1. Effective (Isotropic) Radiated Power Output Data

1.1 B4_1.4MHz_EIRP

1.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1710.7	1	0	20.94	3.00	23.94	<=30	Pass
			2	21.06	3.00	24.06	<=30	Pass
			5	20.96	3.00	23.96	<=30	Pass
		3	0	21.08	3.00	24.08	<=30	Pass
			2	21.11	3.00	24.11	<=30	Pass
			3	21.08	3.00	24.08	<=30	Pass
		6	0	20.06	3.00	23.06	<=30	Pass
	1732.5	1	0	20.91	3.00	23.91	<=30	Pass
			2	21.05	3.00	24.05	<=30	Pass
			5	20.94	3.00	23.94	<=30	Pass
		3	0	21.03	3.00	24.03	<=30	Pass
			2	21.08	3.00	24.08	<=30	Pass
			3	21.08	3.00	24.08	<=30	Pass
		6	0	20.01	3.00	23.01	<=30	Pass
	1754.3	1	0	20.93	3.00	23.93	<=30	Pass
			2	20.96	3.00	23.96	<=30	Pass
			5	20.83	3.00	23.83	<=30	Pass
		3	0	21.01	3.00	24.01	<=30	Pass
			2	21.00	3.00	24.00	<=30	Pass
			3	20.97	3.00	23.97	<=30	Pass
		6	0	19.96	3.00	22.96	<=30	Pass
16QAM	1710.7	1	0	20.17	3.00	23.17	<=30	Pass
			2	20.26	3.00	23.26	<=30	Pass
			5	20.17	3.00	23.17	<=30	Pass
		3	0	20.10	3.00	23.10	<=30	Pass
			2	20.12	3.00	23.12	<=30	Pass
			3	20.13	3.00	23.13	<=30	Pass
		6	0	19.05	3.00	22.05	<=30	Pass
	1732.5	1	0	20.00	3.00	23.00	<=30	Pass
			2	20.10	3.00	23.10	<=30	Pass
			5	20.08	3.00	23.08	<=30	Pass
		3	0	20.16	3.00	23.16	<=30	Pass
			2	20.17	3.00	23.17	<=30	Pass
			3	20.15	3.00	23.15	<=30	Pass
		6	0	18.97	3.00	21.97	<=30	Pass
	1754.3	1	0	19.92	3.00	22.92	<=30	Pass
			2	20.01	3.00	23.01	<=30	Pass
			5	19.96	3.00	22.96	<=30	Pass
		3	0	20.19	3.00	23.19	<=30	Pass
			2	20.24	3.00	23.24	<=30	Pass
			3	20.20	3.00	23.20	<=30	Pass
		6	0	19.01	3.00	22.01	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

1.2 B4_3MHz_EIRP

1.2.1 Test Result

Band: 4 / Bandwidth: 3MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1711.5	1	0	21.05	3.00	24.05	<=30	Pass
			7	21.20	3.00	24.20	<=30	Pass
			14	21.02	3.00	24.02	<=30	Pass
		8	0	20.15	3.00	23.15	<=30	Pass
			4	20.16	3.00	23.16	<=30	Pass
			7	20.10	3.00	23.10	<=30	Pass
		15	0	20.13	3.00	23.13	<=30	Pass
	1732.5	1	0	21.05	3.00	24.05	<=30	Pass
			7	21.20	3.00	24.20	<=30	Pass
			14	21.07	3.00	24.07	<=30	Pass
		8	0	20.11	3.00	23.11	<=30	Pass
			4	20.15	3.00	23.15	<=30	Pass
			7	20.12	3.00	23.12	<=30	Pass
		15	0	20.09	3.00	23.09	<=30	Pass
	1753.5	1	0	21.05	3.00	24.05	<=30	Pass
			7	21.19	3.00	24.19	<=30	Pass
			14	21.02	3.00	24.02	<=30	Pass
		8	0	20.07	3.00	23.07	<=30	Pass
			4	20.07	3.00	23.07	<=30	Pass
			7	20.03	3.00	23.03	<=30	Pass
		15	0	19.98	3.00	22.98	<=30	Pass
16QAM	1711.5	1	0	20.74	3.00	23.74	<=30	Pass
			7	20.86	3.00	23.86	<=30	Pass
			14	20.65	3.00	23.65	<=30	Pass
		8	0	19.23	3.00	22.23	<=30	Pass
			4	19.29	3.00	22.29	<=30	Pass
			7	19.24	3.00	22.24	<=30	Pass
		15	0	19.15	3.00	22.15	<=30	Pass
	1732.5	1	0	20.28	3.00	23.28	<=30	Pass
			7	20.43	3.00	23.43	<=30	Pass
			14	20.26	3.00	23.26	<=30	Pass
		8	0	19.09	3.00	22.09	<=30	Pass
			4	19.11	3.00	22.11	<=30	Pass
			7	19.10	3.00	22.10	<=30	Pass
		15	0	19.09	3.00	22.09	<=30	Pass
	1753.5	1	0	20.08	3.00	23.08	<=30	Pass
			7	20.23	3.00	23.23	<=30	Pass
			14	20.04	3.00	23.04	<=30	Pass
		8	0	19.05	3.00	22.05	<=30	Pass
			4	19.12	3.00	22.12	<=30	Pass
			7	19.05	3.00	22.05	<=30	Pass
		15	0	19.02	3.00	22.02	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B4_5MHz_EIRP

1.3.1 Test Result

Band: 4 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1712.5	1	0	20.96	3.00	23.96	<=30	Pass
			13	21.04	3.00	24.04	<=30	Pass
			24	20.89	3.00	23.89	<=30	Pass
		12	0	20.01	3.00	23.01	<=30	Pass
			6	20.07	3.00	23.07	<=30	Pass
			13	19.95	3.00	22.95	<=30	Pass
		25	0	20.02	3.00	23.02	<=30	Pass
	1732.5	1	0	20.91	3.00	23.91	<=30	Pass
			13	21.01	3.00	24.01	<=30	Pass
			24	20.89	3.00	23.89	<=30	Pass
		12	0	19.98	3.00	22.98	<=30	Pass
			6	20.06	3.00	23.06	<=30	Pass
			13	19.97	3.00	22.97	<=30	Pass
		25	0	20.03	3.00	23.03	<=30	Pass
	1752.5	1	0	20.85	3.00	23.70	<=30	Pass
			13	20.94	3.00	23.94	<=30	Pass
			24	20.78	3.00	23.78	<=30	Pass
		12	0	19.90	3.00	22.90	<=30	Pass
			6	19.98	3.00	22.98	<=30	Pass
			13	19.83	3.00	22.83	<=30	Pass
		25	0	19.87	3.00	22.87	<=30	Pass
16QAM	1712.5	1	0	19.86	3.00	22.86	<=30	Pass
			13	19.93	3.00	22.93	<=30	Pass
			24	19.81	3.00	22.81	<=30	Pass
		12	0	19.00	3.00	22.00	<=30	Pass
			6	19.06	3.00	22.06	<=30	Pass
			13	18.90	3.00	21.90	<=30	Pass
		25	0	19.03	3.00	22.03	<=30	Pass
	1732.5	1	0	20.24	3.00	23.24	<=30	Pass
			13	20.39	3.00	23.39	<=30	Pass
			24	20.22	3.00	23.22	<=30	Pass
		12	0	19.04	3.00	22.04	<=30	Pass
			6	19.12	3.00	22.12	<=30	Pass
			13	19.03	3.00	22.03	<=30	Pass
		25	0	19.05	3.00	22.05	<=30	Pass
	1752.5	1	0	19.96	3.00	22.96	<=30	Pass
			13	20.07	3.00	23.07	<=30	Pass
			24	19.97	3.00	22.97	<=30	Pass
		12	0	18.78	3.00	21.78	<=30	Pass
			6	18.87	3.00	21.87	<=30	Pass
			13	18.77	3.00	21.77	<=30	Pass
		25	0	18.88	3.00	21.88	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B4_10MHz_EIRP

1.4.1 Test Result

Band: 4 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1715	1	0	20.97	3.00	23.97	<=30	Pass
			25	21.16	3.00	24.16	<=30	Pass
			49	20.92	3.00	23.92	<=30	Pass
		25	0	20.15	3.00	23.15	<=30	Pass
			13	20.11	3.00	23.11	<=30	Pass
			25	19.93	3.00	22.93	<=30	Pass
		50	0	20.04	3.00	23.04	<=30	Pass
	1732.5	1	0	20.90	3.00	23.90	<=30	Pass
			25	21.17	3.00	24.17	<=30	Pass
			49	20.90	3.00	23.90	<=30	Pass
		25	0	20.13	3.00	23.13	<=30	Pass
			13	20.12	3.00	23.12	<=30	Pass
			25	20.07	3.00	23.07	<=30	Pass
		50	0	20.12	3.00	23.12	<=30	Pass
	1750	1	0	20.97	3.00	23.97	<=30	Pass
			25	21.13	3.00	24.13	<=30	Pass
			49	20.83	3.00	23.83	<=30	Pass
		25	0	19.90	3.00	22.90	<=30	Pass
			13	20.01	3.00	23.01	<=30	Pass
			25	19.92	3.00	22.92	<=30	Pass
		50	0	19.92	3.00	22.92	<=30	Pass
16QAM	1715	1	0	20.63	3.00	23.63	<=30	Pass
			25	20.78	3.00	23.78	<=30	Pass
			49	20.56	3.00	23.56	<=30	Pass
		25	0	19.17	3.00	22.17	<=30	Pass
			13	19.14	3.00	22.14	<=30	Pass
			25	18.97	3.00	21.97	<=30	Pass
		50	0	19.01	3.00	22.01	<=30	Pass
	1732.5	1	0	20.15	3.00	23.15	<=30	Pass
			25	20.43	3.00	23.43	<=30	Pass
			49	20.16	3.00	23.16	<=30	Pass
		25	0	19.14	3.00	22.14	<=30	Pass
			13	19.17	3.00	22.17	<=30	Pass
			25	19.11	3.00	22.11	<=30	Pass
		50	0	19.16	3.00	22.16	<=30	Pass
	1750	1	0	19.98	3.00	22.98	<=30	Pass
			25	20.16	3.00	23.16	<=30	Pass
			49	19.90	3.00	22.90	<=30	Pass
		25	0	18.95	3.00	21.95	<=30	Pass
			13	19.06	3.00	22.06	<=30	Pass
			25	18.97	3.00	21.97	<=30	Pass
		50	0	18.90	3.00	21.90	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.5 B4_15MHz_EIRP

1.5.1 Test Result

Band: 4 / Bandwidth: 15MHz / NTNV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1717.5	1	0	20.87	3.00	23.87	<=30	Pass
			38	20.99	3.00	23.99	<=30	Pass
			74	20.75	3.00	23.75	<=30	Pass
		36	0	20.07	3.00	23.07	<=30	Pass
			18	20.08	3.00	23.08	<=30	Pass
			39	19.86	3.00	22.86	<=30	Pass
		75	0	19.98	3.00	22.98	<=30	Pass
	1732.5	1	0	20.83	3.00	23.83	<=30	Pass
			38	21.01	3.00	24.01	<=30	Pass
			74	20.78	3.00	23.78	<=30	Pass
		36	0	20.10	3.00	23.10	<=30	Pass
			18	20.10	3.00	23.10	<=30	Pass
			39	20.00	3.00	23.00	<=30	Pass
		75	0	20.04	3.00	23.04	<=30	Pass
	1747.5	1	0	20.87	3.00	23.87	<=30	Pass
			38	21.02	3.00	24.02	<=30	Pass
			74	20.73	3.00	23.73	<=30	Pass
		36	0	19.91	3.00	22.91	<=30	Pass
			18	20.05	3.00	23.05	<=30	Pass
			39	19.97	3.00	22.97	<=30	Pass
		75	0	19.97	3.00	22.97	<=30	Pass
16QAM	1717.5	1	0	20.51	3.00	23.51	<=30	Pass
			38	20.65	3.00	23.65	<=30	Pass
			74	20.39	3.00	23.39	<=30	Pass
		36	0	19.06	3.00	22.06	<=30	Pass
			18	19.06	3.00	22.06	<=30	Pass
			39	18.87	3.00	21.87	<=30	Pass
		75	0	18.97	3.00	21.97	<=30	Pass
	1732.5	1	0	20.06	3.00	23.06	<=30	Pass
			38	20.27	3.00	23.30	<=30	Pass
			74	20.00	3.00	23.00	<=30	Pass
		36	0	19.08	3.00	22.08	<=30	Pass
			18	19.06	3.00	22.06	<=30	Pass
			39	18.94	3.00	21.94	<=30	Pass
		75	0	19.03	3.00	22.03	<=30	Pass
	1747.5	1	0	20.35	3.00	23.35	<=30	Pass
			38	20.46	3.00	23.46	<=30	Pass
			74	20.18	3.00	23.18	<=30	Pass
		36	0	18.87	3.00	21.87	<=30	Pass
			18	18.99	3.00	21.99	<=30	Pass
			39	18.90	3.00	21.90	<=30	Pass
		75	0	18.93	3.00	21.93	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.6 B4_20MHz_EIRP

1.6.1 Test Result

Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency	RB Allocation	Conducted Power	Gain	EIRP (dBm)	Verdict

	(MHz)	Size	Offset	(dBm)	(dbi)	Result	Limit	
QPSK	1720	1	0	20.82	3.00	23.82	<=30	Pass
			50	21.17	3.00	24.17	<=30	Pass
			99	20.70	3.00	23.70	<=30	Pass
		50	0	20.16	3.00	23.16	<=30	Pass
			25	20.05	3.00	23.05	<=30	Pass
			50	19.70	3.00	22.70	<=30	Pass
		100	0	20.01	3.00	23.01	<=30	Pass
	1732.5	1	0	20.80	3.00	23.80	<=30	Pass
			50	21.17	3.00	24.17	<=30	Pass
			99	20.73	3.00	23.73	<=30	Pass
		50	0	20.12	3.00	23.12	<=30	Pass
			25	20.09	3.00	23.09	<=30	Pass
			50	20.03	3.00	23.03	<=30	Pass
		100	0	20.09	3.00	23.09	<=30	Pass
	1745	1	0	20.81	3.00	23.81	<=30	Pass
			50	21.20	3.00	24.20	<=30	Pass
			99	20.68	3.00	23.68	<=30	Pass
		50	0	19.80	3.00	22.80	<=30	Pass
			25	20.05	3.00	23.05	<=30	Pass
			50	20.01	3.00	23.01	<=30	Pass
		100	0	19.93	3.00	22.93	<=30	Pass
16QAM	1720	1	0	20.11	3.00	23.11	<=30	Pass
			50	20.46	3.00	23.46	<=30	Pass
			99	20.05	3.00	23.05	<=30	Pass
		50	0	19.18	3.00	22.18	<=30	Pass
			25	19.02	3.00	22.02	<=30	Pass
			50	18.67	3.00	21.67	<=30	Pass
		100	0	19.04	3.00	22.04	<=30	Pass
	1732.5	1	0	20.09	3.00	23.09	<=30	Pass
			50	20.45	3.00	23.45	<=30	Pass
			99	19.96	3.00	22.96	<=30	Pass
		50	0	19.16	3.00	22.16	<=30	Pass
			25	19.09	3.00	22.09	<=30	Pass
			50	19.05	3.00	22.05	<=30	Pass
		100	0	19.11	3.00	22.11	<=30	Pass
	1745	1	0	20.42	3.00	23.42	<=30	Pass
			50	20.79	3.00	23.79	<=30	Pass
			99	20.31	3.00	23.31	<=30	Pass
		50	0	18.78	3.00	21.78	<=30	Pass
			25	19.01	3.00	22.01	<=30	Pass
			50	18.95	3.00	21.95	<=30	Pass
		100	0	18.93	3.00	21.93	<=30	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B4_1.4MHz

2.1.1 Test Result

Band: 4 / Bandwidth: 1.4MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1710.7	6	0	20	3.30	8.912	0.0052	-2.5 to 2.5	Pass
					3.70	-10.586	-0.0062	-2.5 to 2.5	Pass
					4.00	0.172	0.0001	-2.5 to 2.5	Pass
				-30	3.70	-9.828	-0.0057	-2.5 to 2.5	Pass
				-20	3.70	-8.798	-0.0051	-2.5 to 2.5	Pass
				-10	3.70	-9.727	-0.0057	-2.5 to 2.5	Pass
				0	3.70	-13.590	-0.0079	-2.5 to 2.5	Pass
				10	3.70	-1.159	-0.0007	-2.5 to 2.5	Pass
				30	3.70	-1.416	-0.0008	-2.5 to 2.5	Pass
				40	3.70	-3.791	-0.0022	-2.5 to 2.5	Pass
				50	3.70	6.781	0.0040	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.30	-12.088	-0.0070	-2.5 to 2.5	Pass
					3.70	10.014	0.0058	-2.5 to 2.5	Pass
					4.00	3.448	0.0020	-2.5 to 2.5	Pass
				-30	3.70	-2.861	-0.0017	-2.5 to 2.5	Pass
				-20	3.70	8.211	0.0047	-2.5 to 2.5	Pass
				-10	3.70	-0.644	-0.0004	-2.5 to 2.5	Pass
				0	3.70	2.375	0.0014	-2.5 to 2.5	Pass
				10	3.70	0.143	0.0001	-2.5 to 2.5	Pass
				30	3.70	2.303	0.0013	-2.5 to 2.5	Pass
				40	3.70	0.429	0.0002	-2.5 to 2.5	Pass
				50	3.70	-1.731	-0.0010	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.30	-1.431	-0.0008	-2.5 to 2.5	Pass
					3.70	-12.288	-0.0070	-2.5 to 2.5	Pass
					4.00	-10.829	-0.0062	-2.5 to 2.5	Pass
				-30	3.70	-4.263	-0.0024	-2.5 to 2.5	Pass
				-20	3.70	-10.872	-0.0062	-2.5 to 2.5	Pass
				-10	3.70	-14.963	-0.0085	-2.5 to 2.5	Pass
				0	3.70	-4.520	-0.0026	-2.5 to 2.5	Pass
				10	3.70	-1.416	-0.0008	-2.5 to 2.5	Pass
				30	3.70	-5.479	-0.0031	-2.5 to 2.5	Pass
				40	3.70	-6.824	-0.0039	-2.5 to 2.5	Pass
				50	3.70	3.848	0.0022	-2.5 to 2.5	Pass
16QAM	1710.7	6	0	20	3.30	-7.181	-0.0042	-2.5 to 2.5	Pass
					3.70	-6.795	-0.0040	-2.5 to 2.5	Pass
					4.00	-2.789	-0.0016	-2.5 to 2.5	Pass
				-30	3.70	-3.247	-0.0019	-2.5 to 2.5	Pass
				-20	3.70	-0.315	-0.0002	-2.5 to 2.5	Pass
				-10	3.70	4.063	0.0024	-2.5 to 2.5	Pass
				0	3.70	-2.189	-0.0013	-2.5 to 2.5	Pass
				10	3.70	-3.090	-0.0018	-2.5 to 2.5	Pass
				30	3.70	-6.208	-0.0036	-2.5 to 2.5	Pass
				40	3.70	-10.328	-0.0060	-2.5 to 2.5	Pass
				50	3.70	-9.799	-0.0057	-2.5 to 2.5	Pass
	1732.5	6	0	20	3.30	0.558	0.0003	-2.5 to 2.5	Pass
					3.70	-2.532	-0.0015	-2.5 to 2.5	Pass
					4.00	-7.353	-0.0042	-2.5 to 2.5	Pass
				-30	3.70	-5.822	-0.0034	-2.5 to 2.5	Pass
				-20	3.70	-7.896	-0.0046	-2.5 to 2.5	Pass
				-10	3.70	-10.428	-0.0060	-2.5 to 2.5	Pass
				0	3.70	0.815	0.0005	-2.5 to 2.5	Pass
				10	3.70	-1.602	-0.0009	-2.5 to 2.5	Pass
				30	3.70	-2.933	-0.0017	-2.5 to 2.5	Pass
				40	3.70	-4.292	-0.0025	-2.5 to 2.5	Pass
				50	3.70	-8.140	-0.0047	-2.5 to 2.5	Pass
	1754.3	6	0	20	3.30	-2.203	-0.0013	-2.5 to 2.5	Pass

					3.70	-5.507	-0.0031	-2.5 to 2.5	Pass
					4.00	0.143	0.0001	-2.5 to 2.5	Pass
				-30	3.70	-4.363	-0.0025	-2.5 to 2.5	Pass
				-20	3.70	-4.878	-0.0028	-2.5 to 2.5	Pass
				-10	3.70	0.100	0.0001	-2.5 to 2.5	Pass
				0	3.70	-1.073	-0.0006	-2.5 to 2.5	Pass
				10	3.70	-2.289	-0.0013	-2.5 to 2.5	Pass
				30	3.70	-6.280	-0.0036	-2.5 to 2.5	Pass
				40	3.70	1.416	0.0008	-2.5 to 2.5	Pass
				50	3.70	-12.231	-0.0070	-2.5 to 2.5	Pass

2.2 B4_3MHz

2.2.1 Test Result

Band: 4 / Bandwidth: 3MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1711.5	15	0	20	3.30	-16.980	-0.0099	-2.5 to 2.5	Pass
					3.70	-4.292	-0.0025	-2.5 to 2.5	Pass
					4.00	-0.243	-0.0001	-2.5 to 2.5	Pass
				-30	3.70	-1.030	-0.0006	-2.5 to 2.5	Pass
				-20	3.70	5.665	0.0033	-2.5 to 2.5	Pass
				-10	3.70	13.976	0.0082	-2.5 to 2.5	Pass
				0	3.70	0.687	0.0004	-2.5 to 2.5	Pass
				10	3.70	-6.695	-0.0039	-2.5 to 2.5	Pass
				30	3.70	4.992	0.0029	-2.5 to 2.5	Pass
				40	3.70	-0.415	-0.0002	-2.5 to 2.5	Pass
				50	3.70	-0.043	0.0000	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.30	-6.981	-0.0040	-2.5 to 2.5	Pass
					3.70	7.052	0.0041	-2.5 to 2.5	Pass
					4.00	3.004	0.0017	-2.5 to 2.5	Pass
				-30	3.70	5.651	0.0033	-2.5 to 2.5	Pass
				-20	3.70	7.482	0.0043	-2.5 to 2.5	Pass
				-10	3.70	2.475	0.0014	-2.5 to 2.5	Pass
				0	3.70	-8.726	-0.0050	-2.5 to 2.5	Pass
				10	3.70	-2.131	-0.0012	-2.5 to 2.5	Pass
				30	3.70	-8.755	-0.0051	-2.5 to 2.5	Pass
				40	3.70	-6.924	-0.0040	-2.5 to 2.5	Pass
				50	3.70	-11.401	-0.0066	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.30	-1.273	-0.0007	-2.5 to 2.5	Pass
					3.70	-8.225	-0.0047	-2.5 to 2.5	Pass
					4.00	-11.730	-0.0067	-2.5 to 2.5	Pass
				-30	3.70	-15.635	-0.0089	-2.5 to 2.5	Pass
				-20	3.70	-8.955	-0.0051	-2.5 to 2.5	Pass
				-10	3.70	-4.892	-0.0028	-2.5 to 2.5	Pass
				0	3.70	-6.166	-0.0035	-2.5 to 2.5	Pass
				10	3.70	-4.635	-0.0026	-2.5 to 2.5	Pass
				30	3.70	-2.346	-0.0013	-2.5 to 2.5	Pass
				40	3.70	-2.232	-0.0013	-2.5 to 2.5	Pass
				50	3.70	-10.872	-0.0062	-2.5 to 2.5	Pass
16QAM	1711.5	15	0	20	3.30	-4.621	-0.0027	-2.5 to 2.5	Pass
					3.70	1.359	0.0008	-2.5 to 2.5	Pass
					4.00	-2.890	-0.0017	-2.5 to 2.5	Pass
				-30	3.70	-11.444	-0.0067	-2.5 to 2.5	Pass
				-20	3.70	-1.631	-0.0010	-2.5 to 2.5	Pass
				-10	3.70	-10.057	-0.0059	-2.5 to 2.5	Pass

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

				0	3.70	-8.512	-0.0050	-2.5 to 2.5	Pass
				10	3.70	-0.229	-0.0001	-2.5 to 2.5	Pass
				30	3.70	-1.144	-0.0007	-2.5 to 2.5	Pass
				40	3.70	-2.460	-0.0014	-2.5 to 2.5	Pass
				50	3.70	-6.752	-0.0039	-2.5 to 2.5	Pass
	1732.5	15	0	20	3.30	-9.685	-0.0056	-2.5 to 2.5	Pass
					3.70	-12.732	-0.0073	-2.5 to 2.5	Pass
					4.00	-6.866	-0.0040	-2.5 to 2.5	Pass
				-30	3.70	-6.480	-0.0037	-2.5 to 2.5	Pass
				-20	3.70	-0.601	-0.0003	-2.5 to 2.5	Pass
				-10	3.70	-3.290	-0.0019	-2.5 to 2.5	Pass
				0	3.70	-0.758	-0.0004	-2.5 to 2.5	Pass
				10	3.70	-1.316	-0.0008	-2.5 to 2.5	Pass
				30	3.70	-7.081	-0.0041	-2.5 to 2.5	Pass
				40	3.70	-10.128	-0.0058	-2.5 to 2.5	Pass
				50	3.70	-4.678	-0.0027	-2.5 to 2.5	Pass
	1753.5	15	0	20	3.30	-7.253	-0.0041	-2.5 to 2.5	Pass
					3.70	-4.148	-0.0024	-2.5 to 2.5	Pass
					4.00	-12.703	-0.0072	-2.5 to 2.5	Pass
				-30	3.70	-2.689	-0.0015	-2.5 to 2.5	Pass
				-20	3.70	-11.702	-0.0067	-2.5 to 2.5	Pass
				-10	3.70	-6.166	-0.0035	-2.5 to 2.5	Pass
				0	3.70	0.958	0.0005	-2.5 to 2.5	Pass
				10	3.70	-11.902	-0.0068	-2.5 to 2.5	Pass
				30	3.70	-6.924	-0.0039	-2.5 to 2.5	Pass
				40	3.70	-0.329	-0.0002	-2.5 to 2.5	Pass
				50	3.70	-5.293	-0.0030	-2.5 to 2.5	Pass

2.3 B4_5MHz

2.3.1 Test Result

Band: 4 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1712.5	25	0	20	3.30	-9.255	-0.0054	-2.5 to 2.5	Pass
					3.70	-0.429	-0.0003	-2.5 to 2.5	Pass
					4.00	-7.982	-0.0047	-2.5 to 2.5	Pass
				-30	3.70	-7.839	-0.0046	-2.5 to 2.5	Pass
				-20	3.70	-8.855	-0.0052	-2.5 to 2.5	Pass
				-10	3.70	-2.518	-0.0015	-2.5 to 2.5	Pass
				0	3.70	-5.207	-0.0030	-2.5 to 2.5	Pass
				10	3.70	-0.515	-0.0003	-2.5 to 2.5	Pass
				30	3.70	-5.608	-0.0033	-2.5 to 2.5	Pass
				40	3.70	0.129	0.0001	-2.5 to 2.5	Pass
				50	3.70	-6.981	-0.0041	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.30	-11.029	-0.0064	-2.5 to 2.5	Pass
					3.70	-0.916	-0.0005	-2.5 to 2.5	Pass
					4.00	-0.057	0.0000	-2.5 to 2.5	Pass
				-30	3.70	2.317	0.0013	-2.5 to 2.5	Pass
				-20	3.70	-7.038	-0.0041	-2.5 to 2.5	Pass
				-10	3.70	-1.817	-0.0010	-2.5 to 2.5	Pass
				0	3.70	-2.675	-0.0015	-2.5 to 2.5	Pass
				10	3.70	0.472	0.0003	-2.5 to 2.5	Pass
				30	3.70	-5.450	-0.0031	-2.5 to 2.5	Pass
				40	3.70	-0.715	-0.0004	-2.5 to 2.5	Pass
				50	3.70	-1.602	-0.0009	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.30	-6.437	-0.0037	-2.5 to 2.5	Pass
					3.70	-9.642	-0.0055	-2.5 to 2.5	Pass

					4.00	-11.702	-0.0067	-2.5 to 2.5	Pass
				-30	3.70	-10.014	-0.0057	-2.5 to 2.5	Pass
				-20	3.70	-9.885	-0.0056	-2.5 to 2.5	Pass
				-10	3.70	-4.234	-0.0024	-2.5 to 2.5	Pass
				0	3.70	-5.894	-0.0034	-2.5 to 2.5	Pass
				10	3.70	-9.384	-0.0054	-2.5 to 2.5	Pass
				30	3.70	-6.909	-0.0039	-2.5 to 2.5	Pass
				40	3.70	-3.033	-0.0017	-2.5 to 2.5	Pass
				50	3.70	-11.287	-0.0064	-2.5 to 2.5	Pass
16QAM	1712.5	25	0	20	3.30	-10.443	-0.0061	-2.5 to 2.5	Pass
					3.70	-11.230	-0.0066	-2.5 to 2.5	Pass
					4.00	0.529	0.0003	-2.5 to 2.5	Pass
				-30	3.70	1.202	0.0007	-2.5 to 2.5	Pass
				-20	3.70	-4.449	-0.0026	-2.5 to 2.5	Pass
				-10	3.70	-5.479	-0.0032	-2.5 to 2.5	Pass
				0	3.70	-4.764	-0.0028	-2.5 to 2.5	Pass
				10	3.70	-5.379	-0.0031	-2.5 to 2.5	Pass
				30	3.70	-4.964	-0.0029	-2.5 to 2.5	Pass
				40	3.70	-7.153	-0.0042	-2.5 to 2.5	Pass
				50	3.70	-0.572	-0.0003	-2.5 to 2.5	Pass
	1732.5	25	0	20	3.30	-2.303	-0.0013	-2.5 to 2.5	Pass
					3.70	-9.112	-0.0053	-2.5 to 2.5	Pass
					4.00	-17.381	-0.0100	-2.5 to 2.5	Pass
				-30	3.70	1.473	0.0009	-2.5 to 2.5	Pass
				-20	3.70	-3.834	-0.0022	-2.5 to 2.5	Pass
				-10	3.70	-10.700	-0.0062	-2.5 to 2.5	Pass
				0	3.70	-3.047	-0.0018	-2.5 to 2.5	Pass
				10	3.70	-9.069	-0.0052	-2.5 to 2.5	Pass
				30	3.70	-6.552	-0.0038	-2.5 to 2.5	Pass
				40	3.70	-8.798	-0.0051	-2.5 to 2.5	Pass
				50	3.70	-6.580	-0.0038	-2.5 to 2.5	Pass
	1752.5	25	0	20	3.30	-3.920	-0.0022	-2.5 to 2.5	Pass
					3.70	-2.789	-0.0016	-2.5 to 2.5	Pass
					4.00	-3.562	-0.0020	-2.5 to 2.5	Pass
				-30	3.70	-3.018	-0.0017	-2.5 to 2.5	Pass
				-20	3.70	-6.266	-0.0036	-2.5 to 2.5	Pass
				-10	3.70	-8.483	-0.0048	-2.5 to 2.5	Pass
				0	3.70	-3.061	-0.0017	-2.5 to 2.5	Pass
				10	3.70	-9.799	-0.0056	-2.5 to 2.5	Pass
				30	3.70	2.160	0.0012	-2.5 to 2.5	Pass
				40	3.70	2.174	0.0012	-2.5 to 2.5	Pass
				50	3.70	-5.536	-0.0032	-2.5 to 2.5	Pass

2.4 B4_10MHz

2.4.1 Test Result

Band: 4 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1715	50	0	20	3.30	-10.772	-0.0063	-2.5 to 2.5	Pass
					3.70	-6.208	-0.0036	-2.5 to 2.5	Pass
					4.00	-6.609	-0.0039	-2.5 to 2.5	Pass
				-30	3.70	-10.114	-0.0059	-2.5 to 2.5	Pass
				-20	3.70	-10.428	-0.0061	-2.5 to 2.5	Pass
				-10	3.70	-6.666	-0.0039	-2.5 to 2.5	Pass
				0	3.70	-8.483	-0.0049	-2.5 to 2.5	Pass

				10	3.70	-4.563	-0.0027	-2.5 to 2.5	Pass
				30	3.70	-5.980	-0.0035	-2.5 to 2.5	Pass
				40	3.70	-7.095	-0.0041	-2.5 to 2.5	Pass
				50	3.70	-7.725	-0.0045	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.30	-6.266	-0.0036	-2.5 to 2.5	Pass
					3.70	0.300	0.0002	-2.5 to 2.5	Pass
					4.00	-4.206	-0.0024	-2.5 to 2.5	Pass
				-30	3.70	-3.762	-0.0022	-2.5 to 2.5	Pass
				-20	3.70	-2.632	-0.0015	-2.5 to 2.5	Pass
				-10	3.70	-3.834	-0.0022	-2.5 to 2.5	Pass
				0	3.70	-6.537	-0.0038	-2.5 to 2.5	Pass
				10	3.70	-5.307	-0.0031	-2.5 to 2.5	Pass
				30	3.70	-3.018	-0.0017	-2.5 to 2.5	Pass
				40	3.70	-1.631	-0.0009	-2.5 to 2.5	Pass
				50	3.70	-5.651	-0.0033	-2.5 to 2.5	Pass
	1750	50	0	20	3.30	-5.965	-0.0034	-2.5 to 2.5	Pass
					3.70	-8.440	-0.0048	-2.5 to 2.5	Pass
					4.00	-4.735	-0.0027	-2.5 to 2.5	Pass
				-30	3.70	-6.108	-0.0035	-2.5 to 2.5	Pass
				-20	3.70	-6.595	-0.0038	-2.5 to 2.5	Pass
				-10	3.70	-4.406	-0.0025	-2.5 to 2.5	Pass
				0	3.70	-6.709	-0.0038	-2.5 to 2.5	Pass
				10	3.70	-6.952	-0.0040	-2.5 to 2.5	Pass
				30	3.70	-5.851	-0.0033	-2.5 to 2.5	Pass
				40	3.70	0.401	0.0002	-2.5 to 2.5	Pass
				50	3.70	-4.849	-0.0028	-2.5 to 2.5	Pass
16QAM	1715	50	0	20	3.30	-3.948	-0.0023	-2.5 to 2.5	Pass
					3.70	-9.127	-0.0053	-2.5 to 2.5	Pass
					4.00	-8.011	-0.0047	-2.5 to 2.5	Pass
				-30	3.70	-7.195	-0.0042	-2.5 to 2.5	Pass
				-20	3.70	-5.894	-0.0034	-2.5 to 2.5	Pass
				-10	3.70	-10.729	-0.0063	-2.5 to 2.5	Pass
				0	3.70	-6.552	-0.0038	-2.5 to 2.5	Pass
				10	3.70	-8.798	-0.0051	-2.5 to 2.5	Pass
				30	3.70	-8.640	-0.0050	-2.5 to 2.5	Pass
				40	3.70	-6.080	-0.0035	-2.5 to 2.5	Pass
				50	3.70	-6.595	-0.0038	-2.5 to 2.5	Pass
	1732.5	50	0	20	3.30	-2.804	-0.0016	-2.5 to 2.5	Pass
					3.70	-5.422	-0.0031	-2.5 to 2.5	Pass
					4.00	-2.232	-0.0013	-2.5 to 2.5	Pass
				-30	3.70	-6.366	-0.0037	-2.5 to 2.5	Pass
				-20	3.70	-8.397	-0.0048	-2.5 to 2.5	Pass
				-10	3.70	-9.813	-0.0057	-2.5 to 2.5	Pass
				0	3.70	-4.134	-0.0024	-2.5 to 2.5	Pass
				10	3.70	-3.290	-0.0019	-2.5 to 2.5	Pass
				30	3.70	-8.183	-0.0047	-2.5 to 2.5	Pass
				40	3.70	-5.851	-0.0034	-2.5 to 2.5	Pass
				50	3.70	-7.739	-0.0045	-2.5 to 2.5	Pass
	1750	50	0	20	3.30	-3.991	-0.0023	-2.5 to 2.5	Pass
					3.70	-4.420	-0.0025	-2.5 to 2.5	Pass
					4.00	-6.752	-0.0039	-2.5 to 2.5	Pass
				-30	3.70	-8.383	-0.0048	-2.5 to 2.5	Pass
				-20	3.70	-2.389	-0.0014	-2.5 to 2.5	Pass
				-10	3.70	-0.157	-0.0001	-2.5 to 2.5	Pass
				0	3.70	-2.718	-0.0016	-2.5 to 2.5	Pass
				10	3.70	-4.692	-0.0027	-2.5 to 2.5	Pass
				30	3.70	-1.874	-0.0011	-2.5 to 2.5	Pass
				40	3.70	0.243	0.0001	-2.5 to 2.5	Pass
				50	3.70	-3.705	-0.0021	-2.5 to 2.5	Pass

2.5 B4_15MHz

2.5.1 Test Result

Band: 4 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1717.5	75	0	20	3.30	-7.968	-0.0046	-2.5 to 2.5	Pass
					3.70	-7.367	-0.0043	-2.5 to 2.5	Pass
					4.00	-1.860	-0.0011	-2.5 to 2.5	Pass
				-30	3.70	-2.818	-0.0016	-2.5 to 2.5	Pass
				-20	3.70	-5.894	-0.0034	-2.5 to 2.5	Pass
				-10	3.70	-3.676	-0.0021	-2.5 to 2.5	Pass
				0	3.70	-6.967	-0.0041	-2.5 to 2.5	Pass
				10	3.70	-2.646	-0.0015	-2.5 to 2.5	Pass
				30	3.70	-5.279	-0.0031	-2.5 to 2.5	Pass
				40	3.70	-3.691	-0.0021	-2.5 to 2.5	Pass
				50	3.70	-6.452	-0.0038	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.30	-7.095	-0.0041	-2.5 to 2.5	Pass
					3.70	-4.148	-0.0024	-2.5 to 2.5	Pass
					4.00	-6.523	-0.0038	-2.5 to 2.5	Pass
				-30	3.70	-8.311	-0.0048	-2.5 to 2.5	Pass
				-20	3.70	-7.353	-0.0042	-2.5 to 2.5	Pass
				-10	3.70	-5.093	-0.0029	-2.5 to 2.5	Pass
				0	3.70	-4.234	-0.0024	-2.5 to 2.5	Pass
				10	3.70	0.100	0.0001	-2.5 to 2.5	Pass
				30	3.70	-5.336	-0.0031	-2.5 to 2.5	Pass
				40	3.70	-5.007	-0.0029	-2.5 to 2.5	Pass
				50	3.70	-2.503	-0.0014	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.30	-6.251	-0.0036	-2.5 to 2.5	Pass
					3.70	-5.822	-0.0033	-2.5 to 2.5	Pass
					4.00	-6.995	-0.0040	-2.5 to 2.5	Pass
				-30	3.70	-5.922	-0.0034	-2.5 to 2.5	Pass
				-20	3.70	-2.575	-0.0015	-2.5 to 2.5	Pass
				-10	3.70	-4.506	-0.0026	-2.5 to 2.5	Pass
				0	3.70	-5.822	-0.0033	-2.5 to 2.5	Pass
				10	3.70	-3.333	-0.0019	-2.5 to 2.5	Pass
				30	3.70	-4.849	-0.0028	-2.5 to 2.5	Pass
				40	3.70	-5.937	-0.0034	-2.5 to 2.5	Pass
				50	3.70	-9.470	-0.0054	-2.5 to 2.5	Pass
16QAM	1717.5	75	0	20	3.30	-4.606	-0.0027	-2.5 to 2.5	Pass
					3.70	-4.864	-0.0028	-2.5 to 2.5	Pass
					4.00	-5.050	-0.0029	-2.5 to 2.5	Pass
				-30	3.70	-5.121	-0.0030	-2.5 to 2.5	Pass
				-20	3.70	-6.366	-0.0037	-2.5 to 2.5	Pass
				-10	3.70	-7.224	-0.0042	-2.5 to 2.5	Pass
				0	3.70	-8.326	-0.0048	-2.5 to 2.5	Pass
				10	3.70	-5.665	-0.0033	-2.5 to 2.5	Pass
				30	3.70	-4.692	-0.0027	-2.5 to 2.5	Pass
				40	3.70	-5.350	-0.0031	-2.5 to 2.5	Pass
				50	3.70	-6.223	-0.0036	-2.5 to 2.5	Pass
	1732.5	75	0	20	3.30	-4.792	-0.0028	-2.5 to 2.5	Pass
					3.70	-1.874	-0.0011	-2.5 to 2.5	Pass
					4.00	-4.163	-0.0024	-2.5 to 2.5	Pass
				-30	3.70	-5.078	-0.0029	-2.5 to 2.5	Pass
				-20	3.70	-6.909	-0.0040	-2.5 to 2.5	Pass

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

				-10	3.70	-5.479	-0.0032	-2.5 to 2.5	Pass
				0	3.70	-6.237	-0.0036	-2.5 to 2.5	Pass
				10	3.70	-0.072	0.0000	-2.5 to 2.5	Pass
				30	3.70	-3.362	-0.0019	-2.5 to 2.5	Pass
				40	3.70	-2.403	-0.0014	-2.5 to 2.5	Pass
				50	3.70	-5.622	-0.0032	-2.5 to 2.5	Pass
	1747.5	75	0	20	3.30	-3.691	-0.0021	-2.5 to 2.5	Pass
					3.70	-4.306	-0.0025	-2.5 to 2.5	Pass
					4.00	-2.646	-0.0015	-2.5 to 2.5	Pass
				-30	3.70	-7.682	-0.0044	-2.5 to 2.5	Pass
				-20	3.70	-1.488	-0.0009	-2.5 to 2.5	Pass
				-10	3.70	-5.193	-0.0030	-2.5 to 2.5	Pass
				0	3.70	-6.709	-0.0038	-2.5 to 2.5	Pass
				10	3.70	-3.862	-0.0022	-2.5 to 2.5	Pass
				30	3.70	-4.950	-0.0028	-2.5 to 2.5	Pass
				40	3.70	-1.373	-0.0008	-2.5 to 2.5	Pass
				50	3.70	-6.509	-0.0037	-2.5 to 2.5	Pass

2.6 B4_20MHz

2.6.1 Test Result

Band: 4 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1720	100	0	20	3.30	-5.722	-0.0033	-2.5 to 2.5	Pass
					3.70	-3.648	-0.0021	-2.5 to 2.5	Pass
					4.00	-5.550	-0.0032	-2.5 to 2.5	Pass
				-30	3.70	-1.874	-0.0011	-2.5 to 2.5	Pass
				-20	3.70	-6.194	-0.0036	-2.5 to 2.5	Pass
				-10	3.70	-6.495	-0.0038	-2.5 to 2.5	Pass
				0	3.70	-6.037	-0.0035	-2.5 to 2.5	Pass
				10	3.70	-3.033	-0.0018	-2.5 to 2.5	Pass
				30	3.70	-5.665	-0.0033	-2.5 to 2.5	Pass
				40	3.70	-3.834	-0.0022	-2.5 to 2.5	Pass
				50	3.70	-6.065	-0.0035	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.30	-5.007	-0.0029	-2.5 to 2.5	Pass
					3.70	-5.493	-0.0032	-2.5 to 2.5	Pass
					4.00	-4.921	-0.0028	-2.5 to 2.5	Pass
				-30	3.70	-5.779	-0.0033	-2.5 to 2.5	Pass
				-20	3.70	-6.094	-0.0035	-2.5 to 2.5	Pass
				-10	3.70	-4.578	-0.0026	-2.5 to 2.5	Pass
				0	3.70	-5.336	-0.0031	-2.5 to 2.5	Pass
				10	3.70	-7.410	-0.0043	-2.5 to 2.5	Pass
				30	3.70	-6.180	-0.0036	-2.5 to 2.5	Pass
				40	3.70	-7.095	-0.0041	-2.5 to 2.5	Pass
				50	3.70	-7.782	-0.0045	-2.5 to 2.5	Pass
	1745	100	0	20	3.30	-3.991	-0.0023	-2.5 to 2.5	Pass
					3.70	-1.445	-0.0008	-2.5 to 2.5	Pass
					4.00	-6.037	-0.0035	-2.5 to 2.5	Pass
				-30	3.70	-3.176	-0.0018	-2.5 to 2.5	Pass
				-20	3.70	-3.405	-0.0020	-2.5 to 2.5	Pass
				-10	3.70	-3.405	-0.0020	-2.5 to 2.5	Pass
				0	3.70	-1.974	-0.0011	-2.5 to 2.5	Pass
				10	3.70	-6.051	-0.0035	-2.5 to 2.5	Pass
				30	3.70	-2.947	-0.0017	-2.5 to 2.5	Pass
				40	3.70	-3.891	-0.0022	-2.5 to 2.5	Pass

Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

				50	3.70	0.057	0.0000	-2.5 to 2.5	Pass
16QAM	1720	100	0	20	3.30	-3.705	-0.0022	-2.5 to 2.5	Pass
					3.70	-6.094	-0.0035	-2.5 to 2.5	Pass
					4.00	-7.925	-0.0046	-2.5 to 2.5	Pass
				-30	3.70	-8.225	-0.0048	-2.5 to 2.5	Pass
				-20	3.70	-3.306	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	-6.337	-0.0037	-2.5 to 2.5	Pass
				0	3.70	-6.266	-0.0036	-2.5 to 2.5	Pass
				10	3.70	-5.078	-0.0030	-2.5 to 2.5	Pass
				30	3.70	-4.778	-0.0028	-2.5 to 2.5	Pass
				40	3.70	-3.691	-0.0021	-2.5 to 2.5	Pass
				50	3.70	-6.680	-0.0039	-2.5 to 2.5	Pass
	1732.5	100	0	20	3.30	-2.775	-0.0016	-2.5 to 2.5	Pass
					3.70	-5.751	-0.0033	-2.5 to 2.5	Pass
					4.00	-4.363	-0.0025	-2.5 to 2.5	Pass
				-30	3.70	-5.922	-0.0034	-2.5 to 2.5	Pass
				-20	3.70	-3.247	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	-7.439	-0.0043	-2.5 to 2.5	Pass
				0	3.70	-6.309	-0.0036	-2.5 to 2.5	Pass
				10	3.70	-1.845	-0.0011	-2.5 to 2.5	Pass
				30	3.70	-2.418	-0.0014	-2.5 to 2.5	Pass
				40	3.70	-4.005	-0.0023	-2.5 to 2.5	Pass
				50	3.70	-1.802	-0.0010	-2.5 to 2.5	Pass
	1745	100	0	20	3.30	-2.346	-0.0013	-2.5 to 2.5	Pass
					3.70	-0.443	-0.0003	-2.5 to 2.5	Pass
					4.00	-7.010	-0.0040	-2.5 to 2.5	Pass
				-30	3.70	-4.563	-0.0026	-2.5 to 2.5	Pass
				-20	3.70	1.001	0.0006	-2.5 to 2.5	Pass
				-10	3.70	-2.232	-0.0013	-2.5 to 2.5	Pass
				0	3.70	1.044	0.0006	-2.5 to 2.5	Pass
				10	3.70	-0.257	-0.0001	-2.5 to 2.5	Pass
				30	3.70	-1.903	-0.0011	-2.5 to 2.5	Pass
				40	3.70	-3.033	-0.0017	-2.5 to 2.5	Pass
				50	3.70	-0.744	-0.0004	-2.5 to 2.5	Pass

3. Modulation Characteristics

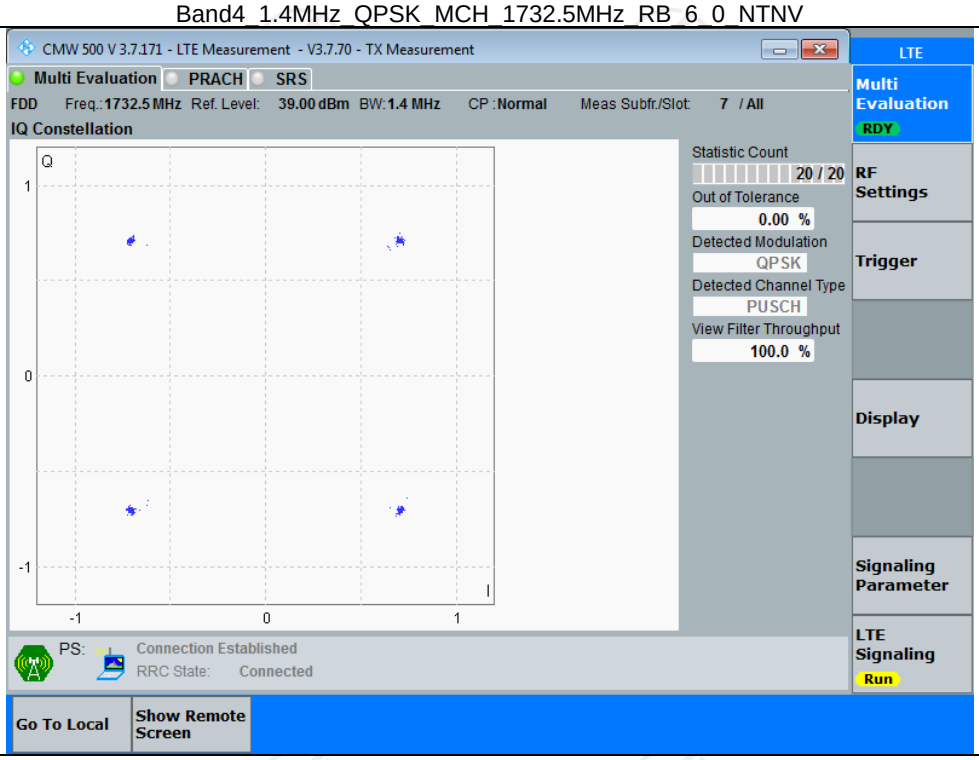
3.1 B4_1.4MHz

3.1.1 Test Result

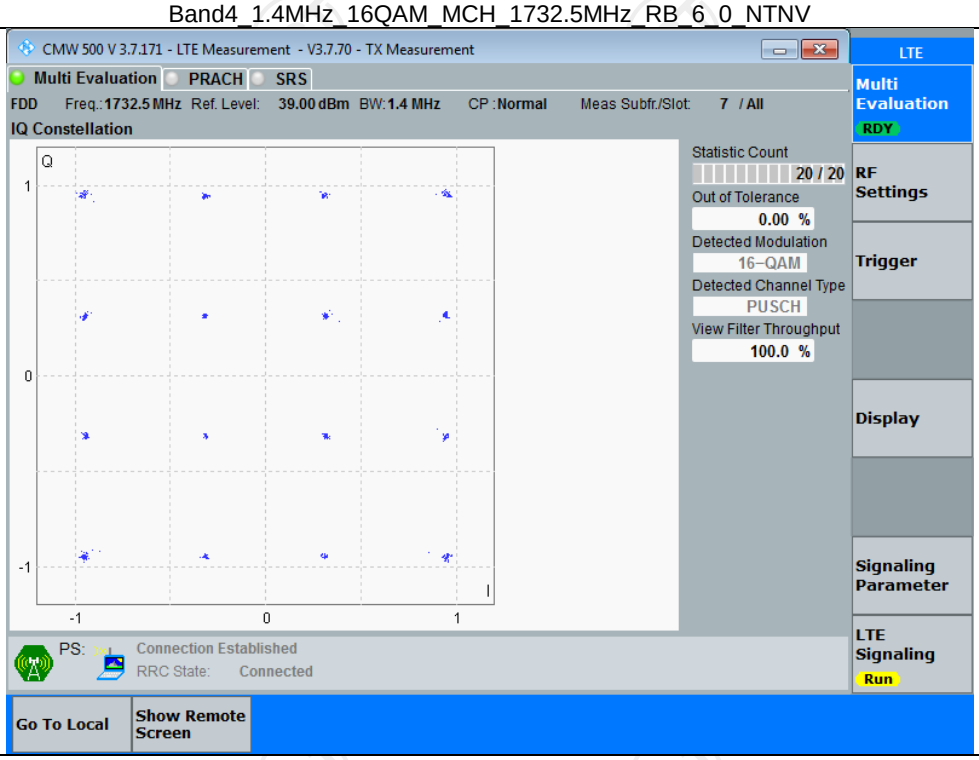
Band: 4 / Bandwidth: 1.4MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	6	0	Refer To Test Graph		Pass
16QAM	1732.5	6	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

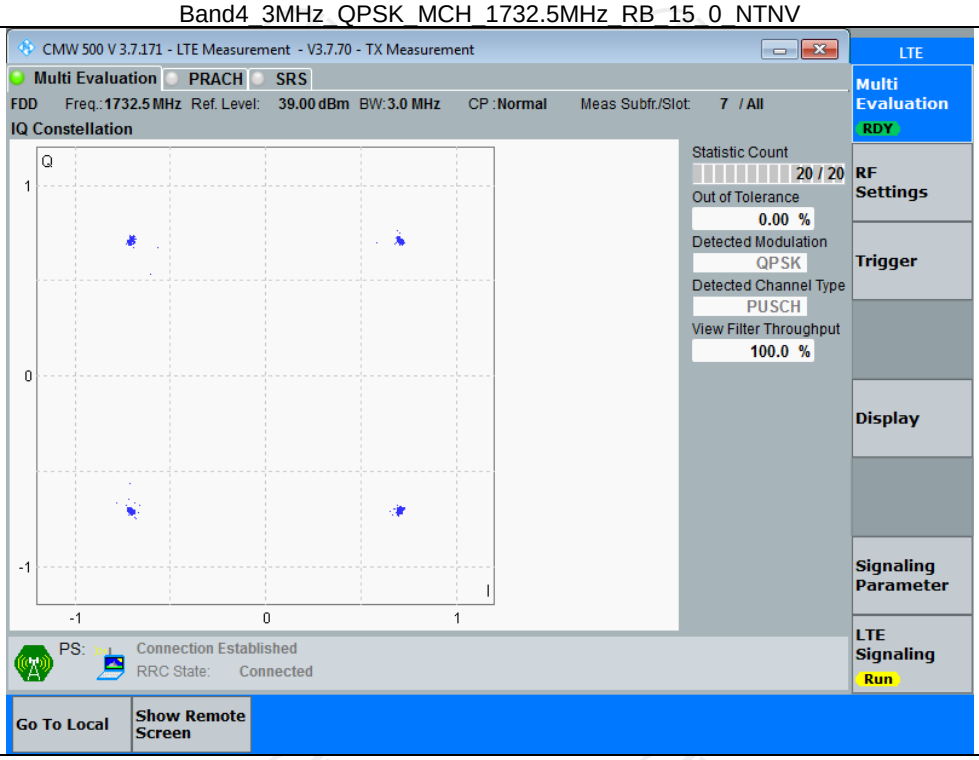
3.2 B4_3MHz

3.2.1 Test Result

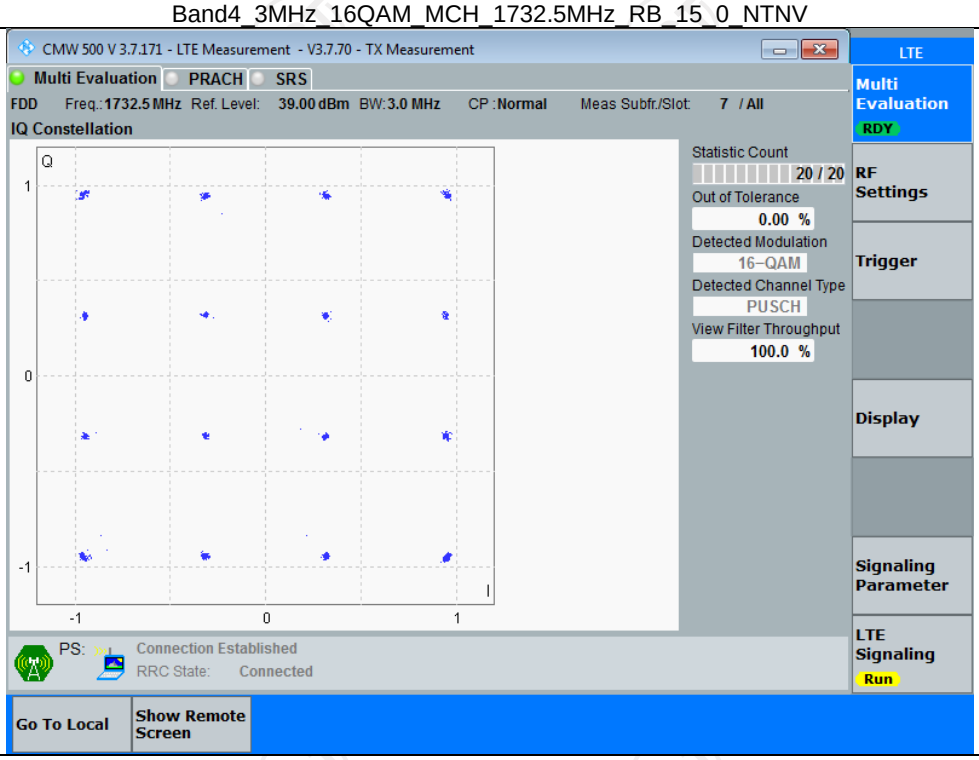
Band: 4 / Bandwidth: 3MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	15	0	Refer To Test Graph		Pass
16QAM	1732.5	15	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



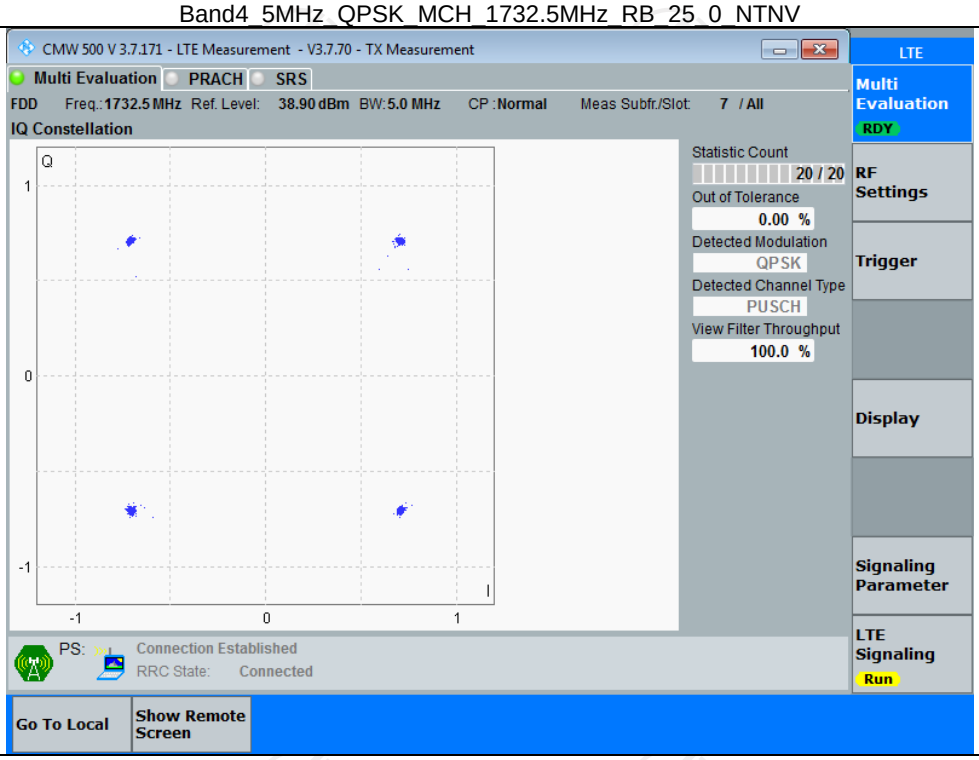
3.3 B4_5MHz

3.3.1 Test Result

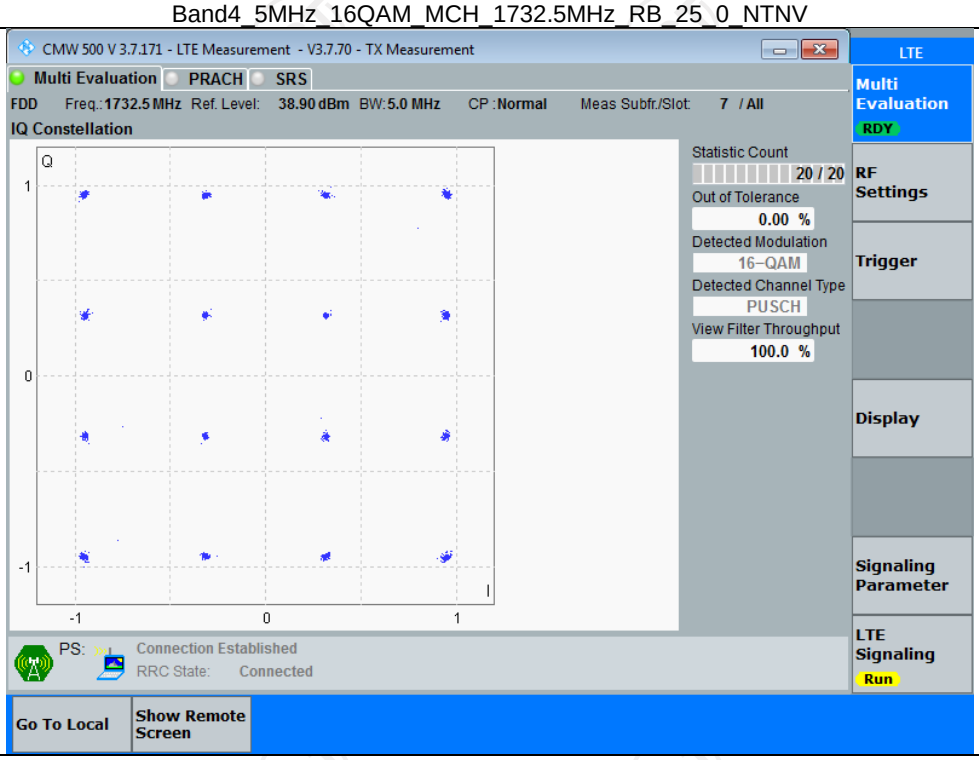
Band: 4 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	25	0	Refer To Test Graph		Pass
16QAM	1732.5	25	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



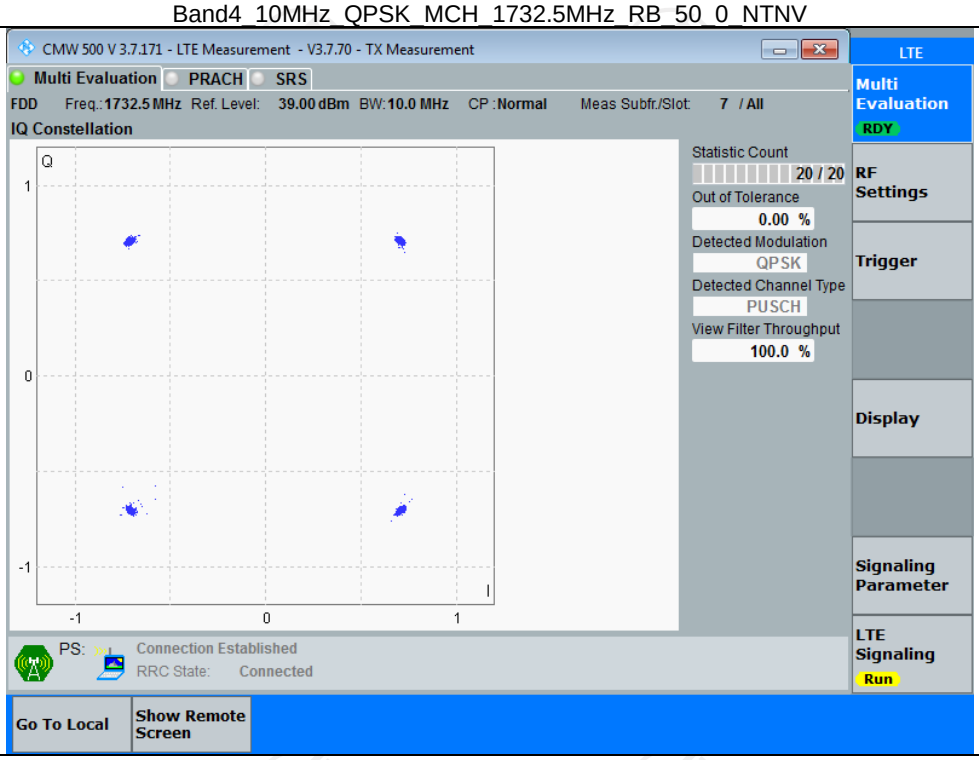
3.4 B4_10MHz

3.4.1 Test Result

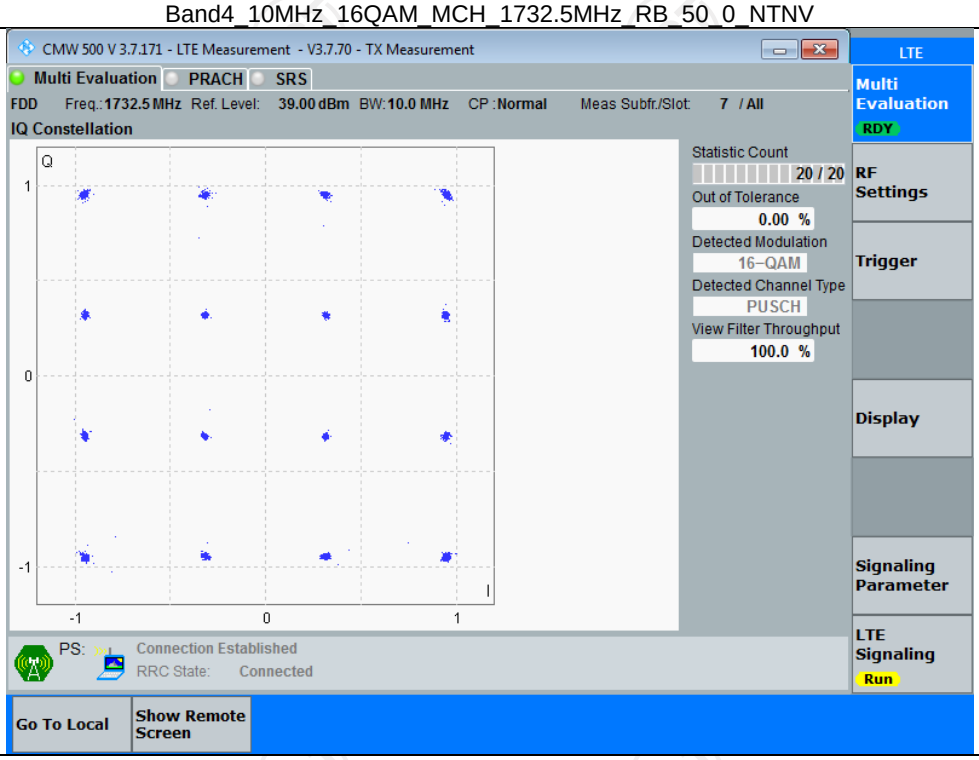
Band: 4 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	50	0	Refer To Test Graph		Pass
16QAM	1732.5	50	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV



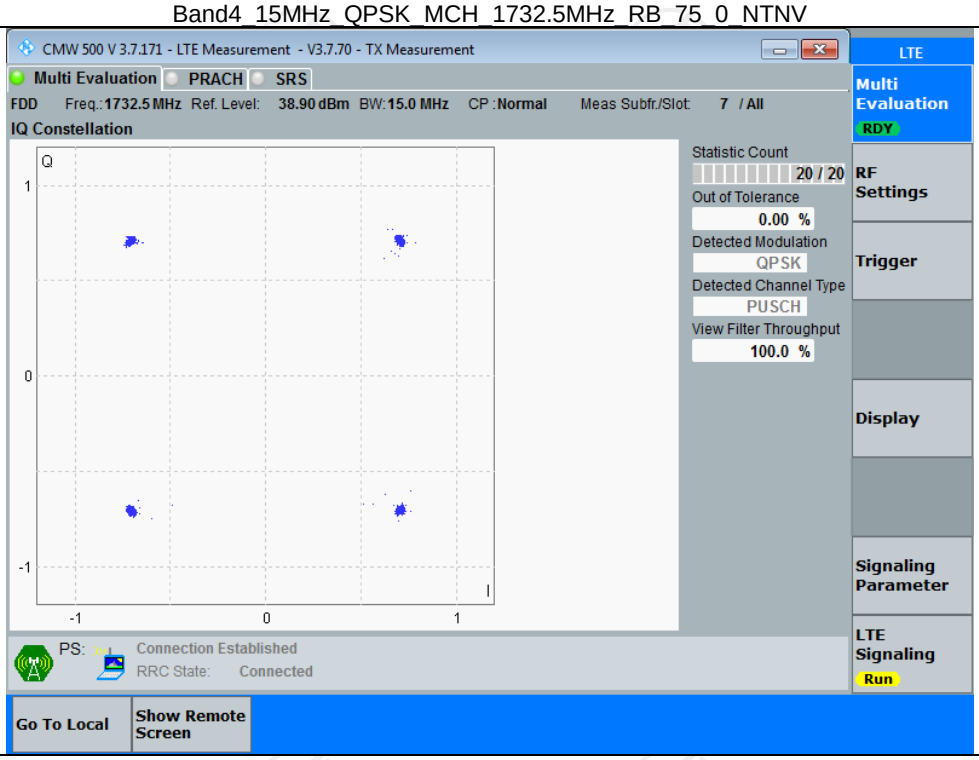
3.5 B4_15MHz

3.5.1 Test Result

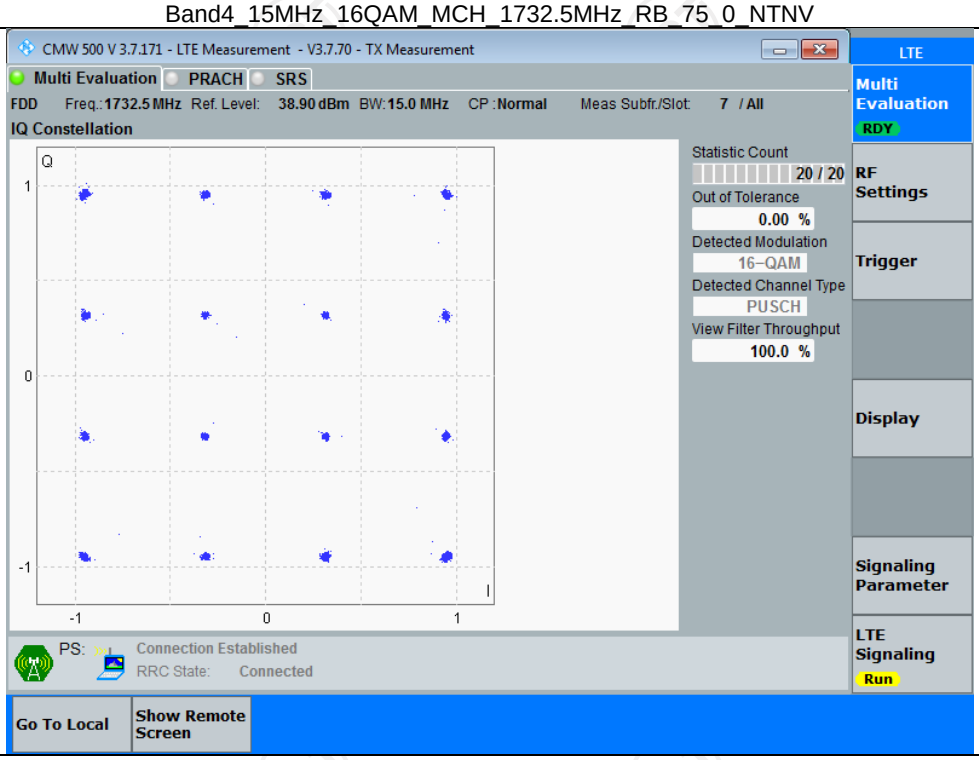
Band: 4 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	75	0	Refer To Test Graph		Pass
16QAM	1732.5	75	0	Refer To Test Graph		Pass

3.5.2 Test Graph

Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



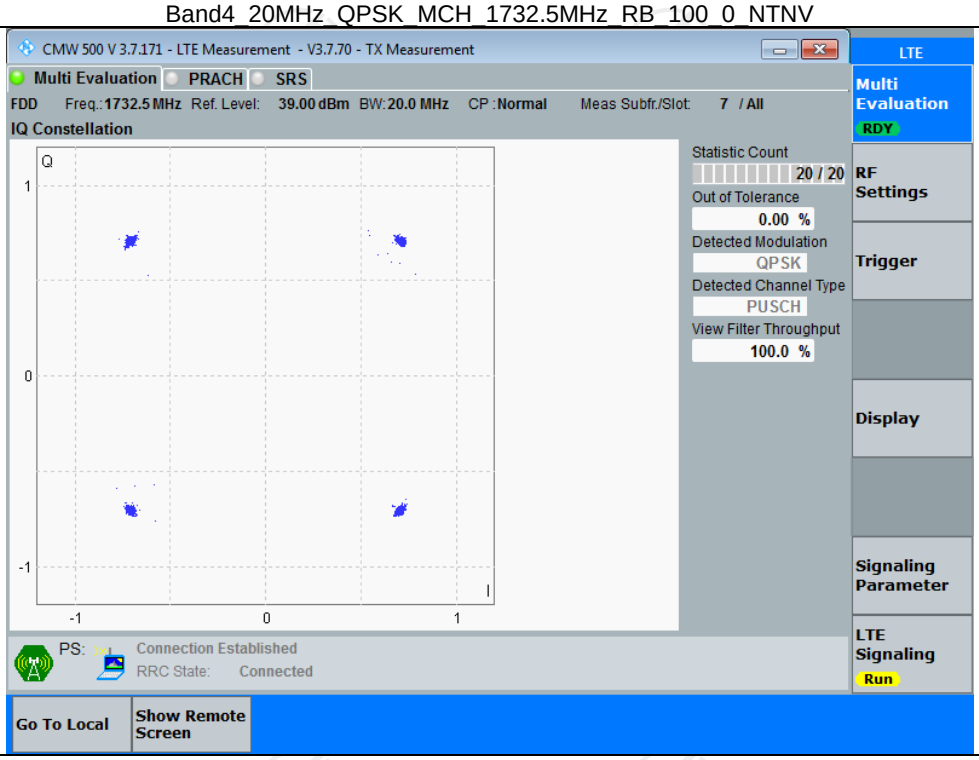
3.6 B4_20MHz

3.6.1 Test Result

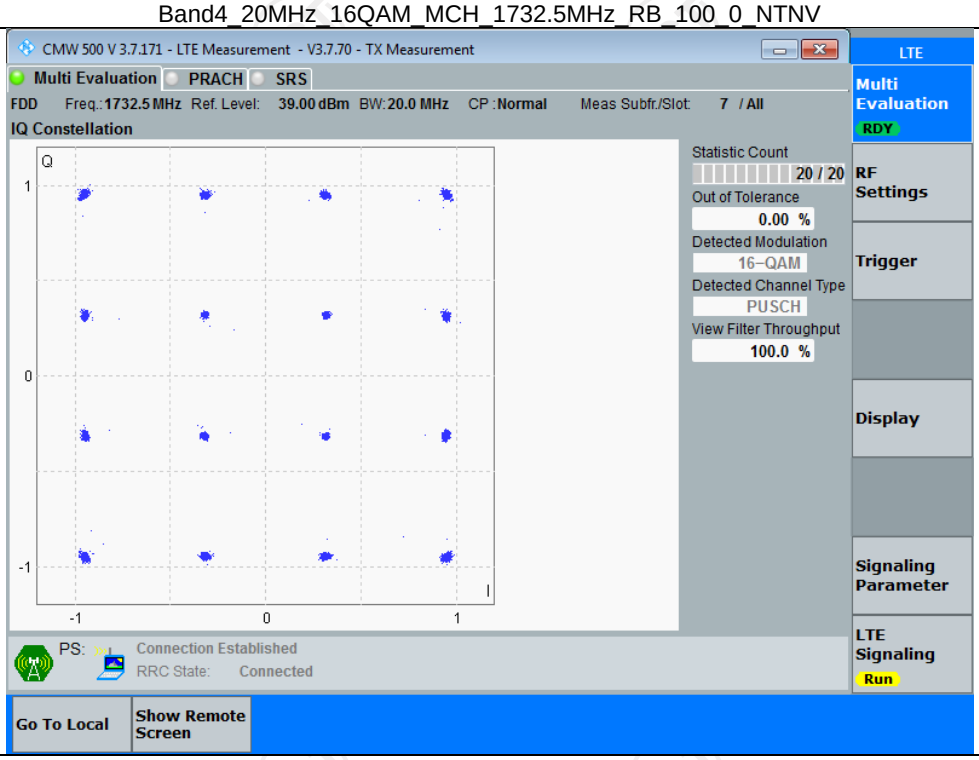
Band: 4 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	1732.5	100	0	Refer To Test Graph		Pass
16QAM	1732.5	100	0	Refer To Test Graph		Pass

3.6.2 Test Graph

Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

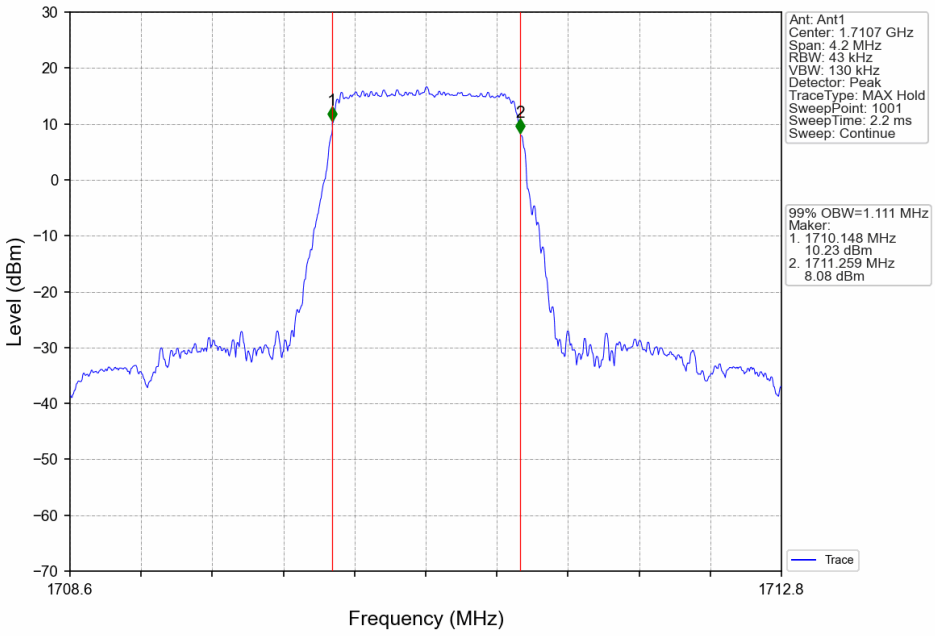
4.1 Band4_OBW

4.1.1 Test Result

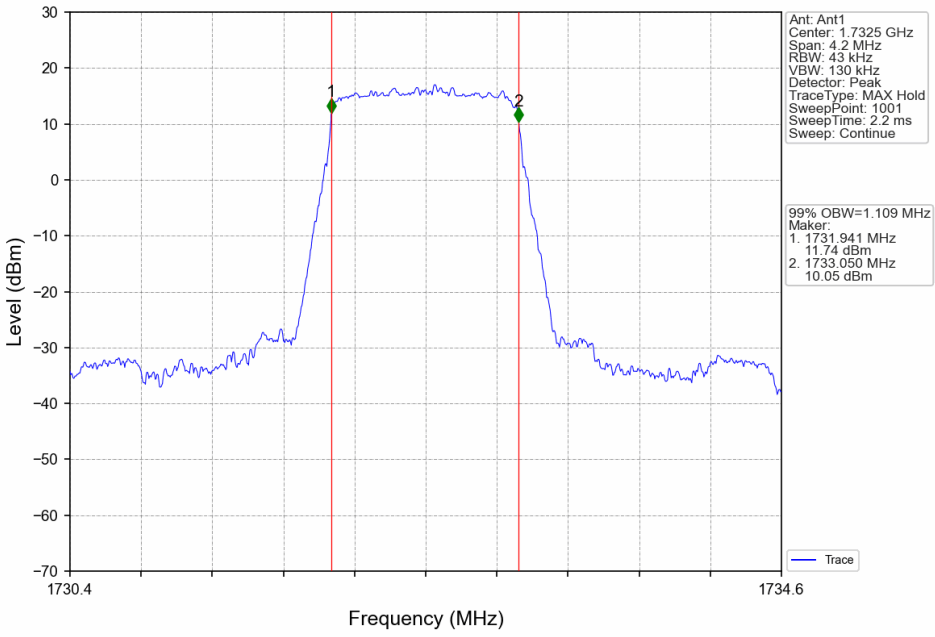
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.111	Pass
		1732.5	6	0	1.109	Pass
		1754.3	6	0	1.102	Pass
	16QAM	1710.7	6	0	1.104	Pass
		1732.5	6	0	1.107	Pass
		1754.3	6	0	1.112	Pass
3	QPSK	1711.5	15	0	2.721	Pass
		1732.5	15	0	2.719	Pass
		1753.5	15	0	2.723	Pass
	16QAM	1711.5	15	0	2.719	Pass
		1732.5	15	0	2.715	Pass
		1753.5	15	0	2.718	Pass
5	QPSK	1712.5	25	0	4.550	Pass
		1732.5	25	0	4.540	Pass
		1752.5	25	0	4.550	Pass
	16QAM	1712.5	25	0	4.522	Pass
		1732.5	25	0	4.563	Pass
		1752.5	25	0	4.528	Pass
10	QPSK	1715	50	0	9.028	Pass
		1732.5	50	0	9.042	Pass
		1750	50	0	9.042	Pass
	16QAM	1715	50	0	9.013	Pass
		1732.5	50	0	9.053	Pass
		1750	50	0	9.041	Pass
15	QPSK	1717.5	75	0	13.506	Pass
		1732.5	75	0	13.576	Pass
		1747.5	75	0	13.512	Pass
	16QAM	1717.5	75	0	13.567	Pass
		1732.5	75	0	13.606	Pass
		1747.5	75	0	13.527	Pass
20	QPSK	1720	100	0	18.062	Pass
		1732.5	100	0	18.138	Pass
		1745	100	0	17.987	Pass
	16QAM	1720	100	0	18.097	Pass
		1732.5	100	0	18.119	Pass
		1745	100	0	18.042	Pass

4.1.2 Test Graph

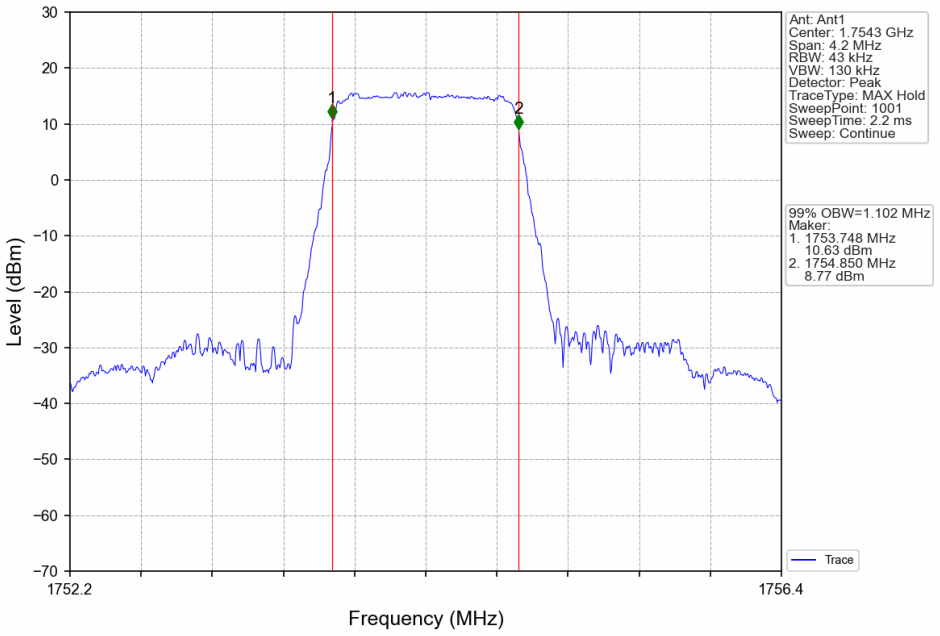
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



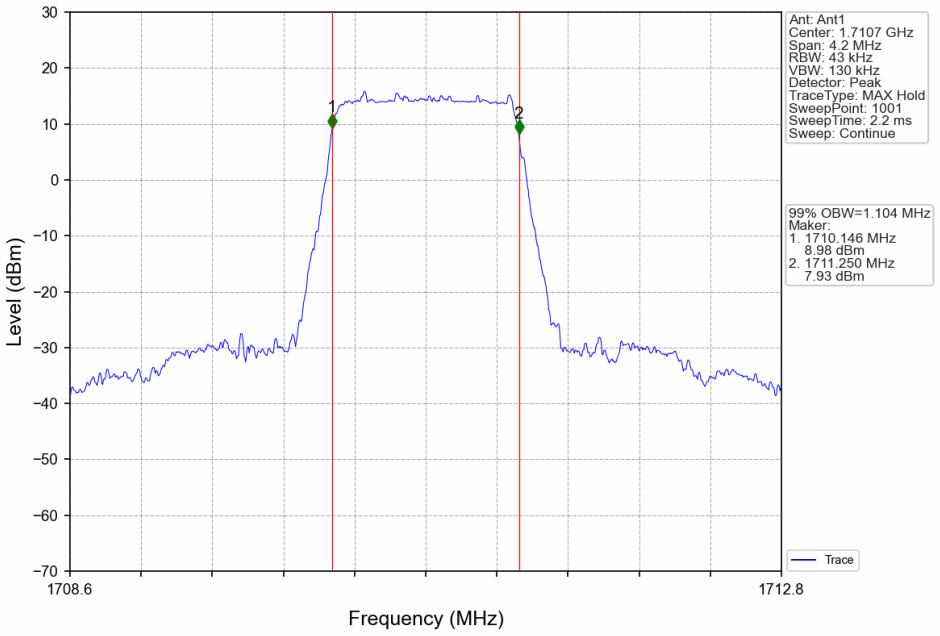
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



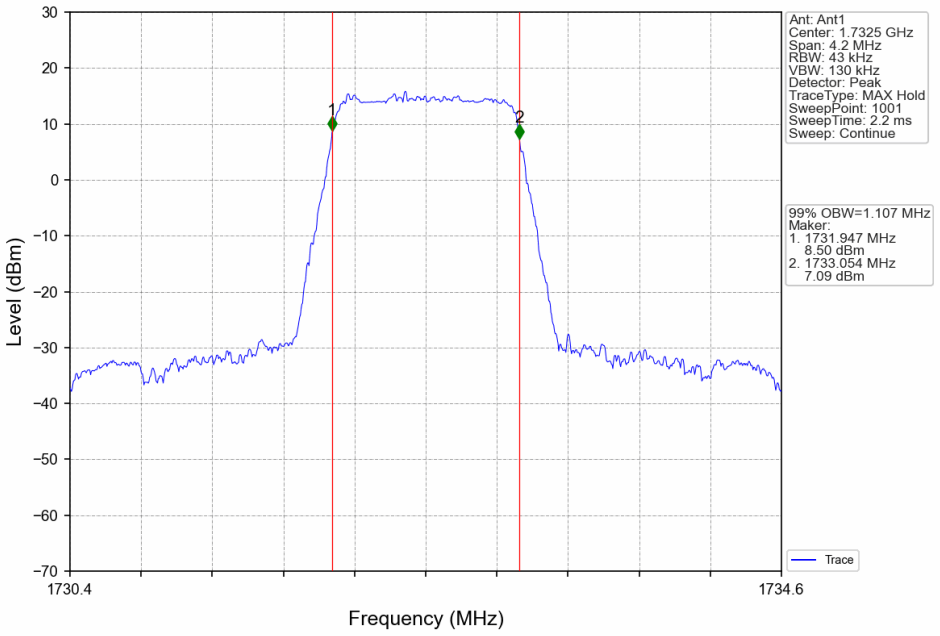
Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV



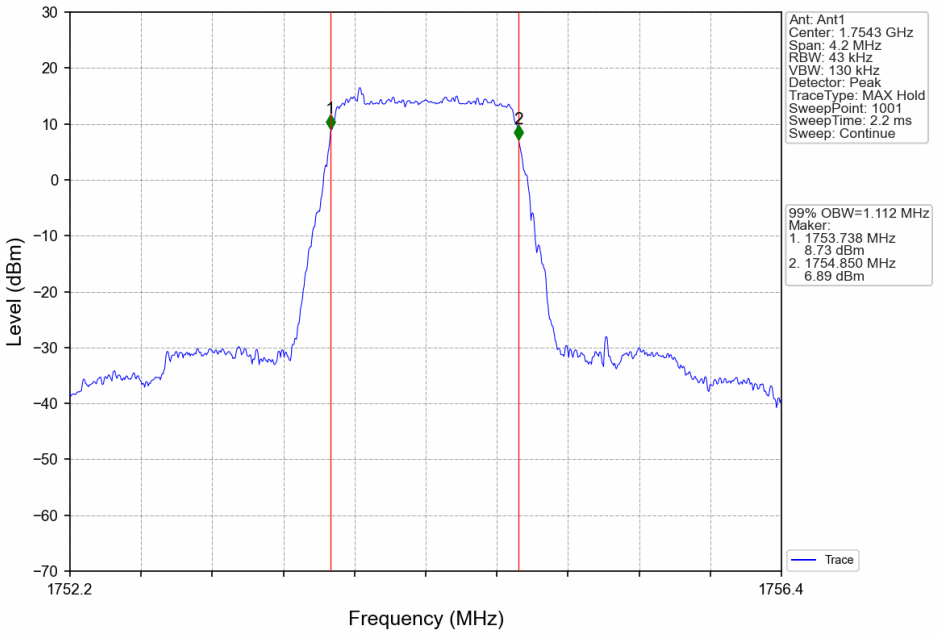
Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV



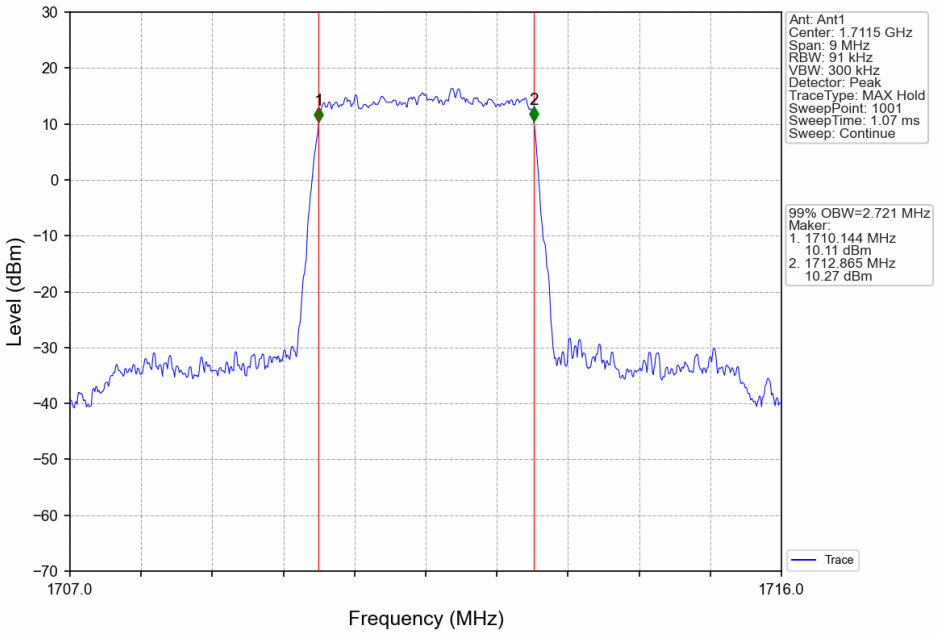
Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV



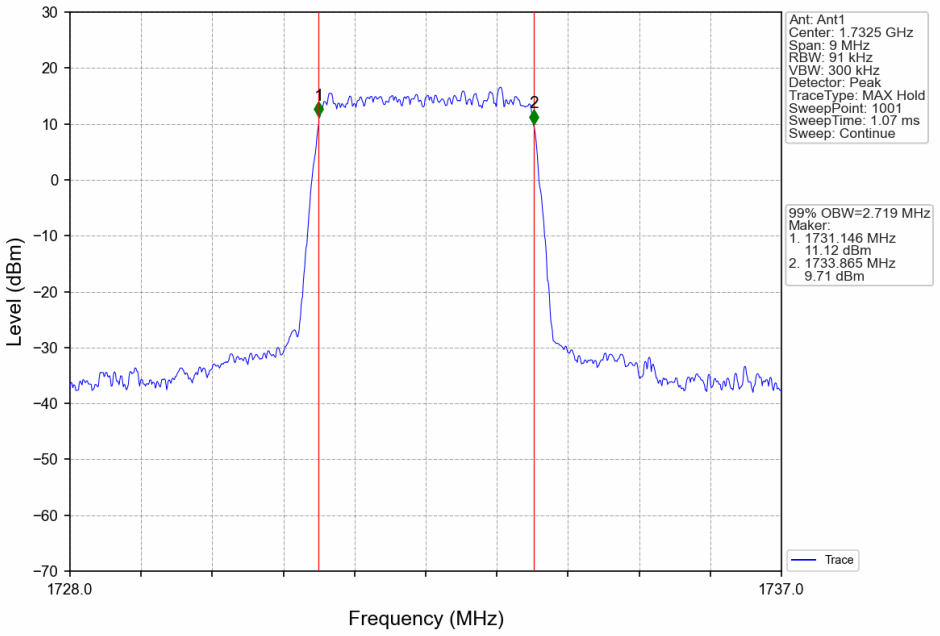
Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV



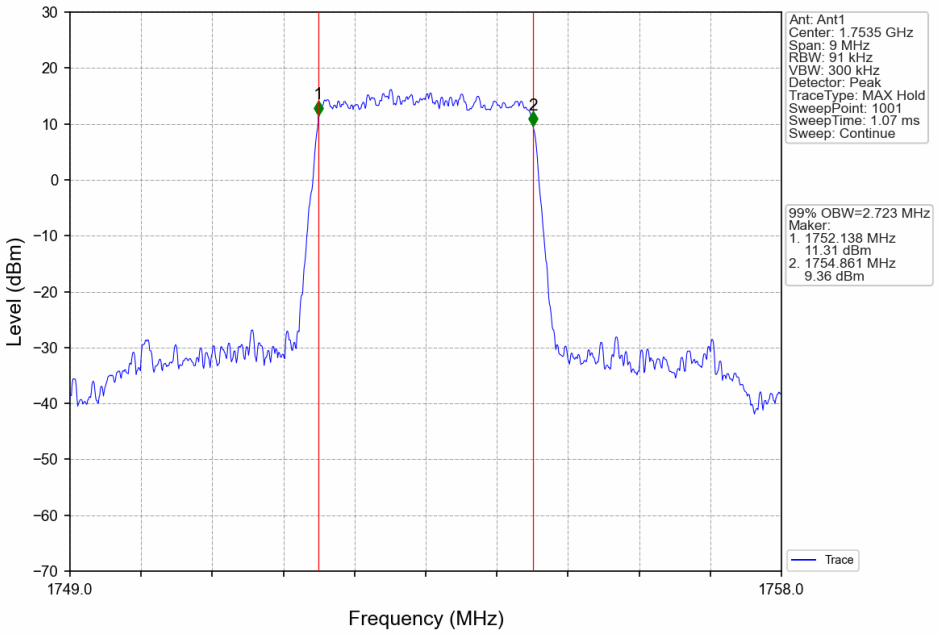
Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV



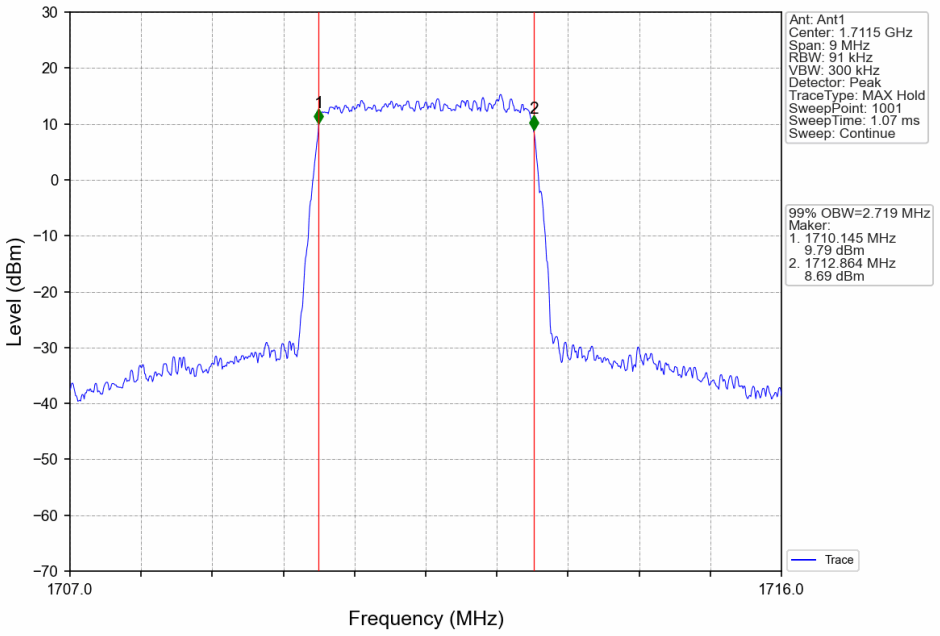
Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV



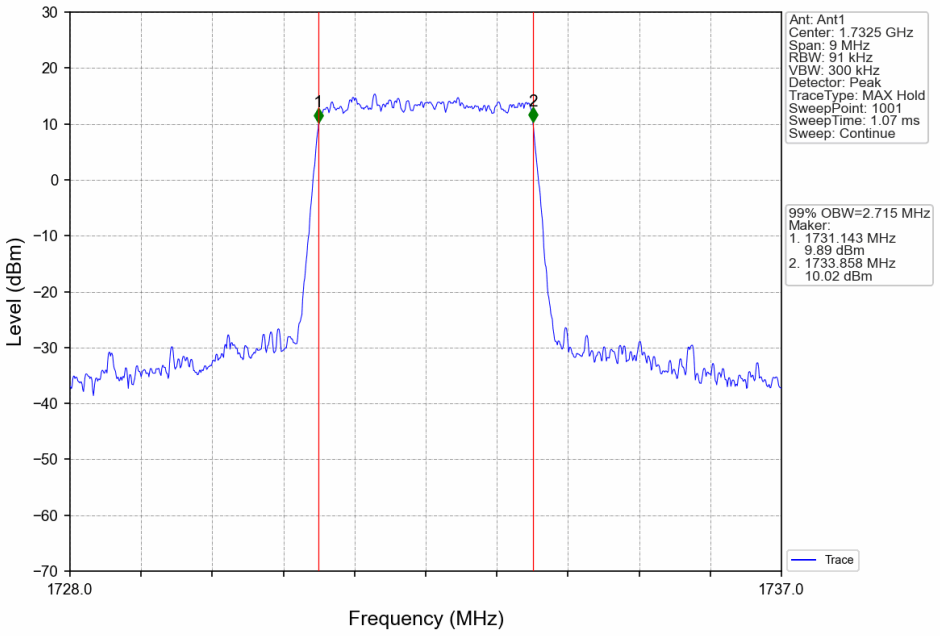
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



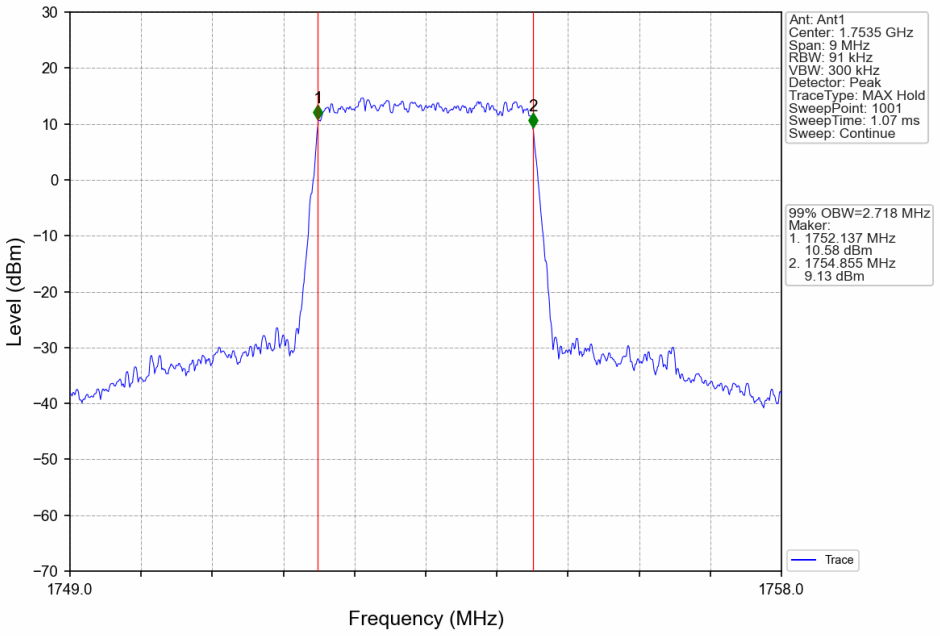
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



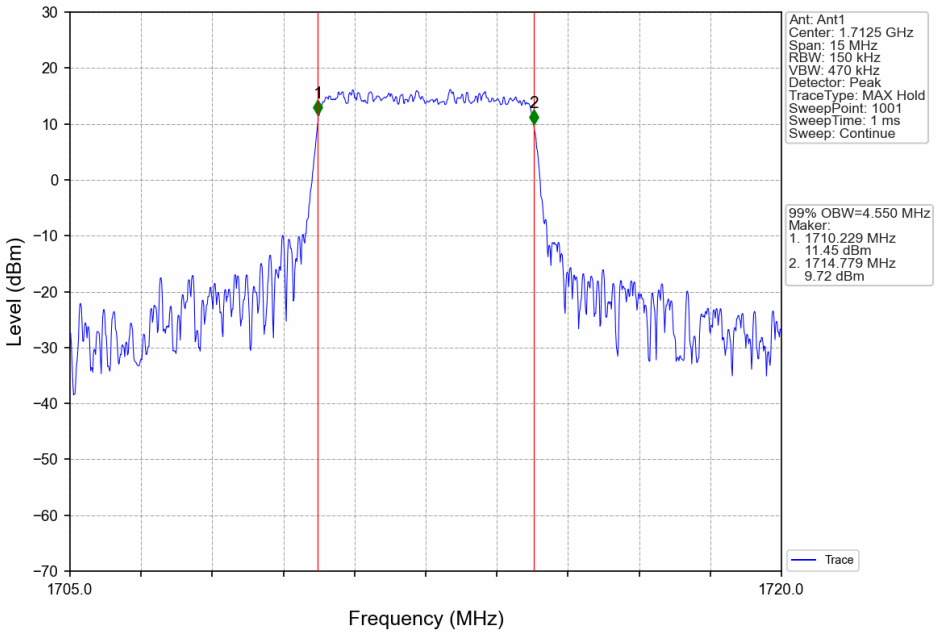
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



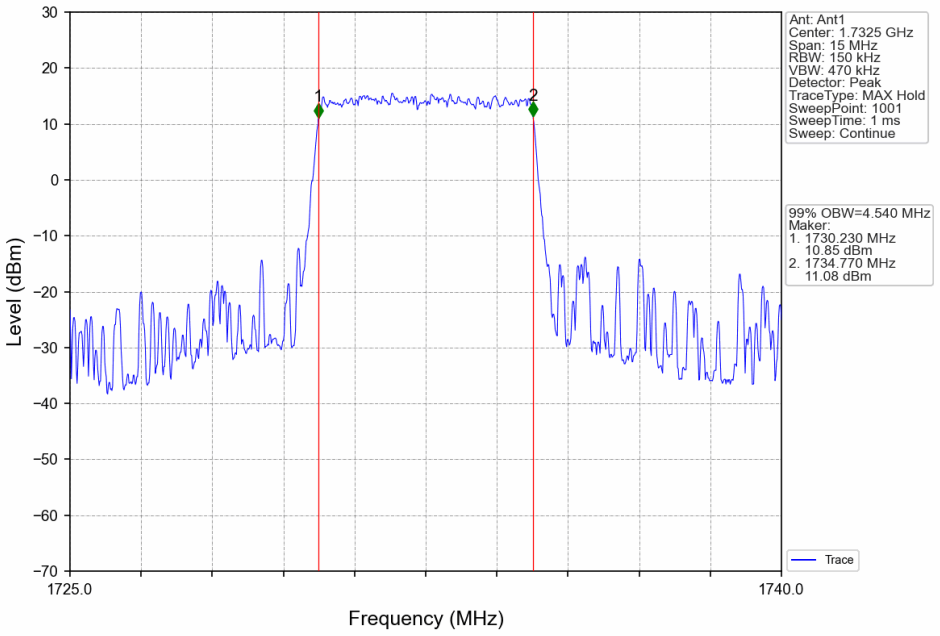
Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



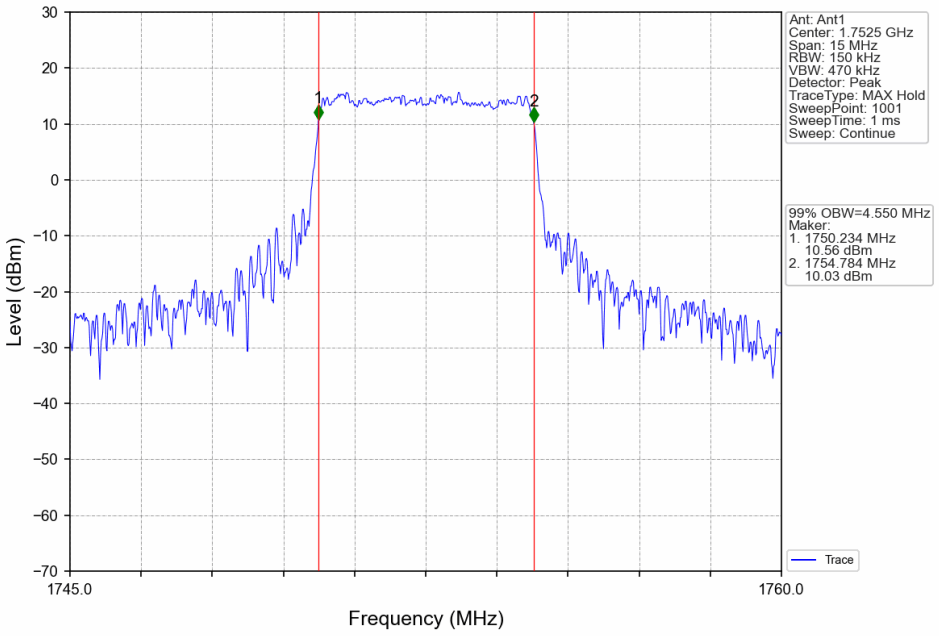
Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



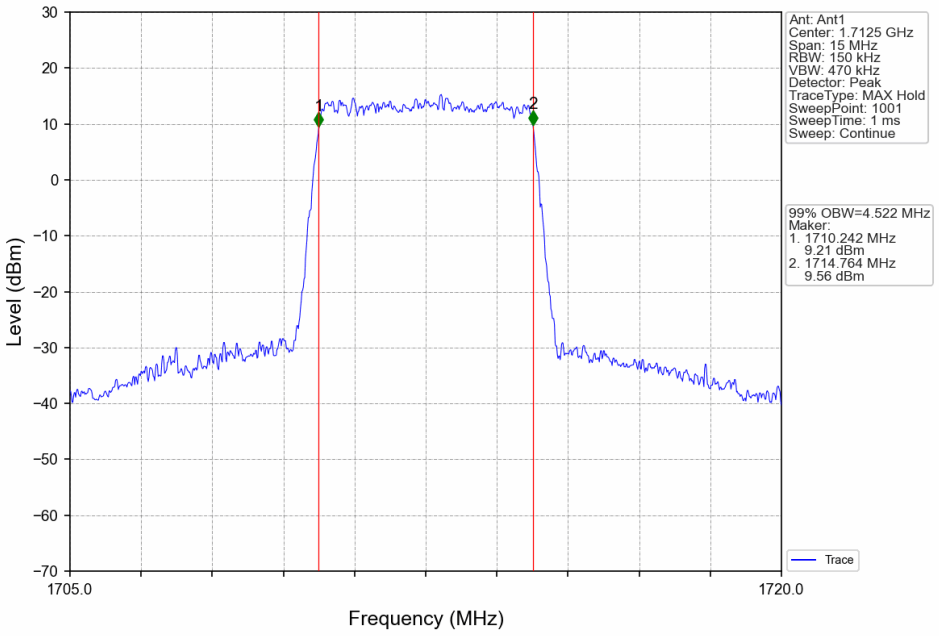
Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_HCH_1752.5MHz_RB_25_0_NTNV

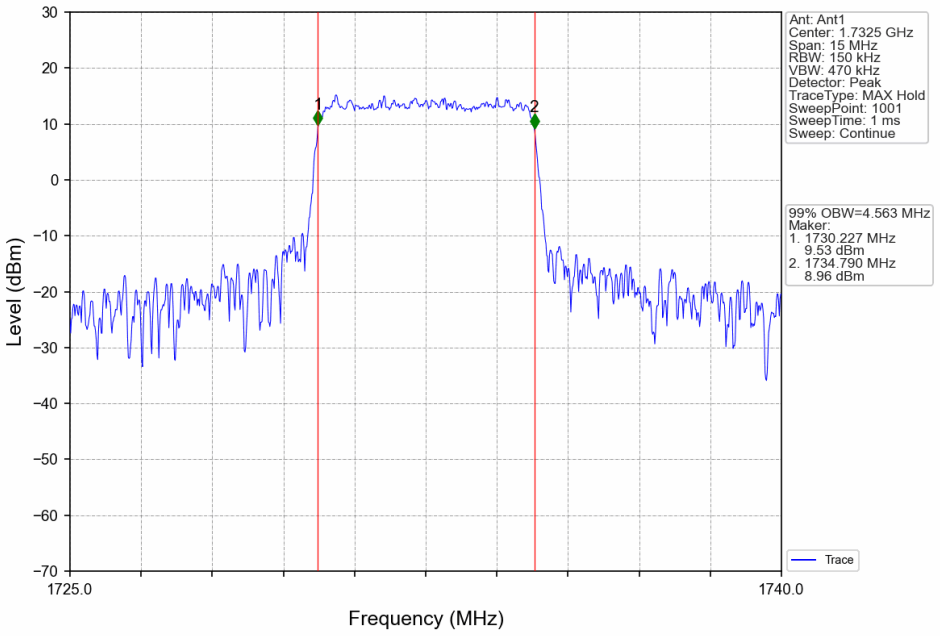


Band4_5MHz_16QAM_LCH_1712.5MHz_RB_25_0_NTNV

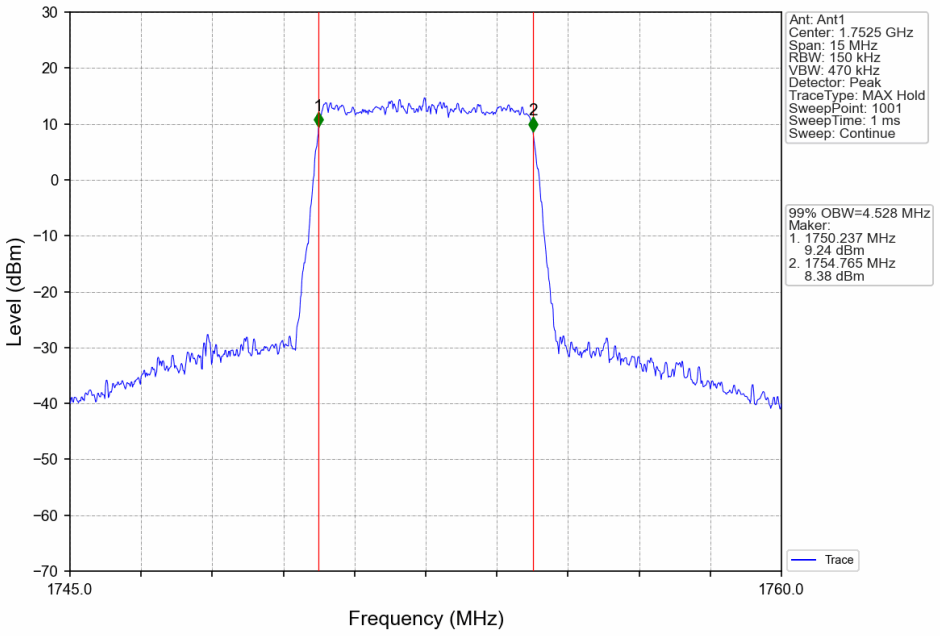


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

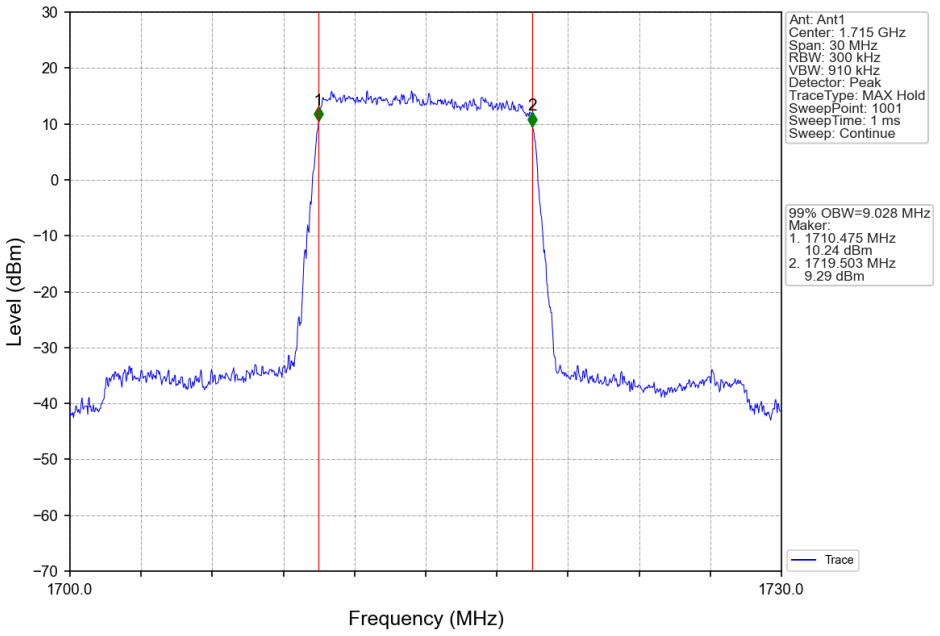
Band4_5MHz_16QAM_MCH_1732.5MHz_RB_25_0_NTNV



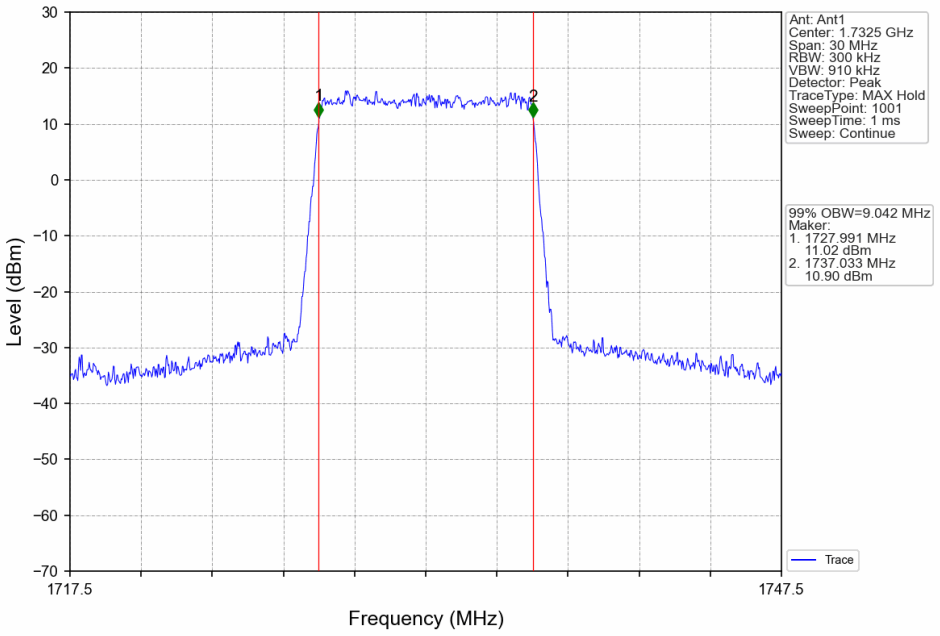
Band4_5MHz_16QAM_HCH_1752.5MHz_RB_25_0_NTNV



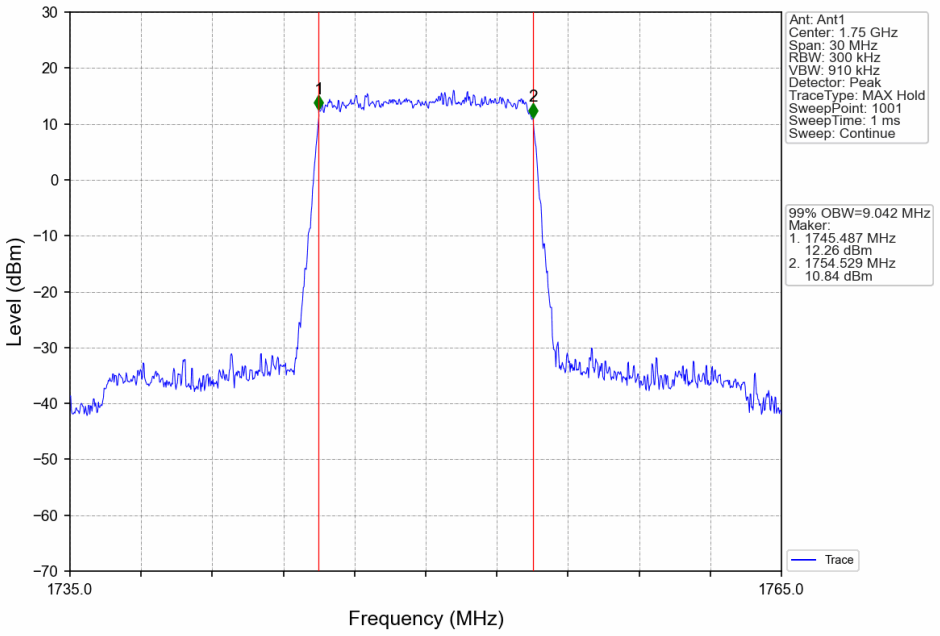
Band4_10MHz_QPSK_LCH_1715MHz_RB_50_0_NTNV



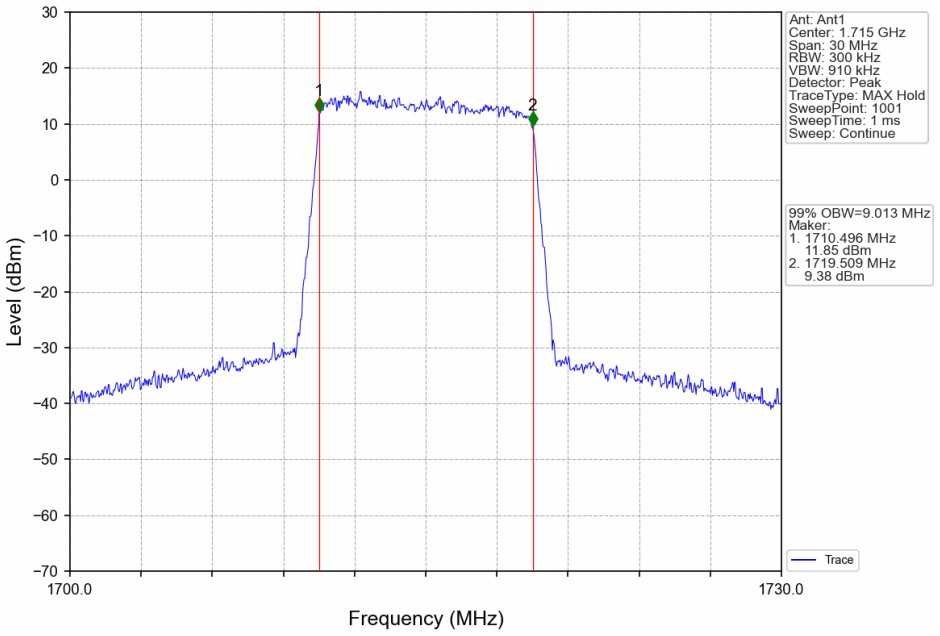
Band4_10MHz_QPSK_MCH_1732.5MHz_RB_50_0_NTNV



Band4_10MHz_QPSK_HCH_1750MHz_RB_50_0_NTNV

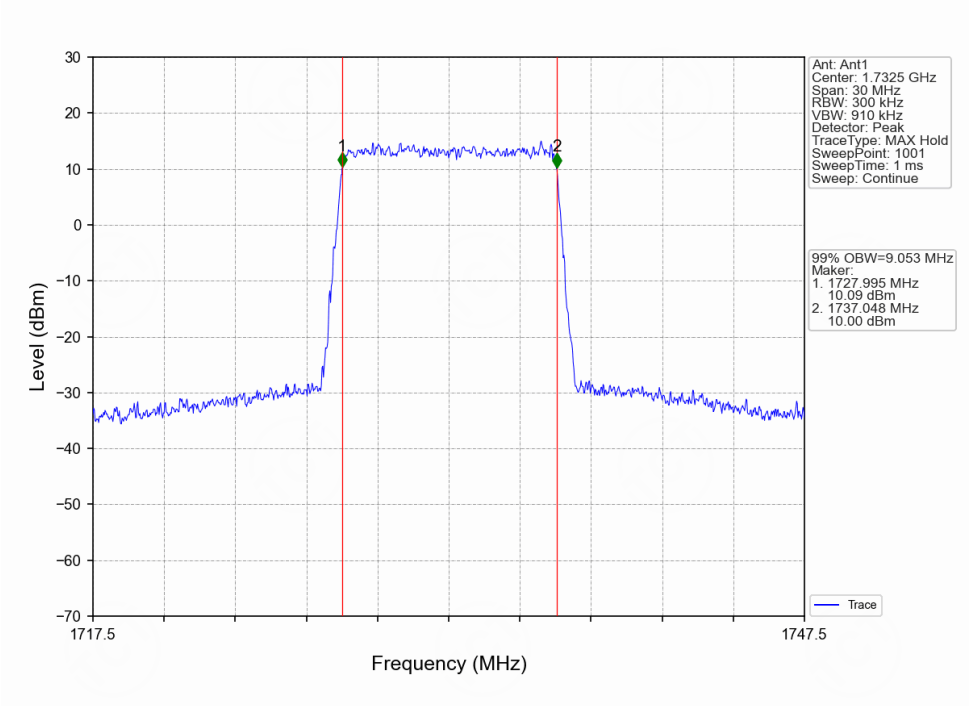


Band4_10MHz_16QAM_LCH_1715MHz_RB_50_0_NTNV

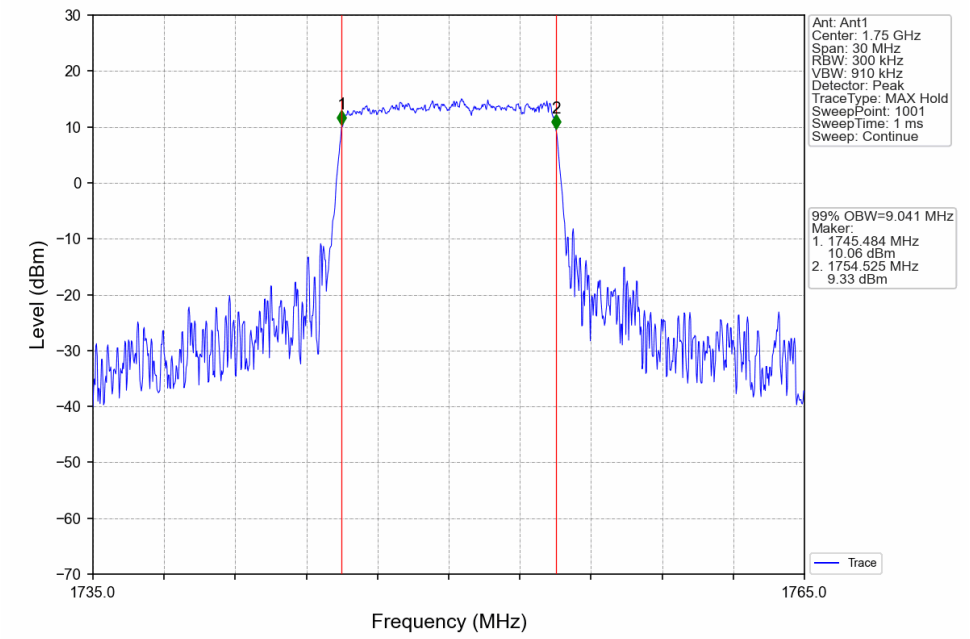


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Band4_10MHz_16QAM_MCH_1732.5MHz_RB_50_0_NTNV

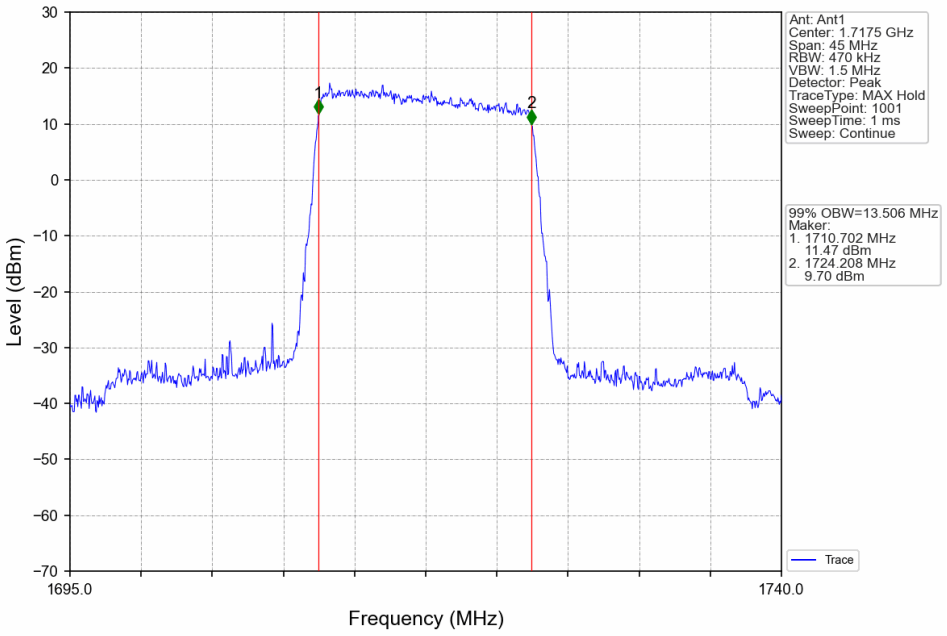


Band4_10MHz_16QAM_HCH_1750MHz_RB_50_0_NTNV

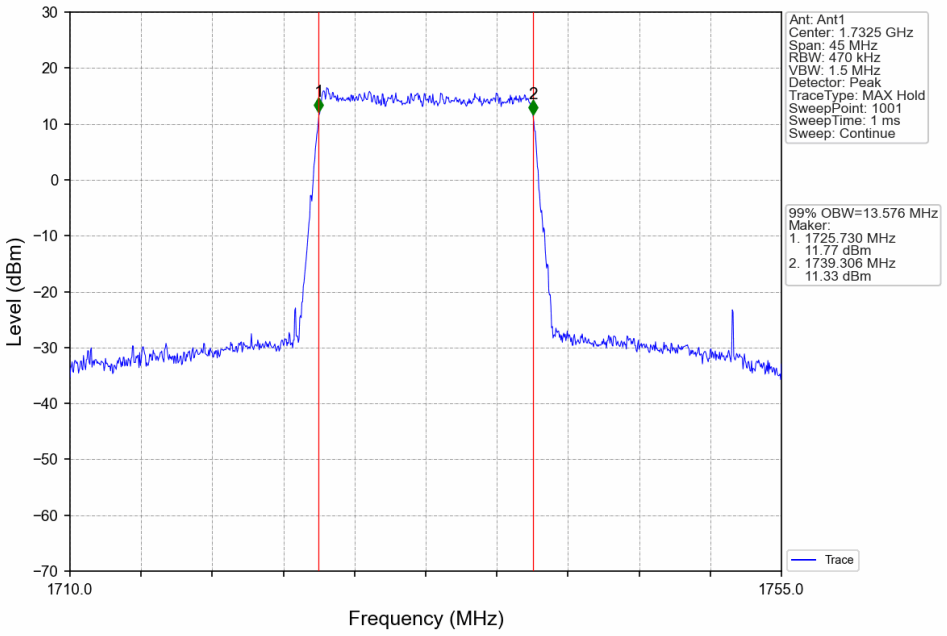


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

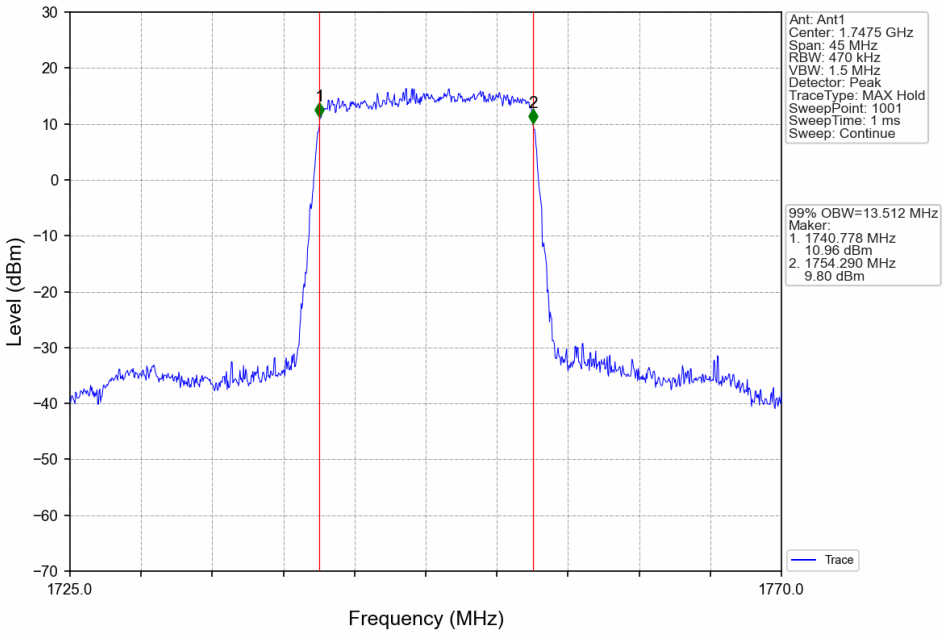
Band4_15MHz_QPSK_LCH_1717.5MHz_RB_75_0_NTNV



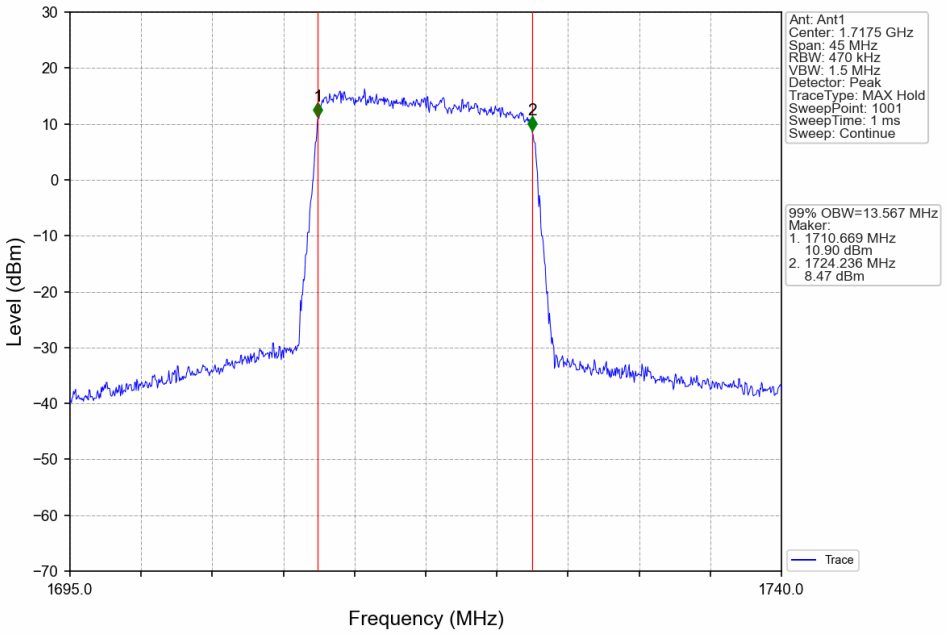
Band4_15MHz_QPSK_MCH_1732.5MHz_RB_75_0_NTNV



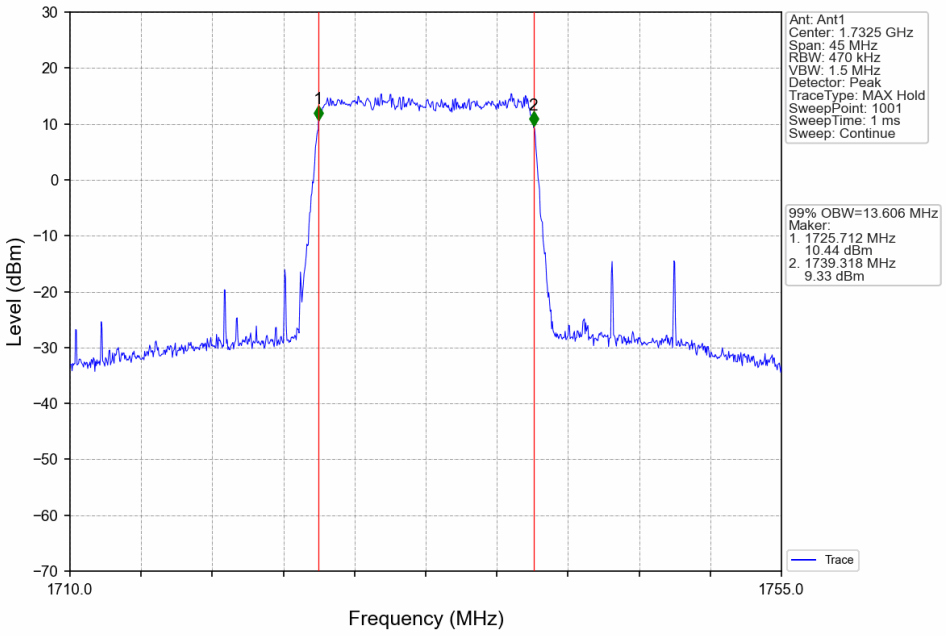
Band4_15MHz_QPSK_HCH_1747.5MHz_RB_75_0_NTNV



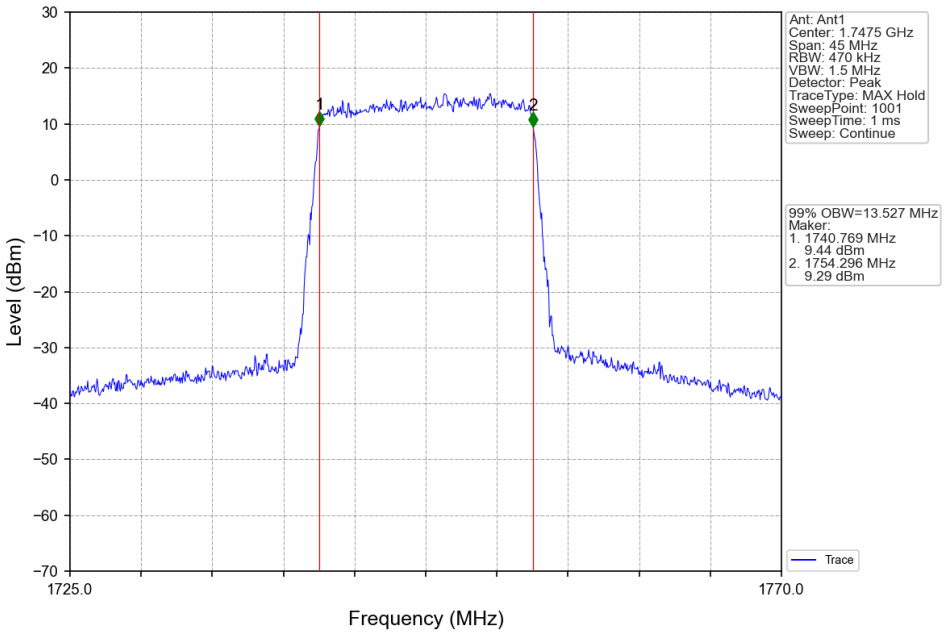
Band4_15MHz_16QAM_LCH_1717.5MHz_RB_75_0_NTNV



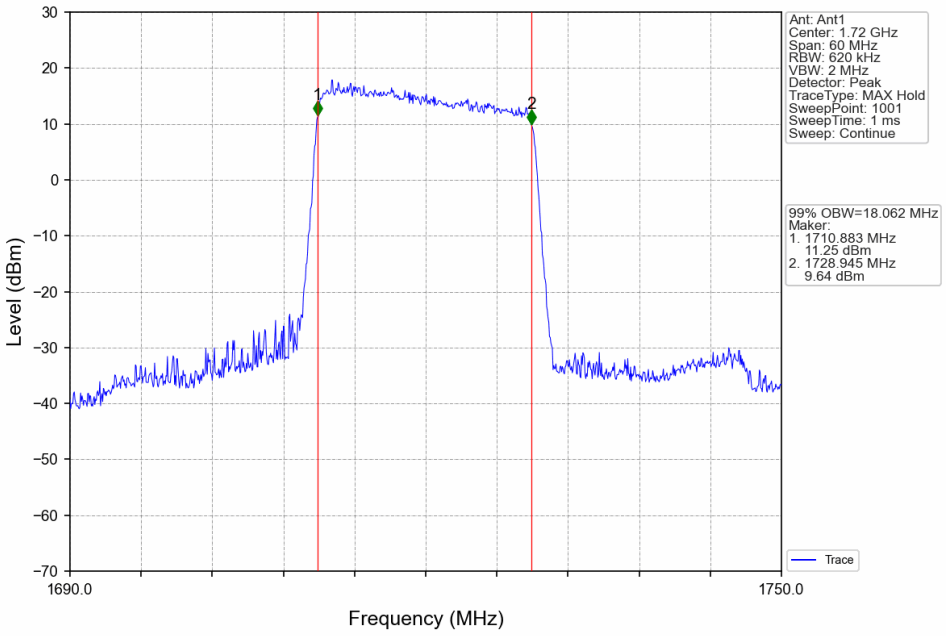
Band4_15MHz_16QAM_MCH_1732.5MHz_RB_75_0_NTNV



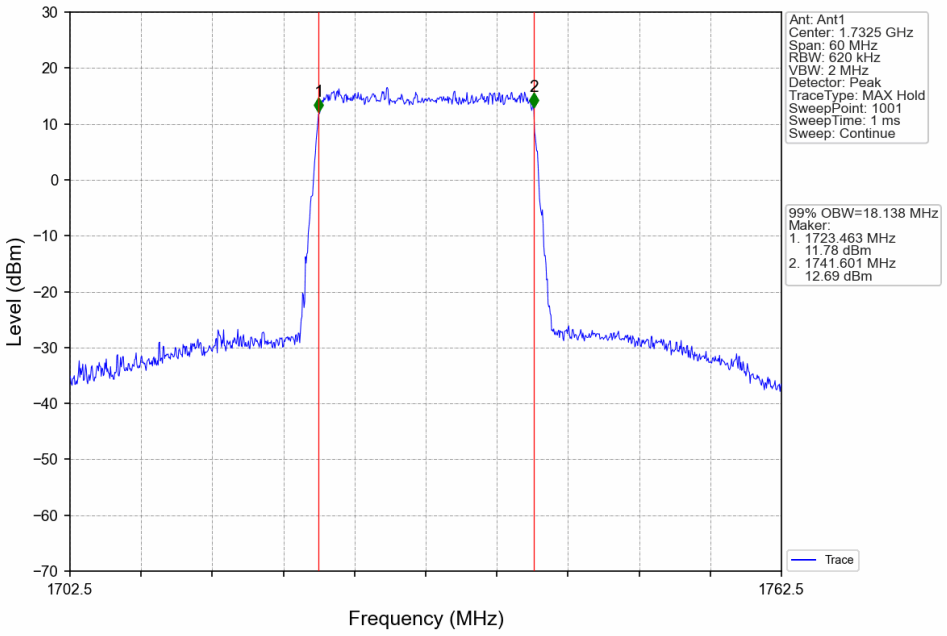
Band4_15MHz_16QAM_HCH_1747.5MHz_RB_75_0_NTNV



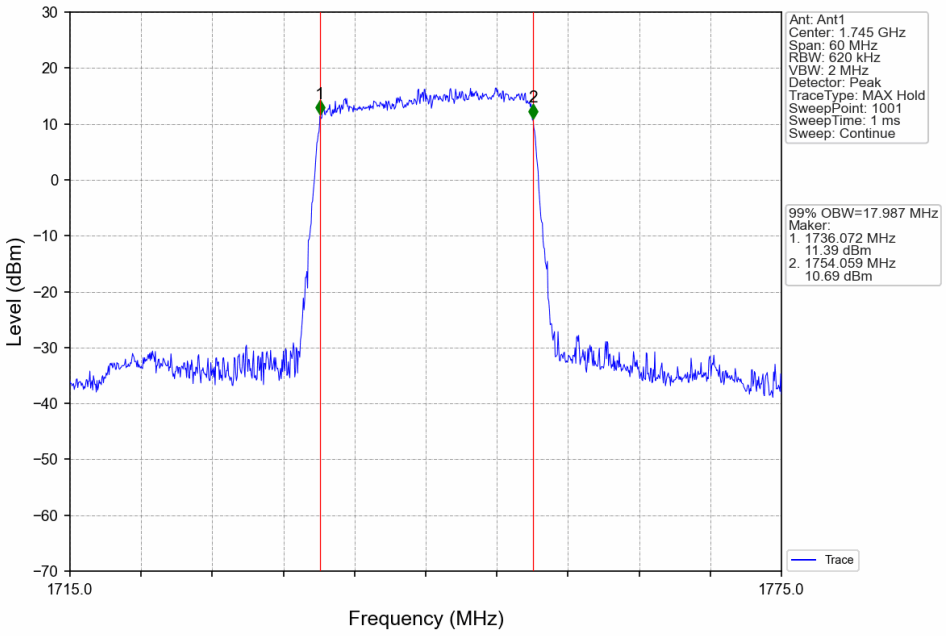
Band4_20MHz_QPSK_LCH_1720MHz_RB_100_0_NTNV



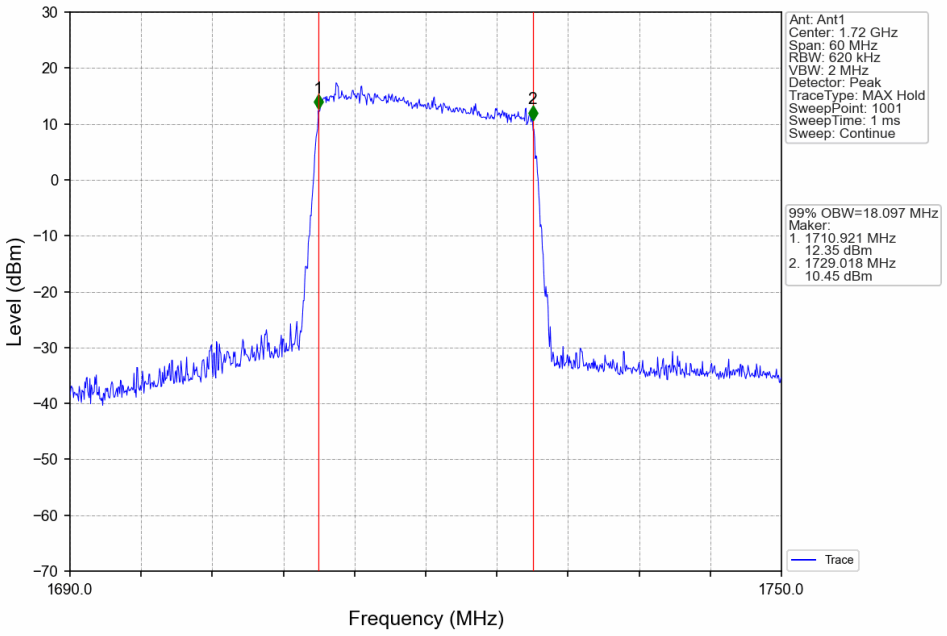
Band4_20MHz_QPSK_MCH_1732.5MHz_RB_100_0_NTNV



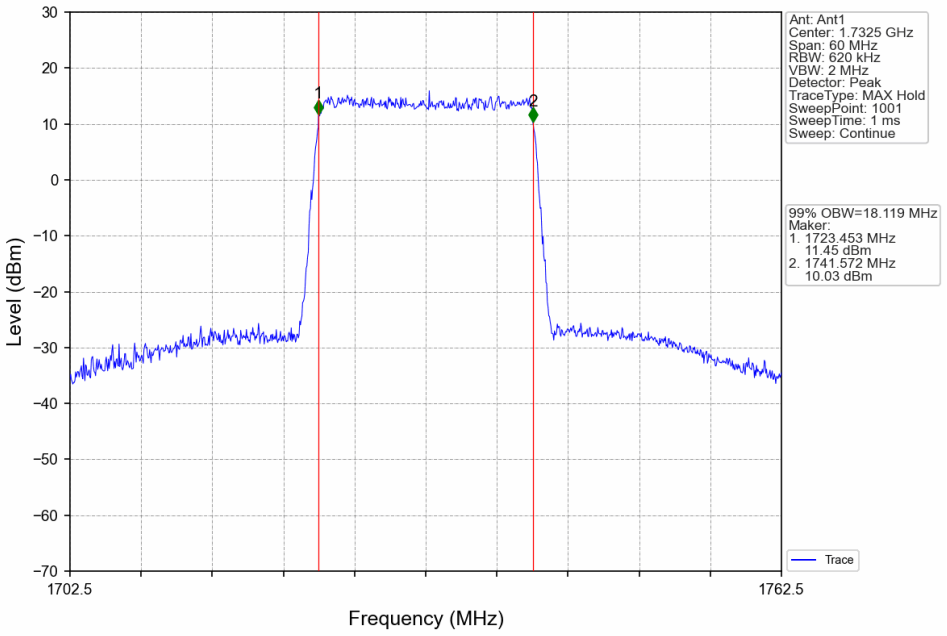
Band4_20MHz_QPSK_HCH_1745MHz_RB_100_0_NTNV



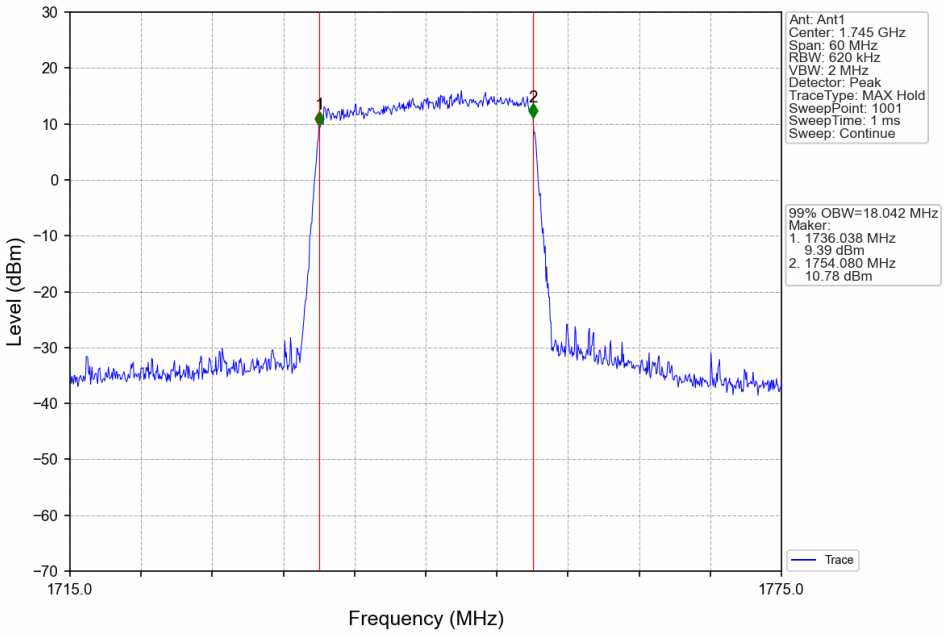
Band4_20MHz_16QAM_LCH_1720MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_MCH_1732.5MHz_RB_100_0_NTNV



Band4_20MHz_16QAM_HCH_1745MHz_RB_100_0_NTNV



Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

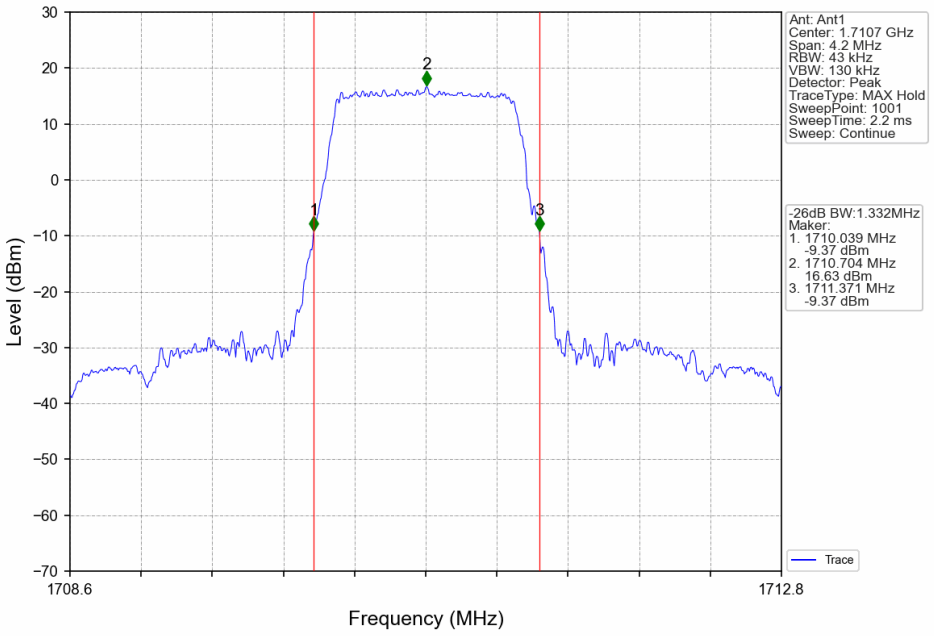
4.2 Band4_XDB

4.2.1 Test Result

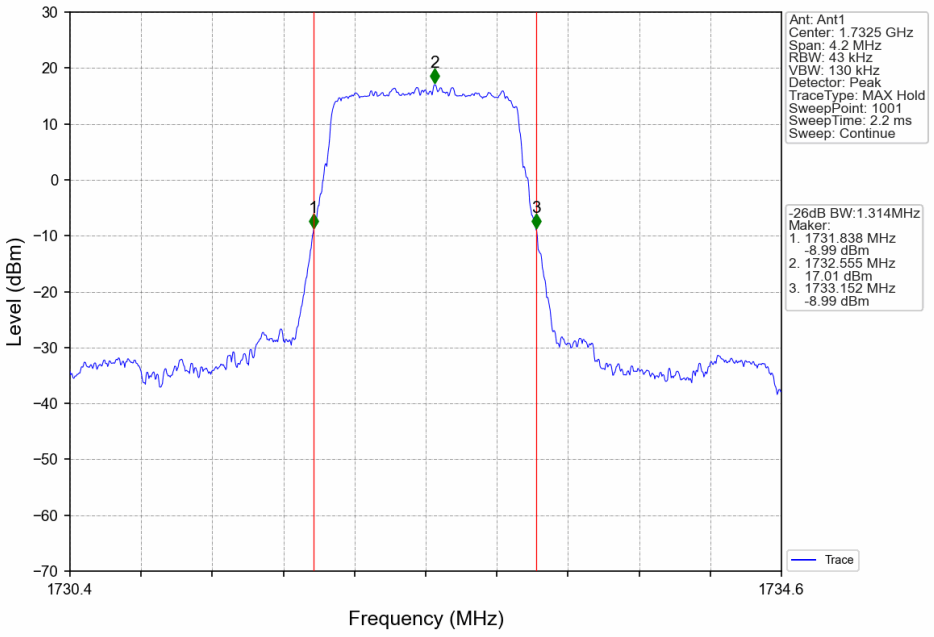
Band: 4 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
1.4	QPSK	1710.7	6	0	1.332	Pass
		1732.5	6	0	1.314	Pass
		1754.3	6	0	1.318	Pass
	16QAM	1710.7	6	0	1.301	Pass
		1732.5	6	0	1.321	Pass
		1754.3	6	0	1.313	Pass
3	QPSK	1711.5	15	0	2.979	Pass
		1732.5	15	0	2.994	Pass
		1753.5	15	0	2.996	Pass
	16QAM	1711.5	15	0	3.005	Pass
		1732.5	15	0	2.977	Pass
		1753.5	15	0	2.991	Pass
5	QPSK	1712.5	25	0	5.153	Pass
		1732.5	25	0	4.990	Pass
		1752.5	25	0	6.196	Pass
	16QAM	1712.5	25	0	5.009	Pass
		1732.5	25	0	5.318	Pass
		1752.5	25	0	4.991	Pass
10	QPSK	1715	50	0	9.955	Pass
		1732.5	50	0	9.940	Pass
		1750	50	0	9.872	Pass
	16QAM	1715	50	0	9.846	Pass
		1732.5	50	0	9.869	Pass
		1750	50	0	10.686	Pass
15	QPSK	1717.5	75	0	14.693	Pass
		1732.5	75	0	14.954	Pass
		1747.5	75	0	14.749	Pass
	16QAM	1717.5	75	0	14.801	Pass
		1732.5	75	0	14.840	Pass
		1747.5	75	0	14.866	Pass
20	QPSK	1720	100	0	19.467	Pass
		1732.5	100	0	19.830	Pass
		1745	100	0	19.641	Pass
	16QAM	1720	100	0	19.532	Pass
		1732.5	100	0	19.691	Pass
		1745	100	0	19.716	Pass

4.2.2 Test Graph

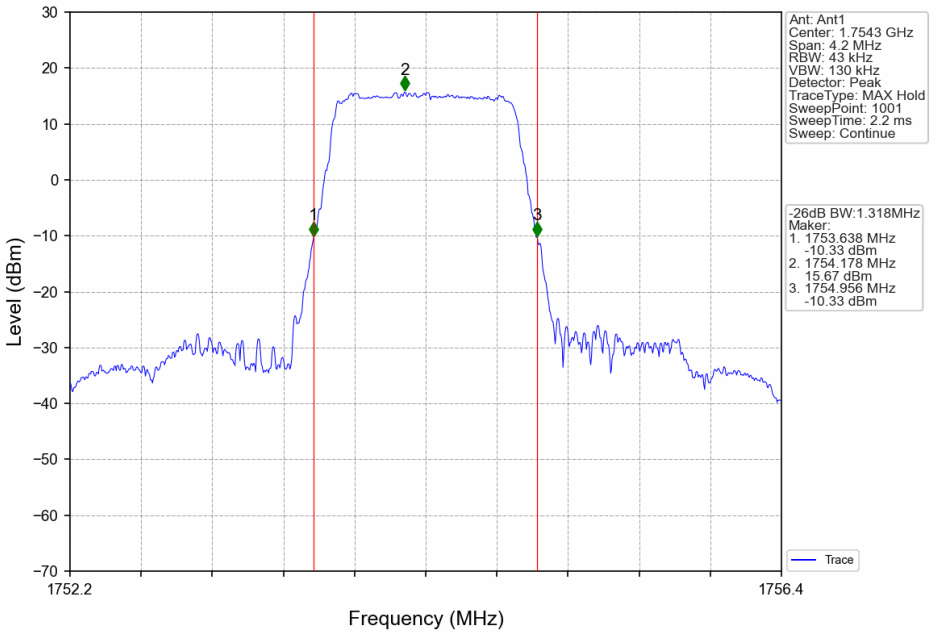
Band4_1.4MHz_QPSK_LCH_1710.7MHz_RB_6_0_NTNV



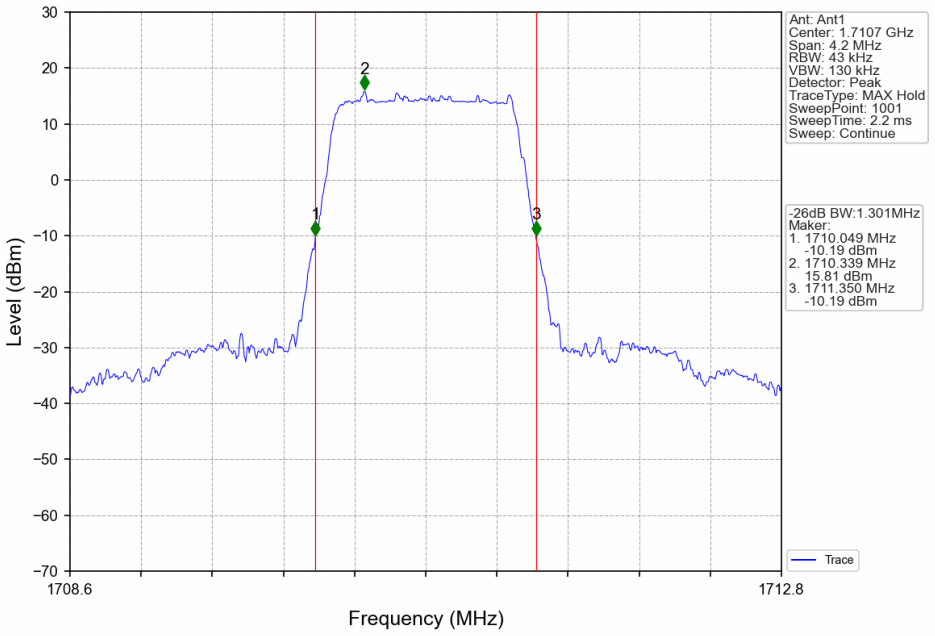
Band4_1.4MHz_QPSK_MCH_1732.5MHz_RB_6_0_NTNV



Band4_1.4MHz_QPSK_HCH_1754.3MHz_RB_6_0_NTNV

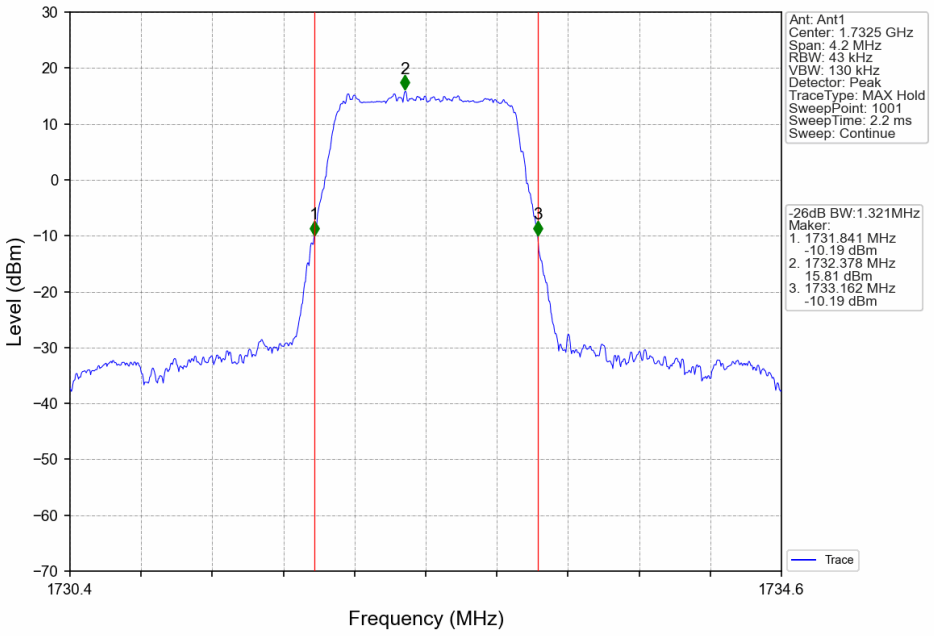


Band4_1.4MHz_16QAM_LCH_1710.7MHz_RB_6_0_NTNV

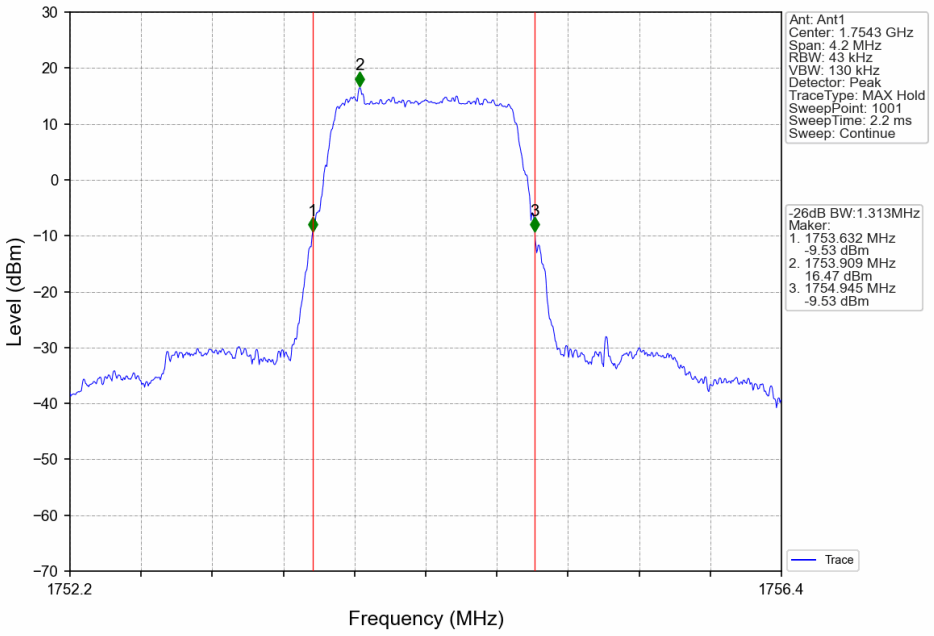


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Band4_1.4MHz_16QAM_MCH_1732.5MHz_RB_6_0_NTNV

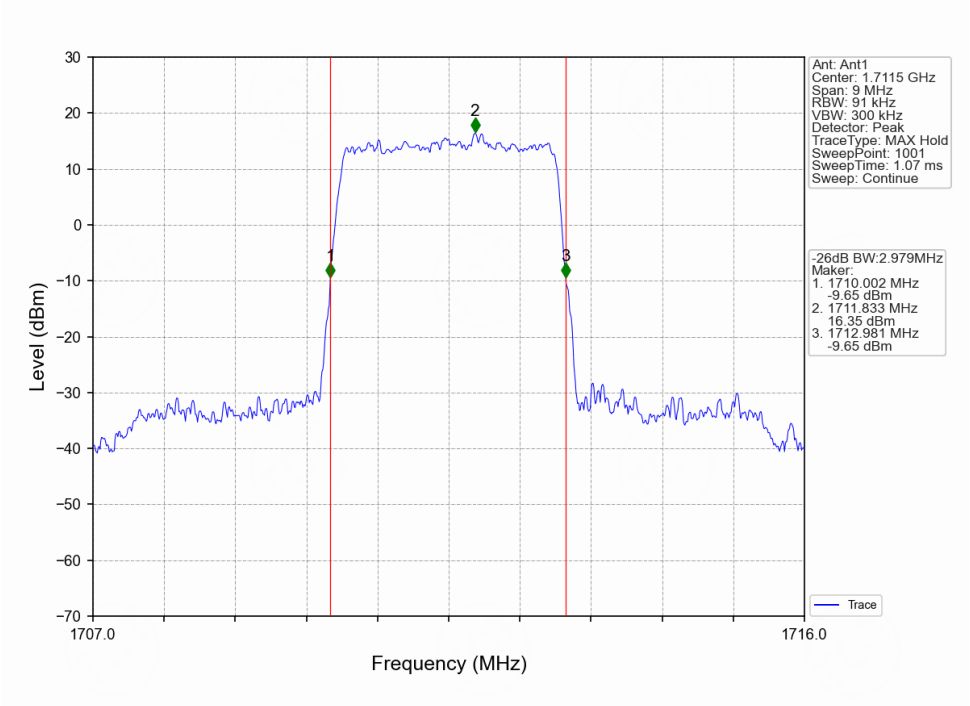


Band4_1.4MHz_16QAM_HCH_1754.3MHz_RB_6_0_NTNV

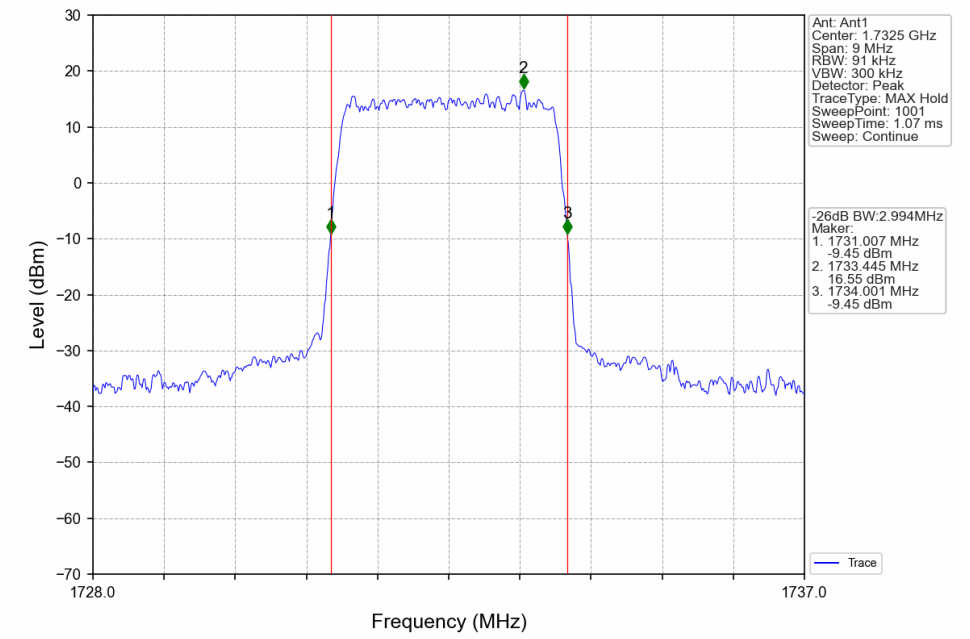


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

Band4_3MHz_QPSK_LCH_1711.5MHz_RB_15_0_NTNV

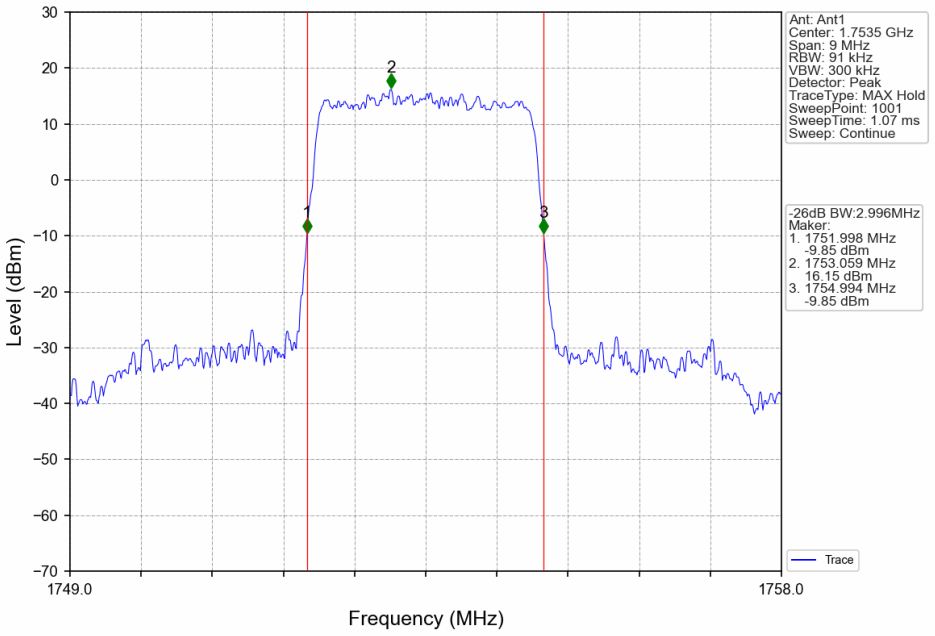


Band4_3MHz_QPSK_MCH_1732.5MHz_RB_15_0_NTNV

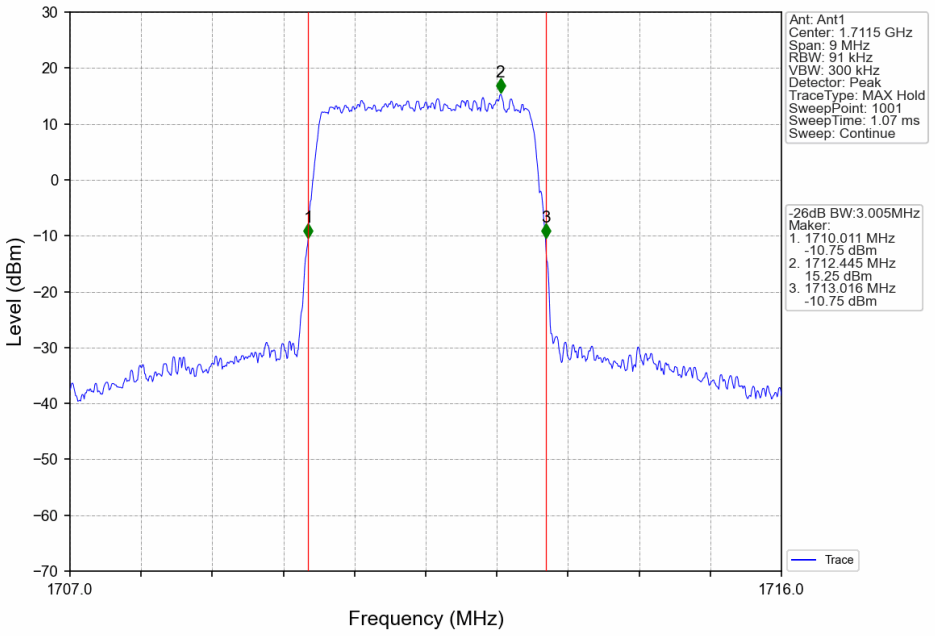


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

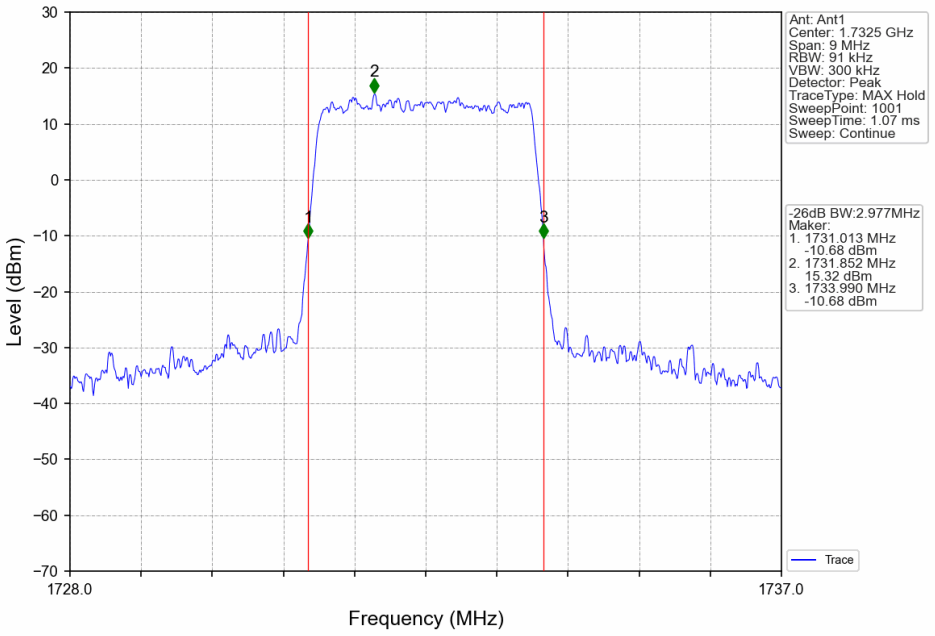
Band4_3MHz_QPSK_HCH_1753.5MHz_RB_15_0_NTNV



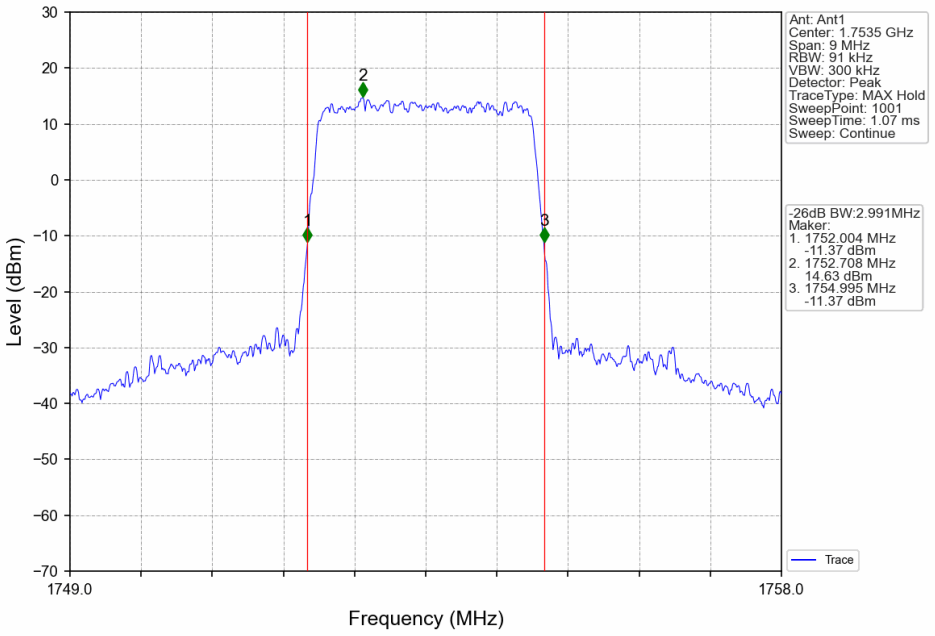
Band4_3MHz_16QAM_LCH_1711.5MHz_RB_15_0_NTNV



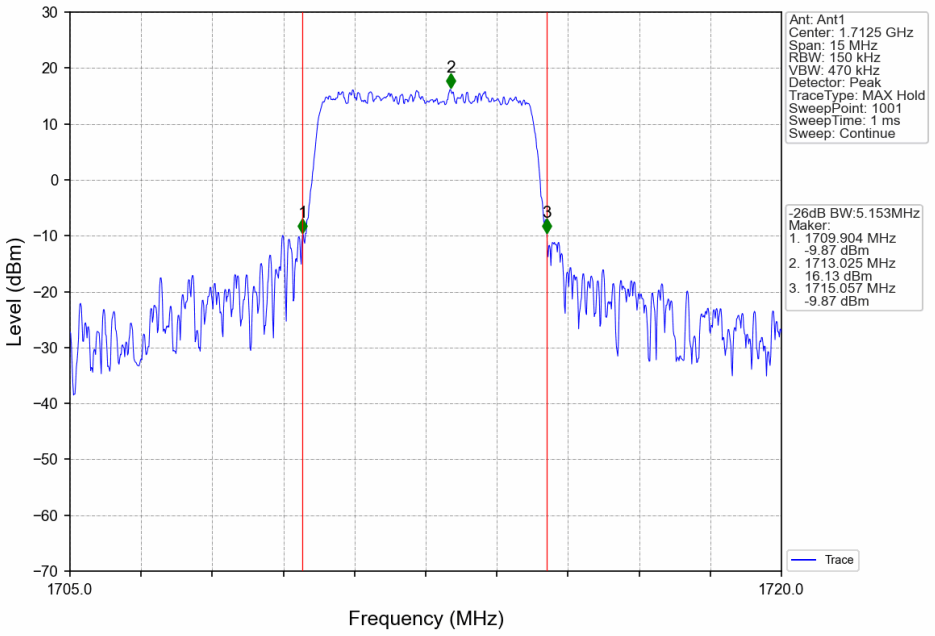
Band4_3MHz_16QAM_MCH_1732.5MHz_RB_15_0_NTNV



Band4_3MHz_16QAM_HCH_1753.5MHz_RB_15_0_NTNV



Band4_5MHz_QPSK_LCH_1712.5MHz_RB_25_0_NTNV



Band4_5MHz_QPSK_MCH_1732.5MHz_RB_25_0_NTNV