

1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2498.5	1	0	22.46	0.75	23.21	<=33.01	Pass		
			13	22.56	0.75	23.31	<=33.01	Pass		
			24	22.57	0.75	23.32	<=33.01	Pass		
		12	0	21.56	0.75	22.31	<=33.01	Pass		
			6	21.62	0.75	22.37	<=33.01	Pass		
			13	21.46	0.75	22.21	<=33.01	Pass		
		25	0	21.50	0.75	22.25	<=33.01	Pass		
		2593	1	0	23.64	0.75	24.39	<=33.01	Pass	
				13	23.76	0.75	24.51	<=33.01	Pass	
	24			23.73	0.75	24.48	<=33.01	Pass		
	12		0	22.65	0.75	23.40	<=33.01	Pass		
			6	22.67	0.75	23.42	<=33.01	Pass		
			13	22.68	0.75	23.43	<=33.01	Pass		
	25		0	22.75	0.75	23.50	<=33.01	Pass		
	2687.5		1	0	24.33	0.75	25.08	<=33.01	Pass	
				13	24.45	0.75	25.20	<=33.01	Pass	
		24		24.30	0.75	25.05	<=33.01	Pass		
		12	0	23.26	0.75	24.01	<=33.01	Pass		
			6	23.28	0.75	24.03	<=33.01	Pass		
			13	23.25	0.75	24.00	<=33.01	Pass		
		25	0	23.26	0.75	24.01	<=33.01	Pass		
		16QAM	2498.5	1	0	21.46	0.75	22.21	<=33.01	Pass
					13	21.60	0.75	22.35	<=33.01	Pass
	24				21.52	0.75	22.27	<=33.01	Pass	
12	0			20.52	0.75	21.27	<=33.01	Pass		
	6			20.44	0.75	21.19	<=33.01	Pass		
	13			20.41	0.75	21.16	<=33.01	Pass		
25	0			20.50	0.75	21.25	<=33.01	Pass		
2593	1			0	22.30	0.75	23.05	<=33.01	Pass	
				13	22.80	0.75	23.55	<=33.01	Pass	
			24	22.62	0.75	23.37	<=33.01	Pass		
	12		0	21.56	0.75	22.31	<=33.01	Pass		
			6	21.72	0.75	22.47	<=33.01	Pass		
			13	21.69	0.75	22.44	<=33.01	Pass		
	25		0	21.57	0.75	22.32	<=33.01	Pass		
	2687.5		1	0	23.47	0.75	24.22	<=33.01	Pass	
				13	23.59	0.75	24.34	<=33.01	Pass	
24				23.46	0.75	24.21	<=33.01	Pass		
12			0	22.20	0.75	22.95	<=33.01	Pass		
			6	22.36	0.75	23.11	<=33.01	Pass		
			13	22.22	0.75	22.97	<=33.01	Pass		
25			0	22.18	0.75	22.93	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.2 B41_10MHz_EIRP

1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2501	1	0	22.55	0.75	23.30	<=33.01	Pass		
			25	22.85	0.75	23.60	<=33.01	Pass		
			49	22.60	0.75	23.35	<=33.01	Pass		
		25	0	21.63	0.75	22.38	<=33.01	Pass		
			13	21.59	0.75	22.34	<=33.01	Pass		
			25	21.59	0.75	22.34	<=33.01	Pass		
		50	0	21.63	0.75	22.38	<=33.01	Pass		
		2593	1	0	23.65	0.75	24.40	<=33.01	Pass	
				25	24.03	0.75	24.78	<=33.01	Pass	
	49			23.81	0.75	24.56	<=33.01	Pass		
	25		0	22.82	0.75	23.57	<=33.01	Pass		
			13	22.77	0.75	23.52	<=33.01	Pass		
			25	22.77	0.75	23.52	<=33.01	Pass		
	50		0	22.71	0.75	23.46	<=33.01	Pass		
	2685		1	0	24.41	0.75	25.16	<=33.01	Pass	
				25	24.55	0.75	25.30	<=33.01	Pass	
		49		24.28	0.75	25.03	<=33.01	Pass		
		25	0	23.50	0.75	24.25	<=33.01	Pass		
			13	23.46	0.75	24.21	<=33.01	Pass		
			25	23.31	0.75	24.06	<=33.01	Pass		
		50	0	23.40	0.75	24.15	<=33.01	Pass		
		16QAM	2501	1	0	21.67	0.75	22.42	<=33.01	Pass
					25	21.59	0.75	22.34	<=33.01	Pass
	49				21.52	0.75	22.27	<=33.01	Pass	
25	0			20.54	0.75	21.29	<=33.01	Pass		
	13			20.54	0.75	21.29	<=33.01	Pass		
	25			20.48	0.75	21.23	<=33.01	Pass		
50	0			20.53	0.75	21.28	<=33.01	Pass		
2593	1			0	22.33	0.75	23.08	<=33.01	Pass	
				25	22.81	0.75	23.56	<=33.01	Pass	
			49	22.56	0.75	23.31	<=33.01	Pass		
	25		0	21.74	0.75	22.49	<=33.01	Pass		
			13	21.77	0.75	22.52	<=33.01	Pass		
			25	21.72	0.75	22.47	<=33.01	Pass		
	50		0	21.62	0.75	22.37	<=33.01	Pass		
	2685		1	0	23.12	0.75	23.87	<=33.01	Pass	
				25	23.36	0.75	24.11	<=33.01	Pass	
49				23.36	0.75	24.11	<=33.01	Pass		
25			0	22.46	0.75	23.21	<=33.01	Pass		
			13	22.39	0.75	23.14	<=33.01	Pass		
			25	22.22	0.75	22.97	<=33.01	Pass		
50			0	22.36	0.75	23.11	<=33.01	Pass		

Note1: EIRP=Conducted Power+Antenna Gain

1.3 B41_15MHz_EIRP

1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	

QPSK	2503.5	1	0	22.36	0.75	23.11	<=33.01	Pass
			38	22.70	0.75	23.45	<=33.01	Pass
			74	22.56	0.75	23.31	<=33.01	Pass
		36	0	21.60	0.75	22.35	<=33.01	Pass
			18	21.56	0.75	22.31	<=33.01	Pass
			39	21.55	0.75	22.30	<=33.01	Pass
	75	0	21.67	0.75	22.42	<=33.01	Pass	
	2593	1	0	23.49	0.75	24.24	<=33.01	Pass
			38	23.76	0.75	24.51	<=33.01	Pass
			74	23.66	0.75	24.41	<=33.01	Pass
		36	0	22.76	0.75	23.51	<=33.01	Pass
			18	22.78	0.75	23.53	<=33.01	Pass
			39	22.73	0.75	23.48	<=33.01	Pass
	75	0	22.79	0.75	23.54	<=33.01	Pass	
	2682.5	1	0	24.29	0.75	25.04	<=33.01	Pass
			38	24.42	0.75	25.17	<=33.01	Pass
			74	24.08	0.75	24.83	<=33.01	Pass
		36	0	23.47	0.75	24.22	<=33.01	Pass
18			23.44	0.75	24.19	<=33.01	Pass	
39			23.34	0.75	24.09	<=33.01	Pass	
75	0	23.44	0.75	24.19	<=33.01	Pass		
16QAM	2503.5	1	0	21.37	0.75	22.12	<=33.01	Pass
			38	21.49	0.75	22.24	<=33.01	Pass
			74	21.45	0.75	22.20	<=33.01	Pass
		36	0	20.51	0.75	21.26	<=33.01	Pass
			18	20.51	0.75	21.26	<=33.01	Pass
			39	20.54	0.75	21.29	<=33.01	Pass
	75	0	20.61	0.75	21.36	<=33.01	Pass	
	2593	1	0	22.28	0.75	23.03	<=33.01	Pass
			38	22.52	0.75	23.27	<=33.01	Pass
			74	22.44	0.75	23.19	<=33.01	Pass
		36	0	21.60	0.75	22.35	<=33.01	Pass
			18	21.66	0.75	22.41	<=33.01	Pass
			39	21.66	0.75	22.41	<=33.01	Pass
	75	0	21.65	0.75	22.40	<=33.01	Pass	
	2682.5	1	0	23.00	0.75	23.75	<=33.01	Pass
			38	23.36	0.75	24.11	<=33.01	Pass
			74	22.85	0.75	23.60	<=33.01	Pass
		36	0	22.41	0.75	23.16	<=33.01	Pass
18			22.38	0.75	23.13	<=33.01	Pass	
39			22.26	0.75	23.01	<=33.01	Pass	
75	0	22.30	0.75	23.05	<=33.01	Pass		
Note1: EIRP=Conducted Power+Antenna Gain								

1.4 B41_20MHz_EIRP

1.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	22.23	0.75	22.98	<=33.01	Pass
			50	22.78	0.75	23.53	<=33.01	Pass
			99	22.38	0.75	23.13	<=33.01	Pass
		50	0	21.63	0.75	22.38	<=33.01	Pass
			25	21.49	0.75	22.24	<=33.01	Pass
			50	21.55	0.75	22.30	<=33.01	Pass
		100	0	21.62	0.75	22.37	<=33.01	Pass

	2593	1	0	23.19	0.75	23.94	<=33.01	Pass		
			50	23.93	0.75	24.68	<=33.01	Pass		
			99	23.61	0.75	24.36	<=33.01	Pass		
		50	0	22.68	0.75	23.43	<=33.01	Pass		
			25	22.69	0.75	23.44	<=33.01	Pass		
			50	22.70	0.75	23.45	<=33.01	Pass		
		100	0	22.67	0.75	23.42	<=33.01	Pass		
		2680	1	0	24.23	0.75	24.98	<=33.01	Pass	
				50	24.63	0.75	25.38	<=33.01	Pass	
	99			24.03	0.75	24.78	<=33.01	Pass		
	50		0	23.57	0.75	24.32	<=33.01	Pass		
			25	23.35	0.75	24.10	<=33.01	Pass		
			50	23.23	0.75	23.98	<=33.01	Pass		
	100		0	23.37	0.75	24.12	<=33.01	Pass		
	16QAM		2506	1	0	21.28	0.75	22.03	<=33.01	Pass
					50	21.85	0.75	22.60	<=33.01	Pass
		99			21.31	0.75	22.06	<=33.01	Pass	
		50		0	20.57	0.75	21.32	<=33.01	Pass	
25				20.41	0.75	21.16	<=33.01	Pass		
50				20.40	0.75	21.15	<=33.01	Pass		
100		0		20.48	0.75	21.23	<=33.01	Pass		
2593		1		0	21.91	0.75	22.66	<=33.01	Pass	
				50	22.52	0.75	23.27	<=33.01	Pass	
			99	22.59	0.75	23.34	<=33.01	Pass		
		50	0	21.61	0.75	22.36	<=33.01	Pass		
			25	21.64	0.75	22.39	<=33.01	Pass		
			50	21.65	0.75	22.40	<=33.01	Pass		
		100	0	21.62	0.75	22.37	<=33.01	Pass		
		2680	1	0	23.34	0.75	24.09	<=33.01	Pass	
				50	23.39	0.75	24.14	<=33.01	Pass	
99				22.91	0.75	23.66	<=33.01	Pass		
50			0	22.52	0.75	23.27	<=33.01	Pass		
	25		22.29	0.75	23.04	<=33.01	Pass			
	50		22.12	0.75	22.87	<=33.01	Pass			
100	0		22.34	0.75	23.09	<=33.01	Pass			
Note1: EIRP=Conducted Power+Antenna Gain										

2. Frequency Stability

2.1 B41_5MHz

2.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.27	6.695	0.0027	-2.5 to 2.5	Pass
					3.85	-0.887	-0.0004	-2.5 to 2.5	Pass
					4.43	17.638	0.0071	-2.5 to 2.5	Pass
				-30	3.85	17.867	0.0072	-2.5 to 2.5	Pass
				-20	3.85	13.504	0.0054	-2.5 to 2.5	Pass
				-10	3.85	16.150	0.0065	-2.5 to 2.5	Pass
				0	3.85	5.164	0.0021	-2.5 to 2.5	Pass
				10	3.85	10.500	0.0042	-2.5 to 2.5	Pass
				30	3.85	0.615	0.0002	-2.5 to 2.5	Pass
				40	3.85	-6.008	-0.0024	-2.5 to 2.5	Pass

	2593	25	0	50	3.85	-19.884	-0.0080	-2.5 to 2.5	Pass
				20	3.27	-8.798	-0.0034	-2.5 to 2.5	Pass
					3.85	-28.124	-0.0108	-2.5 to 2.5	Pass
					4.43	-0.787	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	20.728	0.0080	-2.5 to 2.5	Pass
				-20	3.85	8.397	0.0032	-2.5 to 2.5	Pass
				-10	3.85	63.329	0.0244	-2.5 to 2.5	Pass
				0	3.85	46.220	0.0178	-2.5 to 2.5	Pass
				10	3.85	50.254	0.0194	-2.5 to 2.5	Pass
				30	3.85	34.676	0.0134	-2.5 to 2.5	Pass
	40	3.85	24.018	0.0093	-2.5 to 2.5	Pass			
	50	3.85	22.902	0.0088	-2.5 to 2.5	Pass			
	2687.5	25	0	20	3.27	-8.826	-0.0033	-2.5 to 2.5	Pass
					3.85	-26.479	-0.0099	-2.5 to 2.5	Pass
					4.43	-26.164	-0.0097	-2.5 to 2.5	Pass
				-30	3.85	-21.772	-0.0081	-2.5 to 2.5	Pass
				-20	3.85	-27.094	-0.0101	-2.5 to 2.5	Pass
				-10	3.85	-41.943	-0.0156	-2.5 to 2.5	Pass
				0	3.85	-39.310	-0.0146	-2.5 to 2.5	Pass
				10	3.85	-58.265	-0.0217	-2.5 to 2.5	Pass
30				3.85	-61.169	-0.0228	-2.5 to 2.5	Pass	
40				3.85	-44.503	-0.0166	-2.5 to 2.5	Pass	
50	3.85	-42.987	-0.0160	-2.5 to 2.5	Pass				
16QAM	2498.5	25	0	20	3.27	-17.338	-0.0069	-2.5 to 2.5	Pass
					3.85	-34.289	-0.0137	-2.5 to 2.5	Pass
					4.43	-9.127	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-9.456	-0.0038	-2.5 to 2.5	Pass
				-20	3.85	9.141	0.0037	-2.5 to 2.5	Pass
				-10	3.85	8.969	0.0036	-2.5 to 2.5	Pass
				0	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
				10	3.85	-13.633	-0.0055	-2.5 to 2.5	Pass
				30	3.85	-18.783	-0.0075	-2.5 to 2.5	Pass
				40	3.85	-12.603	-0.0050	-2.5 to 2.5	Pass
	50	3.85	-28.524	-0.0114	-2.5 to 2.5	Pass			
	2593	25	0	20	3.27	17.481	0.0067	-2.5 to 2.5	Pass
					3.85	1.574	0.0006	-2.5 to 2.5	Pass
					4.43	-3.748	-0.0014	-2.5 to 2.5	Pass
				-30	3.85	-12.102	-0.0047	-2.5 to 2.5	Pass
				-20	3.85	-12.145	-0.0047	-2.5 to 2.5	Pass
				-10	3.85	34.604	0.0133	-2.5 to 2.5	Pass
				0	3.85	19.655	0.0076	-2.5 to 2.5	Pass
				10	3.85	13.132	0.0051	-2.5 to 2.5	Pass
				30	3.85	18.983	0.0073	-2.5 to 2.5	Pass
40				3.85	6.151	0.0024	-2.5 to 2.5	Pass	
50	3.85	26.035	0.0100	-2.5 to 2.5	Pass				
2687.5	25	0	20	3.27	-41.986	-0.0156	-2.5 to 2.5	Pass	
				3.85	-57.392	-0.0214	-2.5 to 2.5	Pass	
				4.43	-47.064	-0.0175	-2.5 to 2.5	Pass	
			-30	3.85	-70.210	-0.0261	-2.5 to 2.5	Pass	
			-20	3.85	-65.560	-0.0244	-2.5 to 2.5	Pass	
			-10	3.85	-6.924	-0.0026	-2.5 to 2.5	Pass	
			0	3.85	-19.441	-0.0072	-2.5 to 2.5	Pass	
			10	3.85	-2.489	-0.0009	-2.5 to 2.5	Pass	
			30	3.85	-10.242	-0.0038	-2.5 to 2.5	Pass	
			40	3.85	-17.195	-0.0064	-2.5 to 2.5	Pass	
50	3.85	-7.524	-0.0028	-2.5 to 2.5	Pass				

2.2 B41_10MHz

2.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.27	-12.774	-0.0051	-2.5 to 2.5	Pass
					3.85	-1.087	-0.0004	-2.5 to 2.5	Pass
					4.43	-4.792	-0.0019	-2.5 to 2.5	Pass
				-30	3.85	-5.307	-0.0021	-2.5 to 2.5	Pass
				-20	3.85	-7.710	-0.0031	-2.5 to 2.5	Pass
				-10	3.85	-6.695	-0.0027	-2.5 to 2.5	Pass
				0	3.85	-14.791	-0.0059	-2.5 to 2.5	Pass
				10	3.85	-8.769	-0.0035	-2.5 to 2.5	Pass
				30	3.85	-13.218	-0.0053	-2.5 to 2.5	Pass
				40	3.85	-2.503	-0.0010	-2.5 to 2.5	Pass
	50	3.85	-9.456	-0.0038	-2.5 to 2.5	Pass			
	2593	50	0	20	3.27	-21.830	-0.0084	-2.5 to 2.5	Pass
					3.85	-5.865	-0.0023	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-8.082	-0.0031	-2.5 to 2.5	Pass
				-20	3.85	-8.783	-0.0034	-2.5 to 2.5	Pass
				-10	3.85	-3.819	-0.0015	-2.5 to 2.5	Pass
				0	3.85	-14.062	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-7.625	-0.0029	-2.5 to 2.5	Pass
				30	3.85	-16.308	-0.0063	-2.5 to 2.5	Pass
				40	3.85	-17.166	-0.0066	-2.5 to 2.5	Pass
	50	3.85	-13.676	-0.0053	-2.5 to 2.5	Pass			
	2685	50	0	20	3.27	-10.057	-0.0037	-2.5 to 2.5	Pass
					3.85	-16.322	-0.0061	-2.5 to 2.5	Pass
					4.43	-18.311	-0.0068	-2.5 to 2.5	Pass
				-30	3.85	-14.091	-0.0052	-2.5 to 2.5	Pass
				-20	3.85	-15.864	-0.0059	-2.5 to 2.5	Pass
				-10	3.85	-14.648	-0.0055	-2.5 to 2.5	Pass
				0	3.85	-7.052	-0.0026	-2.5 to 2.5	Pass
				10	3.85	0.744	0.0003	-2.5 to 2.5	Pass
30				3.85	-16.465	-0.0061	-2.5 to 2.5	Pass	
40				3.85	-5.565	-0.0021	-2.5 to 2.5	Pass	
50	3.85	-4.792	-0.0018	-2.5 to 2.5	Pass				
16QAM	2501	50	0	20	3.27	-6.495	-0.0026	-2.5 to 2.5	Pass
					3.85	-7.267	-0.0029	-2.5 to 2.5	Pass
					4.43	-7.181	-0.0029	-2.5 to 2.5	Pass
				-30	3.85	-7.582	-0.0030	-2.5 to 2.5	Pass
				-20	3.85	-2.189	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	-10.285	-0.0041	-2.5 to 2.5	Pass
				0	3.85	-21.372	-0.0085	-2.5 to 2.5	Pass
				10	3.85	-9.727	-0.0039	-2.5 to 2.5	Pass
				30	3.85	-11.344	-0.0045	-2.5 to 2.5	Pass
	40	3.85	-5.808	-0.0023	-2.5 to 2.5	Pass			
	50	3.85	-1.116	-0.0004	-2.5 to 2.5	Pass			
	2593	50	0	20	3.27	-5.965	-0.0023	-2.5 to 2.5	Pass
					3.85	-19.054	-0.0073	-2.5 to 2.5	Pass
					4.43	6.480	0.0025	-2.5 to 2.5	Pass
				-30	3.85	-11.015	-0.0042	-2.5 to 2.5	Pass
				-20	3.85	-7.195	-0.0028	-2.5 to 2.5	Pass
				-10	3.85	-12.245	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-4.406	-0.0017	-2.5 to 2.5	Pass
10				3.85	-7.567	-0.0029	-2.5 to 2.5	Pass	

				30	3.85	-10.543	-0.0041	-2.5 to 2.5	Pass
				40	3.85	-13.247	-0.0051	-2.5 to 2.5	Pass
				50	3.85	-6.337	-0.0024	-2.5 to 2.5	Pass
	2685	50	0	20	3.27	-12.102	-0.0045	-2.5 to 2.5	Pass
3.85					-11.458	-0.0043	-2.5 to 2.5	Pass	
4.43					-15.492	-0.0058	-2.5 to 2.5	Pass	
-30				3.85	-6.938	-0.0026	-2.5 to 2.5	Pass	
-20				3.85	-0.815	-0.0003	-2.5 to 2.5	Pass	
-10				3.85	-5.536	-0.0021	-2.5 to 2.5	Pass	
0				3.85	-1.030	-0.0004	-2.5 to 2.5	Pass	
10				3.85	-3.805	-0.0014	-2.5 to 2.5	Pass	
30				3.85	-14.877	-0.0055	-2.5 to 2.5	Pass	
40				3.85	-12.031	-0.0045	-2.5 to 2.5	Pass	
50				3.85	-8.140	-0.0030	-2.5 to 2.5	Pass	

2.3 B41_15MHz

2.3.1 Test Result

Band: 41 / Bandwidth: 15MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	2503.5	75	0	20	3.27	-8.183	-0.0033	-2.5 to 2.5	Pass			
					3.85	-10.114	-0.0040	-2.5 to 2.5	Pass			
					4.43	-3.061	-0.0012	-2.5 to 2.5	Pass			
				-30	3.85	-12.560	-0.0050	-2.5 to 2.5	Pass			
				-20	3.85	-11.230	-0.0045	-2.5 to 2.5	Pass			
				-10	3.85	-1.130	-0.0005	-2.5 to 2.5	Pass			
				0	3.85	-9.041	-0.0036	-2.5 to 2.5	Pass			
				10	3.85	-4.764	-0.0019	-2.5 to 2.5	Pass			
				30	3.85	-5.736	-0.0023	-2.5 to 2.5	Pass			
				40	3.85	-3.333	-0.0013	-2.5 to 2.5	Pass			
				50	3.85	-10.872	-0.0043	-2.5 to 2.5	Pass			
				2593	75	0	20	3.27	-15.163	-0.0058	-2.5 to 2.5	Pass
								3.85	-19.169	-0.0074	-2.5 to 2.5	Pass
								4.43	-20.685	-0.0080	-2.5 to 2.5	Pass
							-30	3.85	-13.304	-0.0051	-2.5 to 2.5	Pass
	-20	3.85	-21.114				-0.0081	-2.5 to 2.5	Pass			
	-10	3.85	-19.956				-0.0077	-2.5 to 2.5	Pass			
	0	3.85	-7.610				-0.0029	-2.5 to 2.5	Pass			
	10	3.85	-21.958				-0.0085	-2.5 to 2.5	Pass			
	30	3.85	-20.456				-0.0079	-2.5 to 2.5	Pass			
	2682.5	75	0	20	3.27	-7.524	-0.0028	-2.5 to 2.5	Pass			
					3.85	-10.672	-0.0040	-2.5 to 2.5	Pass			
					4.43	-12.431	-0.0046	-2.5 to 2.5	Pass			
				-30	3.85	-14.048	-0.0052	-2.5 to 2.5	Pass			
				-20	3.85	-2.847	-0.0011	-2.5 to 2.5	Pass			
				-10	3.85	-23.460	-0.0087	-2.5 to 2.5	Pass			
				0	3.85	-3.805	-0.0014	-2.5 to 2.5	Pass			
				10	3.85	-3.076	-0.0011	-2.5 to 2.5	Pass			
				30	3.85	-1.559	-0.0006	-2.5 to 2.5	Pass			
	16QAM	2503.5	75	0	20	3.27	-2.761	-0.0011	-2.5 to 2.5	Pass		
3.85						-2.360	-0.0009	-2.5 to 2.5	Pass			
4.43						-14.763	-0.0059	-2.5 to 2.5	Pass			

				-30	3.85	-13.289	-0.0053	-2.5 to 2.5	Pass
				-20	3.85	-11.215	-0.0045	-2.5 to 2.5	Pass
				-10	3.85	-11.859	-0.0047	-2.5 to 2.5	Pass
				0	3.85	-10.586	-0.0042	-2.5 to 2.5	Pass
				10	3.85	-5.150	-0.0021	-2.5 to 2.5	Pass
				30	3.85	-6.537	-0.0026	-2.5 to 2.5	Pass
				40	3.85	-3.963	-0.0016	-2.5 to 2.5	Pass
				50	3.85	0.958	0.0004	-2.5 to 2.5	Pass
	2593	75	0	20	3.27	-17.238	-0.0066	-2.5 to 2.5	Pass
					3.85	4.678	0.0018	-2.5 to 2.5	Pass
					4.43	-18.854	-0.0073	-2.5 to 2.5	Pass
				-30	3.85	-14.133	-0.0055	-2.5 to 2.5	Pass
				-20	3.85	-13.847	-0.0053	-2.5 to 2.5	Pass
				-10	3.85	-14.005	-0.0054	-2.5 to 2.5	Pass
				0	3.85	-13.962	-0.0054	-2.5 to 2.5	Pass
				10	3.85	-10.958	-0.0042	-2.5 to 2.5	Pass
				30	3.85	-19.283	-0.0074	-2.5 to 2.5	Pass
				40	3.85	4.463	0.0017	-2.5 to 2.5	Pass
				50	3.85	-10.843	-0.0042	-2.5 to 2.5	Pass
				2682.5	75	0	20	3.27	-1.302
	3.85	-10.829	-0.0040					-2.5 to 2.5	Pass
	4.43	-9.842	-0.0037					-2.5 to 2.5	Pass
	-30	3.85	-6.537				-0.0024	-2.5 to 2.5	Pass
	-20	3.85	-8.469				-0.0032	-2.5 to 2.5	Pass
	-10	3.85	-1.674				-0.0006	-2.5 to 2.5	Pass
	0	3.85	-5.965				-0.0022	-2.5 to 2.5	Pass
	10	3.85	-7.496				-0.0028	-2.5 to 2.5	Pass
	30	3.85	-8.526				-0.0032	-2.5 to 2.5	Pass
40	3.85	-16.007	-0.0060				-2.5 to 2.5	Pass	
50	3.85	-15.264	-0.0057				-2.5 to 2.5	Pass	

2.4 B41_20MHz

2.4.1 Test Result

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.27	-17.052	-0.0068	-2.5 to 2.5	Pass
					3.85	-10.071	-0.0040	-2.5 to 2.5	Pass
					4.43	-9.284	-0.0037	-2.5 to 2.5	Pass
				-30	3.85	-14.248	-0.0057	-2.5 to 2.5	Pass
				-20	3.85	-14.377	-0.0057	-2.5 to 2.5	Pass
				-10	3.85	-20.099	-0.0080	-2.5 to 2.5	Pass
				0	3.85	-13.390	-0.0053	-2.5 to 2.5	Pass
				10	3.85	-8.140	-0.0032	-2.5 to 2.5	Pass
				30	3.85	-14.420	-0.0058	-2.5 to 2.5	Pass
				40	3.85	-8.168	-0.0033	-2.5 to 2.5	Pass
	50	3.85	-7.925	-0.0032	-2.5 to 2.5	Pass			
	2593	100	0	20	3.27	-20.185	-0.0078	-2.5 to 2.5	Pass
					3.85	-7.896	-0.0030	-2.5 to 2.5	Pass
					4.43	-10.471	-0.0040	-2.5 to 2.5	Pass
				-30	3.85	-7.024	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	-7.882	-0.0030	-2.5 to 2.5	Pass
				-10	3.85	-7.596	-0.0029	-2.5 to 2.5	Pass
				0	3.85	-15.020	-0.0058	-2.5 to 2.5	Pass
				10	3.85	-3.190	-0.0012	-2.5 to 2.5	Pass
				30	3.85	-11.959	-0.0046	-2.5 to 2.5	Pass

				40	3.85	-12.231	-0.0047	-2.5 to 2.5	Pass				
				50	3.85	-13.132	-0.0051	-2.5 to 2.5	Pass				
				20	3.27	-16.837	-0.0063	-2.5 to 2.5	Pass				
					3.85	-3.462	-0.0013	-2.5 to 2.5	Pass				
					4.43	-17.838	-0.0067	-2.5 to 2.5	Pass				
				-30	3.85	-16.251	-0.0061	-2.5 to 2.5	Pass				
				-20	3.85	-3.748	-0.0014	-2.5 to 2.5	Pass				
				-10	3.85	-12.016	-0.0045	-2.5 to 2.5	Pass				
				0	3.85	-5.021	-0.0019	-2.5 to 2.5	Pass				
				10	3.85	-8.254	-0.0031	-2.5 to 2.5	Pass				
				30	3.85	-12.989	-0.0048	-2.5 to 2.5	Pass				
				40	3.85	-16.937	-0.0063	-2.5 to 2.5	Pass				
				50	3.85	-5.107	-0.0019	-2.5 to 2.5	Pass				
				16QAM	2506	100	0	20	3.27	-7.825	-0.0031	-2.5 to 2.5	Pass
									3.85	-7.782	-0.0031	-2.5 to 2.5	Pass
4.43	-14.849	-0.0059	-2.5 to 2.5						Pass				
-30	3.85	-11.415	-0.0046					-2.5 to 2.5	Pass				
-20	3.85	-3.991	-0.0016					-2.5 to 2.5	Pass				
-10	3.85	-13.490	-0.0054					-2.5 to 2.5	Pass				
0	3.85	-12.774	-0.0051					-2.5 to 2.5	Pass				
10	3.85	-8.497	-0.0034					-2.5 to 2.5	Pass				
30	3.85	-2.747	-0.0011					-2.5 to 2.5	Pass				
40	3.85	-10.829	-0.0043					-2.5 to 2.5	Pass				
50	3.85	1.173	0.0005					-2.5 to 2.5	Pass				
2593	100	0	20					3.27	-5.608	-0.0022	-2.5 to 2.5	Pass	
					3.85	-9.942	-0.0038	-2.5 to 2.5	Pass				
					4.43	-8.154	-0.0031	-2.5 to 2.5	Pass				
			-30		3.85	-15.693	-0.0061	-2.5 to 2.5	Pass				
			-20		3.85	-3.133	-0.0012	-2.5 to 2.5	Pass				
			-10		3.85	-10.800	-0.0042	-2.5 to 2.5	Pass				
			0		3.85	-10.972	-0.0042	-2.5 to 2.5	Pass				
			10		3.85	-9.656	-0.0037	-2.5 to 2.5	Pass				
			30		3.85	-2.089	-0.0008	-2.5 to 2.5	Pass				
			40		3.85	-11.573	-0.0045	-2.5 to 2.5	Pass				
			50		3.85	-12.860	-0.0050	-2.5 to 2.5	Pass				
			2680		100	0	20	3.27	-7.553	-0.0028	-2.5 to 2.5	Pass	
3.85	-14.520	-0.0054						-2.5 to 2.5	Pass				
4.43	-14.133	-0.0053						-2.5 to 2.5	Pass				
-30	3.85	-15.664					-0.0058	-2.5 to 2.5	Pass				
-20	3.85	-8.869					-0.0033	-2.5 to 2.5	Pass				
-10	3.85	-21.515		-0.0080			-2.5 to 2.5	Pass					
0	3.85	-14.377		-0.0054			-2.5 to 2.5	Pass					
10	3.85	-9.370		-0.0035			-2.5 to 2.5	Pass					
30	3.85	-15.779		-0.0059			-2.5 to 2.5	Pass					
40	3.85	-14.963		-0.0056			-2.5 to 2.5	Pass					
50	3.85	-18.153		-0.0068			-2.5 to 2.5	Pass					

3. Modulation Characteristics

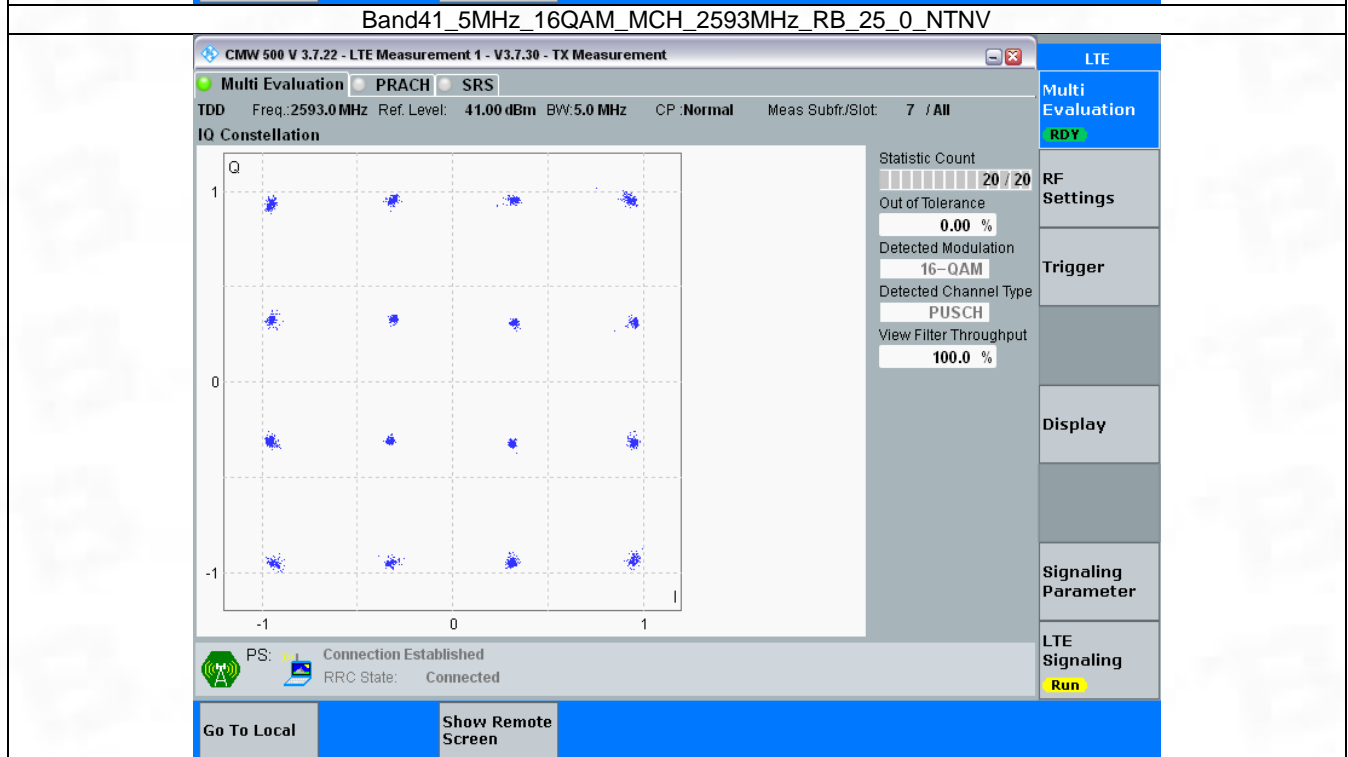
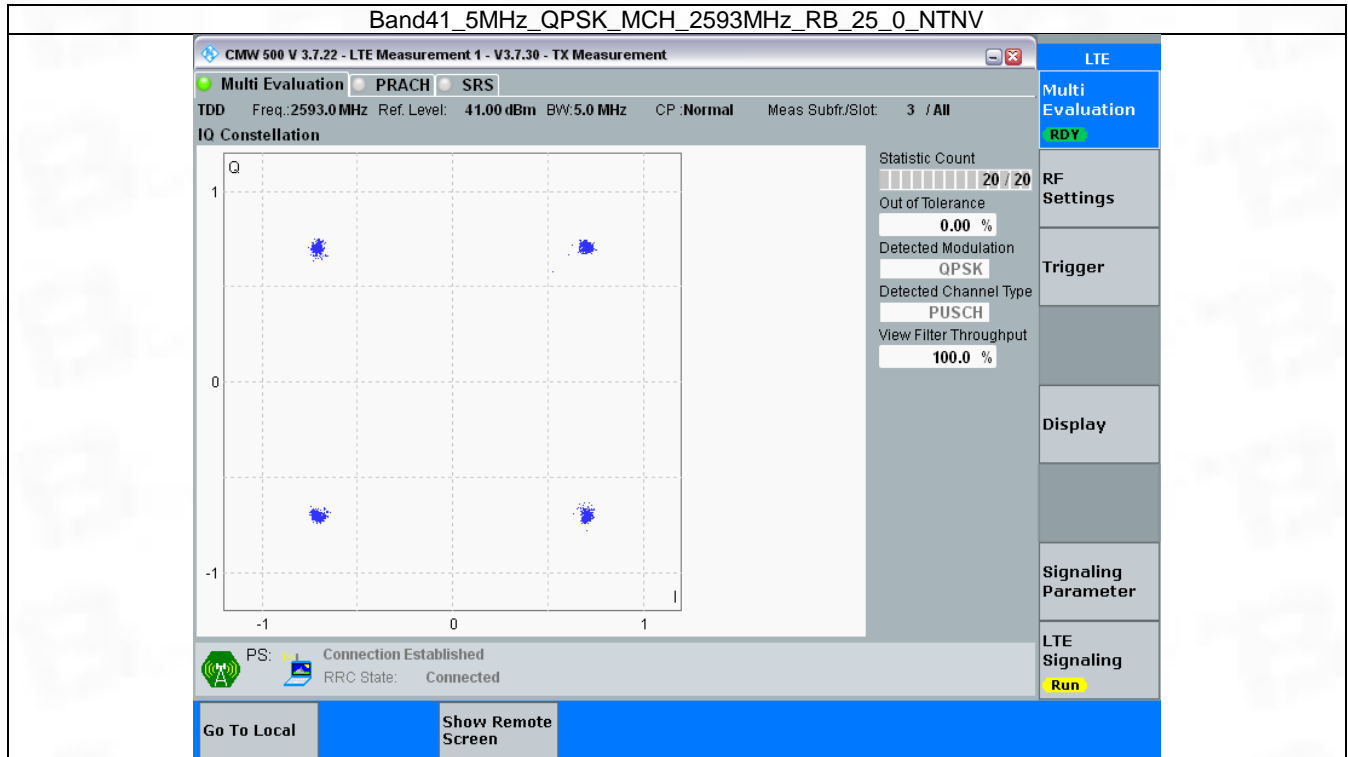
3.1 B41_5MHz

3.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	

QPSK	2593	25	0	Refer To Test Graph	Pass
16QAM	2593	25	0	Refer To Test Graph	Pass

3.1.2 Test Graph

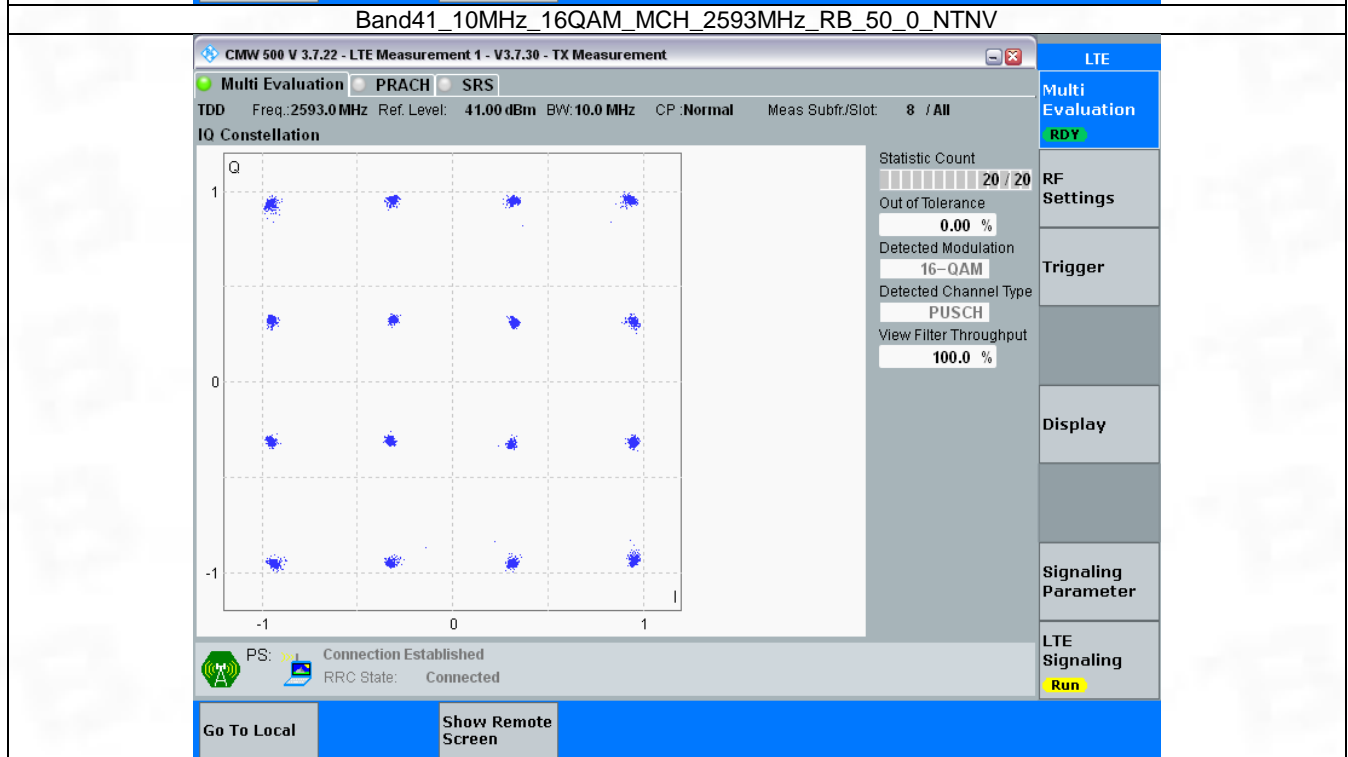
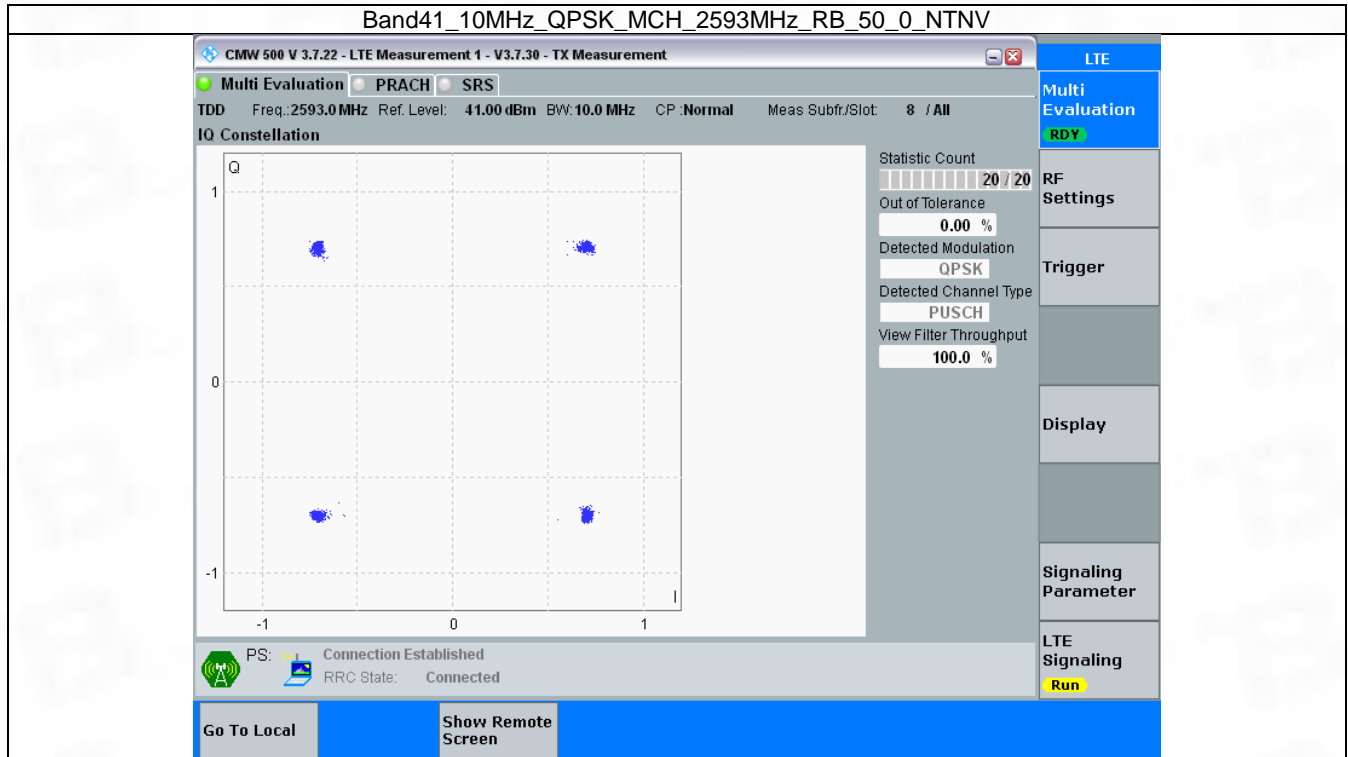


