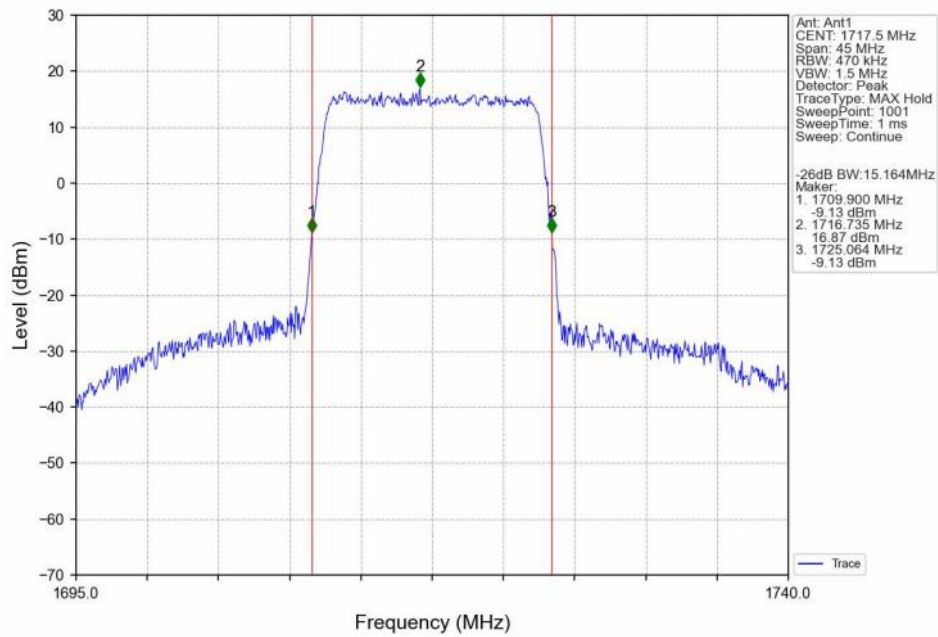
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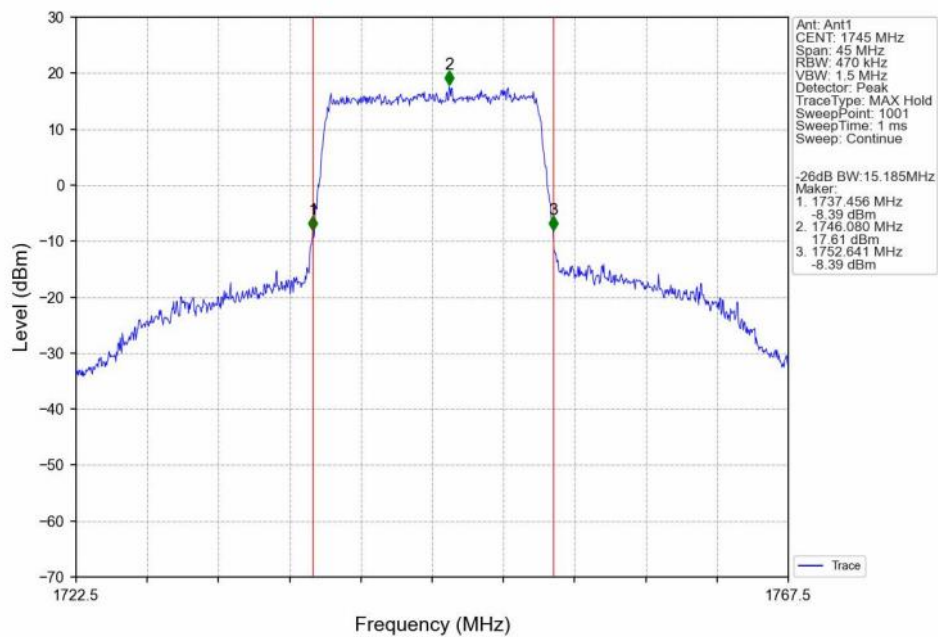
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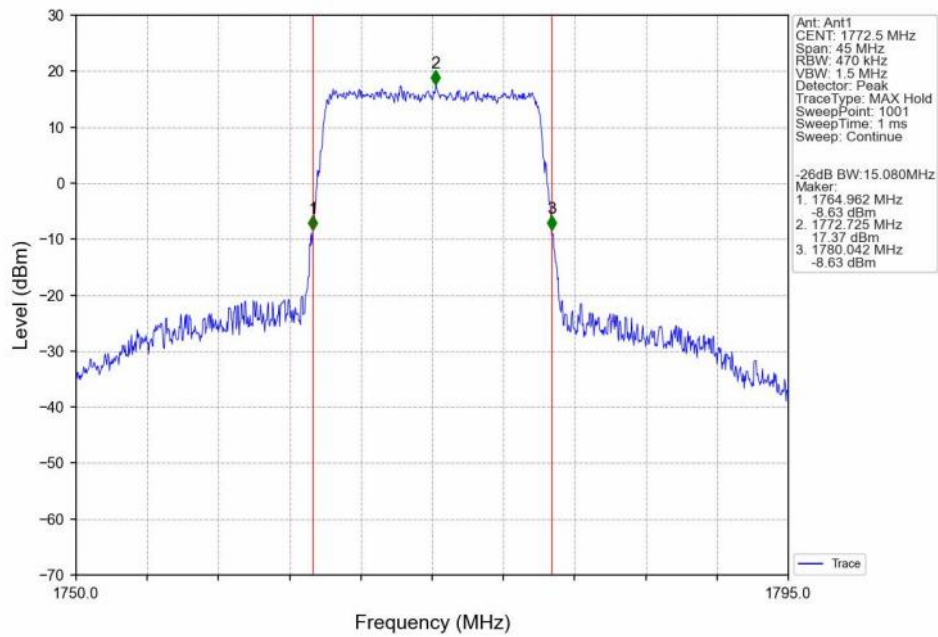
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



