

Appendix - LTE_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	21.93	0.72	22.65	<=30	Pass
			2	22.00	0.72	22.72	<=30	Pass
			5	21.96	0.72	22.68	<=30	Pass
		3	0	22.00	0.72	22.72	<=30	Pass
			2	21.91	0.72	22.63	<=30	Pass
			3	21.98	0.72	22.70	<=30	Pass
		6	0	20.95	0.72	21.67	<=30	Pass
	1745	1	0	21.94	0.72	22.66	<=30	Pass
			2	21.99	0.72	22.71	<=30	Pass
			5	21.95	0.72	22.67	<=30	Pass
		3	0	22.06	0.72	22.78	<=30	Pass
			2	22.09	0.72	22.81	<=30	Pass
			3	22.06	0.72	22.78	<=30	Pass
		6	0	21.11	0.72	21.83	<=30	Pass
	1779.3	1	0	22.21	0.72	22.93	<=30	Pass
			2	22.20	0.72	22.92	<=30	Pass
			5	22.19	0.72	22.91	<=30	Pass
		3	0	22.29	0.72	23.01	<=30	Pass
			2	22.32	0.72	23.04	<=30	Pass
			3	22.23	0.72	22.95	<=30	Pass
		6	0	21.23	0.72	21.95	<=30	Pass
16QAM	1710.7	1	0	20.99	0.72	21.71	<=30	Pass
			2	20.96	0.72	21.68	<=30	Pass
			5	20.97	0.72	21.69	<=30	Pass
		3	0	20.82	0.72	21.54	<=30	Pass
			2	20.81	0.72	21.53	<=30	Pass
			3	20.77	0.72	21.49	<=30	Pass
		6	0	20.01	0.72	20.73	<=30	Pass
	1745	1	0	21.86	0.72	22.58	<=30	Pass
			2	22.28	0.72	23.00	<=30	Pass
			5	21.94	0.72	22.66	<=30	Pass
		3	0	20.94	0.72	21.66	<=30	Pass
			2	20.90	0.72	21.62	<=30	Pass
			3	20.83	0.72	21.55	<=30	Pass
		6	0	20.56	0.72	21.28	<=30	Pass
	1779.3	1	0	21.74	0.72	22.46	<=30	Pass
			2	21.75	0.72	22.47	<=30	Pass
			5	21.78	0.72	22.50	<=30	Pass
		3	0	21.04	0.72	21.76	<=30	Pass
			2	21.09	0.72	21.81	<=30	Pass
			3	21.06	0.72	21.78	<=30	Pass
		6	0	20.63	0.72	21.35	<=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	21.01	0.72	21.73	<=30	Pass	
			7	21.02	0.72	21.74	<=30	Pass	
			14	20.97	0.72	21.69	<=30	Pass	
		8	0	20.95	0.72	21.67	<=30	Pass	
			4	20.93	0.72	21.65	<=30	Pass	
			7	20.91	0.72	21.63	<=30	Pass	
		15	0	21.02	0.72	21.74	<=30	Pass	
		1745	1	0	21.04	0.72	21.76	<=30	Pass
				7	21.03	0.72	21.75	<=30	Pass
	14			21.03	0.72	21.75	<=30	Pass	
	8		0	21.02	0.72	21.74	<=30	Pass	
			4	21.04	0.72	21.76	<=30	Pass	
			7	21.02	0.72	21.74	<=30	Pass	
	15	0	21.03	0.72	21.75	<=30	Pass		
	1778.5	1	0	21.21	0.72	21.93	<=30	Pass	
			7	21.18	0.72	21.90	<=30	Pass	
			14	21.23	0.72	21.95	<=30	Pass	
		8	0	21.17	0.72	21.89	<=30	Pass	
			4	21.19	0.72	21.91	<=30	Pass	
			7	21.18	0.72	21.90	<=30	Pass	
		15	0	21.21	0.72	21.93	<=30	Pass	
16QAM		1711.5	1	0	21.02	0.72	21.74	<=30	Pass
				7	21.01	0.72	21.73	<=30	Pass
	14			21.00	0.72	21.72	<=30	Pass	
	8		0	21.00	0.72	21.72	<=30	Pass	
			4	20.99	0.72	21.71	<=30	Pass	
			7	20.98	0.72	21.70	<=30	Pass	
	15		0	20.98	0.72	21.70	<=30	Pass	
	1745		1	0	21.03	0.72	21.75	<=30	Pass
				7	21.03	0.72	21.75	<=30	Pass
		14		21.03	0.72	21.75	<=30	Pass	
		8	0	21.03	0.72	21.75	<=30	Pass	
			4	21.05	0.72	21.77	<=30	Pass	
			7	21.03	0.72	21.75	<=30	Pass	
	15	0	21.03	0.72	21.75	<=30	Pass		
	1778.5	1	0	21.22	0.72	21.94	<=30	Pass	
			7	21.20	0.72	21.92	<=30	Pass	
			14	21.20	0.72	21.92	<=30	Pass	
		8	0	21.20	0.72	21.92	<=30	Pass	
			4	21.20	0.72	21.92	<=30	Pass	
			7	21.20	0.72	21.92	<=30	Pass	
		15	0	21.20	0.72	21.92	<=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	21.82	0.72	22.54	<=30	Pass
			13	21.93	0.72	22.65	<=30	Pass
			24	21.88	0.72	22.60	<=30	Pass
		12	0	20.94	0.72	21.66	<=30	Pass
			6	20.89	0.72	21.61	<=30	Pass
			13	20.96	0.72	21.68	<=30	Pass

	1745	25	0	20.97	0.72	21.69	<=30	Pass	
			0	21.82	0.72	22.54	<=30	Pass	
		1	13	21.89	0.72	22.61	<=30	Pass	
			24	21.84	0.72	22.56	<=30	Pass	
			0	20.96	0.72	21.68	<=30	Pass	
		12	6	20.99	0.72	21.71	<=30	Pass	
			13	21.08	0.72	21.80	<=30	Pass	
			25	0	21.03	0.72	21.75	<=30	Pass
		1777.5	1	0	22.12	0.72	22.84	<=30	Pass
				13	22.13	0.72	22.85	<=30	Pass
	24			22.16	0.72	22.88	<=30	Pass	
	12		0	21.22	0.72	21.94	<=30	Pass	
			6	21.12	0.72	21.84	<=30	Pass	
			13	21.19	0.72	21.91	<=30	Pass	
	25		0	21.23	0.72	21.95	<=30	Pass	
	16QAM	1712.5	1	0	20.63	0.72	21.35	<=30	Pass
				13	20.63	0.72	21.35	<=30	Pass
				24	20.65	0.72	21.37	<=30	Pass
			12	0	19.99	0.72	20.71	<=30	Pass
6				20.04	0.72	20.76	<=30	Pass	
13				20.04	0.72	20.76	<=30	Pass	
25			0	20.11	0.72	20.83	<=30	Pass	
1745		1	0	21.49	0.72	22.21	<=30	Pass	
			13	21.52	0.72	22.24	<=30	Pass	
			24	21.59	0.72	22.31	<=30	Pass	
		12	0	19.99	0.72	20.71	<=30	Pass	
			6	20.35	0.72	21.07	<=30	Pass	
			13	20.06	0.72	20.78	<=30	Pass	
		25	0	20.40	0.72	21.12	<=30	Pass	
1777.5		1	0	21.79	0.72	22.51	<=30	Pass	
			13	21.65	0.72	22.37	<=30	Pass	
			24	21.58	0.72	22.30	<=30	Pass	
		12	0	20.42	0.72	21.14	<=30	Pass	
			6	20.40	0.72	21.12	<=30	Pass	
			13	20.45	0.72	21.17	<=30	Pass	
		25	0	20.48	0.72	21.20	<=30	Pass	
		Note1: EIRP=Conducted Power+Antenna Gain							

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	21.88	0.72	22.60	<=30	Pass
			25	21.91	0.72	22.63	<=30	Pass
			49	21.90	0.72	22.62	<=30	Pass
		25	0	20.97	0.72	21.69	<=30	Pass
			13	20.94	0.72	21.66	<=30	Pass
			25	20.96	0.72	21.68	<=30	Pass
		50	0	21.05	0.72	21.77	<=30	Pass
		1745	0	22.03	0.72	22.75	<=30	Pass
			25	22.04	0.72	22.76	<=30	Pass
			49	22.03	0.72	22.75	<=30	Pass
			0	21.01	0.72	21.73	<=30	Pass
			13	20.98	0.72	21.70	<=30	Pass
			25	21.10	0.72	21.82	<=30	Pass
		50	0	21.01	0.72	21.73	<=30	Pass
	1775	1	0	22.02	0.72	22.74	<=30	Pass

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BTF Testing Lab (Shenzhen) Co., Ltd.

Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

Email: info@btf-lab.com

Tel: +86-755-23146130

<http://www.btf-lab.com>

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16QAM		25	25	22.13	0.72	22.85	<=30	Pass
			49	22.24	0.72	22.96	<=30	Pass
			0	21.17	0.72	21.89	<=30	Pass
			13	21.15	0.72	21.87	<=30	Pass
			25	21.11	0.72	21.83	<=30	Pass
	1715	1	0	21.17	0.72	21.89	<=30	Pass
			25	22.20	0.72	22.92	<=30	Pass
			49	22.26	0.72	22.98	<=30	Pass
		25	0	22.35	0.72	23.07	<=30	Pass
			0	20.08	0.72	20.80	<=30	Pass
			13	20.44	0.72	21.16	<=30	Pass
	1745	1	25	20.41	0.72	21.13	<=30	Pass
			0	20.42	0.72	21.14	<=30	Pass
			0	21.75	0.72	22.47	<=30	Pass
		25	0	21.76	0.72	22.48	<=30	Pass
			49	21.82	0.72	22.54	<=30	Pass
	1775	1	0	20.07	0.72	20.79	<=30	Pass
			13	20.36	0.72	21.08	<=30	Pass
			25	20.09	0.72	20.81	<=30	Pass
		25	0	20.34	0.72	21.06	<=30	Pass
			0	21.24	0.72	21.96	<=30	Pass
	1775	1	25	21.43	0.72	22.15	<=30	Pass
			49	21.39	0.72	22.11	<=30	Pass
			0	20.34	0.72	21.06	<=30	Pass
		25	13	20.34	0.72	21.06	<=30	Pass
			25	20.72	0.72	21.44	<=30	Pass
		50	0	20.22	0.72	20.94	<=30	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.5 B66_15MHz_EIRP

Band: 66 / 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	22.00	0.72	22.72	<=30	Pass
			38	22.10	0.72	22.82	<=30	Pass
			74	22.13	0.72	22.85	<=30	Pass
		36	0	20.89	0.72	21.61	<=30	Pass
			18	20.96	0.72	21.68	<=30	Pass
			39	21.03	0.72	21.75	<=30	Pass
		75	0	21.00	0.72	21.72	<=30	Pass
	1745	1	0	21.98	0.72	22.70	<=30	Pass
			38	21.98	0.72	22.70	<=30	Pass
			74	22.06	0.72	22.78	<=30	Pass
		36	0	21.00	0.72	21.72	<=30	Pass
			18	21.05	0.72	21.77	<=30	Pass
			39	21.12	0.72	21.84	<=30	Pass
		75	0	21.03	0.72	21.75	<=30	Pass
	1772.5	1	0	21.96	0.72	22.68	<=30	Pass
			38	22.04	0.72	22.76	<=30	Pass
			74	22.09	0.72	22.81	<=30	Pass
		36	0	21.13	0.72	21.85	<=30	Pass
			18	21.17	0.72	21.89	<=30	Pass
			39	21.21	0.72	21.93	<=30	Pass
		75	0	21.22	0.72	21.94	<=30	Pass
16QAM	1717.5	1	0	21.54	0.72	22.26	<=30	Pass
			38	21.67	0.72	22.39	<=30	Pass
			74	21.71	0.72	22.43	<=30	Pass

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Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

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Tel: +86-755-23146130

<http://www.btf-lab.com>

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		36	0	20.47	0.72	21.19	<=30	Pass
			18	20.48	0.72	21.20	<=30	Pass
			39	20.13	0.72	20.85	<=30	Pass
		75	0	20.37	0.72	21.09	<=30	Pass
	1745	1	0	21.71	0.72	22.43	<=30	Pass
			38	21.78	0.72	22.50	<=30	Pass
			74	21.82	0.72	22.54	<=30	Pass
		36	0	20.22	0.72	20.94	<=30	Pass
			18	20.47	0.72	21.19	<=30	Pass
			39	20.14	0.72	20.86	<=30	Pass
		75	0	20.35	0.72	21.07	<=30	Pass
	1772.5	1	0	21.86	0.72	22.58	<=30	Pass
			38	21.90	0.72	22.62	<=30	Pass
			74	22.00	0.72	22.72	<=30	Pass
		36	0	20.21	0.72	20.93	<=30	Pass
			18	20.22	0.72	20.94	<=30	Pass
			39	20.53	0.72	21.25	<=30	Pass
		75	0	20.21	0.72	20.93	<=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	20.95	0.72	21.67	<=30	Pass
			50	20.95	0.72	21.67	<=30	Pass
			99	20.97	0.72	21.69	<=30	Pass
		50	0	20.96	0.72	21.68	<=30	Pass
			25	20.94	0.72	21.66	<=30	Pass
			50	21.04	0.72	21.76	<=30	Pass
	1745	100	0	21.02	0.72	21.74	<=30	Pass
			0	20.94	0.72	21.66	<=30	Pass
			50	21.01	0.72	21.73	<=30	Pass
		1	99	21.03	0.72	21.75	<=30	Pass
			0	21.06	0.72	21.78	<=30	Pass
			25	21.06	0.72	21.78	<=30	Pass
		50	50	21.05	0.72	21.77	<=30	Pass
			0	21.05	0.72	21.77	<=30	Pass
			100	21.05	0.72	21.77	<=30	Pass
	1770	1	0	21.20	0.72	21.92	<=30	Pass
			50	21.17	0.72	21.89	<=30	Pass
			99	21.16	0.72	21.88	<=30	Pass
		50	0	21.15	0.72	21.87	<=30	Pass
			25	21.15	0.72	21.87	<=30	Pass
			50	21.15	0.72	21.87	<=30	Pass
		100	0	21.15	0.72	21.87	<=30	Pass
			0	21.01	0.72	21.73	<=30	Pass
			50	21.00	0.72	21.72	<=30	Pass
16QAM	1720	1	99	20.98	0.72	21.70	<=30	Pass
			0	20.99	0.72	21.71	<=30	Pass
			50	20.97	0.72	21.69	<=30	Pass
		50	50	20.96	0.72	21.68	<=30	Pass
			0	20.96	0.72	21.68	<=30	Pass
			100	20.96	0.72	21.68	<=30	Pass
	1745	1	0	21.05	0.72	21.77	<=30	Pass
			50	21.05	0.72	21.77	<=30	Pass
			99	21.05	0.72	21.77	<=30	Pass
		50	0	21.04	0.72	21.76	<=30	Pass
			25	21.04	0.72	21.76	<=30	Pass
			50	21.04	0.72	21.76	<=30	Pass

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BTF Testing Lab (Shenzhen) Co., Ltd.

Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

Email: info@btf-lab.com

Tel: +86-755-23146130

<http://www.btf-lab.com>

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		100	50	21.04	0.72	21.76	<=30	Pass
			0	21.04	0.72	21.76	<=30	Pass
	1770	1	0	21.15	0.72	21.87	<=30	Pass
			50	21.15	0.72	21.87	<=30	Pass
			99	21.15	0.72	21.87	<=30	Pass
	50		0	21.15	0.72	21.87	<=30	Pass
			25	21.15	0.72	21.87	<=30	Pass
			50	21.15	0.72	21.87	<=30	Pass
	100		0	21.15	0.72	21.87	<=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	27.609	0.0161	-2.5 to 2.5	Pass
					3.85	-23.460	-0.0137	-2.5 to 2.5	Pass
					4.43	-25.077	-0.0147	-2.5 to 2.5	Pass
				-30	3.85	-24.848	-0.0145	-2.5 to 2.5	Pass
				-20	3.85	-26.436	-0.0155	-2.5 to 2.5	Pass
				-10	3.85	-14.548	-0.0085	-2.5 to 2.5	Pass
				0	3.85	3.490	0.0020	-2.5 to 2.5	Pass
				10	3.85	-18.182	-0.0106	-2.5 to 2.5	Pass
				30	3.85	-31.071	-0.0182	-2.5 to 2.5	Pass
				40	3.85	-19.555	-0.0114	-2.5 to 2.5	Pass
	50	3.85	-25.134	-0.0147	-2.5 to 2.5	Pass			
	1745	6	0	20	3.27	7.782	0.0045	-2.5 to 2.5	Pass
					3.85	2.060	0.0012	-2.5 to 2.5	Pass
					4.43	-26.407	-0.0151	-2.5 to 2.5	Pass
				-30	3.85	-10.800	-0.0062	-2.5 to 2.5	Pass
				-20	3.85	-27.852	-0.0160	-2.5 to 2.5	Pass
				-10	3.85	-43.445	-0.0249	-2.5 to 2.5	Pass
				0	3.85	4.320	0.0025	-2.5 to 2.5	Pass
				10	3.85	-13.304	-0.0076	-2.5 to 2.5	Pass
				30	3.85	-21.701	-0.0124	-2.5 to 2.5	Pass
				40	3.85	-30.270	-0.0173	-2.5 to 2.5	Pass
	50	3.85	-6.609	-0.0038	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.27	-19.598	-0.0110	-2.5 to 2.5	Pass
					3.85	-38.538	-0.0217	-2.5 to 2.5	Pass
					4.43	-11.816	-0.0066	-2.5 to 2.5	Pass
				-30	3.85	-5.980	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-29.912	-0.0168	-2.5 to 2.5	Pass
				-10	3.85	-24.419	-0.0137	-2.5 to 2.5	Pass
				0	3.85	-8.426	-0.0047	-2.5 to 2.5	Pass
				10	3.85	-22.016	-0.0124	-2.5 to 2.5	Pass
				30	3.85	-41.113	-0.0231	-2.5 to 2.5	Pass
40				3.85	-14.162	-0.0080	-2.5 to 2.5	Pass	
50				3.85	-20.027	-0.0113	-2.5 to 2.5	Pass	
16QAM	1710.7	6	0	20	3.27	-19.112	-0.0112	-2.5 to 2.5	Pass
					3.85	-15.221	-0.0089	-2.5 to 2.5	Pass
					4.43	-18.868	-0.0110	-2.5 to 2.5	Pass

				-30	3.85	-14.763	-0.0086	-2.5 to 2.5	Pass
				-20	3.85	-26.078	-0.0152	-2.5 to 2.5	Pass
				-10	3.85	-23.646	-0.0138	-2.5 to 2.5	Pass
				0	3.85	-1.488	-0.0009	-2.5 to 2.5	Pass
				10	3.85	-22.745	-0.0133	-2.5 to 2.5	Pass
				30	3.85	-32.330	-0.0189	-2.5 to 2.5	Pass
				40	3.85	3.376	0.0020	-2.5 to 2.5	Pass
				50	3.85	-8.154	-0.0048	-2.5 to 2.5	Pass
	1745	6	0	20	3.27	-13.919	-0.0080	-2.5 to 2.5	Pass
					3.85	-3.533	-0.0020	-2.5 to 2.5	Pass
					4.43	5.736	0.0033	-2.5 to 2.5	Pass
				-30	3.85	16.437	0.0094	-2.5 to 2.5	Pass
				-20	3.85	20.671	0.0118	-2.5 to 2.5	Pass
				-10	3.85	26.979	0.0155	-2.5 to 2.5	Pass
				0	3.85	34.933	0.0200	-2.5 to 2.5	Pass
				10	3.85	37.823	0.0217	-2.5 to 2.5	Pass
				30	3.85	6.623	0.0038	-2.5 to 2.5	Pass
				40	3.85	6.866	0.0039	-2.5 to 2.5	Pass
				50	3.85	9.570	0.0055	-2.5 to 2.5	Pass
	1779.3	6	0	20	3.27	-33.145	-0.0186	-2.5 to 2.5	Pass
					3.85	-23.789	-0.0134	-2.5 to 2.5	Pass
					4.43	-12.202	-0.0069	-2.5 to 2.5	Pass
				-30	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	1.845	0.0010	-2.5 to 2.5	Pass
				-10	3.85	10.314	0.0058	-2.5 to 2.5	Pass
				0	3.85	15.979	0.0090	-2.5 to 2.5	Pass
				10	3.85	15.063	0.0085	-2.5 to 2.5	Pass
				30	3.85	21.172	0.0119	-2.5 to 2.5	Pass
				40	3.85	19.140	0.0108	-2.5 to 2.5	Pass
				50	3.85	22.931	0.0129	-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	5.264	0.0031	-2.5 to 2.5	Pass
					3.85	-29.354	-0.0172	-2.5 to 2.5	Pass
					4.43	-27.609	-0.0161	-2.5 to 2.5	Pass
				-30	3.85	-29.740	-0.0174	-2.5 to 2.5	Pass
				-20	3.85	-32.401	-0.0189	-2.5 to 2.5	Pass
				-10	3.85	-26.550	-0.0155	-2.5 to 2.5	Pass
				0	3.85	-30.398	-0.0178	-2.5 to 2.5	Pass
				10	3.85	-19.813	-0.0116	-2.5 to 2.5	Pass
				30	3.85	-14.462	-0.0084	-2.5 to 2.5	Pass
				40	3.85	-29.211	-0.0171	-2.5 to 2.5	Pass
	1745	15	0	20	3.85	-10.343	-0.0060	-2.5 to 2.5	Pass
					3.27	-40.469	-0.0232	-2.5 to 2.5	Pass
					3.85	-19.498	-0.0112	-2.5 to 2.5	Pass
					4.43	-7.825	-0.0045	-2.5 to 2.5	Pass
				-30	3.85	-32.816	-0.0188	-2.5 to 2.5	Pass
				-20	3.85	-4.678	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-13.275	-0.0076	-2.5 to 2.5	Pass
				0	3.85	-29.297	-0.0168	-2.5 to 2.5	Pass
				10	3.85	-2.418	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-3.362	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-27.623	-0.0158	-2.5 to 2.5	Pass
				50	3.85	-15.721	-0.0090	-2.5 to 2.5	Pass