3.2 B41_10MHz

3.2.1 Test Result

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

3.2.2 Test Graph

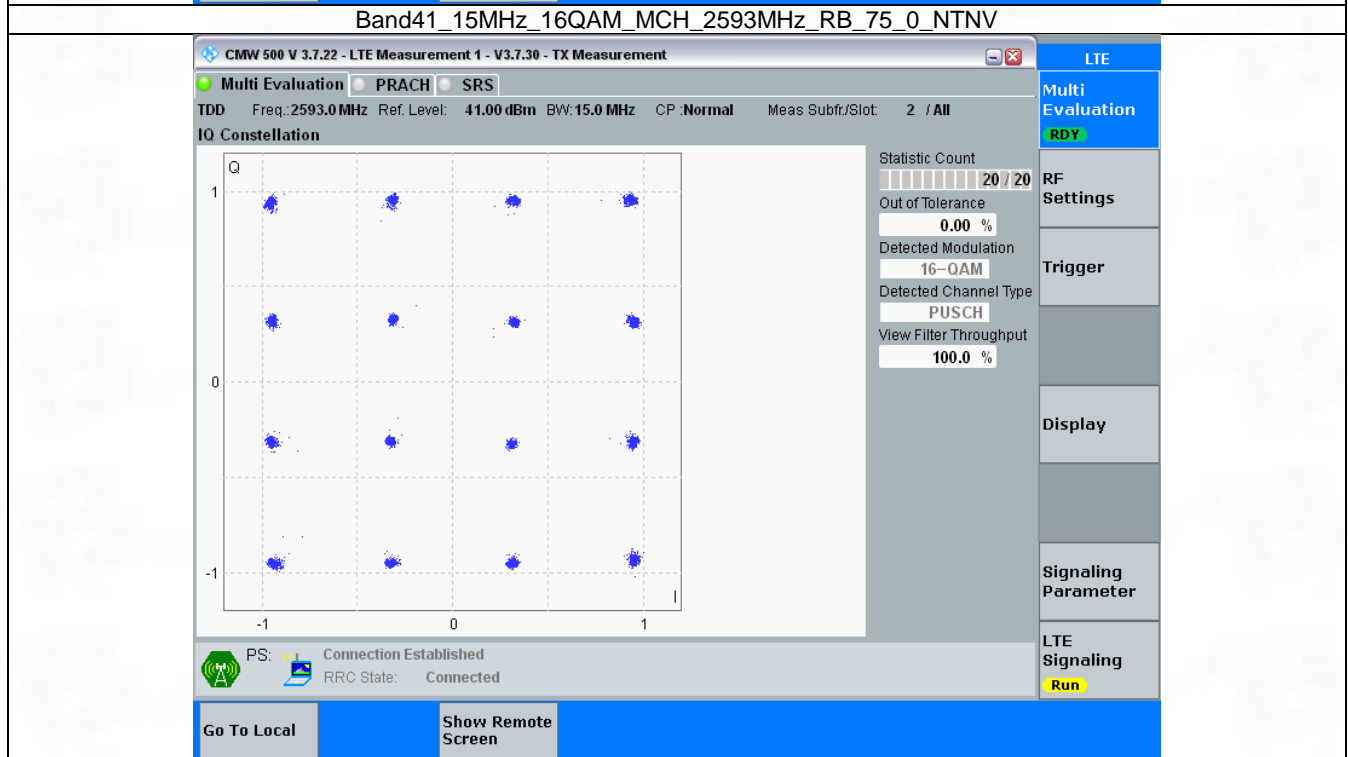
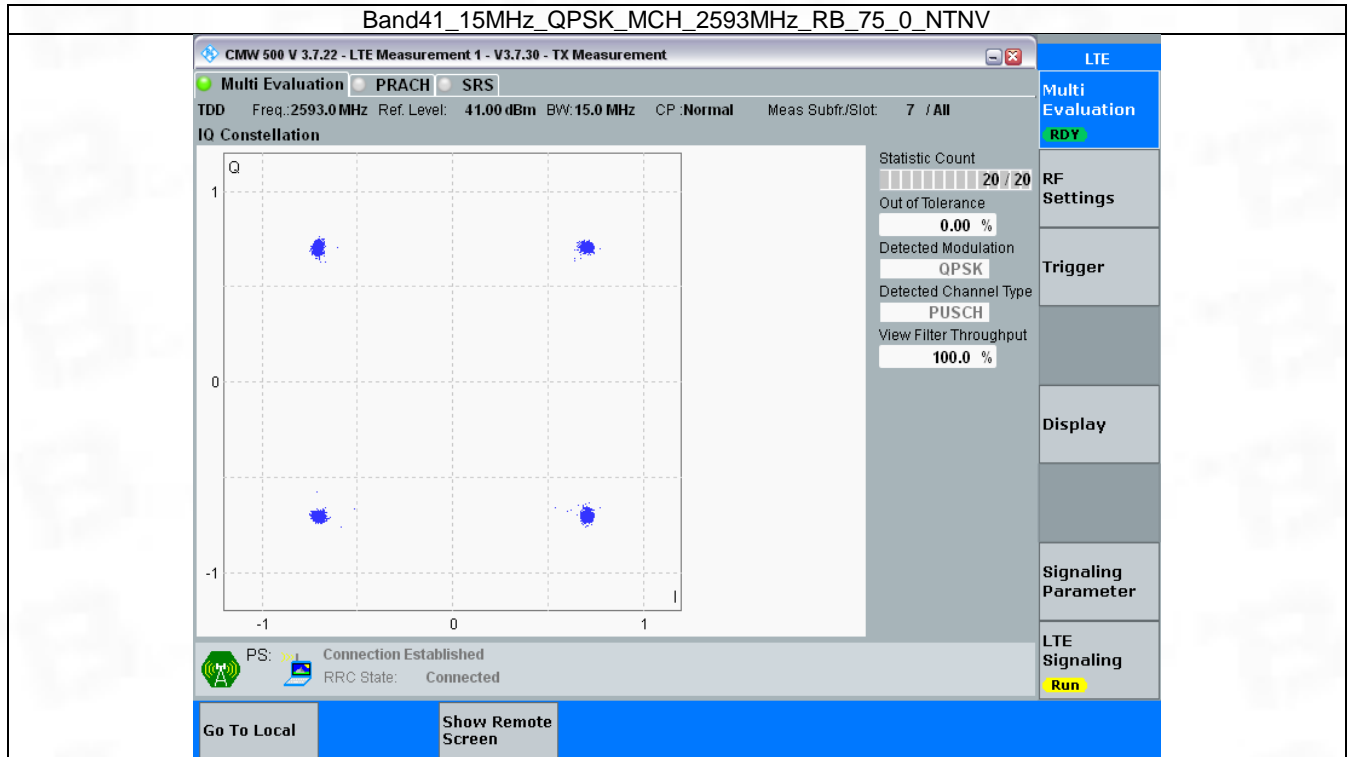


3.3 B41_15MHz

3.3.1 Test Result

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

3.3.2 Test Graph

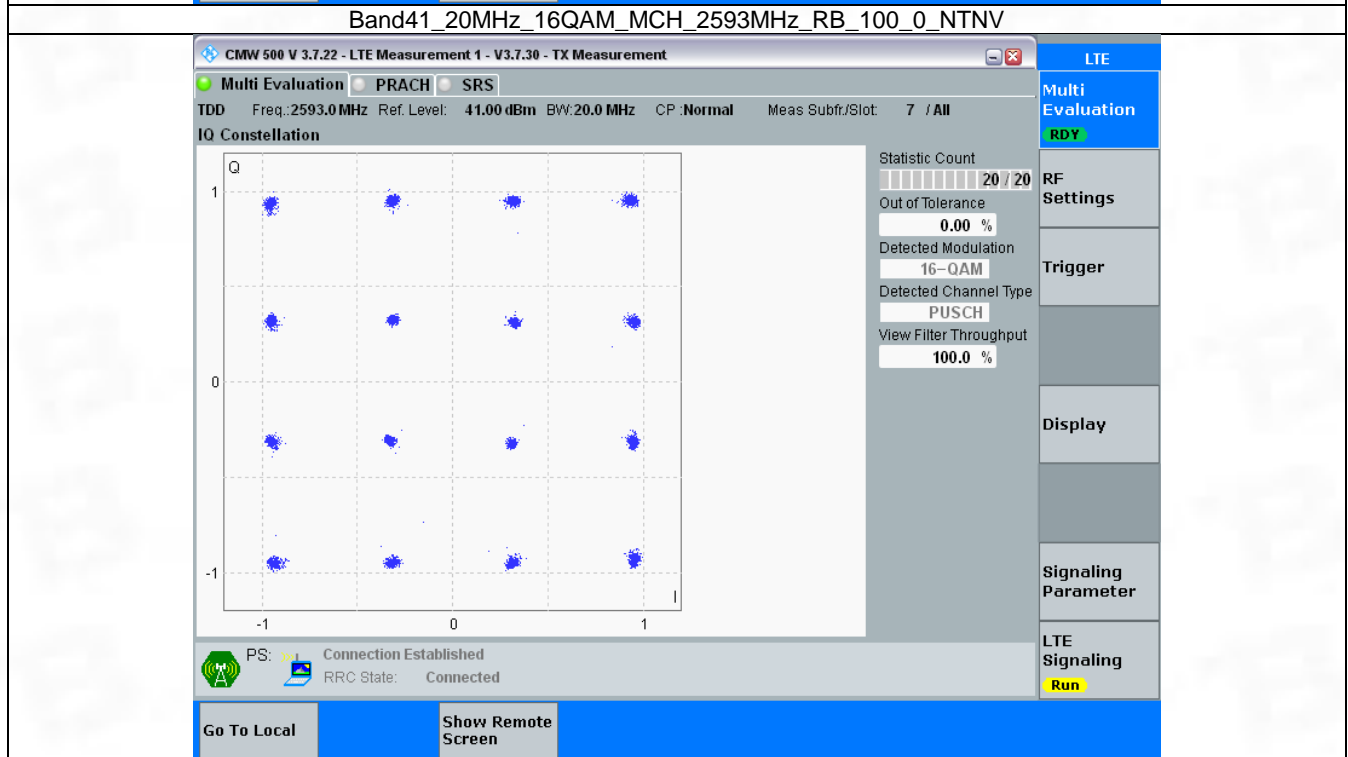
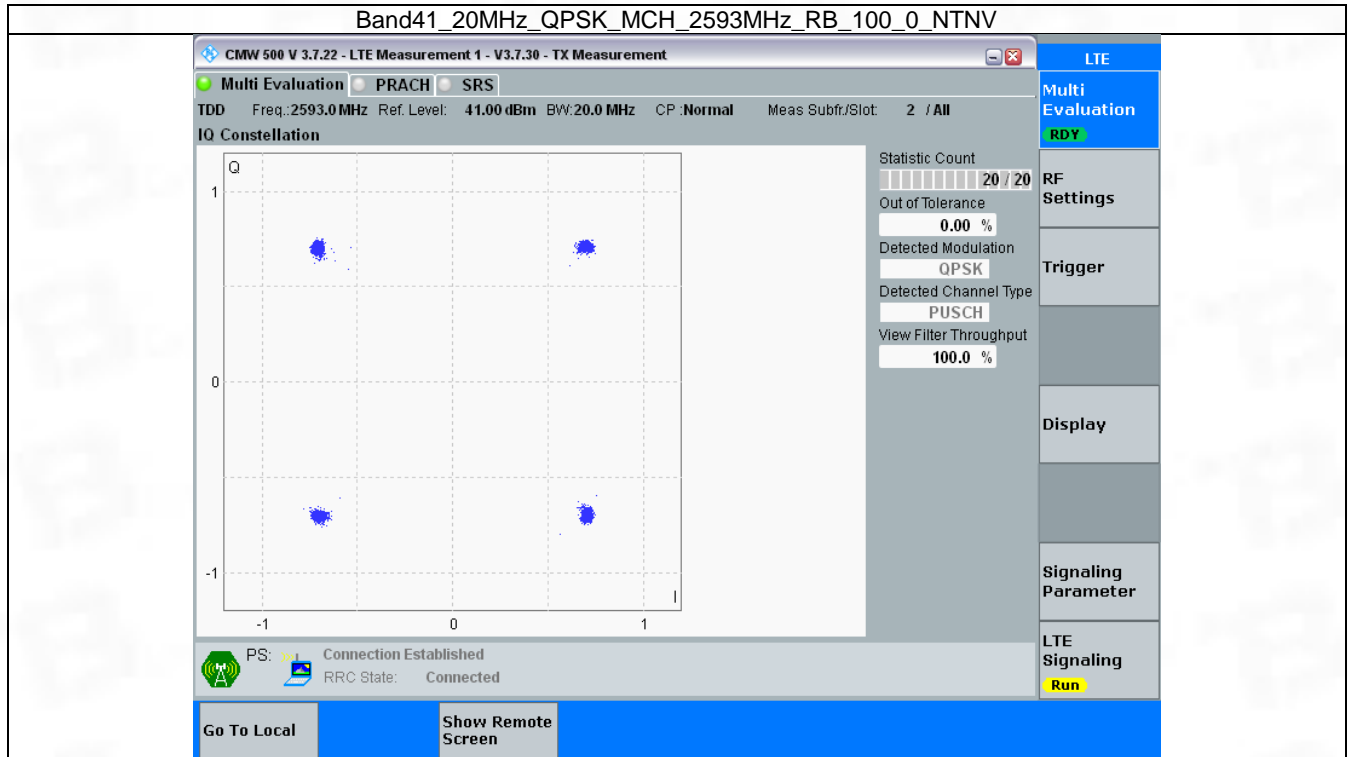


3.4 B41_20MHz

3.4.1 Test Result

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

3.4.2 Test Graph



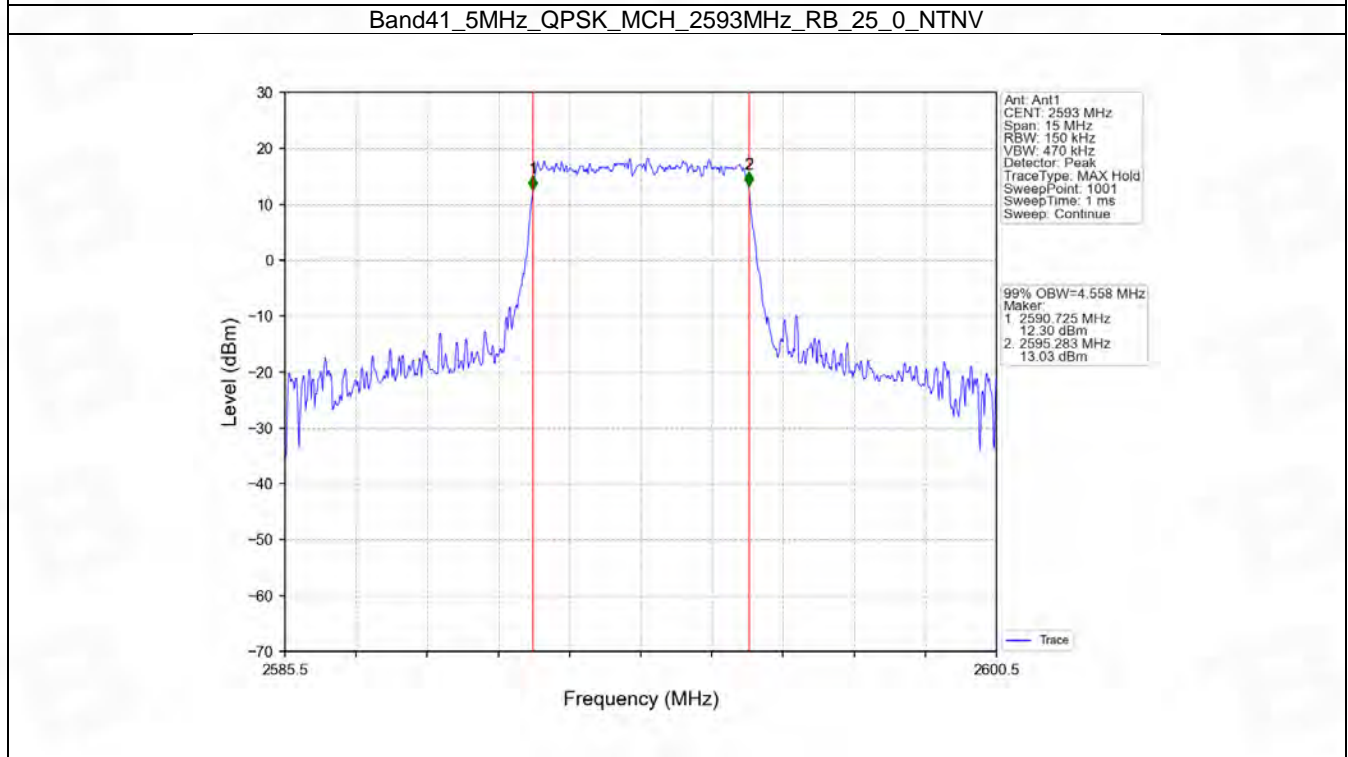
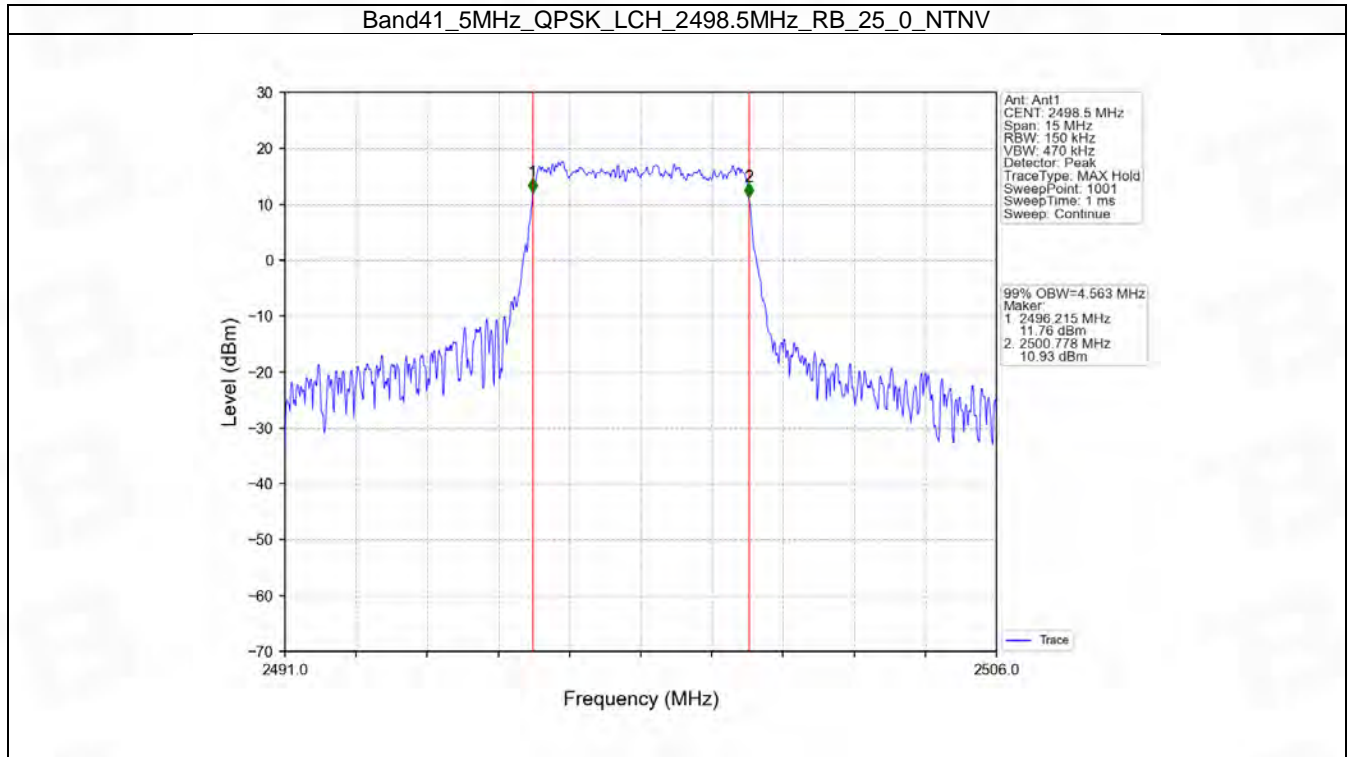
4. 99% & 26dB Bandwidth

4.1 Band41_OBW

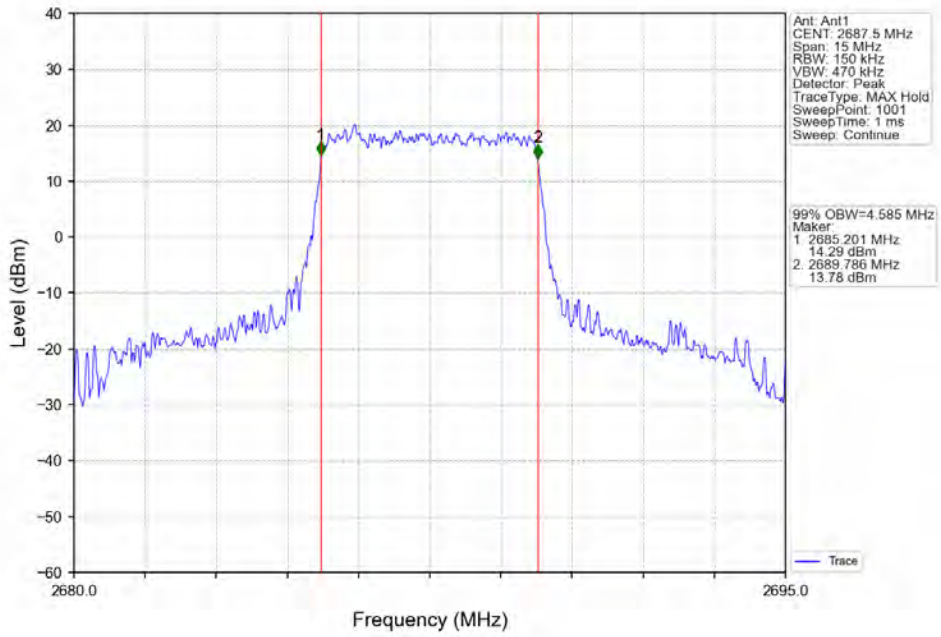
4.1.1 Test Result

Band: 41 / NTN						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	4.563	Pass
		2593	25	0	4.558	Pass
		2687.5	25	0	4.585	Pass
	16QAM	2498.5	25	0	4.558	Pass
		2593	25	0	4.601	Pass
		2687.5	25	0	4.563	Pass
10	QPSK	2501	50	0	9.131	Pass
		2593	50	0	9.080	Pass
		2685	50	0	9.104	Pass
	16QAM	2501	50	0	9.093	Pass
		2593	50	0	9.049	Pass
		2685	50	0	9.101	Pass
15	QPSK	2503.5	75	0	13.623	Pass
		2593	75	0	13.578	Pass
		2682.5	75	0	13.659	Pass
	16QAM	2503.5	75	0	13.680	Pass
		2593	75	0	13.655	Pass
		2682.5	75	0	13.643	Pass
20	QPSK	2506	100	0	18.234	Pass
		2593	100	0	18.117	Pass
		2680	100	0	18.170	Pass
	16QAM	2506	100	0	18.191	Pass
		2593	100	0	18.190	Pass
		2680	100	0	18.138	Pass

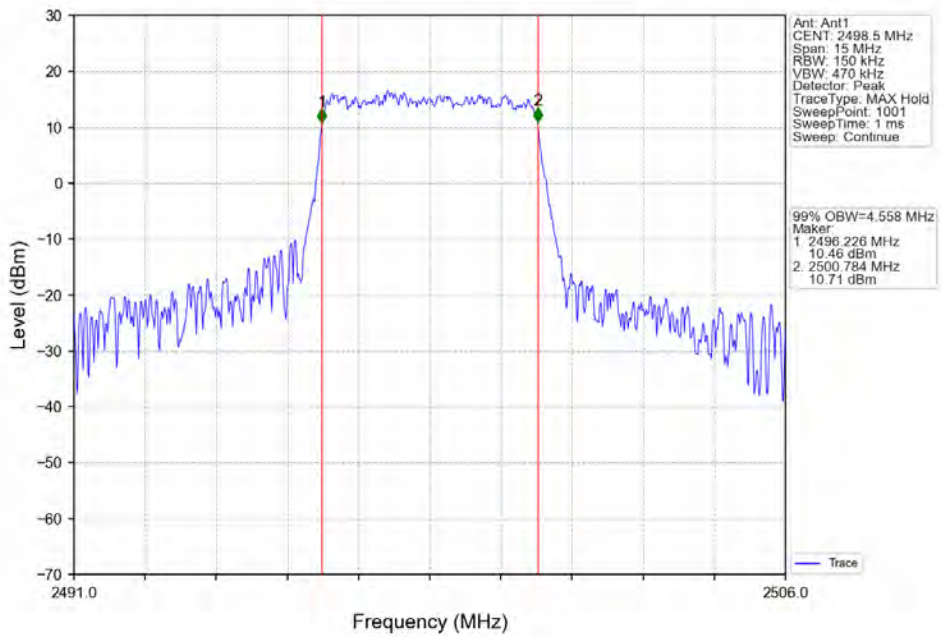
4.1.2 Test Graph



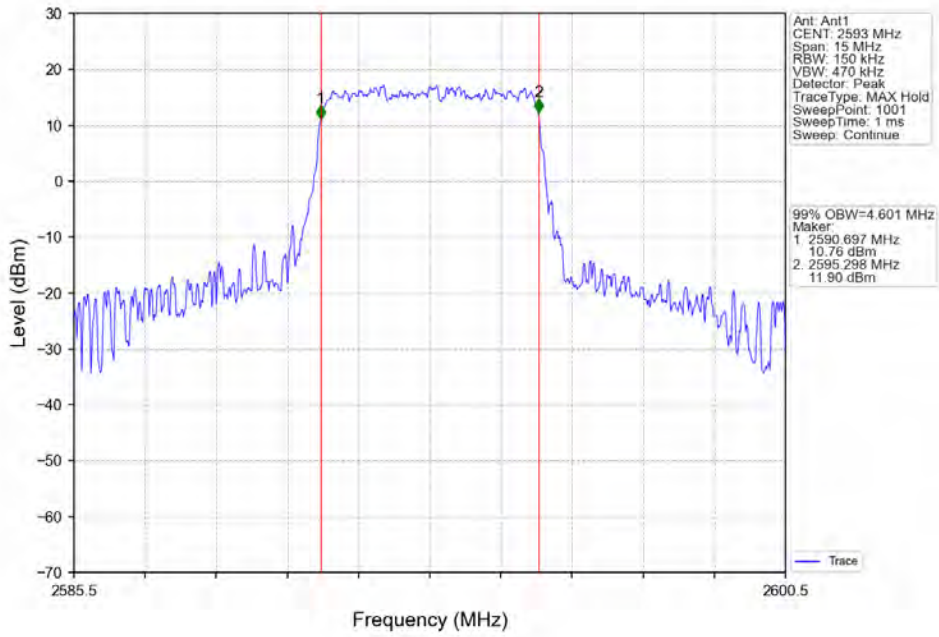
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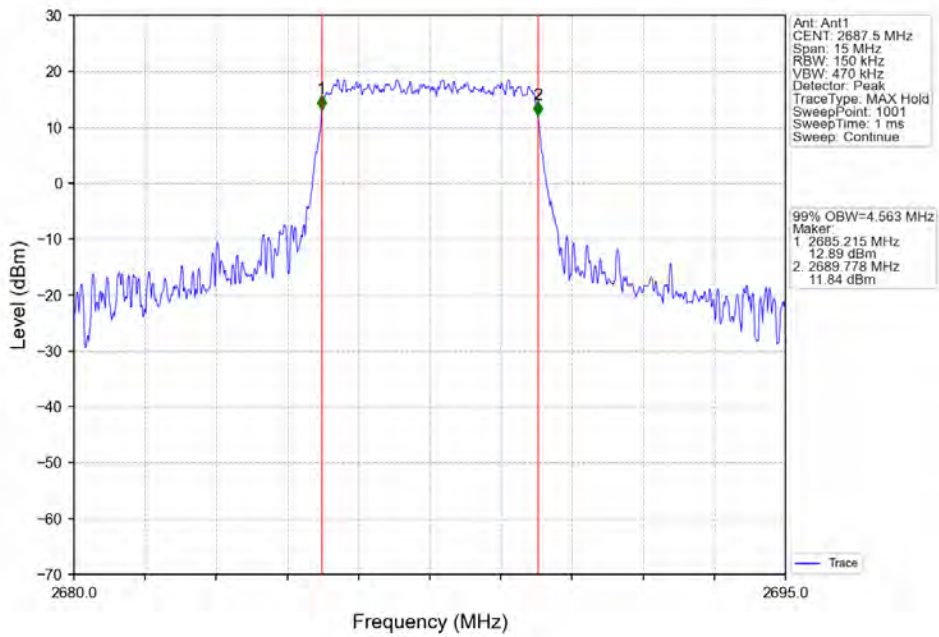
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



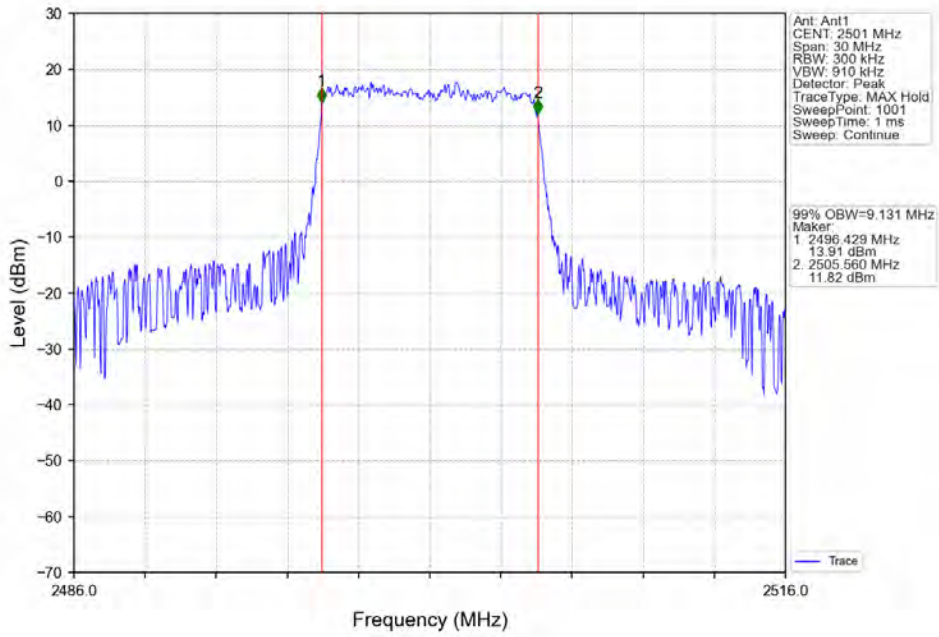
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



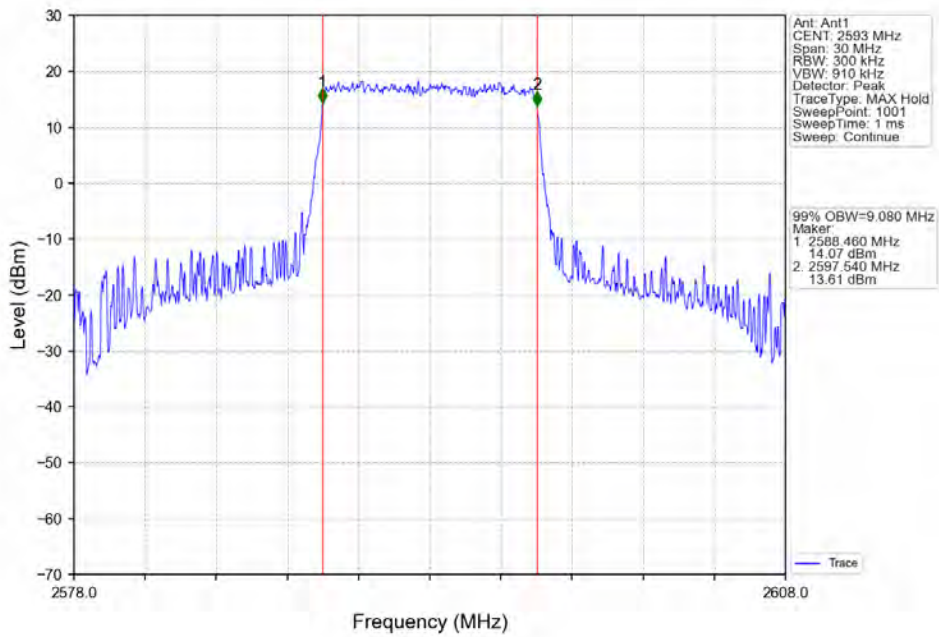
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



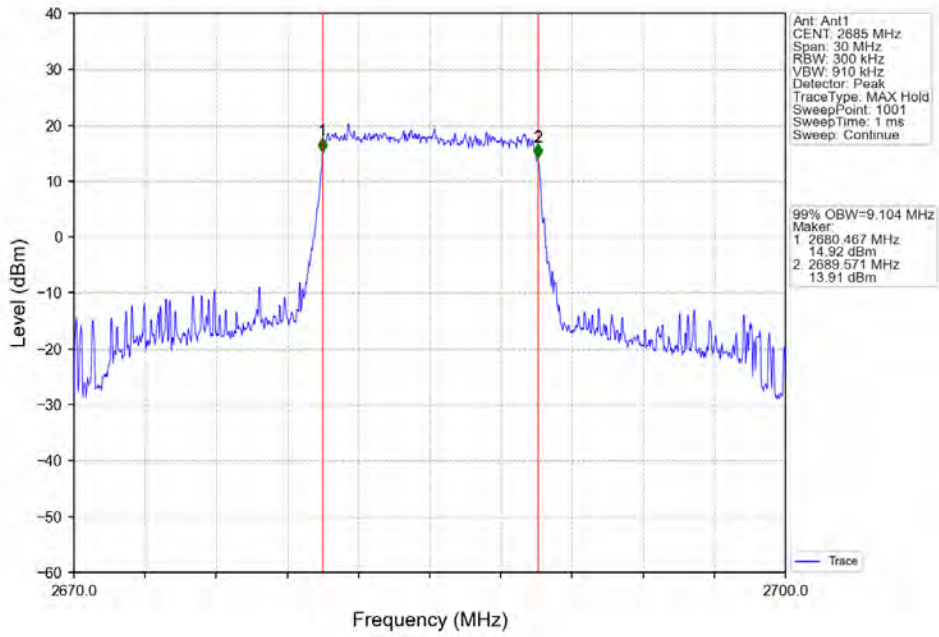
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



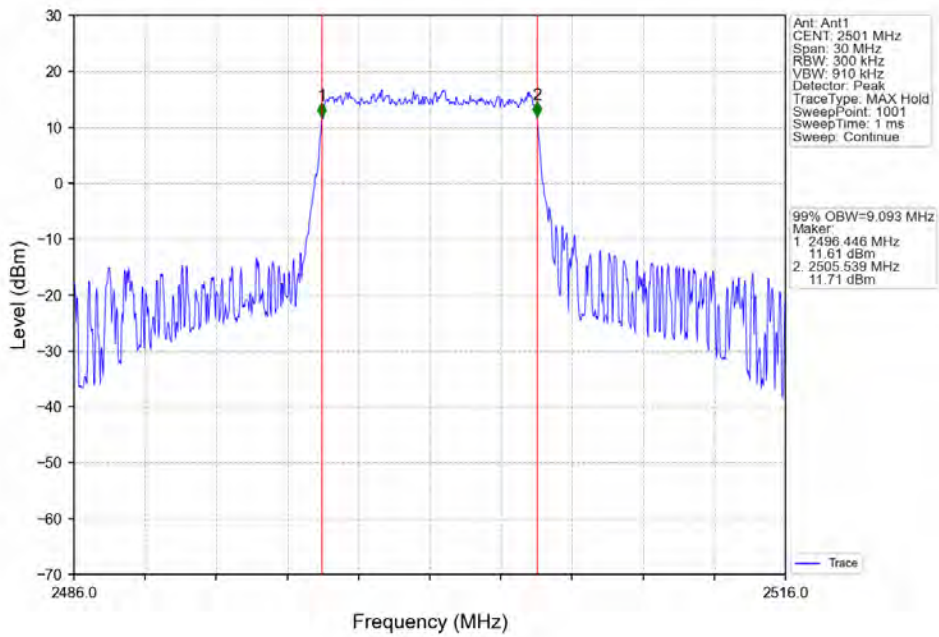
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



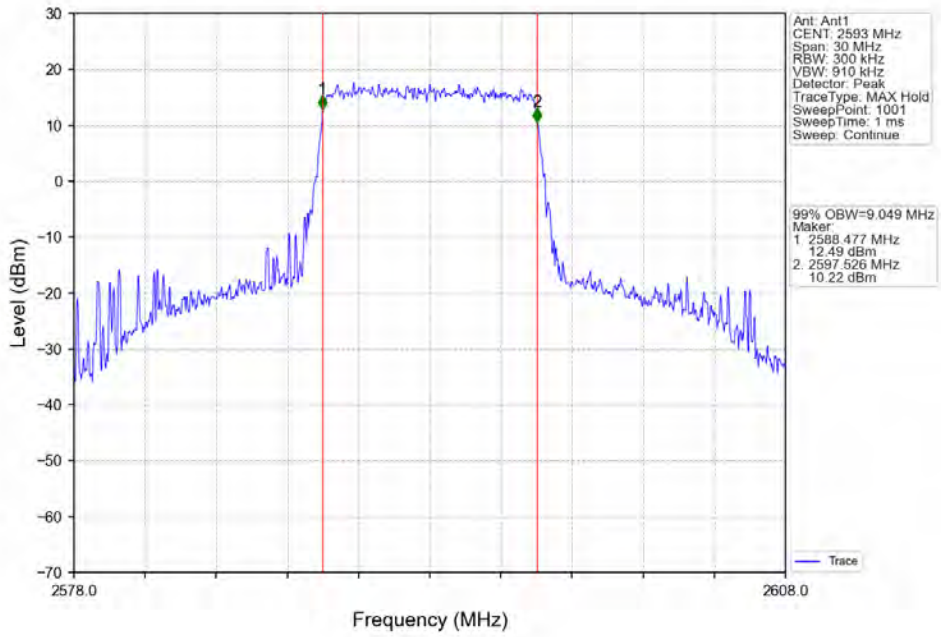
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



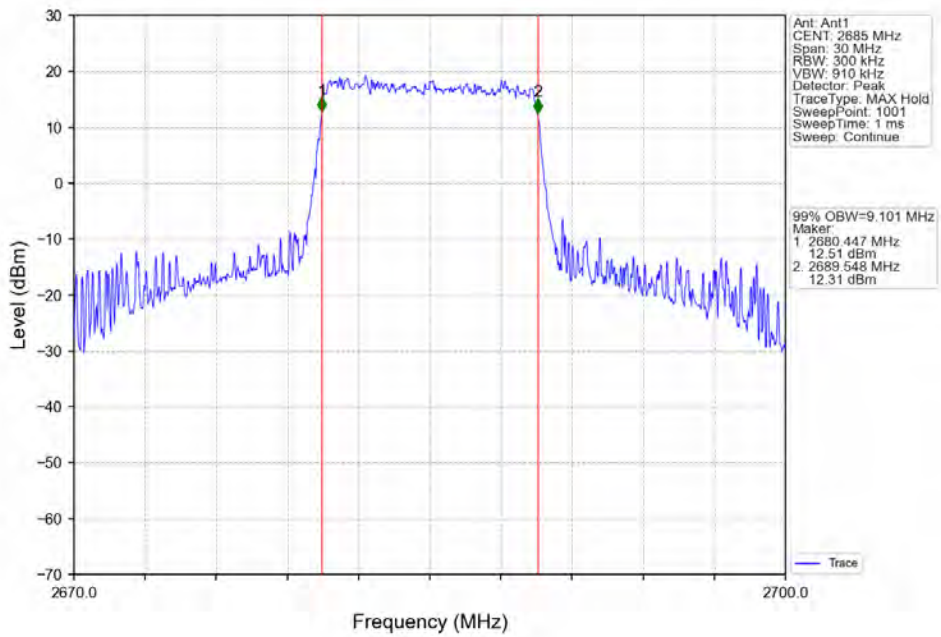
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



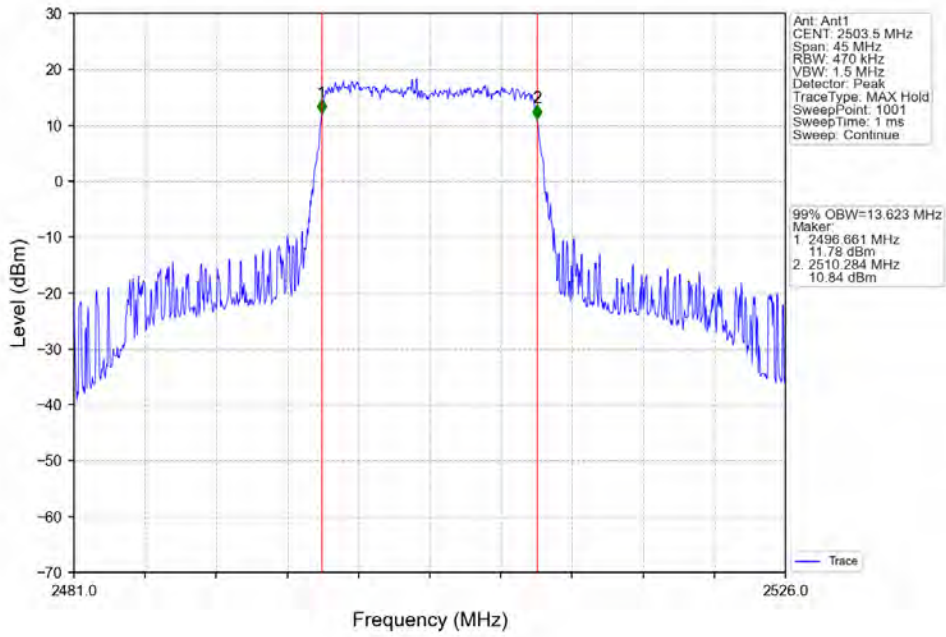
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



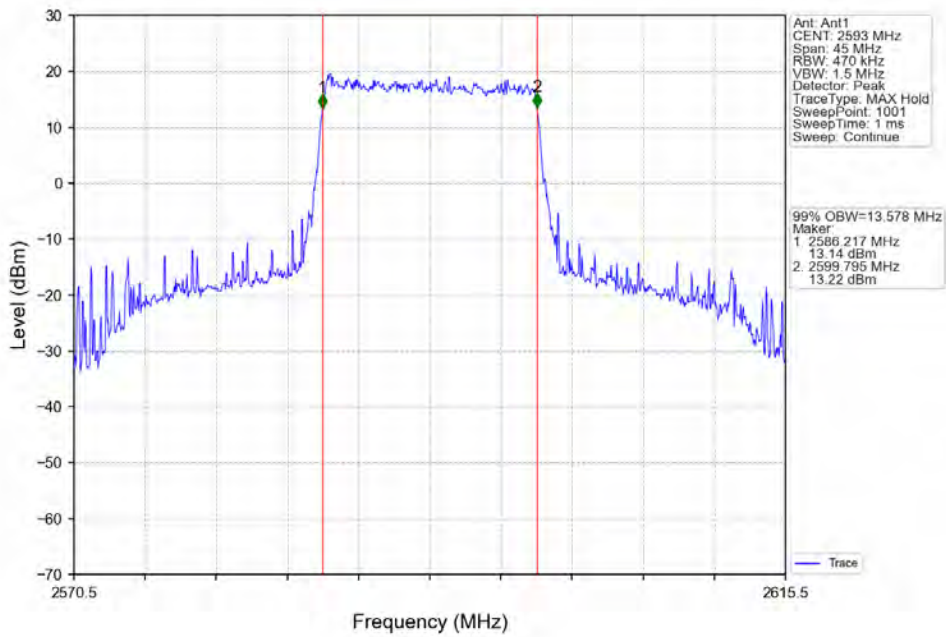
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



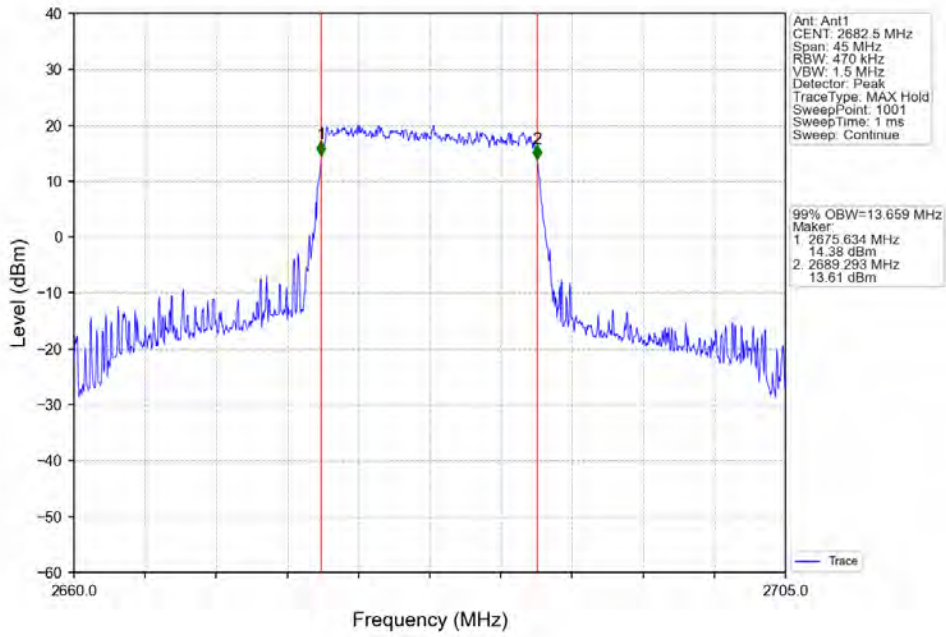
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



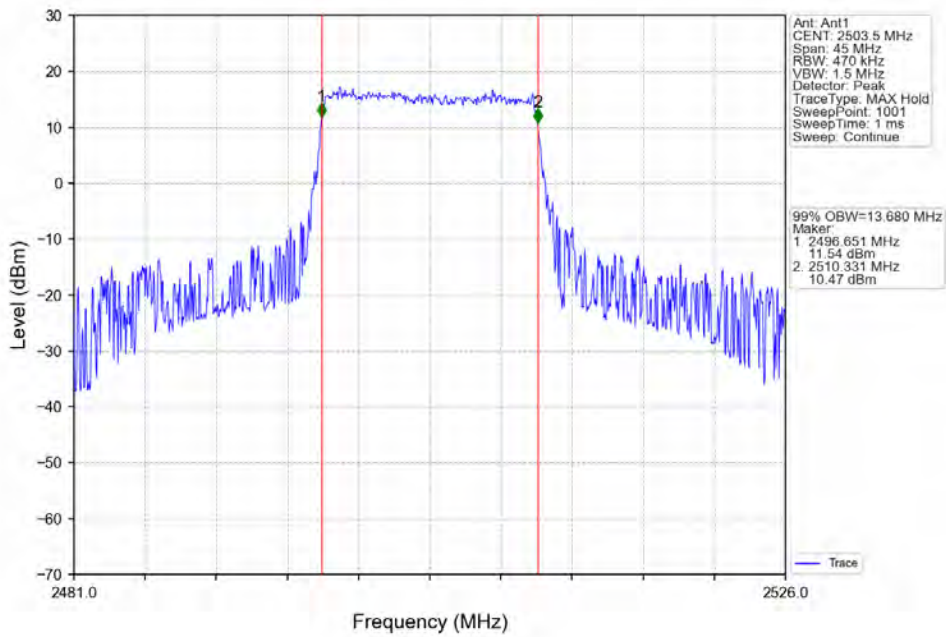
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



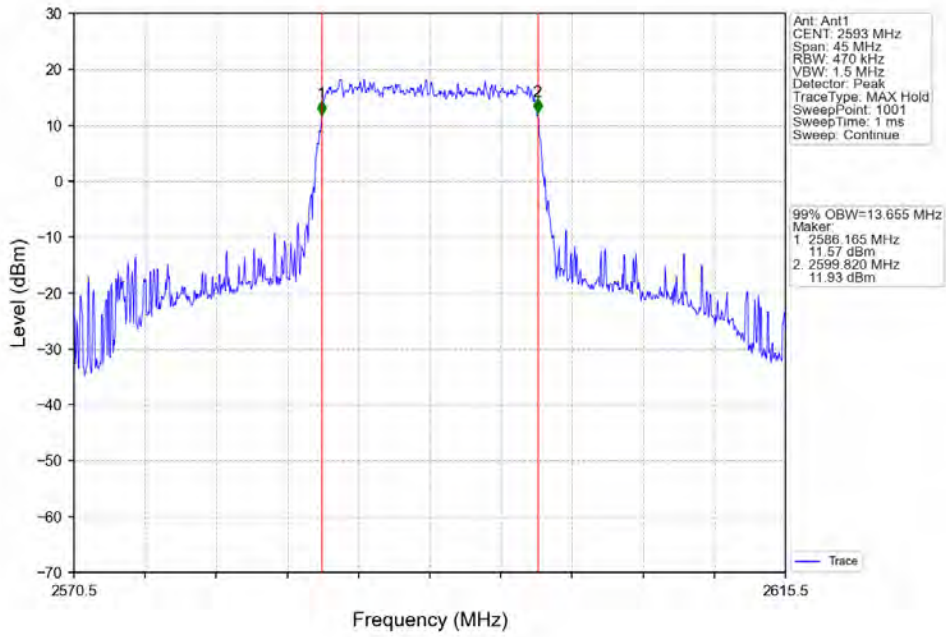
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



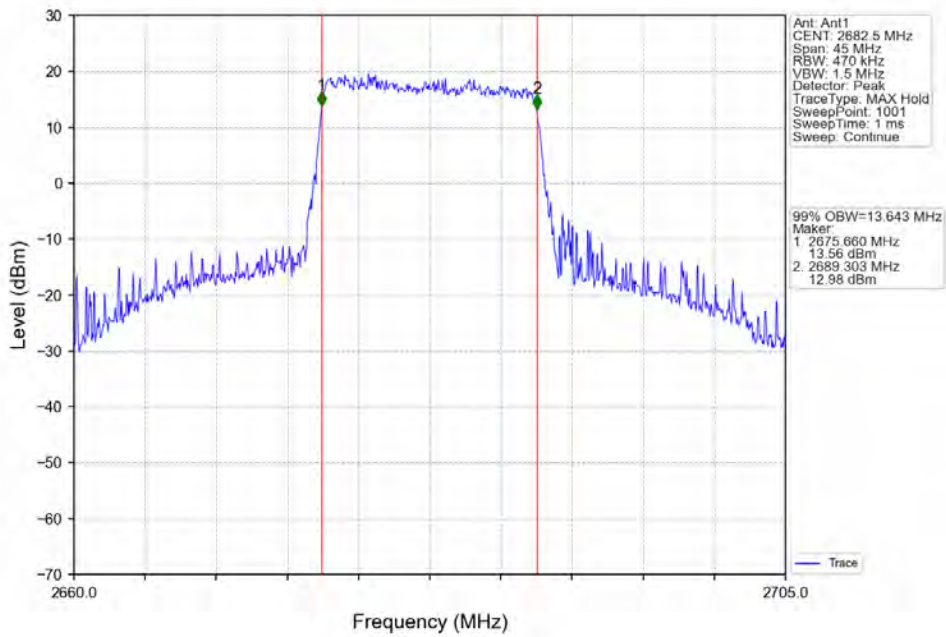
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



