

# 1. Effective (Isotropic) Radiated Power Output Data

## 1.1 Test Result

### 1.1.1 B41\_5MHz\_EIRP

Band: 41 / Bandwidth: 5MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2498.5	1	0	24.27	-0.92	23.35	<=33.01	Pass	
			13	24.33	-0.92	23.41	<=33.01	Pass	
			24	24.39	-0.92	23.47	<=33.01	Pass	
		12	0	23.37	-0.92	22.45	<=33.01	Pass	
			6	23.41	-0.92	22.49	<=33.01	Pass	
			13	23.37	-0.92	22.45	<=33.01	Pass	
		25	0	23.37	-0.92	22.45	<=33.01	Pass	
		2593	1	0	24.27	-0.92	23.35	<=33.01	Pass
				13	24.23	-0.92	23.31	<=33.01	Pass
	24			24.18	-0.92	23.26	<=33.01	Pass	
	12		0	23.17	-0.92	22.25	<=33.01	Pass	
			6	23.28	-0.92	22.36	<=33.01	Pass	
			13	23.16	-0.92	22.24	<=33.01	Pass	
	25	0	23.29	-0.92	22.37	<=33.01	Pass		
	2687.5	1	0	24.71	-0.92	23.79	<=33.01	Pass	
			13	25.08	-0.92	24.16	<=33.01	Pass	
			24	25.11	-0.92	24.19	<=33.01	Pass	
		12	0	23.97	-0.92	23.05	<=33.01	Pass	
6			24.00	-0.92	23.08	<=33.01	Pass		
13			23.85	-0.92	22.93	<=33.01	Pass		
25		0	24.00	-0.92	23.08	<=33.01	Pass		
16QAM		2498.5	1	0	23.31	-0.92	22.39	<=33.01	Pass
				13	23.37	-0.92	22.45	<=33.01	Pass
	24			23.48	-0.92	22.56	<=33.01	Pass	
	12		0	22.36	-0.92	21.44	<=33.01	Pass	
			6	22.37	-0.92	21.45	<=33.01	Pass	
			13	22.28	-0.92	21.36	<=33.01	Pass	
	25		0	22.34	-0.92	21.42	<=33.01	Pass	
	2593		1	0	23.23	-0.92	22.31	<=33.01	Pass
				13	23.14	-0.92	22.22	<=33.01	Pass
		24		23.48	-0.92	22.56	<=33.01	Pass	
		12	0	22.22	-0.92	21.30	<=33.01	Pass	
			6	22.29	-0.92	21.37	<=33.01	Pass	
			13	22.25	-0.92	21.33	<=33.01	Pass	
	25	0	22.18	-0.92	21.26	<=33.01	Pass		
	2687.5	1	0	23.85	-0.92	22.93	<=33.01	Pass	
			13	24.02	-0.92	23.10	<=33.01	Pass	
			24	23.98	-0.92	23.06	<=33.01	Pass	
		12	0	22.87	-0.92	21.95	<=33.01	Pass	
6			23.07	-0.92	22.15	<=33.01	Pass		
13			23.06	-0.92	22.14	<=33.01	Pass		
25		0	22.92	-0.92	22.00	<=33.01	Pass		
64QAM		2498.5	1	0	22.32	-0.92	21.40	<=33.01	Pass
				13	22.39	-0.92	21.47	<=33.01	Pass
	24			22.01	-0.92	21.09	<=33.01	Pass	
	12		0	21.35	-0.92	20.43	<=33.01	Pass	
			6	21.39	-0.92	20.47	<=33.01	Pass	
			13	21.37	-0.92	20.45	<=33.01	Pass	
	25		0	21.36	-0.92	20.44	<=33.01	Pass	

	2593	1	0	22.20	-0.92	21.28	<=33.01	Pass
			13	21.94	-0.92	21.02	<=33.01	Pass
			24	22.63	-0.92	21.71	<=33.01	Pass
		12	0	21.12	-0.92	20.20	<=33.01	Pass
			6	21.35	-0.92	20.43	<=33.01	Pass
			13	21.18	-0.92	20.26	<=33.01	Pass
	25	0	21.19	-0.92	20.27	<=33.01	Pass	
	2687.5	1	0	22.60	-0.92	21.68	<=33.01	Pass
			13	22.82	-0.92	21.90	<=33.01	Pass
			24	22.83	-0.92	21.91	<=33.01	Pass
		12	0	21.88	-0.92	20.96	<=33.01	Pass
			6	21.87	-0.92	20.95	<=33.01	Pass
			13	21.87	-0.92	20.95	<=33.01	Pass
		25	0	22.00	-0.92	21.08	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

### 1.1.2 B41\_10MHz\_EIRP

Band: 41 / Bandwidth: 10MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2501	1	0	24.41	-0.92	23.49	<=33.01	Pass	
			25	24.41	-0.92	23.49	<=33.01	Pass	
			49	24.33	-0.92	23.41	<=33.01	Pass	
		25	0	23.36	-0.92	22.44	<=33.01	Pass	
			13	23.37	-0.92	22.45	<=33.01	Pass	
			25	23.36	-0.92	22.44	<=33.01	Pass	
	50	0	23.39	-0.92	22.47	<=33.01	Pass		
	2593	1	0	24.13	-0.92	23.21	<=33.01	Pass	
			25	24.35	-0.92	23.43	<=33.01	Pass	
			49	24.29	-0.92	23.37	<=33.01	Pass	
		25	0	23.13	-0.92	22.21	<=33.01	Pass	
			13	23.23	-0.92	22.31	<=33.01	Pass	
			25	23.21	-0.92	22.29	<=33.01	Pass	
	50	0	23.31	-0.92	22.39	<=33.01	Pass		
	2685	1	0	24.79	-0.92	23.87	<=33.01	Pass	
			25	25.05	-0.92	24.13	<=33.01	Pass	
			49	25.15	-0.92	24.23	<=33.01	Pass	
		25	0	23.87	-0.92	22.95	<=33.01	Pass	
			13	23.85	-0.92	22.93	<=33.01	Pass	
			25	23.99	-0.92	23.07	<=33.01	Pass	
	50	0	23.96	-0.92	23.04	<=33.01	Pass		
	16QAM	2501	1	0	23.33	-0.92	22.41	<=33.01	Pass
				25	23.41	-0.92	22.49	<=33.01	Pass
				49	23.37	-0.92	22.45	<=33.01	Pass
25			0	22.36	-0.92	21.44	<=33.01	Pass	
			13	22.41	-0.92	21.49	<=33.01	Pass	
			25	22.40	-0.92	21.48	<=33.01	Pass	
50		0	22.34	-0.92	21.42	<=33.01	Pass		
2593		1	0	22.99	-0.92	22.07	<=33.01	Pass	
			25	23.07	-0.92	22.15	<=33.01	Pass	
			49	23.09	-0.92	22.17	<=33.01	Pass	
		25	0	22.25	-0.92	21.33	<=33.01	Pass	
			13	22.29	-0.92	21.37	<=33.01	Pass	
			25	22.32	-0.92	21.40	<=33.01	Pass	
50		0	22.19	-0.92	21.27	<=33.01	Pass		
2685		1	0	23.49	-0.92	22.57	<=33.01	Pass	

64QAM	2501	25	25	23.48	-0.92	22.56	<=33.01	Pass		
			49	23.80	-0.92	22.88	<=33.01	Pass		
			0	22.91	-0.92	21.99	<=33.01	Pass		
		50	1	13	22.93	-0.92	22.01	<=33.01	Pass	
				25	22.89	-0.92	21.97	<=33.01	Pass	
				0	22.97	-0.92	22.05	<=33.01	Pass	
		2593	1	0	22.56	-0.92	21.64	<=33.01	Pass	
				25	22.00	-0.92	21.08	<=33.01	Pass	
				49	22.52	-0.92	21.60	<=33.01	Pass	
			25	0	21.30	-0.92	20.38	<=33.01	Pass	
				13	21.32	-0.92	20.40	<=33.01	Pass	
				25	21.37	-0.92	20.45	<=33.01	Pass	
			2685	1	0	21.37	-0.92	20.45	<=33.01	Pass
					0	21.93	-0.92	21.01	<=33.01	Pass
					25	21.99	-0.92	21.07	<=33.01	Pass
2593	1	49	22.37	-0.92	21.45	<=33.01	Pass			
		0	21.28	-0.92	20.36	<=33.01	Pass			
		13	21.30	-0.92	20.38	<=33.01	Pass			
	25	25	21.29	-0.92	20.37	<=33.01	Pass			
		0	21.23	-0.92	20.31	<=33.01	Pass			
		0	22.60	-0.92	21.68	<=33.01	Pass			
	2685	1	25	22.55	-0.92	21.63	<=33.01	Pass		
			49	22.64	-0.92	21.72	<=33.01	Pass		
			0	21.91	-0.92	20.99	<=33.01	Pass		
25		13	22.05	-0.92	21.13	<=33.01	Pass			
		25	21.90	-0.92	20.98	<=33.01	Pass			
		0	21.85	-0.92	20.93	<=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	24.32	-0.92	23.40	<=33.01	Pass	
			38	24.35	-0.92	23.43	<=33.01	Pass	
			74	24.24	-0.92	23.32	<=33.01	Pass	
		36	0	23.30	-0.92	22.38	<=33.01	Pass	
			18	23.32	-0.92	22.40	<=33.01	Pass	
			39	23.30	-0.92	22.38	<=33.01	Pass	
		2593	1	0	23.38	-0.92	22.46	<=33.01	Pass
				0	24.26	-0.92	23.34	<=33.01	Pass
				38	24.21	-0.92	23.29	<=33.01	Pass
	36		74	24.15	-0.92	23.23	<=33.01	Pass	
			0	23.14	-0.92	22.22	<=33.01	Pass	
			18	23.20	-0.92	22.28	<=33.01	Pass	
	2682.5		1	39	23.27	-0.92	22.35	<=33.01	Pass
				75	23.18	-0.92	22.26	<=33.01	Pass
				0	24.62	-0.92	23.70	<=33.01	Pass
		36	38	24.97	-0.92	24.05	<=33.01	Pass	
			74	25.14	-0.92	24.22	<=33.01	Pass	
			0	23.64	-0.92	22.72	<=33.01	Pass	
		75	18	23.71	-0.92	22.79	<=33.01	Pass	
			39	23.80	-0.92	22.88	<=33.01	Pass	
			0	23.91	-0.92	22.99	<=33.01	Pass	
	16QAM	2503.5	1	0	23.35	-0.92	22.43	<=33.01	Pass
				38	23.36	-0.92	22.44	<=33.01	Pass

64QAM	2593	36	74	23.05	-0.92	22.13	<=33.01	Pass
			0	22.31	-0.92	21.39	<=33.01	Pass
			18	22.32	-0.92	21.40	<=33.01	Pass
			39	22.29	-0.92	21.37	<=33.01	Pass
		75	0	22.33	-0.92	21.41	<=33.01	Pass
		1	0	23.05	-0.92	22.13	<=33.01	Pass
			38	23.14	-0.92	22.22	<=33.01	Pass
			74	23.01	-0.92	22.09	<=33.01	Pass
			0	22.20	-0.92	21.28	<=33.01	Pass
		36	18	22.30	-0.92	21.38	<=33.01	Pass
			39	22.27	-0.92	21.35	<=33.01	Pass
			75	0	22.18	-0.92	21.26	<=33.01
	0		23.59	-0.92	22.67	<=33.01	Pass	
	1	38	23.88	-0.92	22.96	<=33.01	Pass	
		74	23.77	-0.92	22.85	<=33.01	Pass	
		0	22.82	-0.92	21.90	<=33.01	Pass	
		18	22.94	-0.92	22.02	<=33.01	Pass	
	36	39	22.83	-0.92	21.91	<=33.01	Pass	
		75	0	22.90	-0.92	21.98	<=33.01	Pass
		1	0	21.92	-0.92	21.00	<=33.01	Pass
			38	21.98	-0.92	21.06	<=33.01	Pass
	74		21.82	-0.92	20.90	<=33.01	Pass	
	0		21.33	-0.92	20.41	<=33.01	Pass	
	36	18	21.39	-0.92	20.47	<=33.01	Pass	
39		21.40	-0.92	20.48	<=33.01	Pass		
75		0	21.35	-0.92	20.43	<=33.01	Pass	
0		21.96	-0.92	21.04	<=33.01	Pass		
1	38	22.42	-0.92	21.50	<=33.01	Pass		
	74	22.45	-0.92	21.53	<=33.01	Pass		
	0	21.19	-0.92	20.27	<=33.01	Pass		
	18	21.29	-0.92	20.37	<=33.01	Pass		
36	39	21.27	-0.92	20.35	<=33.01	Pass		
	75	0	21.30	-0.92	20.38	<=33.01	Pass	
	1	0	22.57	-0.92	21.65	<=33.01	Pass	
		38	22.45	-0.92	21.53	<=33.01	Pass	
74		23.01	-0.92	22.09	<=33.01	Pass		
0		21.80	-0.92	20.88	<=33.01	Pass		
36	18	21.86	-0.92	20.94	<=33.01	Pass		
	39	21.95	-0.92	21.03	<=33.01	Pass		
	75	0	21.82	-0.92	20.90	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain

#### 1.1.4 B41\_20MHz\_EIRP

Band: 41 / Bandwidth: 20MHz / NTV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2506	1	0	24.33	-0.92	23.41	<=33.01	Pass	
			50	24.47	-0.92	23.55	<=33.01	Pass	
			99	24.21	-0.92	23.29	<=33.01	Pass	
		50	0	23.30	-0.92	22.38	<=33.01	Pass	
			25	23.38	-0.92	22.46	<=33.01	Pass	
			50	23.35	-0.92	22.43	<=33.01	Pass	
	2593	100	0	23.28	-0.92	22.36	<=33.01	Pass	
			1	0	24.07	-0.92	23.15	<=33.01	Pass
				50	24.27	-0.92	23.35	<=33.01	Pass
		99		24.25	-0.92	23.33	<=33.01	Pass	

		50	0	23.18	-0.92	22.26	<=33.01	Pass	
			25	23.36	-0.92	22.44	<=33.01	Pass	
			50	23.21	-0.92	22.29	<=33.01	Pass	
		100	0	23.31	-0.92	22.39	<=33.01	Pass	
			1	0	24.29	-0.92	23.37	<=33.01	Pass
				50	24.76	-0.92	23.84	<=33.01	Pass
	99	25.07		-0.92	24.15	<=33.01	Pass		
	2680	50	0	23.59	-0.92	22.67	<=33.01	Pass	
			25	23.85	-0.92	22.93	<=33.01	Pass	
			50	23.86	-0.92	22.94	<=33.01	Pass	
	100	0	23.74	-0.92	22.82	<=33.01	Pass		
	16QAM	2506	1	0	23.29	-0.92	22.37	<=33.01	Pass
50				23.62	-0.92	22.70	<=33.01	Pass	
99				23.17	-0.92	22.25	<=33.01	Pass	
50			0	22.29	-0.92	21.37	<=33.01	Pass	
			25	22.41	-0.92	21.49	<=33.01	Pass	
			50	22.32	-0.92	21.40	<=33.01	Pass	
100			0	22.25	-0.92	21.33	<=33.01	Pass	
2593			1	0	23.26	-0.92	22.34	<=33.01	Pass
				50	23.36	-0.92	22.44	<=33.01	Pass
		99		22.94	-0.92	22.02	<=33.01	Pass	
		50	0	22.30	-0.92	21.38	<=33.01	Pass	
			25	22.38	-0.92	21.46	<=33.01	Pass	
			50	22.22	-0.92	21.30	<=33.01	Pass	
100		0	22.20	-0.92	21.28	<=33.01	Pass		
2680		1	0	23.40	-0.92	22.48	<=33.01	Pass	
			50	23.75	-0.92	22.83	<=33.01	Pass	
			99	23.40	-0.92	22.48	<=33.01	Pass	
		50	0	22.61	-0.92	21.69	<=33.01	Pass	
			25	22.90	-0.92	21.98	<=33.01	Pass	
			50	22.78	-0.92	21.86	<=33.01	Pass	
100		0	22.71	-0.92	21.79	<=33.01	Pass		
64QAM		2506	1	0	22.56	-0.92	21.64	<=33.01	Pass
				50	22.76	-0.92	21.84	<=33.01	Pass
				99	22.44	-0.92	21.52	<=33.01	Pass
	50		0	21.33	-0.92	20.41	<=33.01	Pass	
			25	21.46	-0.92	20.54	<=33.01	Pass	
			50	21.41	-0.92	20.49	<=33.01	Pass	
	100		0	21.33	-0.92	20.41	<=33.01	Pass	
	2593		1	0	21.88	-0.92	20.96	<=33.01	Pass
				50	22.02	-0.92	21.10	<=33.01	Pass
		99		22.03	-0.92	21.11	<=33.01	Pass	
		50	0	21.31	-0.92	20.39	<=33.01	Pass	
			25	21.36	-0.92	20.44	<=33.01	Pass	
			50	21.36	-0.92	20.44	<=33.01	Pass	
	100	0	21.29	-0.92	20.37	<=33.01	Pass		
	2680	1	0	22.21	-0.92	21.29	<=33.01	Pass	
			50	22.88	-0.92	21.96	<=33.01	Pass	
			99	22.98	-0.92	22.06	<=33.01	Pass	
		50	0	21.65	-0.92	20.73	<=33.01	Pass	
			25	21.85	-0.92	20.93	<=33.01	Pass	
			50	21.92	-0.92	21.00	<=33.01	Pass	
	100	0	21.75	-0.92	20.83	<=33.01	Pass		
	Note1: EIRP=Conducted Power+Antenna Gain								

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B41\_10MHz

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2593	50	0	20	LV	-2.604	-0.0010	-2.5 to 2.5	Pass
					NV	-7.753	-0.0030	-2.5 to 2.5	Pass
					HV	-4.463	-0.0017	-2.5 to 2.5	Pass
				-30	NV	-1.602	-0.0006	-2.5 to 2.5	Pass
				-20	NV	-5.593	-0.0022	-2.5 to 2.5	Pass
				-10	NV	-5.264	-0.0020	-2.5 to 2.5	Pass
				0	NV	-7.710	-0.0030	-2.5 to 2.5	Pass
				10	NV	-2.103	-0.0008	-2.5 to 2.5	Pass
				30	NV	-4.292	-0.0017	-2.5 to 2.5	Pass
				40	NV	-5.107	-0.0020	-2.5 to 2.5	Pass
50	NV	0.529	0.0002	-2.5 to 2.5	Pass				

## 3. 99% & 26dB Bandwidth

### 3.1 Test Result

#### 3.1.1 Band41\_OBW

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	4.544	/	Pass
	16QAM	2593	25	0	4.547	/	Pass
	64QAM	2593	25	0	4.530	/	Pass
10	QPSK	2593	50	0	9.035	/	Pass
	16QAM	2593	50	0	9.034	/	Pass
	64QAM	2593	50	0	9.062	/	Pass
15	QPSK	2593	75	0	13.594	/	Pass
	16QAM	2593	75	0	13.591	/	Pass
	64QAM	2593	75	0	13.534	/	Pass
20	QPSK	2593	100	0	18.041	/	Pass
	16QAM	2593	100	0	18.036	/	Pass
	64QAM	2593	100	0	18.047	/	Pass

