

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	24.83	2.90	27.73	<=33.01	Pass
			13	24.83	2.90	27.73	<=33.01	Pass
			24	24.89	2.90	27.79	<=33.01	Pass
		12	0	23.84	2.90	26.74	<=33.01	Pass
			6	23.87	2.90	26.77	<=33.01	Pass
			13	23.83	2.90	26.73	<=33.01	Pass
		25	0	23.85	2.90	26.75	<=33.01	Pass
	2593	1	0	24.72	2.90	27.62	<=33.01	Pass
			13	24.86	2.90	27.76	<=33.01	Pass
			24	24.70	2.90	27.60	<=33.01	Pass
		12	0	23.78	2.90	26.68	<=33.01	Pass
			6	23.72	2.90	26.62	<=33.01	Pass
			13	23.73	2.90	26.63	<=33.01	Pass
		25	0	23.71	2.90	26.61	<=33.01	Pass
	2687.5	1	0	24.29	2.90	27.19	<=33.01	Pass
			13	24.37	2.90	27.27	<=33.01	Pass
			24	24.18	2.90	27.08	<=33.01	Pass
		12	0	23.27	2.90	26.17	<=33.01	Pass
			6	23.31	2.90	26.21	<=33.01	Pass
			13	23.26	2.90	26.16	<=33.01	Pass
		25	0	23.25	2.90	26.15	<=33.01	Pass
16QAM	2498.5	1	0	24.09	2.90	26.99	<=33.01	Pass
			13	24.37	2.90	27.27	<=33.01	Pass
			24	24.10	2.90	27.00	<=33.01	Pass
		12	0	22.94	2.90	25.84	<=33.01	Pass
			6	23.01	2.90	25.91	<=33.01	Pass
			13	22.86	2.90	25.76	<=33.01	Pass
		25	0	22.79	2.90	25.69	<=33.01	Pass
	2593	1	0	23.96	2.90	26.86	<=33.01	Pass
			13	24.00	2.90	26.90	<=33.01	Pass
			24	23.83	2.90	26.73	<=33.01	Pass
		12	0	22.81	2.90	25.71	<=33.01	Pass
			6	22.85	2.90	25.75	<=33.01	Pass
			13	22.77	2.90	25.67	<=33.01	Pass
		25	0	22.76	2.90	25.66	<=33.01	Pass
	2687.5	1	0	23.76	2.90	26.66	<=33.01	Pass
			13	23.84	2.90	26.74	<=33.01	Pass
			24	23.54	2.90	26.44	<=33.01	Pass
		12	0	22.30	2.90	25.20	<=33.01	Pass
			6	22.31	2.90	25.21	<=33.01	Pass
			13	22.42	2.90	25.32	<=33.01	Pass
		25	0	22.28	2.90	25.18	<=33.01	Pass
64QAM	2498.5	1	0	24.02	2.90	26.92	<=33.01	Pass
			13	24.07	2.90	26.97	<=33.01	Pass
			24	23.89	2.90	26.79	<=33.01	Pass
		12	0	22.82	2.90	25.72	<=33.01	Pass
			6	22.96	2.90	25.86	<=33.01	Pass
			13	22.88	2.90	25.78	<=33.01	Pass
		25	0	22.80	2.90	25.70	<=33.01	Pass

	2593	1	0	23.76	2.90	26.66	<=33.01	Pass	
			13	24.01	2.90	26.91	<=33.01	Pass	
			24	23.67	2.90	26.57	<=33.01	Pass	
		12	0	22.80	2.90	25.70	<=33.01	Pass	
			6	22.76	2.90	25.66	<=33.01	Pass	
			13	22.65	2.90	25.55	<=33.01	Pass	
		25	0	22.76	2.90	25.66	<=33.01	Pass	
		2687.5	1	0	23.31	2.90	26.21	<=33.01	Pass
				13	23.50	2.90	26.40	<=33.01	Pass
	24			23.37	2.90	26.27	<=33.01	Pass	
	12		0	22.34	2.90	25.24	<=33.01	Pass	
			6	22.33	2.90	25.23	<=33.01	Pass	
			13	22.29	2.90	25.19	<=33.01	Pass	
	25	0	22.29	2.90	25.19	<=33.01	Pass		
256QAM	2498.5	1	0	19.88	2.90	22.78	<=33.01	Pass	
			13	20.05	2.90	22.95	<=33.01	Pass	
			24	19.78	2.90	22.68	<=33.01	Pass	
		12	0	19.93	2.90	22.83	<=33.01	Pass	
			6	19.88	2.90	22.78	<=33.01	Pass	
			13	19.88	2.90	22.78	<=33.01	Pass	
		25	0	19.84	2.90	22.74	<=33.01	Pass	
	2593	1	0	19.87	2.90	22.77	<=33.01	Pass	
			13	19.76	2.90	22.66	<=33.01	Pass	
			24	19.68	2.90	22.58	<=33.01	Pass	
		12	0	19.82	2.90	22.72	<=33.01	Pass	
			6	19.76	2.90	22.66	<=33.01	Pass	
			13	19.81	2.90	22.71	<=33.01	Pass	
		25	0	19.74	2.90	22.64	<=33.01	Pass	
	2687.5	1	0	19.36	2.90	22.26	<=33.01	Pass	
			13	19.47	2.90	22.37	<=33.01	Pass	
			24	19.18	2.90	22.08	<=33.01	Pass	
		12	0	19.39	2.90	22.29	<=33.01	Pass	
			6	19.37	2.90	22.27	<=33.01	Pass	
			13	19.33	2.90	22.23	<=33.01	Pass	
		25	0	19.35	2.90	22.25	<=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	24.77	2.90	27.67	<=33.01	Pass
			25	24.92	2.90	27.82	<=33.01	Pass
			49	24.86	2.90	27.76	<=33.01	Pass
		25	0	23.86	2.90	26.76	<=33.01	Pass
			13	23.78	2.90	26.68	<=33.01	Pass
			25	23.75	2.90	26.65	<=33.01	Pass
		50	0	23.75	2.90	26.65	<=33.01	Pass
	2593	1	0	24.75	2.90	27.65	<=33.01	Pass
			25	24.79	2.90	27.69	<=33.01	Pass
			49	24.66	2.90	27.56	<=33.01	Pass
		25	0	23.76	2.90	26.66	<=33.01	Pass
			13	23.76	2.90	26.66	<=33.01	Pass
			25	23.75	2.90	26.65	<=33.01	Pass
		50	0	23.74	2.90	26.64	<=33.01	Pass
	2685	1	0	24.34	2.90	27.24	<=33.01	Pass

		25	25	24.43	2.90	27.33	<=33.01	Pass
			49	24.14	2.90	27.04	<=33.01	Pass
			0	23.27	2.90	26.17	<=33.01	Pass
			13	23.28	2.90	26.18	<=33.01	Pass
			25	23.27	2.90	26.17	<=33.01	Pass
		50	0	23.30	2.90	26.20	<=33.01	Pass
16QAM	2501	1	0	24.21	2.90	27.11	<=33.01	Pass
			25	24.06	2.90	26.96	<=33.01	Pass
			49	24.04	2.90	26.94	<=33.01	Pass
		25	0	22.87	2.90	25.77	<=33.01	Pass
			13	22.85	2.90	25.75	<=33.01	Pass
			25	22.80	2.90	25.70	<=33.01	Pass
		50	0	22.82	2.90	25.72	<=33.01	Pass
	2593	1	0	24.10	2.90	27.00	<=33.01	Pass
			25	23.91	2.90	26.81	<=33.01	Pass
			49	23.89	2.90	26.79	<=33.01	Pass
		25	0	22.76	2.90	25.66	<=33.01	Pass
			13	22.81	2.90	25.71	<=33.01	Pass
			25	22.77	2.90	25.67	<=33.01	Pass
		50	0	22.74	2.90	25.64	<=33.01	Pass
	2685	1	0	23.46	2.90	26.36	<=33.01	Pass
			25	23.51	2.90	26.41	<=33.01	Pass
			49	23.56	2.90	26.46	<=33.01	Pass
		25	0	22.31	2.90	25.21	<=33.01	Pass
			13	22.32	2.90	25.22	<=33.01	Pass
			25	22.31	2.90	25.21	<=33.01	Pass
		50	0	22.30	2.90	25.20	<=33.01	Pass
64QAM	2501	1	0	23.92	2.90	26.82	<=33.01	Pass
			25	23.99	2.90	26.89	<=33.01	Pass
			49	23.82	2.90	26.72	<=33.01	Pass
		25	0	22.83	2.90	25.73	<=33.01	Pass
			13	22.79	2.90	25.69	<=33.01	Pass
			25	22.79	2.90	25.69	<=33.01	Pass
		50	0	22.78	2.90	25.68	<=33.01	Pass
	2593	1	0	23.82	2.90	26.72	<=33.01	Pass
			25	23.81	2.90	26.71	<=33.01	Pass
			49	23.77	2.90	26.67	<=33.01	Pass
		25	0	22.76	2.90	25.66	<=33.01	Pass
			13	22.83	2.90	25.73	<=33.01	Pass
			25	22.75	2.90	25.65	<=33.01	Pass
		50	0	22.75	2.90	25.65	<=33.01	Pass
	2685	1	0	23.43	2.90	26.33	<=33.01	Pass
			25	23.48	2.90	26.38	<=33.01	Pass
			49	23.15	2.90	26.05	<=33.01	Pass
		25	0	22.28	2.90	25.18	<=33.01	Pass
			13	22.35	2.90	25.25	<=33.01	Pass
			25	22.32	2.90	25.22	<=33.01	Pass
		50	0	22.29	2.90	25.19	<=33.01	Pass
256QAM	2501	1	0	20.06	2.90	22.96	<=33.01	Pass
			25	20.08	2.90	22.98	<=33.01	Pass
			49	19.82	2.90	22.72	<=33.01	Pass
		25	0	19.88	2.90	22.78	<=33.01	Pass
			13	19.91	2.90	22.81	<=33.01	Pass
			25	19.84	2.90	22.74	<=33.01	Pass
		50	0	19.81	2.90	22.71	<=33.01	Pass
	2593	1	0	19.80	2.90	22.70	<=33.01	Pass
			25	19.90	2.90	22.80	<=33.01	Pass
			49	19.66	2.90	22.56	<=33.01	Pass
		25	0	19.75	2.90	22.65	<=33.01	Pass

		50	13	19.85	2.90	22.75	<=33.01	Pass
			25	19.73	2.90	22.63	<=33.01	Pass
			0	19.76	2.90	22.66	<=33.01	Pass
	2685	1	0	19.41	2.90	22.31	<=33.01	Pass
			25	19.37	2.90	22.27	<=33.01	Pass
			49	19.15	2.90	22.05	<=33.01	Pass
		25	0	19.39	2.90	22.29	<=33.01	Pass
			13	19.32	2.90	22.22	<=33.01	Pass
			25	19.30	2.90	22.20	<=33.01	Pass
		50	0	19.31	2.90	22.21	<=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	24.70	2.90	27.60	<=33.01	Pass
			38	24.74	2.90	27.64	<=33.01	Pass
			74	24.74	2.90	27.64	<=33.01	Pass
		36	0	23.84	2.90	26.74	<=33.01	Pass
			18	23.85	2.90	26.75	<=33.01	Pass
			39	23.78	2.90	26.68	<=33.01	Pass
		75	0	23.83	2.90	26.73	<=33.01	Pass
	2593	1	0	24.94	2.90	27.84	<=33.01	Pass
			38	24.67	2.90	27.57	<=33.01	Pass
			74	24.56	2.90	27.46	<=33.01	Pass
		36	0	23.72	2.90	26.62	<=33.01	Pass
			18	23.77	2.90	26.67	<=33.01	Pass
			39	23.53	2.90	26.43	<=33.01	Pass
		75	0	23.70	2.90	26.60	<=33.01	Pass
	2682.5	1	0	24.35	2.90	27.25	<=33.01	Pass
			38	24.20	2.90	27.10	<=33.01	Pass
			74	24.14	2.90	27.04	<=33.01	Pass
		36	0	23.31	2.90	26.21	<=33.01	Pass
			18	23.31	2.90	26.21	<=33.01	Pass
			39	23.17	2.90	26.07	<=33.01	Pass
		75	0	23.27	2.90	26.17	<=33.01	Pass
16QAM	2503.5	1	0	24.12	2.90	27.02	<=33.01	Pass
			38	24.12	2.90	27.02	<=33.01	Pass
			74	24.09	2.90	26.99	<=33.01	Pass
		36	0	22.83	2.90	25.73	<=33.01	Pass
			18	22.89	2.90	25.79	<=33.01	Pass
			39	22.82	2.90	25.72	<=33.01	Pass
		75	0	22.84	2.90	25.74	<=33.01	Pass
	2593	1	0	23.88	2.90	26.78	<=33.01	Pass
			38	23.89	2.90	26.79	<=33.01	Pass
			74	23.85	2.90	26.75	<=33.01	Pass
		36	0	22.78	2.90	25.68	<=33.01	Pass
			18	22.77	2.90	25.67	<=33.01	Pass
			39	22.65	2.90	25.55	<=33.01	Pass
		75	0	22.74	2.90	25.64	<=33.01	Pass
	2682.5	1	0	23.56	2.90	26.46	<=33.01	Pass
			38	23.39	2.90	26.29	<=33.01	Pass
			74	23.43	2.90	26.33	<=33.01	Pass
		36	0	22.35	2.90	25.25	<=33.01	Pass
			18	22.32	2.90	25.22	<=33.01	Pass

			39	22.25	2.90	25.15	<=33.01	Pass	
		75	0	22.30	2.90	25.20	<=33.01	Pass	
64QAM	2503.5	1	0	23.83	2.90	26.73	<=33.01	Pass	
			38	23.93	2.90	26.83	<=33.01	Pass	
			74	23.86	2.90	26.76	<=33.01	Pass	
			0	22.84	2.90	25.74	<=33.01	Pass	
		36	18	22.94	2.90	25.84	<=33.01	Pass	
			39	22.81	2.90	25.71	<=33.01	Pass	
			75	0	22.83	2.90	25.73	<=33.01	Pass
		2593	1	0	23.85	2.90	26.75	<=33.01	Pass
				38	23.83	2.90	26.73	<=33.01	Pass
	74			23.56	2.90	26.46	<=33.01	Pass	
	0			22.80	2.90	25.70	<=33.01	Pass	
	36		18	22.82	2.90	25.72	<=33.01	Pass	
			39	22.62	2.90	25.52	<=33.01	Pass	
			75	0	22.76	2.90	25.66	<=33.01	Pass
	2682.5	1	0	23.31	2.90	26.21	<=33.01	Pass	
			38	23.52	2.90	26.42	<=33.01	Pass	
			74	23.25	2.90	26.15	<=33.01	Pass	
			0	22.30	2.90	25.20	<=33.01	Pass	
		36	18	22.34	2.90	25.24	<=33.01	Pass	
			39	22.21	2.90	25.11	<=33.01	Pass	
			75	0	22.31	2.90	25.21	<=33.01	Pass
		256QAM	2503.5	1	0	19.91	2.90	22.81	<=33.01
38	19.95				2.90	22.85	<=33.01	Pass	
74	19.86				2.90	22.76	<=33.01	Pass	
36	0			19.88	2.90	22.78	<=33.01	Pass	
	18			19.91	2.90	22.81	<=33.01	Pass	
	39			19.78	2.90	22.68	<=33.01	Pass	
75	0			19.86	2.90	22.76	<=33.01	Pass	
2593	1		0	19.95	2.90	22.85	<=33.01	Pass	
			38	19.80	2.90	22.70	<=33.01	Pass	
			74	19.73	2.90	22.63	<=33.01	Pass	
	36		0	19.81	2.90	22.71	<=33.01	Pass	
			18	19.83	2.90	22.73	<=33.01	Pass	
			39	19.68	2.90	22.58	<=33.01	Pass	
75	0		19.77	2.90	22.67	<=33.01	Pass		
2682.5	1		0	19.46	2.90	22.36	<=33.01	Pass	
			38	19.40	2.90	22.30	<=33.01	Pass	
			74	19.27	2.90	22.17	<=33.01	Pass	
	36		0	19.37	2.90	22.27	<=33.01	Pass	
			18	19.36	2.90	22.26	<=33.01	Pass	
			39	19.22	2.90	22.12	<=33.01	Pass	
	75		0	19.28	2.90	22.18	<=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	24.97	2.90	27.87	<=33.01	Pass
			50	24.90	2.90	27.80	<=33.01	Pass
			99	24.79	2.90	27.69	<=33.01	Pass
		50	0	23.85	2.90	26.75	<=33.01	Pass
			25	23.81	2.90	26.71	<=33.01	Pass
			50	23.81	2.90	26.71	<=33.01	Pass

		100	0	23.73	2.90	26.63	<=33.01	Pass
	2593	1	0	24.91	2.90	27.81	<=33.01	Pass
			50	25.20	2.90	28.10	<=33.01	Pass
			99	24.51	2.90	27.41	<=33.01	Pass
		50	0	23.79	2.90	26.69	<=33.01	Pass
			25	23.74	2.90	26.64	<=33.01	Pass
			50	23.56	2.90	26.46	<=33.01	Pass
	100	0	23.73	2.90	26.63	<=33.01	Pass	
	2680	1	0	24.50	2.90	27.40	<=33.01	Pass
			50	24.35	2.90	27.25	<=33.01	Pass
			99	24.20	2.90	27.10	<=33.01	Pass
		50	0	23.45	2.90	26.35	<=33.01	Pass
			25	23.44	2.90	26.34	<=33.01	Pass
			50	23.28	2.90	26.18	<=33.01	Pass
	100	0	23.41	2.90	26.31	<=33.01	Pass	
	16QAM	2506	1	0	24.13	2.90	27.03	<=33.01
50				24.14	2.90	27.04	<=33.01	Pass
99				24.03	2.90	26.93	<=33.01	Pass
50			0	22.86	2.90	25.76	<=33.01	Pass
			25	22.80	2.90	25.70	<=33.01	Pass
			50	22.83	2.90	25.73	<=33.01	Pass
100		0	22.76	2.90	25.66	<=33.01	Pass	
2593		1	0	24.06	2.90	26.96	<=33.01	Pass
			50	23.99	2.90	26.89	<=33.01	Pass
			99	23.78	2.90	26.68	<=33.01	Pass
		50	0	22.81	2.90	25.71	<=33.01	Pass
			25	22.82	2.90	25.72	<=33.01	Pass
			50	22.60	2.90	25.50	<=33.01	Pass
100		0	22.74	2.90	25.64	<=33.01	Pass	
2680		1	0	23.73	2.90	26.63	<=33.01	Pass
			50	23.65	2.90	26.55	<=33.01	Pass
			99	23.46	2.90	26.36	<=33.01	Pass
		50	0	22.48	2.90	25.38	<=33.01	Pass
			25	22.45	2.90	25.35	<=33.01	Pass
			50	22.30	2.90	25.20	<=33.01	Pass
100		0	22.43	2.90	25.33	<=33.01	Pass	
64QAM		2506	1	0	23.89	2.90	26.79	<=33.01
	50			23.95	2.90	26.85	<=33.01	Pass
	99			23.93	2.90	26.83	<=33.01	Pass
	50		0	22.87	2.90	25.77	<=33.01	Pass
			25	22.79	2.90	25.69	<=33.01	Pass
			50	22.80	2.90	25.70	<=33.01	Pass
	100	0	22.79	2.90	25.69	<=33.01	Pass	
	2593	1	0	23.91	2.90	26.81	<=33.01	Pass
			50	23.92	2.90	26.82	<=33.01	Pass
			99	23.68	2.90	26.58	<=33.01	Pass
		50	0	22.77	2.90	25.67	<=33.01	Pass
			25	22.76	2.90	25.66	<=33.01	Pass
			50	22.60	2.90	25.50	<=33.01	Pass
	100	0	22.71	2.90	25.61	<=33.01	Pass	
	2680	1	0	23.61	2.90	26.51	<=33.01	Pass
			50	23.57	2.90	26.47	<=33.01	Pass
			99	23.28	2.90	26.18	<=33.01	Pass
		50	0	22.47	2.90	25.37	<=33.01	Pass
			25	22.40	2.90	25.30	<=33.01	Pass
			50	22.32	2.90	25.22	<=33.01	Pass
	100	0	22.42	2.90	25.32	<=33.01	Pass	
	256QAM	2506	1	0	20.05	2.90	22.95	<=33.01
50				20.02	2.90	22.92	<=33.01	Pass