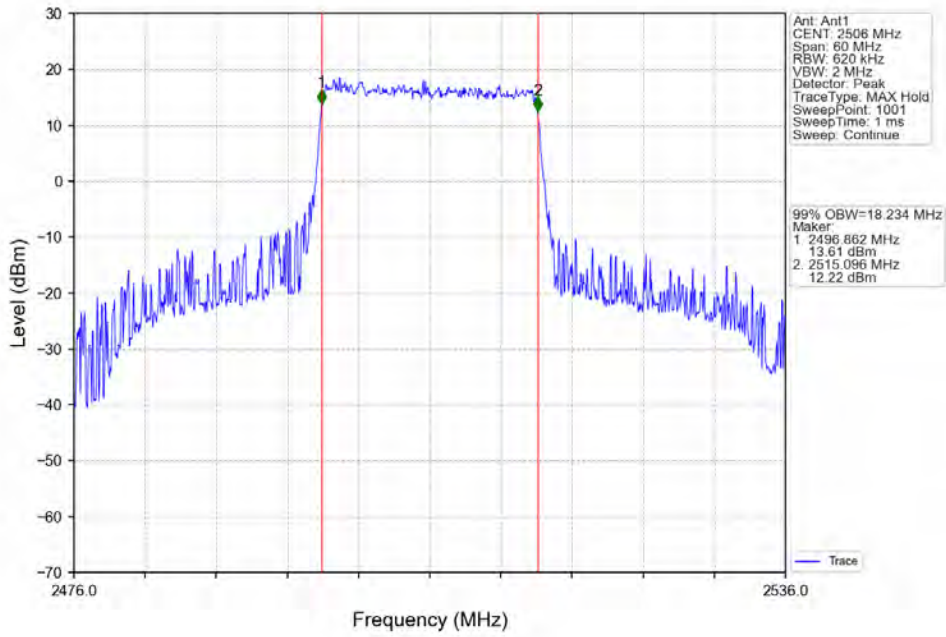
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



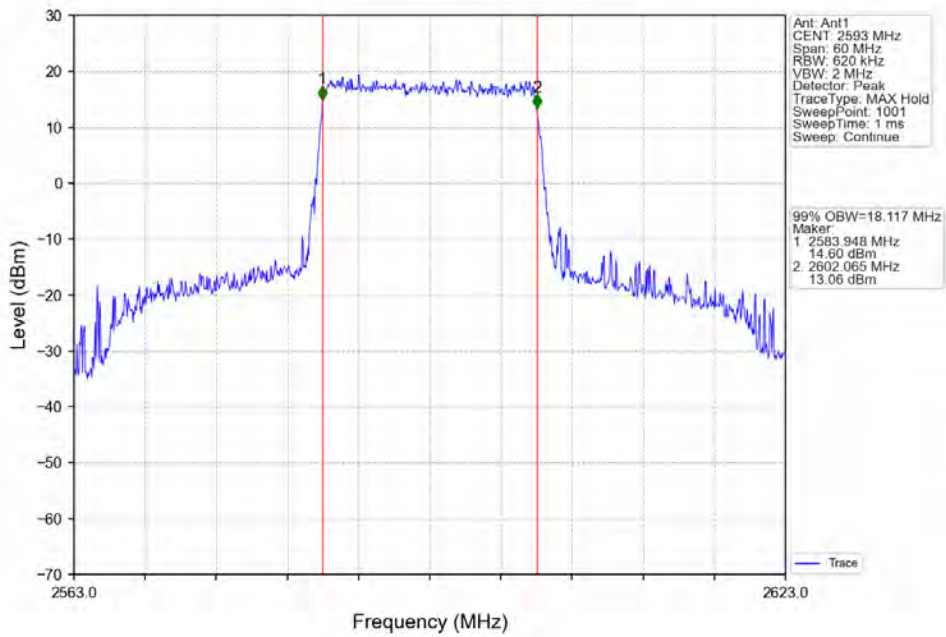
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



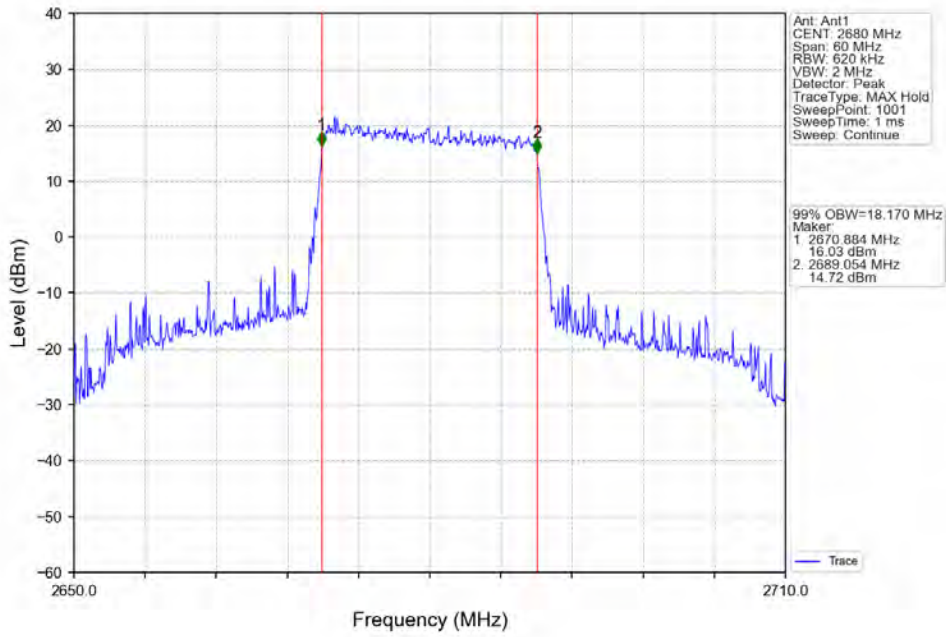
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



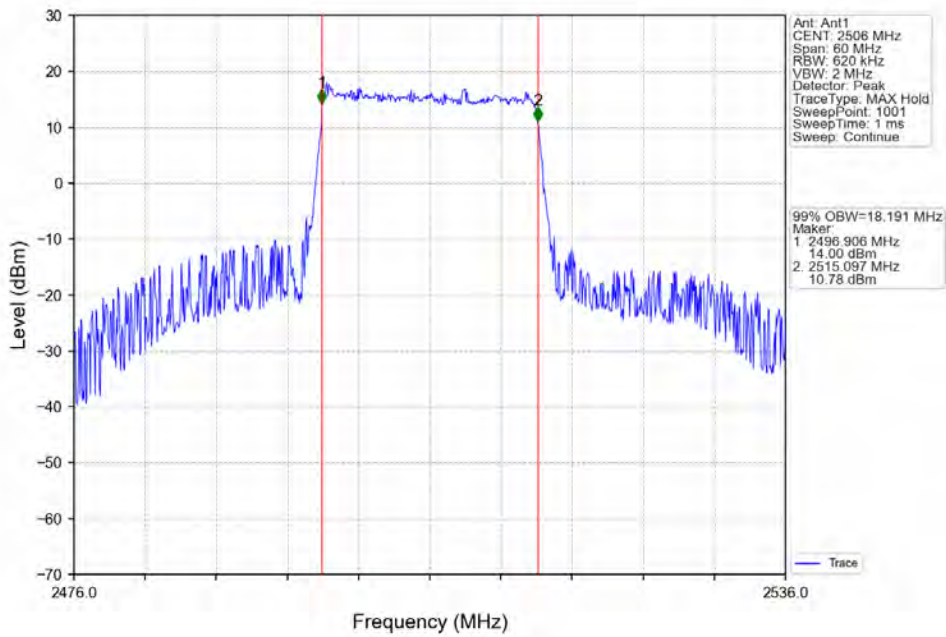
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



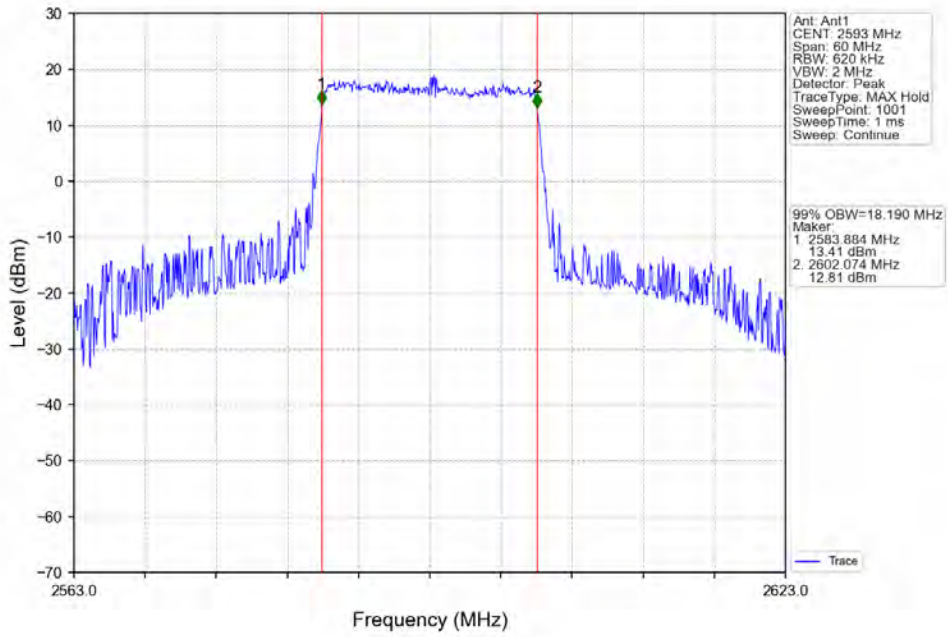
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



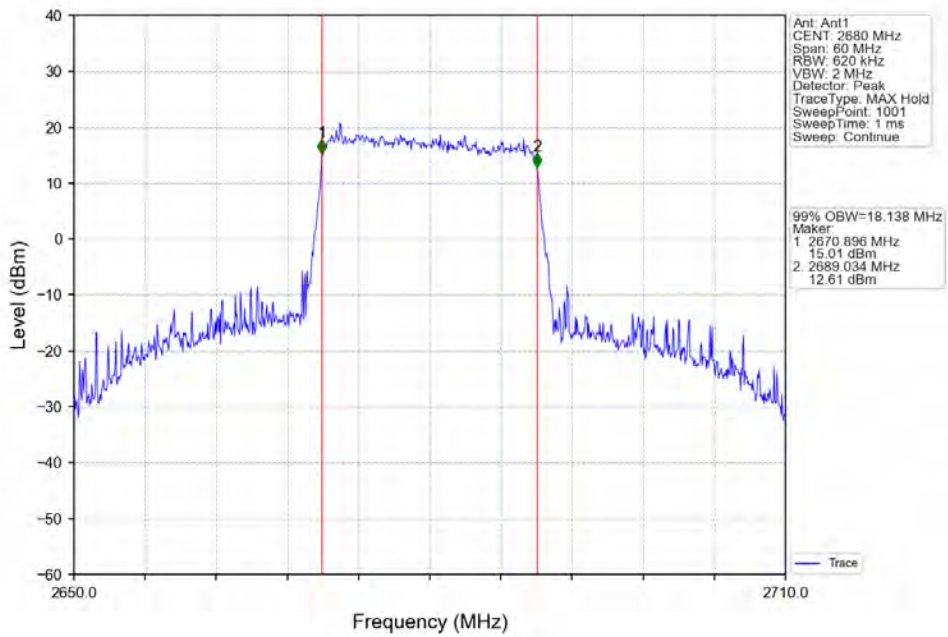
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV

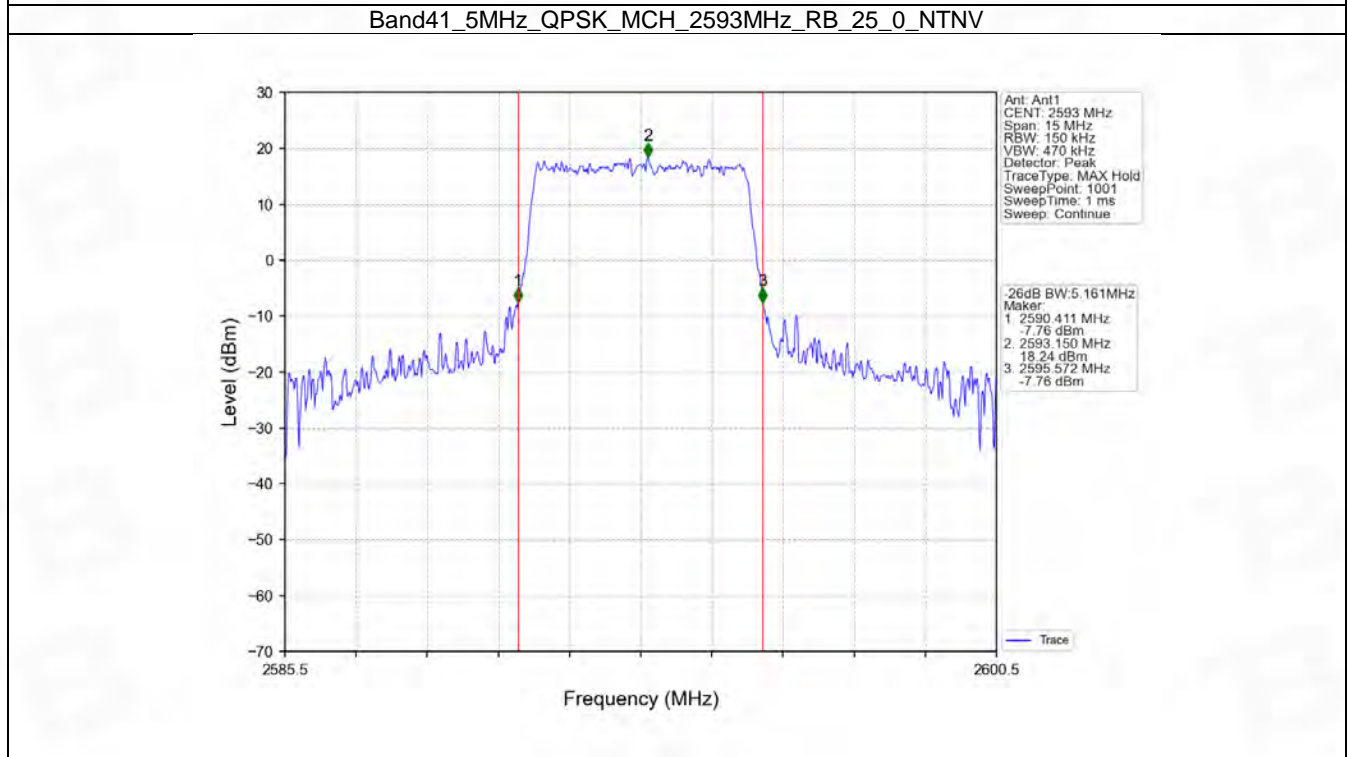
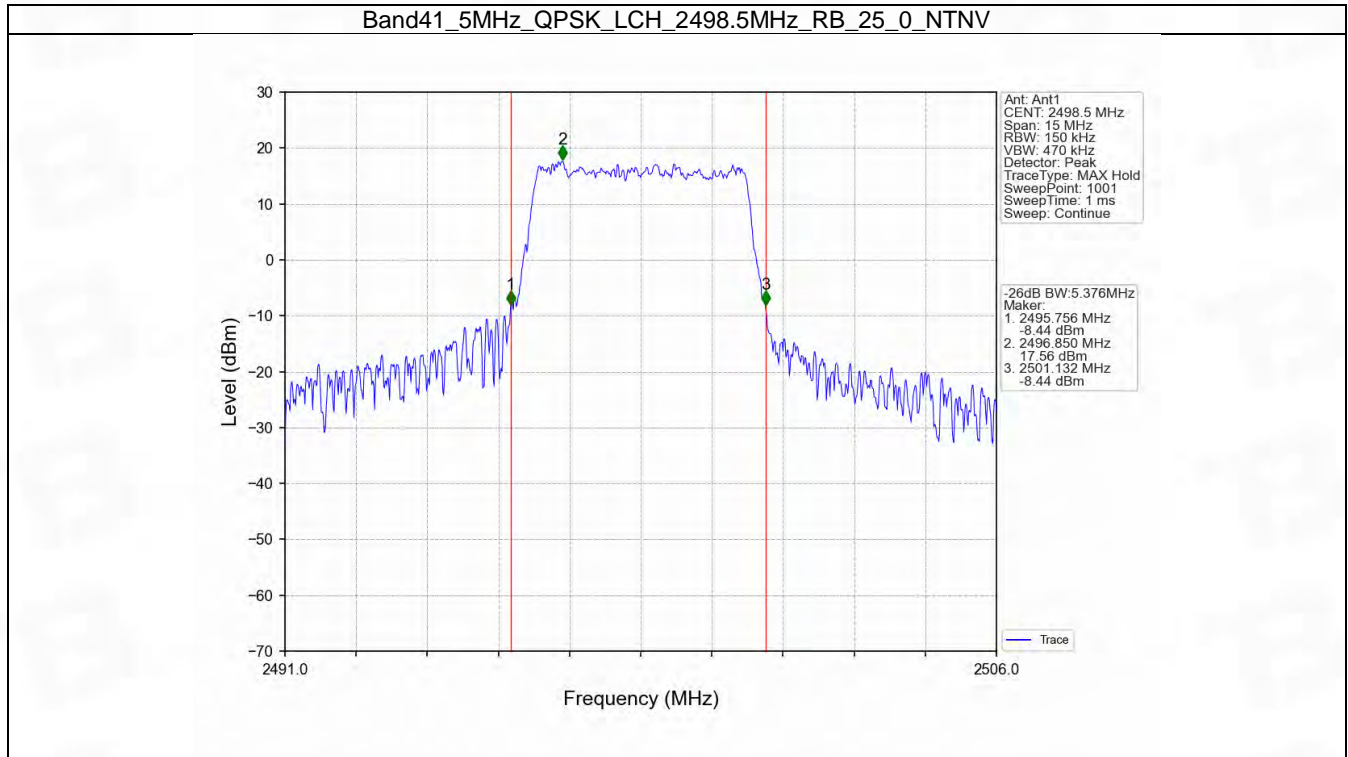


4.2 Band41_XDB

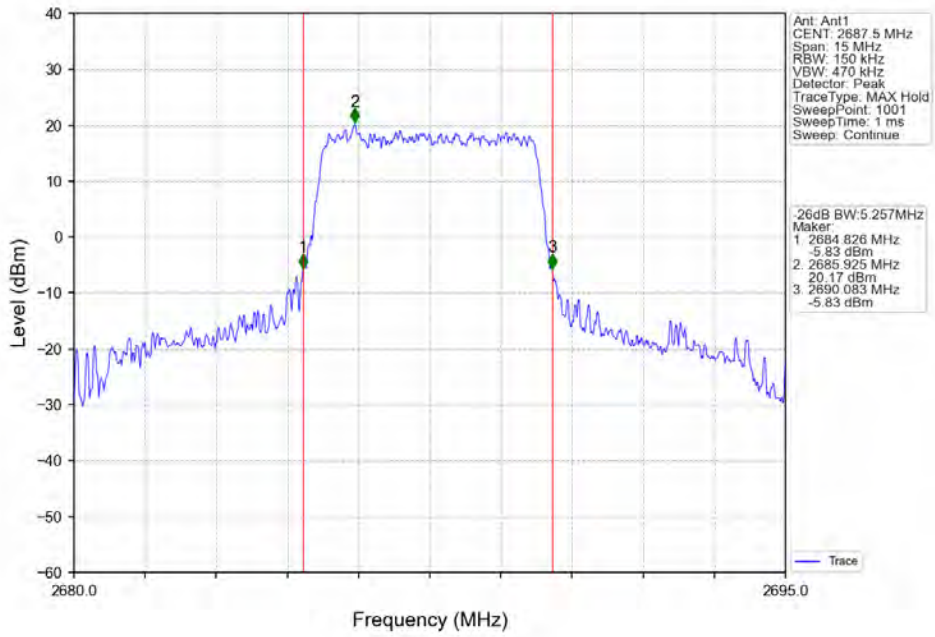
4.2.1 Test Result

Band: 41 / NTNV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2498.5	25	0	5.376	Pass
		2593	25	0	5.161	Pass
		2687.5	25	0	5.257	Pass
	16QAM	2498.5	25	0	5.258	Pass
		2593	25	0	5.515	Pass
		2687.5	25	0	5.269	Pass
10	QPSK	2501	50	0	10.335	Pass
		2593	50	0	10.507	Pass
		2685	50	0	10.176	Pass
	16QAM	2501	50	0	11.284	Pass
		2593	50	0	10.415	Pass
		2685	50	0	10.765	Pass
15	QPSK	2503.5	75	0	15.421	Pass
		2593	75	0	15.836	Pass
		2682.5	75	0	16.290	Pass
	16QAM	2503.5	75	0	17.885	Pass
		2593	75	0	15.984	Pass
		2682.5	75	0	16.130	Pass
20	QPSK	2506	100	0	21.361	Pass
		2593	100	0	20.074	Pass
		2680	100	0	20.092	Pass
	16QAM	2506	100	0	20.551	Pass
		2593	100	0	21.762	Pass
		2680	100	0	20.037	Pass

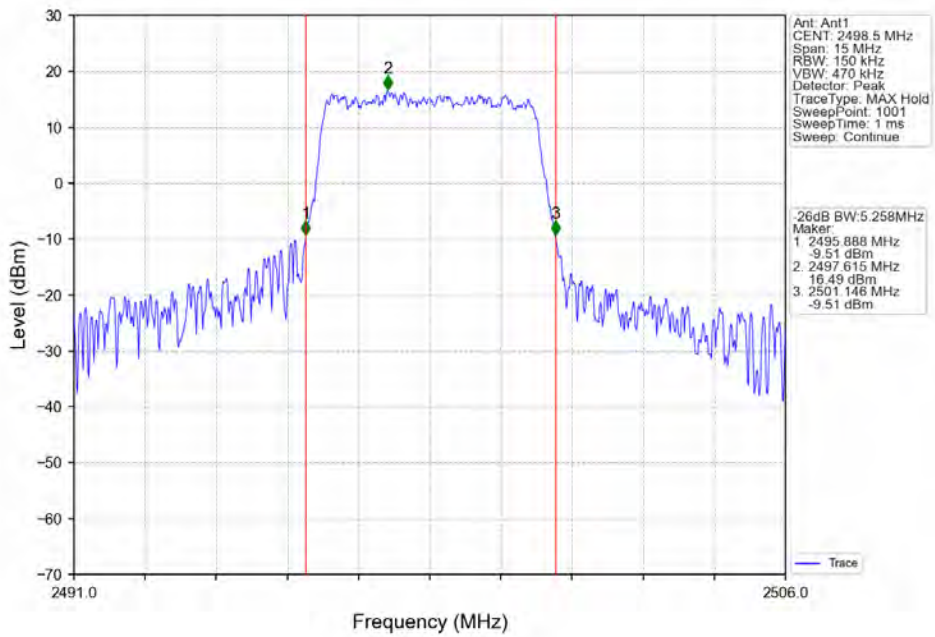
4.2.2 Test Graph



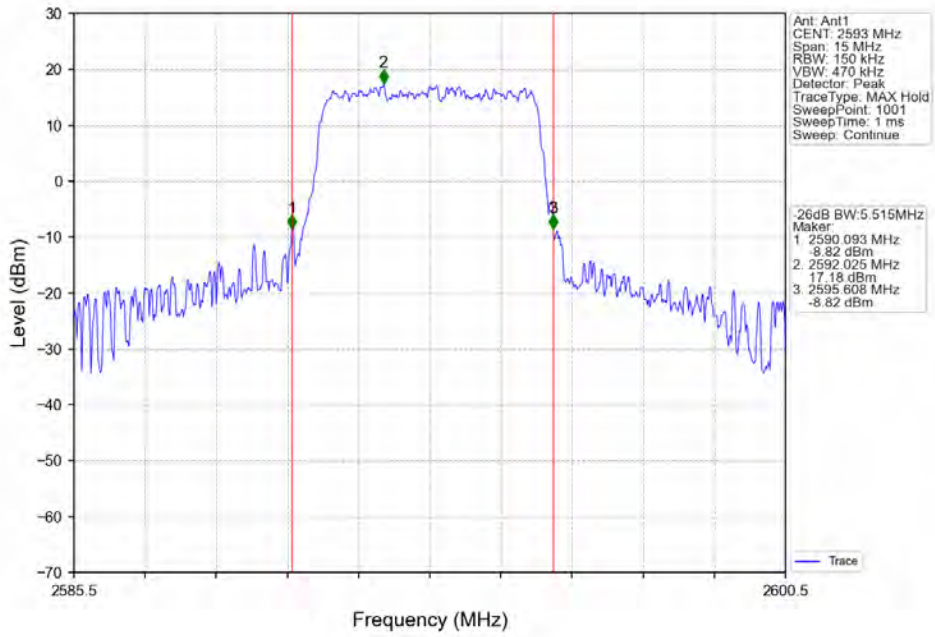
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



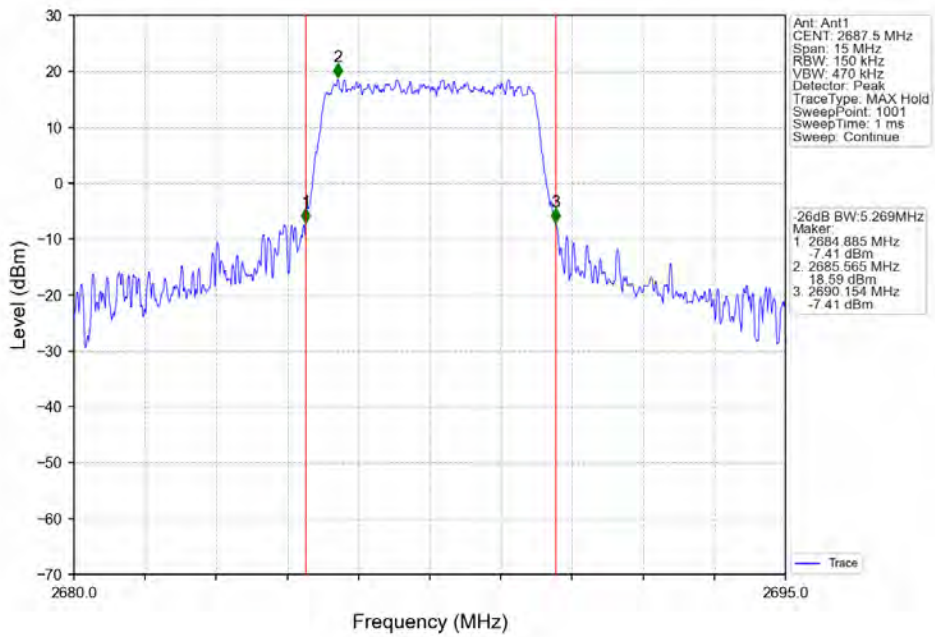
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



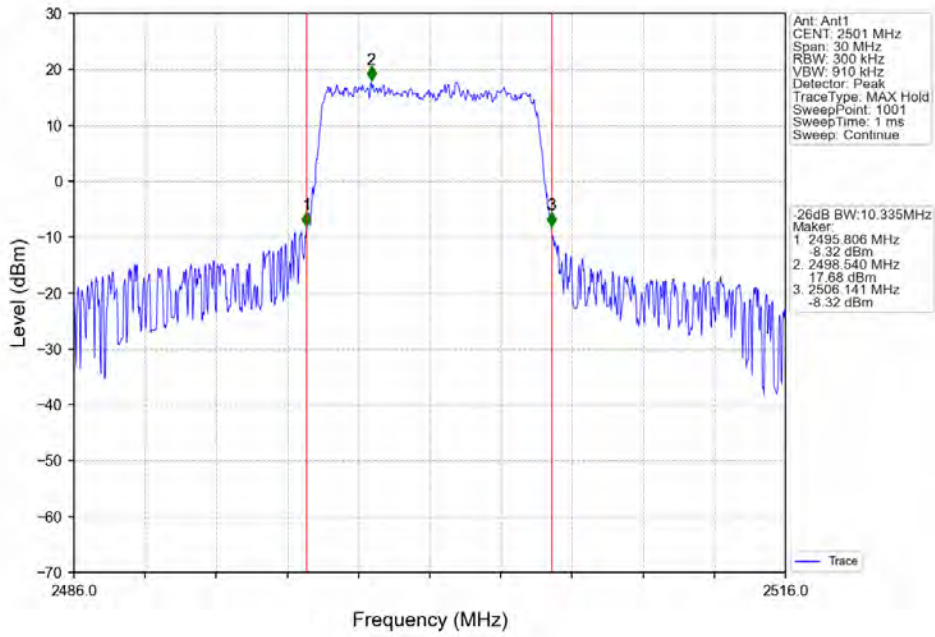
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



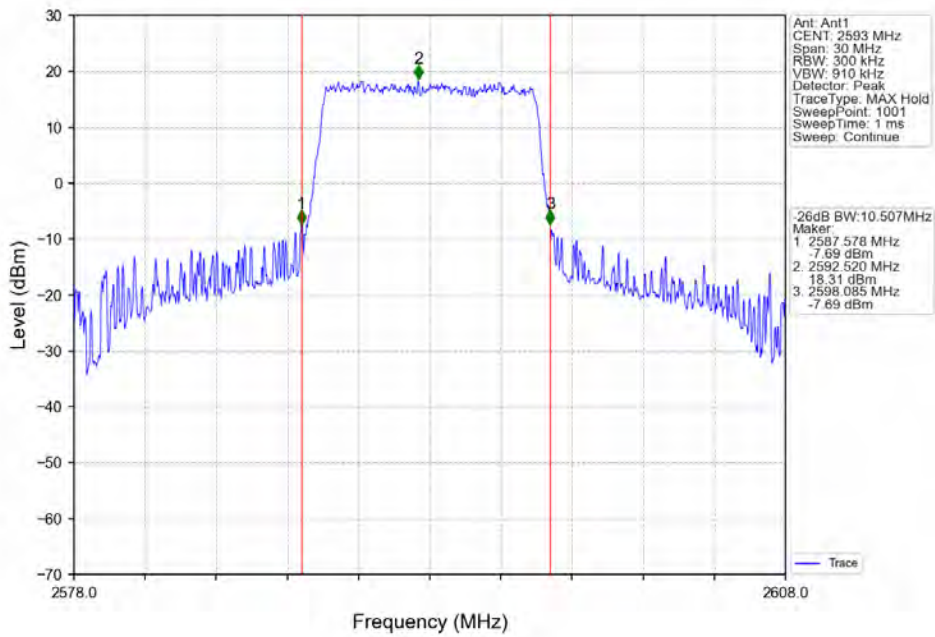
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



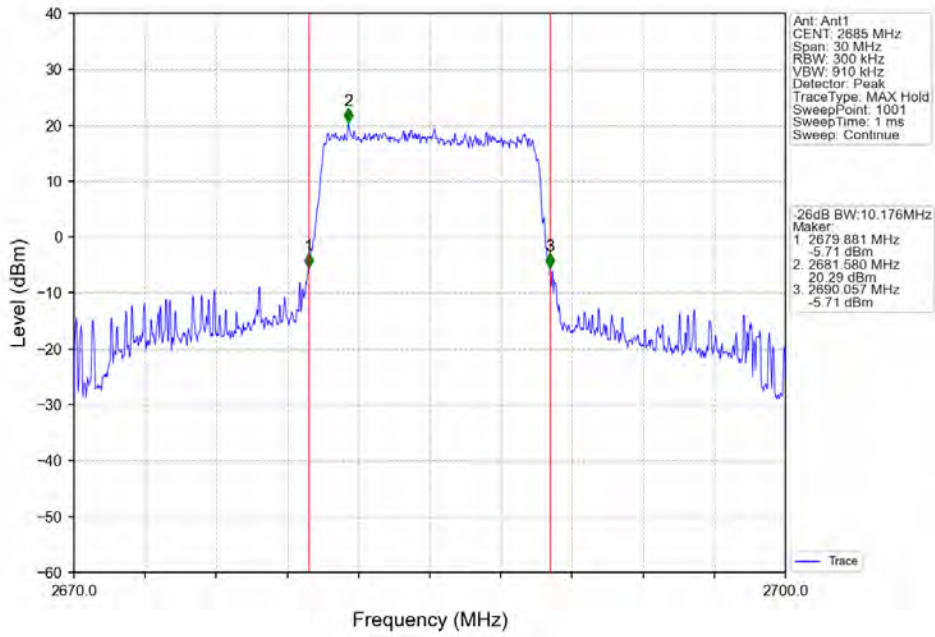
Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV



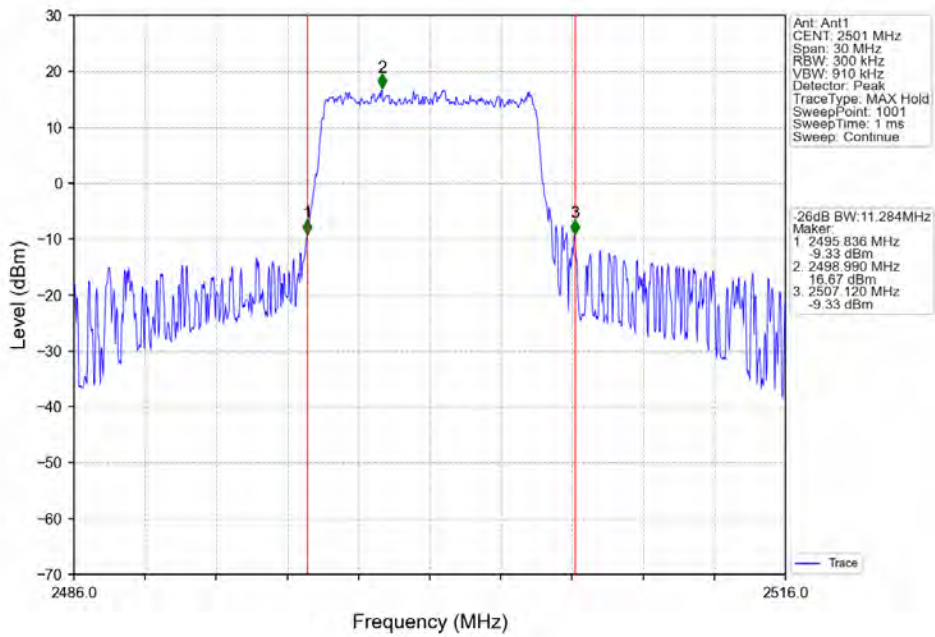
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



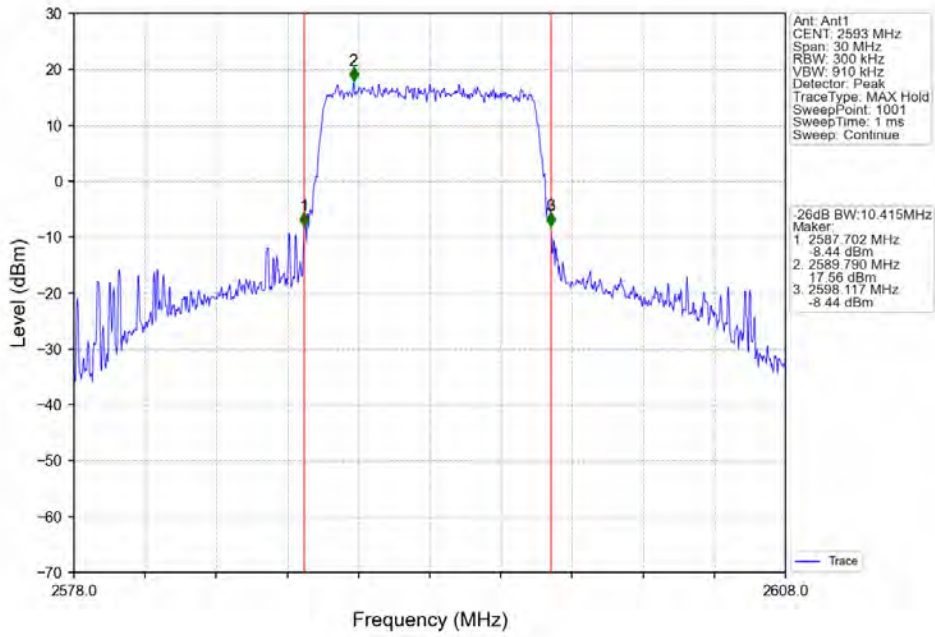
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



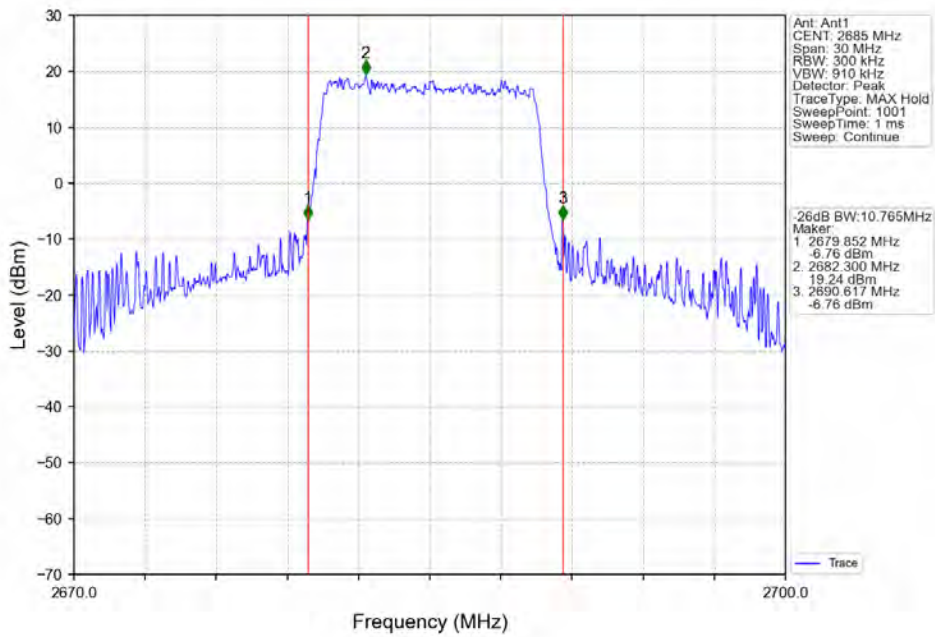
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



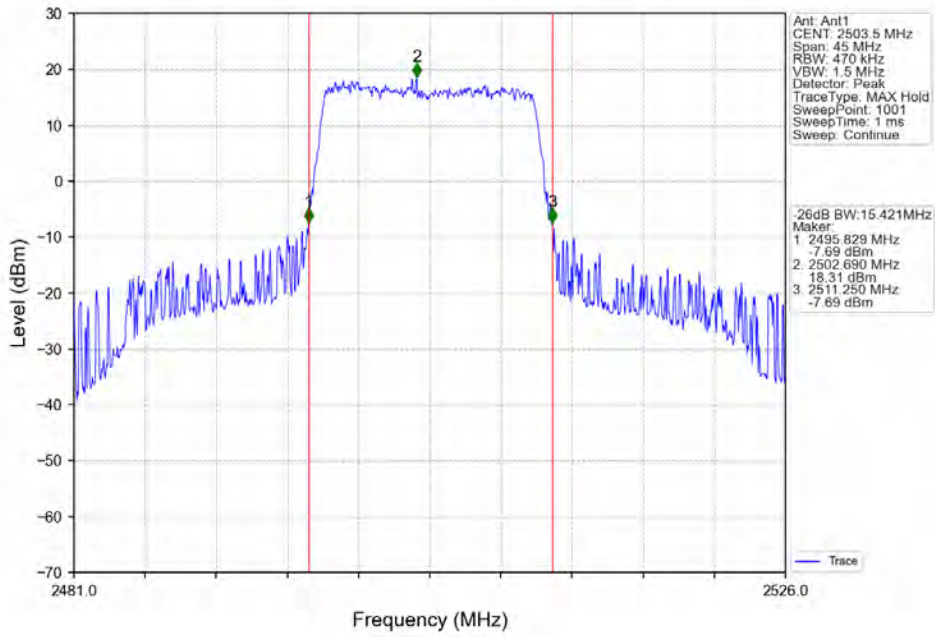
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



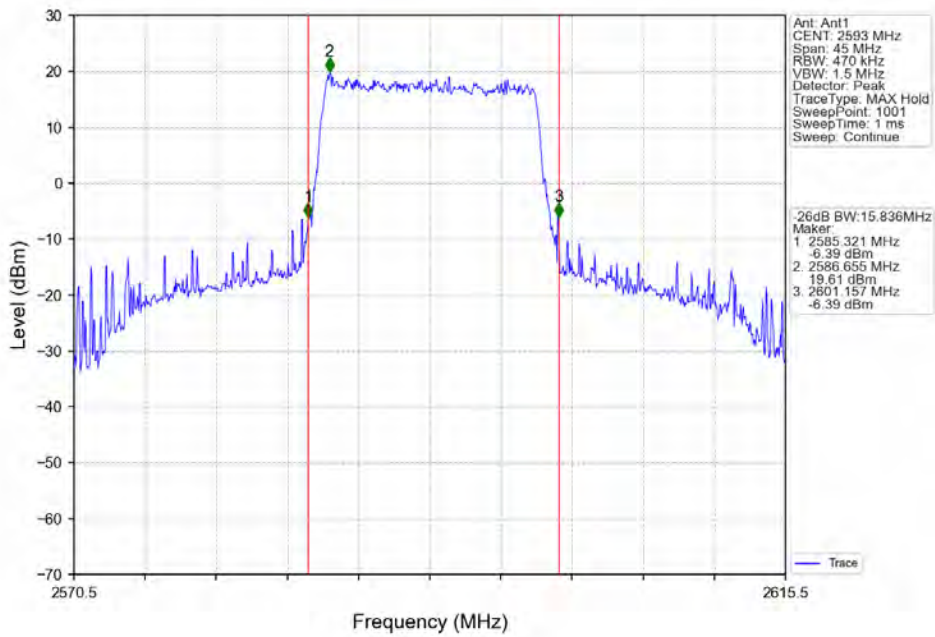
Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



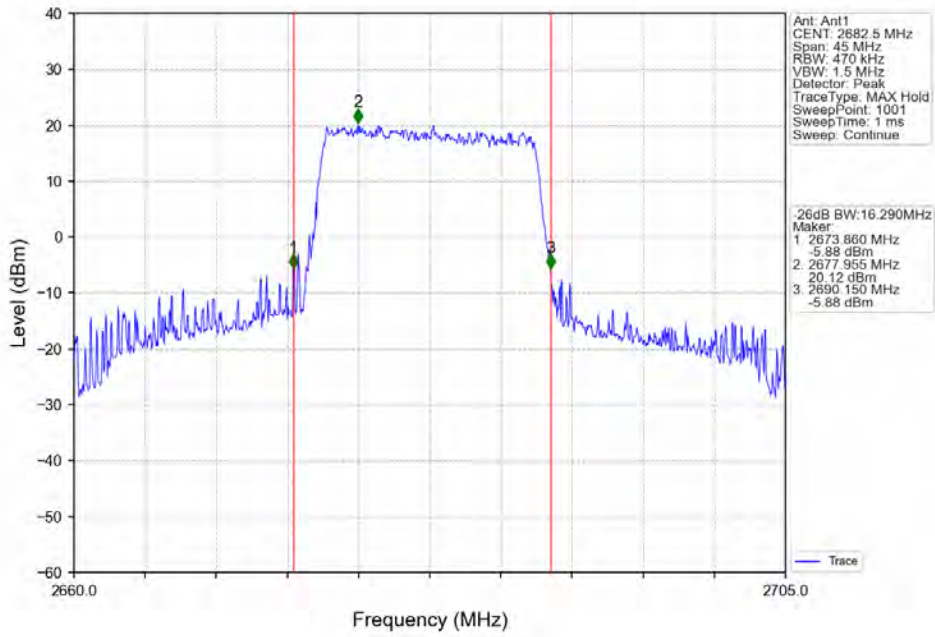
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



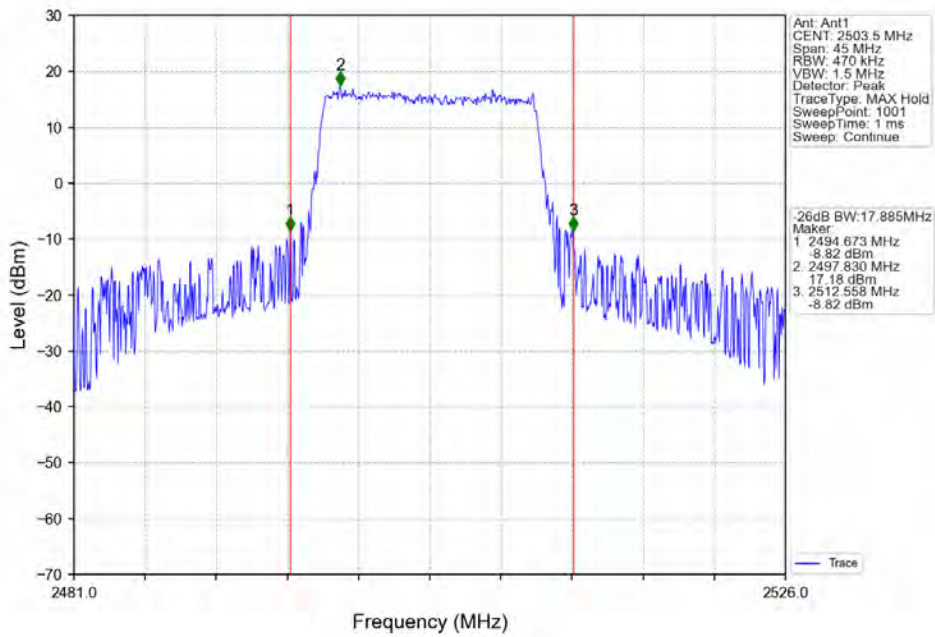
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



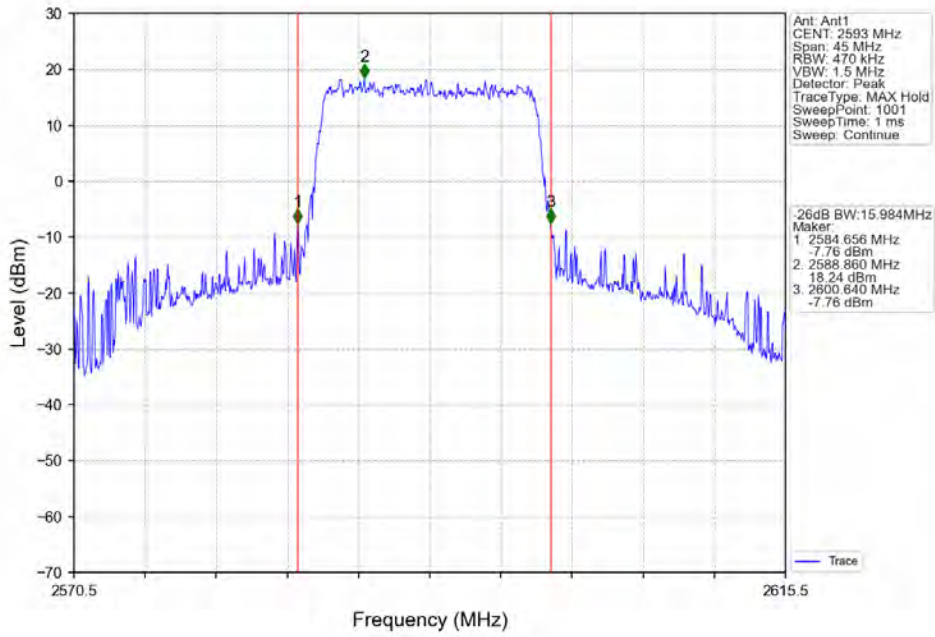
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



