

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	2557.5	1	0	22.03	-0.59	21.44	<=33.01	Pass
			13	22.06	-0.59	21.47	<=33.01	Pass
			24	22.12	-0.59	21.53	<=33.01	Pass
		12	0	21.52	-0.59	20.93	<=33.01	Pass
			6	21.51	-0.59	20.92	<=33.01	Pass
			13	21.53	-0.59	20.94	<=33.01	Pass
		25	0	21.52	-0.59	20.93	<=33.01	Pass
	2605	1	0	22.13	-0.59	21.54	<=33.01	Pass
			13	22.30	-0.59	21.71	<=33.01	Pass
			24	22.29	-0.59	21.70	<=33.01	Pass
		12	0	21.67	-0.59	21.08	<=33.01	Pass
			6	21.66	-0.59	21.07	<=33.01	Pass
			13	21.61	-0.59	21.02	<=33.01	Pass
		25	0	21.66	-0.59	21.07	<=33.01	Pass
	2652.5	1	0	22.77	-0.59	22.18	<=33.01	Pass
			13	22.82	-0.59	22.23	<=33.01	Pass
			24	22.77	-0.59	22.18	<=33.01	Pass
		12	0	22.28	-0.59	21.69	<=33.01	Pass
			6	22.28	-0.59	21.69	<=33.01	Pass
			13	22.28	-0.59	21.69	<=33.01	Pass
		25	0	22.29	-0.59	21.70	<=33.01	Pass
16QAM	2557.5	1	0	21.06	-0.59	20.47	<=33.01	Pass
			13	21.30	-0.59	20.71	<=33.01	Pass
			24	21.30	-0.59	20.71	<=33.01	Pass
		12	0	20.54	-0.59	19.95	<=33.01	Pass
			6	20.51	-0.59	19.92	<=33.01	Pass
			13	20.48	-0.59	19.89	<=33.01	Pass
		25	0	20.47	-0.59	19.88	<=33.01	Pass
	2605	1	0	21.09	-0.59	20.50	<=33.01	Pass
			13	21.11	-0.59	20.52	<=33.01	Pass
			24	21.19	-0.59	20.60	<=33.01	Pass
		12	0	20.65	-0.59	20.06	<=33.01	Pass
			6	20.60	-0.59	20.01	<=33.01	Pass
			13	20.66	-0.59	20.07	<=33.01	Pass
		25	0	20.60	-0.59	20.01	<=33.01	Pass
	2652.5	1	0	21.78	-0.59	21.19	<=33.01	Pass
			13	21.80	-0.59	21.21	<=33.01	Pass
			24	21.85	-0.59	21.26	<=33.01	Pass
		12	0	21.29	-0.59	20.70	<=33.01	Pass
			6	21.27	-0.59	20.68	<=33.01	Pass
			13	21.32	-0.59	20.73	<=33.01	Pass
		25	0	21.29	-0.59	20.70	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.2 B41_10MHz_EIRP

Band: 41 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2560	1	0	22.02	-0.59	21.43	<=33.01	Pass
			25	21.95	-0.59	21.36	<=33.01	Pass
			49	22.02	-0.59	21.43	<=33.01	Pass
		25	0	21.46	-0.59	20.87	<=33.01	Pass
			13	21.50	-0.59	20.91	<=33.01	Pass
			25	21.47	-0.59	20.88	<=33.01	Pass
		50	0	21.51	-0.59	20.92	<=33.01	Pass
	2605	1	0	22.01	-0.59	21.42	<=33.01	Pass
			25	22.13	-0.59	21.54	<=33.01	Pass
			49	22.23	-0.59	21.64	<=33.01	Pass
		25	0	21.57	-0.59	20.98	<=33.01	Pass
			13	21.61	-0.59	21.02	<=33.01	Pass
			25	21.63	-0.59	21.04	<=33.01	Pass
		50	0	21.66	-0.59	21.07	<=33.01	Pass
	2650	1	0	22.73	-0.59	22.14	<=33.01	Pass
			25	22.81	-0.59	22.22	<=33.01	Pass
			49	22.88	-0.59	22.29	<=33.01	Pass
		25	0	22.20	-0.59	21.61	<=33.01	Pass
			13	22.26	-0.59	21.67	<=33.01	Pass
			25	22.29	-0.59	21.70	<=33.01	Pass
		50	0	22.28	-0.59	21.69	<=33.01	Pass
16QAM	2560	1	0	20.89	-0.59	20.30	<=33.01	Pass
			25	20.72	-0.59	20.13	<=33.01	Pass
			49	20.93	-0.59	20.34	<=33.01	Pass
		25	0	20.46	-0.59	19.87	<=33.01	Pass
			13	20.43	-0.59	19.84	<=33.01	Pass
			25	20.51	-0.59	19.92	<=33.01	Pass
		50	0	20.48	-0.59	19.89	<=33.01	Pass
	2605	1	0	20.89	-0.59	20.30	<=33.01	Pass
			25	20.99	-0.59	20.40	<=33.01	Pass
			49	21.05	-0.59	20.46	<=33.01	Pass
		25	0	20.63	-0.59	20.04	<=33.01	Pass
			13	20.68	-0.59	20.09	<=33.01	Pass
			25	20.65	-0.59	20.06	<=33.01	Pass
		50	0	20.59	-0.59	20.00	<=33.01	Pass
	2650	1	0	21.78	-0.59	21.19	<=33.01	Pass
			25	21.83	-0.59	21.24	<=33.01	Pass
			49	21.91	-0.59	21.32	<=33.01	Pass
		25	0	21.23	-0.59	20.64	<=33.01	Pass
			13	21.29	-0.59	20.70	<=33.01	Pass
			25	21.33	-0.59	20.74	<=33.01	Pass
		50	0	21.25	-0.59	20.66	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2562.5	1	0	22.26	-0.59	21.67	<=33.01	Pass
			38	22.09	-0.59	21.50	<=33.01	Pass
			74	21.88	-0.59	21.29	<=33.01	Pass
		36	0	21.39	-0.59	20.80	<=33.01	Pass
			18	21.45	-0.59	20.86	<=33.01	Pass

16QAM			39	21.51	-0.59	20.92	<=33.01	Pass
		75	0	21.48	-0.59	20.89	<=33.01	Pass
	2605	1	0	21.97	-0.59	21.38	<=33.01	Pass
			38	22.08	-0.59	21.49	<=33.01	Pass
			74	22.14	-0.59	21.55	<=33.01	Pass
			0	21.54	-0.59	20.95	<=33.01	Pass
		36	18	21.58	-0.59	20.99	<=33.01	Pass
			39	21.63	-0.59	21.04	<=33.01	Pass
			75	21.61	-0.59	21.02	<=33.01	Pass
	2647.5	1	0	22.62	-0.59	22.03	<=33.01	Pass
			38	22.75	-0.59	22.16	<=33.01	Pass
			74	22.77	-0.59	22.18	<=33.01	Pass
			0	22.10	-0.59	21.51	<=33.01	Pass
		36	18	22.17	-0.59	21.58	<=33.01	Pass
			39	22.18	-0.59	21.59	<=33.01	Pass
			75	22.17	-0.59	21.58	<=33.01	Pass
16QAM	2562.5	1	0	20.95	-0.59	20.36	<=33.01	Pass
			38	20.78	-0.59	20.19	<=33.01	Pass
			74	21.32	-0.59	20.73	<=33.01	Pass
			0	20.52	-0.59	19.93	<=33.01	Pass
		36	18	20.54	-0.59	19.95	<=33.01	Pass
			39	20.45	-0.59	19.86	<=33.01	Pass
			75	20.47	-0.59	19.88	<=33.01	Pass
	2605	1	0	20.83	-0.59	20.24	<=33.01	Pass
			38	20.99	-0.59	20.40	<=33.01	Pass
			74	20.98	-0.59	20.39	<=33.01	Pass
			0	20.52	-0.59	19.93	<=33.01	Pass
		36	18	20.59	-0.59	20.00	<=33.01	Pass
			39	20.61	-0.59	20.02	<=33.01	Pass
			75	20.62	-0.59	20.03	<=33.01	Pass
	2647.5	1	0	21.42	-0.59	20.83	<=33.01	Pass
			38	21.54	-0.59	20.95	<=33.01	Pass
			74	21.79	-0.59	21.20	<=33.01	Pass
			0	21.13	-0.59	20.54	<=33.01	Pass
		36	18	21.17	-0.59	20.58	<=33.01	Pass
			39	21.20	-0.59	20.61	<=33.01	Pass
			75	21.20	-0.59	20.61	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

1.1.4 B41_20MHz_EIRP

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2565	1	0	22.30	-0.59	21.71	<=33.01	Pass
			50	22.43	-0.59	21.84	<=33.01	Pass
			99	22.22	-0.59	21.63	<=33.01	Pass
		50	0	21.47	-0.59	20.88	<=33.01	Pass
			25	21.51	-0.59	20.92	<=33.01	Pass
			50	21.52	-0.59	20.93	<=33.01	Pass
		100	0	21.48	-0.59	20.89	<=33.01	Pass
	2605	1	0	21.98	-0.59	21.39	<=33.01	Pass
			50	22.22	-0.59	21.63	<=33.01	Pass
			99	22.03	-0.59	21.44	<=33.01	Pass
		50	0	21.57	-0.59	20.98	<=33.01	Pass
			25	21.63	-0.59	21.04	<=33.01	Pass
			50	21.68	-0.59	21.09	<=33.01	Pass
		100	0	21.61	-0.59	21.02	<=33.01	Pass



16QAM	2645	1	0	22.46	-0.59	21.87	<=33.01	Pass	
			50	22.72	-0.59	22.13	<=33.01	Pass	
			99	22.72	-0.59	22.13	<=33.01	Pass	
		50	0	22.16	-0.59	21.57	<=33.01	Pass	
			25	22.20	-0.59	21.61	<=33.01	Pass	
			50	22.22	-0.59	21.63	<=33.01	Pass	
		100	0	22.16	-0.59	21.57	<=33.01	Pass	
	2565	1	0	21.07	-0.59	20.48	<=33.01	Pass	
			50	20.67	-0.59	20.08	<=33.01	Pass	
			99	20.63	-0.59	20.04	<=33.01	Pass	
		50	0	20.54	-0.59	19.95	<=33.01	Pass	
			25	20.45	-0.59	19.86	<=33.01	Pass	
			50	20.50	-0.59	19.91	<=33.01	Pass	
		100	0	20.49	-0.59	19.90	<=33.01	Pass	
		2605	1	0	21.07	-0.59	20.48	<=33.01	Pass
				50	20.86	-0.59	20.27	<=33.01	Pass
				99	20.86	-0.59	20.27	<=33.01	Pass
	50		0	20.48	-0.59	19.89	<=33.01	Pass	
			25	20.63	-0.59	20.04	<=33.01	Pass	
			50	20.67	-0.59	20.08	<=33.01	Pass	
	100	0	20.62	-0.59	20.03	<=33.01	Pass		
	2645	1	0	21.39	-0.59	20.80	<=33.01	Pass	
			50	21.66	-0.59	21.07	<=33.01	Pass	
			99	21.61	-0.59	21.02	<=33.01	Pass	
		50	0	21.10	-0.59	20.51	<=33.01	Pass	
			25	21.20	-0.59	20.61	<=33.01	Pass	
			50	21.23	-0.59	20.64	<=33.01	Pass	
		100	0	21.14	-0.59	20.55	<=33.01	Pass	
Note1: EIRP=Conducted Power+Antenna Gain									

2. Frequency Stability

2.1 Test Result

2.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2557.5	25	0	20	3.27	3.905	0.0015	-2.5 to 2.5	Pass
					3.85	3.376	0.0013	-2.5 to 2.5	Pass
					4.43	7.939	0.0031	-2.5 to 2.5	Pass
				-30	3.85	5.708	0.0022	-2.5 to 2.5	Pass
				-20	3.85	-5.965	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	-7.081	-0.0028	-2.5 to 2.5	Pass
				0	3.85	10.128	0.0040	-2.5 to 2.5	Pass
				10	3.85	-0.358	-0.0001	-2.5 to 2.5	Pass
				30	3.85	6.180	0.0024	-2.5 to 2.5	Pass
				40	3.85	-9.284	-0.0036	-2.5 to 2.5	Pass
				50	3.85	-7.195	-0.0028	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	5.293	0.0020	-2.5 to 2.5	Pass
					3.85	1.431	0.0005	-2.5 to 2.5	Pass
					4.43	12.302	0.0047	-2.5 to 2.5	Pass
				-30	3.85	-9.556	-0.0037	-2.5 to 2.5	Pass
				-20	3.85	4.406	0.0017	-2.5 to 2.5	Pass
				-10	3.85	1.874	0.0007	-2.5 to 2.5	Pass



				0	3.85	-4.449	-0.0017	-2.5 to 2.5	Pass
				10	3.85	11.644	0.0045	-2.5 to 2.5	Pass
				30	3.85	-7.639	-0.0029	-2.5 to 2.5	Pass
				40	3.85	5.651	0.0022	-2.5 to 2.5	Pass
				50	3.85	-4.063	-0.0016	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	0.100	0.0000	-2.5 to 2.5	Pass
					3.85	-4.306	-0.0016	-2.5 to 2.5	Pass
					4.43	7.982	0.0030	-2.5 to 2.5	Pass
				-30	3.85	10.843	0.0041	-2.5 to 2.5	Pass
				-20	3.85	8.740	0.0033	-2.5 to 2.5	Pass
				-10	3.85	-6.022	-0.0023	-2.5 to 2.5	Pass
				0	3.85	3.190	0.0012	-2.5 to 2.5	Pass
				10	3.85	13.175	0.0050	-2.5 to 2.5	Pass
				30	3.85	-4.163	-0.0016	-2.5 to 2.5	Pass
				40	3.85	1.445	0.0005	-2.5 to 2.5	Pass
				50	3.85	-6.580	-0.0025	-2.5 to 2.5	Pass
16QAM	2557.5	25	0	20	3.27	2.360	0.0009	-2.5 to 2.5	Pass
					3.85	2.475	0.0010	-2.5 to 2.5	Pass
					4.43	-1.287	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	1.731	0.0007	-2.5 to 2.5	Pass
				-20	3.85	-5.922	-0.0023	-2.5 to 2.5	Pass
				-10	3.85	0.243	0.0001	-2.5 to 2.5	Pass
				0	3.85	5.407	0.0021	-2.5 to 2.5	Pass
				10	3.85	3.476	0.0014	-2.5 to 2.5	Pass
				30	3.85	-6.852	-0.0027	-2.5 to 2.5	Pass
				40	3.85	-1.173	-0.0005	-2.5 to 2.5	Pass
				50	3.85	1.316	0.0005	-2.5 to 2.5	Pass
	2605	25	0	20	3.27	11.158	0.0043	-2.5 to 2.5	Pass
					3.85	10.958	0.0042	-2.5 to 2.5	Pass
					4.43	7.296	0.0028	-2.5 to 2.5	Pass
				-30	3.85	4.048	0.0016	-2.5 to 2.5	Pass
				-20	3.85	-3.362	-0.0013	-2.5 to 2.5	Pass
				-10	3.85	-0.315	-0.0001	-2.5 to 2.5	Pass
				0	3.85	17.180	0.0066	-2.5 to 2.5	Pass
				10	3.85	5.736	0.0022	-2.5 to 2.5	Pass
				30	3.85	5.193	0.0020	-2.5 to 2.5	Pass
				40	3.85	5.450	0.0021	-2.5 to 2.5	Pass
				50	3.85	10.929	0.0042	-2.5 to 2.5	Pass
	2652.5	25	0	20	3.27	-15.092	-0.0057	-2.5 to 2.5	Pass
					3.85	13.618	0.0051	-2.5 to 2.5	Pass
					4.43	0.243	0.0001	-2.5 to 2.5	Pass
				-30	3.85	-3.920	-0.0015	-2.5 to 2.5	Pass
				-20	3.85	4.377	0.0017	-2.5 to 2.5	Pass
				-10	3.85	0.858	0.0003	-2.5 to 2.5	Pass
				0	3.85	-2.804	-0.0011	-2.5 to 2.5	Pass
				10	3.85	9.813	0.0037	-2.5 to 2.5	Pass
				30	3.85	-3.247	-0.0012	-2.5 to 2.5	Pass
				40	3.85	-0.815	-0.0003	-2.5 to 2.5	Pass
				50	3.85	-5.865	-0.0022	-2.5 to 2.5	Pass

2.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2560	50	0	20	3.27	-2.232	-0.0009	-2.5 to 2.5	Pass
					3.85	2.060	0.0008	-2.5 to 2.5	Pass
					4.43	1.373	0.0005	-2.5 to 2.5	Pass

16QAM	2605	50	0	-30	3.85	-7.038	-0.0027	-2.5 to 2.5	Pass
				-20	3.85	8.626	0.0034	-2.5 to 2.5	Pass
				-10	3.85	-0.215	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-2.146	-0.0008	-2.5 to 2.5	Pass
				10	3.85	9.942	0.0039	-2.5 to 2.5	Pass
				30	3.85	-2.031	-0.0008	-2.5 to 2.5	Pass
				40	3.85	-1.988	-0.0008	-2.5 to 2.5	Pass
				50	3.85	-3.691	-0.0014	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	2.732	0.0010	-2.5 to 2.5	Pass
					3.85	7.424	0.0028	-2.5 to 2.5	Pass
					4.43	1.516	0.0006	-2.5 to 2.5	Pass
				-30	3.85	-0.558	-0.0002	-2.5 to 2.5	Pass
				-20	3.85	-8.512	-0.0033	-2.5 to 2.5	Pass
				-10	3.85	3.462	0.0013	-2.5 to 2.5	Pass
				0	3.85	4.191	0.0016	-2.5 to 2.5	Pass
				10	3.85	5.050	0.0019	-2.5 to 2.5	Pass
				30	3.85	4.663	0.0018	-2.5 to 2.5	Pass
				40	3.85	4.807	0.0018	-2.5 to 2.5	Pass
				50	3.85	9.384	0.0036	-2.5 to 2.5	Pass
				20	3.27	1.130	0.0004	-2.5 to 2.5	Pass
					3.85	-1.445	-0.0005	-2.5 to 2.5	Pass
					4.43	-0.486	-0.0002	-2.5 to 2.5	Pass
	2560	50	0	-30	3.85	2.575	0.0010	-2.5 to 2.5	Pass
				-20	3.85	-2.389	-0.0009	-2.5 to 2.5	Pass
				-10	3.85	3.104	0.0012	-2.5 to 2.5	Pass
				0	3.85	3.777	0.0014	-2.5 to 2.5	Pass
				10	3.85	-0.515	-0.0002	-2.5 to 2.5	Pass
				30	3.85	0.758	0.0003	-2.5 to 2.5	Pass
				40	3.85	7.153	0.0027	-2.5 to 2.5	Pass
				50	3.85	3.934	0.0015	-2.5 to 2.5	Pass
				20	3.27	1.230	0.0005	-2.5 to 2.5	Pass
					3.85	-6.008	-0.0023	-2.5 to 2.5	Pass
					4.43	6.938	0.0027	-2.5 to 2.5	Pass
				-30	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-20	3.85	4.735	0.0018	-2.5 to 2.5	Pass
				-10	3.85	2.546	0.0010	-2.5 to 2.5	Pass
	2605	50	0	0	3.85	-0.458	-0.0002	-2.5 to 2.5	Pass
				10	3.85	1.745	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.245	0.0005	-2.5 to 2.5	Pass
				40	3.85	-0.501	-0.0002	-2.5 to 2.5	Pass
				50	3.85	1.001	0.0004	-2.5 to 2.5	Pass
				20	3.27	0.072	0.0000	-2.5 to 2.5	Pass
					3.85	3.920	0.0015	-2.5 to 2.5	Pass
					4.43	3.376	0.0013	-2.5 to 2.5	Pass
				-30	3.85	3.705	0.0014	-2.5 to 2.5	Pass
				-20	3.85	1.903	0.0007	-2.5 to 2.5	Pass
				-10	3.85	8.883	0.0034	-2.5 to 2.5	Pass
				0	3.85	4.778	0.0018	-2.5 to 2.5	Pass
				10	3.85	-3.090	-0.0012	-2.5 to 2.5	Pass
				30	3.85	4.377	0.0017	-2.5 to 2.5	Pass
				40	3.85	-5.651	-0.0022	-2.5 to 2.5	Pass
				50	3.85	3.762	0.0014	-2.5 to 2.5	Pass
	2650	50	0	20	3.27	2.904	0.0011	-2.5 to 2.5	Pass
					3.85	4.177	0.0016	-2.5 to 2.5	Pass
					4.43	2.832	0.0011	-2.5 to 2.5	Pass
				-30	3.85	-0.916	-0.0003	-2.5 to 2.5	Pass
				-20	3.85	2.217	0.0008	-2.5 to 2.5	Pass
				-10	3.85	-0.572	-0.0002	-2.5 to 2.5	Pass
				0	3.85	0.529	0.0002	-2.5 to 2.5	Pass



				10	3.85	5.450	0.0021	-2.5 to 2.5	Pass
				30	3.85	-2.904	-0.0011	-2.5 to 2.5	Pass
				40	3.85	-3.619	-0.0014	-2.5 to 2.5	Pass
				50	3.85	8.869	0.0033	-2.5 to 2.5	Pass

2.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2562.5	75	0	20	3.27	6.380	0.0025	-2.5 to 2.5	Pass
					3.85	4.878	0.0019	-2.5 to 2.5	Pass
					4.43	-0.672	-0.0003	-2.5 to 2.5	Pass
				-30	3.85	1.874	0.0007	-2.5 to 2.5	Pass
				-20	3.85	3.791	0.0015	-2.5 to 2.5	Pass
				-10	3.85	2.589	0.0010	-2.5 to 2.5	Pass
				0	3.85	1.945	0.0008	-2.5 to 2.5	Pass
				10	3.85	7.567	0.0030	-2.5 to 2.5	Pass
				30	3.85	3.734	0.0015	-2.5 to 2.5	Pass
				40	3.85	-5.450	-0.0021	-2.5 to 2.5	Pass
				50	3.85	2.518	0.0010	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	-0.343	-0.0001	-2.5 to 2.5	Pass
					3.85	5.336	0.0020	-2.5 to 2.5	Pass
					4.43	6.452	0.0025	-2.5 to 2.5	Pass
				-30	3.85	3.963	0.0015	-2.5 to 2.5	Pass
				-20	3.85	-2.675	-0.0010	-2.5 to 2.5	Pass
				-10	3.85	4.721	0.0018	-2.5 to 2.5	Pass
				0	3.85	1.030	0.0004	-2.5 to 2.5	Pass
				10	3.85	3.347	0.0013	-2.5 to 2.5	Pass
				30	3.85	1.559	0.0006	-2.5 to 2.5	Pass
				40	3.85	2.847	0.0011	-2.5 to 2.5	Pass
				50	3.85	2.317	0.0009	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	1.760	0.0007	-2.5 to 2.5	Pass
					3.85	-4.492	-0.0017	-2.5 to 2.5	Pass
					4.43	3.648	0.0014	-2.5 to 2.5	Pass
				-30	3.85	0.186	0.0001	-2.5 to 2.5	Pass
				-20	3.85	1.760	0.0007	-2.5 to 2.5	Pass
				-10	3.85	2.947	0.0011	-2.5 to 2.5	Pass
				0	3.85	-9.041	-0.0034	-2.5 to 2.5	Pass
				10	3.85	-2.432	-0.0009	-2.5 to 2.5	Pass
				30	3.85	0.086	0.0000	-2.5 to 2.5	Pass
				40	3.85	1.931	0.0007	-2.5 to 2.5	Pass
				50	3.85	-4.878	-0.0018	-2.5 to 2.5	Pass
16QAM	2562.5	75	0	20	3.27	4.435	0.0017	-2.5 to 2.5	Pass
					3.85	-0.958	-0.0004	-2.5 to 2.5	Pass
					4.43	8.812	0.0034	-2.5 to 2.5	Pass
				-30	3.85	5.507	0.0021	-2.5 to 2.5	Pass
				-20	3.85	5.193	0.0020	-2.5 to 2.5	Pass
				-10	3.85	2.975	0.0012	-2.5 to 2.5	Pass
				0	3.85	10.514	0.0041	-2.5 to 2.5	Pass
				10	3.85	-3.734	-0.0015	-2.5 to 2.5	Pass
				30	3.85	2.146	0.0008	-2.5 to 2.5	Pass
				40	3.85	0.801	0.0003	-2.5 to 2.5	Pass
				50	3.85	8.926	0.0035	-2.5 to 2.5	Pass
	2605	75	0	20	3.27	3.390	0.0013	-2.5 to 2.5	Pass
					3.85	-5.050	-0.0019	-2.5 to 2.5	Pass
					4.43	6.666	0.0026	-2.5 to 2.5	Pass
				-30	3.85	5.322	0.0020	-2.5 to 2.5	Pass



				-20	3.85	4.764	0.0018	-2.5 to 2.5	Pass
				-10	3.85	3.476	0.0013	-2.5 to 2.5	Pass
				0	3.85	0.114	0.0000	-2.5 to 2.5	Pass
				10	3.85	5.651	0.0022	-2.5 to 2.5	Pass
				30	3.85	5.636	0.0022	-2.5 to 2.5	Pass
				40	3.85	-1.903	-0.0007	-2.5 to 2.5	Pass
				50	3.85	-1.159	-0.0004	-2.5 to 2.5	Pass
	2647.5	75	0	20	3.27	0.715	0.0003	-2.5 to 2.5	Pass
					3.85	2.975	0.0011	-2.5 to 2.5	Pass
					4.43	3.533	0.0013	-2.5 to 2.5	Pass
				-30	3.85	4.478	0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.772	-0.0003	-2.5 to 2.5	Pass
				-10	3.85	8.068	0.0030	-2.5 to 2.5	Pass
				0	3.85	-0.300	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-5.693	-0.0022	-2.5 to 2.5	Pass
				30	3.85	-0.186	-0.0001	-2.5 to 2.5	Pass
				40	3.85	-6.423	-0.0024	-2.5 to 2.5	Pass
				50	3.85	-2.275	-0.0009	-2.5 to 2.5	Pass

2.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2565	100	0	20	3.27	2.389	0.0009	-2.5 to 2.5	Pass
					3.85	-0.486	-0.0002	-2.5 to 2.5	Pass
					4.43	5.035	0.0020	-2.5 to 2.5	Pass
				-30	3.85	1.287	0.0005	-2.5 to 2.5	Pass
				-20	3.85	0.858	0.0003	-2.5 to 2.5	Pass
				-10	3.85	1.431	0.0006	-2.5 to 2.5	Pass
				0	3.85	-2.131	-0.0008	-2.5 to 2.5	Pass
				10	3.85	2.518	0.0010	-2.5 to 2.5	Pass
				30	3.85	4.706	0.0018	-2.5 to 2.5	Pass
				40	3.85	1.788	0.0007	-2.5 to 2.5	Pass
				50	3.85	5.665	0.0022	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	-1.173	-0.0005	-2.5 to 2.5	Pass
					3.85	1.774	0.0007	-2.5 to 2.5	Pass
					4.43	1.001	0.0004	-2.5 to 2.5	Pass
				-30	3.85	3.119	0.0012	-2.5 to 2.5	Pass
				-20	3.85	4.077	0.0016	-2.5 to 2.5	Pass
				-10	3.85	-0.343	-0.0001	-2.5 to 2.5	Pass
				0	3.85	-5.550	-0.0021	-2.5 to 2.5	Pass
				10	3.85	2.718	0.0010	-2.5 to 2.5	Pass
				30	3.85	2.432	0.0009	-2.5 to 2.5	Pass
				40	3.85	5.064	0.0019	-2.5 to 2.5	Pass
				50	3.85	2.761	0.0011	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	4.148	0.0016	-2.5 to 2.5	Pass
					3.85	-8.054	-0.0030	-2.5 to 2.5	Pass
					4.43	7.854	0.0030	-2.5 to 2.5	Pass
				-30	3.85	5.693	0.0022	-2.5 to 2.5	Pass
				-20	3.85	0.544	0.0002	-2.5 to 2.5	Pass
				-10	3.85	8.168	0.0031	-2.5 to 2.5	Pass
				0	3.85	5.093	0.0019	-2.5 to 2.5	Pass
				10	3.85	3.490	0.0013	-2.5 to 2.5	Pass
				30	3.85	-4.578	-0.0017	-2.5 to 2.5	Pass
				40	3.85	-2.232	-0.0008	-2.5 to 2.5	Pass
				50	3.85	7.882	0.0030	-2.5 to 2.5	Pass
16QAM	2565	100	0	20	3.27	3.548	0.0014	-2.5 to 2.5	Pass

					3.85	2.303	0.0009	-2.5 to 2.5	Pass
					4.43	7.339	0.0029	-2.5 to 2.5	Pass
				-30	3.85	9.398	0.0037	-2.5 to 2.5	Pass
				-20	3.85	0.544	0.0002	-2.5 to 2.5	Pass
				-10	3.85	1.817	0.0007	-2.5 to 2.5	Pass
				0	3.85	-3.390	-0.0013	-2.5 to 2.5	Pass
				10	3.85	1.788	0.0007	-2.5 to 2.5	Pass
				30	3.85	1.502	0.0006	-2.5 to 2.5	Pass
				40	3.85	4.921	0.0019	-2.5 to 2.5	Pass
				50	3.85	2.747	0.0011	-2.5 to 2.5	Pass
	2605	100	0	20	3.27	6.981	0.0027	-2.5 to 2.5	Pass
					3.85	3.004	0.0012	-2.5 to 2.5	Pass
					4.43	6.108	0.0023	-2.5 to 2.5	Pass
				-30	3.85	10.872	0.0042	-2.5 to 2.5	Pass
				-20	3.85	1.073	0.0004	-2.5 to 2.5	Pass
				-10	3.85	-0.672	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				10	3.85	4.063	0.0016	-2.5 to 2.5	Pass
				30	3.85	3.076	0.0012	-2.5 to 2.5	Pass
				40	3.85	4.964	0.0019	-2.5 to 2.5	Pass
				50	3.85	7.024	0.0027	-2.5 to 2.5	Pass
	2645	100	0	20	3.27	1.130	0.0004	-2.5 to 2.5	Pass
					3.85	-5.279	-0.0020	-2.5 to 2.5	Pass
					4.43	7.911	0.0030	-2.5 to 2.5	Pass
				-30	3.85	-1.144	-0.0004	-2.5 to 2.5	Pass
				-20	3.85	-0.644	-0.0002	-2.5 to 2.5	Pass
				-10	3.85	-1.402	-0.0005	-2.5 to 2.5	Pass
				0	3.85	0.801	0.0003	-2.5 to 2.5	Pass
				10	3.85	-2.475	-0.0009	-2.5 to 2.5	Pass
				30	3.85	-4.778	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-5.679	-0.0021	-2.5 to 2.5	Pass
				50	3.85	3.433	0.0013	-2.5 to 2.5	Pass

3. Modulation Characteristics

3.1 Test Result

3.1.1 B41_5MHz

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

3.1.2 B41_10MHz

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

3.1.3 B41_15MHz

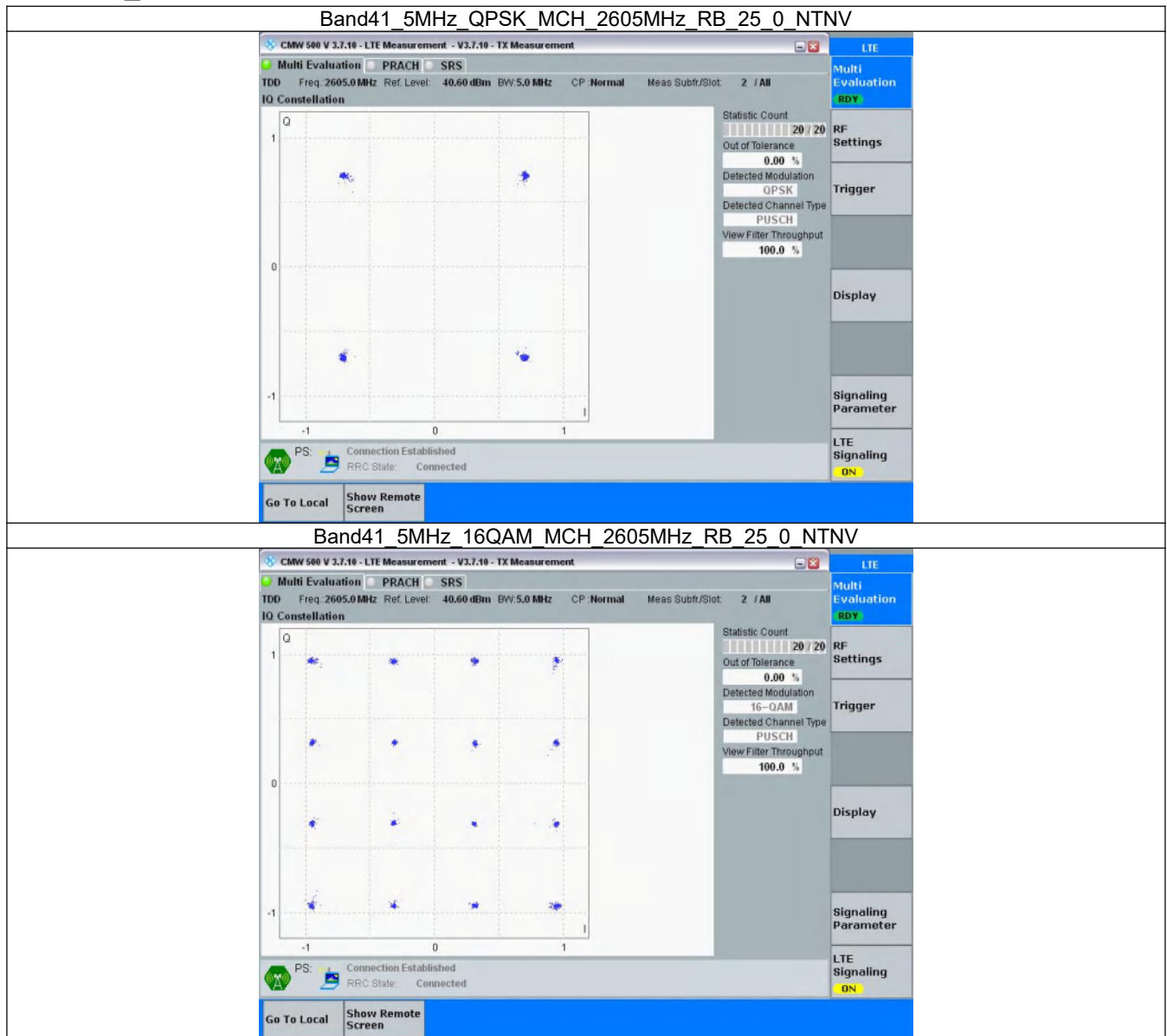
Band: 41 / Bandwidth: 15MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	75	0	Refer To Test Graph		Pass
16QAM	2605	75	0	Refer To Test Graph		Pass

3.1.4 B41_20MHz

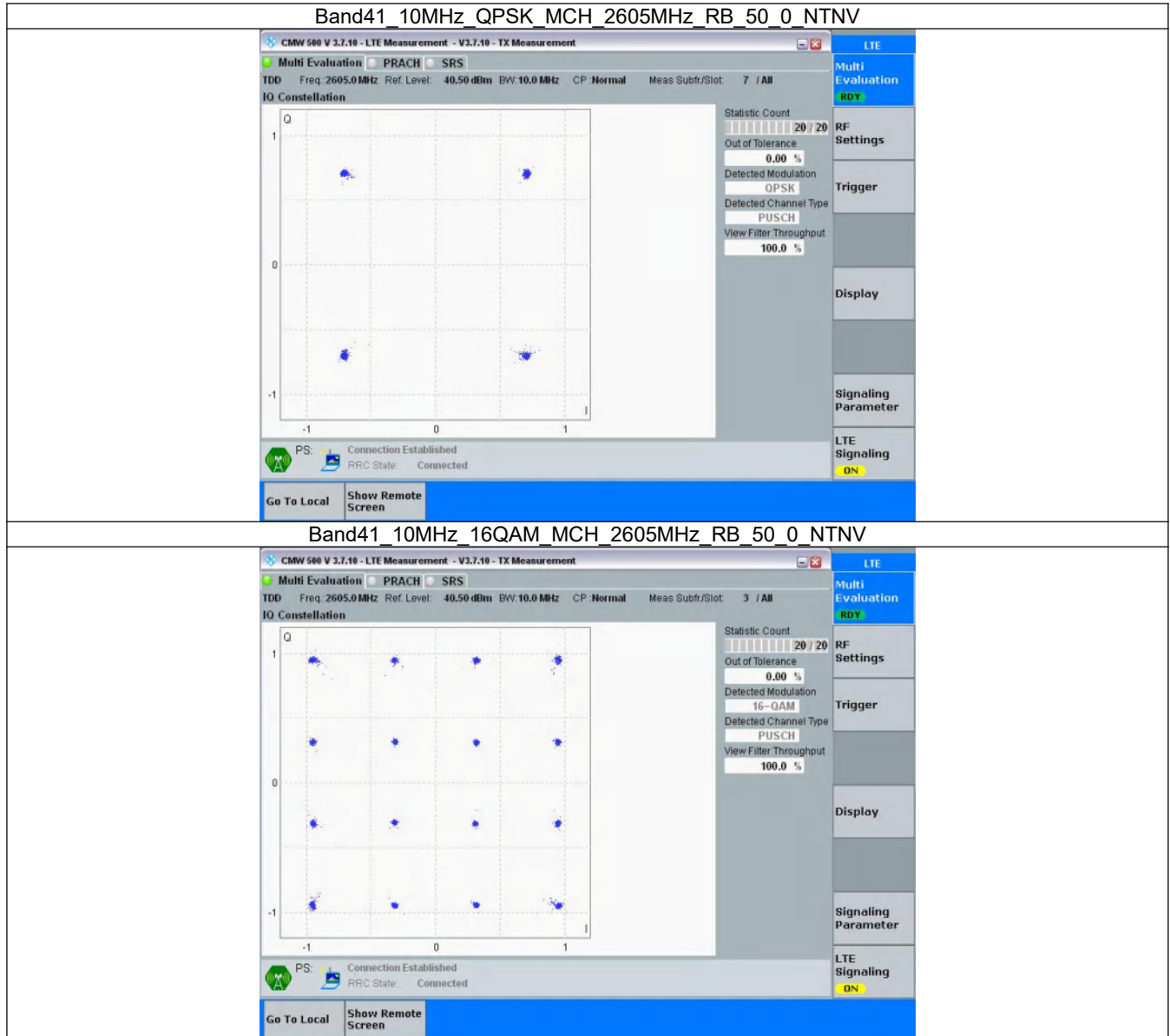
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2605	100	0	Refer To Test Graph		Pass
16QAM	2605	100	0	Refer To Test Graph		Pass

3.2 Test Graph

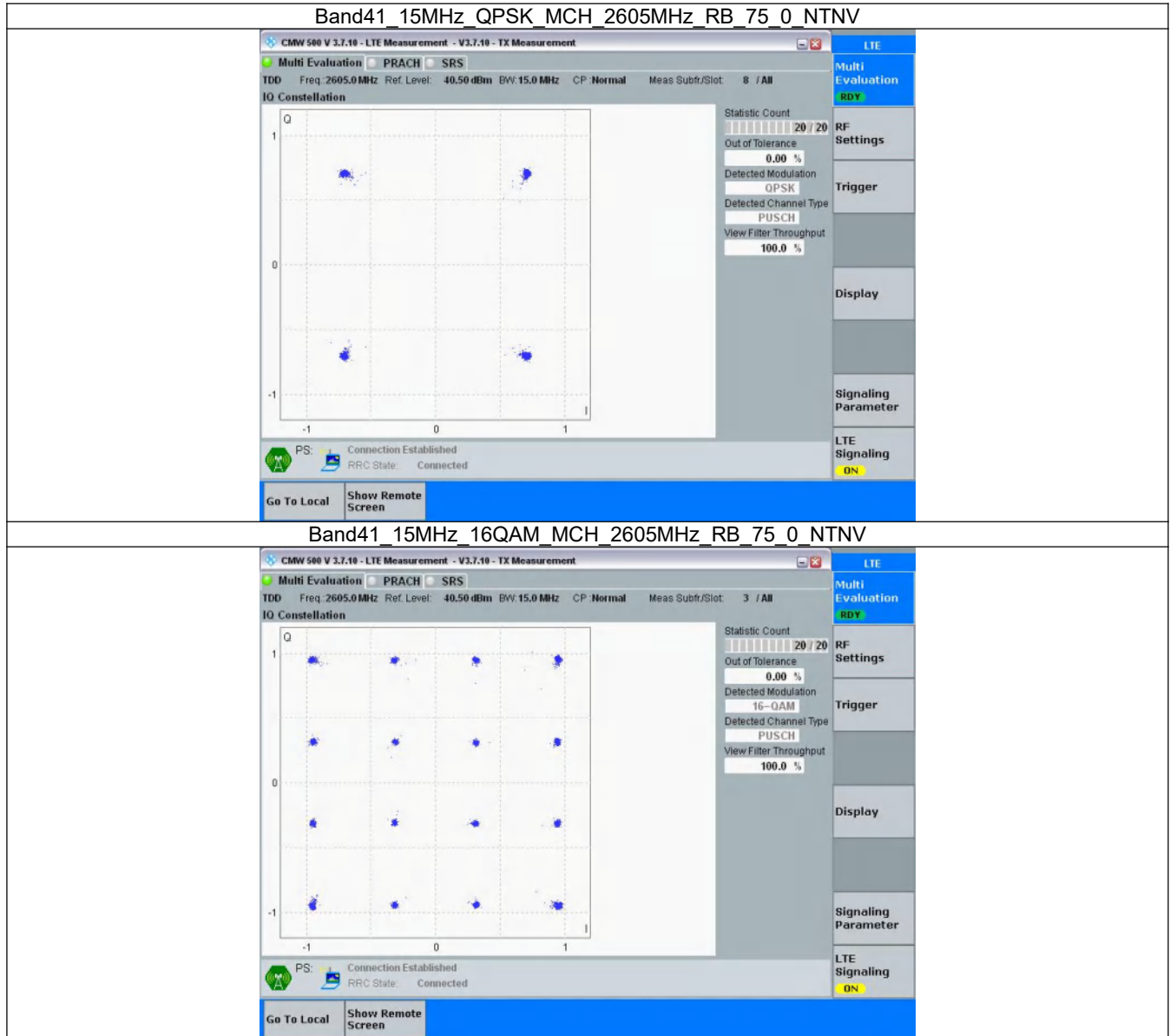
3.2.1 B41_5MHz



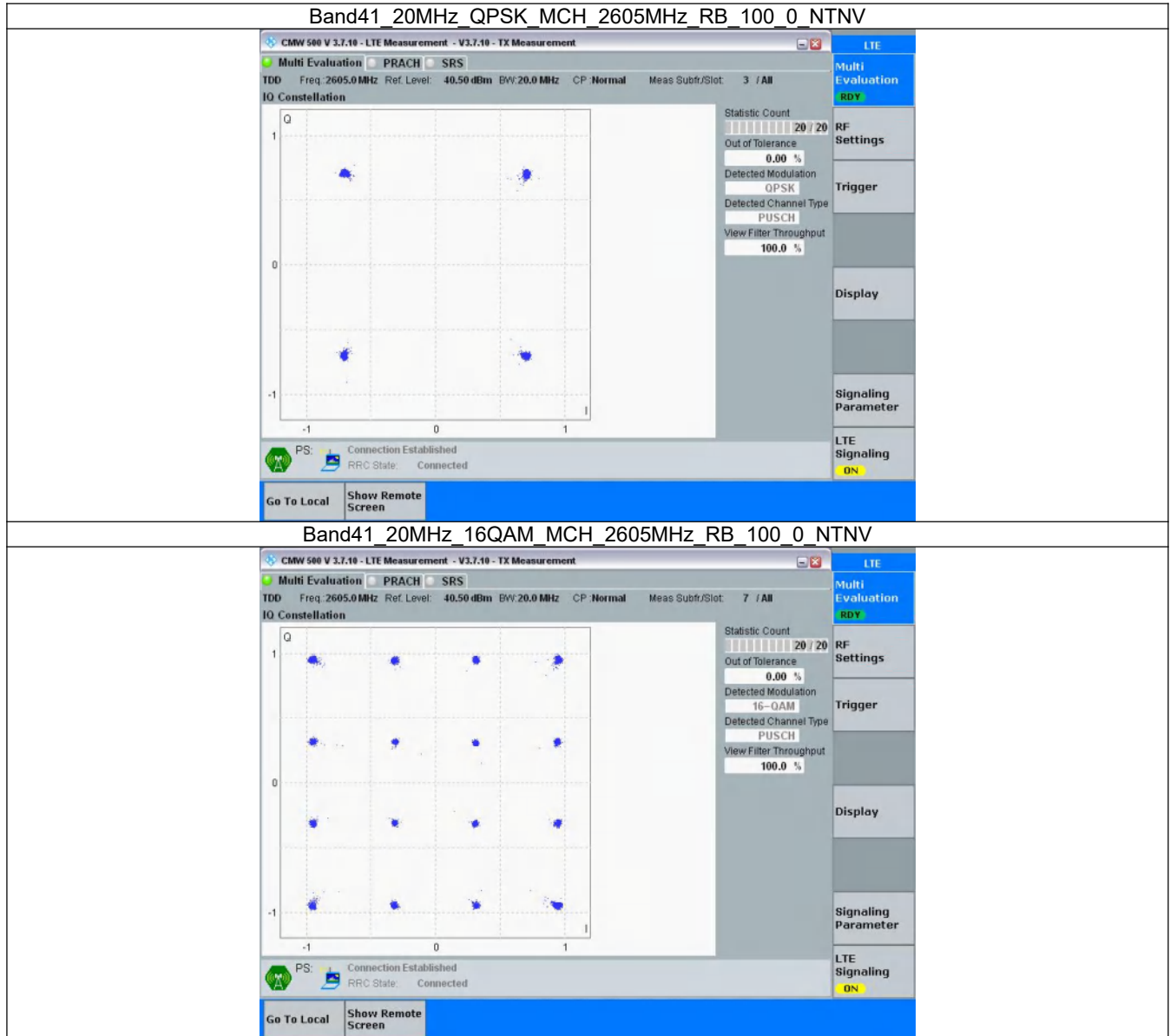
3.2.2 B41_10MHz



3.2.3 B41_15MHz



3.2.4 B41_20MHz



4. 99% & 26dB Bandwidth

4.1 Test Result

4.1.1 Band41_OBW

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	4.515	/	Pass
		2605	25	0	4.516	/	Pass
		2652.5	25	0	4.532	/	Pass
	16QAM	2557.5	25	0	4.515	/	Pass
		2605	25	0	4.512	/	Pass
		2652.5	25	0	4.544	/	Pass
10	QPSK	2560	50	0	8.955	/	Pass
		2605	50	0	8.972	/	Pass
		2650	50	0	8.956	/	Pass
	16QAM	2560	50	0	8.970	/	Pass
		2605	50	0	8.959	/	Pass
		2650	50	0	8.945	/	Pass
15	QPSK	2562.5	75	0	13.427	/	Pass
		2605	75	0	13.426	/	Pass
		2647.5	75	0	13.443	/	Pass
	16QAM	2562.5	75	0	13.452	/	Pass
		2605	75	0	13.448	/	Pass
		2647.5	75	0	13.449	/	Pass
20	QPSK	2565	100	0	17.885	/	Pass
		2605	100	0	17.874	/	Pass
		2645	100	0	17.877	/	Pass
	16QAM	2565	100	0	17.858	/	Pass
		2605	100	0	17.919	/	Pass
		2645	100	0	17.901	/	Pass

4.1.2 Band41_XDB

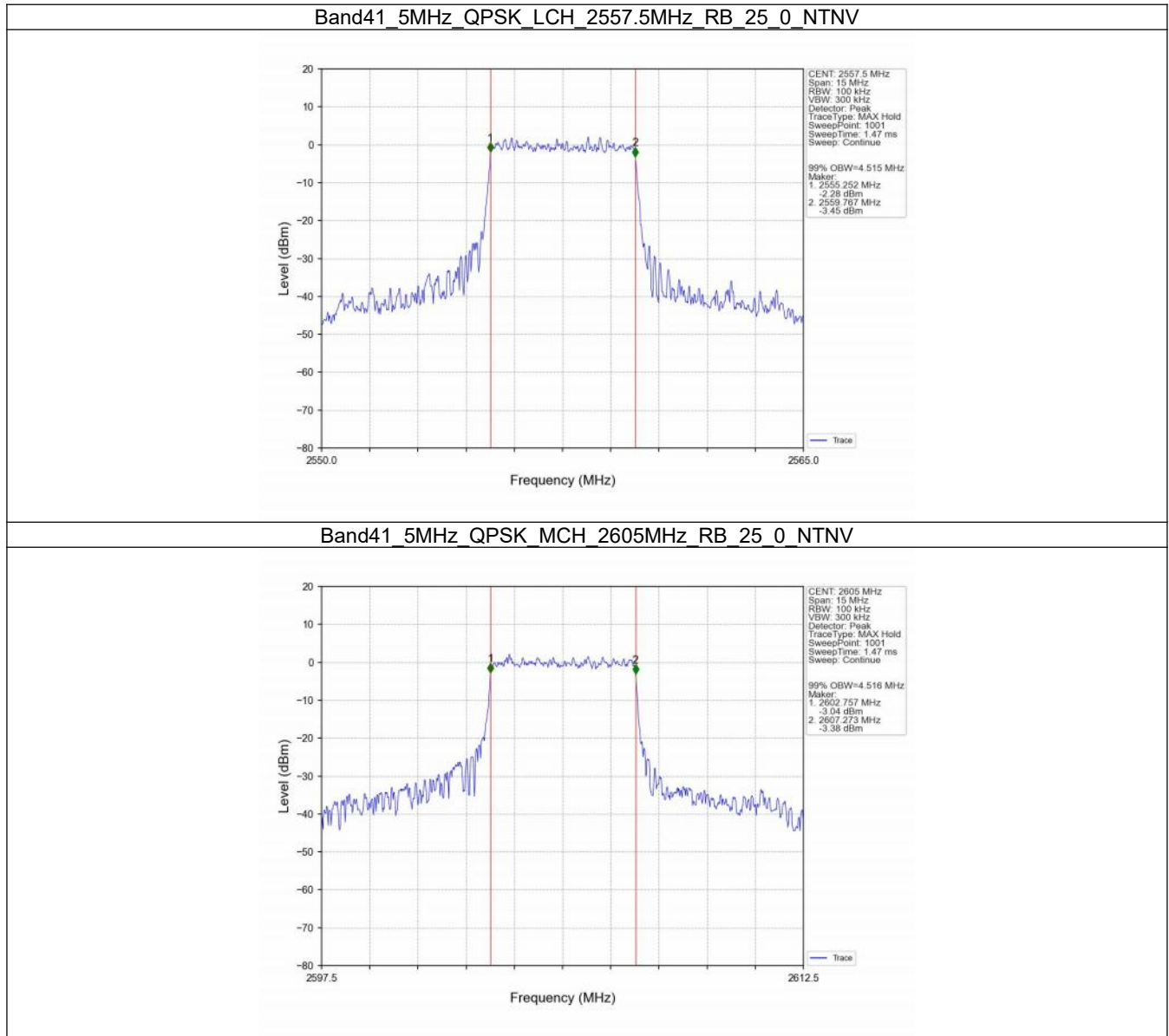
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2557.5	25	0	5.014	/	Pass
		2605	25	0	5.267	/	Pass
		2652.5	25	0	5.093	/	Pass
	16QAM	2557.5	25	0	4.936	/	Pass
		2605	25	0	4.946	/	Pass
		2652.5	25	0	4.959	/	Pass
10	QPSK	2560	50	0	9.639	/	Pass
		2605	50	0	9.955	/	Pass
		2650	50	0	9.608	/	Pass
	16QAM	2560	50	0	9.979	/	Pass
		2605	50	0	9.718	/	Pass
		2650	50	0	9.547	/	Pass
15	QPSK	2562.5	75	0	14.642	/	Pass
		2605	75	0	14.751	/	Pass
		2647.5	75	0	14.768	/	Pass



	16QAM	2562.5	75	0	14.539	/	Pass
		2605	75	0	14.549	/	Pass
		2647.5	75	0	14.596	/	Pass
20	QPSK	2565	100	0	19.099	/	Pass
		2605	100	0	19.185	/	Pass
		2645	100	0	19.544	/	Pass
	16QAM	2565	100	0	19.059	/	Pass
		2605	100	0	19.184	/	Pass
		2645	100	0	19.061	/	Pass

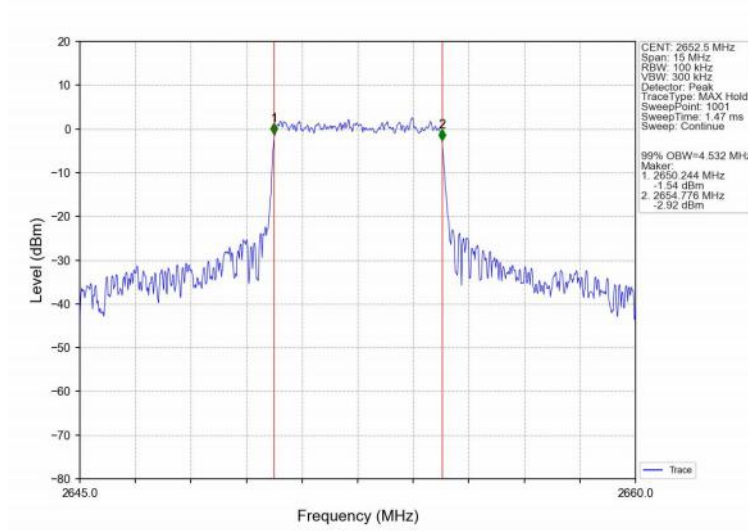
4.2 Test Graph

4.2.1 Band41_OBW

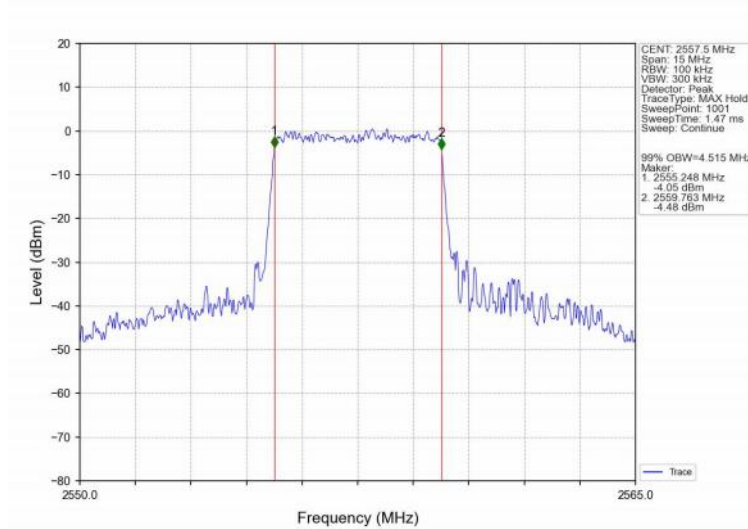




Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV

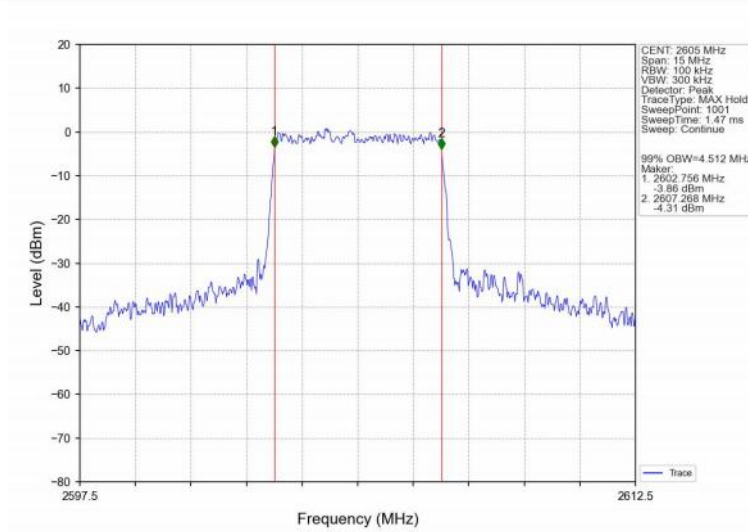


Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV

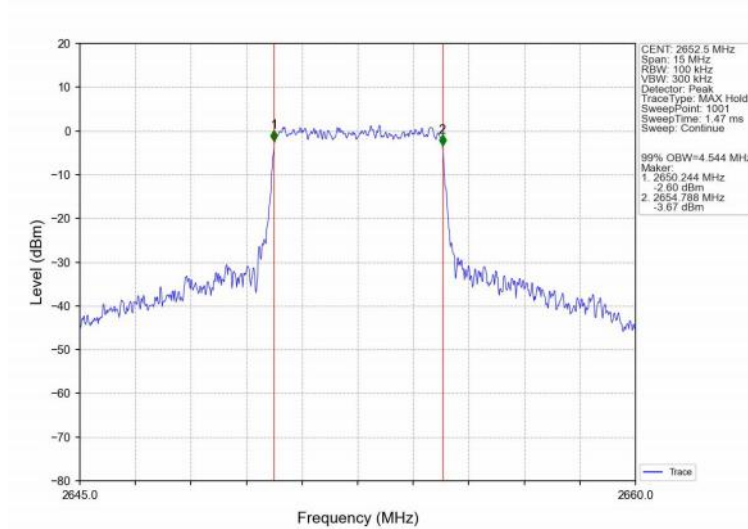




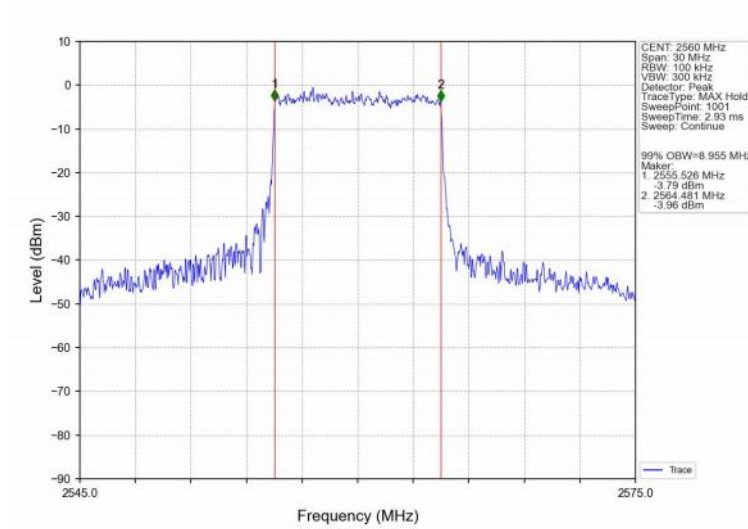
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



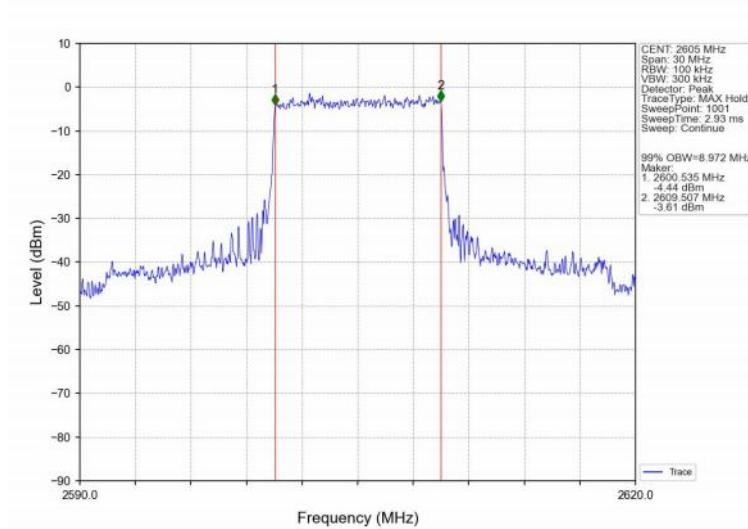
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



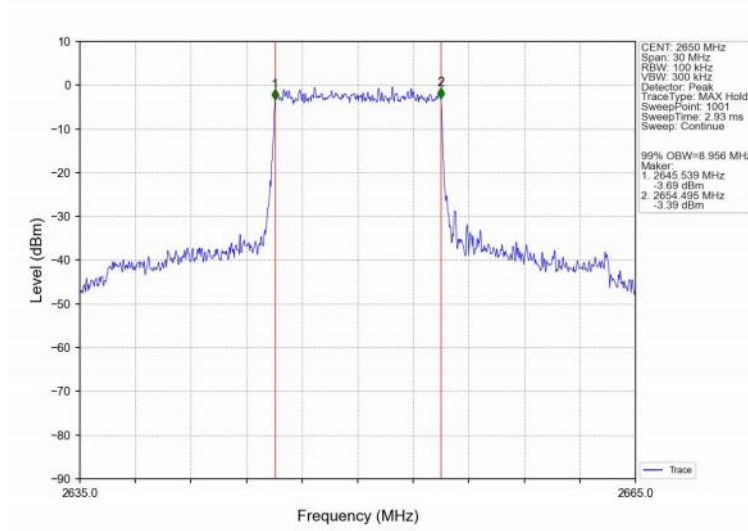
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



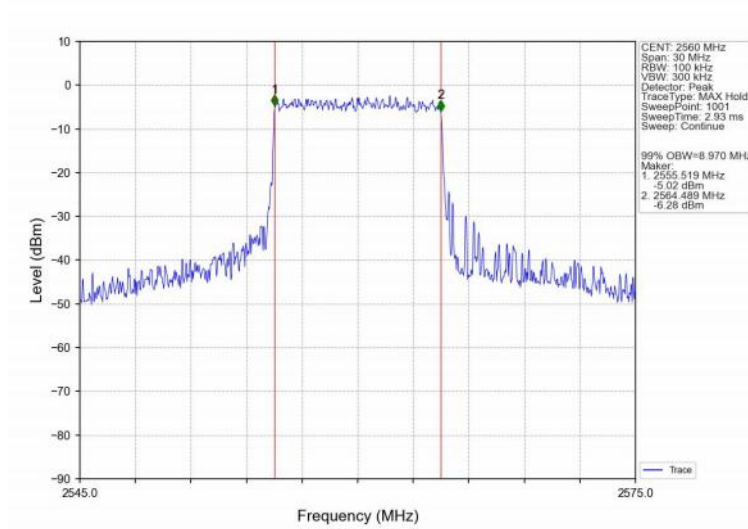
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV

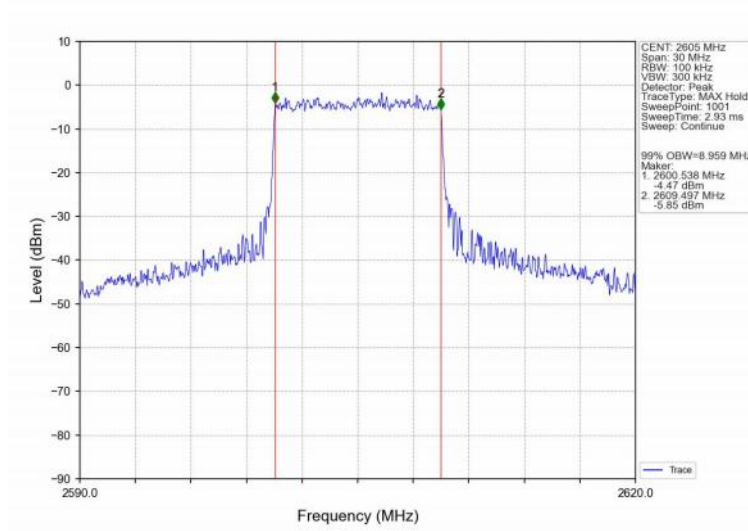


Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV

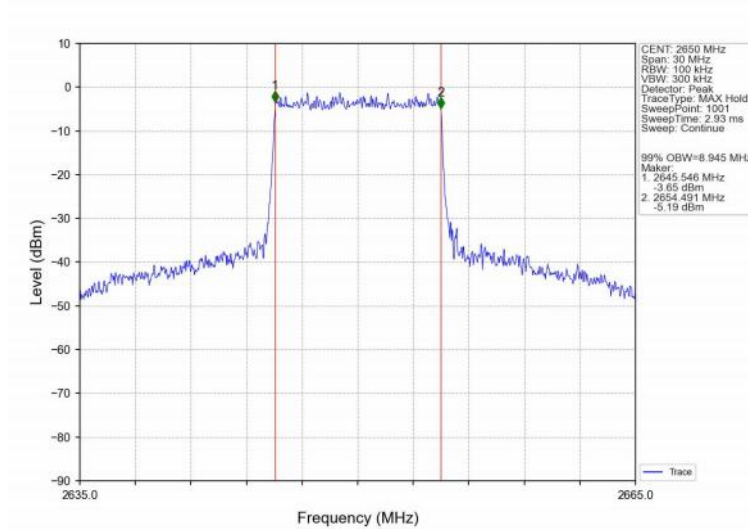




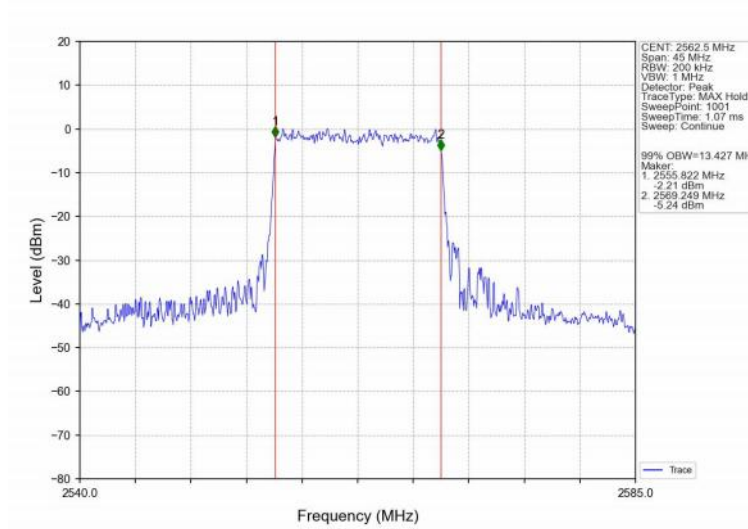
Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV



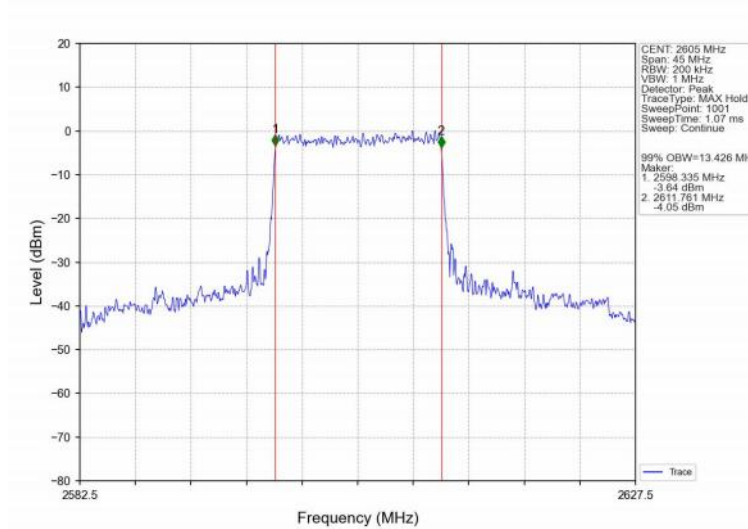
Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV



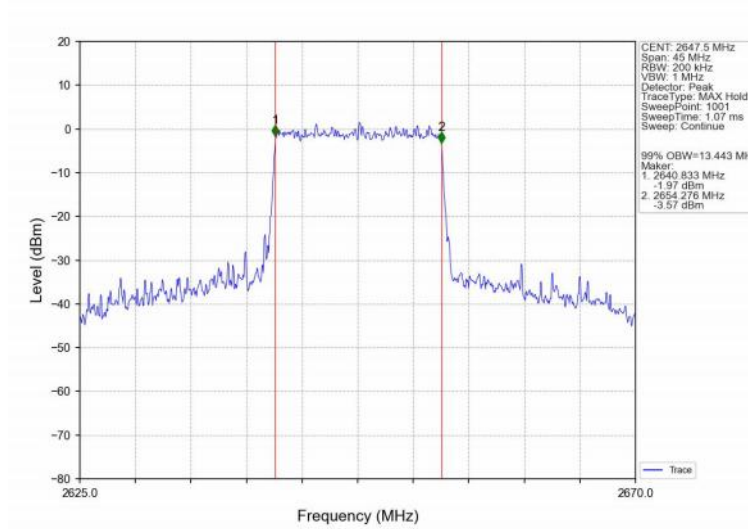
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



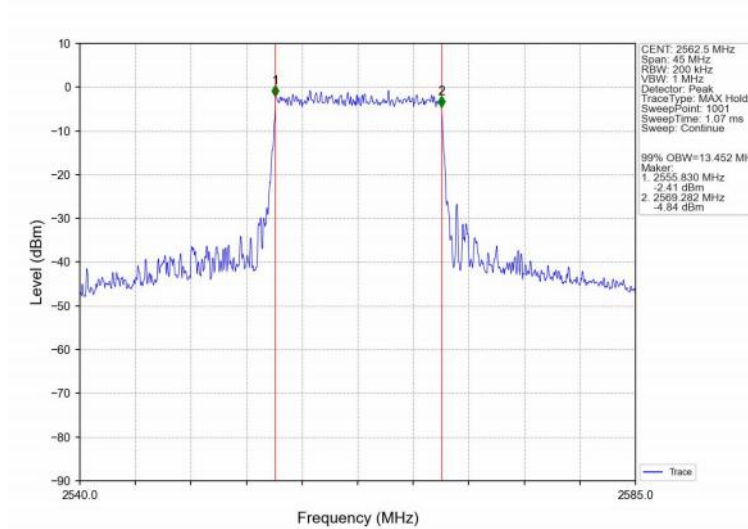
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



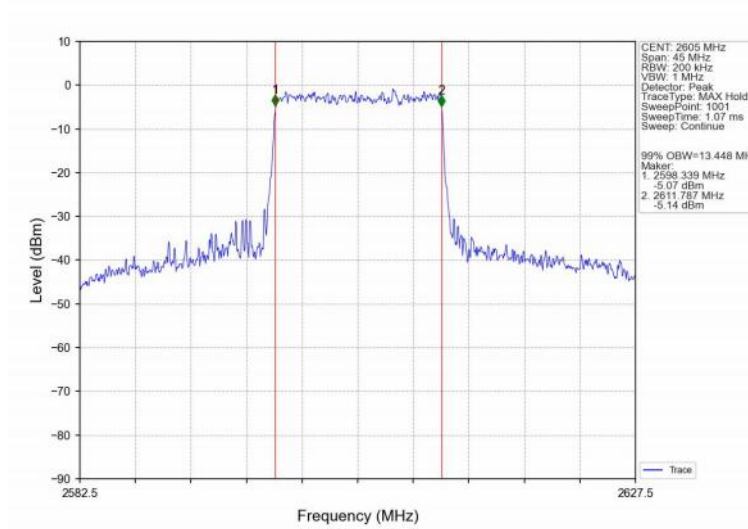
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



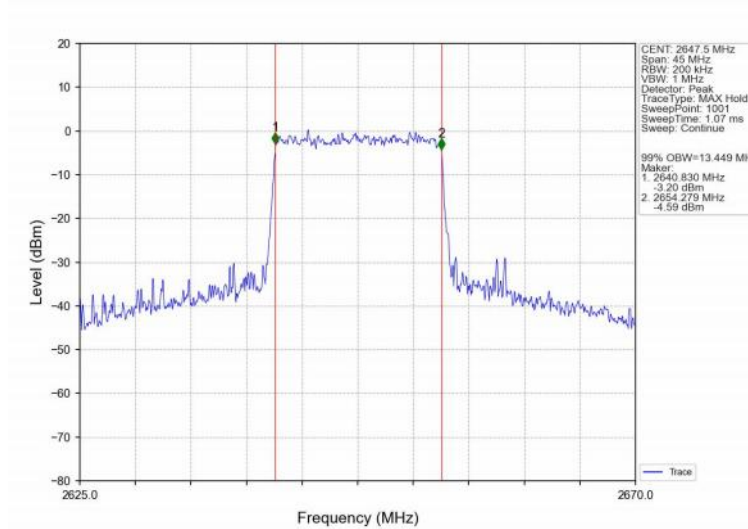
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV

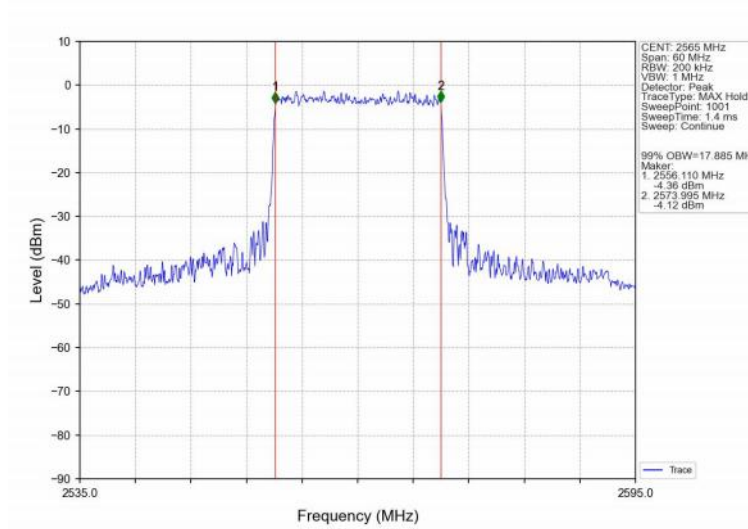


Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV

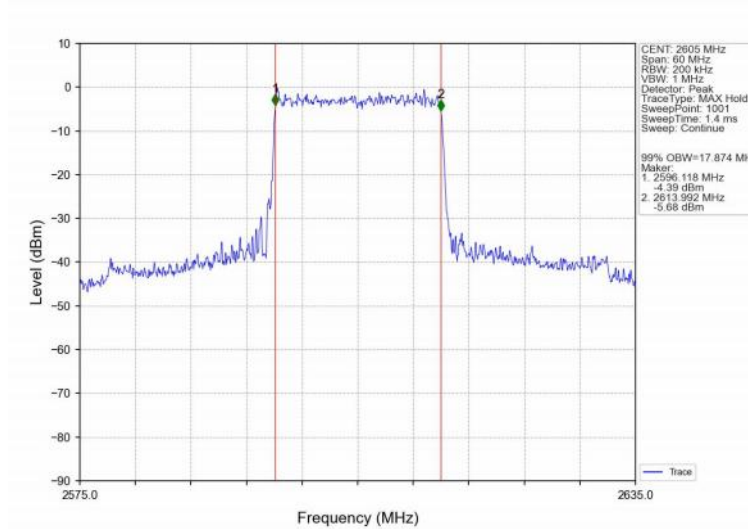




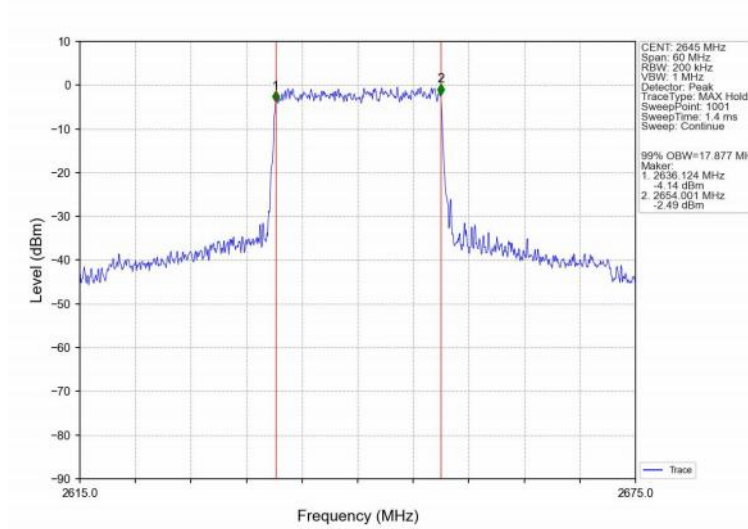
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



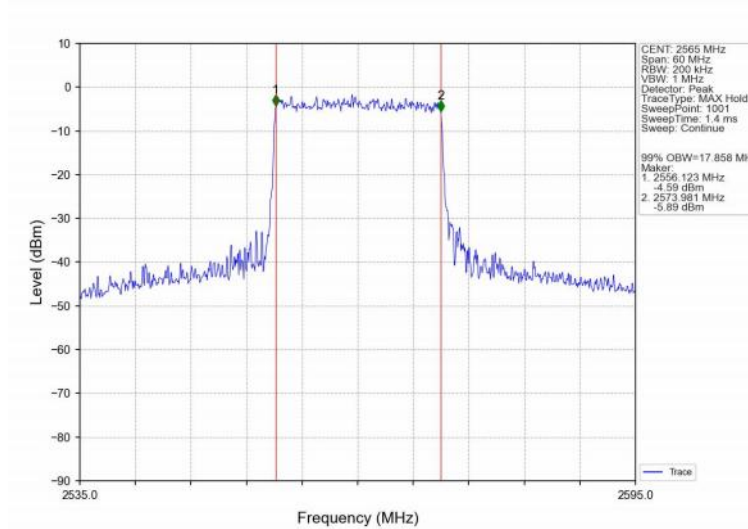
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV

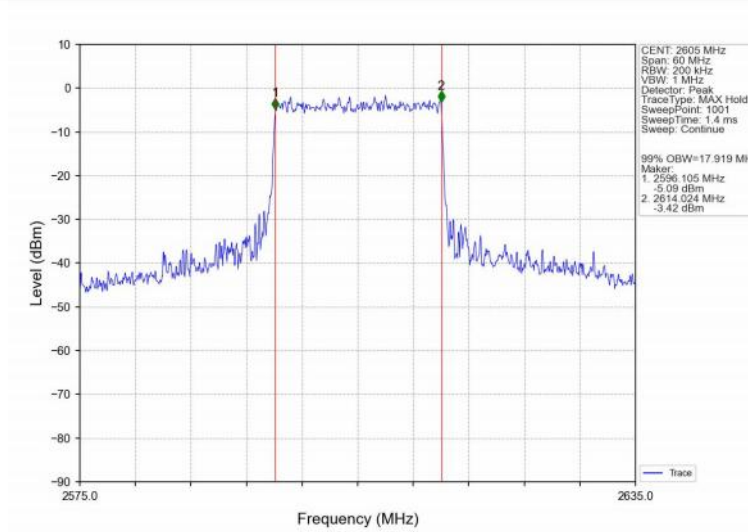


Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV

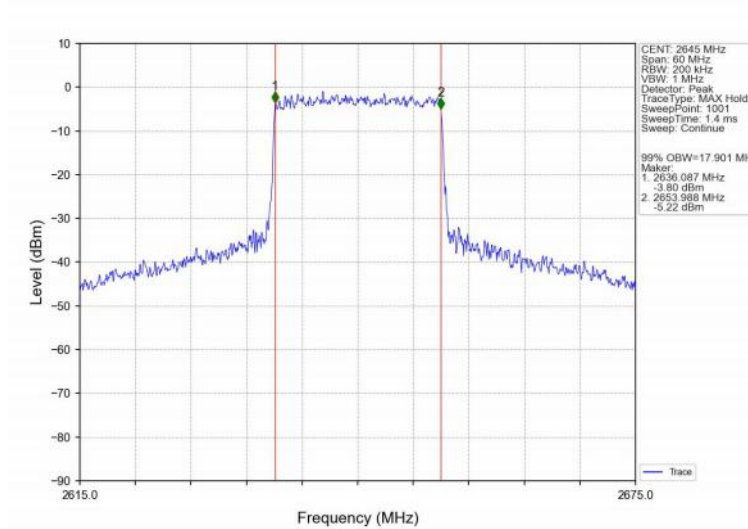




Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV

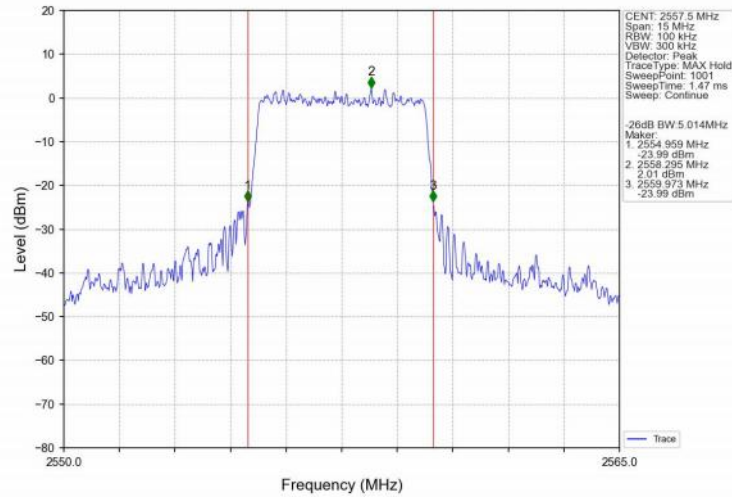


Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV

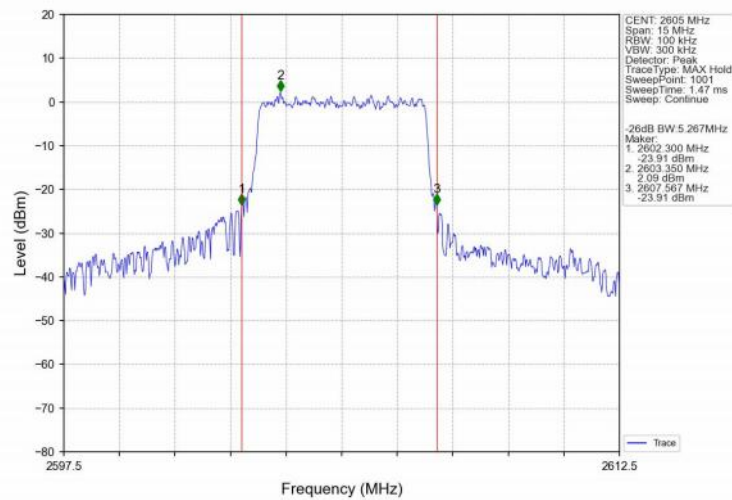


4.2.2 Band41_XDB

Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV

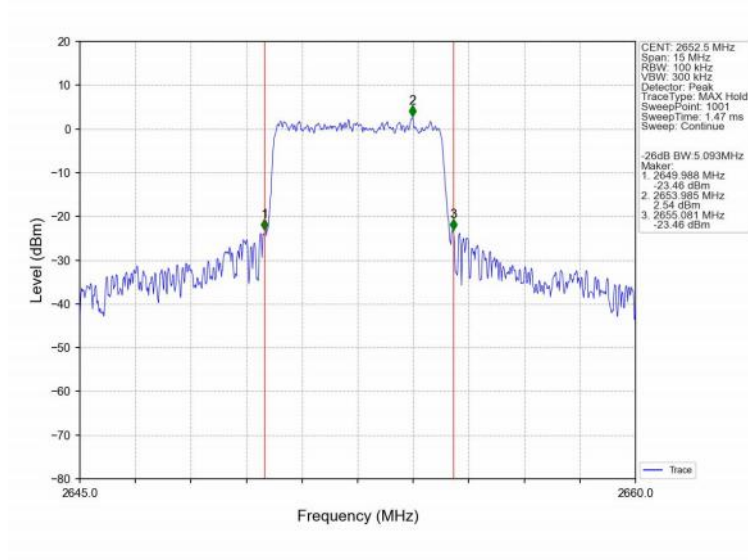


Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV

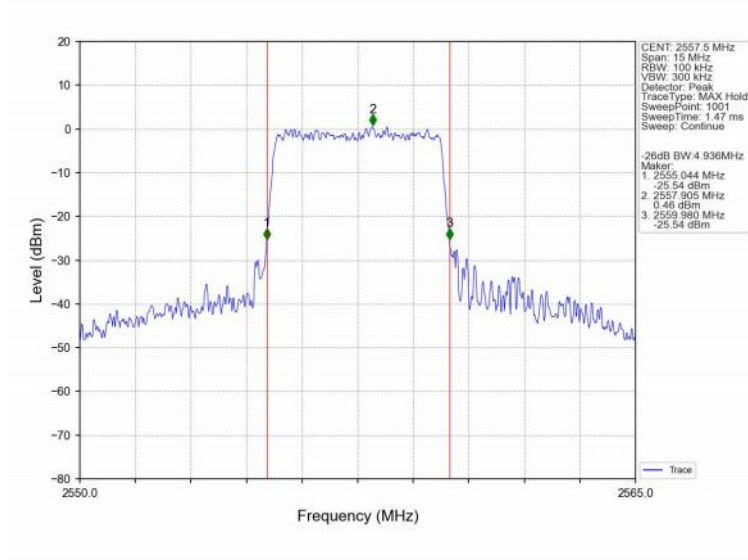




Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV

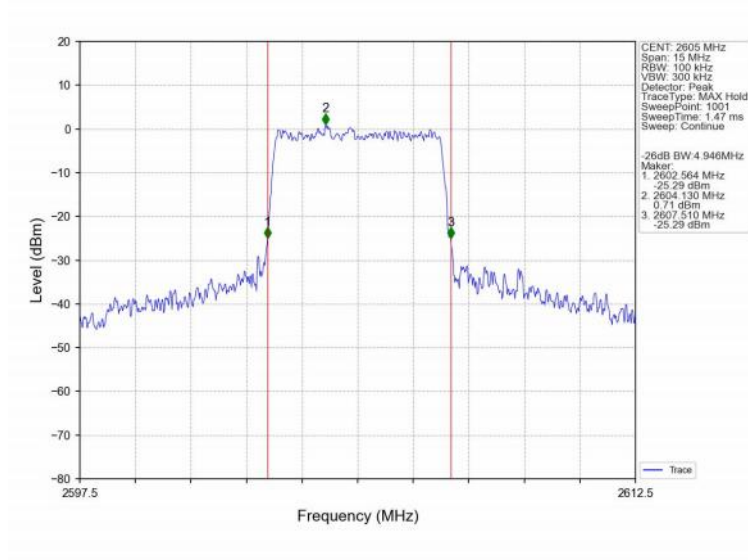


Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV

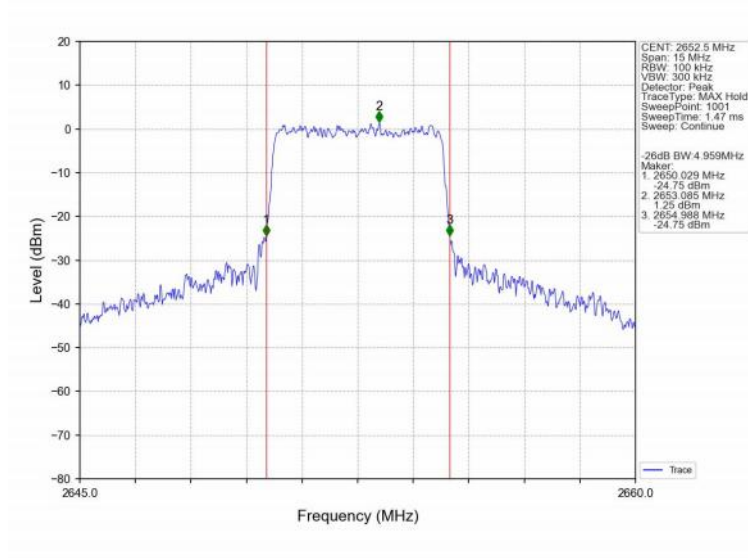




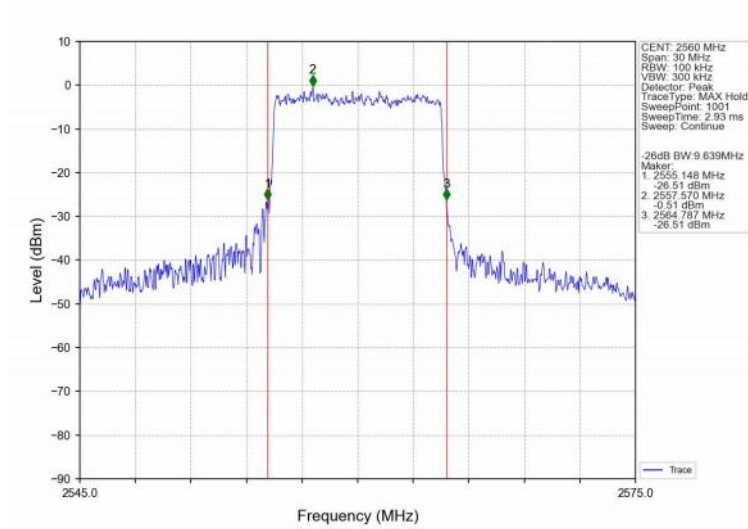
Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV



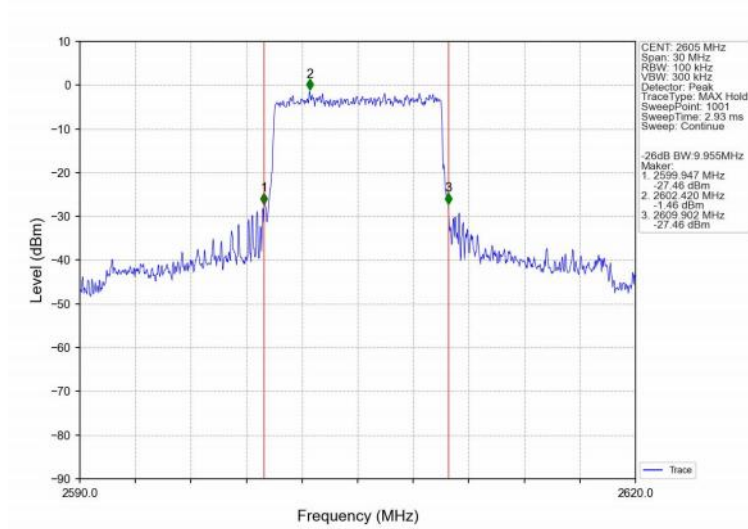
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



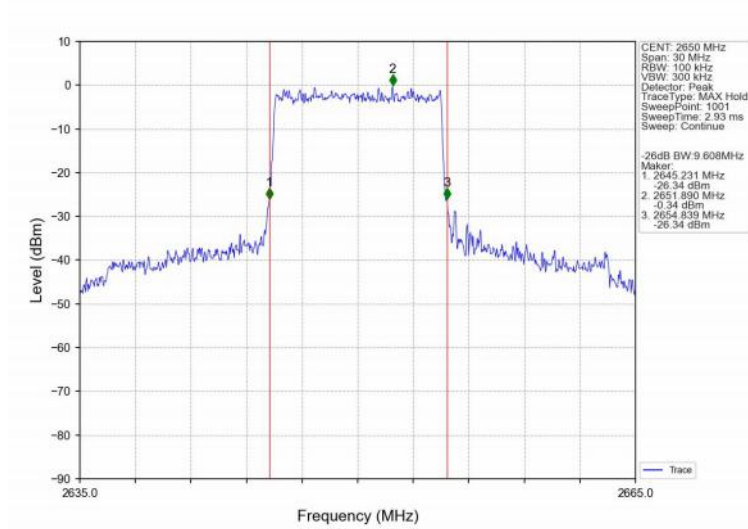
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



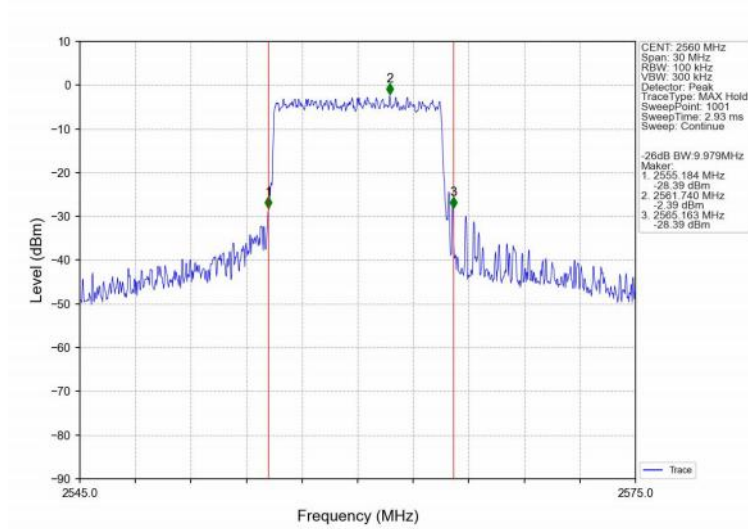
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



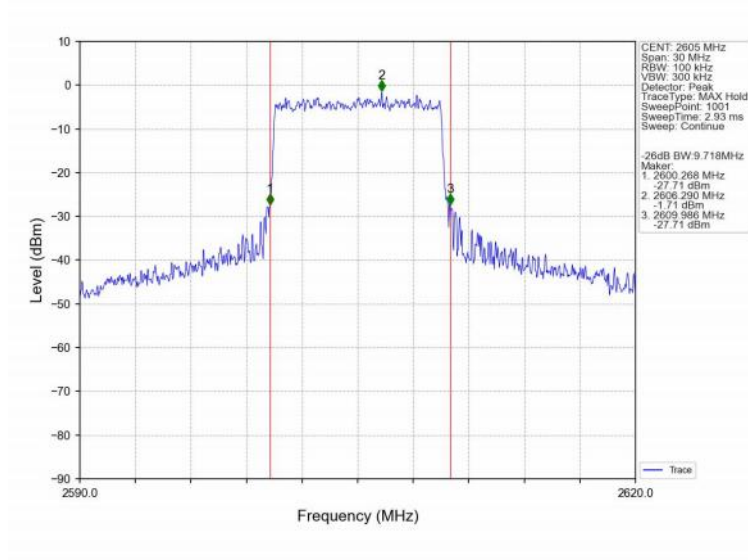
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



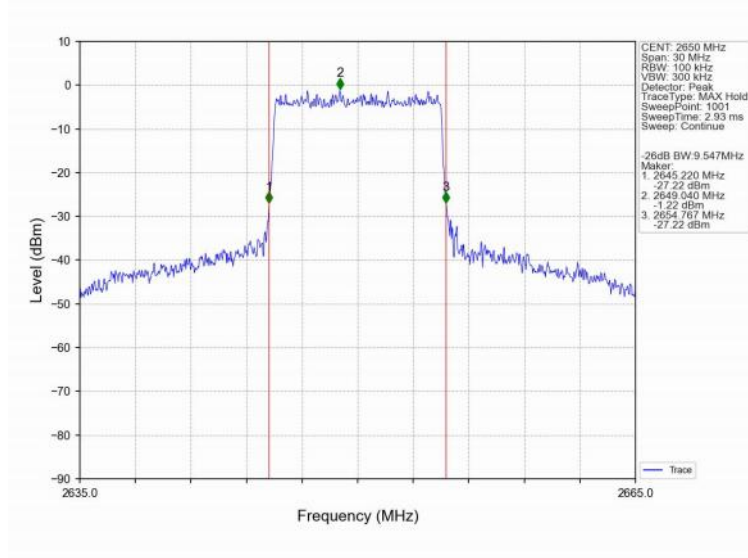
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV

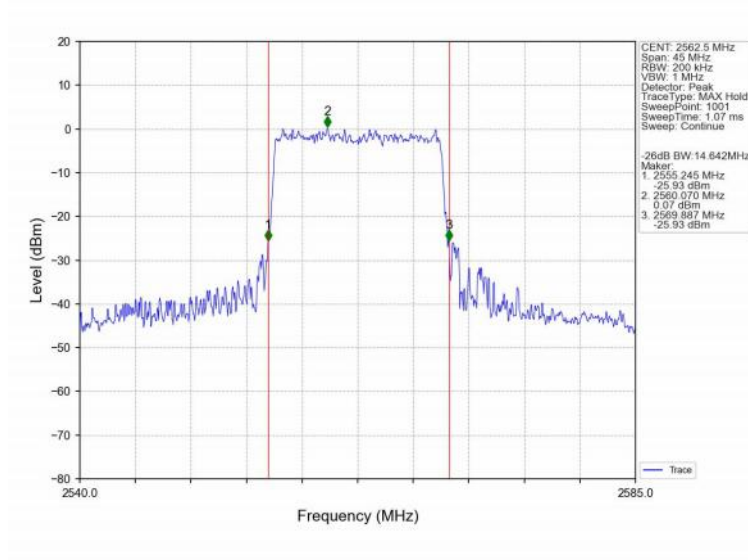


Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV

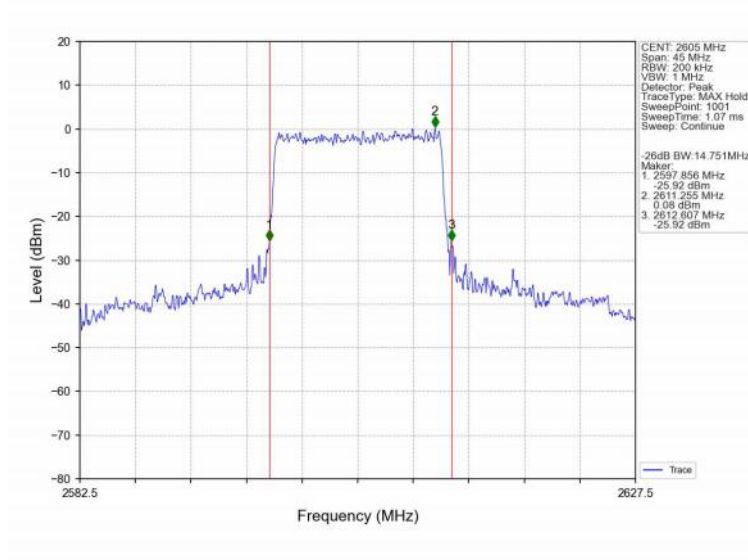




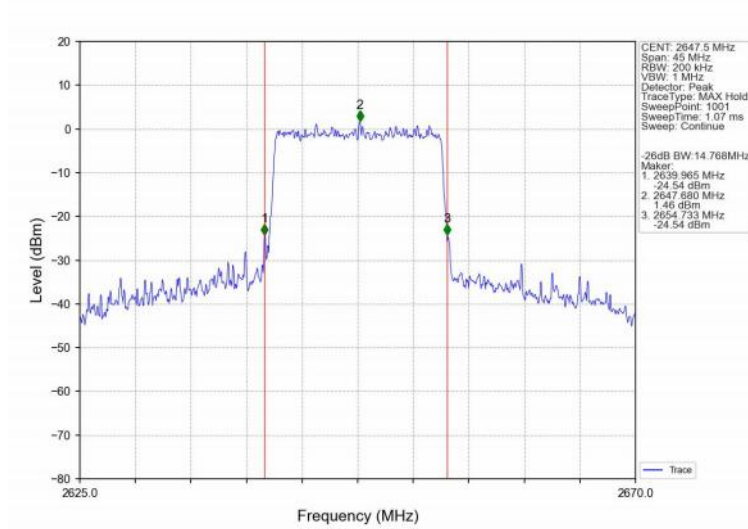
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



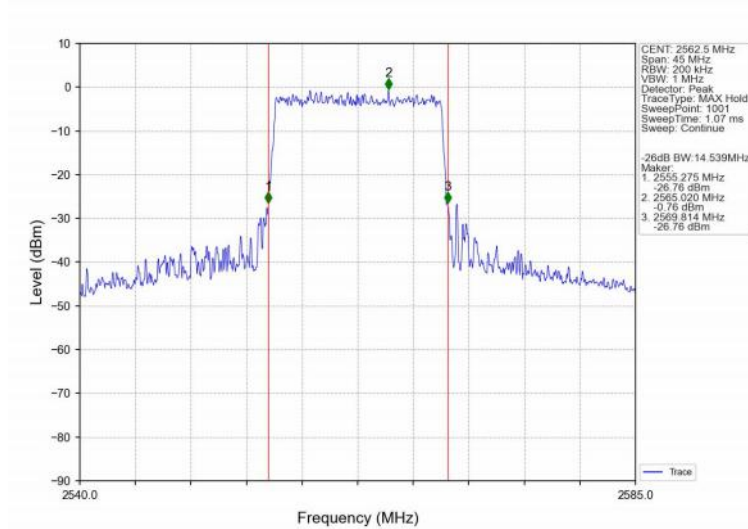
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



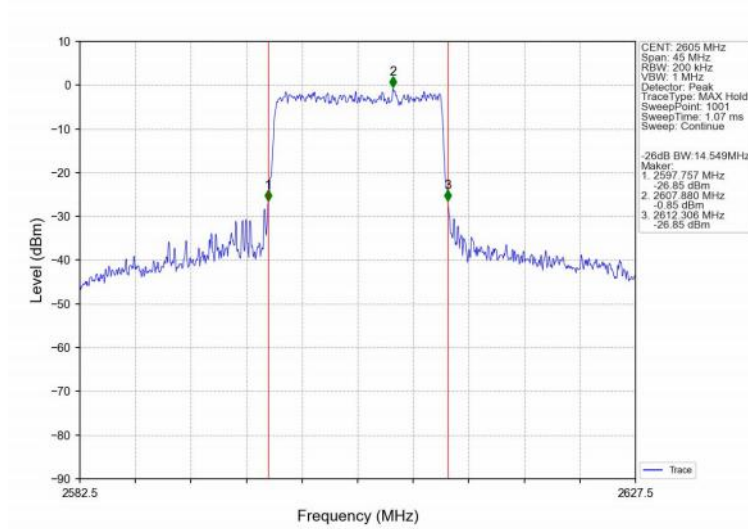
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



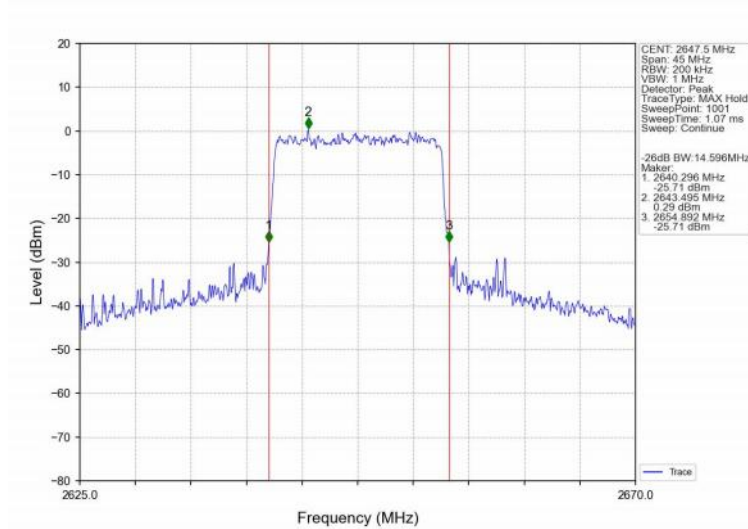
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



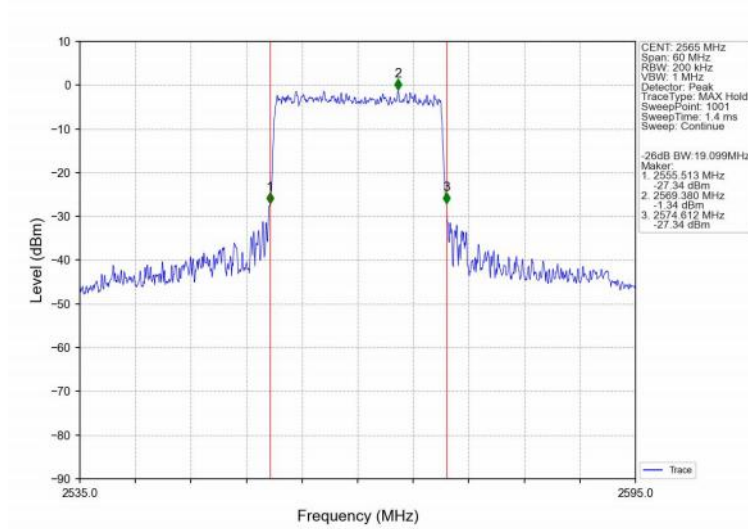
Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV



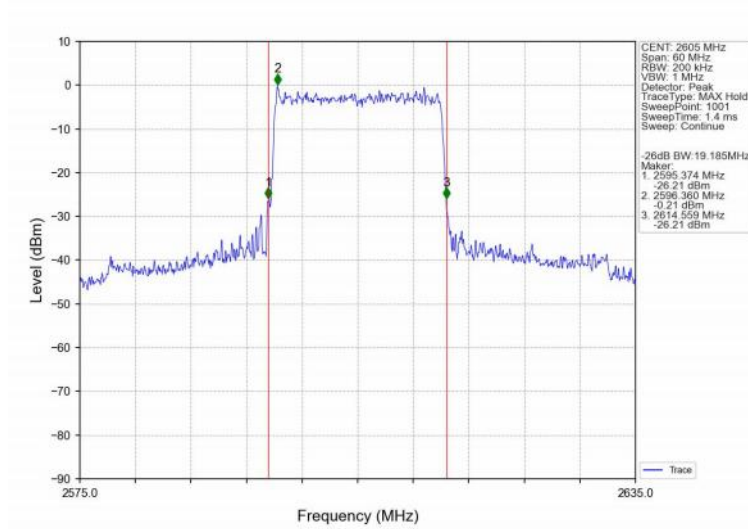
Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV



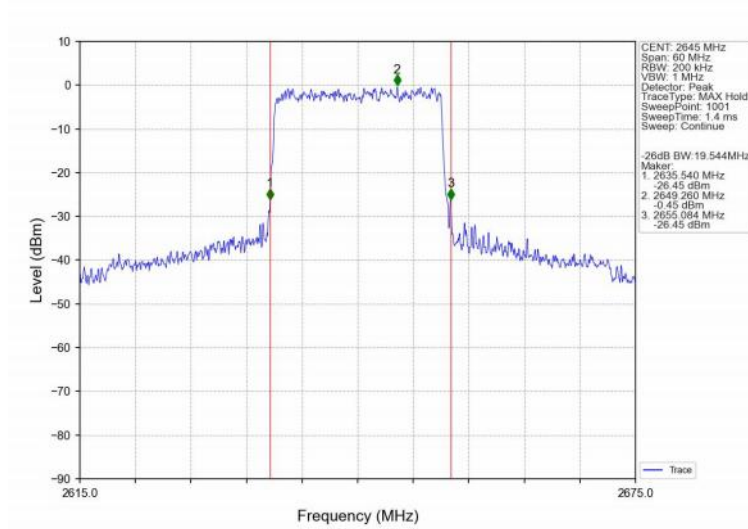
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



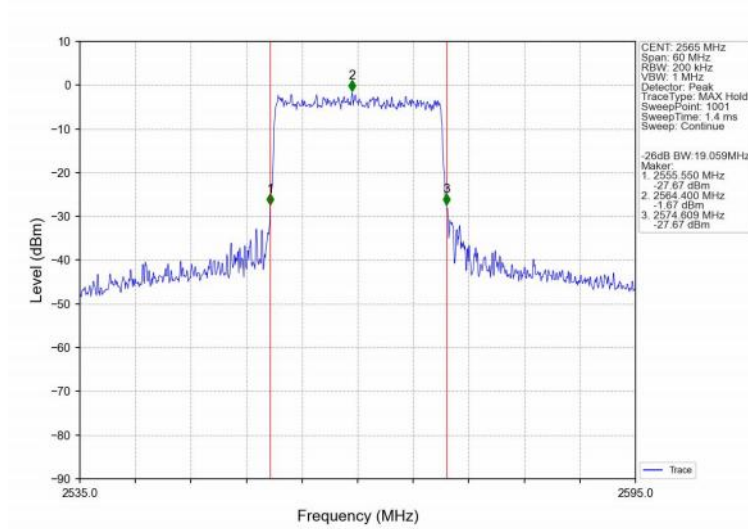
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



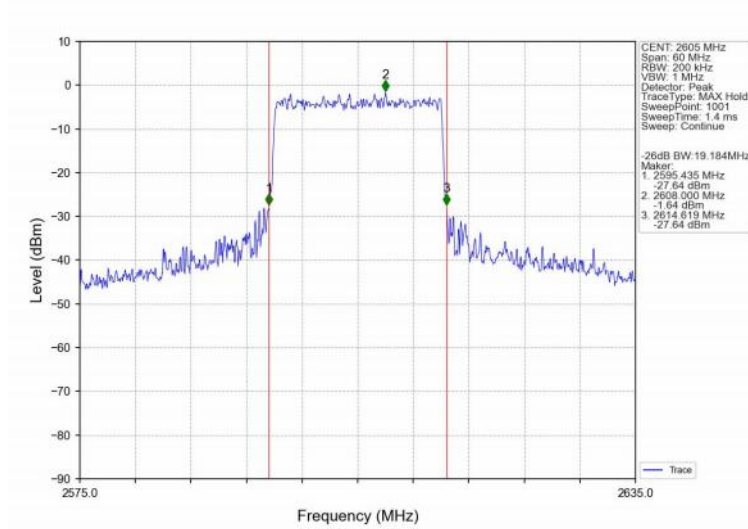
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



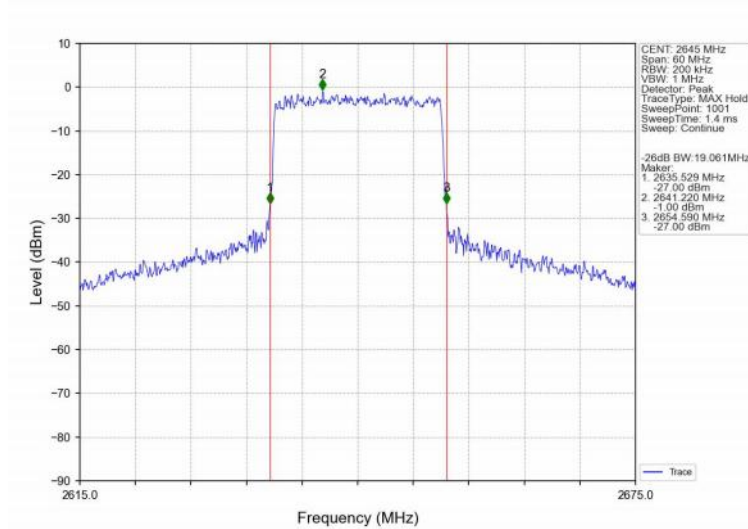
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_HCH_2645MHz_RB_100_0_NTNV



5. Peak-Average Ratio

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2557.5	25	0	7.64	<=13	Pass
	2605	25	0	7.22	<=13	Pass
	2652.5	25	0	7.08	<=13	Pass
16QAM	2557.5	25	0	8.24	<=13	Pass
	2605	25	0	7.87	<=13	Pass
	2652.5	25	0	7.82	<=13	Pass

5.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2560	50	0	7.64	<=13	Pass
	2605	50	0	7.25	<=13	Pass
	2650	50	0	7.14	<=13	Pass
16QAM	2560	50	0	8.40	<=13	Pass
	2605	50	0	7.92	<=13	Pass
	2650	50	0	7.92	<=13	Pass

5.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2562.5	75	0	7.42	<=13	Pass
	2605	75	0	7.47	<=13	Pass
	2647.5	75	0	7.18	<=13	Pass
16QAM	2562.5	75	0	8.23	<=13	Pass
	2605	75	0	8.03	<=13	Pass
	2647.5	75	0	8.02	<=13	Pass

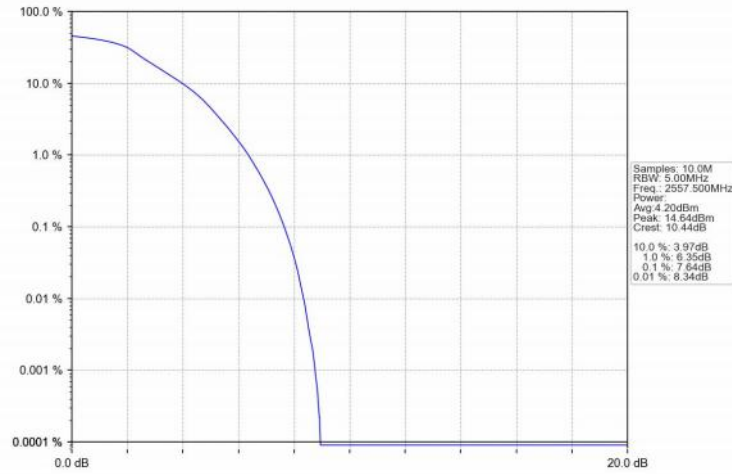
5.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	100	0	7.68	<=13	Pass
	2605	100	0	7.72	<=13	Pass
	2645	100	0	7.57	<=13	Pass
16QAM	2565	100	0	8.62	<=13	Pass
	2605	100	0	8.53	<=13	Pass
	2645	100	0	8.52	<=13	Pass

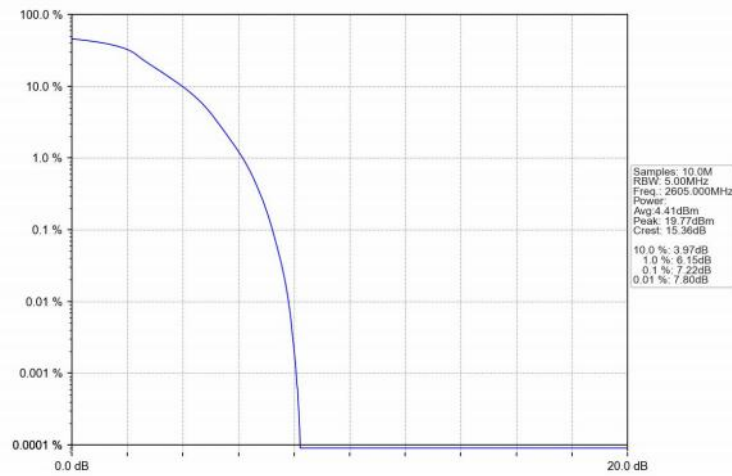
5.2 Test Graph

5.2.1 B41_5MHz

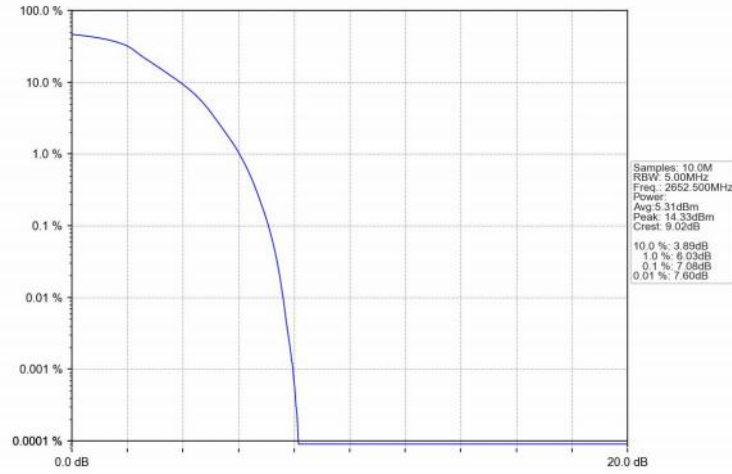
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



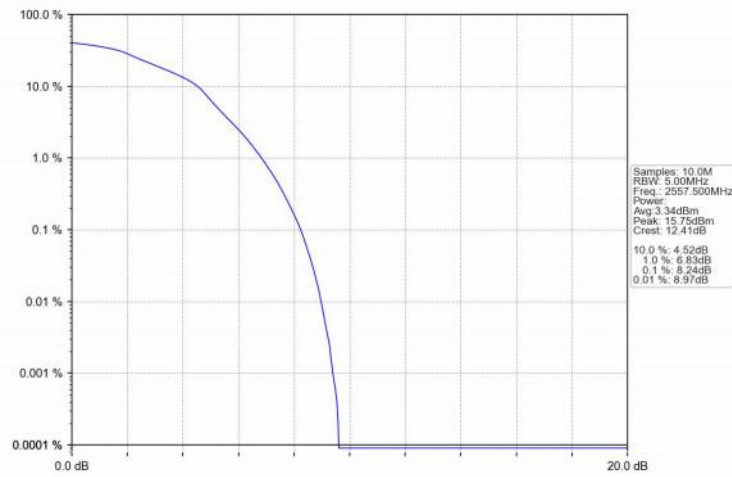
Band41_5MHz_QPSK_MCH_2605MHz_RB_25_0_NTNV



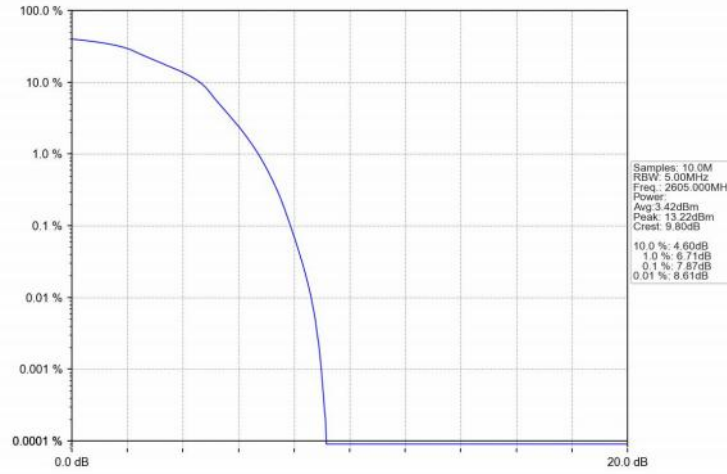
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



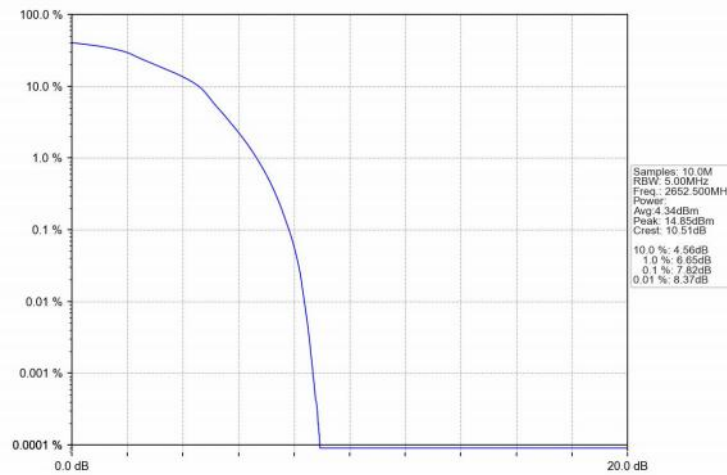
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV



Band41_5MHz_16QAM_MCH_2605MHz_RB_25_0_NTNV

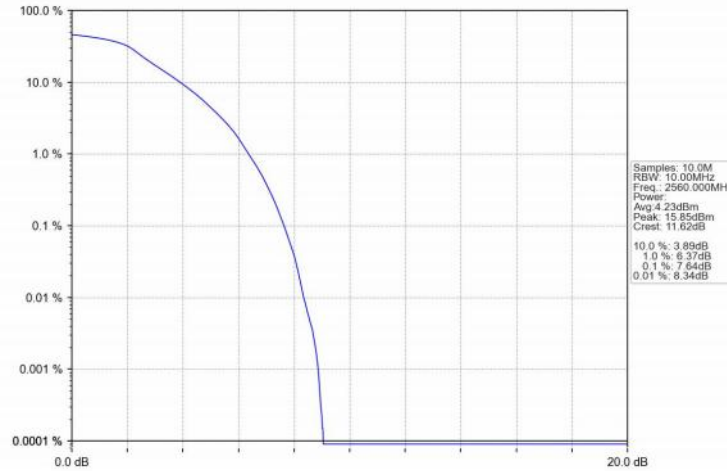


Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV

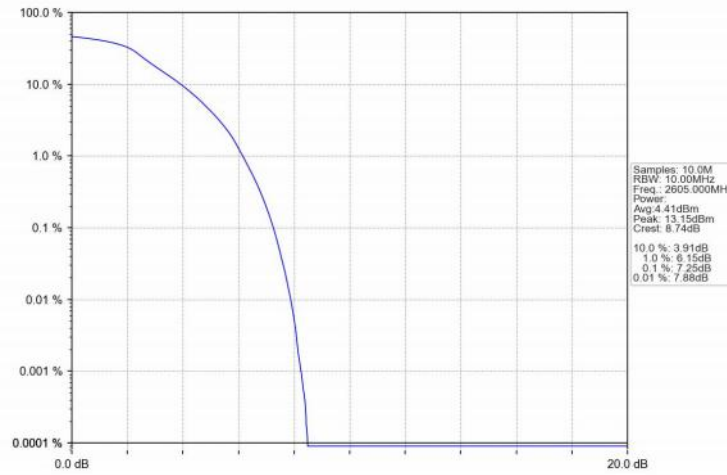


5.2.2 B41_10MHz

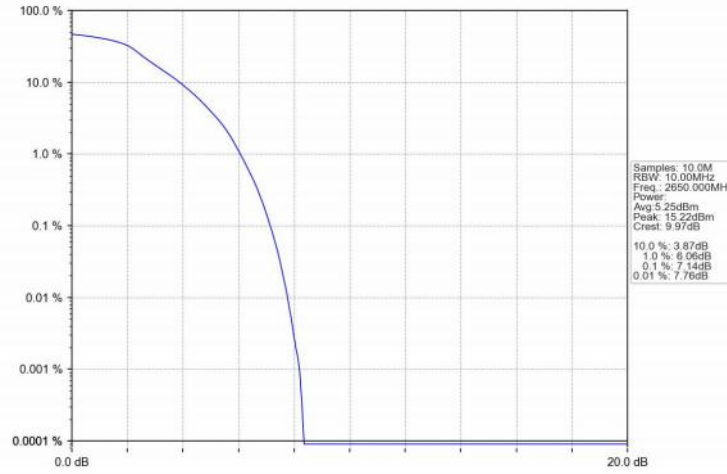
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



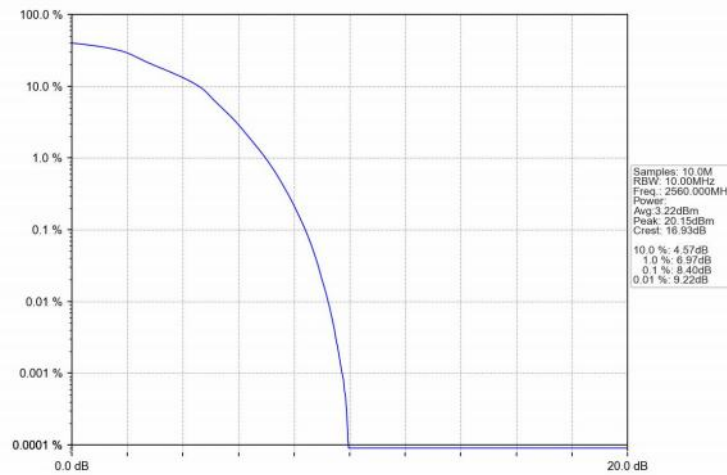
Band41_10MHz_QPSK_MCH_2605MHz_RB_50_0_NTNV



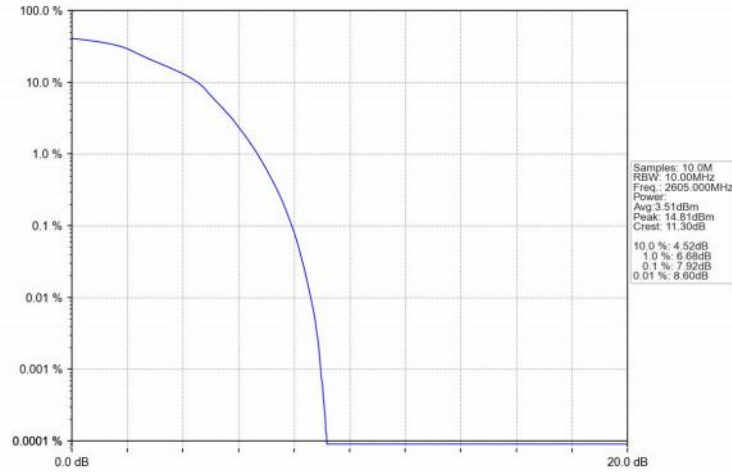
Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV



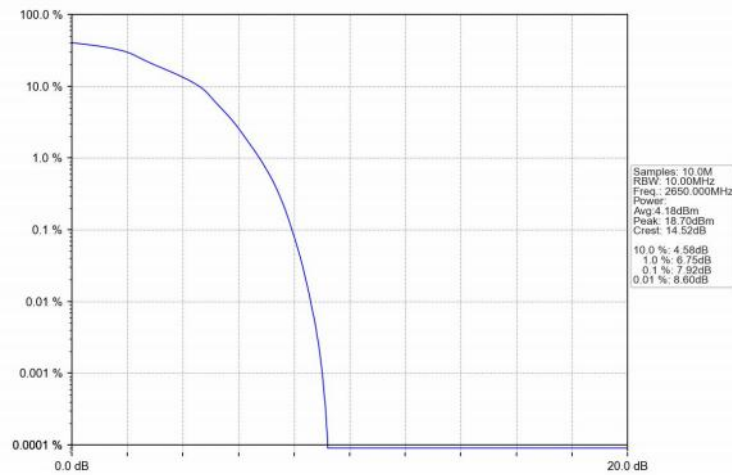
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



Band41_10MHz_16QAM_MCH_2605MHz_RB_50_0_NTNV

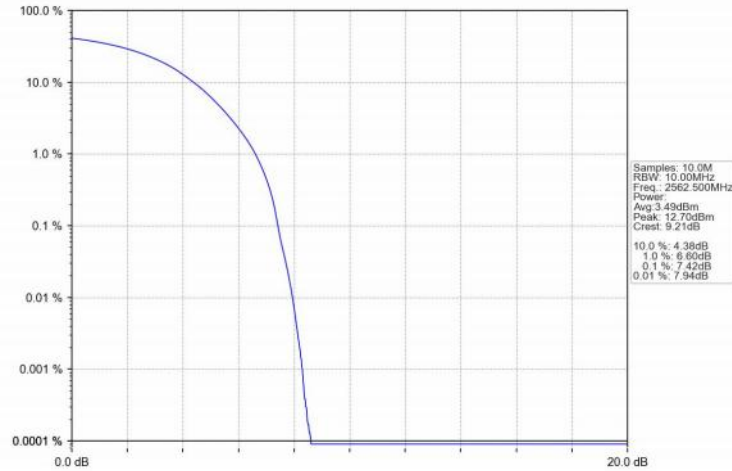


Band41_10MHz_16QAM_HCH_2650MHz_RB_50_0_NTNV

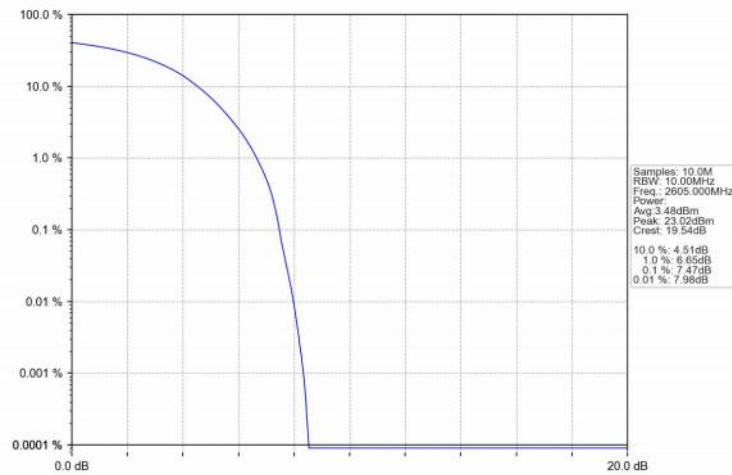


5.2.3 B41_15MHz

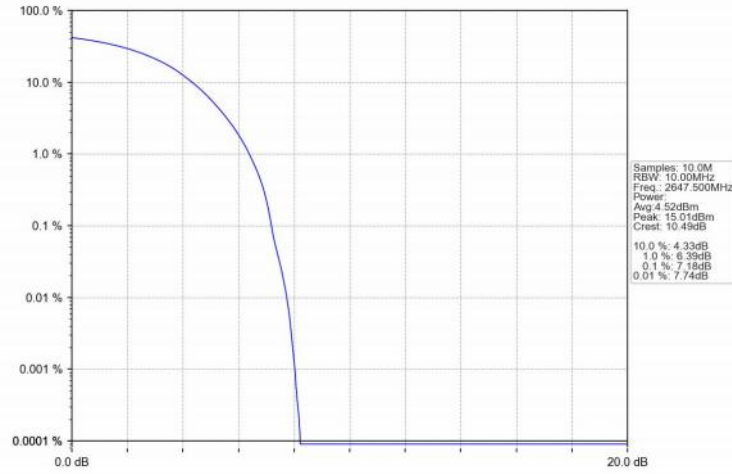
Band41_15MHz_QPSK_LCH_2562.5MHz_RB_75_0_NTNV



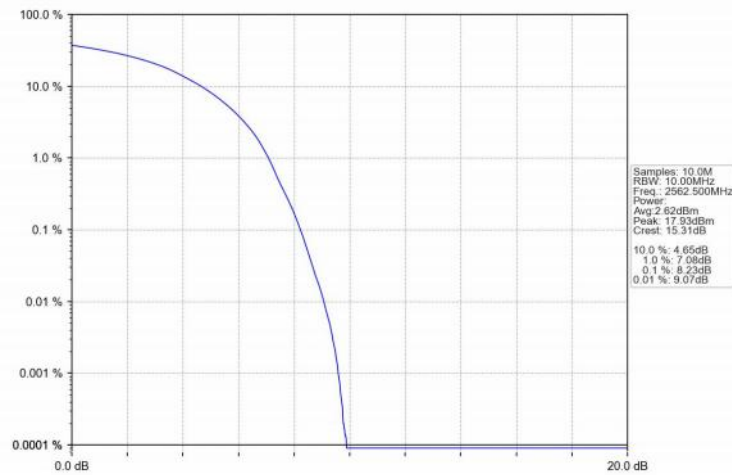
Band41_15MHz_QPSK_MCH_2605MHz_RB_75_0_NTNV



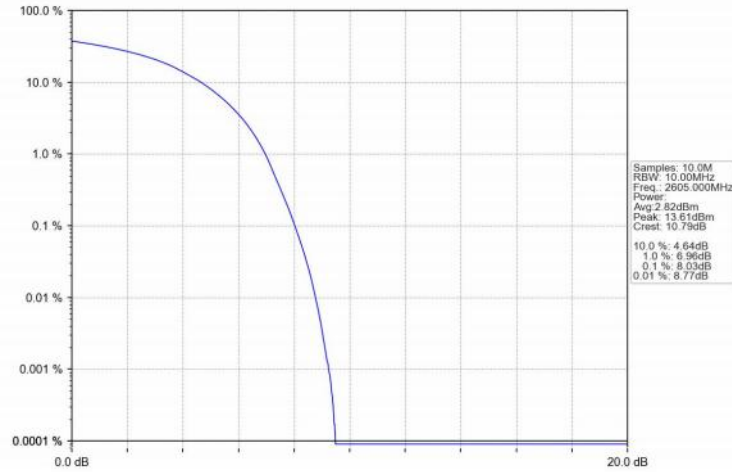
Band41_15MHz_QPSK_HCH_2647.5MHz_RB_75_0_NTNV



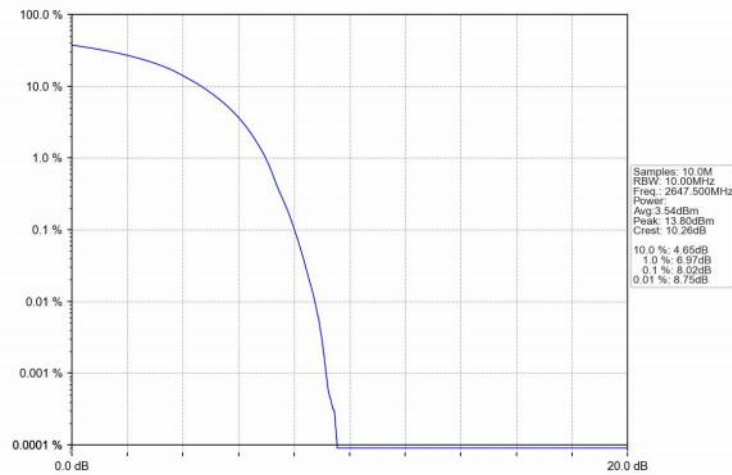
Band41_15MHz_16QAM_LCH_2562.5MHz_RB_75_0_NTNV



Band41_15MHz_16QAM_MCH_2605MHz_RB_75_0_NTNV

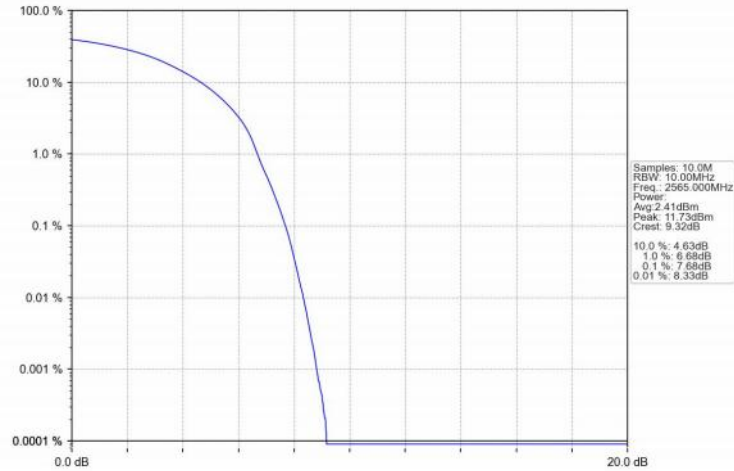


Band41_15MHz_16QAM_HCH_2647.5MHz_RB_75_0_NTNV

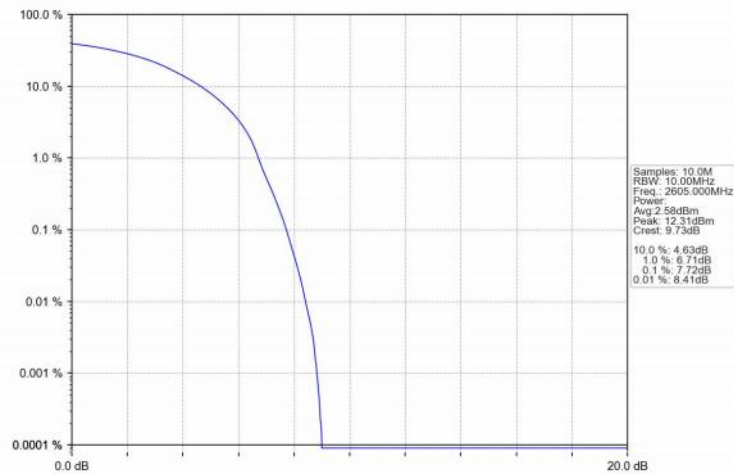


5.2.4 B41_20MHz

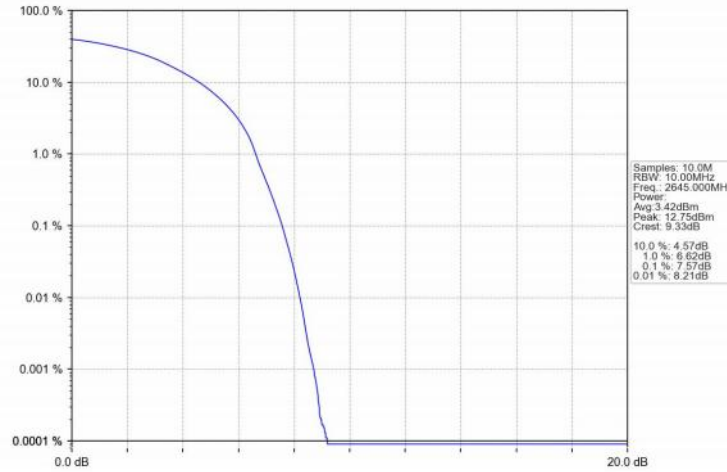
Band41_20MHz_QPSK_LCH_2565MHz_RB_100_0_NTNV



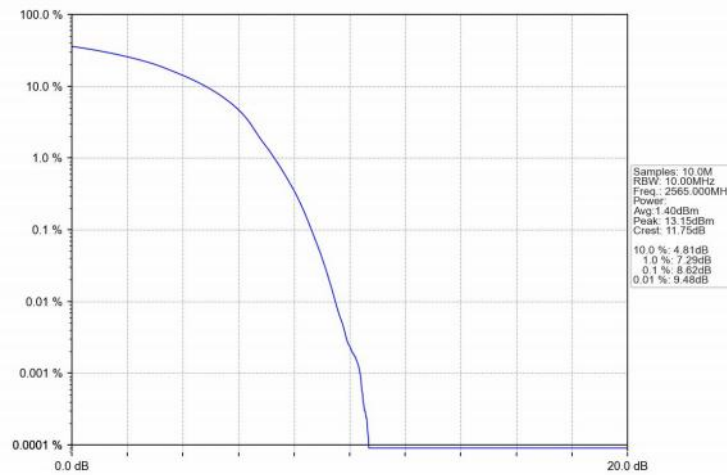
Band41_20MHz_QPSK_MCH_2605MHz_RB_100_0_NTNV



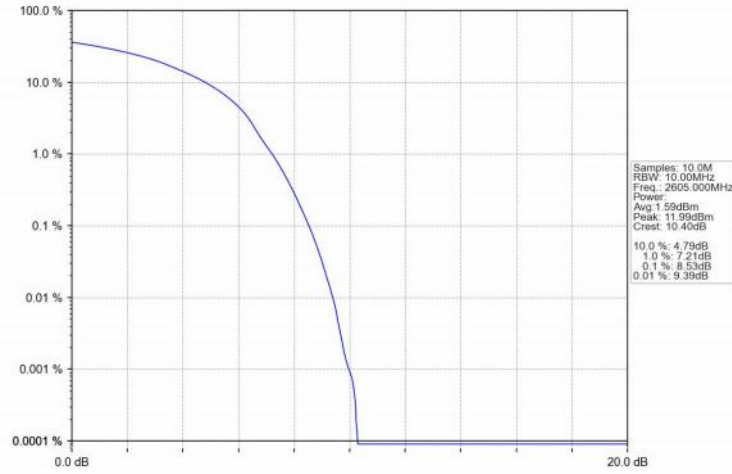
Band41_20MHz_QPSK_HCH_2645MHz_RB_100_0_NTNV



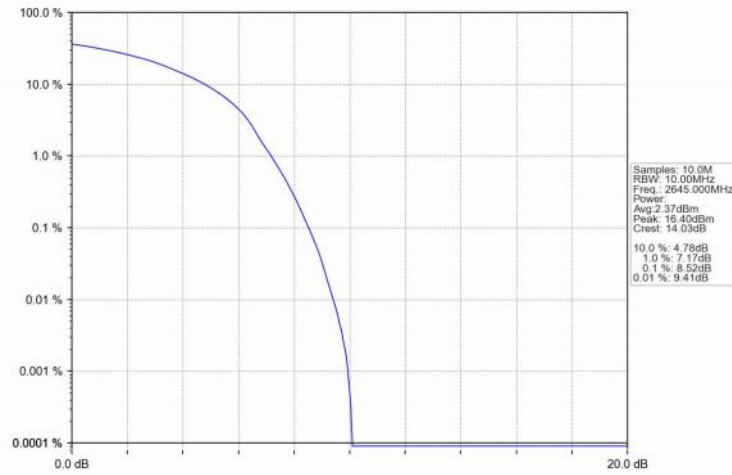
Band41_20MHz_16QAM_LCH_2565MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2605MHz_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	2557.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
		2652.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass
16QAM	2557.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
		2652.5	1	0	Refer To Test Graph	
	24			Refer To Test Graph		Pass
	25		0	Refer To Test Graph		Pass

6.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2560	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2605	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	2560	1	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
	2605	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 / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2562.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2605	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	2562.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass

	2605	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

6.1.4 B41_20MHz

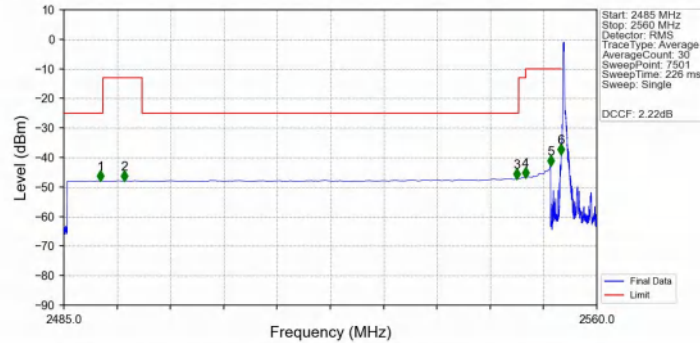
Band: 41 / Bandwidth: 20MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2565	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2605	1	0	Refer To Test Graph		Pass
	2645	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2565	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2605	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

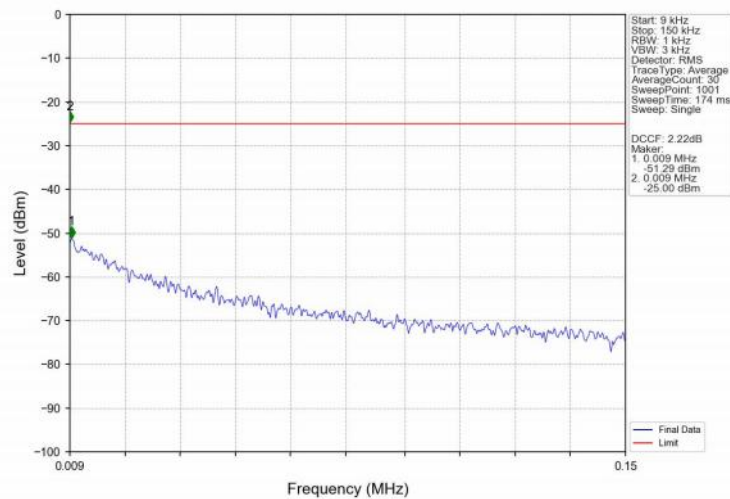
6.2.1 B41_5MHz

Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV

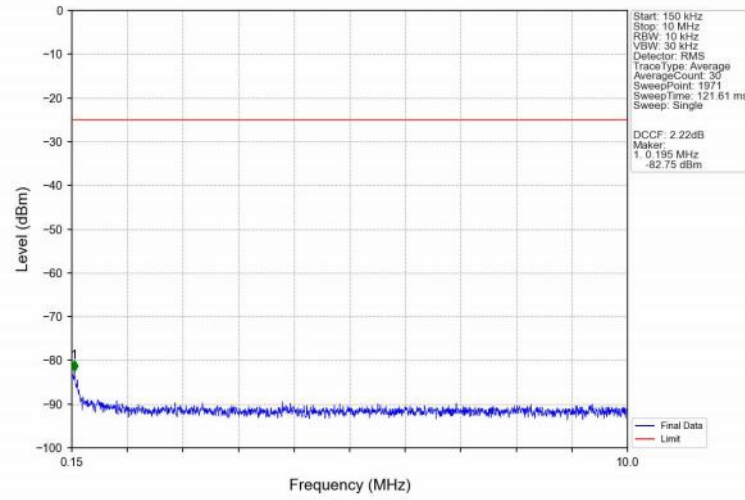


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.170	-47.87	-25	Pass
2490.5	2496	1	CHP	2	2493.540	-47.86	-13	Pass
2496	2549	1	CHP	3	2548.750	-47.18	-25	Pass
2549	2550	1	CHP	4	2549.980	-46.79	-13	Pass
2550	2554	1	CHP	5	2553.500	-42.72	-10	Pass
2554	2555	0.02	/	6	2554.990	-38.78	-10	Pass
2555	2560	0.02	/	/	/	/	/	/

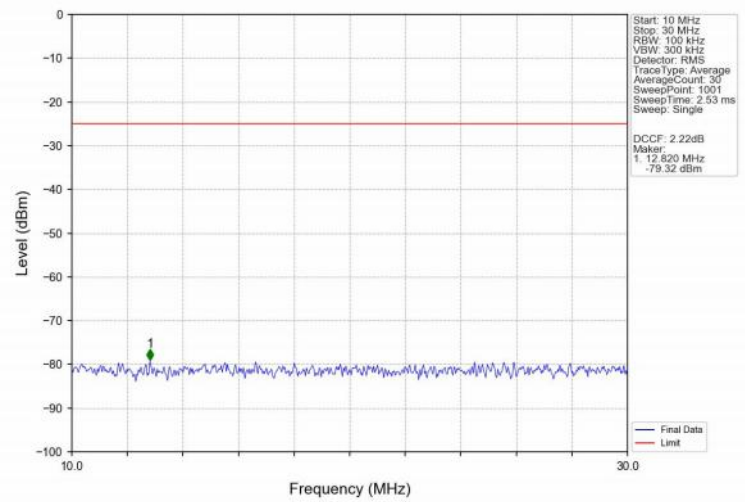
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV

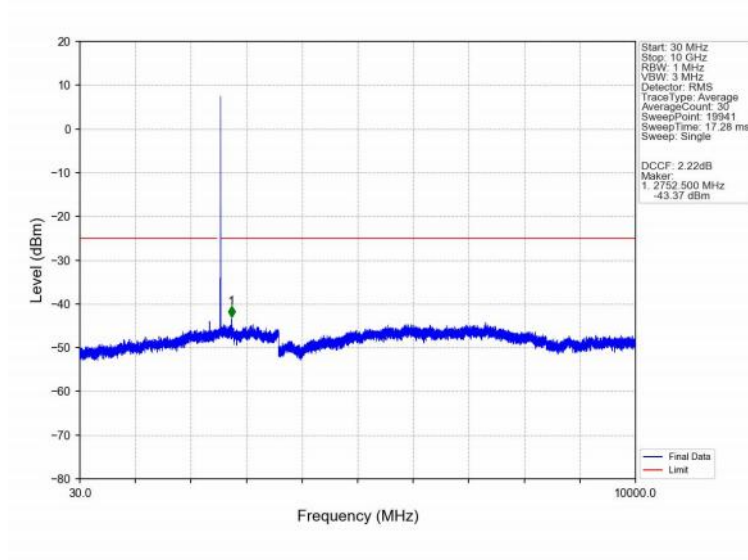


Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV

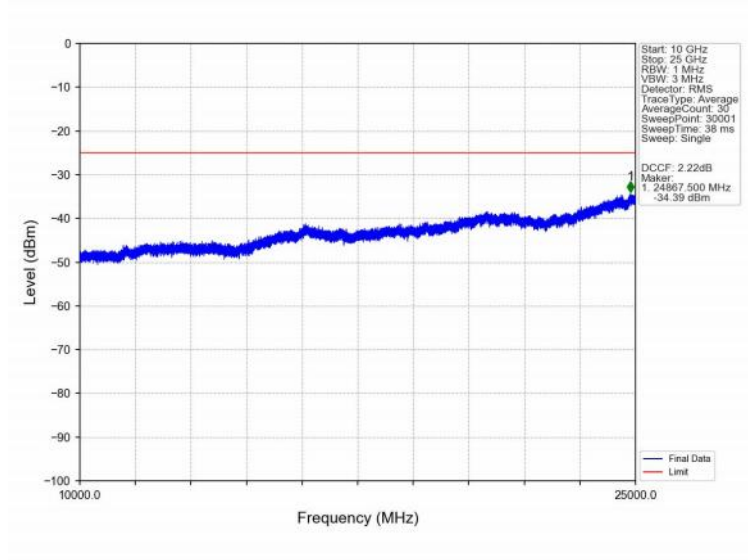




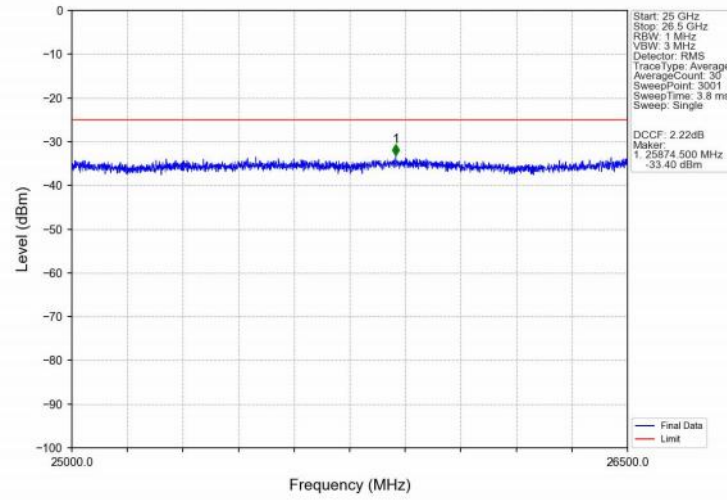
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



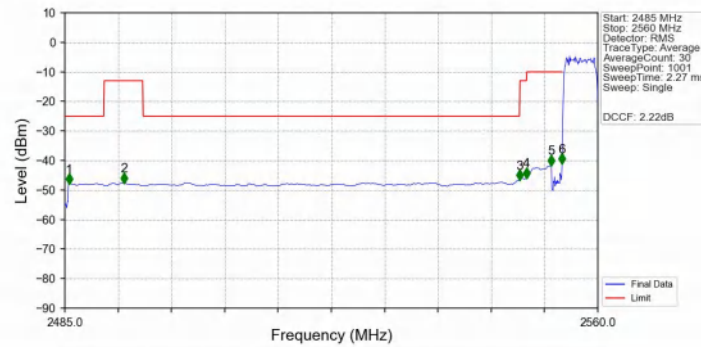
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2557.5MHz_RB_1_0_NTNV



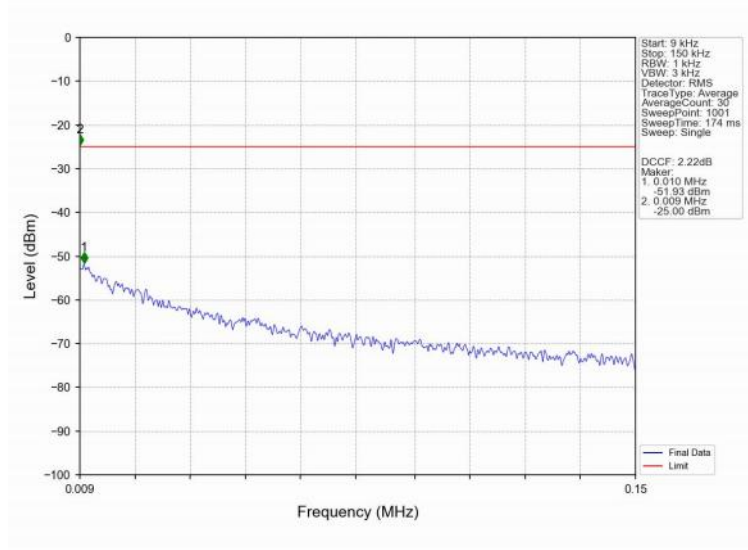
Band41_5MHz_QPSK_LCH_2557.5MHz_RB_25_0_NTNV



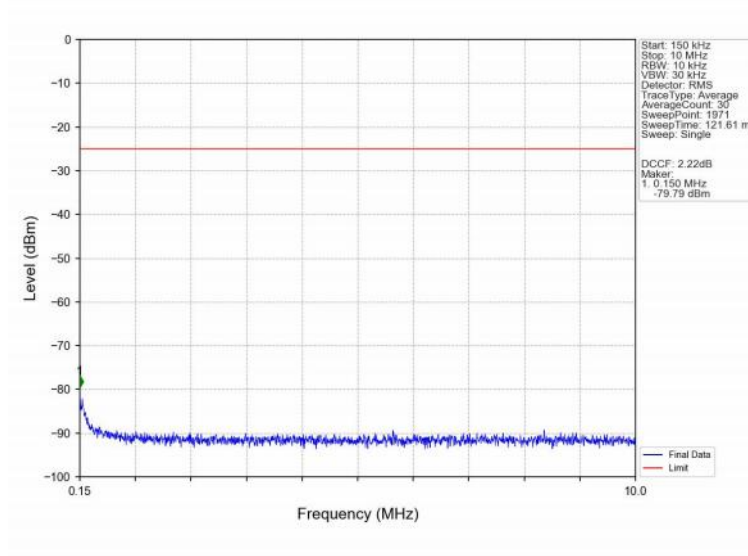
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.600	-47.77	-25	Pass
2490.5	2496	1	CHP	2	2493.325	-47.52	-13	Pass
2496	2549	1	CHP	3	2548.975	-46.60	-25	Pass
2549	2550	1	CHP	4	2549.950	-45.79	-13	Pass
2550	2554	1	CHP	5	2553.400	-41.50	-10	Pass
2554	2555	0.2	/	6	2554.975	-41.04	-10	Pass
2555	2560	0.2	/	/	/	/	/	/



Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

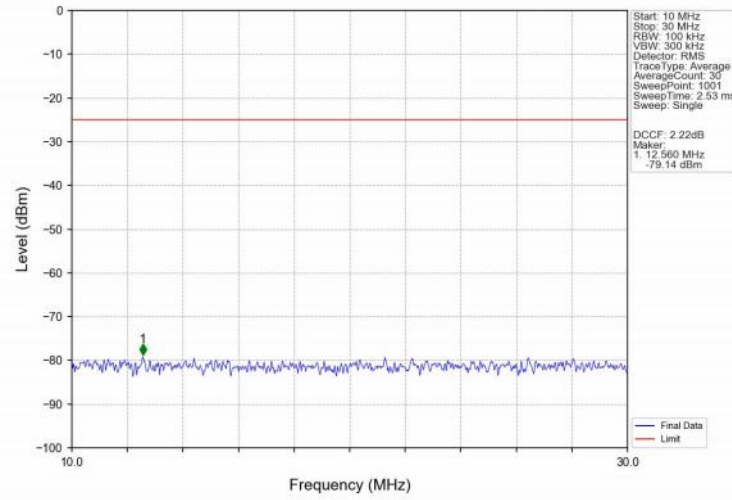


Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

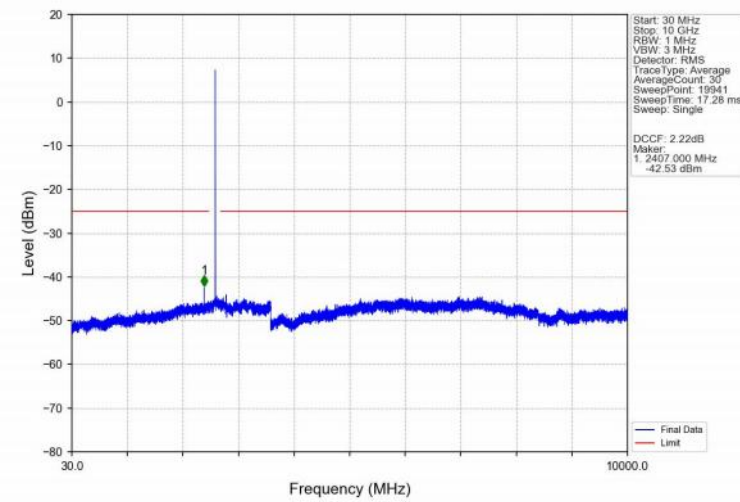




Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

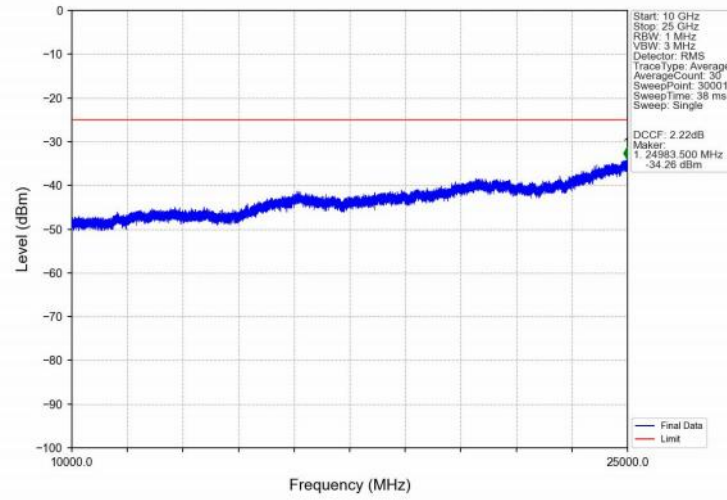


Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

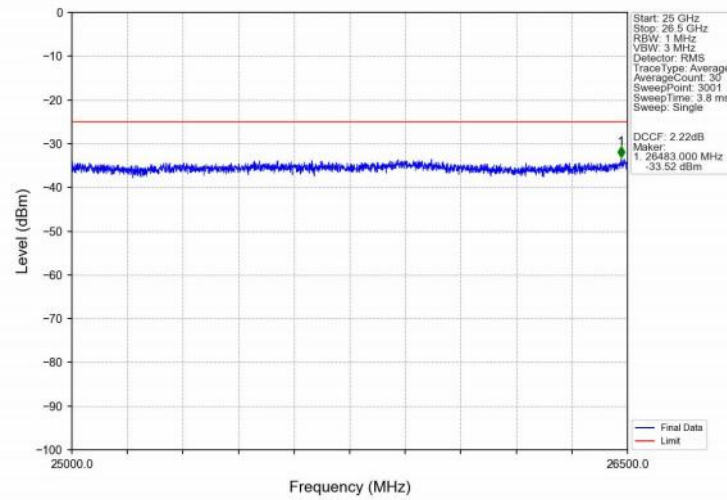




Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

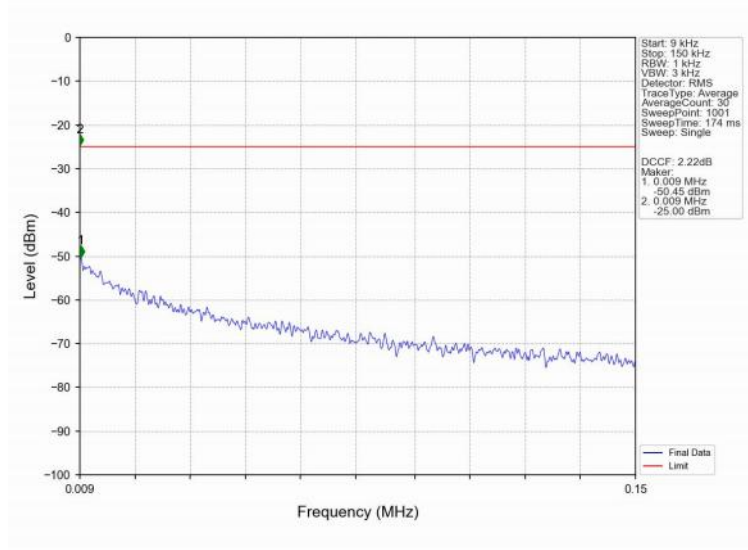


Band41_5MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

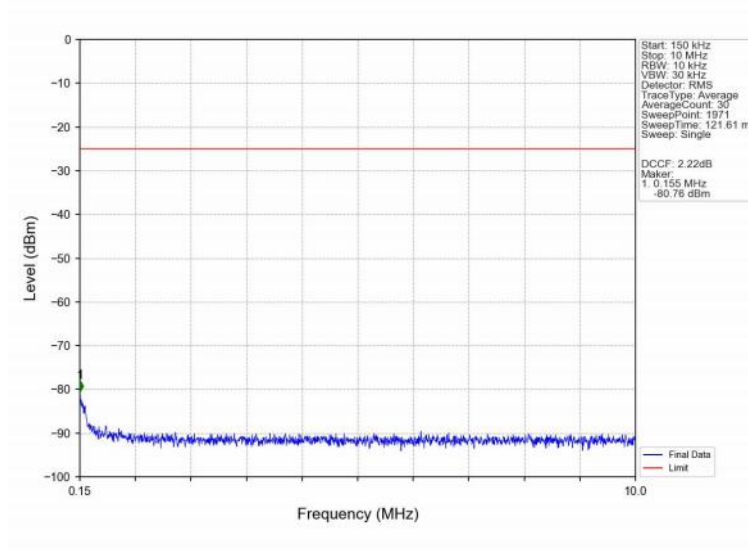




Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV

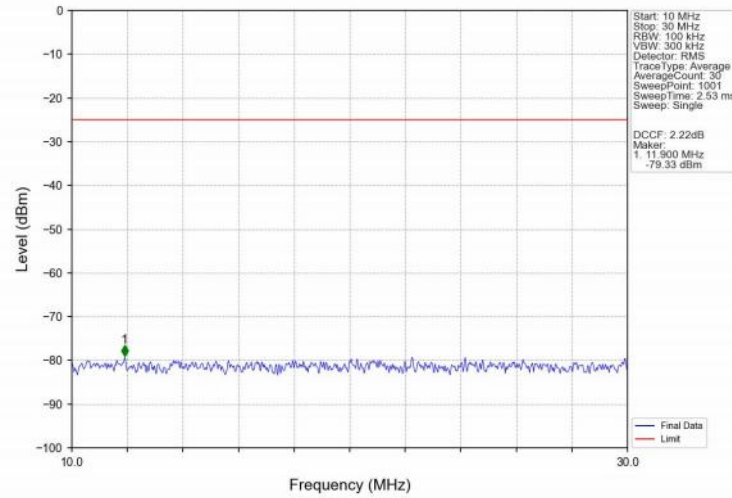


Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV

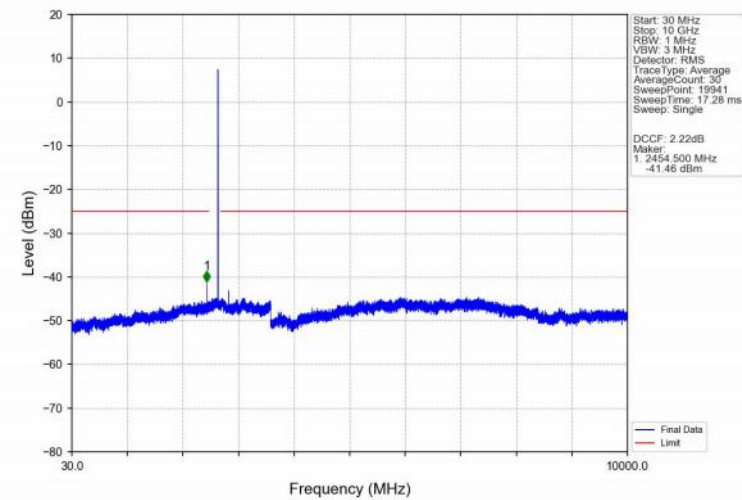




Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV

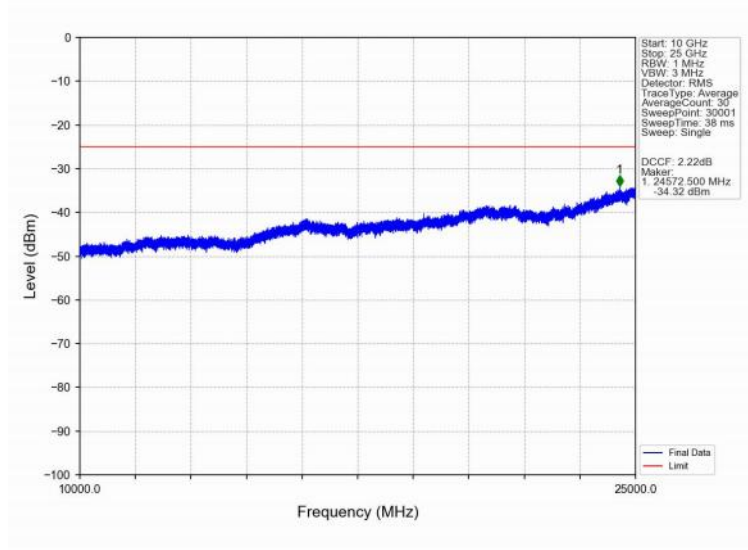


Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV

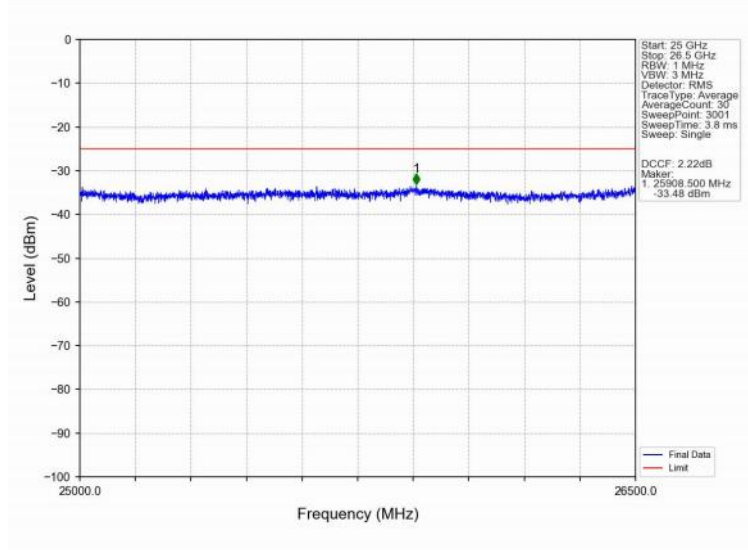




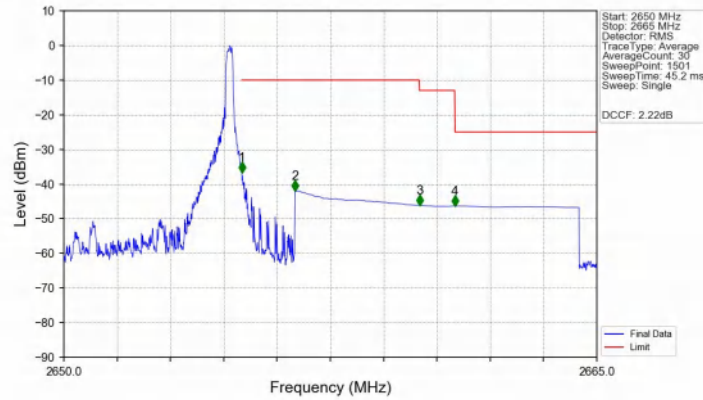
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_0_NTNV

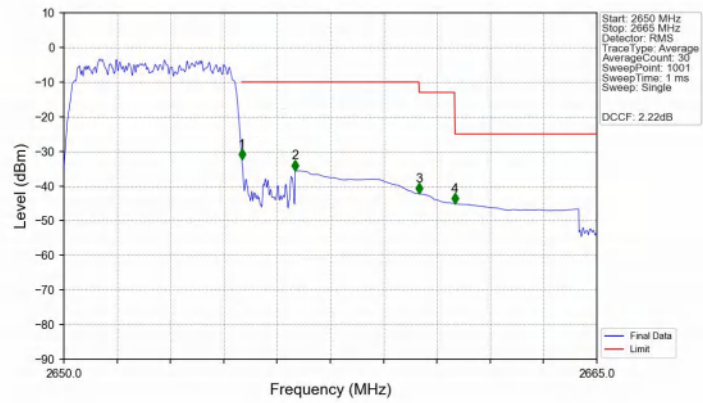


Band41_5MHz_QPSK_HCH_2652.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2650	2655	0.02	/	/	/	/	/	/
2655	2656	0.02	/	1	2655.010	-36.80	-10	Pass
2656	2660	1	CHP	2	2656.510	-42.05	-10	Pass
2660	2661	1	CHP	3	2660.020	-46.18	-13	Pass
2661	2665	1	CHP	4	2661.010	-46.35	-25	Pass

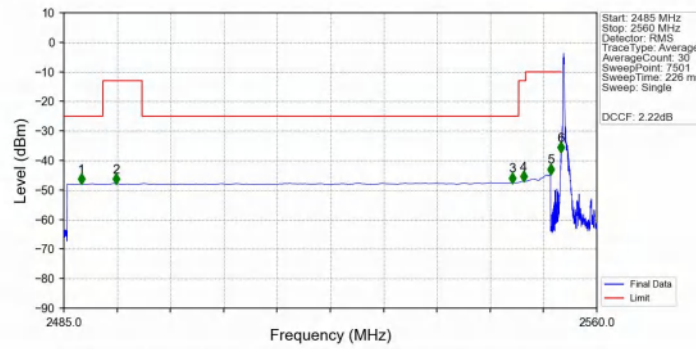
Band41_5MHz_QPSK_HCH_2652.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2650	2655	0.2	/	/	/	/	/	/
2655	2656	0.2	/	1	2655.010	-32.32	-10	Pass
2656	2660	1	CHP	2	2656.510	-35.57	-10	Pass
2660	2661	1	CHP	3	2660.005	-42.26	-13	Pass
2661	2665	1	CHP	4	2661.010	-45.11	-25	Pass

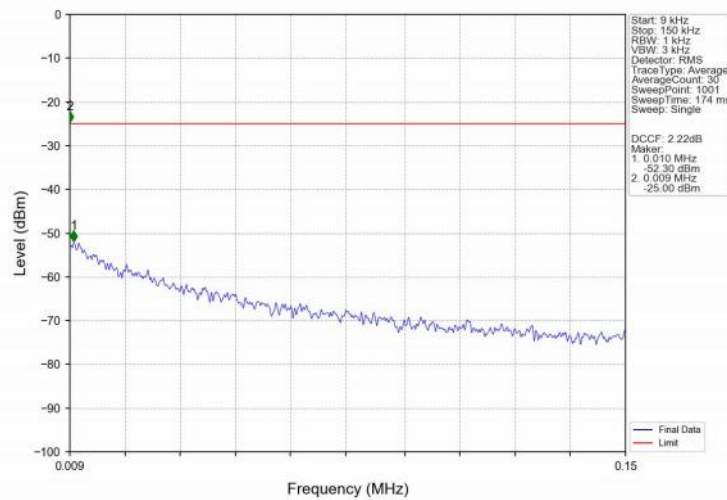


Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



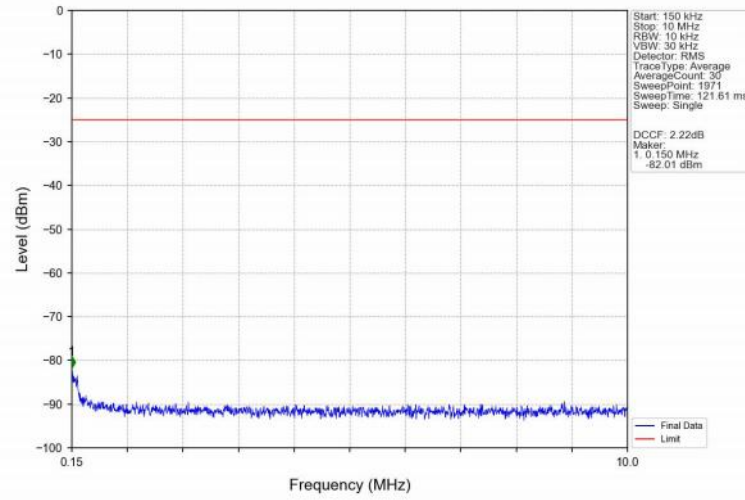
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2487.470	-47.88	-25	Pass
2490.5	2496	1	CHP	2	2492.380	-47.79	-13	Pass
2496	2549	1	CHP	3	2548.090	-47.48	-25	Pass
2549	2550	1	CHP	4	2549.690	-46.97	-13	Pass
2550	2554	1	CHP	5	2553.490	-44.50	-10	Pass
2554	2555	0.02	/	6	2554.970	-37.11	-10	Pass
2555	2560	0.02	/	/	/	/	/	/

Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV

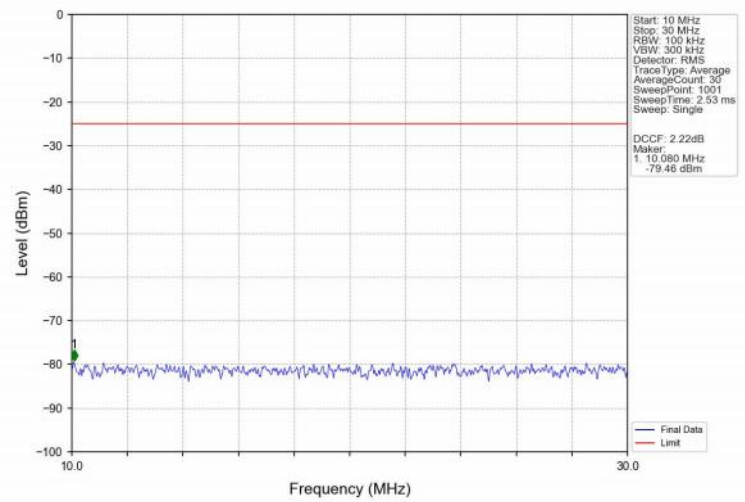




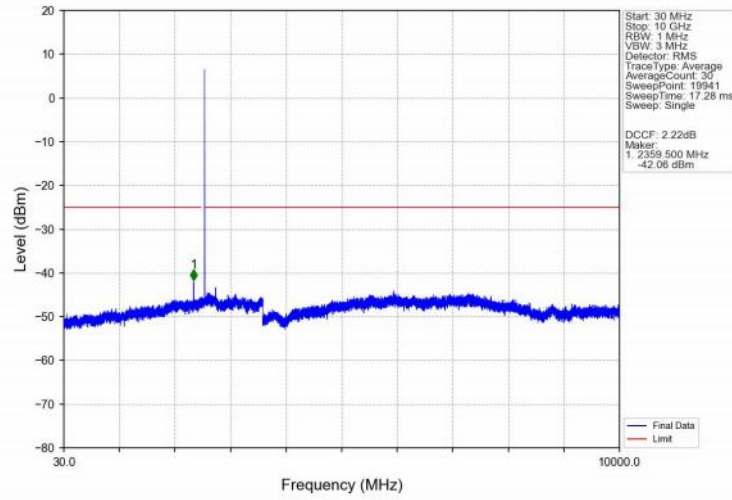
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



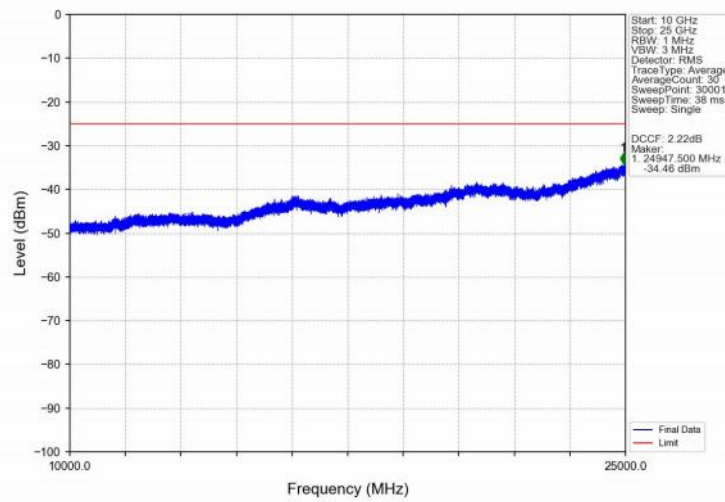
Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV

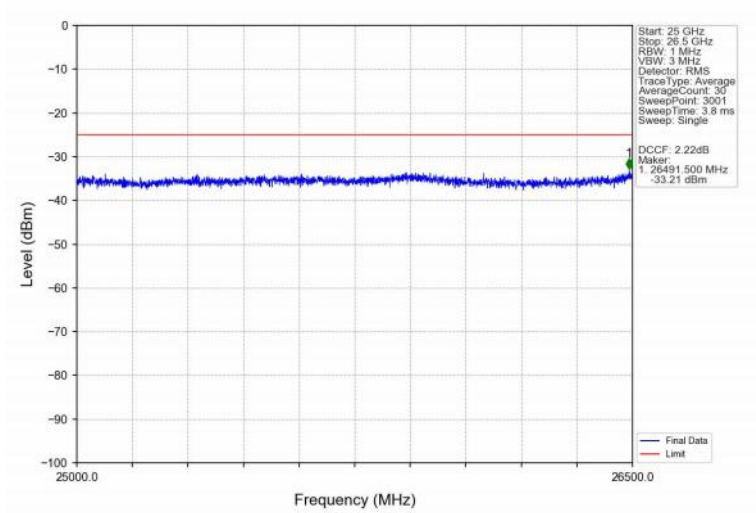


Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV

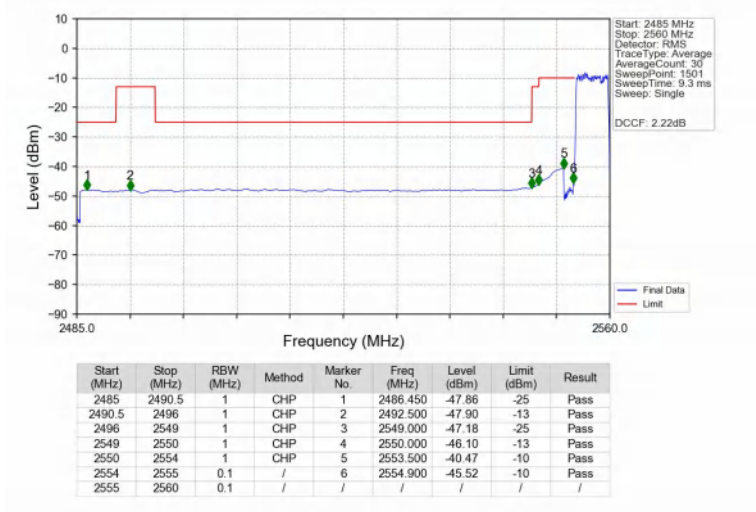




Band41_5MHz_16QAM_LCH_2557.5MHz_RB_1_0_NTNV

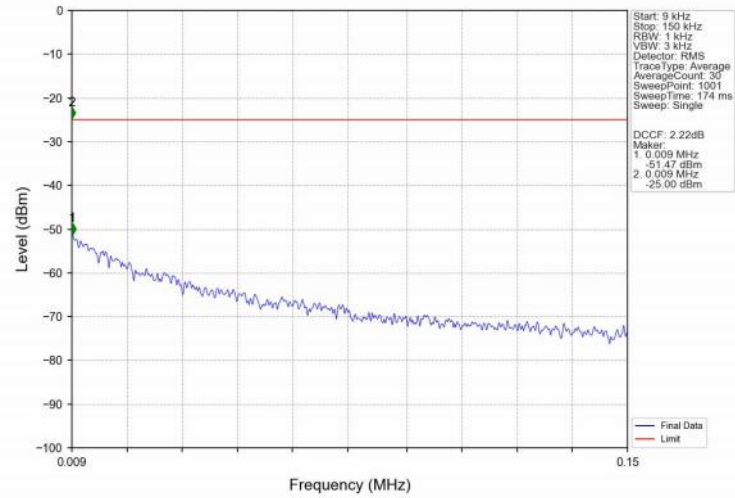


Band41_5MHz_16QAM_LCH_2557.5MHz_RB_25_0_NTNV

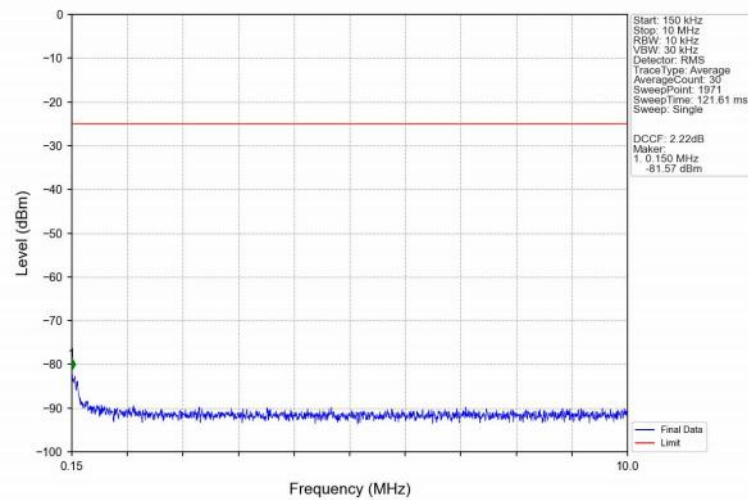




Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

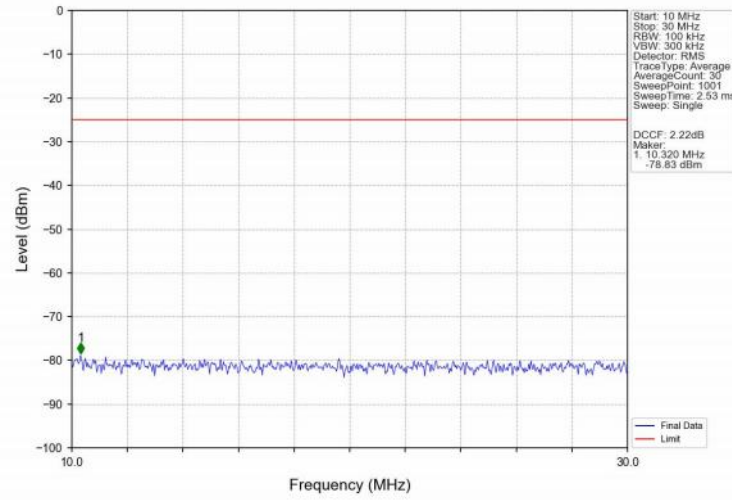


Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

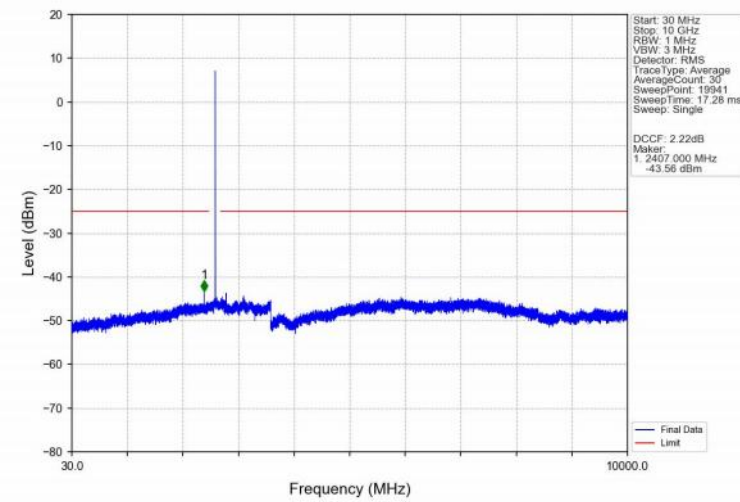




Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

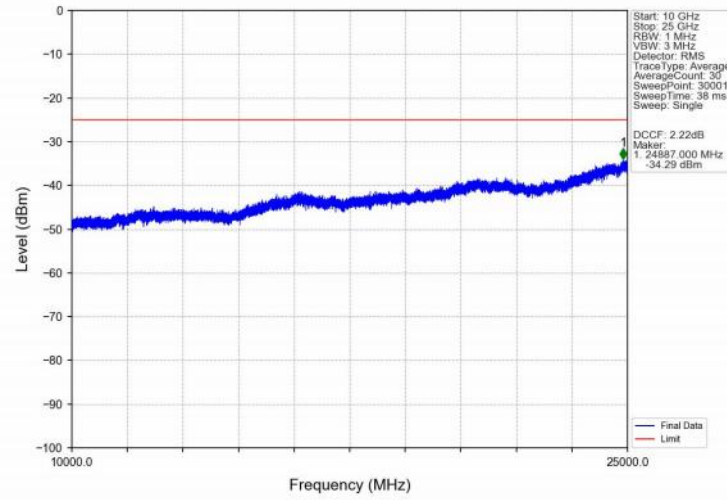


Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

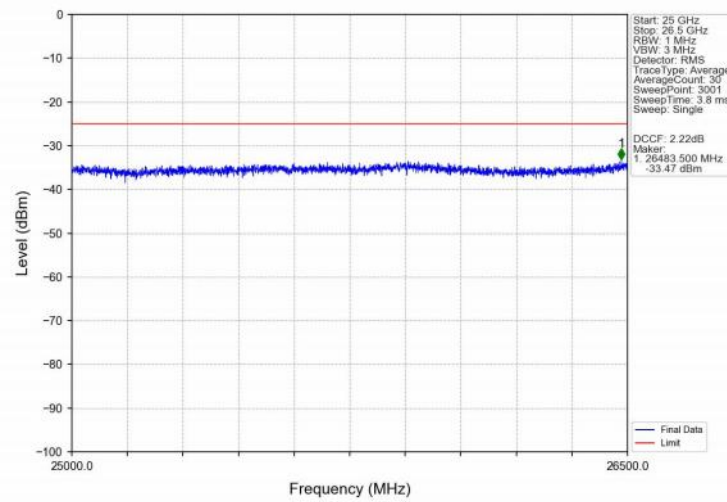




Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

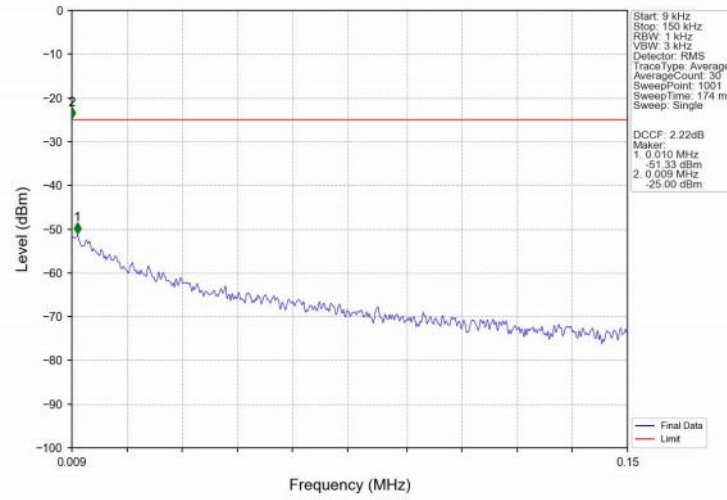


Band41_5MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

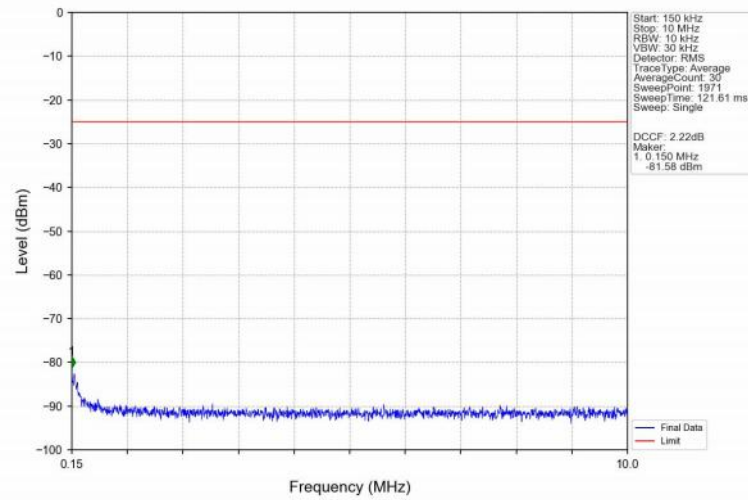




Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV

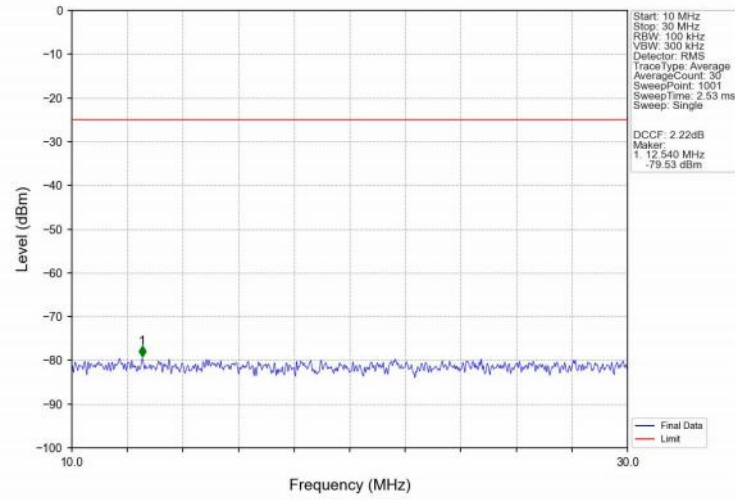


Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV

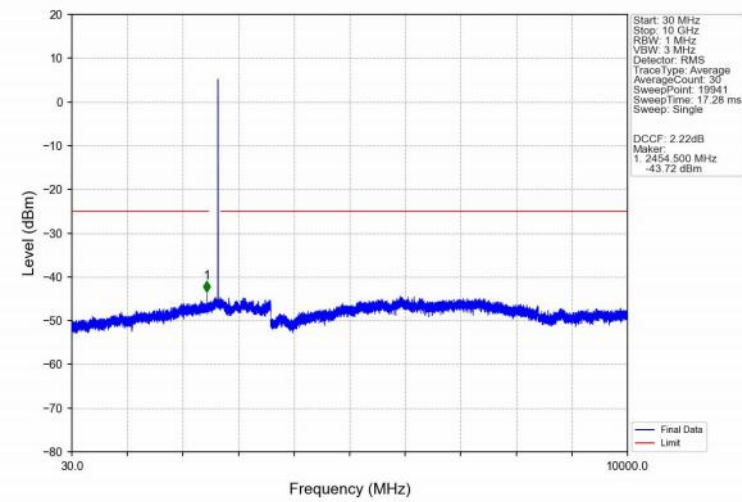




Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV

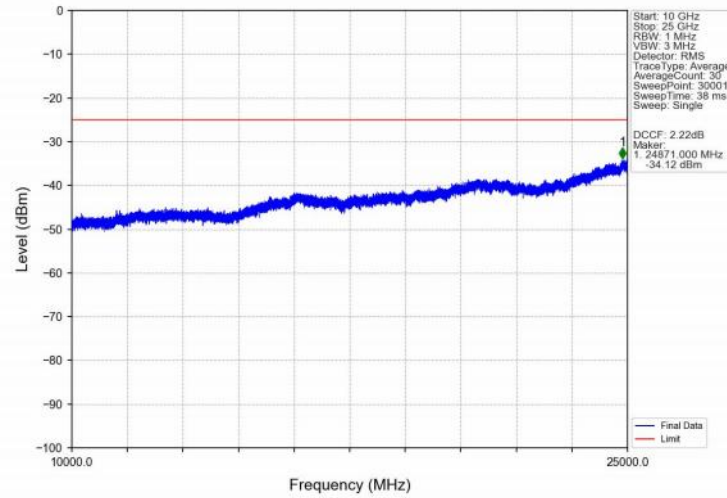


Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV

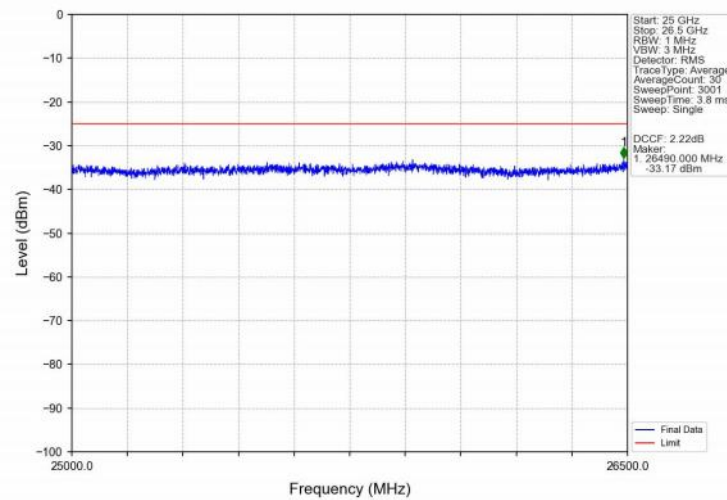




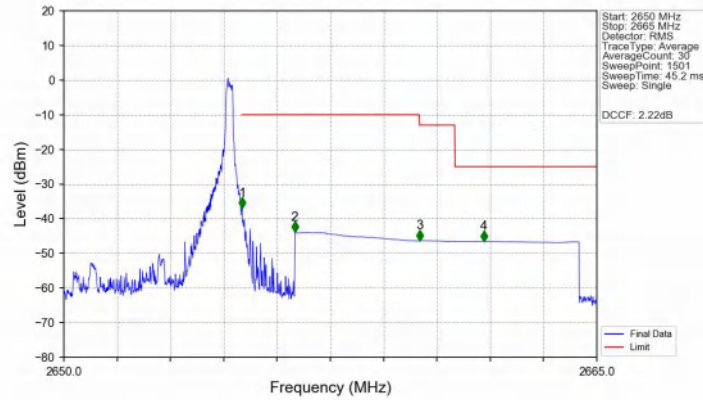
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



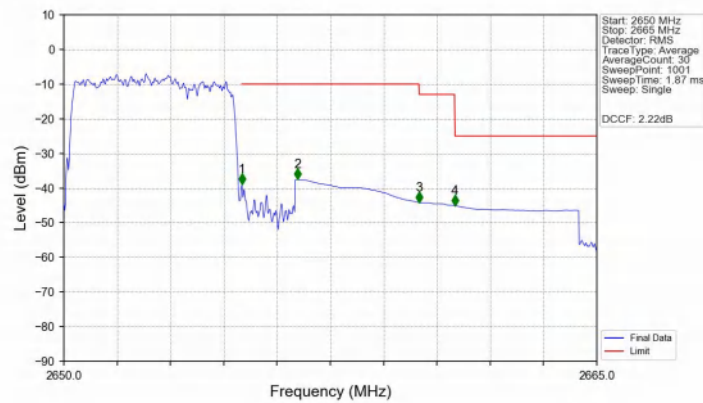
Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_0_NTNV



Band41_5MHz_16QAM_HCH_2652.5MHz_RB_1_24_NTNV

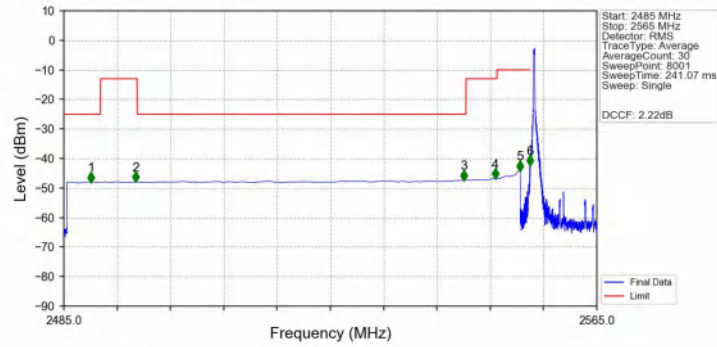


Band41_5MHz_16QAM_HCH_2652.5MHz_RB_25_0_NTNV



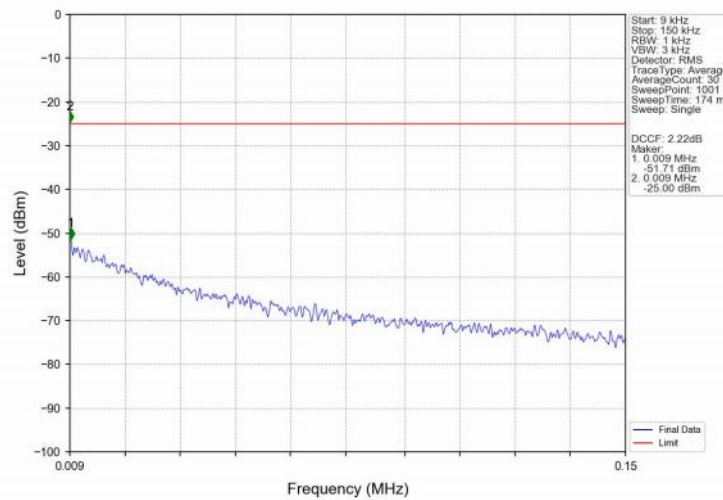
6.2.2 B41_10MHz

Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



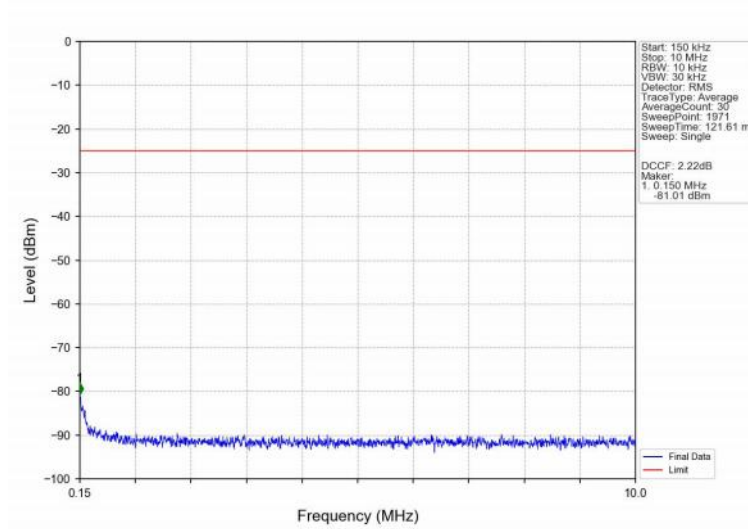
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.110	-47.89	-25	Pass
2490.5	2496	1	CHP	2	2495.770	-47.86	-13	Pass
2496	2545.361	1	CHP	3	2545.000	-47.26	-25	Pass
2545.361	2550	1	CHP	4	2549.750	-46.68	-13	Pass
2550	2554	1	CHP	5	2553.490	-44.07	-10	Pass
2554	2555	0.02	/	/	2554.990	-42.28	-10	Pass
2555	2565	0.02	/	/	/	/	/	/

Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV

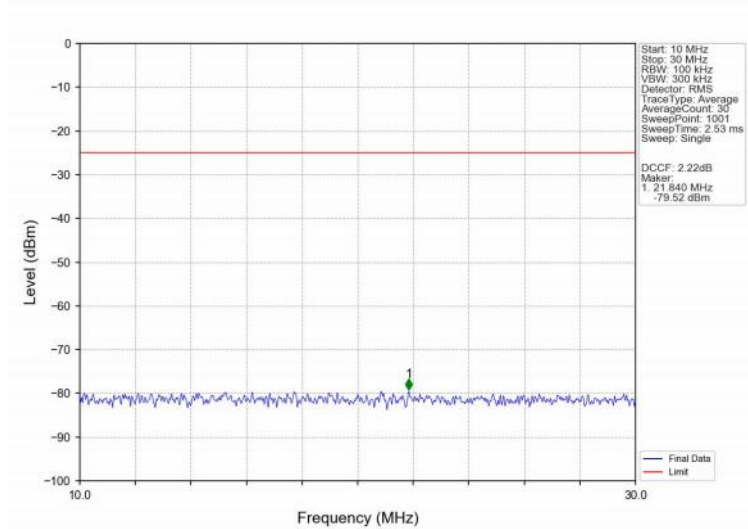




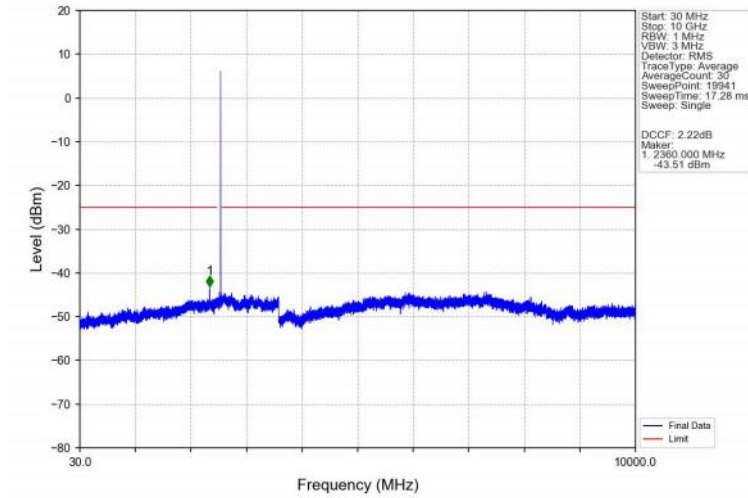
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



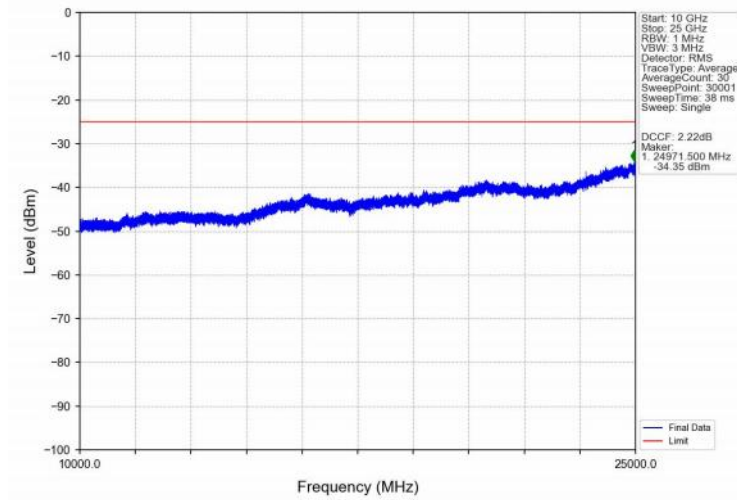
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



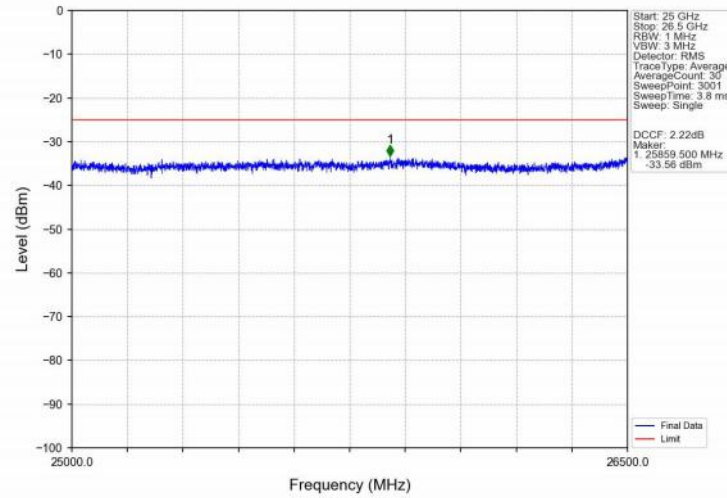
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



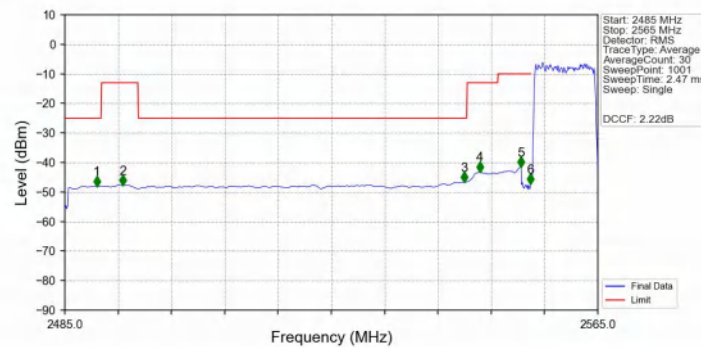
Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2560MHz_RB_1_0_NTNV



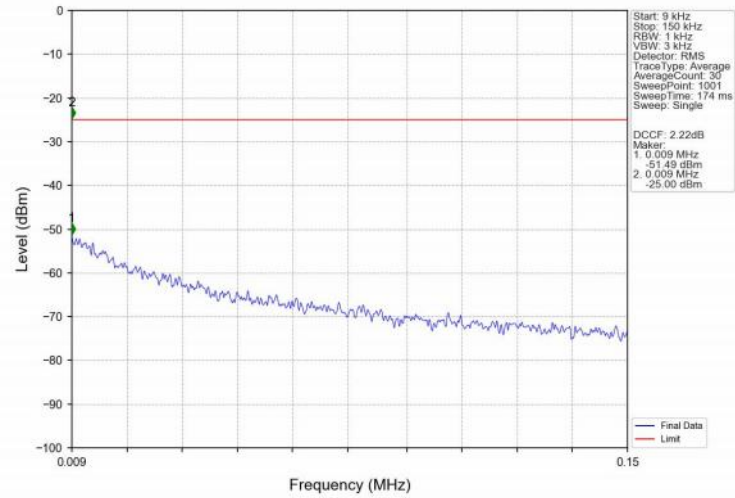
Band41_10MHz_QPSK_LCH_2560MHz_RB_50_0_NTNV



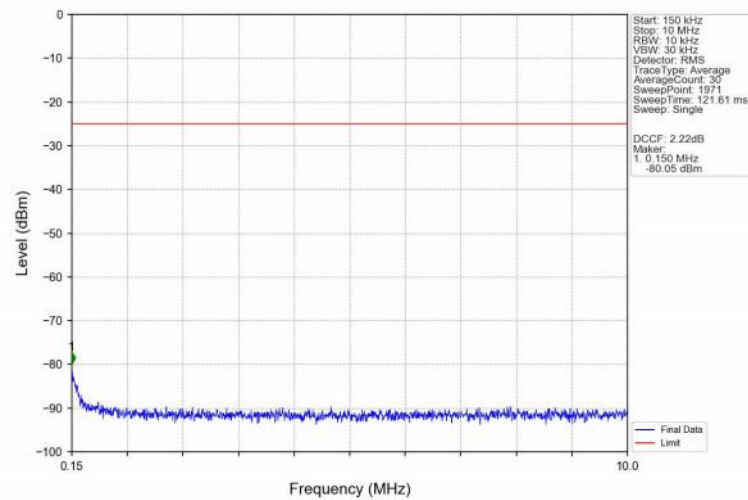
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.800	-47.93	-25	Pass
2490.5	2496	1	CHP	2	2493.720	-47.61	-13	Pass
2496	2545.361	1	CHP	3	2544.920	-46.59	-25	Pass
2545.361	2550	1	CHP	4	2547.320	-43.00	-13	Pass
2550	2554	1	CHP	5	2553.480	-41.45	-10	Pass
2554	2555	0.2	/	6	2554.920	-47.22	-10	Pass
2555	2565	0.2	/	/	/	/	/	/



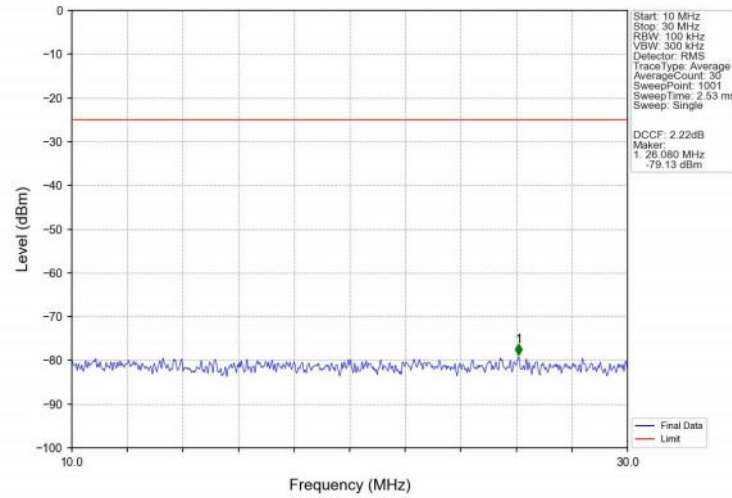
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



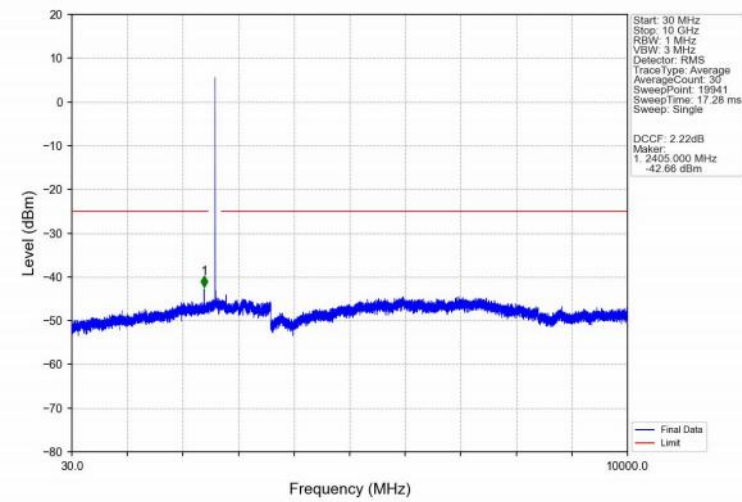
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

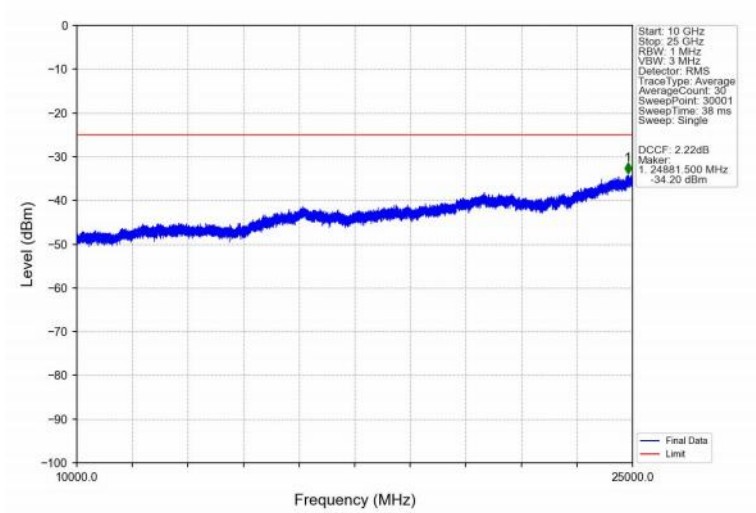


Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV

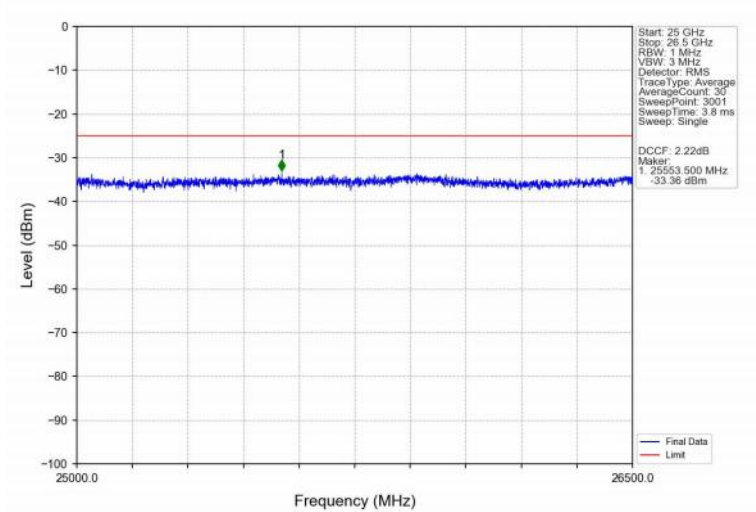




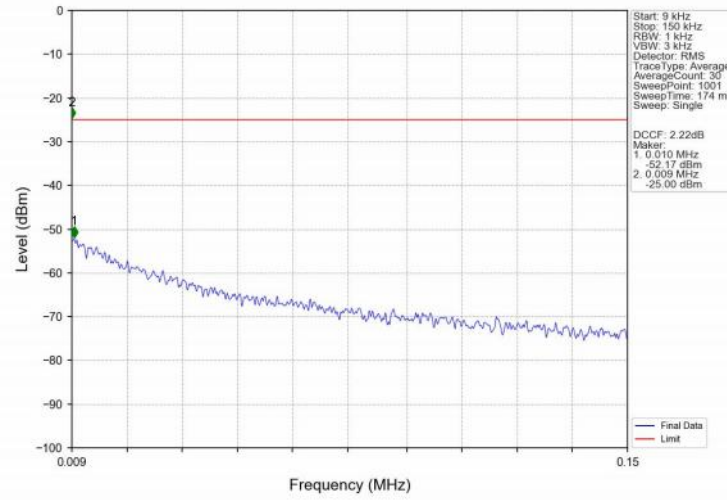
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



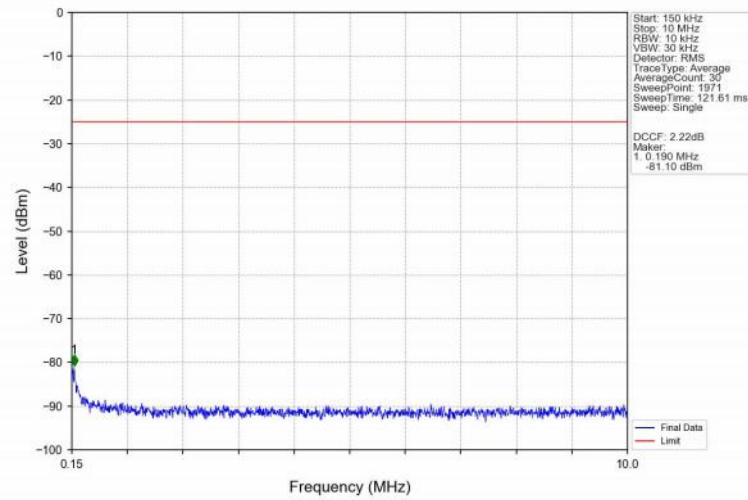
Band41_10MHz_QPSK_MCH_2605MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV

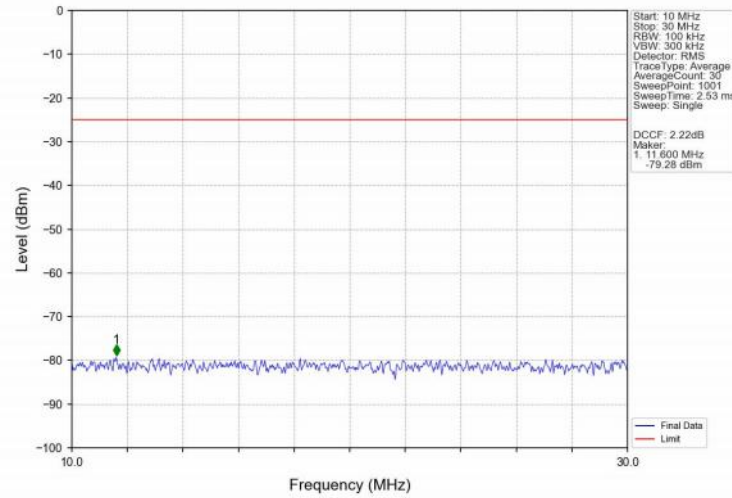


Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV

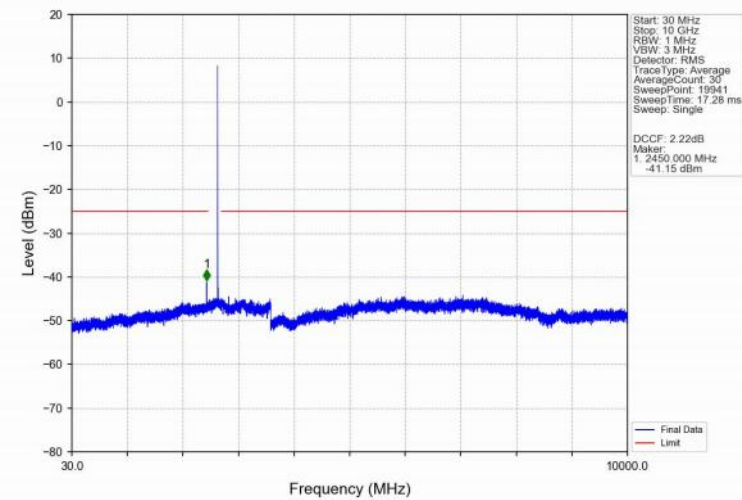




Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV

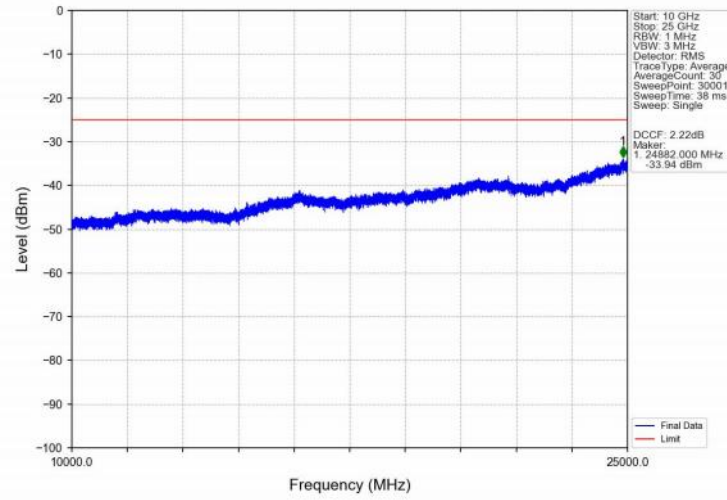


Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV

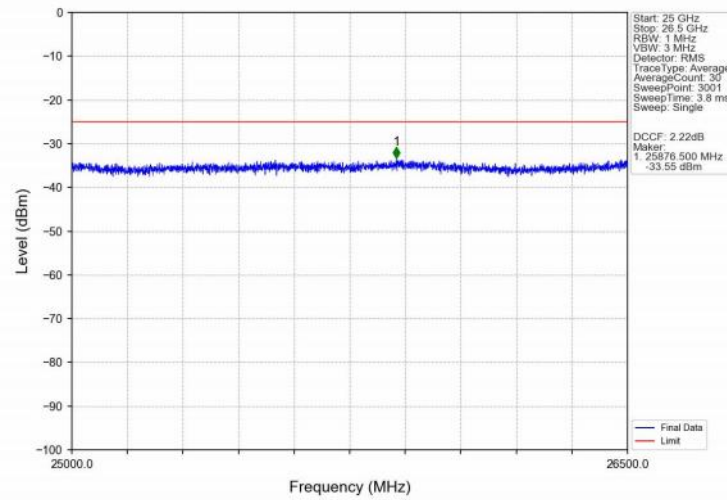




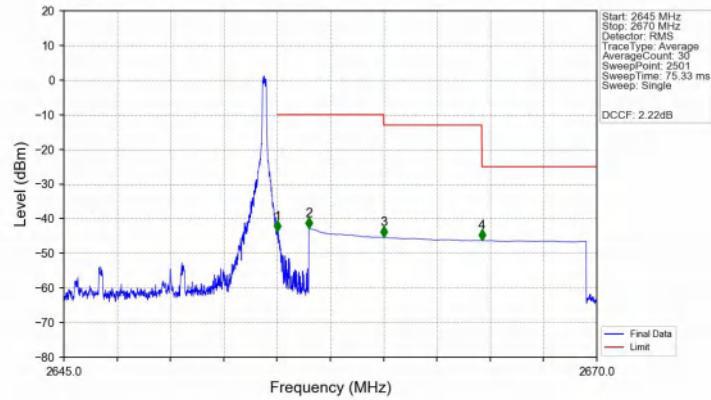
Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2650MHz_RB_1_0_NTNV

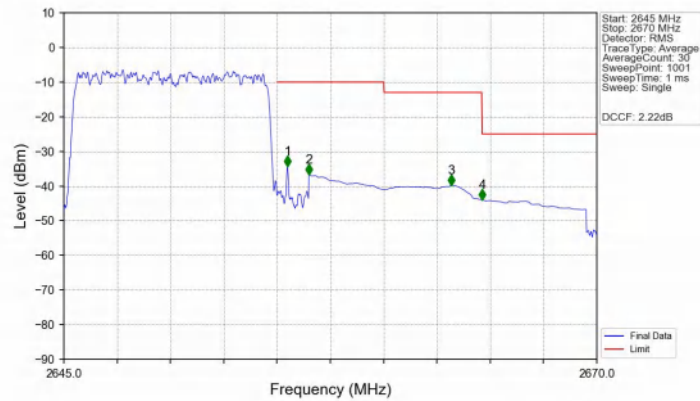


Band41_10MHz_QPSK_HCH_2650MHz_RB_1_49_NTNV



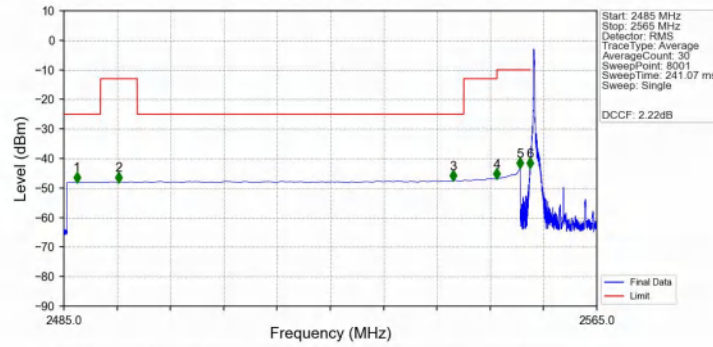
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2645	2655	0.02	/	/	/	/	/	/
2655	2656	0.02	/	1	2655.020	-43.77	-10	Pass
2656	2660	1	CHP	2	2656.500	-42.83	-10	Pass
2660	2664.608	1	CHP	3	2660.010	-45.40	-13	Pass
2664.608	2670	1	CHP	4	2664.610	-46.31	-25	Pass

Band41_10MHz_QPSK_HCH_2650MHz_RB_50_0_NTNV

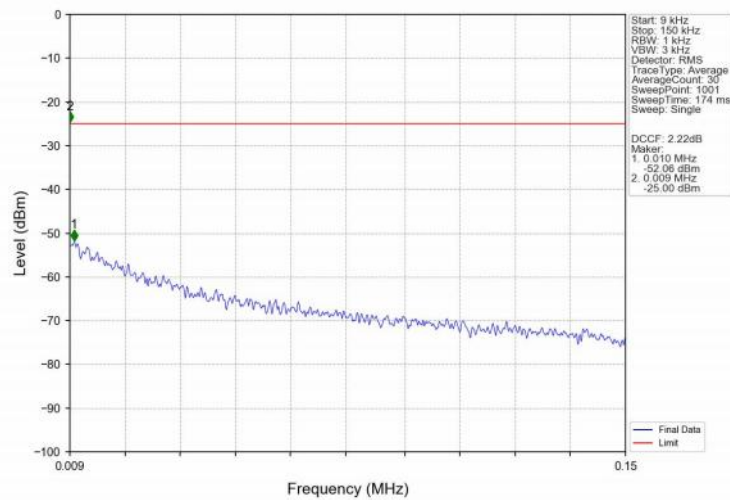


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2645	2655	0.2	/	/	/	/	/	/
2655	2656	0.2	/	1	2655.500	-34.42	-10	Pass
2656	2660	1	CHP	2	2656.500	-36.82	-10	Pass
2660	2664.608	1	CHP	3	2663.175	-39.77	-13	Pass
2664.608	2670	1	CHP	4	2664.625	-43.96	-25	Pass

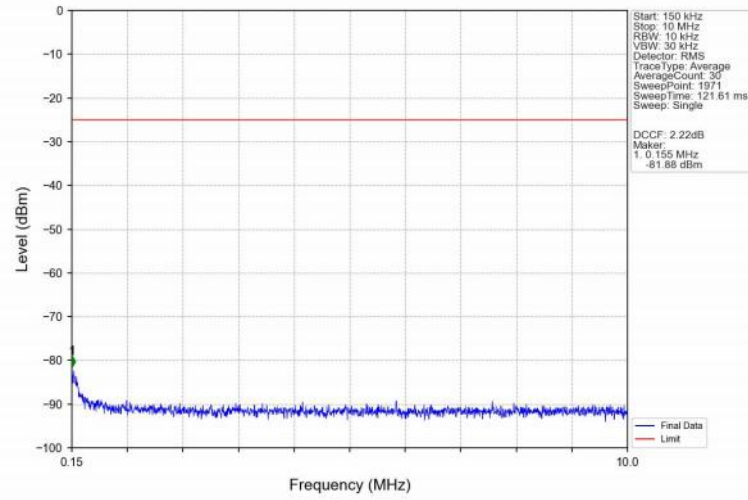
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



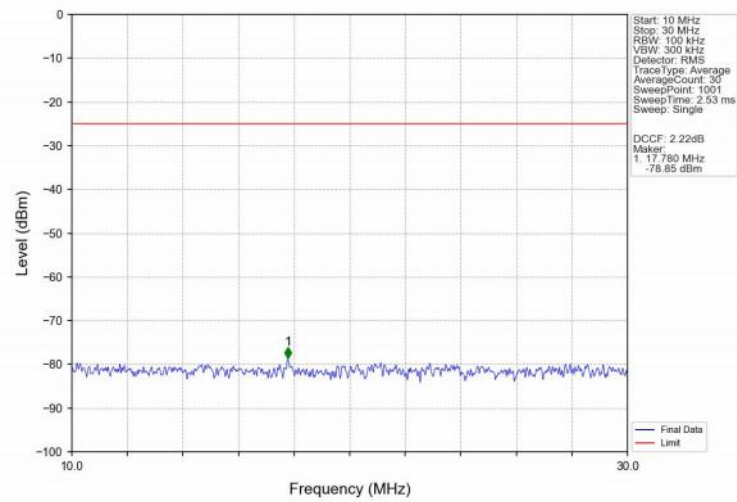
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV

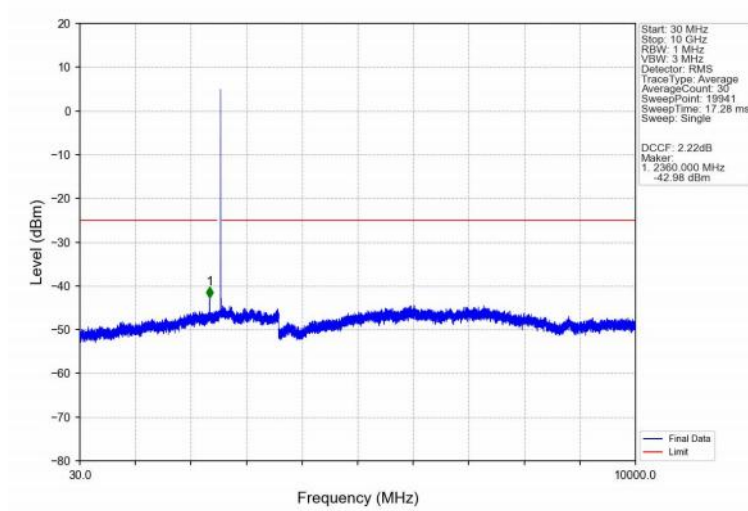


Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV

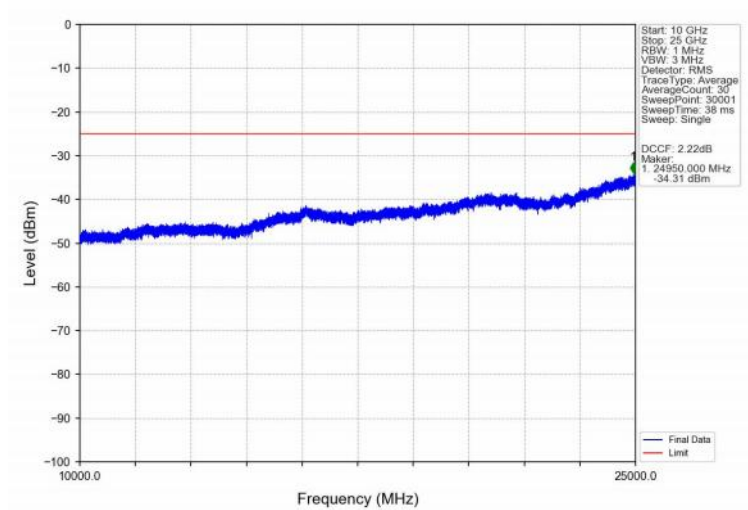




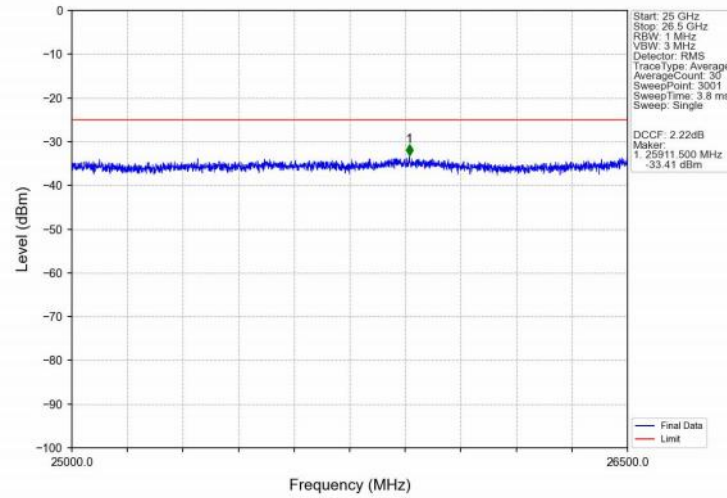
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



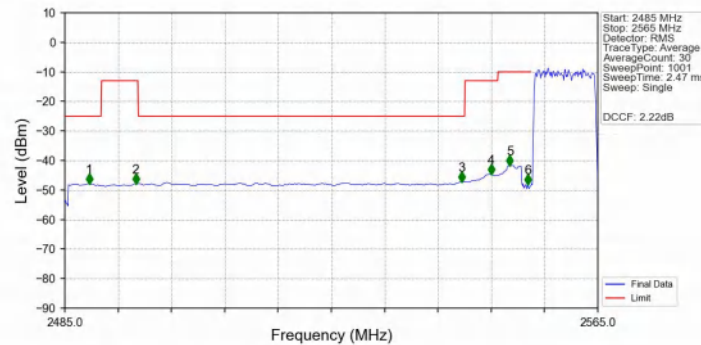
Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_LCH_2560MHz_RB_1_0_NTNV



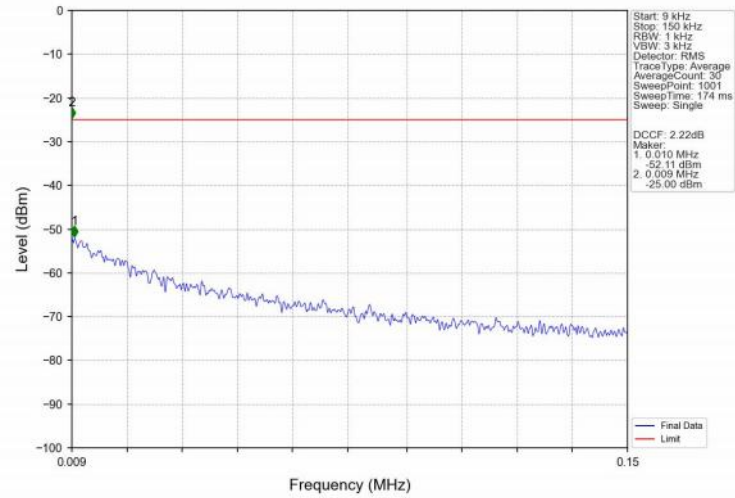
Band41_10MHz_16QAM_LCH_2560MHz_RB_50_0_NTNV



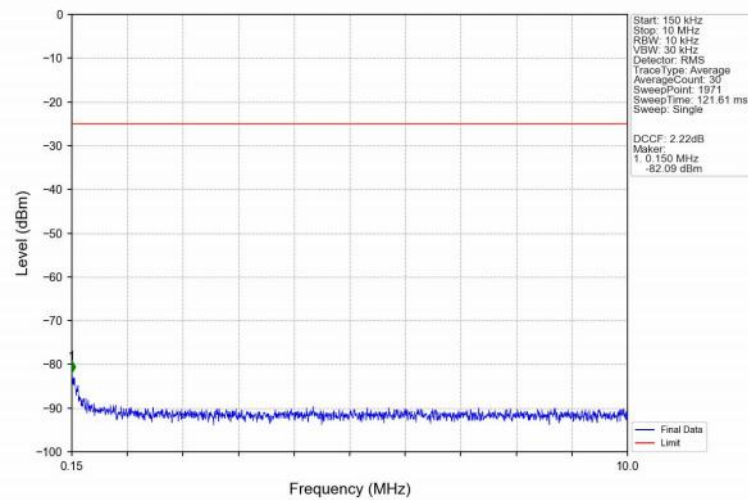
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.680	-47.85	-25	Pass
2490.5	2496	1	CHP	2	2495.640	-47.81	-13	Pass
2496	2545.021	1	CHP	3	2544.600	-47.10	-25	Pass
2545.021	2550	1	CHP	4	2549.000	-44.64	-13	Pass
2550	2554	1	CHP	5	2551.800	-41.66	-10	Pass
2554	2555	0.2	/	6	2554.520	-47.95	-10	Pass
2555	2565	0.2	/	/	/	/	/	/



Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

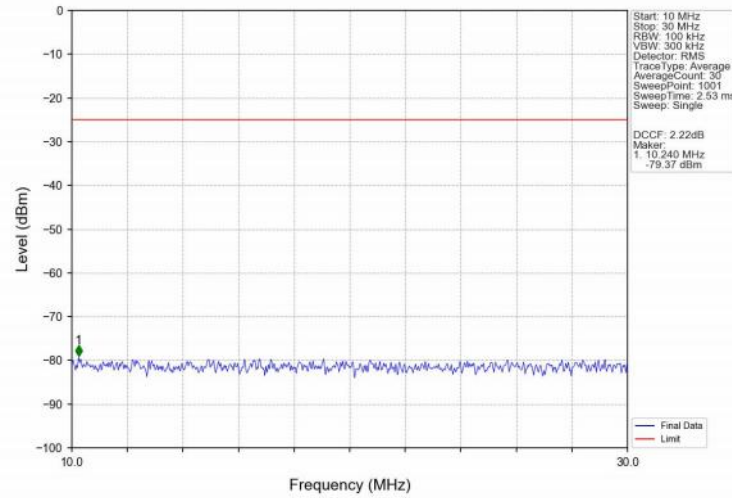


Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

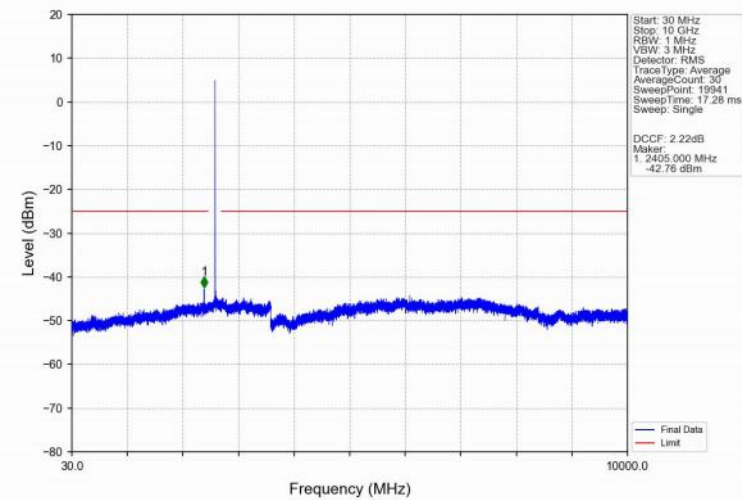




Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

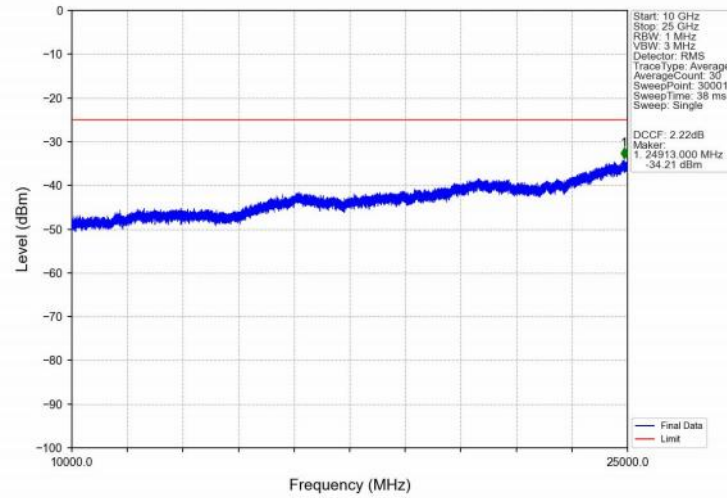


Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

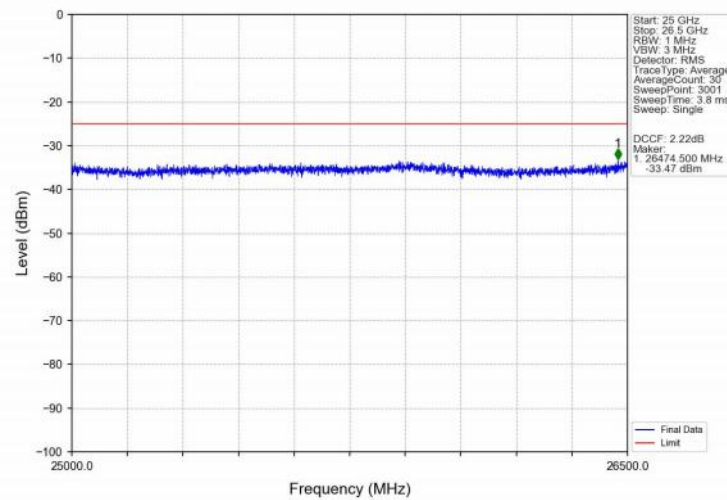




Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

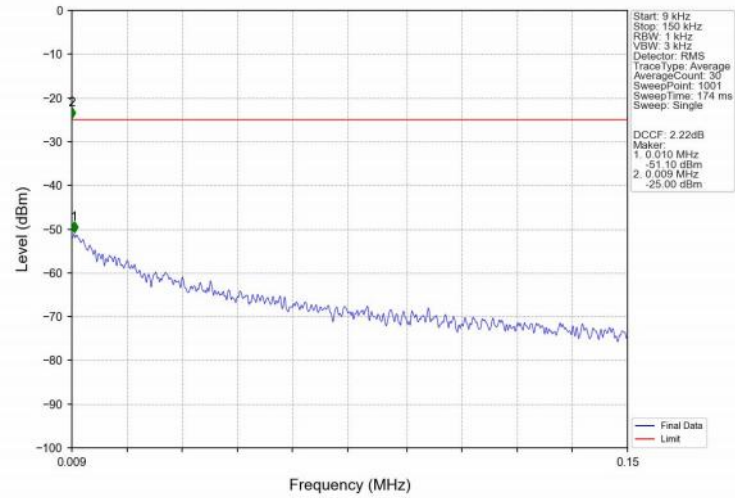


Band41_10MHz_16QAM_MCH_2605MHz_RB_1_0_NTNV

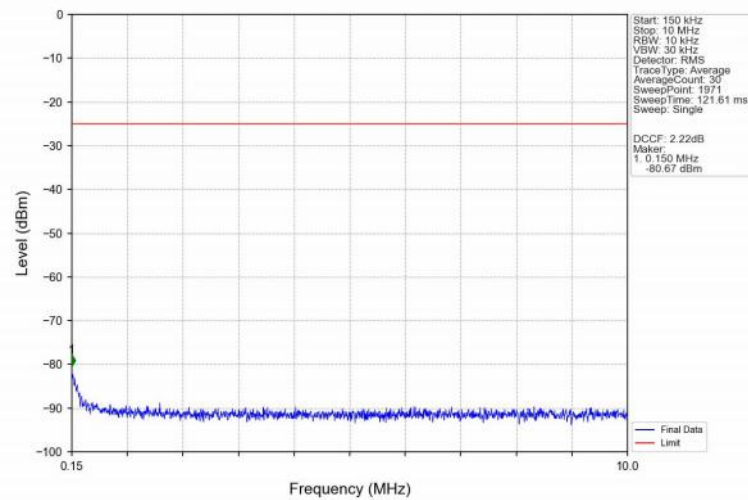




Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV

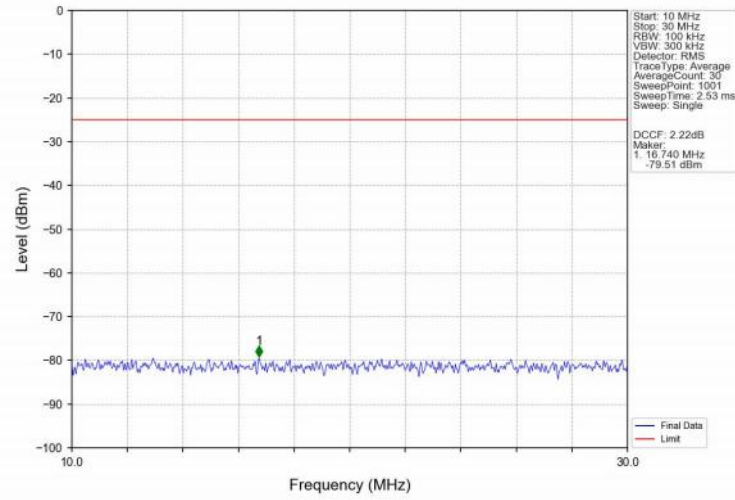


Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV

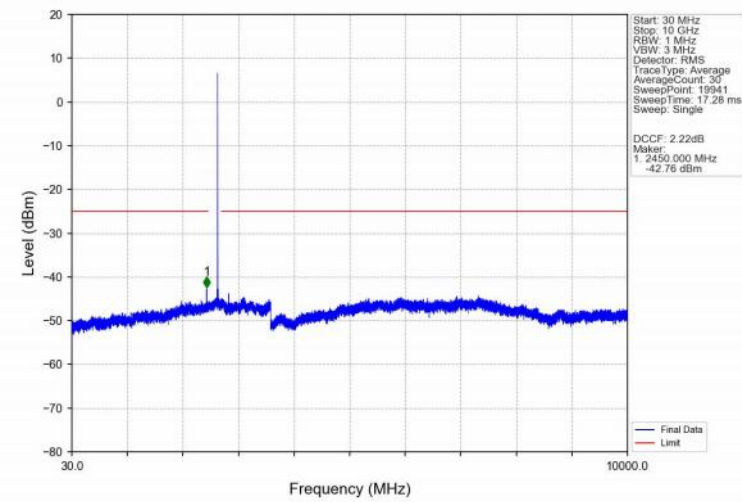




Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV

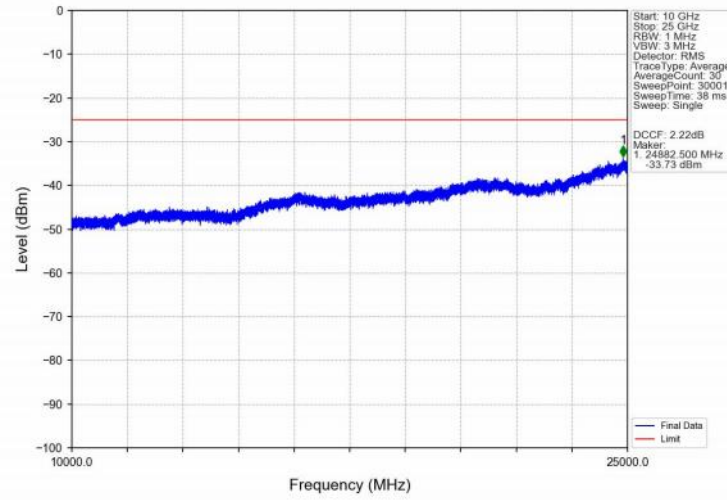


Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV

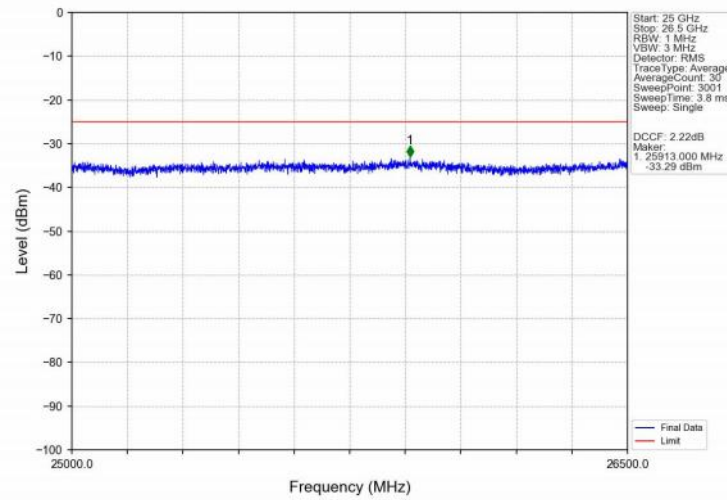




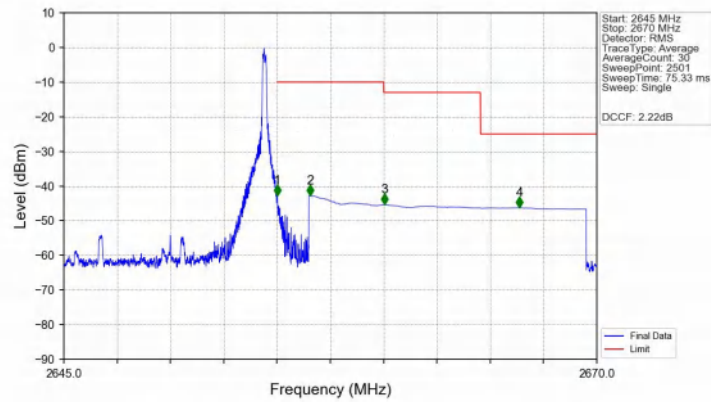
Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV



Band41_10MHz_16QAM_HCH_2650MHz_RB_1_0_NTNV

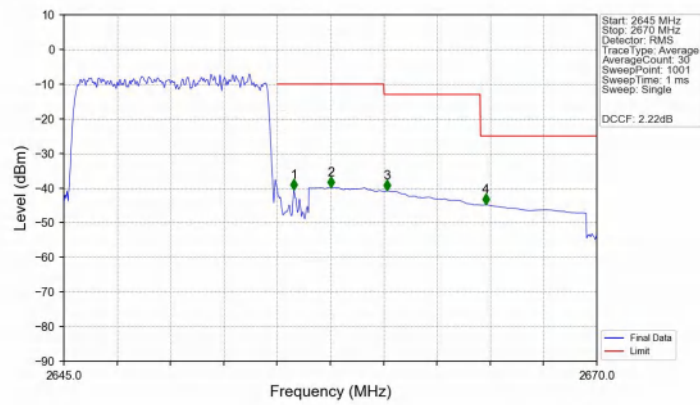


Band41 10MHz 16QAM HCH 2650MHz RB 1 49 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2645	2655	0.02	/	/	/	/	/	/
2655	2656	0.02	/	1	2655.010	-42.68	-10	Pass
2656	2660	1	CHP	2	2656.550	-42.81	-10	Pass
2660	2664.547	1	CHP	3	2660.050	-45.38	-13	Pass
2664.547	2670	1	CHP	4	2666.370	-46.30	-25	Pass

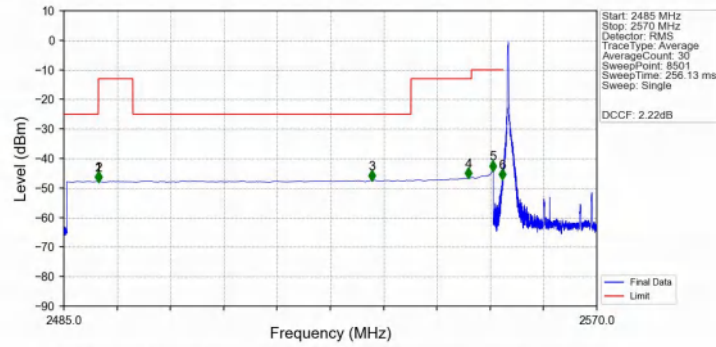
Band41 10MHz 16QAM HCH 2650MHz RB 50 0 NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2645	2655	0.2	/	/	/	/	/	/
2655	2656	0.2	/	1	2655.800	-40.60	-10	Pass
2656	2660	1	CHP	2	2657.525	-39.82	-10	Pass
2660	2664.547	1	CHP	3	2660.150	-40.82	-13	Pass
2664.547	2670	1	CHP	4	2664.800	-44.80	-25	Pass

6.2.3 B41_15MHz

Band41_15MHz_QPSK_LCH_2562.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2562.5MHz_RB_1_0_NTNV