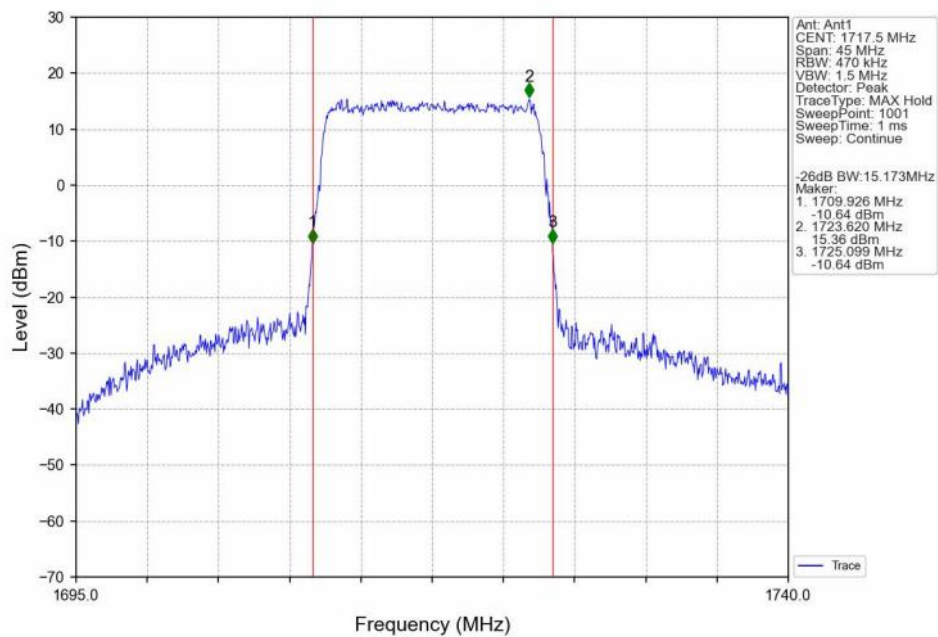
Band66_15MHz_QPSK_MCH_1745MHz_RB_75_0_NTNV



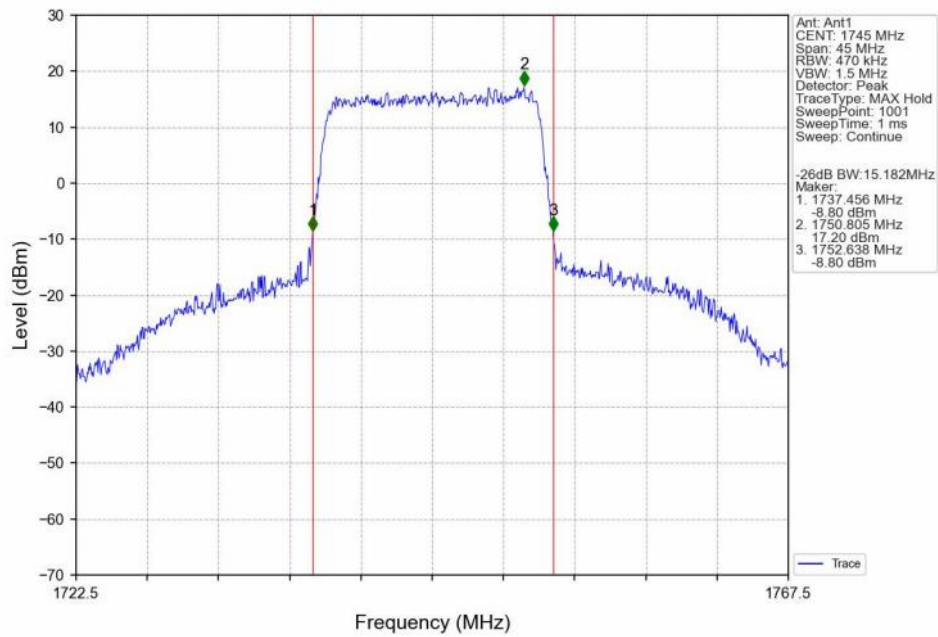
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