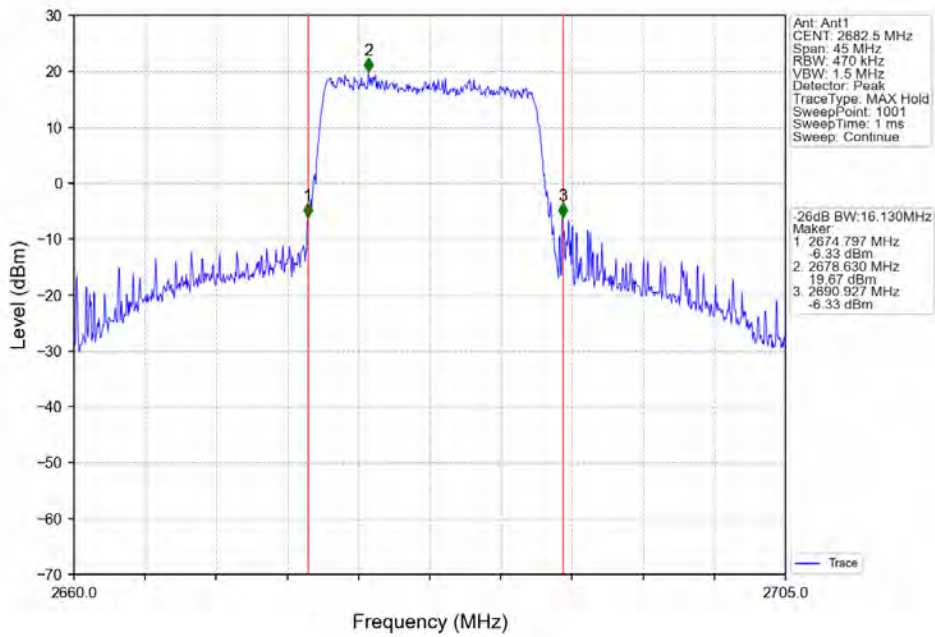
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



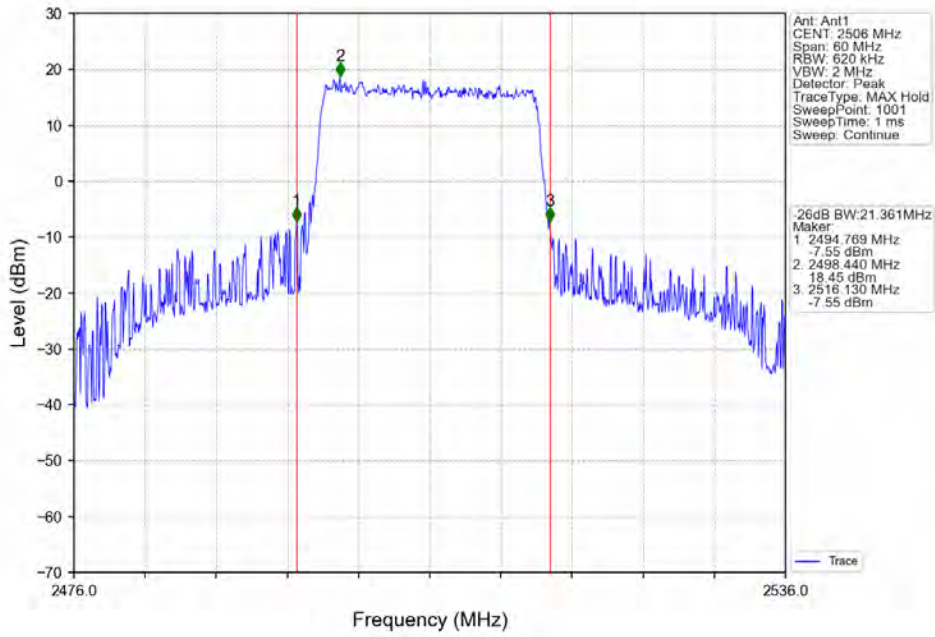
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



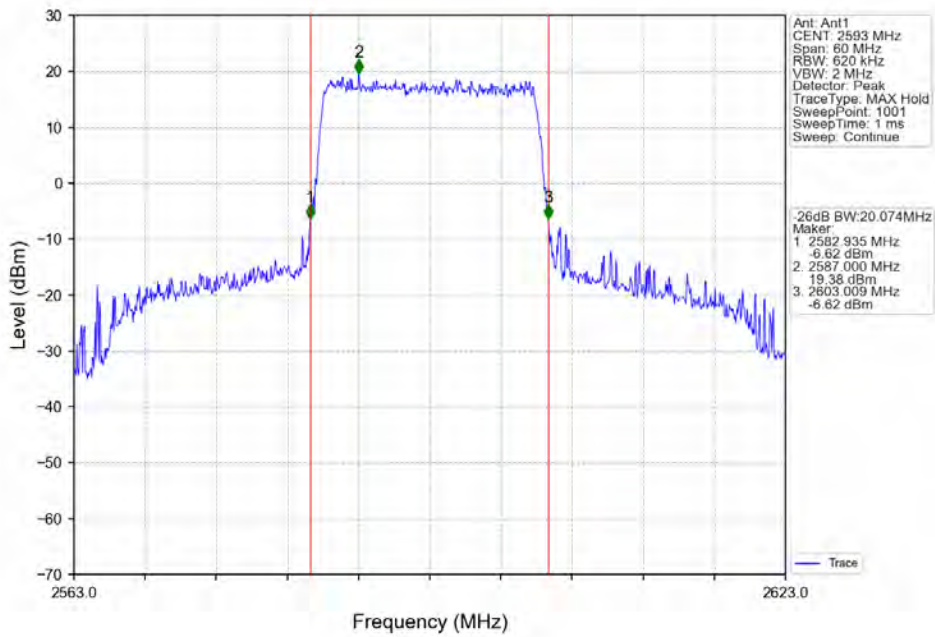
Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



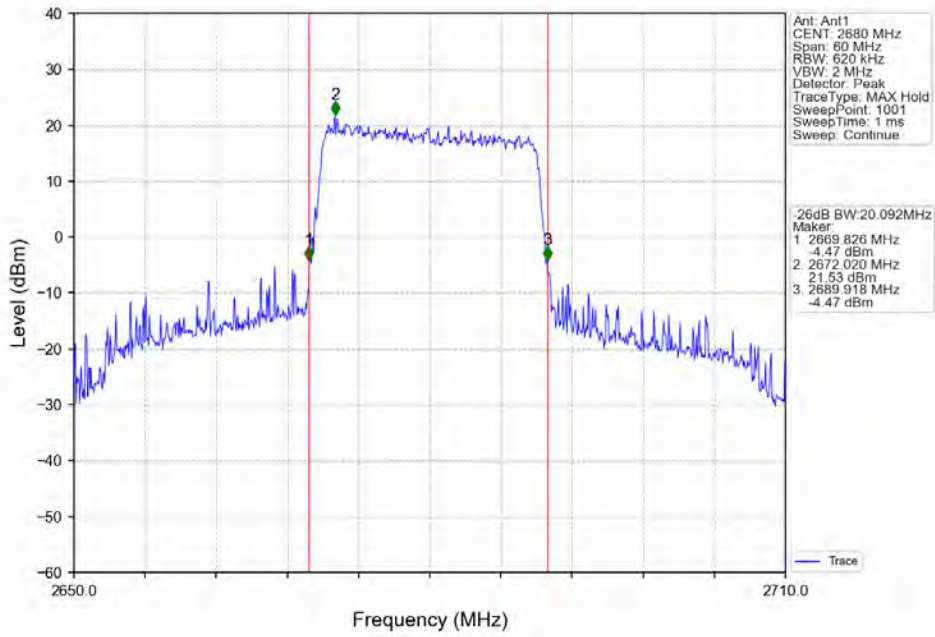
Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV



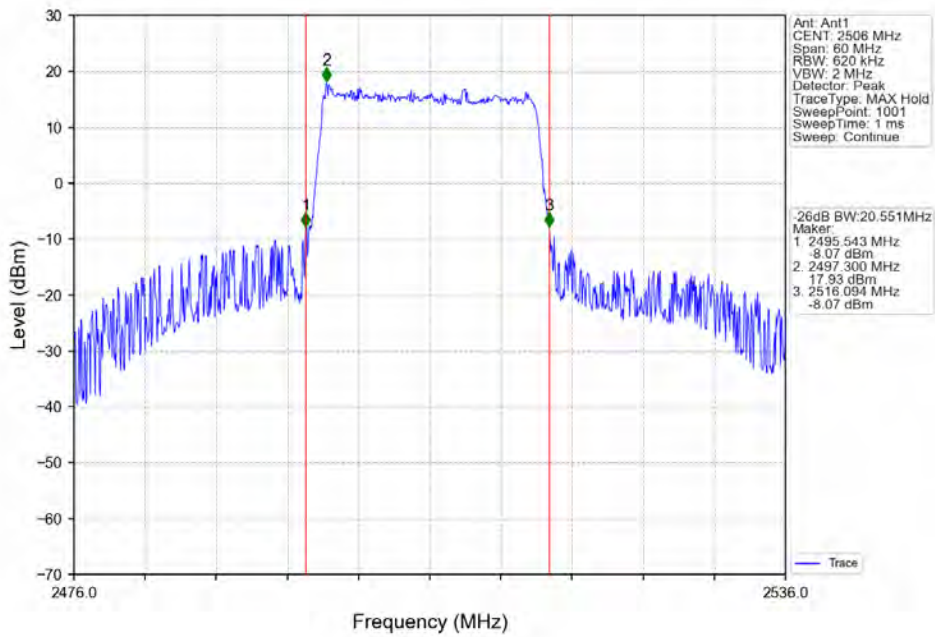
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



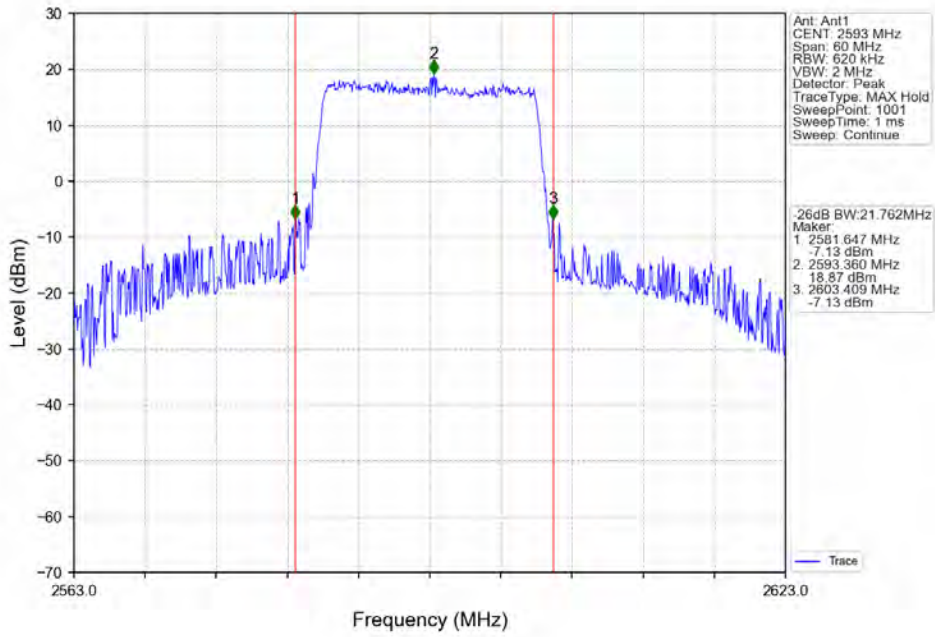
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



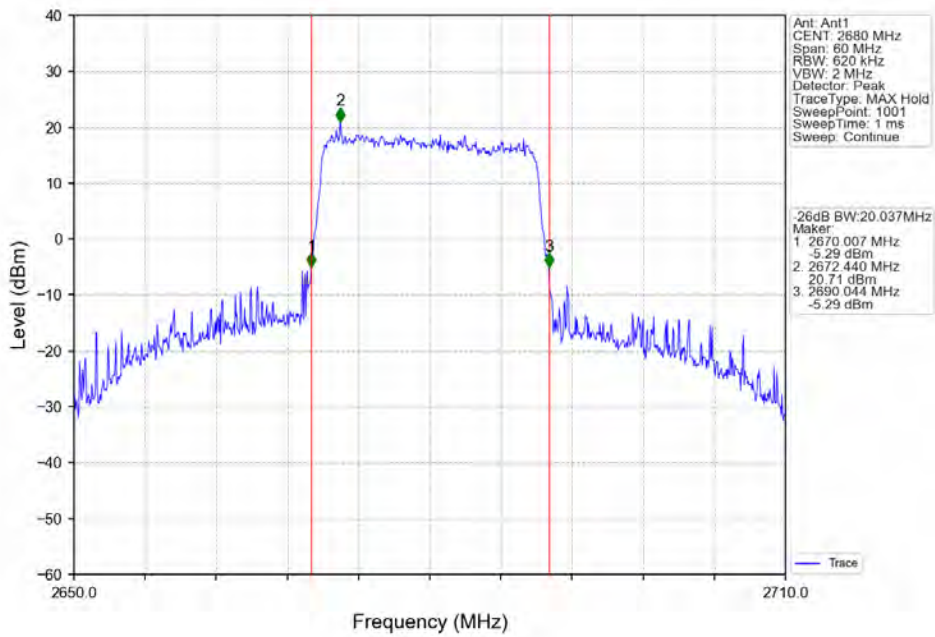
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



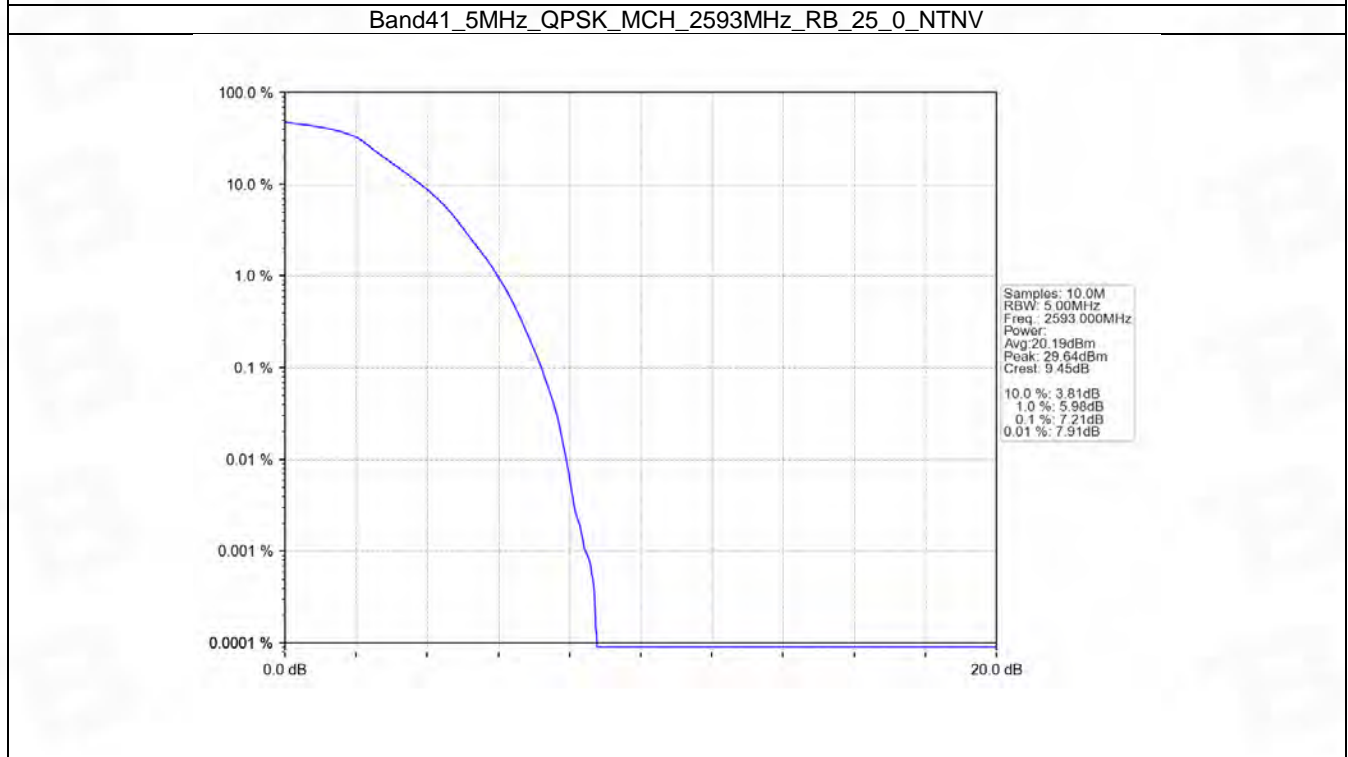
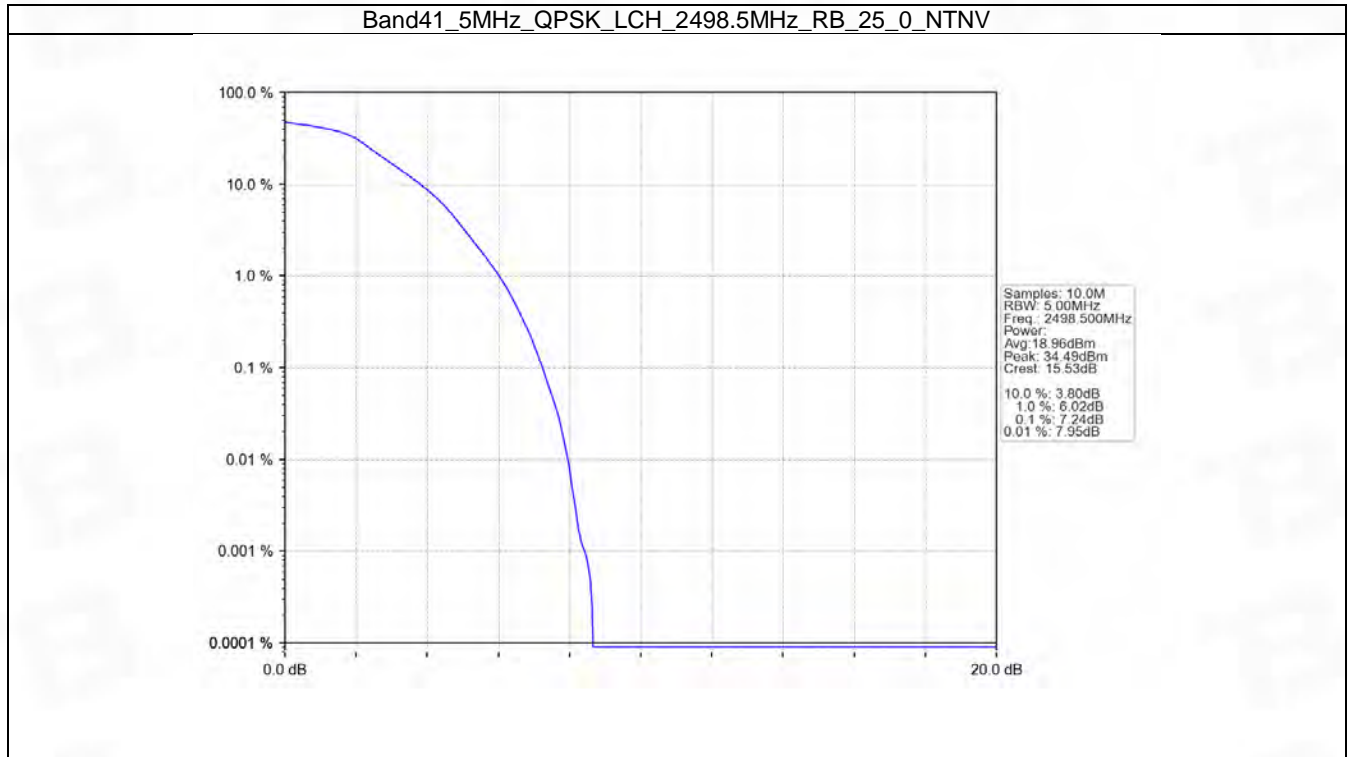
5. Peak-Average Ratio

5.1 B41_5MHz

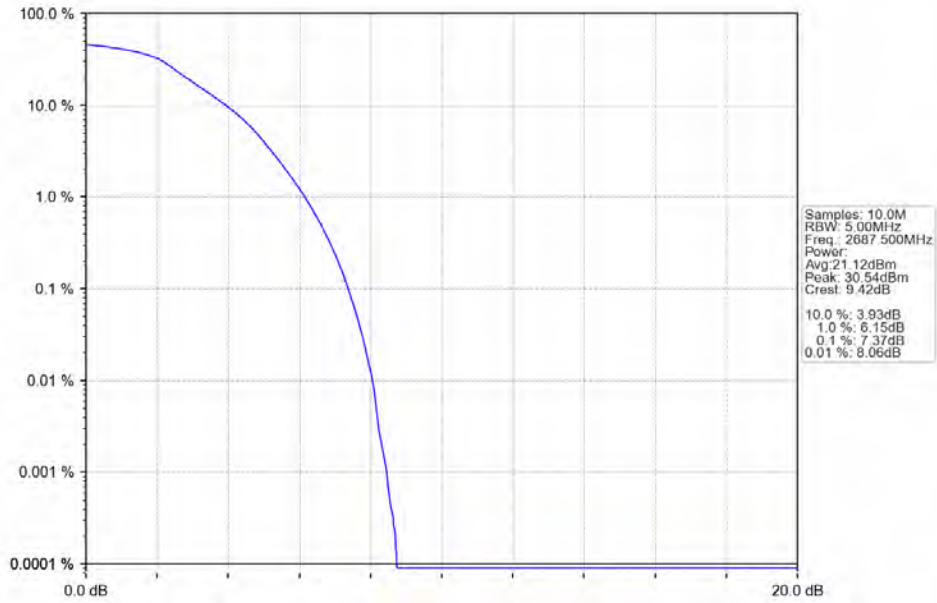
5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.24	<=13	Pass
	2593	25	0	7.21	<=13	Pass
	2687.5	25	0	7.37	<=13	Pass
16QAM	2498.5	25	0	8.05	<=13	Pass
	2593	25	0	7.99	<=13	Pass
	2687.5	25	0	7.93	<=13	Pass

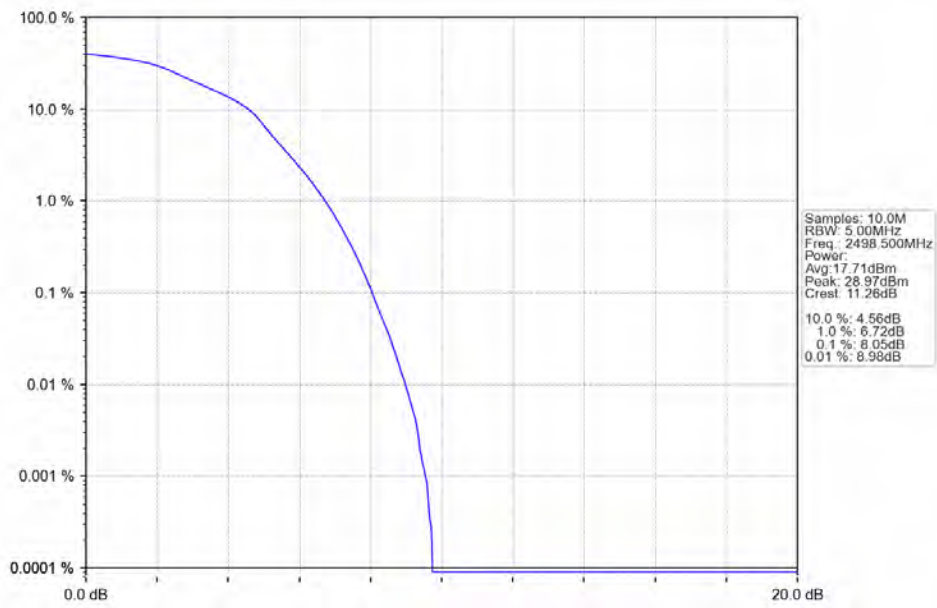
5.1.2 Test Graph



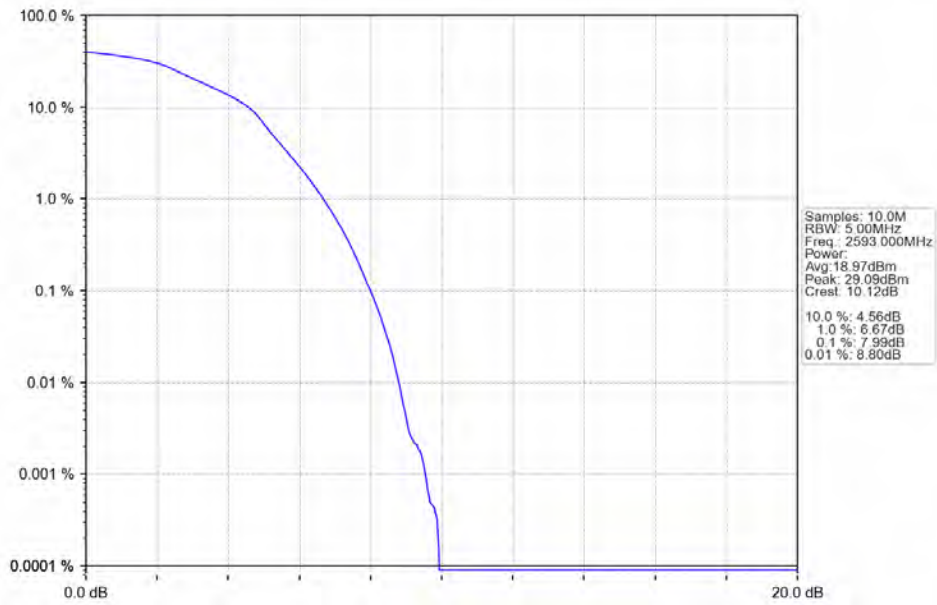
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



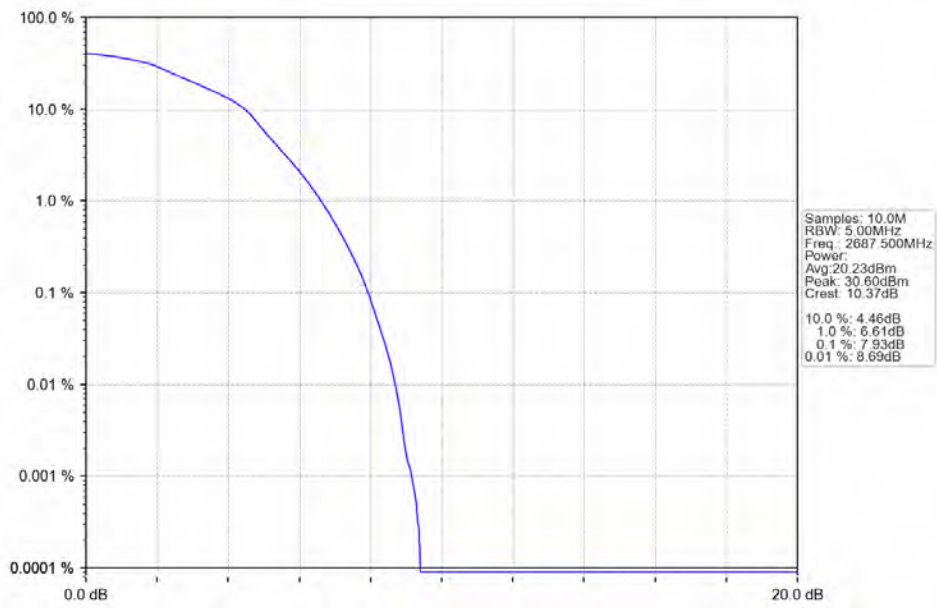
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

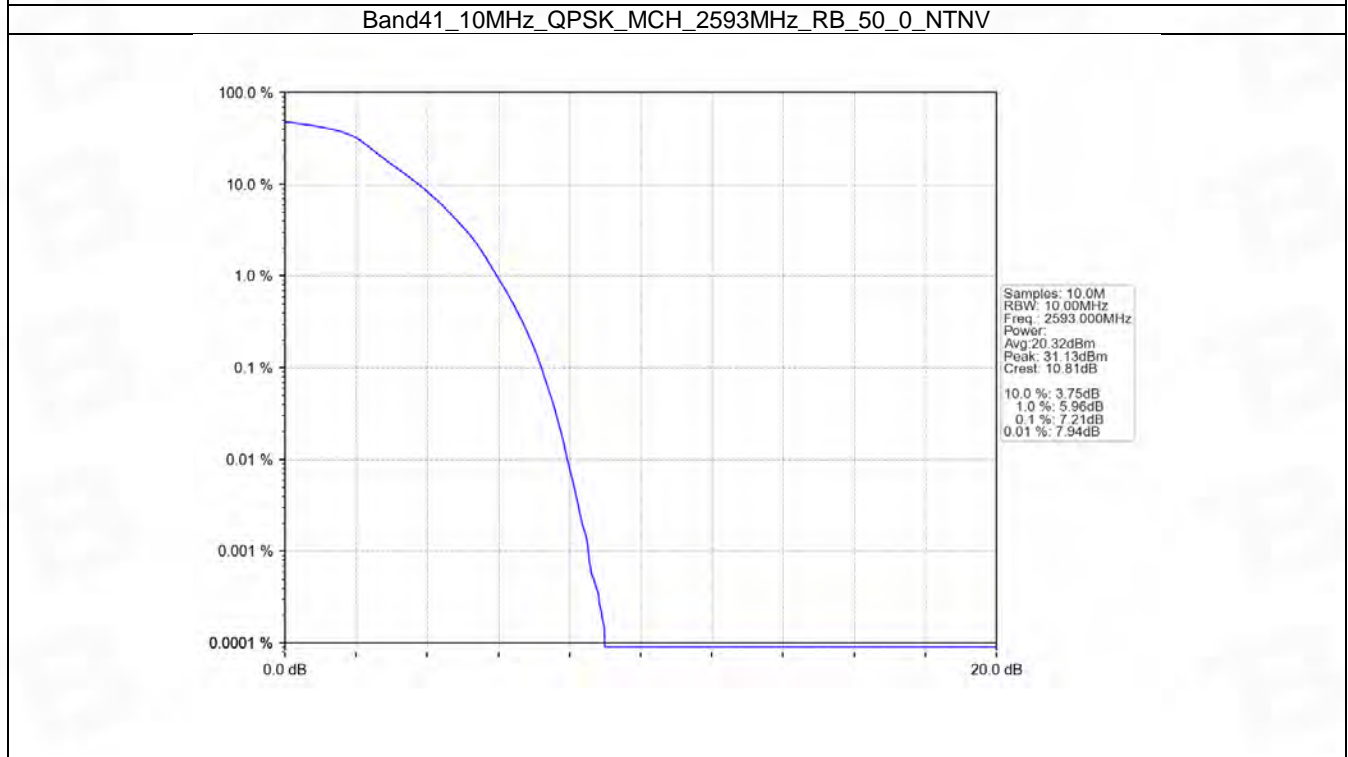
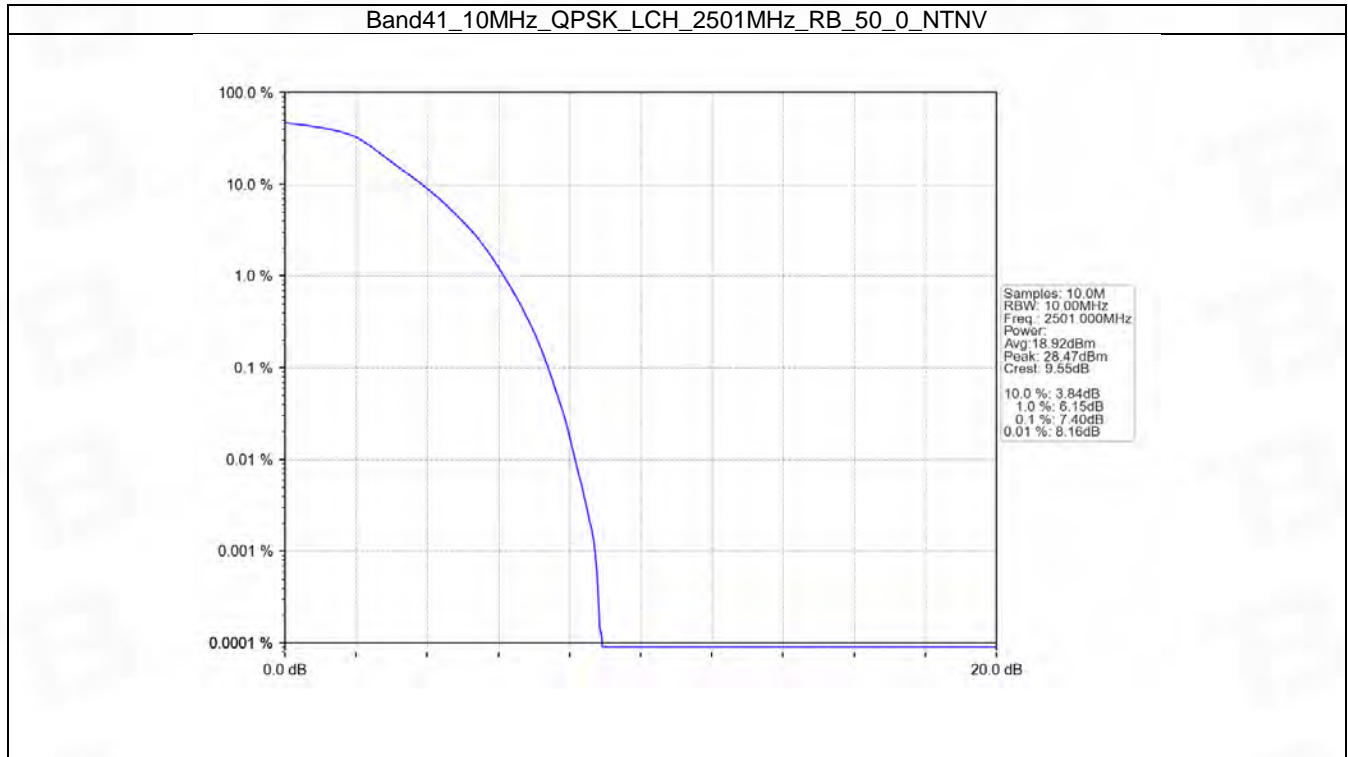


5.2 B41_10MHz

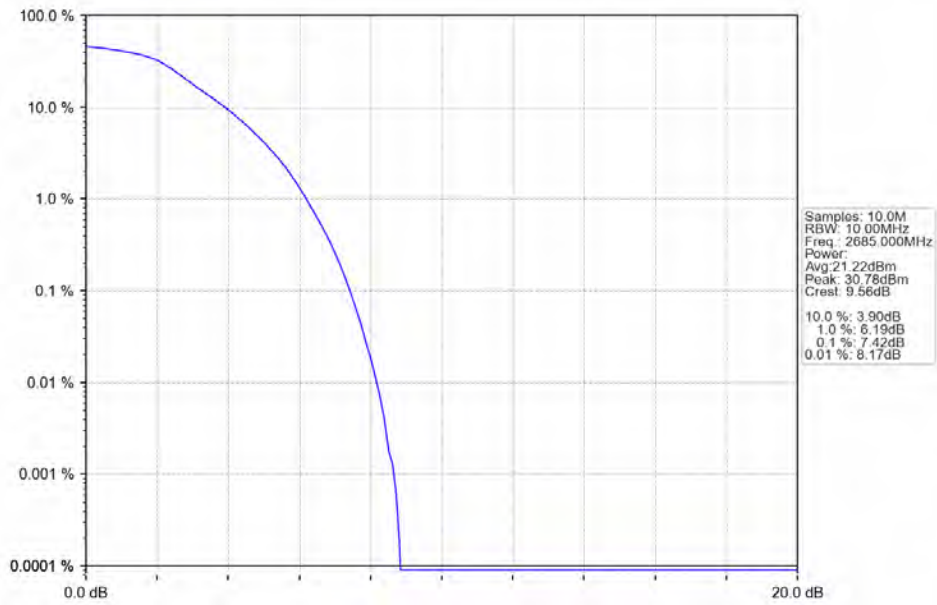
5.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	7.40	<=13	Pass
	2593	50	0	7.21	<=13	Pass
	2685	50	0	7.42	<=13	Pass
16QAM	2501	50	0	8.09	<=13	Pass
	2593	50	0	7.95	<=13	Pass
	2685	50	0	7.98	<=13	Pass

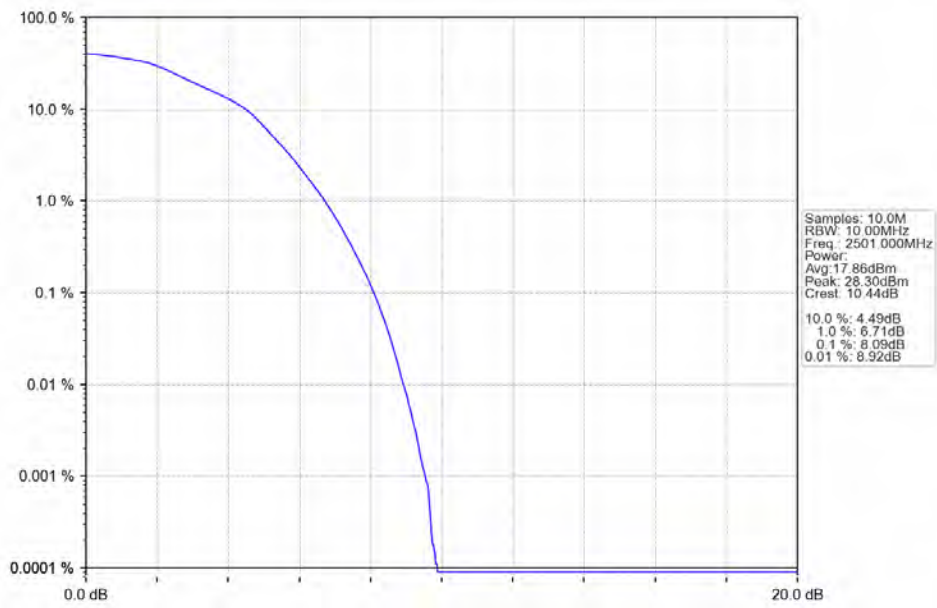
5.2.2 Test Graph



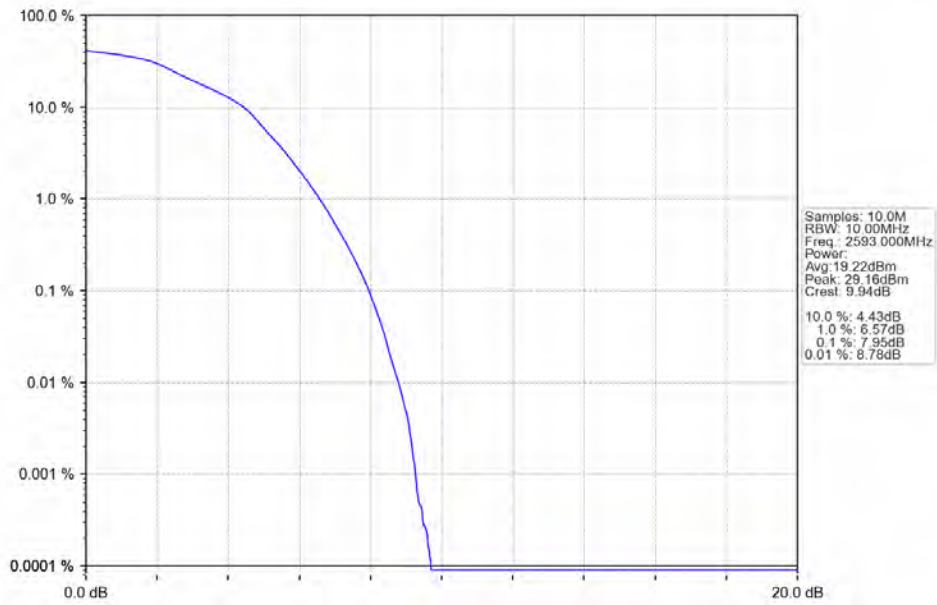
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



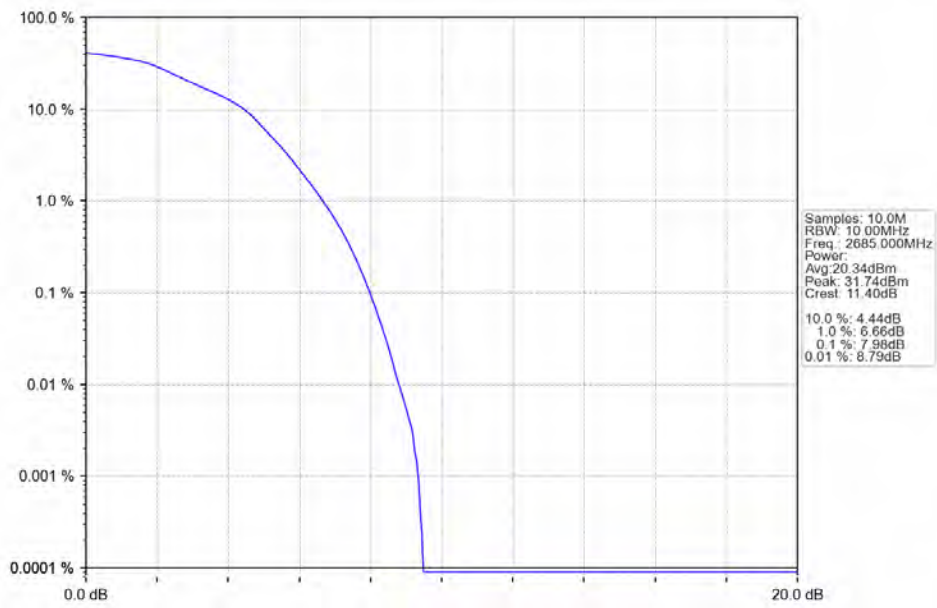
Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV

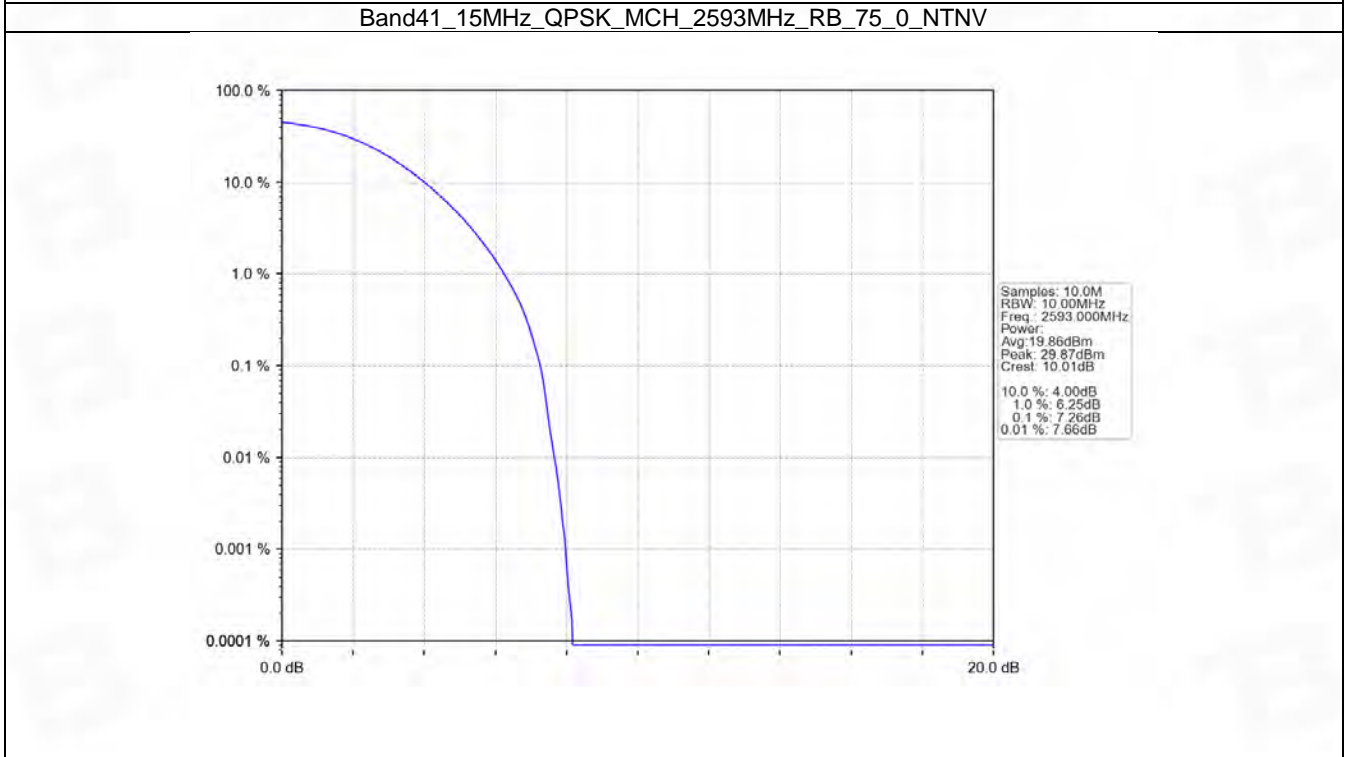
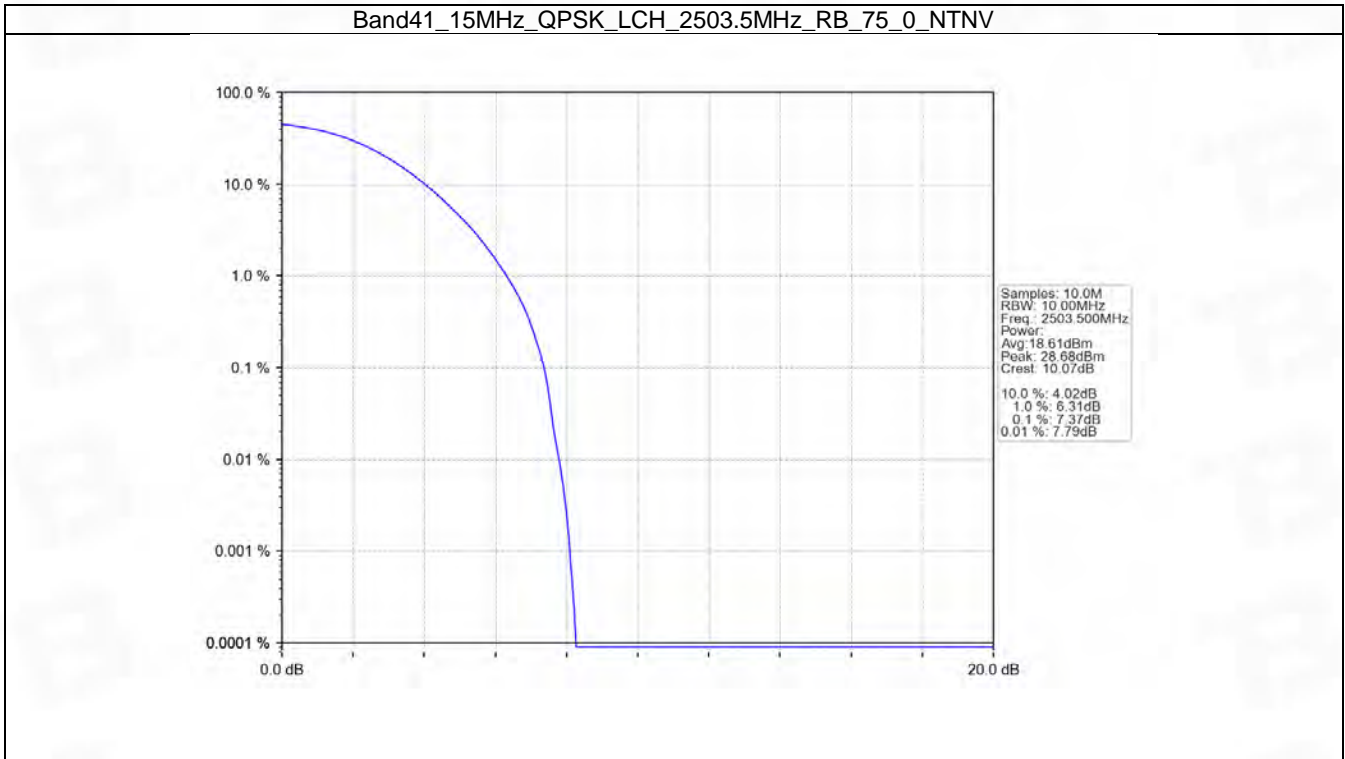


