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# Appendix B.17

## LTE Band 41



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## 1. Effective (Isotropic) Radiated Power Output Data

Ant41

### 1.1 B41\_5MHz\_EIRP

#### 1.1.1 Test Result

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	23.65	0.30	23.95	<=33.01	Pass		
			13	23.75	0.30	24.05	<=33.01	Pass		
			24	23.65	0.30	23.95	<=33.01	Pass		
		12	0	22.71	0.30	23.01	<=33.01	Pass		
			6	22.74	0.30	23.04	<=33.01	Pass		
			13	22.70	0.30	23.00	<=33.01	Pass		
		25	0	22.72	0.30	23.02	<=33.01	Pass		
		2593	1	0	23.41	0.30	23.71	<=33.01	Pass	
				13	23.55	0.30	23.85	<=33.01	Pass	
	24			23.48	0.30	23.78	<=33.01	Pass		
	12		0	22.55	0.30	22.85	<=33.01	Pass		
			6	22.61	0.30	22.91	<=33.01	Pass		
			13	22.53	0.30	22.83	<=33.01	Pass		
	25	0	22.57	0.30	22.87	<=33.01	Pass			
	2687.5	1	0	23.41	0.30	23.71	<=33.01	Pass		
			13	23.51	0.30	23.81	<=33.01	Pass		
			24	23.43	0.30	23.73	<=33.01	Pass		
		12	0	22.52	0.30	22.82	<=33.01	Pass		
			6	22.53	0.30	22.83	<=33.01	Pass		
			13	22.50	0.30	22.80	<=33.01	Pass		
		25	0	22.49	0.30	22.79	<=33.01	Pass		
		16QAM	2498.5	1	0	22.70	0.30	23.00	<=33.01	Pass
					13	22.71	0.30	23.01	<=33.01	Pass
	24				22.57	0.30	22.87	<=33.01	Pass	
12	0			21.70	0.30	22.00	<=33.01	Pass		
	6			21.75	0.30	22.05	<=33.01	Pass		
	13			21.63	0.30	21.93	<=33.01	Pass		
25	0			21.70	0.30	22.00	<=33.01	Pass		
2593	1			0	22.47	0.30	22.77	<=33.01	Pass	
				13	22.56	0.30	22.86	<=33.01	Pass	
			24	22.48	0.30	22.78	<=33.01	Pass		
	12		0	21.72	0.30	22.02	<=33.01	Pass		
			6	21.65	0.30	21.95	<=33.01	Pass		



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Modulation	Frequency (MHz)	RB Allocation	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
			Size	Offset			Result	Limit	
64QAM	2687.5	1	13	0	21.60	0.30	21.90	<=33.01	Pass
			25	0	21.54	0.30	21.84	<=33.01	Pass
			0	22.43	0.30	22.73	<=33.01	Pass	
		12	13	0	22.55	0.30	22.85	<=33.01	Pass
			24	0	22.44	0.30	22.74	<=33.01	Pass
			0	21.60	0.30	21.90	<=33.01	Pass	
	25	6	21.64	0.30	21.94	<=33.01	Pass		
		13	21.51	0.30	21.81	<=33.01	Pass		
		0	21.48	0.30	21.78	<=33.01	Pass		
	2498.5	1	0	21.67	0.30	21.97	<=33.01	Pass	
			13	21.84	0.30	22.14	<=33.01	Pass	
			24	21.56	0.30	21.86	<=33.01	Pass	
		12	0	20.75	0.30	21.05	<=33.01	Pass	
			6	20.75	0.30	21.05	<=33.01	Pass	
			13	20.72	0.30	21.02	<=33.01	Pass	
		25	0	20.71	0.30	21.01	<=33.01	Pass	
		2593	1	0	21.42	0.30	21.72	<=33.01	Pass
				13	21.52	0.30	21.82	<=33.01	Pass
	24			21.46	0.30	21.76	<=33.01	Pass	
	12		0	20.56	0.30	20.86	<=33.01	Pass	
			6	20.56	0.30	20.86	<=33.01	Pass	
			13	20.53	0.30	20.83	<=33.01	Pass	
	25	0	20.51	0.30	20.81	<=33.01	Pass		
	2687.5	1	0	21.33	0.30	21.63	<=33.01	Pass	
13			21.54	0.30	21.84	<=33.01	Pass		
24			21.26	0.30	21.56	<=33.01	Pass		
12		0	20.49	0.30	20.79	<=33.01	Pass		
		6	20.52	0.30	20.82	<=33.01	Pass		
		13	20.52	0.30	20.82	<=33.01	Pass		
25	0	20.53	0.30	20.83	<=33.01	Pass			

## 1.2 B41\_10MHz\_EIRP

### 1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2501	1	0	23.63	0.30	23.93	<=33.01	Pass
			25	23.73	0.30	24.03	<=33.01	Pass
			49	23.71	0.30	24.01	<=33.01	Pass
		25	0	22.75	0.30	23.05	<=33.01	Pass
			13	22.77	0.30	23.07	<=33.01	Pass
			25	22.74	0.30	23.04	<=33.01	Pass
	50	0	22.74	0.30	23.04	<=33.01	Pass	
	2593	1	0	23.46	0.30	23.76	<=33.01	Pass



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		25	25	23.49	0.30	23.79	<=33.01	Pass		
			49	23.44	0.30	23.74	<=33.01	Pass		
			0	22.62	0.30	22.92	<=33.01	Pass		
		50	1	13	22.62	0.30	22.92	<=33.01	Pass	
				25	22.56	0.30	22.86	<=33.01	Pass	
				0	22.59	0.30	22.89	<=33.01	Pass	
		2685	1	0	23.36	0.30	23.66	<=33.01	Pass	
				25	23.47	0.30	23.77	<=33.01	Pass	
				49	23.42	0.30	23.72	<=33.01	Pass	
			25	0	22.43	0.30	22.73	<=33.01	Pass	
				13	22.52	0.30	22.82	<=33.01	Pass	
				25	22.50	0.30	22.80	<=33.01	Pass	
			50	0	22.53	0.30	22.83	<=33.01	Pass	
				1	0	22.76	0.30	23.06	<=33.01	Pass
					25	22.84	0.30	23.14	<=33.01	Pass
49	22.76	0.30	23.06		<=33.01	Pass				
16QAM	2501	25	0	21.74	0.30	22.04	<=33.01	Pass		
			13	21.76	0.30	22.06	<=33.01	Pass		
			25	21.73	0.30	22.03	<=33.01	Pass		
		50	0	21.75	0.30	22.05	<=33.01	Pass		
			1	0	22.35	0.30	22.65	<=33.01	Pass	
				25	22.52	0.30	22.82	<=33.01	Pass	
	49	22.43		0.30	22.73	<=33.01	Pass			
	2593	25	0	21.57	0.30	21.87	<=33.01	Pass		
			13	21.60	0.30	21.90	<=33.01	Pass		
			25	21.56	0.30	21.86	<=33.01	Pass		
		50	0	21.59	0.30	21.89	<=33.01	Pass		
			1	0	22.32	0.30	22.62	<=33.01	Pass	
				25	22.60	0.30	22.90	<=33.01	Pass	
	2685	25		49	22.61	0.30	22.91	<=33.01	Pass	
			0	21.41	0.30	21.71	<=33.01	Pass		
13			21.58	0.30	21.88	<=33.01	Pass			
50		25	21.54	0.30	21.84	<=33.01	Pass			
		0	21.54	0.30	21.84	<=33.01	Pass			
		1	0	21.70	0.30	22.00	<=33.01	Pass		
25	21.70		0.30	22.00	<=33.01	Pass				
49	21.71		0.30	22.01	<=33.01	Pass				
64QAM	2501	25	0	20.77	0.30	21.07	<=33.01	Pass		
			13	20.79	0.30	21.09	<=33.01	Pass		
			25	20.73	0.30	21.03	<=33.01	Pass		
		50	0	20.75	0.30	21.05	<=33.01	Pass		
			1	0	21.30	0.30	21.60	<=33.01	Pass	
				25	21.54	0.30	21.84	<=33.01	Pass	
	49	21.48		0.30	21.78	<=33.01	Pass			
	2593	25	0	20.56	0.30	20.86	<=33.01	Pass		
			13	20.61	0.30	20.91	<=33.01	Pass		
			25	20.55	0.30	20.85	<=33.01	Pass		
		50	0	20.58	0.30	20.88	<=33.01	Pass		



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	2685	1	0	21.39	0.30	21.69	<=33.01	Pass
			25	21.49	0.30	21.79	<=33.01	Pass
			49	21.35	0.30	21.65	<=33.01	Pass
		25	0	20.45	0.30	20.75	<=33.01	Pass
			13	20.52	0.30	20.82	<=33.01	Pass
			25	20.53	0.30	20.83	<=33.01	Pass
		50	0	20.50	0.30	20.80	<=33.01	Pass

## 1.3 B41\_15MHz\_EIRP

### 1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2503.5	1	0	23.57	0.30	23.87	<=33.01	Pass		
			38	23.59	0.30	23.89	<=33.01	Pass		
			74	23.54	0.30	23.84	<=33.01	Pass		
		36	0	22.55	0.30	22.85	<=33.01	Pass		
			18	22.65	0.30	22.95	<=33.01	Pass		
			39	22.63	0.30	22.93	<=33.01	Pass		
		75	0	22.67	0.30	22.97	<=33.01	Pass		
		2593	1	0	23.31	0.30	23.61	<=33.01	Pass	
				38	23.28	0.30	23.58	<=33.01	Pass	
	74			23.27	0.30	23.57	<=33.01	Pass		
	36		0	22.46	0.30	22.76	<=33.01	Pass		
			18	22.39	0.30	22.69	<=33.01	Pass		
			39	22.41	0.30	22.71	<=33.01	Pass		
	75		0	22.45	0.30	22.75	<=33.01	Pass		
	2682.5		1	0	23.25	0.30	23.55	<=33.01	Pass	
				38	23.37	0.30	23.67	<=33.01	Pass	
		74		23.39	0.30	23.69	<=33.01	Pass		
		36	0	22.28	0.30	22.58	<=33.01	Pass		
			18	22.29	0.30	22.59	<=33.01	Pass		
			39	22.42	0.30	22.72	<=33.01	Pass		
		75	0	22.30	0.30	22.60	<=33.01	Pass		
		16QAM	2503.5	1	0	22.66	0.30	22.96	<=33.01	Pass
					38	22.64	0.30	22.94	<=33.01	Pass
	74				22.64	0.30	22.94	<=33.01	Pass	
36	0			21.57	0.30	21.87	<=33.01	Pass		
	18			21.66	0.30	21.96	<=33.01	Pass		
	39			21.61	0.30	21.91	<=33.01	Pass		
75	0			21.64	0.30	21.94	<=33.01	Pass		
2593	1			0	22.27	0.30	22.57	<=33.01	Pass	
				38	22.26	0.30	22.56	<=33.01	Pass	
			74	22.32	0.30	22.62	<=33.01	Pass		



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Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)		Gain (dBi)		EIRP (dBm)		Verdict
			Size	Offset	Result	Limit			
64QAM	2682.5	36	0	21.45	0.30	21.75	<=33.01	Pass	
			18	21.43	0.30	21.73	<=33.01	Pass	
			39	21.43	0.30	21.73	<=33.01	Pass	
		75	0	21.45	0.30	21.75	<=33.01	Pass	
			1	0	22.19	0.30	22.49	<=33.01	Pass
			38	22.45	0.30	22.75	<=33.01	Pass	
		36	74	22.36	0.30	22.66	<=33.01	Pass	
			0	21.30	0.30	21.60	<=33.01	Pass	
			18	21.32	0.30	21.62	<=33.01	Pass	
		75	39	21.43	0.30	21.73	<=33.01	Pass	
			0	21.33	0.30	21.63	<=33.01	Pass	
			1	0	21.70	0.30	22.00	<=33.01	Pass
	2503.5	1	38	21.70	0.30	22.00	<=33.01	Pass	
			74	21.52	0.30	21.82	<=33.01	Pass	
			0	20.56	0.30	20.86	<=33.01	Pass	
		36	18	20.67	0.30	20.97	<=33.01	Pass	
			39	20.59	0.30	20.89	<=33.01	Pass	
			75	0	20.63	0.30	20.93	<=33.01	Pass
		2593	1	0	21.27	0.30	21.57	<=33.01	Pass
				38	21.50	0.30	21.80	<=33.01	Pass
				74	21.38	0.30	21.68	<=33.01	Pass
			36	0	20.45	0.30	20.75	<=33.01	Pass
				18	20.46	0.30	20.76	<=33.01	Pass
				39	20.41	0.30	20.71	<=33.01	Pass
75	0	20.42	0.30	20.72	<=33.01	Pass			
2682.5	1	0	21.23	0.30	21.53	<=33.01	Pass		
		38	21.28	0.30	21.58	<=33.01	Pass		
		74	21.32	0.30	21.62	<=33.01	Pass		
	36	0	20.28	0.30	20.58	<=33.01	Pass		
		18	20.31	0.30	20.61	<=33.01	Pass		
		39	20.43	0.30	20.73	<=33.01	Pass		
75	0	20.35	0.30	20.65	<=33.01	Pass			

## 1.4 B41\_20MHz\_EIRP

### 1.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2506	1	0	23.57	0.30	23.87	<=33.01	Pass
			50	23.62	0.30	23.92	<=33.01	Pass
			99	23.59	0.30	23.89	<=33.01	Pass
		50	0	22.64	0.30	22.94	<=33.01	Pass
			25	22.65	0.30	22.95	<=33.01	Pass
			50	22.62	0.30	22.92	<=33.01	Pass



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	2593	100	0	22.67	0.30	22.97	<=33.01	Pass	
		1	0	23.40	0.30	23.70	<=33.01	Pass	
			50	23.29	0.30	23.59	<=33.01	Pass	
			99	23.31	0.30	23.61	<=33.01	Pass	
		50	0	22.41	0.30	22.71	<=33.01	Pass	
			25	22.48	0.30	22.78	<=33.01	Pass	
	50		22.45	0.30	22.75	<=33.01	Pass		
	100	0	22.44	0.30	22.74	<=33.01	Pass		
	2680	1	0	23.25	0.30	23.55	<=33.01	Pass	
			50	23.33	0.30	23.63	<=33.01	Pass	
			99	23.45	0.30	23.75	<=33.01	Pass	
		50	0	22.21	0.30	22.51	<=33.01	Pass	
25			22.33	0.30	22.63	<=33.01	Pass		
50			22.41	0.30	22.71	<=33.01	Pass		
100		0	22.26	0.30	22.56	<=33.01	Pass		
16QAM		2506	1	0	22.57	0.30	22.87	<=33.01	Pass
				50	22.52	0.30	22.82	<=33.01	Pass
	99			22.58	0.30	22.88	<=33.01	Pass	
	50		0	21.67	0.30	21.97	<=33.01	Pass	
			25	21.65	0.30	21.95	<=33.01	Pass	
			50	21.63	0.30	21.93	<=33.01	Pass	
	100	0	21.65	0.30	21.95	<=33.01	Pass		
	2593	1	0	22.38	0.30	22.68	<=33.01	Pass	
			50	22.18	0.30	22.48	<=33.01	Pass	
			99	22.30	0.30	22.60	<=33.01	Pass	
		50	0	21.40	0.30	21.70	<=33.01	Pass	
			25	21.50	0.30	21.80	<=33.01	Pass	
			50	21.41	0.30	21.71	<=33.01	Pass	
	100	0	21.44	0.30	21.74	<=33.01	Pass		
	2680	1	0	22.40	0.30	22.70	<=33.01	Pass	
			50	22.47	0.30	22.77	<=33.01	Pass	
			99	22.53	0.30	22.83	<=33.01	Pass	
		50	0	21.25	0.30	21.55	<=33.01	Pass	
25			21.32	0.30	21.62	<=33.01	Pass		
50			21.41	0.30	21.71	<=33.01	Pass		
100	0	21.29	0.30	21.59	<=33.01	Pass			
64QAM	2506	1	0	21.65	0.30	21.95	<=33.01	Pass	
			50	21.72	0.30	22.02	<=33.01	Pass	
			99	21.70	0.30	22.00	<=33.01	Pass	
		50	0	20.62	0.30	20.92	<=33.01	Pass	
			25	20.66	0.30	20.96	<=33.01	Pass	
			50	20.61	0.30	20.91	<=33.01	Pass	
	100	0	20.65	0.30	20.95	<=33.01	Pass		
	2593	1	0	21.43	0.30	21.73	<=33.01	Pass	
			50	21.40	0.30	21.70	<=33.01	Pass	
			99	21.46	0.30	21.76	<=33.01	Pass	
		50	0	20.41	0.30	20.71	<=33.01	Pass	
			25	20.46	0.30	20.76	<=33.01	Pass	



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## 2. Frequency Stability

### 2.1 B41\_5MHz

#### 2.1.1 Test Result

Band: 41 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2498.5	25	0	20	3.7	1.453	0.0006	/	Pass	
					3.91	-0.450	-0.0002	/	Pass	
					4.4	0.231	0.0001	/	Pass	
				-30	3.91	3.677	0.0015	/	Pass	
					-20	3.91	2.518	0.0010	/	Pass
					-10	3.91	2.706	0.0011	/	Pass
				0	3.91	0.335	0.0001	/	Pass	
					10	3.91	-0.152	-0.0001	/	Pass
					30	3.91	2.538	0.0010	/	Pass
	40	3.91	2.605		0.0010	/	Pass			
	50	3.91	1.595		0.0006	/	Pass			
	2593	25	0		20	3.7	0.946	0.0004	/	Pass
				3.91		4.776	0.0018	/	Pass	
				4.4		0.568	0.0002	/	Pass	
				-30	3.91	-1.398	-0.0005	/	Pass	
					-20	3.91	-0.287	-0.0001	/	Pass
					-10	3.91	1.590	0.0006	/	Pass
				0	3.91	0.930	0.0004	/	Pass	
					10	3.91	4.337	0.0017	/	Pass
					30	3.91	3.745	0.0014	/	Pass
	40	3.91	2.742		0.0011	/	Pass			
	50	3.91	2.614		0.0010	/	Pass			
	2687.5	25	0		20	3.7	4.890	0.0018	/	Pass
				3.91		1.356	0.0005	/	Pass	
				4.4		-0.042	0.0000	/	Pass	
				-30	3.91	2.636	0.0010	/	Pass	
					-20	3.91	2.867	0.0011	/	Pass
-10					3.91	3.893	0.0014	/	Pass	
0				3.91	1.958	0.0007	/	Pass		
				10	3.91	1.362	0.0005	/	Pass	
				30	3.91	3.514	0.0013	/	Pass	
	40	3.91	4.445	0.0017	/	Pass				
	50	3.91	1.047	0.0004	/	Pass				
	16QAM	2498.5	25	0	20	3.7	-0.660	-0.0003	/	Pass
3.91						0.224	0.0001	/	Pass	
4.4						0.410	0.0002	/	Pass	
-30					3.91	-0.246	-0.0001	/	Pass	



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				-20	3.91	-0.522	-0.0002	/	Pass
				-10	3.91	1.672	0.0007	/	Pass
				0	3.91	2.488	0.0010	/	Pass
				10	3.91	3.190	0.0013	/	Pass
				30	3.91	1.431	0.0006	/	Pass
				40	3.91	-0.622	-0.0002	/	Pass
				50	3.91	2.183	0.0009	/	Pass
	2593	25	0	20	3.7	4.950	0.0019	/	Pass
					3.91	3.542	0.0014	/	Pass
					4.4	1.400	0.0005	/	Pass
				-30	3.91	4.701	0.0018	/	Pass
				-20	3.91	0.252	0.0001	/	Pass
				-10	3.91	0.349	0.0001	/	Pass
				0	3.91	3.036	0.0012	/	Pass
				10	3.91	3.595	0.0014	/	Pass
				30	3.91	3.581	0.0014	/	Pass
				40	3.91	1.527	0.0006	/	Pass
				50	3.91	1.747	0.0007	/	Pass
	2687.5	25	0	20	3.7	0.747	0.0003	/	Pass
					3.91	0.974	0.0004	/	Pass
					4.4	1.560	0.0006	/	Pass
				-30	3.91	0.924	0.0003	/	Pass
				-20	3.91	3.450	0.0013	/	Pass
				-10	3.91	3.232	0.0012	/	Pass
				0	3.91	1.520	0.0006	/	Pass
				10	3.91	0.890	0.0003	/	Pass
				30	3.91	1.374	0.0005	/	Pass
				40	3.91	1.237	0.0005	/	Pass
50				3.91	3.011	0.0011	/	Pass	
64QAM	2498.5	25	0	20	3.7	0.084	0.0000	/	Pass
					3.91	2.761	0.0011	/	Pass
					4.4	-0.724	-0.0003	/	Pass
				-30	3.91	-0.316	-0.0001	/	Pass
				-20	3.91	-0.600	-0.0002	/	Pass
				-10	3.91	3.079	0.0012	/	Pass
				0	3.91	-0.493	-0.0002	/	Pass
				10	3.91	0.086	0.0000	/	Pass
				30	3.91	-0.227	-0.0001	/	Pass
				40	3.91	0.982	0.0004	/	Pass
				50	3.91	-0.993	-0.0004	/	Pass
	2593	25	0	20	3.7	3.204	0.0012	/	Pass
					3.91	3.439	0.0013	/	Pass
					4.4	4.908	0.0019	/	Pass
				-30	3.91	-0.156	-0.0001	/	Pass
				-20	3.91	3.202	0.0012	/	Pass
				-10	3.91	2.165	0.0008	/	Pass
				0	3.91	1.863	0.0007	/	Pass
				10	3.91	2.360	0.0009	/	Pass



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Modulation	Frequency (MHz)	RB Allocation Size	Offset	Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)	Verdict	
				Result	Limit				
QPSK	2687.5	25	0	30	3.91	0.878	0.0003	/	Pass
				40	3.91	-0.066	0.0000	/	Pass
				50	3.91	2.405	0.0009	/	Pass
				20	3.7	2.468	0.0009	/	Pass
					3.91	1.411	0.0005	/	Pass
					4.4	2.363	0.0009	/	Pass
				-30	3.91	0.426	0.0002	/	Pass
				-20	3.91	3.978	0.0015	/	Pass
				-10	3.91	3.415	0.0013	/	Pass
				0	3.91	1.710	0.0006	/	Pass
				10	3.91	1.939	0.0007	/	Pass
				30	3.91	2.941	0.0011	/	Pass
				40	3.91	3.870	0.0014	/	Pass
				50	3.91	1.158	0.0004	/	Pass

## 2.2 B41\_10MHz

### 2.2.1 Test Result

Band: 41 / Bandwidth: 10MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	2501	50	0	20	3.7	-2.602	-0.0010	/	Pass			
					3.91	-1.859	-0.0007	/	Pass			
					4.4	-2.317	-0.0009	/	Pass			
				-30	3.91	0.620	0.0002	/	Pass			
				-20	3.91	-2.224	-0.0009	/	Pass			
				-10	3.91	-0.028	0.0000	/	Pass			
				0	3.91	-1.020	-0.0004	/	Pass			
				10	3.91	-3.318	-0.0013	/	Pass			
				30	3.91	0.034	0.0000	/	Pass			
				40	3.91	-1.334	-0.0005	/	Pass			
				50	3.91	1.144	0.0005	/	Pass			
				2593	50	0	20	3.7	-2.682	-0.0010	/	Pass
								3.91	0.656	0.0003	/	Pass
								4.4	1.514	0.0006	/	Pass
	-30	3.91	-1.615				-0.0006	/	Pass			
	-20	3.91	-1.153				-0.0004	/	Pass			
	-10	3.91	-2.164				-0.0008	/	Pass			
	0	3.91	-1.313				-0.0005	/	Pass			
	10	3.91	1.305				0.0005	/	Pass			
	30	3.91	-2.254				-0.0009	/	Pass			
	40	3.91	-0.338				-0.0001	/	Pass			
	50	3.91	-1.264	-0.0005	/	Pass						
	2685	50	0	20	3.7	0.404	0.0002	/	Pass			
					3.91	0.494	0.0002	/	Pass			



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					4.4	1.489	0.0006	/	Pass	
				-30	3.91	2.468	0.0009	/	Pass	
				-20	3.91	1.624	0.0006	/	Pass	
				-10	3.91	2.532	0.0009	/	Pass	
				0	3.91	0.373	0.0001	/	Pass	
				10	3.91	1.884	0.0007	/	Pass	
				30	3.91	2.834	0.0011	/	Pass	
				40	3.91	1.110	0.0004	/	Pass	
				50	3.91	-0.021	0.0000	/	Pass	
16QAM	2501	50	0	20	3.7	0.365	0.0001	/	Pass	
					3.91	-1.396	-0.0006	/	Pass	
					4.4	-1.482	-0.0006	/	Pass	
				-30	3.91	0.825	0.0003	/	Pass	
					-20	3.91	-1.354	-0.0005	/	Pass
					-10	3.91	-1.037	-0.0004	/	Pass
				0	3.91	0.180	0.0001	/	Pass	
					10	3.91	-0.505	-0.0002	/	Pass
					30	3.91	1.470	0.0006	/	Pass
				40	3.91	-0.674	-0.0003	/	Pass	
					50	3.91	-1.661	-0.0007	/	Pass
					2593	50	0	20	3.7	1.330
	3.91	-0.524	-0.0002	/					Pass	
	4.4	0.451	0.0002	/					Pass	
	-30	3.91	-0.766	-0.0003				/	Pass	
		-20	3.91	-3.169				-0.0012	/	Pass
		-10	3.91	-1.550				-0.0006	/	Pass
	0	3.91	-2.266	-0.0009				/	Pass	
		10	3.91	0.400				0.0002	/	Pass
		30	3.91	-1.626				-0.0006	/	Pass
	40	3.91	0.111	0.0000				/	Pass	
		50	3.91	-0.418				-0.0002	/	Pass
		2685	50	0				20	3.7	0.451
	3.91				2.588	0.0010	/		Pass	
4.4	2.897				0.0011	/	Pass			
-30	3.91				2.759	0.0010	/	Pass		
	-20				3.91	3.675	0.0014	/	Pass	
	-10				3.91	2.875	0.0011	/	Pass	
0	3.91				0.215	0.0001	/	Pass		
	10				3.91	2.037	0.0008	/	Pass	
	30				3.91	-0.276	-0.0001	/	Pass	
40	3.91				2.269	0.0008	/	Pass		
	50				3.91	2.741	0.0010	/	Pass	
	64QAM				2501	50	0	20	3.7	0.498
3.91		1.216	0.0005	/					Pass	
4.4		0.904	0.0004	/					Pass	
-30		3.91	-0.073	0.0000				/	Pass	
		-20	3.91	-2.532				-0.0010	/	Pass
		-10	3.91	-1.072				-0.0004	/	Pass



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# SGS-CSTC Standards Technical Services Co., Ltd. Shenzhen Branch

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				0	3.91	-2.926	-0.0012	/	Pass			
				10	3.91	-0.981	-0.0004	/	Pass			
				30	3.91	-2.050	-0.0008	/	Pass			
				40	3.91	1.487	0.0006	/	Pass			
				50	3.91	-1.777	-0.0007	/	Pass			
	2593	50	0	20	3.7	0.913	0.0004	/	Pass			
3.91					0.446	0.0002	/	Pass				
4.4					-3.695	-0.0014	/	Pass				
							-30	3.91	-0.608	-0.0002	/	Pass
							-20	3.91	0.231	0.0001	/	Pass
							-10	3.91	-1.363	-0.0005	/	Pass
							0	3.91	-1.234	-0.0005	/	Pass
							10	3.91	-1.422	-0.0005	/	Pass
							30	3.91	-2.148	-0.0008	/	Pass
							40	3.91	-2.814	-0.0011	/	Pass
							50	3.91	-1.886	-0.0007	/	Pass
				2685	50	0	20	3.7	0.923	0.0003	/	Pass
3.91	-0.866	-0.0003	/					Pass				
4.4	0.240	0.0001	/					Pass				
							-30	3.91	2.441	0.0009	/	Pass
							-20	3.91	0.254	0.0001	/	Pass
							-10	3.91	0.721	0.0003	/	Pass
							0	3.91	2.331	0.0009	/	Pass
							10	3.91	2.033	0.0008	/	Pass
							30	3.91	1.984	0.0007	/	Pass
							40	3.91	-0.187	-0.0001	/	Pass
							50	3.91	0.566	0.0002	/	Pass

## 2.3 B41\_15MHz

### 2.3.1 Test Result

Band: 41 / Bandwidth: 15MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	2503.5	75	0	20	3.7	-1.006	-0.0004	/	Pass				
					3.91	0.250	0.0001	/	Pass				
					4.4	0.970	0.0004	/	Pass				
								-30	3.91	-3.570	-0.0014	/	Pass
								-20	3.91	-2.253	-0.0009	/	Pass
								-10	3.91	0.678	0.0003	/	Pass
								0	3.91	-2.972	-0.0012	/	Pass
								10	3.91	-3.005	-0.0012	/	Pass
								30	3.91	-1.736	-0.0007	/	Pass
								40	3.91	-1.265	-0.0005	/	Pass
								50	3.91	-0.422	-0.0002	/	Pass



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2593	75	0	20	3.7	1.240	0.0005	/	Pass			
				3.91	-0.788	-0.0003	/	Pass			
				4.4	0.472	0.0002	/	Pass			
			-30	3.91	-2.012	-0.0008	/	Pass			
				-20	3.91	-2.289	-0.0009	/	Pass		
					-10	3.91	0.885	0.0003	/	Pass	
			0	3.91	-2.712	-0.0010	/	Pass			
			10	3.91	-1.274	-0.0005	/	Pass			
			30	3.91	-2.791	-0.0011	/	Pass			
			40	3.91	-0.288	-0.0001	/	Pass			
			50	3.91	0.776	0.0003	/	Pass			
			2682.5	75	0	20	3.7	-2.001	-0.0007	/	Pass
							3.91	0.983	0.0004	/	Pass
							4.4	-0.154	-0.0001	/	Pass
						-30	3.91	-2.157	-0.0008	/	Pass
							-20	3.91	1.371	0.0005	/
						-10		3.91	-2.949	-0.0011	/
						0	3.91	0.133	0.0000	/	Pass
						10	3.91	1.645	0.0006	/	Pass
30	3.91	-1.571				-0.0006	/	Pass			
40	3.91	1.203				0.0004	/	Pass			
50	3.91	-1.838	-0.0007	/	Pass						
16QAM	2503.5	75	0	20	3.7	-2.613	-0.0010	/	Pass		
					3.91	1.357	0.0005	/	Pass		
					4.4	0.517	0.0002	/	Pass		
				-30	3.91	-2.171	-0.0009	/	Pass		
					-20	3.91	-2.831	-0.0011	/	Pass	
				-10		3.91	-1.185	-0.0005	/	Pass	
				0	3.91	-0.224	-0.0001	/	Pass		
				10	3.91	1.575	0.0006	/	Pass		
				30	3.91	0.004	0.0000	/	Pass		
				40	3.91	-2.132	-0.0009	/	Pass		
	50	3.91	-0.502	-0.0002	/	Pass					
	2593	75	0	20	3.7	-1.761	-0.0007	/	Pass		
					3.91	0.475	0.0002	/	Pass		
					4.4	-0.788	-0.0003	/	Pass		
				-30	3.91	-3.582	-0.0014	/	Pass		
					-20	3.91	1.436	0.0006	/	Pass	
				-10		3.91	-0.772	-0.0003	/	Pass	
				0	3.91	-2.026	-0.0008	/	Pass		
				10	3.91	-1.126	-0.0004	/	Pass		
30				3.91	-1.220	-0.0005	/	Pass			
40	3.91	-1.566	-0.0006	/	Pass						
50	3.91	-0.556	-0.0002	/	Pass						
2682.5	75	0	20	3.7	-1.119	-0.0004	/	Pass			
				3.91	0.637	0.0002	/	Pass			
				4.4	-0.956	-0.0004	/	Pass			
			-30	3.91	-1.610	-0.0006	/	Pass			



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				-20	3.91	-0.776	-0.0003	/	Pass
				-10	3.91	-1.301	-0.0005	/	Pass
				0	3.91	0.510	0.0002	/	Pass
				10	3.91	-1.342	-0.0005	/	Pass
				30	3.91	-0.135	-0.0001	/	Pass
				40	3.91	-2.583	-0.0010	/	Pass
				50	3.91	-0.485	-0.0002	/	Pass
64QAM	2503.5	75	0	20	3.7	1.156	0.0005	/	Pass
					3.91	-2.204	-0.0009	/	Pass
					4.4	1.351	0.0005	/	Pass
				-30	3.91	1.564	0.0006	/	Pass
				-20	3.91	-0.445	-0.0002	/	Pass
				-10	3.91	-0.979	-0.0004	/	Pass
				0	3.91	-2.154	-0.0009	/	Pass
				10	3.91	2.512	0.0010	/	Pass
				30	3.91	-1.505	-0.0006	/	Pass
				40	3.91	1.715	0.0007	/	Pass
				50	3.91	-1.714	-0.0007	/	Pass
				2593	75	0	20	3.7	-0.268
	3.91	-1.749	-0.0007					/	Pass
	4.4	0.166	0.0001					/	Pass
	-30	3.91	-0.201				-0.0001	/	Pass
	-20	3.91	0.150				0.0001	/	Pass
	-10	3.91	-2.257				-0.0009	/	Pass
	0	3.91	-1.547				-0.0006	/	Pass
	10	3.91	-3.628				-0.0014	/	Pass
	30	3.91	-0.927				-0.0004	/	Pass
	40	3.91	-2.118				-0.0008	/	Pass
	50	3.91	-0.168				-0.0001	/	Pass
	2682.5	75	0				20	3.7	-2.061
				3.91	1.064	0.0004		/	Pass
4.4				0.624	0.0002	/		Pass	
-30				3.91	0.555	0.0002	/	Pass	
-20				3.91	-2.262	-0.0008	/	Pass	
-10				3.91	-0.716	-0.0003	/	Pass	
0				3.91	-1.948	-0.0007	/	Pass	
10				3.91	-2.508	-0.0009	/	Pass	
30				3.91	-1.350	-0.0005	/	Pass	
40				3.91	0.131	0.0000	/	Pass	
50				3.91	0.077	0.0000	/	Pass	



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## 2.4 B41\_20MHz

### 2.4.1 Test Result

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	3.7	-1.643	-0.0007	/	Pass	
					3.91	-2.536	-0.0010	/	Pass	
					4.4	1.164	0.0005	/	Pass	
				-30	3.91	-4.252	-0.0017	/	Pass	
					-20	3.91	0.028	0.0000	/	Pass
					-10	3.91	-3.440	-0.0014	/	Pass
				0	3.91	1.133	0.0005	/	Pass	
					10	3.91	-2.717	-0.0011	/	Pass
					30	3.91	0.212	0.0001	/	Pass
	40	3.91	0.939	0.0004	/	Pass				
		50	3.91	0.811	0.0003	/	Pass			
		20	3.7	-1.374	-0.0005	/	Pass			
	3.91		0.292	0.0001	/	Pass				
	4.4		-1.336	-0.0005	/	Pass				
	2593	100	0	-30	3.91	-1.775	-0.0007	/	Pass	
					-20	3.91	-0.668	-0.0003	/	Pass
					-10	3.91	-1.859	-0.0007	/	Pass
				0	3.91	-0.524	-0.0002	/	Pass	
					10	3.91	-1.565	-0.0006	/	Pass
					30	3.91	-2.212	-0.0009	/	Pass
				40	3.91	0.051	0.0000	/	Pass	
					50	3.91	0.097	0.0000	/	Pass
					20	3.7	-1.859	-0.0007	/	Pass
	3.91	-1.213	-0.0005	/		Pass				
	4.4	-0.918	-0.0003	/		Pass				
	2680	100	0	-30	3.91	0.060	0.0000	/	Pass	
					-20	3.91	1.393	0.0005	/	Pass
-10					3.91	-0.597	-0.0002	/	Pass	
0				3.91	-0.825	-0.0003	/	Pass		
				10	3.91	-2.451	-0.0009	/	Pass	
				30	3.91	1.950	0.0007	/	Pass	
40				3.91	0.618	0.0002	/	Pass		
				50	3.91	2.123	0.0008	/	Pass	
				20	3.7	-3.107	-0.0012	/	Pass	
3.91	0.413	0.0002	/		Pass					
4.4	-1.230	-0.0005	/		Pass					
16QAM	2506	100	0	-30	3.91	-2.941	-0.0012	/	Pass	
					-20	3.91	-2.375	-0.0009	/	Pass



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64QAM	2593	100	0	-10	3.91	0.318	0.0001	/	Pass		
				0	3.91	0.124	0.0000	/	Pass		
				10	3.91	-2.956	-0.0012	/	Pass		
				30	3.91	-1.625	-0.0006	/	Pass		
				40	3.91	-0.731	-0.0003	/	Pass		
				50	3.91	1.134	0.0005	/	Pass		
	2593	100	0	20	3.7	-1.007	-0.0004	/	Pass		
					3.91	1.927	0.0007	/	Pass		
					4.4	-2.607	-0.0010	/	Pass		
				-30	3.91	0.058	0.0000	/	Pass		
				-20	3.91	1.302	0.0005	/	Pass		
				-10	3.91	-2.101	-0.0008	/	Pass		
				0	3.91	-0.074	0.0000	/	Pass		
				10	3.91	-1.650	-0.0006	/	Pass		
				30	3.91	-0.803	-0.0003	/	Pass		
				40	3.91	1.359	0.0005	/	Pass		
	50	3.91	1.211	0.0005	/	Pass					
	2680	100	0	20	3.7	-2.188	-0.0008	/	Pass		
					3.91	2.041	0.0008	/	Pass		
					4.4	-2.280	-0.0009	/	Pass		
				-30	3.91	-0.272	-0.0001	/	Pass		
				-20	3.91	1.944	0.0007	/	Pass		
				-10	3.91	-1.443	-0.0005	/	Pass		
				0	3.91	2.388	0.0009	/	Pass		
10				3.91	-1.316	-0.0005	/	Pass			
30				3.91	1.020	0.0004	/	Pass			
40				3.91	3.404	0.0013	/	Pass			
50	3.91	-0.846	-0.0003	/	Pass						
2506	100	0	20	3.7	-2.061	-0.0008	/	Pass			
				3.91	-0.067	0.0000	/	Pass			
				4.4	-1.840	-0.0007	/	Pass			
			-30	3.91	1.345	0.0005	/	Pass			
			-20	3.91	-2.082	-0.0008	/	Pass			
			-10	3.91	-0.406	-0.0002	/	Pass			
			0	3.91	-1.177	-0.0005	/	Pass			
			10	3.91	-1.948	-0.0008	/	Pass			
			30	3.91	0.465	0.0002	/	Pass			
			40	3.91	-2.203	-0.0009	/	Pass			
			50	3.91	-2.981	-0.0012	/	Pass			
			2593	100	0	20	3.7	-2.550	-0.0010	/	Pass
							3.91	-0.737	-0.0003	/	Pass
							4.4	0.404	0.0002	/	Pass
-30	3.91	-1.625				-0.0006	/	Pass			
-20	3.91	-1.567				-0.0006	/	Pass			
-10	3.91	-3.228				-0.0012	/	Pass			
0	3.91	-0.775				-0.0003	/	Pass			
10	3.91	-0.130				-0.0001	/	Pass			
30	3.91	-2.241	-0.0009	/	Pass						



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				40	3.91	-0.995	-0.0004	/	Pass
				50	3.91	0.187	0.0001	/	Pass
	2680	100	0	20	3.7	0.026	0.0000	/	Pass
3.91					0.856	0.0003	/	Pass	
4.4				1.533	0.0006	/	Pass		
-30				3.91	-0.153	-0.0001	/	Pass	
-20				3.91	-0.042	0.0000	/	Pass	
-10				3.91	-2.239	-0.0008	/	Pass	
0				3.91	-2.258	-0.0008	/	Pass	
10				3.91	-0.901	-0.0003	/	Pass	
30				3.91	-1.691	-0.0006	/	Pass	
40				3.91	-1.238	-0.0005	/	Pass	
50				3.91	-1.729	-0.0006	/	Pass	



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## 3. 99% & 26dB Bandwidth

### 3.1 Band41\_OBW

#### 3.1.1 Test Result

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	4.557	/	Pass
		2687.5	25	0	4.559	/	Pass
	16QAM	2498.5	25	0	4.558	/	Pass
		2593	25	0	4.565	/	Pass
		2687.5	25	0	4.571	/	Pass
	64QAM	2498.5	25	0	4.585	/	Pass
		2593	25	0	4.552	/	Pass
		2687.5	25	0	4.561	/	Pass
10	QPSK	2501	50	0	9.071	/	Pass
		2593	50	0	9.083	/	Pass
		2685	50	0	9.078	/	Pass
	16QAM	2501	50	0	9.076	/	Pass
		2593	50	0	9.090	/	Pass
		2685	50	0	9.093	/	Pass
	64QAM	2501	50	0	9.084	/	Pass
		2593	50	0	9.123	/	Pass
		2685	50	0	9.088	/	Pass
15	QPSK	2503.5	75	0	13.588	/	Pass
		2593	75	0	13.645	/	Pass
		2682.5	75	0	13.573	/	Pass
	16QAM	2503.5	75	0	13.645	/	Pass
		2593	75	0	13.597	/	Pass
		2682.5	75	0	13.607	/	Pass
	64QAM	2503.5	75	0	13.621	/	Pass
		2593	75	0	13.604	/	Pass
		2682.5	75	0	13.590	/	Pass
20	QPSK	2506	100	0	18.124	/	Pass
		2593	100	0	18.119	/	Pass
		2680	100	0	18.110	/	Pass
	16QAM	2506	100	0	18.104	/	Pass
		2593	100	0	18.191	/	Pass
		2680	100	0	18.135	/	Pass
	64QAM	2506	100	0	18.127	/	Pass
		2593	100	0	18.087	/	Pass
		2680	100	0	18.096	/	Pass



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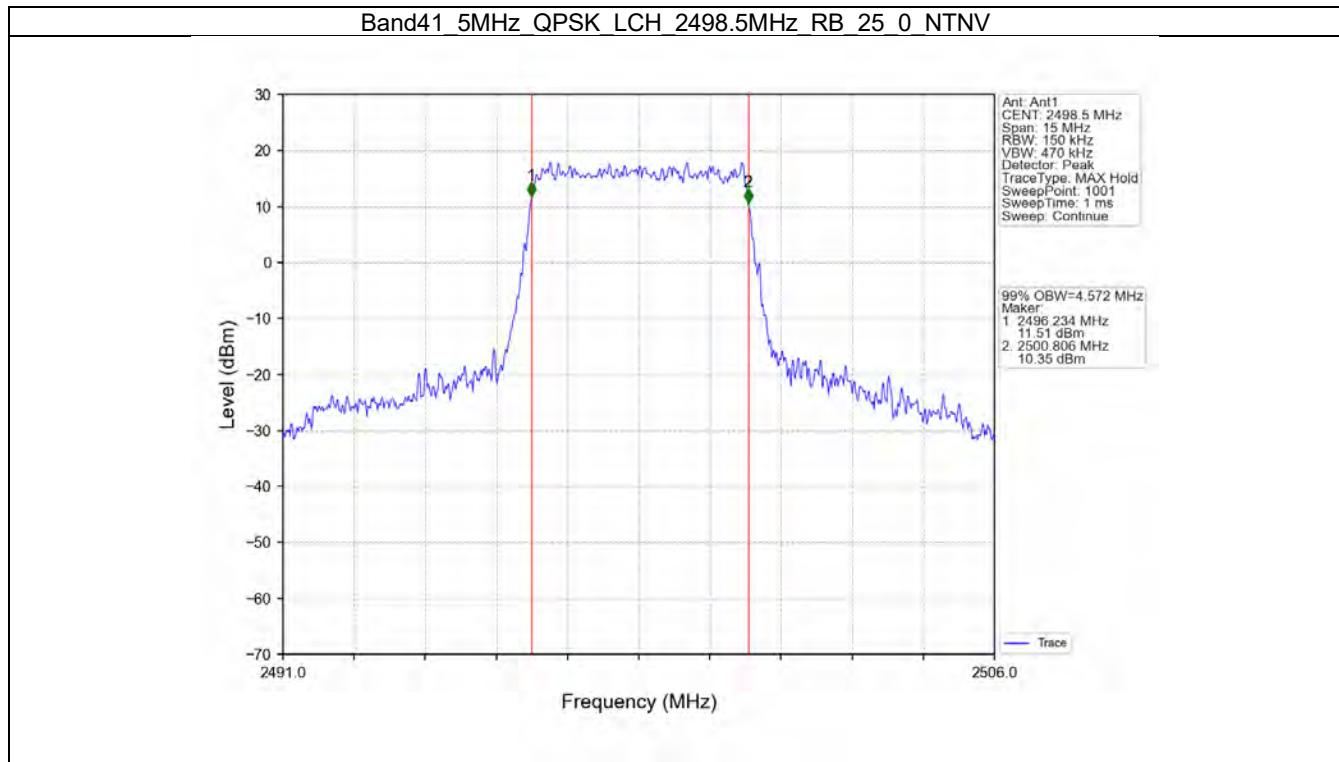
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## 3.1.2 Test Graph



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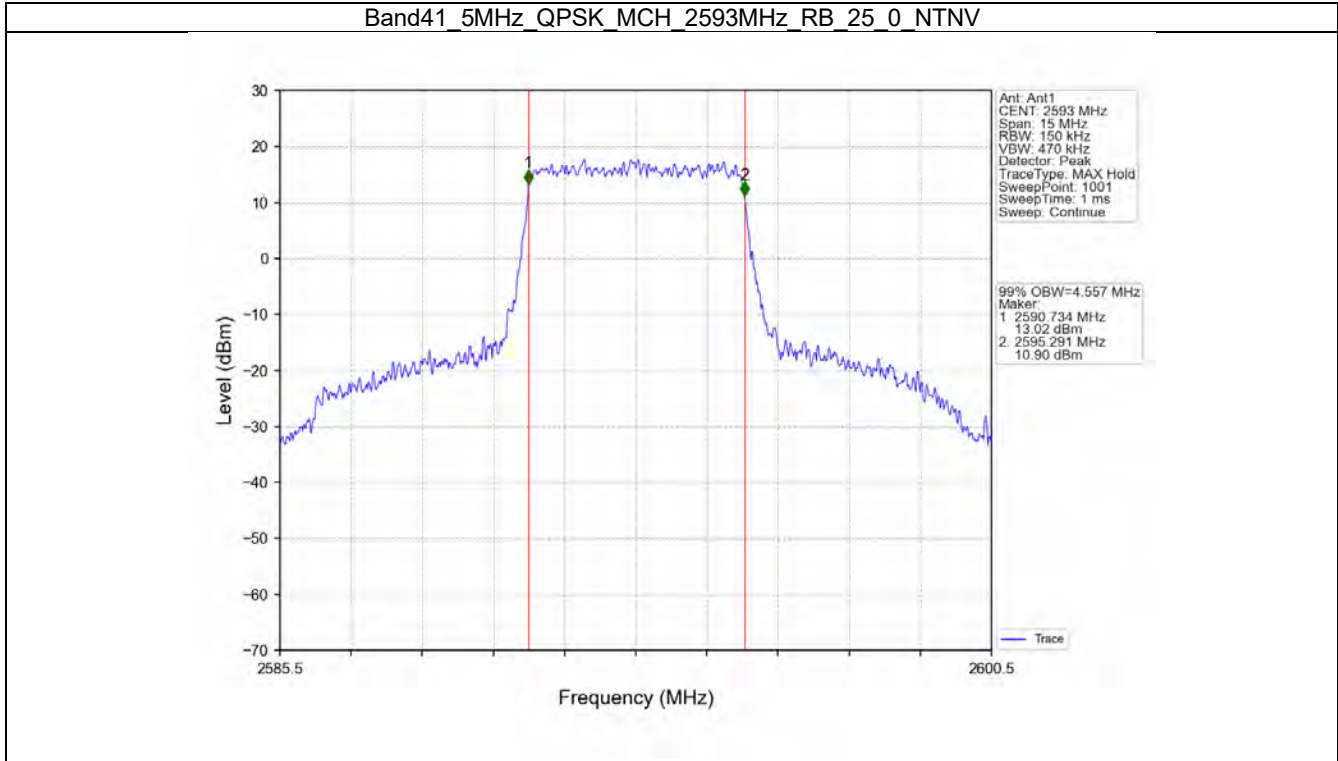


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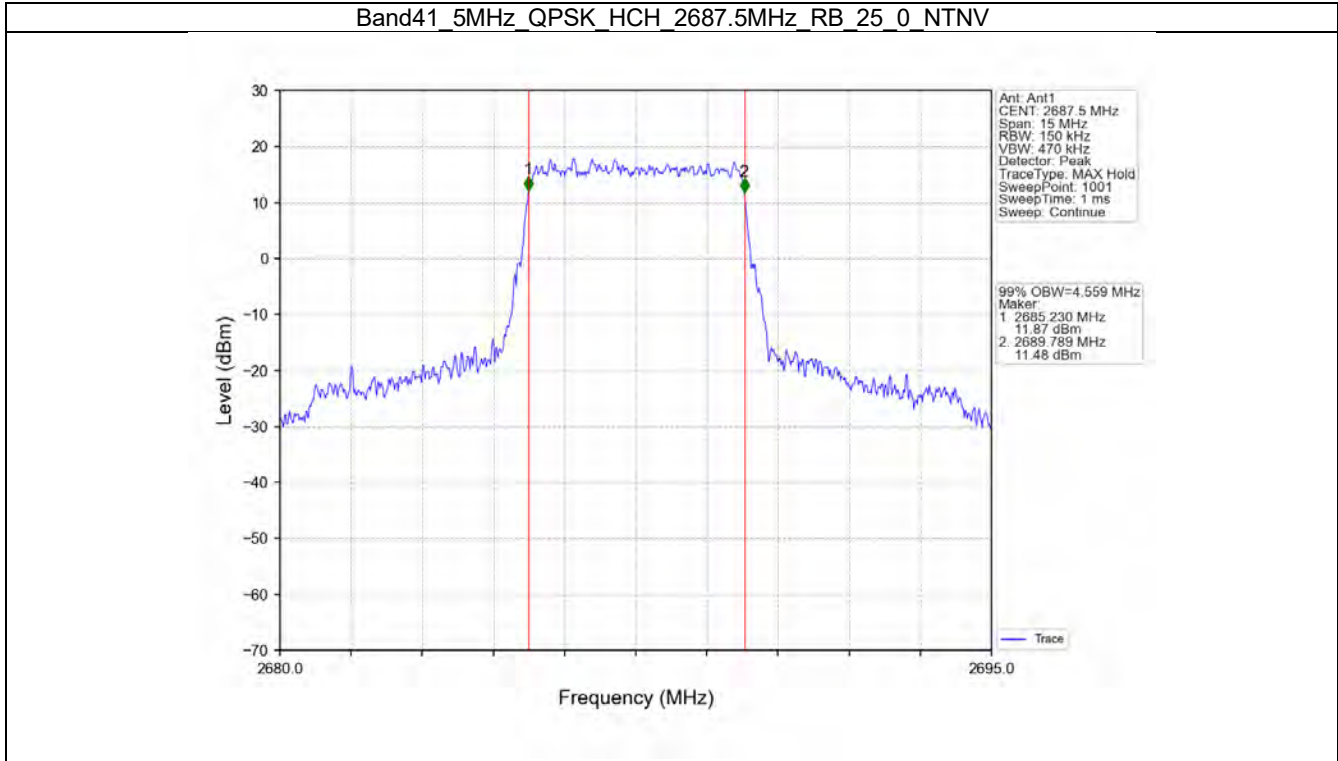


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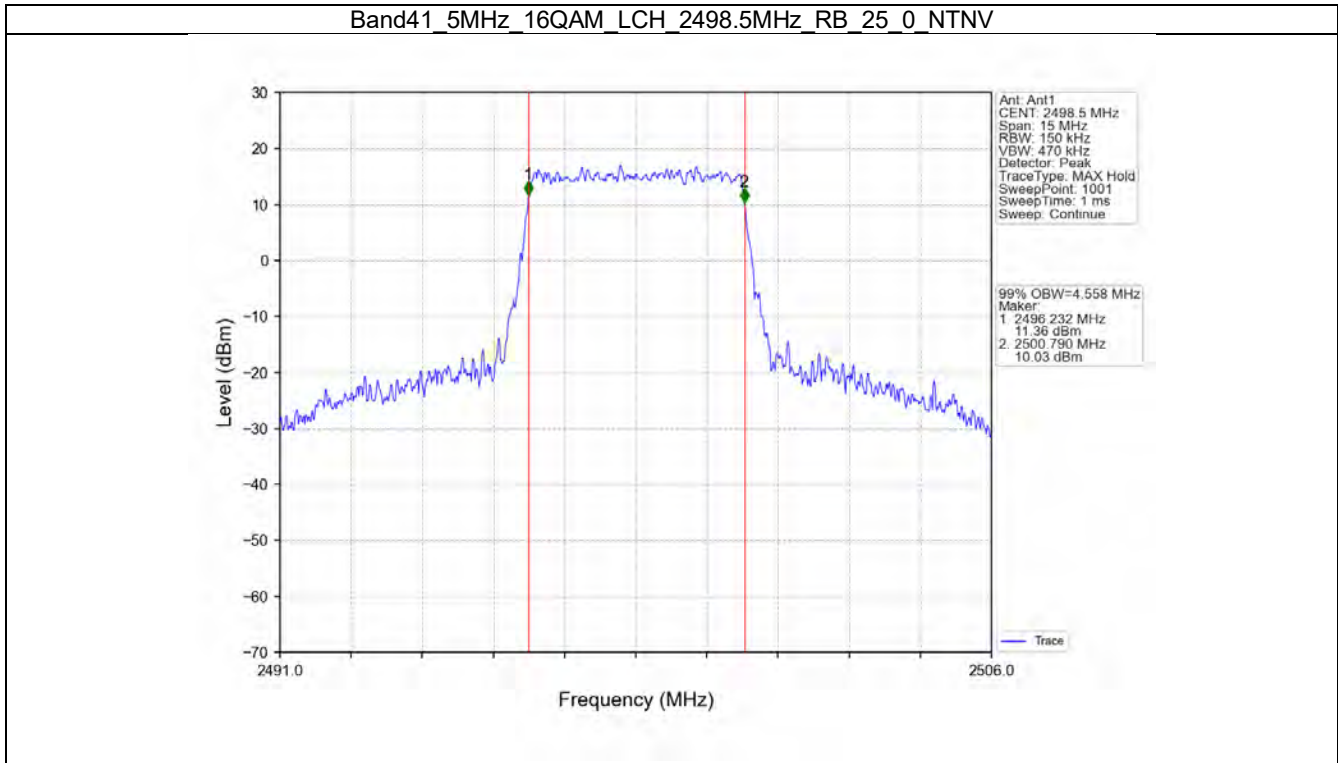


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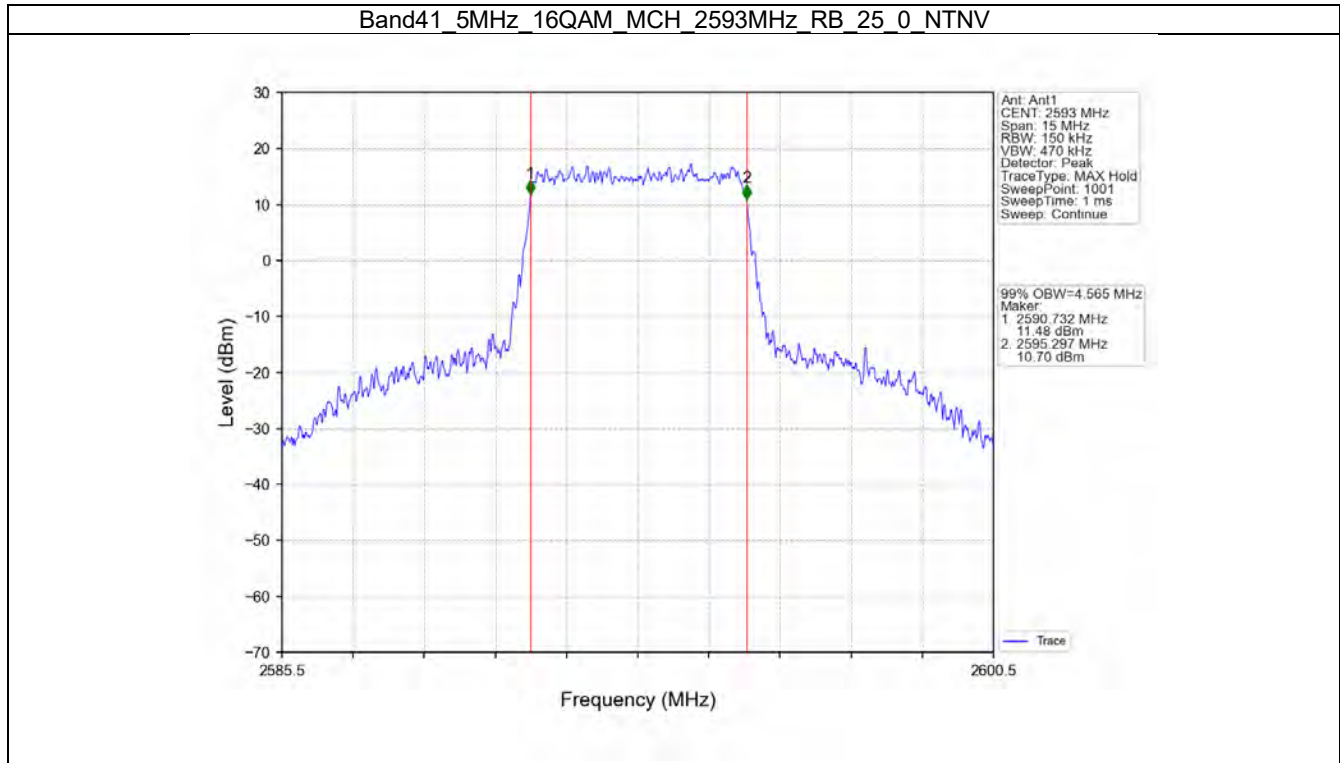


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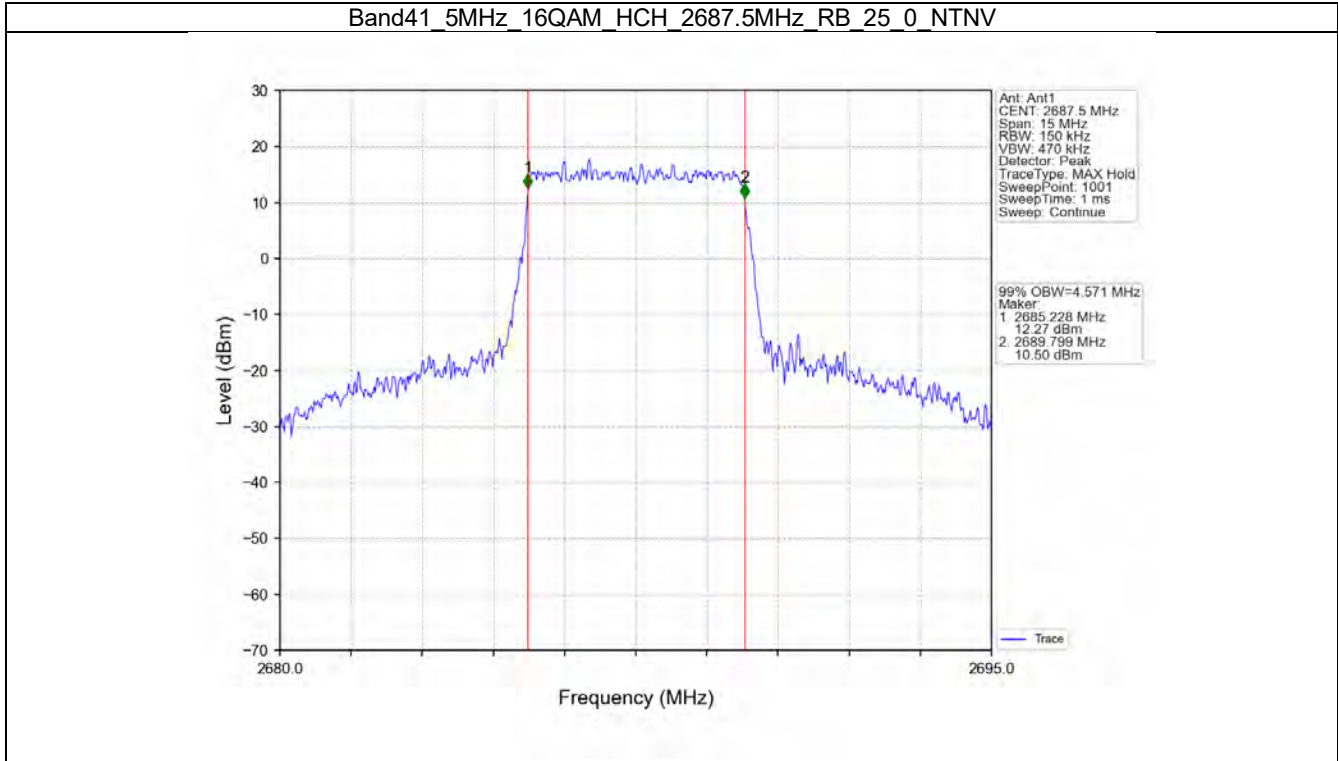


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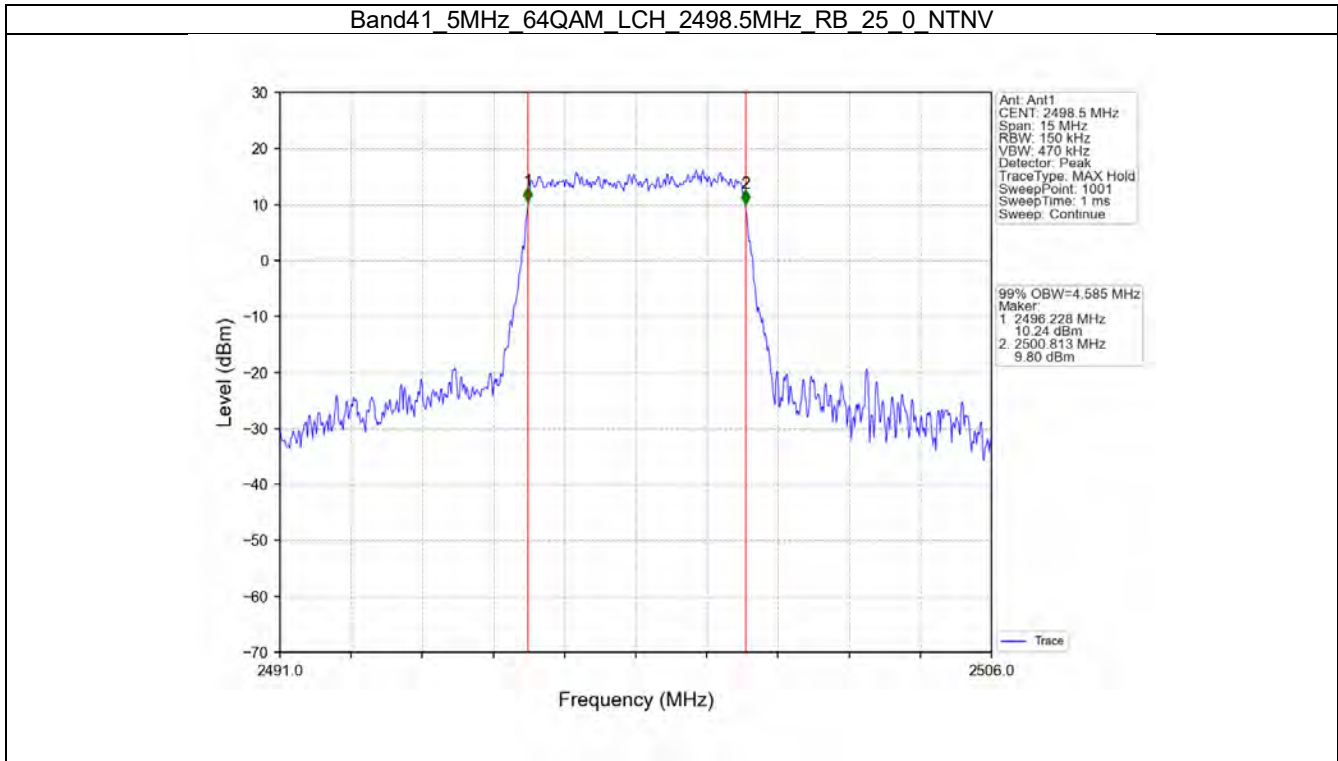


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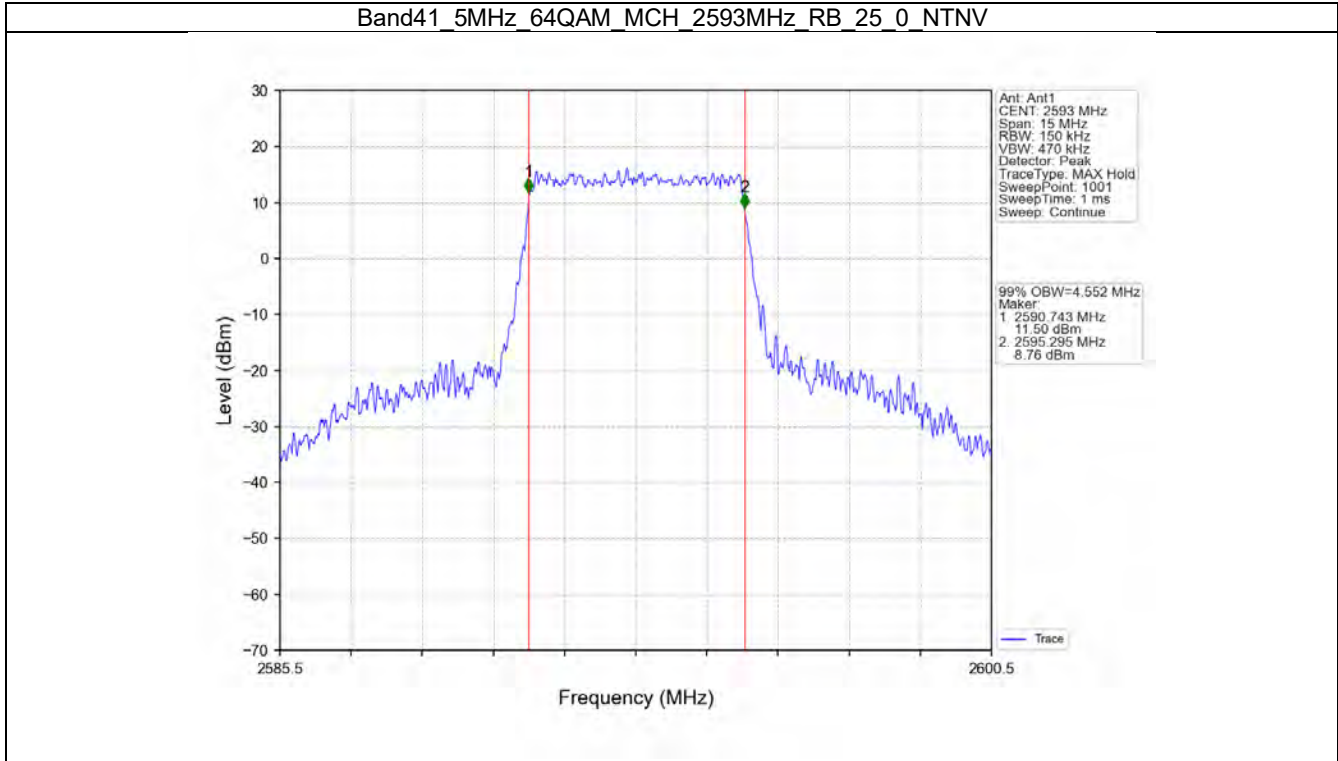


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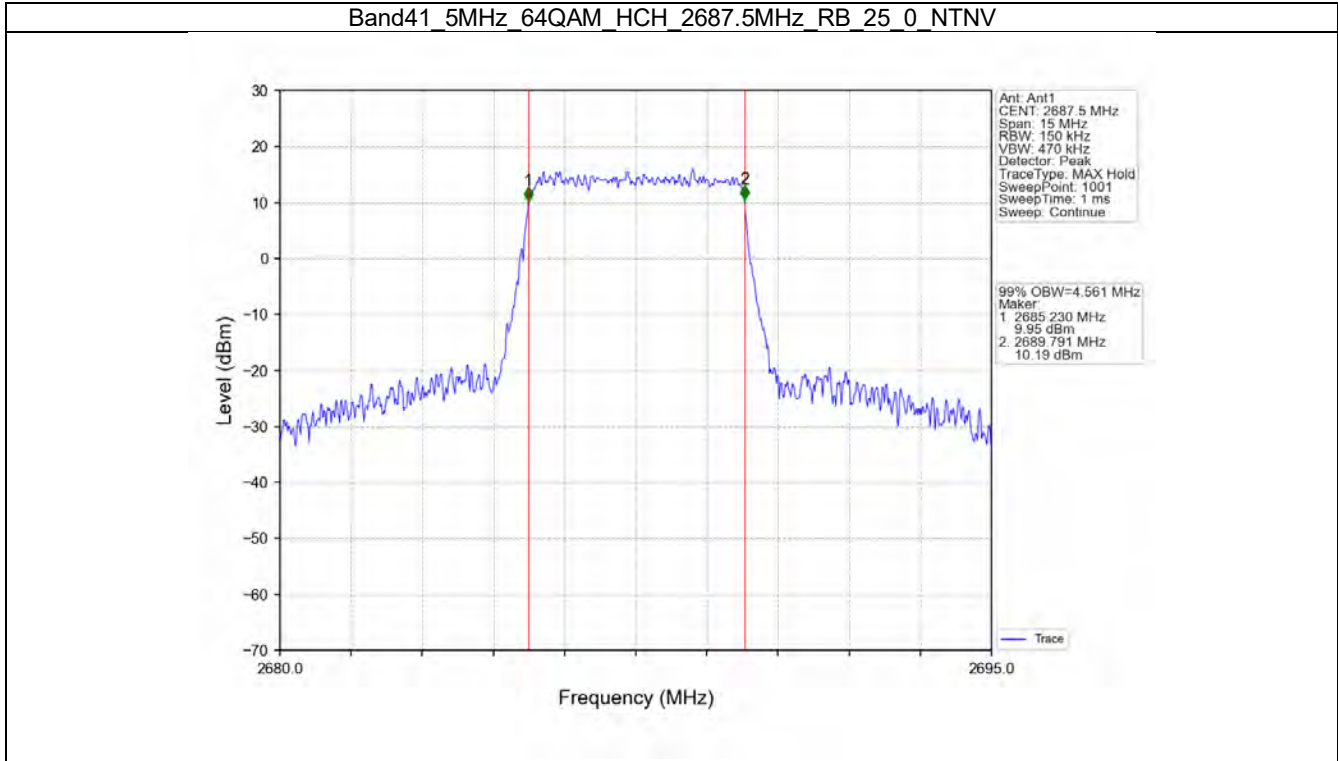


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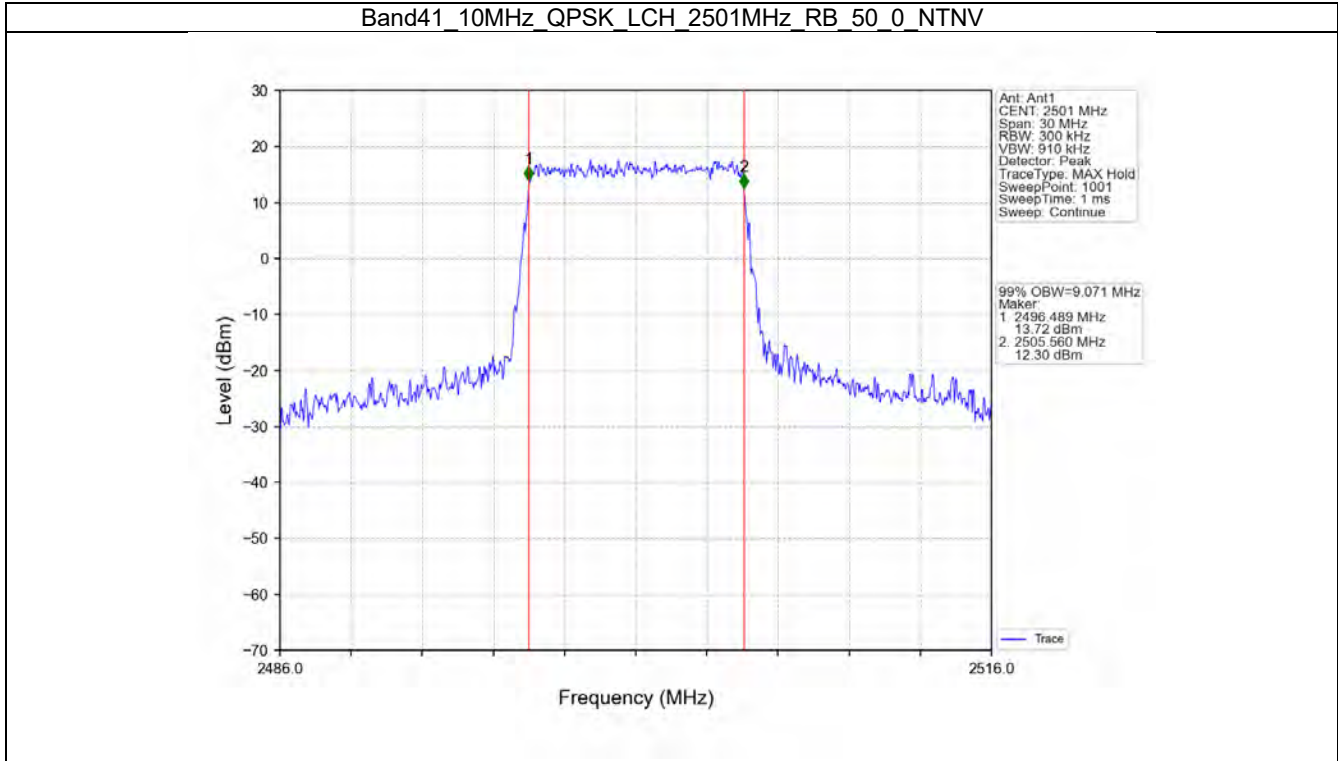


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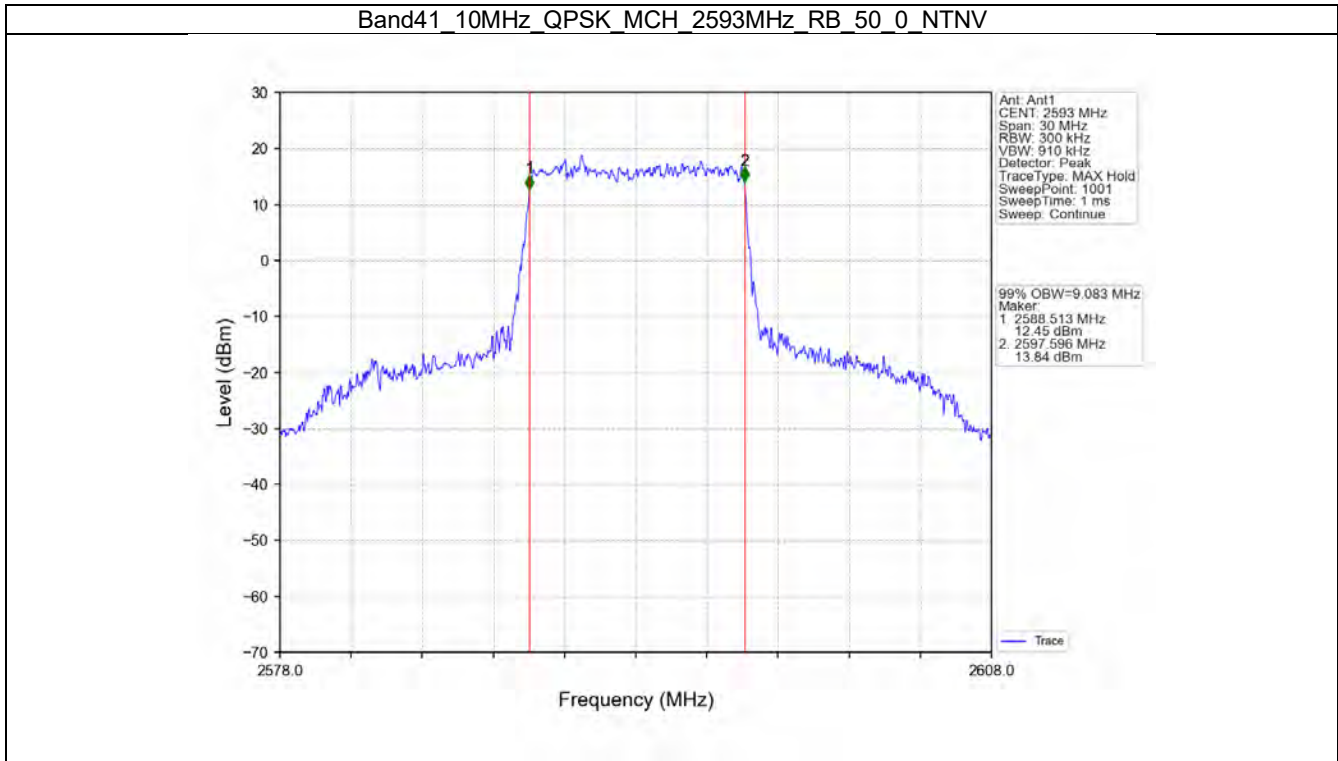


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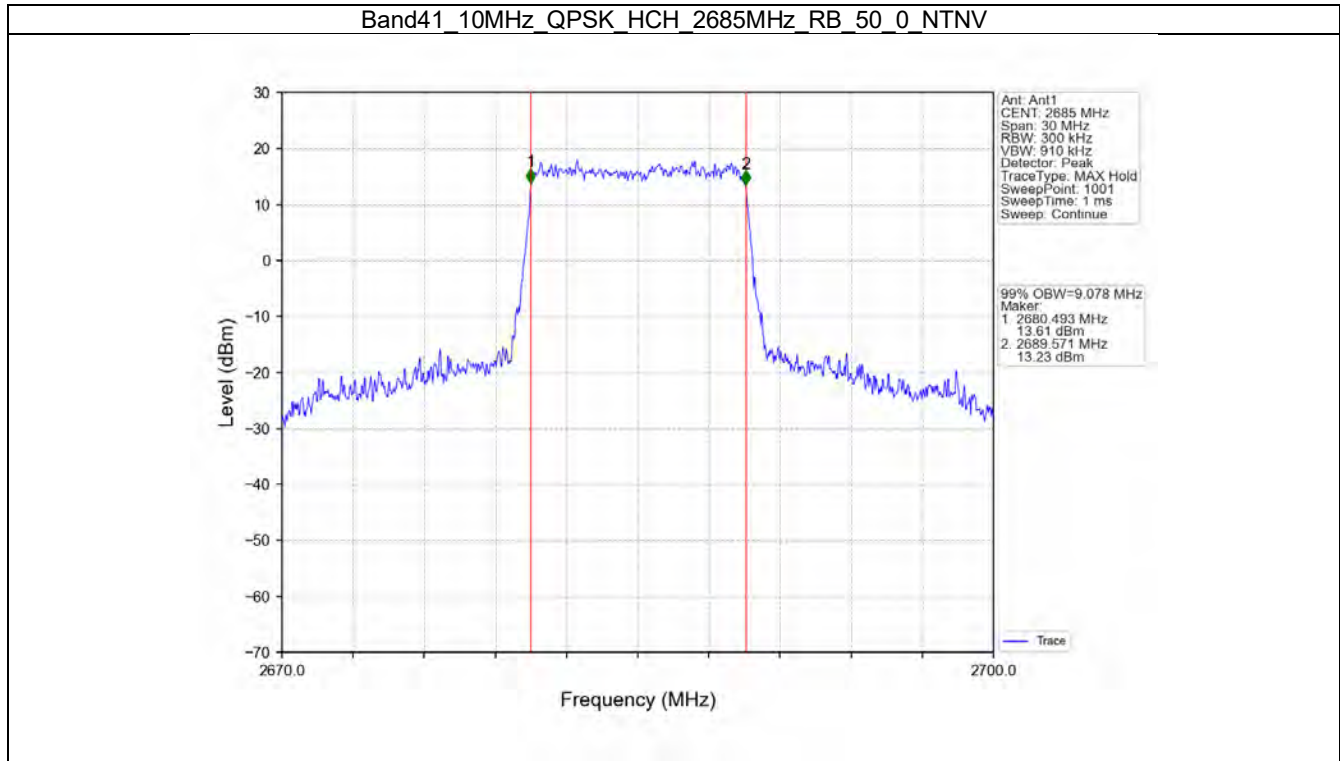


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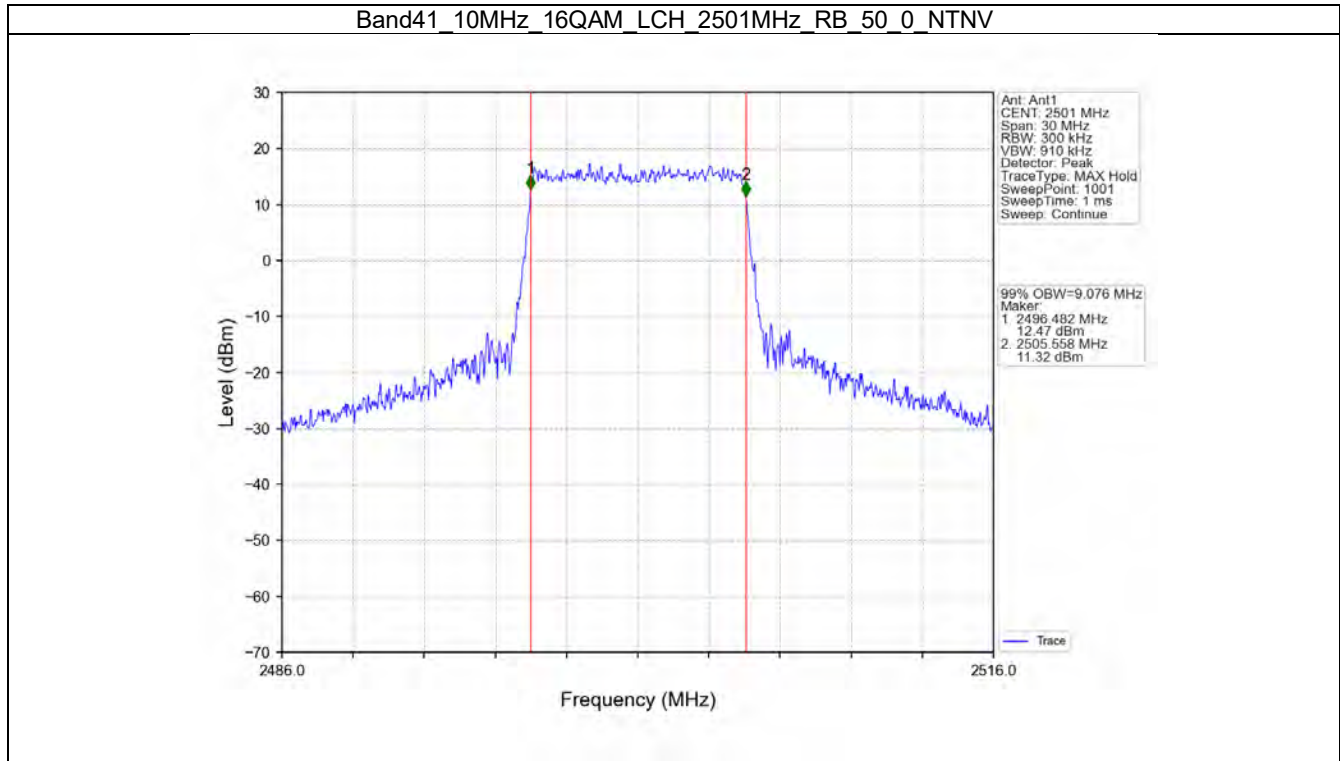


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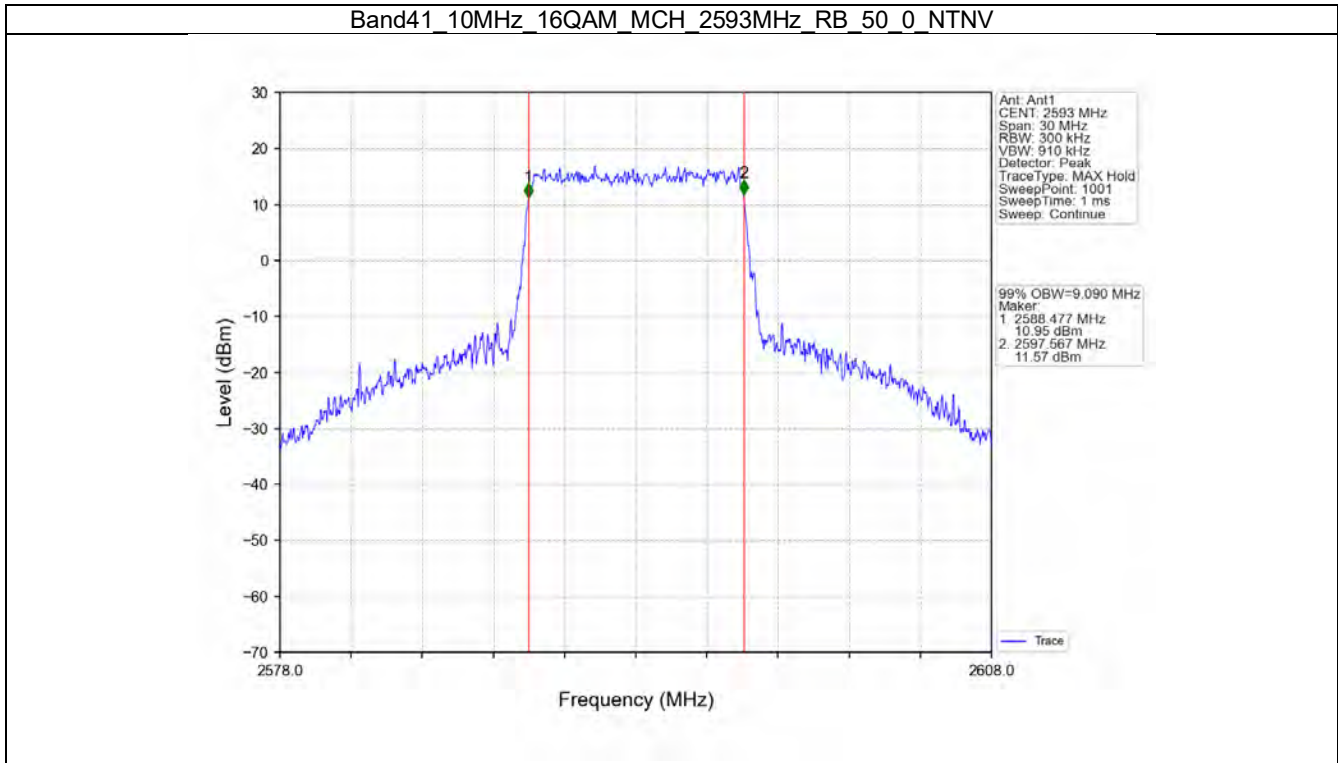


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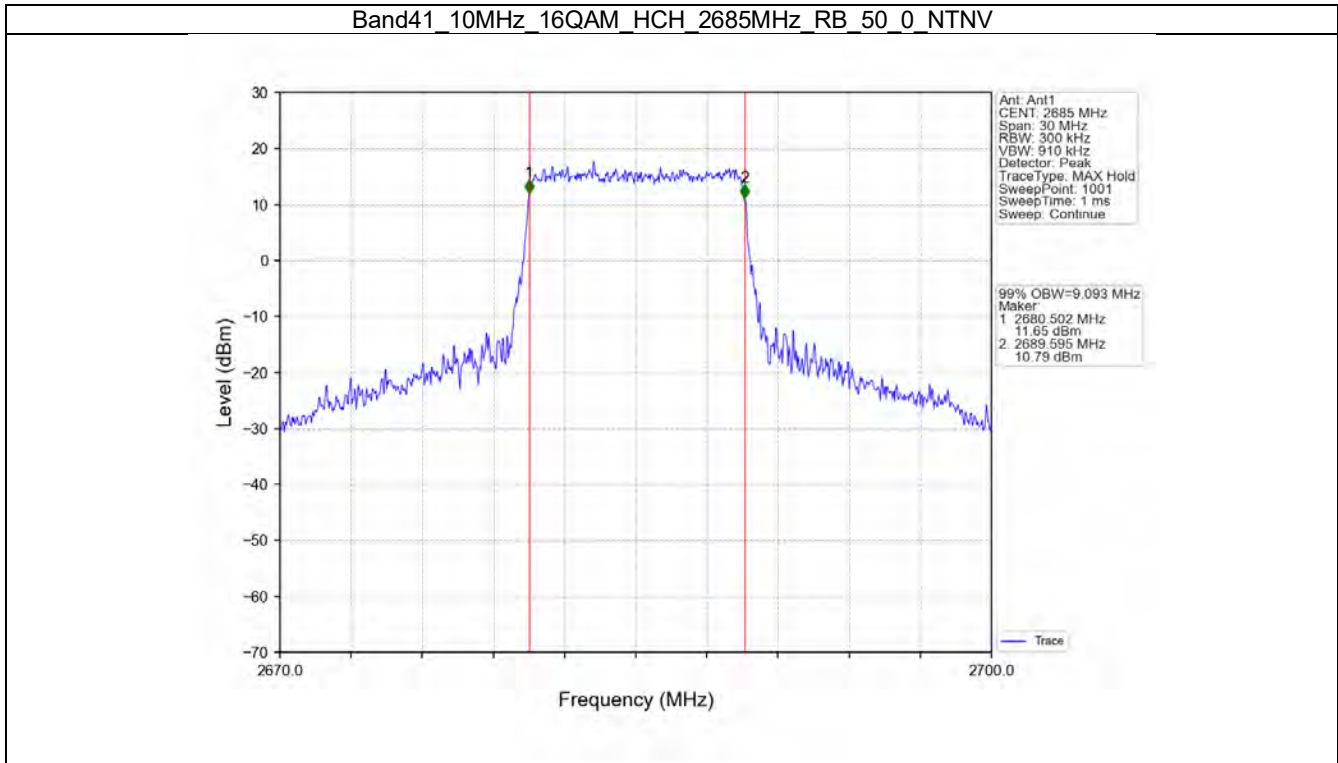


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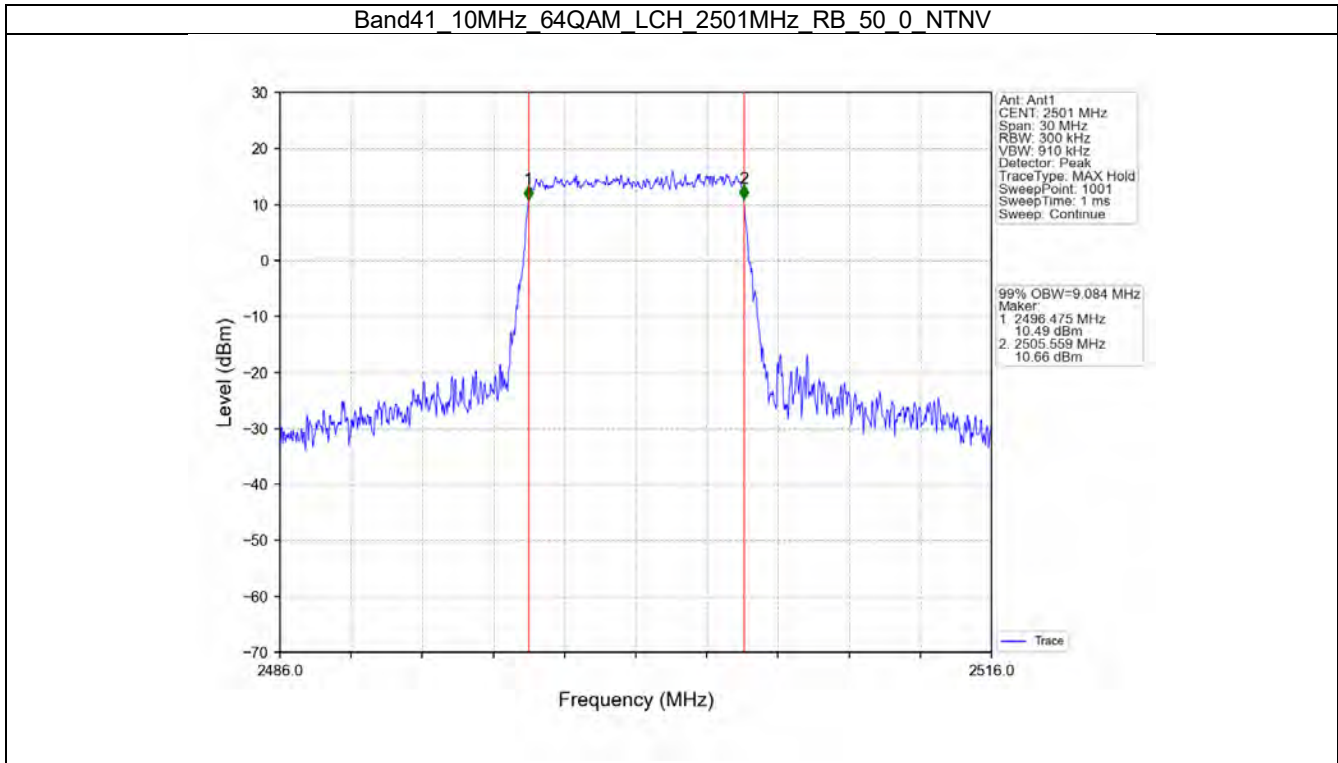


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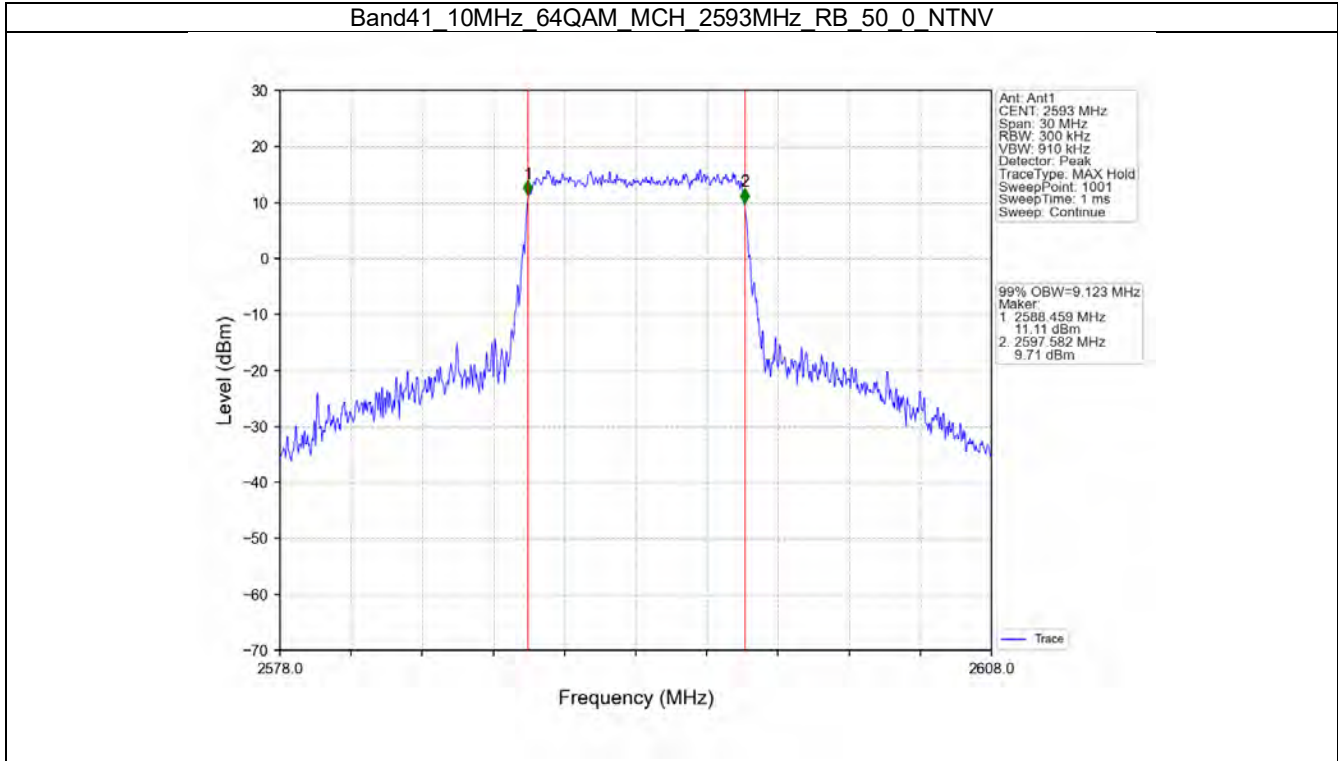


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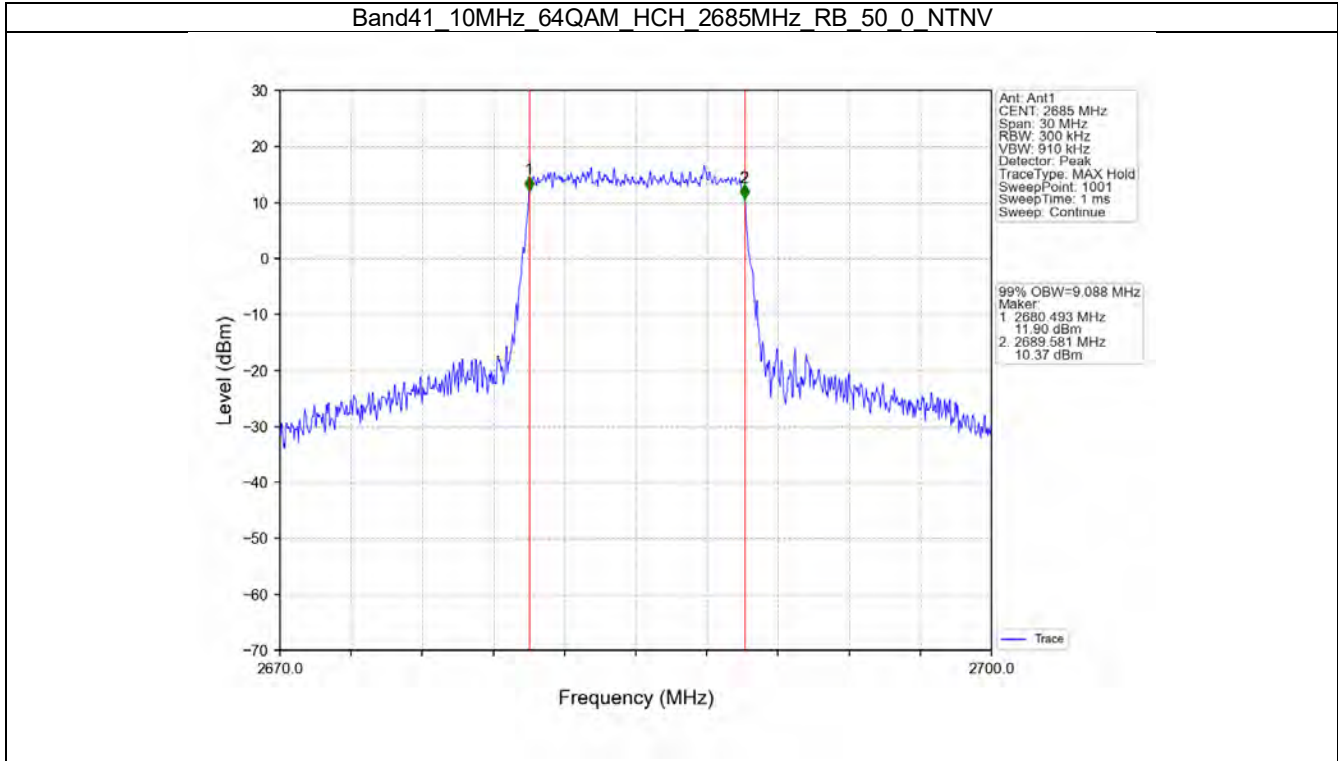


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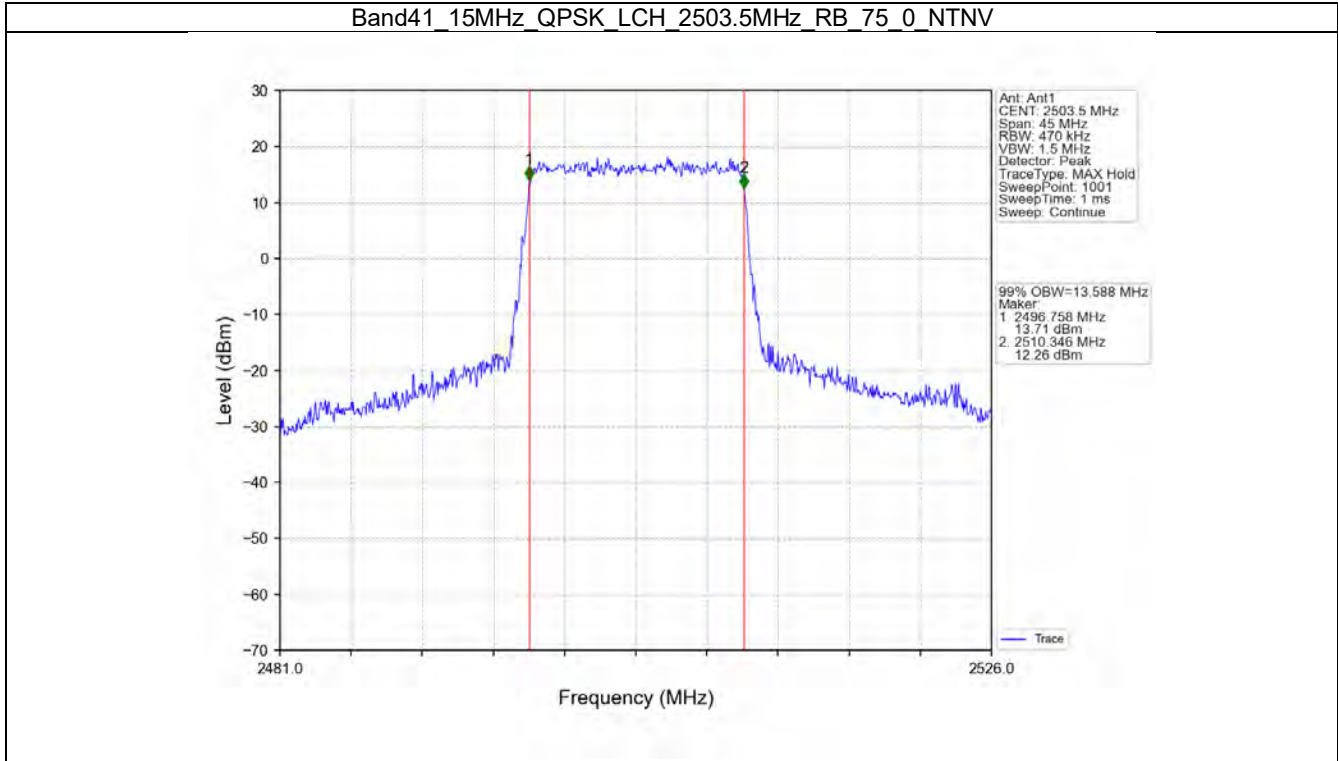


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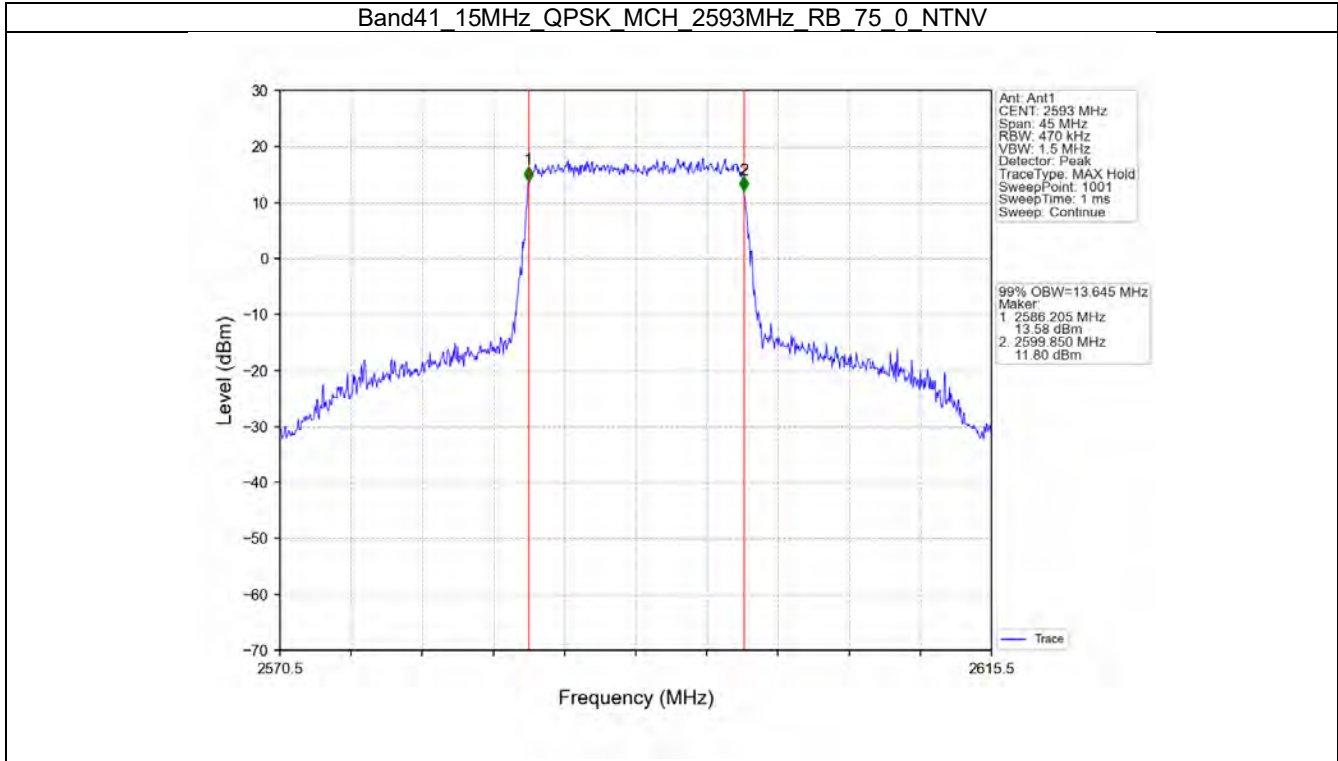


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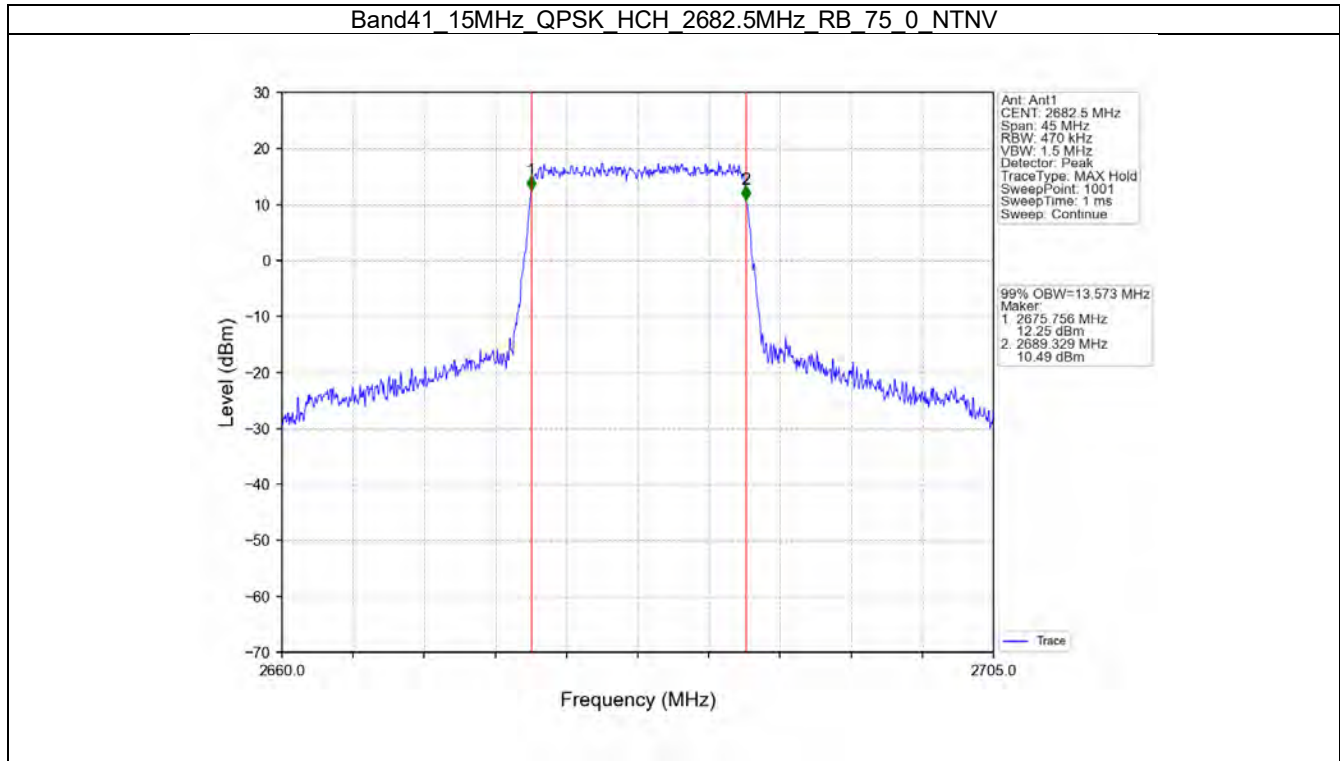


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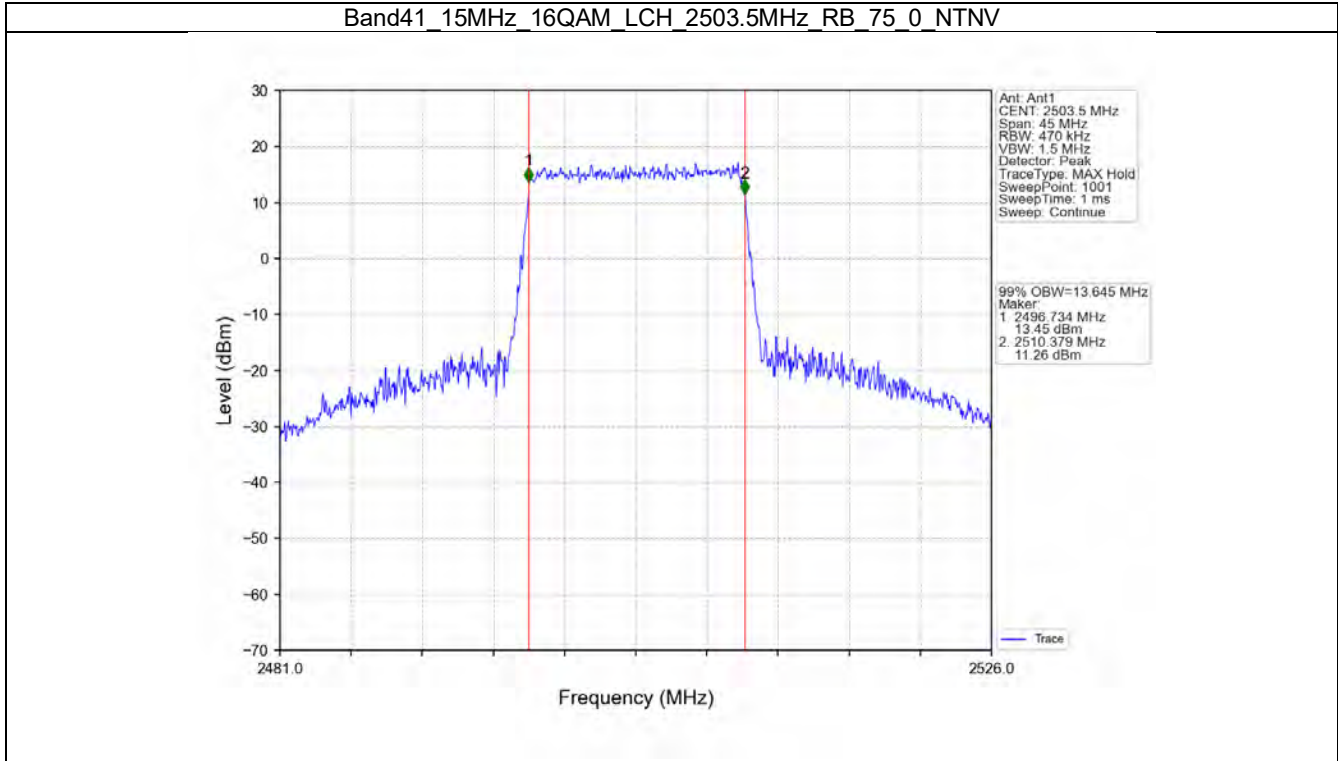


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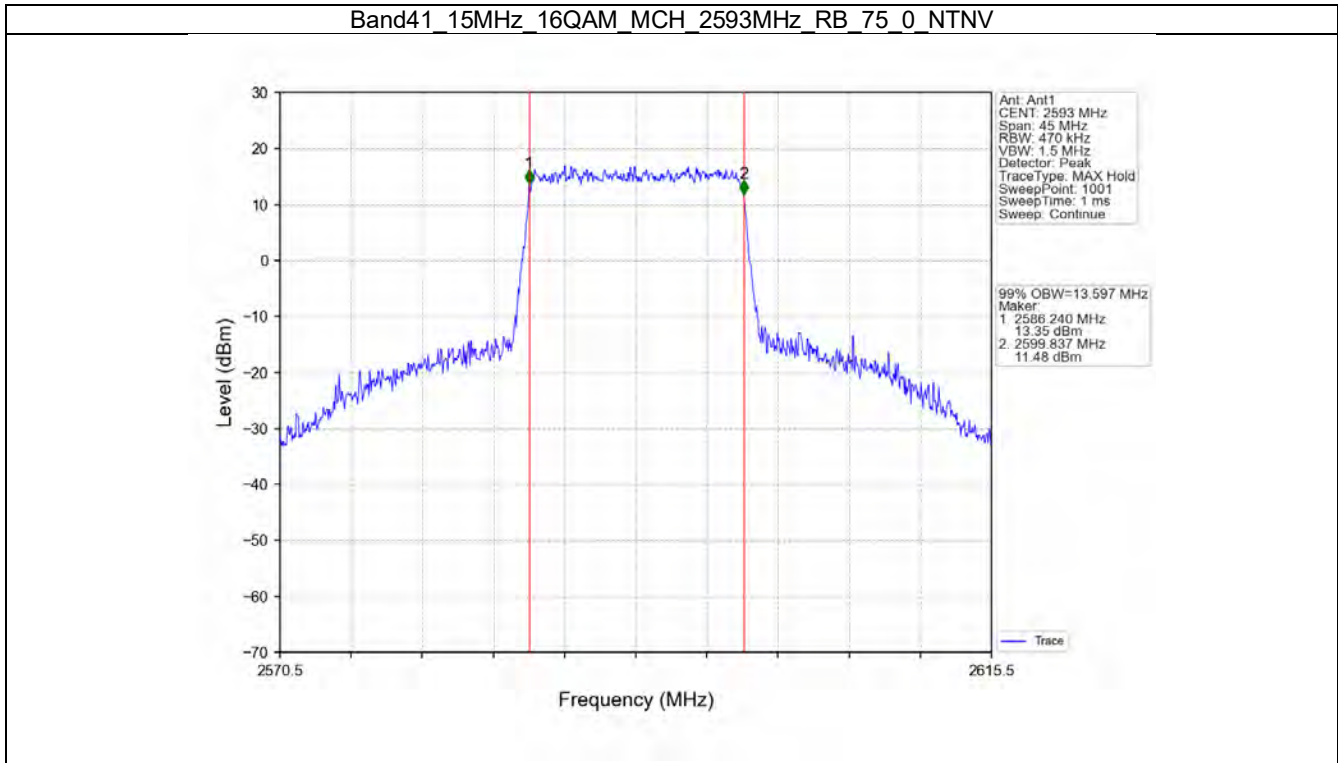


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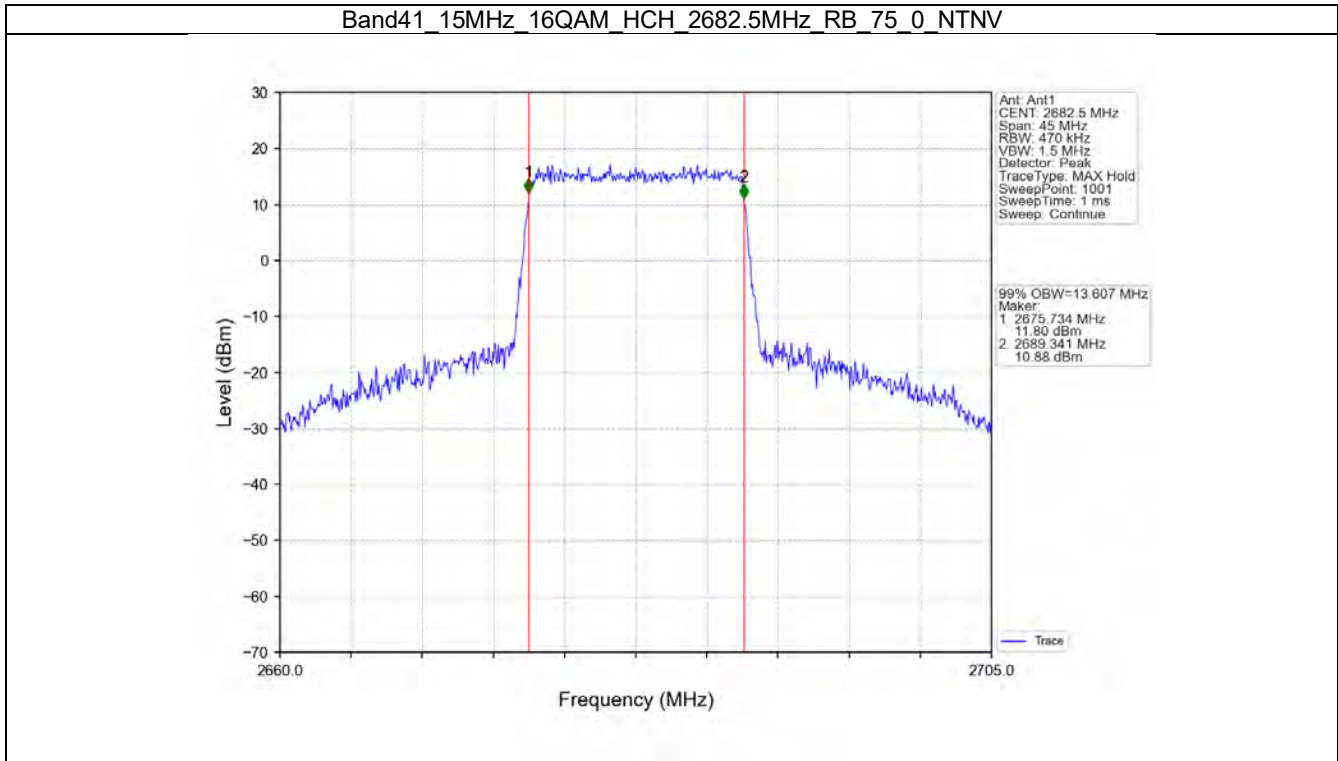


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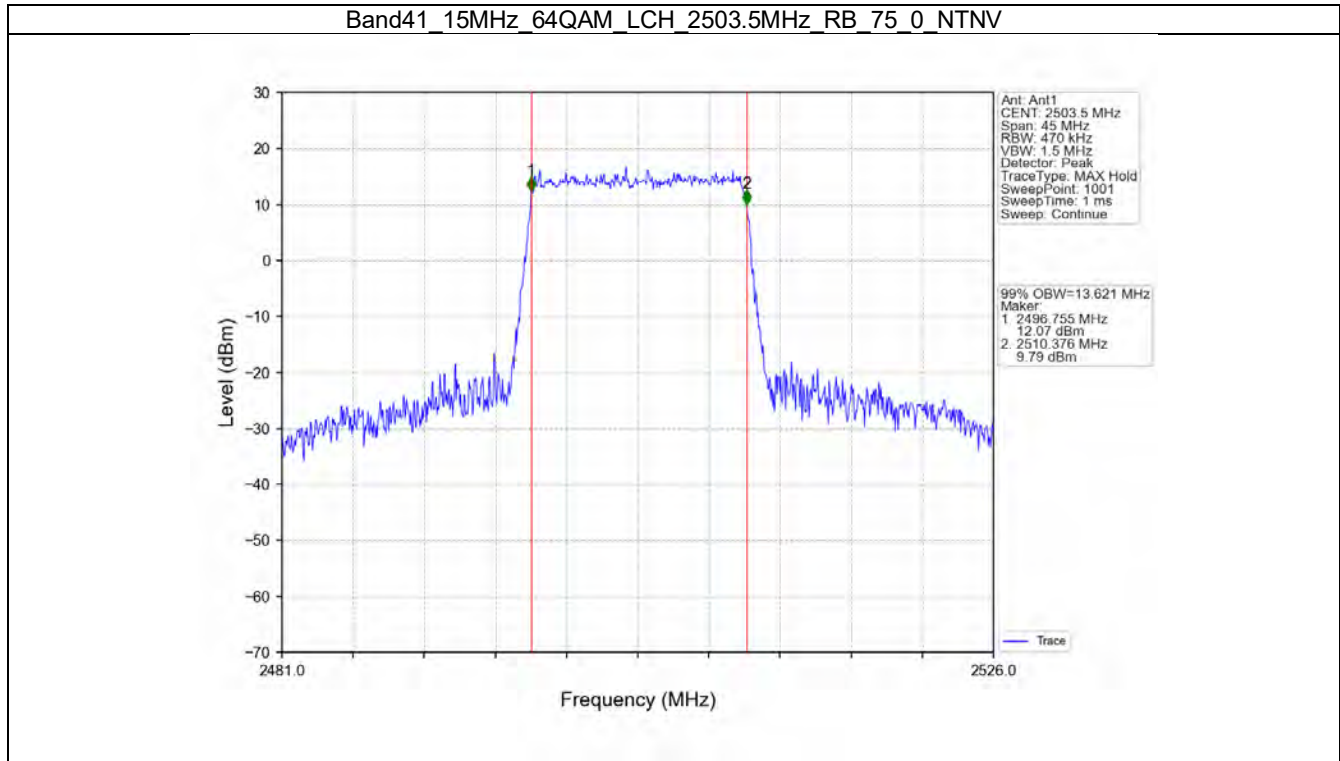


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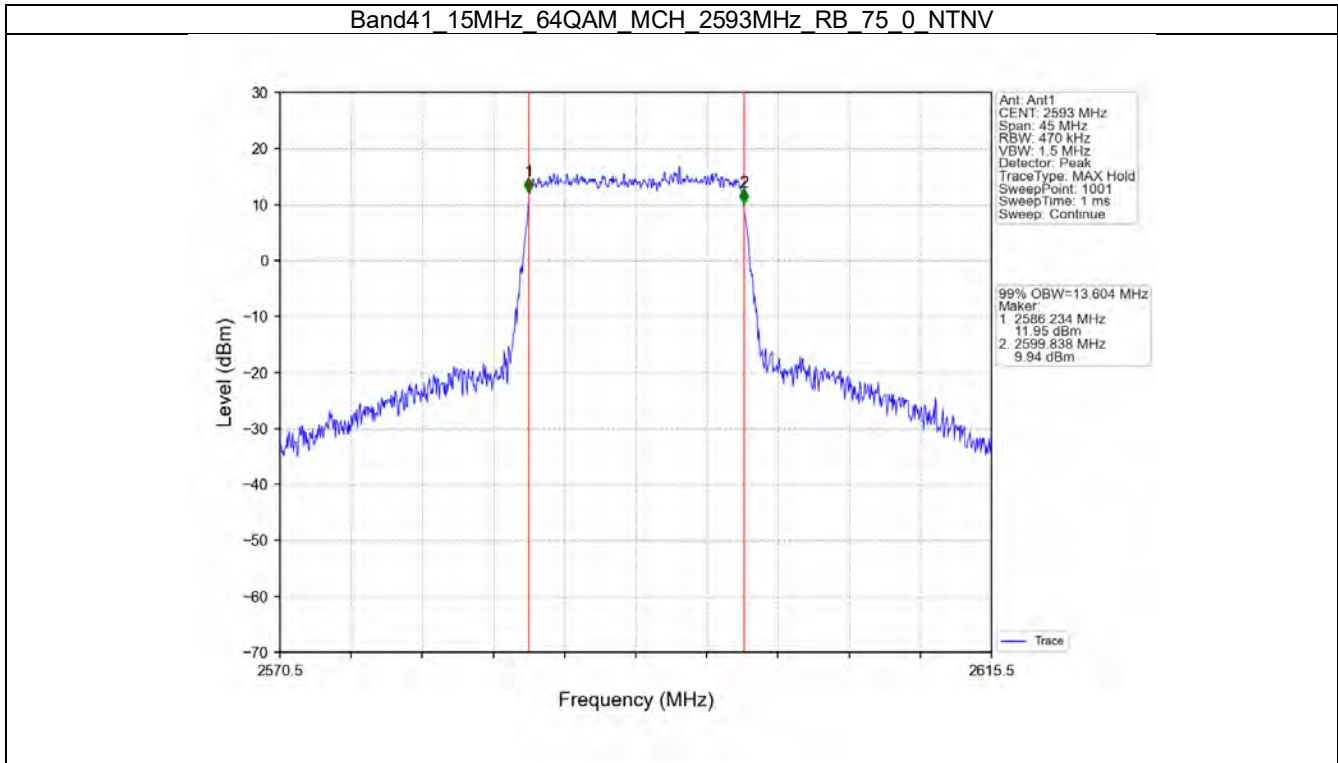


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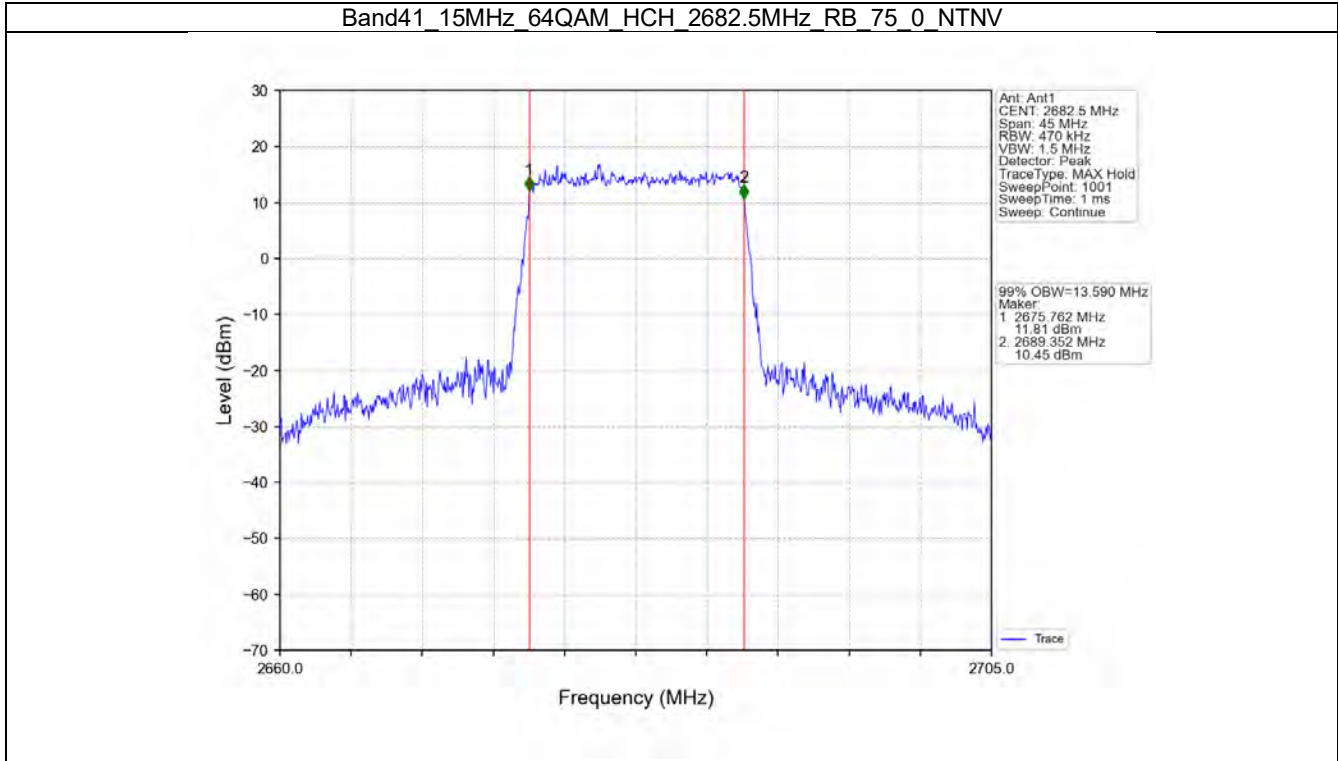


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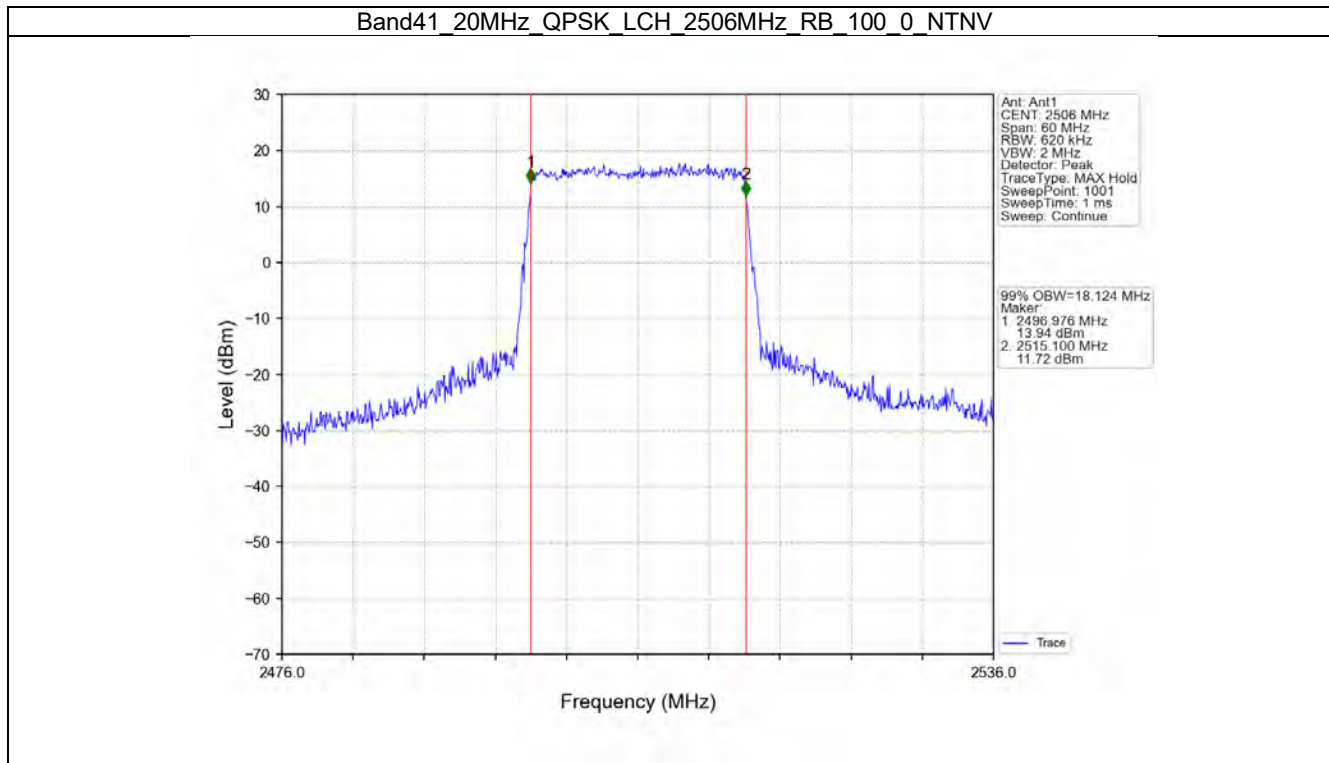
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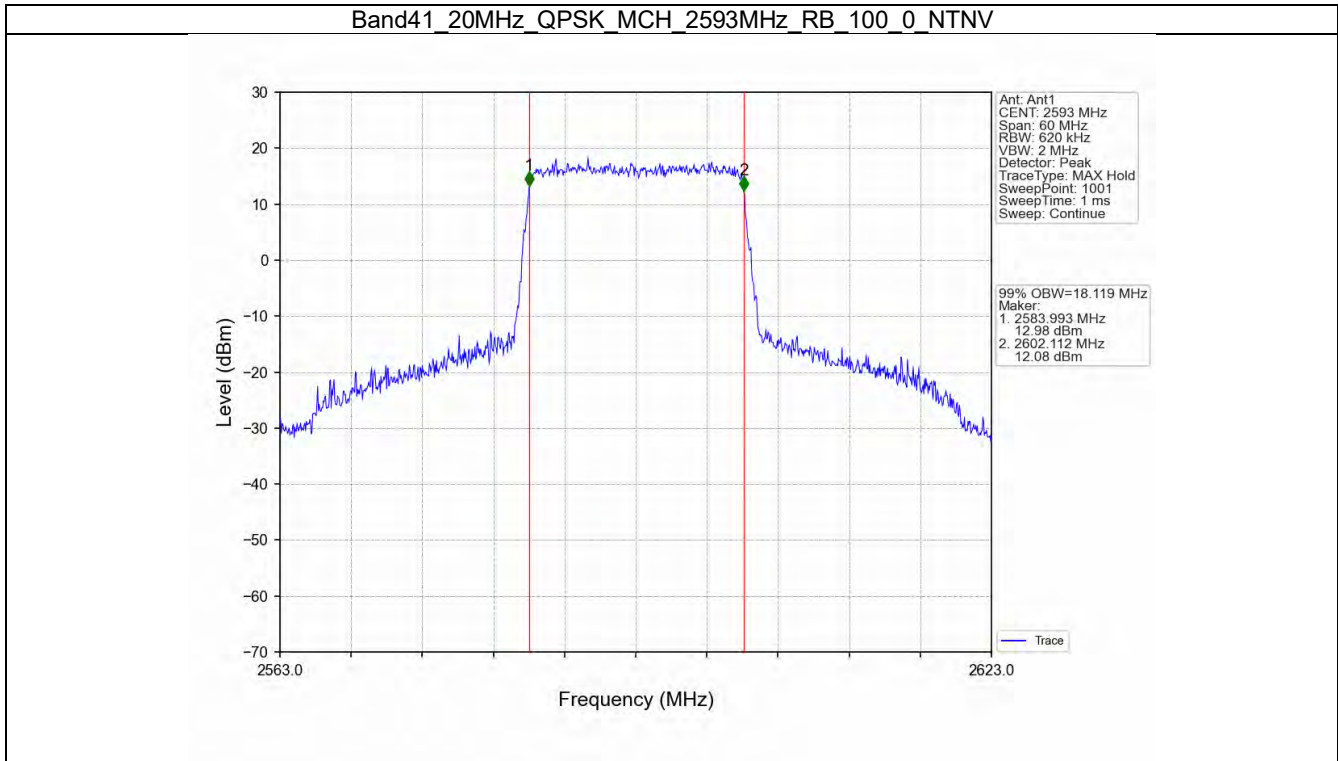


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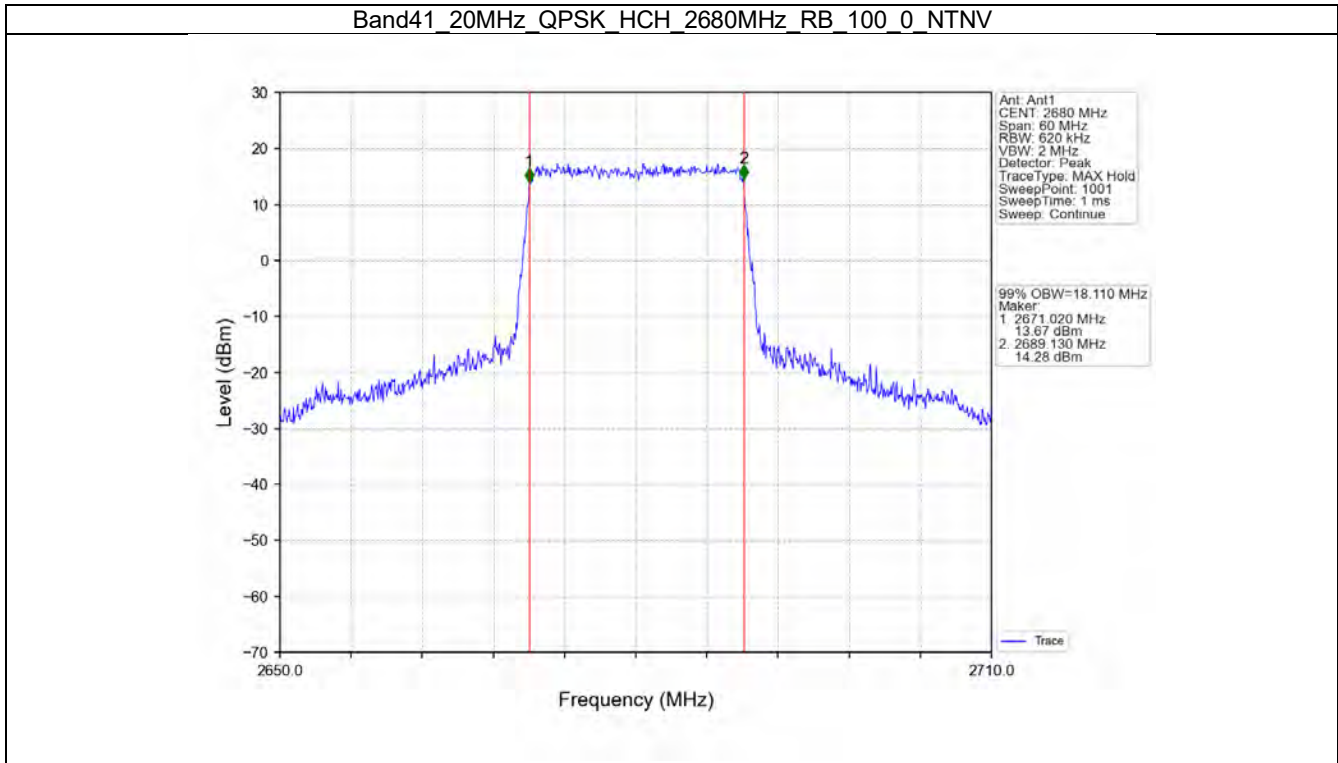


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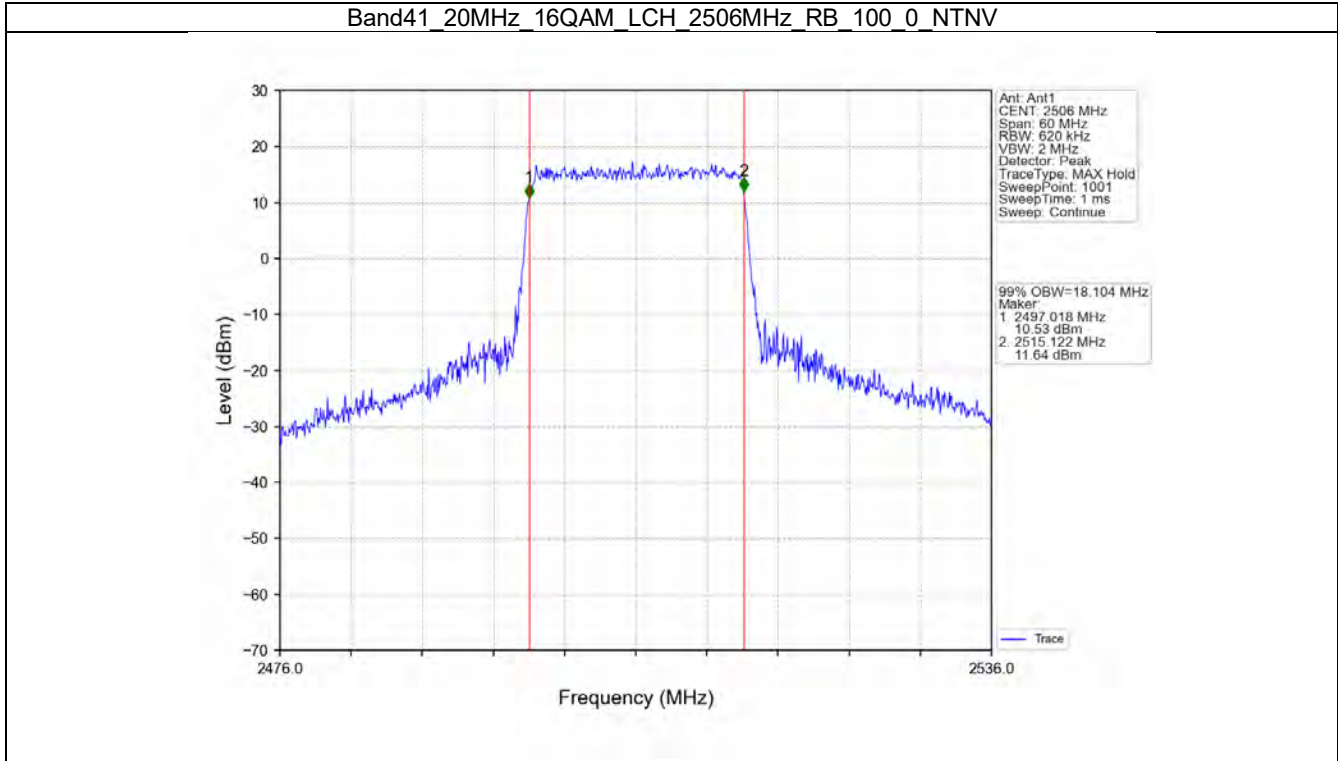


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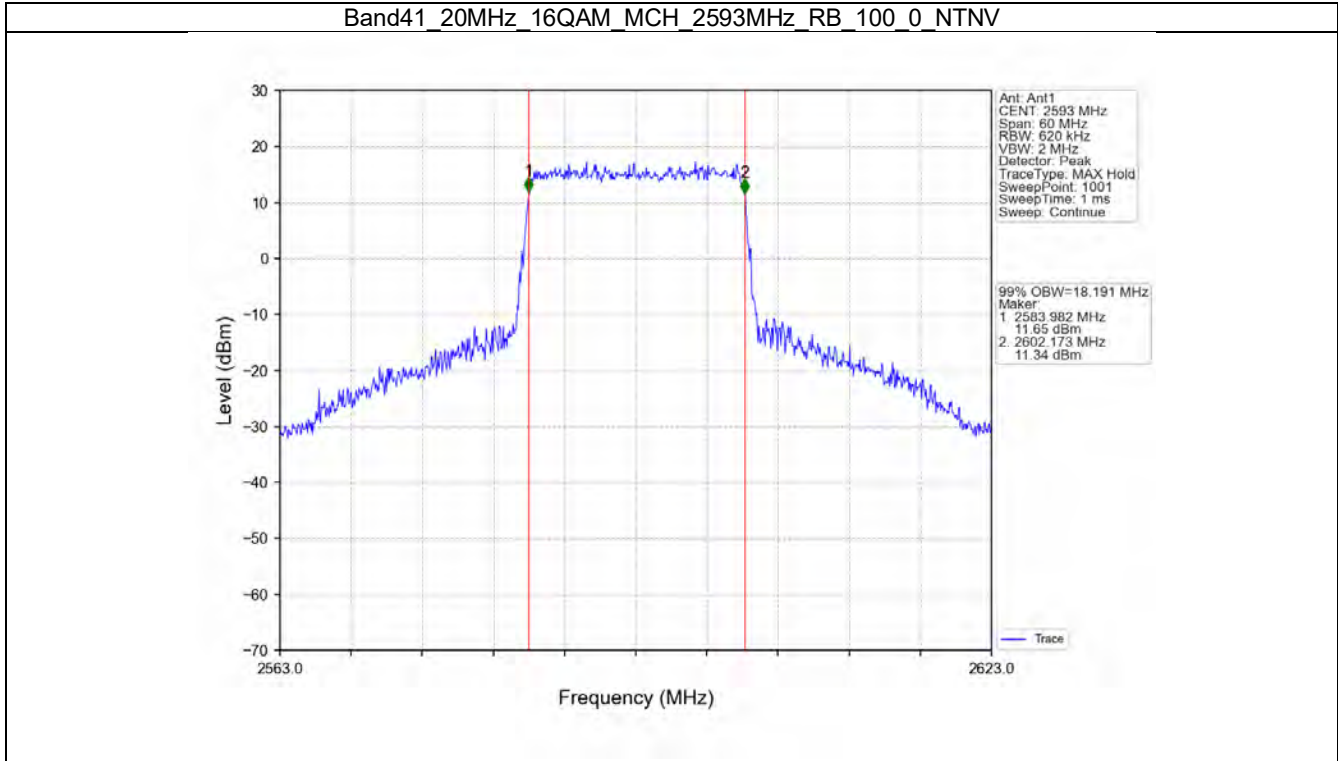


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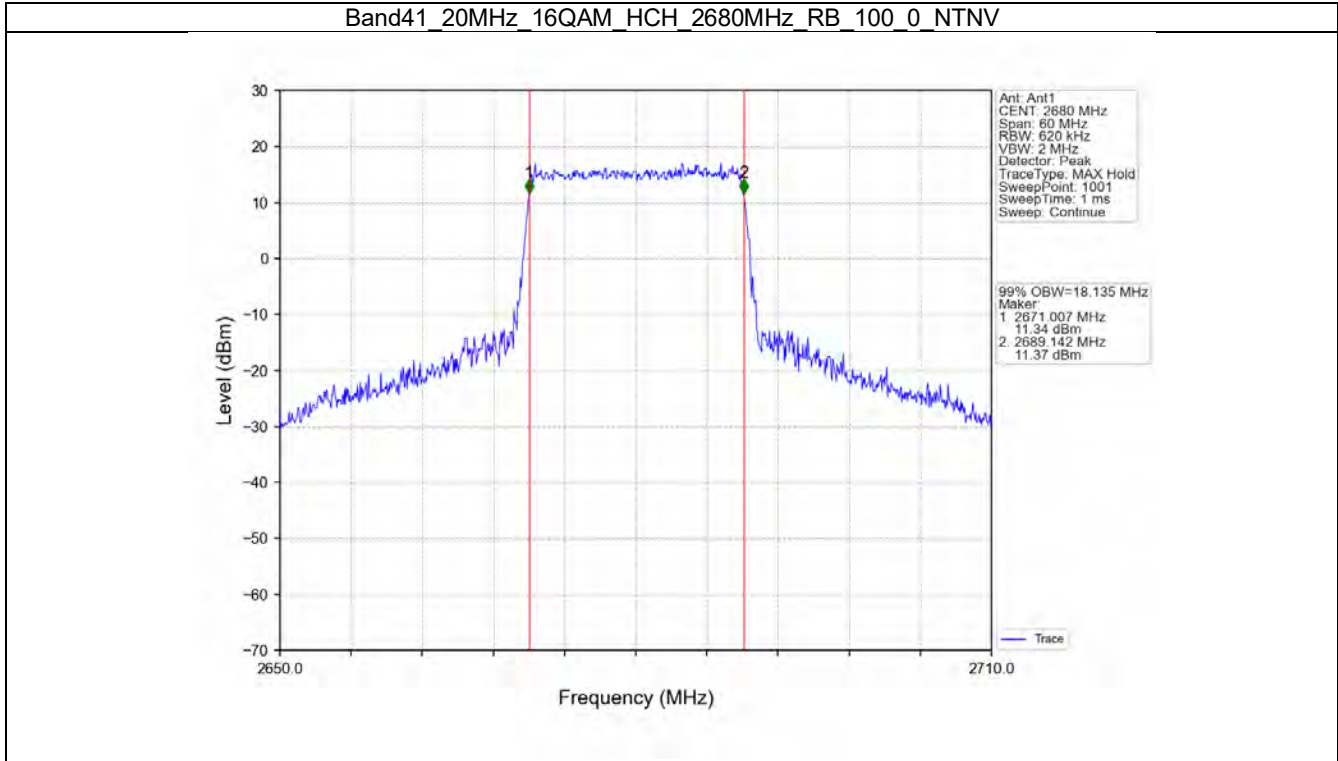


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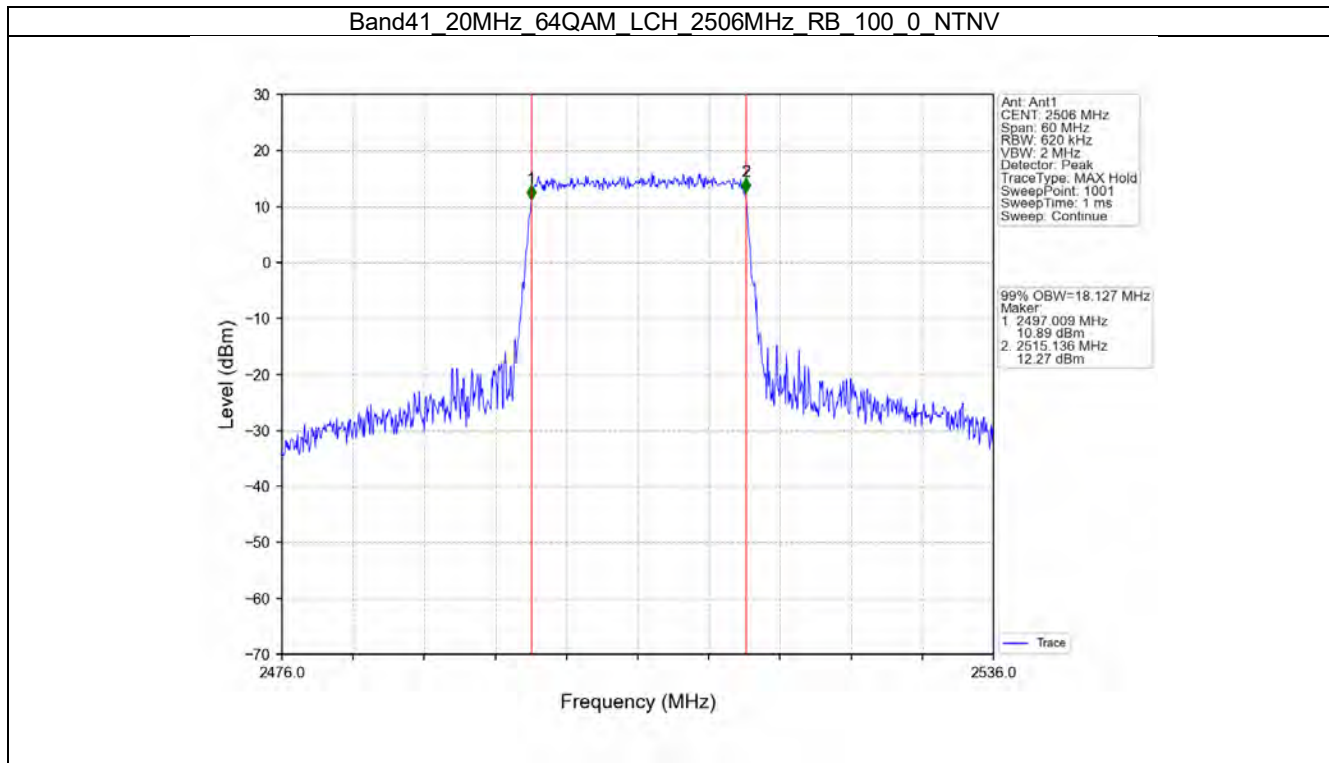
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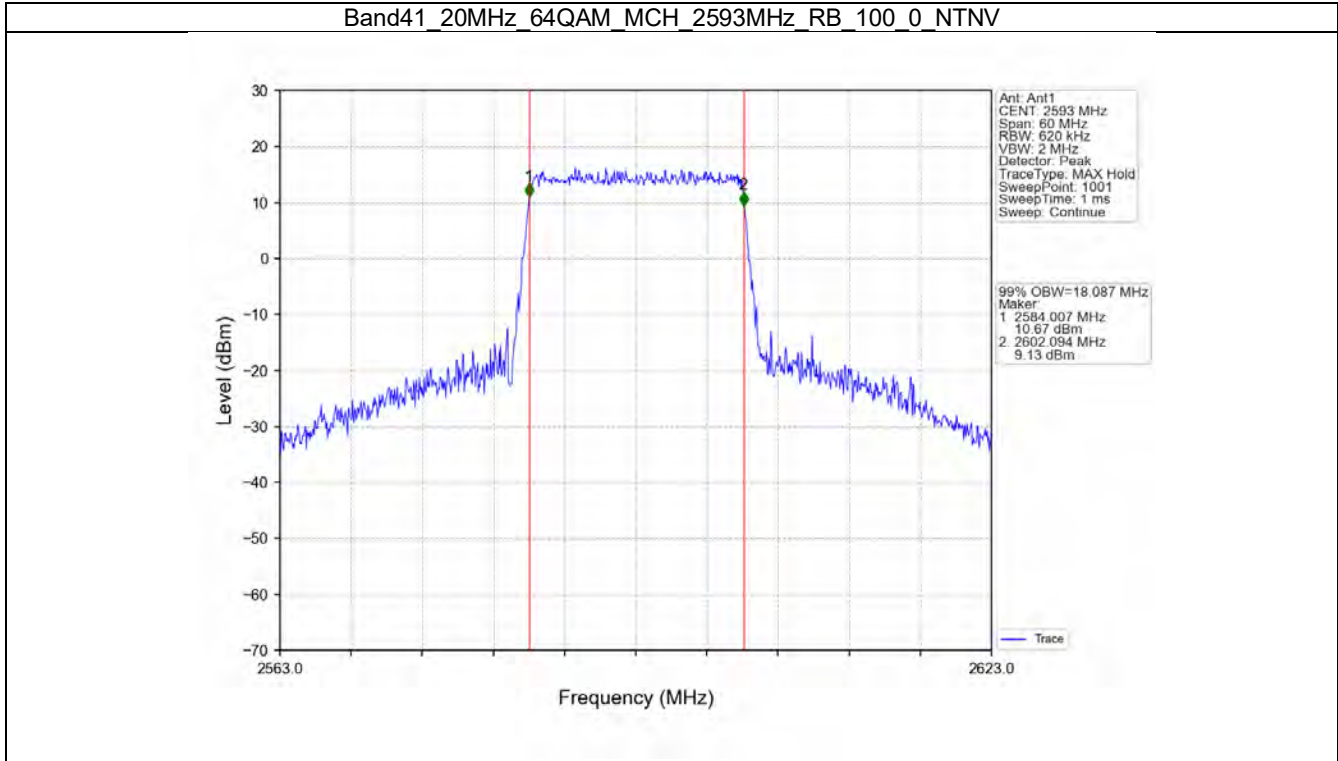


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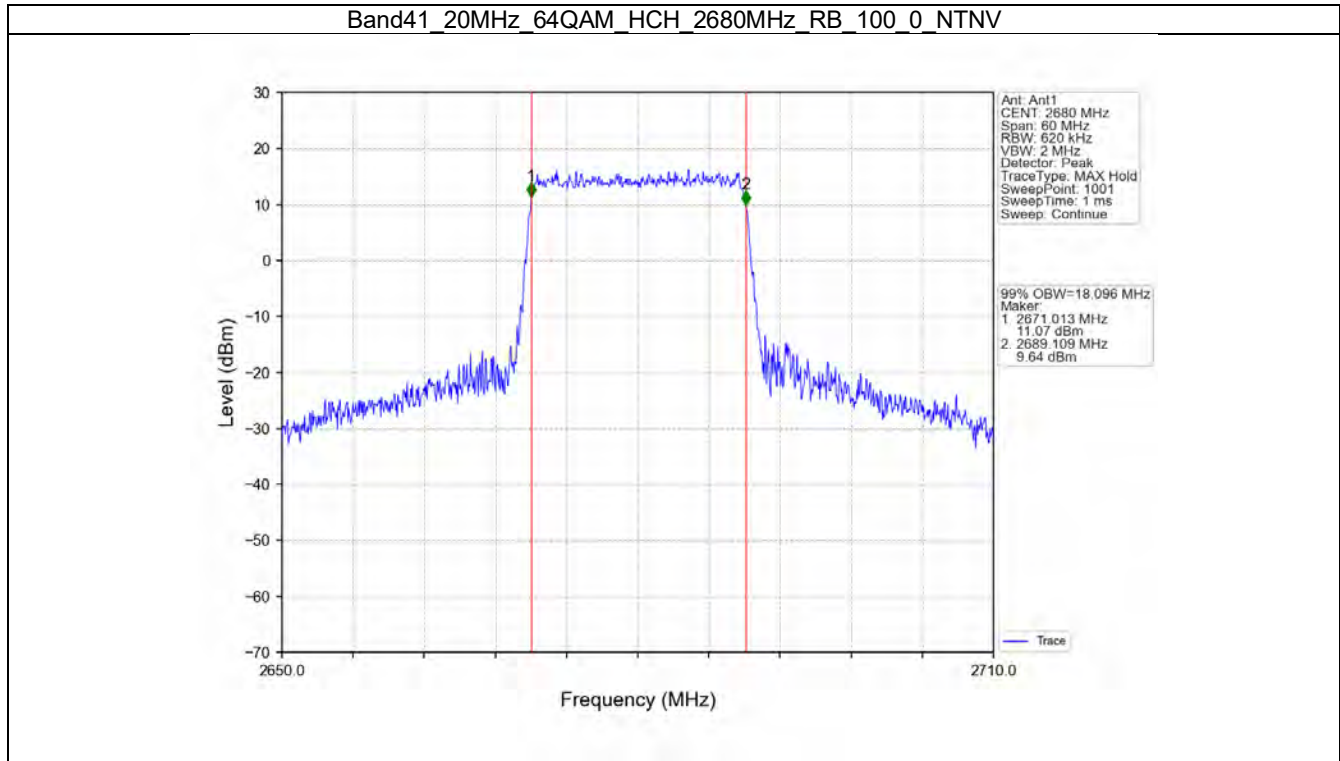


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## 3.2 Band41\_XDB

### 3.2.1 Test Result

Band: 41 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.213	/	Pass
		2593	25	0	5.260	/	Pass
		2687.5	25	0	5.265	/	Pass
	16QAM	2498.5	25	0	5.269	/	Pass
		2593	25	0	5.254	/	Pass
		2687.5	25	0	5.159	/	Pass
	64QAM	2498.5	25	0	5.216	/	Pass
		2593	25	0	5.266	/	Pass
		2687.5	25	0	5.207	/	Pass
10	QPSK	2501	50	0	10.114	/	Pass
		2593	50	0	10.120	/	Pass
		2685	50	0	10.046	/	Pass
	16QAM	2501	50	0	10.199	/	Pass
		2593	50	0	10.193	/	Pass
		2685	50	0	10.363	/	Pass
	64QAM	2501	50	0	10.187	/	Pass
		2593	50	0	10.243	/	Pass
		2685	50	0	10.212	/	Pass
15	QPSK	2503.5	75	0	15.196	/	Pass
		2593	75	0	15.119	/	Pass
		2682.5	75	0	15.151	/	Pass
	16QAM	2503.5	75	0	15.083	/	Pass
		2593	75	0	15.182	/	Pass
		2682.5	75	0	15.081	/	Pass
	64QAM	2503.5	75	0	15.070	/	Pass
		2593	75	0	15.275	/	Pass
		2682.5	75	0	15.244	/	Pass
20	QPSK	2506	100	0	20.029	/	Pass
		2593	100	0	20.077	/	Pass
		2680	100	0	20.019	/	Pass
	16QAM	2506	100	0	20.261	/	Pass
		2593	100	0	20.060	/	Pass
		2680	100	0	20.146	/	Pass
	64QAM	2506	100	0	19.957	/	Pass
		2593	100	0	20.260	/	Pass
		2680	100	0	19.972	/	Pass



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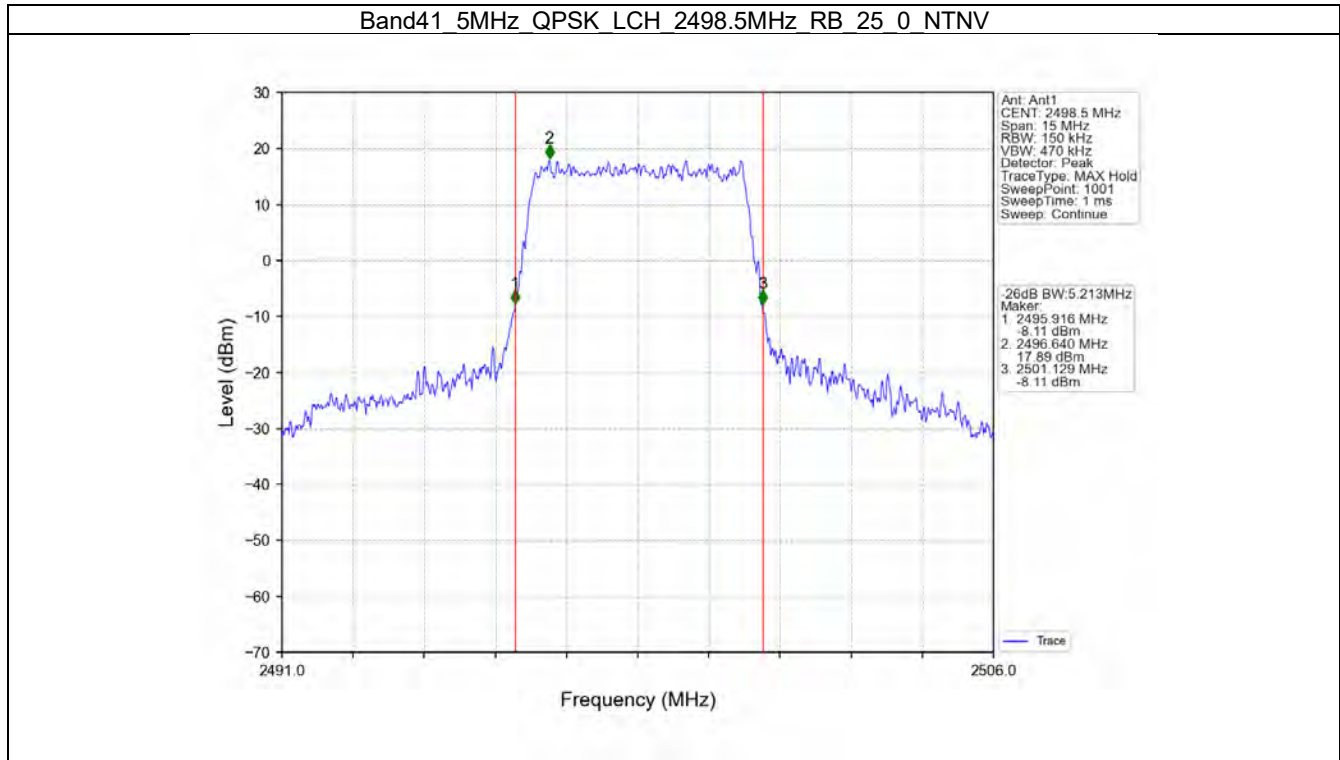
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3.2.2 Test Graph



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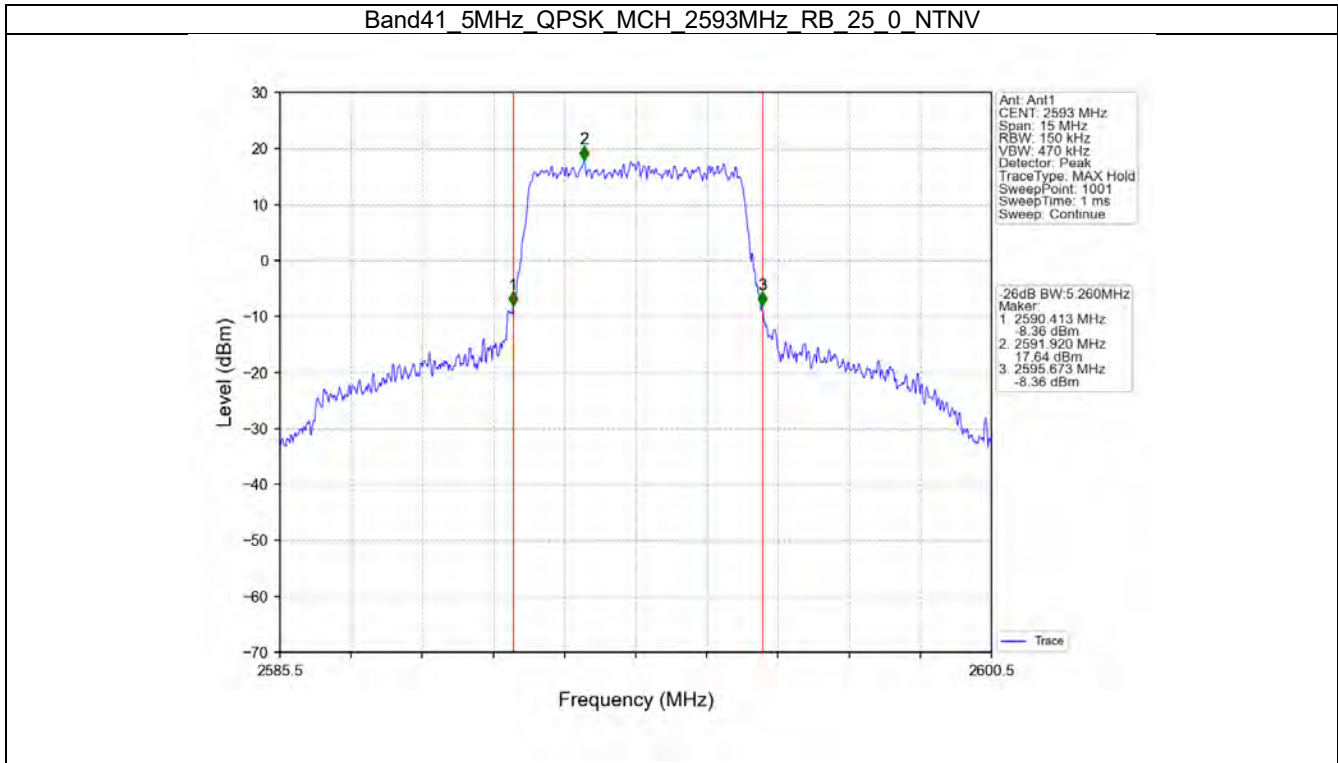


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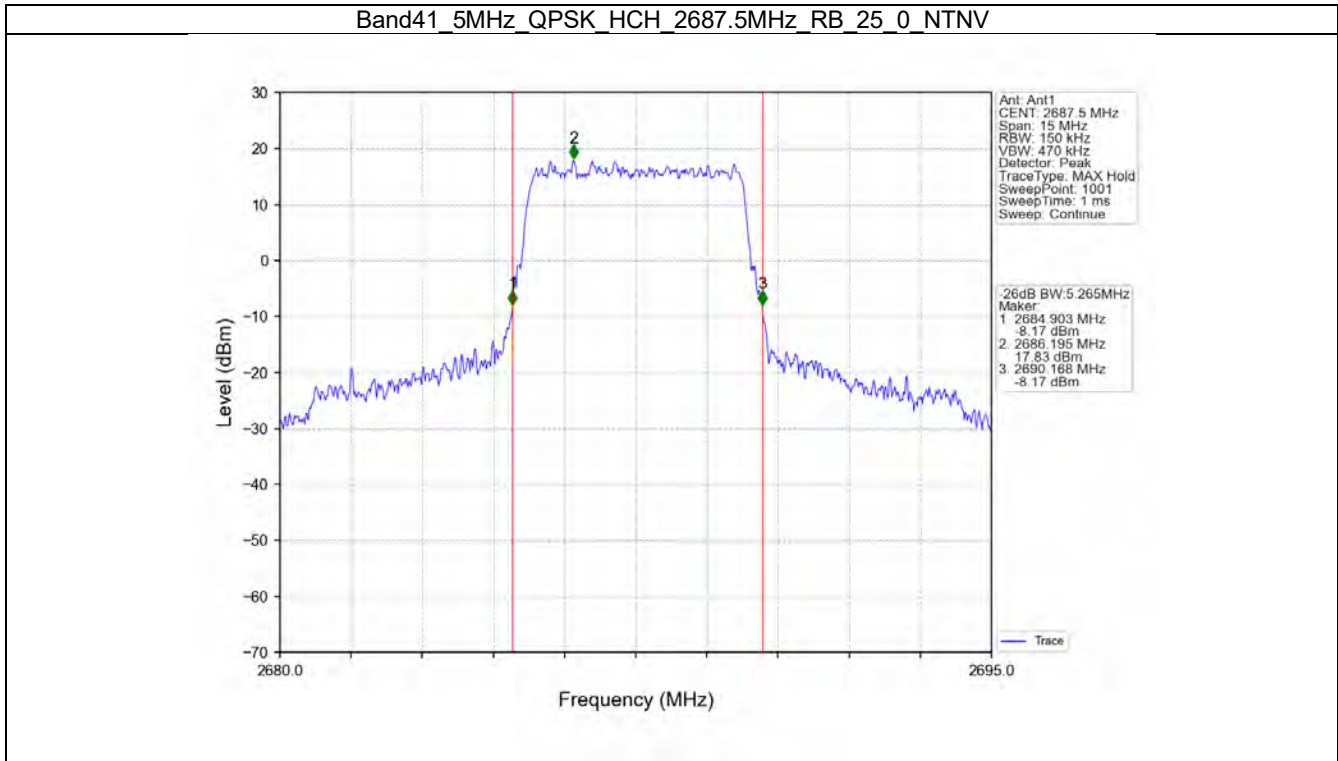


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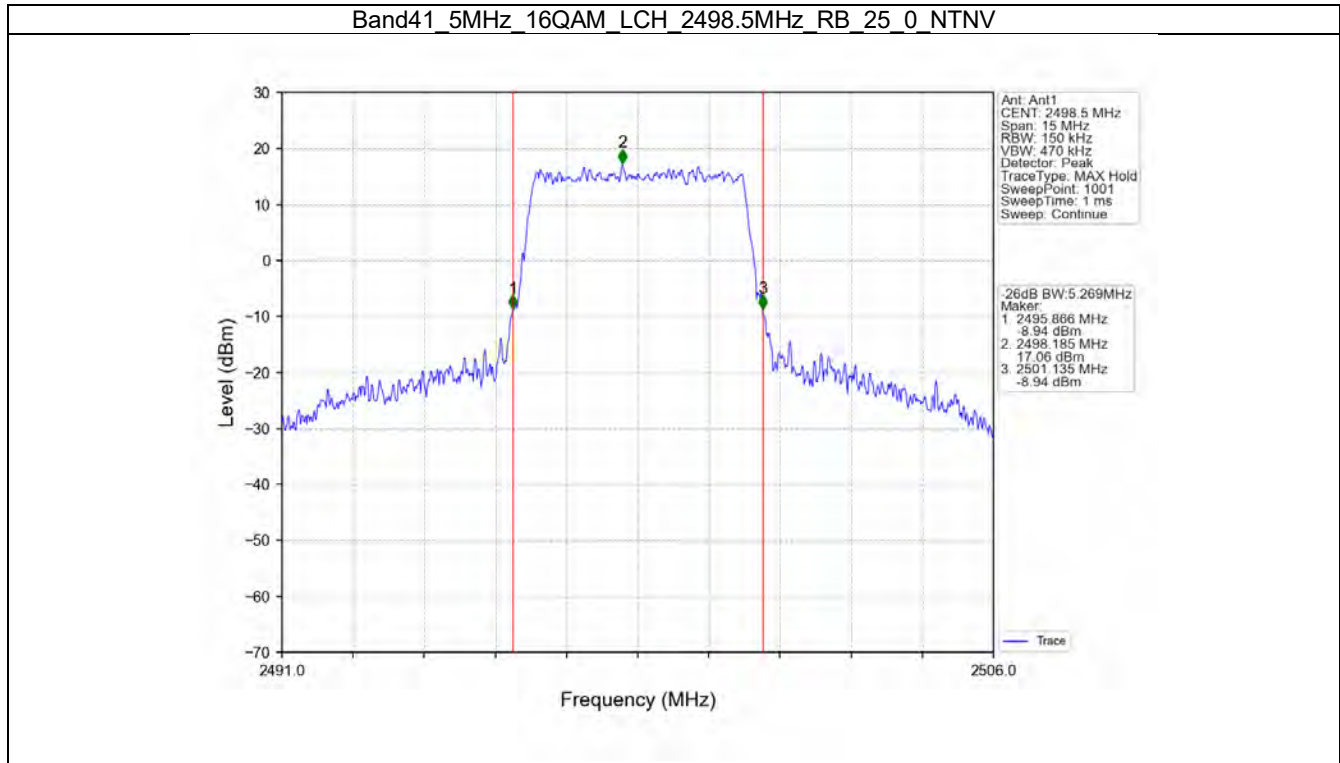


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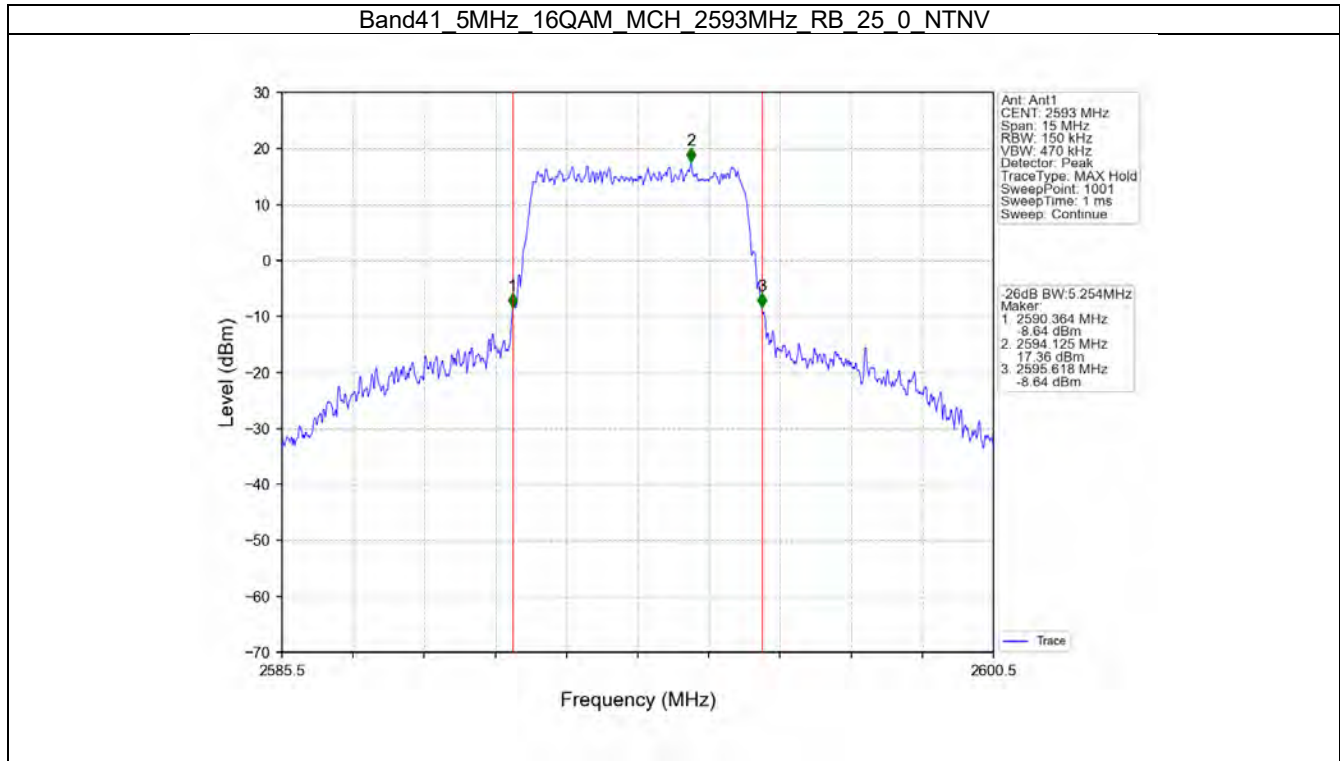


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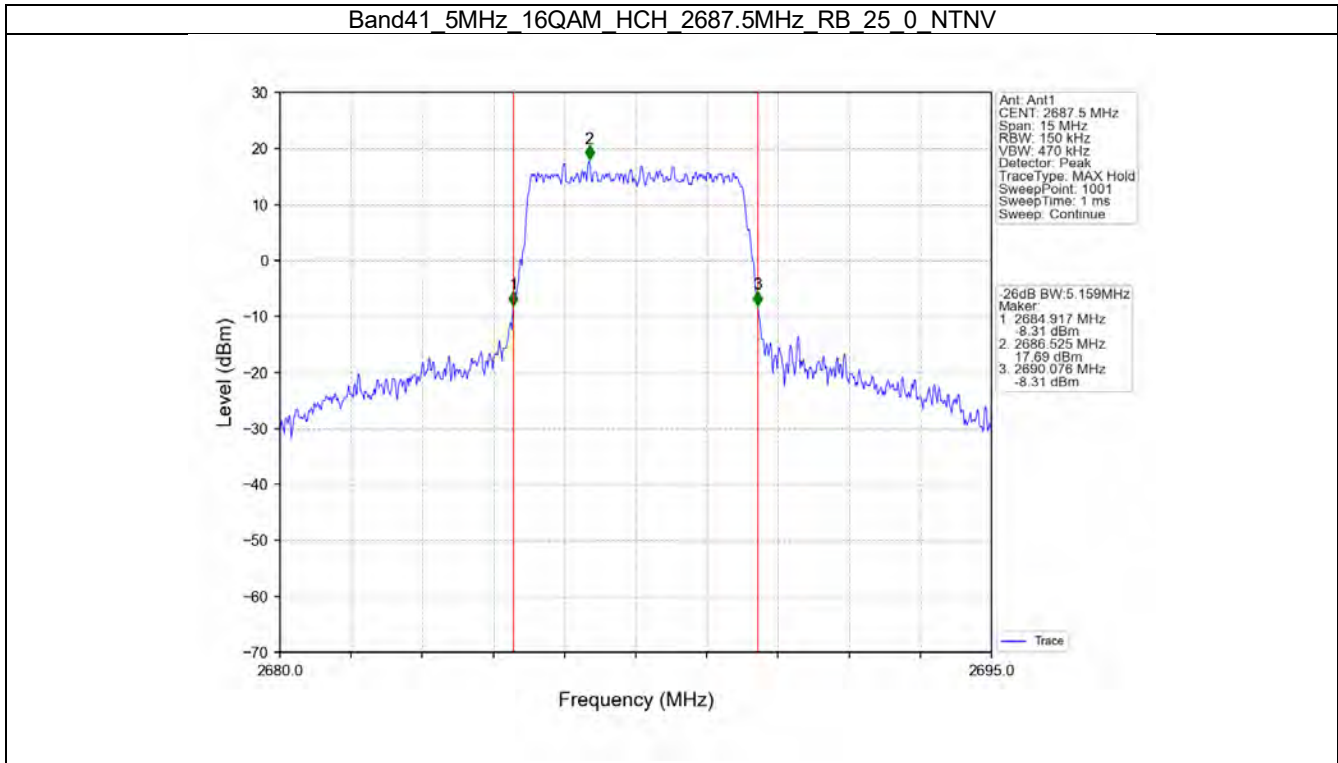


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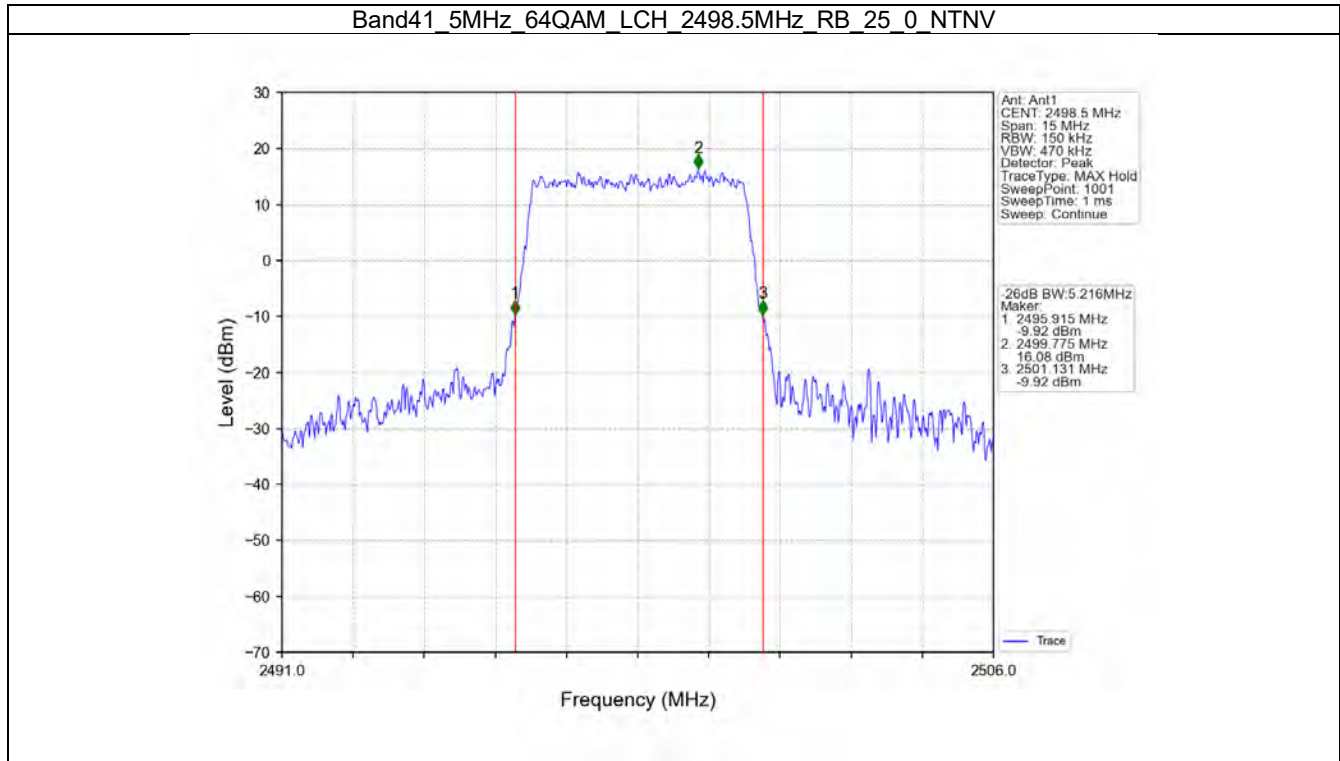


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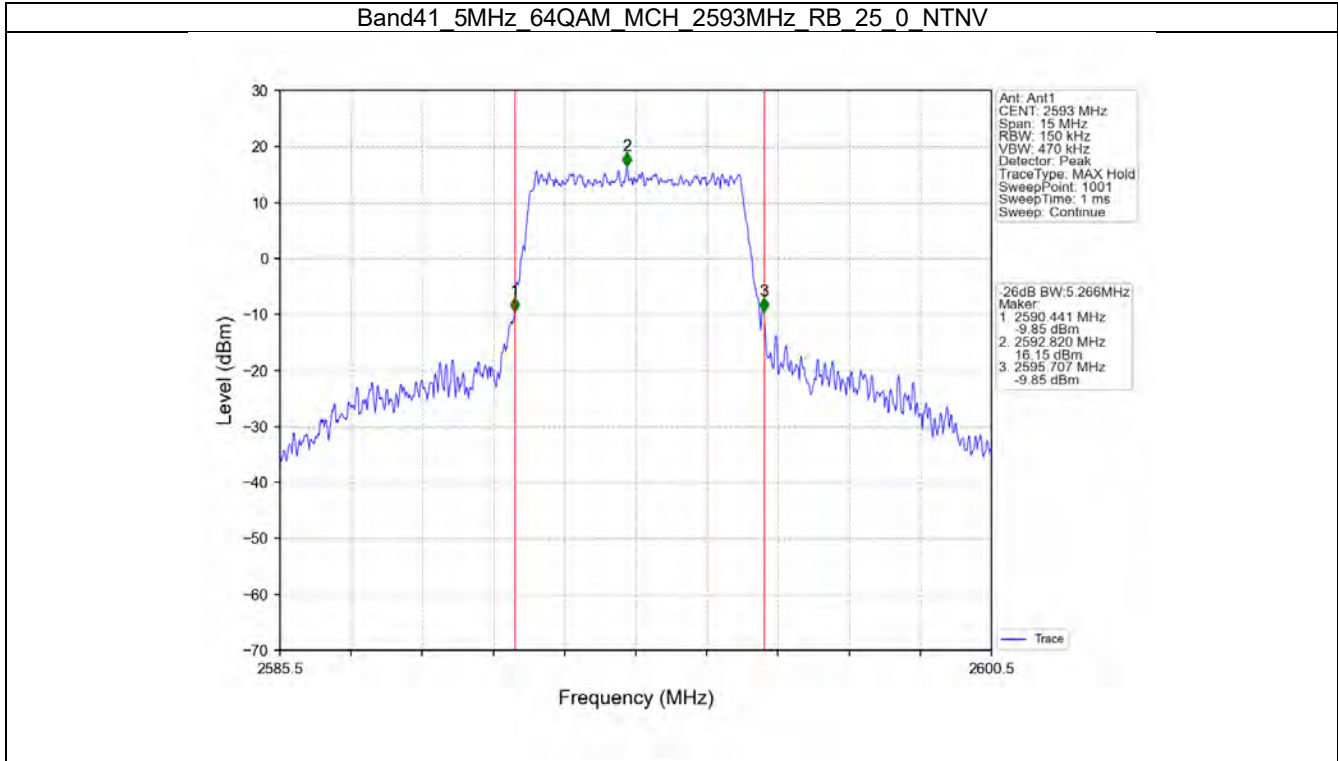


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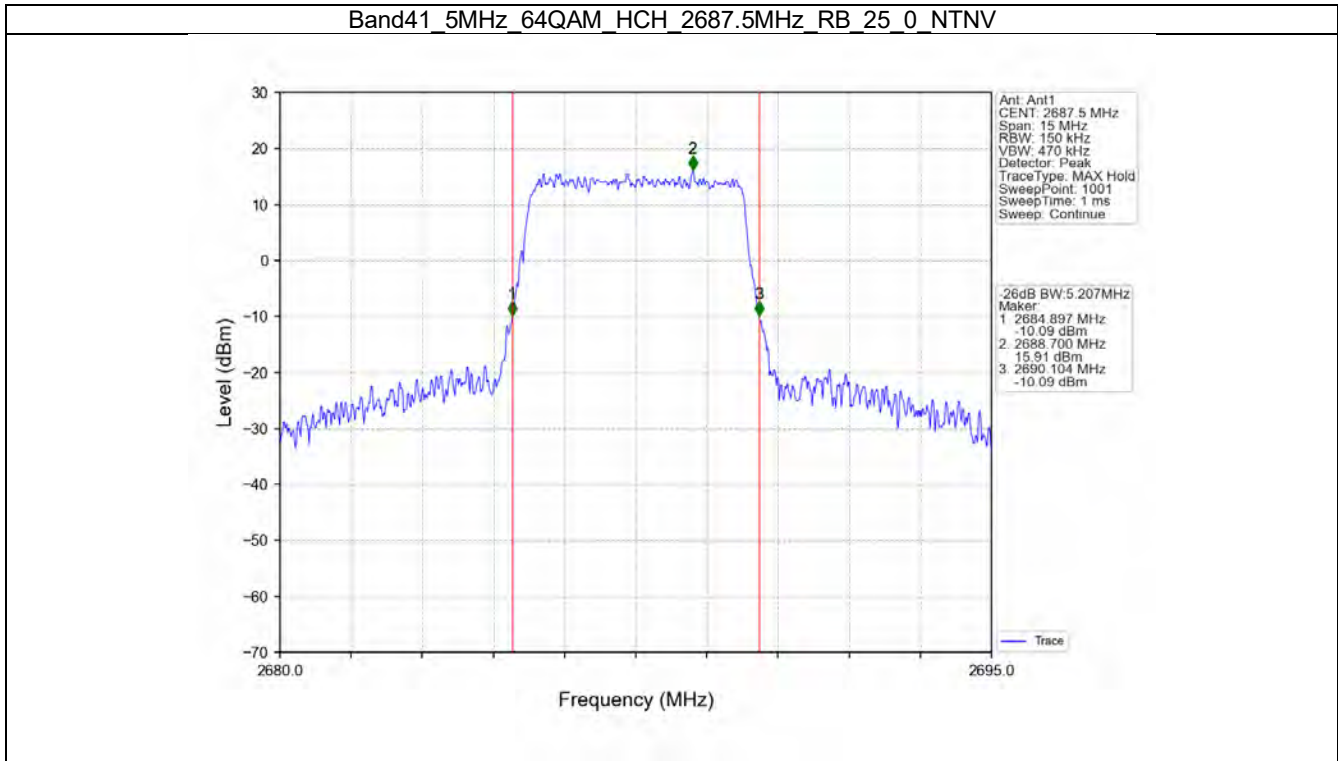


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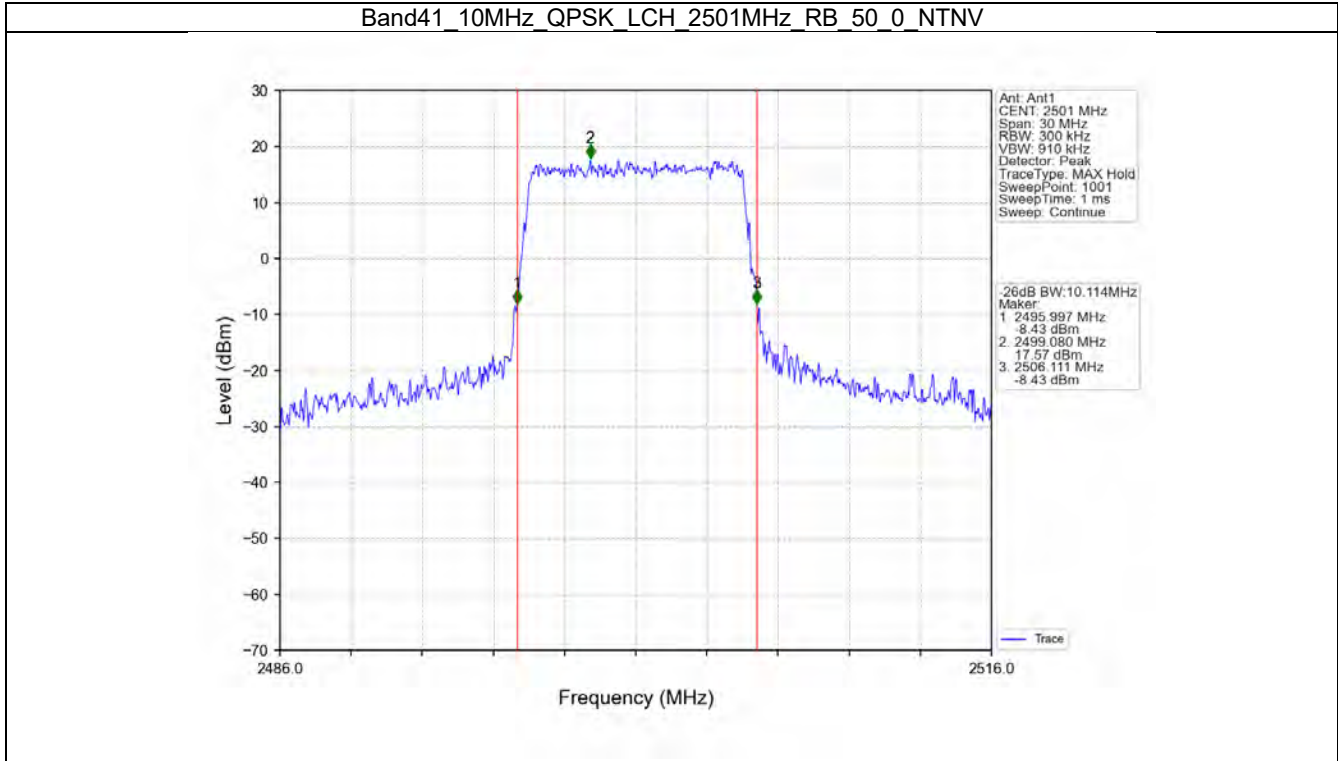


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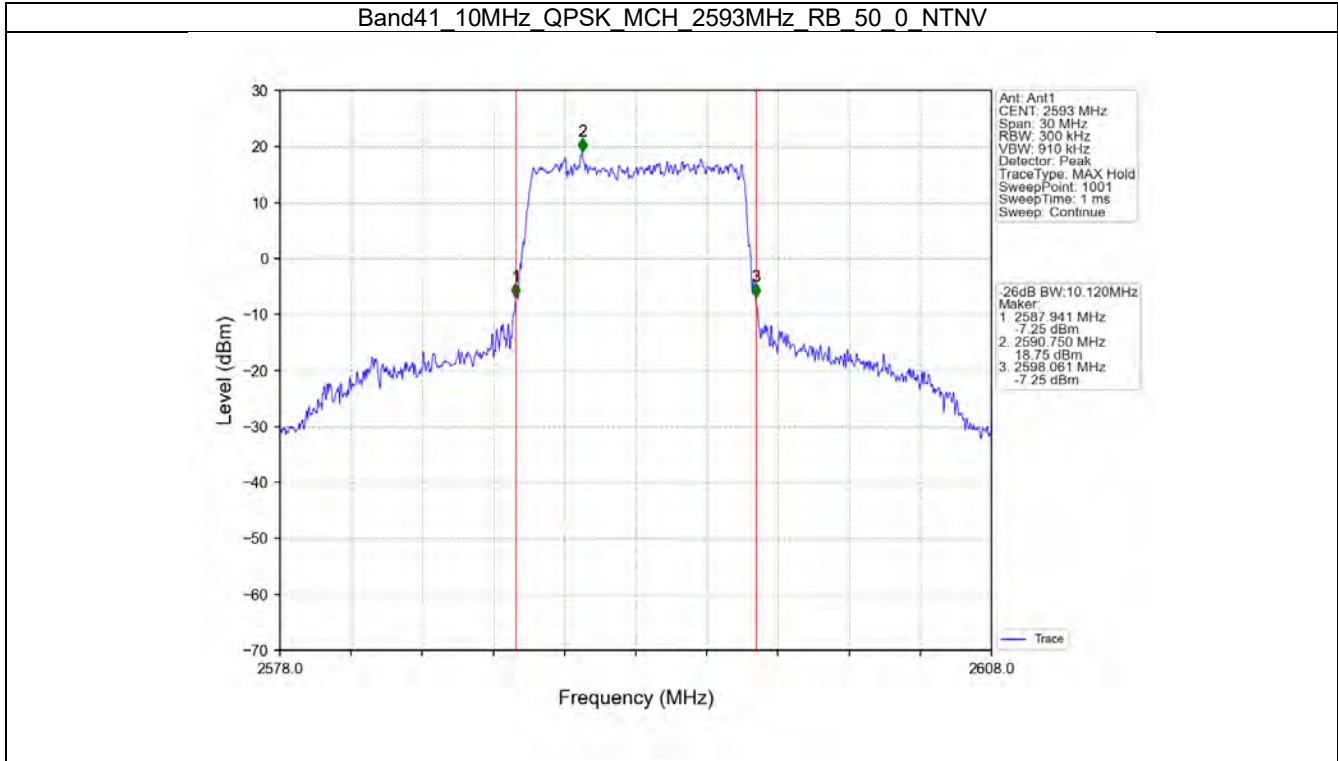


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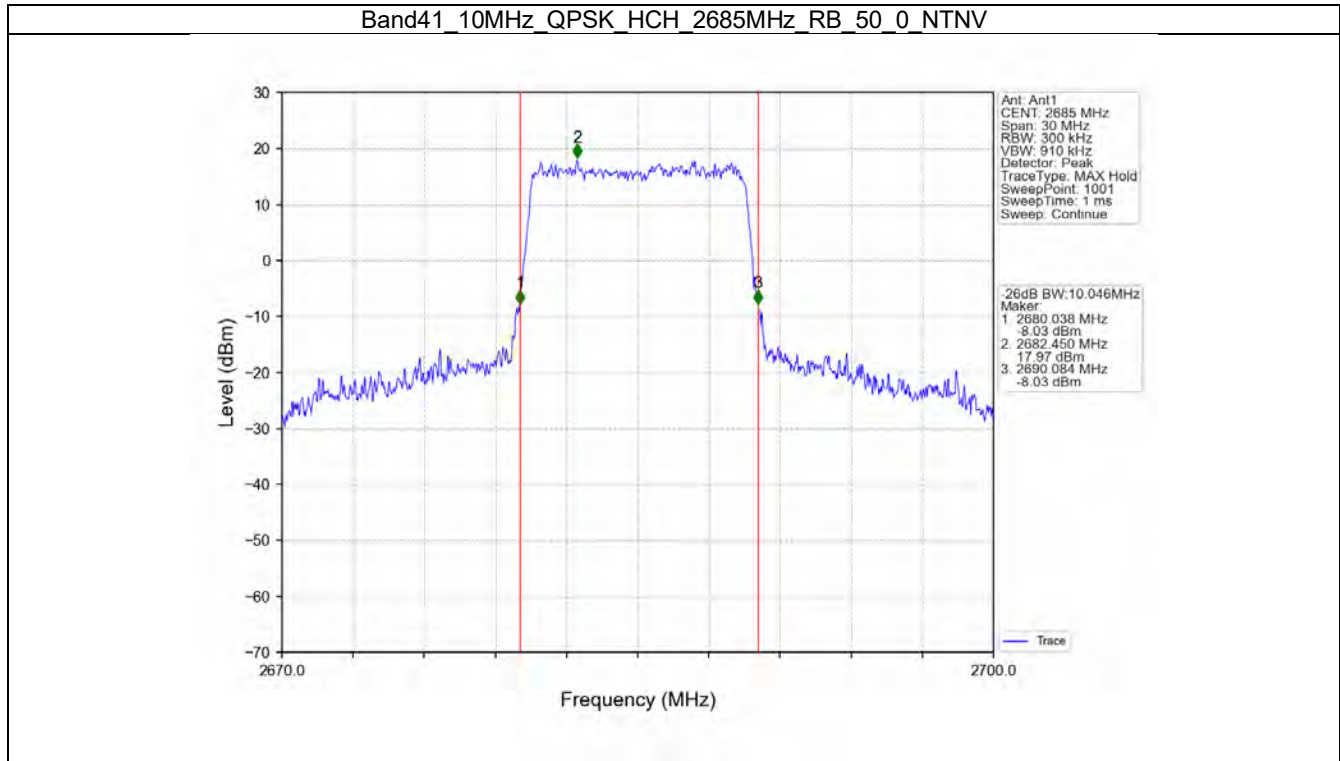


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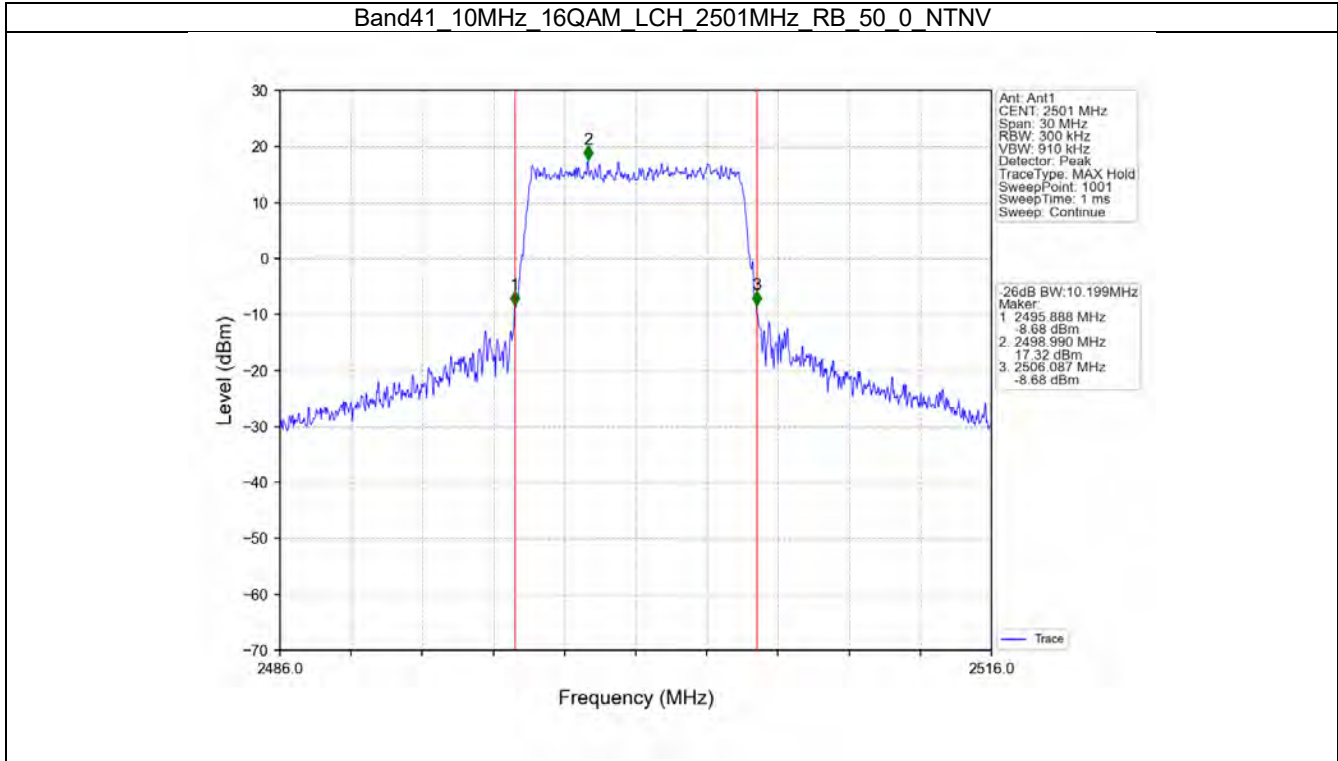


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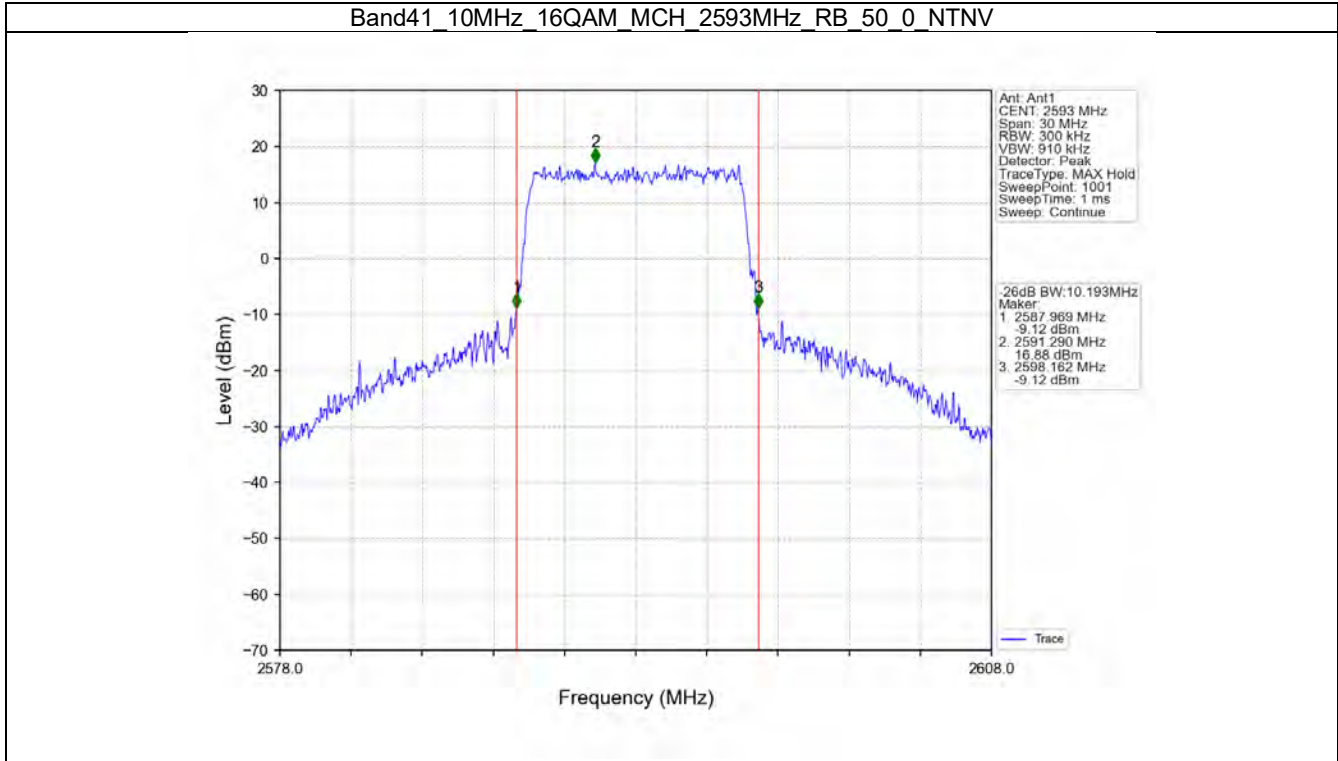


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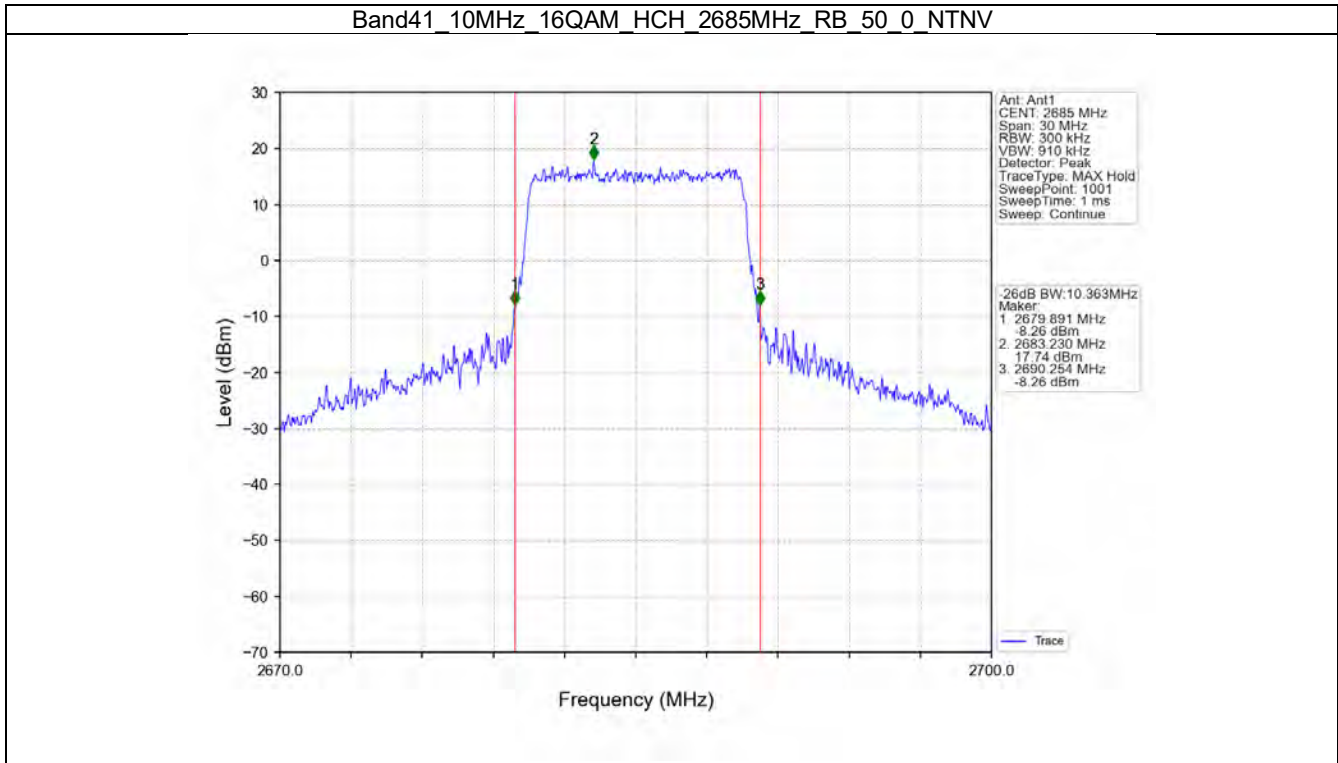


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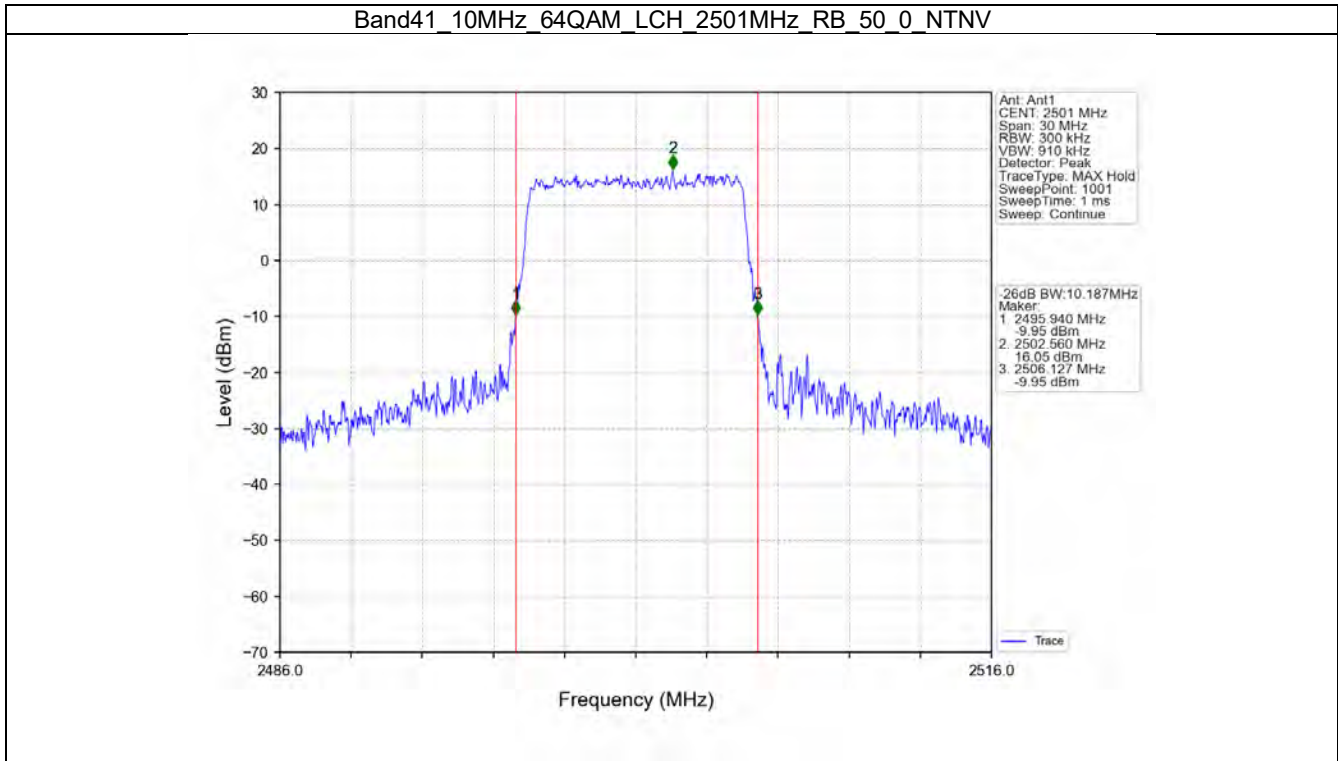


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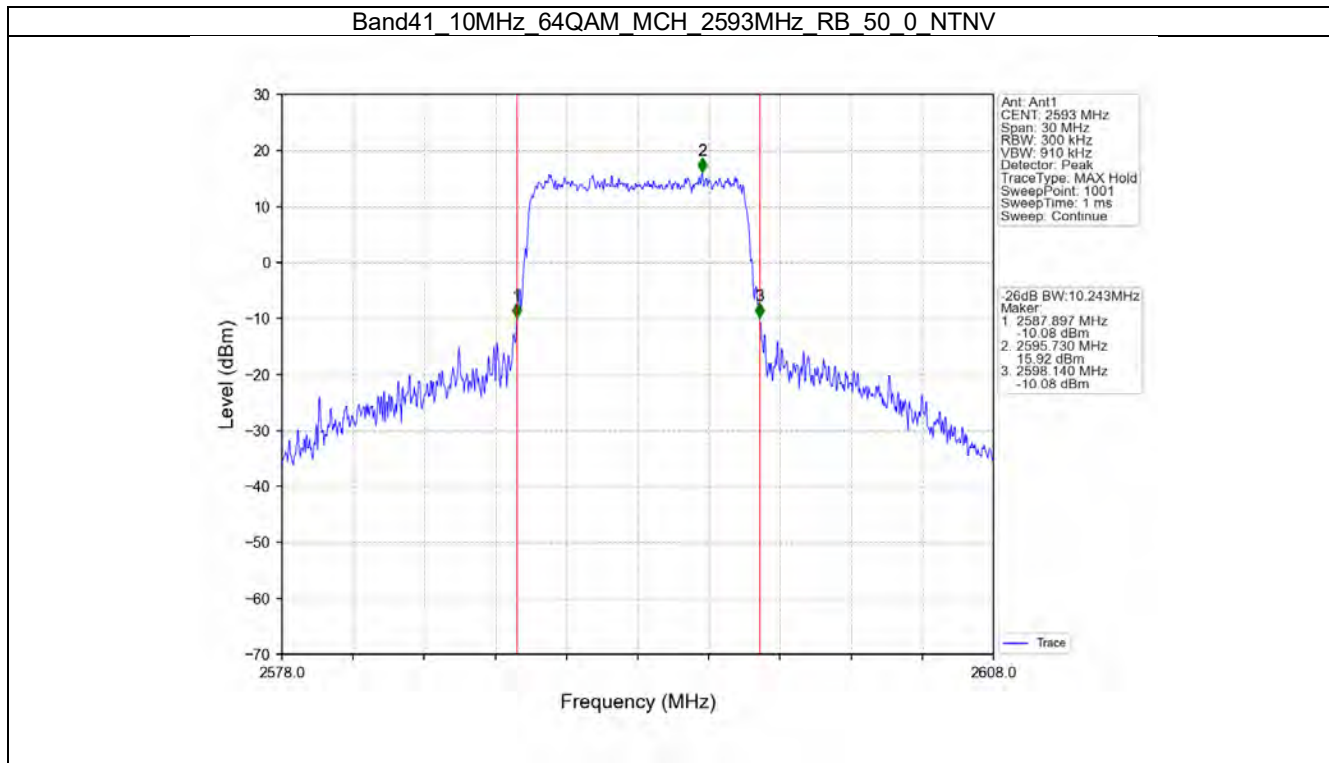
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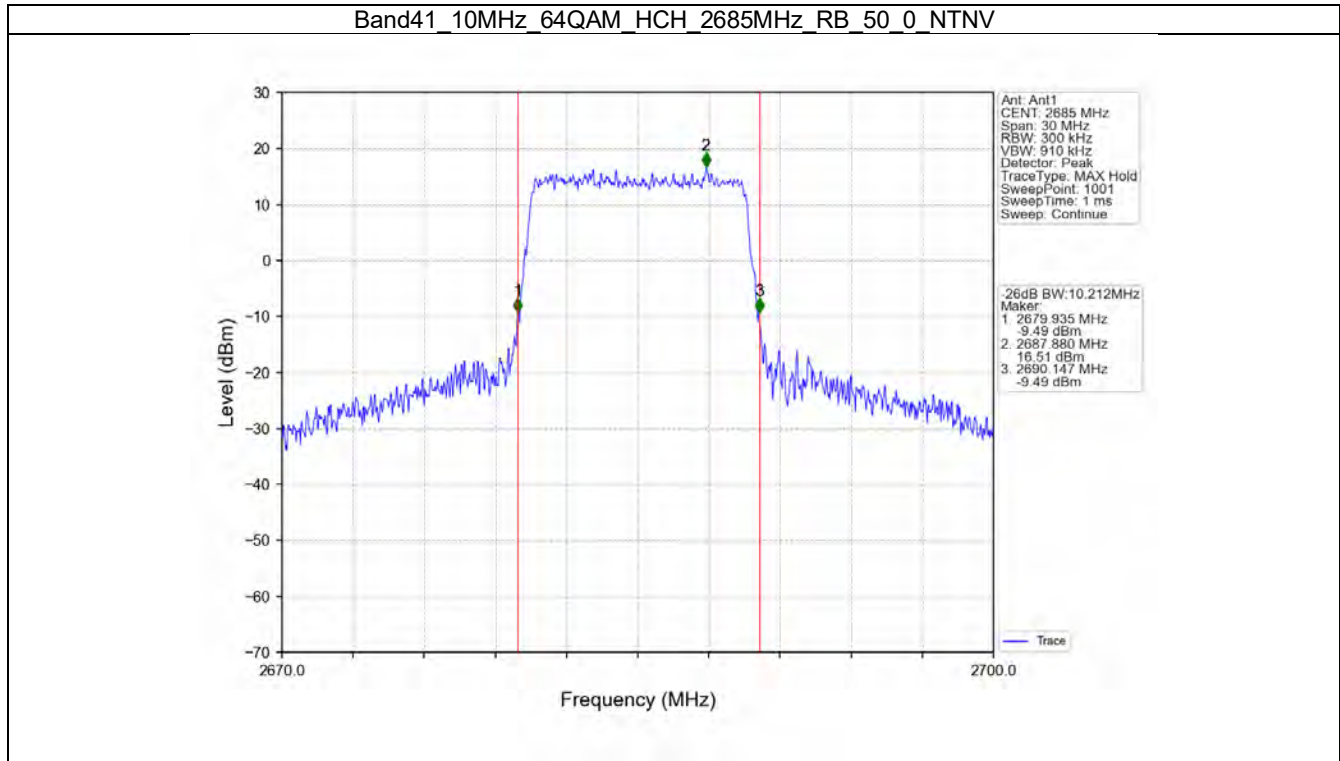


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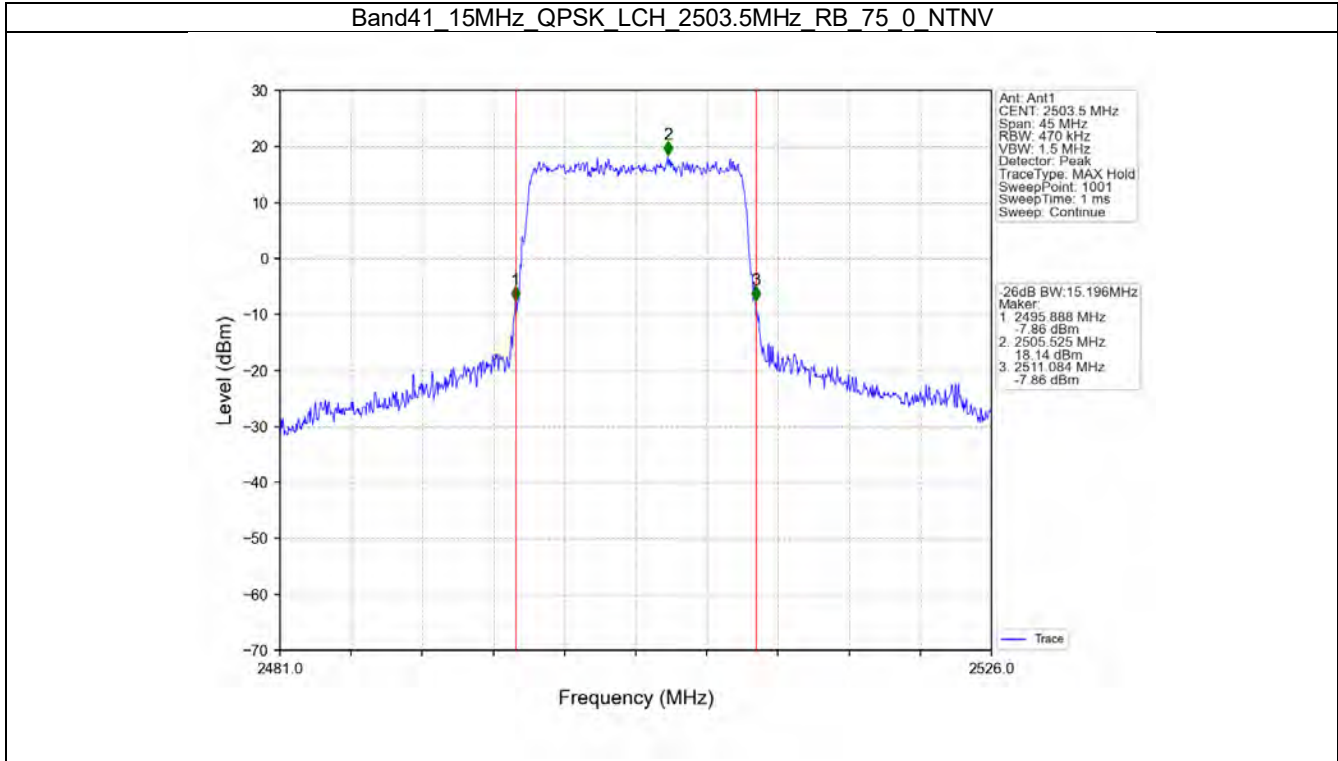


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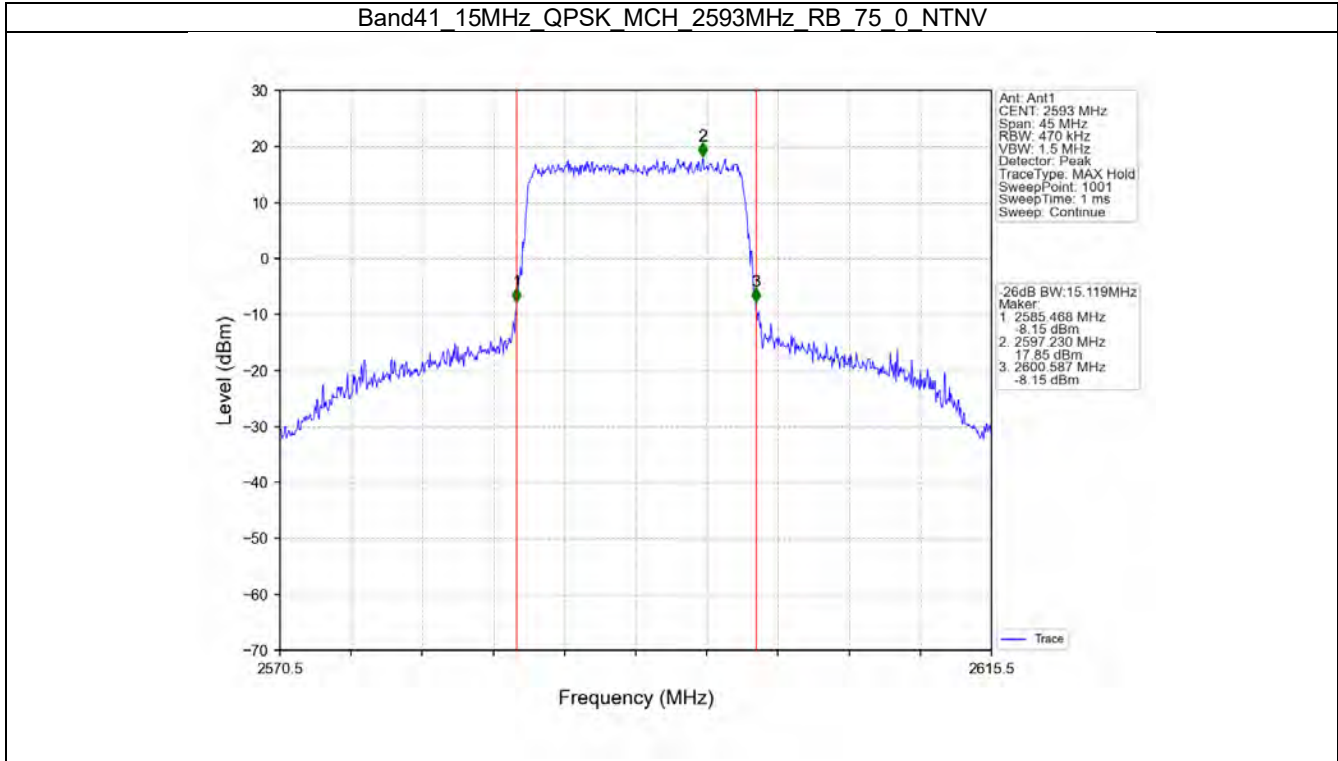


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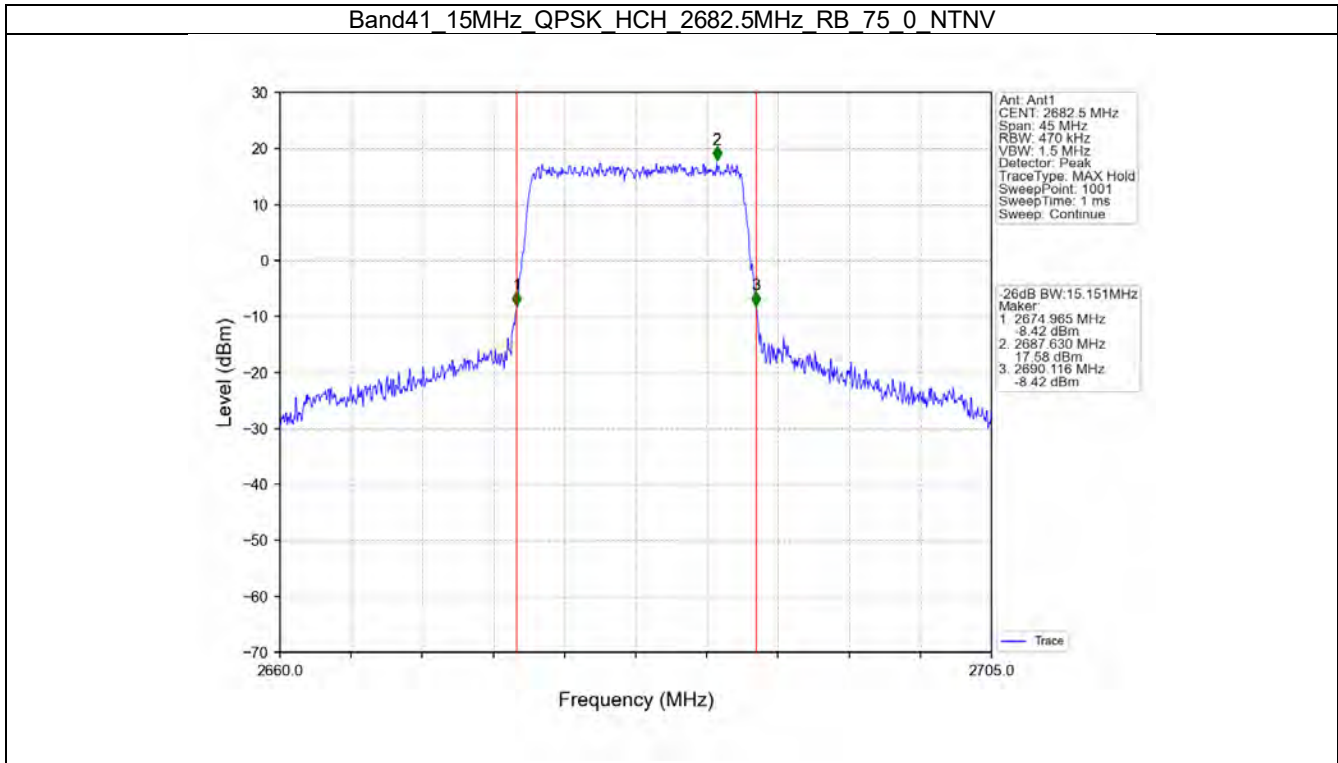


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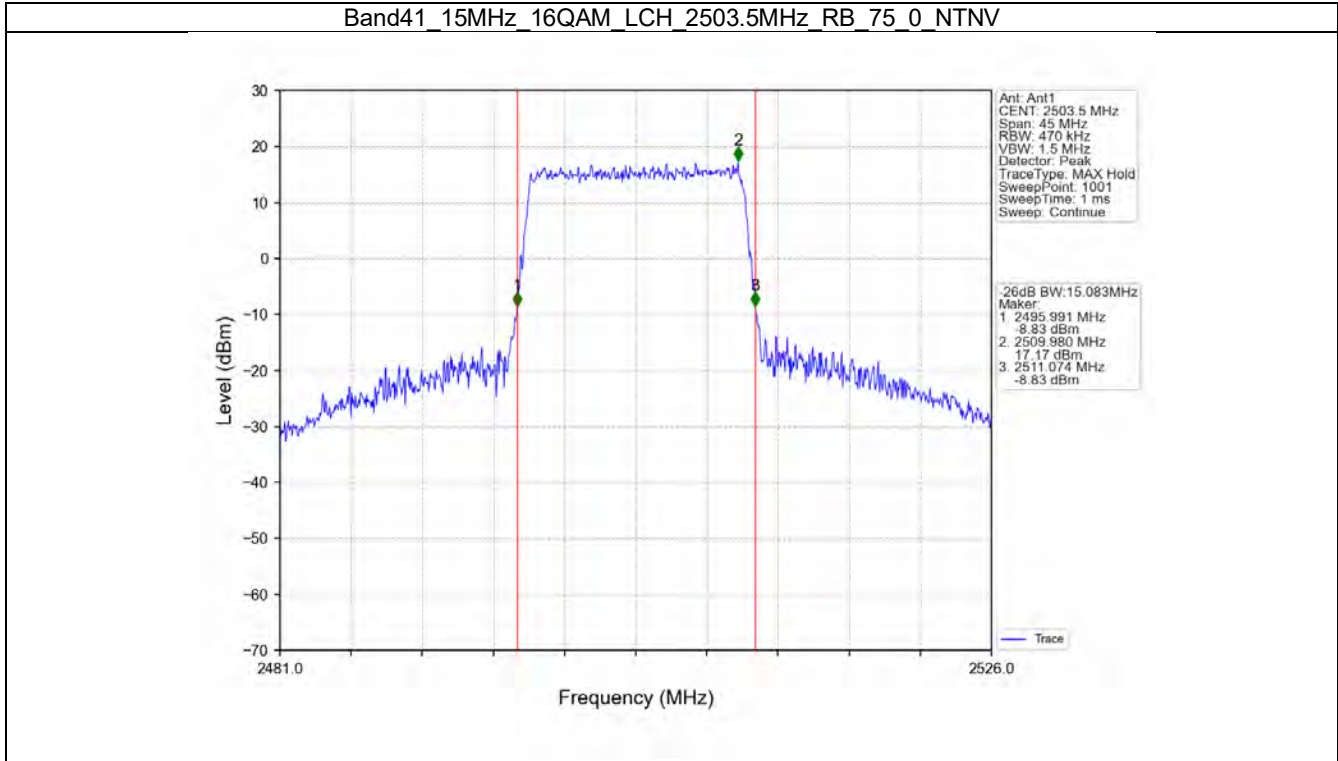


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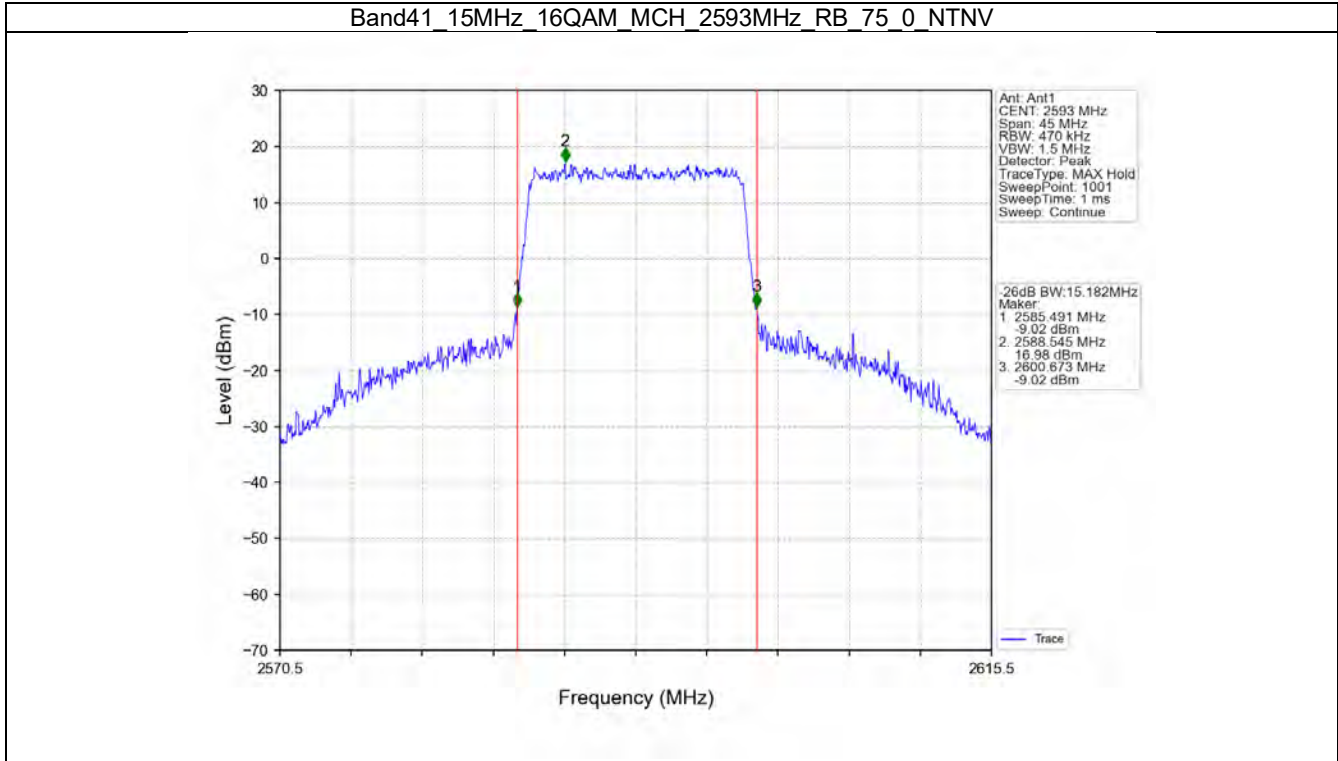


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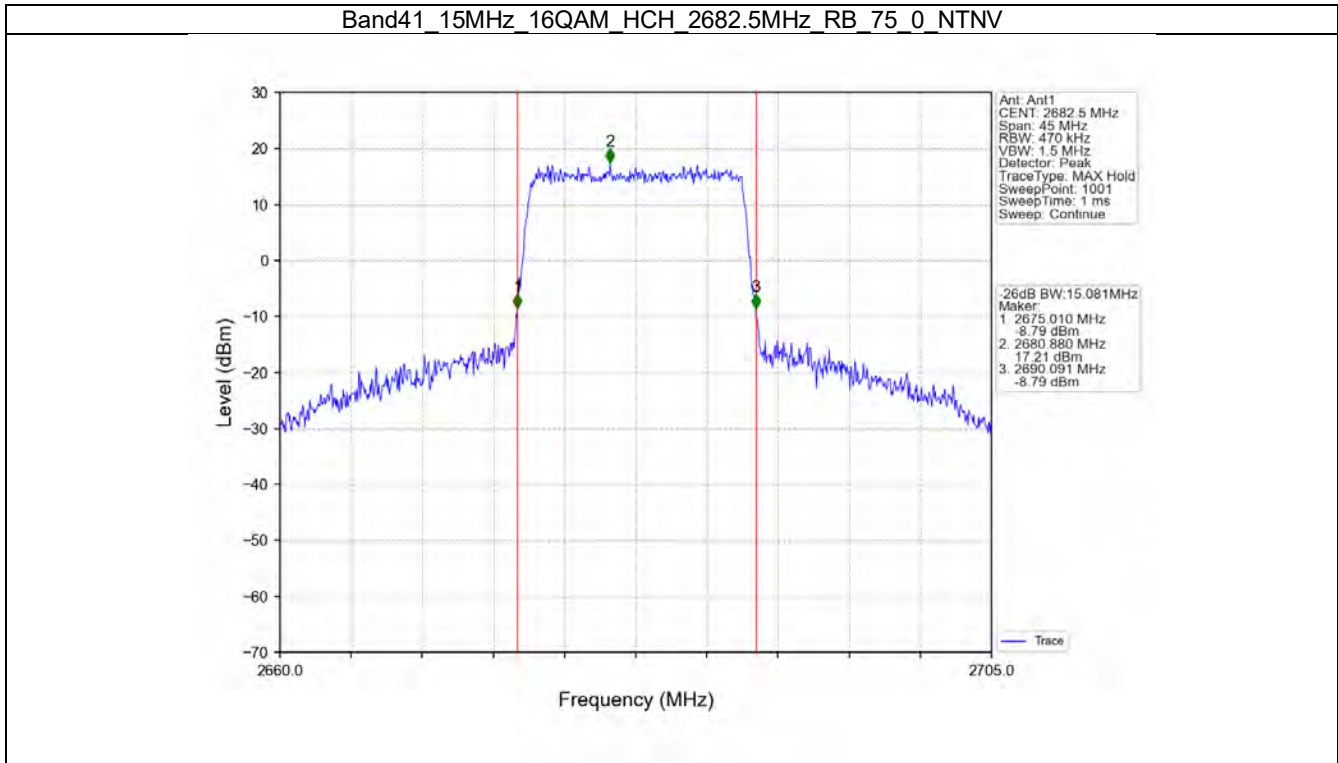


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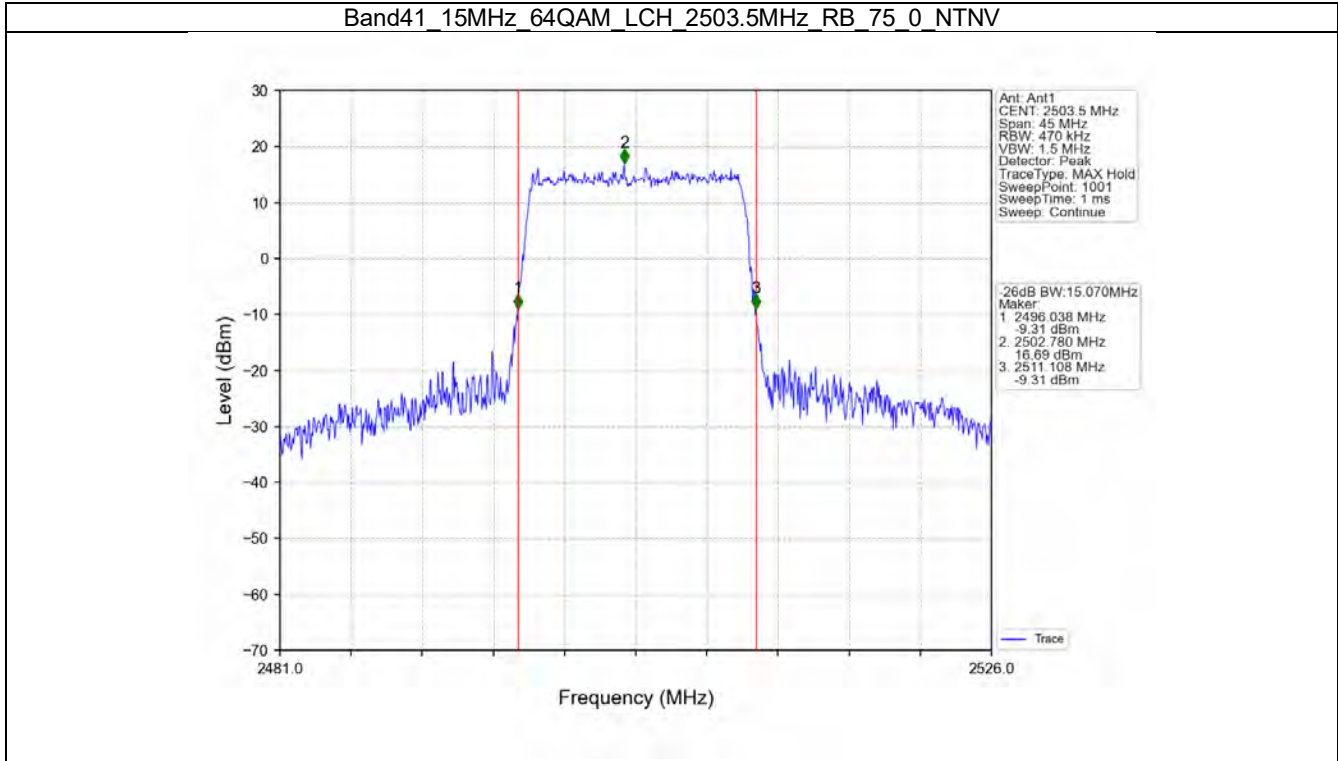


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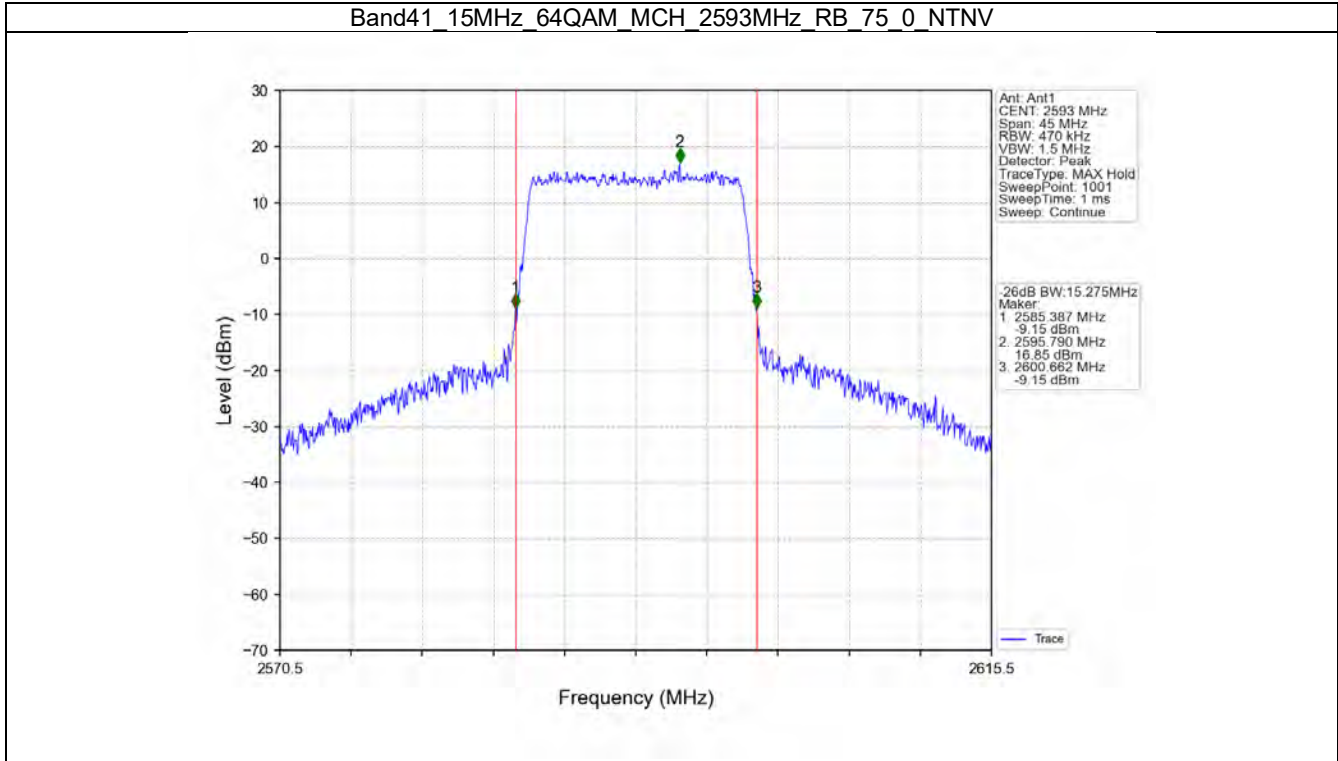


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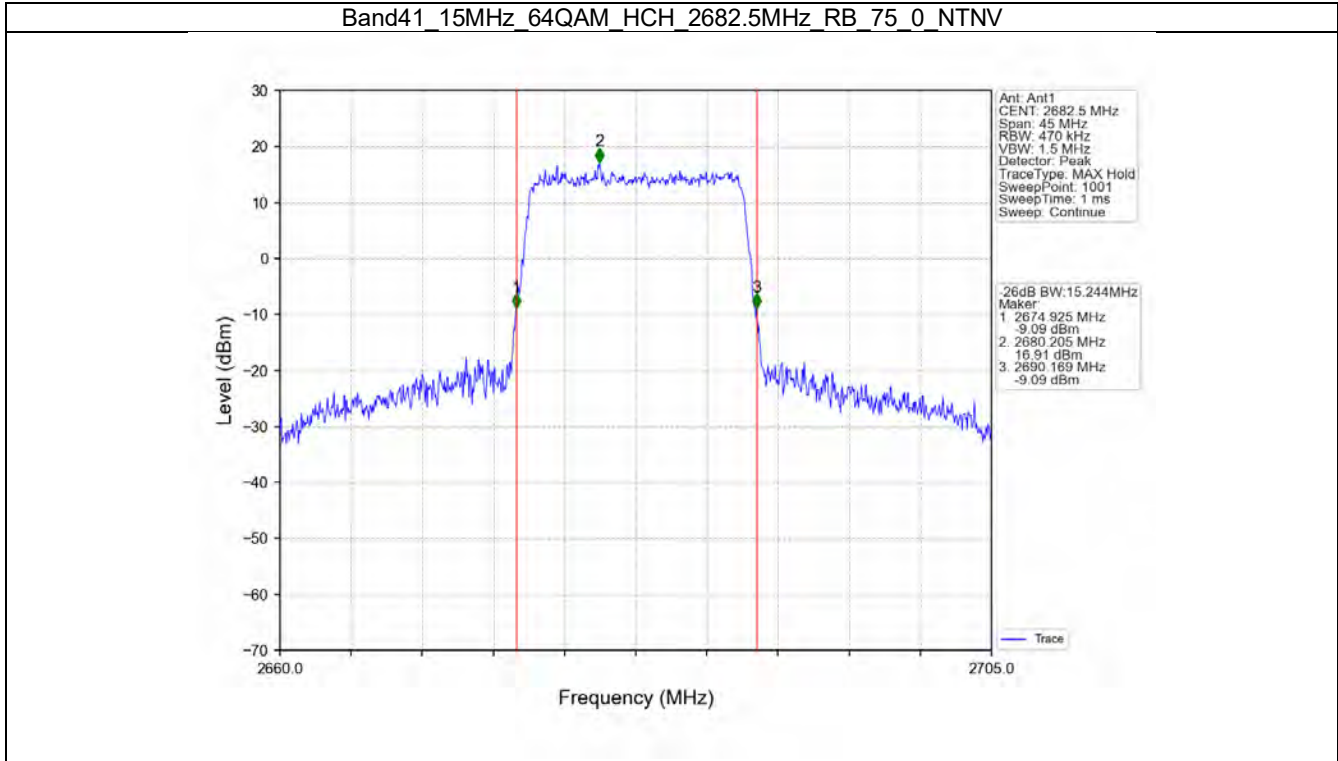


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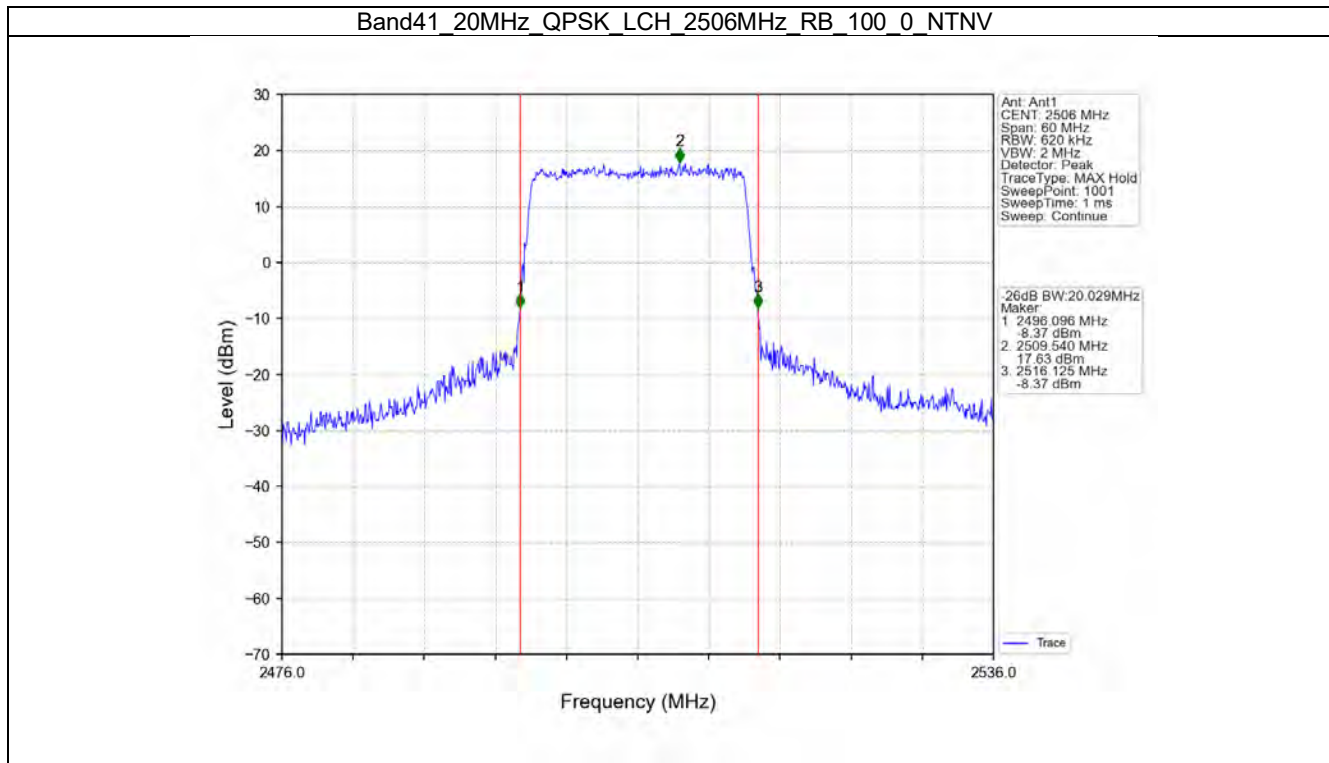
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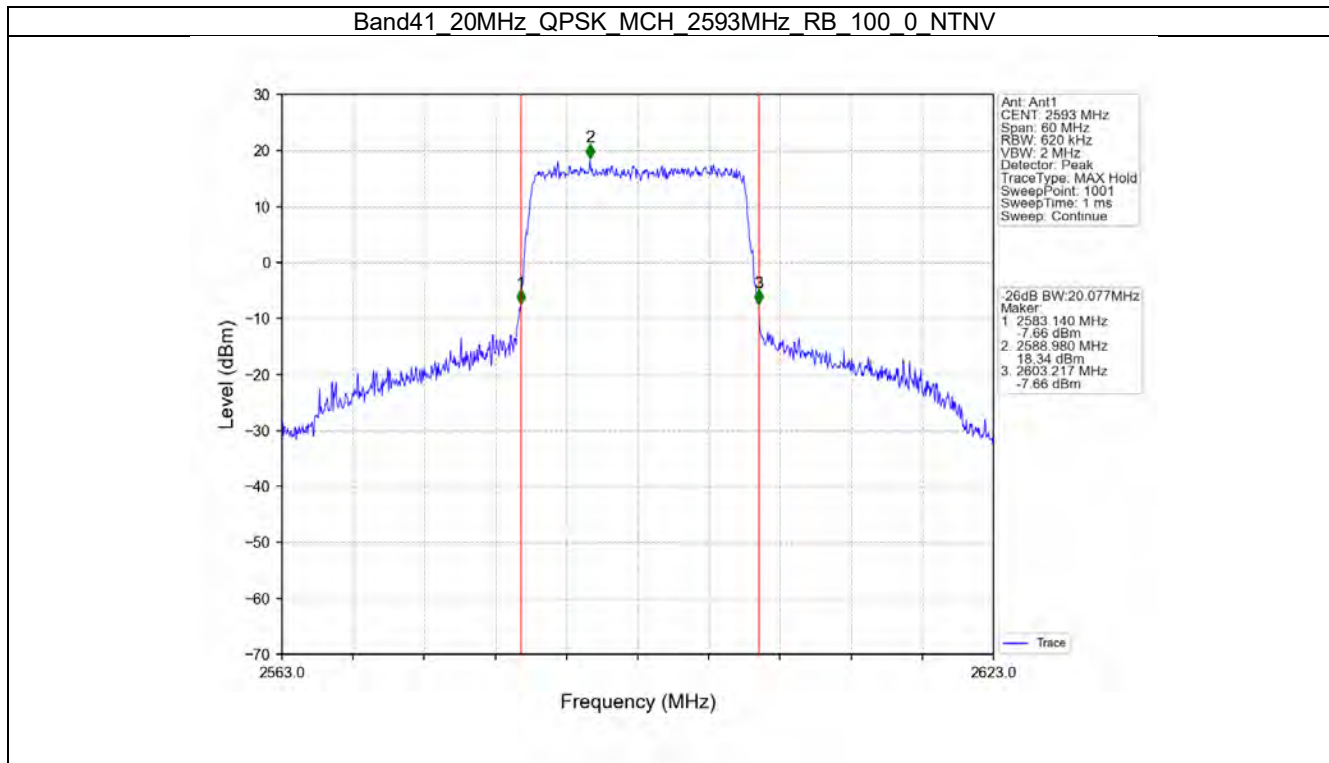
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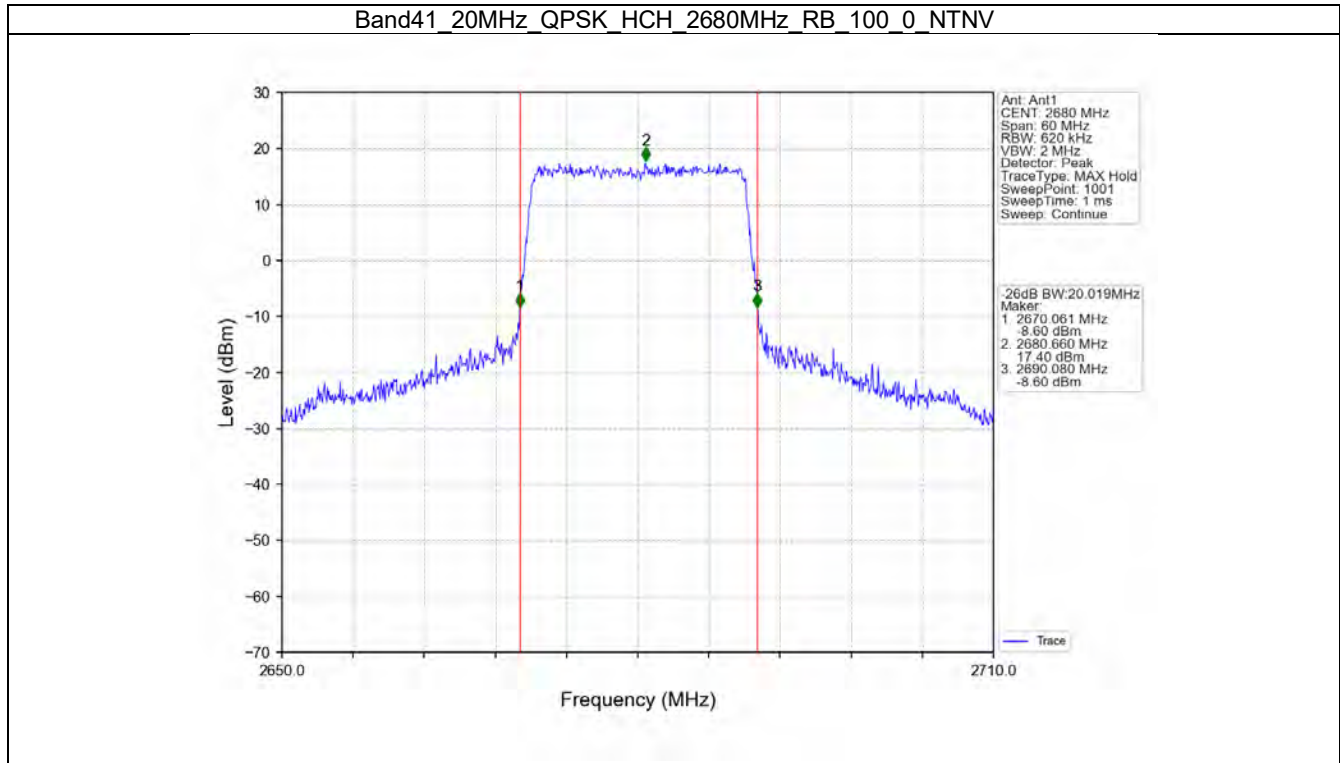


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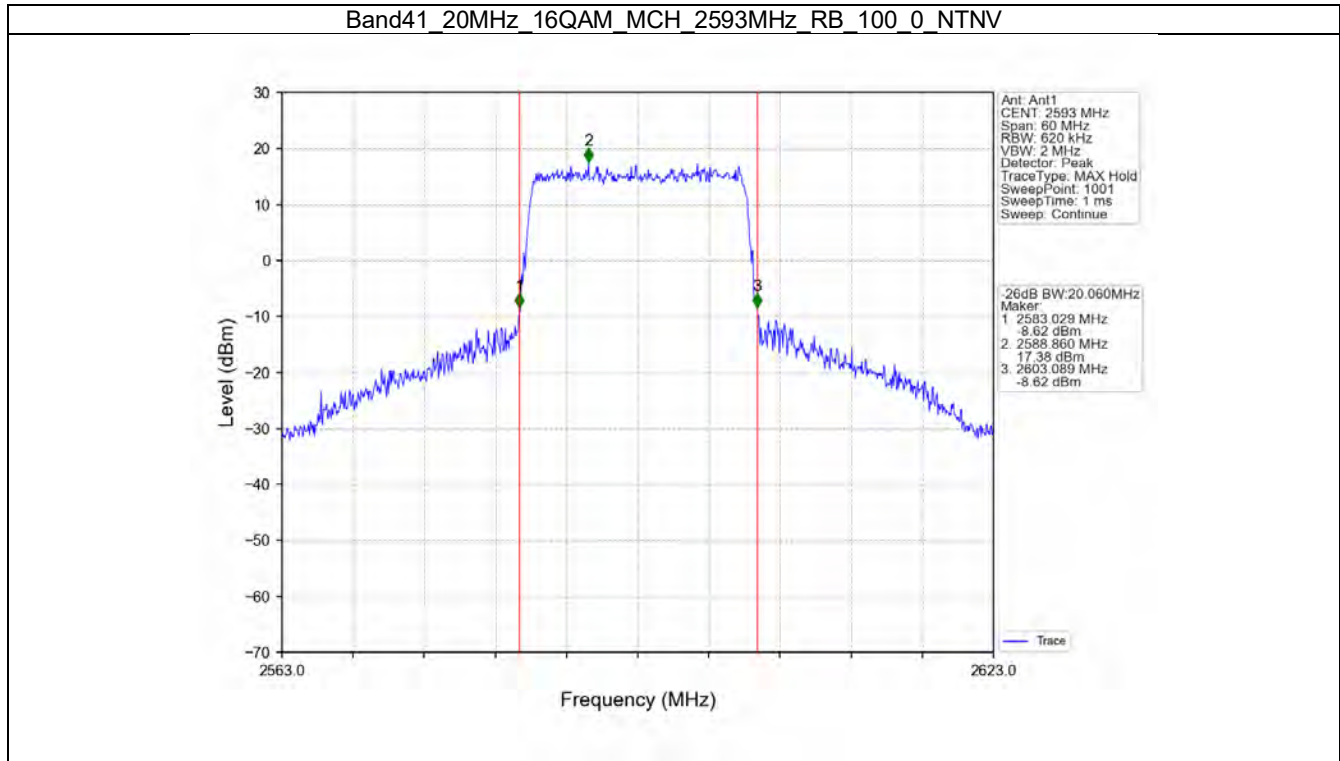


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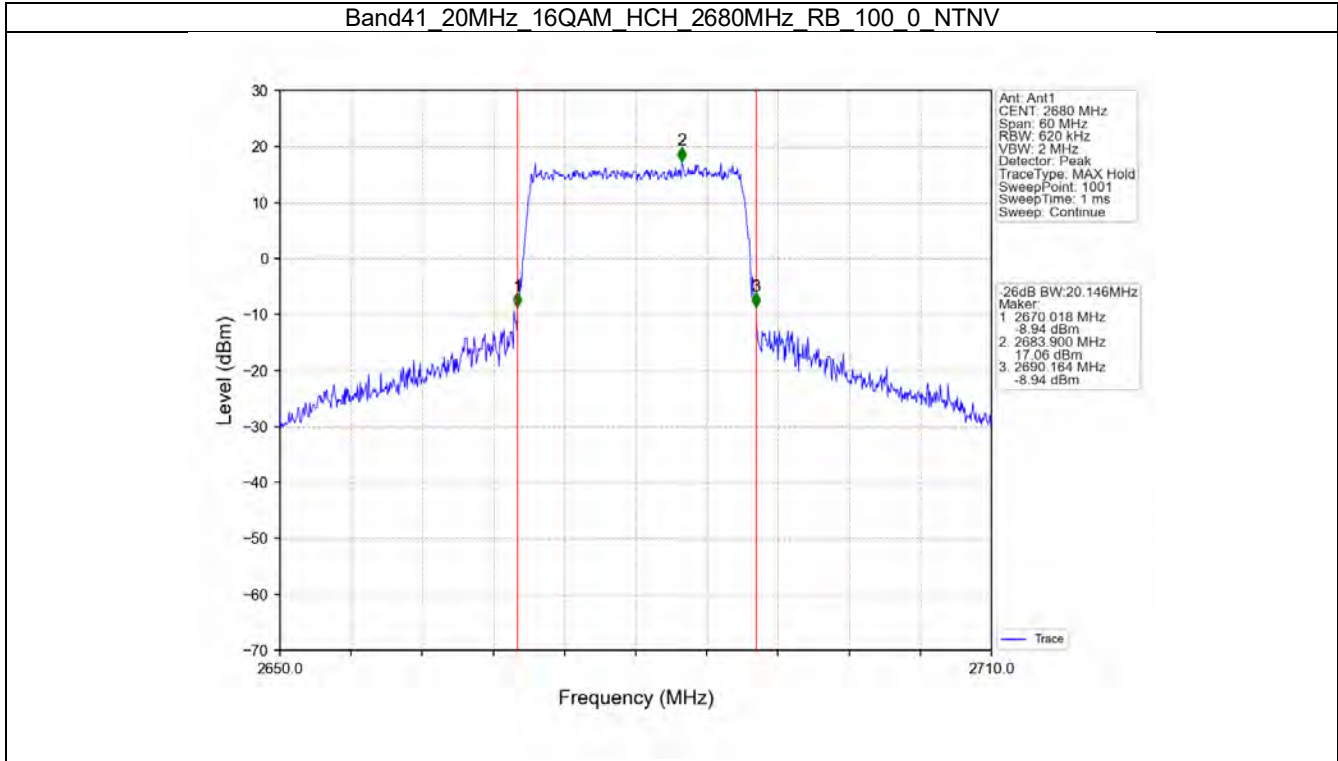


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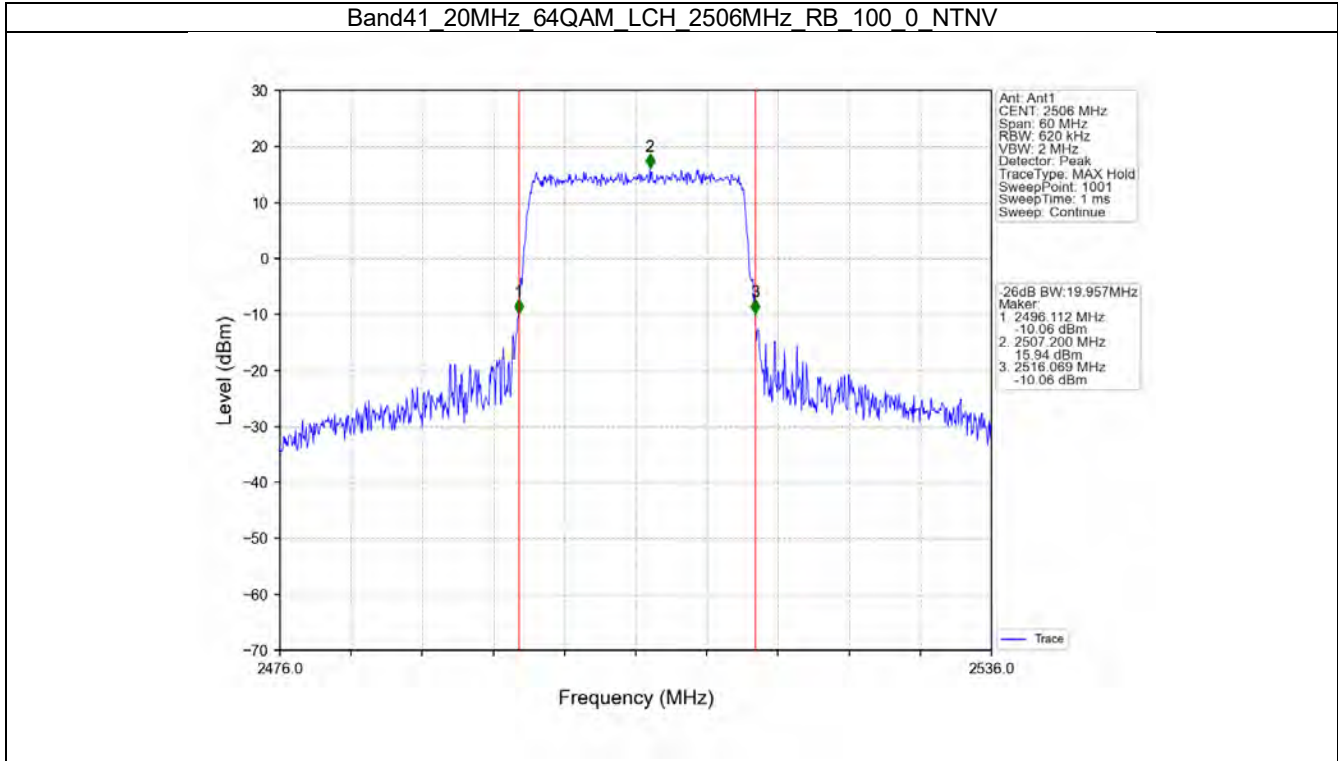


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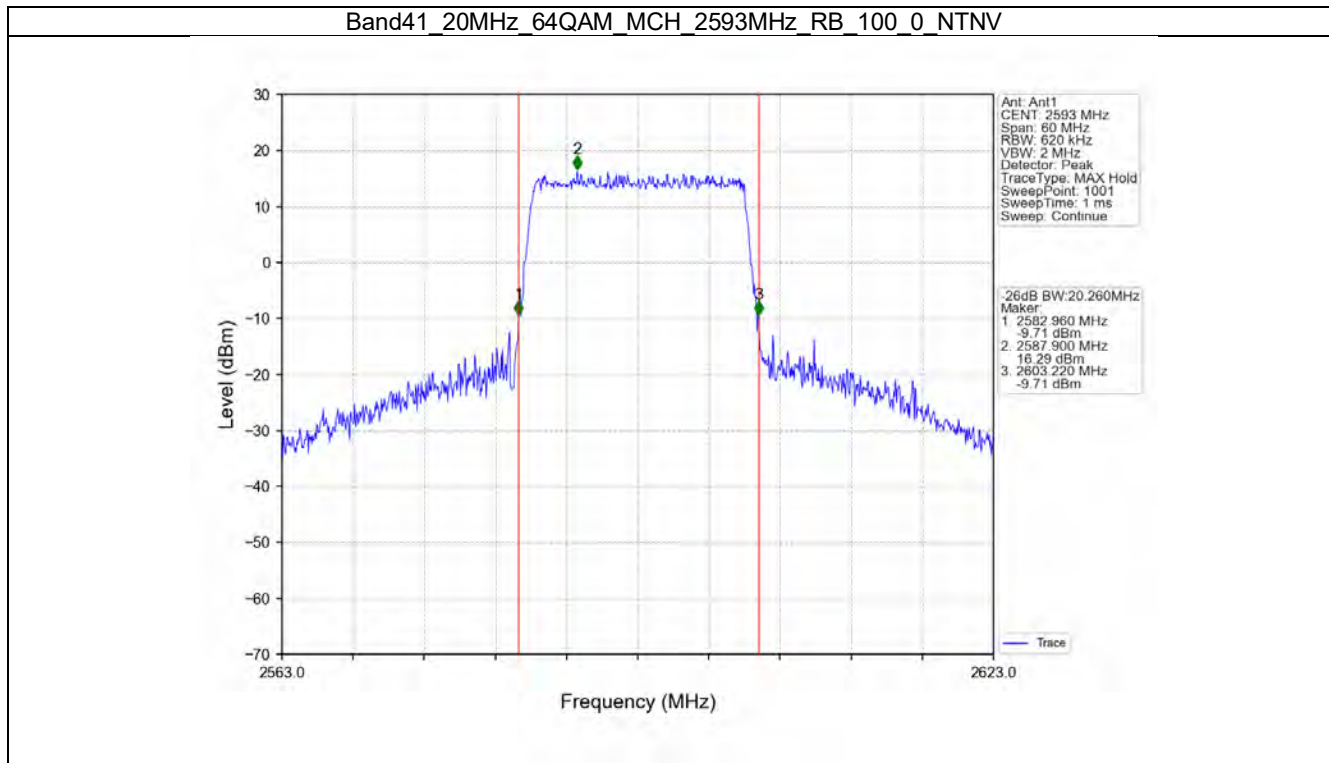
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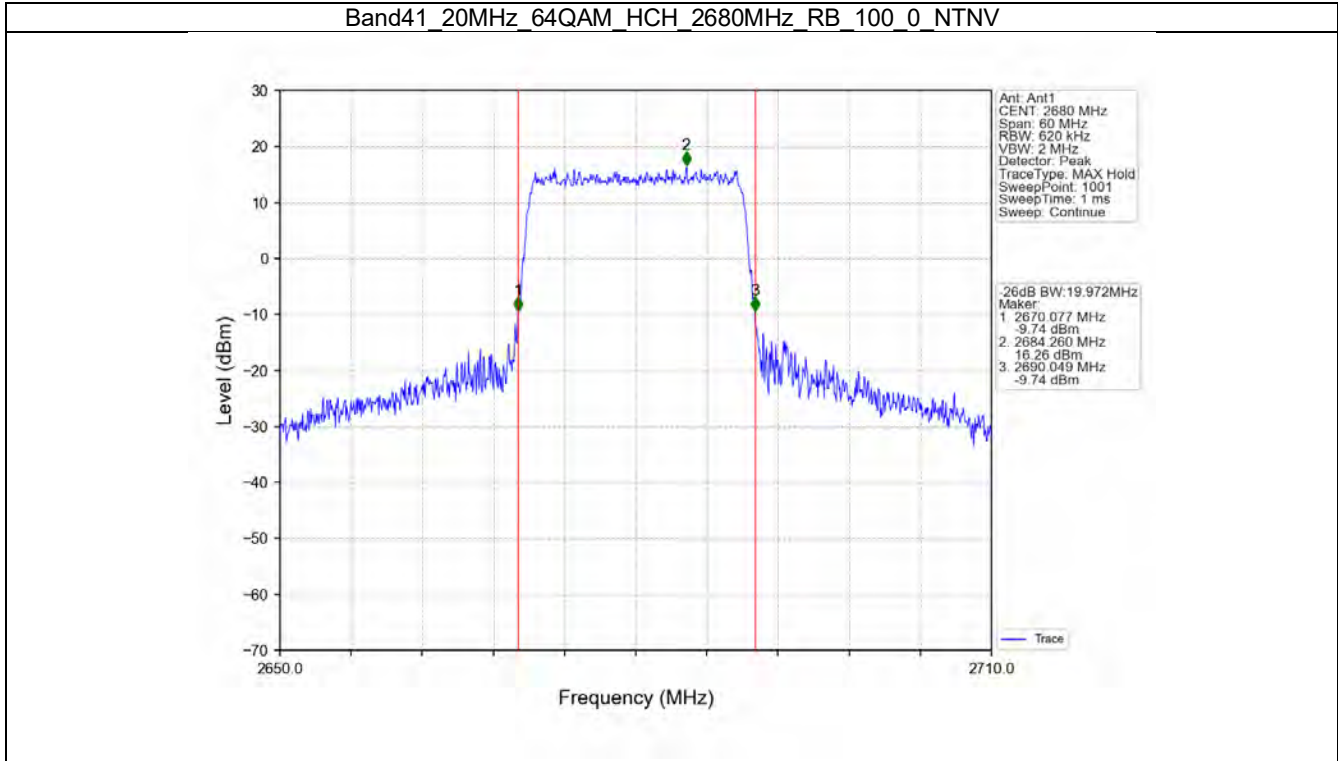


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## 4. Peak-Average Ratio

### 4.1 B41\_5MHz

#### 4.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.51	<=13	Pass
	2593	25	0	7.16	<=13	Pass
	2687.5	25	0	7.49	<=13	Pass
16QAM	2498.5	25	0	8.31	<=13	Pass
	2593	25	0	7.90	<=13	Pass
	2687.5	25	0	8.13	<=13	Pass
64QAM	2498.5	25	0	8.67	<=13	Pass
	2593	25	0	8.27	<=13	Pass
	2687.5	25	0	8.53	<=13	Pass



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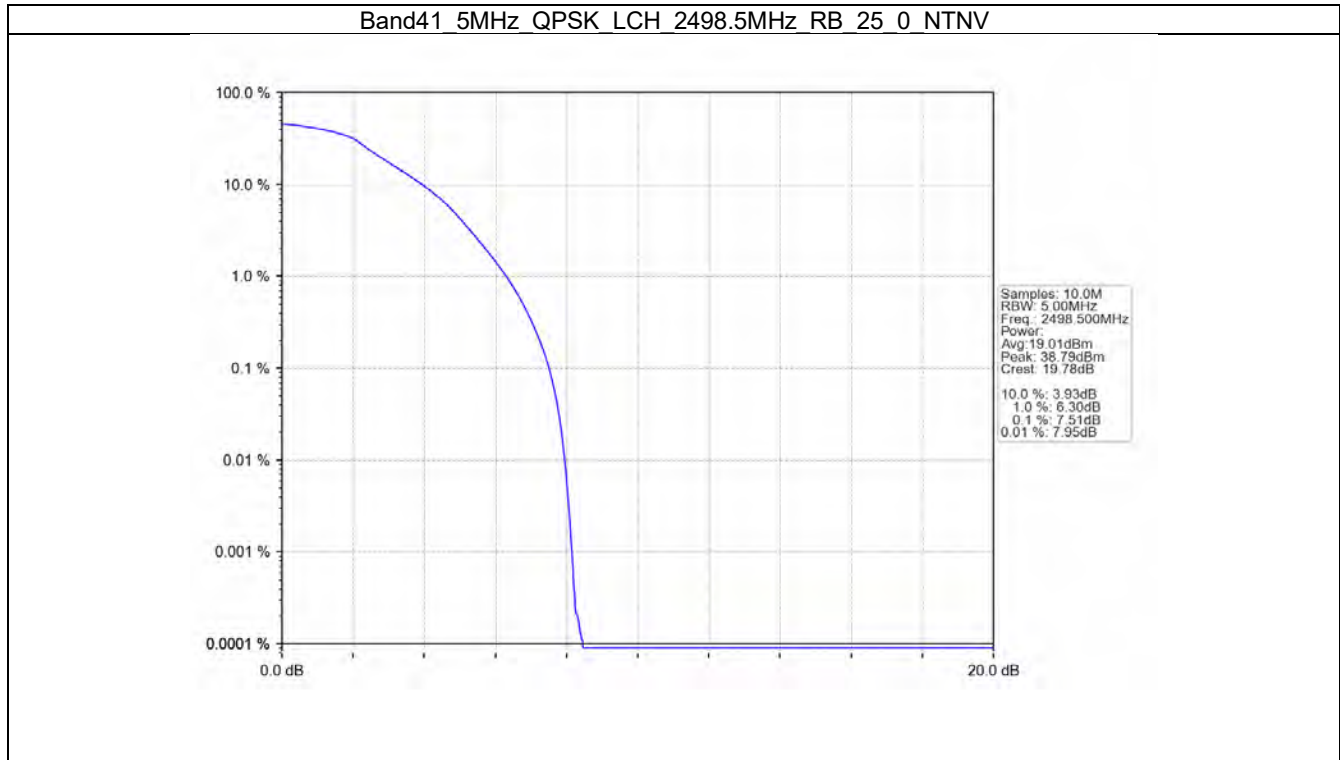
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4.1.2 Test Graph



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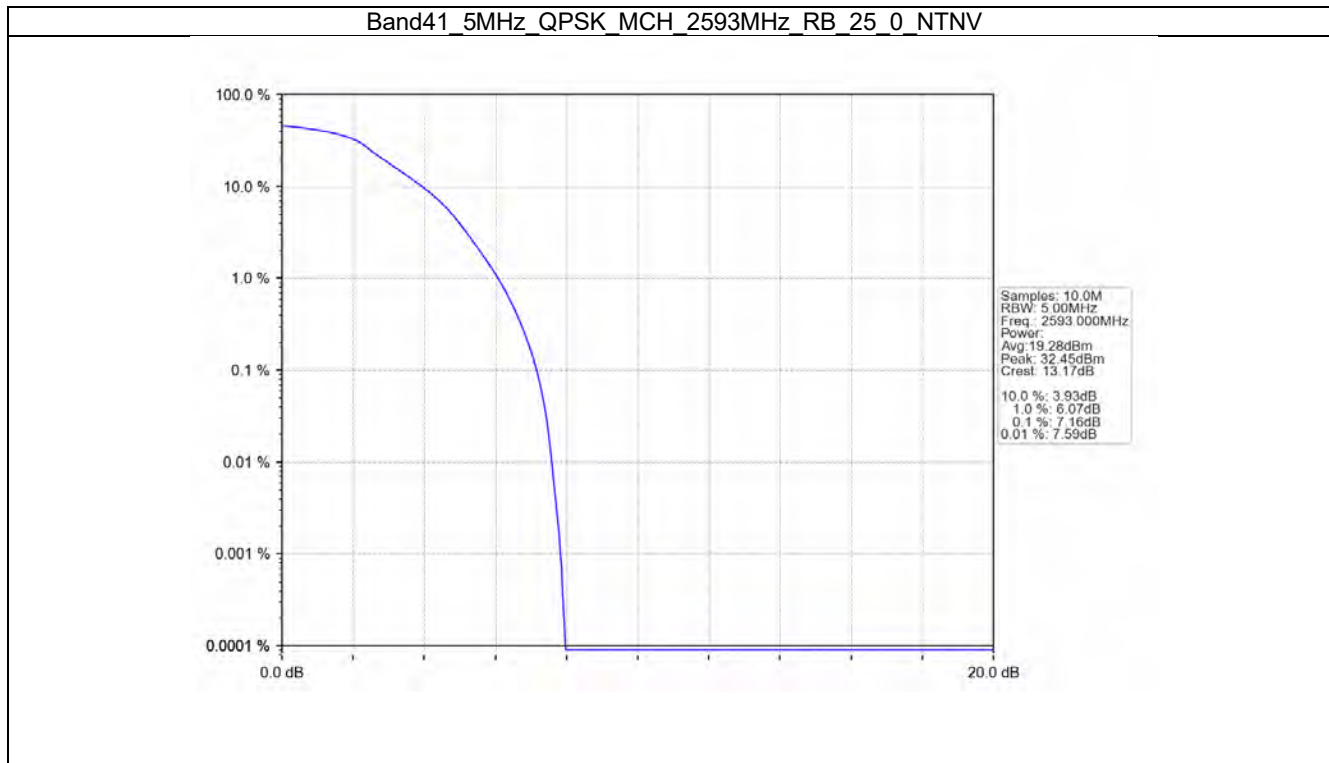
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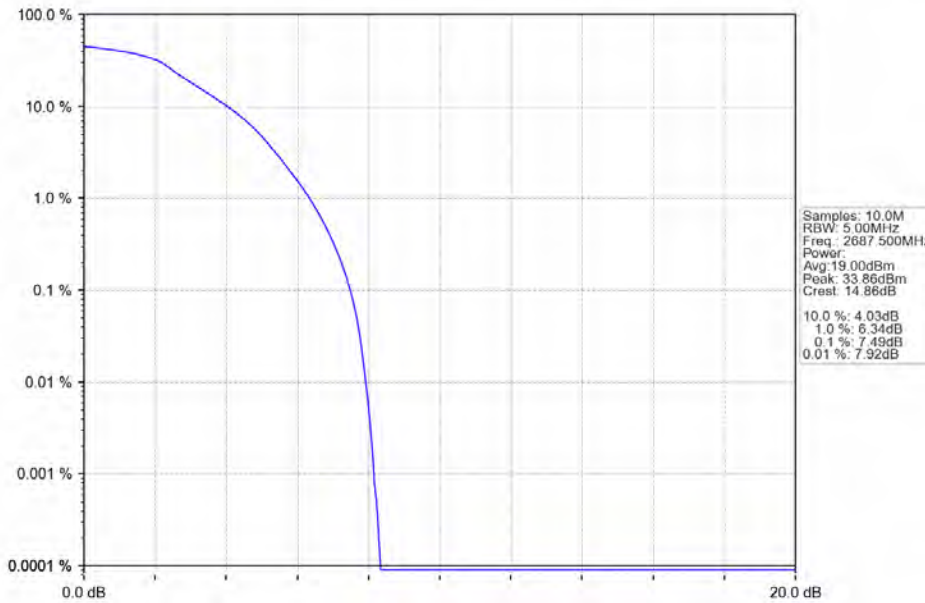
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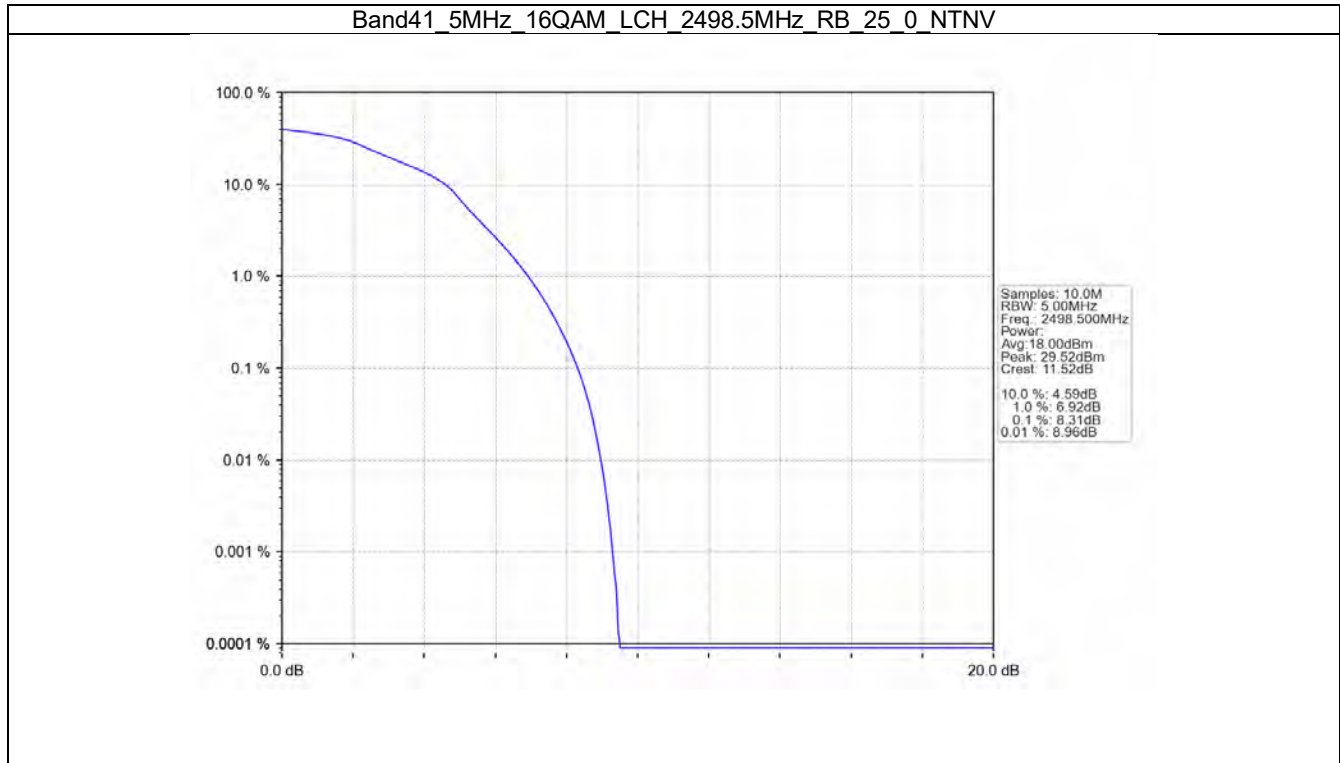


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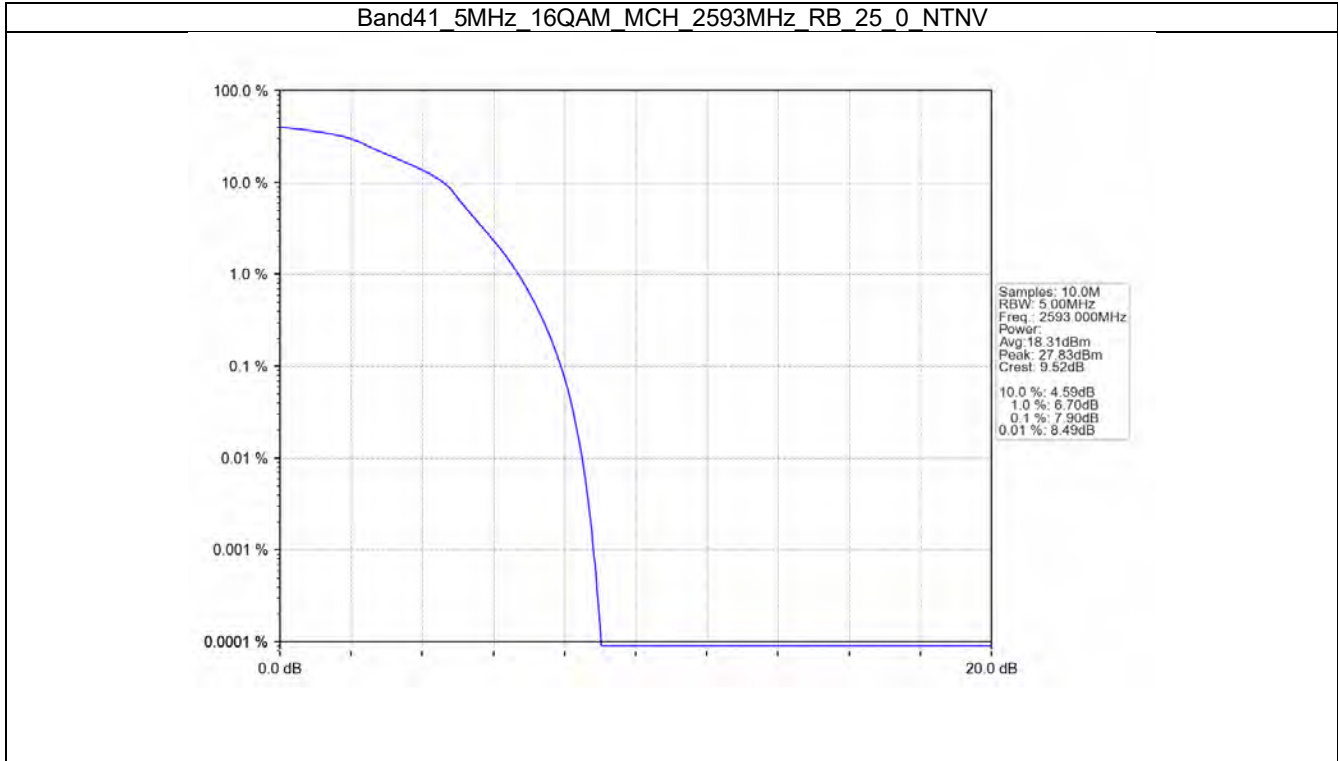


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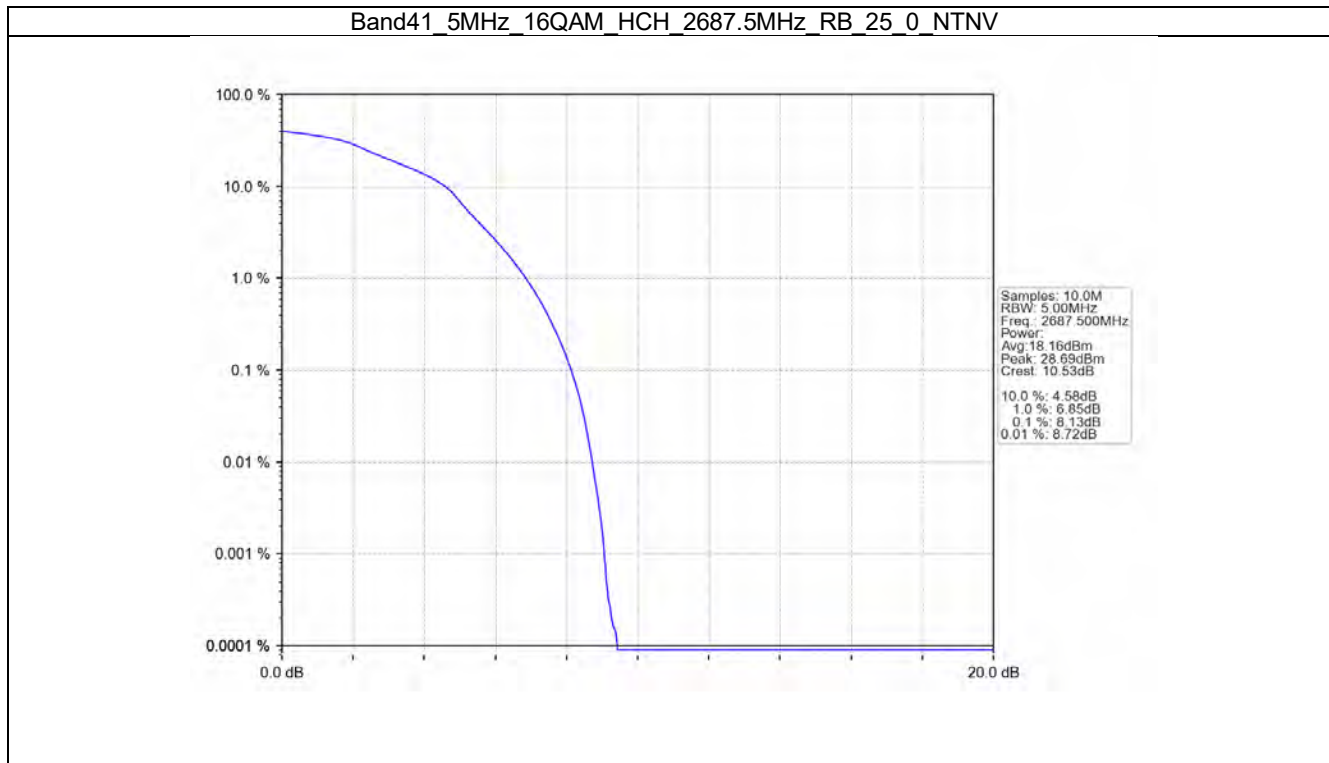
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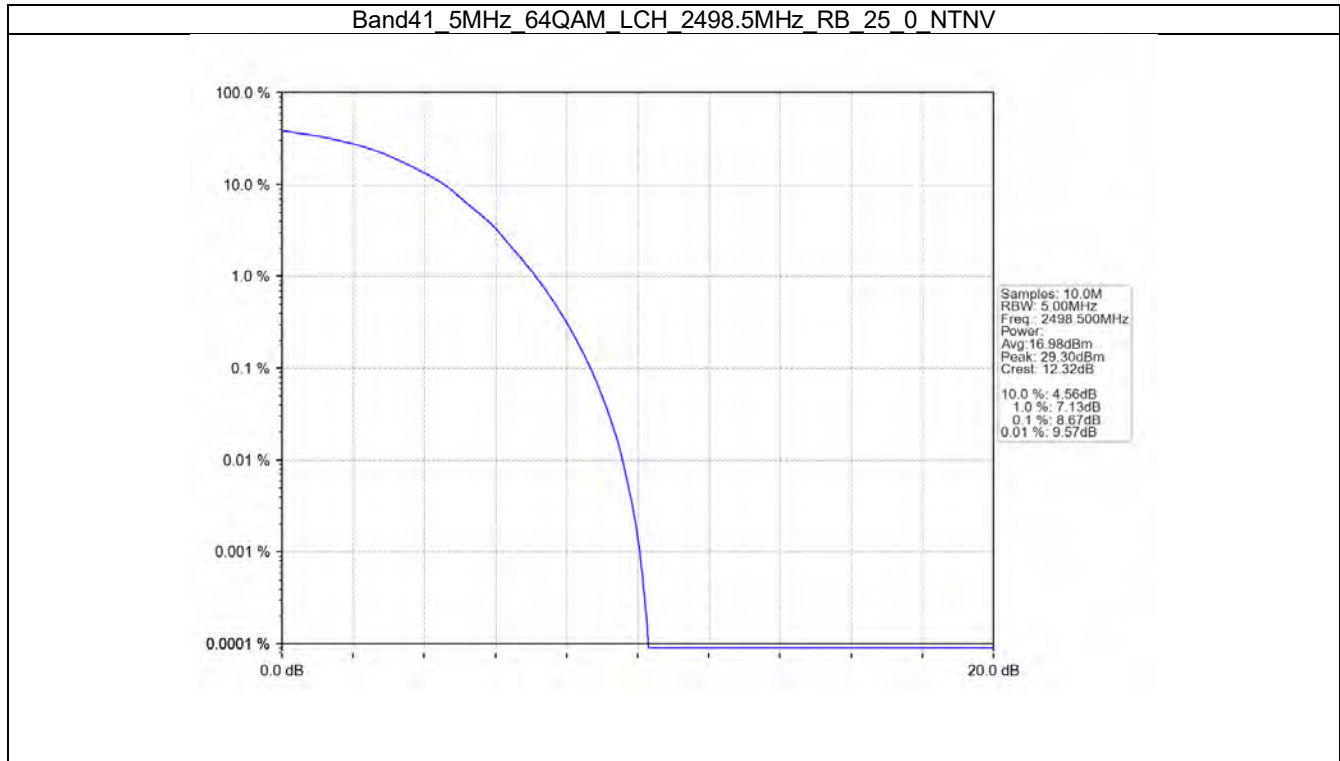


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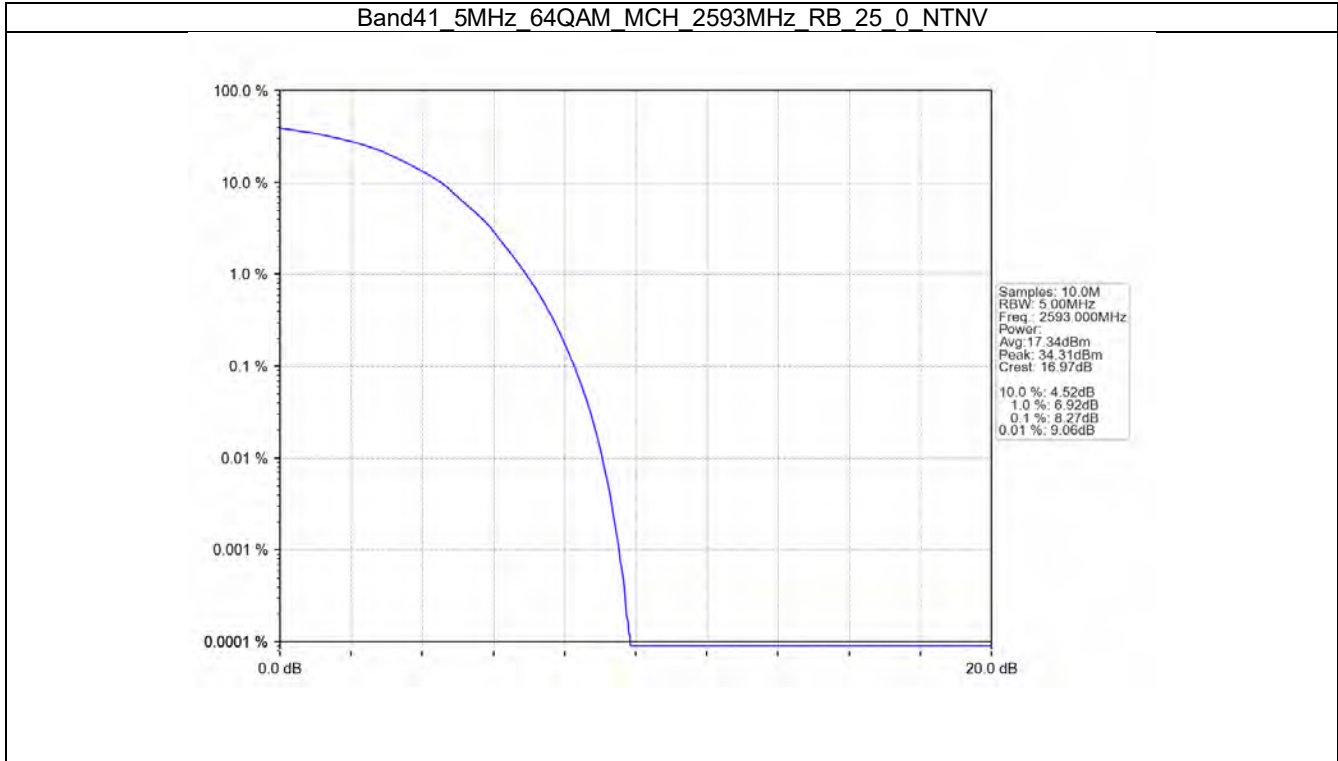
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Band41\_5MHz\_64QAM\_MCH\_2593MHz\_RB\_25\_0\_NTNV



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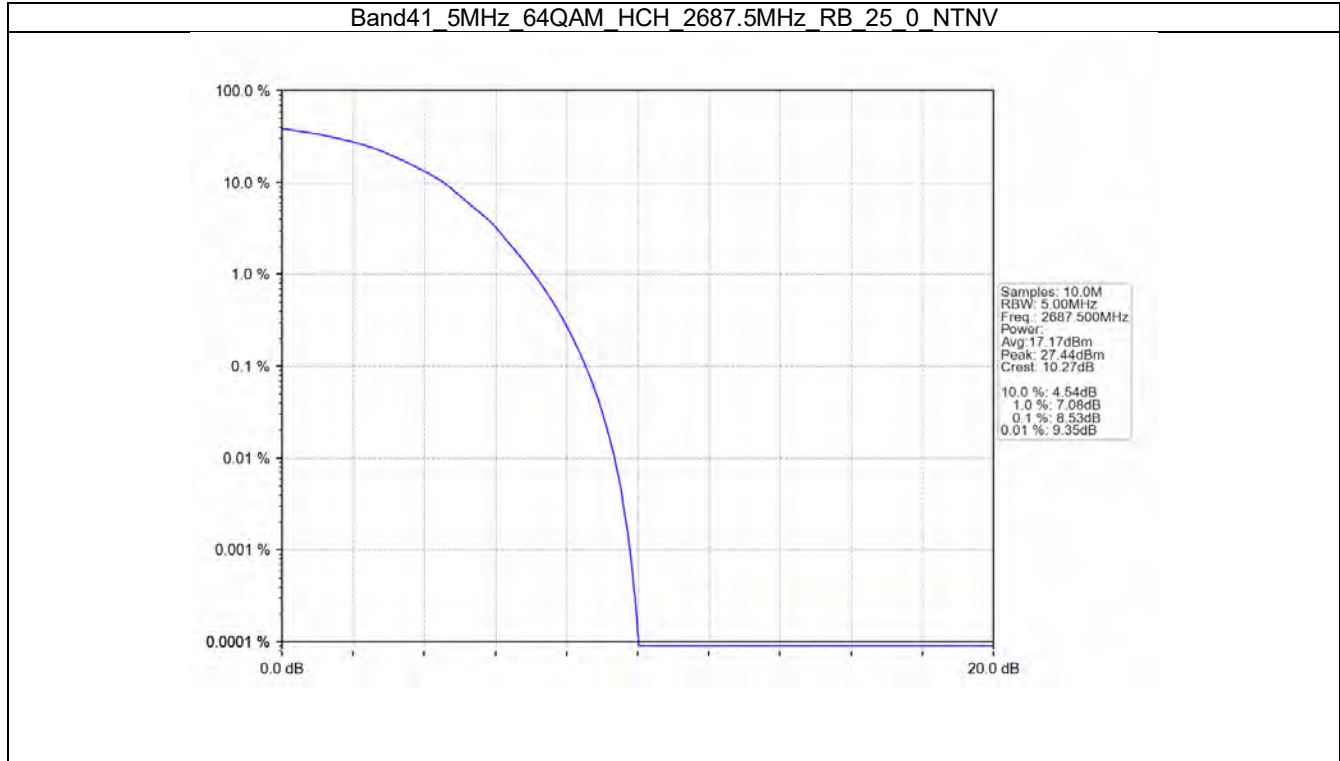
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## 4.2 B41\_10MHz

### 4.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	7.44	<=13	Pass
	2593	50	0	7.19	<=13	Pass
	2685	50	0	7.36	<=13	Pass
16QAM	2501	50	0	8.17	<=13	Pass
	2593	50	0	7.86	<=13	Pass
	2685	50	0	8.22	<=13	Pass
64QAM	2501	50	0	8.47	<=13	Pass
	2593	50	0	8.17	<=13	Pass
	2685	50	0	8.66	<=13	Pass



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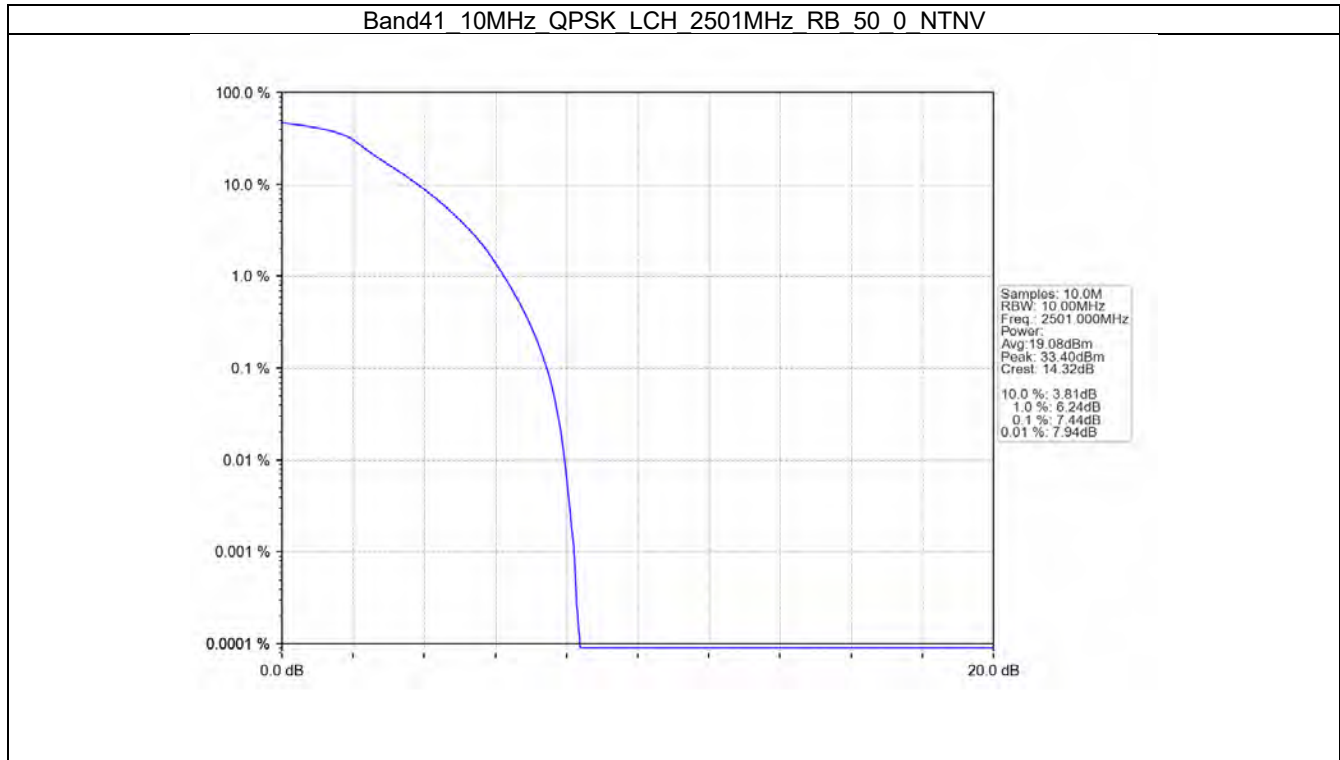
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4.2.2 Test Graph



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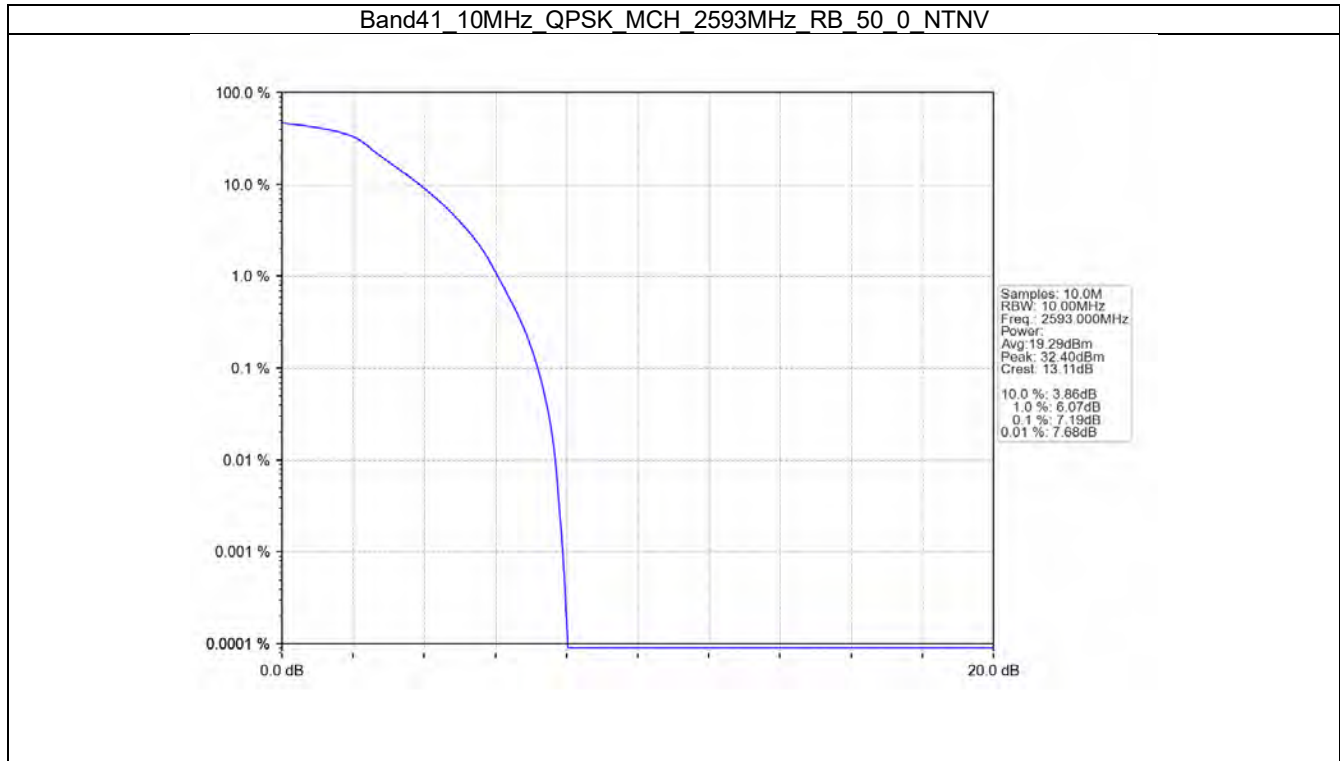


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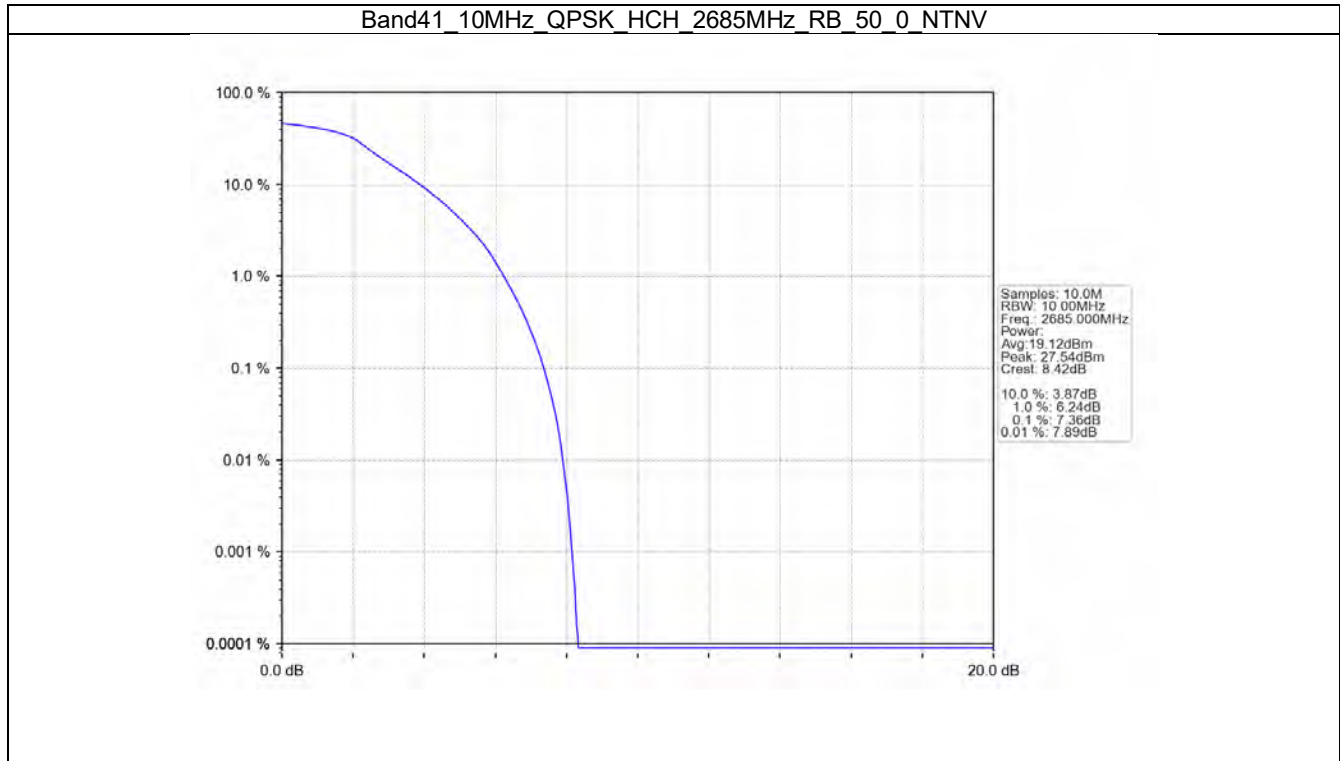


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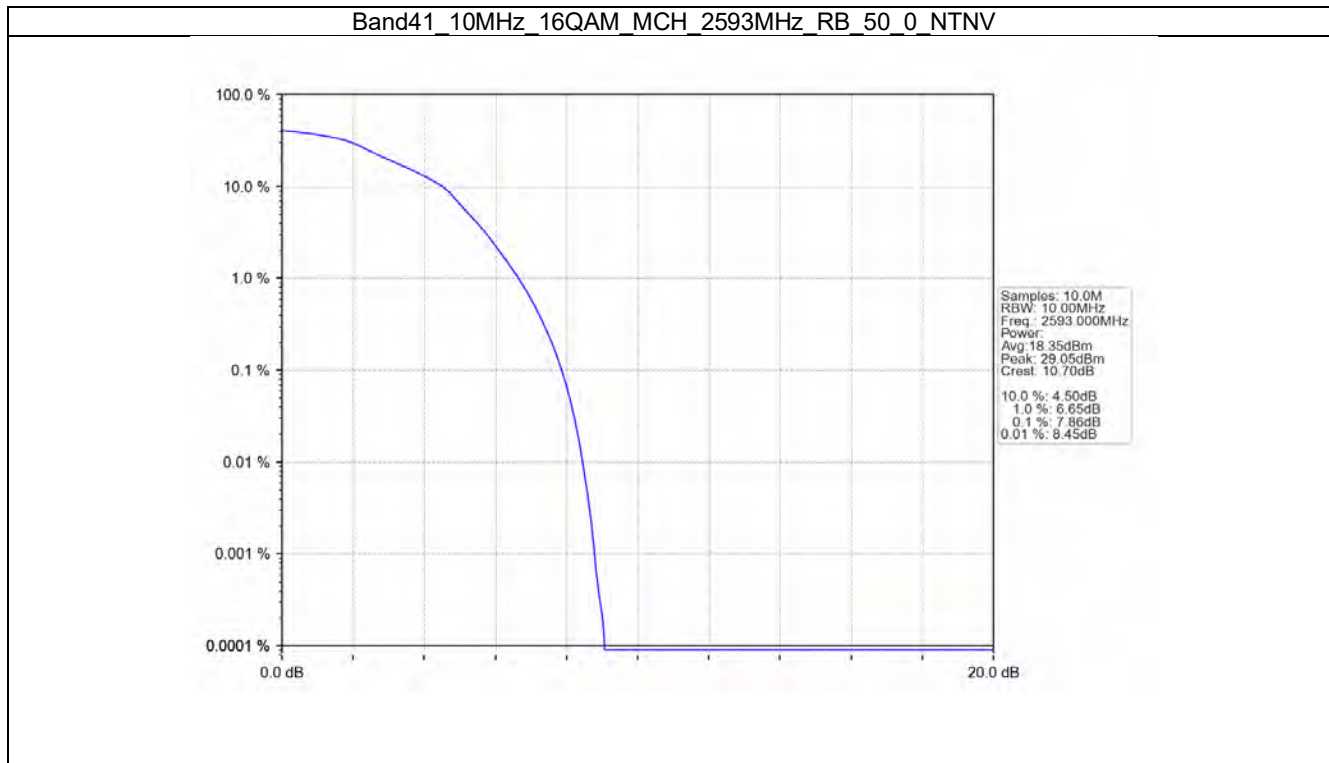
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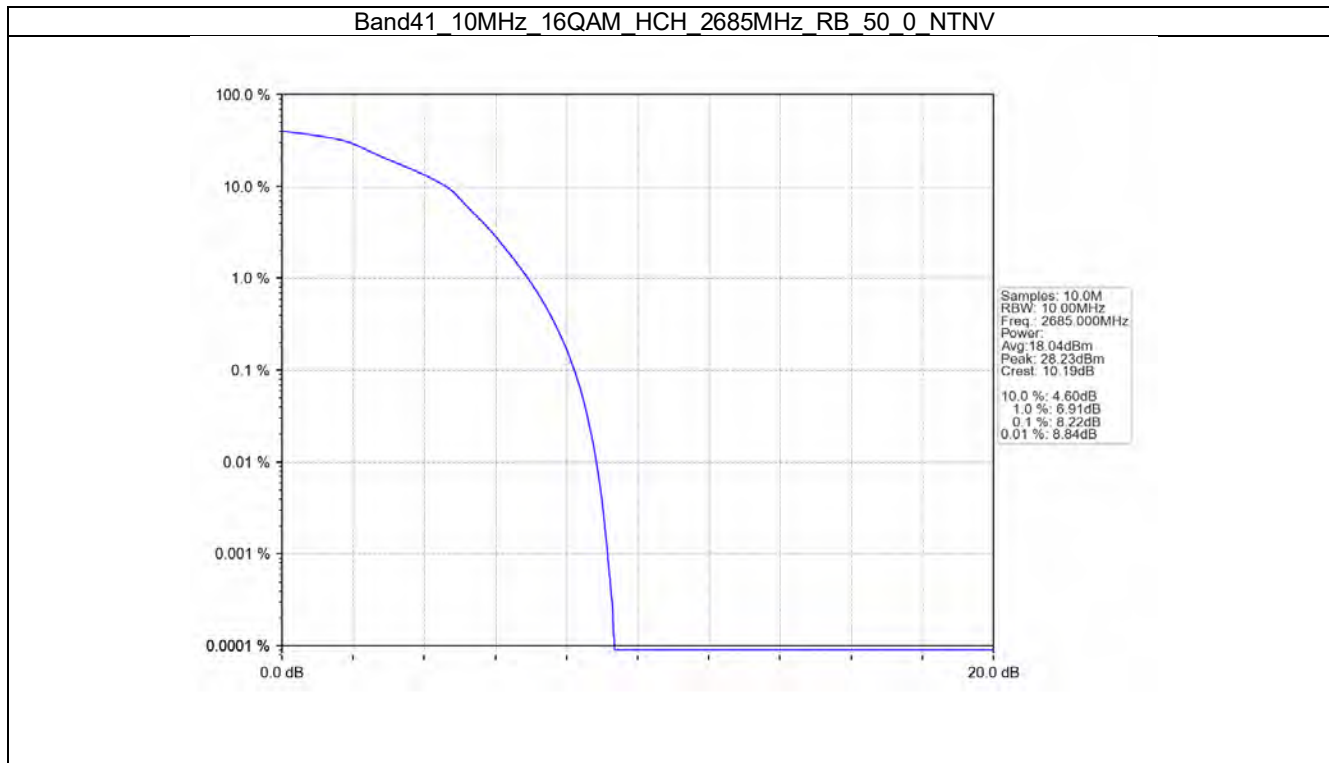
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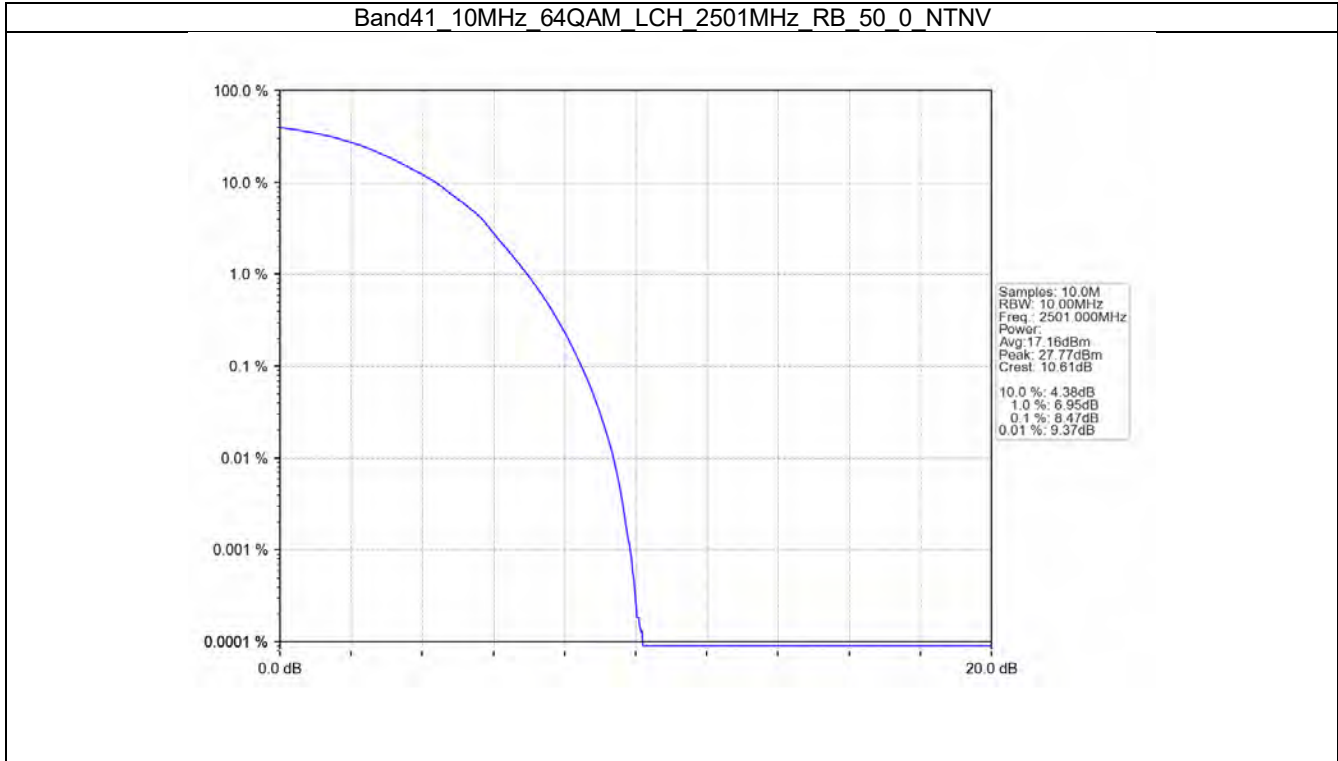


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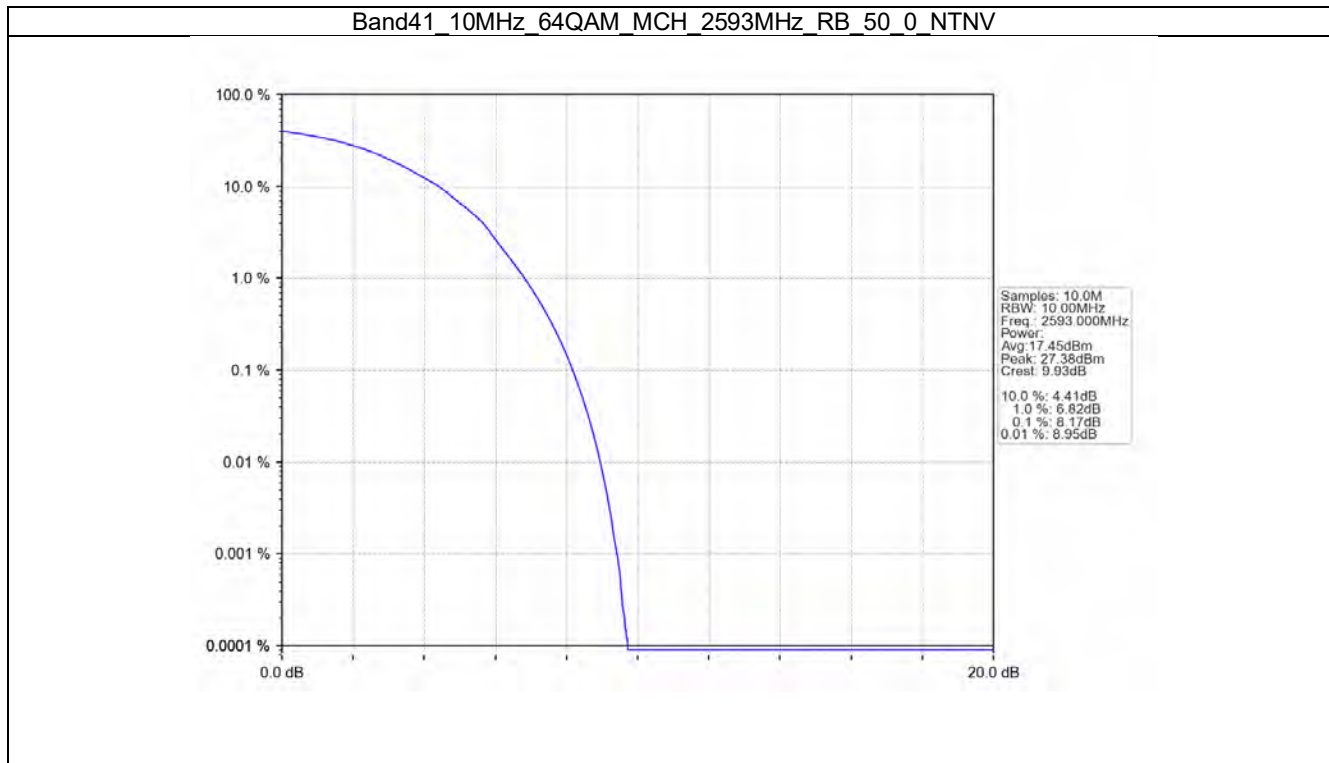
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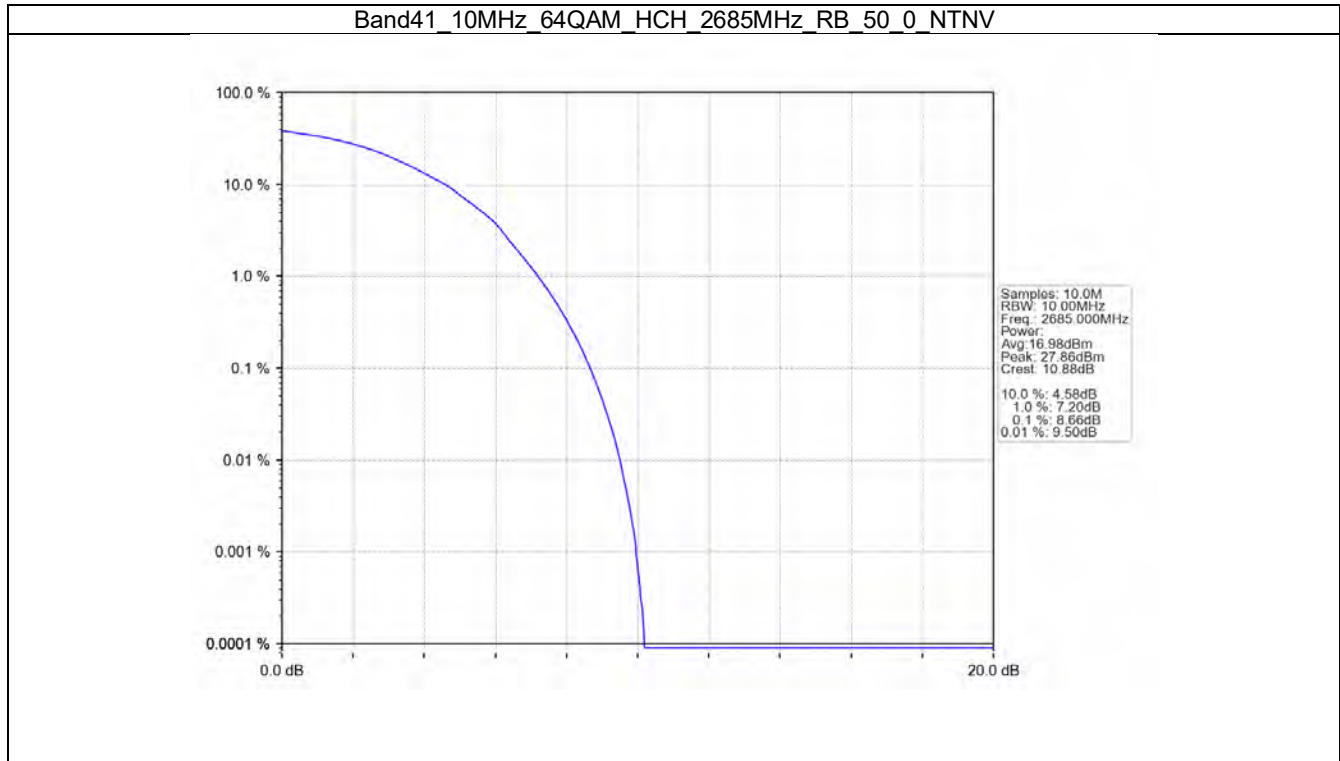


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## 4.3 B41\_15MHz

### 4.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.74	<=13	Pass
	2593	75	0	7.49	<=13	Pass
	2682.5	75	0	7.65	<=13	Pass
16QAM	2503.5	75	0	8.33	<=13	Pass
	2593	75	0	7.94	<=13	Pass
	2682.5	75	0	8.35	<=13	Pass
64QAM	2503.5	75	0	8.53	<=13	Pass
	2593	75	0	8.43	<=13	Pass
	2682.5	75	0	8.73	<=13	Pass



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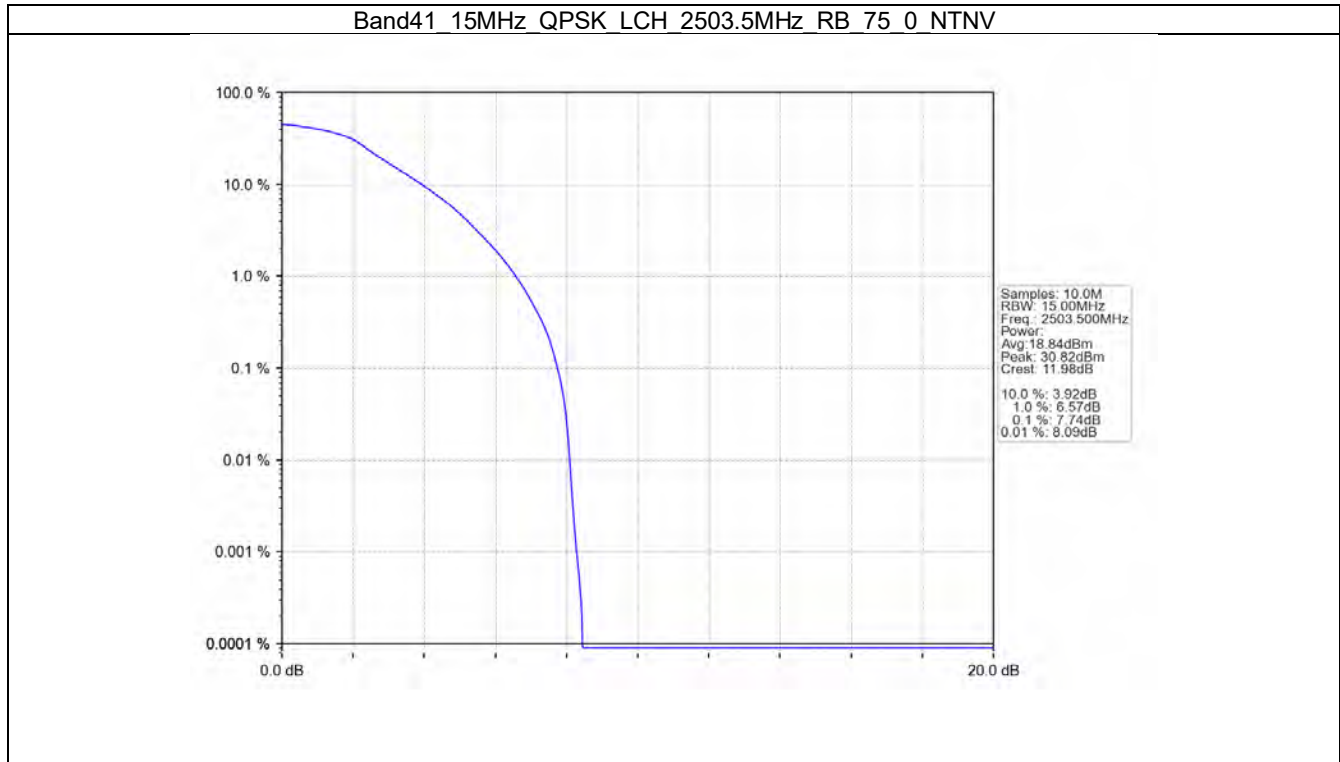
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4.3.2 Test Graph



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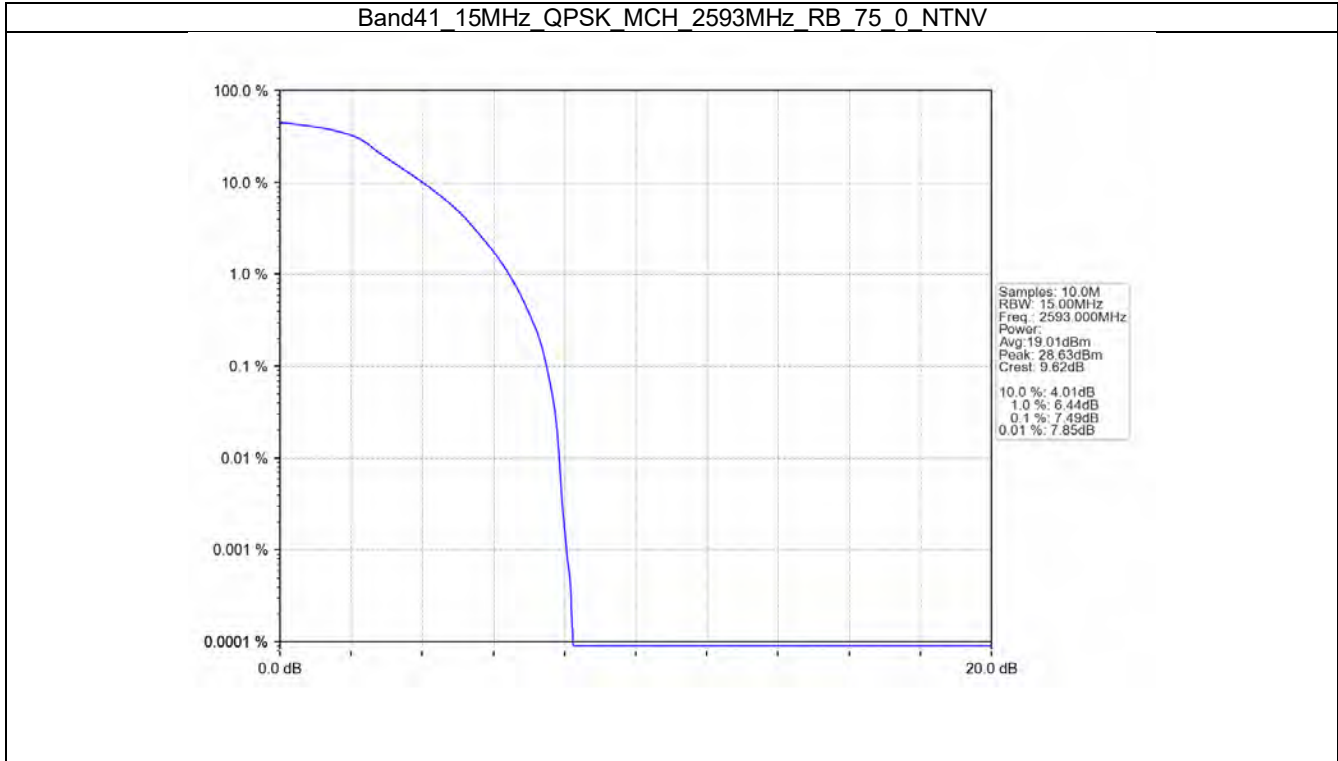
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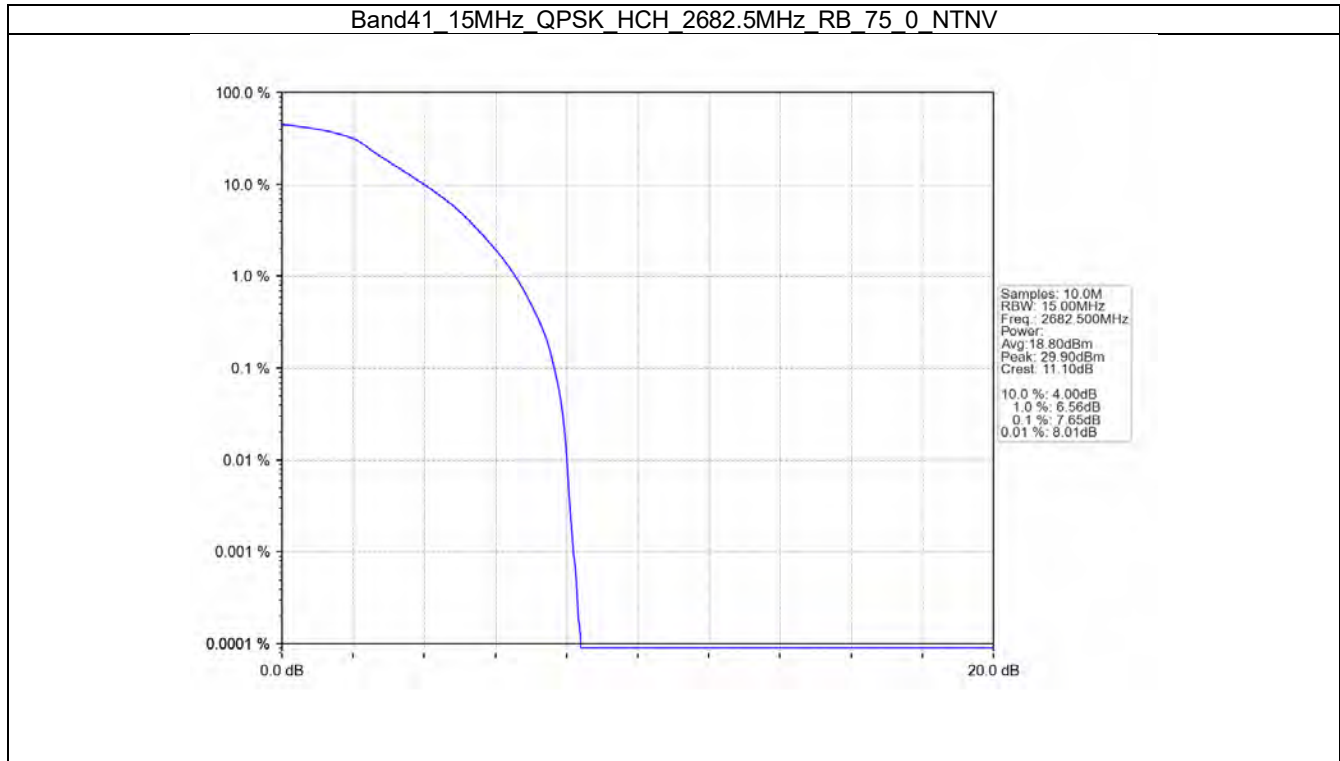
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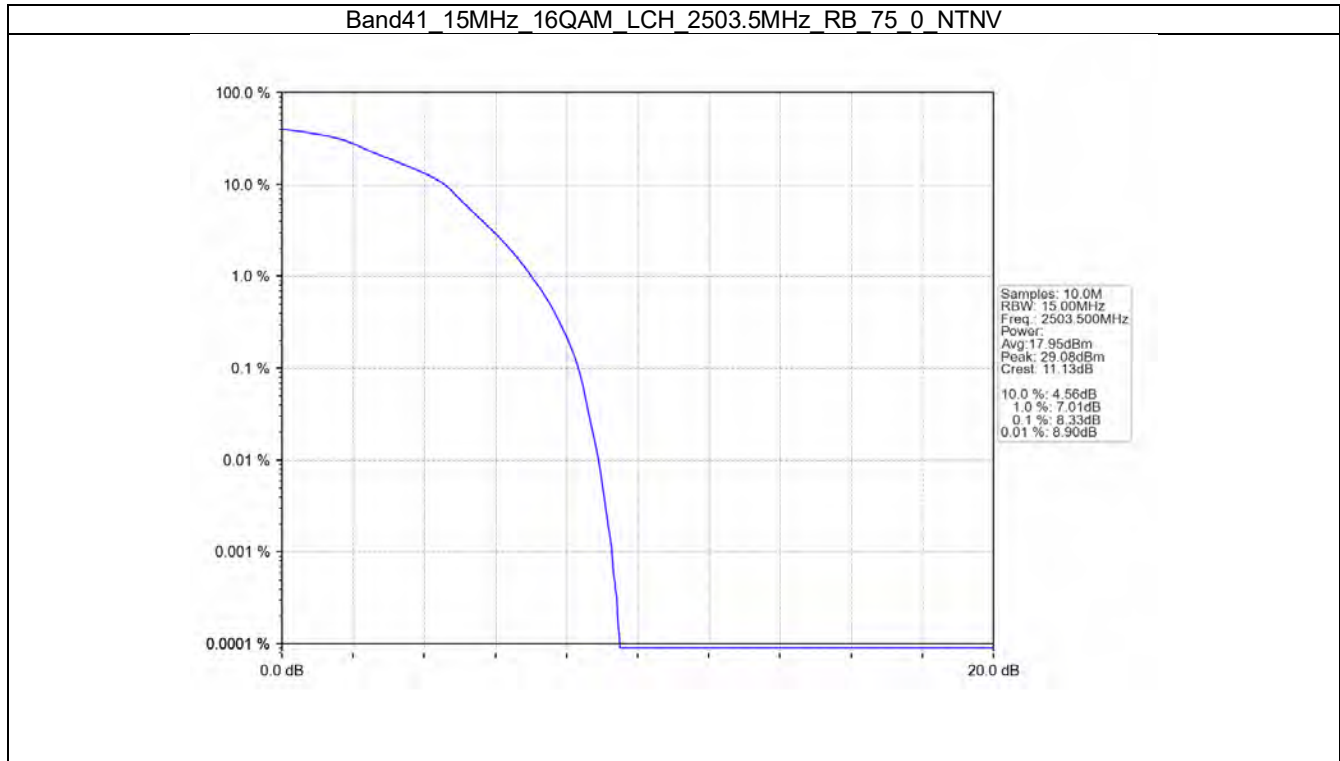


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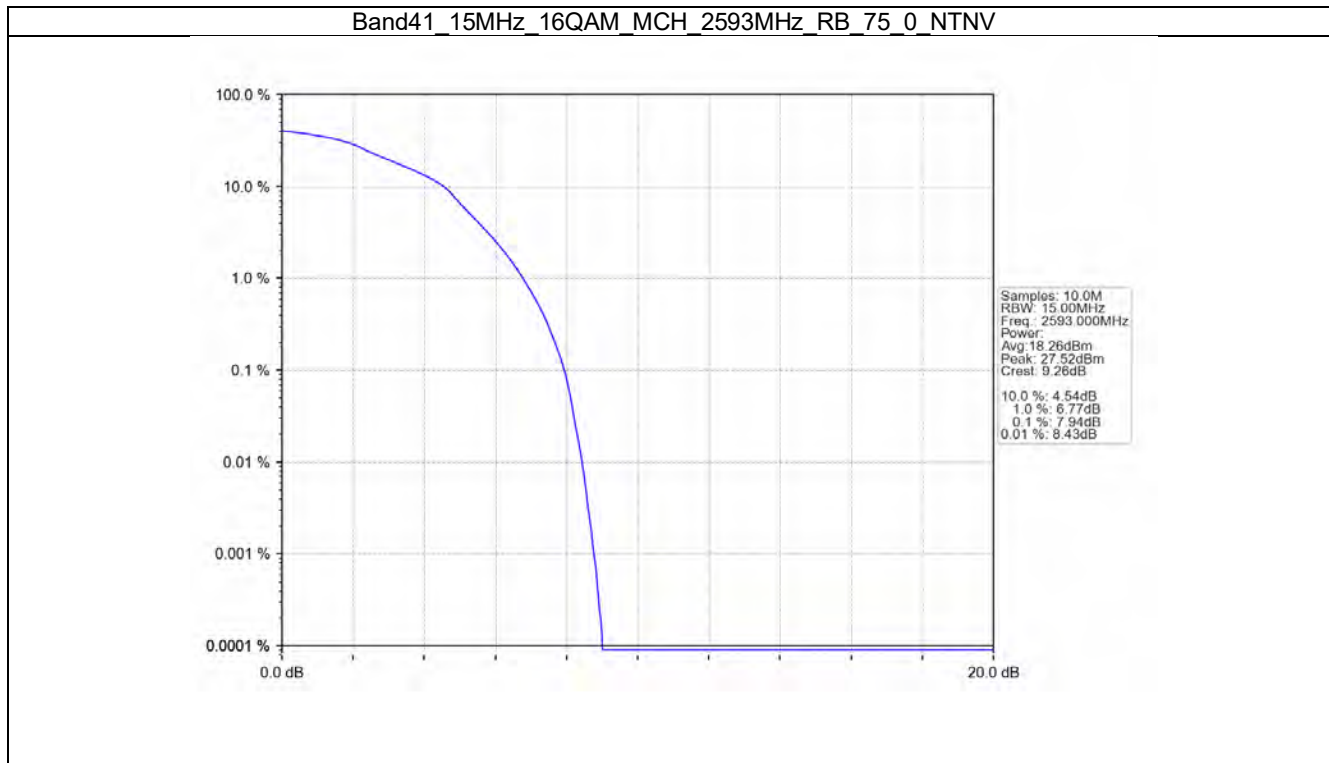
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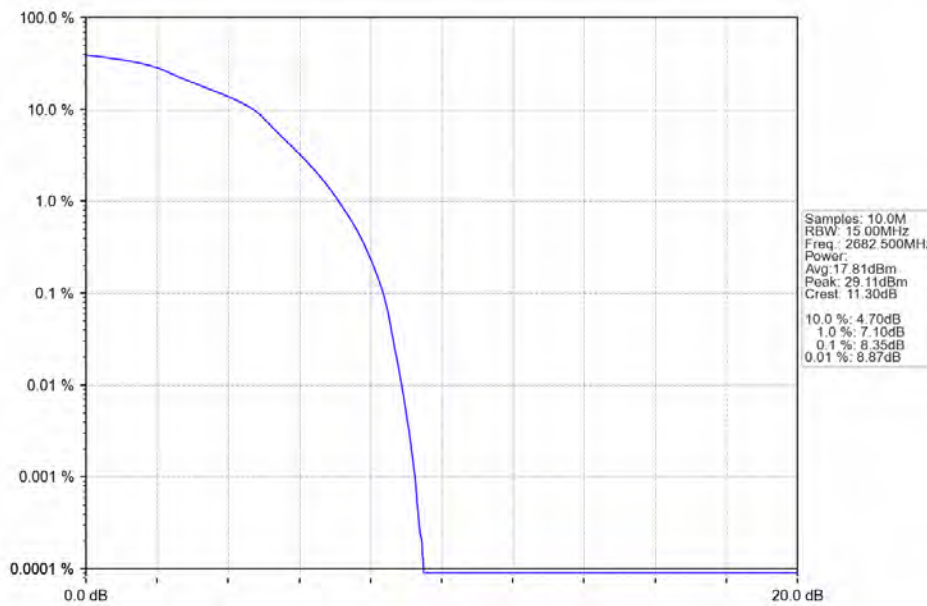
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Band41\_15MHz\_16QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



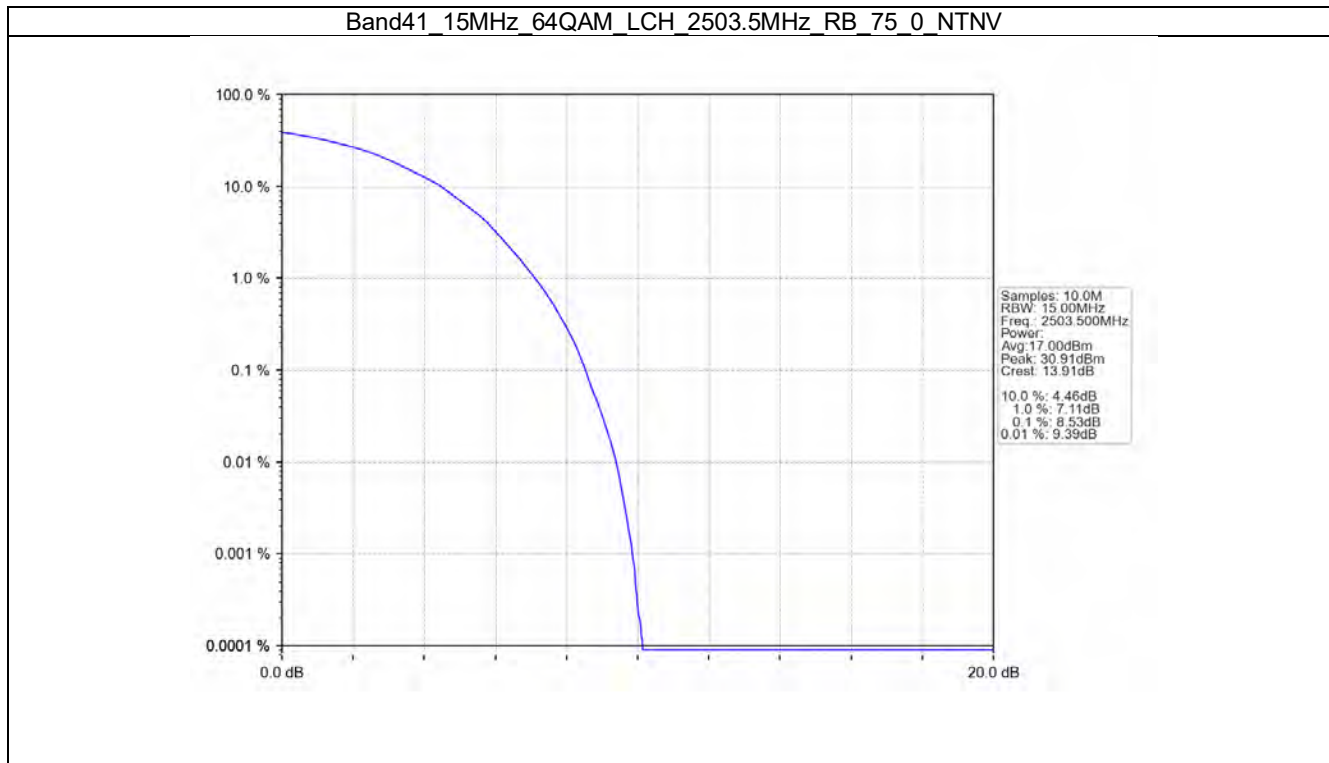
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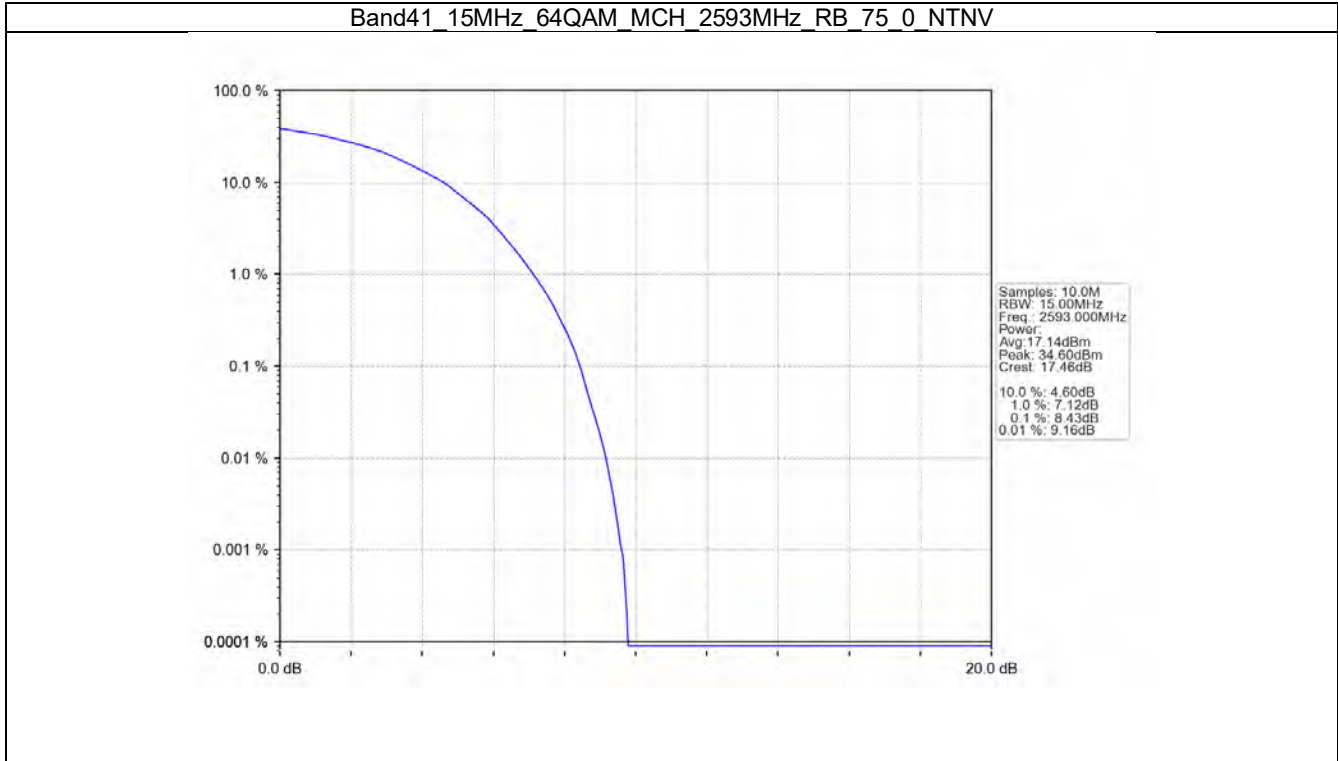


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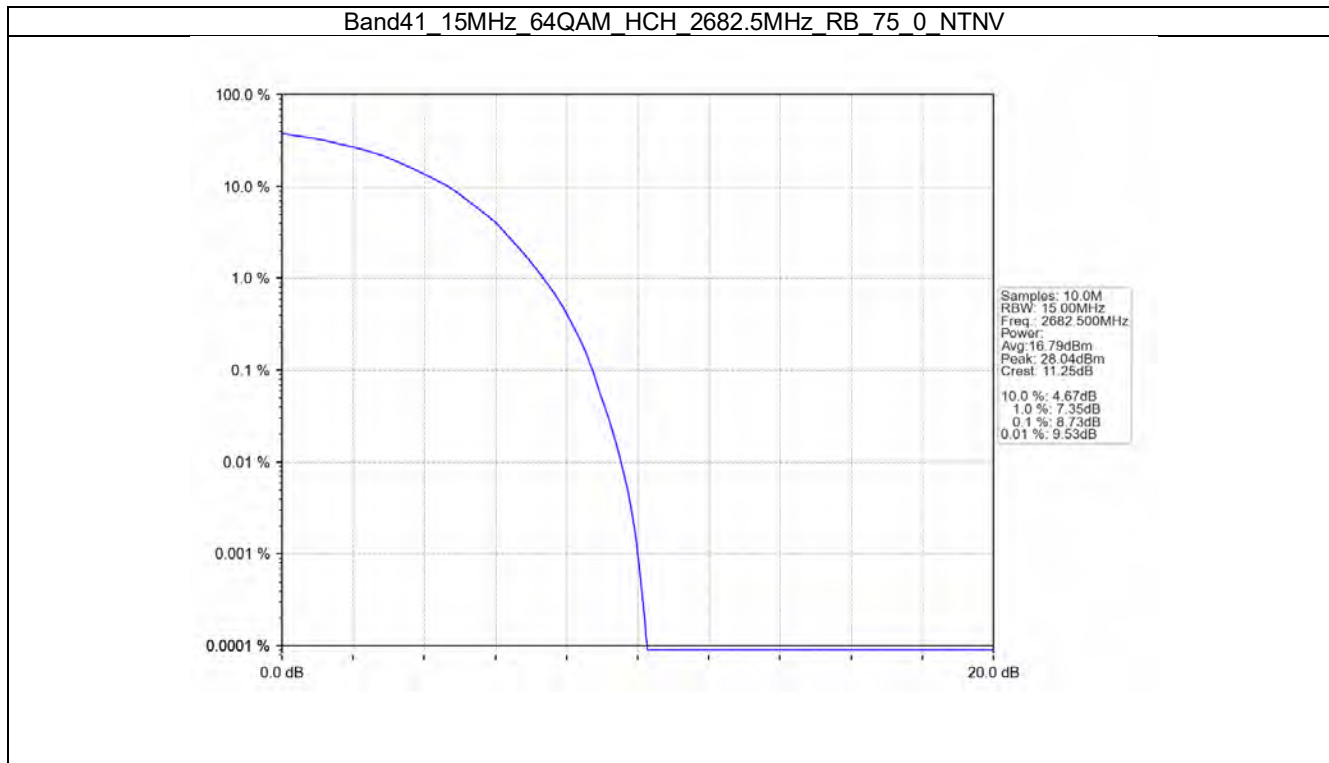
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Band41\_15MHz\_64QAM\_HCH\_2682.5MHz\_RB\_75\_0\_NTNV



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## 4.4 B41\_20MHz

### 4.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.40	<=13	Pass
	2593	100	0	6.86	<=13	Pass
	2680	100	0	7.26	<=13	Pass
16QAM	2506	100	0	8.45	<=13	Pass
	2593	100	0	8.17	<=13	Pass
	2680	100	0	8.32	<=13	Pass
64QAM	2506	100	0	8.59	<=13	Pass
	2593	100	0	8.33	<=13	Pass
	2680	100	0	8.51	<=13	Pass



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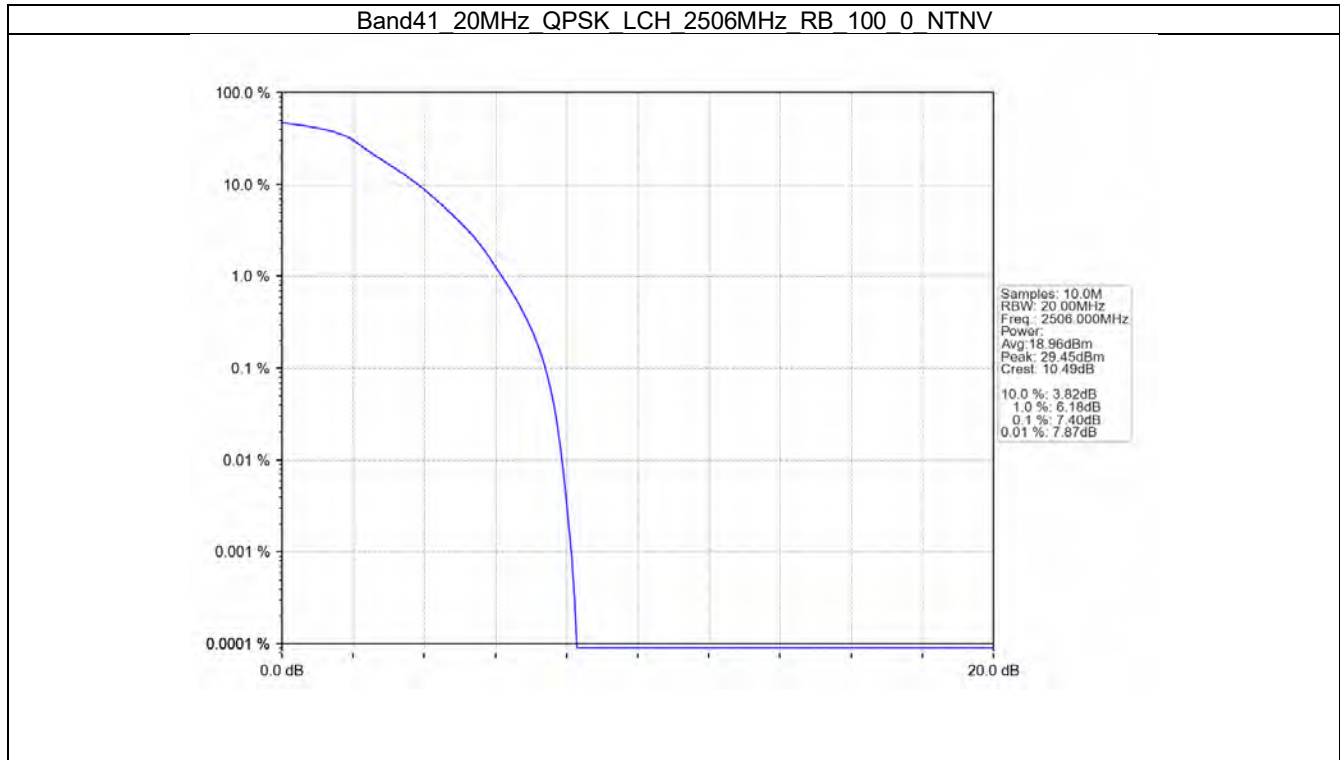
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4.4.2 Test Graph



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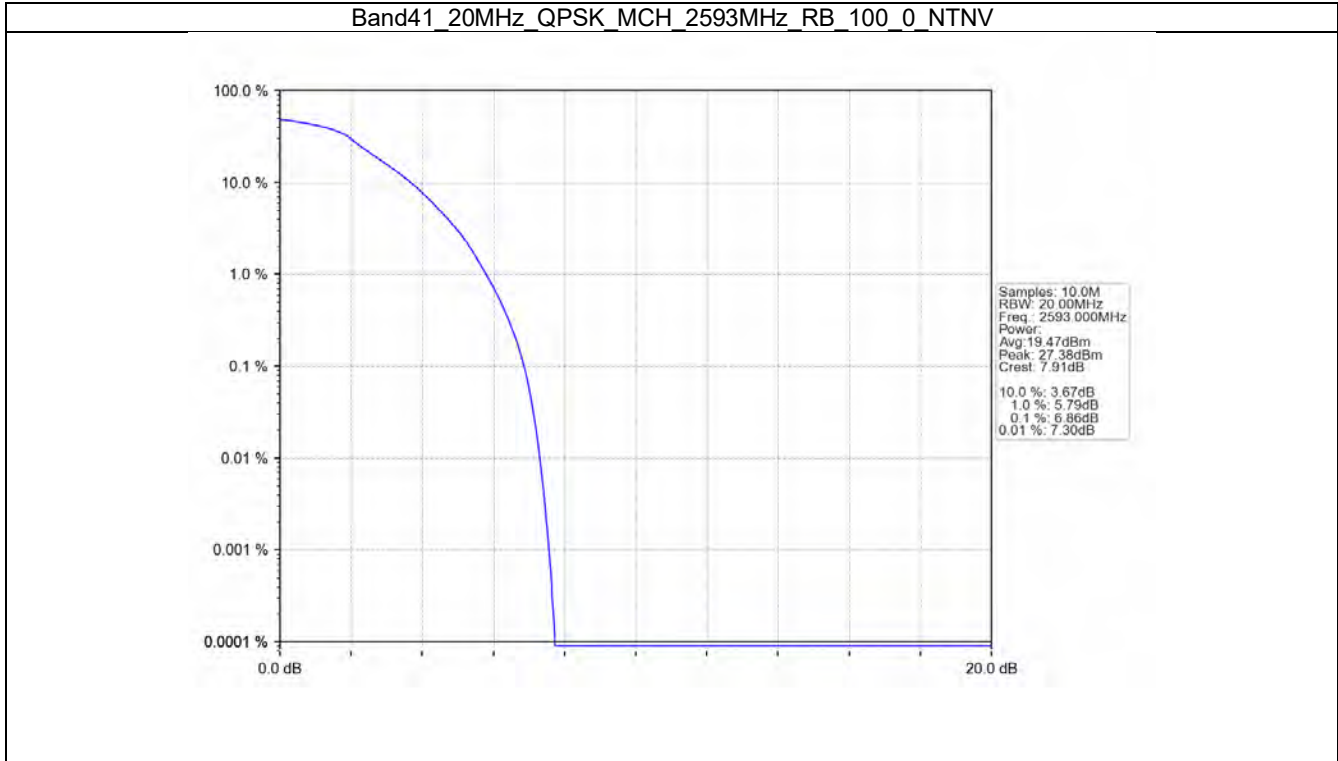


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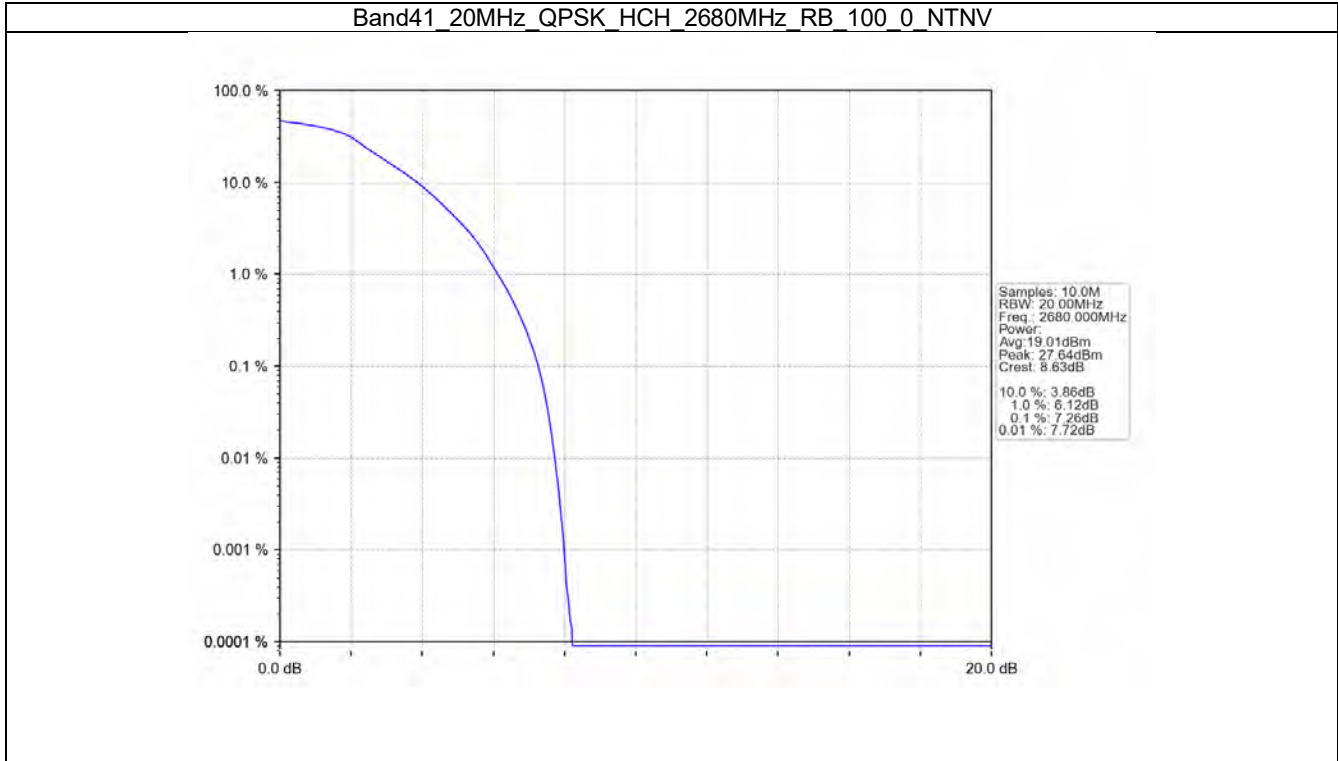


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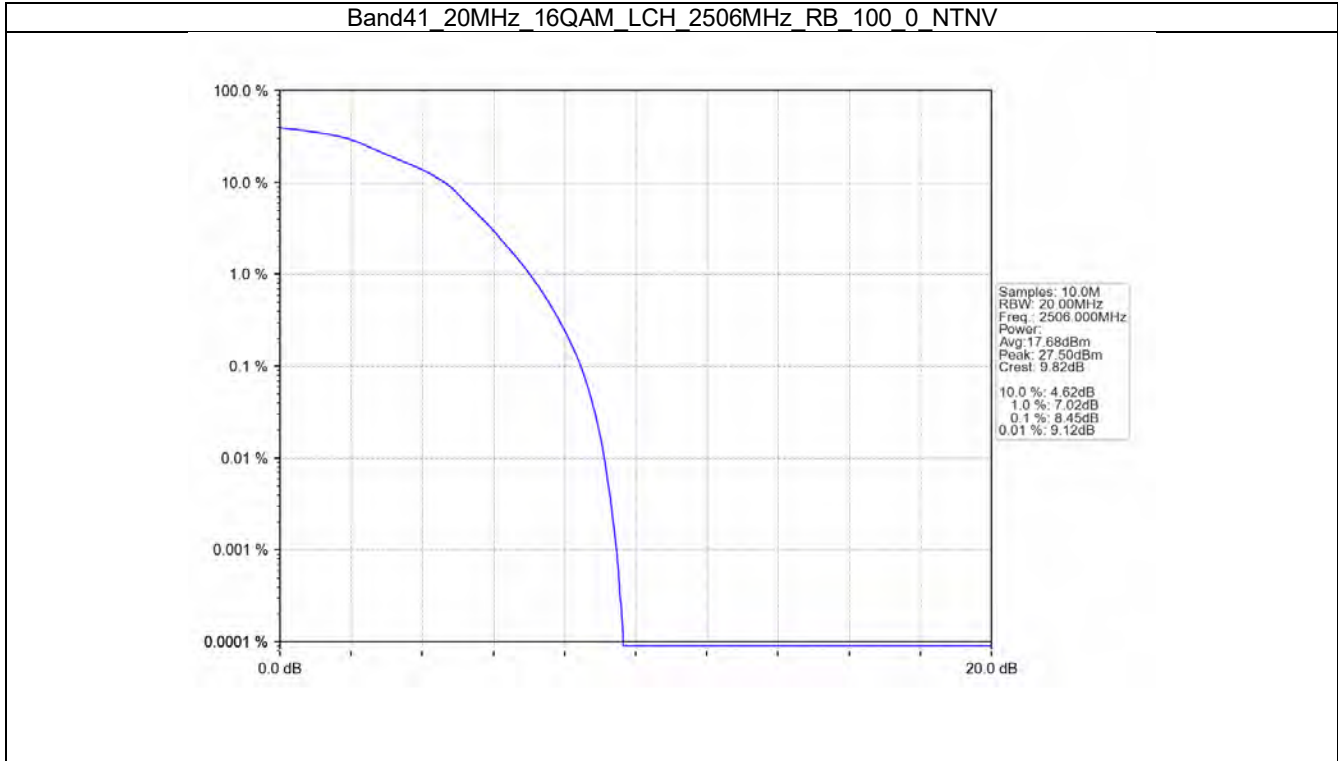


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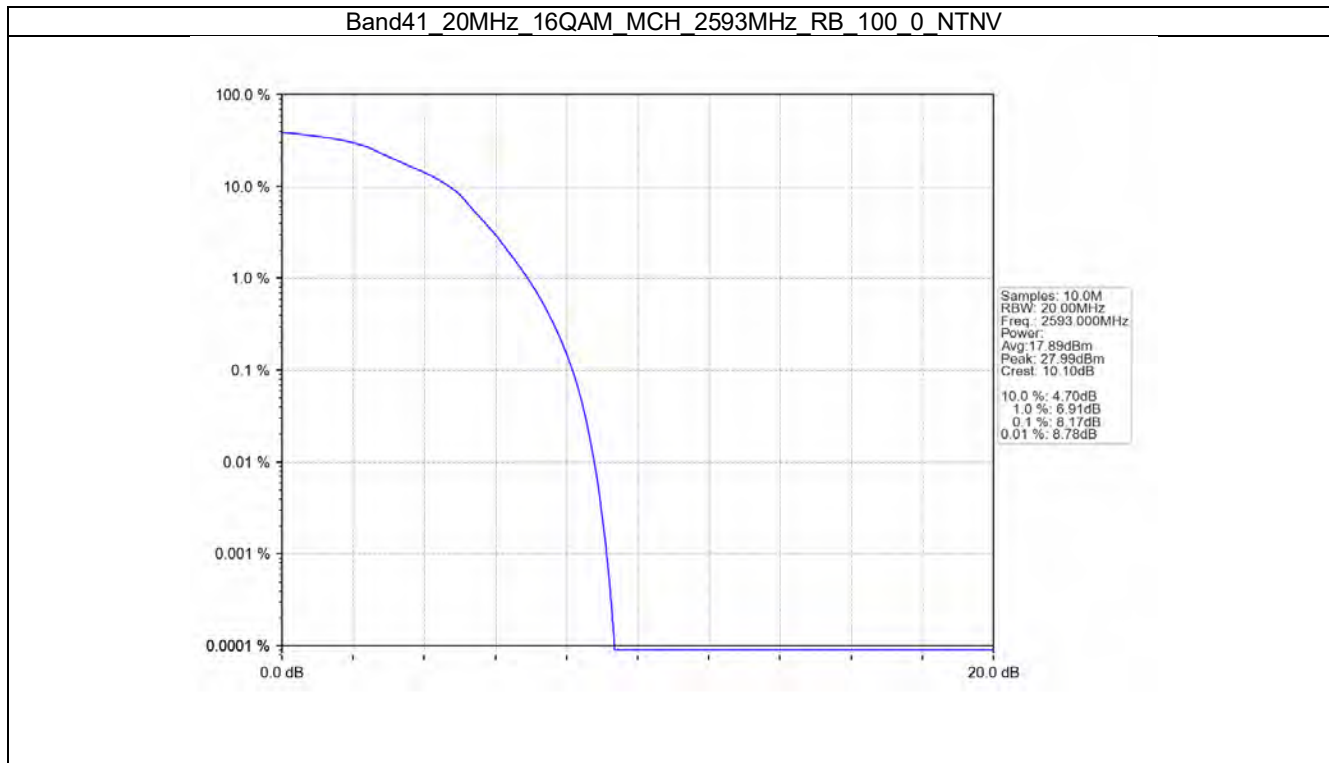
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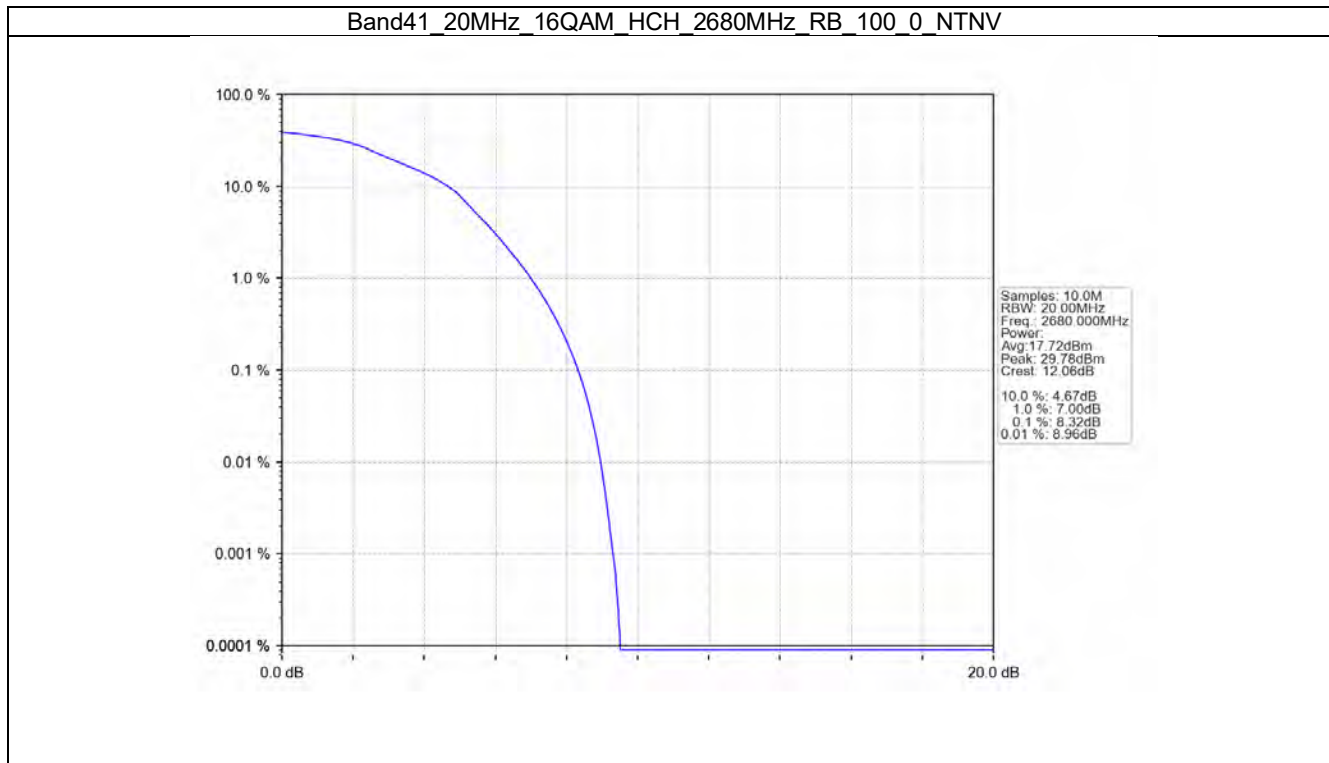
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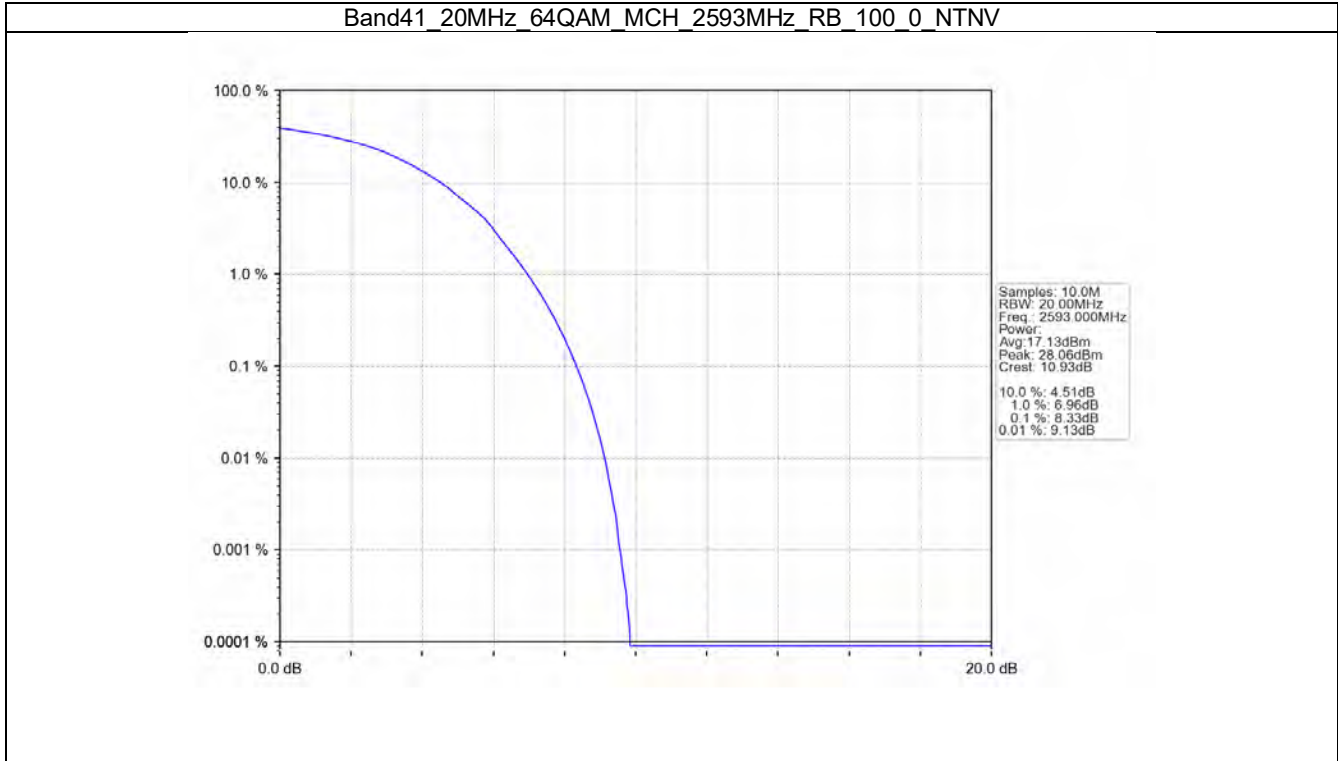


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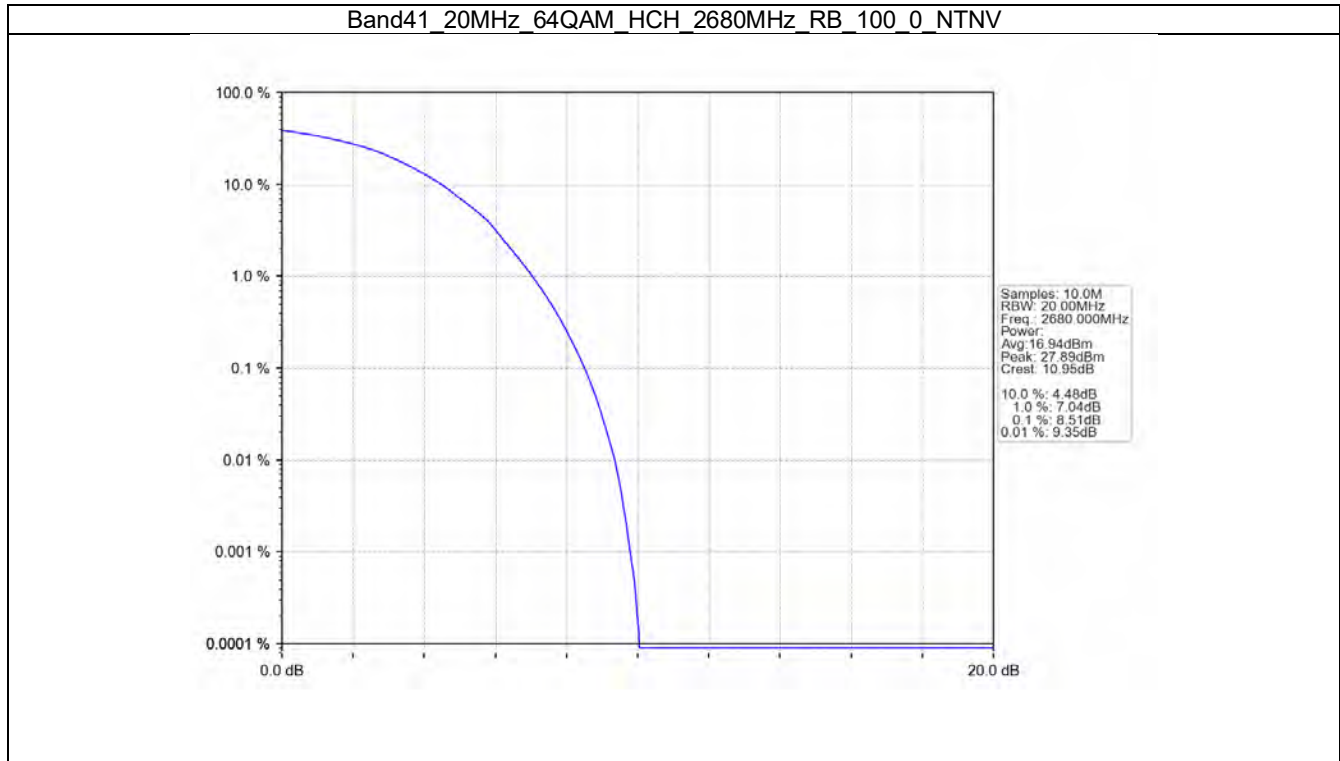


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## 5. Spurious Emission

### 5.1 B41\_5MHz

#### 5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTN						
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
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	2498.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2593	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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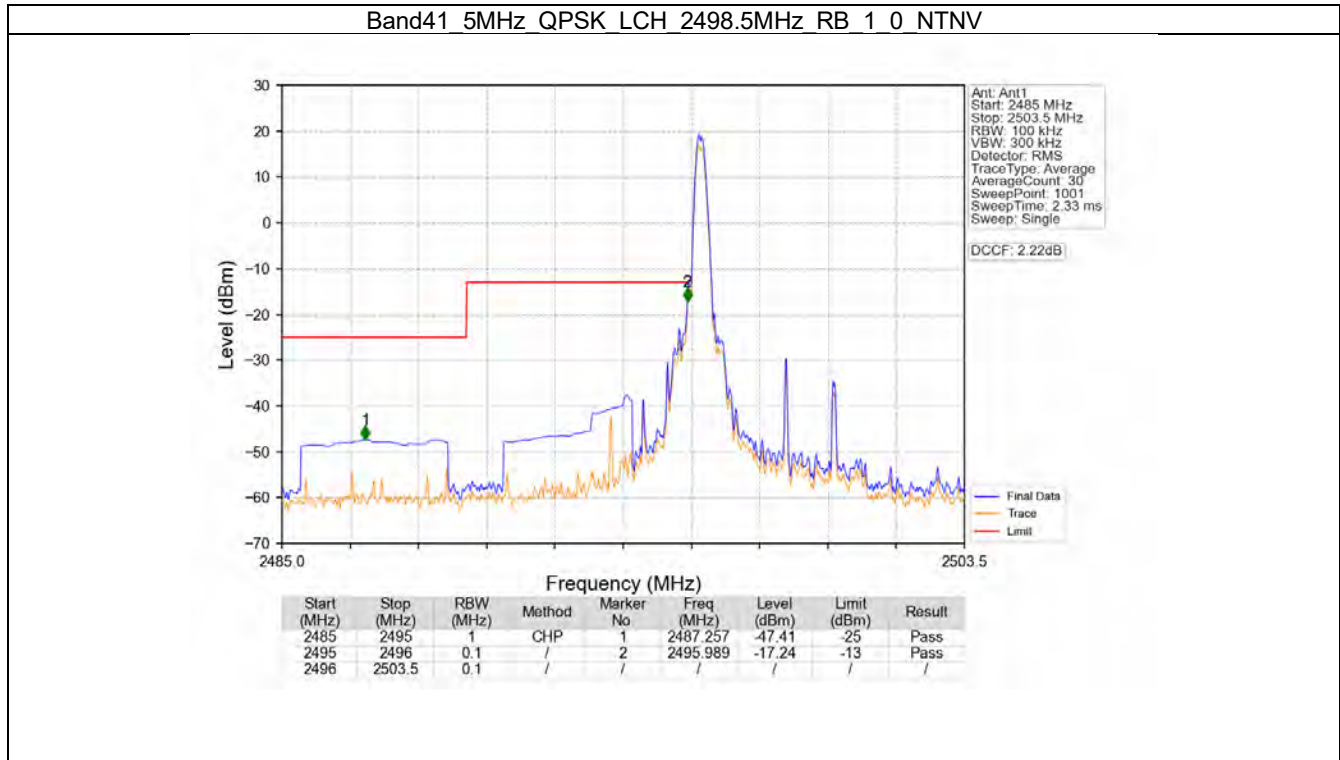
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5.1.2 Test Graph



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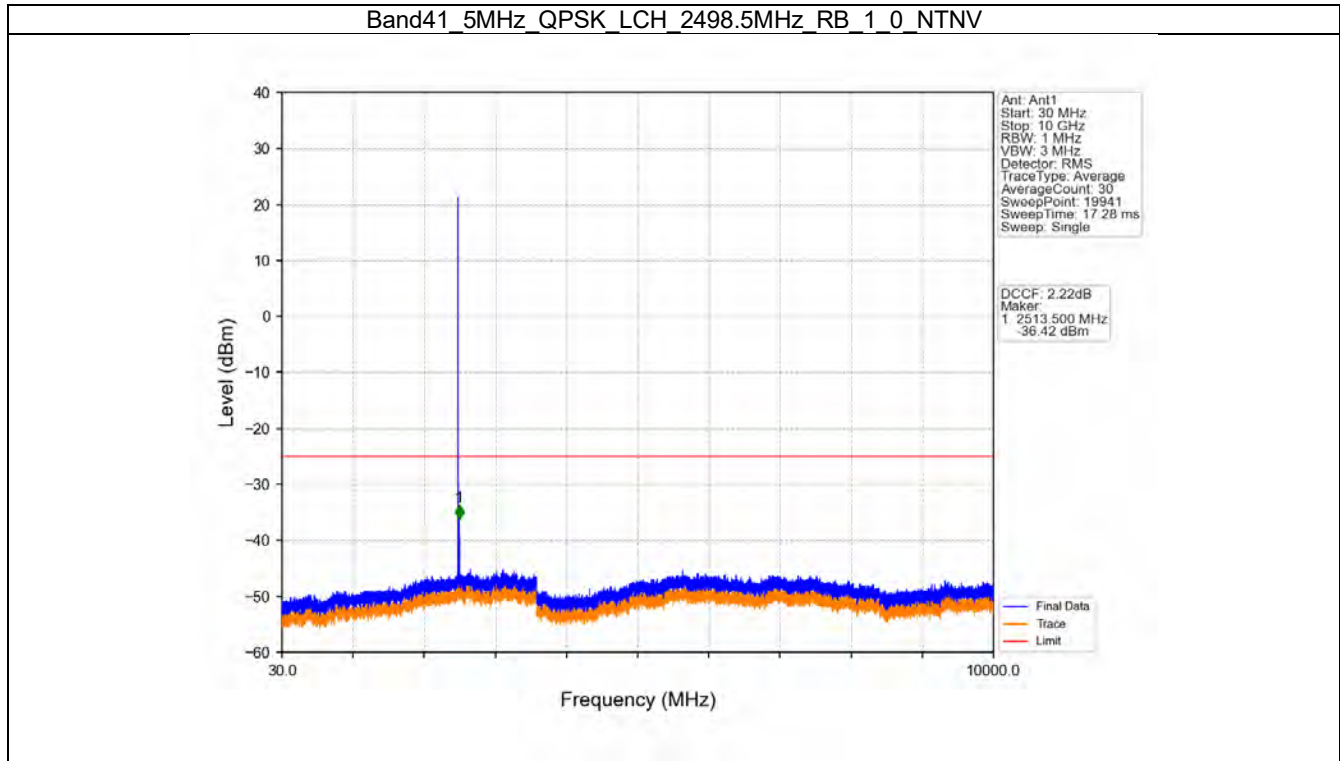


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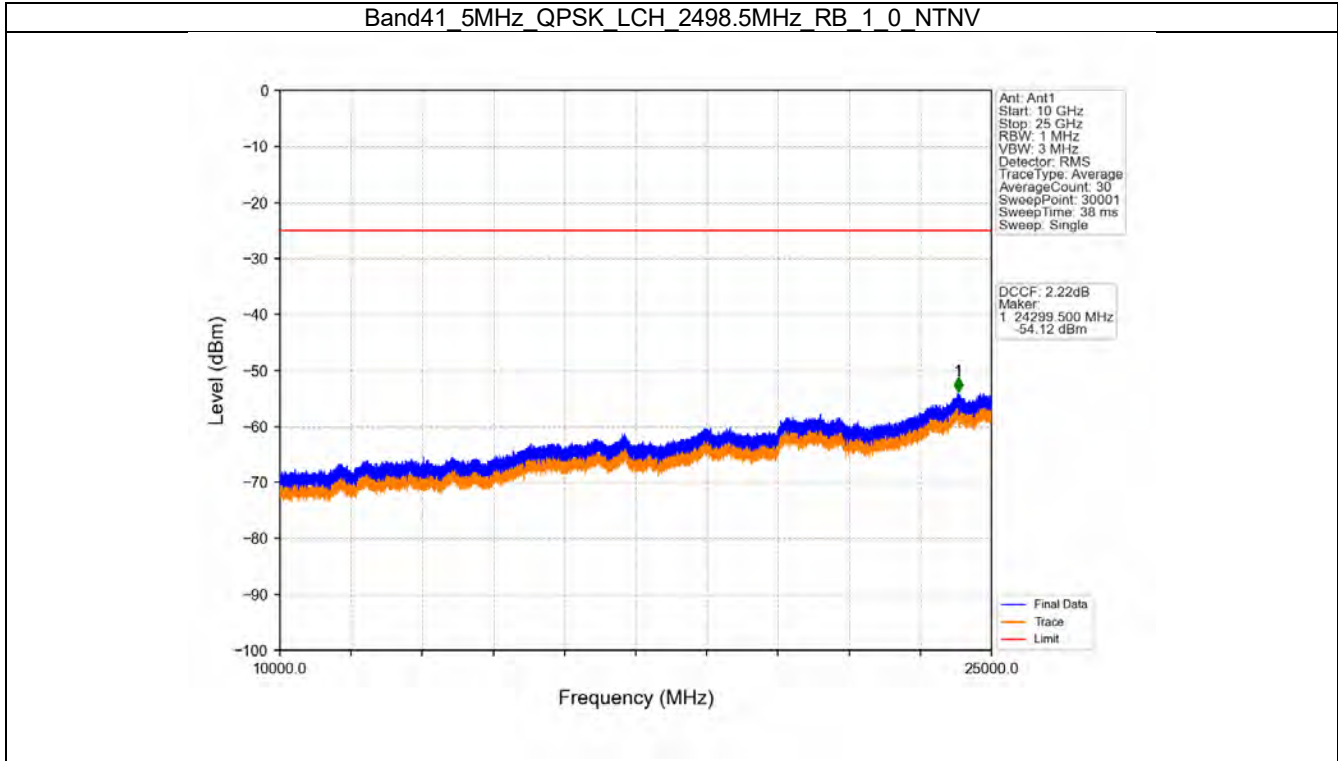
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Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_1\_0\_NTV



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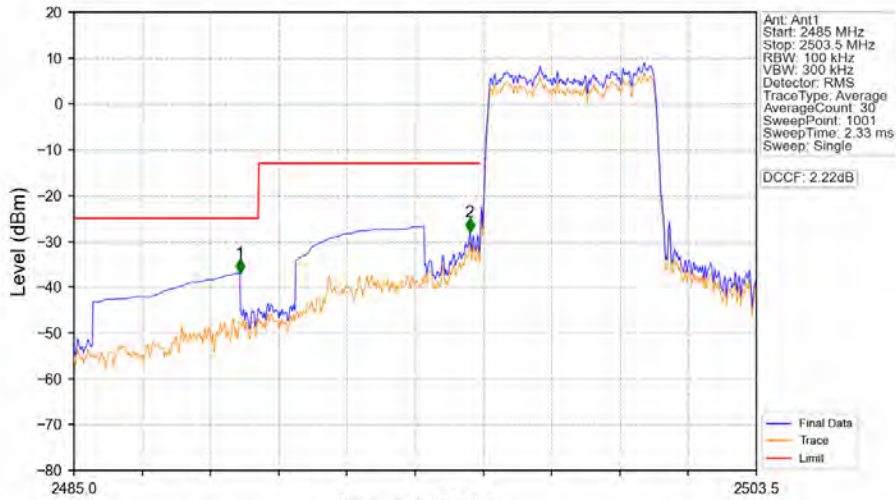
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Band41\_5MHz\_QPSK\_LCH\_2498.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.495	-36.94	-25	Pass
2495	2496	0.1	/	2	2495.730	-27.94	-13	Pass
2496	2503.5	0.104	/	/	/	/	/	/



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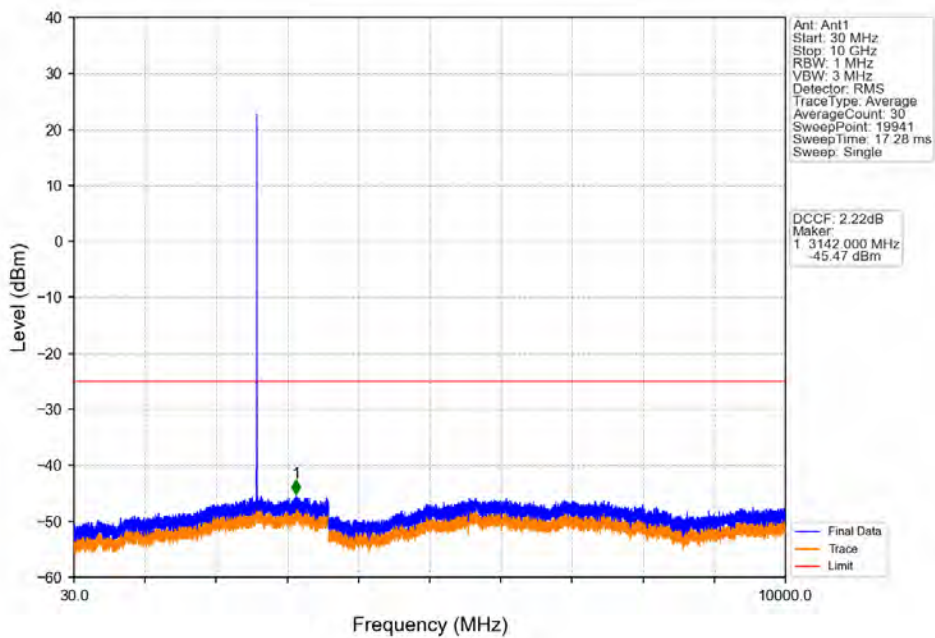
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Band41\_5MHz\_QPSK\_MCH\_2593MHz\_RB\_1\_0\_NTNV



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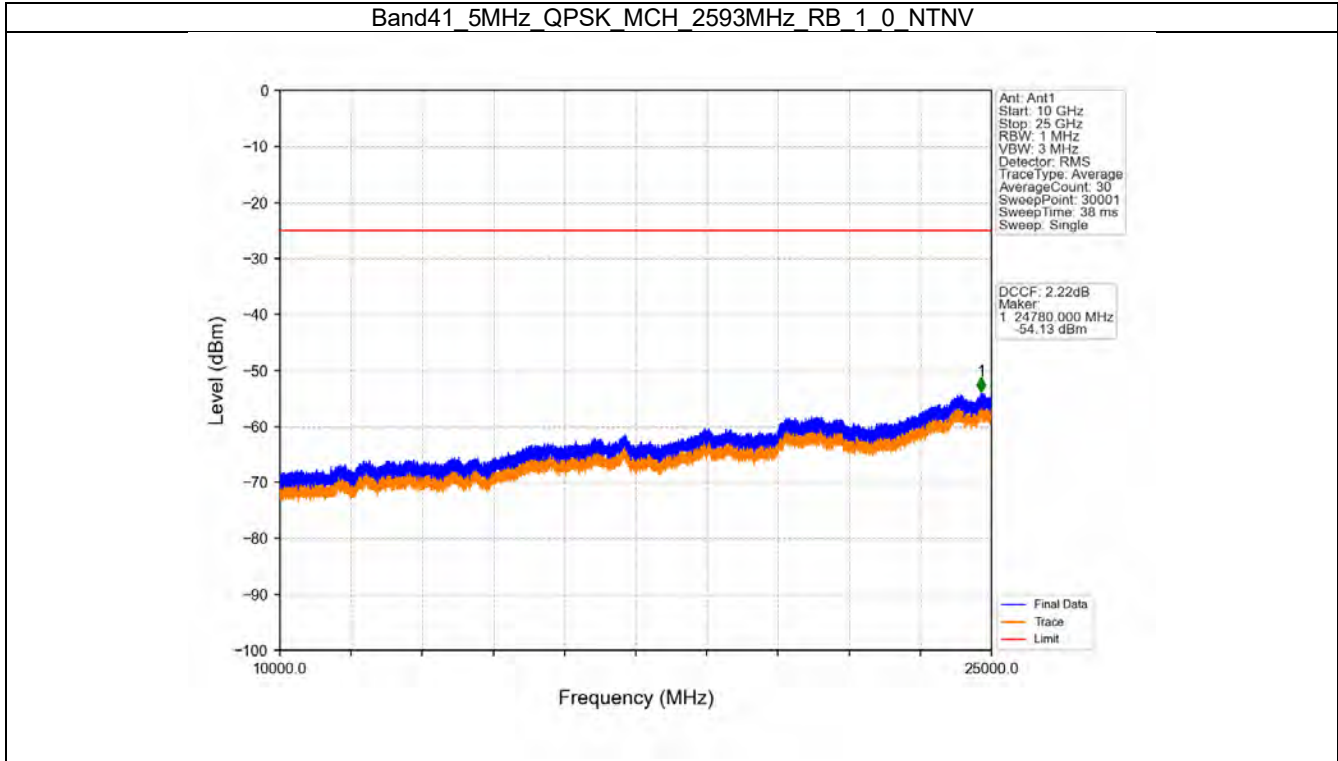


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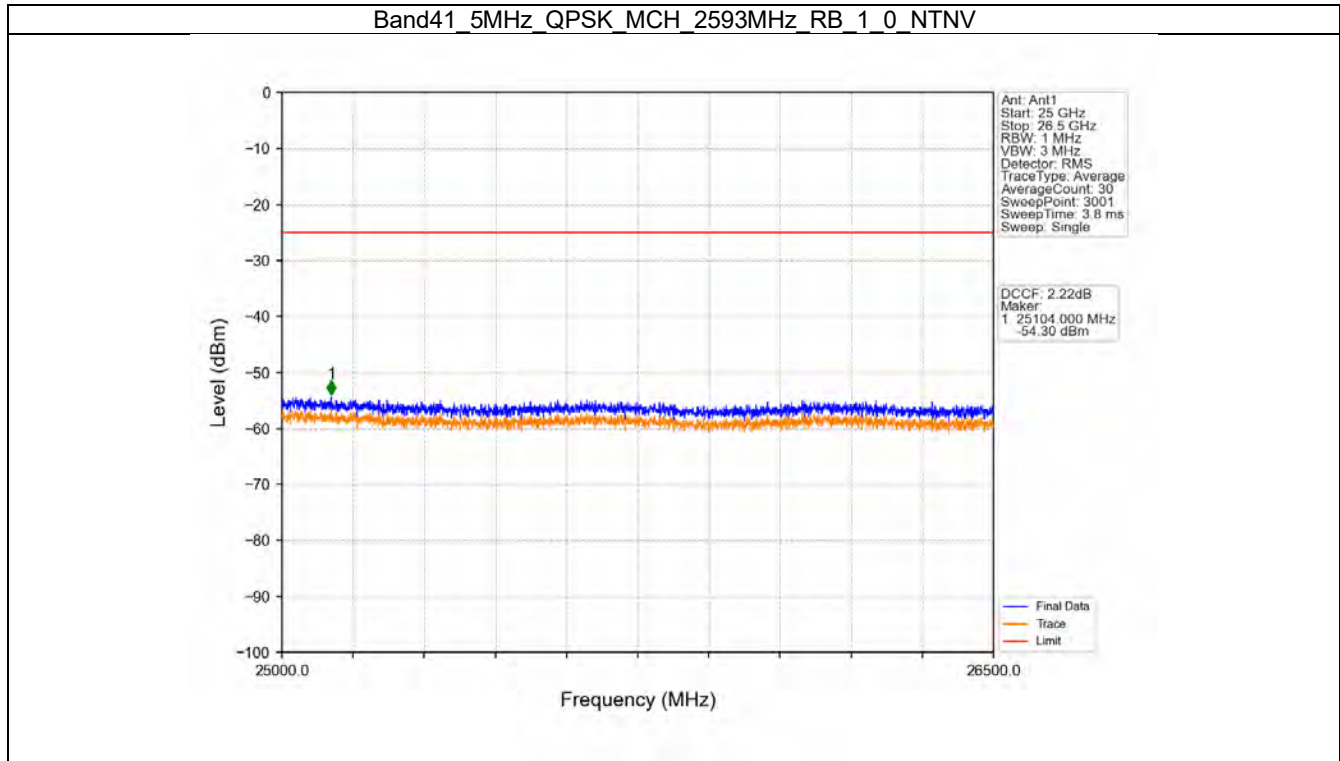


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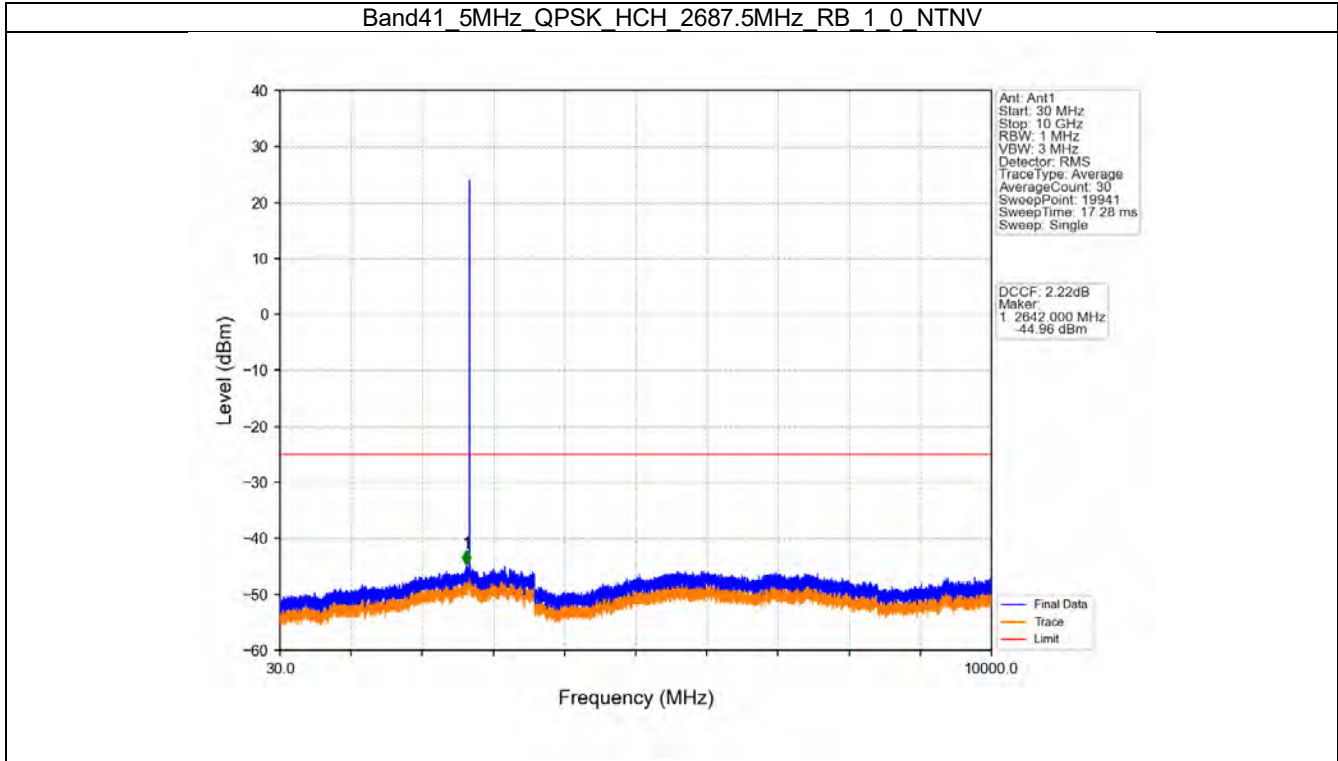


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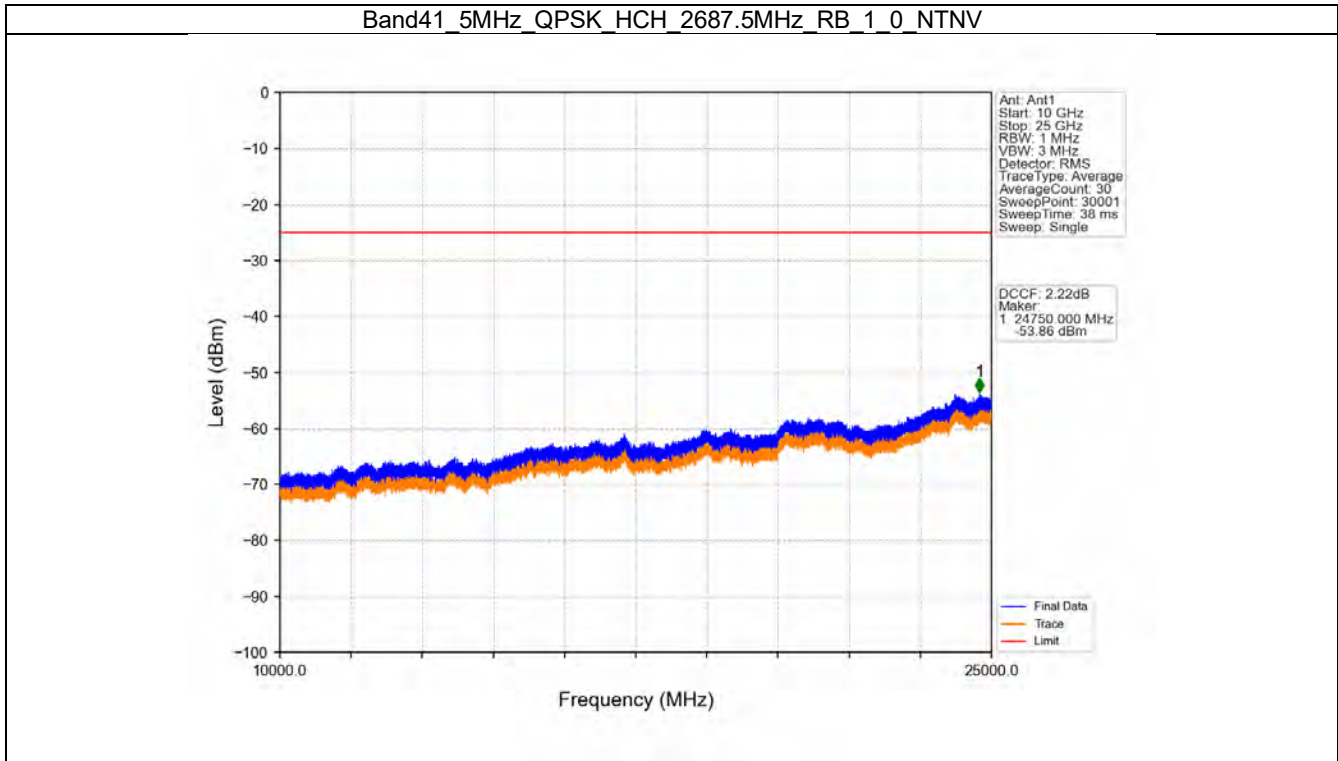


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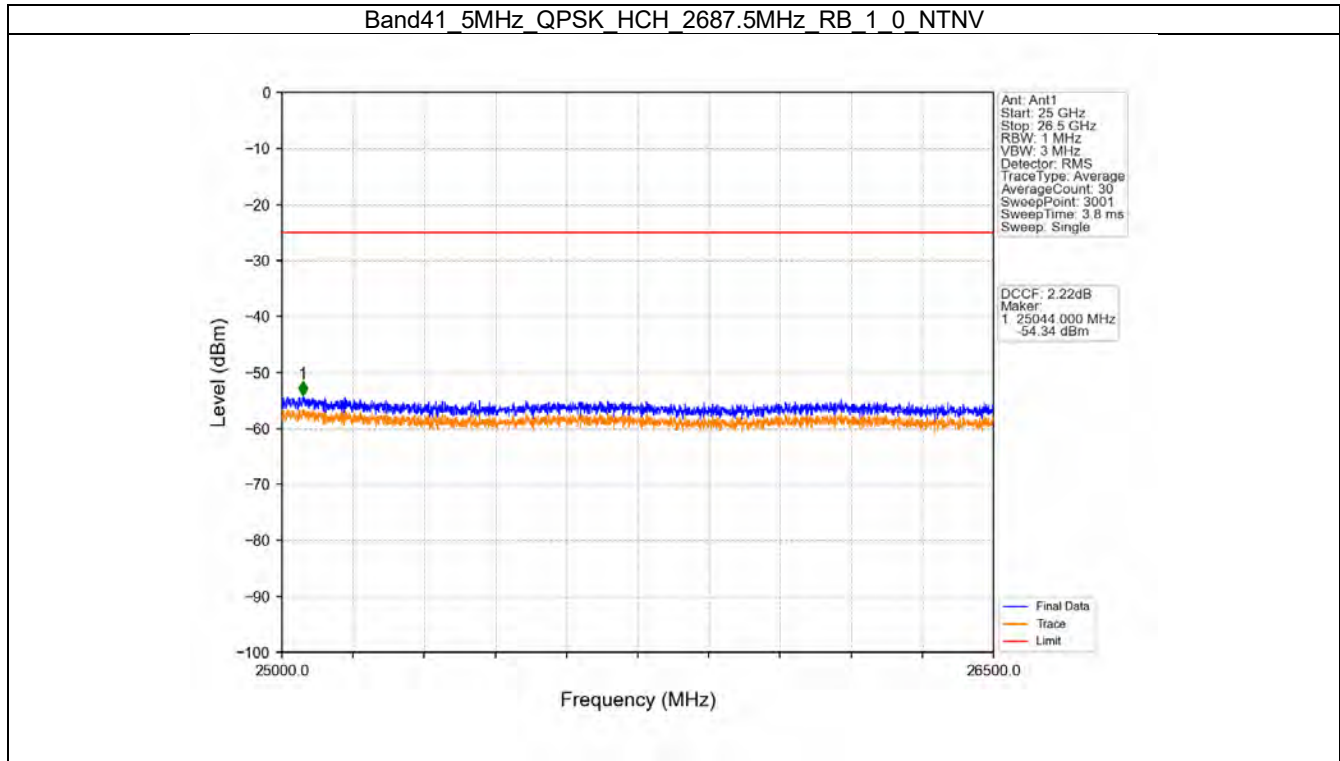


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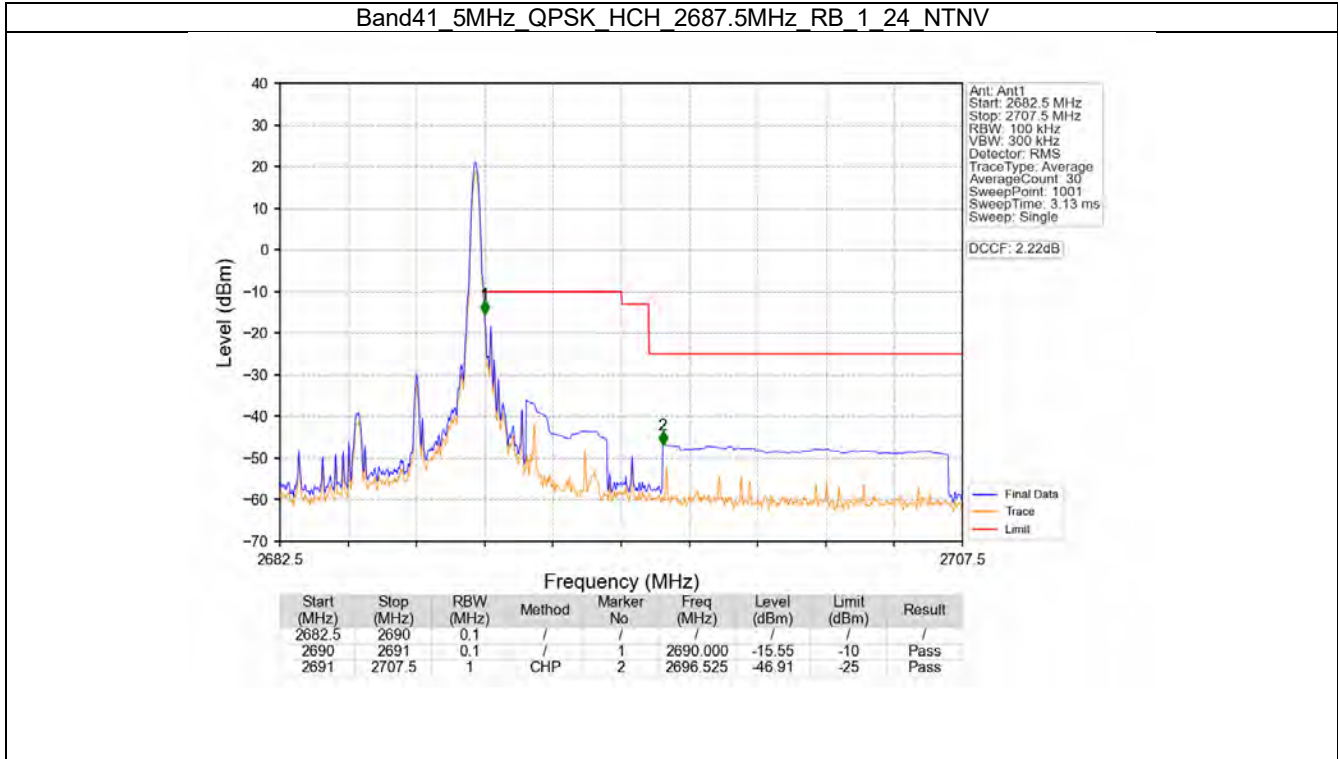


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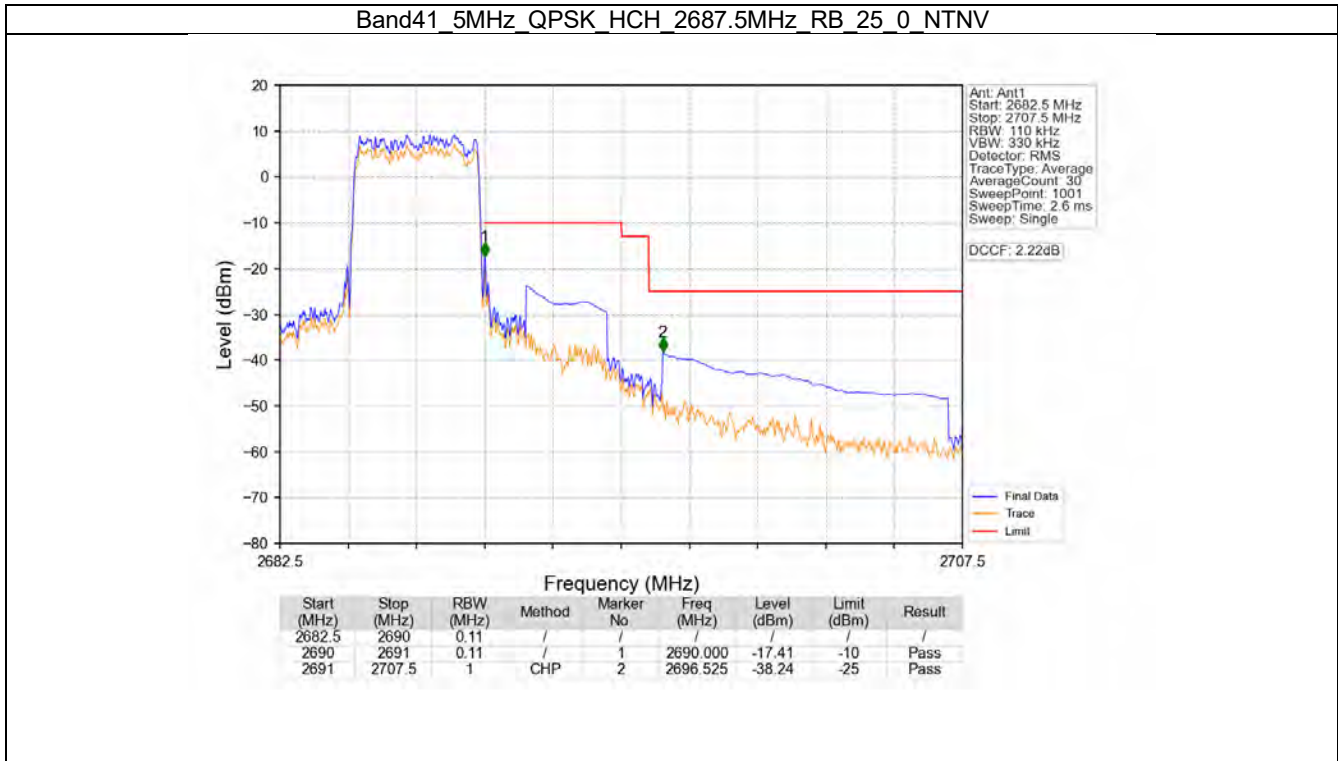


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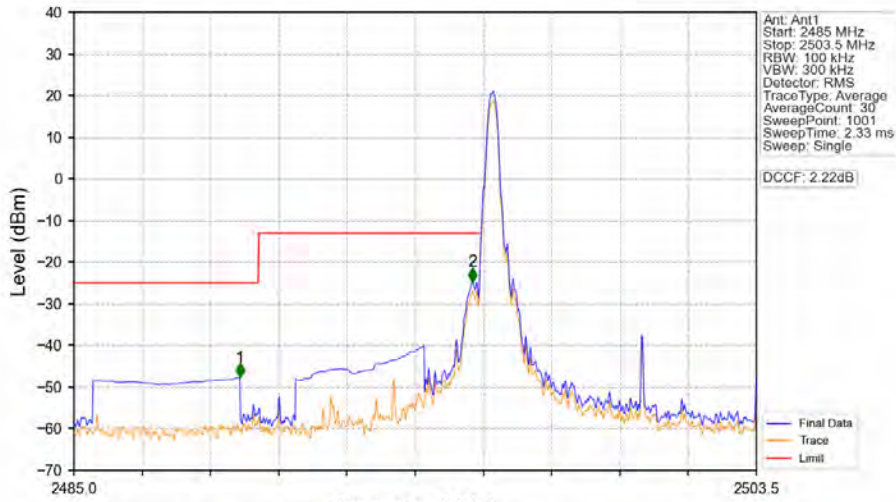
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Band41\_5MHz\_16QAM\_LCH\_2498.5MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2489.495	-47.68	-25	Pass
2495	2496	0.1	/	2	2495.804	-24.71	-13	Pass
2496	2503.5	0.1	/	/	/	/	/	/



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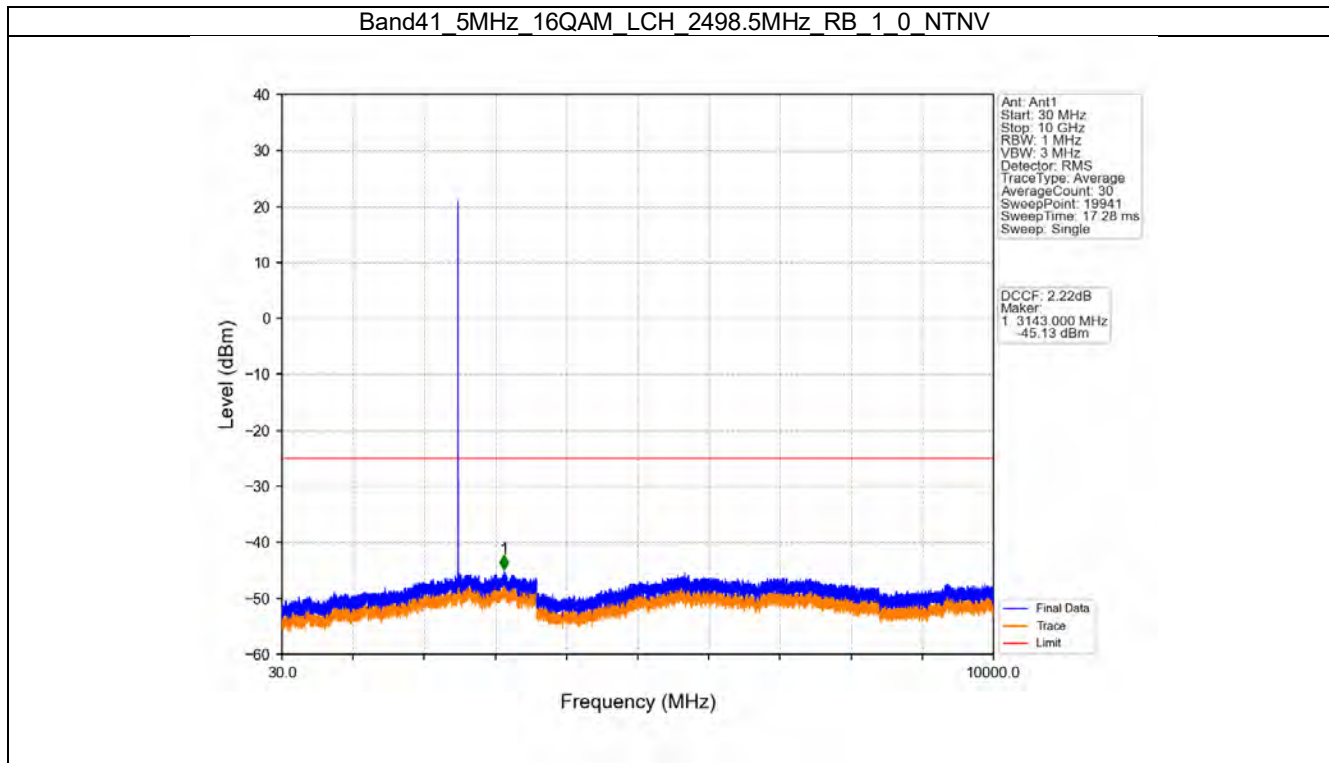
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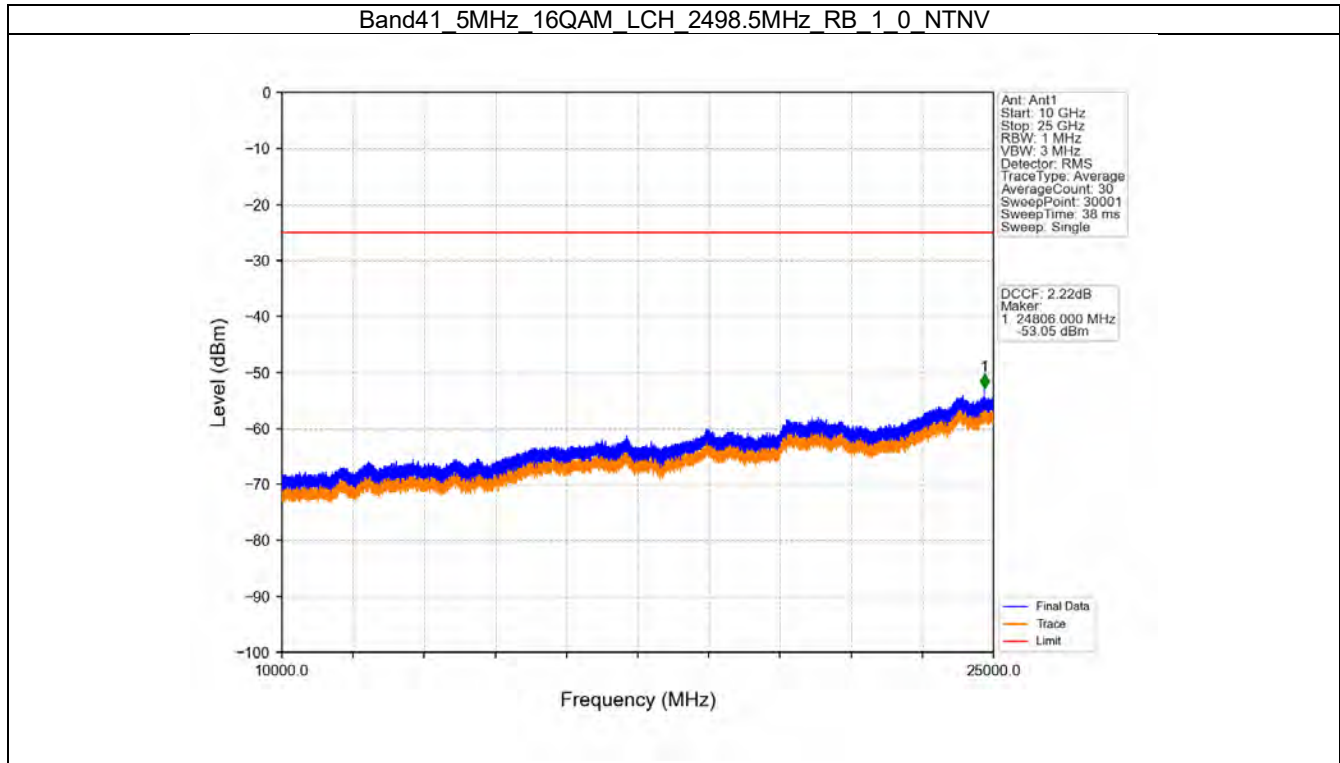


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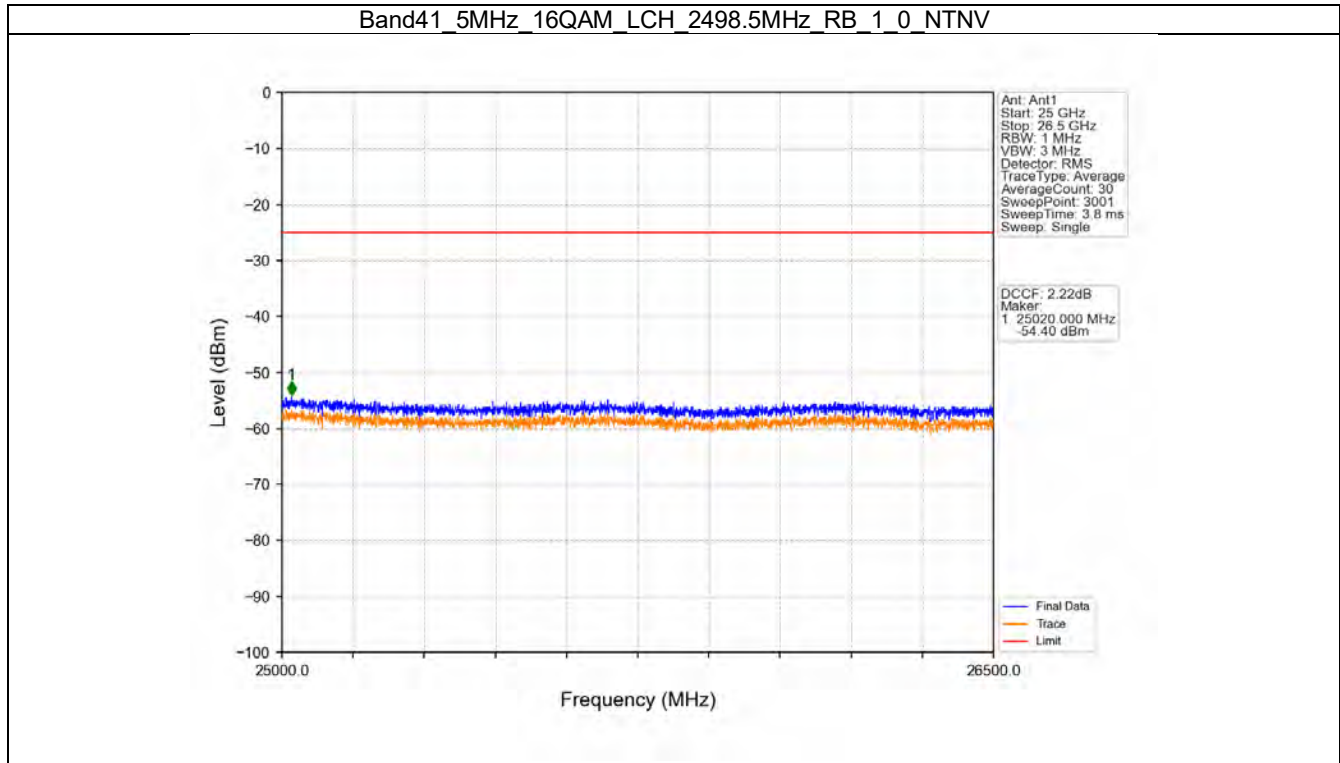


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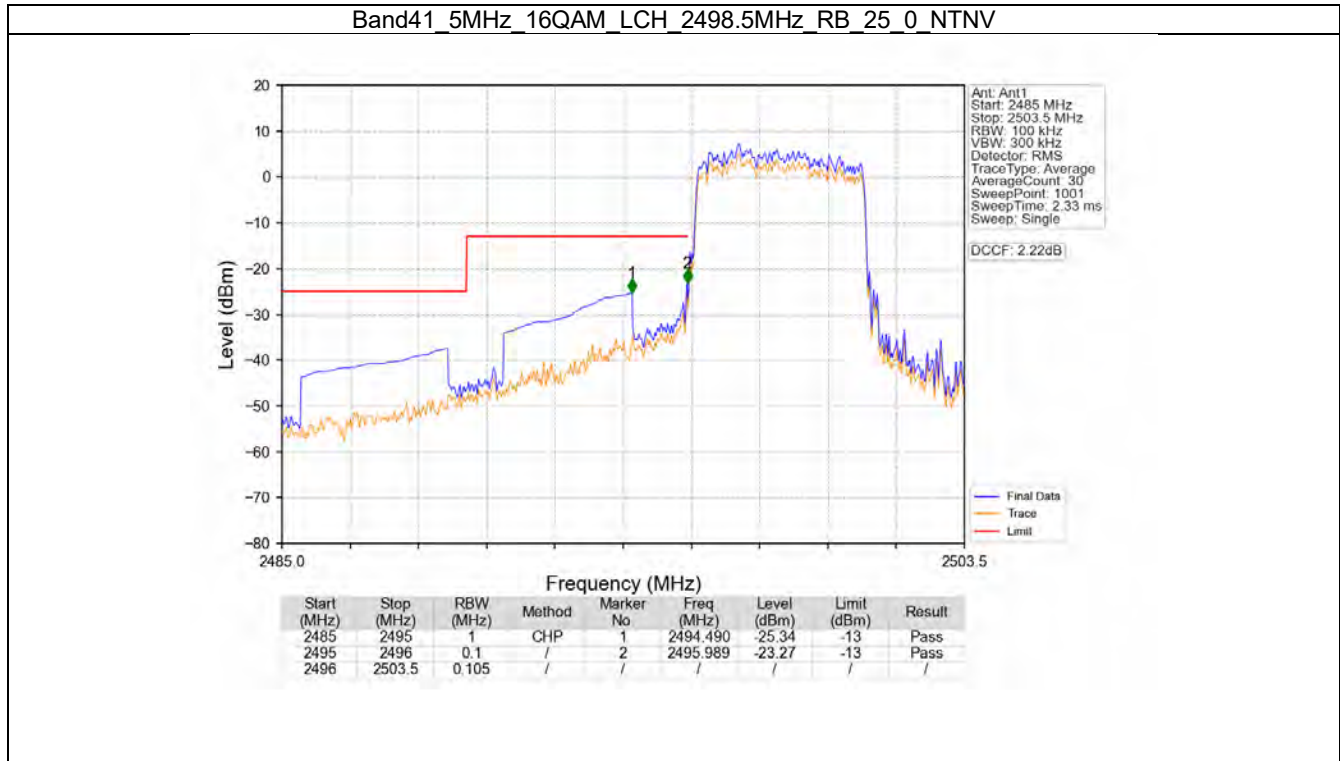


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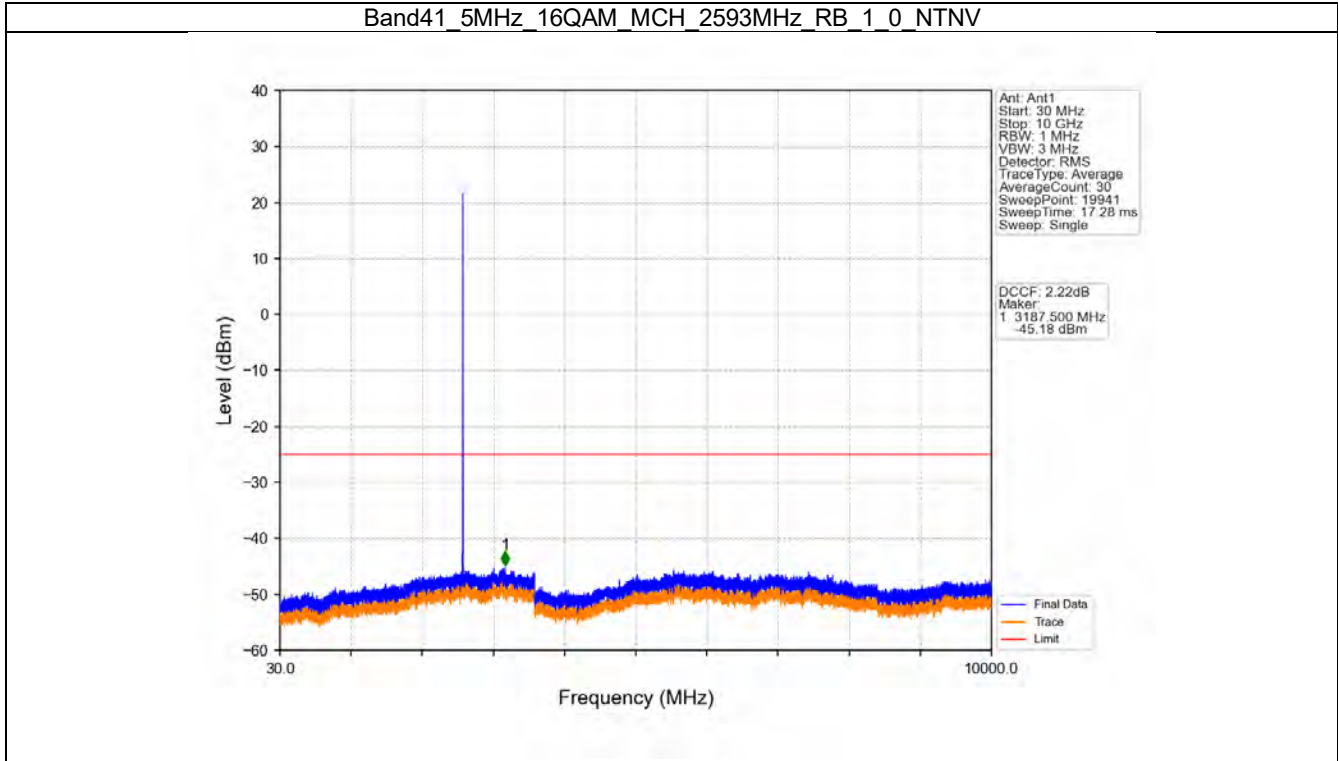


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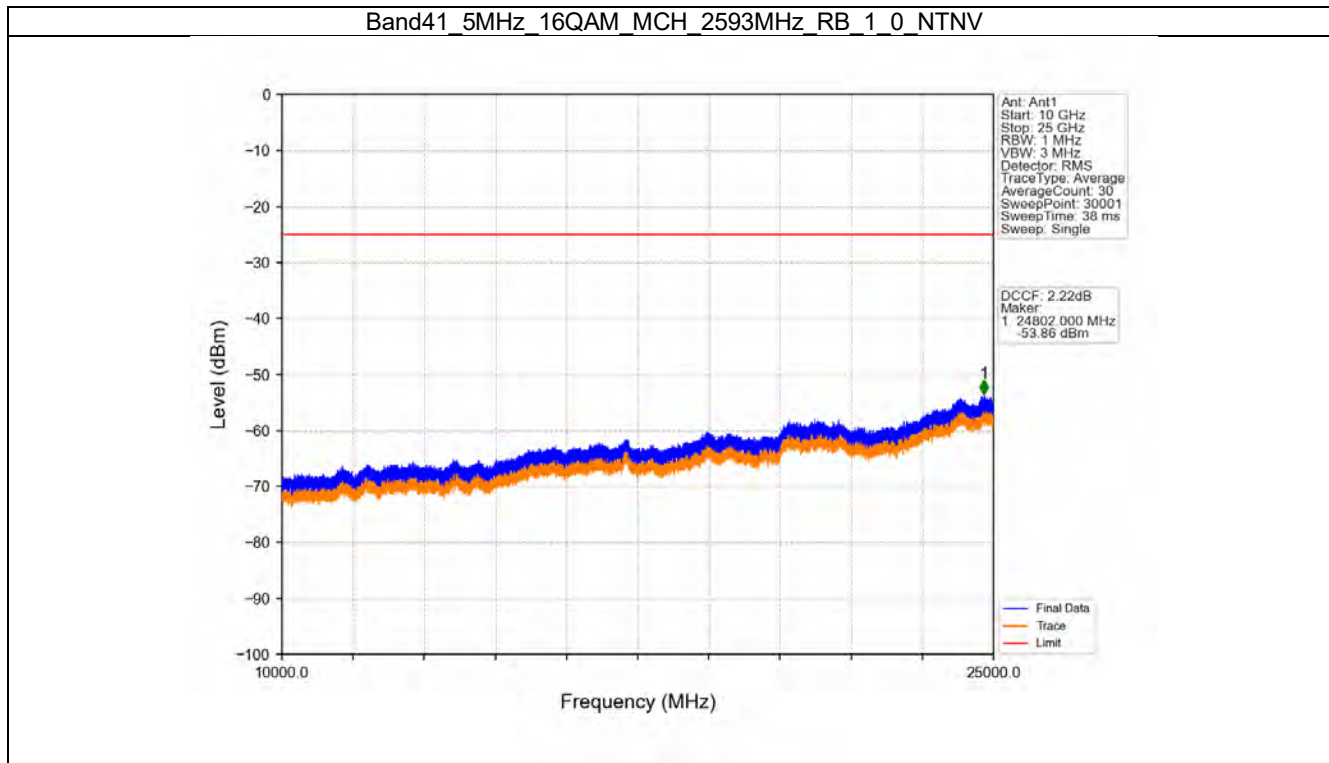
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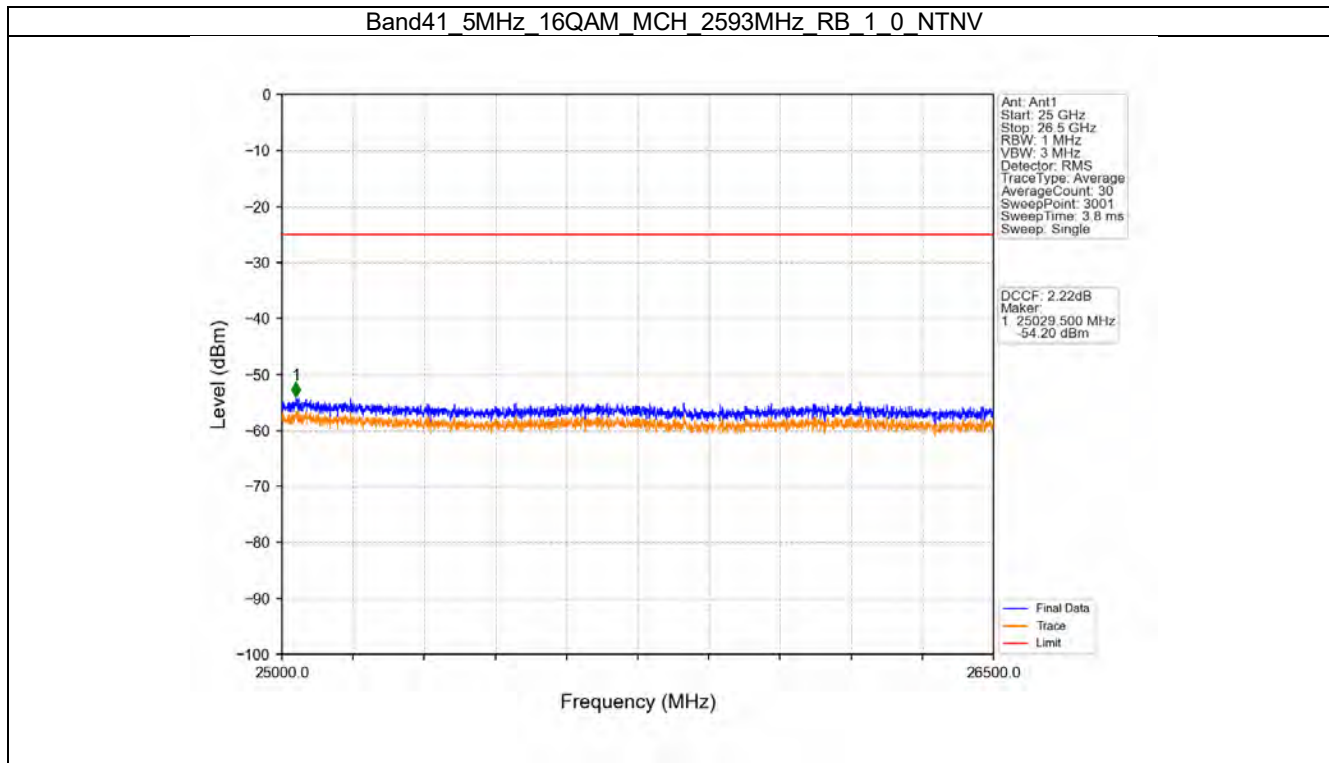
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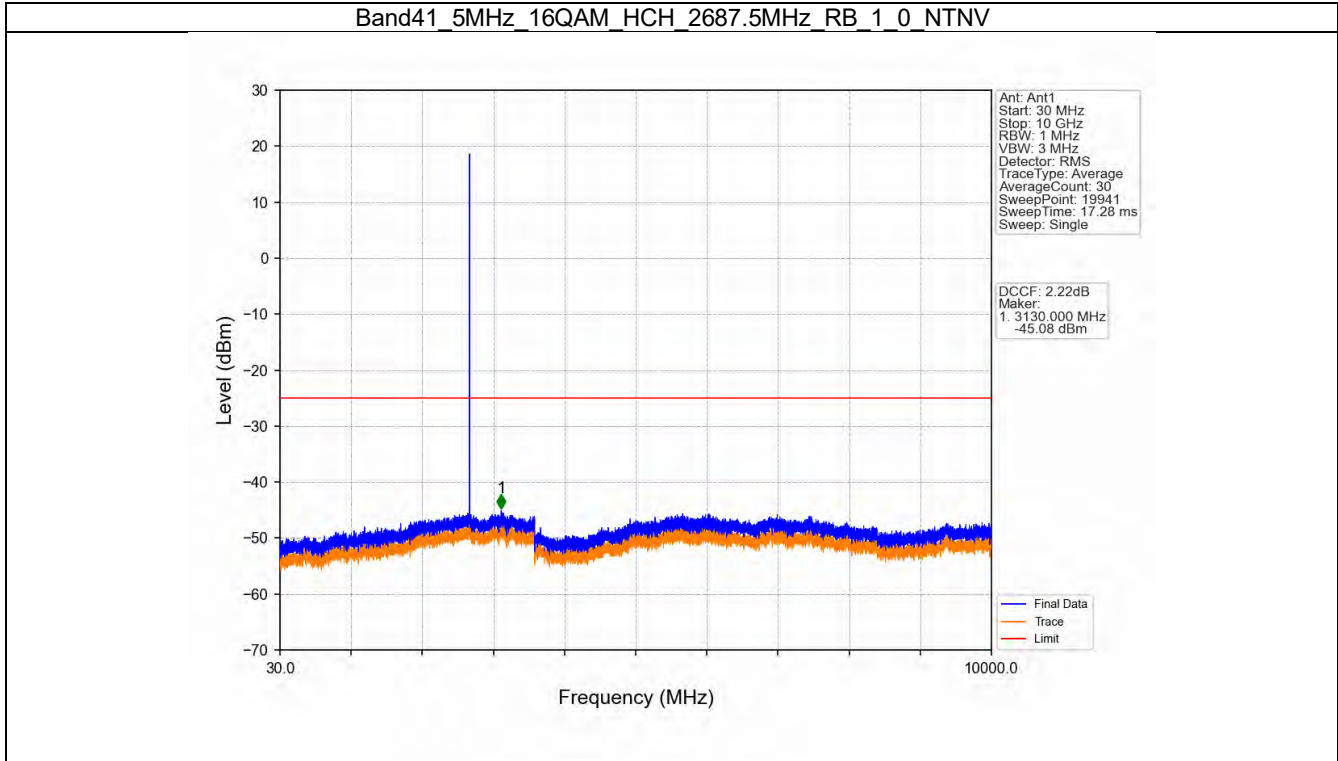


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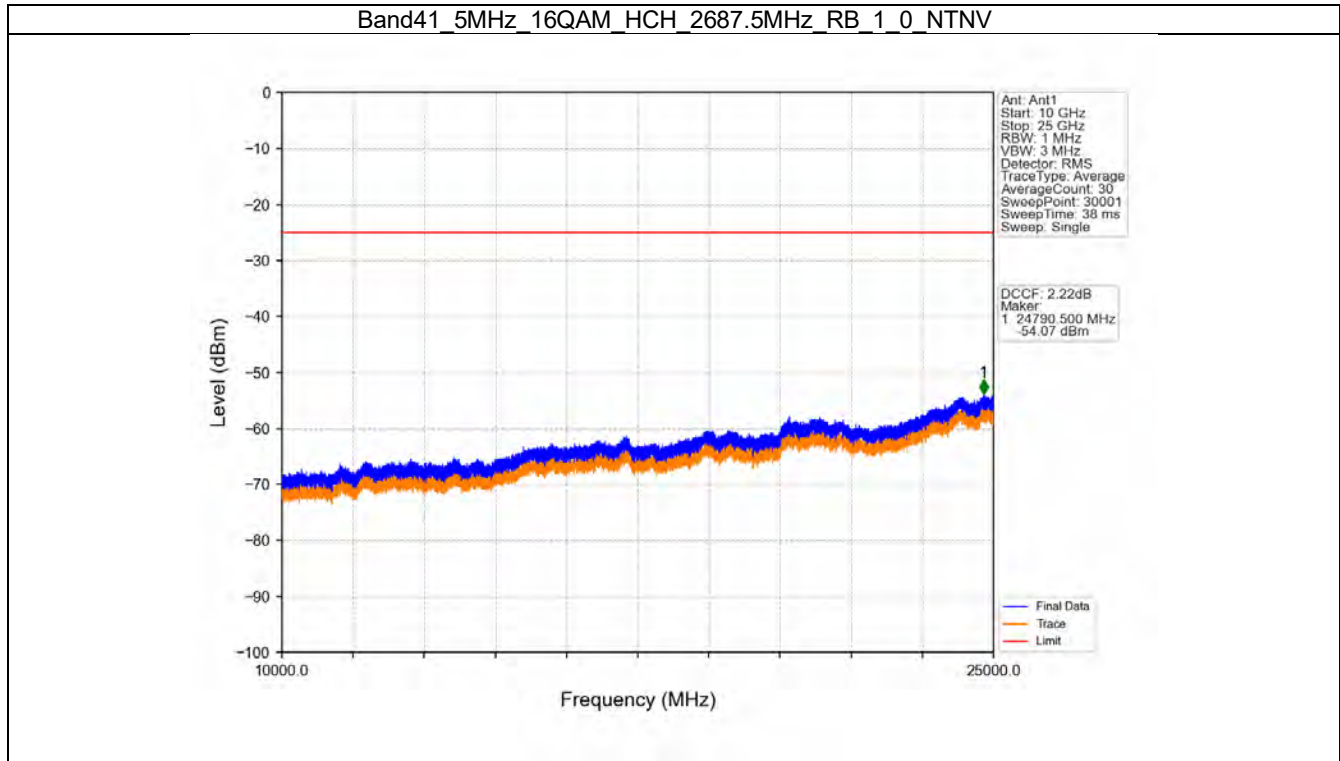


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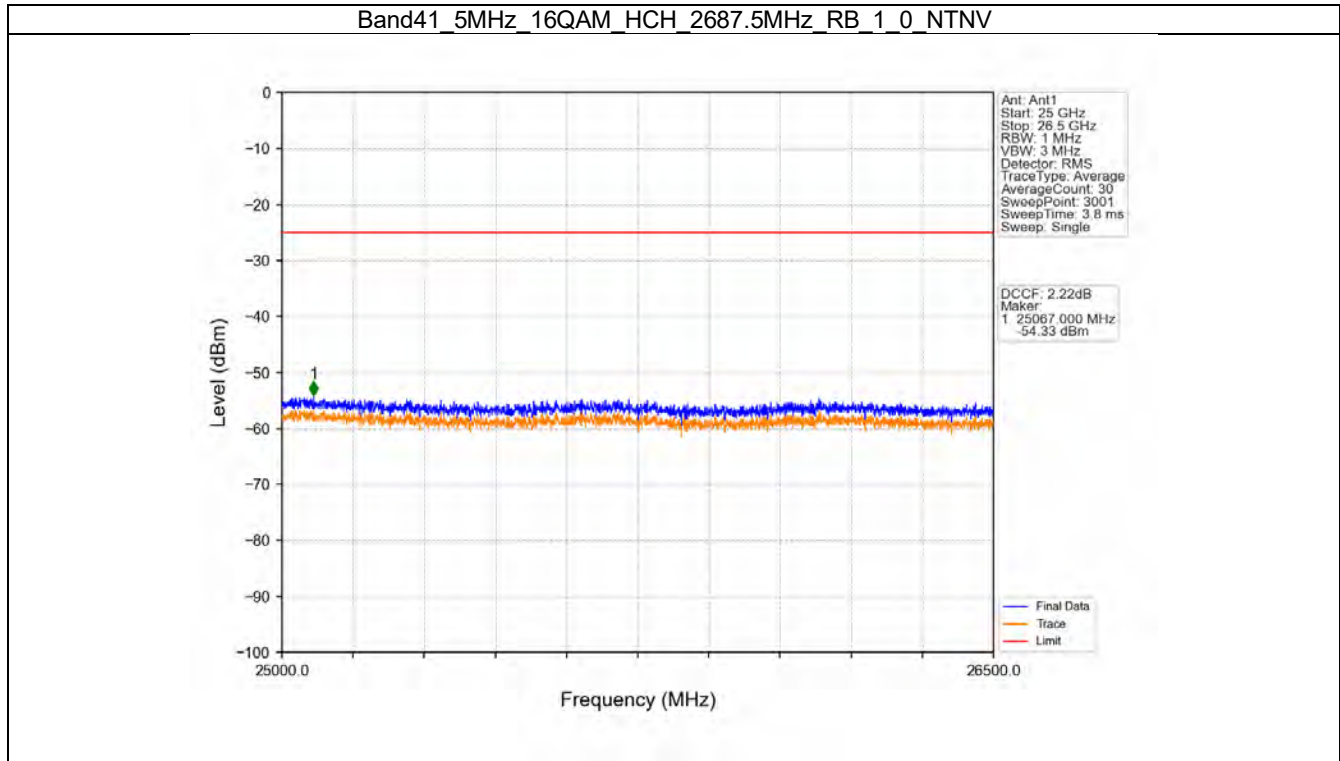


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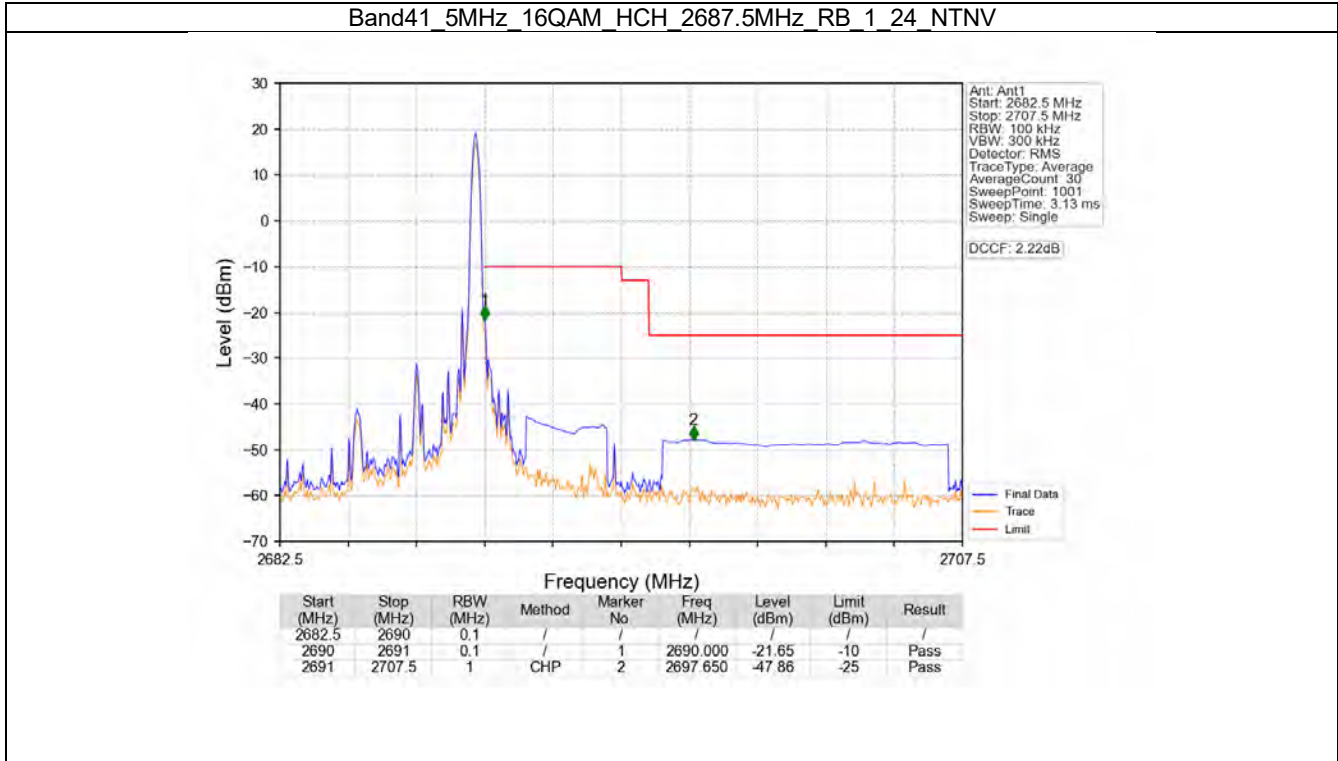


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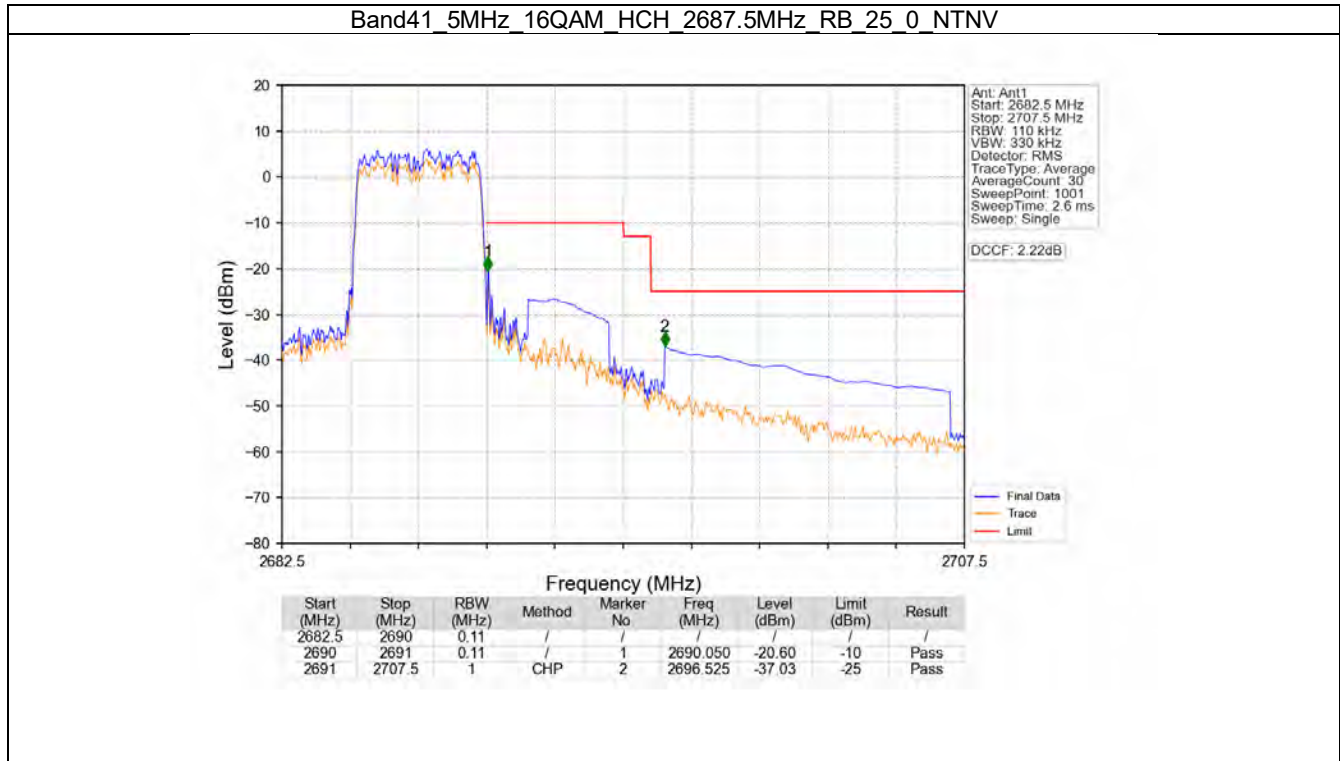


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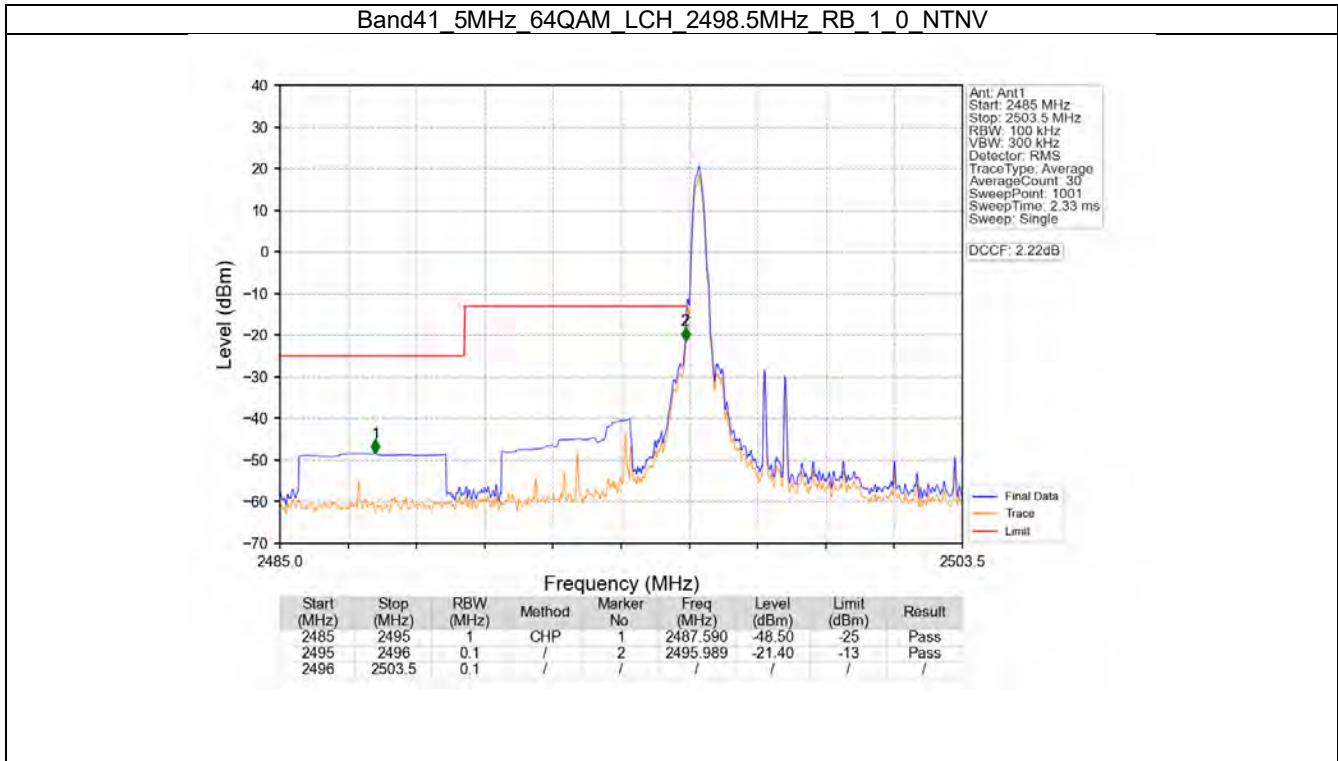


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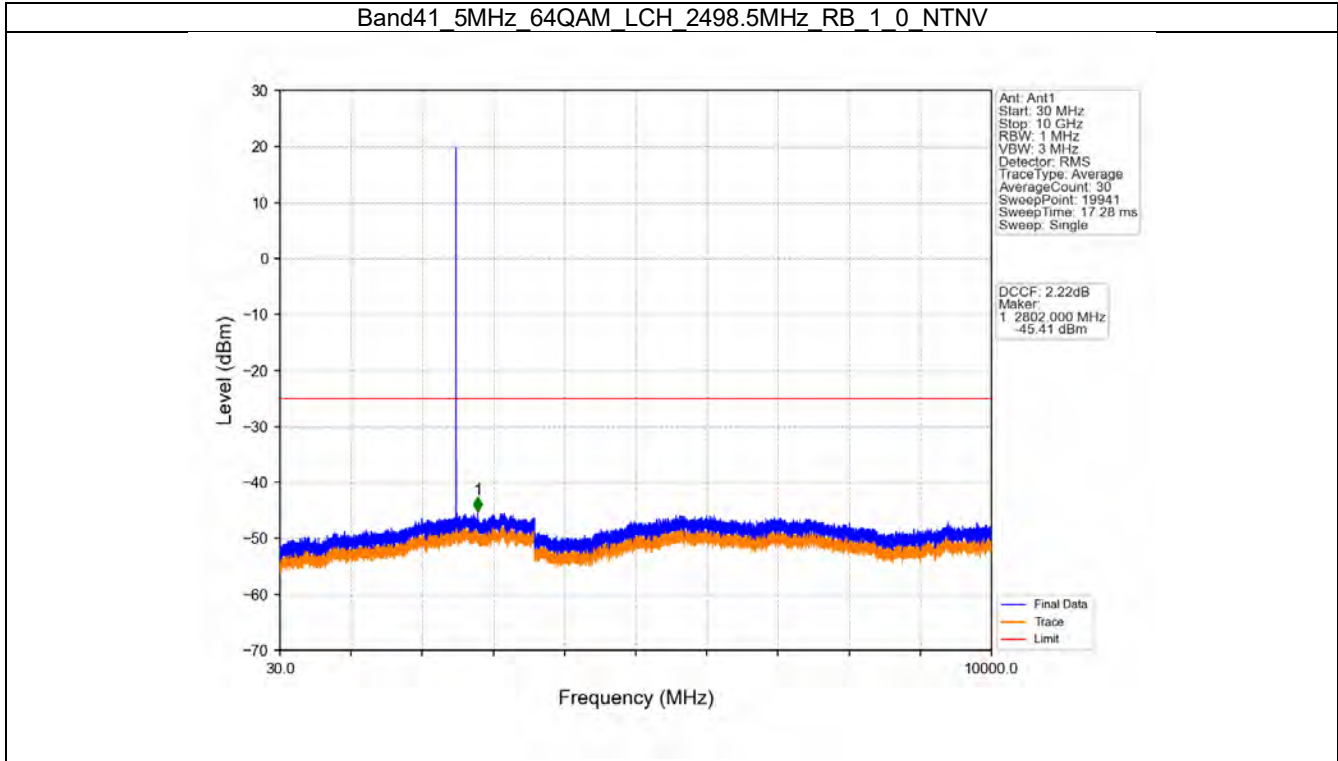


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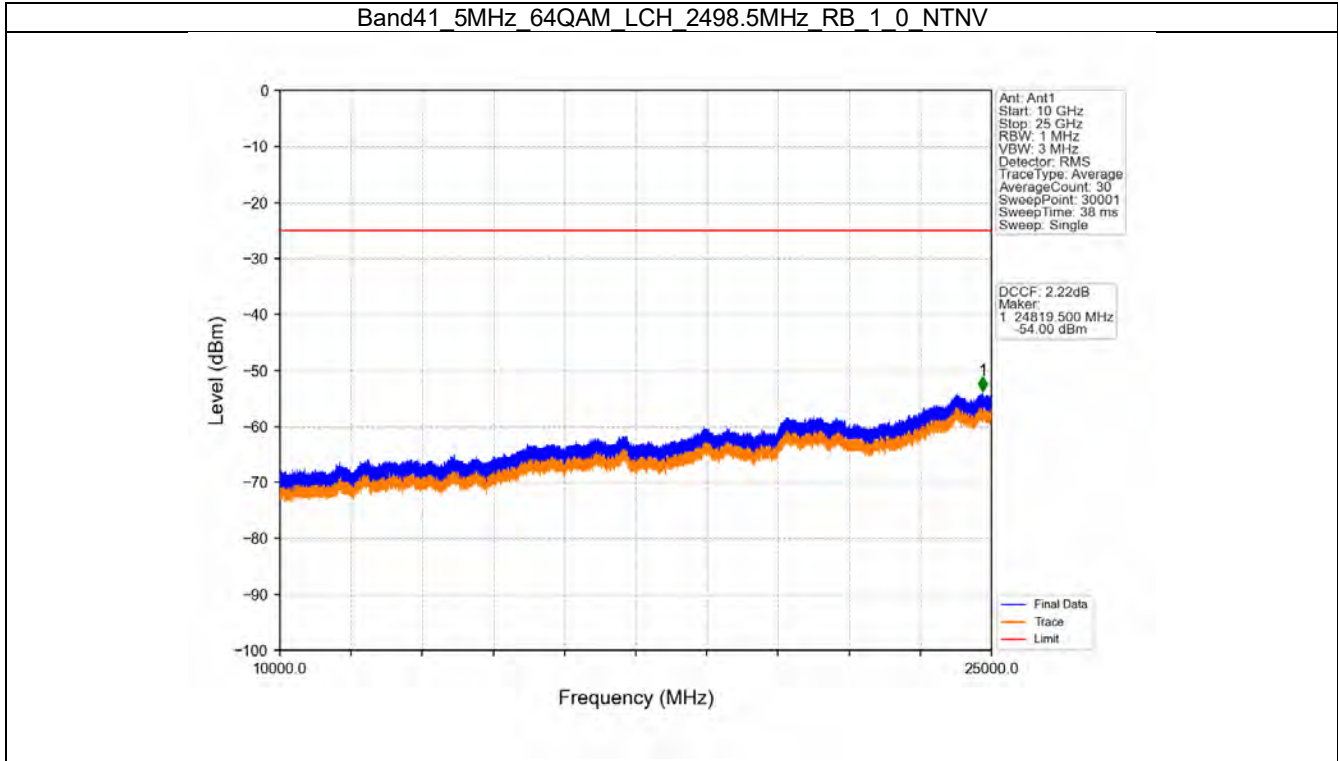


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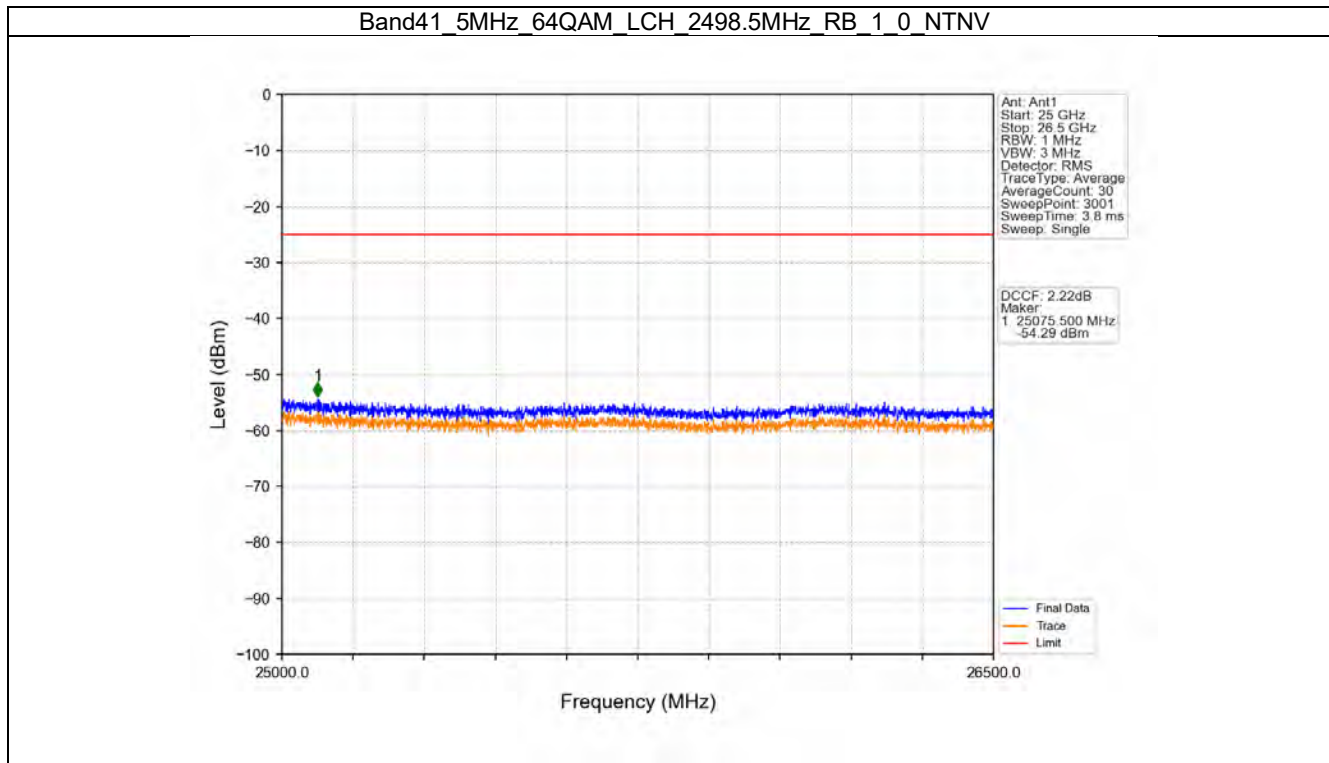
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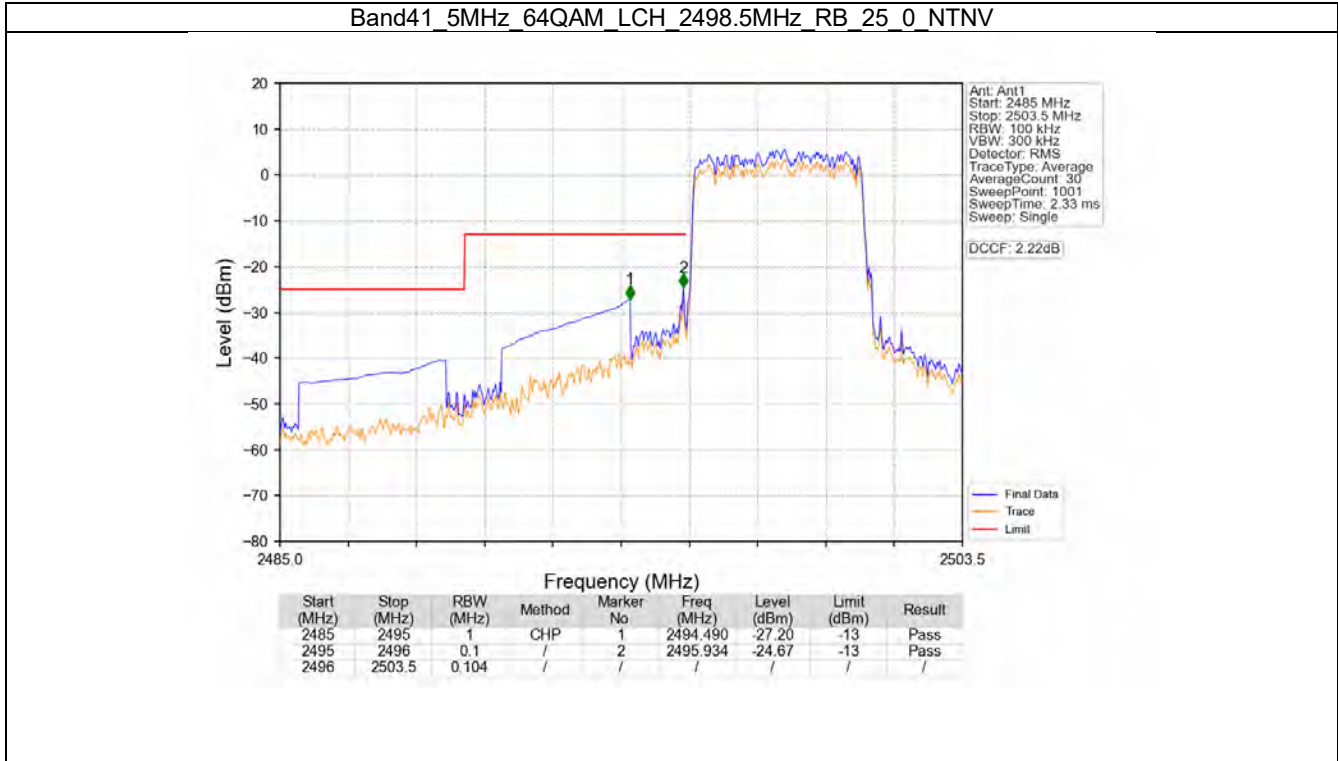


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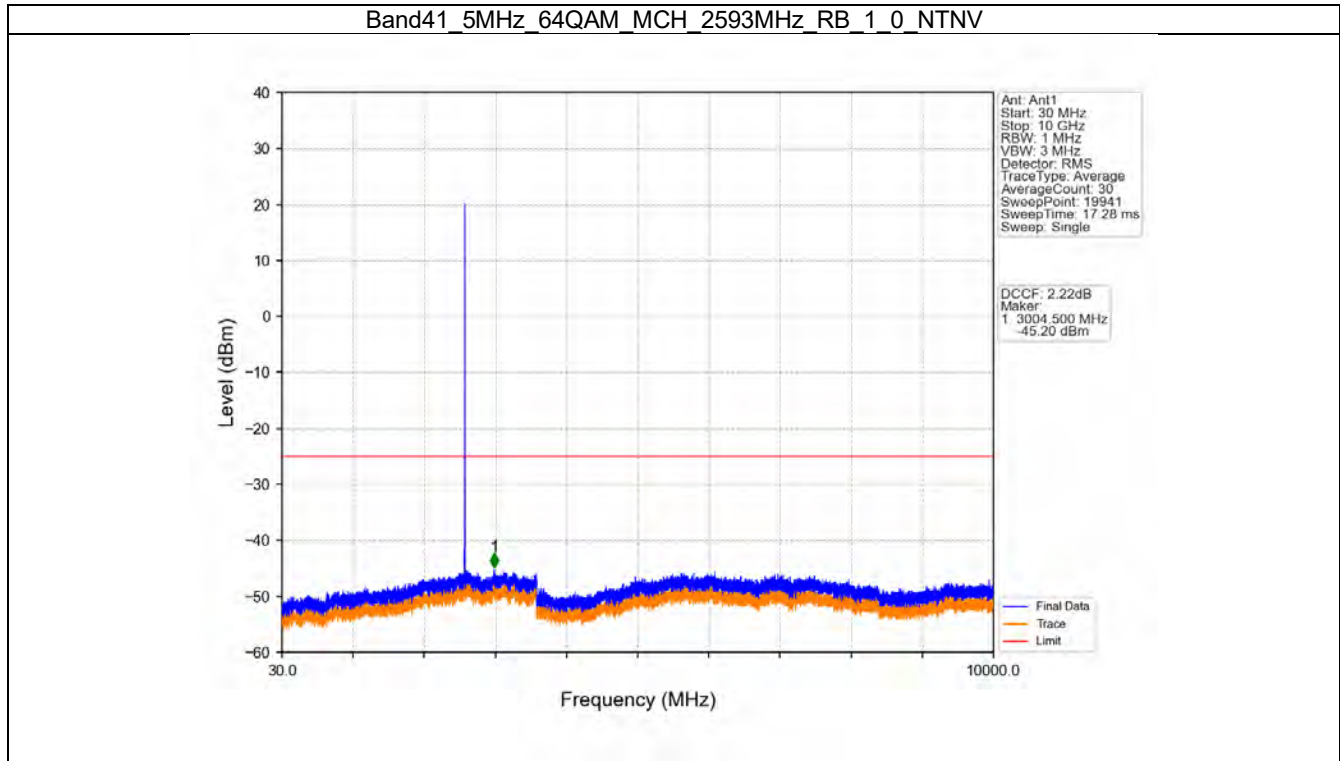


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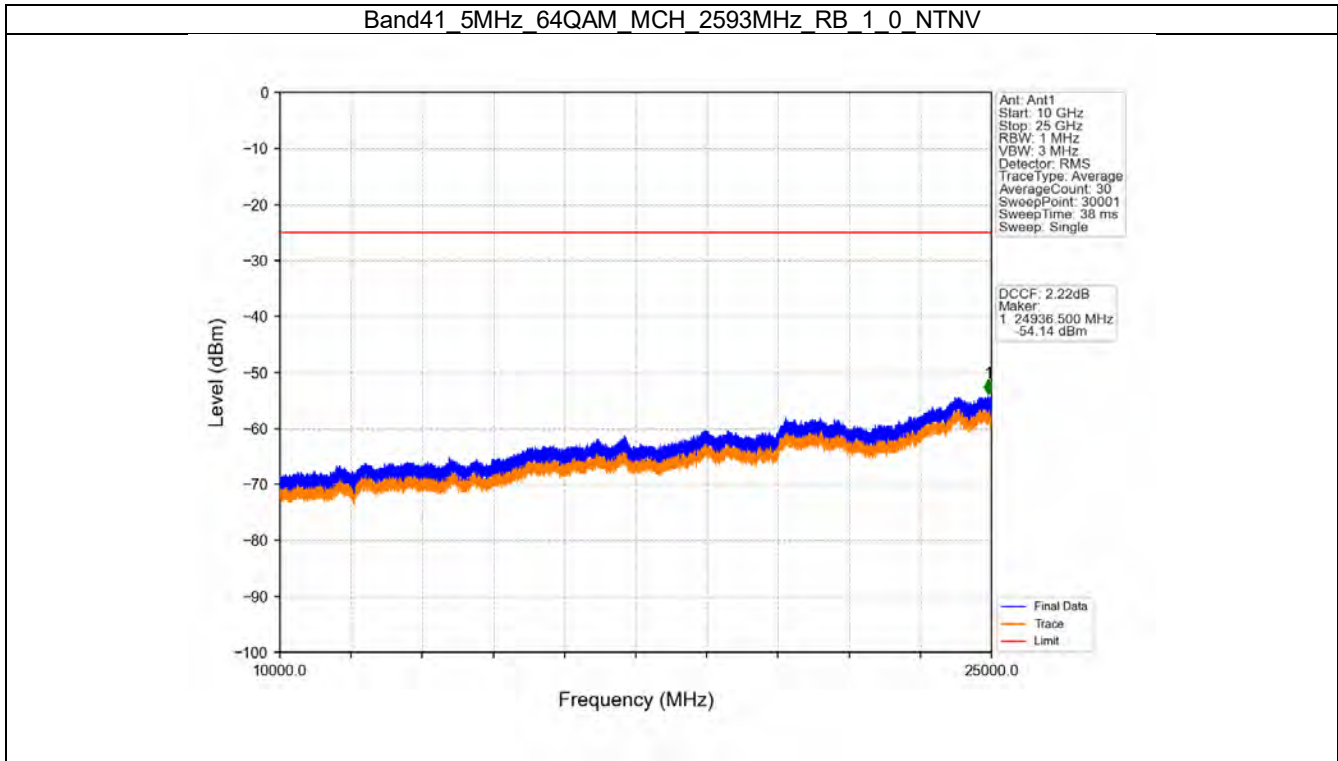


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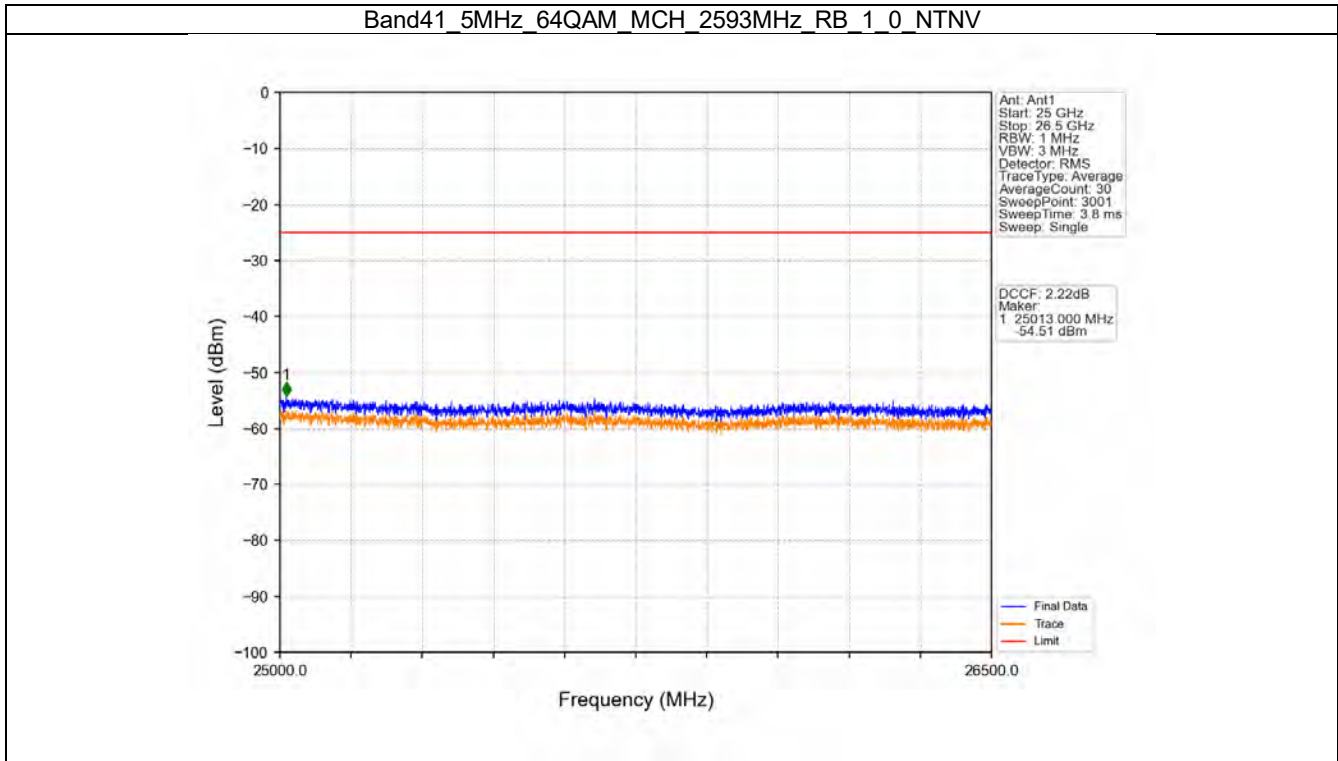


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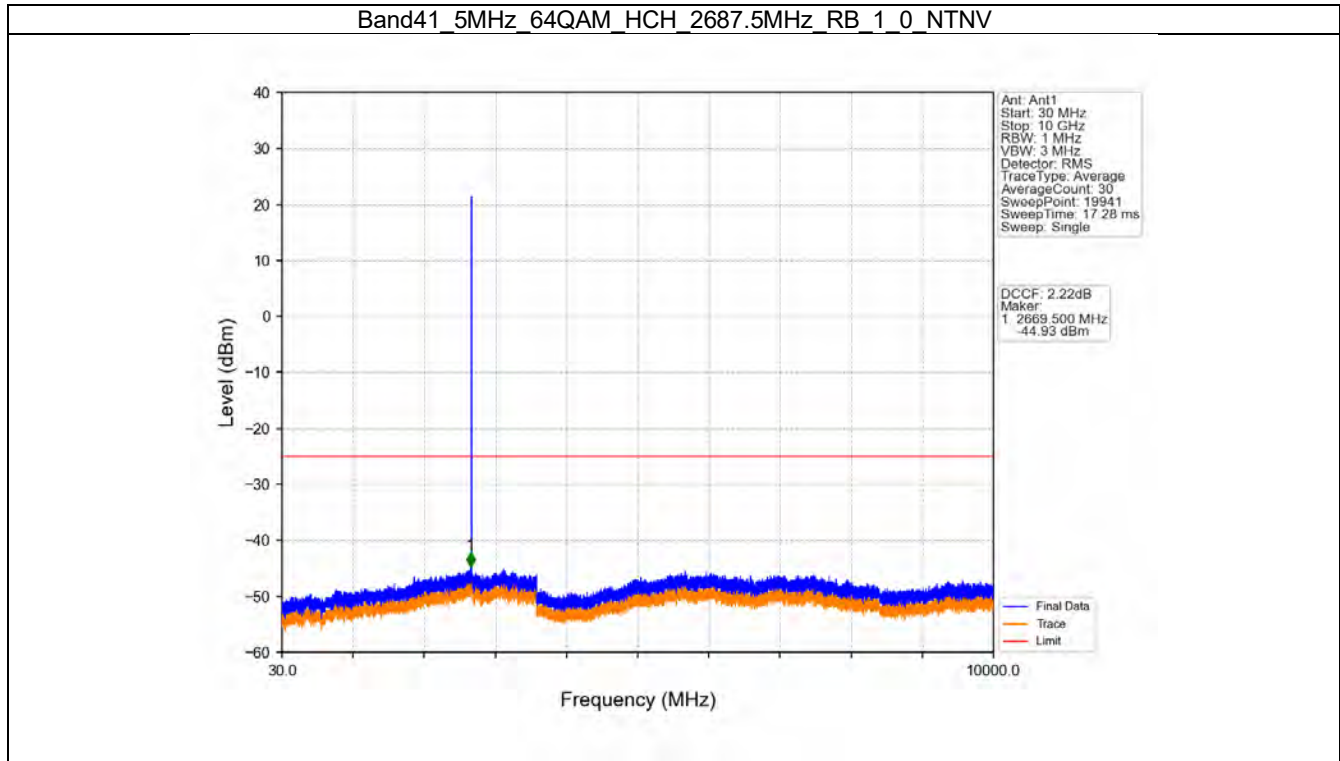


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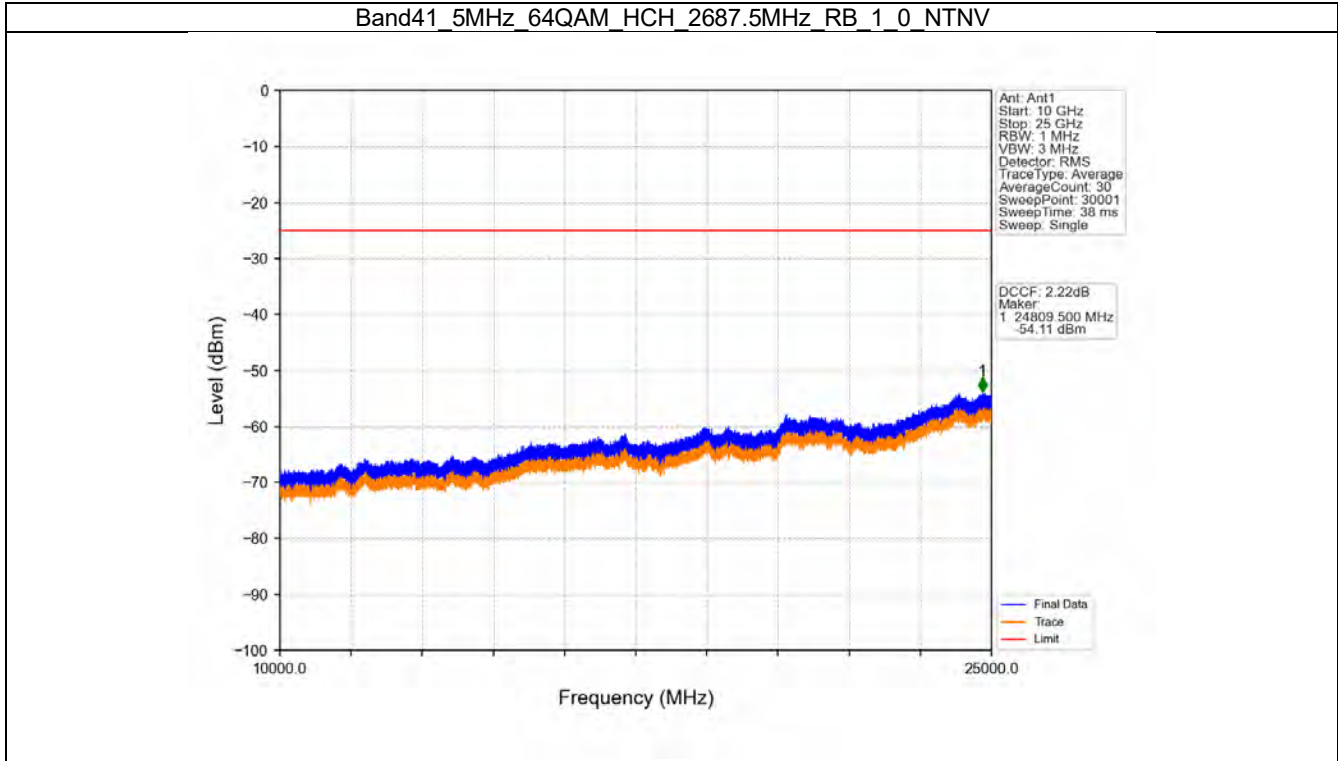


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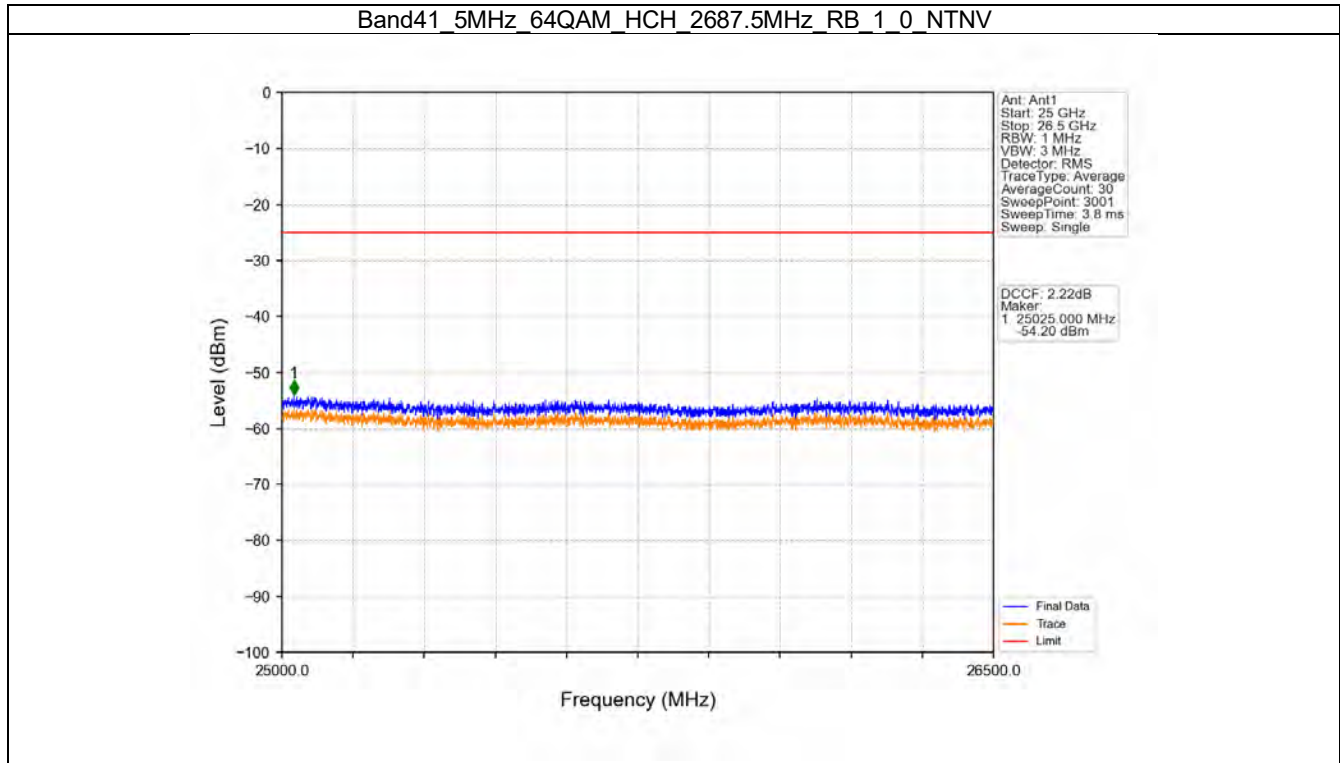


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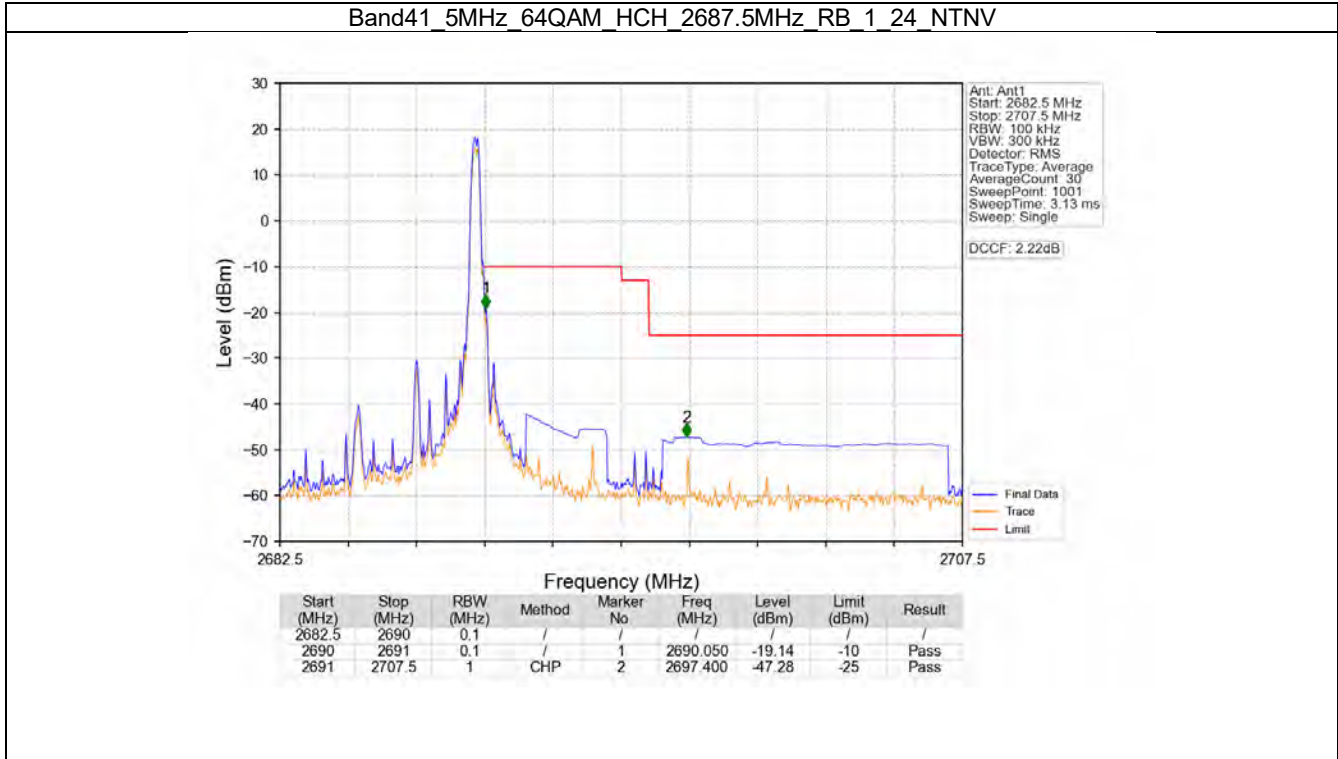


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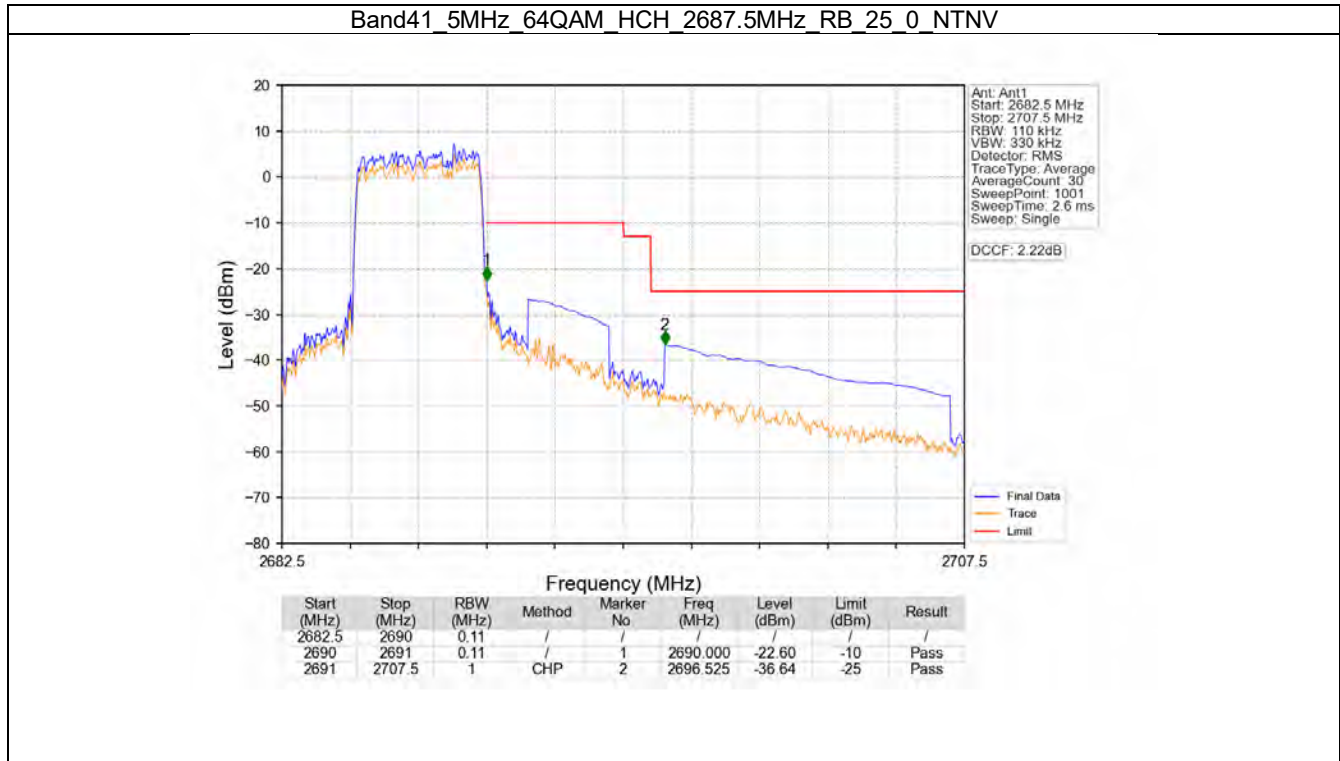


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## 5.2 B41\_10MHz

### 5.2.1 Test Result

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
	2685	1	0	Refer To Test Graph		Pass
			49	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass
16QAM	2501	1	0	Refer To Test Graph		Pass
		50	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
64QAM	2501	1	0	Refer To Test Graph		Pass
		50	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



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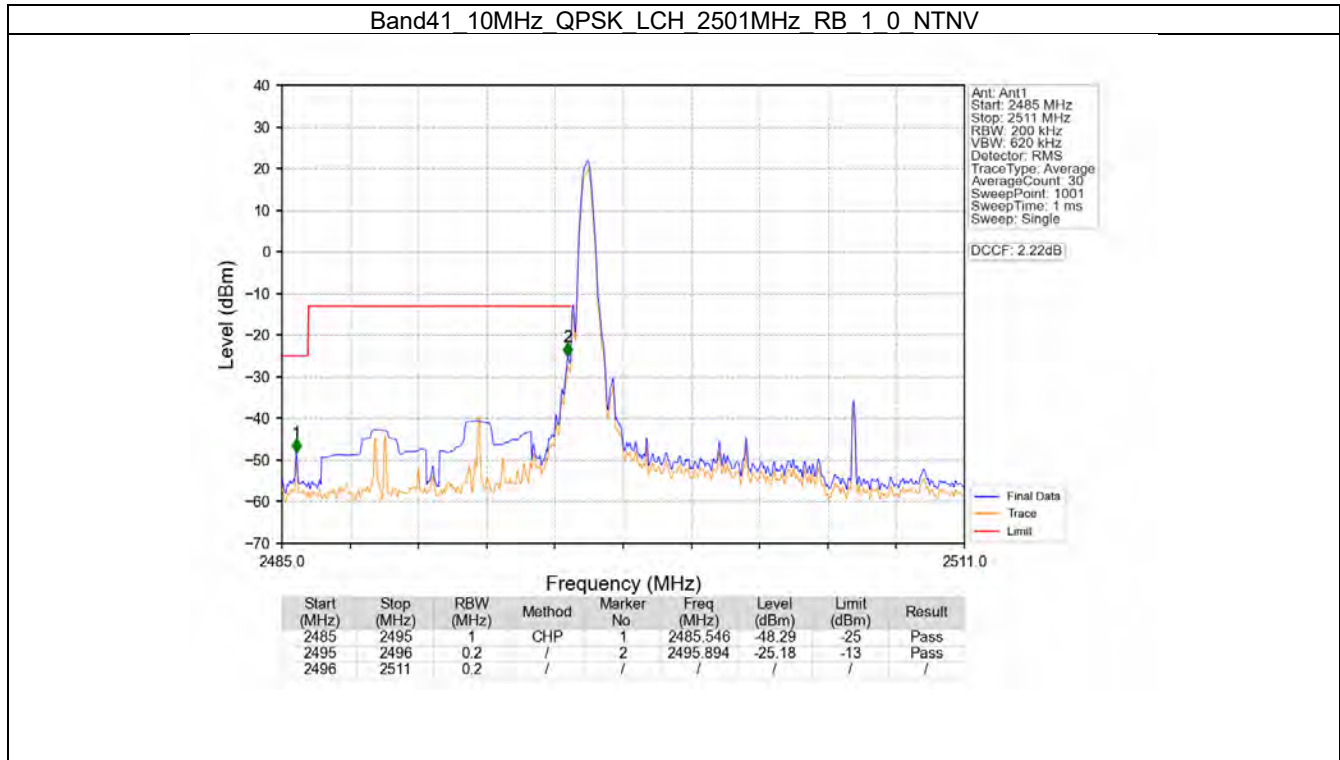
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5.2.2 Test Graph



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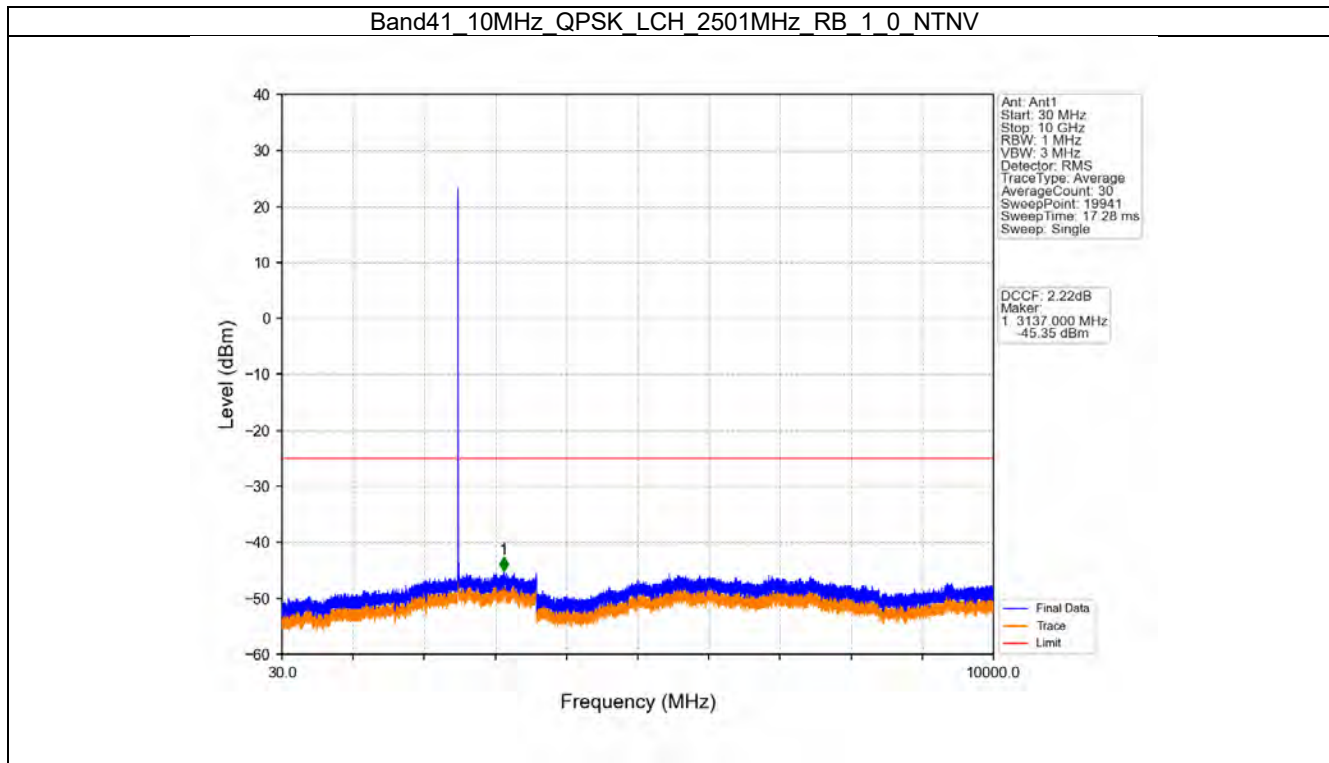
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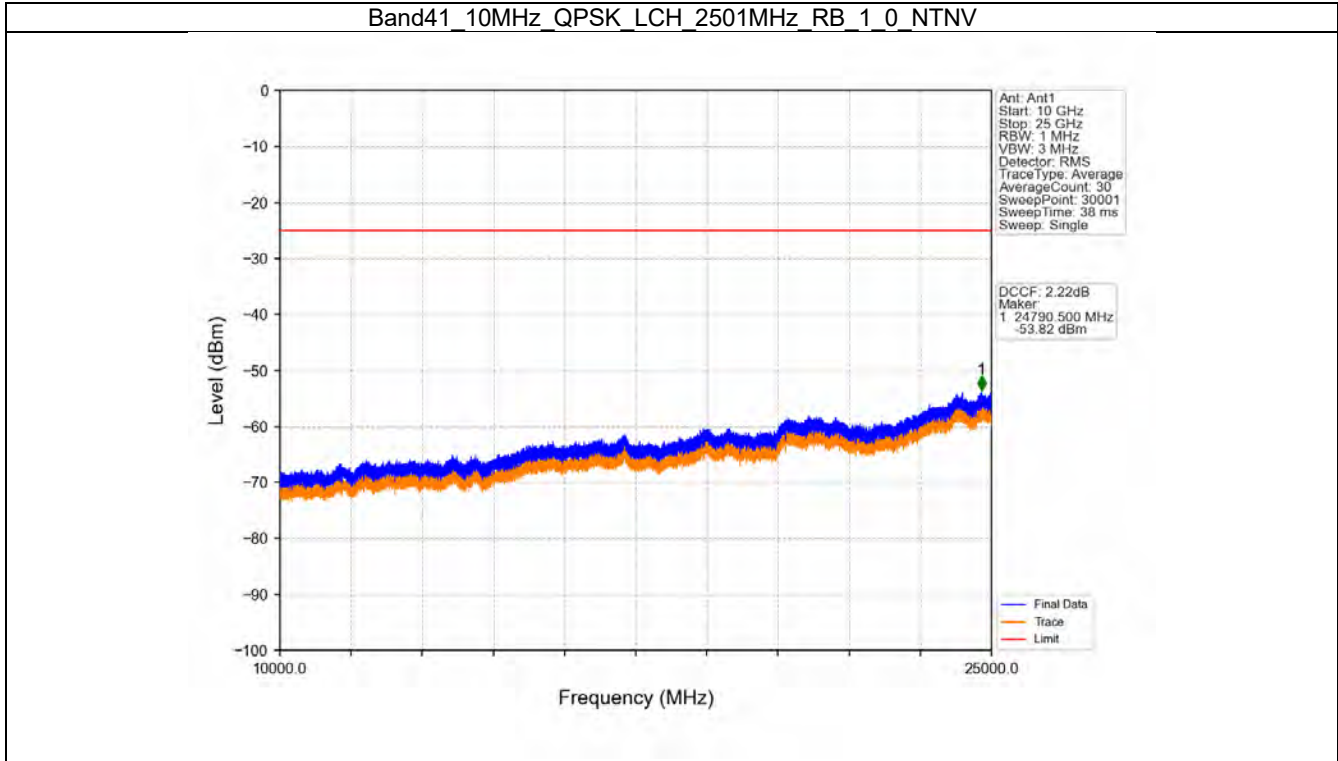


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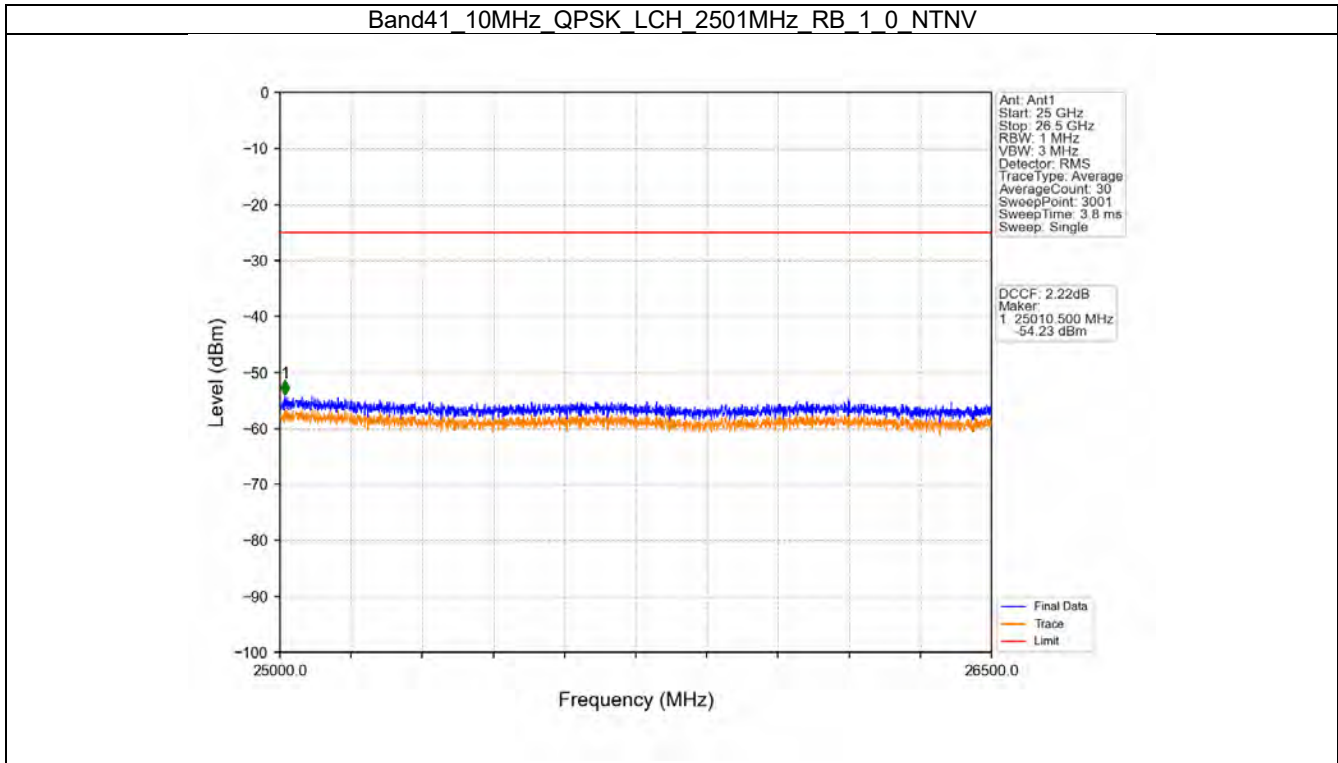


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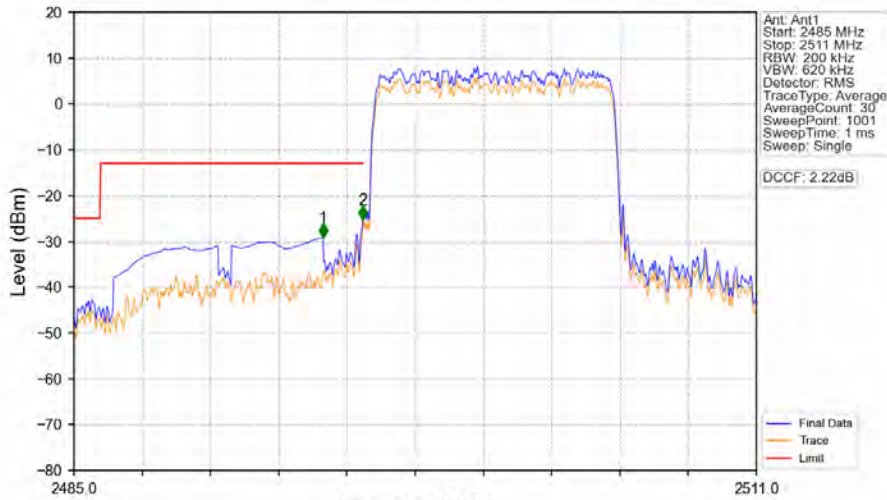
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Band41\_10MHz\_QPSK\_LCH\_2501MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.490	-29.26	-13	Pass
2495	2496	0.2	/	2	2495.998	-25.37	-13	Pass
2496	2511	0.202	/	/	/	/	/	/



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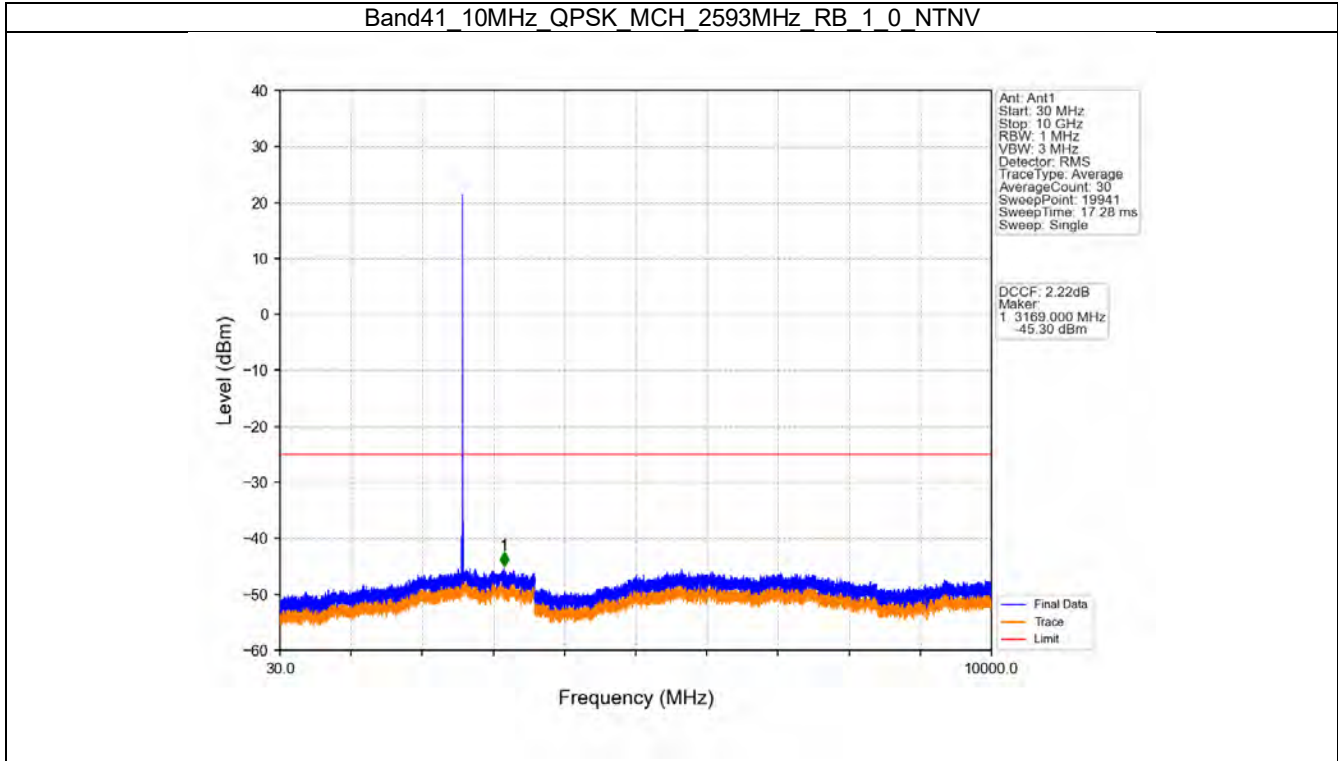


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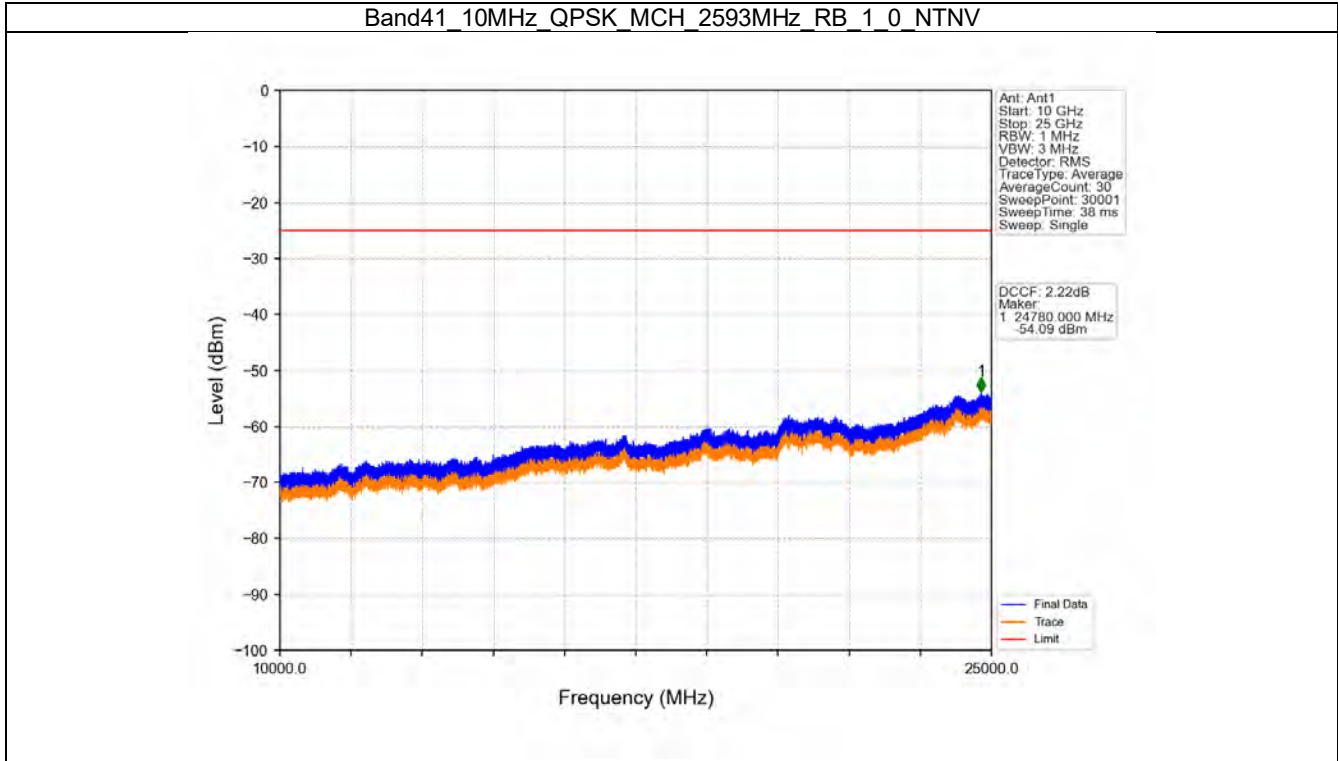


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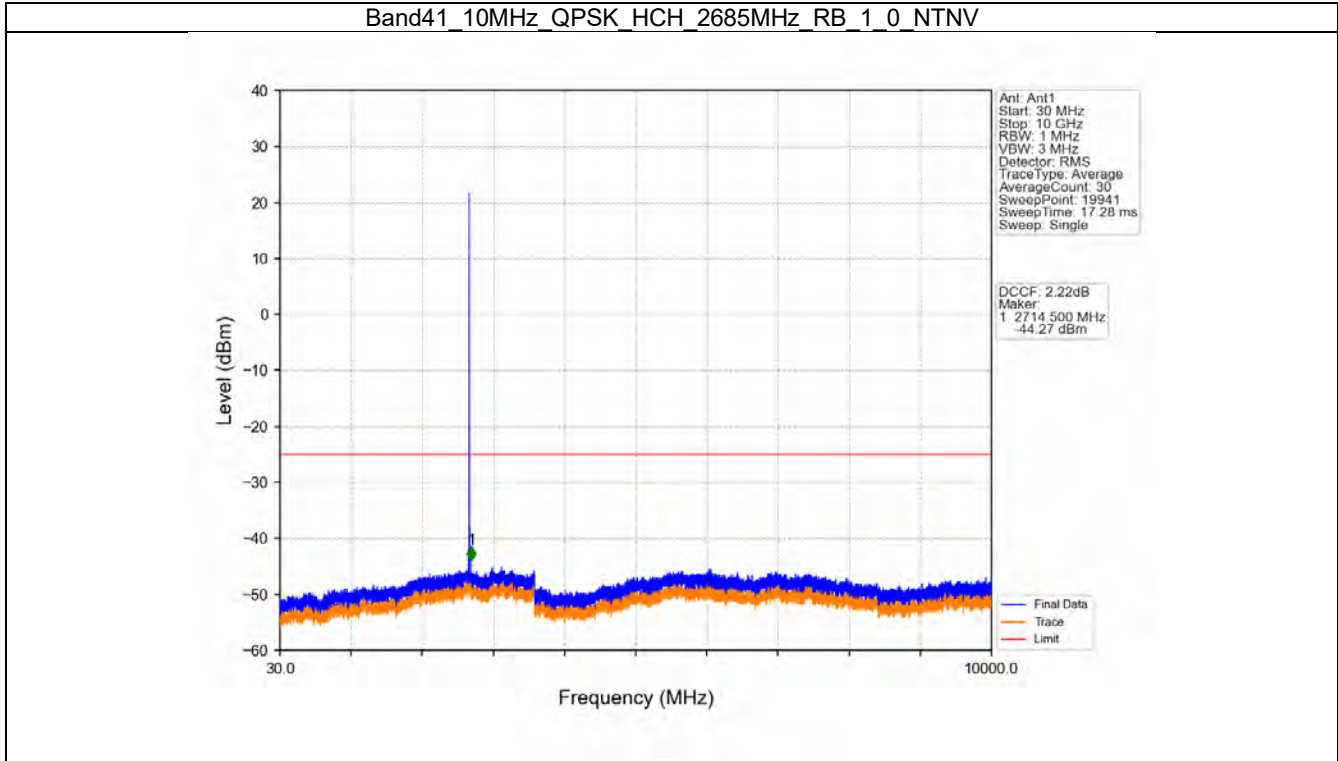


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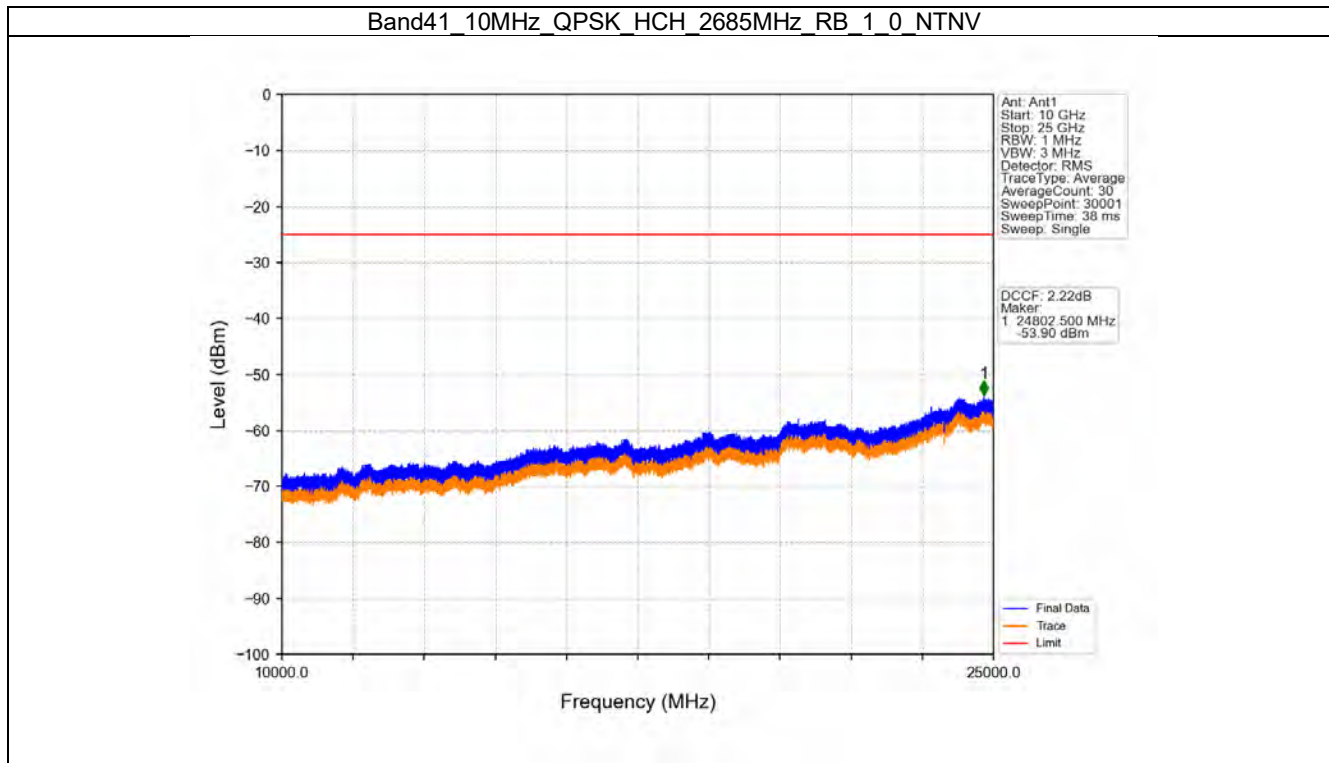
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Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_0\_NTNV



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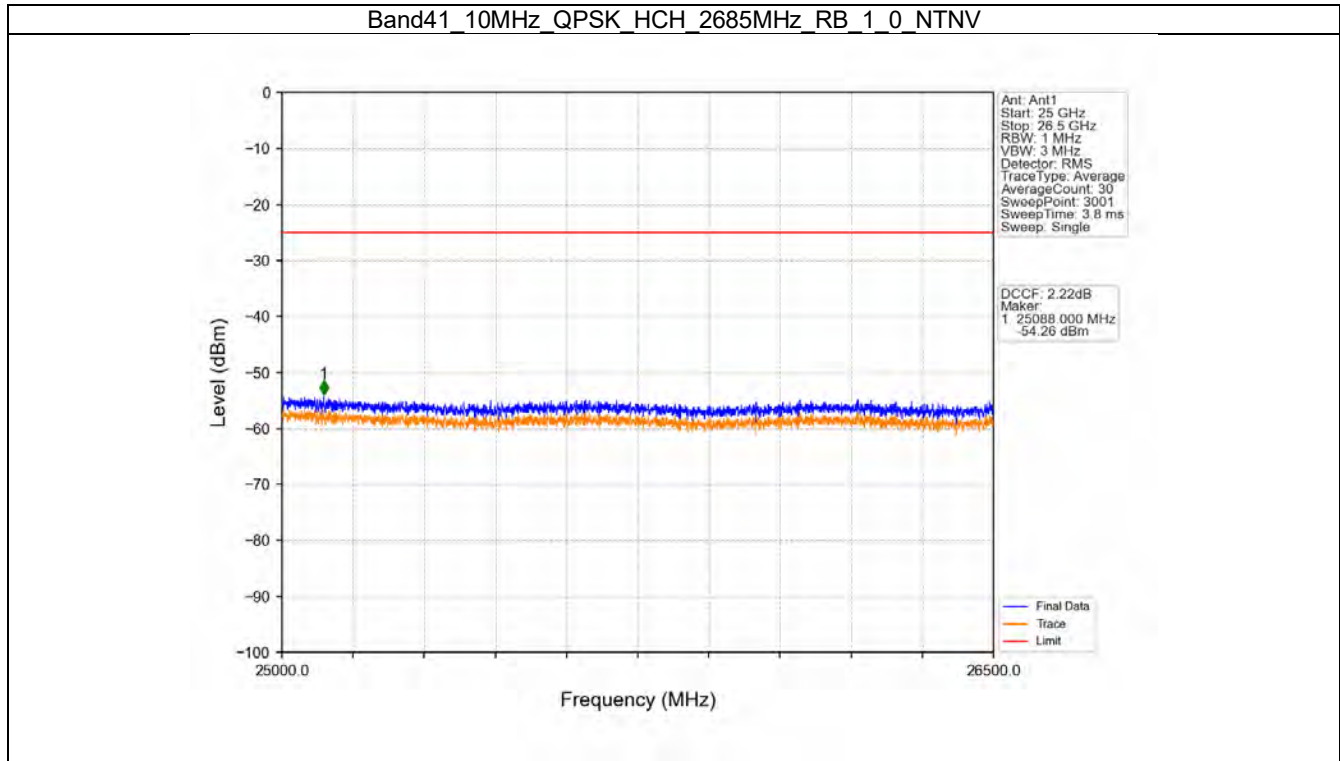


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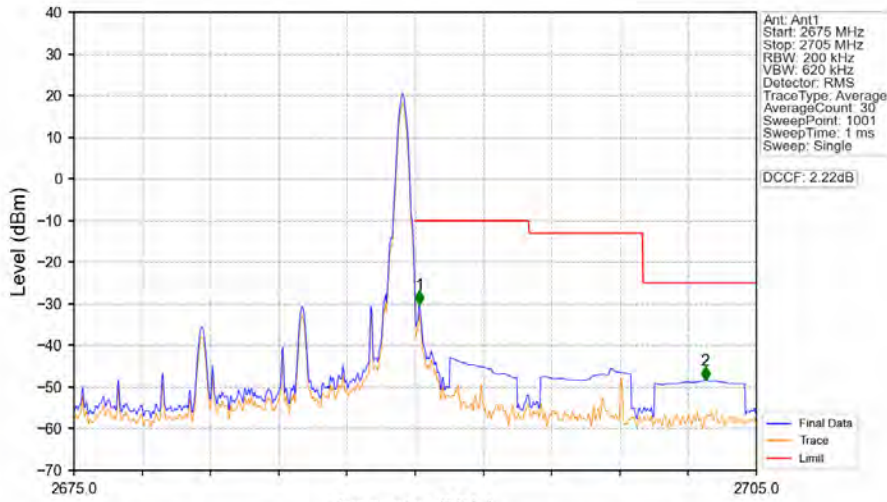
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Band41\_10MHz\_QPSK\_HCH\_2685MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2675	2690	0.2	/	/	/	/	/	/
2690	2691	0.2	/	1	2690.180	-30.29	-10	Pass
2691	2705	1	CHP	2	2702.750	-48.44	-25	Pass



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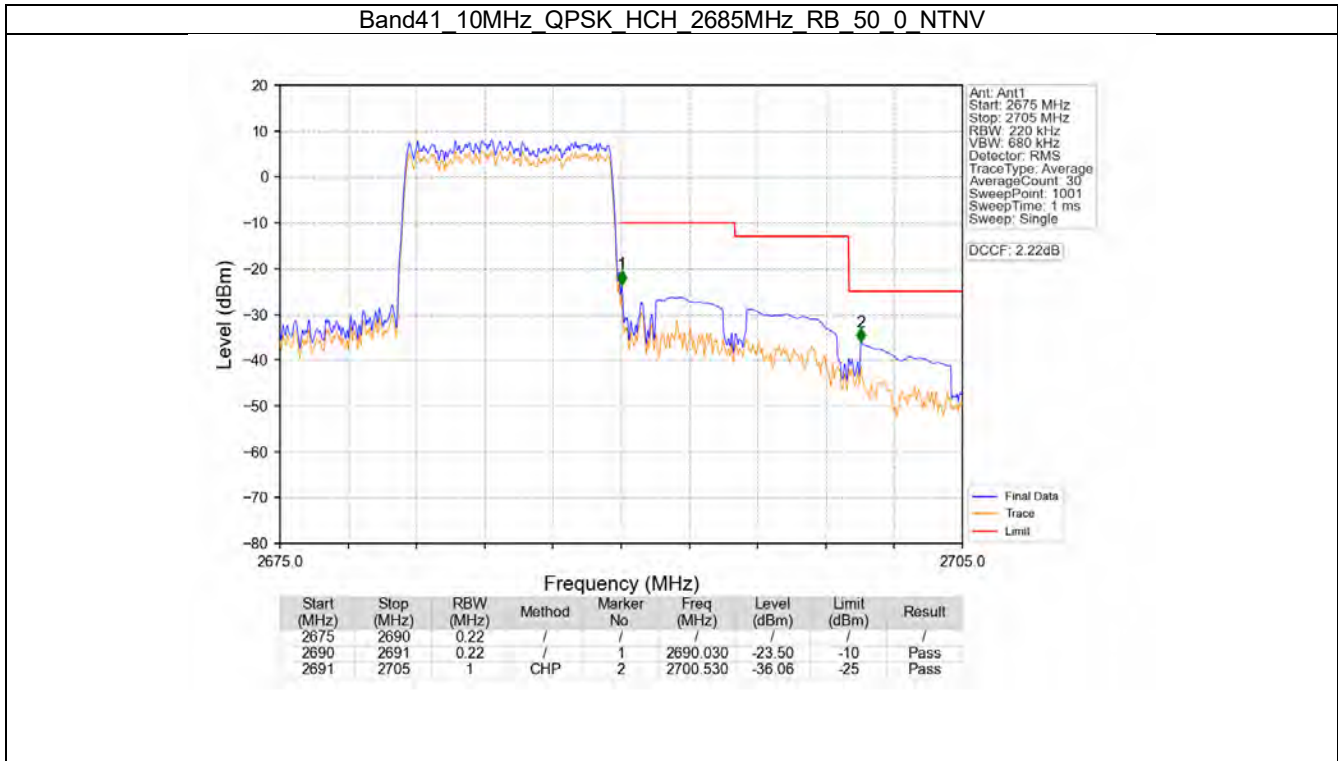


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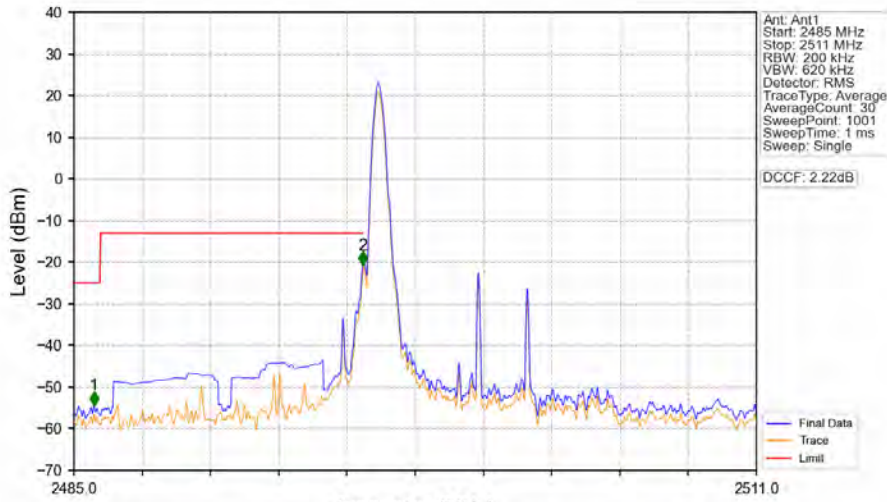
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Band41\_10MHz\_16QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2485.754	-54.38	-25	Pass
2495	2496	0.2	/	2	2495.998	-20.74	-13	Pass
2496	2511	0.2	/	/	/	/	/	/



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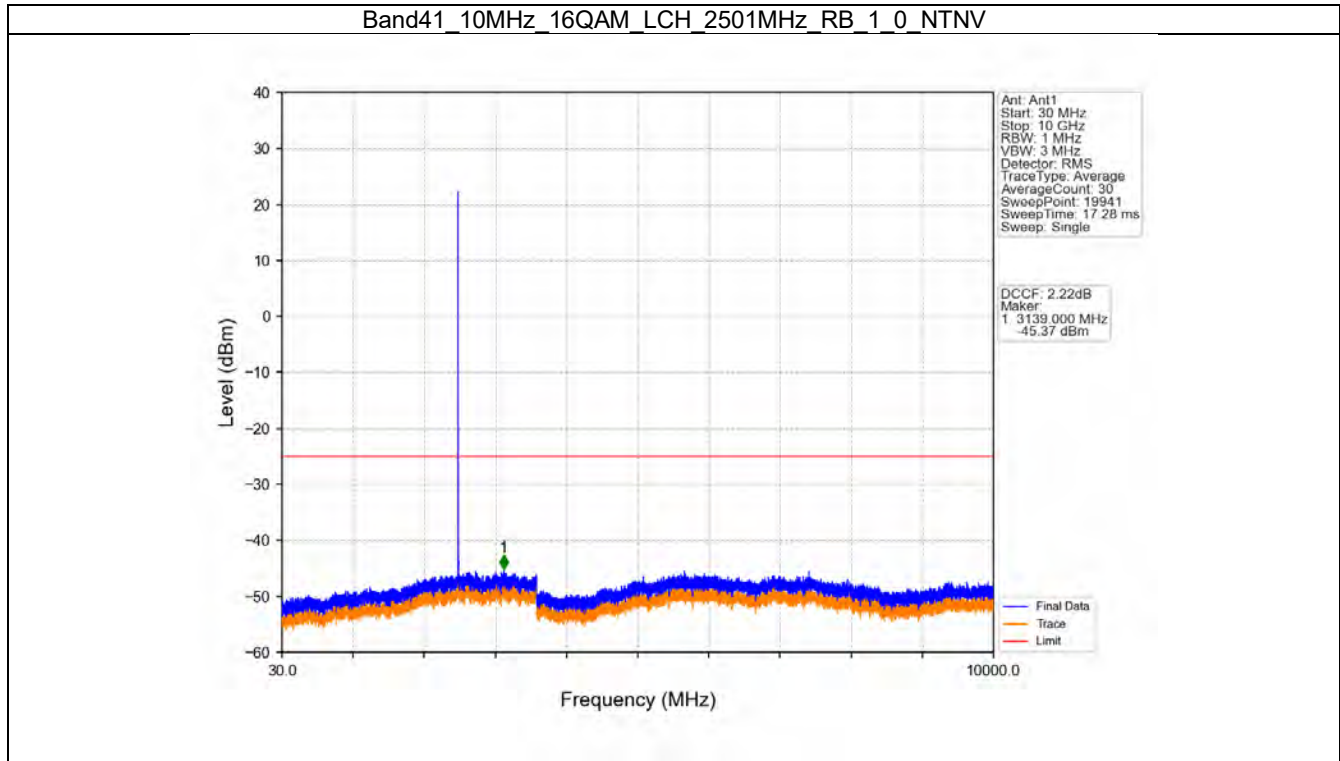


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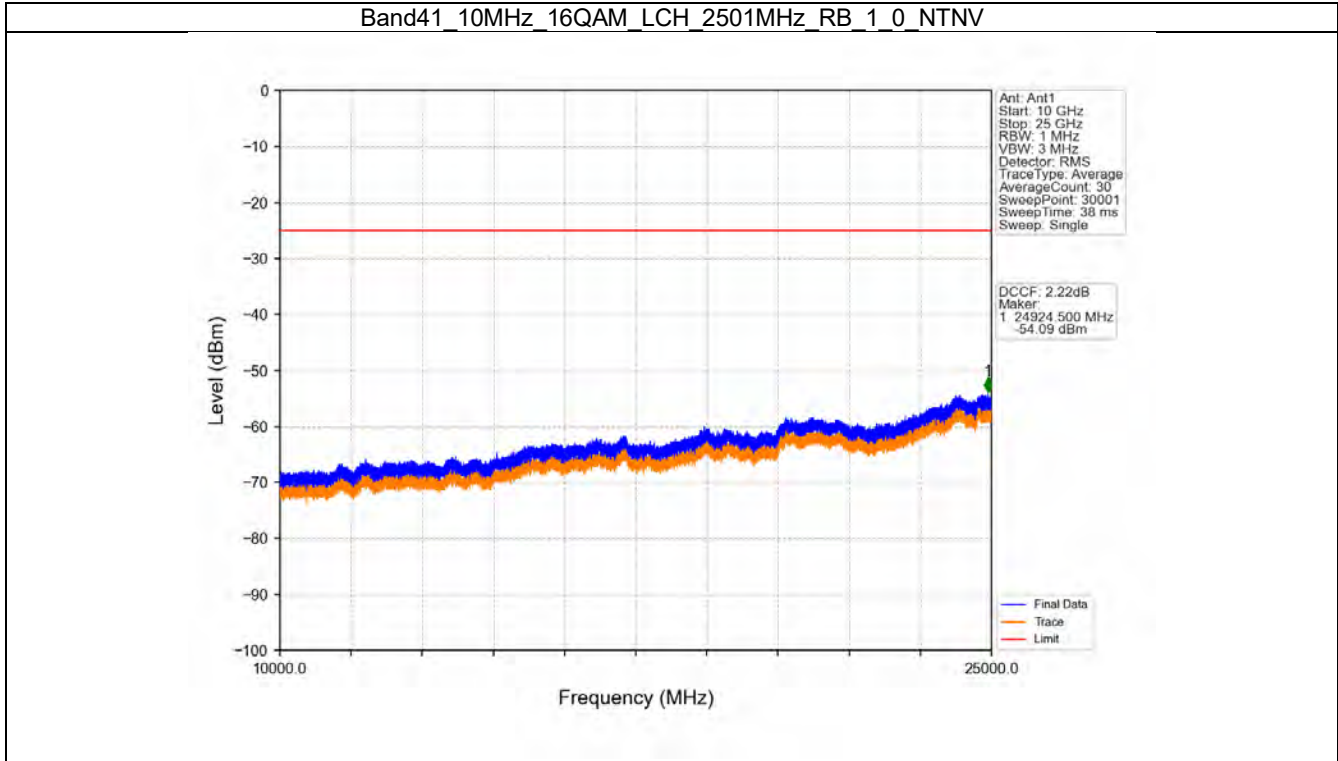


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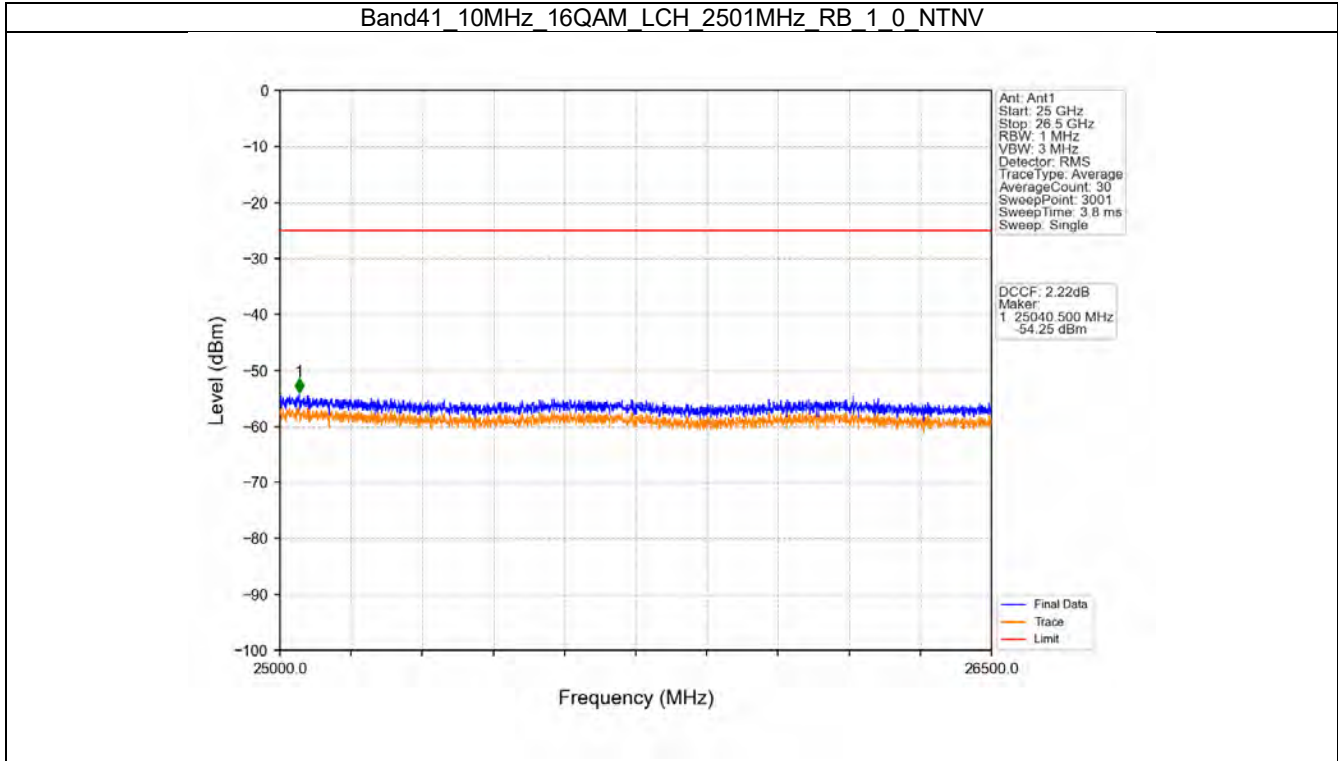


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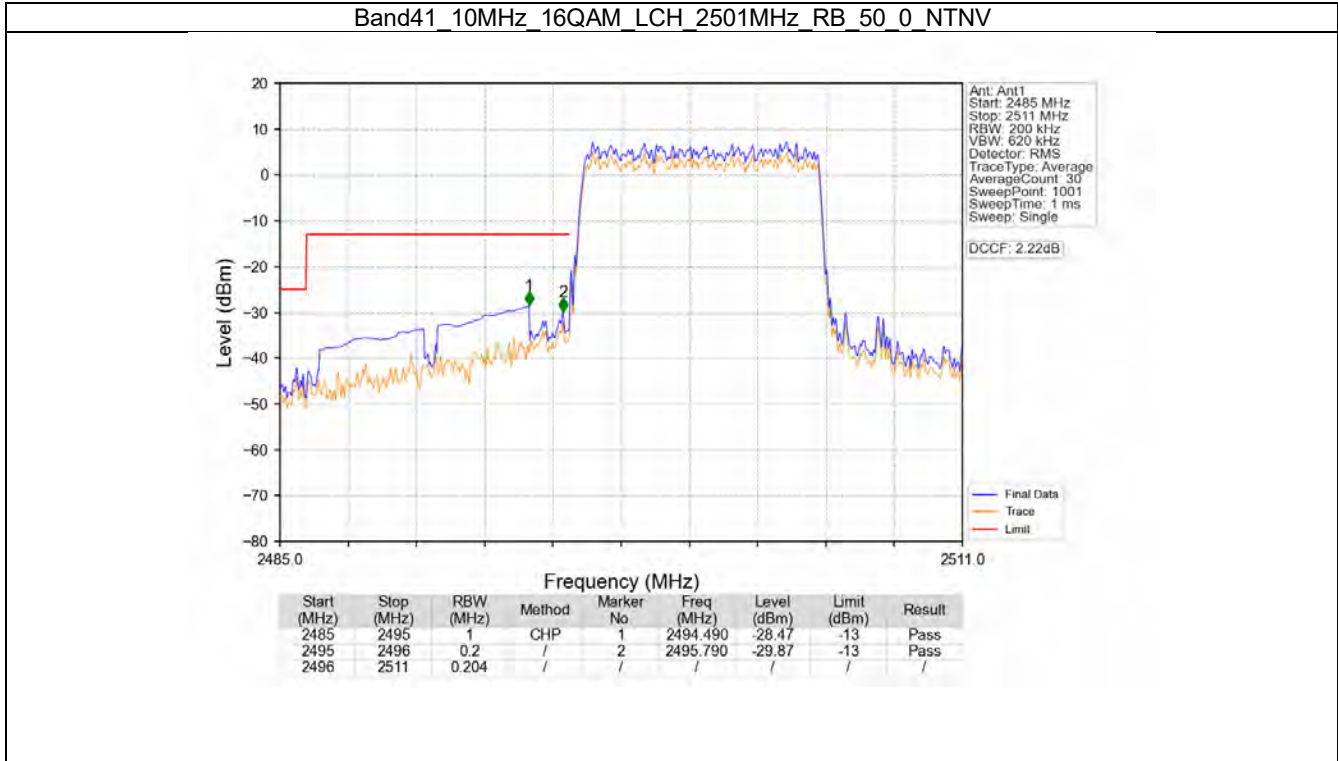


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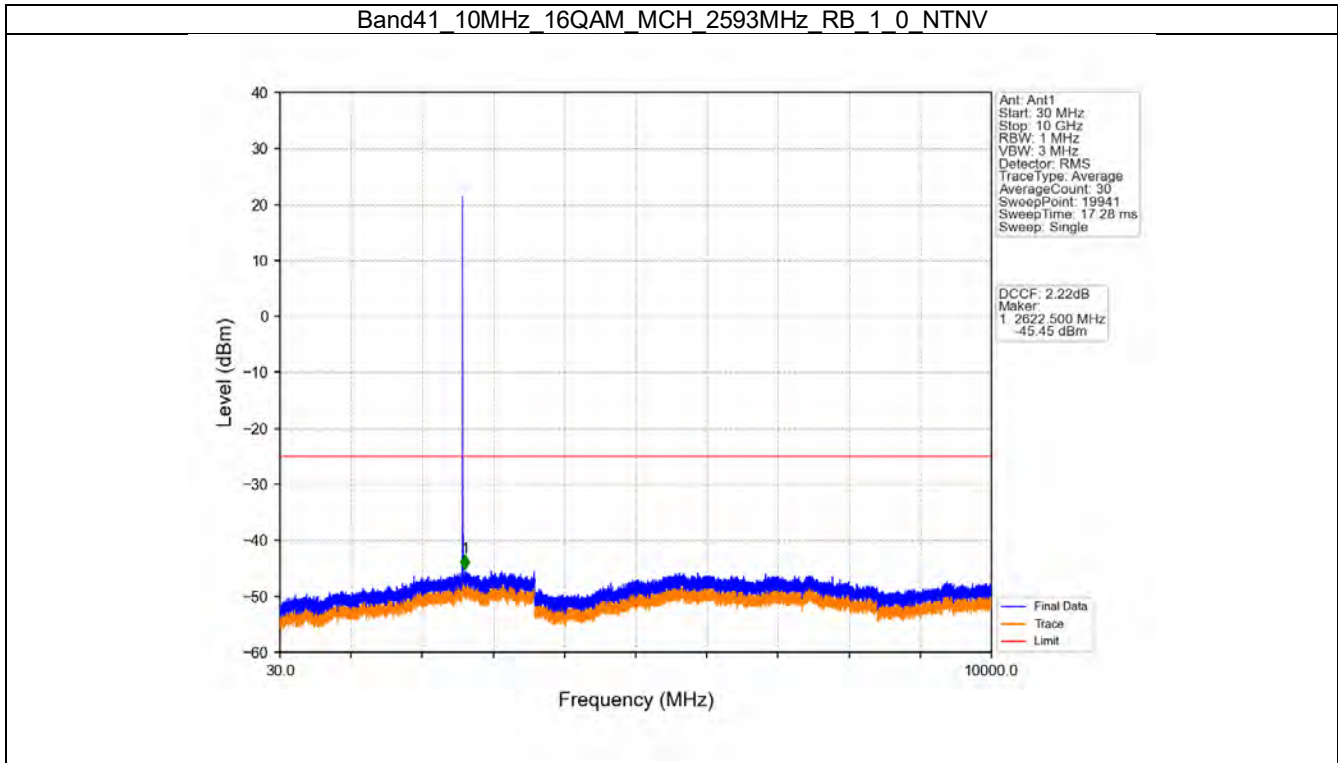


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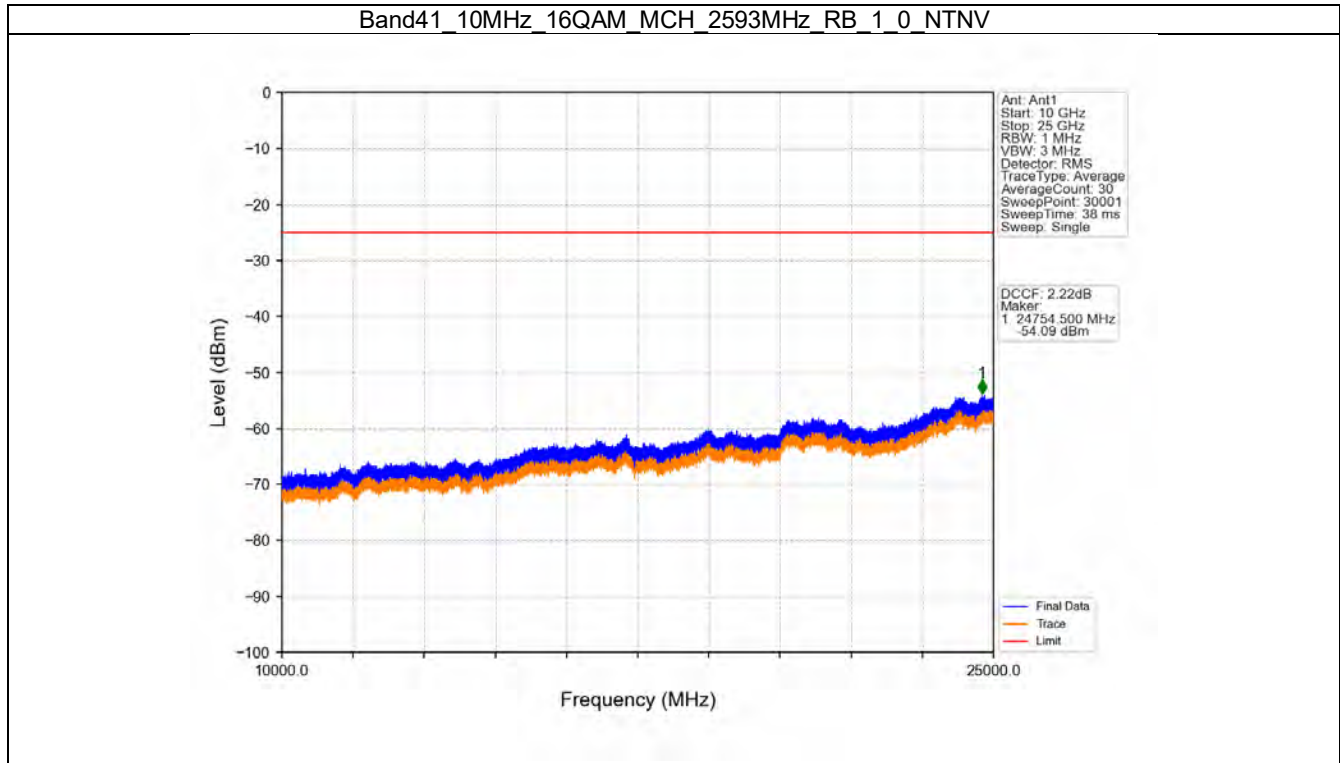


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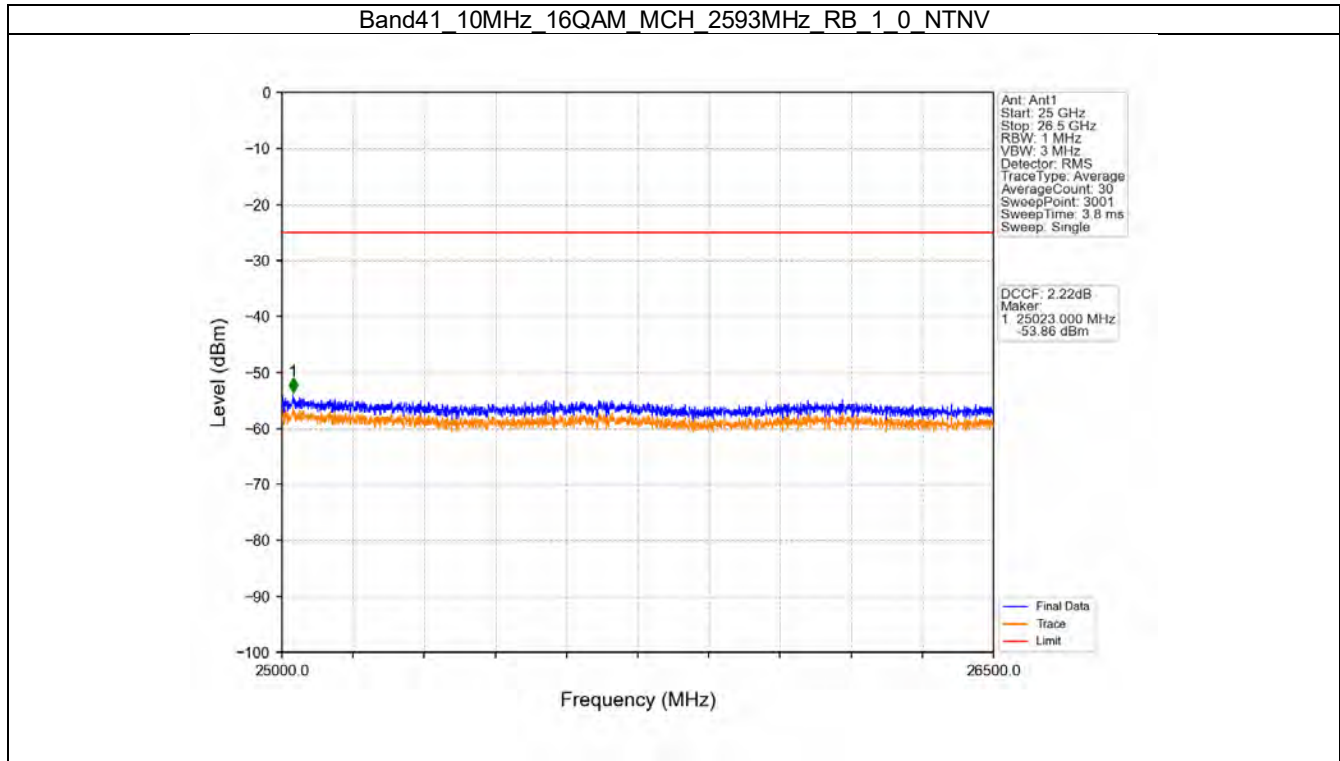


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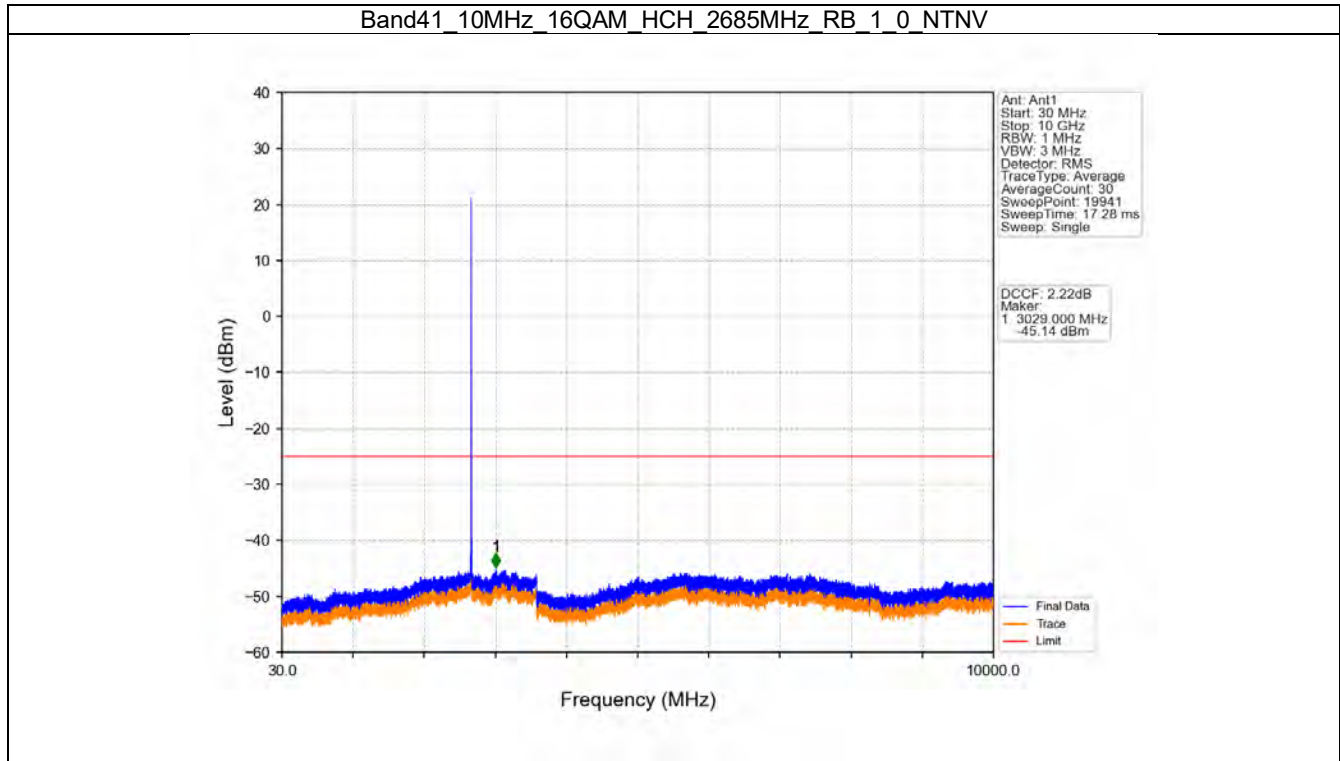


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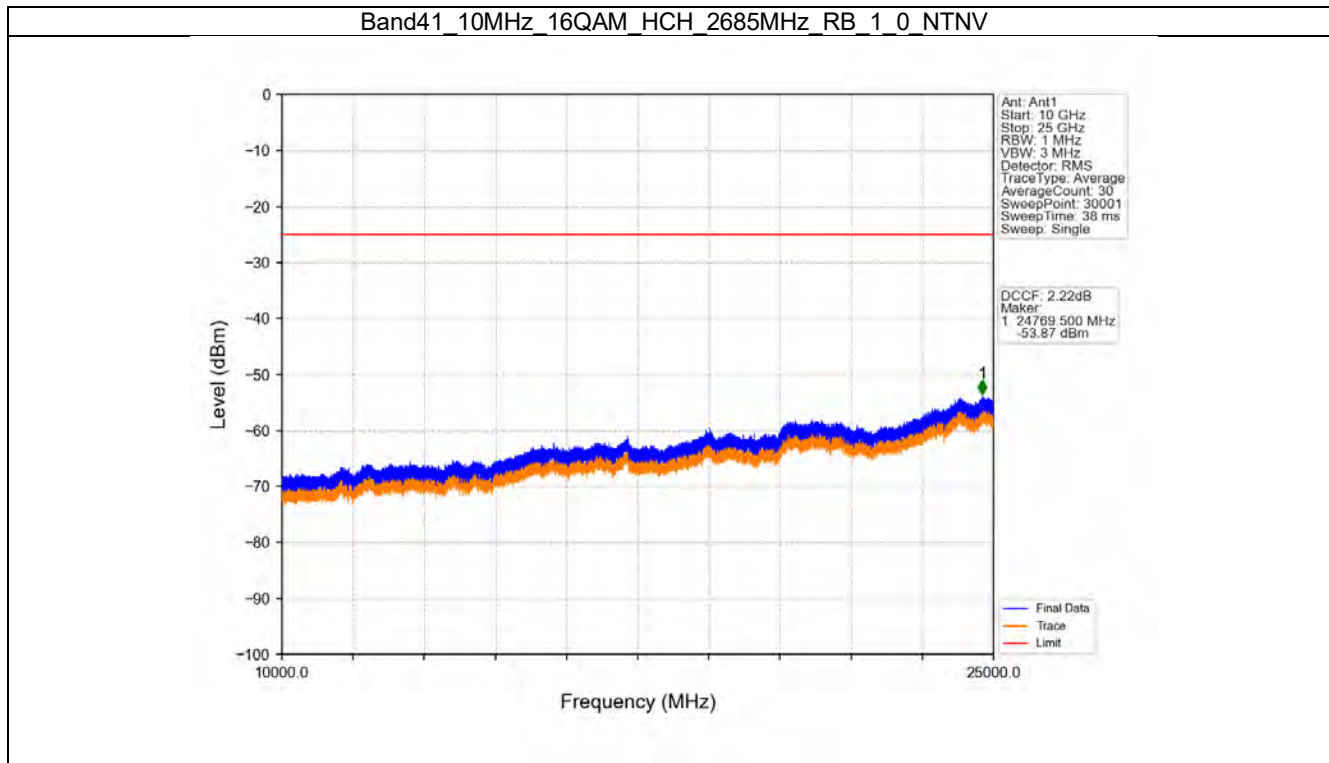
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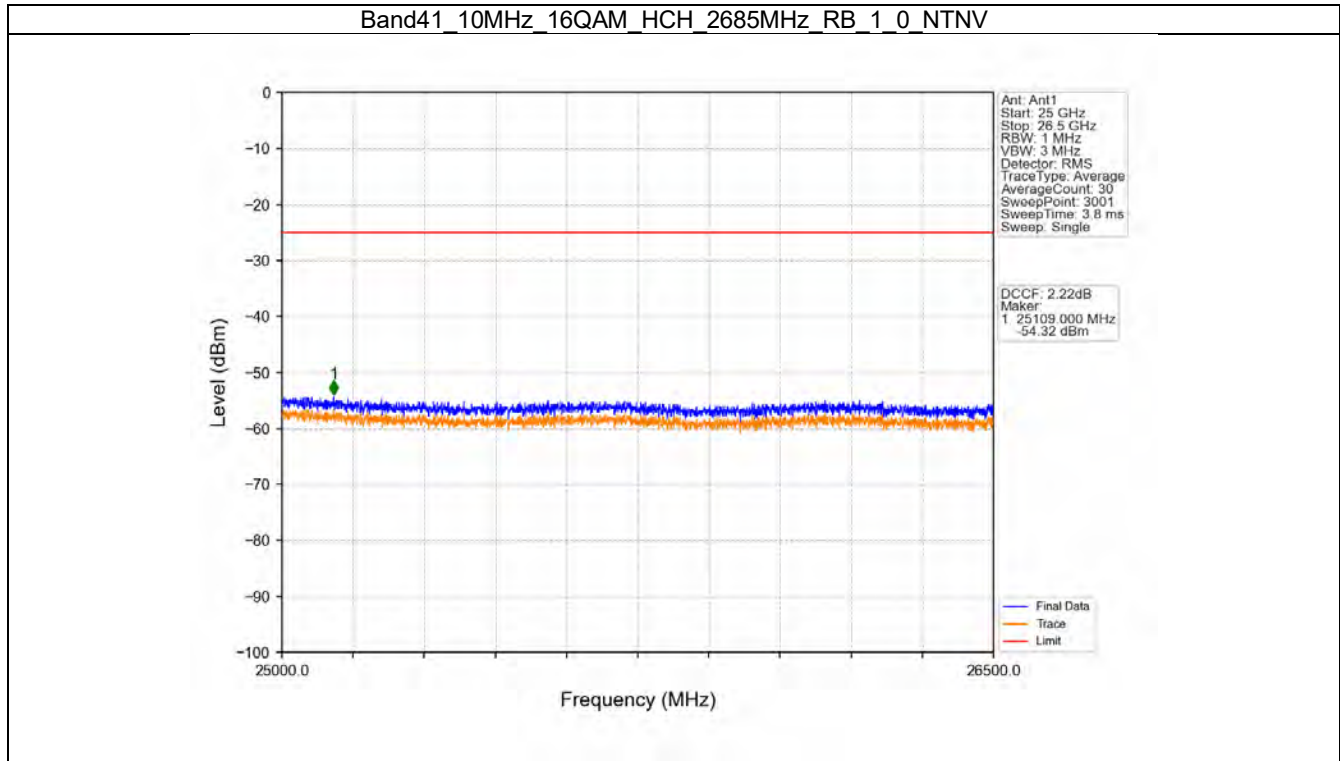


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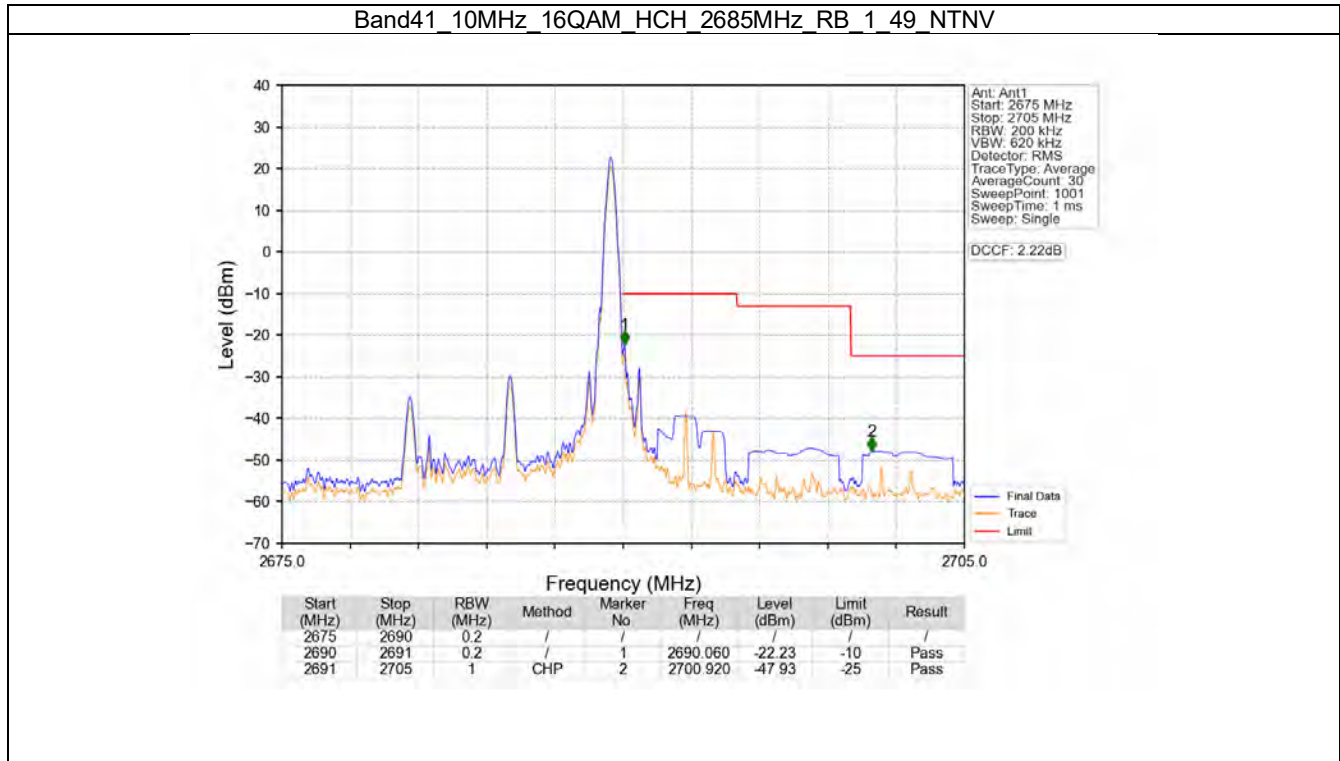


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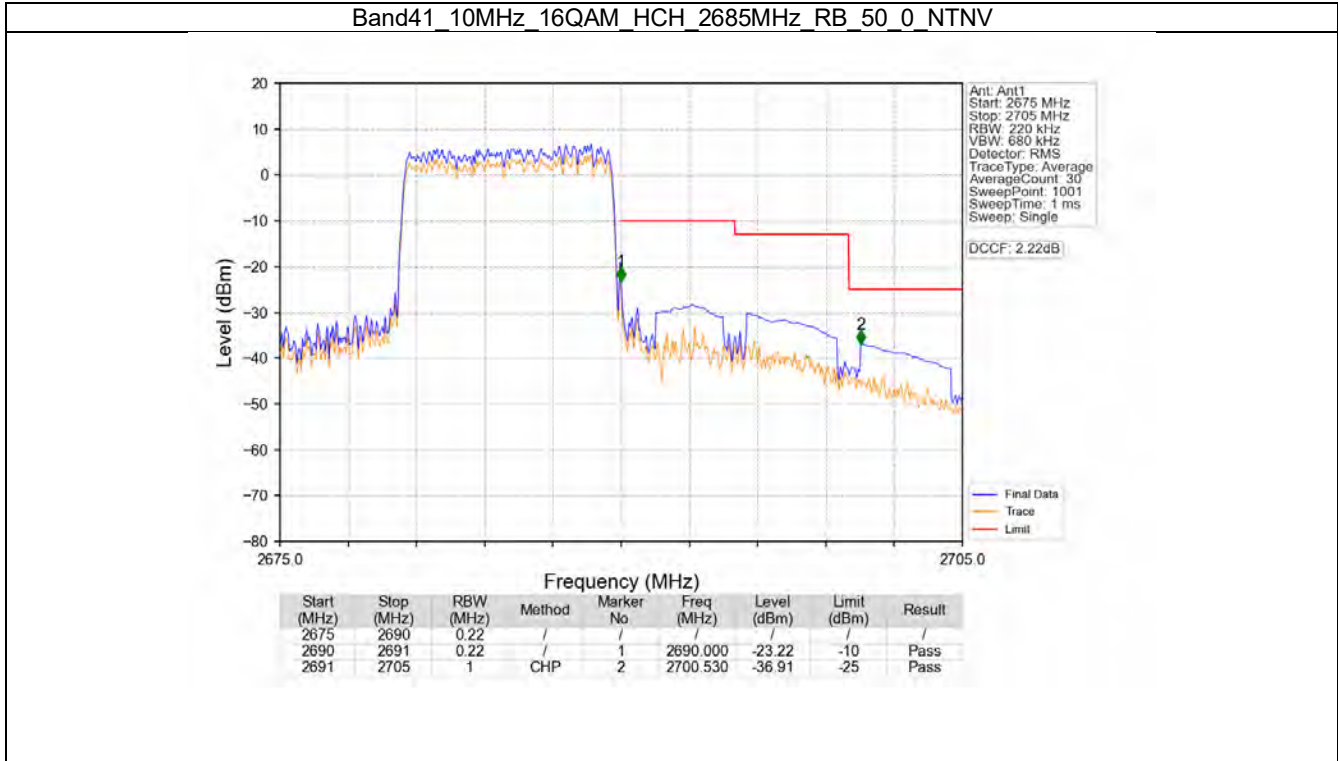


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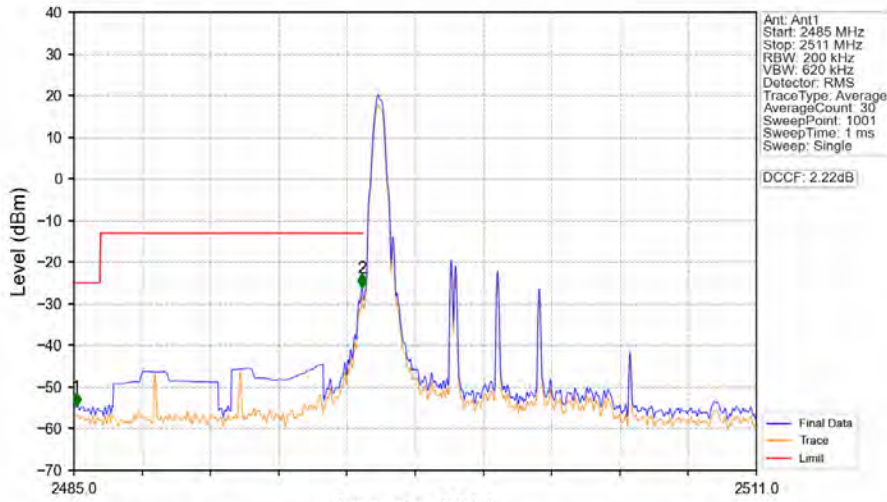
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Band41\_10MHz\_64QAM\_LCH\_2501MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2485.078	-54.65	-25	Pass
2495	2496	0.2	/	2	2495.972	-26.10	-13	Pass
2496	2511	0.2	/	/	/	/	/	/



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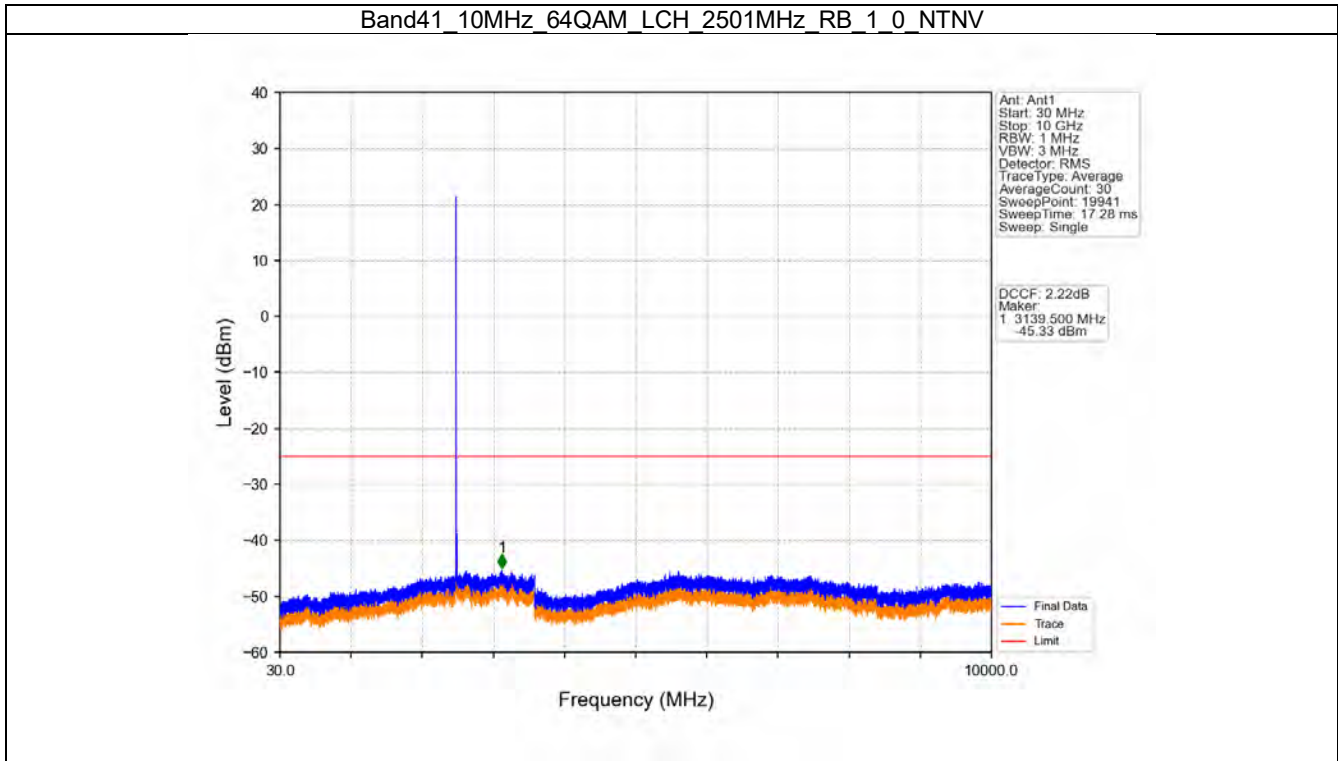


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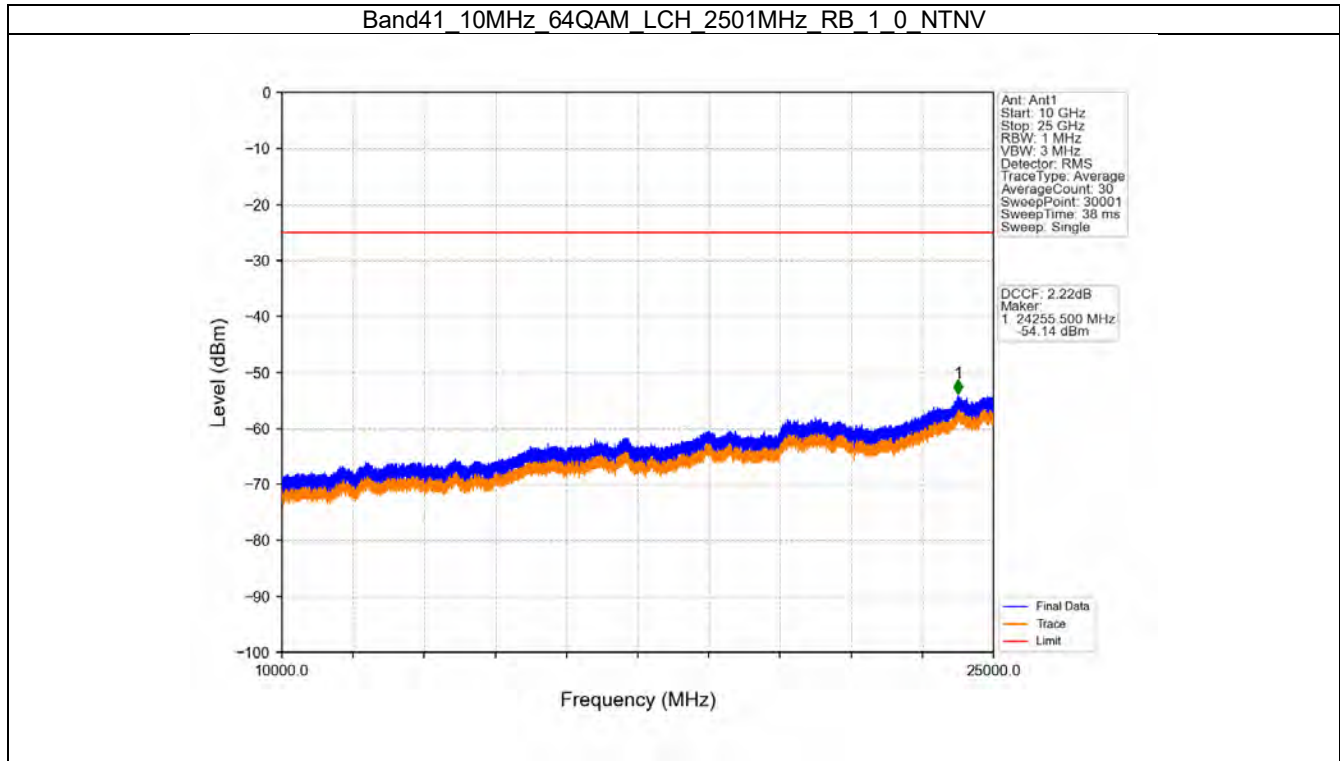


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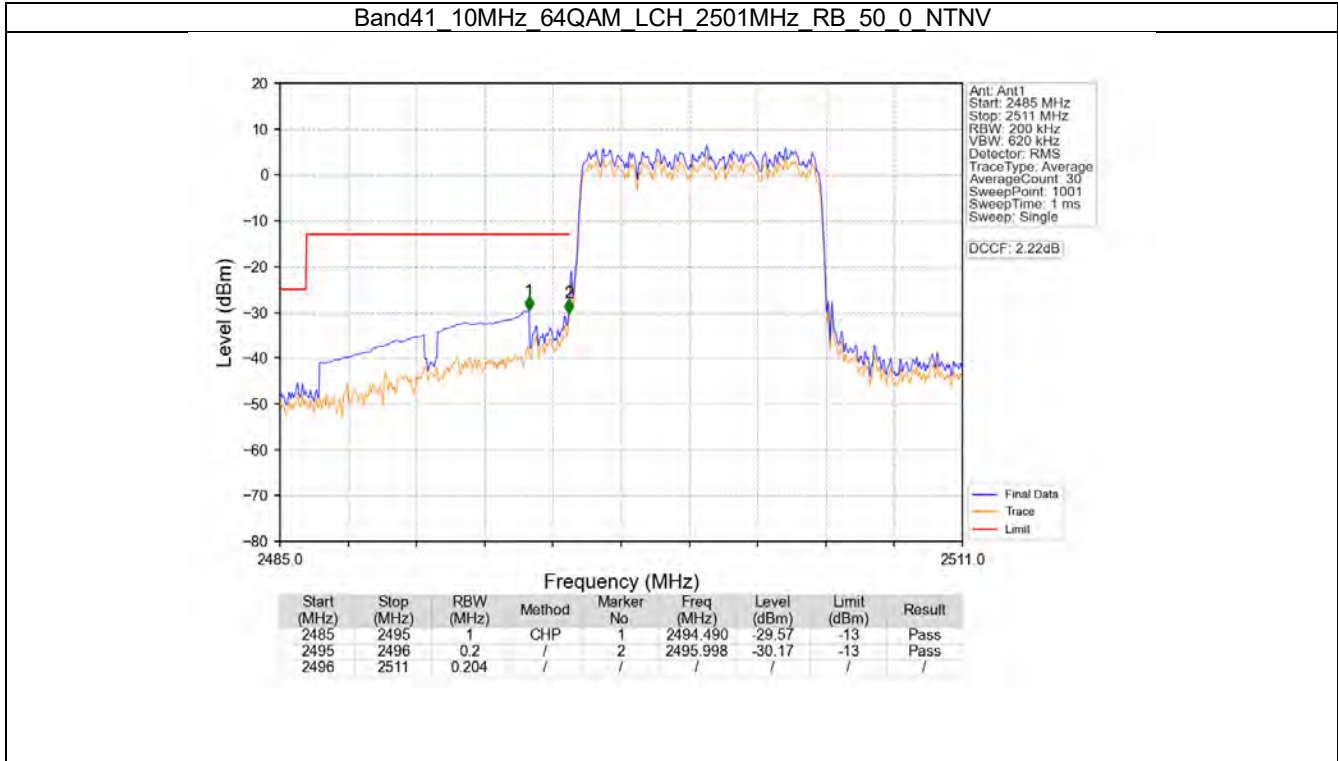


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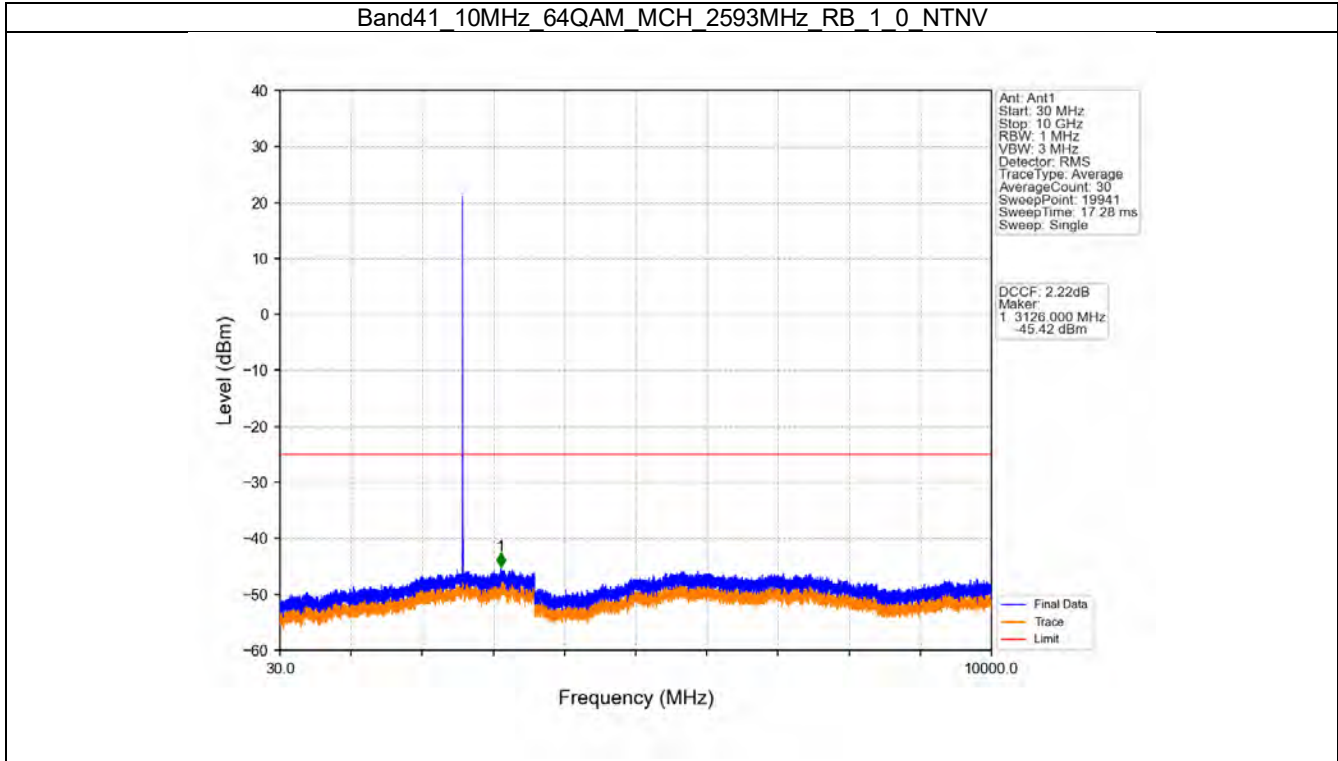


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