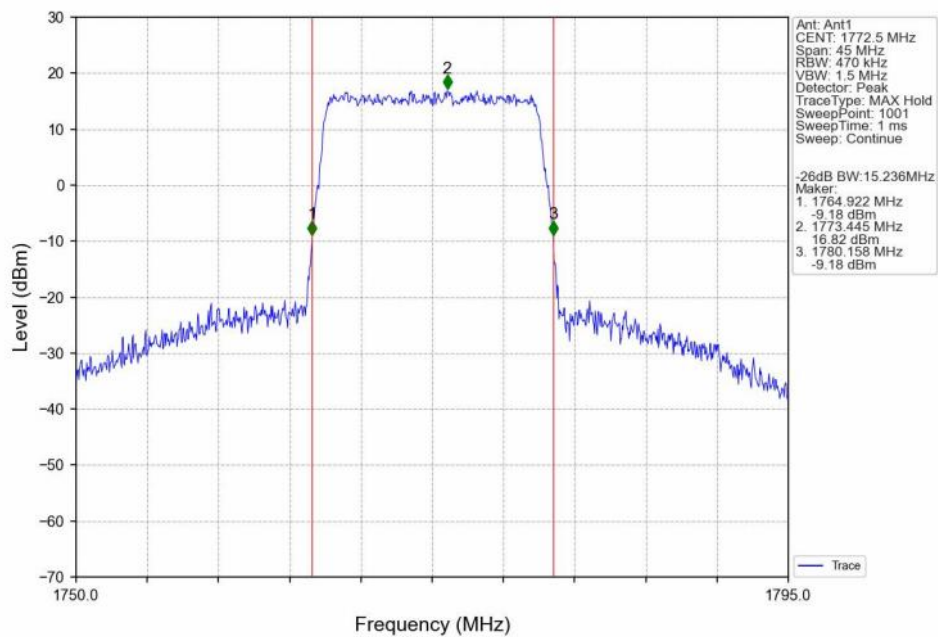
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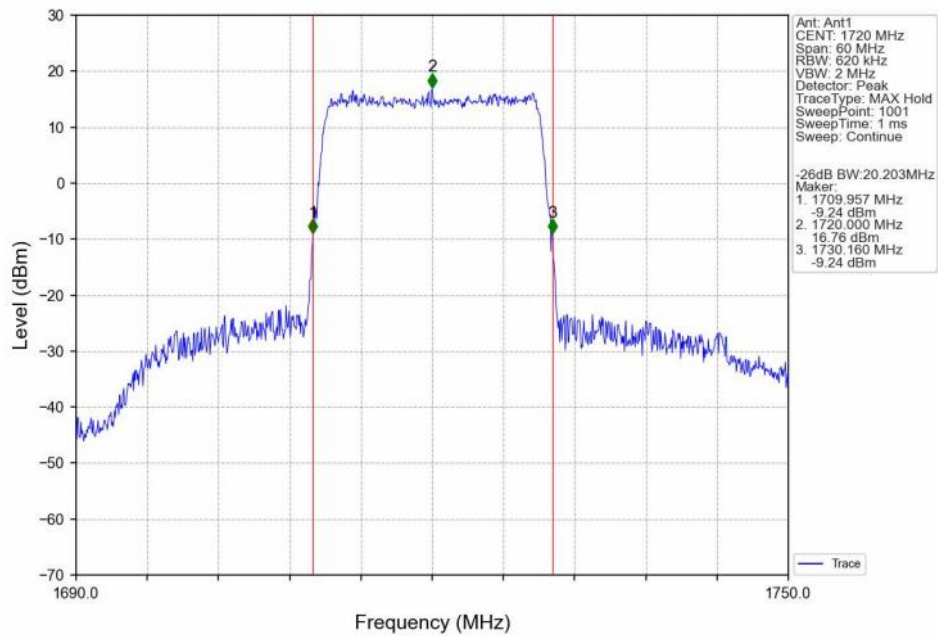
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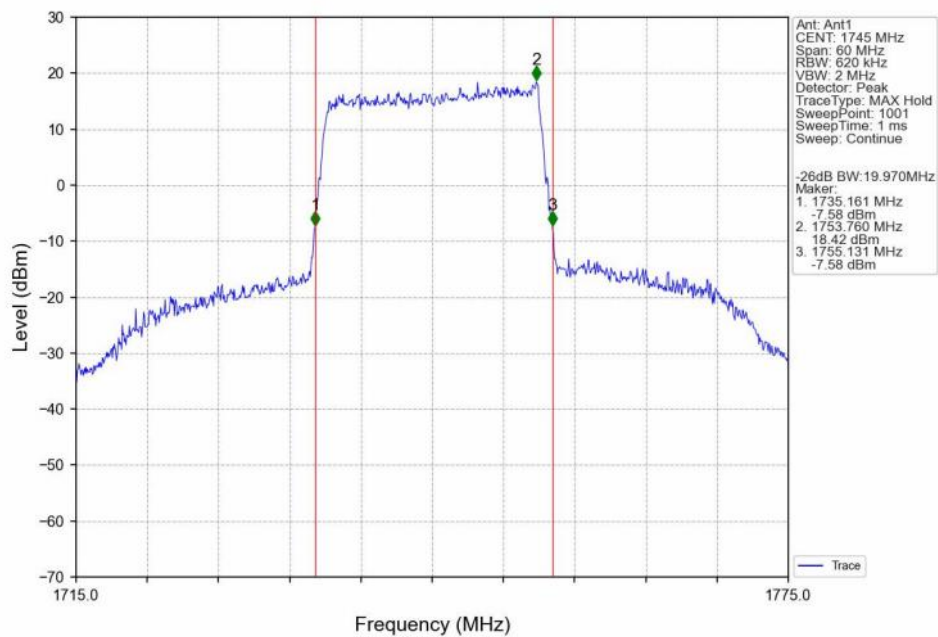
Band66_15MHz_16QAM_HCH_1772.5MHz_RB_75_0_NTNV



