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	24.31	-1.49	22.82	<=33.01	Pass
			13	24.41	-1.49	22.92	<=33.01	Pass
			24	24.27	-1.49	22.78	<=33.01	Pass
		12	0	23.44	-1.49	21.95	<=33.01	Pass
			6	23.42	-1.49	21.93	<=33.01	Pass
			13	23.44	-1.49	21.95	<=33.01	Pass
		25	0	23.42	-1.49	21.93	<=33.01	Pass
	2593	1	0	24.22	-1.49	22.73	<=33.01	Pass
			13	24.30	-1.49	22.81	<=33.01	Pass
			24	24.16	-1.49	22.67	<=33.01	Pass
		12	0	23.27	-1.49	21.78	<=33.01	Pass
			6	23.34	-1.49	21.85	<=33.01	Pass
			13	23.33	-1.49	21.84	<=33.01	Pass
		25	0	23.25	-1.49	21.76	<=33.01	Pass
	2687.5	1	0	24.29	-1.49	22.80	<=33.01	Pass
			13	24.45	-1.49	22.96	<=33.01	Pass
			24	24.37	-1.49	22.88	<=33.01	Pass
		12	0	23.40	-1.49	21.91	<=33.01	Pass
			6	23.41	-1.49	21.92	<=33.01	Pass
			13	23.43	-1.49	21.94	<=33.01	Pass
		25	0	23.41	-1.49	21.92	<=33.01	Pass
16QAM	2498.5	1	0	22.07	-1.49	20.58	<=33.01	Pass
			13	22.31	-1.49	20.82	<=33.01	Pass
			24	22.15	-1.49	20.66	<=33.01	Pass
		12	0	22.40	-1.49	20.91	<=33.01	Pass
			6	22.33	-1.49	20.84	<=33.01	Pass
			13	22.43	-1.49	20.94	<=33.01	Pass
		25	0	22.48	-1.49	20.99	<=33.01	Pass
	2593	1	0	21.89	-1.49	20.40	<=33.01	Pass
			13	22.01	-1.49	20.52	<=33.01	Pass
			24	21.94	-1.49	20.45	<=33.01	Pass
		12	0	22.26	-1.49	20.77	<=33.01	Pass
			6	22.35	-1.49	20.86	<=33.01	Pass
			13	22.34	-1.49	20.85	<=33.01	Pass
		25	0	22.27	-1.49	20.78	<=33.01	Pass
	2687.5	1	0	22.20	-1.49	20.71	<=33.01	Pass
			13	22.40	-1.49	20.91	<=33.01	Pass
			24	22.10	-1.49	20.61	<=33.01	Pass
		12	0	22.31	-1.49	20.82	<=33.01	Pass
			6	22.41	-1.49	20.92	<=33.01	Pass
			13	22.44	-1.49	20.95	<=33.01	Pass
		25	0	22.37	-1.49	20.88	<=33.01	Pass
64QAM	2498.5	1	0	22.01	-1.49	20.52	<=33.01	Pass
			13	22.07	-1.49	20.58	<=33.01	Pass
			24	22.12	-1.49	20.63	<=33.01	Pass
		12	0	21.36	-1.49	19.87	<=33.01	Pass
			6	22.48	-1.49	20.99	<=33.01	Pass
			13	22.46	-1.49	20.97	<=33.01	Pass
		25	0	22.46	-1.49	20.97	<=33.01	Pass

	2593	1	0	21.88	-1.49	20.39	<=33.01	Pass
			13	22.23	-1.49	20.74	<=33.01	Pass
			24	22.01	-1.49	20.52	<=33.01	Pass
		12	0	22.30	-1.49	20.81	<=33.01	Pass
			6	22.36	-1.49	20.87	<=33.01	Pass
			13	22.28	-1.49	20.79	<=33.01	Pass
		25	0	22.25	-1.49	20.76	<=33.01	Pass
	2687.5	1	0	22.19	-1.49	20.70	<=33.01	Pass
			13	22.15	-1.49	20.66	<=33.01	Pass
			24	22.17	-1.49	20.68	<=33.01	Pass
		12	0	22.40	-1.49	20.91	<=33.01	Pass
			6	22.43	-1.49	20.94	<=33.01	Pass
			13	22.45	-1.49	20.96	<=33.01	Pass
		25	0	22.41	-1.49	20.92	<=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	24.36	-1.49	22.87	<=33.01	Pass
			25	24.43	-1.49	22.94	<=33.01	Pass
			49	24.52	-1.49	23.03	<=33.01	Pass
		25	0	23.43	-1.49	21.94	<=33.01	Pass
			13	23.51	-1.49	22.02	<=33.01	Pass
			25	23.45	-1.49	21.96	<=33.01	Pass
		50	0	23.45	-1.49	21.96	<=33.01	Pass
	2593	1	0	24.11	-1.49	22.62	<=33.01	Pass
			25	24.38	-1.49	22.89	<=33.01	Pass
			49	24.28	-1.49	22.79	<=33.01	Pass
		25	0	23.29	-1.49	21.80	<=33.01	Pass
			13	23.29	-1.49	21.80	<=33.01	Pass
			25	23.31	-1.49	21.82	<=33.01	Pass
		50	0	23.27	-1.49	21.78	<=33.01	Pass
	2685	1	0	24.19	-1.49	22.70	<=33.01	Pass
			25	24.51	-1.49	23.02	<=33.01	Pass
			49	24.31	-1.49	22.82	<=33.01	Pass
		25	0	23.35	-1.49	21.86	<=33.01	Pass
			13	23.44	-1.49	21.95	<=33.01	Pass
			25	23.47	-1.49	21.98	<=33.01	Pass
		50	0	23.44	-1.49	21.95	<=33.01	Pass
16QAM	2501	1	0	23.29	-1.49	21.80	<=33.01	Pass
			25	23.27	-1.49	21.78	<=33.01	Pass
			49	23.15	-1.49	21.66	<=33.01	Pass
		25	0	22.45	-1.49	20.96	<=33.01	Pass
			13	22.54	-1.49	21.05	<=33.01	Pass
			25	22.46	-1.49	20.97	<=33.01	Pass
		50	0	22.47	-1.49	20.98	<=33.01	Pass
	2593	1	0	23.24	-1.49	21.75	<=33.01	Pass
			25	23.12	-1.49	21.63	<=33.01	Pass
			49	23.01	-1.49	21.52	<=33.01	Pass
		25	0	22.32	-1.49	20.83	<=33.01	Pass
			13	22.28	-1.49	20.79	<=33.01	Pass
			25	22.32	-1.49	20.83	<=33.01	Pass
		50	0	22.30	-1.49	20.81	<=33.01	Pass
	2685	1	0	22.64	-1.49	21.15	<=33.01	Pass

			25	23.30	-1.49	21.81	<=33.01	Pass
			49	23.31	-1.49	21.82	<=33.01	Pass
		25	0	22.32	-1.49	20.83	<=33.01	Pass
			13	22.42	-1.49	20.93	<=33.01	Pass
			25	22.37	-1.49	20.88	<=33.01	Pass
		50	0	22.44	-1.49	20.95	<=33.01	Pass
64QAM	2501	1	0	23.16	-1.49	21.67	<=33.01	Pass
			25	23.35	-1.49	21.86	<=33.01	Pass
			49	23.21	-1.49	21.72	<=33.01	Pass
		25	0	22.45	-1.49	20.96	<=33.01	Pass
			13	22.47	-1.49	20.98	<=33.01	Pass
			25	22.44	-1.49	20.95	<=33.01	Pass
		50	0	22.47	-1.49	20.98	<=33.01	Pass
	2593	1	0	23.12	-1.49	21.63	<=33.01	Pass
			25	23.27	-1.49	21.78	<=33.01	Pass
			49	22.90	-1.49	21.41	<=33.01	Pass
		25	0	22.27	-1.49	20.78	<=33.01	Pass
			13	22.30	-1.49	20.81	<=33.01	Pass
			25	22.35	-1.49	20.86	<=33.01	Pass
		50	0	22.24	-1.49	20.75	<=33.01	Pass
	2685	1	0	22.81	-1.49	21.32	<=33.01	Pass
			25	23.12	-1.49	21.63	<=33.01	Pass
			49	23.12	-1.49	21.63	<=33.01	Pass
		25	0	22.32	-1.49	20.83	<=33.01	Pass
			13	22.48	-1.49	20.99	<=33.01	Pass
			25	22.46	-1.49	20.97	<=33.01	Pass
		50	0	22.43	-1.49	20.94	<=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	24.39	-1.49	22.90	<=33.01	Pass
			38	24.40	-1.49	22.91	<=33.01	Pass
			74	22.72	-1.49	21.23	<=33.01	Pass
		36	0	23.41	-1.49	21.92	<=33.01	Pass
			18	23.48	-1.49	21.99	<=33.01	Pass
			39	23.50	-1.49	22.01	<=33.01	Pass
		75	0	23.43	-1.49	21.94	<=33.01	Pass
	2593	1	0	24.20	-1.49	22.71	<=33.01	Pass
			38	24.18	-1.49	22.69	<=33.01	Pass
			74	22.57	-1.49	21.08	<=33.01	Pass
		36	0	23.25	-1.49	21.76	<=33.01	Pass
			18	23.25	-1.49	21.76	<=33.01	Pass
			39	23.26	-1.49	21.77	<=33.01	Pass
		75	0	23.27	-1.49	21.78	<=33.01	Pass
	2682.5	1	0	24.08	-1.49	22.59	<=33.01	Pass
			38	24.31	-1.49	22.82	<=33.01	Pass
			74	22.82	-1.49	21.33	<=33.01	Pass
		36	0	23.26	-1.49	21.77	<=33.01	Pass
			18	23.38	-1.49	21.89	<=33.01	Pass
			39	23.40	-1.49	21.91	<=33.01	Pass
		75	0	23.40	-1.49	21.91	<=33.01	Pass
16QAM	2503.5	1	0	23.15	-1.49	21.66	<=33.01	Pass
			38	23.08	-1.49	21.59	<=33.01	Pass

			74	23.27	-1.49	21.78	<=33.01	Pass
		36	0	22.43	-1.49	20.94	<=33.01	Pass
			18	22.47	-1.49	20.98	<=33.01	Pass
			39	22.48	-1.49	20.99	<=33.01	Pass
		75	0	22.46	-1.49	20.97	<=33.01	Pass
	2593	1	0	23.13	-1.49	21.64	<=33.01	Pass
			38	23.11	-1.49	21.62	<=33.01	Pass
			74	22.76	-1.49	21.27	<=33.01	Pass
		36	0	22.32	-1.49	20.83	<=33.01	Pass
			18	22.30	-1.49	20.81	<=33.01	Pass
			39	22.35	-1.49	20.86	<=33.01	Pass
		75	0	22.28	-1.49	20.79	<=33.01	Pass
	2682.5	1	0	22.87	-1.49	21.38	<=33.01	Pass
			38	23.05	-1.49	21.56	<=33.01	Pass
			74	22.88	-1.49	21.39	<=33.01	Pass
		36	0	22.27	-1.49	20.78	<=33.01	Pass
			18	22.41	-1.49	20.92	<=33.01	Pass
			39	22.41	-1.49	20.92	<=33.01	Pass
		75	0	22.37	-1.49	20.88	<=33.01	Pass
64QAM	2503.5	1	0	22.90	-1.49	21.41	<=33.01	Pass
			38	23.22	-1.49	21.73	<=33.01	Pass
			74	23.24	-1.49	21.75	<=33.01	Pass
		36	0	22.39	-1.49	20.90	<=33.01	Pass
			18	22.51	-1.49	21.02	<=33.01	Pass
			39	22.49	-1.49	21.00	<=33.01	Pass
		75	0	22.47	-1.49	20.98	<=33.01	Pass
	2593	1	0	23.00	-1.49	21.51	<=33.01	Pass
			38	23.15	-1.49	21.66	<=33.01	Pass
			74	23.00	-1.49	21.51	<=33.01	Pass
		36	0	22.30	-1.49	20.81	<=33.01	Pass
			18	22.30	-1.49	20.81	<=33.01	Pass
			39	22.33	-1.49	20.84	<=33.01	Pass
		75	0	22.25	-1.49	20.76	<=33.01	Pass
	2682.5	1	0	23.10	-1.49	21.61	<=33.01	Pass
			38	22.95	-1.49	21.46	<=33.01	Pass
			74	23.00	-1.49	21.51	<=33.01	Pass
		36	0	22.27	-1.49	20.78	<=33.01	Pass
			18	22.42	-1.49	20.93	<=33.01	Pass
			39	22.42	-1.49	20.93	<=33.01	Pass
		75	0	21.31	-1.49	19.82	<=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	24.32	-1.49	22.83	<=33.01	Pass
			50	24.40	-1.49	22.91	<=33.01	Pass
			99	24.37	-1.49	22.88	<=33.01	Pass
		50	0	23.33	-1.49	21.84	<=33.01	Pass
			25	23.46	-1.49	21.97	<=33.01	Pass
			50	23.47	-1.49	21.98	<=33.01	Pass
		100	0	23.40	-1.49	21.91	<=33.01	Pass
	2593	1	0	24.18	-1.49	22.69	<=33.01	Pass
			50	24.24	-1.49	22.75	<=33.01	Pass
			99	24.06	-1.49	22.57	<=33.01	Pass

		50	0	23.24	-1.49	21.75	<=33.01	Pass
			25	23.27	-1.49	21.78	<=33.01	Pass
			50	23.33	-1.49	21.84	<=33.01	Pass
		100	0	23.30	-1.49	21.81	<=33.01	Pass
	2680	1	0	23.10	-1.49	21.61	<=33.01	Pass
			50	24.28	-1.49	22.79	<=33.01	Pass
			99	23.81	-1.49	22.32	<=33.01	Pass
		50	0	23.24	-1.49	21.75	<=33.01	Pass
			25	23.30	-1.49	21.81	<=33.01	Pass
			50	23.36	-1.49	21.87	<=33.01	Pass
		100	0	23.25	-1.49	21.76	<=33.01	Pass
16QAM	2506	1	0	23.20	-1.49	21.71	<=33.01	Pass
			50	23.08	-1.49	21.59	<=33.01	Pass
			99	23.22	-1.49	21.73	<=33.01	Pass
		50	0	22.34	-1.49	20.85	<=33.01	Pass
			25	22.38	-1.49	20.89	<=33.01	Pass
			50	22.43	-1.49	20.94	<=33.01	Pass
		100	0	22.42	-1.49	20.93	<=33.01	Pass
	2593	1	0	23.05	-1.49	21.56	<=33.01	Pass
			50	23.23	-1.49	21.74	<=33.01	Pass
			99	22.89	-1.49	21.40	<=33.01	Pass
		50	0	22.29	-1.49	20.80	<=33.01	Pass
			25	22.22	-1.49	20.73	<=33.01	Pass
			50	22.27	-1.49	20.78	<=33.01	Pass
		100	0	22.38	-1.49	20.89	<=33.01	Pass
	2680	1	0	22.77	-1.49	21.28	<=33.01	Pass
			50	23.03	-1.49	21.54	<=33.01	Pass
			99	23.18	-1.49	21.69	<=33.01	Pass
		50	0	22.20	-1.49	20.71	<=33.01	Pass
			25	22.29	-1.49	20.80	<=33.01	Pass
			50	22.40	-1.49	20.91	<=33.01	Pass
		100	0	22.26	-1.49	20.77	<=33.01	Pass
64QAM	2506	1	0	20.82	-1.49	19.33	<=33.01	Pass
			50	20.90	-1.49	19.41	<=33.01	Pass
			99	20.84	-1.49	19.35	<=33.01	Pass
		50	0	20.72	-1.49	19.23	<=33.01	Pass
			25	20.99	-1.49	19.50	<=33.01	Pass
			50	20.85	-1.49	19.36	<=33.01	Pass
		100	0	20.93	-1.49	19.44	<=33.01	Pass
	2593	1	0	20.75	-1.49	19.26	<=33.01	Pass
			50	20.83	-1.49	19.34	<=33.01	Pass
			99	20.61	-1.49	19.12	<=33.01	Pass
		50	0	20.73	-1.49	19.24	<=33.01	Pass
			25	20.69	-1.49	19.20	<=33.01	Pass
			50	20.80	-1.49	19.31	<=33.01	Pass
		100	0	20.78	-1.49	19.29	<=33.01	Pass
	2680	1	0	20.63	-1.49	19.14	<=33.01	Pass
			50	20.74	-1.49	19.25	<=33.01	Pass
			99	20.58	-1.49	19.09	<=33.01	Pass
		50	0	20.79	-1.49	19.30	<=33.01	Pass
			25	20.79	-1.49	19.30	<=33.01	Pass
			50	20.91	-1.49	19.42	<=33.01	Pass
		100	0	20.75	-1.49	19.26	<=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	-0.400	-0.0002	-2.5 to 2.5	Pass
					NV	0.800	0.0003	-2.5 to 2.5	Pass
					HV	-4.200	-0.0016	-2.5 to 2.5	Pass
				-30	NV	1.300	0.0005	-2.5 to 2.5	Pass
				-20	NV	0.300	0.0001	-2.5 to 2.5	Pass
				-10	NV	-0.700	-0.0003	-2.5 to 2.5	Pass
				0	NV	0.200	0.0001	-2.5 to 2.5	Pass
				10	NV	-1.800	-0.0007	-2.5 to 2.5	Pass
				30	NV	-0.700	-0.0003	-2.5 to 2.5	Pass
				40	NV	0.600	0.0002	-2.5 to 2.5	Pass
				50	NV	1.500	0.0006	-2.5 to 2.5	Pass

