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	23.77	1.20	24.97	<=33.01	Pass
			13	23.76	1.20	24.96	<=33.01	Pass
			24	23.81	1.20	25.01	<=33.01	Pass
		12	0	22.85	1.20	24.05	<=33.01	Pass
			6	22.84	1.20	24.04	<=33.01	Pass
			13	22.82	1.20	24.02	<=33.01	Pass
		25	0	22.84	1.20	24.04	<=33.01	Pass
	2593	1	0	23.32	1.20	24.52	<=33.01	Pass
			13	23.52	1.20	24.72	<=33.01	Pass
			24	23.32	1.20	24.52	<=33.01	Pass
		12	0	22.33	1.20	23.53	<=33.01	Pass
			6	22.45	1.20	23.65	<=33.01	Pass
			13	22.36	1.20	23.56	<=33.01	Pass
		25	0	22.48	1.20	23.68	<=33.01	Pass
	2687.5	1	0	23.40	1.20	24.60	<=33.01	Pass
			13	23.38	1.20	24.58	<=33.01	Pass
			24	23.43	1.20	24.63	<=33.01	Pass
		12	0	22.45	1.20	23.65	<=33.01	Pass
			6	22.49	1.20	23.69	<=33.01	Pass
			13	22.30	1.20	23.50	<=33.01	Pass
		25	0	22.44	1.20	23.64	<=33.01	Pass
16QAM	2498.5	1	0	22.87	1.20	24.07	<=33.01	Pass
			13	22.86	1.20	24.06	<=33.01	Pass
			24	22.89	1.20	24.09	<=33.01	Pass
		12	0	21.81	1.20	23.01	<=33.01	Pass
			6	21.80	1.20	23.00	<=33.01	Pass
			13	21.80	1.20	23.00	<=33.01	Pass
		25	0	21.87	1.20	23.07	<=33.01	Pass
	2593	1	0	22.65	1.20	23.85	<=33.01	Pass
			13	22.63	1.20	23.83	<=33.01	Pass
			24	22.62	1.20	23.82	<=33.01	Pass
		12	0	21.41	1.20	22.61	<=33.01	Pass
			6	21.45	1.20	22.65	<=33.01	Pass
			13	21.38	1.20	22.58	<=33.01	Pass
		25	0	21.58	1.20	22.78	<=33.01	Pass
	2687.5	1	0	22.49	1.20	23.69	<=33.01	Pass
			13	22.47	1.20	23.67	<=33.01	Pass
			24	22.52	1.20	23.72	<=33.01	Pass
		12	0	21.41	1.20	22.61	<=33.01	Pass
			6	21.44	1.20	22.64	<=33.01	Pass
			13	21.44	1.20	22.64	<=33.01	Pass
		25	0	21.51	1.20	22.71	<=33.01	Pass
64QAM	2498.5	1	0	21.54	1.20	22.74	<=33.01	Pass
			13	21.51	1.20	22.71	<=33.01	Pass
			24	21.54	1.20	22.74	<=33.01	Pass
		12	0	20.89	1.20	22.09	<=33.01	Pass
			6	20.88	1.20	22.08	<=33.01	Pass
			13	20.89	1.20	22.09	<=33.01	Pass
		25	0	20.89	1.20	22.09	<=33.01	Pass

	2593	1	0	21.24	1.20	22.44	<=33.01	Pass
			13	21.22	1.20	22.42	<=33.01	Pass
			24	21.21	1.20	22.41	<=33.01	Pass
		12	0	20.48	1.20	21.68	<=33.01	Pass
			6	20.46	1.20	21.66	<=33.01	Pass
			13	20.44	1.20	21.64	<=33.01	Pass
		25	0	20.57	1.20	21.77	<=33.01	Pass
	2687.5	1	0	21.10	1.20	22.30	<=33.01	Pass
			13	21.14	1.20	22.34	<=33.01	Pass
			24	21.16	1.20	22.36	<=33.01	Pass
		12	0	20.38	1.20	21.58	<=33.01	Pass
			6	20.53	1.20	21.73	<=33.01	Pass
			13	20.39	1.20	21.59	<=33.01	Pass
		25	0	20.54	1.20	21.74	<=33.01	Pass
256QAM	2498.5	1	0	18.68	1.20	19.88	<=33.01	Pass
			13	18.68	1.20	19.88	<=33.01	Pass
			24	18.70	1.20	19.90	<=33.01	Pass
		12	0	18.87	1.20	20.07	<=33.01	Pass
			6	18.92	1.20	20.12	<=33.01	Pass
			13	18.92	1.20	20.12	<=33.01	Pass
		25	0	18.88	1.20	20.08	<=33.01	Pass
	2593	1	0	18.42	1.20	19.62	<=33.01	Pass
			13	18.33	1.20	19.53	<=33.01	Pass
			24	18.37	1.20	19.57	<=33.01	Pass
		12	0	18.64	1.20	19.84	<=33.01	Pass
			6	18.62	1.20	19.82	<=33.01	Pass
			13	18.62	1.20	19.82	<=33.01	Pass
		25	0	18.56	1.20	19.76	<=33.01	Pass
	2687.5	1	0	18.29	1.20	19.49	<=33.01	Pass
			13	18.25	1.20	19.45	<=33.01	Pass
			24	18.23	1.20	19.43	<=33.01	Pass
		12	0	18.55	1.20	19.75	<=33.01	Pass
			6	18.56	1.20	19.76	<=33.01	Pass
			13	18.56	1.20	19.76	<=33.01	Pass
		25	0	18.52	1.20	19.72	<=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	23.40	1.20	24.60	<=33.01	Pass
			25	23.45	1.20	24.65	<=33.01	Pass
			49	23.50	1.20	24.70	<=33.01	Pass
		25	0	22.68	1.20	23.88	<=33.01	Pass
			13	22.72	1.20	23.92	<=33.01	Pass
			25	22.78	1.20	23.98	<=33.01	Pass
		50	0	22.71	1.20	23.91	<=33.01	Pass
	2593	1	0	23.14	1.20	24.34	<=33.01	Pass
			25	23.51	1.20	24.71	<=33.01	Pass
			49	23.53	1.20	24.73	<=33.01	Pass
		25	0	22.25	1.20	23.45	<=33.01	Pass
			13	22.32	1.20	23.52	<=33.01	Pass
			25	22.25	1.20	23.45	<=33.01	Pass
		50	0	22.40	1.20	23.60	<=33.01	Pass
	2685	1	0	23.35	1.20	24.55	<=33.01	Pass

			25	23.36	1.20	24.56	<=33.01	Pass
			49	23.44	1.20	24.64	<=33.01	Pass
		25	0	22.39	1.20	23.59	<=33.01	Pass
			13	22.40	1.20	23.60	<=33.01	Pass
			25	22.38	1.20	23.58	<=33.01	Pass
		50	0	22.36	1.20	23.56	<=33.01	Pass
16QAM	2501	1	0	23.02	1.20	24.22	<=33.01	Pass
			25	22.96	1.20	24.16	<=33.01	Pass
			49	22.91	1.20	24.11	<=33.01	Pass
		25	0	21.95	1.20	23.15	<=33.01	Pass
			13	21.90	1.20	23.10	<=33.01	Pass
			25	21.95	1.20	23.15	<=33.01	Pass
		50	0	21.93	1.20	23.13	<=33.01	Pass
	2593	1	0	22.67	1.20	23.87	<=33.01	Pass
			25	22.46	1.20	23.66	<=33.01	Pass
			49	22.60	1.20	23.80	<=33.01	Pass
		25	0	21.54	1.20	22.74	<=33.01	Pass
			13	21.53	1.20	22.73	<=33.01	Pass
			25	21.56	1.20	22.76	<=33.01	Pass
		50	0	21.42	1.20	22.62	<=33.01	Pass
	2685	1	0	22.47	1.20	23.67	<=33.01	Pass
			25	22.30	1.20	23.50	<=33.01	Pass
			49	22.36	1.20	23.56	<=33.01	Pass
		25	0	21.42	1.20	22.62	<=33.01	Pass
			13	21.42	1.20	22.62	<=33.01	Pass
			25	21.47	1.20	22.67	<=33.01	Pass
		50	0	21.33	1.20	22.53	<=33.01	Pass
64QAM	2501	1	0	21.62	1.20	22.82	<=33.01	Pass
			25	21.61	1.20	22.81	<=33.01	Pass
			49	21.62	1.20	22.82	<=33.01	Pass
		25	0	20.99	1.20	22.19	<=33.01	Pass
			13	20.94	1.20	22.14	<=33.01	Pass
			25	20.99	1.20	22.19	<=33.01	Pass
		50	0	20.94	1.20	22.14	<=33.01	Pass
	2593	1	0	21.25	1.20	22.45	<=33.01	Pass
			25	21.20	1.20	22.40	<=33.01	Pass
			49	21.21	1.20	22.41	<=33.01	Pass
		25	0	20.59	1.20	21.79	<=33.01	Pass
			13	20.59	1.20	21.79	<=33.01	Pass
			25	20.61	1.20	21.81	<=33.01	Pass
		50	0	20.25	1.20	21.45	<=33.01	Pass
	2685	1	0	21.05	1.20	22.25	<=33.01	Pass
			25	21.08	1.20	22.28	<=33.01	Pass
			49	21.16	1.20	22.36	<=33.01	Pass
		25	0	20.45	1.20	21.65	<=33.01	Pass
			13	20.46	1.20	21.66	<=33.01	Pass
			25	20.50	1.20	21.70	<=33.01	Pass
		50	0	20.31	1.20	21.51	<=33.01	Pass
256QAM	2501	1	0	18.84	1.20	20.04	<=33.01	Pass
			25	18.77	1.20	19.97	<=33.01	Pass
			49	18.84	1.20	20.04	<=33.01	Pass
		25	0	18.96	1.20	20.16	<=33.01	Pass
			13	18.93	1.20	20.13	<=33.01	Pass
			25	18.97	1.20	20.17	<=33.01	Pass
		50	0	18.99	1.20	20.19	<=33.01	Pass
	2593	1	0	18.42	1.20	19.62	<=33.01	Pass
			25	18.37	1.20	19.57	<=33.01	Pass
			49	18.42	1.20	19.62	<=33.01	Pass
		25	0	18.50	1.20	19.70	<=33.01	Pass

			13	18.55	1.20	19.75	<=33.01	Pass
			25	18.43	1.20	19.63	<=33.01	Pass
		50	0	18.45	1.20	19.65	<=33.01	Pass
	2685	1	0	18.25	1.20	19.45	<=33.01	Pass
			25	18.25	1.20	19.45	<=33.01	Pass
			49	18.29	1.20	19.49	<=33.01	Pass
		25	0	18.42	1.20	19.62	<=33.01	Pass
			13	18.45	1.20	19.65	<=33.01	Pass
			25	18.42	1.20	19.62	<=33.01	Pass
		50	0	18.51	1.20	19.71	<=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	23.90	1.20	25.10	<=33.01	Pass
			38	23.91	1.20	25.11	<=33.01	Pass
			74	23.90	1.20	25.10	<=33.01	Pass
		36	0	22.89	1.20	24.09	<=33.01	Pass
			18	22.94	1.20	24.14	<=33.01	Pass
			39	22.91	1.20	24.11	<=33.01	Pass
		75	0	22.94	1.20	24.14	<=33.01	Pass
	2593	1	0	23.58	1.20	24.78	<=33.01	Pass
			38	23.56	1.20	24.76	<=33.01	Pass
			74	23.48	1.20	24.68	<=33.01	Pass
		36	0	22.49	1.20	23.69	<=33.01	Pass
			18	22.47	1.20	23.67	<=33.01	Pass
			39	22.49	1.20	23.69	<=33.01	Pass
		75	0	22.30	1.20	23.50	<=33.01	Pass
	2682.5	1	0	23.28	1.20	24.48	<=33.01	Pass
			38	23.36	1.20	24.56	<=33.01	Pass
			74	23.42	1.20	24.62	<=33.01	Pass
		36	0	22.32	1.20	23.52	<=33.01	Pass
			18	22.37	1.20	23.57	<=33.01	Pass
			39	22.38	1.20	23.58	<=33.01	Pass
		75	0	22.39	1.20	23.59	<=33.01	Pass
16QAM	2503.5	1	0	23.00	1.20	24.20	<=33.01	Pass
			38	23.01	1.20	24.21	<=33.01	Pass
			74	22.98	1.20	24.18	<=33.01	Pass
		36	0	21.88	1.20	23.08	<=33.01	Pass
			18	21.91	1.20	23.11	<=33.01	Pass
			39	21.89	1.20	23.09	<=33.01	Pass
		75	0	21.94	1.20	23.14	<=33.01	Pass
	2593	1	0	22.55	1.20	23.75	<=33.01	Pass
			38	22.65	1.20	23.85	<=33.01	Pass
			74	22.37	1.20	23.57	<=33.01	Pass
		36	0	21.47	1.20	22.67	<=33.01	Pass
			18	21.38	1.20	22.58	<=33.01	Pass
			39	21.46	1.20	22.66	<=33.01	Pass
		75	0	21.39	1.20	22.59	<=33.01	Pass
	2682.5	1	0	22.38	1.20	23.58	<=33.01	Pass
			38	22.27	1.20	23.47	<=33.01	Pass
			74	22.36	1.20	23.56	<=33.01	Pass
		36	0	21.30	1.20	22.50	<=33.01	Pass
			18	21.35	1.20	22.55	<=33.01	Pass

			39	21.36	1.20	22.56	<=33.01	Pass
		75	0	21.19	1.20	22.39	<=33.01	Pass
64QAM	2503.5	1	0	21.59	1.20	22.79	<=33.01	Pass
			38	21.60	1.20	22.80	<=33.01	Pass
			74	21.61	1.20	22.81	<=33.01	Pass
		36	0	20.95	1.20	22.15	<=33.01	Pass
			18	20.97	1.20	22.17	<=33.01	Pass
			39	20.92	1.20	22.12	<=33.01	Pass
		75	0	20.98	1.20	22.18	<=33.01	Pass
	2593	1	0	21.28	1.20	22.48	<=33.01	Pass
			38	21.27	1.20	22.47	<=33.01	Pass
			74	21.16	1.20	22.36	<=33.01	Pass
		36	0	20.55	1.20	21.75	<=33.01	Pass
			18	20.56	1.20	21.76	<=33.01	Pass
			39	20.52	1.20	21.72	<=33.01	Pass
		75	0	20.50	1.20	21.70	<=33.01	Pass
	2682.5	1	0	20.98	1.20	22.18	<=33.01	Pass
			38	21.06	1.20	22.26	<=33.01	Pass
			74	21.11	1.20	22.31	<=33.01	Pass
		36	0	20.37	1.20	21.57	<=33.01	Pass
			18	20.40	1.20	21.60	<=33.01	Pass
			39	20.39	1.20	21.59	<=33.01	Pass
		75	0	19.84	1.20	21.04	<=33.01	Pass
256QAM	2503.5	1	0	18.81	1.20	20.01	<=33.01	Pass
			38	18.84	1.20	20.04	<=33.01	Pass
			74	18.80	1.20	20.00	<=33.01	Pass
		36	0	18.97	1.20	20.17	<=33.01	Pass
			18	19.00	1.20	20.20	<=33.01	Pass
			39	18.93	1.20	20.13	<=33.01	Pass
		75	0	18.71	1.20	19.91	<=33.01	Pass
	2593	1	0	18.46	1.20	19.66	<=33.01	Pass
			38	18.47	1.20	19.67	<=33.01	Pass
			74	18.37	1.20	19.57	<=33.01	Pass
		36	0	18.60	1.20	19.80	<=33.01	Pass
			18	18.62	1.20	19.82	<=33.01	Pass
			39	18.59	1.20	19.79	<=33.01	Pass
		75	0	18.53	1.20	19.73	<=33.01	Pass
	2682.5	1	0	18.17	1.20	19.37	<=33.01	Pass
			38	18.23	1.20	19.43	<=33.01	Pass
			74	18.34	1.20	19.54	<=33.01	Pass
		36	0	18.39	1.20	19.59	<=33.01	Pass
			18	18.45	1.20	19.65	<=33.01	Pass
			39	18.47	1.20	19.67	<=33.01	Pass
		75	0	18.44	1.20	19.64	<=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	23.86	1.20	25.06	<=33.01	Pass
			50	23.89	1.20	25.09	<=33.01	Pass
			99	23.87	1.20	25.07	<=33.01	Pass
		50	0	22.91	1.20	24.11	<=33.01	Pass
			25	22.93	1.20	24.13	<=33.01	Pass
			50	22.94	1.20	24.14	<=33.01	Pass

