

# Appendix B.7

## LTE Band 41



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### 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	24.35	7.74	32.09	<=33.01	Pass
			13	24.37	7.74	32.11	<=33.01	Pass
			24	24.38	7.74	32.12	<=33.01	Pass
		12	0	23.40	7.74	31.14	<=33.01	Pass
			6	23.47	7.74	31.21	<=33.01	Pass
			13	23.46	7.74	31.20	<=33.01	Pass
		25	0	23.39	7.74	31.13	<=33.01	Pass
	2593	1	0	24.50	7.74	32.24	<=33.01	Pass
			13	24.55	7.74	32.29	<=33.01	Pass
			24	24.57	7.74	32.31	<=33.01	Pass
		12	0	23.51	7.74	31.25	<=33.01	Pass
			6	23.52	7.74	31.26	<=33.01	Pass
			13	23.53	7.74	31.27	<=33.01	Pass
		25	0	23.49	7.74	31.23	<=33.01	Pass
	2687.5	1	0	24.14	7.74	31.88	<=33.01	Pass
			13	24.24	7.74	31.98	<=33.01	Pass
			24	24.06	7.74	31.80	<=33.01	Pass
		12	0	23.11	7.74	30.85	<=33.01	Pass
			6	23.14	7.74	30.88	<=33.01	Pass
			13	23.15	7.74	30.89	<=33.01	Pass
		25	0	23.09	7.74	30.83	<=33.01	Pass
16QAM	2498.5	1	0	23.27	7.74	31.01	<=33.01	Pass
			13	23.38	7.74	31.12	<=33.01	Pass
			24	23.32	7.74	31.06	<=33.01	Pass
		12	0	22.41	7.74	30.15	<=33.01	Pass
			6	22.41	7.74	30.15	<=33.01	Pass
			13	22.45	7.74	30.19	<=33.01	Pass
		25	0	22.42	7.74	30.16	<=33.01	Pass



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	2593	1	0	23.40	7.74	31.14	<=33.01	Pass
			13	23.58	7.74	31.32	<=33.01	Pass
			24	23.56	7.74	31.30	<=33.01	Pass
		12	0	22.46	7.74	30.20	<=33.01	Pass
			6	22.47	7.74	30.21	<=33.01	Pass
			13	22.51	7.74	30.25	<=33.01	Pass
		25	0	22.48	7.74	30.22	<=33.01	Pass
	2687.5	1	0	23.25	7.74	30.99	<=33.01	Pass
			13	23.21	7.74	30.95	<=33.01	Pass
			24	23.07	7.74	30.81	<=33.01	Pass
		12	0	22.07	7.74	29.81	<=33.01	Pass
			6	22.15	7.74	29.89	<=33.01	Pass
			13	22.23	7.74	29.97	<=33.01	Pass
		25	0	22.09	7.74	29.83	<=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	24.34	7.74	32.08	<=33.01	Pass
			25	24.41	7.74	32.15	<=33.01	Pass
			49	24.41	7.74	32.15	<=33.01	Pass
		25	0	23.44	7.74	31.18	<=33.01	Pass
			13	23.48	7.74	31.22	<=33.01	Pass
			25	23.47	7.74	31.21	<=33.01	Pass
		50	0	23.45	7.74	31.19	<=33.01	Pass
	2593	1	0	24.56	7.74	32.30	<=33.01	Pass
			25	24.57	7.74	32.31	<=33.01	Pass
			49	24.44	7.74	32.18	<=33.01	Pass
		25	0	23.52	7.74	31.26	<=33.01	Pass
			13	23.54	7.74	31.28	<=33.01	Pass
			25	23.59	7.74	31.33	<=33.01	Pass
		50	0	23.49	7.74	31.23	<=33.01	Pass
	2685	1	0	23.99	7.74	31.73	<=33.01	Pass
			25	24.26	7.74	32.00	<=33.01	Pass
			49	23.91	7.74	31.65	<=33.01	Pass



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		25	0	23.12	7.74	30.86	<=33.01	Pass
			13	23.27	7.74	31.01	<=33.01	Pass
			25	23.14	7.74	30.88	<=33.01	Pass
		50	0	23.15	7.74	30.89	<=33.01	Pass
16QAM	2501	1	0	23.34	7.74	31.08	<=33.01	Pass
			25	23.35	7.74	31.09	<=33.01	Pass
			49	23.36	7.74	31.10	<=33.01	Pass
		25	0	22.45	7.74	30.19	<=33.01	Pass
			13	22.52	7.74	30.26	<=33.01	Pass
			25	22.49	7.74	30.23	<=33.01	Pass
		50	0	22.44	7.74	30.18	<=33.01	Pass
	2593	1	0	23.55	7.74	31.29	<=33.01	Pass
			25	23.60	7.74	31.34	<=33.01	Pass
			49	23.54	7.74	31.28	<=33.01	Pass
		25	0	22.54	7.74	30.28	<=33.01	Pass
			13	22.56	7.74	30.30	<=33.01	Pass
			25	22.56	7.74	30.30	<=33.01	Pass
		50	0	22.54	7.74	30.28	<=33.01	Pass
	2685	1	0	23.03	7.74	30.77	<=33.01	Pass
			25	23.31	7.74	31.05	<=33.01	Pass
			49	22.97	7.74	30.71	<=33.01	Pass
		25	0	22.09	7.74	29.83	<=33.01	Pass
			13	22.25	7.74	29.99	<=33.01	Pass
			25	22.12	7.74	29.86	<=33.01	Pass
		50	0	22.16	7.74	29.90	<=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	24.10	7.74	31.84	<=33.01	Pass
			38	24.19	7.74	31.93	<=33.01	Pass
			74	24.12	7.74	31.86	<=33.01	Pass
		36	0	23.17	7.74	30.91	<=33.01	Pass
			18	23.26	7.74	31.00	<=33.01	Pass
			39	23.27	7.74	31.01	<=33.01	Pass



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		75	0	23.25	7.74	30.99	<=33.01	Pass
		1	0	24.43	7.74	32.17	<=33.01	Pass
			38	24.35	7.74	32.09	<=33.01	Pass
			74	24.30	7.74	32.04	<=33.01	Pass
		36	0	23.39	7.74	31.13	<=33.01	Pass
			18	23.37	7.74	31.11	<=33.01	Pass
			39	23.38	7.74	31.12	<=33.01	Pass
		75	0	23.38	7.74	31.12	<=33.01	Pass
		2682.5	0	23.82	7.74	31.56	<=33.01	Pass
			38	24.04	7.74	31.78	<=33.01	Pass
			74	23.94	7.74	31.68	<=33.01	Pass
		36	0	22.96	7.74	30.70	<=33.01	Pass
			18	23.09	7.74	30.83	<=33.01	Pass
			39	23.06	7.74	30.80	<=33.01	Pass
		75	0	23.04	7.74	30.78	<=33.01	Pass
16QAM		2503.5	0	23.26	7.74	31.00	<=33.01	Pass
			38	23.32	7.74	31.06	<=33.01	Pass
			74	23.27	7.74	31.01	<=33.01	Pass
		36	0	22.20	7.74	29.94	<=33.01	Pass
			18	22.27	7.74	30.01	<=33.01	Pass
			39	22.23	7.74	29.97	<=33.01	Pass
		75	0	22.28	7.74	30.02	<=33.01	Pass
		2593	0	23.38	7.74	31.12	<=33.01	Pass
			38	23.36	7.74	31.10	<=33.01	Pass
			74	23.35	7.74	31.09	<=33.01	Pass
		36	0	22.40	7.74	30.14	<=33.01	Pass
			18	22.37	7.74	30.11	<=33.01	Pass
			39	22.39	7.74	30.13	<=33.01	Pass
		75	0	22.34	7.74	30.08	<=33.01	Pass
		2682.5	0	22.82	7.74	30.56	<=33.01	Pass
			38	23.03	7.74	30.77	<=33.01	Pass
			74	22.97	7.74	30.71	<=33.01	Pass
		36	0	21.94	7.74	29.68	<=33.01	Pass
			18	22.10	7.74	29.84	<=33.01	Pass
			39	22.06	7.74	29.80	<=33.01	Pass
		75	0	22.05	7.74	29.79	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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### 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	24.16	7.74	31.90	<=33.01	Pass
			50	24.18	7.74	31.92	<=33.01	Pass
			99	24.08	7.74	31.82	<=33.01	Pass
		50	0	23.32	7.74	31.06	<=33.01	Pass
			25	23.31	7.74	31.05	<=33.01	Pass
			50	23.24	7.74	30.98	<=33.01	Pass
		100	0	23.28	7.74	31.02	<=33.01	Pass
	2593	1	0	24.46	7.74	32.20	<=33.01	Pass
			50	24.37	7.74	32.11	<=33.01	Pass
			99	24.27	7.74	32.01	<=33.01	Pass
		50	0	23.44	7.74	31.18	<=33.01	Pass
			25	23.39	7.74	31.13	<=33.01	Pass
			50	23.39	7.74	31.13	<=33.01	Pass
		100	0	23.35	7.74	31.09	<=33.01	Pass
	2680	1	0	23.68	7.74	31.42	<=33.01	Pass
			50	24.11	7.74	31.85	<=33.01	Pass
			99	23.92	7.74	31.66	<=33.01	Pass
		50	0	22.89	7.74	30.63	<=33.01	Pass
			25	23.07	7.74	30.81	<=33.01	Pass
			50	23.08	7.74	30.82	<=33.01	Pass
		100	0	22.98	7.74	30.72	<=33.01	Pass
16QAM	2506	1	0	23.07	7.74	30.81	<=33.01	Pass
			50	23.21	7.74	30.95	<=33.01	Pass
			99	23.11	7.74	30.85	<=33.01	Pass
		50	0	22.27	7.74	30.01	<=33.01	Pass
			25	22.29	7.74	30.03	<=33.01	Pass
			50	22.22	7.74	29.96	<=33.01	Pass
		100	0	22.29	7.74	30.03	<=33.01	Pass
	2593	1	0	23.42	7.74	31.16	<=33.01	Pass
			50	23.32	7.74	31.06	<=33.01	Pass
			99	23.32	7.74	31.06	<=33.01	Pass
		50	0	22.41	7.74	30.15	<=33.01	Pass
			25	22.40	7.74	30.14	<=33.01	Pass



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	2680	100	50	22.41	7.74	30.15	<=33.01	Pass
			0	22.35	7.74	30.09	<=33.01	Pass
		1	0	22.69	7.74	30.43	<=33.01	Pass
			50	23.15	7.74	30.89	<=33.01	Pass
			99	22.93	7.74	30.67	<=33.01	Pass
		50	0	21.93	7.74	29.67	<=33.01	Pass
			25	22.06	7.74	29.80	<=33.01	Pass
			50	22.10	7.74	29.84	<=33.01	Pass
		100	0	21.98	7.74	29.72	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain

## 2. Frequency Stability

### 2.1 Test Result

#### 2.1.1 B41\_20MHz

Band: 41 / Bandwidth: 20MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2506	100	0	20	3.27	-4.406	-0.0018	-2.5 to 2.5	Pass
					3.85	-3.705	-0.0015	-2.5 to 2.5	Pass
					4.43	-2.189	-0.0009	-2.5 to 2.5	Pass
				0	3.85	-4.921	-0.0020	-2.5 to 2.5	Pass
				10	3.85	-1.473	-0.0006	-2.5 to 2.5	Pass
				30	3.85	-2.575	-0.0010	-2.5 to 2.5	Pass
				40	3.85	-3.304	-0.0013	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-3.819	-0.0015	-2.5 to 2.5	Pass
					3.85	-2.961	-0.0011	-2.5 to 2.5	Pass
					4.43	-3.262	-0.0013	-2.5 to 2.5	Pass
				0	3.85	-0.286	-0.0001	-2.5 to 2.5	Pass
				10	3.85	-2.561	-0.0010	-2.5 to 2.5	Pass
				30	3.85	-3.319	-0.0013	-2.5 to 2.5	Pass
				40	3.85	-5.693	-0.0022	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-2.589	-0.0010	-2.5 to 2.5	Pass
					3.85	-3.104	-0.0012	-2.5 to 2.5	Pass
					4.43	-3.991	-0.0015	-2.5 to 2.5	Pass



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				0	3.85	-6.037	-0.0023	-2.5 to 2.5	Pass
				10	3.85	-4.878	-0.0018	-2.5 to 2.5	Pass
				30	3.85	-1.230	-0.0005	-2.5 to 2.5	Pass
				40	3.85	-4.005	-0.0015	-2.5 to 2.5	Pass
16QAM	2506	100	0	20	3.27	-1.960	-0.0008	-2.5 to 2.5	Pass
					3.85	-1.659	-0.0007	-2.5 to 2.5	Pass
					4.43	-1.087	-0.0004	-2.5 to 2.5	Pass
				0	3.85	-2.689	-0.0011	-2.5 to 2.5	Pass
				10	3.85	-0.987	-0.0004	-2.5 to 2.5	Pass
				30	3.85	-3.762	-0.0015	-2.5 to 2.5	Pass
				40	3.85	-3.433	-0.0014	-2.5 to 2.5	Pass
	2593	100	0	20	3.27	-3.490	-0.0013	-2.5 to 2.5	Pass
					3.85	-3.691	-0.0014	-2.5 to 2.5	Pass
					4.43	-2.575	-0.0010	-2.5 to 2.5	Pass
				0	3.85	-3.176	-0.0012	-2.5 to 2.5	Pass
				10	3.85	-0.386	-0.0001	-2.5 to 2.5	Pass
				30	3.85	-2.360	-0.0009	-2.5 to 2.5	Pass
				40	3.85	-3.347	-0.0013	-2.5 to 2.5	Pass
	2680	100	0	20	3.27	-3.490	-0.0013	-2.5 to 2.5	Pass
					3.85	-1.688	-0.0006	-2.5 to 2.5	Pass
					4.43	-3.076	-0.0011	-2.5 to 2.5	Pass
				0	3.85	-1.545	-0.0006	-2.5 to 2.5	Pass
				10	3.85	-2.060	-0.0008	-2.5 to 2.5	Pass
				30	3.85	-4.706	-0.0018	-2.5 to 2.5	Pass
				40	3.85	-1.073	-0.0004	-2.5 to 2.5	Pass



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### 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	2498.5	25	0	4.572	/	Pass
		2593	25	0	4.586	/	Pass
		2687.5	25	0	4.592	/	Pass
	16QAM	2498.5	25	0	4.571	/	Pass
		2593	25	0	4.587	/	Pass
		2687.5	25	0	4.589	/	Pass
10	QPSK	2501	50	0	9.098	/	Pass
		2593	50	0	9.071	/	Pass
		2685	50	0	9.048	/	Pass
	16QAM	2501	50	0	9.082	/	Pass
		2593	50	0	9.105	/	Pass
		2685	50	0	9.067	/	Pass
15	QPSK	2503.5	75	0	13.608	/	Pass
		2593	75	0	13.632	/	Pass
		2682.5	75	0	13.611	/	Pass
	16QAM	2503.5	75	0	13.603	/	Pass
		2593	75	0	13.580	/	Pass
		2682.5	75	0	13.637	/	Pass
20	QPSK	2506	100	0	18.147	/	Pass
		2593	100	0	18.152	/	Pass
		2680	100	0	18.137	/	Pass
	16QAM	2506	100	0	18.128	/	Pass
		2593	100	0	18.132	/	Pass
		2680	100	0	18.143	/	Pass



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### 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	2498.5	25	0	5.395	/	Pass
		2593	25	0	5.816	/	Pass
		2687.5	25	0	5.966	/	Pass
	16QAM	2498.5	25	0	5.509	/	Pass
		2593	25	0	5.571	/	Pass
		2687.5	25	0	5.782	/	Pass
10	QPSK	2501	50	0	11.202	/	Pass
		2593	50	0	10.886	/	Pass
		2685	50	0	10.375	/	Pass
	16QAM	2501	50	0	11.319	/	Pass
		2593	50	0	10.348	/	Pass
		2685	50	0	10.730	/	Pass
15	QPSK	2503.5	75	0	15.977	/	Pass
		2593	75	0	15.564	/	Pass
		2682.5	75	0	15.702	/	Pass
	16QAM	2503.5	75	0	16.207	/	Pass
		2593	75	0	16.841	/	Pass
		2682.5	75	0	15.781	/	Pass
20	QPSK	2506	100	0	21.676	/	Pass
		2593	100	0	21.903	/	Pass
		2680	100	0	21.398	/	Pass
	16QAM	2506	100	0	22.176	/	Pass
		2593	100	0	21.694	/	Pass
		2680	100	0	20.572	/	Pass



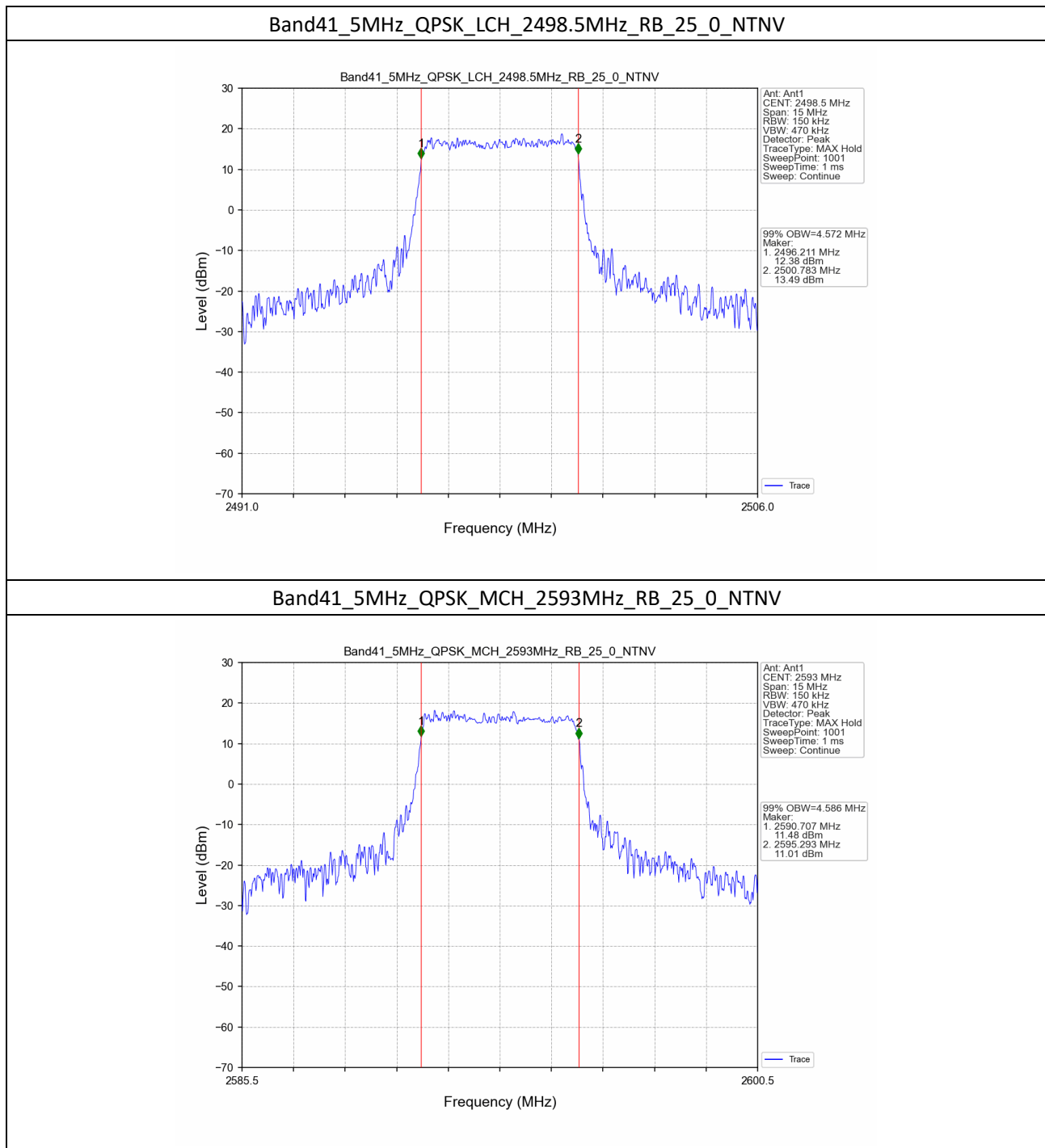
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### 3.2 Test Graph

#### 3.2.1 Band41\_OBW

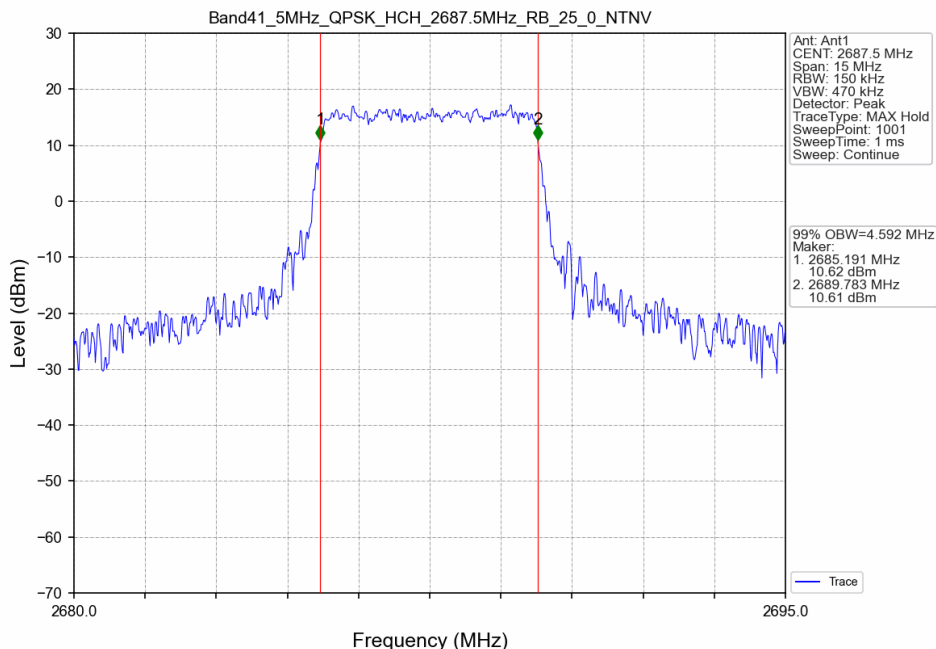


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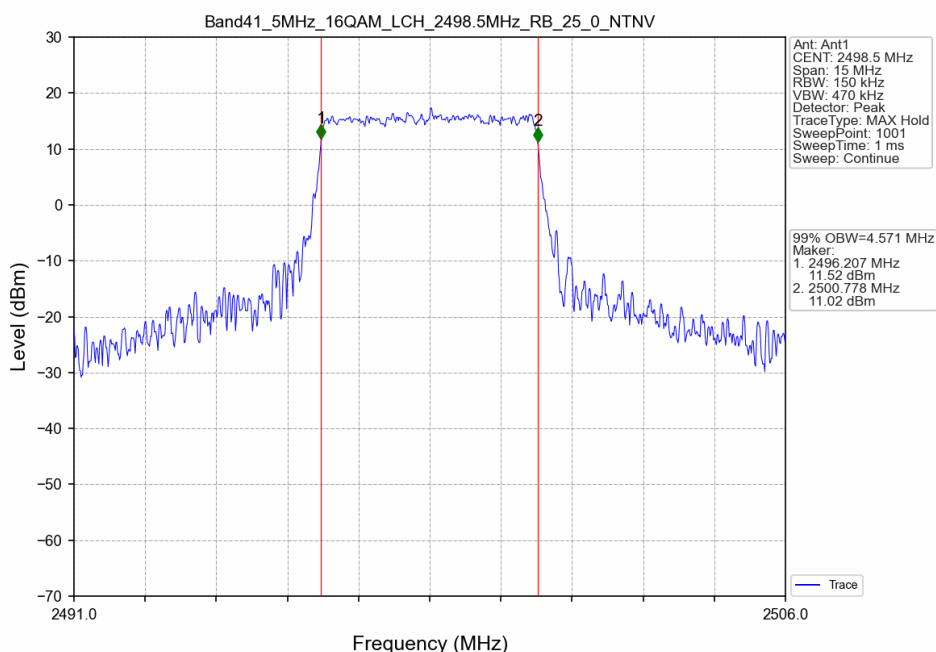
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Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV

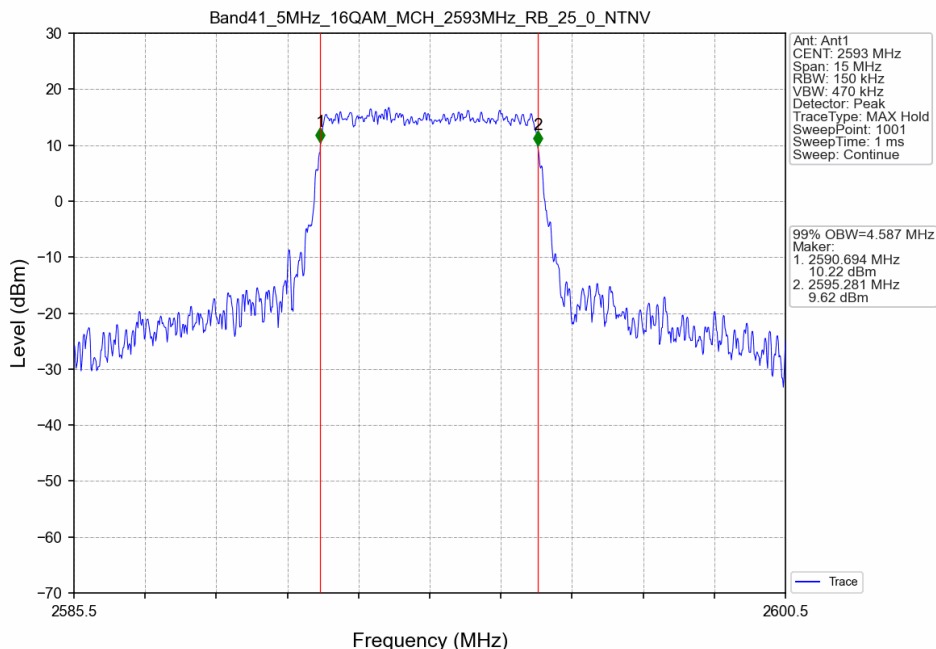


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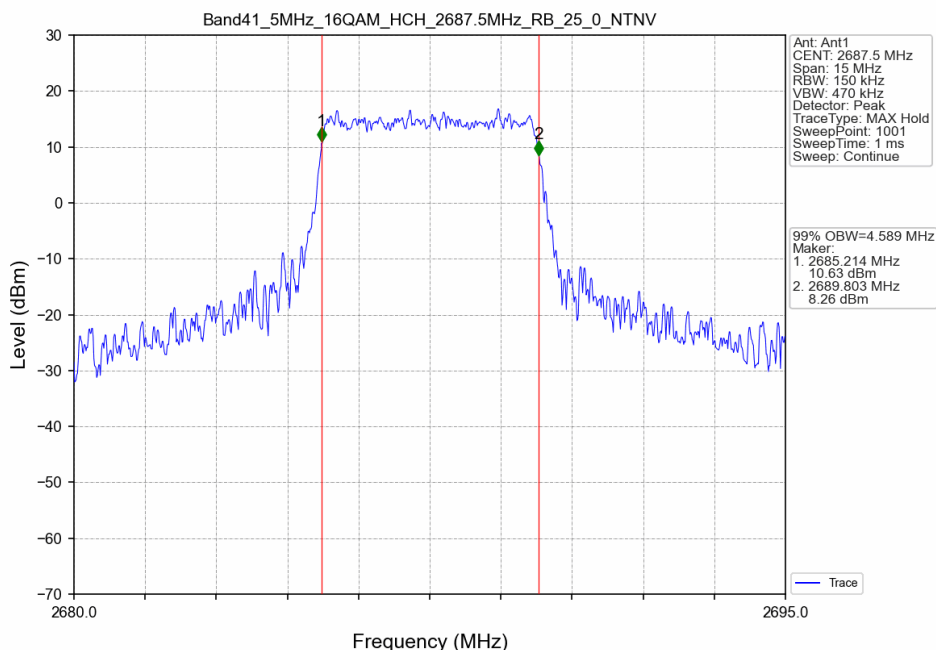
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Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



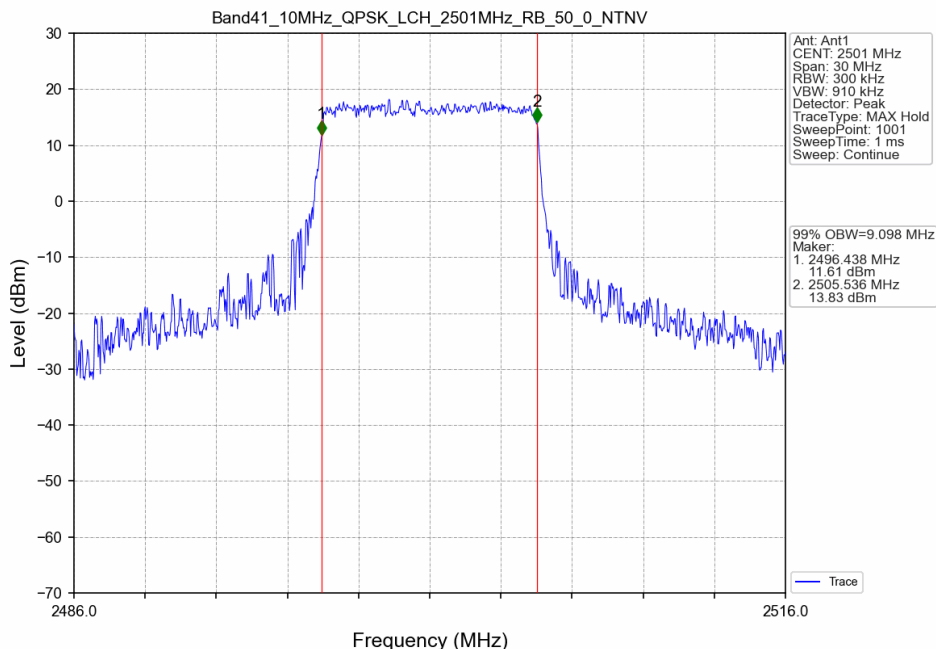
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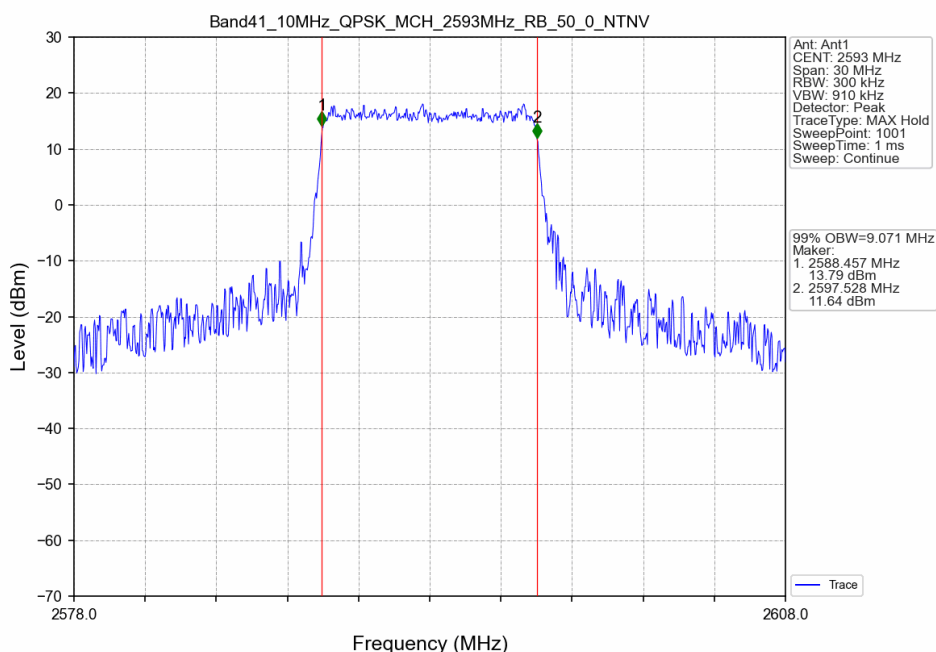
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Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



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

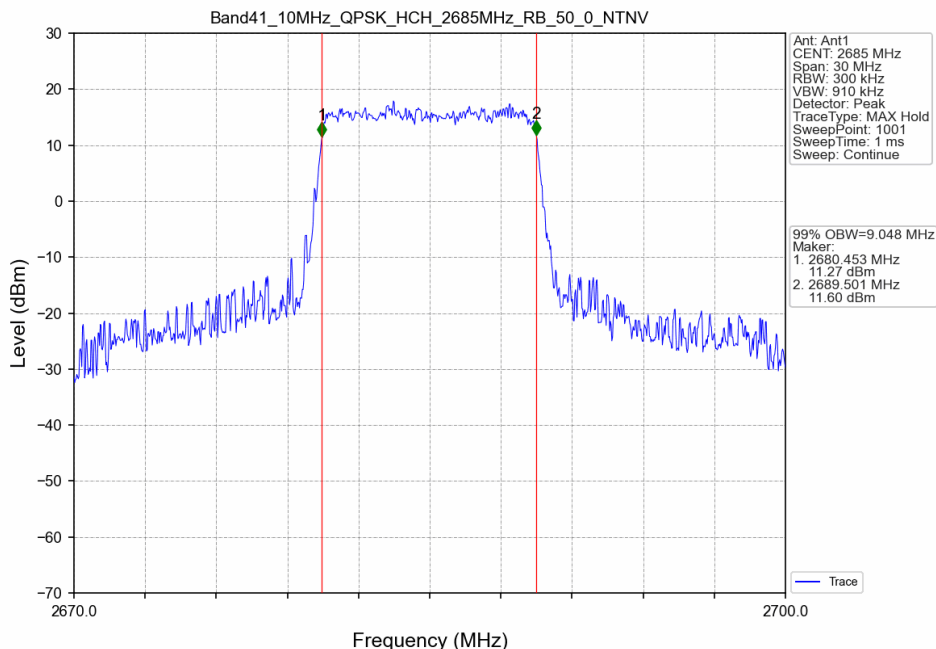


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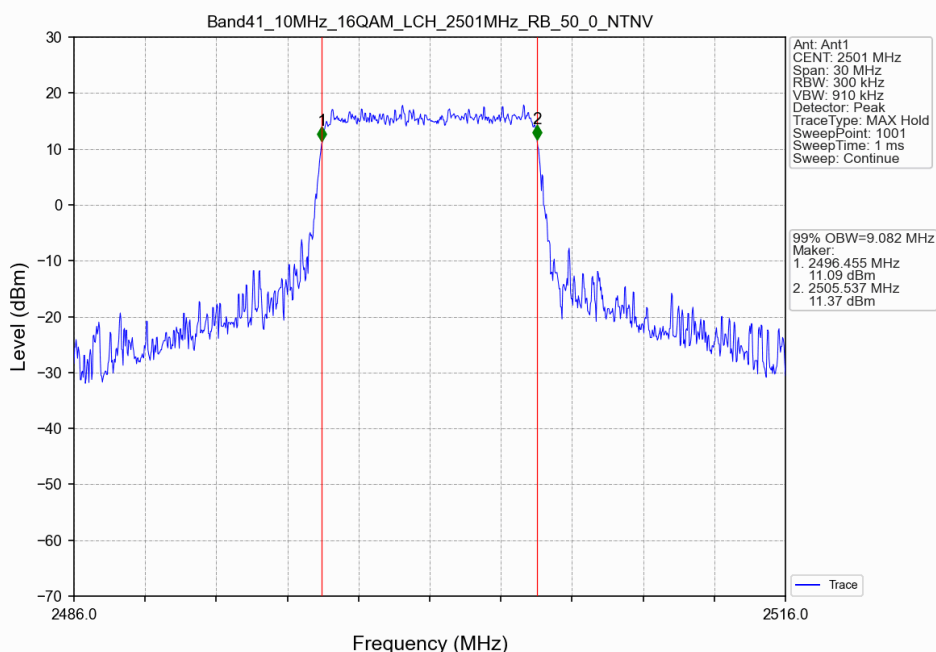
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Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV

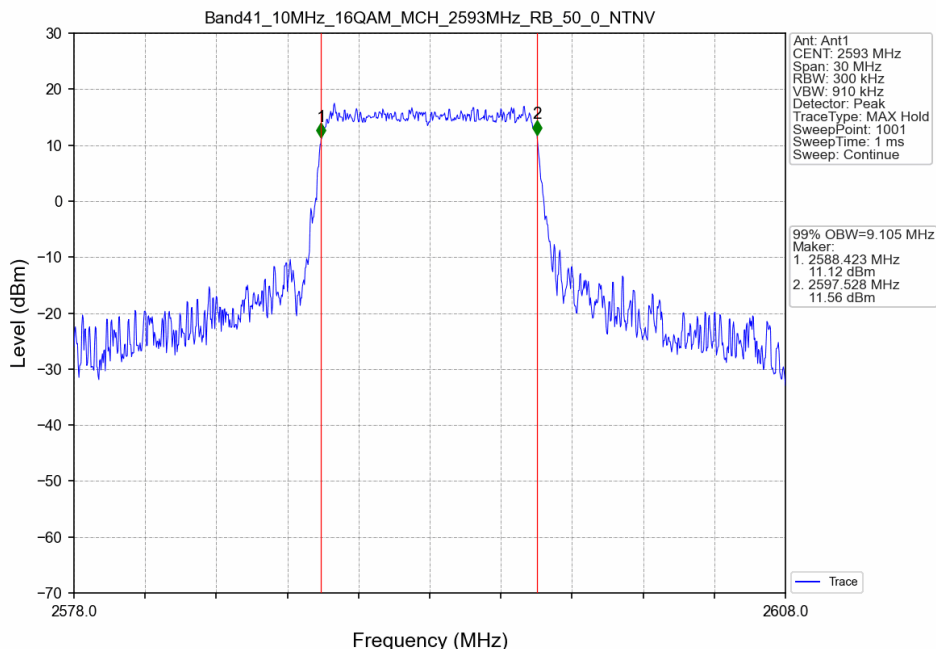


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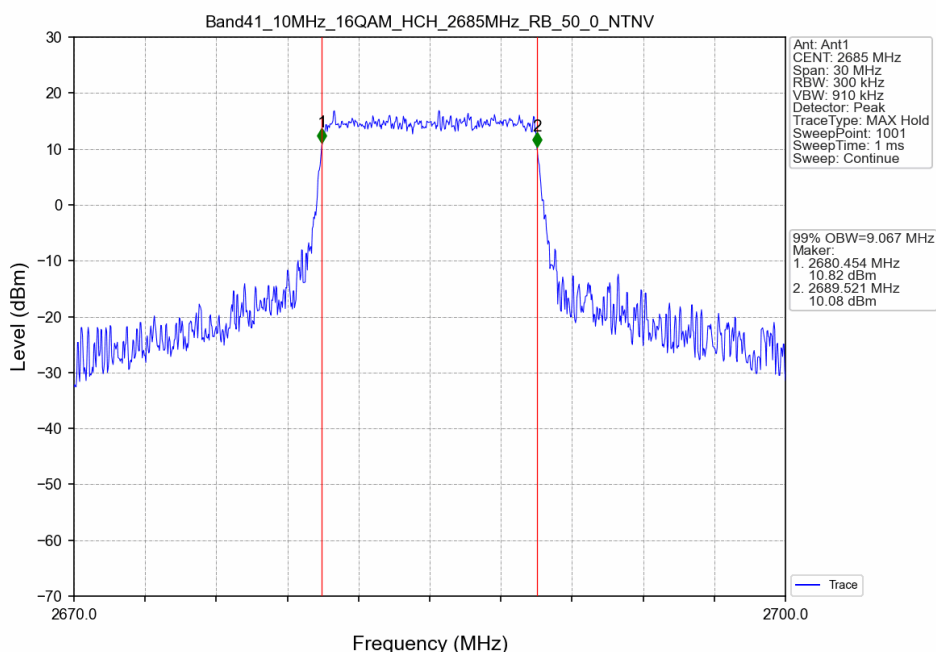
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Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV

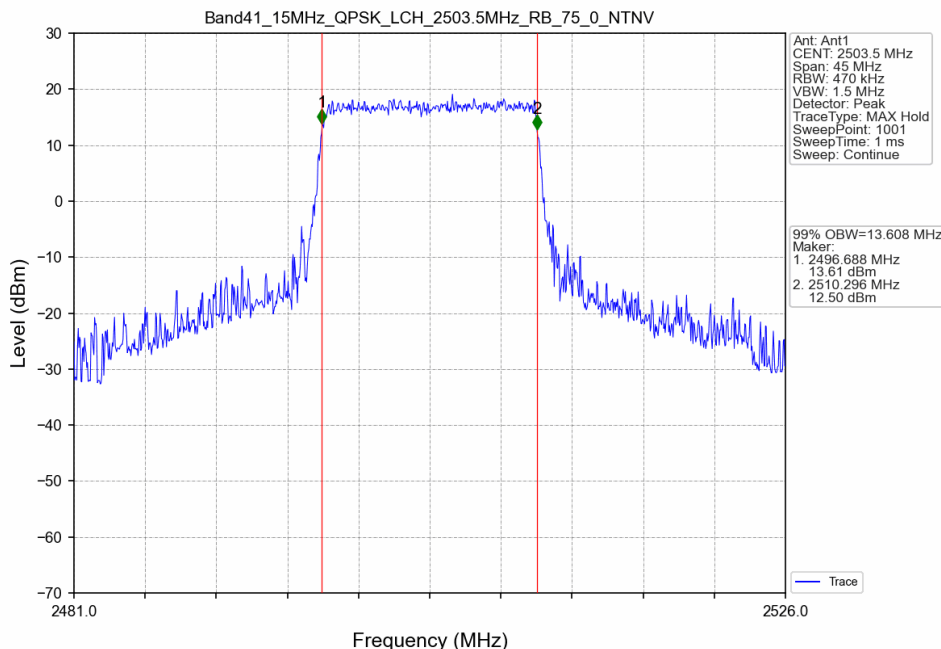


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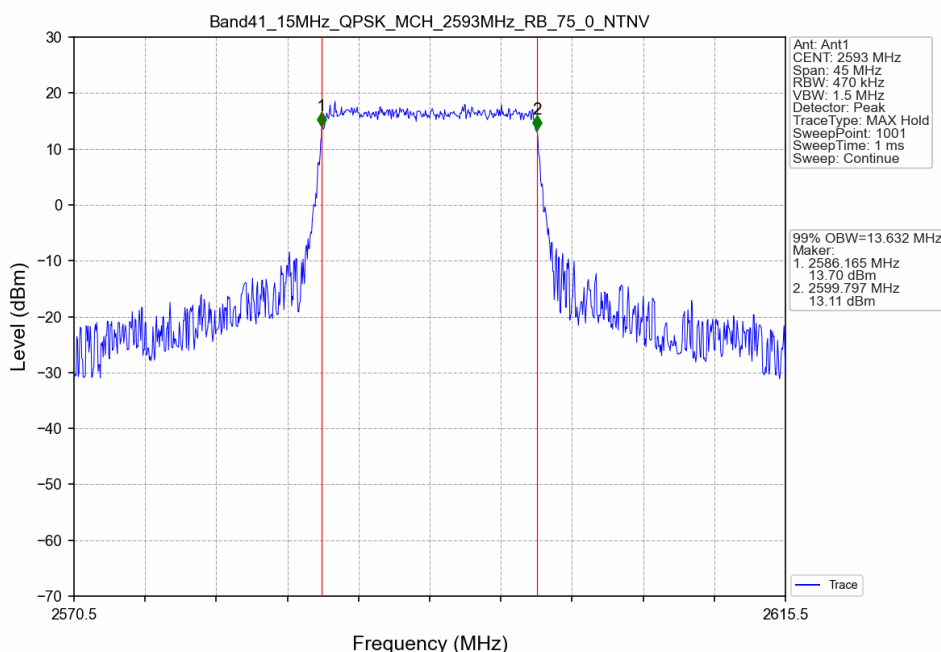
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Band41\_15MHz\_QPSK\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



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

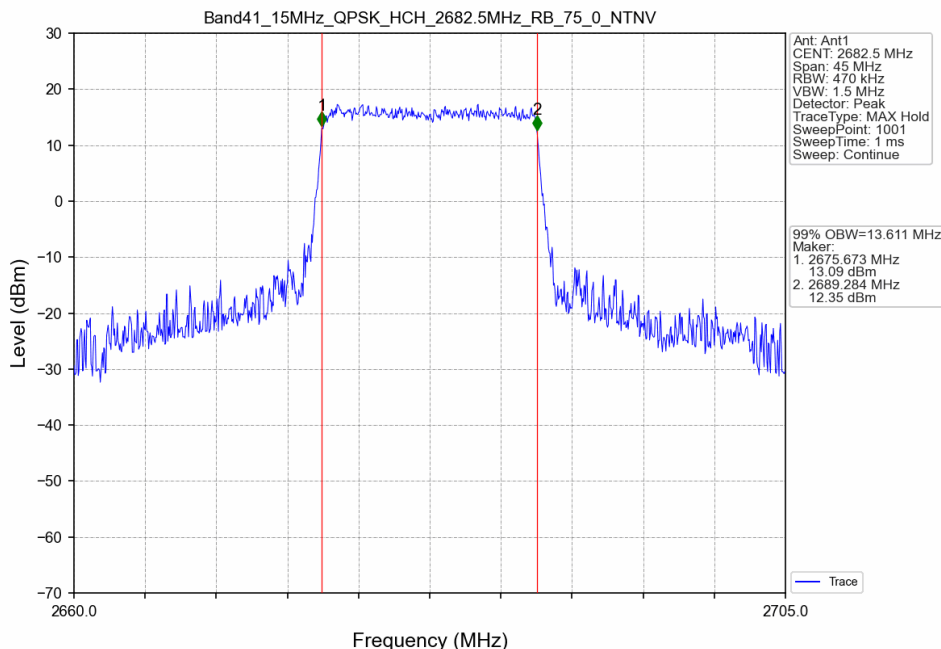


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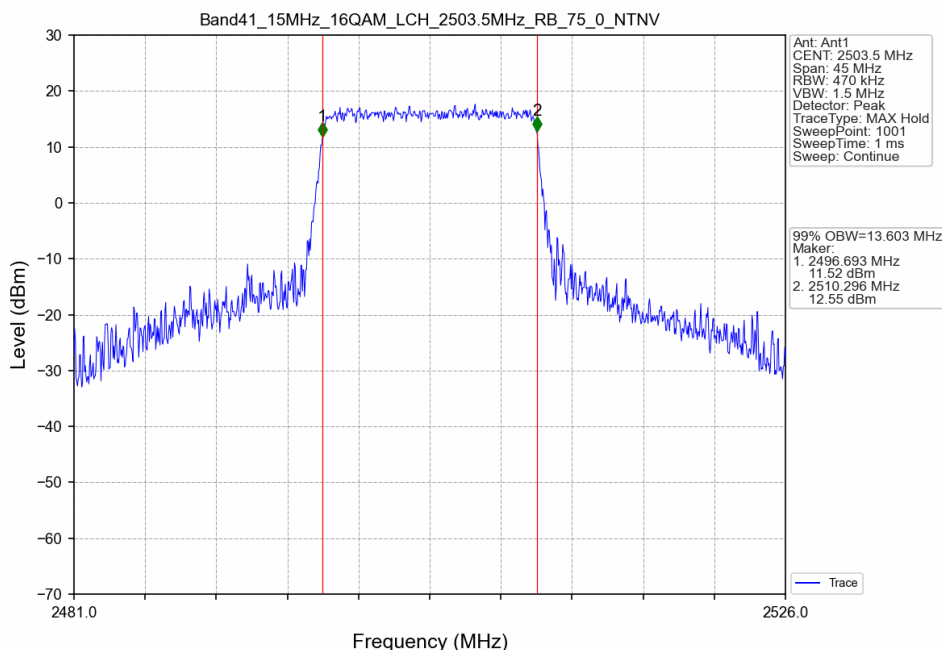
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Band41\_15MHz\_QPSK\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV



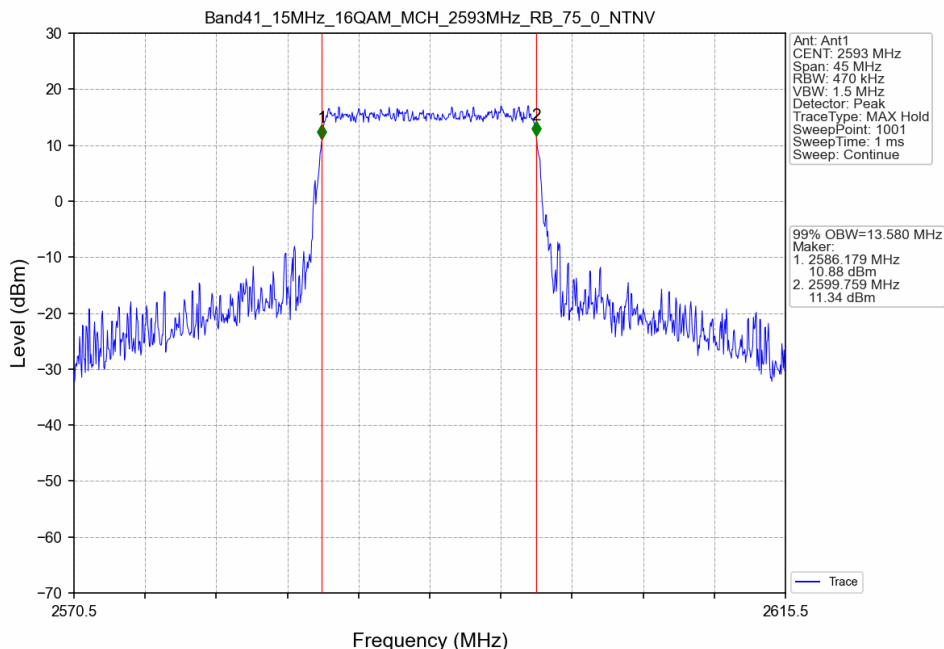
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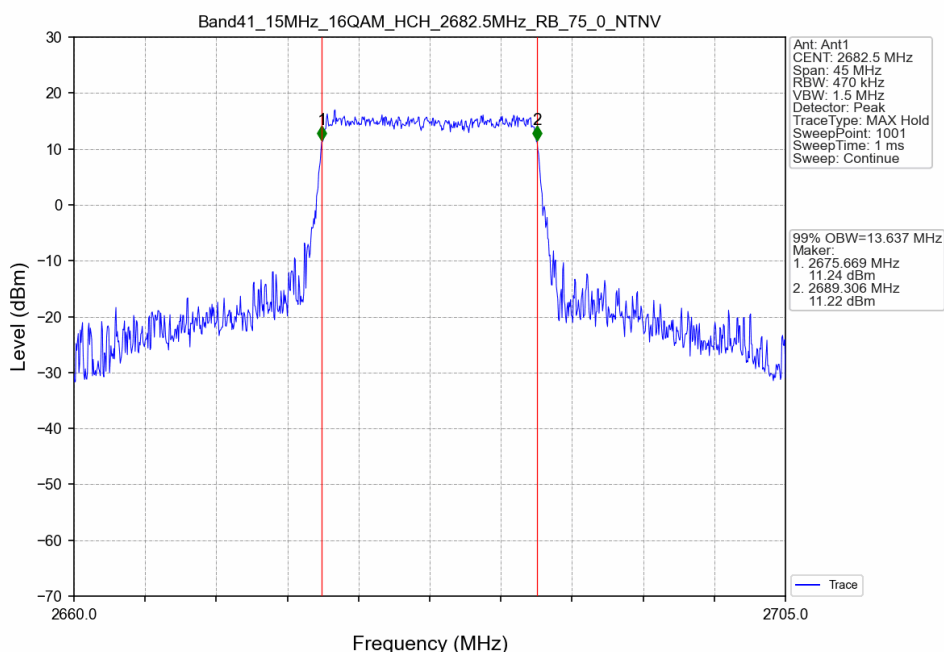
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Band41\_15MHz\_16QAM\_MCH\_2593MHz\_RB\_75\_0\_NTNV



Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV

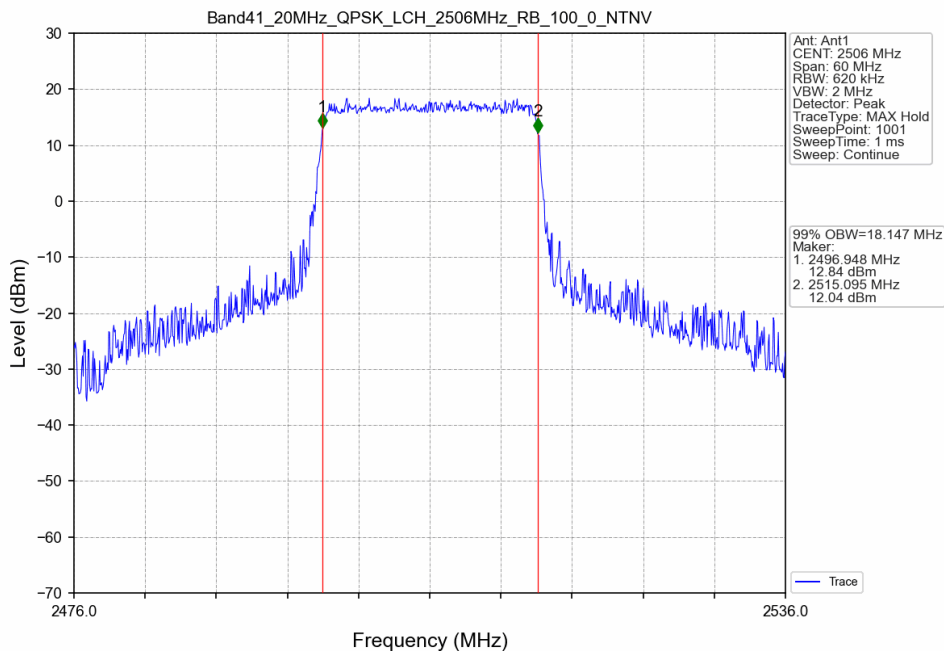


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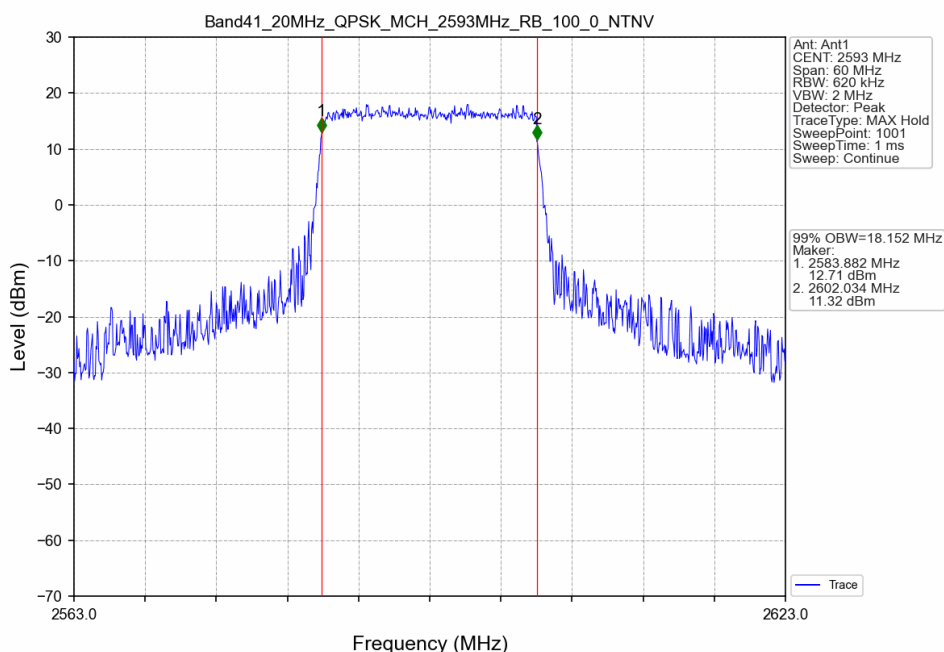
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Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



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

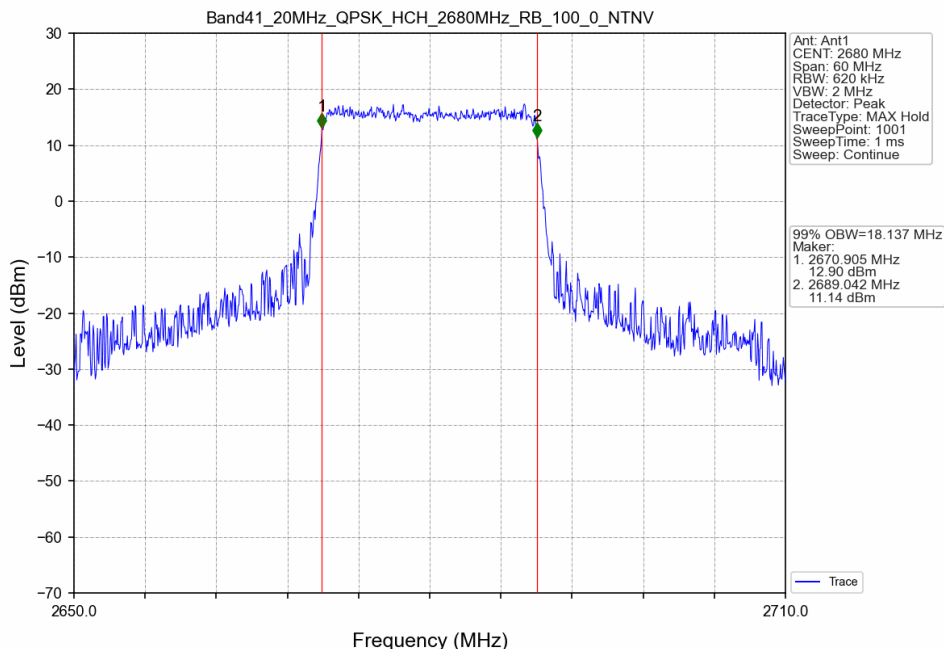


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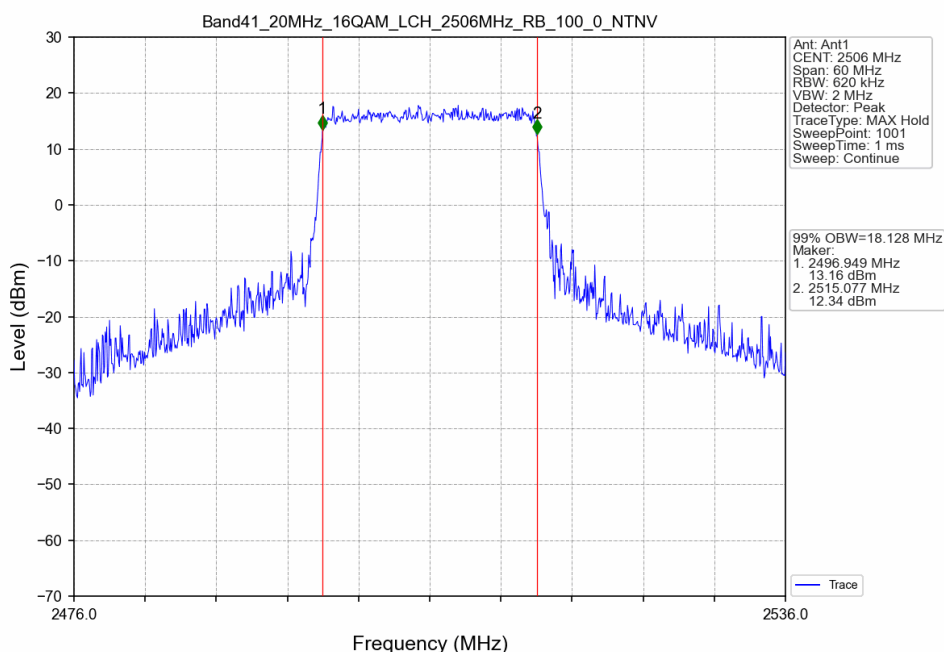
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Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV

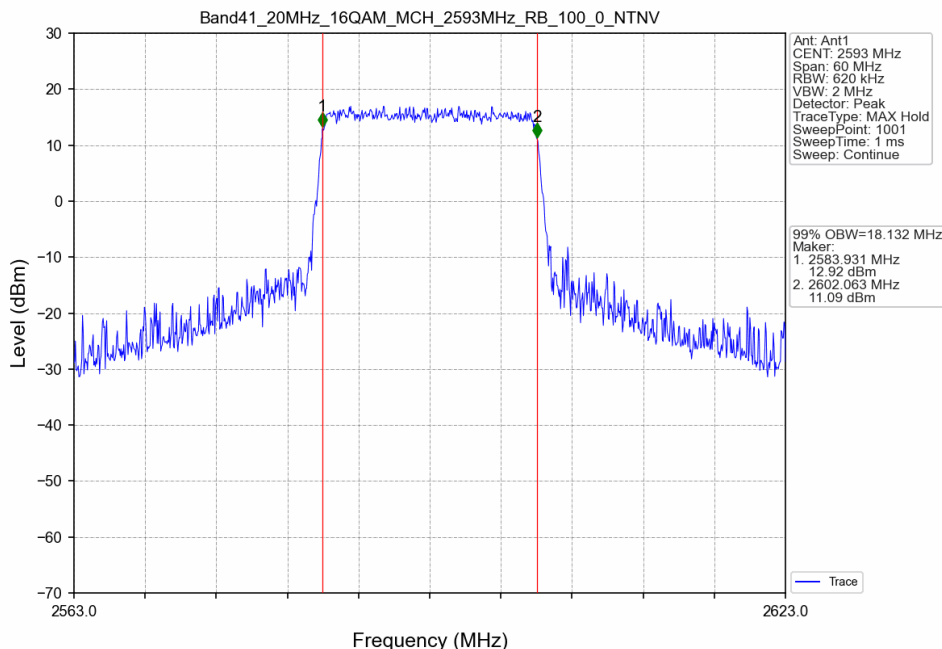


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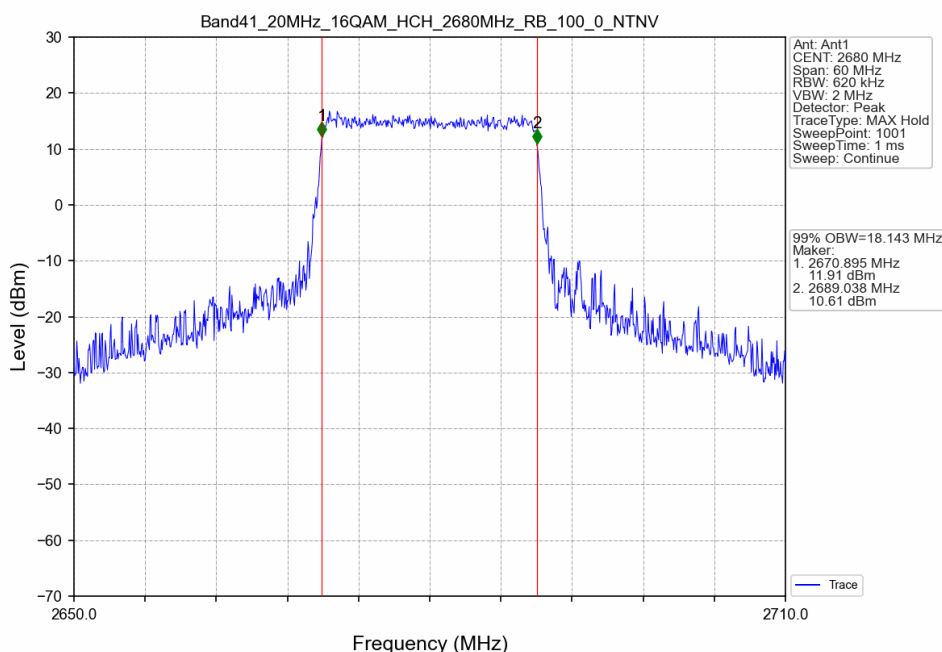
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Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



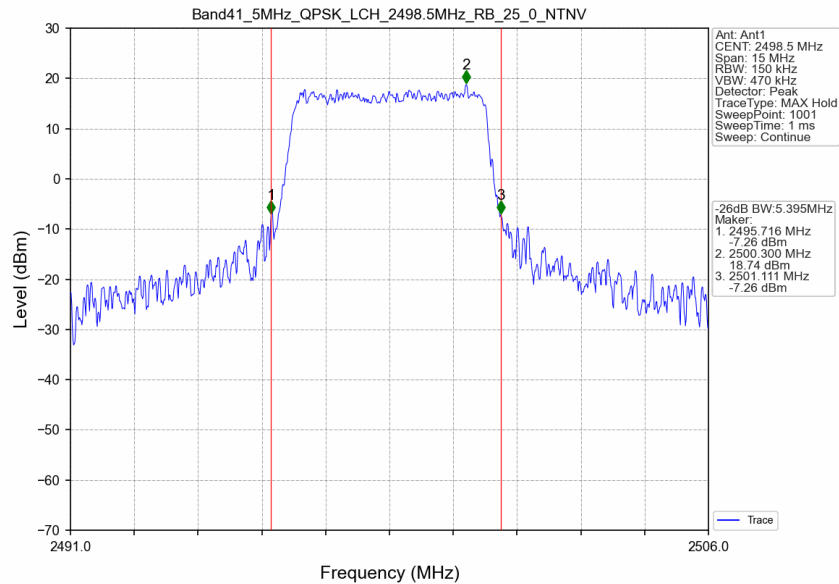
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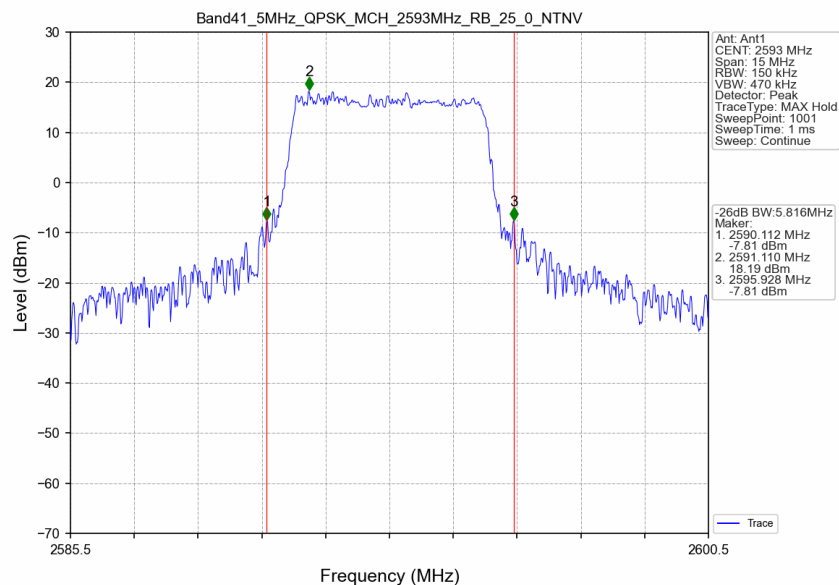
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### 3.2.2 Band41\_XDB

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



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



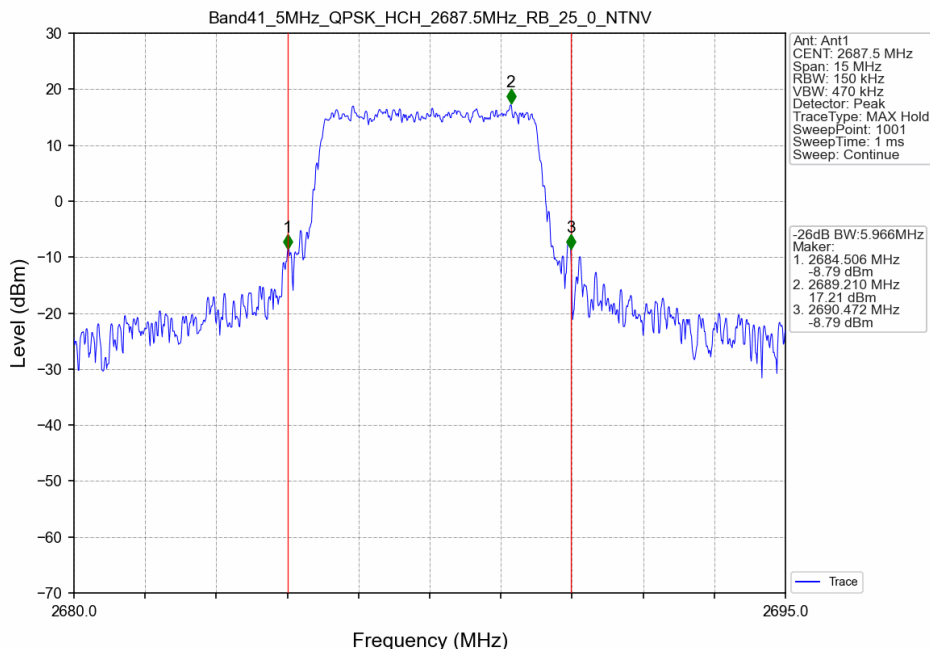
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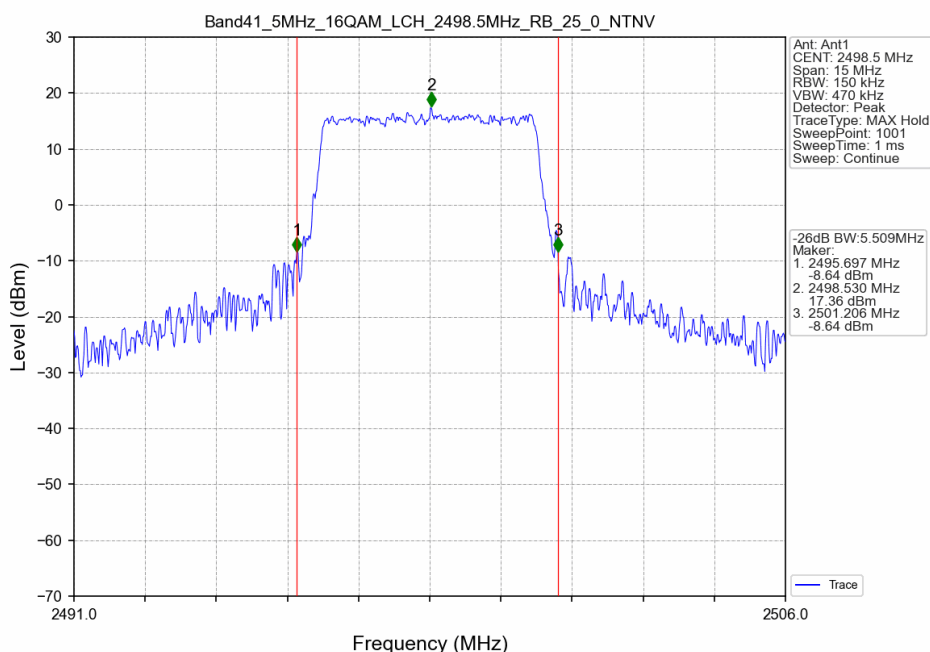
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Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV

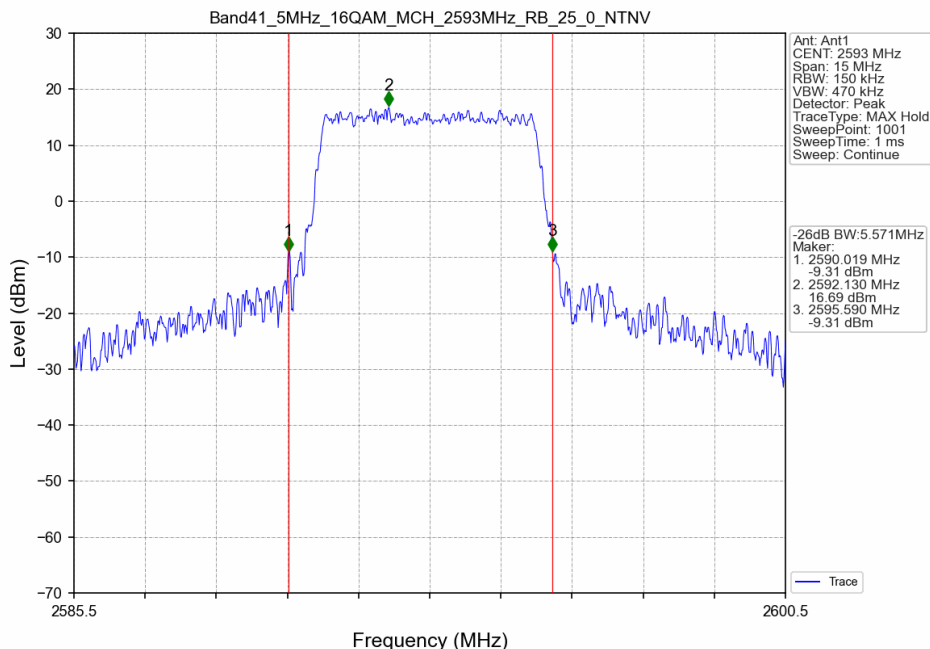


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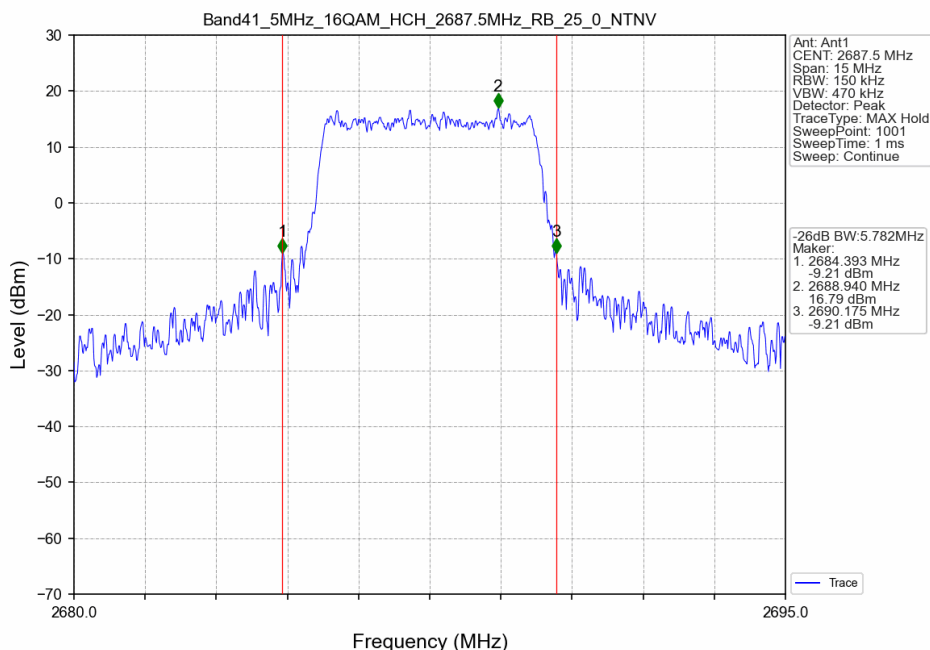
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Band41\_5MHz\_16QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



Band41\_5MHz\_16QAM\_HCH\_2687.5MHz\_RB\_25\_0\_NTNV

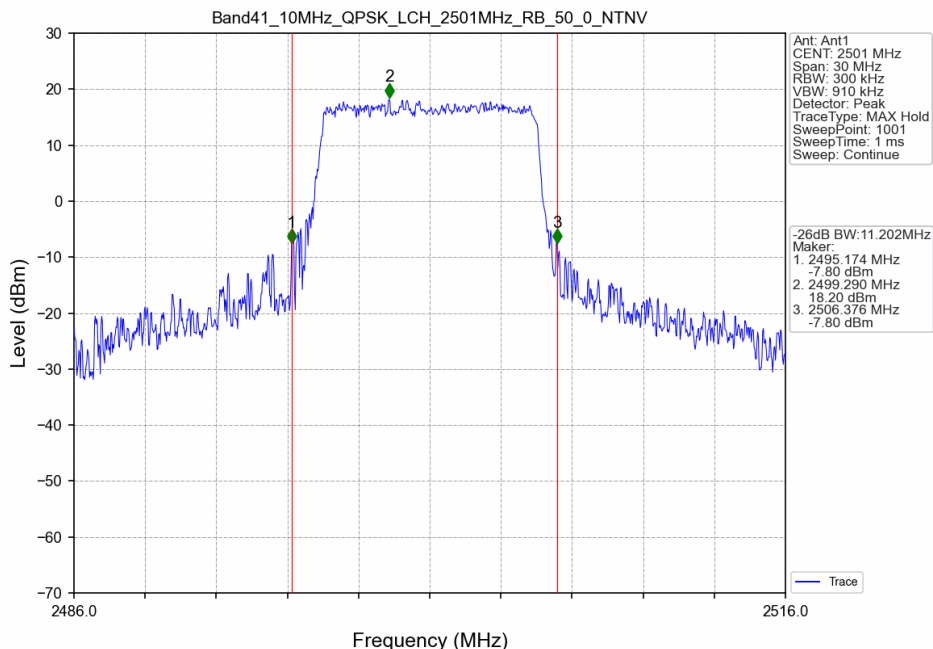


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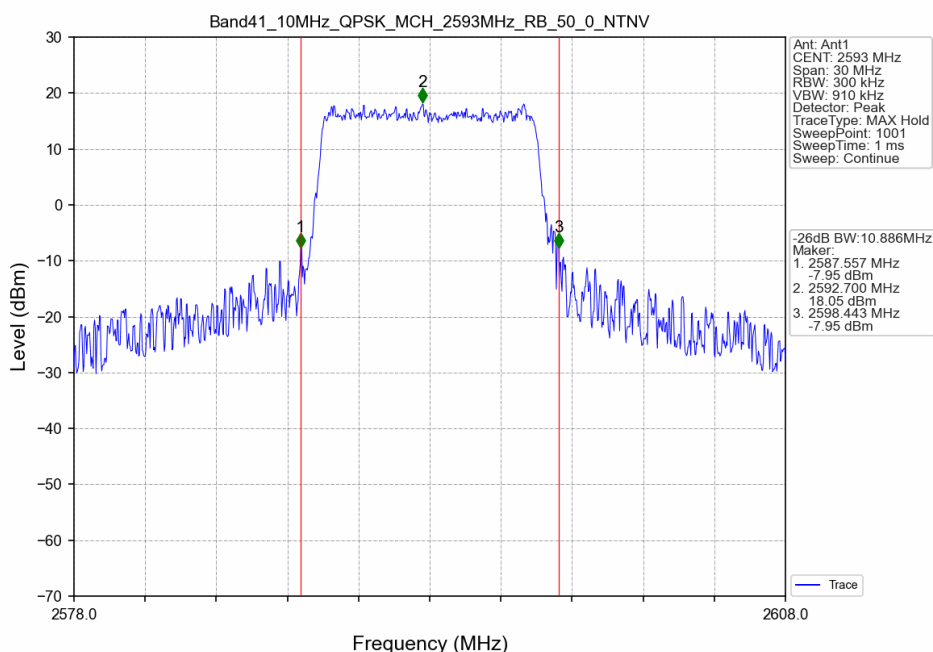
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Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



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

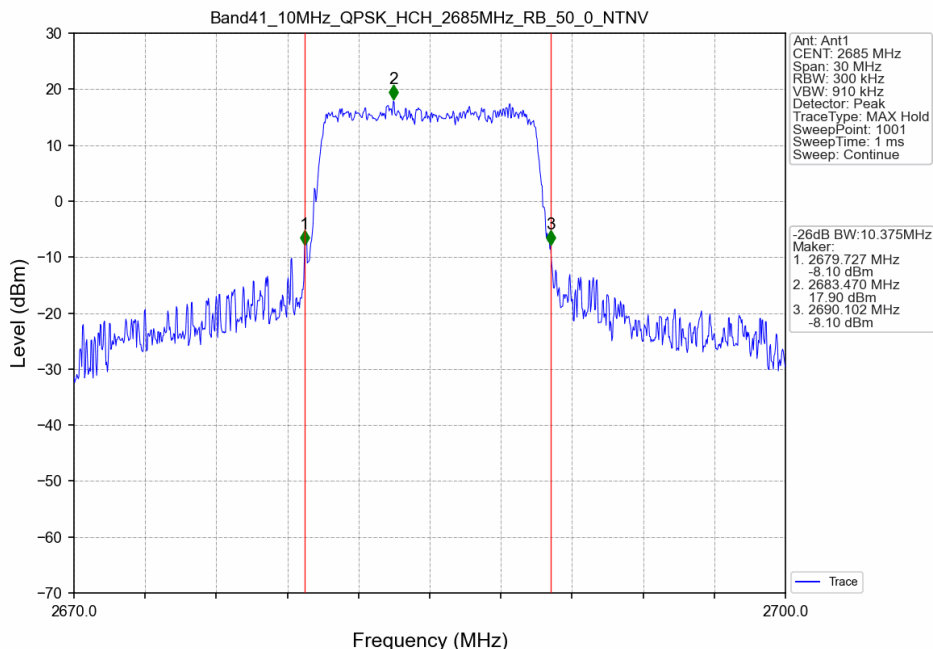


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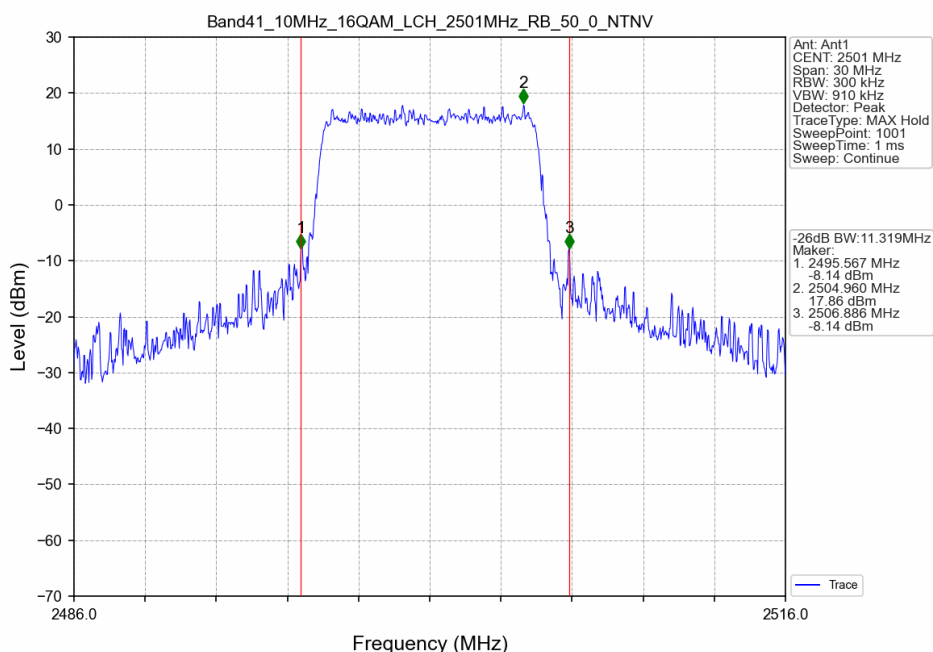
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Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_50\_0\_NTNV

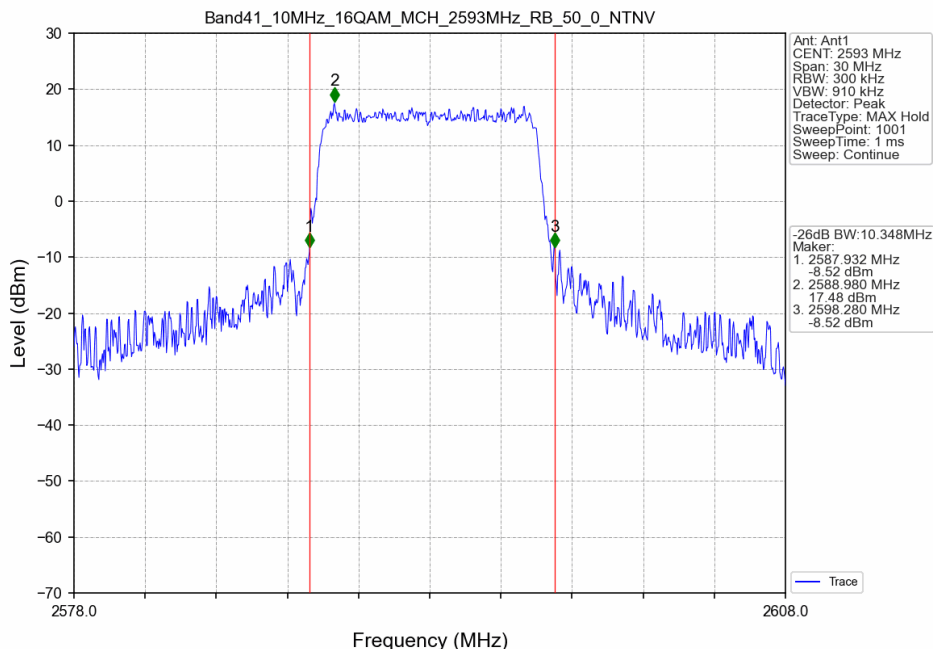


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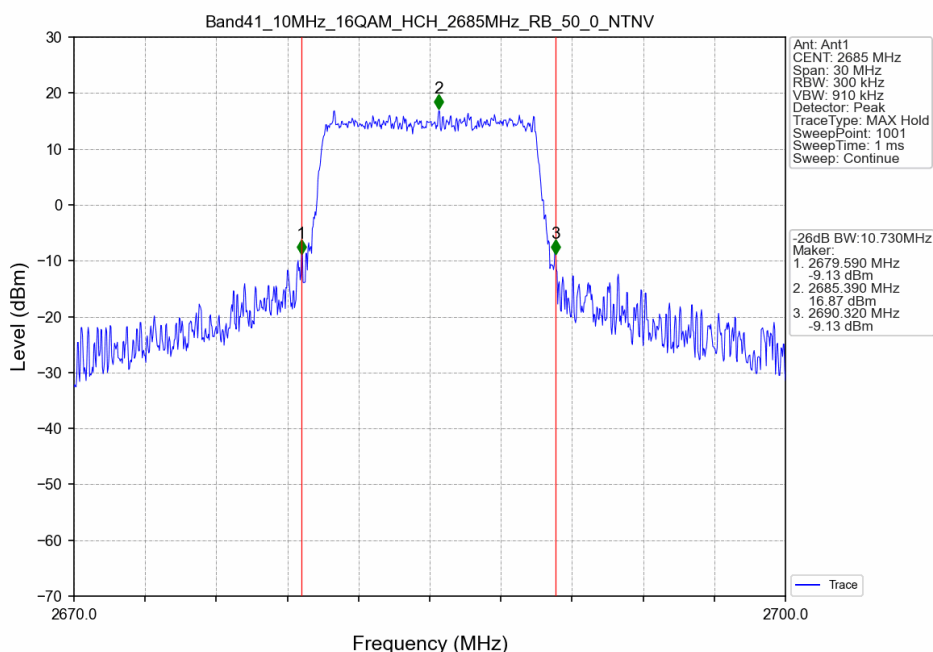
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Band41\_10MHz\_16QAM\_MCH\_2593MHz\_RB\_50\_0\_NTNV



Band41\_10MHz\_16QAM\_HCH\_2685MHz\_RB\_50\_0\_NTNV



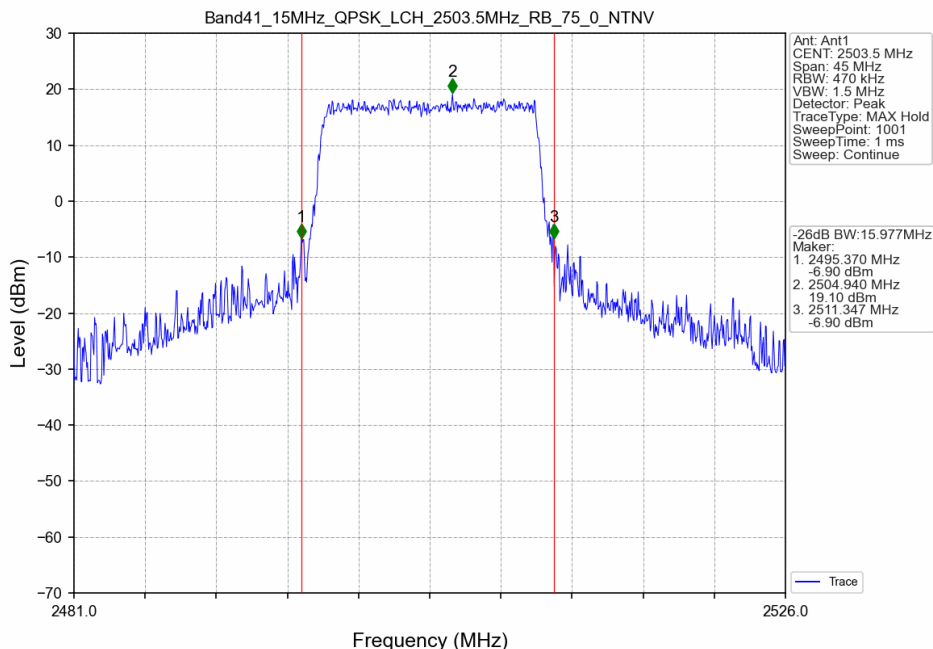
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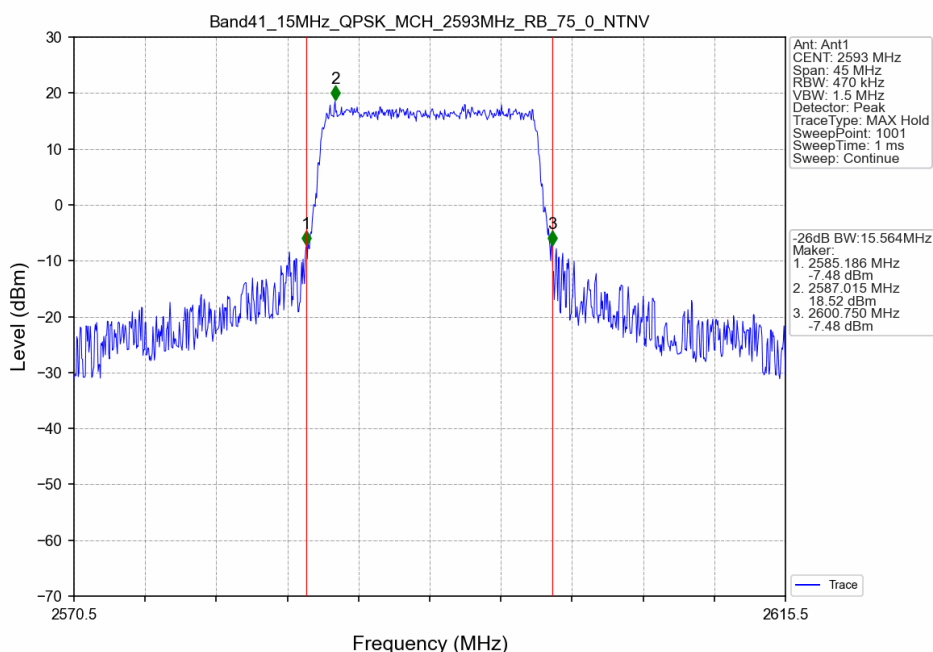
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Band41\_15MHz\_QPSK\_MCH\_2593MHz\_RB\_75\_0\_NTNV

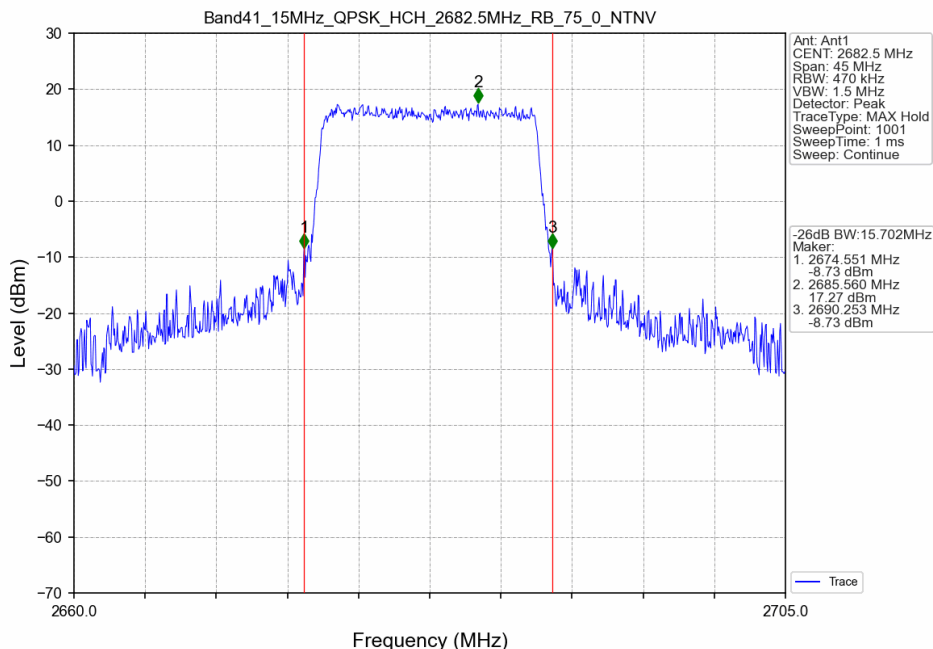


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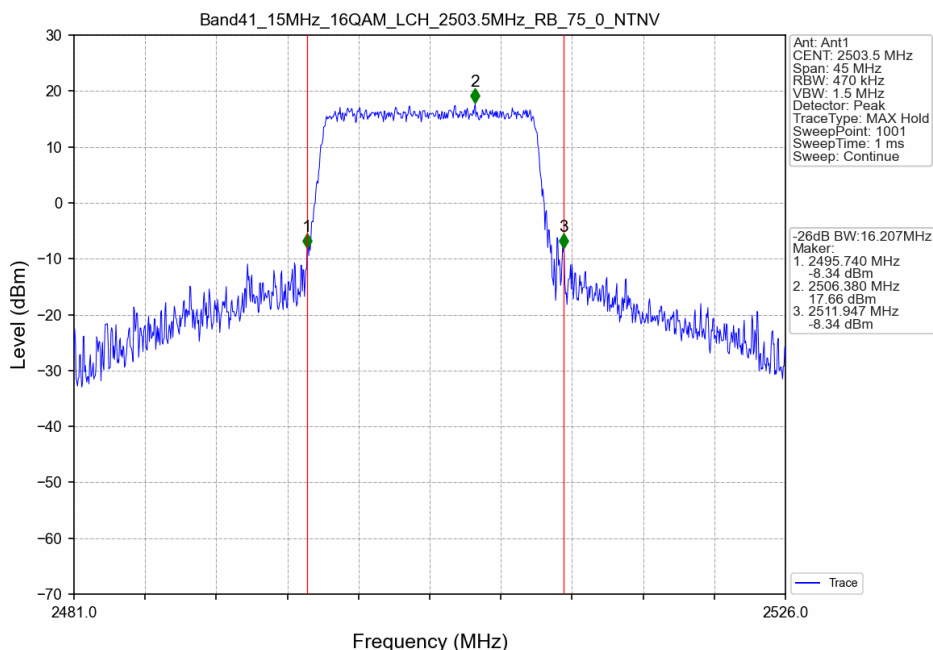
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Band41\_15MHz\_16QAM\_LCH\_2503.5MHz\_RB\_75\_0\_NTNV

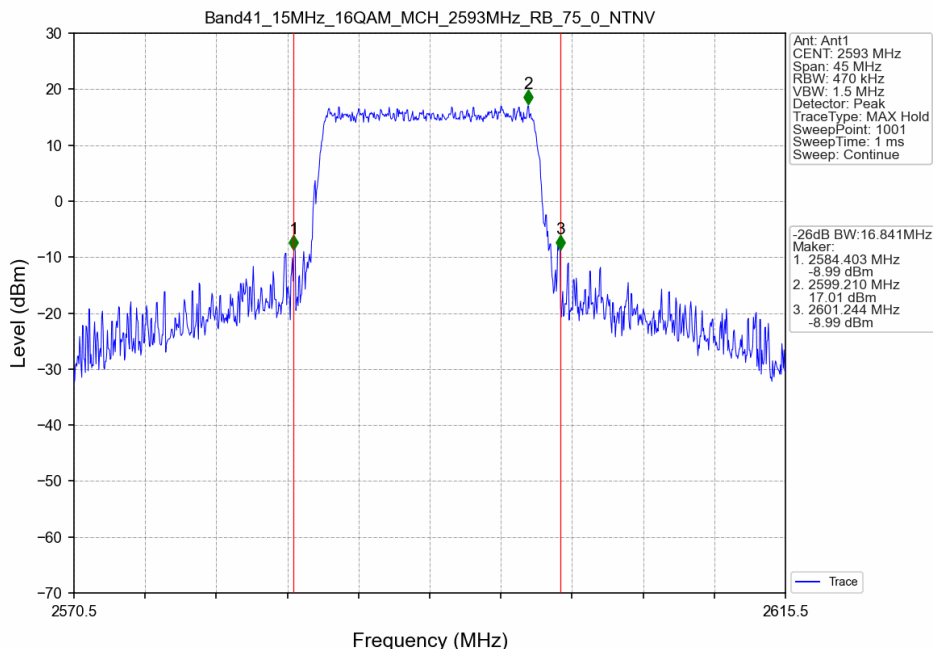


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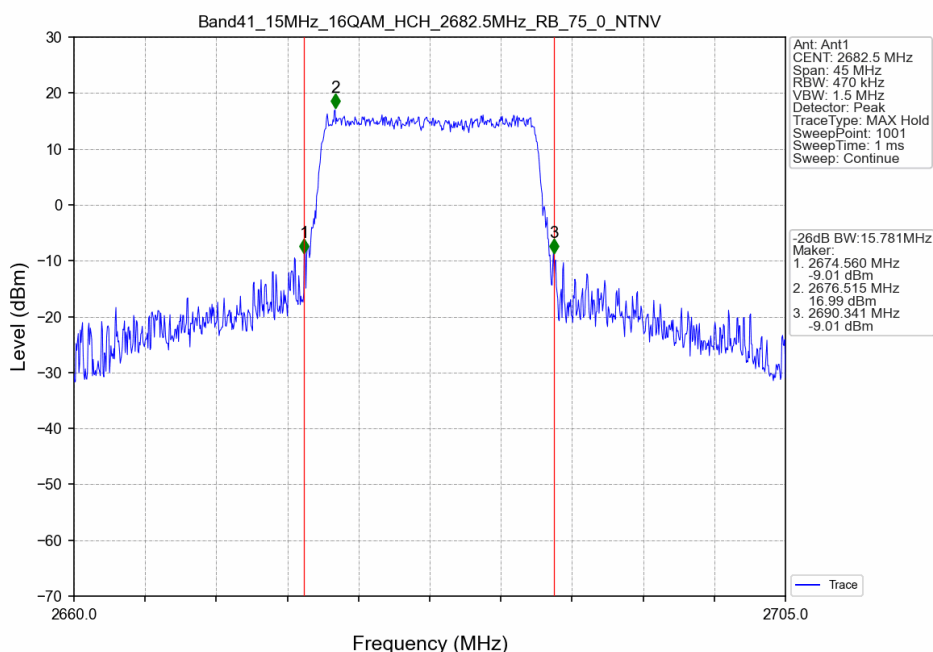
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Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV

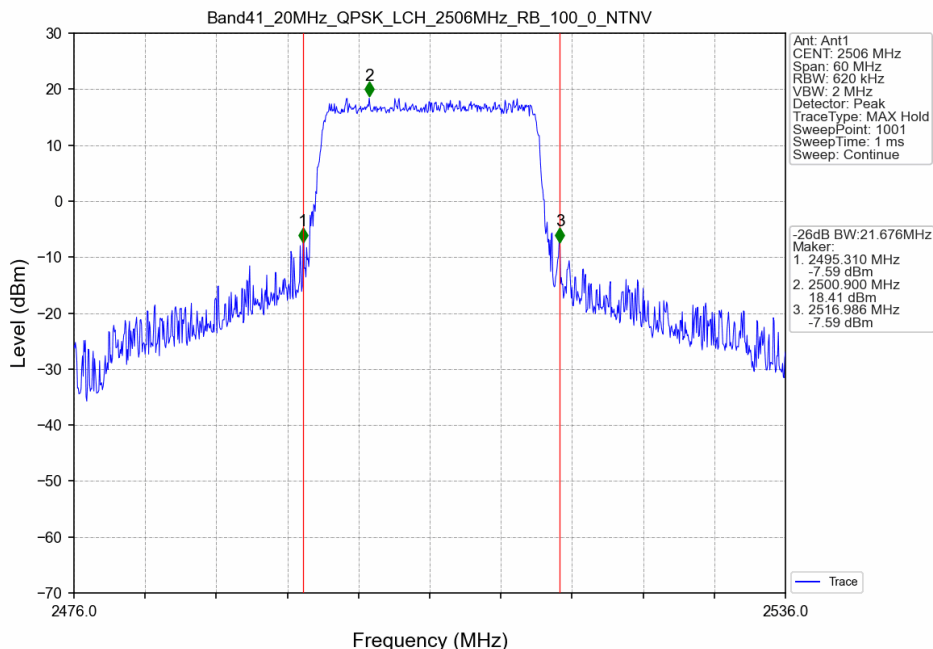


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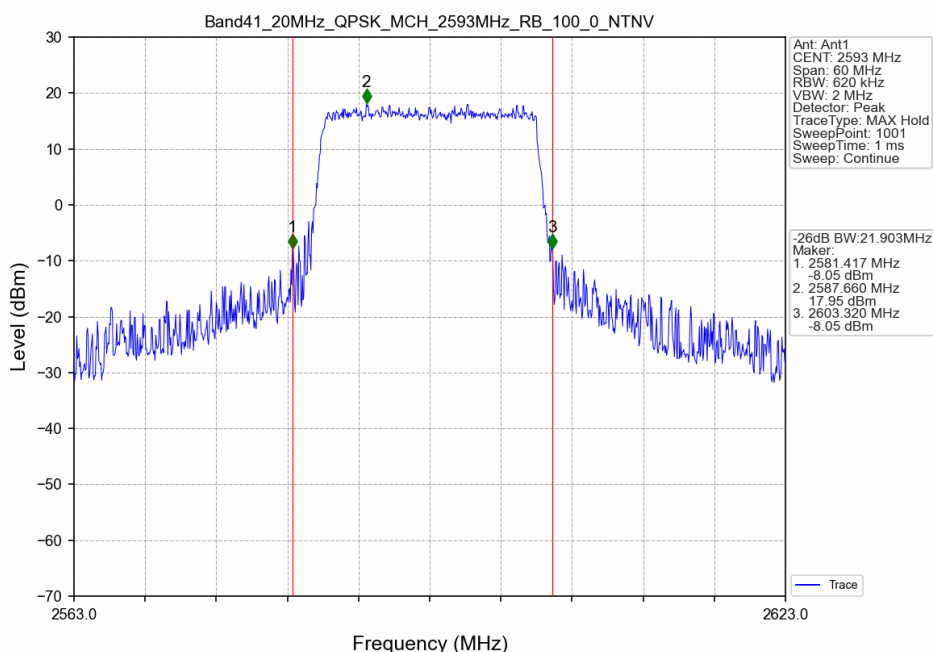
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Band41\_20MHz\_QPSK\_LCH\_2506MHz\_RB\_100\_0\_NTNV



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

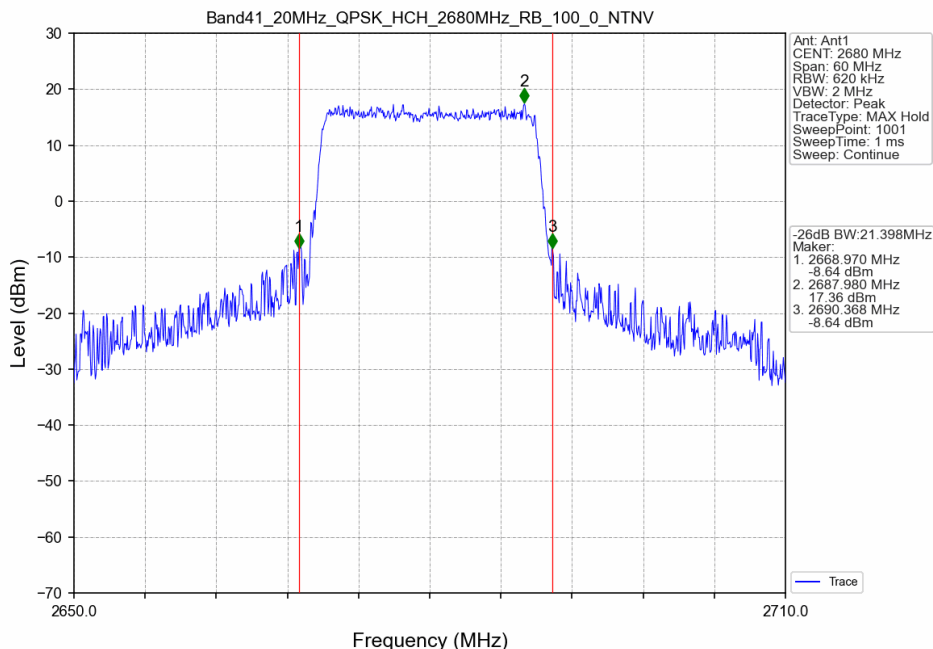


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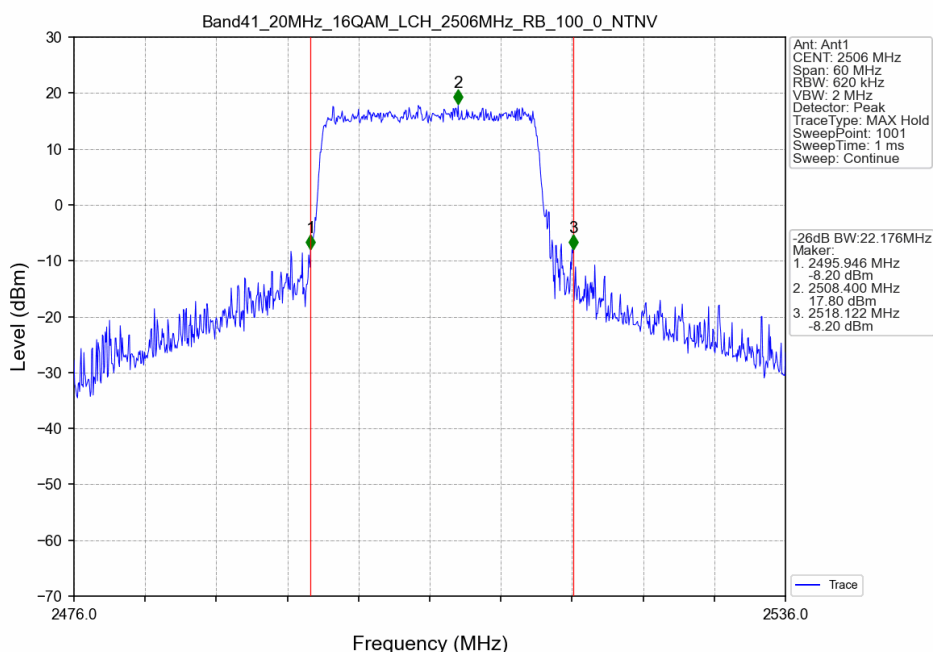
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Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV



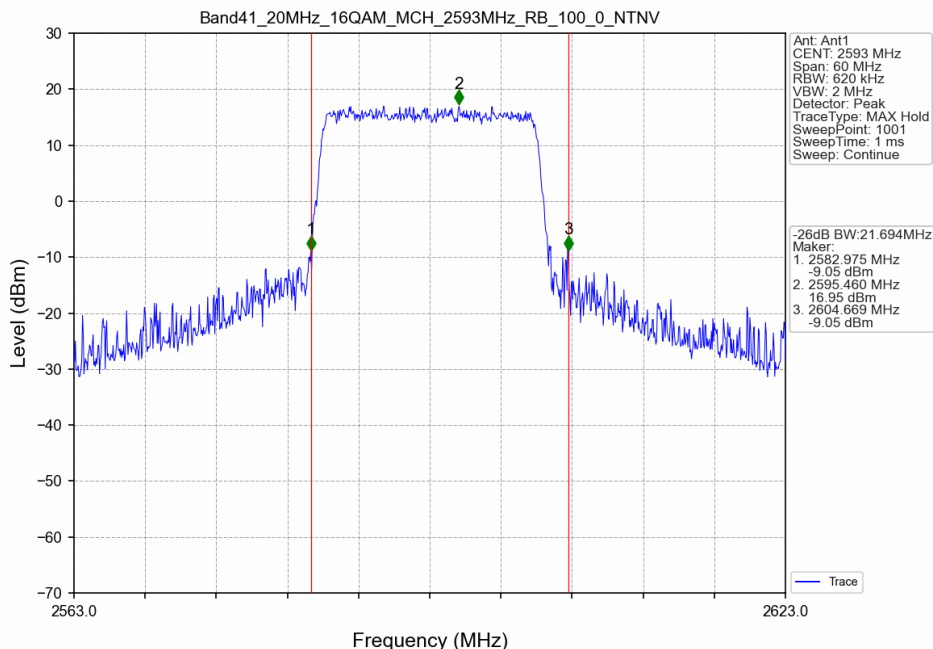
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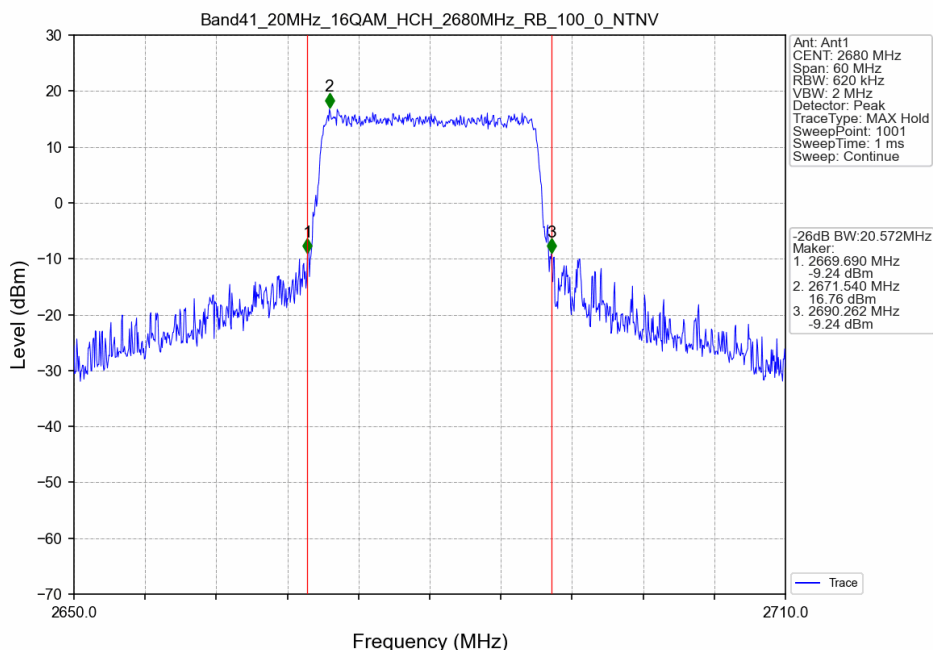
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Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



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## 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	2506	100	0	7.09	<=13	Pass
	2593	100	0	7.05	<=13	Pass
	2680	100	0	7.07	<=13	Pass
16QAM	2506	100	0	7.70	<=13	Pass
	2593	100	0	8.29	<=13	Pass
	2680	100	0	8.22	<=13	Pass



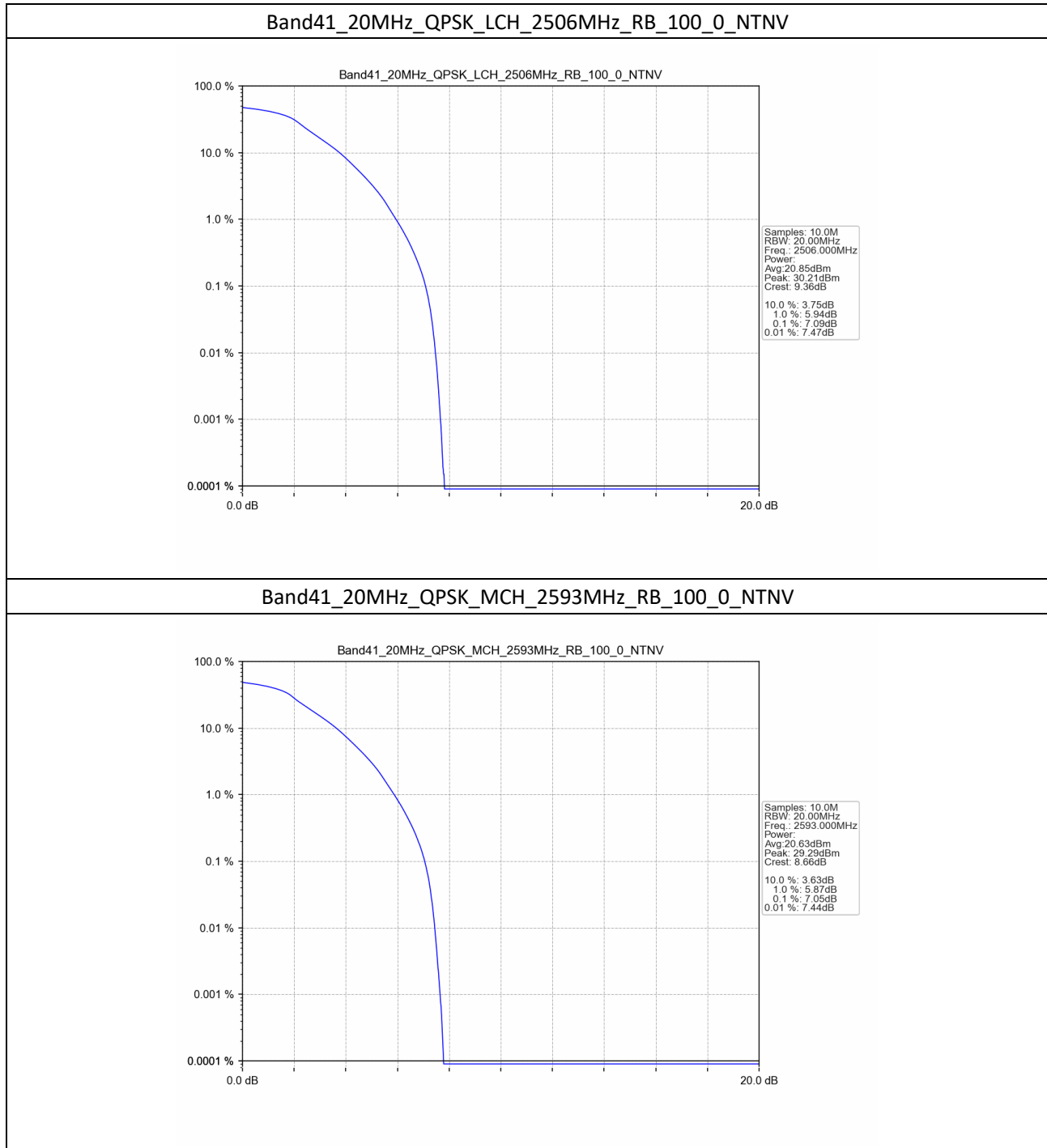
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### 4.2 Test Graph

#### 4.2.1 B41\_20MHz

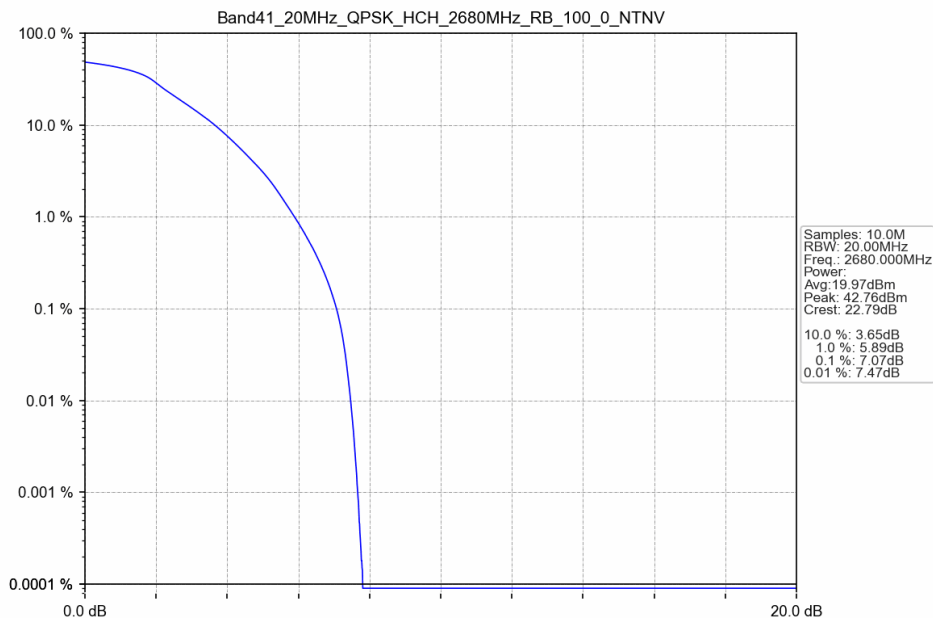


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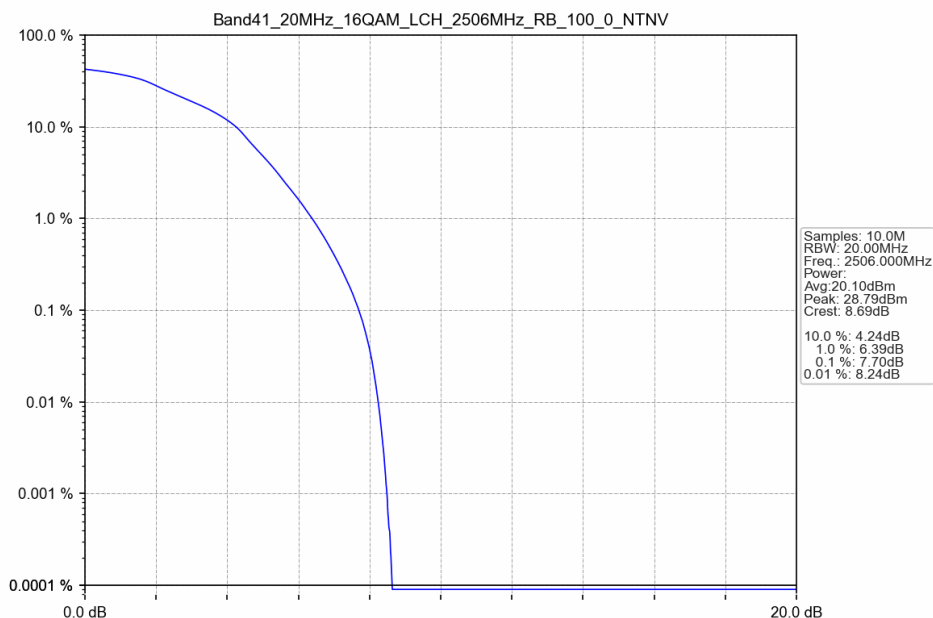
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Band41\_20MHz\_QPSK\_HCH\_2680MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_LCH\_2506MHz\_RB\_100\_0\_NTNV

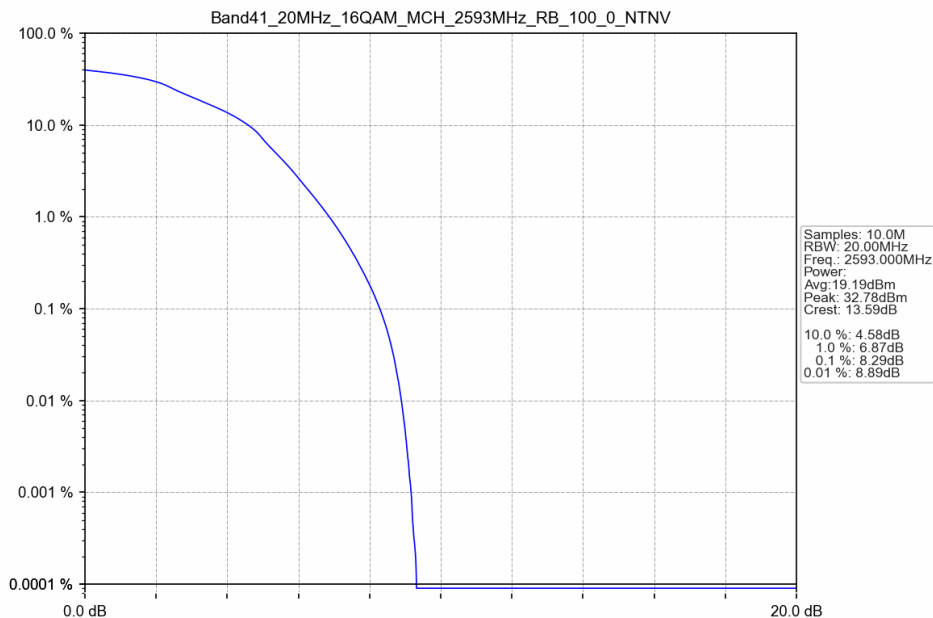


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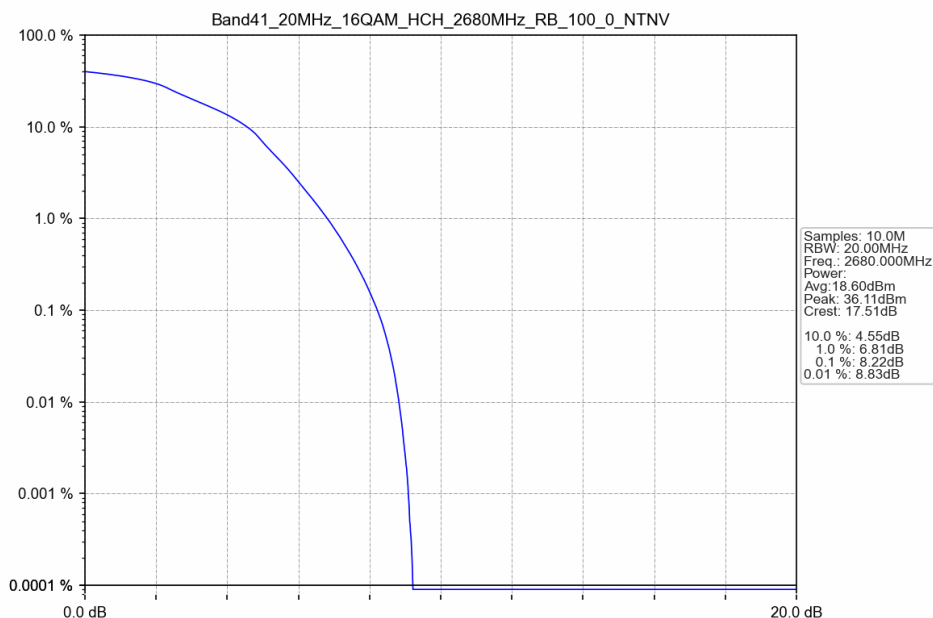
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Band41\_20MHz\_16QAM\_MCH\_2593MHz\_RB\_100\_0\_NTNV



Band41\_20MHz\_16QAM\_HCH\_2680MHz\_RB\_100\_0\_NTNV



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### 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



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		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	
		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



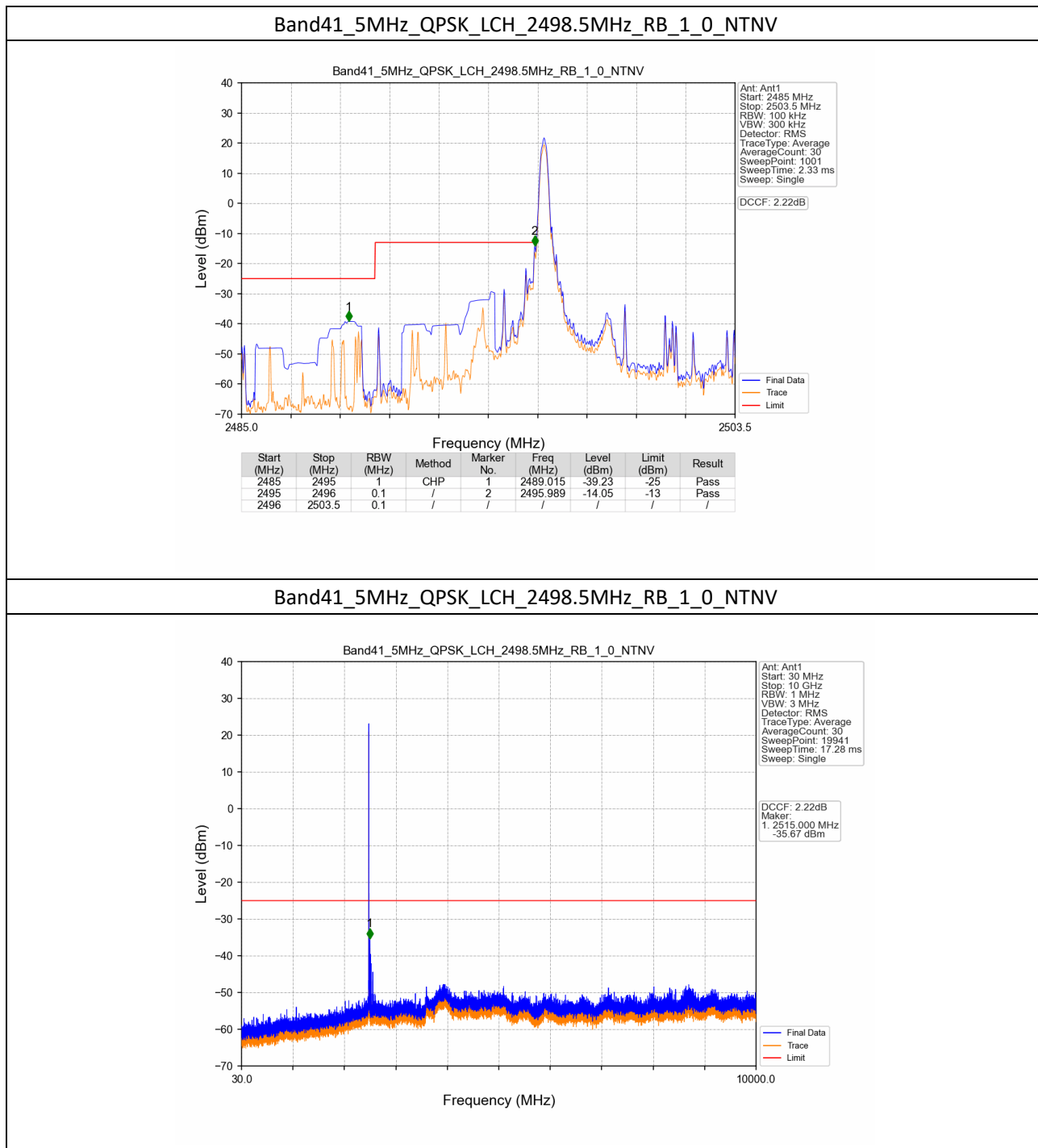
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### 5.2 Test Graph

#### 5.2.1 B41\_5MHz

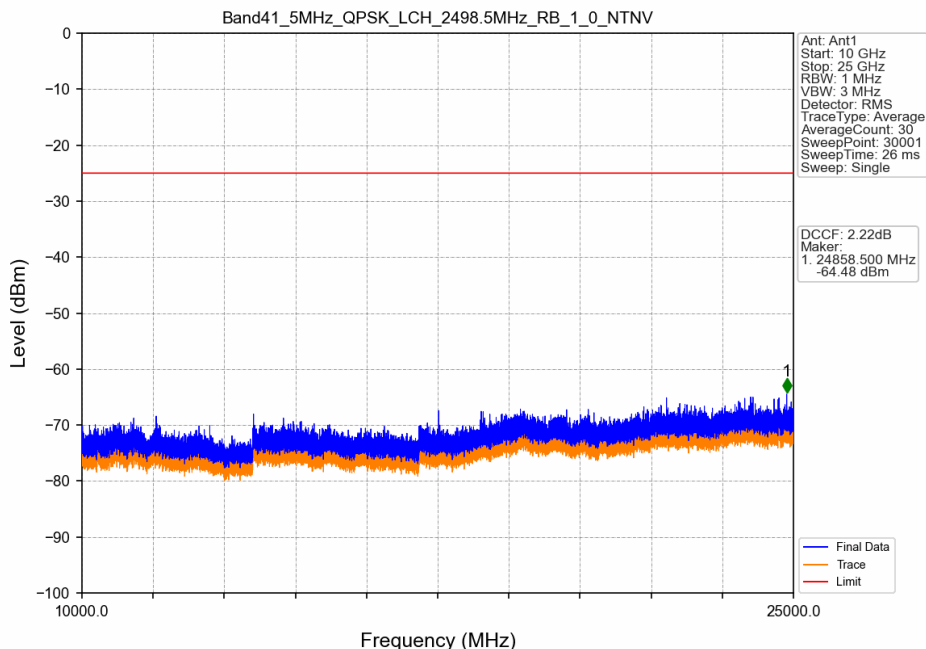


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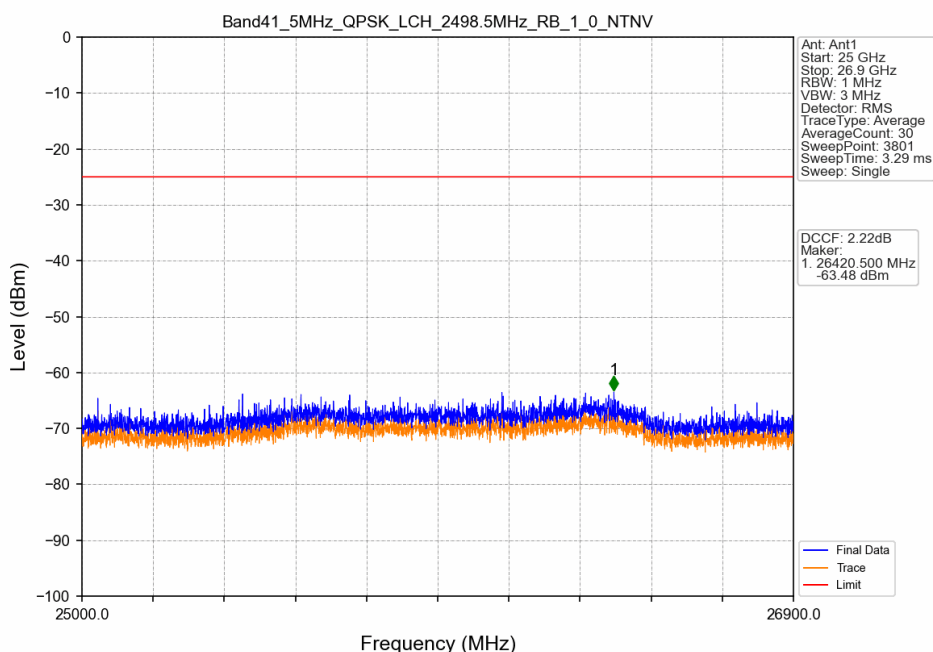
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Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV

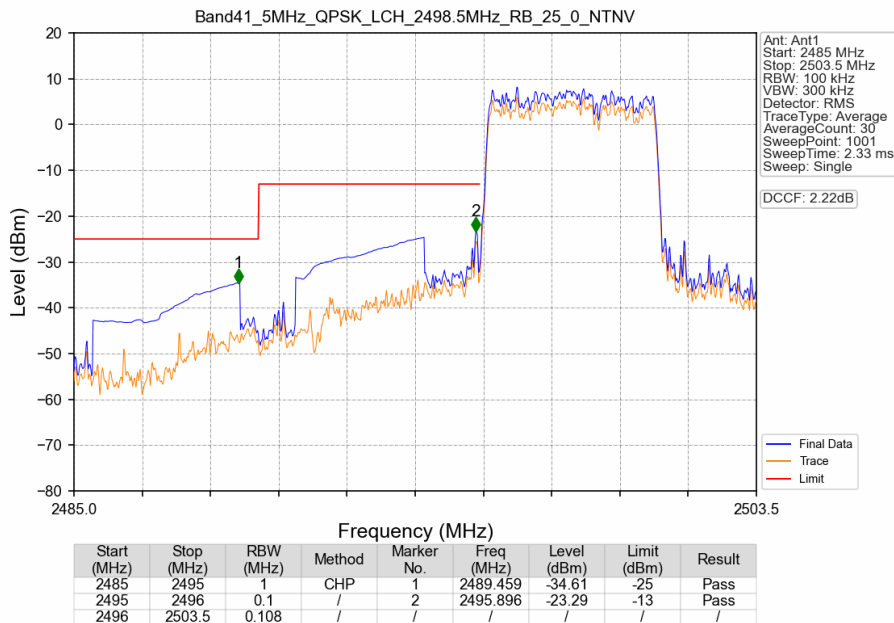


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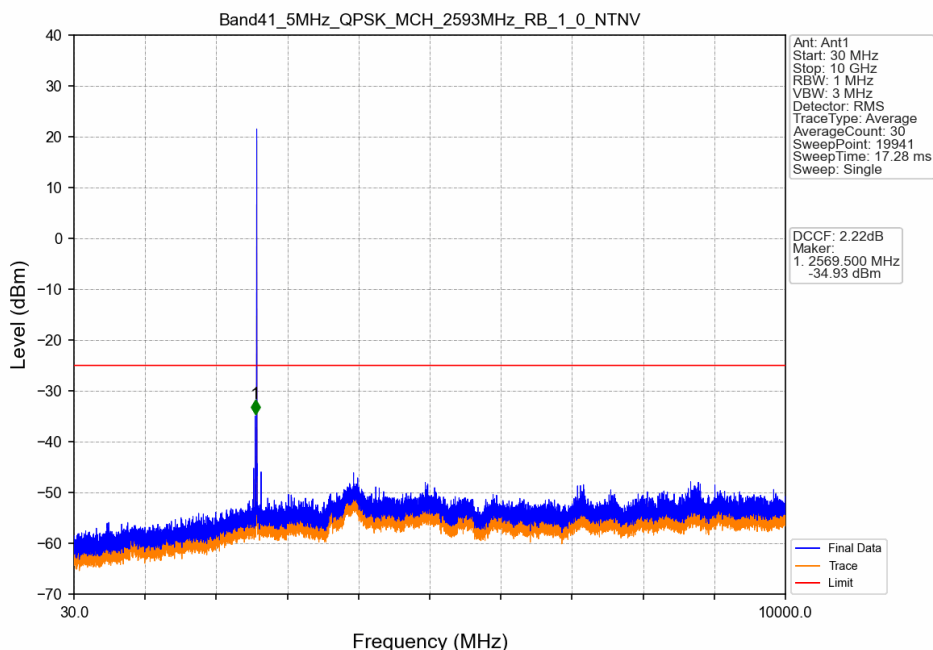
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### Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



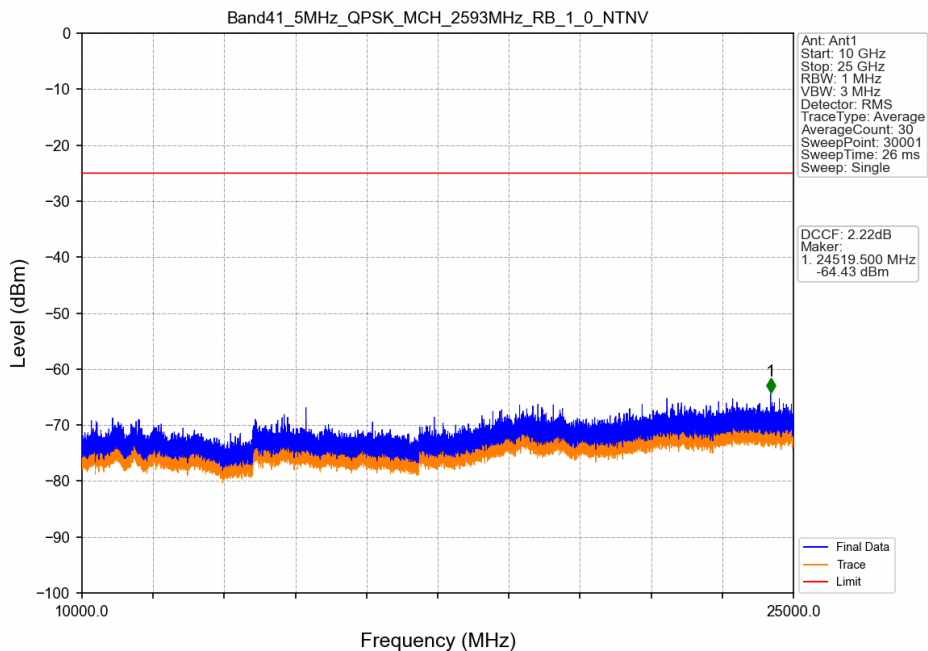
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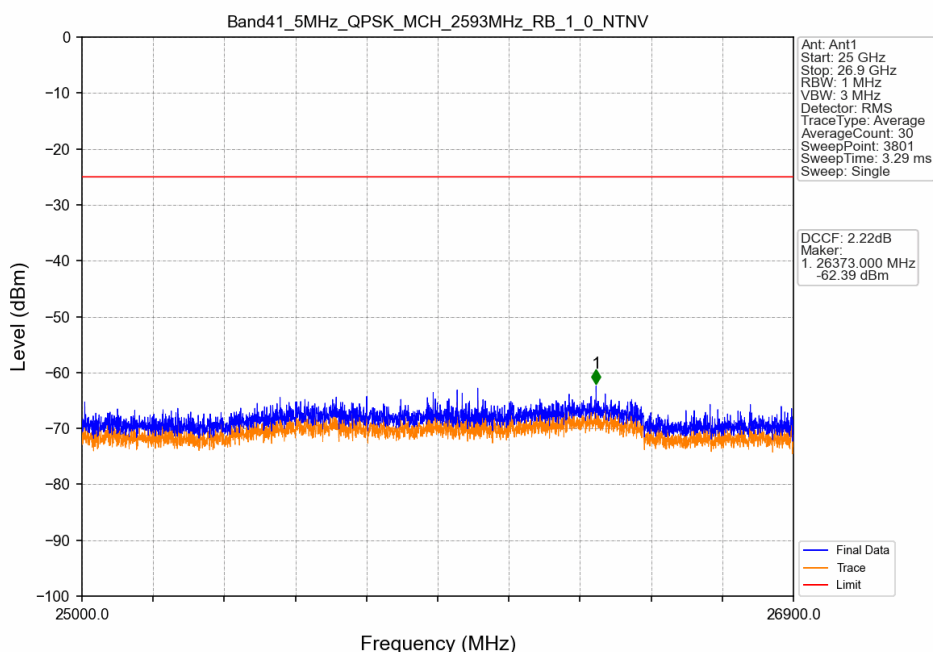
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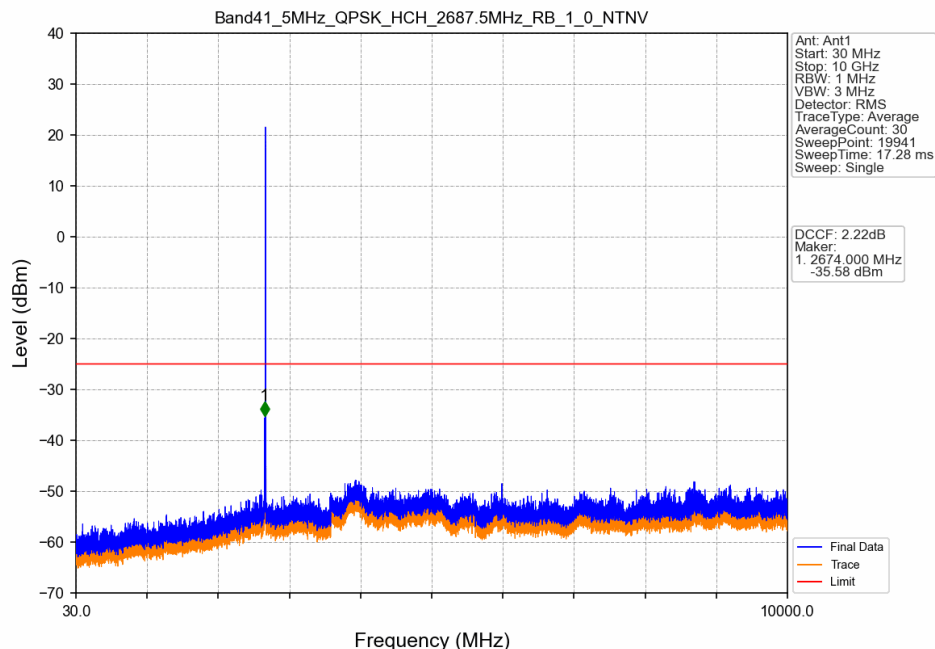


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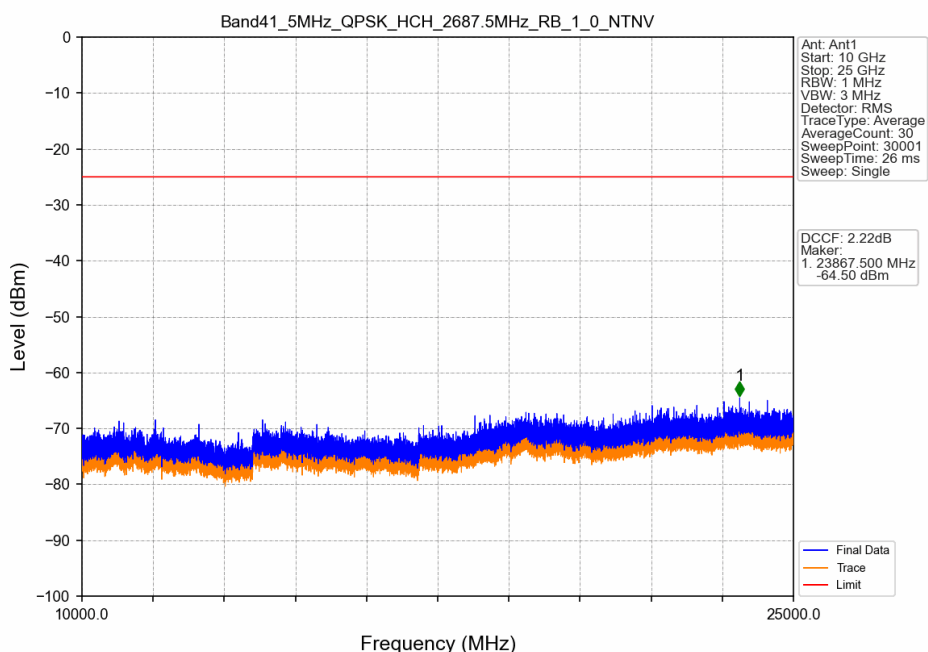
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Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



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

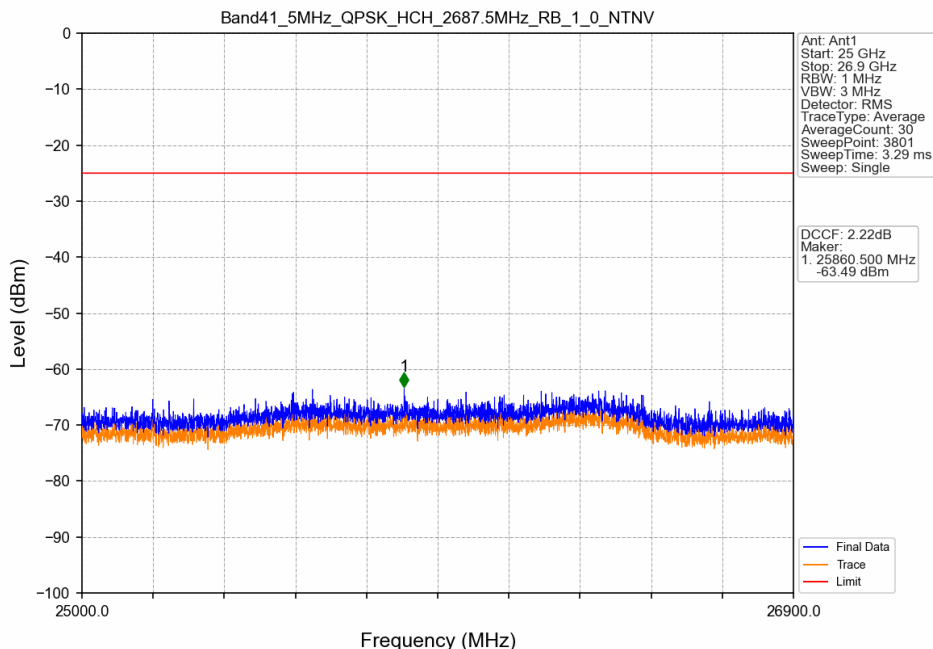


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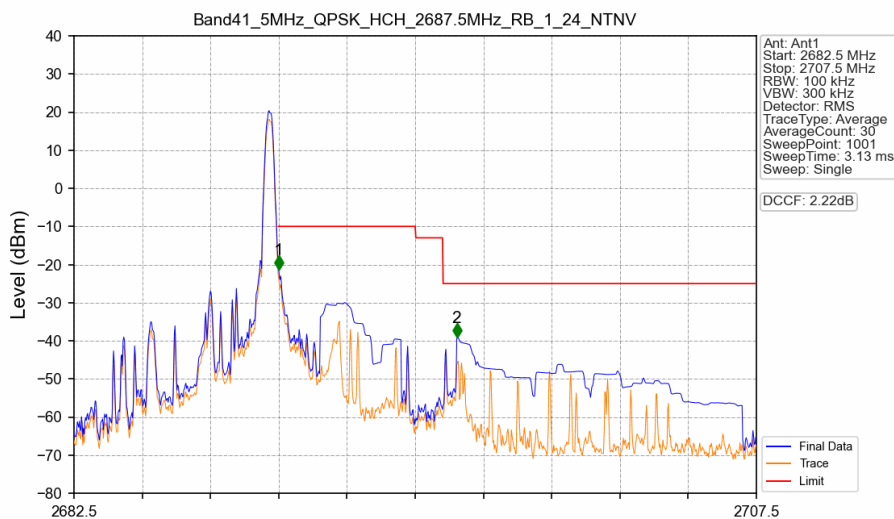
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Band41\_5MHz\_QPSK\_HCH\_2687.5MHz\_RB\_1\_0\_NTNV



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
2682.5	2690	0.1	/	1	2690.000	-21.33	-10	Pass
2690	2691	0.1	/	1	2690.000	-21.33	-10	Pass
2691	2707.5	1	CHP	2	2696.525	-39.22	-25	Pass



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