3. 99% & 26dB Bandwidth

3.1 Test Result

3.1.1 Band41_OBW

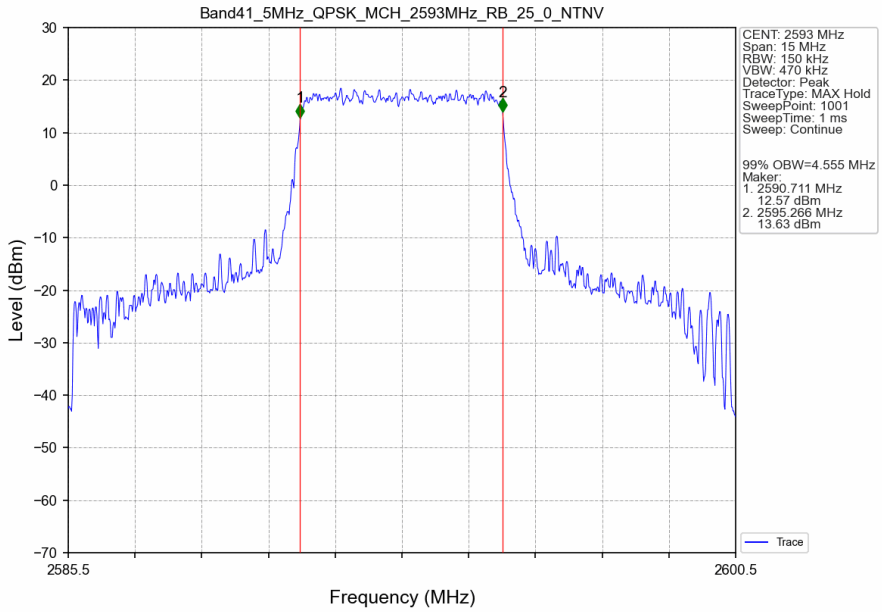
Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	4.555	/	Pass
	16QAM	2593	25	0	4.575	/	Pass
10	QPSK	2593	50	0	9.071	/	Pass
	16QAM	2593	50	0	9.076	/	Pass
15	QPSK	2593	75	0	13.607	/	Pass
	16QAM	2593	75	0	13.605	/	Pass
20	QPSK	2593	100	0	18.158	/	Pass
	16QAM	2593	100	0	18.149	/	Pass

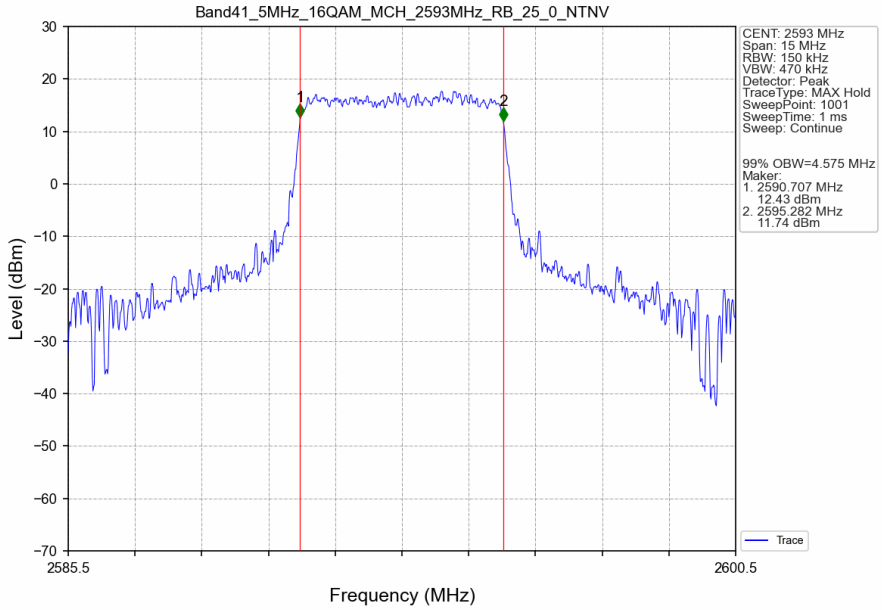
3.1.2 Band41_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	5.270	/	Pass
	16QAM	2593	25	0	5.258	/	Pass
10	QPSK	2593	50	0	10.168	/	Pass
	16QAM	2593	50	0	10.292	/	Pass
15	QPSK	2593	75	0	15.506	/	Pass
	16QAM	2593	75	0	15.842	/	Pass
20	QPSK	2593	100	0	20.873	/	Pass
	16QAM	2593	100	0	21.535	/	Pass

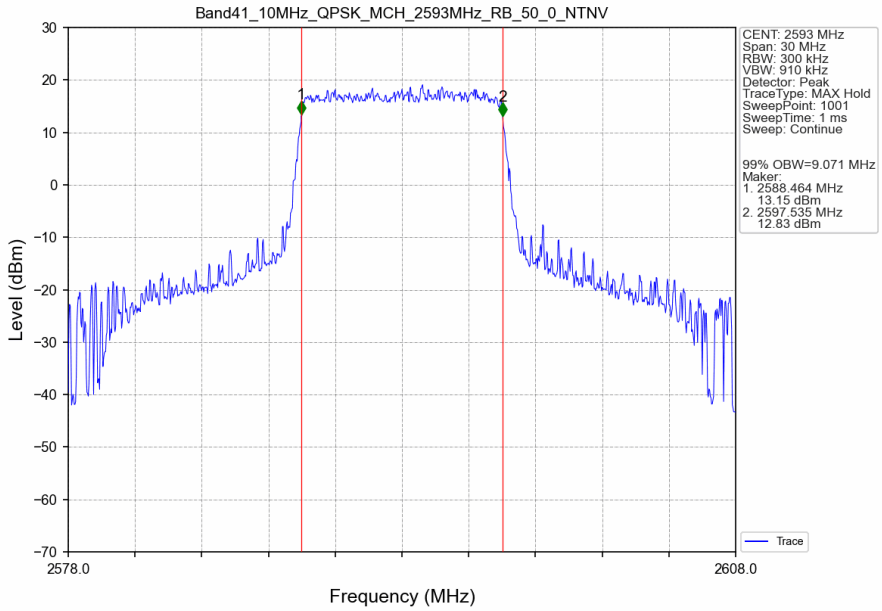
3.2 Test Graph

3.2.1 Band41_OBW

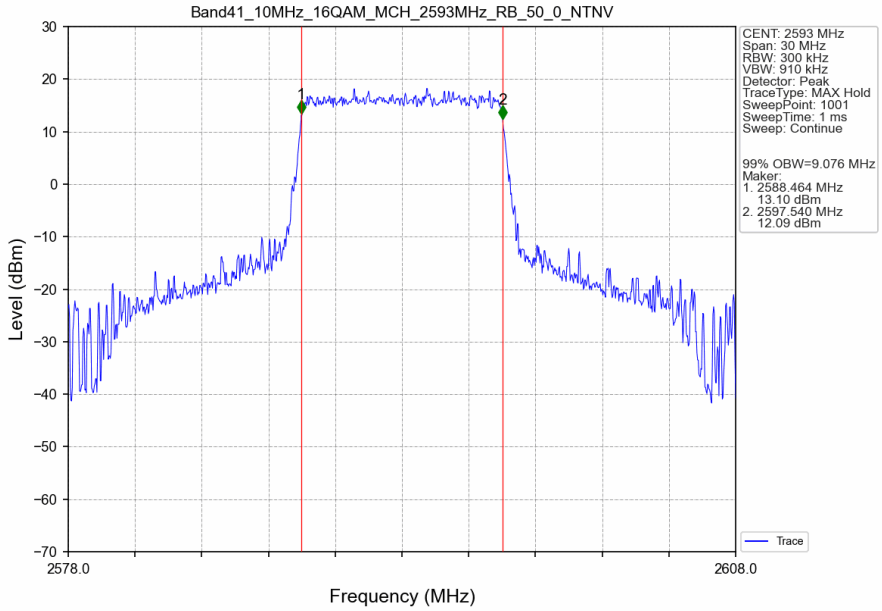
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV


Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV


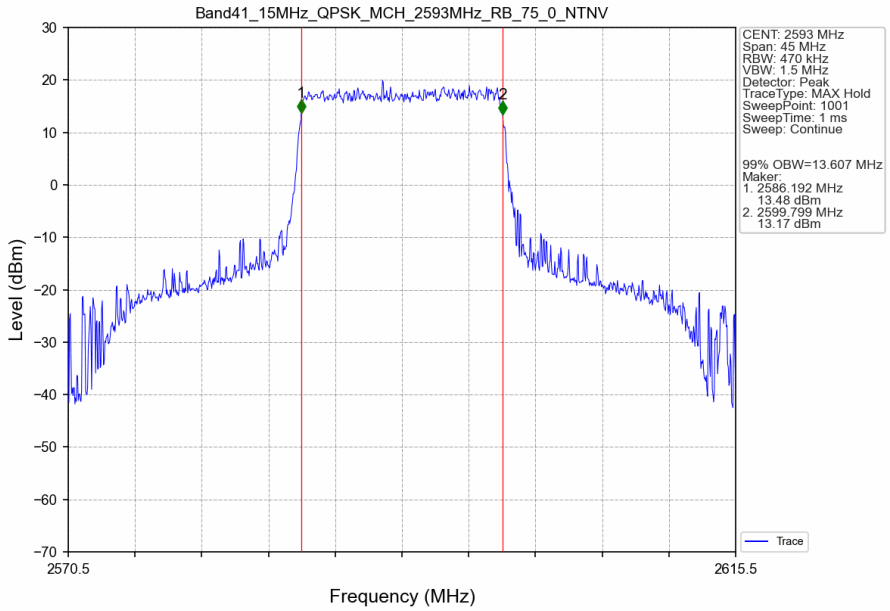
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



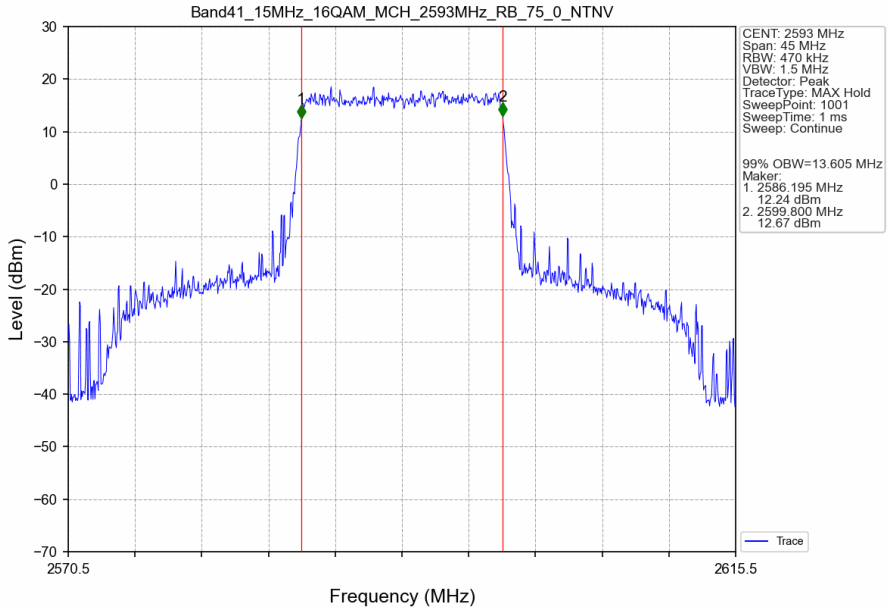
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



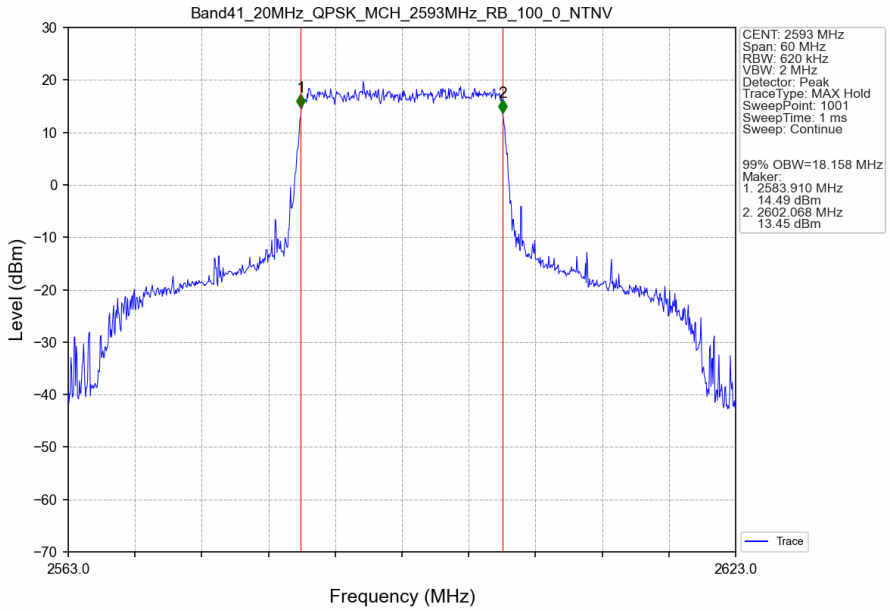
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



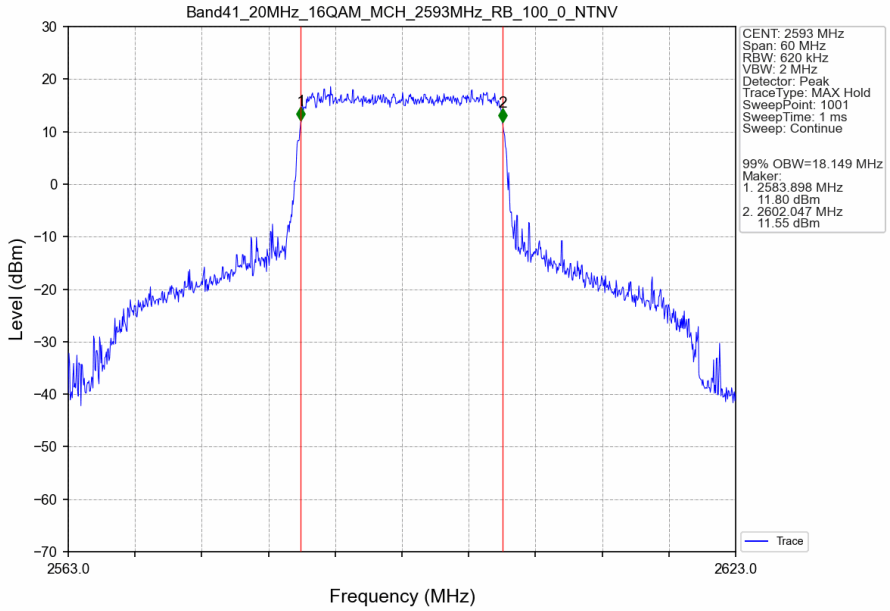
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV

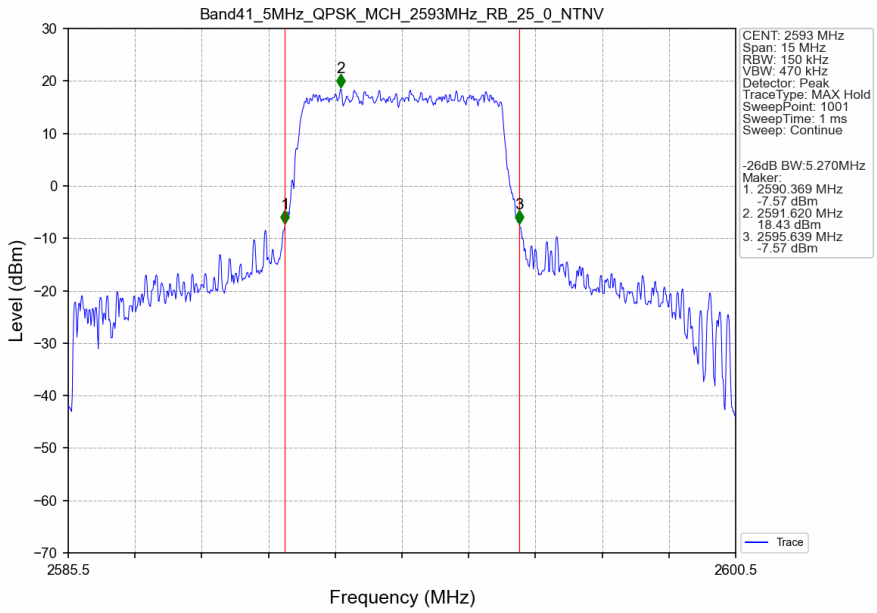


Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV

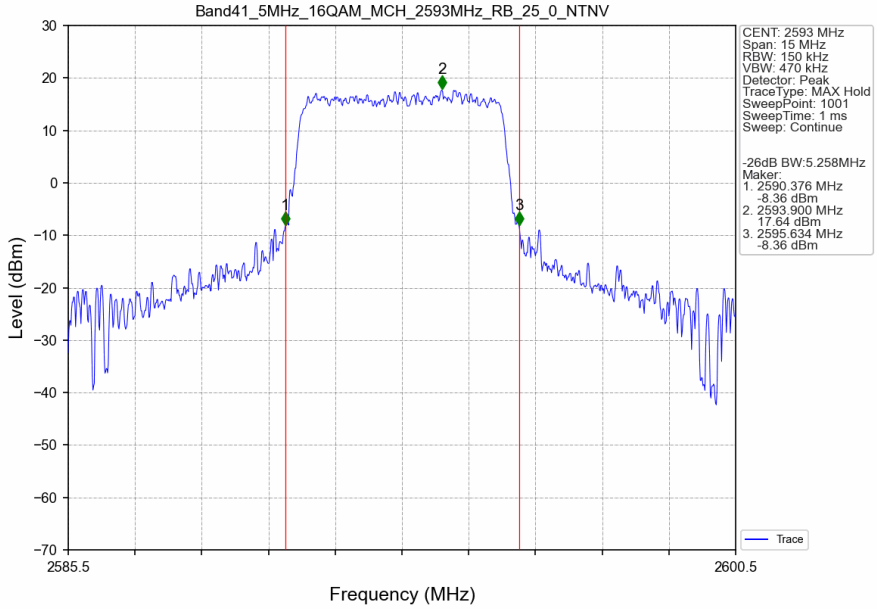


3.2.2 Band41_XDB

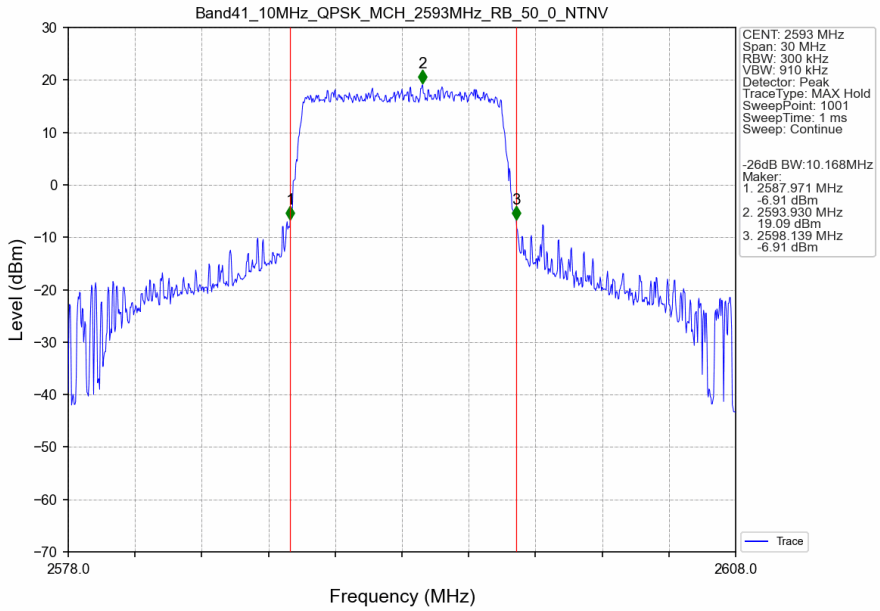
Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



