

Band: 41 / Bandwidth: 10MHz / NTV

Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2560	1	0	23.87	1.40	25.27	<=33.01	Pass
			25	23.83	1.40	25.23	<=33.01	Pass
			49	23.87	1.40	25.27	<=33.01	Pass
		25	0	22.73	1.40	24.13	<=33.01	Pass
			13	22.75	1.40	24.15	<=33.01	Pass
			25	22.66	1.40	24.06	<=33.01	Pass
		50	0	22.87	1.40	24.27	<=33.01	Pass
	2605	1	0	23.64	1.40	25.04	<=33.01	Pass
			25	23.53	1.40	24.93	<=33.01	Pass
			49	23.51	1.40	24.91	<=33.01	Pass
		25	0	22.58	1.40	23.98	<=33.01	Pass
			13	22.63	1.40	24.03	<=33.01	Pass
			25	22.62	1.40	24.02	<=33.01	Pass
		50	0	22.56	1.40	23.96	<=33.01	Pass
	2650	1	0	23.56	1.40	24.96	<=33.01	Pass
			25	23.61	1.40	25.01	<=33.01	Pass
			49	23.69	1.40	25.09	<=33.01	Pass
		25	0	22.67	1.40	24.07	<=33.01	Pass
			13	22.55	1.40	23.95	<=33.01	Pass
			25	22.52	1.40	23.92	<=33.01	Pass
16QAM	2560	1	0	22.95	1.40	24.35	<=33.01	Pass
			25	22.80	1.40	24.20	<=33.01	Pass
			49	22.84	1.40	24.24	<=33.01	Pass
		25	0	21.89	1.40	23.29	<=33.01	Pass
			13	21.83	1.40	23.23	<=33.01	Pass
			25	21.73	1.40	23.13	<=33.01	Pass
		50	0	21.75	1.40	23.15	<=33.01	Pass
	2605	1	0	22.65	1.40	24.05	<=33.01	Pass
			25	22.99	1.40	24.39	<=33.01	Pass
			49	22.59	1.40	23.99	<=33.01	Pass
		25	0	21.82	1.40	23.22	<=33.01	Pass
			13	21.93	1.40	23.33	<=33.01	Pass
			25	21.84	1.40	23.24	<=33.01	Pass
		50	0	21.47	1.40	22.87	<=33.01	Pass
	2650	1	0	23.27	1.40	24.67	<=33.01	Pass
			25	23.30	1.40	24.70	<=33.01	Pass
			49	23.40	1.40	24.80	<=33.01	Pass
		25	0	21.66	1.40	23.06	<=33.01	Pass
			13	21.55	1.40	22.95	<=33.01	Pass
			25	21.45	1.40	22.85	<=33.01	Pass
		50	0	21.63	1.40	23.03	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2562.5	1	0	23.88	1.40	25.28	<=33.01	Pass
			38	23.79	1.40	25.19	<=33.01	Pass
			74	23.79	1.40	25.19	<=33.01	Pass
		36	0	22.73	1.40	24.13	<=33.01	Pass
			18	22.62	1.40	24.02	<=33.01	Pass
			39	22.78	1.40	24.18	<=33.01	Pass
		75	0	22.68	1.40	24.08	<=33.01	Pass

16QAM	2605	1	0	23.75	1.40	25.15	<=33.01	Pass
			38	23.51	1.40	24.91	<=33.01	Pass
			74	23.61	1.40	25.01	<=33.01	Pass
		36	0	22.63	1.40	24.03	<=33.01	Pass
			18	22.55	1.40	23.95	<=33.01	Pass
			39	22.64	1.40	24.04	<=33.01	Pass
		75	0	22.68	1.40	24.08	<=33.01	Pass
	2647.5	1	0	23.66	1.40	25.06	<=33.01	Pass
			38	23.52	1.40	24.92	<=33.01	Pass
			74	23.49	1.40	24.89	<=33.01	Pass
		36	0	22.65	1.40	24.05	<=33.01	Pass
			18	22.60	1.40	24.00	<=33.01	Pass
			39	22.44	1.40	23.84	<=33.01	Pass
		75	0	22.61	1.40	24.01	<=33.01	Pass
	2562.5	1	0	22.89	1.40	24.29	<=33.01	Pass
			38	22.50	1.40	23.90	<=33.01	Pass
			74	22.82	1.40	24.22	<=33.01	Pass
		36	0	21.67	1.40	23.07	<=33.01	Pass
			18	21.77	1.40	23.17	<=33.01	Pass
			39	21.76	1.40	23.16	<=33.01	Pass
		75	0	21.78	1.40	23.18	<=33.01	Pass
	2605	1	0	22.50	1.40	23.90	<=33.01	Pass
			38	22.45	1.40	23.85	<=33.01	Pass
			74	22.33	1.40	23.73	<=33.01	Pass
		36	0	21.70	1.40	23.10	<=33.01	Pass
			18	21.55	1.40	22.95	<=33.01	Pass
			39	21.70	1.40	23.10	<=33.01	Pass
		75	0	21.58	1.40	22.98	<=33.01	Pass
	2647.5	1	0	23.30	1.40	24.70	<=33.01	Pass
			38	23.41	1.40	24.81	<=33.01	Pass
			74	23.35	1.40	24.75	<=33.01	Pass
		36	0	19.68	1.40	21.08	<=33.01	Pass
			18	19.63	1.40	21.03	<=33.01	Pass
			39	19.62	1.40	21.02	<=33.01	Pass
		75	0	19.69	1.40	21.09	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2565	1	0	21.65	1.40	23.05	<=33.01	Pass
			50	21.69	1.40	23.09	<=33.01	Pass
			99	21.69	1.40	23.09	<=33.01	Pass
		50	0	20.74	1.40	22.14	<=33.01	Pass
			25	20.64	1.40	22.04	<=33.01	Pass
			50	20.73	1.40	22.13	<=33.01	Pass
		100	0	20.77	1.40	22.17	<=33.01	Pass
	2605	1	0	21.57	1.40	22.97	<=33.01	Pass
			50	21.71	1.40	23.11	<=33.01	Pass
			99	21.61	1.40	23.01	<=33.01	Pass
		50	0	20.53	1.40	21.93	<=33.01	Pass
			25	20.55	1.40	21.95	<=33.01	Pass
			50	20.49	1.40	21.89	<=33.01	Pass
		100	0	20.50	1.40	21.90	<=33.01	Pass
	2645	1	0	21.41	1.40	22.81	<=33.01	Pass
			50	21.46	1.40	22.86	<=33.01	Pass

16QAM	2565	50	99	21.40	1.40	22.80	<=33.01	Pass
			0	20.46	1.40	21.86	<=33.01	Pass
			25	20.58	1.40	21.98	<=33.01	Pass
			50	20.36	1.40	21.76	<=33.01	Pass
		100	0	20.49	1.40	21.89	<=33.01	Pass
			0	21.36	1.40	22.76	<=33.01	Pass
			50	21.31	1.40	22.71	<=33.01	Pass
			99	21.74	1.40	23.14	<=33.01	Pass
		50	0	20.77	1.40	22.17	<=33.01	Pass
			25	19.71	1.40	21.11	<=33.01	Pass
			50	19.80	1.40	21.20	<=33.01	Pass
			0	19.88	1.40	21.28	<=33.01	Pass
	2605	1	0	21.48	1.40	22.88	<=33.01	Pass
			50	21.34	1.40	22.74	<=33.01	Pass
			99	21.28	1.40	22.68	<=33.01	Pass
			0	20.09	1.40	21.49	<=33.01	Pass
		50	25	19.49	1.40	20.89	<=33.01	Pass
			50	19.58	1.40	20.98	<=33.01	Pass
			0	19.59	1.40	20.99	<=33.01	Pass
		100	0	20.21	1.40	21.61	<=33.01	Pass
			50	20.46	1.40	21.86	<=33.01	Pass
			99	20.18	1.40	21.58	<=33.01	Pass
			0	19.82	1.40	21.22	<=33.01	Pass
	2645	50	25	19.59	1.40	20.99	<=33.01	Pass
			50	19.67	1.40	21.07	<=33.01	Pass
			0	19.74	1.40	21.14	<=33.01	Pass
		100	0	19.74	1.40	21.14	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

2. Frequency Stability

2.1 Test Result

2.1.1 B41_5MHz

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	2557.5	25	0	20	3.15	36.149	0.0141	-2.5 to 2.5	Pass
					3.70	-12.932	-0.0051	-2.5 to 2.5	Pass
					4.26	-37.937	-0.0148	-2.5 to 2.5	Pass
				-30	3.70	-45.590	-0.0178	-2.5 to 2.5	Pass
					3.70	-40.412	-0.0158	-2.5 to 2.5	Pass
					3.70	-28.782	-0.0113	-2.5 to 2.5	Pass
				0	3.70	-19.541	-0.0076	-2.5 to 2.5	Pass
					3.70	-1.302	-0.0005	-2.5 to 2.5	Pass
					3.70	-2.704	-0.0011	-2.5 to 2.5	Pass
				40	3.70	8.082	0.0032	-2.5 to 2.5	Pass
					3.70	20.413	0.0080	-2.5 to 2.5	Pass
					3.70	-5.507	-0.0021	-2.5 to 2.5	Pass
	2605	25	0	20	3.15	-5.507	-0.0021	-2.5 to 2.5	Pass
					3.70	-28.954	-0.0111	-2.5 to 2.5	Pass
					4.26	-12.717	-0.0049	-2.5 to 2.5	Pass
				-30	3.70	-27.609	-0.0106	-2.5 to 2.5	Pass
					3.70	-42.143	-0.0162	-2.5 to 2.5	Pass
					3.70	-12.946	-0.0050	-2.5 to 2.5	Pass
				0	3.70	-34.833	-0.0134	-2.5 to 2.5	Pass
					3.70	-50.240	-0.0193	-2.5 to 2.5	Pass
					3.70	-50.240	-0.0193	-2.5 to 2.5	Pass

	2652.5	25	0	30	3.70	-3.090	-0.0012	-2.5 to 2.5	Pass
				40	3.70	-36.550	-0.0140	-2.5 to 2.5	Pass
				50	3.70	-19.398	-0.0074	-2.5 to 2.5	Pass
				20	3.15	6.008	0.0023	-2.5 to 2.5	Pass
					3.70	-43.888	-0.0165	-2.5 to 2.5	Pass
					4.26	6.151	0.0023	-2.5 to 2.5	Pass
				-30	3.70	-12.002	-0.0045	-2.5 to 2.5	Pass
				-20	3.70	-25.392	-0.0096	-2.5 to 2.5	Pass
				-10	3.70	-41.370	-0.0156	-2.5 to 2.5	Pass
				0	3.70	-41.013	-0.0155	-2.5 to 2.5	Pass
				10	3.70	-54.002	-0.0204	-2.5 to 2.5	Pass
				30	3.70	-7.210	-0.0027	-2.5 to 2.5	Pass
				40	3.70	1.588	0.0006	-2.5 to 2.5	Pass
				50	3.70	-2.618	-0.0010	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.15	23.947	0.0094	-2.5 to 2.5	Pass
					3.70	24.276	0.0095	-2.5 to 2.5	Pass
					4.26	-4.120	-0.0016	-2.5 to 2.5	Pass
				-30	3.70	-9.370	-0.0037	-2.5 to 2.5	Pass
				-20	3.70	13.676	0.0053	-2.5 to 2.5	Pass
				-10	3.70	30.885	0.0121	-2.5 to 2.5	Pass
				0	3.70	12.674	0.0050	-2.5 to 2.5	Pass
				10	3.70	-3.777	-0.0015	-2.5 to 2.5	Pass
				30	3.70	17.595	0.0069	-2.5 to 2.5	Pass
				40	3.70	32.029	0.0125	-2.5 to 2.5	Pass
				50	3.70	-8.841	-0.0035	-2.5 to 2.5	Pass
	2605	25	0	20	3.15	19.927	0.0076	-2.5 to 2.5	Pass
					3.70	22.030	0.0085	-2.5 to 2.5	Pass
					4.26	31.915	0.0123	-2.5 to 2.5	Pass
				-30	3.70	38.795	0.0149	-2.5 to 2.5	Pass
				-20	3.70	4.706	0.0018	-2.5 to 2.5	Pass
				-10	3.70	9.084	0.0035	-2.5 to 2.5	Pass
				0	3.70	23.274	0.0089	-2.5 to 2.5	Pass
				10	3.70	-10.300	-0.0040	-2.5 to 2.5	Pass
				30	3.70	2.360	0.0009	-2.5 to 2.5	Pass
				40	3.70	4.020	0.0015	-2.5 to 2.5	Pass
				50	3.70	15.836	0.0061	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.15	10.042	0.0038	-2.5 to 2.5	Pass
					3.70	36.478	0.0138	-2.5 to 2.5	Pass
					4.26	-4.063	-0.0015	-2.5 to 2.5	Pass
				-30	3.70	24.290	0.0092	-2.5 to 2.5	Pass
				-20	3.70	37.780	0.0142	-2.5 to 2.5	Pass
				-10	3.70	38.538	0.0145	-2.5 to 2.5	Pass
				0	3.70	-11.845	-0.0045	-2.5 to 2.5	Pass
				10	3.70	14.033	0.0053	-2.5 to 2.5	Pass
				30	3.70	23.589	0.0089	-2.5 to 2.5	Pass
				40	3.70	34.847	0.0131	-2.5 to 2.5	Pass
				50	3.70	42.801	0.0161	-2.5 to 2.5	Pass

2.1.2 B41_10MHz

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	2560	50	0	20	3.15	-3.676	-0.0014	-2.5 to 2.5	Pass
					3.70	-17.910	-0.0070	-2.5 to 2.5	Pass
					4.26	-33.860	-0.0132	-2.5 to 2.5	Pass
				-30	3.70	-5.894	-0.0023	-2.5 to 2.5	Pass
				-20	3.70	-19.698	-0.0077	-2.5 to 2.5	Pass

				-10	3.70	-39.654	-0.0155	-2.5 to 2.5	Pass
				0	3.70	-38.638	-0.0151	-2.5 to 2.5	Pass
				10	3.70	-26.078	-0.0102	-2.5 to 2.5	Pass
				30	3.70	-28.896	-0.0113	-2.5 to 2.5	Pass
				40	3.70	-50.354	-0.0197	-2.5 to 2.5	Pass
				50	3.70	13.232	0.0052	-2.5 to 2.5	Pass
	2605	50	0	20	3.15	-23.217	-0.0089	-2.5 to 2.5	Pass
					3.70	-40.569	-0.0156	-2.5 to 2.5	Pass
					4.26	-49.582	-0.0190	-2.5 to 2.5	Pass
				-30	3.70	2.546	0.0010	-2.5 to 2.5	Pass
				-20	3.70	-41.614	-0.0160	-2.5 to 2.5	Pass
				-10	3.70	-43.716	-0.0168	-2.5 to 2.5	Pass
				0	3.70	-10.028	-0.0038	-2.5 to 2.5	Pass
				10	3.70	-25.878	-0.0099	-2.5 to 2.5	Pass
				30	3.70	0.701	0.0003	-2.5 to 2.5	Pass
				40	3.70	-3.390	-0.0013	-2.5 to 2.5	Pass
				50	3.70	-18.067	-0.0069	-2.5 to 2.5	Pass
				20	3.15	9.098	0.0034	-2.5 to 2.5	Pass
					3.70	-43.588	-0.0164	-2.5 to 2.5	Pass
					4.26	-35.849	-0.0135	-2.5 to 2.5	Pass
	2650	50	0	-30	3.70	1.717	0.0006	-2.5 to 2.5	Pass
				-20	3.70	1.230	0.0005	-2.5 to 2.5	Pass
				-10	3.70	-16.294	-0.0061	-2.5 to 2.5	Pass
				0	3.70	-6.194	-0.0023	-2.5 to 2.5	Pass
				10	3.70	-18.096	-0.0068	-2.5 to 2.5	Pass
				30	3.70	-36.006	-0.0136	-2.5 to 2.5	Pass
				40	3.70	-48.037	-0.0181	-2.5 to 2.5	Pass
				50	3.70	-38.595	-0.0146	-2.5 to 2.5	Pass
16QAM	2560	50	0	20	3.15	33.460	0.0131	-2.5 to 2.5	Pass
					3.70	16.408	0.0064	-2.5 to 2.5	Pass
					4.26	14.806	0.0058	-2.5 to 2.5	Pass
				-30	3.70	35.777	0.0140	-2.5 to 2.5	Pass
				-20	3.70	31.800	0.0124	-2.5 to 2.5	Pass
				-10	3.70	-13.447	-0.0053	-2.5 to 2.5	Pass
				0	3.70	1.588	0.0006	-2.5 to 2.5	Pass
				10	3.70	6.652	0.0026	-2.5 to 2.5	Pass
				30	3.70	14.305	0.0056	-2.5 to 2.5	Pass
				40	3.70	22.502	0.0088	-2.5 to 2.5	Pass
				50	3.70	33.259	0.0130	-2.5 to 2.5	Pass
	2605	50	0	20	3.15	-3.548	-0.0014	-2.5 to 2.5	Pass
					3.70	12.059	0.0046	-2.5 to 2.5	Pass
					4.26	4.549	0.0017	-2.5 to 2.5	Pass
				-30	3.70	22.058	0.0085	-2.5 to 2.5	Pass
				-20	3.70	40.126	0.0154	-2.5 to 2.5	Pass
				-10	3.70	-1.516	-0.0006	-2.5 to 2.5	Pass
				0	3.70	20.213	0.0078	-2.5 to 2.5	Pass
				10	3.70	20.728	0.0080	-2.5 to 2.5	Pass
				30	3.70	32.229	0.0124	-2.5 to 2.5	Pass
				40	3.70	-17.796	-0.0068	-2.5 to 2.5	Pass
				50	3.70	-15.121	-0.0058	-2.5 to 2.5	Pass
	2650	50	0	20	3.15	-15.564	-0.0059	-2.5 to 2.5	Pass
					3.70	13.332	0.0050	-2.5 to 2.5	Pass
					4.26	31.700	0.0120	-2.5 to 2.5	Pass
				-30	3.70	22.888	0.0086	-2.5 to 2.5	Pass
				-20	3.70	-0.658	-0.0002	-2.5 to 2.5	Pass
				-10	3.70	11.201	0.0042	-2.5 to 2.5	Pass
				0	3.70	23.389	0.0088	-2.5 to 2.5	Pass
				10	3.70	2.804	0.0011	-2.5 to 2.5	Pass
				30	3.70	31.400	0.0118	-2.5 to 2.5	Pass

				40	3.70	34.418	0.0130	-2.5 to 2.5	Pass
				50	3.70	-11.730	-0.0044	-2.5 to 2.5	Pass

2.1.3 B41_15MHz

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	2562.5	75	0	20	3.15	-34.547	-0.0135	-2.5 to 2.5	Pass
					3.70	-39.968	-0.0156	-2.5 to 2.5	Pass
					4.26	-6.795	-0.0027	-2.5 to 2.5	Pass
				-30	3.70	-46.806	-0.0183	-2.5 to 2.5	Pass
				-20	3.70	-25.864	-0.0101	-2.5 to 2.5	Pass
				-10	3.70	-14.949	-0.0058	-2.5 to 2.5	Pass
				0	3.70	-29.712	-0.0116	-2.5 to 2.5	Pass
				10	3.70	-27.580	-0.0108	-2.5 to 2.5	Pass
				30	3.70	-53.873	-0.0210	-2.5 to 2.5	Pass
				40	3.70	-54.445	-0.0212	-2.5 to 2.5	Pass
				50	3.70	5.751	0.0022	-2.5 to 2.5	Pass
	2605	75	0	20	3.15	-27.823	-0.0107	-2.5 to 2.5	Pass
					3.70	-29.426	-0.0113	-2.5 to 2.5	Pass
					4.26	-7.739	-0.0030	-2.5 to 2.5	Pass
				-30	3.70	-14.634	-0.0056	-2.5 to 2.5	Pass
				-20	3.70	-36.178	-0.0139	-2.5 to 2.5	Pass
				-10	3.70	-19.441	-0.0075	-2.5 to 2.5	Pass
				0	3.70	-40.898	-0.0157	-2.5 to 2.5	Pass
				10	3.70	-24.991	-0.0096	-2.5 to 2.5	Pass
				30	3.70	-52.414	-0.0201	-2.5 to 2.5	Pass
				40	3.70	-14.949	-0.0057	-2.5 to 2.5	Pass
				50	3.70	-18.582	-0.0071	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.15	-12.259	-0.0046	-2.5 to 2.5	Pass
					3.70	-40.154	-0.0152	-2.5 to 2.5	Pass
					4.26	-1.173	-0.0004	-2.5 to 2.5	Pass
				-30	3.70	-28.024	-0.0106	-2.5 to 2.5	Pass
				-20	3.70	-40.941	-0.0155	-2.5 to 2.5	Pass
				-10	3.70	-46.506	-0.0176	-2.5 to 2.5	Pass
				0	3.70	-49.982	-0.0189	-2.5 to 2.5	Pass
				10	3.70	-8.512	-0.0032	-2.5 to 2.5	Pass
				30	3.70	-2.446	-0.0009	-2.5 to 2.5	Pass
				40	3.70	-0.186	-0.0001	-2.5 to 2.5	Pass
				50	3.70	-5.708	-0.0022	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.15	25.392	0.0099	-2.5 to 2.5	Pass
					3.70	39.711	0.0155	-2.5 to 2.5	Pass
					4.26	36.078	0.0141	-2.5 to 2.5	Pass
				-30	3.70	13.175	0.0051	-2.5 to 2.5	Pass
				-20	3.70	-2.446	-0.0010	-2.5 to 2.5	Pass
				-10	3.70	14.405	0.0056	-2.5 to 2.5	Pass
				0	3.70	33.374	0.0130	-2.5 to 2.5	Pass
				10	3.70	8.025	0.0031	-2.5 to 2.5	Pass
				30	3.70	21.830	0.0085	-2.5 to 2.5	Pass
				40	3.70	14.219	0.0055	-2.5 to 2.5	Pass
				50	3.70	18.082	0.0071	-2.5 to 2.5	Pass
	2605	75	0	20	3.15	15.063	0.0058	-2.5 to 2.5	Pass
					3.70	3.090	0.0012	-2.5 to 2.5	Pass
					4.26	8.154	0.0031	-2.5 to 2.5	Pass
				-30	3.70	5.336	0.0020	-2.5 to 2.5	Pass
				-20	3.70	21.243	0.0082	-2.5 to 2.5	Pass
				-10	3.70	20.041	0.0077	-2.5 to 2.5	Pass

				0	3.70	32.845	0.0126	-2.5 to 2.5	Pass
				10	3.70	29.511	0.0113	-2.5 to 2.5	Pass
				30	3.70	15.063	0.0058	-2.5 to 2.5	Pass
				40	3.70	17.052	0.0065	-2.5 to 2.5	Pass
				50	3.70	23.475	0.0090	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.15	4.649	0.0018	-2.5 to 2.5	Pass
					3.70	30.127	0.0114	-2.5 to 2.5	Pass
					4.26	0.429	0.0002	-2.5 to 2.5	Pass
				-30	3.70	44.289	0.0167	-2.5 to 2.5	Pass
				-20	3.70	38.924	0.0147	-2.5 to 2.5	Pass
				-10	3.70	20.070	0.0076	-2.5 to 2.5	Pass
				0	3.70	32.544	0.0123	-2.5 to 2.5	Pass
				10	3.70	46.678	0.0176	-2.5 to 2.5	Pass
				30	3.70	-28.138	-0.0106	-2.5 to 2.5	Pass
				40	3.70	-4.678	-0.0018	-2.5 to 2.5	Pass
				50	3.70	20.971	0.0079	-2.5 to 2.5	Pass

2.1.4 B41_20MHz

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	2565	100	0	20	3.15	-53.430	-0.0208	-2.5 to 2.5	Pass
					3.70	-24.633	-0.0096	-2.5 to 2.5	Pass
					4.26	-37.494	-0.0146	-2.5 to 2.5	Pass
				-30	3.70	-26.793	-0.0104	-2.5 to 2.5	Pass
				-20	3.70	-38.381	-0.0150	-2.5 to 2.5	Pass
				-10	3.70	7.324	0.0029	-2.5 to 2.5	Pass
				0	3.70	-3.834	-0.0015	-2.5 to 2.5	Pass
				10	3.70	-13.204	-0.0051	-2.5 to 2.5	Pass
				30	3.70	-21.000	-0.0082	-2.5 to 2.5	Pass
				40	3.70	-19.727	-0.0077	-2.5 to 2.5	Pass
	2605	100	0	20	3.15	-41.928	-0.0161	-2.5 to 2.5	Pass
					3.70	-34.361	-0.0132	-2.5 to 2.5	Pass
					4.26	-34.018	-0.0131	-2.5 to 2.5	Pass
				-30	3.70	-47.894	-0.0184	-2.5 to 2.5	Pass
				-20	3.70	-27.652	-0.0106	-2.5 to 2.5	Pass
				-10	3.70	-31.285	-0.0120	-2.5 to 2.5	Pass
				0	3.70	-12.918	-0.0050	-2.5 to 2.5	Pass
				10	3.70	-44.031	-0.0169	-2.5 to 2.5	Pass
				30	3.70	-26.393	-0.0101	-2.5 to 2.5	Pass
				40	3.70	-34.504	-0.0132	-2.5 to 2.5	Pass
	2645	100	0	20	3.15	-23.046	-0.0087	-2.5 to 2.5	Pass
					3.70	-2.689	-0.0010	-2.5 to 2.5	Pass
					4.26	-21.243	-0.0080	-2.5 to 2.5	Pass
				-30	3.70	-30.670	-0.0116	-2.5 to 2.5	Pass
				-20	3.70	-34.733	-0.0131	-2.5 to 2.5	Pass
				-10	3.70	-30.985	-0.0117	-2.5 to 2.5	Pass
				0	3.70	-25.277	-0.0096	-2.5 to 2.5	Pass
				10	3.70	-21.272	-0.0080	-2.5 to 2.5	Pass
				30	3.70	-11.086	-0.0042	-2.5 to 2.5	Pass
				40	3.70	-10.314	-0.0039	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.15	25.477	0.0099	-2.5 to 2.5	Pass
					3.70	-7.625	-0.0030	-2.5 to 2.5	Pass
					4.26	30.856	0.0120	-2.5 to 2.5	Pass

				-30	3.70	15.392	0.0060	-2.5 to 2.5	Pass
				-20	3.70	36.407	0.0142	-2.5 to 2.5	Pass
				-10	3.70	7.210	0.0028	-2.5 to 2.5	Pass
				0	3.70	36.550	0.0142	-2.5 to 2.5	Pass
				10	3.70	24.719	0.0096	-2.5 to 2.5	Pass
				30	3.70	32.659	0.0127	-2.5 to 2.5	Pass
				40	3.70	-8.712	-0.0034	-2.5 to 2.5	Pass
				50	3.70	-9.184	-0.0036	-2.5 to 2.5	Pass
	2605	100	0	20	3.15	23.475	0.0090	-2.5 to 2.5	Pass
					3.70	19.226	0.0074	-2.5 to 2.5	Pass
					4.26	36.993	0.0142	-2.5 to 2.5	Pass
				-30	3.70	1.945	0.0007	-2.5 to 2.5	Pass
				-20	3.70	28.124	0.0108	-2.5 to 2.5	Pass
				-10	3.70	10.829	0.0042	-2.5 to 2.5	Pass
				0	3.70	21.458	0.0082	-2.5 to 2.5	Pass
				10	3.70	15.392	0.0059	-2.5 to 2.5	Pass
				30	3.70	6.022	0.0023	-2.5 to 2.5	Pass
				40	3.70	0.644	0.0002	-2.5 to 2.5	Pass
				50	3.70	6.452	0.0025	-2.5 to 2.5	Pass
	2645	100	0	20	3.15	14.577	0.0055	-2.5 to 2.5	Pass
					3.70	16.394	0.0062	-2.5 to 2.5	Pass
					4.26	36.879	0.0139	-2.5 to 2.5	Pass
				-30	3.70	-7.882	-0.0030	-2.5 to 2.5	Pass
				-20	3.70	19.841	0.0075	-2.5 to 2.5	Pass
				-10	3.70	30.169	0.0114	-2.5 to 2.5	Pass
				0	3.70	32.487	0.0123	-2.5 to 2.5	Pass
				10	3.70	-0.072	0.0000	-2.5 to 2.5	Pass
				30	3.70	7.997	0.0030	-2.5 to 2.5	Pass
				40	3.70	30.713	0.0116	-2.5 to 2.5	Pass
				50	3.70	32.759	0.0124	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	25	0	Refer To Test Graph		Pass
16QAM	2605	25	0	Refer To Test Graph		Pass

3.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	50	0	Refer To Test Graph		Pass
16QAM	2605	50	0	Refer To Test Graph		Pass

3.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTNV					
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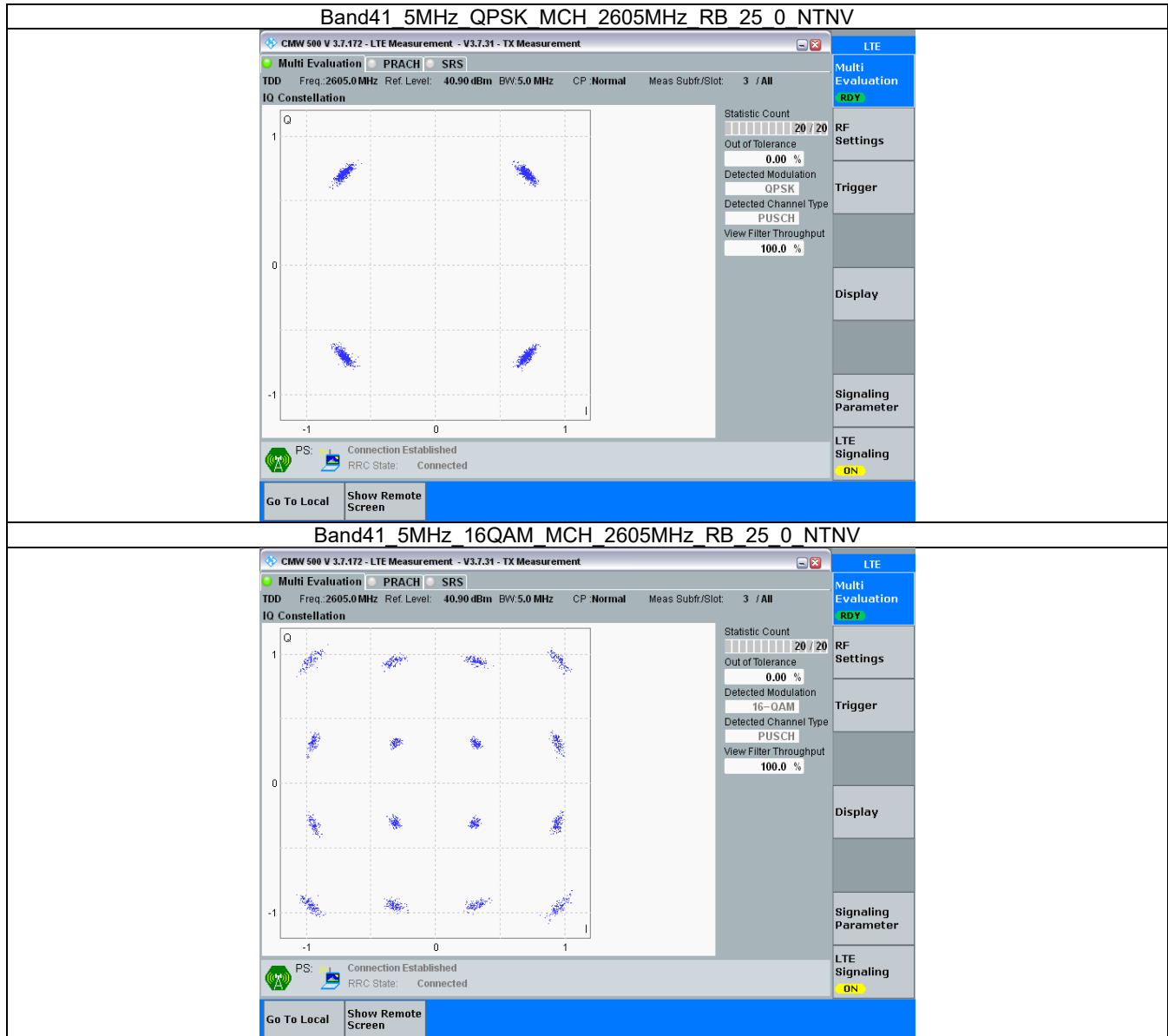
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

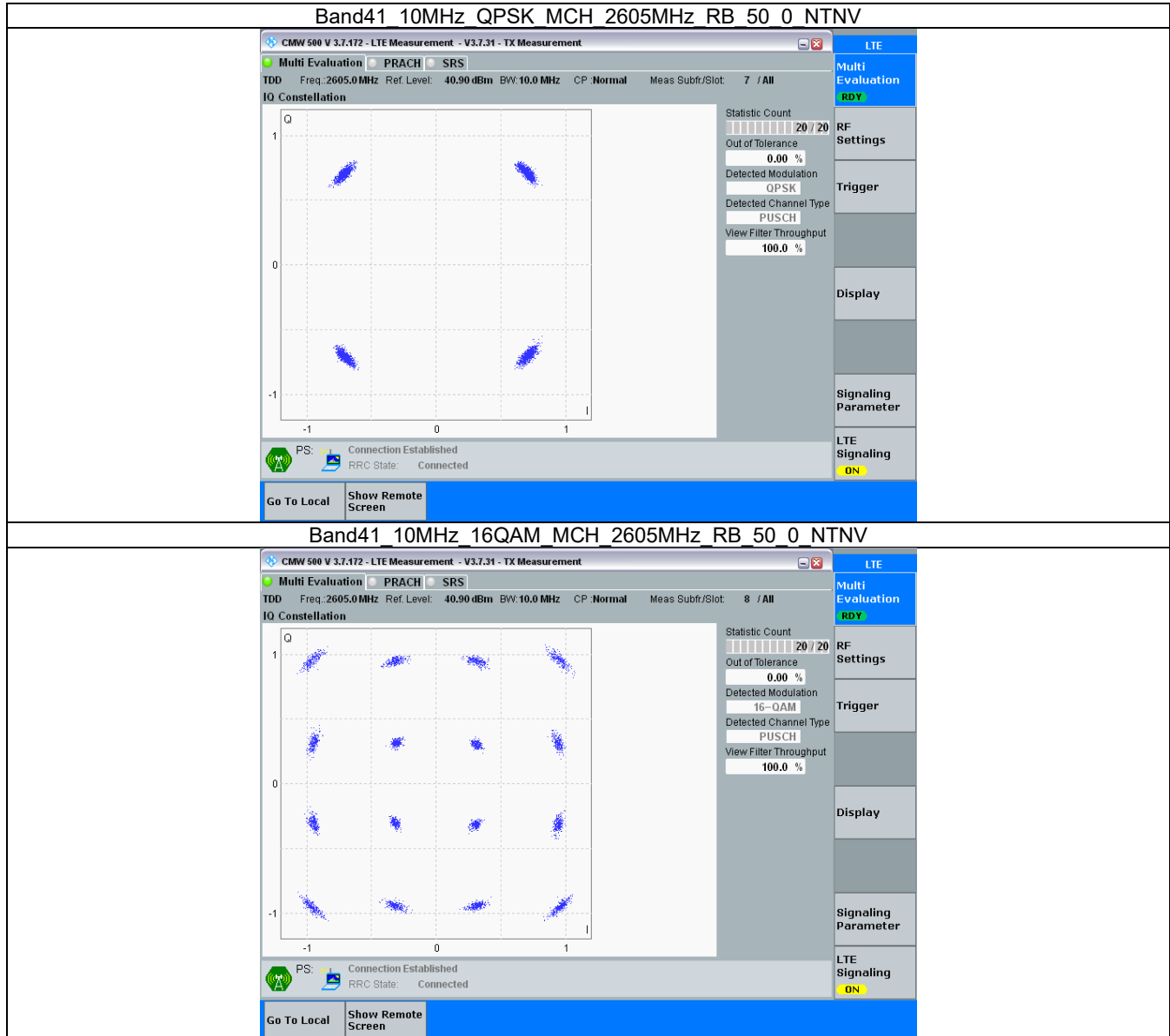
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

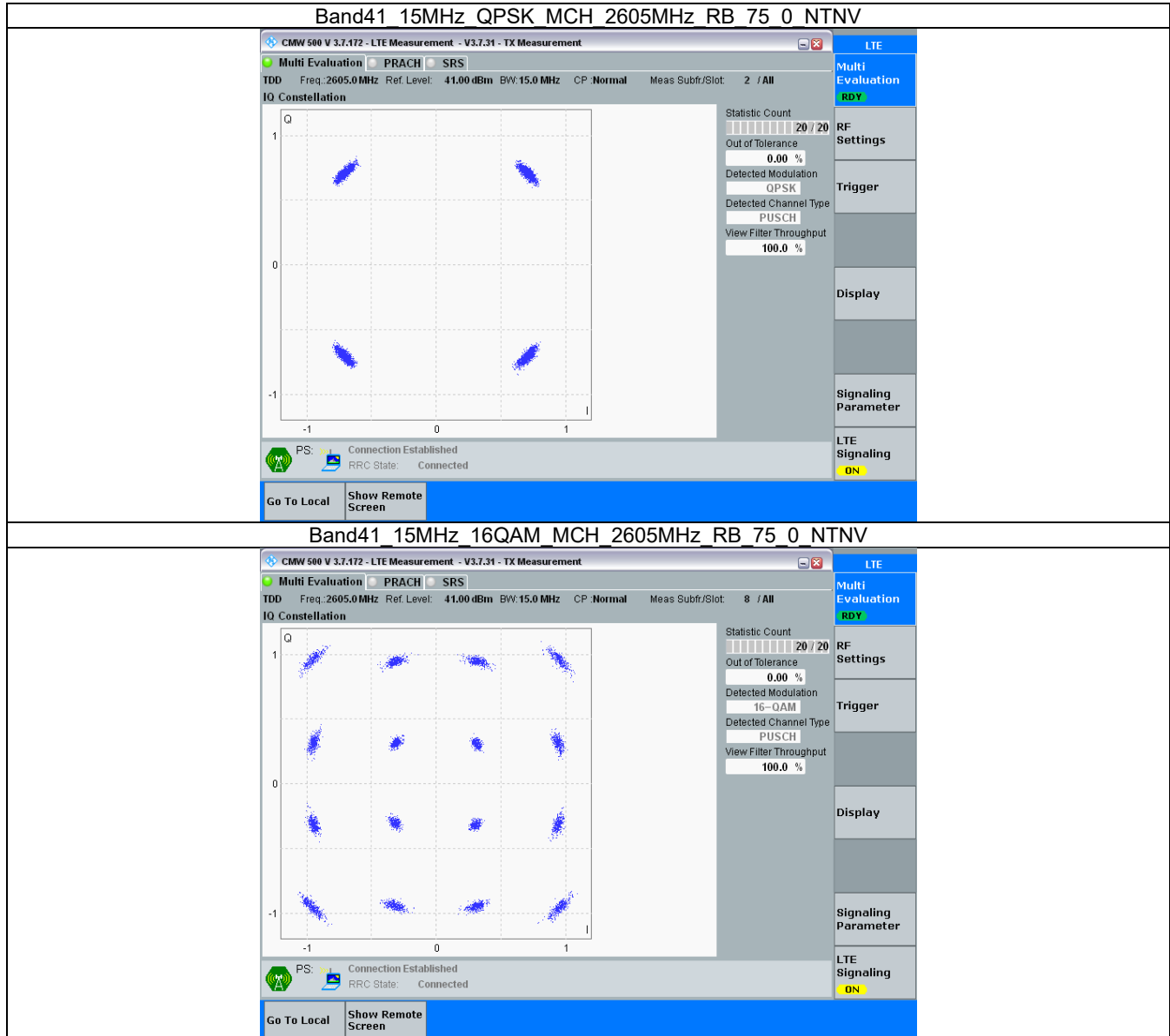
3.2.1 B41_5MHz



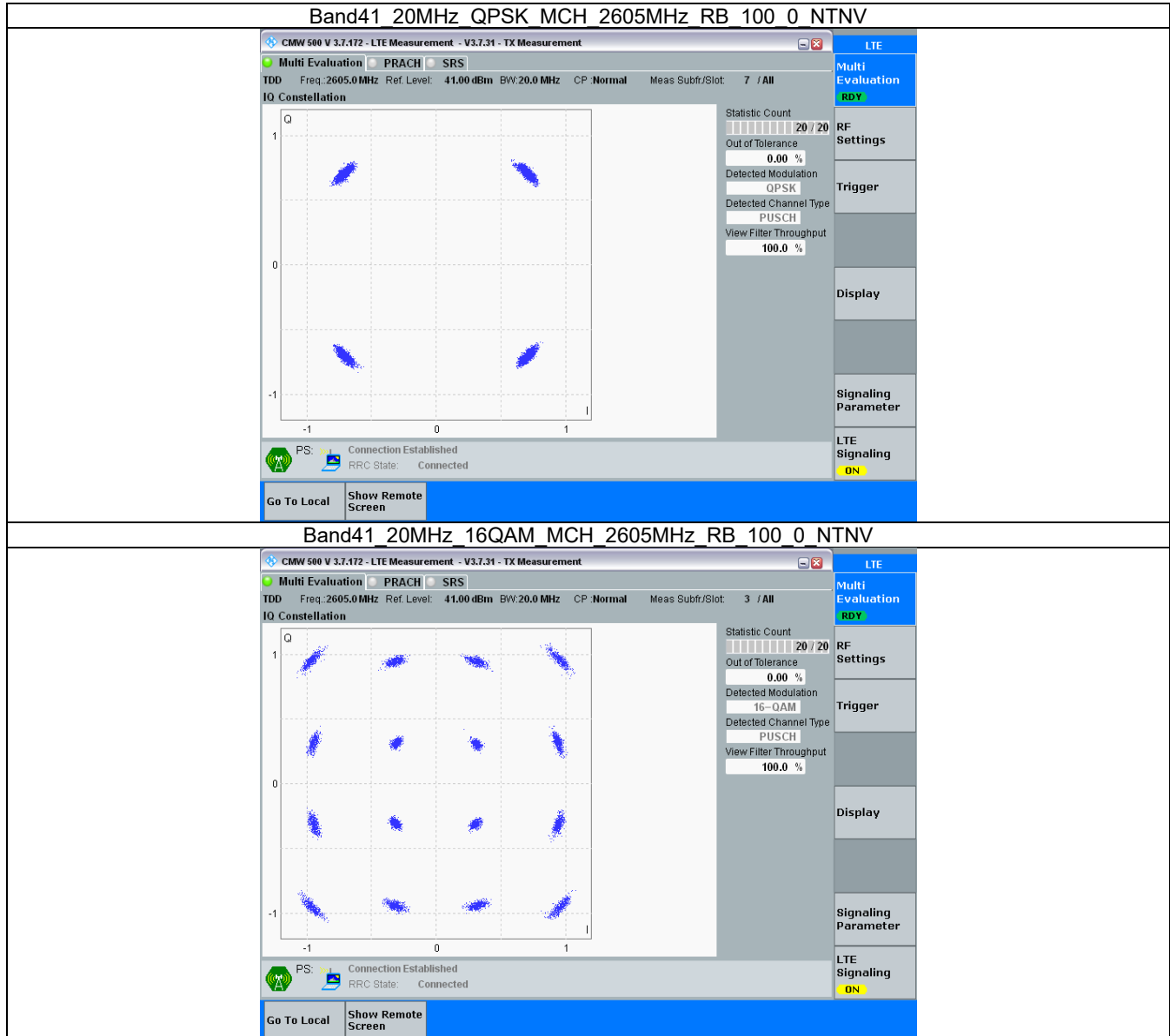
3.2.2 B41_10MHz



3.2.3 B41_15MHz



3.2.4 B41_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band41_OBW

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	4.556	/	Pass
		2605	25	0	4.541	/	Pass
		2652.5	25	0	4.557	/	Pass
	16QAM	2557.5	25	0	4.546	/	Pass
		2605	25	0	4.580	/	Pass
		2652.5	25	0	4.560	/	Pass
10	QPSK	2560	50	0	9.086	/	Pass
		2605	50	0	9.109	/	Pass
		2650	50	0	9.067	/	Pass
	16QAM	2560	50	0	9.068	/	Pass
		2605	50	0	9.066	/	Pass
		2650	50	0	9.053	/	Pass
15	QPSK	2562.5	75	0	13.620	/	Pass
		2605	75	0	13.574	/	Pass
		2647.5	75	0	13.576	/	Pass
	16QAM	2562.5	75	0	13.618	/	Pass
		2605	75	0	13.547	/	Pass
		2647.5	75	0	13.591	/	Pass
20	QPSK	2565	100	0	18.156	/	Pass
		2605	100	0	18.200	/	Pass
		2645	100	0	18.112	/	Pass
	16QAM	2565	100	0	17.929	/	Pass
		2605	100	0	18.139	/	Pass
		2645	100	0	18.129	/	Pass

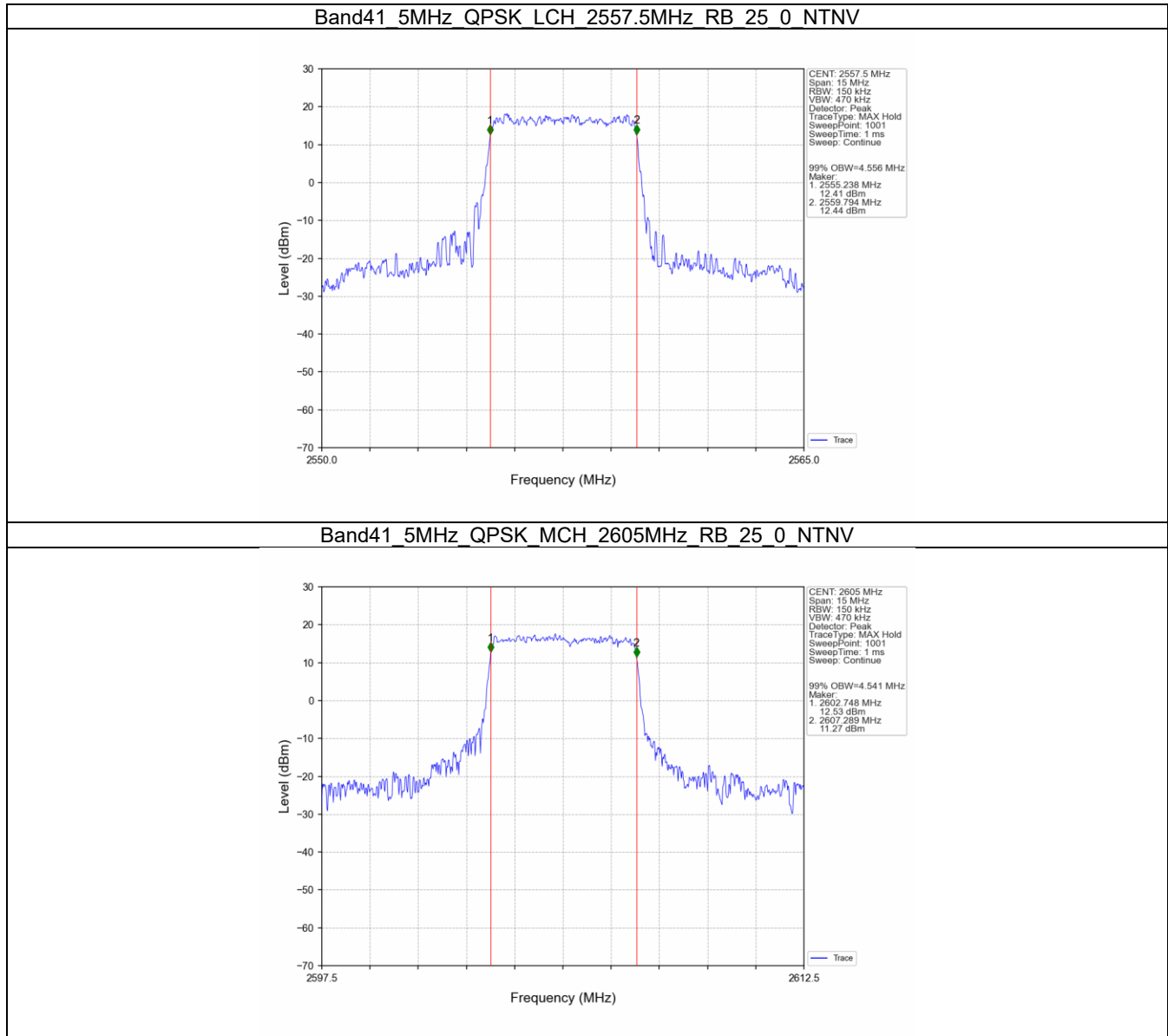
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.297	/	Pass
		2605	25	0	5.180	/	Pass
		2652.5	25	0	5.046	/	Pass
	16QAM	2557.5	25	0	5.232	/	Pass
		2605	25	0	5.351	/	Pass
		2652.5	25	0	5.357	/	Pass
10	QPSK	2560	50	0	10.049	/	Pass
		2605	50	0	10.361	/	Pass
		2650	50	0	10.243	/	Pass
	16QAM	2560	50	0	10.074	/	Pass
		2605	50	0	10.166	/	Pass
		2650	50	0	10.024	/	Pass
15	QPSK	2562.5	75	0	17.158	/	Pass
		2605	75	0	15.023	/	Pass
		2647.5	75	0	15.268	/	Pass

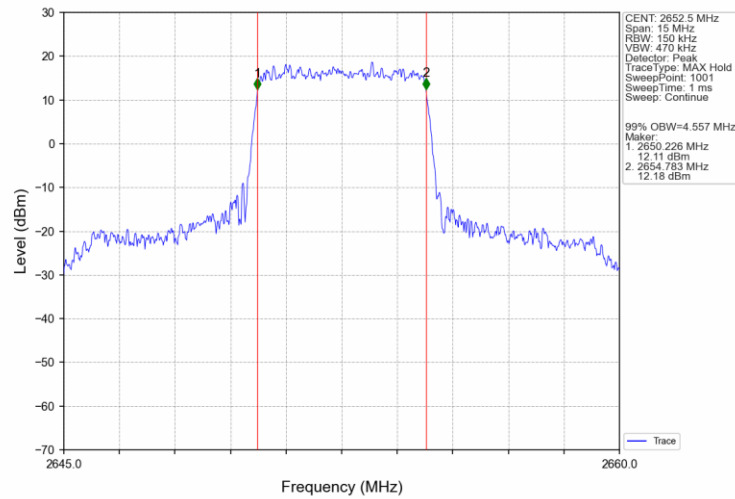
20	16QAM	2562.5	75	0	15.195	/	Pass
		2605	75	0	14.493	/	Pass
		2647.5	75	0	14.804	/	Pass
	QPSK	2565	100	0	20.424	/	Pass
		2605	100	0	20.116	/	Pass
		2645	100	0	20.639	/	Pass
	16QAM	2565	100	0	19.179	/	Pass
		2605	100	0	19.940	/	Pass
		2645	100	0	23.701	/	Pass

4.2 Test Graph

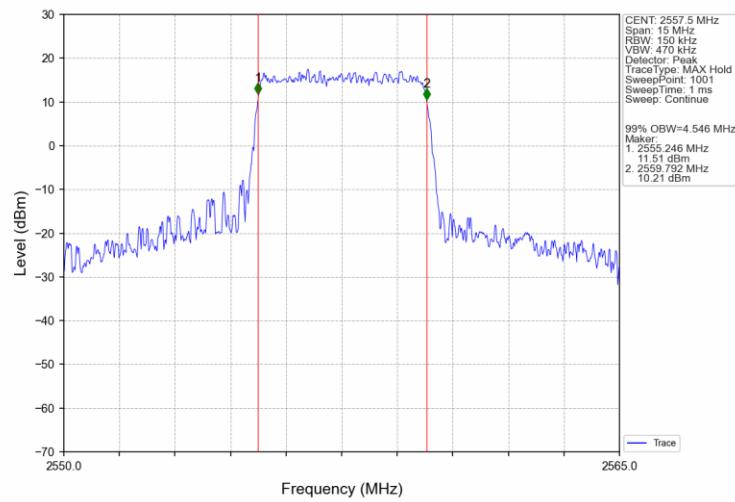
4.2.1 Band41_OBW



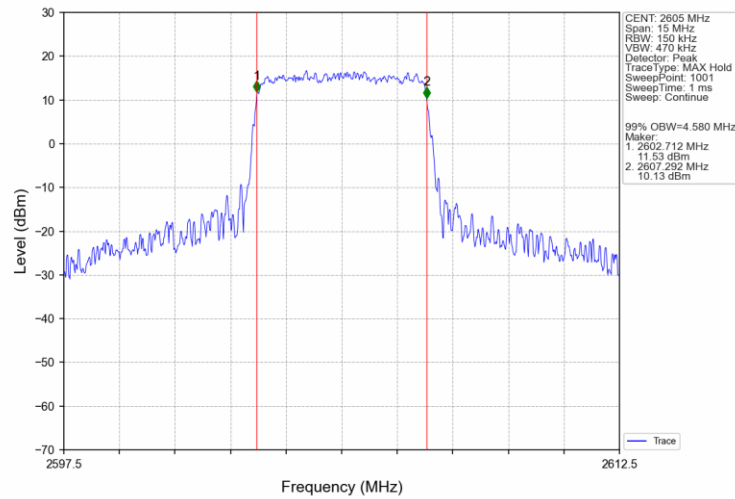
Band41 5MHz QPSK HCH 2652.5MHz RB 25 0 NTNV



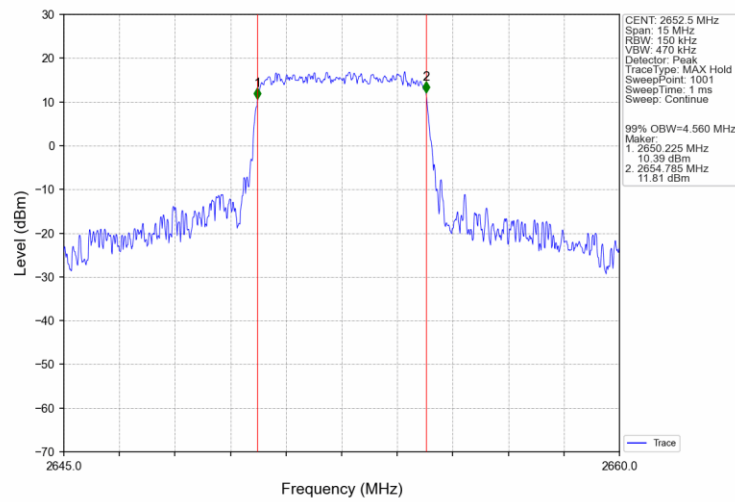
Band41 5MHz 16QAM LCH 2557.5MHz RB 25 0 NTNV



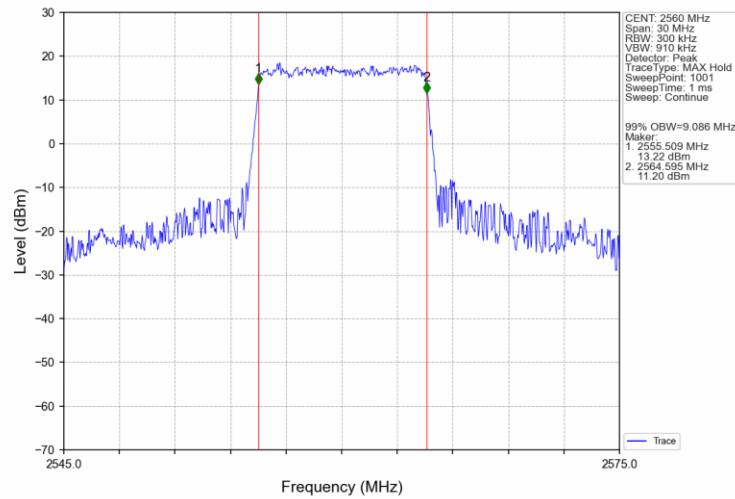
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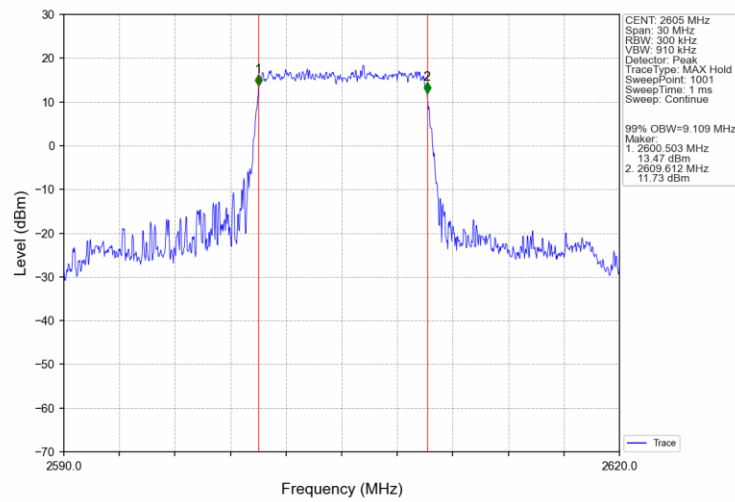
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



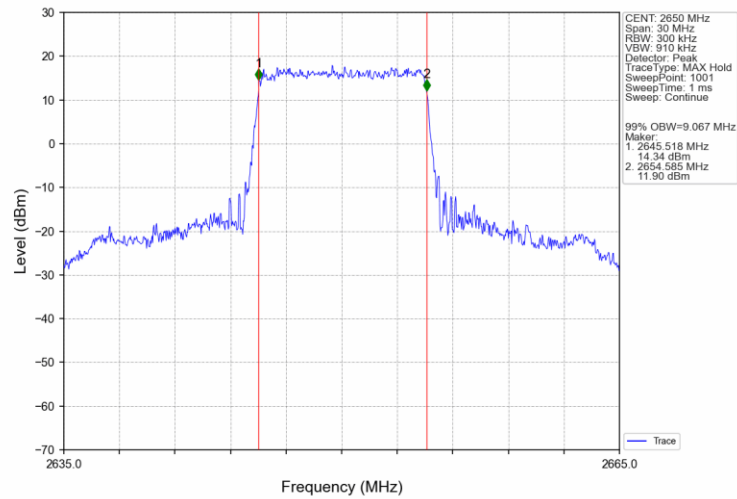
Band41 10MHz QPSK LCH 2560MHz RB 50 0 NTV



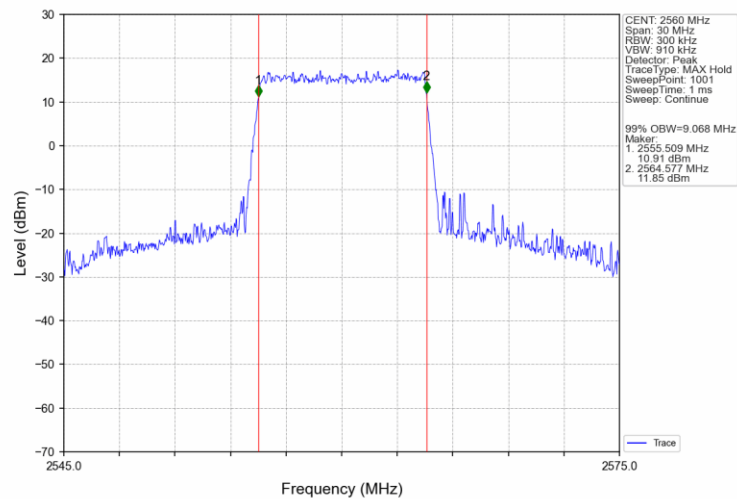
Band41 10MHz QPSK MCH 2605MHz RB 50 0 NTV



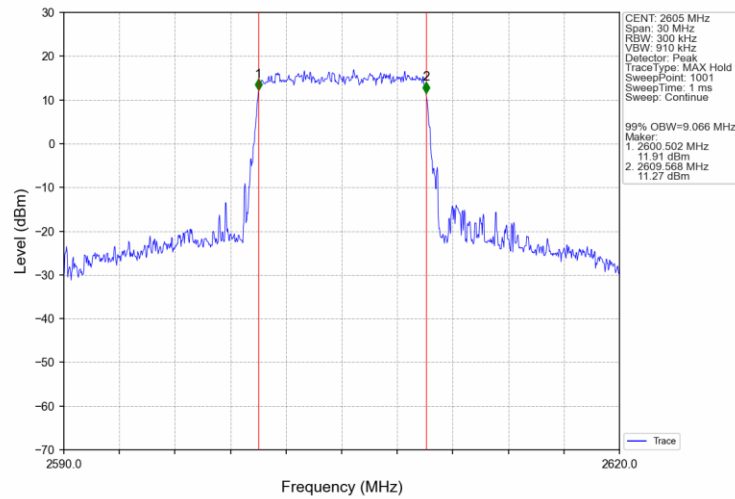
Band41 10MHz QPSK HCH 2650MHz RB 50 0 NTV



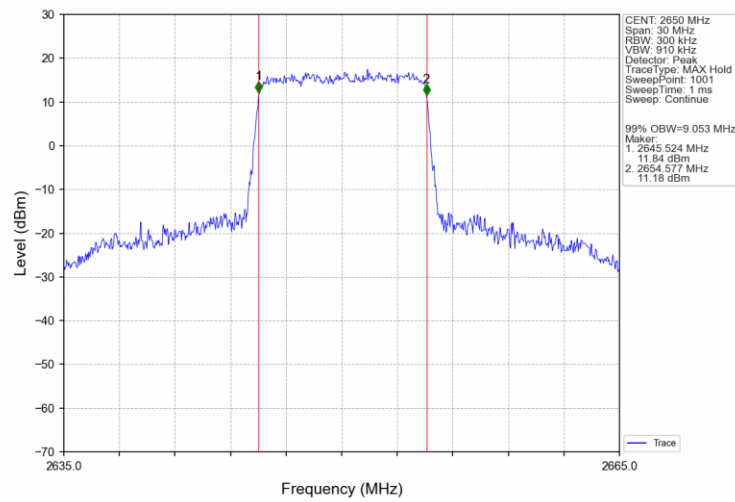
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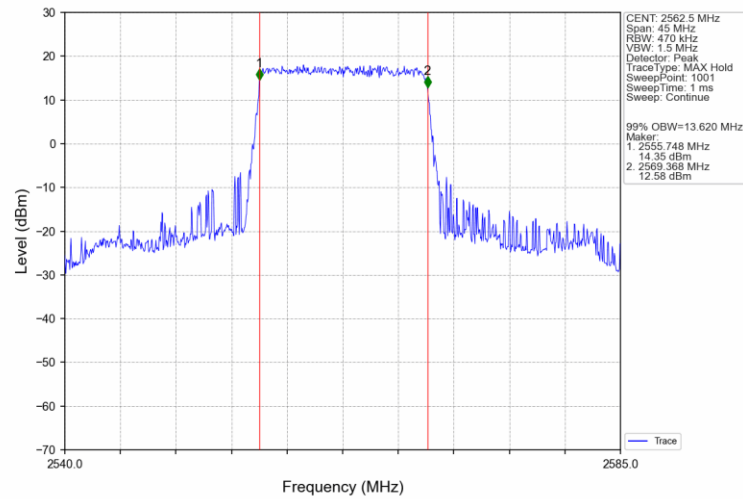
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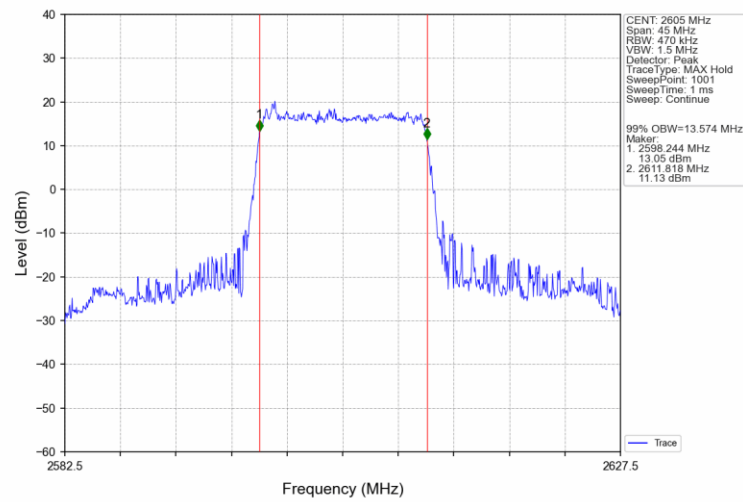
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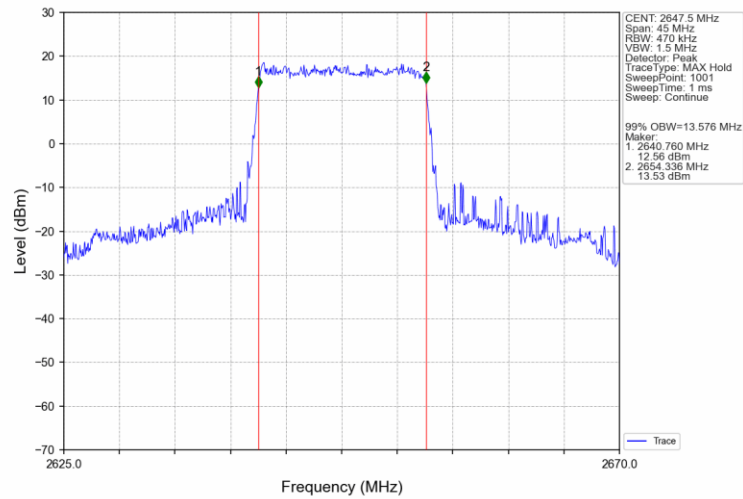
Band41 15MHz QPSK LCH 2562.5MHz RB 75 0 NTN



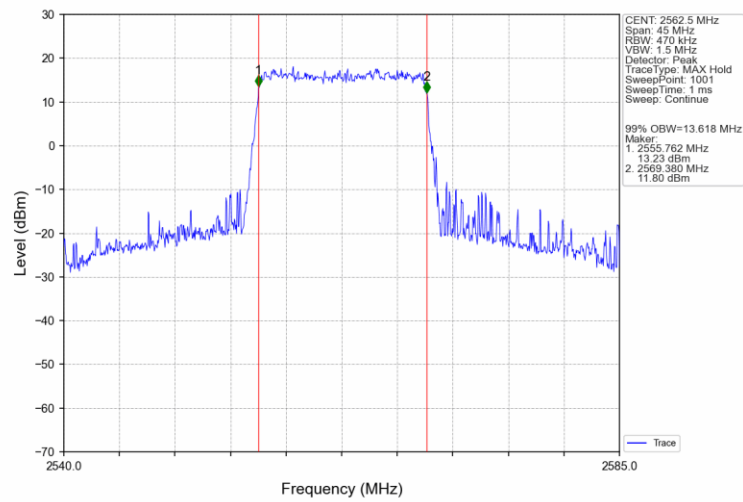
Band41 15MHz QPSK MCH 2605MHz RB 75 0 NTN



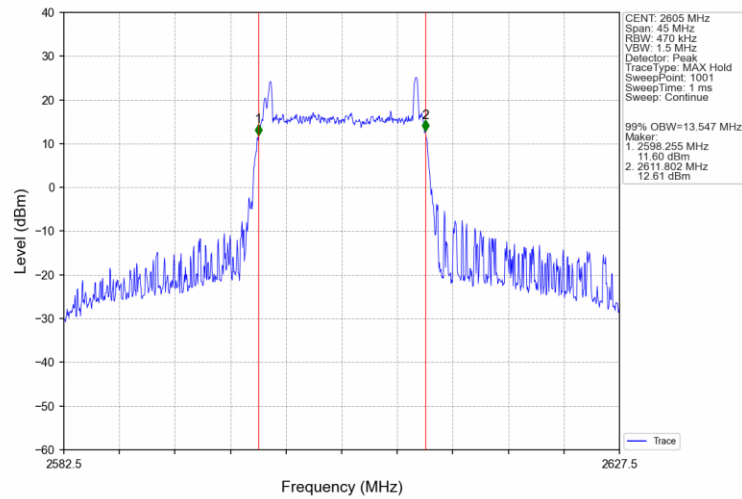
Band41 15MHz QPSK HCH 2647.5MHz RB 75 0 NTN



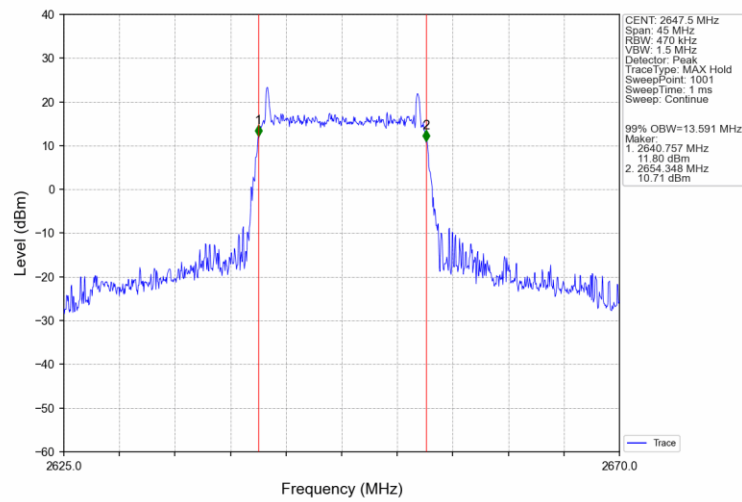
Band41 15MHz 16QAM LCH 2562.5MHz RB 75 0 NTN



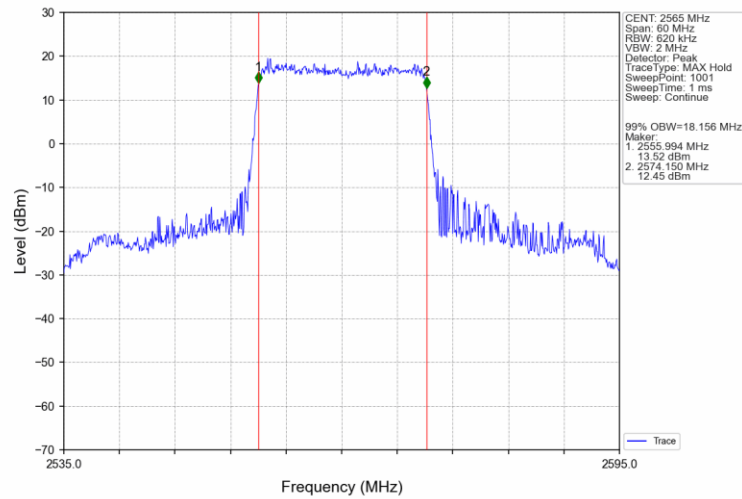
Band41 15MHz 16QAM MCH 2605MHz RB 75 0 NTN



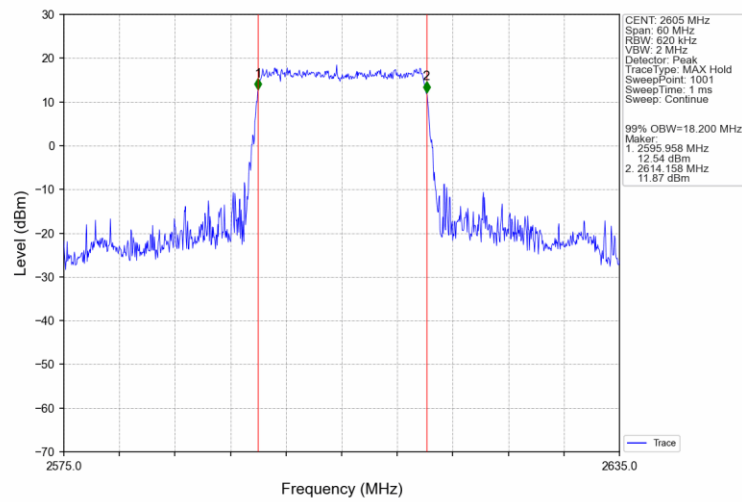
Band41 15MHz 16QAM HCH 2647.5MHz RB 75 0 NTN



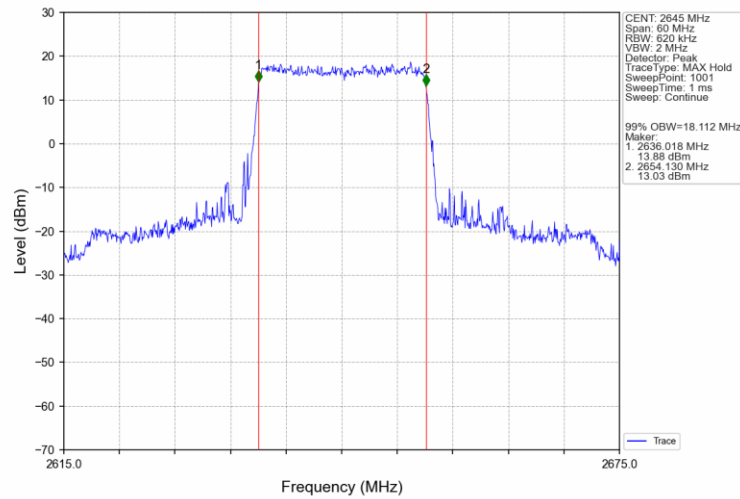
Band41 20MHz QPSK LCH 2565MHz RB 100 0 NTNV



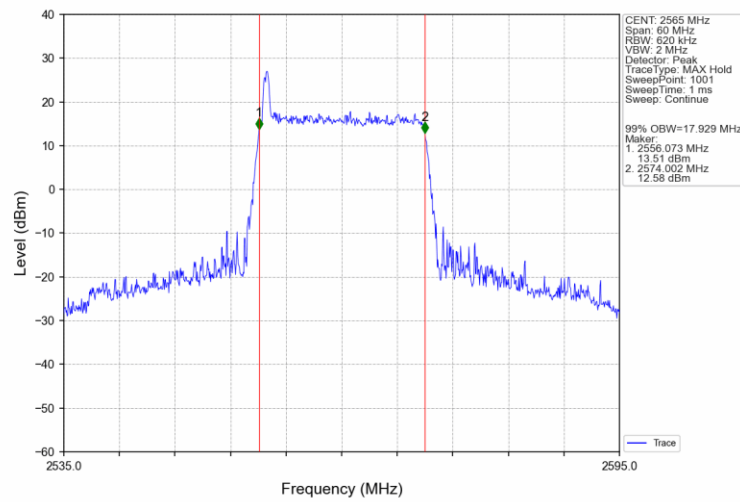
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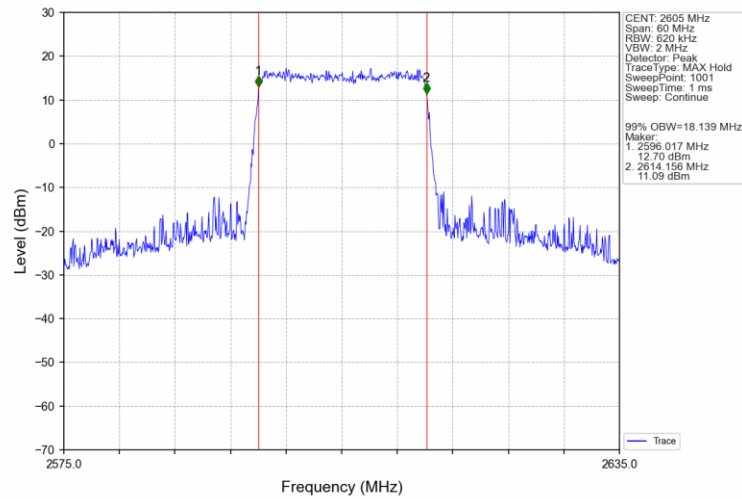
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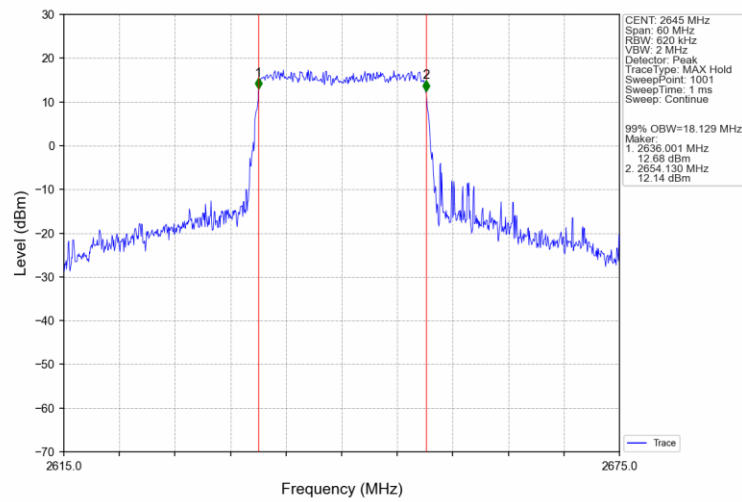
Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV

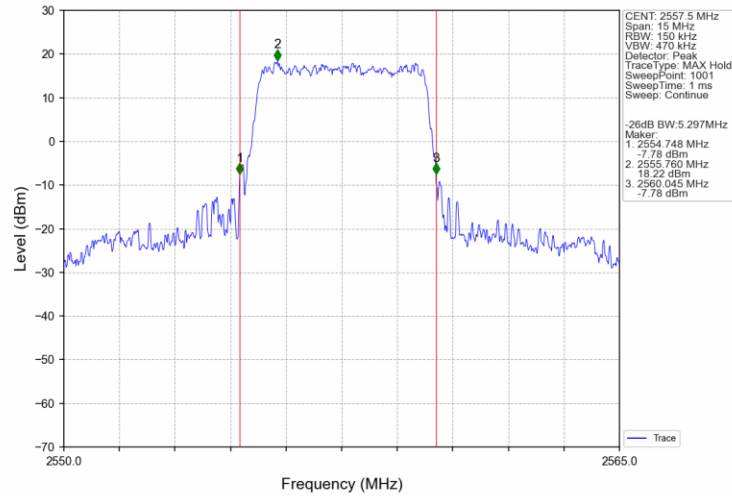


Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

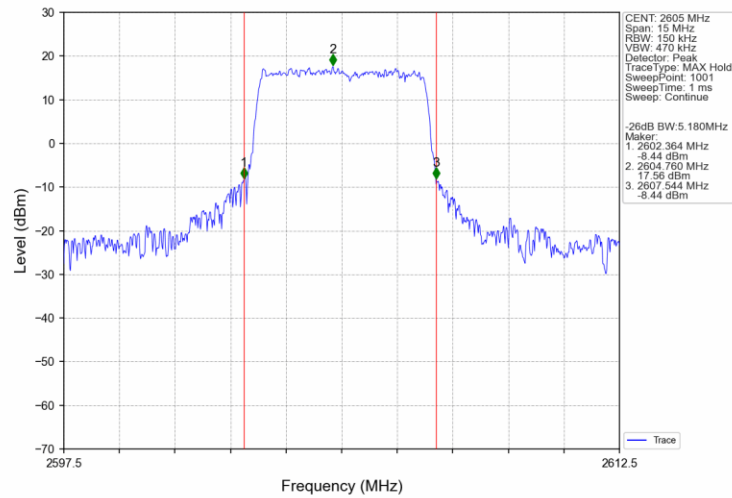


4.2.2 Band41_XDB

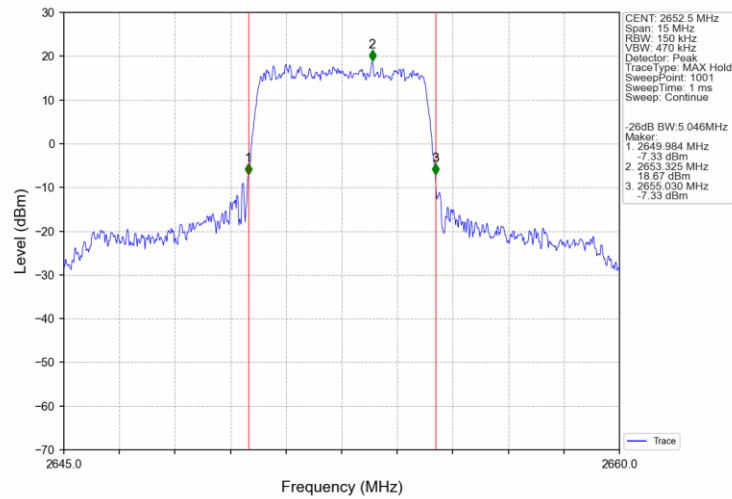
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



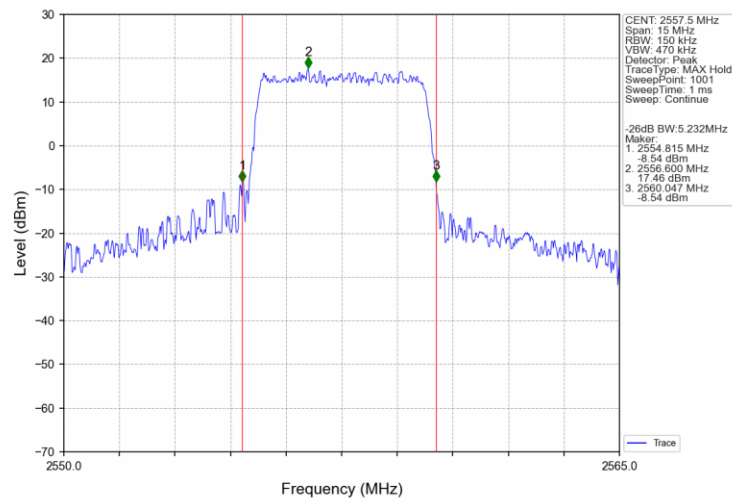
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



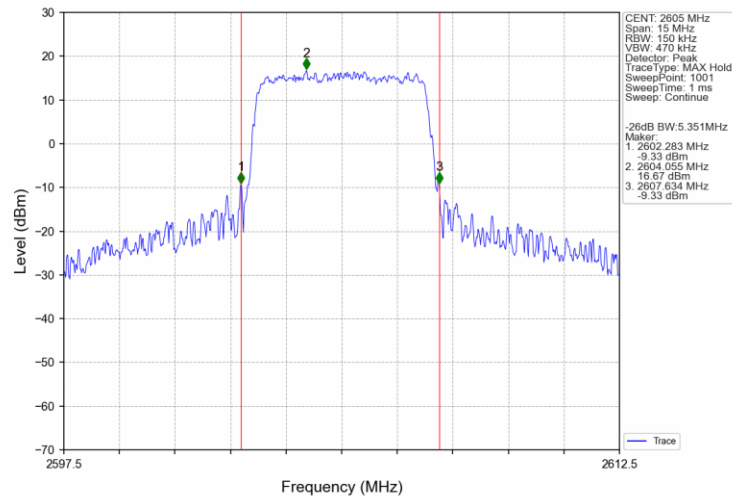
Band41 5MHz QPSK HCH 2652.5MHz RB 25 0 NTNV



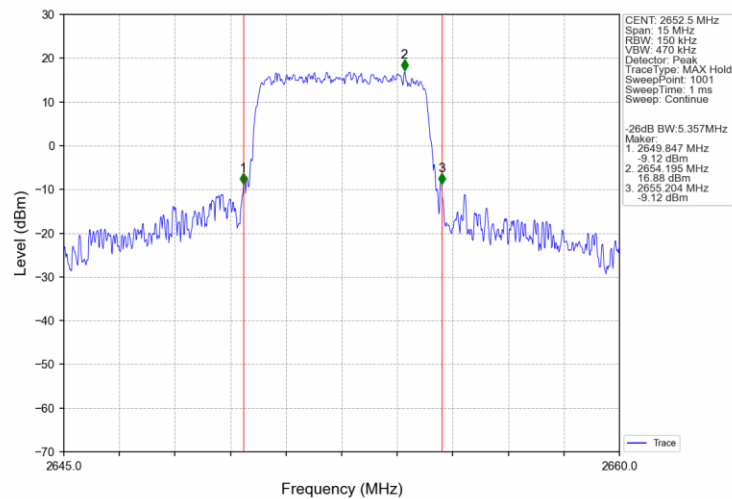
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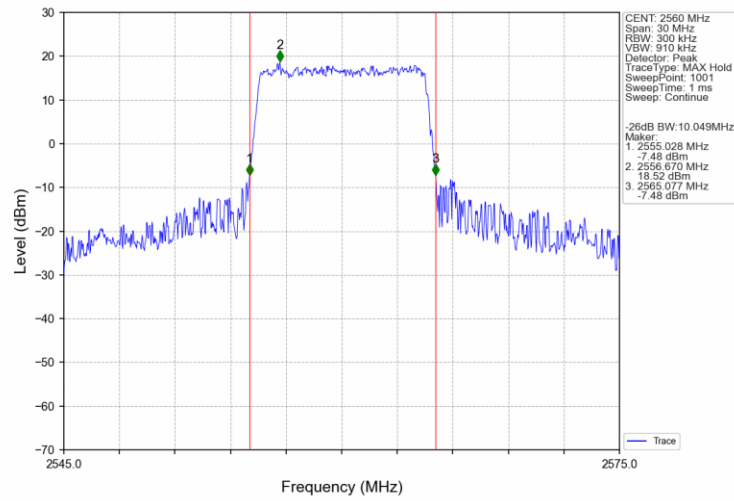
Band41 5MHz 16QAM MCH 2605MHz RB 25 0 NTNV



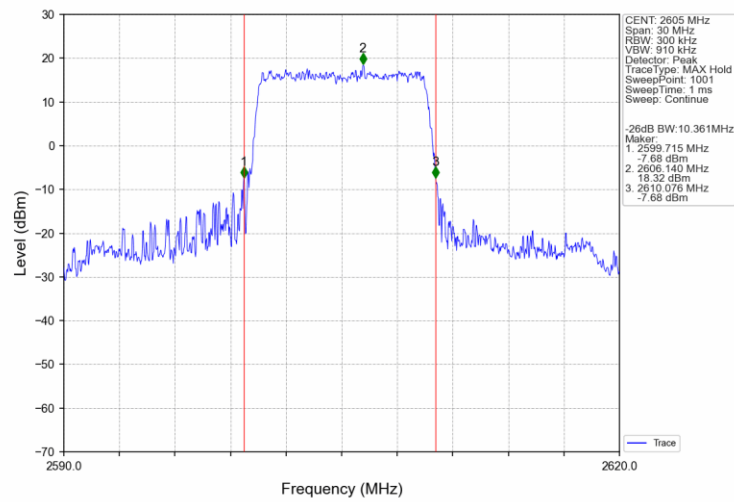
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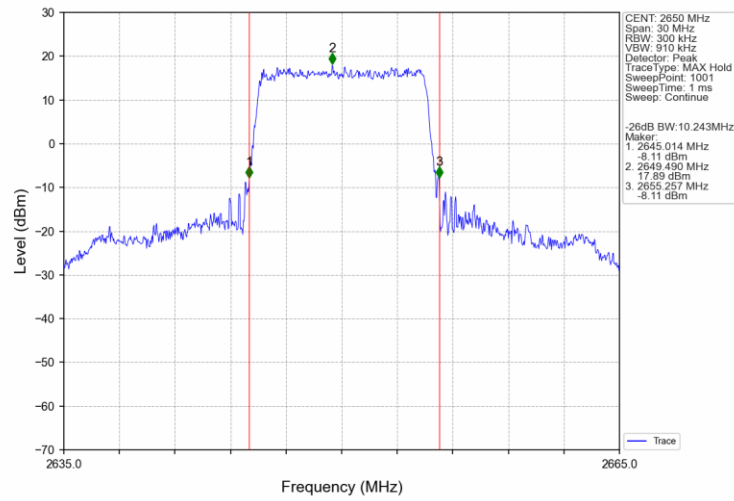
Band41 10MHz QPSK LCH 2560MHz RB 50 0 NTV



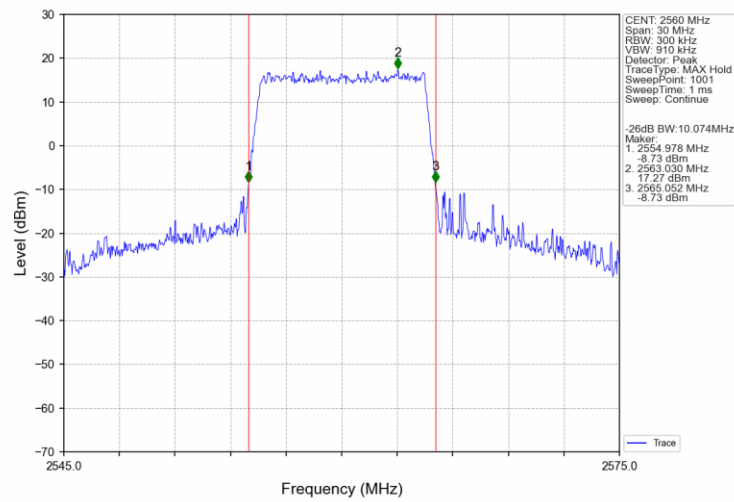
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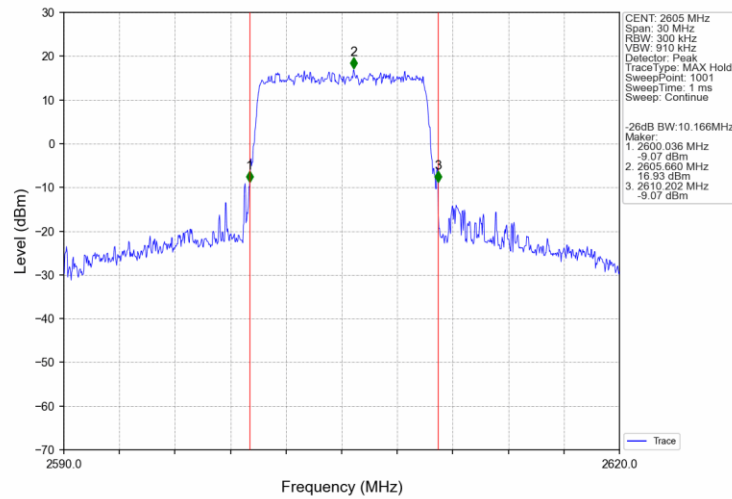
Band41 10MHz QPSK HCH 2650MHz RB 50 0 NTV



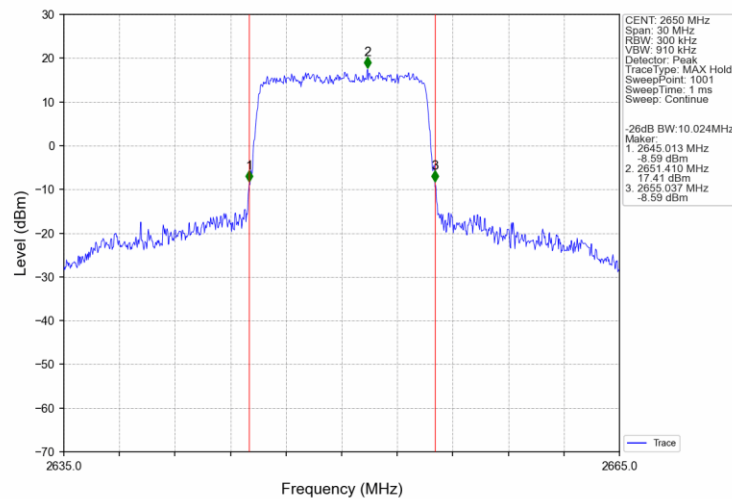
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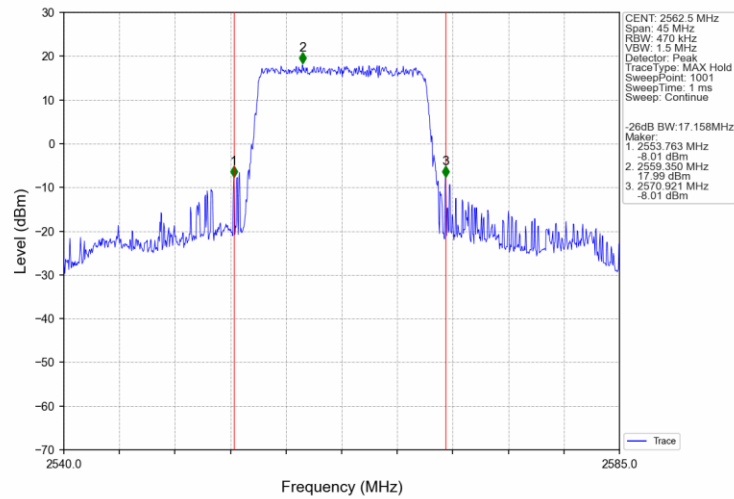
Band41 10MHz 16QAM MCH 2605MHz RB 50 0 NTNV



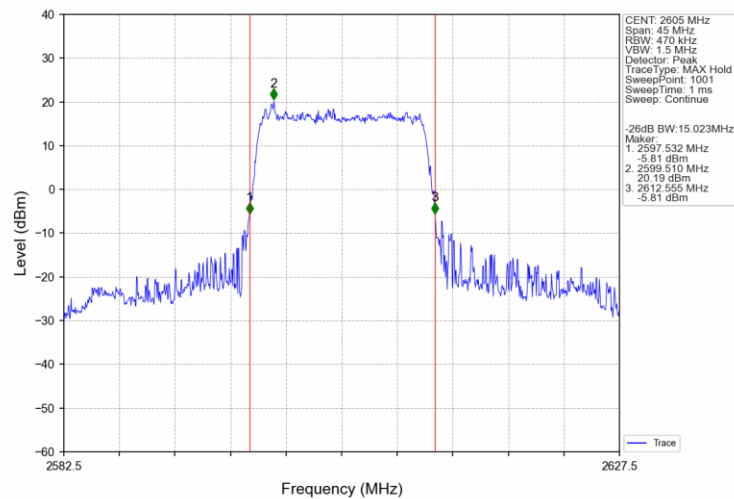
Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV



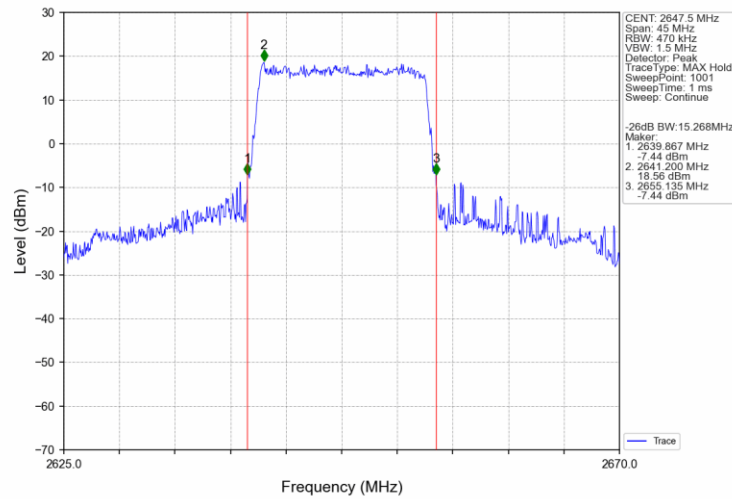
Band41 15MHz QPSK LCH 2562.5MHz RB 75 0 NTN



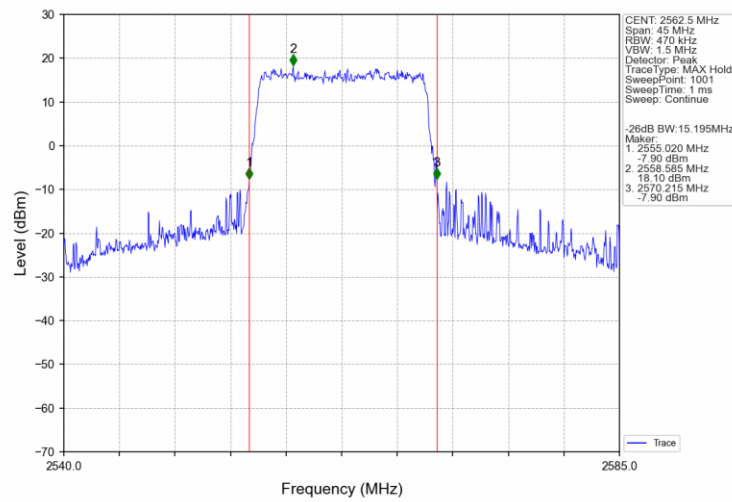
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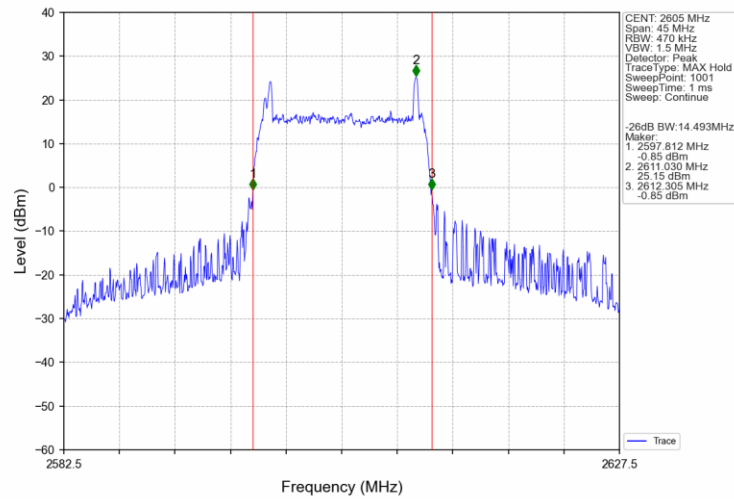
Band41 15MHz QPSK HCH 2647.5MHz RB 75 0 NTN



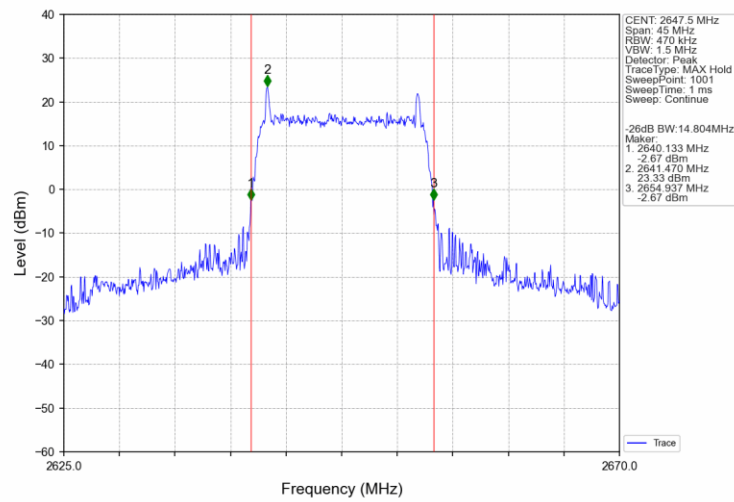
Band41 15MHz 16QAM LCH 2562.5MHz RB 75 0 NTN



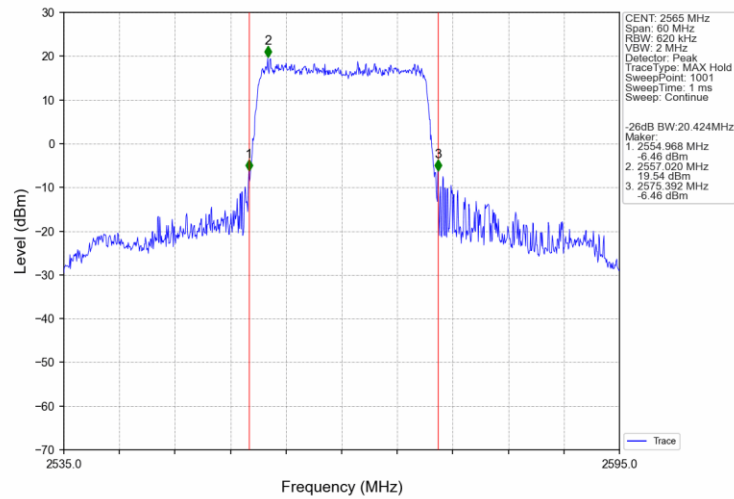
Band41 15MHz 16QAM MCH 2605MHz RB 75 0 NTN



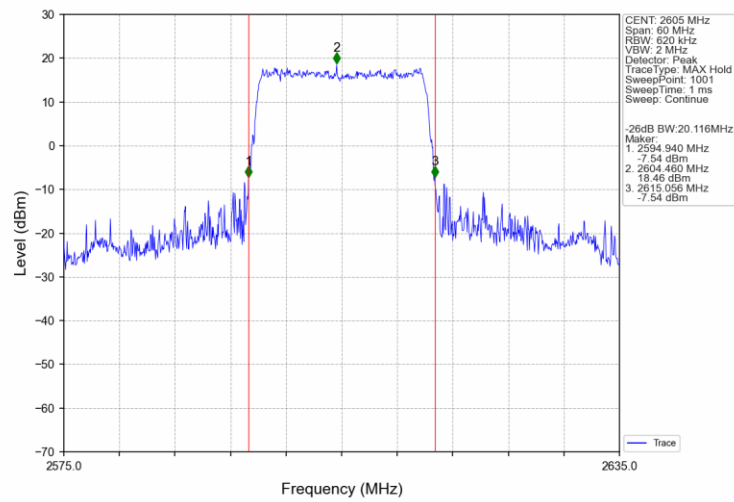
Band41 15MHz 16QAM HCH 2647.5MHz RB 75 0 NTN



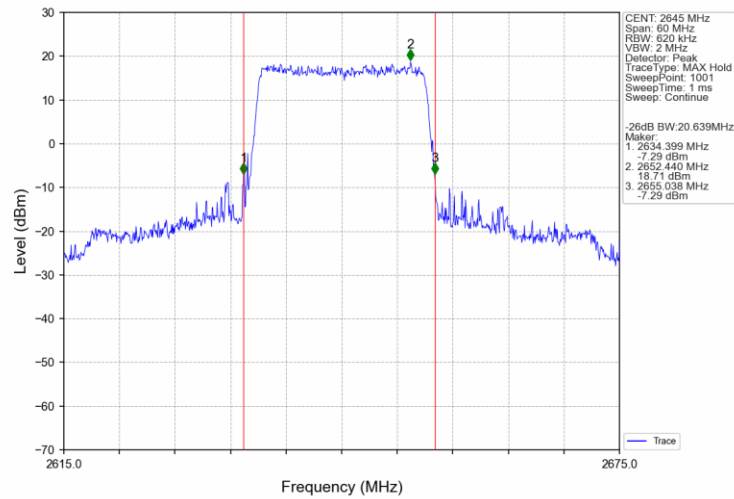
Band41 20MHz QPSK LCH 2565MHz RB 100 0 NTNV



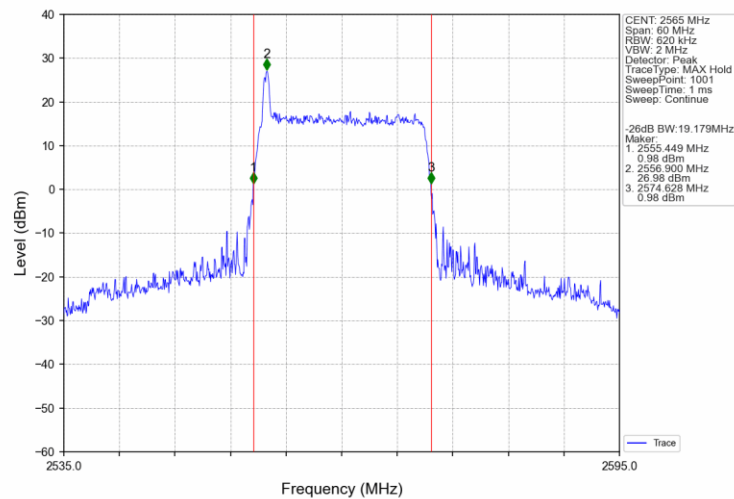
Band41 20MHz QPSK MCH 2605MHz RB 100 0 NTNV



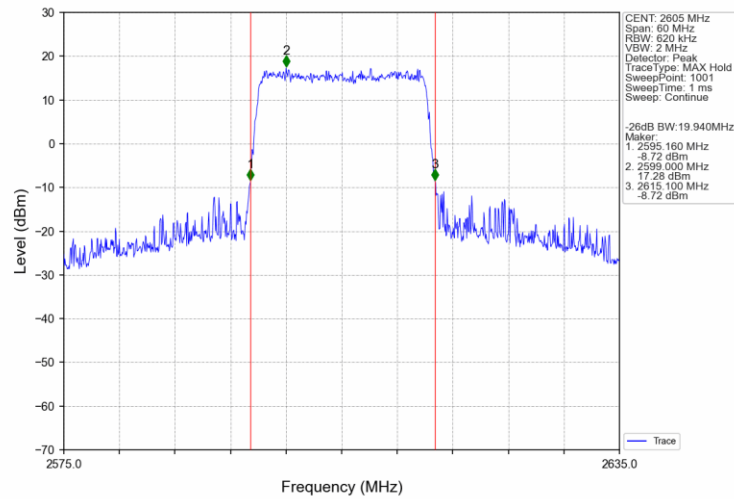
Band41 20MHz QPSK HCH 2645MHz RB 100 0 NTN



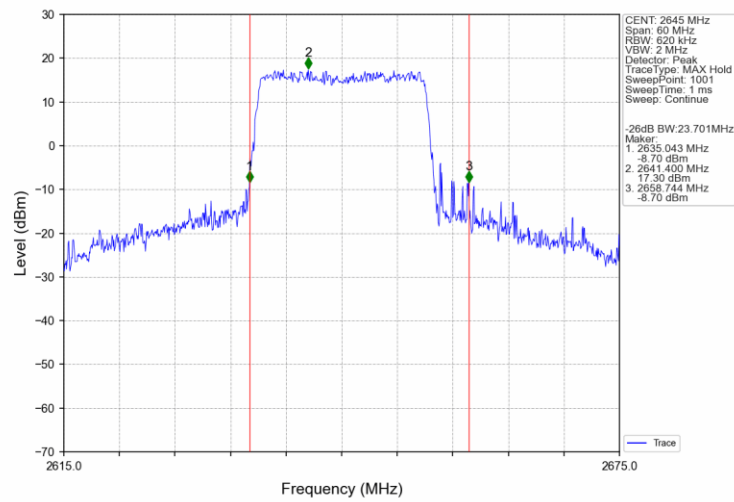
Band41 20MHz 16QAM LCH 2565MHz RB 100 0 NTN



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2557.5	25	0	7.36	<=13	Pass
	2605	25	0	7.57	<=13	Pass
	2652.5	25	0	7.19	<=13	Pass
16QAM	2557.5	25	0	8.25	<=13	Pass
	2605	25	0	8.28	<=13	Pass
	2652.5	25	0	8.04	<=13	Pass

5.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2560	50	0	7.58	<=13	Pass
	2605	50	0	7.58	<=13	Pass
	2650	50	0	7.45	<=13	Pass
16QAM	2560	50	0	8.33	<=13	Pass
	2605	50	0	8.35	<=13	Pass
	2650	50	0	8.08	<=13	Pass

5.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2562.5	75	0	7.14	<=13	Pass
	2605	75	0	7.31	<=13	Pass
	2647.5	75	0	7.26	<=13	Pass
16QAM	2562.5	75	0	8.15	<=13	Pass
	2605	75	0	8.23	<=13	Pass
	2647.5	75	0	8.04	<=13	Pass

5.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.73	<=13	Pass
	2605	100	0	7.69	<=13	Pass
	2645	100	0	7.74	<=13	Pass
16QAM	2565	100	0	8.66	<=13	Pass
	2605	100	0	8.38	<=13	Pass
	2645	100	0	8.85	<=13	Pass

