1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2498.5	1	0	20.41	3.00	23.41	<=33.01	Pass
			13	20.71	3.00	23.71	<=33.01	Pass
			24	20.44	3.00	23.44	<=33.01	Pass
		12	0	19.53	3.00	22.53	<=33.01	Pass
			6	19.63	3.00	22.63	<=33.01	Pass
			13	19.53	3.00	22.53	<=33.01	Pass
		25	0	19.59	3.00	22.59	<=33.01	Pass
	2593	1	0	20.63	3.00	23.63	<=33.01	Pass
			13	20.68	3.00	23.68	<=33.01	Pass
			24	20.62	3.00	23.62	<=33.01	Pass
		12	0	19.73	3.00	22.73	<=33.01	Pass
			6	19.78	3.00	22.78	<=33.01	Pass
			13	19.65	3.00	22.65	<=33.01	Pass
		25	0	19.61	3.00	22.61	<=33.01	Pass
	2687.5	1	0	20.37	3.00	23.37	<=33.01	Pass
			13	20.53	3.00	23.53	<=33.01	Pass
			24	20.20	3.00	23.20	<=33.01	Pass
		12	0	19.42	3.00	22.42	<=33.01	Pass
			6	19.50	3.00	22.50	<=33.01	Pass
			13	19.47	3.00	22.47	<=33.01	Pass
		25	0	19.51	3.00	22.51	<=33.01	Pass
16QAM	2498.5	1	0	19.60	3.00	22.60	<=33.01	Pass
			13	19.68	3.00	22.68	<=33.01	Pass
			24	19.64	3.00	22.64	<=33.01	Pass
		12	0	18.54	3.00	21.54	<=33.01	Pass
			6	18.69	3.00	21.69	<=33.01	Pass
			13	18.60	3.00	21.60	<=33.01	Pass
		25	0	18.60	3.00	21.60	<=33.01	Pass
	2593	1	0	19.90	3.00	22.90	<=33.01	Pass
			13	19.80	3.00	22.80	<=33.01	Pass
			24	19.58	3.00	22.58	<=33.01	Pass
		12	0	18.78	3.00	21.78	<=33.01	Pass
			6	18.86	3.00	21.86	<=33.01	Pass
			13	18.57	3.00	21.57	<=33.01	Pass
		25	0	18.69	3.00	21.69	<=33.01	Pass
	2687.5	1	0	19.41	3.00	22.41	<=33.01	Pass
			13	19.29	3.00	22.29	<=33.01	Pass
			24	19.43	3.00	22.43	<=33.01	Pass
		12	0	18.41	3.00	21.41	<=33.01	Pass
			6	18.50	3.00	21.50	<=33.01	Pass
			13	18.39	3.00	21.39	<=33.01	Pass
		25	0	18.41	3.00	21.41	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.2 B41_10MHz_EIRP

1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	20.51	3.00	23.51	<=33.01	Pass
			25	20.83	3.00	23.83	<=33.01	Pass
			49	20.63	3.00	23.63	<=33.01	Pass
		25	0	19.70	3.00	22.70	<=33.01	Pass
			13	19.71	3.00	22.71	<=33.01	Pass
			25	19.65	3.00	22.65	<=33.01	Pass
		50	0	19.67	3.00	22.67	<=33.01	Pass
	2593	1	0	20.65	3.00	23.65	<=33.01	Pass
			25	20.99	3.00	23.99	<=33.01	Pass
			49	20.66	3.00	23.66	<=33.01	Pass
		25	0	19.68	3.00	22.68	<=33.01	Pass
			13	19.77	3.00	22.77	<=33.01	Pass
			25	19.75	3.00	22.75	<=33.01	Pass
		50	0	19.69	3.00	22.69	<=33.01	Pass
	2685	1	0	20.40	3.00	23.40	<=33.01	Pass
			25	20.73	3.00	23.73	<=33.01	Pass
			49	20.43	3.00	23.43	<=33.01	Pass
		25	0	19.55	3.00	22.55	<=33.01	Pass
			13	19.47	3.00	22.47	<=33.01	Pass
			25	19.46	3.00	22.46	<=33.01	Pass
		50	0	19.44	3.00	22.44	<=33.01	Pass
16QAM	2501	1	0	19.61	3.00	22.61	<=33.01	Pass
			25	19.97	3.00	22.97	<=33.01	Pass
			49	19.68	3.00	22.68	<=33.01	Pass
		25	0	18.73	3.00	21.73	<=33.01	Pass
			13	18.81	3.00	21.81	<=33.01	Pass
			25	18.67	3.00	21.67	<=33.01	Pass
		50	0	18.62	3.00	21.62	<=33.01	Pass
	2593	1	0	19.52	3.00	22.52	<=33.01	Pass
			25	19.80	3.00	22.80	<=33.01	Pass
			49	19.47	3.00	22.47	<=33.01	Pass
		25	0	18.89	3.00	21.89	<=33.01	Pass
			13	18.81	3.00	21.81	<=33.01	Pass
			25	18.72	3.00	21.72	<=33.01	Pass
		50	0	18.79	3.00	21.79	<=33.01	Pass
	2685	1	0	19.09	3.00	22.09	<=33.01	Pass
			25	19.62	3.00	22.62	<=33.01	Pass
			49	19.04	3.00	22.04	<=33.01	Pass
		25	0	18.51	3.00	21.51	<=33.01	Pass
			13	18.62	3.00	21.62	<=33.01	Pass
			25	18.55	3.00	21.55	<=33.01	Pass
		50	0	18.53	3.00	21.53	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.3 B41_15MHz_EIRP

1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	20.41	3.00	23.41	<=33.01	Pass
			38	20.65	3.00	23.65	<=33.01	Pass
			74	20.51	3.00	23.51	<=33.01	Pass
		36	0	19.59	3.00	22.59	<=33.01	Pass
			18	19.65	3.00	22.65	<=33.01	Pass
			39	19.55	3.00	22.55	<=33.01	Pass
		75	0	19.58	3.00	22.58	<=33.01	Pass
	2593	1	0	20.58	3.00	23.58	<=33.01	Pass
			38	20.79	3.00	23.79	<=33.01	Pass
			74	20.45	3.00	23.45	<=33.01	Pass
		36	0	19.62	3.00	22.62	<=33.01	Pass
			18	19.71	3.00	22.71	<=33.01	Pass
			39	19.61	3.00	22.61	<=33.01	Pass
		75	0	19.59	3.00	22.59	<=33.01	Pass
	2682.5	1	0	20.29	3.00	23.29	<=33.01	Pass
			38	20.44	3.00	23.44	<=33.01	Pass
			74	20.24	3.00	23.24	<=33.01	Pass
		36	0	19.40	3.00	22.40	<=33.01	Pass
			18	19.43	3.00	22.43	<=33.01	Pass
			39	19.28	3.00	22.28	<=33.01	Pass
		75	0	19.43	3.00	22.43	<=33.01	Pass
16QAM	2503.5	1	0	19.45	3.00	22.45	<=33.01	Pass
			38	19.78	3.00	22.78	<=33.01	Pass
			74	19.37	3.00	22.37	<=33.01	Pass
		36	0	18.58	3.00	21.58	<=33.01	Pass
			18	18.66	3.00	21.66	<=33.01	Pass
			39	18.54	3.00	21.54	<=33.01	Pass
		75	0	18.60	3.00	21.60	<=33.01	Pass
	2593	1	0	19.40	3.00	22.40	<=33.01	Pass
			38	19.51	3.00	22.51	<=33.01	Pass
			74	19.32	3.00	22.32	<=33.01	Pass
		36	0	18.62	3.00	21.62	<=33.01	Pass
			18	18.70	3.00	21.70	<=33.01	Pass
			39	18.62	3.00	21.62	<=33.01	Pass
		75	0	18.62	3.00	21.62	<=33.01	Pass
	2682.5	1	0	19.08	3.00	22.08	<=33.01	Pass
			38	19.77	3.00	22.77	<=33.01	Pass
			74	19.34	3.00	22.34	<=33.01	Pass
		36	0	18.37	3.00	21.37	<=33.01	Pass
			18	18.45	3.00	21.45	<=33.01	Pass
			39	18.30	3.00	21.30	<=33.01	Pass
		75	0	18.45	3.00	21.45	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B41_20MHz_EIRP

1.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	20.29	3.00	23.29	<=33.01	Pass
			50	20.82	3.00	23.82	<=33.01	Pass
			99	20.41	3.00	23.41	<=33.01	Pass
		50	0	19.61	3.00	22.61	<=33.01	Pass
			25	19.64	3.00	22.64	<=33.01	Pass
			50	19.47	3.00	22.47	<=33.01	Pass
		100	0	19.54	3.00	22.54	<=33.01	Pass
	2593	1	0	20.49	3.00	23.49	<=33.01	Pass
			50	20.77	3.00	23.77	<=33.01	Pass
			99	20.39	3.00	23.39	<=33.01	Pass
		50	0	19.71	3.00	22.71	<=33.01	Pass
			25	19.74	3.00	22.74	<=33.01	Pass
			50	19.54	3.00	22.54	<=33.01	Pass
		100	0	19.64	3.00	22.64	<=33.01	Pass
	2680	1	0	20.16	3.00	23.16	<=33.01	Pass
			50	20.56	3.00	23.56	<=33.01	Pass
			99	20.06	3.00	23.06	<=33.01	Pass
		50	0	19.46	3.00	22.46	<=33.01	Pass
			25	19.40	3.00	22.40	<=33.01	Pass
			50	19.32	3.00	22.32	<=33.01	Pass
		100	0	19.41	3.00	22.41	<=33.01	Pass
16QAM	2506	1	0	19.36	3.00	22.36	<=33.01	Pass
			50	19.84	3.00	22.84	<=33.01	Pass
			99	19.51	3.00	22.51	<=33.01	Pass
		50	0	18.66	3.00	21.66	<=33.01	Pass
			25	18.68	3.00	21.68	<=33.01	Pass
			50	18.53	3.00	21.53	<=33.01	Pass
		100	0	18.58	3.00	21.58	<=33.01	Pass
	2593	1	0	19.21	3.00	22.21	<=33.01	Pass
			50	20.02	3.00	23.02	<=33.01	Pass
			99	19.17	3.00	22.17	<=33.01	Pass
		50	0	18.69	3.00	21.69	<=33.01	Pass
			25	18.74	3.00	21.74	<=33.01	Pass
			50	18.61	3.00	21.61	<=33.01	Pass
		100	0	18.69	3.00	21.69	<=33.01	Pass
	2680	1	0	18.84	3.00	21.84	<=33.01	Pass
			50	19.10	3.00	22.10	<=33.01	Pass
			99	19.23	3.00	22.23	<=33.01	Pass
		50	0	18.47	3.00	21.47	<=33.01	Pass
			25	18.44	3.00	21.44	<=33.01	Pass
			50	18.29	3.00	21.29	<=33.01	Pass
		100	0	18.47	3.00	21.47	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 B41_5MHz

2.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.30	7.281	0.0029	-2.5 to 2.5	Pass
					3.70	1.144	0.0005	-2.5 to 2.5	Pass
					4.00	6.881	0.0028	-2.5 to 2.5	Pass
				-30	3.70	11.959	0.0048	-2.5 to 2.5	Pass
				-20	3.70	13.933	0.0056	-2.5 to 2.5	Pass
				-10	3.70	10.371	0.0042	-2.5 to 2.5	Pass
				0	3.70	33.031	0.0132	-2.5 to 2.5	Pass
				10	3.70	38.867	0.0156	-2.5 to 2.5	Pass
				30	3.70	36.464	0.0146	-2.5 to 2.5	Pass
				40	3.70	36.106	0.0145	-2.5 to 2.5	Pass
				50	3.70	43.144	0.0173	-2.5 to 2.5	Pass
	2593	25	0	20	3.30	4.492	0.0017	-2.5 to 2.5	Pass
					3.70	3.805	0.0015	-2.5 to 2.5	Pass
					4.00	4.978	0.0019	-2.5 to 2.5	Pass
				-30	3.70	13.862	0.0053	-2.5 to 2.5	Pass
				-20	3.70	-19.670	-0.0076	-2.5 to 2.5	Pass
				-10	3.70	-22.960	-0.0089	-2.5 to 2.5	Pass
				0	3.70	-22.016	-0.0085	-2.5 to 2.5	Pass
				10	3.70	-21.858	-0.0084	-2.5 to 2.5	Pass
				30	3.70	-24.891	-0.0096	-2.5 to 2.5	Pass
				40	3.70	-26.708	-0.0103	-2.5 to 2.5	Pass
				50	3.70	-39.182	-0.0151	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.30	-6.938	-0.0026	-2.5 to 2.5	Pass
					3.70	20.857	0.0078	-2.5 to 2.5	Pass
					4.00	22.173	0.0083	-2.5 to 2.5	Pass
				-30	3.70	24.633	0.0092	-2.5 to 2.5	Pass
				-20	3.70	24.676	0.0092	-2.5 to 2.5	Pass
				-10	3.70	18.382	0.0068	-2.5 to 2.5	Pass
				0	3.70	19.841	0.0074	-2.5 to 2.5	Pass
				10	3.70	18.411	0.0069	-2.5 to 2.5	Pass
				30	3.70	38.066	0.0142	-2.5 to 2.5	Pass
				40	3.70	31.142	0.0116	-2.5 to 2.5	Pass
				50	3.70	7.267	0.0027	-2.5 to 2.5	Pass
16QAM	2498.5	25	0	20	3.30	41.943	0.0168	-2.5 to 2.5	Pass
					3.70	41.413	0.0166	-2.5 to 2.5	Pass
					4.00	53.186	0.0213	-2.5 to 2.5	Pass
				-30	3.70	51.498	0.0206	-2.5 to 2.5	Pass
				-20	3.70	43.788	0.0175	-2.5 to 2.5	Pass
				-10	3.70	43.001	0.0172	-2.5 to 2.5	Pass
				0	3.70	51.055	0.0204	-2.5 to 2.5	Pass
				10	3.70	39.124	0.0157	-2.5 to 2.5	Pass
				30	3.70	37.022	0.0148	-2.5 to 2.5	Pass
				40	3.70	53.673	0.0215	-2.5 to 2.5	Pass
				50	3.70	53.387	0.0214	-2.5 to 2.5	Pass
	2593	25	0	20	3.30	-45.218	-0.0174	-2.5 to 2.5	Pass
					3.70	-48.795	-0.0188	-2.5 to 2.5	Pass
					4.00	-48.609	-0.0187	-2.5 to 2.5	Pass
				-30	3.70	-52.228	-0.0201	-2.5 to 2.5	Pass
				-20	3.70	-51.241	-0.0198	-2.5 to 2.5	Pass
				-10	3.70	-59.581	-0.0230	-2.5 to 2.5	Pass
				0	3.70	-60.096	-0.0232	-2.5 to 2.5	Pass
				10	3.70	-61.383	-0.0237	-2.5 to 2.5	Pass
				30	3.70	-65.174	-0.0251	-2.5 to 2.5	Pass

				40	3.70	-59.638	-0.0230	-2.5 to 2.5	Pass
				50	3.70	-57.492	-0.0222	-2.5 to 2.5	Pass
	2687.5	25	0	20	3.30	2.804	0.0010	-2.5 to 2.5	Pass
					3.70	0.100	0.0000	-2.5 to 2.5	Pass
					4.00	-5.407	-0.0020	-2.5 to 2.5	Pass
				-30	3.70	-8.211	-0.0031	-2.5 to 2.5	Pass
				-20	3.70	-4.663	-0.0017	-2.5 to 2.5	Pass
				-10	3.70	-5.736	-0.0021	-2.5 to 2.5	Pass
				0	3.70	-7.467	-0.0028	-2.5 to 2.5	Pass
				10	3.70	-8.140	-0.0030	-2.5 to 2.5	Pass
				30	3.70	-9.198	-0.0034	-2.5 to 2.5	Pass
				40	3.70	-5.879	-0.0022	-2.5 to 2.5	Pass
				50	3.70	-16.580	-0.0062	-2.5 to 2.5	Pass

2.2 B41_10MHz

2.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.30	-15.006	-0.0060	-2.5 to 2.5	Pass
					3.70	-3.533	-0.0014	-2.5 to 2.5	Pass
					4.00	-4.063	-0.0016	-2.5 to 2.5	Pass
				-30	3.70	-5.336	-0.0021	-2.5 to 2.5	Pass
				-20	3.70	-4.849	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	-4.778	-0.0019	-2.5 to 2.5	Pass
				0	3.70	-4.206	-0.0017	-2.5 to 2.5	Pass
				10	3.70	-11.101	-0.0044	-2.5 to 2.5	Pass
				30	3.70	-1.574	-0.0006	-2.5 to 2.5	Pass
				40	3.70	-11.172	-0.0045	-2.5 to 2.5	Pass
				50	3.70	-0.372	-0.0001	-2.5 to 2.5	Pass
	2593	50	0	20	3.30	-8.326	-0.0032	-2.5 to 2.5	Pass
					3.70	-10.328	-0.0040	-2.5 to 2.5	Pass
					4.00	-7.095	-0.0027	-2.5 to 2.5	Pass
				-30	3.70	-12.732	-0.0049	-2.5 to 2.5	Pass
				-20	3.70	-3.505	-0.0014	-2.5 to 2.5	Pass
				-10	3.70	-2.775	-0.0011	-2.5 to 2.5	Pass
				0	3.70	-3.548	-0.0014	-2.5 to 2.5	Pass
				10	3.70	-2.017	-0.0008	-2.5 to 2.5	Pass
				30	3.70	-3.433	-0.0013	-2.5 to 2.5	Pass
				40	3.70	-7.567	-0.0029	-2.5 to 2.5	Pass
				50	3.70	-6.952	-0.0027	-2.5 to 2.5	Pass
	2685	50	0	20	3.30	-3.347	-0.0012	-2.5 to 2.5	Pass
					3.70	-12.903	-0.0048	-2.5 to 2.5	Pass
					4.00	0.272	0.0001	-2.5 to 2.5	Pass
				-30	3.70	-6.995	-0.0026	-2.5 to 2.5	Pass
				-20	3.70	-5.350	-0.0020	-2.5 to 2.5	Pass
				-10	3.70	-9.584	-0.0036	-2.5 to 2.5	Pass
				0	3.70	-16.093	-0.0060	-2.5 to 2.5	Pass
				10	3.70	-11.630	-0.0043	-2.5 to 2.5	Pass
				30	3.70	-9.270	-0.0035	-2.5 to 2.5	Pass
				40	3.70	-4.463	-0.0017	-2.5 to 2.5	Pass
				50	3.70	-11.859	-0.0044	-2.5 to 2.5	Pass
16QAM	2501	50	0	20	3.30	-5.522	-0.0022	-2.5 to 2.5	Pass
					3.70	-9.055	-0.0036	-2.5 to 2.5	Pass
					4.00	-4.306	-0.0017	-2.5 to 2.5	Pass