16QAM	1778.5	15	0	20	3.27	-2.947	-0.0017	-2.5 to 2.5	Pass
					3.85	-25.434	-0.0143	-2.5 to 2.5	Pass
					4.43	-36.893	-0.0207	-2.5 to 2.5	Pass
				-30	3.85	-40.126	-0.0226	-2.5 to 2.5	Pass
				-20	3.85	-25.234	-0.0142	-2.5 to 2.5	Pass
				-10	3.85	-18.239	-0.0103	-2.5 to 2.5	Pass
				0	3.85	-7.038	-0.0040	-2.5 to 2.5	Pass
				10	3.85	-9.384	-0.0053	-2.5 to 2.5	Pass
				30	3.85	-25.649	-0.0144	-2.5 to 2.5	Pass
				40	3.85	-12.345	-0.0069	-2.5 to 2.5	Pass
				50	3.85	-32.773	-0.0184	-2.5 to 2.5	Pass
	1711.5	15	0	20	3.27	-28.353	-0.0166	-2.5 to 2.5	Pass
					3.85	-19.255	-0.0113	-2.5 to 2.5	Pass
					4.43	-20.485	-0.0120	-2.5 to 2.5	Pass
				-30	3.85	-16.937	-0.0099	-2.5 to 2.5	Pass
				-20	3.85	-30.885	-0.0180	-2.5 to 2.5	Pass
				-10	3.85	-27.609	-0.0161	-2.5 to 2.5	Pass
				0	3.85	-20.442	-0.0119	-2.5 to 2.5	Pass
				10	3.85	-28.052	-0.0164	-2.5 to 2.5	Pass
				30	3.85	-29.454	-0.0172	-2.5 to 2.5	Pass
				40	3.85	-22.073	-0.0129	-2.5 to 2.5	Pass
16QAM	1745	15	0	20	3.27	-0.529	-0.0003	-2.5 to 2.5	Pass
					3.85	-6.166	-0.0035	-2.5 to 2.5	Pass
					4.43	-11.301	-0.0065	-2.5 to 2.5	Pass
				-30	3.85	-40.798	-0.0234	-2.5 to 2.5	Pass
				-20	3.85	-30.870	-0.0177	-2.5 to 2.5	Pass
				-10	3.85	-21.071	-0.0121	-2.5 to 2.5	Pass
				0	3.85	-28.439	-0.0163	-2.5 to 2.5	Pass
				10	3.85	-13.919	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-35.977	-0.0206	-2.5 to 2.5	Pass
				40	3.85	-33.860	-0.0194	-2.5 to 2.5	Pass
	1778.5	15	0	20	3.27	-17.581	-0.0099	-2.5 to 2.5	Pass
					3.85	-29.168	-0.0164	-2.5 to 2.5	Pass
					4.43	-37.651	-0.0212	-2.5 to 2.5	Pass
				-30	3.85	-11.487	-0.0065	-2.5 to 2.5	Pass
				-20	3.85	-36.178	-0.0203	-2.5 to 2.5	Pass
				-10	3.85	-39.840	-0.0224	-2.5 to 2.5	Pass
				0	3.85	12.817	0.0072	-2.5 to 2.5	Pass
				10	3.85	-10.343	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-14.005	-0.0079	-2.5 to 2.5	Pass
				40	3.85	-16.079	-0.0090	-2.5 to 2.5	Pass
				50	3.85	-5.150	-0.0029	-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	-34.733	-0.0203	-2.5 to 2.5	Pass
					3.85	-29.154	-0.0170	-2.5 to 2.5	Pass
					4.43	-27.995	-0.0163	-2.5 to 2.5	Pass
				-30	3.85	-23.217	-0.0136	-2.5 to 2.5	Pass
				-20	3.85	-36.306	-0.0212	-2.5 to 2.5	Pass
				-10	3.85	-33.159	-0.0194	-2.5 to 2.5	Pass
				0	3.85	-26.522	-0.0155	-2.5 to 2.5	Pass
				10	3.85	-28.911	-0.0169	-2.5 to 2.5	Pass

16QAM	1745	25	0	30	3.85	-17.338	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-30.184	-0.0176	-2.5 to 2.5	Pass
				50	3.85	-16.594	-0.0097	-2.5 to 2.5	Pass
				20	3.27	30.270	0.0173	-2.5 to 2.5	Pass
					3.85	-2.060	-0.0012	-2.5 to 2.5	Pass
					4.43	-15.407	-0.0088	-2.5 to 2.5	Pass
				-30	3.85	-26.107	-0.0150	-2.5 to 2.5	Pass
				-20	3.85	-35.777	-0.0205	-2.5 to 2.5	Pass
				-10	3.85	-6.537	-0.0037	-2.5 to 2.5	Pass
	1777.5	25	0	0	3.85	-20.270	-0.0116	-2.5 to 2.5	Pass
				10	3.85	-31.300	-0.0179	-2.5 to 2.5	Pass
				30	3.85	-9.642	-0.0055	-2.5 to 2.5	Pass
				40	3.85	-17.109	-0.0098	-2.5 to 2.5	Pass
				50	3.85	-29.197	-0.0167	-2.5 to 2.5	Pass
				20	3.27	1.316	0.0007	-2.5 to 2.5	Pass
					3.85	-14.920	-0.0084	-2.5 to 2.5	Pass
					4.43	3.262	0.0018	-2.5 to 2.5	Pass
				-30	3.85	-12.074	-0.0068	-2.5 to 2.5	Pass
				-20	3.85	-25.392	-0.0143	-2.5 to 2.5	Pass
				-10	3.85	-35.148	-0.0198	-2.5 to 2.5	Pass
				0	3.85	-48.823	-0.0275	-2.5 to 2.5	Pass
				10	3.85	-25.134	-0.0141	-2.5 to 2.5	Pass
				30	3.85	-29.440	-0.0166	-2.5 to 2.5	Pass
				40	3.85	-25.063	-0.0141	-2.5 to 2.5	Pass
				50	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
	1712.5	25	0	20	3.27	-34.261	-0.0200	-2.5 to 2.5	Pass
					3.85	-34.161	-0.0199	-2.5 to 2.5	Pass
					4.43	-40.197	-0.0235	-2.5 to 2.5	Pass
				-30	3.85	-39.053	-0.0228	-2.5 to 2.5	Pass
				-20	3.85	-16.494	-0.0096	-2.5 to 2.5	Pass
				-10	3.85	-28.167	-0.0164	-2.5 to 2.5	Pass
				0	3.85	-9.699	-0.0057	-2.5 to 2.5	Pass
				10	3.85	4.878	0.0028	-2.5 to 2.5	Pass
				30	3.85	-22.788	-0.0133	-2.5 to 2.5	Pass
				40	3.85	-11.530	-0.0067	-2.5 to 2.5	Pass
				50	3.85	-31.672	-0.0185	-2.5 to 2.5	Pass
	1745	25	0	20	3.27	-31.686	-0.0182	-2.5 to 2.5	Pass
					3.85	-2.217	-0.0013	-2.5 to 2.5	Pass
					4.43	-12.846	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-25.978	-0.0149	-2.5 to 2.5	Pass
				-20	3.85	-32.773	-0.0188	-2.5 to 2.5	Pass
				-10	3.85	-4.549	-0.0026	-2.5 to 2.5	Pass
				0	3.85	-10.200	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-28.167	-0.0161	-2.5 to 2.5	Pass
				30	3.85	-36.764	-0.0211	-2.5 to 2.5	Pass
				40	3.85	-45.190	-0.0259	-2.5 to 2.5	Pass
				50	3.85	-5.250	-0.0030	-2.5 to 2.5	Pass
	1777.5	25	0	20	3.27	-11.330	-0.0064	-2.5 to 2.5	Pass
					3.85	-19.512	-0.0110	-2.5 to 2.5	Pass
					4.43	-26.979	-0.0152	-2.5 to 2.5	Pass
				-30	3.85	-0.386	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-10.486	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-18.067	-0.0102	-2.5 to 2.5	Pass
				0	3.85	-24.562	-0.0138	-2.5 to 2.5	Pass
				10	3.85	-34.232	-0.0193	-2.5 to 2.5	Pass
				30	3.85	-5.279	-0.0030	-2.5 to 2.5	Pass
				40	3.85	-11.787	-0.0066	-2.5 to 2.5	Pass
				50	3.85	-21.472	-0.0121	-2.5 to 2.5	Pass

2.1.4 B66_10MHz

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	43.917	0.0256	-2.5 to 2.5	Pass
					3.85	31.643	0.0185	-2.5 to 2.5	Pass
					4.43	17.881	0.0104	-2.5 to 2.5	Pass
				-30	3.85	9.785	0.0057	-2.5 to 2.5	Pass
				-20	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-21.644	-0.0126	-2.5 to 2.5	Pass
				0	3.85	-30.541	-0.0178	-2.5 to 2.5	Pass
				10	3.85	-17.138	-0.0100	-2.5 to 2.5	Pass
				30	3.85	-23.432	-0.0137	-2.5 to 2.5	Pass
				40	3.85	-31.013	-0.0181	-2.5 to 2.5	Pass
				50	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	20.285	0.0116	-2.5 to 2.5	Pass
					3.85	18.582	0.0106	-2.5 to 2.5	Pass
					4.43	8.826	0.0051	-2.5 to 2.5	Pass
				-30	3.85	-1.245	-0.0007	-2.5 to 2.5	Pass
				-20	3.85	-3.576	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-7.253	-0.0042	-2.5 to 2.5	Pass
				0	3.85	-8.311	-0.0048	-2.5 to 2.5	Pass
				10	3.85	-14.005	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-18.911	-0.0108	-2.5 to 2.5	Pass
				40	3.85	-19.169	-0.0110	-2.5 to 2.5	Pass
				50	3.85	-20.628	-0.0118	-2.5 to 2.5	Pass
	1775	50	0	20	3.27	8.297	0.0047	-2.5 to 2.5	Pass
					3.85	-6.480	-0.0037	-2.5 to 2.5	Pass
					4.43	-12.760	-0.0072	-2.5 to 2.5	Pass
				-30	3.85	-20.142	-0.0113	-2.5 to 2.5	Pass
				-20	3.85	-25.749	-0.0145	-2.5 to 2.5	Pass
				-10	3.85	-29.354	-0.0165	-2.5 to 2.5	Pass
				0	3.85	-30.112	-0.0170	-2.5 to 2.5	Pass
				10	3.85	1.616	0.0009	-2.5 to 2.5	Pass
				30	3.85	-0.958	-0.0005	-2.5 to 2.5	Pass
				40	3.85	2.246	0.0013	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.27	-7.238	-0.0042	-2.5 to 2.5	Pass
					3.85	-2.761	-0.0016	-2.5 to 2.5	Pass
					4.43	-1.416	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.233	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-3.476	-0.0020	-2.5 to 2.5	Pass
				-10	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				0	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-9.956	-0.0058	-2.5 to 2.5	Pass
				30	3.85	-11.029	-0.0064	-2.5 to 2.5	Pass
				40	3.85	-14.877	-0.0087	-2.5 to 2.5	Pass
				50	3.85	-19.355	-0.0113	-2.5 to 2.5	Pass
	1745	50	0	20	3.27	-20.299	-0.0116	-2.5 to 2.5	Pass
					3.85	-19.541	-0.0112	-2.5 to 2.5	Pass
					4.43	-12.860	-0.0074	-2.5 to 2.5	Pass
				-30	3.85	-14.548	-0.0083	-2.5 to 2.5	Pass
				-20	3.85	-10.071	-0.0058	-2.5 to 2.5	Pass
				-10	3.85	-6.824	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-10.600	-0.0061	-2.5 to 2.5	Pass
				10	3.85	-10.386	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-12.145	-0.0070	-2.5 to 2.5	Pass
				40	3.85	-11.187	-0.0064	-2.5 to 2.5	Pass

	1775	50	0	50	3.85	-12.188	-0.0070	-2.5 to 2.5	Pass
				20	3.27	-9.642	-0.0054	-2.5 to 2.5	Pass
					3.85	-3.963	-0.0022	-2.5 to 2.5	Pass
					4.43	1.473	0.0008	-2.5 to 2.5	Pass
				-30	3.85	2.375	0.0013	-2.5 to 2.5	Pass
				-20	3.85	1.659	0.0009	-2.5 to 2.5	Pass
				-10	3.85	7.024	0.0040	-2.5 to 2.5	Pass
				0	3.85	6.351	0.0036	-2.5 to 2.5	Pass
				10	3.85	6.351	0.0036	-2.5 to 2.5	Pass
				30	3.85	7.596	0.0043	-2.5 to 2.5	Pass
				40	3.85	3.519	0.0020	-2.5 to 2.5	Pass
				50	3.85	6.838	0.0039	-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	-17.524	-0.0102	-2.5 to 2.5	Pass
					3.85	-22.101	-0.0129	-2.5 to 2.5	Pass
					4.43	-26.836	-0.0156	-2.5 to 2.5	Pass
				-30	3.85	-32.787	-0.0191	-2.5 to 2.5	Pass
				-20	3.85	-31.700	-0.0185	-2.5 to 2.5	Pass
				-10	3.85	-14.448	-0.0084	-2.5 to 2.5	Pass
				0	3.85	-38.023	-0.0221	-2.5 to 2.5	Pass
				10	3.85	14.005	0.0082	-2.5 to 2.5	Pass
				30	3.85	5.293	0.0031	-2.5 to 2.5	Pass
				40	3.85	-1.659	-0.0010	-2.5 to 2.5	Pass
				50	3.85	14.534	0.0085	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	12.317	0.0071	-2.5 to 2.5	Pass
					3.85	18.568	0.0106	-2.5 to 2.5	Pass
					4.43	25.120	0.0144	-2.5 to 2.5	Pass
				-30	3.85	29.340	0.0168	-2.5 to 2.5	Pass
				-20	3.85	32.701	0.0187	-2.5 to 2.5	Pass
				-10	3.85	-1.287	-0.0007	-2.5 to 2.5	Pass
				0	3.85	3.390	0.0019	-2.5 to 2.5	Pass
				10	3.85	12.746	0.0073	-2.5 to 2.5	Pass
				30	3.85	14.291	0.0082	-2.5 to 2.5	Pass
				40	3.85	18.640	0.0107	-2.5 to 2.5	Pass
				50	3.85	24.047	0.0138	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	20.857	0.0118	-2.5 to 2.5	Pass
					3.85	8.883	0.0050	-2.5 to 2.5	Pass
					4.43	5.865	0.0033	-2.5 to 2.5	Pass
				-30	3.85	4.163	0.0023	-2.5 to 2.5	Pass
				-20	3.85	2.017	0.0011	-2.5 to 2.5	Pass
				-10	3.85	6.366	0.0036	-2.5 to 2.5	Pass
				0	3.85	0.429	0.0002	-2.5 to 2.5	Pass
				10	3.85	5.264	0.0030	-2.5 to 2.5	Pass
				30	3.85	15.464	0.0087	-2.5 to 2.5	Pass
				40	3.85	21.987	0.0124	-2.5 to 2.5	Pass
				50	3.85	28.539	0.0161	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.27	24.362	0.0142	-2.5 to 2.5	Pass
					3.85	39.783	0.0232	-2.5 to 2.5	Pass
					4.43	-15.893	-0.0093	-2.5 to 2.5	Pass
				-30	3.85	1.459	0.0008	-2.5 to 2.5	Pass
				-20	3.85	9.656	0.0056	-2.5 to 2.5	Pass
				-10	3.85	15.407	0.0090	-2.5 to 2.5	Pass
				0	3.85	25.277	0.0147	-2.5 to 2.5	Pass

				10	3.85	0.744	0.0004	-2.5 to 2.5	Pass
				30	3.85	7.911	0.0046	-2.5 to 2.5	Pass
				40	3.85	13.533	0.0079	-2.5 to 2.5	Pass
				50	3.85	13.804	0.0080	-2.5 to 2.5	Pass
	1745	75	0	20	3.27	24.304	0.0139	-2.5 to 2.5	Pass
					3.85	24.648	0.0141	-2.5 to 2.5	Pass
					4.43	25.377	0.0145	-2.5 to 2.5	Pass
				-30	3.85	26.107	0.0150	-2.5 to 2.5	Pass
				-20	3.85	36.392	0.0209	-2.5 to 2.5	Pass
				-10	3.85	4.978	0.0029	-2.5 to 2.5	Pass
				0	3.85	16.923	0.0097	-2.5 to 2.5	Pass
				10	3.85	20.700	0.0119	-2.5 to 2.5	Pass
				30	3.85	28.110	0.0161	-2.5 to 2.5	Pass
				40	3.85	-14.319	-0.0082	-2.5 to 2.5	Pass
				50	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	30.198	0.0170	-2.5 to 2.5	Pass
					3.85	29.082	0.0164	-2.5 to 2.5	Pass
					4.43	27.180	0.0153	-2.5 to 2.5	Pass
				-30	3.85	25.191	0.0142	-2.5 to 2.5	Pass
				-20	3.85	26.293	0.0148	-2.5 to 2.5	Pass
				-10	3.85	37.408	0.0211	-2.5 to 2.5	Pass
				0	3.85	5.264	0.0030	-2.5 to 2.5	Pass
				10	3.85	8.826	0.0050	-2.5 to 2.5	Pass
				30	3.85	15.135	0.0085	-2.5 to 2.5	Pass
				40	3.85	16.108	0.0091	-2.5 to 2.5	Pass
				50	3.85	17.395	0.0098	-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	14.348	0.0083	-2.5 to 2.5	Pass
					3.85	-18.325	-0.0107	-2.5 to 2.5	Pass
					4.43	9.255	0.0054	-2.5 to 2.5	Pass
				-30	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-18.711	-0.0109	-2.5 to 2.5	Pass
				-10	3.85	-31.028	-0.0180	-2.5 to 2.5	Pass
				0	3.85	-34.876	-0.0203	-2.5 to 2.5	Pass
				10	3.85	0.558	0.0003	-2.5 to 2.5	Pass
				30	3.85	-3.633	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-10.986	-0.0064	-2.5 to 2.5	Pass
				50	3.85	-12.546	-0.0073	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-17.381	-0.0100	-2.5 to 2.5	Pass
					3.85	-29.483	-0.0169	-2.5 to 2.5	Pass
					4.43	-42.229	-0.0242	-2.5 to 2.5	Pass
				-30	3.85	1.488	0.0009	-2.5 to 2.5	Pass
				-20	3.85	-8.554	-0.0049	-2.5 to 2.5	Pass
				-10	3.85	-13.518	-0.0077	-2.5 to 2.5	Pass
				0	3.85	-14.391	-0.0082	-2.5 to 2.5	Pass
				10	3.85	-12.388	-0.0071	-2.5 to 2.5	Pass
				30	3.85	-10.800	-0.0062	-2.5 to 2.5	Pass
				40	3.85	-12.360	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-15.821	-0.0091	-2.5 to 2.5	Pass
	1770	100	0	20	3.27	34.461	0.0195	-2.5 to 2.5	Pass
					3.85	11.358	0.0064	-2.5 to 2.5	Pass
					4.43	-9.656	-0.0055	-2.5 to 2.5	Pass
				-30	3.85	-28.009	-0.0158	-2.5 to 2.5	Pass

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BTF Testing Lab (Shenzhen) Co., Ltd.

Plant 101, 201 and 301, Building 1, Block 2, Tantou Industrial Park, Tantou Community, Songgang Street, Bao'an District, Shenzhen, Guangdong, China

Email: info@btf-lab.com

Tel: +86-755-23146130

<http://www.btf-lab.com>

Version: 1/00

16QAM	1720	100	0	-20	3.85	-33.960	-0.0192	-2.5 to 2.5	Pass
				-10	3.85	-30.513	-0.0172	-2.5 to 2.5	Pass
				0	3.85	-5.779	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.136	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-13.032	-0.0074	-2.5 to 2.5	Pass
				40	3.85	-10.858	-0.0061	-2.5 to 2.5	Pass
				50	3.85	-8.240	-0.0047	-2.5 to 2.5	Pass
	1745	100	0	20	3.27	-8.841	-0.0051	-2.5 to 2.5	Pass
					3.85	12.989	0.0076	-2.5 to 2.5	Pass
					4.43	32.916	0.0191	-2.5 to 2.5	Pass
				-30	3.85	10.471	0.0061	-2.5 to 2.5	Pass
				-20	3.85	22.745	0.0132	-2.5 to 2.5	Pass
				-10	3.85	34.089	0.0198	-2.5 to 2.5	Pass
				0	3.85	-3.419	-0.0020	-2.5 to 2.5	Pass
				10	3.85	16.279	0.0095	-2.5 to 2.5	Pass
				30	3.85	28.682	0.0167	-2.5 to 2.5	Pass
				40	3.85	36.650	0.0213	-2.5 to 2.5	Pass
				50	3.85	-0.458	-0.0003	-2.5 to 2.5	Pass
				20	3.27	-13.375	-0.0077	-2.5 to 2.5	Pass
					3.85	8.926	0.0051	-2.5 to 2.5	Pass
					4.43	20.456	0.0117	-2.5 to 2.5	Pass
	1770	100	0	-30	3.85	-15.478	-0.0089	-2.5 to 2.5	Pass
				-20	3.85	-13.504	-0.0077	-2.5 to 2.5	Pass
				-10	3.85	-8.426	-0.0048	-2.5 to 2.5	Pass
				0	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				10	3.85	-1.402	-0.0008	-2.5 to 2.5	Pass
				30	3.85	5.851	0.0034	-2.5 to 2.5	Pass
				40	3.85	8.569	0.0049	-2.5 to 2.5	Pass
				50	3.85	11.172	0.0064	-2.5 to 2.5	Pass
				20	3.27	-3.276	-0.0019	-2.5 to 2.5	Pass
					3.85	24.476	0.0138	-2.5 to 2.5	Pass
					4.43	13.676	0.0077	-2.5 to 2.5	Pass
				-30	3.85	28.367	0.0160	-2.5 to 2.5	Pass
				-20	3.85	7.639	0.0043	-2.5 to 2.5	Pass
				-10	3.85	21.701	0.0123	-2.5 to 2.5	Pass
				0	3.85	37.236	0.0210	-2.5 to 2.5	Pass
				10	3.85	-3.934	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass
				40	3.85	14.262	0.0081	-2.5 to 2.5	Pass
				50	3.85	15.550	0.0088	-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

3.1.3 B66_5MHz

Band: 66 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		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		Verdict
		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

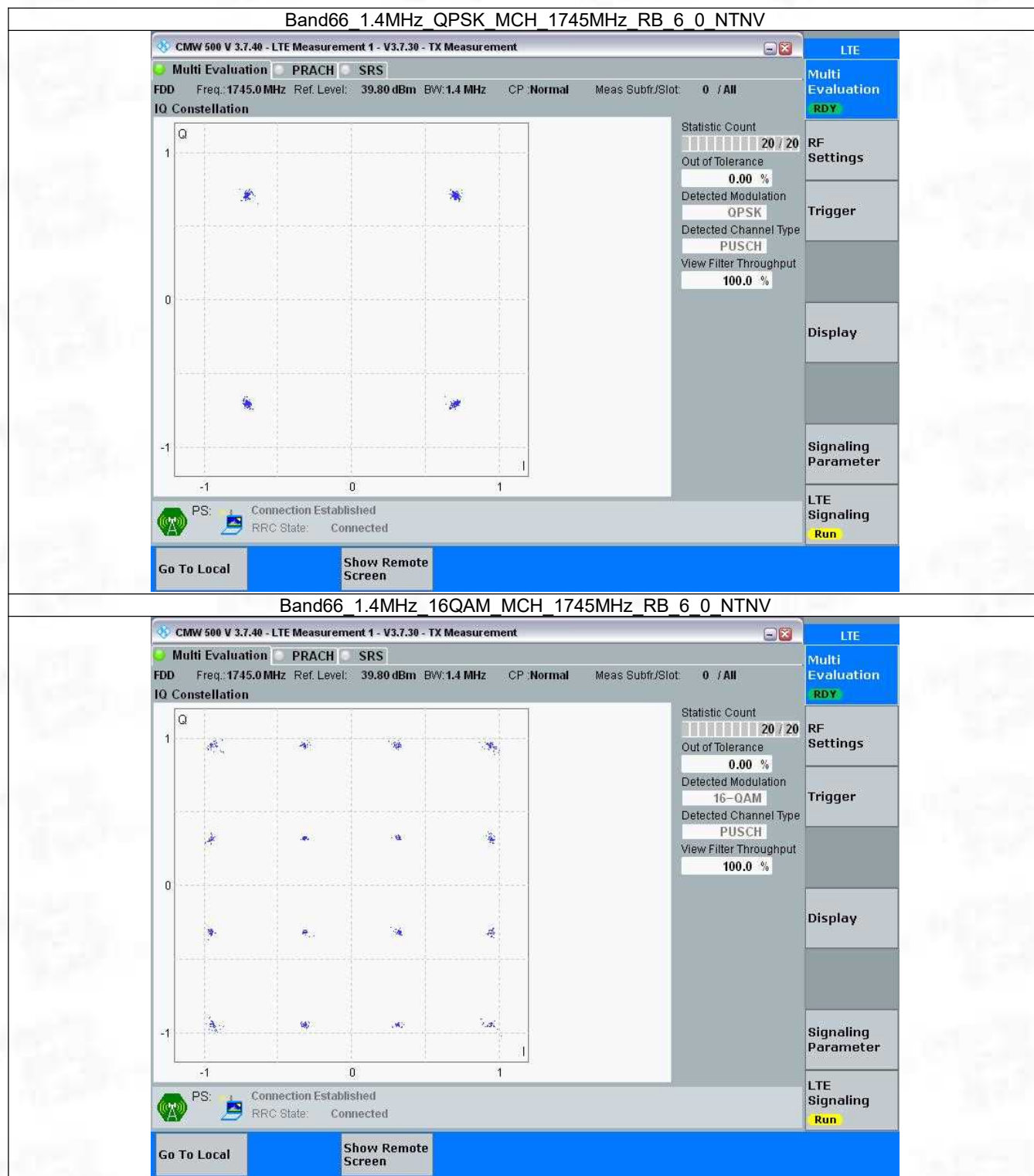
Band: 66 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	75	0	Refer To Test Graph		Pass
16QAM	1745	75	0	Refer To Test Graph		Pass

3.1.6 B66_20MHz

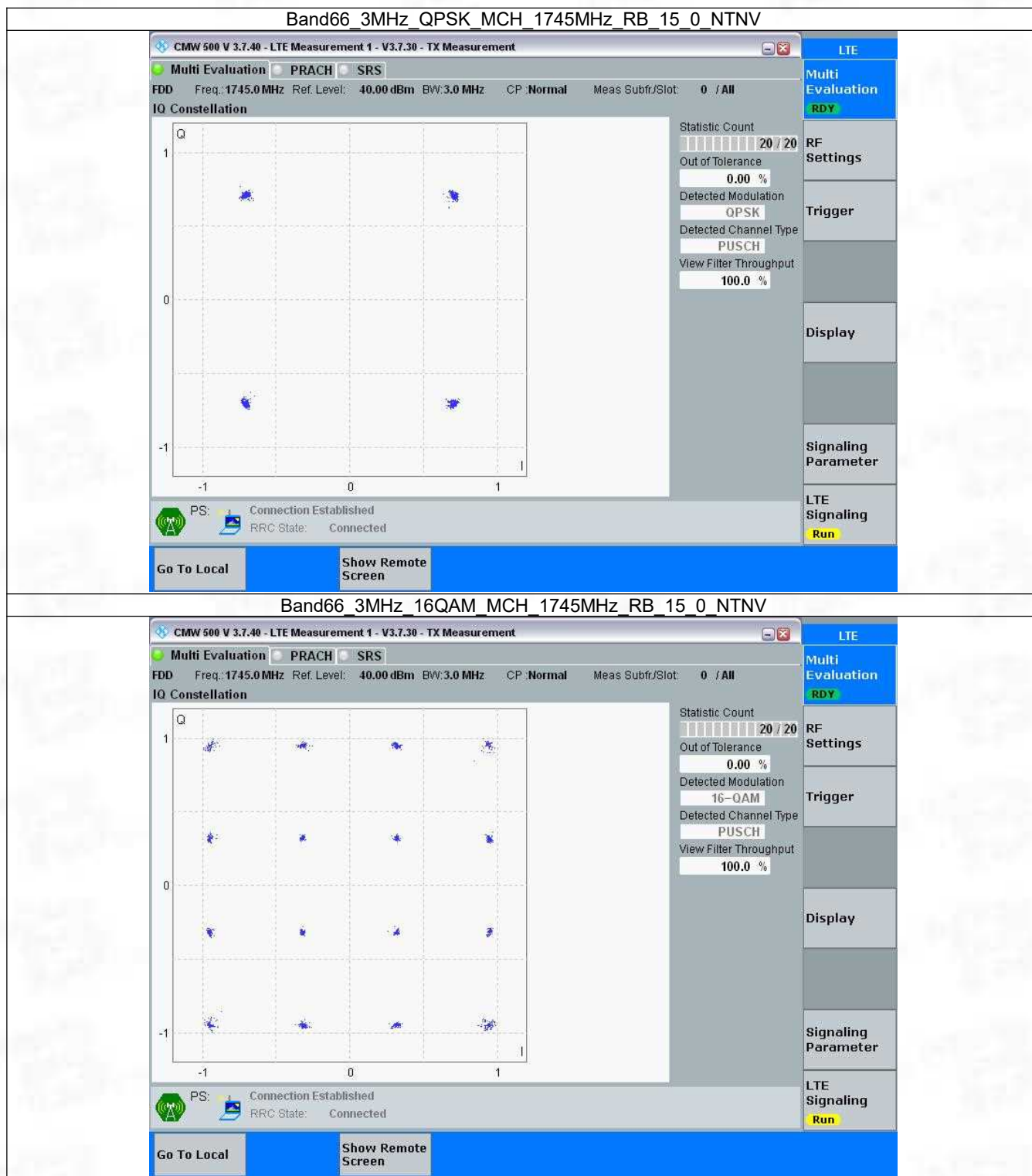
Band: 66 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1745	100	0	Refer To Test Graph		Pass
16QAM	1745	100	0	Refer To Test Graph		Pass

3.2 Test Graph

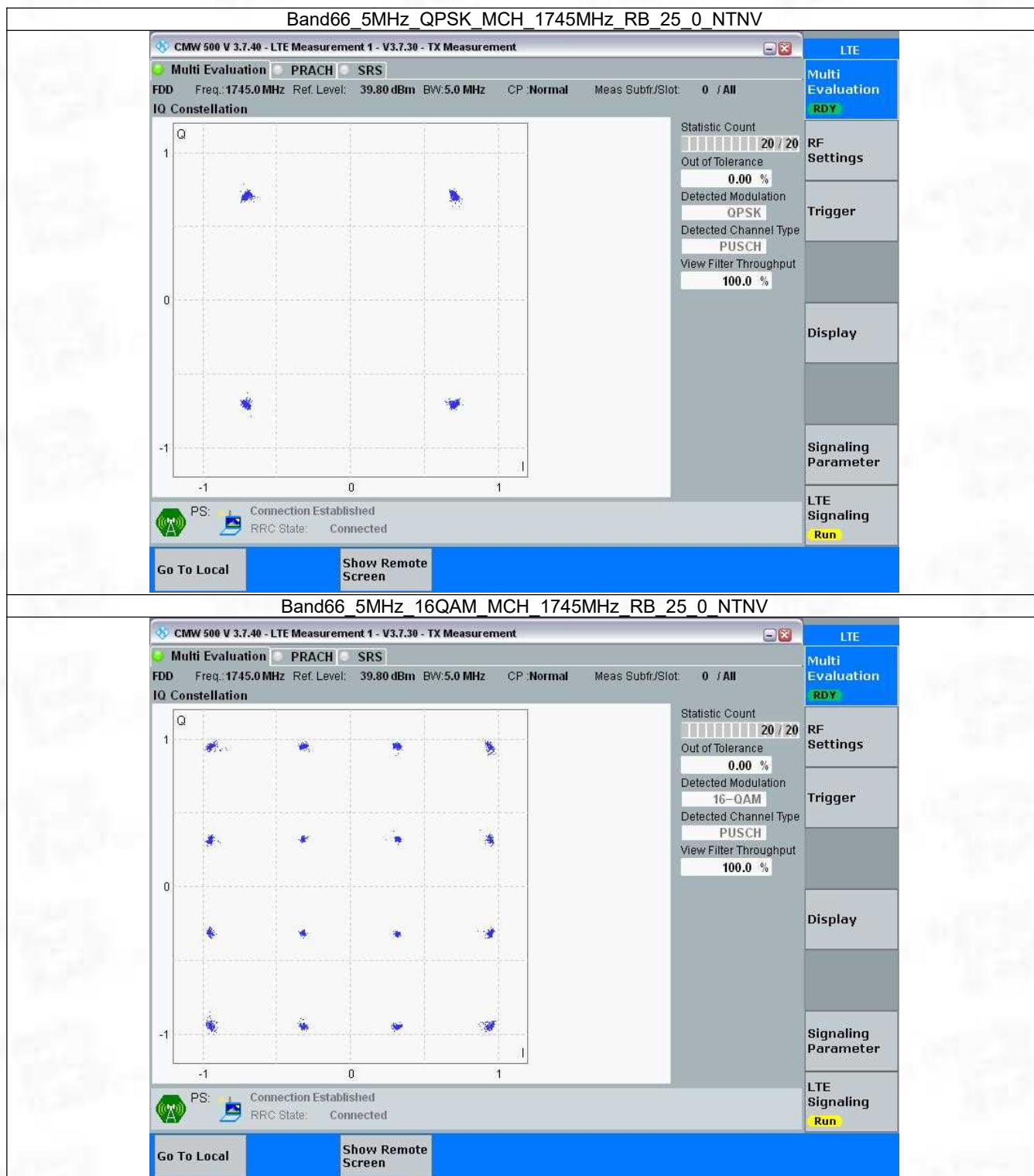
3.2.1 B66_1.4MHz



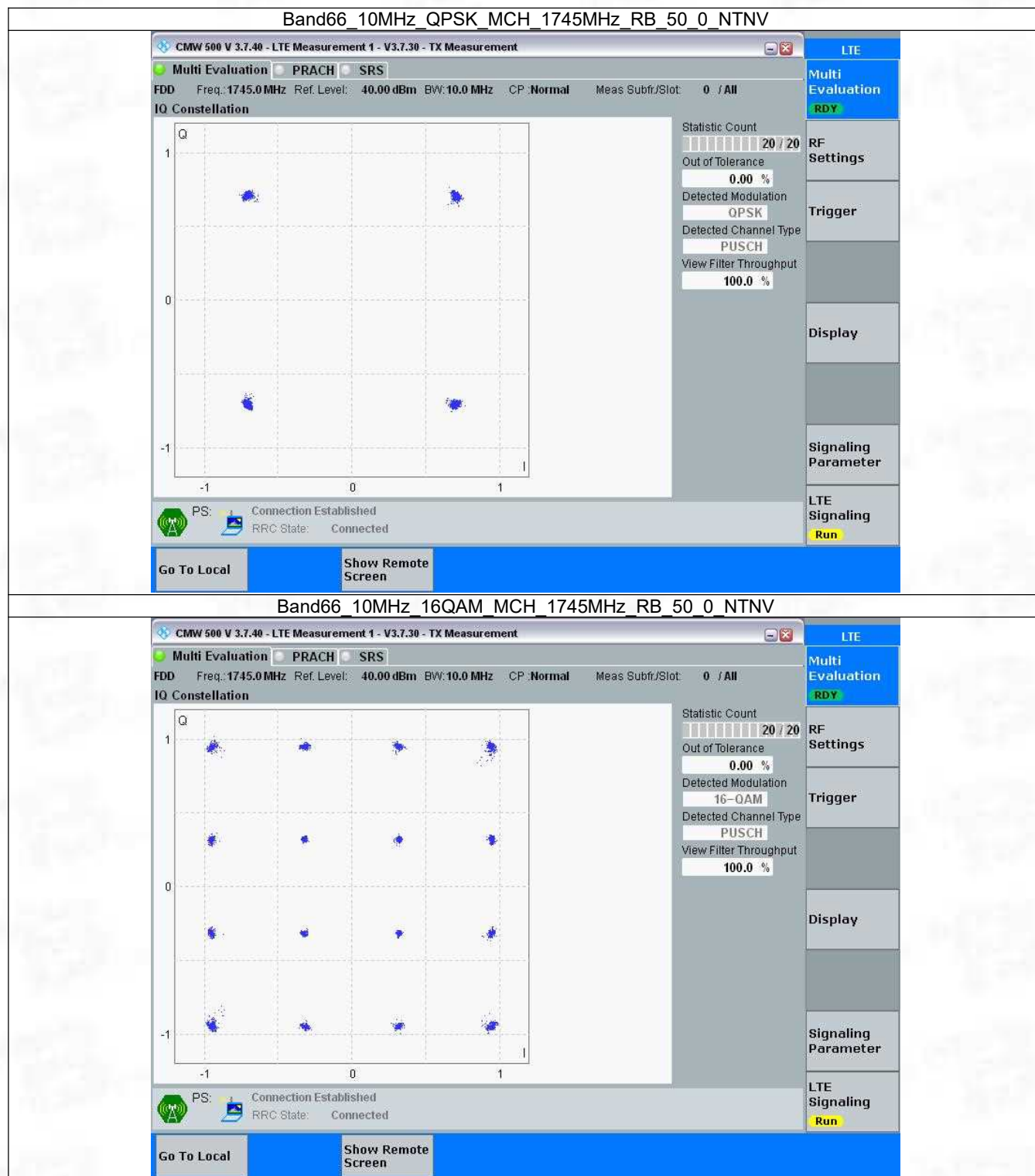
3.2.2 B66_3MHz



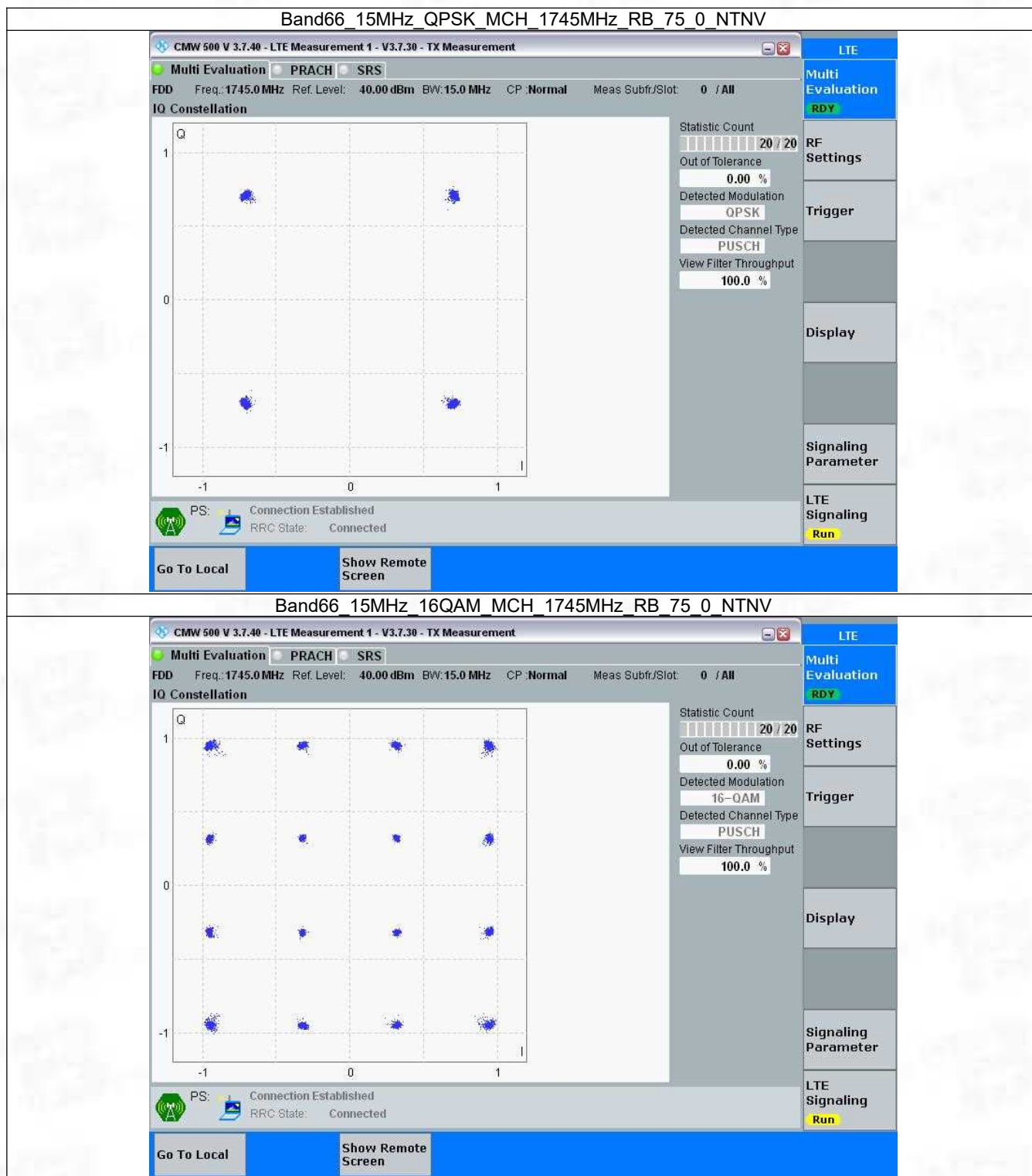
3.2.3 B66_5MHz



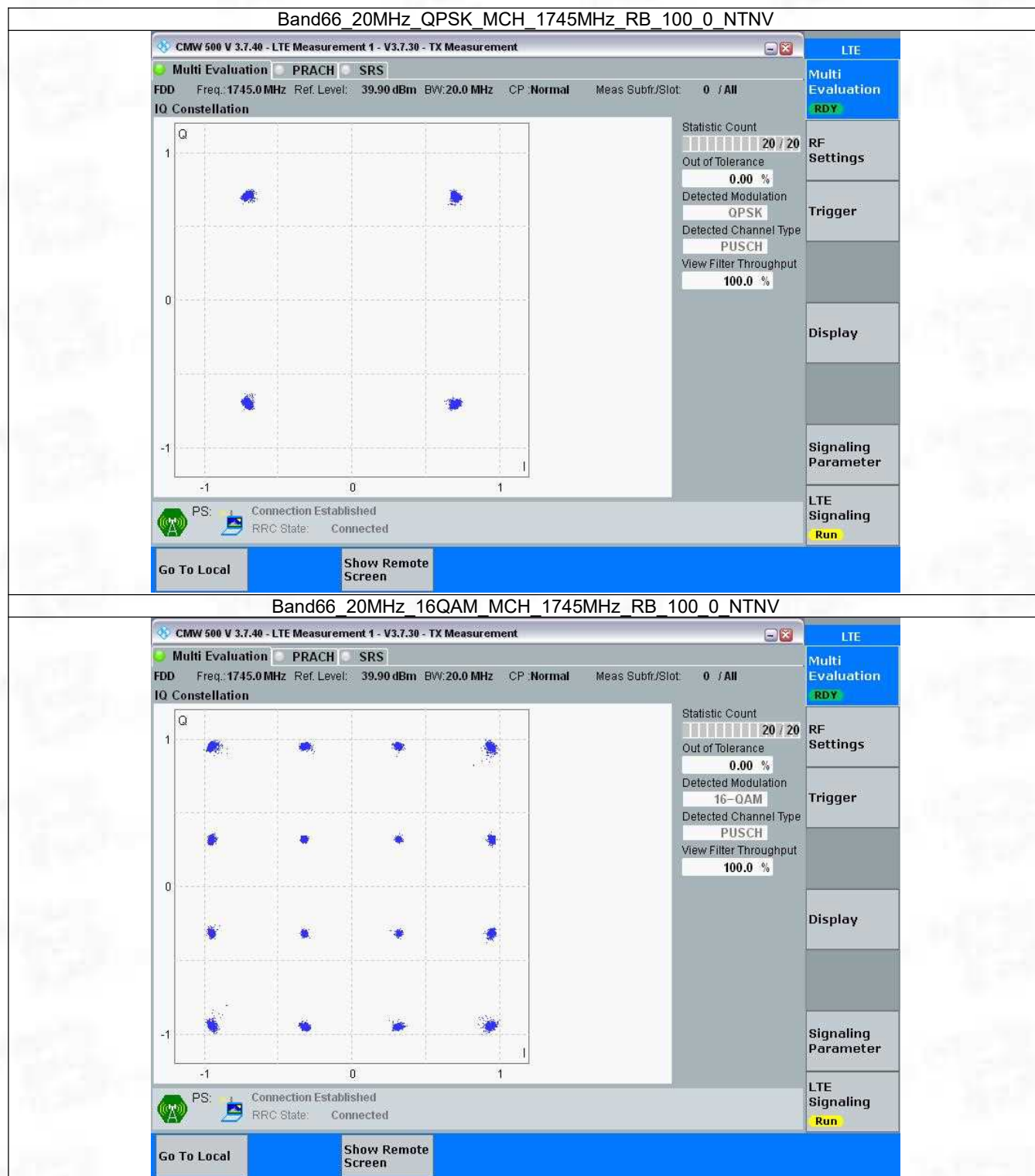
3.2.4 B66_10MHz



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 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.113	/	Pass
		1745	6	0	1.110	/	Pass
		1779.3	6	0	1.112	/	Pass
	16QAM	1710.7	6	0	1.112	/	Pass
		1745	6	0	1.103	/	Pass
		1779.3	6	0	1.116	/	Pass
3	QPSK	1711.5	15	0	2.756	/	Pass
		1745	15	0	2.751	/	Pass
		1778.5	15	0	2.757	/	Pass
	16QAM	1711.5	15	0	2.750	/	Pass
		1745	15	0	2.751	/	Pass
		1778.5	15	0	2.765	/	Pass
5	QPSK	1712.5	25	0	4.578	/	Pass
		1745	25	0	4.552	/	Pass
		1777.5	25	0	4.557	/	Pass
	16QAM	1712.5	25	0	4.554	/	Pass
		1745	25	0	4.549	/	Pass
		1777.5	25	0	4.564	/	Pass
10	QPSK	1715	50	0	9.084	/	Pass
		1745	50	0	9.057	/	Pass
		1775	50	0	9.070	/	Pass
	16QAM	1715	50	0	9.100	/	Pass
		1745	50	0	9.046	/	Pass
		1775	50	0	9.047	/	Pass
15	QPSK	1717.5	75	0	13.591	/	Pass
		1745	75	0	13.586	/	Pass
		1772.5	75	0	13.564	/	Pass
	16QAM	1717.5	75	0	13.557	/	Pass
		1745	75	0	13.655	/	Pass
		1772.5	75	0	13.616	/	Pass
20	QPSK	1720	100	0	18.100	/	Pass
		1745	100	0	18.113	/	Pass
		1770	100	0	18.125	/	Pass
	16QAM	1720	100	0	18.174	/	Pass
		1745	100	0	18.171	/	Pass
		1770	100	0	18.094	/	Pass

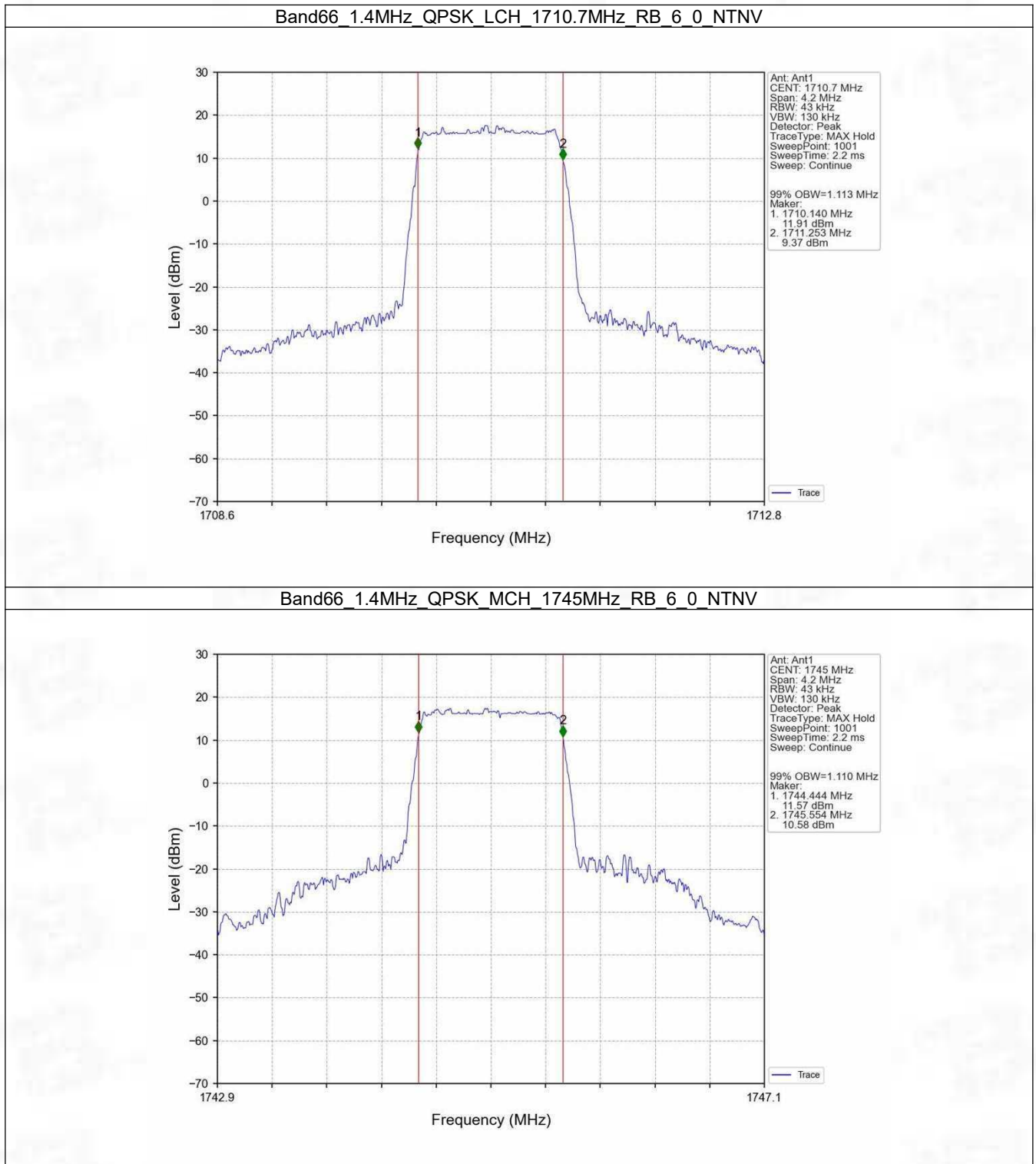
4.1.2 Band66_XDB

Band: 66 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1710.7	6	0	1.273	/	Pass
		1745	6	0	1.274	/	Pass
		1779.3	6	0	1.274	/	Pass

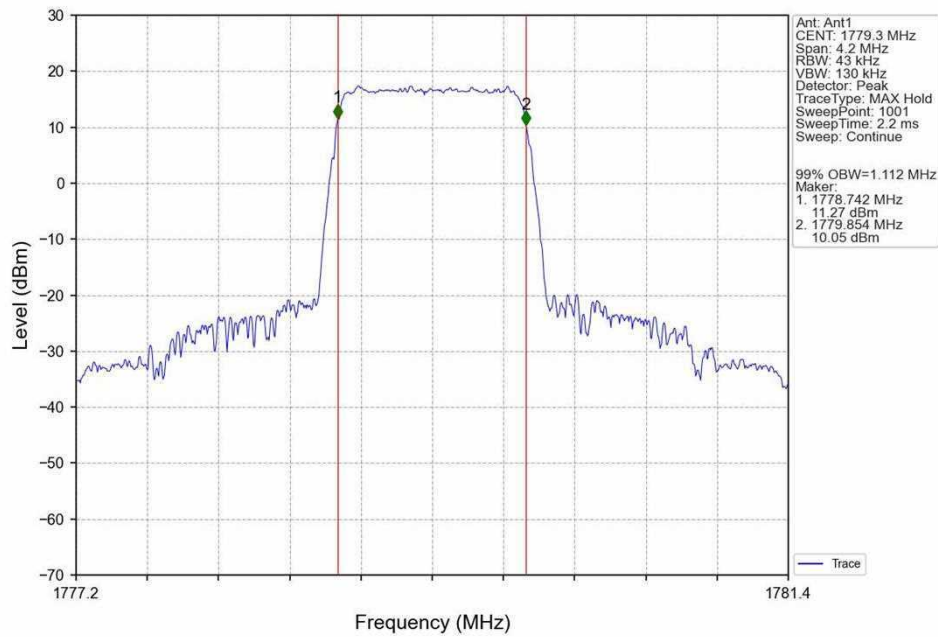
	16QAM	1710.7	6	0	1.268	/	Pass
		1745	6	0	1.274	/	Pass
		1779.3	6	0	1.270	/	Pass
3	QPSK	1711.5	15	0	3.084	/	Pass
		1745	15	0	3.075	/	Pass
		1778.5	15	0	3.104	/	Pass
	16QAM	1711.5	15	0	3.096	/	Pass
		1745	15	0	3.091	/	Pass
		1778.5	15	0	3.095	/	Pass
5	QPSK	1712.5	25	0	5.049	/	Pass
		1745	25	0	5.072	/	Pass
		1777.5	25	0	5.068	/	Pass
	16QAM	1712.5	25	0	5.023	/	Pass
		1745	25	0	5.071	/	Pass
		1777.5	25	0	5.046	/	Pass
10	QPSK	1715	50	0	10.016	/	Pass
		1745	50	0	10.032	/	Pass
		1775	50	0	10.047	/	Pass
	16QAM	1715	50	0	10.039	/	Pass
		1745	50	0	10.000	/	Pass
		1775	50	0	10.052	/	Pass
15	QPSK	1717.5	75	0	15.272	/	Pass
		1745	75	0	15.183	/	Pass
		1772.5	75	0	15.120	/	Pass
	16QAM	1717.5	75	0	15.089	/	Pass
		1745	75	0	15.218	/	Pass
		1772.5	75	0	15.144	/	Pass
20	QPSK	1720	100	0	19.984	/	Pass
		1745	100	0	19.918	/	Pass
		1770	100	0	20.166	/	Pass
	16QAM	1720	100	0	19.987	/	Pass
		1745	100	0	20.017	/	Pass
		1770	100	0	19.967	/	Pass

4.2 Test Graph

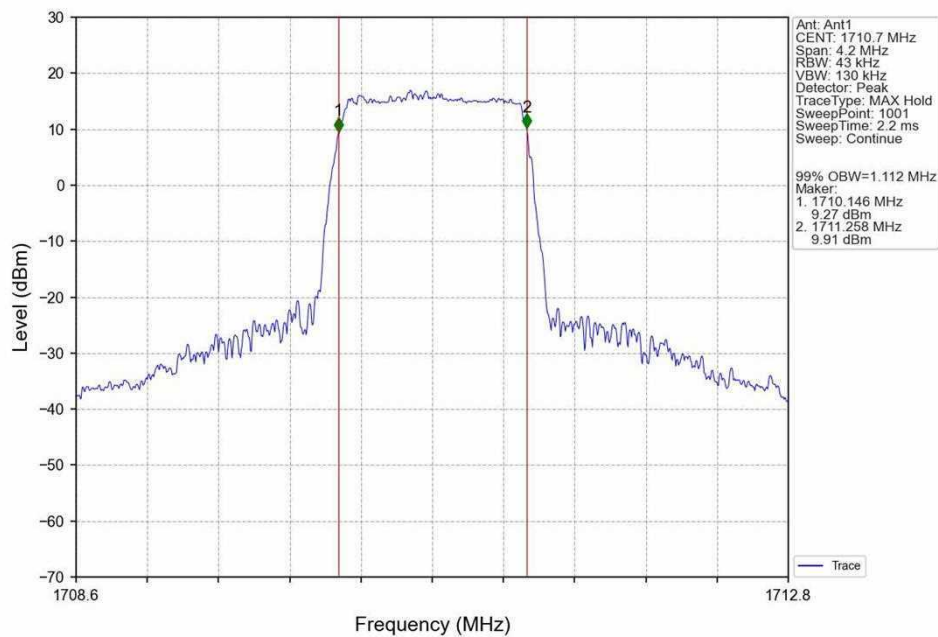
4.2.1 Band66_OBW



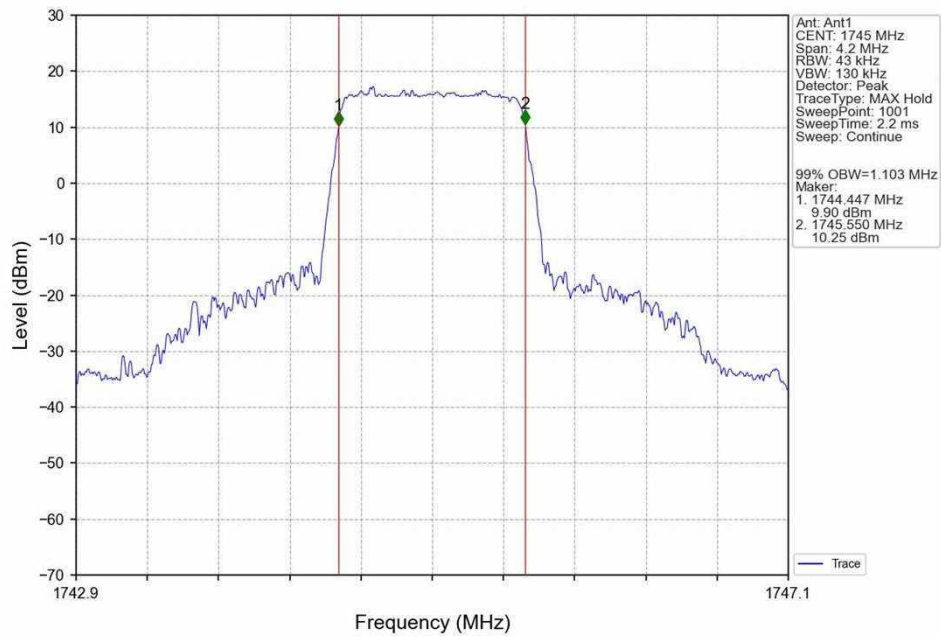
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



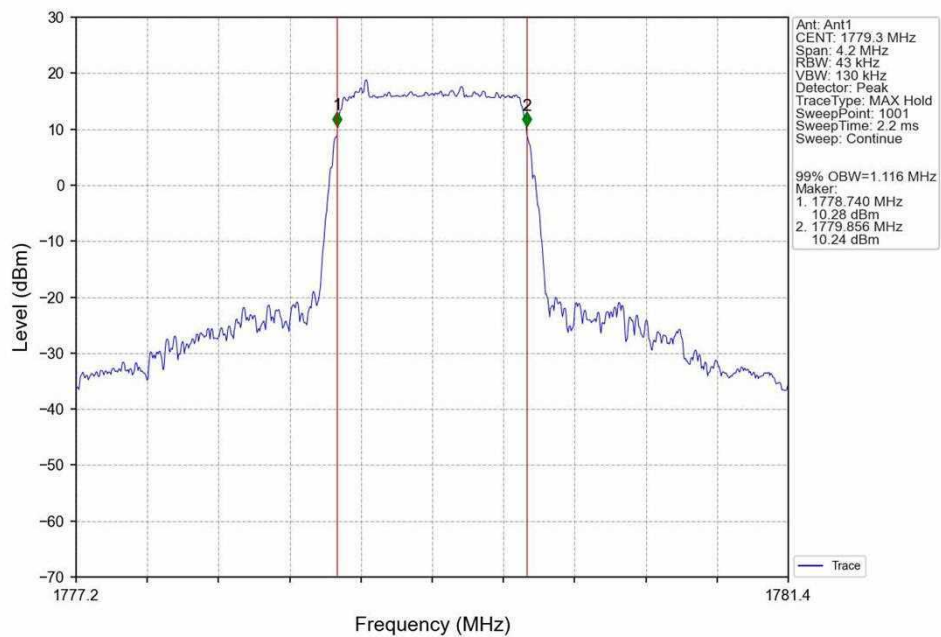
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



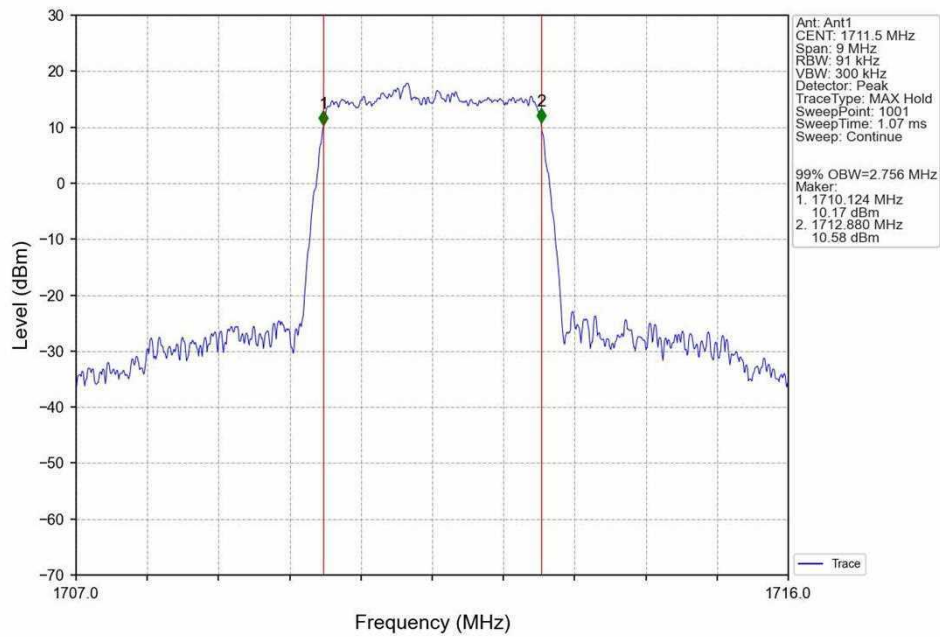
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



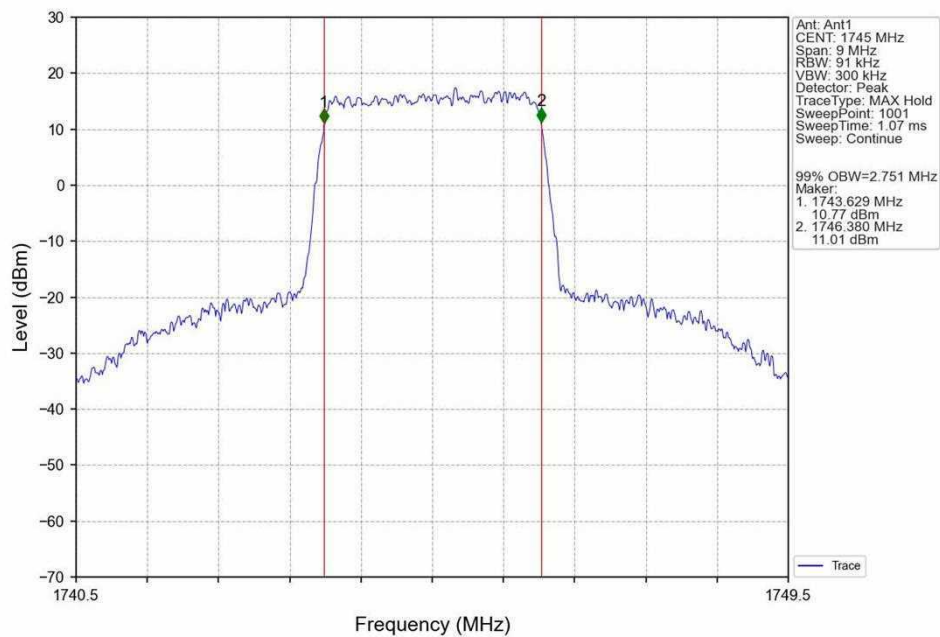
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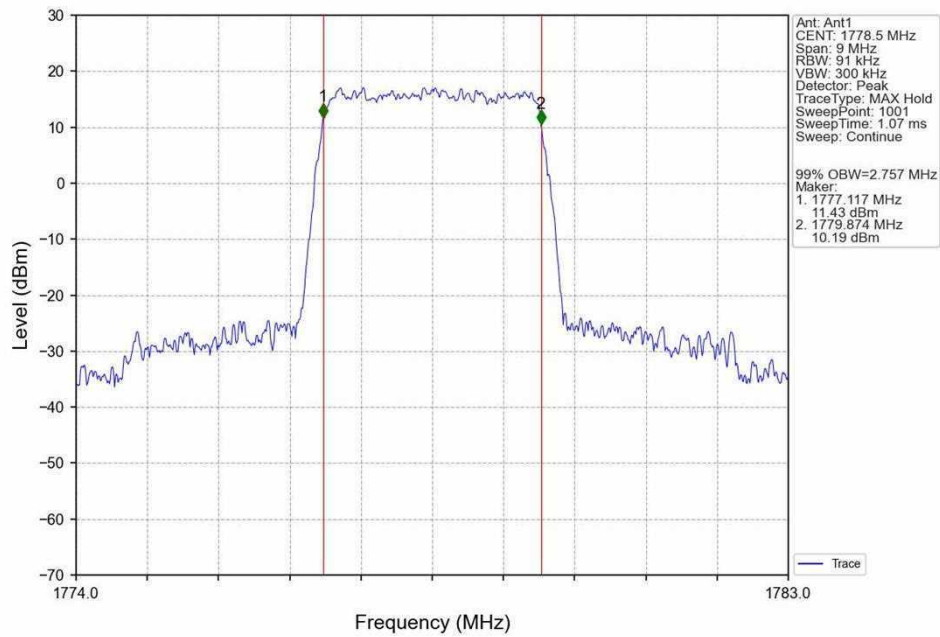
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



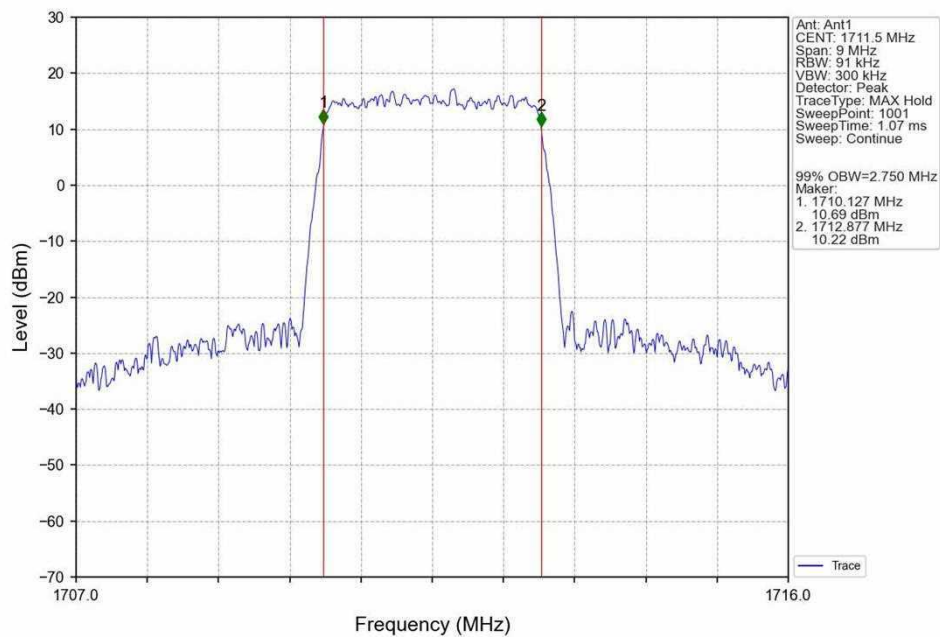
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



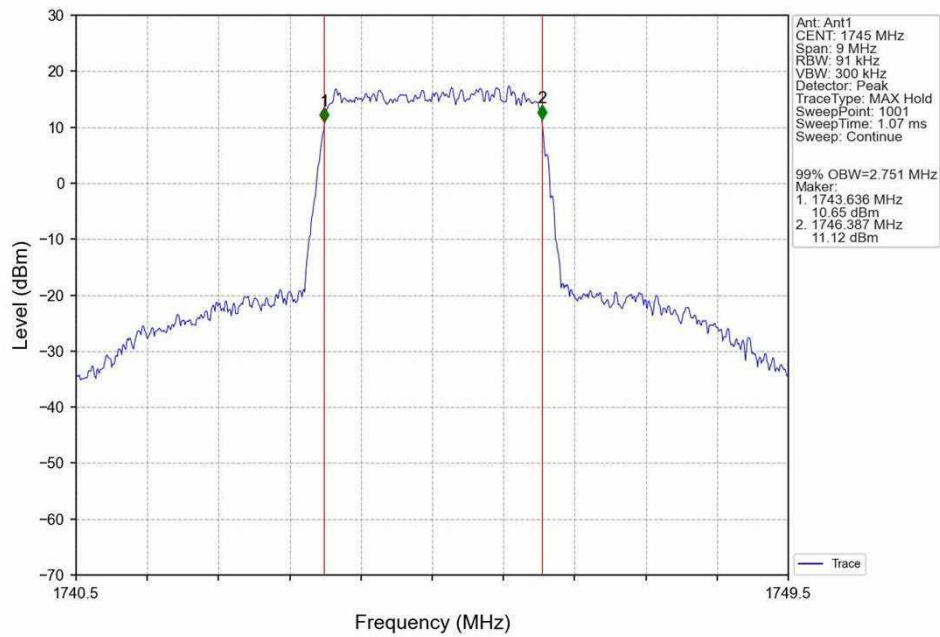
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



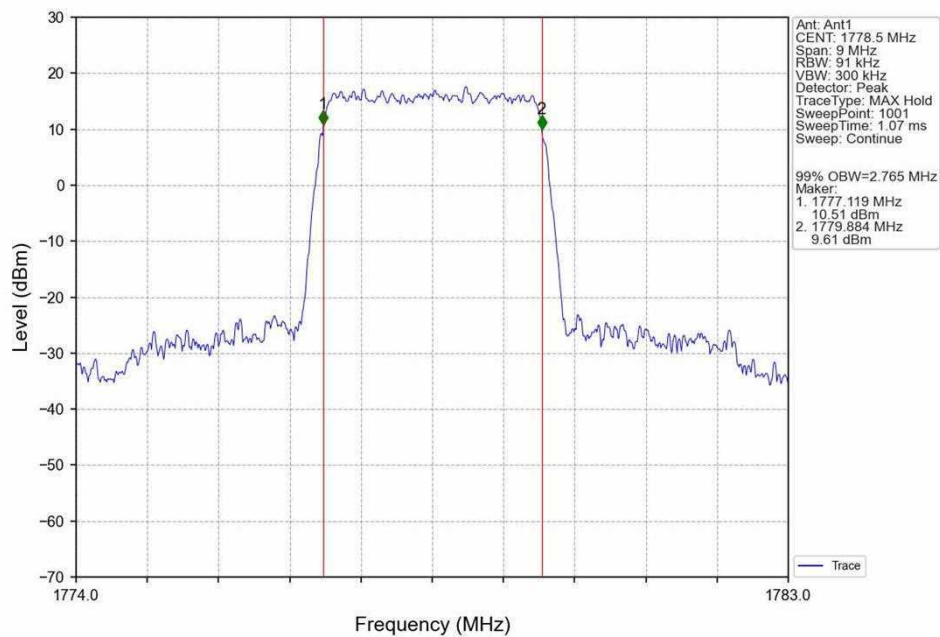
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



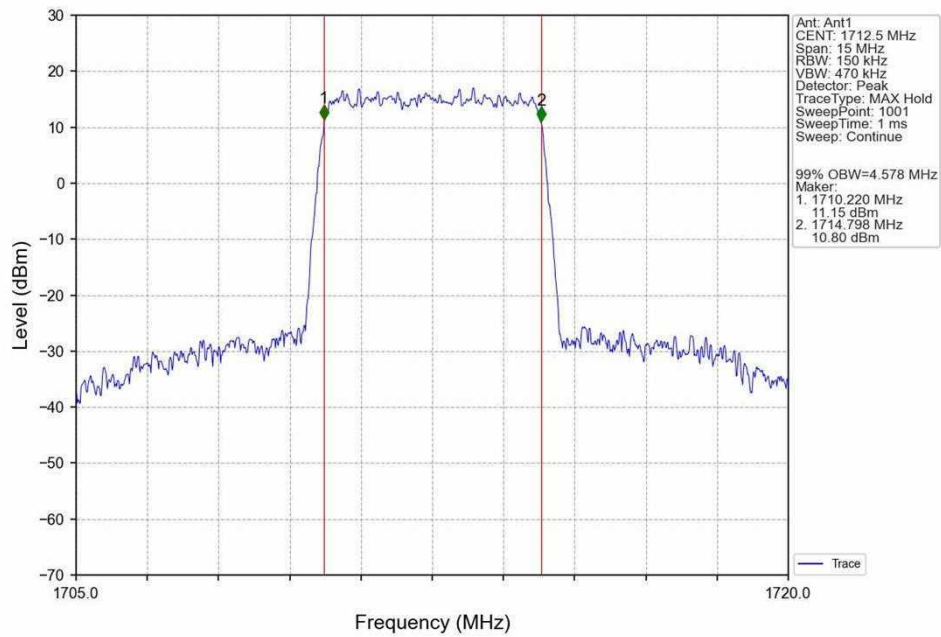
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



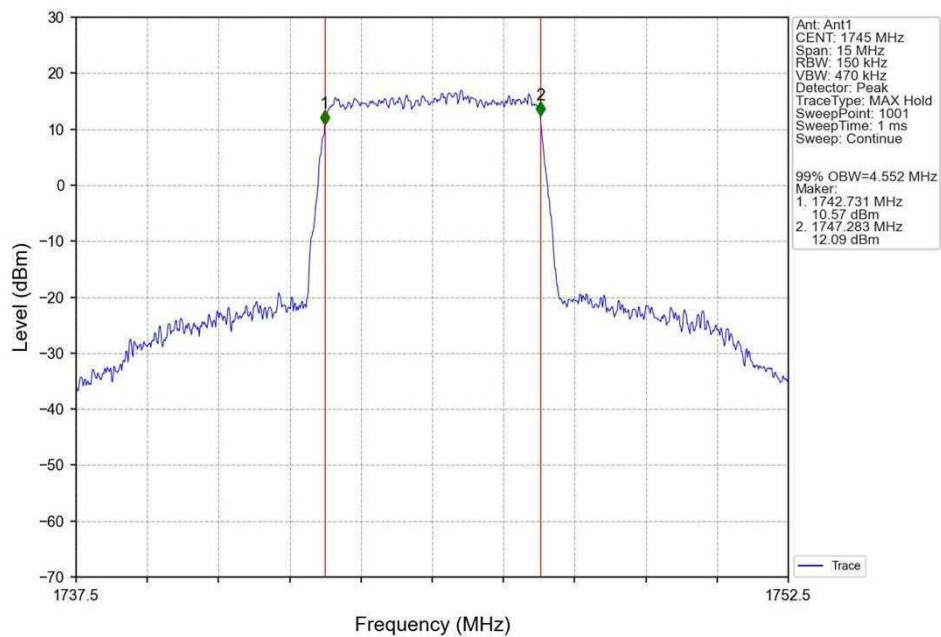
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



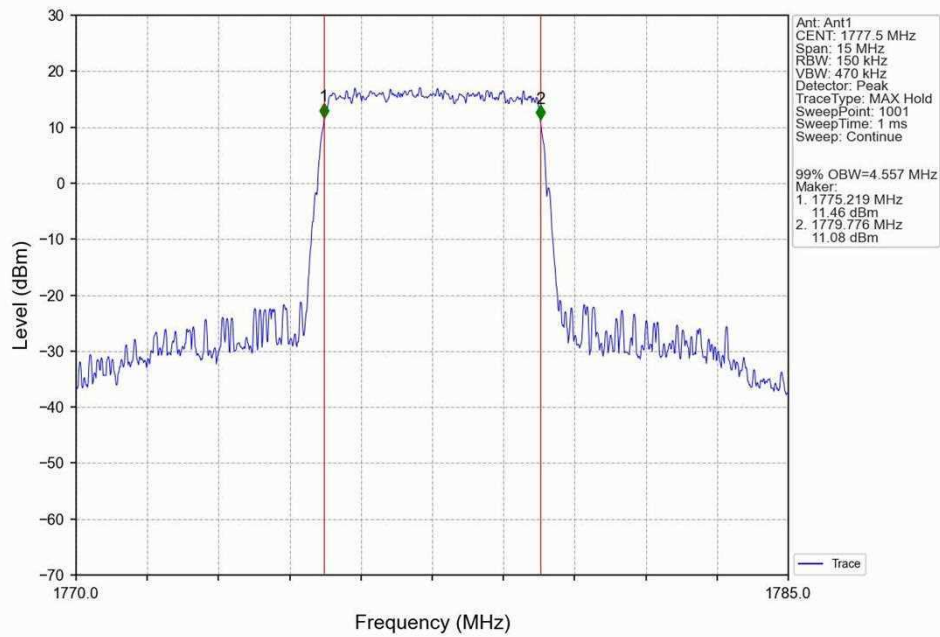
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



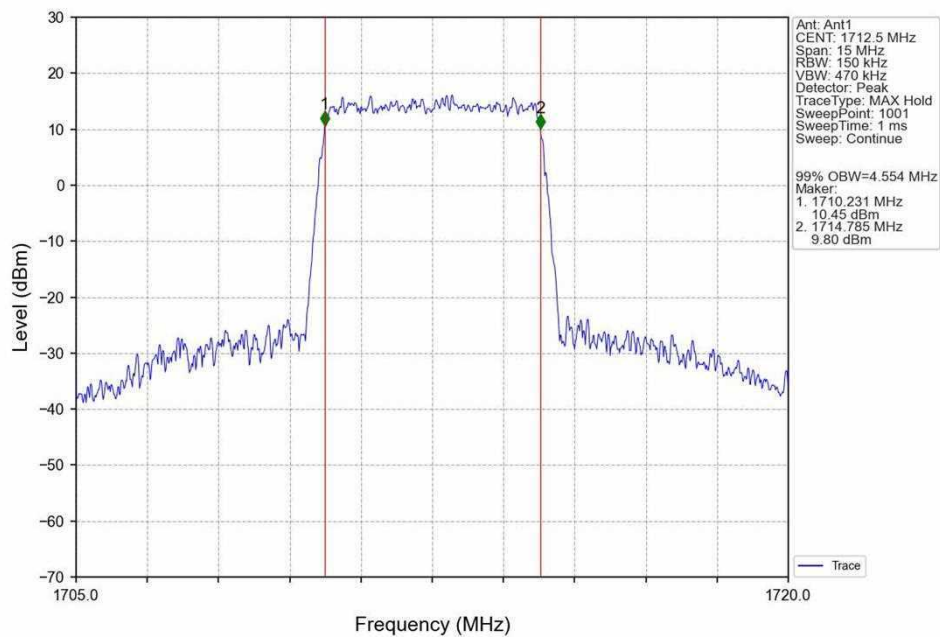
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



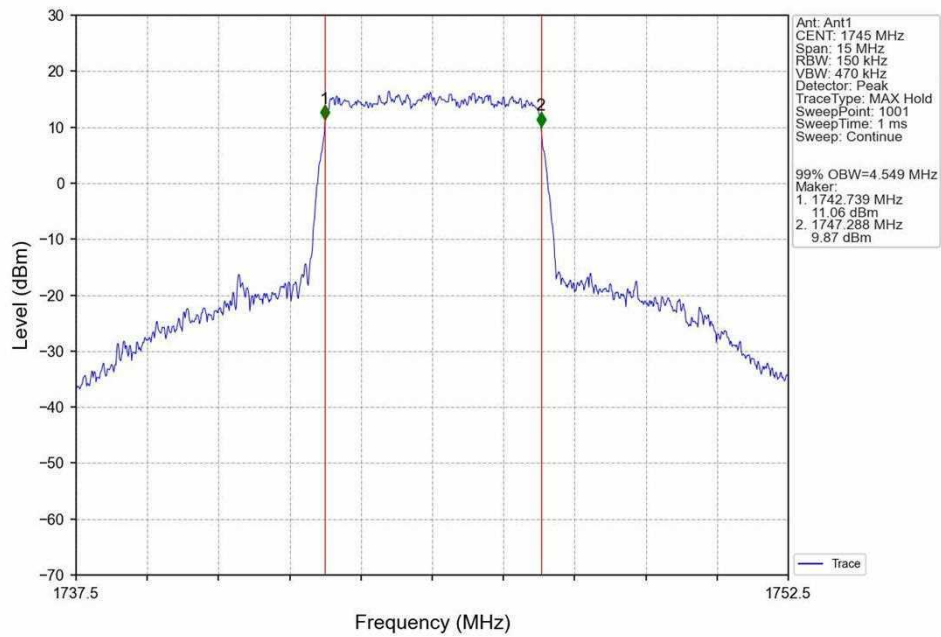
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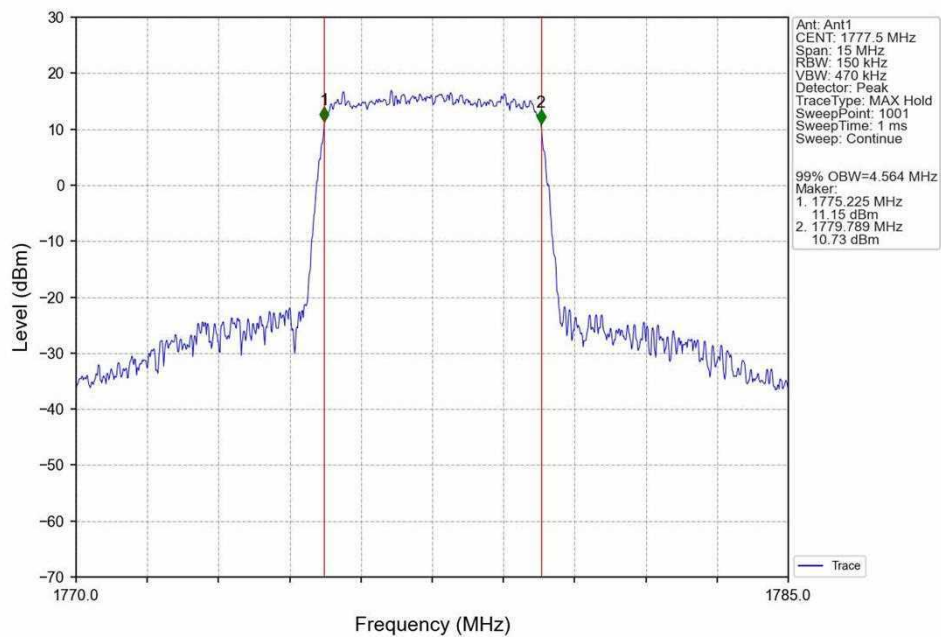
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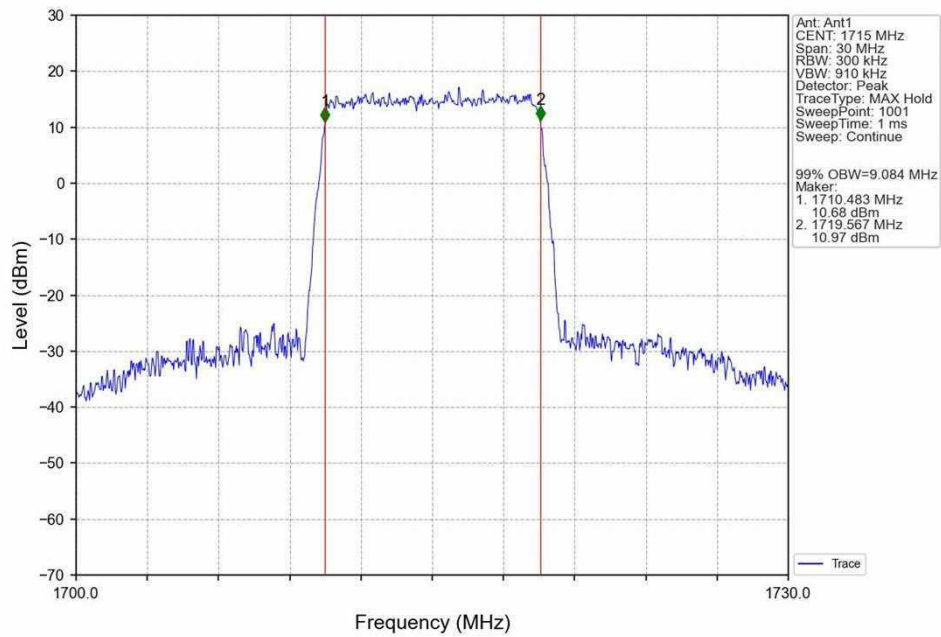
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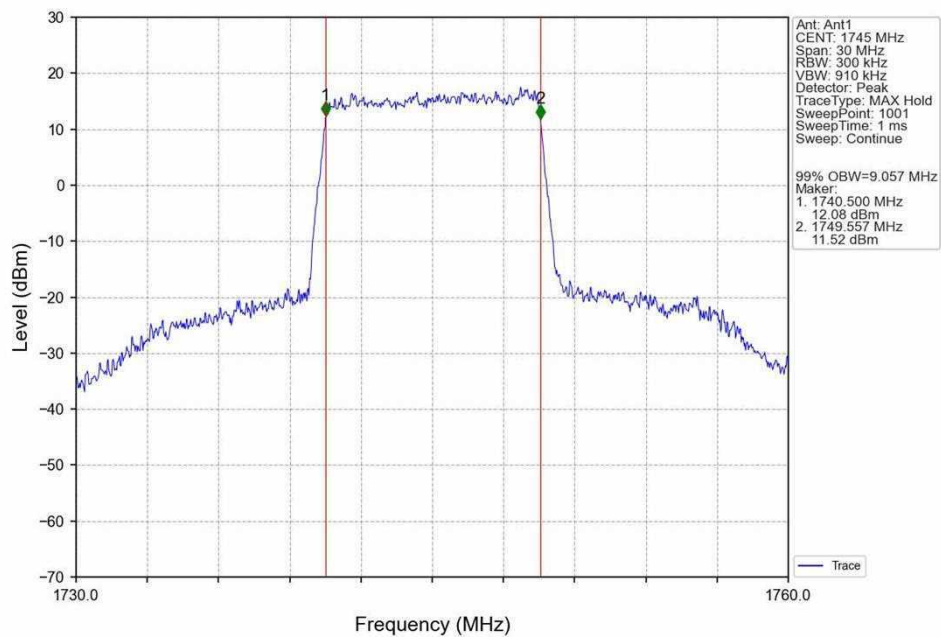
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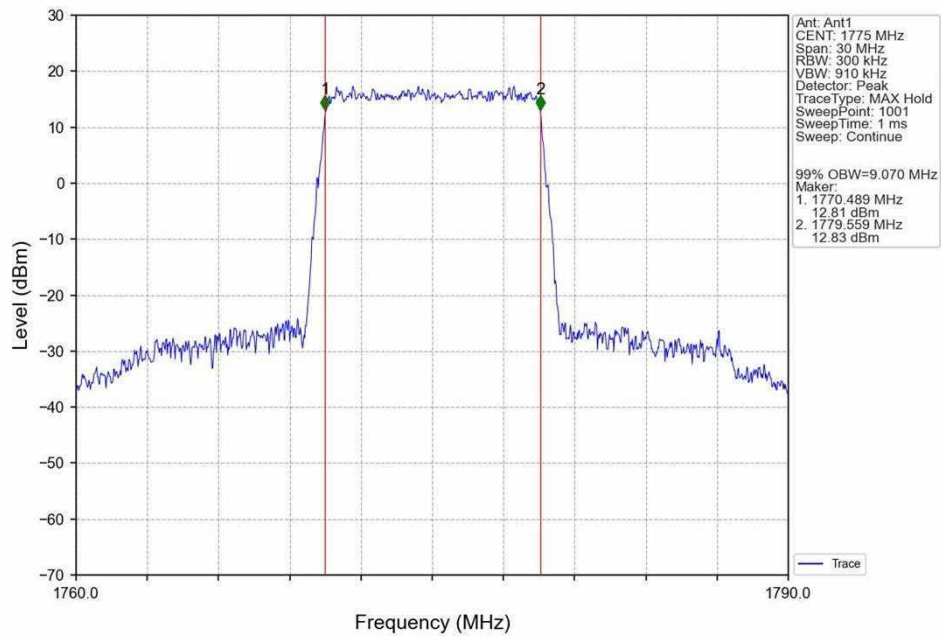
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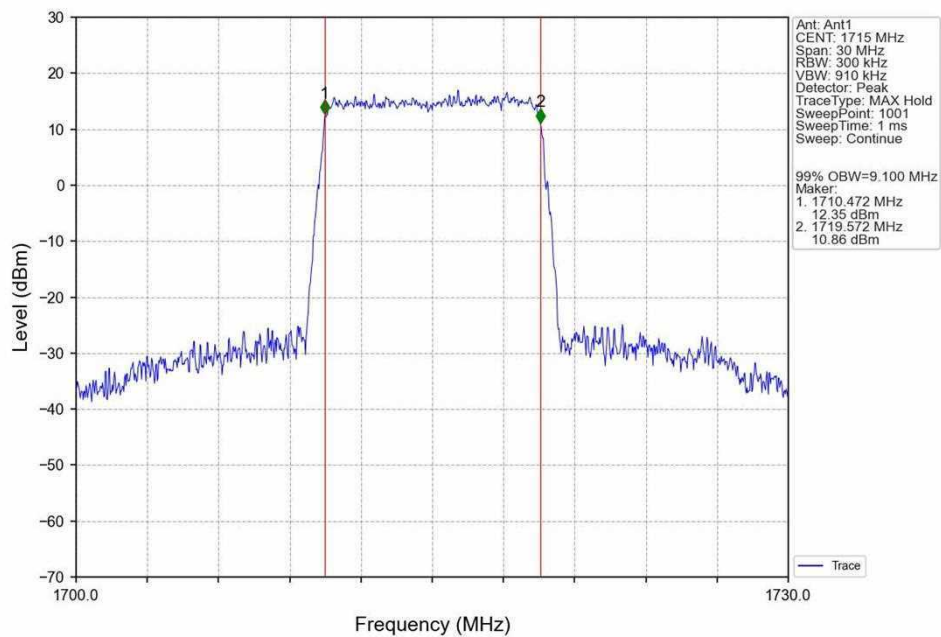
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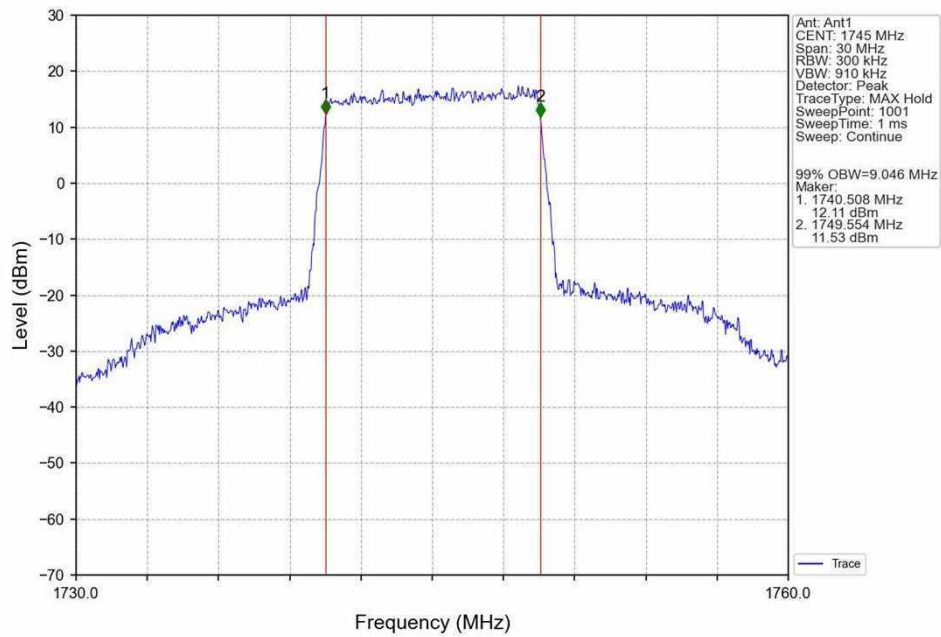
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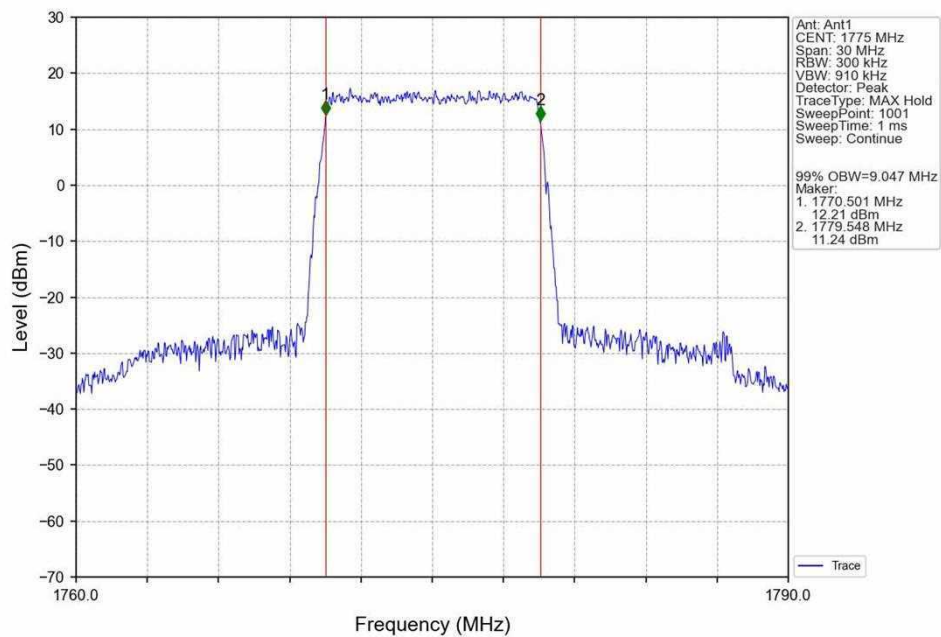
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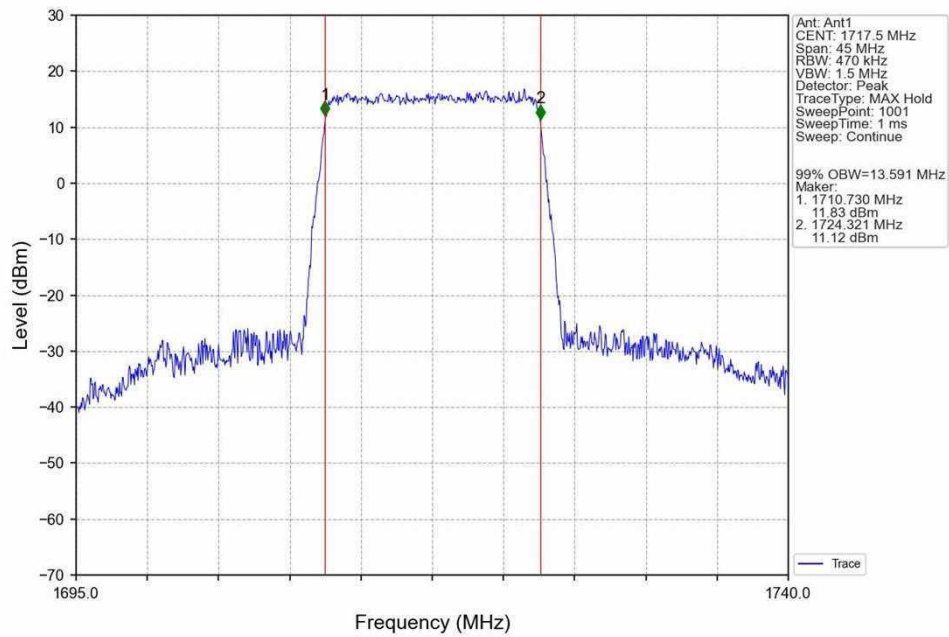
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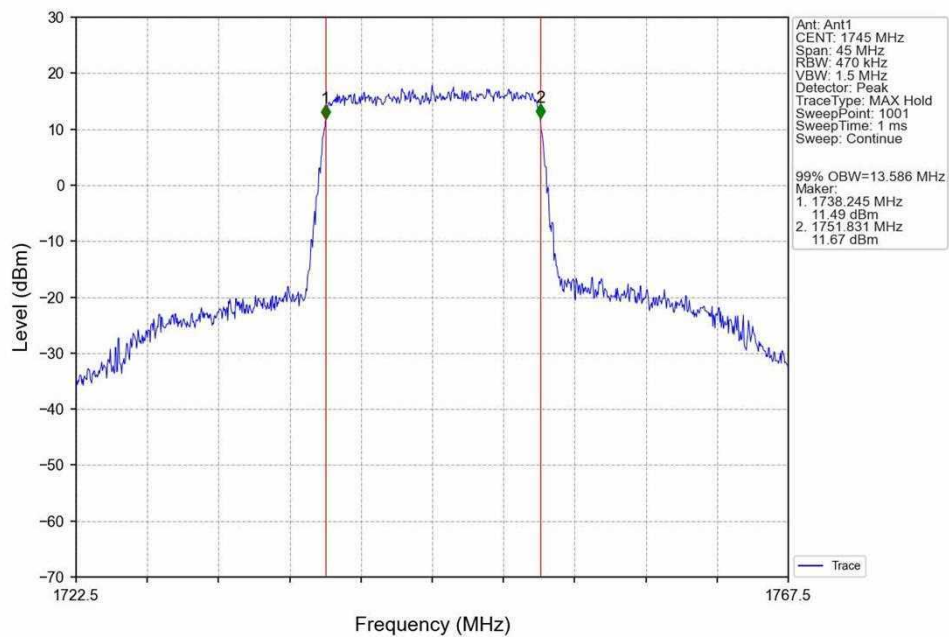
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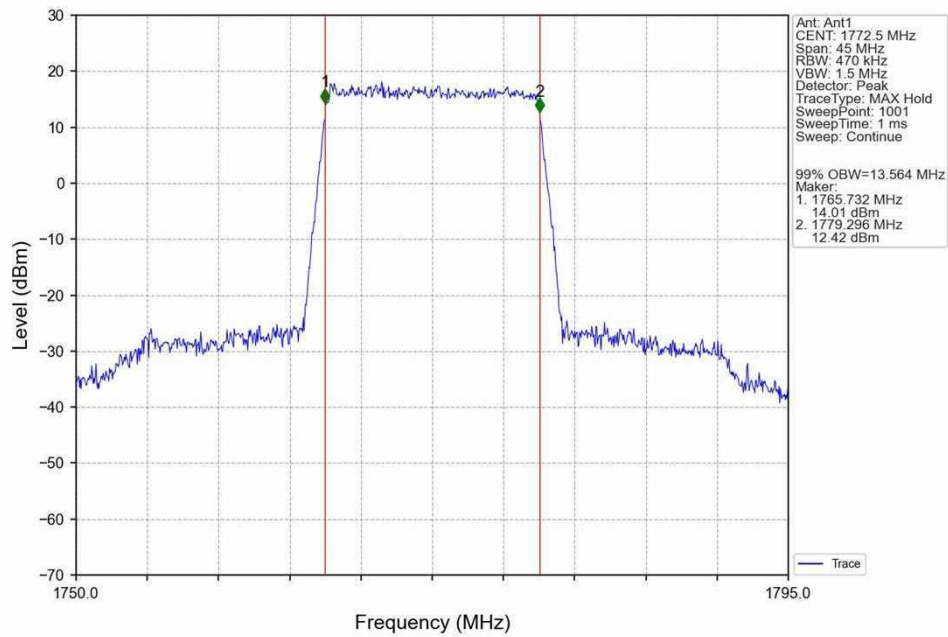
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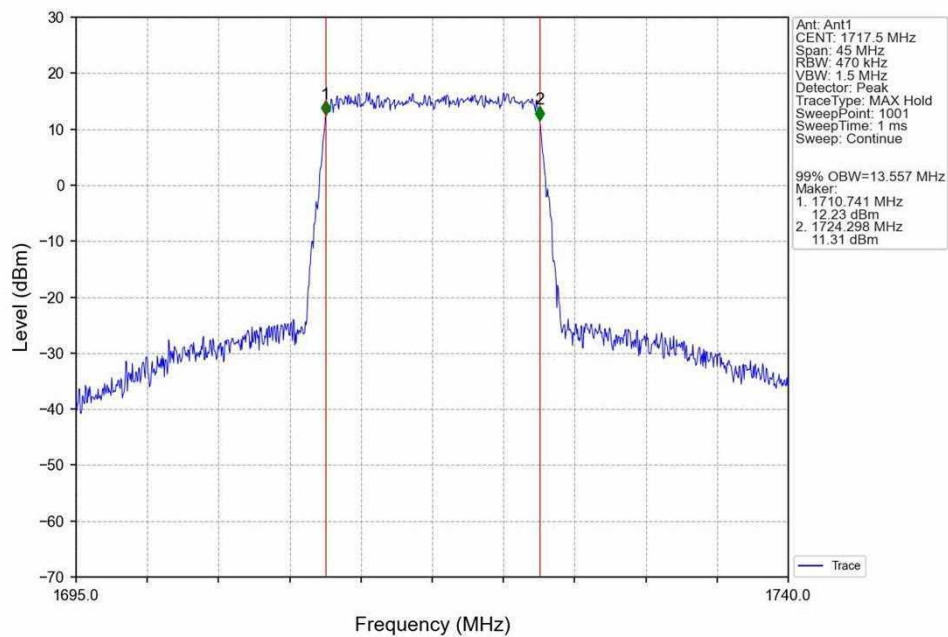
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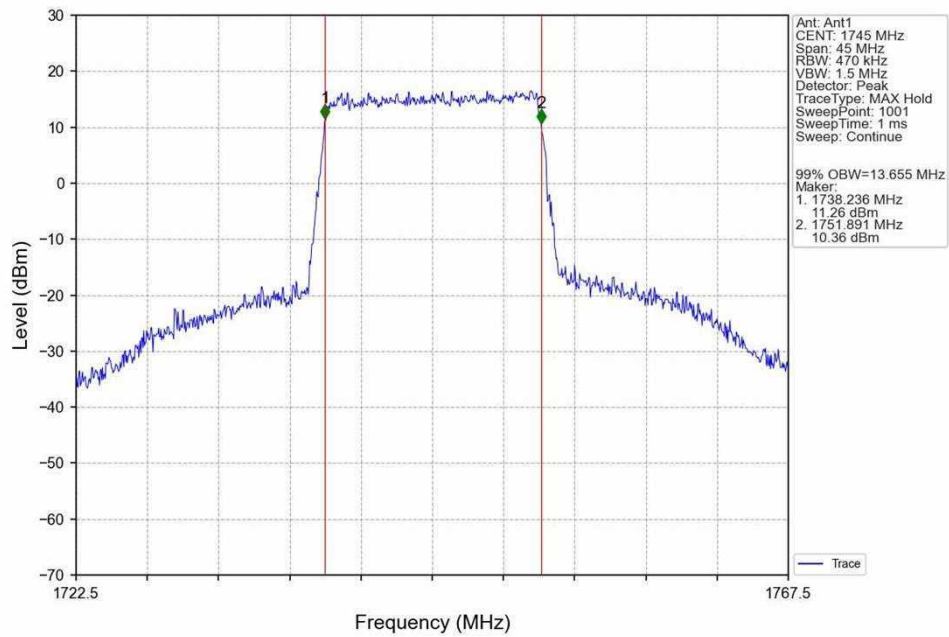
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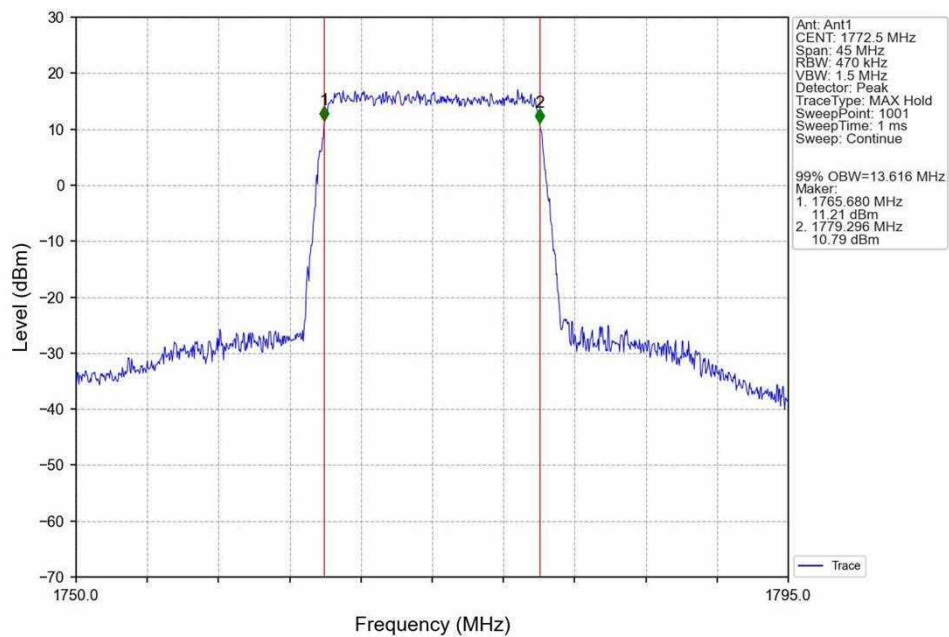
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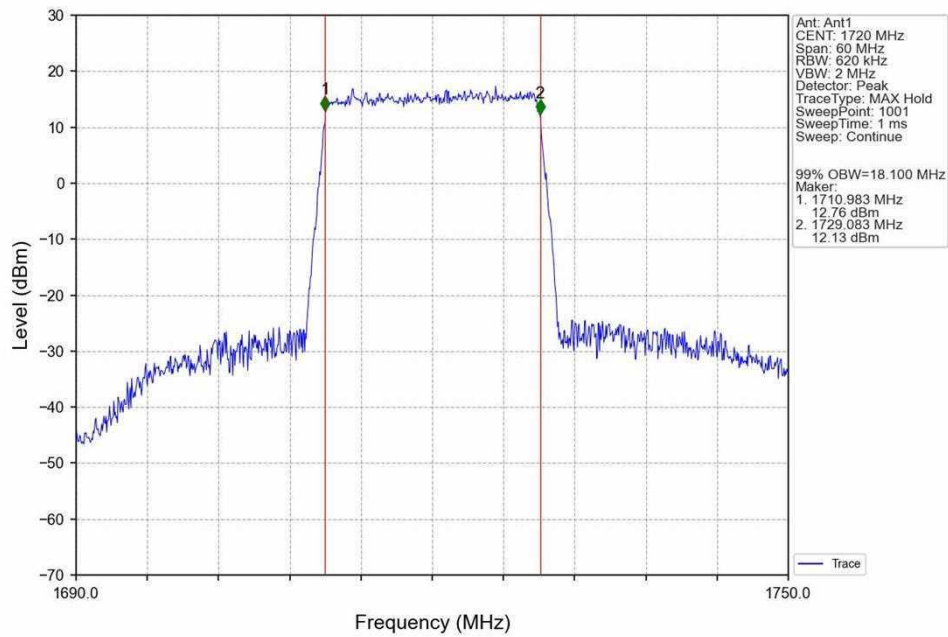
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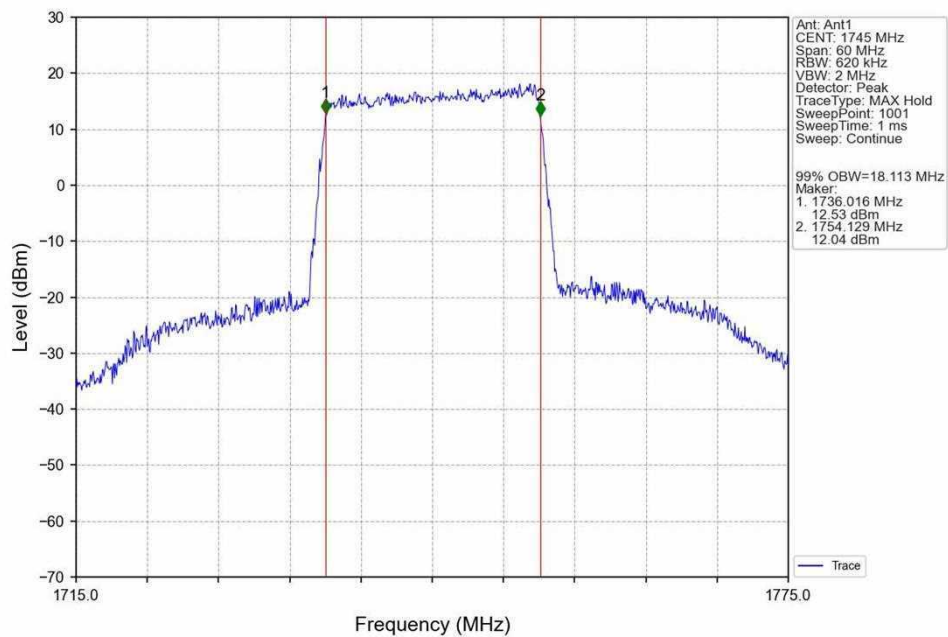
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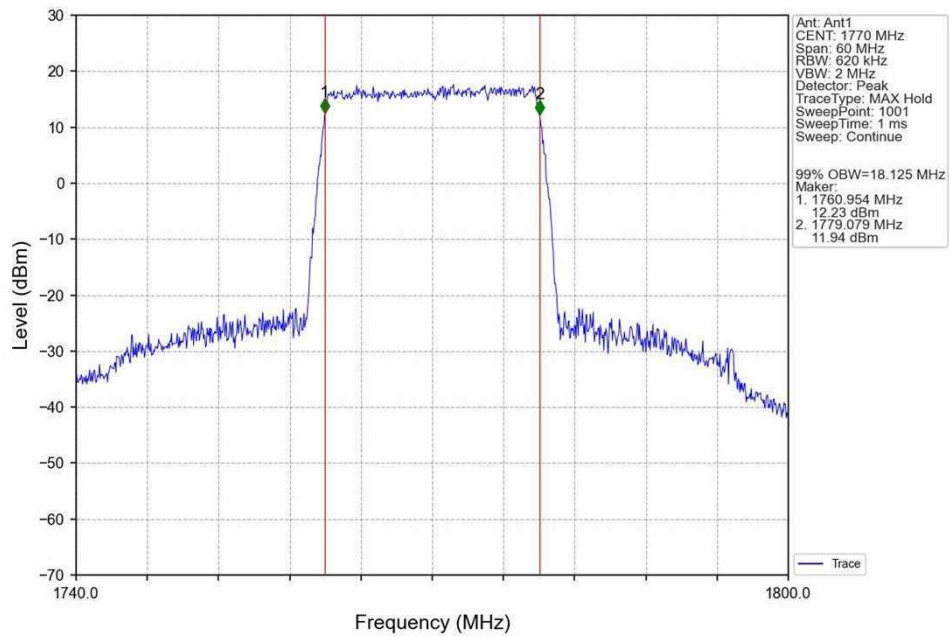
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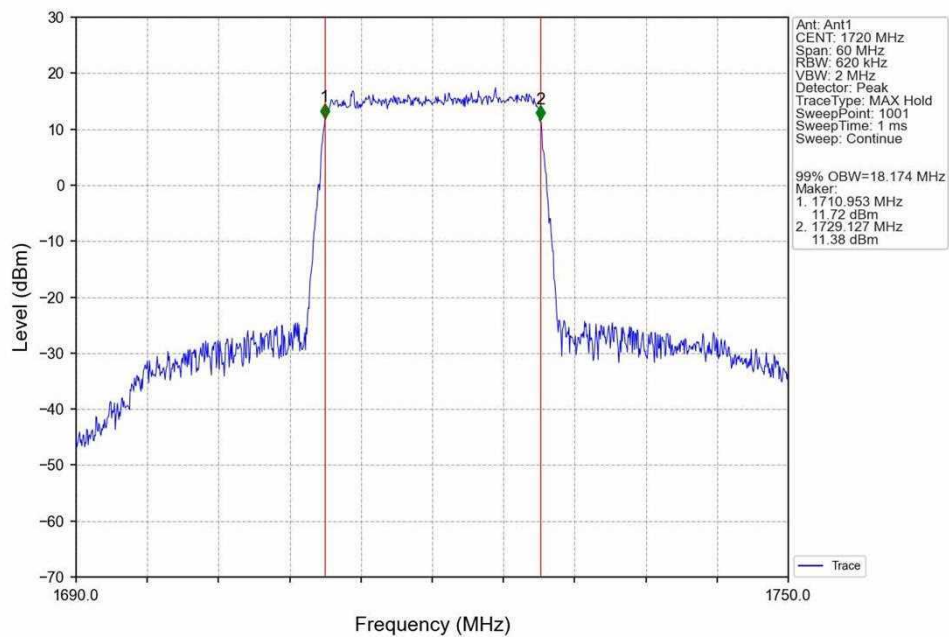
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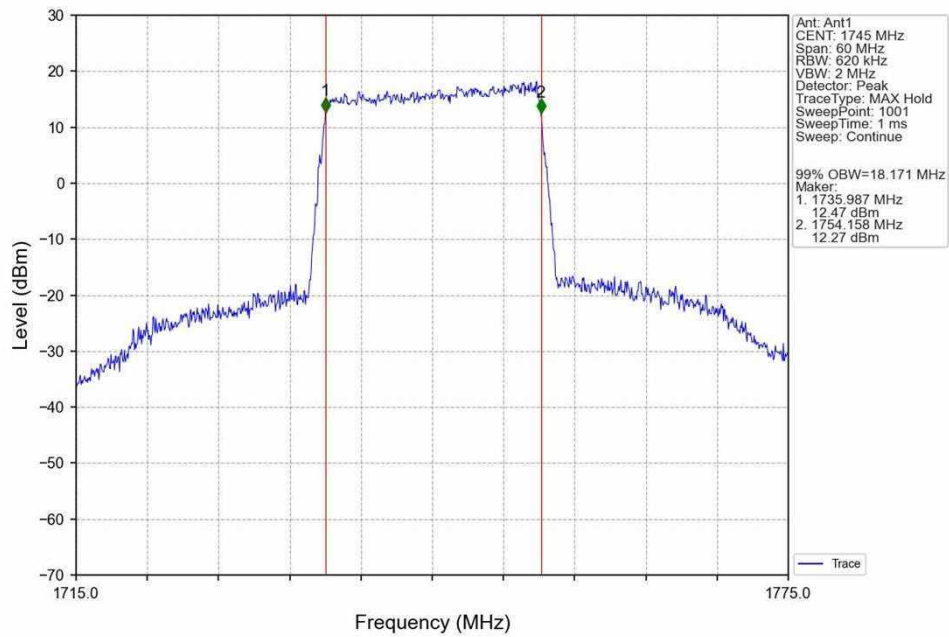
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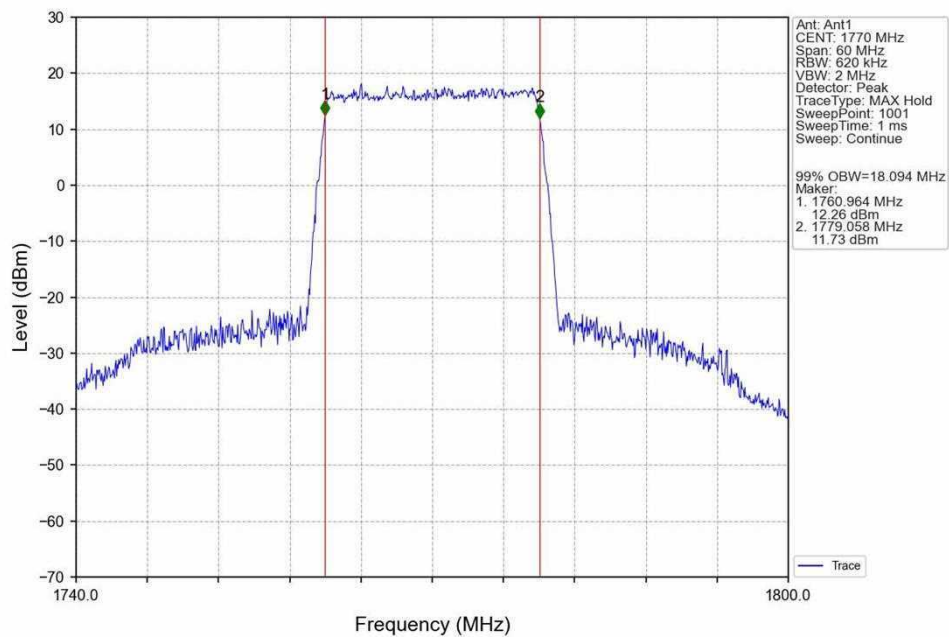
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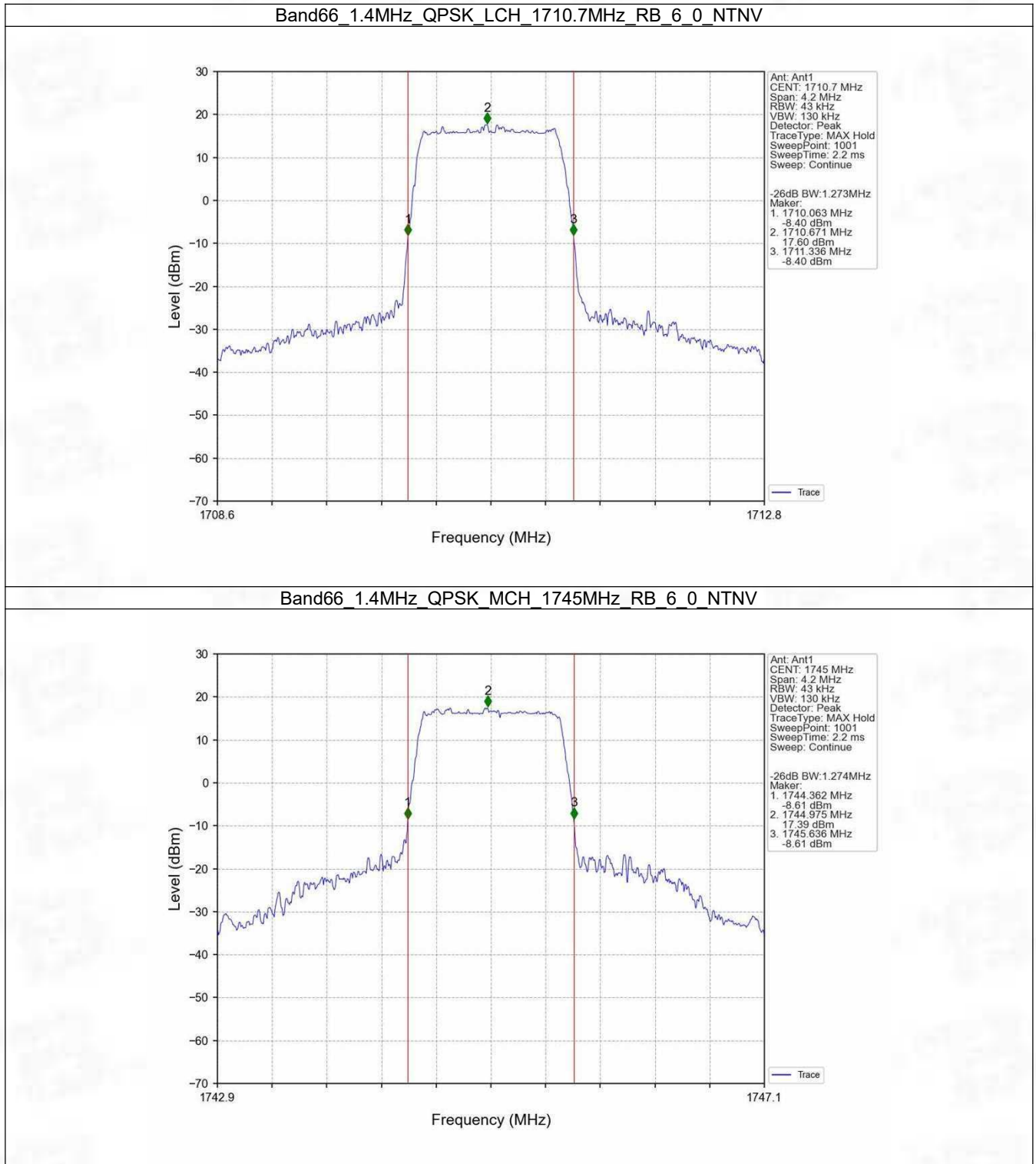
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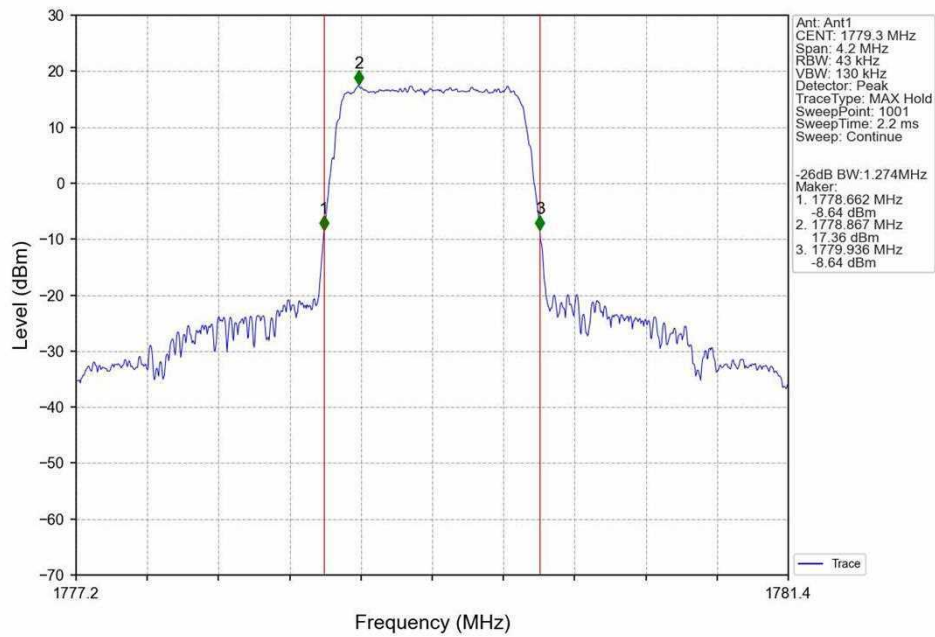
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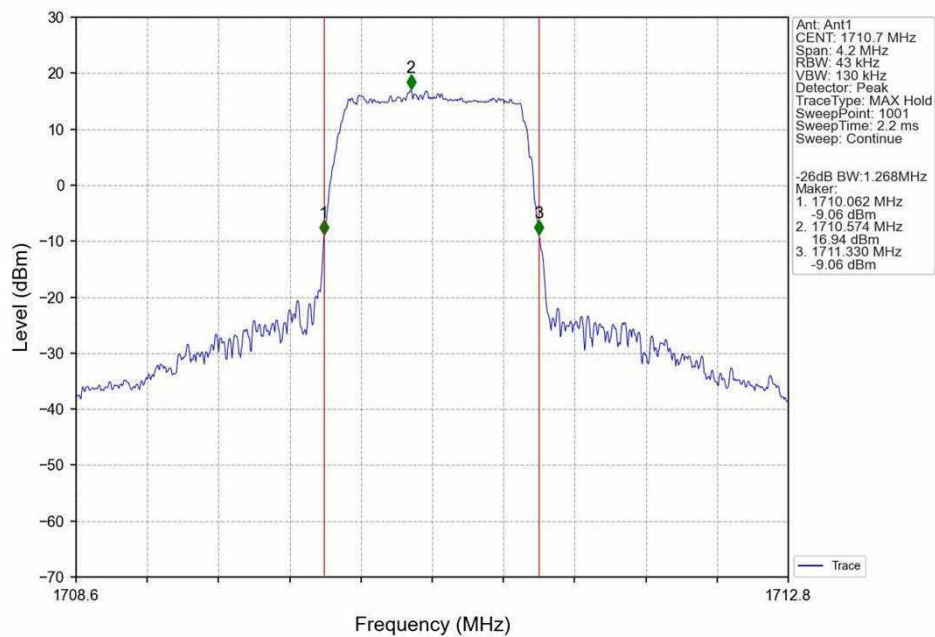
4.2.2 Band66_XDB



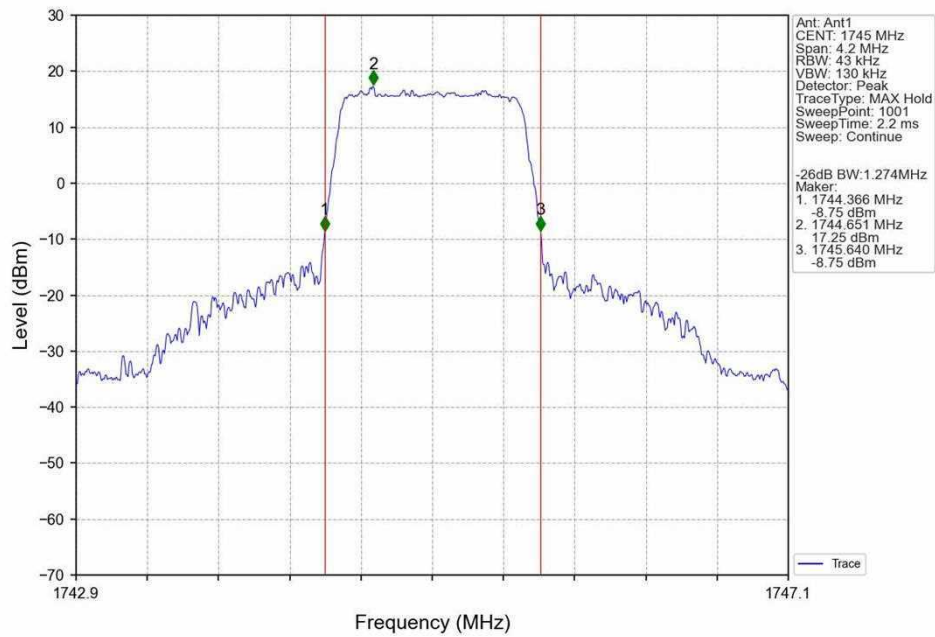
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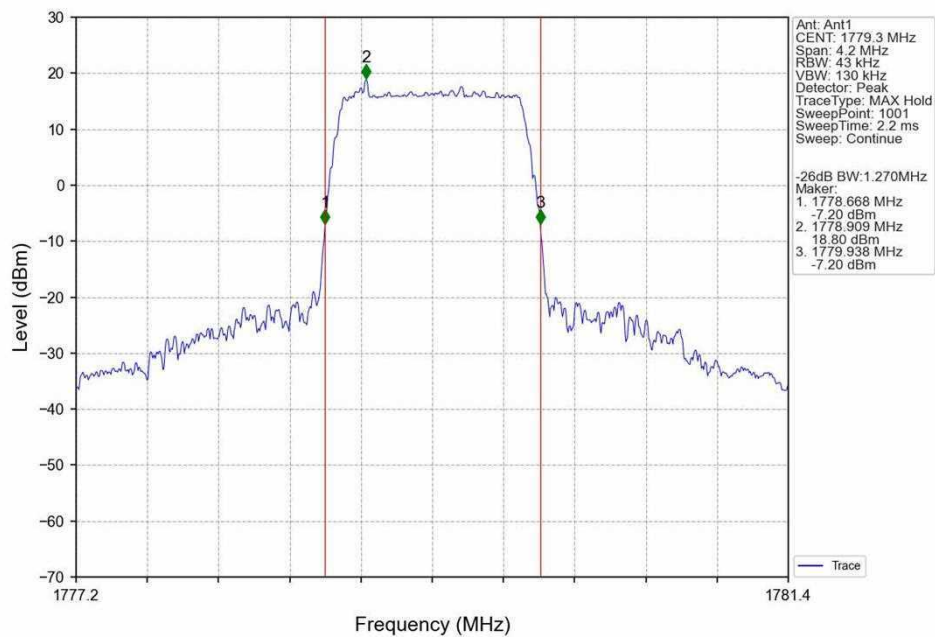
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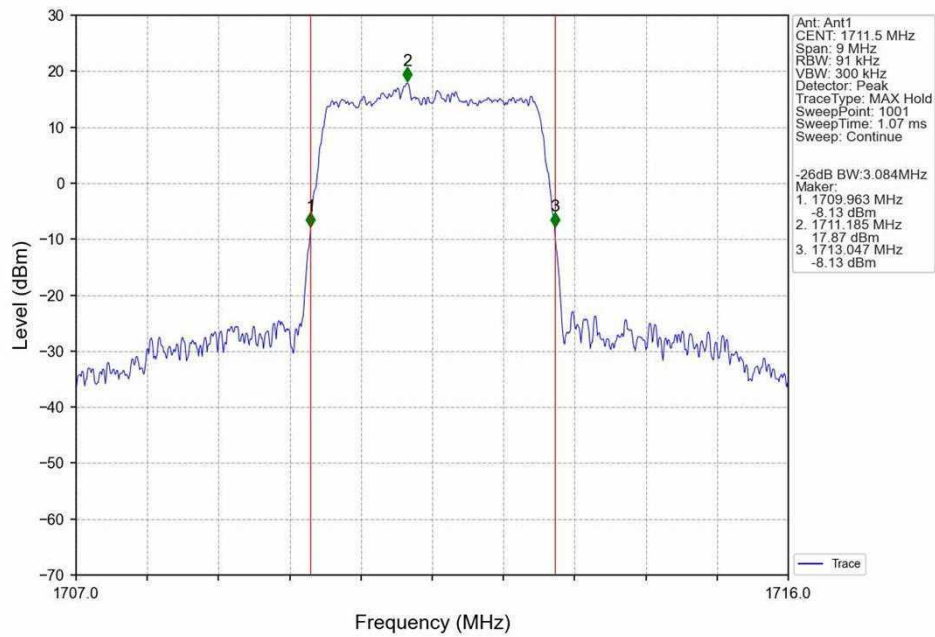
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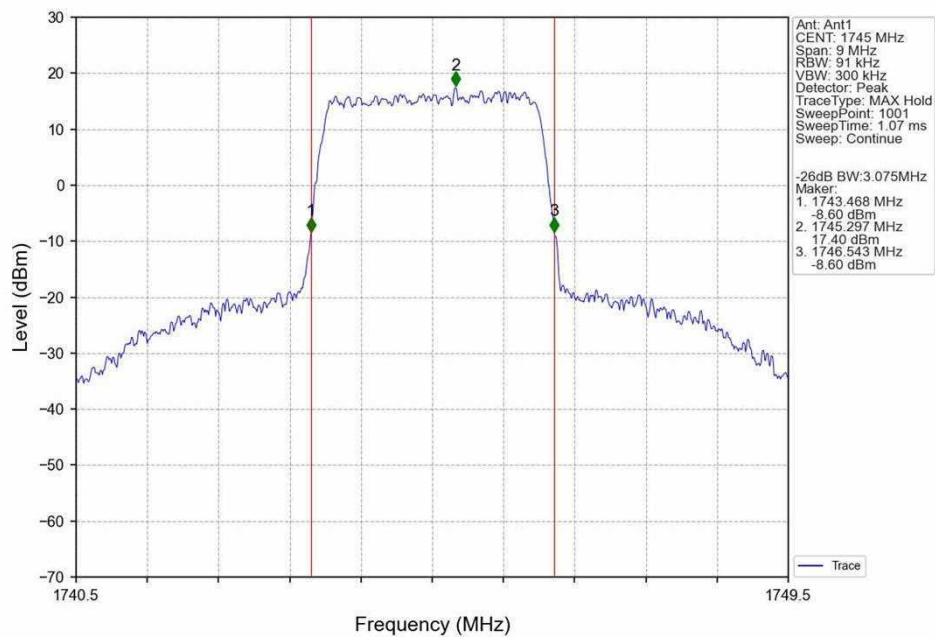
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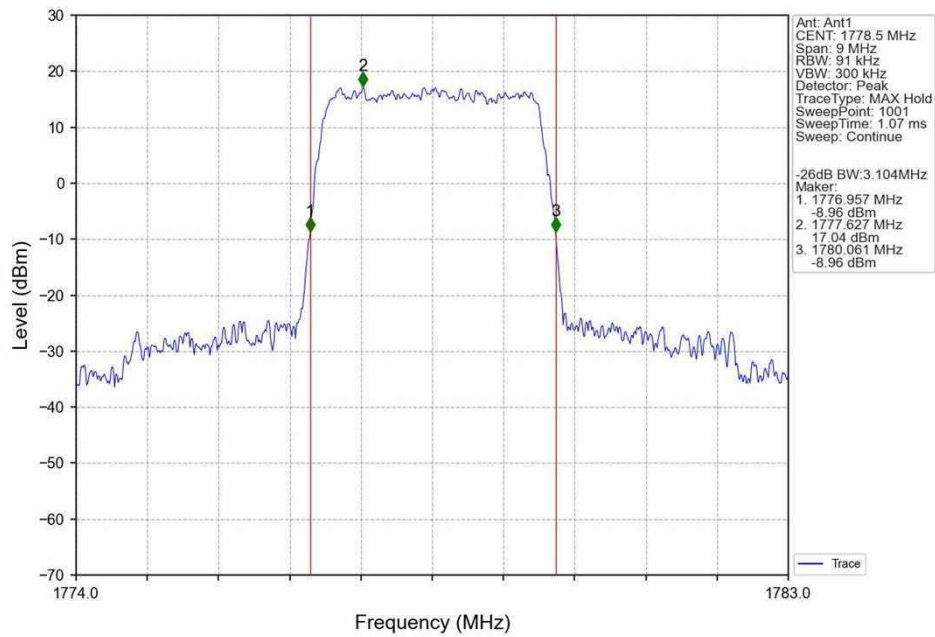
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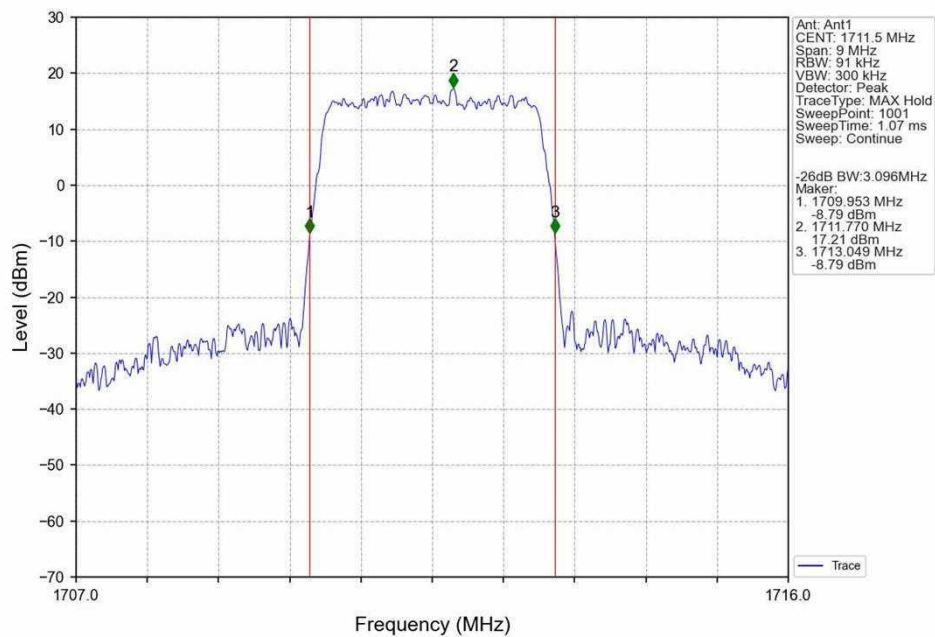
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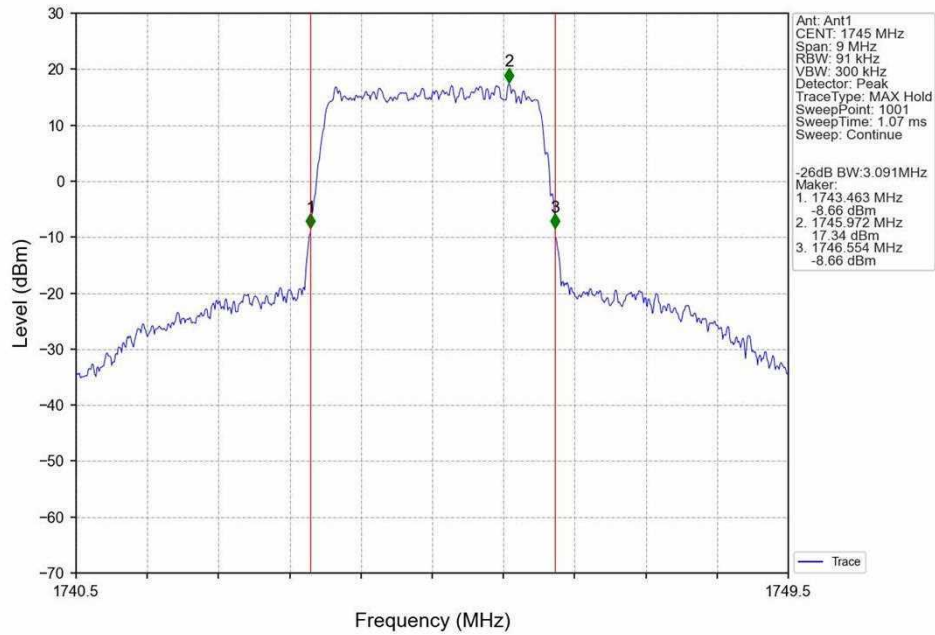
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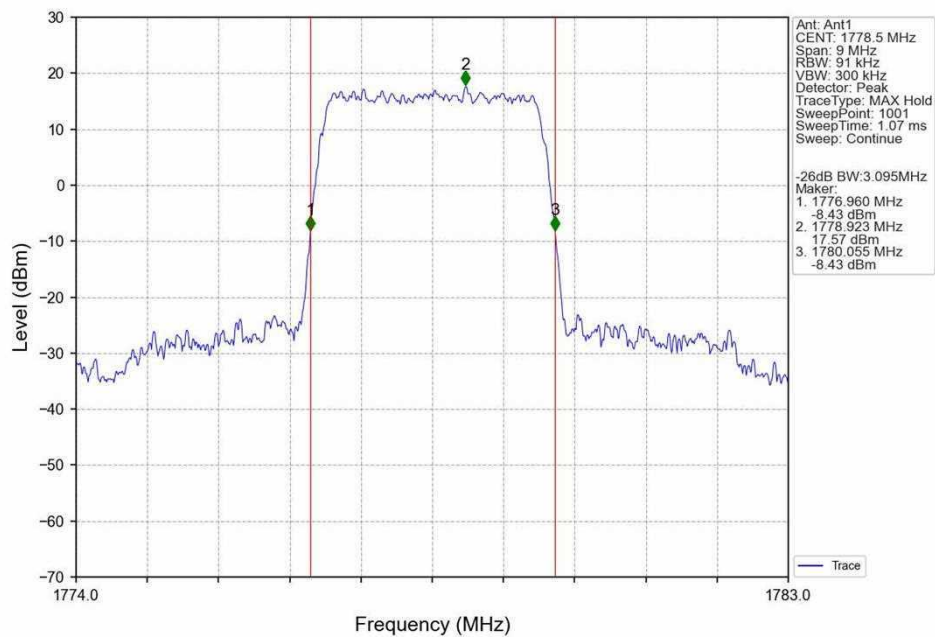
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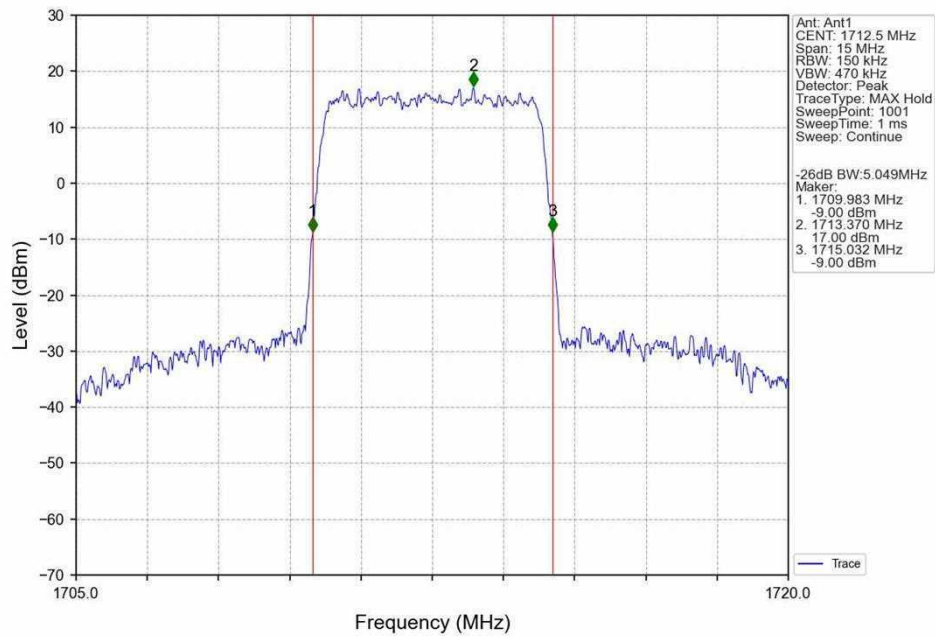
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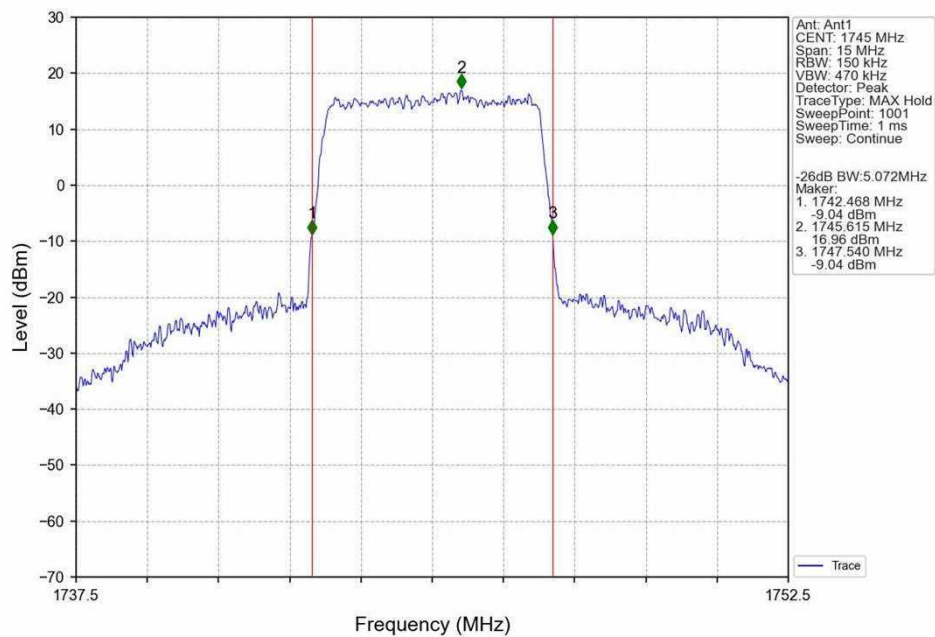
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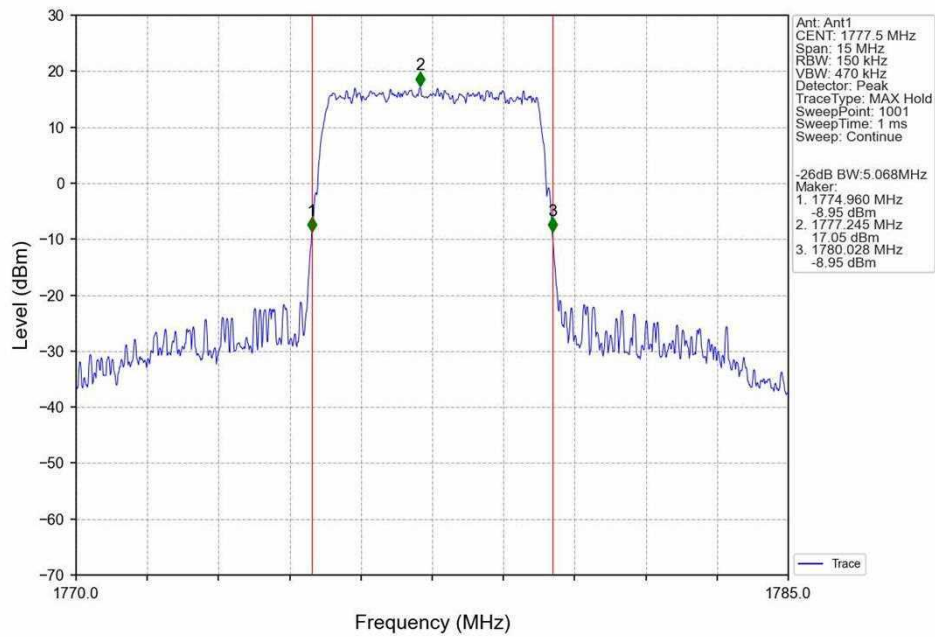
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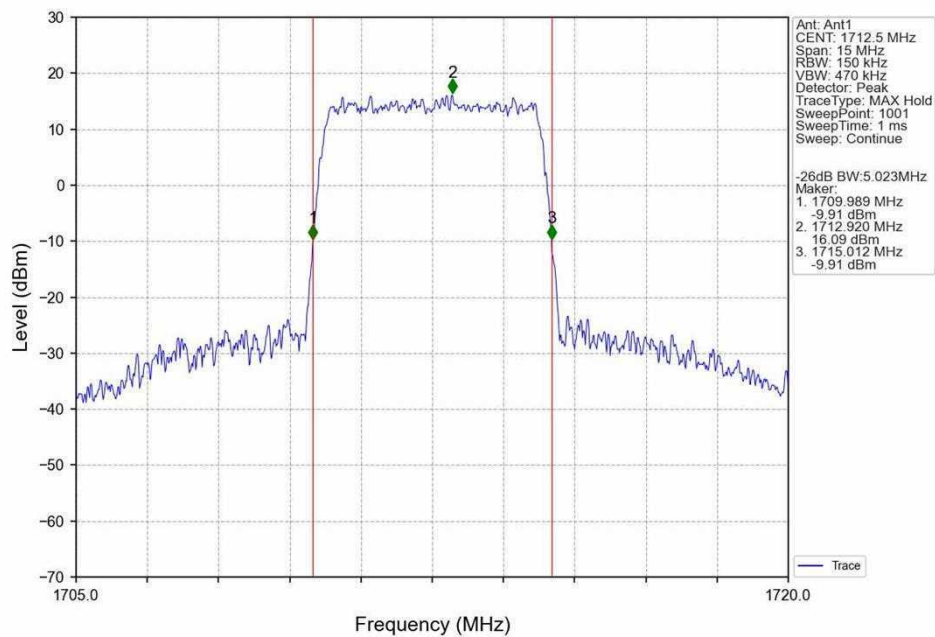
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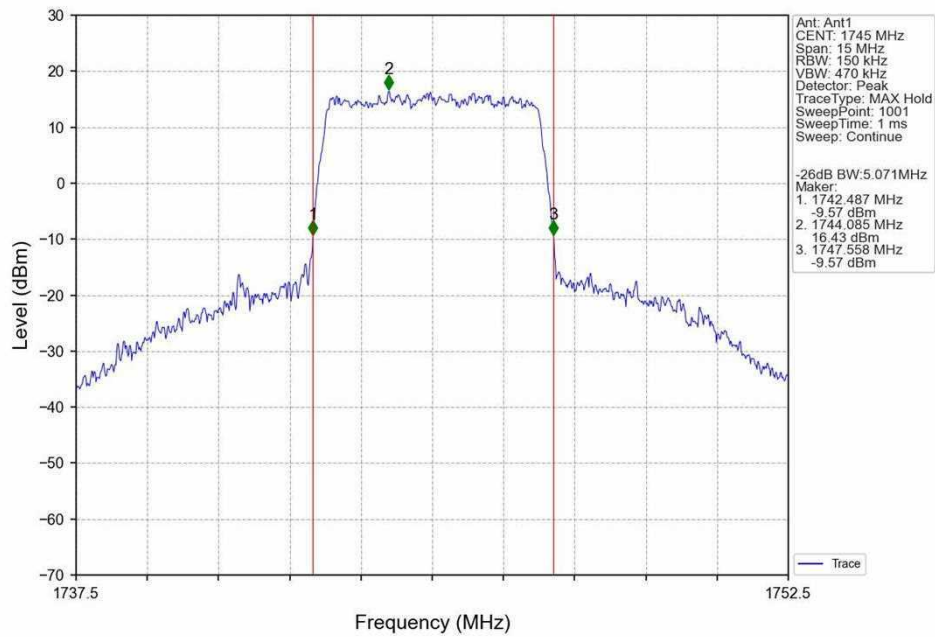
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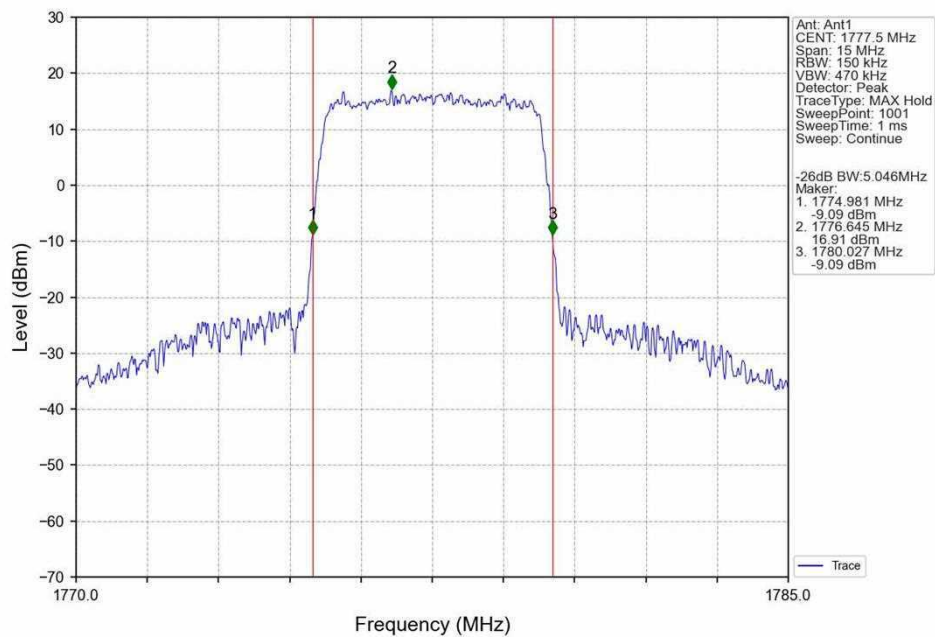
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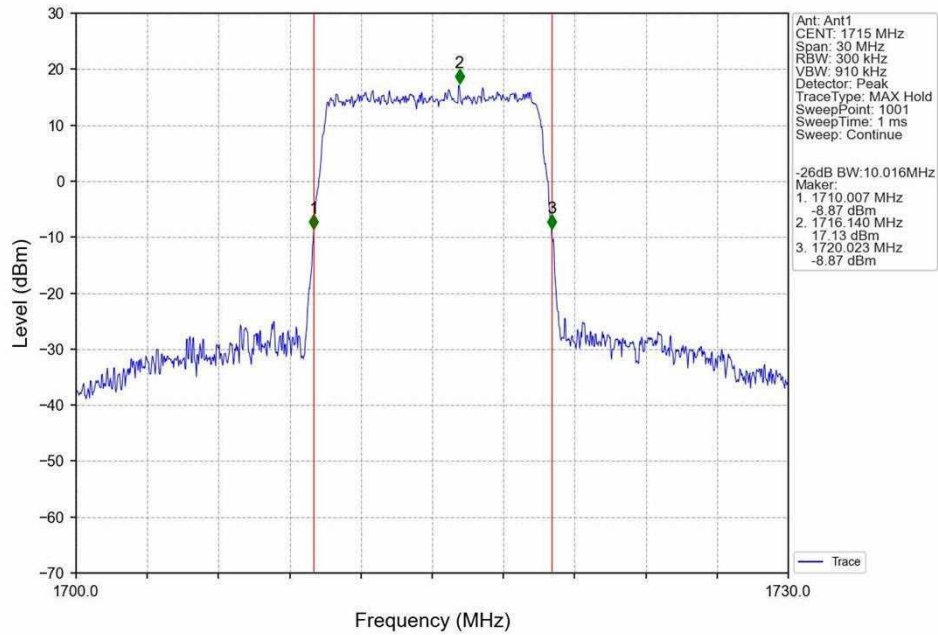
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



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