5.3 B41_15MHz

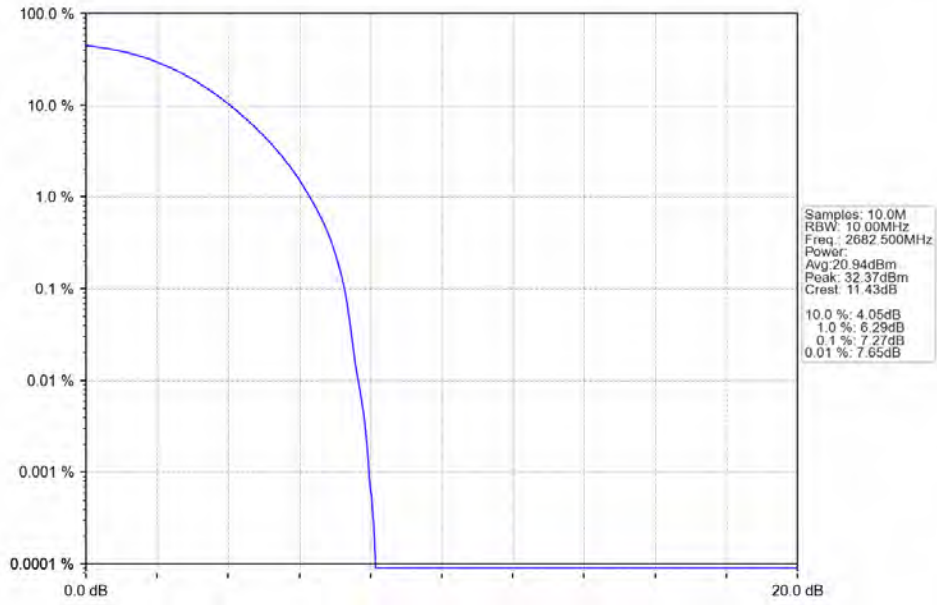
5.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.37	<=13	Pass
	2593	75	0	7.26	<=13	Pass
	2682.5	75	0	7.27	<=13	Pass
16QAM	2503.5	75	0	8.07	<=13	Pass
	2593	75	0	7.68	<=13	Pass
	2682.5	75	0	7.93	<=13	Pass

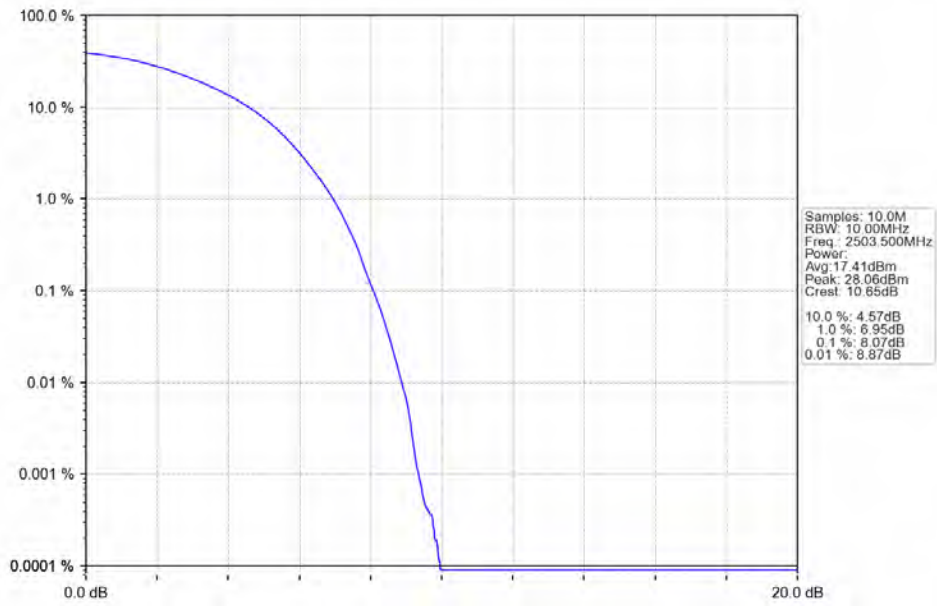
5.3.2 Test Graph



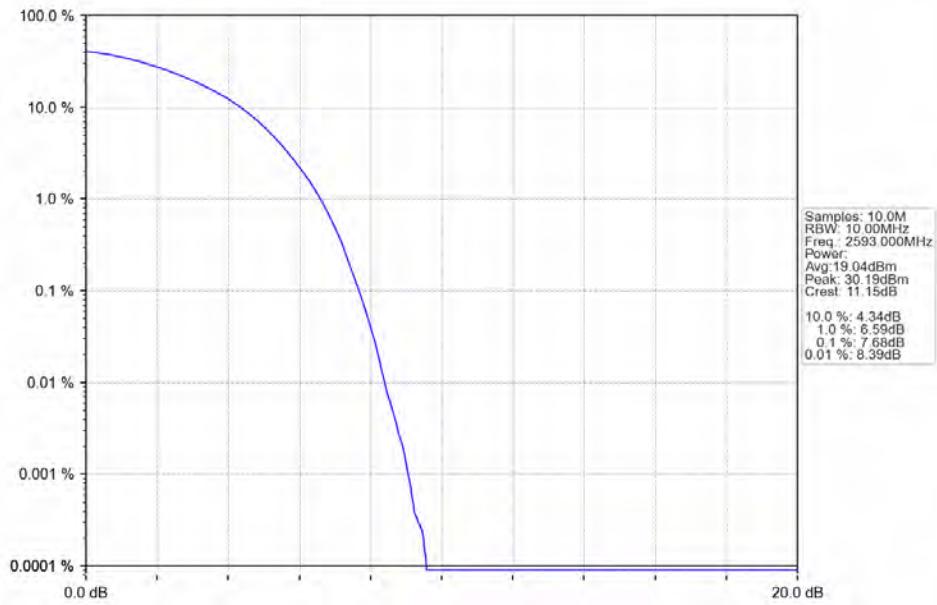
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



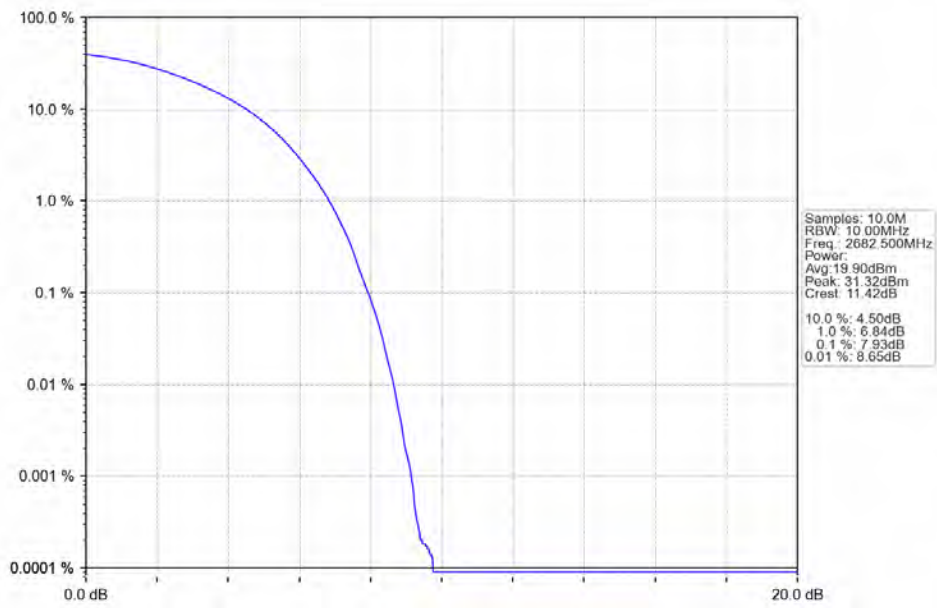
Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV

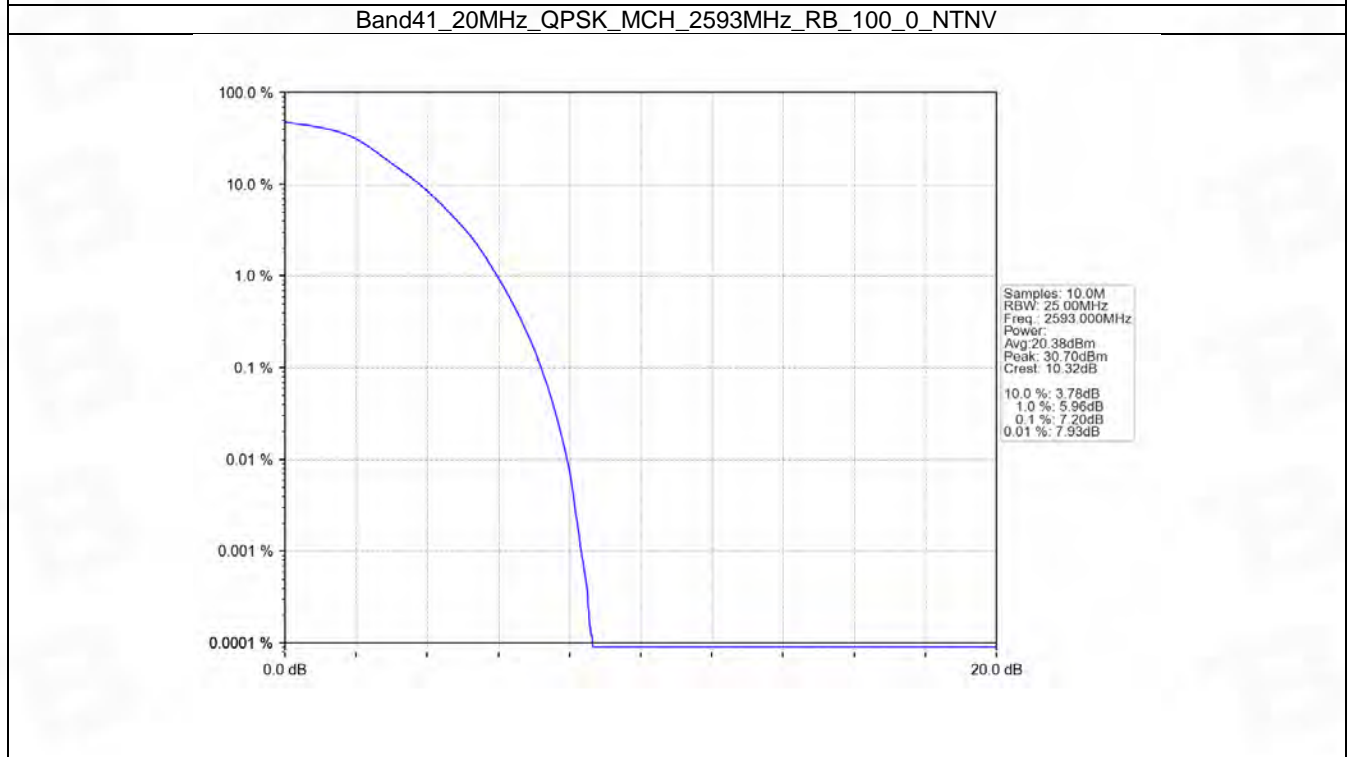
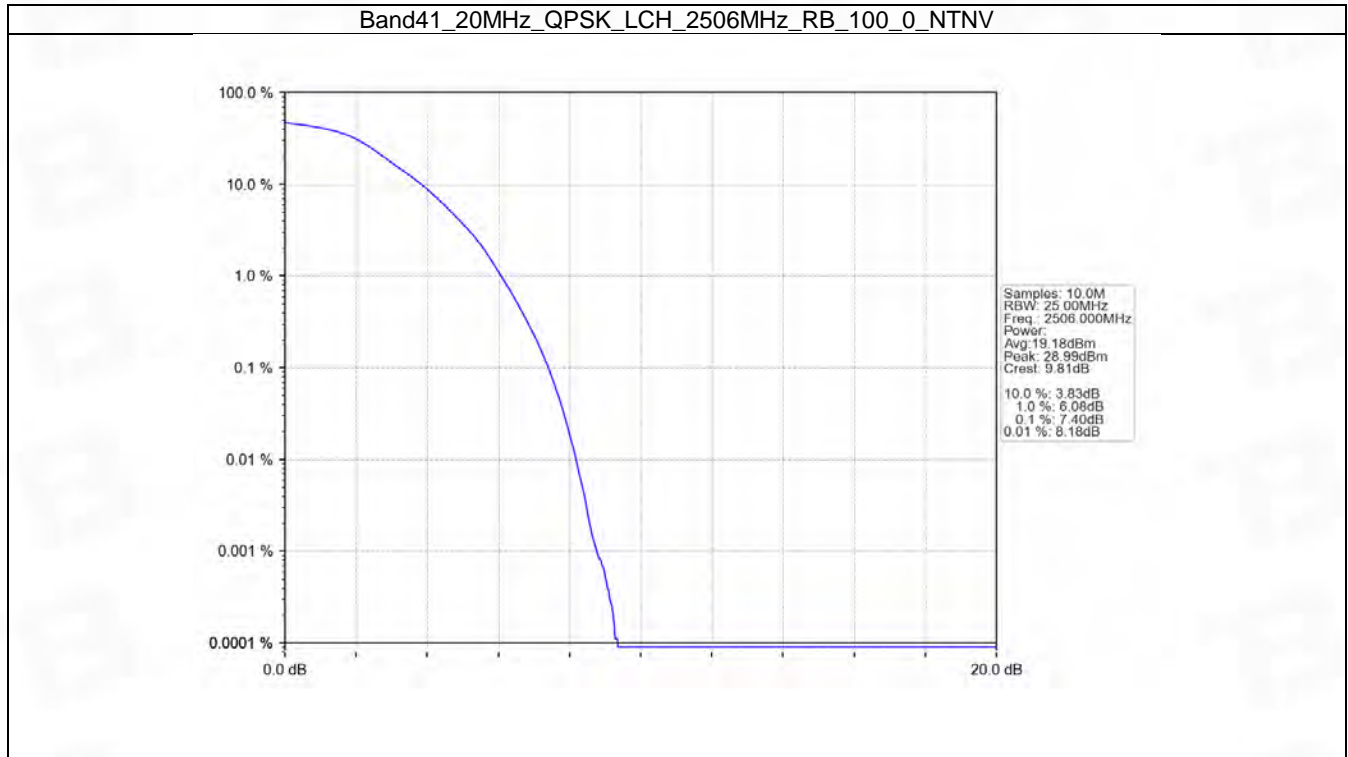


5.4 B41_20MHz

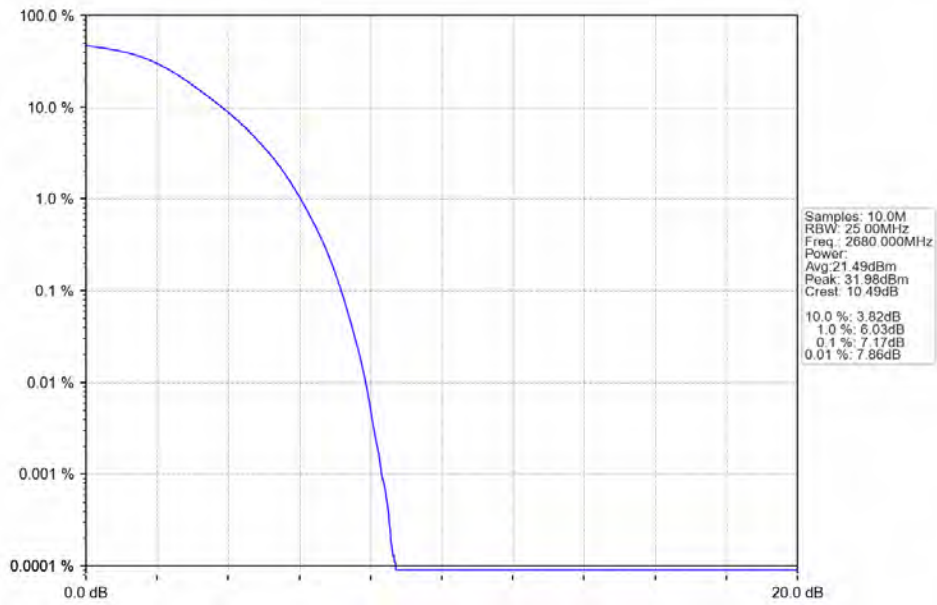
5.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.40	<=13	Pass
	2593	100	0	7.20	<=13	Pass
	2680	100	0	7.17	<=13	Pass
16QAM	2506	100	0	8.10	<=13	Pass
	2593	100	0	8.21	<=13	Pass
	2680	100	0	8.26	<=13	Pass

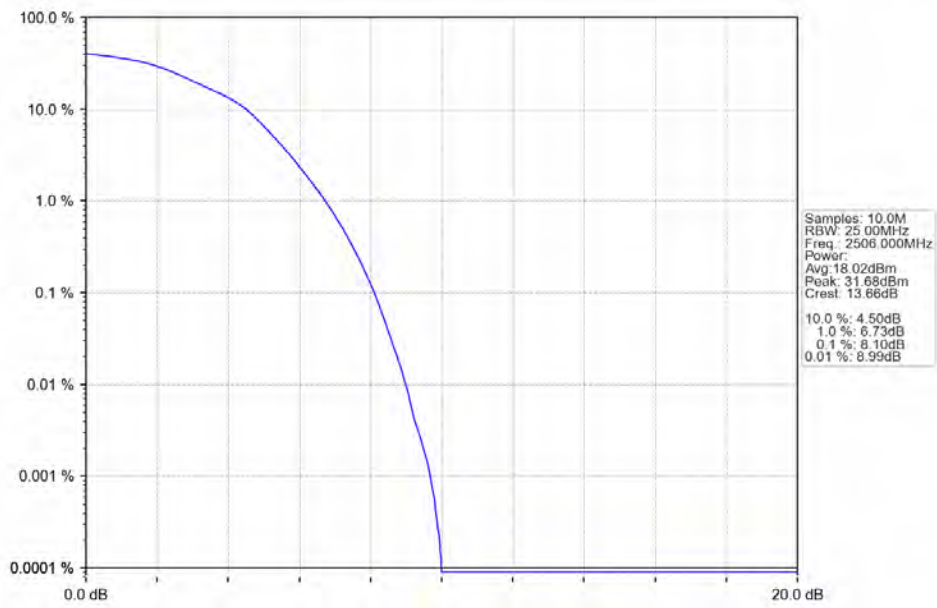
5.4.2 Test Graph



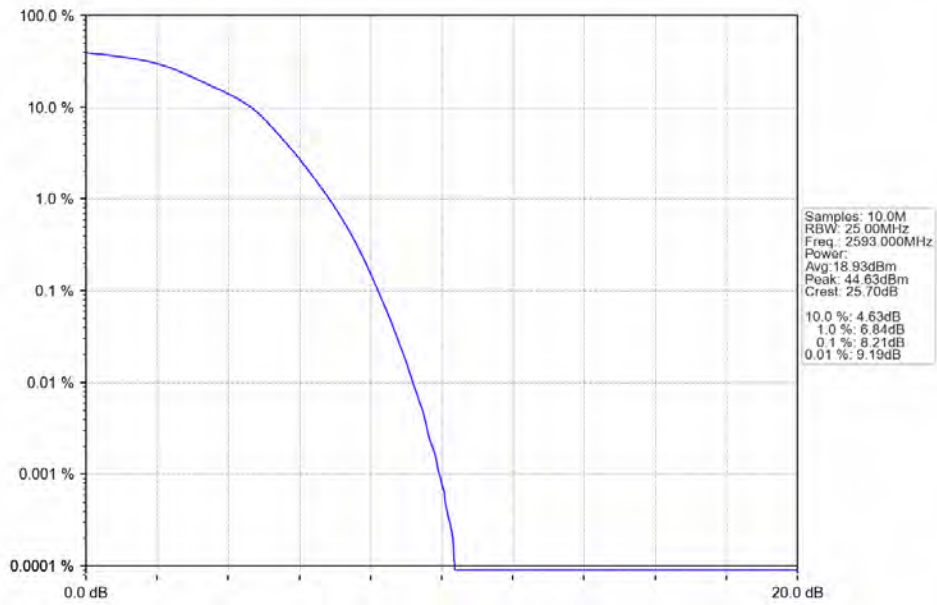
Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



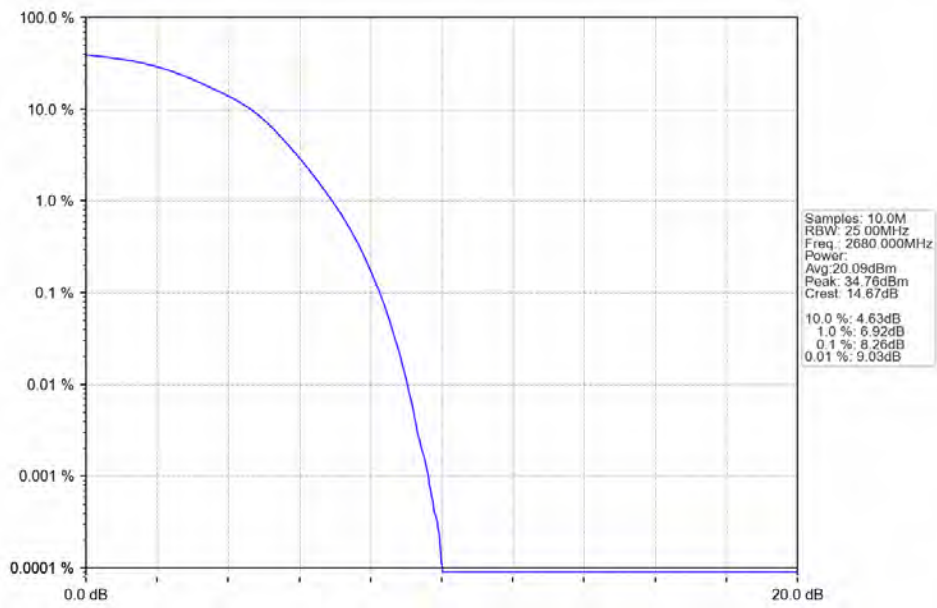
Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



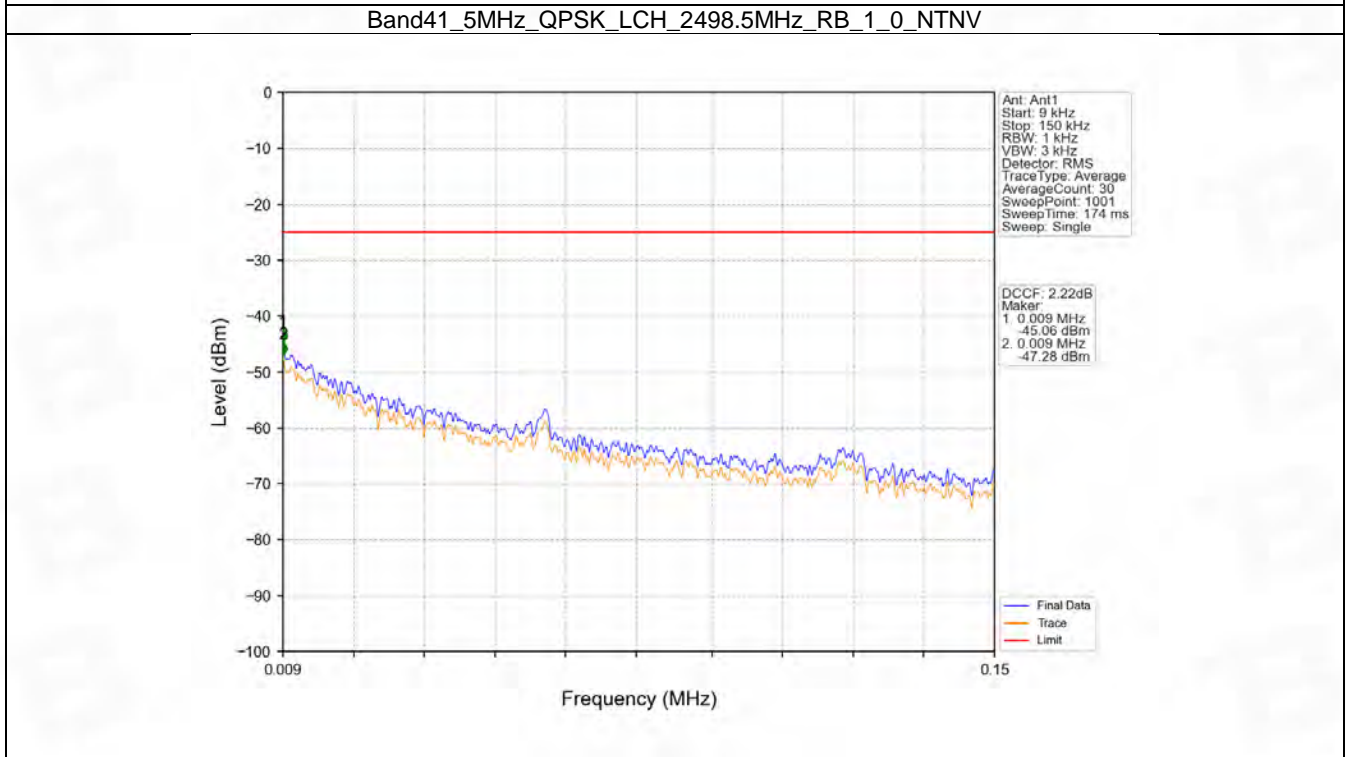
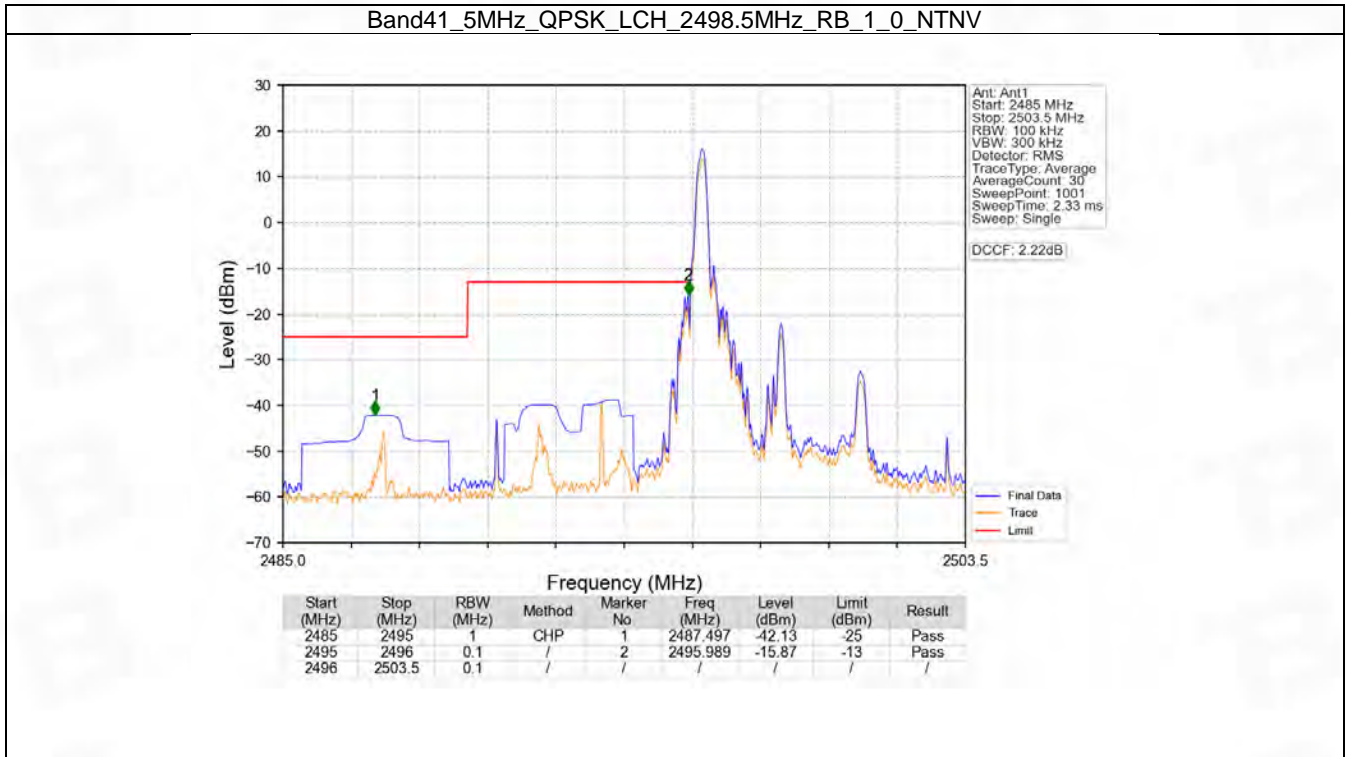
6. Spurious Emission

6.1 B41_5MHz

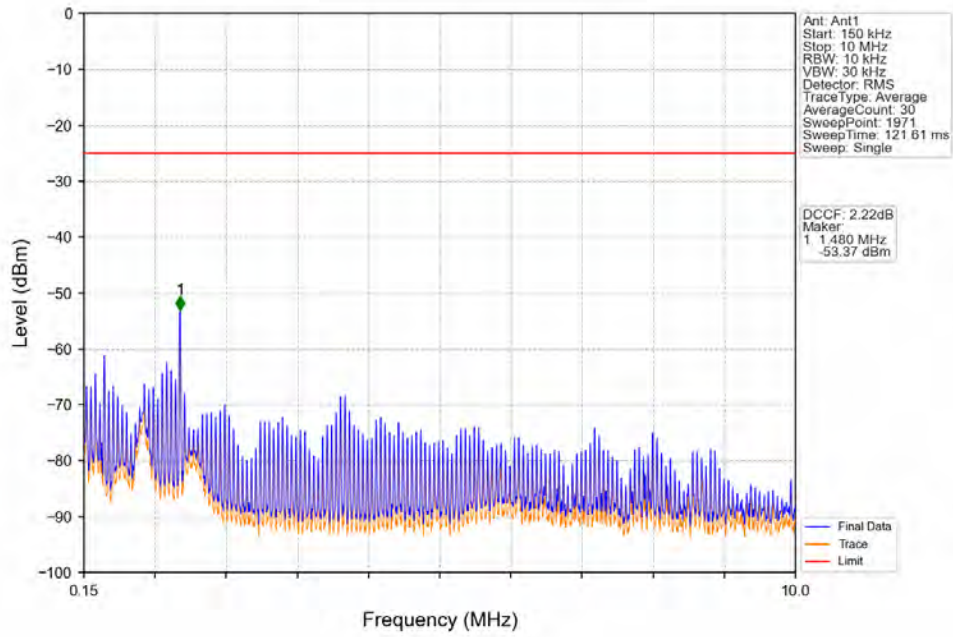
6.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2687.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

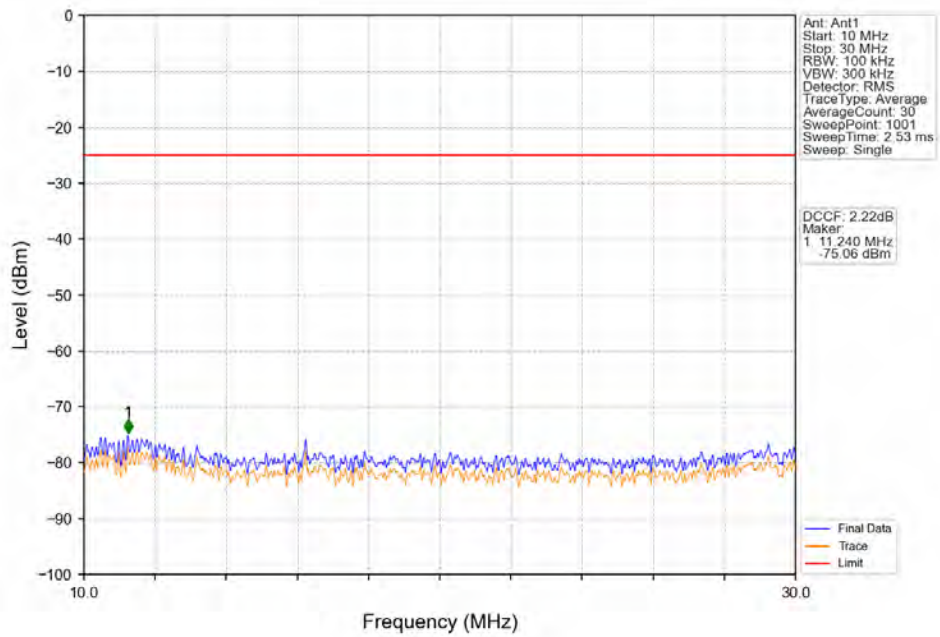
6.1.2 Test Graph



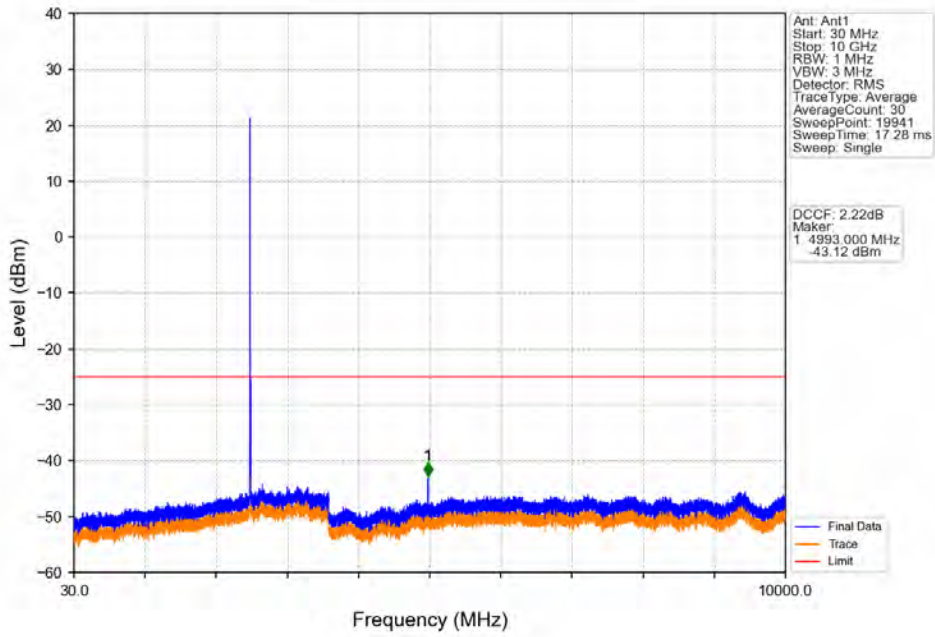
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



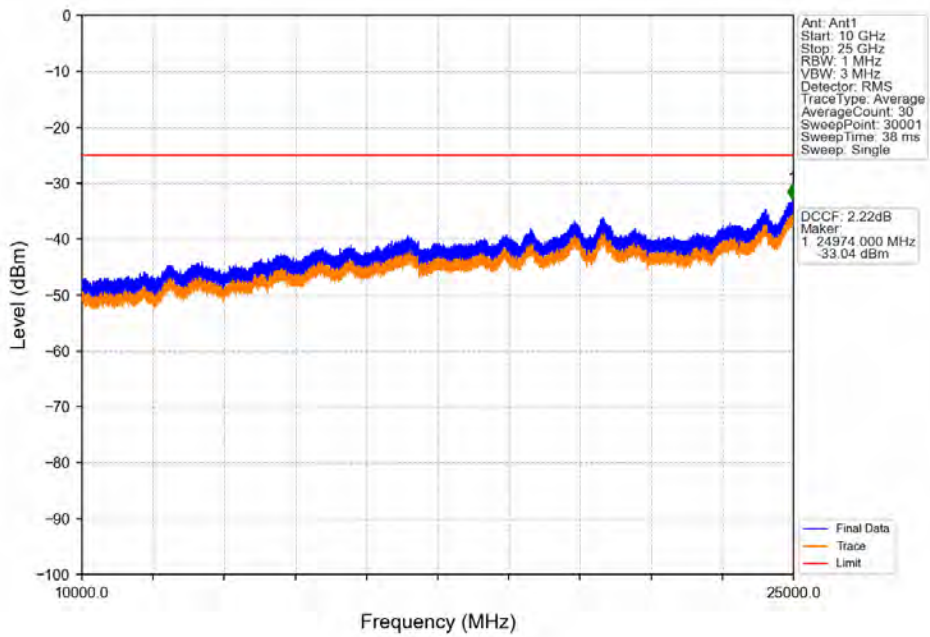
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



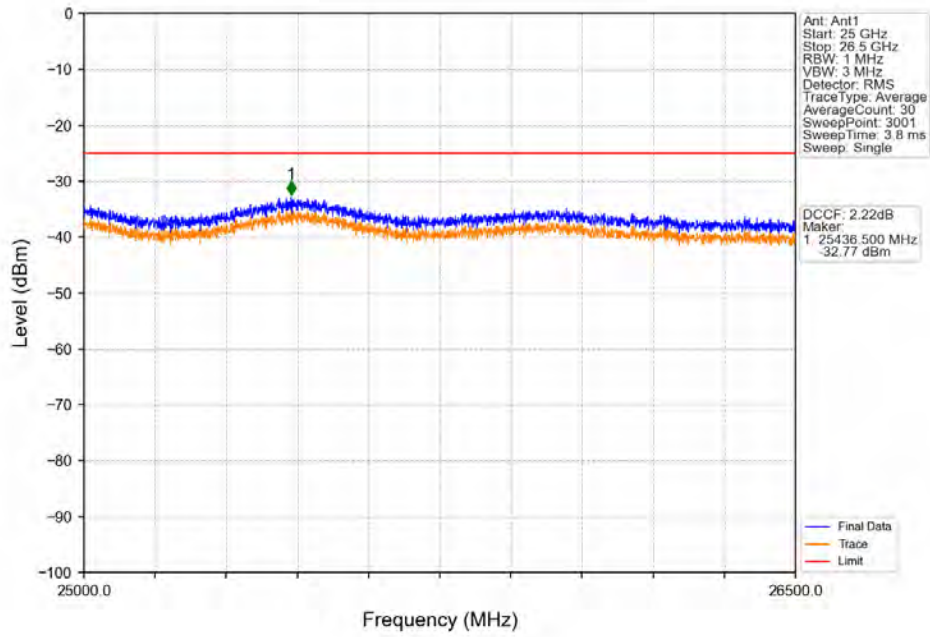
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

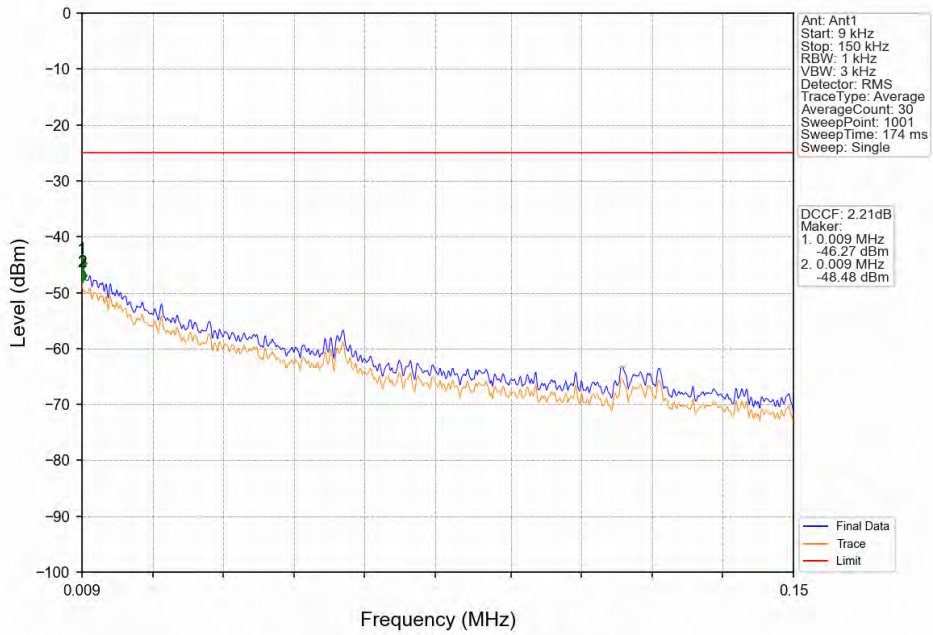


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

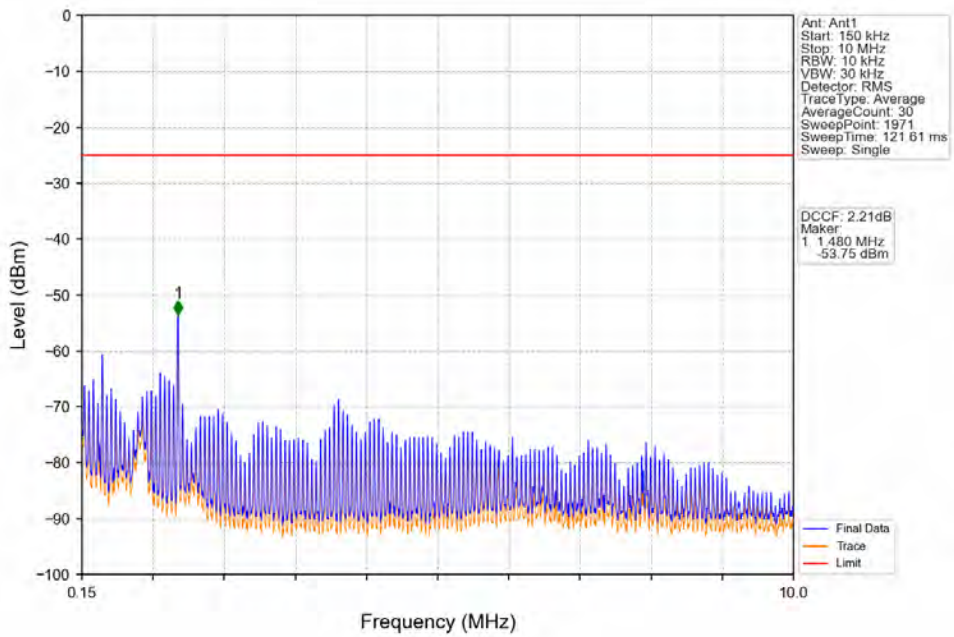


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.472	-24.27	-13	Pass
2495	2496	0.1	/	2	2495.730	-24.13	-13	Pass
2496	2503.5	0.108	/	/	/	/	/	/

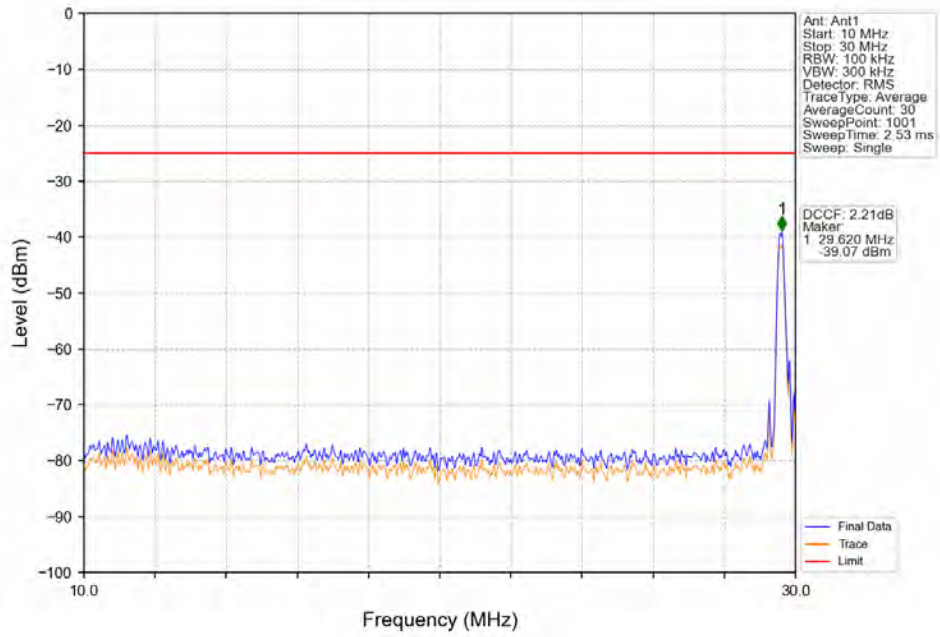
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



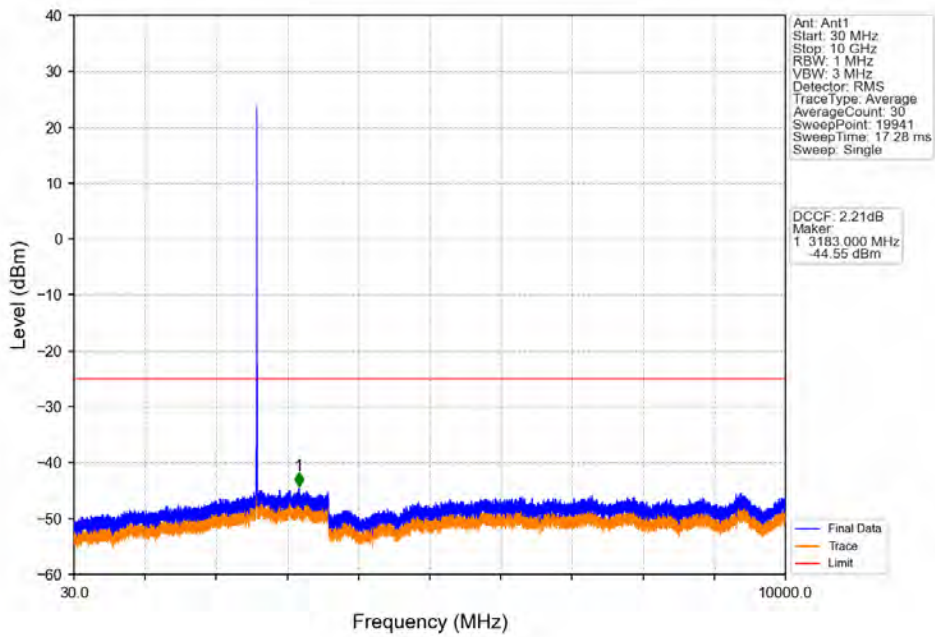
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



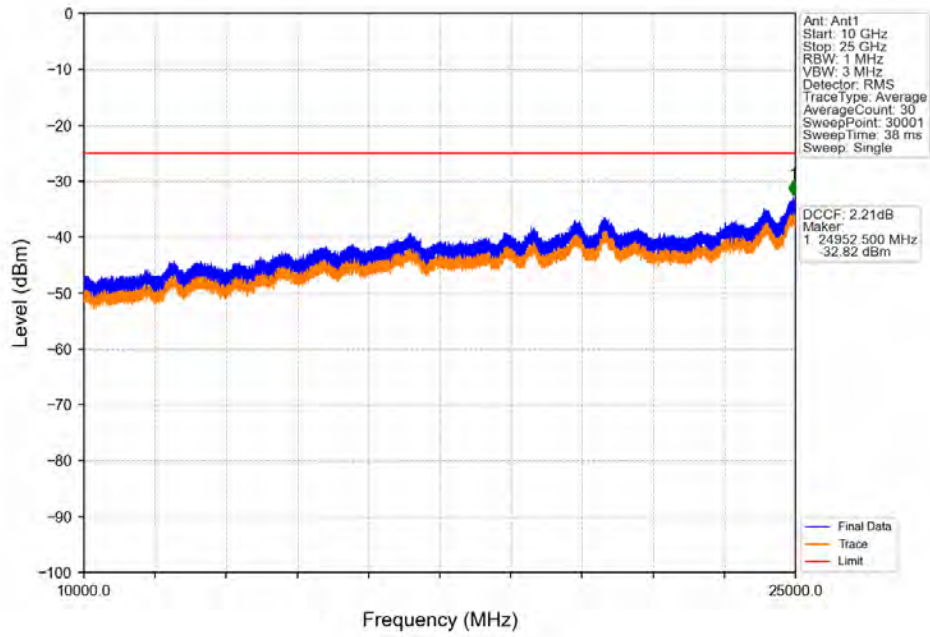
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