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				-30	3.70	-7.882	-0.0032	-2.5 to 2.5	Pass
				-20	3.70	-0.730	-0.0003	-2.5 to 2.5	Pass
				-10	3.70	-12.002	-0.0048	-2.5 to 2.5	Pass
				0	3.70	-4.549	-0.0018	-2.5 to 2.5	Pass
				10	3.70	-3.891	-0.0016	-2.5 to 2.5	Pass
				30	3.70	-6.895	-0.0028	-2.5 to 2.5	Pass
				40	3.70	-7.982	-0.0032	-2.5 to 2.5	Pass
				50	3.70	-9.685	-0.0039	-2.5 to 2.5	Pass
	2593	50	0	20	3.30	1.230	0.0005	-2.5 to 2.5	Pass
					3.70	-7.167	-0.0028	-2.5 to 2.5	Pass
					4.00	-2.432	-0.0009	-2.5 to 2.5	Pass
				-30	3.70	-8.841	-0.0034	-2.5 to 2.5	Pass
				-20	3.70	-6.695	-0.0026	-2.5 to 2.5	Pass
				-10	3.70	-6.423	-0.0025	-2.5 to 2.5	Pass
				0	3.70	-8.998	-0.0035	-2.5 to 2.5	Pass
				10	3.70	2.189	0.0008	-2.5 to 2.5	Pass
				30	3.70	-11.015	-0.0042	-2.5 to 2.5	Pass
				40	3.70	-2.446	-0.0009	-2.5 to 2.5	Pass
				50	3.70	-8.068	-0.0031	-2.5 to 2.5	Pass
	2685	50	0	20	3.30	-12.732	-0.0047	-2.5 to 2.5	Pass
					3.70	-6.537	-0.0024	-2.5 to 2.5	Pass
					4.00	-10.300	-0.0038	-2.5 to 2.5	Pass
				-30	3.70	-2.046	-0.0008	-2.5 to 2.5	Pass
				-20	3.70	-8.039	-0.0030	-2.5 to 2.5	Pass
				-10	3.70	-8.125	-0.0030	-2.5 to 2.5	Pass
				0	3.70	-8.984	-0.0033	-2.5 to 2.5	Pass
				10	3.70	-3.090	-0.0012	-2.5 to 2.5	Pass
				30	3.70	-8.383	-0.0031	-2.5 to 2.5	Pass
				40	3.70	-7.296	-0.0027	-2.5 to 2.5	Pass
				50	3.70	-9.441	-0.0035	-2.5 to 2.5	Pass

2.3 B41_15MHz

2.3.1 Test Result

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2503.5	75	0	20	3.30	-16.494	-0.0066	-2.5 to 2.5	Pass
					3.70	-3.262	-0.0013	-2.5 to 2.5	Pass
					4.00	-4.921	-0.0020	-2.5 to 2.5	Pass
				-30	3.70	-8.712	-0.0035	-2.5 to 2.5	Pass
				-20	3.70	-8.655	-0.0035	-2.5 to 2.5	Pass
				-10	3.70	-3.204	-0.0013	-2.5 to 2.5	Pass
				0	3.70	-10.557	-0.0042	-2.5 to 2.5	Pass
				10	3.70	-11.401	-0.0046	-2.5 to 2.5	Pass
				30	3.70	-8.869	-0.0035	-2.5 to 2.5	Pass
				40	3.70	-8.211	-0.0033	-2.5 to 2.5	Pass
				50	3.70	-8.125	-0.0032	-2.5 to 2.5	Pass
	2593	75	0	20	3.30	-10.085	-0.0039	-2.5 to 2.5	Pass
					3.70	-5.765	-0.0022	-2.5 to 2.5	Pass
					4.00	-2.074	-0.0008	-2.5 to 2.5	Pass
				-30	3.70	-2.961	-0.0011	-2.5 to 2.5	Pass
				-20	3.70	-4.807	-0.0019	-2.5 to 2.5	Pass
				-10	3.70	-4.549	-0.0018	-2.5 to 2.5	Pass
				0	3.70	-5.822	-0.0022	-2.5 to 2.5	Pass
				10	3.70	-7.482	-0.0029	-2.5 to 2.5	Pass
				30	3.70	-4.020	-0.0016	-2.5 to 2.5	Pass
				40	3.70	-2.418	-0.0009	-2.5 to 2.5	Pass

				50	3.70	-5.579	-0.0022	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.30	-2.275	-0.0008	-2.5 to 2.5	Pass
					3.70	-4.392	-0.0016	-2.5 to 2.5	Pass
					4.00	-1.760	-0.0007	-2.5 to 2.5	Pass
				-30	3.70	-6.380	-0.0024	-2.5 to 2.5	Pass
				-20	3.70	-8.354	-0.0031	-2.5 to 2.5	Pass
				-10	3.70	-3.390	-0.0013	-2.5 to 2.5	Pass
				0	3.70	-7.110	-0.0027	-2.5 to 2.5	Pass
				10	3.70	-2.260	-0.0008	-2.5 to 2.5	Pass
				30	3.70	-12.517	-0.0047	-2.5 to 2.5	Pass
				40	3.70	-3.734	-0.0014	-2.5 to 2.5	Pass
				50	3.70	-7.081	-0.0026	-2.5 to 2.5	Pass
16QAM	2503.5	75	0	20	3.30	-7.582	-0.0030	-2.5 to 2.5	Pass
					3.70	-10.142	-0.0041	-2.5 to 2.5	Pass
					4.00	-8.397	-0.0034	-2.5 to 2.5	Pass
				-30	3.70	-10.829	-0.0043	-2.5 to 2.5	Pass
				-20	3.70	-10.715	-0.0043	-2.5 to 2.5	Pass
				-10	3.70	-8.683	-0.0035	-2.5 to 2.5	Pass
				0	3.70	-4.420	-0.0018	-2.5 to 2.5	Pass
				10	3.70	-12.388	-0.0049	-2.5 to 2.5	Pass
				30	3.70	-8.755	-0.0035	-2.5 to 2.5	Pass
				40	3.70	-7.195	-0.0029	-2.5 to 2.5	Pass
				50	3.70	-6.680	-0.0027	-2.5 to 2.5	Pass
	2593	75	0	20	3.30	-2.947	-0.0011	-2.5 to 2.5	Pass
					3.70	-6.266	-0.0024	-2.5 to 2.5	Pass
					4.00	-4.535	-0.0017	-2.5 to 2.5	Pass
				-30	3.70	-10.872	-0.0042	-2.5 to 2.5	Pass
				-20	3.70	-1.087	-0.0004	-2.5 to 2.5	Pass
				-10	3.70	-4.349	-0.0017	-2.5 to 2.5	Pass
				0	3.70	-10.686	-0.0041	-2.5 to 2.5	Pass
				10	3.70	-3.061	-0.0012	-2.5 to 2.5	Pass
				30	3.70	-3.934	-0.0015	-2.5 to 2.5	Pass
				40	3.70	-4.349	-0.0017	-2.5 to 2.5	Pass
				50	3.70	-7.038	-0.0027	-2.5 to 2.5	Pass
	2682.5	75	0	20	3.30	-6.924	-0.0026	-2.5 to 2.5	Pass
					3.70	-5.279	-0.0020	-2.5 to 2.5	Pass
					4.00	-8.025	-0.0030	-2.5 to 2.5	Pass
				-30	3.70	-3.705	-0.0014	-2.5 to 2.5	Pass
				-20	3.70	-9.685	-0.0036	-2.5 to 2.5	Pass
				-10	3.70	-4.020	-0.0015	-2.5 to 2.5	Pass
				0	3.70	-0.772	-0.0003	-2.5 to 2.5	Pass
				10	3.70	-7.696	-0.0029	-2.5 to 2.5	Pass
				30	3.70	-3.877	-0.0014	-2.5 to 2.5	Pass
				40	3.70	-10.929	-0.0041	-2.5 to 2.5	Pass
				50	3.70	-6.180	-0.0023	-2.5 to 2.5	Pass

2.4 B41_20MHz

2.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.30	-12.159	-0.0049	-2.5 to 2.5	Pass
					3.70	-13.075	-0.0052	-2.5 to 2.5	Pass
					4.00	-7.281	-0.0029	-2.5 to 2.5	Pass
				-30	3.70	-5.665	-0.0023	-2.5 to 2.5	Pass

				-20	3.70	-10.757	-0.0043	-2.5 to 2.5	Pass
				-10	3.70	-11.587	-0.0046	-2.5 to 2.5	Pass
				0	3.70	-10.886	-0.0043	-2.5 to 2.5	Pass
				10	3.70	-9.627	-0.0038	-2.5 to 2.5	Pass
				30	3.70	-11.187	-0.0045	-2.5 to 2.5	Pass
				40	3.70	-5.121	-0.0020	-2.5 to 2.5	Pass
				50	3.70	-9.055	-0.0036	-2.5 to 2.5	Pass
	2593	100	0	20	3.30	-2.689	-0.0010	-2.5 to 2.5	Pass
					3.70	-0.014	0.0000	-2.5 to 2.5	Pass
					4.00	-1.760	-0.0007	-2.5 to 2.5	Pass
				-30	3.70	-5.364	-0.0021	-2.5 to 2.5	Pass
				-20	3.70	-1.860	-0.0007	-2.5 to 2.5	Pass
				-10	3.70	-3.548	-0.0014	-2.5 to 2.5	Pass
				0	3.70	-3.133	-0.0012	-2.5 to 2.5	Pass
				10	3.70	2.046	0.0008	-2.5 to 2.5	Pass
				30	3.70	-1.559	-0.0006	-2.5 to 2.5	Pass
				40	3.70	-5.336	-0.0021	-2.5 to 2.5	Pass
				50	3.70	-4.807	-0.0019	-2.5 to 2.5	Pass
	2680	100	0	20	3.30	-6.981	-0.0026	-2.5 to 2.5	Pass
					3.70	-8.612	-0.0032	-2.5 to 2.5	Pass
					4.00	-4.506	-0.0017	-2.5 to 2.5	Pass
				-30	3.70	-4.163	-0.0016	-2.5 to 2.5	Pass
				-20	3.70	-0.229	-0.0001	-2.5 to 2.5	Pass
				-10	3.70	-5.808	-0.0022	-2.5 to 2.5	Pass
				0	3.70	-5.021	-0.0019	-2.5 to 2.5	Pass
				10	3.70	-4.721	-0.0018	-2.5 to 2.5	Pass
				30	3.70	-10.743	-0.0040	-2.5 to 2.5	Pass
				40	3.70	-8.225	-0.0031	-2.5 to 2.5	Pass
				50	3.70	-3.519	-0.0013	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.30	-9.184	-0.0037	-2.5 to 2.5	Pass
					3.70	-9.227	-0.0037	-2.5 to 2.5	Pass
					4.00	-7.482	-0.0030	-2.5 to 2.5	Pass
				-30	3.70	-13.547	-0.0054	-2.5 to 2.5	Pass
				-20	3.70	-7.510	-0.0030	-2.5 to 2.5	Pass
				-10	3.70	-6.022	-0.0024	-2.5 to 2.5	Pass
				0	3.70	-2.275	-0.0009	-2.5 to 2.5	Pass
				10	3.70	-3.262	-0.0013	-2.5 to 2.5	Pass
				30	3.70	-10.543	-0.0042	-2.5 to 2.5	Pass
				40	3.70	-10.571	-0.0042	-2.5 to 2.5	Pass
				50	3.70	-13.433	-0.0054	-2.5 to 2.5	Pass
	2593	100	0	20	3.30	-6.137	-0.0024	-2.5 to 2.5	Pass
					3.70	-2.460	-0.0009	-2.5 to 2.5	Pass
					4.00	-4.106	-0.0016	-2.5 to 2.5	Pass
				-30	3.70	-4.163	-0.0016	-2.5 to 2.5	Pass
				-20	3.70	-5.622	-0.0022	-2.5 to 2.5	Pass
				-10	3.70	-4.406	-0.0017	-2.5 to 2.5	Pass
				0	3.70	-3.405	-0.0013	-2.5 to 2.5	Pass
				10	3.70	-7.224	-0.0028	-2.5 to 2.5	Pass
				30	3.70	-4.892	-0.0019	-2.5 to 2.5	Pass
				40	3.70	-0.944	-0.0004	-2.5 to 2.5	Pass
				50	3.70	1.287	0.0005	-2.5 to 2.5	Pass
	2680	100	0	20	3.30	-3.977	-0.0015	-2.5 to 2.5	Pass
					3.70	-4.005	-0.0015	-2.5 to 2.5	Pass
					4.00	-4.907	-0.0018	-2.5 to 2.5	Pass
				-30	3.70	-3.433	-0.0013	-2.5 to 2.5	Pass
				-20	3.70	-6.351	-0.0024	-2.5 to 2.5	Pass
				-10	3.70	-4.592	-0.0017	-2.5 to 2.5	Pass
				0	3.70	-5.178	-0.0019	-2.5 to 2.5	Pass
				10	3.70	-1.917	-0.0007	-2.5 to 2.5	Pass

				30	3.70	-5.307	-0.0020	-2.5 to 2.5	Pass
				40	3.70	-3.734	-0.0014	-2.5 to 2.5	Pass
				50	3.70	-9.313	-0.0035	-2.5 to 2.5	Pass

3. Modulation Characteristics

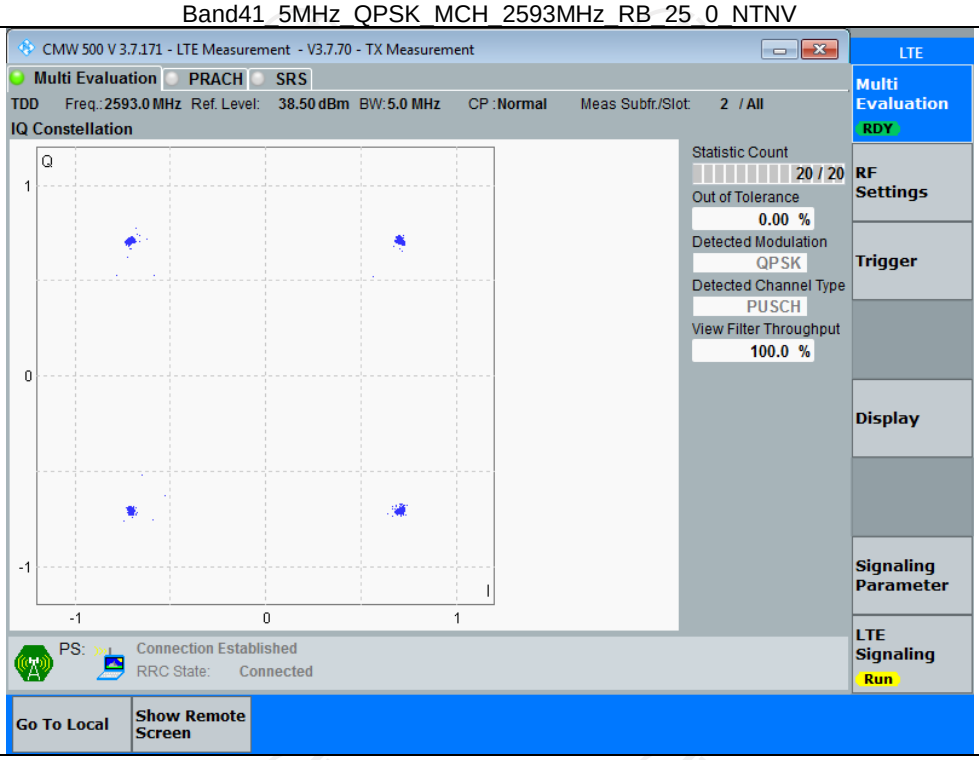
3.1 B41_5MHz

3.1.1 Test Result

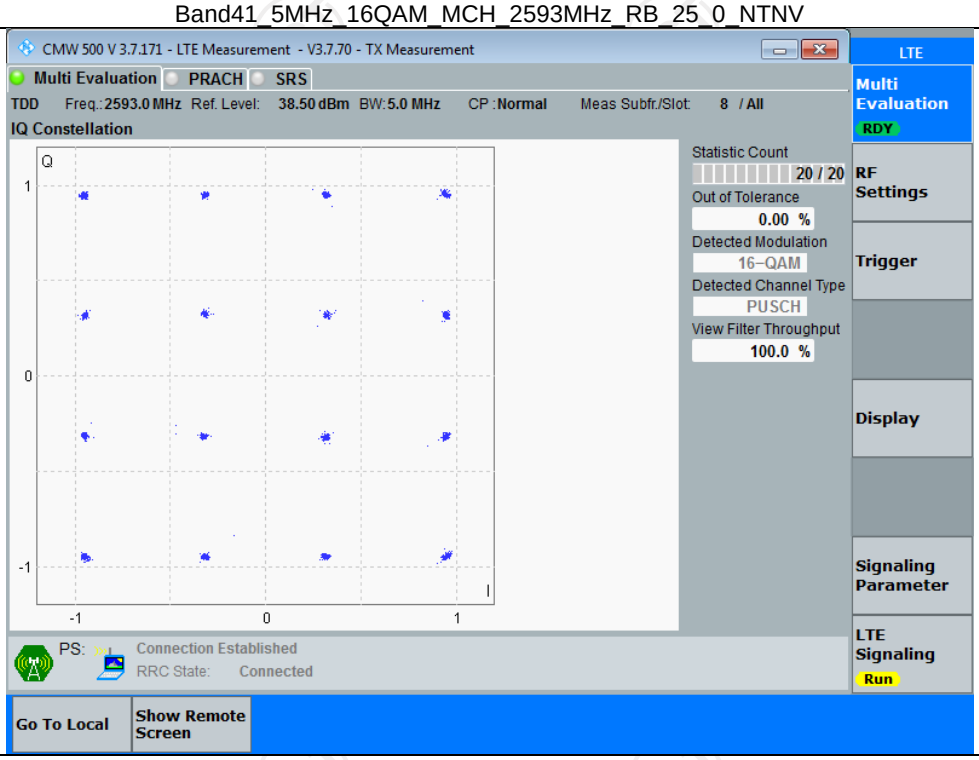
Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	25	0	Refer To Test Graph		Pass
16QAM	2593	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



