

1.2 B41_10MHz_EIRP

1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2550	1	0	19.57	1.12	20.69	<=33.01	Pass		
			25	19.79	1.12	20.91	<=33.01	Pass		
			49	19.57	1.12	20.69	<=33.01	Pass		
		25	0	18.48	1.12	19.60	<=33.01	Pass		
			13	18.57	1.12	19.69	<=33.01	Pass		
			25	18.47	1.12	19.59	<=33.01	Pass		
		50	0	18.47	1.12	19.59	<=33.01	Pass		
		2600	1	0	19.28	1.12	20.40	<=33.01	Pass	
				25	19.46	1.12	20.58	<=33.01	Pass	
	49			19.25	1.12	20.37	<=33.01	Pass		
	25		0	18.14	1.12	19.26	<=33.01	Pass		
			13	18.24	1.12	19.36	<=33.01	Pass		
			25	18.29	1.12	19.41	<=33.01	Pass		
	50		0	18.22	1.12	19.34	<=33.01	Pass		
	2650		1	0	19.02	1.12	20.14	<=33.01	Pass	
				25	19.37	1.12	20.49	<=33.01	Pass	
		49		19.08	1.12	20.20	<=33.01	Pass		
		25	0	18.14	1.12	19.26	<=33.01	Pass		
			13	18.06	1.12	19.18	<=33.01	Pass		
			25	18.00	1.12	19.12	<=33.01	Pass		
		50	0	18.13	1.12	19.25	<=33.01	Pass		
		16QAM	2550	1	0	18.49	1.12	19.61	<=33.01	Pass
					25	18.45	1.12	19.57	<=33.01	Pass
	49				18.52	1.12	19.64	<=33.01	Pass	
25	0			17.47	1.12	18.59	<=33.01	Pass		
	13			17.56	1.12	18.68	<=33.01	Pass		
	25			17.46	1.12	18.58	<=33.01	Pass		
50	0			17.48	1.12	18.60	<=33.01	Pass		
2600	1			0	17.94	1.12	19.06	<=33.01	Pass	
				25	18.09	1.12	19.21	<=33.01	Pass	
			49	18.07	1.12	19.19	<=33.01	Pass		
	25		0	17.19	1.12	18.31	<=33.01	Pass		
			13	17.19	1.12	18.31	<=33.01	Pass		
			25	17.22	1.12	18.34	<=33.01	Pass		
	50		0	17.16	1.12	18.28	<=33.01	Pass		
	2650		1	0	17.99	1.12	19.11	<=33.01	Pass	
				25	18.20	1.12	19.32	<=33.01	Pass	
49				18.05	1.12	19.17	<=33.01	Pass		
25			0	17.15	1.12	18.27	<=33.01	Pass		
			13	17.09	1.12	18.21	<=33.01	Pass		
			25	17.06	1.12	18.18	<=33.01	Pass		
50			0	17.11	1.12	18.23	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B41_15MHz_EIRP

1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2552.5	1	0	19.63	1.12	20.75	<=33.01	Pass		
			38	19.49	1.12	20.61	<=33.01	Pass		
			74	19.46	1.12	20.58	<=33.01	Pass		
		36	0	18.66	1.12	19.78	<=33.01	Pass		
			18	18.58	1.12	19.70	<=33.01	Pass		
			39	18.57	1.12	19.69	<=33.01	Pass		
		75	0	18.56	1.12	19.68	<=33.01	Pass		
		2600	1	0	19.20	1.12	20.32	<=33.01	Pass	
				38	19.35	1.12	20.47	<=33.01	Pass	
	74			19.17	1.12	20.29	<=33.01	Pass		
	36		0	18.23	1.12	19.35	<=33.01	Pass		
			18	18.34	1.12	19.46	<=33.01	Pass		
			39	18.31	1.12	19.43	<=33.01	Pass		
	75		0	18.32	1.12	19.44	<=33.01	Pass		
	2647.5		1	0	19.01	1.12	20.13	<=33.01	Pass	
				38	19.11	1.12	20.23	<=33.01	Pass	
		74		19.03	1.12	20.15	<=33.01	Pass		
		36	0	18.18	1.12	19.30	<=33.01	Pass		
			18	18.21	1.12	19.33	<=33.01	Pass		
			39	18.09	1.12	19.21	<=33.01	Pass		
		75	0	18.18	1.12	19.30	<=33.01	Pass		
		16QAM	2552.5	1	0	18.55	1.12	19.67	<=33.01	Pass
					38	18.38	1.12	19.50	<=33.01	Pass
	74				17.95	1.12	19.07	<=33.01	Pass	
36	0			17.54	1.12	18.66	<=33.01	Pass		
	18			17.55	1.12	18.67	<=33.01	Pass		
	39			17.54	1.12	18.66	<=33.01	Pass		
75	0			17.42	1.12	18.54	<=33.01	Pass		
2600	1			0	17.87	1.12	18.99	<=33.01	Pass	
				38	18.10	1.12	19.22	<=33.01	Pass	
			74	17.82	1.12	18.94	<=33.01	Pass		
	36		0	17.27	1.12	18.39	<=33.01	Pass		
			18	17.28	1.12	18.40	<=33.01	Pass		
			39	17.26	1.12	18.38	<=33.01	Pass		
	75		0	17.24	1.12	18.36	<=33.01	Pass		
	2647.5		1	0	17.73	1.12	18.85	<=33.01	Pass	
				38	18.05	1.12	19.17	<=33.01	Pass	
74				17.94	1.12	19.06	<=33.01	Pass		
36			0	17.19	1.12	18.31	<=33.01	Pass		
			18	17.15	1.12	18.27	<=33.01	Pass		
			39	17.05	1.12	18.17	<=33.01	Pass		
75			0	17.12	1.12	18.24	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.4 B41_20MHz_EIRP

1.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2555	1	0	19.43	1.12	20.55	<=33.01	Pass		
			50	19.65	1.12	20.77	<=33.01	Pass		
			99	19.11	1.12	20.23	<=33.01	Pass		
		50	0	18.48	1.12	19.60	<=33.01	Pass		
			25	18.43	1.12	19.55	<=33.01	Pass		
			50	18.34	1.12	19.46	<=33.01	Pass		
		100	0	18.41	1.12	19.53	<=33.01	Pass		
		2600	1	0	19.08	1.12	20.20	<=33.01	Pass	
				50	19.49	1.12	20.61	<=33.01	Pass	
	99			19.00	1.12	20.12	<=33.01	Pass		
	50		0	18.17	1.12	19.29	<=33.01	Pass		
			25	18.18	1.12	19.30	<=33.01	Pass		
			50	18.27	1.12	19.39	<=33.01	Pass		
	100		0	18.25	1.12	19.37	<=33.01	Pass		
	2645		1	0	18.78	1.12	19.90	<=33.01	Pass	
				50	19.17	1.12	20.29	<=33.01	Pass	
		99		18.74	1.12	19.86	<=33.01	Pass		
		50	0	18.16	1.12	19.28	<=33.01	Pass		
			25	18.06	1.12	19.18	<=33.01	Pass		
			50	17.85	1.12	18.97	<=33.01	Pass		
		100	0	18.09	1.12	19.21	<=33.01	Pass		
		16QAM	2555	1	0	18.16	1.12	19.28	<=33.01	Pass
					50	18.21	1.12	19.33	<=33.01	Pass
	99				17.77	1.12	18.89	<=33.01	Pass	
50	0			17.53	1.12	18.65	<=33.01	Pass		
	25			17.43	1.12	18.55	<=33.01	Pass		
	50			17.37	1.12	18.49	<=33.01	Pass		
100	0			17.39	1.12	18.51	<=33.01	Pass		
2600	1			0	17.89	1.12	19.01	<=33.01	Pass	
				50	18.28	1.12	19.40	<=33.01	Pass	
			99	18.17	1.12	19.29	<=33.01	Pass		
	50		0	17.15	1.12	18.27	<=33.01	Pass		
			25	17.27	1.12	18.39	<=33.01	Pass		
			50	17.22	1.12	18.34	<=33.01	Pass		
	100		0	17.22	1.12	18.34	<=33.01	Pass		
	2645		1	0	17.82	1.12	18.94	<=33.01	Pass	
				50	18.23	1.12	19.35	<=33.01	Pass	
99				17.87	1.12	18.99	<=33.01	Pass		
50			0	17.11	1.12	18.23	<=33.01	Pass		
			25	17.00	1.12	18.12	<=33.01	Pass		
			50	16.87	1.12	17.99	<=33.01	Pass		
100			0	17.06	1.12	18.18	<=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	2547.5	25	0	20	3.27	-1.888	-0.0008	-2.5 to 2.5	Pass
					3.85	-45.419	-0.0182	-2.5 to 2.5	Pass
					4.43	-47.278	-0.0189	-2.5 to 2.5	Pass
				-30	3.85	-35.205	-0.0141	-2.5 to 2.5	Pass
				-20	3.85	-47.364	-0.0190	-2.5 to 2.5	Pass
				-10	3.85	-41.356	-0.0166	-2.5 to 2.5	Pass
				0	3.85	-37.007	-0.0148	-2.5 to 2.5	Pass
				10	3.85	-40.255	-0.0161	-2.5 to 2.5	Pass
				30	3.85	-41.671	-0.0167	-2.5 to 2.5	Pass
				40	3.85	-63.071	-0.0252	-2.5 to 2.5	Pass
	50	3.85	-62.056	-0.0248	-2.5 to 2.5	Pass			
	2600	25	0	20	3.27	7.238	0.0028	-2.5 to 2.5	Pass
					3.85	-23.389	-0.0090	-2.5 to 2.5	Pass
					4.43	-23.675	-0.0091	-2.5 to 2.5	Pass
				-30	3.85	-14.963	-0.0058	-2.5 to 2.5	Pass
				-20	3.85	-14.162	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-21.915	-0.0085	-2.5 to 2.5	Pass
				0	3.85	-25.635	-0.0099	-2.5 to 2.5	Pass
				10	3.85	-30.484	-0.0118	-2.5 to 2.5	Pass
				30	3.85	-26.164	-0.0101	-2.5 to 2.5	Pass
				40	3.85	-16.007	-0.0062	-2.5 to 2.5	Pass
	50	3.85	-17.524	-0.0068	-2.5 to 2.5	Pass			
	2652.5	25	0	20	3.27	9.584	0.0036	-2.5 to 2.5	Pass
					3.85	-19.913	-0.0074	-2.5 to 2.5	Pass
					4.43	-11.244	-0.0042	-2.5 to 2.5	Pass
				-30	3.85	-12.417	-0.0046	-2.5 to 2.5	Pass
				-20	3.85	-12.846	-0.0048	-2.5 to 2.5	Pass
				-10	3.85	-12.202	-0.0045	-2.5 to 2.5	Pass
				0	3.85	-15.392	-0.0057	-2.5 to 2.5	Pass
				10	3.85	-15.893	-0.0059	-2.5 to 2.5	Pass
30				3.85	-18.840	-0.0070	-2.5 to 2.5	Pass	
40				3.85	-9.184	-0.0034	-2.5 to 2.5	Pass	
50	3.85	-13.103	-0.0049	-2.5 to 2.5	Pass				
16QAM	2547.5	25	0	20	3.27	-56.248	-0.0225	-2.5 to 2.5	Pass
					3.85	-50.755	-0.0203	-2.5 to 2.5	Pass
					4.43	-55.361	-0.0222	-2.5 to 2.5	Pass
				-30	3.85	-44.403	-0.0178	-2.5 to 2.5	Pass
				-20	3.85	-42.171	-0.0169	-2.5 to 2.5	Pass
				-10	3.85	-40.770	-0.0163	-2.5 to 2.5	Pass
				0	3.85	-70.224	-0.0281	-2.5 to 2.5	Pass
				10	3.85	-54.274	-0.0217	-2.5 to 2.5	Pass
				30	3.85	-56.190	-0.0225	-2.5 to 2.5	Pass
	40	3.85	-51.498	-0.0206	-2.5 to 2.5	Pass			
	50	3.85	-54.388	-0.0218	-2.5 to 2.5	Pass			
	2600	25	0	20	3.27	-26.608	-0.0103	-2.5 to 2.5	Pass
					3.85	-18.468	-0.0071	-2.5 to 2.5	Pass
					4.43	-18.511	-0.0071	-2.5 to 2.5	Pass
				-30	3.85	-15.836	-0.0061	-2.5 to 2.5	Pass
				-20	3.85	-14.133	-0.0055	-2.5 to 2.5	Pass
				-10	3.85	-13.504	-0.0052	-2.5 to 2.5	Pass
				0	3.85	-0.257	-0.0001	-2.5 to 2.5	Pass
10				3.85	5.765	0.0022	-2.5 to 2.5	Pass	

	2652.5	25	0	30	3.85	3.519	0.0014	-2.5 to 2.5	Pass
				40	3.85	6.580	0.0025	-2.5 to 2.5	Pass
				50	3.85	4.792	0.0018	-2.5 to 2.5	Pass
				20	3.27	-13.590	-0.0051	-2.5 to 2.5	Pass
					3.85	-4.048	-0.0015	-2.5 to 2.5	Pass
					4.43	-4.578	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-0.172	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	1.345	0.0005	-2.5 to 2.5	Pass
				0	3.85	6.595	0.0025	-2.5 to 2.5	Pass
				10	3.85	-1.831	-0.0007	-2.5 to 2.5	Pass
				30	3.85	7.324	0.0027	-2.5 to 2.5	Pass
				40	3.85	8.512	0.0032	-2.5 to 2.5	Pass
				50	3.85	6.709	0.0025	-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	2550	50	0	20	3.27	-7.668	-0.0031	-2.5 to 2.5	Pass
					3.85	-4.320	-0.0017	-2.5 to 2.5	Pass
					4.43	-0.215	-0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.934	-0.0016	-2.5 to 2.5	Pass
				-20	3.85	-5.536	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-3.233	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-5.879	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-2.904	-0.0012	-2.5 to 2.5	Pass
				30	3.85	3.490	0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass
				2600	50	0	20	3.27	-17.095
	3.85	-0.086	0.0000					-2.5 to 2.5	Pass
	4.43	1.330	0.0005					-2.5 to 2.5	Pass
	-30	3.85	-0.086				0.0000	-2.5 to 2.5	Pass
	-20	3.85	0.558				0.0002	-2.5 to 2.5	Pass
	-10	3.85	-0.243				-0.0001	-2.5 to 2.5	Pass
	0	3.85	-4.535				-0.0017	-2.5 to 2.5	Pass
	10	3.85	-0.744				-0.0003	-2.5 to 2.5	Pass
	30	3.85	0.758				0.0003	-2.5 to 2.5	Pass
	40	3.85	2.747				0.0011	-2.5 to 2.5	Pass
	50	3.85	-2.189				-0.0008	-2.5 to 2.5	Pass
	2650	50	0				20	3.27	-10.328
				3.85	-3.448	-0.0013		-2.5 to 2.5	Pass
				4.43	7.982	0.0030		-2.5 to 2.5	Pass
				-30	3.85	-0.758	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	6.337	0.0024	-2.5 to 2.5	Pass
-10				3.85	2.532	0.0009	-2.5 to 2.5	Pass	
0				3.85	0.114	0.0000	-2.5 to 2.5	Pass	
10	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass				

				30	3.85	5.636	0.0021	-2.5 to 2.5	Pass
				40	3.85	5.236	0.0020	-2.5 to 2.5	Pass
				50	3.85	5.693	0.0021	-2.5 to 2.5	Pass
16QAM	2550	50	0	20	3.27	-0.458	-0.0002	-2.5 to 2.5	Pass
					3.85	-7.796	-0.0031	-2.5 to 2.5	Pass
					4.43	-3.176	-0.0013	-2.5 to 2.5	Pass
				-30	3.85	-8.640	-0.0035	-2.5 to 2.5	Pass
				-20	3.85	-0.601	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-4.678	-0.0019	-2.5 to 2.5	Pass
				0	3.85	0.486	0.0002	-2.5 to 2.5	Pass
				10	3.85	-3.018	-0.0012	-2.5 to 2.5	Pass
				30	3.85	1.059	0.0004	-2.5 to 2.5	Pass
				40	3.85	1.659	0.0007	-2.5 to 2.5	Pass
	50	3.85	1.903	0.0008	-2.5 to 2.5	Pass			
	2600	50	0	20	3.27	3.290	0.0013	-2.5 to 2.5	Pass
					3.85	-5.779	-0.0022	-2.5 to 2.5	Pass
					4.43	0.072	0.0000	-2.5 to 2.5	Pass
				-30	3.85	-4.492	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.114	0.0000	-2.5 to 2.5	Pass
				-10	3.85	-5.536	-0.0021	-2.5 to 2.5	Pass
				0	3.85	-2.532	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-1.101	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-6.251	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-5.994	-0.0023	-2.5 to 2.5	Pass
	50	3.85	-3.204	-0.0012	-2.5 to 2.5	Pass			
	2650	50	0	20	3.27	6.409	0.0024	-2.5 to 2.5	Pass
					3.85	3.247	0.0012	-2.5 to 2.5	Pass
					4.43	0.572	0.0002	-2.5 to 2.5	Pass
				-30	3.85	4.721	0.0018	-2.5 to 2.5	Pass
				-20	3.85	-0.658	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-7.067	-0.0026	-2.5 to 2.5	Pass
				0	3.85	2.589	0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.304	-0.0012	-2.5 to 2.5	Pass
30				3.85	-0.715	-0.0003	-2.5 to 2.5	Pass	
40				3.85	-4.077	-0.0015	-2.5 to 2.5	Pass	
50	3.85	5.951	0.0022	-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	2552.5	75	0	20	3.27	-9.627	-0.0038	-2.5 to 2.5	Pass
					3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
					4.43	-5.279	-0.0021	-2.5 to 2.5	Pass
				-30	3.85	-6.337	-0.0025	-2.5 to 2.5	Pass
				-20	3.85	-8.984	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-20.599	-0.0082	-2.5 to 2.5	Pass
				0	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-4.935	-0.0020	-2.5 to 2.5	Pass

	2600	75	0	30	3.85	-6.108	-0.0024	-2.5 to 2.5	Pass				
				40	3.85	-9.127	-0.0036	-2.5 to 2.5	Pass				
				50	3.85	-7.939	-0.0032	-2.5 to 2.5	Pass				
				20	3.27	-16.837	-0.0065	-2.5 to 2.5	Pass				
					3.85	5.608	0.0022	-2.5 to 2.5	Pass				
					4.43	1.731	0.0007	-2.5 to 2.5	Pass				
				-30	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass				
				-20	3.85	4.950	0.0019	-2.5 to 2.5	Pass				
				-10	3.85	4.907	0.0019	-2.5 to 2.5	Pass				
				0	3.85	4.206	0.0016	-2.5 to 2.5	Pass				
				10	3.85	0.000	0.0000	-2.5 to 2.5	Pass				
				30	3.85	1.960	0.0008	-2.5 to 2.5	Pass				
				40	3.85	3.376	0.0013	-2.5 to 2.5	Pass				
				50	3.85	1.245	0.0005	-2.5 to 2.5	Pass				
				2647.5	75	0	20	3.27	-9.785	-0.0036	-2.5 to 2.5	Pass	
	3.85	5.264	0.0020					-2.5 to 2.5	Pass				
	4.43	7.124	0.0027					-2.5 to 2.5	Pass				
	-30	3.85	-3.562				-0.0013	-2.5 to 2.5	Pass				
	-20	3.85	3.891				0.0015	-2.5 to 2.5	Pass				
	-10	3.85	4.334				0.0016	-2.5 to 2.5	Pass				
	0	3.85	1.388				0.0005	-2.5 to 2.5	Pass				
	10	3.85	8.211				0.0031	-2.5 to 2.5	Pass				
	30	3.85	6.280				0.0023	-2.5 to 2.5	Pass				
	40	3.85	6.480				0.0024	-2.5 to 2.5	Pass				
	50	3.85	7.339				0.0027	-2.5 to 2.5	Pass				
	16QAM	2552.5	75				0	20	3.27	16.251	0.0065	-2.5 to 2.5	Pass
									3.85	-7.567	-0.0030	-2.5 to 2.5	Pass
									4.43	-1.817	-0.0007	-2.5 to 2.5	Pass
								-30	3.85	-7.997	-0.0032	-2.5 to 2.5	Pass
				-20	3.85	-7.496		-0.0030	-2.5 to 2.5	Pass			
				-10	3.85	0.701		0.0003	-2.5 to 2.5	Pass			
				0	3.85	-1.674		-0.0007	-2.5 to 2.5	Pass			
				10	3.85	-5.779		-0.0023	-2.5 to 2.5	Pass			
30				3.85	-9.956	-0.0040		-2.5 to 2.5	Pass				
40				3.85	-5.078	-0.0020		-2.5 to 2.5	Pass				
50				3.85	-12.717	-0.0051		-2.5 to 2.5	Pass				
2600				75	0	20		3.27	3.805	0.0015	-2.5 to 2.5	Pass	
								3.85	5.579	0.0022	-2.5 to 2.5	Pass	
								4.43	5.794	0.0022	-2.5 to 2.5	Pass	
						-30		3.85	3.519	0.0014	-2.5 to 2.5	Pass	
		-20	3.85			4.778	0.0018	-2.5 to 2.5	Pass				
		-10	3.85			-2.174	-0.0008	-2.5 to 2.5	Pass				
		0	3.85			1.402	0.0005	-2.5 to 2.5	Pass				
		10	3.85			5.078	0.0020	-2.5 to 2.5	Pass				
		30	3.85			3.419	0.0013	-2.5 to 2.5	Pass				
		40	3.85			4.349	0.0017	-2.5 to 2.5	Pass				
		50	3.85			0.458	0.0002	-2.5 to 2.5	Pass				
		2647.5	75			0	20	3.27	4.835	0.0018	-2.5 to 2.5	Pass	
								3.85	6.824	0.0025	-2.5 to 2.5	Pass	
								4.43	2.675	0.0010	-2.5 to 2.5	Pass	
							-30	3.85	-2.003	-0.0007	-2.5 to 2.5	Pass	
-20				3.85	6.580		0.0025	-2.5 to 2.5	Pass				
-10				3.85	6.437		0.0024	-2.5 to 2.5	Pass				
0				3.85	3.133		0.0012	-2.5 to 2.5	Pass				
10				3.85	1.245		0.0005	-2.5 to 2.5	Pass				

				30	3.85	-0.701	-0.0003	-2.5 to 2.5	Pass
				40	3.85	2.375	0.0009	-2.5 to 2.5	Pass
				50	3.85	5.651	0.0021	-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	2555	100	0	20	3.27	-8.698	-0.0035	-2.5 to 2.5	Pass	
					3.85	-2.074	-0.0008	-2.5 to 2.5	Pass	
					4.43	-7.825	-0.0031	-2.5 to 2.5	Pass	
				-30	3.85	-8.512	-0.0034	-2.5 to 2.5	Pass	
					-20	3.85	-2.332	-0.0009	-2.5 to 2.5	Pass
						-10	3.85	-3.061	-0.0012	-2.5 to 2.5
				0	3.85	-7.696	-0.0031	-2.5 to 2.5	Pass	
					10	3.85	-3.190	-0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.849	-0.0019	-2.5 to 2.5	Pass	
	40	3.85	-5.693	-0.0023	-2.5 to 2.5	Pass				
	50	3.85	-2.775	-0.0011	-2.5 to 2.5	Pass				
	2600	100	0	20	3.27	-12.002	-0.0046	-2.5 to 2.5	Pass	
					3.85	1.187	0.0005	-2.5 to 2.5	Pass	
					4.43	4.878	0.0019	-2.5 to 2.5	Pass	
				-30	3.85	2.489	0.0010	-2.5 to 2.5	Pass	
					-20	3.85	-3.591	-0.0014	-2.5 to 2.5	Pass
						-10	3.85	0.901	0.0003	-2.5 to 2.5
				0	3.85	7.539	0.0029	-2.5 to 2.5	Pass	
					10	3.85	4.063	0.0016	-2.5 to 2.5	Pass
				30	3.85	2.418	0.0009	-2.5 to 2.5	Pass	
	40	3.85	2.003	0.0008	-2.5 to 2.5	Pass				
	50	3.85	3.462	0.0013	-2.5 to 2.5	Pass				
	2645	100	0	20	3.27	-7.138	-0.0027	-2.5 to 2.5	Pass	
					3.85	0.215	0.0001	-2.5 to 2.5	Pass	
					4.43	6.008	0.0022	-2.5 to 2.5	Pass	
				-30	3.85	-3.033	-0.0011	-2.5 to 2.5	Pass	
					-20	3.85	3.190	0.0012	-2.5 to 2.5	Pass
-10						3.85	-1.016	-0.0004	-2.5 to 2.5	Pass
0				3.85	6.924	0.0026	-2.5 to 2.5	Pass		
				10	3.85	3.705	0.0014	-2.5 to 2.5	Pass	
30				3.85	0.830	0.0003	-2.5 to 2.5	Pass		
40	3.85	3.719	0.0014	-2.5 to 2.5	Pass					
50	3.85	2.818	0.0011	-2.5 to 2.5	Pass					
16QAM	2555	100	0	20	3.27	-1.388	-0.0006	-2.5 to 2.5	Pass	
					3.85	-0.687	-0.0003	-2.5 to 2.5	Pass	
					4.43	-10.557	-0.0042	-2.5 to 2.5	Pass	
				-30	3.85	-5.565	-0.0022	-2.5 to 2.5	Pass	
					-20	3.85	-2.403	-0.0010	-2.5 to 2.5	Pass
				-10		3.85	-1.287	-0.0005	-2.5 to 2.5	Pass
				0	3.85	-6.781	-0.0027	-2.5 to 2.5	Pass	
10	3.85	-6.924	-0.0028	-2.5 to 2.5	Pass					

	2600	100	0	30	3.85	-0.243	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-10.014	-0.0040	-2.5 to 2.5	Pass
				50	3.85	-2.375	-0.0009	-2.5 to 2.5	Pass
				20	3.27	-5.250	-0.0020	-2.5 to 2.5	Pass
					3.85	-2.646	-0.0010	-2.5 to 2.5	Pass
					4.43	3.705	0.0014	-2.5 to 2.5	Pass
				-30	3.85	2.460	0.0009	-2.5 to 2.5	Pass
				-20	3.85	3.719	0.0014	-2.5 to 2.5	Pass
				-10	3.85	-0.429	-0.0002	-2.5 to 2.5	Pass
				0	3.85	5.035	0.0019	-2.5 to 2.5	Pass
				10	3.85	-7.410	-0.0029	-2.5 to 2.5	Pass
				30	3.85	4.549	0.0018	-2.5 to 2.5	Pass
	40	3.85	0.501	0.0002	-2.5 to 2.5	Pass			
	50	3.85	0.715	0.0003	-2.5 to 2.5	Pass			
	2645	100	0	20	3.27	3.333	0.0012	-2.5 to 2.5	Pass
					3.85	6.022	0.0022	-2.5 to 2.5	Pass
					4.43	3.762	0.0014	-2.5 to 2.5	Pass
				-30	3.85	3.762	0.0014	-2.5 to 2.5	Pass
				-20	3.85	-8.783	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	0.558	0.0002	-2.5 to 2.5	Pass
				0	3.85	2.818	0.0011	-2.5 to 2.5	Pass
				10	3.85	6.981	0.0026	-2.5 to 2.5	Pass
				30	3.85	4.578	0.0017	-2.5 to 2.5	Pass
				40	3.85	-5.322	-0.0020	-2.5 to 2.5	Pass
50				3.85	4.692	0.0018	-2.5 to 2.5	Pass	

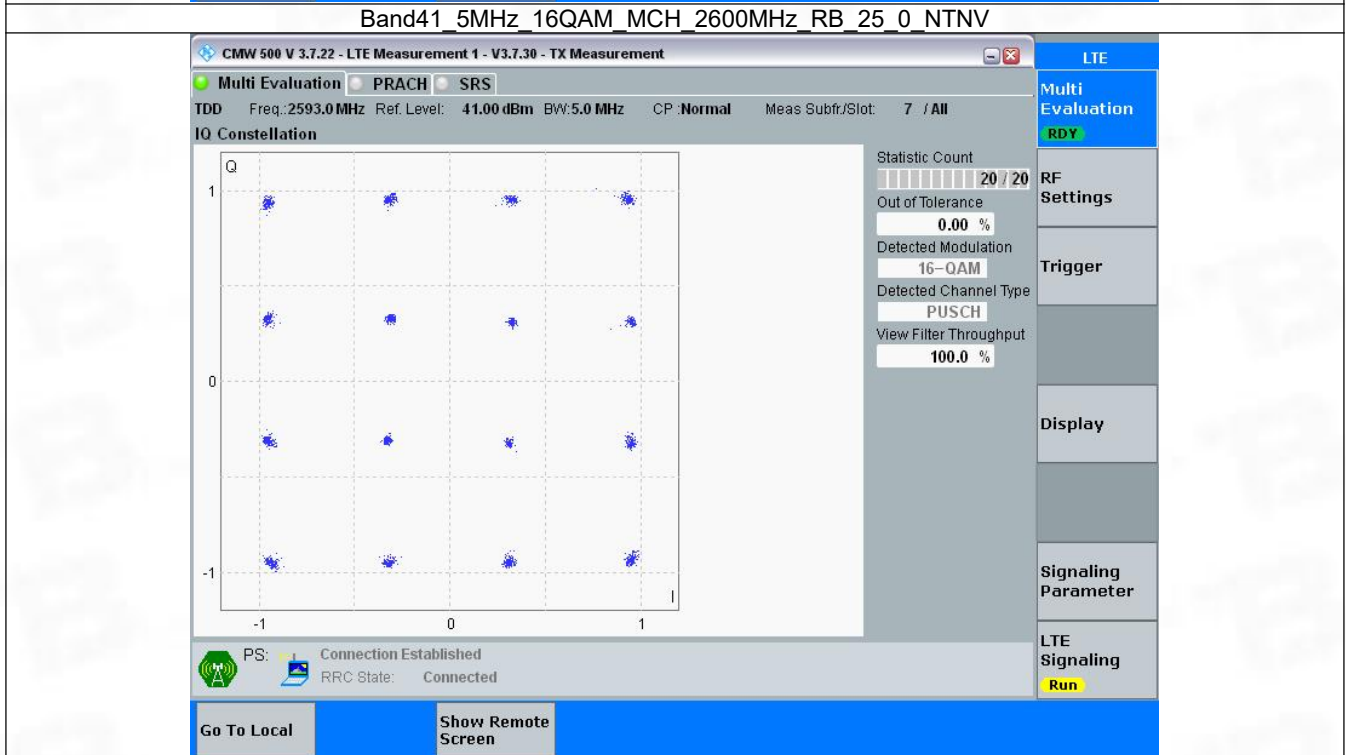
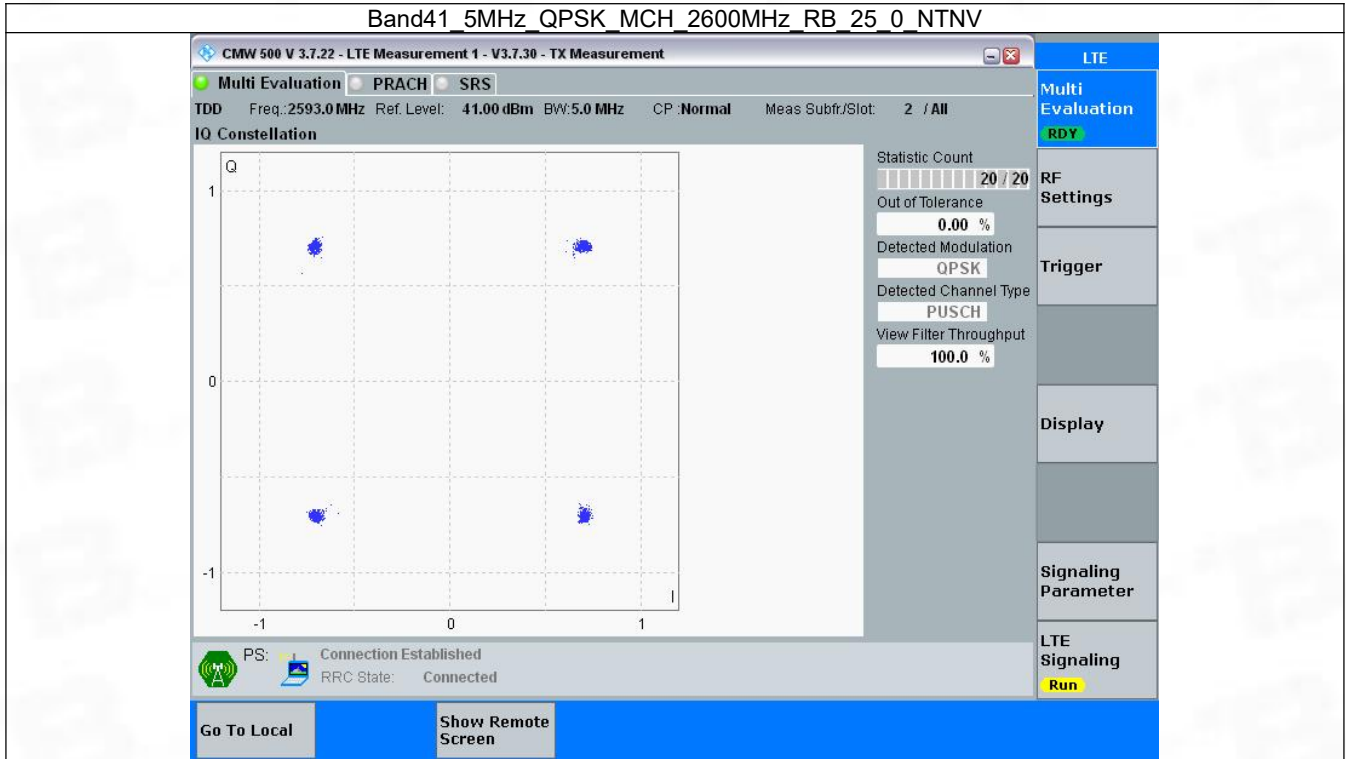
3. Modulation Characteristics

3.1 B41_5MHz

3.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2600	25	0	Refer To Test Graph		Pass
16QAM	2600	25	0	Refer To Test Graph		Pass

3.1.2 Test Graph

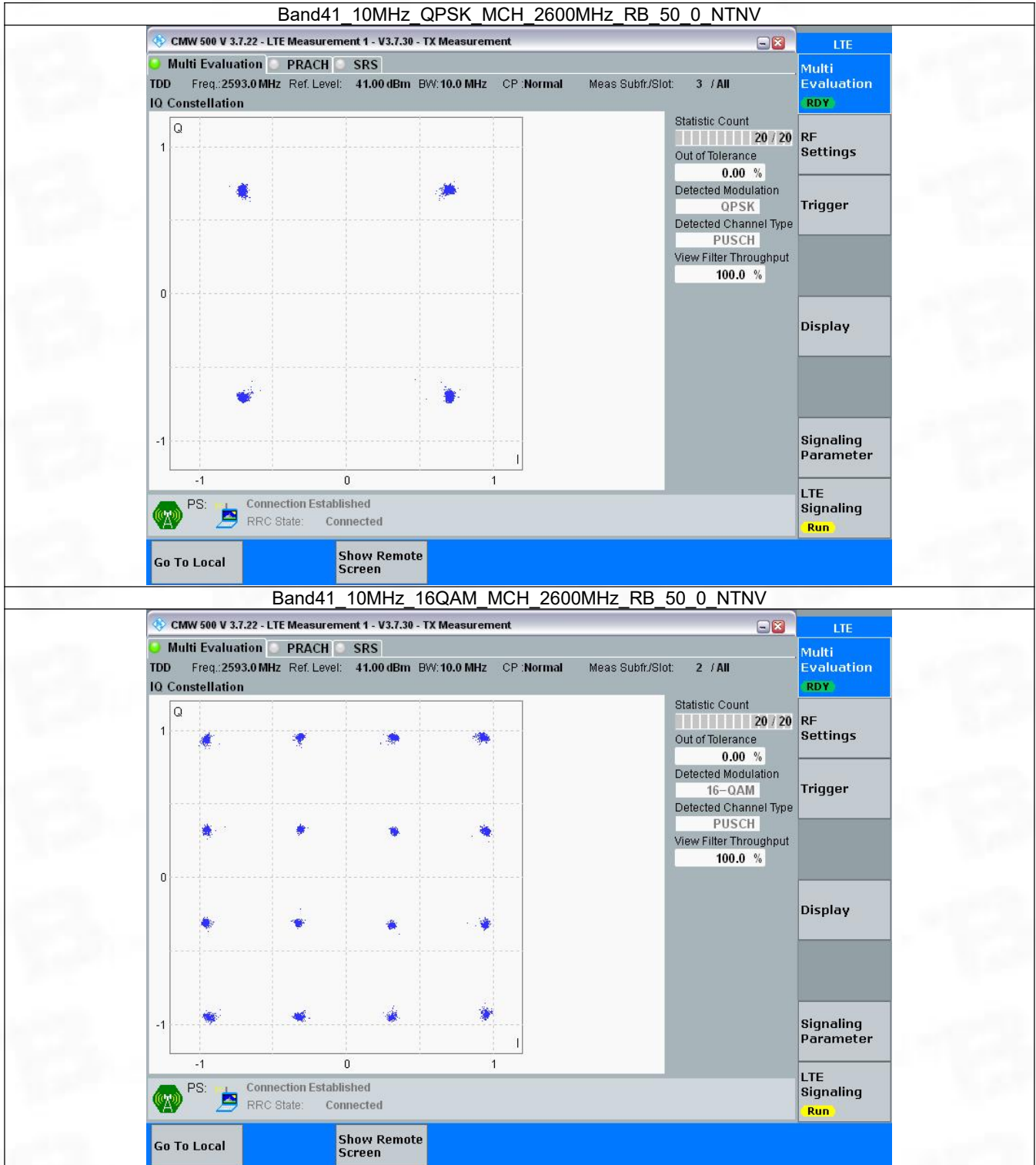


3.2 B41_10MHz

3.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2600	50	0	Refer To Test Graph		Pass
16QAM	2600	50	0	Refer To Test Graph		Pass

3.2.2 Test Graph

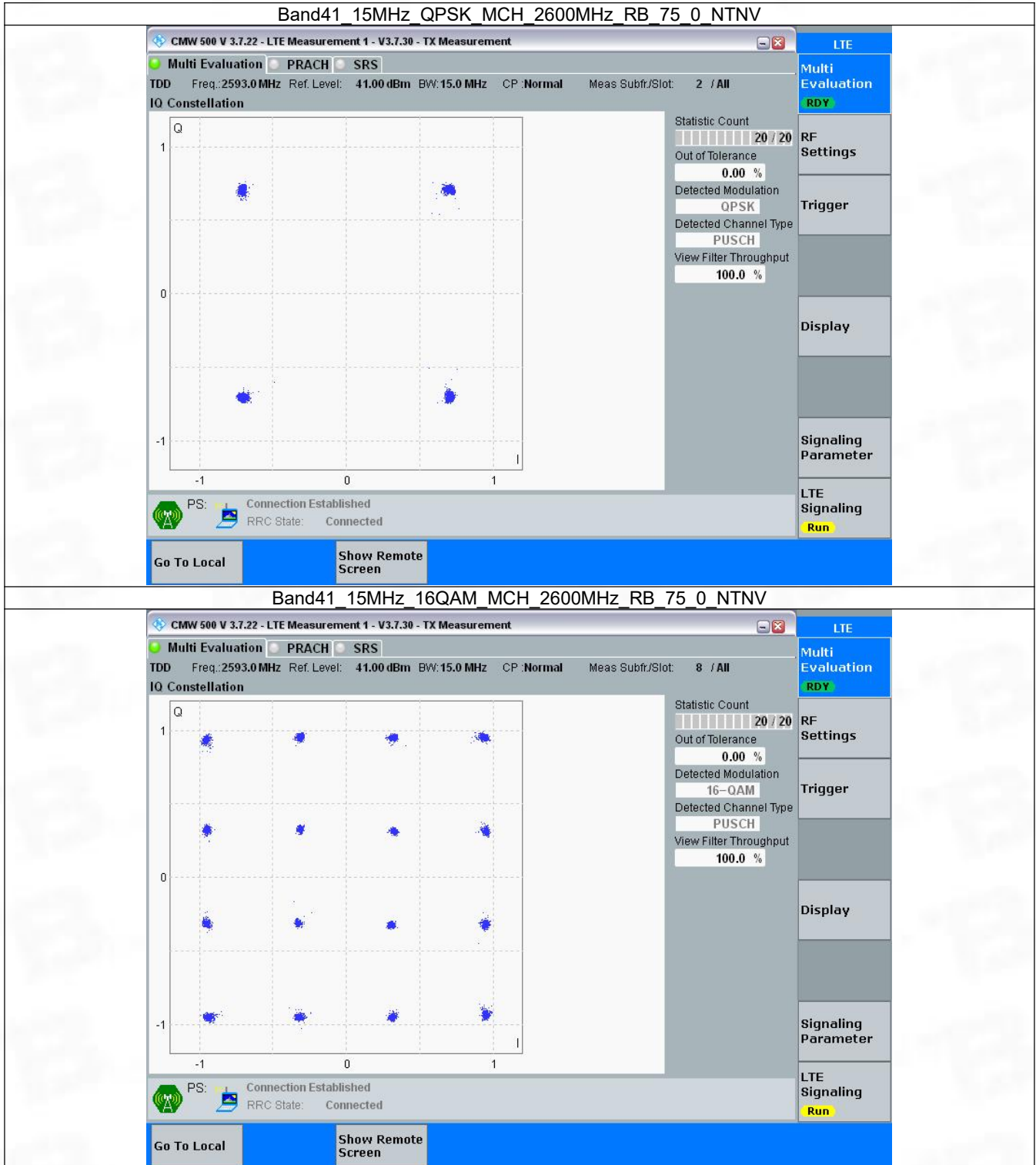


3.3 B41_15MHz

3.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2600	75	0	Refer To Test Graph		Pass
16QAM	2600	75	0	Refer To Test Graph		Pass

3.3.2 Test Graph

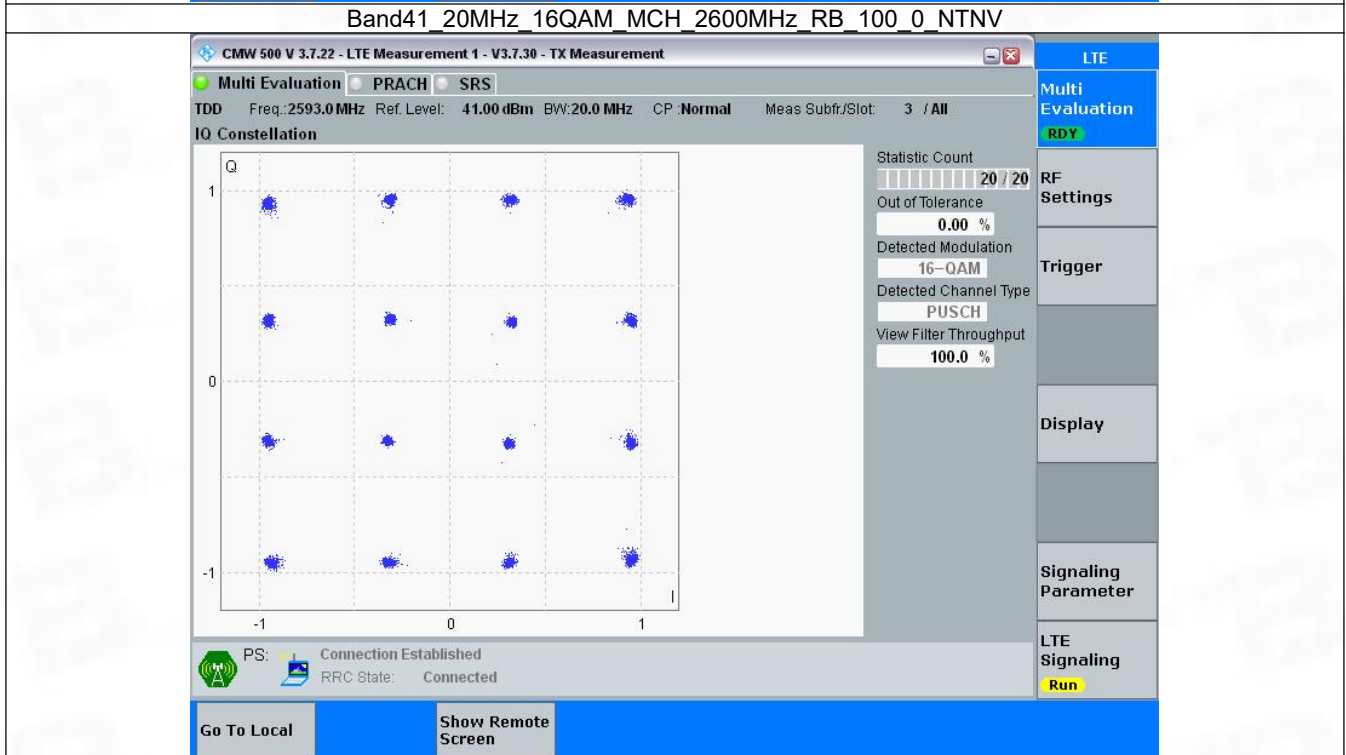
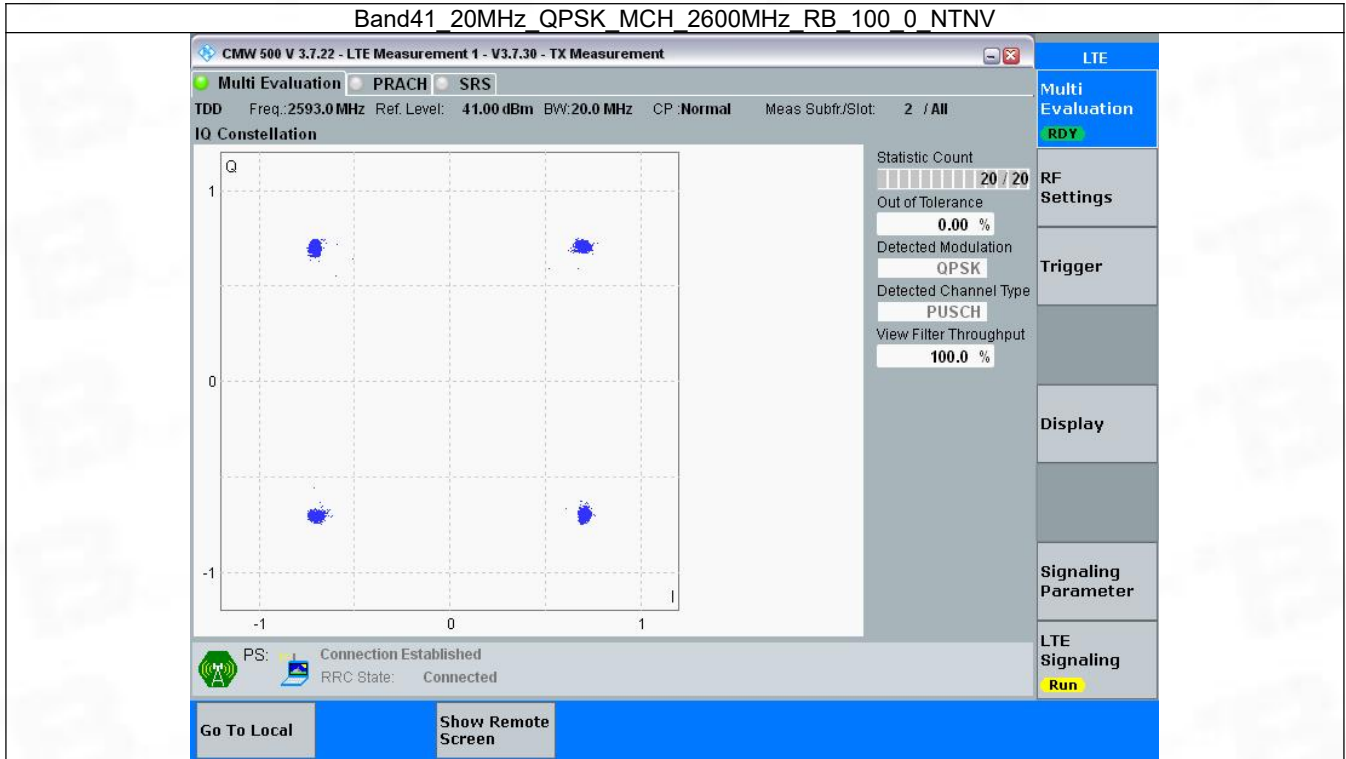


3.4 B41_20MHz

3.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2600	100	0	Refer To Test Graph		Pass
16QAM	2600	100	0	Refer To Test Graph		Pass

3.4.2 Test Graph



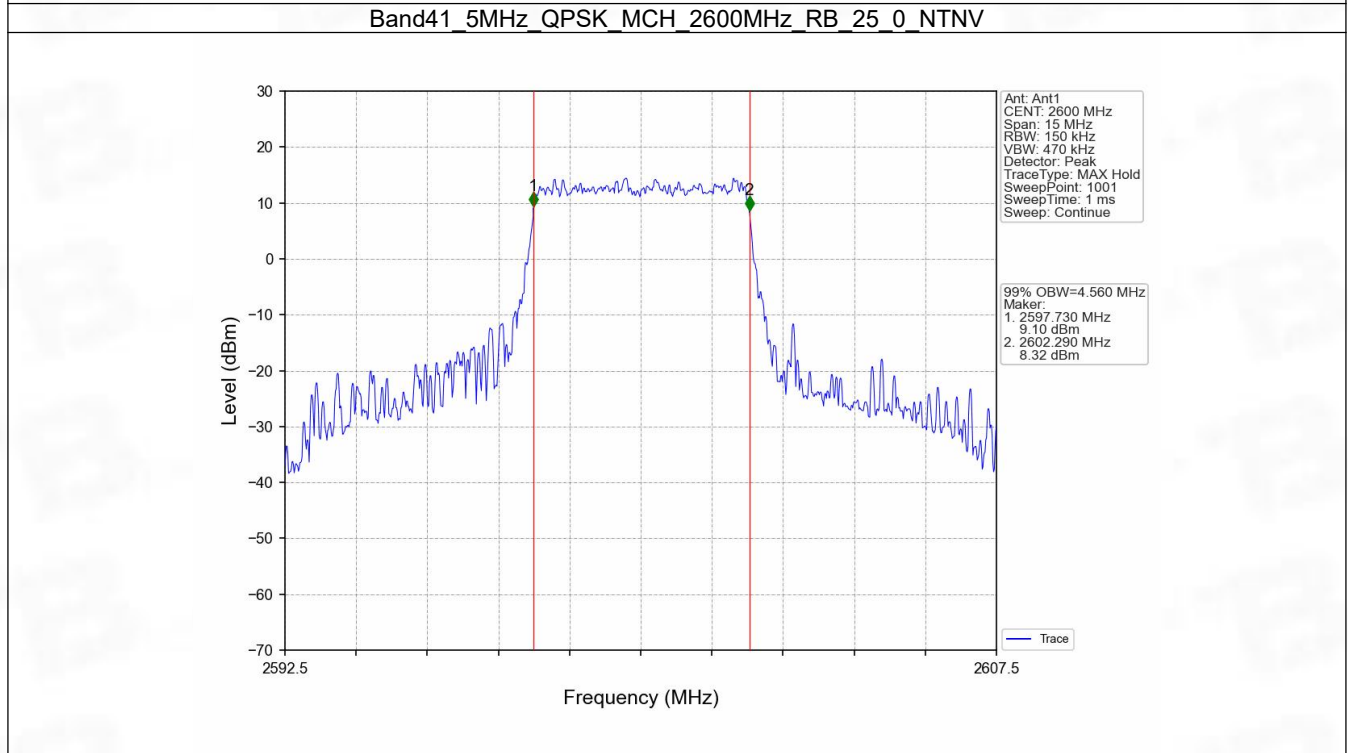
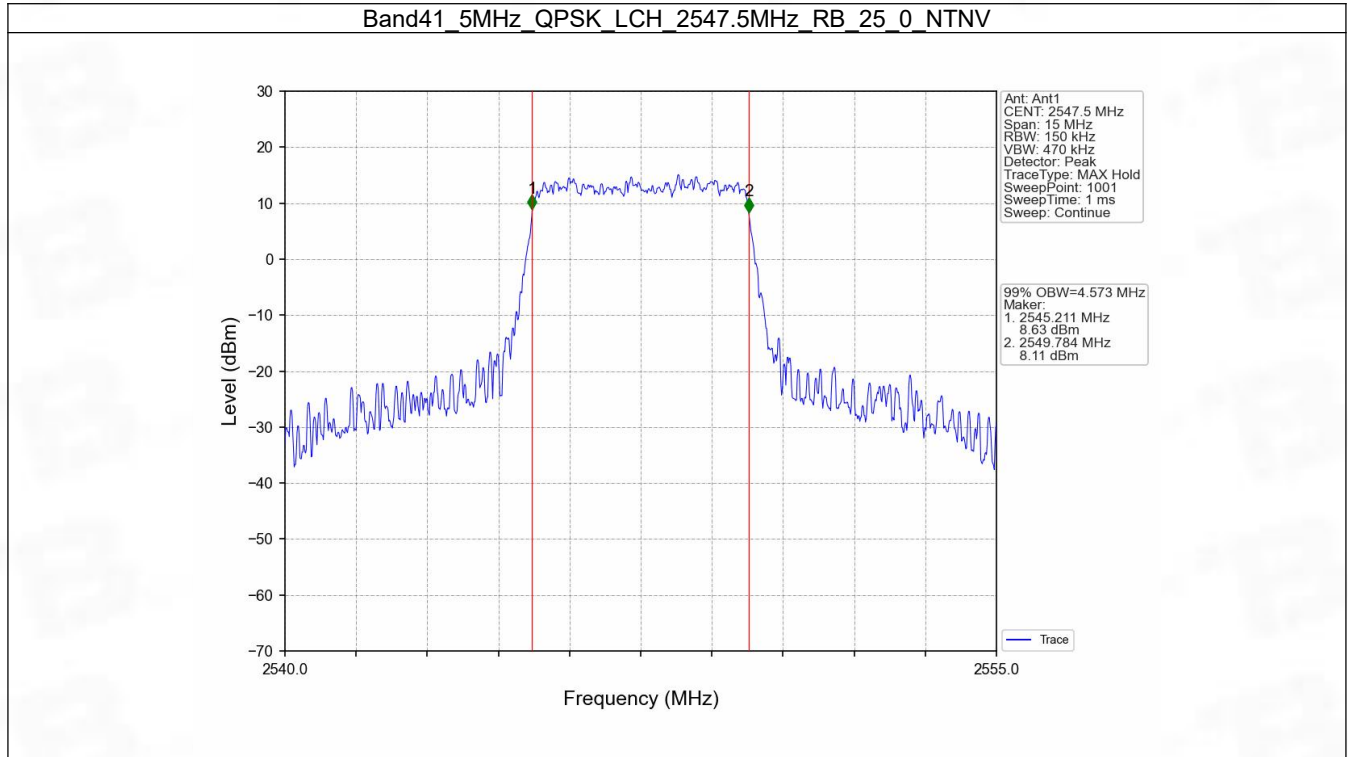
4. 99% & 26dB Bandwidth

4.1 Band41_OBW

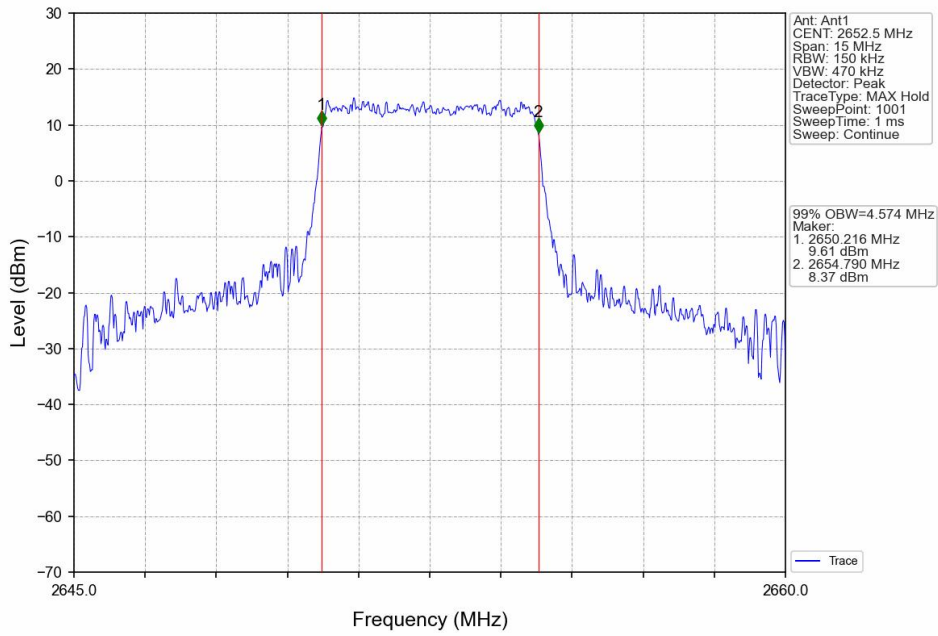
4.1.1 Test Result

Band: 41 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2547.5	25	0	4.573	Pass
		2600	25	0	4.560	Pass
		2652.5	25	0	4.574	Pass
	16QAM	2547.5	25	0	4.566	Pass
		2600	25	0	4.563	Pass
		2652.5	25	0	4.614	Pass
10	QPSK	2550	50	0	9.106	Pass
		2600	50	0	9.079	Pass
		2650	50	0	9.093	Pass
	16QAM	2550	50	0	9.088	Pass
		2600	50	0	9.115	Pass
		2650	50	0	9.089	Pass
15	QPSK	2552.5	75	0	13.617	Pass
		2600	75	0	13.631	Pass
		2647.5	75	0	13.639	Pass
	16QAM	2552.5	75	0	13.639	Pass
		2600	75	0	13.676	Pass
		2647.5	75	0	13.677	Pass
20	QPSK	2555	100	0	18.090	Pass
		2600	100	0	18.109	Pass
		2645	100	0	18.166	Pass
	16QAM	2555	100	0	18.111	Pass
		2600	100	0	18.143	Pass
		2645	100	0	18.130	Pass

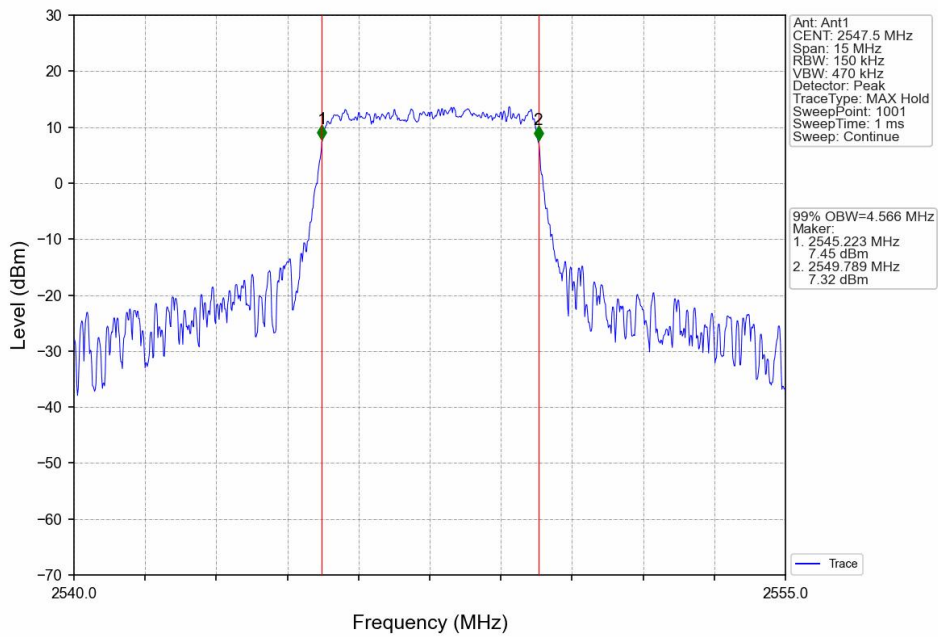
4.1.2 Test Graph



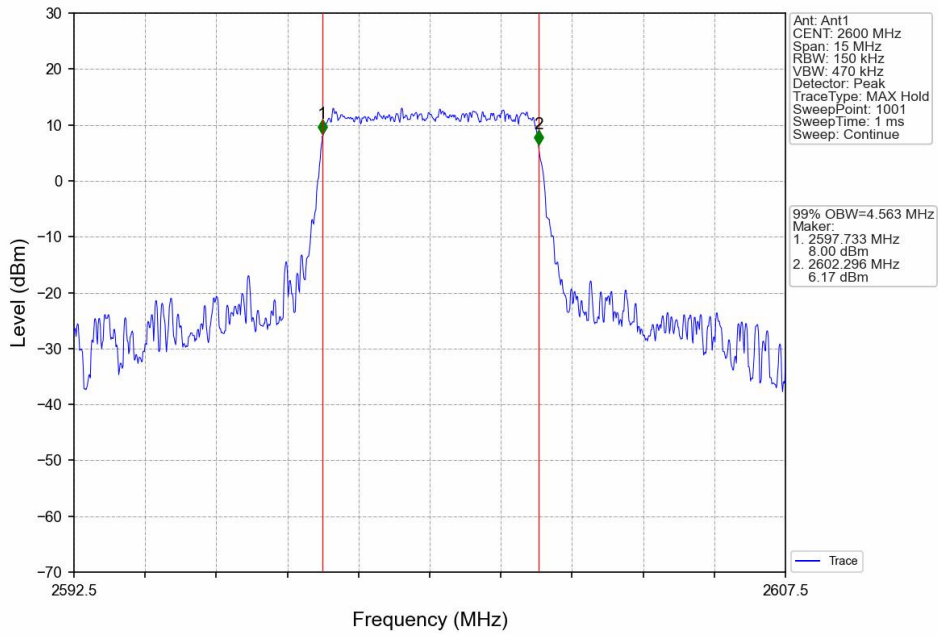
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



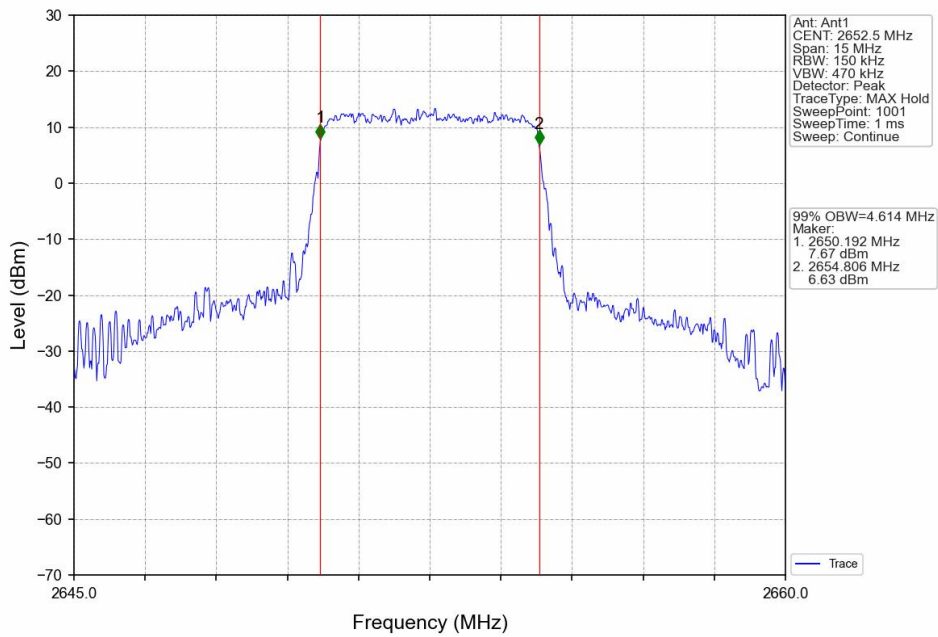
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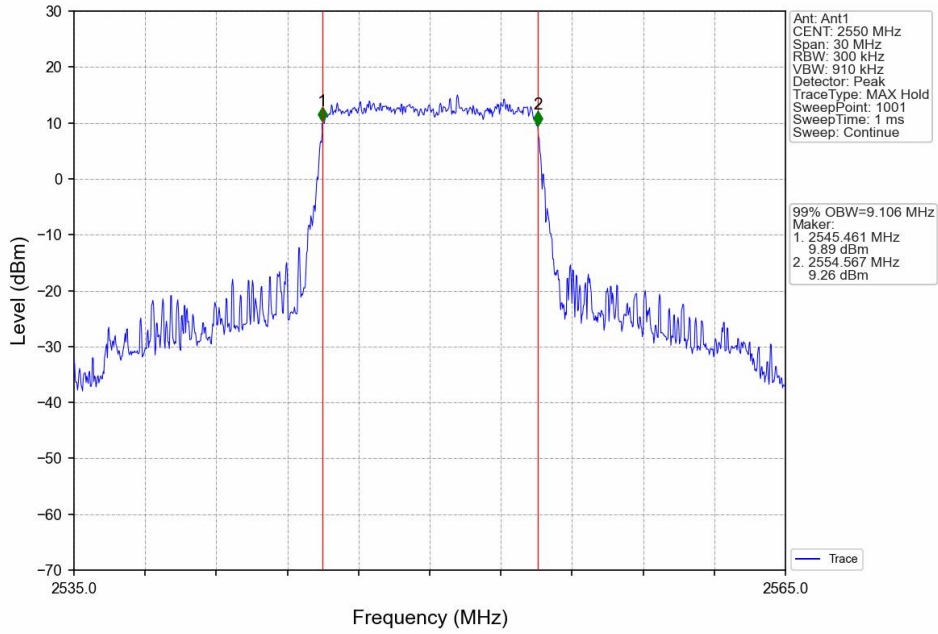
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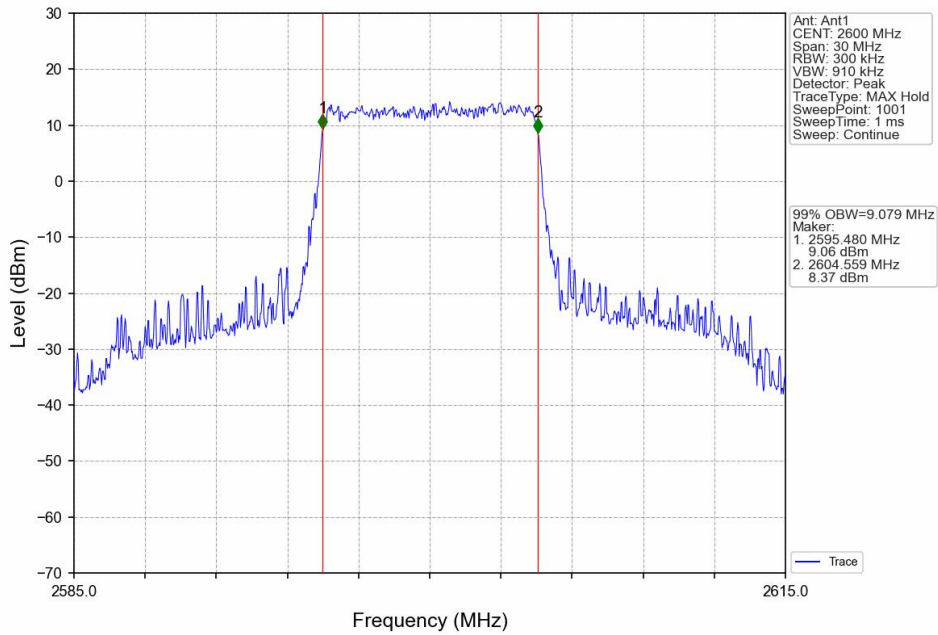
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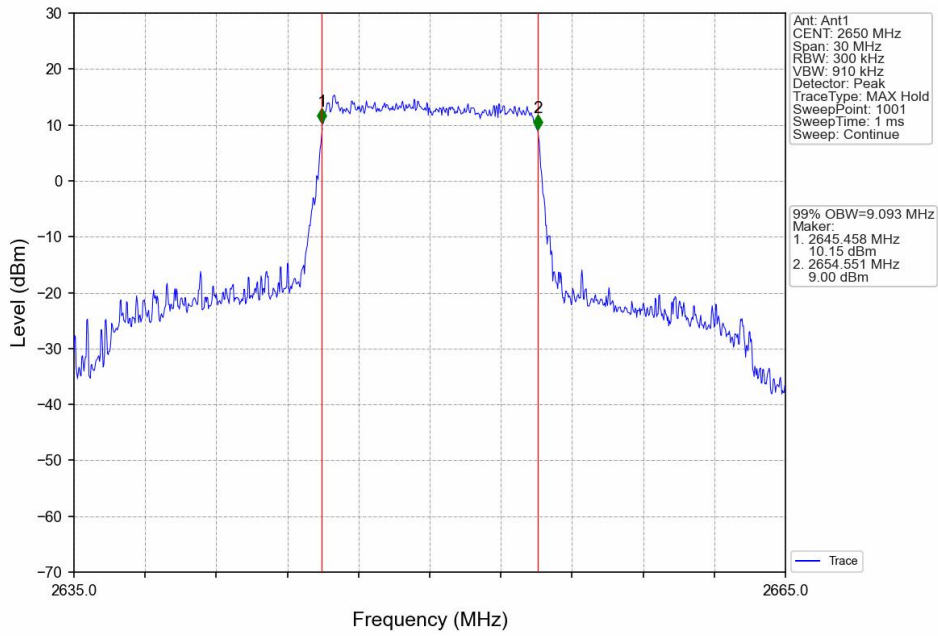
Band41_10MHz_QPSK_LCH_2550MHz_RB_50_0_NTNV



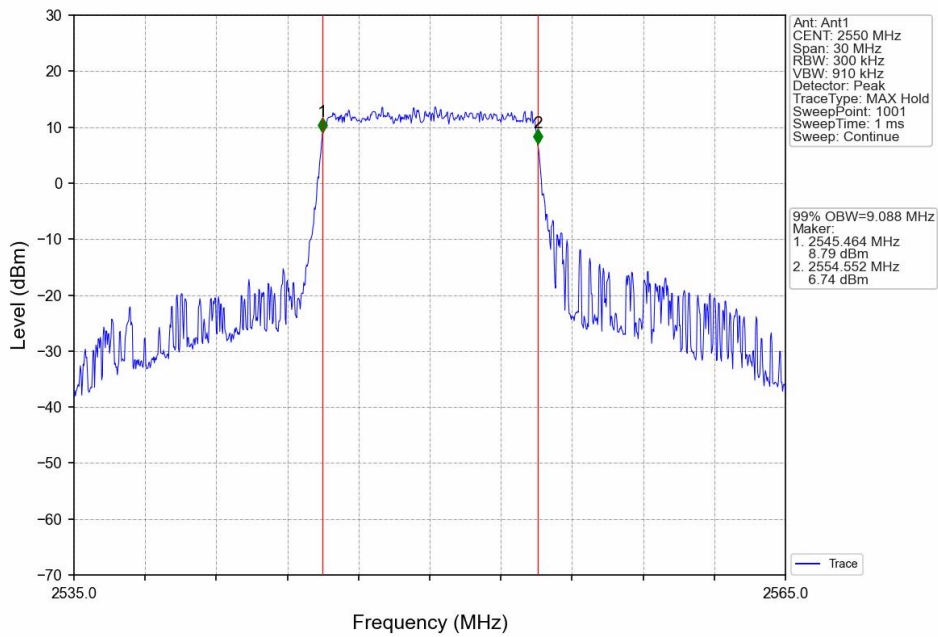
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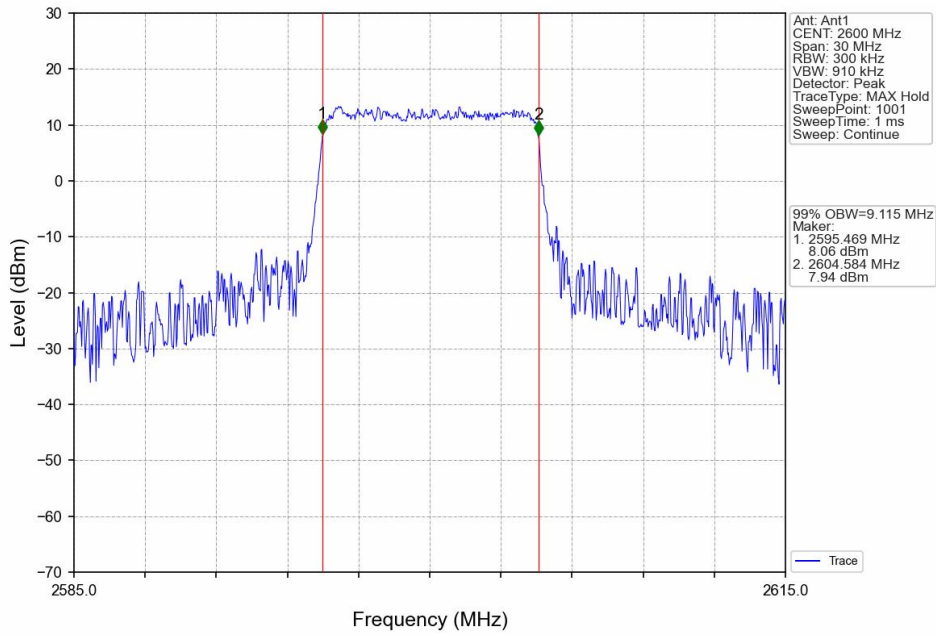
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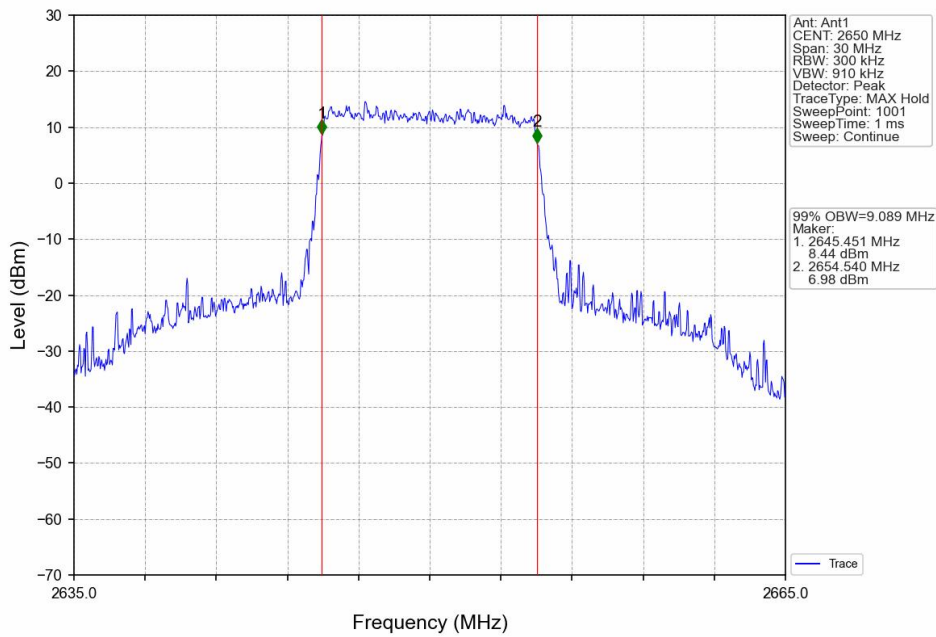
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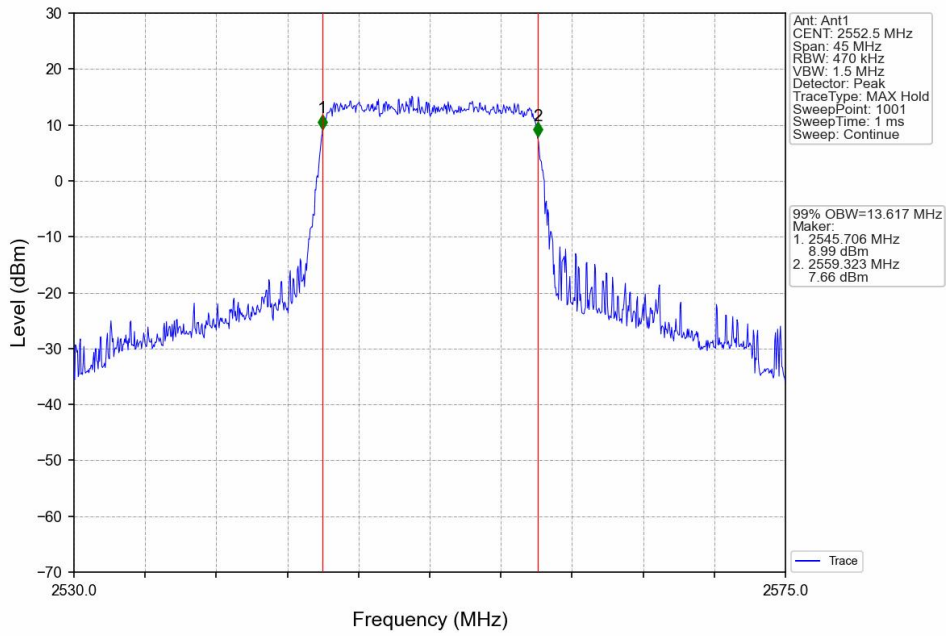
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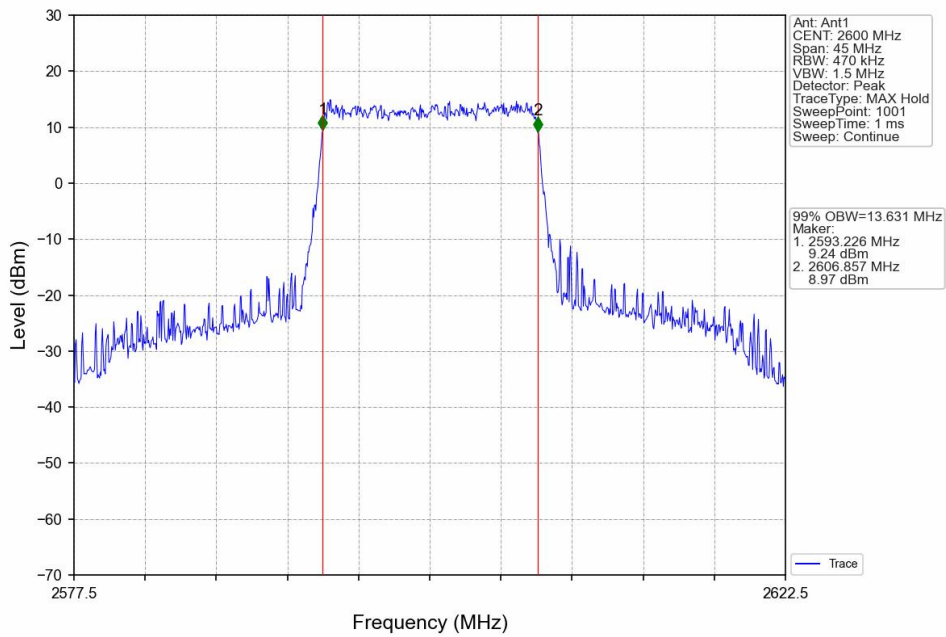
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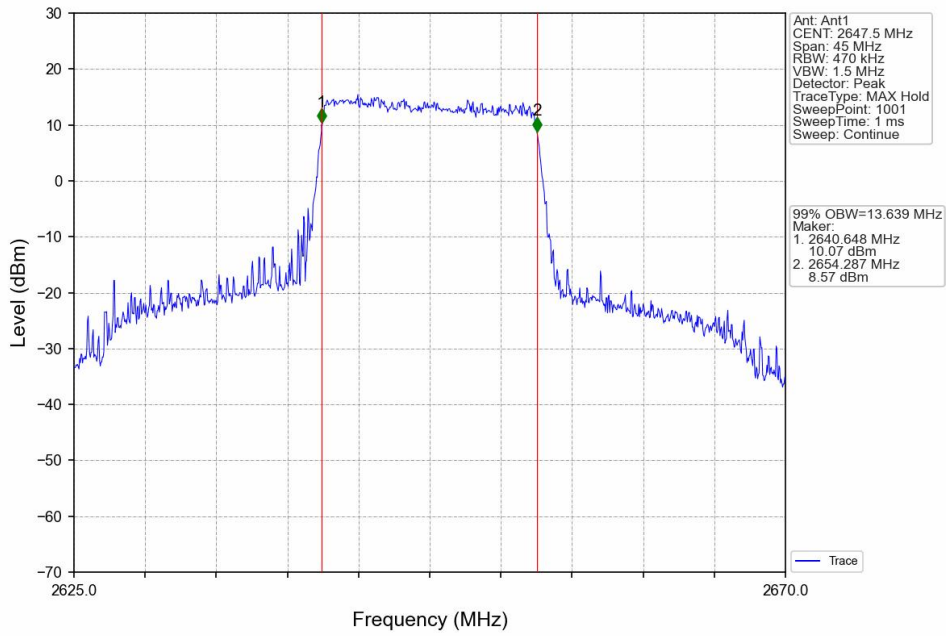
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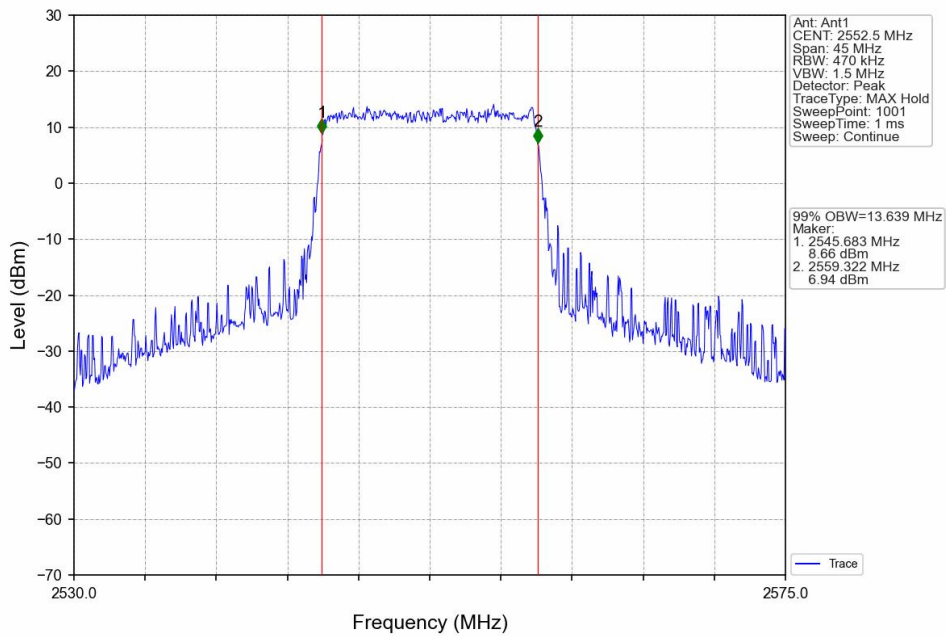
Band41_15MHz_QPSK_MCH_2600MHz_RB_75_0_NTNV



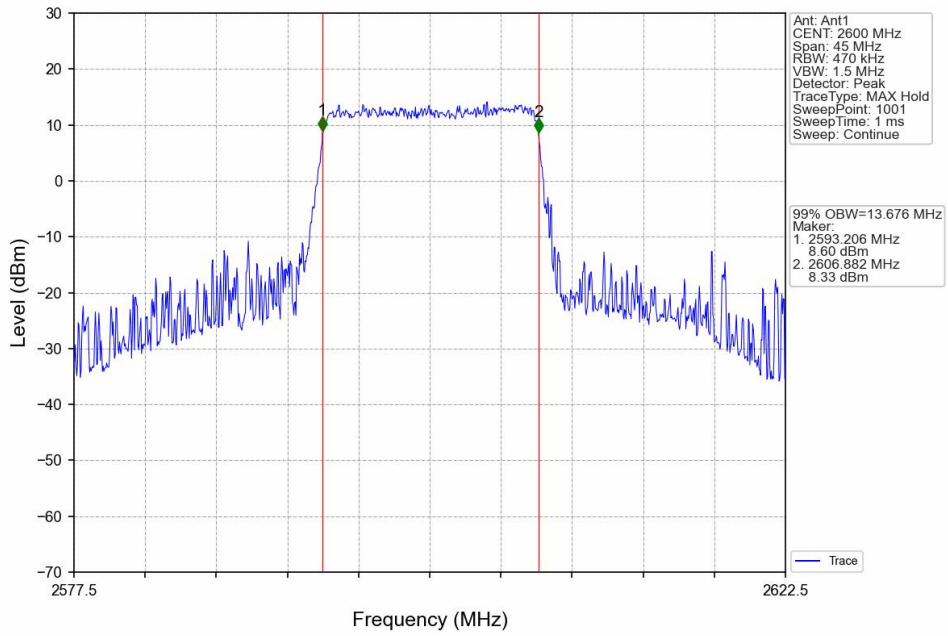
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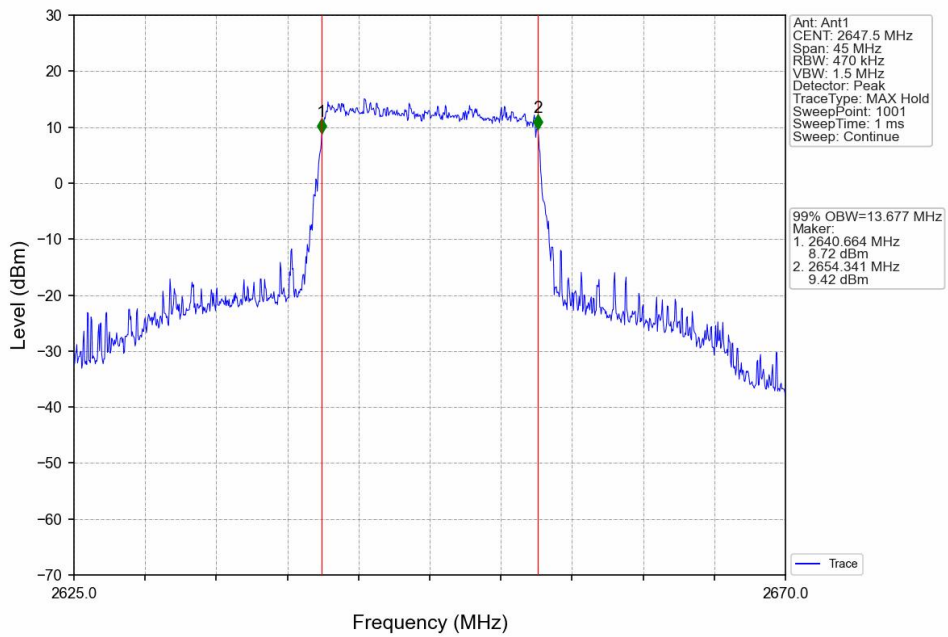
Band41_15MHz_16QAM_LCH_2552.5MHz_RB_75_0_NTNV



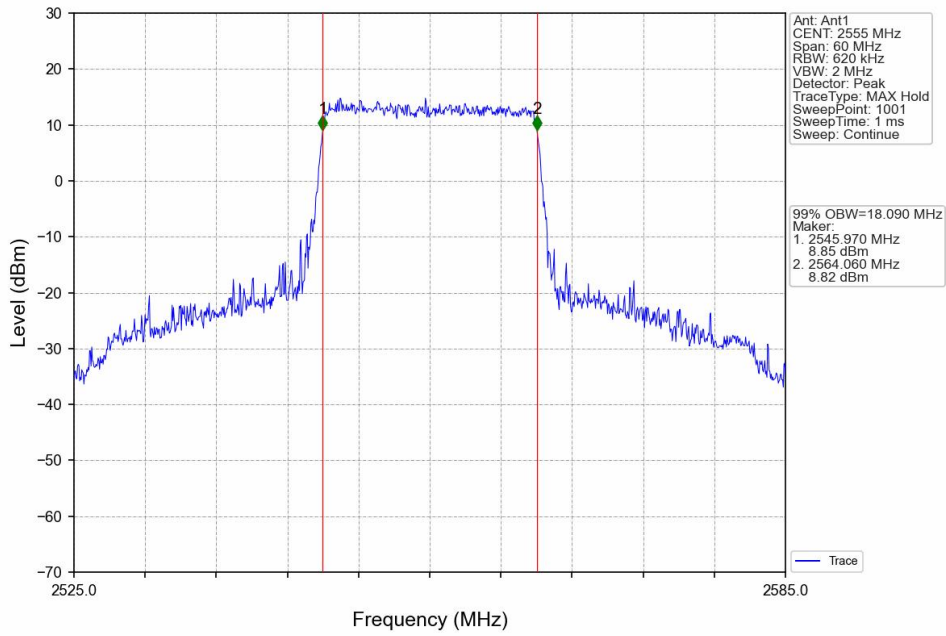
Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV



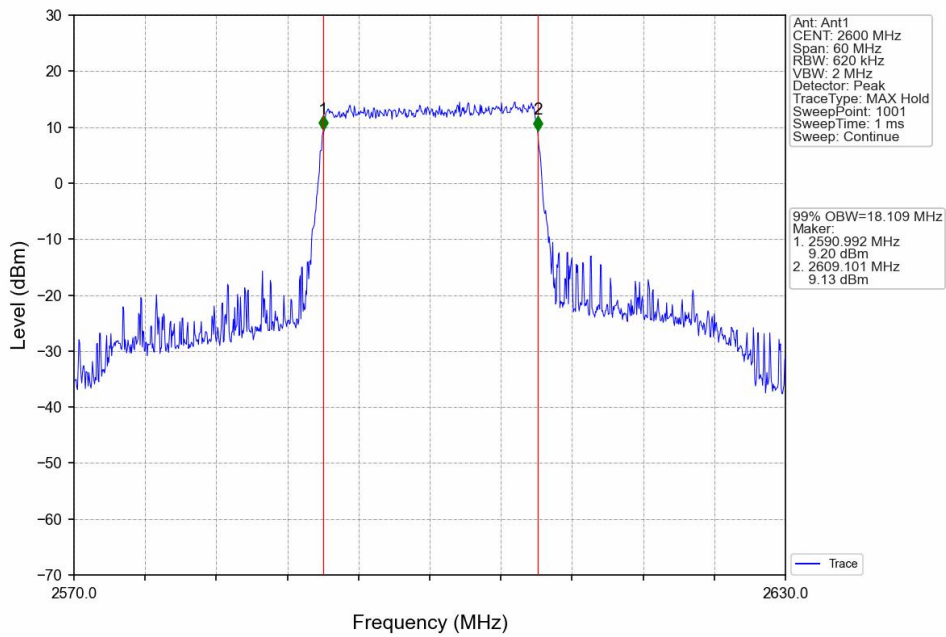
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



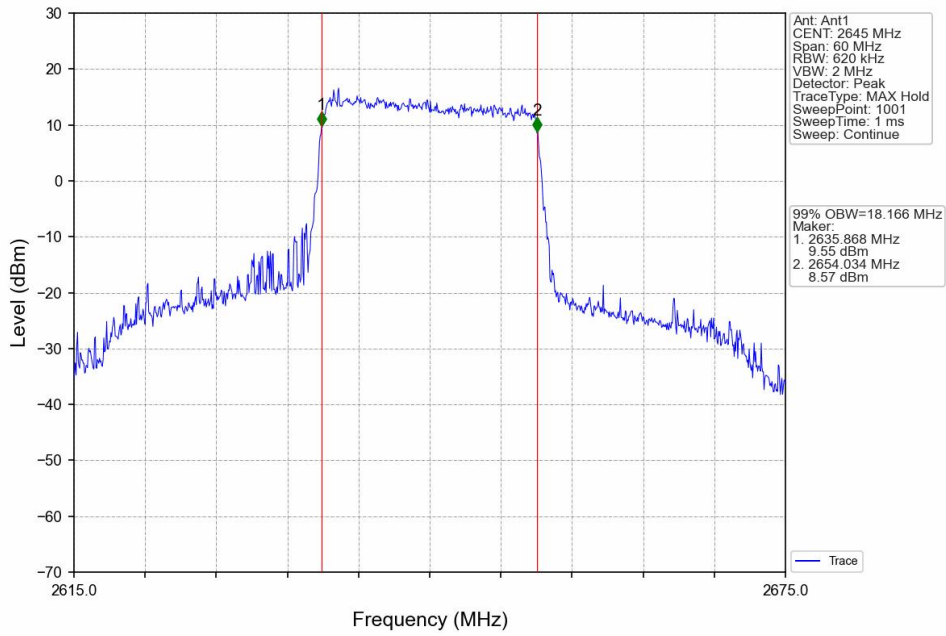
Band41_20MHz_QPSK_LCH_2555MHz_RB_100_0_NTNV



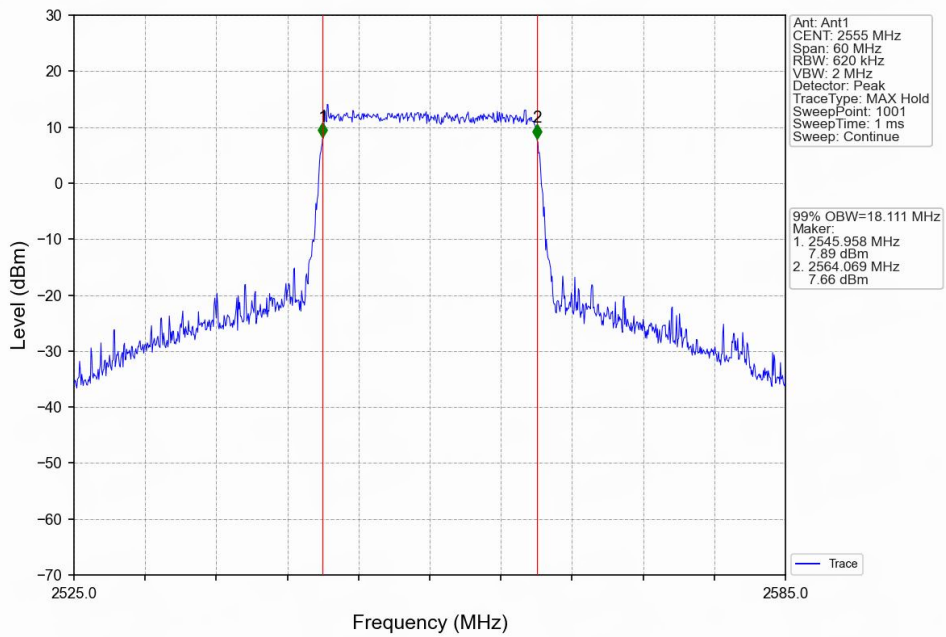
Band41_20MHz_QPSK_MCH_2600MHz_RB_100_0_NTNV



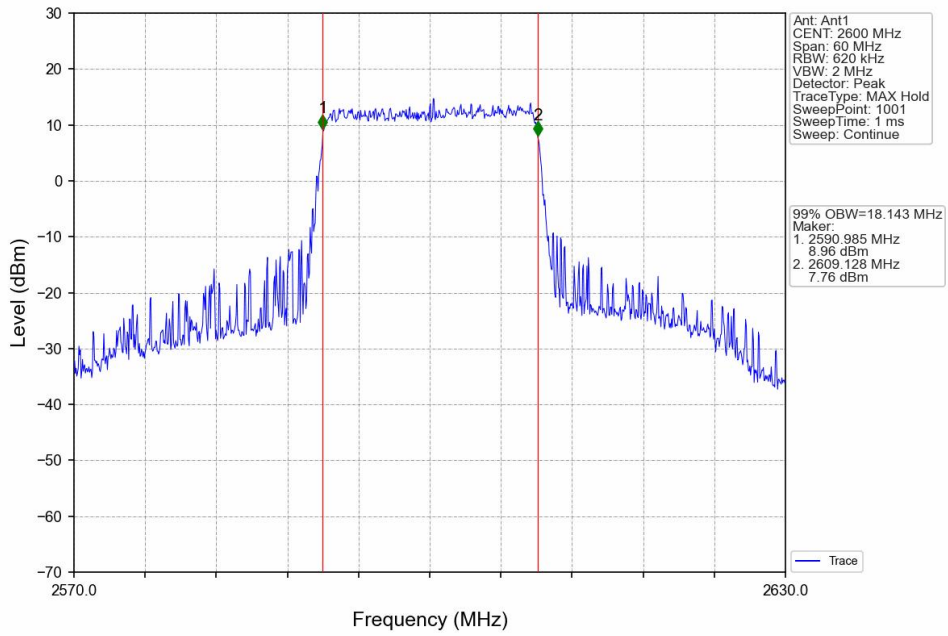
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



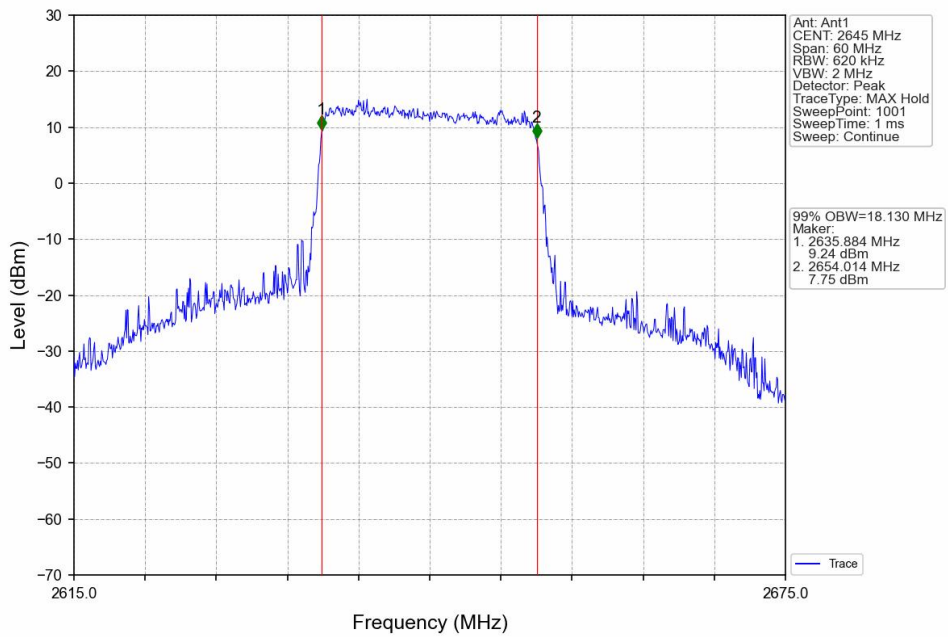
Band41_20MHz_16QAM_LCH_2555MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

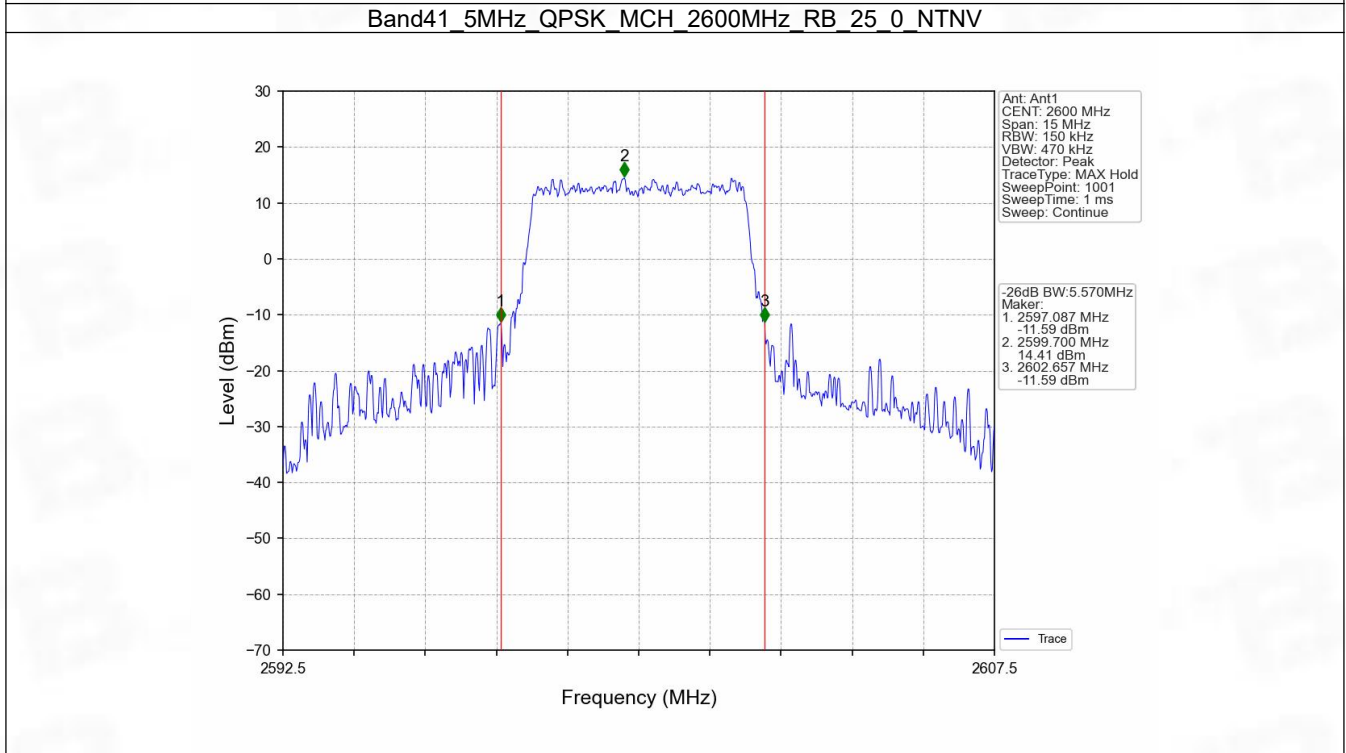
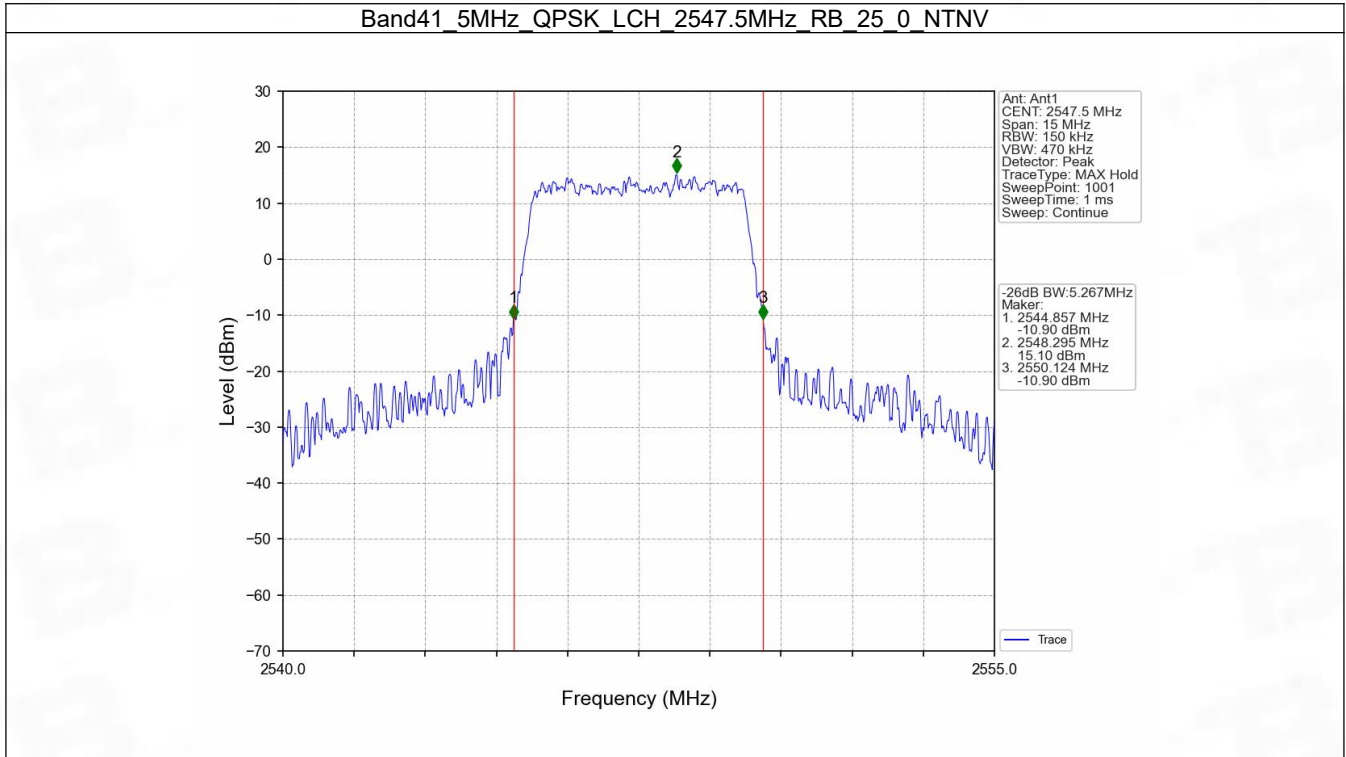


4.2 Band41_XDB

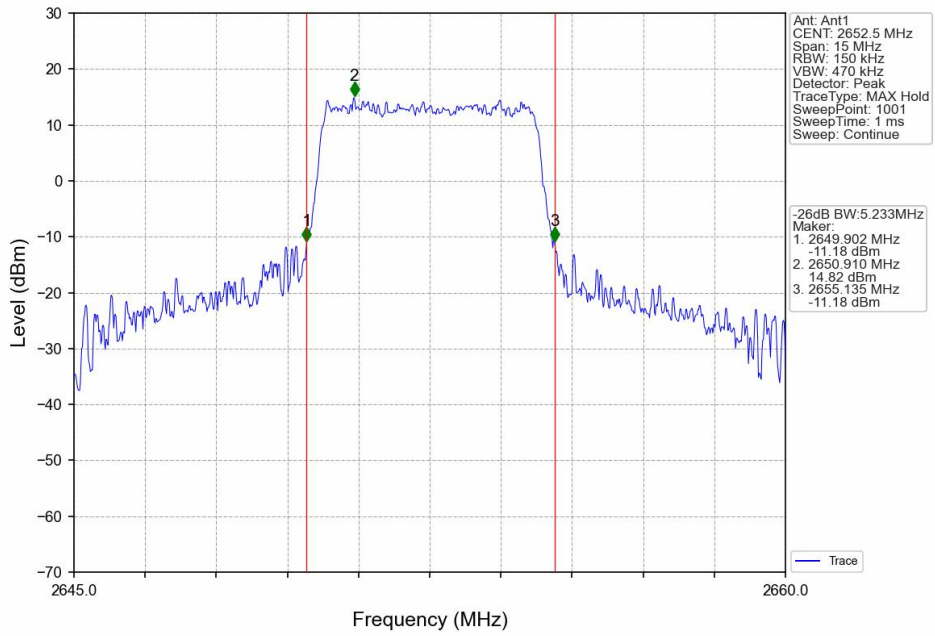
4.2.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2547.5	25	0	5.267	Pass
		2600	25	0	5.570	Pass
		2652.5	25	0	5.233	Pass
	16QAM	2547.5	25	0	5.298	Pass
		2600	25	0	5.175	Pass
		2652.5	25	0	5.577	Pass
10	QPSK	2550	50	0	10.311	Pass
		2600	50	0	10.190	Pass
		2650	50	0	10.221	Pass
	16QAM	2550	50	0	11.460	Pass
		2600	50	0	12.730	Pass
		2650	50	0	10.251	Pass
15	QPSK	2552.5	75	0	15.450	Pass
		2600	75	0	15.829	Pass
		2647.5	75	0	15.974	Pass
	16QAM	2552.5	75	0	16.703	Pass
		2600	75	0	19.392	Pass
		2647.5	75	0	15.175	Pass
20	QPSK	2555	100	0	20.829	Pass
		2600	100	0	20.379	Pass
		2645	100	0	20.655	Pass
	16QAM	2555	100	0	19.833	Pass
		2600	100	0	21.922	Pass
		2645	100	0	21.107	Pass

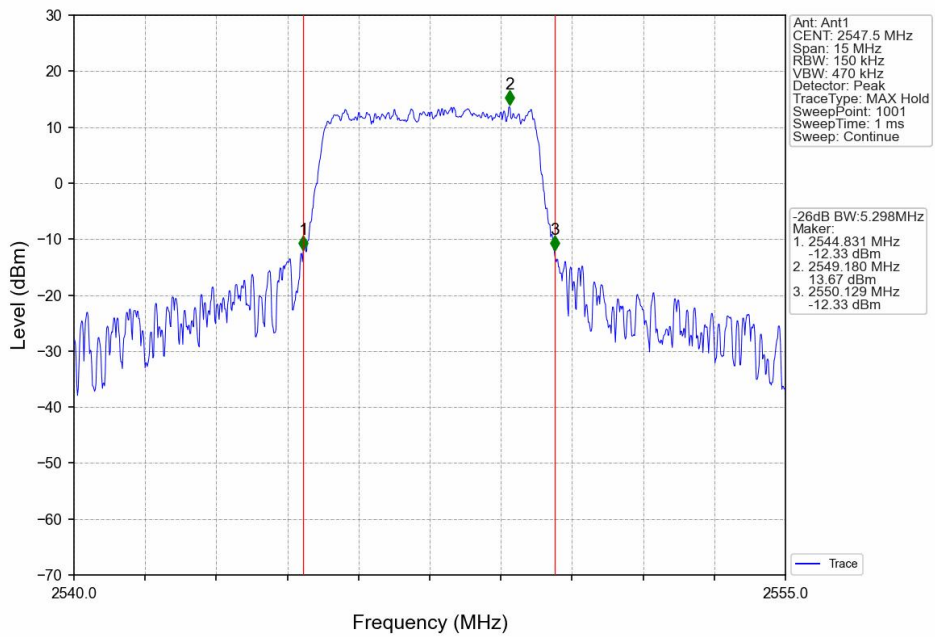
4.2.2 Test Graph



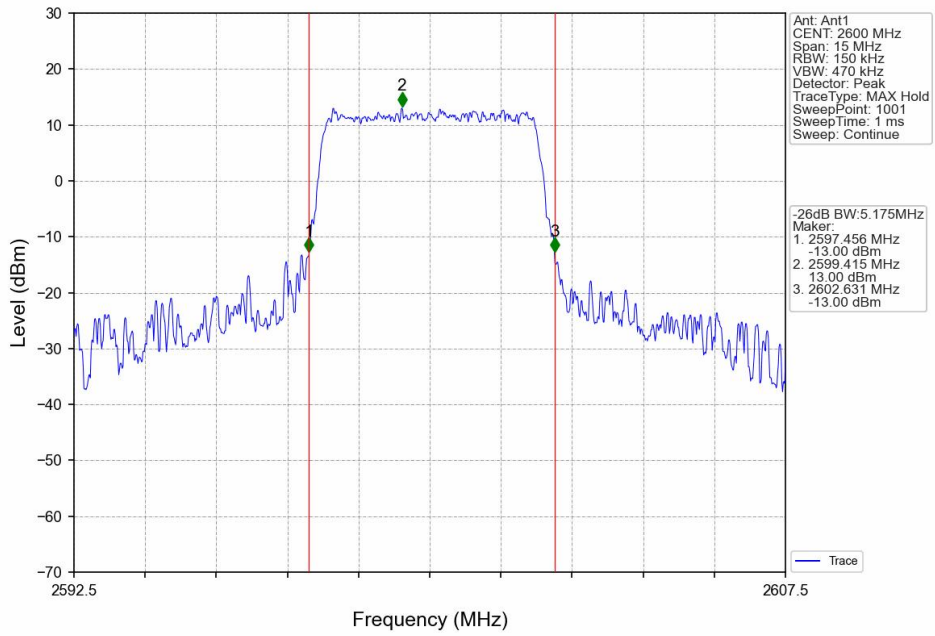
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



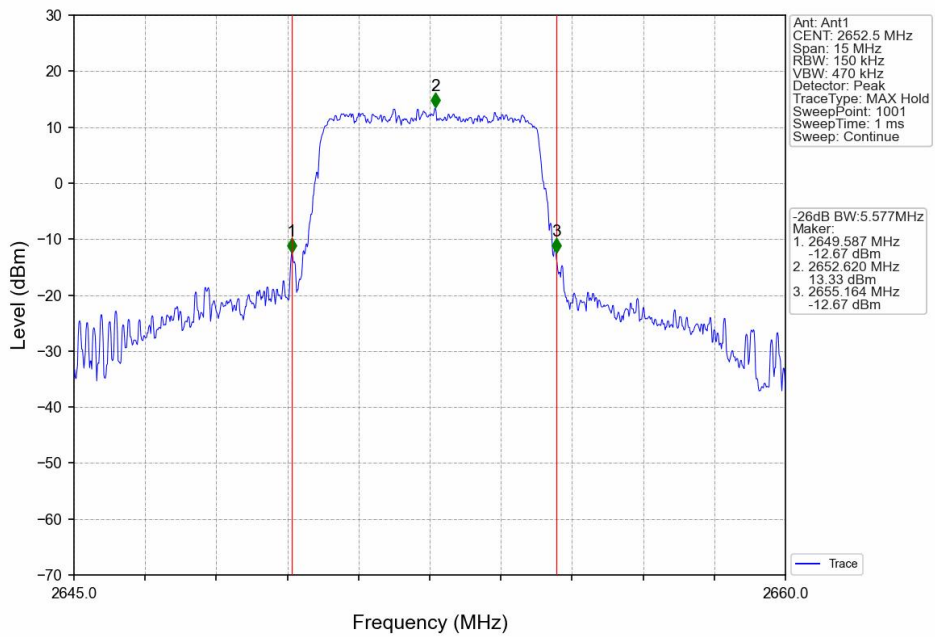
Band41_5MHz_16QAM_LCH_2547.5MHz_RB_25_0_NTNV



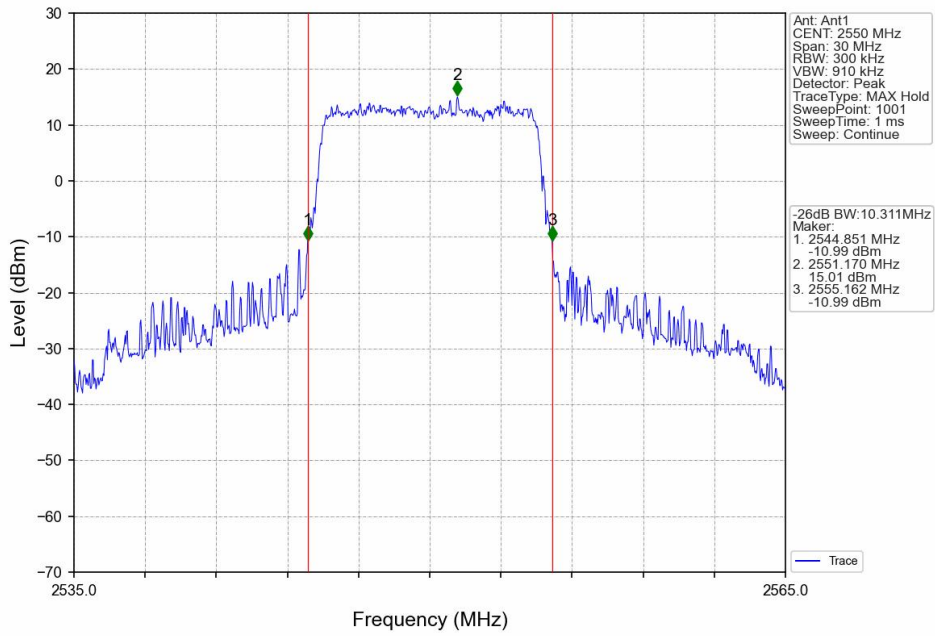
Band41_5MHz_16QAM_MCH_2600MHz_RB_25_0_NTNV



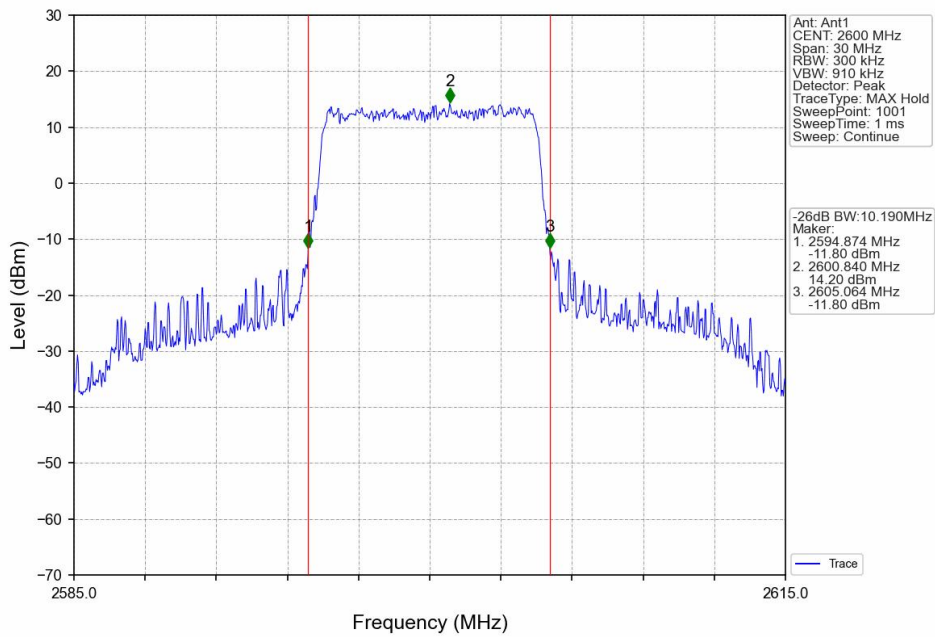
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



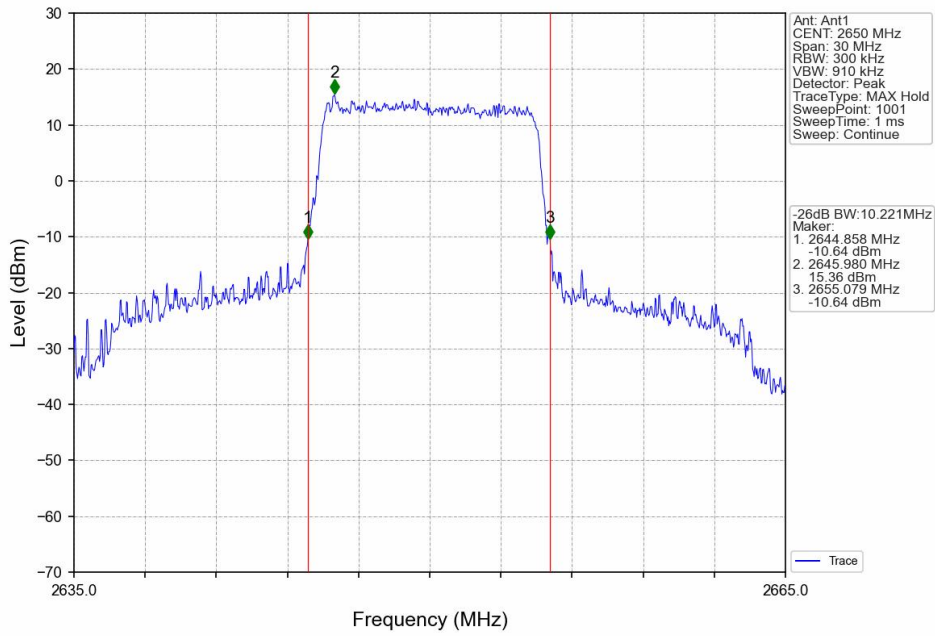
Band41_10MHz_QPSK_LCH_2550MHz_RB_50_0_NTNV



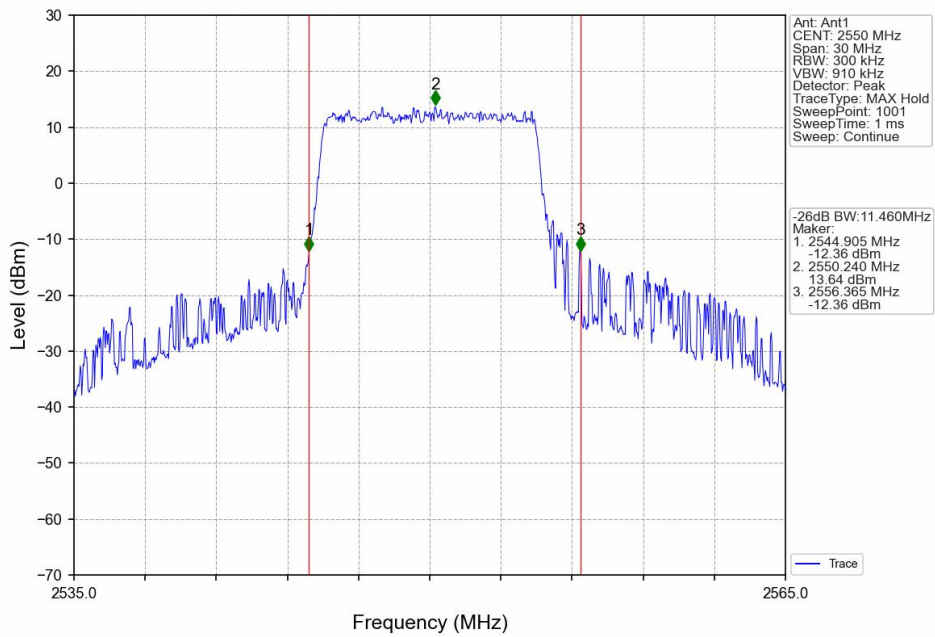
Band41_10MHz_QPSK_MCH_2600MHz_RB_50_0_NTNV



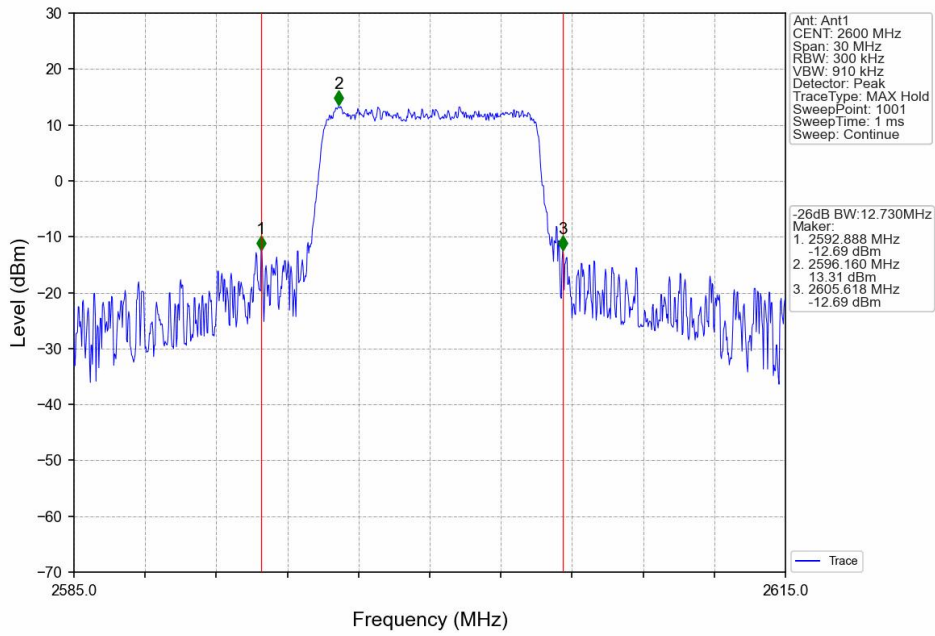
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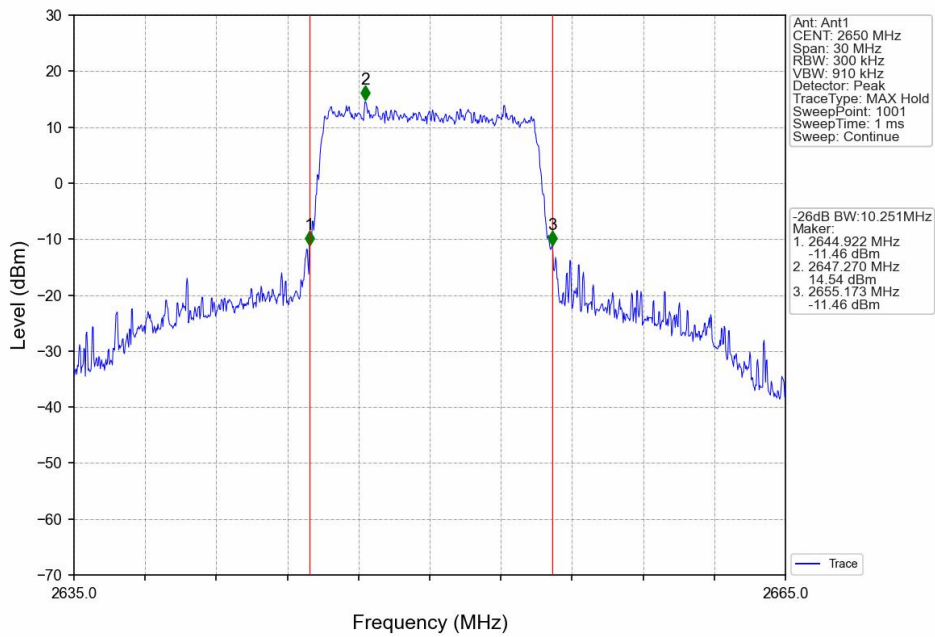
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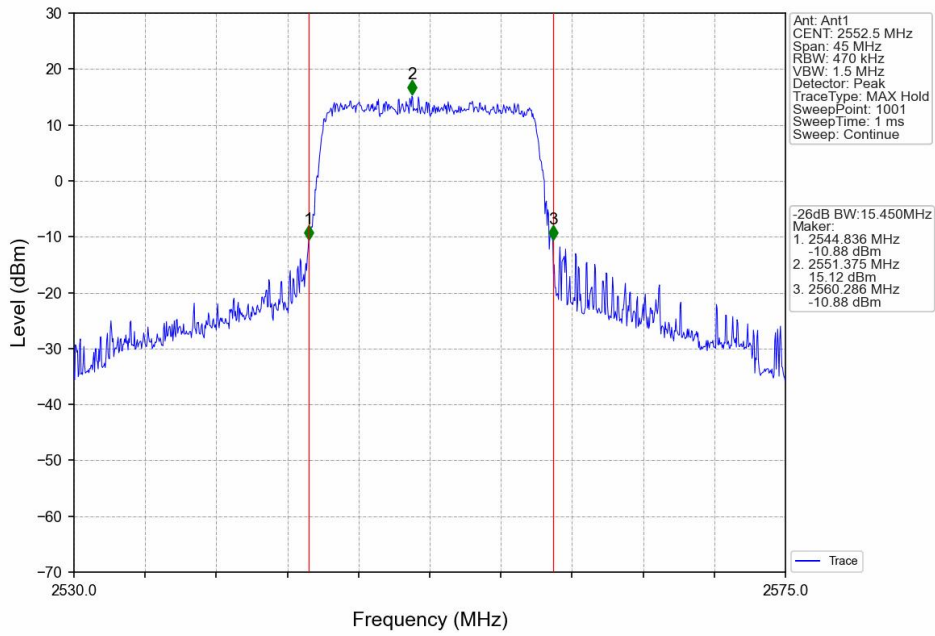
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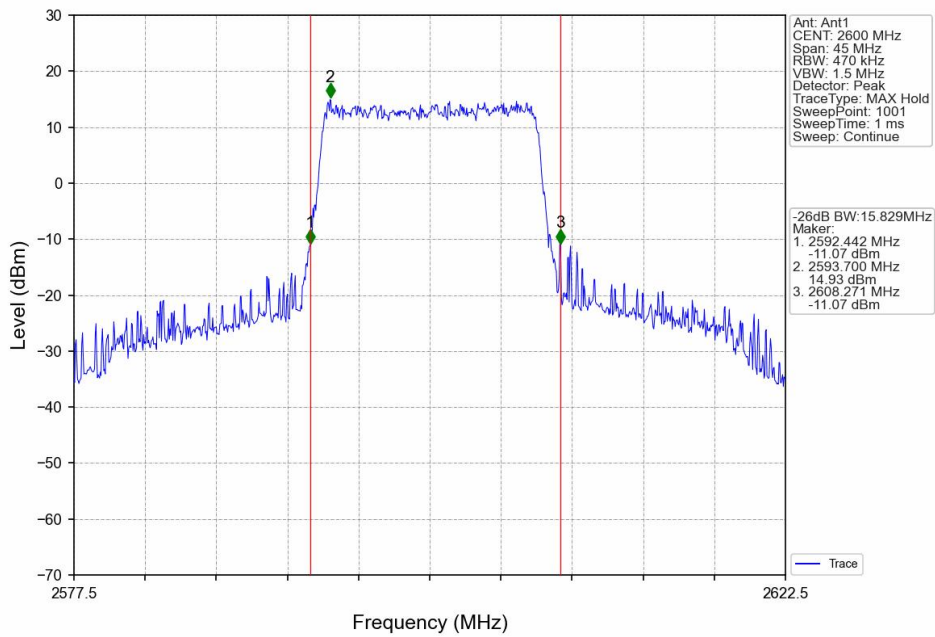
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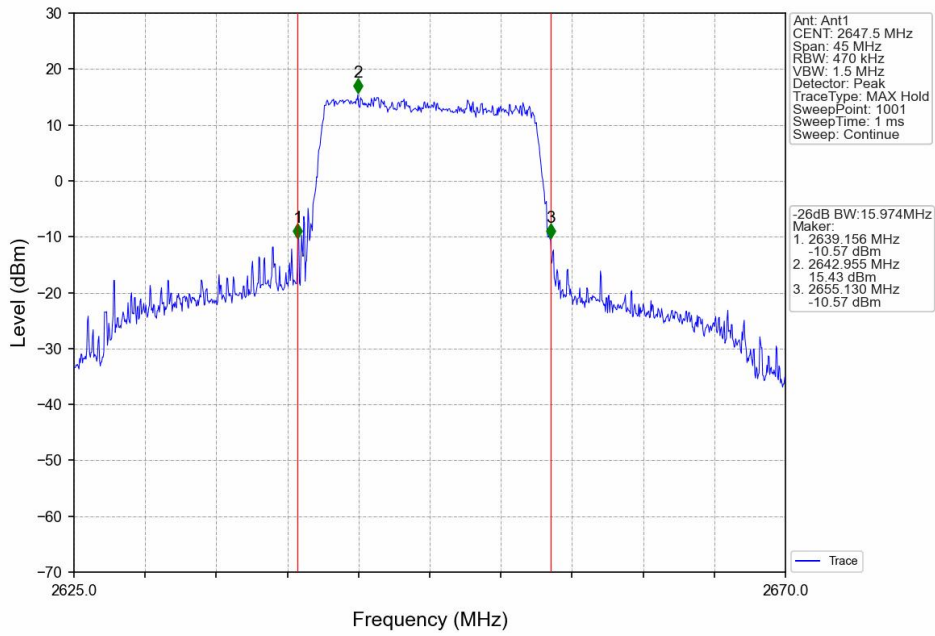
Band41_15MHz_QPSK_LCH_2552.5MHz_RB_75_0_NTNV



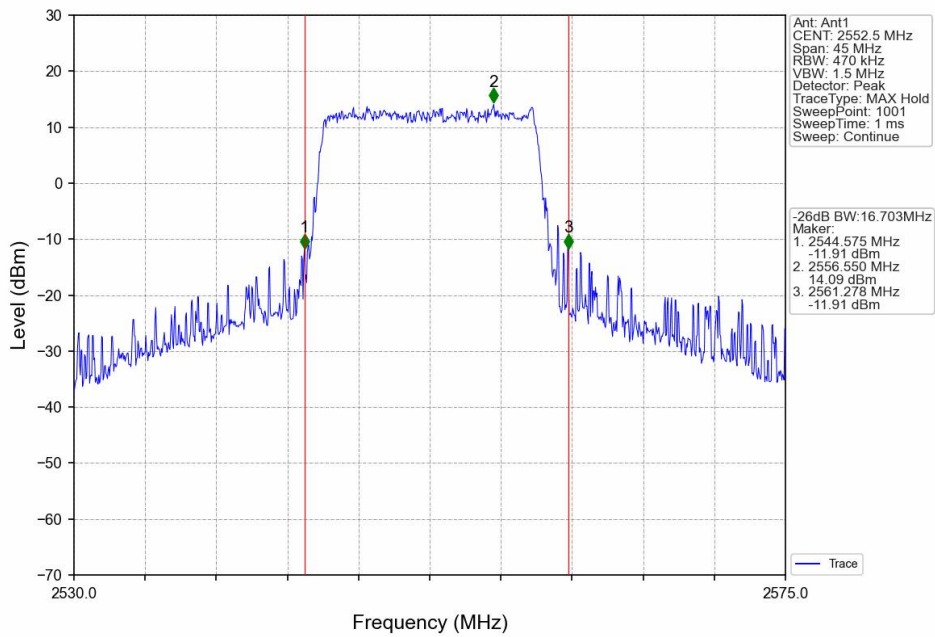
Band41_15MHz_QPSK_MCH_2600MHz_RB_75_0_NTNV



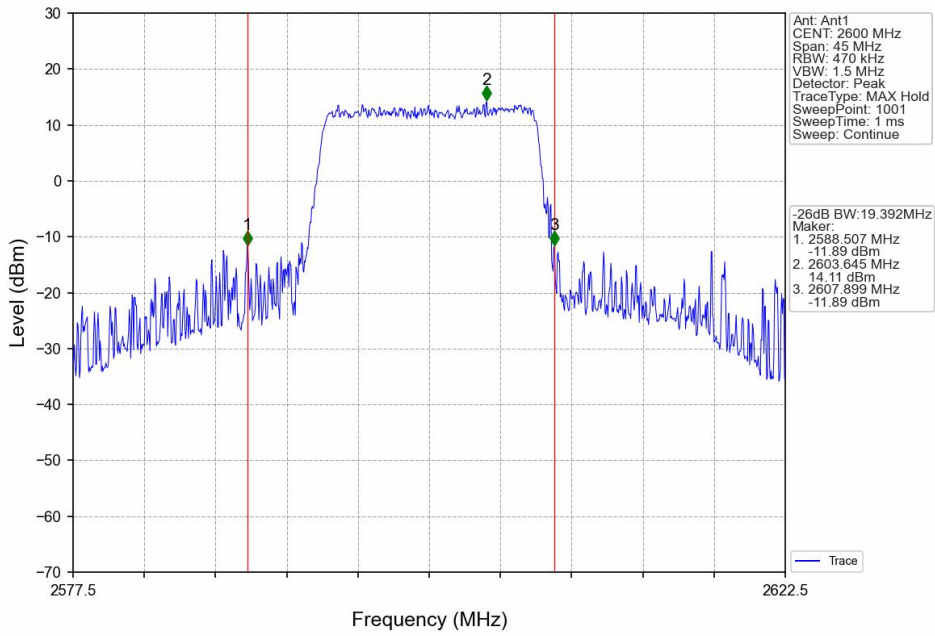
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



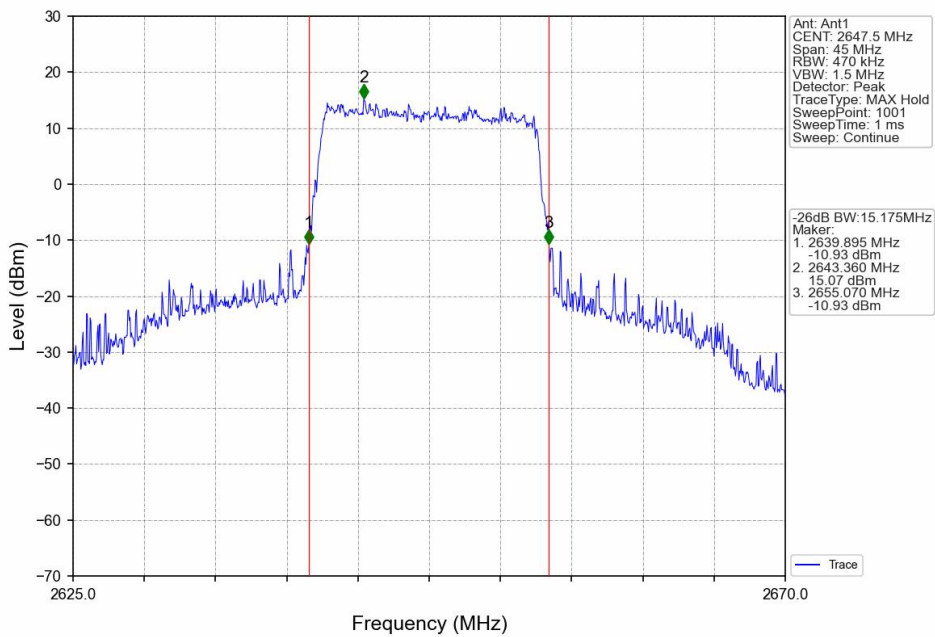
Band41_15MHz_16QAM_LCH_2552.5MHz_RB_75_0_NTNV



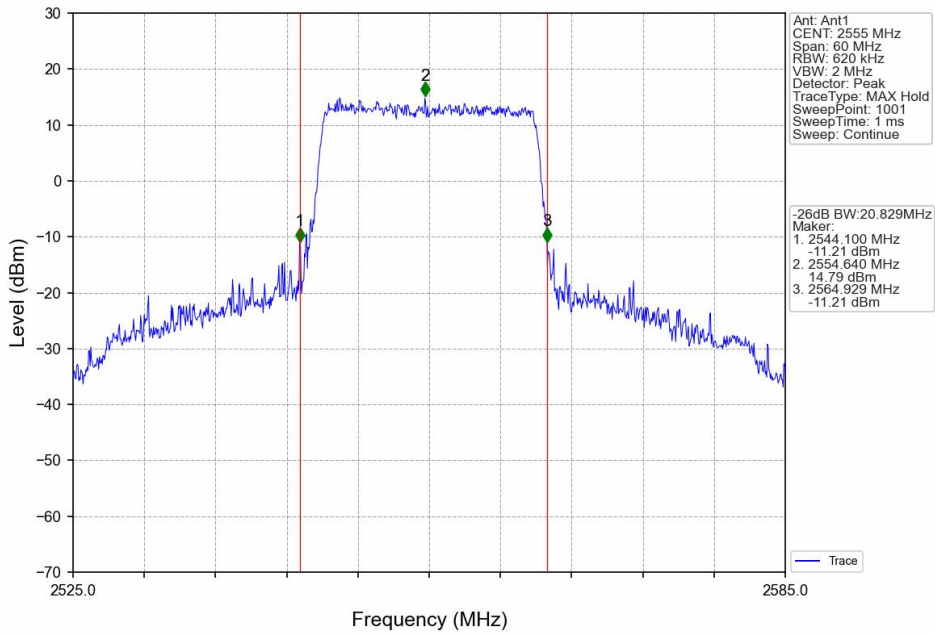
Band41_15MHz_16QAM_MCH_2600MHz_RB_75_0_NTNV



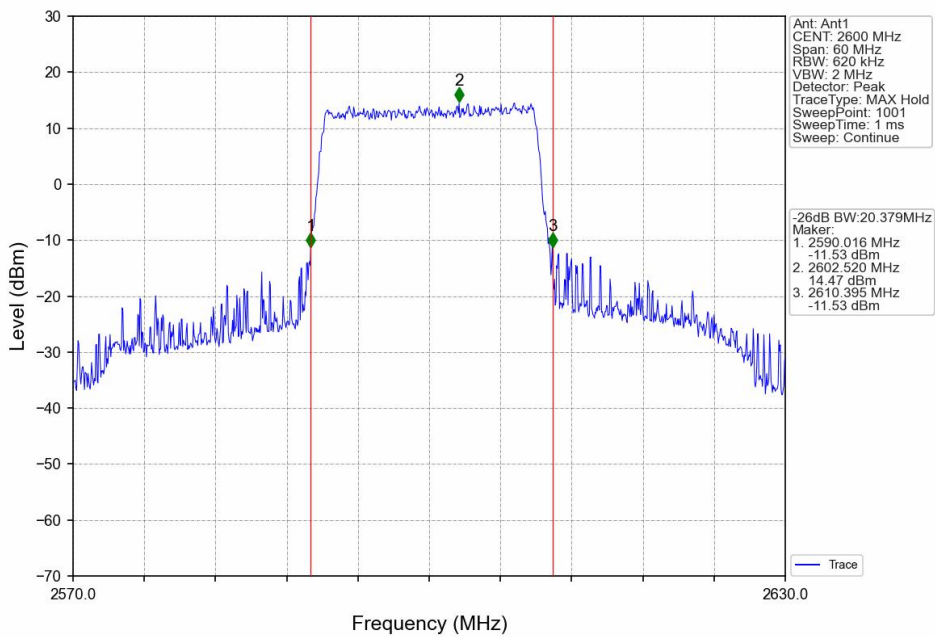
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



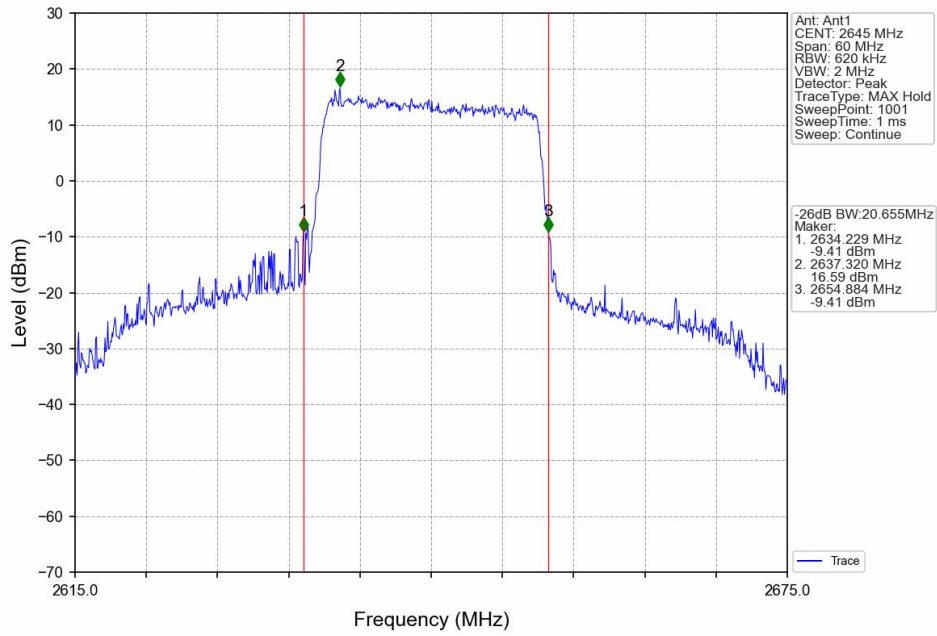
Band41_20MHz_QPSK_LCH_2555MHz_RB_100_0_NTNV



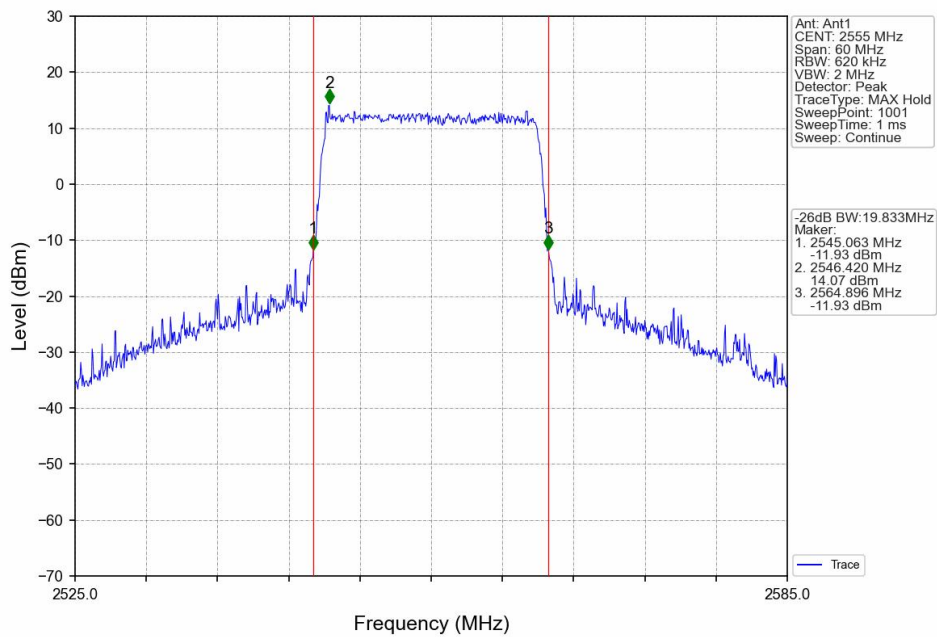
Band41_20MHz_QPSK_MCH_2600MHz_RB_100_0_NTNV



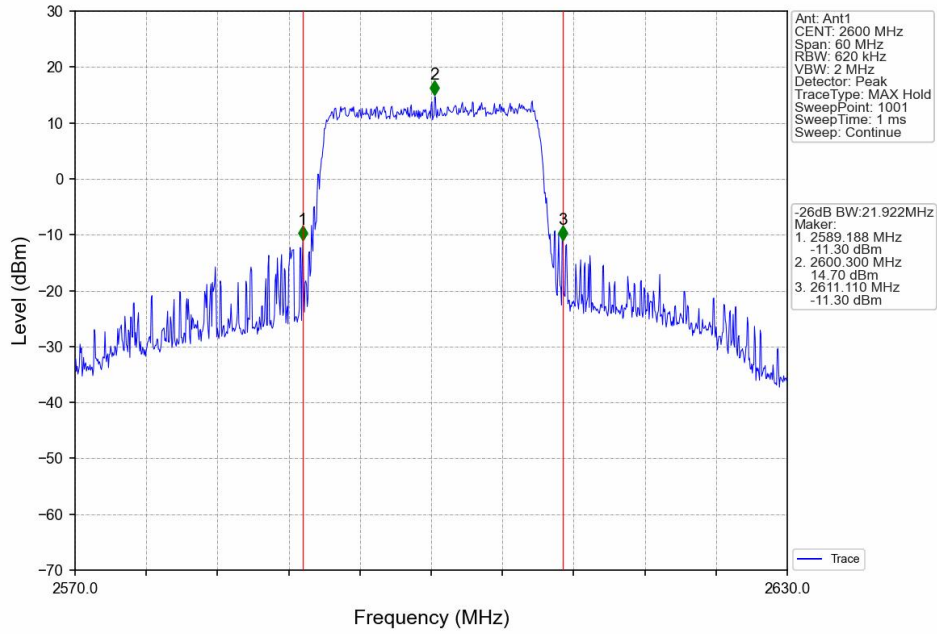
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



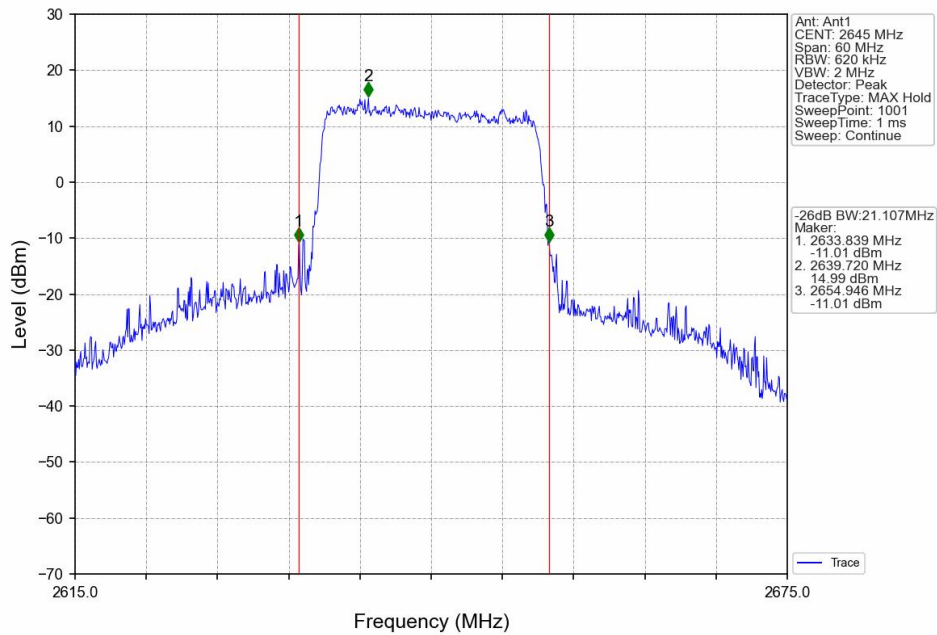
Band41_20MHz_16QAM_LCH_2555MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2600MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 B41_5MHz

5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2547.5	25	0	7.45	<=13	Pass
	2600	25	0	7.45	<=13	Pass
	2652.5	25	0	7.17	<=13	Pass
16QAM	2547.5	25	0	8.21	<=13	Pass
	2600	25	0	8.08	<=13	Pass
	2652.5	25	0	7.85	<=13	Pass

5.1.2 Test Graph