			99	19.87	2.90	22.77	<=33.01	Pass
		50	0	19.87	2.90	22.77	<=33.01	Pass
			25	19.82	2.90	22.72	<=33.01	Pass
			50	19.77	2.90	22.67	<=33.01	Pass
		100	0	19.72	2.90	22.62	<=33.01	Pass
	2593	1	0	19.94	2.90	22.84	<=33.01	Pass
			50	19.88	2.90	22.78	<=33.01	Pass
			99	19.69	2.90	22.59	<=33.01	Pass
		50	0	19.81	2.90	22.71	<=33.01	Pass
			25	19.80	2.90	22.70	<=33.01	Pass
			50	19.66	2.90	22.56	<=33.01	Pass
		100	0	19.75	2.90	22.65	<=33.01	Pass
	2680	1	0	19.63	2.90	22.53	<=33.01	Pass
			50	19.66	2.90	22.56	<=33.01	Pass
			99	19.49	2.90	22.39	<=33.01	Pass
		50	0	19.47	2.90	22.37	<=33.01	Pass
			25	19.44	2.90	22.34	<=33.01	Pass
			50	19.38	2.90	22.28	<=33.01	Pass
		100	0	19.50	2.90	22.40	<=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	-0.800	-0.0003	-2.5 to 2.5	Pass
					NV	-1.800	-0.0007	-2.5 to 2.5	Pass
					HV	-1.300	-0.0005	-2.5 to 2.5	Pass
				-30	NV	0.500	0.0002	-2.5 to 2.5	Pass
				-20	NV	0.100	0.0000	-2.5 to 2.5	Pass
				-10	NV	0.100	0.0000	-2.5 to 2.5	Pass
				0	NV	-0.200	-0.0001	-2.5 to 2.5	Pass
				10	NV	0.400	0.0002	-2.5 to 2.5	Pass
				30	NV	0.000	0.0000	-2.5 to 2.5	Pass
				40	NV	0.100	0.0000	-2.5 to 2.5	Pass
				50	NV	-2.800	-0.0011	-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	4.570	/	Pass
	16QAM	2593	25	0	4.558	/	Pass
10	QPSK	2593	50	0	9.081	/	Pass

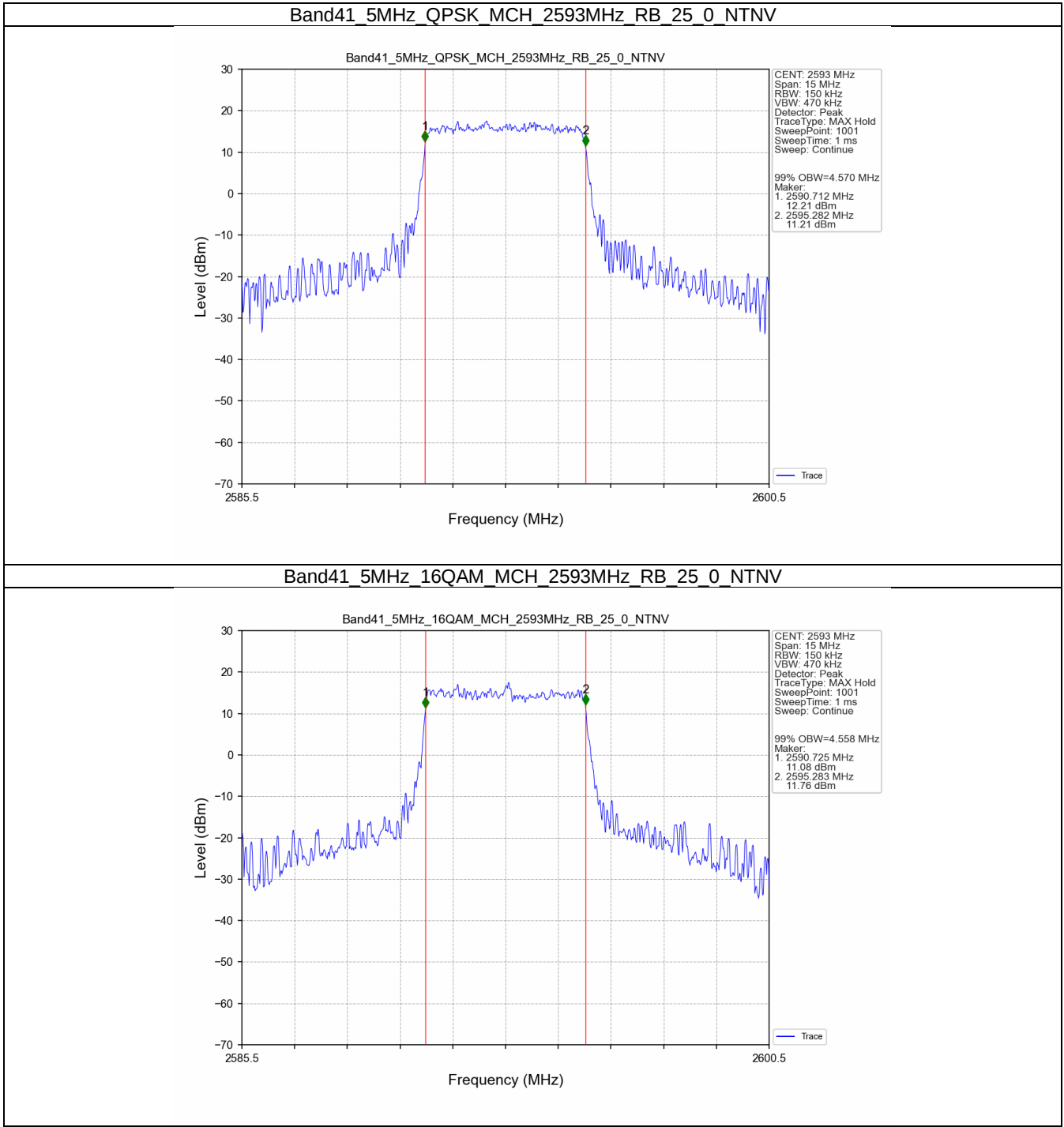
	16QAM	2593	50	0	9.126	/	Pass
15	QPSK	2593	75	0	13.640	/	Pass
	16QAM	2593	75	0	13.623	/	Pass
20	QPSK	2593	100	0	18.212	/	Pass
	16QAM	2593	100	0	18.162	/	Pass

3.1.2 Band41_XDB

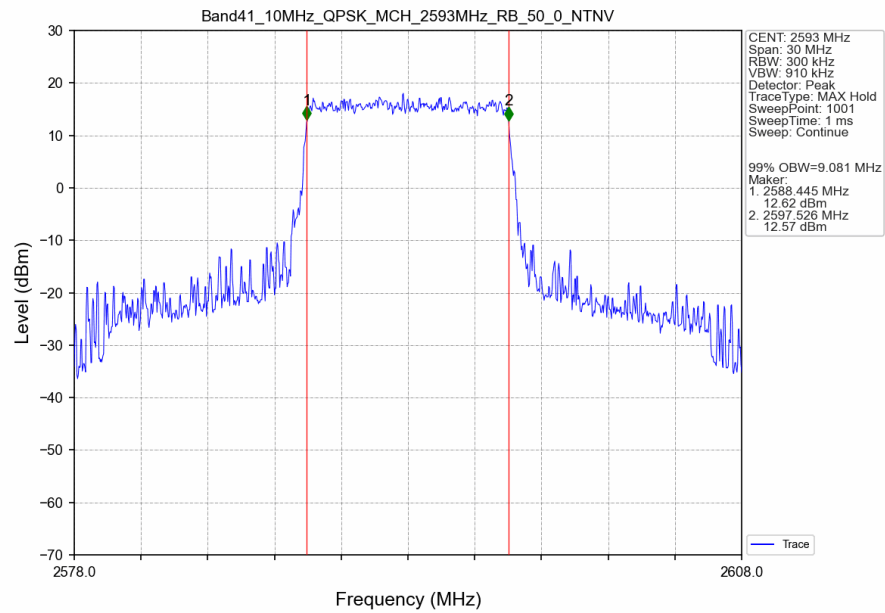
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	5.659	/	Pass
	16QAM	2593	25	0	5.203	/	Pass
10	QPSK	2593	50	0	10.266	/	Pass
	16QAM	2593	50	0	10.655	/	Pass
15	QPSK	2593	75	0	15.392	/	Pass
	16QAM	2593	75	0	18.140	/	Pass
20	QPSK	2593	100	0	21.036	/	Pass
	16QAM	2593	100	0	21.761	/	Pass

3.2 Test Graph

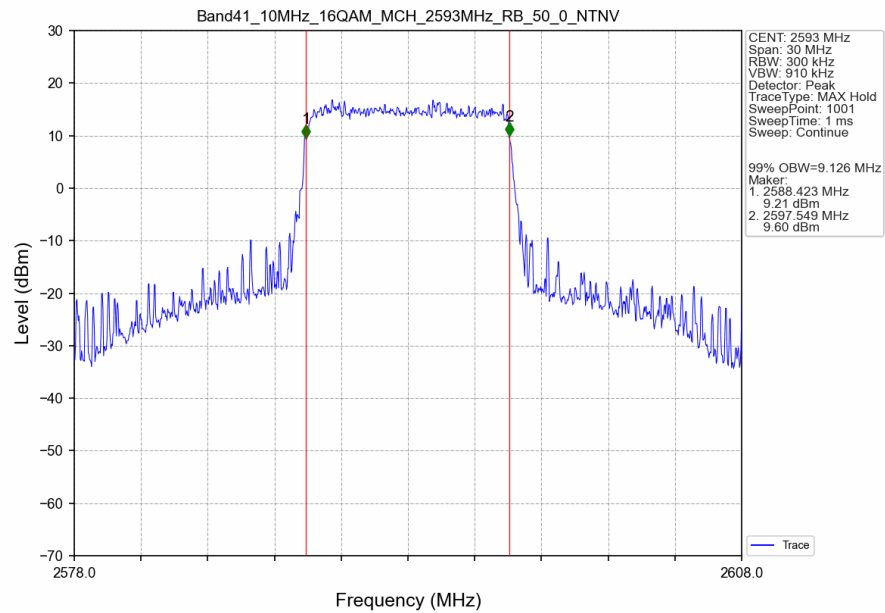
3.2.1 Band41_OBW



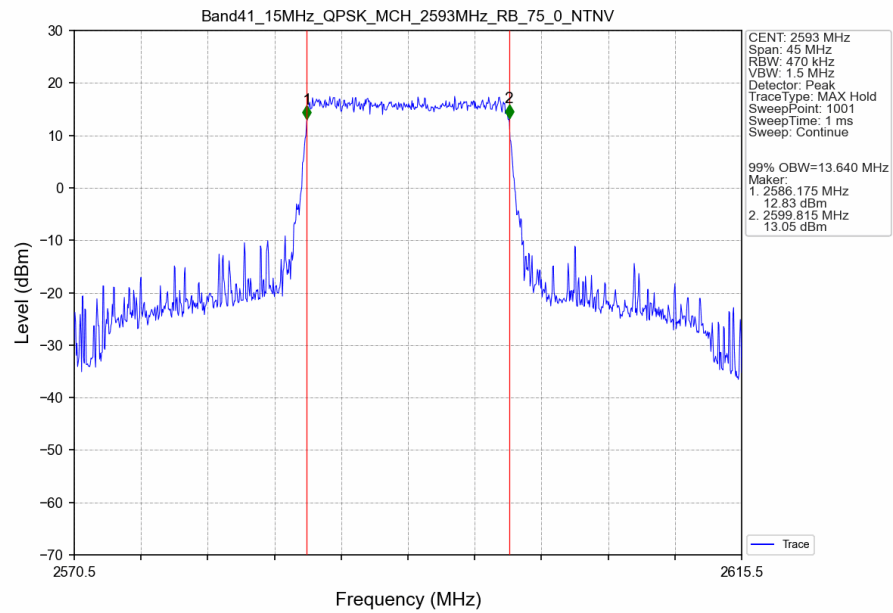
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTNV



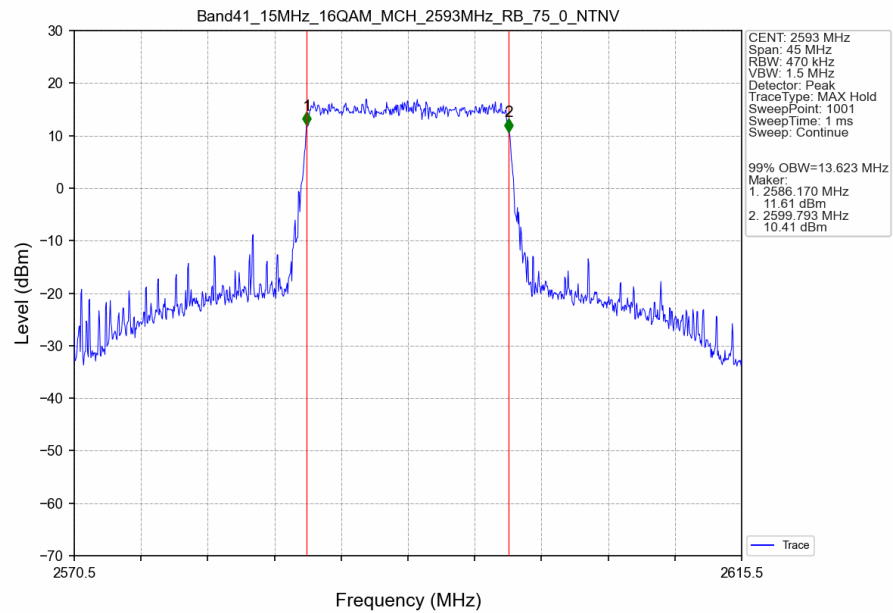
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



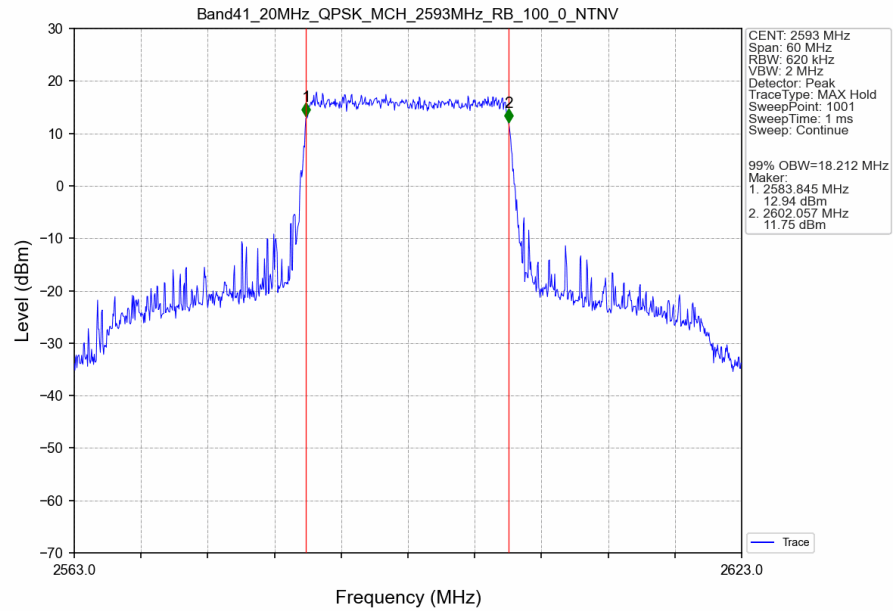
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



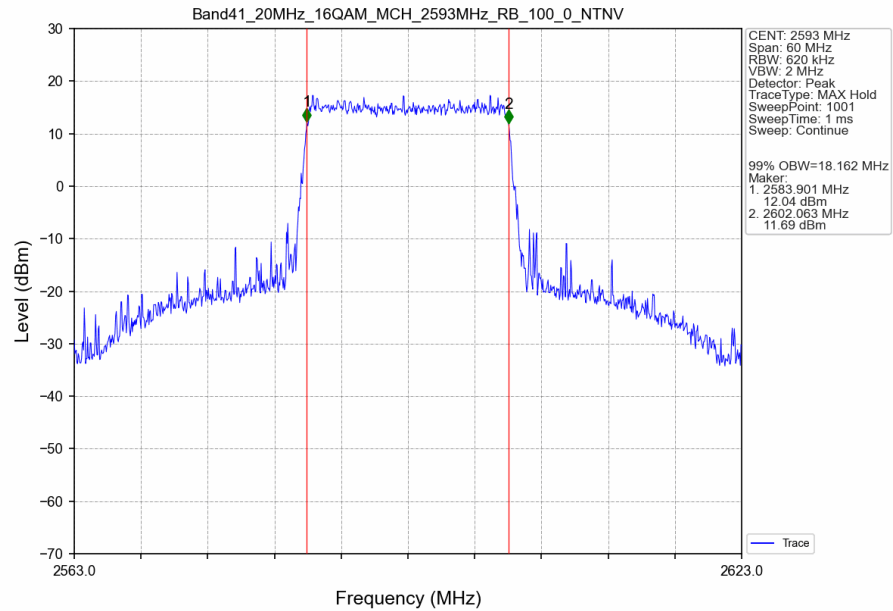
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