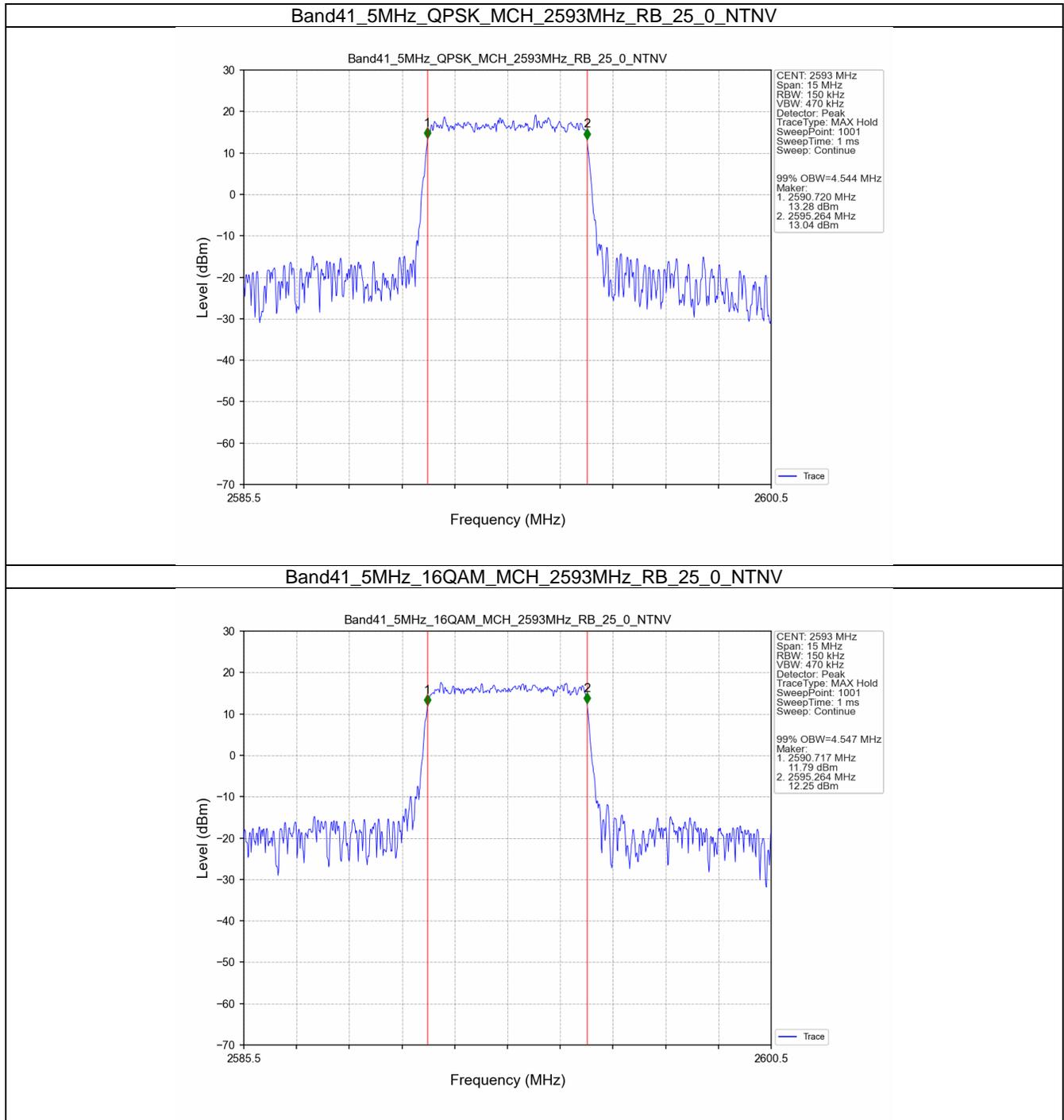
#### 3.1.2 Band41\_XDB

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2593	25	0	4.998	/	Pass
	16QAM	2593	25	0	5.071	/	Pass
	64QAM	2593	25	0	4.974	/	Pass
10	QPSK	2593	50	0	9.856	/	Pass
	16QAM	2593	50	0	9.888	/	Pass
	64QAM	2593	50	0	10.064	/	Pass

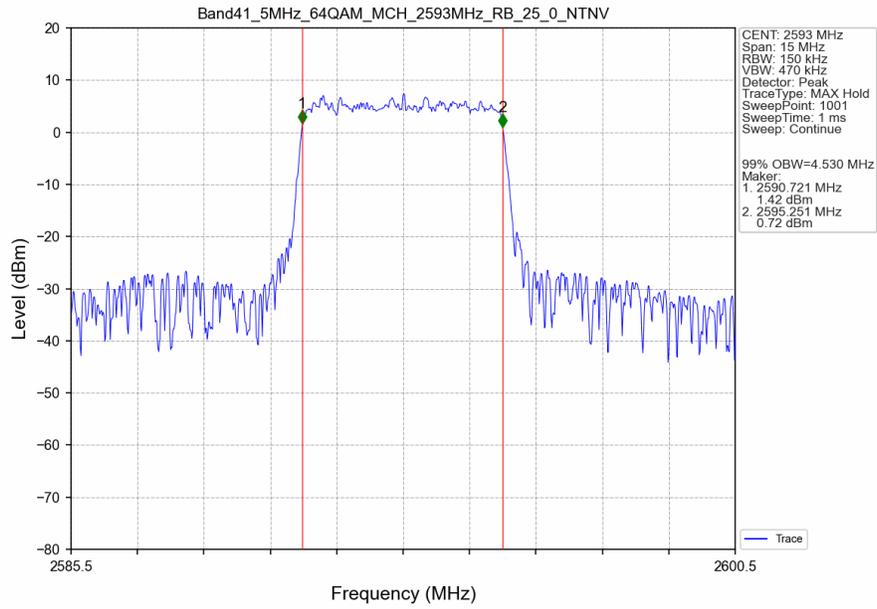
15	QPSK	2593	75	0	14.926	/	Pass
	16QAM	2593	75	0	15.360	/	Pass
	64QAM	2593	75	0	14.851	/	Pass
20	QPSK	2593	100	0	19.777	/	Pass
	16QAM	2593	100	0	20.053	/	Pass
	64QAM	2593	100	0	20.848	/	Pass

## 3.2 Test Graph

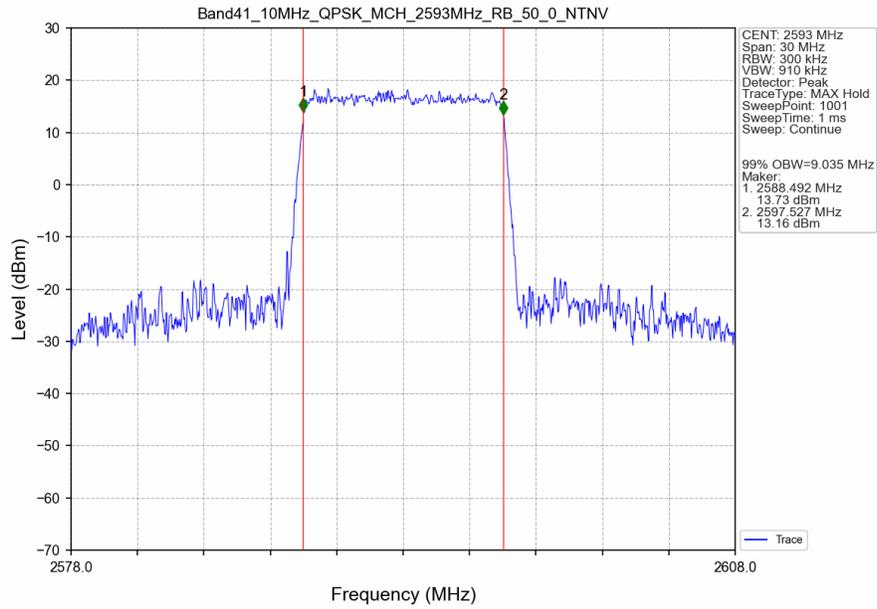
### 3.2.1 Band41\_OBW



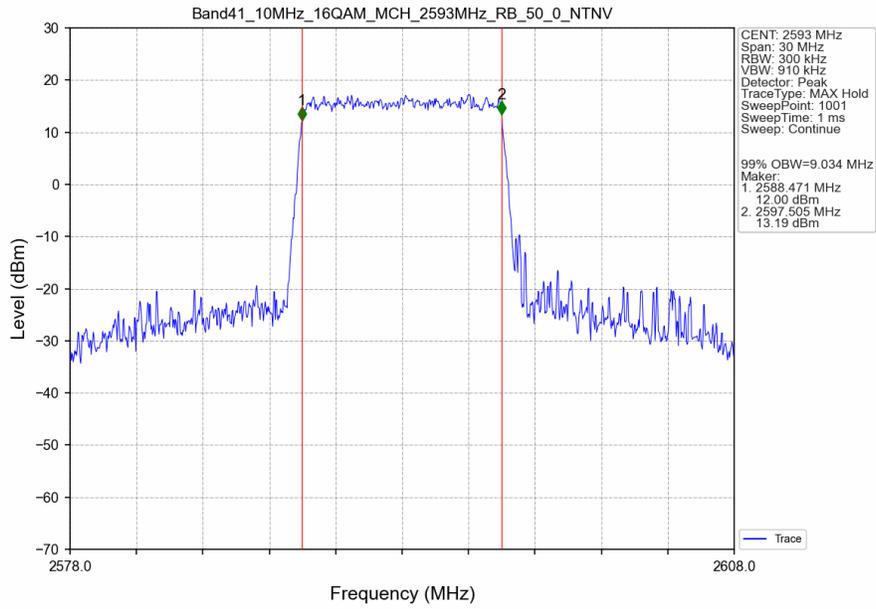
Band41\_5MHz\_64QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



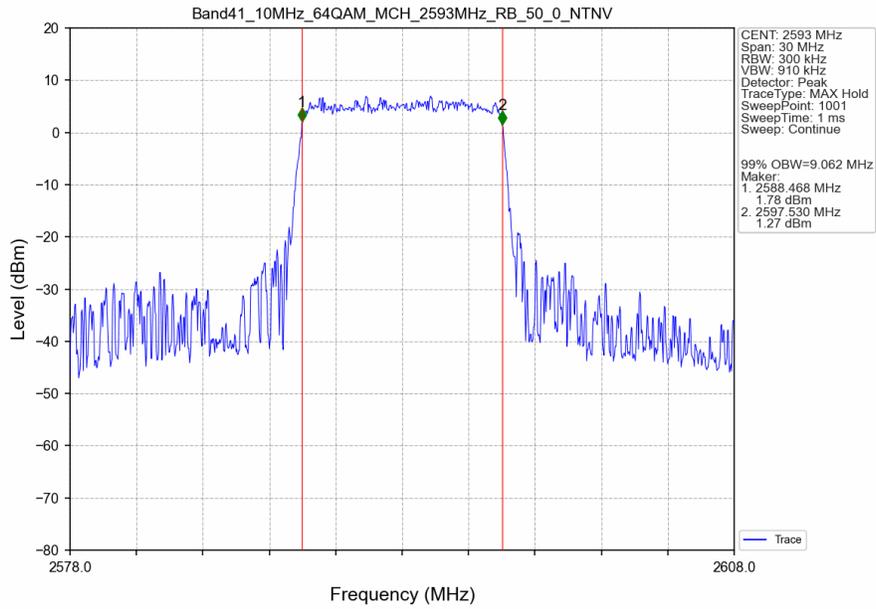
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



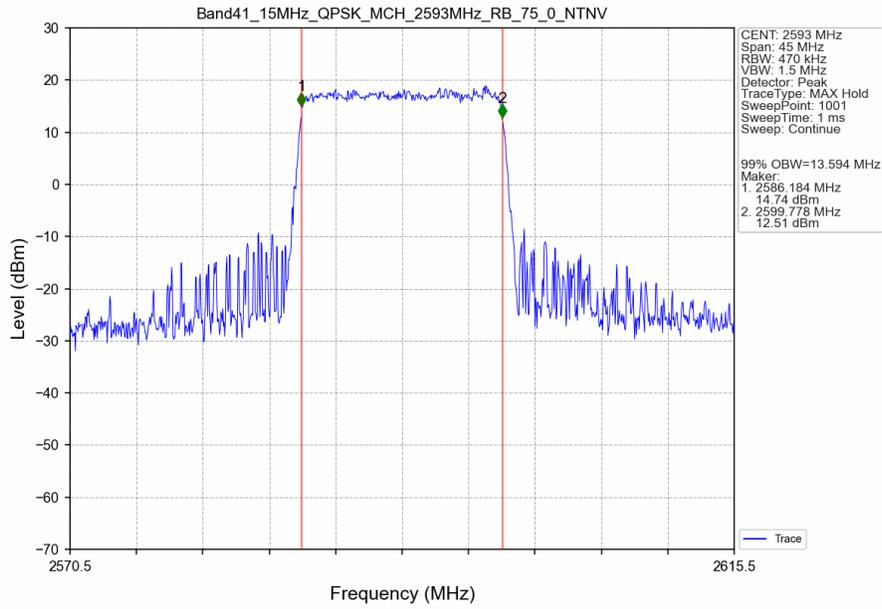
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



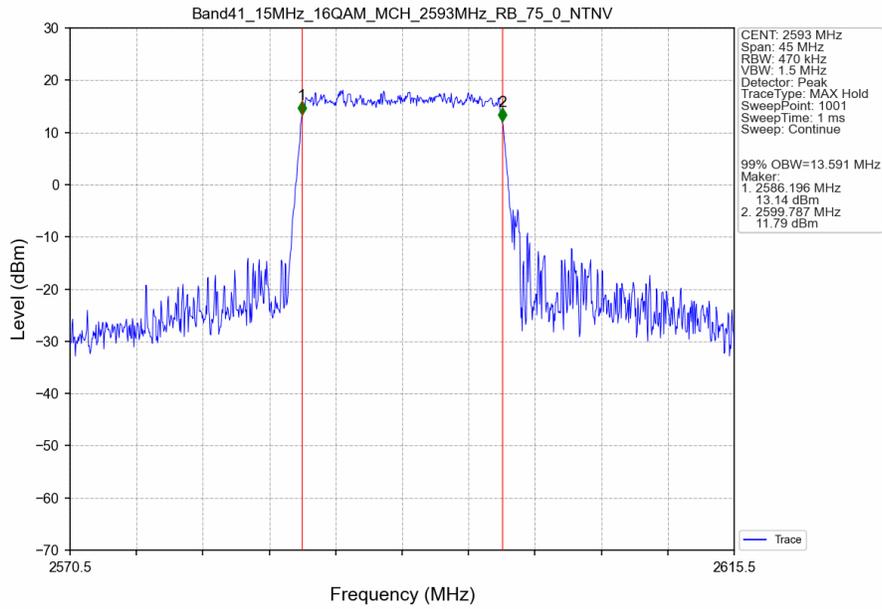
Band41\_10MHz\_64QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



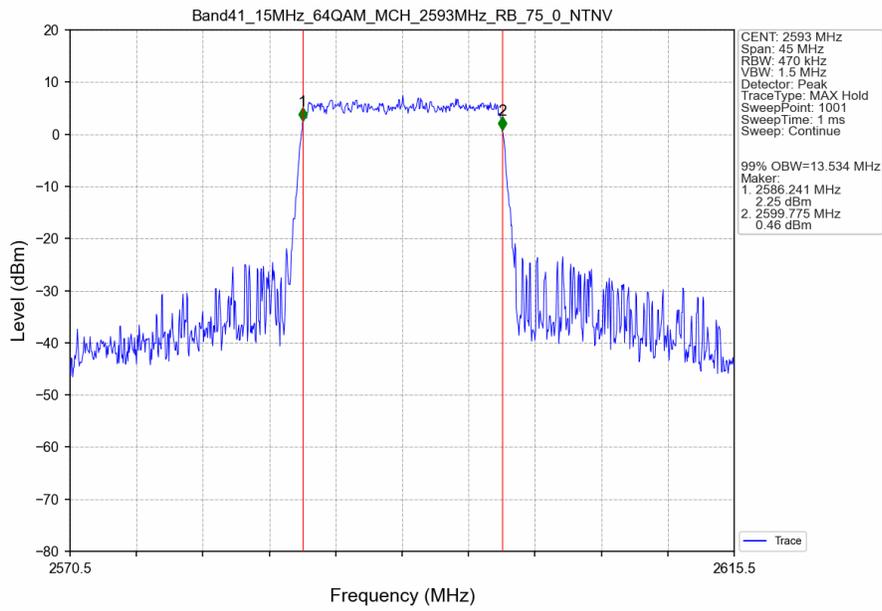
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



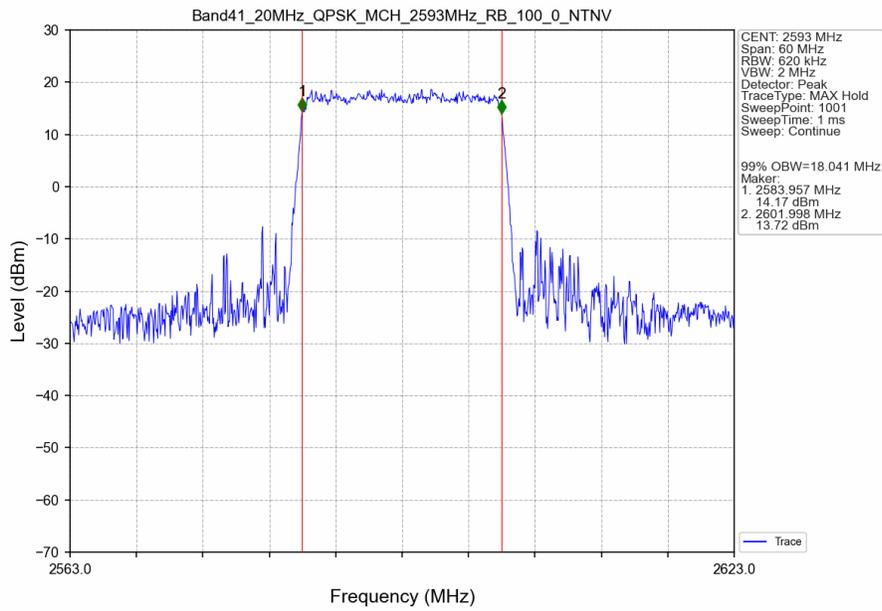
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



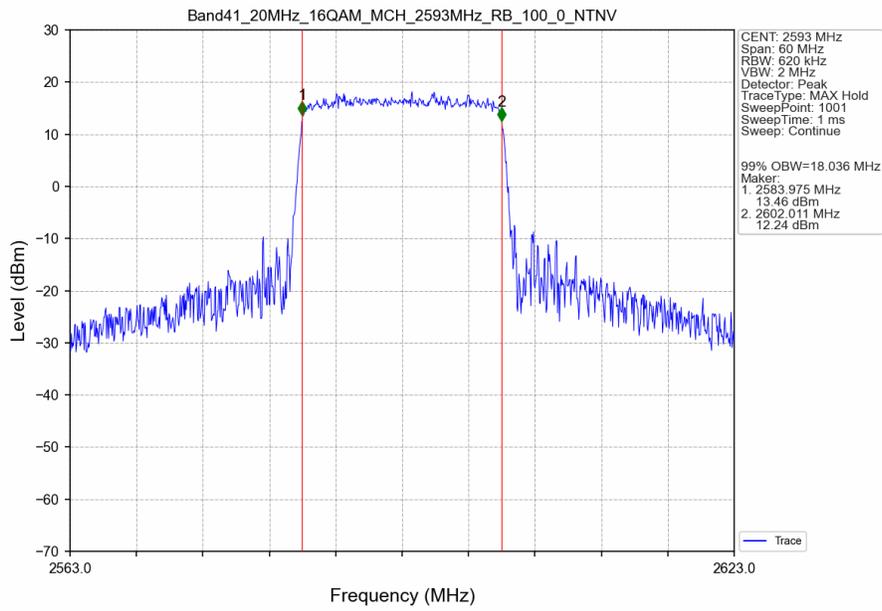
Band41\_15MHz\_64QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



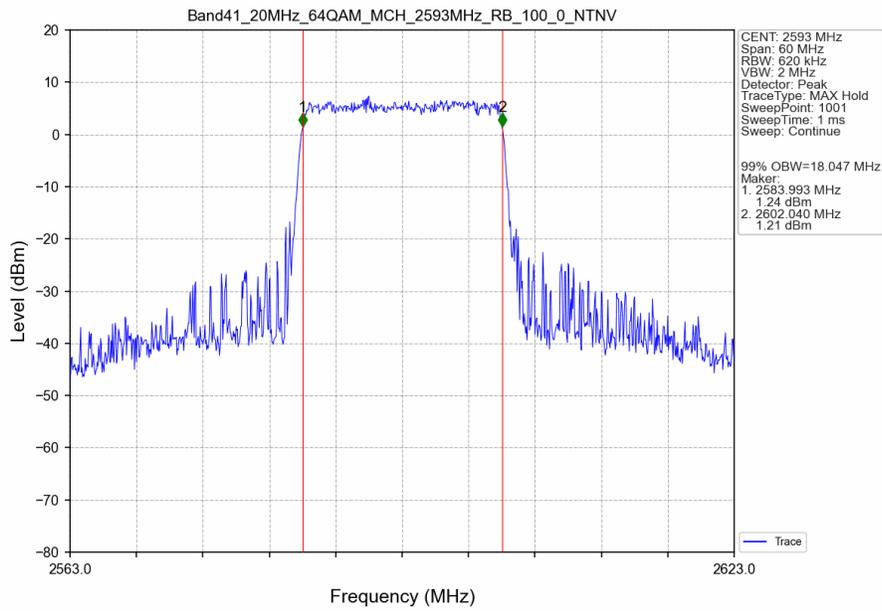
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



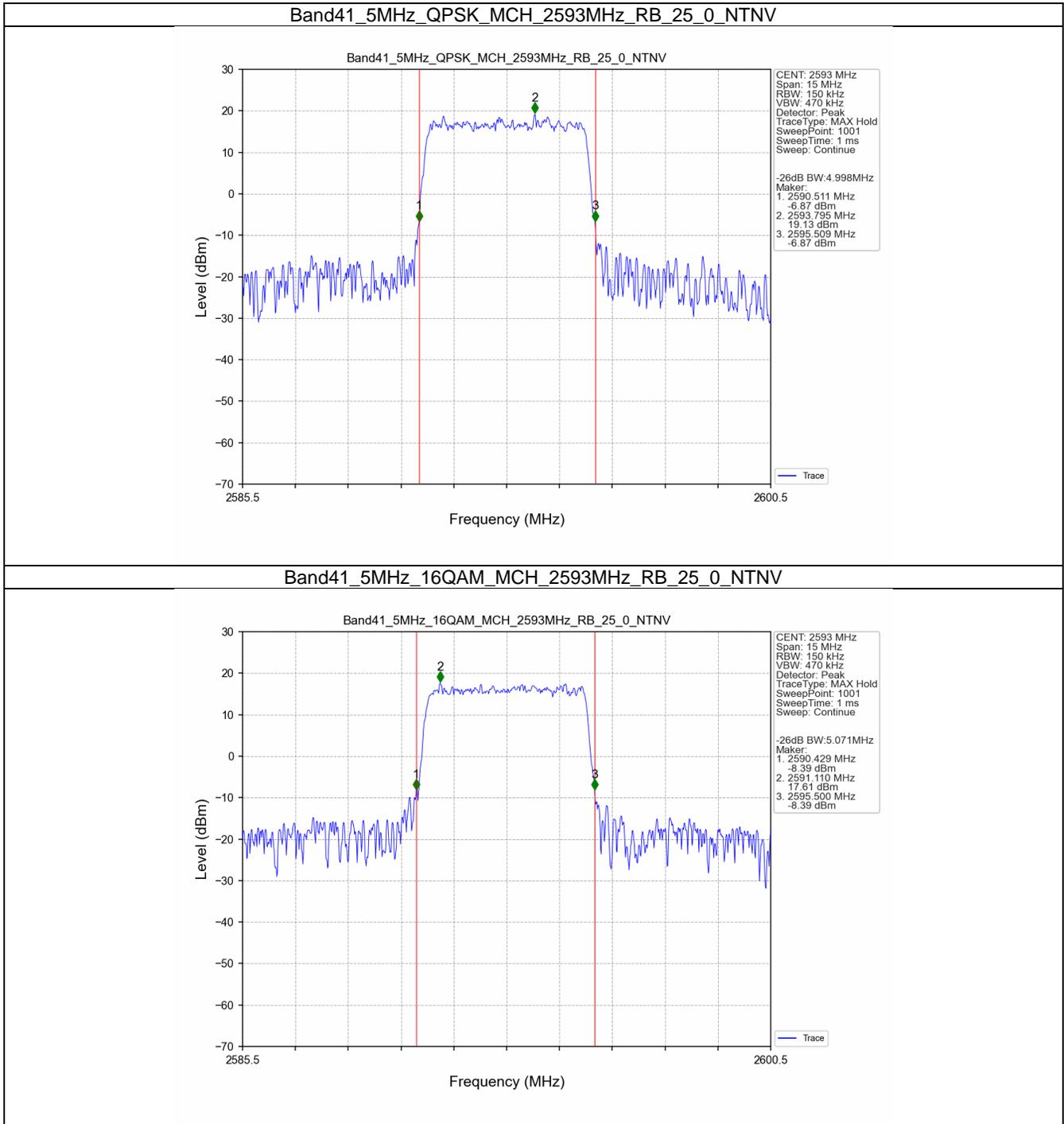
Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



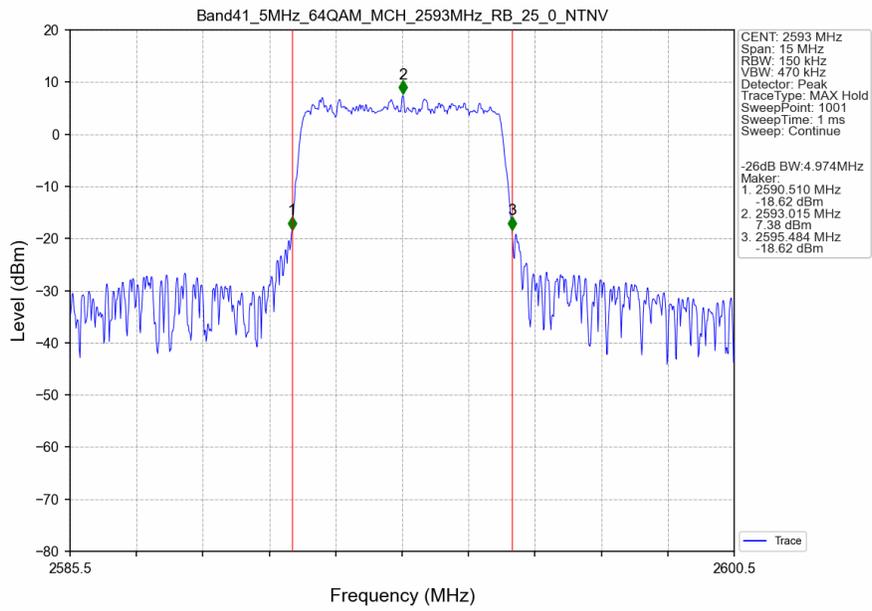
Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



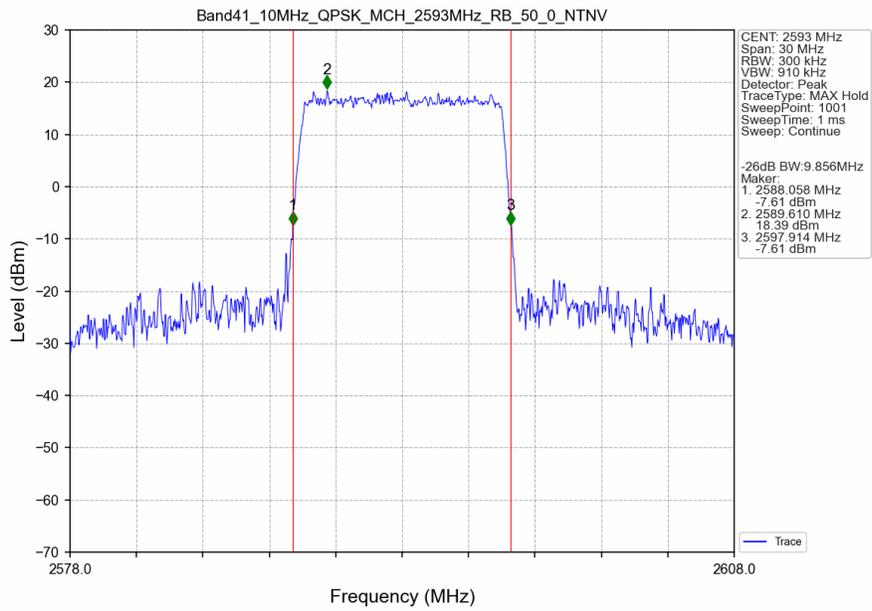
### 3.2.2 Band41\_XDB



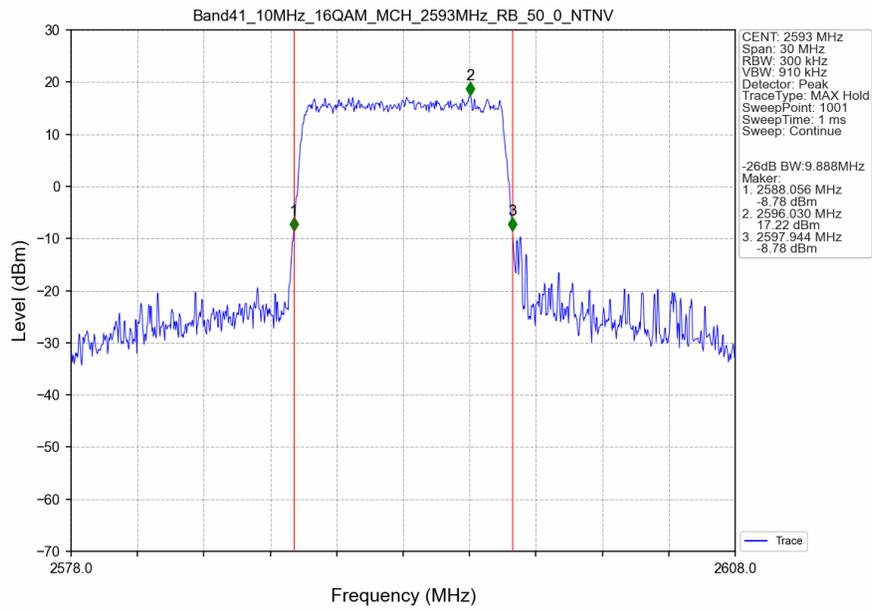
Band41\_5MHz\_64QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



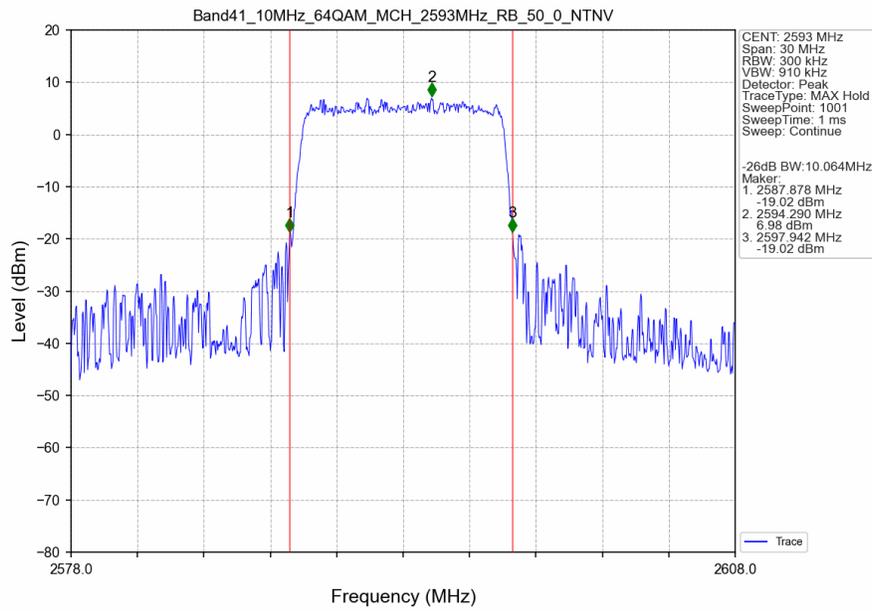
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_50\_0\_NTNV



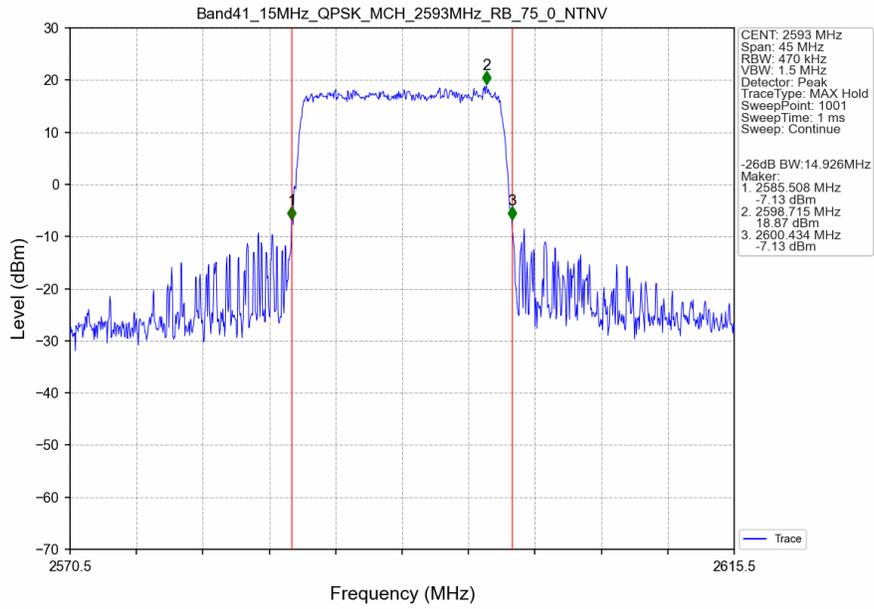
Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



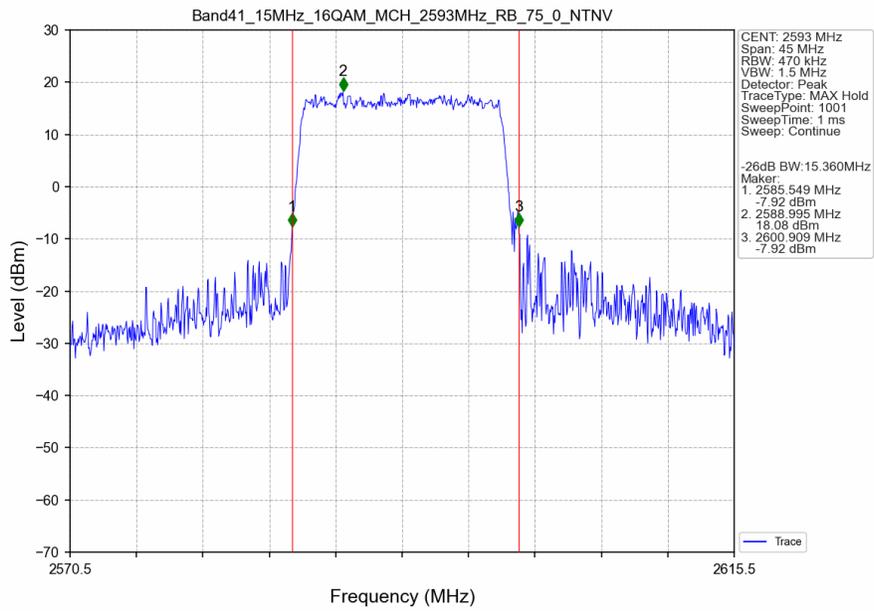
Band41\_10MHz\_64QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



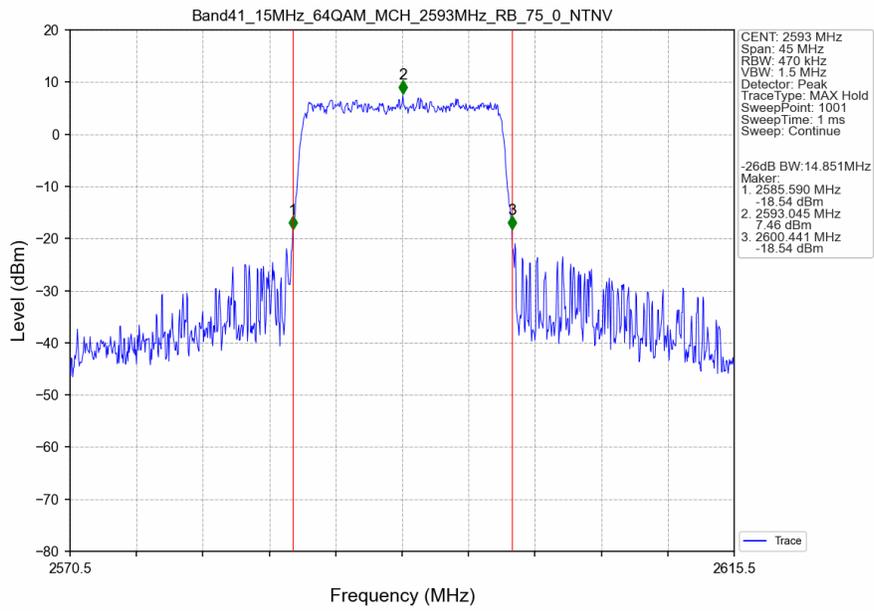
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV



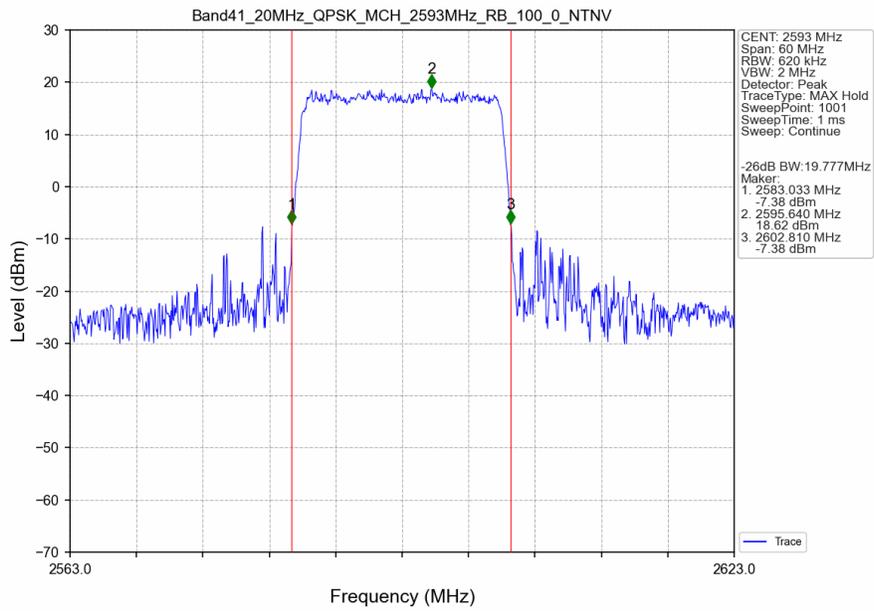
Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



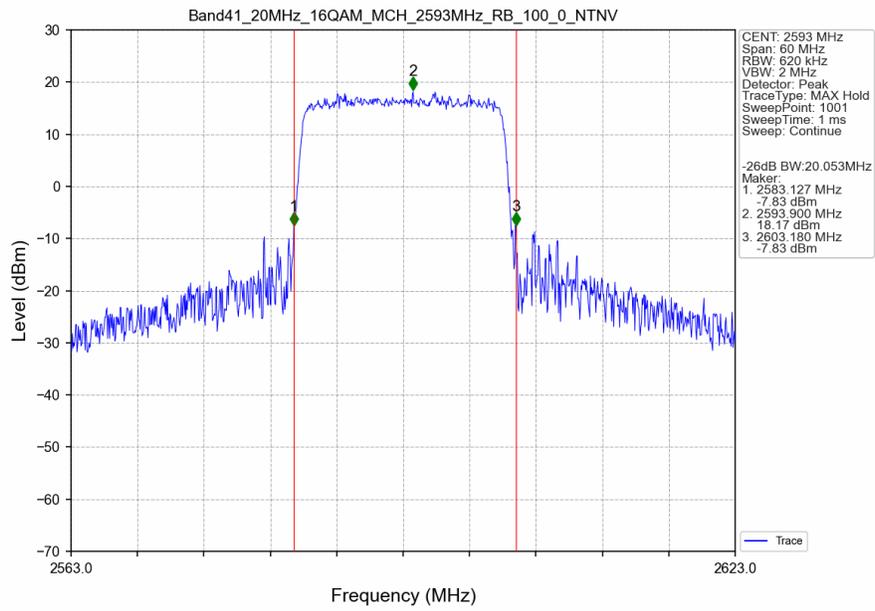
Band41\_15MHz\_64QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



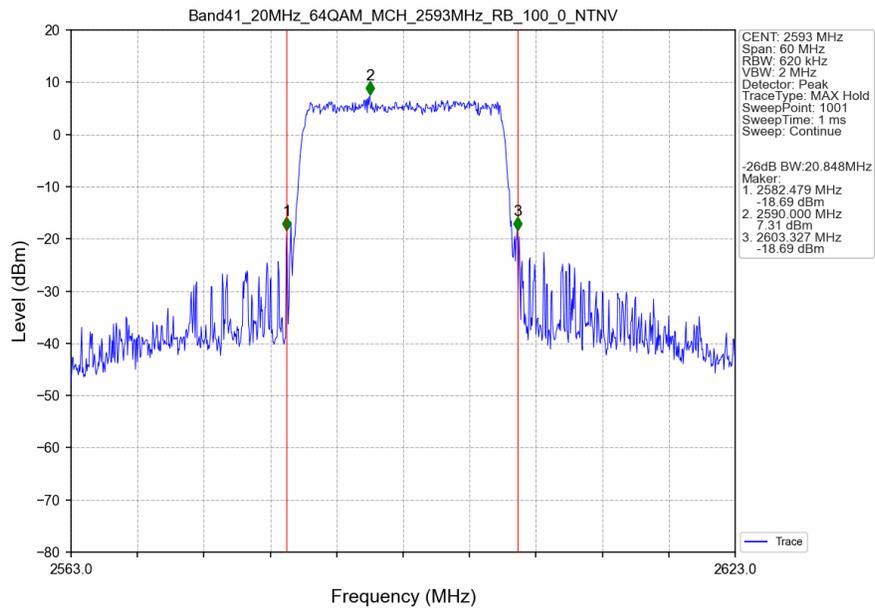
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_64QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



## 4. Peak-Average Ratio

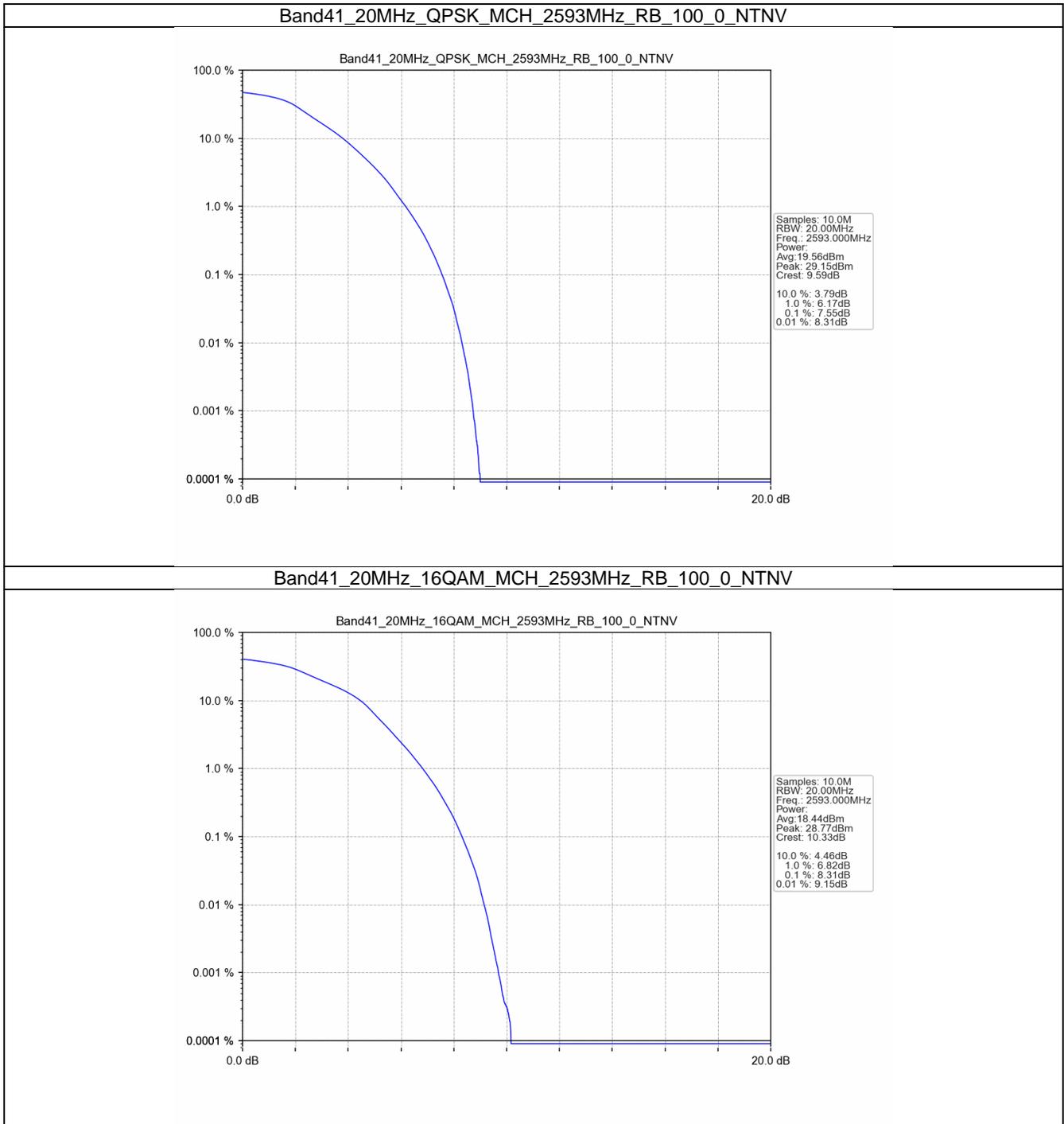
### 4.1 Test Result

#### 4.1.1 B41\_20MHz

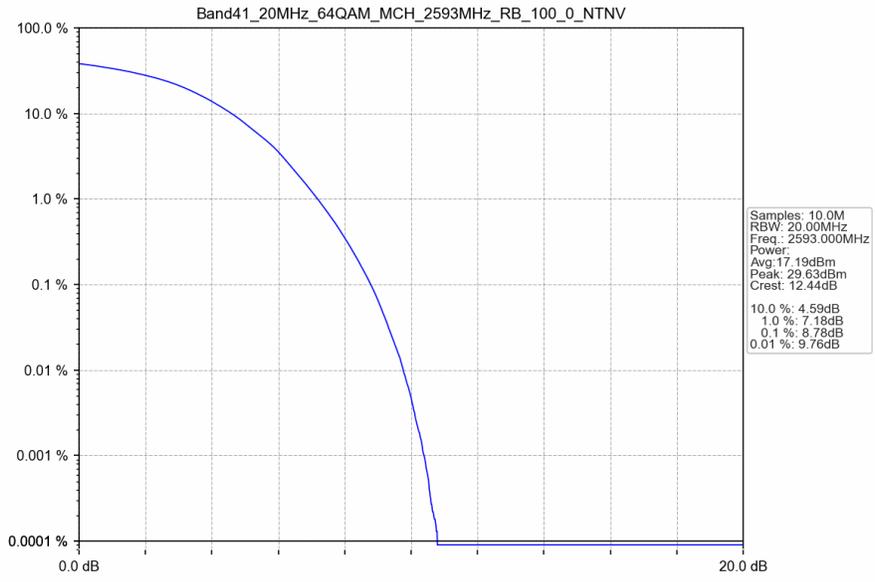
Band: 41 / Bandwidth: 20MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2593	100	0	7.55	<=13	Pass
16QAM	2593	100	0	8.31	<=13	Pass
64QAM	2593	100	0	8.78	<=13	Pass

## 4.2 Test Graph

### 4.2.1 B41\_20MHz



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 / 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 / NTV						
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

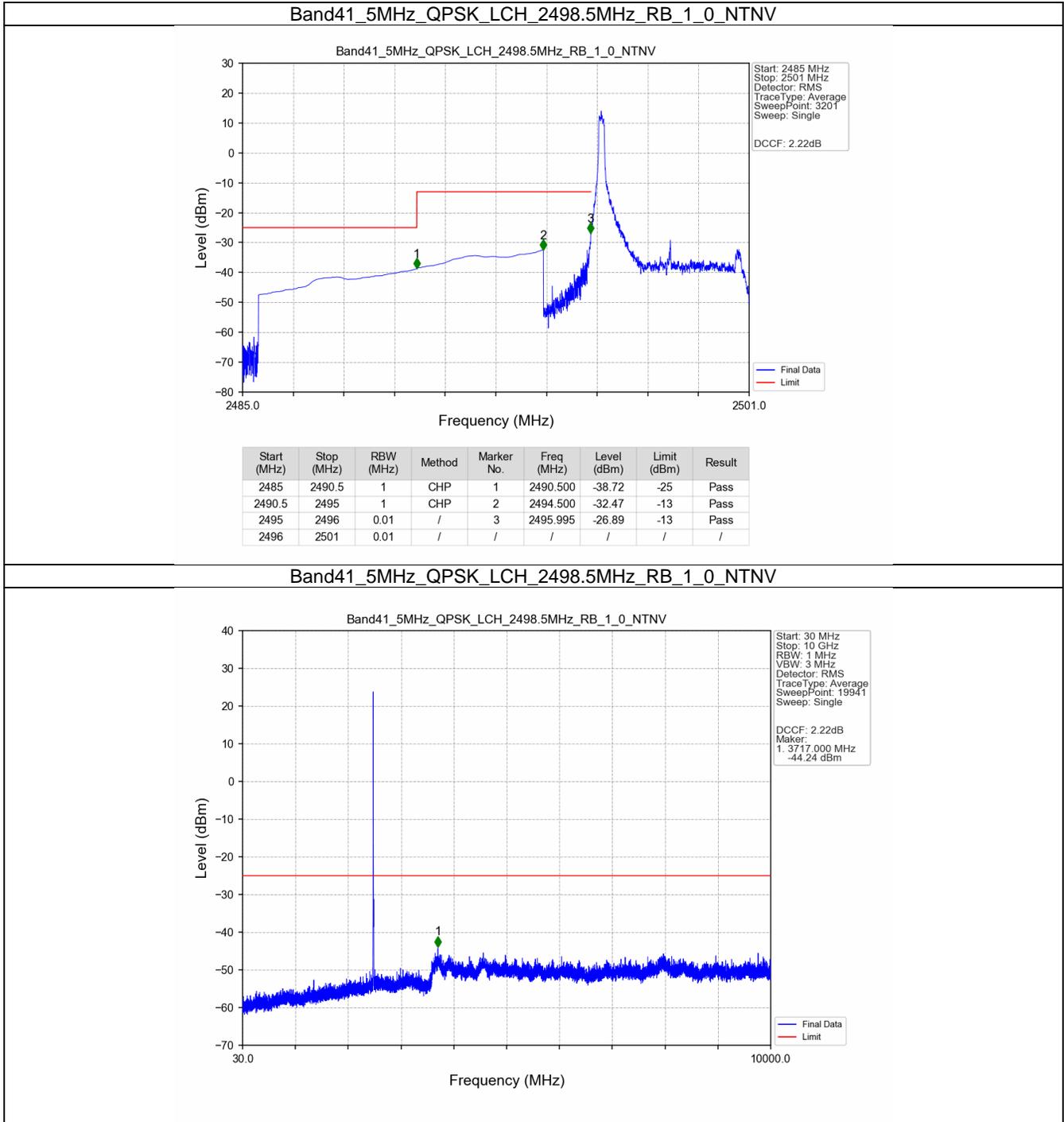
Band: 41 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2682.5	1	0	Refer To Test Graph		Pass
			74	Refer To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

#### 5.1.4 B41\_20MHz

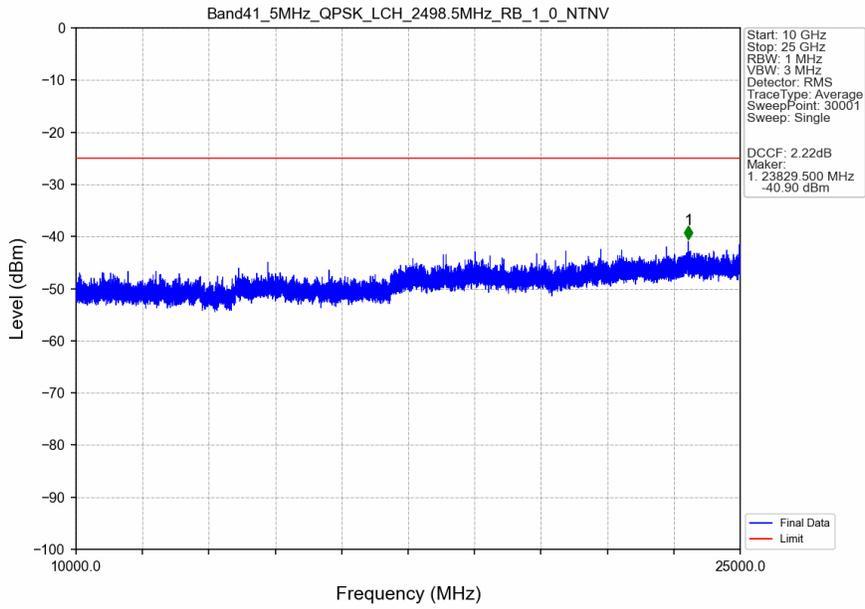
Band: 41 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
	2680	1	0	Refer To Test Graph		Pass
			99	Refer To Test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

## 5.2 Test Graph

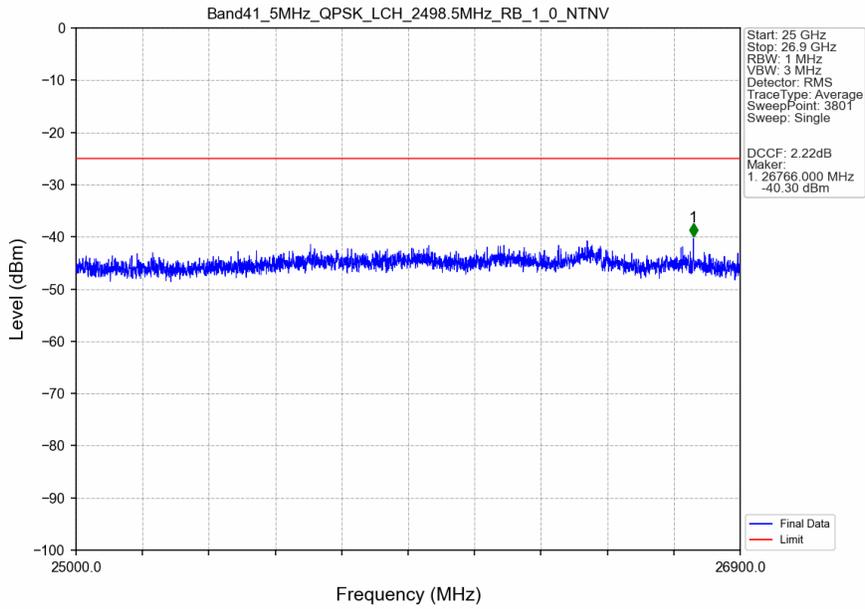
### 5.2.1 B41\_5MHz



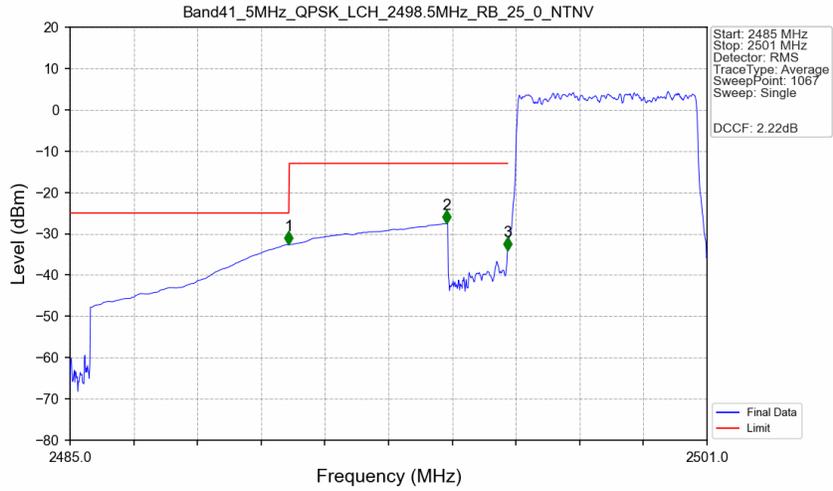
Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV

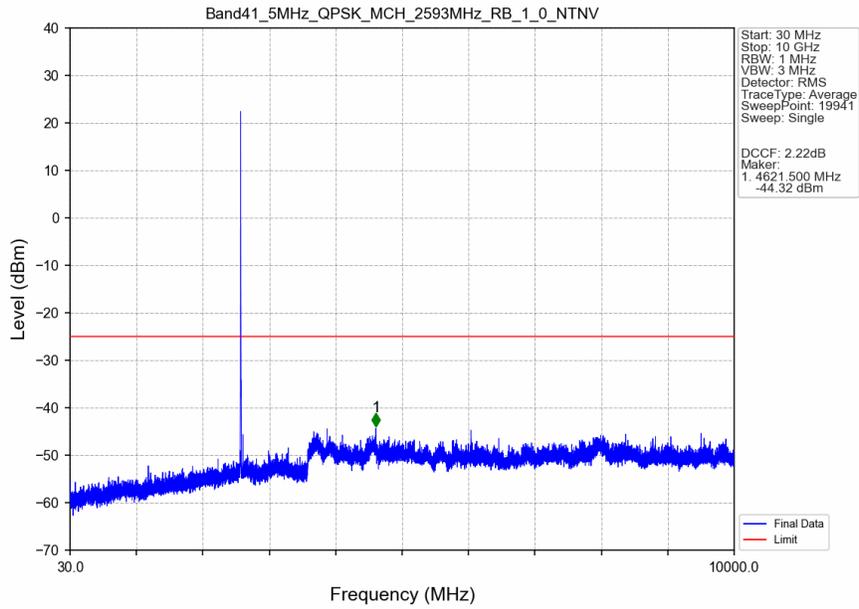


Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV

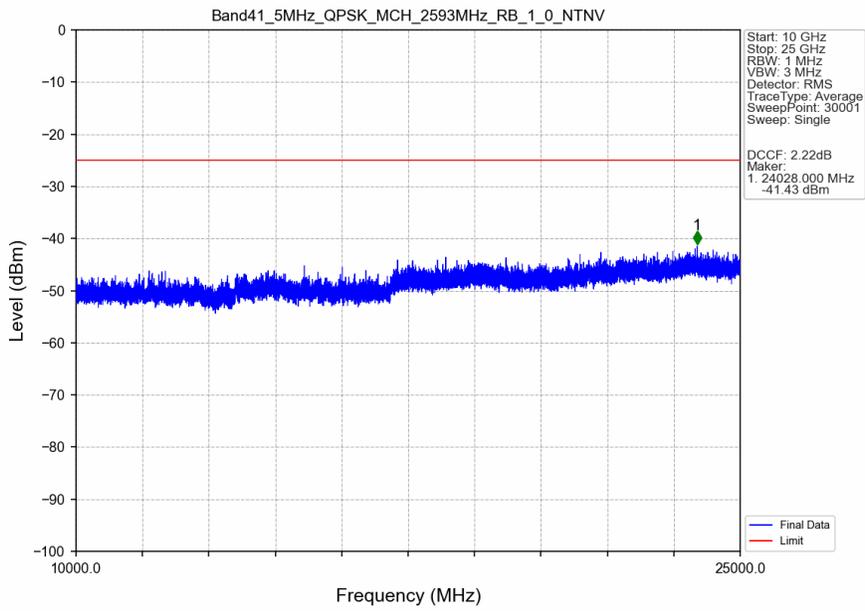


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.493	-32.63	-25	Pass
2490.5	2495	1	CHP	2	2494.456	-27.56	-13	Pass
2495	2496	0.05	CHP	3	2495.987	-34.08	-13	Pass
2496	2501	0.05	CHP	/	/	/	/	/

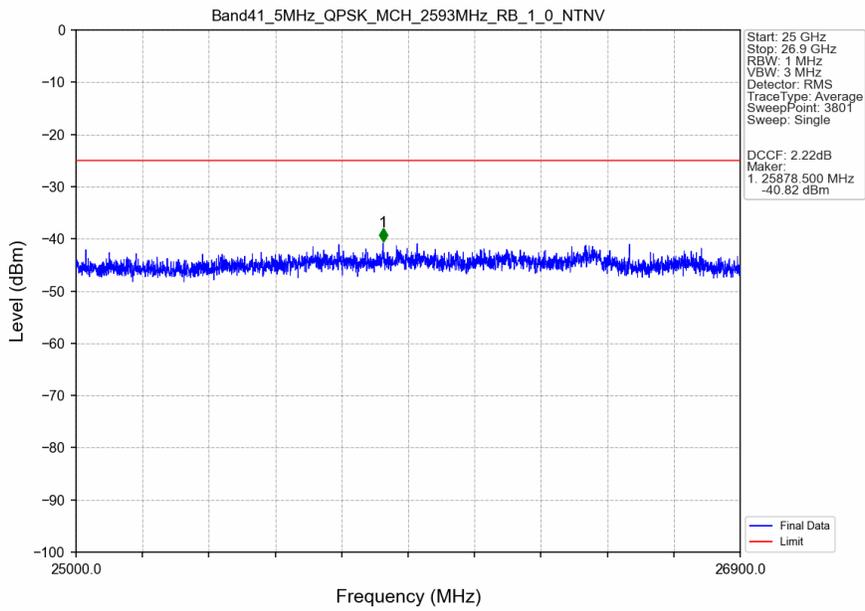
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



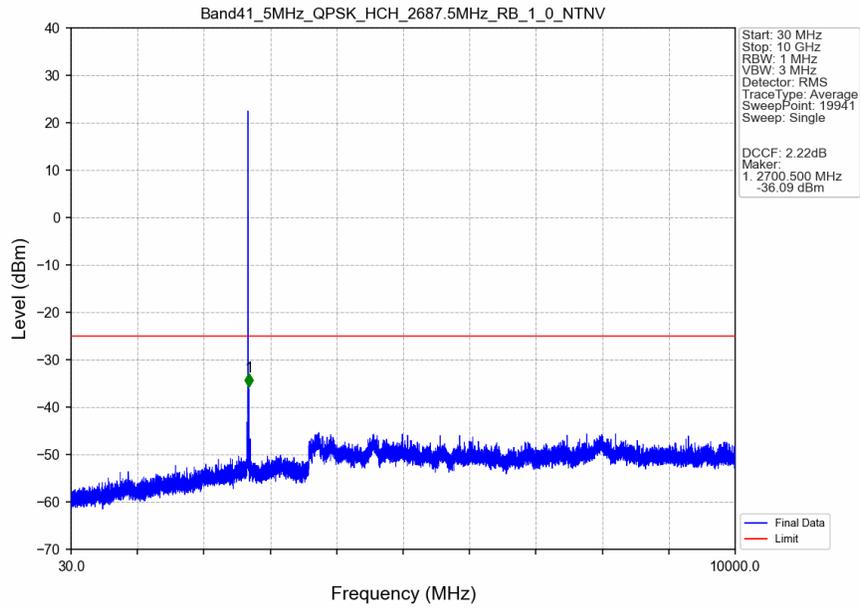
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



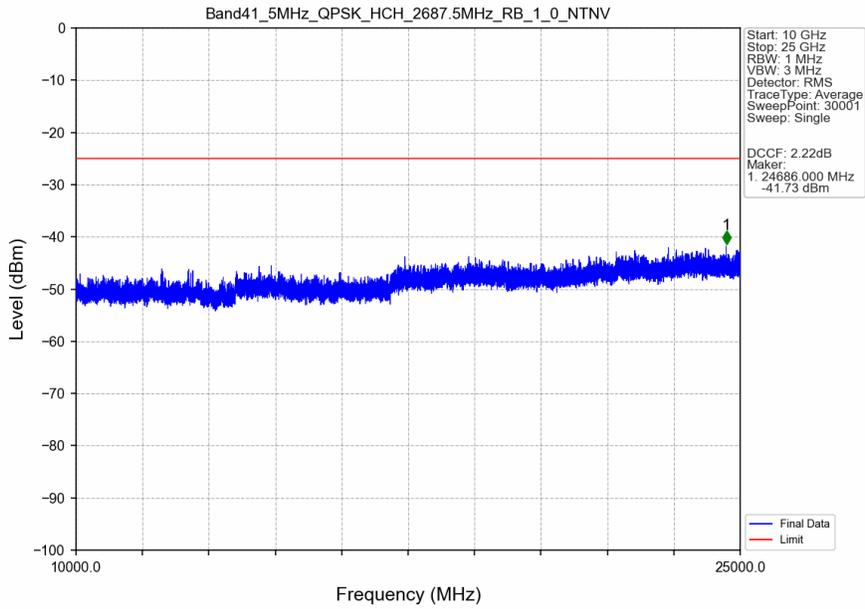
Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



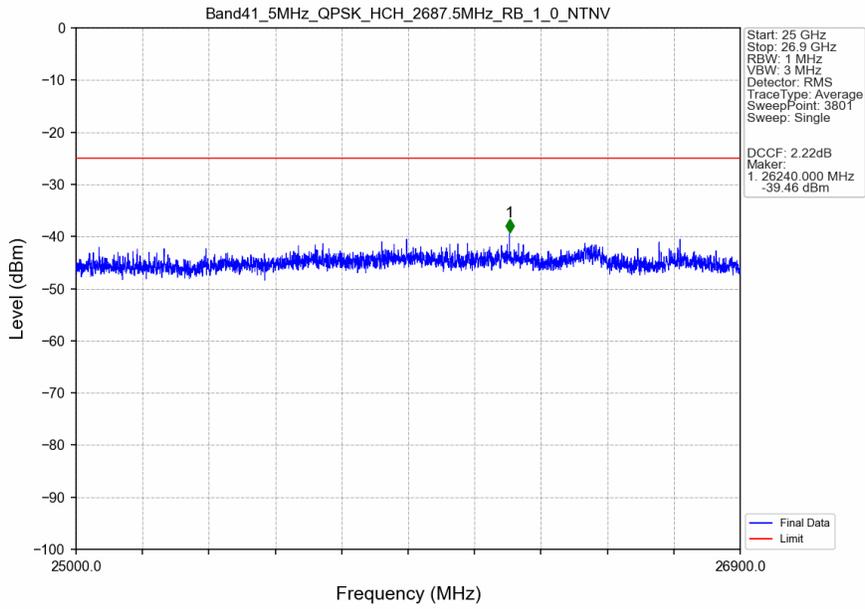
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



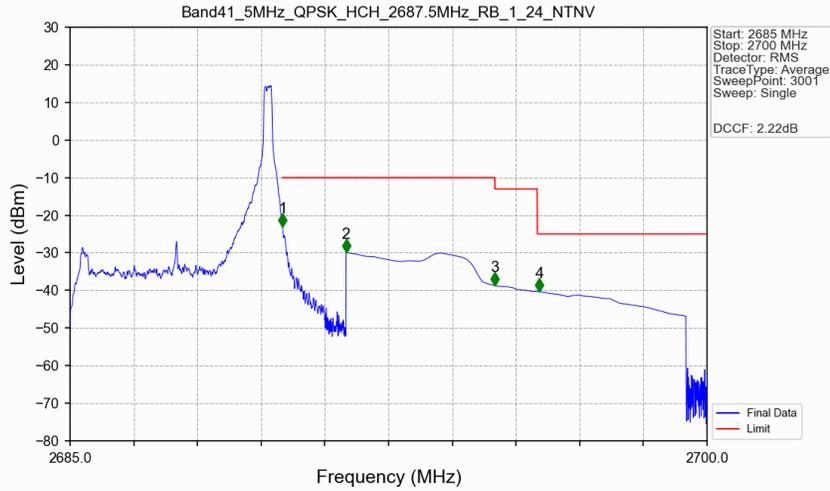
Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV

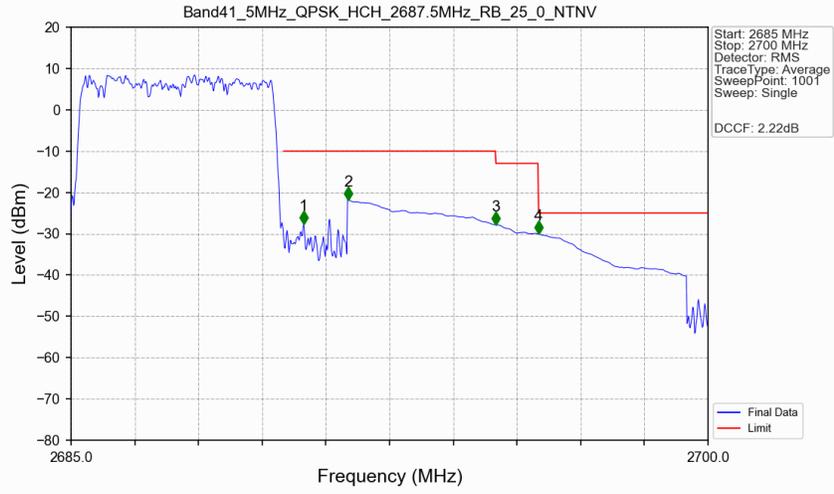


Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_24\_NTNV



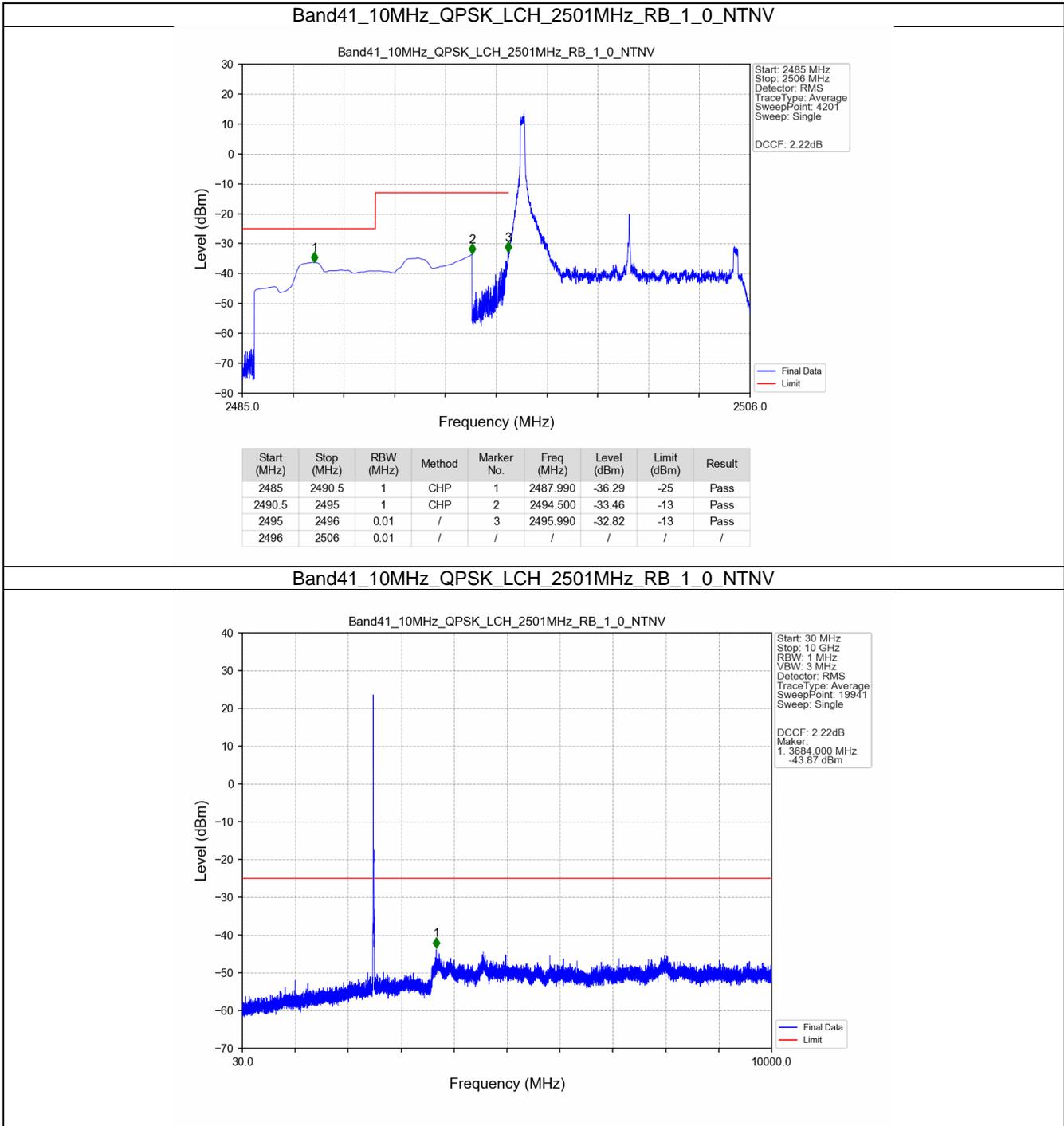
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-23.04	-10	Pass
2691	2695	1	CHP	2	2691.500	-29.92	-10	Pass
2695	2696	1	CHP	3	2695.005	-38.72	-13	Pass
2696	2700	1	CHP	4	2696.050	-40.30	-25	Pass

Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV

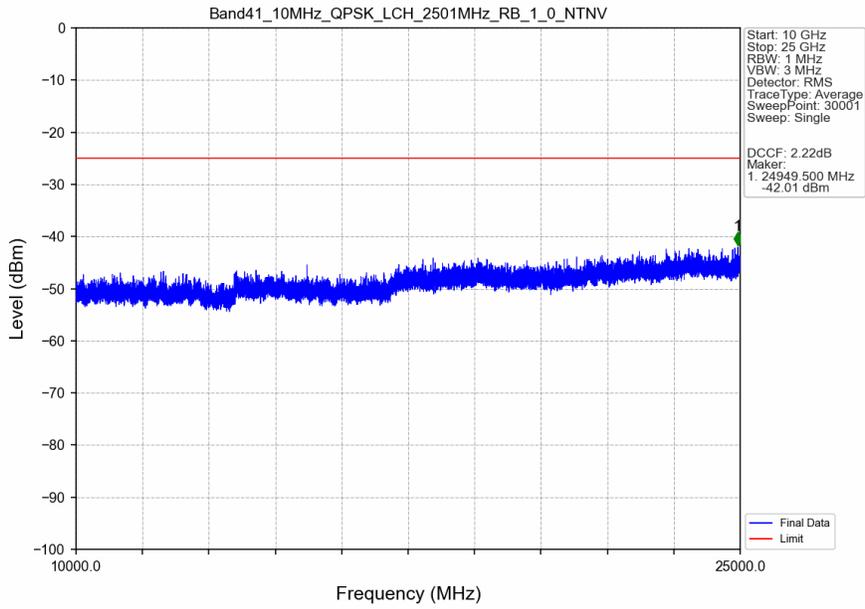


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2685	2690	0.1	/	/	/	/	/	/
2690	2691	0.1	/	1	2690.475	-27.75	-10	Pass
2691	2695	1	CHP	2	2691.525	-21.76	-10	Pass
2695	2696	1	CHP	3	2695.005	-27.85	-13	Pass
2696	2700	1	CHP	4	2696.010	-30.05	-25	Pass

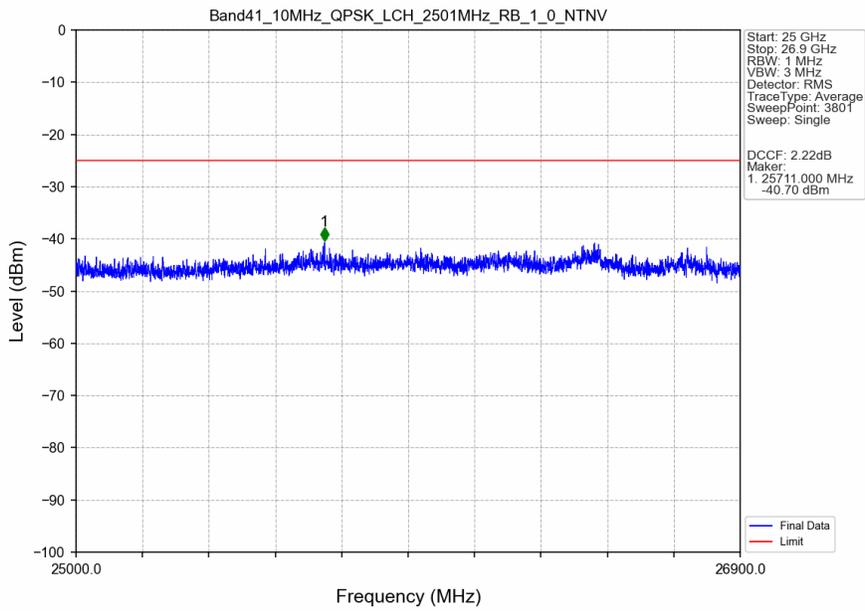
### 5.2.2 B41\_10MHz



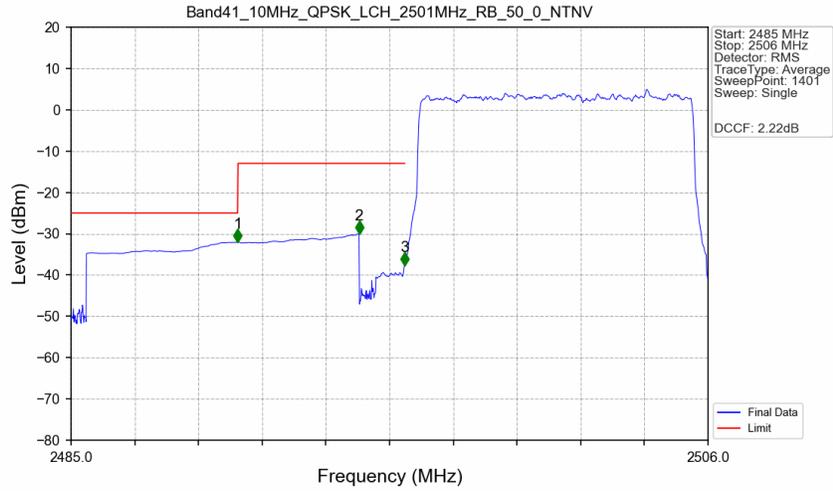
Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_1\_0\_NTNV

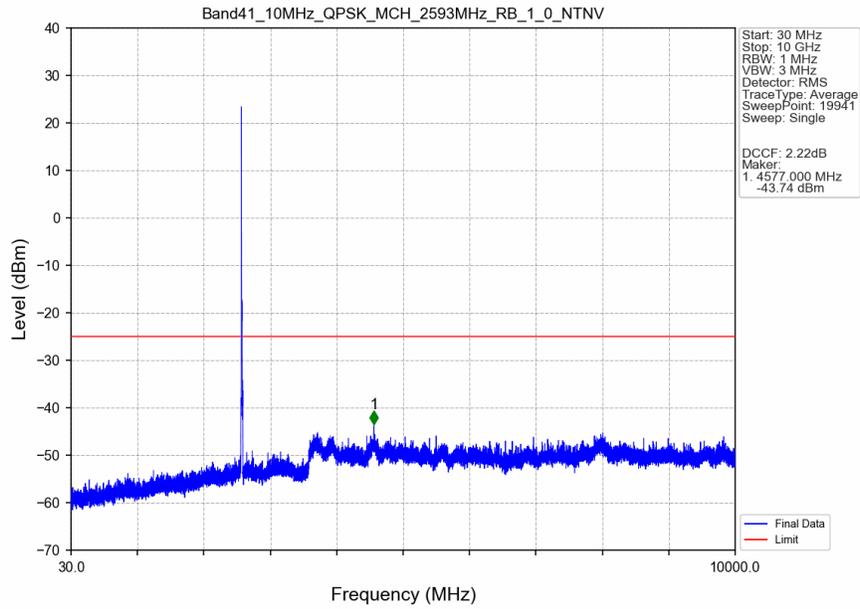


Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV

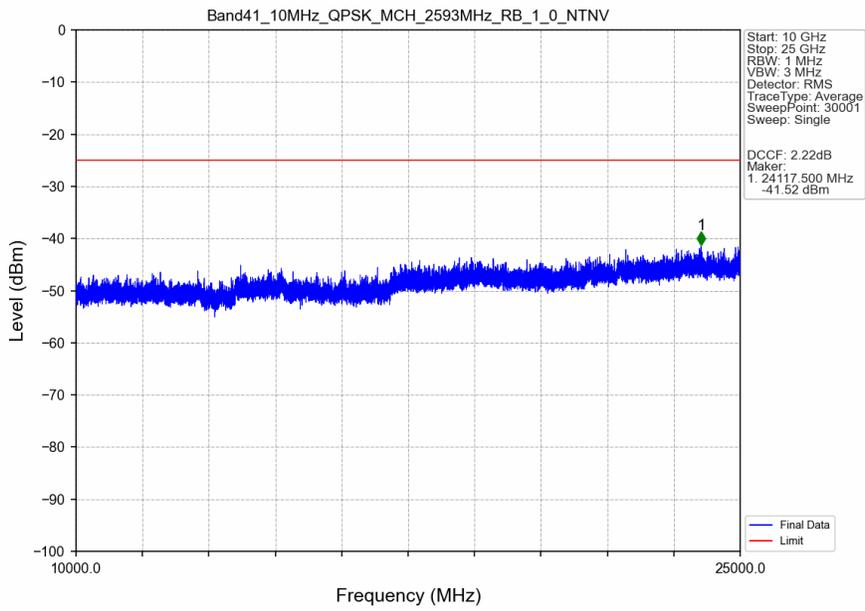


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2490.490	-32.08	-25	Pass
2490.5	2495	1	CHP	2	2494.495	-30.04	-13	Pass
2495	2496	0.099	CHP	3	2495.995	-37.63	-13	Pass
2496	2506	0.099	CHP	/	/	/	/	/

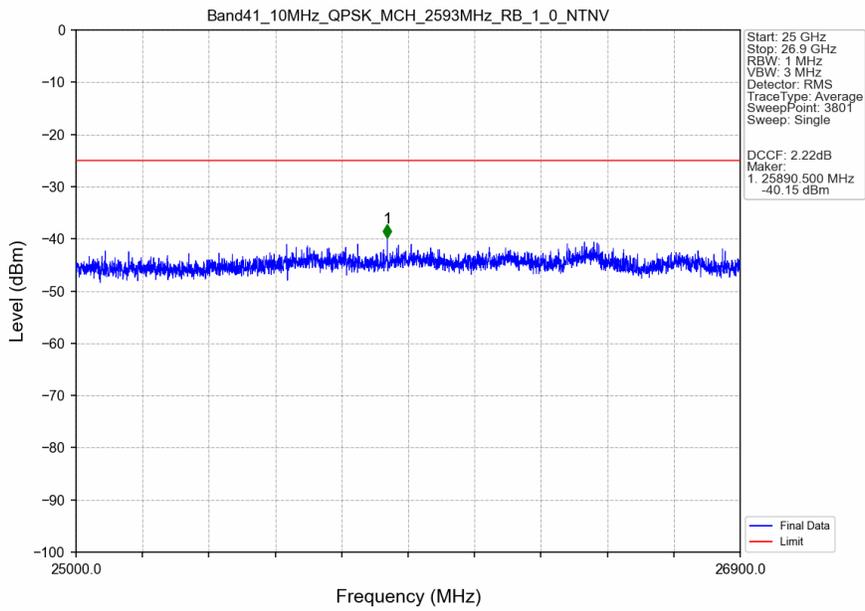
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



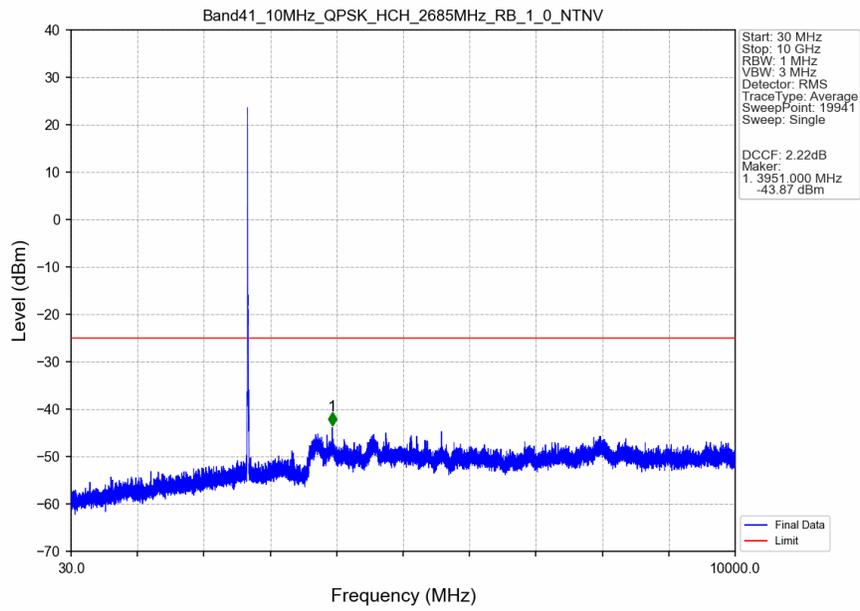
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



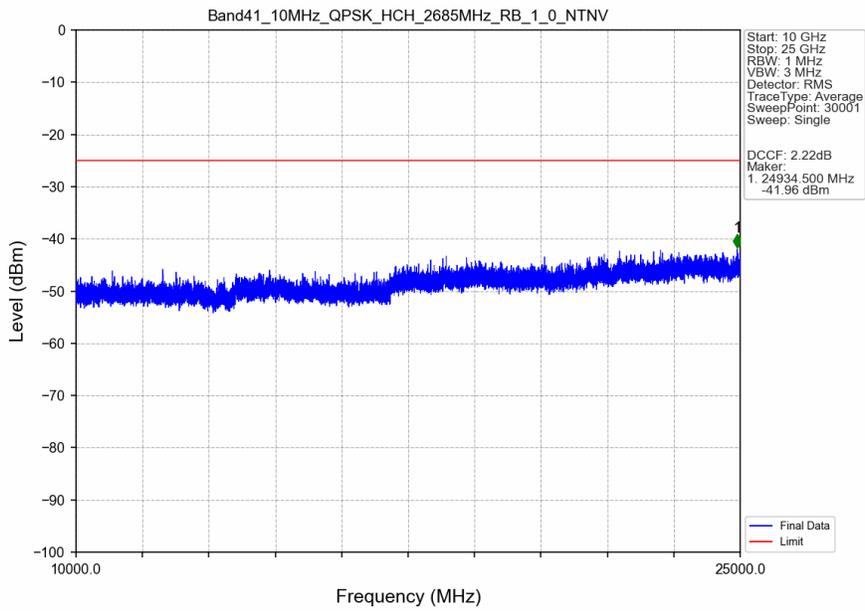
Band41\_10MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



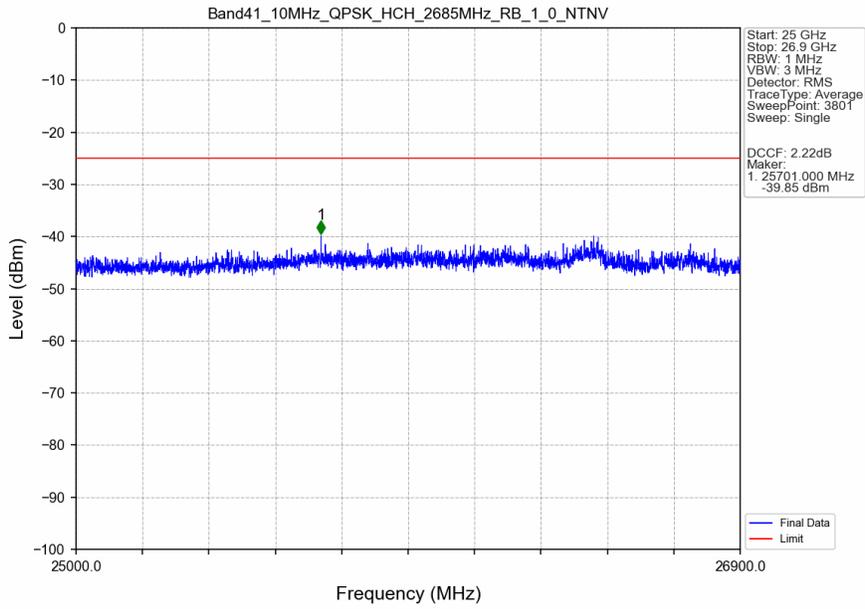
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



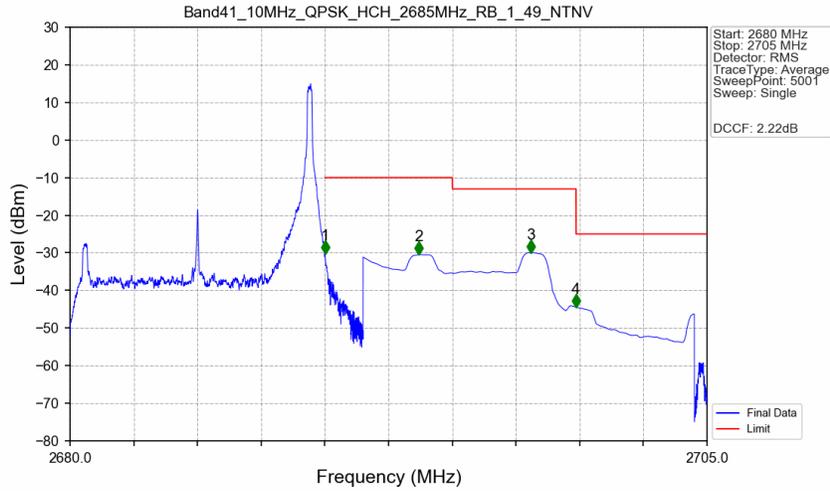
Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV

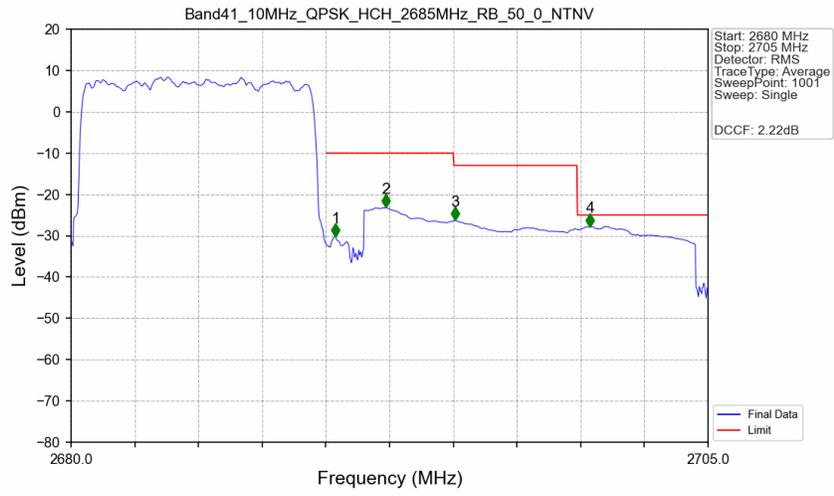


Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_49\_NTNV



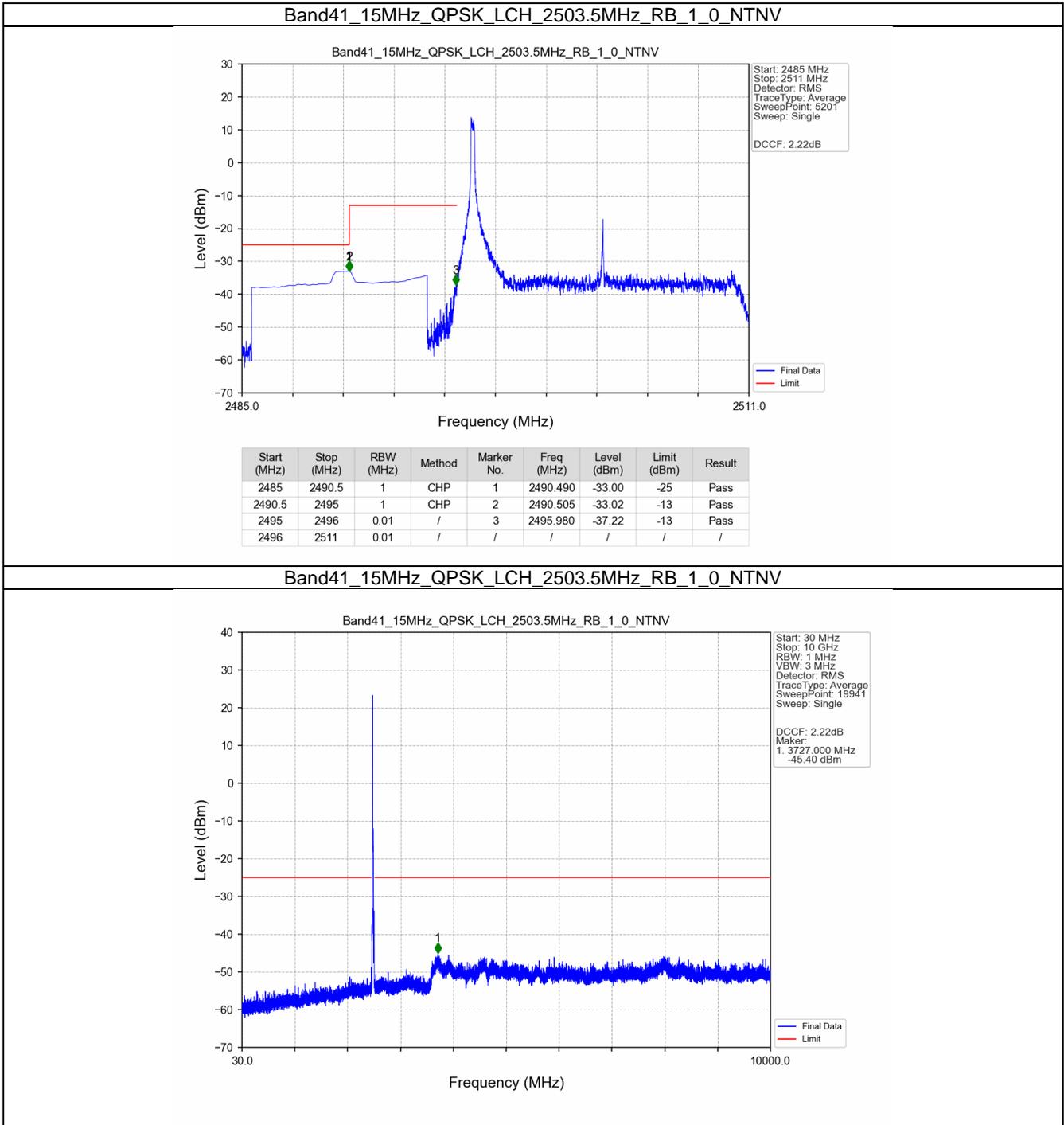
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.005	-30.31	-10	Pass
2691	2695	1	CHP	2	2693.690	-30.46	-10	Pass
2695	2699.856	1	CHP	3	2698.075	-29.97	-13	Pass
2699.856	2705	1	CHP	4	2699.860	-44.46	-25	Pass

### Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTV

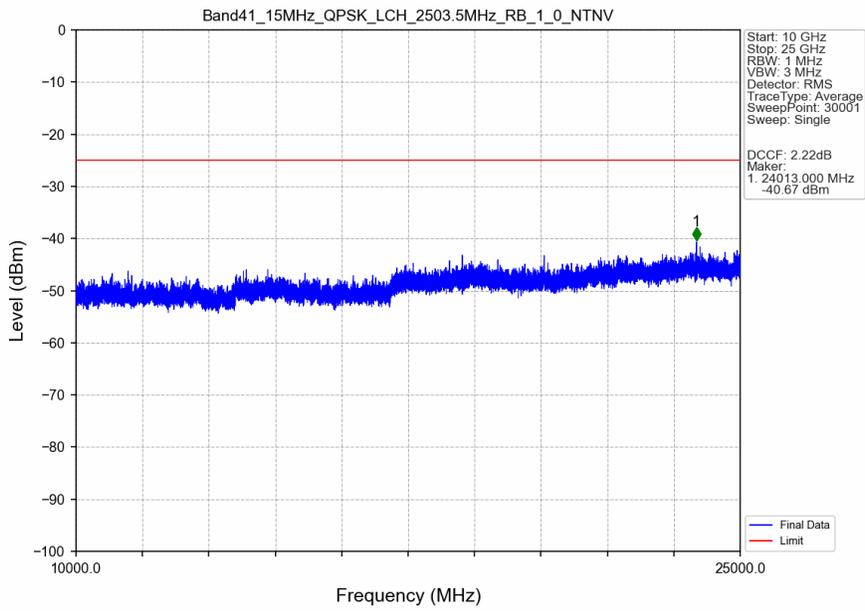


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2680	2690	0.197	CHP	/	/	/	/	/
2690	2691	0.197	CHP	1	2690.375	-30.17	-10	Pass
2691	2695	1	CHP	2	2692.350	-23.20	-10	Pass
2695	2699.856	1	CHP	3	2695.075	-26.28	-13	Pass
2699.856	2705	1	CHP	4	2700.375	-27.76	-25	Pass

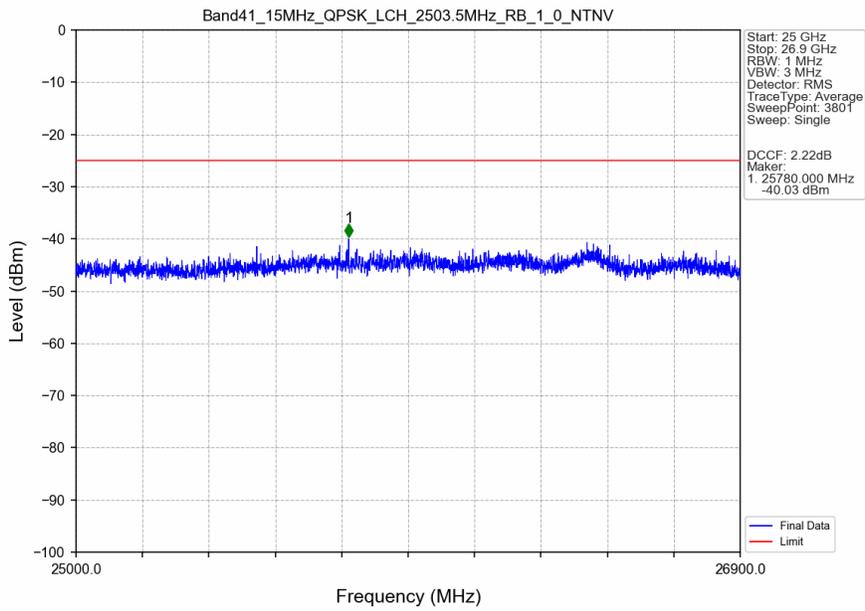
### 5.2.3 B41\_15MHz



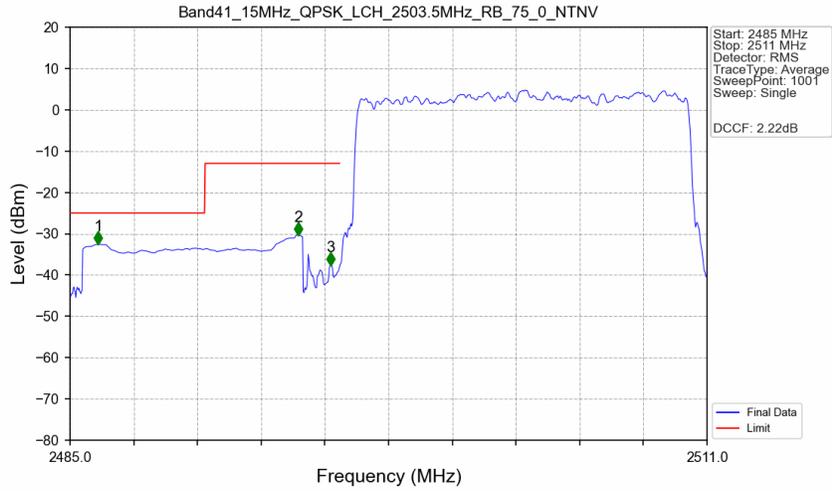
Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_1\_0\_NTNV

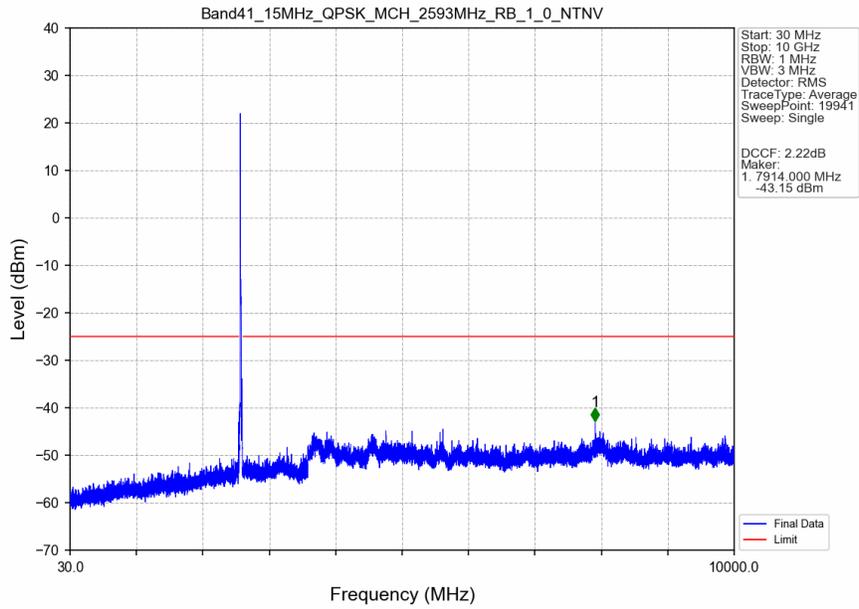


Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV

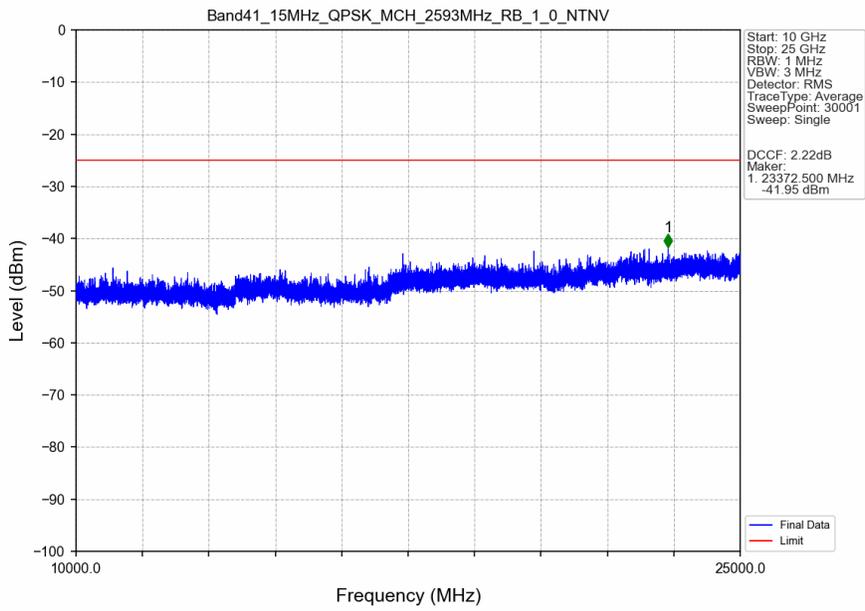


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2486.144	-32.55	-25	Pass
2490.5	2495	1	CHP	2	2494.308	-30.38	-13	Pass
2495	2496	0.149	CHP	3	2495.634	-37.65	-13	Pass
2496	2511	0.149	CHP	/	/	/	/	/

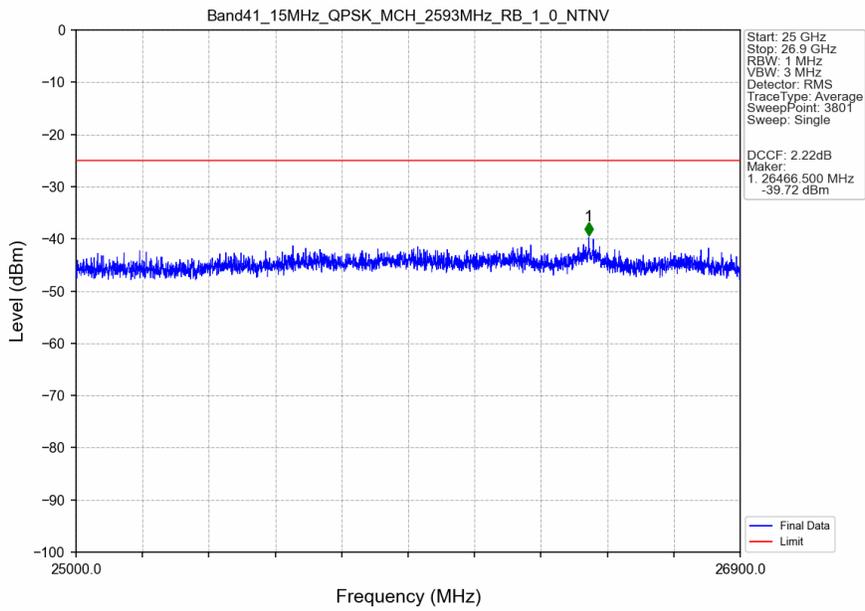
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



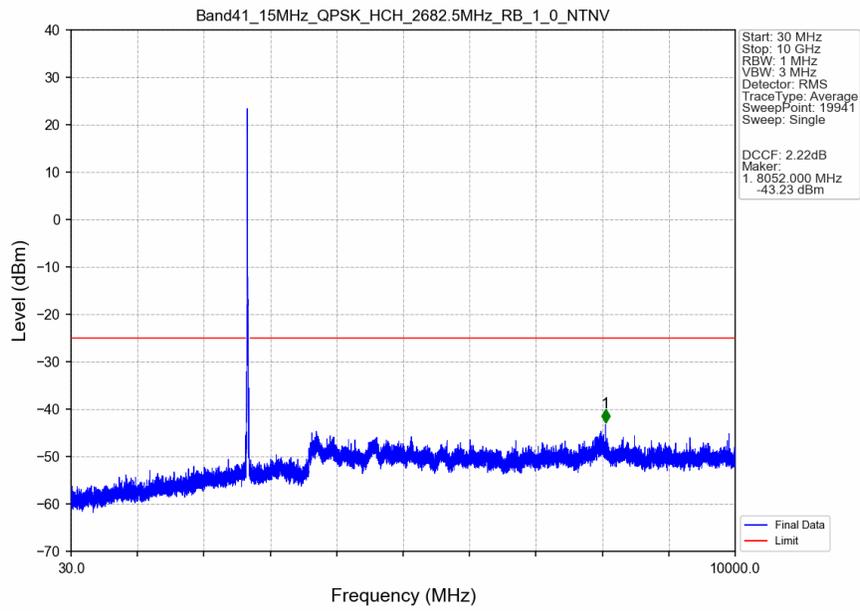
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



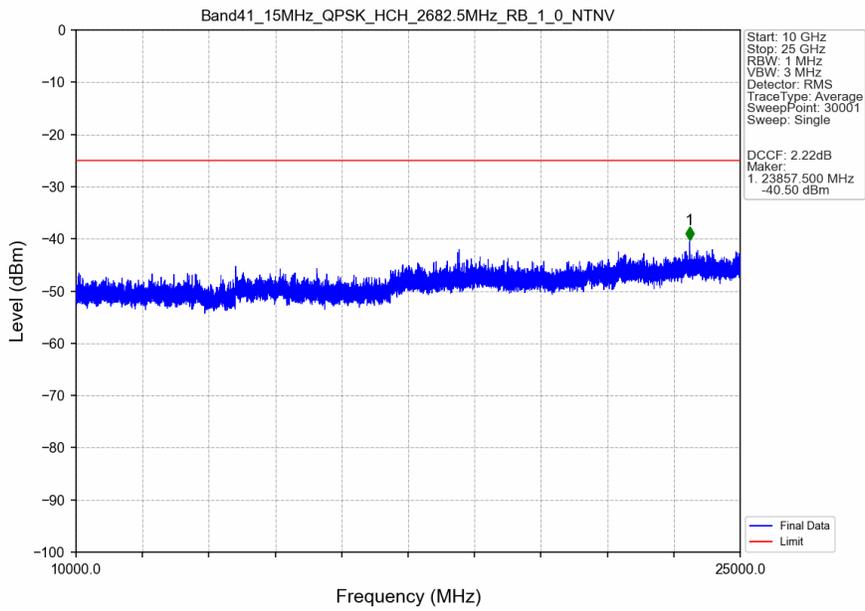
Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



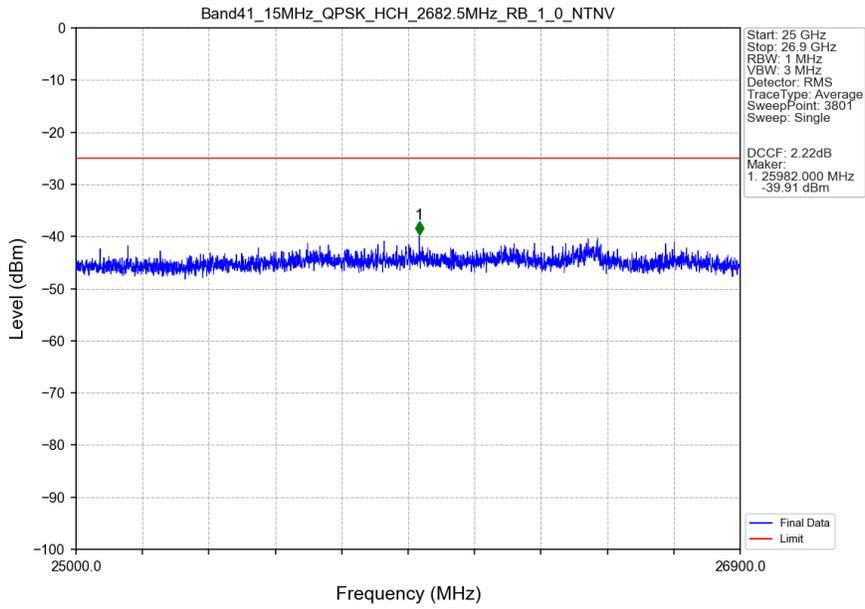
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



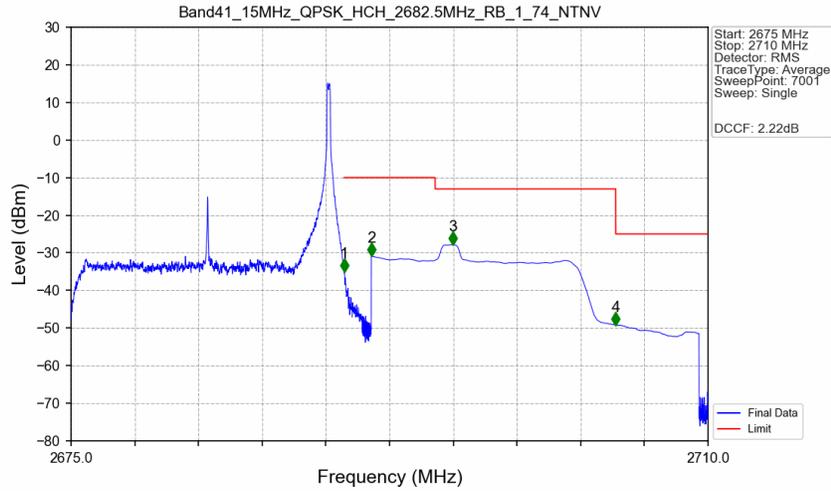
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV



Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_0\_NTNV

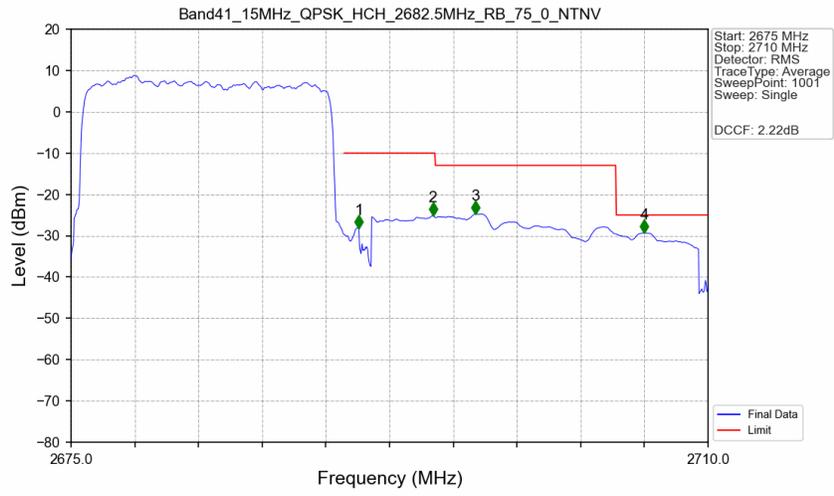


Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_1\_74\_NTNV



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	2690.015	-35.03	-10	Pass
2691	2695	1	CHP	2	2691.500	-30.81	-10	Pass
2695	2704.926	1	CHP	3	2695.975	-27.83	-13	Pass
2704.926	2710	1	CHP	4	2704.930	-49.20	-25	Pass

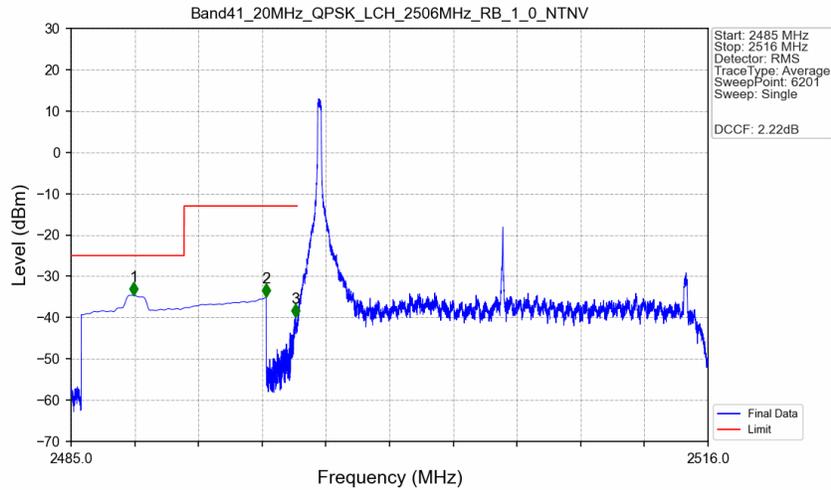
Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.299	CHP	/	/	/	/	/
2690	2691	0.299	CHP	1	2690.820	-28.14	-10	Pass
2691	2695	1	CHP	2	2694.880	-25.20	-10	Pass
2695	2704.926	1	CHP	3	2697.225	-24.68	-13	Pass
2704.926	2710	1	CHP	4	2706.500	-29.33	-25	Pass

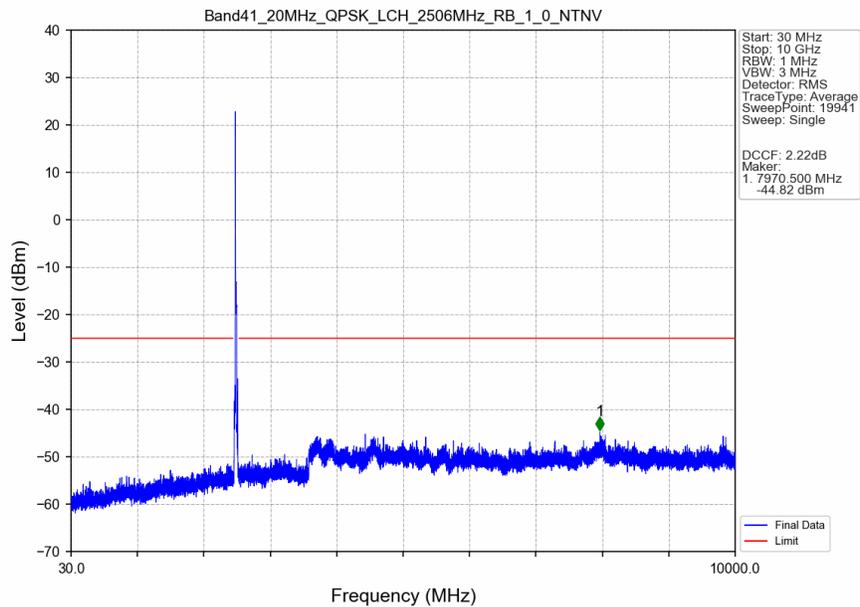
### 5.2.4 B41\_20MHz

Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV

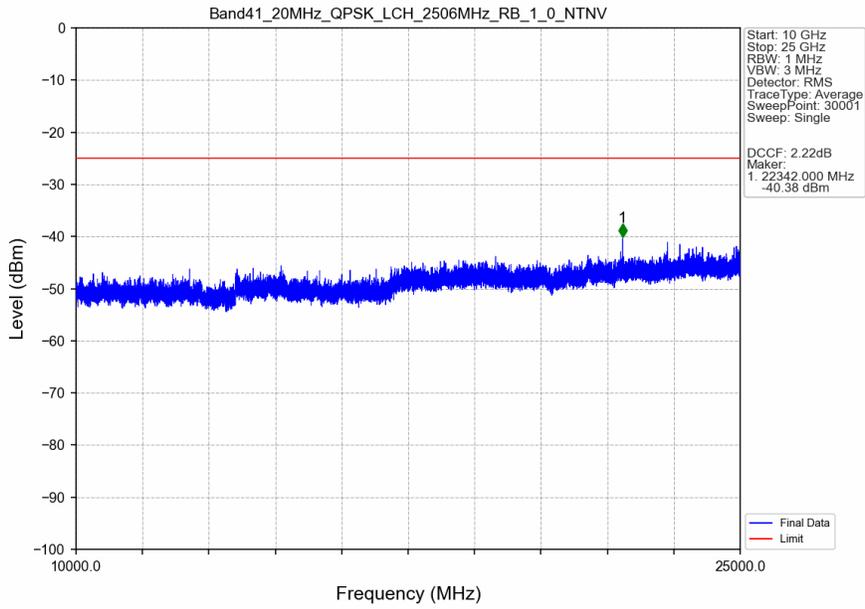


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2488.050	-34.58	-25	Pass
2490.5	2495	1	CHP	2	2494.500	-35.01	-13	Pass
2495	2496	0.01	/	3	2495.925	-39.92	-13	Pass
2496	2516	0.01	/	/	/	/	/	/

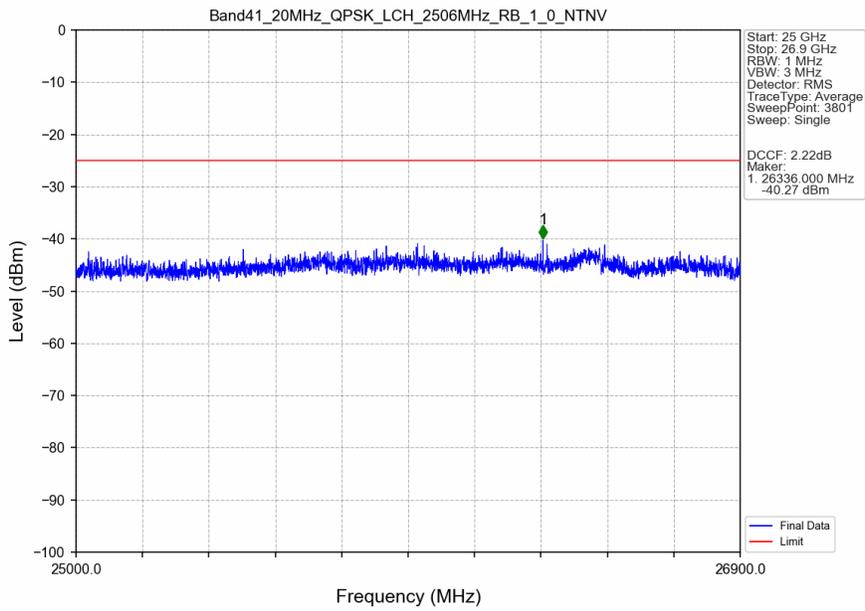
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV



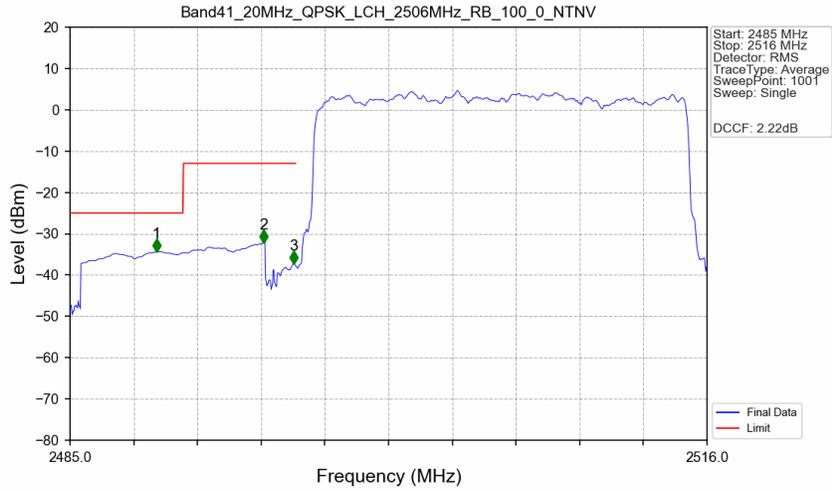
Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_1\_0\_NTNV

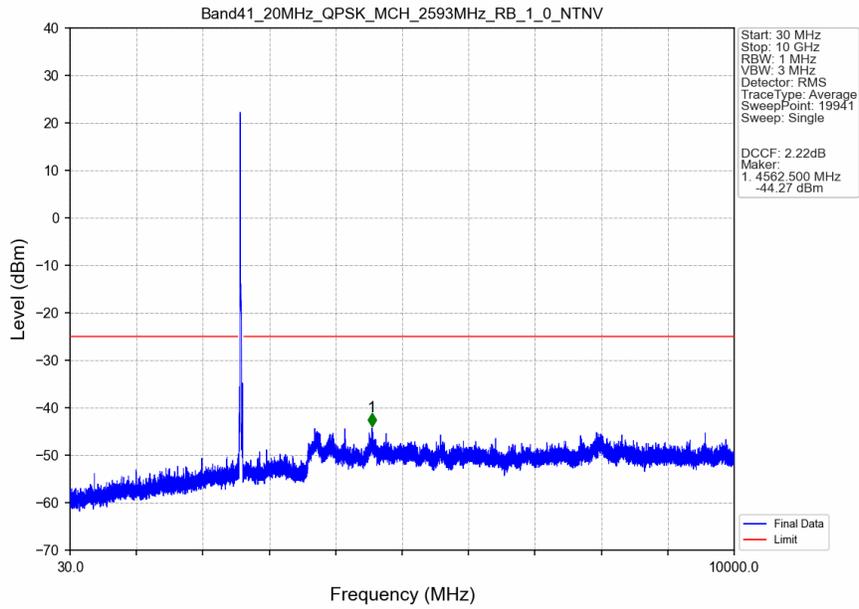


Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV

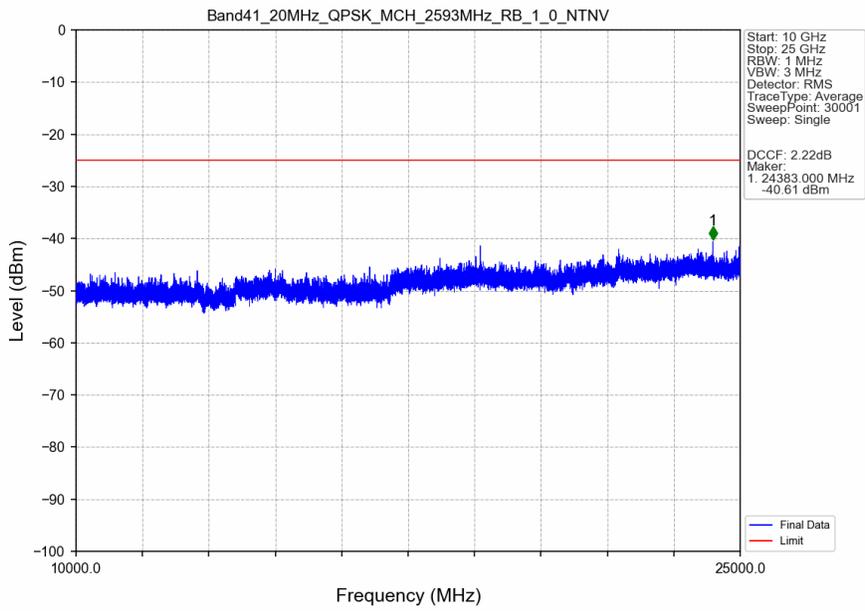


Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2490.5	1	CHP	1	2489.216	-34.33	-25	Pass
2490.5	2495	1	CHP	2	2494.424	-32.16	-13	Pass
2495	2496	0.198	CHP	3	2495.881	-37.26	-13	Pass
2496	2516	0.198	CHP	/	/	/	/	/

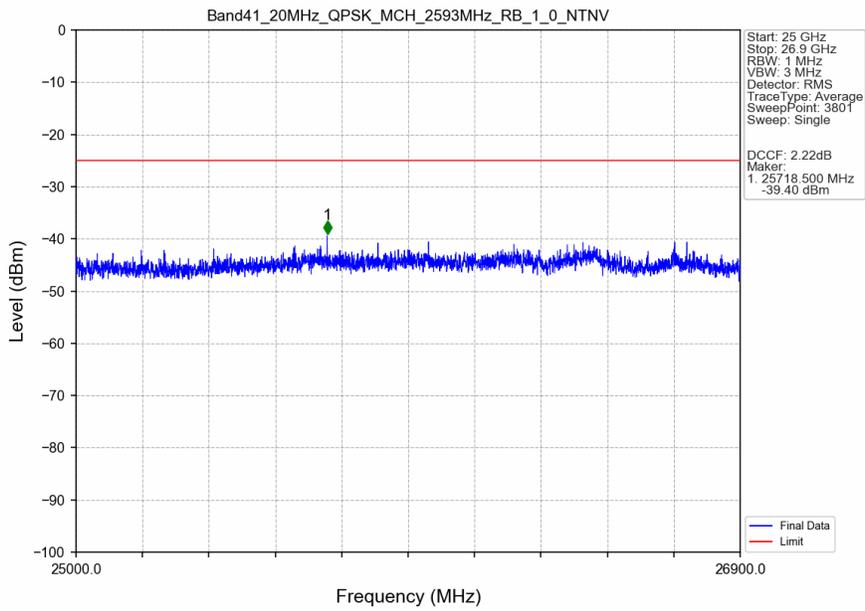
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



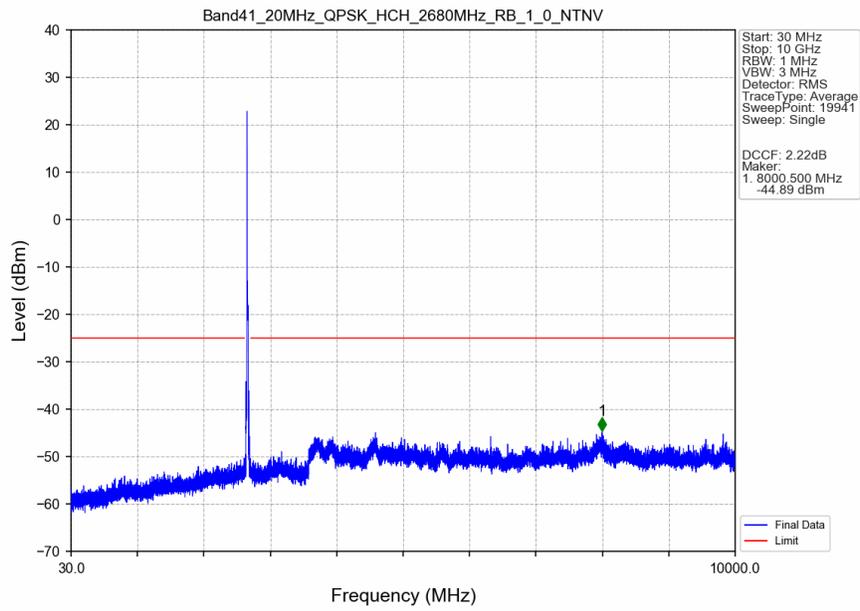
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



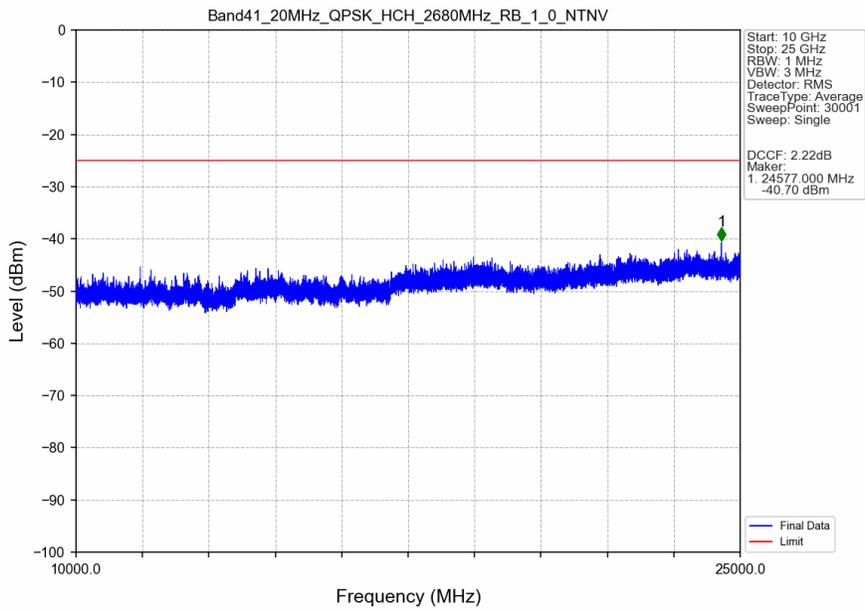
Band41\_20MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



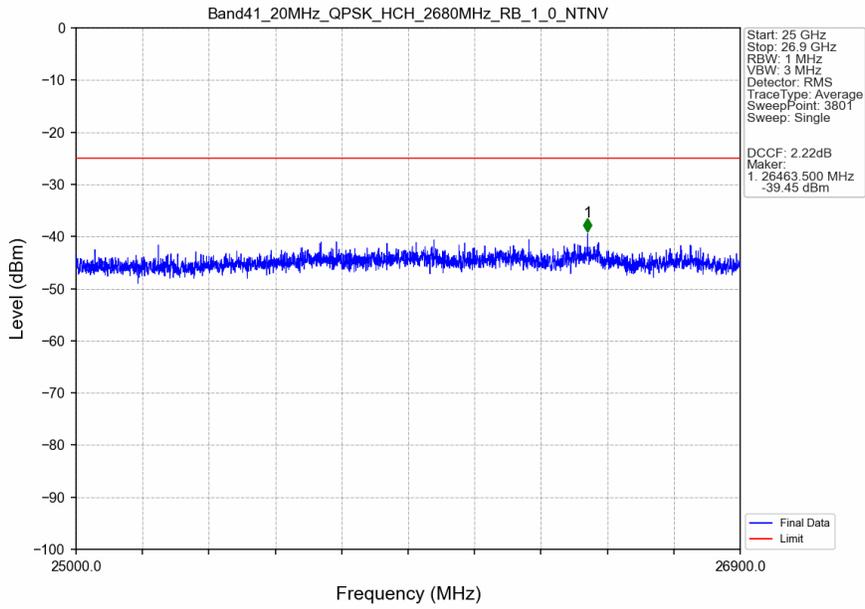
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



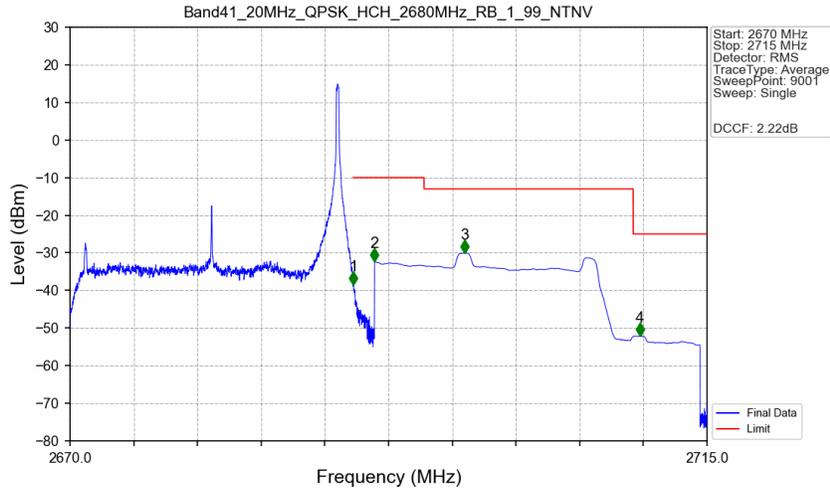
Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV



Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_0\_NTNV

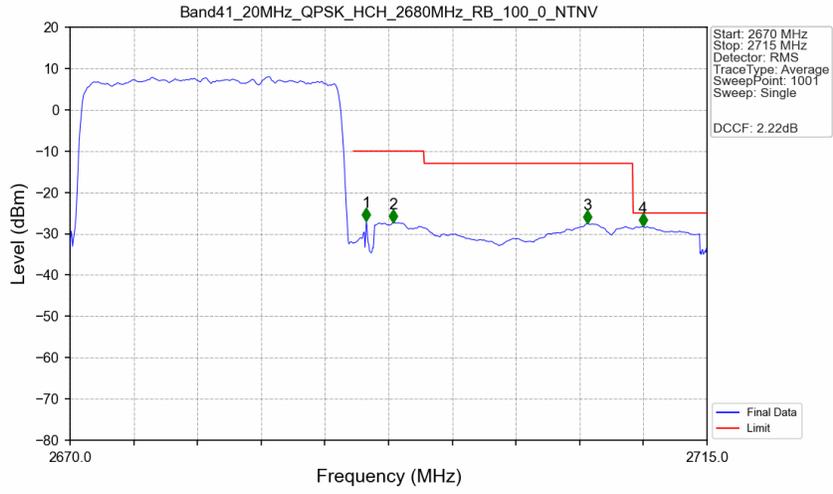


Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_1\_99\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2670	2690	0.02	CHP	/	/	/	/	/
2690	2691	0.02	CHP	1	2690.010	-38.39	-10	Pass
2691	2695	1	CHP	2	2691.500	-32.27	-10	Pass
2695	2709.777	1	CHP	3	2697.865	-30.04	-13	Pass
2709.777	2715	1	CHP	4	2710.255	-52.16	-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	0.396	CHP	/	/	/	/	/
2690	2691	0.396	CHP	1	2690.925	-26.97	-10	Pass
2691	2695	1	CHP	2	2692.815	-27.38	-10	Pass
2695	2709.777	1	CHP	3	2706.540	-27.55	-13	Pass
2709.777	2715	1	CHP	4	2710.455	-28.29	-25	Pass