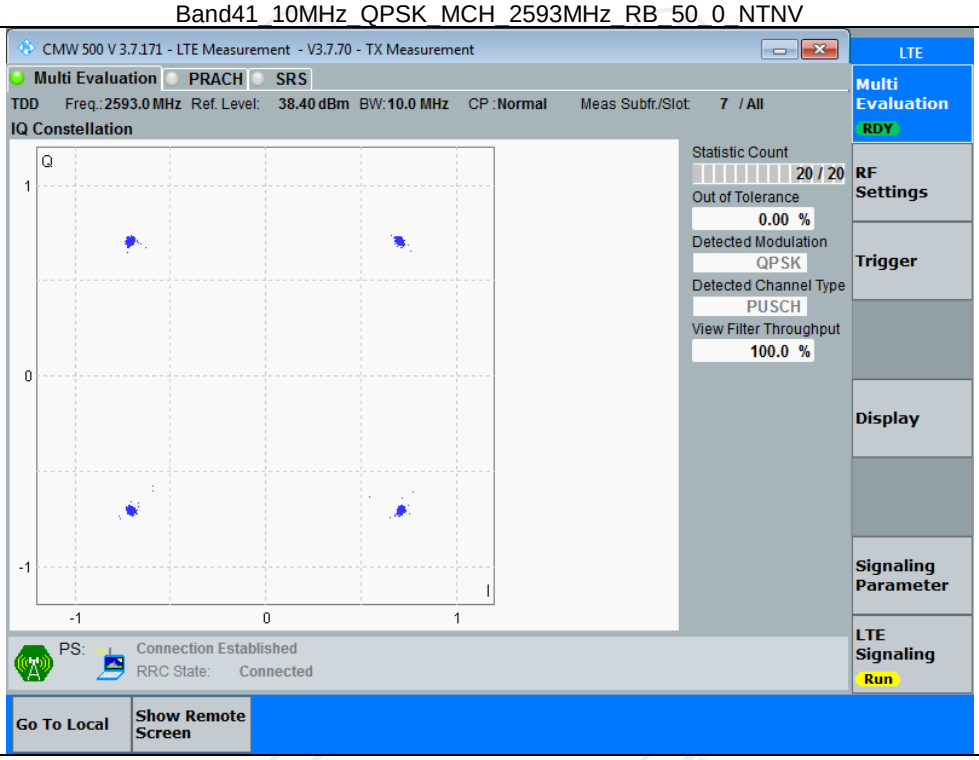
3.2 B41_10MHz

3.2.1 Test Result

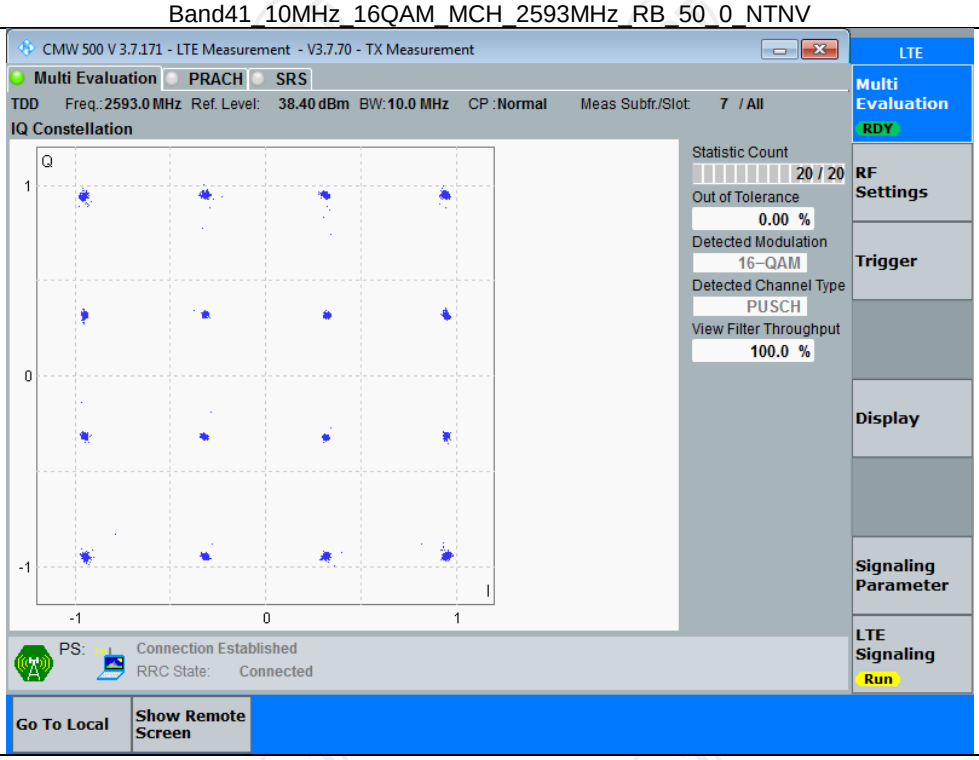
Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	50	0	Refer To Test Graph		Pass
16QAM	2593	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph

Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



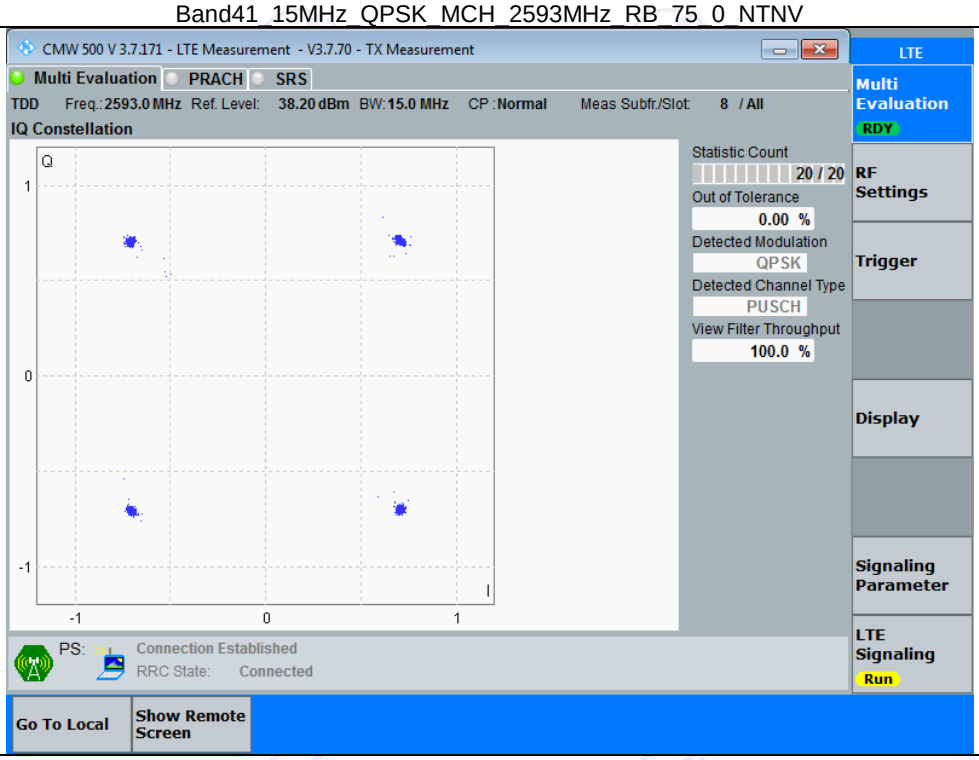
3.3 B41_15MHz

3.3.1 Test Result

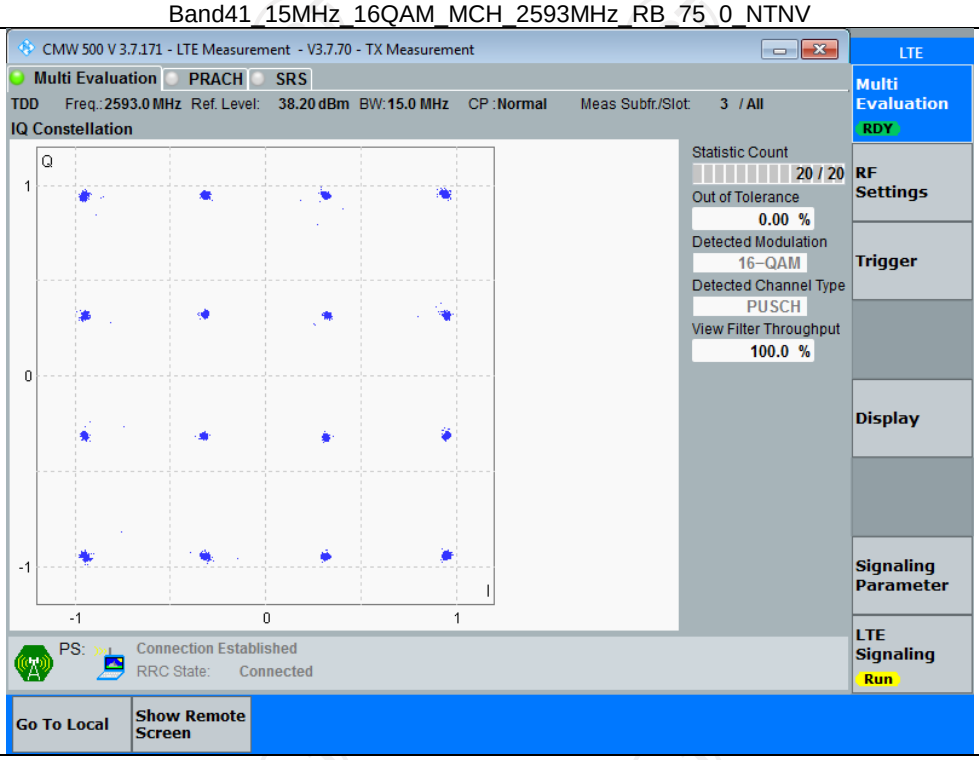
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	75	0	Refer To Test Graph		Pass
16QAM	2593	75	0	Refer To Test Graph		Pass

3.3.2 Test Graph

Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



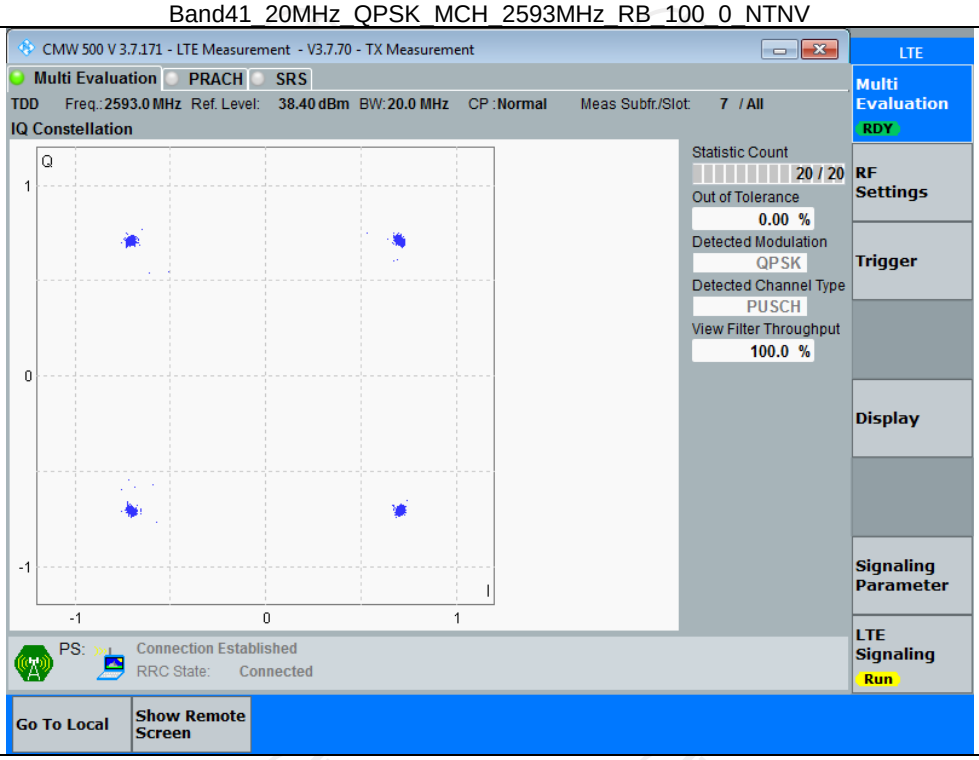
3.4 B41_20MHz

3.4.1 Test Result

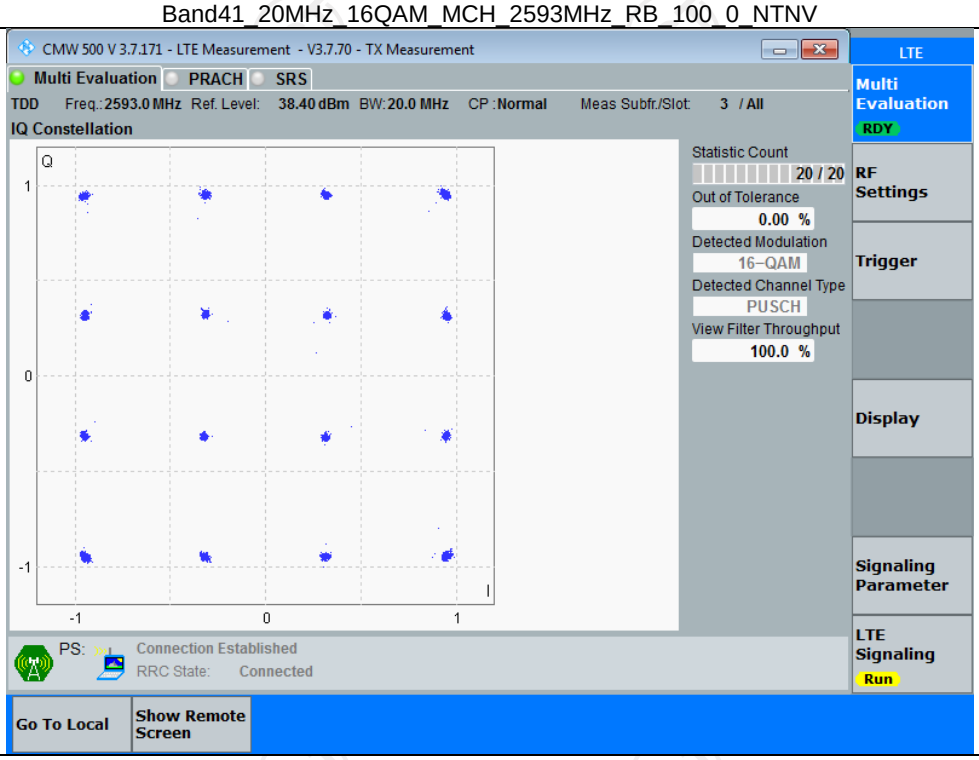
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	Refer To Test Graph		Pass
16QAM	2593	100	0	Refer To Test Graph		Pass

3.4.2 Test Graph

Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



4. 99% & 26dB Bandwidth

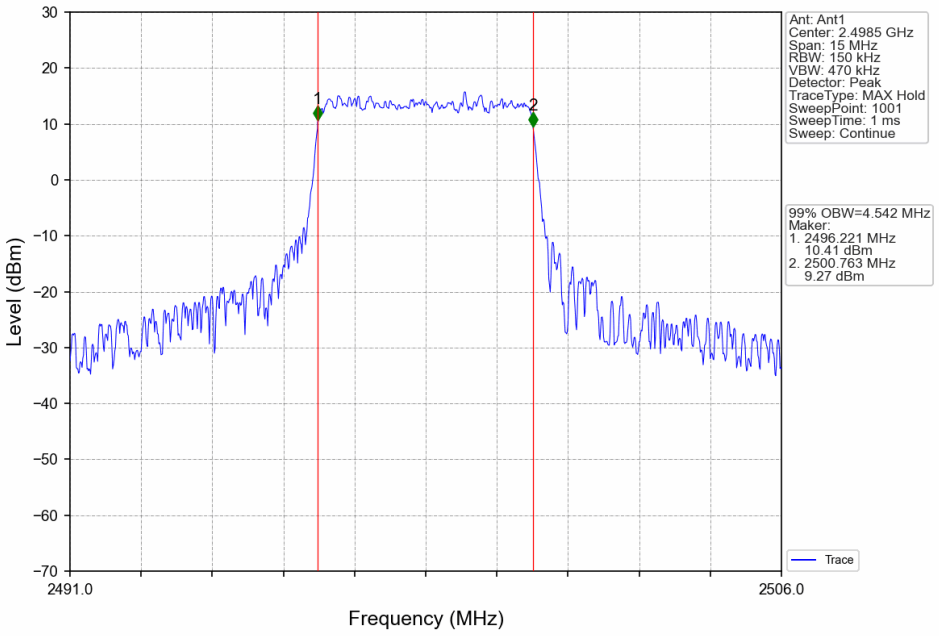
4.1 Band41_OBW

4.1.1 Test Result

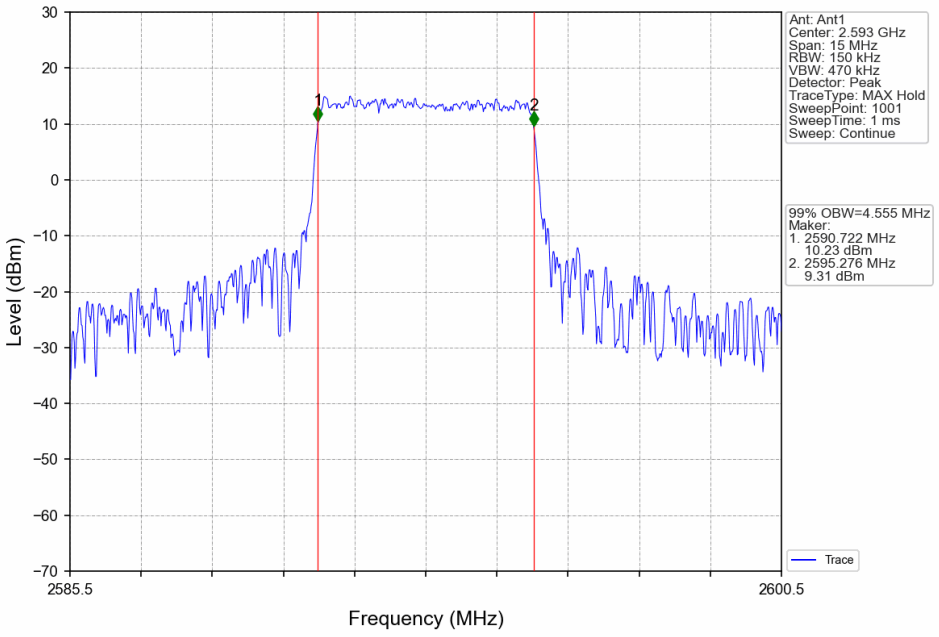
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.542	Pass
		2593	25	0	4.555	Pass
		2687.5	25	0	4.550	Pass
	16QAM	2498.5	25	0	4.540	Pass
		2593	25	0	4.550	Pass
		2687.5	25	0	4.527	Pass
10	QPSK	2501	50	0	9.048	Pass
		2593	50	0	9.065	Pass
		2685	50	0	9.064	Pass
	16QAM	2501	50	0	9.037	Pass
		2593	50	0	9.051	Pass
		2685	50	0	9.088	Pass
15	QPSK	2503.5	75	0	13.600	Pass
		2593	75	0	13.565	Pass
		2682.5	75	0	13.554	Pass
	16QAM	2503.5	75	0	13.564	Pass
		2593	75	0	13.593	Pass
		2682.5	75	0	13.608	Pass
20	QPSK	2506	100	0	18.078	Pass
		2593	100	0	18.054	Pass
		2680	100	0	18.149	Pass
	16QAM	2506	100	0	17.995	Pass
		2593	100	0	18.105	Pass
		2680	100	0	18.087	Pass