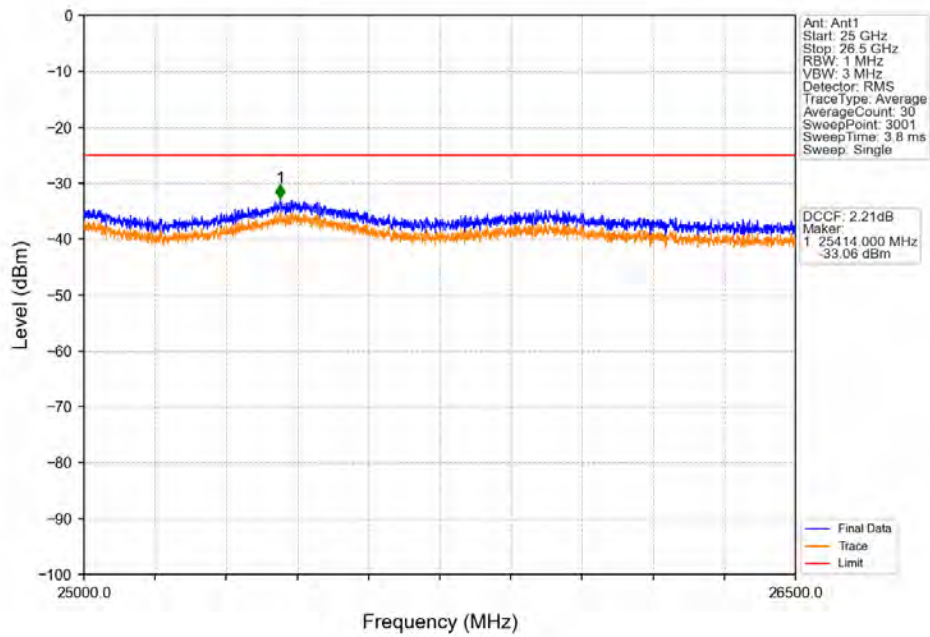
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



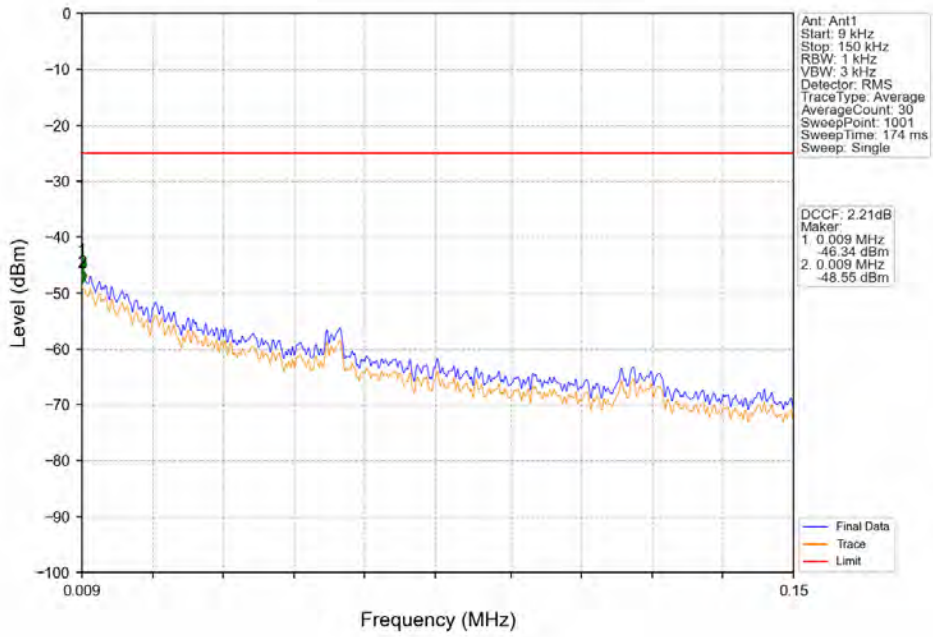
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



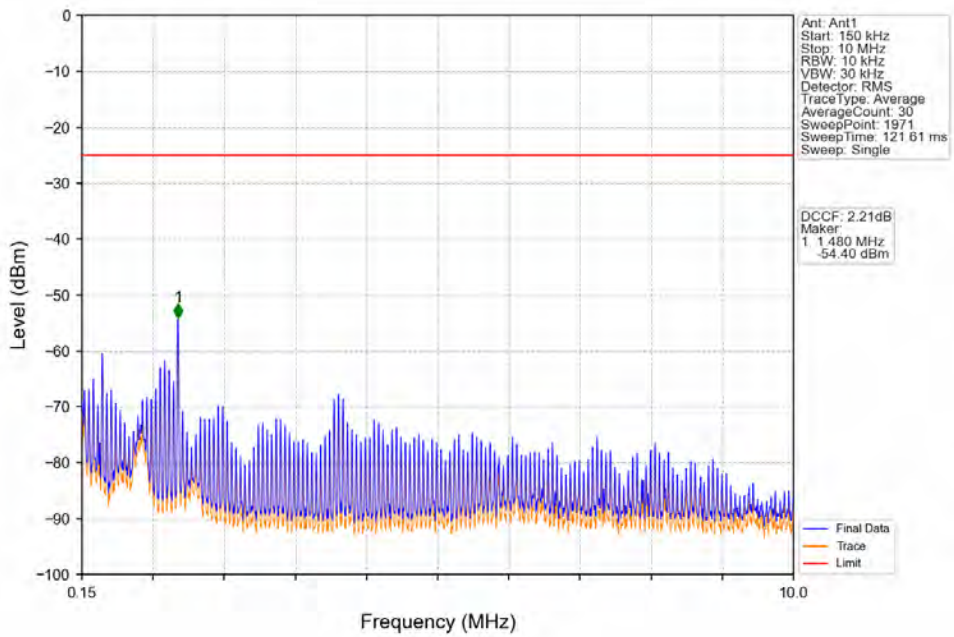
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



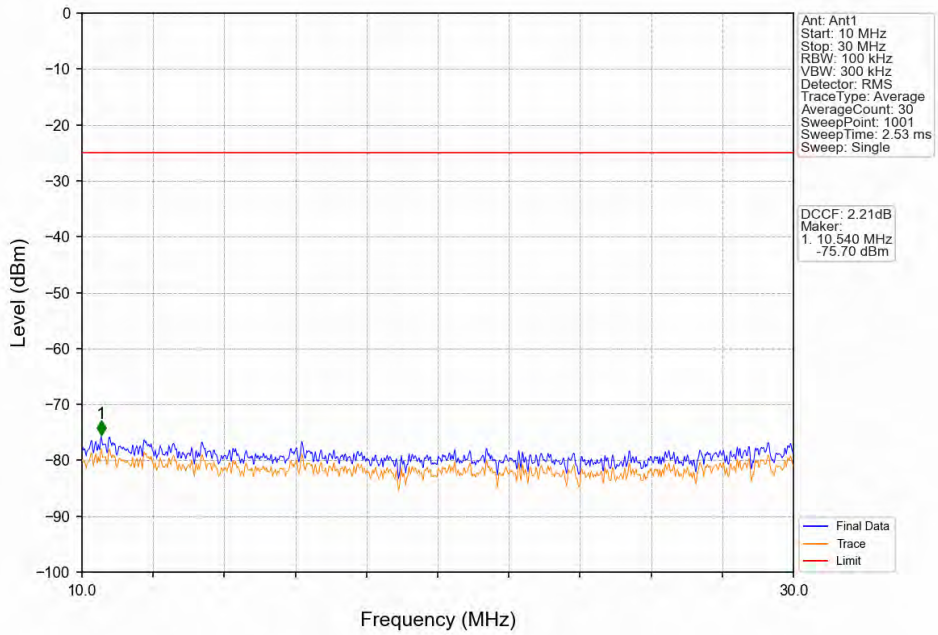
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



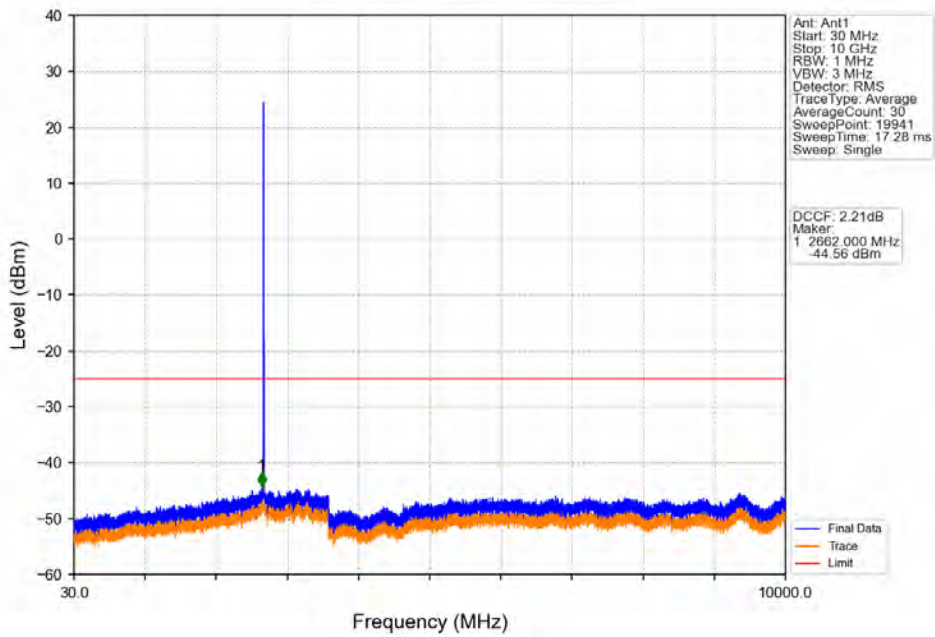
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



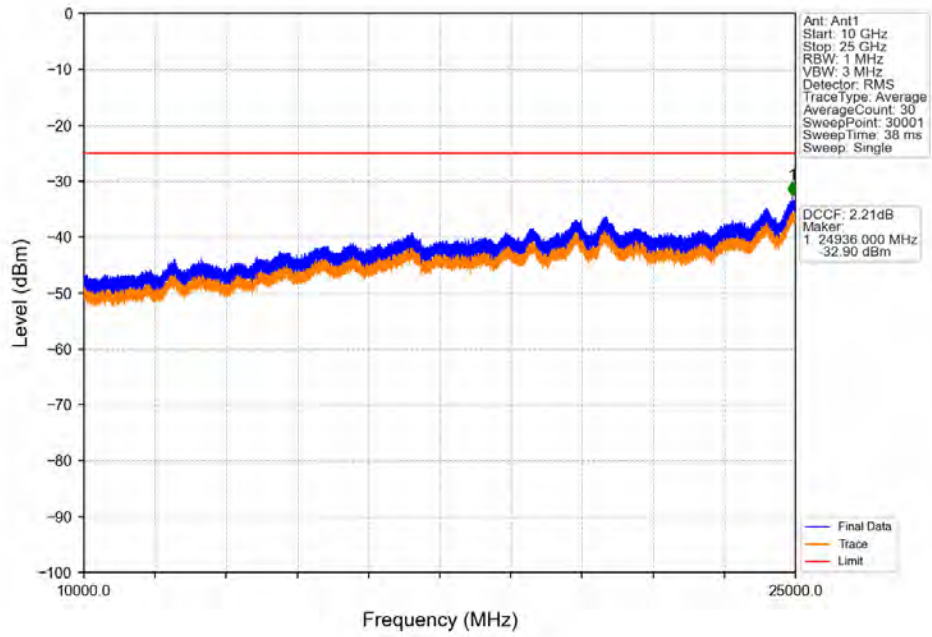
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



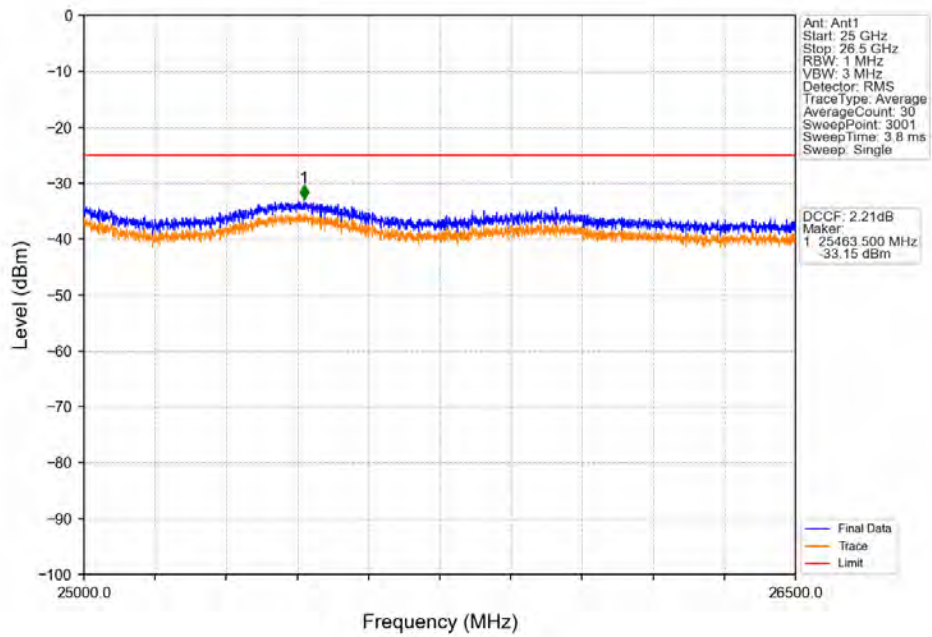
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



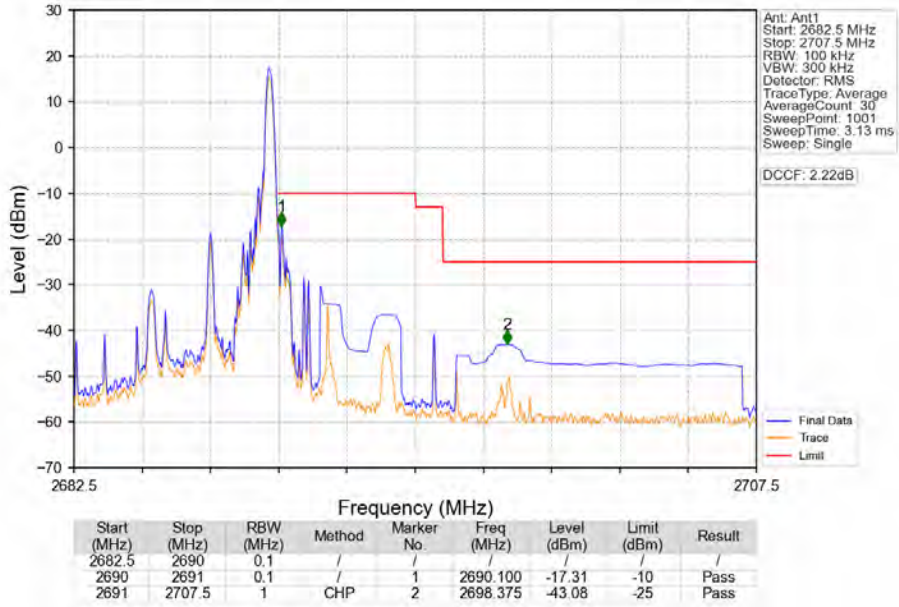
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



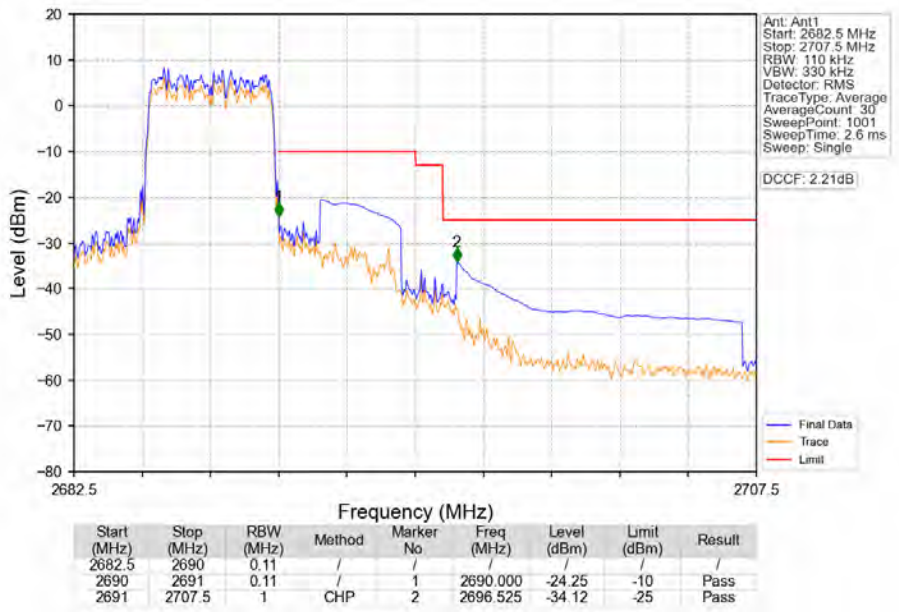
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



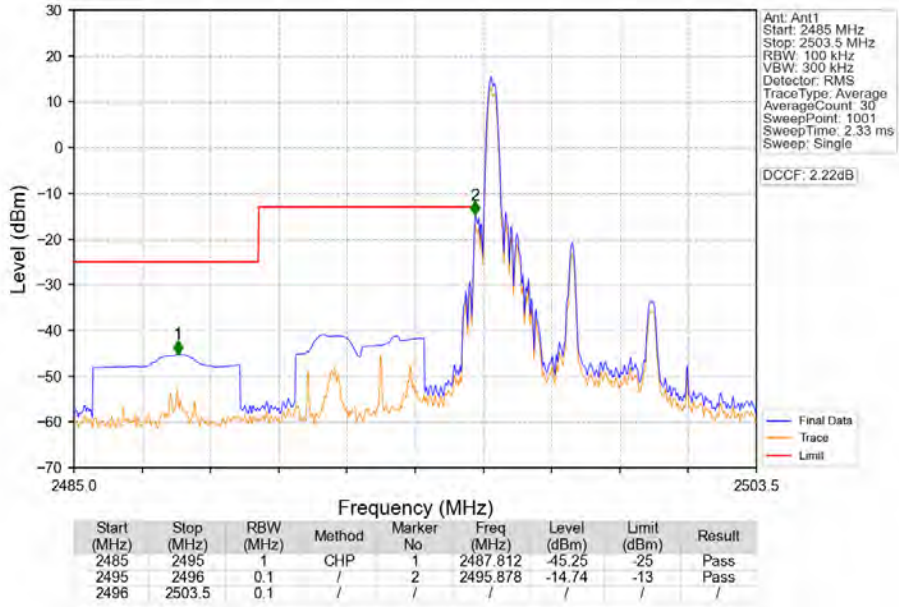
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



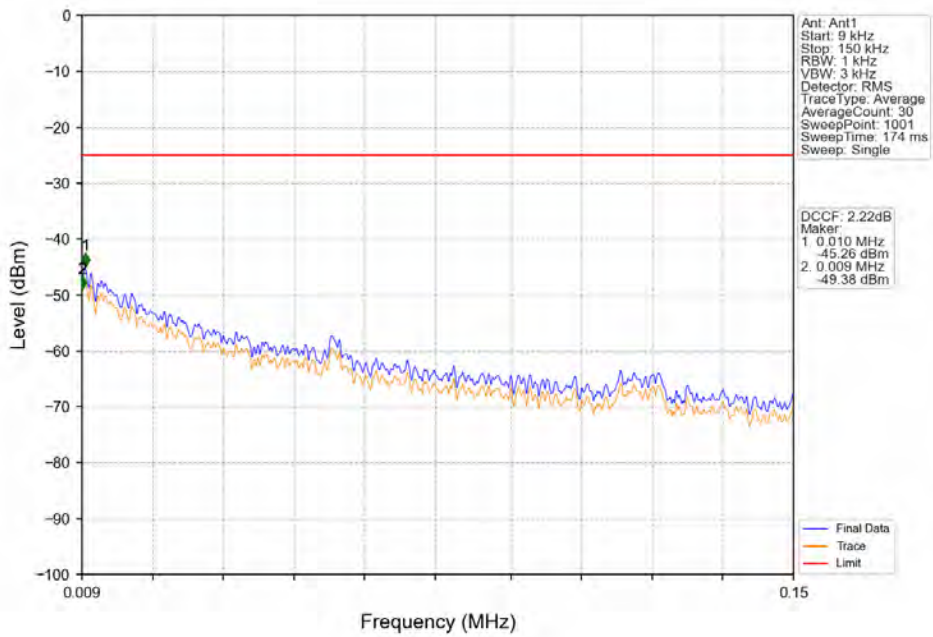
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



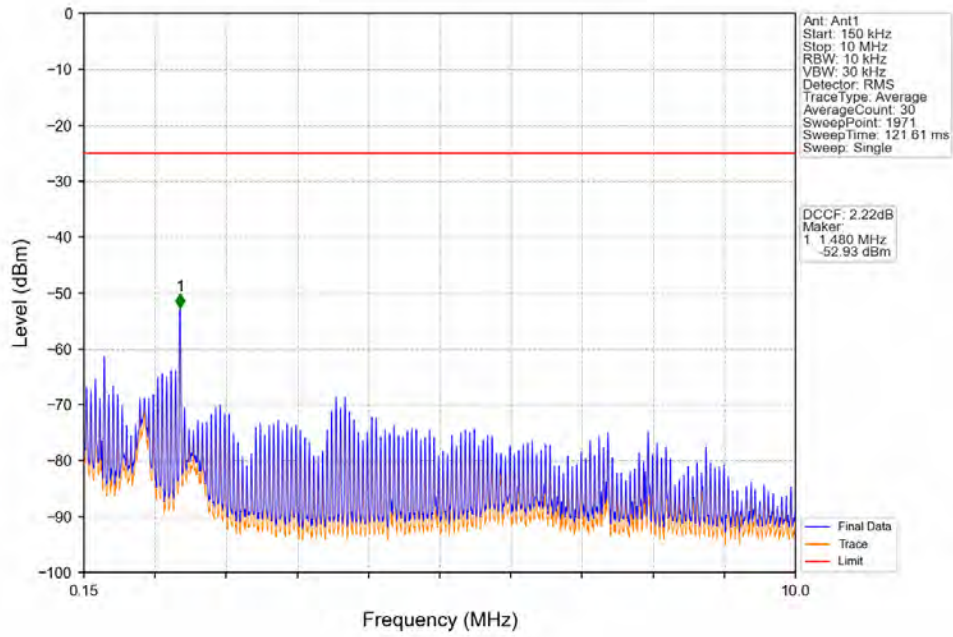
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTV



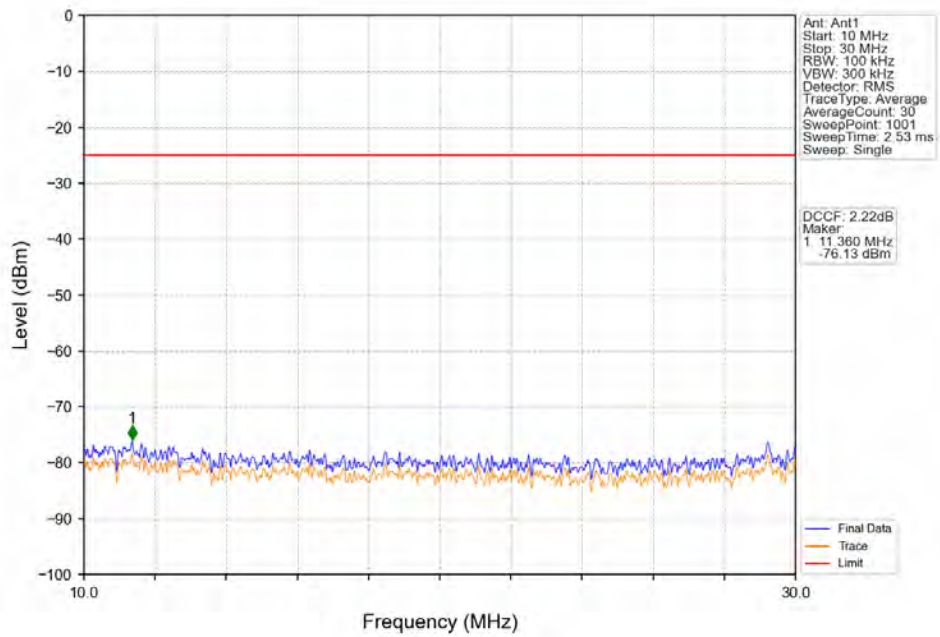
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTV



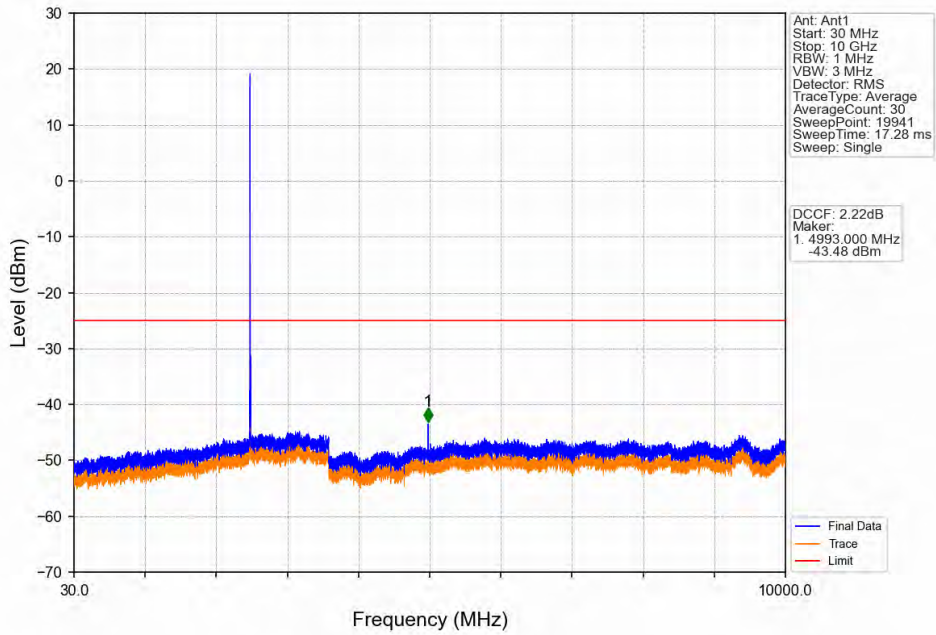
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



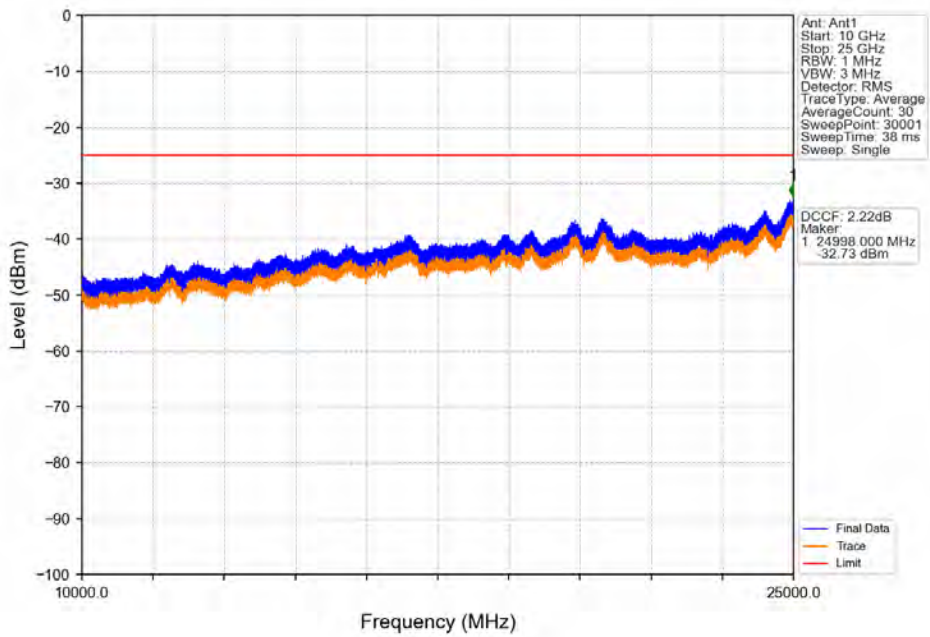
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



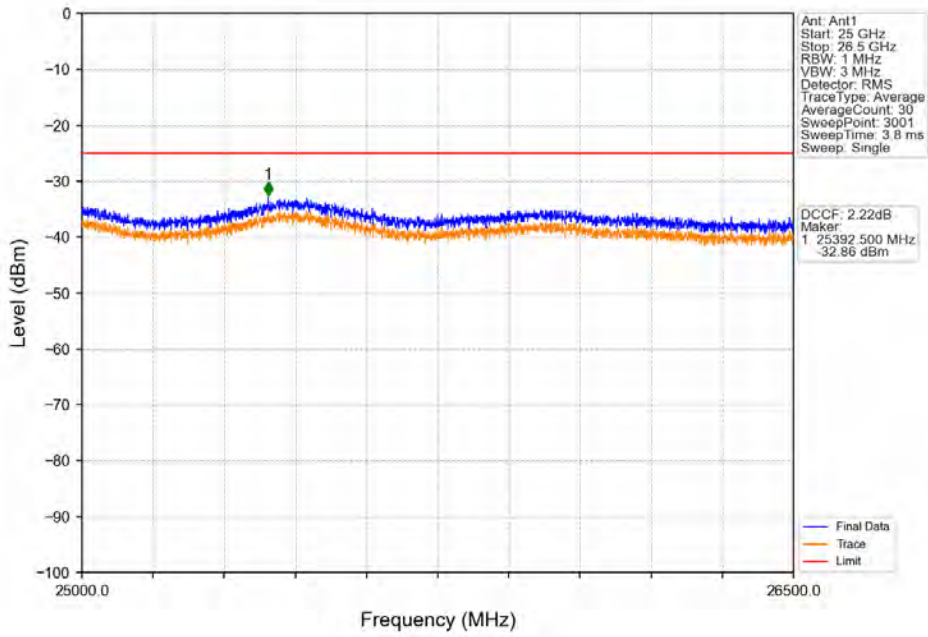
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



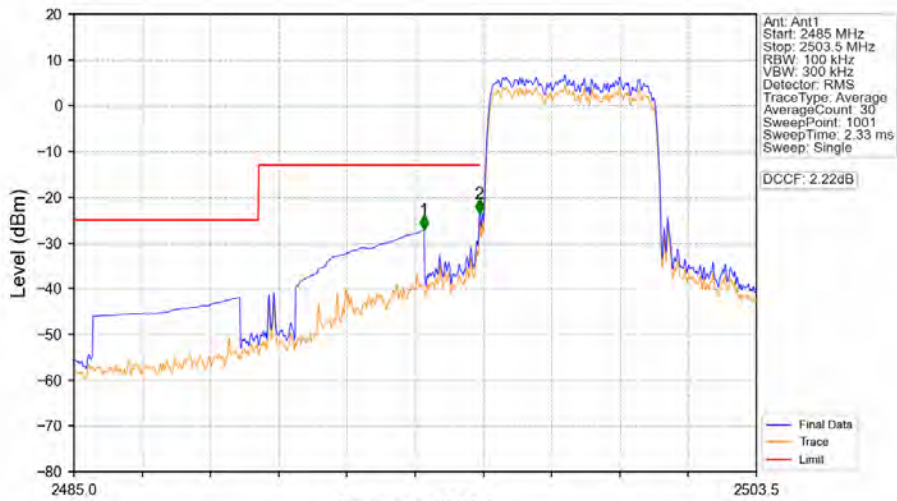
Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV

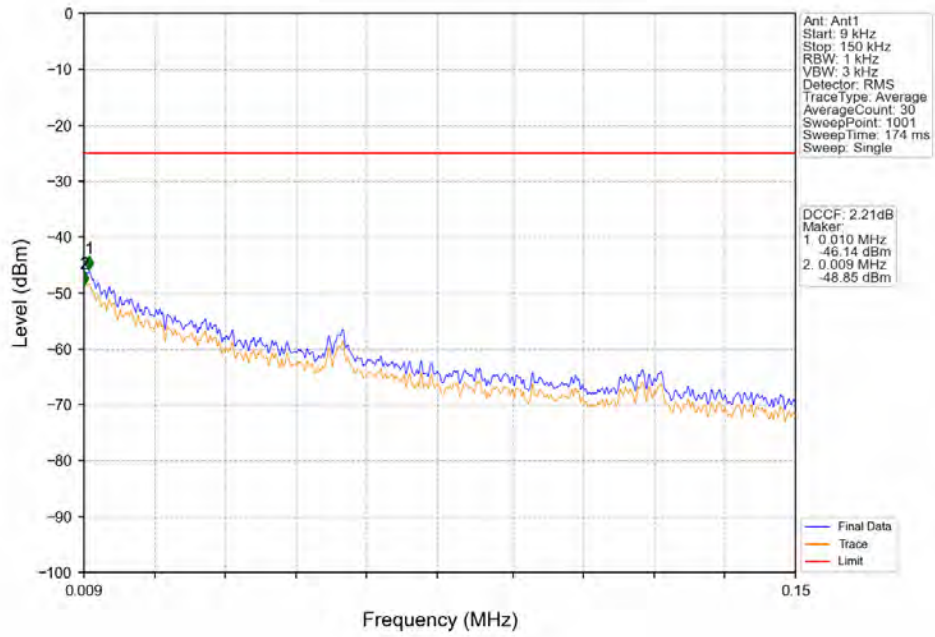


Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV

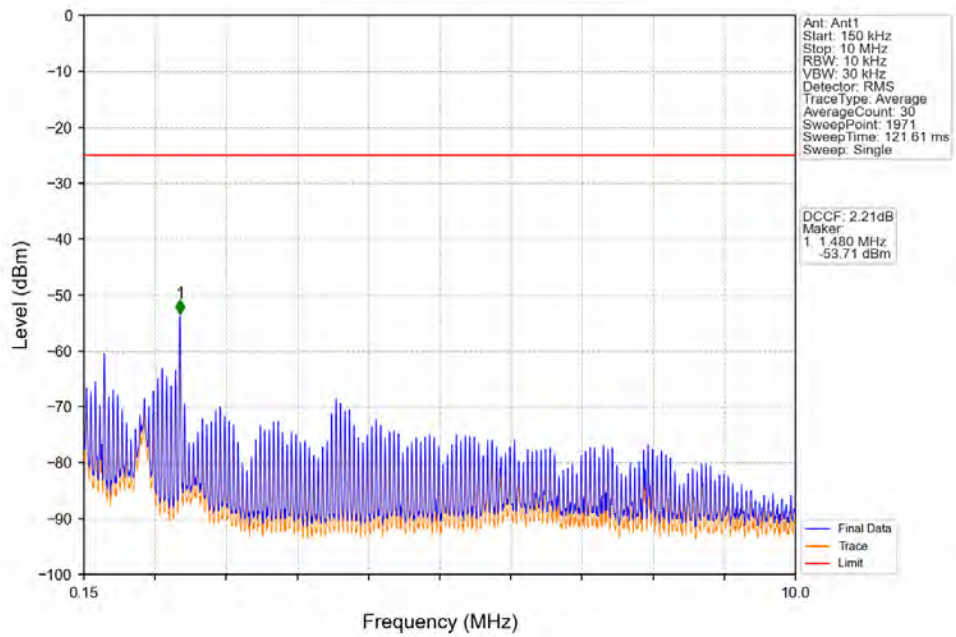


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.490	-27.17	-13	Pass
2495	2496	0.1	/	2	2495.989	-23.62	-13	Pass
2496	2503.5	0.105	/	/	/	/	/	/

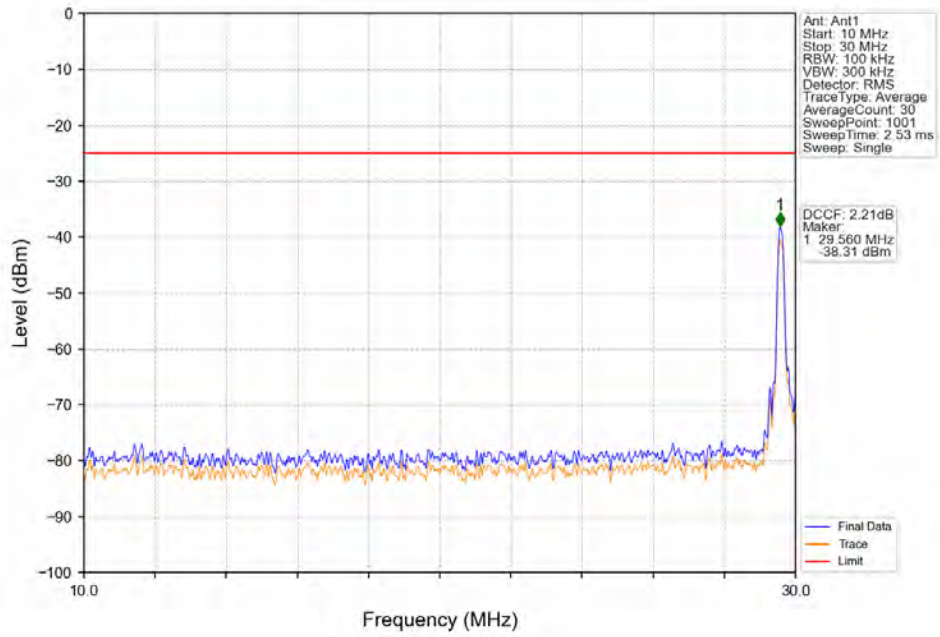
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



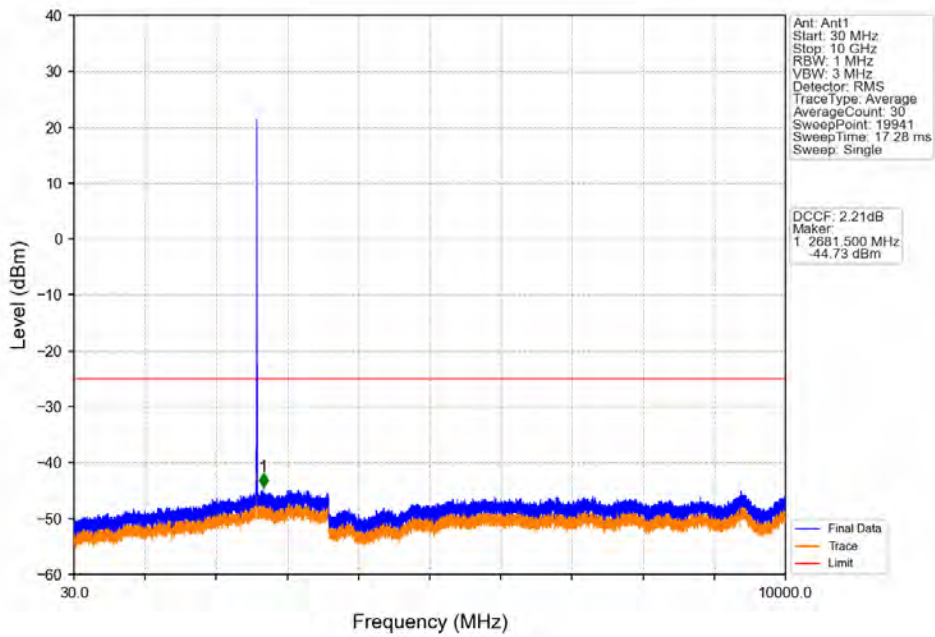
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



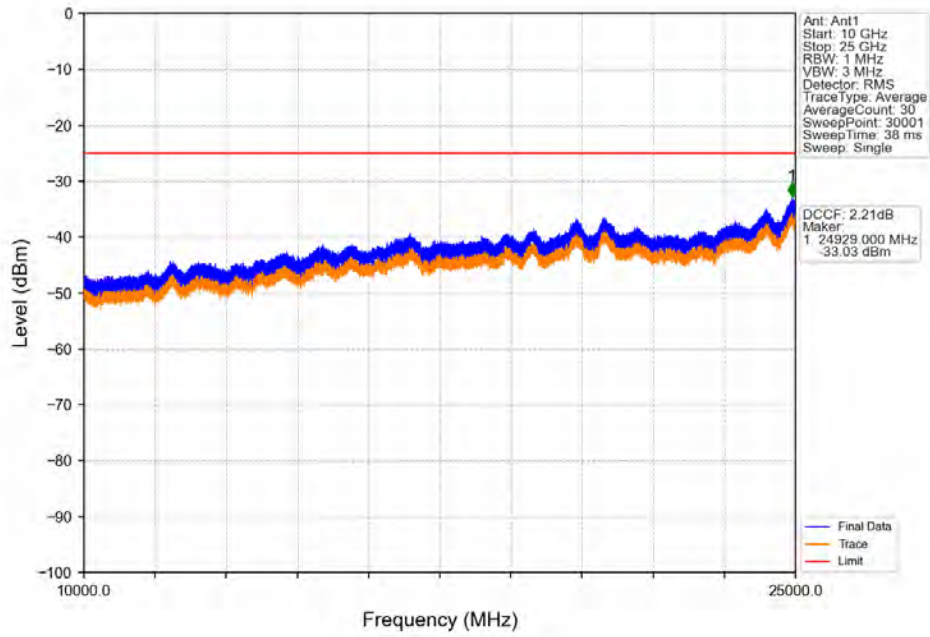
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



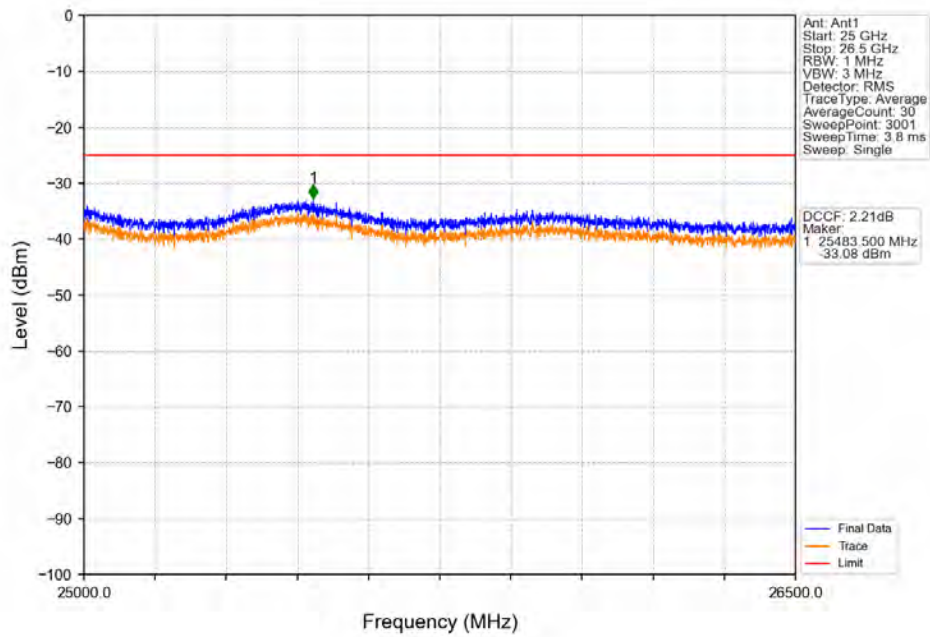
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



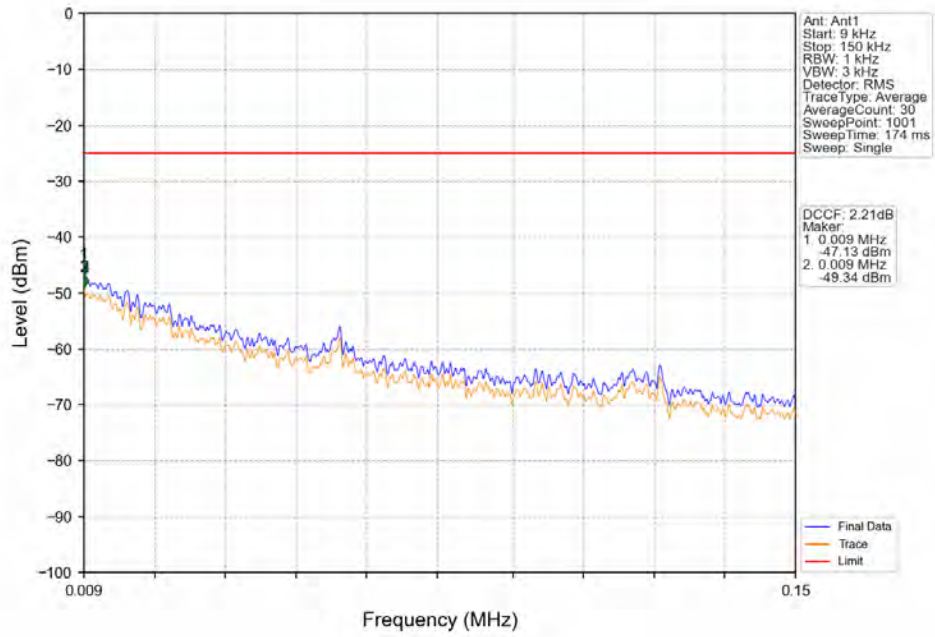
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



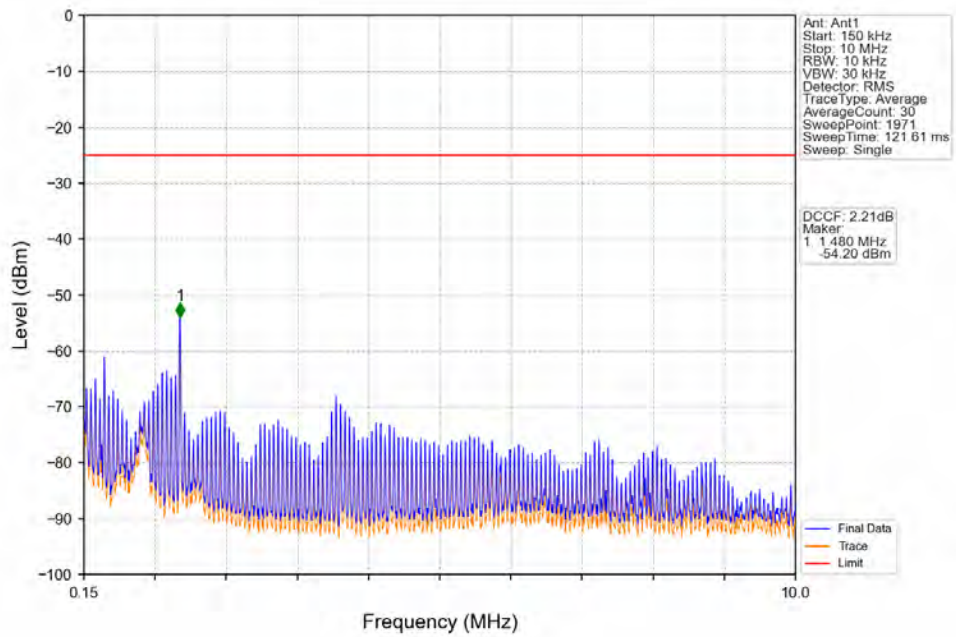
Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