		100	0	22.95	1.20	24.15	<=33.01	Pass
	2593	1	0	23.60	1.20	24.80	<=33.01	Pass
			50	23.50	1.20	24.70	<=33.01	Pass
			99	23.43	1.20	24.63	<=33.01	Pass
		50	0	22.35	1.20	23.55	<=33.01	Pass
			25	22.28	1.20	23.48	<=33.01	Pass
			50	22.42	1.20	23.62	<=33.01	Pass
		100	0	22.33	1.20	23.53	<=33.01	Pass
	2680	1	0	23.19	1.20	24.39	<=33.01	Pass
			50	23.30	1.20	24.50	<=33.01	Pass
			99	23.38	1.20	24.58	<=33.01	Pass
		50	0	22.32	1.20	23.52	<=33.01	Pass
			25	22.36	1.20	23.56	<=33.01	Pass
			50	22.39	1.20	23.59	<=33.01	Pass
		100	0	22.34	1.20	23.54	<=33.01	Pass
16QAM	2506	1	0	23.00	1.20	24.20	<=33.01	Pass
			50	22.97	1.20	24.17	<=33.01	Pass
			99	23.02	1.20	24.22	<=33.01	Pass
		50	0	21.95	1.20	23.15	<=33.01	Pass
			25	21.97	1.20	23.17	<=33.01	Pass
			50	21.98	1.20	23.18	<=33.01	Pass
		100	0	21.98	1.20	23.18	<=33.01	Pass
	2593	1	0	22.73	1.20	23.93	<=33.01	Pass
			50	22.61	1.20	23.81	<=33.01	Pass
			99	22.56	1.20	23.76	<=33.01	Pass
		50	0	21.62	1.20	22.82	<=33.01	Pass
			25	21.61	1.20	22.81	<=33.01	Pass
			50	21.51	1.20	22.71	<=33.01	Pass
		100	0	21.42	1.20	22.62	<=33.01	Pass
	2680	1	0	22.37	1.20	23.57	<=33.01	Pass
			50	22.42	1.20	23.62	<=33.01	Pass
			99	22.52	1.20	23.72	<=33.01	Pass
		50	0	21.37	1.20	22.57	<=33.01	Pass
			25	21.24	1.20	22.44	<=33.01	Pass
			50	21.29	1.20	22.49	<=33.01	Pass
		100	0	21.38	1.20	22.58	<=33.01	Pass
64QAM	2506	1	0	21.57	1.20	22.77	<=33.01	Pass
			50	21.61	1.20	22.81	<=33.01	Pass
			99	21.59	1.20	22.79	<=33.01	Pass
		50	0	20.96	1.20	22.16	<=33.01	Pass
			25	21.00	1.20	22.20	<=33.01	Pass
			50	21.00	1.20	22.20	<=33.01	Pass
		100	0	21.01	1.20	22.21	<=33.01	Pass
	2593	1	0	21.32	1.20	22.52	<=33.01	Pass
			50	21.27	1.20	22.47	<=33.01	Pass
			99	21.14	1.20	22.34	<=33.01	Pass
		50	0	20.51	1.20	21.71	<=33.01	Pass
			25	20.51	1.20	21.71	<=33.01	Pass
			50	20.38	1.20	21.58	<=33.01	Pass
		100	0	20.48	1.20	21.68	<=33.01	Pass
	2680	1	0	20.96	1.20	22.16	<=33.01	Pass
			50	21.01	1.20	22.21	<=33.01	Pass
			99	21.09	1.20	22.29	<=33.01	Pass
		50	0	20.39	1.20	21.59	<=33.01	Pass
			25	20.21	1.20	21.41	<=33.01	Pass
			50	20.34	1.20	21.54	<=33.01	Pass
		100	0	20.33	1.20	21.53	<=33.01	Pass
256QAM	2506	1	0	18.81	1.20	20.01	<=33.01	Pass
			50	18.86	1.20	20.06	<=33.01	Pass

			99	18.78	1.20	19.98	<=33.01	Pass
		50	0	19.01	1.20	20.21	<=33.01	Pass
			25	19.04	1.20	20.24	<=33.01	Pass
			50	19.05	1.20	20.25	<=33.01	Pass
		100	0	19.00	1.20	20.20	<=33.01	Pass
	2593	1	0	18.50	1.20	19.70	<=33.01	Pass
			50	18.35	1.20	19.55	<=33.01	Pass
			99	18.20	1.20	19.40	<=33.01	Pass
		50	0	18.68	1.20	19.88	<=33.01	Pass
			25	18.62	1.20	19.82	<=33.01	Pass
			50	18.58	1.20	19.78	<=33.01	Pass
		100	0	18.53	1.20	19.73	<=33.01	Pass
	2680	1	0	18.13	1.20	19.33	<=33.01	Pass
			50	18.23	1.20	19.43	<=33.01	Pass
			99	18.24	1.20	19.44	<=33.01	Pass
		50	0	18.42	1.20	19.62	<=33.01	Pass
			25	18.40	1.20	19.60	<=33.01	Pass
			50	18.44	1.20	19.64	<=33.01	Pass
		100	0	18.40	1.20	19.60	<=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 (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2593	50	0	20	3.27	-4.400	-0.0017	-2.5 to 2.5	Pass
					3.85	-5.400	-0.0021	-2.5 to 2.5	Pass
					4.43	-1.300	-0.0005	-2.5 to 2.5	Pass
				-30	3.85	-4.400	-0.0017	-2.5 to 2.5	Pass
				-20	3.85	-0.200	-0.0001	-2.5 to 2.5	Pass
				-10	3.85	-0.900	-0.0003	-2.5 to 2.5	Pass
				0	3.85	-0.400	-0.0002	-2.5 to 2.5	Pass
				10	3.85	-0.800	-0.0003	-2.5 to 2.5	Pass
				30	3.85	-3.700	-0.0014	-2.5 to 2.5	Pass
				40	3.85	0.400	0.0002	-2.5 to 2.5	Pass
				50	3.85	-0.800	-0.0003	-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	4.536	/	Pass
	16QAM	2593	25	0	4.556	/	Pass
10	QPSK	2593	50	0	9.097	/	Pass
	16QAM	2593	50	0	9.049	/	Pass
15	QPSK	2593	75	0	13.723	/	Pass
	16QAM	2593	75	0	13.600	/	Pass
20	QPSK	2593	100	0	18.175	/	Pass
	16QAM	2593	100	0	18.186	/	Pass

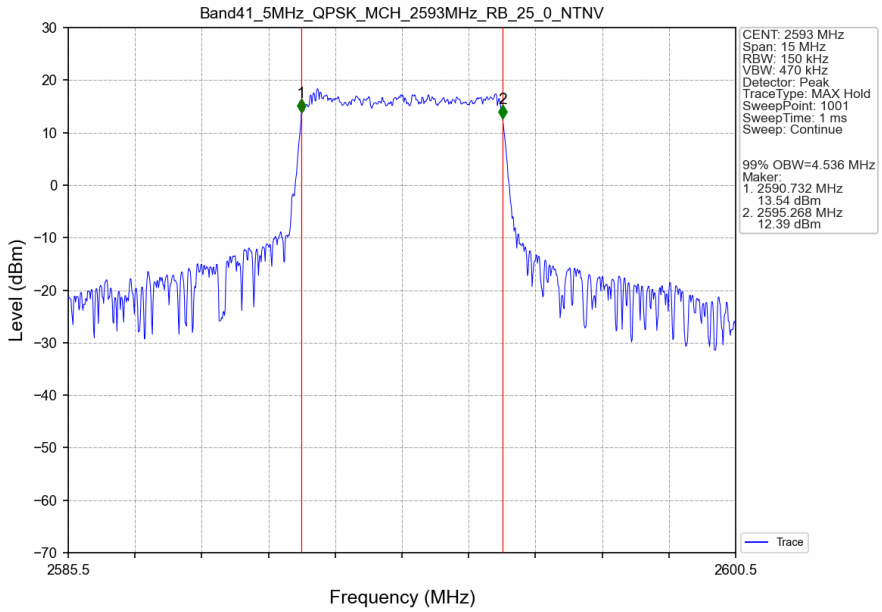
3.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	5.022	/	Pass
	16QAM	2593	25	0	5.197	/	Pass
10	QPSK	2593	50	0	11.153	/	Pass
	16QAM	2593	50	0	10.894	/	Pass
15	QPSK	2593	75	0	20.390	/	Pass
	16QAM	2593	75	0	17.047	/	Pass
20	QPSK	2593	100	0	26.115	/	Pass
	16QAM	2593	100	0	23.905	/	Pass

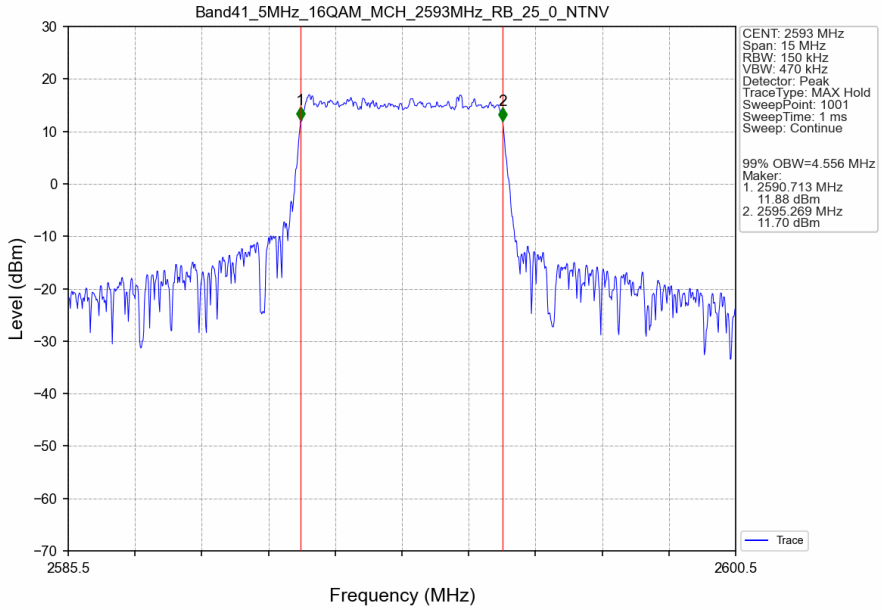
3.2 Test Graph

3.2.1 Band41_OBW

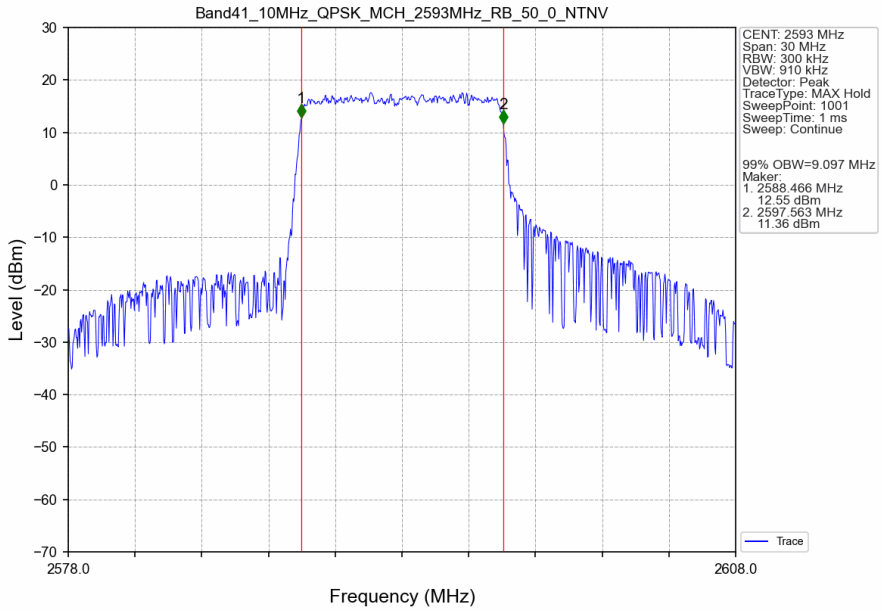
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



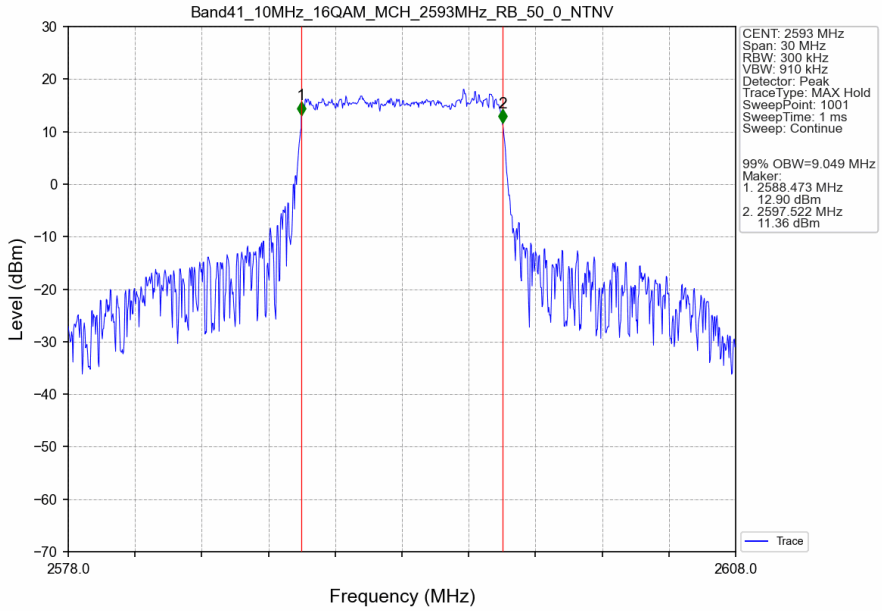
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



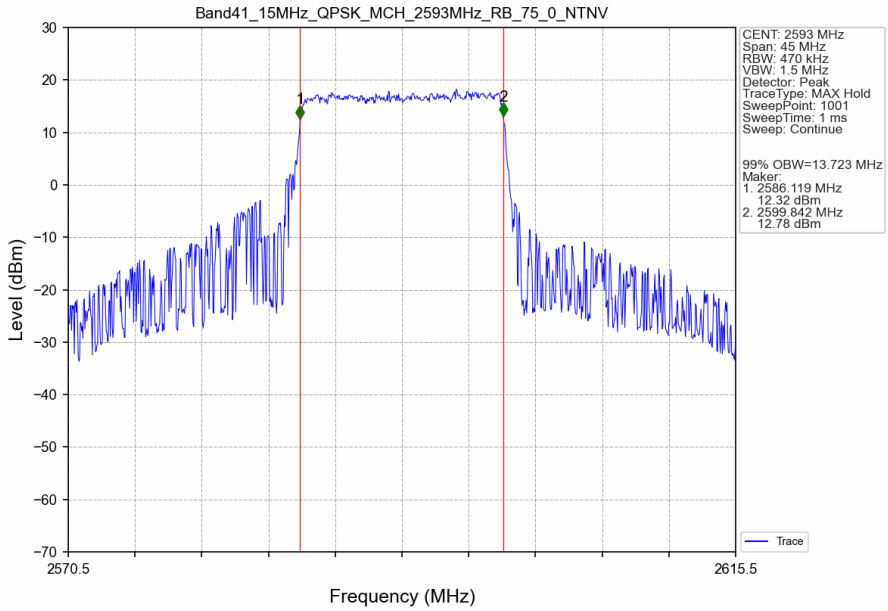
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



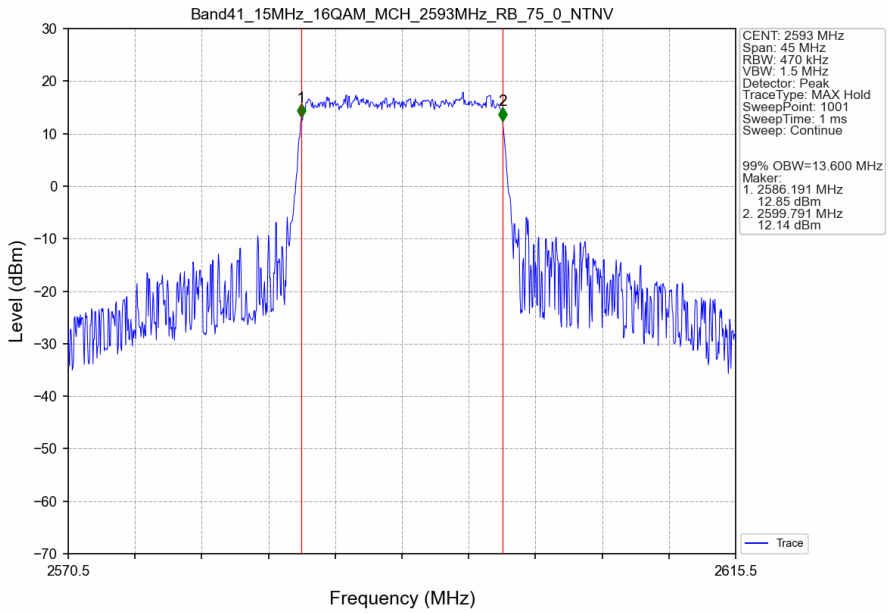
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



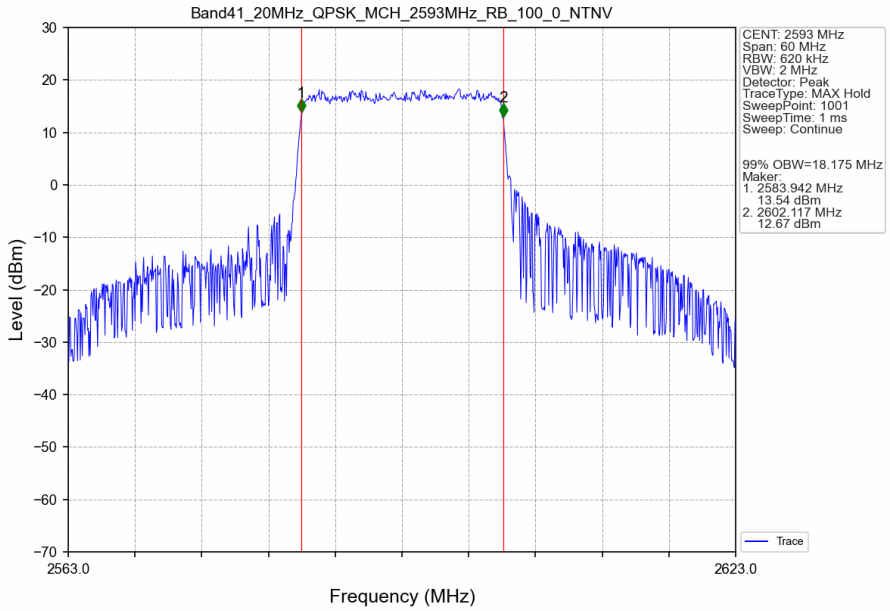
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



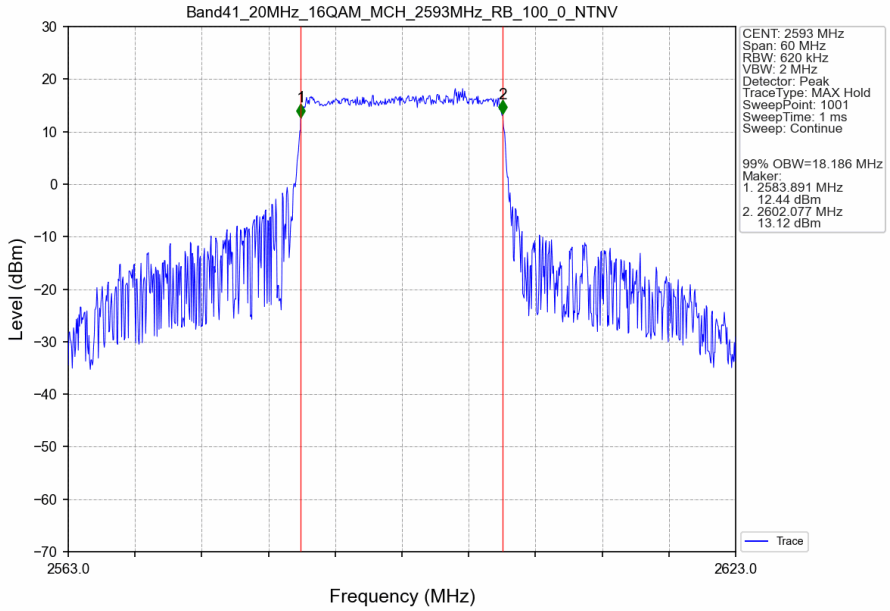
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