4.1.2 Test Graph

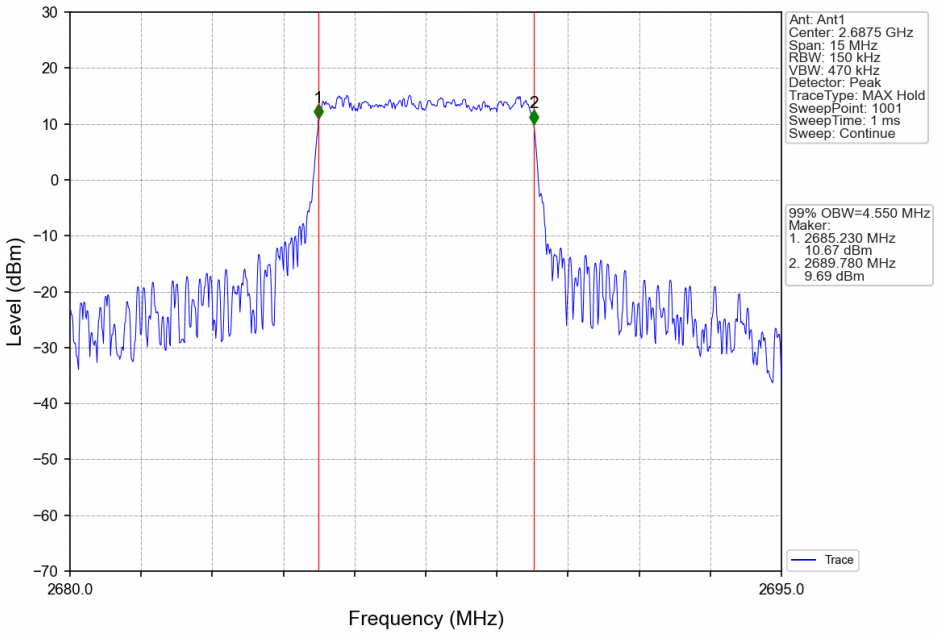
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



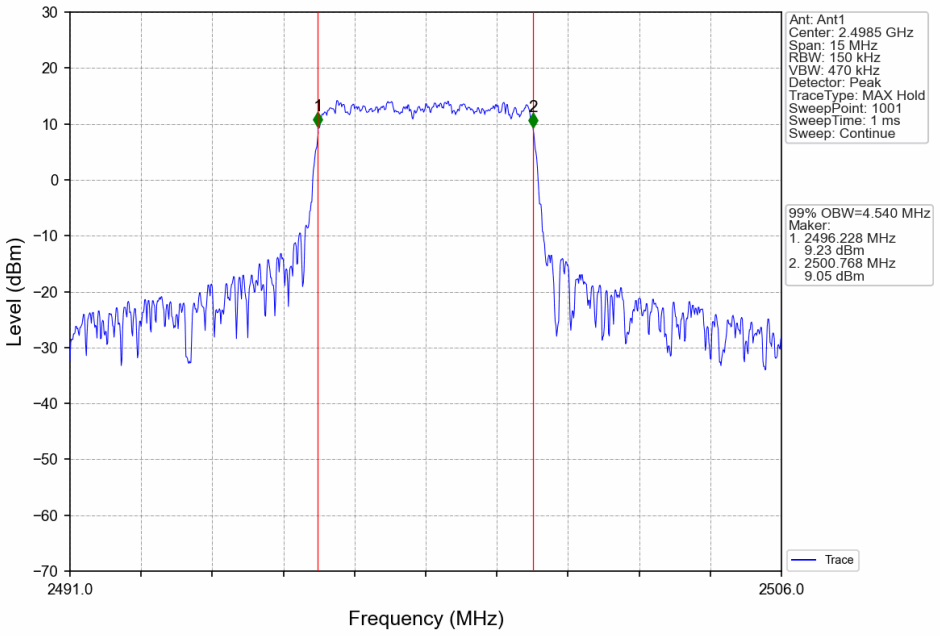
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



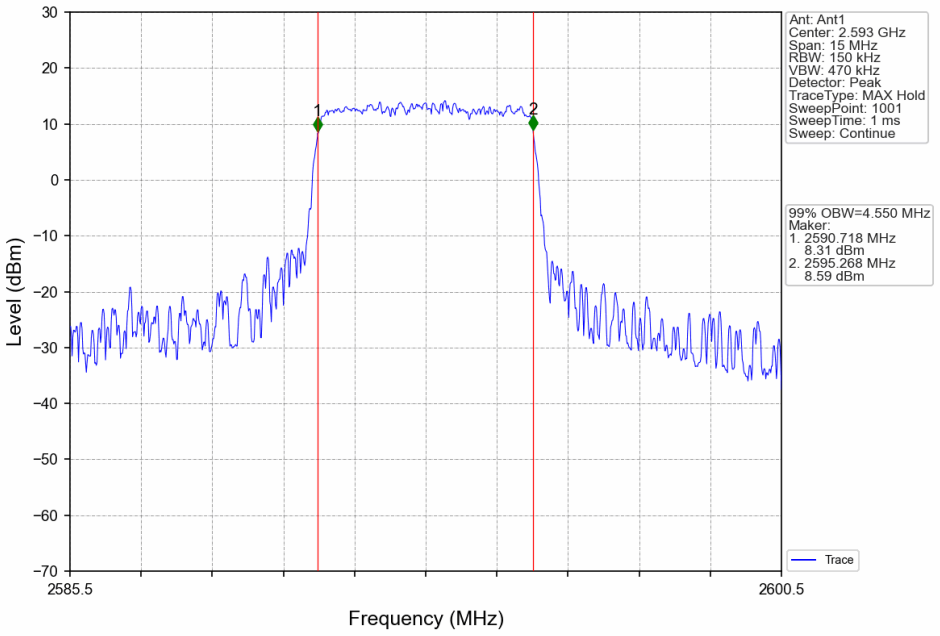
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



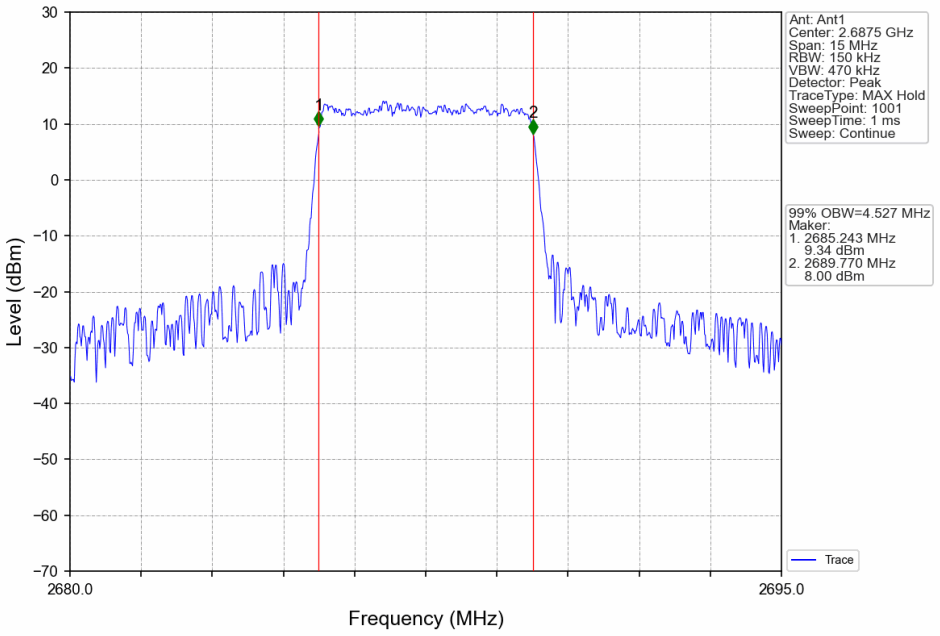
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV

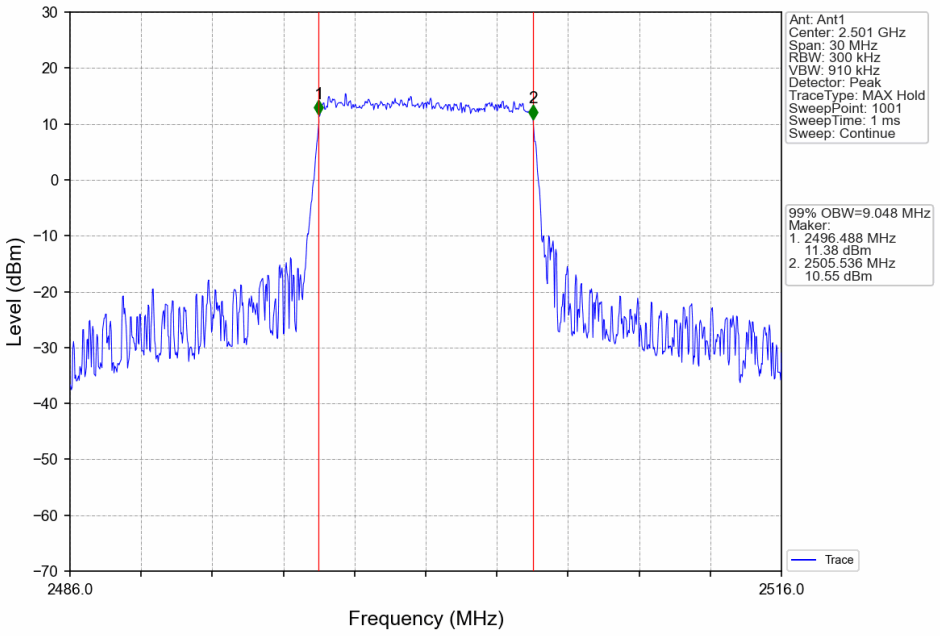


Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

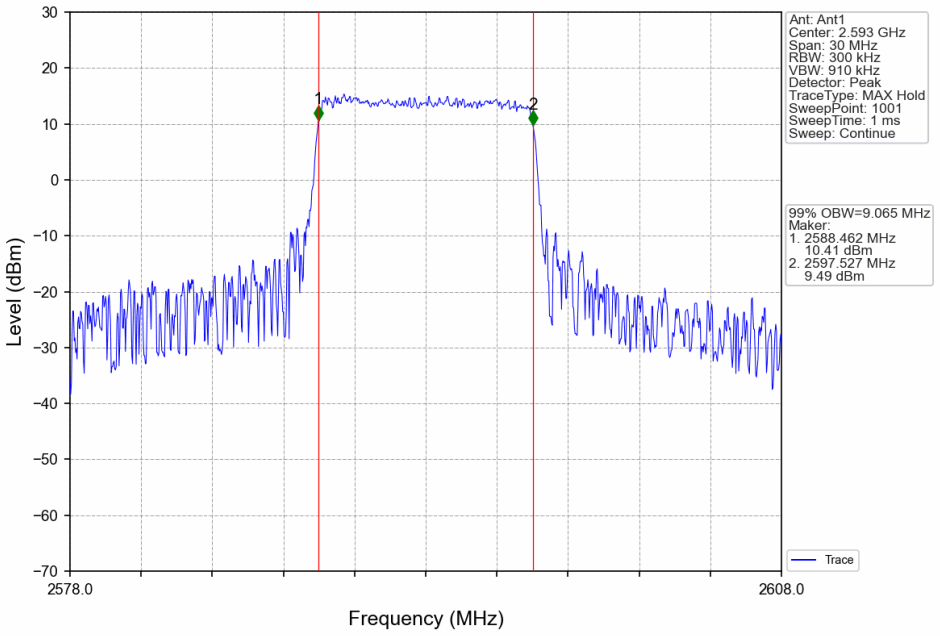


Hotline: 400-6611-140 Tel: 86-755-27673339 Fax: 86-755-27673332 http://www.tct-lab.com

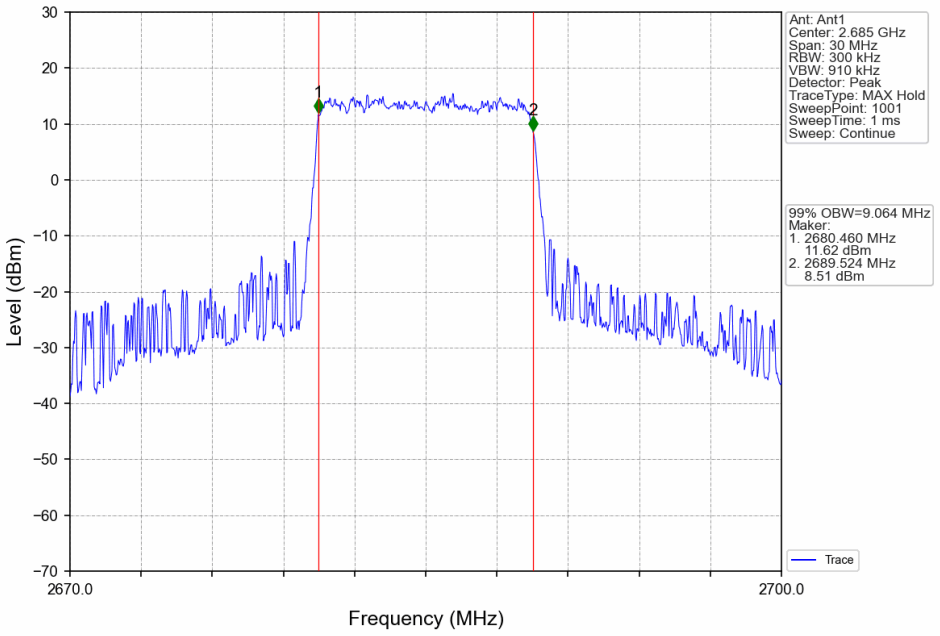
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



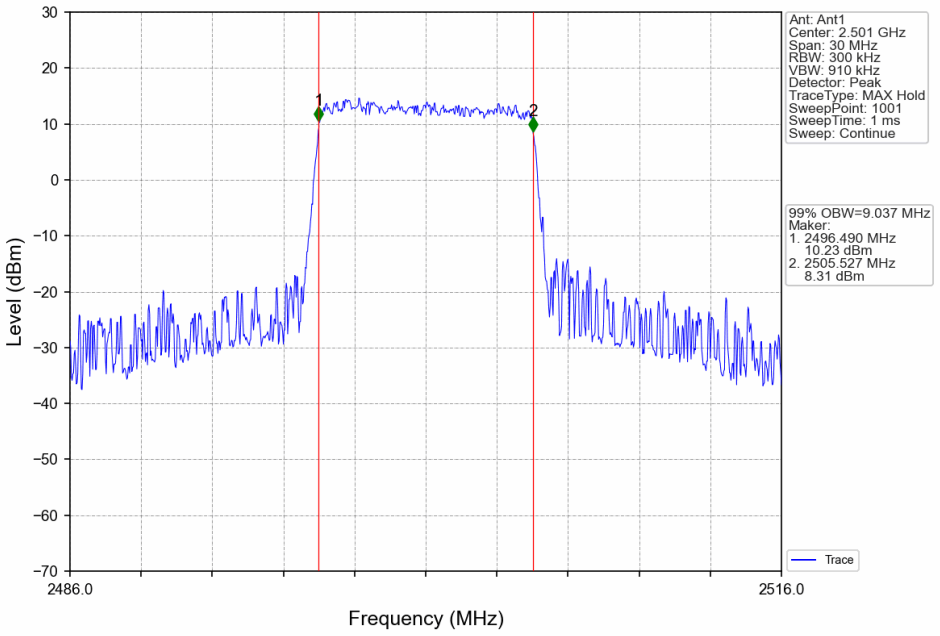
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



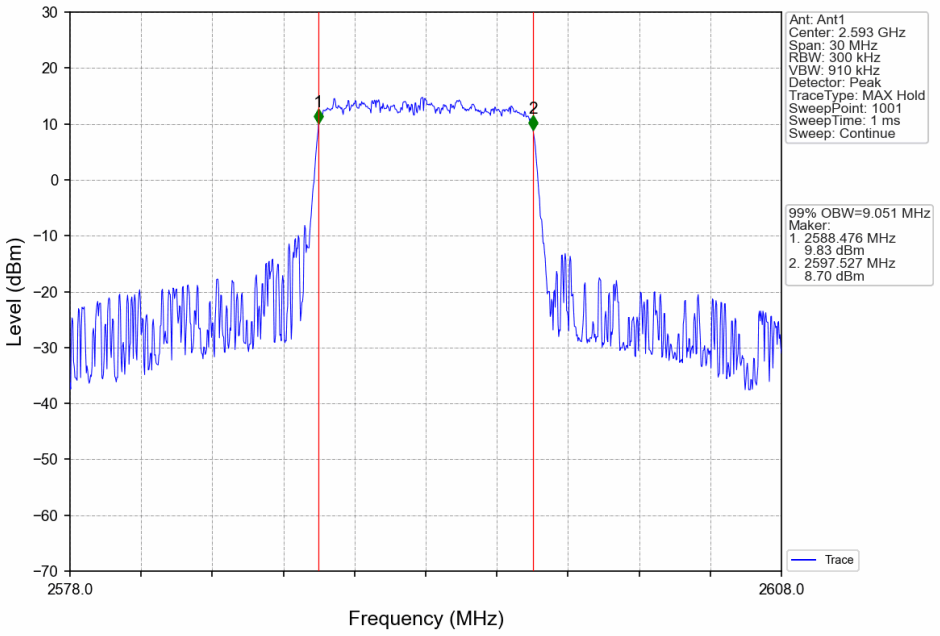
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



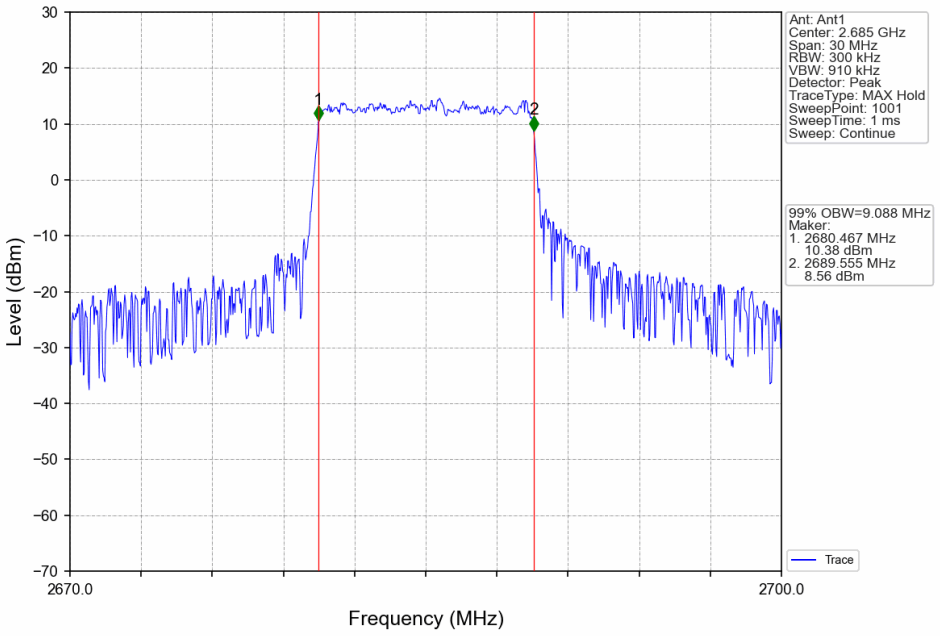
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



