

1. Effective (Isotropic) Radiated Power Output Data

1.1 B66_1.4MHz_EIRP

1.1.1 Test Result

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	22.19	0.41	22.60	<=30	Pass		
			2	22.41	0.41	22.82	<=30	Pass		
			5	22.05	0.41	22.46	<=30	Pass		
		3	0	21.95	0.41	22.36	<=30	Pass		
			2	21.91	0.41	22.32	<=30	Pass		
			3	21.97	0.41	22.38	<=30	Pass		
		6	0	21.09	0.41	21.50	<=30	Pass		
		1745	1	0	22.00	0.41	22.41	<=30	Pass	
				2	22.20	0.41	22.61	<=30	Pass	
	5			21.97	0.41	22.38	<=30	Pass		
	3		0	21.87	0.41	22.28	<=30	Pass		
			2	21.73	0.41	22.14	<=30	Pass		
			3	21.72	0.41	22.13	<=30	Pass		
	6		0	20.84	0.41	21.25	<=30	Pass		
	1779.3		1	0	21.89	0.41	22.30	<=30	Pass	
				2	22.06	0.41	22.47	<=30	Pass	
		5		21.88	0.41	22.29	<=30	Pass		
		3	0	22.00	0.41	22.41	<=30	Pass		
			2	21.94	0.41	22.35	<=30	Pass		
			3	22.00	0.41	22.41	<=30	Pass		
		6	0	20.93	0.41	21.34	<=30	Pass		
		16QAM	1710.7	1	0	21.04	0.41	21.45	<=30	Pass
					2	21.11	0.41	21.52	<=30	Pass
	5				20.85	0.41	21.26	<=30	Pass	
3	0			21.06	0.41	21.47	<=30	Pass		
	2			21.16	0.41	21.57	<=30	Pass		
	3			21.17	0.41	21.58	<=30	Pass		
6	0			20.42	0.41	20.83	<=30	Pass		
1745	1			0	21.32	0.41	21.73	<=30	Pass	
				2	21.44	0.41	21.85	<=30	Pass	
			5	21.31	0.41	21.72	<=30	Pass		
	3		0	21.18	0.41	21.59	<=30	Pass		
			2	21.09	0.41	21.50	<=30	Pass		
			3	21.18	0.41	21.59	<=30	Pass		
	6		0	20.04	0.41	20.45	<=30	Pass		
	1779.3		1	0	21.25	0.41	21.66	<=30	Pass	
				2	21.47	0.41	21.88	<=30	Pass	
5				21.19	0.41	21.60	<=30	Pass		
3			0	21.03	0.41	21.44	<=30	Pass		
			2	20.99	0.41	21.40	<=30	Pass		
			3	21.08	0.41	21.49	<=30	Pass		
6			0	19.95	0.41	20.36	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B66_3MHz_EIRP

1.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1711.5	1	0	22.43	0.41	22.84	<=30	Pass		
			7	22.32	0.41	22.73	<=30	Pass		
			14	22.43	0.41	22.84	<=30	Pass		
		8	0	21.40	0.41	21.81	<=30	Pass		
			4	21.41	0.41	21.82	<=30	Pass		
			7	21.37	0.41	21.78	<=30	Pass		
		15	0	21.36	0.41	21.77	<=30	Pass		
		1745	1	0	22.20	0.41	22.61	<=30	Pass	
				7	21.98	0.41	22.39	<=30	Pass	
	14			22.13	0.41	22.54	<=30	Pass		
	8		0	21.10	0.41	21.51	<=30	Pass		
			4	21.15	0.41	21.56	<=30	Pass		
			7	21.06	0.41	21.47	<=30	Pass		
	15		0	21.09	0.41	21.50	<=30	Pass		
	1778.5		1	0	21.90	0.41	22.31	<=30	Pass	
				7	22.10	0.41	22.51	<=30	Pass	
		14		21.89	0.41	22.30	<=30	Pass		
		8	0	20.94	0.41	21.35	<=30	Pass		
			4	20.97	0.41	21.38	<=30	Pass		
			7	20.91	0.41	21.32	<=30	Pass		
		15	0	20.90	0.41	21.31	<=30	Pass		
		16QAM	1711.5	1	0	21.78	0.41	22.19	<=30	Pass
					7	21.66	0.41	22.07	<=30	Pass
	14				21.78	0.41	22.19	<=30	Pass	
8	0			20.49	0.41	20.90	<=30	Pass		
	4			20.50	0.41	20.91	<=30	Pass		
	7			20.45	0.41	20.86	<=30	Pass		
15	0			20.45	0.41	20.86	<=30	Pass		
1745	1			0	21.14	0.41	21.55	<=30	Pass	
				7	20.98	0.41	21.39	<=30	Pass	
			14	21.12	0.41	21.53	<=30	Pass		
	8		0	20.12	0.41	20.53	<=30	Pass		
			4	20.17	0.41	20.58	<=30	Pass		
			7	20.09	0.41	20.50	<=30	Pass		
	15		0	20.20	0.41	20.61	<=30	Pass		
	1778.5		1	0	20.96	0.41	21.37	<=30	Pass	
				7	21.12	0.41	21.53	<=30	Pass	
14				20.90	0.41	21.31	<=30	Pass		
8			0	20.03	0.41	20.44	<=30	Pass		
			4	20.07	0.41	20.48	<=30	Pass		
			7	20.01	0.41	20.42	<=30	Pass		
15			0	19.98	0.41	20.39	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B66_5MHz_EIRP

1.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTN

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1712.5	1	0	22.15	0.41	22.56	<=30	Pass		
			13	22.24	0.41	22.65	<=30	Pass		
			24	22.08	0.41	22.49	<=30	Pass		
		12	0	21.16	0.41	21.57	<=30	Pass		
			6	21.26	0.41	21.67	<=30	Pass		
			13	21.22	0.41	21.63	<=30	Pass		
		25	0	21.22	0.41	21.63	<=30	Pass		
		1745	1	0	21.86	0.41	22.27	<=30	Pass	
				13	21.93	0.41	22.34	<=30	Pass	
	24			21.82	0.41	22.23	<=30	Pass		
	12		0	20.97	0.41	21.38	<=30	Pass		
			6	21.01	0.41	21.42	<=30	Pass		
			13	20.94	0.41	21.35	<=30	Pass		
	25		0	20.99	0.41	21.40	<=30	Pass		
	1777.5		1	0	21.80	0.41	22.21	<=30	Pass	
				13	21.91	0.41	22.32	<=30	Pass	
		24		21.78	0.41	22.19	<=30	Pass		
		12	0	20.88	0.41	21.29	<=30	Pass		
			6	20.89	0.41	21.30	<=30	Pass		
			13	20.80	0.41	21.21	<=30	Pass		
		25	0	20.81	0.41	21.22	<=30	Pass		
		16QAM	1712.5	1	0	21.24	0.41	21.65	<=30	Pass
					13	21.34	0.41	21.75	<=30	Pass
	24				21.20	0.41	21.61	<=30	Pass	
12	0			20.17	0.41	20.58	<=30	Pass		
	6			20.25	0.41	20.66	<=30	Pass		
	13			20.25	0.41	20.66	<=30	Pass		
25	0			20.28	0.41	20.69	<=30	Pass		
1745	1			0	21.19	0.41	21.60	<=30	Pass	
				13	21.31	0.41	21.72	<=30	Pass	
			24	21.14	0.41	21.55	<=30	Pass		
	12		0	20.06	0.41	20.47	<=30	Pass		
			6	20.12	0.41	20.53	<=30	Pass		
			13	20.04	0.41	20.45	<=30	Pass		
	25		0	20.02	0.41	20.43	<=30	Pass		
	1777.5		1	0	20.65	0.41	21.06	<=30	Pass	
				13	20.78	0.41	21.19	<=30	Pass	
24				20.66	0.41	21.07	<=30	Pass		
12			0	19.88	0.41	20.29	<=30	Pass		
			6	19.90	0.41	20.31	<=30	Pass		
			13	19.86	0.41	20.27	<=30	Pass		
25			0	19.89	0.41	20.30	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B66_10MHz_EIRP

1.4.1 Test Result

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	22.18	0.41	22.59	<=30	Pass
			25	22.42	0.41	22.83	<=30	Pass

		25	49	22.17	0.41	22.58	<=30	Pass	
			0	21.20	0.41	21.61	<=30	Pass	
			13	21.28	0.41	21.69	<=30	Pass	
			25	21.33	0.41	21.74	<=30	Pass	
		50	0	21.29	0.41	21.70	<=30	Pass	
			1	0	22.01	0.41	22.42	<=30	Pass
				25	22.11	0.41	22.52	<=30	Pass
		49		21.89	0.41	22.30	<=30	Pass	
		1745	25	0	21.10	0.41	21.51	<=30	Pass
	13			21.06	0.41	21.47	<=30	Pass	
	25			21.04	0.41	21.45	<=30	Pass	
	50		0	21.13	0.41	21.54	<=30	Pass	
			1	0	21.91	0.41	22.32	<=30	Pass
				25	22.08	0.41	22.49	<=30	Pass
	49	21.75		0.41	22.16	<=30	Pass		
	1775	25	0	21.04	0.41	21.45	<=30	Pass	
			13	20.98	0.41	21.39	<=30	Pass	
			25	20.89	0.41	21.30	<=30	Pass	
		50	0	20.99	0.41	21.40	<=30	Pass	
			1	0	21.22	0.41	21.63	<=30	Pass
				25	21.41	0.41	21.82	<=30	Pass
	49	21.18		0.41	21.59	<=30	Pass		
	16QAM	1715	25	0	20.35	0.41	20.76	<=30	Pass
				13	20.40	0.41	20.81	<=30	Pass
				25	20.37	0.41	20.78	<=30	Pass
			50	0	20.30	0.41	20.71	<=30	Pass
				1	0	21.22	0.41	21.63	<=30
25					21.35	0.41	21.76	<=30	Pass
49			21.09		0.41	21.50	<=30	Pass	
1745			25	0	20.21	0.41	20.62	<=30	Pass
				13	20.12	0.41	20.53	<=30	Pass
		25		20.15	0.41	20.56	<=30	Pass	
		50	0	20.19	0.41	20.60	<=30	Pass	
			1	0	21.41	0.41	21.82	<=30	Pass
				25	21.62	0.41	22.03	<=30	Pass
49		21.37		0.41	21.78	<=30	Pass		
1775		25	0	20.11	0.41	20.52	<=30	Pass	
			13	20.07	0.41	20.48	<=30	Pass	
			25	19.99	0.41	20.40	<=30	Pass	
		50	0	20.05	0.41	20.46	<=30	Pass	
			1	0	21.41	0.41	21.82	<=30	Pass
				25	21.62	0.41	22.03	<=30	Pass
49		21.37		0.41	21.78	<=30	Pass		
Note1: EIRP=Conducted Power+Antenna Gain									

1.5 B66_15MHz_EIRP

1.5.1 Test Result

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	22.05	0.41	22.46	<=30	Pass
			38	22.20	0.41	22.61	<=30	Pass
			74	21.99	0.41	22.40	<=30	Pass
		36	0	21.19	0.41	21.60	<=30	Pass
			18	21.26	0.41	21.67	<=30	Pass
			39	21.22	0.41	21.63	<=30	Pass

16QAM	1745	75	0	21.21	0.41	21.62	<=30	Pass		
		1	0	21.88	0.41	22.29	<=30	Pass		
			38	21.93	0.41	22.34	<=30	Pass		
			74	21.63	0.41	22.04	<=30	Pass		
			0	21.05	0.41	21.46	<=30	Pass		
		36	18	21.02	0.41	21.43	<=30	Pass		
			39	20.97	0.41	21.38	<=30	Pass		
			75	0	21.02	0.41	21.43	<=30	Pass	
		1772.5	1	0	21.75	0.41	22.16	<=30	Pass	
				38	21.95	0.41	22.36	<=30	Pass	
				74	21.59	0.41	22.00	<=30	Pass	
				0	21.06	0.41	21.47	<=30	Pass	
	36		18	21.06	0.41	21.47	<=30	Pass		
			39	20.94	0.41	21.35	<=30	Pass		
			75	0	21.02	0.41	21.43	<=30	Pass	
	16QAM		1717.5	1	0	21.44	0.41	21.85	<=30	Pass
					38	21.55	0.41	21.96	<=30	Pass
					74	21.47	0.41	21.88	<=30	Pass
					0	20.16	0.41	20.57	<=30	Pass
				36	18	20.25	0.41	20.66	<=30	Pass
		39			20.21	0.41	20.62	<=30	Pass	
		75			0	20.19	0.41	20.60	<=30	Pass
		1745		1	0	21.10	0.41	21.51	<=30	Pass
					38	21.16	0.41	21.57	<=30	Pass
74					20.85	0.41	21.26	<=30	Pass	
0					20.08	0.41	20.49	<=30	Pass	
36				18	20.03	0.41	20.44	<=30	Pass	
			39	19.99	0.41	20.40	<=30	Pass		
			75	0	20.07	0.41	20.48	<=30	Pass	
1772.5			1	0	21.32	0.41	21.73	<=30	Pass	
				38	21.47	0.41	21.88	<=30	Pass	
				74	21.24	0.41	21.65	<=30	Pass	
				0	20.05	0.41	20.46	<=30	Pass	
			36	18	20.10	0.41	20.51	<=30	Pass	
		39		19.95	0.41	20.36	<=30	Pass		
		75		0	19.99	0.41	20.40	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

1.6 B66_20MHz_EIRP

1.6.1 Test Result

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	21.92	0.41	22.33	<=30	Pass
			50	22.29	0.41	22.70	<=30	Pass
			99	21.86	0.41	22.27	<=30	Pass
		50	0	21.14	0.41	21.55	<=30	Pass
			25	21.21	0.41	21.62	<=30	Pass
			50	21.19	0.41	21.60	<=30	Pass
	1745	100	0	21.15	0.41	21.56	<=30	Pass
			0	21.83	0.41	22.24	<=30	Pass
			50	22.05	0.41	22.46	<=30	Pass
		1	50	21.52	0.41	21.93	<=30	Pass

	1770	50	0	21.08	0.41	21.49	<=30	Pass		
			25	21.00	0.41	21.41	<=30	Pass		
			50	20.98	0.41	21.39	<=30	Pass		
		100	0	20.98	0.41	21.39	<=30	Pass		
			1	0	21.54	0.41	21.95	<=30	Pass	
				50	22.10	0.41	22.51	<=30	Pass	
	99	21.48		0.41	21.89	<=30	Pass			
	1770	50	0	20.96	0.41	21.37	<=30	Pass		
			25	20.95	0.41	21.36	<=30	Pass		
			50	20.87	0.41	21.28	<=30	Pass		
		100	0	20.93	0.41	21.34	<=30	Pass		
			1720	1	0	21.42	0.41	21.83	<=30	Pass
					50	21.89	0.41	22.30	<=30	Pass
	99	21.45			0.41	21.86	<=30	Pass		
	1720	50	0	20.12	0.41	20.53	<=30	Pass		
25			20.26	0.41	20.67	<=30	Pass			
50			20.20	0.41	20.61	<=30	Pass			
100		0	20.19	0.41	20.60	<=30	Pass			
		1745	1	0	21.09	0.41	21.50	<=30	Pass	
				50	21.35	0.41	21.76	<=30	Pass	
99	20.77			0.41	21.18	<=30	Pass			
1745	50	0	20.18	0.41	20.59	<=30	Pass			
		25	20.10	0.41	20.51	<=30	Pass			
		50	20.07	0.41	20.48	<=30	Pass			
	100	0	20.10	0.41	20.51	<=30	Pass			
		1770	1	0	20.83	0.41	21.24	<=30	Pass	
				50	21.34	0.41	21.75	<=30	Pass	
99	20.83			0.41	21.24	<=30	Pass			
1770	50	0	19.98	0.41	20.39	<=30	Pass			
		25	19.96	0.41	20.37	<=30	Pass			
		50	19.88	0.41	20.29	<=30	Pass			
	100	0	19.98	0.41	20.39	<=30	Pass			

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 B66_1.4MHz

2.1.1 Test Result

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	-10.972	-0.0064	-2.5 to 2.5	Pass	
					3.85	0.114	0.0001	-2.5 to 2.5	Pass	
					4.43	-6.137	-0.0036	-2.5 to 2.5	Pass	
				-30	3.85	-10.571	-0.0062	-2.5 to 2.5	Pass	
					-20	3.85	-5.264	-0.0031	-2.5 to 2.5	Pass
						-10	3.85	-2.546	-0.0015	-2.5 to 2.5
				0	3.85	-14.005	-0.0082	-2.5 to 2.5	Pass	
					10	3.85	2.103	0.0012	-2.5 to 2.5	Pass
					30	3.85	-8.154	-0.0048	-2.5 to 2.5	Pass
					40	3.85	-1.202	-0.0007	-2.5 to 2.5	Pass
					50	3.85	-0.873	-0.0005	-2.5 to 2.5	Pass

	1745	6	0	20	3.27	-6.309	-0.0036	-2.5 to 2.5	Pass	
					3.85	3.233	0.0019	-2.5 to 2.5	Pass	
					4.43	-7.424	-0.0043	-2.5 to 2.5	Pass	
				-30	3.85	2.217	0.0013	-2.5 to 2.5	Pass	
					-20	3.85	-3.018	-0.0017	-2.5 to 2.5	Pass
						-10	3.85	-4.263	-0.0024	-2.5 to 2.5
				0	3.85	-11.330	-0.0065	-2.5 to 2.5	Pass	
					10	3.85	-2.174	-0.0012	-2.5 to 2.5	Pass
					30	3.85	5.250	0.0030	-2.5 to 2.5	Pass
	40	3.85	2.418	0.0014	-2.5 to 2.5	Pass				
		50	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass			
			3.85	-2.375	-0.0014	-2.5 to 2.5	Pass			
	1779.3	6	0	20	3.27	-10.614	-0.0060	-2.5 to 2.5	Pass	
					3.85	-6.967	-0.0039	-2.5 to 2.5	Pass	
					4.43	0.215	0.0001	-2.5 to 2.5	Pass	
				-30	3.85	-8.798	-0.0049	-2.5 to 2.5	Pass	
					-20	3.85	-8.025	-0.0045	-2.5 to 2.5	Pass
						-10	3.85	-8.512	-0.0048	-2.5 to 2.5
0				3.85	-1.988	-0.0011	-2.5 to 2.5	Pass		
				10	3.85	0.658	0.0004	-2.5 to 2.5	Pass	
				30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass	
40	3.85	-9.871	-0.0055	-2.5 to 2.5	Pass					
	50	3.85	-3.004	-0.0017	-2.5 to 2.5	Pass				
		3.85	-3.004	-0.0017	-2.5 to 2.5	Pass				
16QAM	1710.7	6	0	20	3.27	-8.640	-0.0051	-2.5 to 2.5	Pass	
					3.85	-9.141	-0.0053	-2.5 to 2.5	Pass	
					4.43	-2.704	-0.0016	-2.5 to 2.5	Pass	
				-30	3.85	-5.465	-0.0032	-2.5 to 2.5	Pass	
					-20	3.85	-3.176	-0.0019	-2.5 to 2.5	Pass
						-10	3.85	-6.623	-0.0039	-2.5 to 2.5
				0	3.85	2.761	0.0016	-2.5 to 2.5	Pass	
					10	3.85	-4.249	-0.0025	-2.5 to 2.5	Pass
					30	3.85	-5.651	-0.0033	-2.5 to 2.5	Pass
	40	3.85	-7.167	-0.0042	-2.5 to 2.5	Pass				
		50	3.85	-13.046	-0.0076	-2.5 to 2.5	Pass			
			3.85	-13.046	-0.0076	-2.5 to 2.5	Pass			
	1745	6	0	20	3.27	-1.402	-0.0008	-2.5 to 2.5	Pass	
					3.85	-2.532	-0.0015	-2.5 to 2.5	Pass	
					4.43	-10.300	-0.0059	-2.5 to 2.5	Pass	
				-30	3.85	-0.501	-0.0003	-2.5 to 2.5	Pass	
					-20	3.85	-7.639	-0.0044	-2.5 to 2.5	Pass
						-10	3.85	-2.875	-0.0016	-2.5 to 2.5
0				3.85	-5.193	-0.0030	-2.5 to 2.5	Pass		
				10	3.85	-7.954	-0.0046	-2.5 to 2.5	Pass	
				30	3.85	3.819	0.0022	-2.5 to 2.5	Pass	
40	3.85	-11.001	-0.0063	-2.5 to 2.5	Pass					
	50	3.85	3.619	0.0021	-2.5 to 2.5	Pass				
		3.85	3.619	0.0021	-2.5 to 2.5	Pass				
1779.3	6	0	20	3.27	-12.159	-0.0068	-2.5 to 2.5	Pass		
				3.85	-4.120	-0.0023	-2.5 to 2.5	Pass		
				4.43	-5.865	-0.0033	-2.5 to 2.5	Pass		
			-30	3.85	-1.087	-0.0006	-2.5 to 2.5	Pass		
				-20	3.85	-9.785	-0.0055	-2.5 to 2.5	Pass	
					-10	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
			0	3.85	-9.599	-0.0054	-2.5 to 2.5	Pass		
				10	3.85	-1.030	-0.0006	-2.5 to 2.5	Pass	
				30	3.85	-9.227	-0.0052	-2.5 to 2.5	Pass	
40	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass					
	50	3.85	-5.994	-0.0034	-2.5 to 2.5	Pass				
		3.85	-5.994	-0.0034	-2.5 to 2.5	Pass				

2.2 B66_3MHz

2.2.1 Test Result

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	1.359	0.0008	-2.5 to 2.5	Pass
					3.85	2.518	0.0015	-2.5 to 2.5	Pass
					4.43	3.390	0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.402	0.0008	-2.5 to 2.5	Pass
				-20	3.85	0.129	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-1.216	-0.0007	-2.5 to 2.5	Pass
				0	3.85	-0.486	-0.0003	-2.5 to 2.5	Pass
				10	3.85	2.360	0.0014	-2.5 to 2.5	Pass
				30	3.85	4.063	0.0024	-2.5 to 2.5	Pass
				40	3.85	-0.987	-0.0006	-2.5 to 2.5	Pass
	50	3.85	3.033	0.0018	-2.5 to 2.5	Pass			
	1745	15	0	20	3.27	-8.612	-0.0049	-2.5 to 2.5	Pass
					3.85	1.202	0.0007	-2.5 to 2.5	Pass
					4.43	2.003	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-2.503	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	0.215	0.0001	-2.5 to 2.5	Pass
				-10	3.85	4.964	0.0028	-2.5 to 2.5	Pass
				0	3.85	-2.346	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-3.848	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
				40	3.85	0.257	0.0001	-2.5 to 2.5	Pass
	50	3.85	1.245	0.0007	-2.5 to 2.5	Pass			
	1778.5	15	0	20	3.27	-4.506	-0.0025	-2.5 to 2.5	Pass
					3.85	-12.989	-0.0073	-2.5 to 2.5	Pass
					4.43	-6.509	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-7.825	-0.0044	-2.5 to 2.5	Pass
				-20	3.85	-5.207	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-7.324	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-10.128	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-7.954	-0.0045	-2.5 to 2.5	Pass
30				3.85	-7.911	-0.0044	-2.5 to 2.5	Pass	
40				3.85	-6.237	-0.0035	-2.5 to 2.5	Pass	
50	3.85	-11.959	-0.0067	-2.5 to 2.5	Pass				
16QAM	1711.5	15	0	20	3.27	12.159	0.0071	-2.5 to 2.5	Pass
					3.85	4.048	0.0024	-2.5 to 2.5	Pass
					4.43	-1.874	-0.0011	-2.5 to 2.5	Pass
				-30	3.85	0.172	0.0001	-2.5 to 2.5	Pass
				-20	3.85	0.157	0.0001	-2.5 to 2.5	Pass
				-10	3.85	-3.190	-0.0019	-2.5 to 2.5	Pass
				0	3.85	1.445	0.0008	-2.5 to 2.5	Pass
				10	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				30	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-1.774	-0.0010	-2.5 to 2.5	Pass
	50	3.85	-1.388	-0.0008	-2.5 to 2.5	Pass			
	1745	15	0	20	3.27	-4.377	-0.0025	-2.5 to 2.5	Pass
					3.85	-1.574	-0.0009	-2.5 to 2.5	Pass
					4.43	1.831	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.679	-0.0033	-2.5 to 2.5	Pass

	1778.5	15	0	-10	3.85	-8.183	-0.0047	-2.5 to 2.5	Pass	
				0	3.85	3.033	0.0017	-2.5 to 2.5	Pass	
				10	3.85	3.576	0.0020	-2.5 to 2.5	Pass	
				30	3.85	4.663	0.0027	-2.5 to 2.5	Pass	
				40	3.85	4.449	0.0025	-2.5 to 2.5	Pass	
				50	3.85	3.834	0.0022	-2.5 to 2.5	Pass	
		1778.5	15	0	20	3.27	-11.859	-0.0067	-2.5 to 2.5	Pass
						3.85	-5.808	-0.0033	-2.5 to 2.5	Pass
						4.43	-7.453	-0.0042	-2.5 to 2.5	Pass
					-30	3.85	-5.050	-0.0028	-2.5 to 2.5	Pass
					-20	3.85	-11.287	-0.0063	-2.5 to 2.5	Pass
					-10	3.85	-13.433	-0.0076	-2.5 to 2.5	Pass
					0	3.85	-4.678	-0.0026	-2.5 to 2.5	Pass
					10	3.85	-14.305	-0.0080	-2.5 to 2.5	Pass
					30	3.85	-7.181	-0.0040	-2.5 to 2.5	Pass
					40	3.85	-2.933	-0.0016	-2.5 to 2.5	Pass
					50	3.85	-3.991	-0.0022	-2.5 to 2.5	Pass