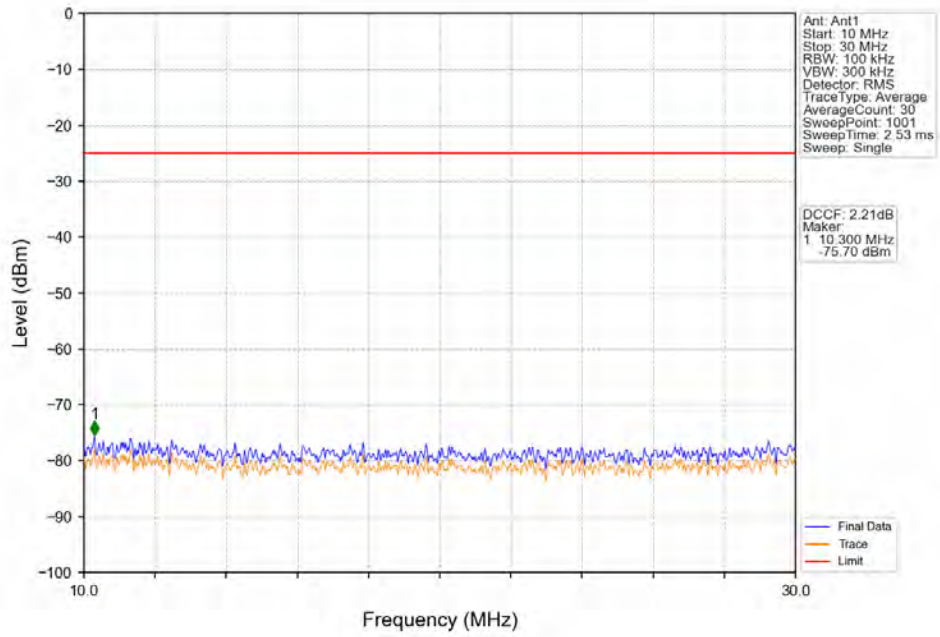
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



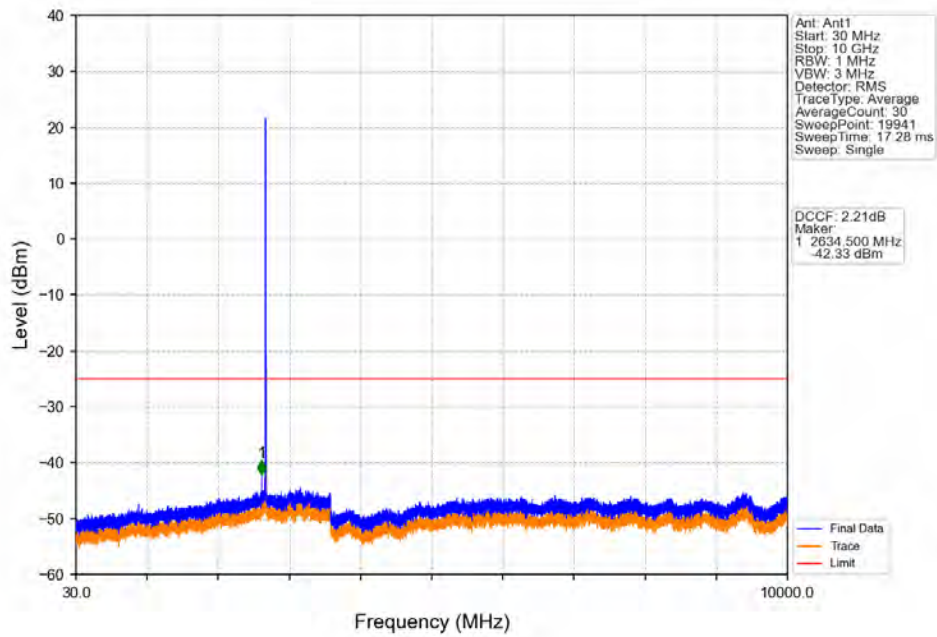
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



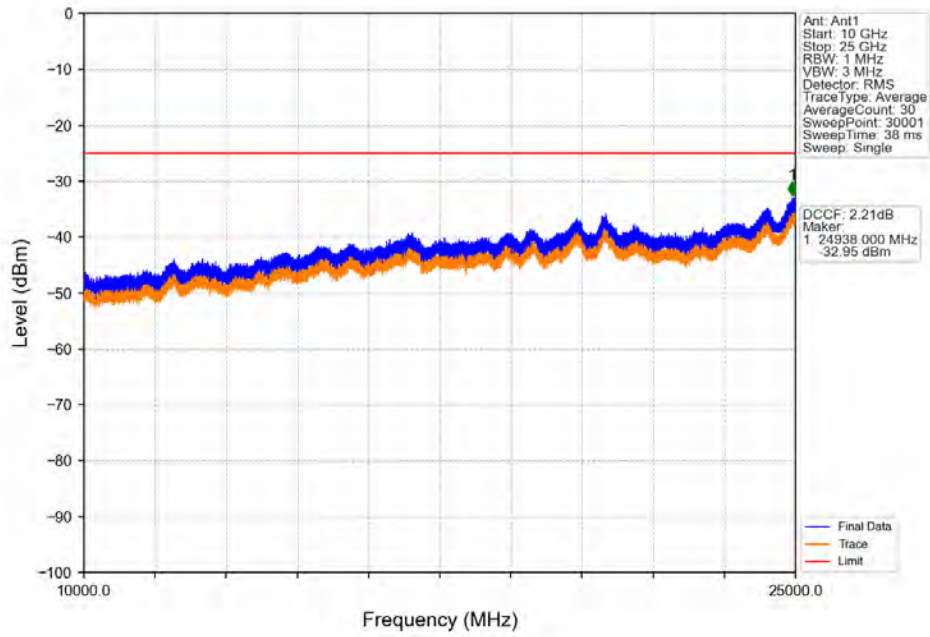
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



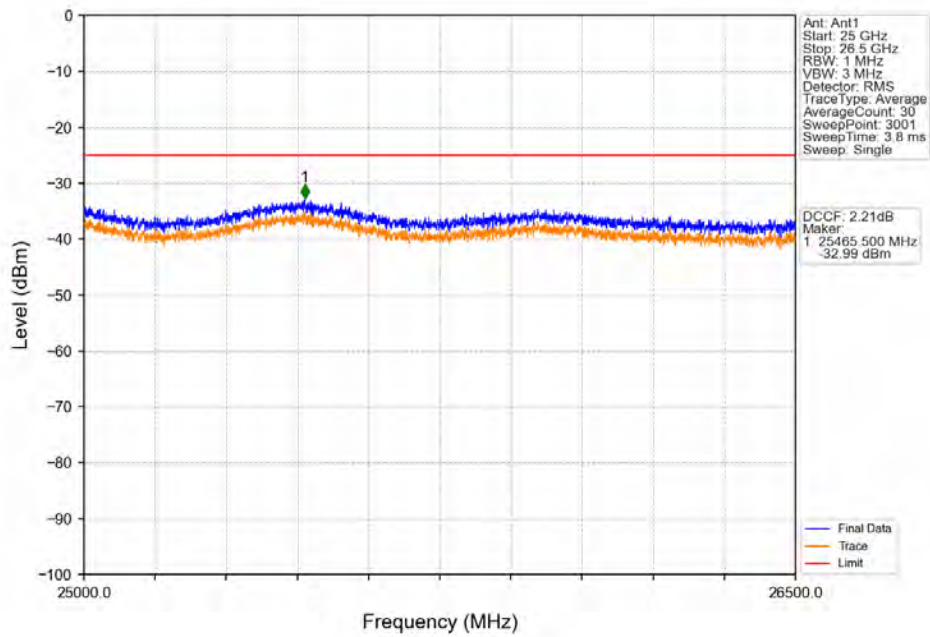
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



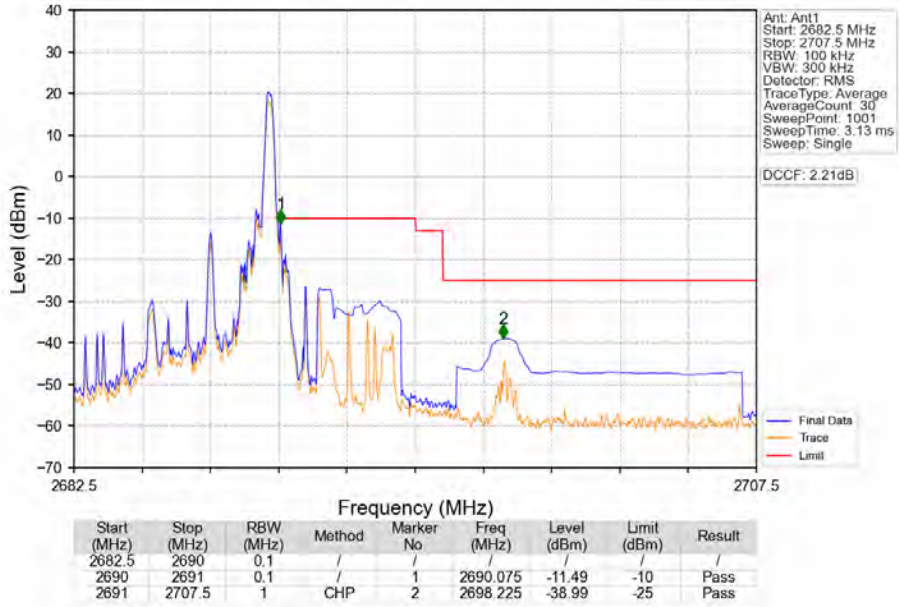
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



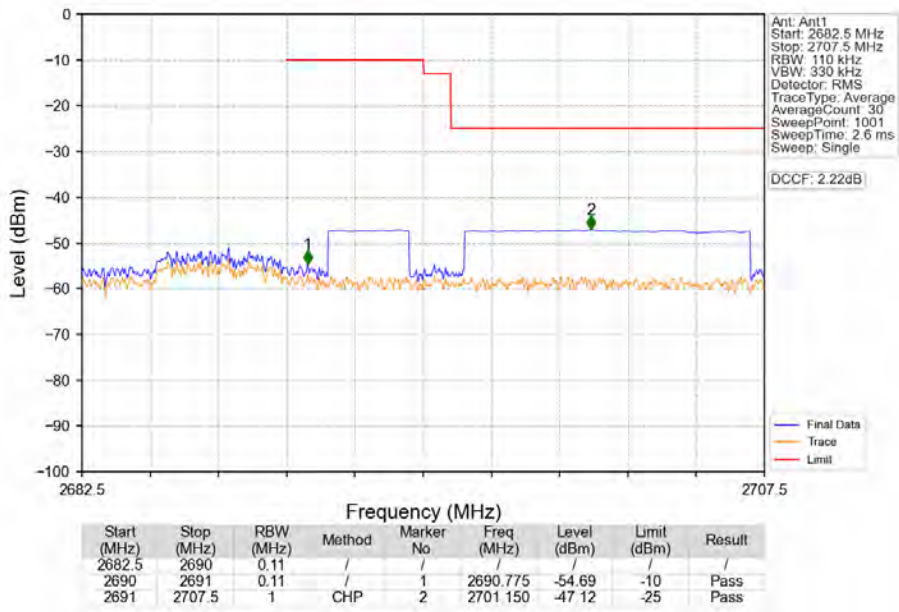
Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_24_NTNV



Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV

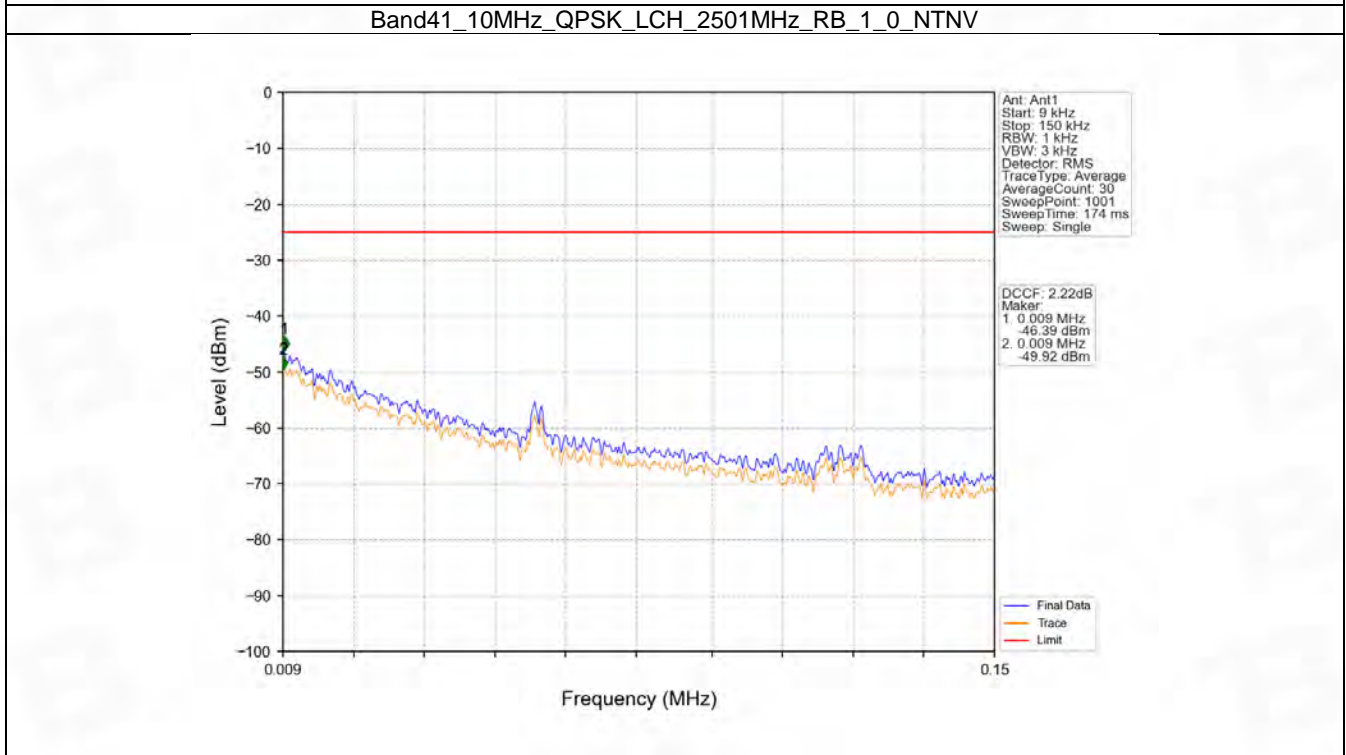
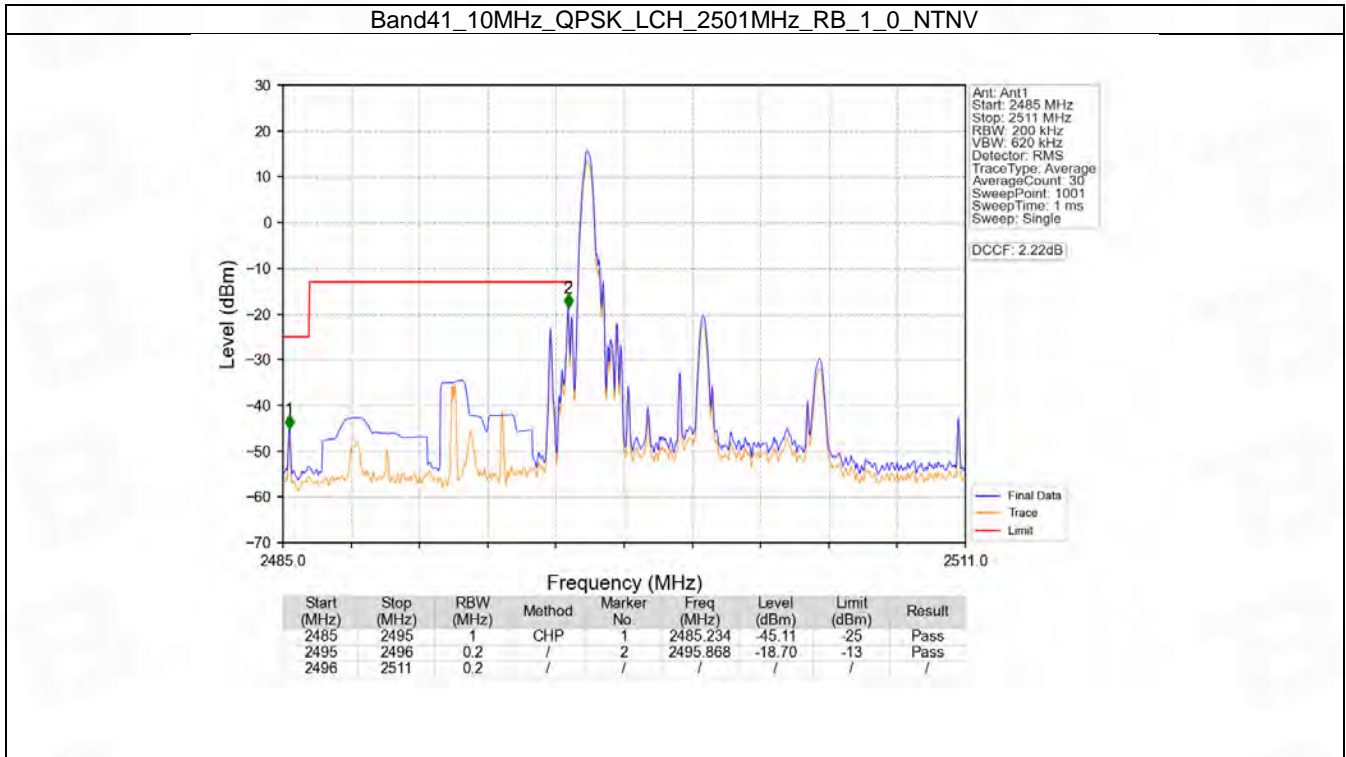


6.2 B41_10MHz

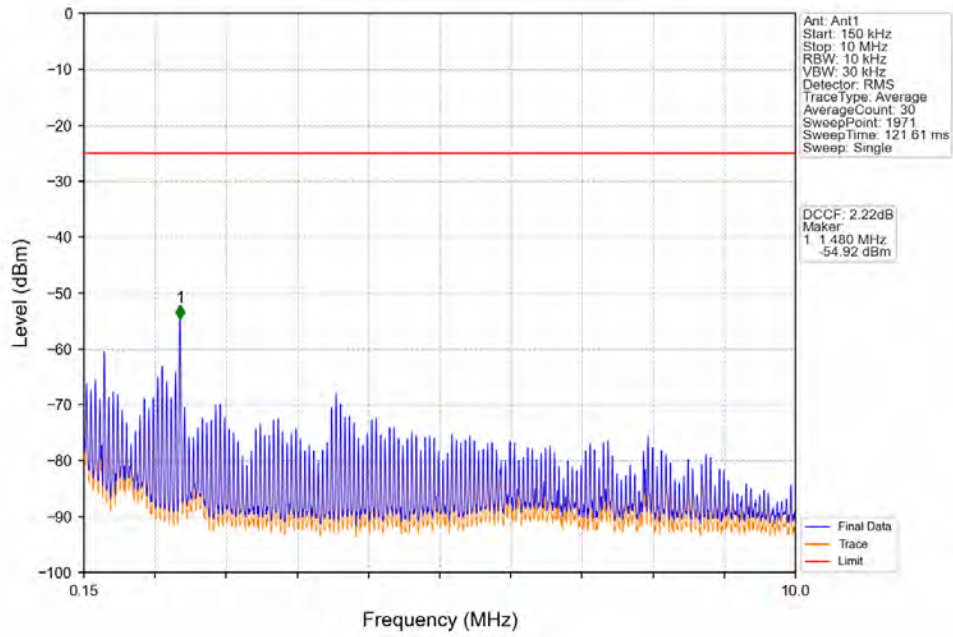
6.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2501	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

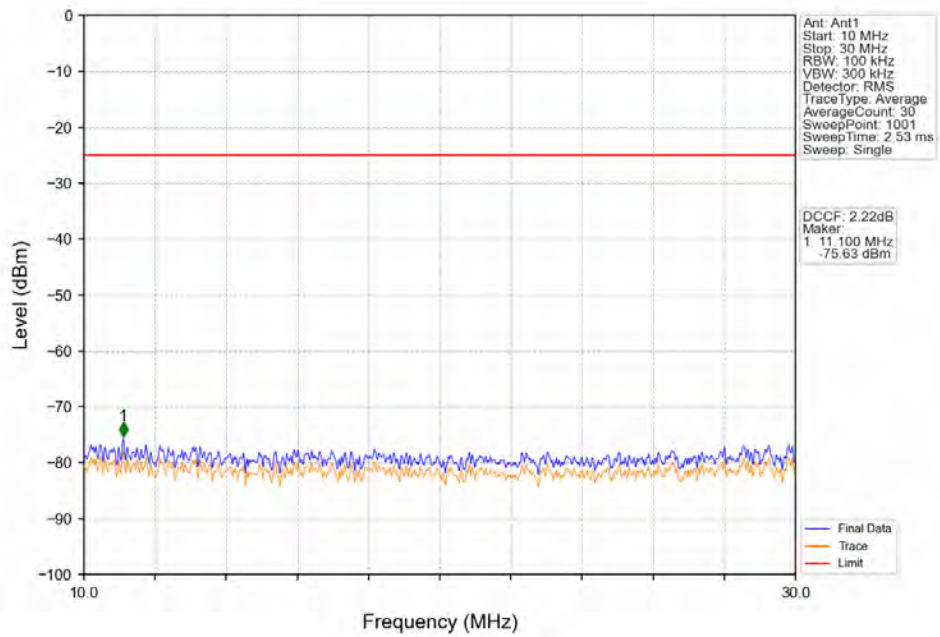
6.2.2 Test Graph



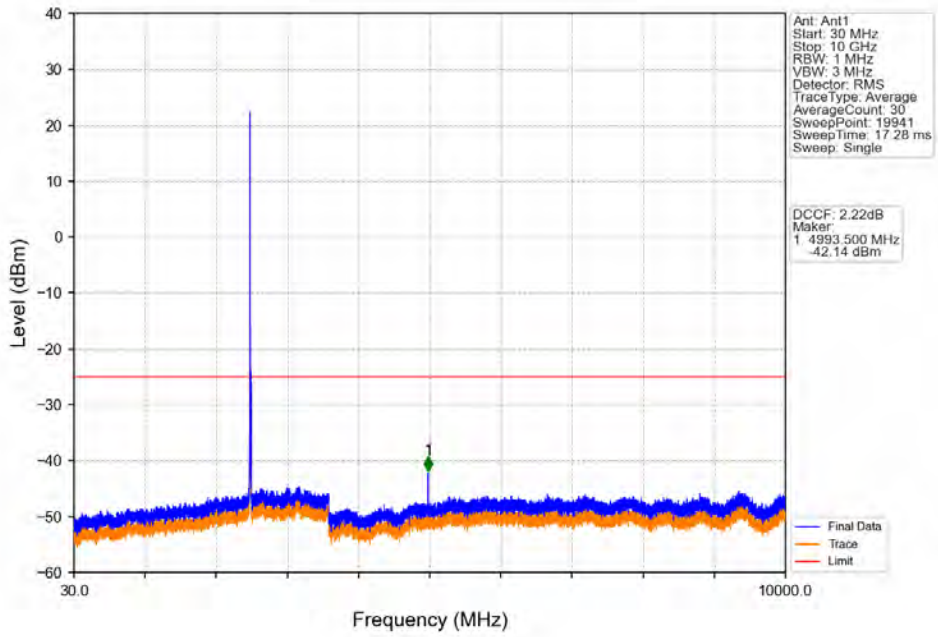
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



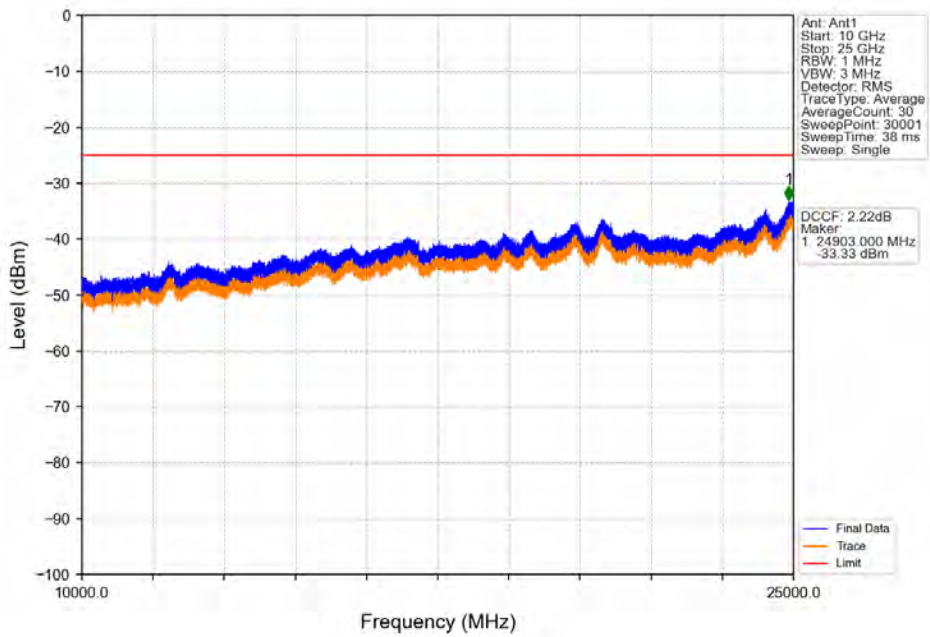
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



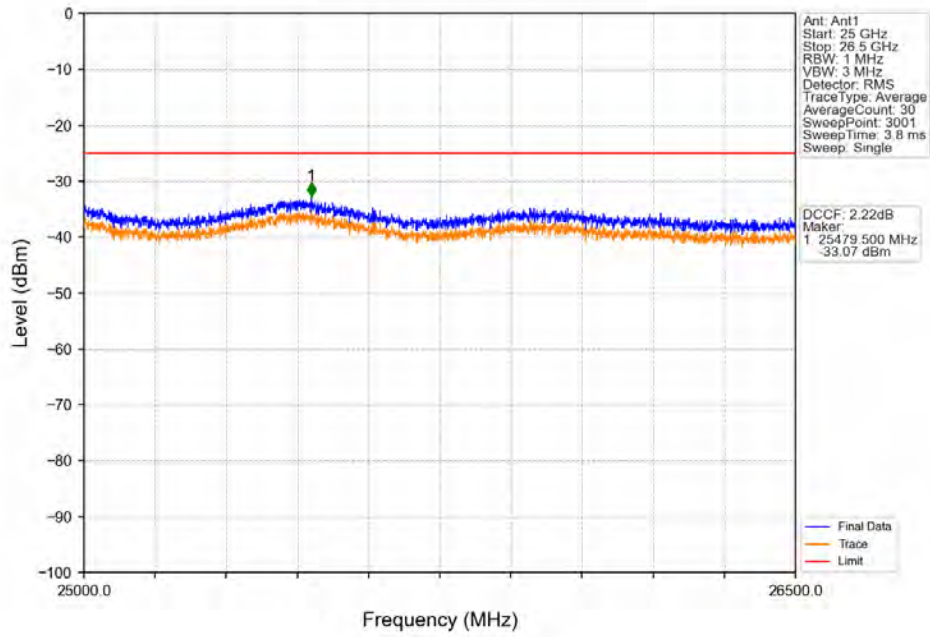
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



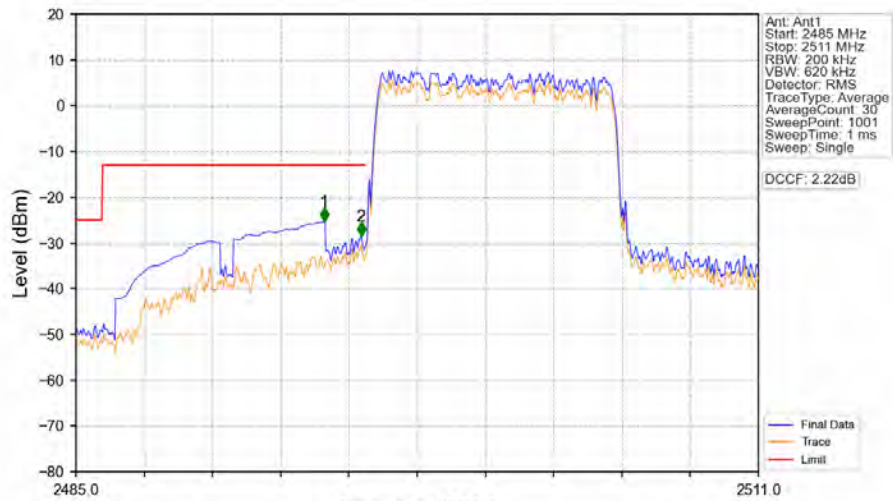
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

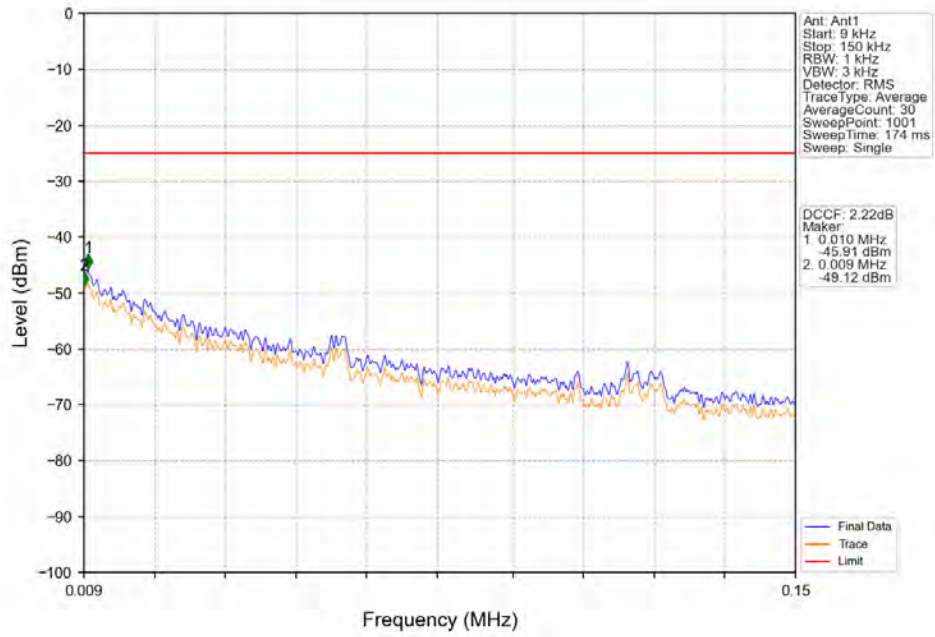


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

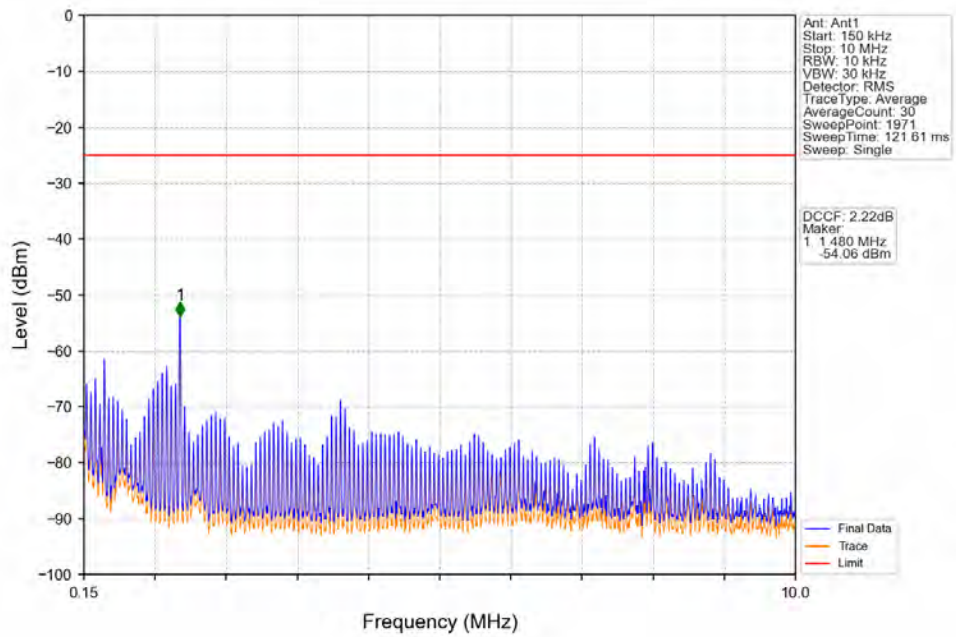


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.464	-25.33	-13	Pass
2495	2496	0.2	/	2	2495.868	-28.51	-13	Pass
2496	2511	0.207	/	/	/	/	/	/

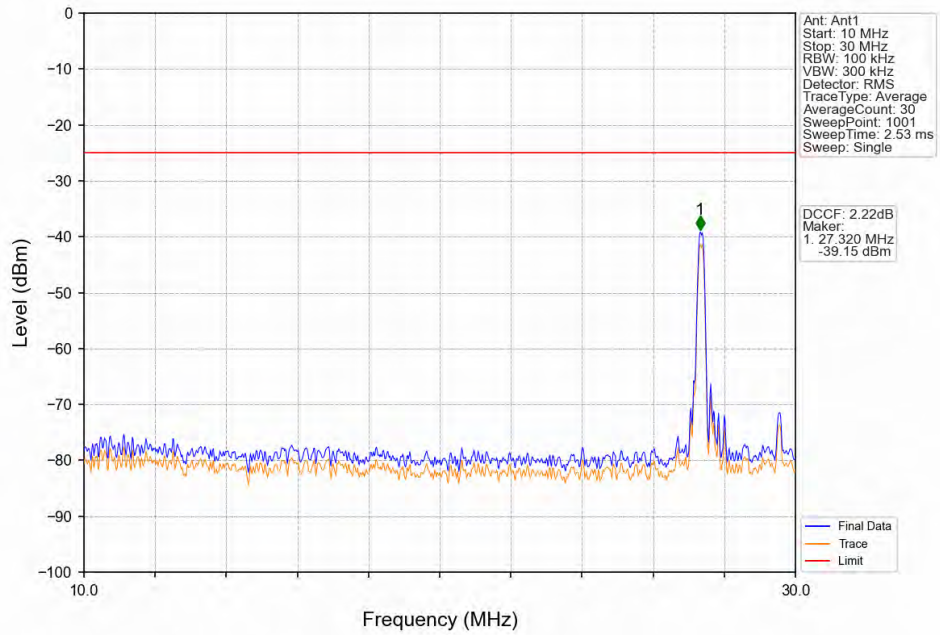
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



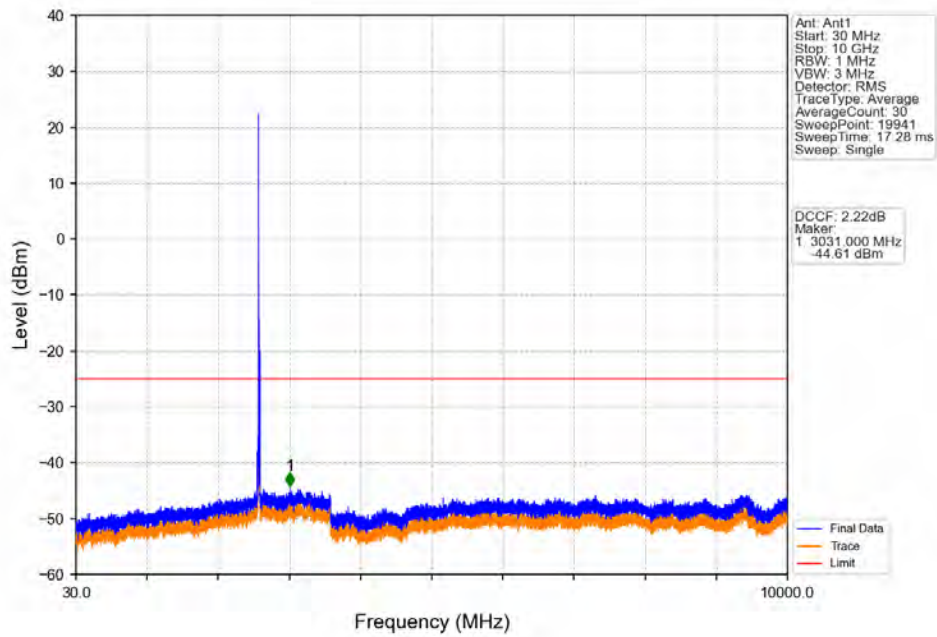
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



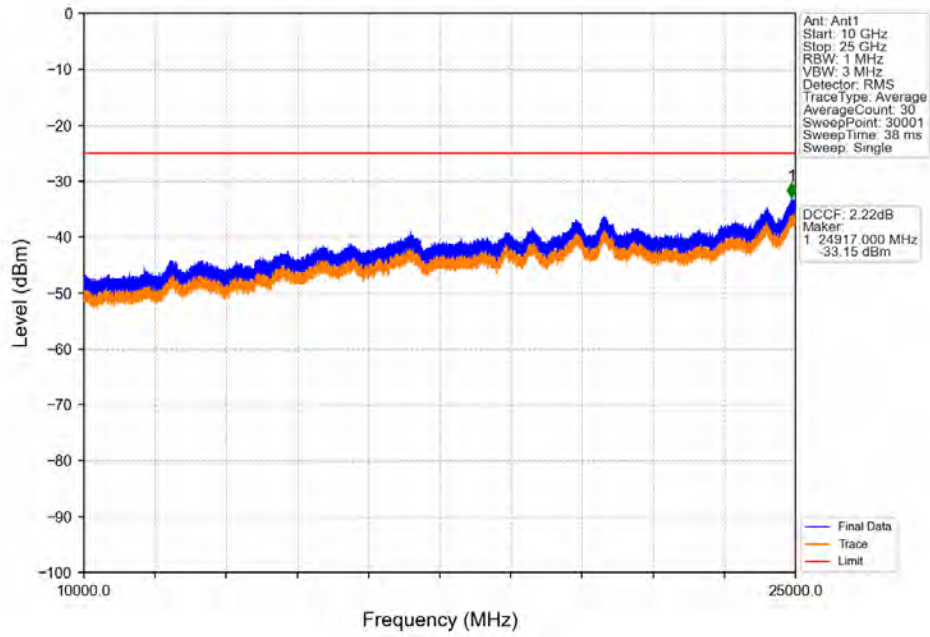
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



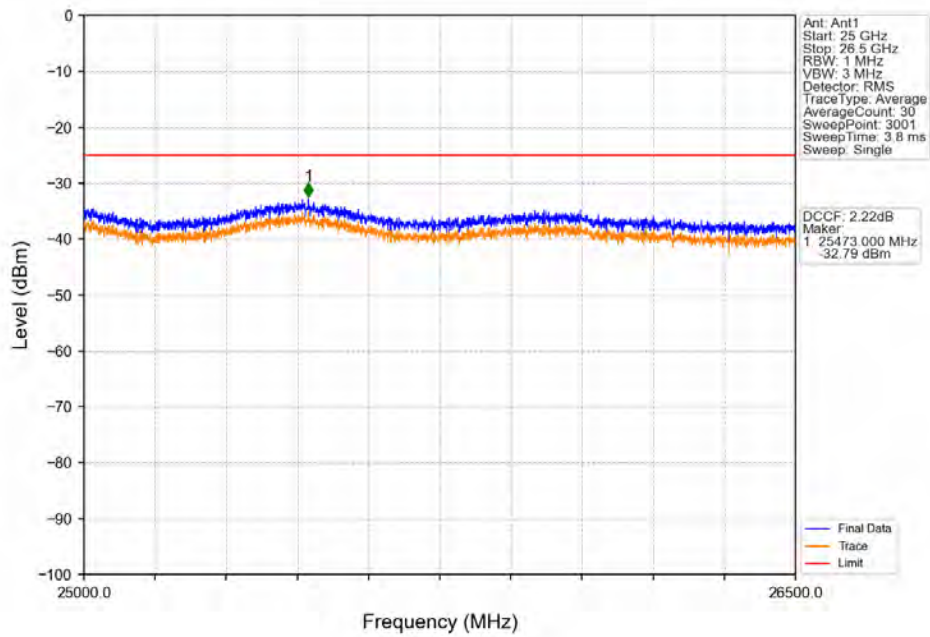
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



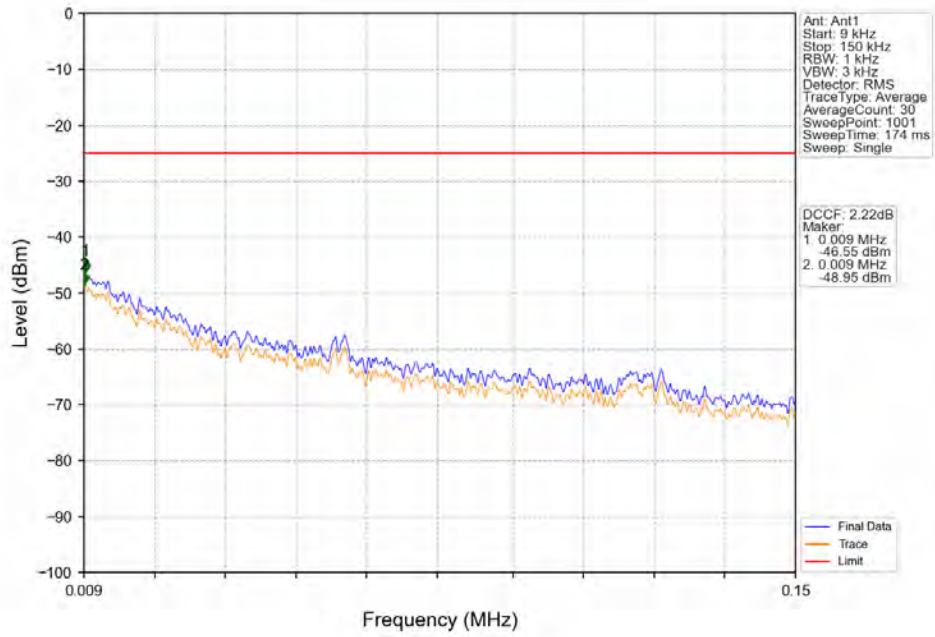
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



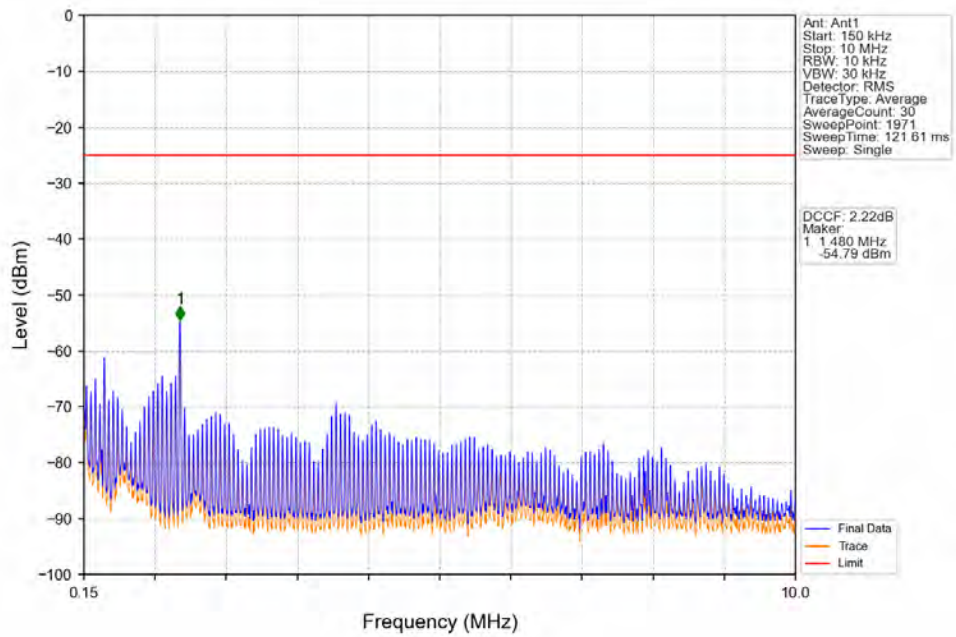
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



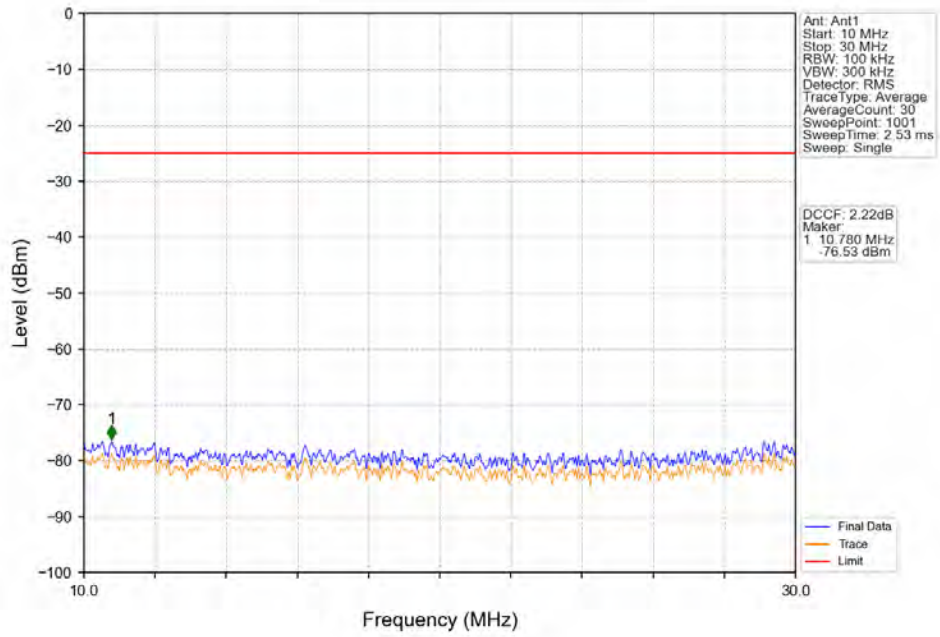
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



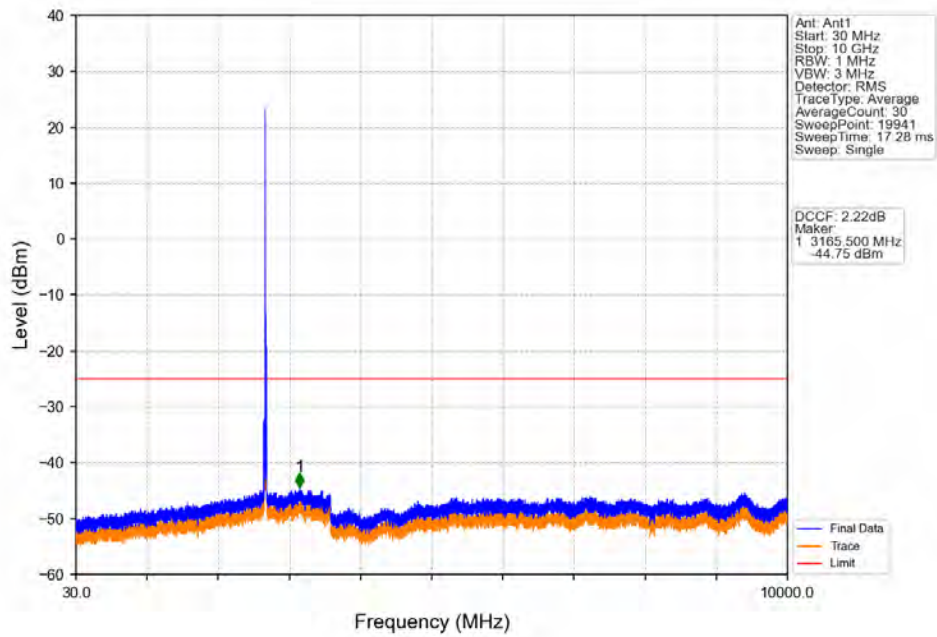
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