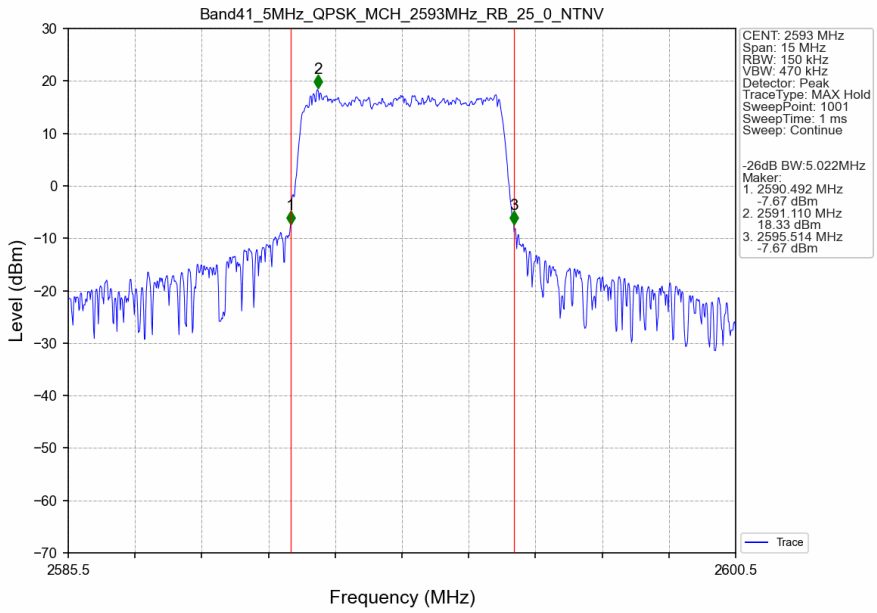
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV

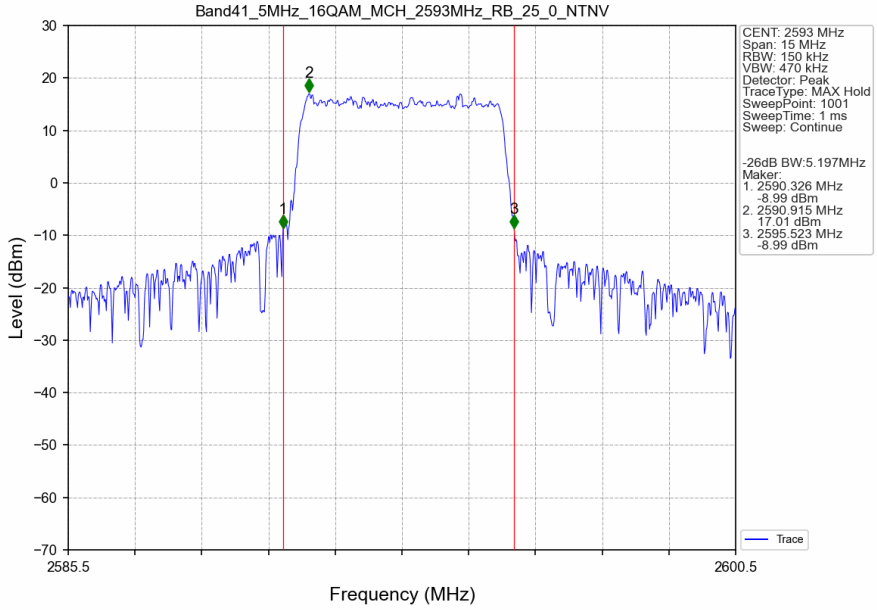


Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV

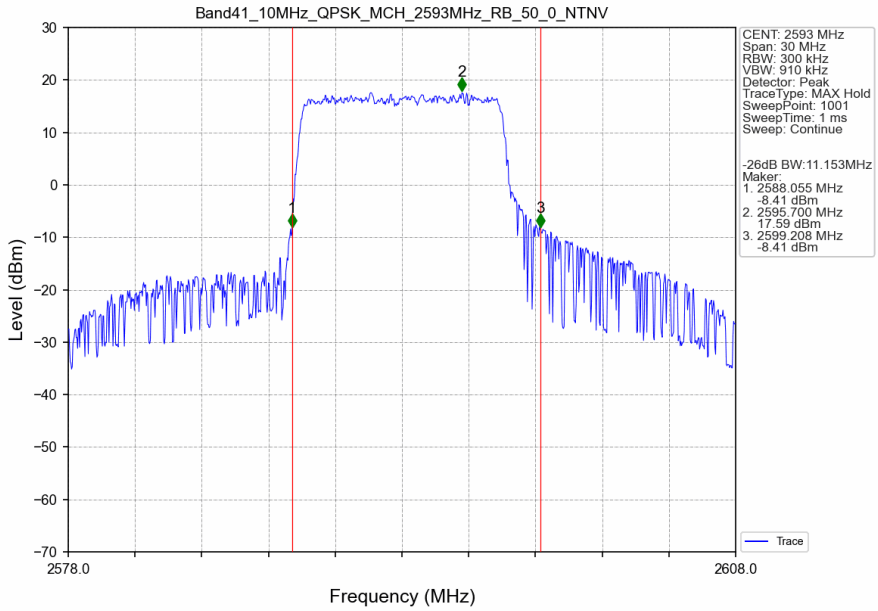


3.2.2 Band41_XDB

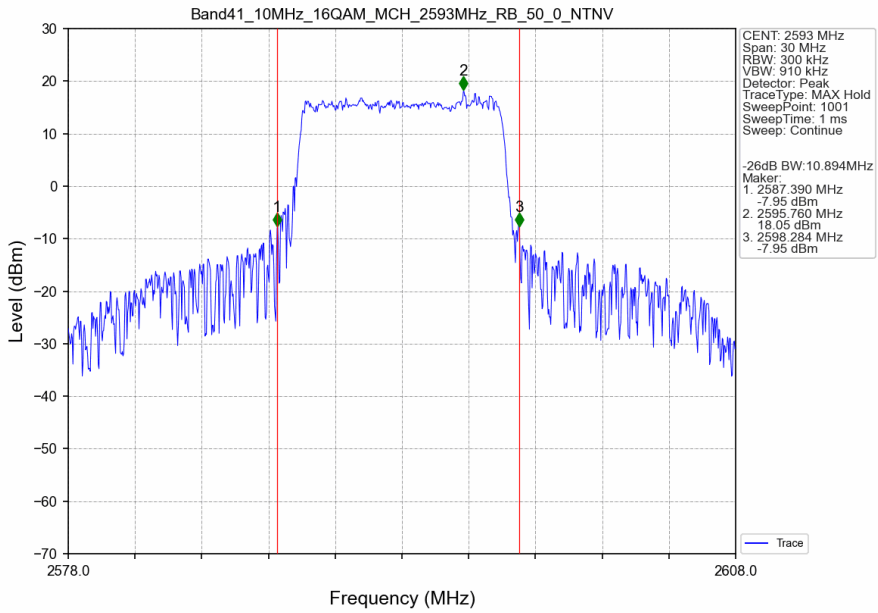
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV


Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV


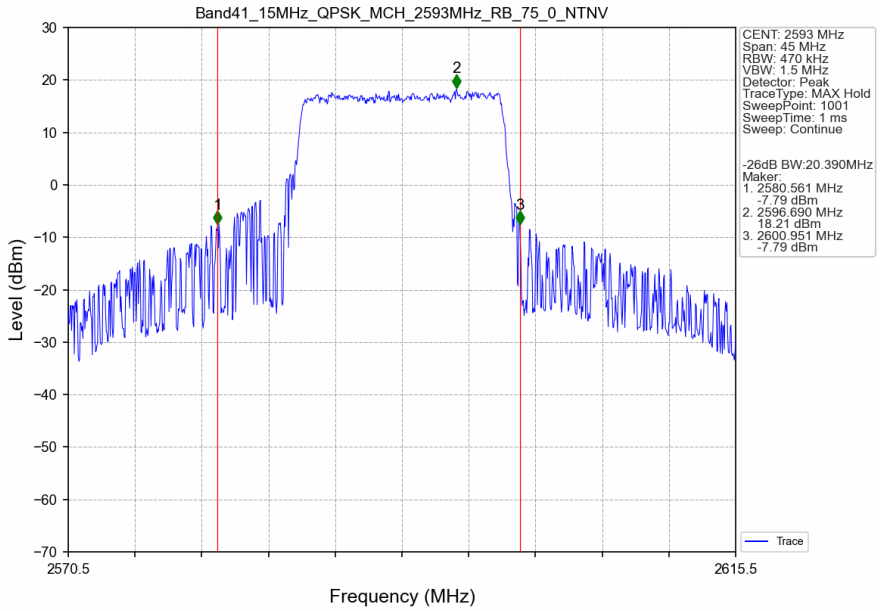
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



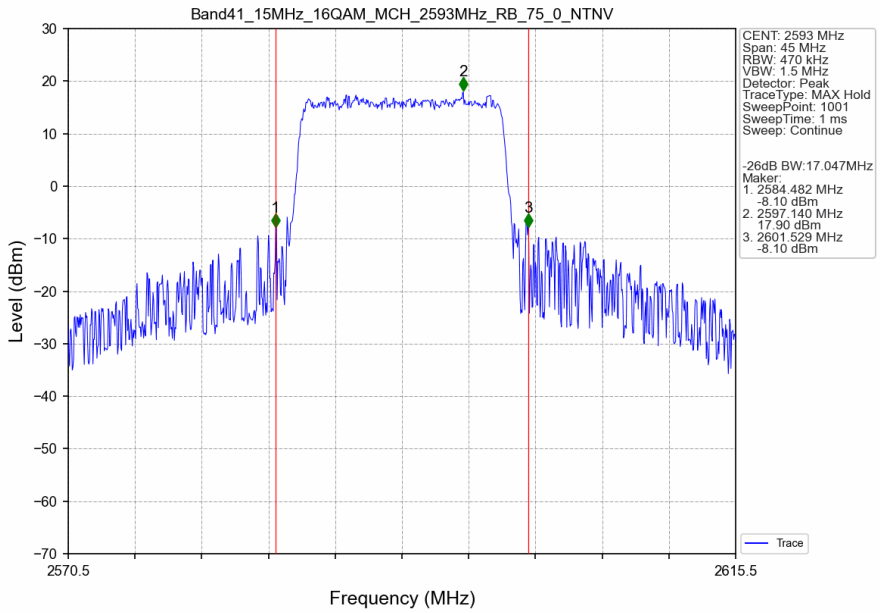
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



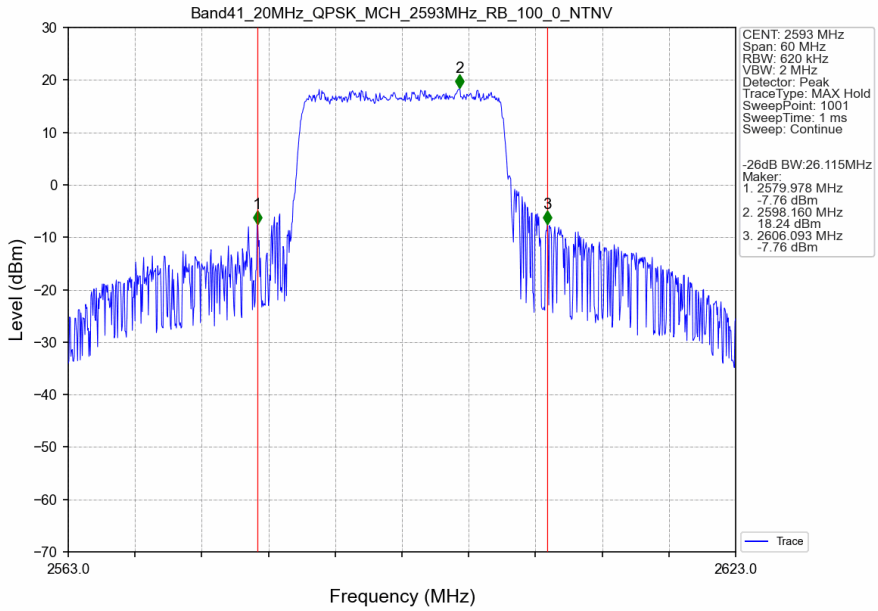
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



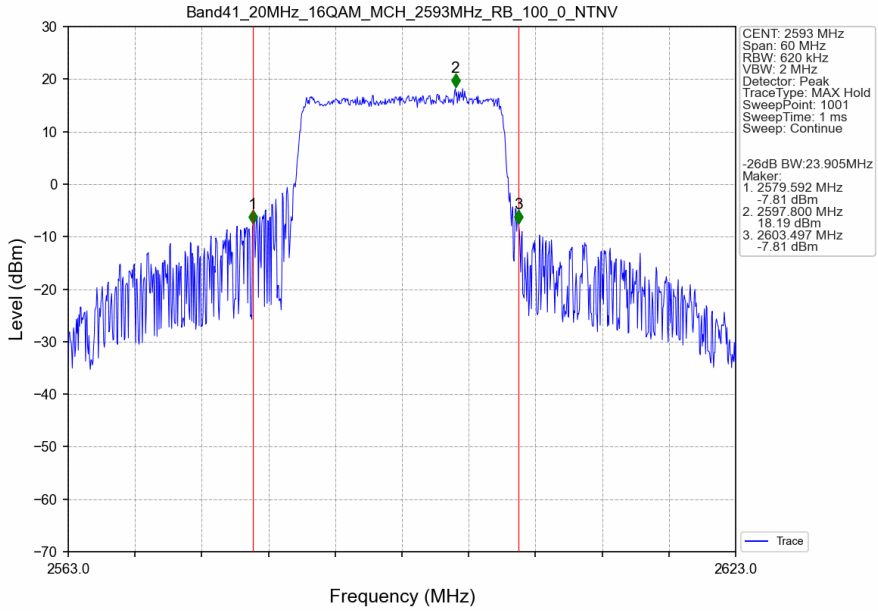
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



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

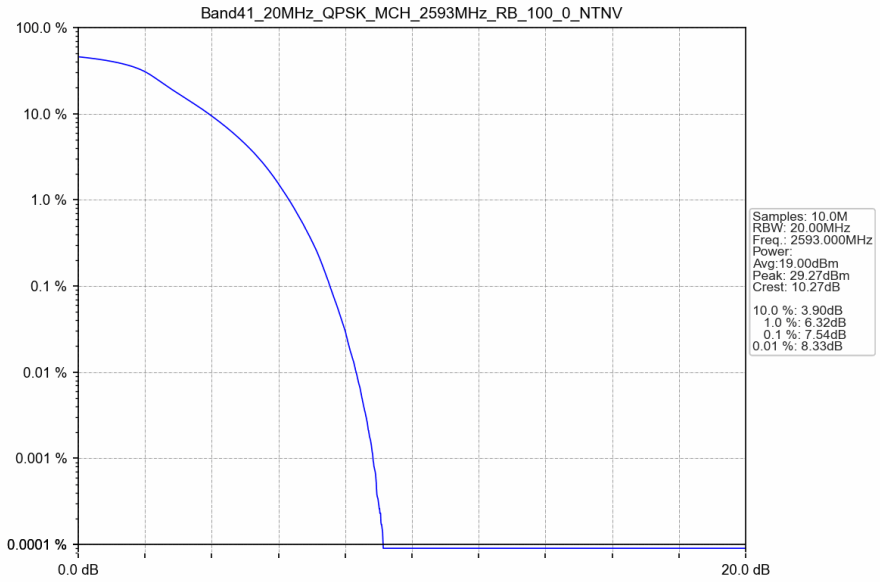
4.1.1 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	7.54	<=13	Pass
16QAM	2593	100	0	8.37	<=13	Pass
64QAM	2593	100	0	8.71	<=13	Pass
256QAM	2593	100	0	8.72	<=13	Pass

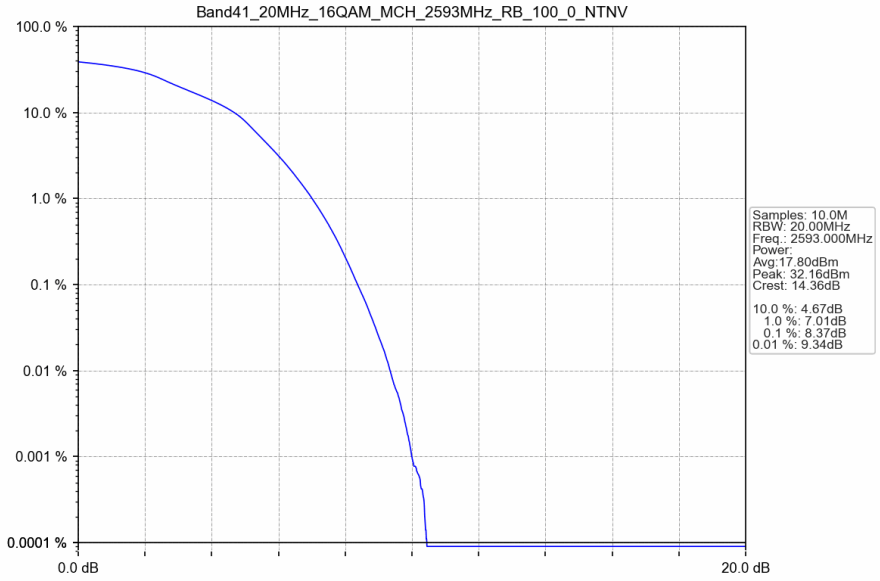
4.2 Test Graph

4.2.1 B41_20MHz

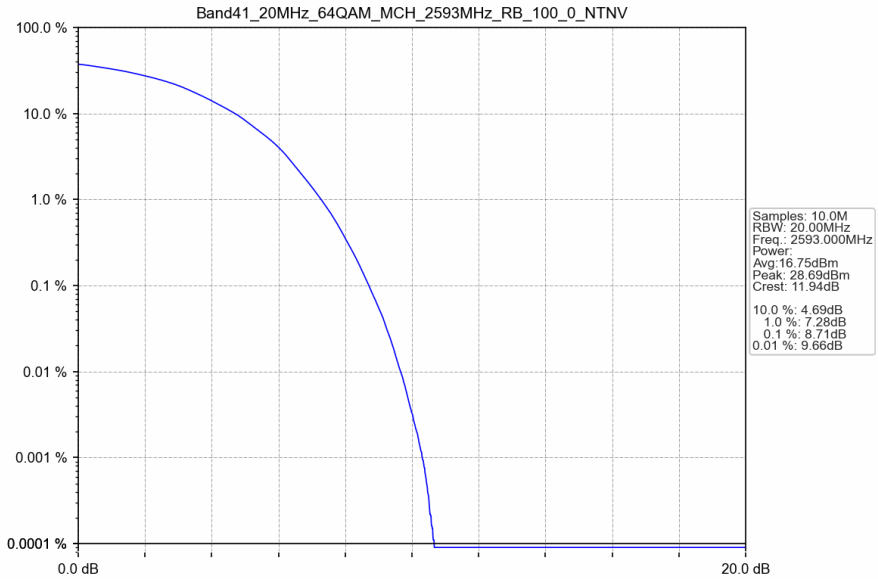
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