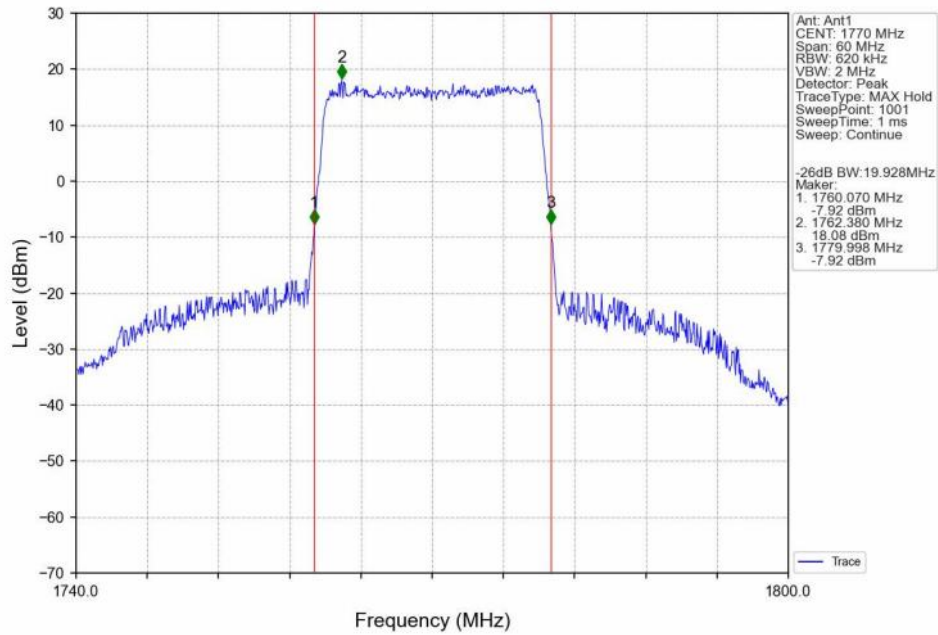
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



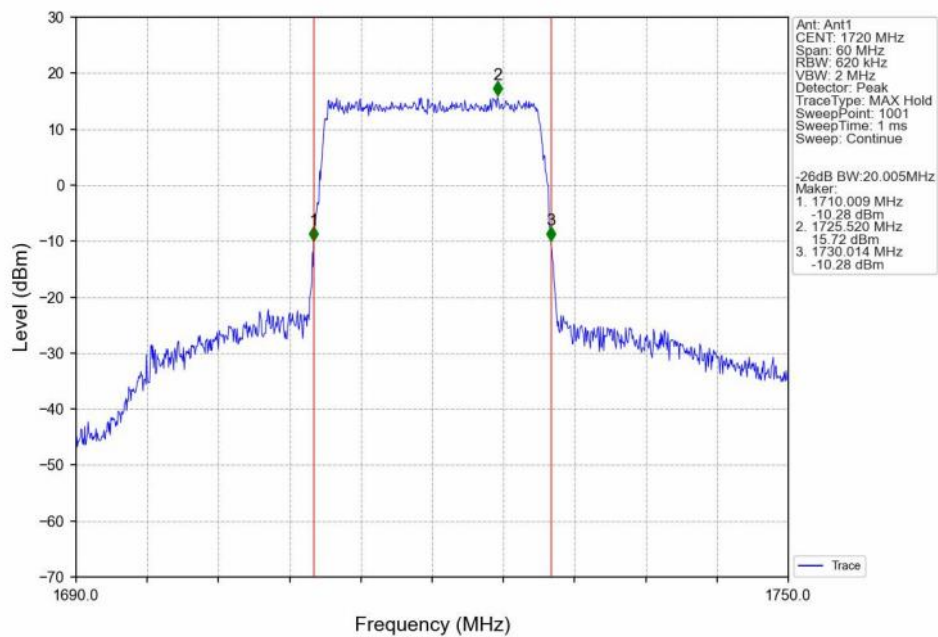
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV



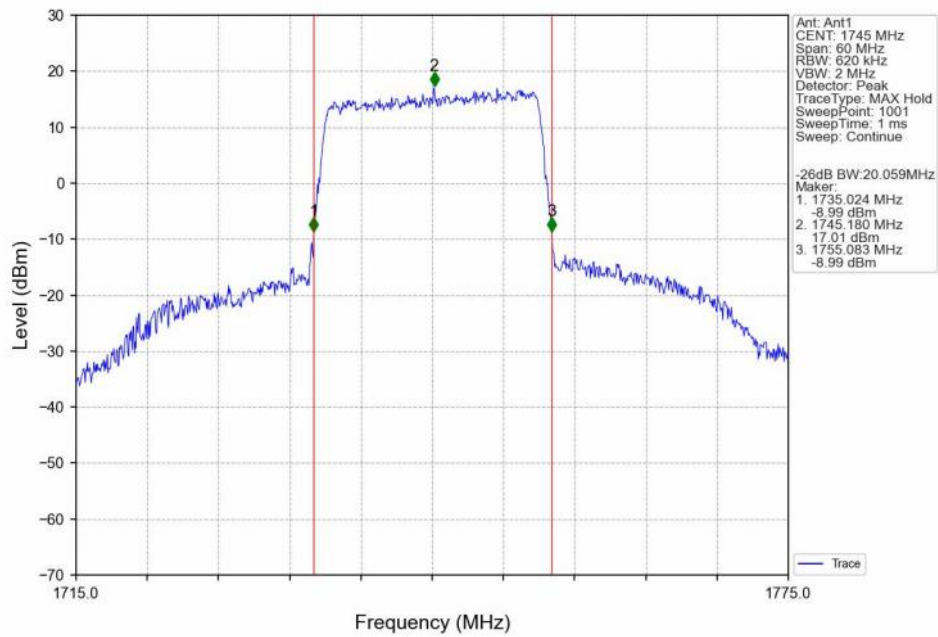
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



