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	2498.5	1	0	25.31	0.00	25.31	<=33.01	Pass
			13	25.23	0.00	25.23	<=33.01	Pass
			24	25.30	0.00	25.30	<=33.01	Pass
		12	0	24.27	0.00	24.27	<=33.01	Pass
			6	24.24	0.00	24.24	<=33.01	Pass
			13	24.25	0.00	24.25	<=33.01	Pass
		25	0	24.31	0.00	24.31	<=33.01	Pass
	2593	1	0	25.12	0.00	25.12	<=33.01	Pass
			13	25.03	0.00	25.03	<=33.01	Pass
			24	25.13	0.00	25.13	<=33.01	Pass
		12	0	24.19	0.00	24.19	<=33.01	Pass
			6	24.17	0.00	24.17	<=33.01	Pass
			13	24.24	0.00	24.24	<=33.01	Pass
		25	0	24.19	0.00	24.19	<=33.01	Pass
	2687.5	1	0	24.79	0.00	24.79	<=33.01	Pass
			13	24.60	0.00	24.60	<=33.01	Pass
			24	24.85	0.00	24.85	<=33.01	Pass
		12	0	23.84	0.00	23.84	<=33.01	Pass
			6	23.72	0.00	23.72	<=33.01	Pass
			13	23.73	0.00	23.73	<=33.01	Pass
		25	0	23.77	0.00	23.77	<=33.01	Pass
16QAM	2498.5	1	0	24.29	0.00	24.29	<=33.01	Pass
			13	24.32	0.00	24.32	<=33.01	Pass
			24	24.22	0.00	24.22	<=33.01	Pass
		12	0	23.28	0.00	23.28	<=33.01	Pass
			6	23.27	0.00	23.27	<=33.01	Pass
			13	23.34	0.00	23.34	<=33.01	Pass
		25	0	23.27	0.00	23.27	<=33.01	Pass
	2593	1	0	24.23	0.00	24.23	<=33.01	Pass
			13	24.08	0.00	24.08	<=33.01	Pass
			24	24.21	0.00	24.21	<=33.01	Pass
		12	0	23.22	0.00	23.22	<=33.01	Pass
			6	23.15	0.00	23.15	<=33.01	Pass
			13	23.17	0.00	23.17	<=33.01	Pass
		25	0	23.17	0.00	23.17	<=33.01	Pass
	2687.5	1	0	24.01	0.00	24.01	<=33.01	Pass
			13	23.94	0.00	23.94	<=33.01	Pass
			24	23.97	0.00	23.97	<=33.01	Pass
		12	0	22.77	0.00	22.77	<=33.01	Pass
			6	22.77	0.00	22.77	<=33.01	Pass
			13	22.72	0.00	22.72	<=33.01	Pass
		25	0	22.75	0.00	22.75	<=33.01	Pass
64QAM	2498.5	1	0	22.90	0.00	22.90	<=33.01	Pass
			13	23.21	0.00	23.21	<=33.01	Pass
			24	22.96	0.00	22.96	<=33.01	Pass
		12	0	22.28	0.00	22.28	<=33.01	Pass
			6	22.21	0.00	22.21	<=33.01	Pass
			13	22.21	0.00	22.21	<=33.01	Pass
		25	0	22.30	0.00	22.30	<=33.01	Pass

	2593	1	0	23.58	0.00	23.58	<=33.01	Pass
			13	23.24	0.00	23.24	<=33.01	Pass
			24	23.55	0.00	23.55	<=33.01	Pass
		12	0	22.20	0.00	22.20	<=33.01	Pass
			6	22.00	0.00	22.00	<=33.01	Pass
			13	22.20	0.00	22.20	<=33.01	Pass
		25	0	22.06	0.00	22.06	<=33.01	Pass
	2687.5	1	0	22.84	0.00	22.84	<=33.01	Pass
			13	22.81	0.00	22.81	<=33.01	Pass
			24	22.85	0.00	22.85	<=33.01	Pass
		12	0	21.76	0.00	21.76	<=33.01	Pass
			6	21.68	0.00	21.68	<=33.01	Pass
			13	21.73	0.00	21.73	<=33.01	Pass
		25	0	21.75	0.00	21.75	<=33.01	Pass
256QAM	2498.5	1	0	20.43	0.00	20.43	<=33.01	Pass
			13	19.91	0.00	19.91	<=33.01	Pass
			24	20.15	0.00	20.15	<=33.01	Pass
		12	0	20.19	0.00	20.19	<=33.01	Pass
			6	20.25	0.00	20.25	<=33.01	Pass
			13	20.30	0.00	20.30	<=33.01	Pass
		25	0	20.33	0.00	20.33	<=33.01	Pass
	2593	1	0	20.22	0.00	20.22	<=33.01	Pass
			13	19.84	0.00	19.84	<=33.01	Pass
			24	20.24	0.00	20.24	<=33.01	Pass
		12	0	20.13	0.00	20.13	<=33.01	Pass
			6	20.09	0.00	20.09	<=33.01	Pass
			13	20.20	0.00	20.20	<=33.01	Pass
		25	0	20.16	0.00	20.16	<=33.01	Pass
	2687.5	1	0	19.78	0.00	19.78	<=33.01	Pass
			13	19.71	0.00	19.71	<=33.01	Pass
			24	19.67	0.00	19.67	<=33.01	Pass
		12	0	19.73	0.00	19.73	<=33.01	Pass
			6	19.66	0.00	19.66	<=33.01	Pass
			13	19.73	0.00	19.73	<=33.01	Pass
		25	0	19.70	0.00	19.70	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.2 B41_10MHz_EIRP

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	25.58	0.00	25.58	<=33.01	Pass
			25	25.36	0.00	25.36	<=33.01	Pass
			49	25.25	0.00	25.25	<=33.01	Pass
		25	0	24.25	0.00	24.25	<=33.01	Pass
			13	24.28	0.00	24.28	<=33.01	Pass
			25	24.30	0.00	24.30	<=33.01	Pass
		50	0	24.27	0.00	24.27	<=33.01	Pass
	2593	1	0	25.24	0.00	25.24	<=33.01	Pass
			25	25.17	0.00	25.17	<=33.01	Pass
			49	25.37	0.00	25.37	<=33.01	Pass
		25	0	24.23	0.00	24.23	<=33.01	Pass
			13	24.21	0.00	24.21	<=33.01	Pass
			25	24.19	0.00	24.19	<=33.01	Pass
		50	0	24.21	0.00	24.21	<=33.01	Pass
	2685	1	0	24.76	0.00	24.76	<=33.01	Pass

			25	24.70	0.00	24.70	<=33.01	Pass
			49	24.68	0.00	24.68	<=33.01	Pass
		25	0	23.85	0.00	23.85	<=33.01	Pass
			13	23.83	0.00	23.83	<=33.01	Pass
			25	23.80	0.00	23.80	<=33.01	Pass
		50	0	23.85	0.00	23.85	<=33.01	Pass
16QAM	2501	1	0	24.36	0.00	24.36	<=33.01	Pass
			25	24.51	0.00	24.51	<=33.01	Pass
			49	24.35	0.00	24.35	<=33.01	Pass
		25	0	23.28	0.00	23.28	<=33.01	Pass
			13	23.29	0.00	23.29	<=33.01	Pass
			25	23.31	0.00	23.31	<=33.01	Pass
		50	0	23.27	0.00	23.27	<=33.01	Pass
	2593	1	0	24.21	0.00	24.21	<=33.01	Pass
			25	24.05	0.00	24.05	<=33.01	Pass
			49	24.10	0.00	24.10	<=33.01	Pass
		25	0	23.22	0.00	23.22	<=33.01	Pass
			13	23.18	0.00	23.18	<=33.01	Pass
			25	23.18	0.00	23.18	<=33.01	Pass
		50	0	23.18	0.00	23.18	<=33.01	Pass
	2685	1	0	23.52	0.00	23.52	<=33.01	Pass
			25	23.48	0.00	23.48	<=33.01	Pass
			49	23.60	0.00	23.60	<=33.01	Pass
		25	0	22.80	0.00	22.80	<=33.01	Pass
			13	22.82	0.00	22.82	<=33.01	Pass
			25	22.82	0.00	22.82	<=33.01	Pass
		50	0	22.78	0.00	22.78	<=33.01	Pass
64QAM	2501	1	0	23.41	0.00	23.41	<=33.01	Pass
			25	23.64	0.00	23.64	<=33.01	Pass
			49	23.01	0.00	23.01	<=33.01	Pass
		25	0	22.19	0.00	22.19	<=33.01	Pass
			13	22.23	0.00	22.23	<=33.01	Pass
			25	22.16	0.00	22.16	<=33.01	Pass
		50	0	22.17	0.00	22.17	<=33.01	Pass
	2593	1	0	23.08	0.00	23.08	<=33.01	Pass
			25	23.44	0.00	23.44	<=33.01	Pass
			49	23.63	0.00	23.63	<=33.01	Pass
		25	0	22.11	0.00	22.11	<=33.01	Pass
			13	22.09	0.00	22.09	<=33.01	Pass
			25	22.07	0.00	22.07	<=33.01	Pass
		50	0	22.15	0.00	22.15	<=33.01	Pass
	2685	1	0	22.47	0.00	22.47	<=33.01	Pass
			25	22.31	0.00	22.31	<=33.01	Pass
			49	22.35	0.00	22.35	<=33.01	Pass
		25	0	21.74	0.00	21.74	<=33.01	Pass
			13	21.70	0.00	21.70	<=33.01	Pass
			25	21.74	0.00	21.74	<=33.01	Pass
		50	0	21.78	0.00	21.78	<=33.01	Pass
256QAM	2501	1	0	20.20	0.00	20.20	<=33.01	Pass
			25	20.16	0.00	20.16	<=33.01	Pass
			49	20.11	0.00	20.11	<=33.01	Pass
		25	0	20.26	0.00	20.26	<=33.01	Pass
			13	20.17	0.00	20.17	<=33.01	Pass
			25	20.23	0.00	20.23	<=33.01	Pass
		50	0	20.26	0.00	20.26	<=33.01	Pass
	2593	1	0	19.95	0.00	19.95	<=33.01	Pass
			25	19.97	0.00	19.97	<=33.01	Pass
			49	20.30	0.00	20.30	<=33.01	Pass
		25	0	20.17	0.00	20.17	<=33.01	Pass

			13	20.16	0.00	20.16	<=33.01	Pass
			25	20.04	0.00	20.04	<=33.01	Pass
		50	0	20.13	0.00	20.13	<=33.01	Pass
	2685	1	0	19.55	0.00	19.55	<=33.01	Pass
			25	19.57	0.00	19.57	<=33.01	Pass
			49	19.43	0.00	19.43	<=33.01	Pass
		25	0	19.77	0.00	19.77	<=33.01	Pass
			13	19.81	0.00	19.81	<=33.01	Pass
			25	19.77	0.00	19.77	<=33.01	Pass
		50	0	19.75	0.00	19.75	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

1.1.3 B41_15MHz_EIRP

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	25.49	0.00	25.49	<=33.01	Pass
			38	25.32	0.00	25.32	<=33.01	Pass
			74	25.32	0.00	25.32	<=33.01	Pass
		36	0	24.25	0.00	24.25	<=33.01	Pass
			18	24.18	0.00	24.18	<=33.01	Pass
			39	24.19	0.00	24.19	<=33.01	Pass
		75	0	24.18	0.00	24.18	<=33.01	Pass
	2593	1	0	25.24	0.00	25.24	<=33.01	Pass
			38	25.02	0.00	25.02	<=33.01	Pass
			74	25.11	0.00	25.11	<=33.01	Pass
		36	0	24.19	0.00	24.19	<=33.01	Pass
			18	24.16	0.00	24.16	<=33.01	Pass
			39	24.16	0.00	24.16	<=33.01	Pass
		75	0	24.17	0.00	24.17	<=33.01	Pass
	2682.5	1	0	24.82	0.00	24.82	<=33.01	Pass
			38	24.76	0.00	24.76	<=33.01	Pass
			74	24.88	0.00	24.88	<=33.01	Pass
		36	0	23.78	0.00	23.78	<=33.01	Pass
			18	23.76	0.00	23.76	<=33.01	Pass
			39	23.74	0.00	23.74	<=33.01	Pass
		75	0	23.77	0.00	23.77	<=33.01	Pass
16QAM	2503.5	1	0	24.63	0.00	24.63	<=33.01	Pass
			38	24.51	0.00	24.51	<=33.01	Pass
			74	24.19	0.00	24.19	<=33.01	Pass
		36	0	23.24	0.00	23.24	<=33.01	Pass
			18	23.24	0.00	23.24	<=33.01	Pass
			39	23.18	0.00	23.18	<=33.01	Pass
		75	0	23.20	0.00	23.20	<=33.01	Pass
	2593	1	0	24.25	0.00	24.25	<=33.01	Pass
			38	24.10	0.00	24.10	<=33.01	Pass
			74	24.12	0.00	24.12	<=33.01	Pass
		36	0	23.25	0.00	23.25	<=33.01	Pass
			18	23.20	0.00	23.20	<=33.01	Pass
			39	23.21	0.00	23.21	<=33.01	Pass
		75	0	23.20	0.00	23.20	<=33.01	Pass
	2682.5	1	0	23.96	0.00	23.96	<=33.01	Pass
			38	23.86	0.00	23.86	<=33.01	Pass
			74	23.84	0.00	23.84	<=33.01	Pass
		36	0	22.85	0.00	22.85	<=33.01	Pass
			18	22.75	0.00	22.75	<=33.01	Pass

			39	22.79	0.00	22.79	<=33.01	Pass
		75	0	22.83	0.00	22.83	<=33.01	Pass
64QAM	2503.5	1	0	22.91	0.00	22.91	<=33.01	Pass
			38	22.80	0.00	22.80	<=33.01	Pass
			74	22.80	0.00	22.80	<=33.01	Pass
		36	0	22.24	0.00	22.24	<=33.01	Pass
			18	22.20	0.00	22.20	<=33.01	Pass
			39	22.20	0.00	22.20	<=33.01	Pass
		75	0	22.27	0.00	22.27	<=33.01	Pass
	2593	1	0	23.63	0.00	23.63	<=33.01	Pass
			38	23.40	0.00	23.40	<=33.01	Pass
			74	23.31	0.00	23.31	<=33.01	Pass
		36	0	22.24	0.00	22.24	<=33.01	Pass
			18	22.23	0.00	22.23	<=33.01	Pass
			39	22.13	0.00	22.13	<=33.01	Pass
		75	0	22.19	0.00	22.19	<=33.01	Pass
	2682.5	1	0	23.21	0.00	23.21	<=33.01	Pass
			38	22.93	0.00	22.93	<=33.01	Pass
			74	22.52	0.00	22.52	<=33.01	Pass
		36	0	21.84	0.00	21.84	<=33.01	Pass
			18	21.83	0.00	21.83	<=33.01	Pass
			39	21.80	0.00	21.80	<=33.01	Pass
		75	0	21.81	0.00	21.81	<=33.01	Pass
256QAM	2503.5	1	0	20.33	0.00	20.33	<=33.01	Pass
			38	20.15	0.00	20.15	<=33.01	Pass
			74	20.14	0.00	20.14	<=33.01	Pass
		36	0	20.21	0.00	20.21	<=33.01	Pass
			18	20.19	0.00	20.19	<=33.01	Pass
			39	20.25	0.00	20.25	<=33.01	Pass
		75	0	20.27	0.00	20.27	<=33.01	Pass
	2593	1	0	20.50	0.00	20.50	<=33.01	Pass
			38	20.13	0.00	20.13	<=33.01	Pass
			74	19.91	0.00	19.91	<=33.01	Pass
		36	0	20.22	0.00	20.22	<=33.01	Pass
			18	20.20	0.00	20.20	<=33.01	Pass
			39	20.17	0.00	20.17	<=33.01	Pass
		75	0	20.20	0.00	20.20	<=33.01	Pass
	2682.5	1	0	20.13	0.00	20.13	<=33.01	Pass
			38	20.21	0.00	20.21	<=33.01	Pass
			74	20.16	0.00	20.16	<=33.01	Pass
		36	0	19.84	0.00	19.84	<=33.01	Pass
			18	19.78	0.00	19.78	<=33.01	Pass
			39	19.79	0.00	19.79	<=33.01	Pass
		75	0	19.85	0.00	19.85	<=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	2506	1	0	25.41	0.00	25.41	<=33.01	Pass
			50	25.27	0.00	25.27	<=33.01	Pass
			99	25.23	0.00	25.23	<=33.01	Pass
		50	0	24.34	0.00	24.34	<=33.01	Pass
			25	24.34	0.00	24.34	<=33.01	Pass
			50	24.32	0.00	24.32	<=33.01	Pass

		100	0	24.34	0.00	24.34	<=33.01	Pass
	2593	1	0	25.11	0.00	25.11	<=33.01	Pass
			50	25.05	0.00	25.05	<=33.01	Pass
			99	25.12	0.00	25.12	<=33.01	Pass
		50	0	24.25	0.00	24.25	<=33.01	Pass
			25	24.21	0.00	24.21	<=33.01	Pass
			50	24.23	0.00	24.23	<=33.01	Pass
		100	0	24.22	0.00	24.22	<=33.01	Pass
	2680	1	0	25.11	0.00	25.11	<=33.01	Pass
			50	24.96	0.00	24.96	<=33.01	Pass
			99	24.94	0.00	24.94	<=33.01	Pass
		50	0	23.90	0.00	23.90	<=33.01	Pass
			25	23.87	0.00	23.87	<=33.01	Pass
			50	23.81	0.00	23.81	<=33.01	Pass
		100	0	23.84	0.00	23.84	<=33.01	Pass
16QAM	2506	1	0	24.65	0.00	24.65	<=33.01	Pass
			50	24.43	0.00	24.43	<=33.01	Pass
			99	24.28	0.00	24.28	<=33.01	Pass
		50	0	23.26	0.00	23.26	<=33.01	Pass
			25	23.30	0.00	23.30	<=33.01	Pass
			50	23.25	0.00	23.25	<=33.01	Pass
		100	0	23.24	0.00	23.24	<=33.01	Pass
	2593	1	0	23.99	0.00	23.99	<=33.01	Pass
			50	24.05	0.00	24.05	<=33.01	Pass
			99	23.87	0.00	23.87	<=33.01	Pass
		50	0	23.27	0.00	23.27	<=33.01	Pass
			25	23.25	0.00	23.25	<=33.01	Pass
			50	23.21	0.00	23.21	<=33.01	Pass
		100	0	23.22	0.00	23.22	<=33.01	Pass
	2680	1	0	23.98	0.00	23.98	<=33.01	Pass
			50	23.86	0.00	23.86	<=33.01	Pass
			99	23.81	0.00	23.81	<=33.01	Pass
		50	0	22.87	0.00	22.87	<=33.01	Pass
			25	22.87	0.00	22.87	<=33.01	Pass
			50	22.84	0.00	22.84	<=33.01	Pass
		100	0	22.86	0.00	22.86	<=33.01	Pass
64QAM	2506	1	0	23.68	0.00	23.68	<=33.01	Pass
			50	23.85	0.00	23.85	<=33.01	Pass
			99	22.92	0.00	22.92	<=33.01	Pass
		50	0	22.39	0.00	22.39	<=33.01	Pass
			25	22.29	0.00	22.29	<=33.01	Pass
			50	22.19	0.00	22.19	<=33.01	Pass
		100	0	22.33	0.00	22.33	<=33.01	Pass
	2593	1	0	23.09	0.00	23.09	<=33.01	Pass
			50	23.36	0.00	23.36	<=33.01	Pass
			99	22.93	0.00	22.93	<=33.01	Pass
		50	0	22.25	0.00	22.25	<=33.01	Pass
			25	22.22	0.00	22.22	<=33.01	Pass
			50	22.21	0.00	22.21	<=33.01	Pass
		100	0	22.22	0.00	22.22	<=33.01	Pass
	2680	1	0	22.88	0.00	22.88	<=33.01	Pass
			50	22.50	0.00	22.50	<=33.01	Pass
			99	23.00	0.00	23.00	<=33.01	Pass
		50	0	21.99	0.00	21.99	<=33.01	Pass
			25	21.87	0.00	21.87	<=33.01	Pass
			50	21.83	0.00	21.83	<=33.01	Pass
		100	0	21.88	0.00	21.88	<=33.01	Pass
256QAM	2506	1	0	20.27	0.00	20.27	<=33.01	Pass
			50	20.29	0.00	20.29	<=33.01	Pass

			99	20.30	0.00	20.30	<=33.01	Pass
		50	0	20.26	0.00	20.26	<=33.01	Pass
			25	20.26	0.00	20.26	<=33.01	Pass
			50	20.22	0.00	20.22	<=33.01	Pass
		100	0	20.29	0.00	20.29	<=33.01	Pass
	2593	1	0	20.33	0.00	20.33	<=33.01	Pass
			50	19.72	0.00	19.72	<=33.01	Pass
			99	20.24	0.00	20.24	<=33.01	Pass
		50	0	20.23	0.00	20.23	<=33.01	Pass
			25	20.22	0.00	20.22	<=33.01	Pass
			50	20.19	0.00	20.19	<=33.01	Pass
		100	0	20.17	0.00	20.17	<=33.01	Pass
	2680	1	0	19.82	0.00	19.82	<=33.01	Pass
			50	20.14	0.00	20.14	<=33.01	Pass
			99	19.87	0.00	19.87	<=33.01	Pass
		50	0	19.85	0.00	19.85	<=33.01	Pass
			25	19.85	0.00	19.85	<=33.01	Pass
			50	19.78	0.00	19.78	<=33.01	Pass
		100	0	19.82	0.00	19.82	<=33.01	Pass
Note1: EIRP=Conducted Power+Antenna Gain								

2. Frequency Stability

2.1 Test Result

2.1.1 B41_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2593	50	0	20	LV	-2.700	-0.0010	-2.5 to 2.5	Pass
					NV	1.900	0.0007	-2.5 to 2.5	Pass
					HV	-3.800	-0.0015	-2.5 to 2.5	Pass
				-30	NV	-2.400	0.0005	-2.5 to 2.5	Pass
				-20	NV	-2.700	-0.0010	-2.5 to 2.5	Pass
				-10	NV	1.400	0.0005	-2.5 to 2.5	Pass
				0	NV	-0.400	-0.0002	-2.5 to 2.5	Pass
				10	NV	-2.700	-0.0010	-2.5 to 2.5	Pass
				30	NV	-0.800	-0.0003	-2.5 to 2.5	Pass
				40	NV	-2.900	-0.0011	-2.5 to 2.5	Pass
				50	NV	-0.400	-0.0002	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band41_OBW

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	4.642	/	Pass
	16QAM	2593	25	0	4.811	/	Pass
10	QPSK	2593	50	0	9.557	/	Pass
	16QAM	2593	50	0	9.095	/	Pass
15	QPSK	2593	75	0	15.494	/	Pass
	16QAM	2593	75	0	15.926	/	Pass
20	QPSK	2593	100	0	21.504	/	Pass
	16QAM	2593	100	0	22.234	/	Pass

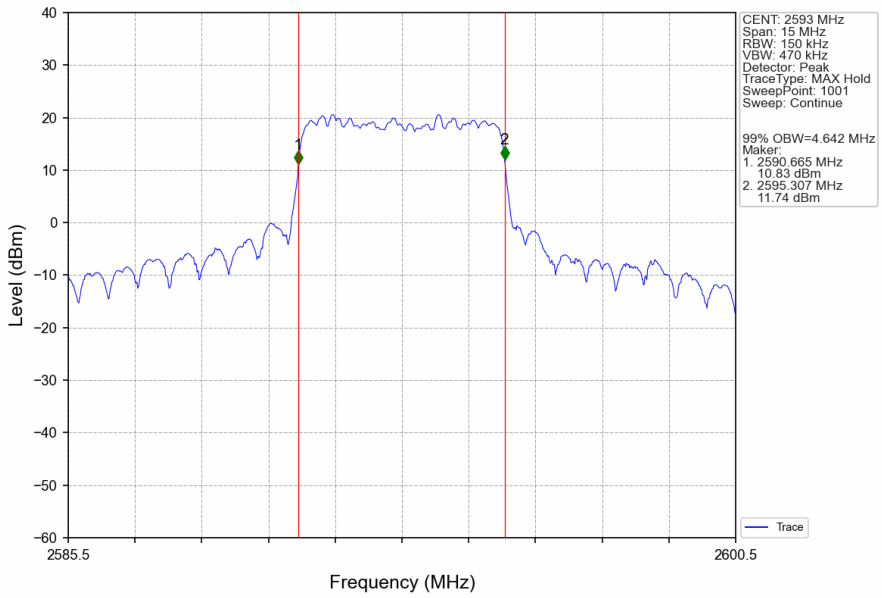
3.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	7.416	/	Pass
	16QAM	2593	25	0	10.210	/	Pass
10	QPSK	2593	50	0	18.859	/	Pass
	16QAM	2593	50	0	10.154	/	Pass
15	QPSK	2593	75	0	32.546	/	Pass
	16QAM	2593	75	0	36.843	/	Pass
20	QPSK	2593	100	0	39.814	/	Pass
	16QAM	2593	100	0	44.208	/	Pass

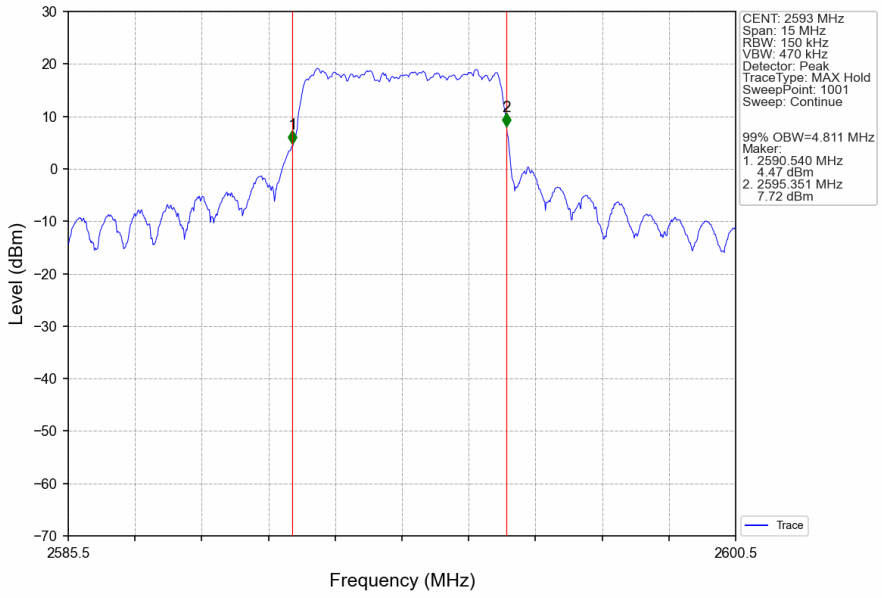
3.2 Test Graph

3.2.1 Band41_OBW

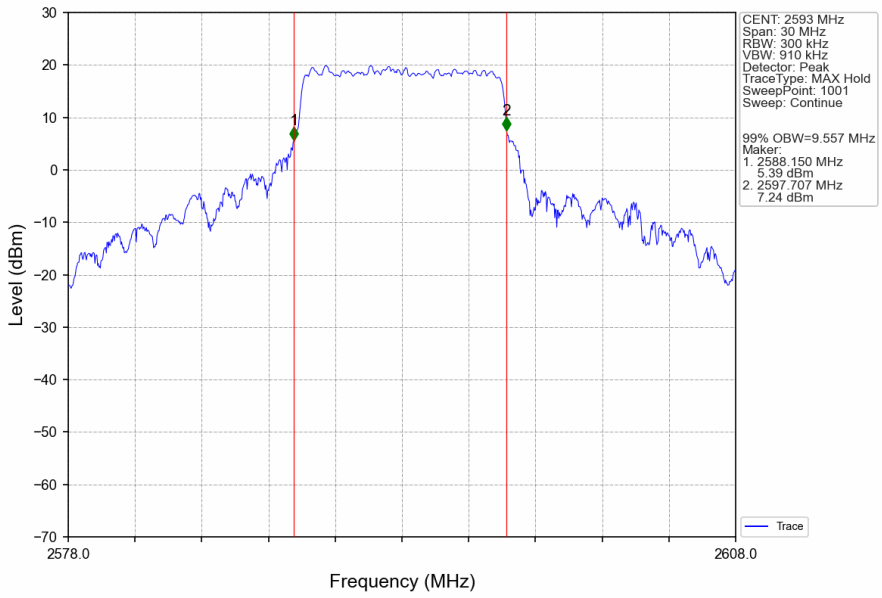
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



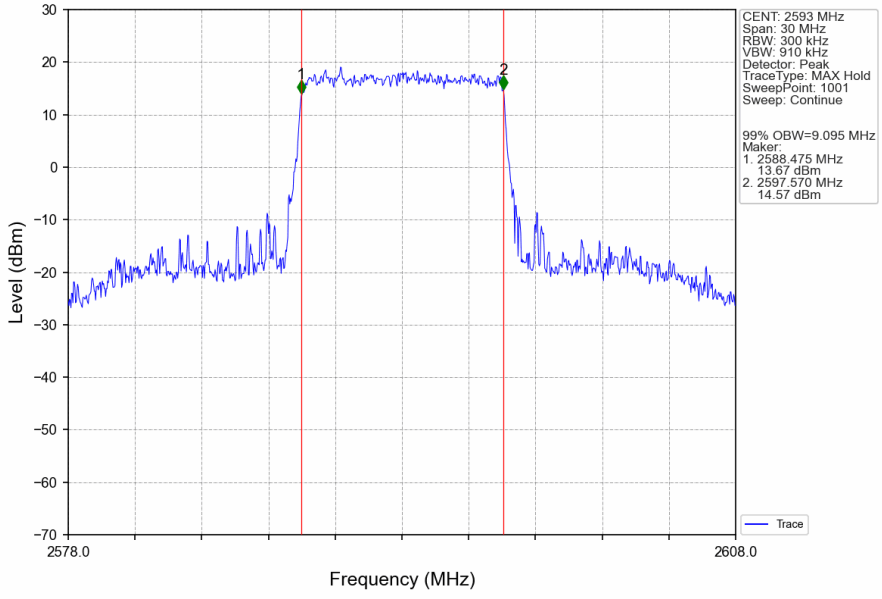
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



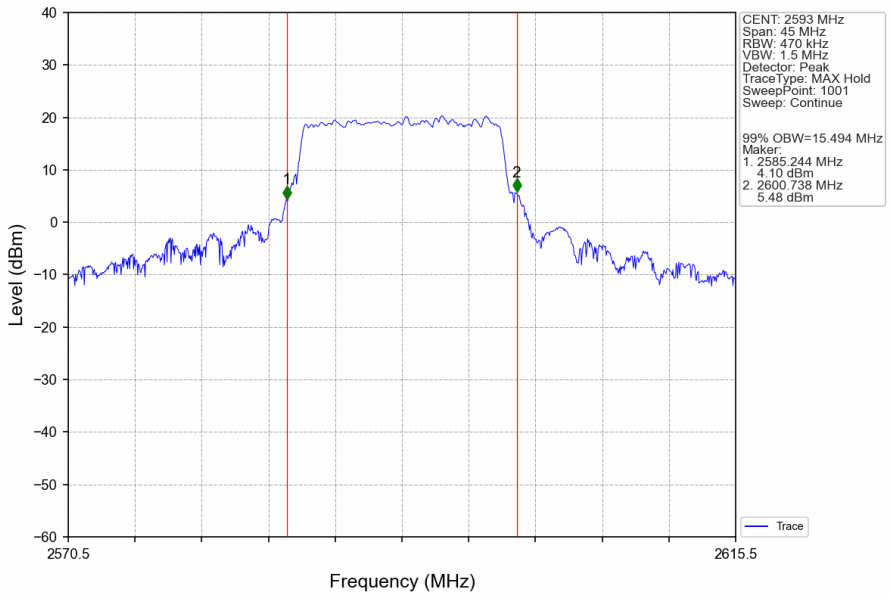
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



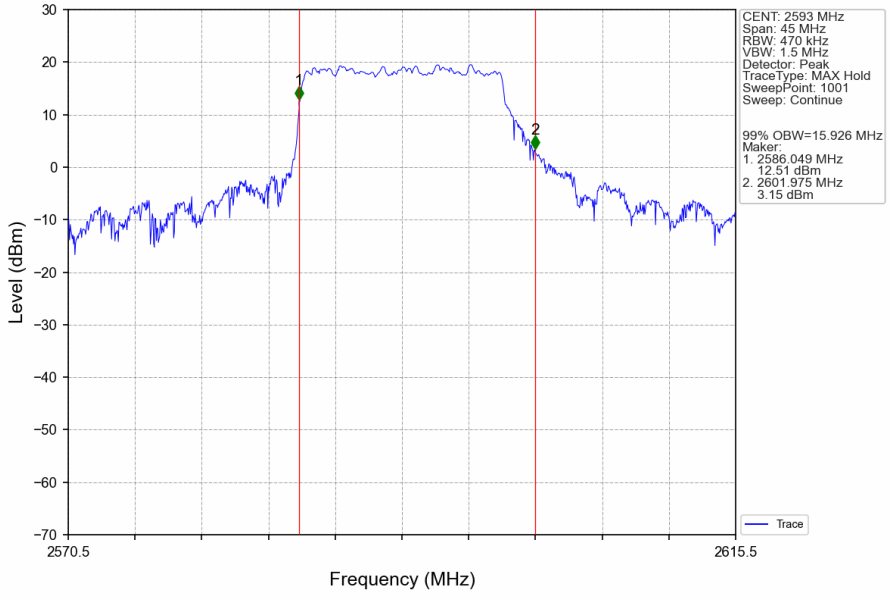
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



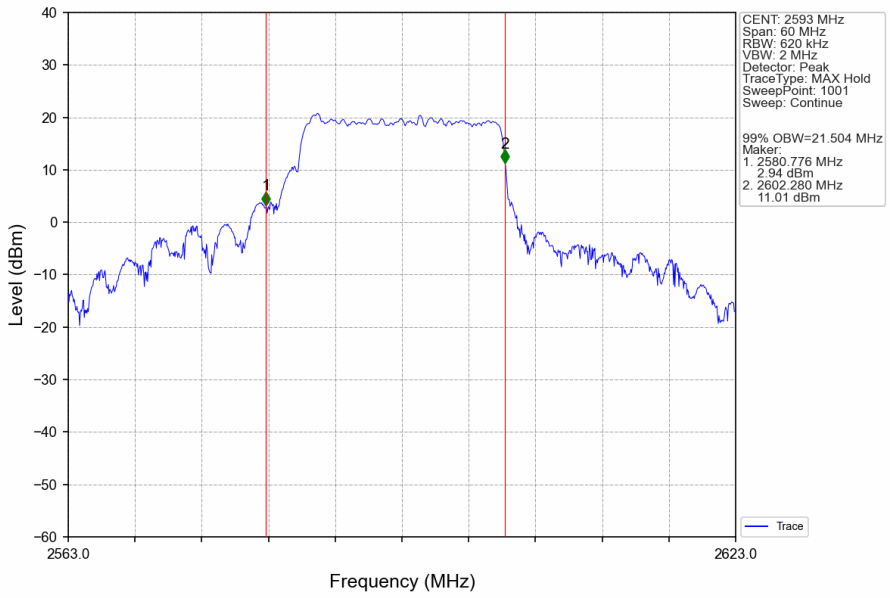
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



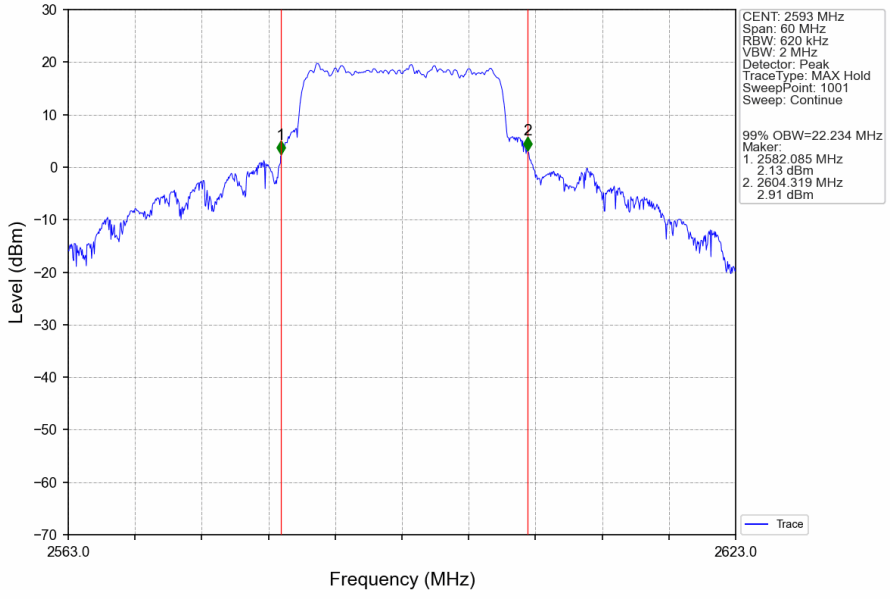
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



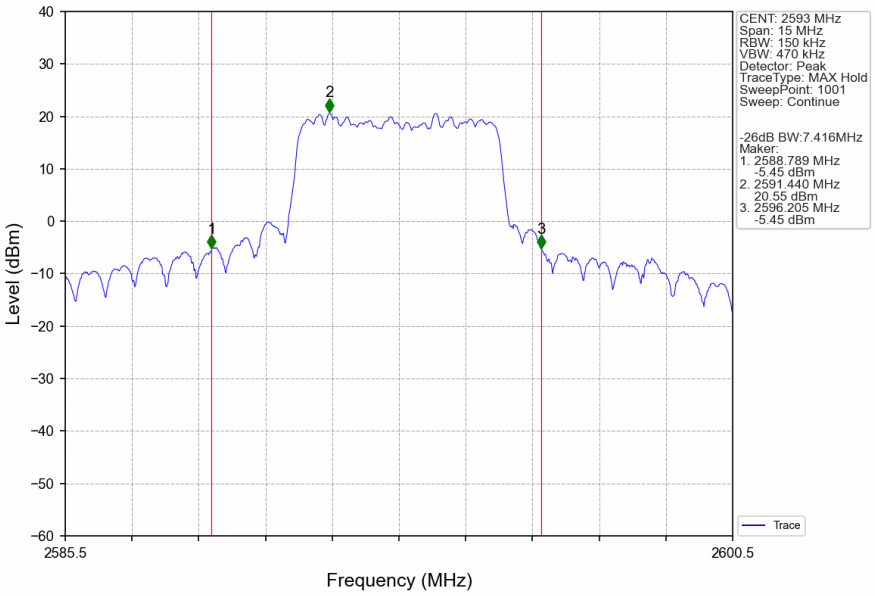
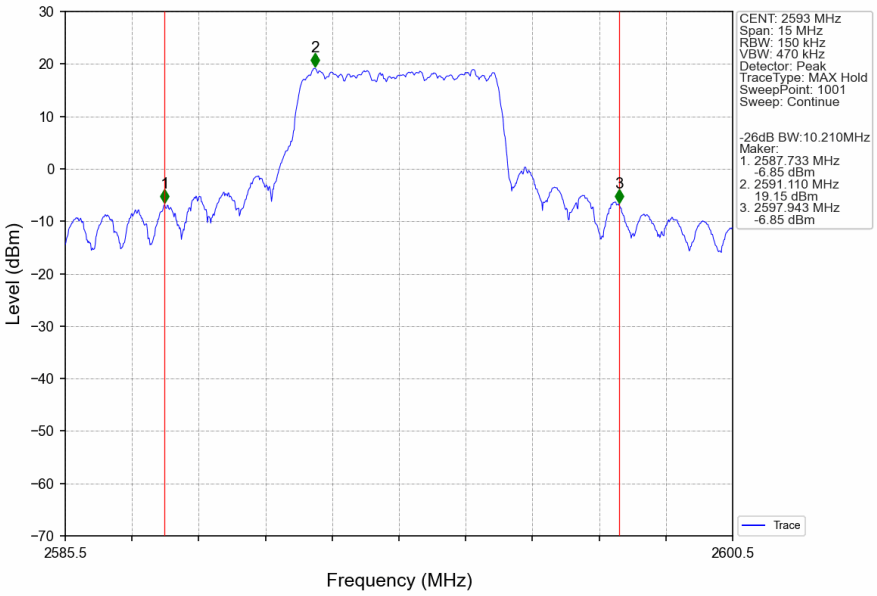
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



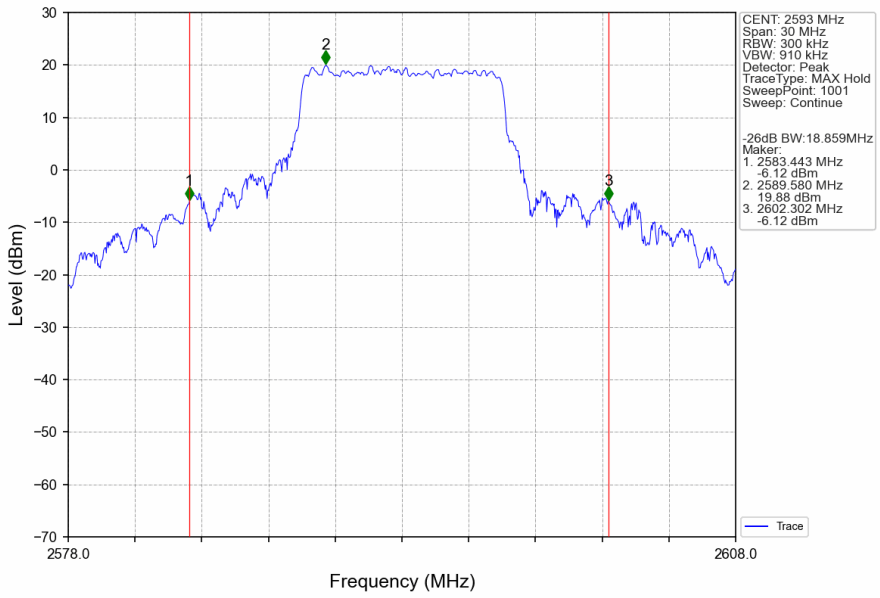
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



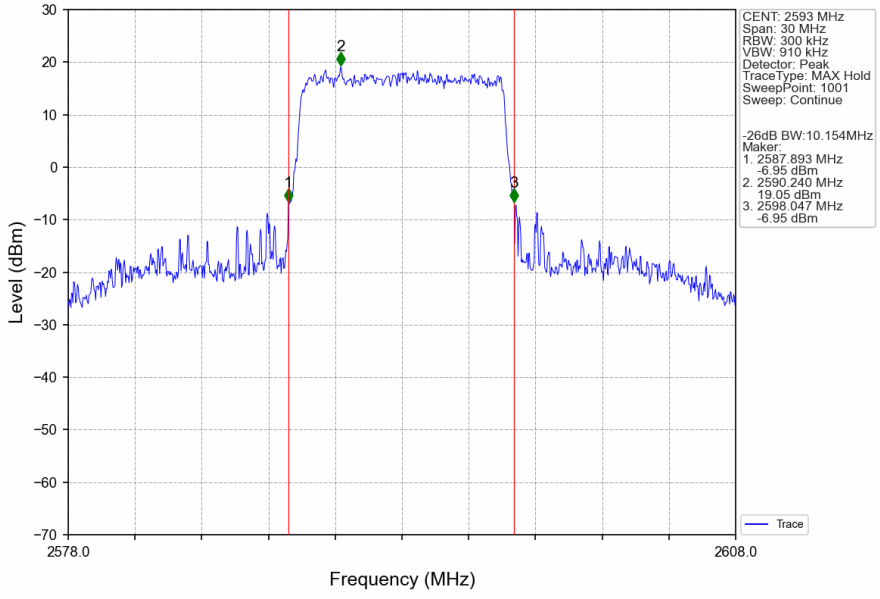
3.2.2 Band41_XDB

Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV

Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV


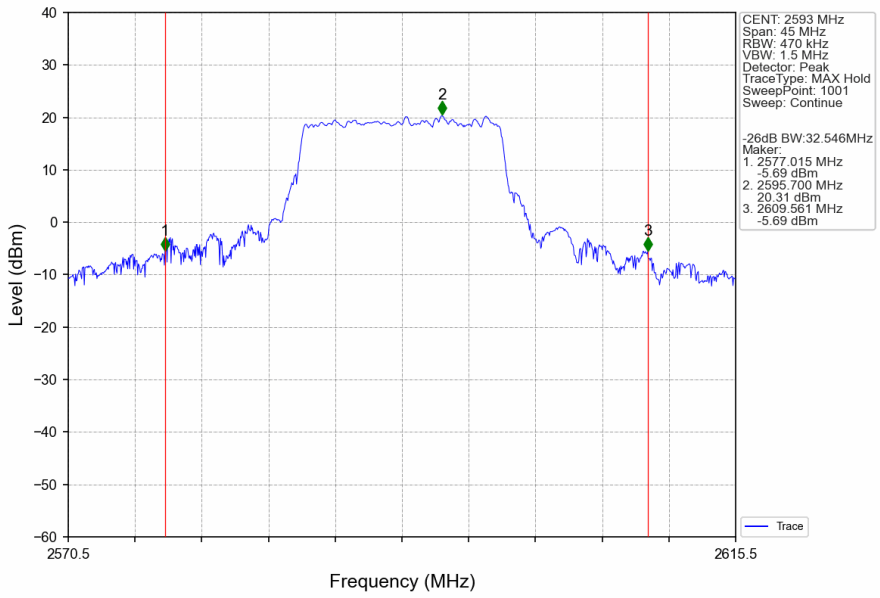
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



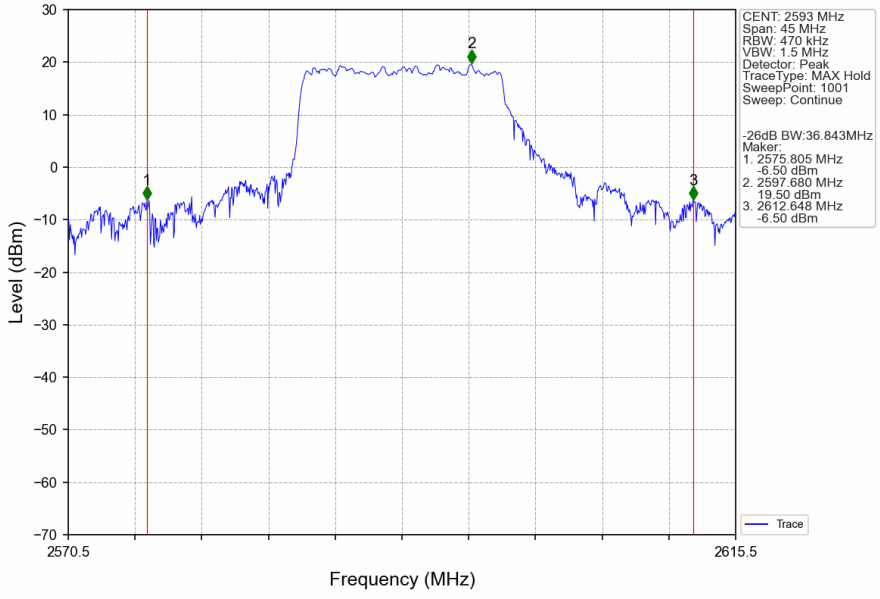
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



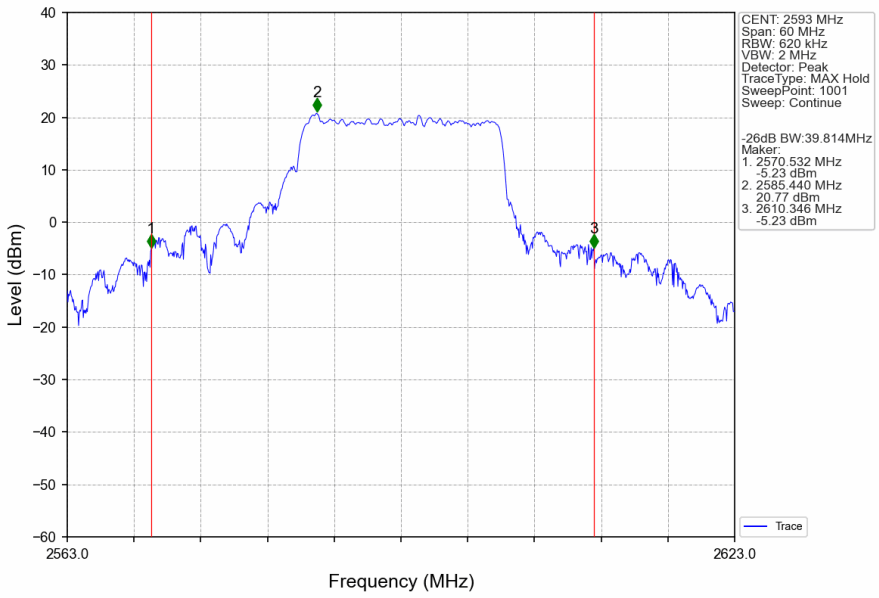
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



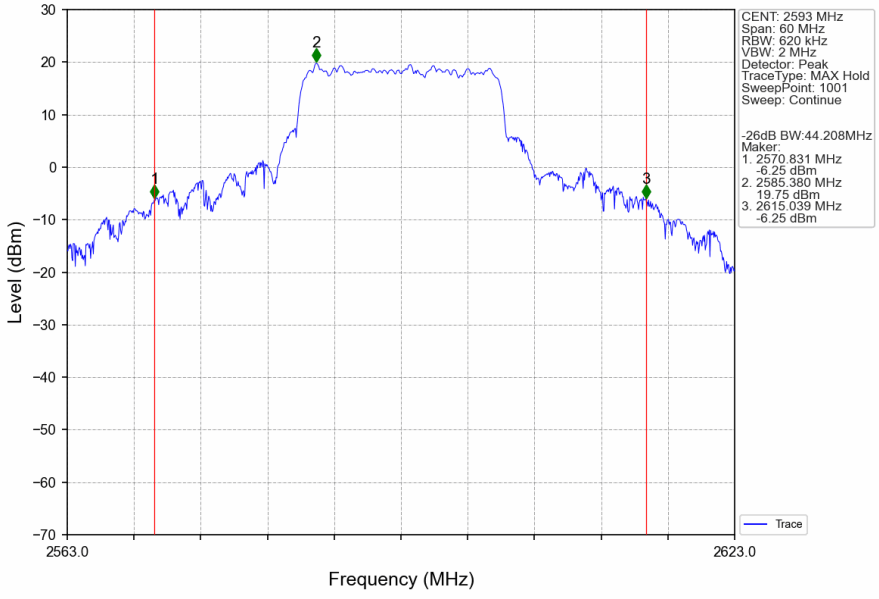
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



4. Peak-Average Ratio

4.1 Test Result

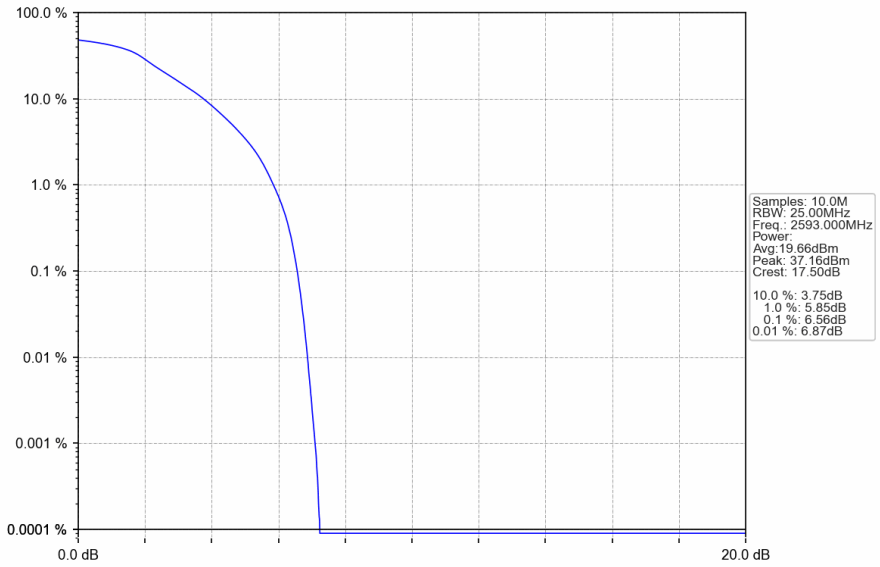
4.1.1 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	6.56	<=13	Pass
16QAM	2593	100	0	7.32	<=13	Pass
64QAM	2593	100	0	8.27	<=13	Pass
256QAM	2593	100	0	8.61	<=13	Pass

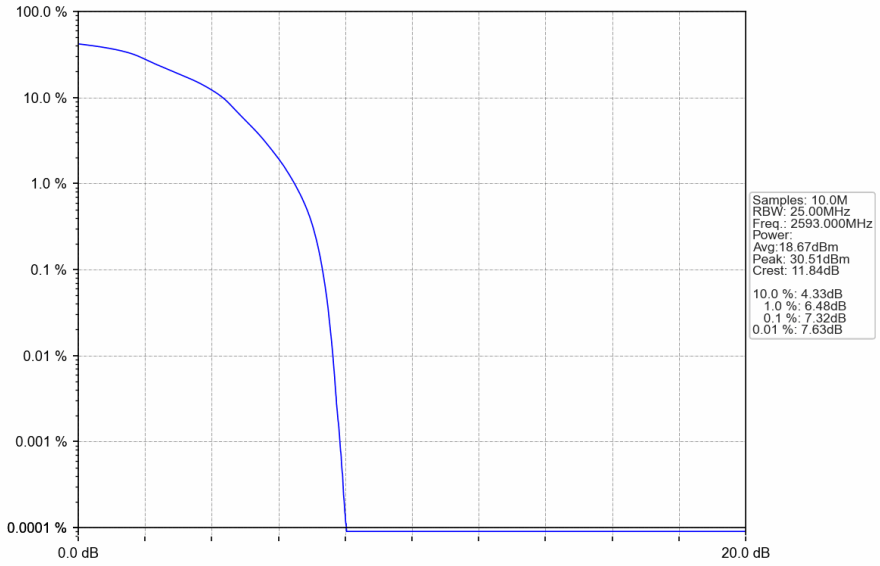
4.2 Test Graph

4.2.1 B41_20MHz

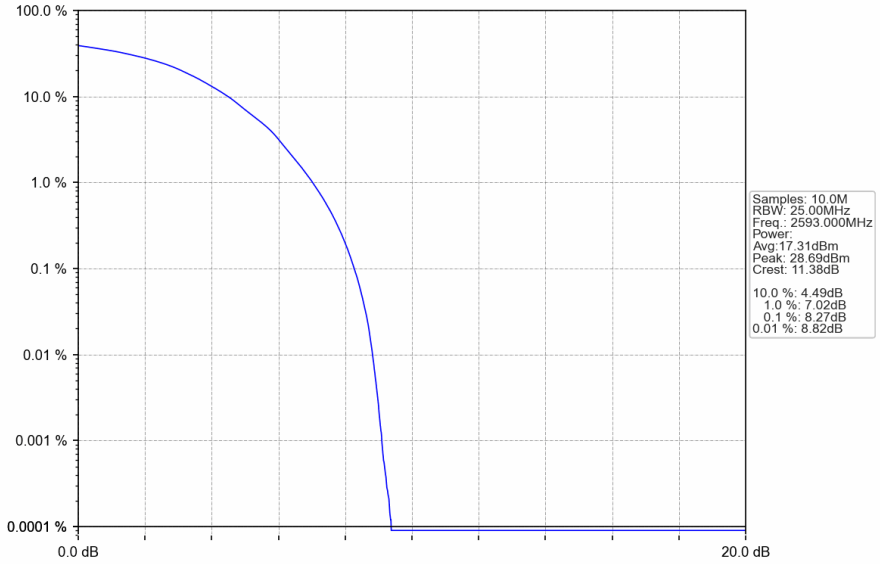
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



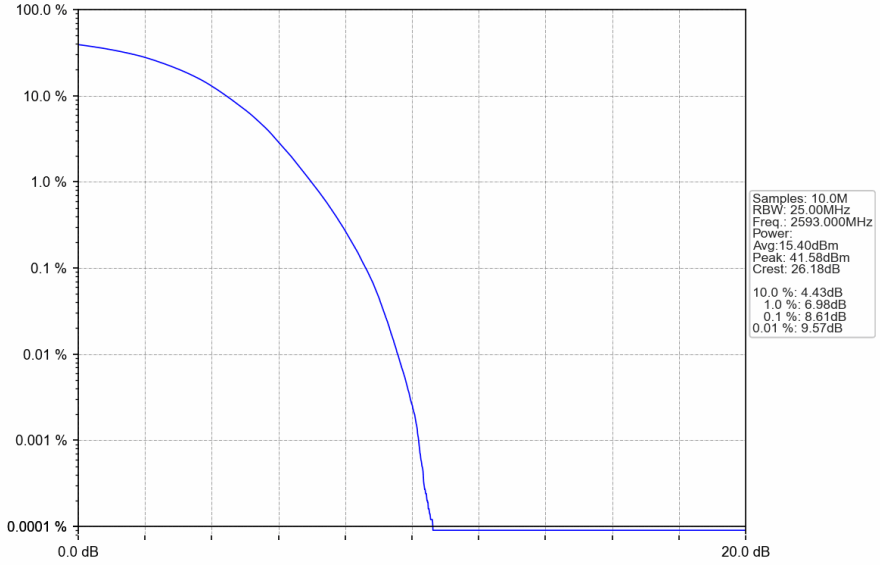
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_256QAM_MCH_2593MHz_RB_100_0_NTNV



5. Spurious Emission

5.1 Test Result

5.1.1 B41_5MHz

Band: 41 / Bandwidth: 5MHz / NTNV						
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

5.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTNV						
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
	2593	1	0	Refer To Test Graph		Pass
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass

5.1.3 B41_15MHz

Band: 41 / Bandwidth: 15MHz / NTNV						
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

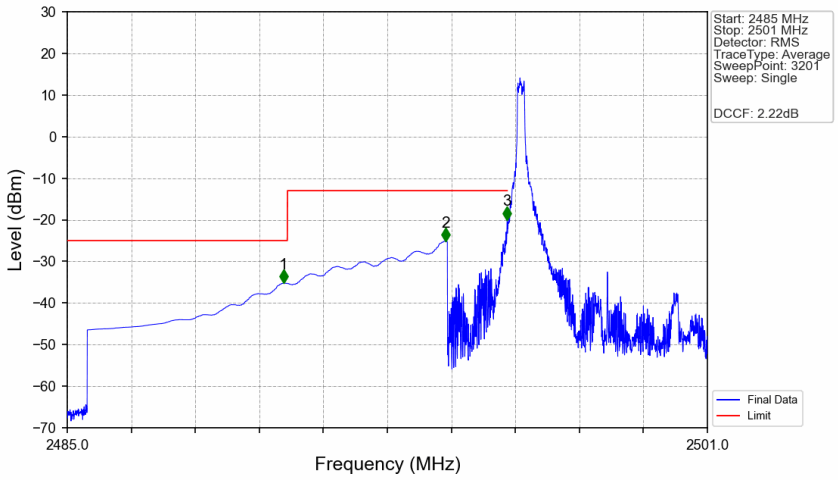
5.1.4 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass

5.2 Test Graph

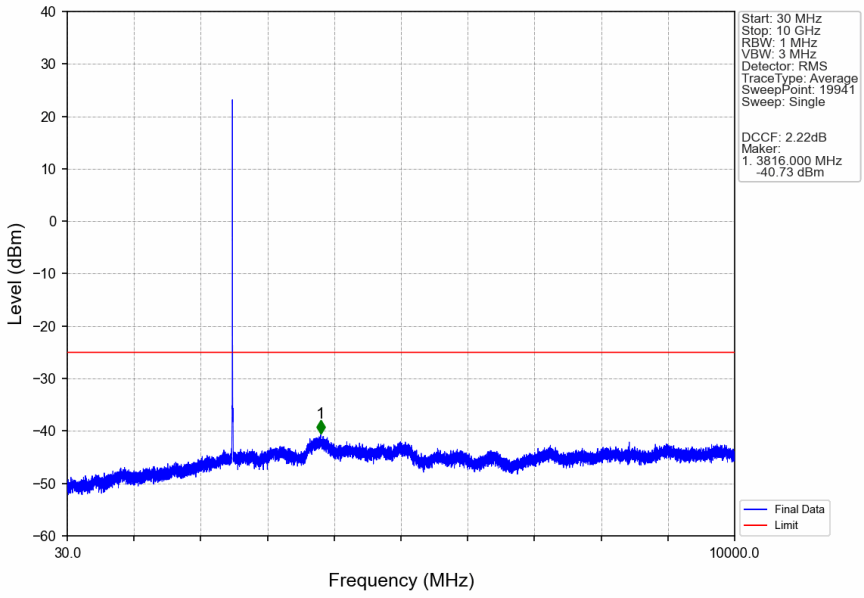
5.2.1 B41_5MHz

Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

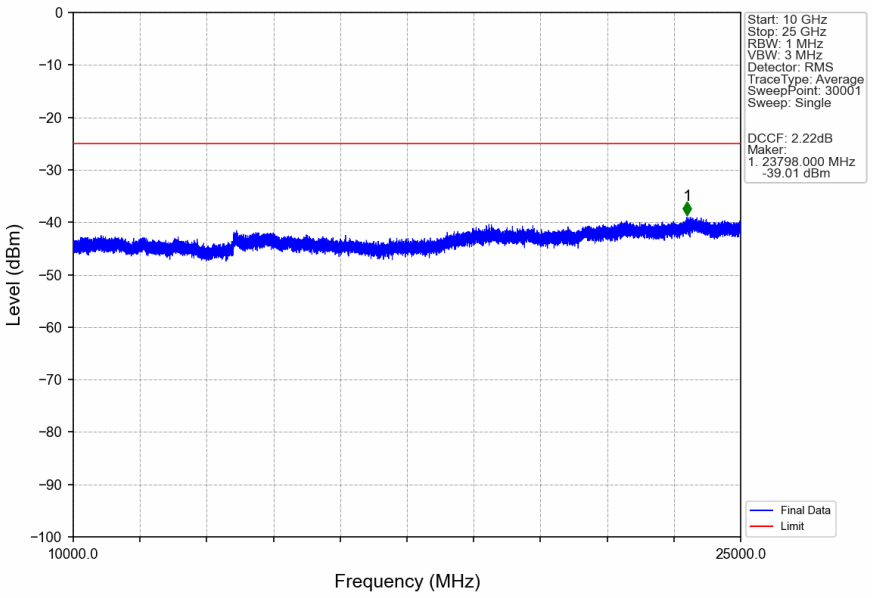


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.410	-35.23	-25	Pass
2490.5	2495	1	CHP	2	2494.460	-25.17	-13	Pass
2495	2496	0.01	/	3	2495.995	-19.95	-13	Pass
2496	2501	0.01	/	/	/	/	/	/

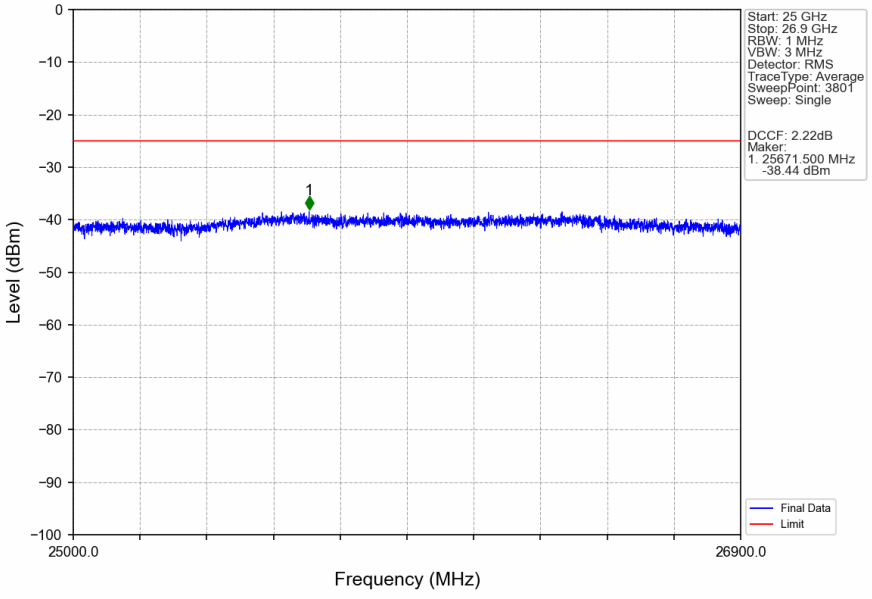
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



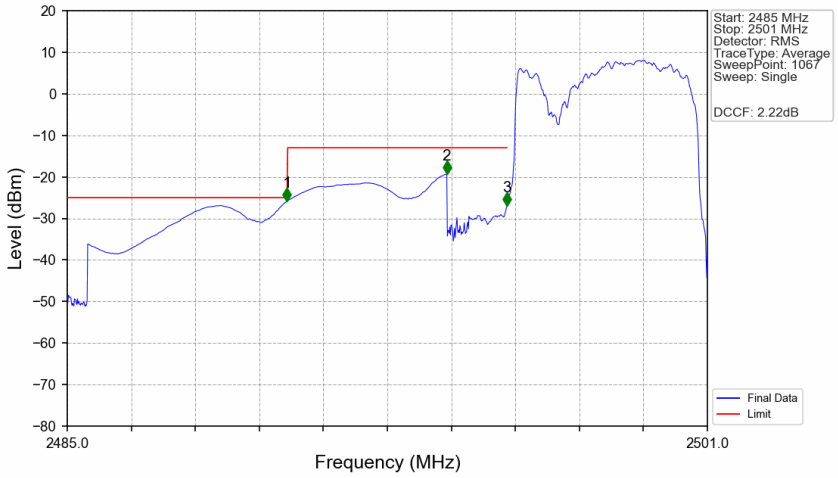
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

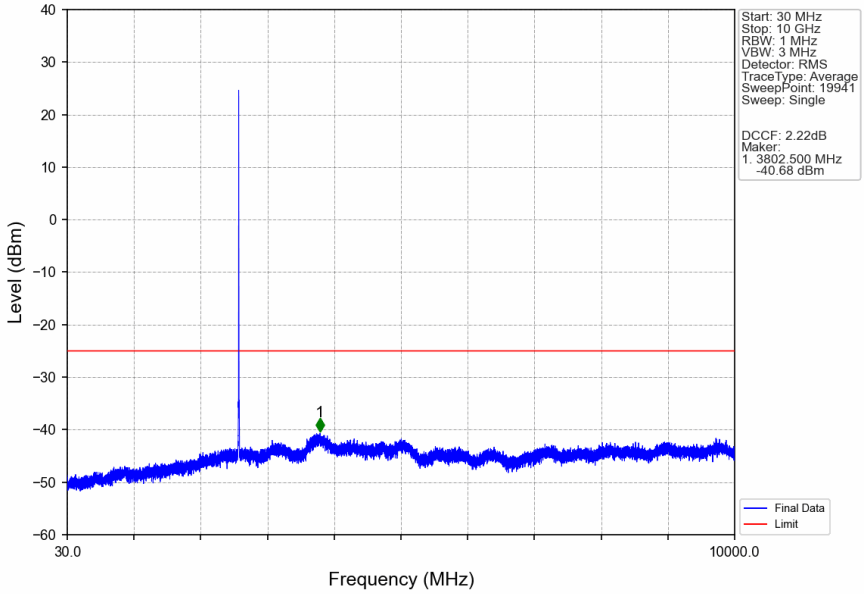


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

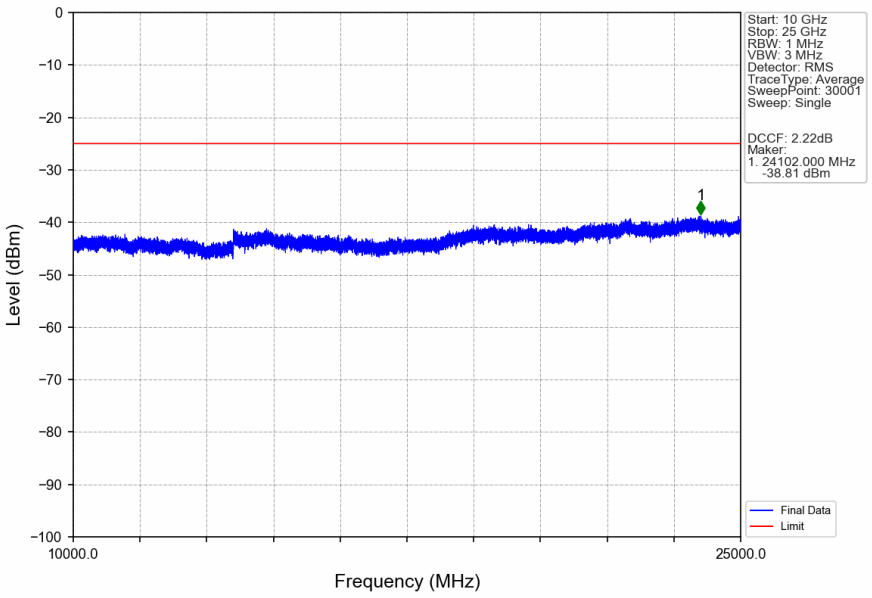


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-25.90	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-19.29	-13	Pass
2495	2496	0.067	CHP	3	2495.987	-27.02	-13	Pass
2496	2501	0.067	CHP	/	/	/	/	/

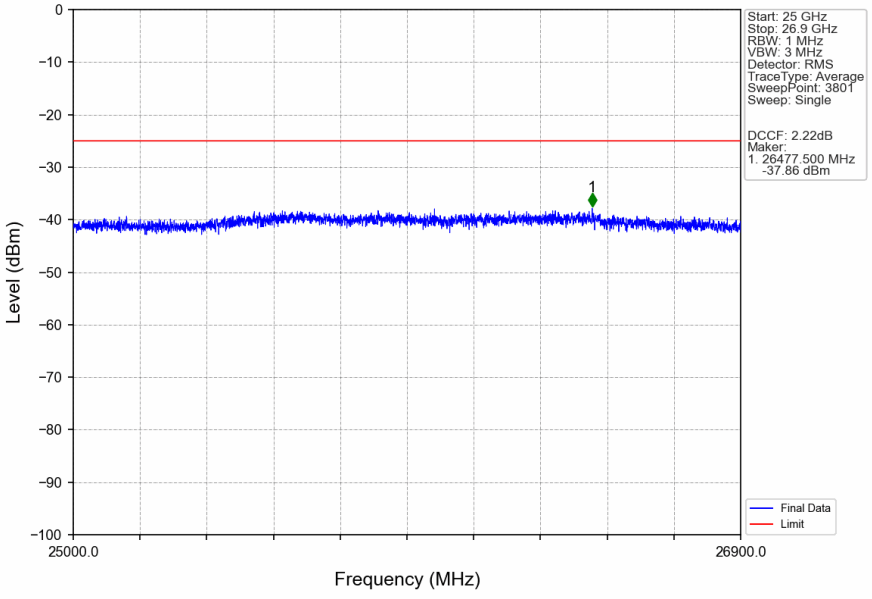
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



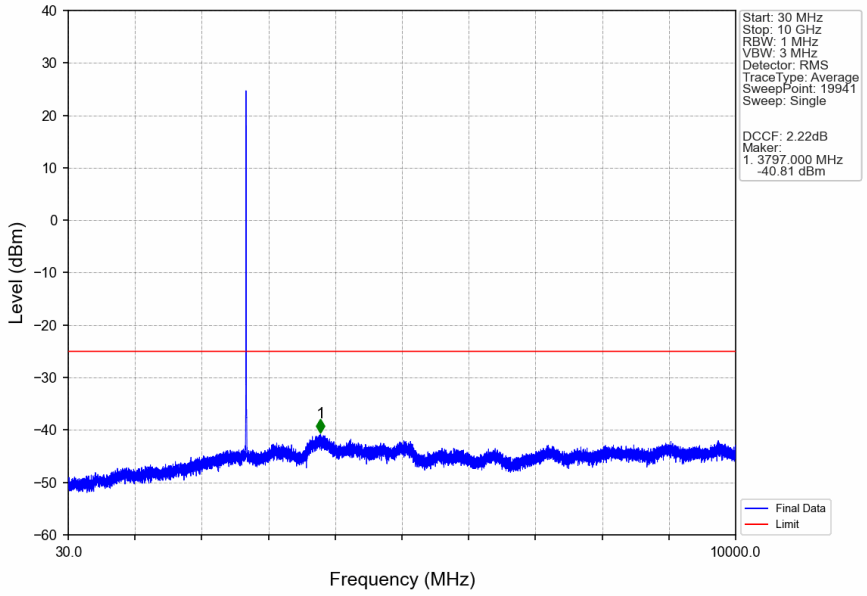
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



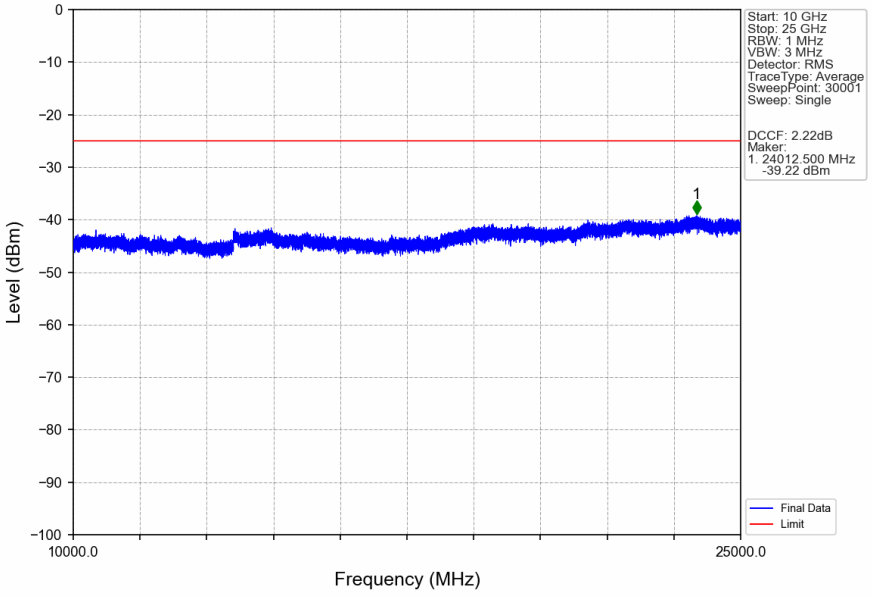
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



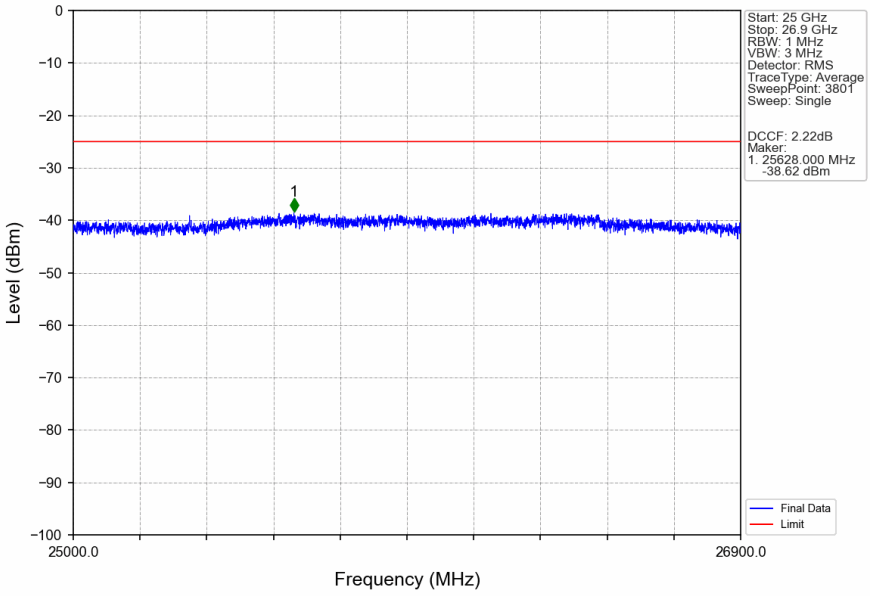
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



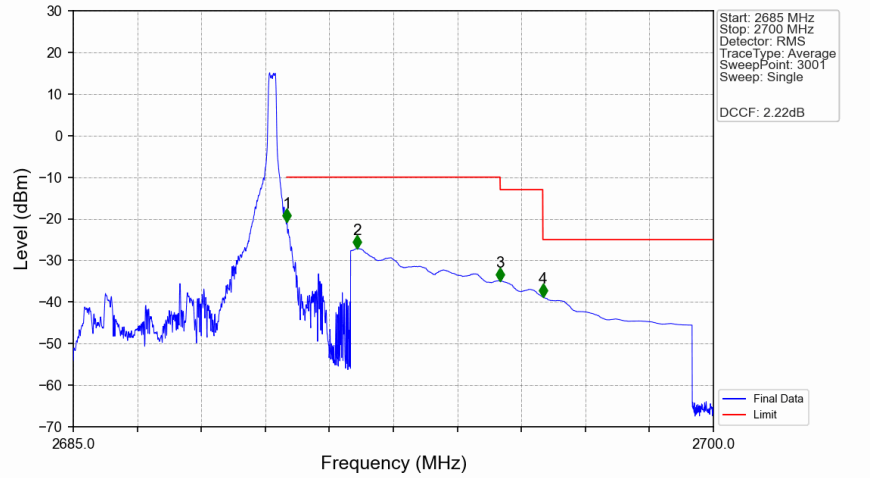
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV

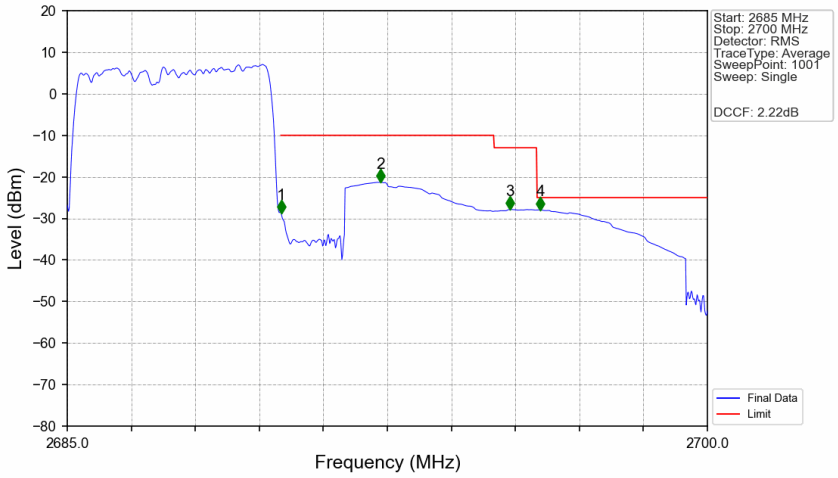


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-20.82	-10	Pass
2691	2695	1	CHP	2	2691.650	-27.13	-10	Pass
2695	2696	1	CHP	3	2695.005	-34.92	-13	Pass
2696	2700	1	CHP	4	2696.005	-38.83	-25	Pass

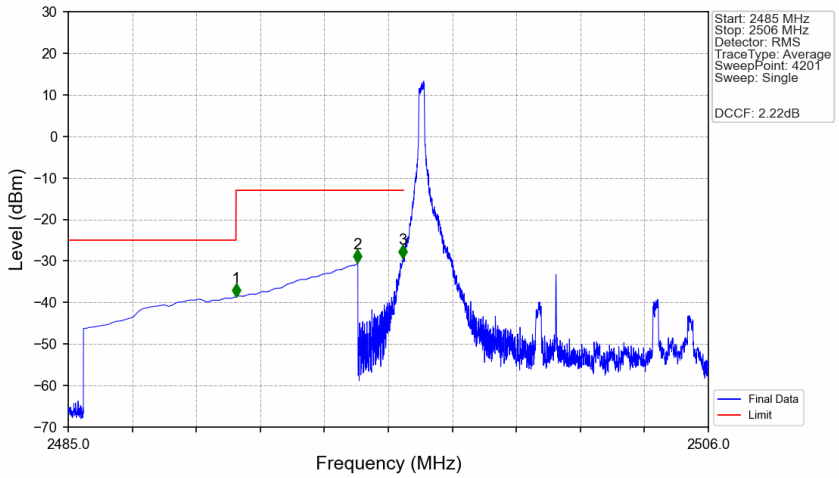
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.116	CHP	/	/	/	/	/
2690	2691	0.116	CHP	1	2690.010	-28.72	-10	Pass
2691	2695	1	CHP	2	2692.335	-21.27	-10	Pass
2695	2696	1	CHP	3	2695.380	-27.84	-13	Pass
2696	2700	1	CHP	4	2696.085	-27.94	-25	Pass

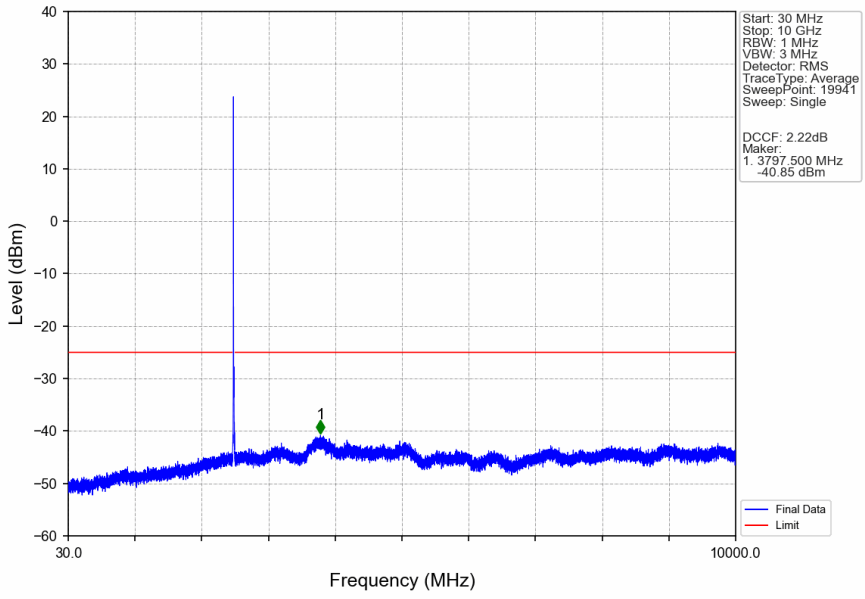
5.2.2 B41_10MHz

Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

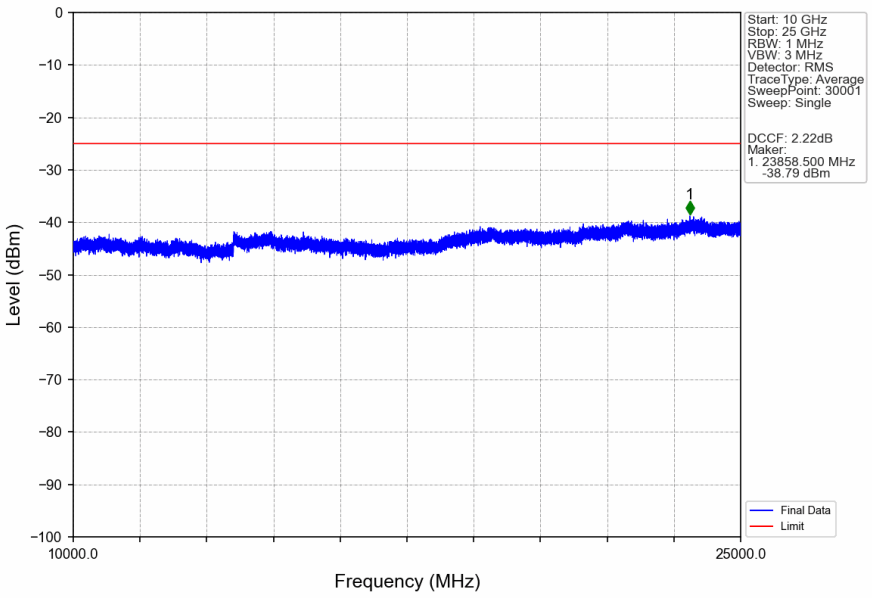


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-38.54	-25	Pass
2490.5	2495	1	CHP	2	2494.480	-30.48	-13	Pass
2495	2496	0.01	/	3	2495.980	-29.38	-13	Pass
2496	2506	0.01	/	/	/	/	/	/

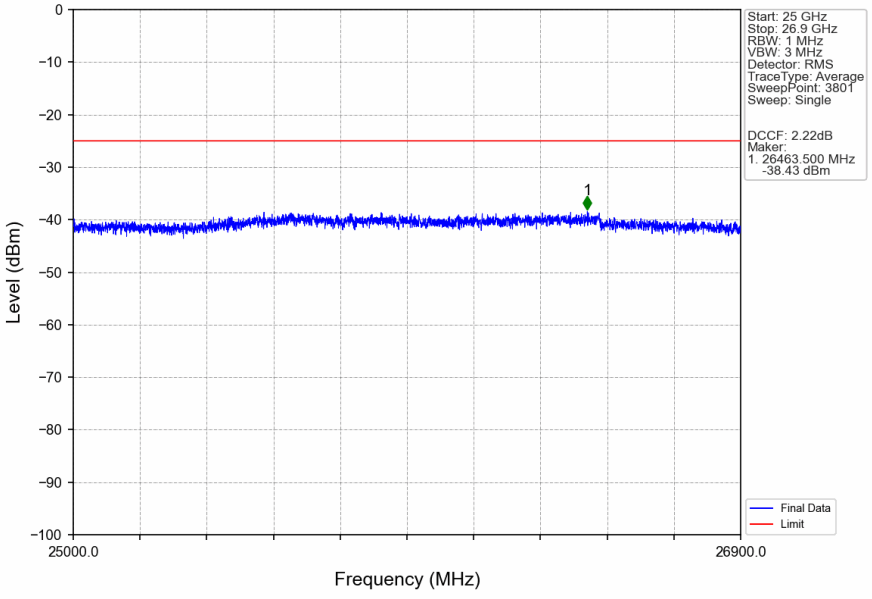
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



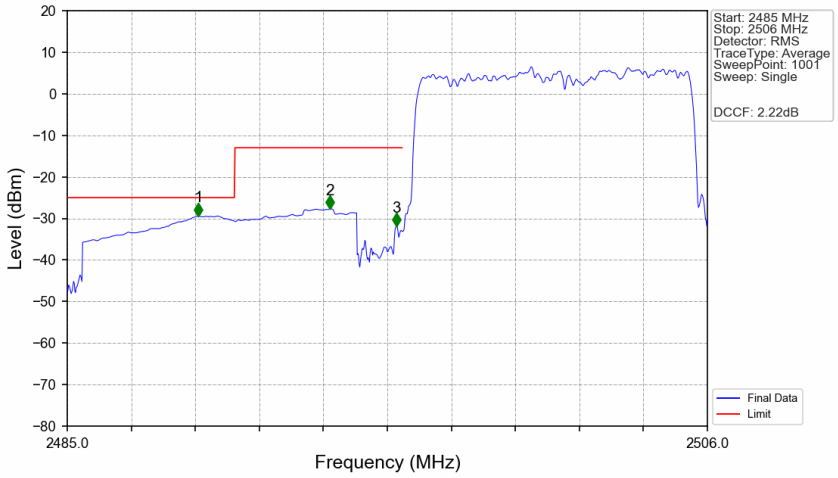
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

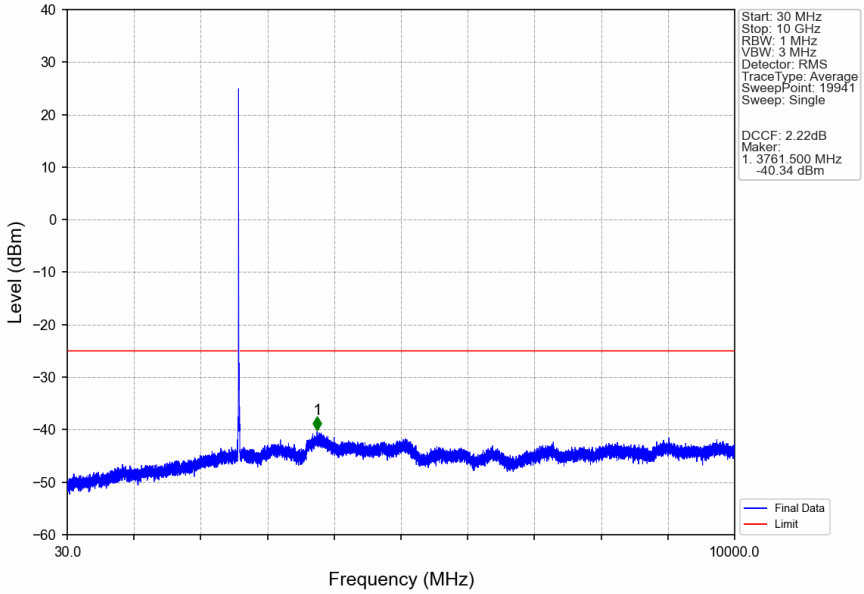


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

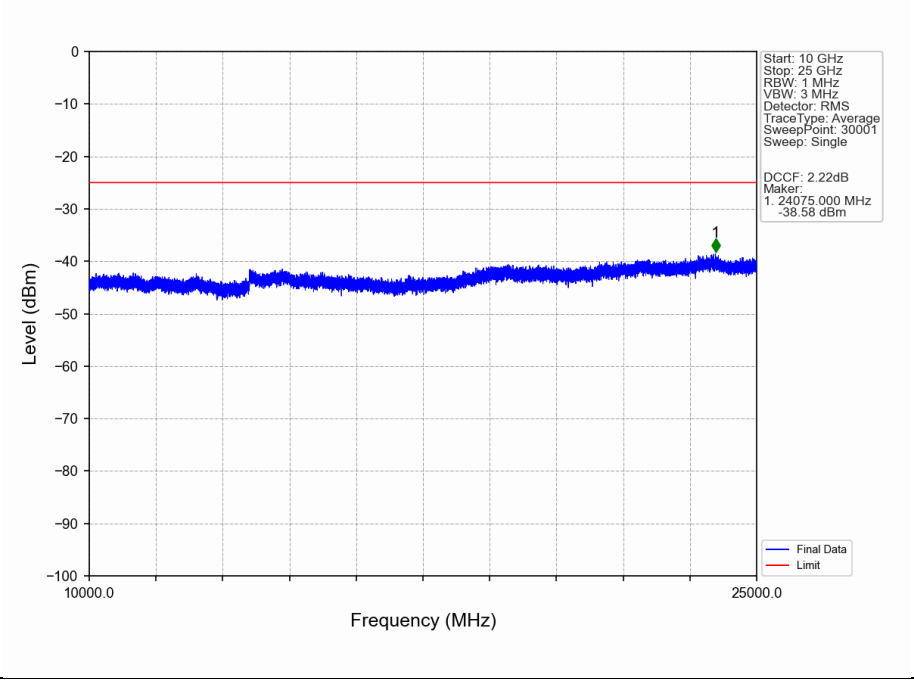


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.305	-29.40	-25	Pass
2490.5	2495	1	CHP	2	2493.610	-27.73	-13	Pass
2495	2496	0.113	CHP	3	2495.794	-31.90	-13	Pass
2496	2506	0.113	CHP	/	/	/	/	/

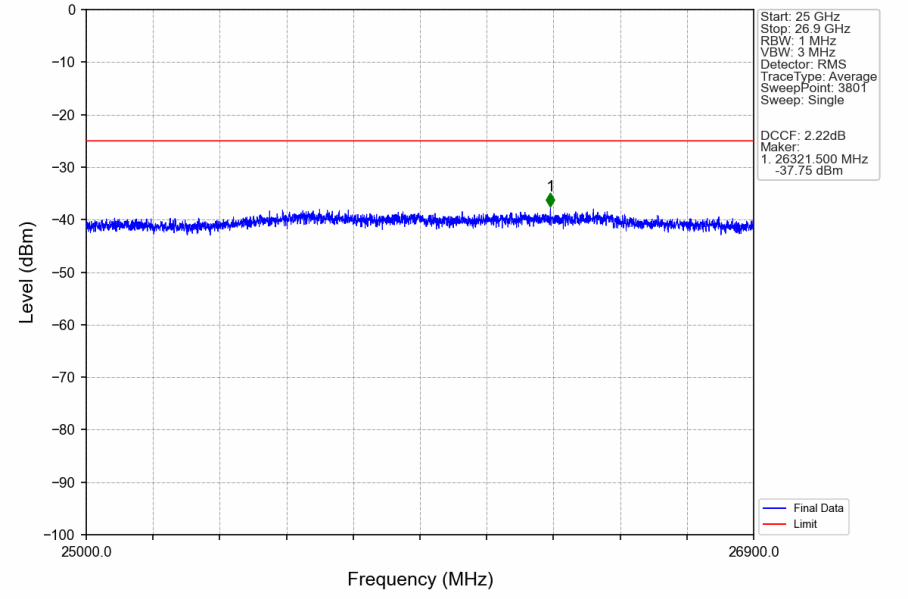
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



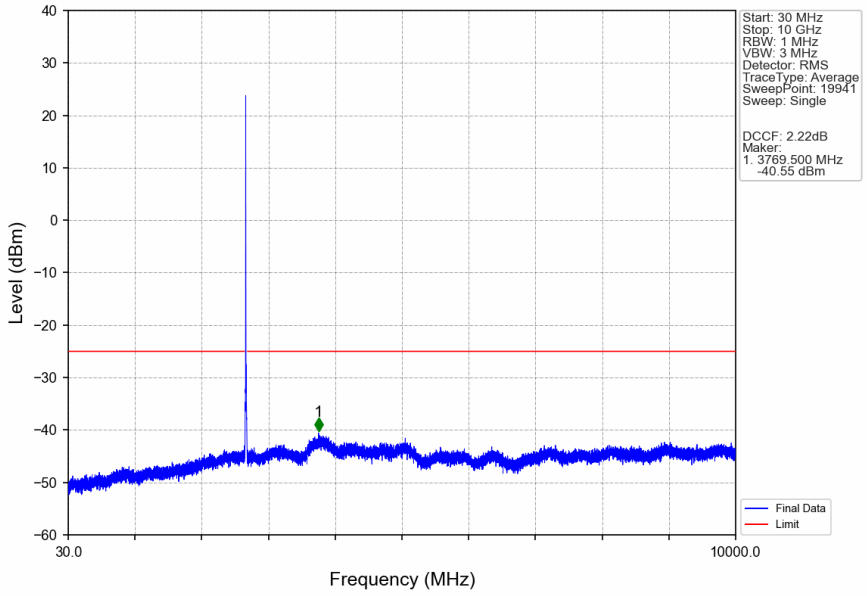
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



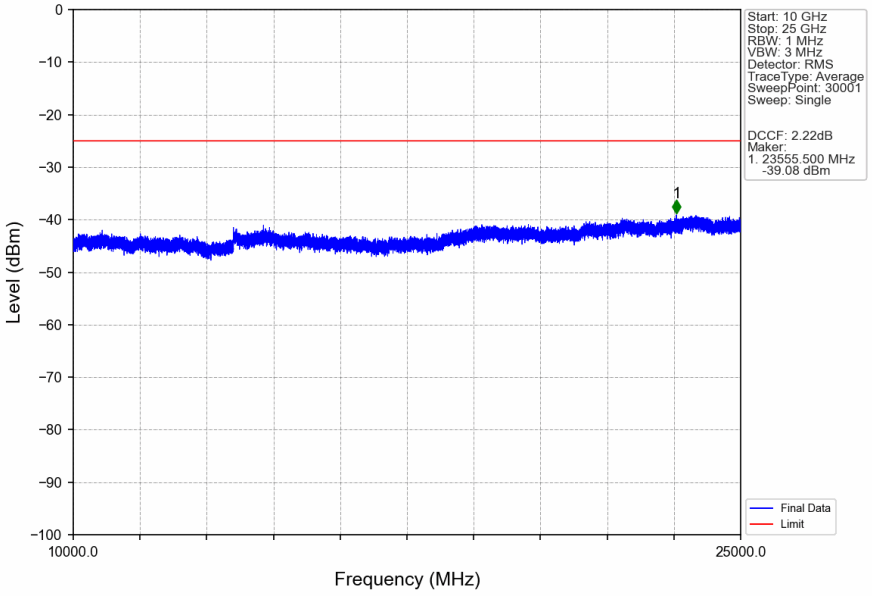
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



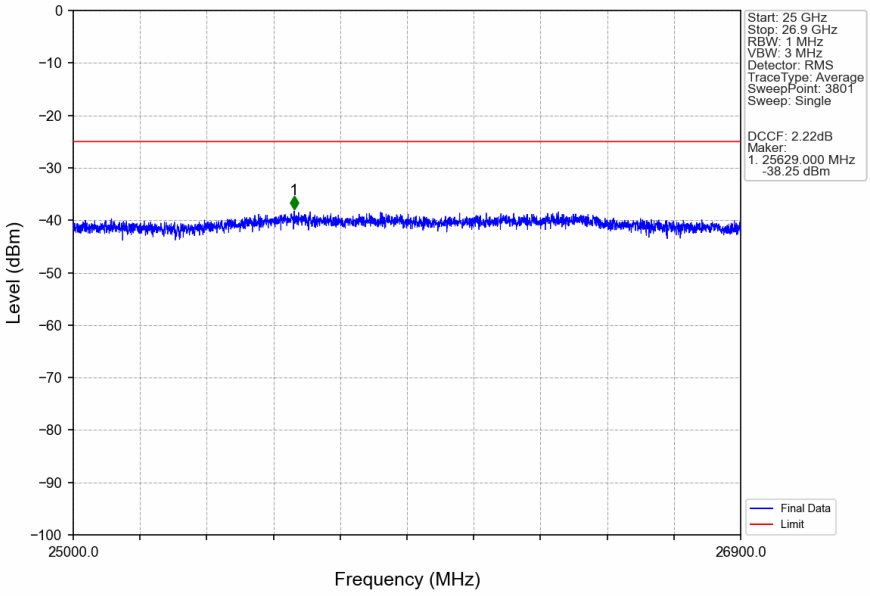
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



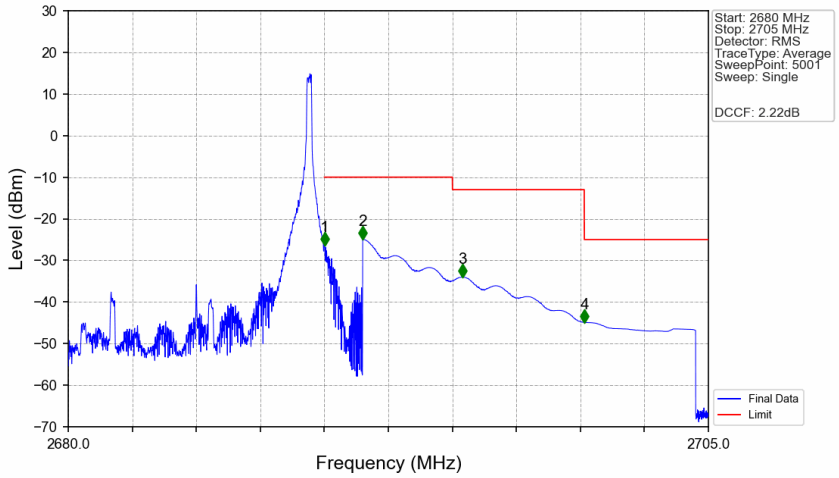
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

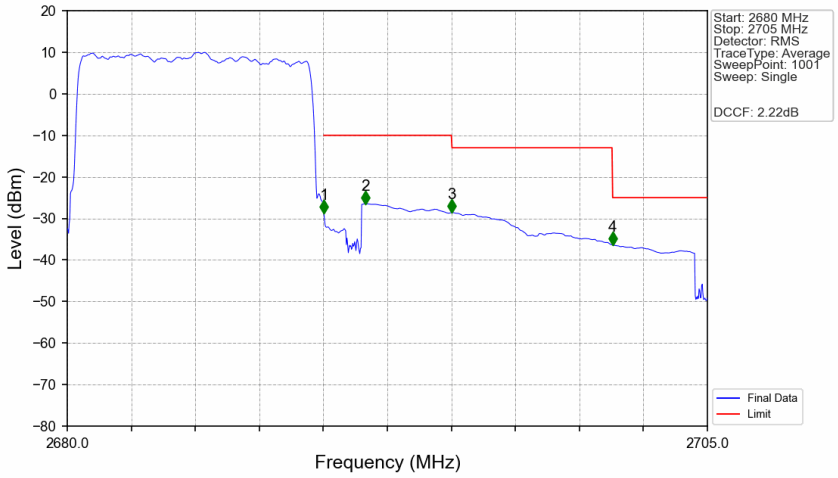


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-26.41	-10	Pass
2691	2695	1	CHP	2	2691.500	-24.96	-10	Pass
2695	2700.154	1	CHP	3	2695.410	-34.00	-13	Pass
2700.154	2705	1	CHP	4	2700.165	-44.91	-25	Pass

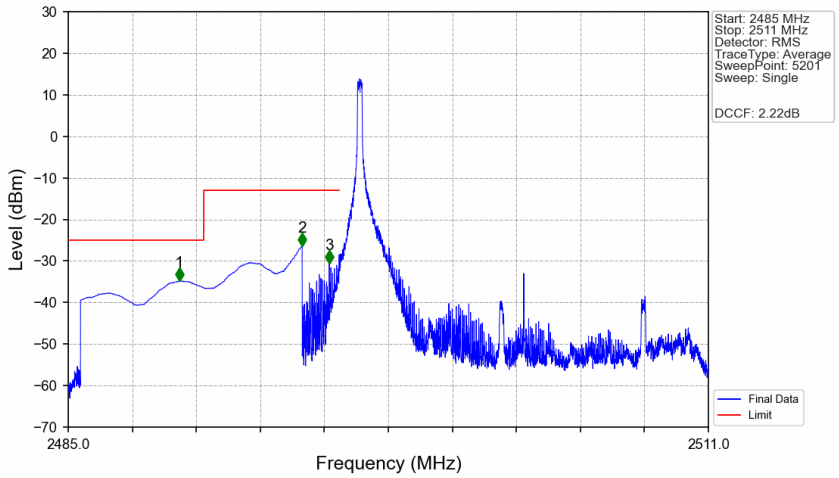
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.226	CHP	/	/	/	/	/
2690	2691	0.226	CHP	1	2690.025	-28.76	-10	Pass
2691	2695	1	CHP	2	2691.650	-26.49	-10	Pass
2695	2701.284	1	CHP	3	2695.025	-28.54	-13	Pass
2701.284	2705	1	CHP	4	2701.300	-36.41	-25	Pass

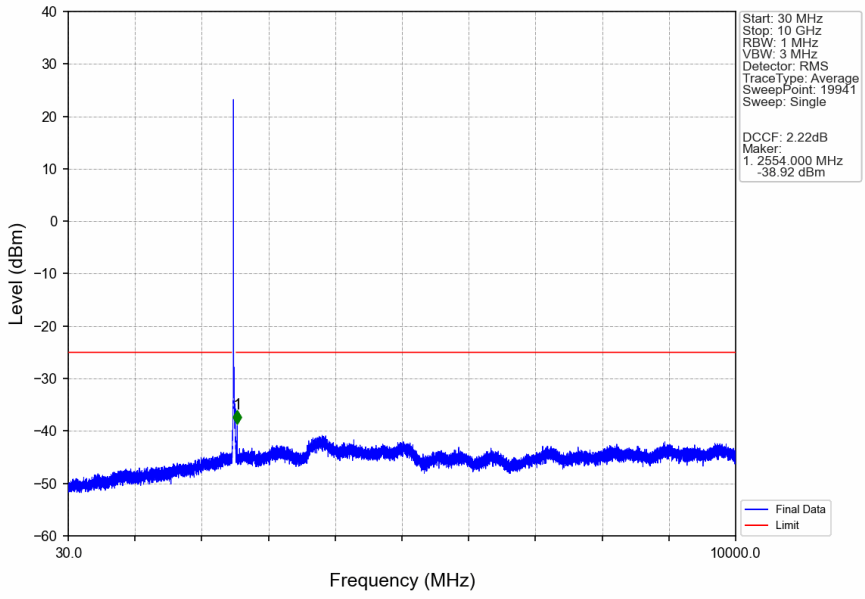
5.2.3 B41_15MHz

Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

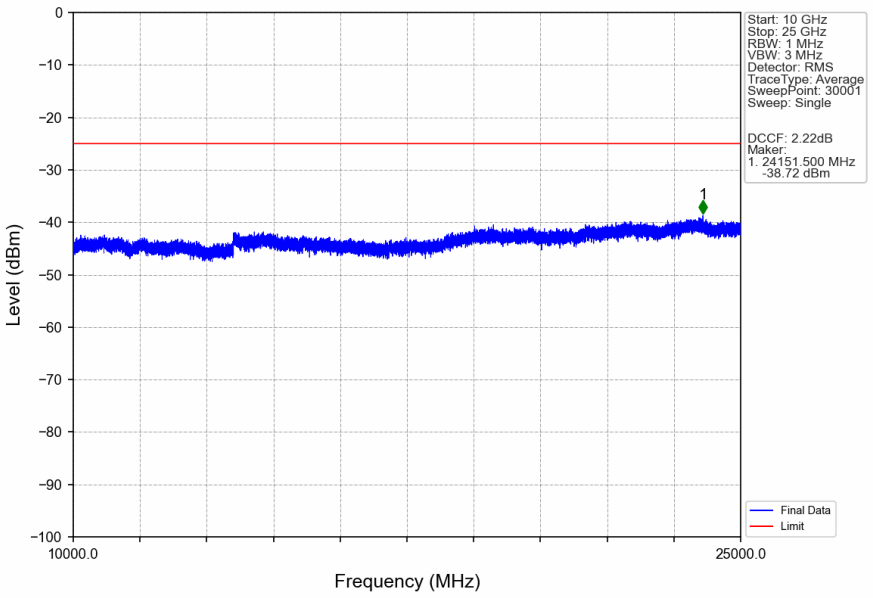


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.505	-34.77	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-26.36	-13	Pass
2495	2496	0.01	/	3	2495.600	-30.62	-13	Pass
2496	2511	0.01	/	/	/	/	/	/

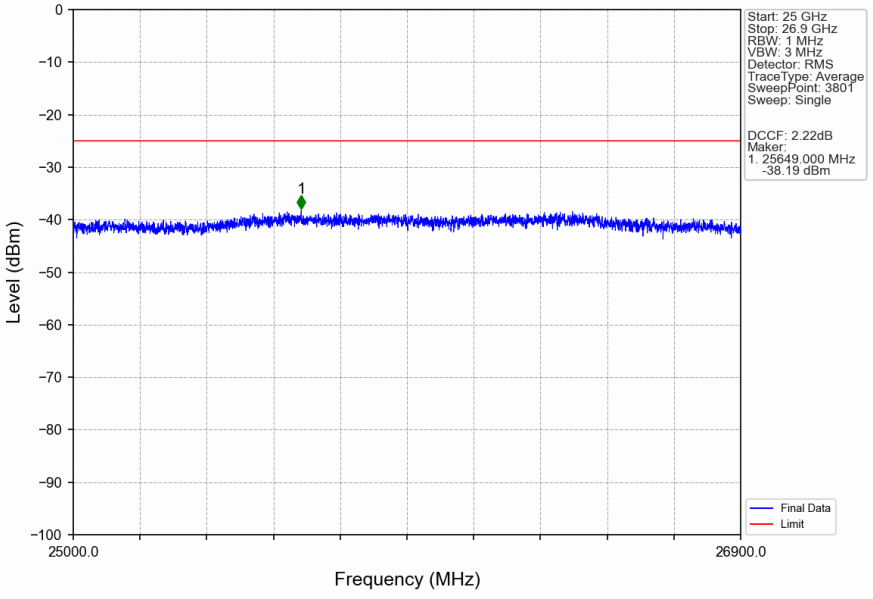
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



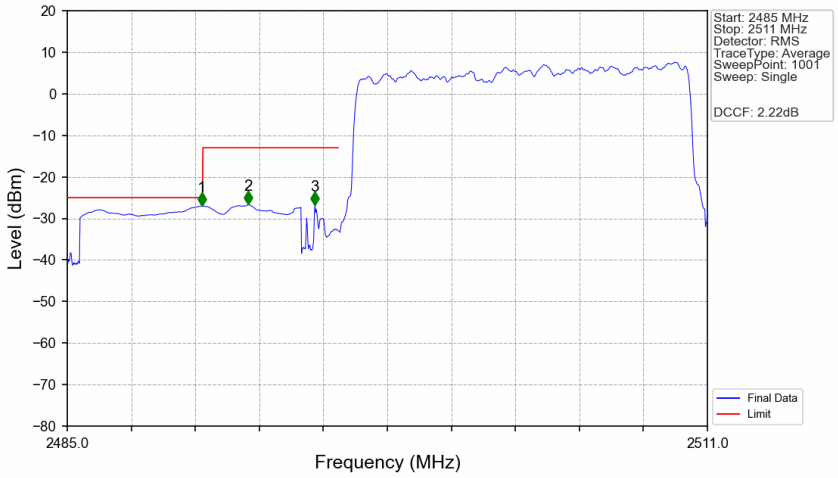
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

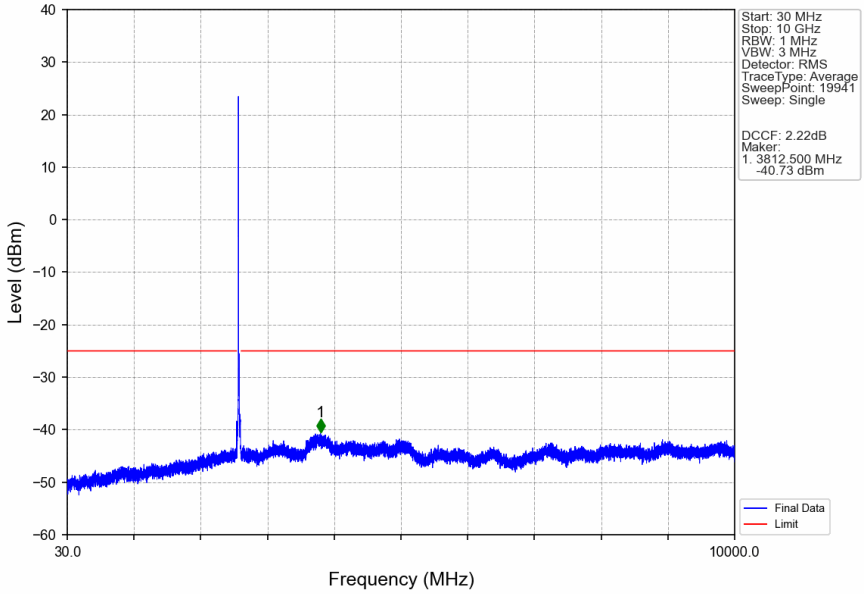


Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

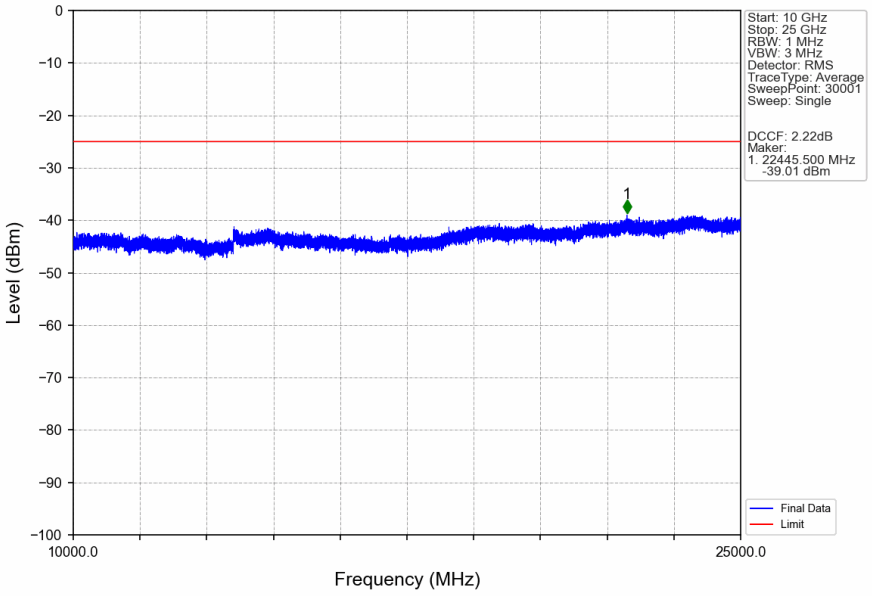


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.460	-27.01	-25	Pass
2490.5	2495	1	CHP	2	2492.358	-26.65	-13	Pass
2495	2496	0.206	CHP	3	2495.062	-26.78	-13	Pass
2496	2511	0.206	CHP	/	/	/	/	/

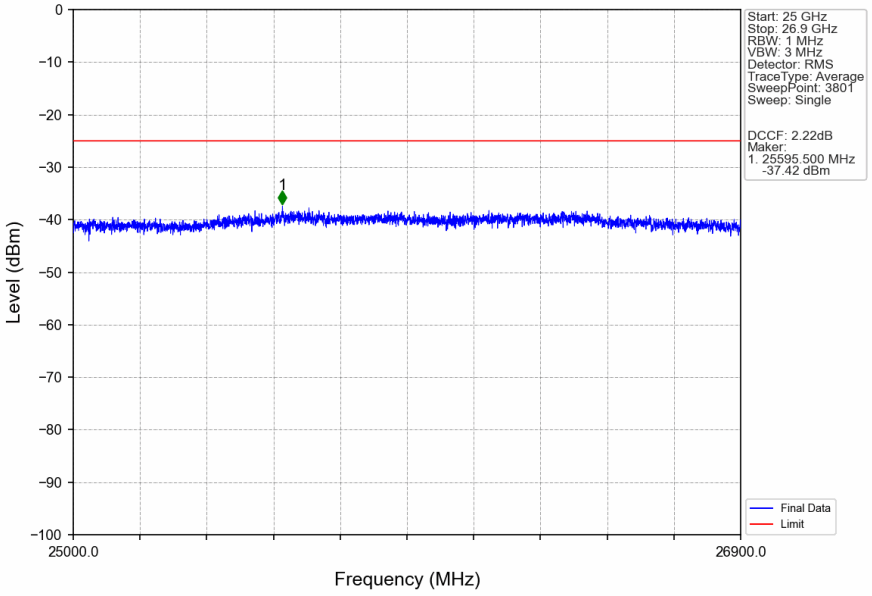
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



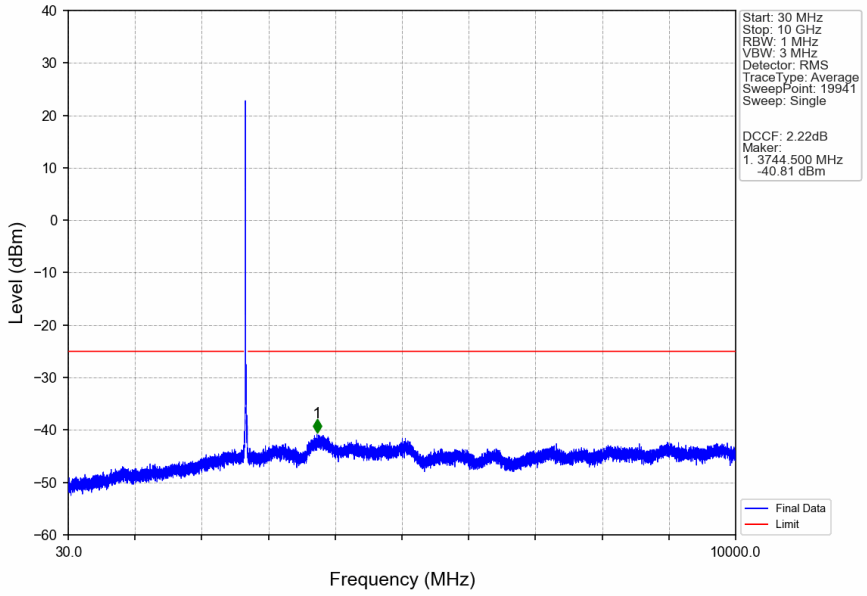
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



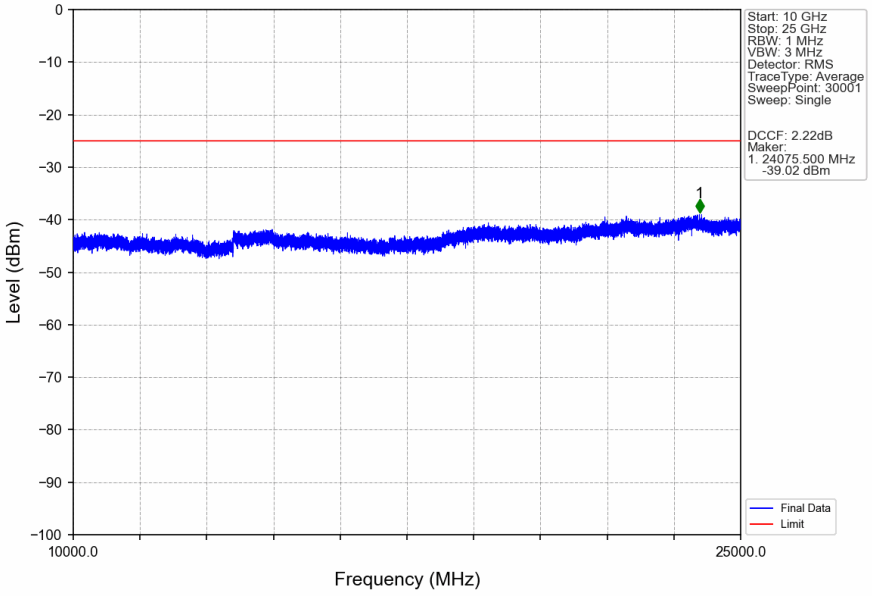
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



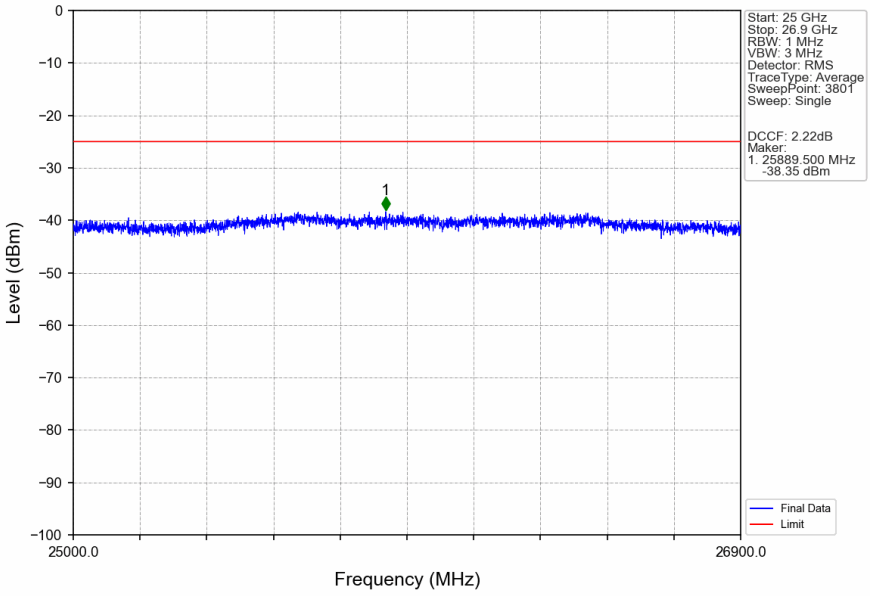
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



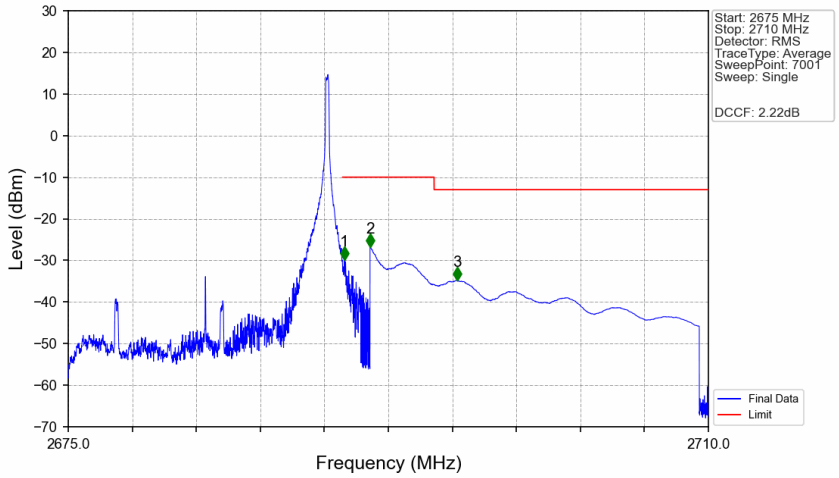
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

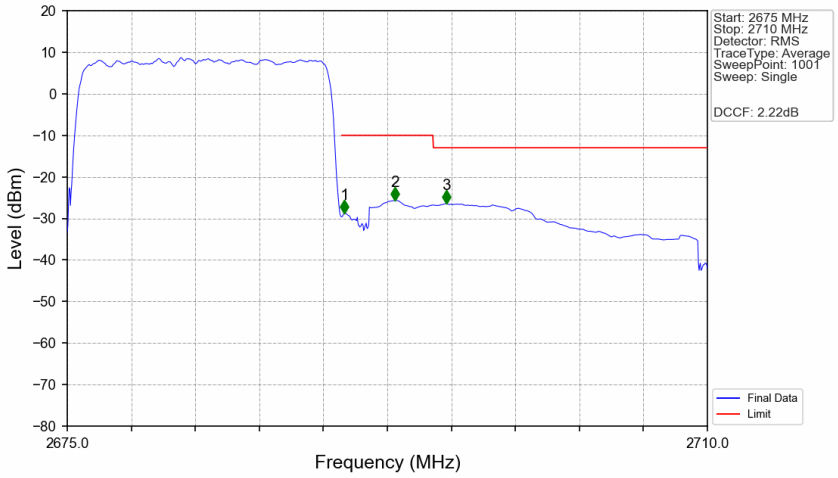


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.095	-29.92	-10	Pass
2691	2695	1	CHP	2	2691.505	-26.82	-10	Pass
2695	2710	1	CHP	3	2696.245	-34.80	-13	Pass

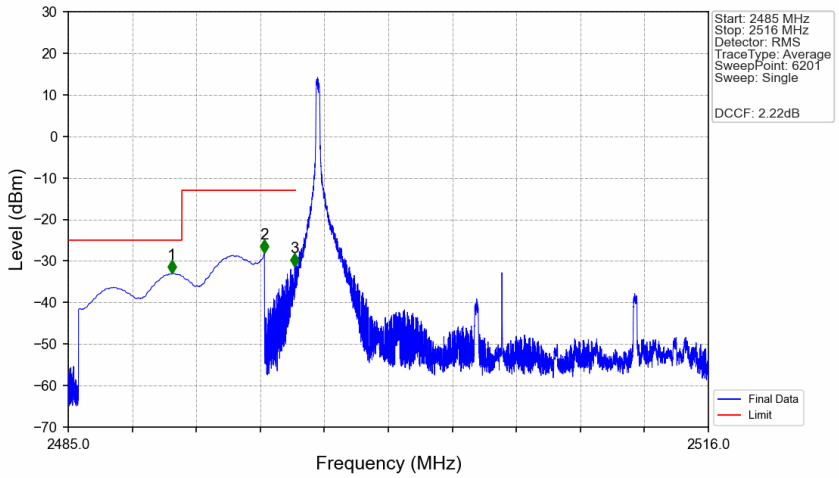
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.412	CHP	/	/	/	/	/
2690	2691	0.412	CHP	1	2690.155	-28.73	-10	Pass
2691	2695	1	CHP	2	2692.920	-25.64	-10	Pass
2695	2710	1	CHP	3	2695.720	-26.46	-13	Pass

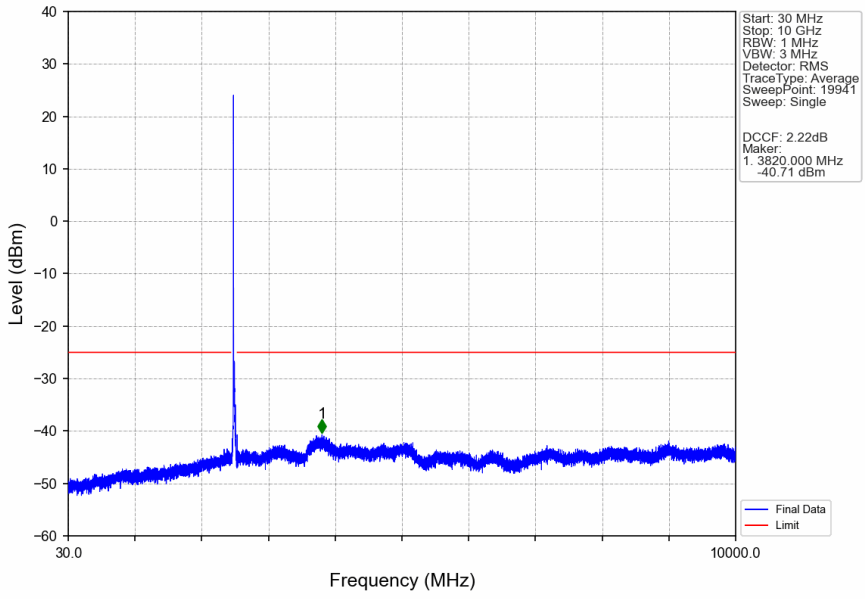
5.2.4 B41_20MHz

Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

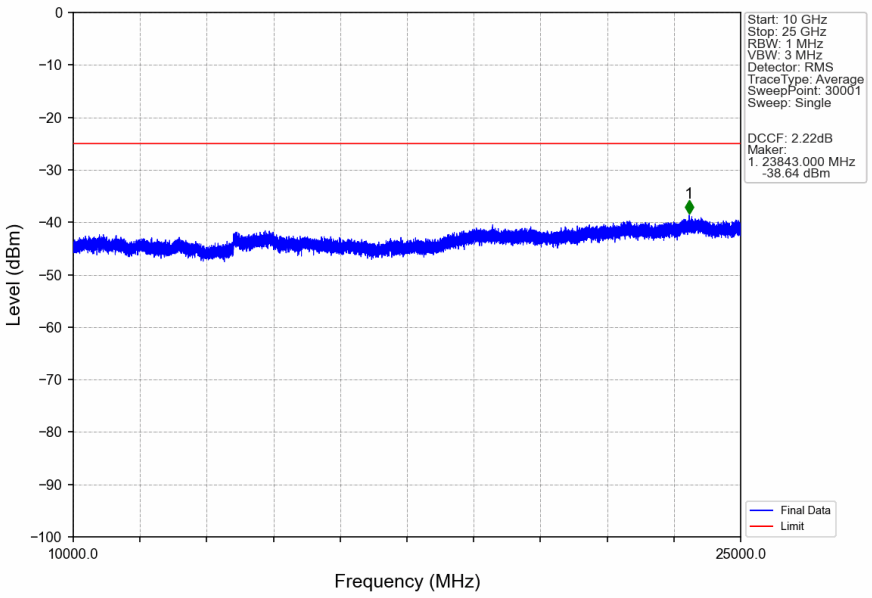


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.020	-33.02	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-28.12	-13	Pass
2495	2496	0.01	/	3	2495.965	-31.38	-13	Pass
2496	2516	0.01	/	/	/	/	/	/

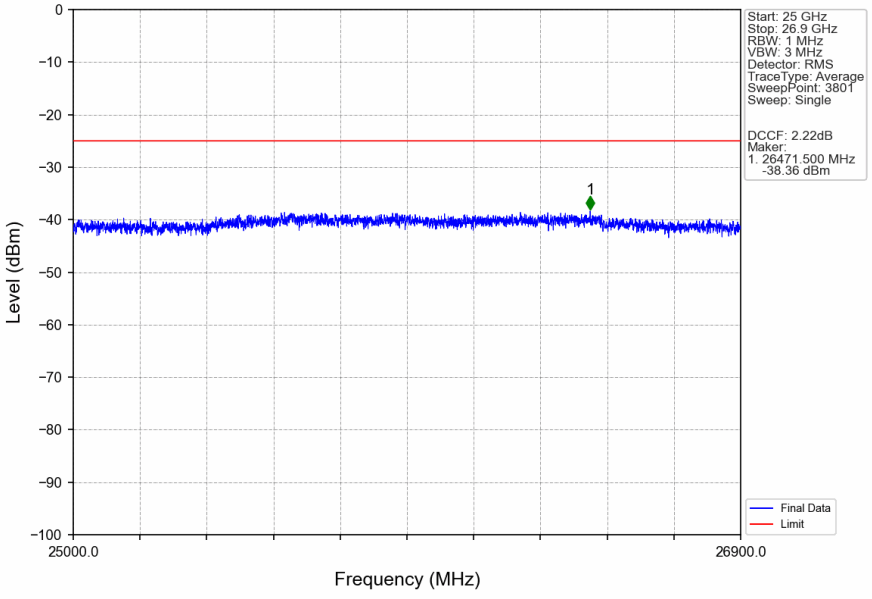
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



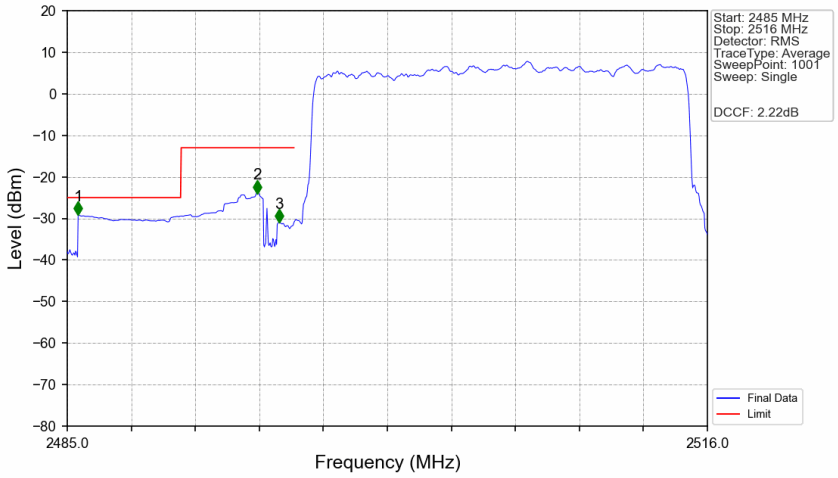
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

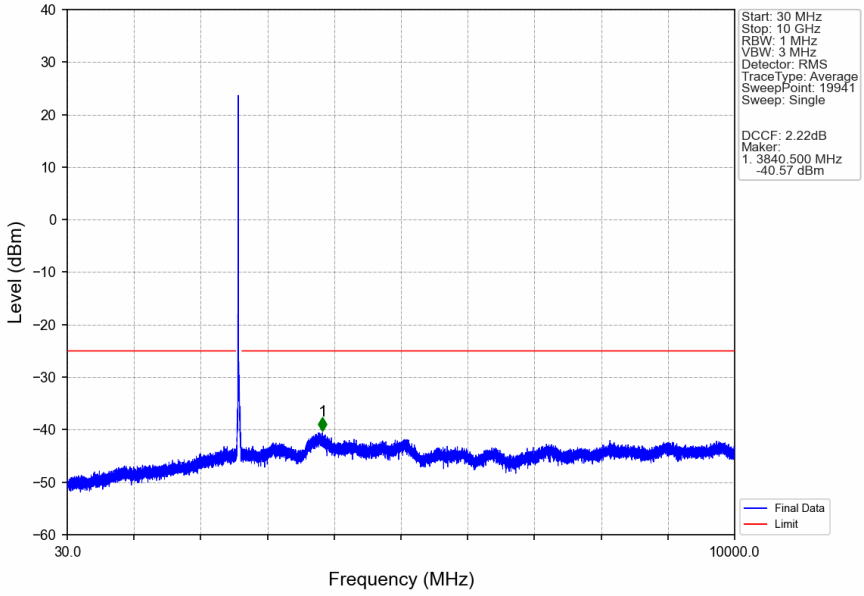


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

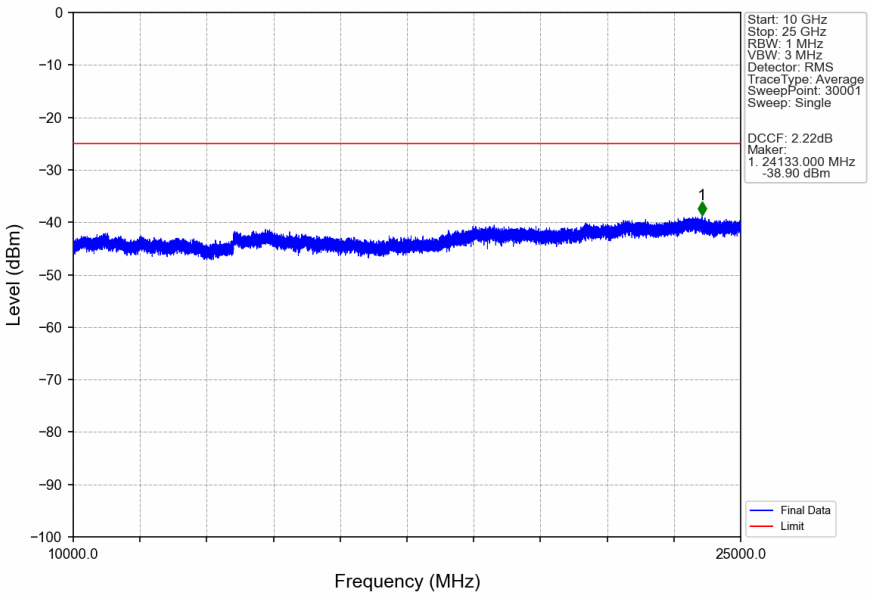


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2485.527	-29.14	-25	Pass
2490.5	2495	1	CHP	2	2494.207	-23.93	-13	Pass
2495	2496	0.287	CHP	3	2495.261	-30.95	-13	Pass
2496	2516	0.287	CHP	/	/	/	/	/

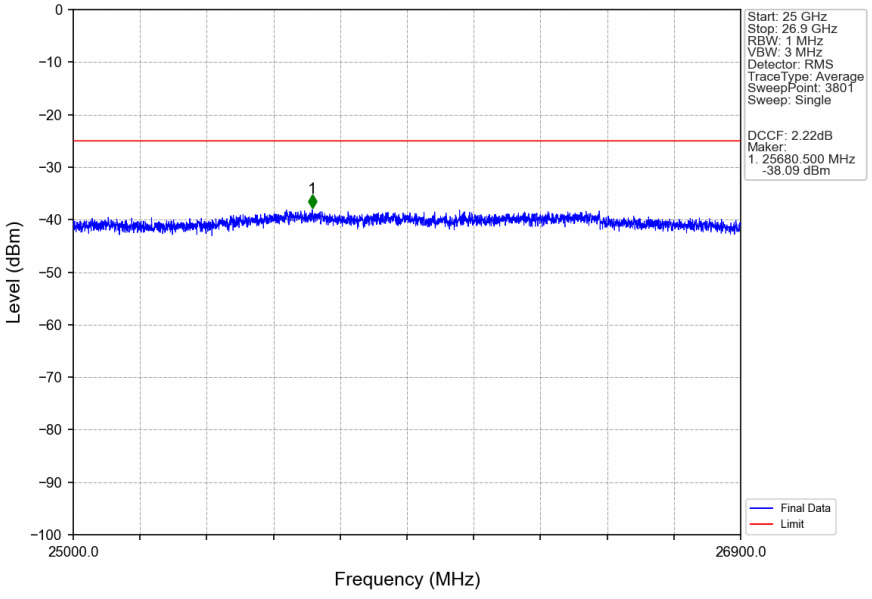
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



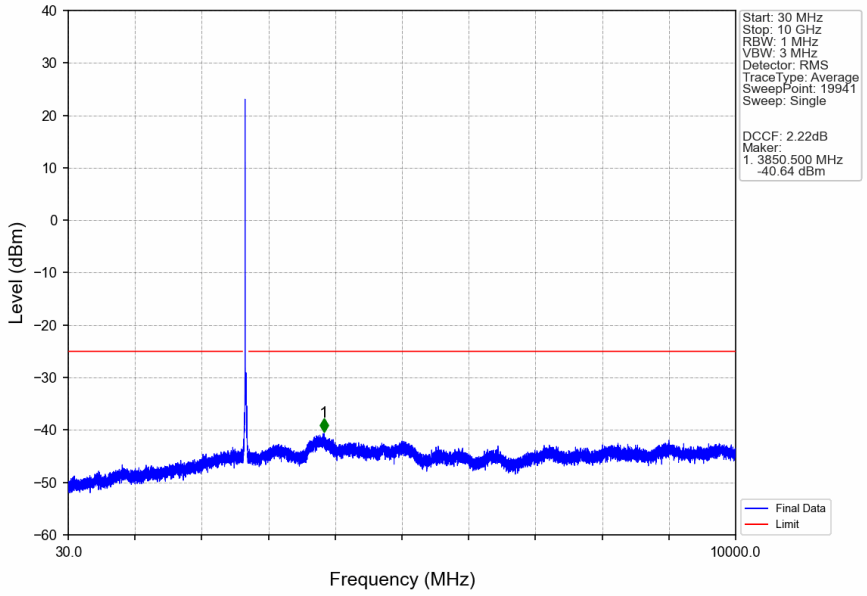
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



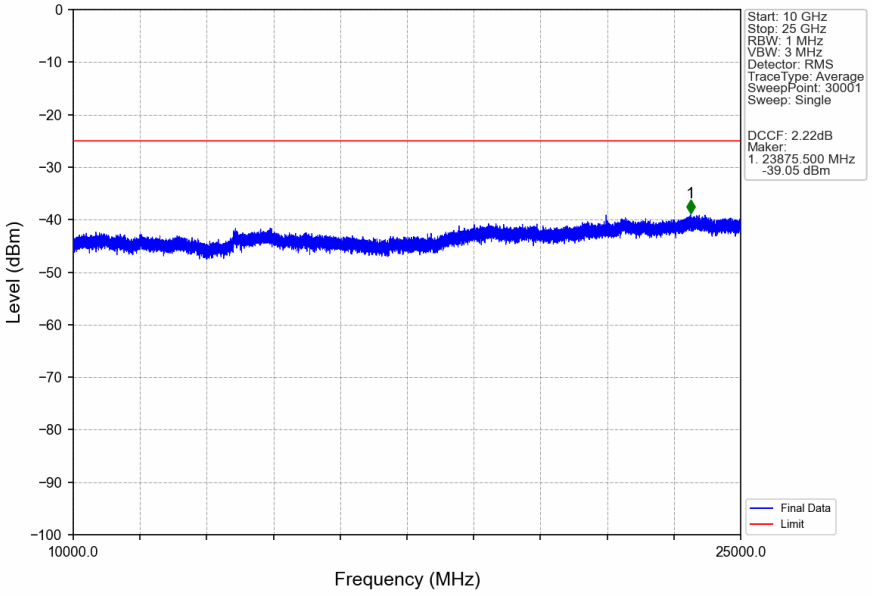
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



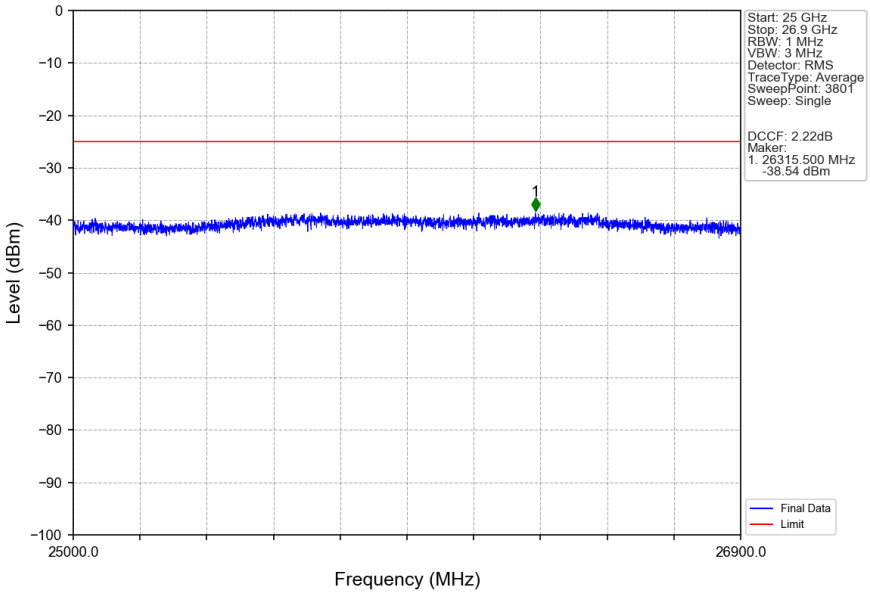
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



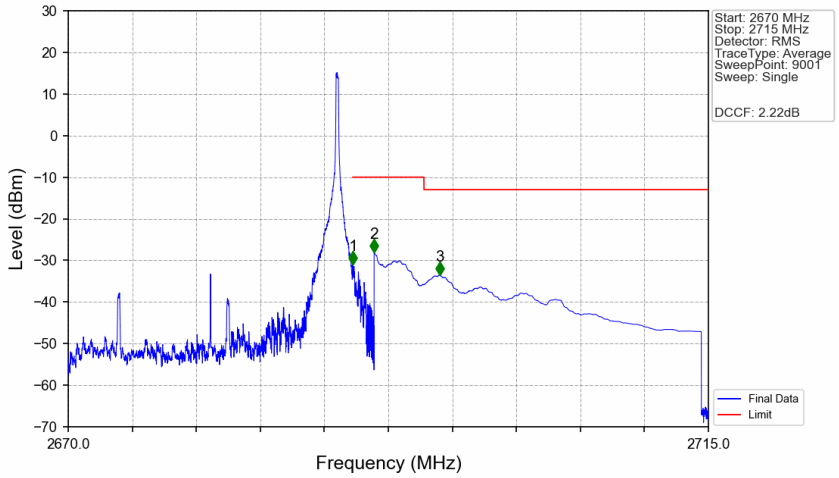
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV

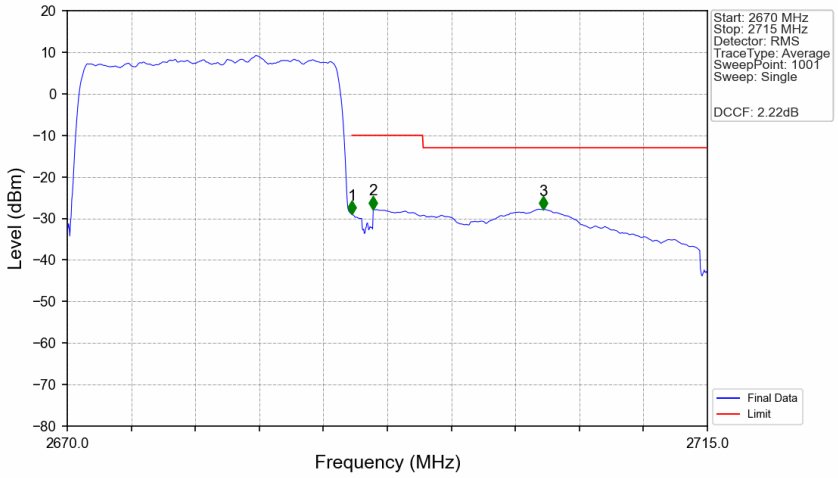


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.010	-30.92	-10	Pass
2691	2695	1	CHP	2	2691.500	-28.06	-10	Pass
2695	2715	1	CHP	3	2696.110	-33.52	-13	Pass

Band41_20MHz_QPSK_HCH_2680MHz_RB_100_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.574	CHP	/	/	/	/	/
2690	2691	0.574	CHP	1	2690.025	-29.01	-10	Pass
2691	2695	1	CHP	2	2691.510	-27.76	-10	Pass
2695	2715	1	CHP	3	2703.480	-27.77	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 41 ANT2-Low channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
4994.0	-62.64	-25	-37.64	-68.2	4.57	10.13	Horizontal	Pass
7491.0	-60.5	-25	-35.5	-67.29	4.94	11.73	Horizontal	Pass
9988.0	-47.17	-25	-22.17	-54.75	5.46	13.04	Horizontal	Pass
4994.0	-62.47	-25	-37.47	-68.03	4.57	10.13	Vertical	Pass
7491.0	-60.16	-25	-35.16	-66.95	4.94	11.73	Vertical	Pass
9988.0	-45.89	-25	-20.89	-53.47	5.46	13.04	Vertical	Pass

LTE Band 41 ANT2-Middle channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5168.0	-63.16	-25	-38.16	-68.78	4.62	10.24	Horizontal	Pass
7752.0	-58.96	-25	-33.96	-66.04	4.96	12.04	Horizontal	Pass
10336.0	-51.22	-25	-26.22	-58.8	5.51	13.09	Horizontal	Pass
5168.0	-63.19	-25	-38.19	-68.81	4.62	10.24	Vertical	Pass
7752.0	-58.46	-25	-33.46	-65.54	4.96	12.04	Vertical	Pass
10336.0	-52.75	-25	-27.75	-60.33	5.51	13.09	Vertical	Pass

LTE Band 41 ANT2-High channel, Modulation: QPSK, Bandwidth:20MHz, 1RB#0								
Frequency (MHz)	**EIRP (dBm)**	**Limit (dBm)**	**Over Limit (dB)**	**S.G. Power (dBm)**	**Cable Loss (dB)**	**Antenna Gain (dBi)**	**Polarization (H/V)**	**Result**
5342.0	-62.68	-25	-37.68	-68.35	4.68	10.35	Horizontal	Pass
8013.0	-58.96	-25	-33.96	-66.33	4.98	12.35	Horizontal	Pass
10684.0	-55.61	-25	-30.61	-63.16	5.63	13.18	Horizontal	Pass
5342.0	-62.95	-25	-37.95	-68.62	4.68	10.35	Vertical	Pass
8013.0	-59.08	-25	-34.08	-66.45	4.98	12.35	Vertical	Pass
10684.0	-56.13	-25	-31.13	-63.68	5.63	13.18	Vertical	Pass