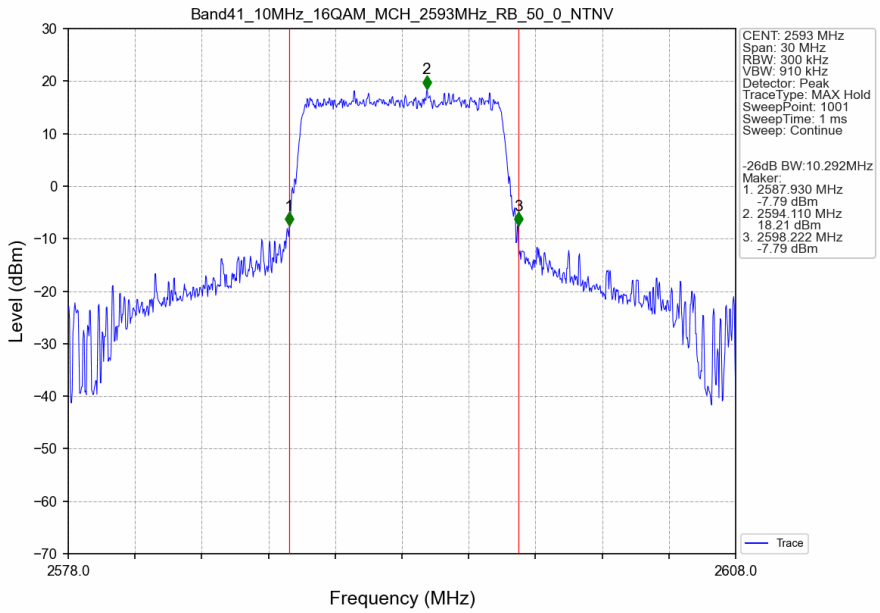
Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



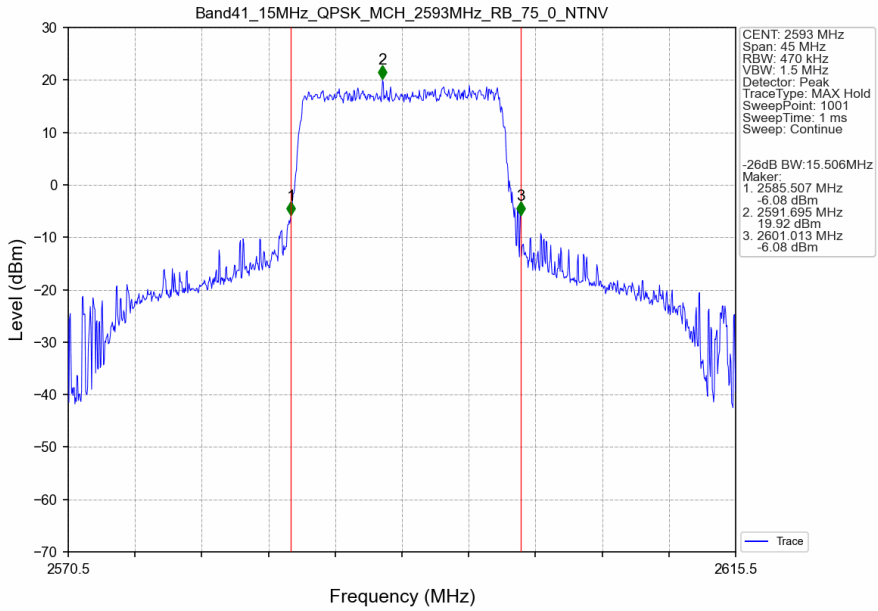
Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



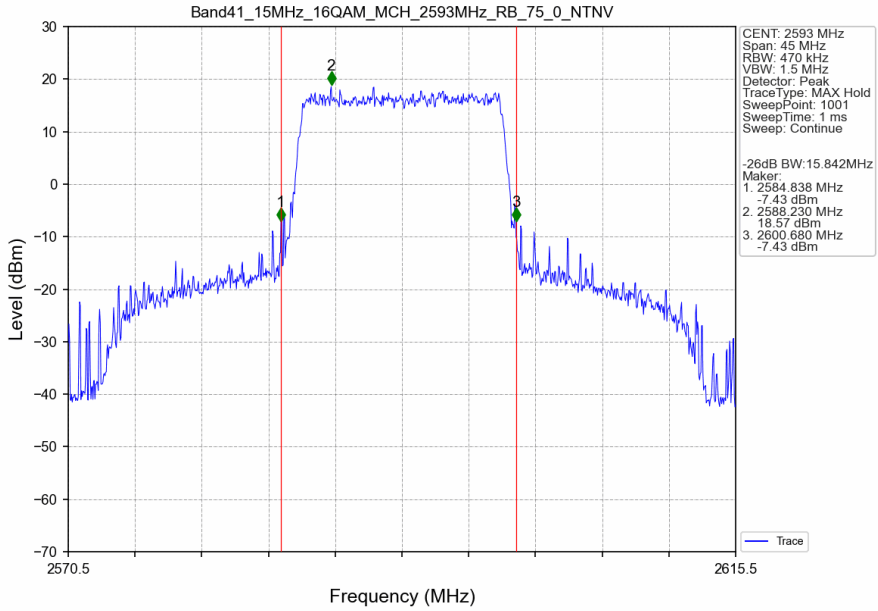
Band41_10MHz_16QAM_MCH_2593MHz_RB_50_0_NTNV



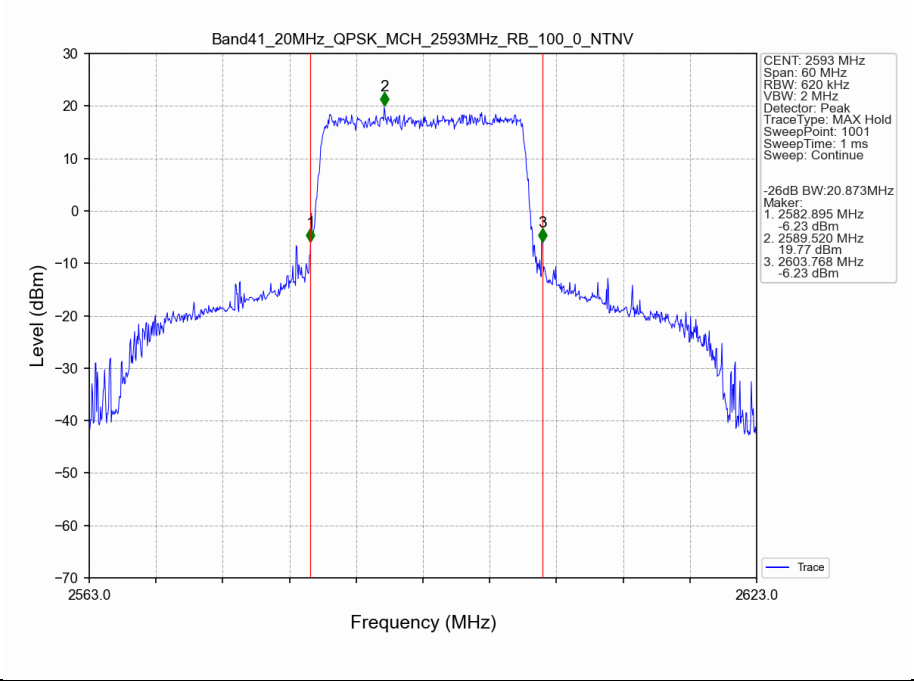
Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



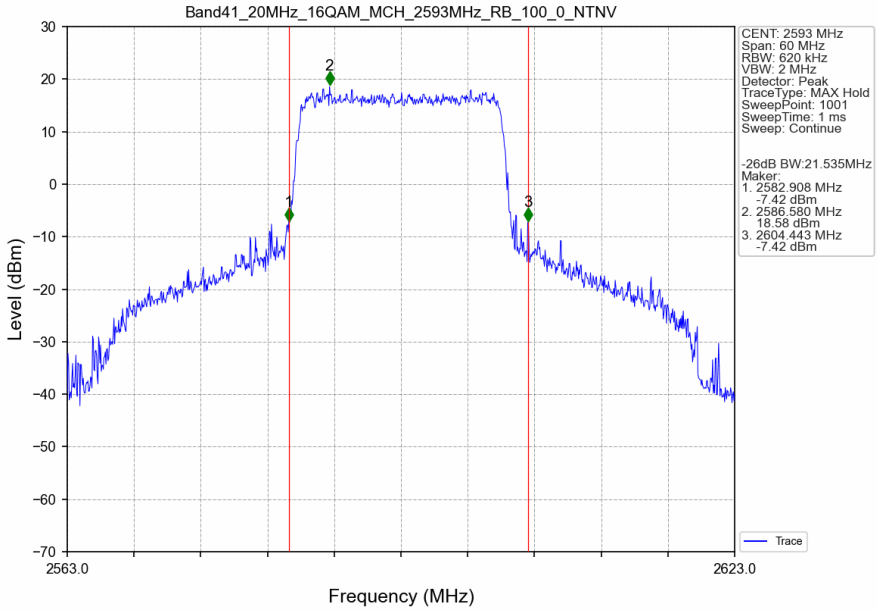
Band41_15MHz_16QAM_MCH_2593MHz_RB_75_0_NTNV



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

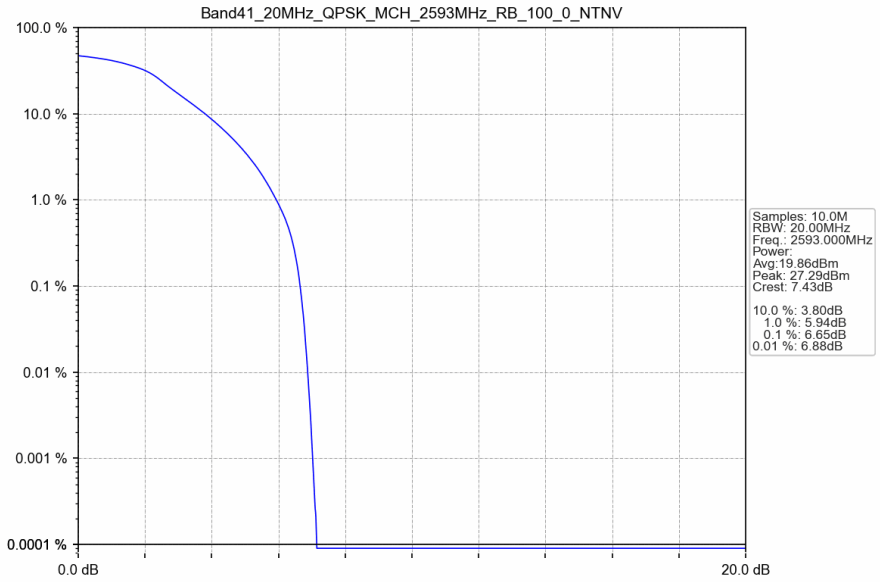
4.1.1 B41_20MHz

Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	6.65	<=13	Pass
16QAM	2593	100	0	7.64	<=13	Pass
64QAM	2593	100	0	7.60	<=13	Pass

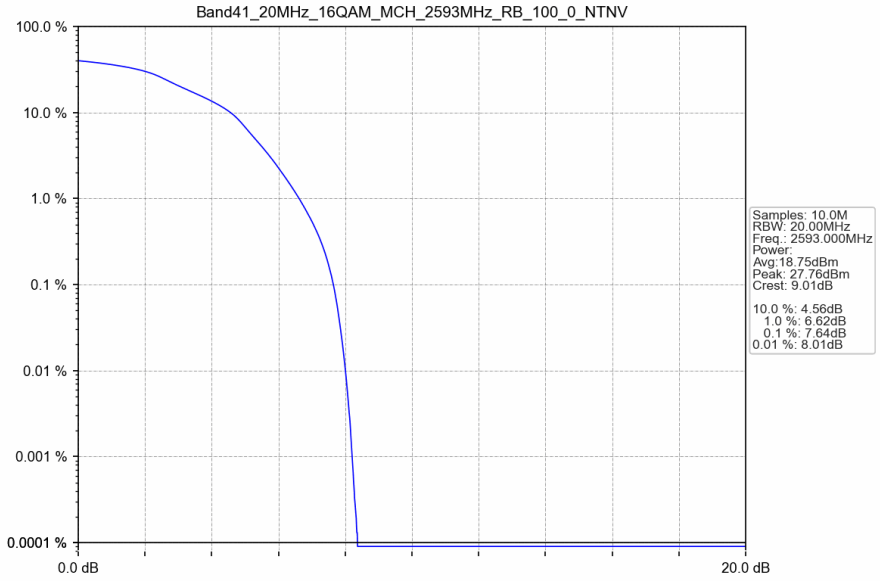
4.2 Test Graph

4.2.1 B41_20MHz

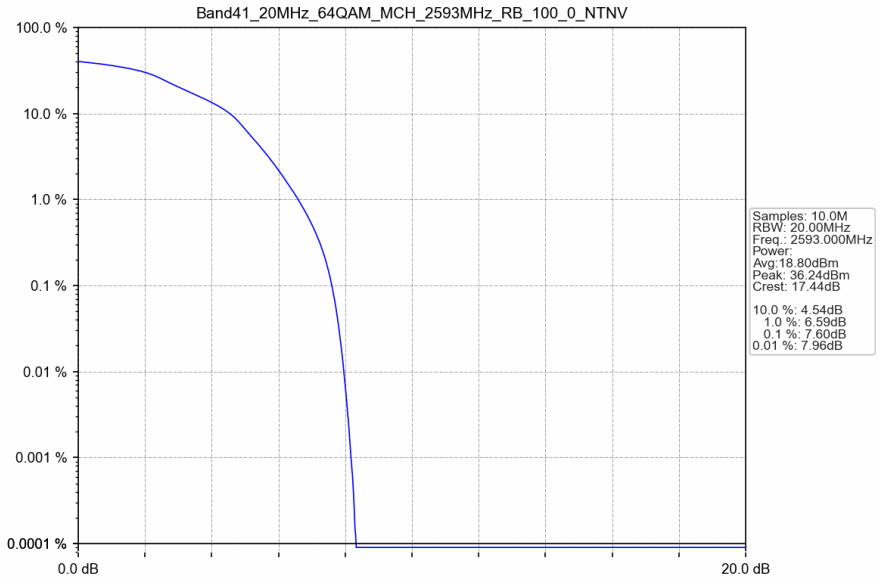
Band41_20MHz_QPSK_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