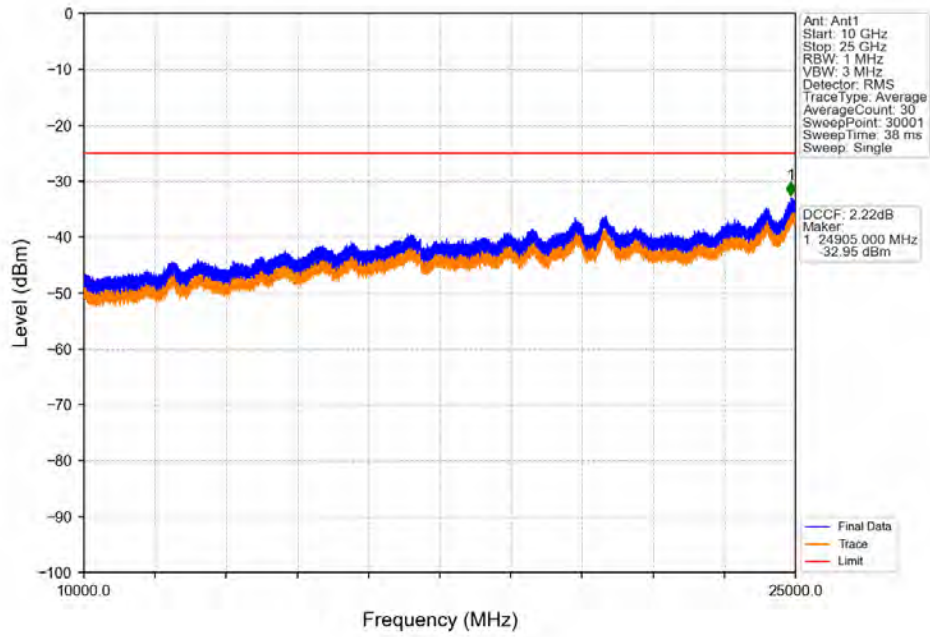
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



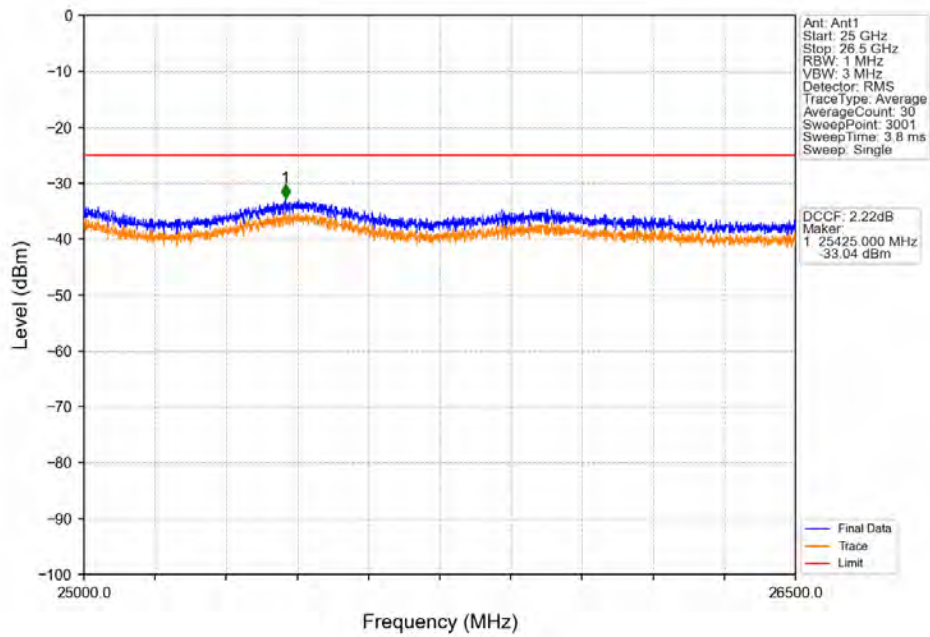
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



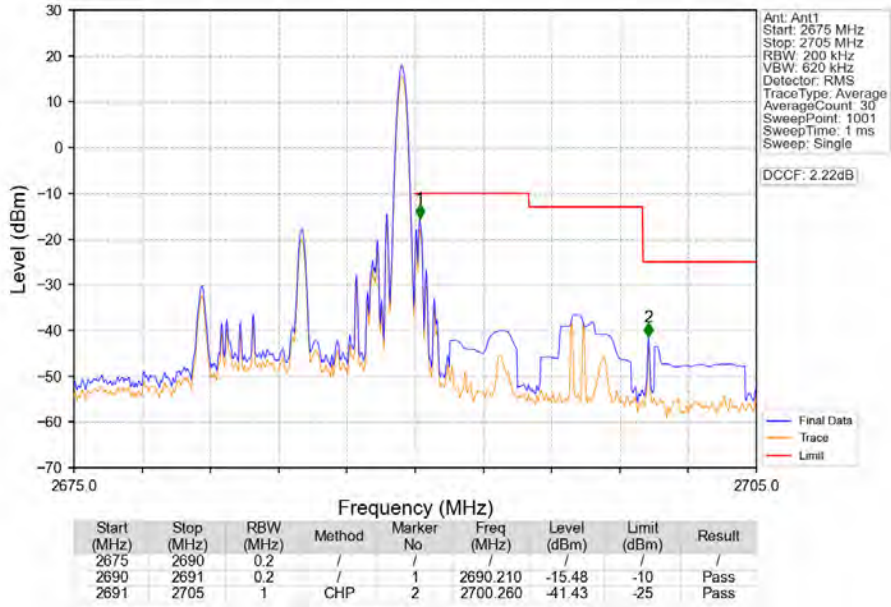
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



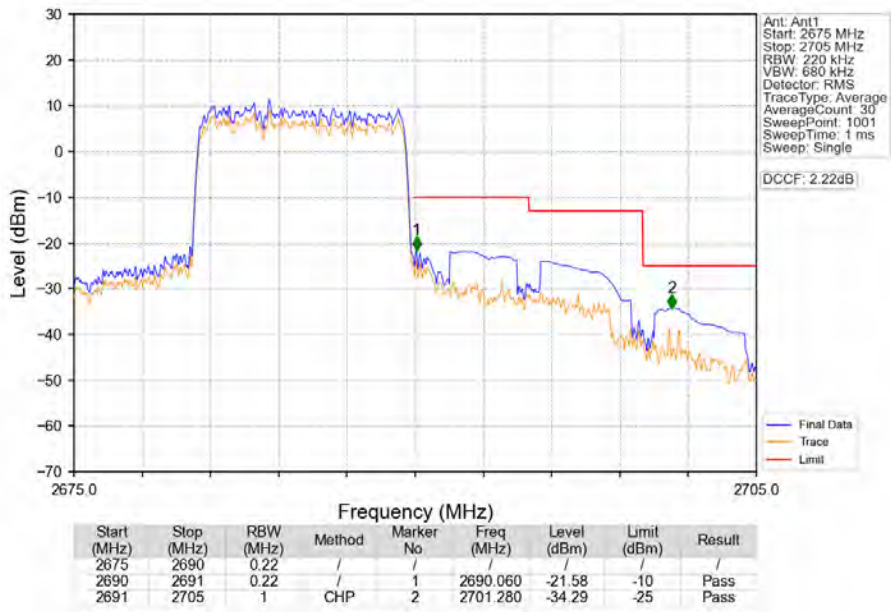
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



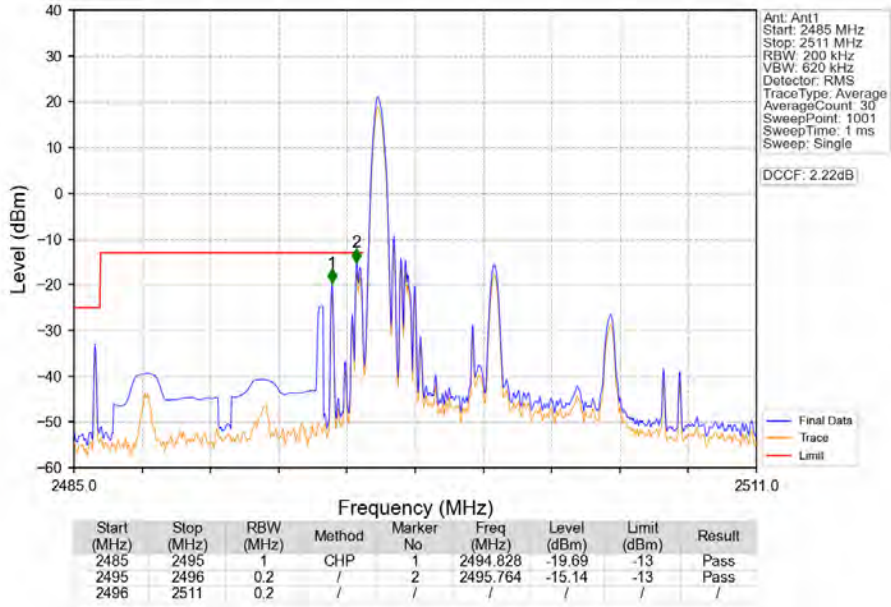
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTV



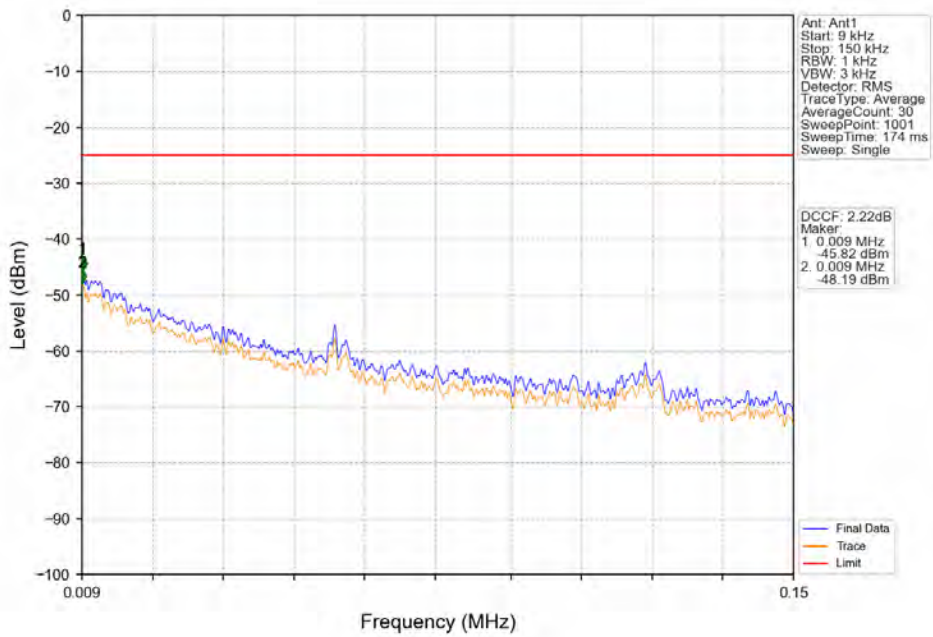
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTV



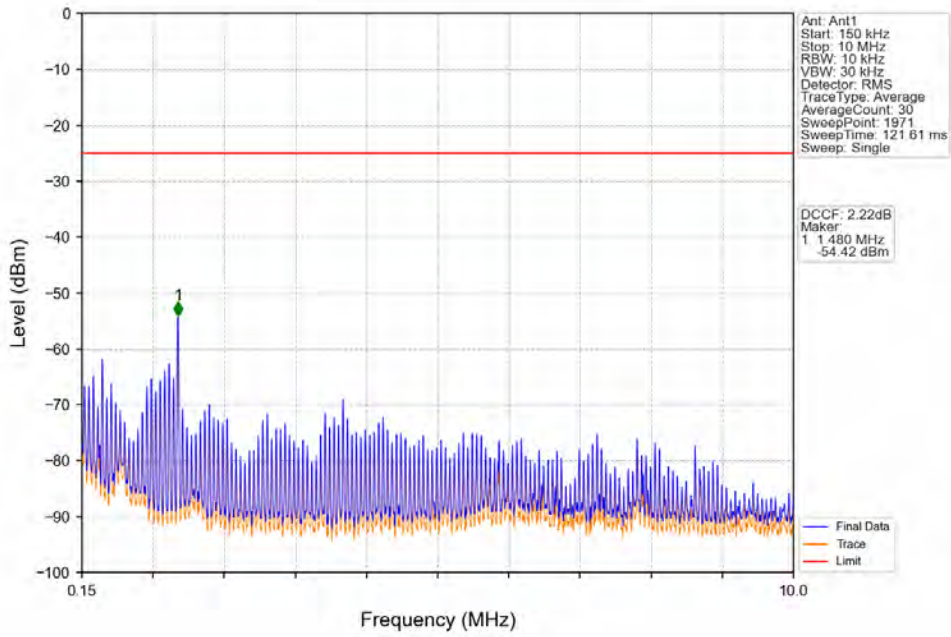
Band41_10MHz_16QAM_LCH_2501MHz_RB_1_0_NTNV



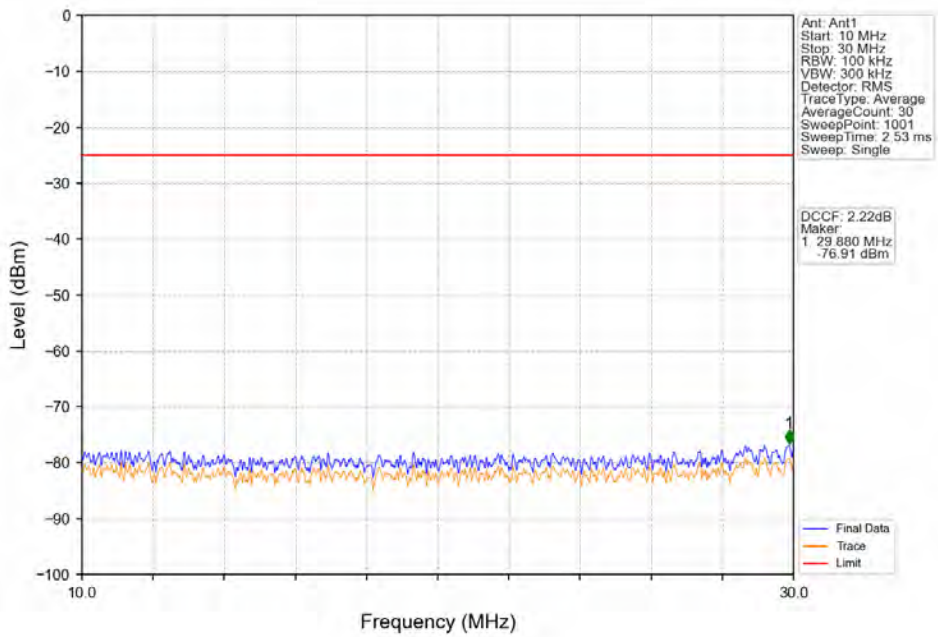
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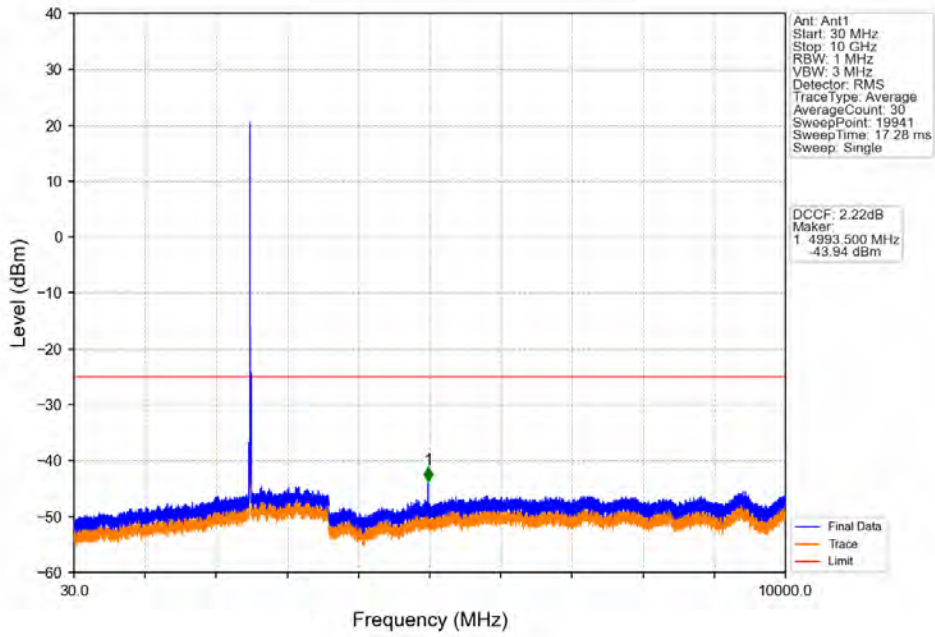
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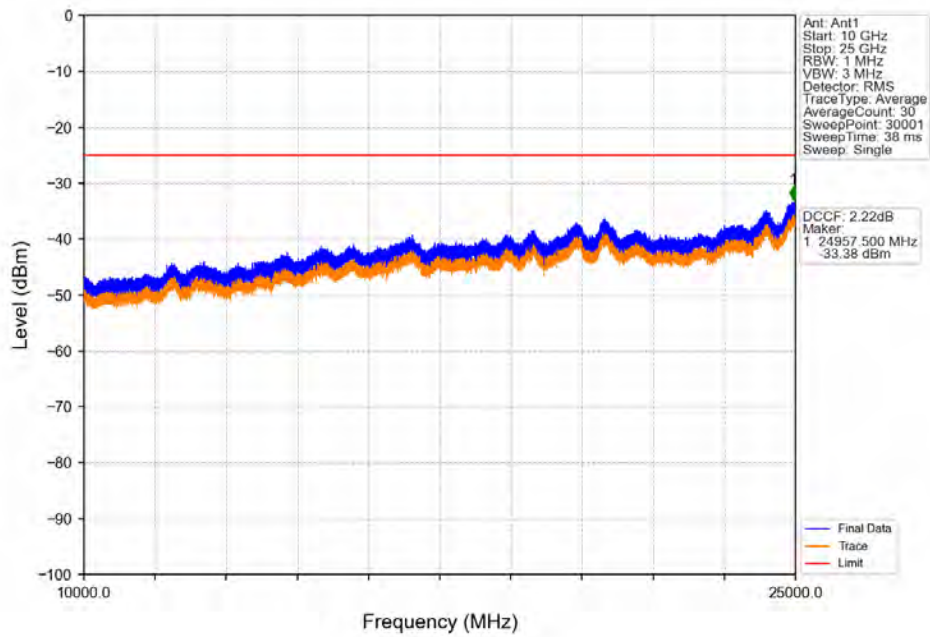
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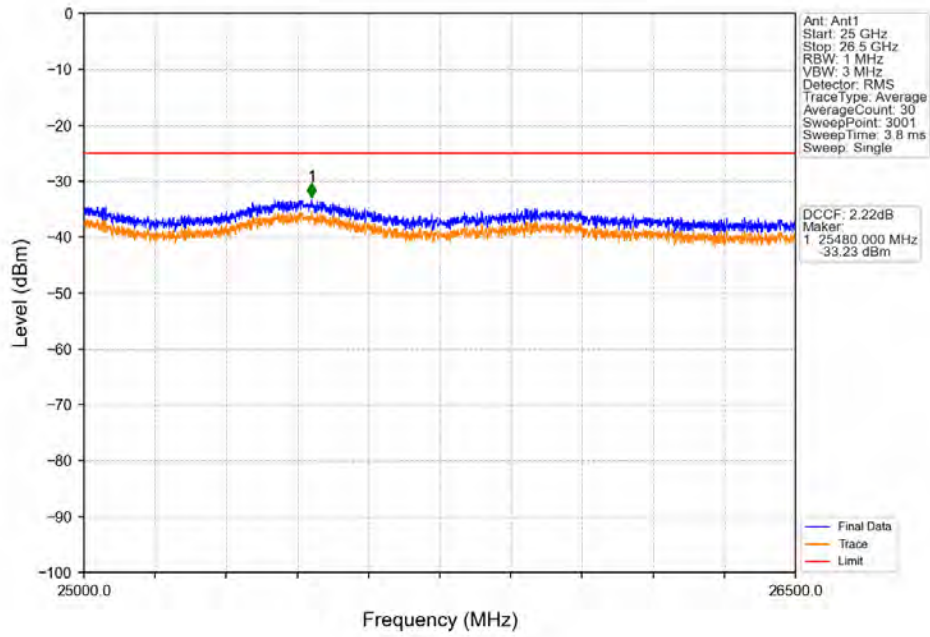
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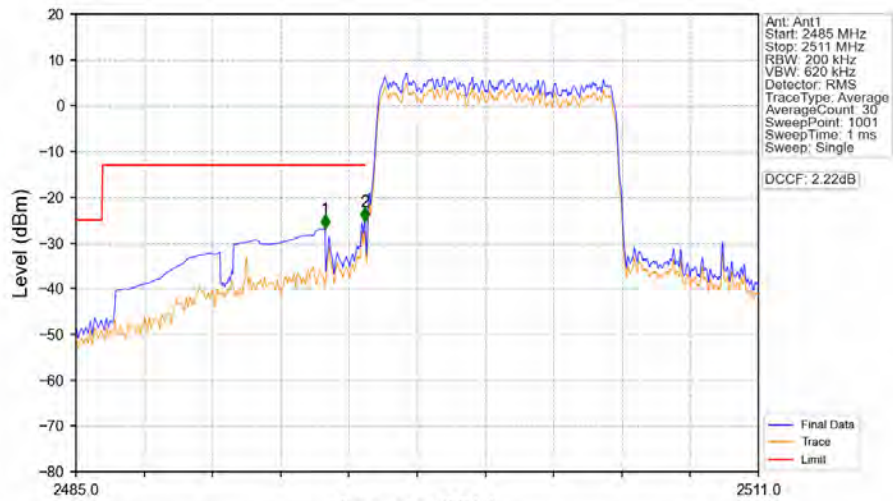
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Band41_10MHz_16QAM_LCH_2501MHz_RB_1_0_NTNV

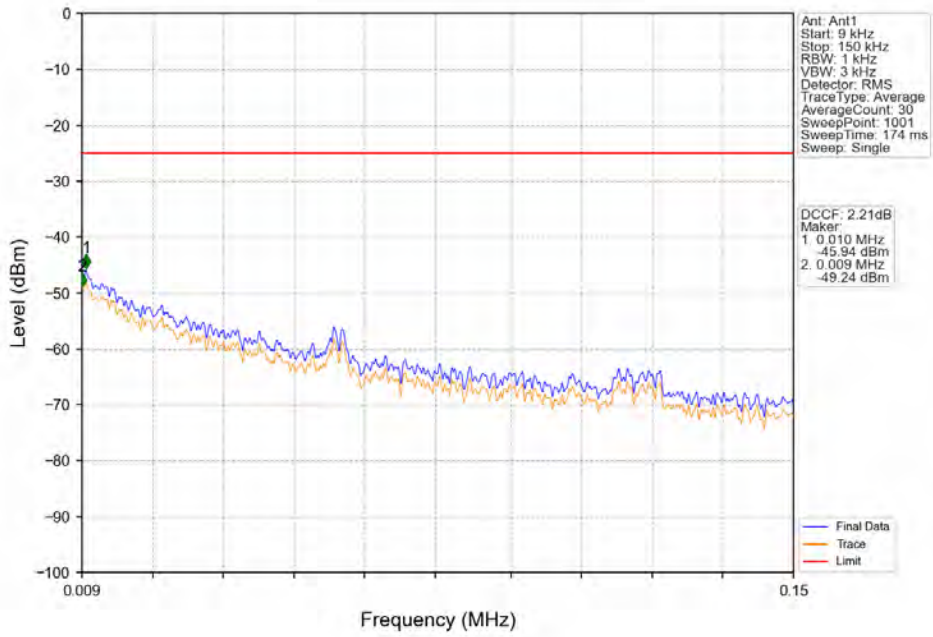


Band41_10MHz_16QAM_LCH_2501MHz_RB_50_0_NTNV

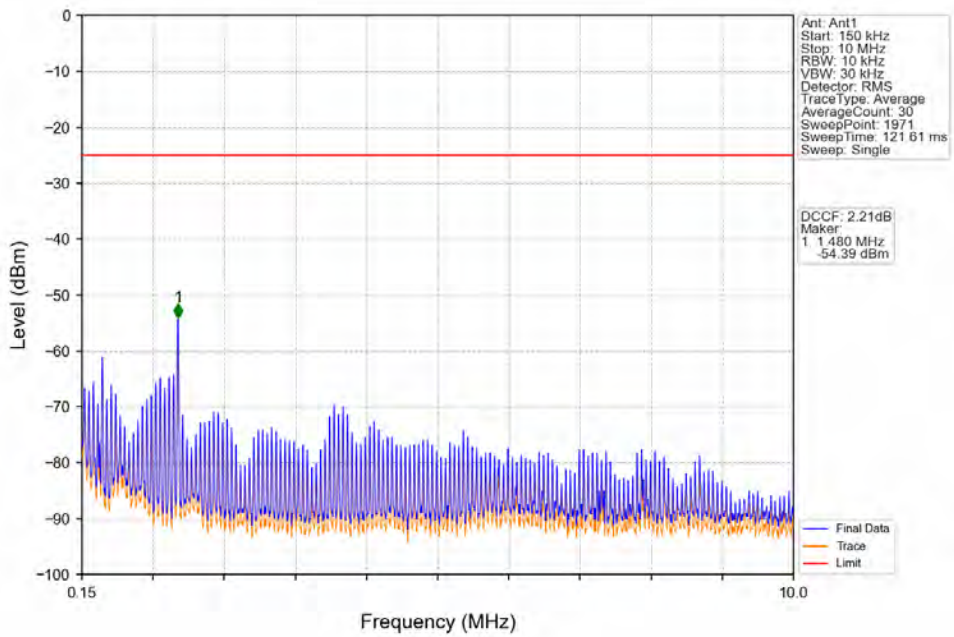


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.490	-26.94	-13	Pass
2495	2496	0.2	/	2	2495.998	-25.27	-13	Pass
2496	2511	0.226	/	/	/	/	/	/

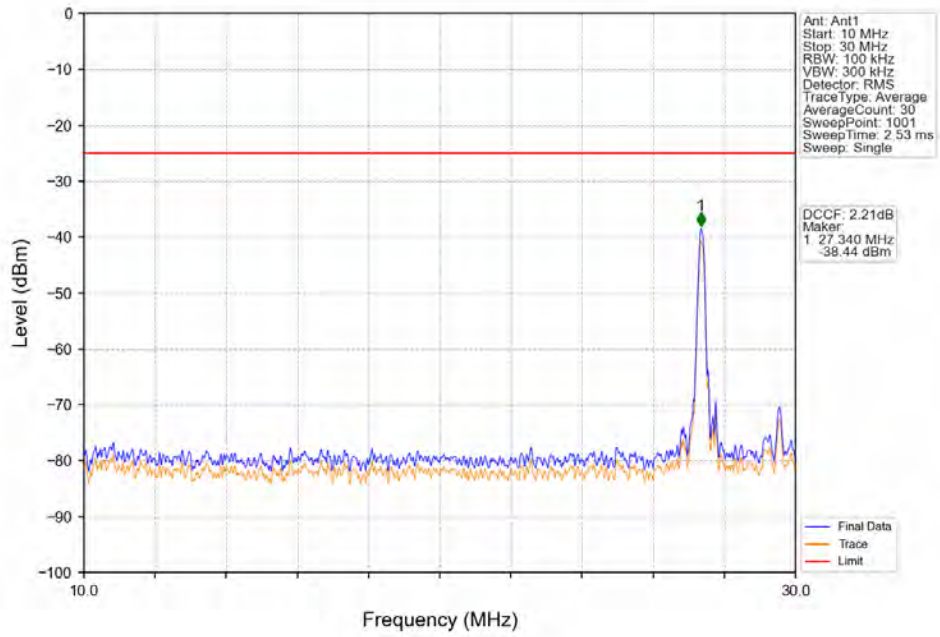
Band41_10MHz_16QAM_MCH_2593MHz_RB_1_0_NTV



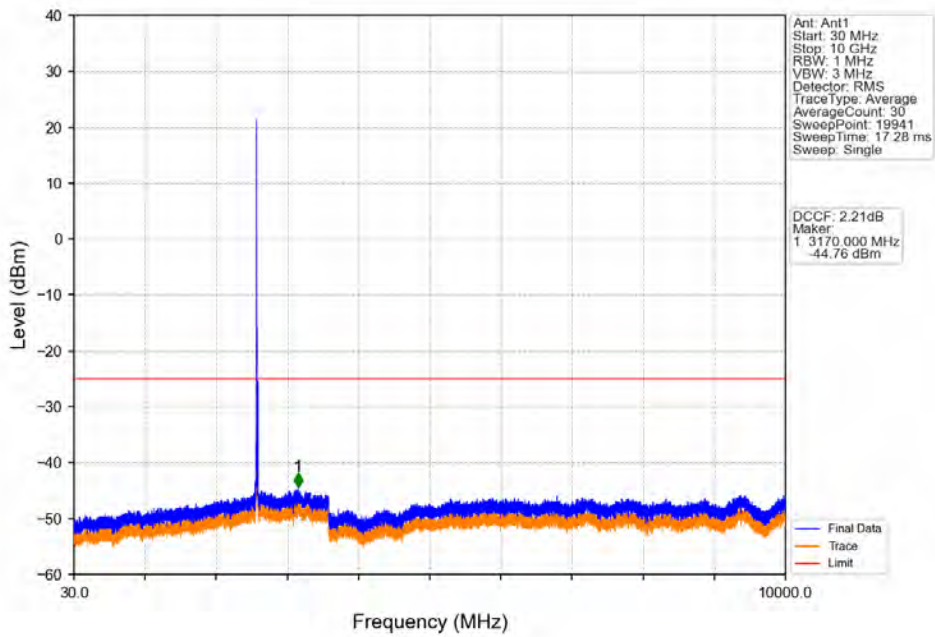
Band41_10MHz_16QAM_MCH_2593MHz_RB_1_0_NTV



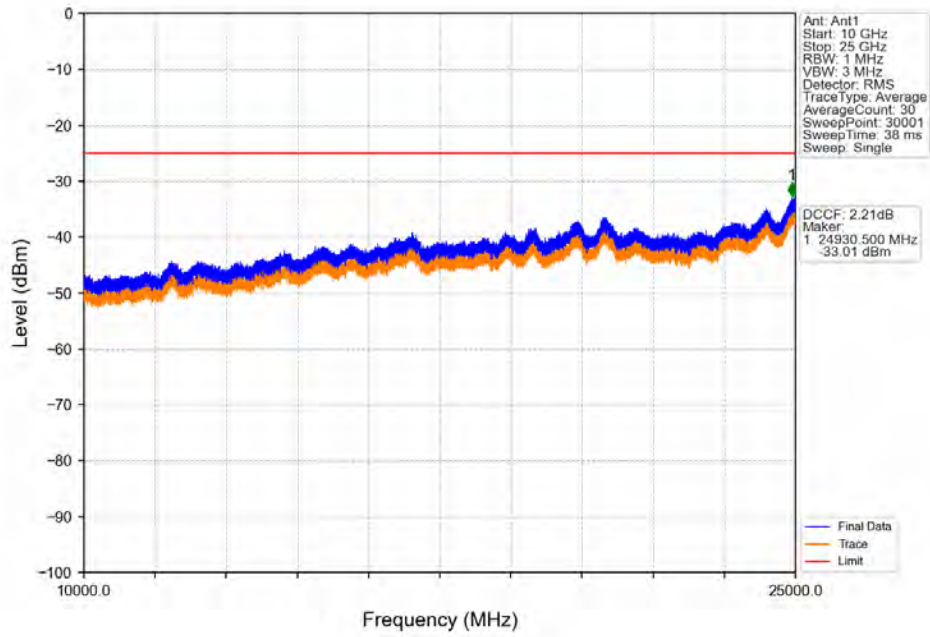
Band41_10MHz_16QAM_MCH_2593MHz_RB_1_0_NTV



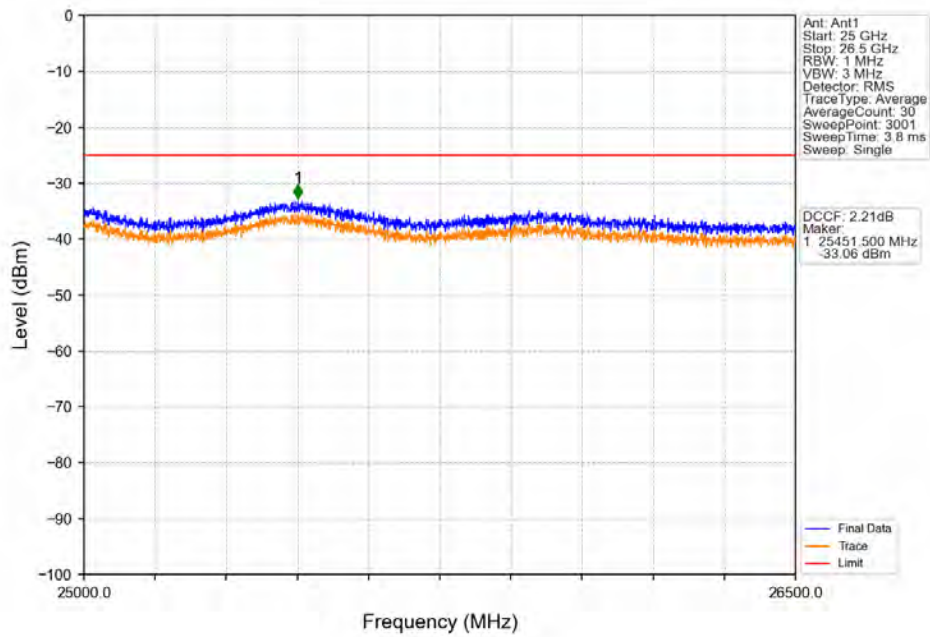
Band41_10MHz_16QAM_MCH_2593MHz_RB_1_0_NTV



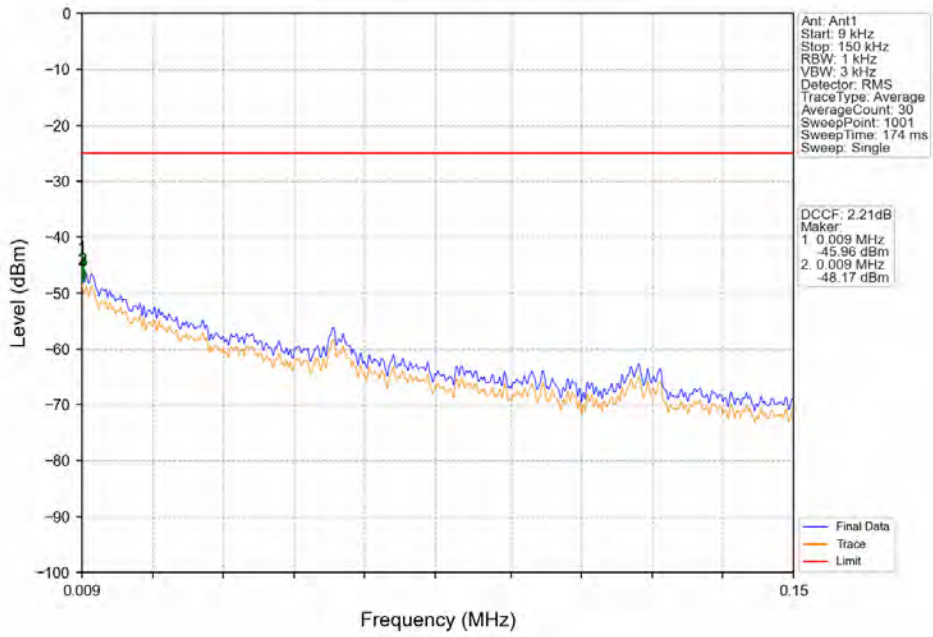
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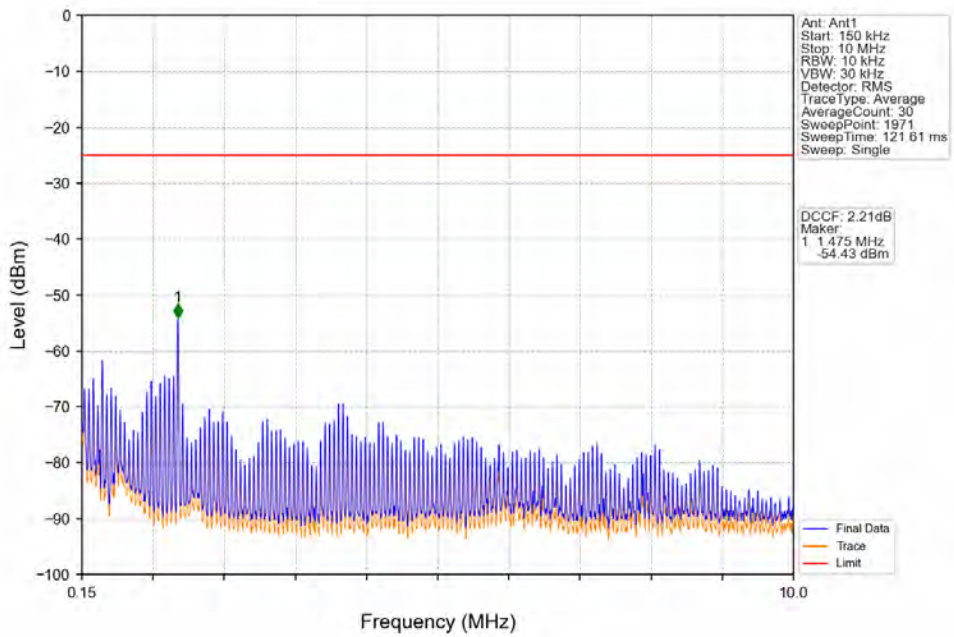
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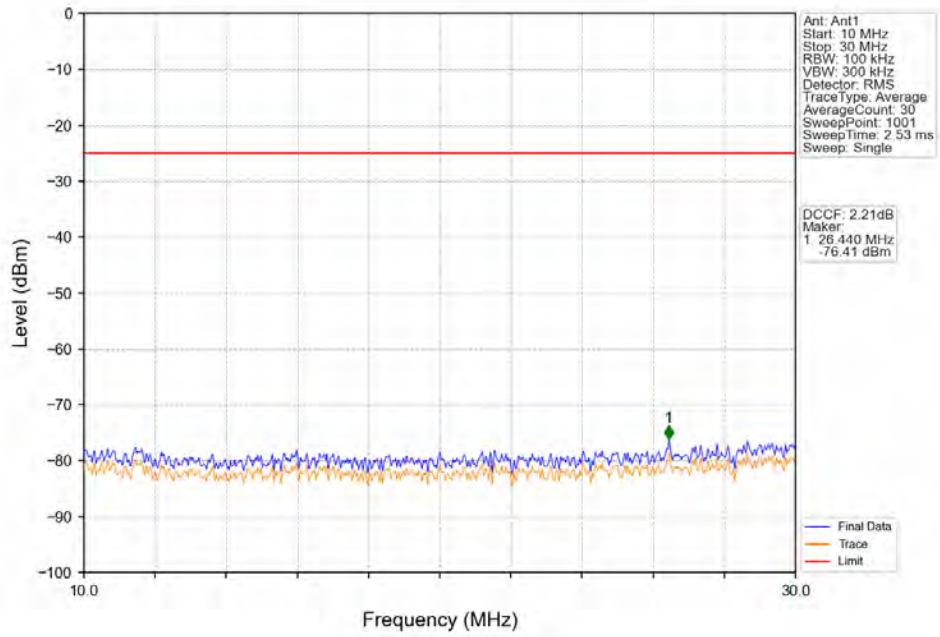
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTV



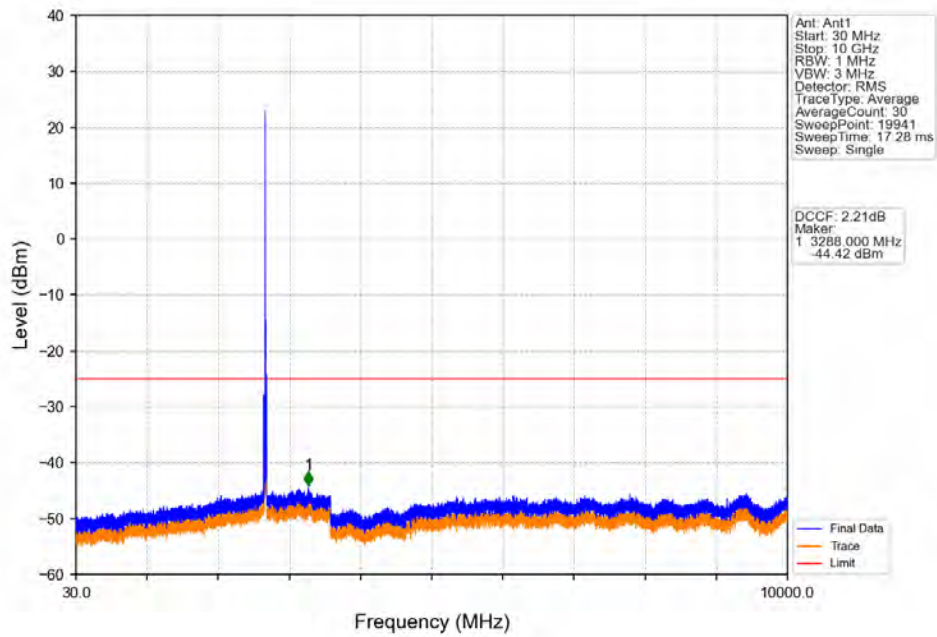
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTV



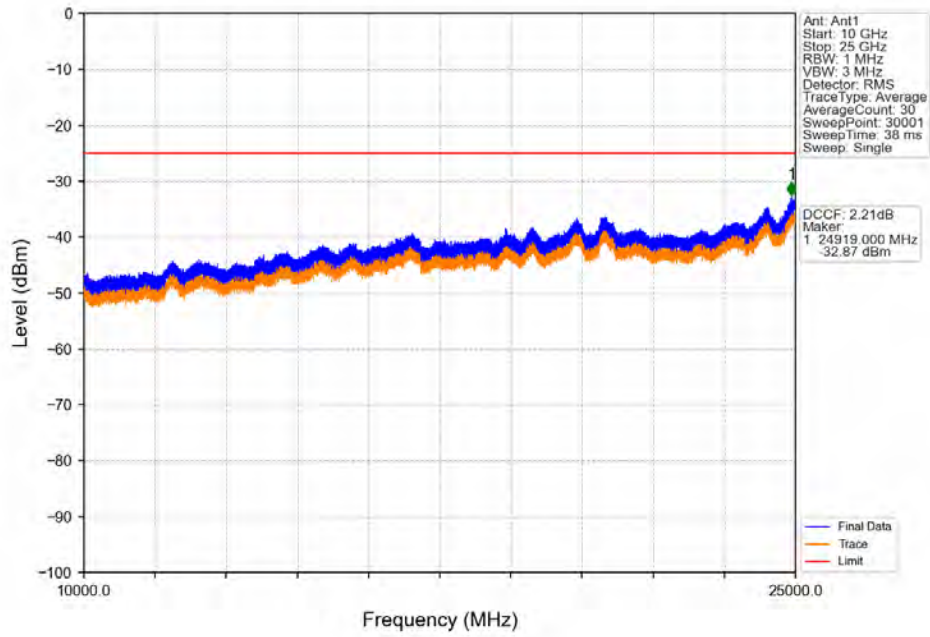
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTV



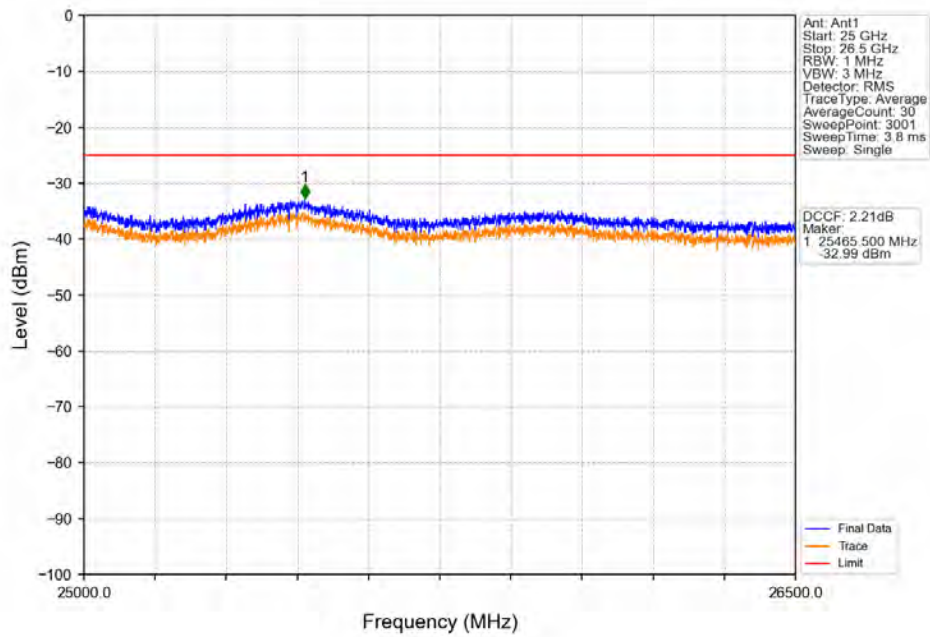
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTV



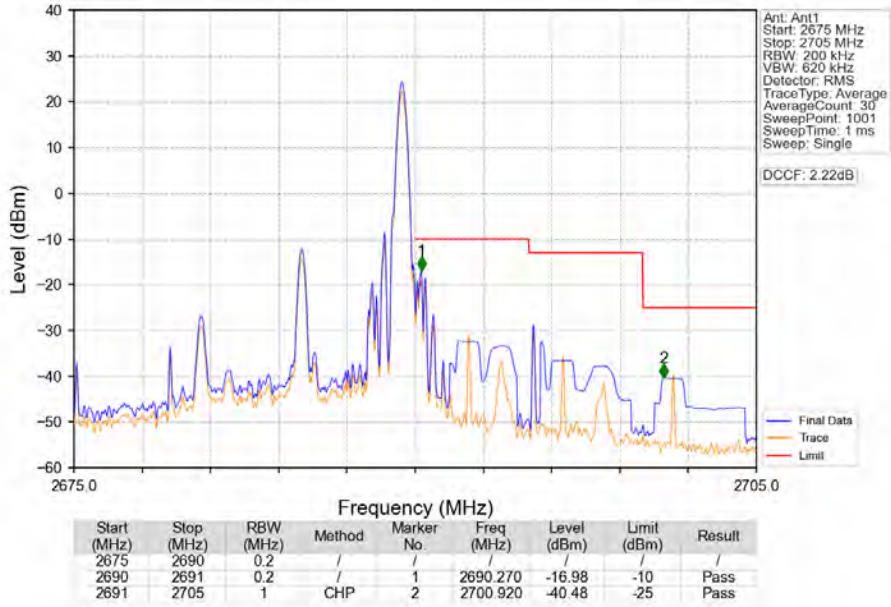
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTNV



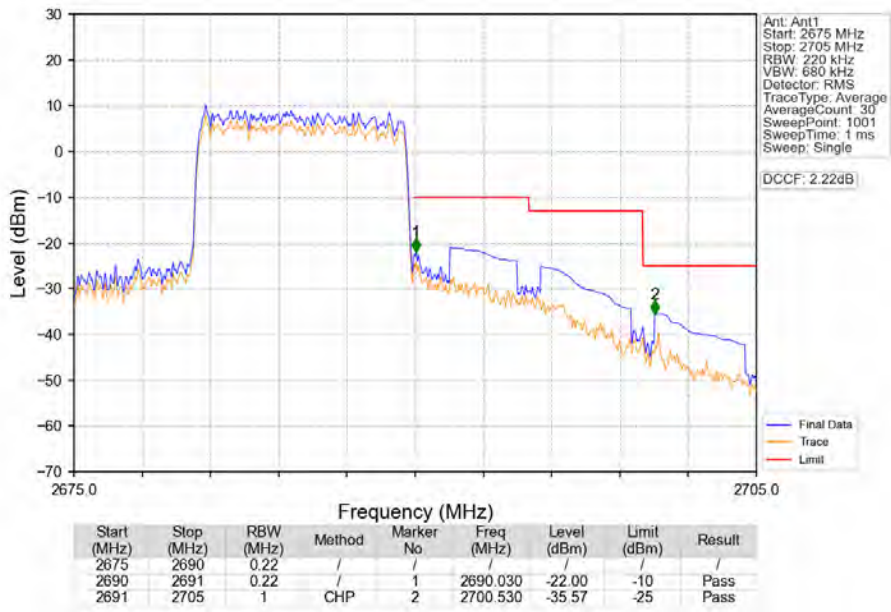
Band41_10MHz_16QAM_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_HCH_2685MHz_RB_1_49_NTNV



Band41_10MHz_16QAM_HCH_2685MHz_RB_50_0_NTNV



6.3 B41_15MHz

6.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass