

Appendix - LTE Band_41

1. Effective (Isotropic) Radiated Power Output Data

1.1 Test Result

1.1.1 B41_5MHz_EIRP

Band: 41 / Bandwidth: 5MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2537.5	1	0	21.43	-0.57	20.86	<=33.01	Pass
			13	21.53	-0.57	20.96	<=33.01	Pass
			24	21.57	-0.57	21.00	<=33.01	Pass
		12	0	20.41	-0.57	19.84	<=33.01	Pass
			6	20.51	-0.57	19.94	<=33.01	Pass
			13	20.45	-0.57	19.88	<=33.01	Pass
		25	0	20.53	-0.57	19.96	<=33.01	Pass
	2595	1	0	21.74	-0.57	21.17	<=33.01	Pass
			13	21.74	-0.57	21.17	<=33.01	Pass
			24	21.54	-0.57	20.97	<=33.01	Pass
		12	0	20.77	-0.57	20.20	<=33.01	Pass
			6	20.73	-0.57	20.16	<=33.01	Pass
			13	20.72	-0.57	20.15	<=33.01	Pass
		25	0	20.70	-0.57	20.13	<=33.01	Pass
	2652.5	1	0	21.50	-0.57	20.93	<=33.01	Pass
			13	21.61	-0.57	21.04	<=33.01	Pass
			24	21.45	-0.57	20.88	<=33.01	Pass
		12	0	20.58	-0.57	20.01	<=33.01	Pass
			6	20.83	-0.57	20.26	<=33.01	Pass
			13	20.54	-0.57	19.97	<=33.01	Pass
		25	0	20.84	-0.57	20.27	<=33.01	Pass
16QAM	2537.5	1	0	20.72	-0.57	20.15	<=33.01	Pass
			13	20.57	-0.57	20.00	<=33.01	Pass
			24	20.52	-0.57	19.95	<=33.01	Pass
		12	0	19.35	-0.57	18.78	<=33.01	Pass
			6	19.57	-0.57	19.00	<=33.01	Pass
			13	19.35	-0.57	18.78	<=33.01	Pass
		25	0	19.47	-0.57	18.90	<=33.01	Pass
	2595	1	0	20.67	-0.57	20.10	<=33.01	Pass
			13	20.99	-0.57	20.42	<=33.01	Pass
			24	20.65	-0.57	20.08	<=33.01	Pass
		12	0	19.76	-0.57	19.19	<=33.01	Pass
			6	19.80	-0.57	19.23	<=33.01	Pass
			13	19.71	-0.57	19.14	<=33.01	Pass
		25	0	19.75	-0.57	19.18	<=33.01	Pass
	2652.5	1	0	20.45	-0.57	19.88	<=33.01	Pass
			13	20.57	-0.57	20.00	<=33.01	Pass
			24	20.68	-0.57	20.11	<=33.01	Pass
		12	0	19.56	-0.57	18.99	<=33.01	Pass
			6	19.72	-0.57	19.15	<=33.01	Pass
			13	19.57	-0.57	19.00	<=33.01	Pass
		25	0	19.77	-0.57	19.20	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTNV								
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Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2540	1	0	21.47	-0.57	20.90	<=33.01	Pass
			25	21.78	-0.57	21.21	<=33.01	Pass
			49	21.60	-0.57	21.03	<=33.01	Pass
		25	0	20.50	-0.57	19.93	<=33.01	Pass
			13	20.61	-0.57	20.04	<=33.01	Pass
			25	20.68	-0.57	20.11	<=33.01	Pass
		50	0	20.62	-0.57	20.05	<=33.01	Pass
	2595	1	0	21.86	-0.57	21.29	<=33.01	Pass
			25	21.86	-0.57	21.29	<=33.01	Pass
			49	21.73	-0.57	21.16	<=33.01	Pass
		25	0	20.78	-0.57	20.21	<=33.01	Pass
			13	20.73	-0.57	20.16	<=33.01	Pass
			25	20.68	-0.57	20.11	<=33.01	Pass
		50	0	20.75	-0.57	20.18	<=33.01	Pass
	2650	1	0	21.75	-0.57	21.18	<=33.01	Pass
			25	21.94	-0.57	21.37	<=33.01	Pass
			49	21.75	-0.57	21.18	<=33.01	Pass
		25	0	20.89	-0.57	20.32	<=33.01	Pass
			13	20.66	-0.57	20.09	<=33.01	Pass
			25	20.81	-0.57	20.24	<=33.01	Pass
		50	0	20.81	-0.57	20.24	<=33.01	Pass
16QAM	2540	1	0	20.37	-0.57	19.80	<=33.01	Pass
			25	20.60	-0.57	20.03	<=33.01	Pass
			49	20.55	-0.57	19.98	<=33.01	Pass
		25	0	19.60	-0.57	19.03	<=33.01	Pass
			13	19.58	-0.57	19.01	<=33.01	Pass
			25	19.66	-0.57	19.09	<=33.01	Pass
		50	0	19.50	-0.57	18.93	<=33.01	Pass
	2595	1	0	20.64	-0.57	20.07	<=33.01	Pass
			25	20.80	-0.57	20.23	<=33.01	Pass
			49	20.58	-0.57	20.01	<=33.01	Pass
		25	0	19.94	-0.57	19.37	<=33.01	Pass
			13	19.80	-0.57	19.23	<=33.01	Pass
			25	19.83	-0.57	19.26	<=33.01	Pass
		50	0	19.77	-0.57	19.20	<=33.01	Pass
	2650	1	0	20.82	-0.57	20.25	<=33.01	Pass
			25	20.79	-0.57	20.22	<=33.01	Pass
			49	20.77	-0.57	20.20	<=33.01	Pass
		25	0	19.71	-0.57	19.14	<=33.01	Pass
			13	19.79	-0.57	19.22	<=33.01	Pass
			25	19.64	-0.57	19.07	<=33.01	Pass
		50	0	19.76	-0.57	19.19	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2542.5	1	0	21.38	-0.57	20.81	<=33.01	Pass
			38	21.68	-0.57	21.11	<=33.01	Pass
			74	21.63	-0.57	21.06	<=33.01	Pass
		36	0	20.55	-0.57	19.98	<=33.01	Pass
			18	20.62	-0.57	20.05	<=33.01	Pass
			39	20.70	-0.57	20.13	<=33.01	Pass
		75	0	20.56	-0.57	19.99	<=33.01	Pass
		2595	1	21.69	-0.57	21.12	<=33.01	Pass

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			38	21.74	-0.57	21.17	<=33.01	Pass	
			74	21.60	-0.57	21.03	<=33.01	Pass	
		36	0	20.88	-0.57	20.31	<=33.01	Pass	
			18	20.91	-0.57	20.34	<=33.01	Pass	
			39	20.70	-0.57	20.13	<=33.01	Pass	
		75	0	20.84	-0.57	20.27	<=33.01	Pass	
		2647.5	1	0	21.59	-0.57	21.02	<=33.01	Pass
				38	21.68	-0.57	21.11	<=33.01	Pass
				74	21.51	-0.57	20.94	<=33.01	Pass
			36	0	20.73	-0.57	20.16	<=33.01	Pass
	18			20.70	-0.57	20.13	<=33.01	Pass	
	39			20.83	-0.57	20.26	<=33.01	Pass	
	75	0	20.71	-0.57	20.14	<=33.01	Pass		
	16QAM	2542.5	1	0	20.71	-0.57	20.14	<=33.01	Pass
38				20.91	-0.57	20.34	<=33.01	Pass	
74				20.71	-0.57	20.14	<=33.01	Pass	
36			0	19.59	-0.57	19.02	<=33.01	Pass	
			18	19.52	-0.57	18.95	<=33.01	Pass	
			39	19.69	-0.57	19.12	<=33.01	Pass	
75			0	19.52	-0.57	18.95	<=33.01	Pass	
2595			1	0	20.51	-0.57	19.94	<=33.01	Pass
				38	20.55	-0.57	19.98	<=33.01	Pass
				74	20.52	-0.57	19.95	<=33.01	Pass
		36	0	19.80	-0.57	19.23	<=33.01	Pass	
			18	19.84	-0.57	19.27	<=33.01	Pass	
			39	19.71	-0.57	19.14	<=33.01	Pass	
		75	0	19.82	-0.57	19.25	<=33.01	Pass	
		2647.5	1	0	20.75	-0.57	20.18	<=33.01	Pass
				38	20.75	-0.57	20.18	<=33.01	Pass
				74	20.53	-0.57	19.96	<=33.01	Pass
36			0	19.78	-0.57	19.21	<=33.01	Pass	
			18	19.69	-0.57	19.12	<=33.01	Pass	
			39	19.63	-0.57	19.06	<=33.01	Pass	
75			0	19.67	-0.57	19.10	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2545	1	0	21.41	-0.57	20.84	<=33.01	Pass
			50	21.75	-0.57	21.18	<=33.01	Pass
			99	21.65	-0.57	21.08	<=33.01	Pass
		50	0	20.55	-0.57	19.98	<=33.01	Pass
			25	20.58	-0.57	20.01	<=33.01	Pass
			50	20.64	-0.57	20.07	<=33.01	Pass
		100	0	20.63	-0.57	20.06	<=33.01	Pass
	2595	1	0	21.66	-0.57	21.09	<=33.01	Pass
			50	21.79	-0.57	21.22	<=33.01	Pass
			99	21.68	-0.57	21.11	<=33.01	Pass
		50	0	20.73	-0.57	20.16	<=33.01	Pass
			25	20.74	-0.57	20.17	<=33.01	Pass
			50	20.56	-0.57	19.99	<=33.01	Pass
		100	0	20.64	-0.57	20.07	<=33.01	Pass
	2645	1	0	21.70	-0.57	21.13	<=33.01	Pass
			50	21.92	-0.57	21.35	<=33.01	Pass
			99	21.64	-0.57	21.07	<=33.01	Pass
		50	0	20.67	-0.57	20.10	<=33.01	Pass

16QAM	2545	100	25	20.80	-0.57	20.23	<=33.01	Pass
			50	20.58	-0.57	20.01	<=33.01	Pass
			0	20.66	-0.57	20.09	<=33.01	Pass
		1	0	20.45	-0.57	19.88	<=33.01	Pass
			50	20.92	-0.57	20.35	<=33.01	Pass
			99	20.70	-0.57	20.13	<=33.01	Pass
		50	0	19.46	-0.57	18.89	<=33.01	Pass
			25	19.60	-0.57	19.03	<=33.01	Pass
			50	19.69	-0.57	19.12	<=33.01	Pass
		100	0	19.61	-0.57	19.04	<=33.01	Pass
	2595	1	0	20.77	-0.57	20.20	<=33.01	Pass
			50	20.71	-0.57	20.14	<=33.01	Pass
			99	20.25	-0.57	19.68	<=33.01	Pass
		50	0	19.88	-0.57	19.31	<=33.01	Pass
			25	19.81	-0.57	19.24	<=33.01	Pass
			50	19.63	-0.57	19.06	<=33.01	Pass
		100	0	19.73	-0.57	19.16	<=33.01	Pass
	2645	1	0	21.00	-0.57	20.43	<=33.01	Pass
			50	20.89	-0.57	20.32	<=33.01	Pass
			99	20.64	-0.57	20.07	<=33.01	Pass
		50	0	19.80	-0.57	19.23	<=33.01	Pass
			25	19.67	-0.57	19.10	<=33.01	Pass
			50	19.69	-0.57	19.12	<=33.01	Pass
		100	0	19.65	-0.57	19.08	<=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	2537.5	25	0	20	3.27	3.848	0.0015	-2.5 to 2.5	Pass
					3.85	-5.894	-0.0023	-2.5 to 2.5	Pass
					4.43	3.848	0.0015	-2.5 to 2.5	Pass
				-30	3.85	-4.520	-0.0018	-2.5 to 2.5	Pass
				-20	3.85	0.072	0.0000	-2.5 to 2.5	Pass
				-10	3.85	10.800	0.0043	-2.5 to 2.5	Pass
				0	3.85	12.646	0.0050	-2.5 to 2.5	Pass
				10	3.85	13.719	0.0054	-2.5 to 2.5	Pass
				30	3.85	14.019	0.0055	-2.5 to 2.5	Pass
				40	3.85	23.904	0.0094	-2.5 to 2.5	Pass
				50	3.85	18.125	0.0071	-2.5 to 2.5	Pass
	2595	25	0	20	3.27	-9.613	-0.0037	-2.5 to 2.5	Pass
					3.85	-21.586	-0.0083	-2.5 to 2.5	Pass
					4.43	-25.506	-0.0098	-2.5 to 2.5	Pass
				-30	3.85	-5.937	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-20.213	-0.0078	-2.5 to 2.5	Pass
				-10	3.85	-27.766	-0.0107	-2.5 to 2.5	Pass
				0	3.85	-12.703	-0.0049	-2.5 to 2.5	Pass
				10	3.85	-24.018	-0.0093	-2.5 to 2.5	Pass
				30	3.85	-15.793	-0.0061	-2.5 to 2.5	Pass
				40	3.85	-22.602	-0.0087	-2.5 to 2.5	Pass
				50	3.85	-14.348	-0.0055	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	4.578	0.0017	-2.5 to 2.5	Pass

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					3.85	1.545	0.0006	-2.5 to 2.5	Pass
					4.43	-2.332	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	8.683	0.0033	-2.5 to 2.5	Pass
				-20	3.85	10.028	0.0038	-2.5 to 2.5	Pass
				-10	3.85	13.633	0.0051	-2.5 to 2.5	Pass
				0	3.85	14.019	0.0053	-2.5 to 2.5	Pass
				10	3.85	17.152	0.0065	-2.5 to 2.5	Pass
				30	3.85	20.127	0.0076	-2.5 to 2.5	Pass
				40	3.85	17.223	0.0065	-2.5 to 2.5	Pass
				50	3.85	20.857	0.0079	-2.5 to 2.5	Pass
16QAM	2537.5	25	0	20	3.27	22.388	0.0088	-2.5 to 2.5	Pass
					3.85	16.651	0.0066	-2.5 to 2.5	Pass
					4.43	14.019	0.0055	-2.5 to 2.5	Pass
				-30	3.85	21.129	0.0083	-2.5 to 2.5	Pass
				-20	3.85	16.794	0.0066	-2.5 to 2.5	Pass
				-10	3.85	18.382	0.0072	-2.5 to 2.5	Pass
				0	3.85	11.959	0.0047	-2.5 to 2.5	Pass
				10	3.85	13.189	0.0052	-2.5 to 2.5	Pass
				30	3.85	7.539	0.0030	-2.5 to 2.5	Pass
				40	3.85	6.866	0.0027	-2.5 to 2.5	Pass
	50	3.85	9.427	0.0037	-2.5 to 2.5	Pass			
	2595	25	0	20	3.27	-7.524	-0.0029	-2.5 to 2.5	Pass
					3.85	-2.389	-0.0009	-2.5 to 2.5	Pass
					4.43	-2.232	-0.0009	-2.5 to 2.5	Pass
				-30	3.85	-17.409	-0.0067	-2.5 to 2.5	Pass
				-20	3.85	-6.981	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-15.621	-0.0060	-2.5 to 2.5	Pass
				0	3.85	-20.785	-0.0080	-2.5 to 2.5	Pass
				10	3.85	-20.885	-0.0080	-2.5 to 2.5	Pass
				30	3.85	-25.148	-0.0097	-2.5 to 2.5	Pass
				40	3.85	-9.627	-0.0037	-2.5 to 2.5	Pass
	50	3.85	-21.057	-0.0081	-2.5 to 2.5	Pass			
	2652.5	25	0	20	3.27	17.953	0.0068	-2.5 to 2.5	Pass
					3.85	33.517	0.0126	-2.5 to 2.5	Pass
					4.43	28.667	0.0108	-2.5 to 2.5	Pass
				-30	3.85	21.944	0.0083	-2.5 to 2.5	Pass
				-20	3.85	20.185	0.0076	-2.5 to 2.5	Pass
				-10	3.85	10.257	0.0039	-2.5 to 2.5	Pass
				0	3.85	10.700	0.0040	-2.5 to 2.5	Pass
				10	3.85	25.320	0.0095	-2.5 to 2.5	Pass
				30	3.85	29.469	0.0111	-2.5 to 2.5	Pass
				40	3.85	22.531	0.0085	-2.5 to 2.5	Pass
	50	3.85	13.919	0.0052	-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	2540	50	0	20	3.27	-7.153	-0.0028	-2.5 to 2.5	Pass
					3.85	-10.071	-0.0040	-2.5 to 2.5	Pass
					4.43	-5.822	-0.0023	-2.5 to 2.5	Pass
				-30	3.85	-6.552	-0.0026	-2.5 to 2.5	Pass
				-20	3.85	-6.809	-0.0027	-2.5 to 2.5	Pass
				-10	3.85	-1.130	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-9.298	-0.0037	-2.5 to 2.5	Pass
				10	3.85	-3.819	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-10.514	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-10.428	-0.0041	-2.5 to 2.5	Pass

16QAM	2595	50	0	50	3.85	-10.700	-0.0042	-2.5 to 2.5	Pass
				20	3.27	-3.777	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.589	-0.0010	-2.5 to 2.5	Pass
					4.43	-15.664	-0.0060	-2.5 to 2.5	Pass
				-30	3.85	-0.958	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-13.061	-0.0050	-2.5 to 2.5	Pass
				-10	3.85	-6.251	-0.0024	-2.5 to 2.5	Pass
				0	3.85	-2.203	-0.0008	-2.5 to 2.5	Pass
				10	3.85	-1.674	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-9.356	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-14.076	-0.0054	-2.5 to 2.5	Pass
				50	3.85	-6.266	-0.0024	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-6.180	-0.0023	-2.5 to 2.5	Pass
					3.85	-6.180	-0.0023	-2.5 to 2.5	Pass
					4.43	-12.245	-0.0046	-2.5 to 2.5	Pass
				-30	3.85	-6.022	-0.0023	-2.5 to 2.5	Pass
				-20	3.85	-7.682	-0.0029	-2.5 to 2.5	Pass
				-10	3.85	-9.756	-0.0037	-2.5 to 2.5	Pass
				0	3.85	-8.669	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-5.608	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-7.024	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-7.567	-0.0029	-2.5 to 2.5	Pass
				50	3.85	0.343	0.0001	-2.5 to 2.5	Pass
	2540	50	0	20	3.27	-12.631	-0.0050	-2.5 to 2.5	Pass
					3.85	-5.422	-0.0021	-2.5 to 2.5	Pass
					4.43	-13.490	-0.0053	-2.5 to 2.5	Pass
				-30	3.85	-8.411	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-8.998	-0.0035	-2.5 to 2.5	Pass
				-10	3.85	-2.632	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-8.712	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-7.195	-0.0028	-2.5 to 2.5	Pass
				30	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-11.287	-0.0044	-2.5 to 2.5	Pass
				50	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass
	2595	50	0	20	3.27	-4.463	-0.0017	-2.5 to 2.5	Pass
					3.85	-7.753	-0.0030	-2.5 to 2.5	Pass
					4.43	-9.785	-0.0038	-2.5 to 2.5	Pass
				-30	3.85	-5.050	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-7.195	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-3.319	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-3.676	-0.0014	-2.5 to 2.5	Pass
				10	3.85	-11.058	-0.0043	-2.5 to 2.5	Pass
				30	3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
				40	3.85	-2.317	-0.0009	-2.5 to 2.5	Pass
				50	3.85	-3.562	-0.0014	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	-5.908	-0.0022	-2.5 to 2.5	Pass
					3.85	1.187	0.0004	-2.5 to 2.5	Pass
					4.43	-5.879	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-4.606	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-1.273	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-7.925	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-8.683	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-6.738	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-4.907	-0.0019	-2.5 to 2.5	Pass
				40	3.85	-5.651	-0.0021	-2.5 to 2.5	Pass
				50	3.85	-2.031	-0.0008	-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	2542.5	75	0	20	3.27	-4.563	-0.0018	-2.5 to 2.5	Pass
					3.85	-4.134	-0.0016	-2.5 to 2.5	Pass
					4.43	-5.565	-0.0022	-2.5 to 2.5	Pass
				-30	3.85	-1.330	-0.0005	-2.5 to 2.5	Pass
				-20	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-3.891	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-2.618	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-3.862	-0.0015	-2.5 to 2.5	Pass
				30	3.85	-9.956	-0.0039	-2.5 to 2.5	Pass
				40	3.85	-3.791	-0.0015	-2.5 to 2.5	Pass
				50	3.85	-5.522	-0.0022	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-1.903	-0.0007	-2.5 to 2.5	Pass
					3.85	-2.546	-0.0010	-2.5 to 2.5	Pass
					4.43	-1.101	-0.0004	-2.5 to 2.5	Pass
				-30	3.85	0.300	0.0001	-2.5 to 2.5	Pass
				-20	3.85	-5.693	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-4.492	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-8.297	-0.0032	-2.5 to 2.5	Pass
				10	3.85	2.260	0.0009	-2.5 to 2.5	Pass
				30	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				50	3.85	-3.676	-0.0014	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	-5.622	-0.0021	-2.5 to 2.5	Pass
					3.85	-3.448	-0.0013	-2.5 to 2.5	Pass
					4.43	-4.535	-0.0017	-2.5 to 2.5	Pass
				-30	3.85	-5.407	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-1.416	-0.0005	-2.5 to 2.5	Pass
				-10	3.85	-2.990	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-9.613	-0.0036	-2.5 to 2.5	Pass
				10	3.85	-6.938	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-5.751	-0.0022	-2.5 to 2.5	Pass
				40	3.85	-4.635	-0.0018	-2.5 to 2.5	Pass
16QAM	2542.5	75	0	20	3.27	-4.864	-0.0019	-2.5 to 2.5	Pass
					3.85	-6.065	-0.0024	-2.5 to 2.5	Pass
					4.43	-3.691	-0.0015	-2.5 to 2.5	Pass
				-30	3.85	-2.961	-0.0012	-2.5 to 2.5	Pass
				-20	3.85	-4.864	-0.0019	-2.5 to 2.5	Pass
				-10	3.85	-2.174	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-2.489	-0.0010	-2.5 to 2.5	Pass
				10	3.85	-8.039	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-5.364	-0.0021	-2.5 to 2.5	Pass
				40	3.85	-9.727	-0.0038	-2.5 to 2.5	Pass
	2595	75	0	20	3.27	-5.980	-0.0023	-2.5 to 2.5	Pass
					3.85	-4.377	-0.0017	-2.5 to 2.5	Pass
					4.43	-1.774	-0.0007	-2.5 to 2.5	Pass
				-30	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	4.048	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-4.406	-0.0017	-2.5 to 2.5	Pass
				0	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				10	3.85	-6.437	-0.0025	-2.5 to 2.5	Pass
				30	3.85	-8.898	-0.0034	-2.5 to 2.5	Pass
				40	3.85	-1.688	-0.0007	-2.5 to 2.5	Pass
	2647.5	75	0	50	3.85	-3.047	-0.0012	-2.5 to 2.5	Pass
				20	3.27	-4.821	-0.0018	-2.5 to 2.5	Pass

					3.85	-5.136	-0.0019	-2.5 to 2.5	Pass
					4.43	-2.117	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
				-20	3.85	-4.649	-0.0018	-2.5 to 2.5	Pass
				-10	3.85	-5.250	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-8.183	-0.0031	-2.5 to 2.5	Pass
				10	3.85	-8.168	-0.0031	-2.5 to 2.5	Pass
				30	3.85	-6.294	-0.0024	-2.5 to 2.5	Pass
				40	3.85	-1.431	-0.0005	-2.5 to 2.5	Pass
				50	3.85	-7.052	-0.0027	-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	2545	100	0	20	3.27	-5.293	-0.0021	-2.5 to 2.5	Pass
					3.85	-0.930	-0.0004	-2.5 to 2.5	Pass
					4.43	-4.907	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-4.950	-0.0019	-2.5 to 2.5	Pass
				-20	3.85	-1.917	-0.0008	-2.5 to 2.5	Pass
				-10	3.85	-4.234	-0.0017	-2.5 to 2.5	Pass
				0	3.85	-4.148	-0.0016	-2.5 to 2.5	Pass
				10	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				30	3.85	-2.704	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-1.903	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-6.380	-0.0025	-2.5 to 2.5	Pass
	2595	100	0	20	3.27	-3.948	-0.0015	-2.5 to 2.5	Pass
					3.85	-5.136	-0.0020	-2.5 to 2.5	Pass
					4.43	-2.003	-0.0008	-2.5 to 2.5	Pass
				-30	3.85	-1.616	-0.0006	-2.5 to 2.5	Pass
				-20	3.85	-9.456	-0.0036	-2.5 to 2.5	Pass
				-10	3.85	-9.341	-0.0036	-2.5 to 2.5	Pass
				0	3.85	-1.645	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-6.795	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-7.339	-0.0028	-2.5 to 2.5	Pass
				40	3.85	-7.396	-0.0029	-2.5 to 2.5	Pass
				50	3.85	-6.037	-0.0023	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	-8.755	-0.0033	-2.5 to 2.5	Pass
					3.85	-3.076	-0.0012	-2.5 to 2.5	Pass
					4.43	-8.469	-0.0032	-2.5 to 2.5	Pass
				-30	3.85	-9.999	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	-9.098	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-5.336	-0.0020	-2.5 to 2.5	Pass
				0	3.85	-8.798	-0.0033	-2.5 to 2.5	Pass
				10	3.85	-6.781	-0.0026	-2.5 to 2.5	Pass
				30	3.85	-8.626	-0.0033	-2.5 to 2.5	Pass
				40	3.85	-18.840	-0.0071	-2.5 to 2.5	Pass
				50	3.85	-12.517	-0.0047	-2.5 to 2.5	Pass
16QAM	2545	100	0	20	3.27	-9.985	-0.0039	-2.5 to 2.5	Pass
					3.85	-6.108	-0.0024	-2.5 to 2.5	Pass
					4.43	-6.323	-0.0025	-2.5 to 2.5	Pass
				-30	3.85	-5.078	-0.0020	-2.5 to 2.5	Pass
				-20	3.85	-7.682	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	1.831	0.0007	-2.5 to 2.5	Pass
				0	3.85	-8.340	-0.0033	-2.5 to 2.5	Pass
				10	3.85	0.830	0.0003	-2.5 to 2.5	Pass
				30	3.85	-5.121	-0.0020	-2.5 to 2.5	Pass
				40	3.85	-9.842	-0.0039	-2.5 to 2.5	Pass

	2595	100	0	50	3.85	-6.537	-0.0026	-2.5 to 2.5	Pass
				20	3.27	-5.035	-0.0019	-2.5 to 2.5	Pass
					3.85	-2.675	-0.0010	-2.5 to 2.5	Pass
					4.43	-5.136	-0.0020	-2.5 to 2.5	Pass
				-30	3.85	-8.540	-0.0033	-2.5 to 2.5	Pass
				-20	3.85	-5.679	-0.0022	-2.5 to 2.5	Pass
				-10	3.85	-7.753	-0.0030	-2.5 to 2.5	Pass
				0	3.85	-6.108	-0.0024	-2.5 to 2.5	Pass
				10	3.85	-7.653	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-3.476	-0.0013	-2.5 to 2.5	Pass
	2645	100	0	40	3.85	-6.495	-0.0025	-2.5 to 2.5	Pass
				50	3.85	-5.779	-0.0022	-2.5 to 2.5	Pass
				20	3.27	-8.669	-0.0033	-2.5 to 2.5	Pass
					3.85	-9.799	-0.0037	-2.5 to 2.5	Pass
					4.43	-4.663	-0.0018	-2.5 to 2.5	Pass
				-30	3.85	-7.553	-0.0029	-2.5 to 2.5	Pass
				-20	3.85	-6.795	-0.0026	-2.5 to 2.5	Pass
				-10	3.85	-9.141	-0.0035	-2.5 to 2.5	Pass
				0	3.85	-11.129	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-5.765	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-9.527	-0.0036	-2.5 to 2.5	Pass
				40	3.85	-7.010	-0.0027	-2.5 to 2.5	Pass
				50	3.85	-5.593	-0.0021	-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	2595	25	0	Refer To Test Graph		Pass
16QAM	2595	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	2595	50	0	Refer To Test Graph		Pass
16QAM	2595	50	0	Refer To Test Graph		Pass

3.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2595	75	0	Refer To Test Graph		Pass
16QAM	2595	75	0	Refer To Test Graph		Pass

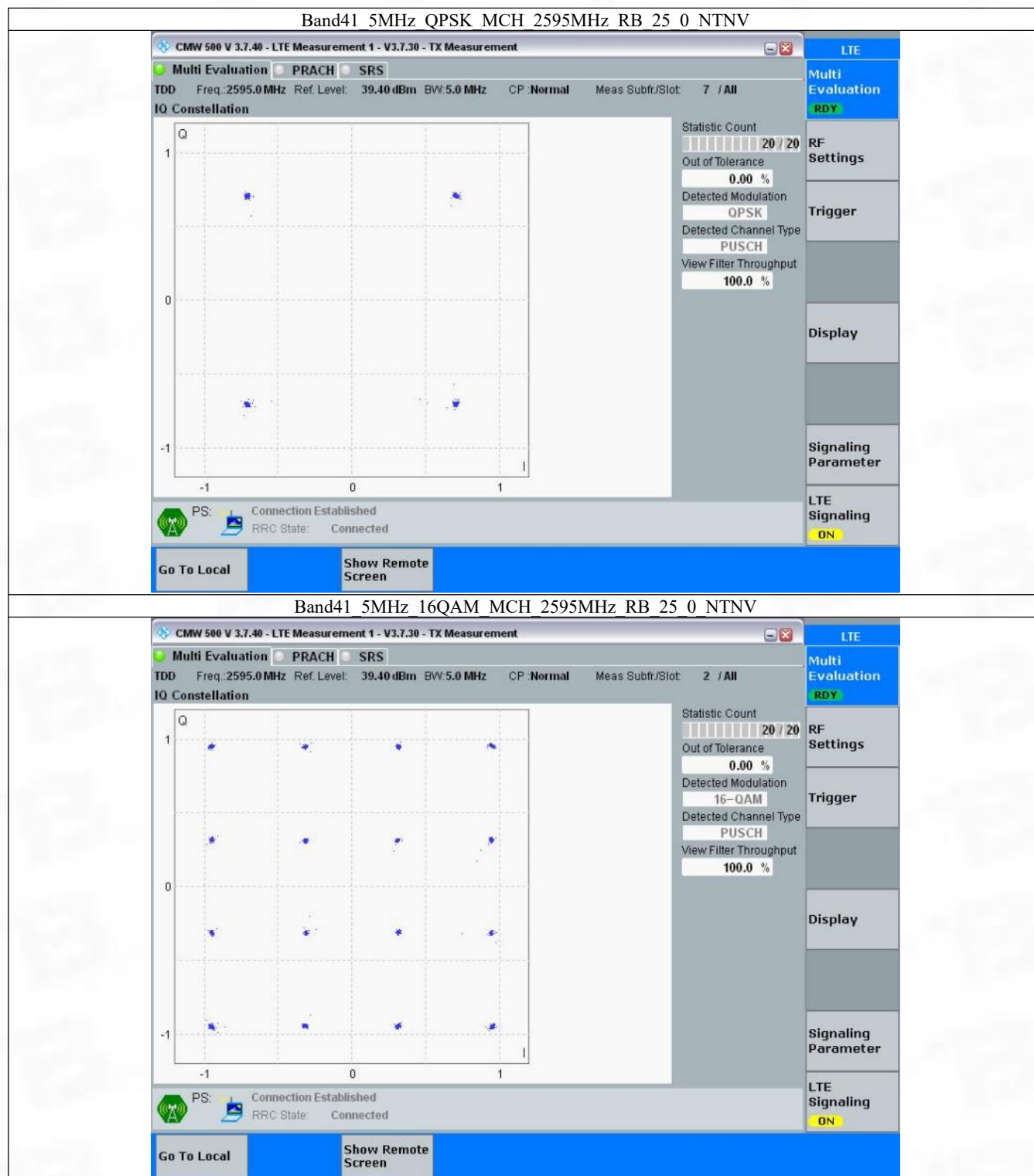
3.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV				
Modulation	Frequency	RB Allocation	Modulation Characteristics	Verdict

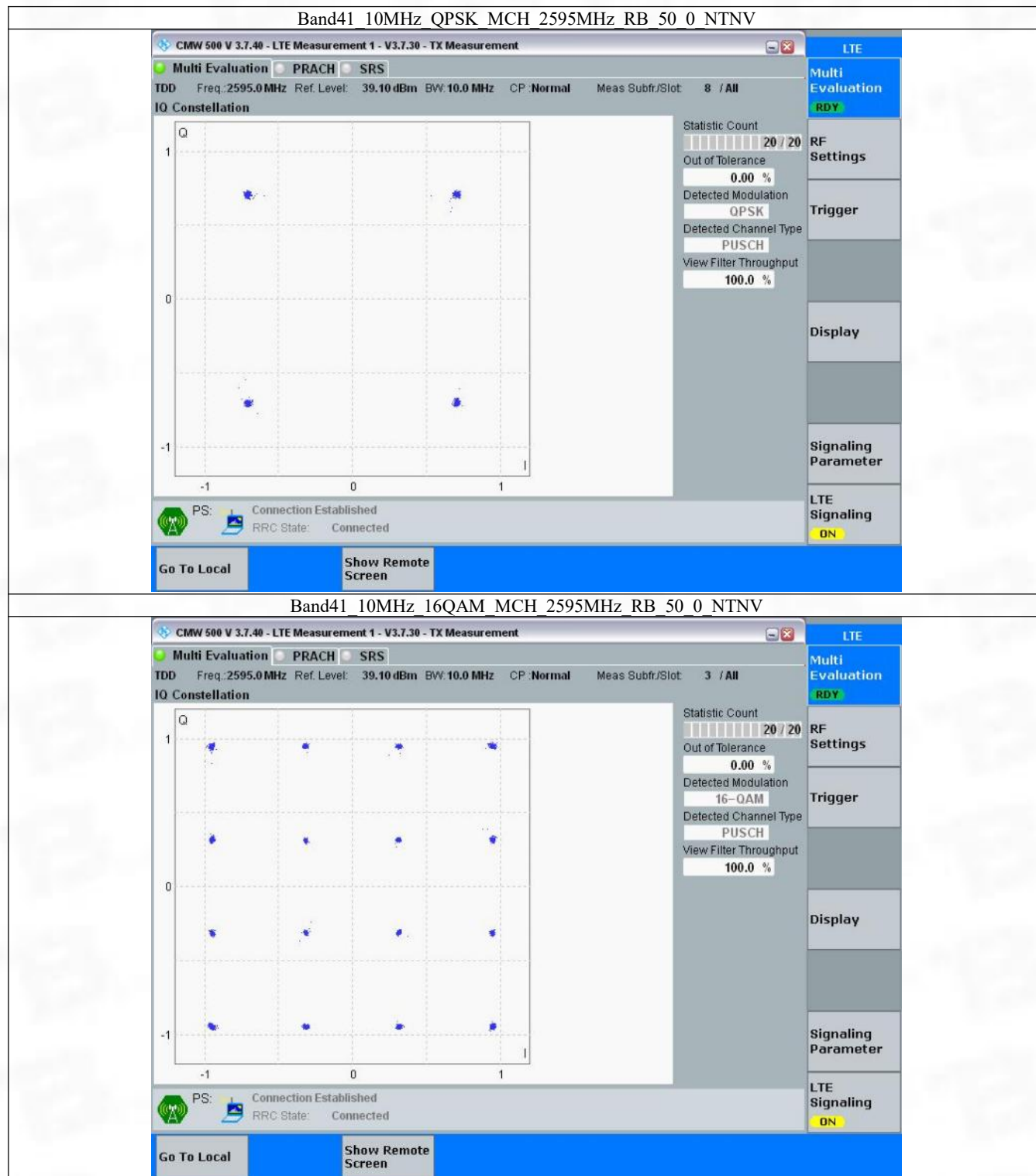
	(MHz)	Size	Offset	Result	Limit	
QPSK	2595	100	0	Refer To Test Graph		Pass
16QAM	2595	100	0	Refer To Test Graph		Pass

3.2 Test Graph

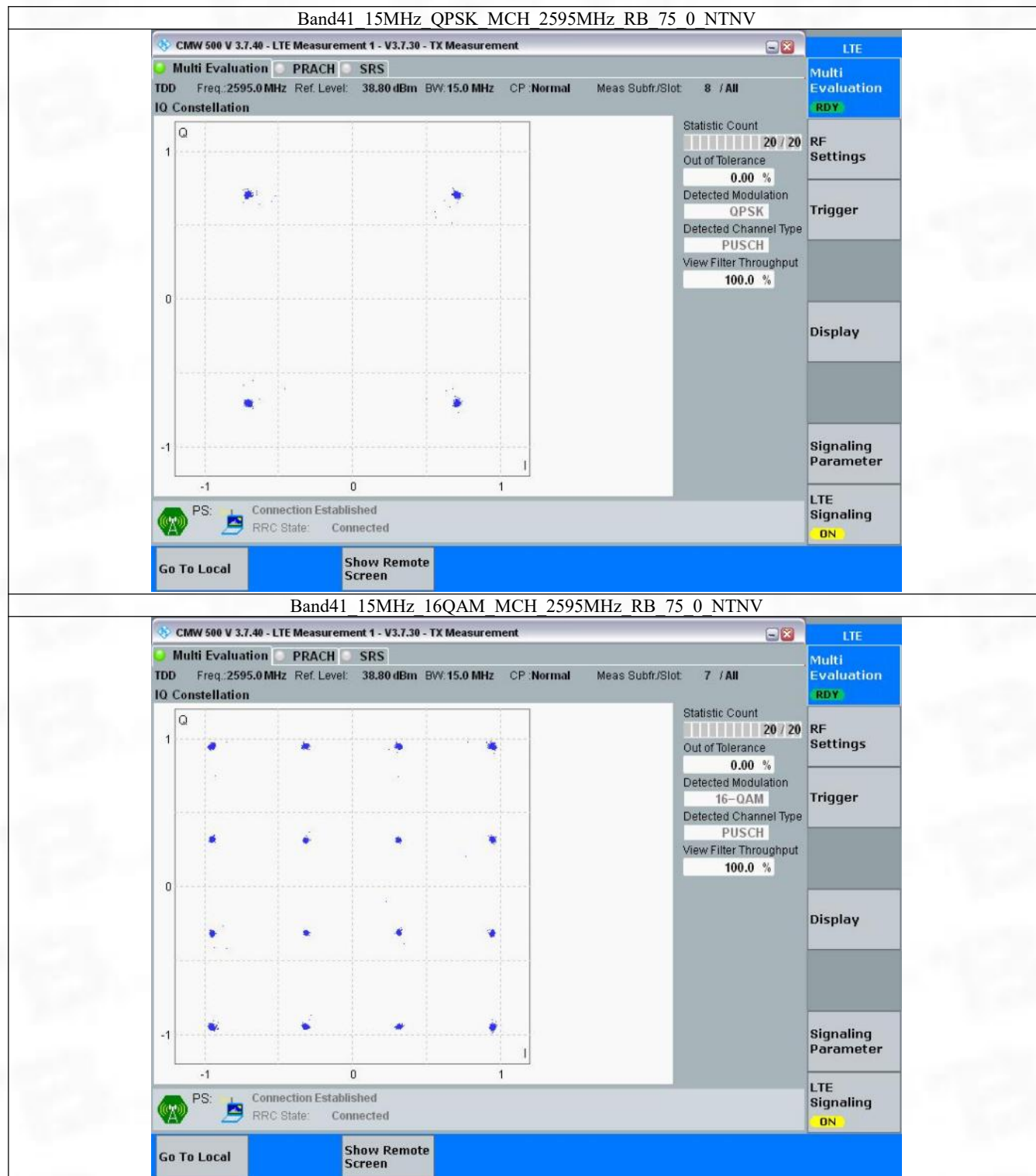
3.2.1 B41_5MHz



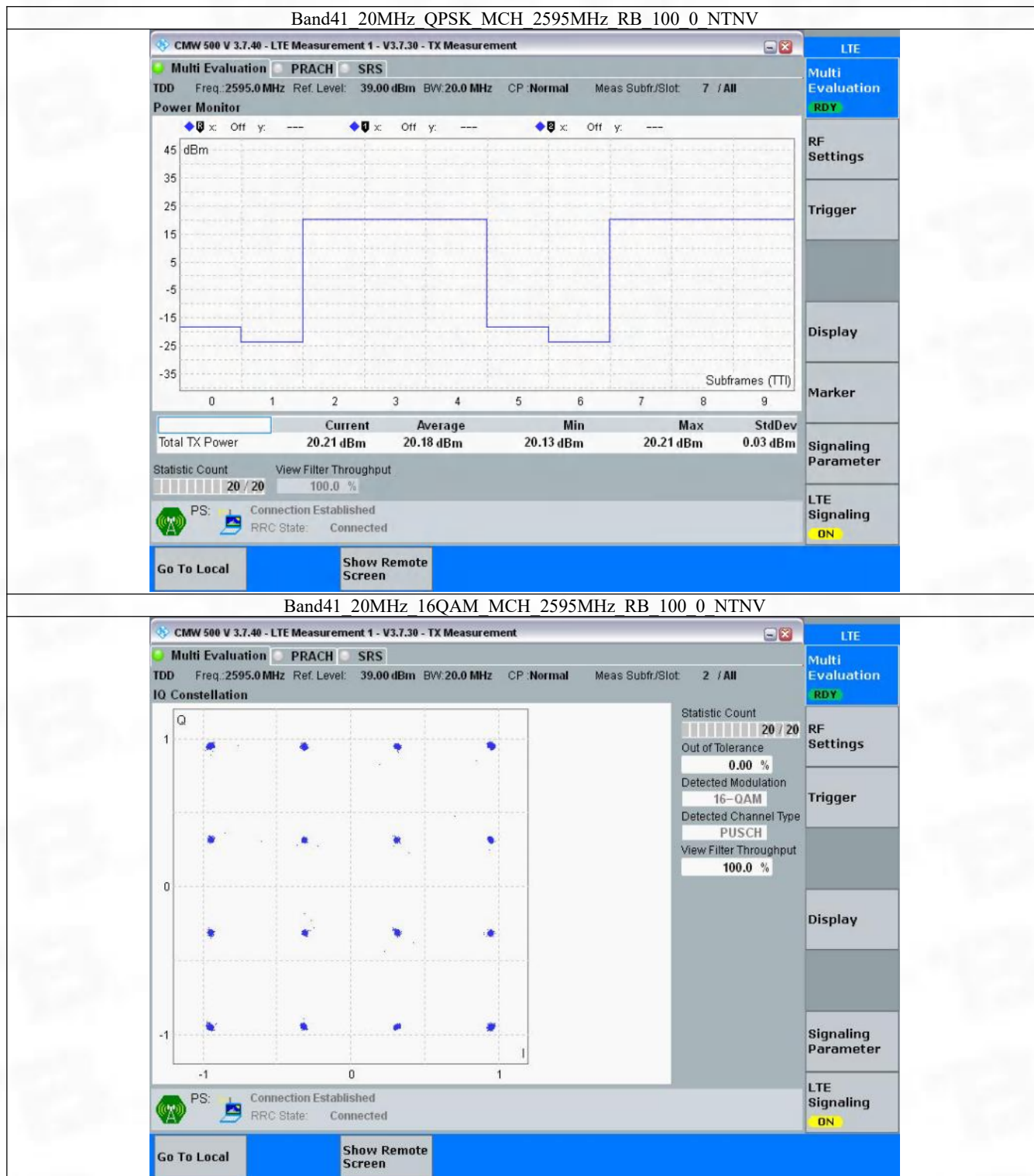
3.2.2 B41_10MHz



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	2537.5	25	0	4.552	/	Pass
		2595	25	0	4.553	/	Pass
		2652.5	25	0	4.544	/	Pass
	16QAM	2537.5	25	0	4.575	/	Pass
		2595	25	0	4.540	/	Pass
		2652.5	25	0	4.532	/	Pass
10	QPSK	2540	50	0	9.083	/	Pass
		2595	50	0	9.064	/	Pass
		2650	50	0	9.079	/	Pass
	16QAM	2540	50	0	9.091	/	Pass
		2595	50	0	9.071	/	Pass
		2650	50	0	9.098	/	Pass
15	QPSK	2542.5	75	0	13.575	/	Pass
		2595	75	0	13.578	/	Pass
		2647.5	75	0	13.624	/	Pass
	16QAM	2542.5	75	0	13.645	/	Pass
		2595	75	0	13.643	/	Pass
		2647.5	75	0	13.603	/	Pass
20	QPSK	2545	100	0	18.111	/	Pass
		2595	100	0	18.072	/	Pass
		2645	100	0	18.122	/	Pass
	16QAM	2545	100	0	18.090	/	Pass
		2595	100	0	18.143	/	Pass
		2645	100	0	18.073	/	Pass

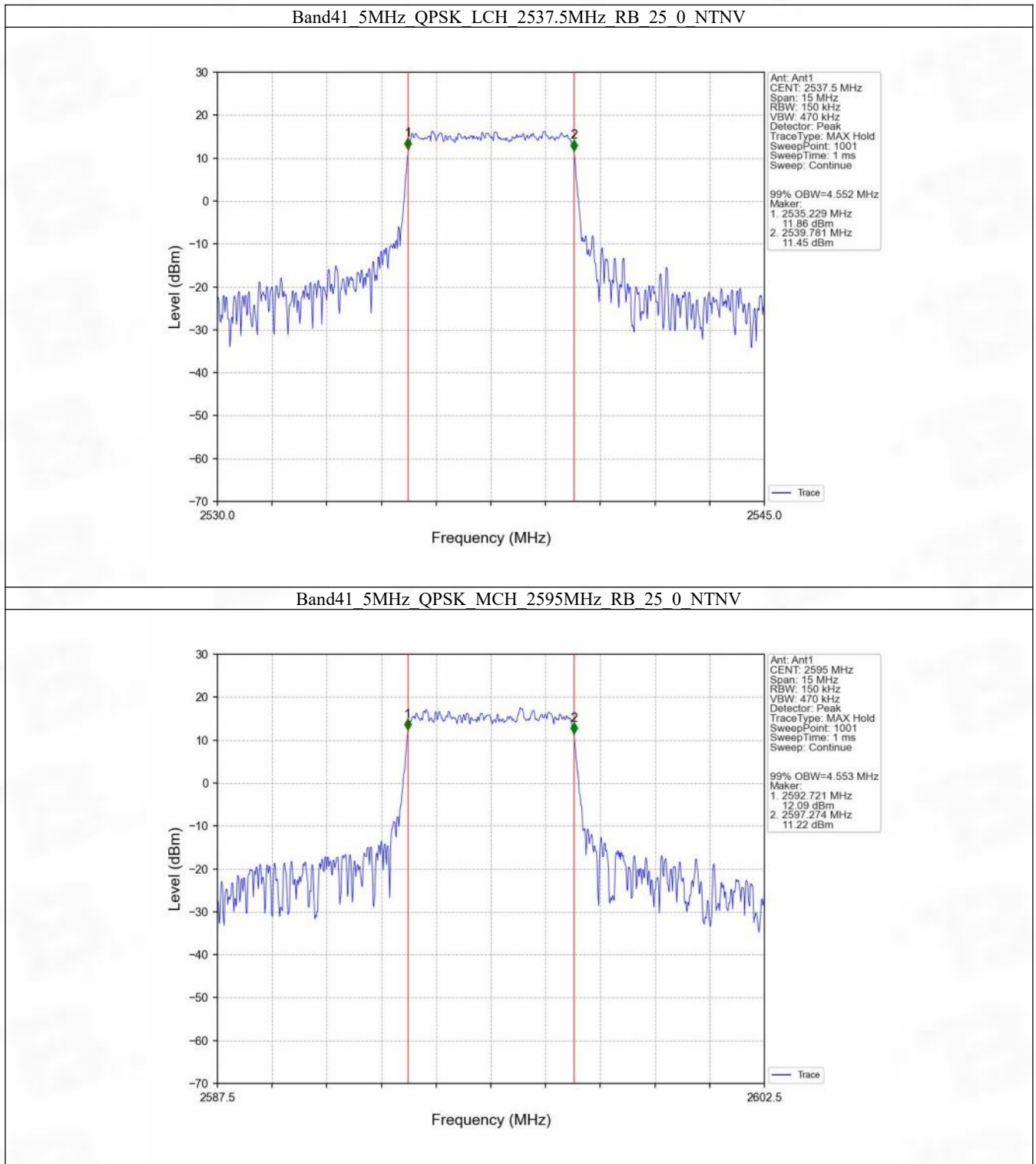
4.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2537.5	25	0	5.430	/	Pass
		2595	25	0	5.085	/	Pass
		2652.5	25	0	5.406	/	Pass
	16QAM	2537.5	25	0	5.334	/	Pass
		2595	25	0	5.439	/	Pass
		2652.5	25	0	4.979	/	Pass
10	QPSK	2540	50	0	10.235	/	Pass
		2595	50	0	9.916	/	Pass
		2650	50	0	11.082	/	Pass
	16QAM	2540	50	0	12.128	/	Pass
		2595	50	0	10.346	/	Pass
		2650	50	0	9.974	/	Pass
15	QPSK	2542.5	75	0	15.726	/	Pass
		2595	75	0	16.000	/	Pass
		2647.5	75	0	15.488	/	Pass
	16QAM	2542.5	75	0	17.699	/	Pass
		2595	75	0	16.669	/	Pass
		2647.5	75	0	15.488	/	Pass

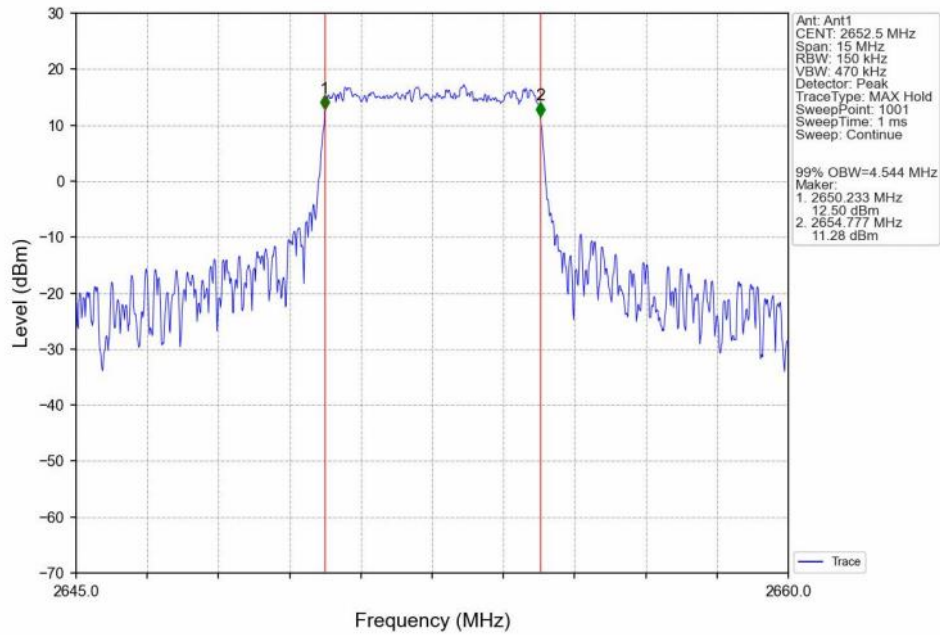
		2647.5	75	0	15.627	/	Pass
20	QPSK	2545	100	0	20.763	/	Pass
		2595	100	0	19.825	/	Pass
		2645	100	0	20.483	/	Pass
		2545	100	0	21.335	/	Pass
	16QAM	2595	100	0	22.496	/	Pass
		2645	100	0	19.891	/	Pass

4.2 Test Graph

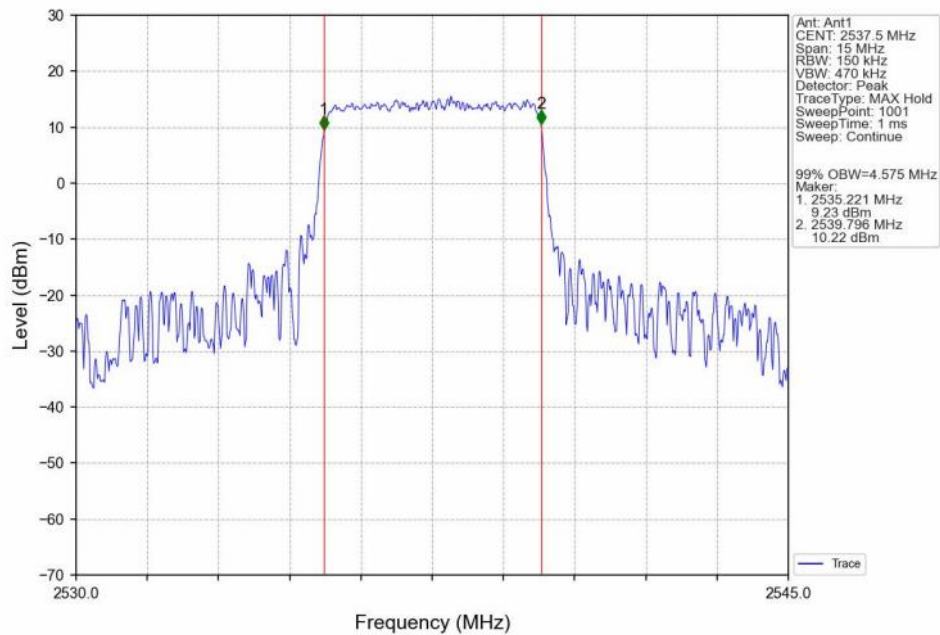
4.2.1 Band41_OBW



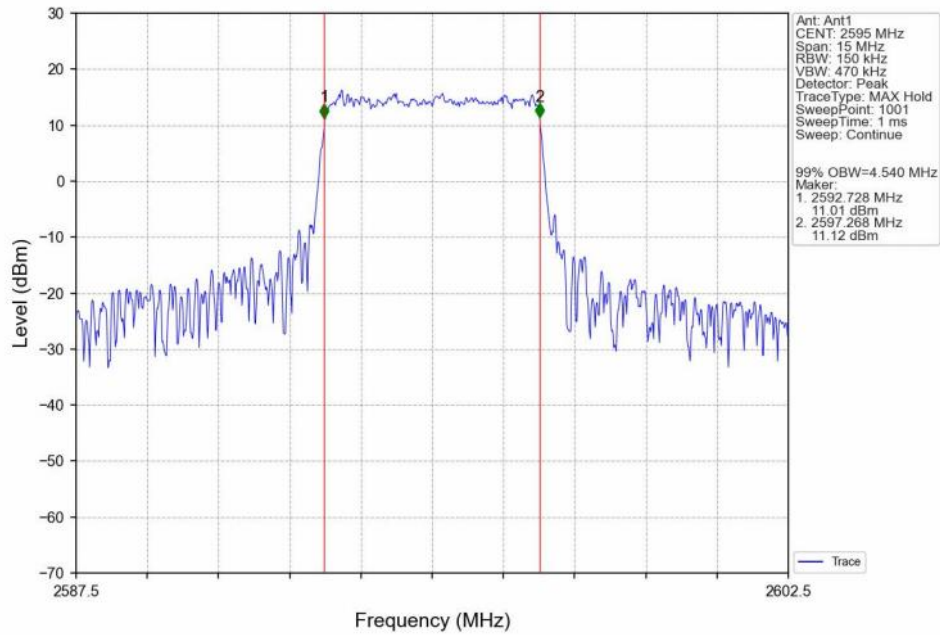
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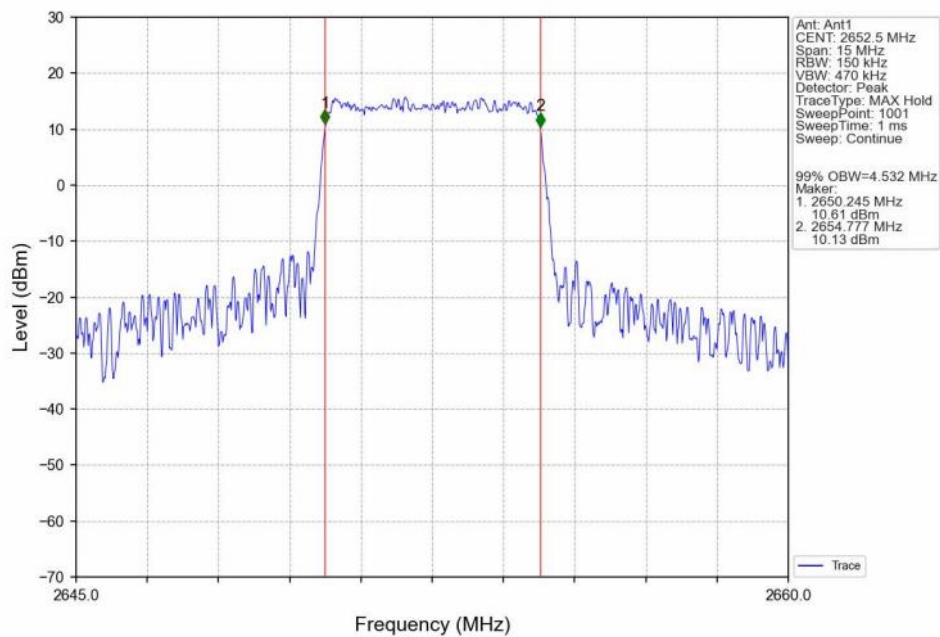
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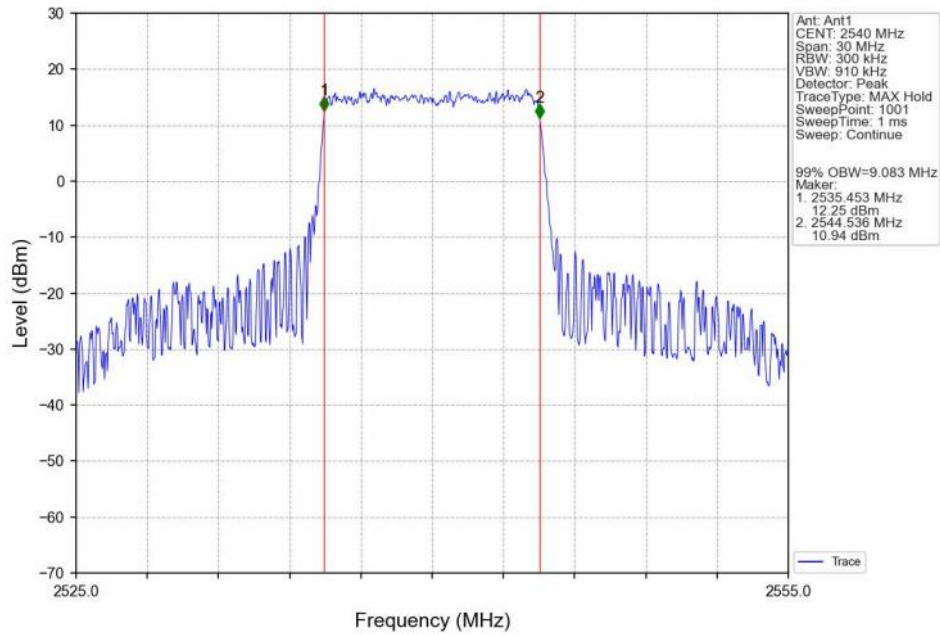
Band41_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



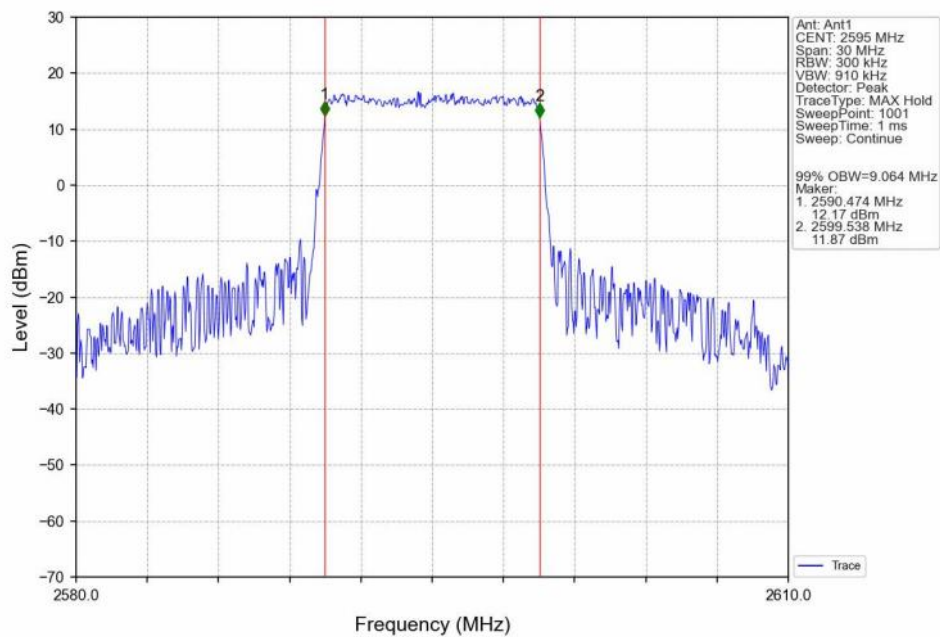
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



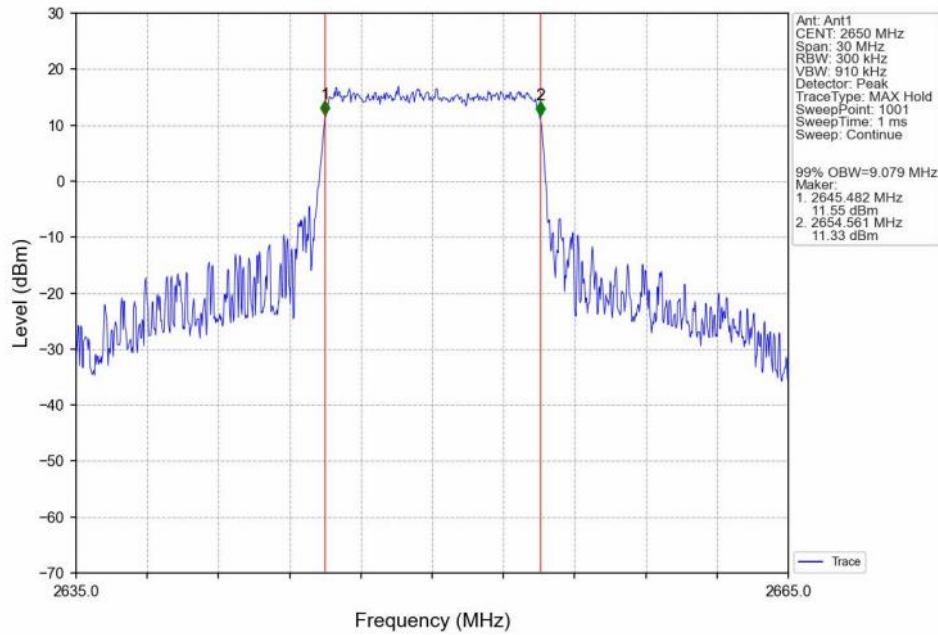
Band41 10MHz QPSK LCH 2540MHz RB 50 0 NTNV



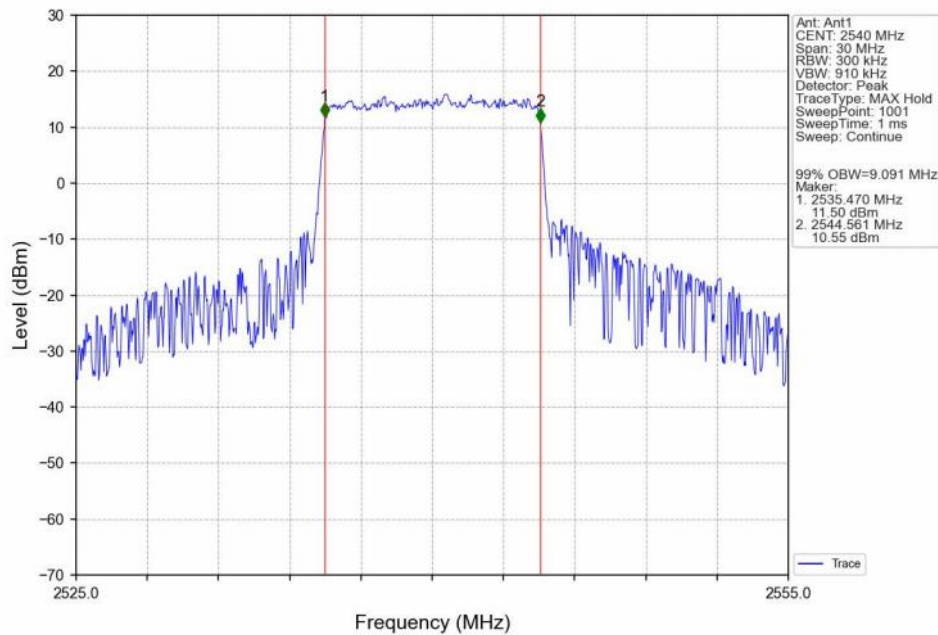
Band41 10MHz QPSK MCH 2595MHz RB 50 0 NTNV



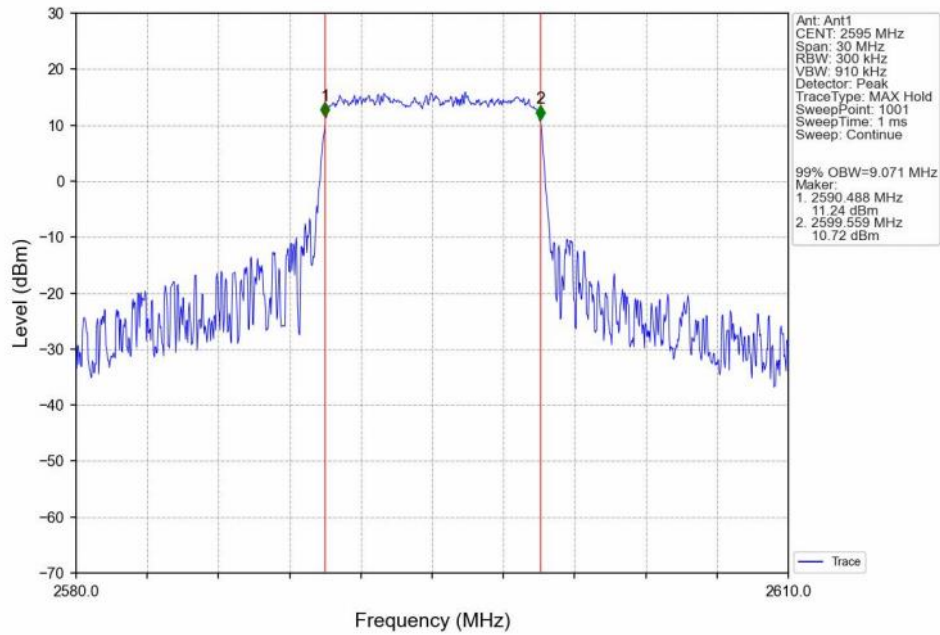
Band41 10MHz QPSK HCH 2650MHz RB 50 0 NTNV



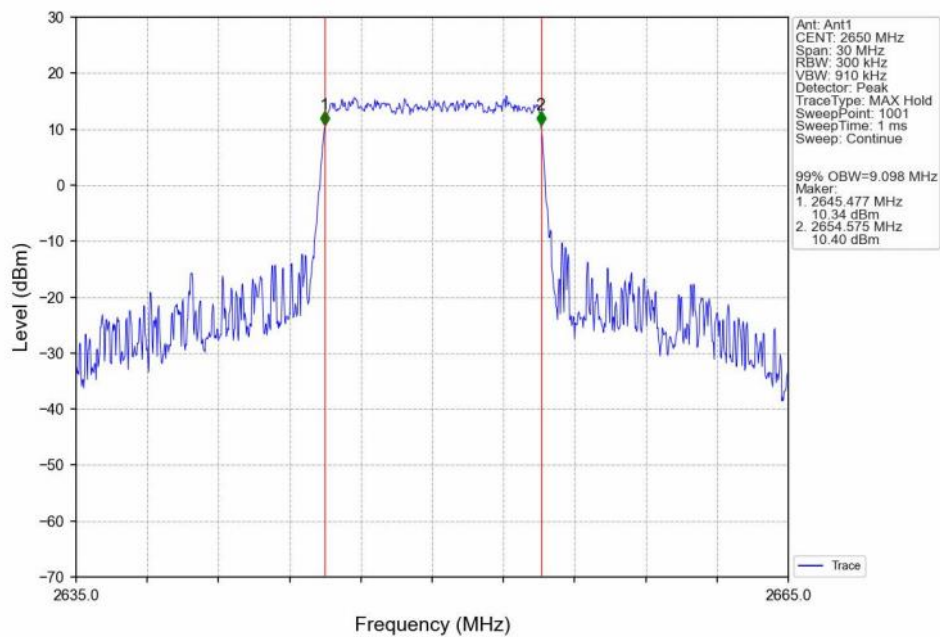
Band41 10MHz 16QAM LCH 2540MHz RB 50 0 NTNV



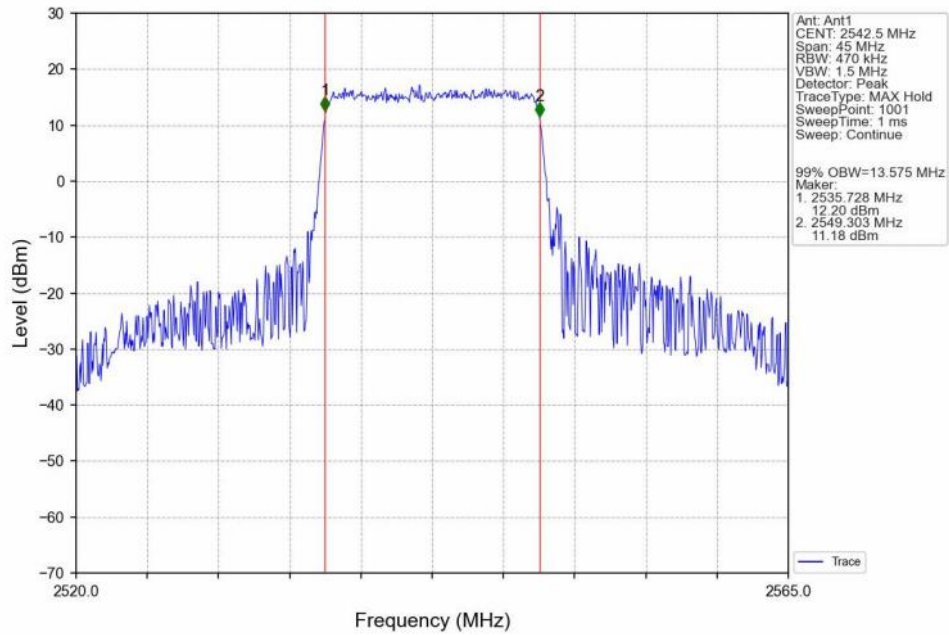
Band41 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



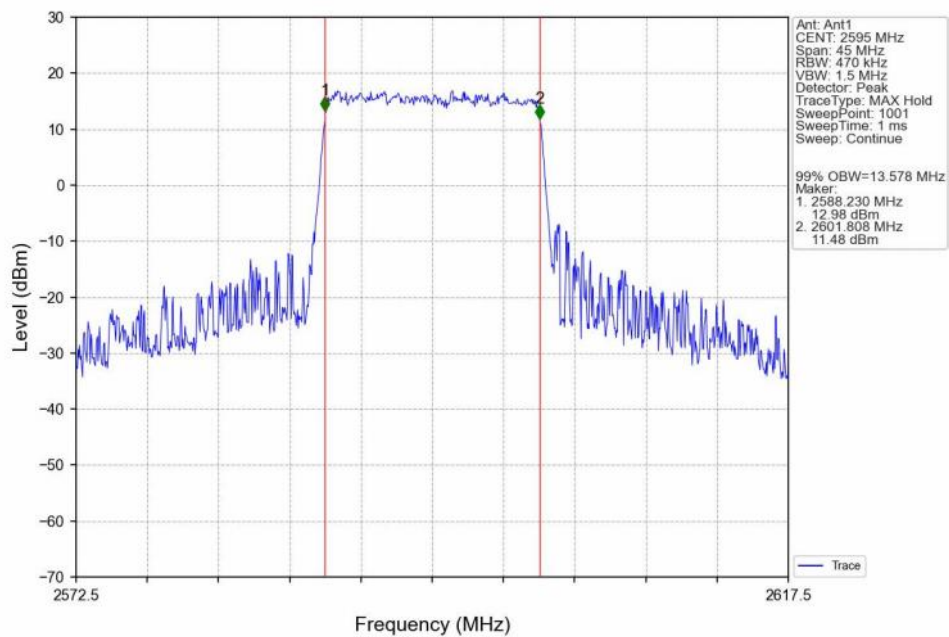
Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV



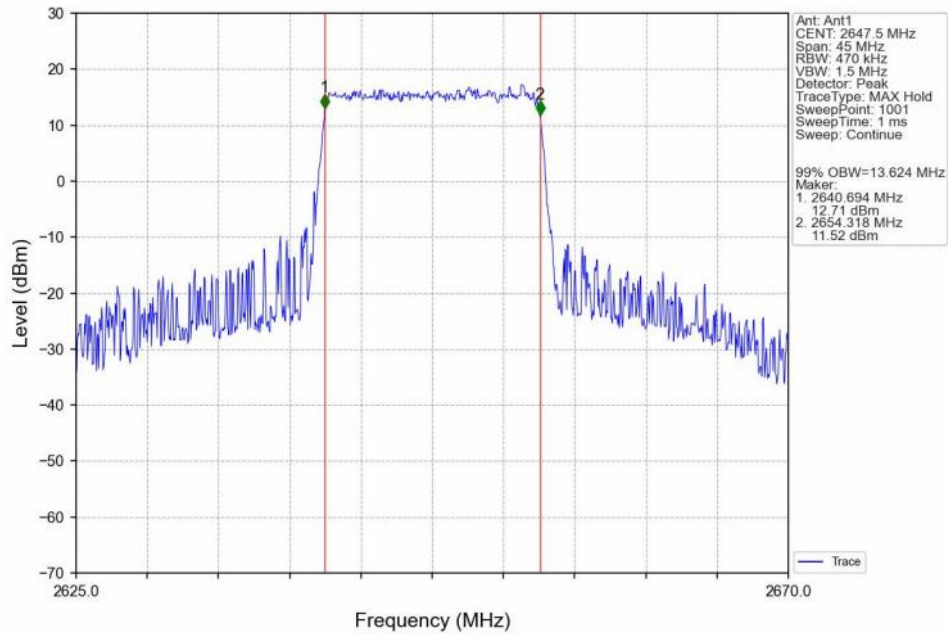
Band41 15MHz QPSK LCH 2542.5MHz RB 75 0 NTNV



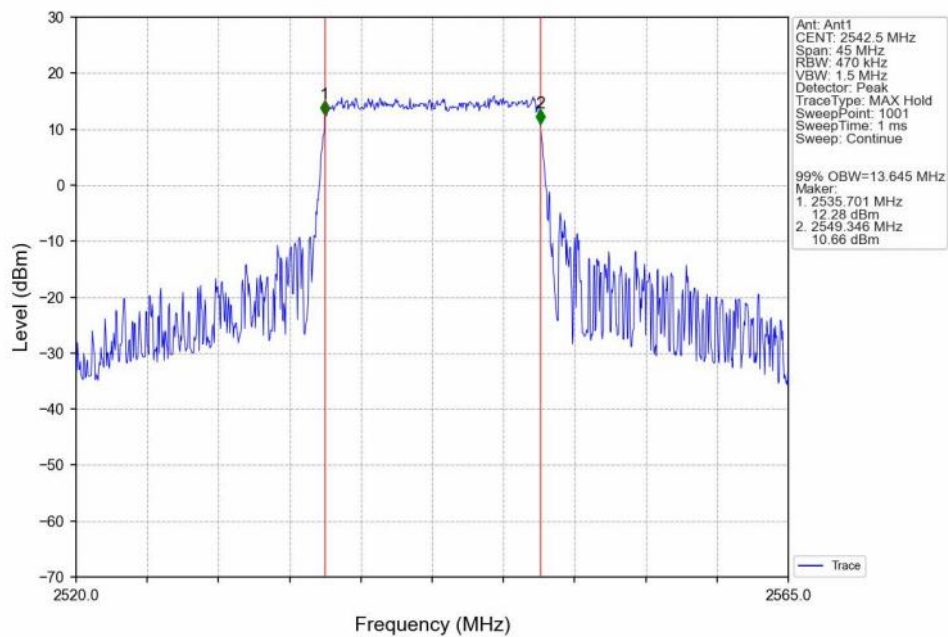
Band41 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



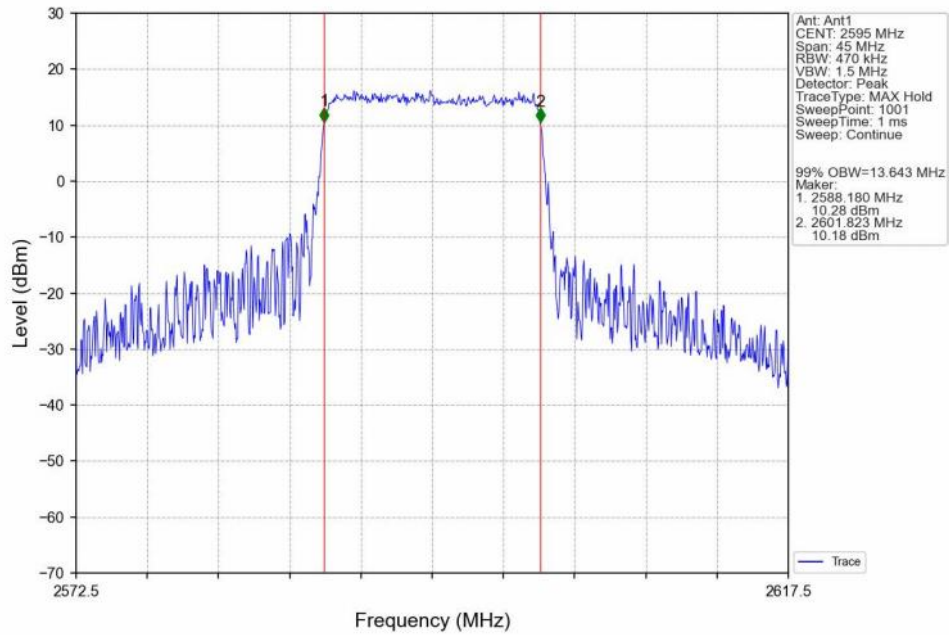
Band41 15MHz QPSK HCH 2647.5MHz RB 75 0 NTNV



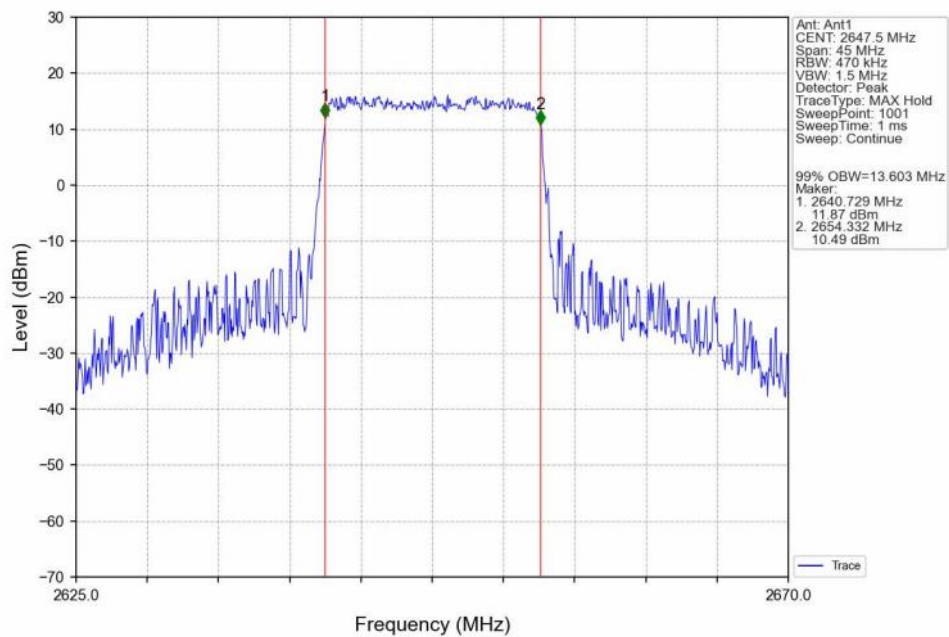
Band41 15MHz 16QAM LCH 2542.5MHz RB 75 0 NTNV



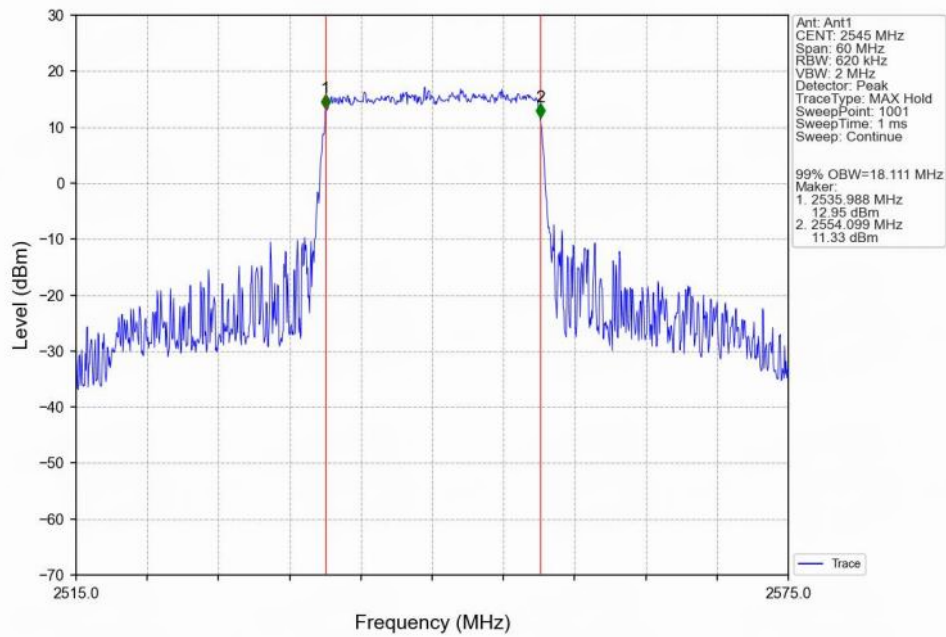
Band41 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



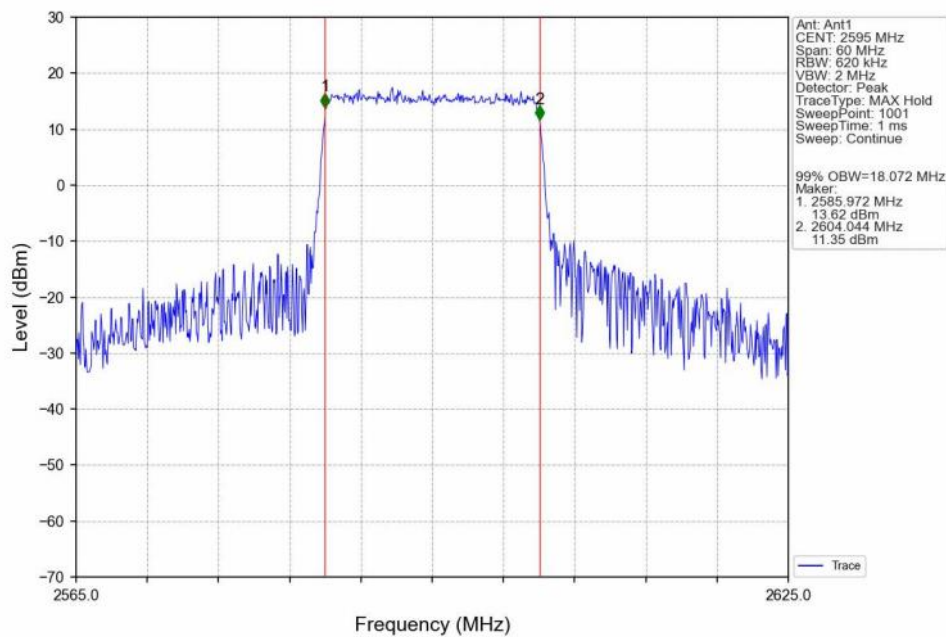
Band41 15MHz 16QAM HCH 2647.5MHz RB 75 0 NTNV



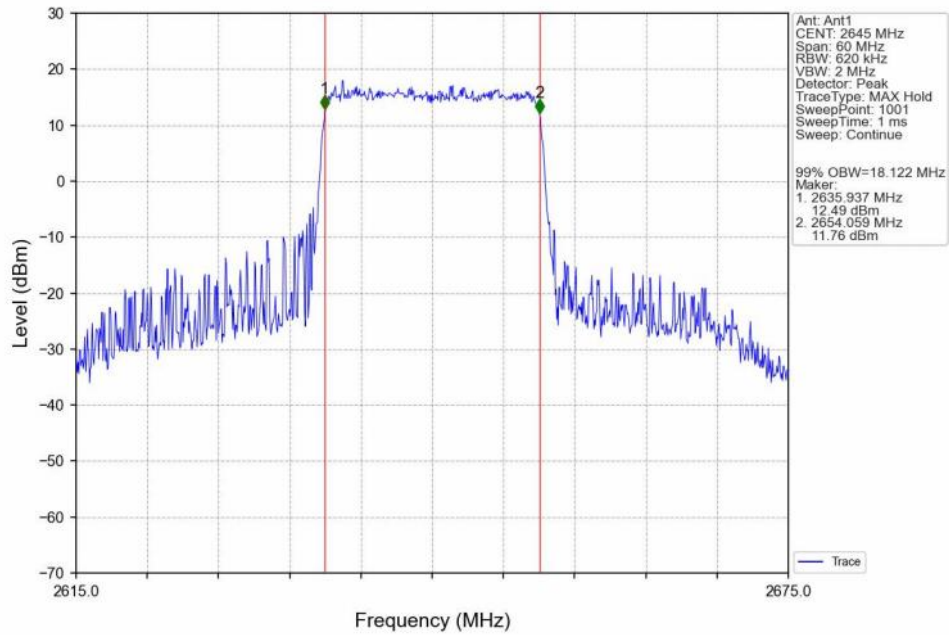
Band41_20MHz_QPSK_LCH_2545MHz_RB_100_0_NTNV



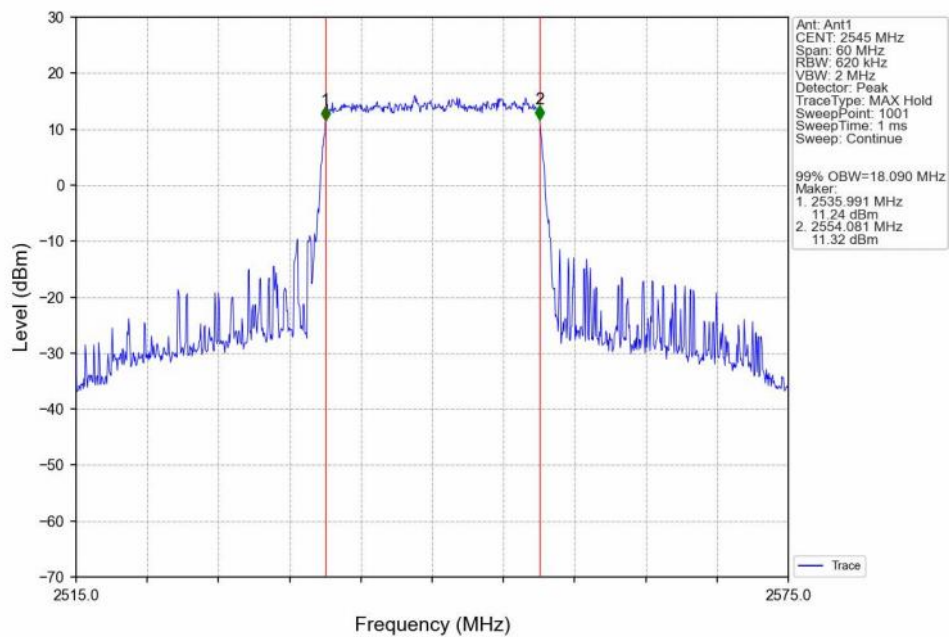
Band41_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



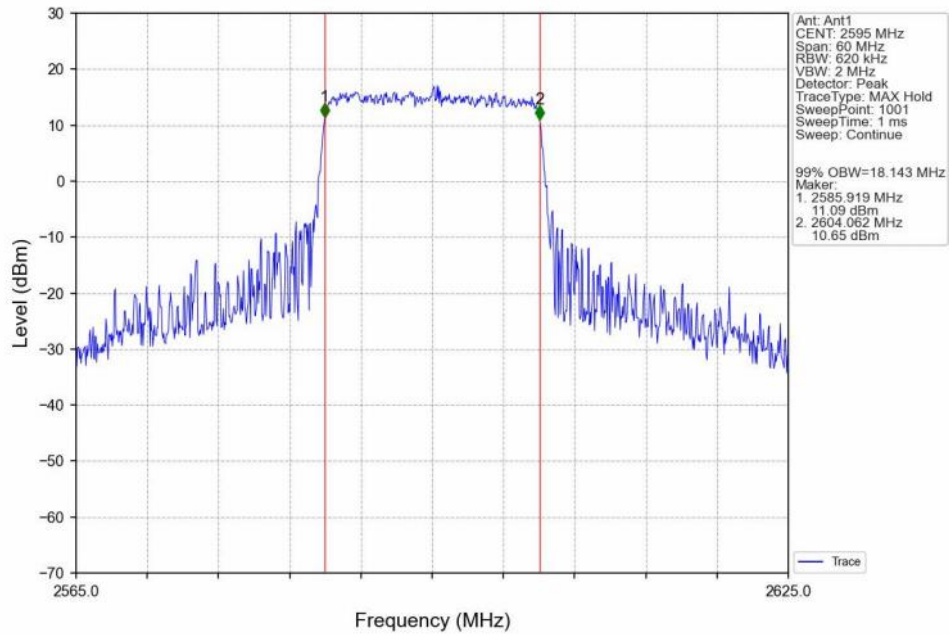
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



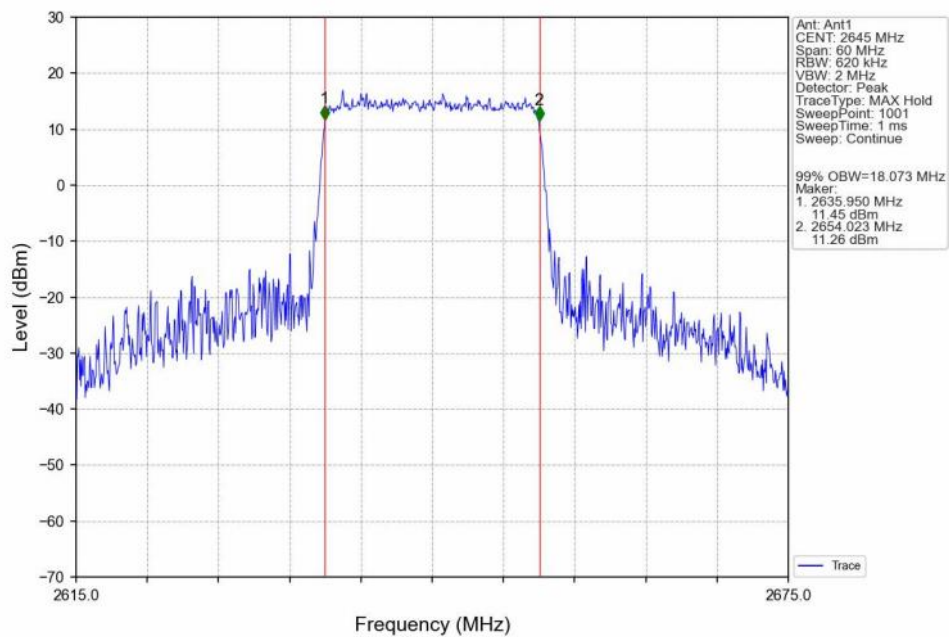
Band41_20MHz_16QAM_LCH_2545MHz_RB_100_0_NTNV



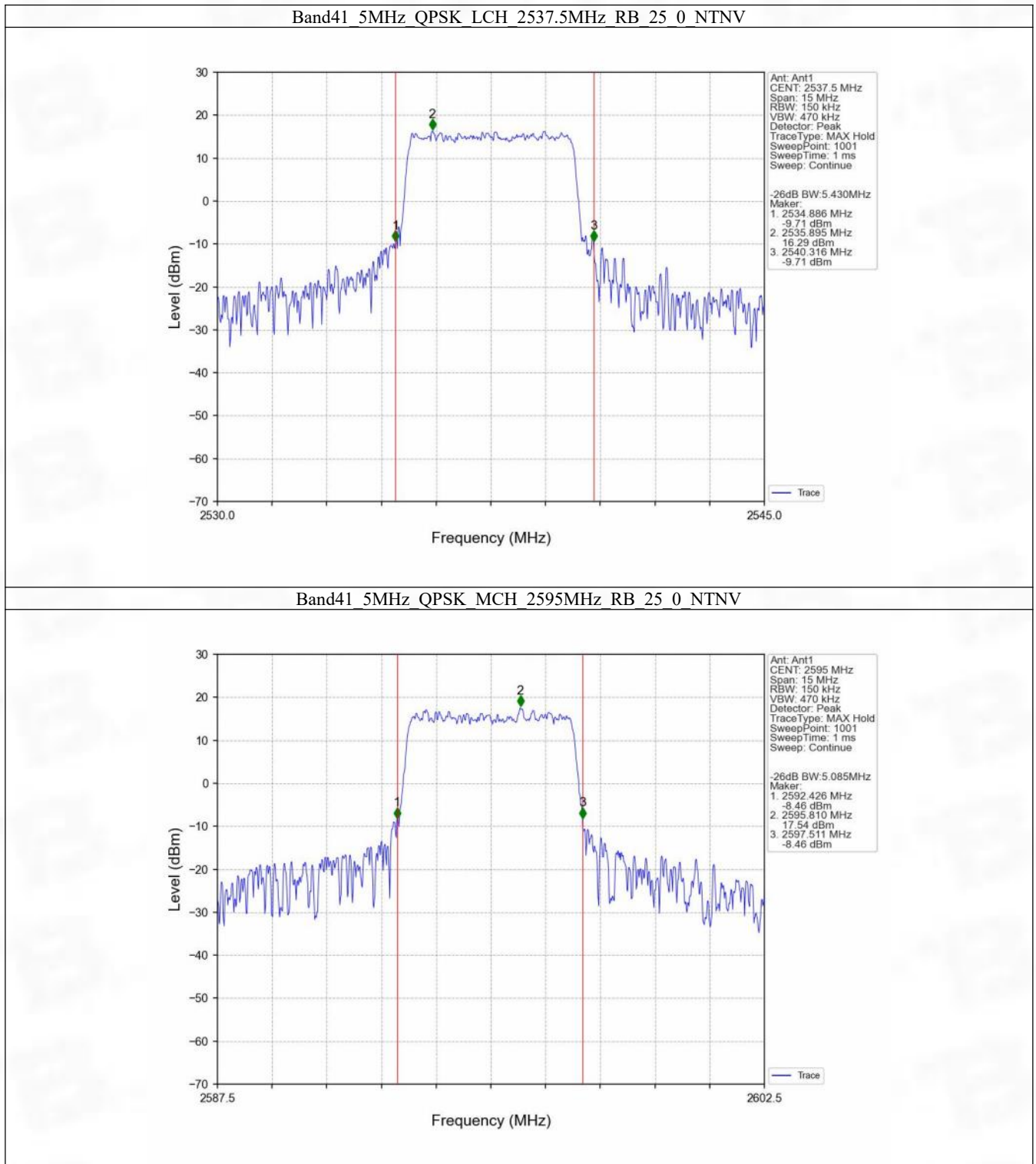
Band41_20MHz_16QAM_MCH_2595MHz_RB_100_0_NTNV



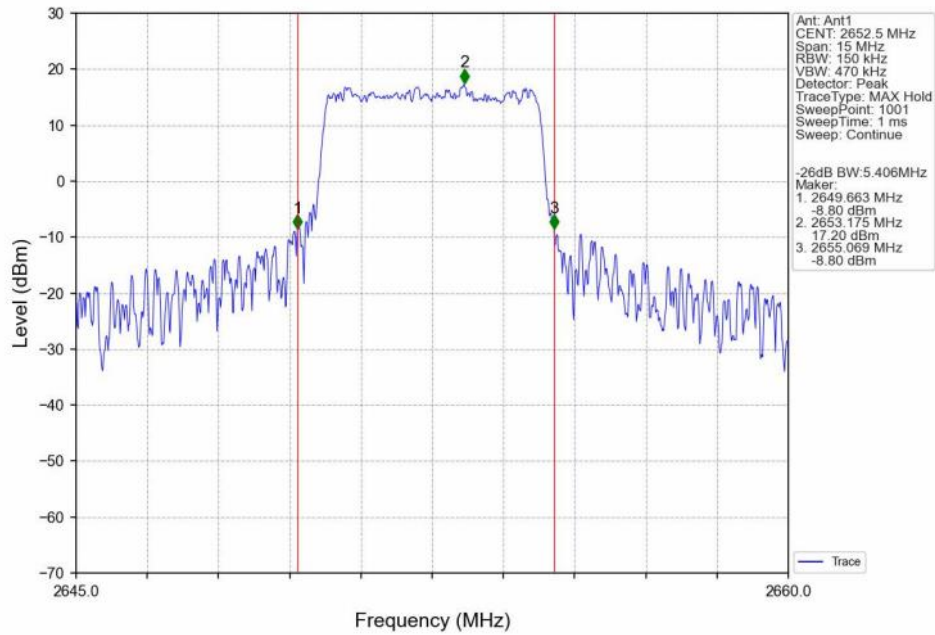
Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV



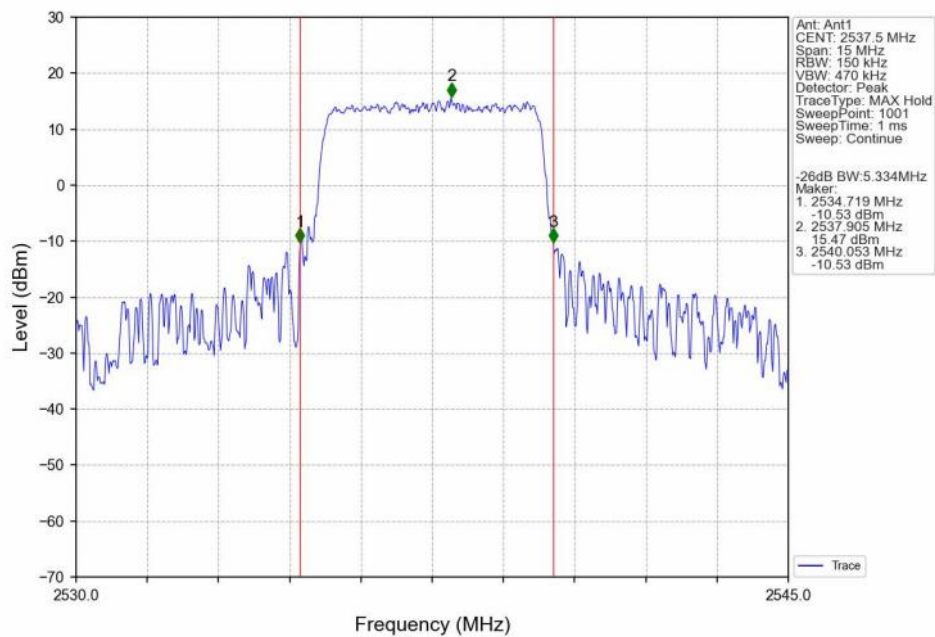
4.2.2 Band41_XDB



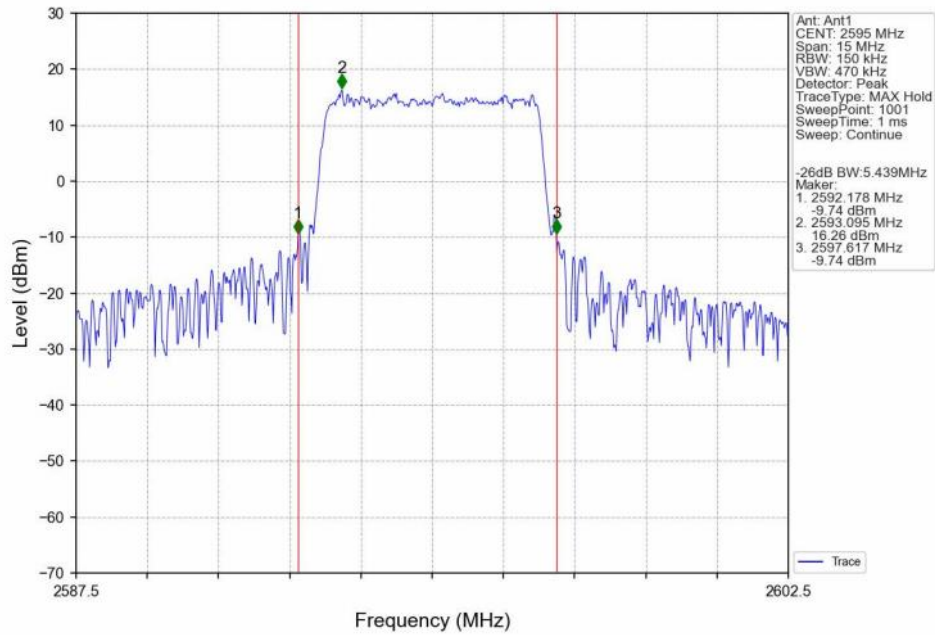
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



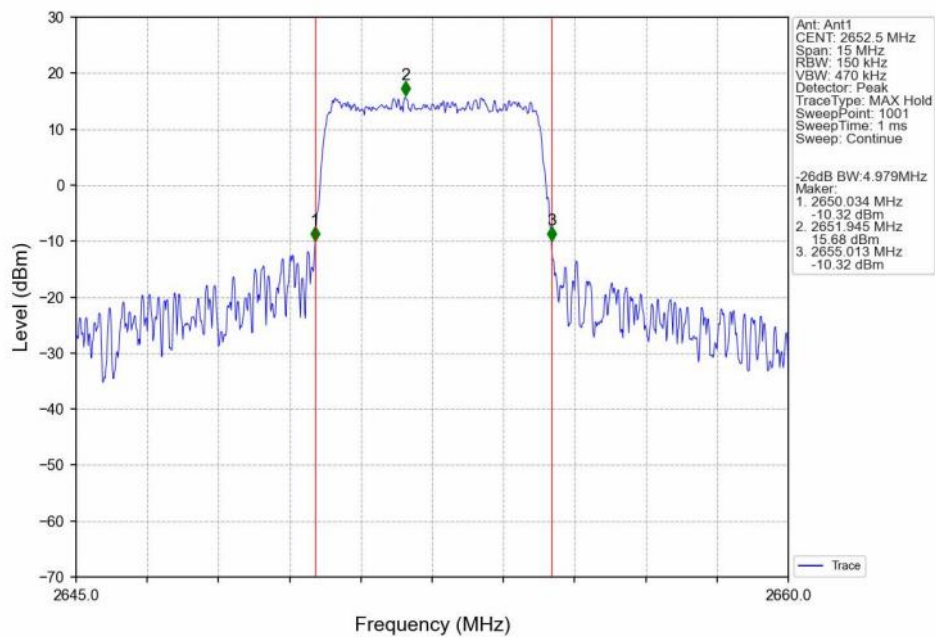
Band41_5MHz_16QAM_LCH_2537.5MHz_RB_25_0_NTNV



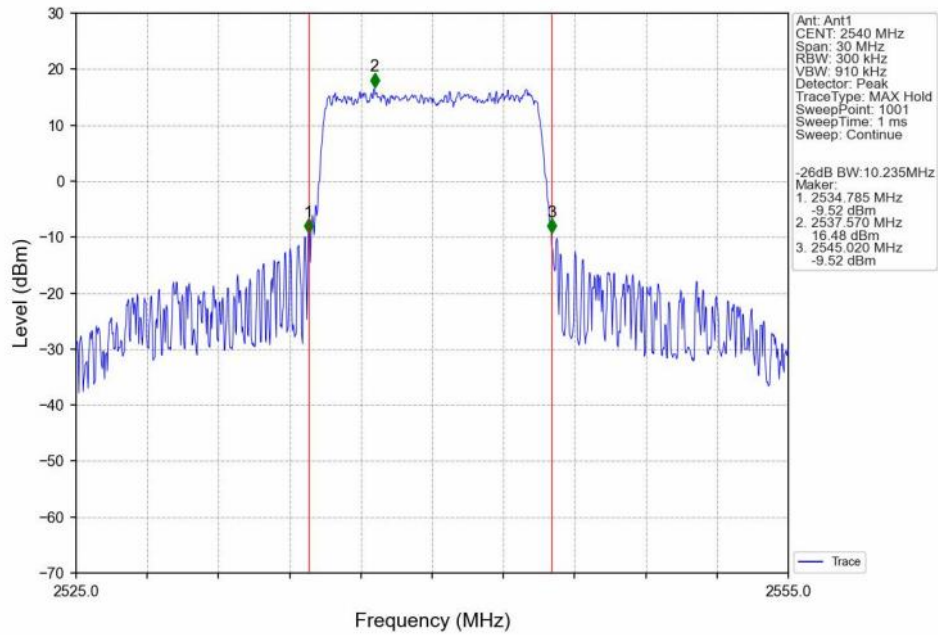
Band41_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



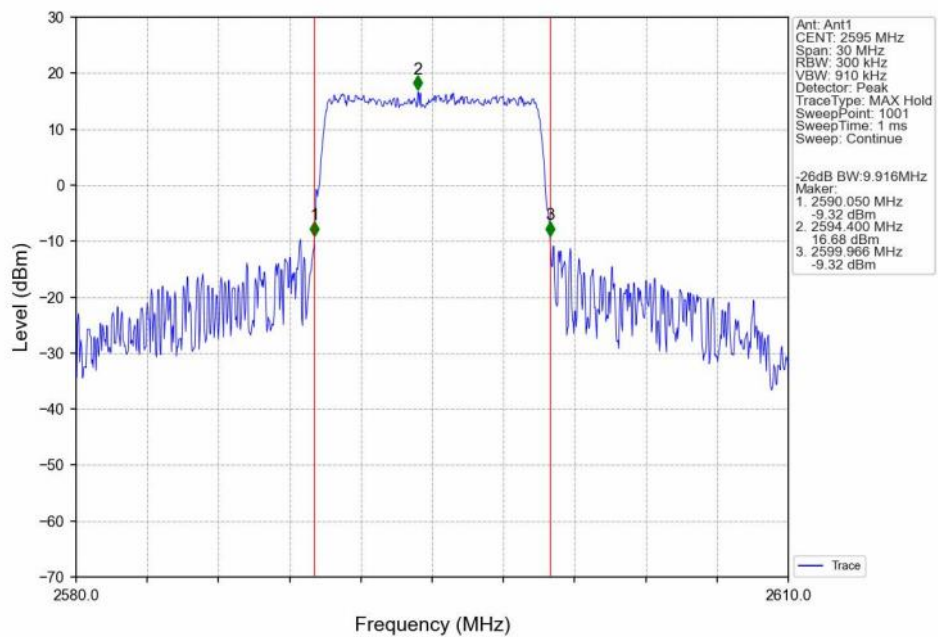
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



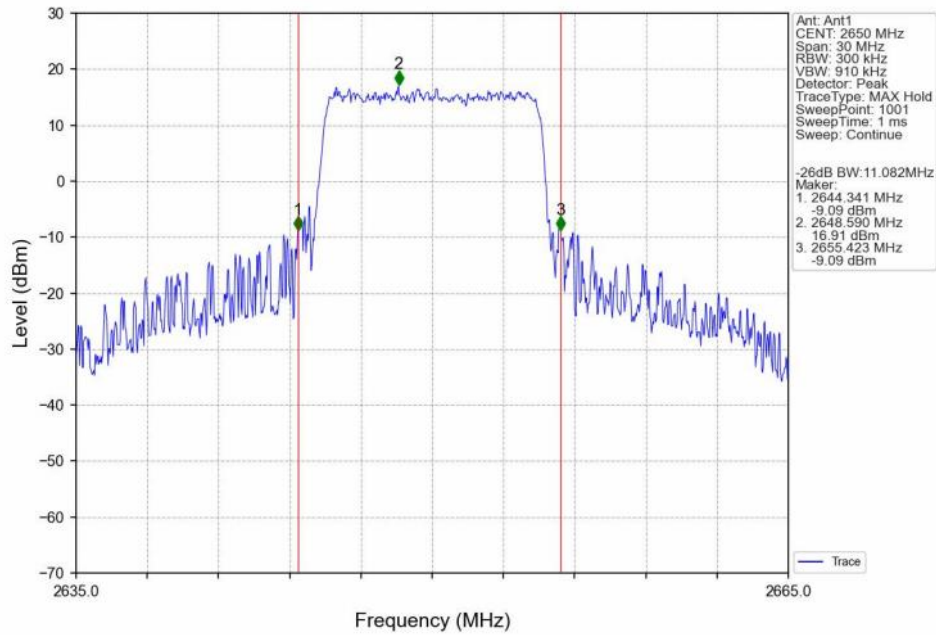
Band41 10MHz QPSK LCH 2540MHz RB 50 0 NTNV



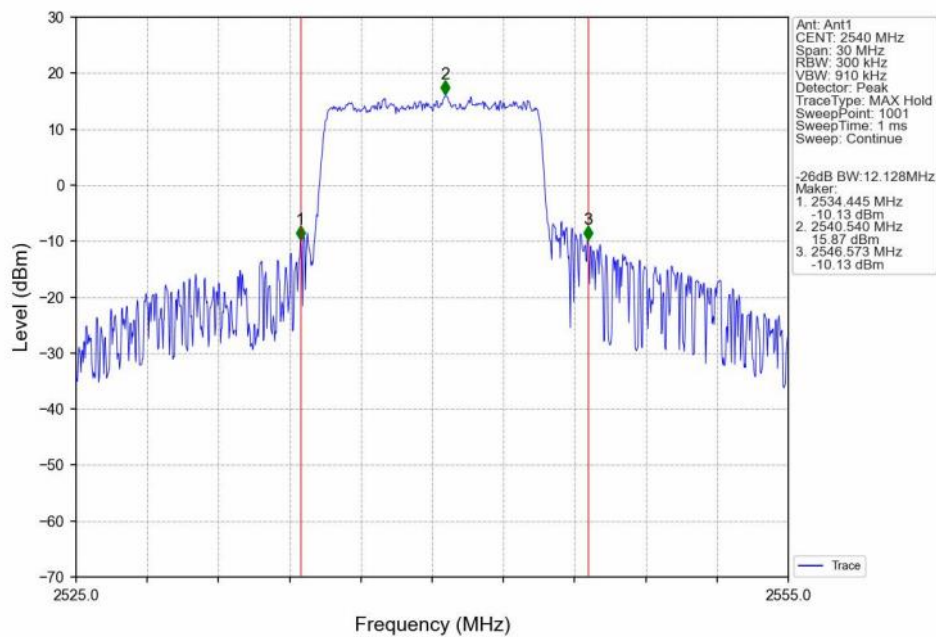
Band41 10MHz QPSK MCH 2595MHz RB 50 0 NTNV



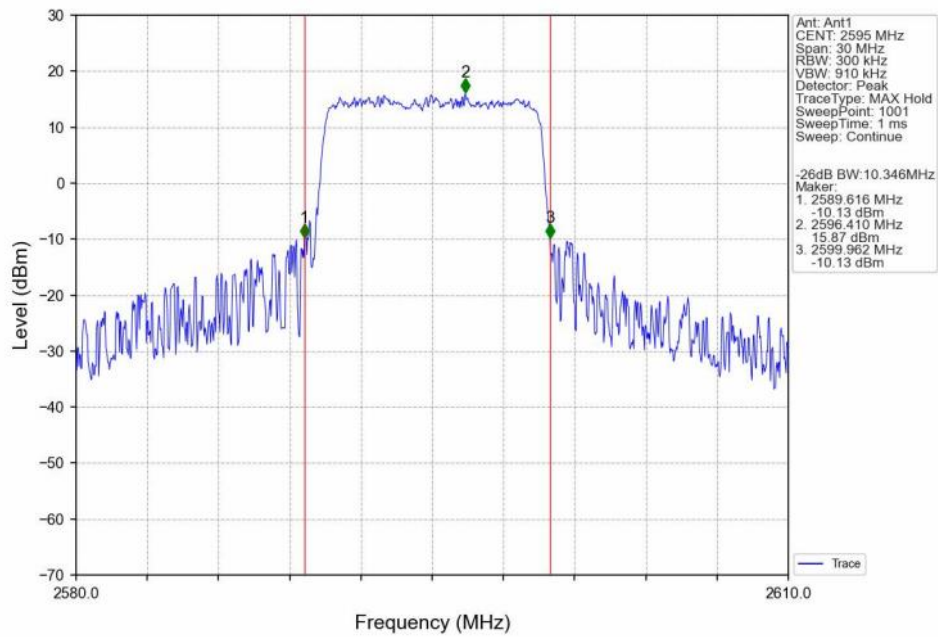
Band41 10MHz QPSK HCH 2650MHz RB 50 0 NTNV



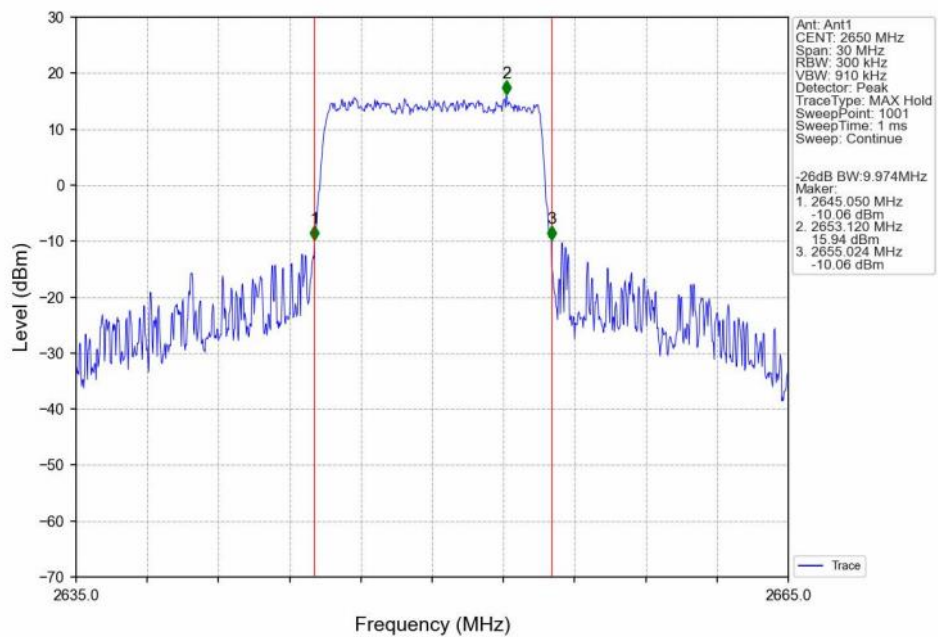
Band41 10MHz 16QAM LCH 2540MHz RB 50 0 NTNV



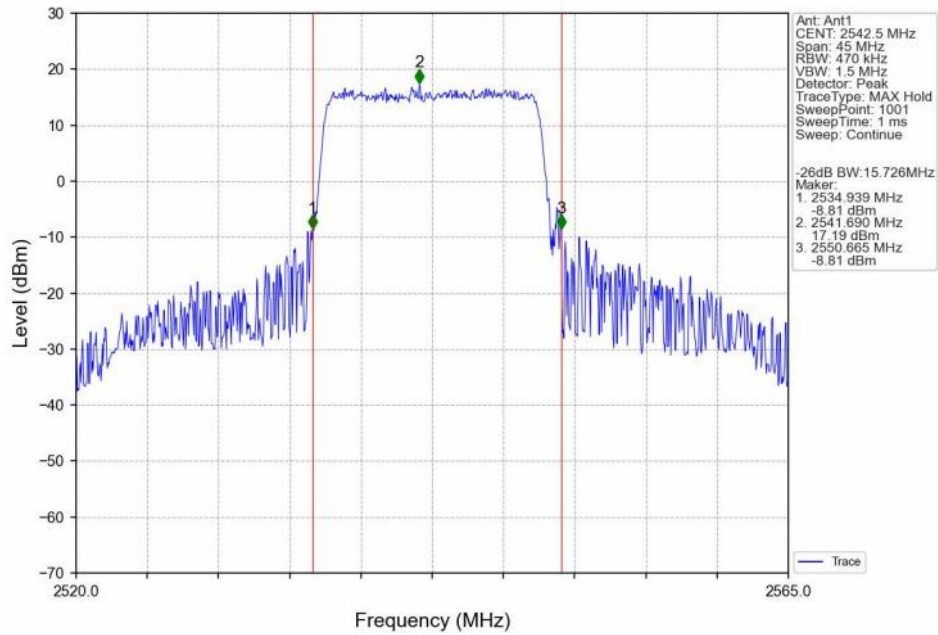
Band41 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



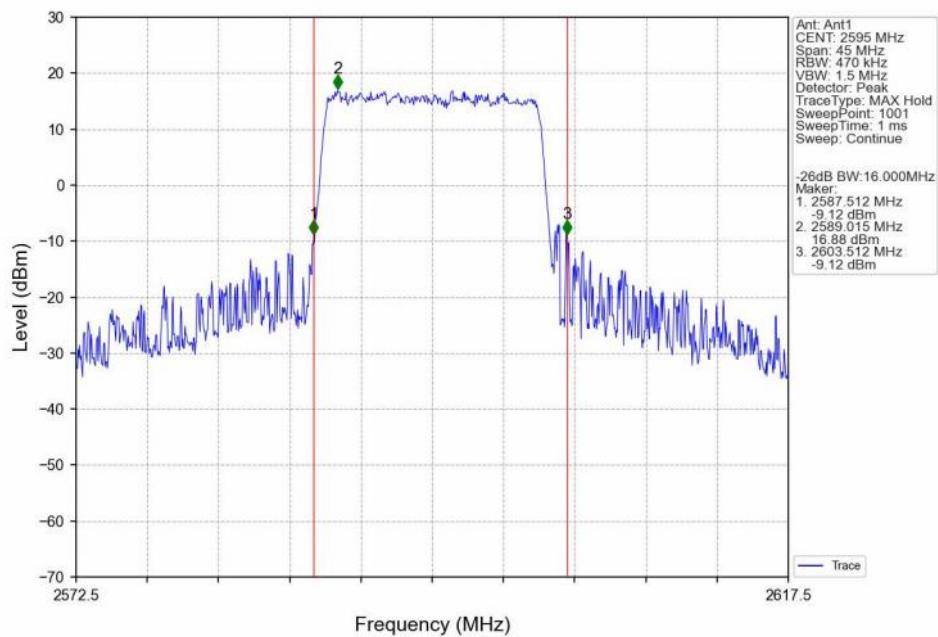
Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV



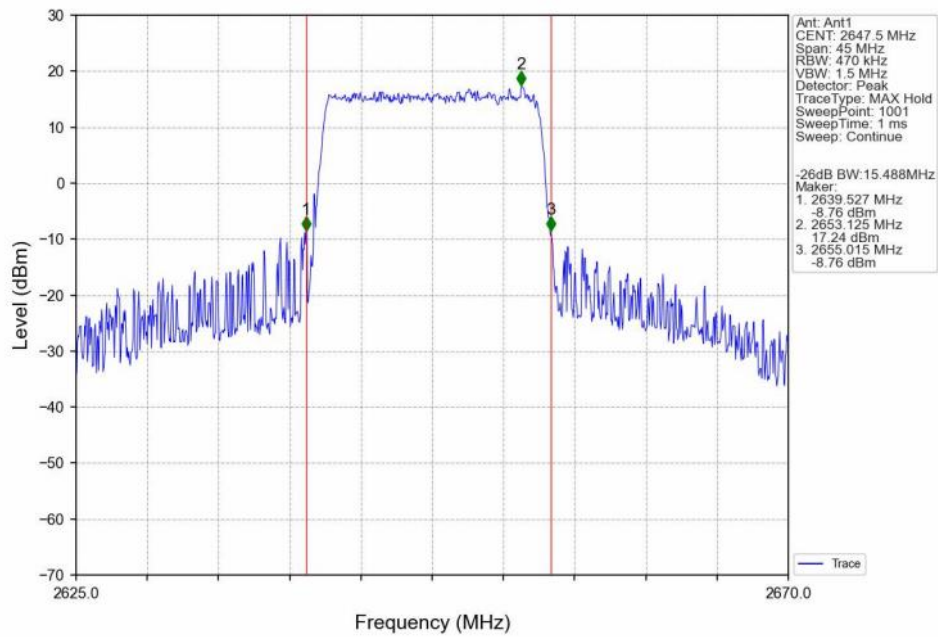
Band41 15MHz QPSK LCH 2542.5MHz RB 75 0 NTNV



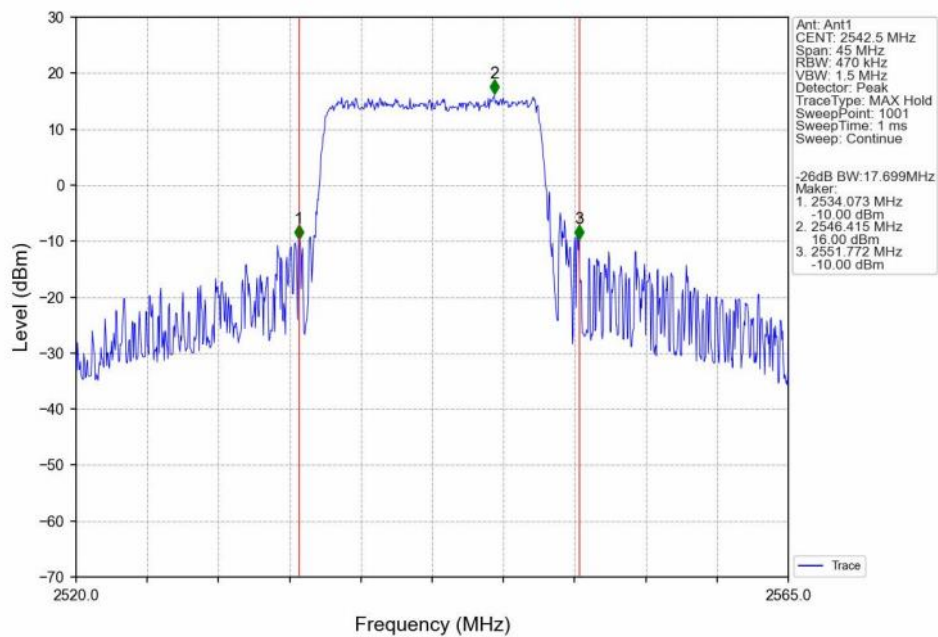
Band41 15MHz QPSK MCH 2595MHz RB 75 0 NTNV



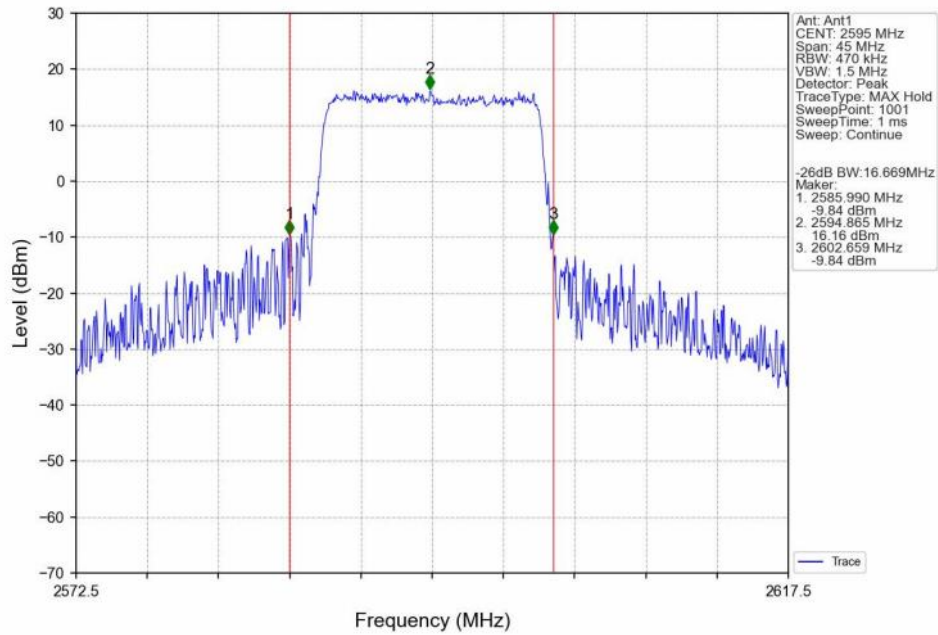
Band41 15MHz QPSK HCH 2647.5MHz RB 75 0 NTNV



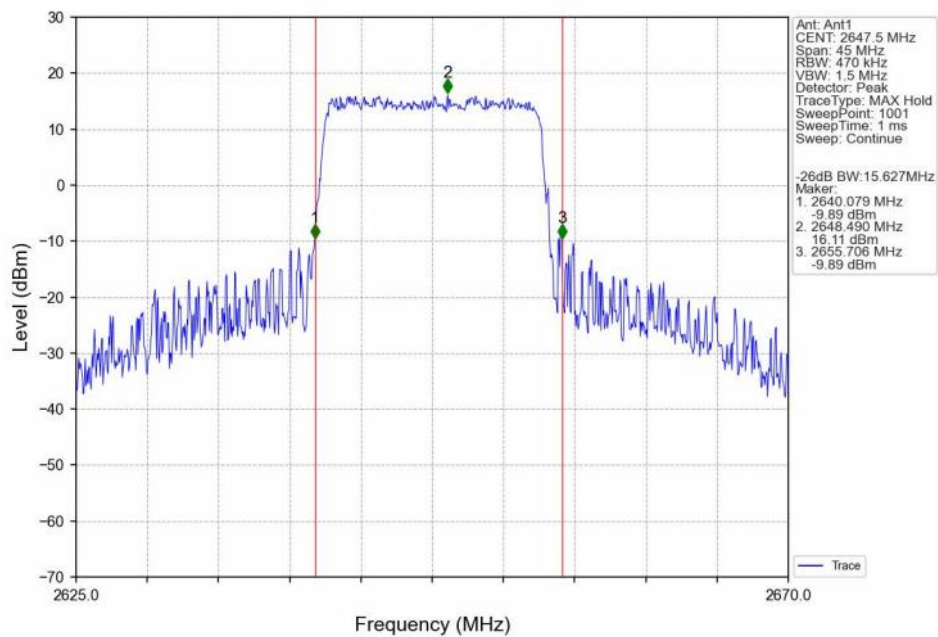
Band41 15MHz 16QAM LCH 2542.5MHz RB 75 0 NTNV



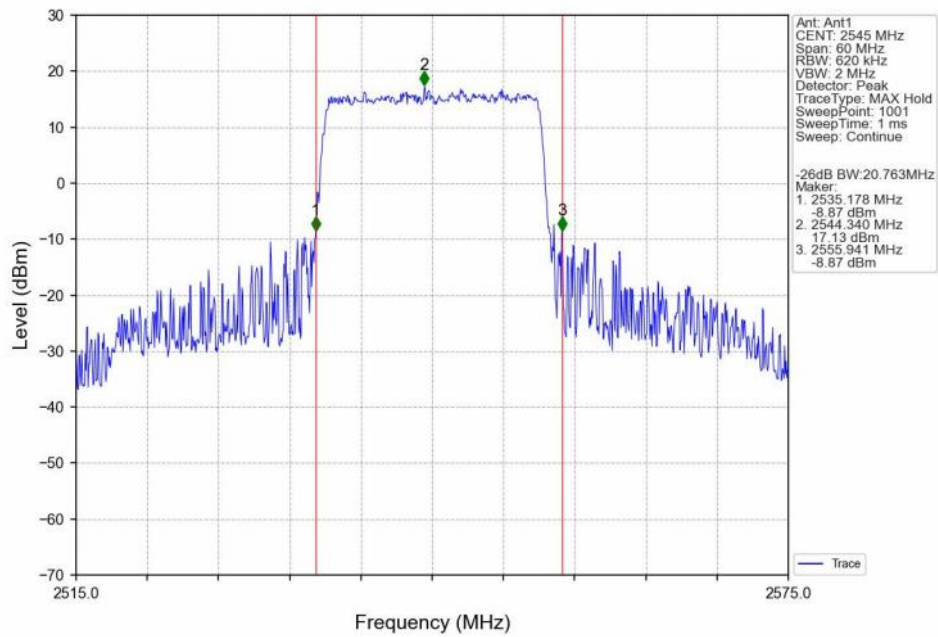
Band41 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



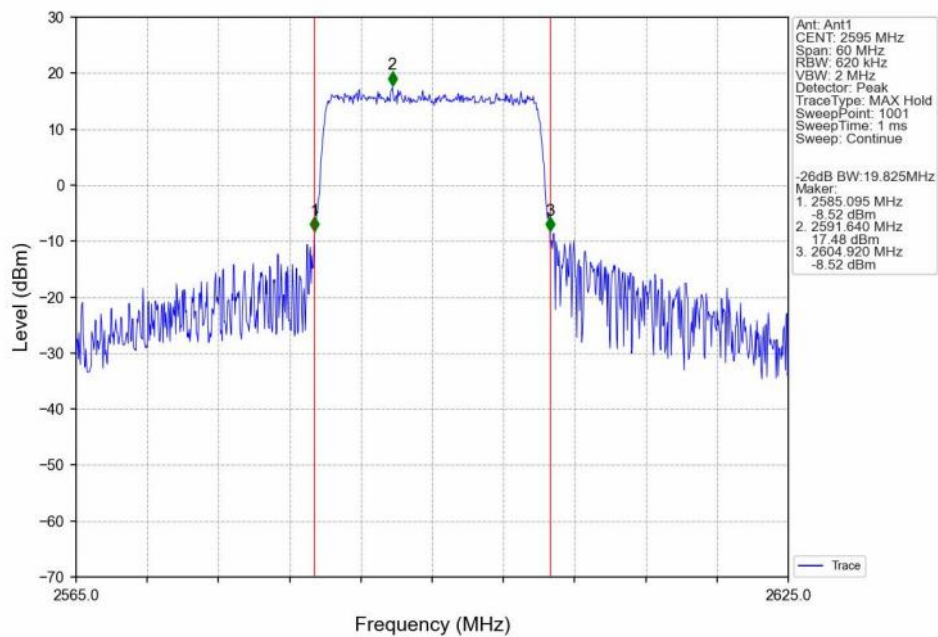
Band41 15MHz 16QAM HCH 2647.5MHz RB 75 0 NTNV



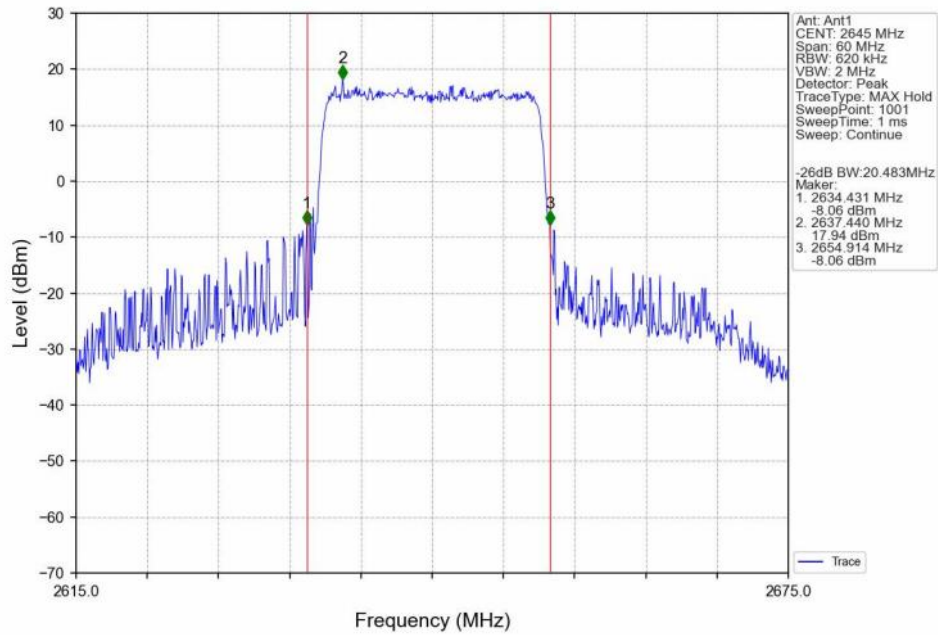
Band41_20MHz_QPSK_LCH_2545MHz_RB_100_0_NTNV



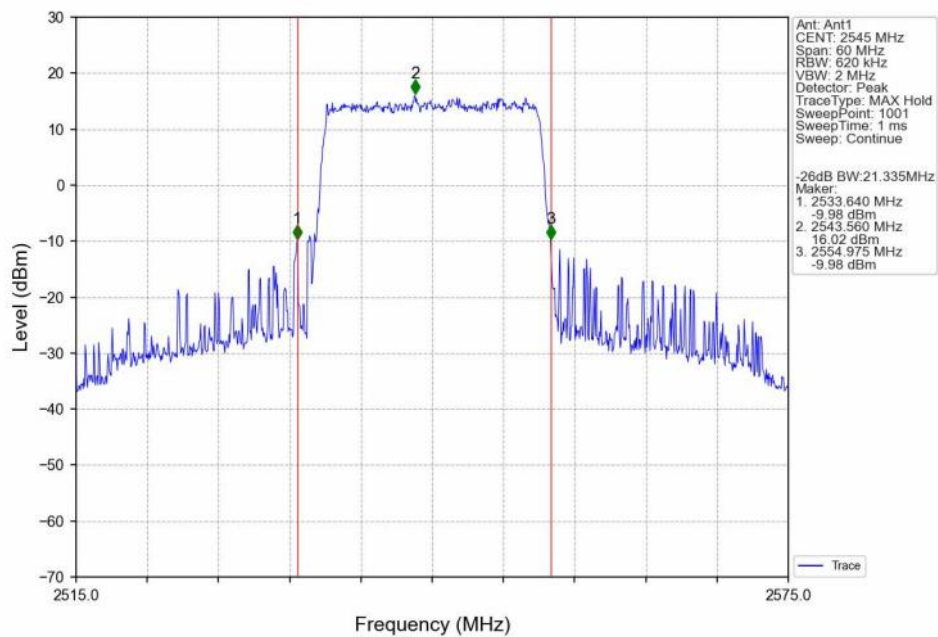
Band41_20MHz_QPSK_MCH_2595MHz_RB_100_0_NTNV



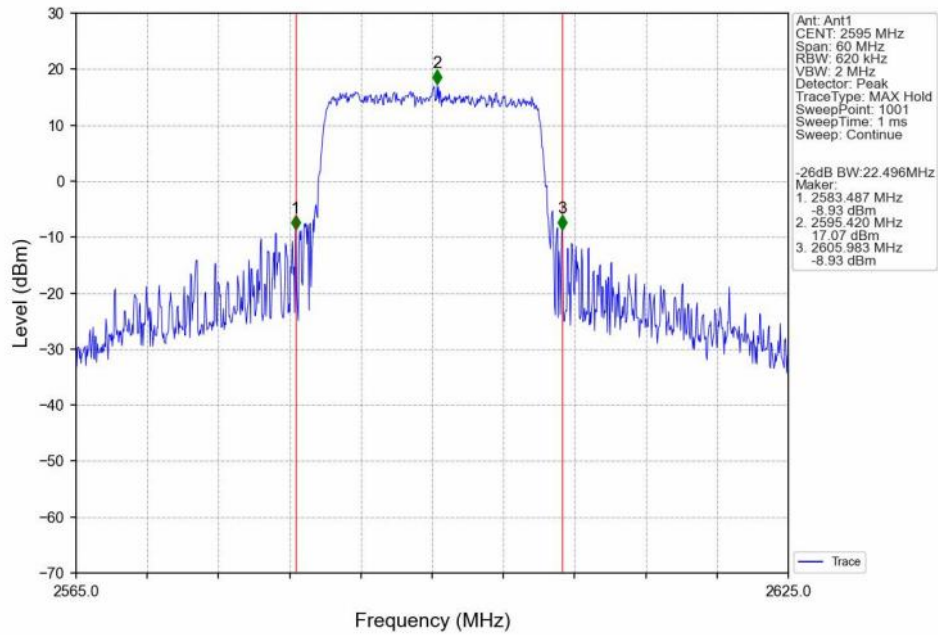
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



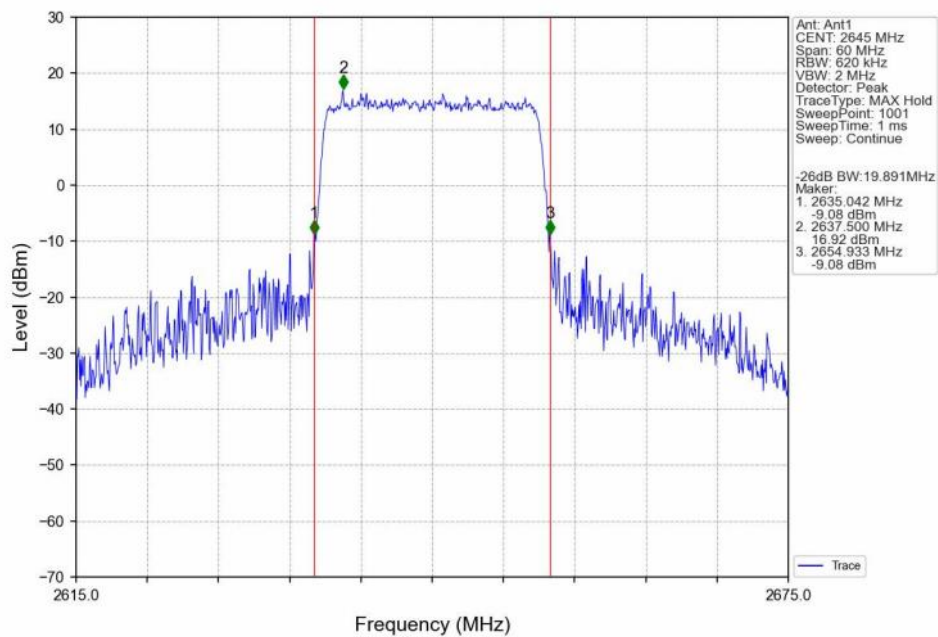
Band41_20MHz_16QAM_LCH_2545MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2595MHz_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	2537.5	25	0	7.56	≤ 13	Pass
	2595	25	0	7.68	≤ 13	Pass
	2652.5	25	0	7.62	≤ 13	Pass
16QAM	2537.5	25	0	8.27	≤ 13	Pass
	2595	25	0	8.23	≤ 13	Pass
	2652.5	25	0	8.18	≤ 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	2540	50	0	7.60	≤ 13	Pass
	2595	50	0	7.45	≤ 13	Pass
	2650	50	0	7.52	≤ 13	Pass
16QAM	2540	50	0	8.27	≤ 13	Pass
	2595	50	0	8.53	≤ 13	Pass
	2650	50	0	8.35	≤ 13	Pass

5.1.3 B41_15MHz

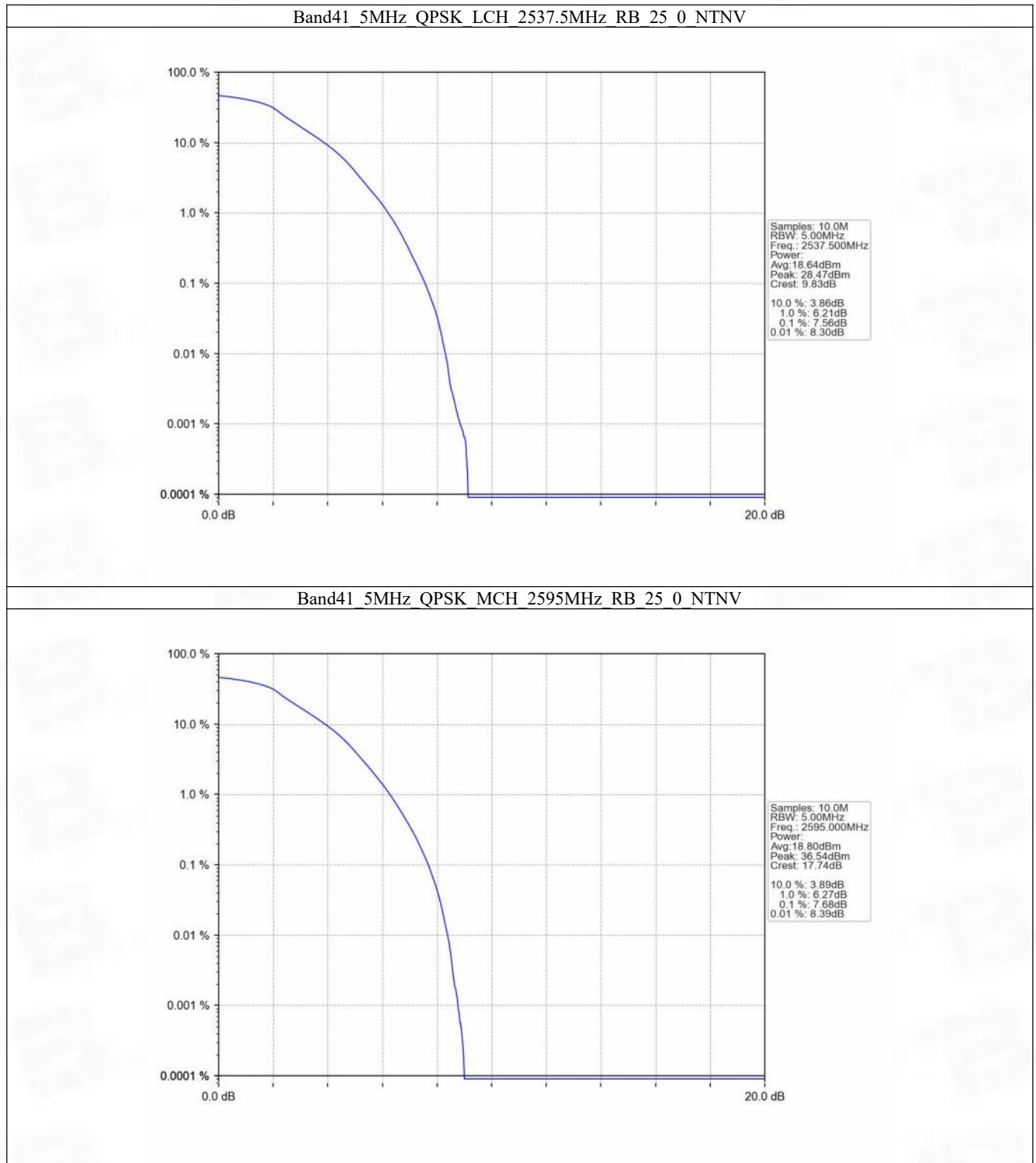
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2542.5	75	0	7.85	≤ 13	Pass
	2595	75	0	7.83	≤ 13	Pass
	2647.5	75	0	7.94	≤ 13	Pass
16QAM	2542.5	75	0	8.50	≤ 13	Pass
	2595	75	0	8.29	≤ 13	Pass
	2647.5	75	0	8.23	≤ 13	Pass

5.1.4 B41_20MHz

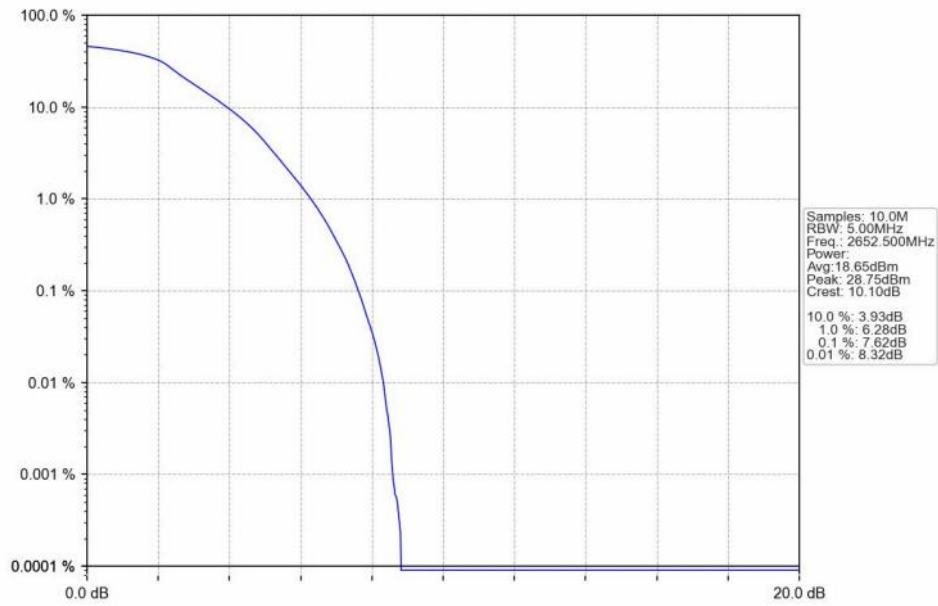
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2545	100	0	7.74	≤ 13	Pass
	2595	100	0	7.50	≤ 13	Pass
	2645	100	0	7.64	≤ 13	Pass
16QAM	2545	100	0	8.24	≤ 13	Pass
	2595	100	0	8.47	≤ 13	Pass
	2645	100	0	8.37	≤ 13	Pass

5.2 Test Graph

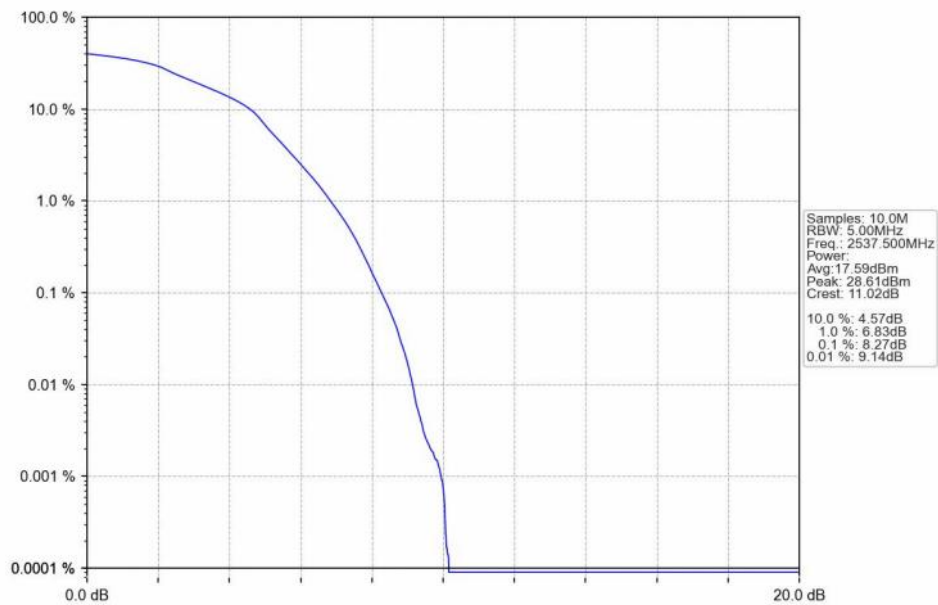
5.2.1 B41_5MHz



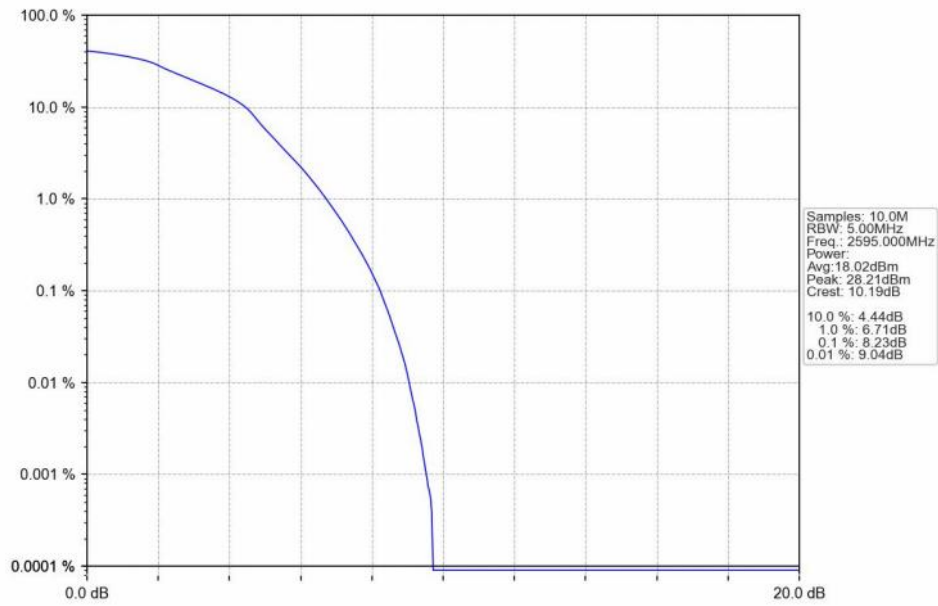
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



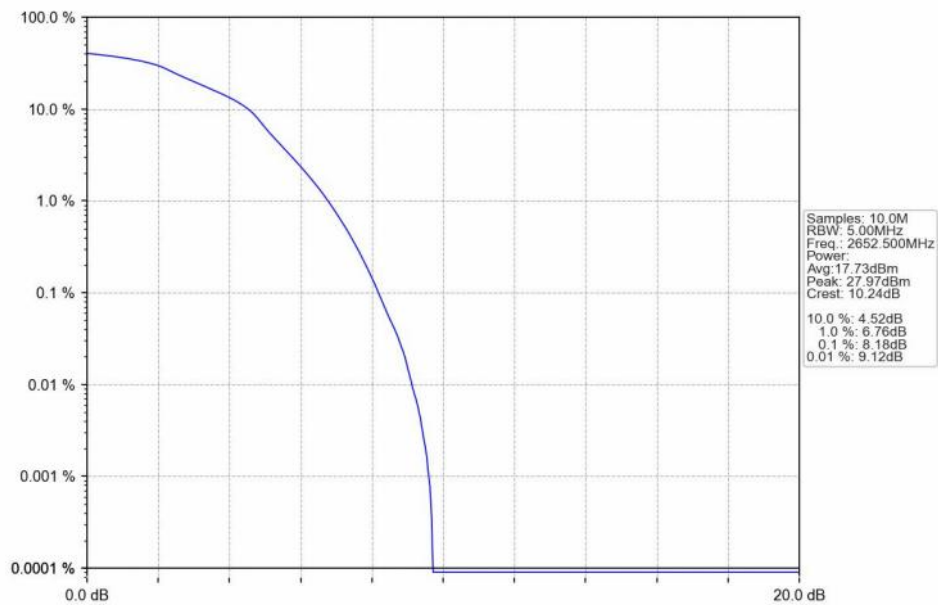
Band41_5MHz_16QAM_LCH_2537.5MHz_RB_25_0_NTNV



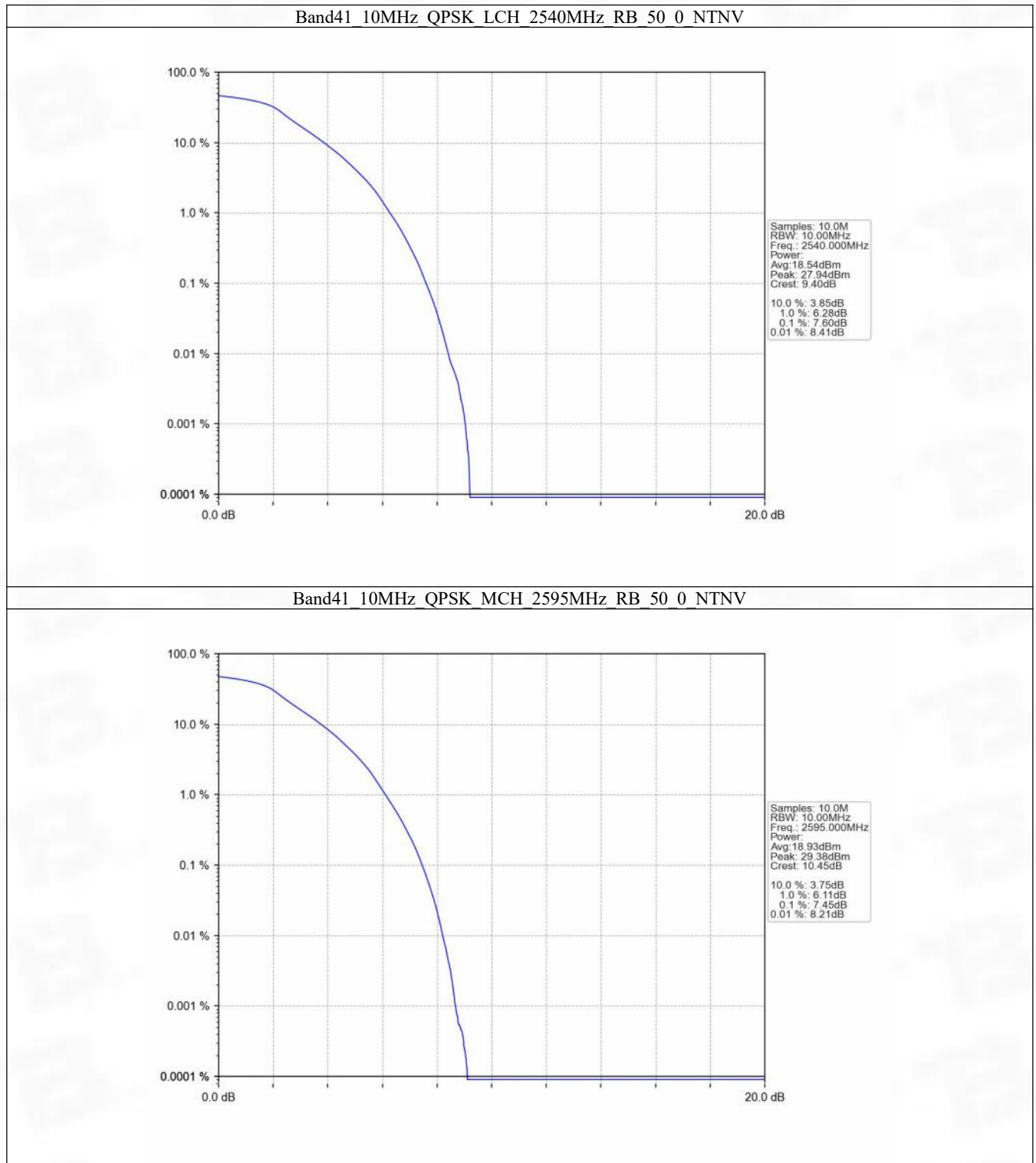
Band41_5MHz_16QAM_MCH_2595MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



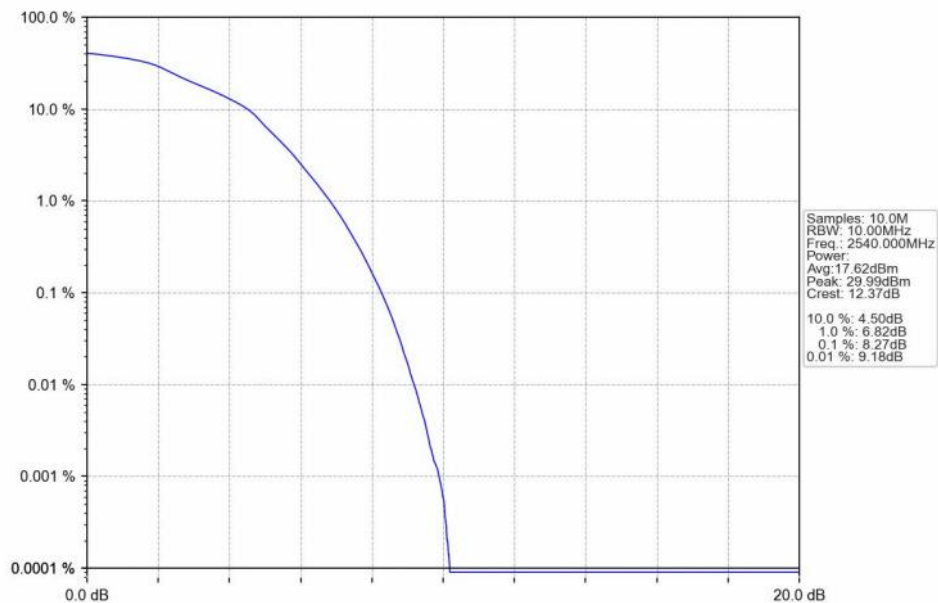
5.2.2 B41_10MHz



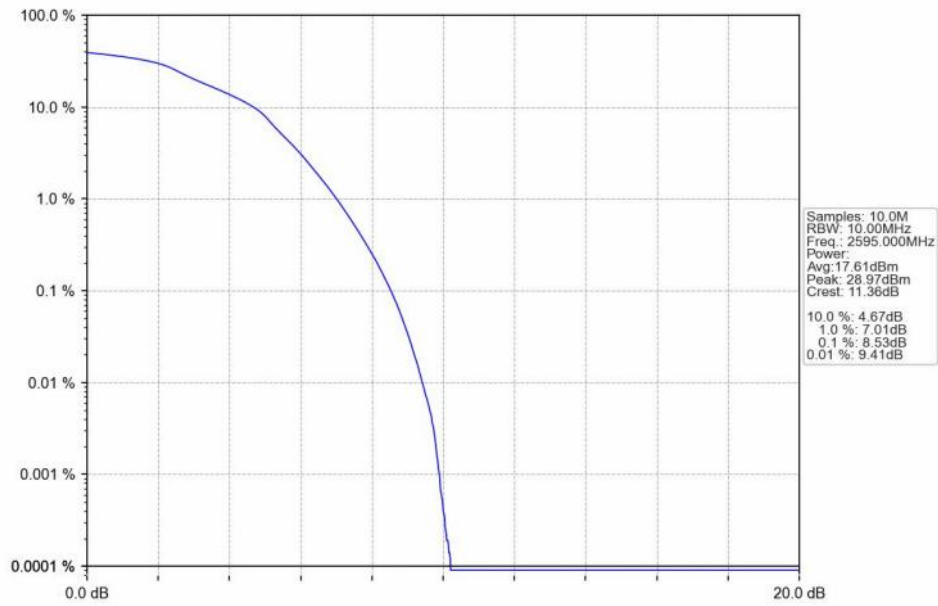
Band41 10MHz QPSK HCH 2650MHz RB 50 0 NTV



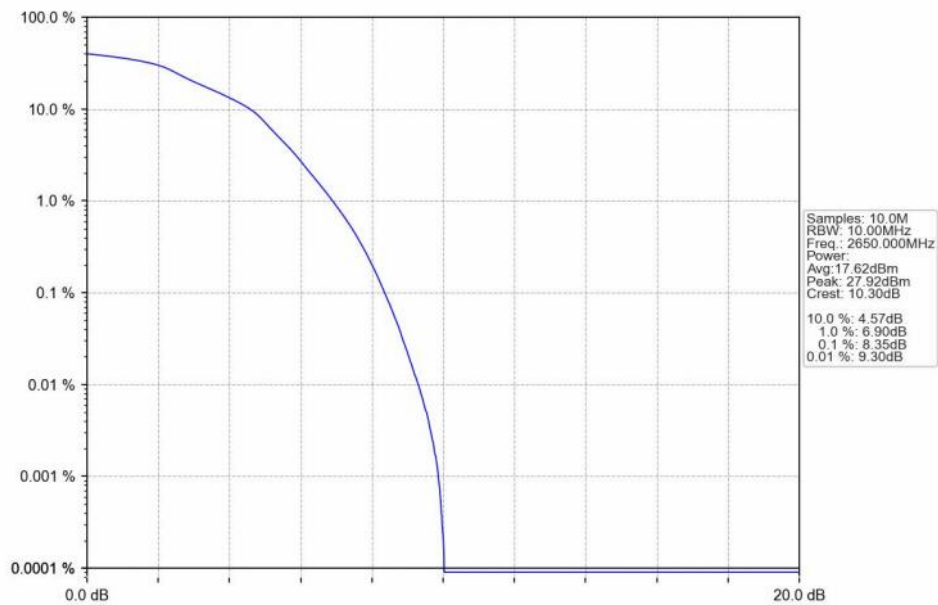
Band41 10MHz 16QAM LCH 2540MHz RB 50 0 NTV



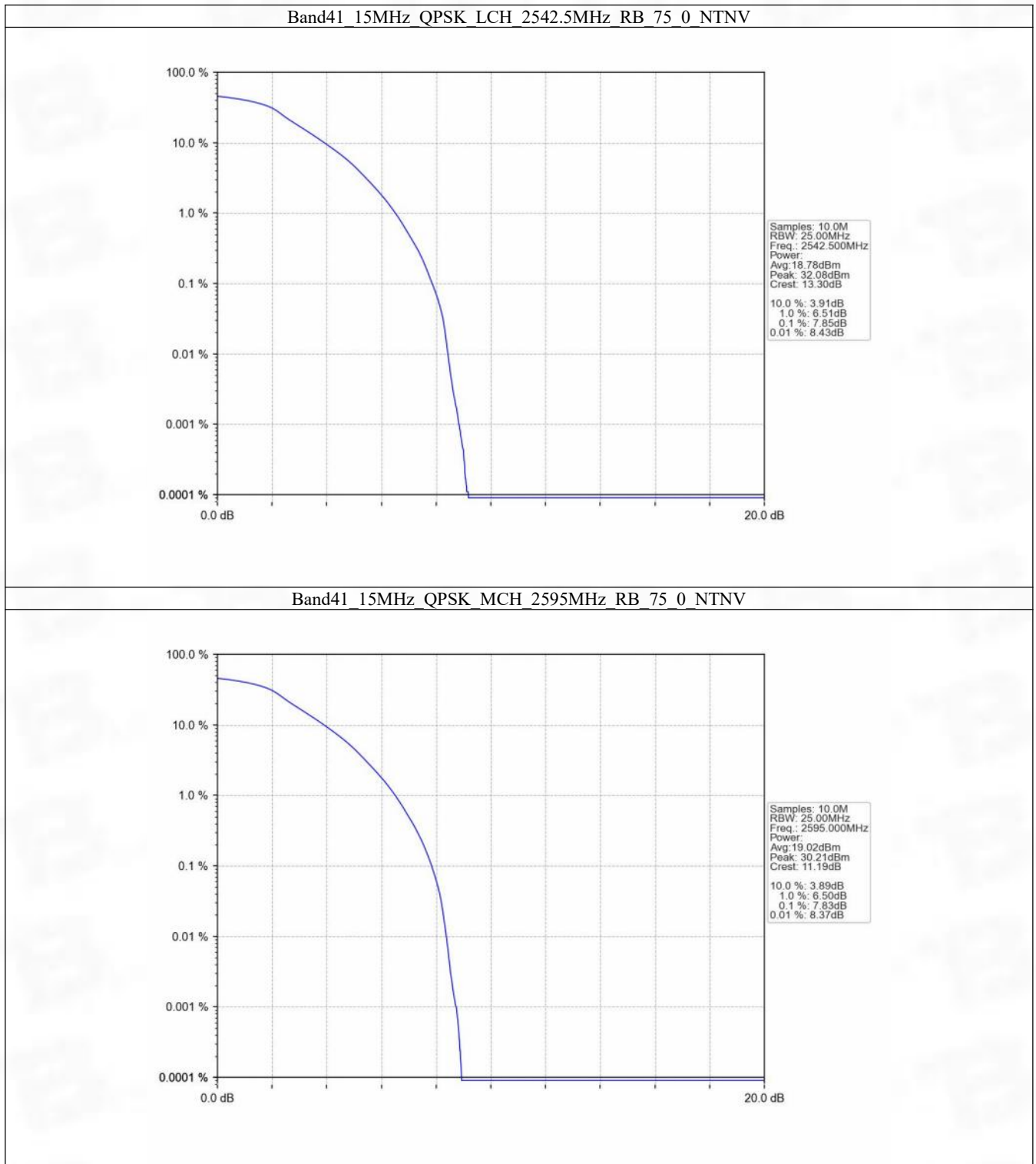
Band41 10MHz 16QAM MCH 2595MHz RB 50 0 NTNV



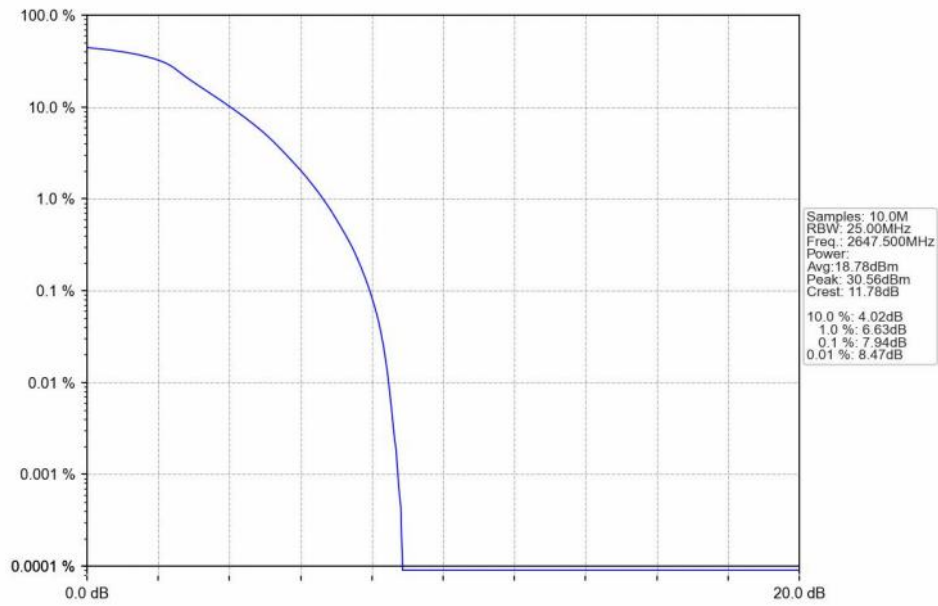
Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV



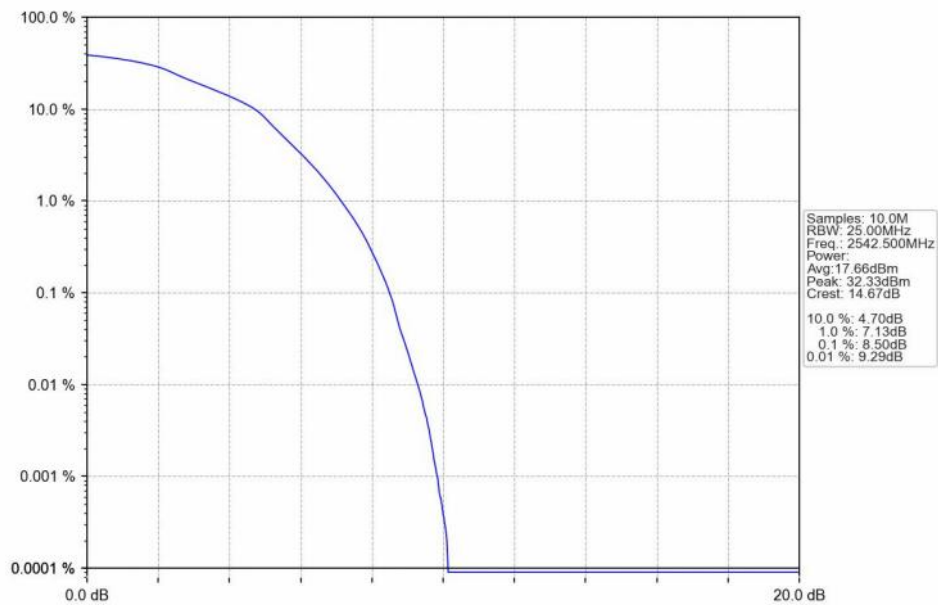
5.2.3 B41_15MHz



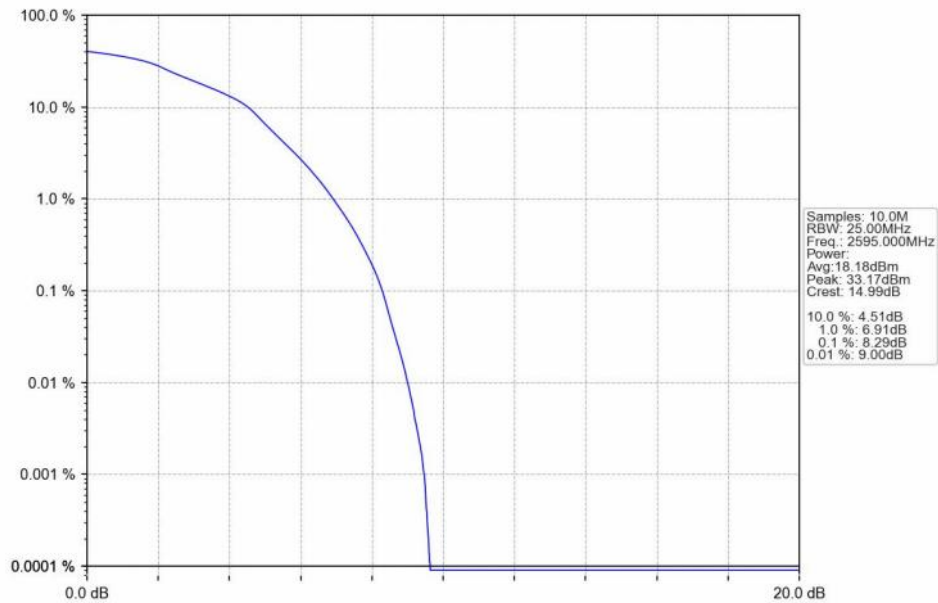
Band41 15MHz QPSK HCH 2647.5MHz RB 75 0 NTNV



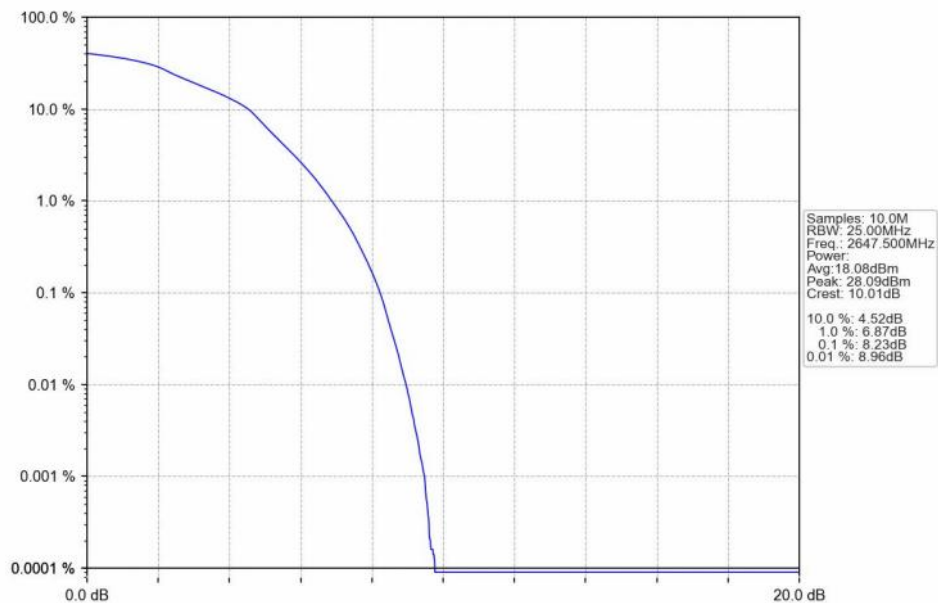
Band41 15MHz 16QAM LCH 2542.5MHz RB 75 0 NTNV



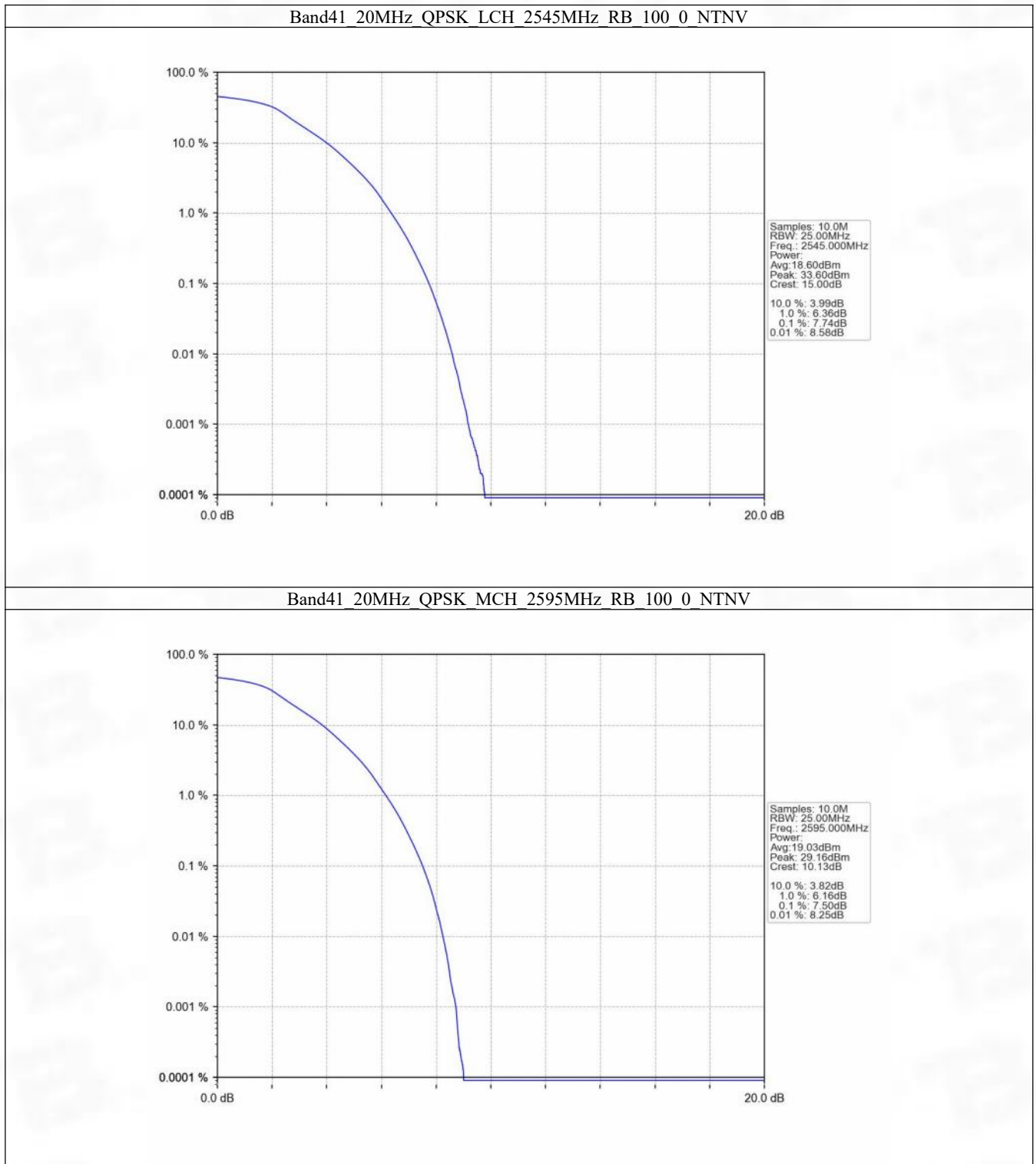
Band41 15MHz 16QAM MCH 2595MHz RB 75 0 NTNV



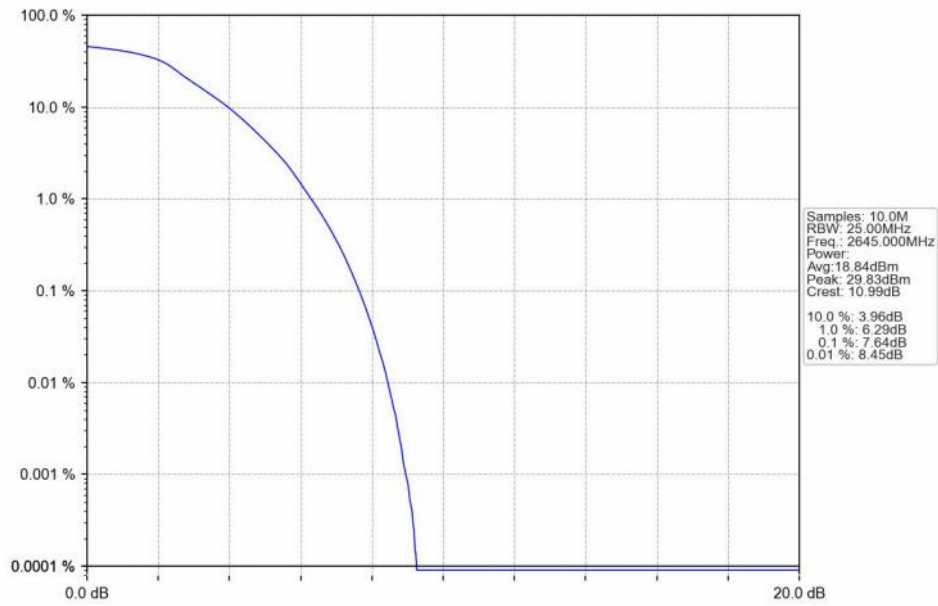
Band41 15MHz 16QAM HCH 2647.5MHz RB 75 0 NTNV



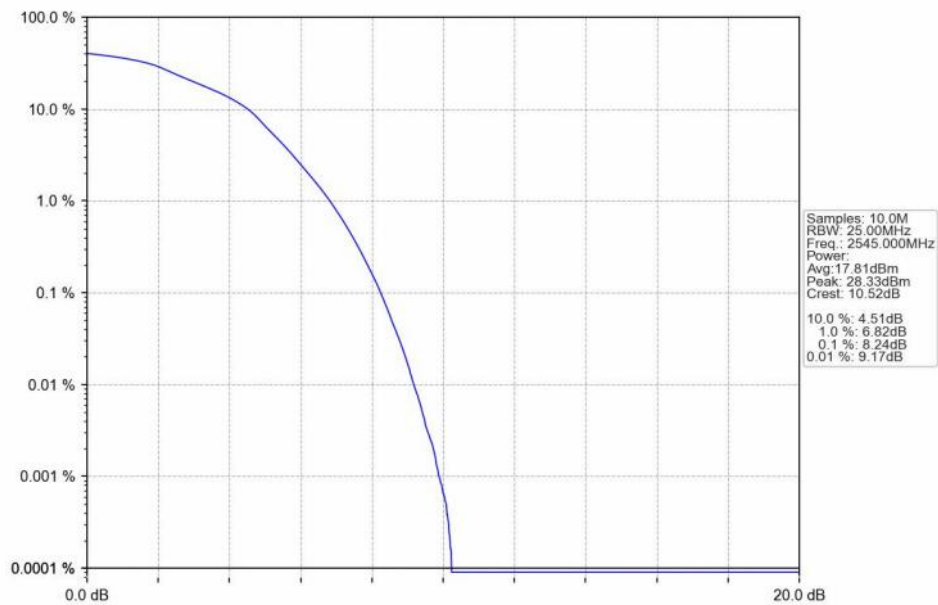
5.2.4 B41_20MHz



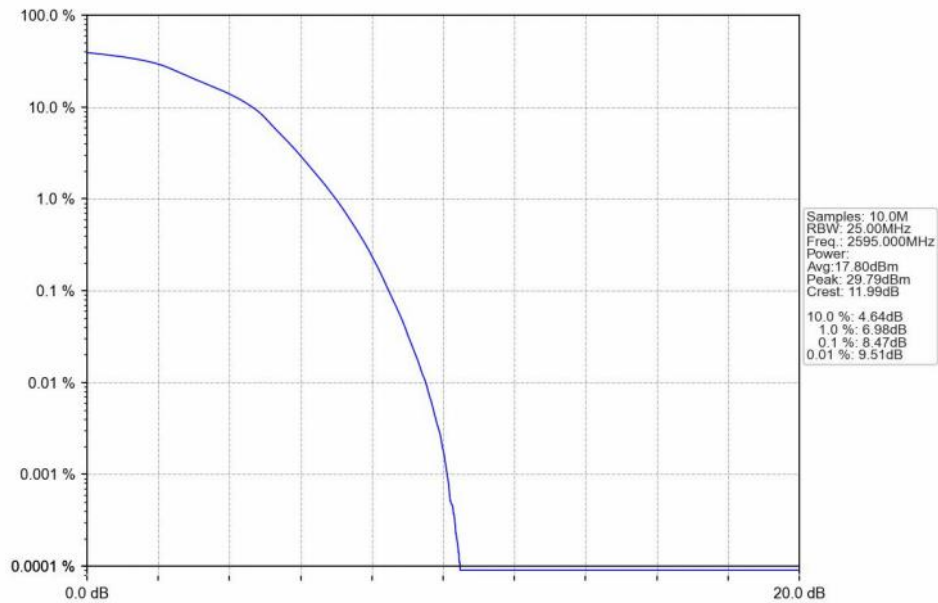
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



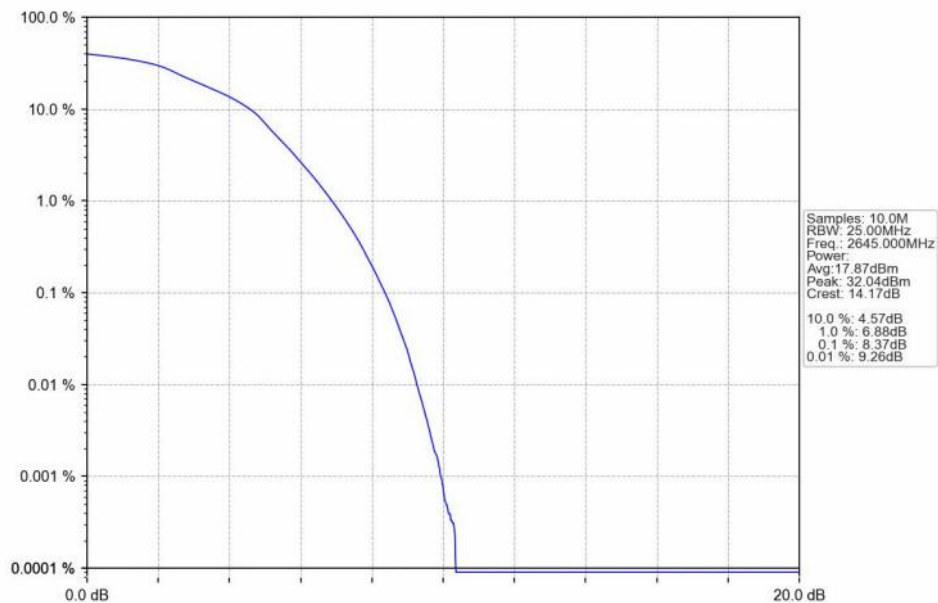
Band41_20MHz_16QAM_LCH_2545MHz_RB_100_0_NTNV



Band41 20MHz 16QAM MCH 2595MHz RB 100 0 NTNV



Band41 20MHz 16QAM HCH 2645MHz RB 100 0 NTNV



6. Spurious Emission

6.1 Test Result

6.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2537.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2652.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2537.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2652.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

6.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2540	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2650	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2540	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2650	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

6.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2542.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2647.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2542.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2595	1	0	Refer To Test Graph		Pass
	2647.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass

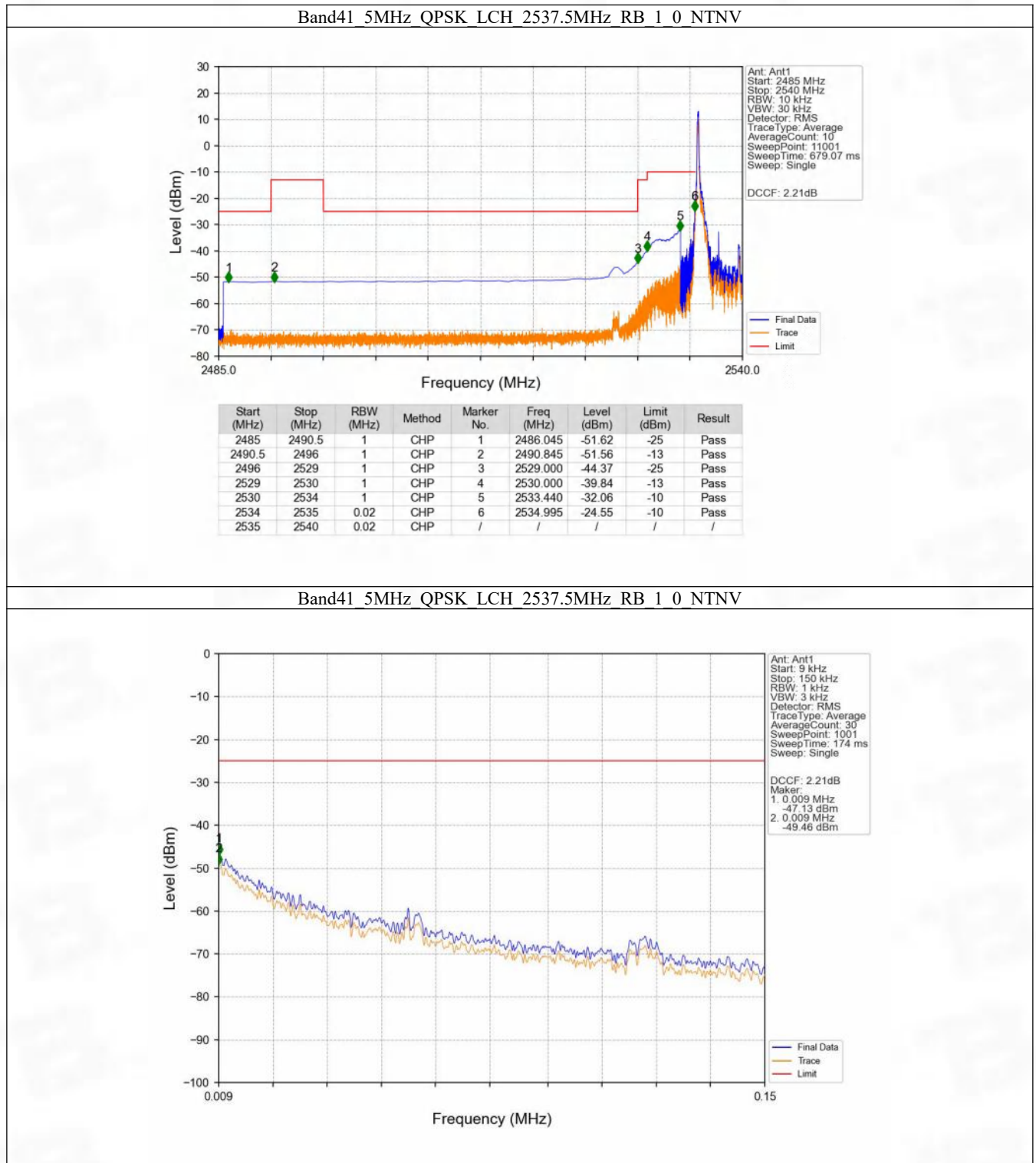
		75	0	Refer To Test Graph	Pass
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6.1.4 B41_20MHz

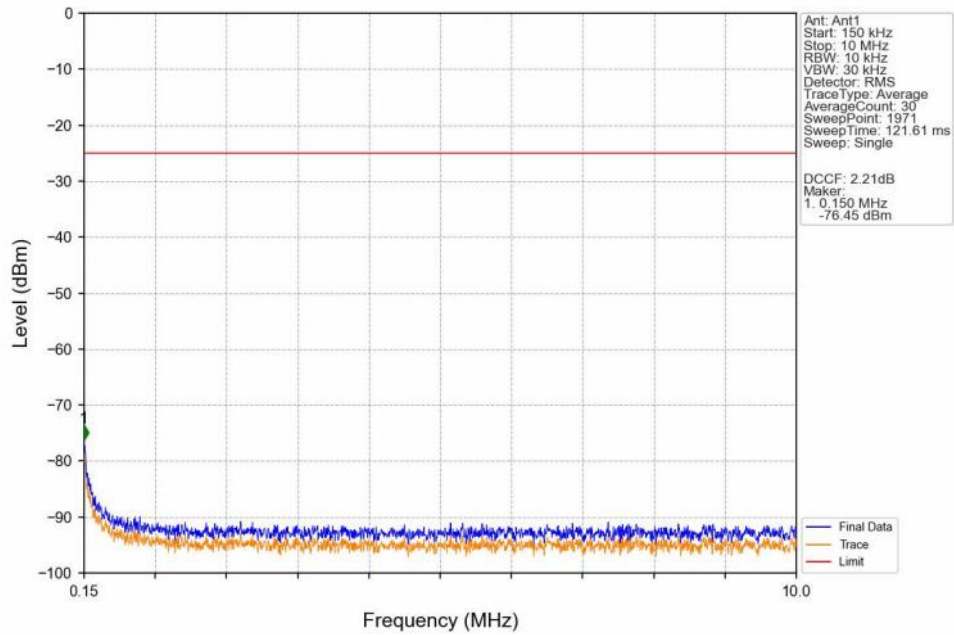
Band: 41 / Bandwidth: 20MHz / NTNV					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2545	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2645	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
16QAM	2545	1	0	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass
	2595	1	0	Refer To Test Graph	Pass
	2645	1	0	Refer To Test Graph	Pass
			99	Refer To Test Graph	Pass
		100	0	Refer To Test Graph	Pass

6.2 Test Graph

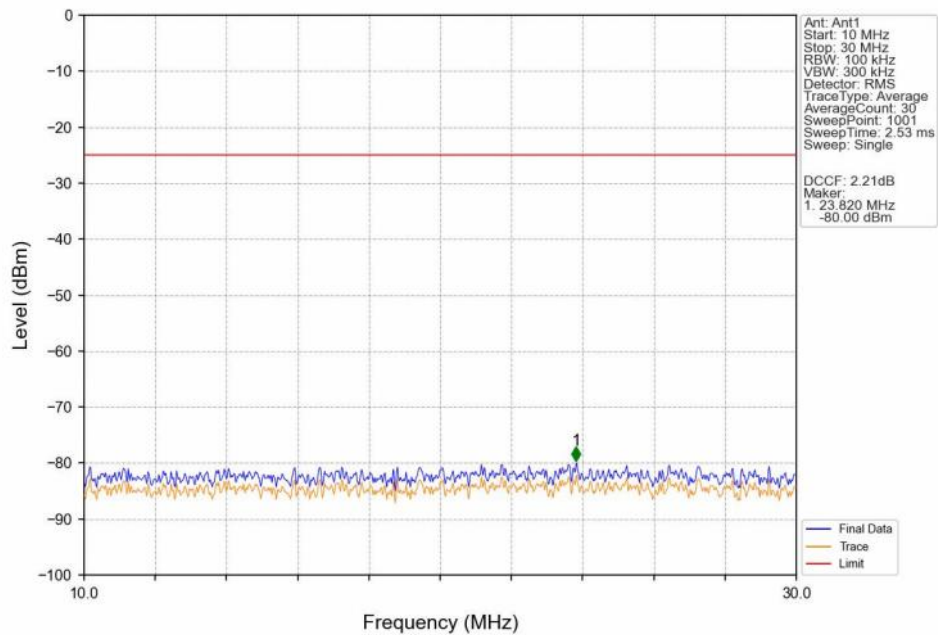
6.2.1 B41_5MHz



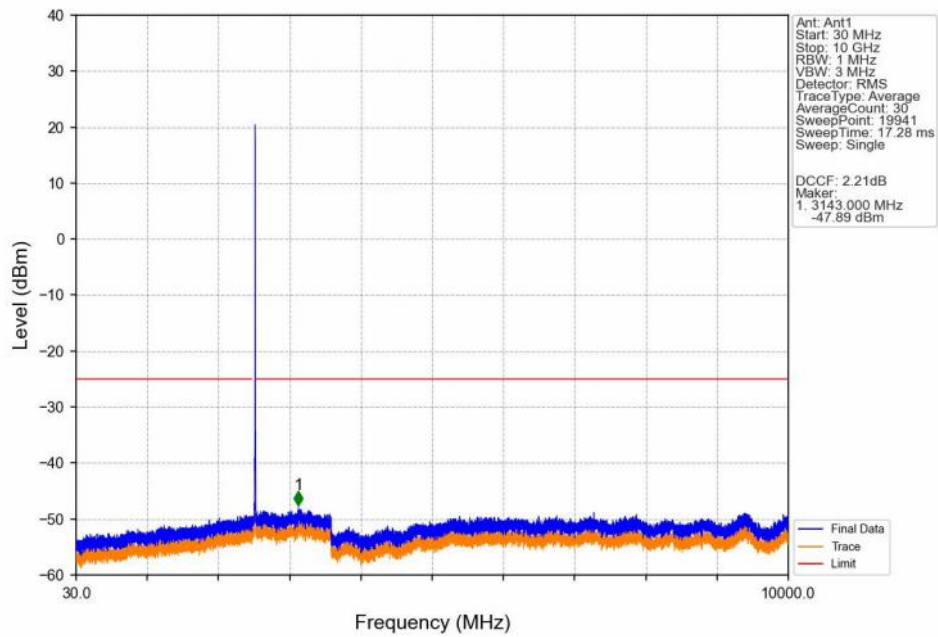
Band41_5MHz_QPSK_LCH_2537.5MHz_RB_1_0_NTNV



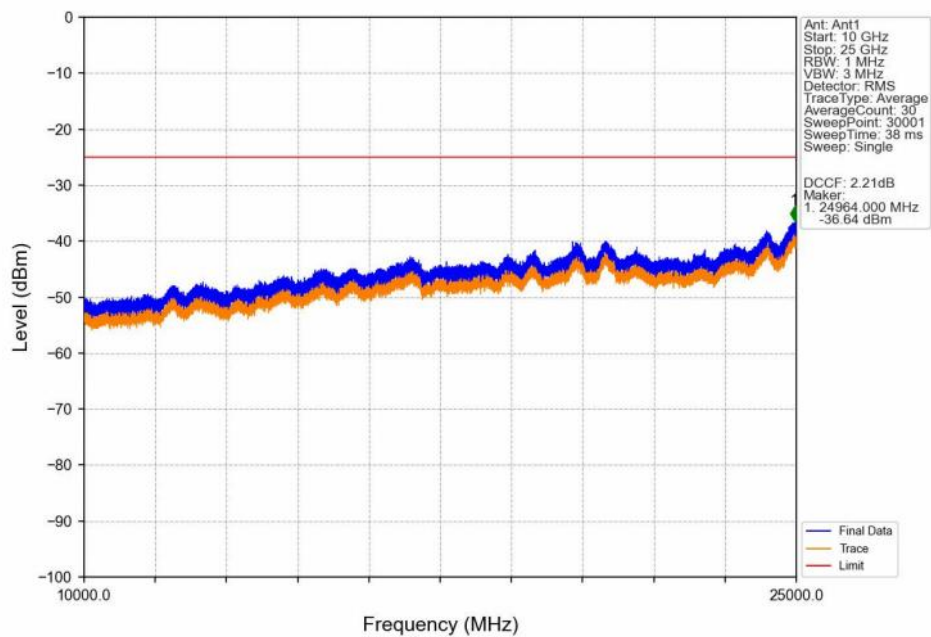
Band41_5MHz_QPSK_LCH_2537.5MHz_RB_1_0_NTNV



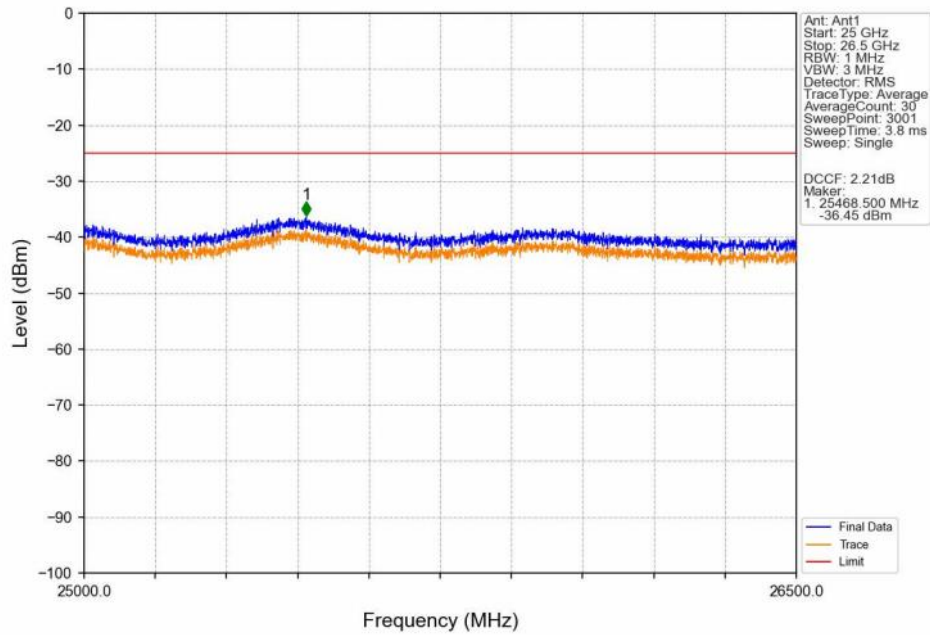
Band41_5MHz_QPSK_LCH_2537.5MHz_RB_1_0_NTNV



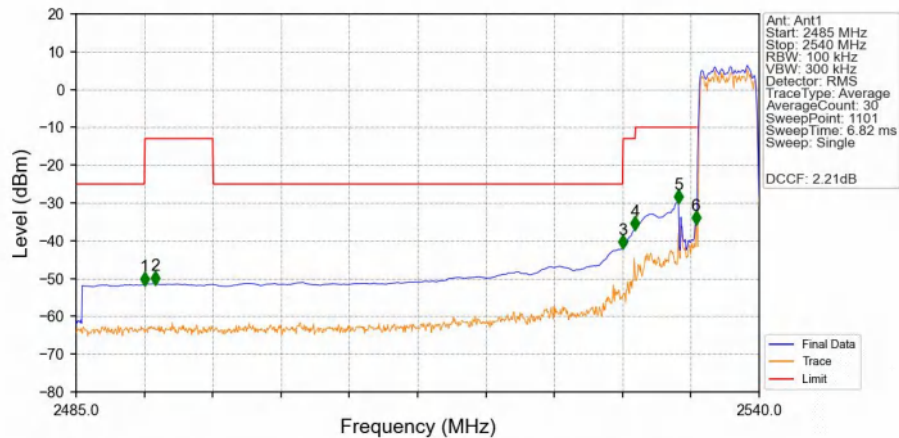
Band41_5MHz_QPSK_LCH_2537.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2537.5MHz_RB_1_0_NTNV

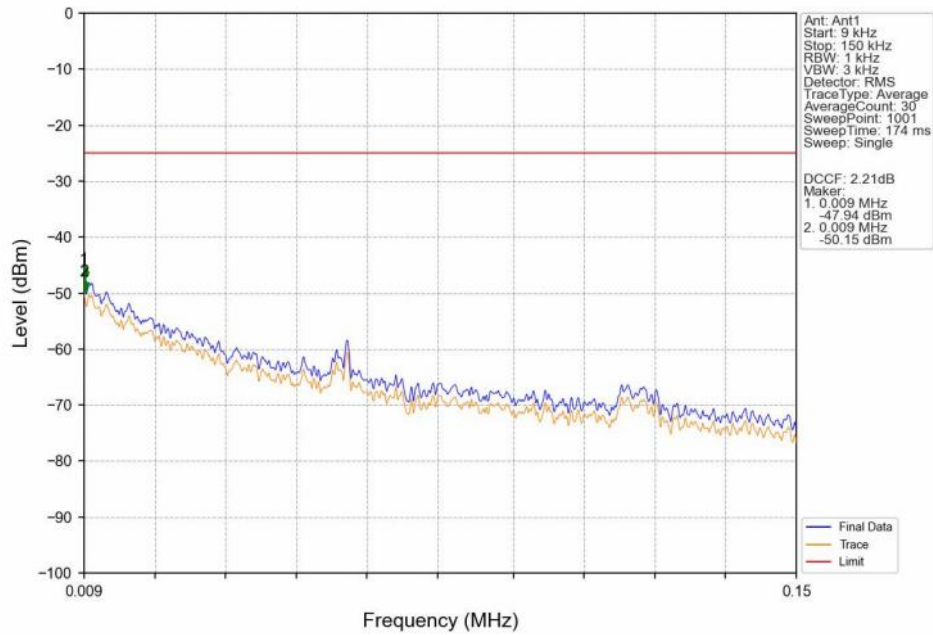


Band41_5MHz_QPSK_LCH_2537.5MHz_RB_25_0_NTNV

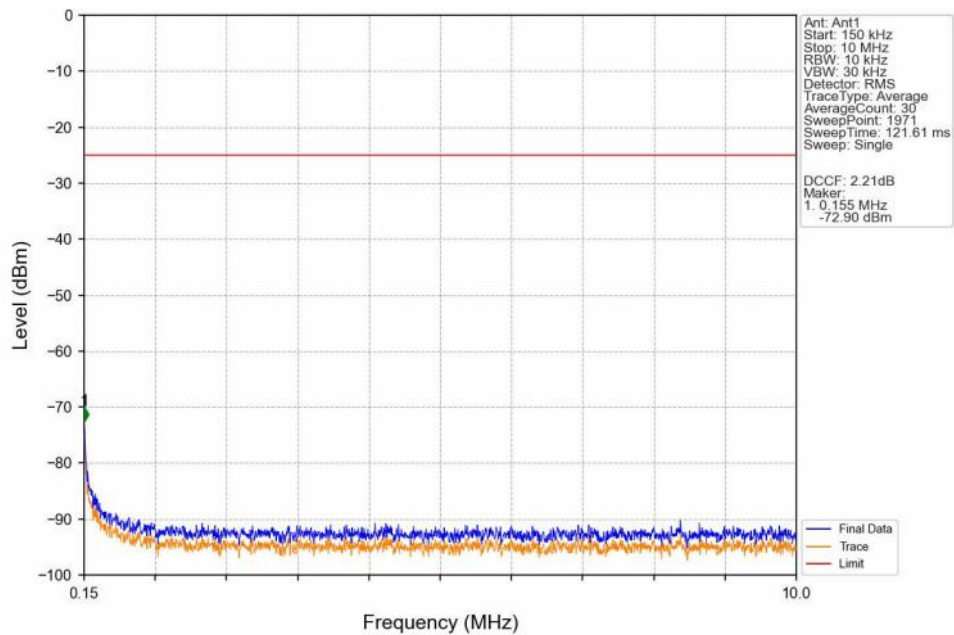


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-51.59	-25	Pass
2490.5	2496	1	CHP	2	2491.400	-51.35	-13	Pass
2496	2529	1	CHP	3	2529.000	-41.92	-25	Pass
2529	2530	1	CHP	4	2530.000	-36.91	-13	Pass
2530	2534	1	CHP	5	2533.500	-29.90	-10	Pass
2534	2535	0.109	CHP	6	2534.900	-35.53	-10	Pass
2535	2540	0.109	CHP	/	/	/	/	/

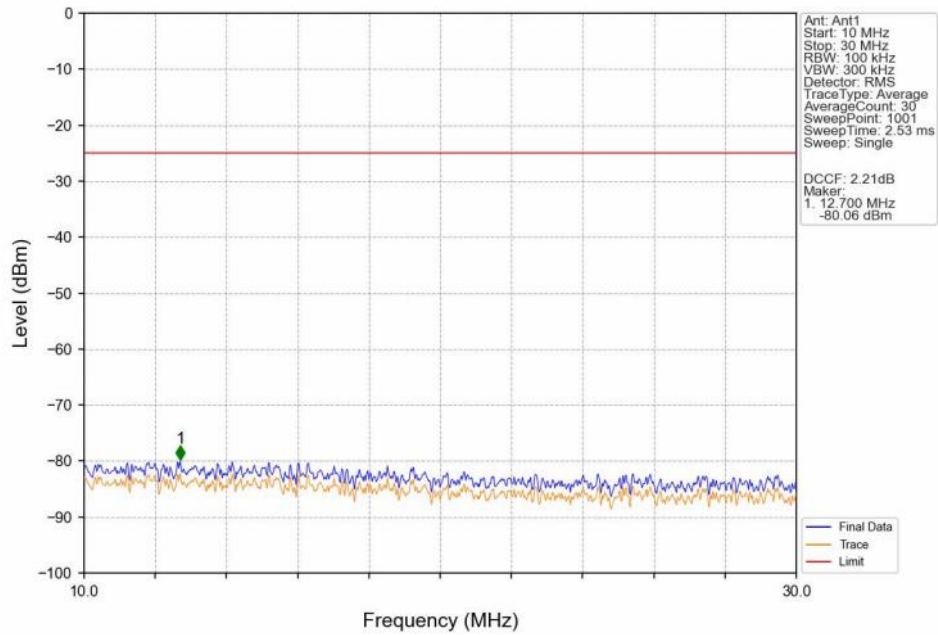
Band41_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



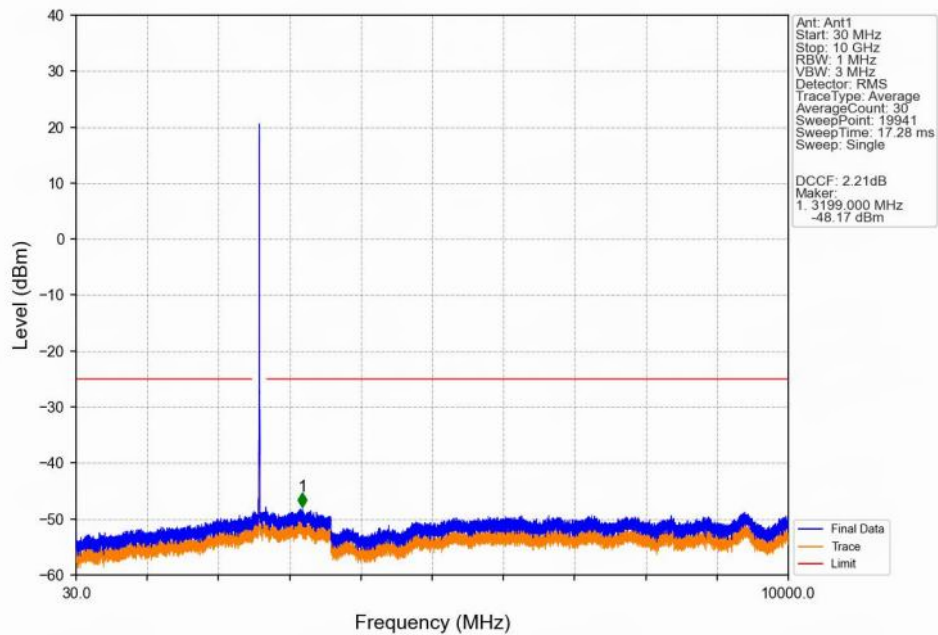
Band41_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



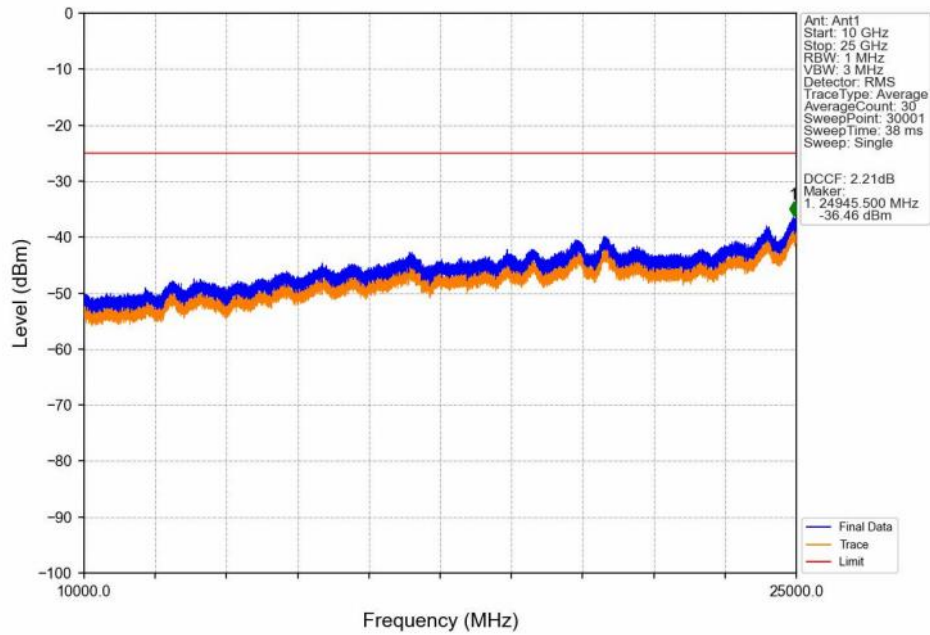
Band41_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



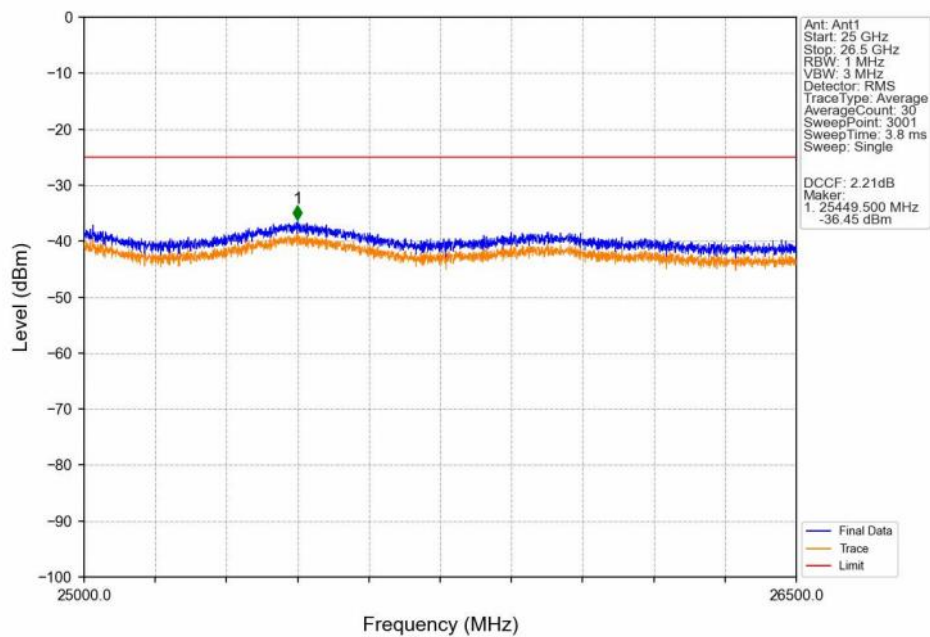
Band41_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



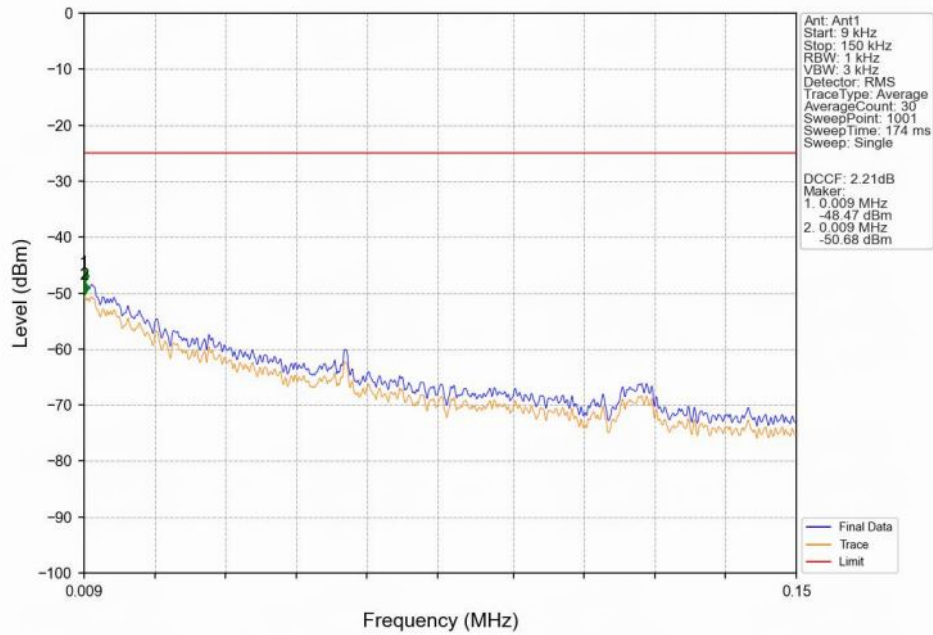
Band41_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



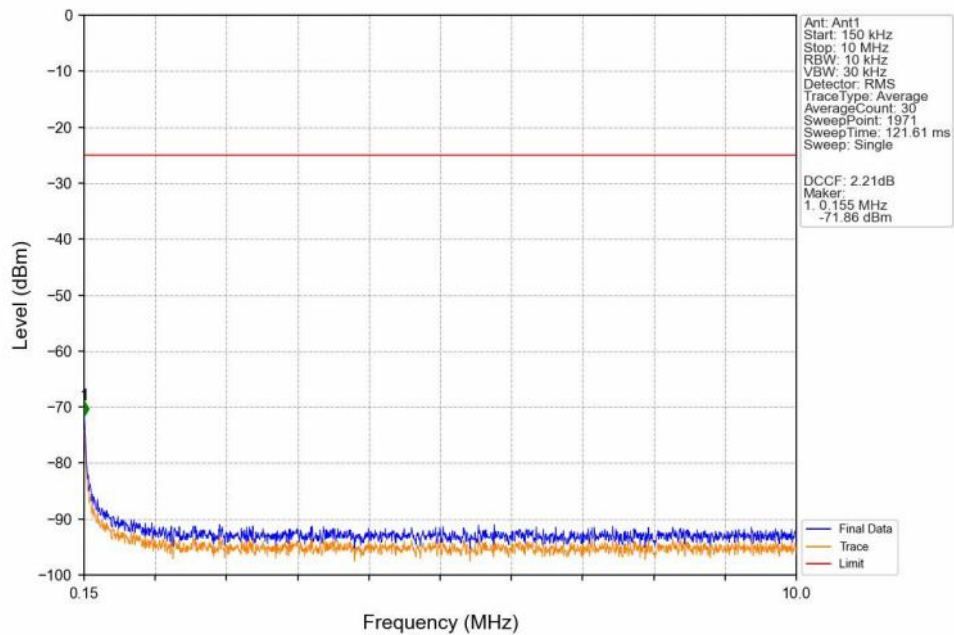
Band41_5MHz_QPSK_MCH_2595MHz_RB_1_0_NTNV



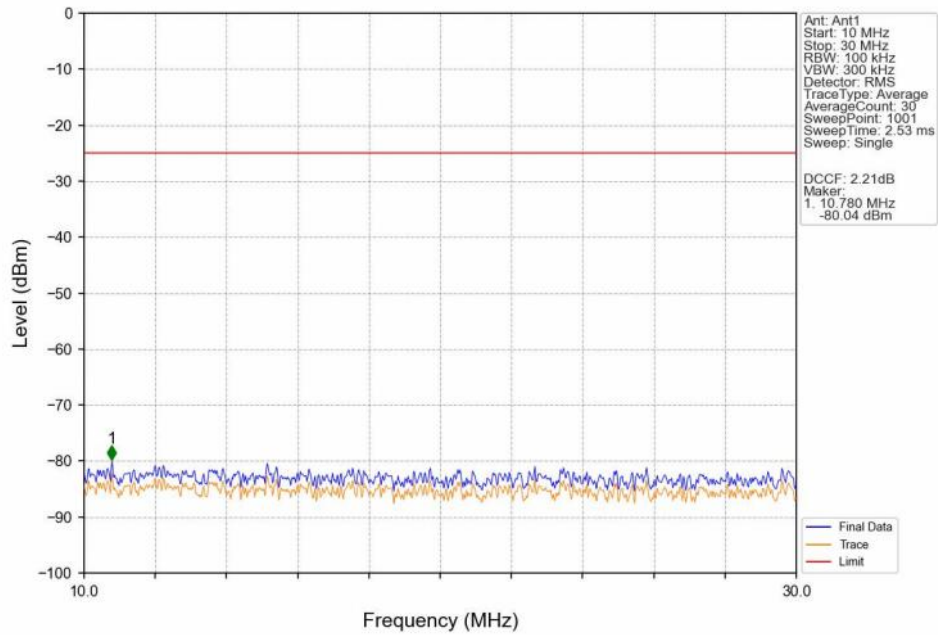
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



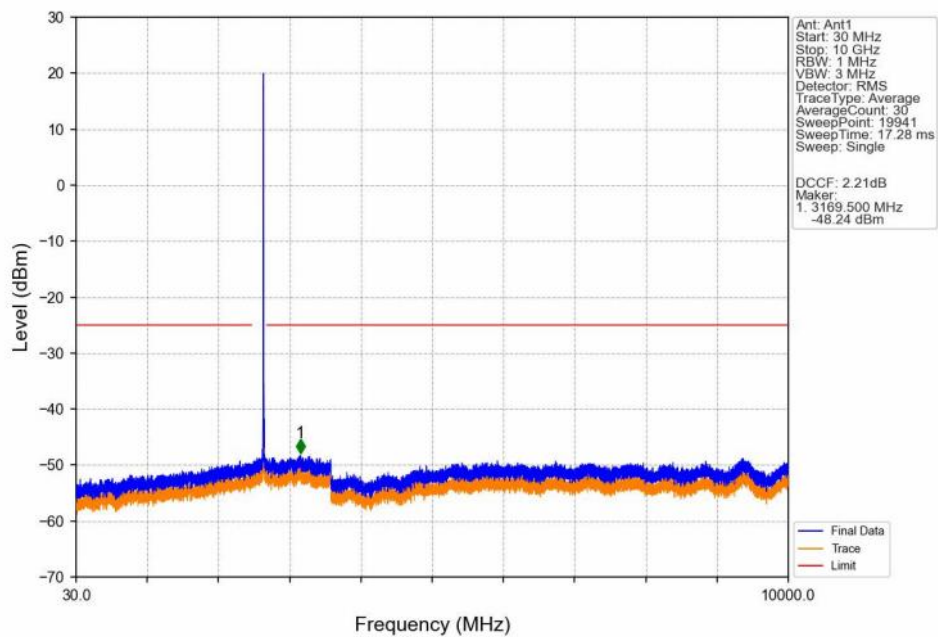
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



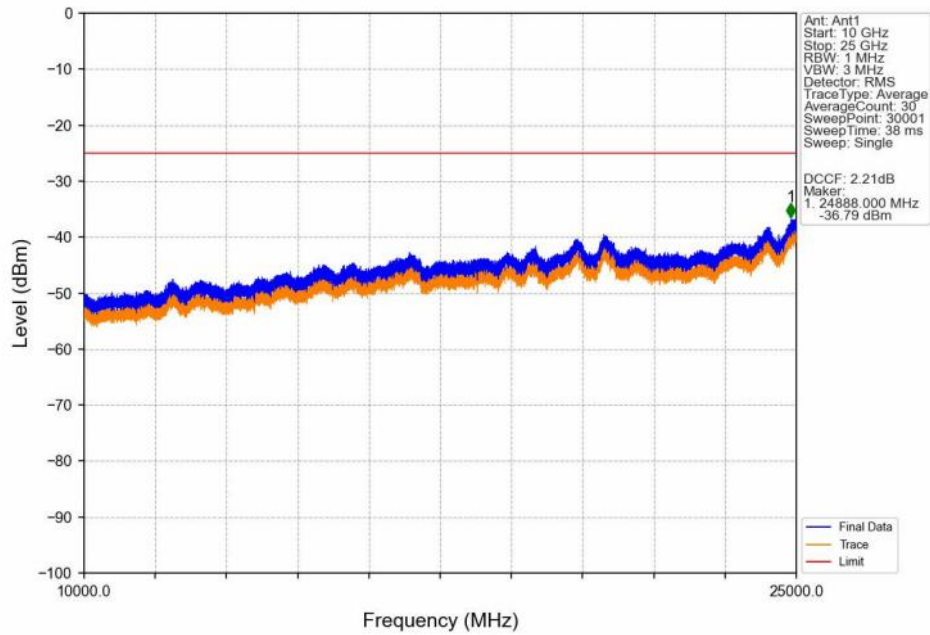
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



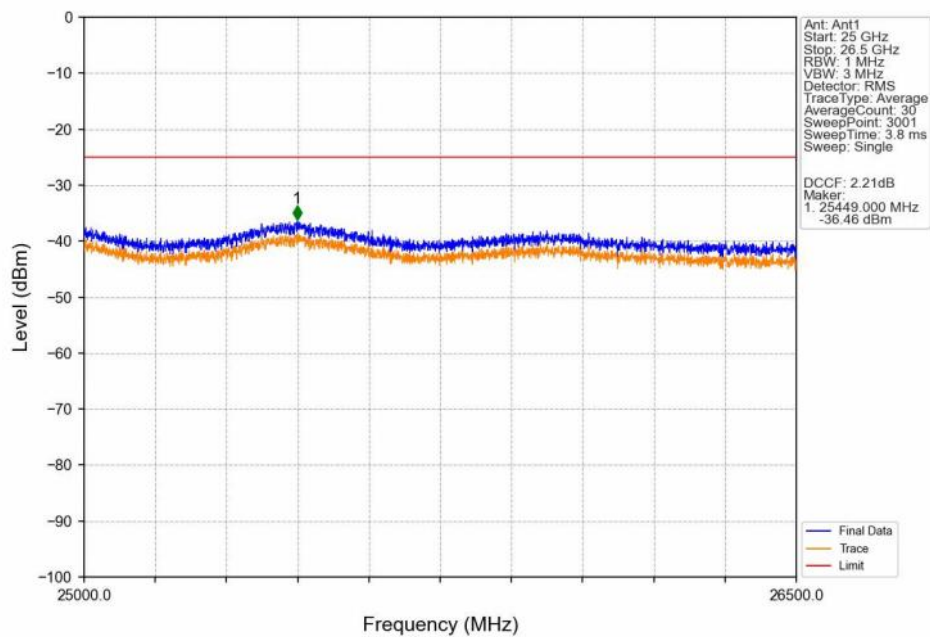
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



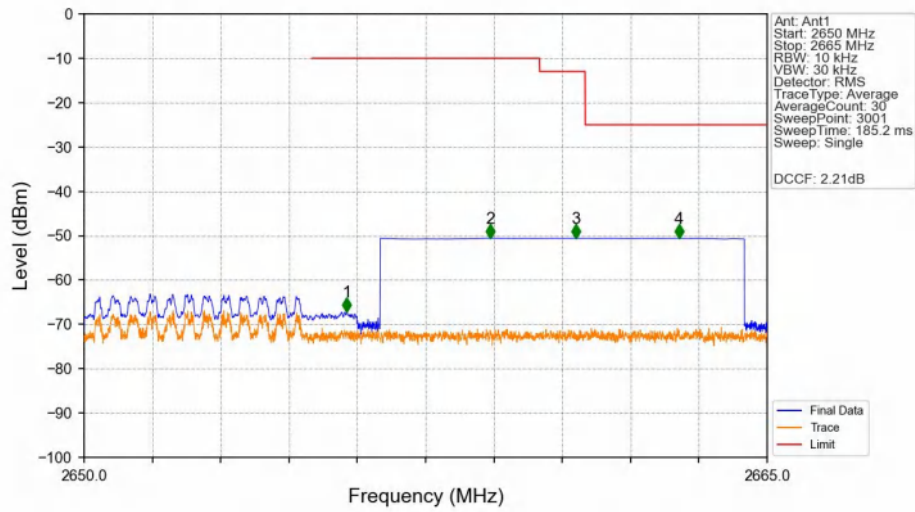
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV

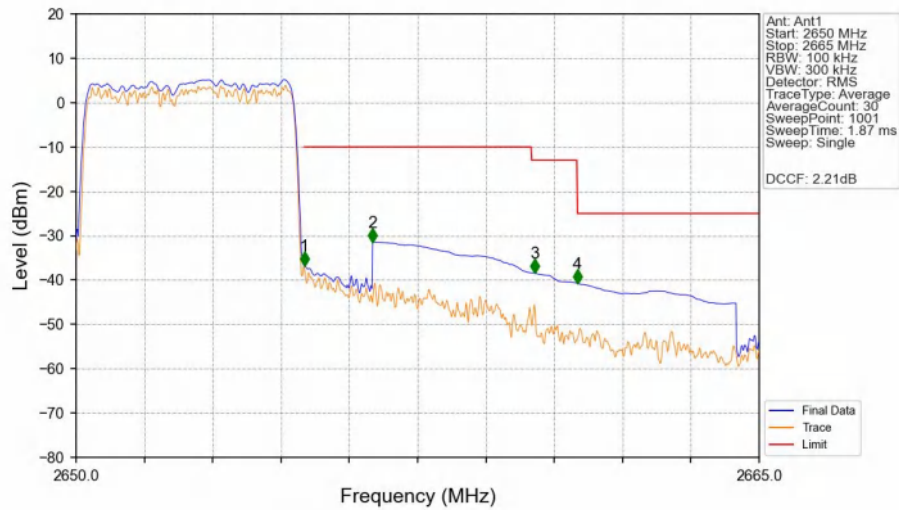


Band41 5MHz QPSK HCH 2652.5MHz RB 1 24 NTNV



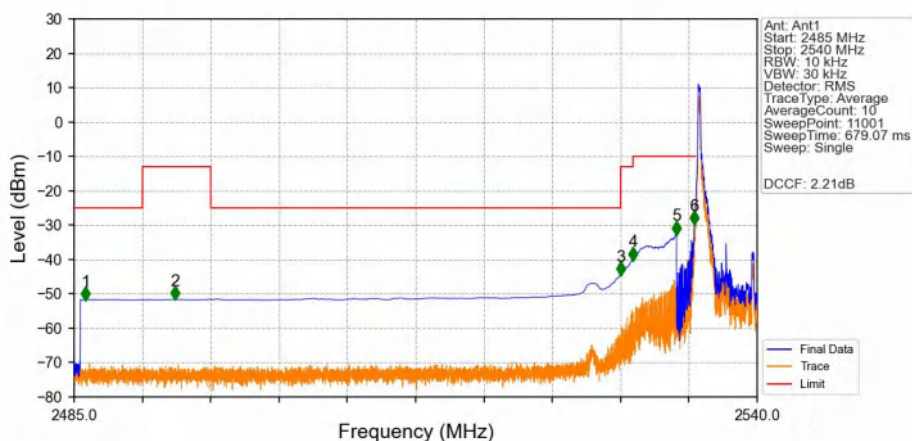
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2650	2655	0.02	CHP	/	/	/	/	/
2655	2656	0.02	CHP	1	2655.770	-67.24	-10	Pass
2656	2660	1	CHP	2	2658.915	-50.59	-10	Pass
2660	2661	1	CHP	3	2660.795	-50.62	-13	Pass
2661	2665	1	CHP	4	2663.065	-50.61	-25	Pass

Band41 5MHz QPSK HCH 2652.5MHz RB 25 0 NTNV



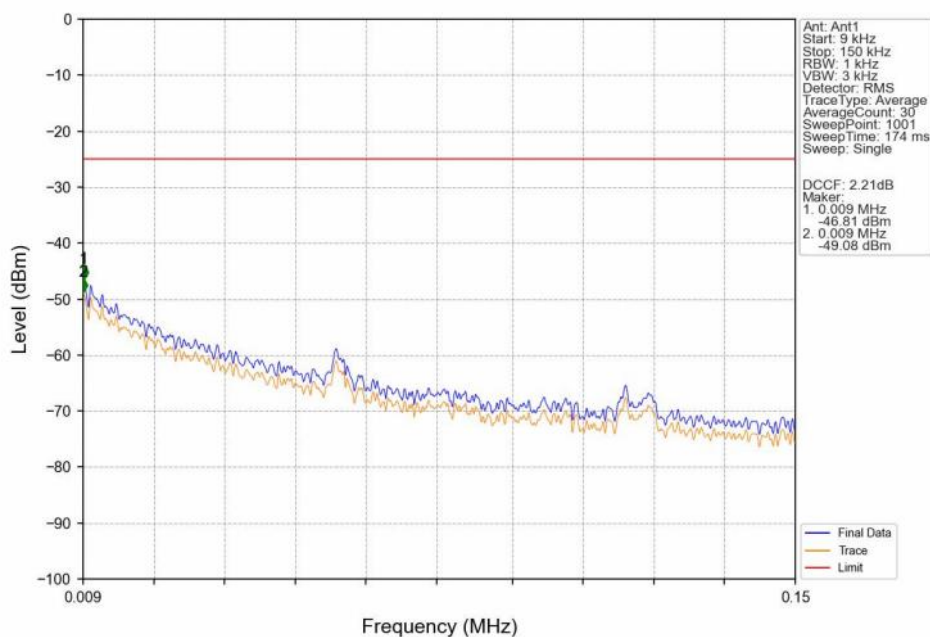
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2650	2655	0.108	CHP	/	/	/	/	/
2655	2656	0.108	CHP	1	2655.010	-36.80	-10	Pass
2656	2660	1	CHP	2	2656.510	-31.41	-10	Pass
2660	2661	1	CHP	3	2660.065	-38.39	-13	Pass
2661	2665	1	CHP	4	2661.010	-40.74	-25	Pass

Band41_5MHz_16QAM_LCH_2537.5MHz_RB_1_0_NTNV

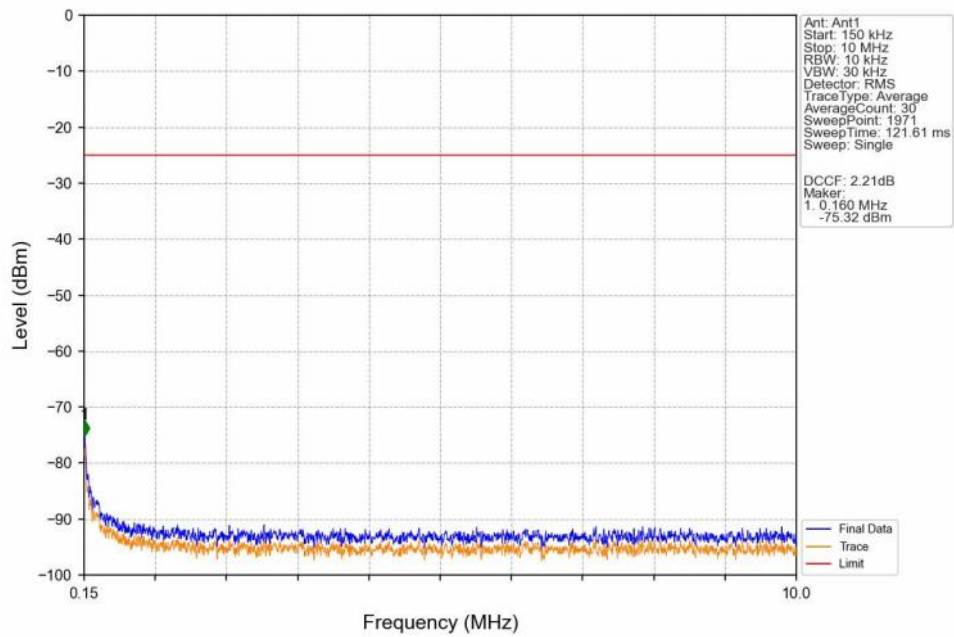


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.940	-51.61	-25	Pass
2490.5	2496	1	CHP	2	2493.125	-51.53	-13	Pass
2496	2529	1	CHP	3	2529.000	-44.43	-25	Pass
2529	2530	1	CHP	4	2530.000	-40.04	-13	Pass
2530	2534	1	CHP	5	2533.500	-32.50	-10	Pass
2534	2535	0.02	CHP	6	2534.940	-29.53	-10	Pass
2535	2540	0.02	CHP	/	/	/	/	/

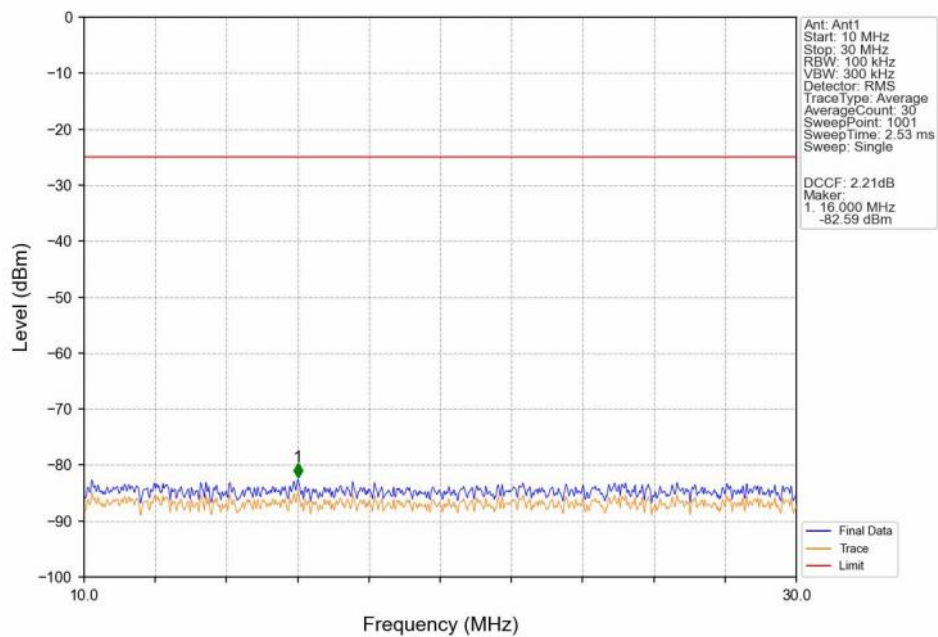
Band41_5MHz_16QAM_LCH_2537.5MHz_RB_1_0_NTNV



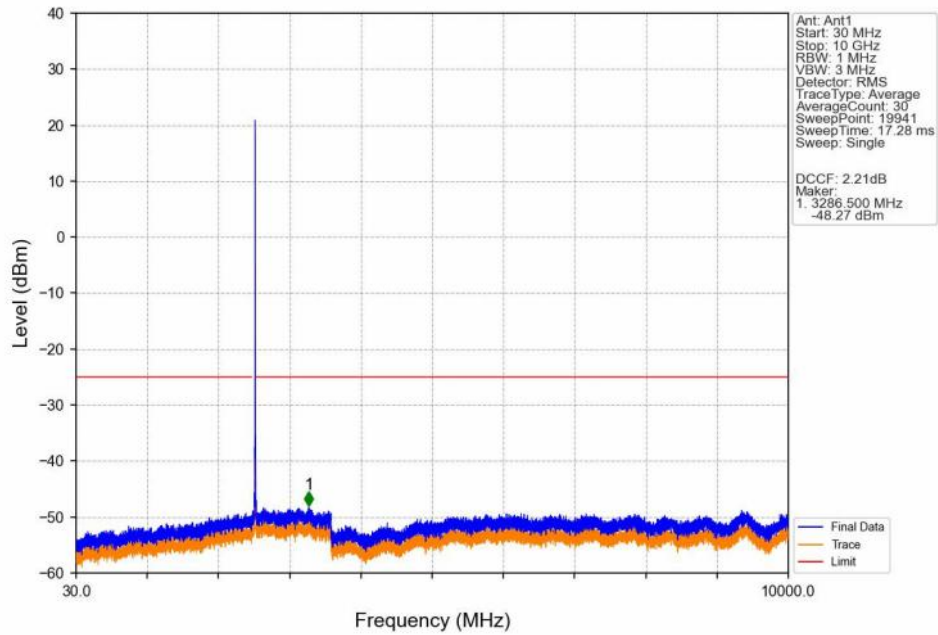
Band41_5MHz_16QAM_LCH_2537.5MHz_RB_1_0_NTNV



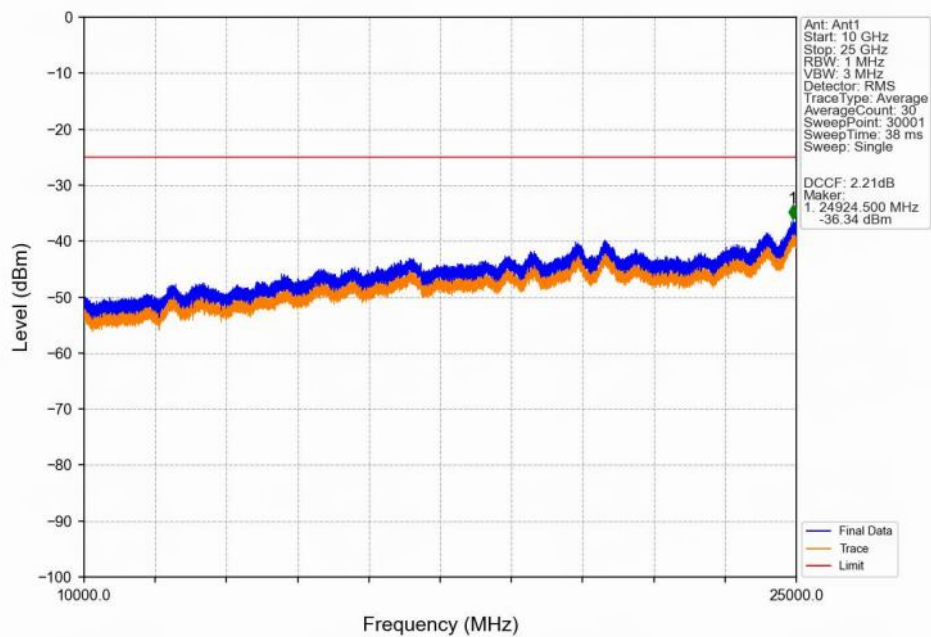
Band41_5MHz_16QAM_LCH_2537.5MHz_RB_1_0_NTNV



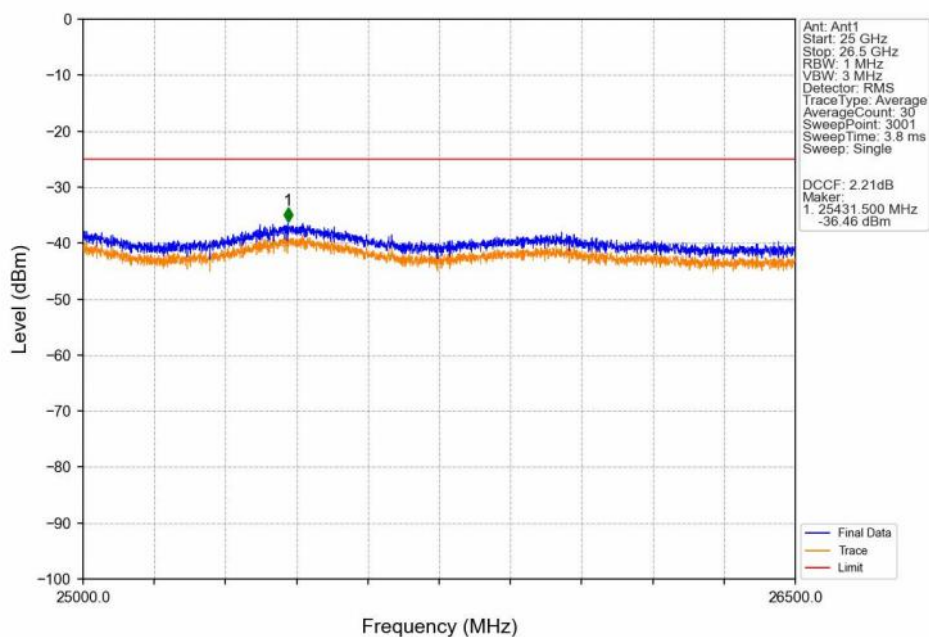
Band41_5MHz_16QAM_LCH_2537.5MHz_RB_1_0_NTNV



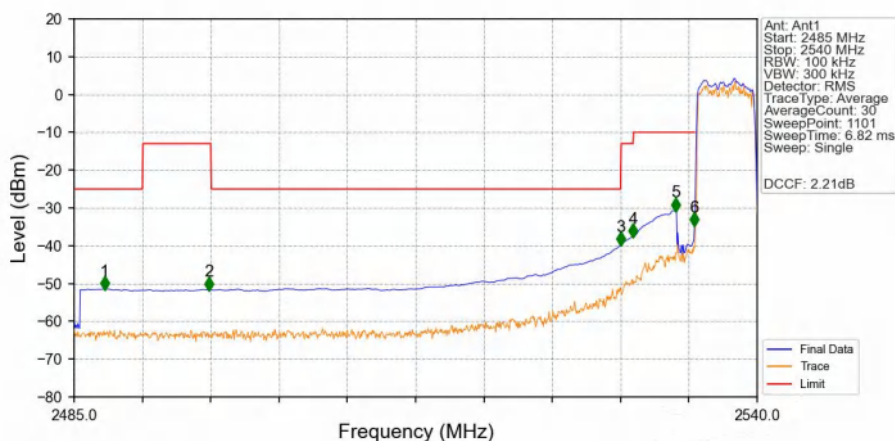
Band41_5MHz_16QAM_LCH_2537.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_LCH_2537.5MHz_RB_1_0_NTNV

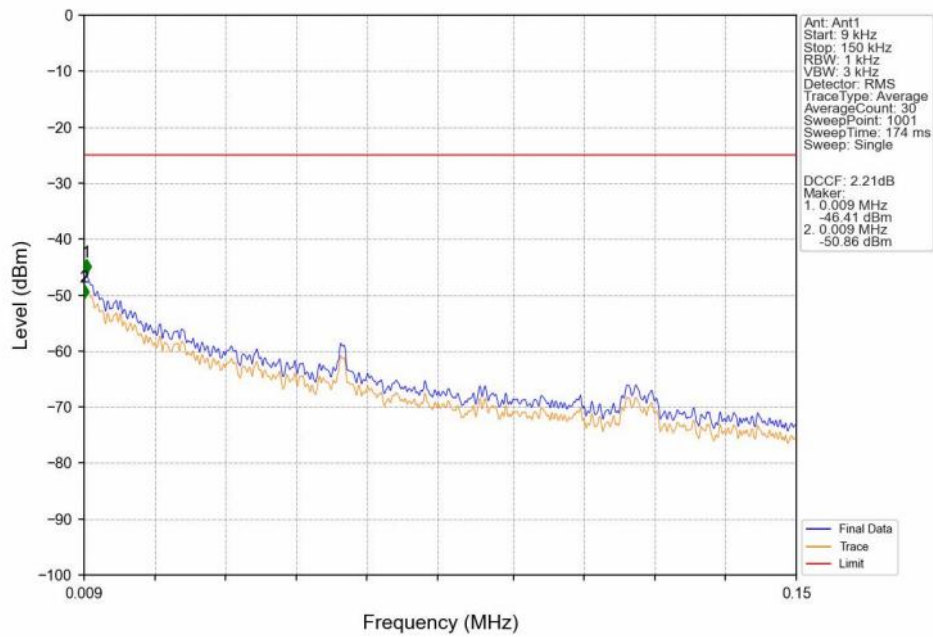


Band41_5MHz_16QAM_LCH_2537.5MHz_RB_25_0_NTNV

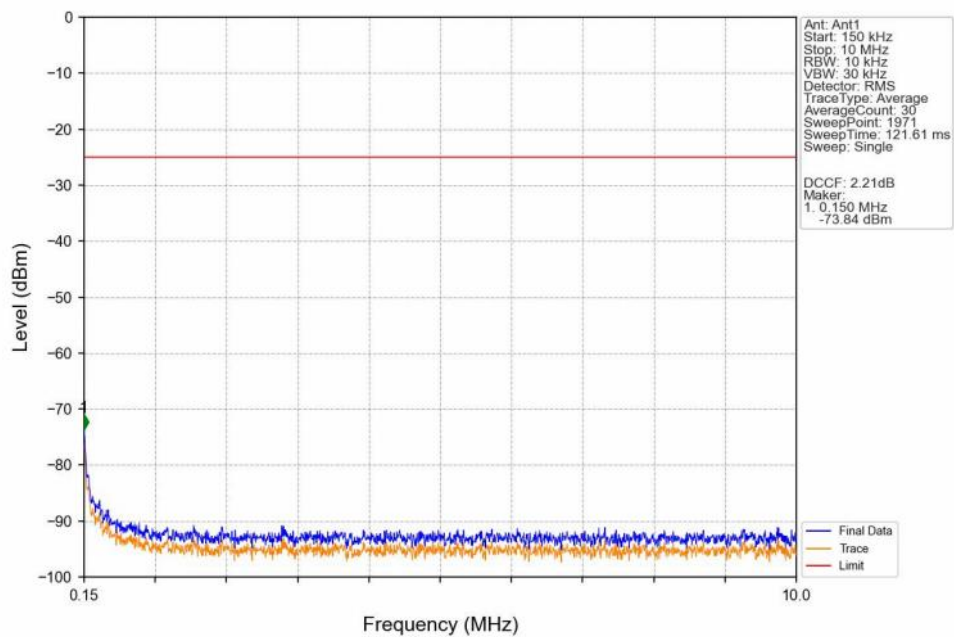


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.450	-51.45	-25	Pass
2490.5	2496	1	CHP	2	2495.850	-51.58	-13	Pass
2496	2529	1	CHP	3	2529.000	-39.79	-25	Pass
2529	2530	1	CHP	4	2530.000	-37.59	-13	Pass
2530	2534	1	CHP	5	2533.450	-30.68	-10	Pass
2534	2535	0.107	CHP	6	2534.950	-34.60	-10	Pass
2535	2540	0.107	CHP	/	/	/	/	/

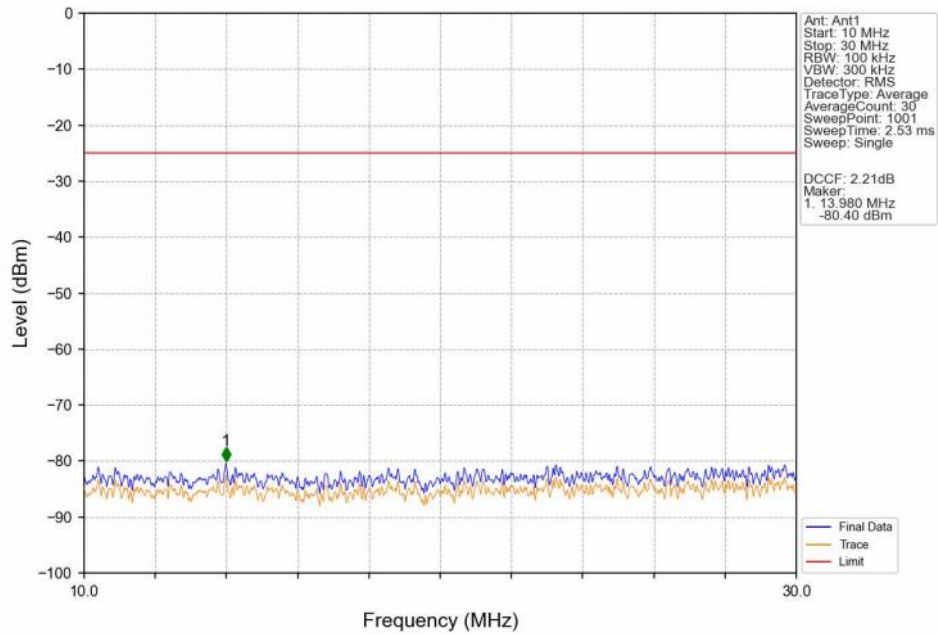
Band41_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_MCH_2595MHz_RB_1_0_NTNV