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

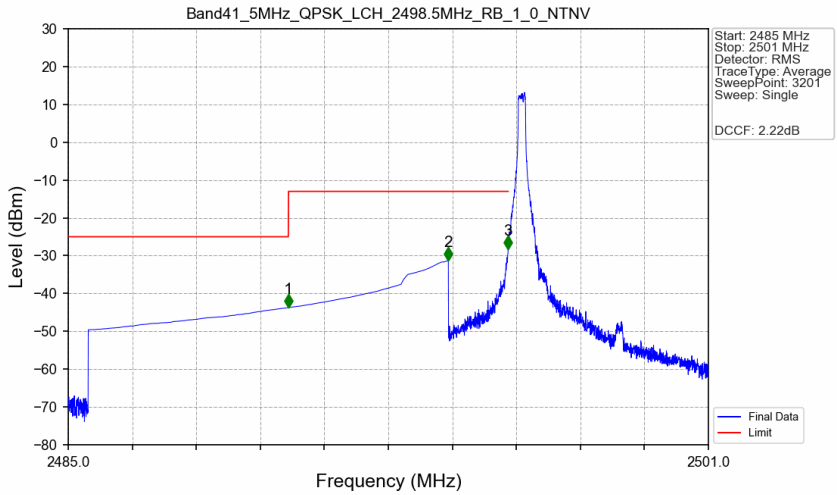
5.1.4 B41_20MHz

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

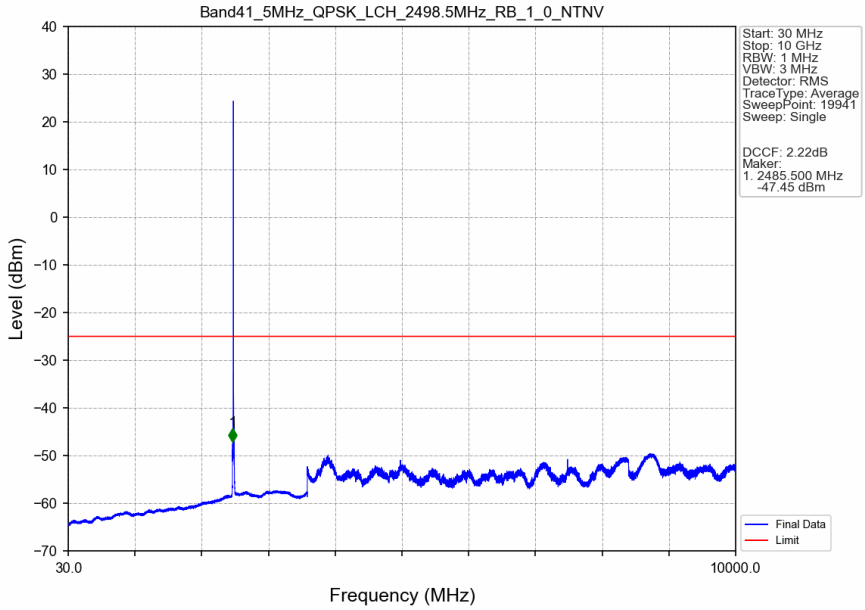
5.2.1 B41_5MHz

Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

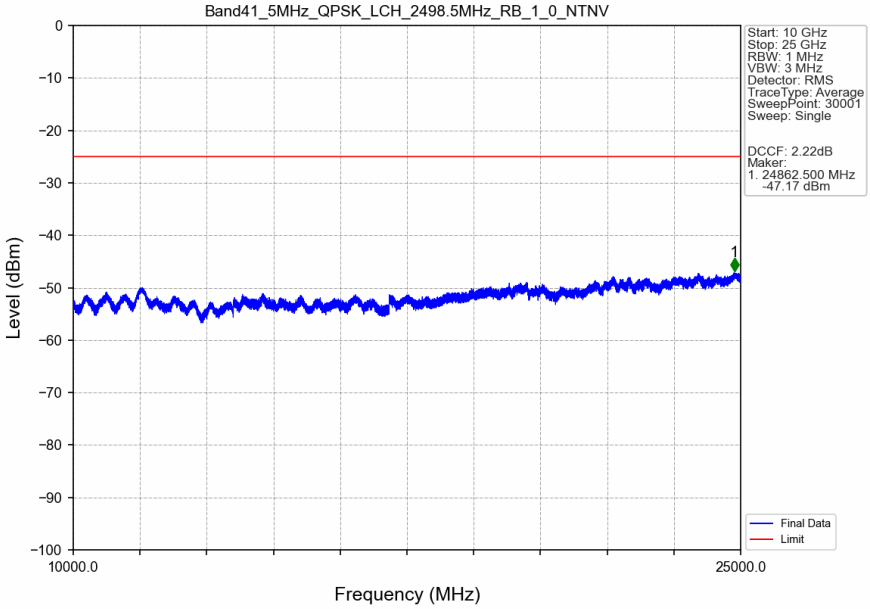


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.495	-43.72	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-31.25	-13	Pass
2495	2496	0.01	/	3	2495.995	-28.21	-13	Pass
2496	2501	0.01	/	/	/	/	/	/

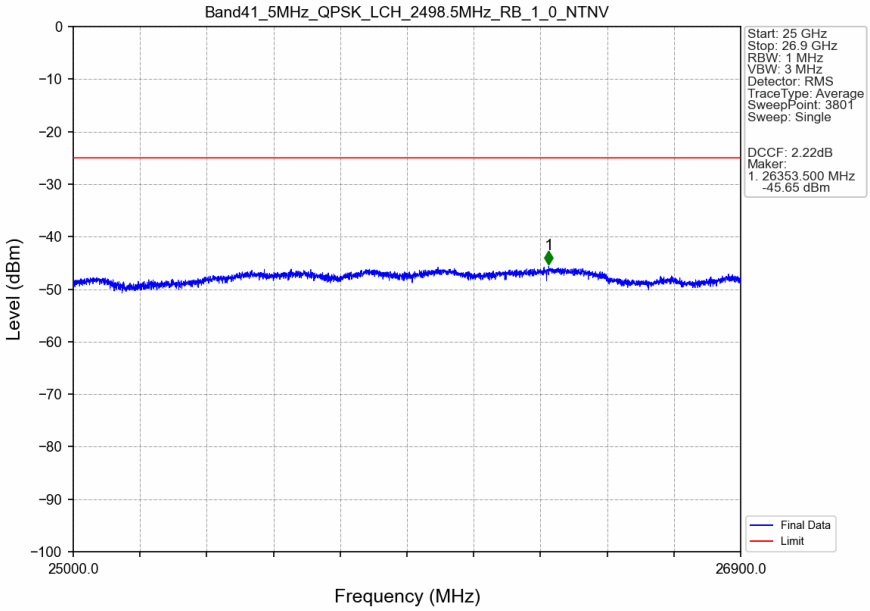
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



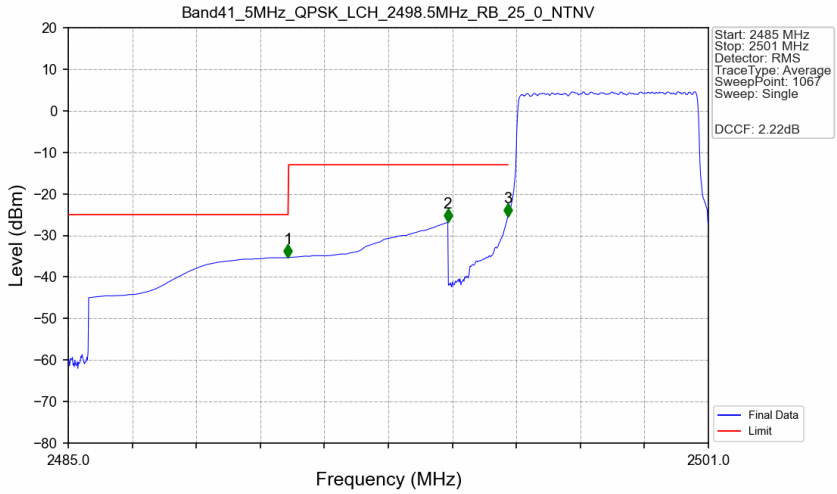
Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV

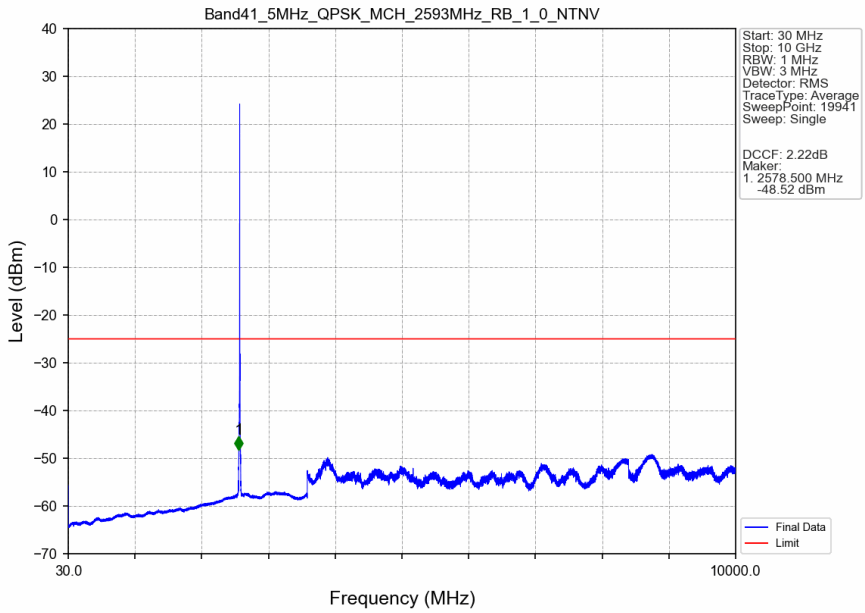


Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV

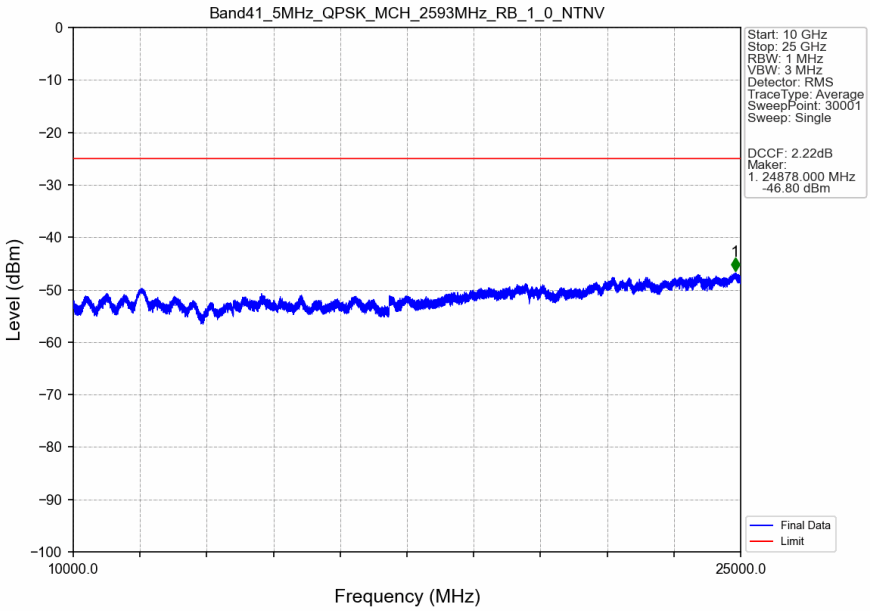


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-35.36	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-26.83	-13	Pass
2495	2496	0.053	CHP	3	2495.987	-25.42	-13	Pass
2496	2501	0.053	CHP	/	/	/	/	/

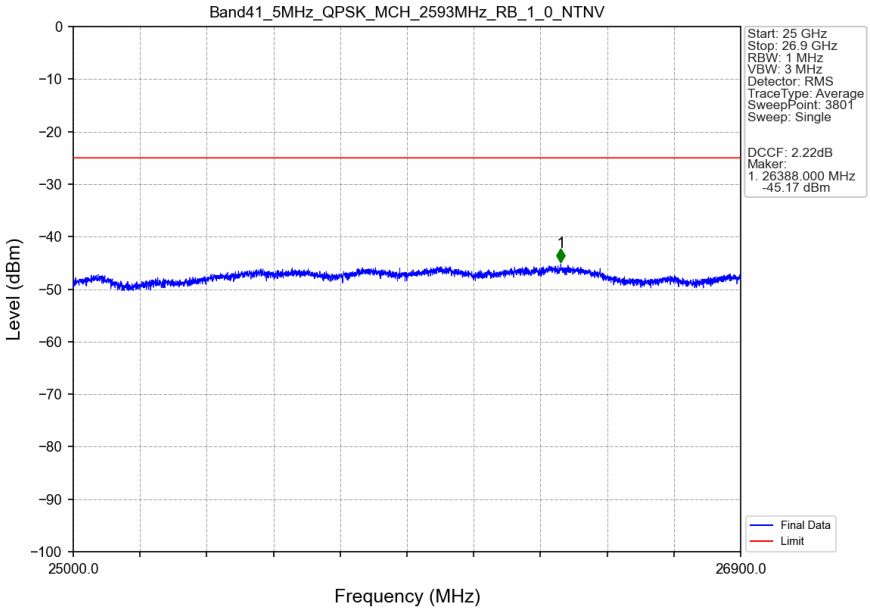
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



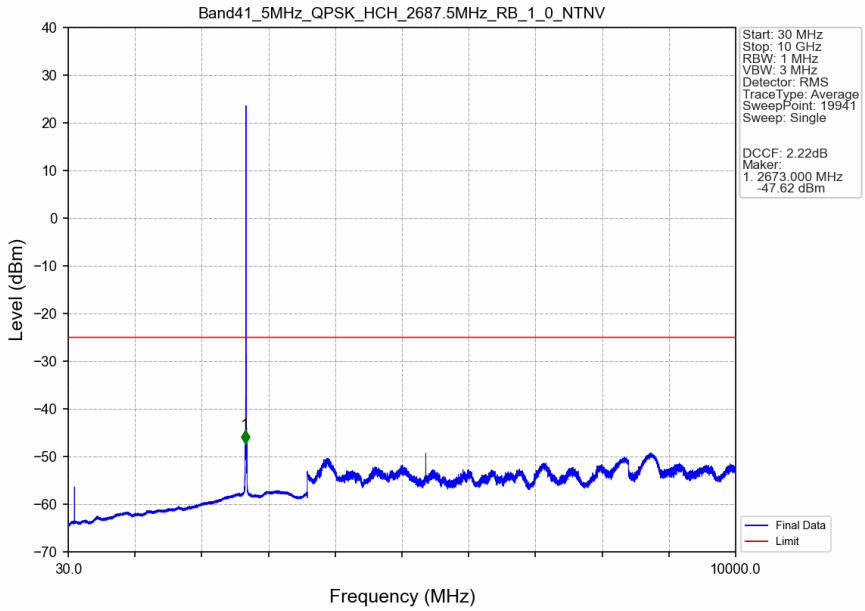
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



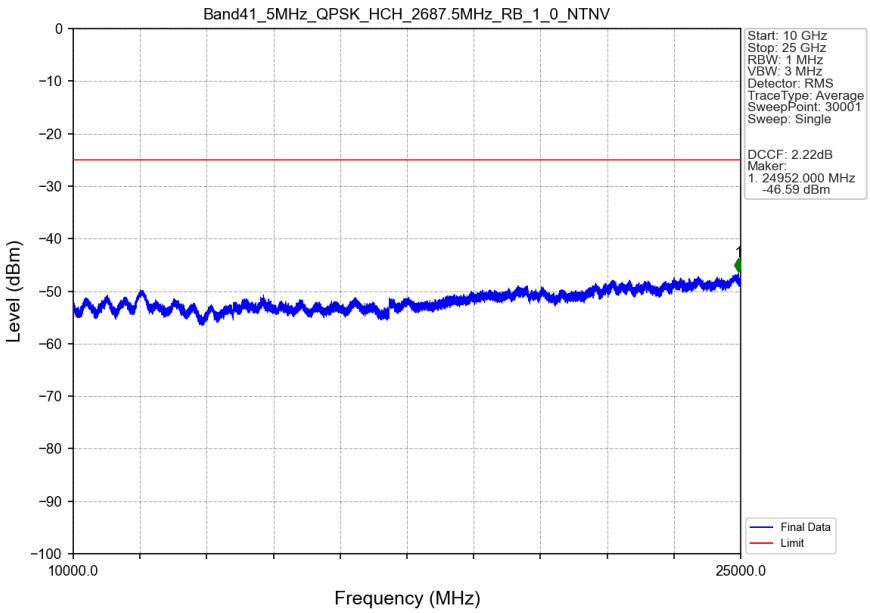
Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



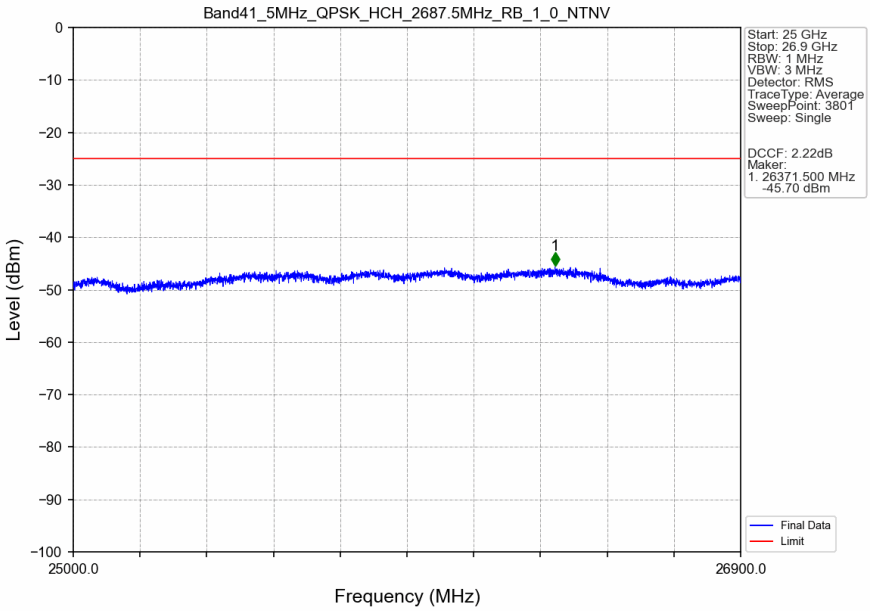
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



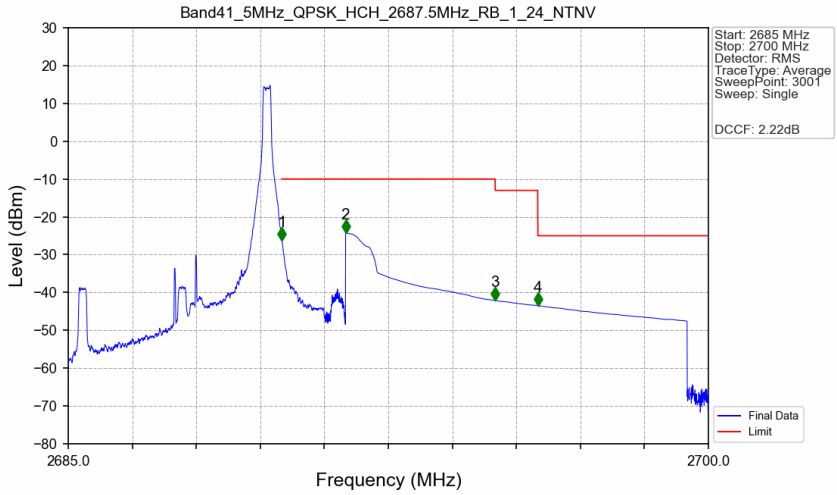
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV



Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_0_NTNV

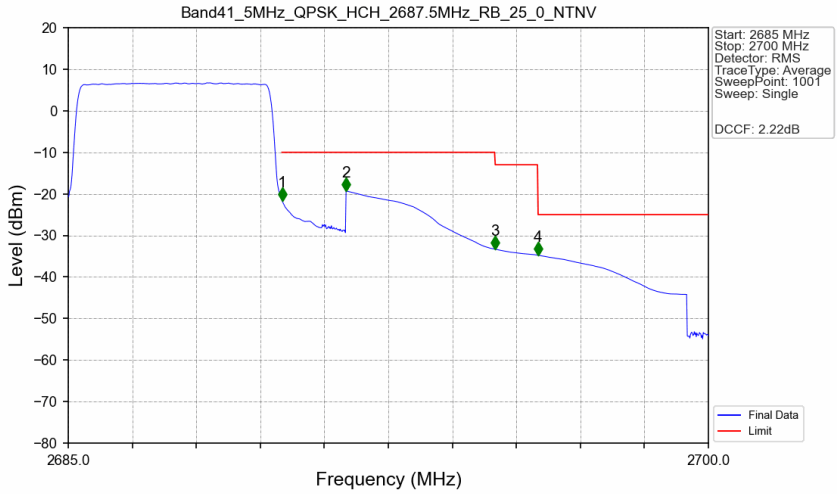


Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



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	-26.21	-10	Pass
2691	2695	1	CHP	2	2691.500	-24.25	-10	Pass
2695	2696	1	CHP	3	2695.005	-42.13	-13	Pass
2696	2700	1	CHP	4	2696.005	-43.50	-25	Pass

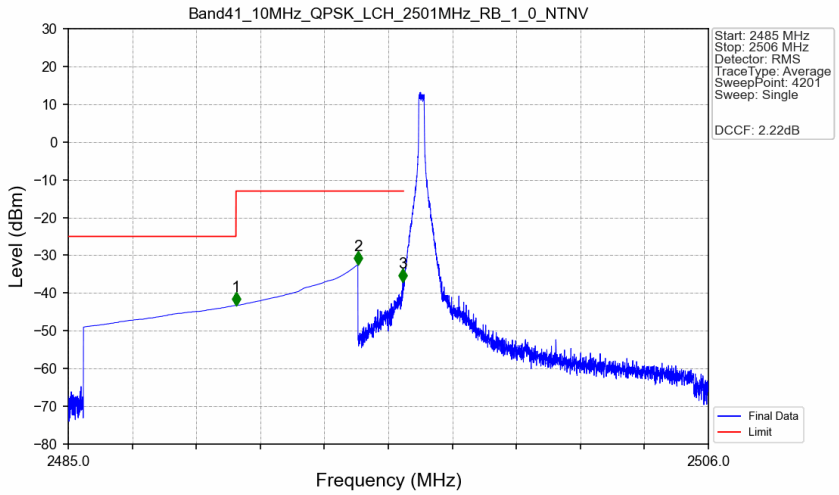
Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.105	CHP	/	/	/	/	/
2690	2691	0.105	CHP	1	2690.010	-21.68	-10	Pass
2691	2695	1	CHP	2	2691.510	-19.32	-10	Pass
2695	2696	1	CHP	3	2695.005	-33.33	-13	Pass
2696	2700	1	CHP	4	2696.010	-34.79	-25	Pass

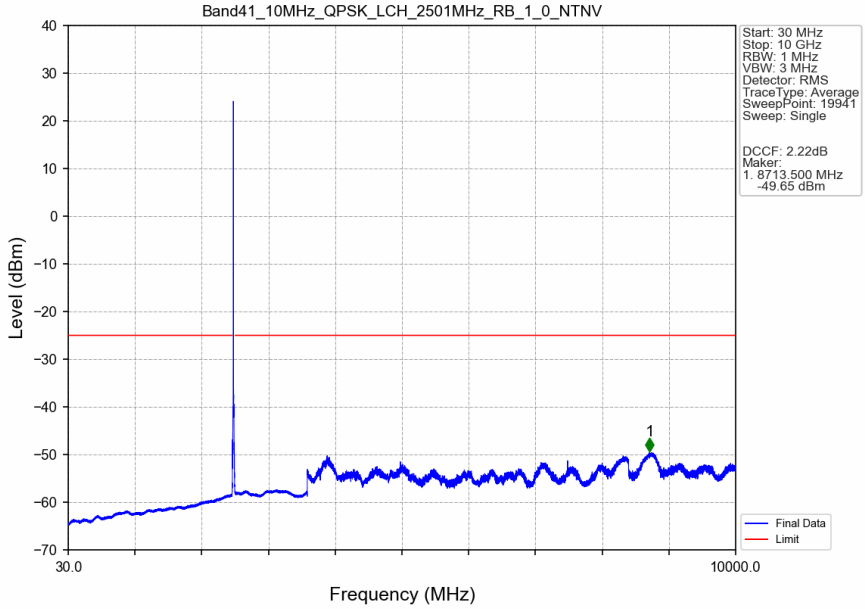
5.2.2 B41_10MHz

Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

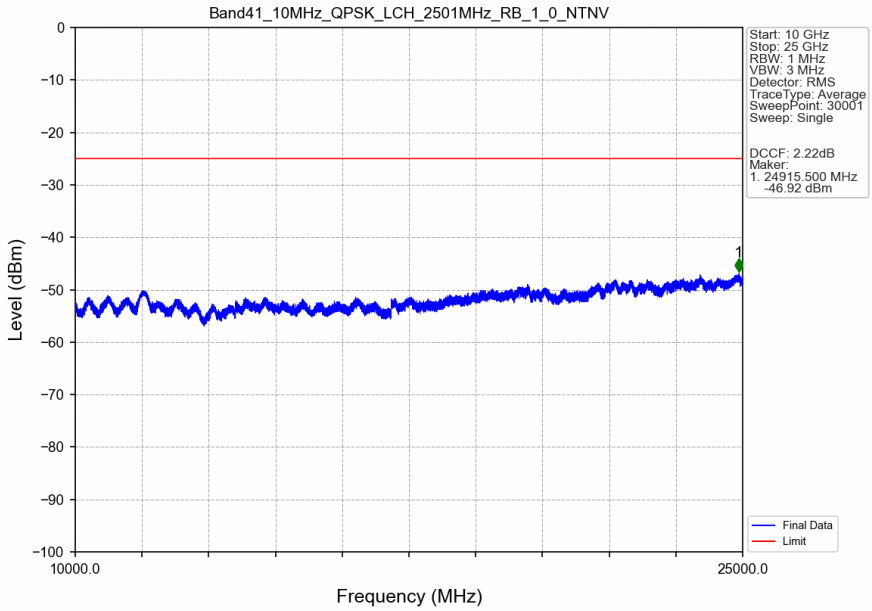


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-43.27	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-32.48	-13	Pass
2495	2496	0.01	/	3	2495.975	-37.07	-13	Pass
2496	2506	0.01	/	/	/	/	/	/

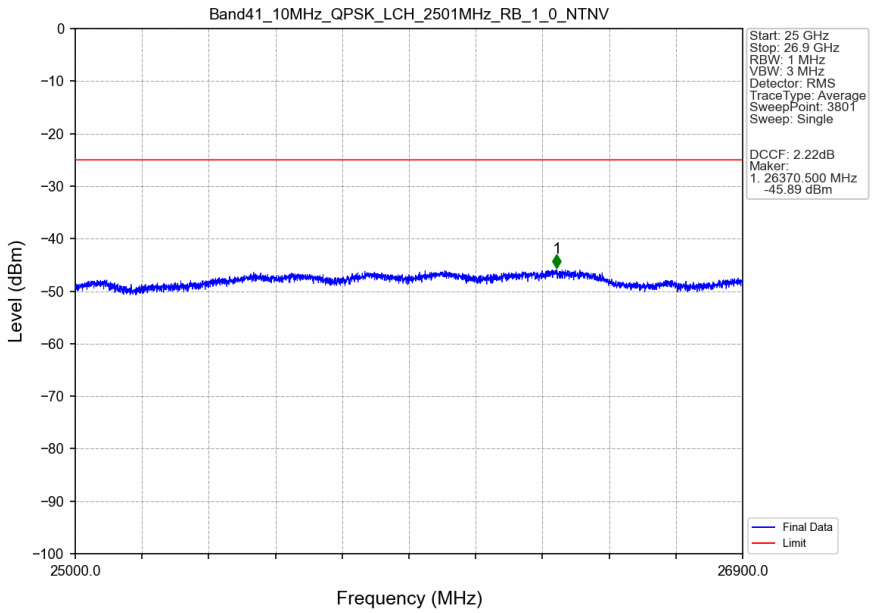
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



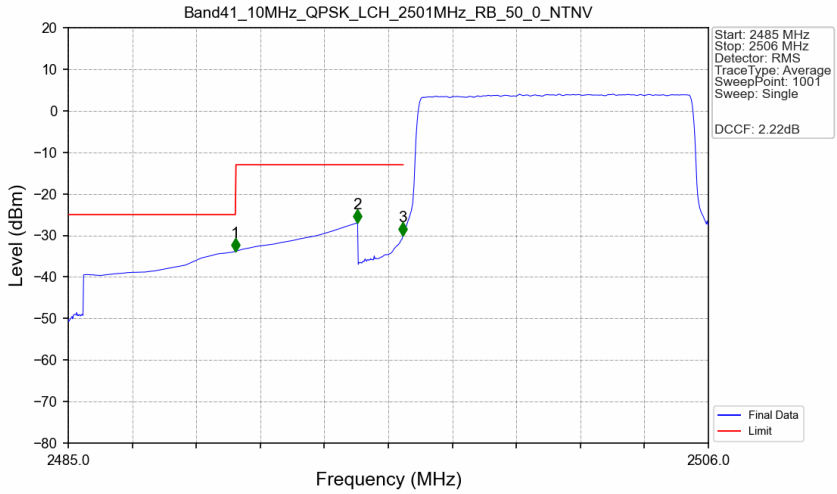
Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_LCH_2501MHz_RB_1_0_NTNV

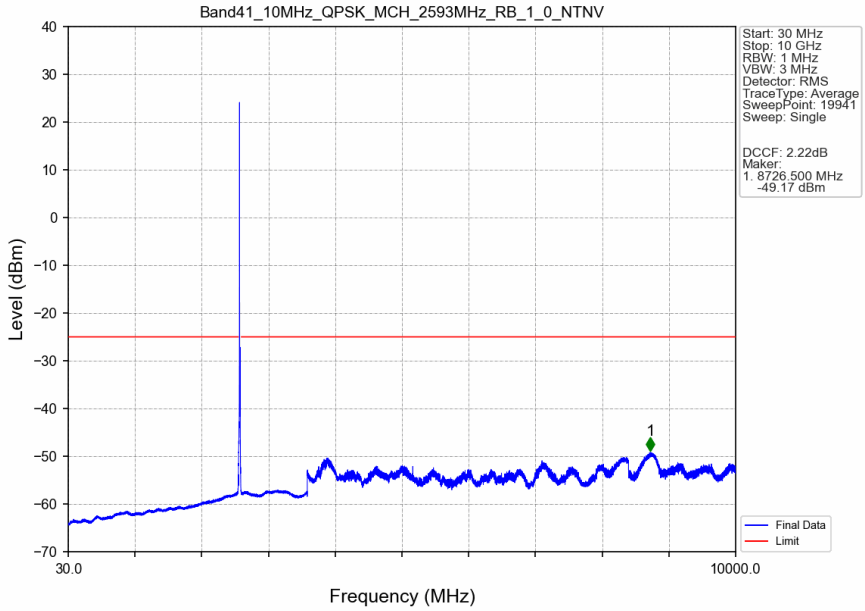


Band41_10MHz_QPSK_LCH_2501MHz_RB_50_0_NTNV

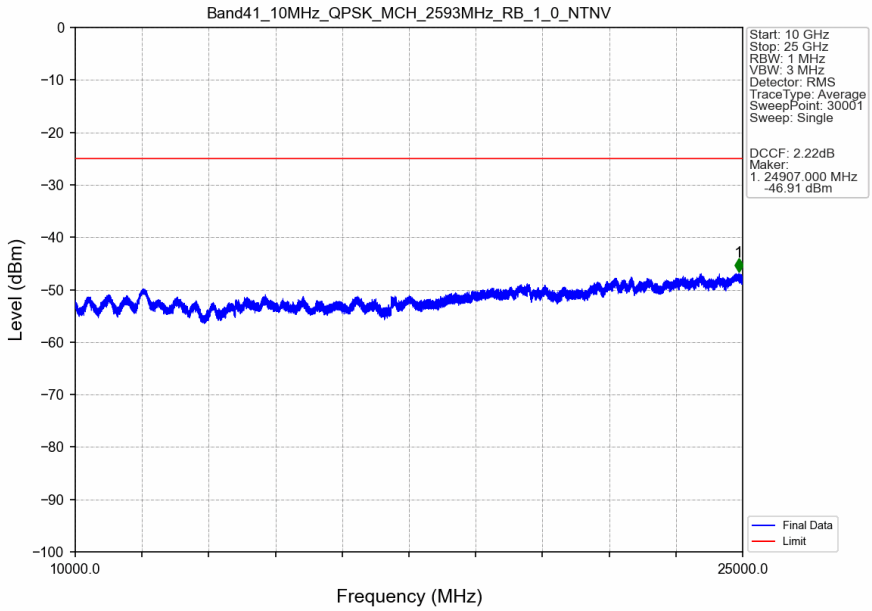


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.481	-33.83	-25	Pass
2490.5	2495	1	CHP	2	2494.492	-26.97	-13	Pass
2495	2496	0.103	CHP	3	2495.983	-30.12	-13	Pass
2496	2506	0.103	CHP	/	/	/	/	/

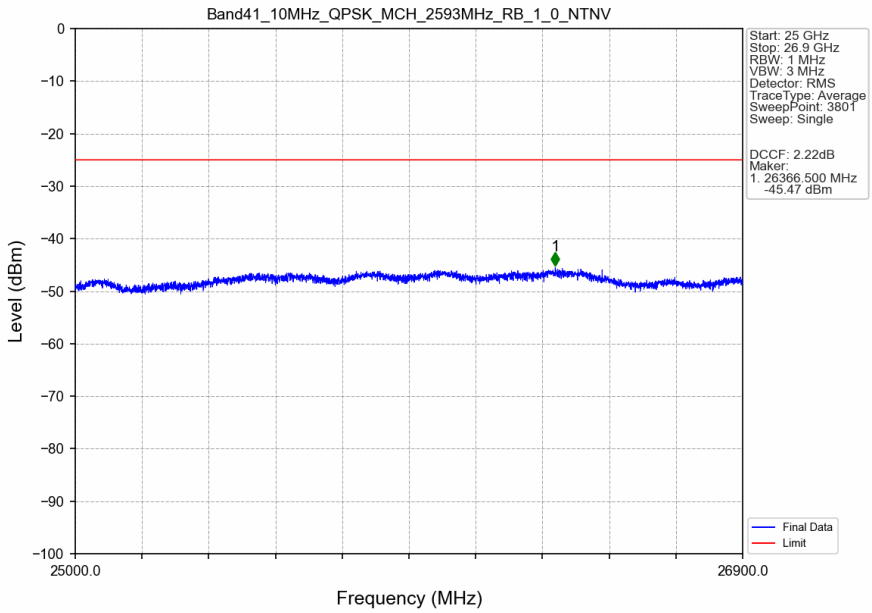
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



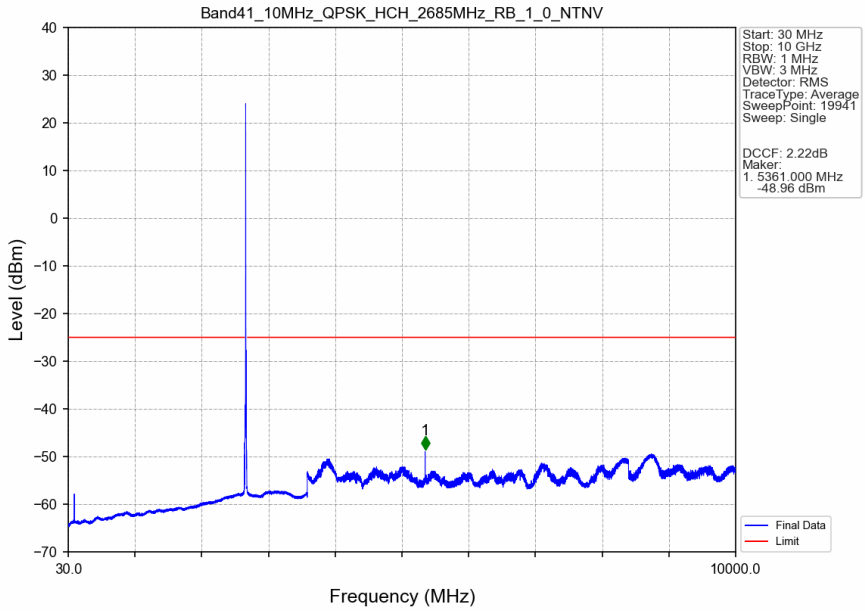
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



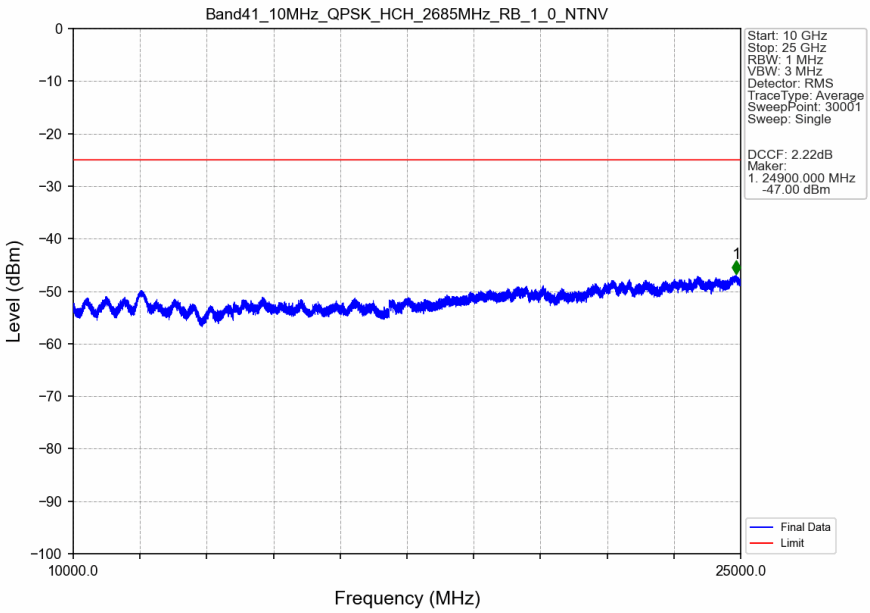
Band41_10MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



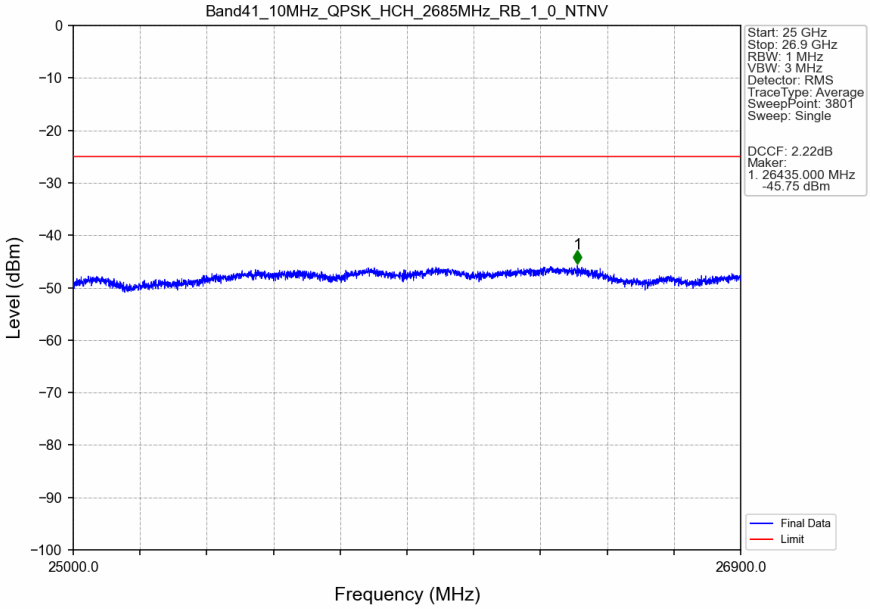
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



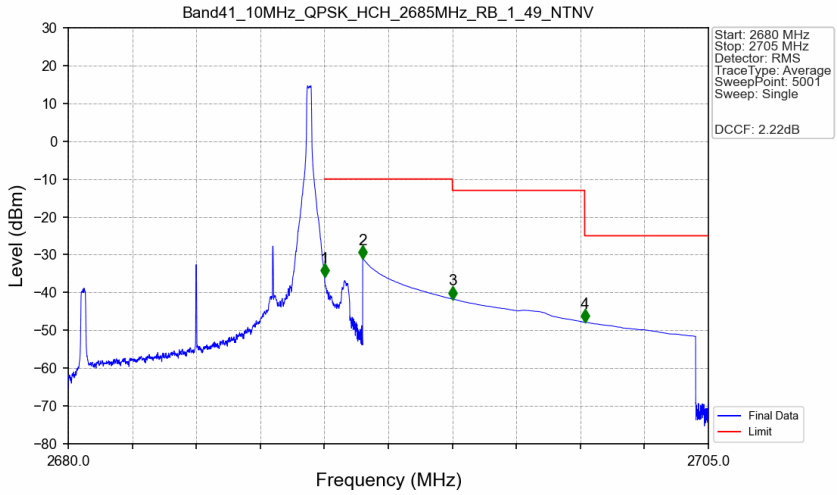
Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV



Band41_10MHz_QPSK_HCH_2685MHz_RB_1_0_NTNV

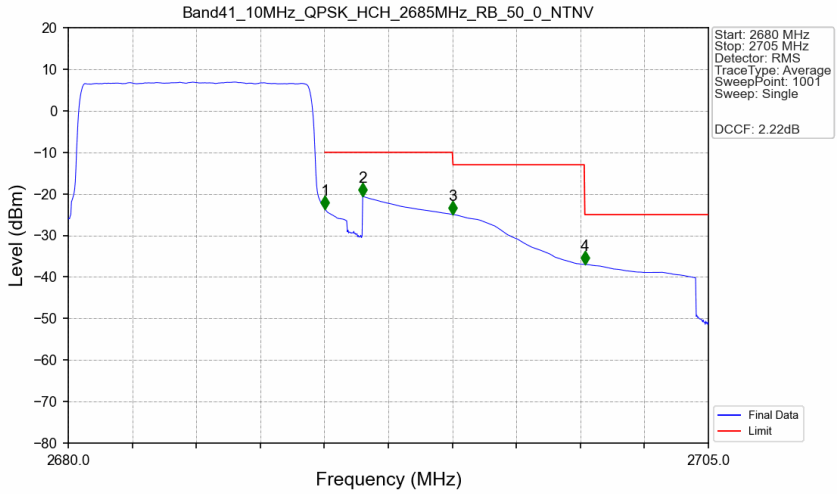


Band41_10MHz_QPSK_HCH_2685MHz_RB_1_49_NTNV



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	-35.86	-10	Pass
2691	2695	1	CHP	2	2691.500	-30.97	-10	Pass
2695	2700.168	1	CHP	3	2695.005	-41.77	-13	Pass
2700.168	2705	1	CHP	4	2700.180	-47.86	-25	Pass

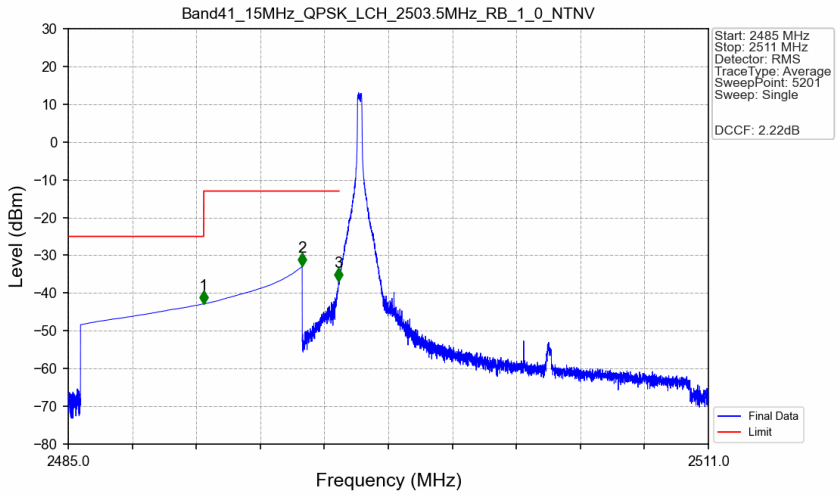
Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.203	CHP	/	/	/	/	/
2690	2691	0.203	CHP	1	2690.025	-23.66	-10	Pass
2691	2695	1	CHP	2	2691.500	-20.60	-10	Pass
2695	2700.168	1	CHP	3	2695.025	-24.99	-13	Pass
2700.168	2705	1	CHP	4	2700.175	-36.98	-25	Pass

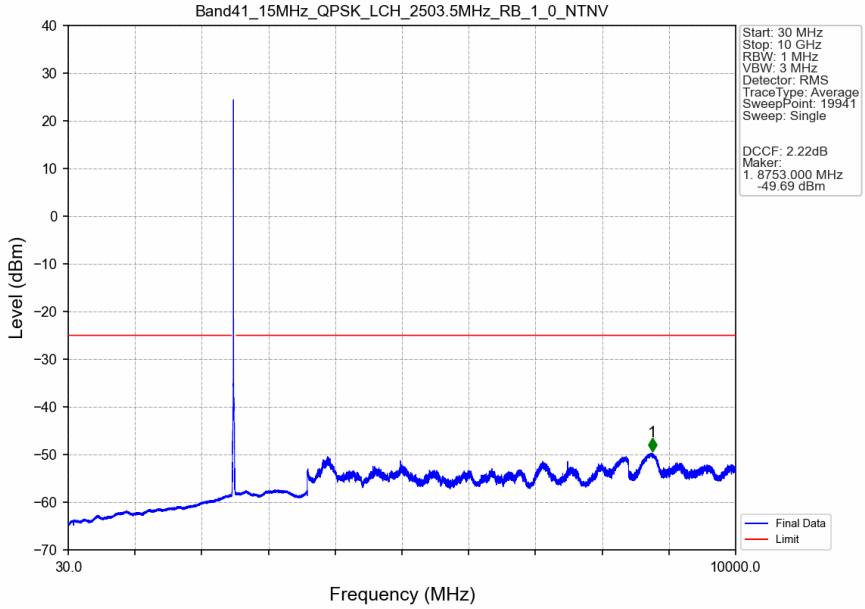
5.2.3 B41_15MHz

Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

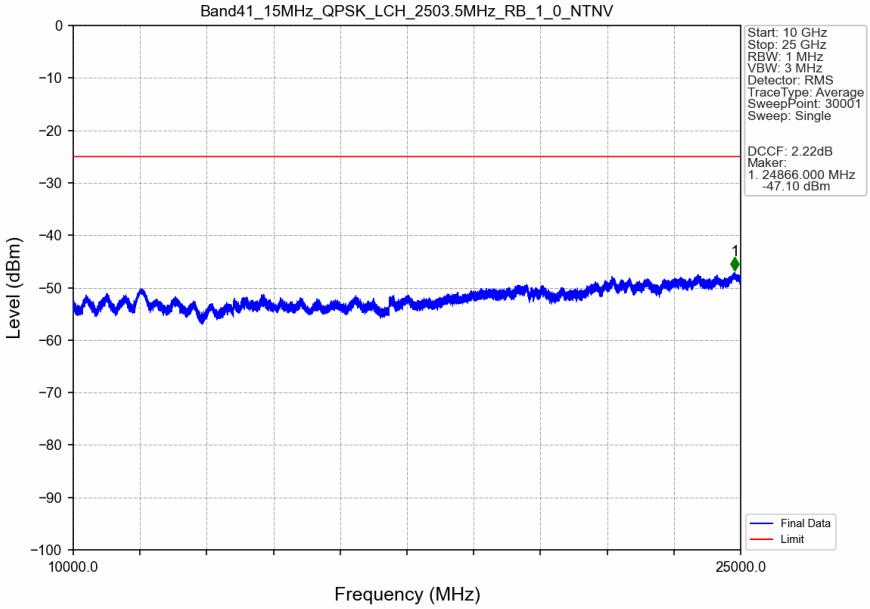


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.500	-42.82	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-32.94	-13	Pass
2495	2496	0.01	/	3	2495.980	-36.96	-13	Pass
2496	2511	0.01	/	/	/	/	/	/

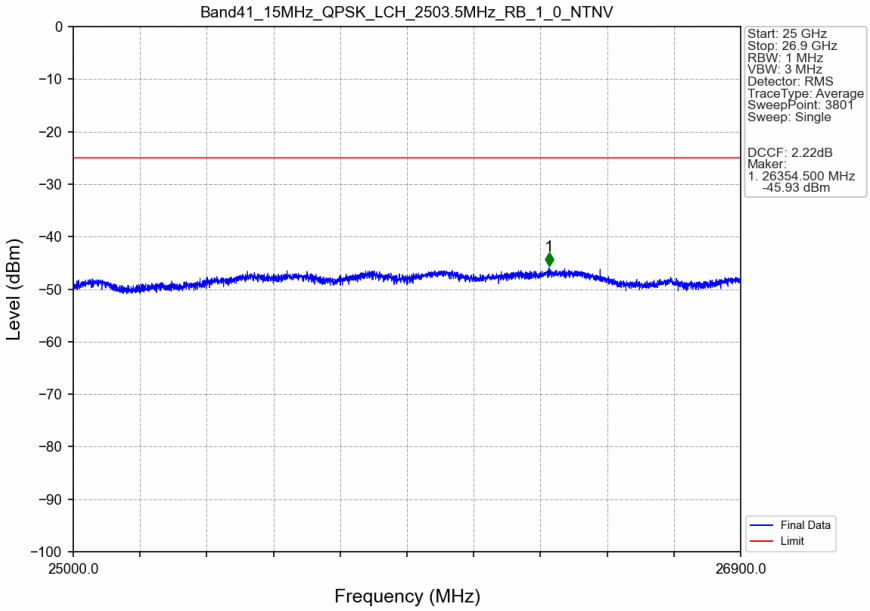
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



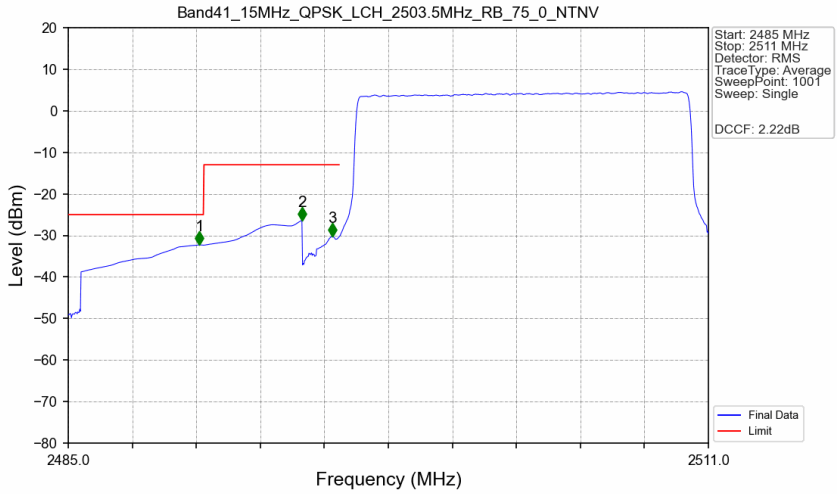
Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_LCH_2503.5MHz_RB_1_0_NTNV

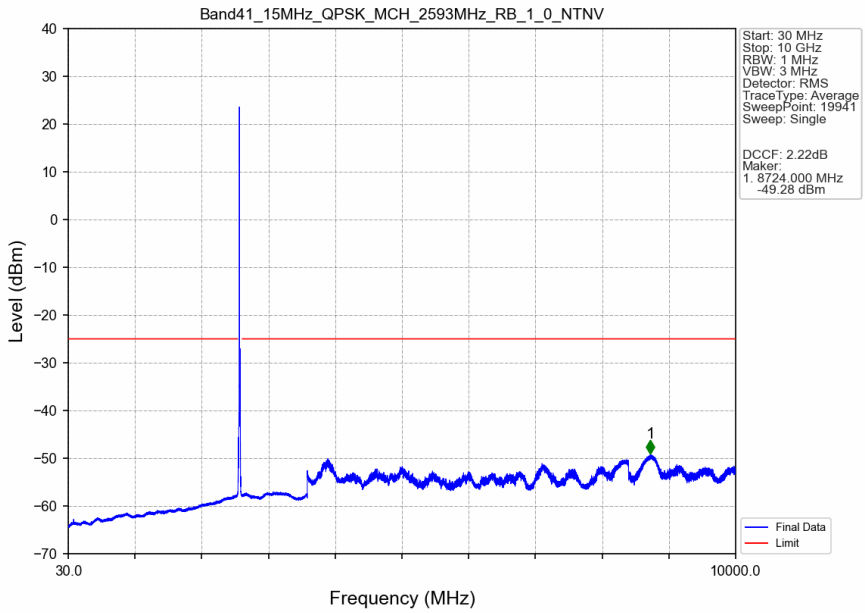


Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV

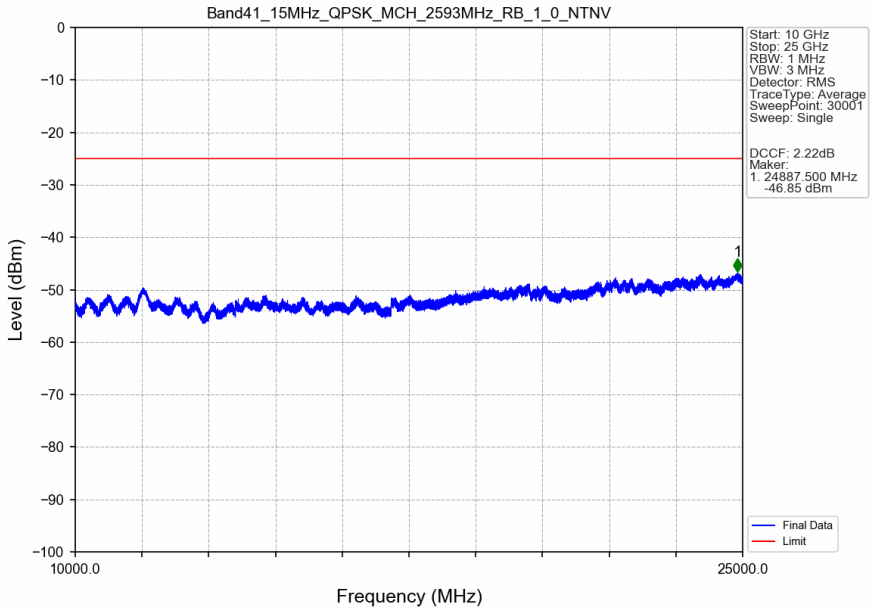


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.330	-32.30	-25	Pass
2490.5	2495	1	CHP	2	2494.490	-26.40	-13	Pass
2495	2496	0.155	CHP	3	2495.712	-30.21	-13	Pass
2496	2511	0.155	CHP	/	/	/	/	/