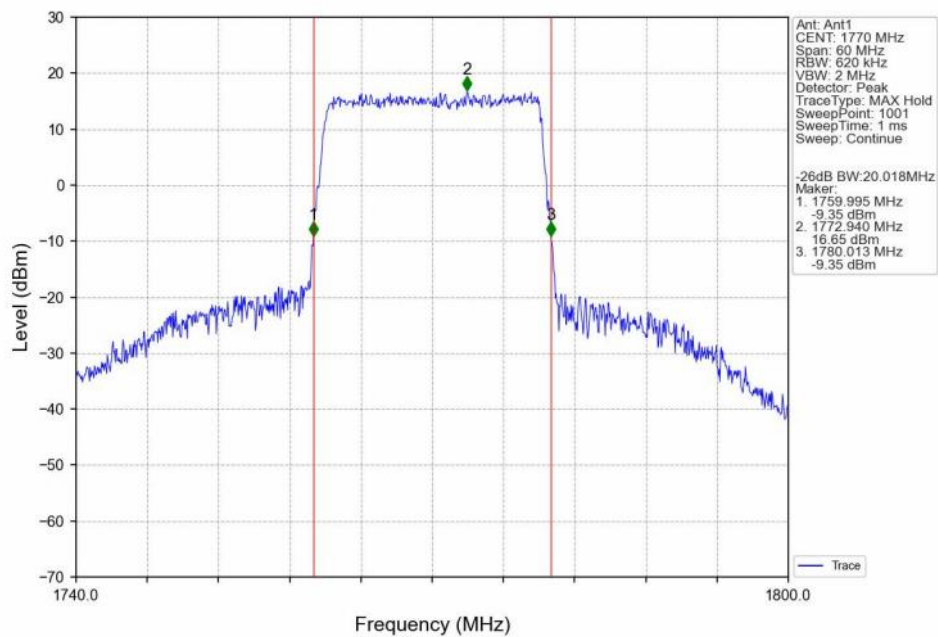
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B66_1.4MHz

Band: 66 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1710.7	6	0	5.11	≤ 13	Pass
	1745	6	0	4.39	≤ 13	Pass
	1779.3	6	0	5.30	≤ 13	Pass
16QAM	1710.7	6	0	5.74	≤ 13	Pass
	1745	6	0	5.18	≤ 13	Pass
	1779.3	6	0	6.06	≤ 13	Pass

5.1.2 B66_3MHz

Band: 66 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1711.5	15	0	5.20	≤ 13	Pass
	1745	15	0	4.49	≤ 13	Pass
	1778.5	15	0	5.37	≤ 13	Pass
16QAM	1711.5	15	0	5.89	≤ 13	Pass
	1745	15	0	5.23	≤ 13	Pass
	1778.5	15	0	6.20	≤ 13	Pass

5.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1712.5	25	0	5.34	≤ 13	Pass
	1745	25	0	4.80	≤ 13	Pass
	1777.5	25	0	5.48	≤ 13	Pass
16QAM	1712.5	25	0	6.13	≤ 13	Pass
	1745	25	0	5.50	≤ 13	Pass
	1777.5	25	0	6.17	≤ 13	Pass

5.1.4 B66_10MHz

Band: 66 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1715	50	0	5.47	≤ 13	Pass
	1745	50	0	4.89	≤ 13	Pass
	1775	50	0	5.56	≤ 13	Pass
16QAM	1715	50	0	6.15	≤ 13	Pass
	1745	50	0	5.55	≤ 13	Pass
	1775	50	0	6.27	≤ 13	Pass