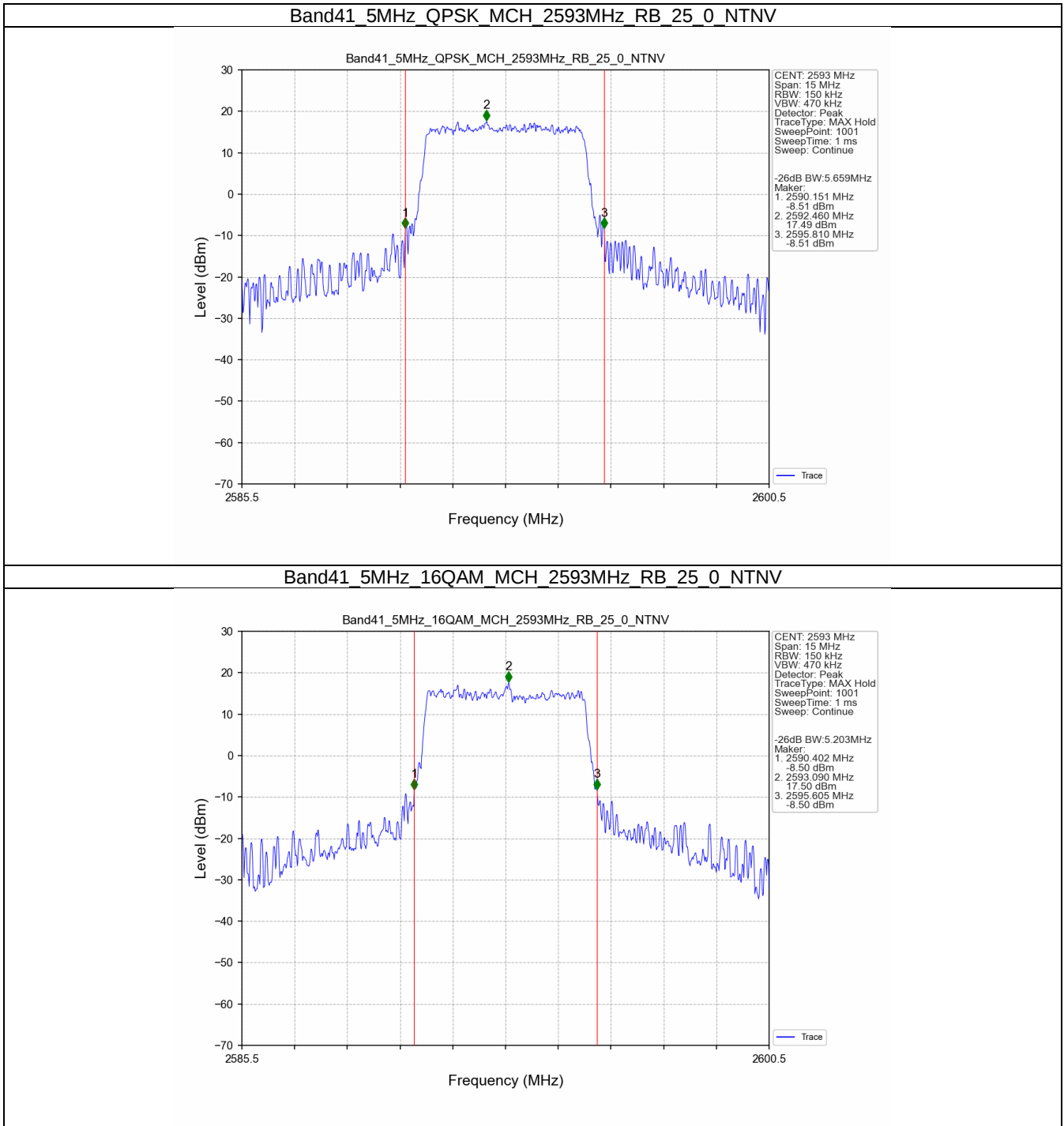
Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



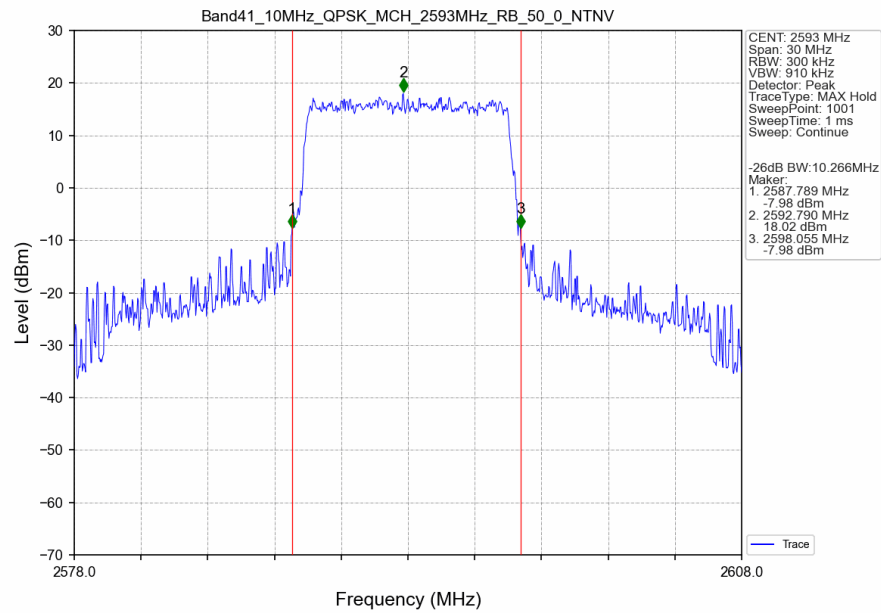
Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



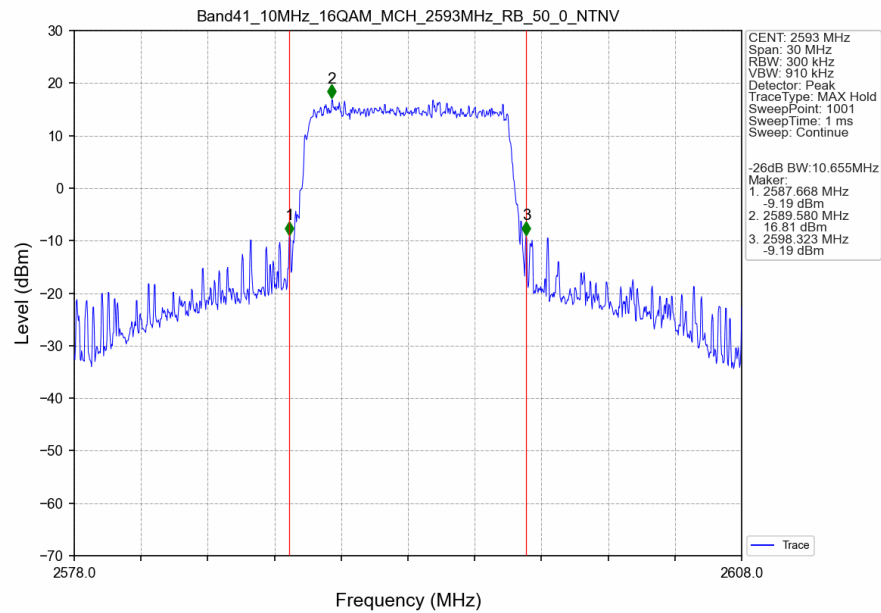
3.2.2 Band41_XDB



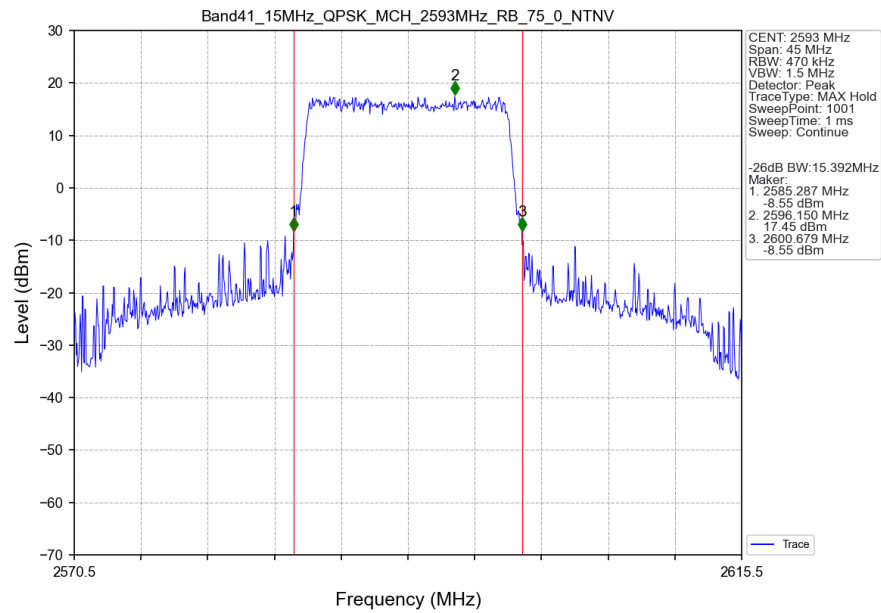
Band41 10MHz QPSK MCH 2593MHz RB 50 0 NTNV



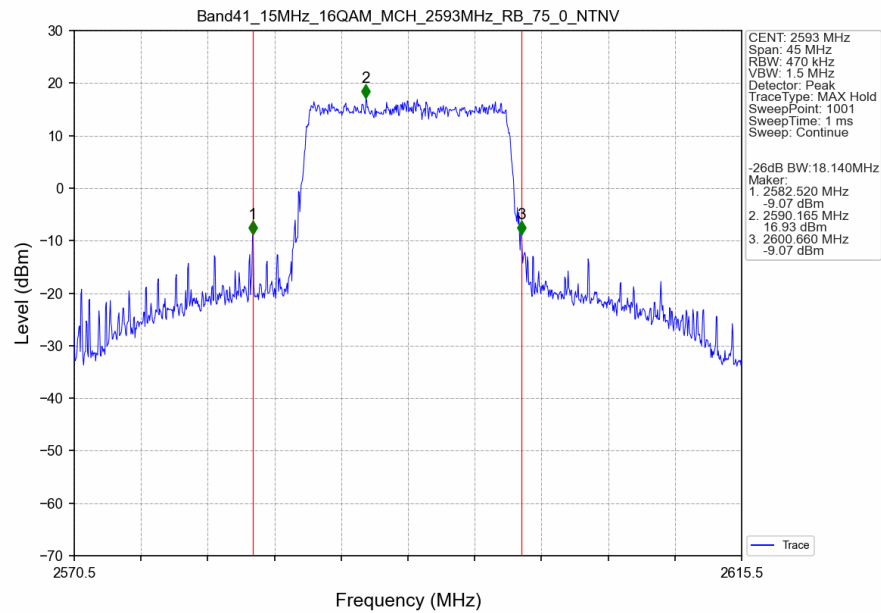
Band41 10MHz 16QAM MCH 2593MHz RB 50 0 NTNV



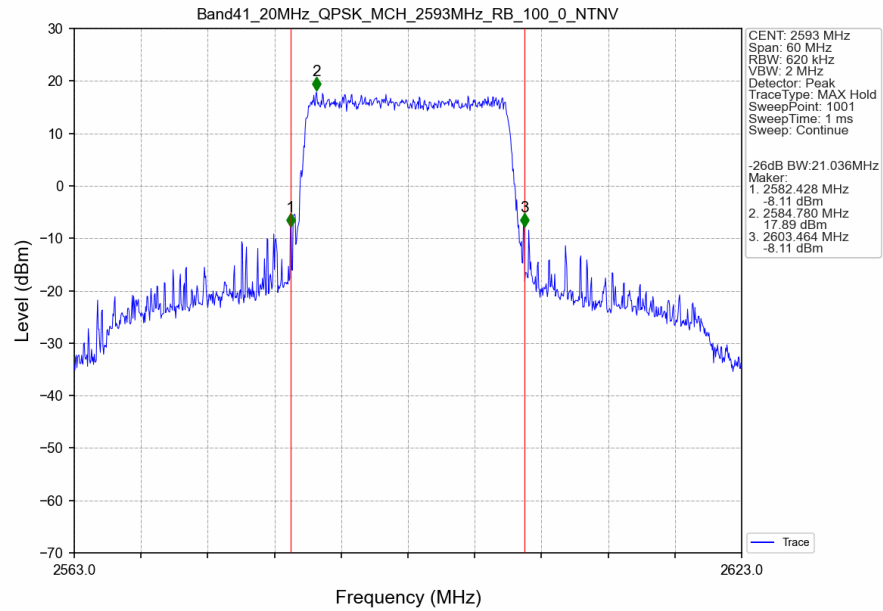
Band41 15MHz QPSK MCH 2593MHz RB 75 0 NTNV



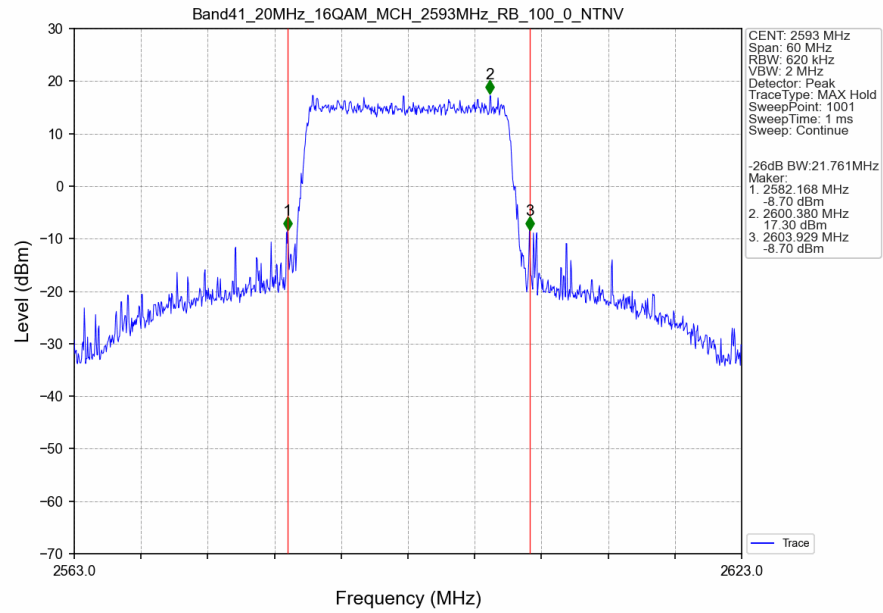
Band41 15MHz 16QAM MCH 2593MHz RB 75 0 NTNV



Band41 20MHz QPSK MCH 2593MHz RB 100 0 NTNV



Band41 20MHz 16QAM MCH 2593MHz RB 100 0 NTNV



4. Peak-Average Ratio

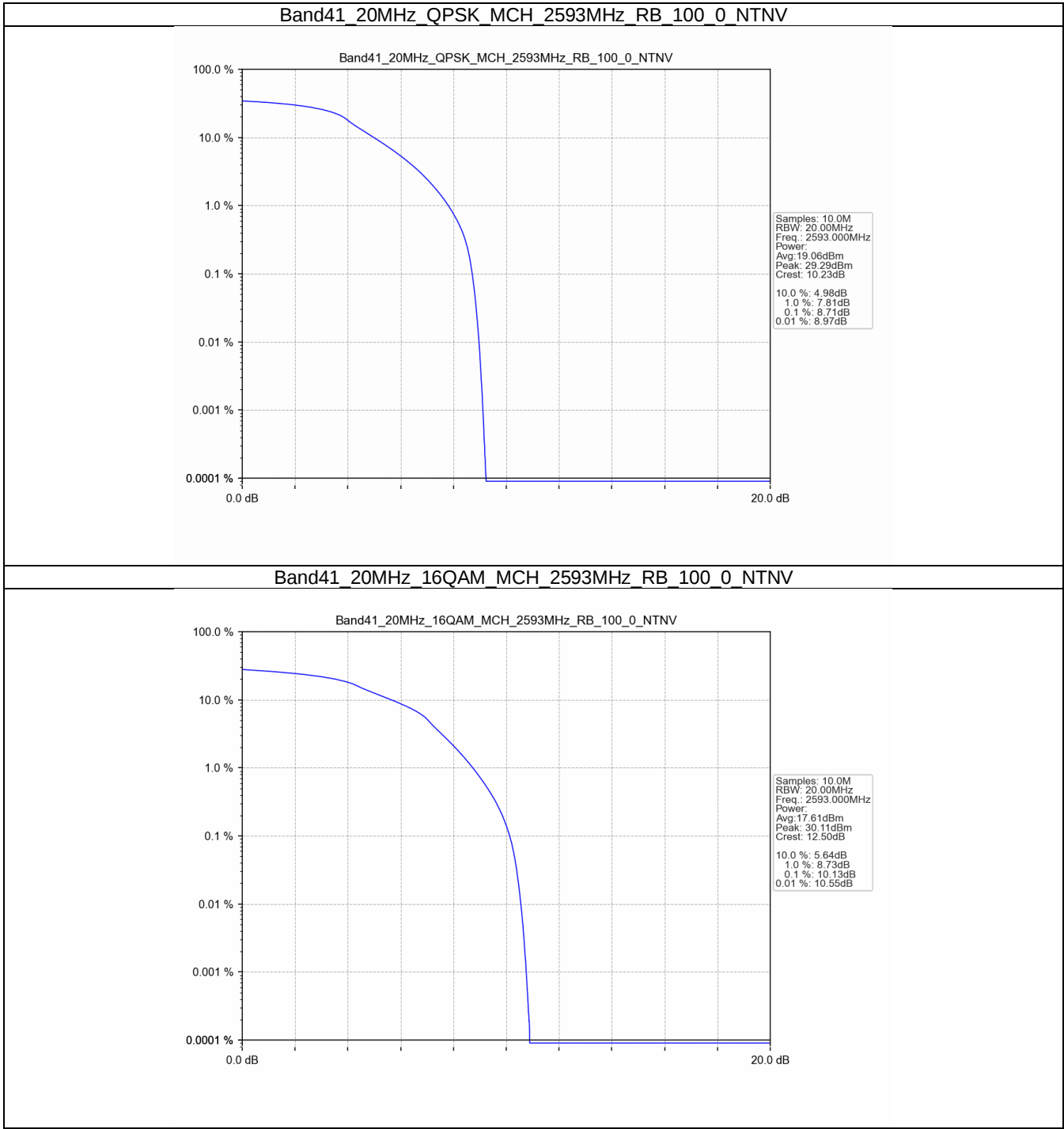
4.1 Test Result

4.1.1 B41_20MHz

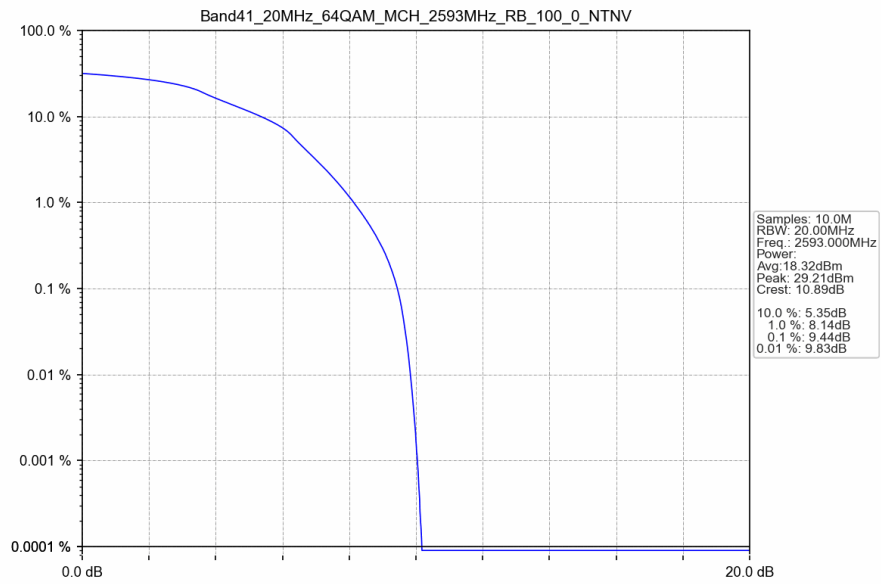
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	8.71	<=13	Pass
16QAM	2593	100	0	10.13	<=13	Pass
64QAM	2593	100	0	9.44	<=13	Pass
256QAM	2593	100	0	10.52	<=13	Pass