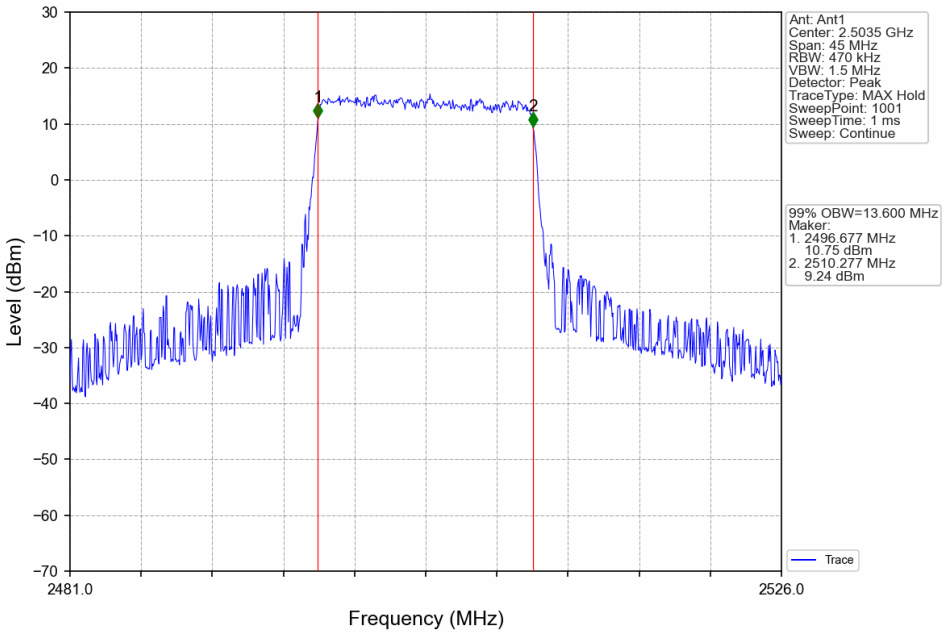
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



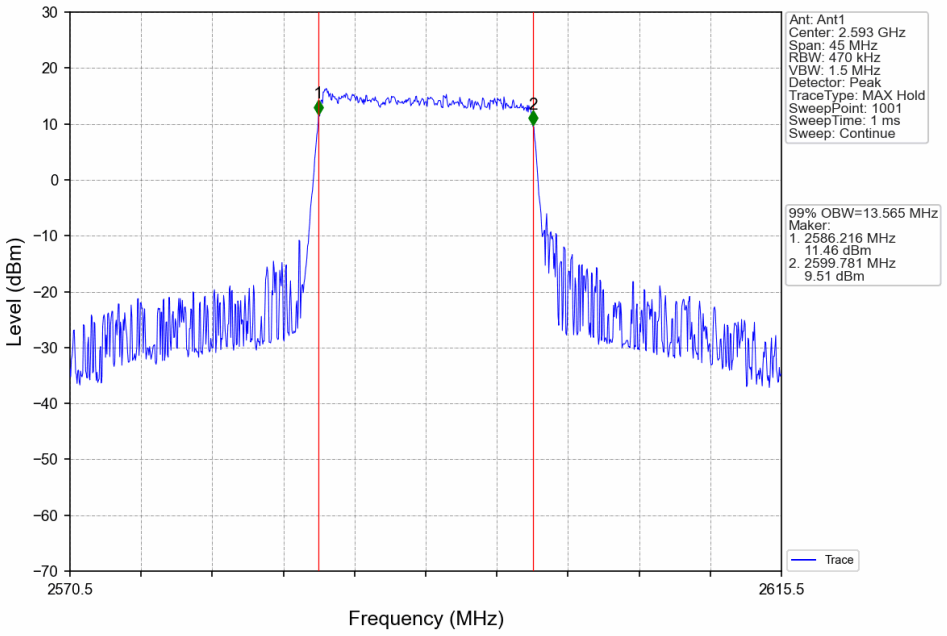
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



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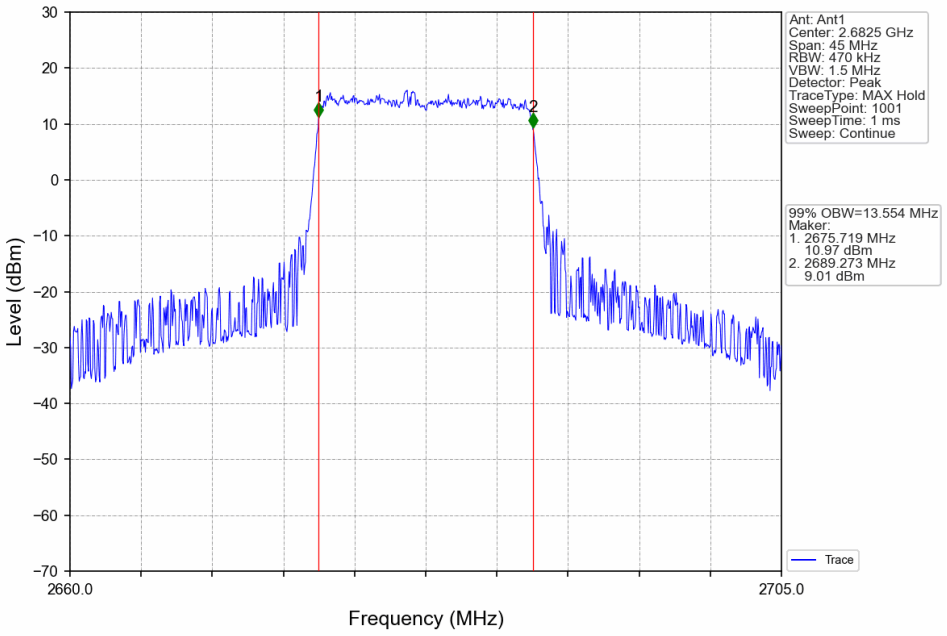
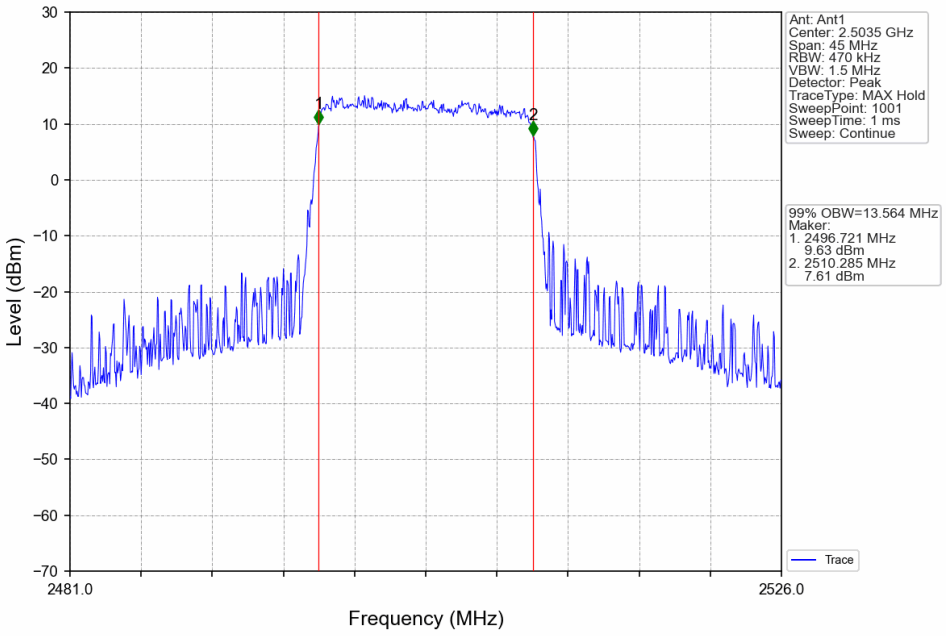
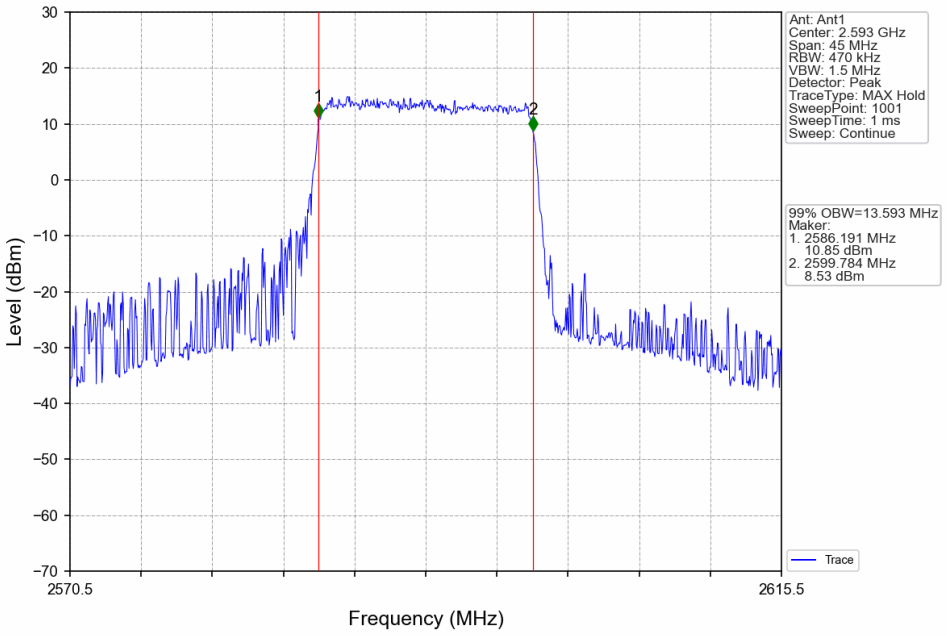
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



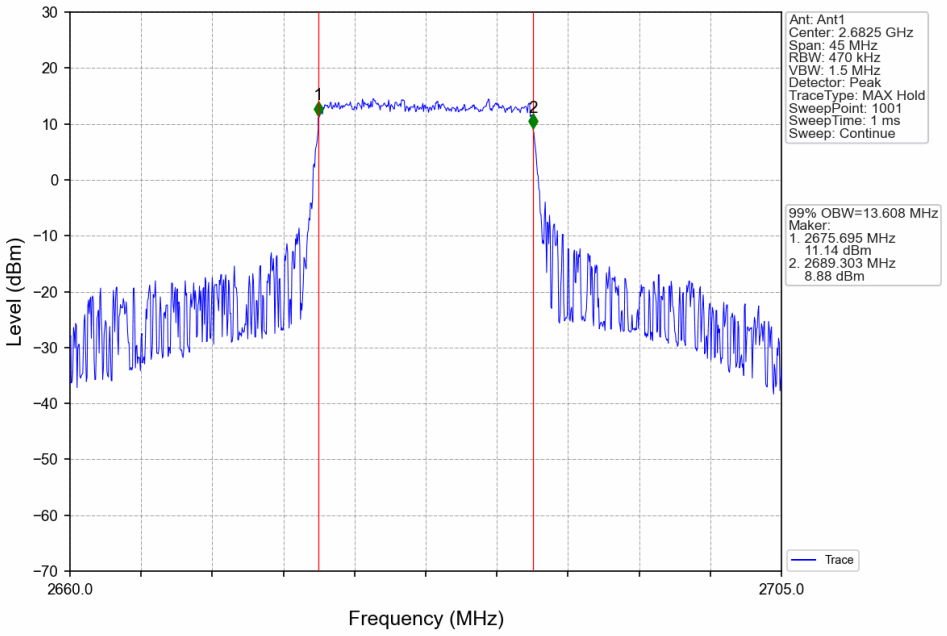
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



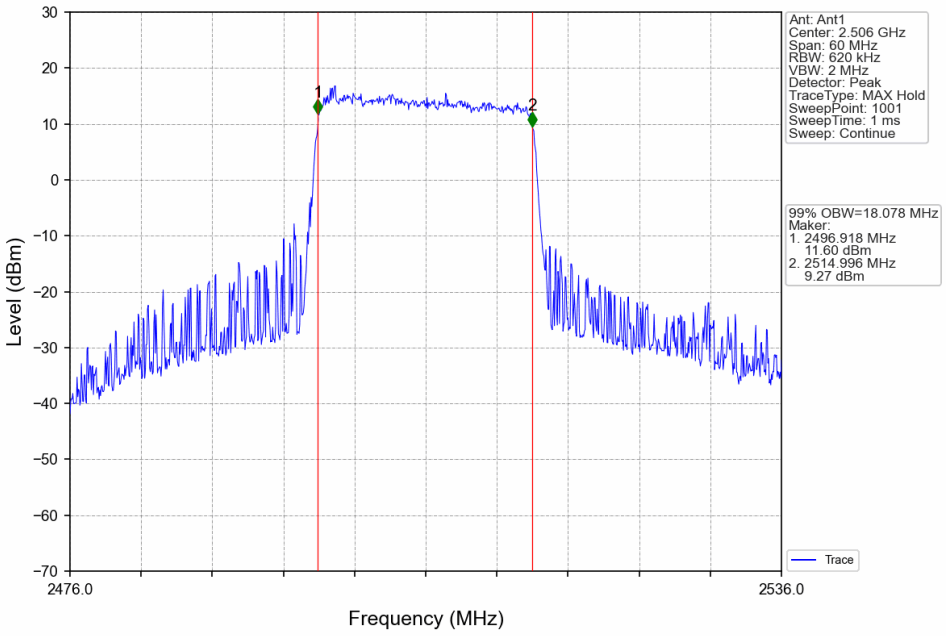
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



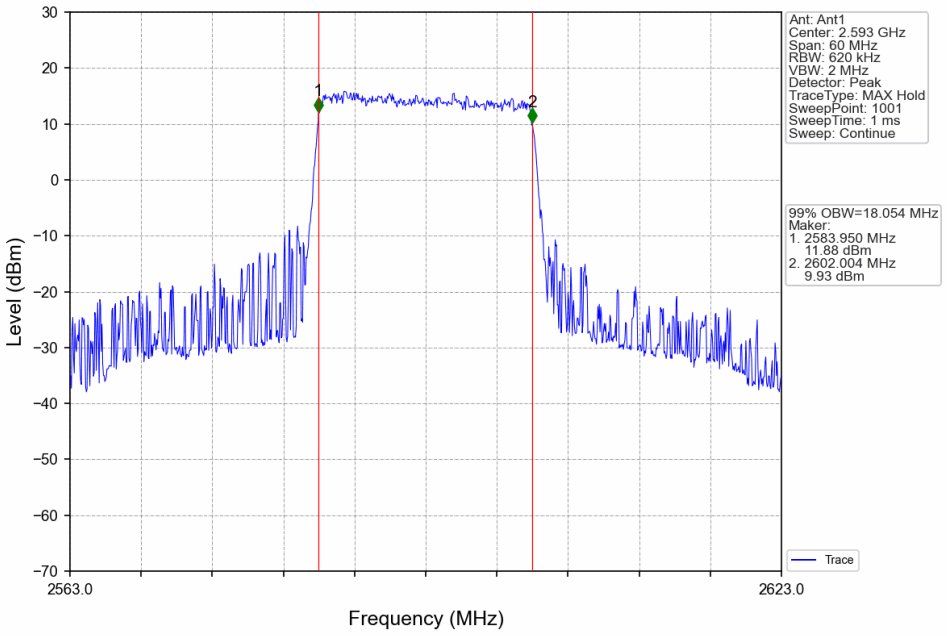
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



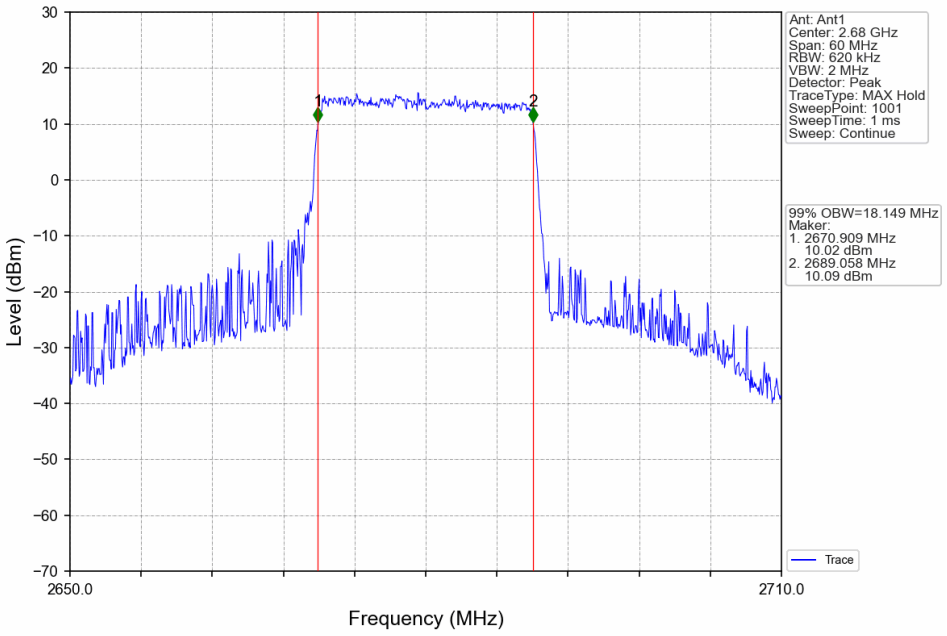
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



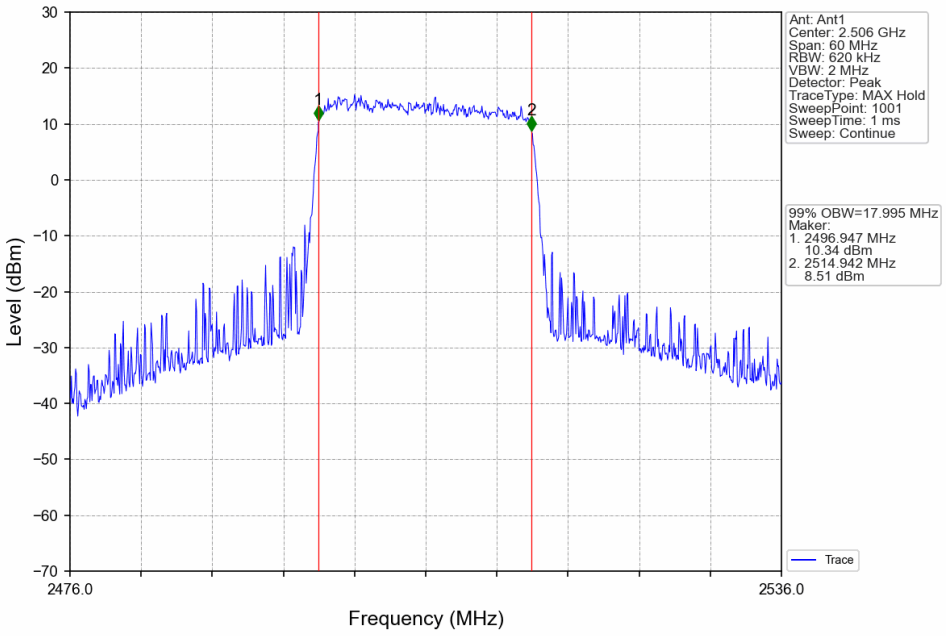
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