5.1.5 B66_15MHz

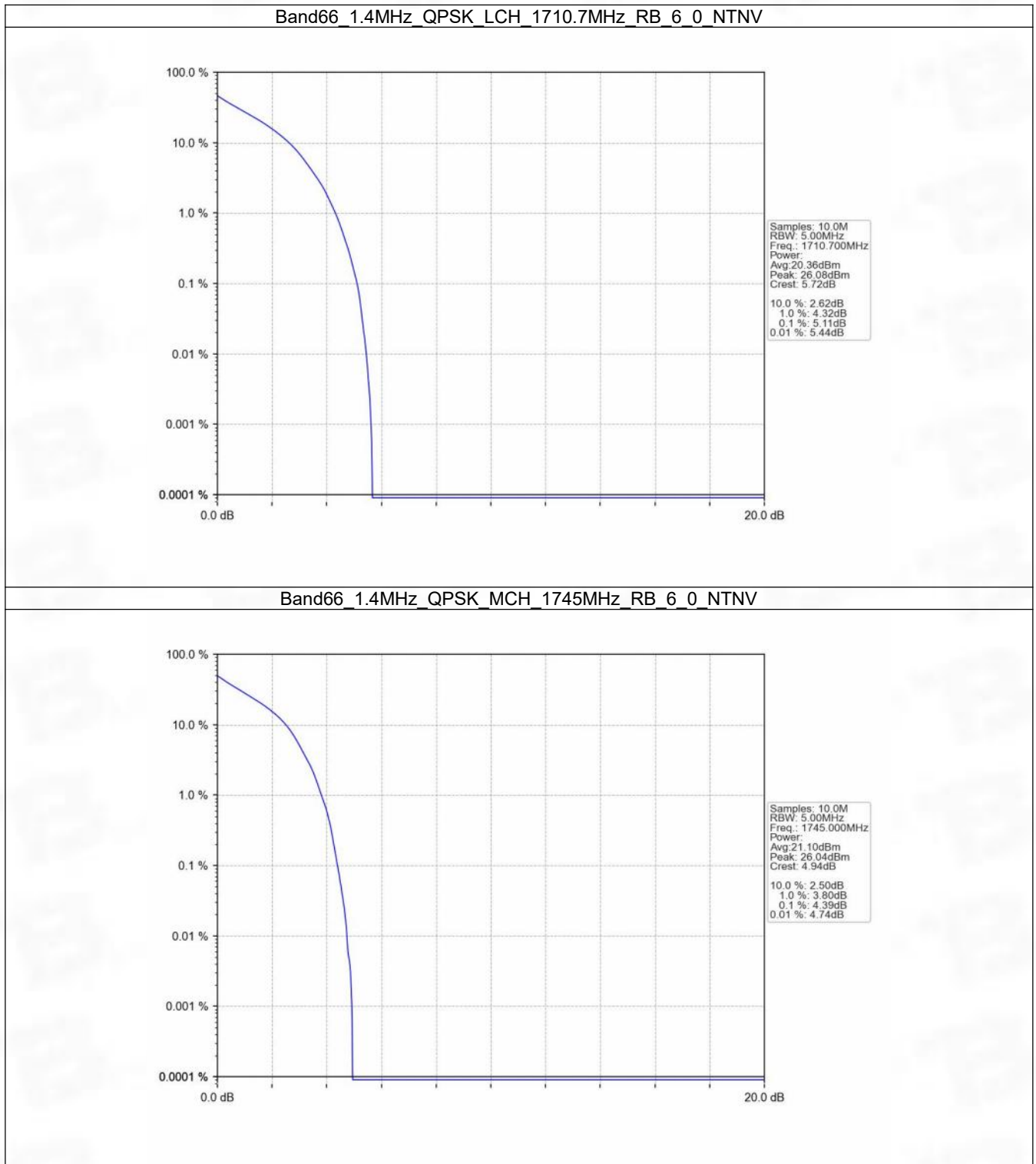
Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1717.5	75	0	5.73	<=13	Pass
	1745	75	0	4.85	<=13	Pass
	1772.5	75	0	5.73	<=13	Pass
16QAM	1717.5	75	0	6.27	<=13	Pass
	1745	75	0	5.47	<=13	Pass
	1772.5	75	0	6.21	<=13	Pass

5.1.6 B66_20MHz

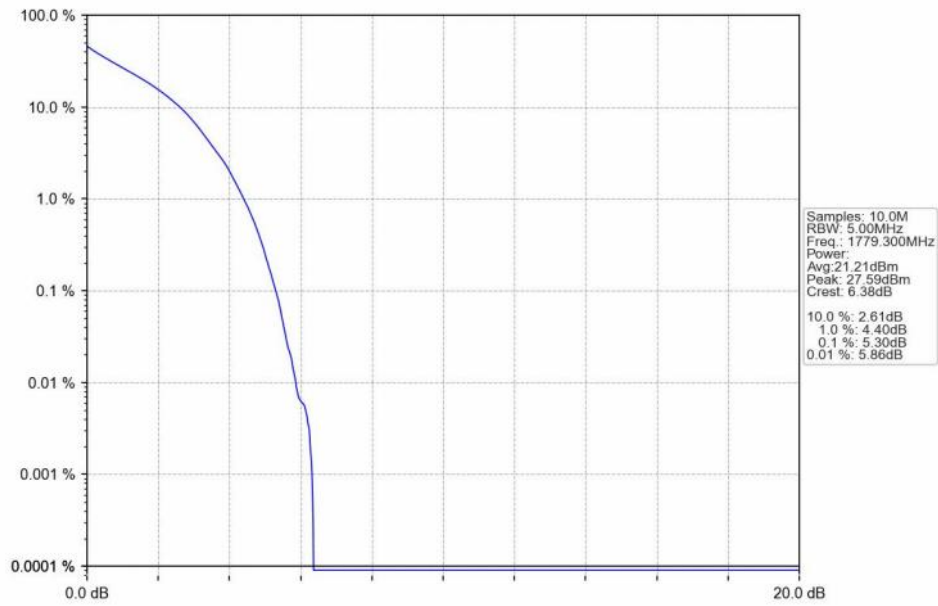
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1720	100	0	5.62	<=13	Pass
	1745	100	0	4.97	<=13	Pass
	1770	100	0	5.48	<=13	Pass
16QAM	1720	100	0	6.31	<=13	Pass
	1745	100	0	5.66	<=13	Pass
	1770	100	0	6.25	<=13	Pass