4.2 Test Graph

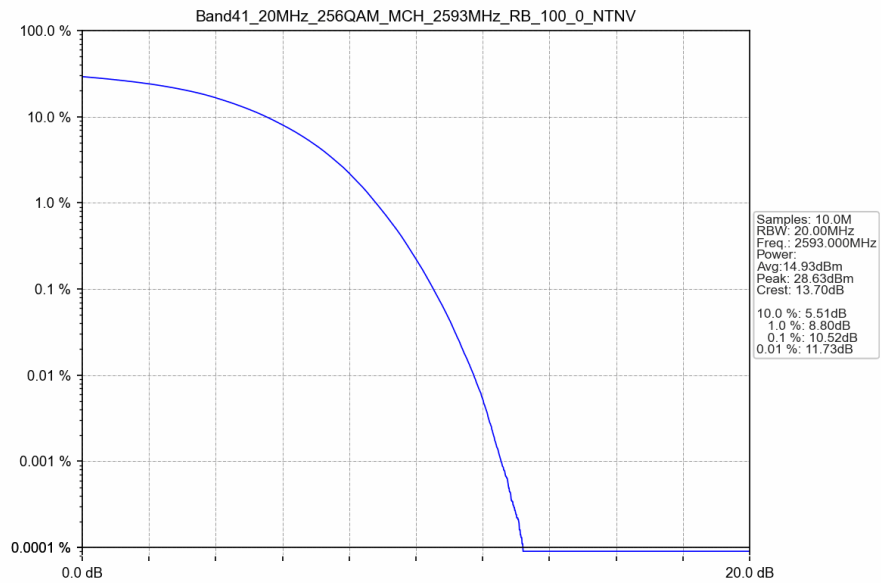
4.2.1 B41_20MHz



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

5.1.2 B41_10MHz

Band: 41 / Bandwidth: 10MHz / NTVN						
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

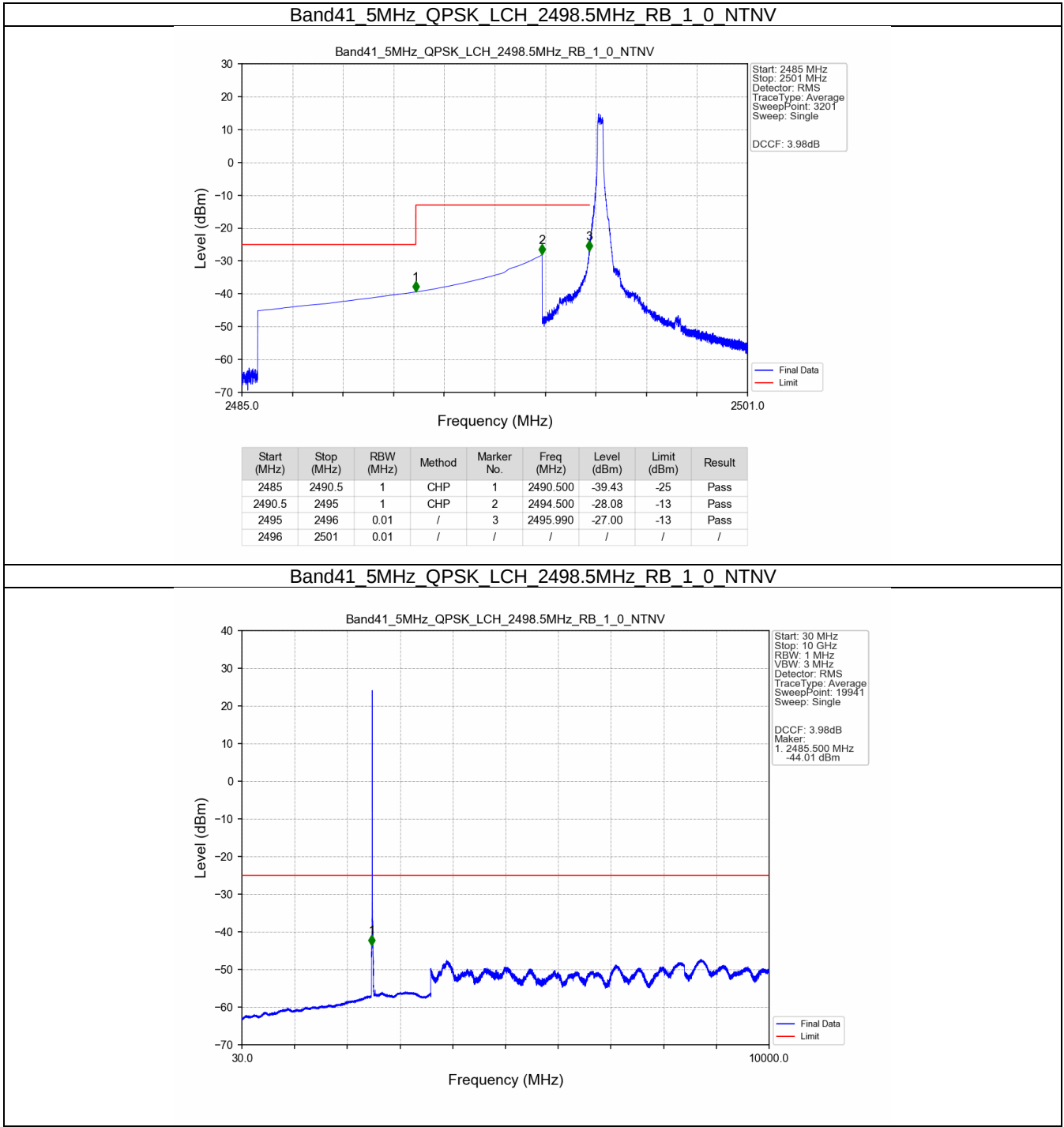
Band: 41 / Bandwidth: 15MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

5.1.4 B41_20MHz

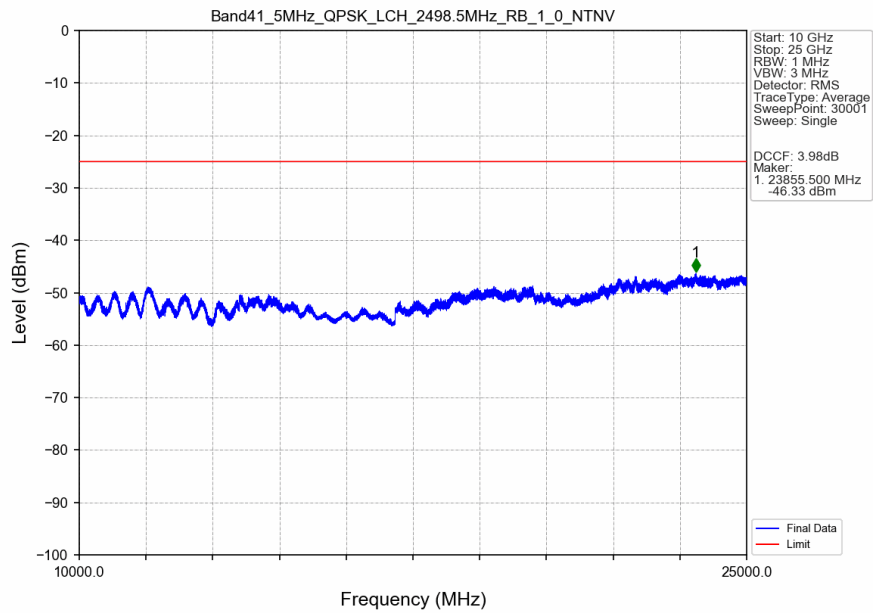
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

5.2 Test Graph

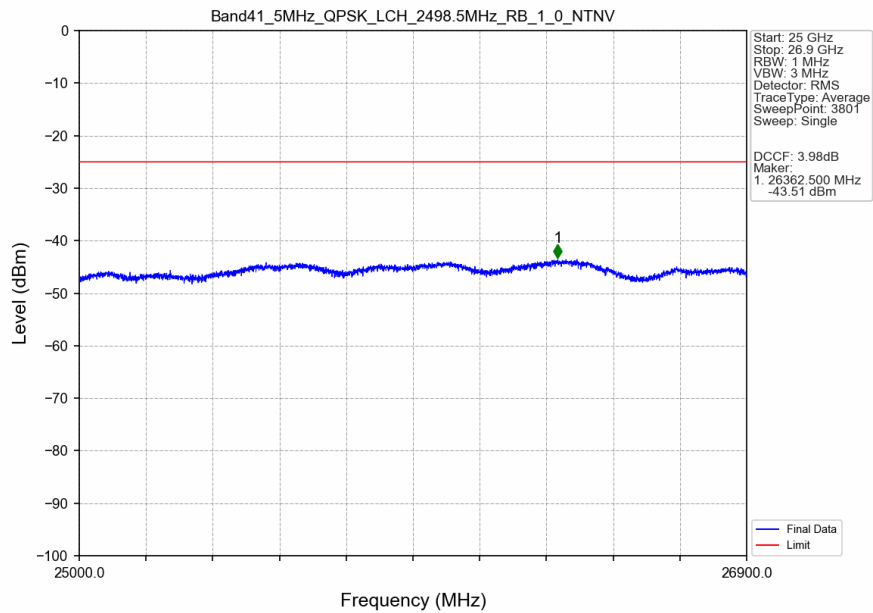
5.2.1 B41_5MHz



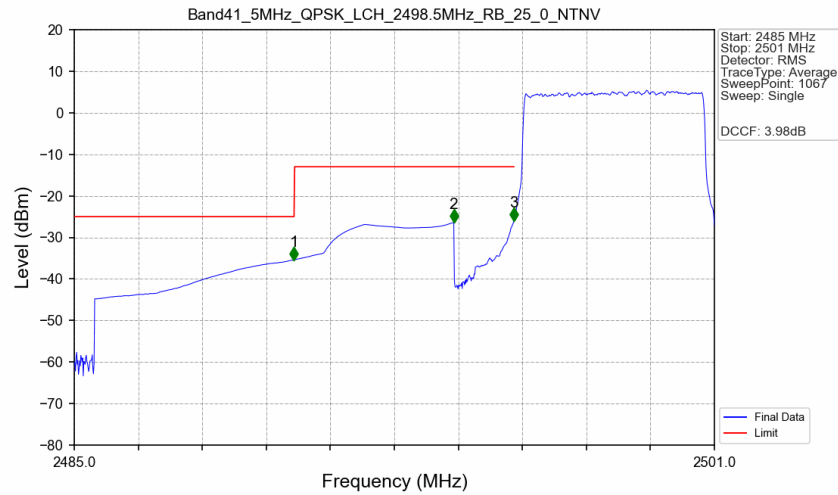
Band41 5MHz QPSK LCH 2498.5MHz RB 1 0 NTNV



Band41 5MHz QPSK LCH 2498.5MHz RB 1 0 NTNV

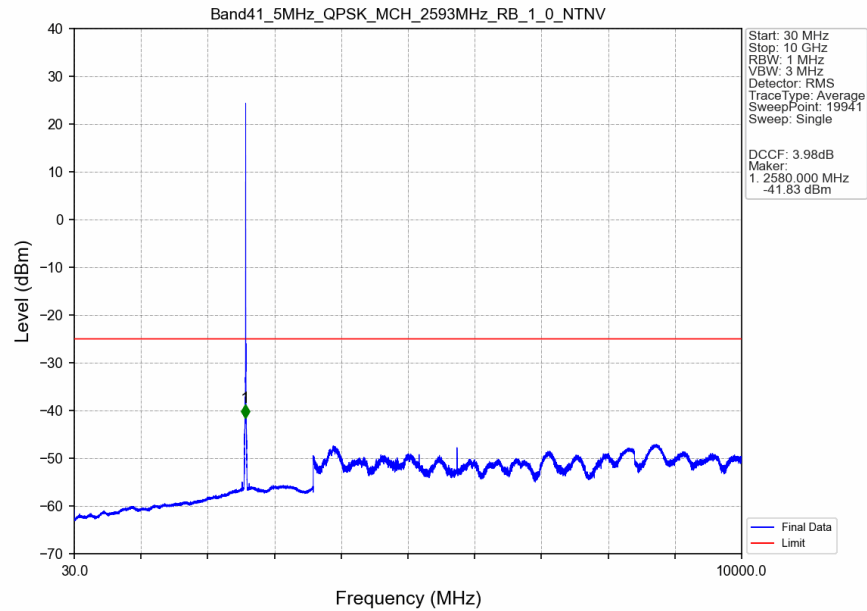


Band41 5MHz QPSK LCH 2498.5MHz RB 25 0 NTN

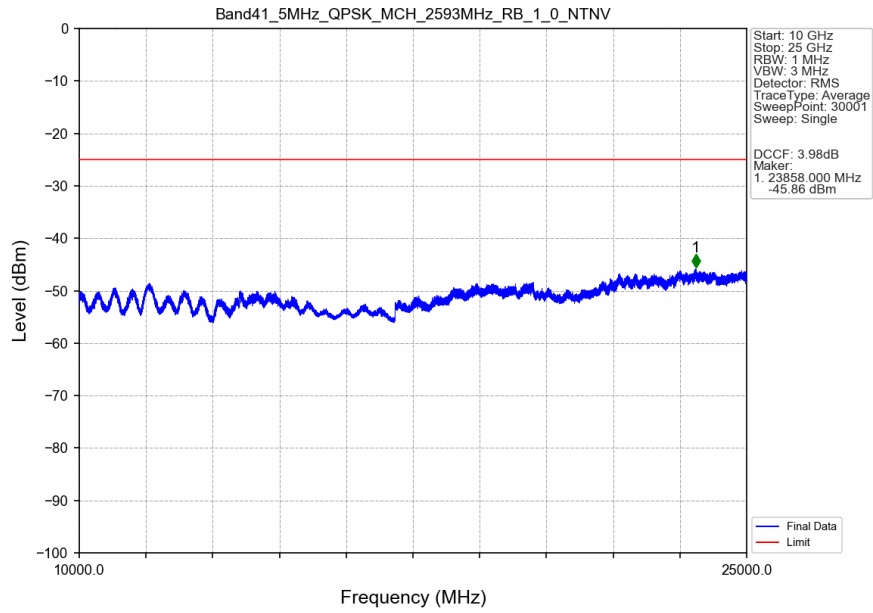


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-35.44	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-26.39	-13	Pass
2495	2496	0.052	CHP	3	2495.987	-25.99	-13	Pass
2496	2501	0.052	CHP	/	/	/	/	/

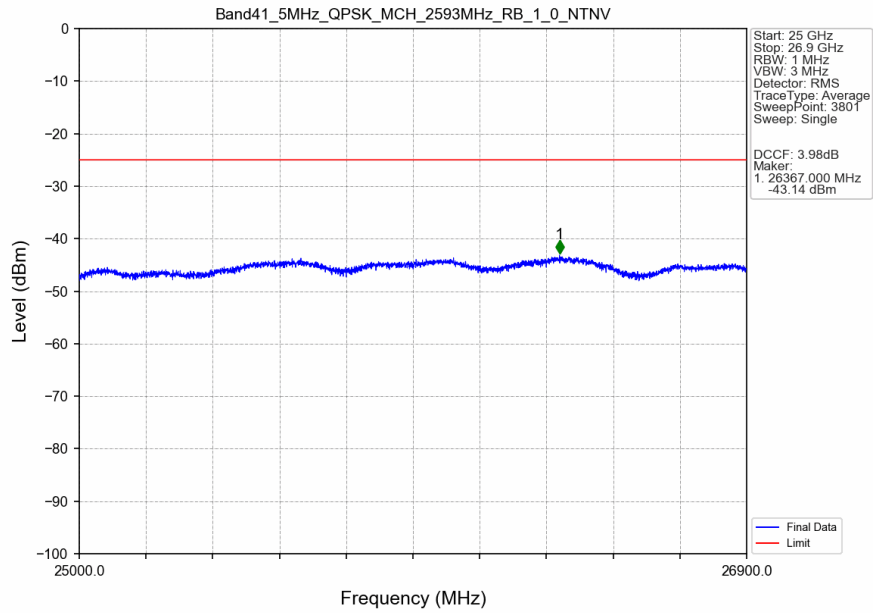
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTN



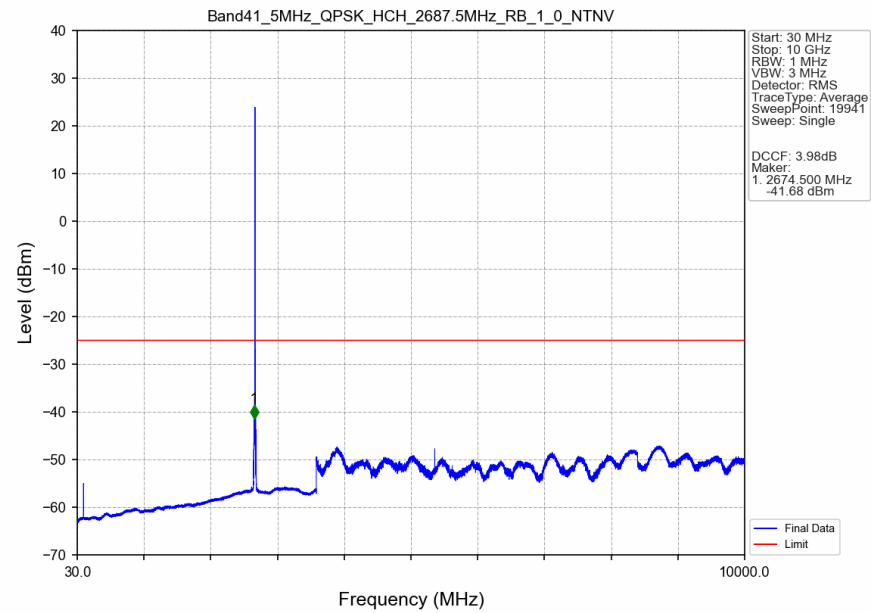
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTN



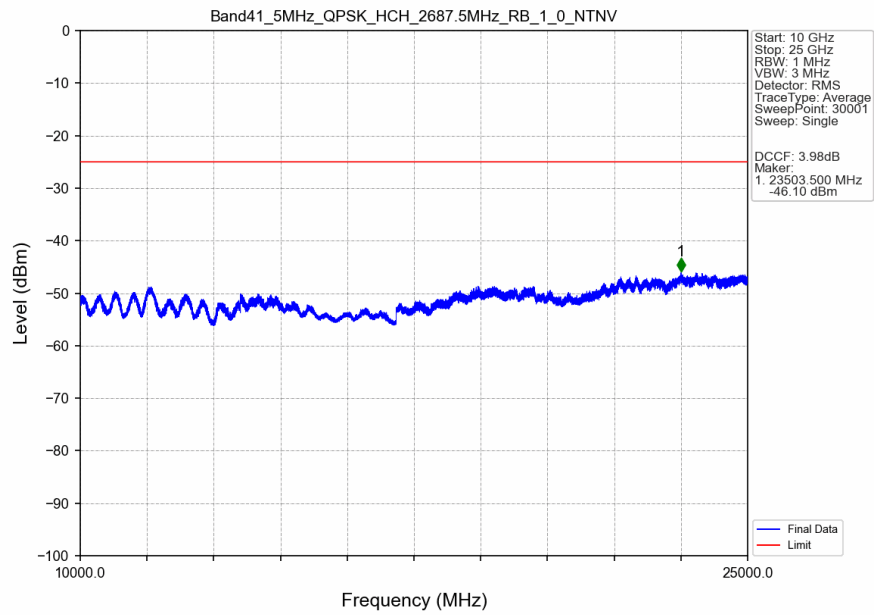
Band41 5MHz QPSK MCH 2593MHz RB 1 0 NTN



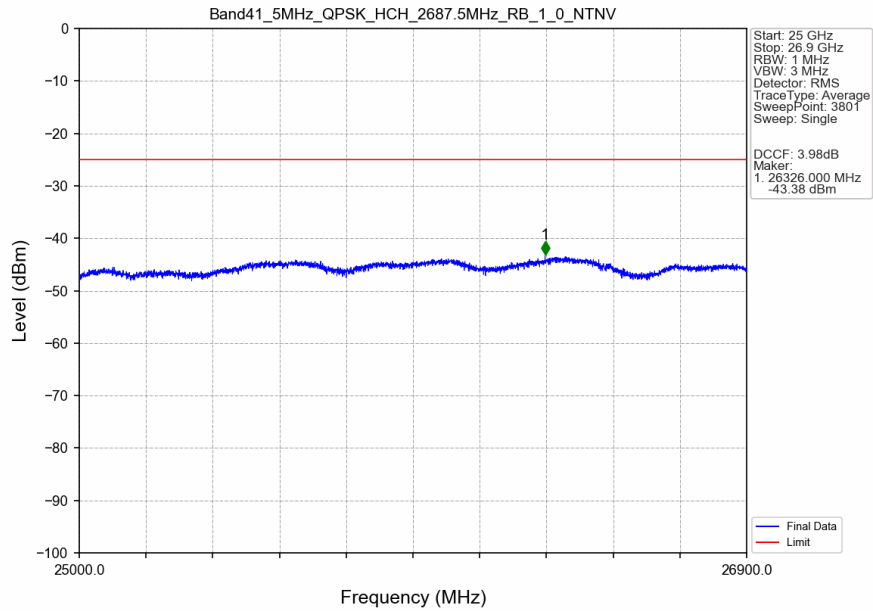
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



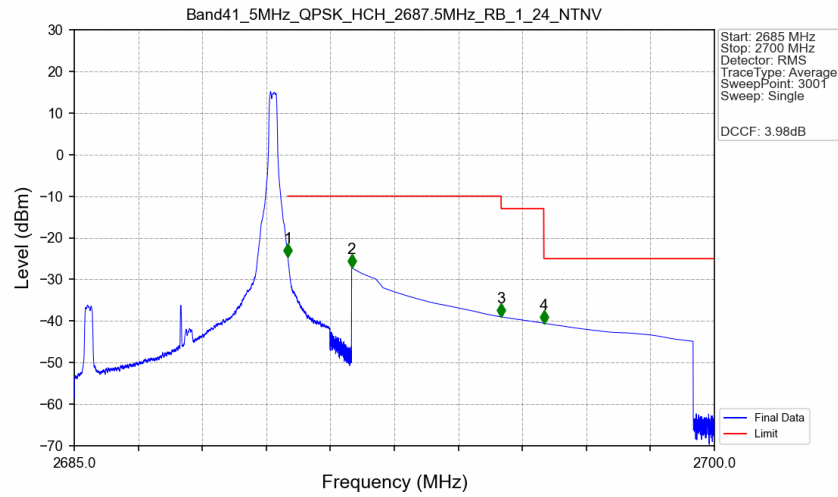
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41 5MHz QPSK HCH 2687.5MHz RB 1 0 NTNV

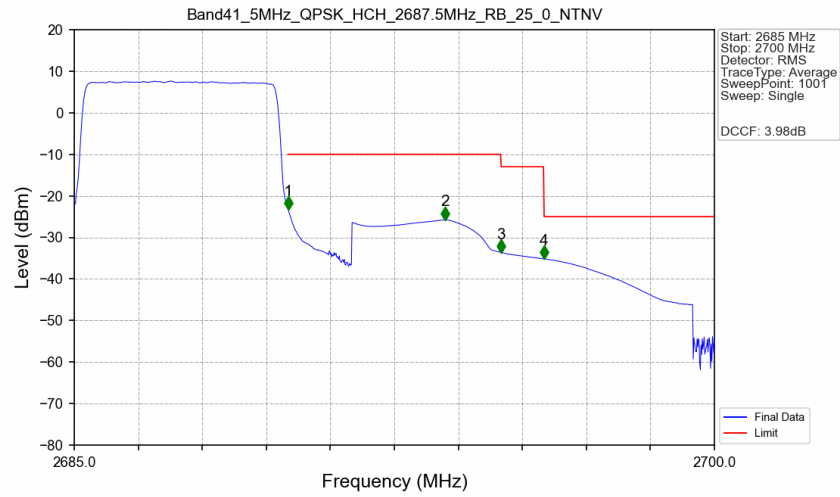


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



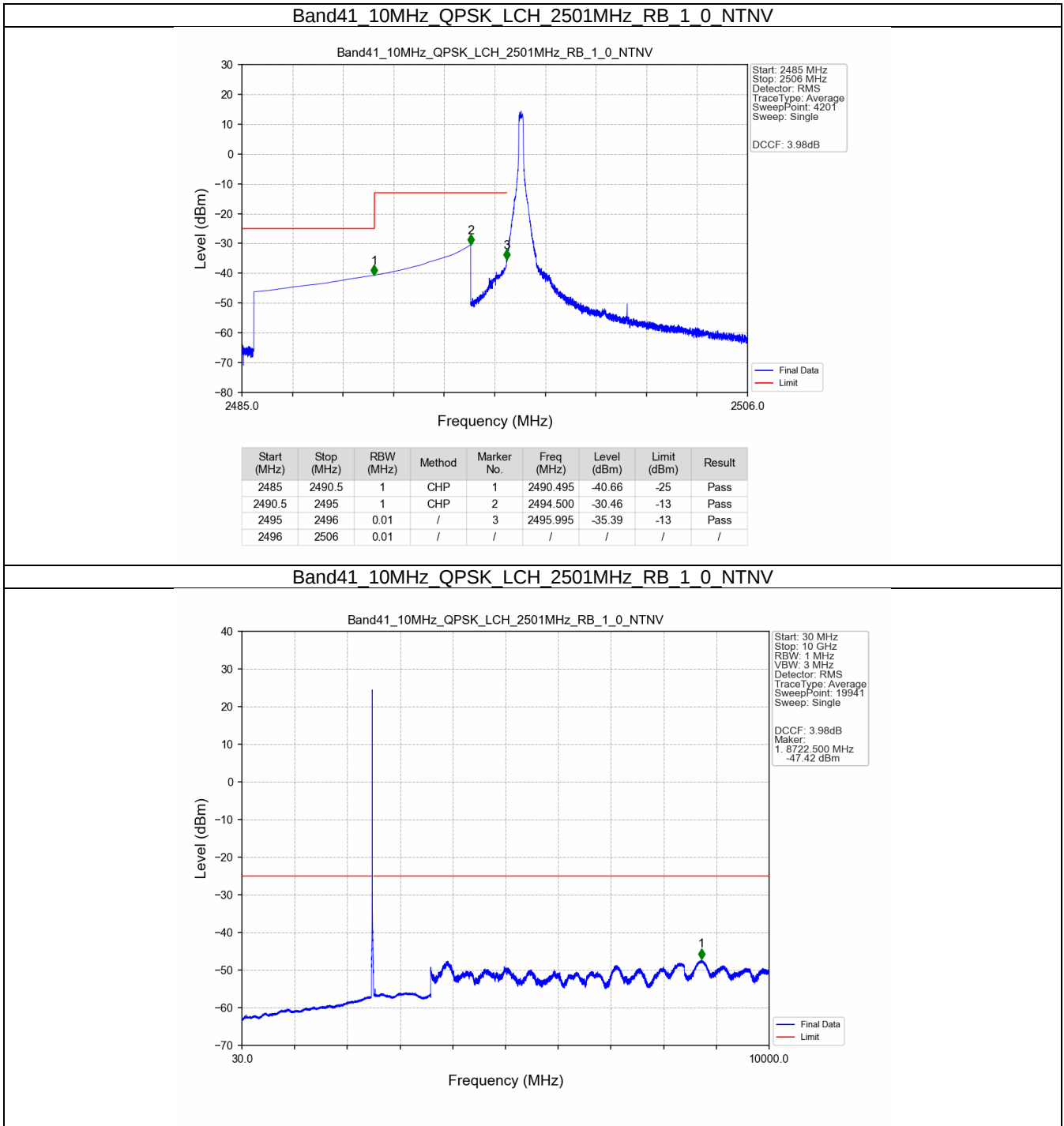
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-24.58	-10	Pass
2691	2695	1	CHP	2	2691.500	-27.20	-10	Pass
2695	2696	1	CHP	3	2695.005	-39.01	-13	Pass
2696	2700	1	CHP	4	2696.005	-40.56	-25	Pass

Band41 5MHz QPSK HCH 2687.5MHz RB 25 0 NTV

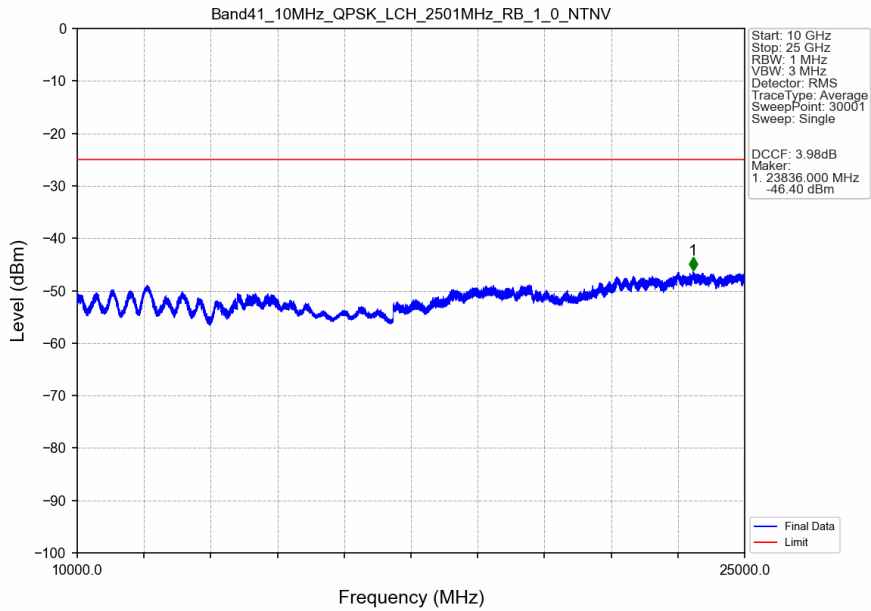


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.113	CHP	/	/	/	/	/
2690	2691	0.113	CHP	1	2690.010	-23.25	-10	Pass
2691	2695	1	CHP	2	2693.685	-25.76	-10	Pass
2695	2696	1	CHP	3	2695.005	-33.62	-13	Pass
2696	2700	1	CHP	4	2696.010	-35.18	-25	Pass

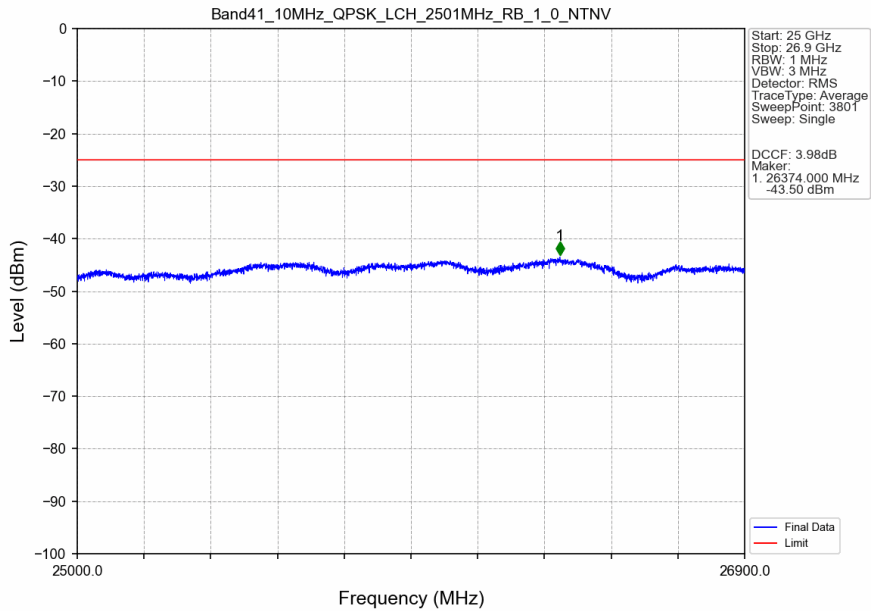
5.2.2 B41_10MHz



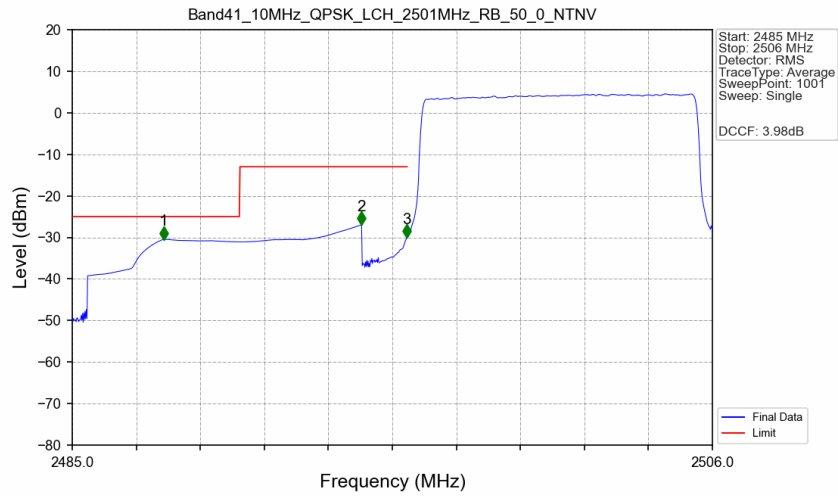
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

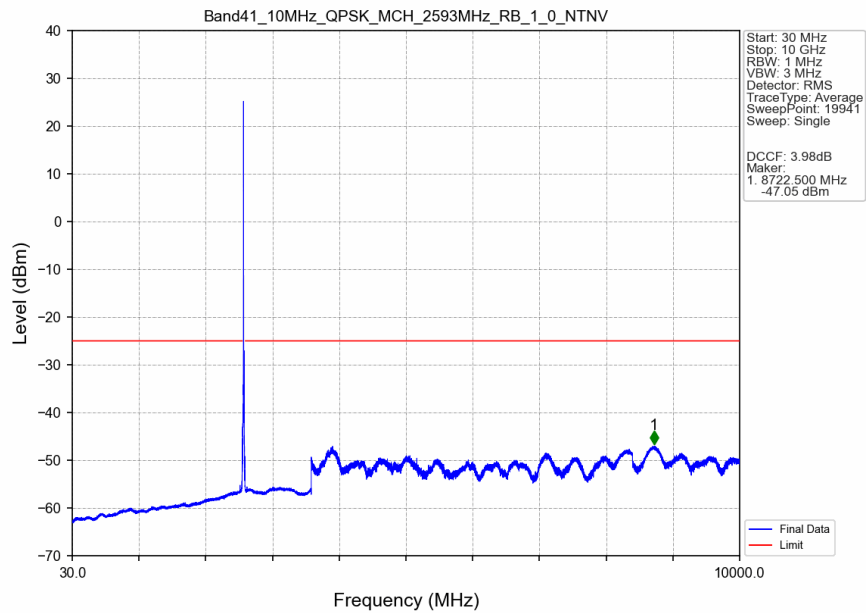


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

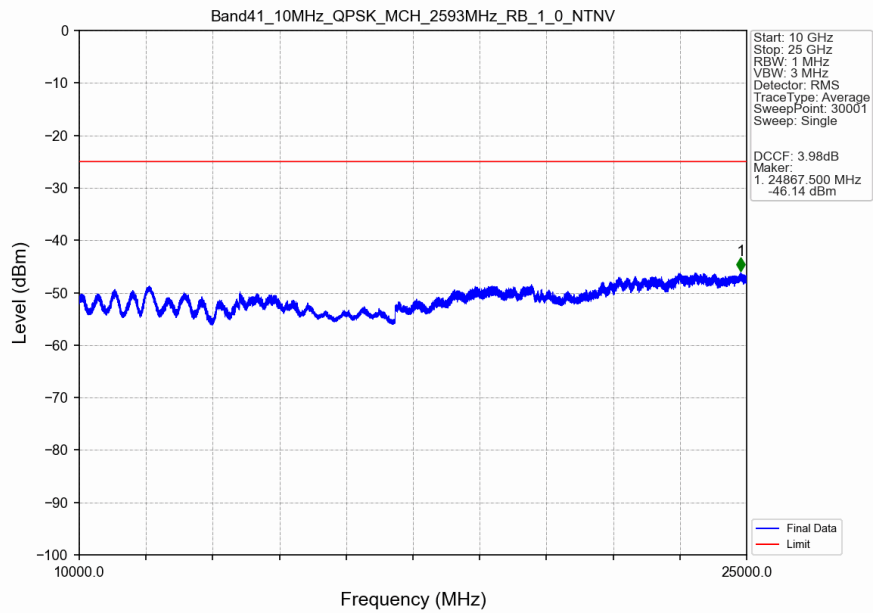


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.003	-30.49	-25	Pass
2490.5	2495	1	CHP	2	2494.492	-26.97	-13	Pass
2495	2496	0.103	CHP	3	2495.983	-30.10	-13	Pass
2496	2506	0.103	CHP	/	/	/	/	/

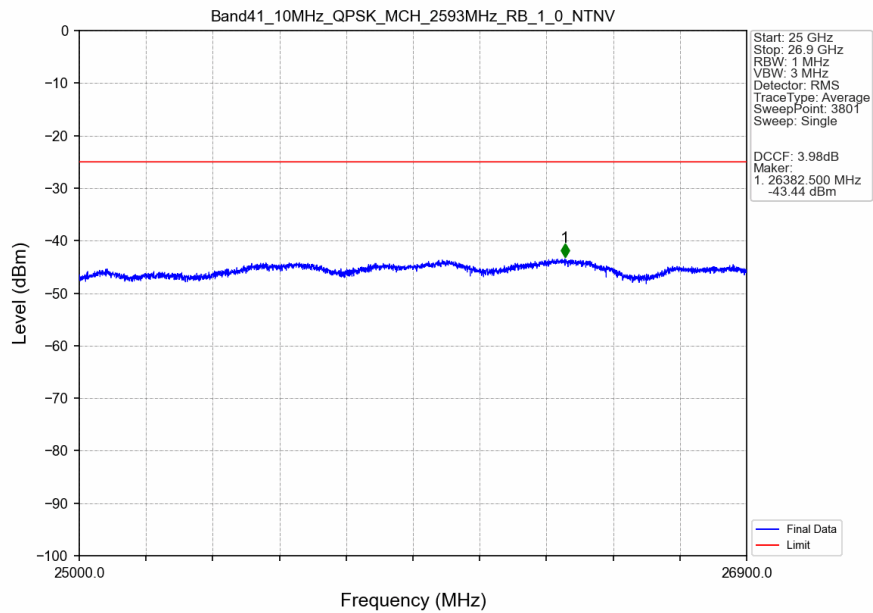
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



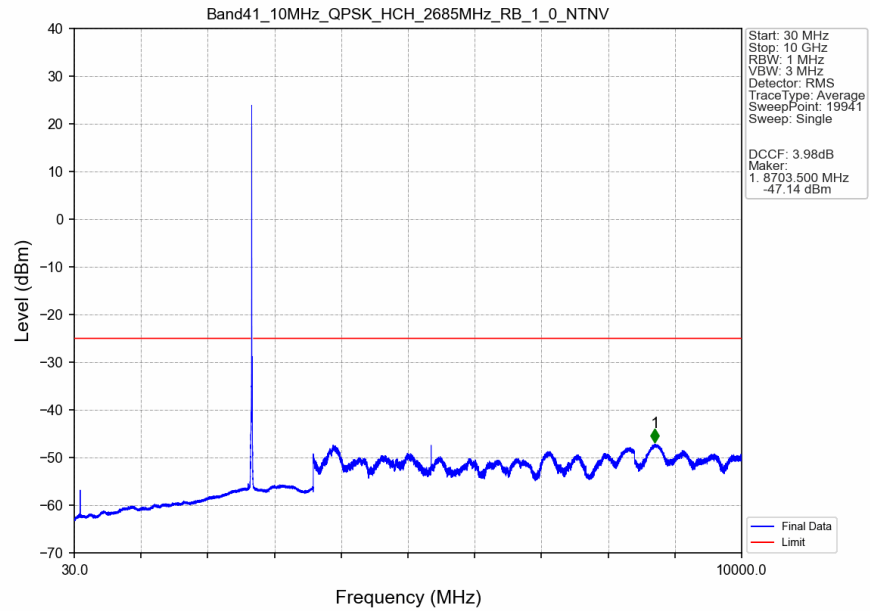
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



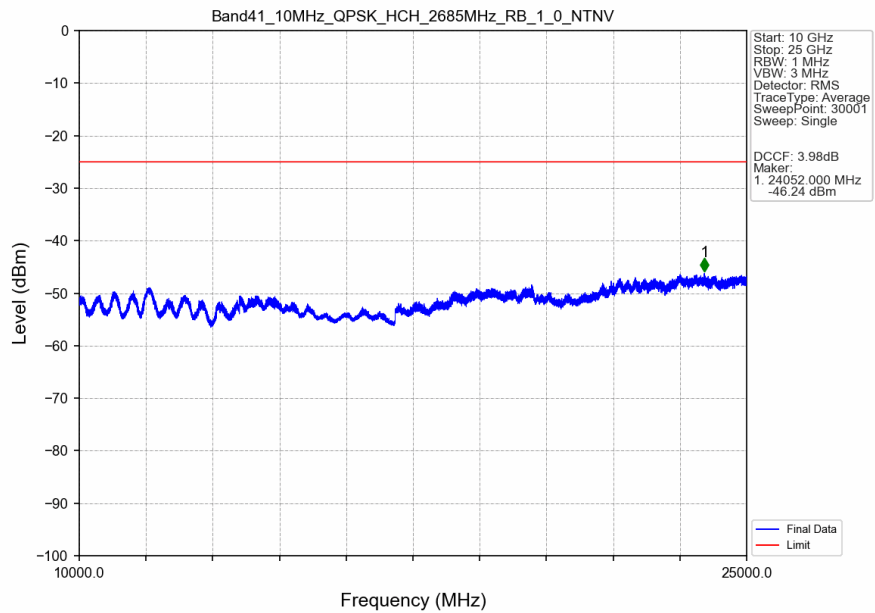
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



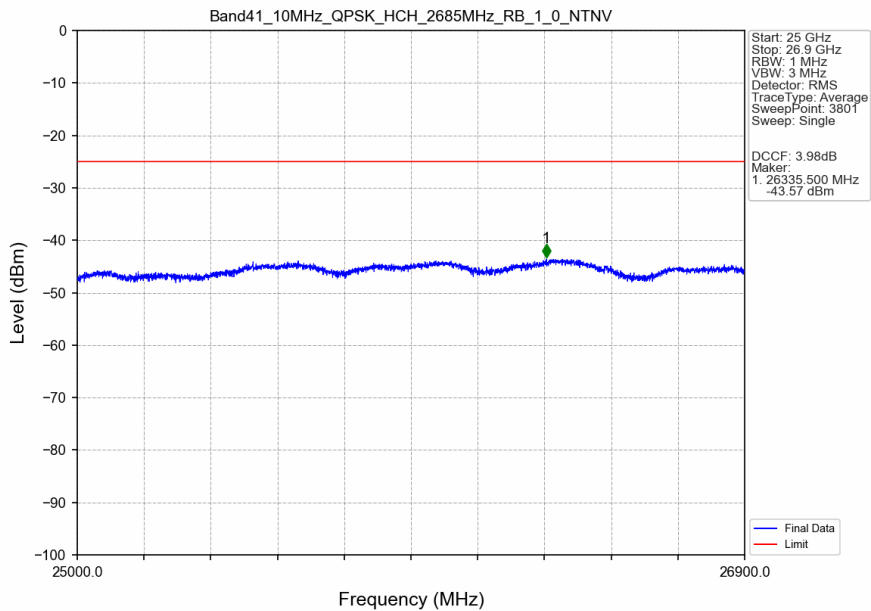
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



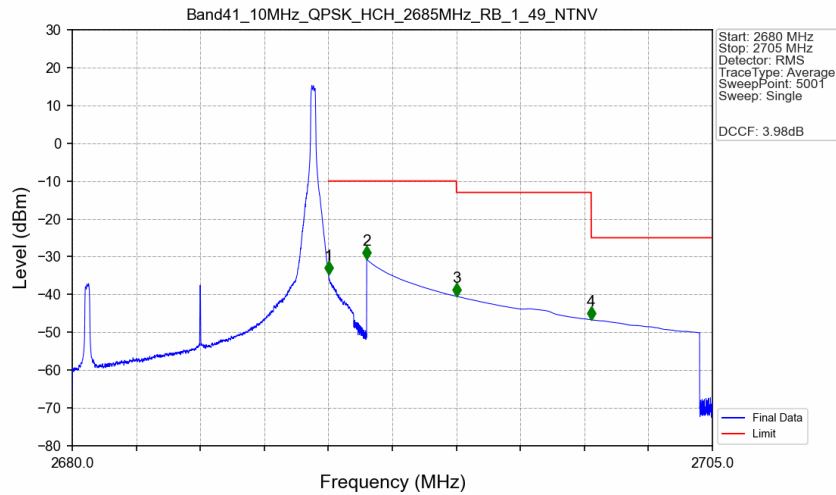
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

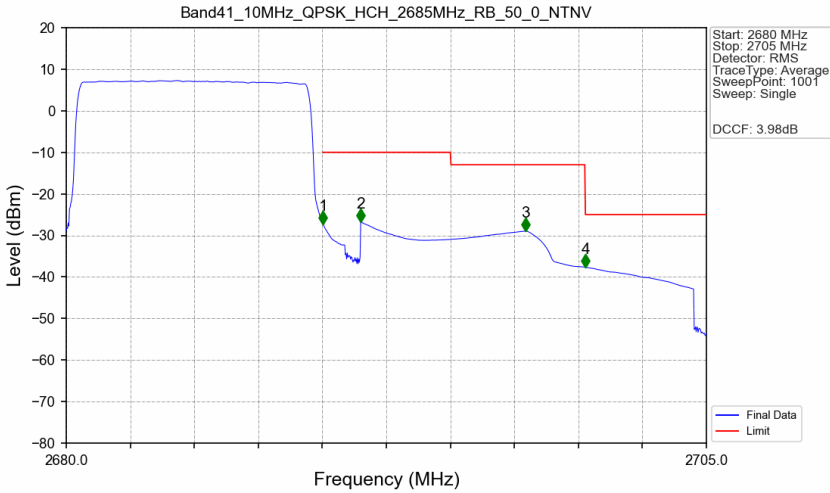


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



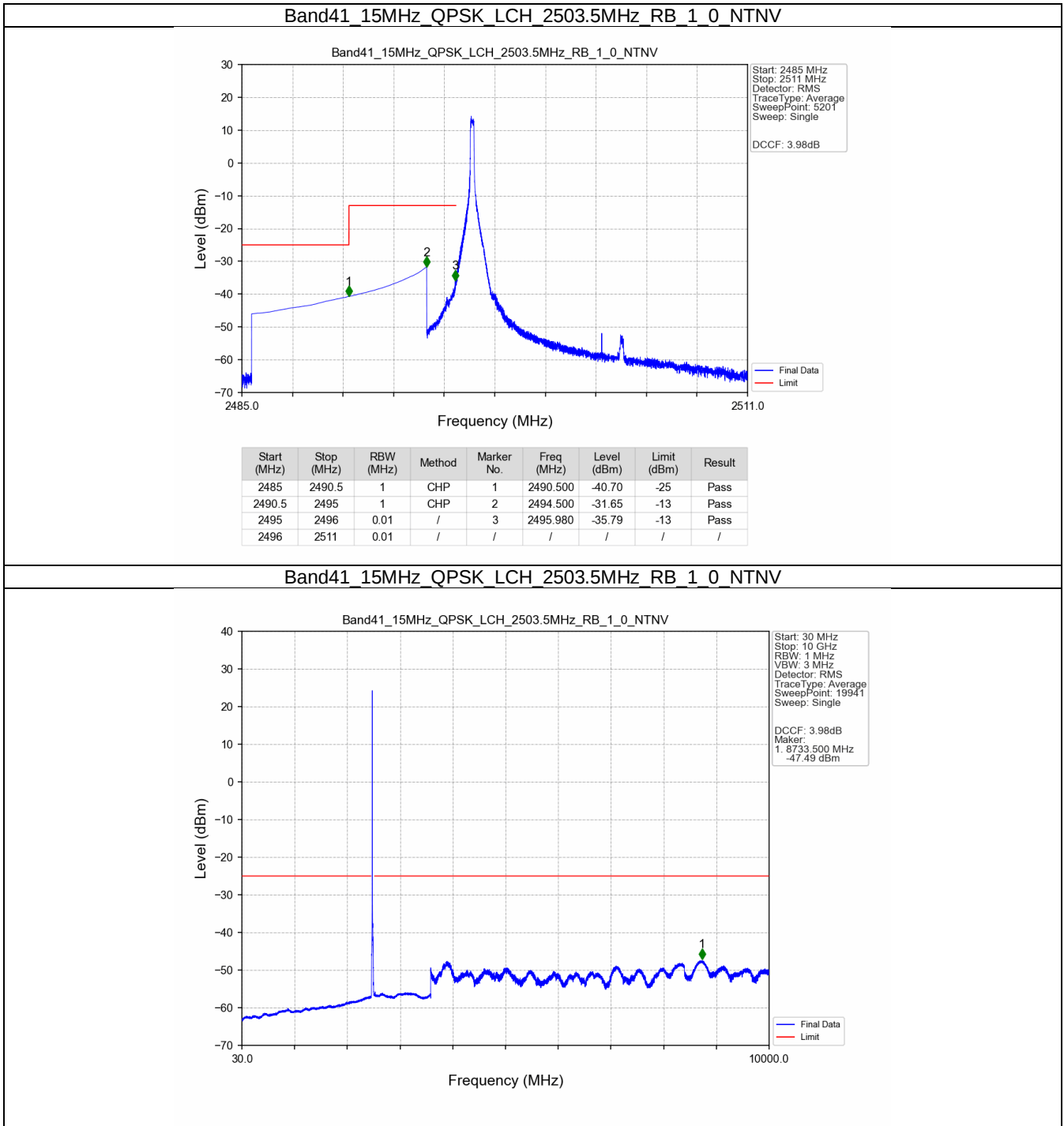
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-34.60	-10	Pass
2691	2695	1	CHP	2	2691.500	-30.72	-10	Pass
2695	2700.266	1	CHP	3	2695.005	-40.48	-13	Pass
2700.266	2705	1	CHP	4	2700.270	-46.70	-25	Pass

Band41 10MHz QPSK HCH 2685MHz RB 50 0 NTNV

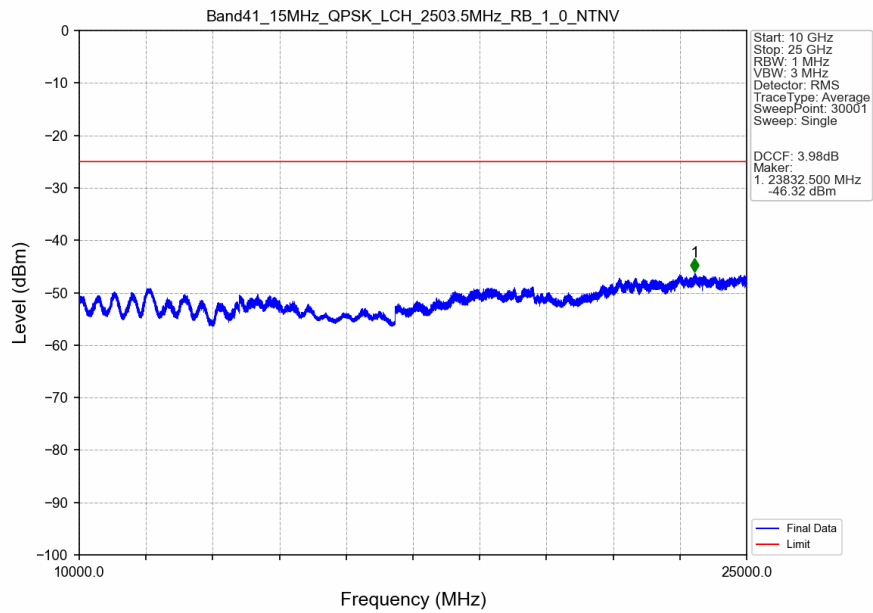


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.205	CHP	/	/	/	/	/
2690	2691	0.205	CHP	1	2690.025	-27.25	-10	Pass
2691	2695	1	CHP	2	2691.500	-26.75	-10	Pass
2695	2700.266	1	CHP	3	2697.925	-28.97	-13	Pass
2700.266	2705	1	CHP	4	2700.275	-37.70	-25	Pass

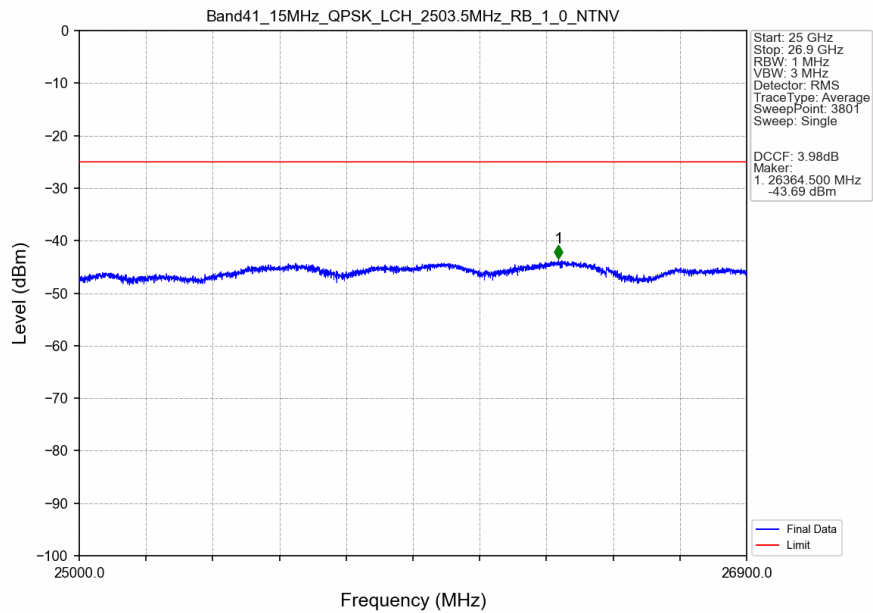
5.2.3 B41_15MHz



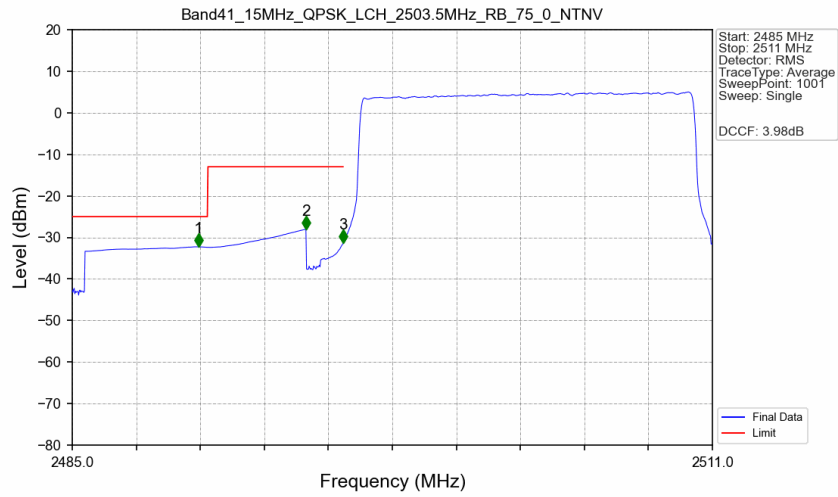
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