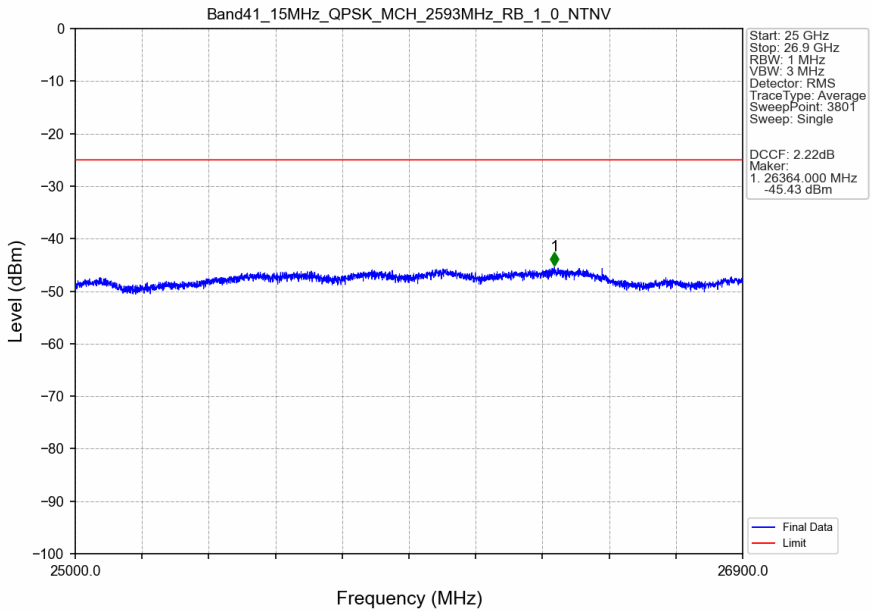
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



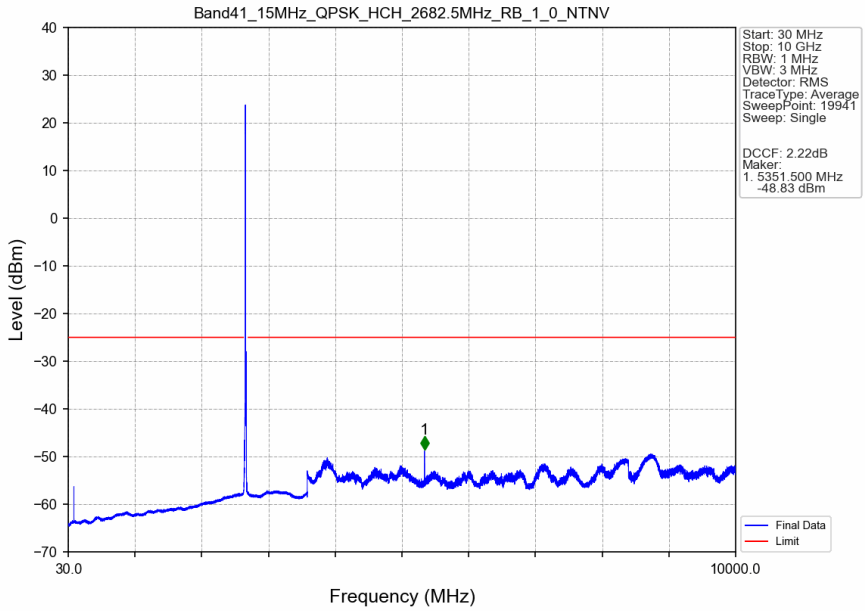
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



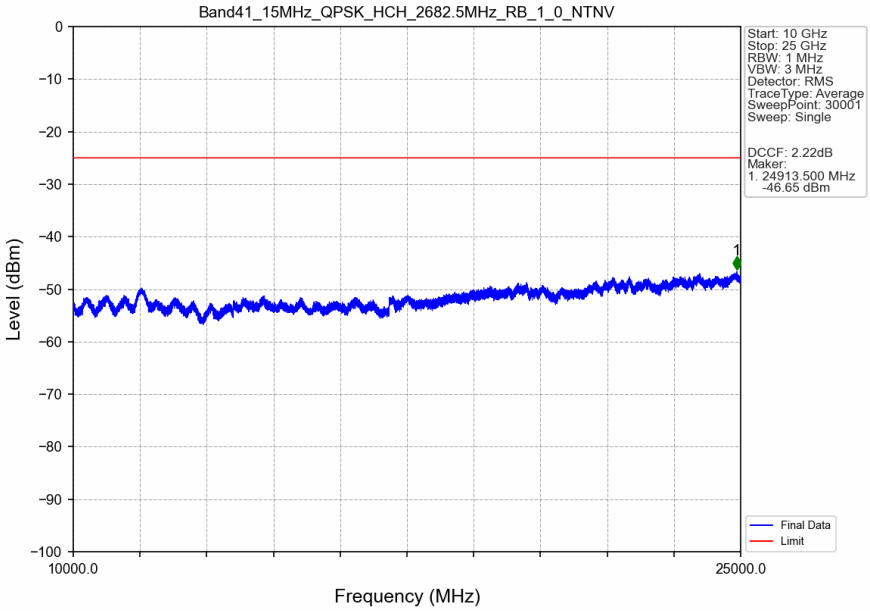
Band41_15MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



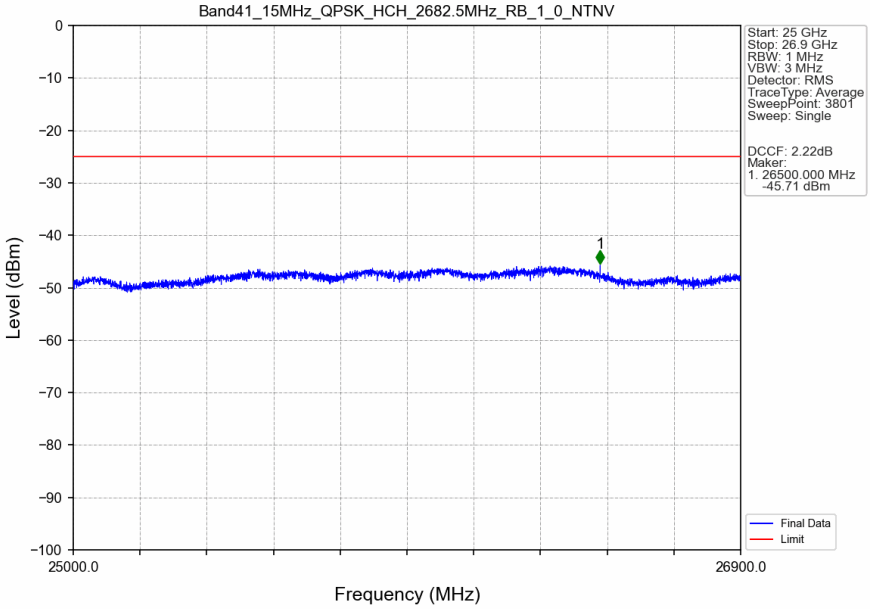
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



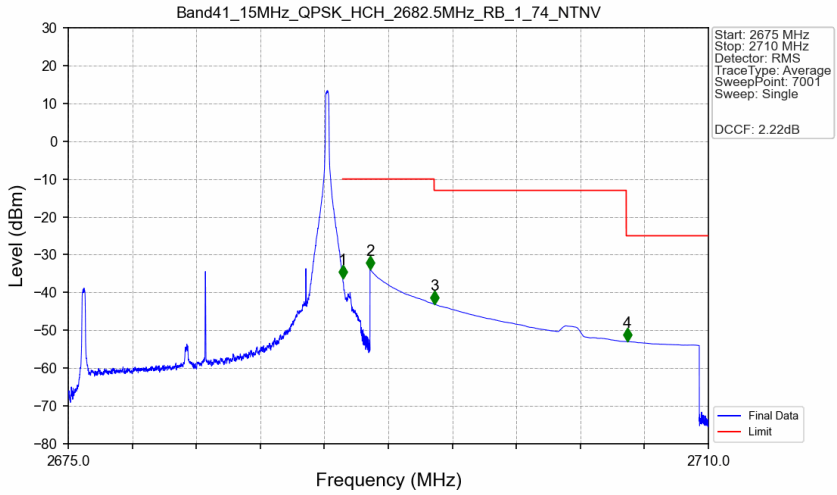
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV



Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_0_NTNV

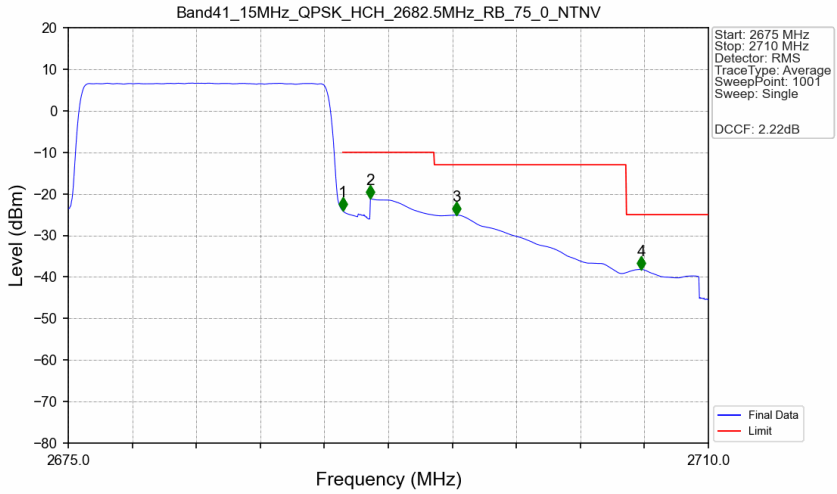


Band41_15MHz_QPSK_HCH_2682.5MHz_RB_1_74_NTNV



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	-36.35	-10	Pass
2691	2695	1	CHP	2	2691.500	-33.85	-10	Pass
2695	2705.506	1	CHP	3	2695.015	-43.10	-13	Pass
2705.506	2710	1	CHP	4	2705.555	-52.98	-25	Pass

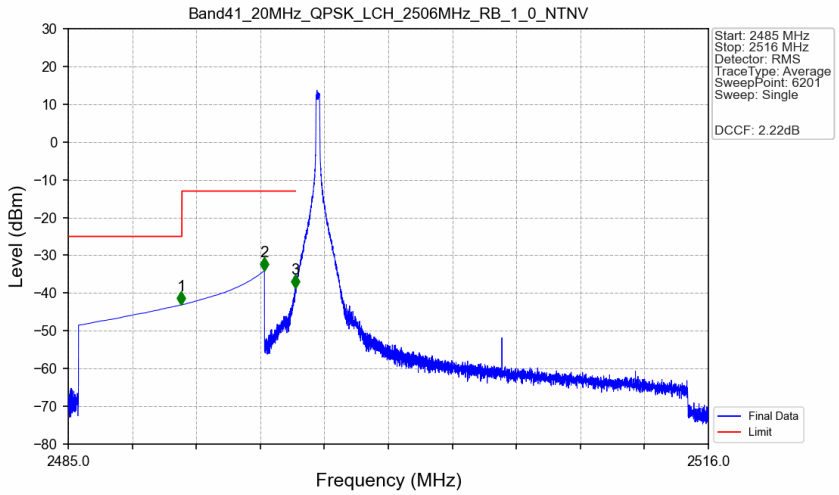
Band41_15MHz_QPSK_HCH_2682.5MHz_RB_75_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.31	CHP	/	/	/	/	/
2690	2691	0.31	CHP	1	2690.015	-24.10	-10	Pass
2691	2695	1	CHP	2	2691.520	-21.16	-10	Pass
2695	2705.506	1	CHP	3	2696.210	-25.11	-13	Pass
2705.506	2710	1	CHP	4	2706.325	-38.18	-25	Pass

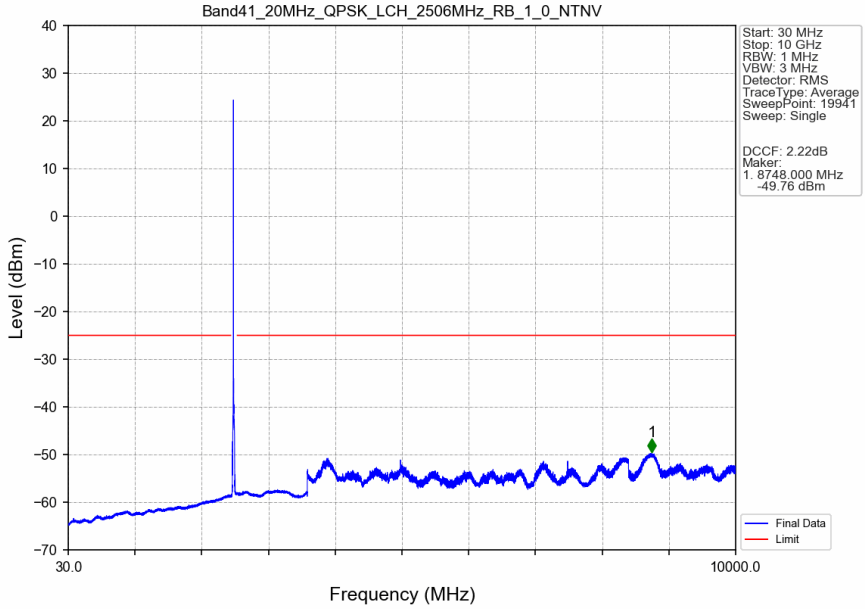
5.2.4 B41_20MHz

Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

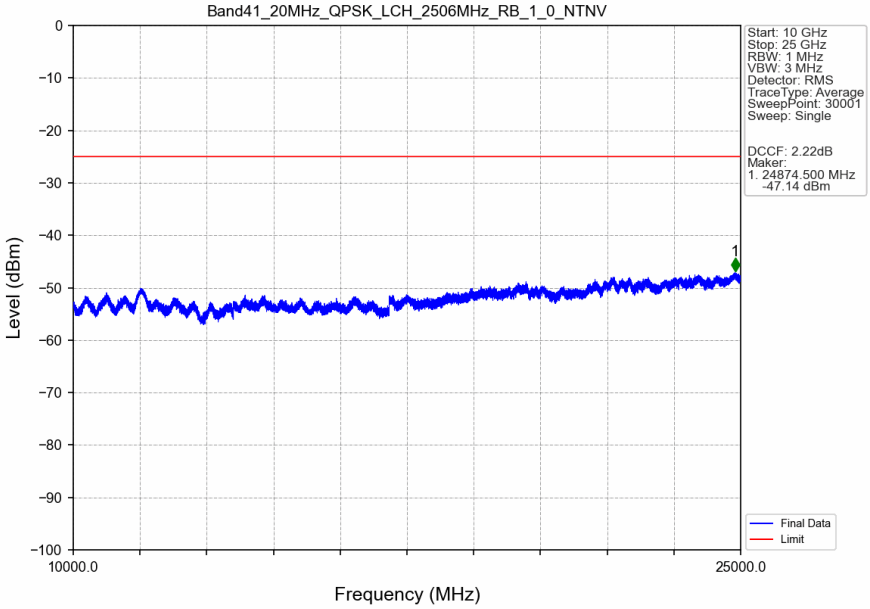


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.475	-43.07	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-34.08	-13	Pass
2495	2496	0.01	/	3	2495.990	-38.76	-13	Pass
2496	2516	0.01	/	/	/	/	/	/

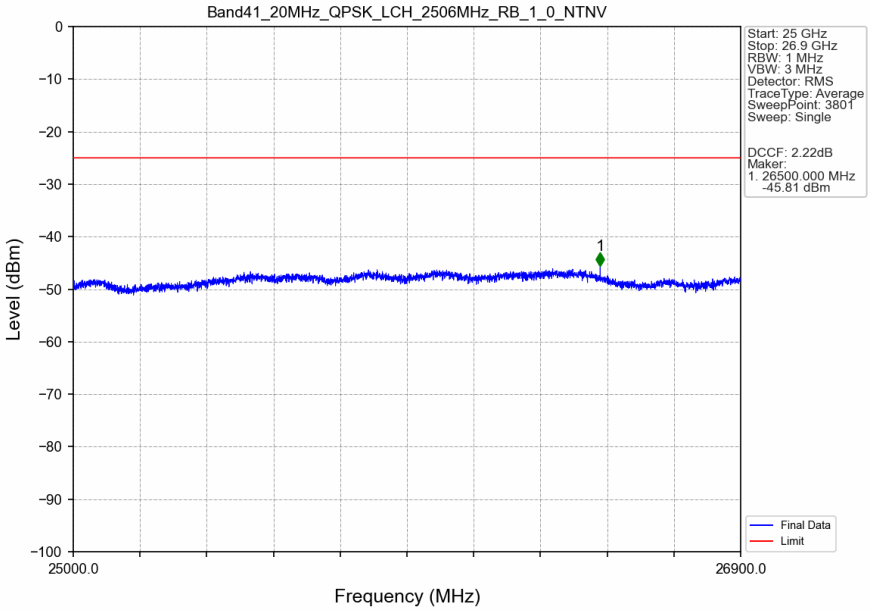
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