2.3 B66_5MHz

2.3.1 Test Result

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	-5.364	-0.0031	-2.5 to 2.5	Pass
					3.85	-0.944	-0.0006	-2.5 to 2.5	Pass
					4.43	-4.206	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-5.279	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-3.662	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-6.080	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-2.890	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-5.937	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-2.174	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-3.290	-0.0019	-2.5 to 2.5	Pass
				50	3.85	-1.602	-0.0009	-2.5 to 2.5	Pass
				1745	25	0	20	3.27	-4.678
	3.85	-9.928	-0.0057					-2.5 to 2.5	Pass
	4.43	0.830	0.0005					-2.5 to 2.5	Pass
	-30	3.85	0.486				0.0003	-2.5 to 2.5	Pass
	-20	3.85	-1.030				-0.0006	-2.5 to 2.5	Pass
	-10	3.85	-5.994				-0.0034	-2.5 to 2.5	Pass
	0	3.85	-8.068				-0.0046	-2.5 to 2.5	Pass
	10	3.85	-4.978				-0.0029	-2.5 to 2.5	Pass
	30	3.85	-8.740				-0.0050	-2.5 to 2.5	Pass
	40	3.85	-7.296				-0.0042	-2.5 to 2.5	Pass
	50	3.85	-4.663				-0.0027	-2.5 to 2.5	Pass
	1777.5	25	0				20	3.27	-7.954
				3.85	1.616	0.0009		-2.5 to 2.5	Pass
				4.43	-1.845	-0.0010		-2.5 to 2.5	Pass
				-30	3.85	-3.548	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.896	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.080	-0.0034	-2.5 to 2.5	Pass
	0	3.85	-7.596	-0.0043	-2.5 to 2.5	Pass			
	10	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass			

				30	3.85	-9.484	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-10.185	-0.0057	-2.5 to 2.5	Pass
				50	3.85	-3.719	-0.0021	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.27	-2.131	-0.0012	-2.5 to 2.5	Pass
					3.85	-0.143	-0.0001	-2.5 to 2.5	Pass
					4.43	1.717	0.0010	-2.5 to 2.5	Pass
				-30	3.85	-2.775	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-2.646	-0.0015	-2.5 to 2.5	Pass
				-10	3.85	-2.460	-0.0014	-2.5 to 2.5	Pass
				0	3.85	-2.861	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-2.332	-0.0014	-2.5 to 2.5	Pass
				30	3.85	-0.029	0.0000	-2.5 to 2.5	Pass
				40	3.85	1.144	0.0007	-2.5 to 2.5	Pass
	50	3.85	-1.960	-0.0011	-2.5 to 2.5	Pass			
	1745	25	0	20	3.27	-1.101	-0.0006	-2.5 to 2.5	Pass
					3.85	-8.569	-0.0049	-2.5 to 2.5	Pass
					4.43	-4.663	-0.0027	-2.5 to 2.5	Pass
				-30	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	3.691	0.0021	-2.5 to 2.5	Pass
				-10	3.85	-10.514	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-2.904	-0.0017	-2.5 to 2.5	Pass
				10	3.85	-8.111	-0.0046	-2.5 to 2.5	Pass
				30	3.85	-4.392	-0.0025	-2.5 to 2.5	Pass
				40	3.85	8.311	0.0048	-2.5 to 2.5	Pass
	50	3.85	2.875	0.0016	-2.5 to 2.5	Pass			
	1777.5	25	0	20	3.27	-7.625	-0.0043	-2.5 to 2.5	Pass
					3.85	-8.411	-0.0047	-2.5 to 2.5	Pass
					4.43	-2.260	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-5.679	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-6.666	-0.0038	-2.5 to 2.5	Pass
				-10	3.85	-7.739	-0.0044	-2.5 to 2.5	Pass
				0	3.85	-6.952	-0.0039	-2.5 to 2.5	Pass
				10	3.85	-8.097	-0.0046	-2.5 to 2.5	Pass
30				3.85	-9.356	-0.0053	-2.5 to 2.5	Pass	
40				3.85	-9.756	-0.0055	-2.5 to 2.5	Pass	
50	3.85	-11.902	-0.0067	-2.5 to 2.5	Pass				

2.4 B66_10MHz

2.4.1 Test Result

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	-8.025	-0.0047	-2.5 to 2.5	Pass
					3.85	-4.578	-0.0027	-2.5 to 2.5	Pass
					4.43	-7.238	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-5.908	-0.0034	-2.5 to 2.5	Pass
				-20	3.85	-7.539	-0.0044	-2.5 to 2.5	Pass
				-10	3.85	-6.695	-0.0039	-2.5 to 2.5	Pass
				0	3.85	-1.073	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-3.047	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-6.552	-0.0038	-2.5 to 2.5	Pass
				40	3.85	-4.406	-0.0026	-2.5 to 2.5	Pass
50	3.85	-5.322	-0.0031	-2.5 to 2.5	Pass				

	1745	50	0	20	3.27	-4.334	-0.0025	-2.5 to 2.5	Pass	
					3.85	-6.065	-0.0035	-2.5 to 2.5	Pass	
					4.43	-5.865	-0.0034	-2.5 to 2.5	Pass	
				-30	3.85	-9.298	-0.0053	-2.5 to 2.5	Pass	
					-20	3.85	-3.734	-0.0021	-2.5 to 2.5	Pass
						-10	3.85	-2.246	-0.0013	-2.5 to 2.5
				0	3.85	-0.143	-0.0001	-2.5 to 2.5	Pass	
					10	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
					30	3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
	40	3.85	-1.516	-0.0009	-2.5 to 2.5	Pass				
		50	3.85	-1.945	-0.0011	-2.5 to 2.5	Pass			
		20	3.27	-9.212	-0.0052	-2.5 to 2.5	Pass			
	3.85		-0.858	-0.0005	-2.5 to 2.5	Pass				
	4.43		-2.303	-0.0013	-2.5 to 2.5	Pass				
	-30	3.85	-2.689	-0.0015	-2.5 to 2.5	Pass				
		-20	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass			
			-10	3.85	-6.495	-0.0037	-2.5 to 2.5	Pass		
	0	3.85	-1.631	-0.0009	-2.5 to 2.5	Pass				
10		3.85	-5.078	-0.0029	-2.5 to 2.5	Pass				
30		3.85	3.233	0.0018	-2.5 to 2.5	Pass				
40	3.85	-8.068	-0.0045	-2.5 to 2.5	Pass					
	50	3.85	-4.621	-0.0026	-2.5 to 2.5	Pass				
	20	3.27	-5.193	-0.0030	-2.5 to 2.5	Pass				
3.85		-5.393	-0.0031	-2.5 to 2.5	Pass					
4.43		-7.997	-0.0047	-2.5 to 2.5	Pass					
-30	3.85	-9.084	-0.0053	-2.5 to 2.5	Pass					
	-20	3.85	-2.489	-0.0015	-2.5 to 2.5	Pass				
		-10	3.85	-3.133	-0.0018	-2.5 to 2.5	Pass			
0	3.85	-4.520	-0.0026	-2.5 to 2.5	Pass					
	10	3.85	-8.826	-0.0051	-2.5 to 2.5	Pass				
	30	3.85	-8.454	-0.0049	-2.5 to 2.5	Pass				
40	3.85	-11.930	-0.0070	-2.5 to 2.5	Pass					
	50	3.85	-11.187	-0.0065	-2.5 to 2.5	Pass				
	20	3.27	0.458	0.0003	-2.5 to 2.5	Pass				
3.85		2.017	0.0012	-2.5 to 2.5	Pass					
4.43		-5.507	-0.0032	-2.5 to 2.5	Pass					
-30	3.85	-5.293	-0.0030	-2.5 to 2.5	Pass					
	-20	3.85	-1.316	-0.0008	-2.5 to 2.5	Pass				
		-10	3.85	0.429	0.0002	-2.5 to 2.5	Pass			
0	3.85	2.332	0.0013	-2.5 to 2.5	Pass					
	10	3.85	-3.119	-0.0018	-2.5 to 2.5	Pass				
	30	3.85	0.615	0.0004	-2.5 to 2.5	Pass				
40	3.85	-4.606	-0.0026	-2.5 to 2.5	Pass					
	50	3.85	3.562	0.0020	-2.5 to 2.5	Pass				
	20	3.27	-1.702	-0.0010	-2.5 to 2.5	Pass				
3.85		-6.065	-0.0034	-2.5 to 2.5	Pass					
4.43		-6.194	-0.0035	-2.5 to 2.5	Pass					
-30	3.85	-7.682	-0.0043	-2.5 to 2.5	Pass					
	-20	3.85	-3.061	-0.0017	-2.5 to 2.5	Pass				
		-10	3.85	-5.937	-0.0033	-2.5 to 2.5	Pass			
0	3.85	-7.110	-0.0040	-2.5 to 2.5	Pass					
	10	3.85	-7.582	-0.0043	-2.5 to 2.5	Pass				
	30	3.85	-2.718	-0.0015	-2.5 to 2.5	Pass				
40	3.85	-7.181	-0.0040	-2.5 to 2.5	Pass					
	50	3.85	-7.381	-0.0042	-2.5 to 2.5	Pass				

2.5 B66_15MHz

2.5.1 Test Result

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	-5.350	-0.0031	-2.5 to 2.5	Pass
					3.85	-3.705	-0.0022	-2.5 to 2.5	Pass
					4.43	-2.975	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-4.592	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-6.938	-0.0040	-2.5 to 2.5	Pass
				-10	3.85	4.048	0.0024	-2.5 to 2.5	Pass
				0	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-5.980	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-4.692	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-5.093	-0.0030	-2.5 to 2.5	Pass
	50	3.85	-2.389	-0.0014	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	-3.033	-0.0017	-2.5 to 2.5	Pass
					3.85	-4.191	-0.0024	-2.5 to 2.5	Pass
					4.43	-7.339	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-4.163	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-10	3.85	-3.462	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-1.273	-0.0007	-2.5 to 2.5	Pass
				10	3.85	-0.601	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-0.944	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-2.375	-0.0014	-2.5 to 2.5	Pass
	50	3.85	-3.204	-0.0018	-2.5 to 2.5	Pass			
	1772.5	75	0	20	3.27	-9.499	-0.0054	-2.5 to 2.5	Pass
					3.85	0.944	0.0005	-2.5 to 2.5	Pass
					4.43	-5.021	-0.0028	-2.5 to 2.5	Pass
				-30	3.85	-4.935	-0.0028	-2.5 to 2.5	Pass
				-20	3.85	-4.835	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-4.148	-0.0023	-2.5 to 2.5	Pass
				0	3.85	-8.054	-0.0045	-2.5 to 2.5	Pass
				10	3.85	-5.021	-0.0028	-2.5 to 2.5	Pass
30				3.85	-5.050	-0.0028	-2.5 to 2.5	Pass	
40				3.85	-6.509	-0.0037	-2.5 to 2.5	Pass	
50	3.85	-6.866	-0.0039	-2.5 to 2.5	Pass				
16QAM	1717.5	75	0	20	3.27	-6.294	-0.0037	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0025	-2.5 to 2.5	Pass
					4.43	-5.822	-0.0034	-2.5 to 2.5	Pass
				-30	3.85	-4.992	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-5.636	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	-3.719	-0.0022	-2.5 to 2.5	Pass
				0	3.85	-5.150	-0.0030	-2.5 to 2.5	Pass
				10	3.85	-7.381	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-4.277	-0.0025	-2.5 to 2.5	Pass
				40	3.85	-4.835	-0.0028	-2.5 to 2.5	Pass
	50	3.85	-3.948	-0.0023	-2.5 to 2.5	Pass			
	1745	75	0	20	3.27	-5.579	-0.0032	-2.5 to 2.5	Pass
					3.85	-1.302	-0.0007	-2.5 to 2.5	Pass
					4.43	-3.934	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	0.229	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-1.531	-0.0009	-2.5 to 2.5	Pass

				-10	3.85	-5.236	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-3.791	-0.0022	-2.5 to 2.5	Pass
				10	3.85	-6.809	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-5.121	-0.0029	-2.5 to 2.5	Pass
				40	3.85	-8.068	-0.0046	-2.5 to 2.5	Pass
				50	3.85	-1.845	-0.0011	-2.5 to 2.5	Pass
	1772.5	75	0	20	3.27	-4.249	-0.0024	-2.5 to 2.5	Pass
					3.85	-4.177	-0.0024	-2.5 to 2.5	Pass
					4.43	-5.822	-0.0033	-2.5 to 2.5	Pass
				-30	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-0.787	-0.0004	-2.5 to 2.5	Pass
				-10	3.85	-3.619	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0019	-2.5 to 2.5	Pass
				10	3.85	-7.696	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-6.094	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-2.789	-0.0016	-2.5 to 2.5	Pass
				50	3.85	-7.424	-0.0042	-2.5 to 2.5	Pass

2.6 B66_20MHz

2.6.1 Test Result

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	-1.860	-0.0011	-2.5 to 2.5	Pass			
					3.85	-7.310	-0.0042	-2.5 to 2.5	Pass			
					4.43	-4.034	-0.0023	-2.5 to 2.5	Pass			
				-30	3.85	-1.144	-0.0007	-2.5 to 2.5	Pass			
				-20	3.85	-1.359	-0.0008	-2.5 to 2.5	Pass			
				-10	3.85	-5.078	-0.0030	-2.5 to 2.5	Pass			
				0	3.85	-6.294	-0.0037	-2.5 to 2.5	Pass			
				10	3.85	-5.121	-0.0030	-2.5 to 2.5	Pass			
				30	3.85	-6.580	-0.0038	-2.5 to 2.5	Pass			
				40	3.85	-4.234	-0.0025	-2.5 to 2.5	Pass			
				50	3.85	-4.964	-0.0029	-2.5 to 2.5	Pass			
				1745	100	0	20	3.27	-5.136	-0.0029	-2.5 to 2.5	Pass
								3.85	-3.676	-0.0021	-2.5 to 2.5	Pass
								4.43	-7.153	-0.0041	-2.5 to 2.5	Pass
							-30	3.85	-6.366	-0.0036	-2.5 to 2.5	Pass
	-20	3.85	-6.709				-0.0038	-2.5 to 2.5	Pass			
	-10	3.85	-7.524				-0.0043	-2.5 to 2.5	Pass			
	0	3.85	-3.033				-0.0017	-2.5 to 2.5	Pass			
	10	3.85	-5.980				-0.0034	-2.5 to 2.5	Pass			
	30	3.85	-6.809				-0.0039	-2.5 to 2.5	Pass			
	40	3.85	-4.048				-0.0023	-2.5 to 2.5	Pass			
	50	3.85	-8.383				-0.0048	-2.5 to 2.5	Pass			
	1770	100	0				20	3.27	-3.490	-0.0020	-2.5 to 2.5	Pass
								3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
								4.43	-3.748	-0.0021	-2.5 to 2.5	Pass
							-30	3.85	-1.373	-0.0008	-2.5 to 2.5	Pass
				-20	3.85	-6.752	-0.0038	-2.5 to 2.5	Pass			
				-10	3.85	-3.562	-0.0020	-2.5 to 2.5	Pass			
				0	3.85	-5.078	-0.0029	-2.5 to 2.5	Pass			
				10	3.85	-5.808	-0.0033	-2.5 to 2.5	Pass			

				30	3.85	-1.230	-0.0007	-2.5 to 2.5	Pass
				40	3.85	-2.561	-0.0014	-2.5 to 2.5	Pass
				50	3.85	-5.136	-0.0029	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.27	-7.110	-0.0041	-2.5 to 2.5	Pass
					3.85	-8.054	-0.0047	-2.5 to 2.5	Pass
					4.43	-8.583	-0.0050	-2.5 to 2.5	Pass
				-30	3.85	-3.605	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-5.350	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-6.094	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-3.991	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-10.314	-0.0060	-2.5 to 2.5	Pass
				30	3.85	-7.267	-0.0042	-2.5 to 2.5	Pass
				40	3.85	-4.792	-0.0028	-2.5 to 2.5	Pass
				50	3.85	-10.357	-0.0060	-2.5 to 2.5	Pass
				1745	100	0	20	3.27	-4.306
	3.85	-4.063	-0.0023					-2.5 to 2.5	Pass
	4.43	-6.623	-0.0038					-2.5 to 2.5	Pass
	-30	3.85	-2.160				-0.0012	-2.5 to 2.5	Pass
	-20	3.85	-8.769				-0.0050	-2.5 to 2.5	Pass
	-10	3.85	-4.234				-0.0024	-2.5 to 2.5	Pass
	0	3.85	-10.557				-0.0060	-2.5 to 2.5	Pass
	10	3.85	-2.818				-0.0016	-2.5 to 2.5	Pass
	30	3.85	0.415				0.0002	-2.5 to 2.5	Pass
	40	3.85	-6.452				-0.0037	-2.5 to 2.5	Pass
	50	3.85	-4.878				-0.0028	-2.5 to 2.5	Pass
	1770	100	0				20	3.27	0.029
				3.85	-3.791	-0.0021		-2.5 to 2.5	Pass
				4.43	-0.386	-0.0002		-2.5 to 2.5	Pass
				-30	3.85	-4.234	-0.0024	-2.5 to 2.5	Pass
				-20	3.85	-2.160	-0.0012	-2.5 to 2.5	Pass
				-10	3.85	-2.861	-0.0016	-2.5 to 2.5	Pass
				0	3.85	-5.822	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-4.377	-0.0025	-2.5 to 2.5	Pass
30				3.85	-1.731	-0.0010	-2.5 to 2.5	Pass	
40				3.85	-2.275	-0.0013	-2.5 to 2.5	Pass	
50				3.85	-1.674	-0.0009	-2.5 to 2.5	Pass	

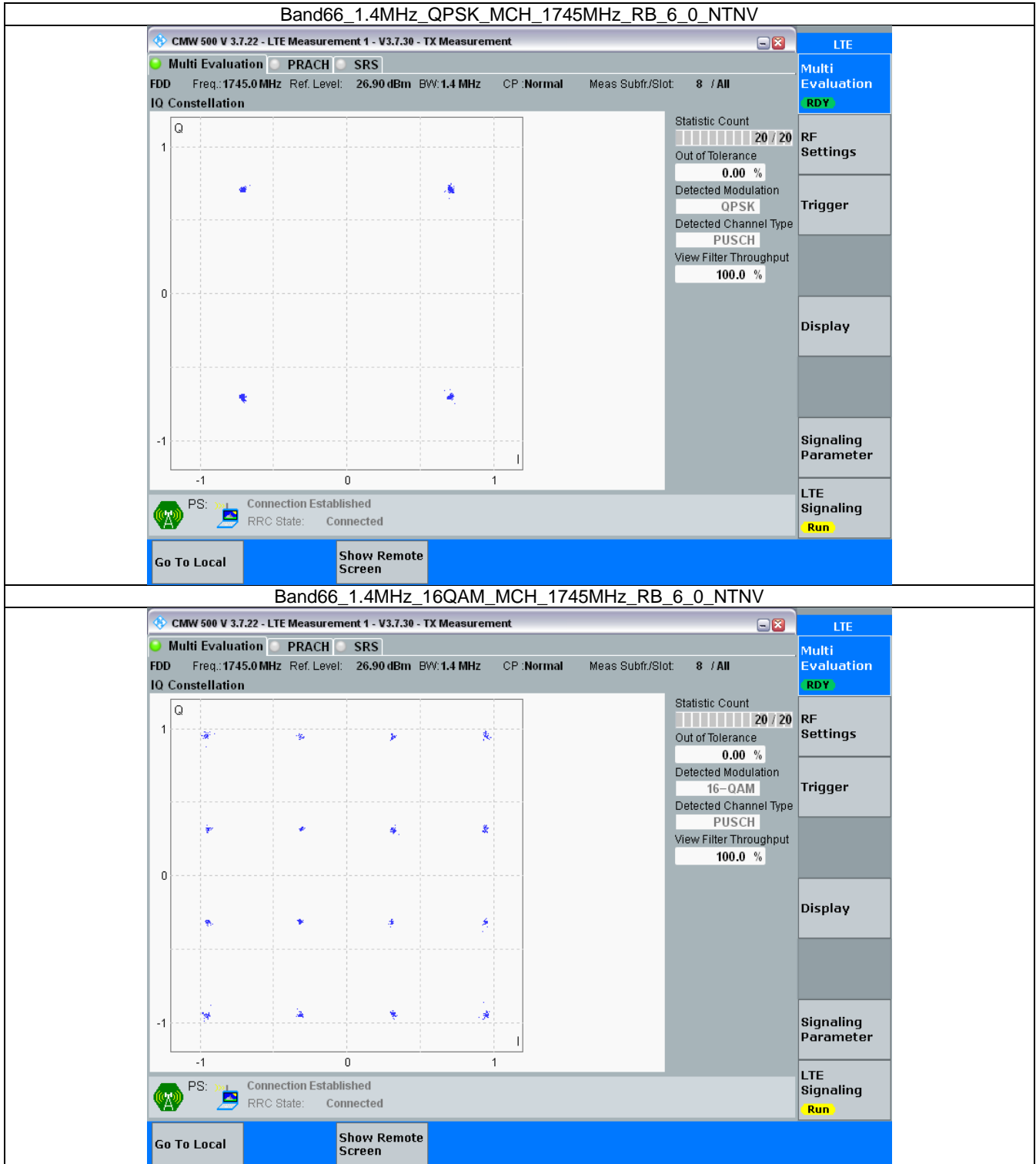
3. Modulation Characteristics

3.1 B66_1.4MHz

3.1.1 Test Result

Band: 66 / Bandwidth: 1.4MHz / NTVN						
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 Test Graph

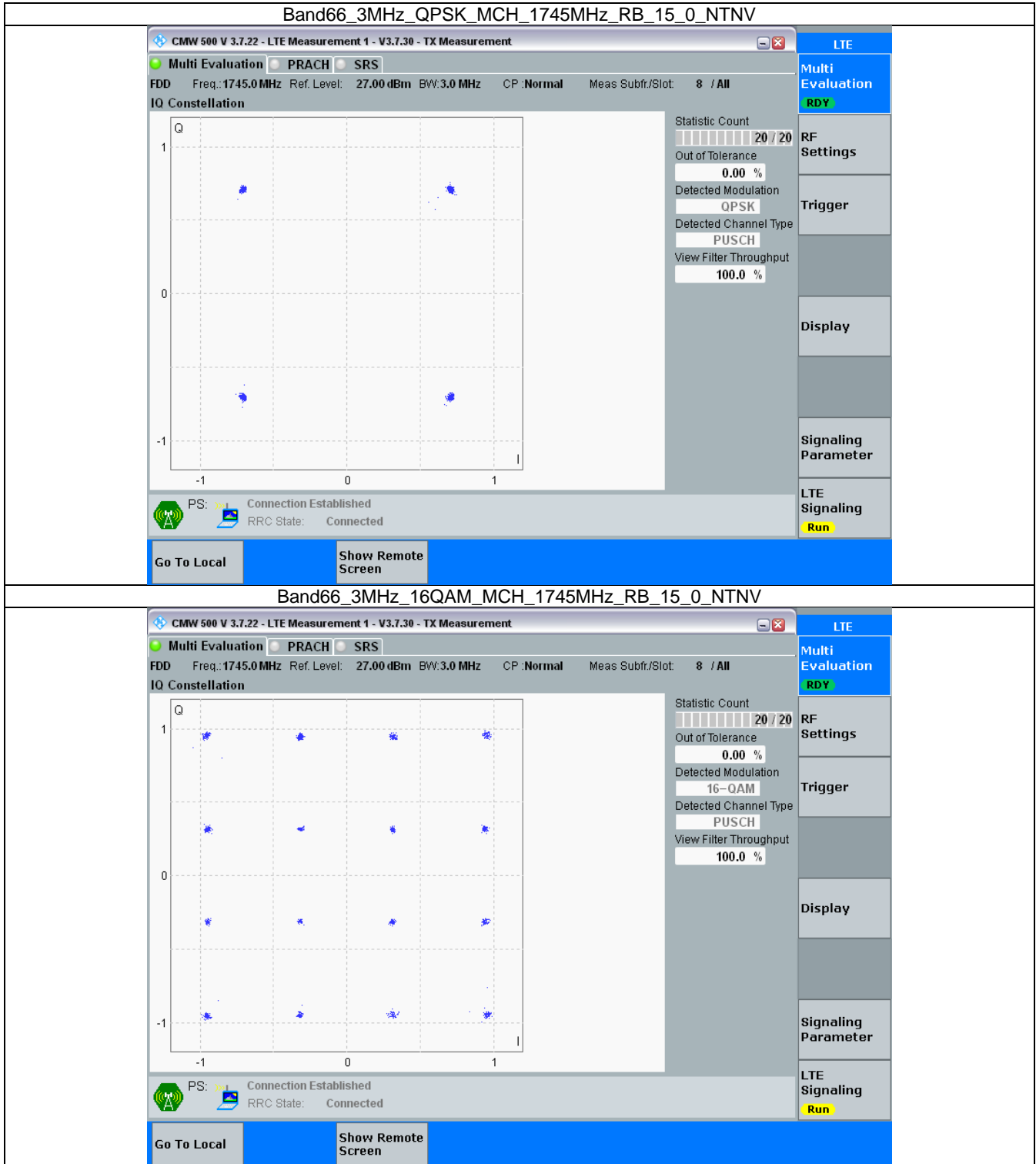


3.2 B66_3MHz

3.2.1 Test Result

Band: 66 / Bandwidth: 3MHz / NTV						
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