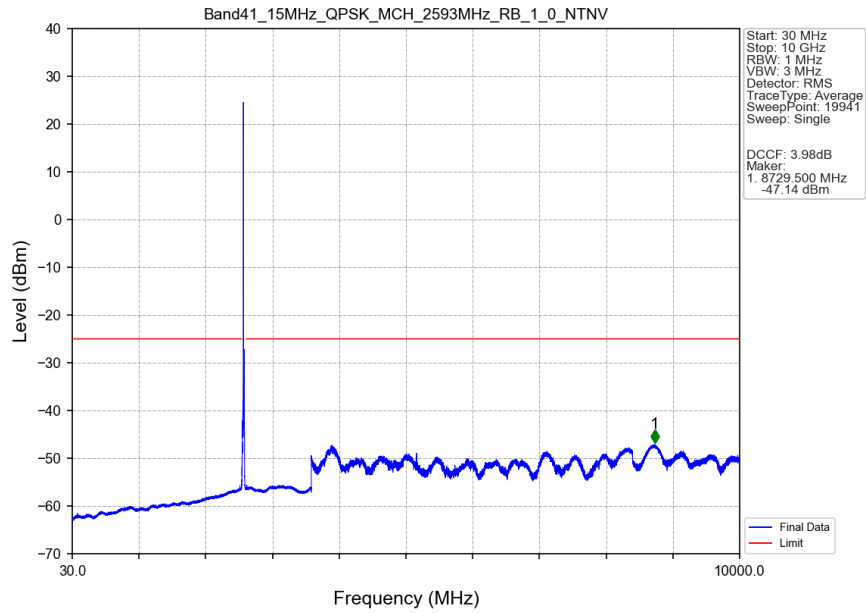


Band41 15MHz QPSK LCH 2503.5MHz RB 75 0 NTNV

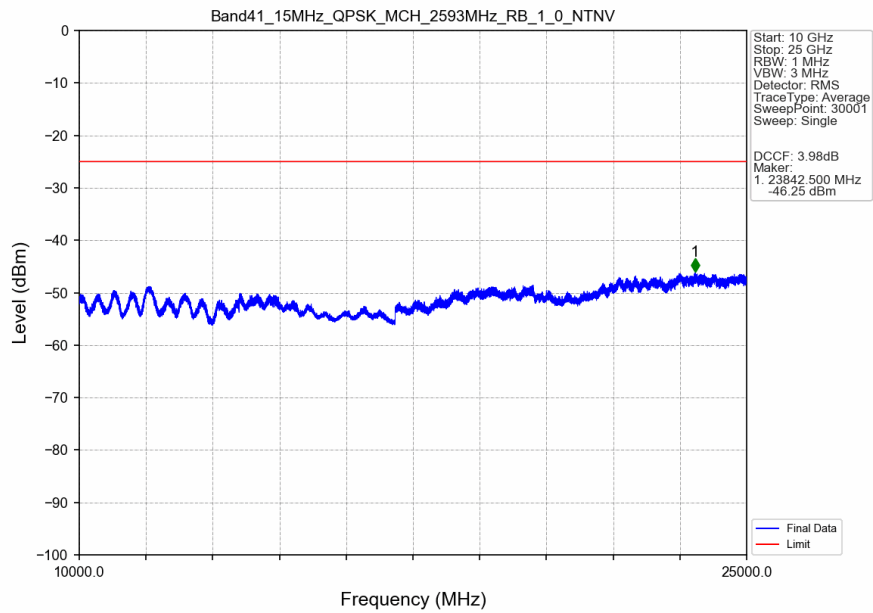


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.122	-32.25	-25	Pass
2490.5	2495	1	CHP	2	2494.490	-28.03	-13	Pass
2495	2496	0.154	CHP	3	2495.998	-31.32	-13	Pass
2496	2511	0.154	CHP	/	/	/	/	/

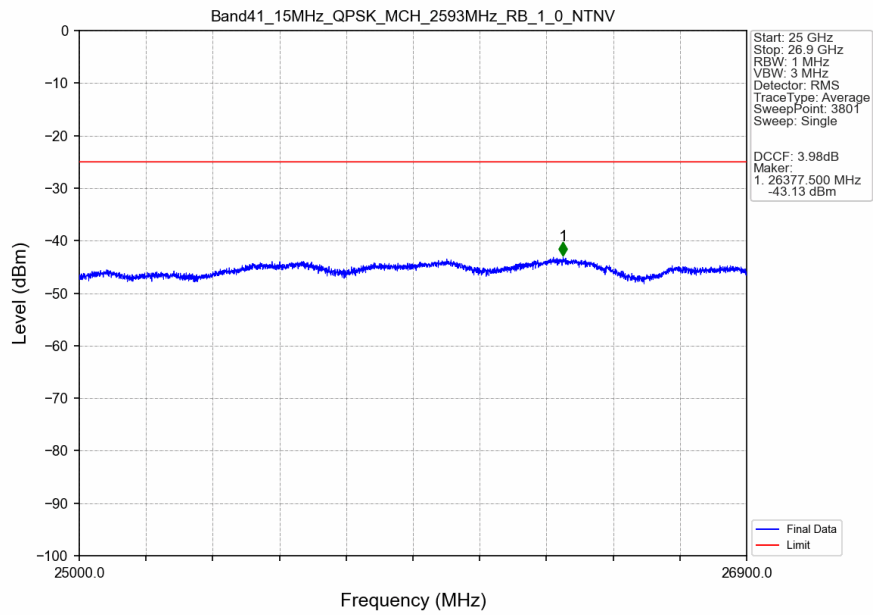
Band41 15MHz QPSK MCH 2593MHz RB 1 0 NTNV



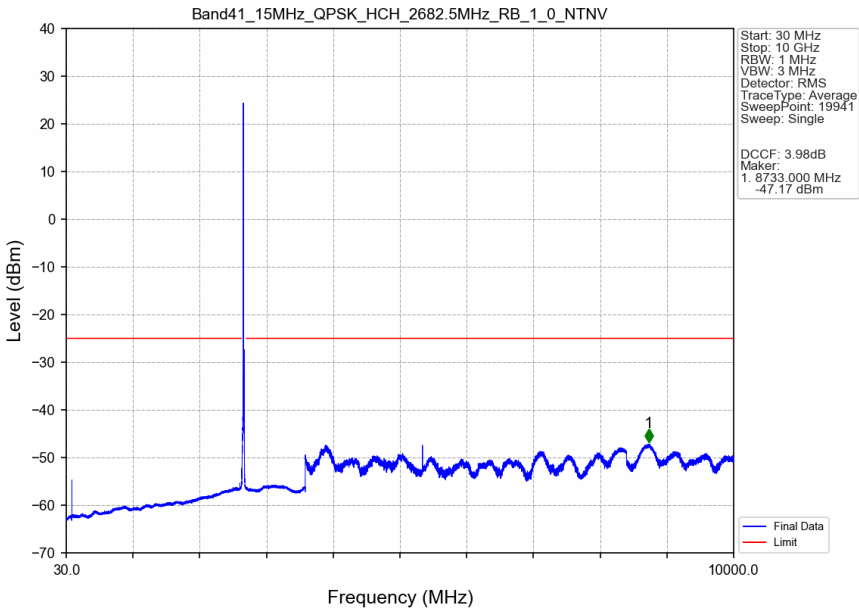
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



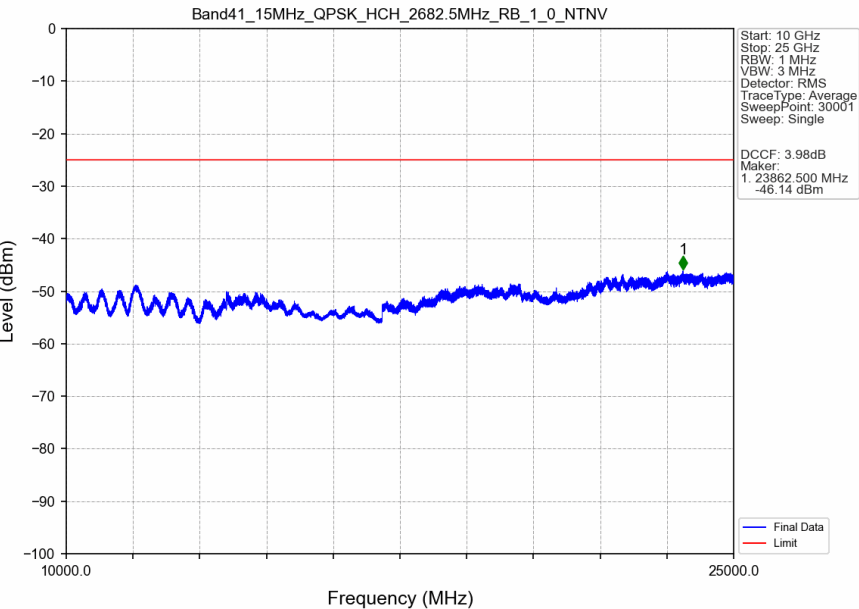
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



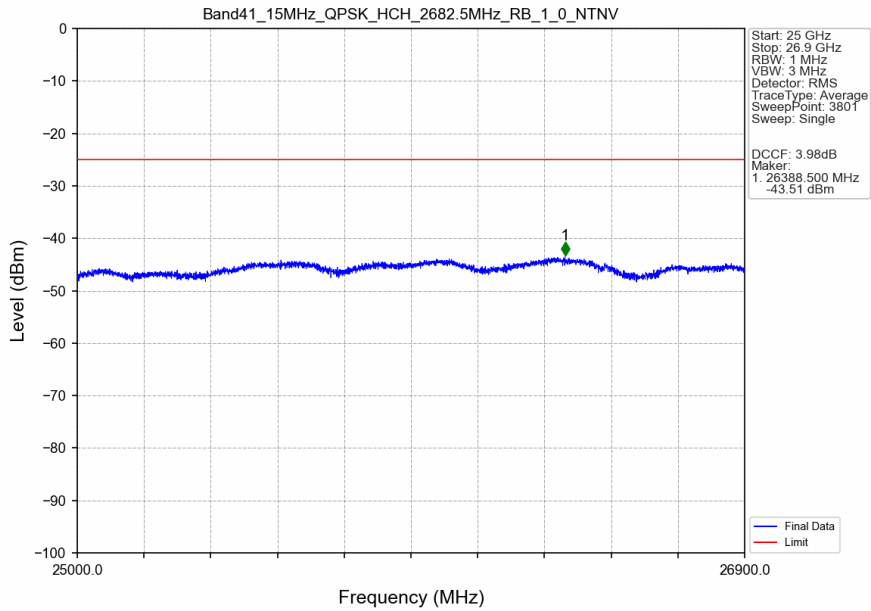
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



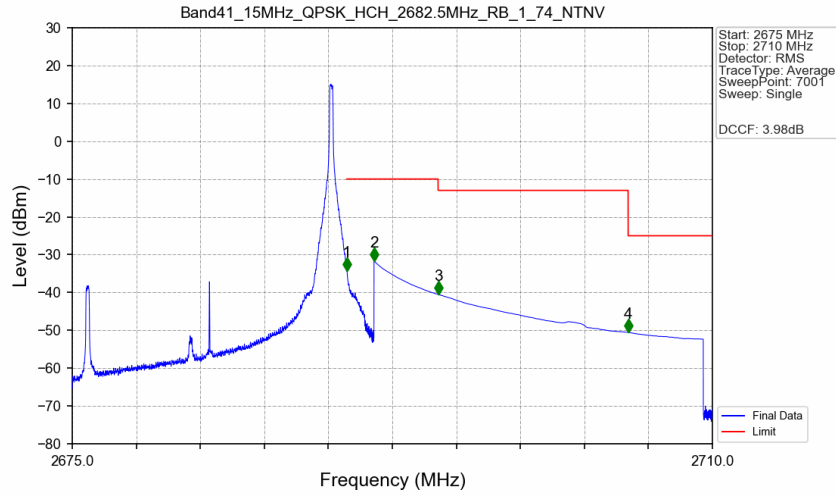
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

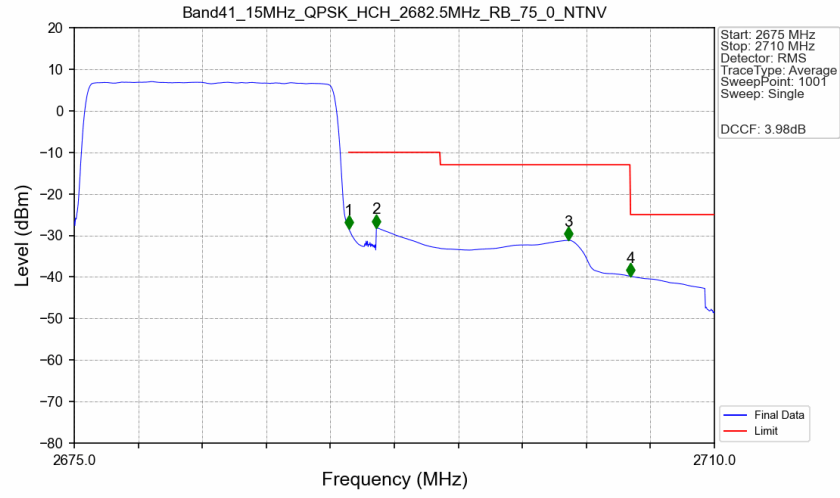


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



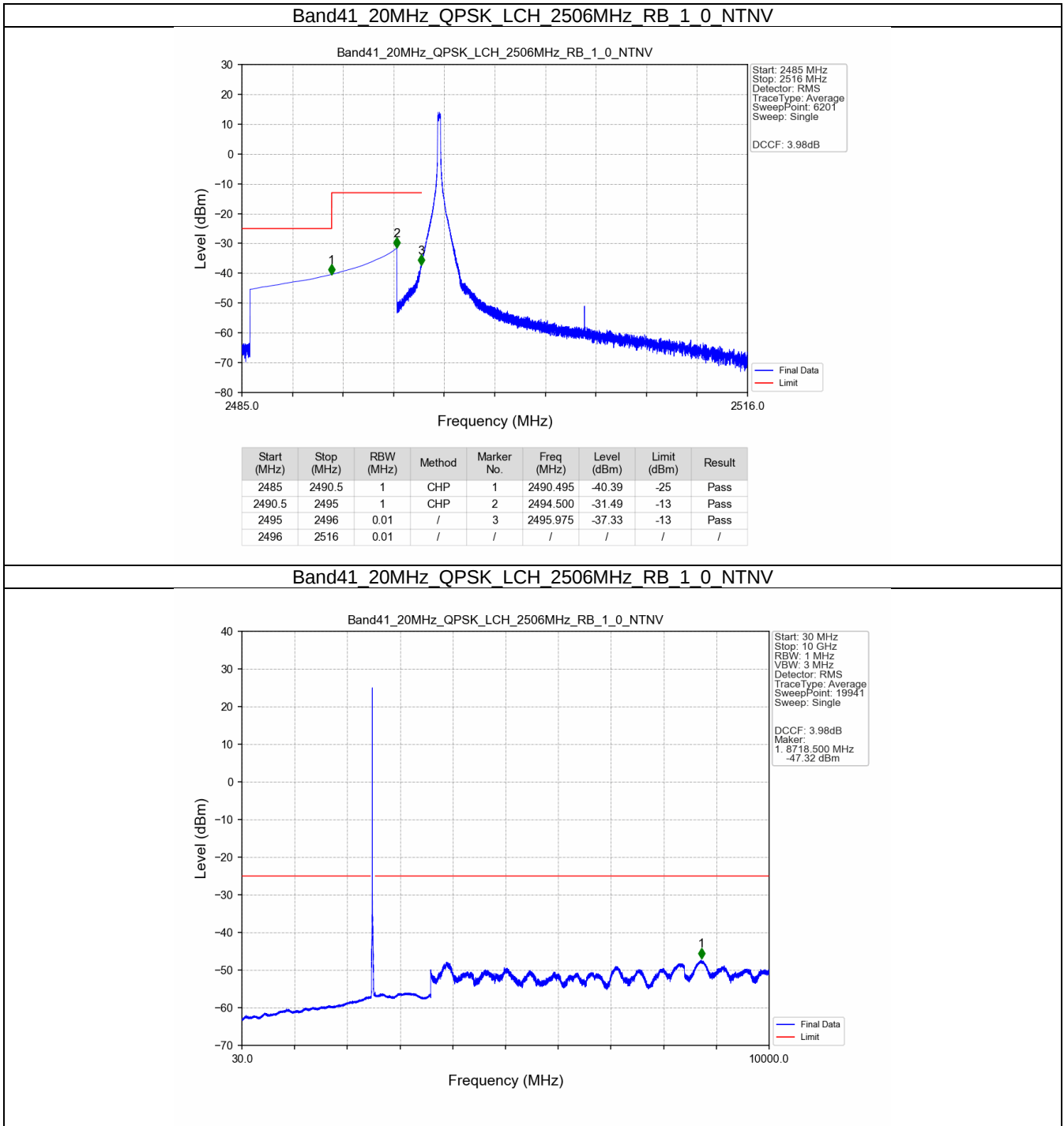
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.010	-34.26	-10	Pass
2691	2695	1	CHP	2	2691.500	-31.60	-10	Pass
2695	2705.392	1	CHP	3	2695.005	-40.51	-13	Pass
2705.392	2710	1	CHP	4	2705.395	-50.53	-25	Pass

Band41 15MHz QPSK HCH 2682.5MHz RB 75 0 NTN

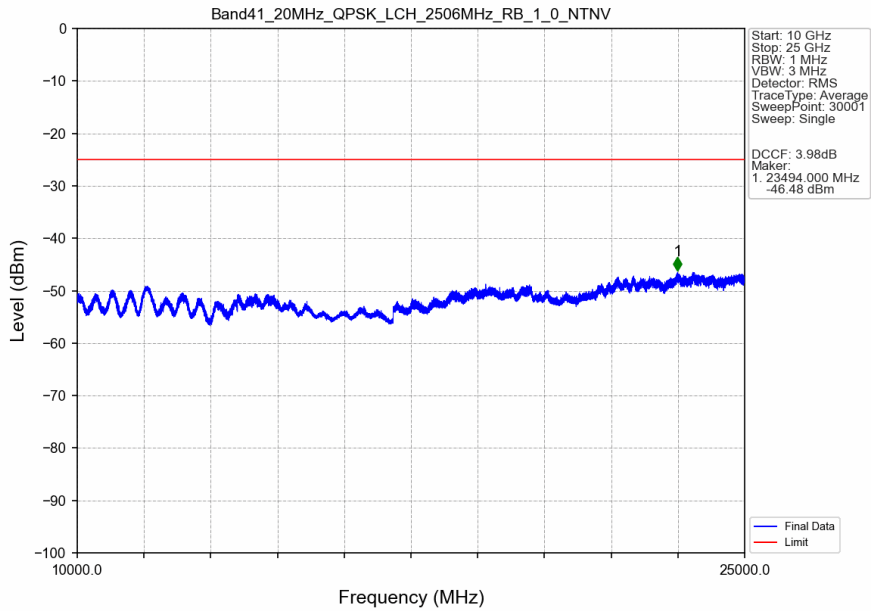


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.308	CHP	/	/	/	/	/
2690	2691	0.308	CHP	1	2690.015	-28.48	-10	Pass
2691	2695	1	CHP	2	2691.520	-28.12	-10	Pass
2695	2705.392	1	CHP	3	2702.020	-31.19	-13	Pass
2705.392	2710	1	CHP	4	2705.415	-39.83	-25	Pass

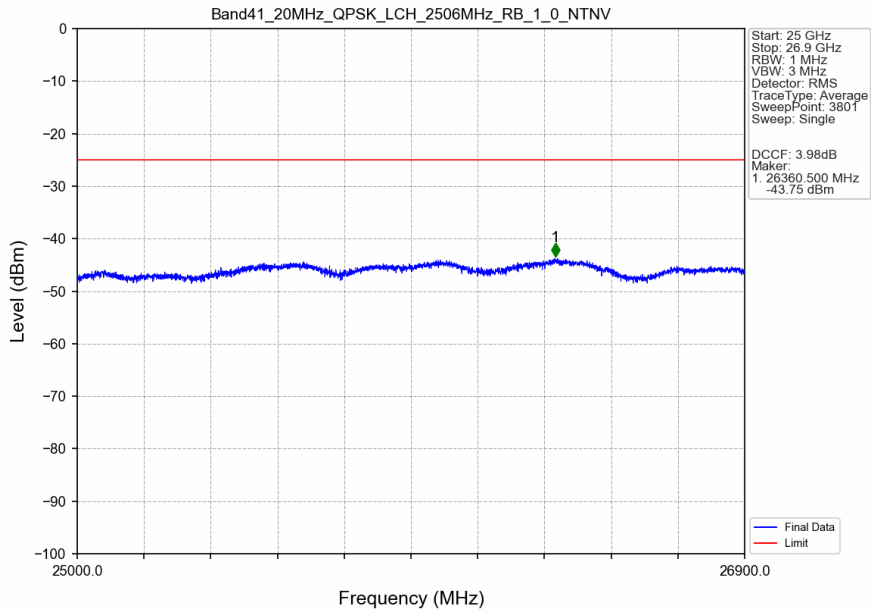
5.2.4 B41_20MHz



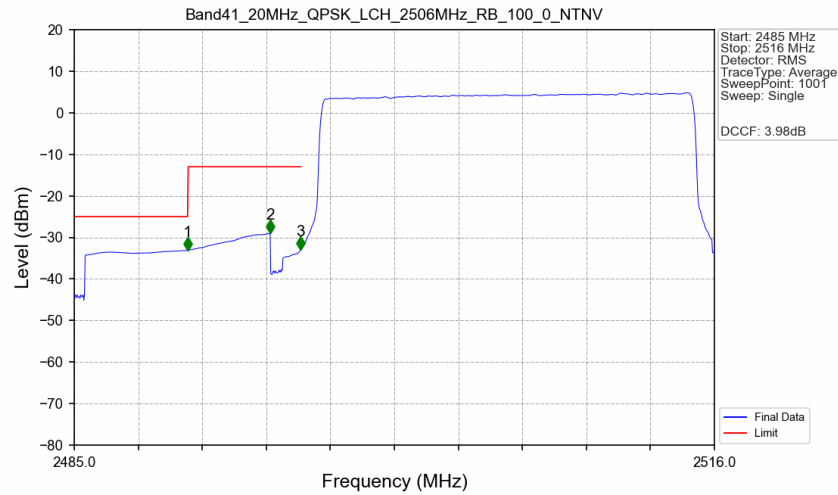
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

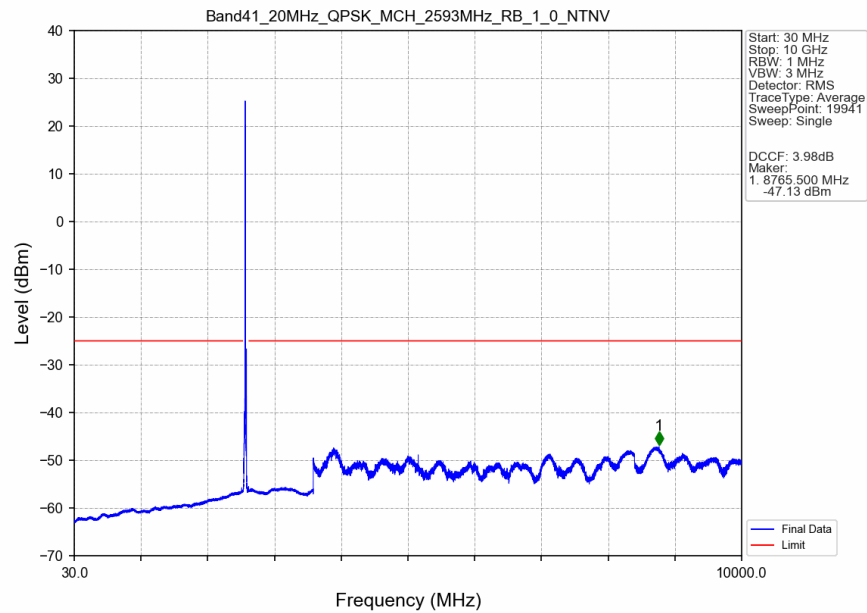


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

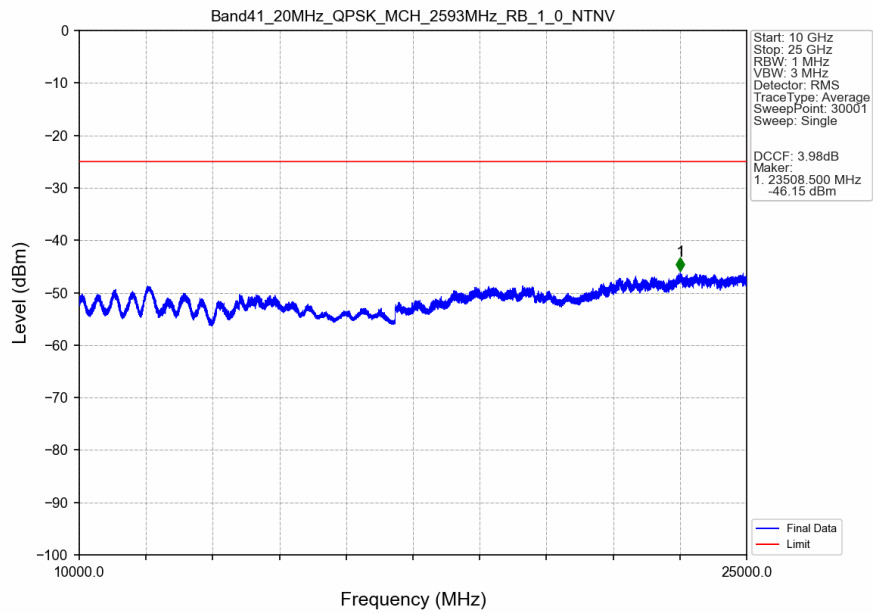


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.487	-33.11	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-29.02	-13	Pass
2495	2496	0.21	CHP	3	2495.974	-32.97	-13	Pass
2496	2516	0.21	CHP	/	/	/	/	/

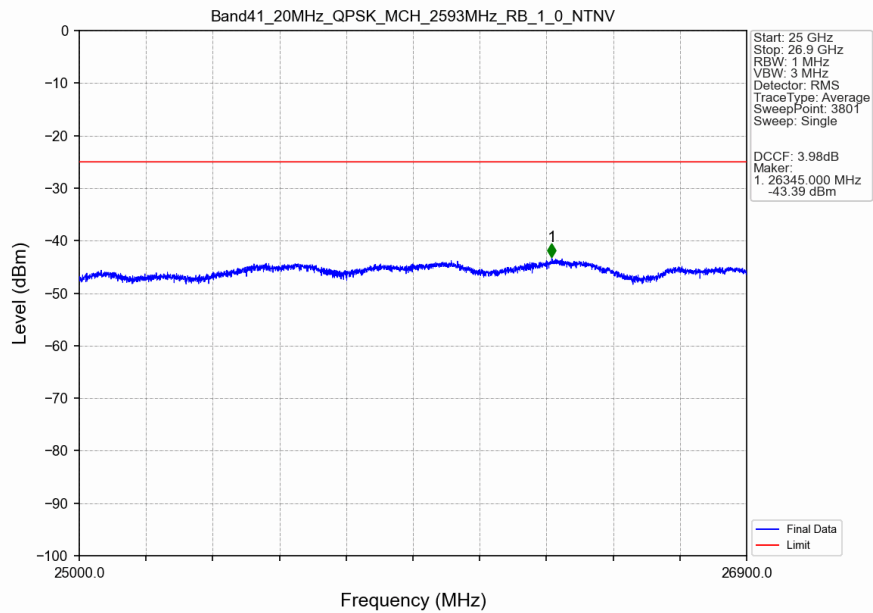
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



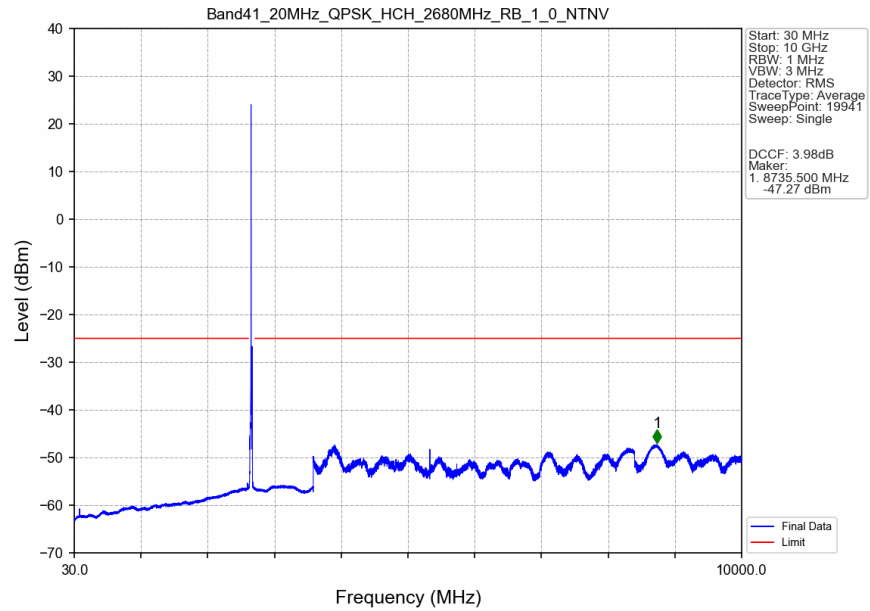
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



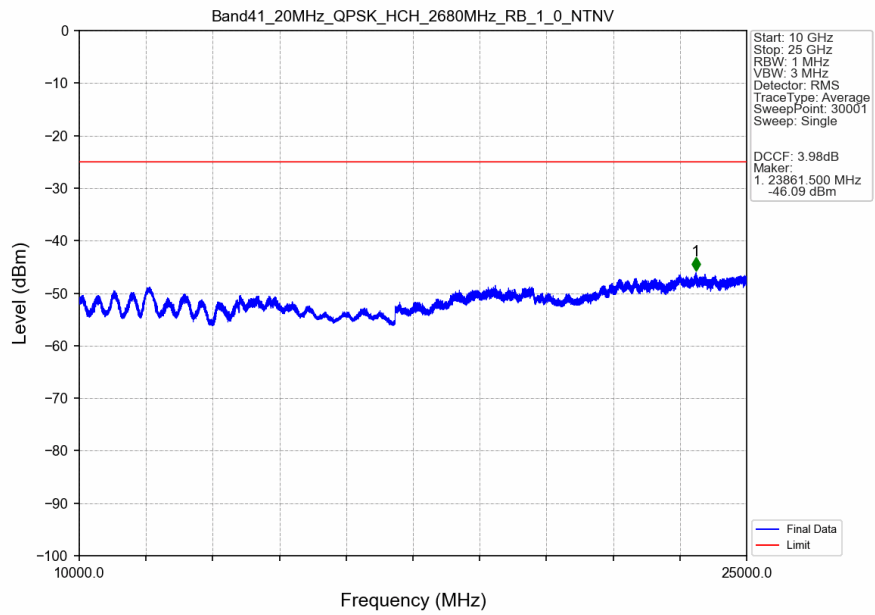
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



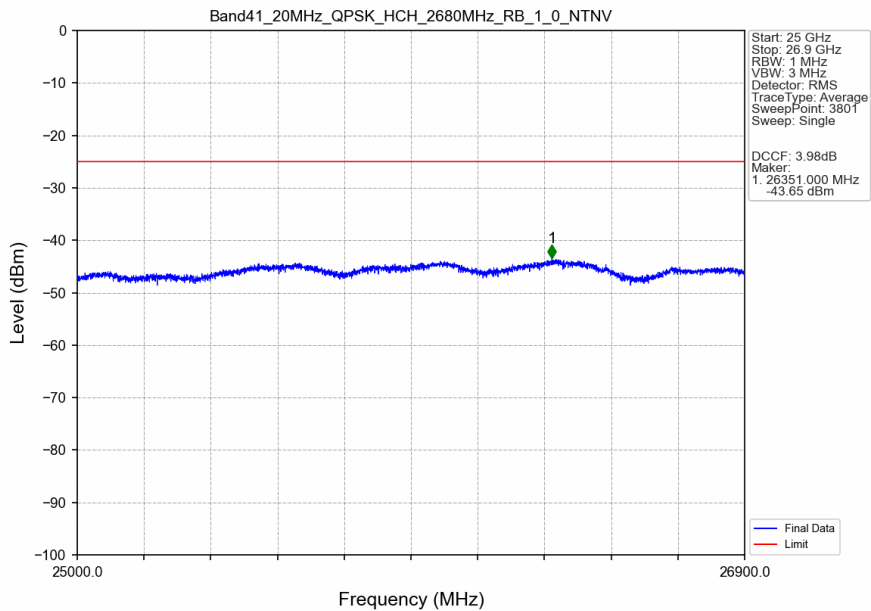
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



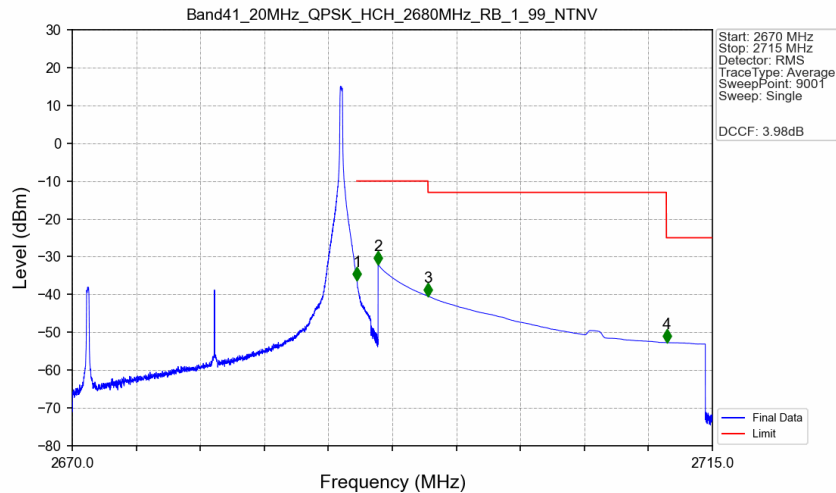
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41 20MHz QPSK HCH 2680MHz RB 1 0 NTV

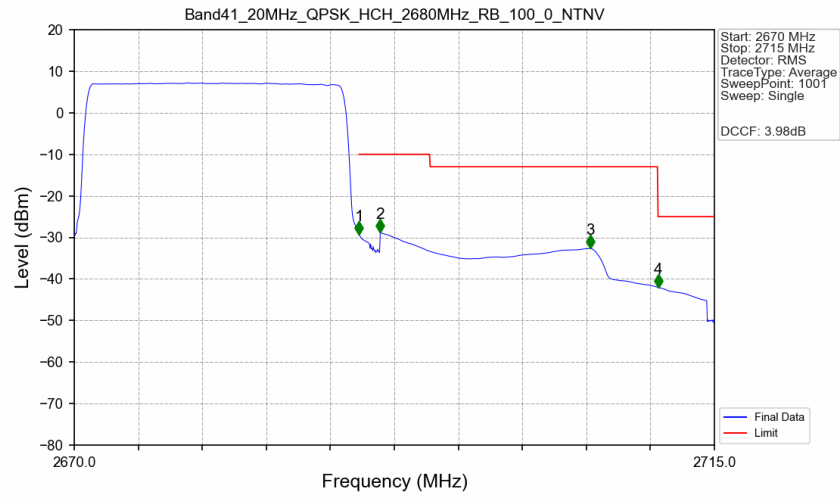


Band41 20MHz QPSK HCH 2680MHz RB 1 99 NTV



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	2690.015	-36.28	-10	Pass
2691	2695	1	CHP	2	2691.500	-32.08	-10	Pass
2695	2711.761	1	CHP	3	2695.005	-40.42	-13	Pass
2711.761	2715	1	CHP	4	2711.805	-52.72	-25	Pass

Band41 20MHz QPSK HCH 2680MHz RB 100 0 NTN



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.421	CHP	/	/	/	/	/
2690	2691	0.421	CHP	1	2690.025	-29.32	-10	Pass
2691	2695	1	CHP	2	2691.510	-28.81	-10	Pass
2695	2711.036	1	CHP	3	2706.270	-32.67	-13	Pass
2711.036	2715	1	CHP	4	2711.040	-42.04	-25	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
5012.0	-54.86	-25	-29.86	-60.44	4.57	10.15	Horizontal	Pass
7518.0	-54.6	-25	-29.6	-61.42	4.94	11.76	Horizontal	Pass
10024.0	-53.26	-25	-28.26	-60.83	5.46	13.03	Horizontal	Pass
5012.0	-54.43	-25	-29.43	-60.01	4.57	10.15	Vertical	Pass
7518.0	-53.82	-25	-28.82	-60.64	4.94	11.76	Vertical	Pass
10024.0	-53.2	-25	-28.2	-60.77	5.46	13.03	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
5186.0	-55.94	-25	-30.94	-61.57	4.63	10.26	Horizontal	Pass
7779.0	-56.0	-25	-31.0	-63.11	4.96	12.07	Horizontal	Pass
10372.0	-53.41	-25	-28.41	-60.99	5.52	13.1	Horizontal	Pass
5186.0	-55.89	-25	-30.89	-61.52	4.63	10.26	Vertical	Pass
7779.0	-55.24	-25	-30.24	-62.35	4.96	12.07	Vertical	Pass
10372.0	-53.78	-25	-28.78	-61.36	5.52	13.1	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
5360.0	-57.73	-25	-32.73	-63.4	4.69	10.36	Horizontal	Pass
8040.0	-56.86	-25	-31.86	-64.25	4.99	12.38	Horizontal	Pass
10720.0	-52.77	-25	-27.77	-60.31	5.65	13.19	Horizontal	Pass
5360.0	-57.13	-25	-32.13	-62.8	4.69	10.36	Vertical	Pass
8040.0	-54.24	-25	-29.24	-61.63	4.99	12.38	Vertical	Pass
10720.0	-53.41	-25	-28.41	-60.95	5.65	13.19	Vertical	Pass