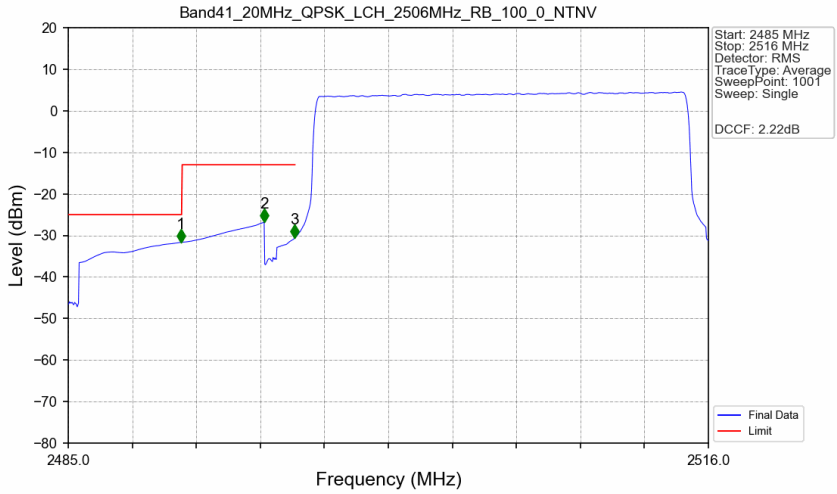
Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_LCH_2506MHz_RB_1_0_NTNV

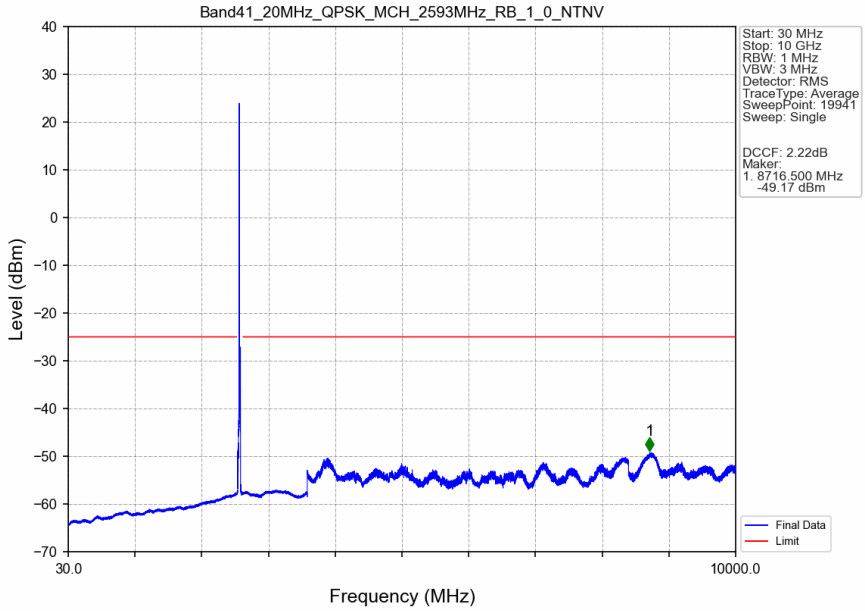


Band41_20MHz_QPSK_LCH_2506MHz_RB_100_0_NTNV

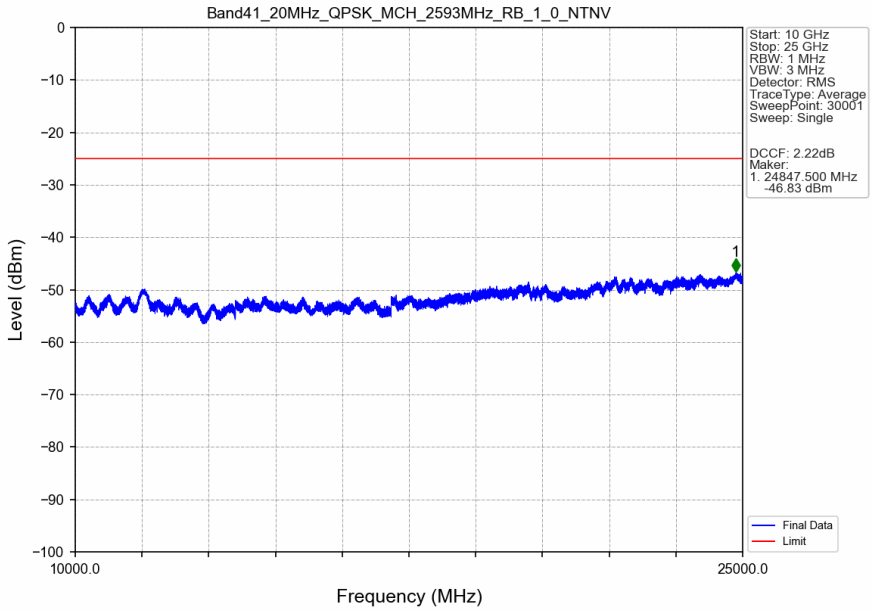


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.456	-31.67	-25	Pass
2490.5	2495	1	CHP	2	2494.486	-26.83	-13	Pass
2495	2496	0.209	CHP	3	2495.974	-30.59	-13	Pass
2496	2516	0.209	CHP	/	/	/	/	/

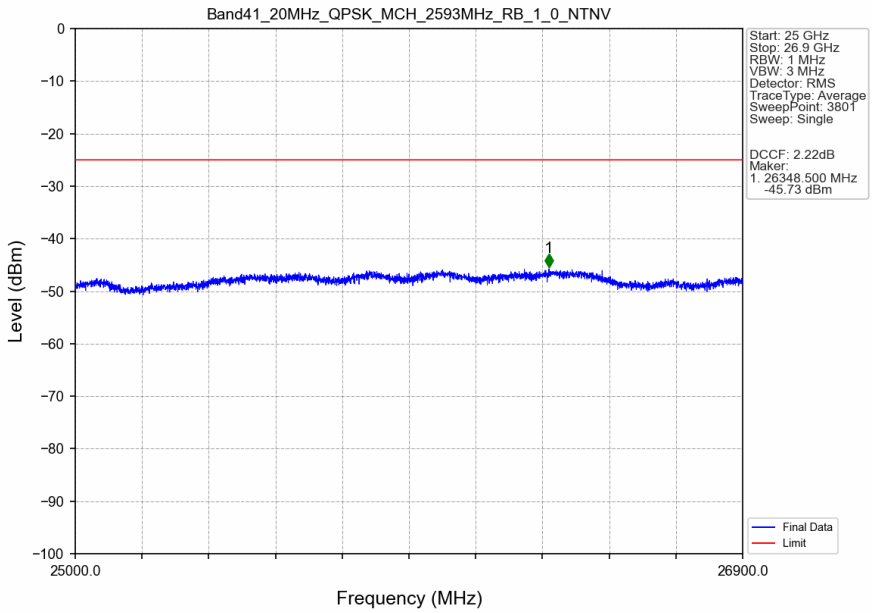
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



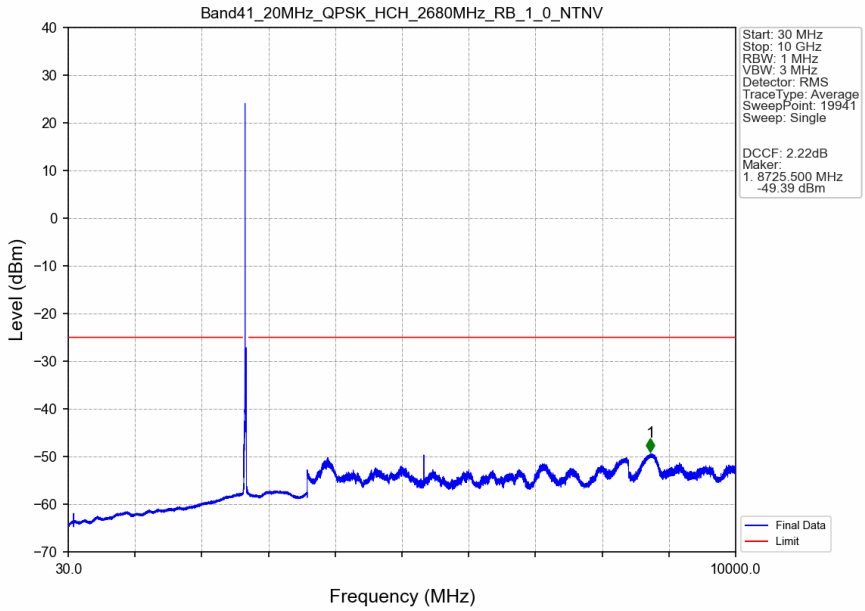
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



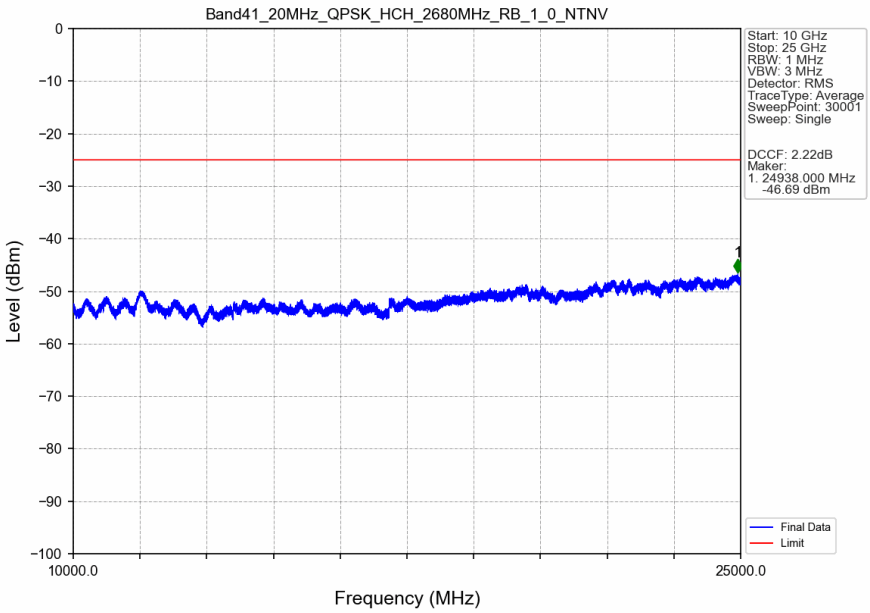
Band41_20MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



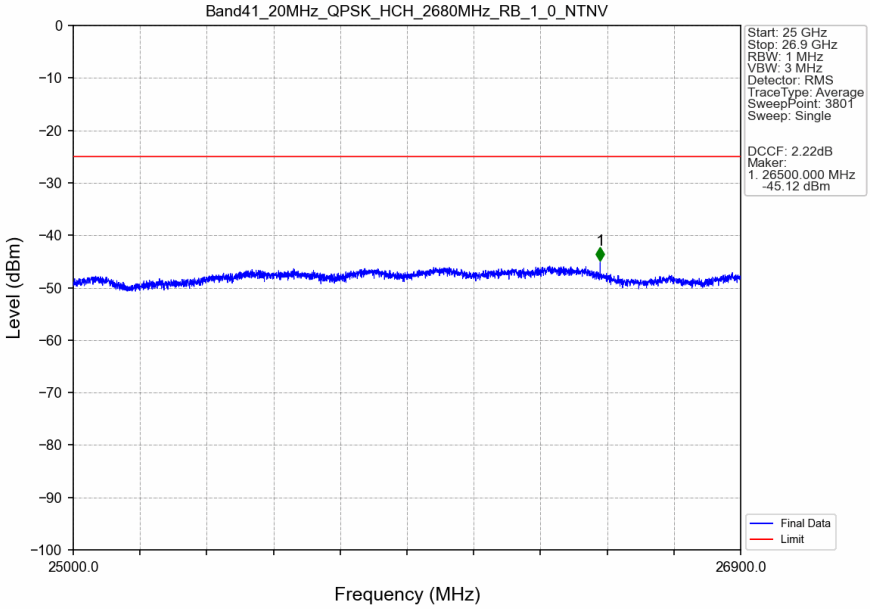
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



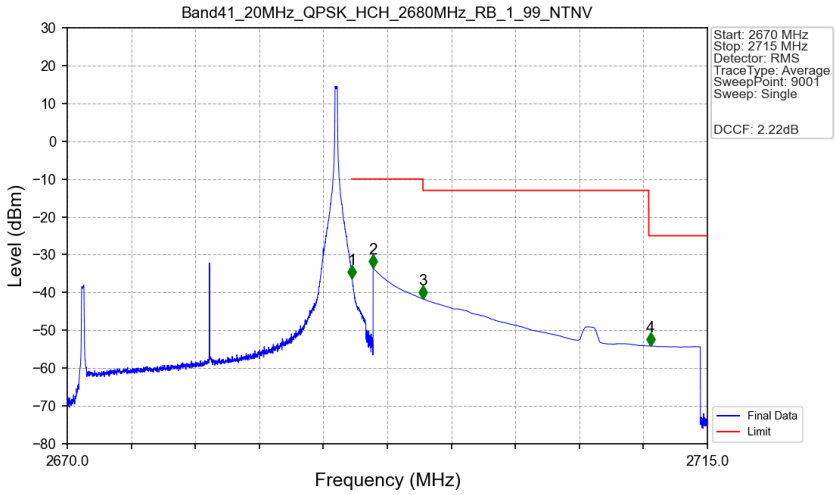
Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV



Band41_20MHz_QPSK_HCH_2680MHz_RB_1_0_NTNV

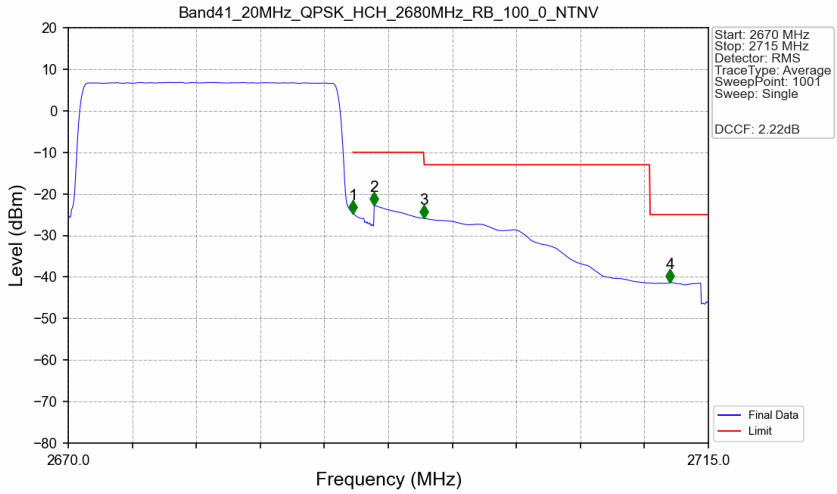


Band41_20MHz_QPSK_HCH_2680MHz_RB_1_99_NTNV



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	-36.30	-10	Pass
2691	2695	1	CHP	2	2691.500	-33.48	-10	Pass
2695	2710.873	1	CHP	3	2695.005	-41.70	-13	Pass
2710.873	2715	1	CHP	4	2711.000	-54.12	-25	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	0.417	CHP	/	/	/	/	/
2690	2691	0.417	CHP	1	2690.025	-24.72	-10	Pass
2691	2695	1	CHP	2	2691.510	-22.81	-10	Pass
2695	2710.873	1	CHP	3	2695.020	-25.92	-13	Pass
2710.873	2715	1	CHP	4	2712.300	-41.35	-25	Pass

6. Field Strength of Spurious Radiation

LTE Band 41 ANT3-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	-57.9	-25	-32.9	-63.46	4.57	10.13	Horizontal	Pass
7491.0	-56.93	-25	-31.93	-63.72	4.94	11.73	Horizontal	Pass
9988.0	-56.63	-25	-31.63	-64.21	5.46	13.04	Horizontal	Pass
4994.0	-58.63	-25	-33.63	-64.19	4.57	10.13	Vertical	Pass
7491.0	-53.75	-25	-28.75	-60.54	4.94	11.73	Vertical	Pass
9988.0	-55.19	-25	-30.19	-62.77	5.46	13.04	Vertical	Pass

LTE Band 41 ANT3-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	-58.52	-25	-33.52	-64.14	4.62	10.24	Horizontal	Pass
7752.0	-58.83	-25	-33.83	-65.91	4.96	12.04	Horizontal	Pass
10336.0	-56.49	-25	-31.49	-64.07	5.51	13.09	Horizontal	Pass
5168.0	-59.59	-25	-34.59	-65.21	4.62	10.24	Vertical	Pass
7752.0	-57.67	-25	-32.67	-64.75	4.96	12.04	Vertical	Pass
10336.0	-56.16	-25	-31.16	-63.74	5.51	13.09	Vertical	Pass

LTE Band 41 ANT3-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	-59.84	-25	-34.84	-65.51	4.68	10.35	Horizontal	Pass
8013.0	-57.38	-25	-32.38	-64.75	4.98	12.35	Horizontal	Pass
10684.0	-56.24	-25	-31.24	-63.79	5.63	13.18	Horizontal	Pass
5342.0	-61.11	-25	-36.11	-66.78	4.68	10.35	Vertical	Pass
8013.0	-56.84	-25	-31.84	-64.21	4.98	12.35	Vertical	Pass
10684.0	-56.33	-25	-31.33	-63.88	5.63	13.18	Vertical	Pass