3.2.2 Test Graph

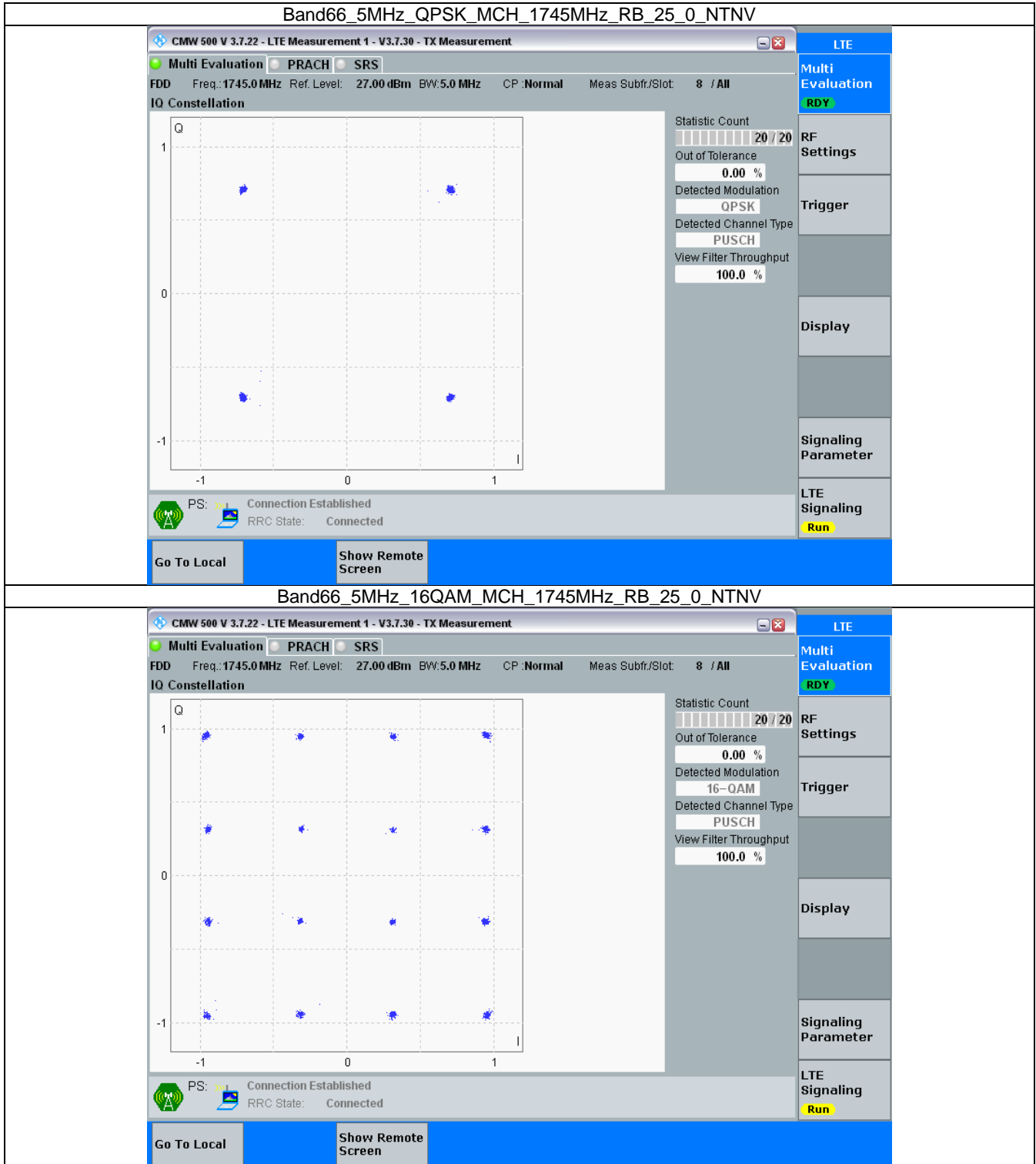


3.3 B66_5MHz

3.3.1 Test Result

Band: 66 / Bandwidth: 5MHz / NTV						
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

3.3.2 Test Graph

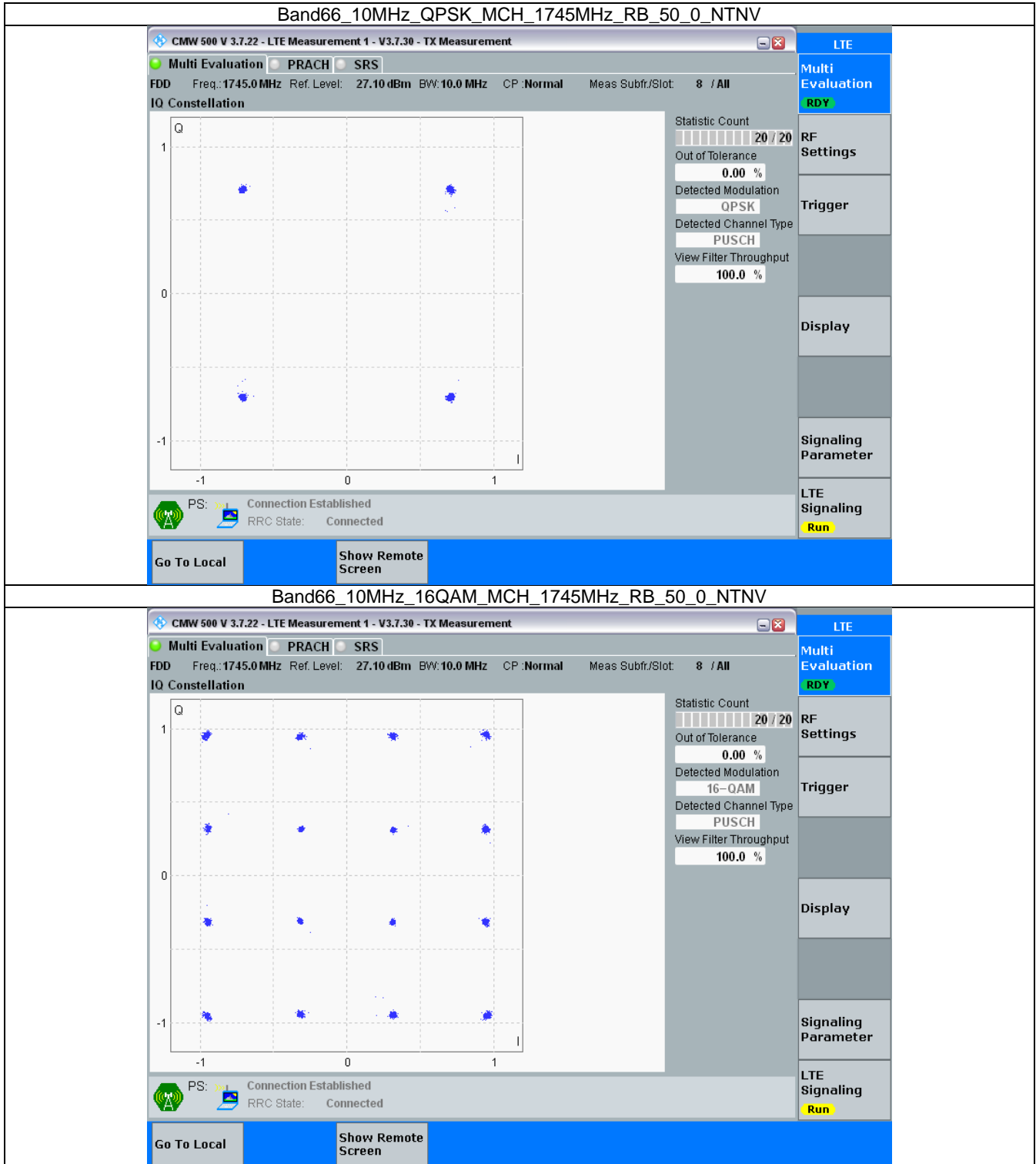


3.4 B66_10MHz

3.4.1 Test Result

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

3.4.2 Test Graph

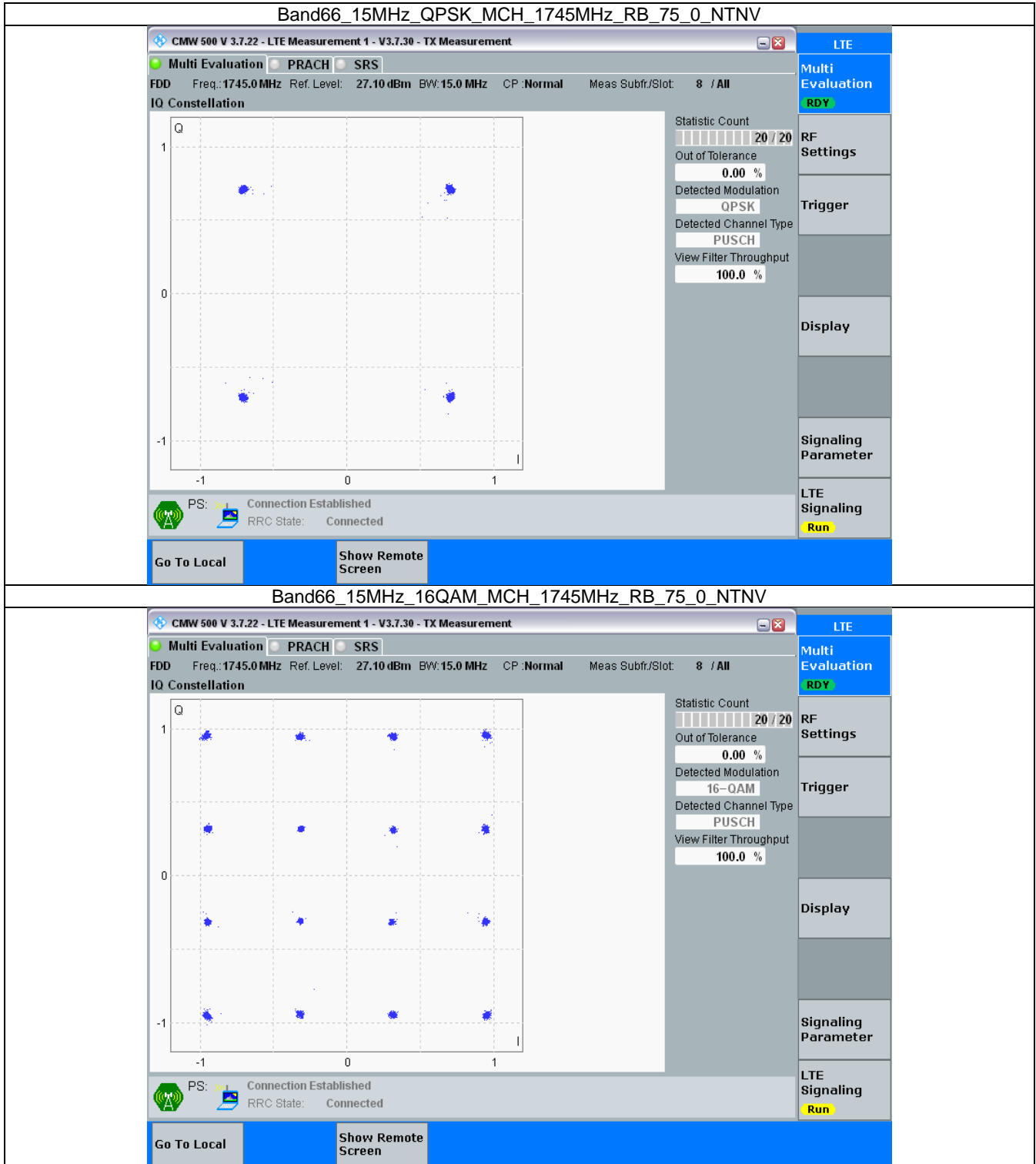


3.5 B66_15MHz

3.5.1 Test Result

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

3.5.2 Test Graph



3.6 B66_20MHz

3.6.1 Test Result

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

3.6.2 Test Graph

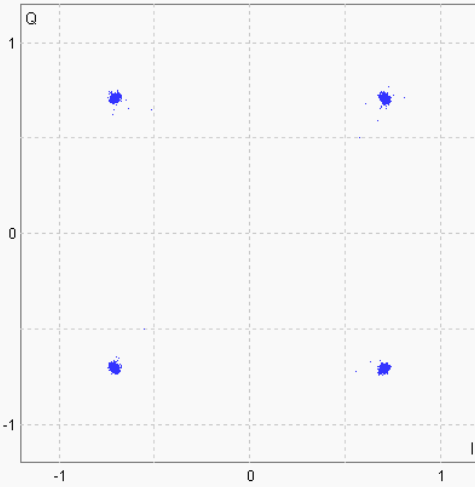
Band66_20MHz_QPSK_MCH_1745MHz_RB_100_0_NTNV

CMW 500 V 3.7.22 - LTE Measurement 1 - V3.7.30 - TX Measurement
LTE

Multi Evaluation
PRACH
SRS

FDD
Freq.: 1745.0 MHz
Ref. Level: 27.30 dBm
BW: 20.0 MHz
CP: Normal
Meas Subfr./Slot: 8 / All

IQ Constellation



Statistic Count
20 / 20

Out of Tolerance
0.00 %

Detected Modulation
QPSK

Detected Channel Type
PUSCH

View Filter Throughput
100.0 %

LTE

Multi Evaluation

RDY

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling

Run

PS: Connection Established

RRC State: Connected

Go To Local
Show Remote Screen

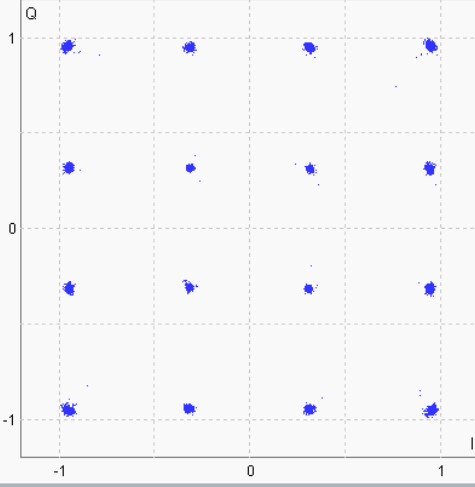
Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV

CMW 500 V 3.7.22 - LTE Measurement 1 - V3.7.30 - TX Measurement
LTE

Multi Evaluation
PRACH
SRS

FDD
Freq.: 1745.0 MHz
Ref. Level: 27.30 dBm
BW: 20.0 MHz
CP: Normal
Meas Subfr./Slot: 8 / All

IQ Constellation



Statistic Count
20 / 20

Out of Tolerance
0.00 %

Detected Modulation
16-QAM

Detected Channel Type
PUSCH

View Filter Throughput
100.0 %

LTE

Multi Evaluation

RDY

RF Settings

Trigger

Display

Signaling Parameter

LTE Signaling

Run

PS: Connection Established

RRC State: Connected

Go To Local
Show Remote Screen

Page 25 / 208

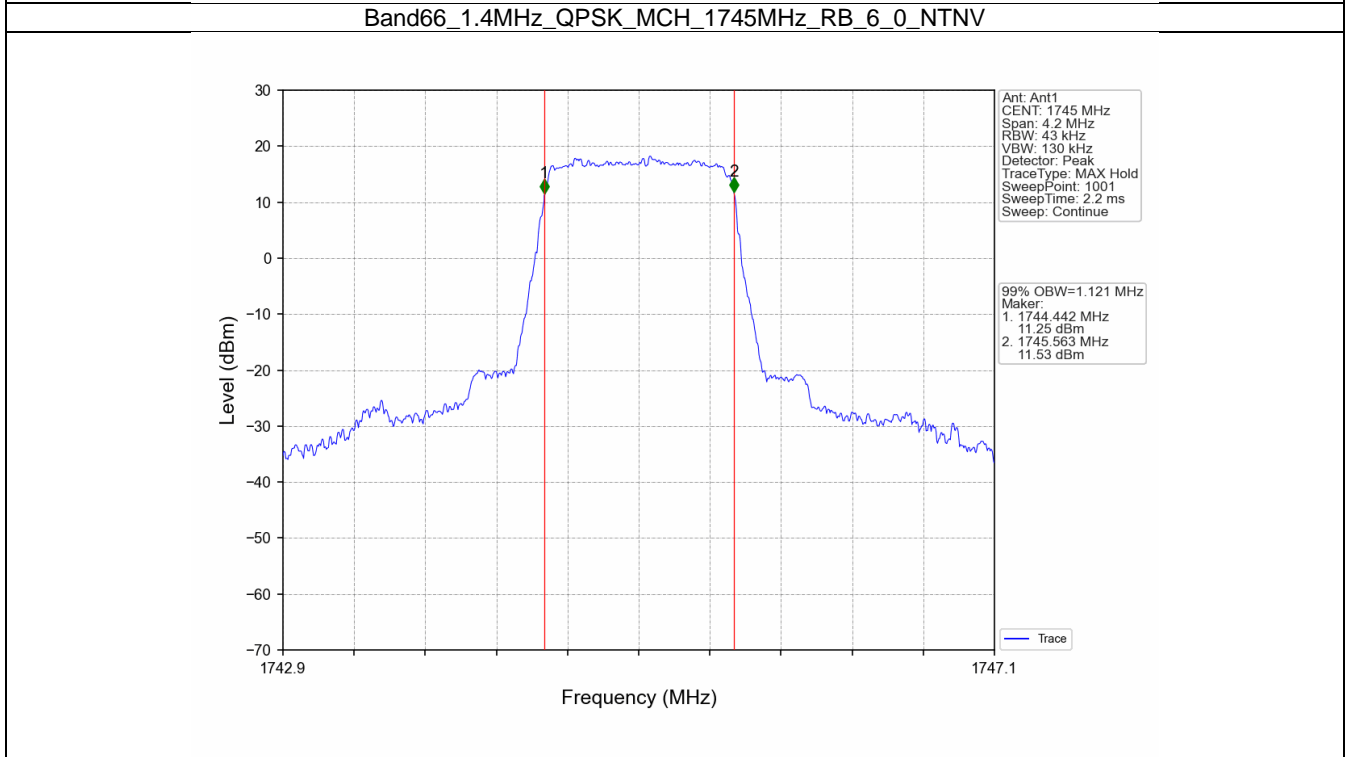
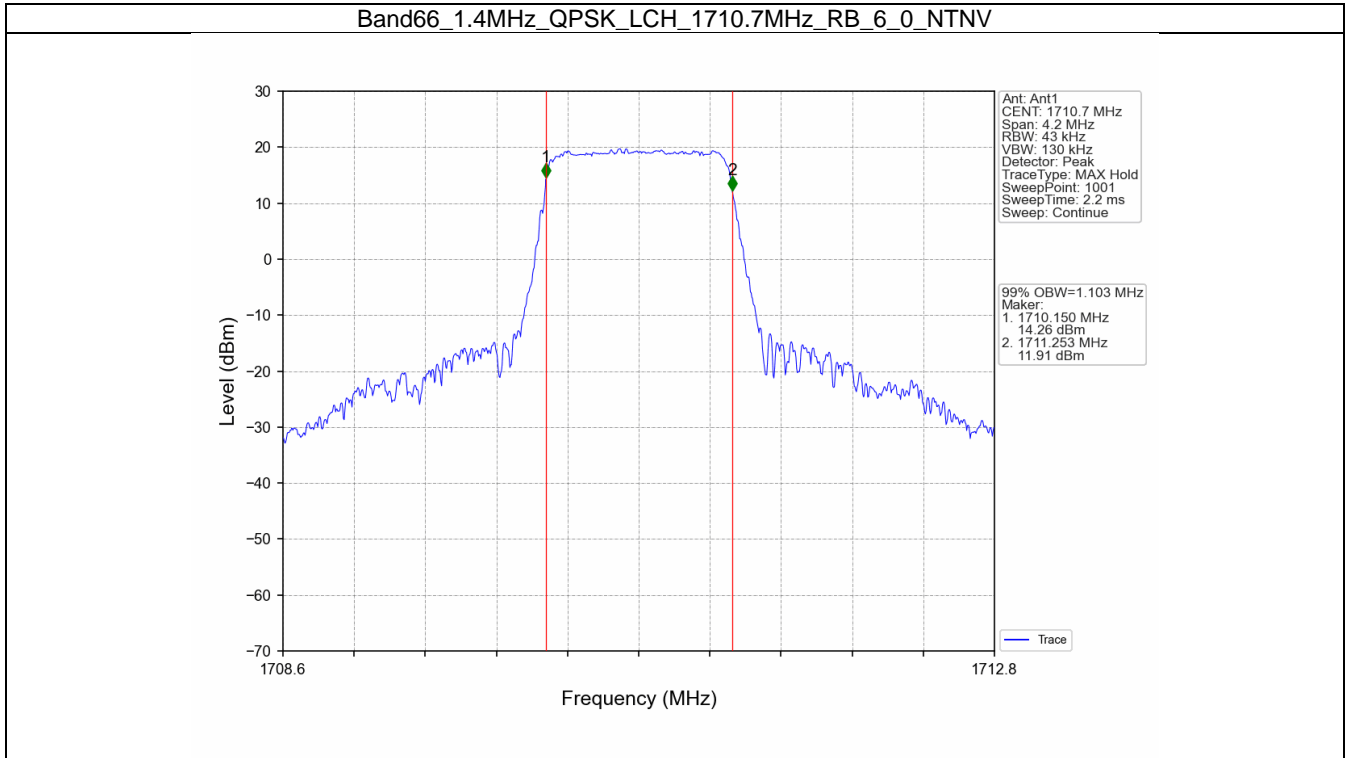
4. 99% & 26dB Bandwidth

4.1 Band66_OBW

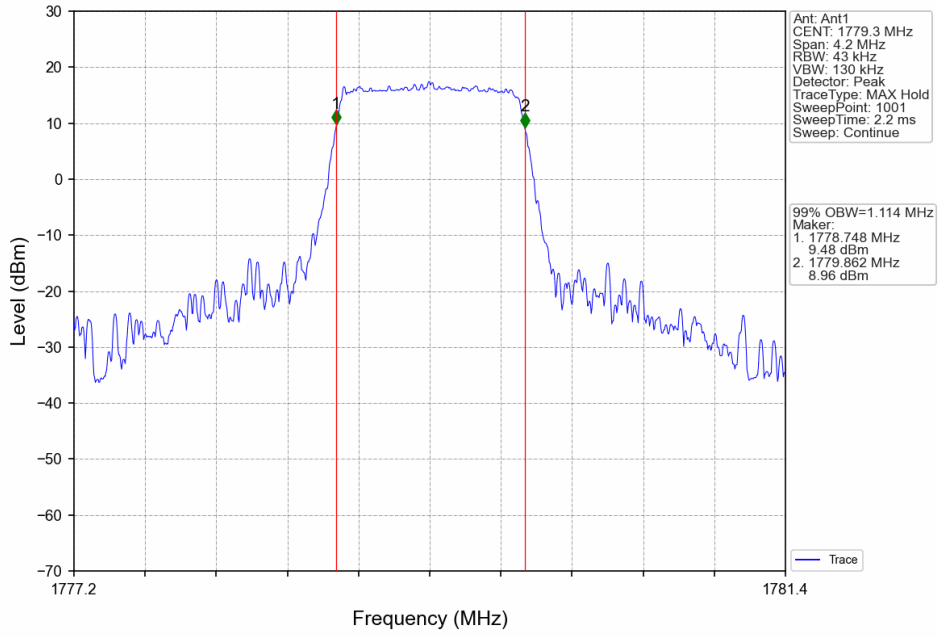
4.1.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.103	Pass
		1745	6	0	1.121	Pass
		1779.3	6	0	1.114	Pass
	16QAM	1710.7	6	0	1.112	Pass
		1745	6	0	1.105	Pass
		1779.3	6	0	1.108	Pass
3	QPSK	1711.5	15	0	2.720	Pass
		1745	15	0	2.724	Pass
		1778.5	15	0	2.723	Pass
	16QAM	1711.5	15	0	2.723	Pass
		1745	15	0	2.716	Pass
		1778.5	15	0	2.726	Pass
5	QPSK	1712.5	25	0	4.560	Pass
		1745	25	0	4.561	Pass
		1777.5	25	0	4.588	Pass
	16QAM	1712.5	25	0	4.569	Pass
		1745	25	0	4.584	Pass
		1777.5	25	0	4.572	Pass
10	QPSK	1715	50	0	9.048	Pass
		1745	50	0	9.084	Pass
		1775	50	0	9.108	Pass
	16QAM	1715	50	0	9.039	Pass
		1745	50	0	9.077	Pass
		1775	50	0	9.098	Pass
15	QPSK	1717.5	75	0	13.562	Pass
		1745	75	0	13.603	Pass
		1772.5	75	0	13.608	Pass
	16QAM	1717.5	75	0	13.564	Pass
		1745	75	0	13.641	Pass
		1772.5	75	0	13.672	Pass
20	QPSK	1720	100	0	18.108	Pass
		1745	100	0	18.121	Pass
		1770	100	0	18.144	Pass
	16QAM	1720	100	0	18.058	Pass
		1745	100	0	18.160	Pass
		1770	100	0	18.214	Pass

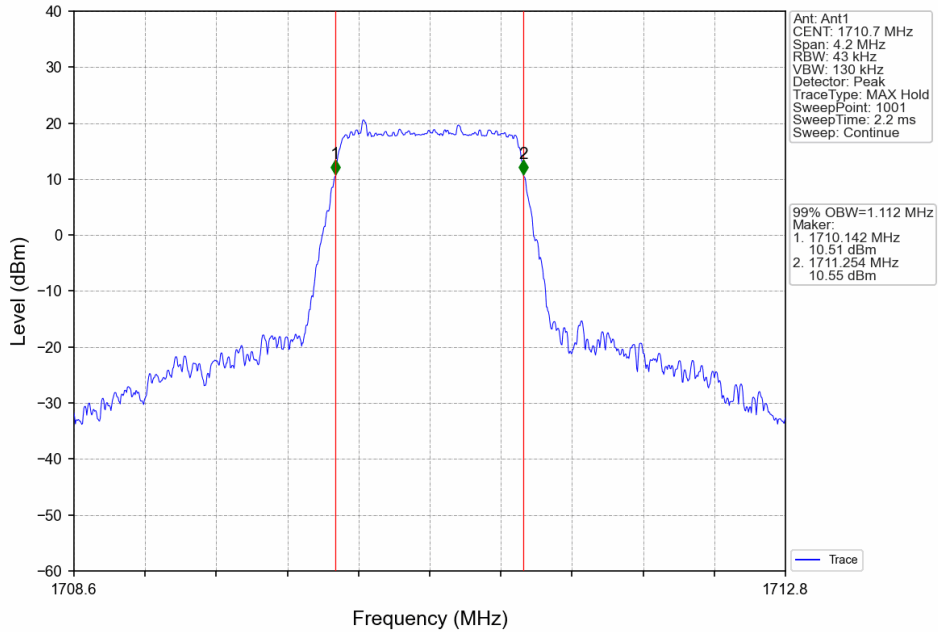
4.1.2 Test Graph



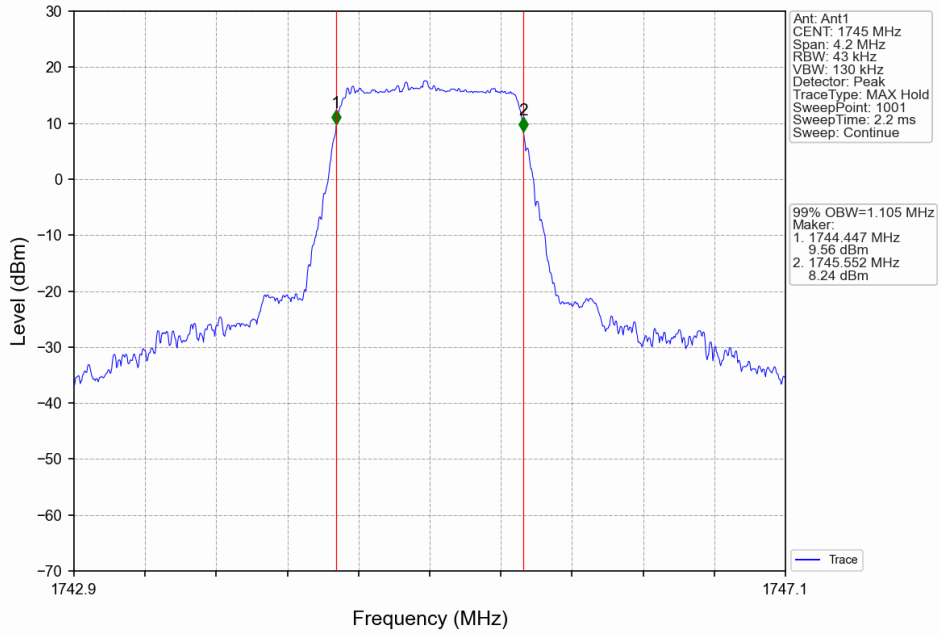
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



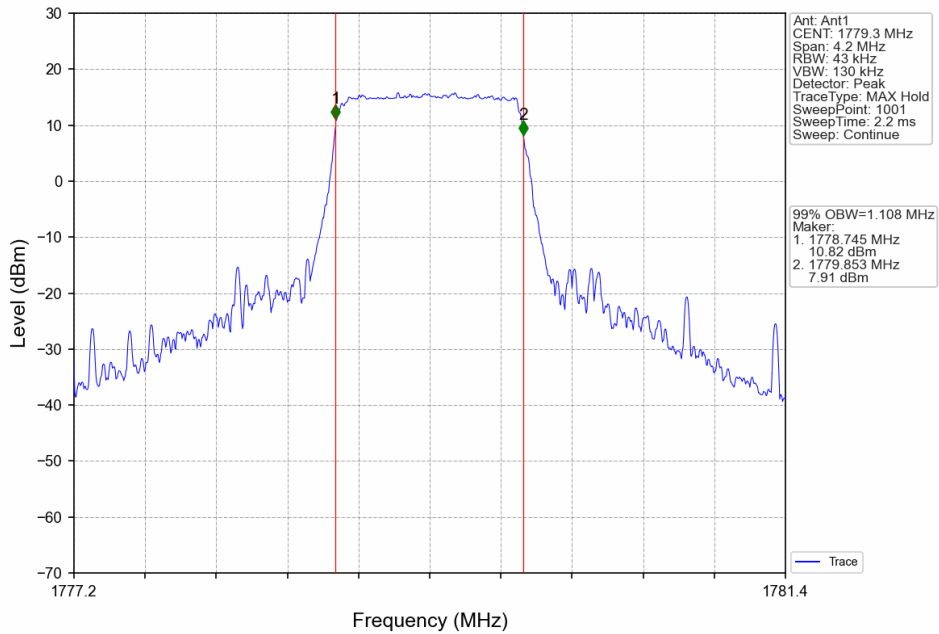
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



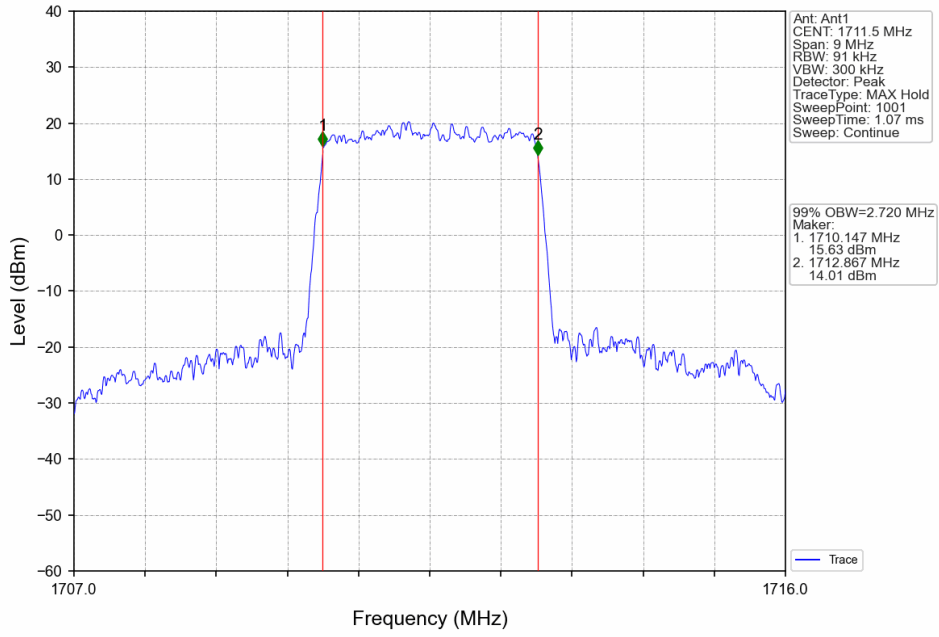
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



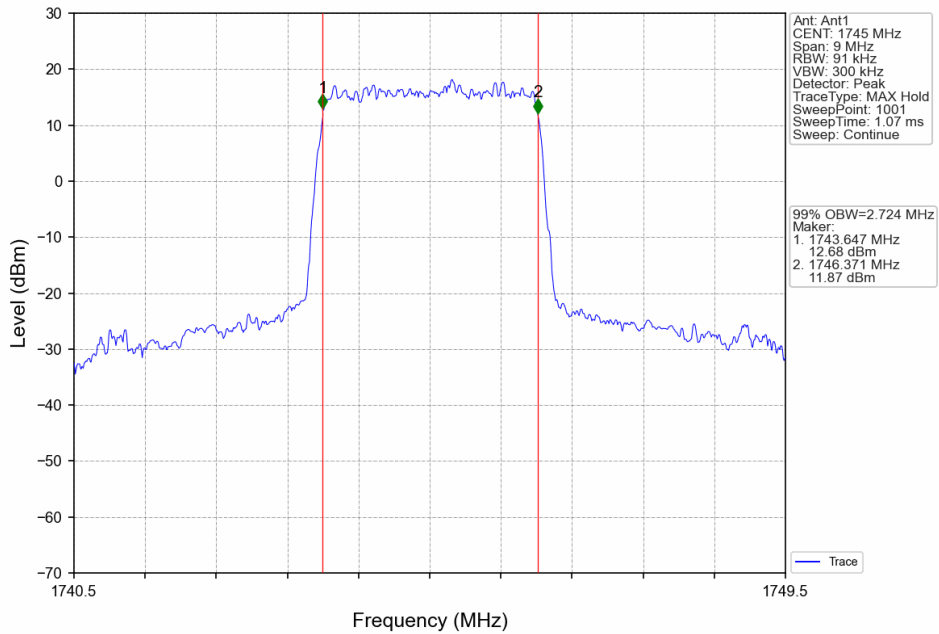
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



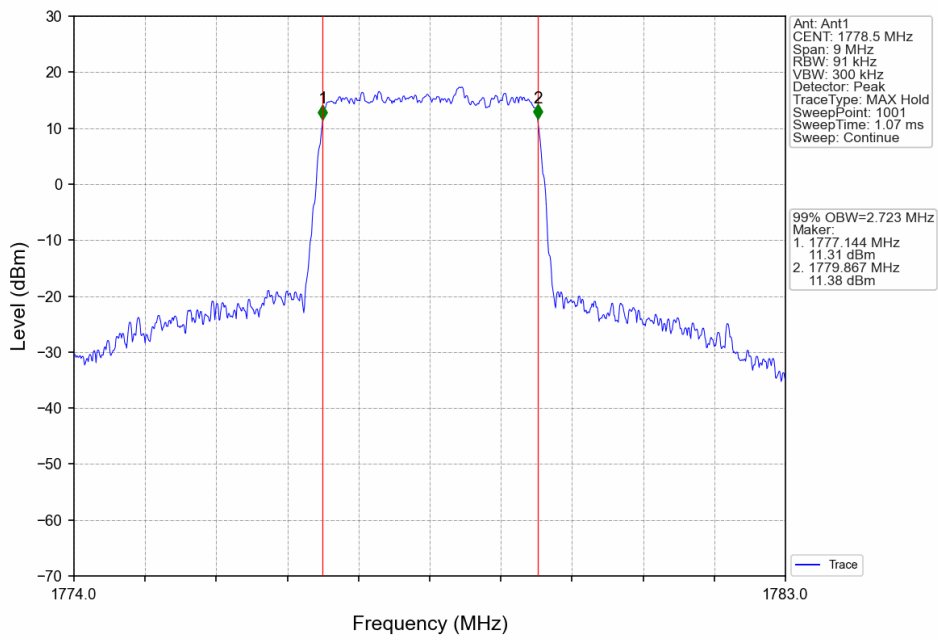
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



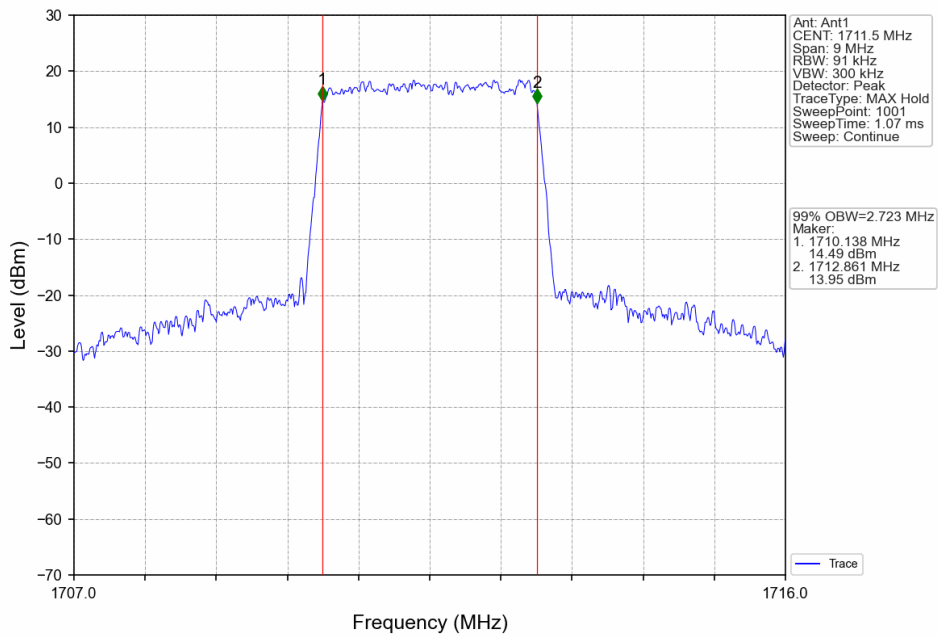
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



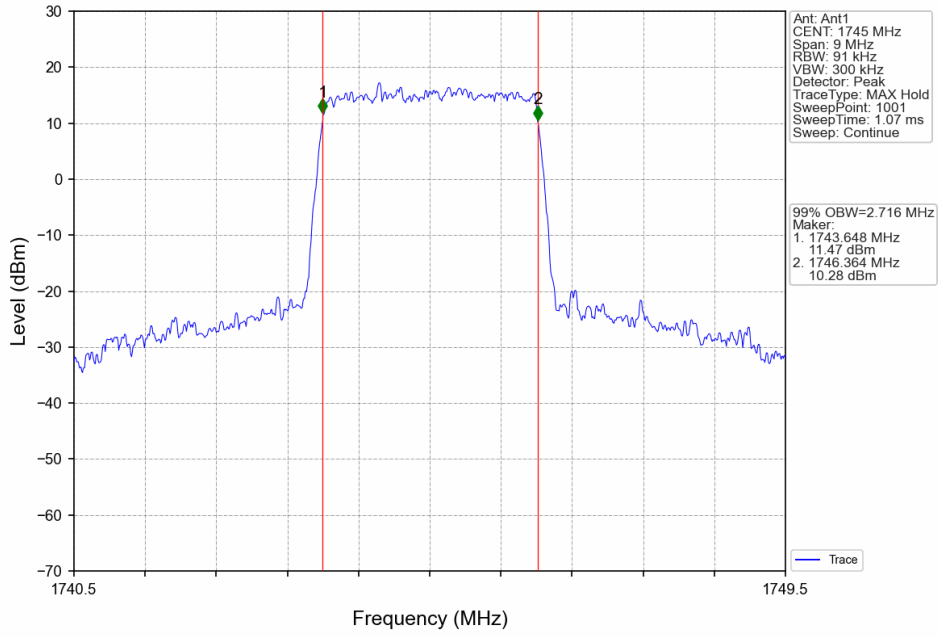
Band66_3MHz_QPSK_HCH_1778.5MHz_RB_15_0_NTNV



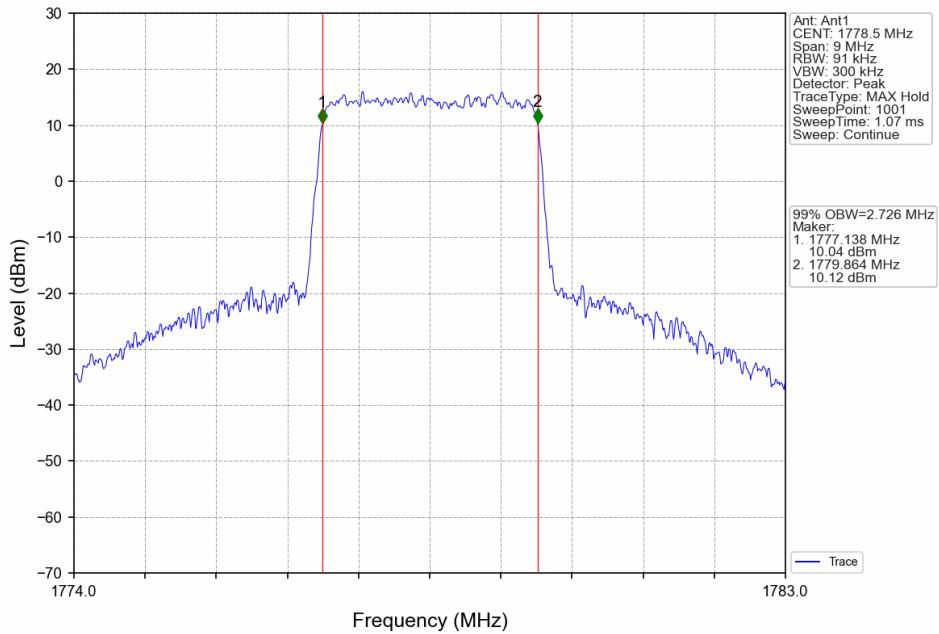
Band66_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



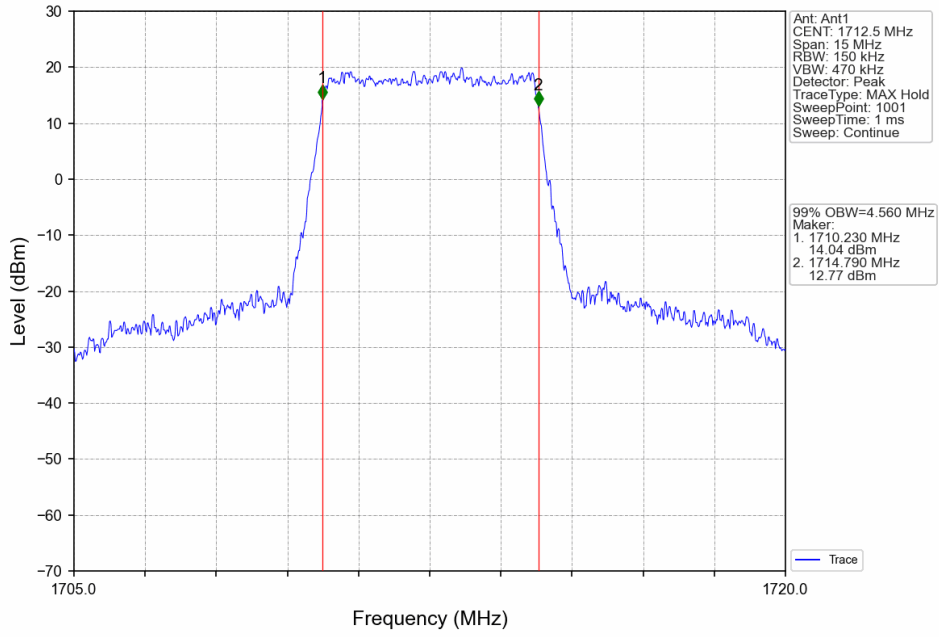
Band66_3MHz_16QAM_MCH_1745MHz_RB_15_0_NTNV



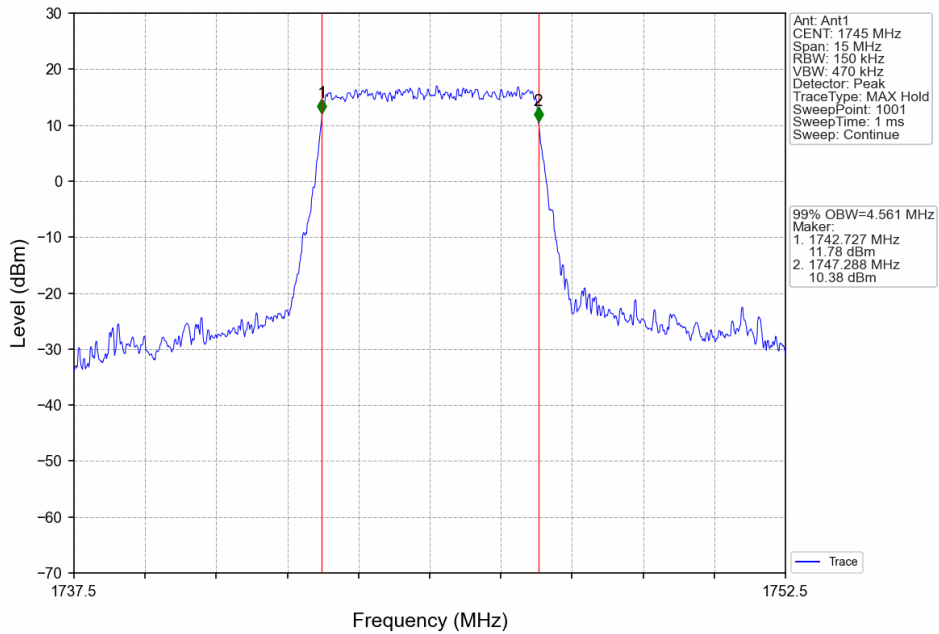
Band66_3MHz_16QAM_HCH_1778.5MHz_RB_15_0_NTNV



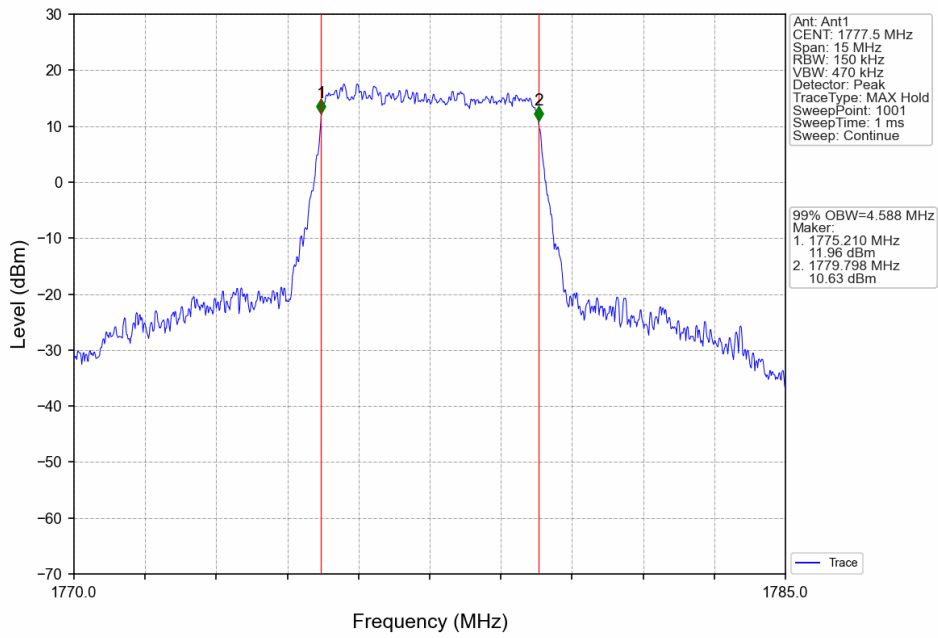
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



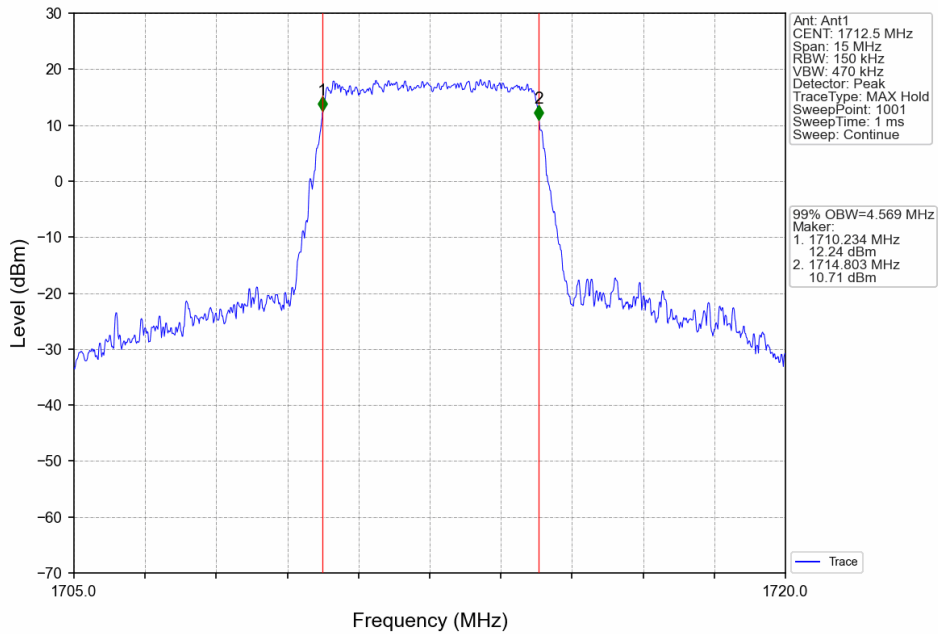
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



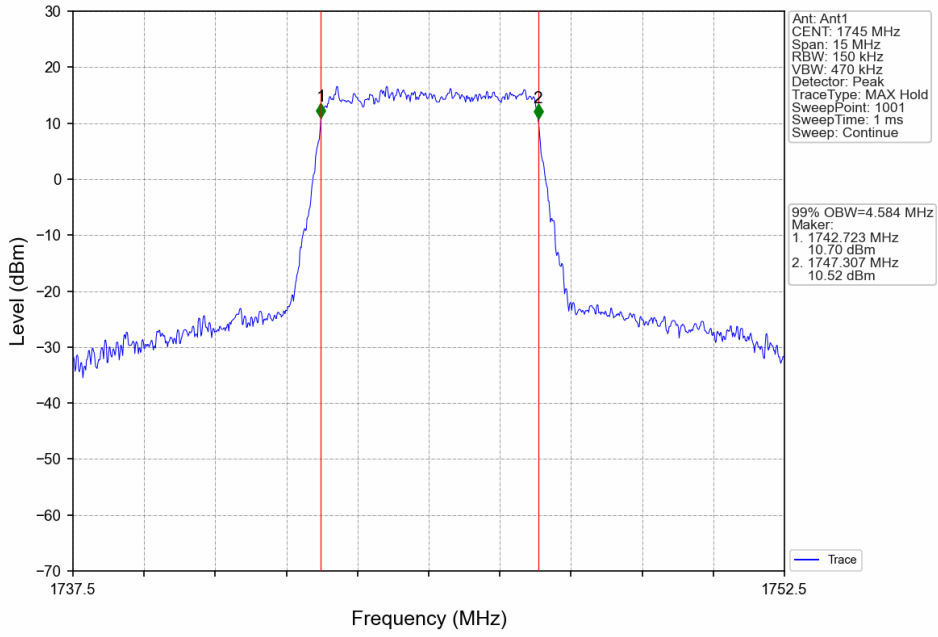
Band66_5MHz_QPSK_HCH_1777.5MHz_RB_25_0_NTNV



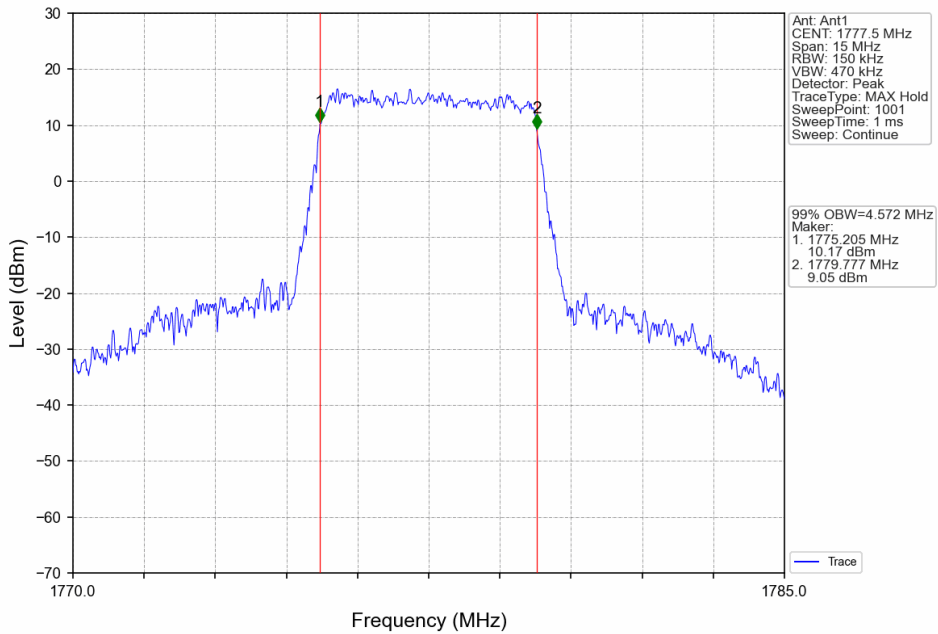
Band66_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV



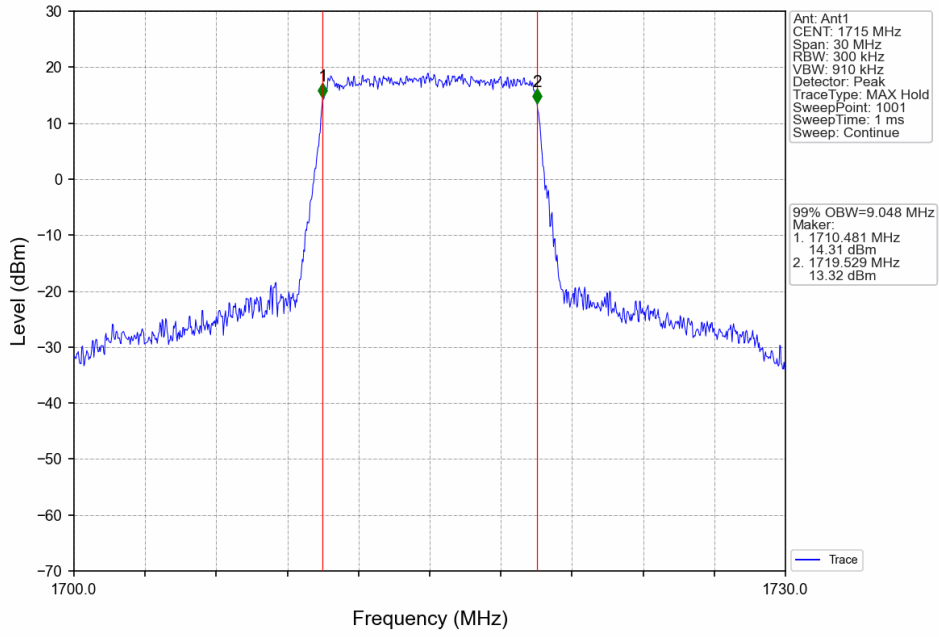
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



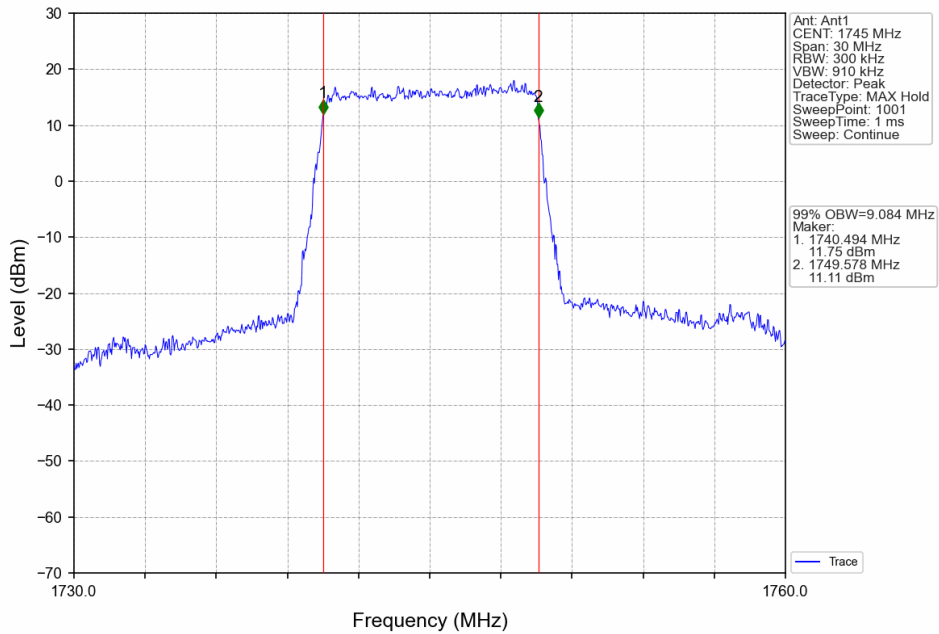
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



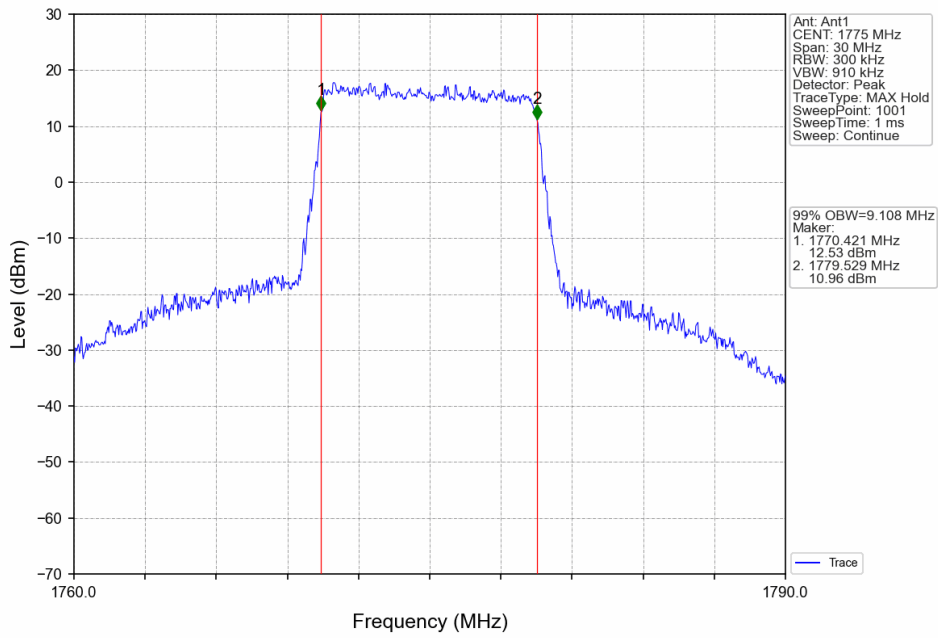
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



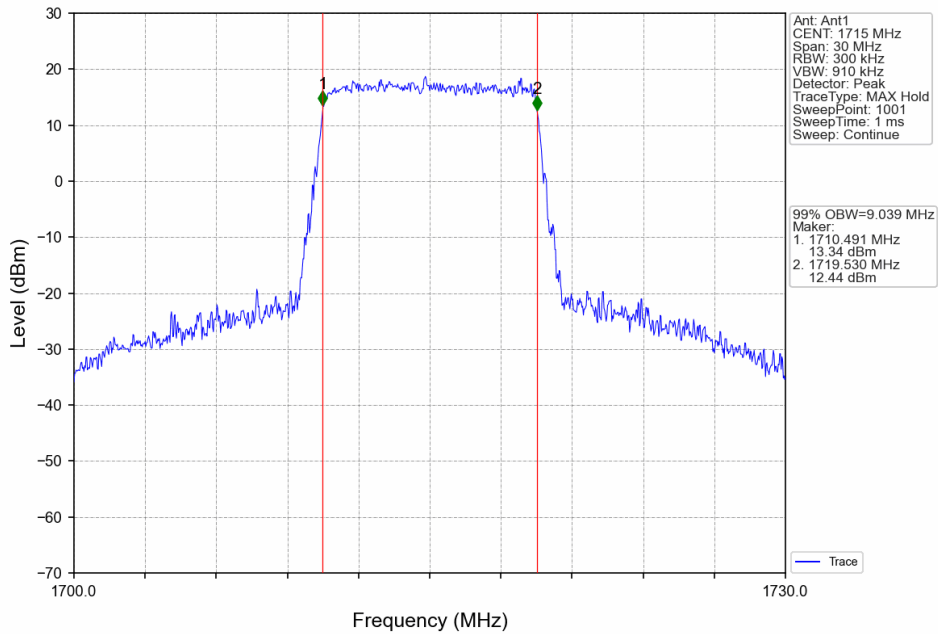
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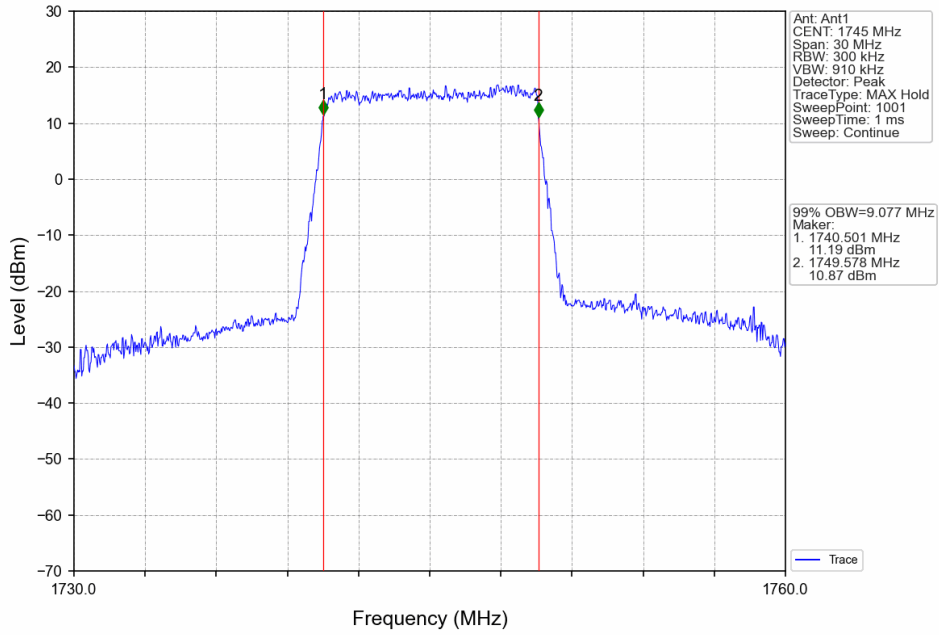
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



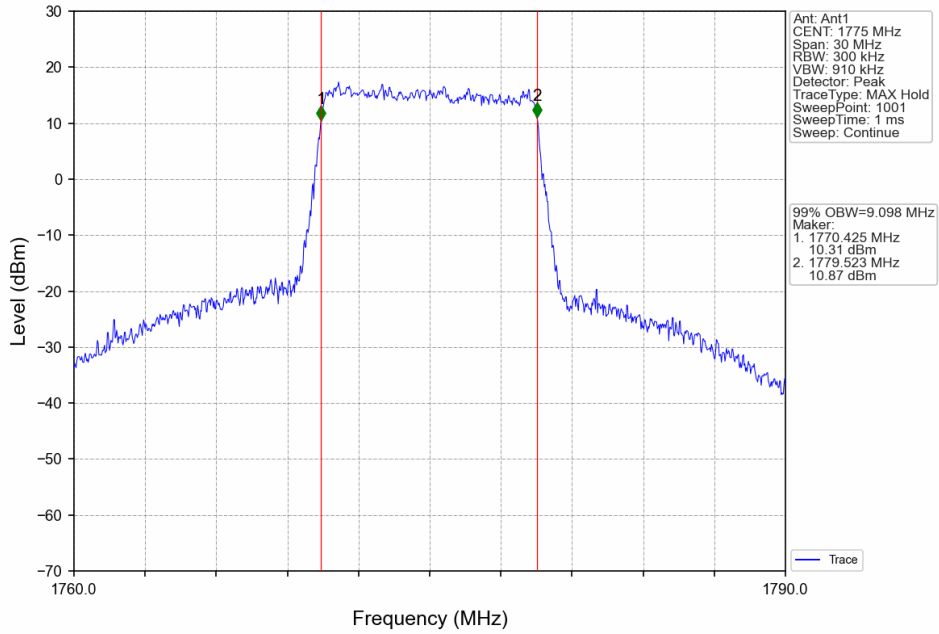
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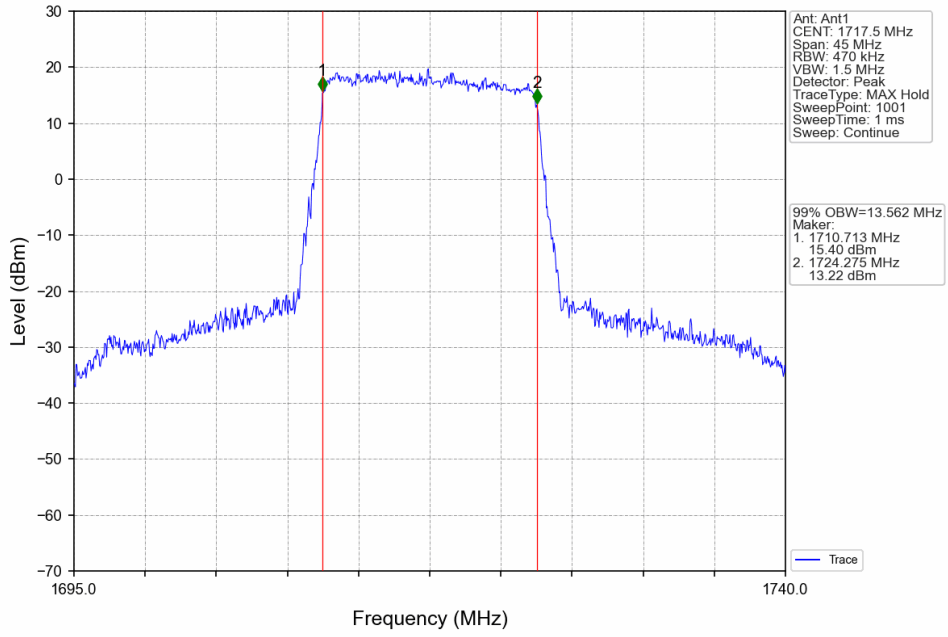
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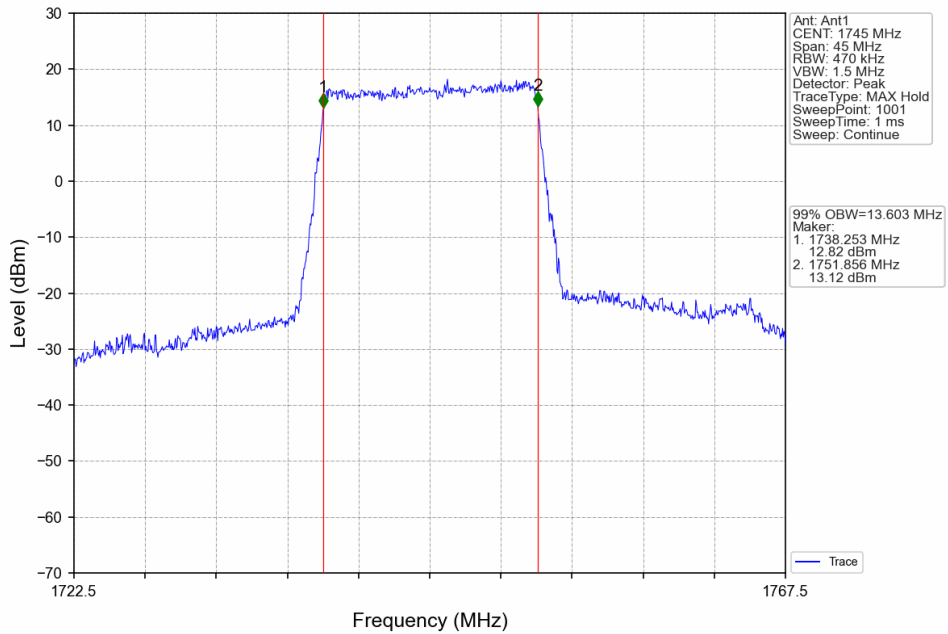
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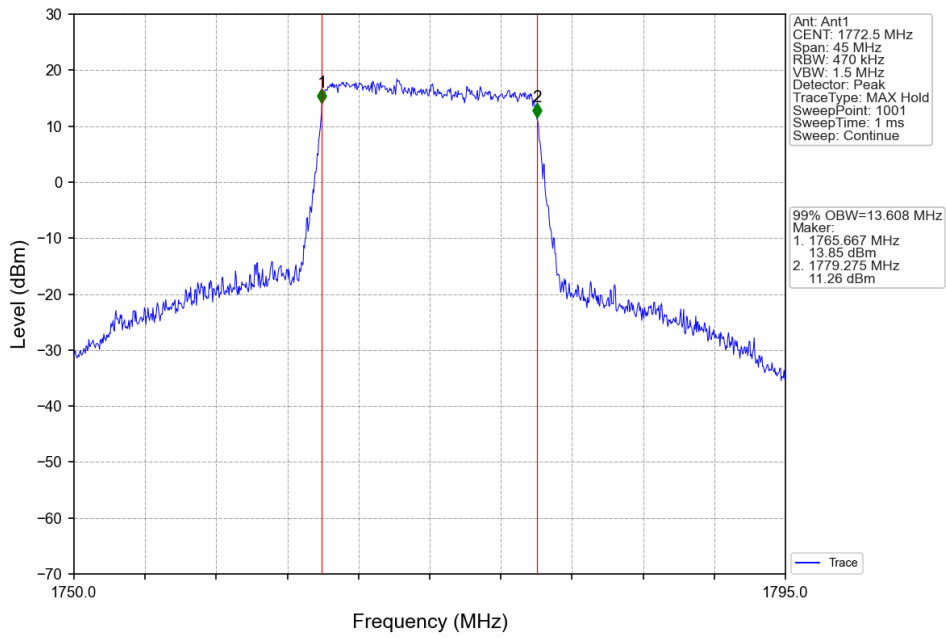
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



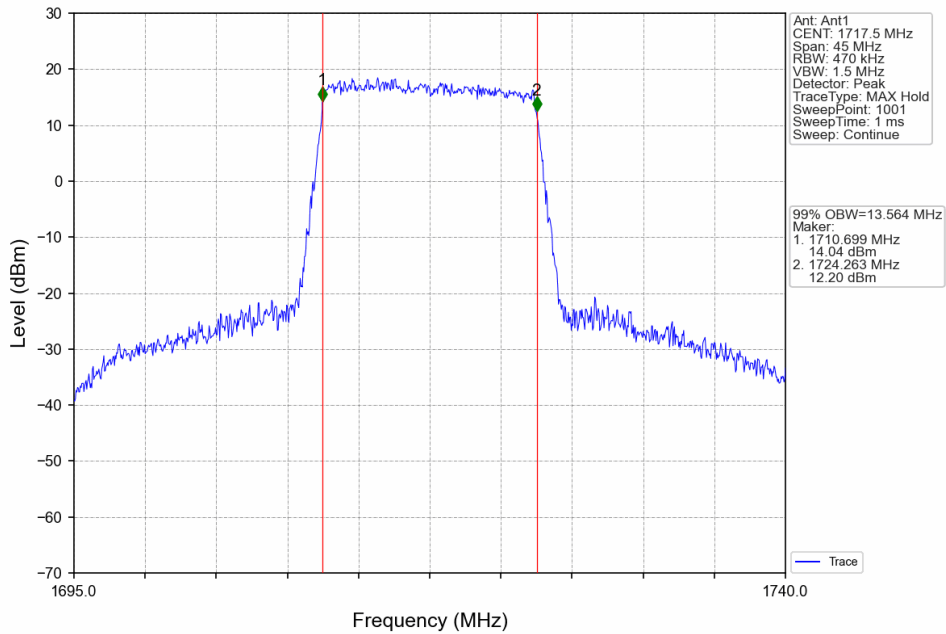
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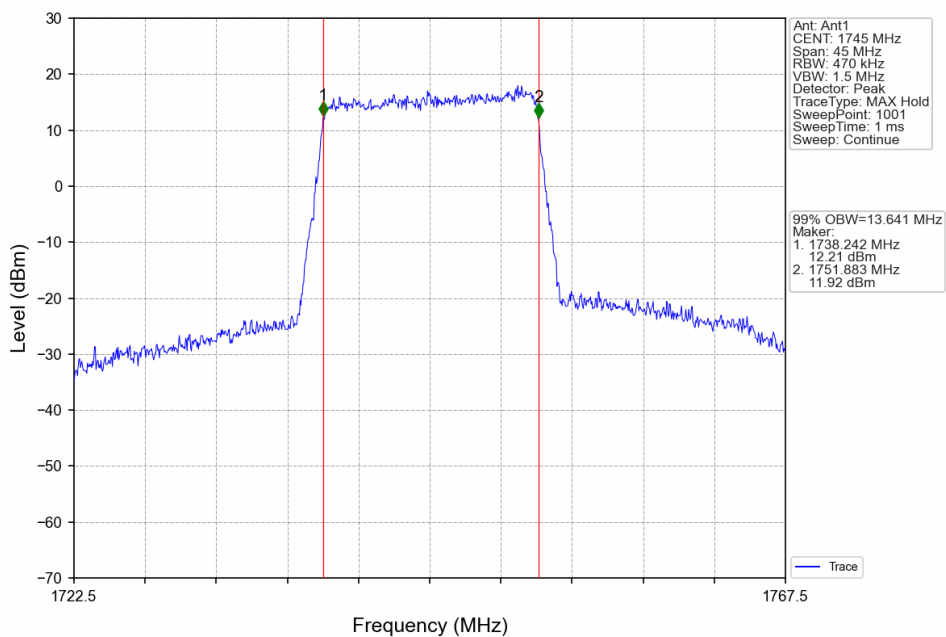
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



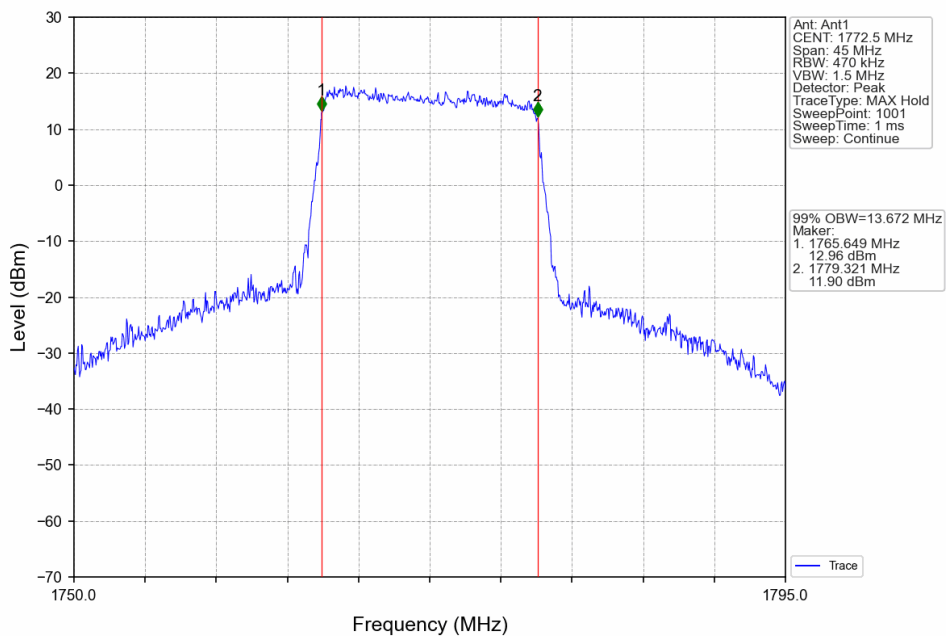
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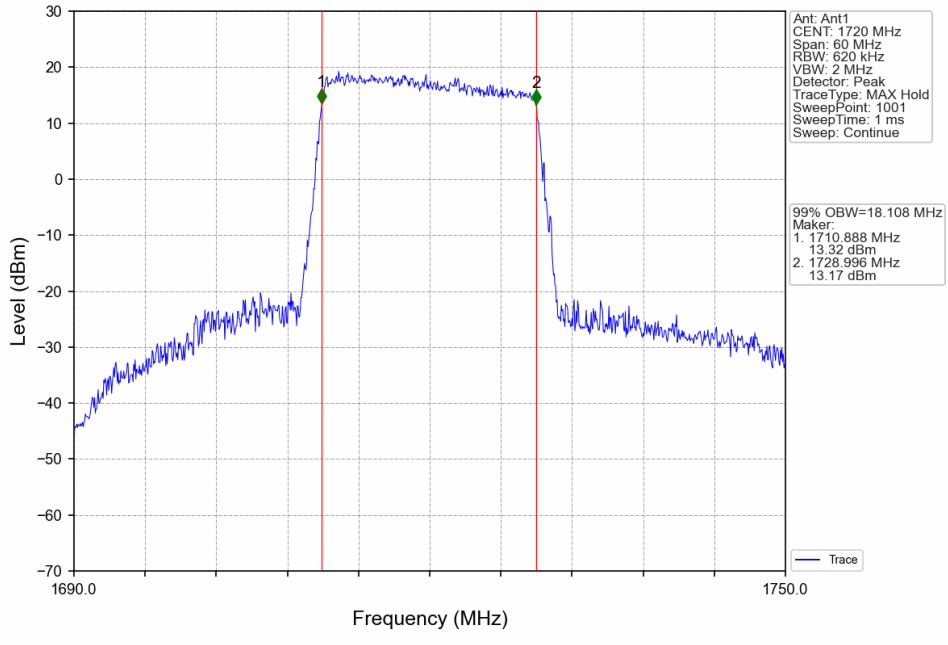
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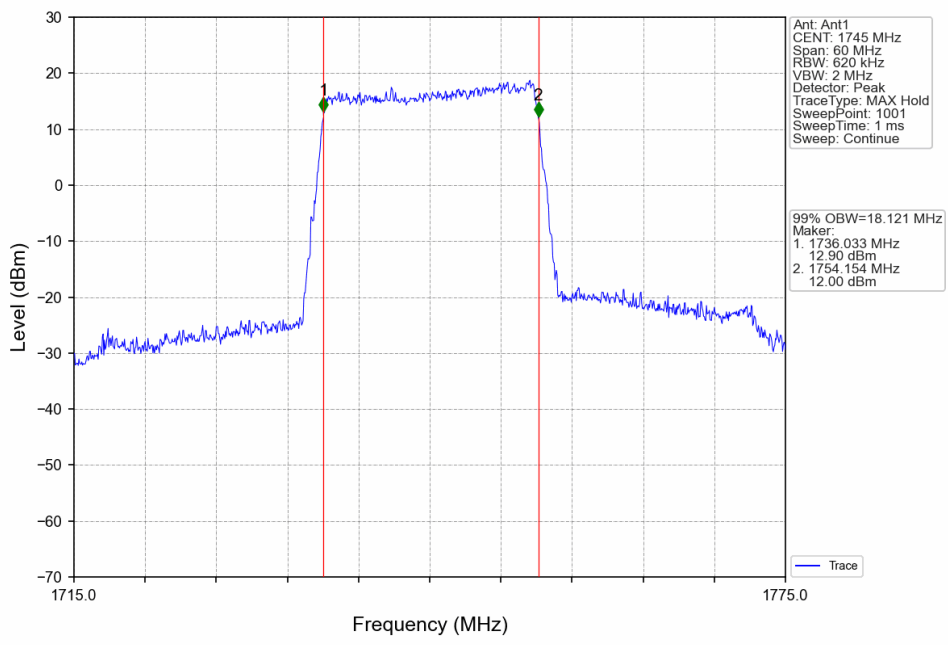
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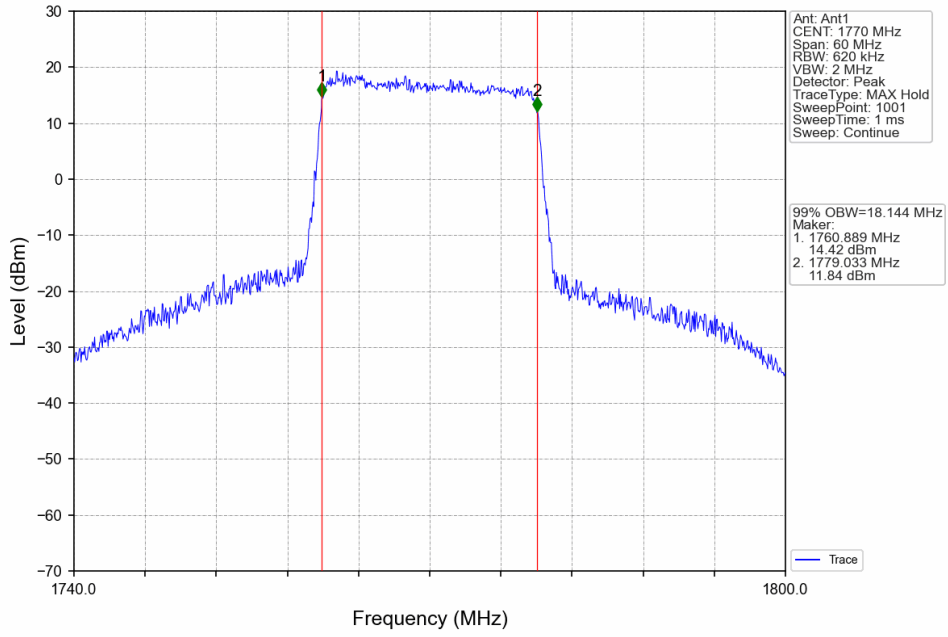
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



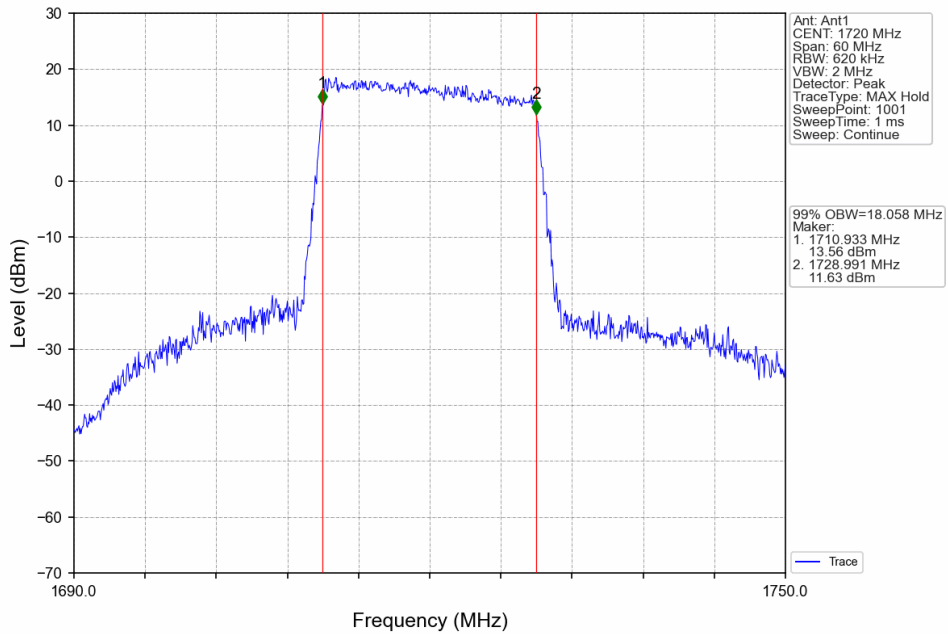
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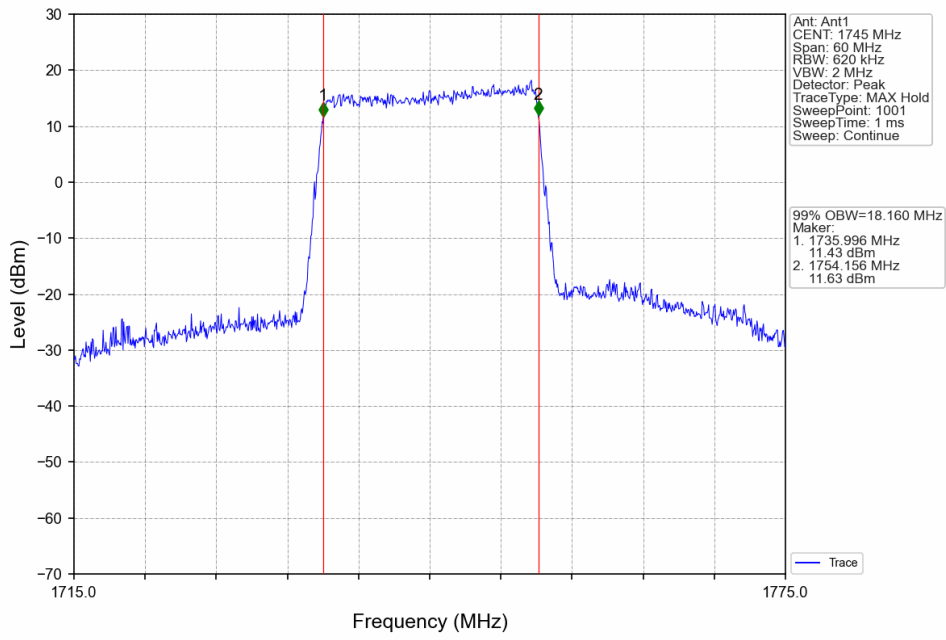
Band66_20MHz_QPSK_HCH_1770MHz_RB_100_0_NTNV



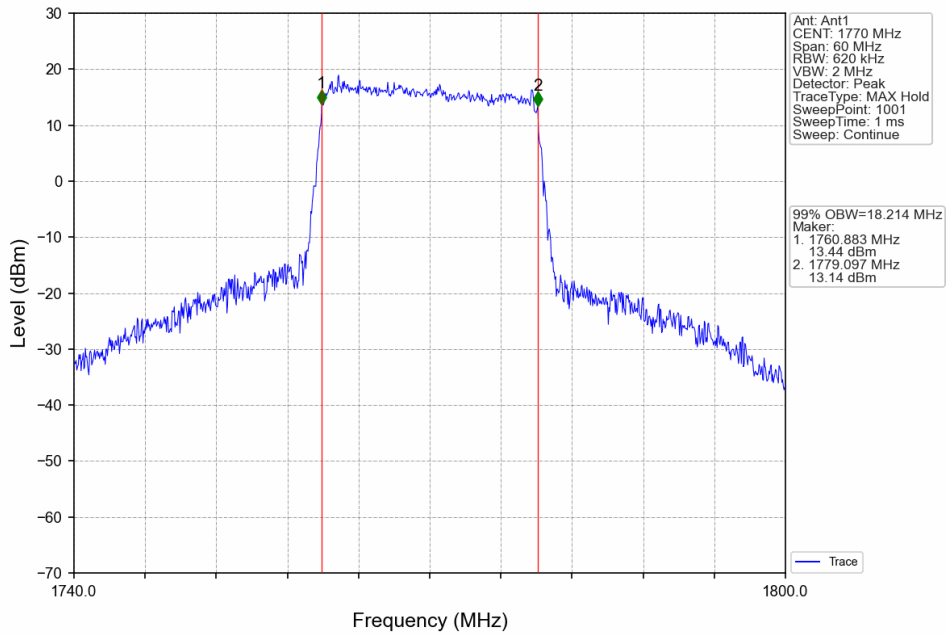
Band66_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_MCH_1745MHz_RB_100_0_NTNV



Band66_20MHz_16QAM_HCH_1770MHz_RB_100_0_NTNV

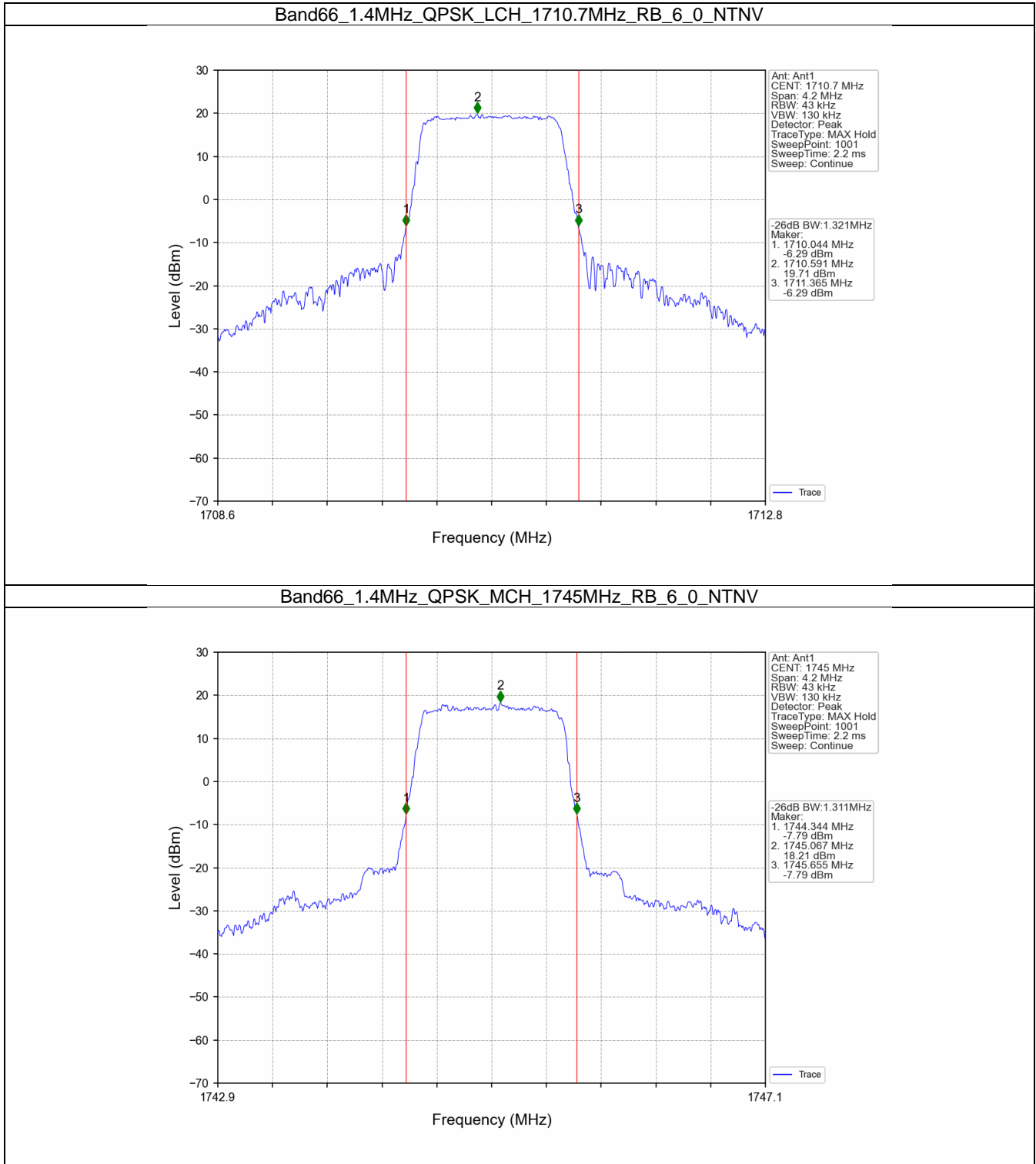


4.2 Band66_XDB

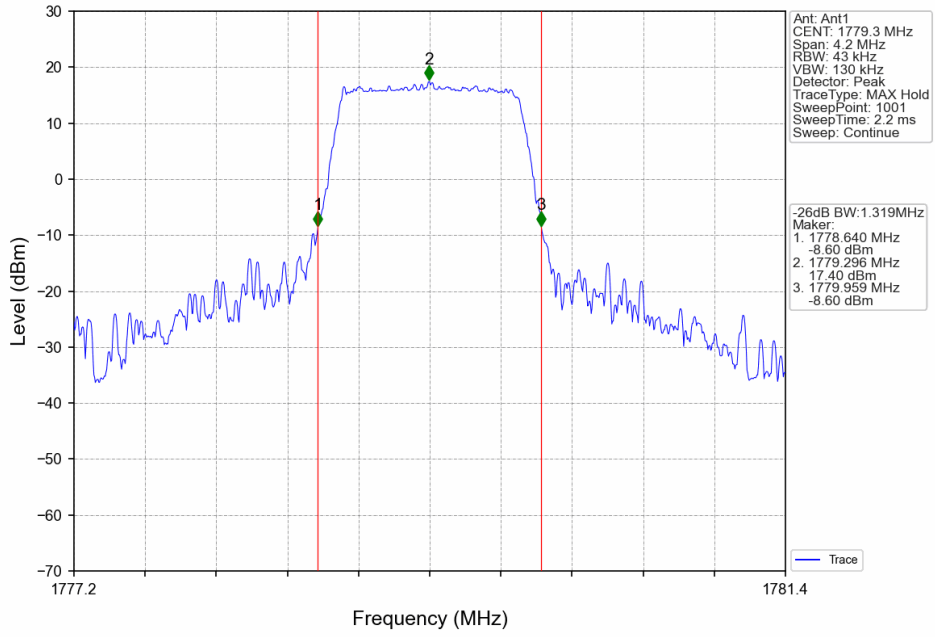
4.2.1 Test Result

Band: 66 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.321	Pass
		1745	6	0	1.311	Pass
		1779.3	6	0	1.319	Pass
	16QAM	1710.7	6	0	1.332	Pass
		1745	6	0	1.326	Pass
		1779.3	6	0	1.309	Pass
3	QPSK	1711.5	15	0	2.993	Pass
		1745	15	0	2.989	Pass
		1778.5	15	0	2.983	Pass
	16QAM	1711.5	15	0	3.003	Pass
		1745	15	0	2.994	Pass
		1778.5	15	0	2.990	Pass
5	QPSK	1712.5	25	0	5.223	Pass
		1745	25	0	5.227	Pass
		1777.5	25	0	5.233	Pass
	16QAM	1712.5	25	0	5.278	Pass
		1745	25	0	5.299	Pass
		1777.5	25	0	5.249	Pass
10	QPSK	1715	50	0	10.252	Pass
		1745	50	0	10.156	Pass
		1775	50	0	10.291	Pass
	16QAM	1715	50	0	10.160	Pass
		1745	50	0	10.249	Pass
		1775	50	0	10.155	Pass
15	QPSK	1717.5	75	0	15.167	Pass
		1745	75	0	15.370	Pass
		1772.5	75	0	15.388	Pass
	16QAM	1717.5	75	0	15.246	Pass
		1745	75	0	15.354	Pass
		1772.5	75	0	15.248	Pass
20	QPSK	1720	100	0	20.225	Pass
		1745	100	0	20.122	Pass
		1770	100	0	19.903	Pass
	16QAM	1720	100	0	19.888	Pass
		1745	100	0	20.022	Pass
		1770	100	0	19.961	Pass

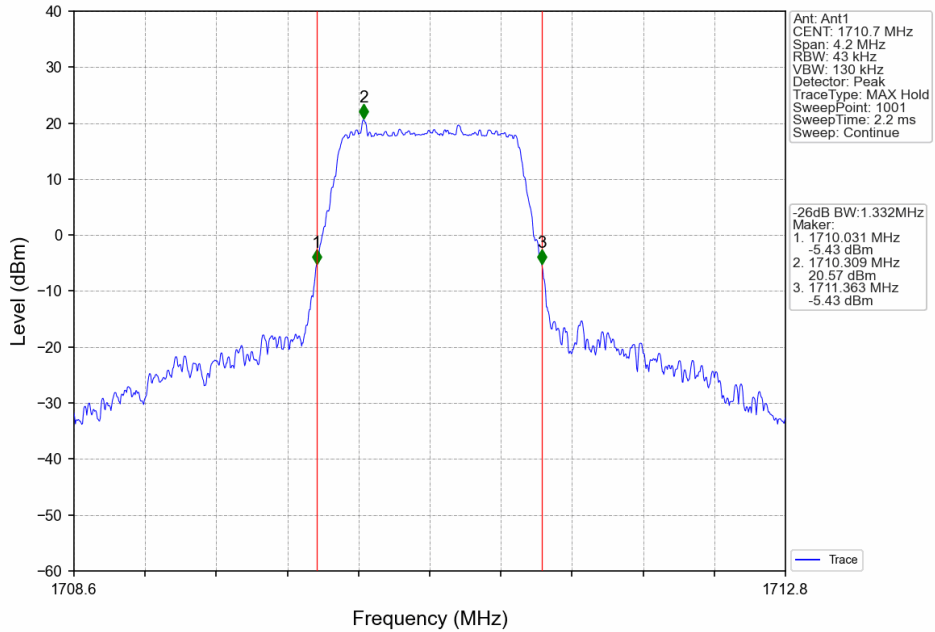
4.2.2 Test Graph



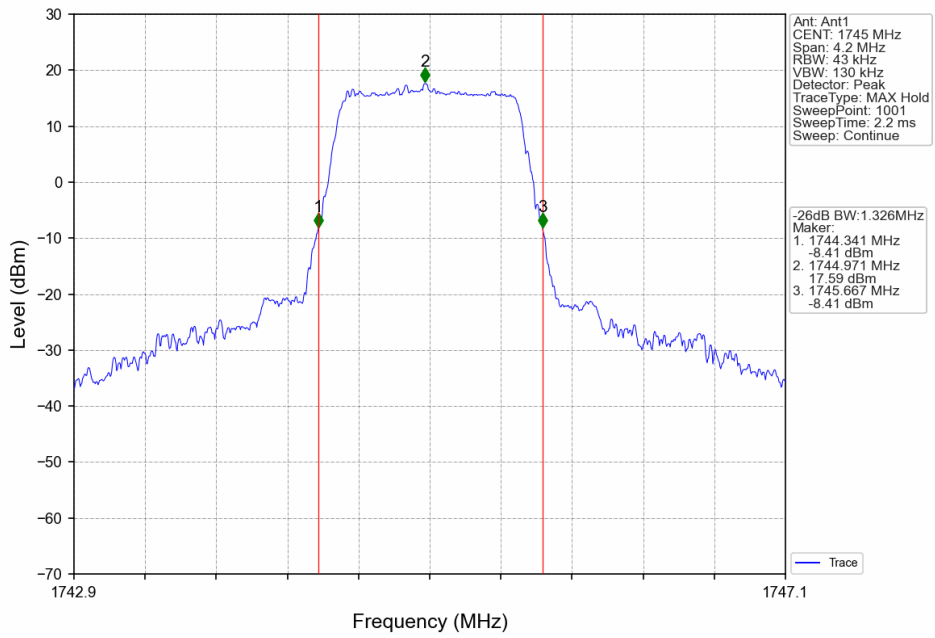
Band66_1.4MHz_QPSK_HCH_1779.3MHz_RB_6_0_NTNV



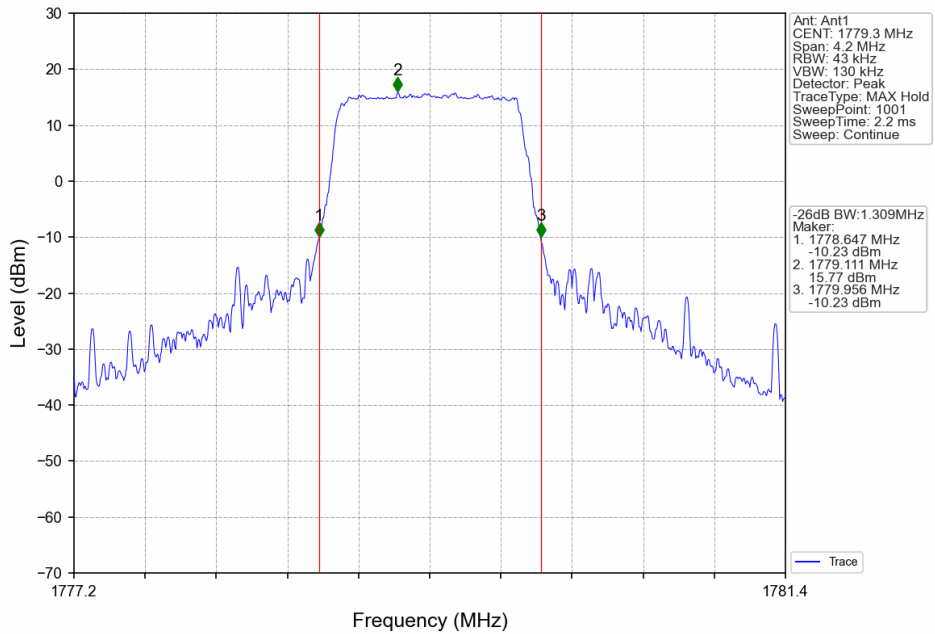
Band66_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



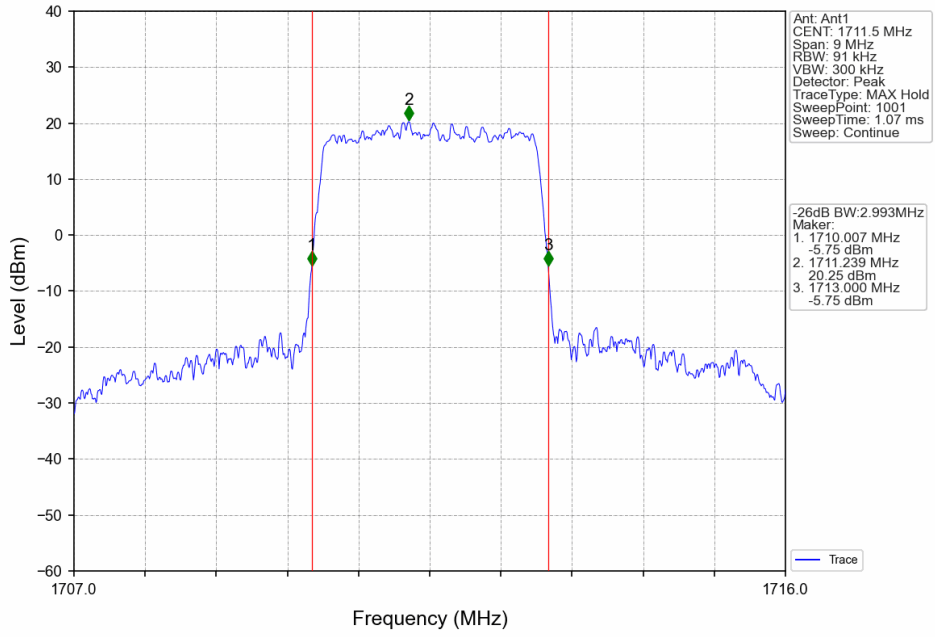
Band66_1.4MHz_16QAM_MCH_1745MHz_RB_6_0_NTNV



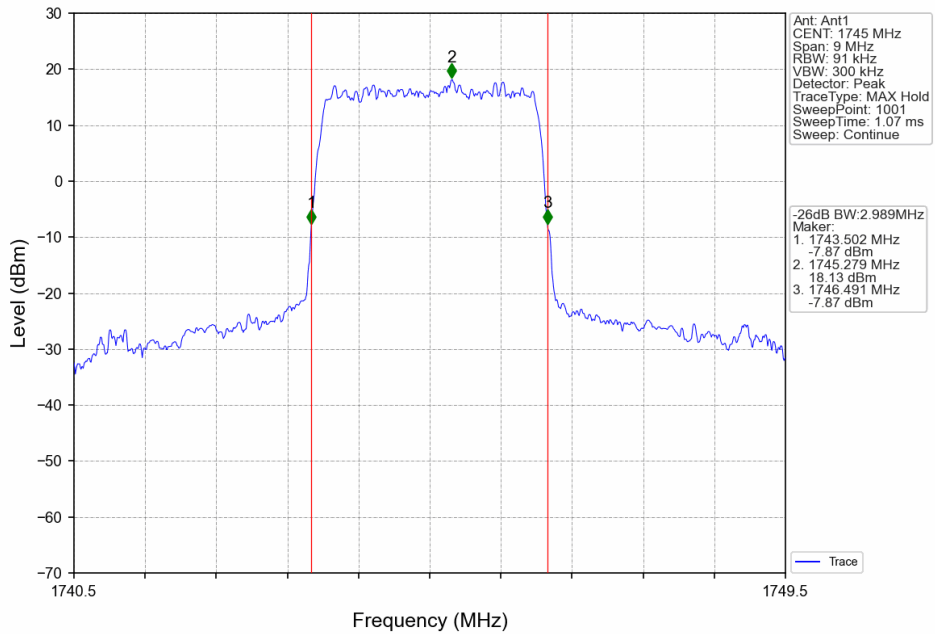
Band66_1.4MHz_16QAM_HCH_1779.3MHz_RB_6_0_NTNV



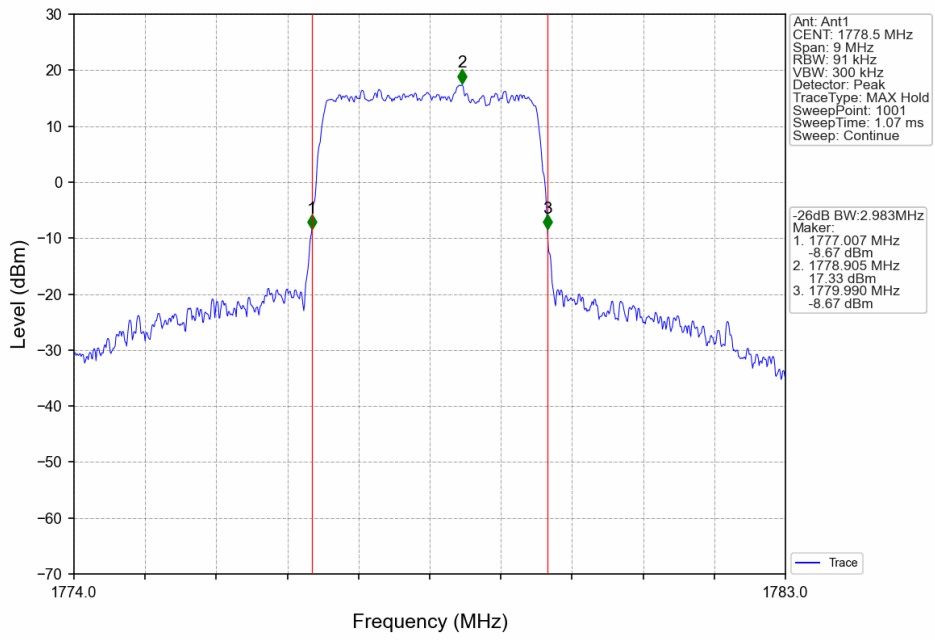
Band66_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



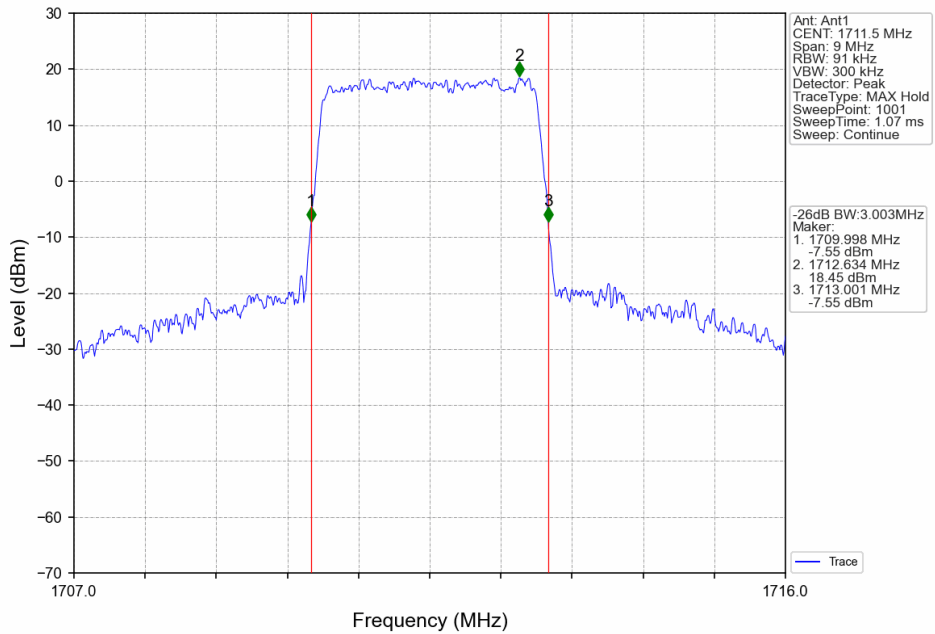
Band66_3MHz_QPSK_MCH_1745MHz_RB_15_0_NTNV



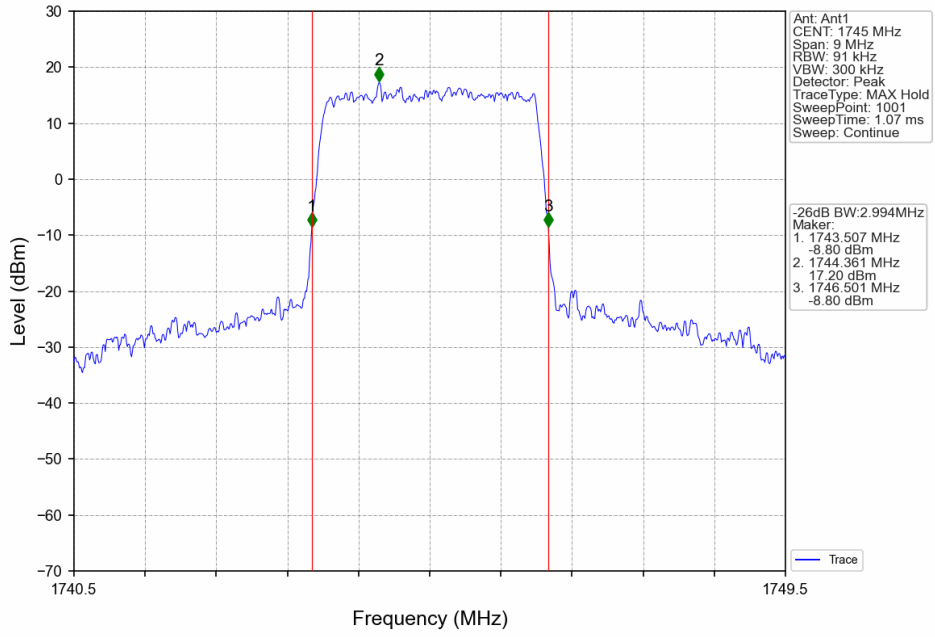
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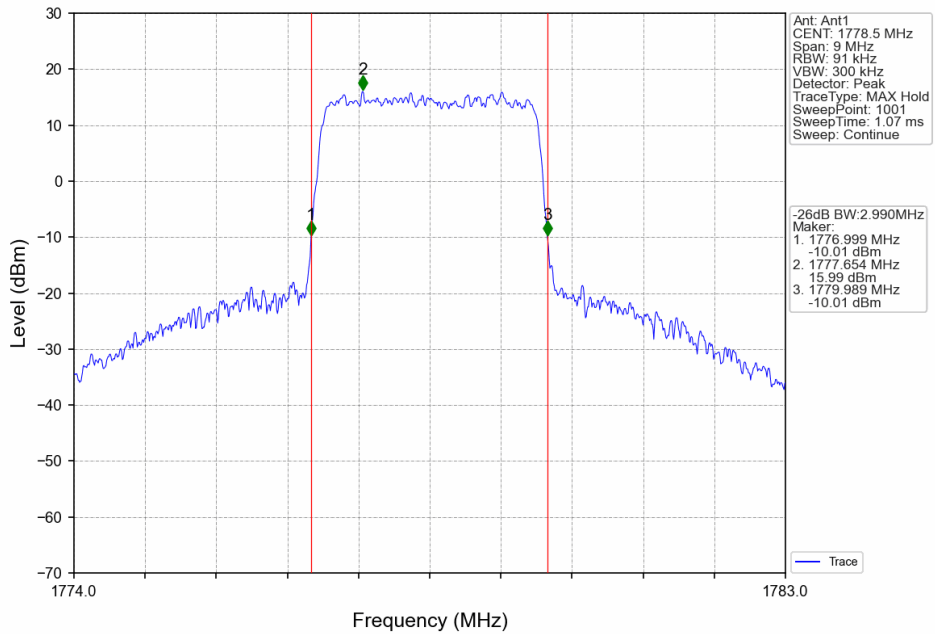
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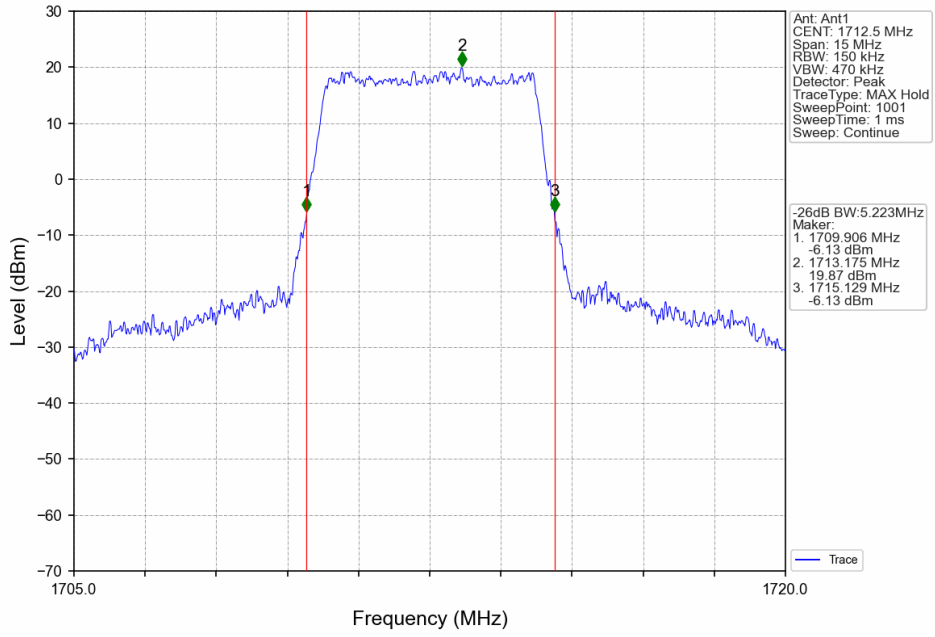
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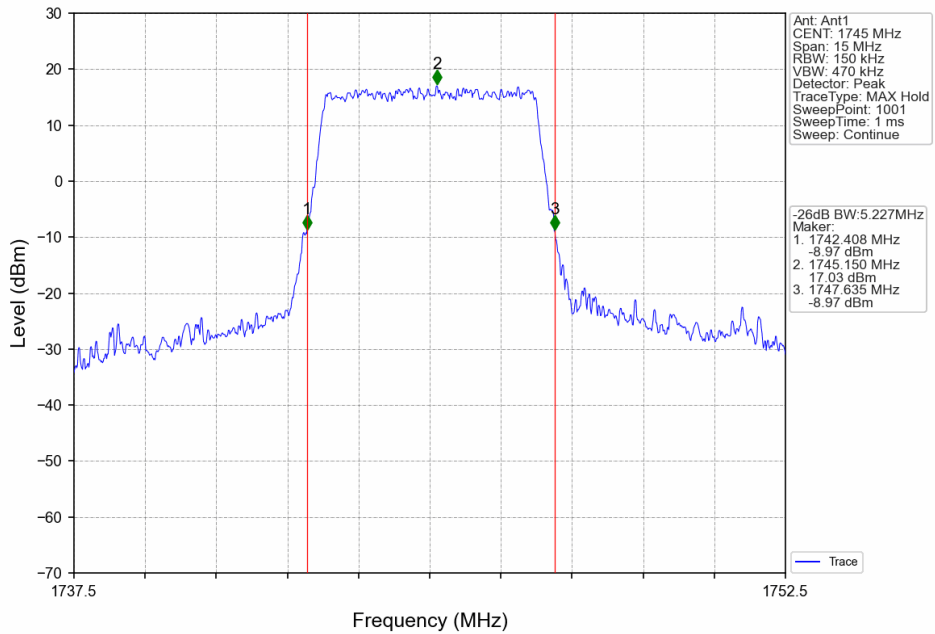
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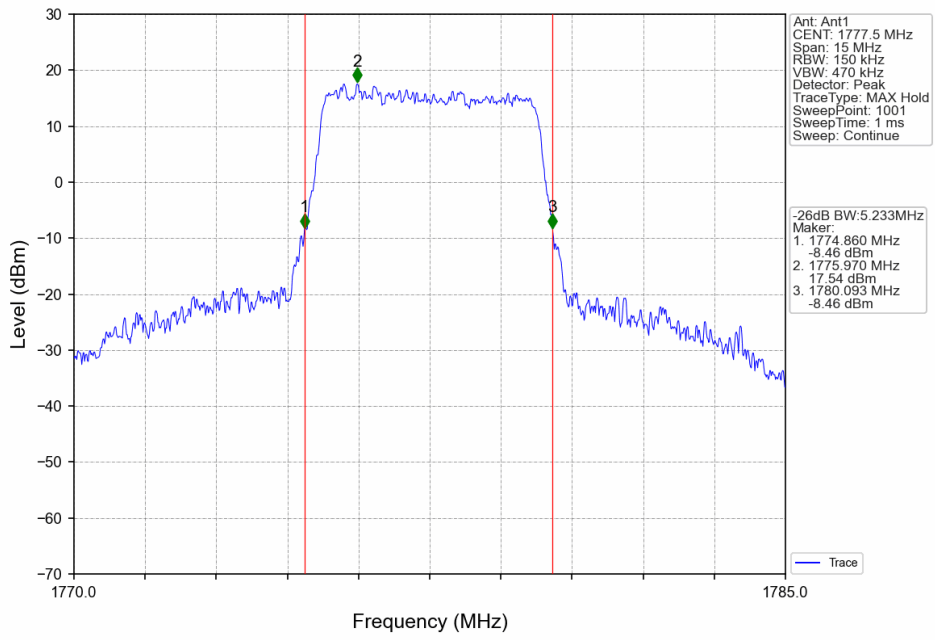
Band66_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



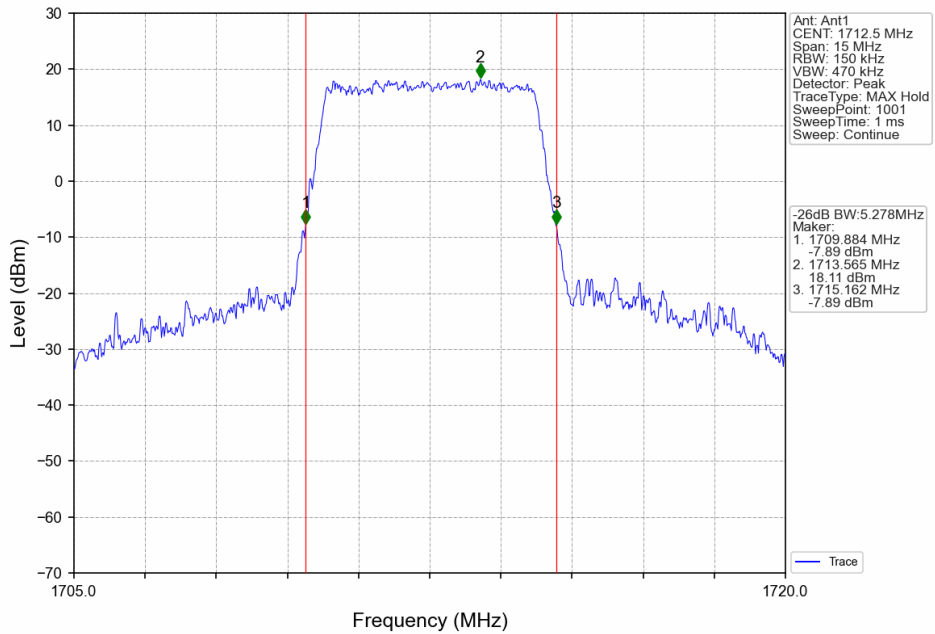
Band66_5MHz_QPSK_MCH_1745MHz_RB_25_0_NTNV



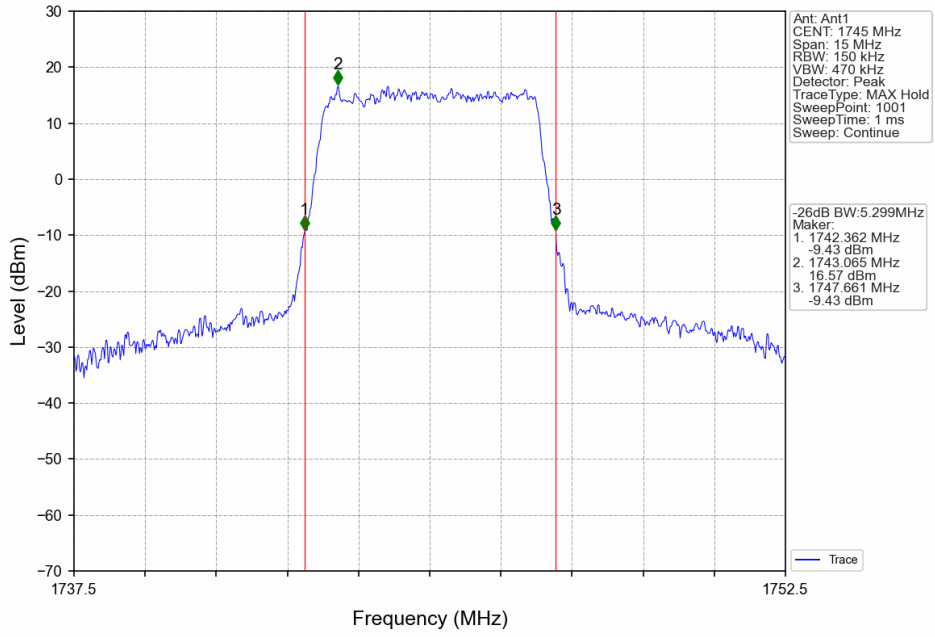
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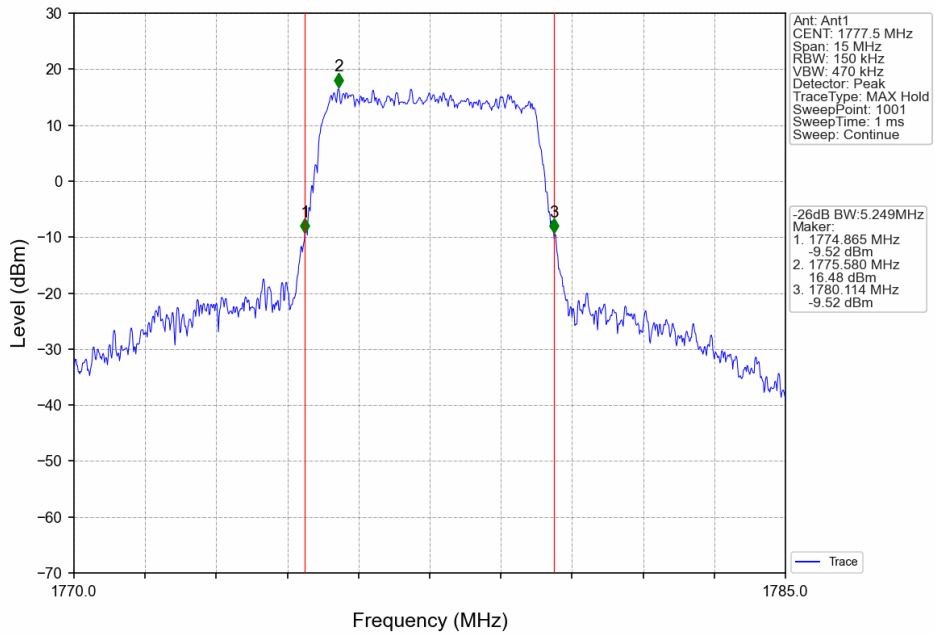
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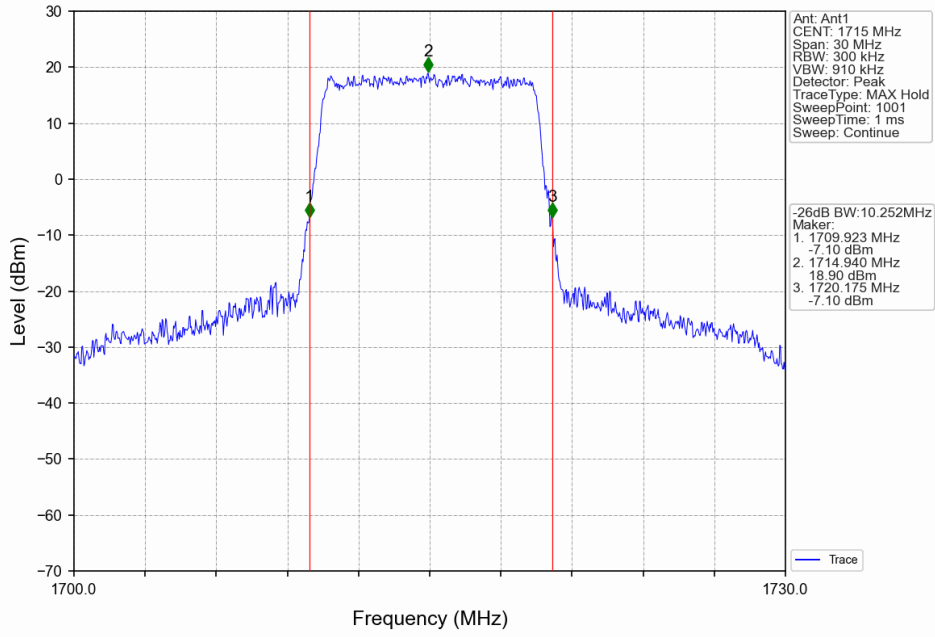
Band66_5MHz_16QAM_MCH_1745MHz_RB_25_0_NTNV



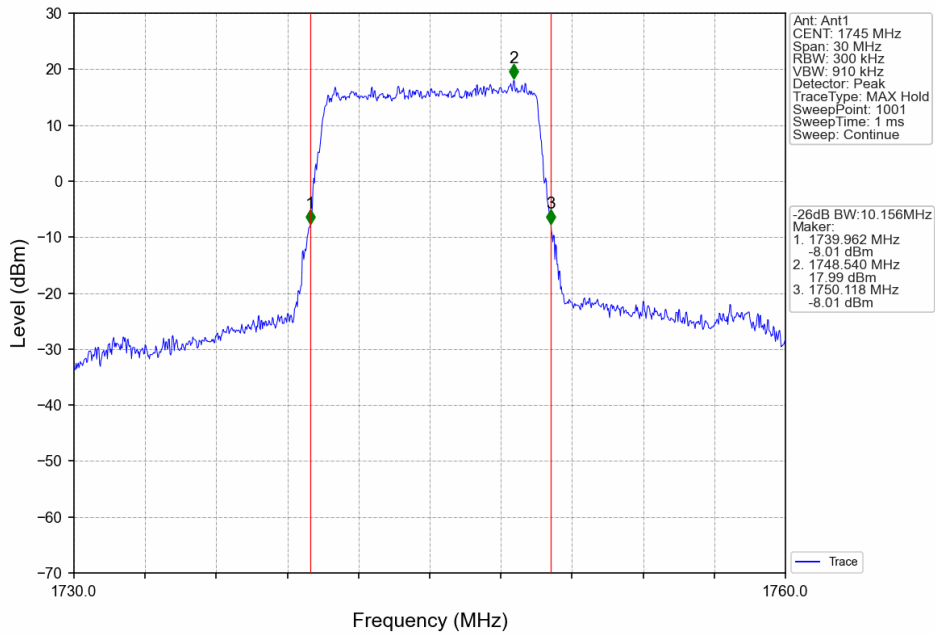
Band66_5MHz_16QAM_HCH_1777.5MHz_RB_25_0_NTNV



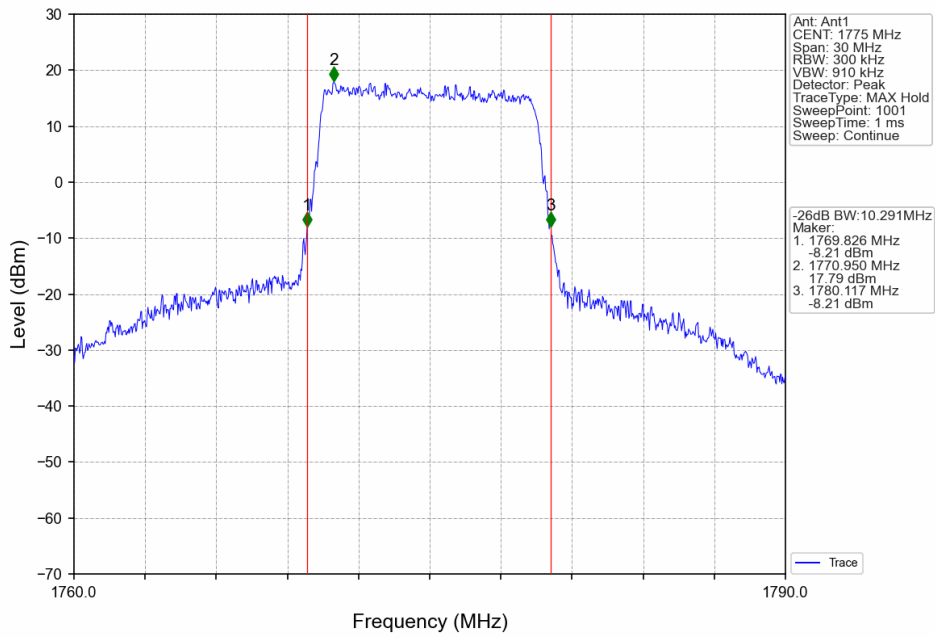
Band66_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



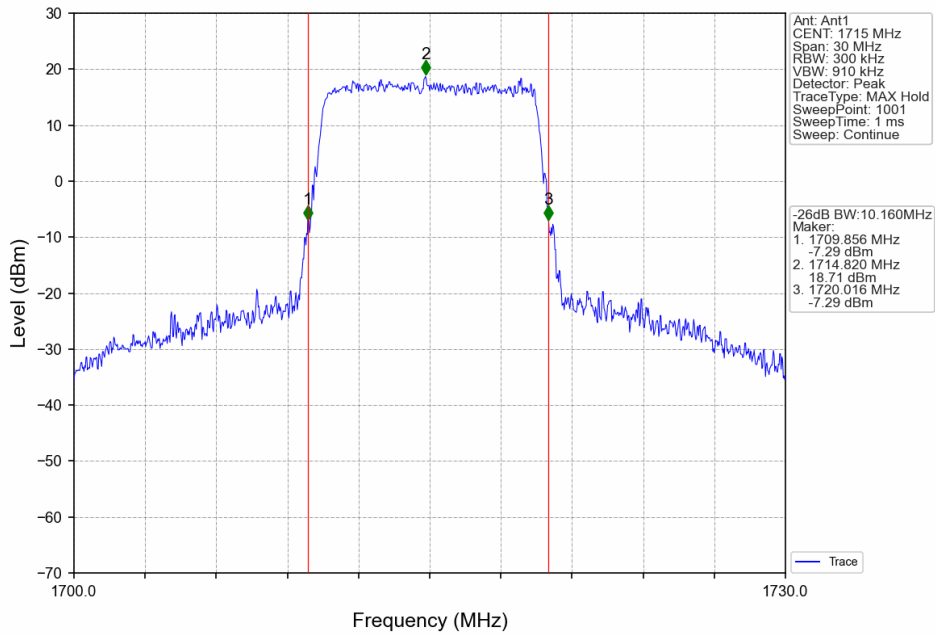
Band66_10MHz_QPSK_MCH_1745MHz_RB_50_0_NTNV



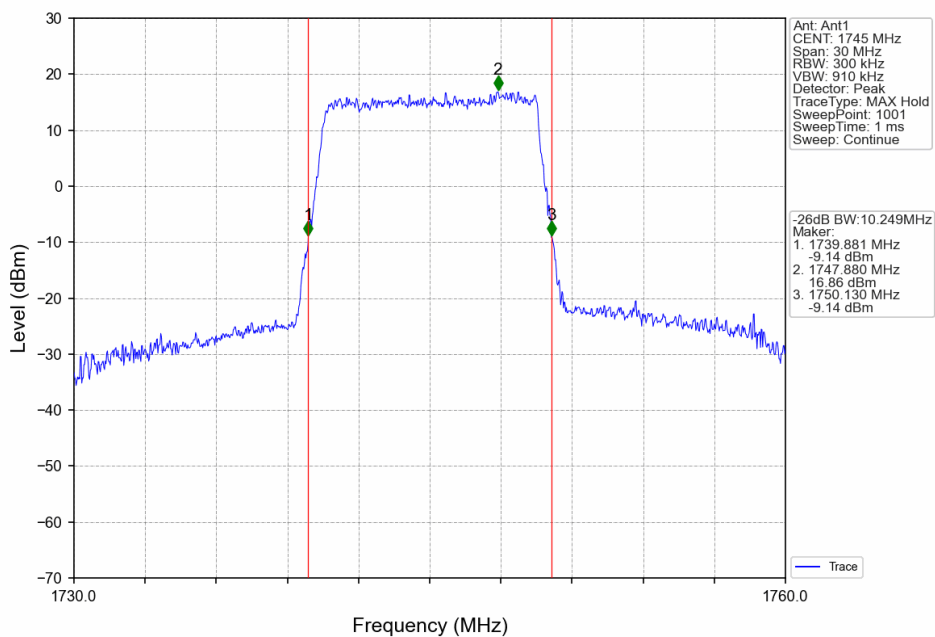
Band66_10MHz_QPSK_HCH_1775MHz_RB_50_0_NTNV



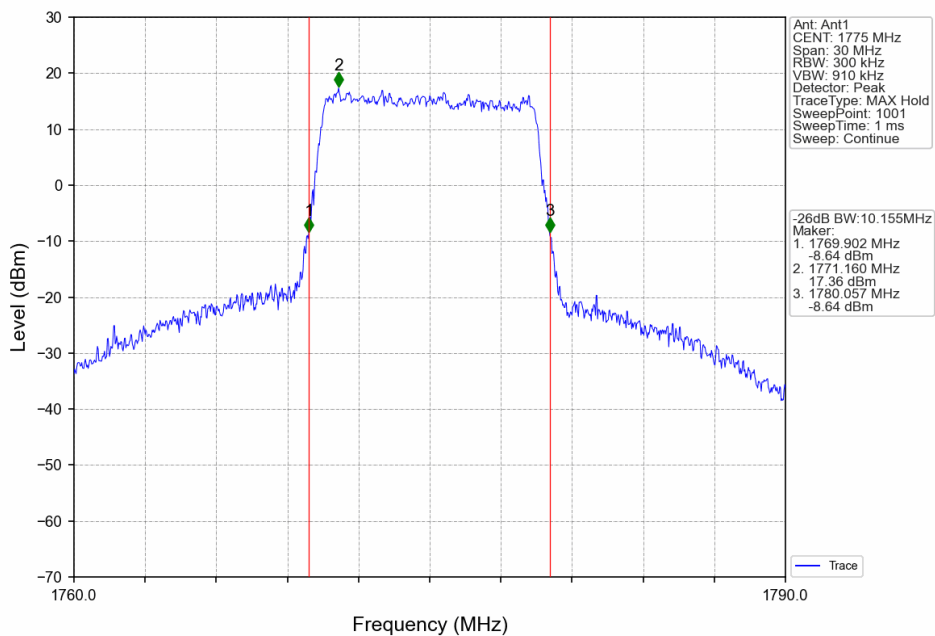
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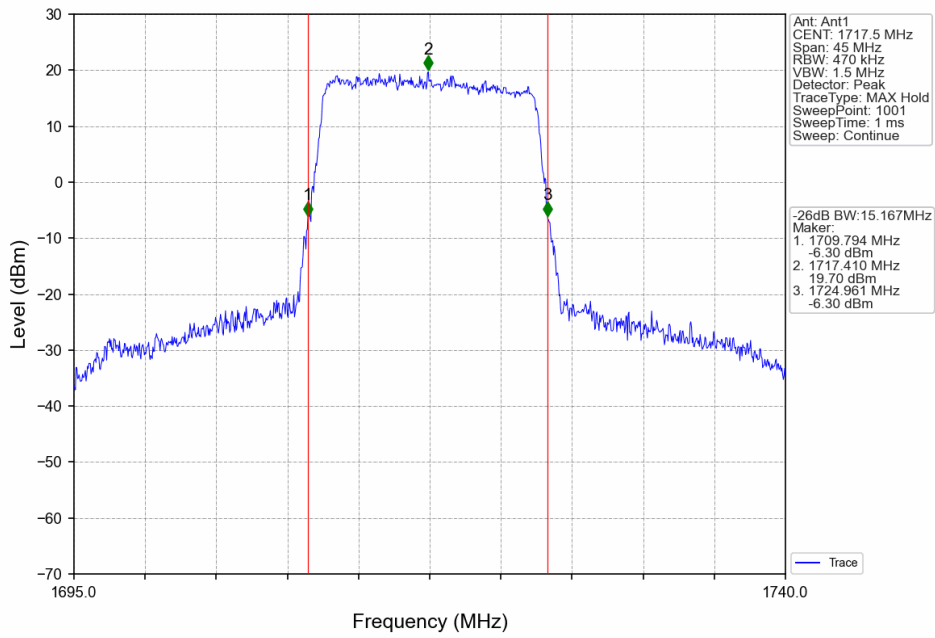
Band66_10MHz_16QAM_MCH_1745MHz_RB_50_0_NTNV



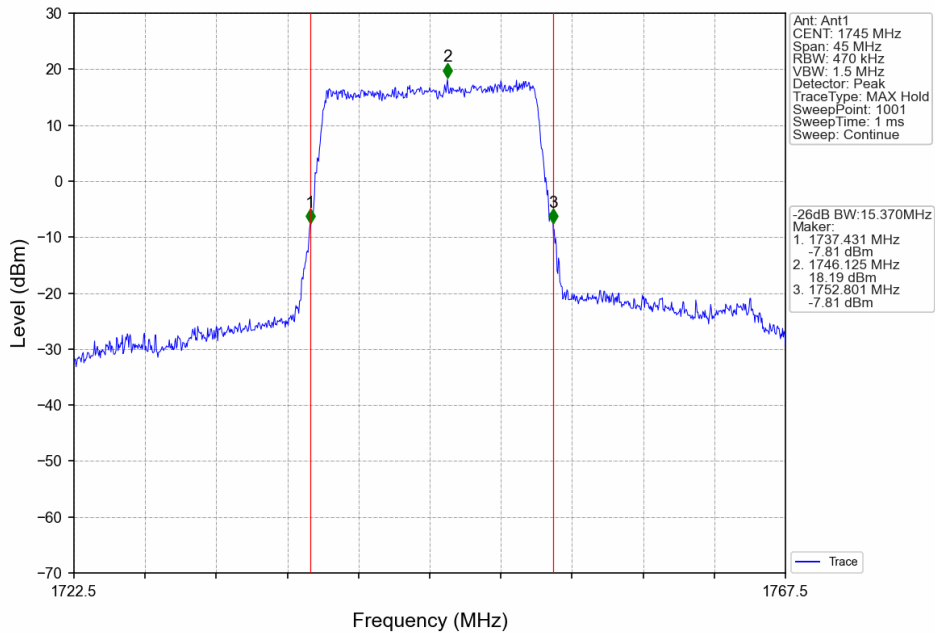
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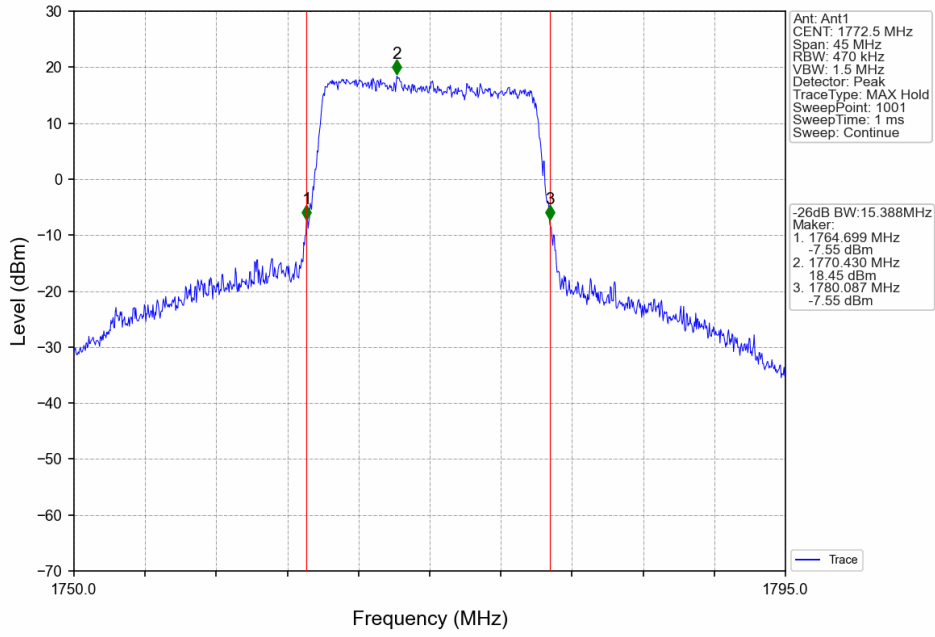
Band66_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



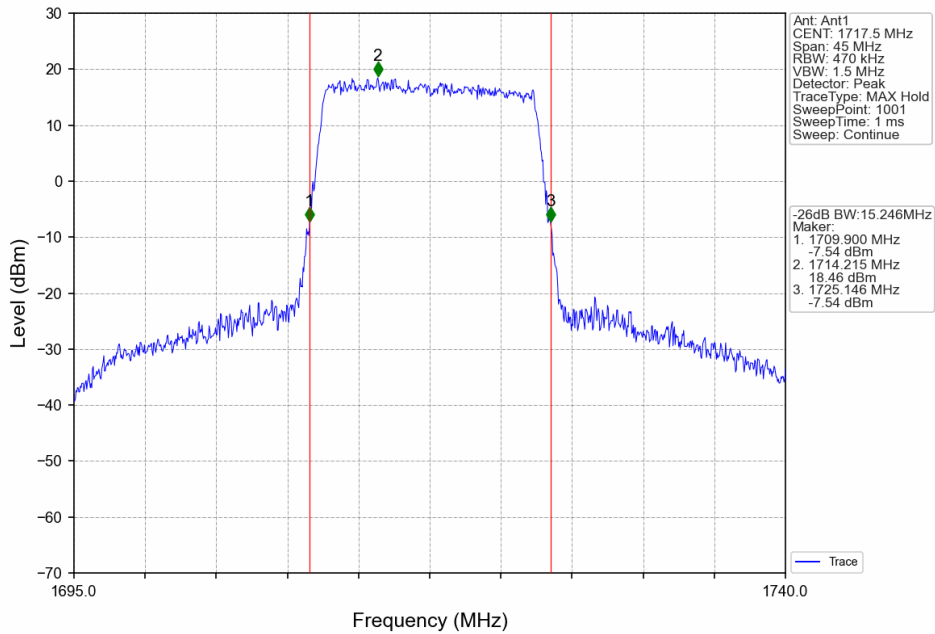
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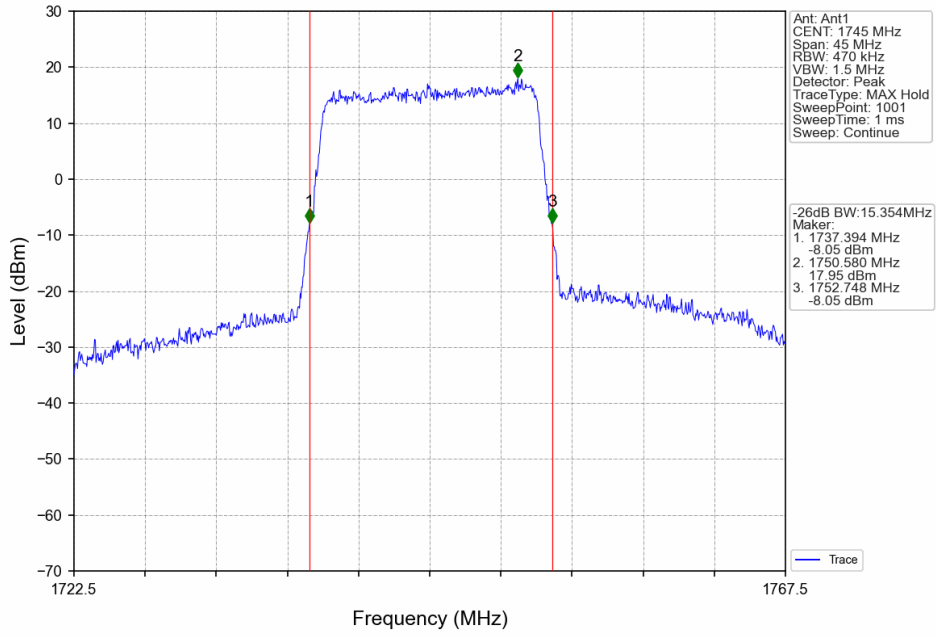
Band66_15MHz_QPSK_HCH_1772.5MHz_RB_75_0_NTNV



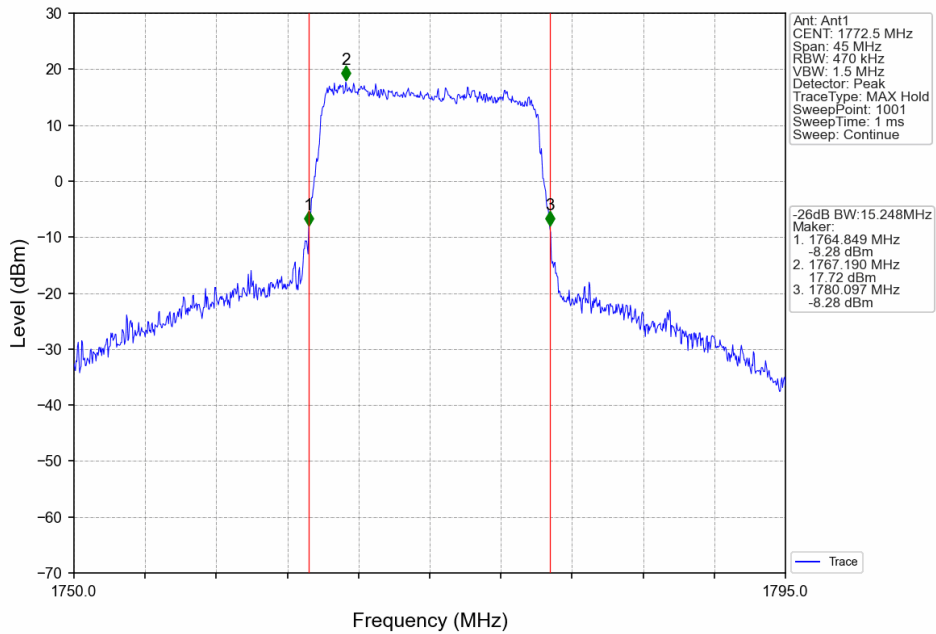
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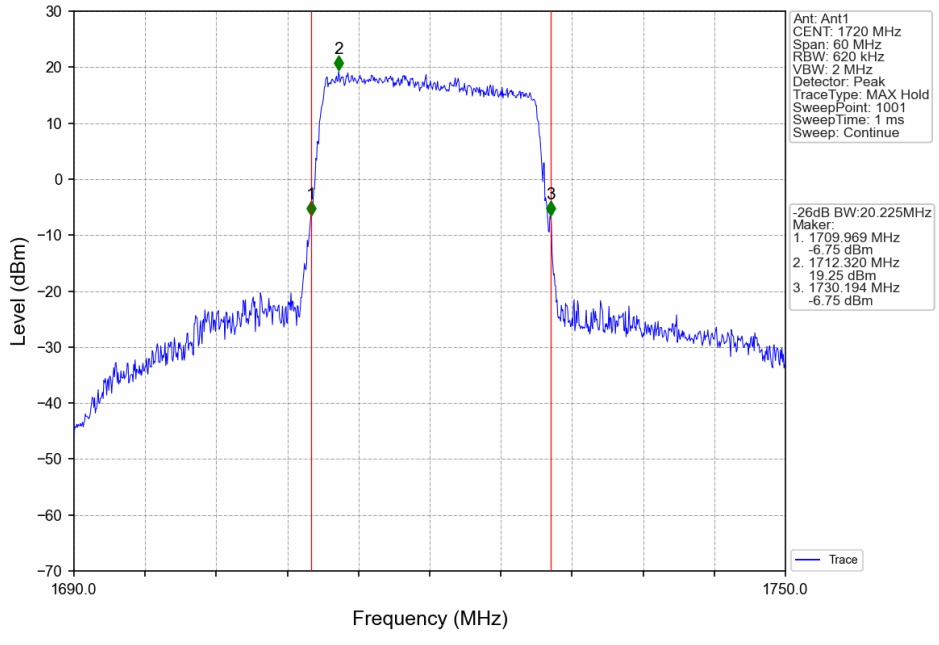
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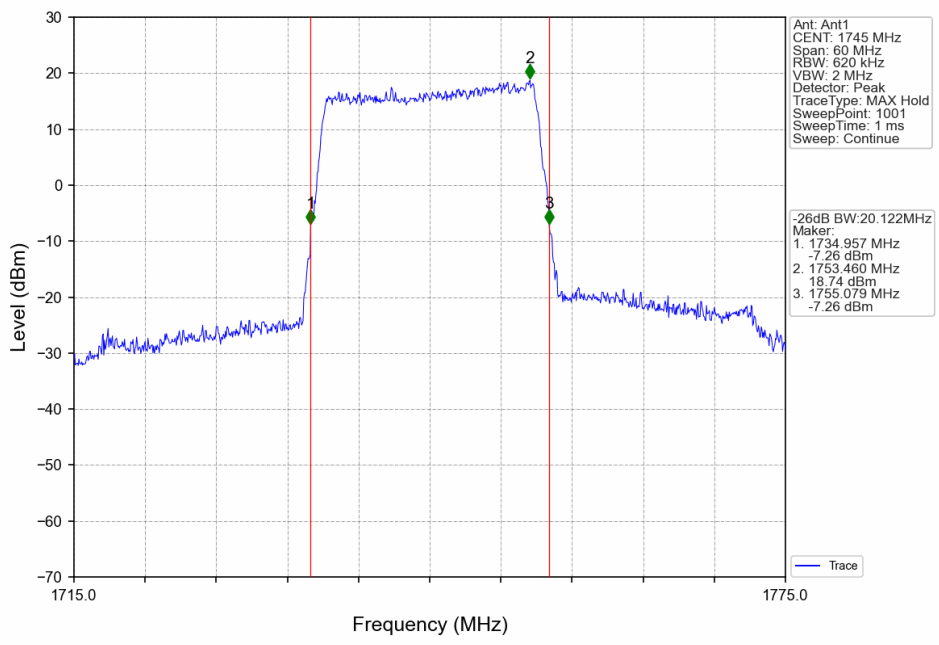
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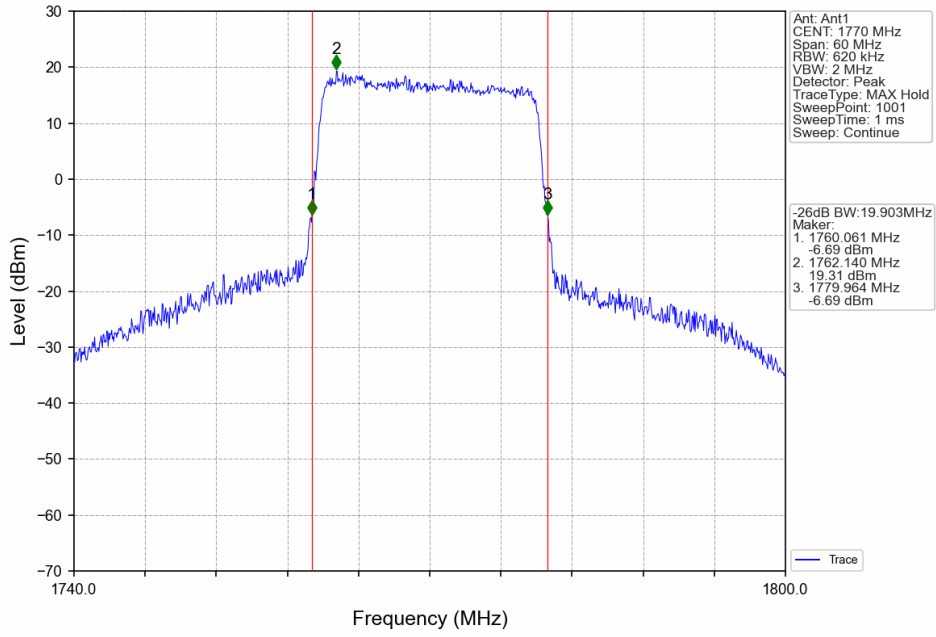
Band66_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



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