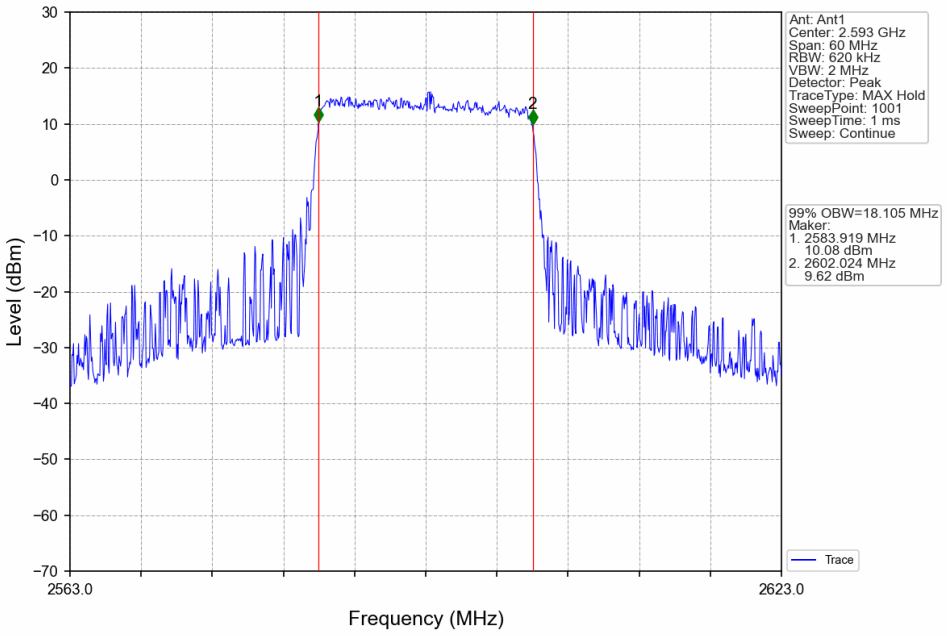
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



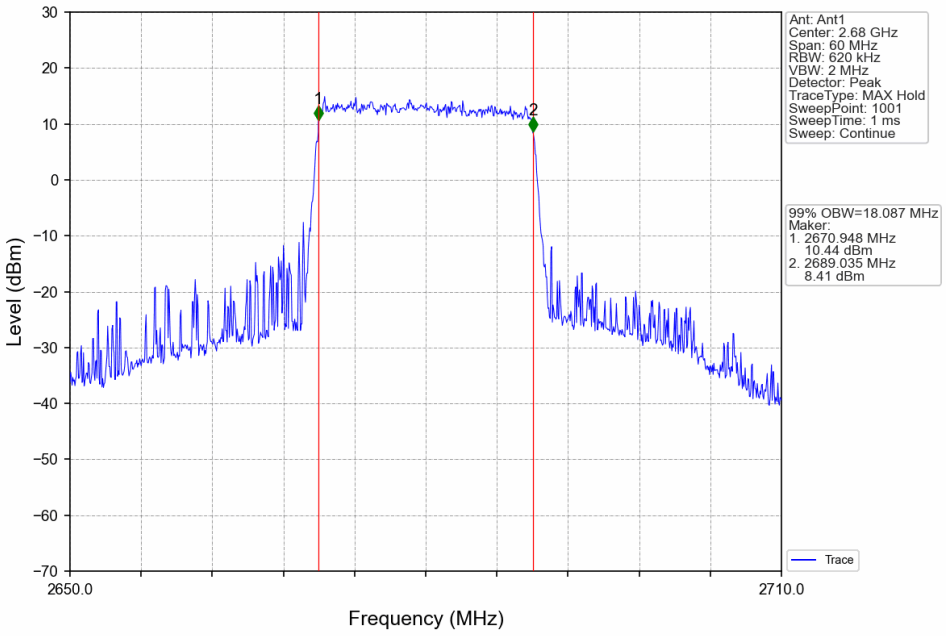
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



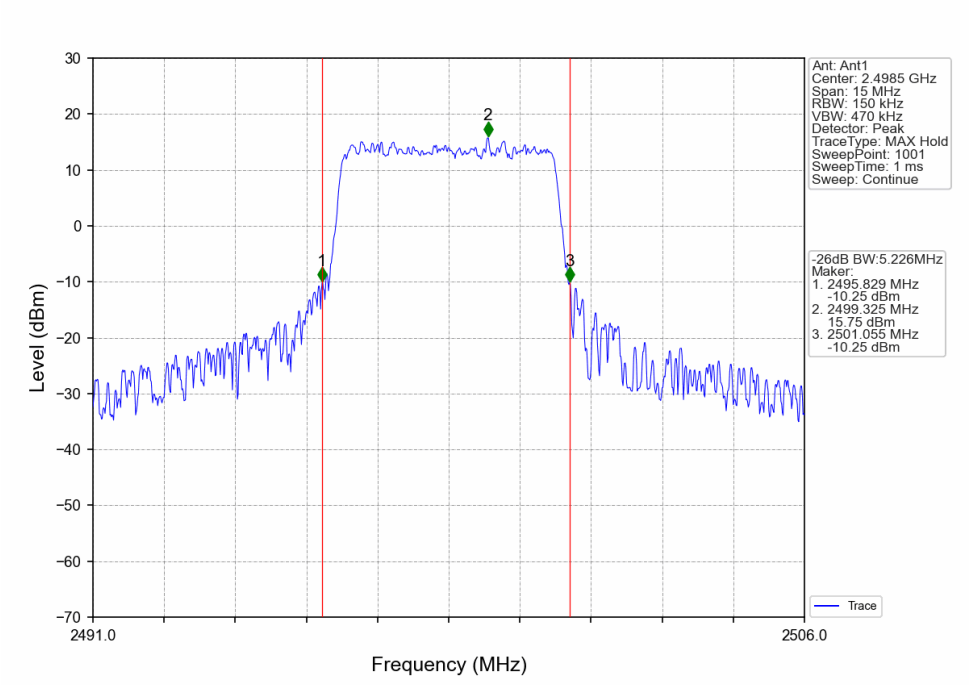
4.2 Band41_XDB

4.2.1 Test Result

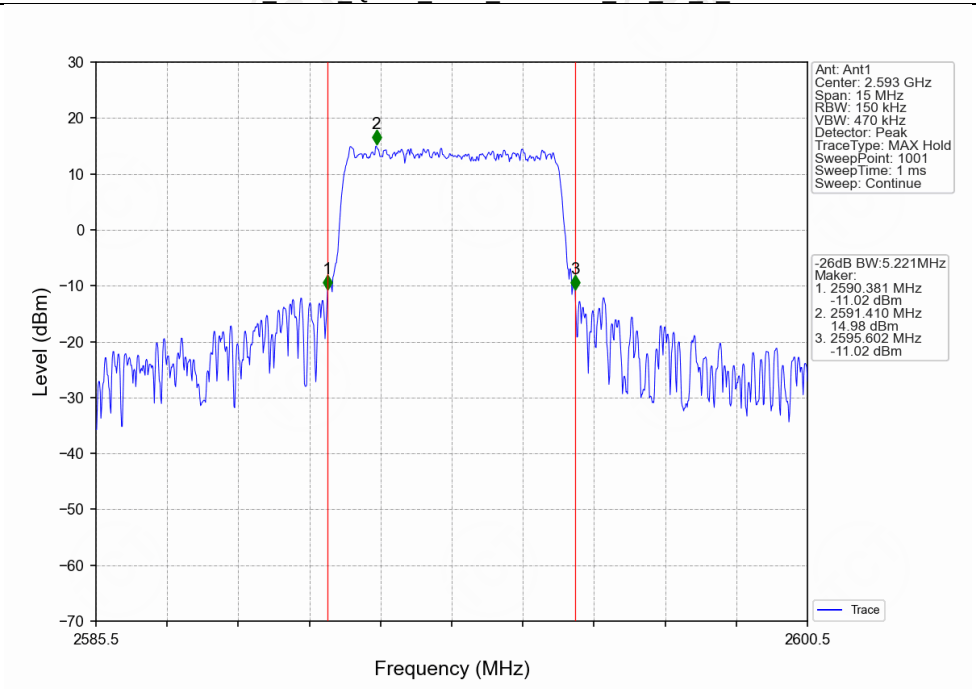
Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	5.226	Pass
		2593	25	0	5.221	Pass
		2687.5	25	0	5.375	Pass
	16QAM	2498.5	25	0	5.288	Pass
		2593	25	0	5.031	Pass
		2687.5	25	0	4.984	Pass
10	QPSK	2501	50	0	10.226	Pass
		2593	50	0	11.215	Pass
		2685	50	0	9.996	Pass
	16QAM	2501	50	0	9.940	Pass
		2593	50	0	10.475	Pass
		2685	50	0	11.308	Pass
15	QPSK	2503.5	75	0	15.127	Pass
		2593	75	0	15.633	Pass
		2682.5	75	0	15.867	Pass
	16QAM	2503.5	75	0	15.346	Pass
		2593	75	0	16.570	Pass
		2682.5	75	0	17.479	Pass
20	QPSK	2506	100	0	20.842	Pass
		2593	100	0	21.793	Pass
		2680	100	0	20.629	Pass
	16QAM	2506	100	0	20.032	Pass
		2593	100	0	21.202	Pass
		2680	100	0	20.222	Pass

4.2.2 Test Graph

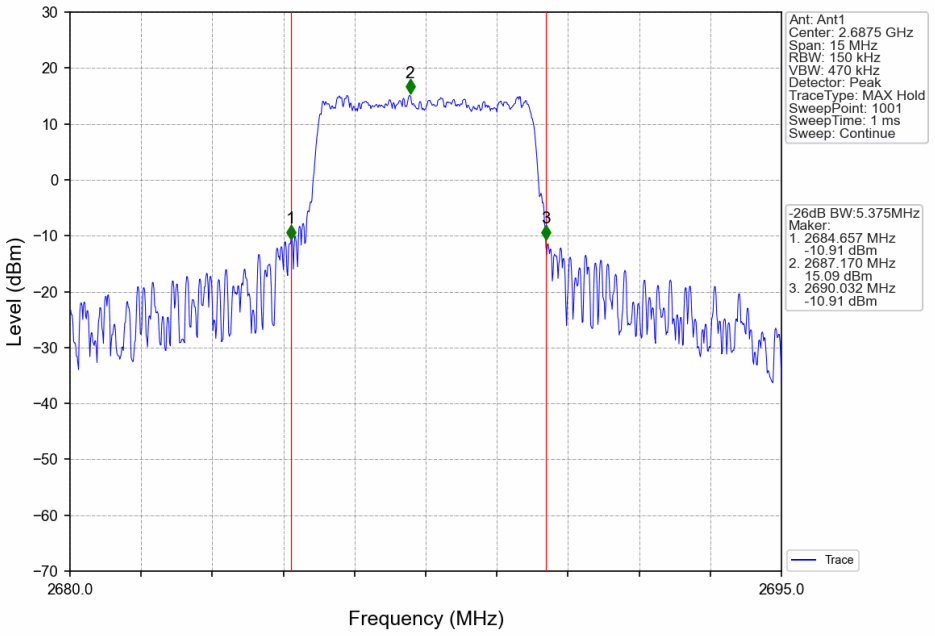
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



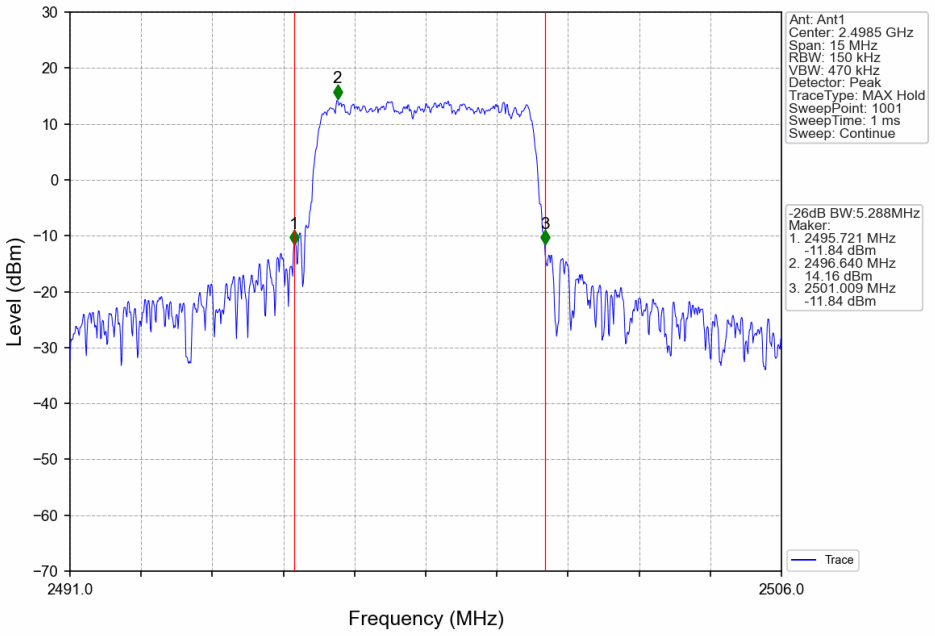
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



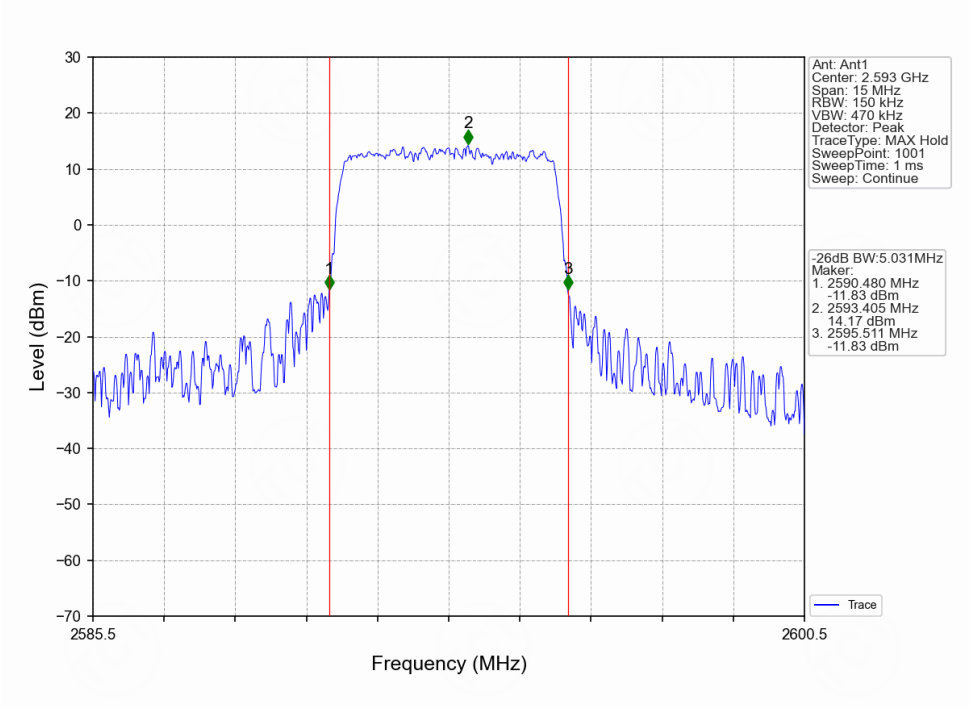
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



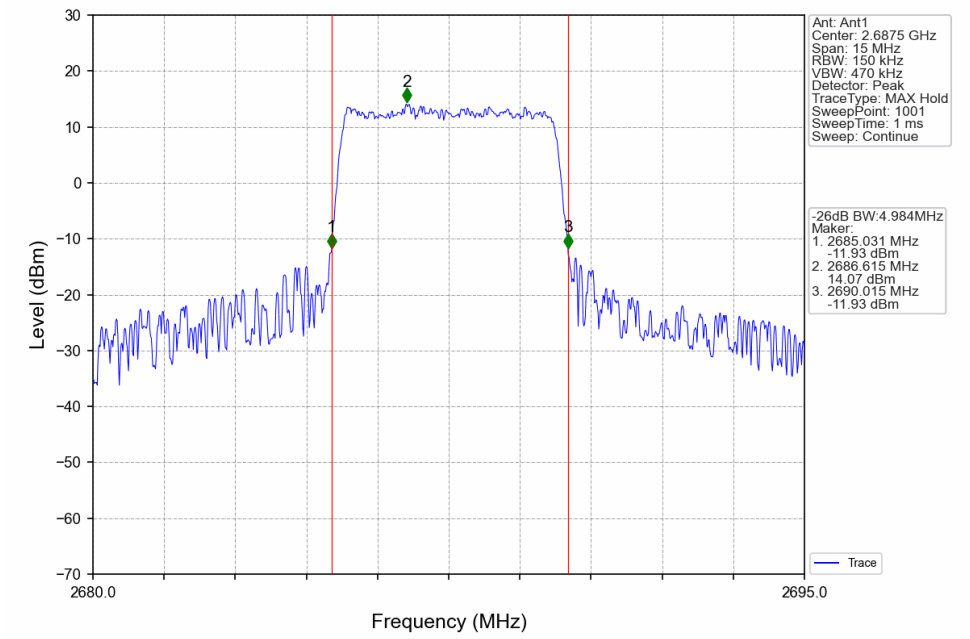
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



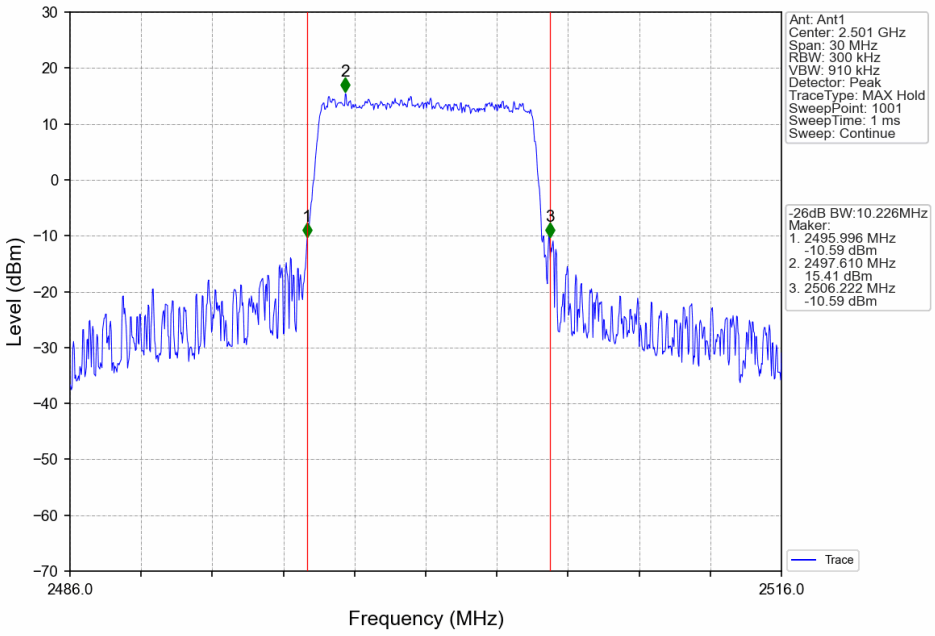
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