5.2 Test Graph

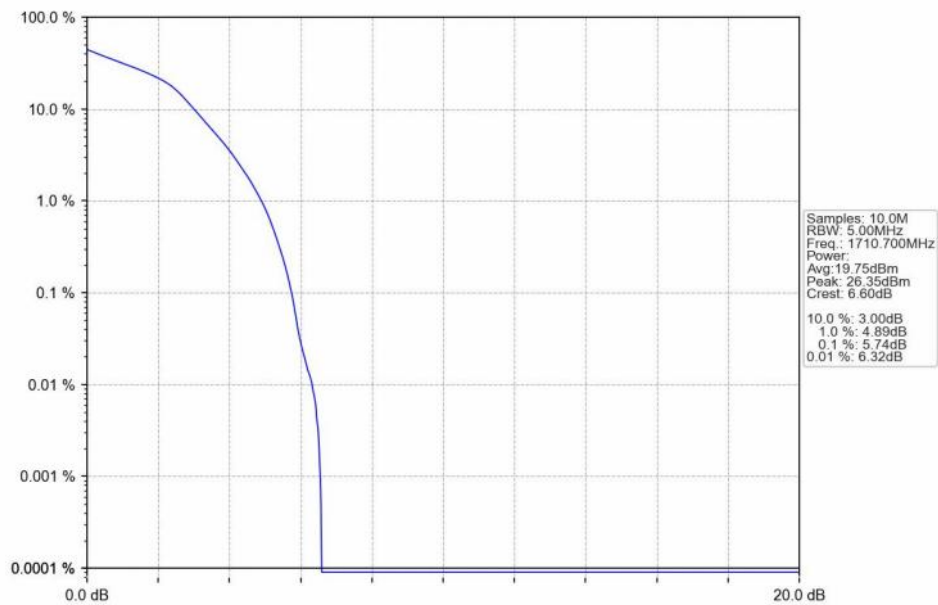
5.2.1 B66_1.4MHz



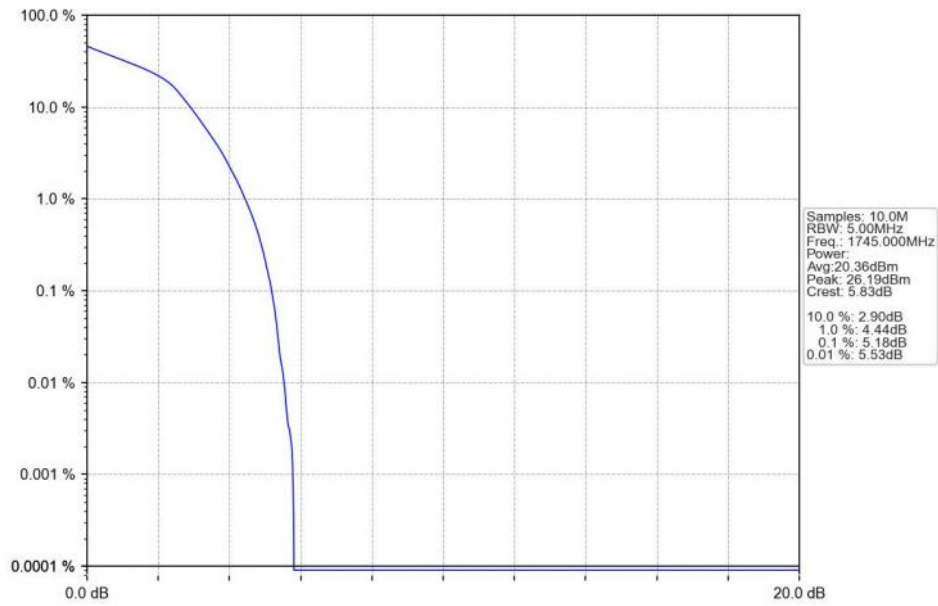
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



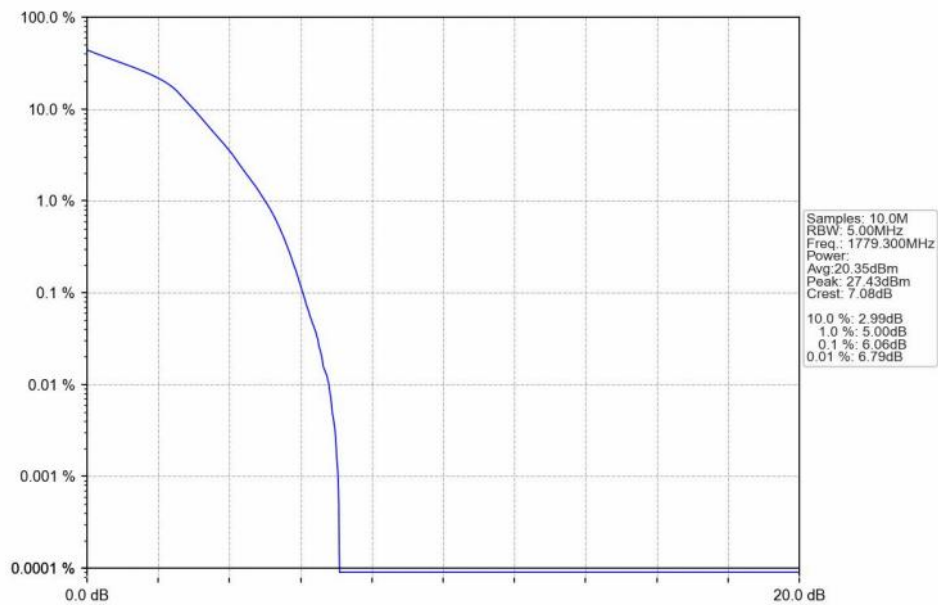
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



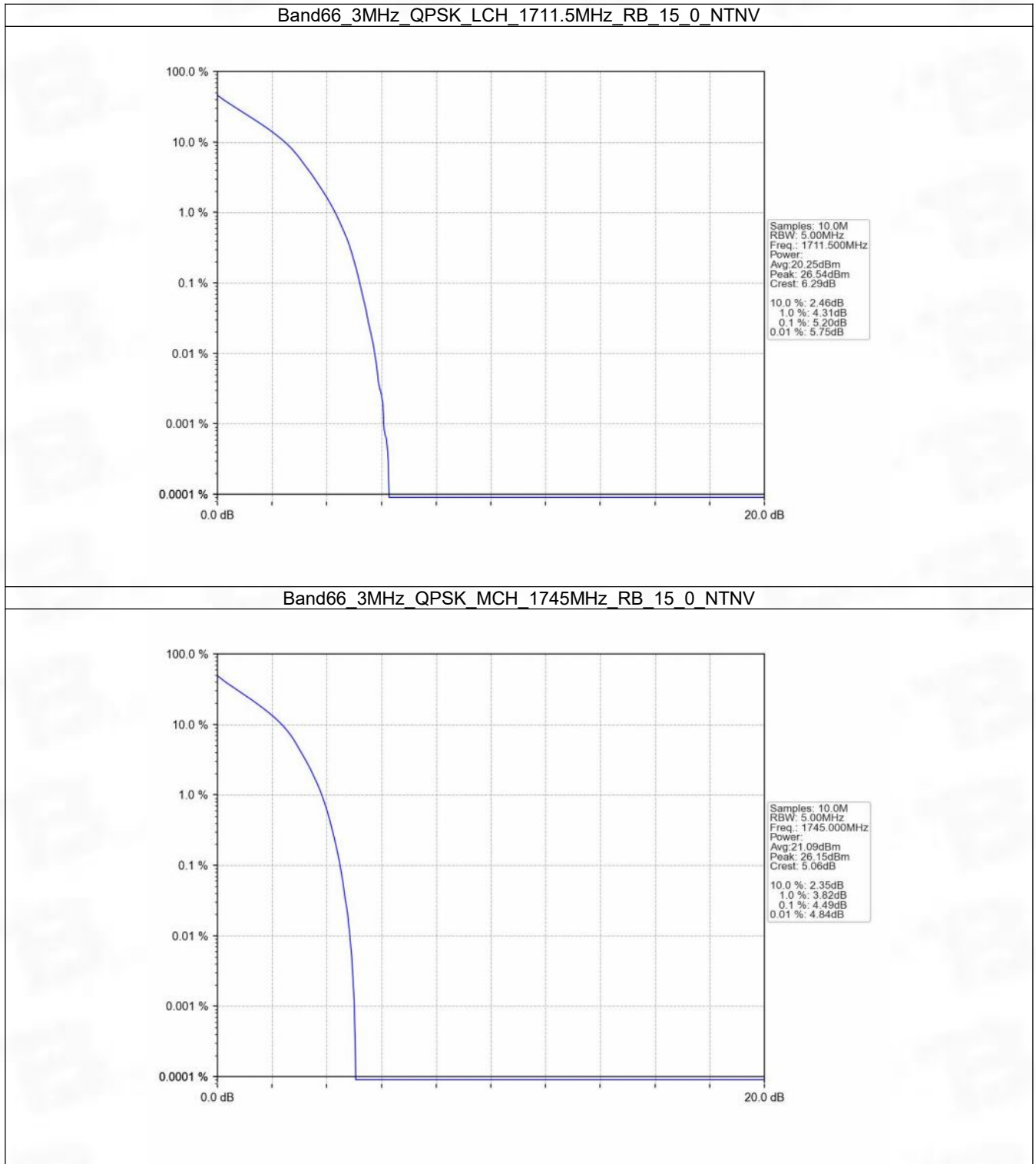
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



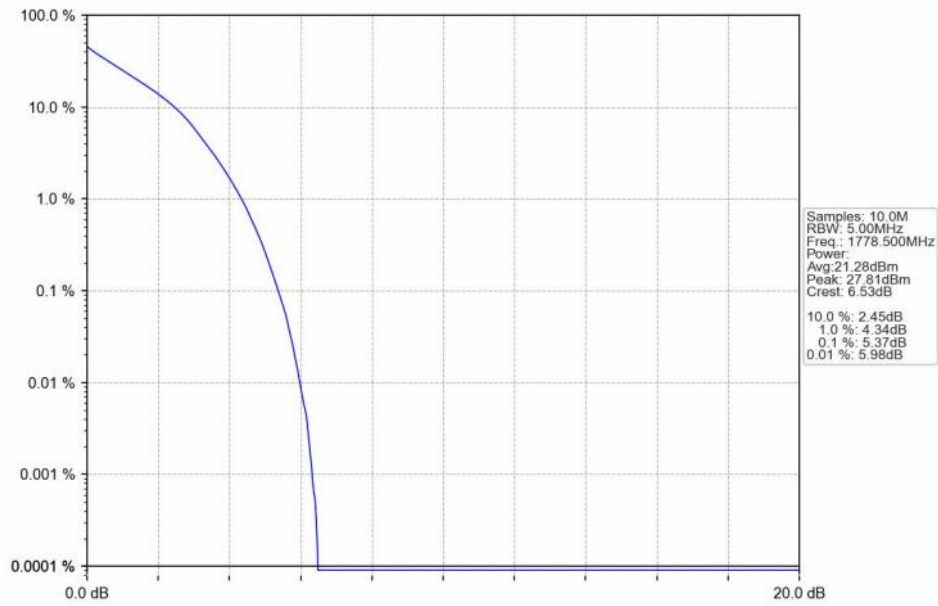
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



5.2.2 B66_3MHz



Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV