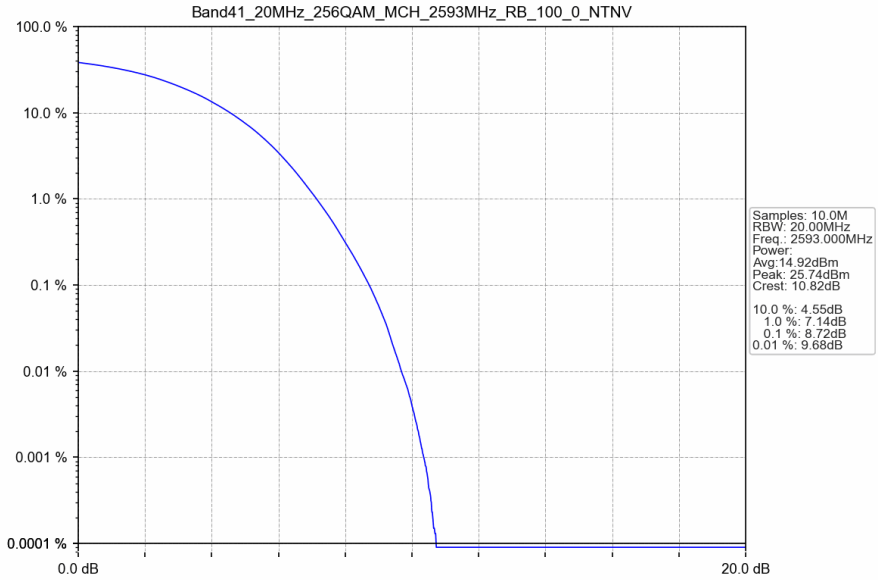
Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



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

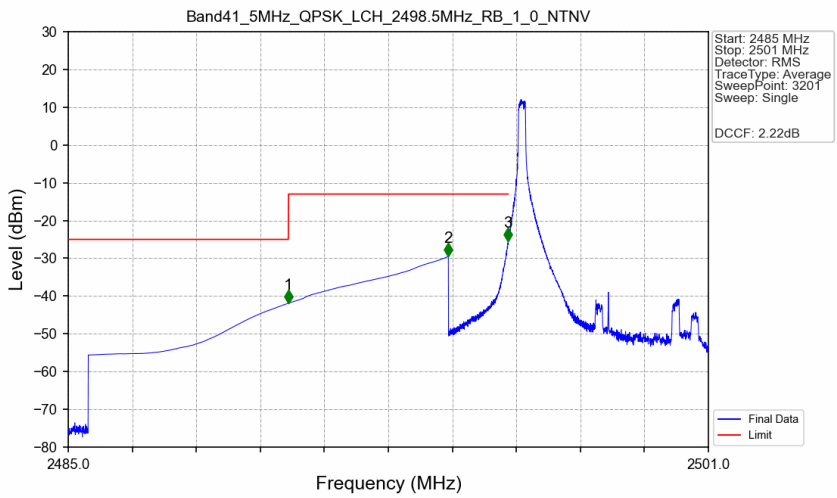
5.1.4 B41_20MHz

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

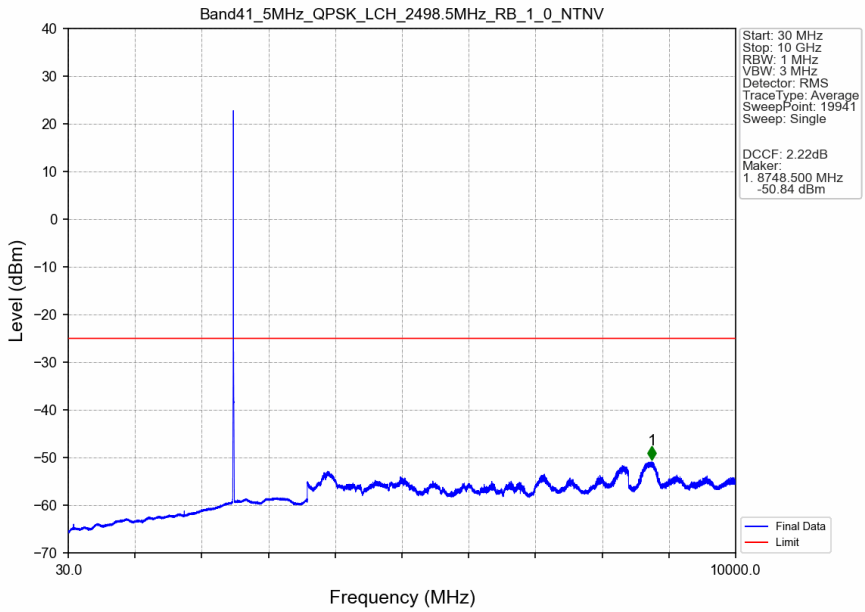
5.2.1 B41_5MHz

Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

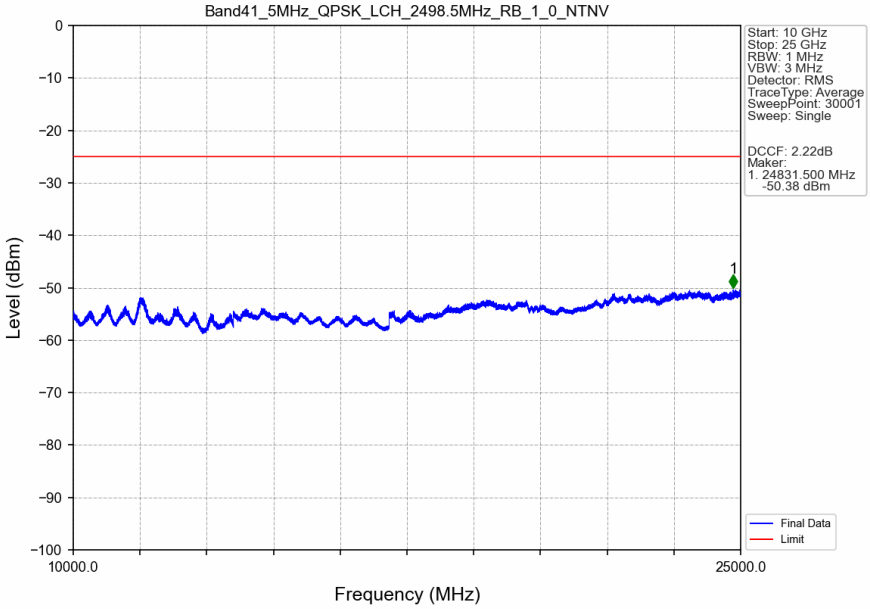


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-41.92	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-29.50	-13	Pass
2495	2496	0.01	/	3	2495.995	-25.42	-13	Pass
2496	2501	0.01	/	/	/	/	/	/

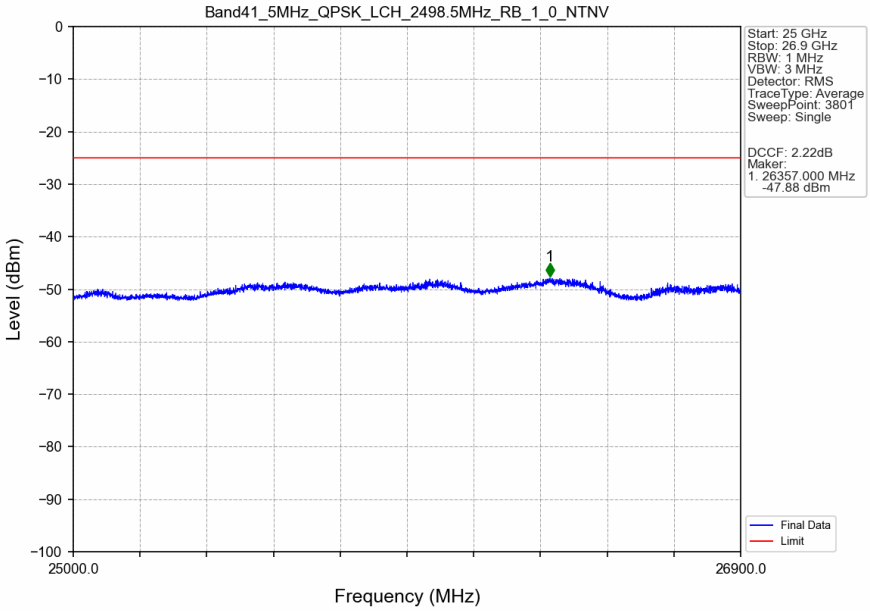
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



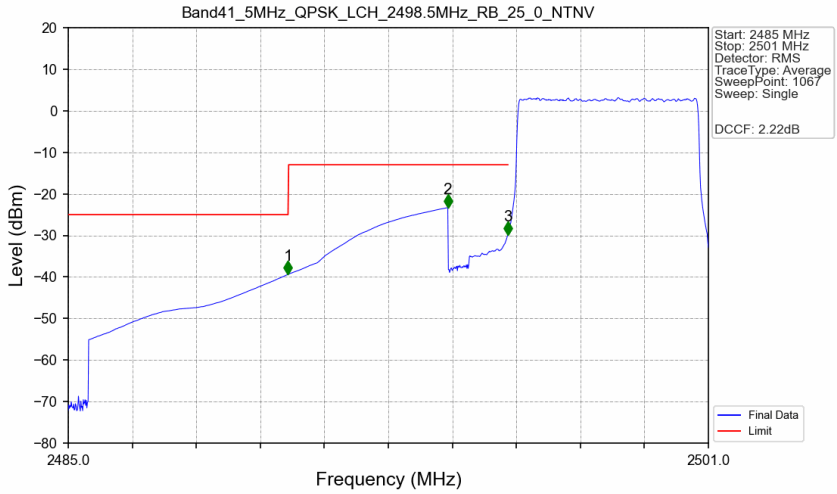
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

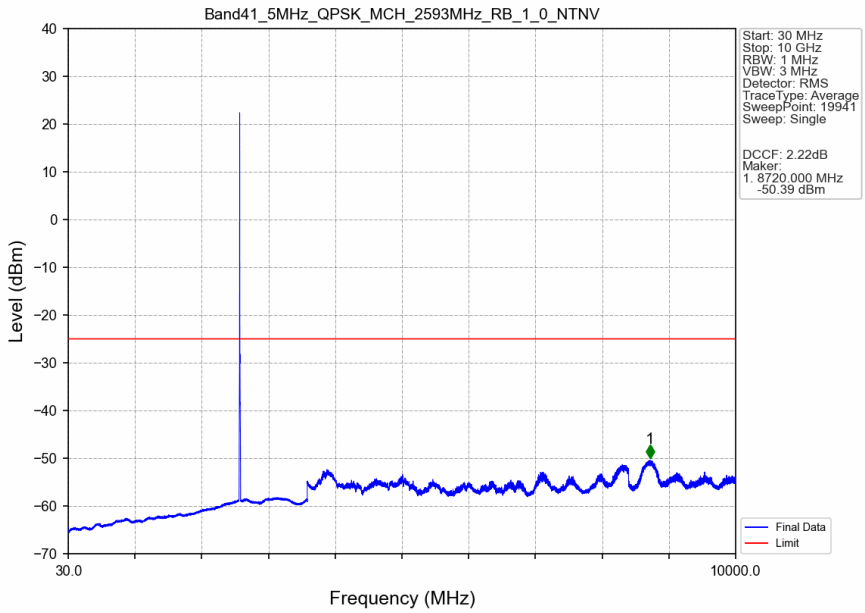


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

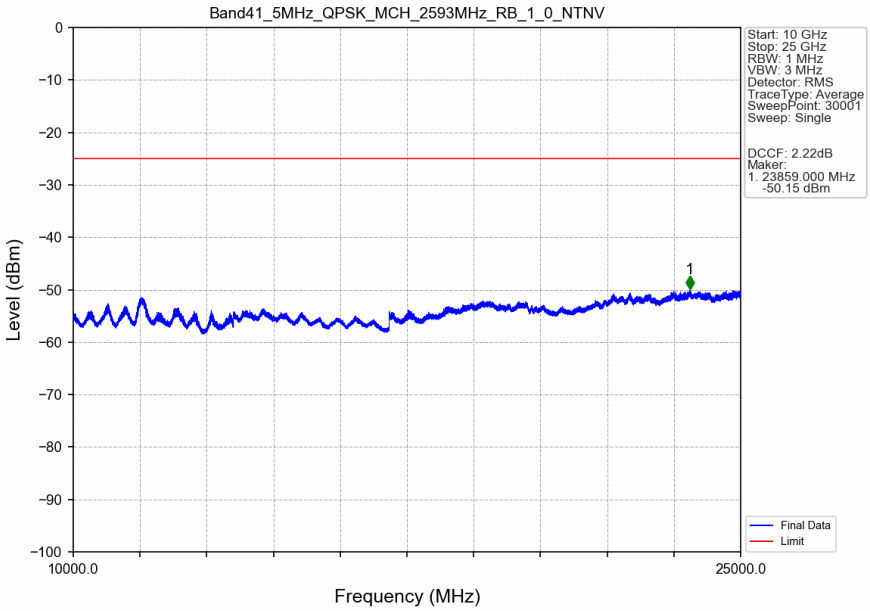


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-39.39	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-23.32	-13	Pass
2495	2496	0.05	CHP	3	2495.987	-29.87	-13	Pass
2496	2501	0.05	CHP	/	/	/	/	/

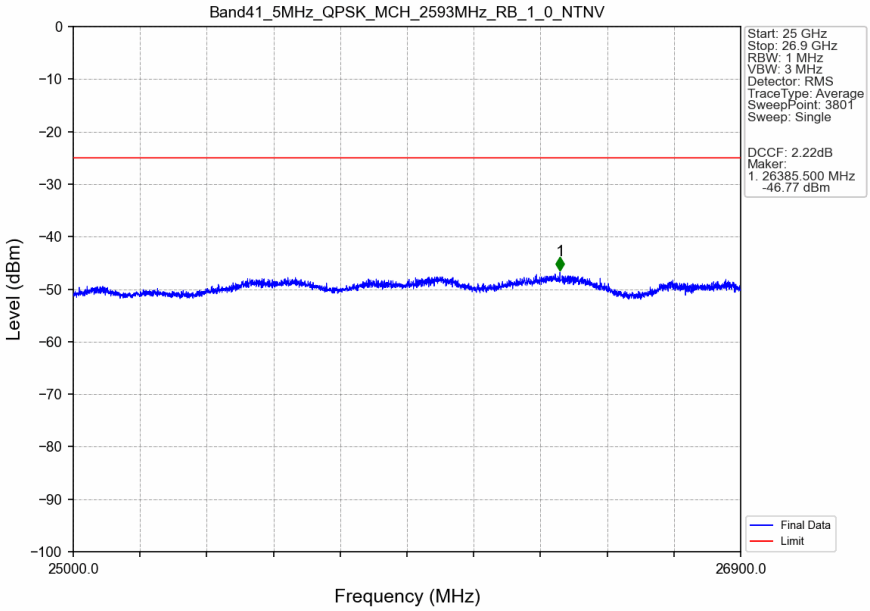
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



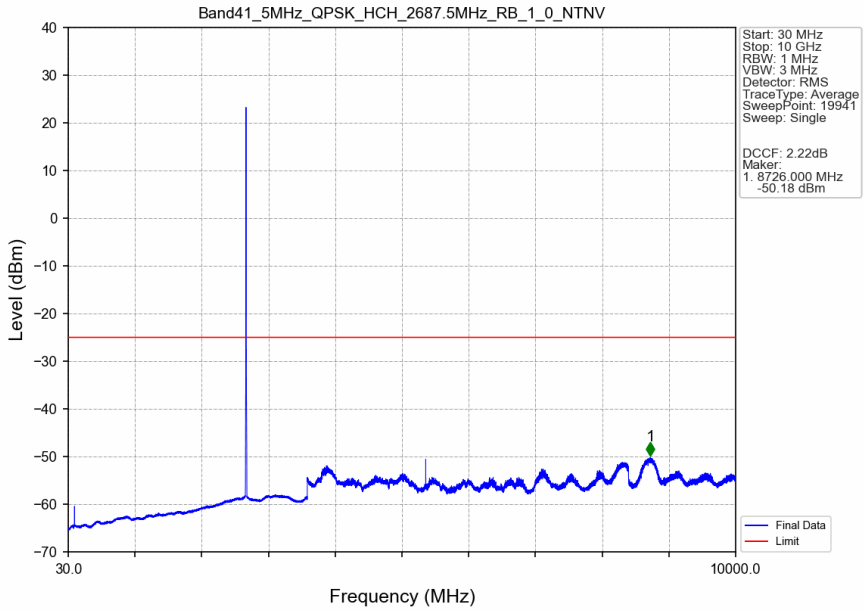
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



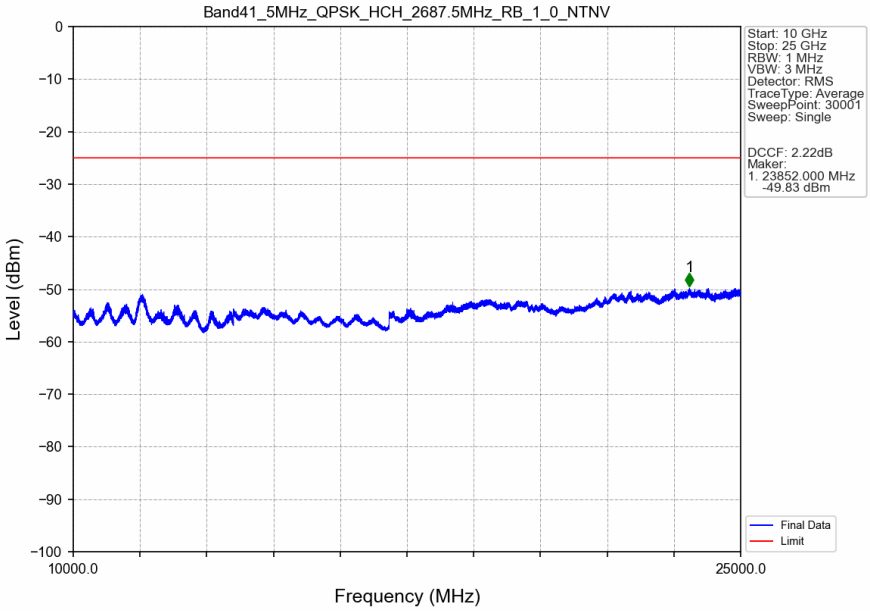
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



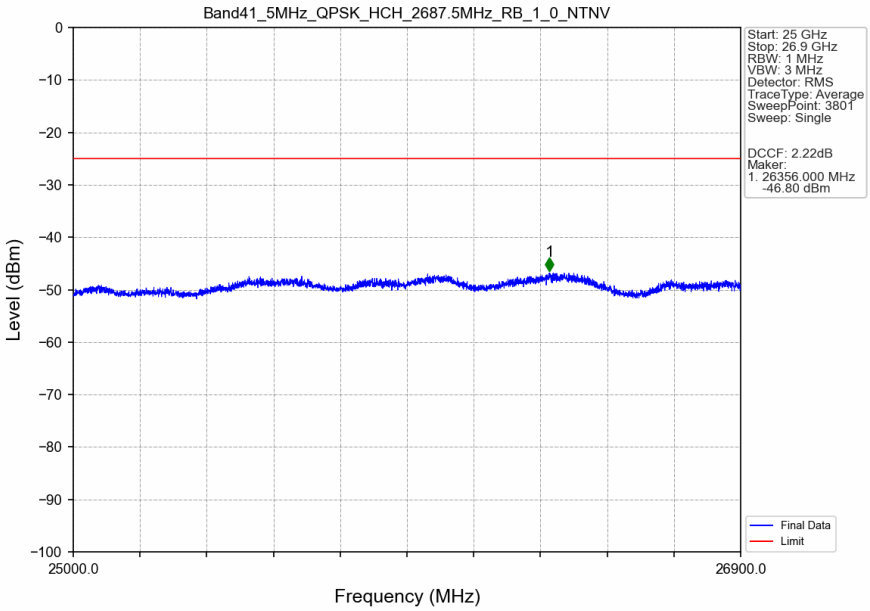
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



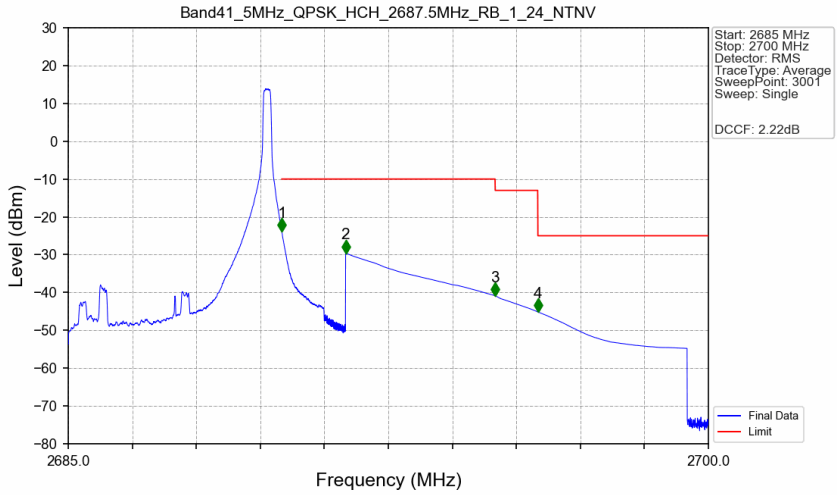
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV

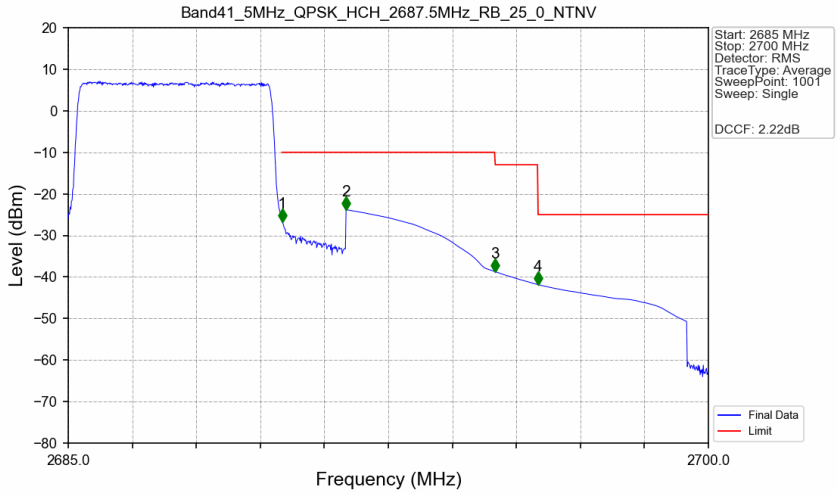


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



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	-23.91	-10	Pass
2691	2695	1	CHP	2	2691.500	-29.55	-10	Pass
2695	2696	1	CHP	3	2695.005	-40.89	-13	Pass
2696	2700	1	CHP	4	2696.005	-45.14	-25	Pass

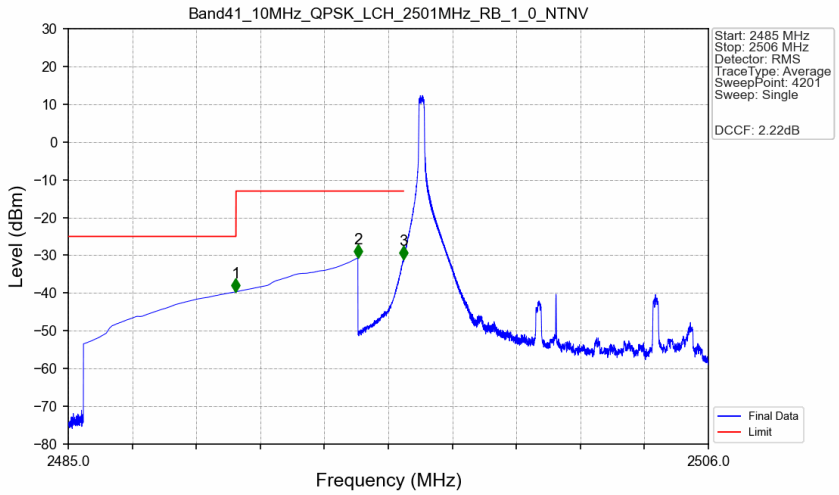
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.1	/	/	/	/	/	/
2690	2691	0.1	/	1	2690.010	-26.71	-10	Pass
2691	2695	1	CHP	2	2691.510	-23.80	-10	Pass
2695	2696	1	CHP	3	2695.005	-38.72	-13	Pass
2696	2700	1	CHP	4	2696.010	-41.86	-25	Pass

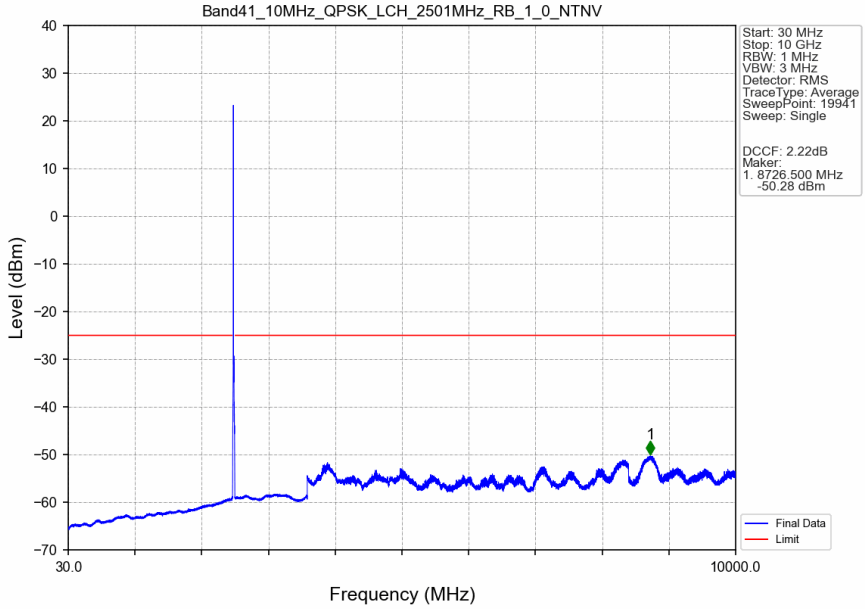
5.2.2 B41_10MHz

Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

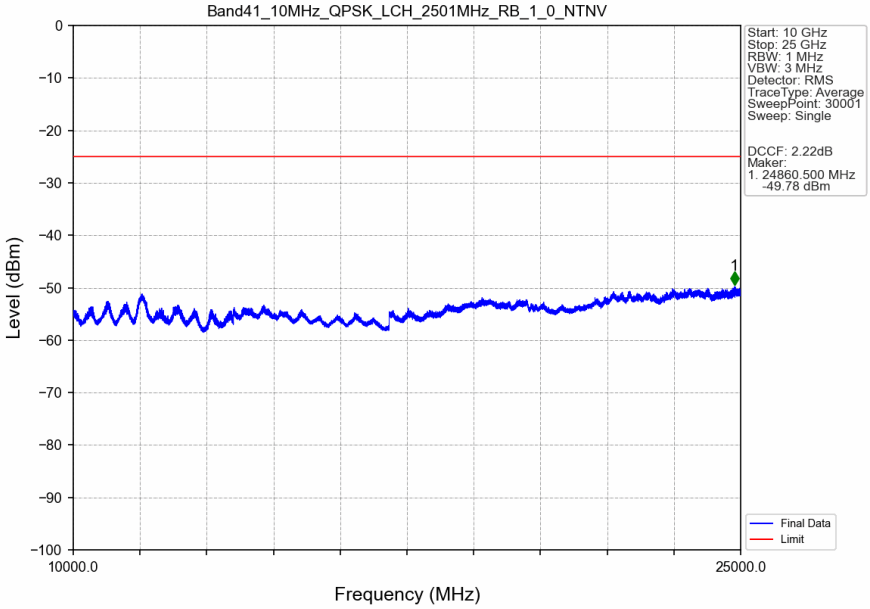


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-39.68	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-30.69	-13	Pass
2495	2496	0.01	/	3	2495.990	-31.12	-13	Pass
2496	2506	0.01	/	/	/	/	/	/

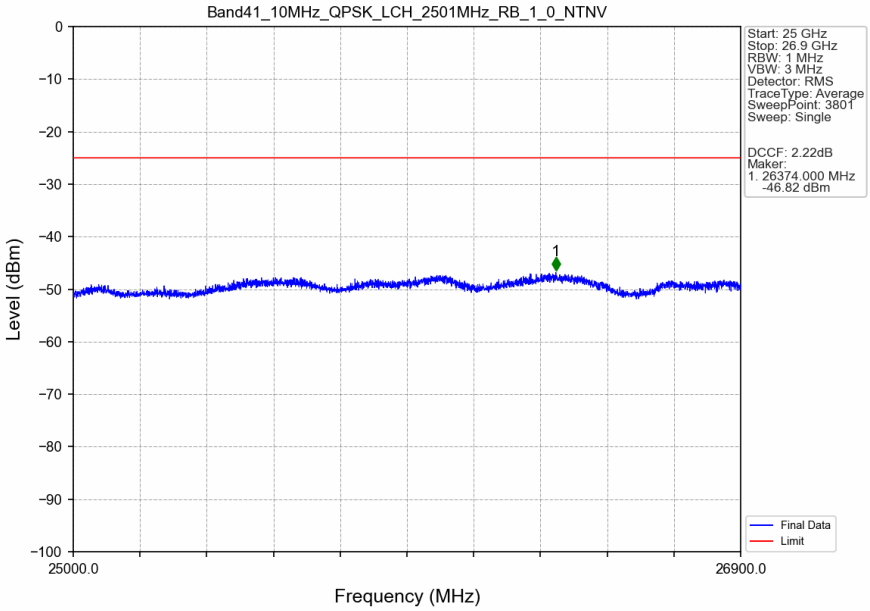
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



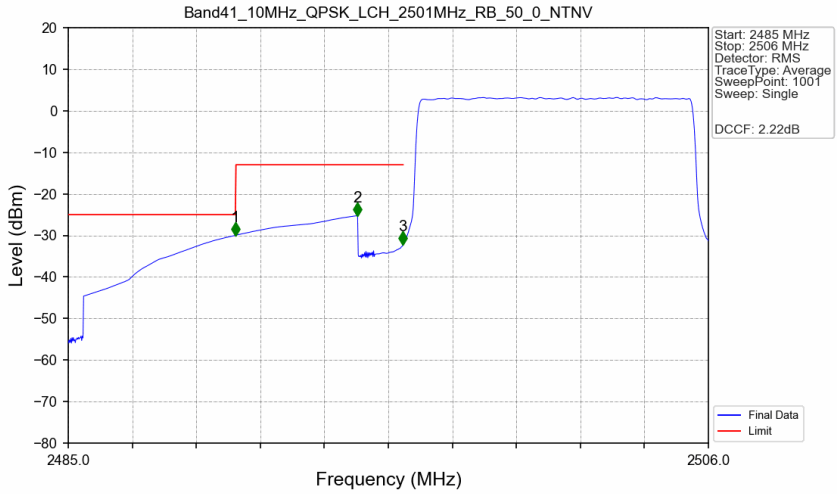
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

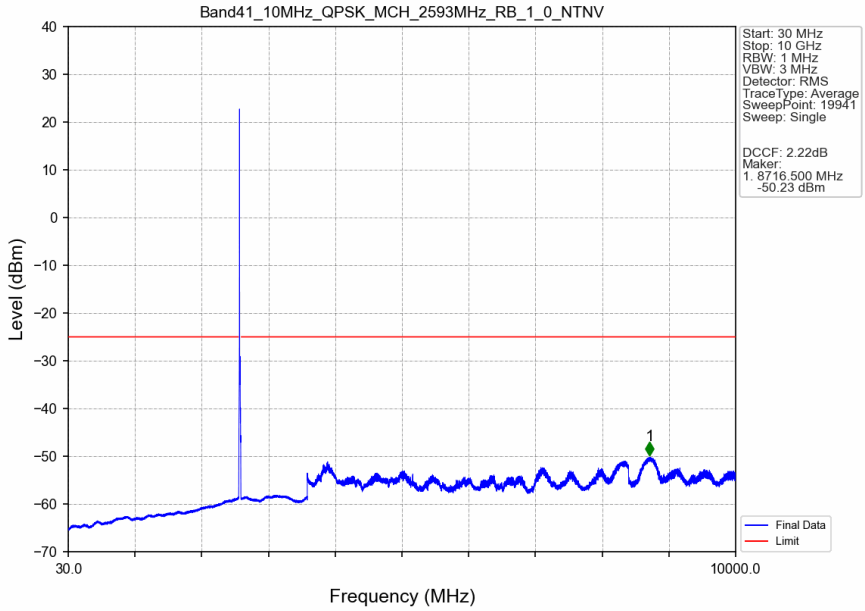


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

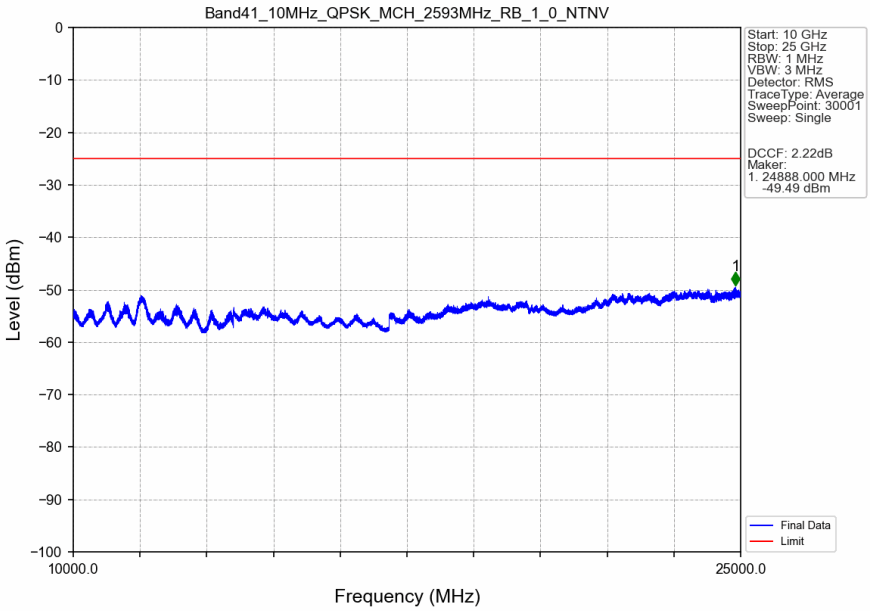


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.481	-30.00	-25	Pass
2490.5	2495	1	CHP	2	2494.492	-25.25	-13	Pass
2495	2496	0.112	CHP	3	2495.983	-32.28	-13	Pass
2496	2506	0.112	CHP	/	/	/	/	/

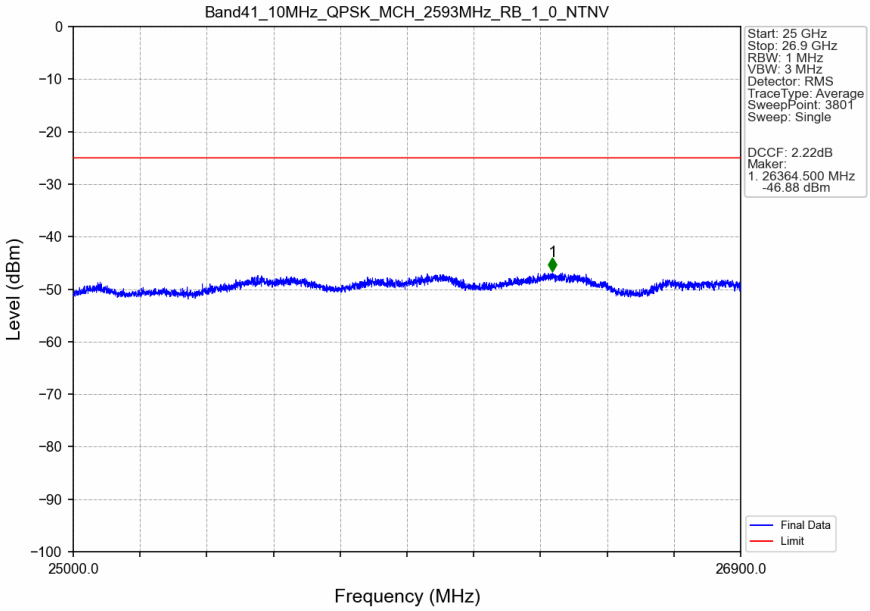
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



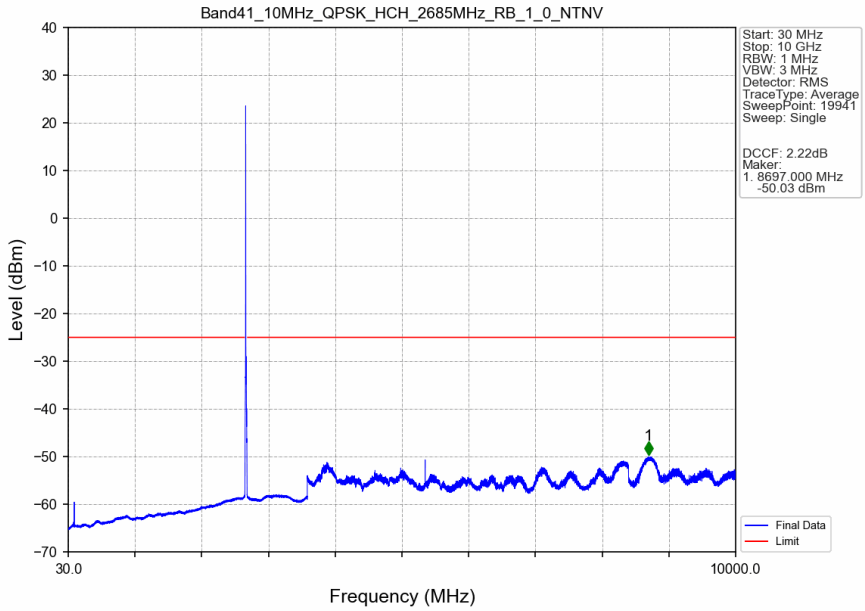
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



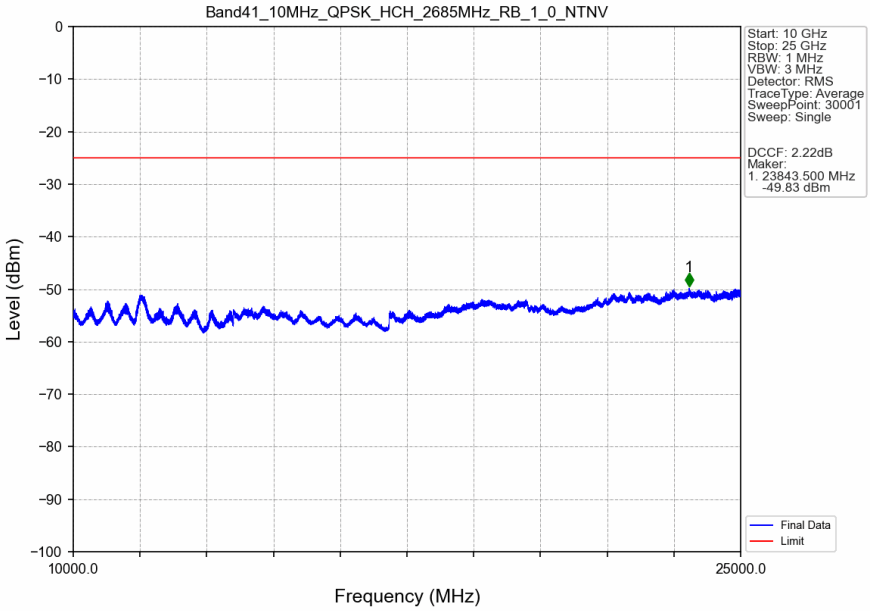
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



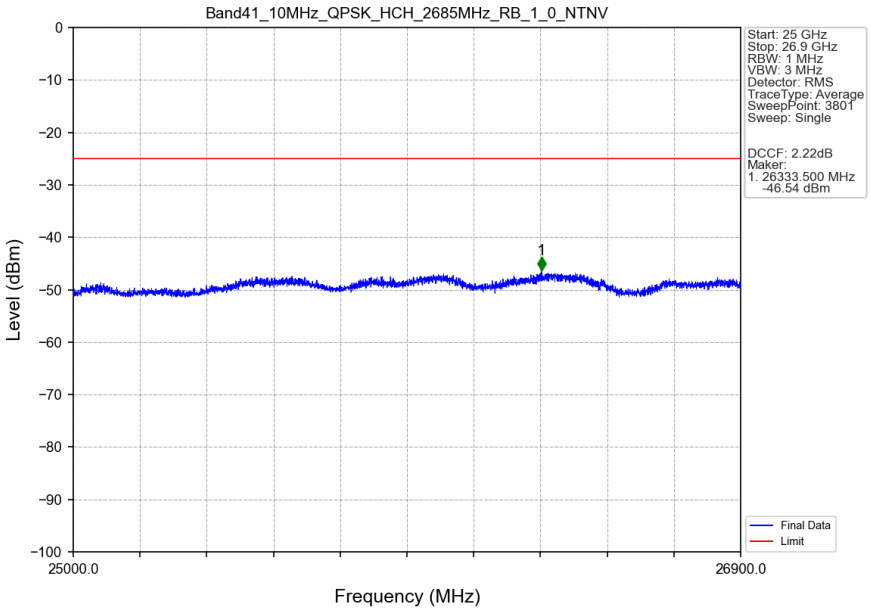
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



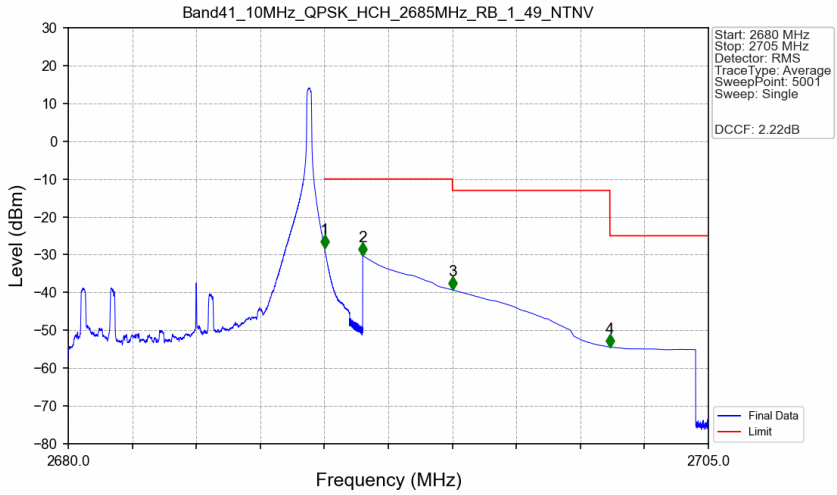
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

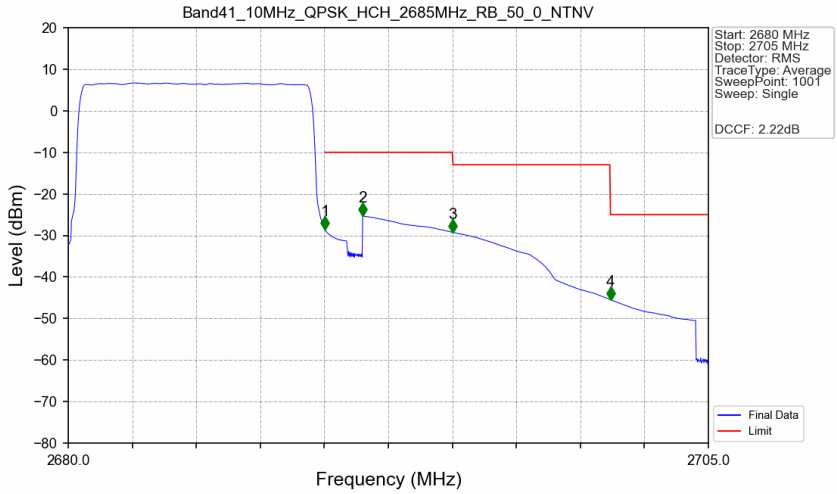


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



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	-28.19	-10	Pass
2691	2695	1	CHP	2	2691.500	-30.22	-10	Pass
2695	2701.153	1	CHP	3	2695.005	-39.32	-13	Pass
2701.153	2705	1	CHP	4	2701.155	-54.42	-25	Pass

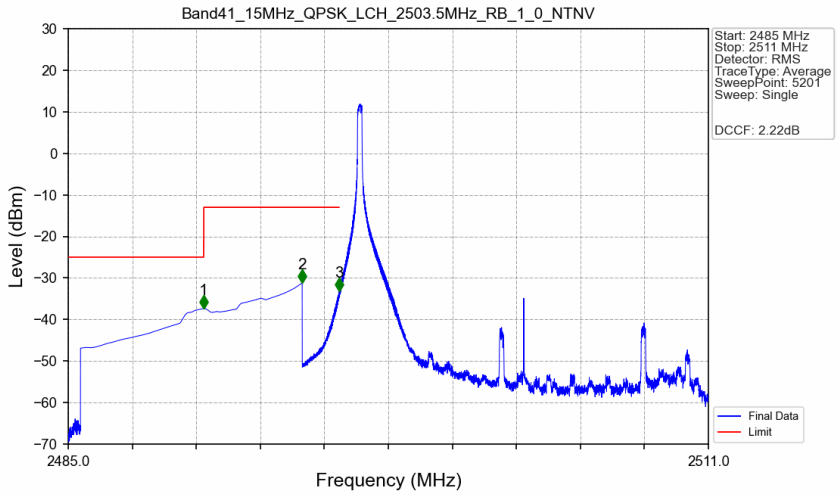
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.223	CHP	/	/	/	/	/
2690	2691	0.223	CHP	1	2690.025	-28.60	-10	Pass
2691	2695	1	CHP	2	2691.500	-25.31	-10	Pass
2695	2701.153	1	CHP	3	2695.025	-29.31	-13	Pass
2701.153	2705	1	CHP	4	2701.175	-45.48	-25	Pass

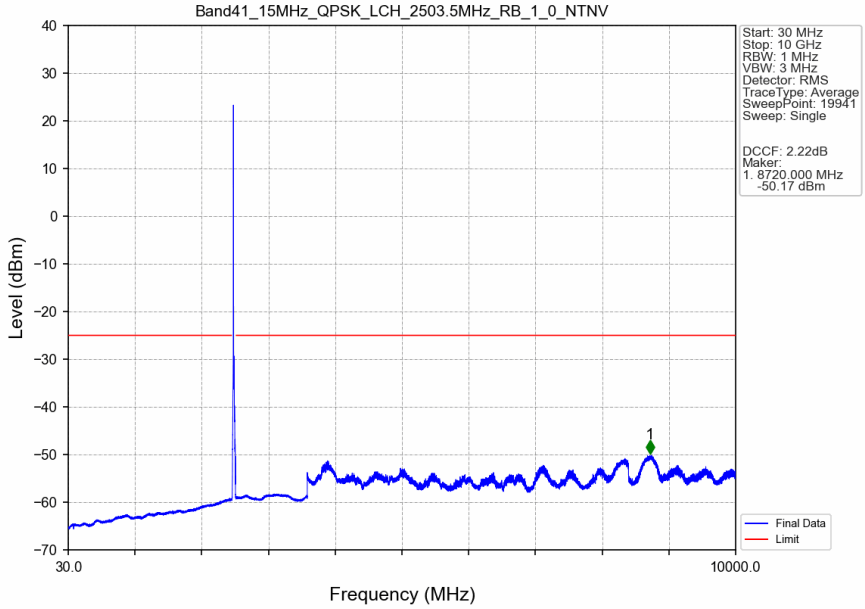
5.2.3 B41_15MHz

Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

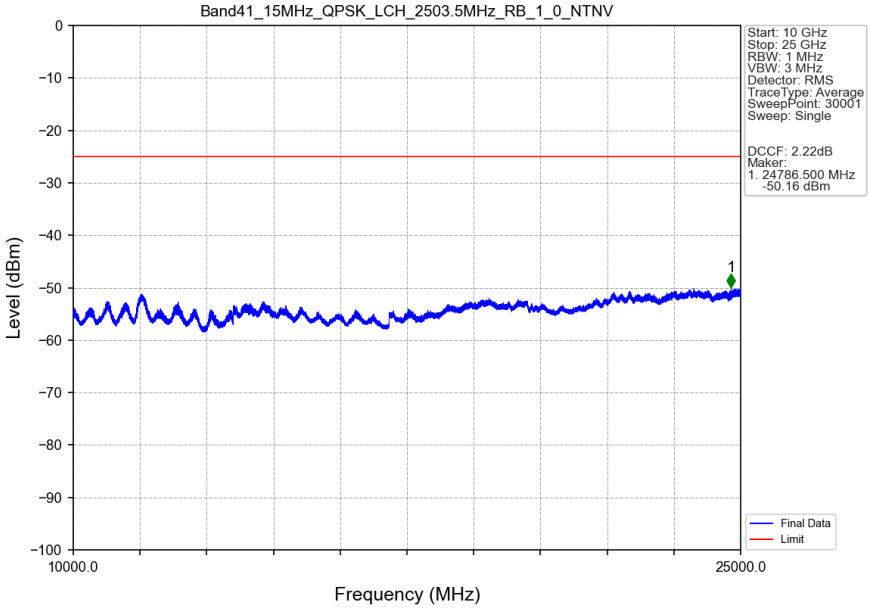


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-37.37	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-31.23	-13	Pass
2495	2496	0.01	/	3	2495.995	-33.17	-13	Pass
2496	2511	0.01	/	/	/	/	/	/

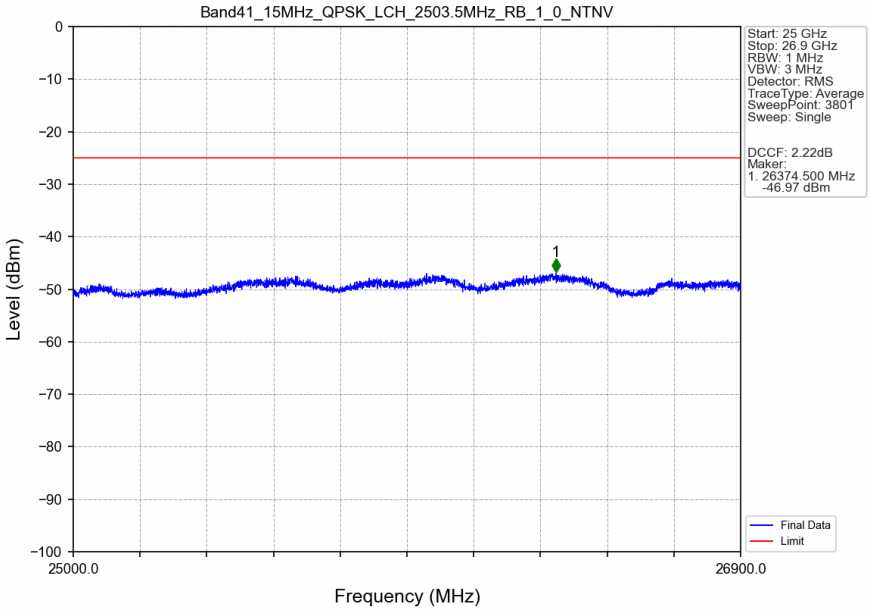
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



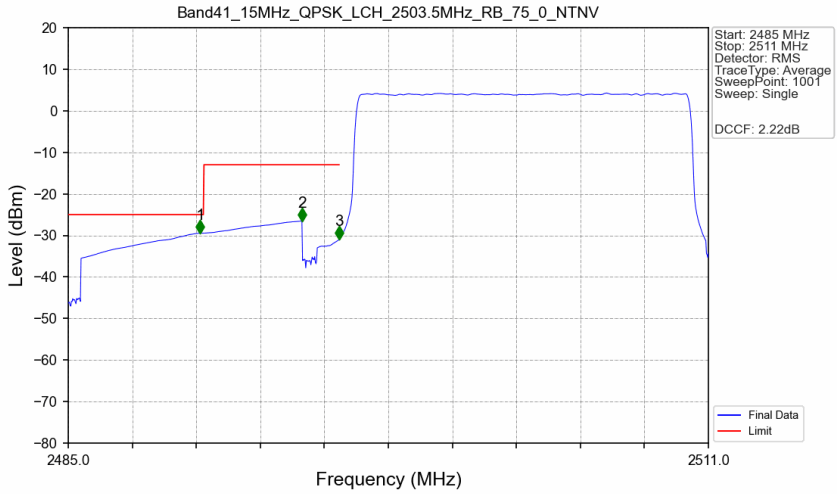
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

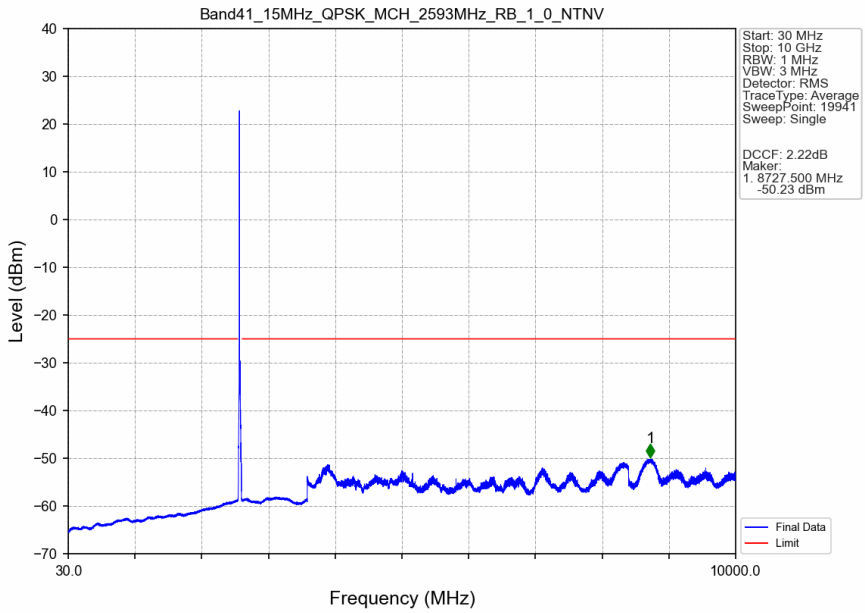


Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

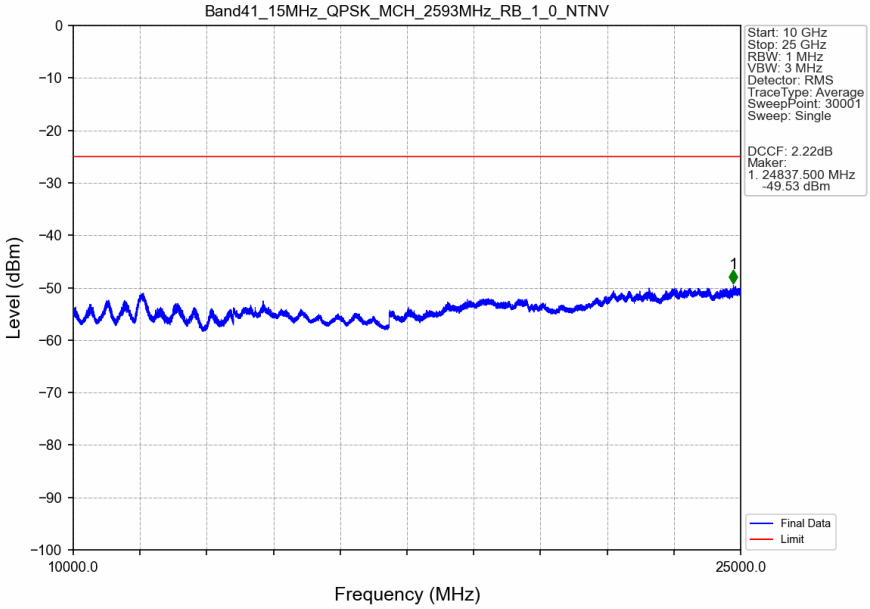


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.356	-29.45	-25	Pass
2490.5	2495	1	CHP	2	2494.490	-26.53	-13	Pass
2495	2496	0.204	CHP	3	2495.998	-30.99	-13	Pass
2496	2511	0.204	CHP	/	/	/	/	/

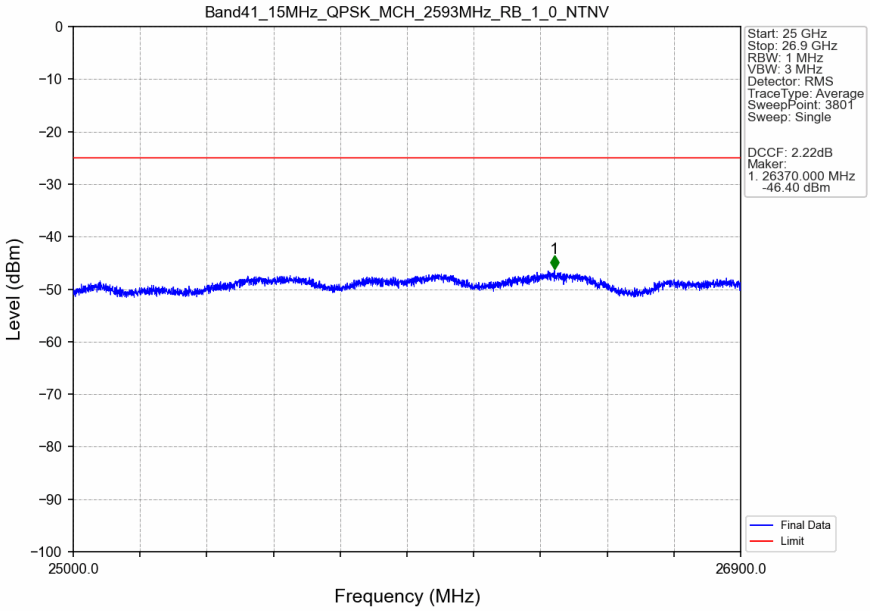
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



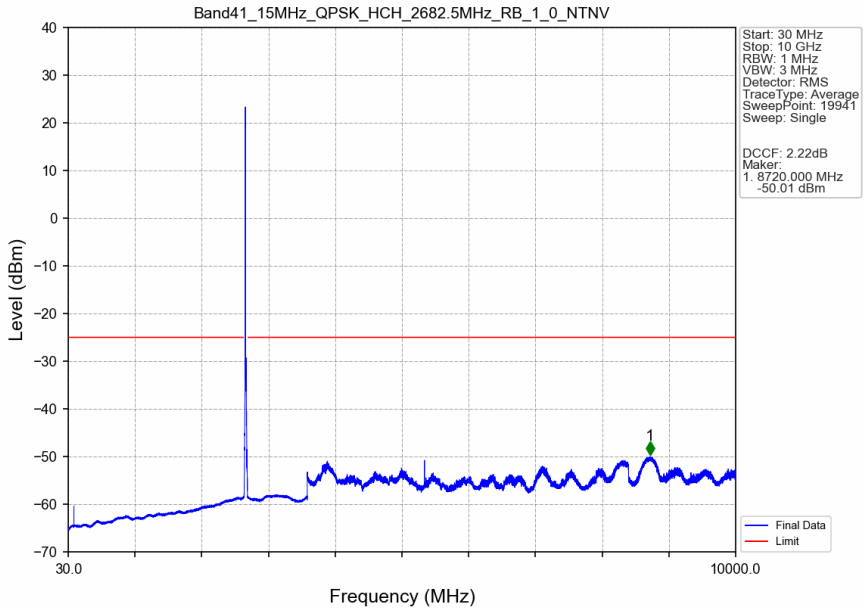
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



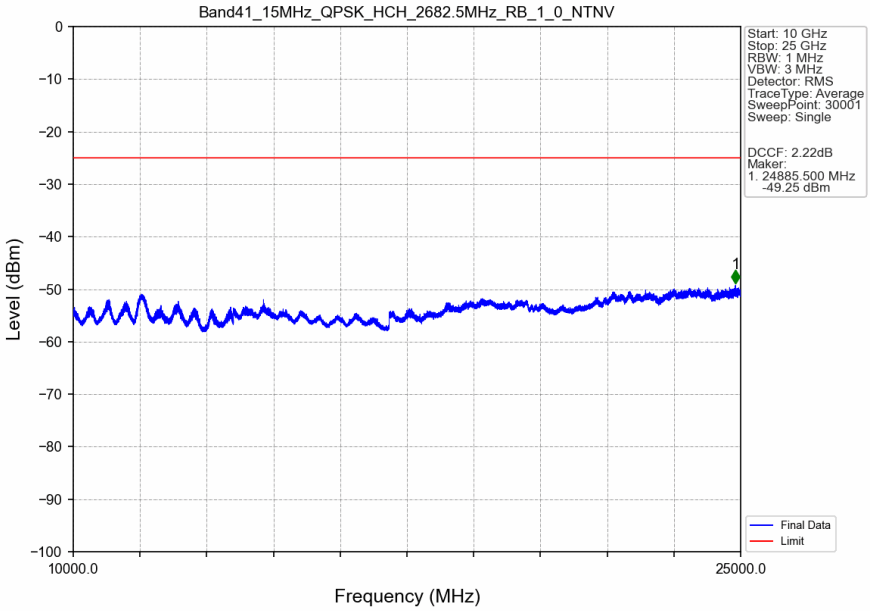
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



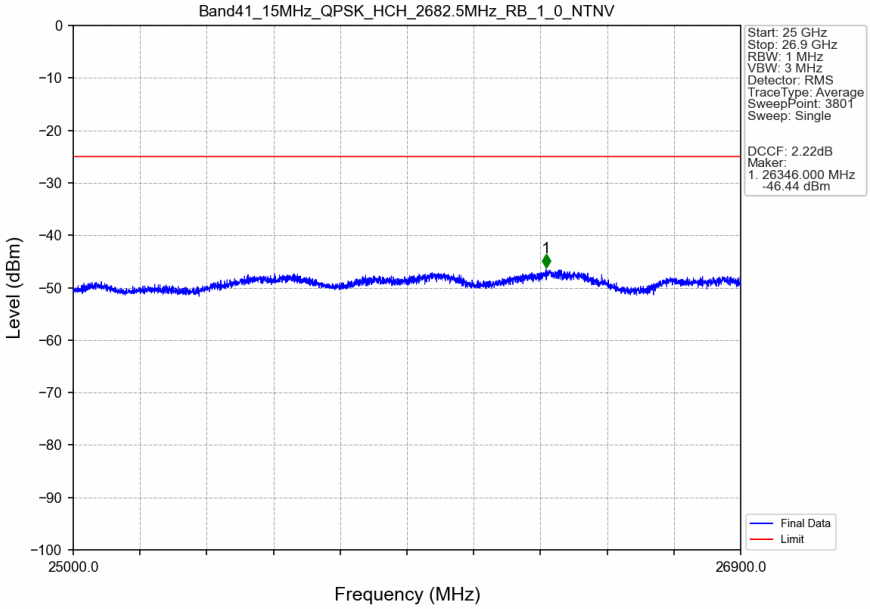
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



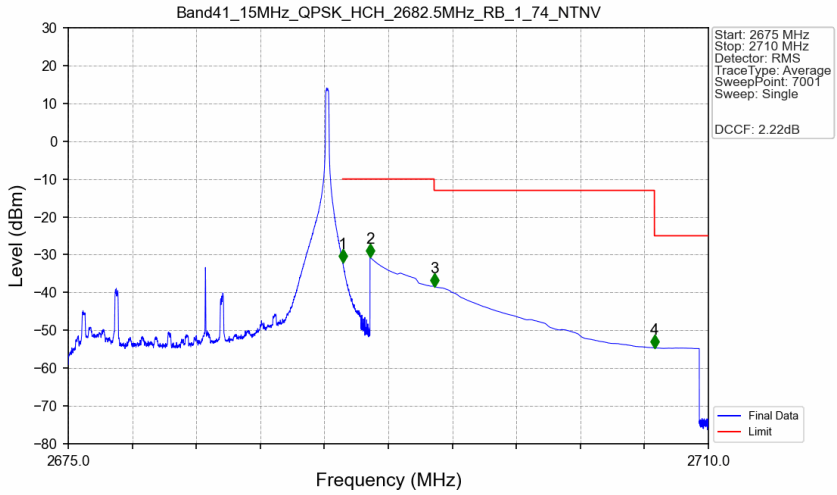
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

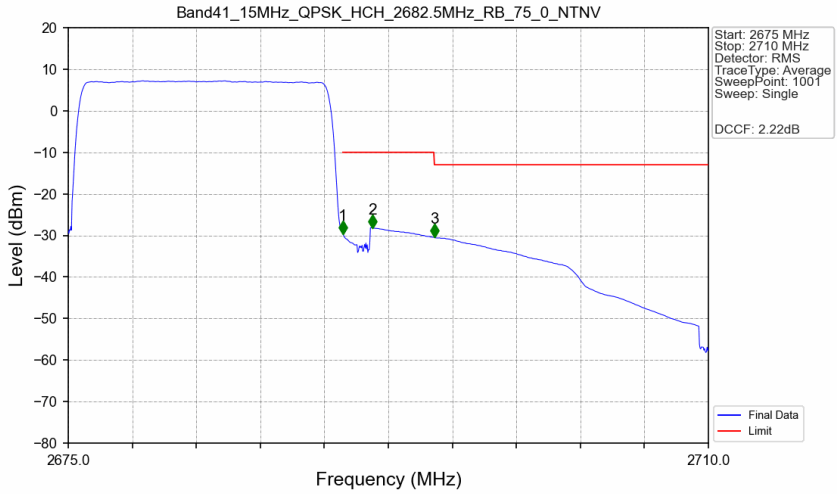


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



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	2690.005	-32.04	-10	Pass
2691	2695	1	CHP	2	2691.500	-30.72	-10	Pass
2695	2707.047	1	CHP	3	2695.005	-38.38	-13	Pass
2707.047	2710	1	CHP	4	2707.050	-54.65	-25	Pass

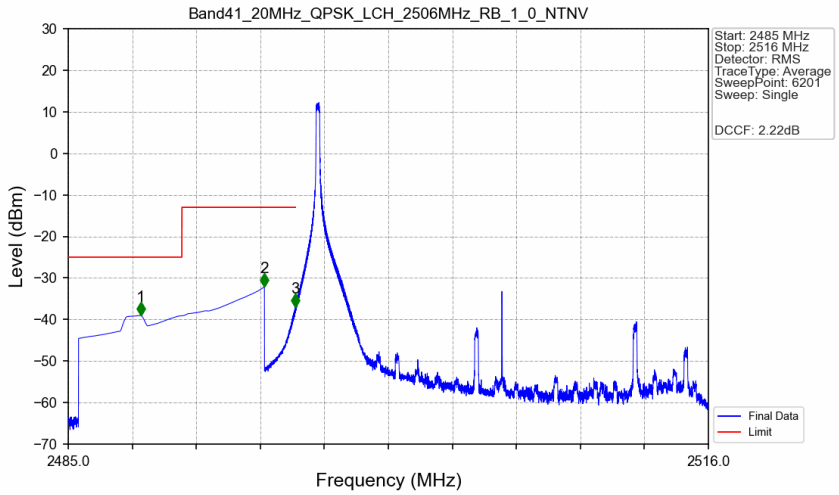
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.408	CHP	/	/	/	/	/
2690	2691	0.408	CHP	1	2690.015	-29.62	-10	Pass
2691	2695	1	CHP	2	2691.625	-28.17	-10	Pass
2695	2710	1	CHP	3	2695.020	-30.47	-13	Pass

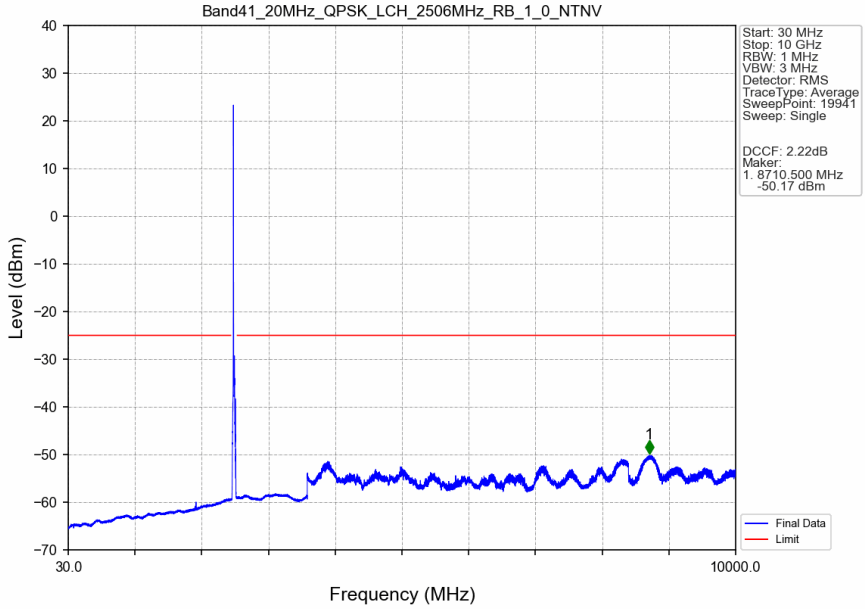
5.2.4 B41_20MHz

Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

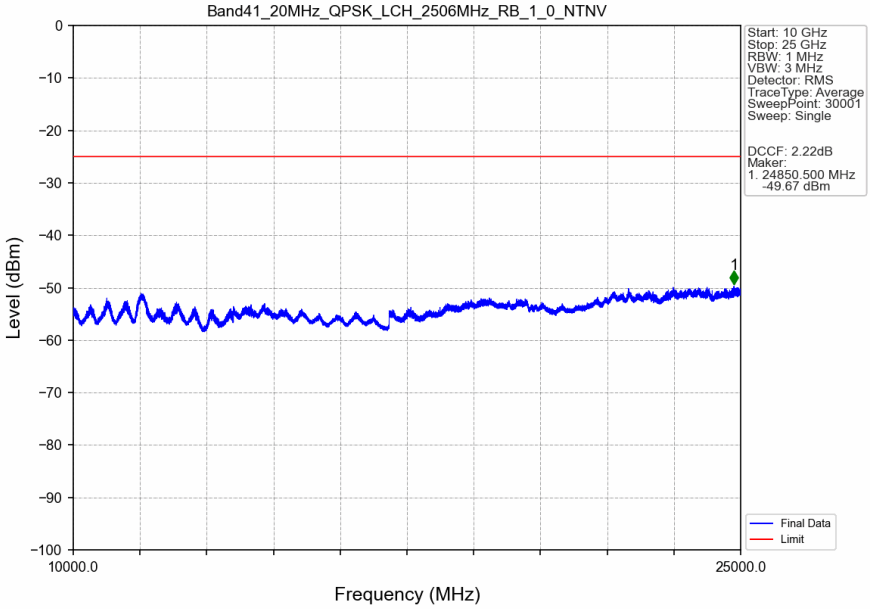


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.505	-39.04	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-32.13	-13	Pass
2495	2496	0.01	/	3	2495.995	-36.93	-13	Pass
2496	2516	0.01	/	/	/	/	/	/

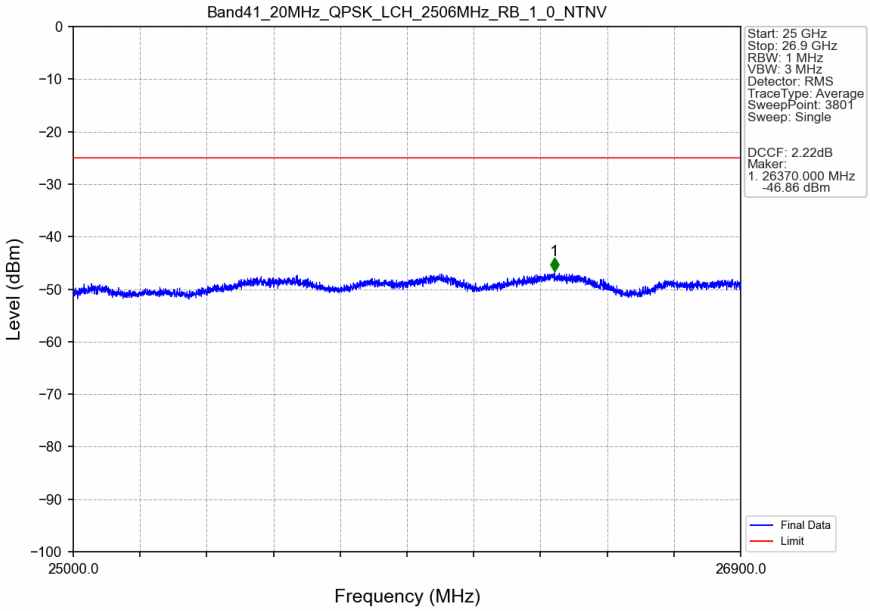
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



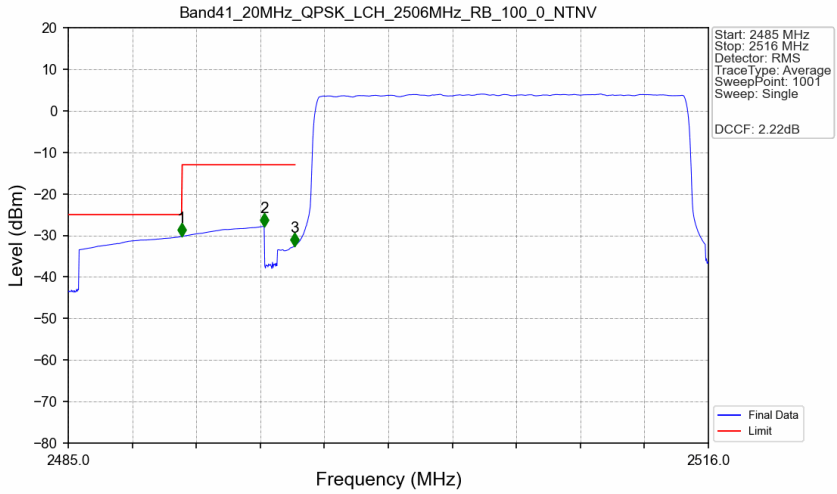
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

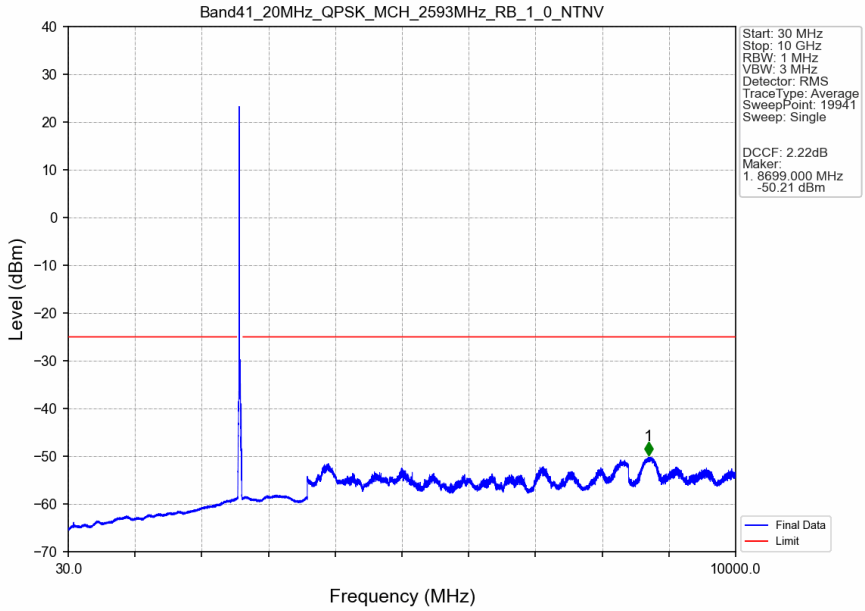


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

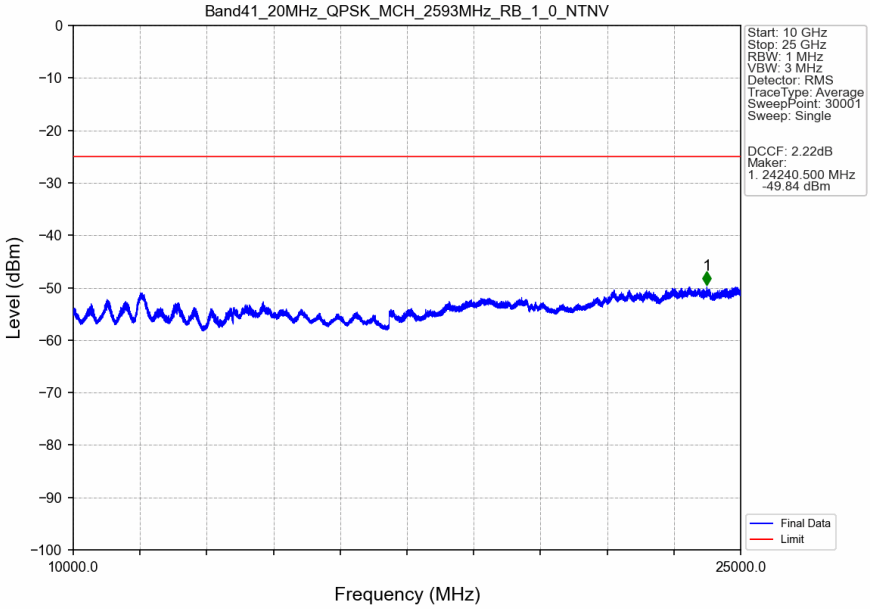


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.487	-30.25	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-27.80	-13	Pass
2495	2496	0.261	CHP	3	2495.974	-32.56	-13	Pass
2496	2516	0.261	CHP	/	/	/	/	/

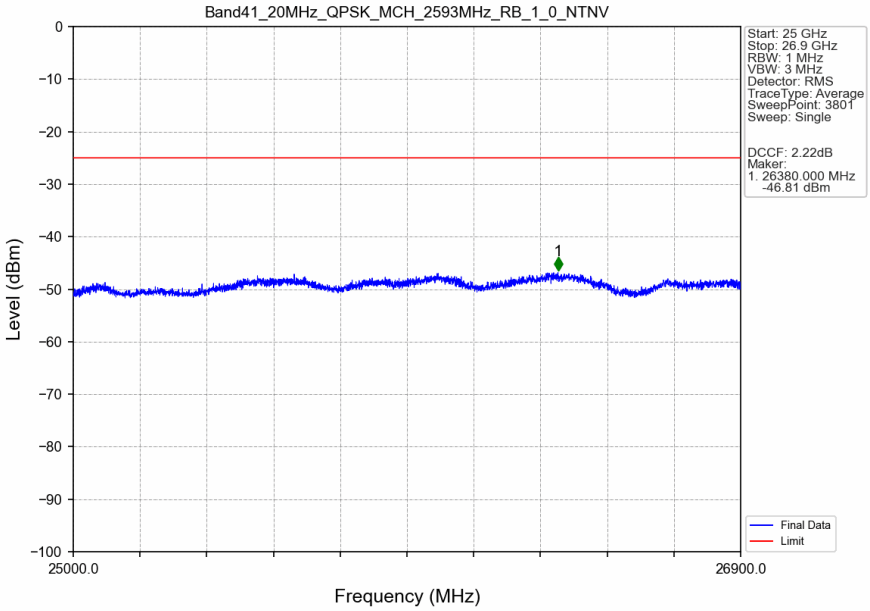
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



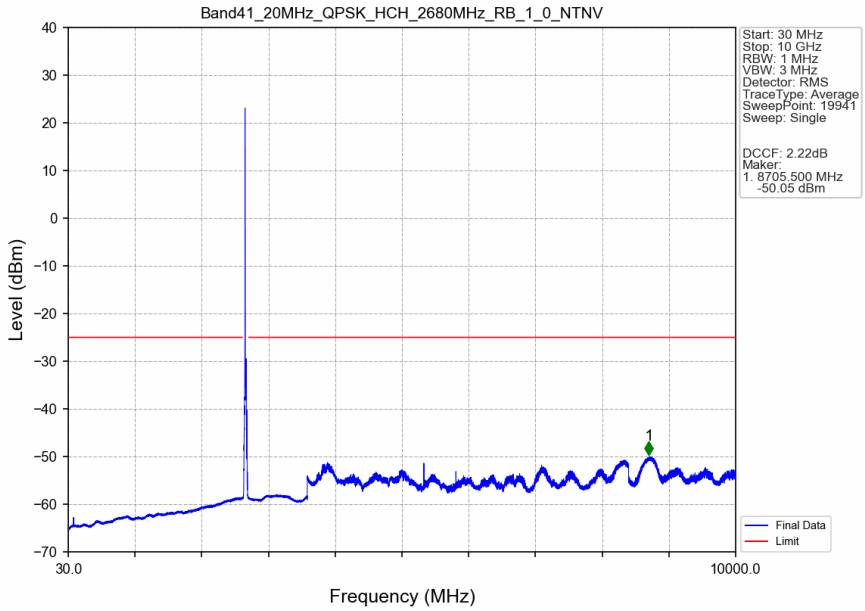
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



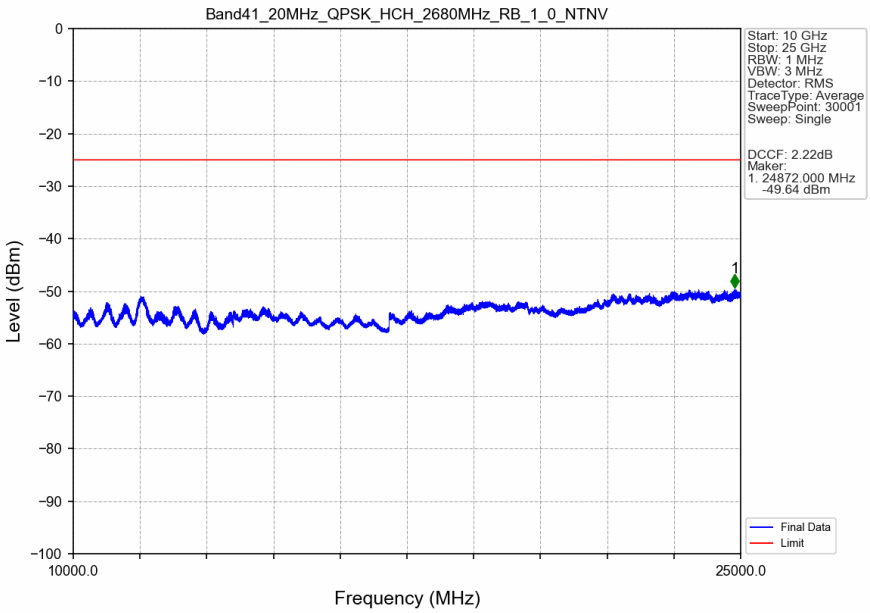
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



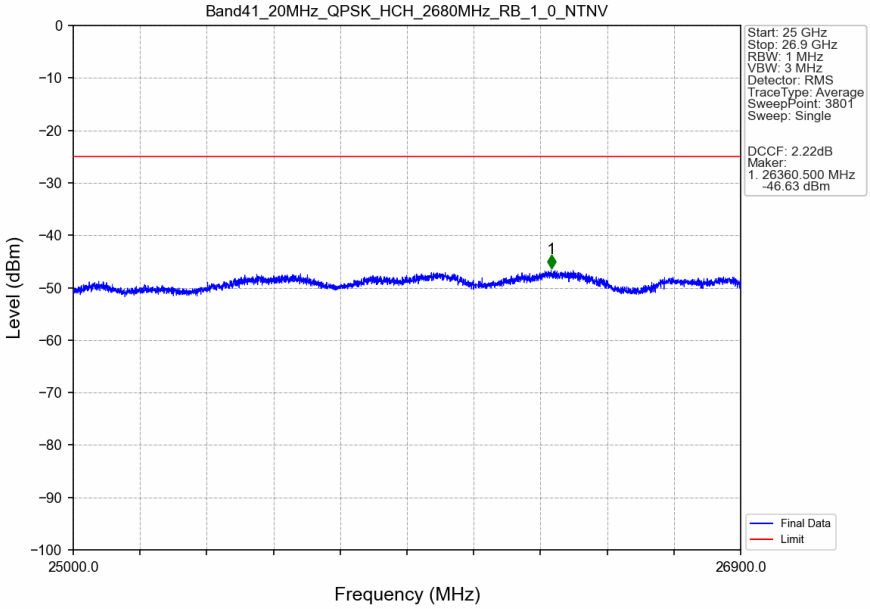
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



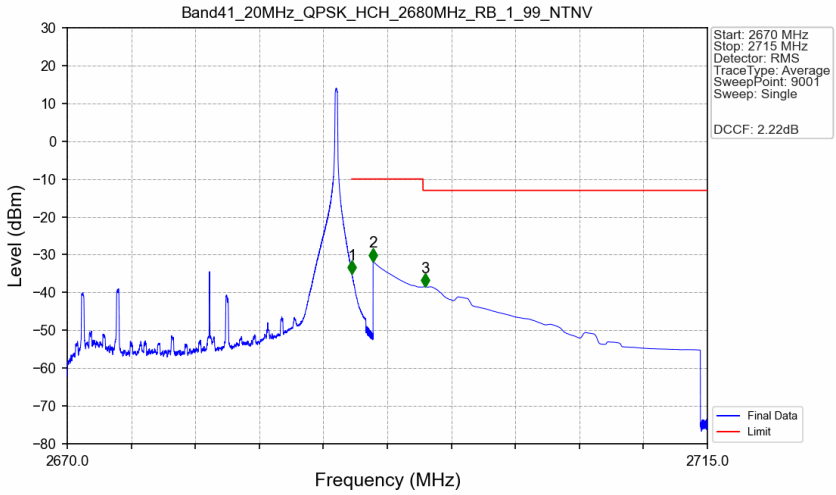
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV

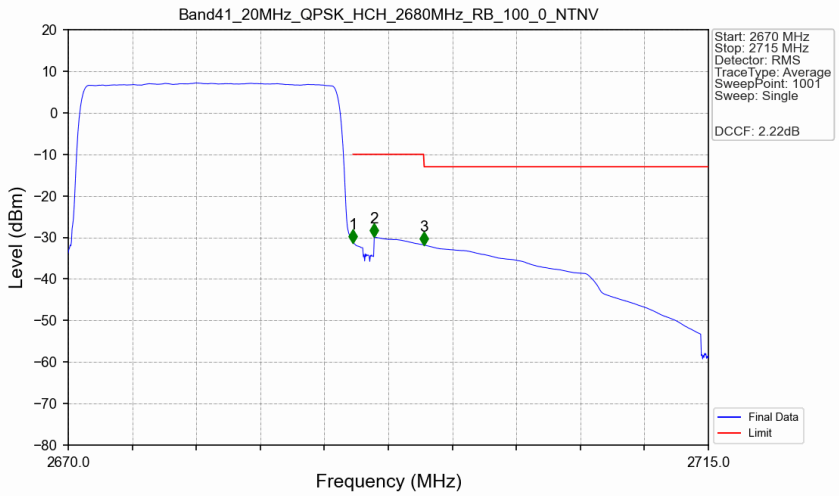


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



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	2690.005	-35.06	-10	Pass
2691	2695	1	CHP	2	2691.500	-31.75	-10	Pass
2695	2715	1	CHP	3	2695.180	-38.40	-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	0.522	CHP	/	/	/	/	/
2690	2691	0.522	CHP	1	2690.025	-31.23	-10	Pass
2691	2695	1	CHP	2	2691.510	-29.94	-10	Pass
2695	2715	1	CHP	3	2695.020	-31.84	-13	Pass

6. Field Strength of Spurious Radiation

LTE Band 41-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**
5082.0	-62.81	-25	-37.81	-68.4	4.6	10.19	Horizontal	Pass
7623.0	-59.85	-25	-34.85	-66.79	4.95	11.89	Horizontal	Pass
10164.0	-56.23	-25	-31.23	-63.8	5.49	13.06	Horizontal	Pass
5082.0	-62.83	-25	-37.83	-68.42	4.6	10.19	Vertical	Pass
7623.0	-59.74	-25	-34.74	-66.68	4.95	11.89	Vertical	Pass
10164.0	-56.14	-25	-31.14	-63.71	5.49	13.06	Vertical	Pass

LTE Band 41-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	-62.93	-25	-37.93	-68.55	4.62	10.24	Horizontal	Pass
7752.0	-58.91	-25	-33.91	-65.99	4.96	12.04	Horizontal	Pass
10336.0	-56.48	-25	-31.48	-64.06	5.51	13.09	Horizontal	Pass
5168.0	-62.96	-25	-37.96	-68.58	4.62	10.24	Vertical	Pass
7752.0	-59.12	-25	-34.12	-66.2	4.96	12.04	Vertical	Pass
10336.0	-55.79	-25	-30.79	-63.37	5.51	13.09	Vertical	Pass

LTE Band 41-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**
5262.0	-61.24	-25	-36.24	-66.89	4.65	10.3	Horizontal	Pass
7893.0	-58.18	-25	-33.18	-65.41	4.97	12.2	Horizontal	Pass
13173.56	-47.94	-25	-22.94	-55.71	5.98	13.75	Horizontal	Pass
5262.0	-62.7	-25	-37.7	-68.35	4.65	10.3	Vertical	Pass
7893.0	-58.22	-25	-33.22	-65.45	4.97	12.2	Vertical	Pass
13173.56	-47.15	-25	-22.15	-54.92	5.98	13.75	Vertical	Pass