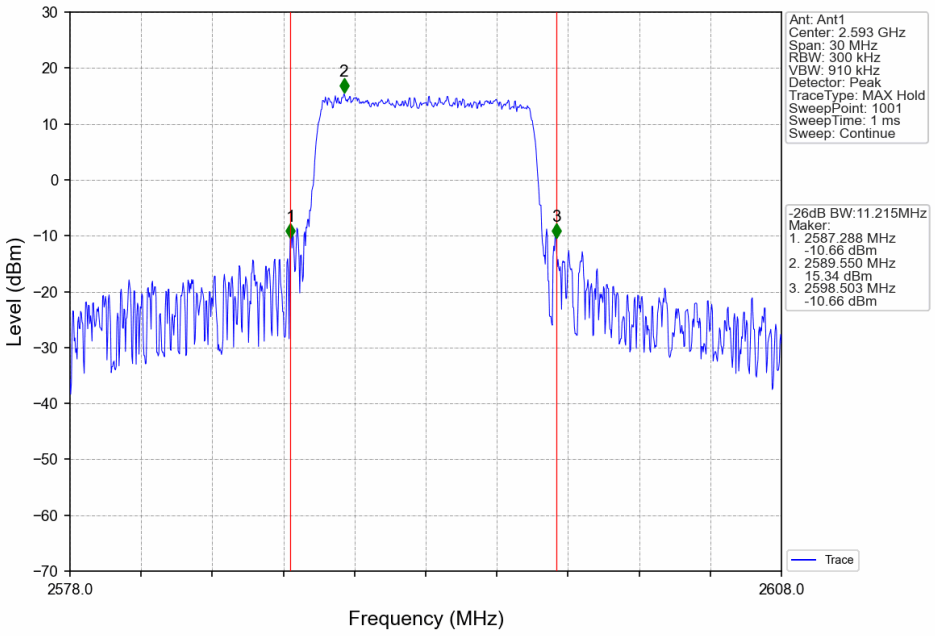
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



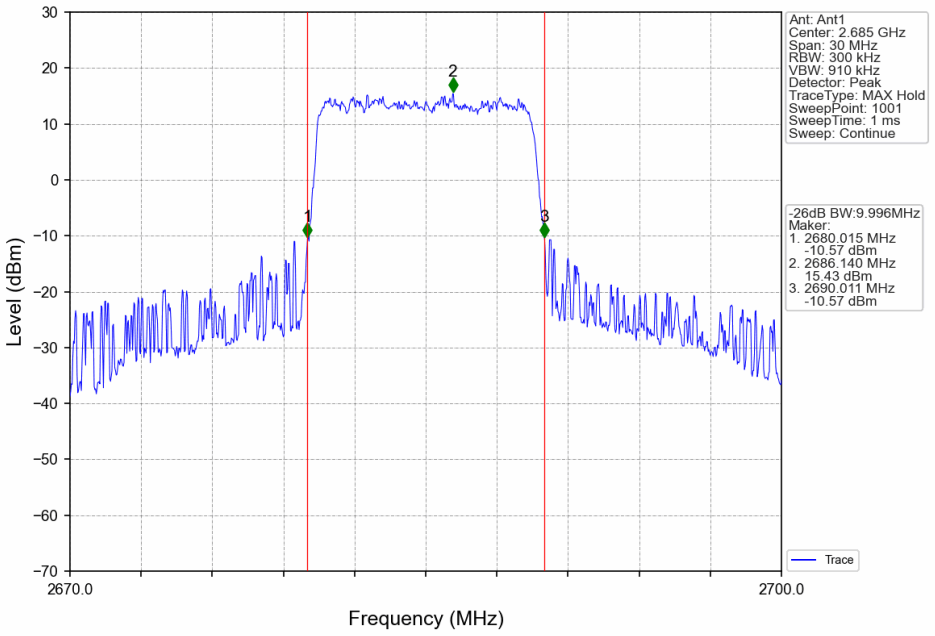
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



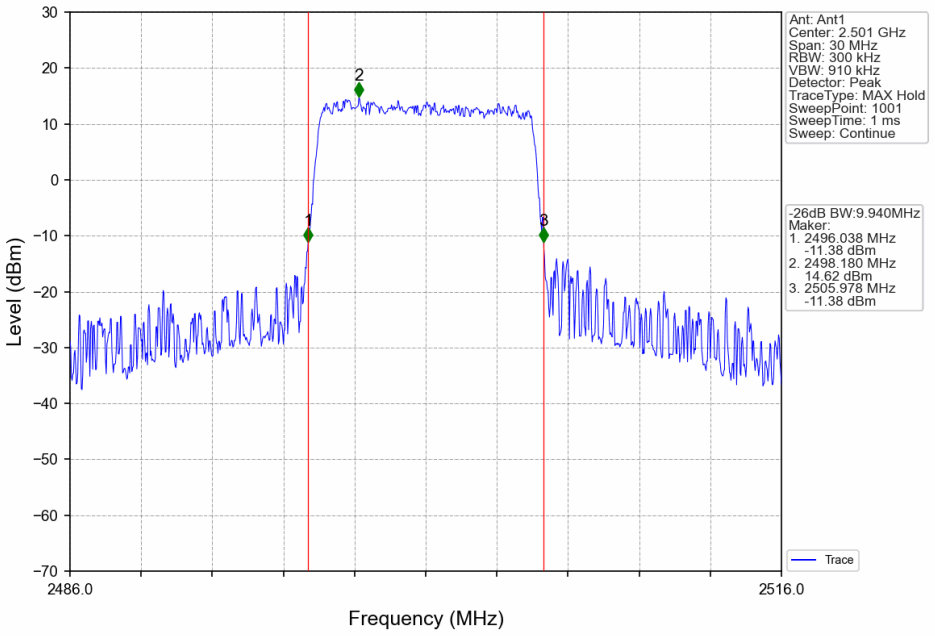
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



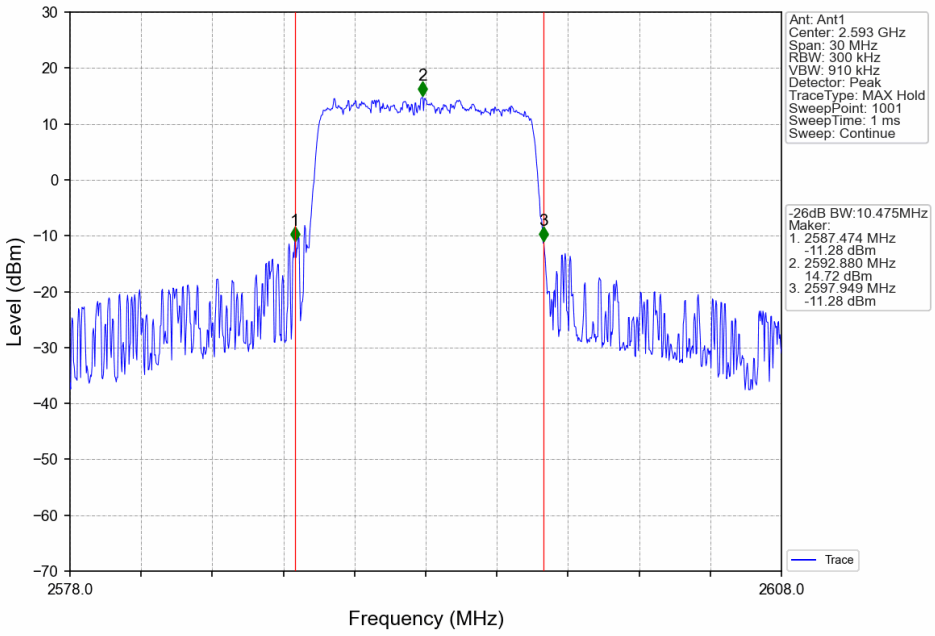
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



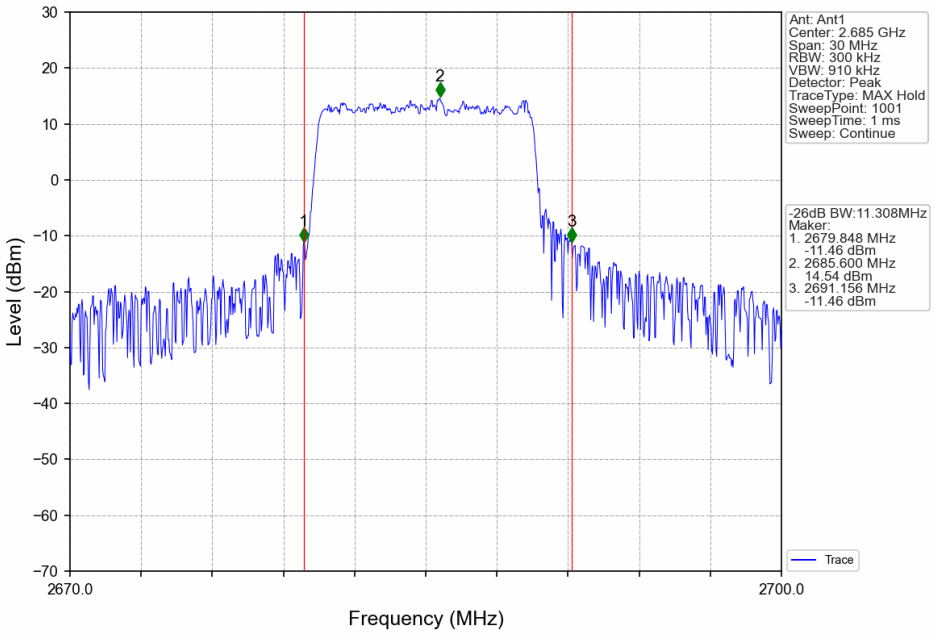
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



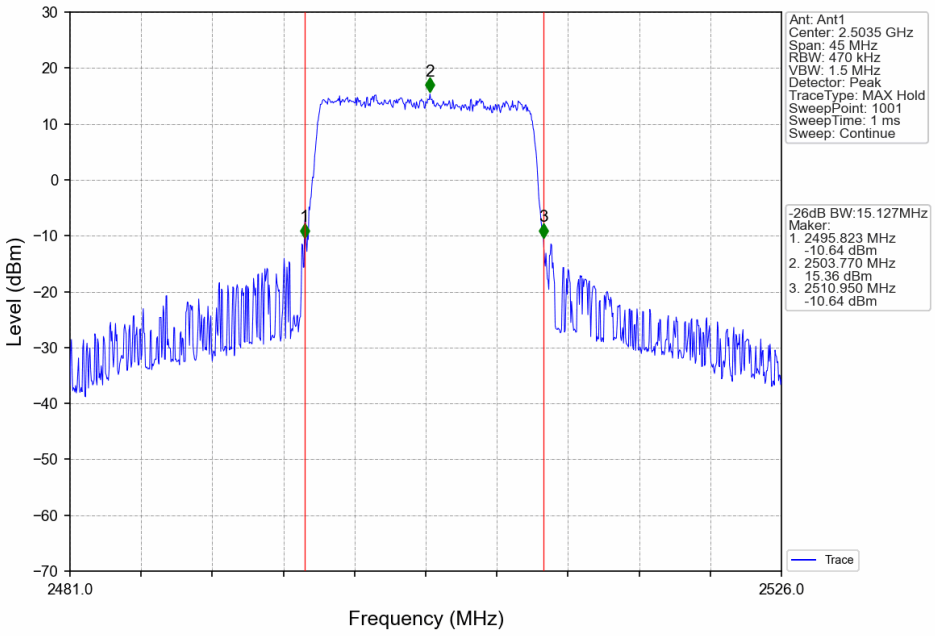
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



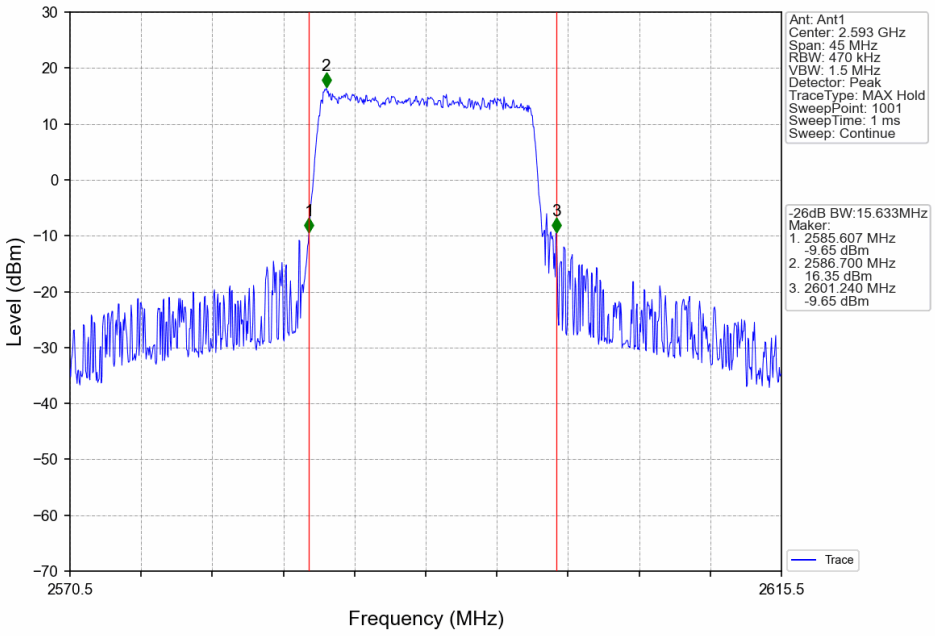
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



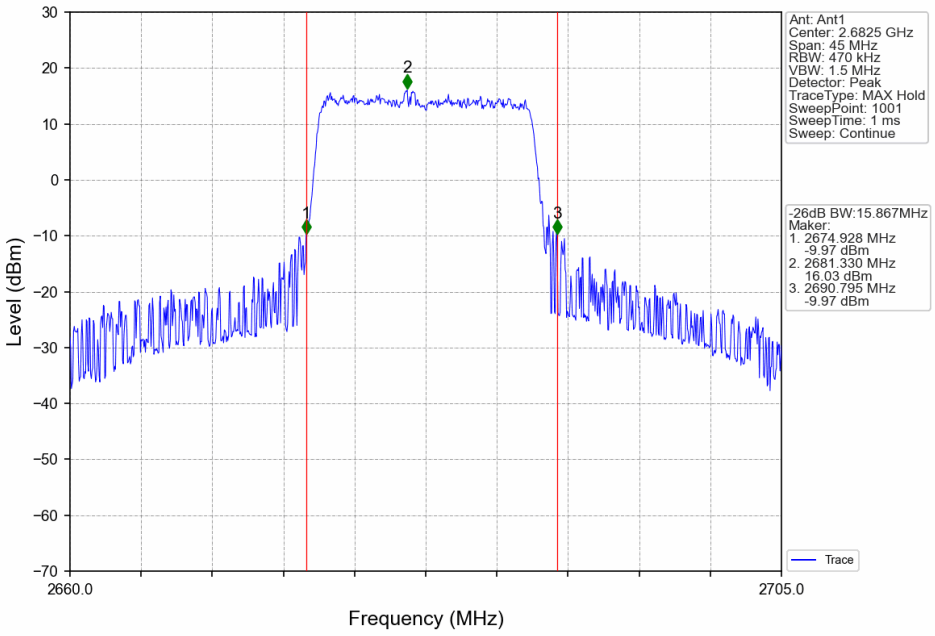
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



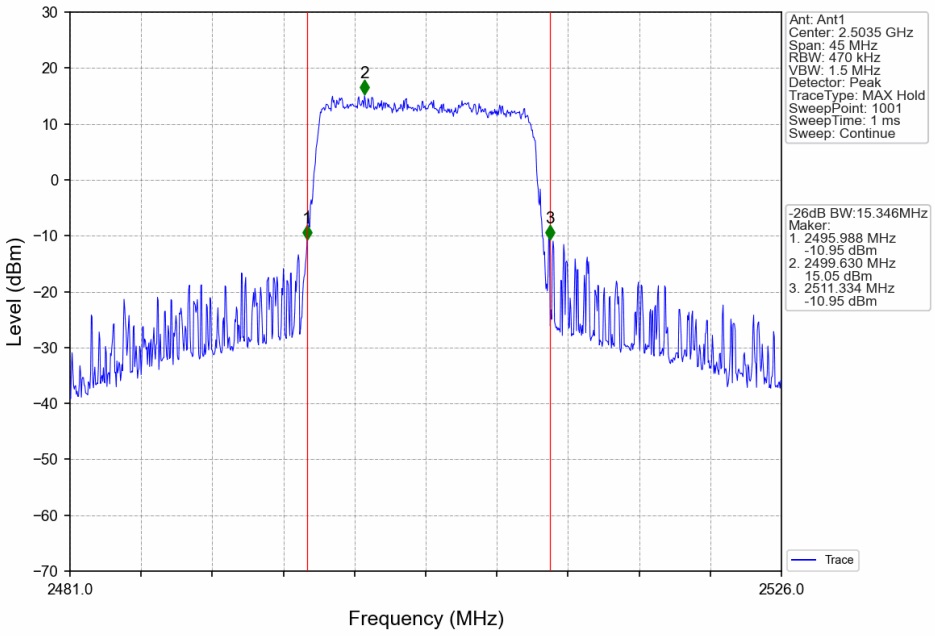
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



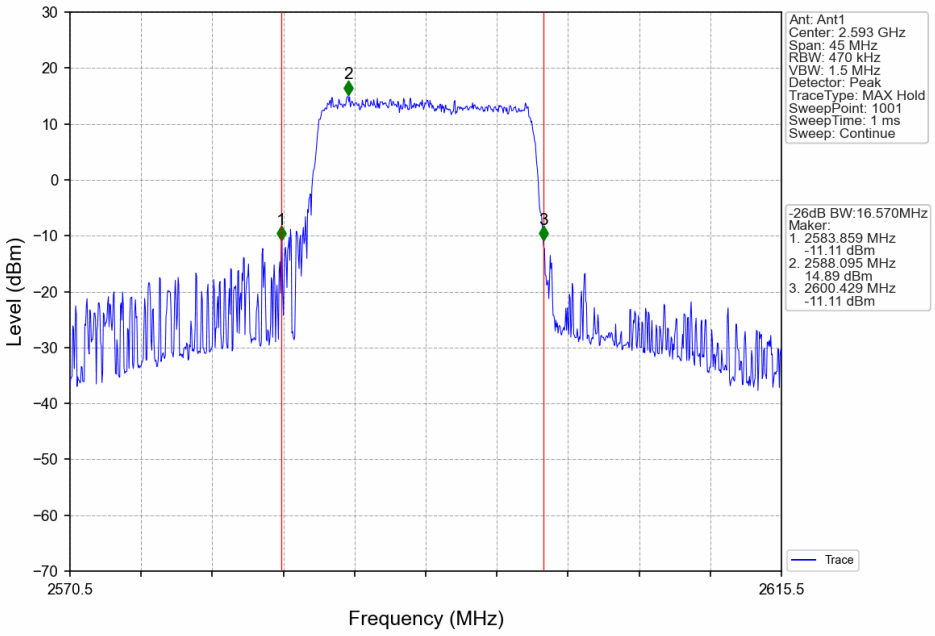
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



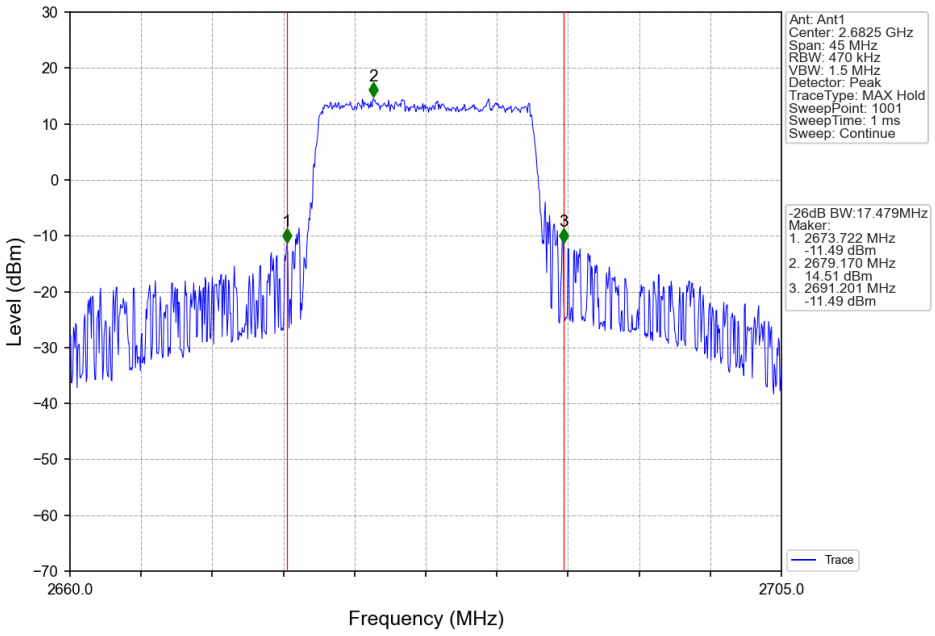
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



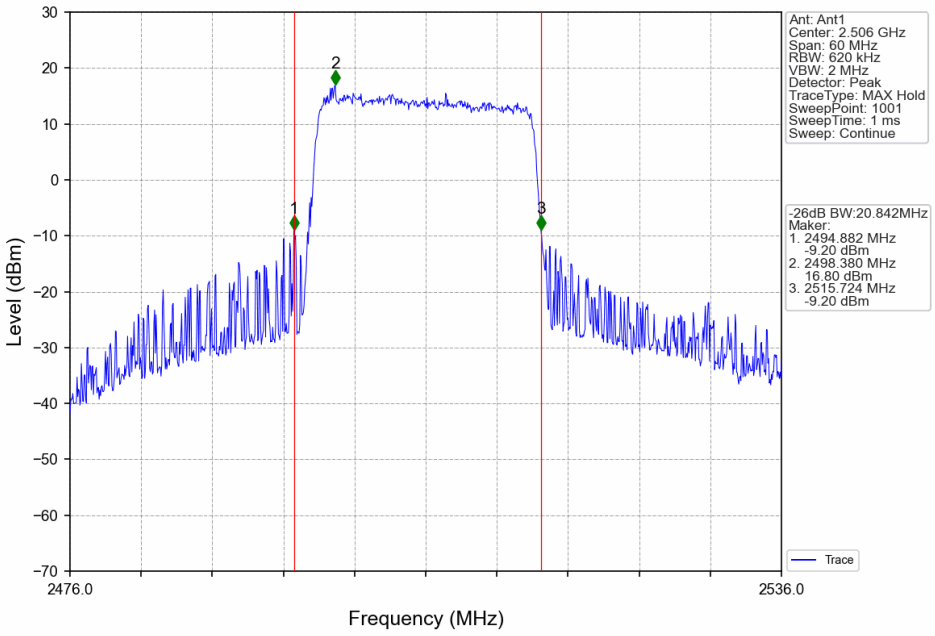
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



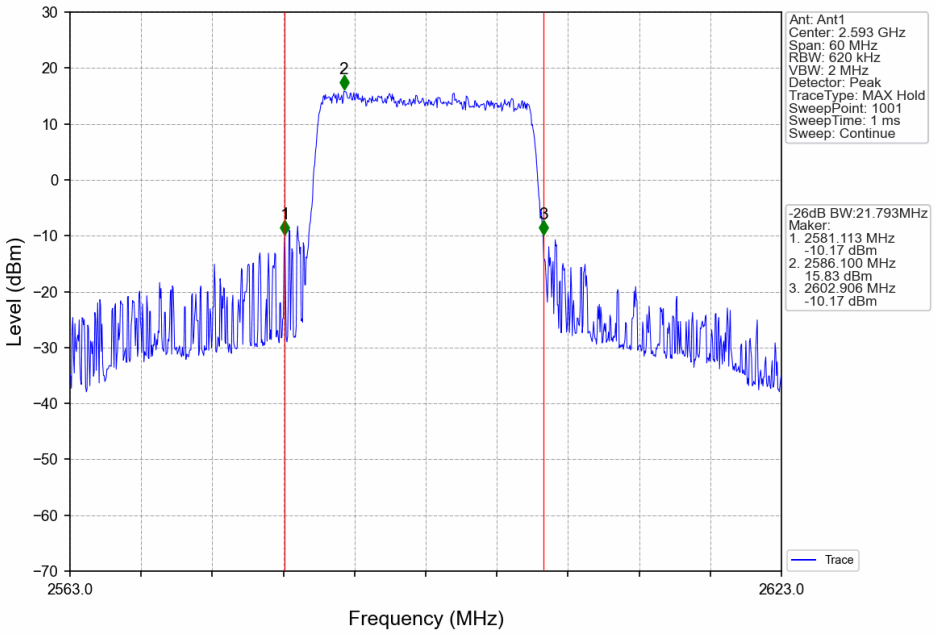
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



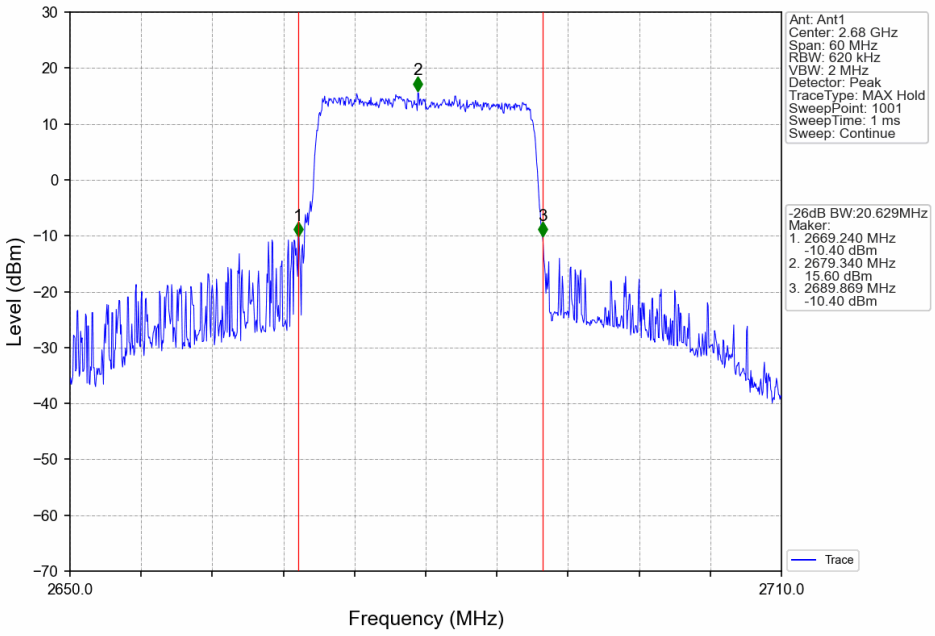
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



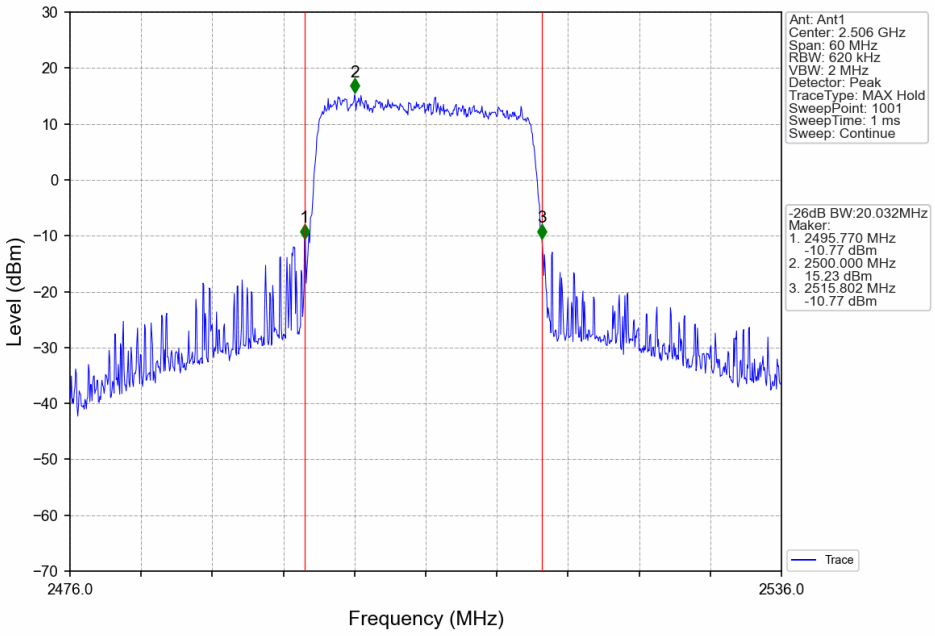
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



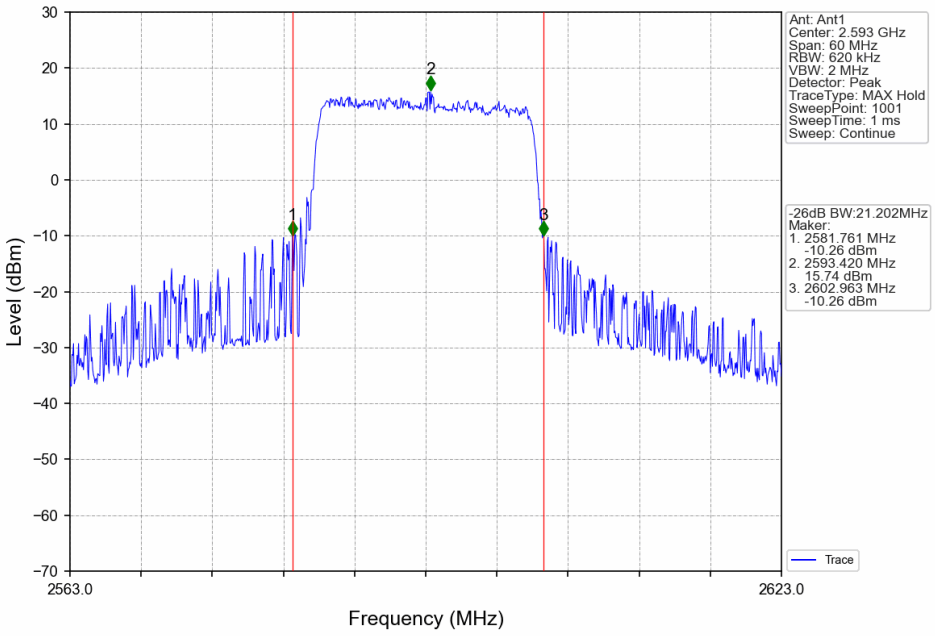
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



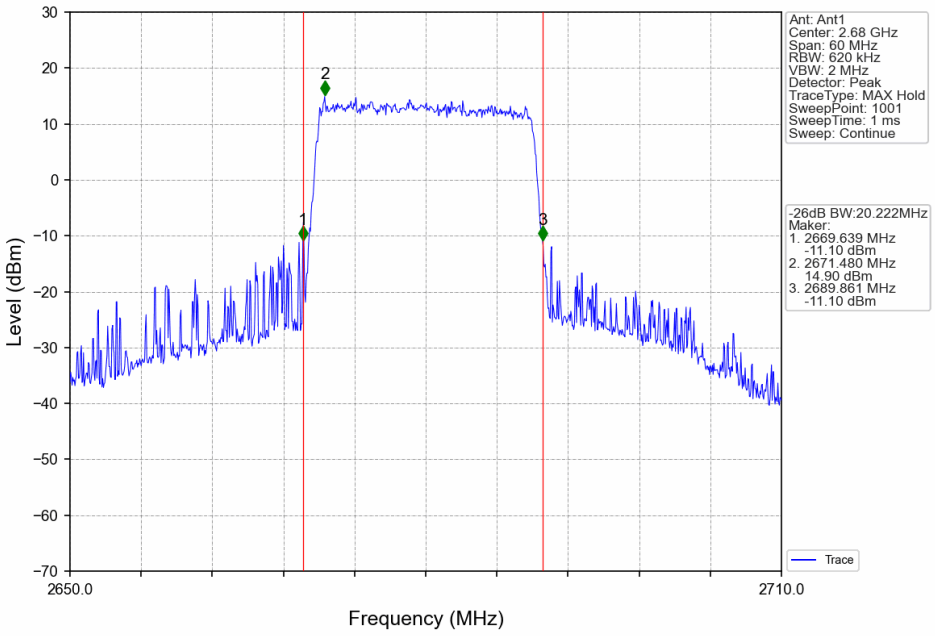
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



5. Peak-Average Ratio

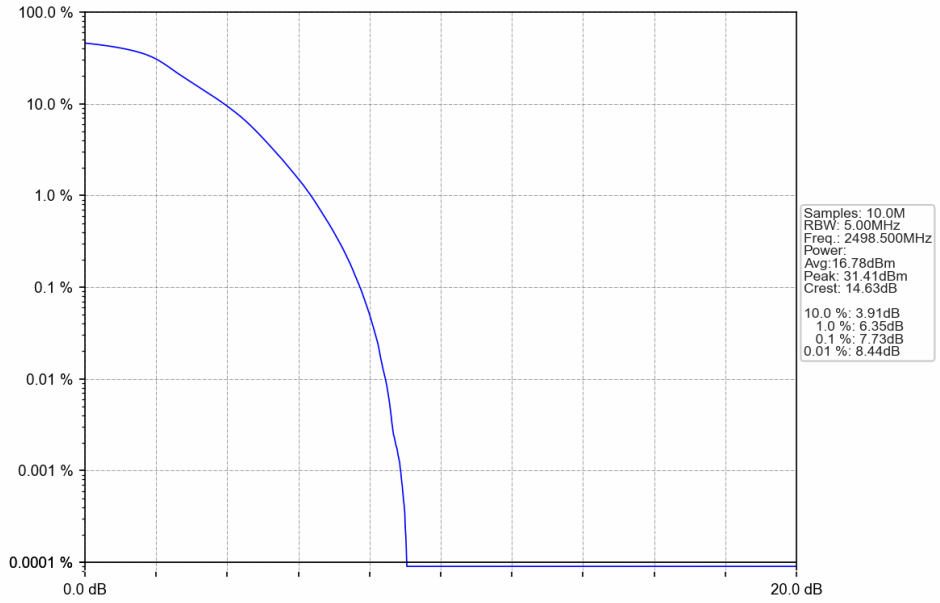
5.1 B41_5MHz

5.1.1 Test Result

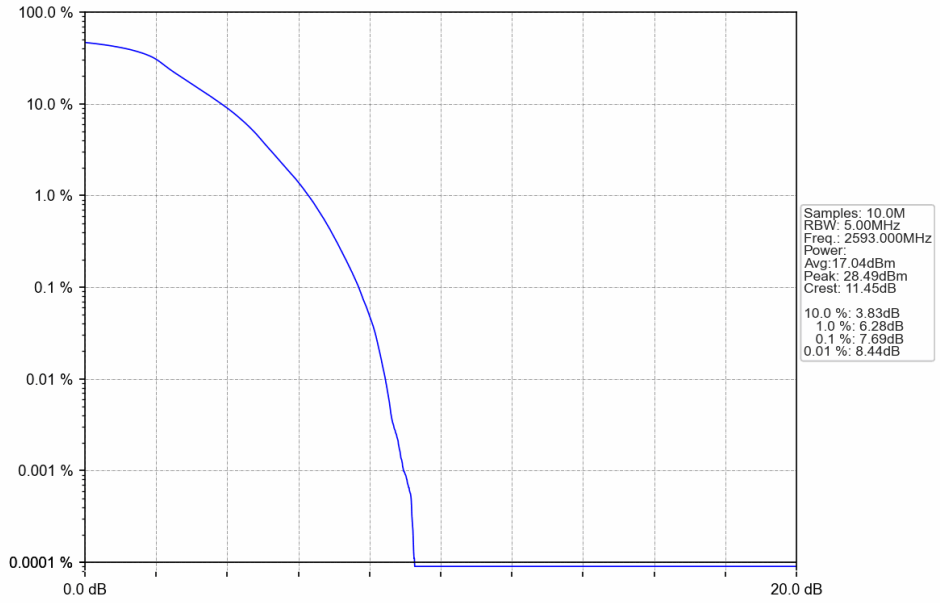
Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.73	<=13	Pass
	2593	25	0	7.69	<=13	Pass
	2687.5	25	0	7.84	<=13	Pass
16QAM	2498.5	25	0	8.46	<=13	Pass
	2593	25	0	8.41	<=13	Pass
	2687.5	25	0	8.31	<=13	Pass

5.1.2 Test Graph

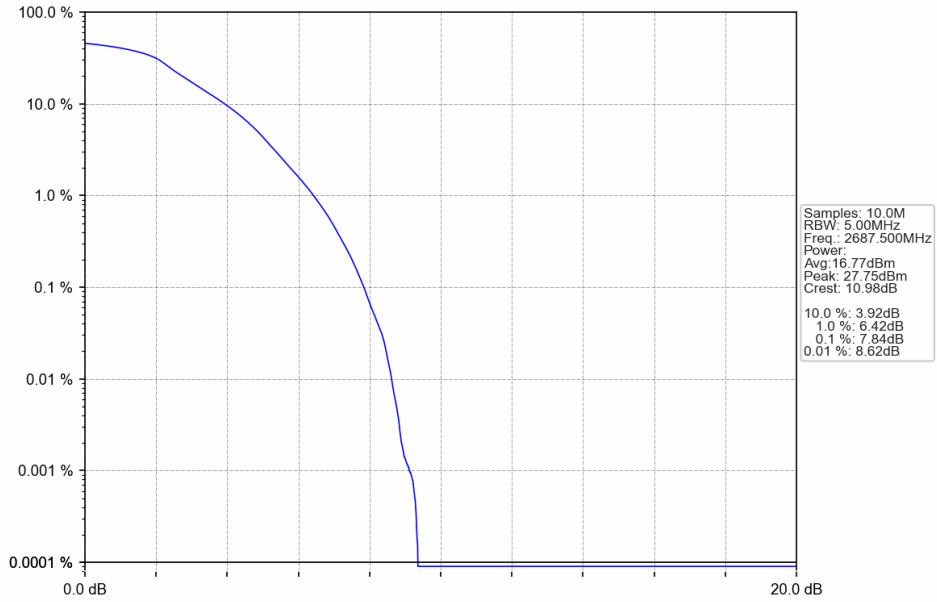
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV