

## Appendix B.9 for KSEM2108001480CR-LTE-Band 7

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

#### 1.1 B7\_5MHz\_EIRP

##### 1.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2502.5	1	0	22.88	-1.40	21.48	<=33.01	Pass		
			13	22.86	-1.40	21.46	<=33.01	Pass		
			24	22.78	-1.40	21.38	<=33.01	Pass		
		12	0	21.85	-1.40	20.45	<=33.01	Pass		
			6	21.86	-1.40	20.46	<=33.01	Pass		
			13	21.78	-1.40	20.38	<=33.01	Pass		
		25	0	21.89	-1.40	20.49	<=33.01	Pass		
		2535	1	0	22.89	-1.40	21.49	<=33.01	Pass	
				13	22.69	-1.40	21.29	<=33.01	Pass	
	24			22.63	-1.40	21.23	<=33.01	Pass		
	12		0	21.63	-1.40	20.23	<=33.01	Pass		
			6	21.60	-1.40	20.20	<=33.01	Pass		
			13	21.63	-1.40	20.23	<=33.01	Pass		
	25		0	21.64	-1.40	20.24	<=33.01	Pass		
	2567.5		1	0	22.73	-1.40	21.33	<=33.01	Pass	
				13	22.69	-1.40	21.29	<=33.01	Pass	
		24		22.61	-1.40	21.21	<=33.01	Pass		
		12	0	21.67	-1.40	20.27	<=33.01	Pass		
			6	21.69	-1.40	20.29	<=33.01	Pass		
			13	21.70	-1.40	20.30	<=33.01	Pass		
		25	0	21.69	-1.40	20.29	<=33.01	Pass		
		16QAM	2502.5	1	0	22.23	-1.40	20.83	<=33.01	Pass
					13	22.18	-1.40	20.78	<=33.01	Pass
	24				22.05	-1.40	20.65	<=33.01	Pass	
12	0			20.94	-1.40	19.54	<=33.01	Pass		
	6			20.97	-1.40	19.57	<=33.01	Pass		
	13			20.87	-1.40	19.47	<=33.01	Pass		
25	0		20.91	-1.40	19.51	<=33.01	Pass			
2535	1		0	21.60	-1.40	20.20	<=33.01	Pass		
			13	21.51	-1.40	20.11	<=33.01	Pass		
			24	21.50	-1.40	20.10	<=33.01	Pass		
	12		0	20.66	-1.40	19.26	<=33.01	Pass		
			6	20.66	-1.40	19.26	<=33.01	Pass		
			13	20.65	-1.40	19.25	<=33.01	Pass		
	25		0	20.66	-1.40	19.26	<=33.01	Pass		



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2567.5	1	0	21.87	-1.40	20.47	<=33.01	Pass
		13	21.84	-1.40	20.44	<=33.01	Pass
		24	21.75	-1.40	20.35	<=33.01	Pass
	12	0	20.66	-1.40	19.26	<=33.01	Pass
		6	20.73	-1.40	19.33	<=33.01	Pass
		13	20.75	-1.40	19.35	<=33.01	Pass
	25	0	20.74	-1.40	19.34	<=33.01	Pass

Note1: EIRP=Power+Antenna Gain

## 1.2 B7\_10MHz\_EIRP

### 1.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2505	1	0	23.08	-1.40	21.68	<=33.01	Pass	
			25	22.96	-1.40	21.56	<=33.01	Pass	
			49	23.02	-1.40	21.62	<=33.01	Pass	
		25	0	21.97	-1.40	20.57	<=33.01	Pass	
			13	21.87	-1.40	20.47	<=33.01	Pass	
			25	21.94	-1.40	20.54	<=33.01	Pass	
	50	0	21.89	-1.40	20.49	<=33.01	Pass		
	2535	1	0	22.88	-1.40	21.48	<=33.01	Pass	
			25	22.66	-1.40	21.26	<=33.01	Pass	
			49	22.54	-1.40	21.14	<=33.01	Pass	
		25	0	21.67	-1.40	20.27	<=33.01	Pass	
			13	21.62	-1.40	20.22	<=33.01	Pass	
			25	21.64	-1.40	20.24	<=33.01	Pass	
	50	0	21.62	-1.40	20.22	<=33.01	Pass		
	2565	1	0	23.01	-1.40	21.61	<=33.01	Pass	
			25	22.72	-1.40	21.32	<=33.01	Pass	
			49	22.54	-1.40	21.14	<=33.01	Pass	
		25	0	21.76	-1.40	20.36	<=33.01	Pass	
			13	21.70	-1.40	20.30	<=33.01	Pass	
			25	21.68	-1.40	20.28	<=33.01	Pass	
	50	0	21.69	-1.40	20.29	<=33.01	Pass		
	16QAM	2505	1	0	22.18	-1.40	20.78	<=33.01	Pass
				25	22.13	-1.40	20.73	<=33.01	Pass
				49	21.90	-1.40	20.50	<=33.01	Pass
25			0	21.08	-1.40	19.68	<=33.01	Pass	
			13	20.98	-1.40	19.58	<=33.01	Pass	
			25	21.02	-1.40	19.62	<=33.01	Pass	
50		0	20.88	-1.40	19.48	<=33.01	Pass		
2535		1	0	21.90	-1.40	20.50	<=33.01	Pass	
			25	21.81	-1.40	20.41	<=33.01	Pass	
			49	21.63	-1.40	20.23	<=33.01	Pass	
		25	0	20.68	-1.40	19.28	<=33.01	Pass	



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	2565	50	13	20.67	-1.40	19.27	<=33.01	Pass
			25	20.71	-1.40	19.31	<=33.01	Pass
			0	20.64	-1.40	19.24	<=33.01	Pass
		1	0	22.46	-1.40	21.06	<=33.01	Pass
			25	22.22	-1.40	20.82	<=33.01	Pass
			49	22.04	-1.40	20.64	<=33.01	Pass
	25	0	20.82	-1.40	19.42	<=33.01	Pass	
		13	20.77	-1.40	19.37	<=33.01	Pass	
		25	20.76	-1.40	19.36	<=33.01	Pass	
	50	0	20.72	-1.40	19.32	<=33.01	Pass	

Note1: EIRP=Power+Antenna Gain

### 1.3 B7\_15MHz\_EIRP

#### 1.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTV										
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2507.5	1	0	22.17	-1.40	20.77	<=33.01	Pass		
			38	22.64	-1.40	21.24	<=33.01	Pass		
			74	22.36	-1.40	20.96	<=33.01	Pass		
		36	0	21.68	-1.40	20.28	<=33.01	Pass		
			18	21.80	-1.40	20.40	<=33.01	Pass		
			39	21.84	-1.40	20.44	<=33.01	Pass		
		75	0	21.78	-1.40	20.38	<=33.01	Pass		
		2535	1	0	22.10	-1.40	20.70	<=33.01	Pass	
				38	22.36	-1.40	20.96	<=33.01	Pass	
	74			22.13	-1.40	20.73	<=33.01	Pass		
	36		0	21.64	-1.40	20.24	<=33.01	Pass		
			18	21.66	-1.40	20.26	<=33.01	Pass		
			39	21.75	-1.40	20.35	<=33.01	Pass		
	75		0	21.68	-1.40	20.28	<=33.01	Pass		
	2562.5		1	0	22.07	-1.40	20.67	<=33.01	Pass	
				38	22.49	-1.40	21.09	<=33.01	Pass	
		74		22.11	-1.40	20.71	<=33.01	Pass		
		36	0	21.62	-1.40	20.22	<=33.01	Pass		
			18	21.62	-1.40	20.22	<=33.01	Pass		
			39	21.64	-1.40	20.24	<=33.01	Pass		
		75	0	21.59	-1.40	20.19	<=33.01	Pass		
		16QAM	2507.5	1	0	21.47	-1.40	20.07	<=33.01	Pass
					38	21.90	-1.40	20.50	<=33.01	Pass
	74				21.58	-1.40	20.18	<=33.01	Pass	
36	0			20.64	-1.40	19.24	<=33.01	Pass		
	18			20.75	-1.40	19.35	<=33.01	Pass		
	39			20.82	-1.40	19.42	<=33.01	Pass		



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	2535	75	0	20.74	-1.40	19.34	<=33.01	Pass
		1	0	21.16	-1.40	19.76	<=33.01	Pass
			38	21.60	-1.40	20.20	<=33.01	Pass
			74	21.26	-1.40	19.86	<=33.01	Pass
		36	0	20.64	-1.40	19.24	<=33.01	Pass
			18	20.69	-1.40	19.29	<=33.01	Pass
	39		20.78	-1.40	19.38	<=33.01	Pass	
	2562.5	75	0	20.68	-1.40	19.28	<=33.01	Pass
		1	0	21.62	-1.40	20.22	<=33.01	Pass
			38	21.99	-1.40	20.59	<=33.01	Pass
			74	21.71	-1.40	20.31	<=33.01	Pass
		36	0	20.65	-1.40	19.25	<=33.01	Pass
			18	20.66	-1.40	19.26	<=33.01	Pass
			39	20.68	-1.40	19.28	<=33.01	Pass
75		0	20.60	-1.40	19.20	<=33.01	Pass	

Note1: EIRP=Power+Antenna Gain

## 1.4 B7\_20MHz\_EIRP

### 1.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTNv									
Modulation	Frequency (MHz)	RB Allocation		Power (dBm)	Gain (dbi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2510	1	0	22.29	-1.40	20.89	<=33.01	Pass	
			50	22.71	-1.40	21.31	<=33.01	Pass	
			99	22.71	-1.40	21.31	<=33.01	Pass	
		50	0	21.63	-1.40	20.23	<=33.01	Pass	
			25	21.68	-1.40	20.28	<=33.01	Pass	
			50	21.70	-1.40	20.30	<=33.01	Pass	
	100	0	21.66	-1.40	20.26	<=33.01	Pass		
	2535	1	0	22.34	-1.40	20.94	<=33.01	Pass	
			50	22.51	-1.40	21.11	<=33.01	Pass	
			99	22.66	-1.40	21.26	<=33.01	Pass	
		50	0	21.53	-1.40	20.13	<=33.01	Pass	
			25	21.58	-1.40	20.18	<=33.01	Pass	
			50	21.58	-1.40	20.18	<=33.01	Pass	
	100	0	21.54	-1.40	20.14	<=33.01	Pass		
	2560	1	0	22.23	-1.40	20.83	<=33.01	Pass	
			50	22.57	-1.40	21.17	<=33.01	Pass	
			99	22.47	-1.40	21.07	<=33.01	Pass	
		50	0	21.50	-1.40	20.10	<=33.01	Pass	
			25	21.53	-1.40	20.13	<=33.01	Pass	
			50	21.58	-1.40	20.18	<=33.01	Pass	
	100	0	21.61	-1.40	20.21	<=33.01	Pass		
	16QAM	2510	1	0	21.77	-1.40	20.37	<=33.01	Pass



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	50	50	22.12	-1.40	20.72	<=33.01	Pass	
		99	22.22	-1.40	20.82	<=33.01	Pass	
		0	20.61	-1.40	19.21	<=33.01	Pass	
		25	20.72	-1.40	19.32	<=33.01	Pass	
		50	20.70	-1.40	19.30	<=33.01	Pass	
	100	0	20.64	-1.40	19.24	<=33.01	Pass	
		1	0	21.52	-1.40	20.12	<=33.01	Pass
			50	21.77	-1.40	20.37	<=33.01	Pass
	99		22.00	-1.40	20.60	<=33.01	Pass	
	2535	50	0	20.63	-1.40	19.23	<=33.01	Pass
			25	20.67	-1.40	19.27	<=33.01	Pass
			50	20.69	-1.40	19.29	<=33.01	Pass
		100	0	20.65	-1.40	19.25	<=33.01	Pass
			2560	1	0	21.48	-1.40	20.08
	50	21.83			-1.40	20.43	<=33.01	Pass
	99	21.71			-1.40	20.31	<=33.01	Pass
	50	0		20.53	-1.40	19.13	<=33.01	Pass
		25		20.54	-1.40	19.14	<=33.01	Pass
		50	20.60	-1.40	19.20	<=33.01	Pass	
	100	0	20.60	-1.40	19.20	<=33.01	Pass	

Note1: EIRP=Power+Antenna Gain

Remark1:

For getting the EIRP (Efficient Isotropic Radiated Power), the following formula should be taken to calculate it,

ERP [dBm] = Power [dBm] + Gain [dBd]

EIRP [dBm] = Power [dBm] + Gain [dBi]



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## 2. Frequency Stability

### 2.1 B7\_5MHz

#### 2.1.1 Test Result

Band: 7 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2502.5	25	0	20	3.27	4.13	0.00	-2.5 to 2.5	Pass
					3.85	4.53	0.00	-2.5 to 2.5	Pass
					4.43	4.12	0.00	-2.5 to 2.5	Pass
				-30	3.85	3.00	0.00	-2.5 to 2.5	Pass
				-20	3.85	3.08	0.00	-2.5 to 2.5	Pass
				-10	3.85	3.53	0.00	-2.5 to 2.5	Pass
				0	3.85	2.57	0.00	-2.5 to 2.5	Pass
				10	3.85	4.01	0.00	-2.5 to 2.5	Pass
				30	3.85	4.62	0.00	-2.5 to 2.5	Pass
	40	3.85	3.23	0.00	-2.5 to 2.5	Pass			
	50	3.85	3.58	0.00	-2.5 to 2.5	Pass			
	2535	25	0	20	3.27	-3.05	-0.00	-2.5 to 2.5	Pass
					3.85	-0.90	-0.00	-2.5 to 2.5	Pass
					4.43	-1.12	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-2.72	-0.00	-2.5 to 2.5	Pass
				-20	3.85	-3.12	-0.00	-2.5 to 2.5	Pass
				-10	3.85	-3.16	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.60	-0.00	-2.5 to 2.5	Pass
				10	3.85	-3.08	-0.00	-2.5 to 2.5	Pass
				30	3.85	-2.12	-0.00	-2.5 to 2.5	Pass
	40	3.85	-2.32	-0.00	-2.5 to 2.5	Pass			
	50	3.85	-1.50	-0.00	-2.5 to 2.5	Pass			
	2567.5	25	0	20	3.27	1.79	0.00	-2.5 to 2.5	Pass
					3.85	-1.56	-0.00	-2.5 to 2.5	Pass
					4.43	-0.53	-0.00	-2.5 to 2.5	Pass
				-30	3.85	0.54	0.00	-2.5 to 2.5	Pass
				-20	3.85	2.09	0.00	-2.5 to 2.5	Pass
-10				3.85	1.14	0.00	-2.5 to 2.5	Pass	
0				3.85	1.66	0.00	-2.5 to 2.5	Pass	
10				3.85	1.76	0.00	-2.5 to 2.5	Pass	
30				3.85	2.37	0.00	-2.5 to 2.5	Pass	
40	3.85	0.87	0.00	-2.5 to 2.5	Pass				
50	3.85	1.89	0.00	-2.5 to 2.5	Pass				
16QAM	2502.5	25	0	20	3.27	1.82	0.00	-2.5 to 2.5	Pass
					3.85	3.71	0.00	-2.5 to 2.5	Pass



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					4.43	4.19	0.00	-2.5 to 2.5	Pass	
				-30	3.85	4.31	0.00	-2.5 to 2.5	Pass	
				-20	3.85	3.85	0.00	-2.5 to 2.5	Pass	
				-10	3.85	4.03	0.00	-2.5 to 2.5	Pass	
				0	3.85	3.35	0.00	-2.5 to 2.5	Pass	
				10	3.85	4.08	0.00	-2.5 to 2.5	Pass	
				30	3.85	4.92	0.00	-2.5 to 2.5	Pass	
				40	3.85	3.30	0.00	-2.5 to 2.5	Pass	
	50	3.85	4.99	0.00	-2.5 to 2.5	Pass				
	2535	25	0		20	3.27	-1.24	-0.00	-2.5 to 2.5	Pass
						3.85	-3.98	-0.00	-2.5 to 2.5	Pass
						4.43	-0.46	-0.00	-2.5 to 2.5	Pass
					-30	3.85	-0.72	-0.00	-2.5 to 2.5	Pass
					-20	3.85	-3.08	-0.00	-2.5 to 2.5	Pass
					-10	3.85	-1.29	-0.00	-2.5 to 2.5	Pass
					0	3.85	-2.62	-0.00	-2.5 to 2.5	Pass
					10	3.85	-0.62	-0.00	-2.5 to 2.5	Pass
	2567.5	25	0		20	3.27	1.47	0.00	-2.5 to 2.5	Pass
						3.85	-0.29	-0.00	-2.5 to 2.5	Pass
						4.43	-0.16	-0.00	-2.5 to 2.5	Pass
					-30	3.85	-0.09	0.00	-2.5 to 2.5	Pass
					-20	3.85	-0.04	0.00	-2.5 to 2.5	Pass
					-10	3.85	1.12	0.00	-2.5 to 2.5	Pass
					0	3.85	2.00	0.00	-2.5 to 2.5	Pass
					10	3.85	0.40	0.00	-2.5 to 2.5	Pass
	30	3.85	0.64	0.00	-2.5 to 2.5	Pass				
	40	3.85	2.60	0.00	-2.5 to 2.5	Pass				
	50	3.85	0.93	0.00	-2.5 to 2.5	Pass				

## 2.2 B7\_10MHz

### 2.2.1 Test Result

Band: 7 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2505	50	0	20	3.27	-2.98	-0.00	-2.5 to 2.5	Pass	
					3.85	-2.40	-0.00	-2.5 to 2.5	Pass	
					4.43	-1.79	-0.00	-2.5 to 2.5	Pass	
					-30	3.85	-2.16	-0.00	-2.5 to 2.5	Pass
					-20	3.85	-0.47	-0.00	-2.5 to 2.5	Pass
					-10	3.85	-2.98	-0.00	-2.5 to 2.5	Pass
					0	3.85	-2.82	-0.00	-2.5 to 2.5	Pass



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16QAM	2535	50	0	10	3.85	-2.19	-0.00	-2.5 to 2.5	Pass		
				30	3.85	-1.86	-0.00	-2.5 to 2.5	Pass		
				40	3.85	-2.33	-0.00	-2.5 to 2.5	Pass		
				50	3.85	-1.63	-0.00	-2.5 to 2.5	Pass		
				20	3.27	-2.22	-0.00	-2.5 to 2.5	Pass		
					3.85	-2.47	-0.00	-2.5 to 2.5	Pass		
					4.43	-2.99	-0.00	-2.5 to 2.5	Pass		
				-30	3.85	-3.62	-0.00	-2.5 to 2.5	Pass		
				-20	3.85	-1.67	-0.00	-2.5 to 2.5	Pass		
				-10	3.85	-2.36	-0.00	-2.5 to 2.5	Pass		
				0	3.85	-2.26	-0.00	-2.5 to 2.5	Pass		
				10	3.85	-0.70	-0.00	-2.5 to 2.5	Pass		
	30	3.85	-4.84	-0.00	-2.5 to 2.5	Pass					
	40	3.85	-1.96	-0.00	-2.5 to 2.5	Pass					
	50	3.85	-2.53	-0.00	-2.5 to 2.5	Pass					
	2565	50	0	20	3.27	-3.43	-0.00	-2.5 to 2.5	Pass		
					3.85	-2.79	-0.00	-2.5 to 2.5	Pass		
					4.43	-2.93	-0.00	-2.5 to 2.5	Pass		
				-30	3.85	-2.46	-0.00	-2.5 to 2.5	Pass		
				-20	3.85	-3.40	-0.00	-2.5 to 2.5	Pass		
				-10	3.85	-1.95	-0.00	-2.5 to 2.5	Pass		
				0	3.85	-3.43	-0.00	-2.5 to 2.5	Pass		
				10	3.85	-1.36	-0.00	-2.5 to 2.5	Pass		
				30	3.85	-3.43	-0.00	-2.5 to 2.5	Pass		
				40	3.85	-4.88	-0.00	-2.5 to 2.5	Pass		
				50	3.85	-5.45	-0.00	-2.5 to 2.5	Pass		
				2505	50	0	20	3.27	-2.65	-0.00	-2.5 to 2.5
	3.85	-2.13	-0.00					-2.5 to 2.5	Pass		
4.43	-0.79	-0.00	-2.5 to 2.5					Pass			
-30	3.85	-1.46	-0.00				-2.5 to 2.5	Pass			
-20	3.85	-3.29	-0.00				-2.5 to 2.5	Pass			
-10	3.85	-3.30	-0.00				-2.5 to 2.5	Pass			
0	3.85	-1.37	-0.00				-2.5 to 2.5	Pass			
10	3.85	-3.05	-0.00				-2.5 to 2.5	Pass			
30	3.85	-2.26	-0.00				-2.5 to 2.5	Pass			
40	3.85	-2.75	-0.00				-2.5 to 2.5	Pass			
50	3.85	-1.85	-0.00				-2.5 to 2.5	Pass			
2535	50	0	20				3.27	-5.02	-0.00	-2.5 to 2.5	Pass
							3.85	-2.88	-0.00	-2.5 to 2.5	Pass
							4.43	-1.13	-0.00	-2.5 to 2.5	Pass
			-30				3.85	-2.05	-0.00	-2.5 to 2.5	Pass
			-20				3.85	-2.07	-0.00	-2.5 to 2.5	Pass
			-10				3.85	-2.05	-0.00	-2.5 to 2.5	Pass
			0				3.85	-2.66	-0.00	-2.5 to 2.5	Pass
			10	3.85	-2.02	-0.00	-2.5 to 2.5	Pass			
			30	3.85	-1.32	-0.00	-2.5 to 2.5	Pass			
40	3.85	-3.91	-0.00	-2.5 to 2.5	Pass						
50	3.85	-2.59	-0.00	-2.5 to 2.5	Pass						



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2565	50	0	20	3.27	-3.71	-0.00	-2.5 to 2.5	Pass		
				3.85	-4.51	-0.00	-2.5 to 2.5	Pass		
				4.43	-1.63	-0.00	-2.5 to 2.5	Pass		
			-30	-20	-10	3.85	-4.35	-0.00	-2.5 to 2.5	Pass
						3.85	-2.56	-0.00	-2.5 to 2.5	Pass
			0	3.85	-2.09	-0.00	-2.5 to 2.5	Pass		
			10	3.85	-3.19	-0.00	-2.5 to 2.5	Pass		
			30	3.85	-3.00	-0.00	-2.5 to 2.5	Pass		
			40	3.85	-1.99	-0.00	-2.5 to 2.5	Pass		
			50	3.85	-4.82	-0.00	-2.5 to 2.5	Pass		
50	3.85	-3.63	-0.00	-2.5 to 2.5	Pass					

## 2.3 B7\_15MHz

### 2.3.1 Test Result

Band: 7 / Bandwidth: 15MHz											
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict		
		Size	Offset				Result	Limit			
QPSK	2507.5	75	0	20	3.27	-0.49	-0.00	-2.5 to 2.5	Pass		
					3.85	0.54	0.00	-2.5 to 2.5	Pass		
					4.43	1.06	0.00	-2.5 to 2.5	Pass		
				-30	-20	-10	3.85	0.31	0.00	-2.5 to 2.5	Pass
							3.85	1.39	0.00	-2.5 to 2.5	Pass
				0	3.85	1.87	0.00	-2.5 to 2.5	Pass		
				10	3.85	0.60	0.00	-2.5 to 2.5	Pass		
				30	3.85	0.11	0.00	-2.5 to 2.5	Pass		
				40	3.85	1.26	0.00	-2.5 to 2.5	Pass		
				50	3.85	0.59	0.00	-2.5 to 2.5	Pass		
	50	3.85	0.47	0.00	-2.5 to 2.5	Pass					
	2535	75	0	20	3.27	-3.88	-0.00	-2.5 to 2.5	Pass		
					3.85	-2.07	-0.00	-2.5 to 2.5	Pass		
					4.43	-3.19	-0.00	-2.5 to 2.5	Pass		
				-30	-20	-10	3.85	-2.62	-0.00	-2.5 to 2.5	Pass
							3.85	-3.16	-0.00	-2.5 to 2.5	Pass
				0	3.85	-3.79	-0.00	-2.5 to 2.5	Pass		
				10	3.85	-2.40	-0.00	-2.5 to 2.5	Pass		
				30	3.85	-3.09	-0.00	-2.5 to 2.5	Pass		
				40	3.85	-2.62	-0.00	-2.5 to 2.5	Pass		
				50	3.85	-2.55	-0.00	-2.5 to 2.5	Pass		
	50	3.85	-2.93	-0.00	-2.5 to 2.5	Pass					
	2562.5	75	0	20	3.27	1.67	0.00	-2.5 to 2.5	Pass		
					3.85	1.93	0.00	-2.5 to 2.5	Pass		
					4.43	3.15	0.00	-2.5 to 2.5	Pass		
				-30	3.85	2.56	0.00	-2.5 to 2.5	Pass		
				-20	3.85	1.27	0.00	-2.5 to 2.5	Pass		



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				-10	3.85	2.45	0.00	-2.5 to 2.5	Pass	
				0	3.85	2.65	0.00	-2.5 to 2.5	Pass	
				10	3.85	1.32	0.00	-2.5 to 2.5	Pass	
				30	3.85	1.02	0.00	-2.5 to 2.5	Pass	
				40	3.85	2.06	0.00	-2.5 to 2.5	Pass	
				50	3.85	2.73	0.00	-2.5 to 2.5	Pass	
16QAM	2507.5	75	0	20	3.27	1.47	0.00	-2.5 to 2.5	Pass	
					3.85	0.07	0.00	-2.5 to 2.5	Pass	
					4.43	0.60	0.00	-2.5 to 2.5	Pass	
				-30	3.85	0.67	0.00	-2.5 to 2.5	Pass	
					3.85	0.34	0.00	-2.5 to 2.5	Pass	
					3.85	-0.99	-0.00	-2.5 to 2.5	Pass	
				0	3.85	-0.51	-0.00	-2.5 to 2.5	Pass	
					10	3.85	0.41	0.00	-2.5 to 2.5	Pass
					30	3.85	0.93	0.00	-2.5 to 2.5	Pass
					40	3.85	-0.53	-0.00	-2.5 to 2.5	Pass
	50	3.85	-0.31		-0.00	-2.5 to 2.5	Pass			
	2535	75	0		20	3.27	-2.79	-0.00	-2.5 to 2.5	Pass
						3.85	-4.16	-0.00	-2.5 to 2.5	Pass
						4.43	-2.63	-0.00	-2.5 to 2.5	Pass
				-30	3.85	-4.19	-0.00	-2.5 to 2.5	Pass	
					3.85	-1.29	-0.00	-2.5 to 2.5	Pass	
					3.85	-3.68	-0.00	-2.5 to 2.5	Pass	
				0	3.85	-4.42	-0.00	-2.5 to 2.5	Pass	
					10	3.85	-4.62	-0.00	-2.5 to 2.5	Pass
					30	3.85	-3.06	-0.00	-2.5 to 2.5	Pass
					40	3.85	-4.26	-0.00	-2.5 to 2.5	Pass
	50	3.85	-4.84		-0.00	-2.5 to 2.5	Pass			
	2562.5	75	0		20	3.27	1.10	0.00	-2.5 to 2.5	Pass
						3.85	1.26	0.00	-2.5 to 2.5	Pass
						4.43	2.22	0.00	-2.5 to 2.5	Pass
				-30	3.85	2.20	0.00	-2.5 to 2.5	Pass	
					3.85	0.04	0.00	-2.5 to 2.5	Pass	
					3.85	-0.07	0.00	-2.5 to 2.5	Pass	
				0	3.85	1.42	0.00	-2.5 to 2.5	Pass	
					10	3.85	0.97	0.00	-2.5 to 2.5	Pass
30					3.85	0.10	0.00	-2.5 to 2.5	Pass	
40					3.85	2.88	0.00	-2.5 to 2.5	Pass	
50	3.85	1.95	0.00		-2.5 to 2.5	Pass				



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2.4 B7\_20MHz

2.4.1 Test Result

Band: 7 / Bandwidth: 20MHz													
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict				
		Size	Offset				Result	Limit					
QPSK	2510	100	0	20	3.27	2.63	0.00	-2.5 to 2.5	Pass				
					3.85	0.87	0.00	-2.5 to 2.5	Pass				
					4.43	1.17	0.00	-2.5 to 2.5	Pass				
				2535	100	0	-30	3.85	1.37	0.00	-2.5 to 2.5	Pass	
								-20	3.85	1.75	0.00	-2.5 to 2.5	Pass
									-10	3.85	3.82	0.00	-2.5 to 2.5
							0	3.85	1.96	0.00	-2.5 to 2.5	Pass	
								10	3.85	1.57	0.00	-2.5 to 2.5	Pass
								30	3.85	2.27	0.00	-2.5 to 2.5	Pass
	40	3.85	2.75					0.00	-2.5 to 2.5	Pass			
	50	3.85	1.37					0.00	-2.5 to 2.5	Pass			
	2560	100	0					20	3.27	-2.93	-0.00	-2.5 to 2.5	Pass
				3.85	-2.80	-0.00	-2.5 to 2.5		Pass				
				4.43	-3.05	-0.00	-2.5 to 2.5		Pass				
				-30	3.85	-2.46	-0.00	-2.5 to 2.5	Pass				
					-20	3.85	-3.10	-0.00	-2.5 to 2.5	Pass			
						-10	3.85	-1.92	-0.00	-2.5 to 2.5	Pass		
				0	3.85	-3.45	-0.00	-2.5 to 2.5	Pass				
					10	3.85	-2.57	-0.00	-2.5 to 2.5	Pass			
					30	3.85	-3.89	-0.00	-2.5 to 2.5	Pass			
	40	3.85	-3.00		-0.00	-2.5 to 2.5	Pass						
	50	3.85	-3.38		-0.00	-2.5 to 2.5	Pass						
	16QAM	2510	100		0	20	3.27	-0.57	-0.00	-2.5 to 2.5	Pass		
				3.85			0.90	0.00	-2.5 to 2.5	Pass			
				4.43			-0.27	-0.00	-2.5 to 2.5	Pass			
				-30		3.85	-0.39	-0.00	-2.5 to 2.5	Pass			
						-20	3.85	1.80	0.00	-2.5 to 2.5	Pass		
-10							3.85	0.36	0.00	-2.5 to 2.5	Pass		
0				3.85		1.24	0.00	-2.5 to 2.5	Pass				
				10		3.85	0.76	0.00	-2.5 to 2.5	Pass			
				30		3.85	-0.11	0.00	-2.5 to 2.5	Pass			
	40	3.85	1.02	0.00	-2.5 to 2.5	Pass							
	50	3.85	0.60	0.00	-2.5 to 2.5	Pass							
	2510	100	0	20	3.27	0.59	0.00	-2.5 to 2.5	Pass				
3.85					1.79	0.00	-2.5 to 2.5	Pass					
4.43					1.43	0.00	-2.5 to 2.5	Pass					
-30					3.85	1.82	0.00	-2.5 to 2.5	Pass				
				-20	3.85	2.70	0.00	-2.5 to 2.5	Pass				



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				-10	3.85	0.29	0.00	-2.5 to 2.5	Pass			
				0	3.85	0.16	0.00	-2.5 to 2.5	Pass			
				10	3.85	0.19	0.00	-2.5 to 2.5	Pass			
				30	3.85	0.59	0.00	-2.5 to 2.5	Pass			
				40	3.85	1.86	0.00	-2.5 to 2.5	Pass			
				50	3.85	1.13	0.00	-2.5 to 2.5	Pass			
2535	100	0	20	3.27	-4.21	-0.00	-2.5 to 2.5	Pass				
				3.85	-4.85	-0.00	-2.5 to 2.5	Pass				
				4.43	-4.23	-0.00	-2.5 to 2.5	Pass				
							-30	3.85	-3.49	-0.00	-2.5 to 2.5	Pass
							-20	3.85	-3.13	-0.00	-2.5 to 2.5	Pass
							-10	3.85	-3.30	-0.00	-2.5 to 2.5	Pass
							0	3.85	-4.84	-0.00	-2.5 to 2.5	Pass
							10	3.85	-1.80	-0.00	-2.5 to 2.5	Pass
							30	3.85	-2.92	-0.00	-2.5 to 2.5	Pass
							40	3.85	-3.06	-0.00	-2.5 to 2.5	Pass
							50	3.85	-1.63	-0.00	-2.5 to 2.5	Pass
			2560	100	0	20	3.27	-1.17	-0.00	-2.5 to 2.5	Pass	
3.85	-0.77	-0.00					-2.5 to 2.5	Pass				
4.43	0.73	0.00					-2.5 to 2.5	Pass				
							-30	3.85	0.30	0.00	-2.5 to 2.5	Pass
							-20	3.85	0.26	0.00	-2.5 to 2.5	Pass
							-10	3.85	-1.66	-0.00	-2.5 to 2.5	Pass
							0	3.85	0.64	0.00	-2.5 to 2.5	Pass
							10	3.85	-0.29	-0.00	-2.5 to 2.5	Pass
							30	3.85	0.57	0.00	-2.5 to 2.5	Pass
							40	3.85	-0.47	-0.00	-2.5 to 2.5	Pass
							50	3.85	-0.34	-0.00	-2.5 to 2.5	Pass



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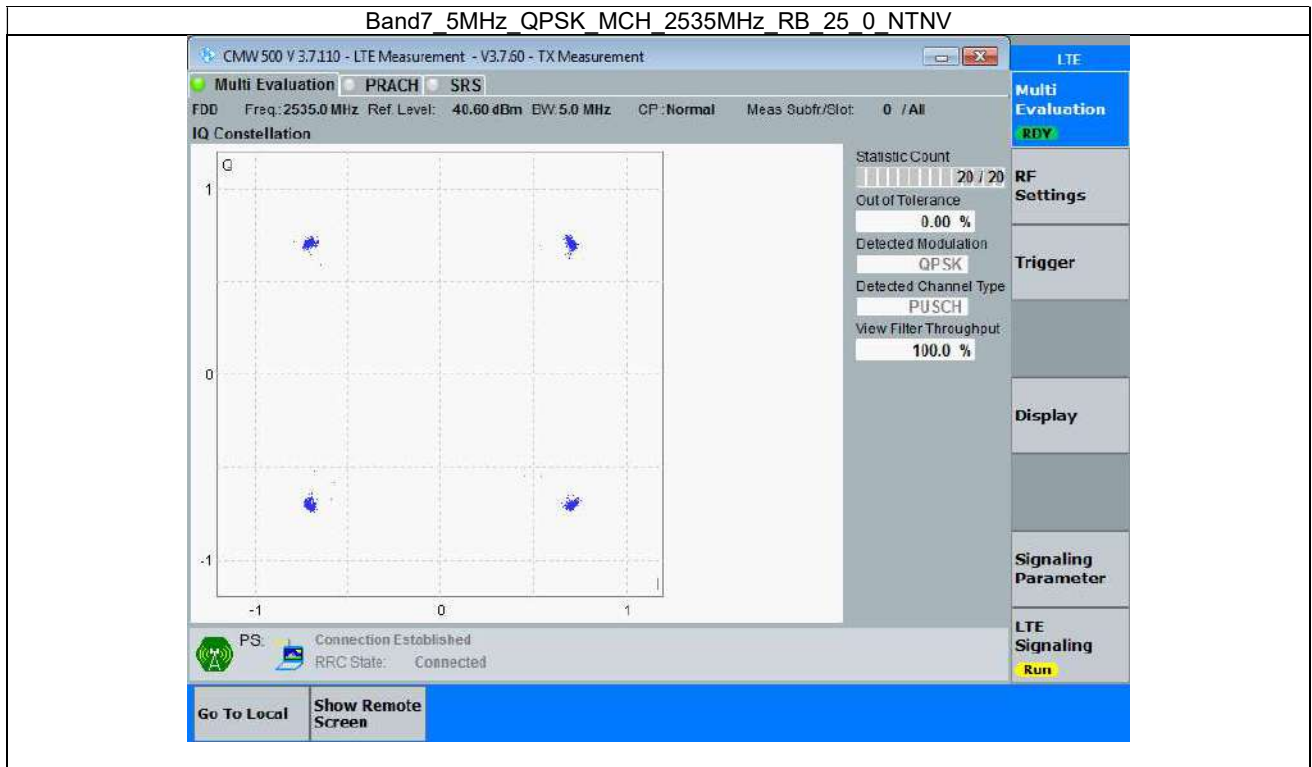
### 3. Modulation Characteristics

#### 3.1 B7\_5MHz

##### 3.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	25	0	Refer To Test Graph		Pass
16QAM	2535	25	0	Refer To Test Graph		Pass

##### 3.1.2 Test Graph

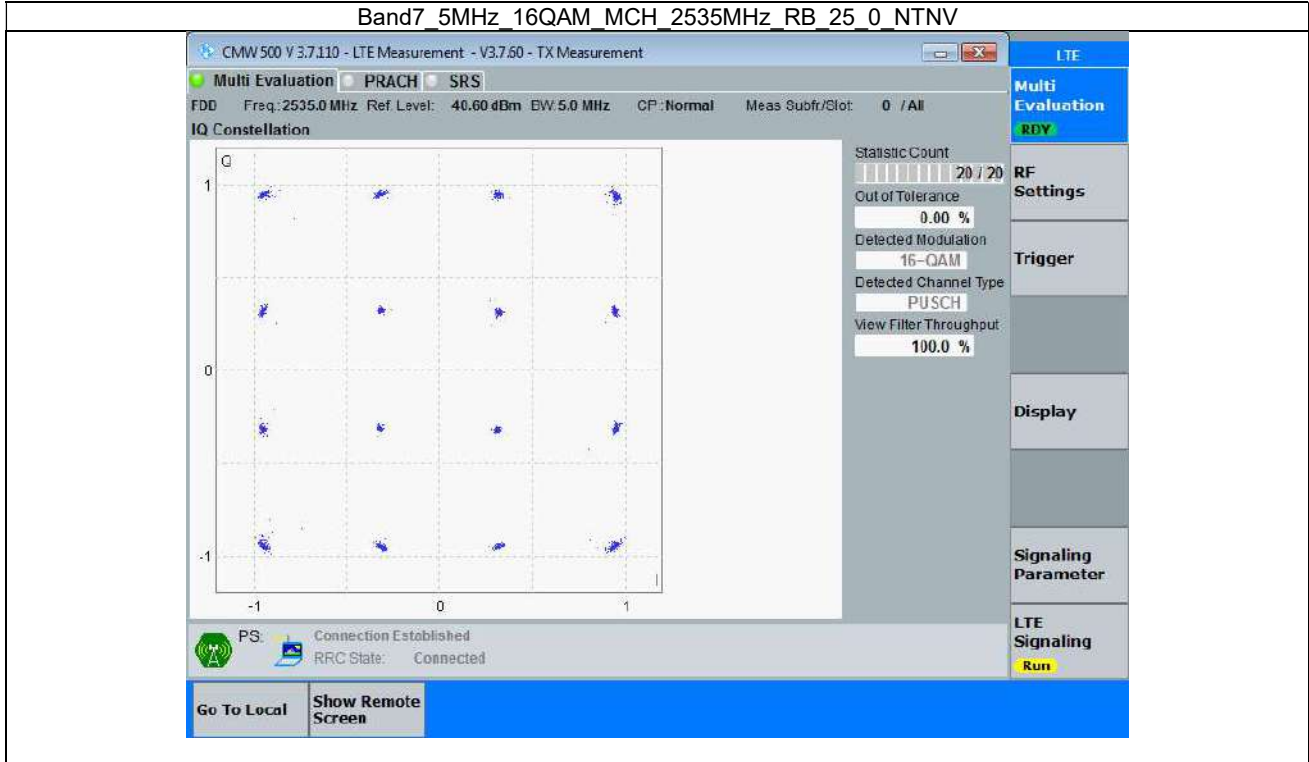


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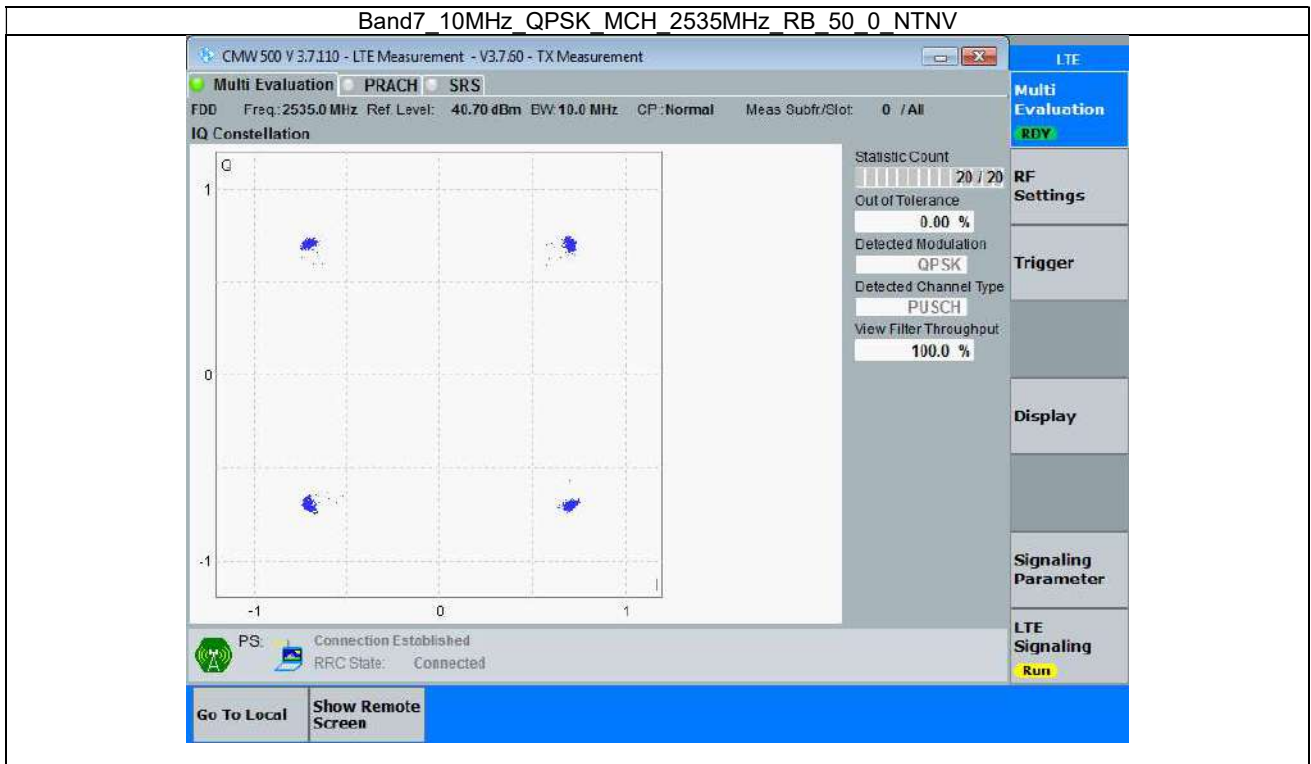
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### 3.2 B7\_10MHz

#### 3.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	50	0	Refer To Test Graph		Pass
16QAM	2535	50	0	Refer To Test Graph		Pass

#### 3.2.2 Test Graph

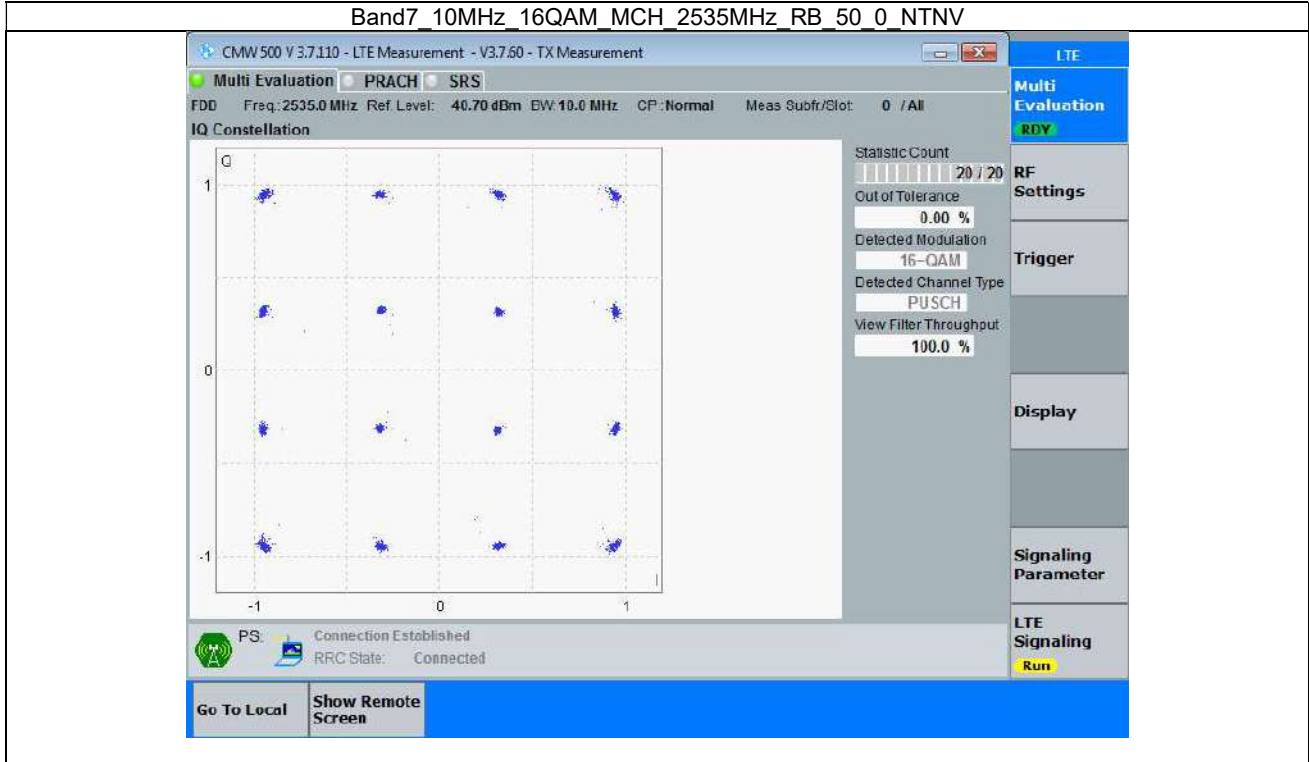


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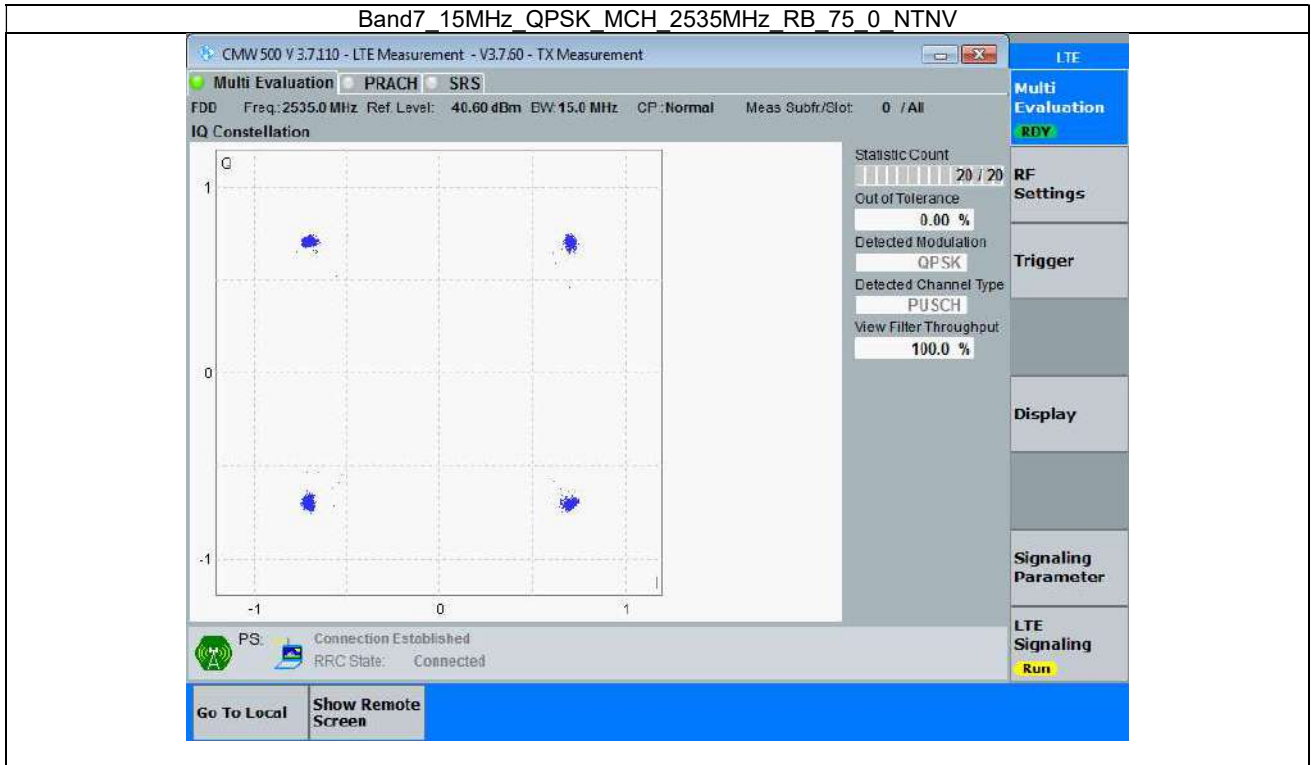


### 3.3 B7\_15MHz

#### 3.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	75	0	Refer To Test Graph		Pass
16QAM	2535	75	0	Refer To Test Graph		Pass

#### 3.3.2 Test Graph

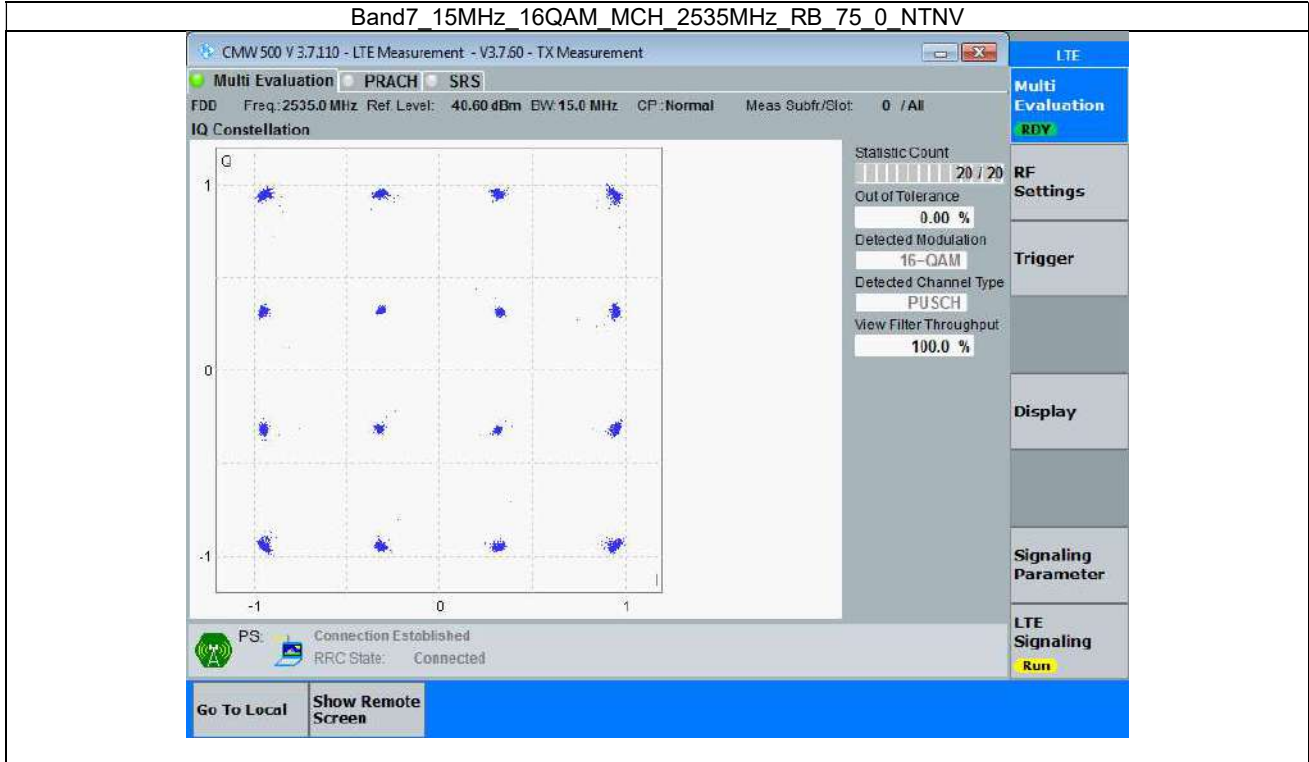


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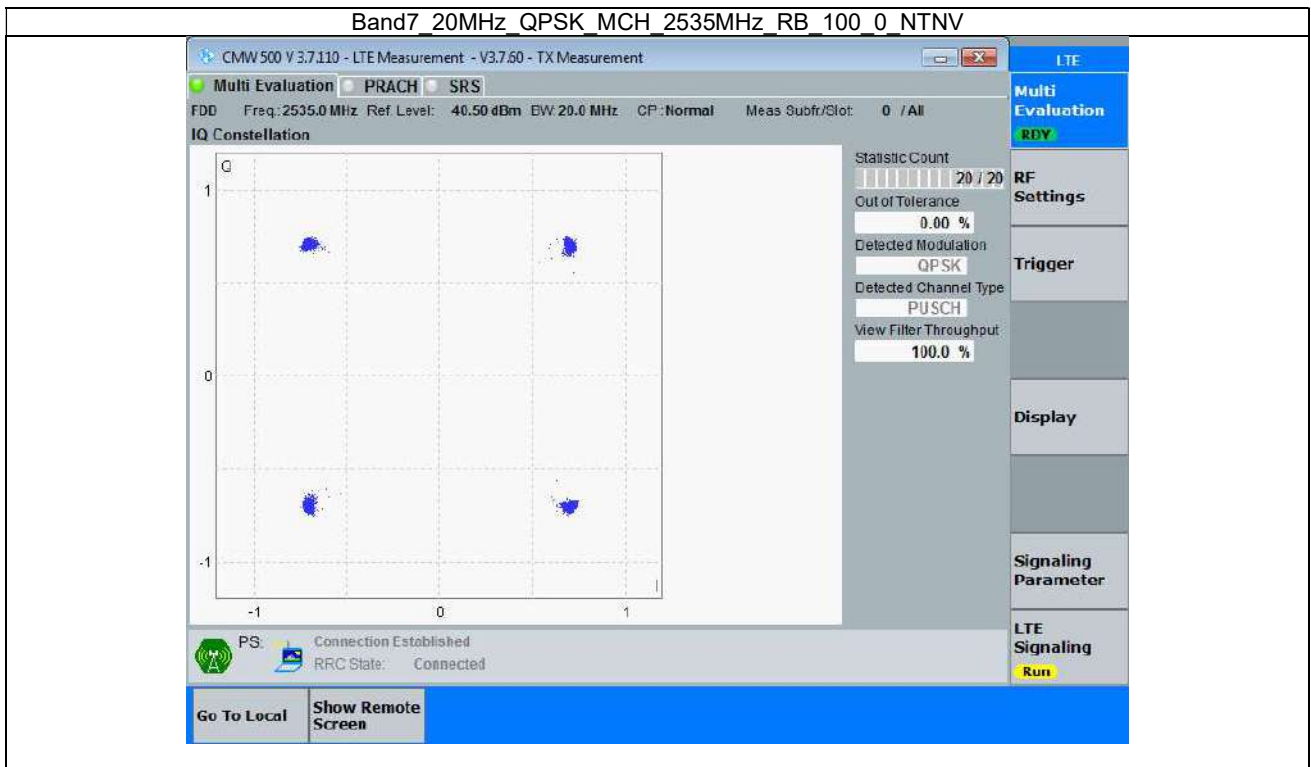
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### 3.4 B7\_20MHz

#### 3.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Modulation Characteristics		Verdict
		Size	Offset	Result	Limit	
QPSK	2535	100	0	Refer To Test Graph		Pass
16QAM	2535	100	0	Refer To Test Graph		Pass

#### 3.4.2 Test Graph

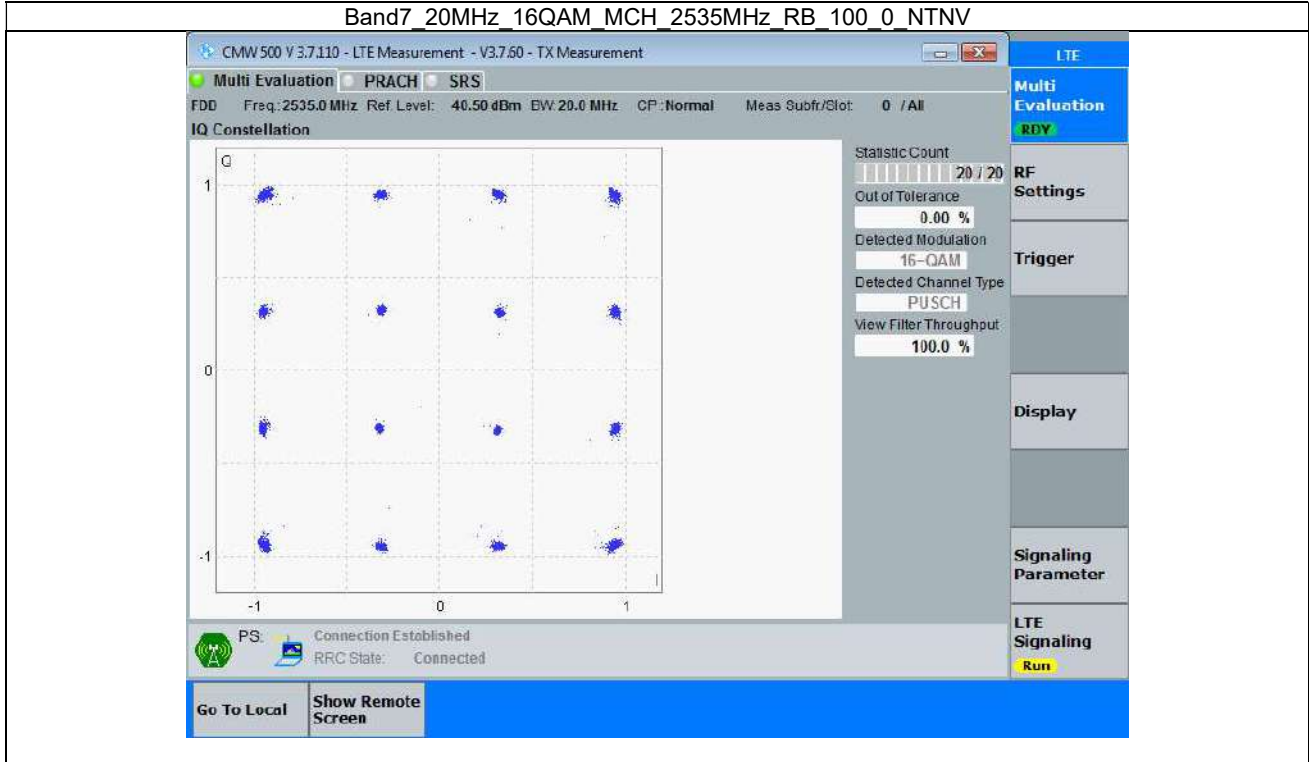


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## 4. 99% & 26dB Bandwidth

### 4.1 Band7\_OBW

#### 4.1.1 Test Result

Band: 7 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	4.552	Pass
		2535	25	0	4.552	Pass
		2567.5	25	0	4.553	Pass
	16QAM	2502.5	25	0	4.555	Pass
		2535	25	0	4.533	Pass
		2567.5	25	0	4.583	Pass
10	QPSK	2505	50	0	9.082	Pass
		2535	50	0	9.029	Pass
		2565	50	0	9.046	Pass
	16QAM	2505	50	0	9.047	Pass
		2535	50	0	9.048	Pass
		2565	50	0	9.045	Pass
15	QPSK	2507.5	75	0	13.594	Pass
		2535	75	0	13.582	Pass
		2562.5	75	0	13.603	Pass
	16QAM	2507.5	75	0	13.592	Pass
		2535	75	0	13.586	Pass
		2562.5	75	0	13.651	Pass
20	QPSK	2510	100	0	18.080	Pass
		2535	100	0	18.096	Pass
		2560	100	0	18.112	Pass
	16QAM	2510	100	0	18.149	Pass
		2535	100	0	18.120	Pass
		2560	100	0	18.064	Pass



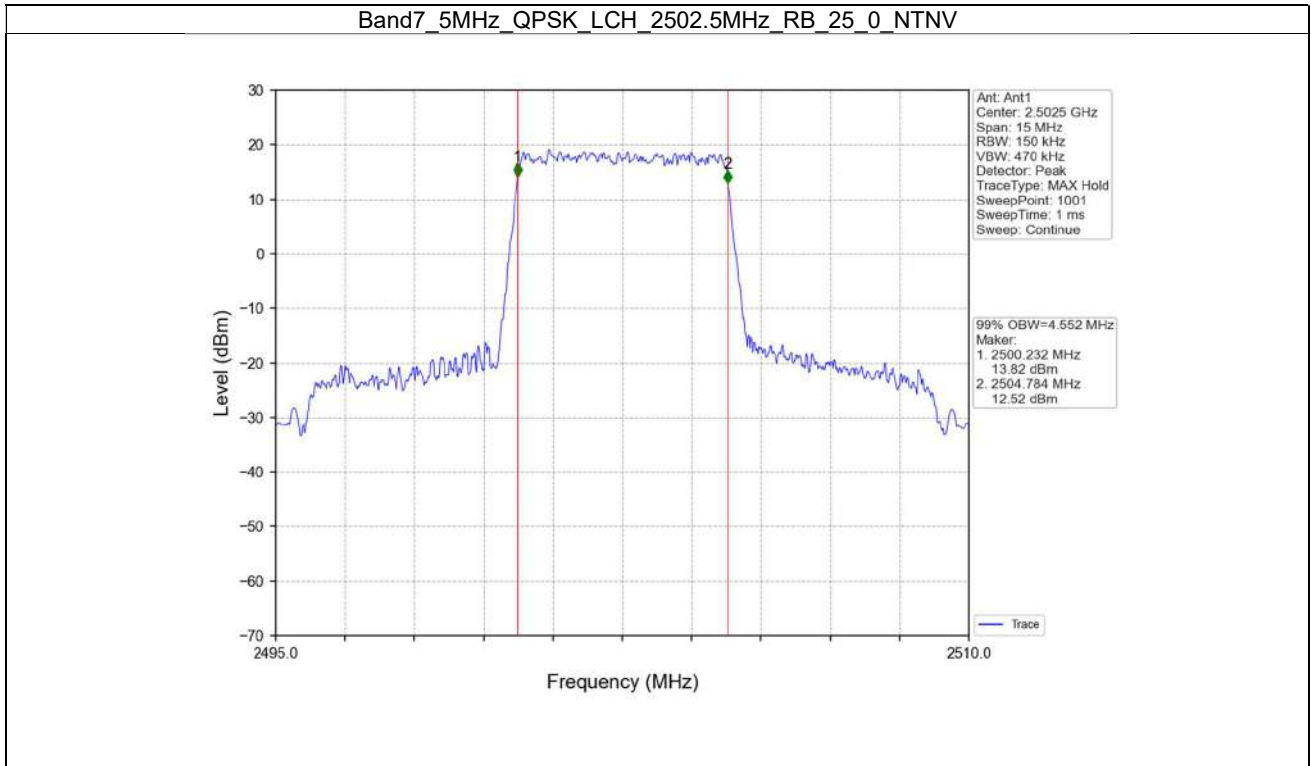
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### 4.1.2 Test Graph



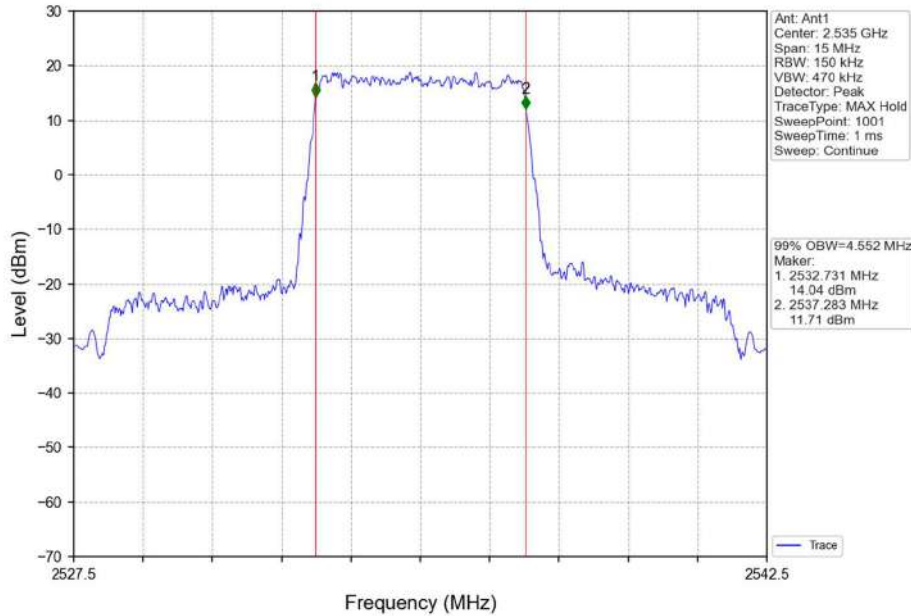
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Band7\_5MHz\_QPSK\_MCH\_2535MHz\_RB\_25\_0\_NTNV



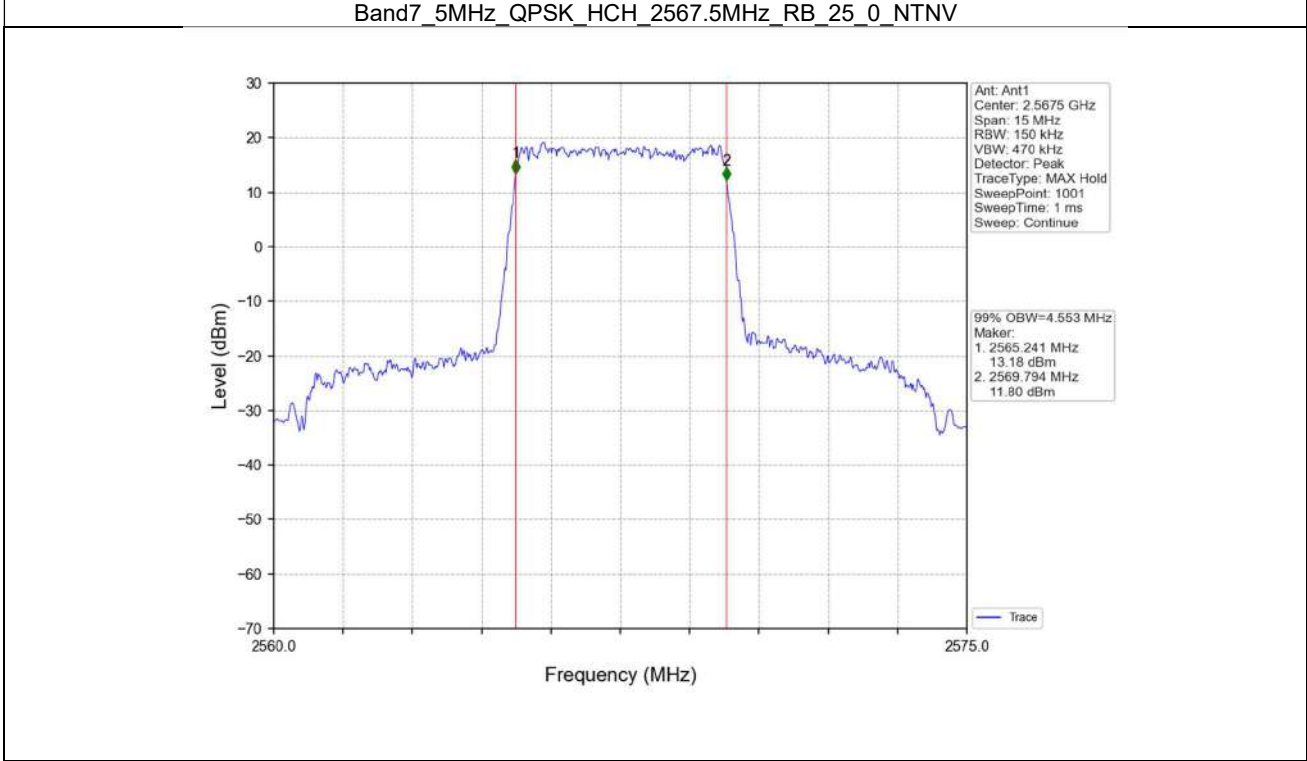
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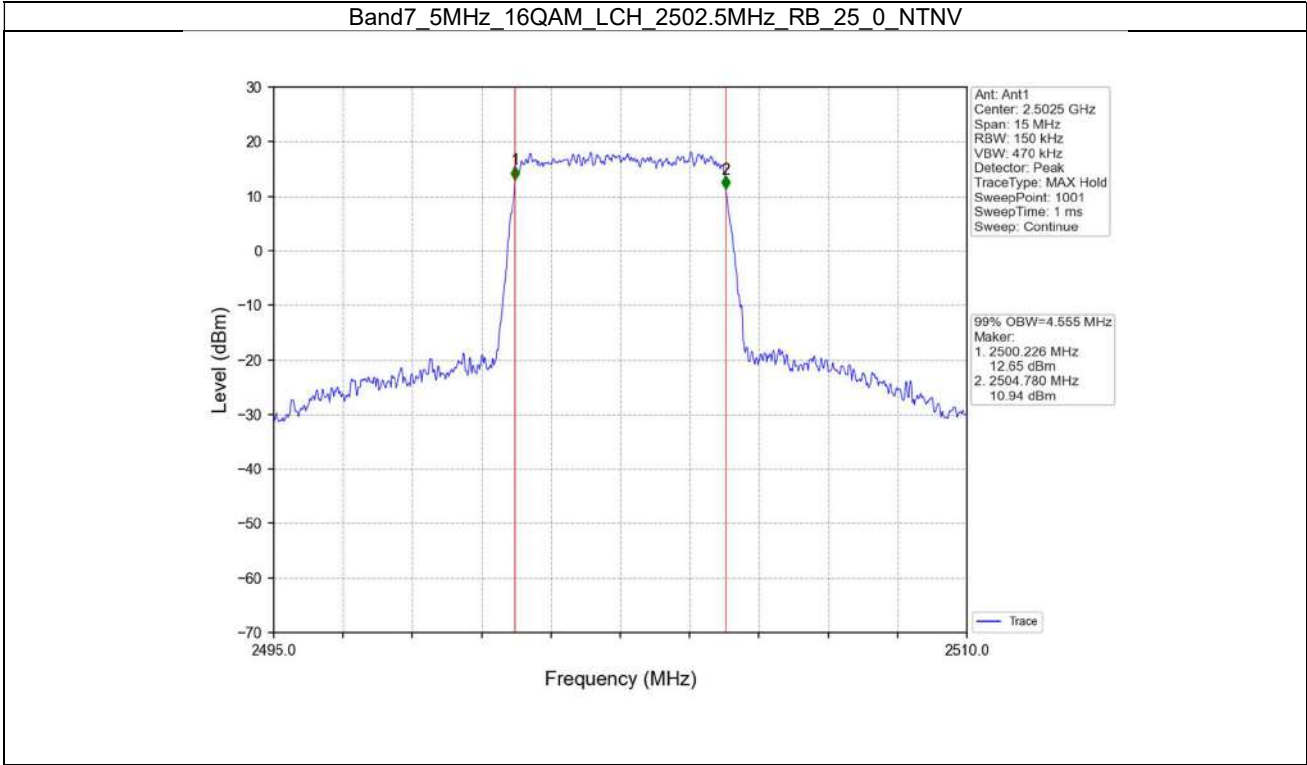
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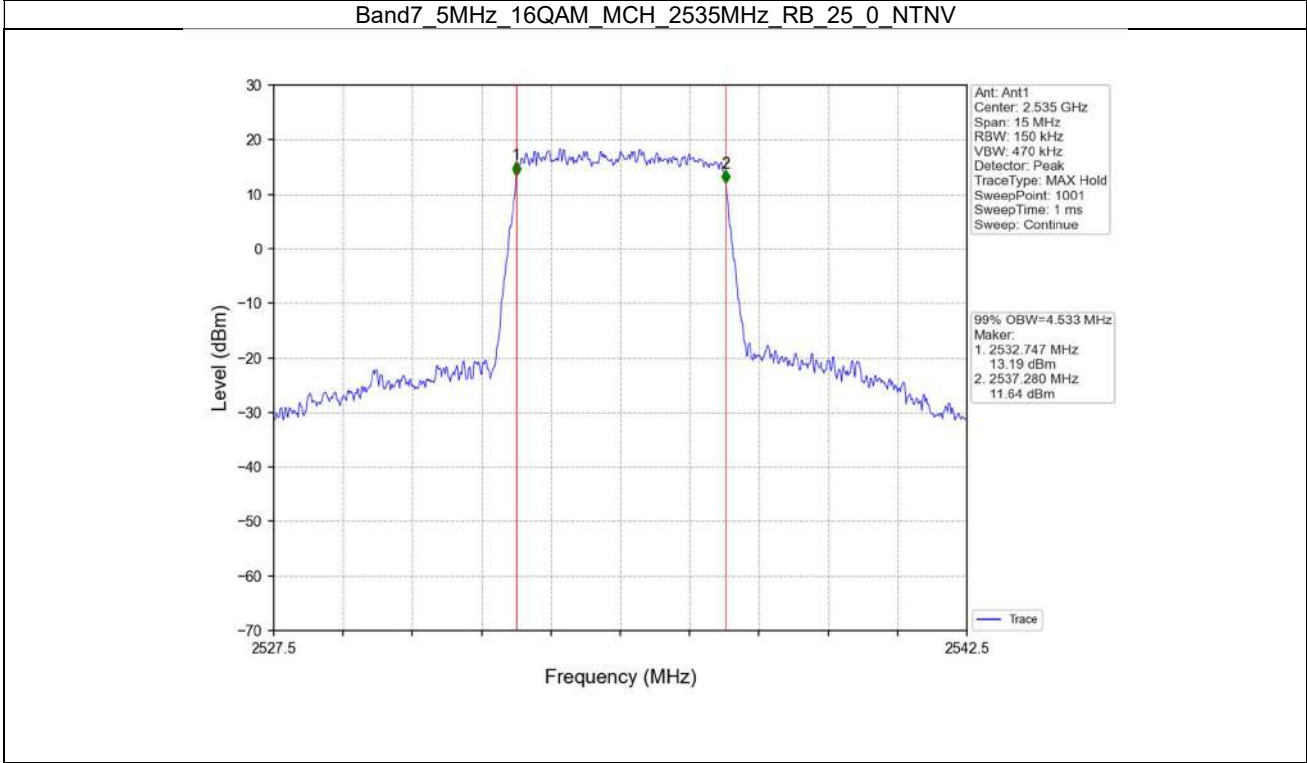
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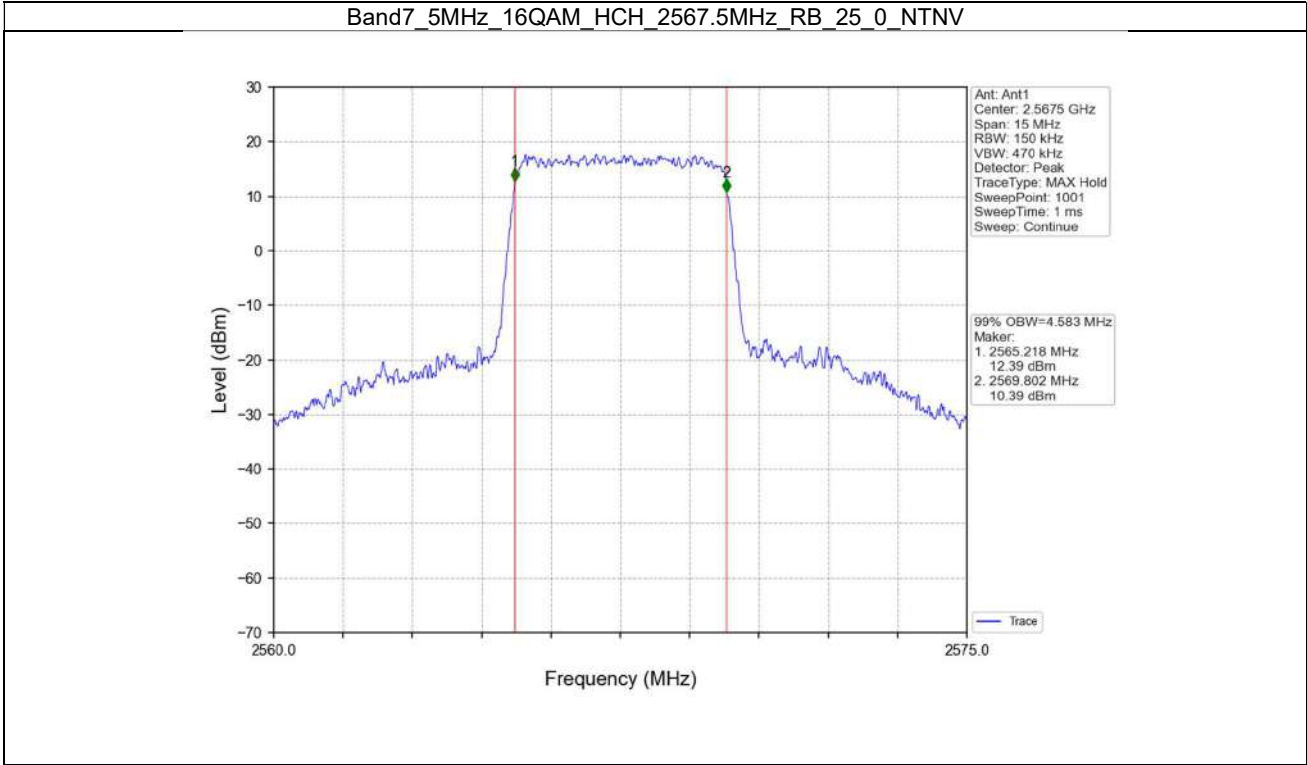
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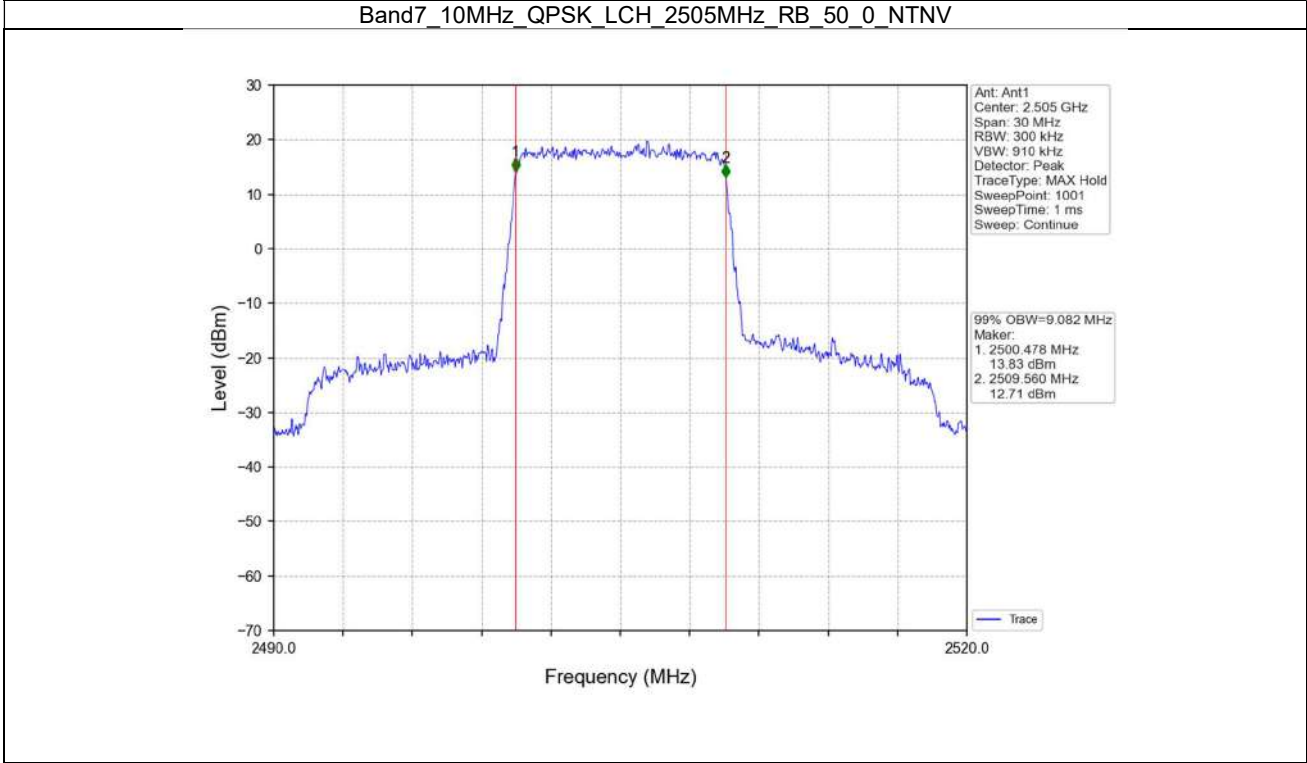
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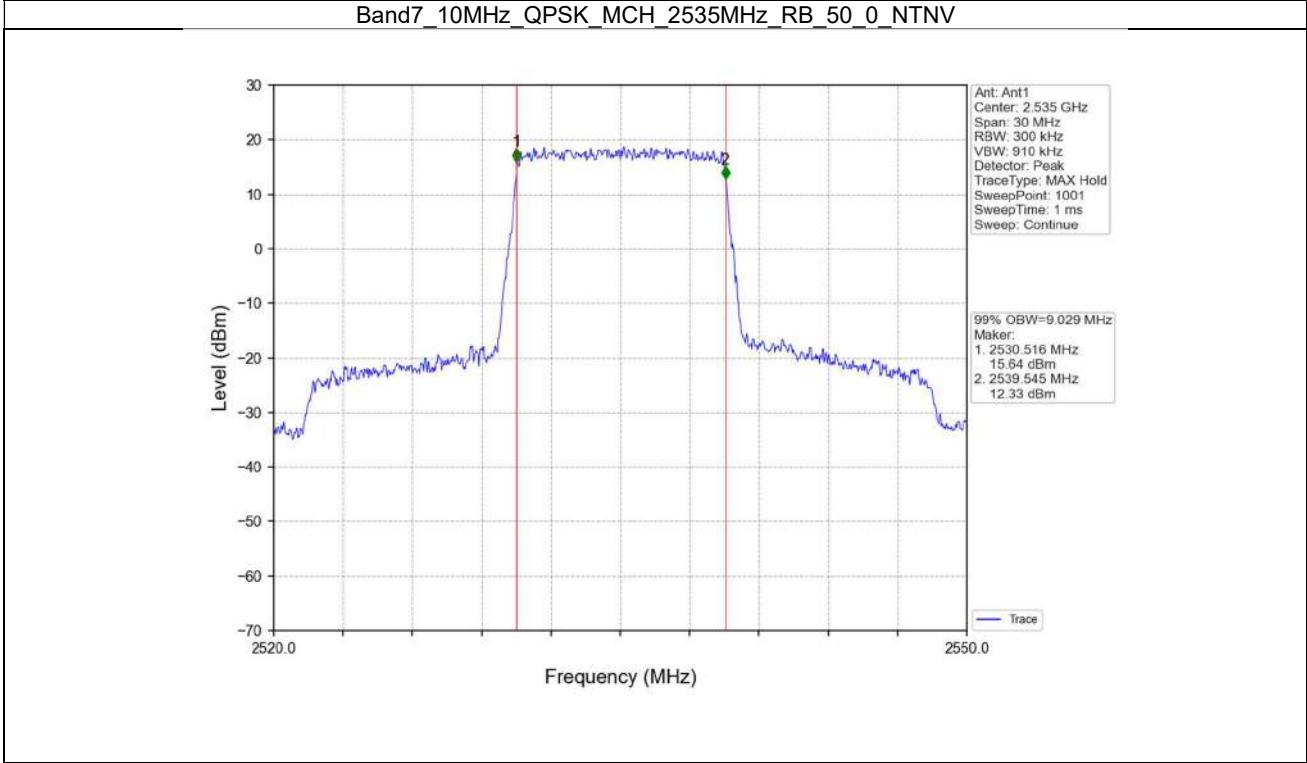


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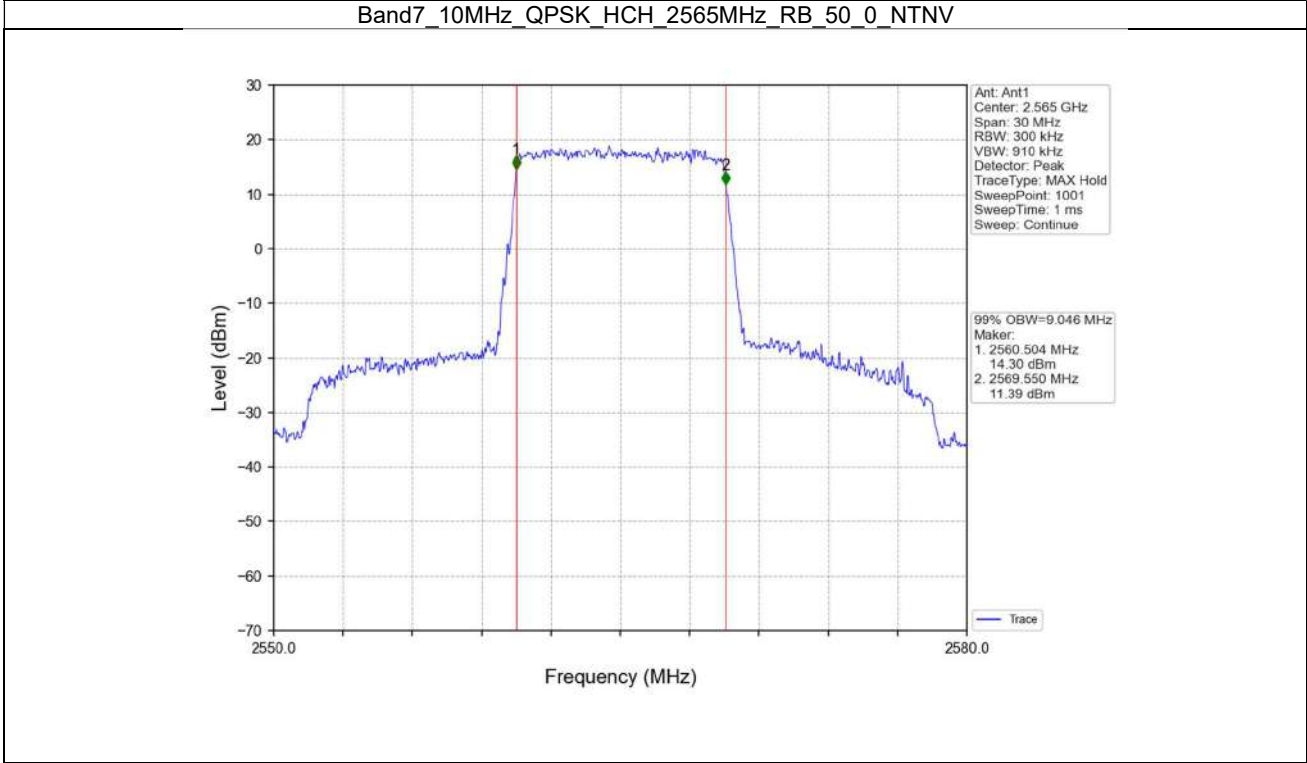
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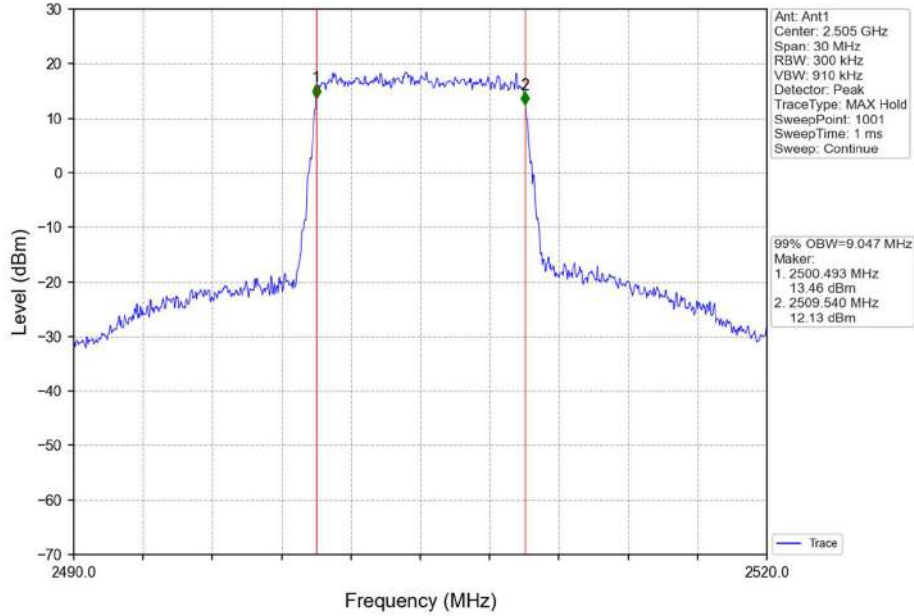
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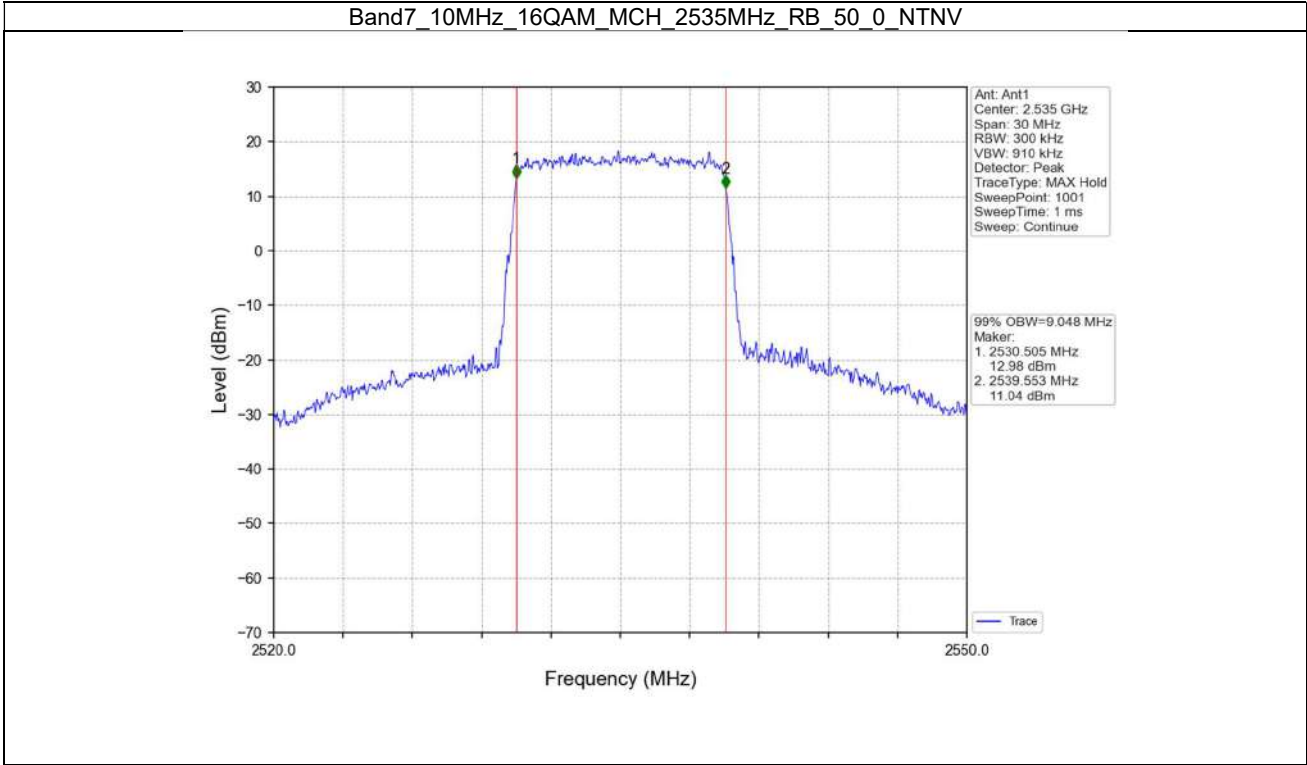
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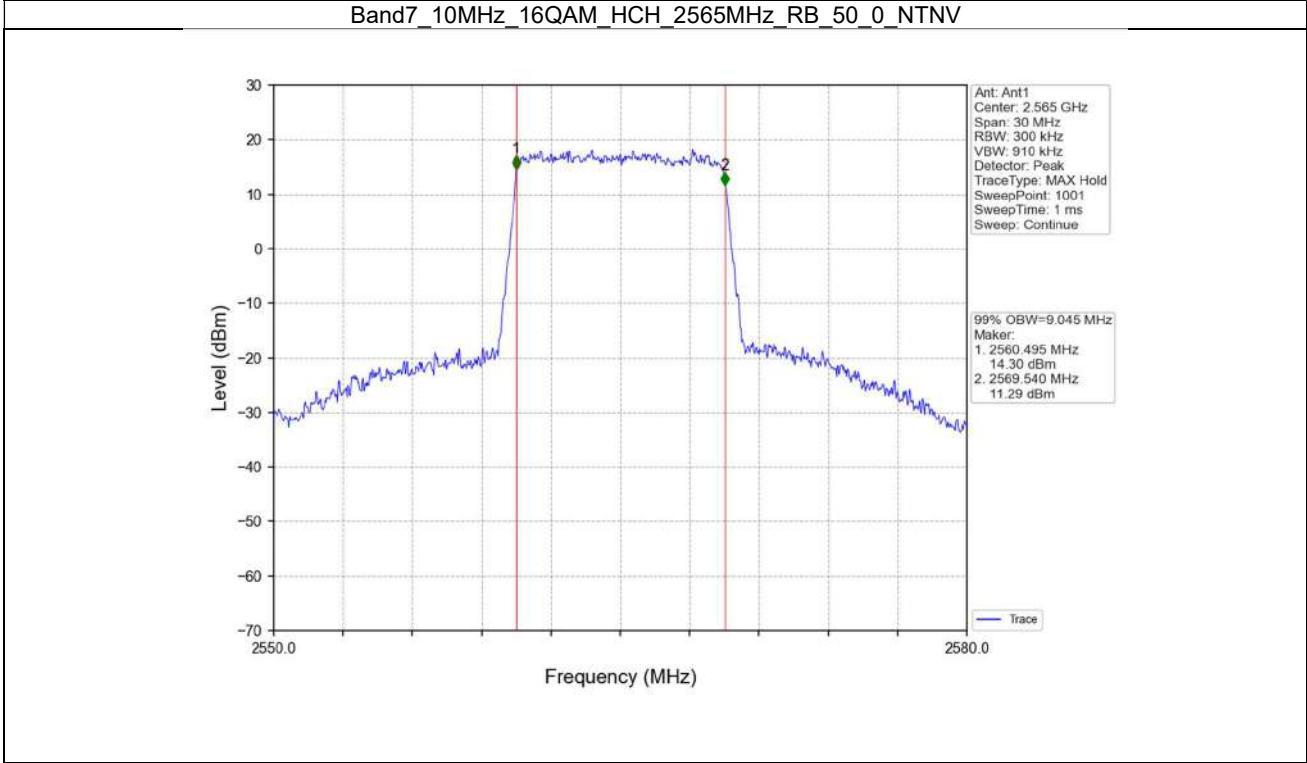
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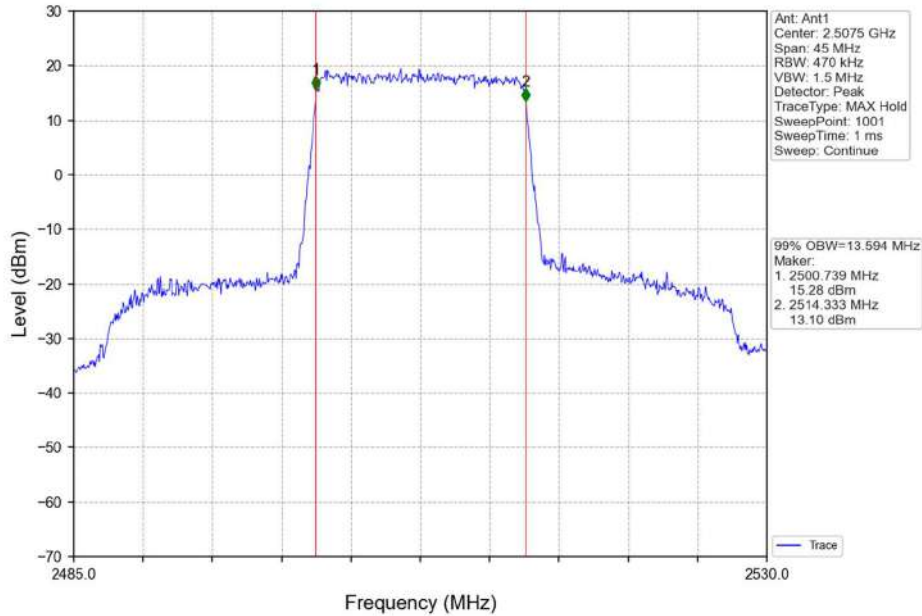
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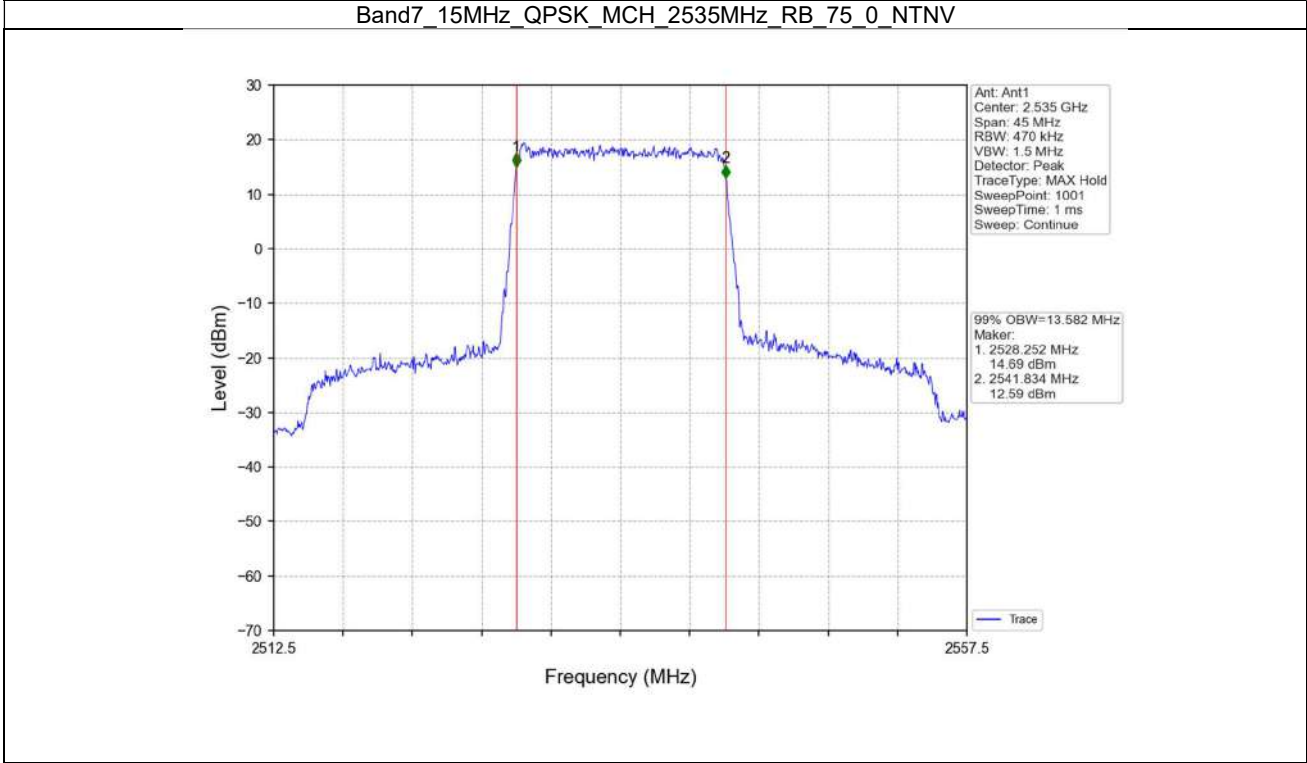


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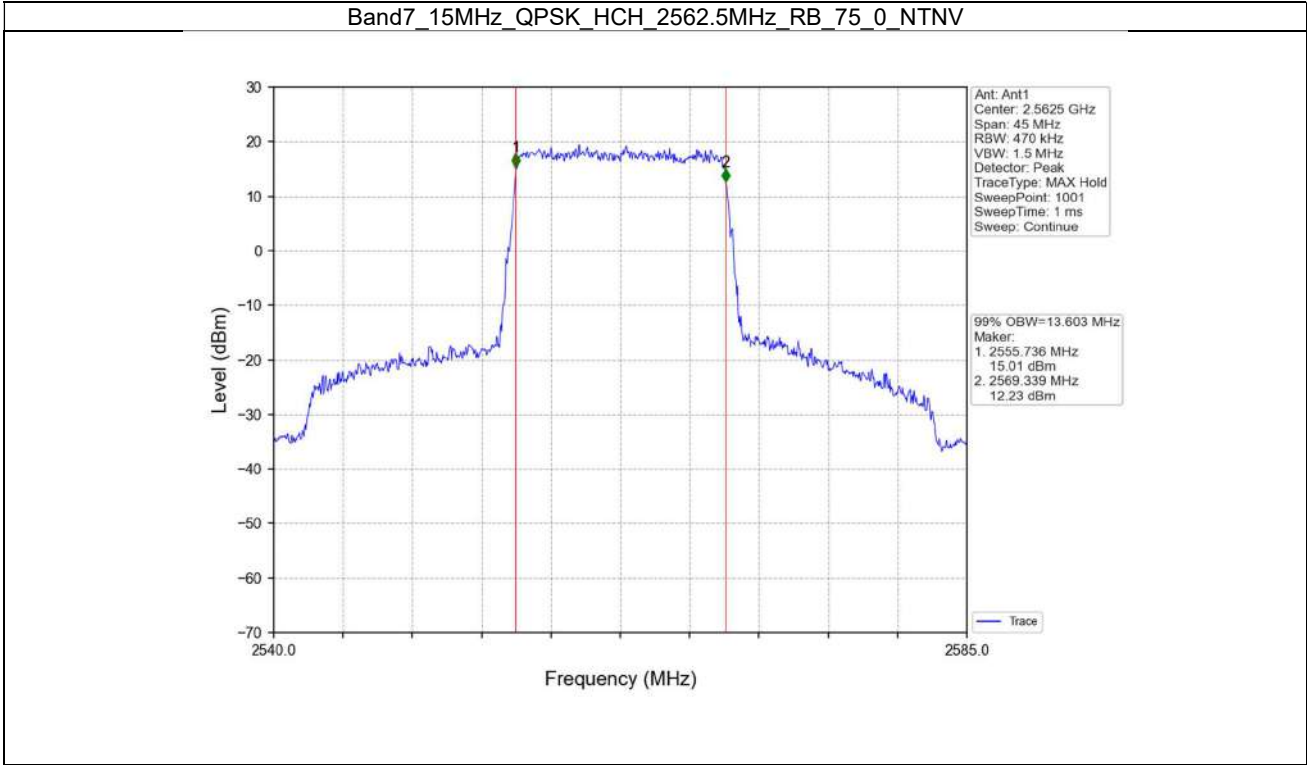


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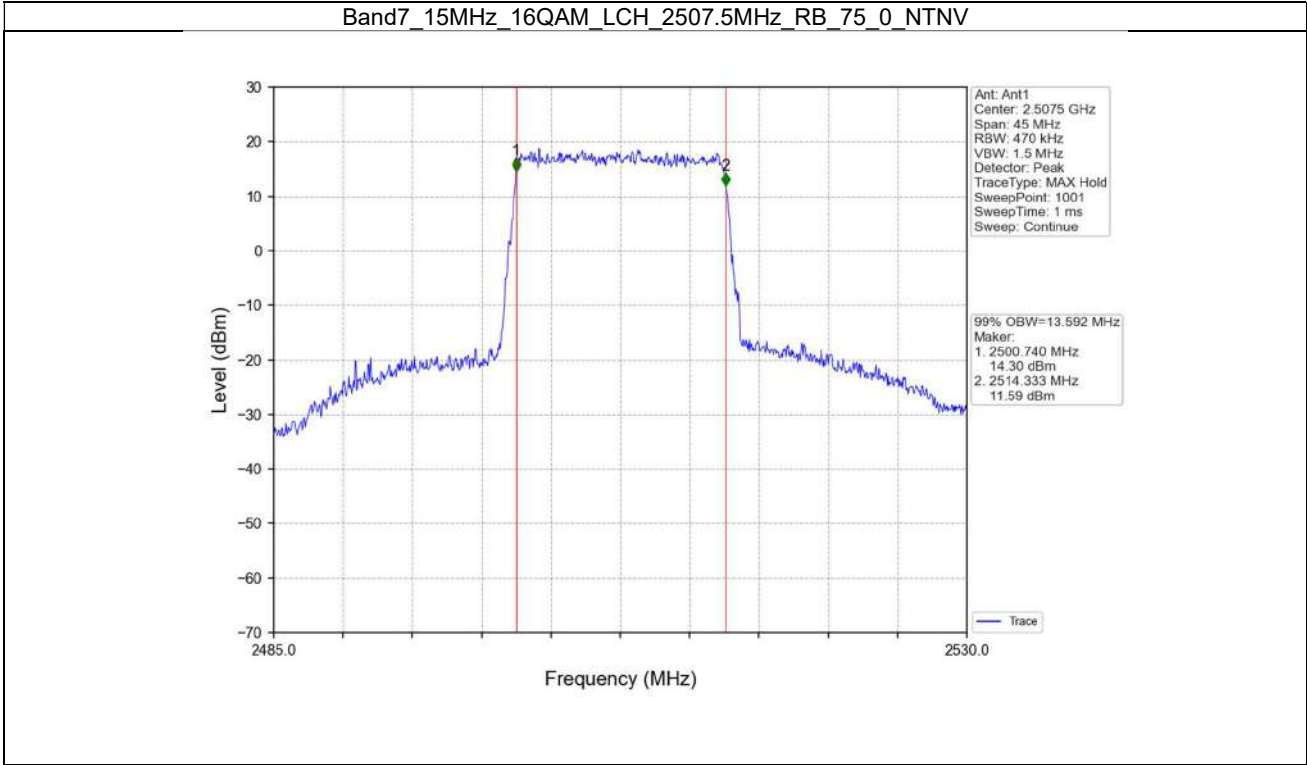


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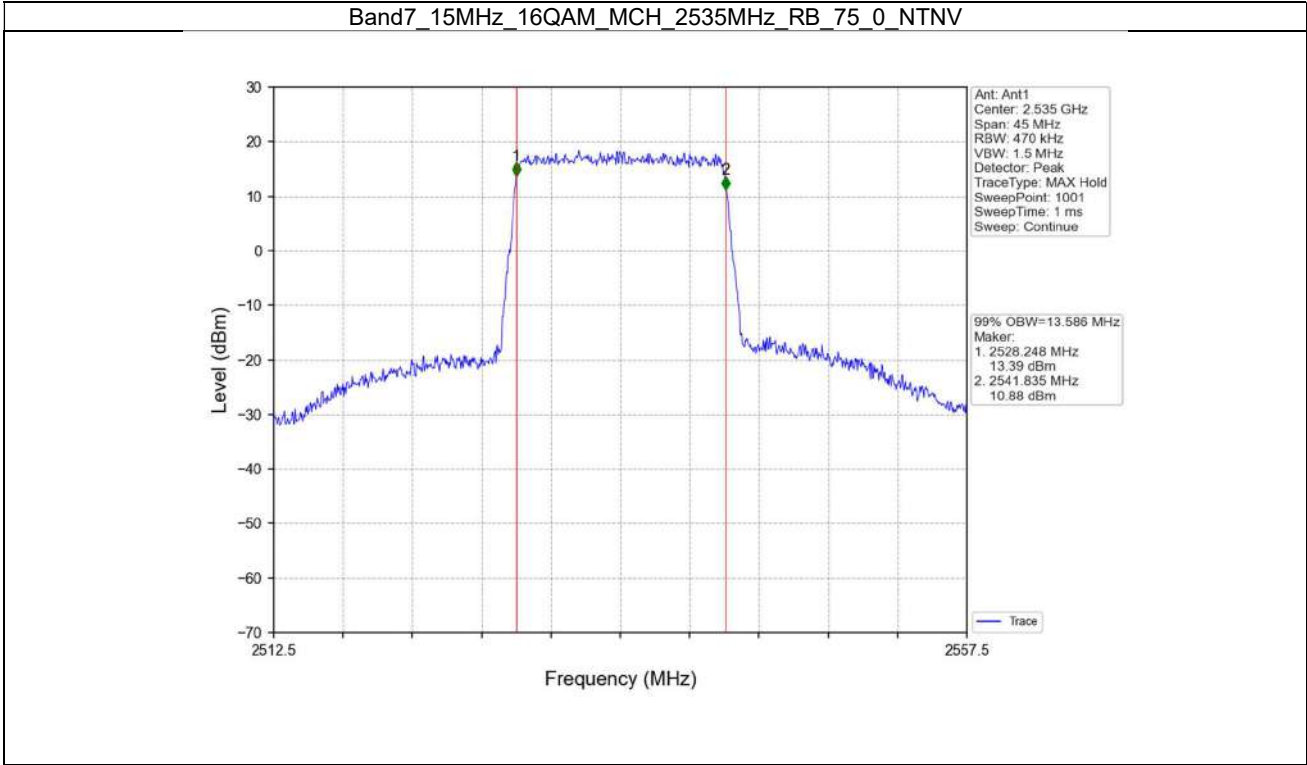


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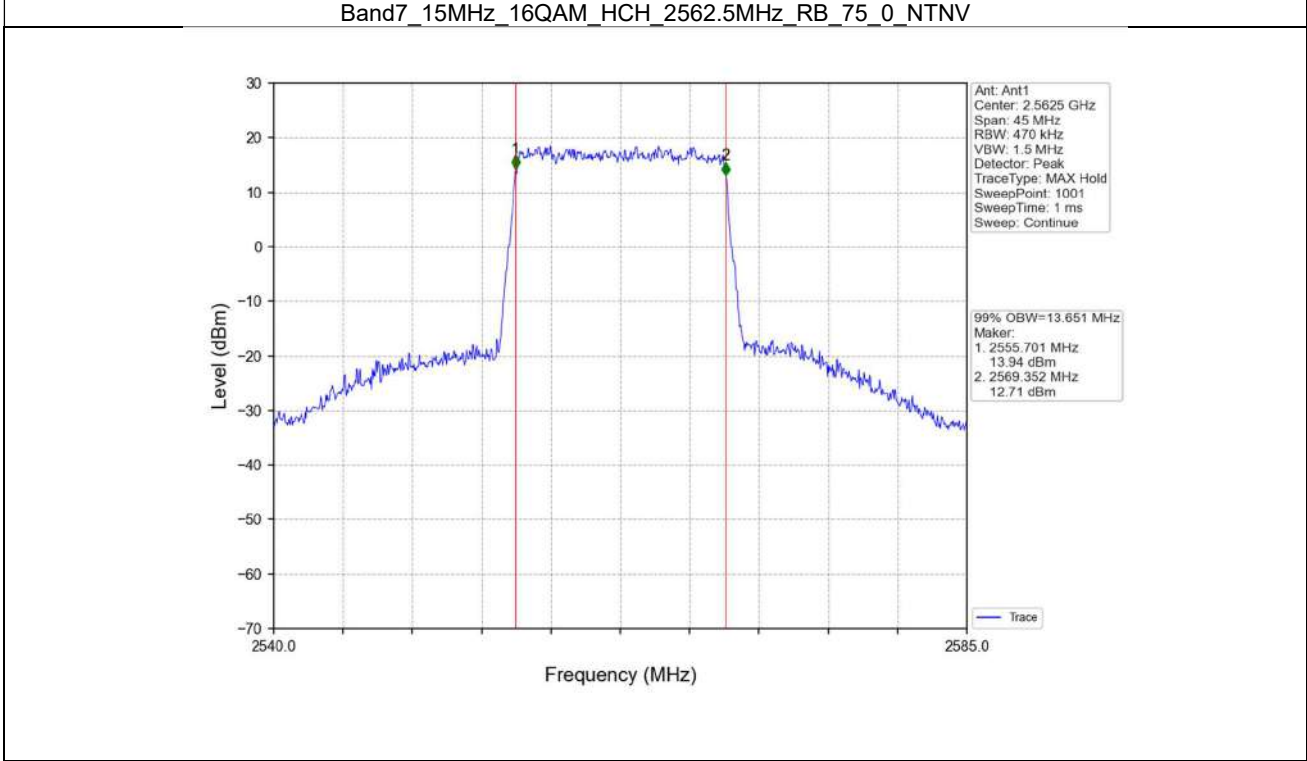
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Band7\_15MHz\_16QAM\_HCH\_2562.5MHz\_RB\_75\_0\_NTNV

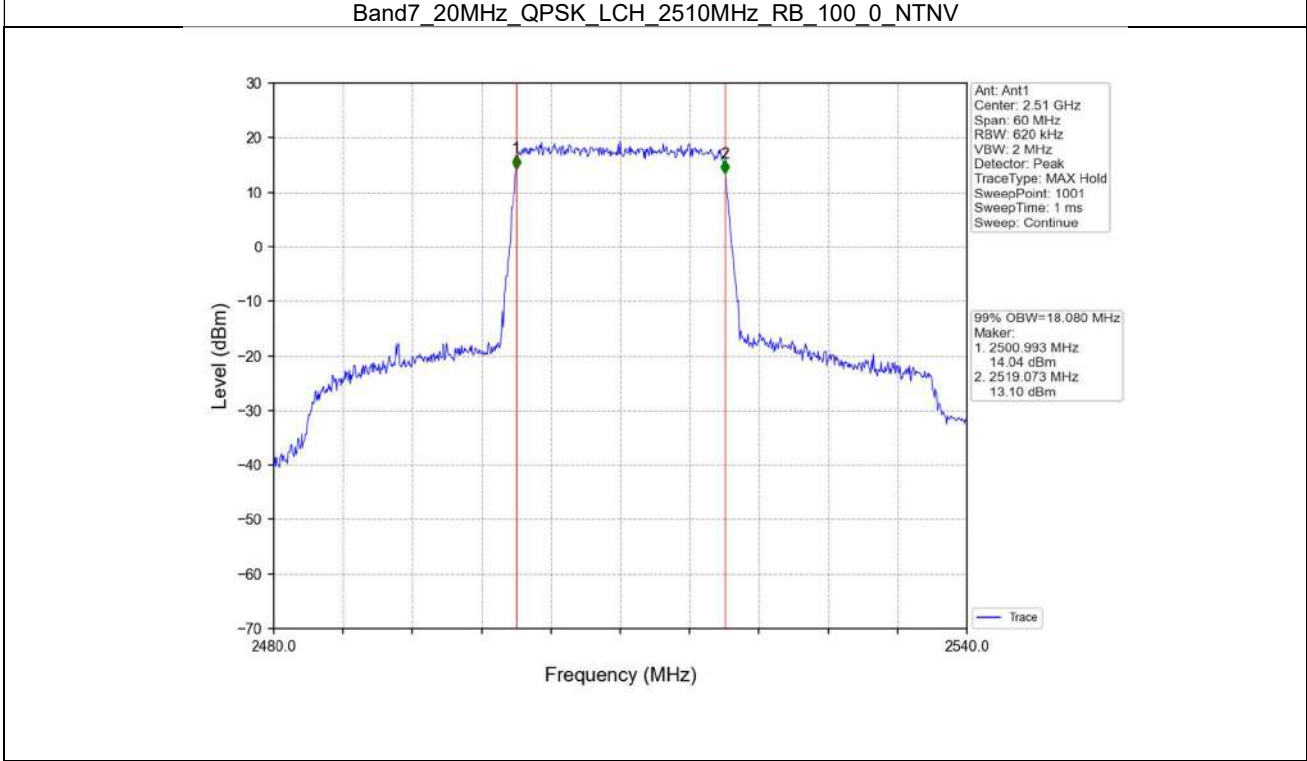


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Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV



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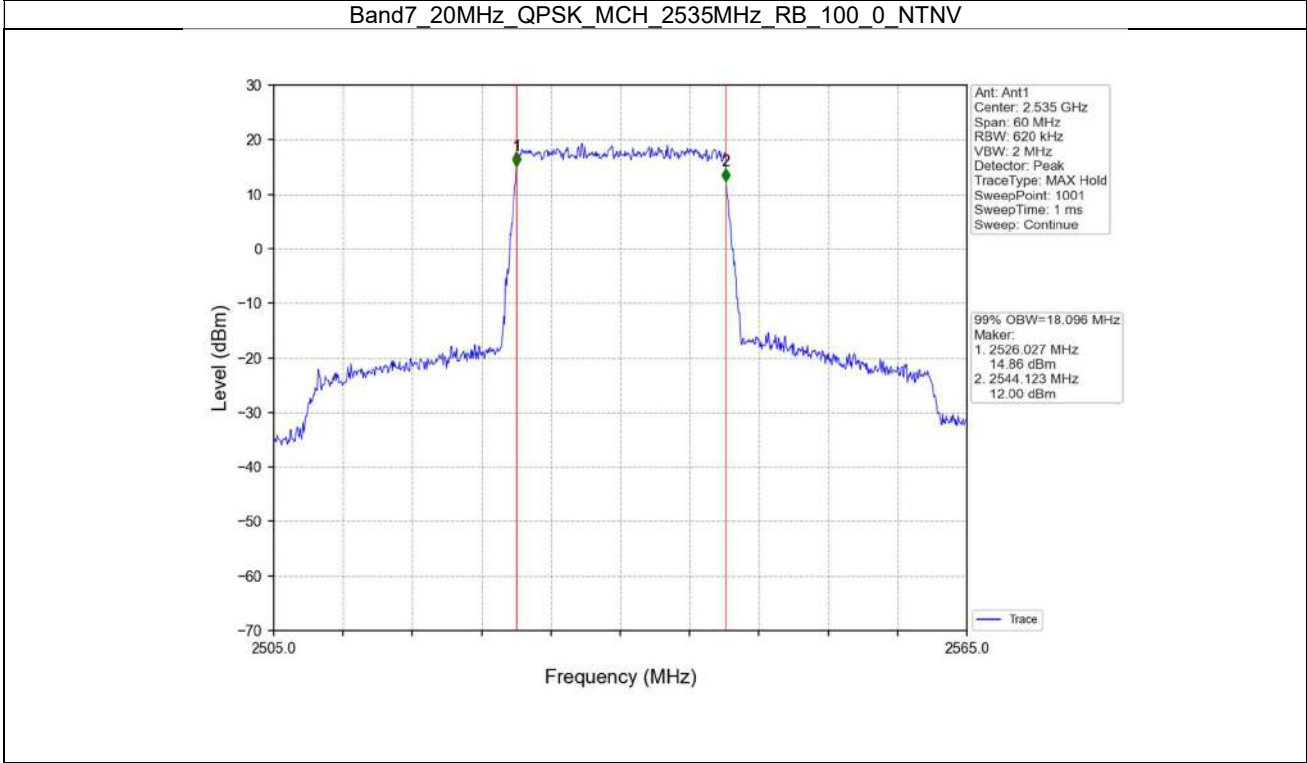
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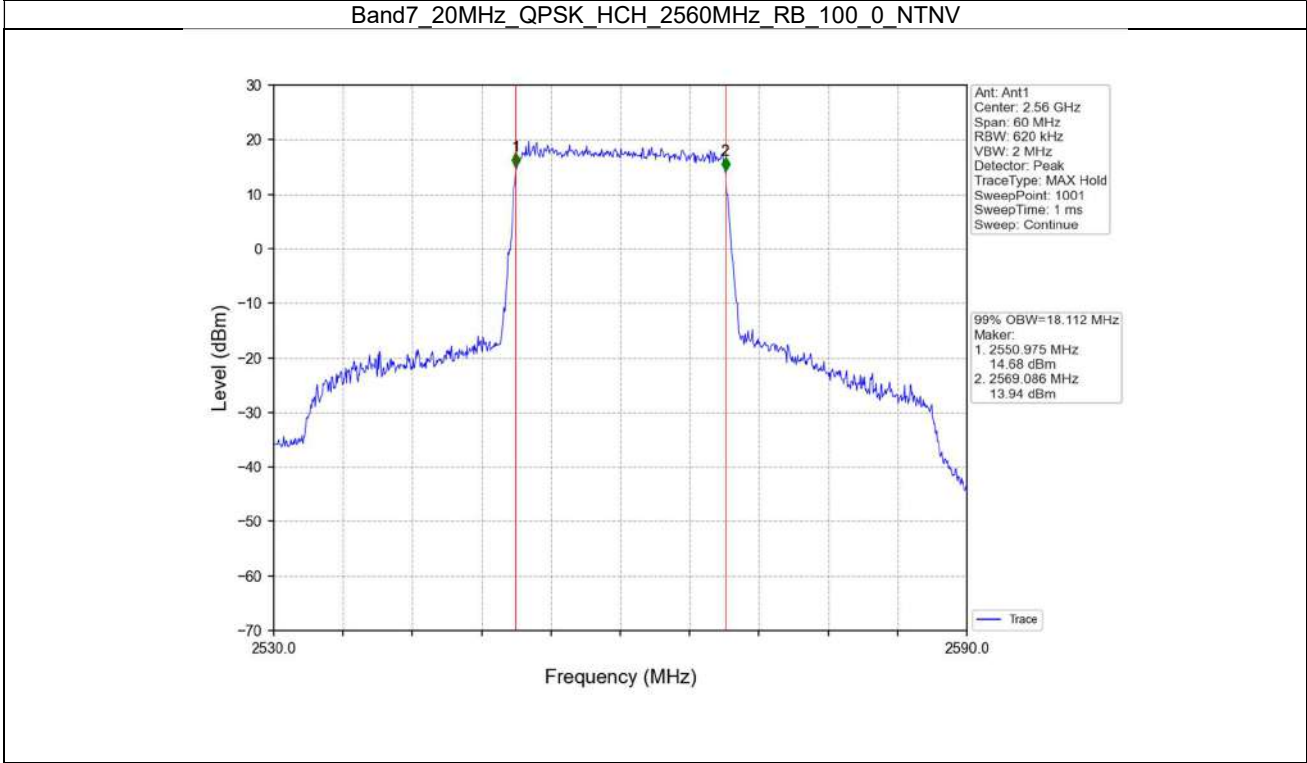


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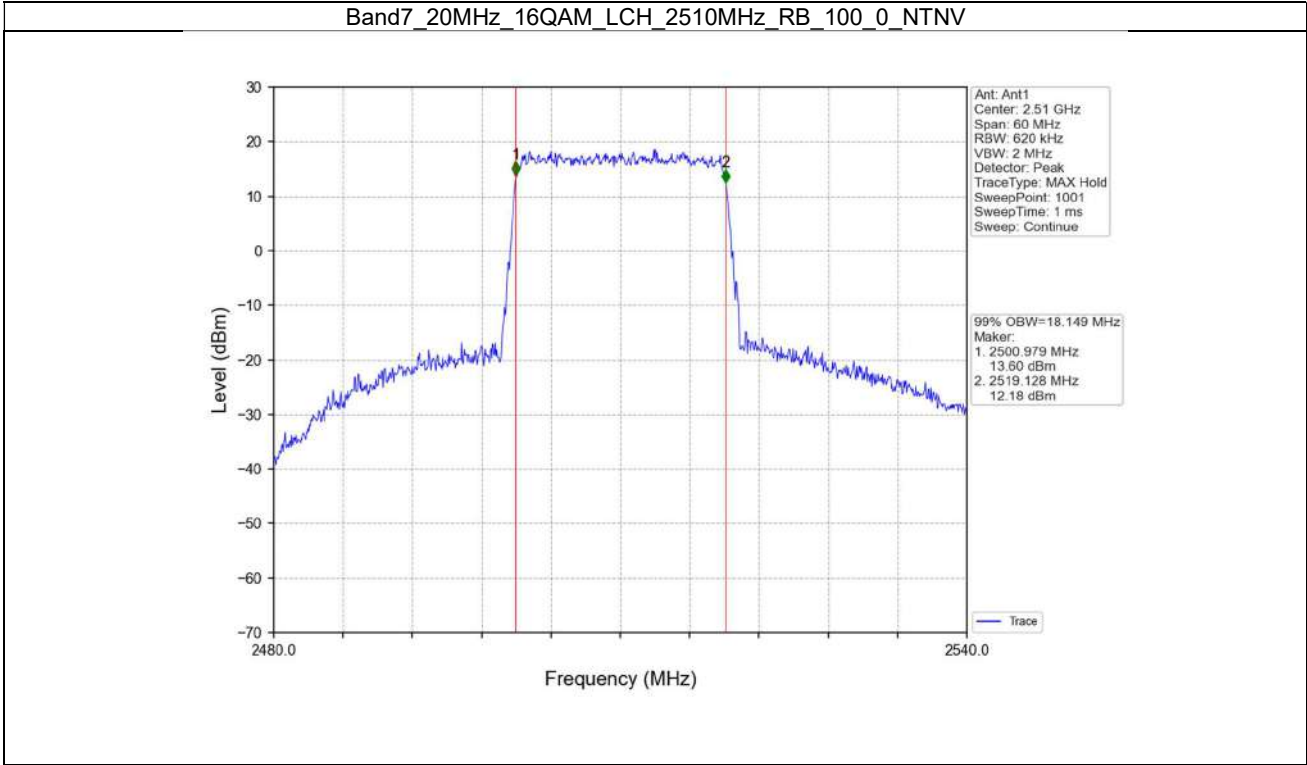
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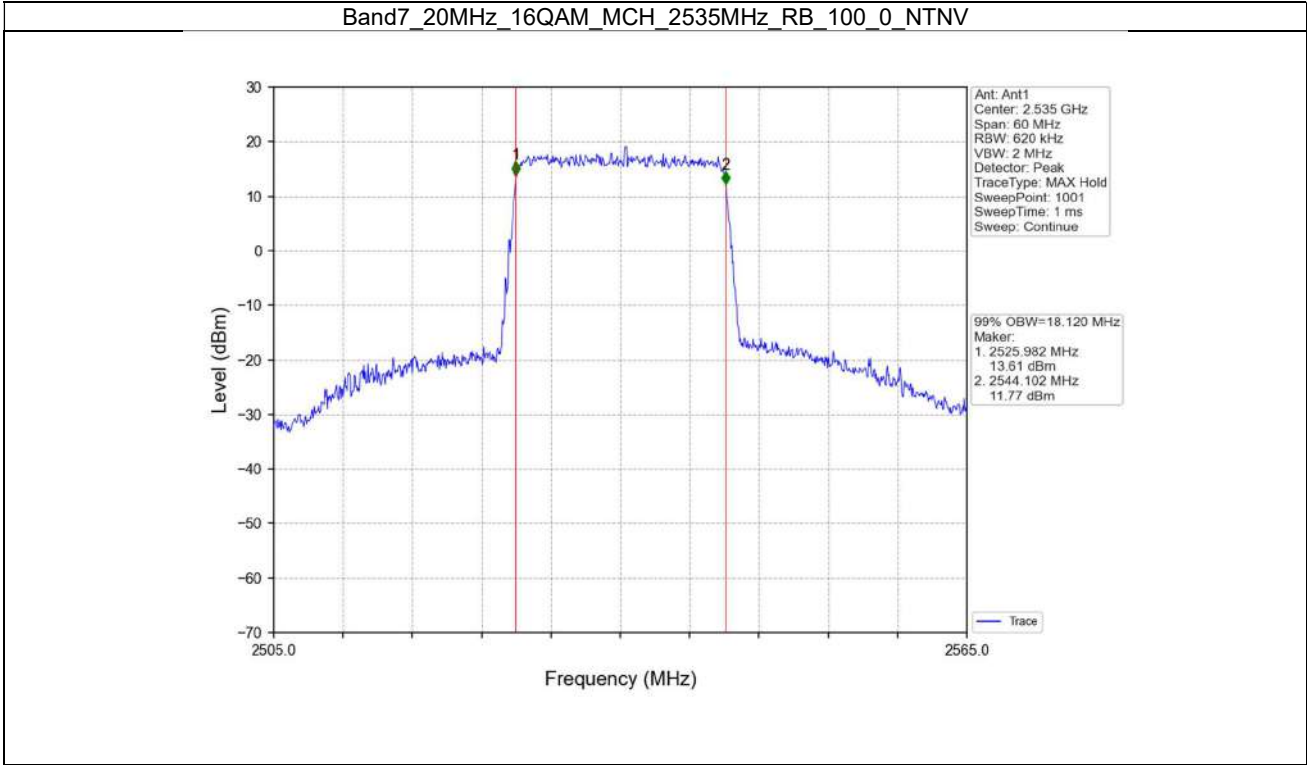
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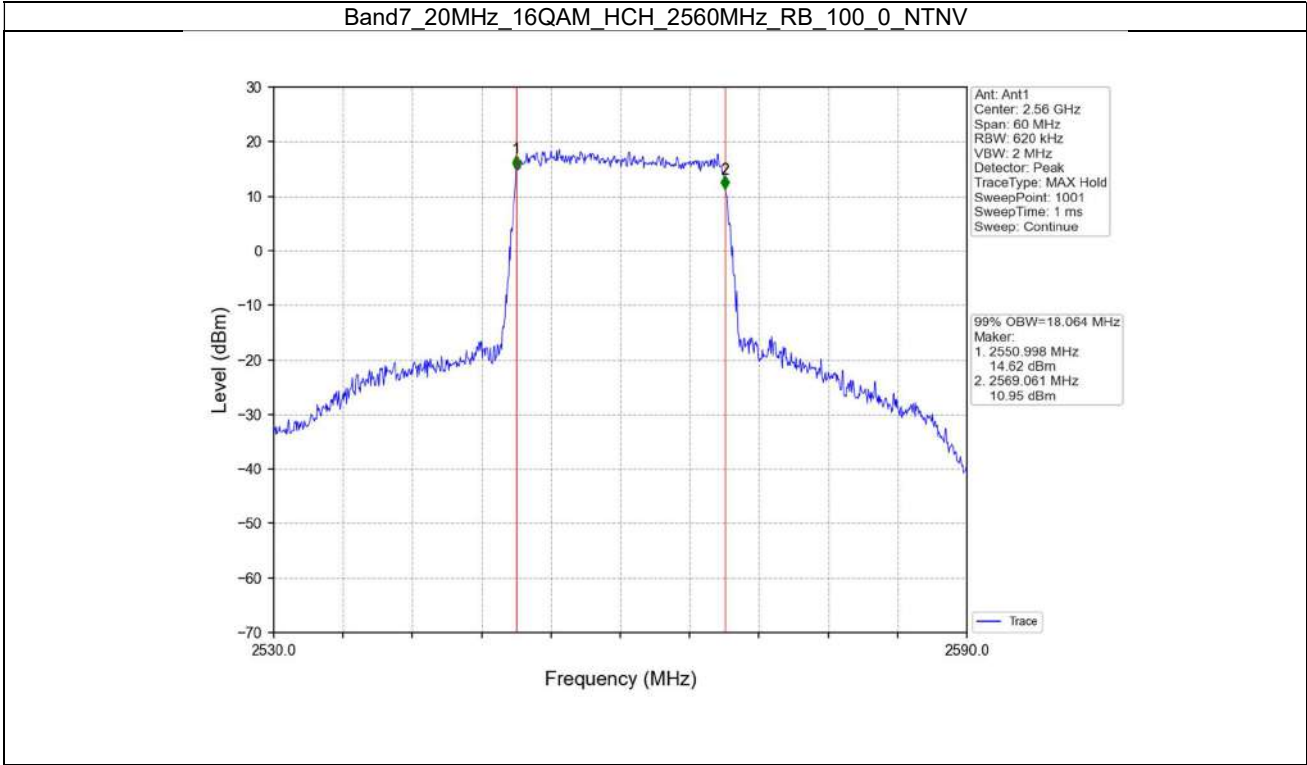


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## 4.2 Band7\_XDB

### 4.2.1 Test Result

Band: 7 / NTV						
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)	Verdict
			Size	Offset	Result	
5	QPSK	2502.5	25	0	5.070	Pass
		2535	25	0	5.112	Pass
		2567.5	25	0	5.114	Pass
	16QAM	2502.5	25	0	5.077	Pass
		2535	25	0	5.072	Pass
		2567.5	25	0	5.109	Pass
10	QPSK	2505	50	0	10.033	Pass
		2535	50	0	10.105	Pass
		2565	50	0	10.123	Pass
	16QAM	2505	50	0	9.961	Pass
		2535	50	0	10.010	Pass
		2565	50	0	9.981	Pass
15	QPSK	2507.5	75	0	15.052	Pass
		2535	75	0	14.954	Pass
		2562.5	75	0	15.075	Pass
	16QAM	2507.5	75	0	15.023	Pass
		2535	75	0	15.052	Pass
		2562.5	75	0	15.021	Pass
20	QPSK	2510	100	0	19.925	Pass
		2535	100	0	20.011	Pass
		2560	100	0	19.729	Pass
	16QAM	2510	100	0	19.965	Pass
		2535	100	0	19.917	Pass
		2560	100	0	19.750	Pass



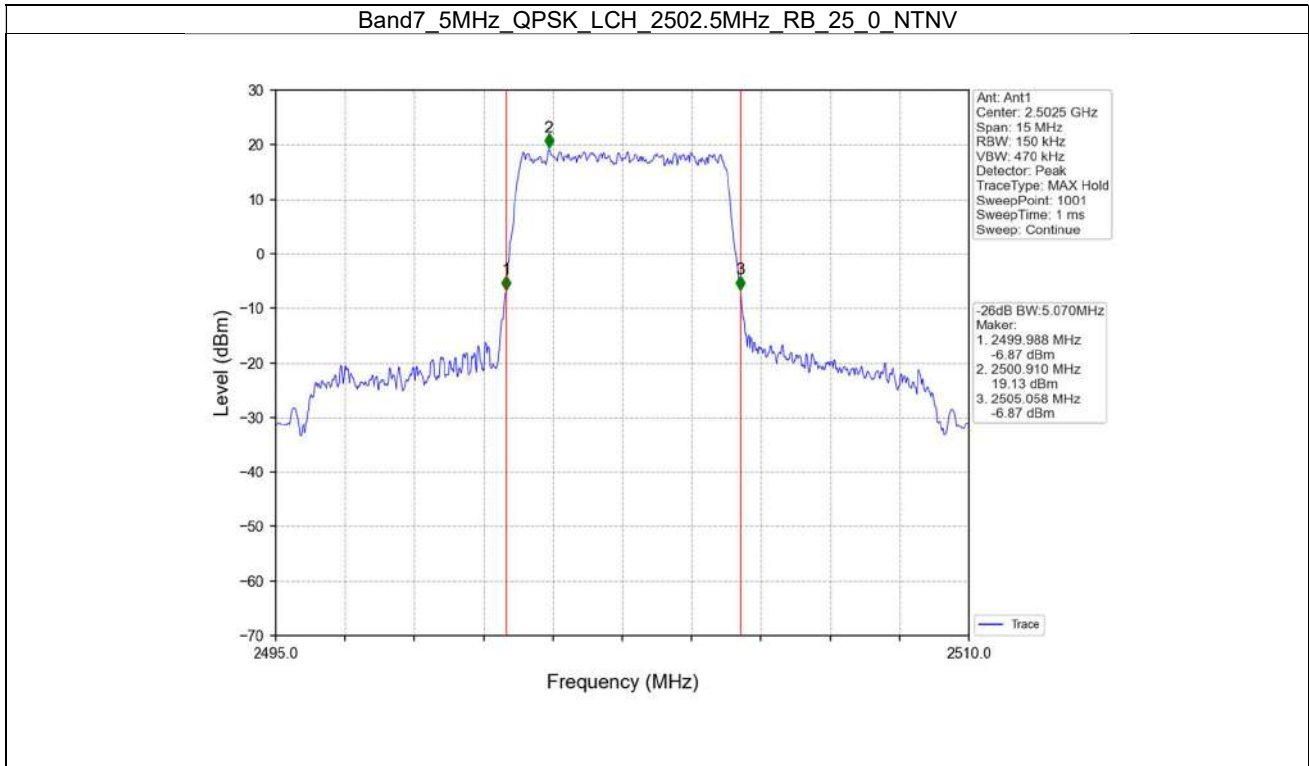
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### 4.2.2 Test Graph

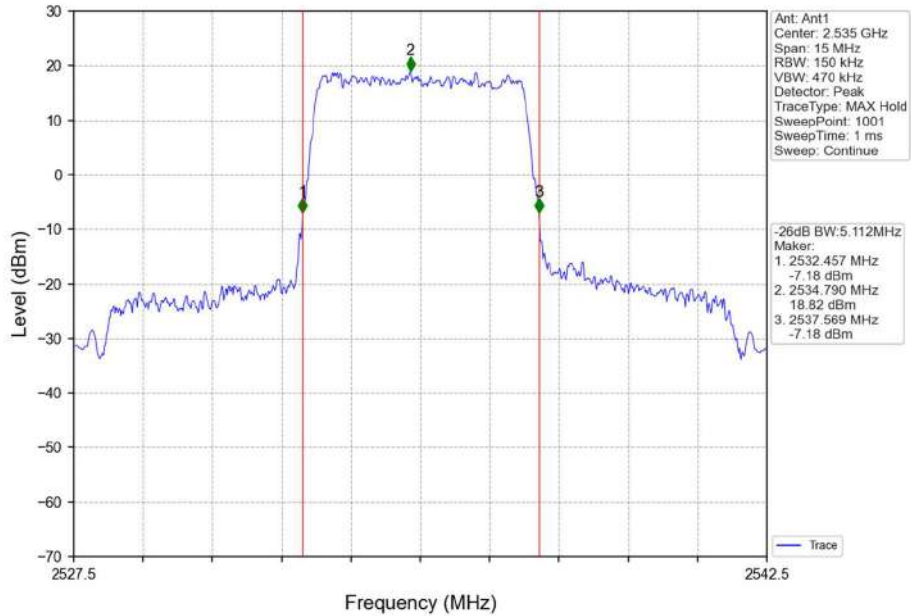


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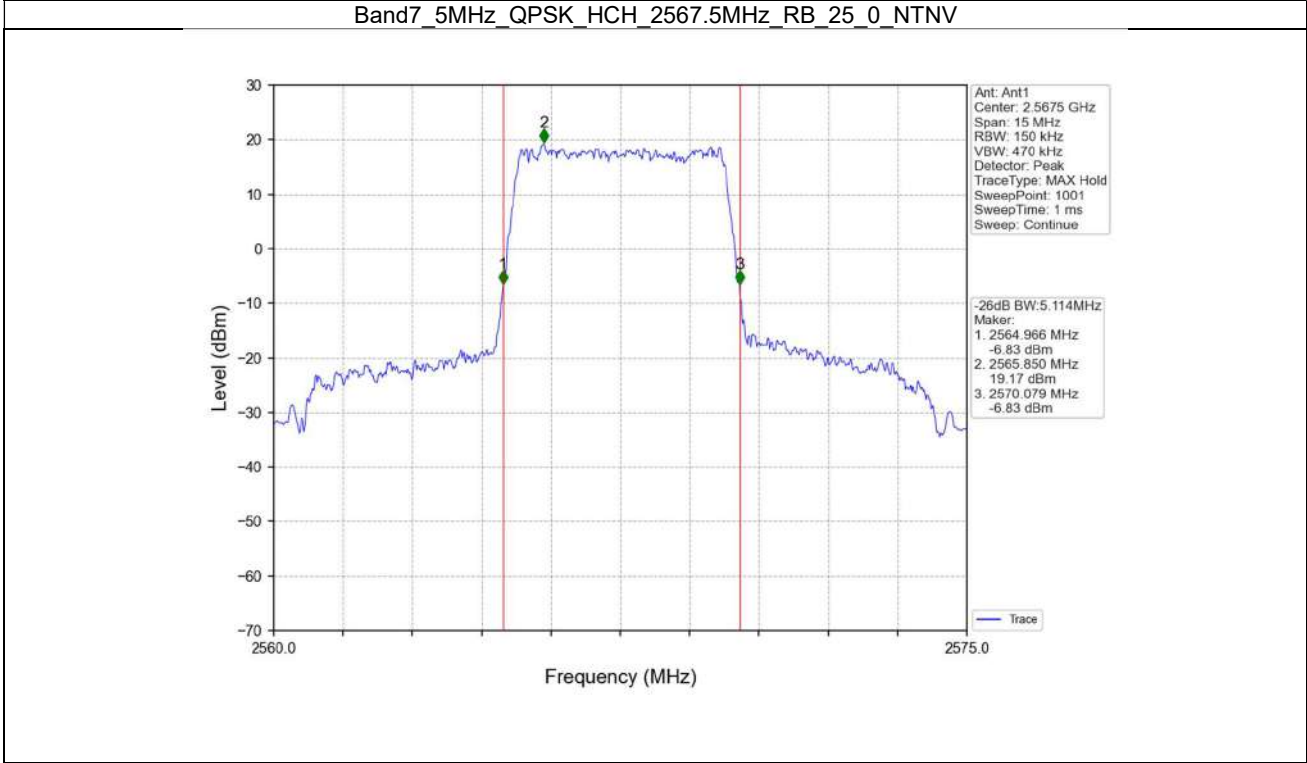
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Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



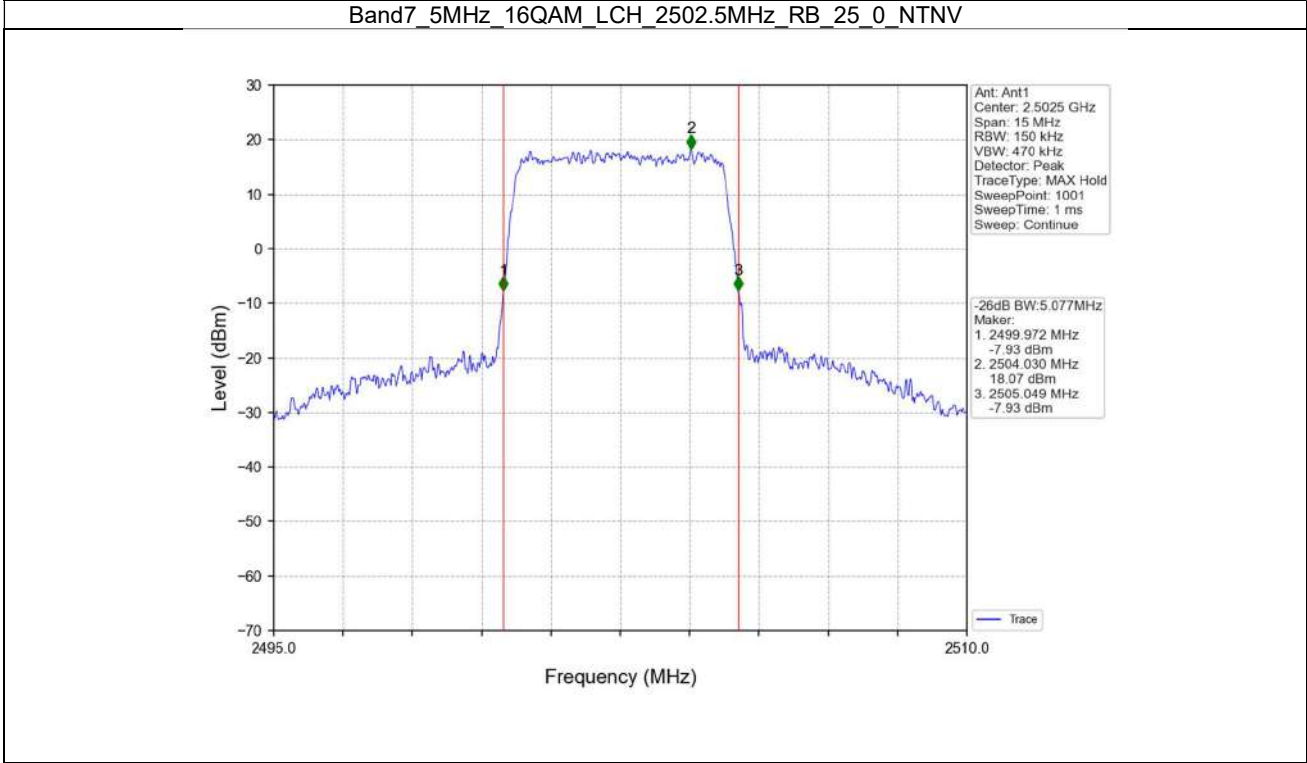
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Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_25\_0\_NTNV



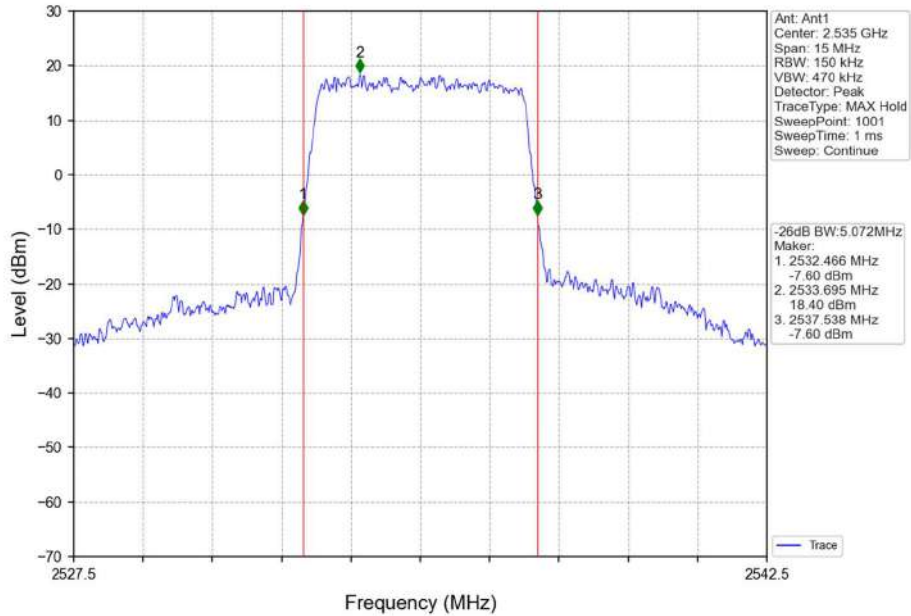
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Band7\_5MHz\_16QAM\_MCH\_2535MHz\_RB\_25\_0\_NTNV

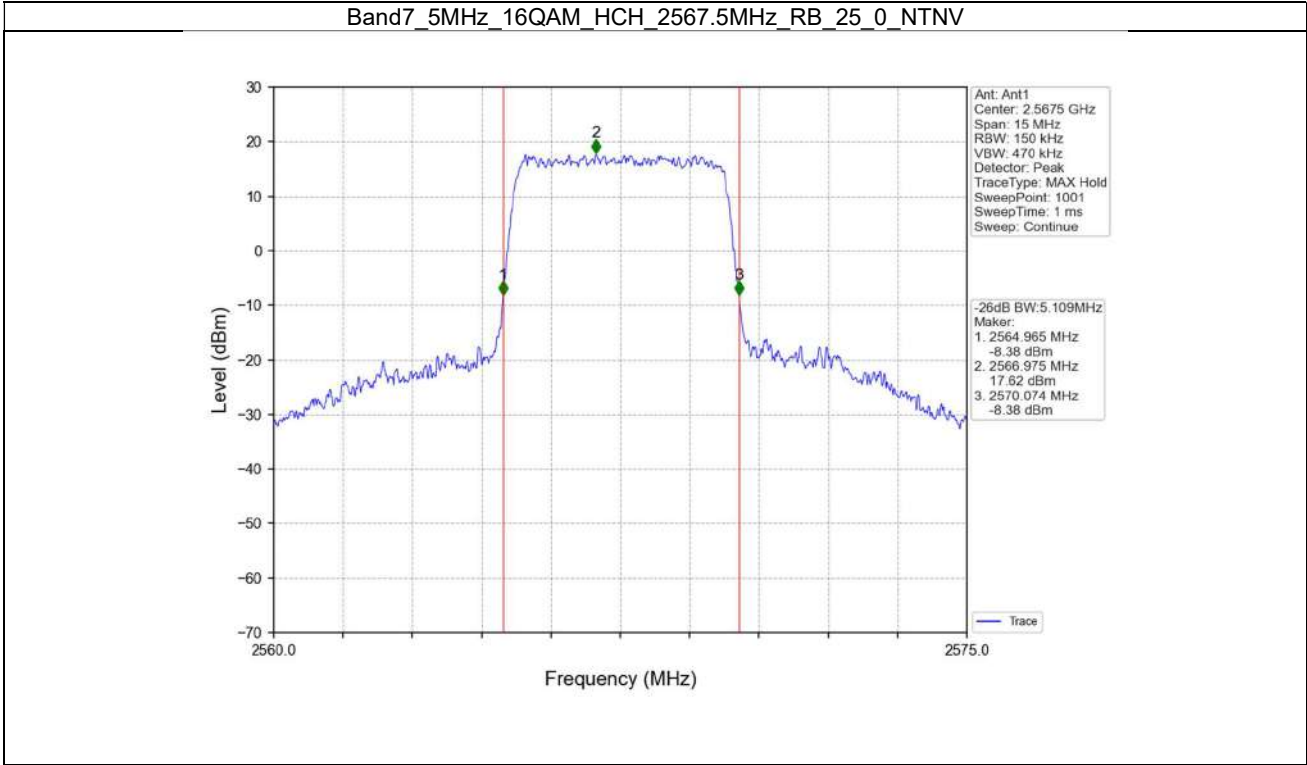


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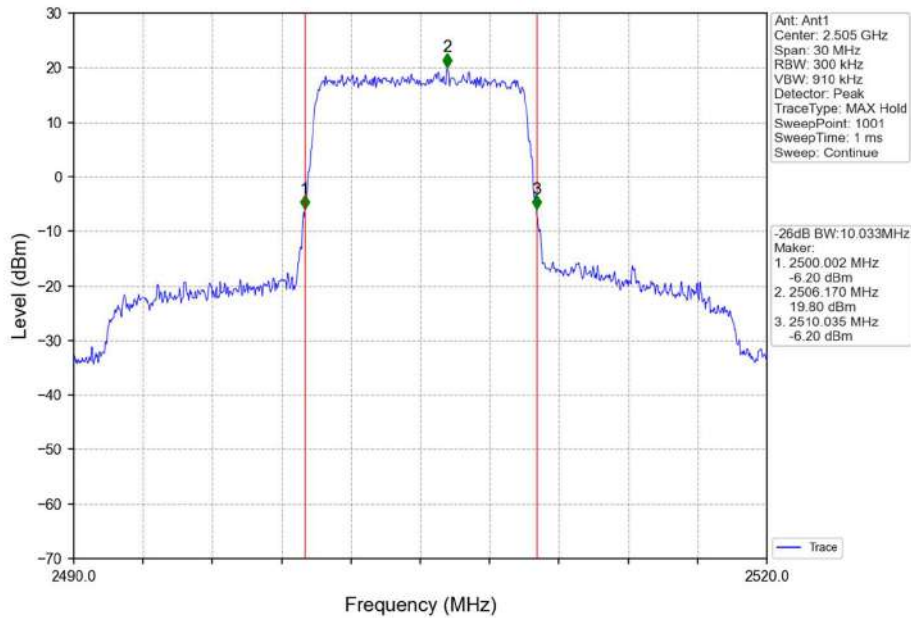


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Band7\_10MHz\_QPSK\_LCH\_2505MHz\_RB\_50\_0\_NTNV

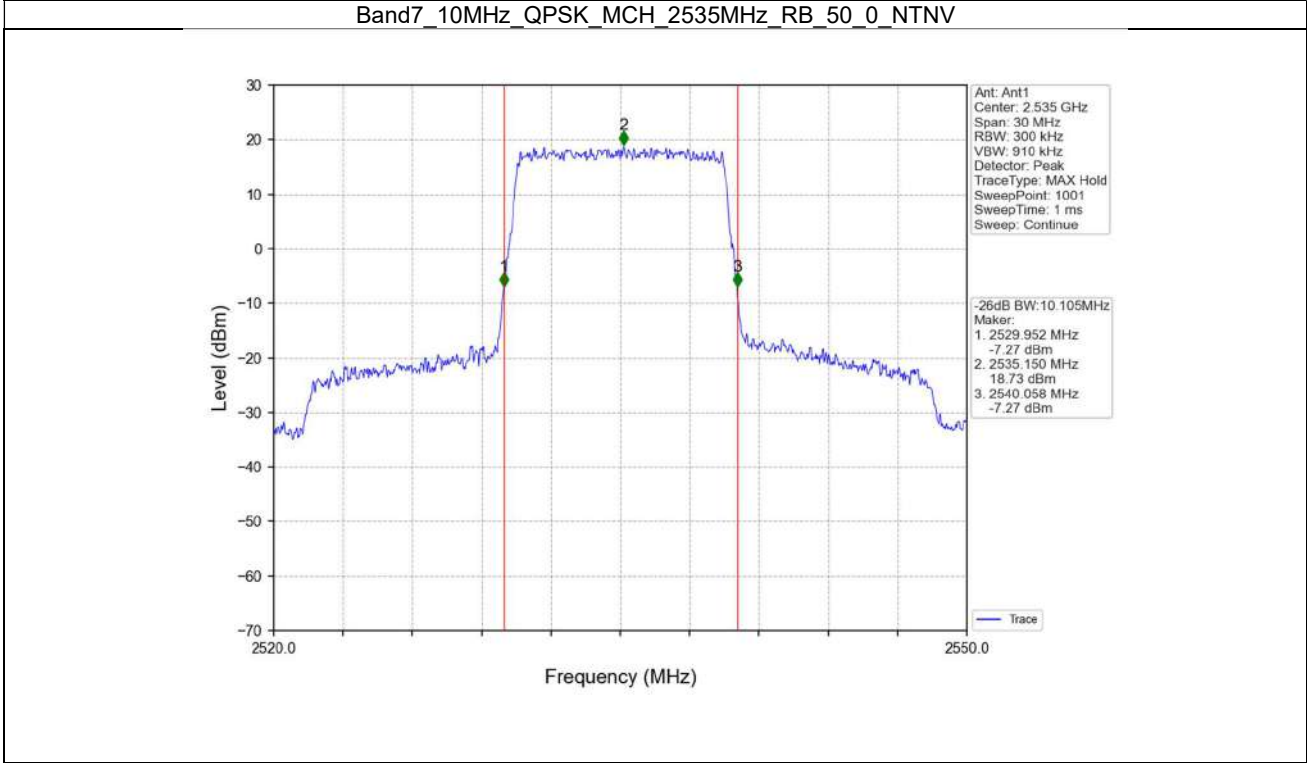


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Band7\_10MHz\_QPSK\_MCH\_2535MHz\_RB\_50\_0\_NTNV



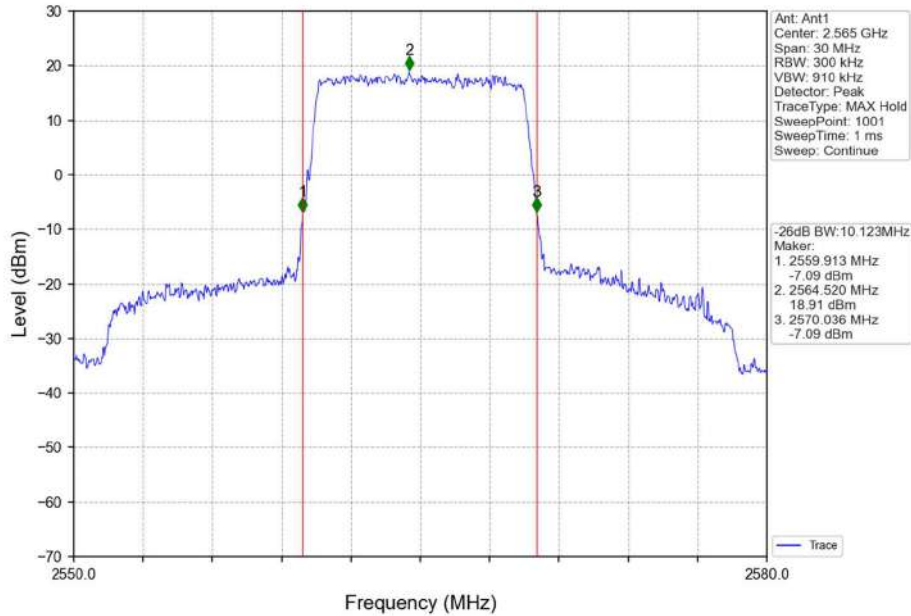
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Band7\_10MHz\_QPSK\_HCH\_2565MHz\_RB\_50\_0\_NTNV

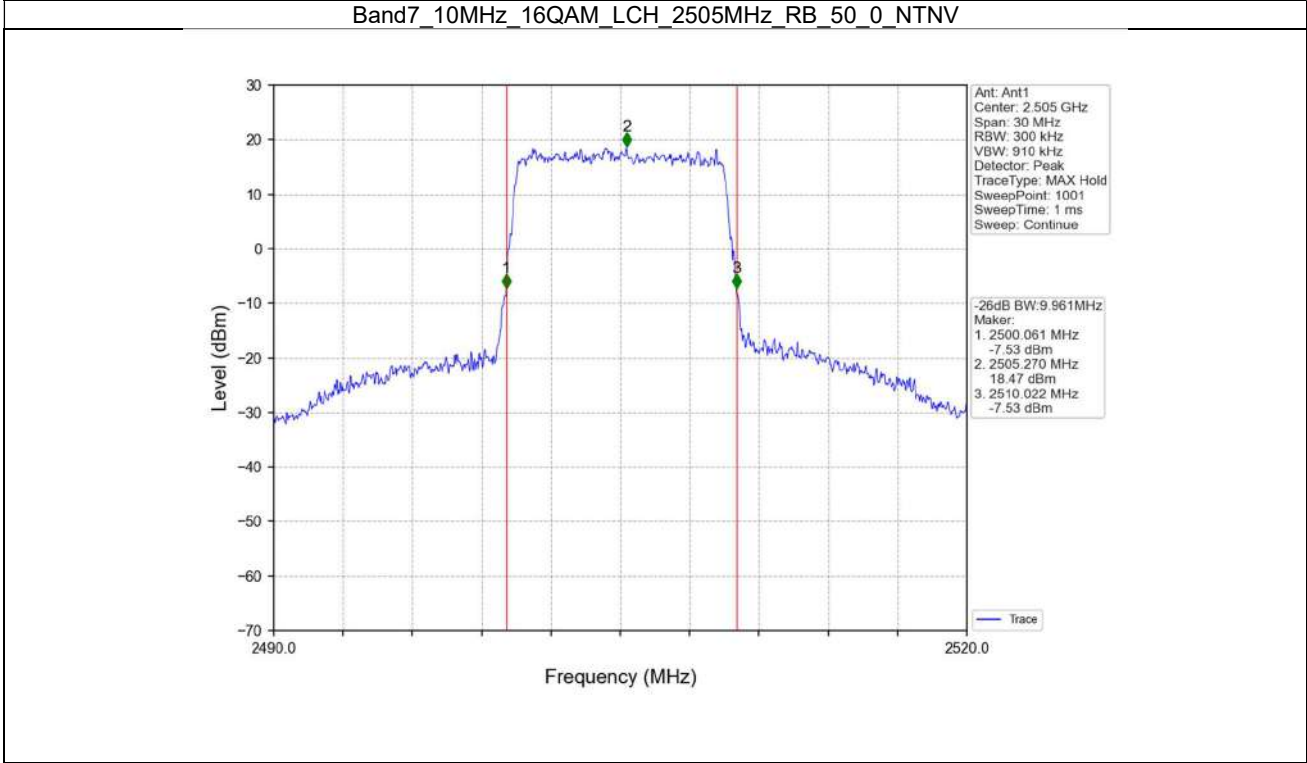


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Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_50\_0\_NTNV



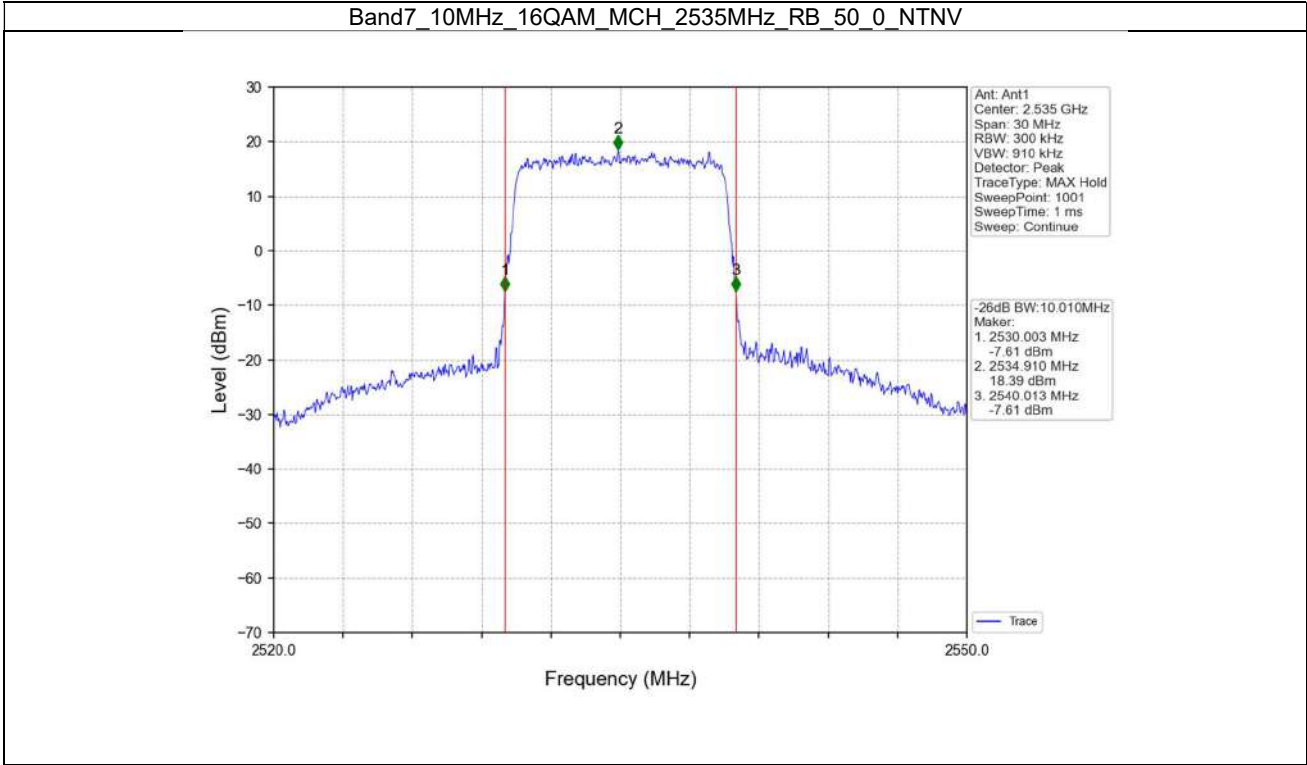
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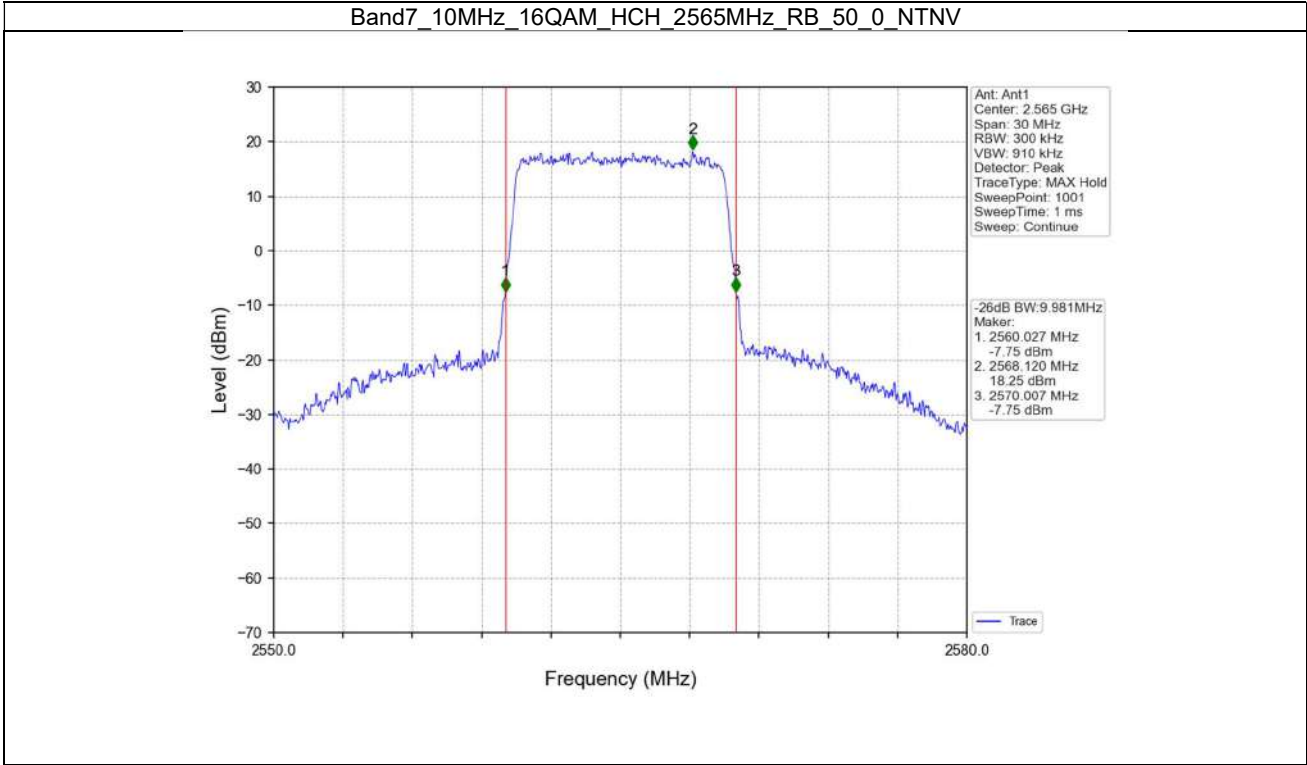


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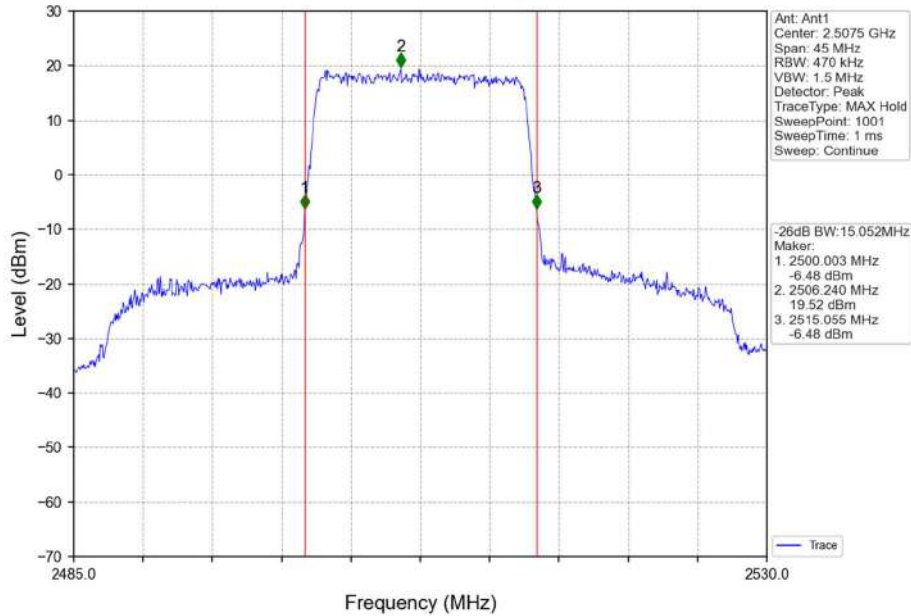


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Band7\_15MHz\_QPSK\_LCH\_2507.5MHz\_RB\_75\_0\_NTNV



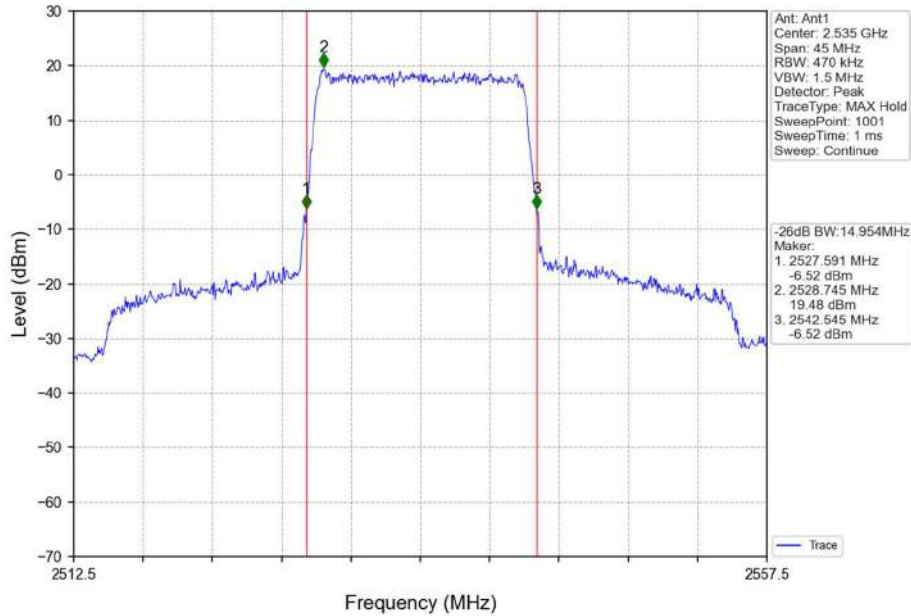
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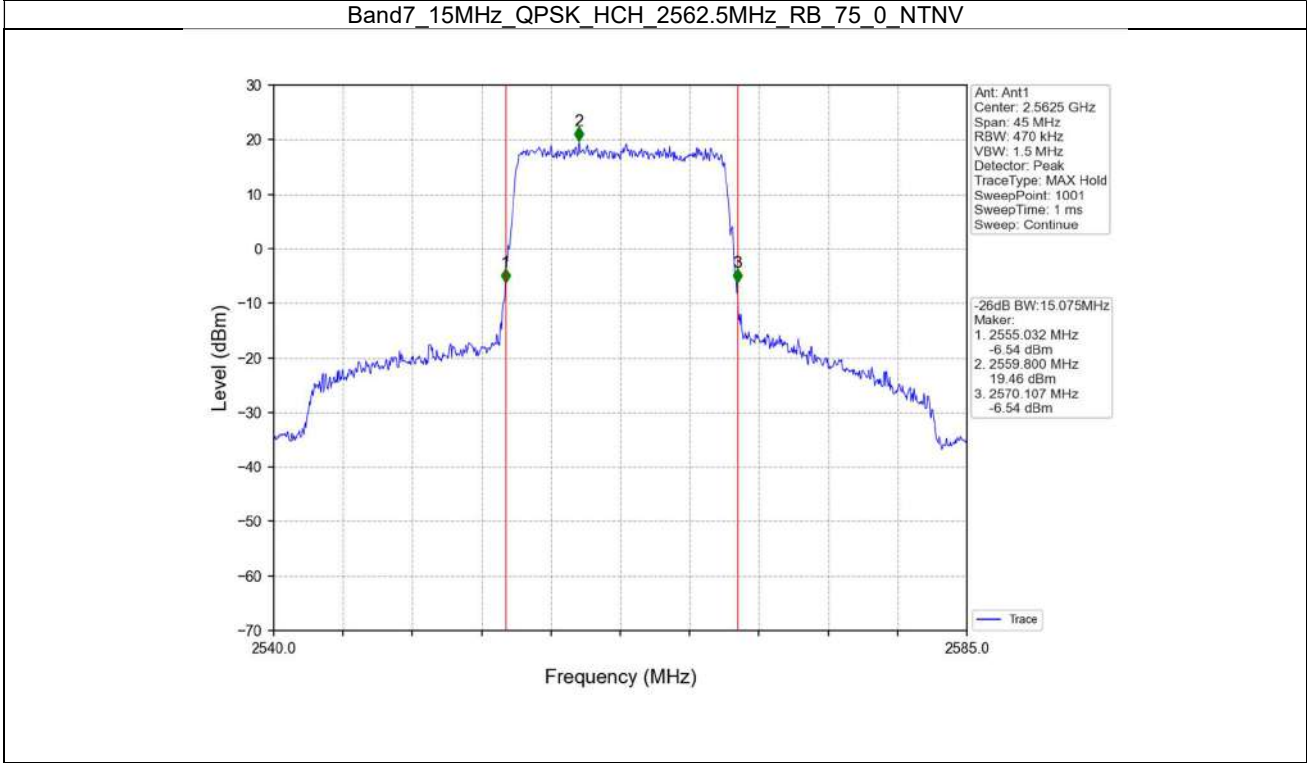
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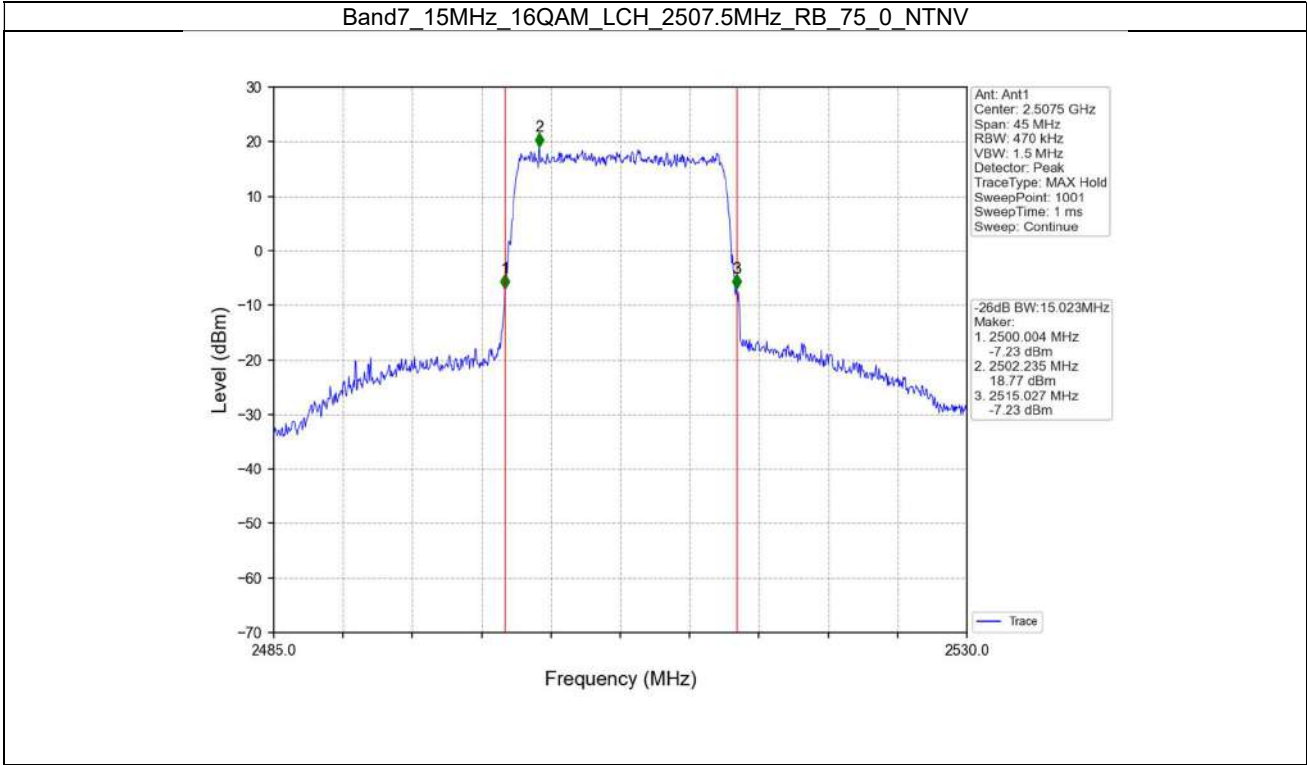
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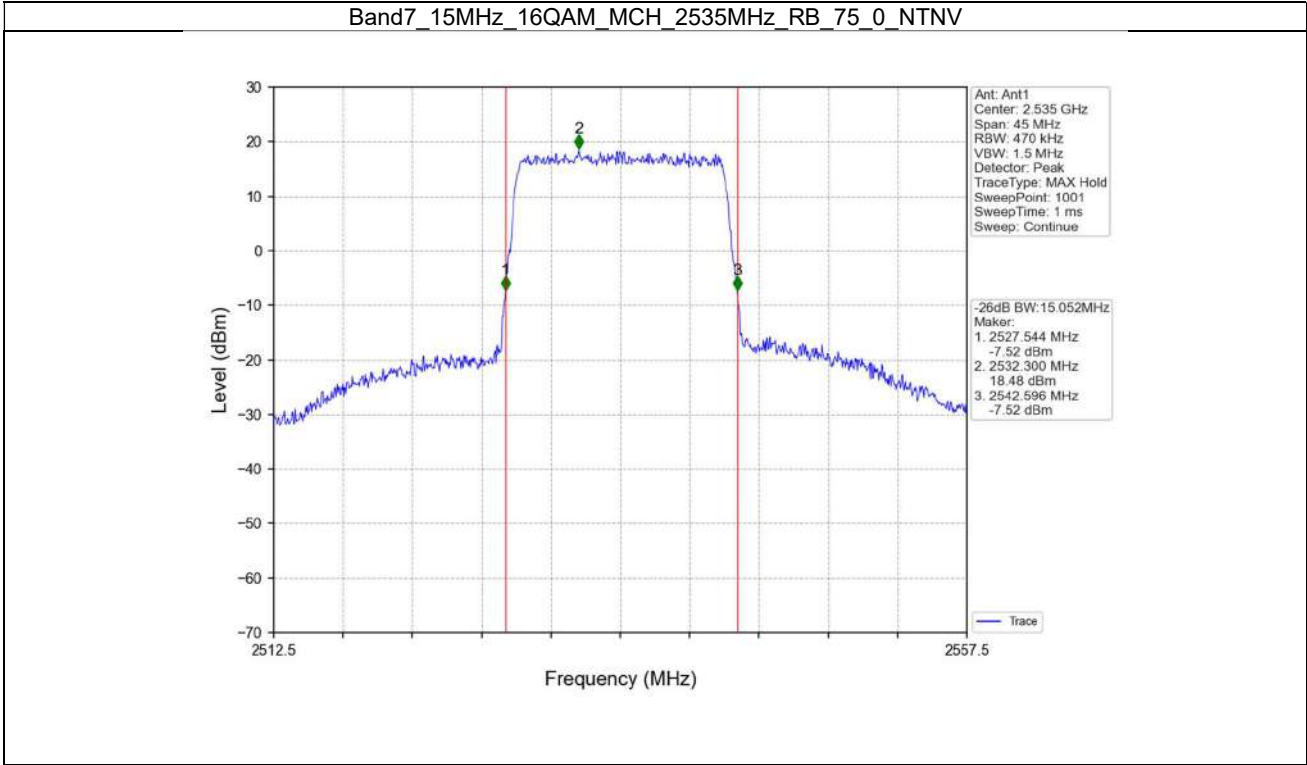


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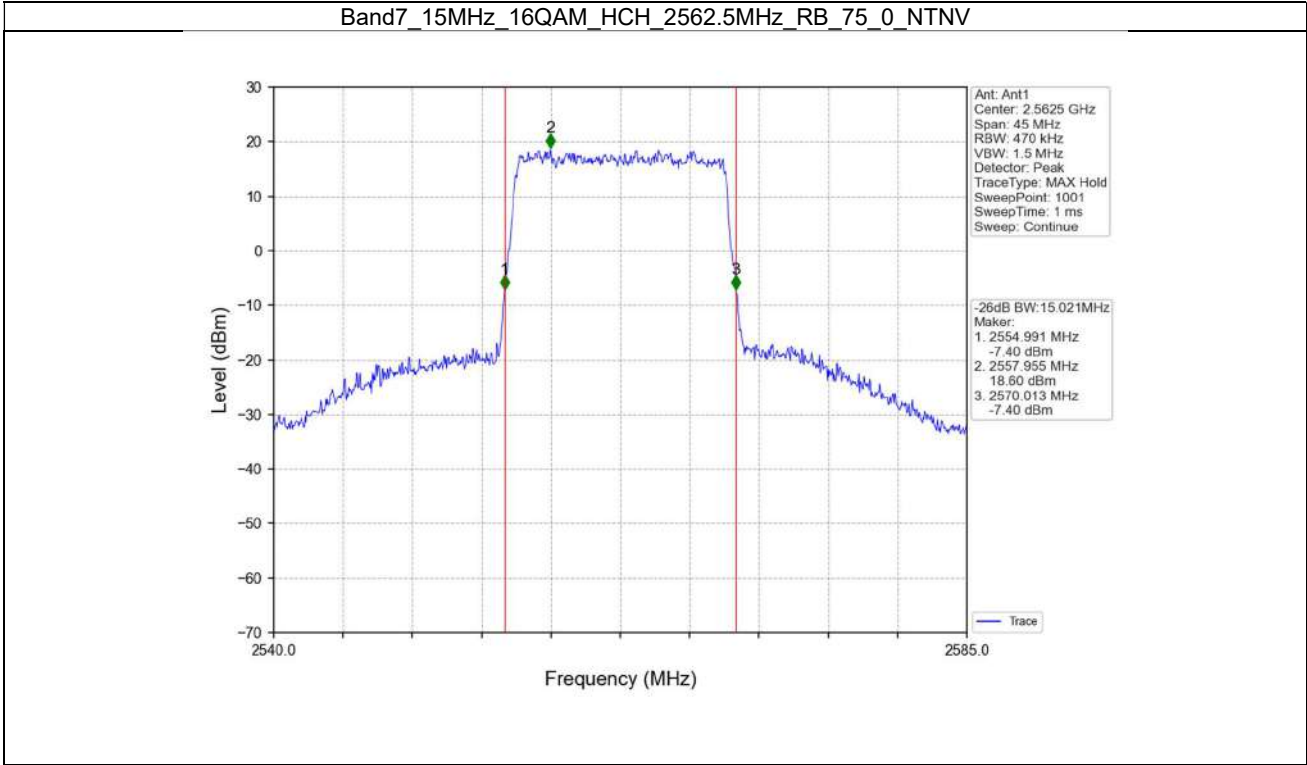


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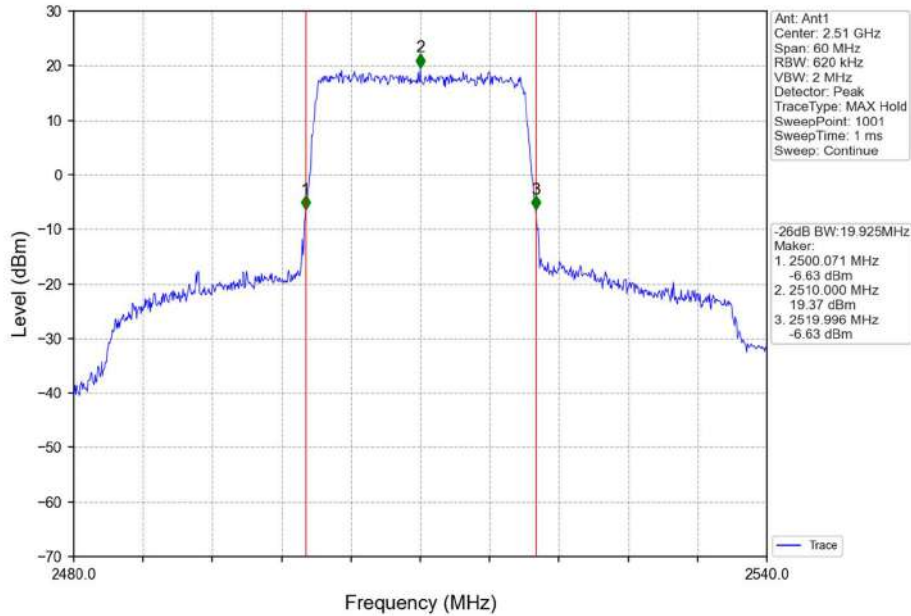
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Band7\_20MHz\_QPSK\_LCH\_2510MHz\_RB\_100\_0\_NTNV

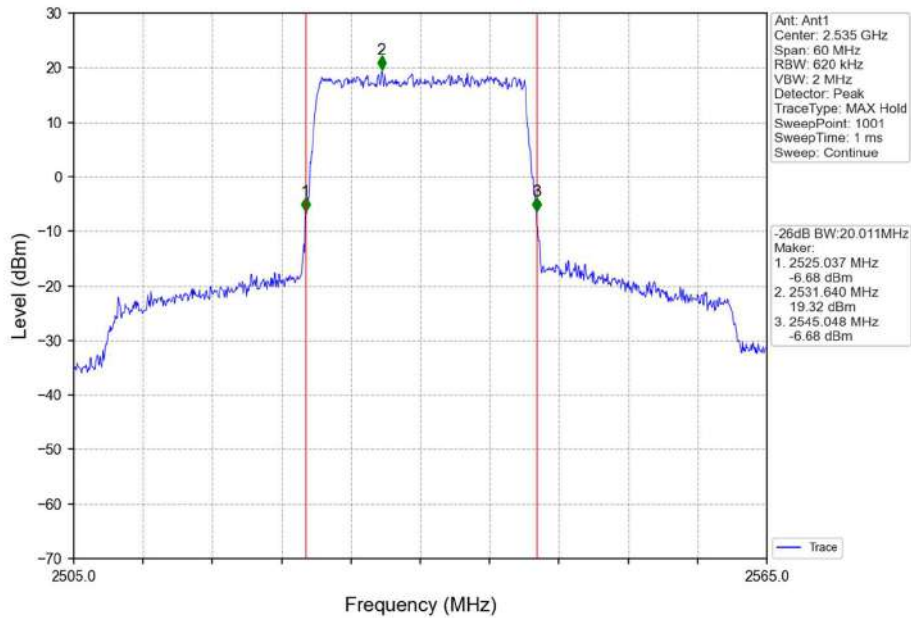


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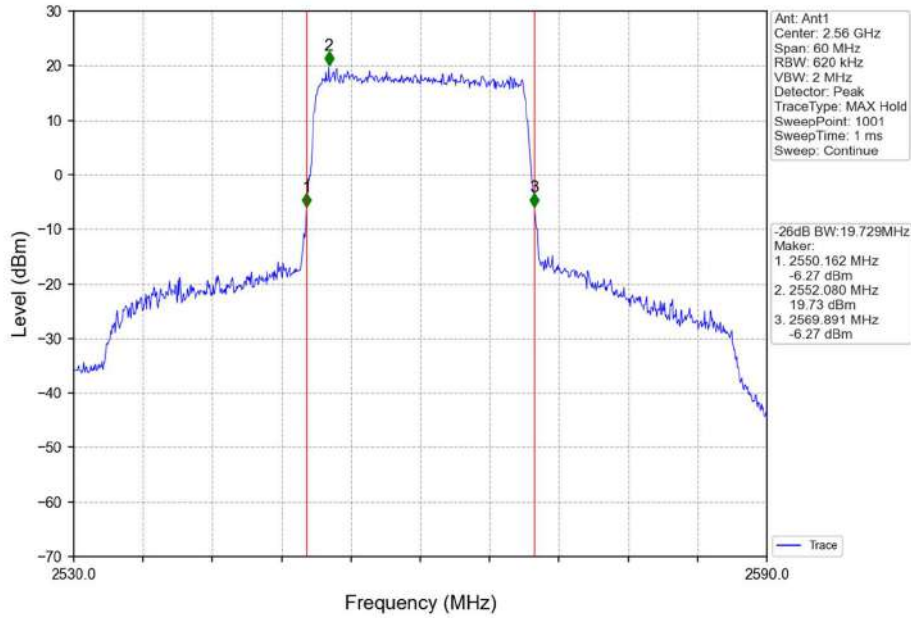


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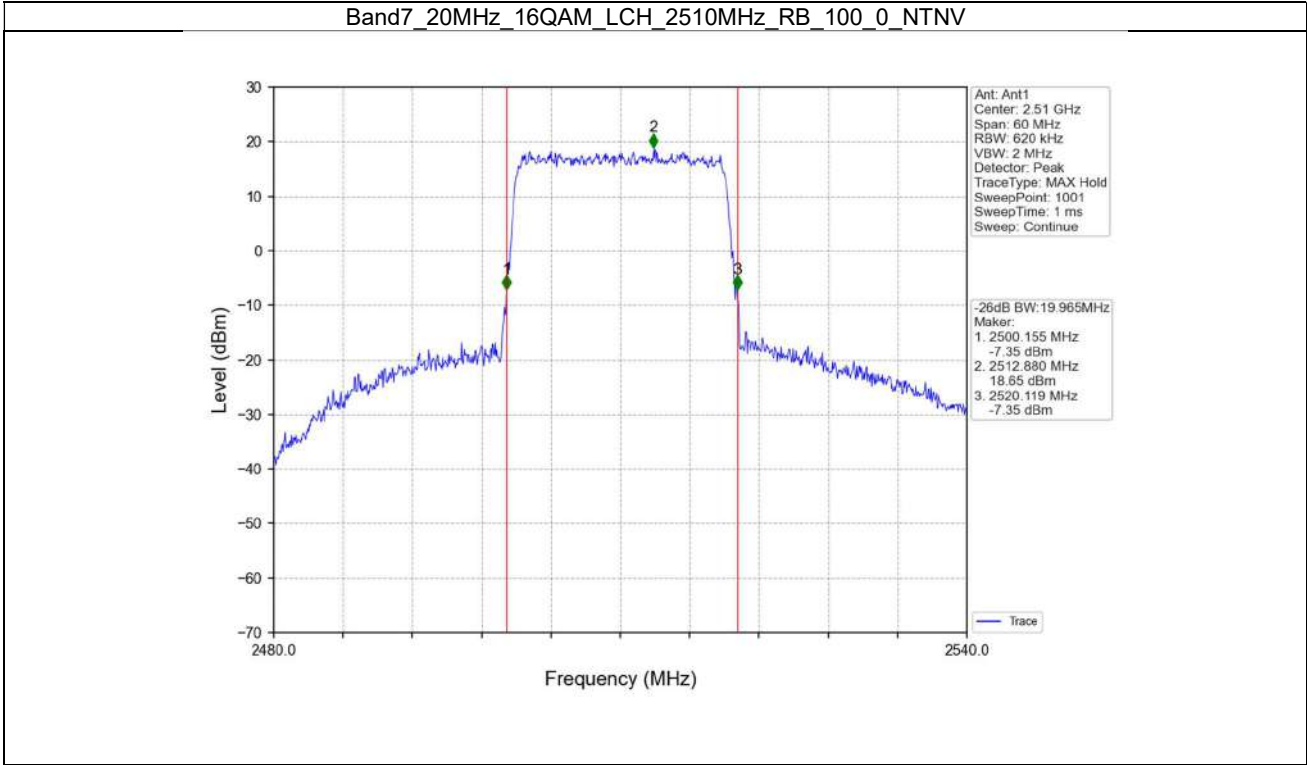


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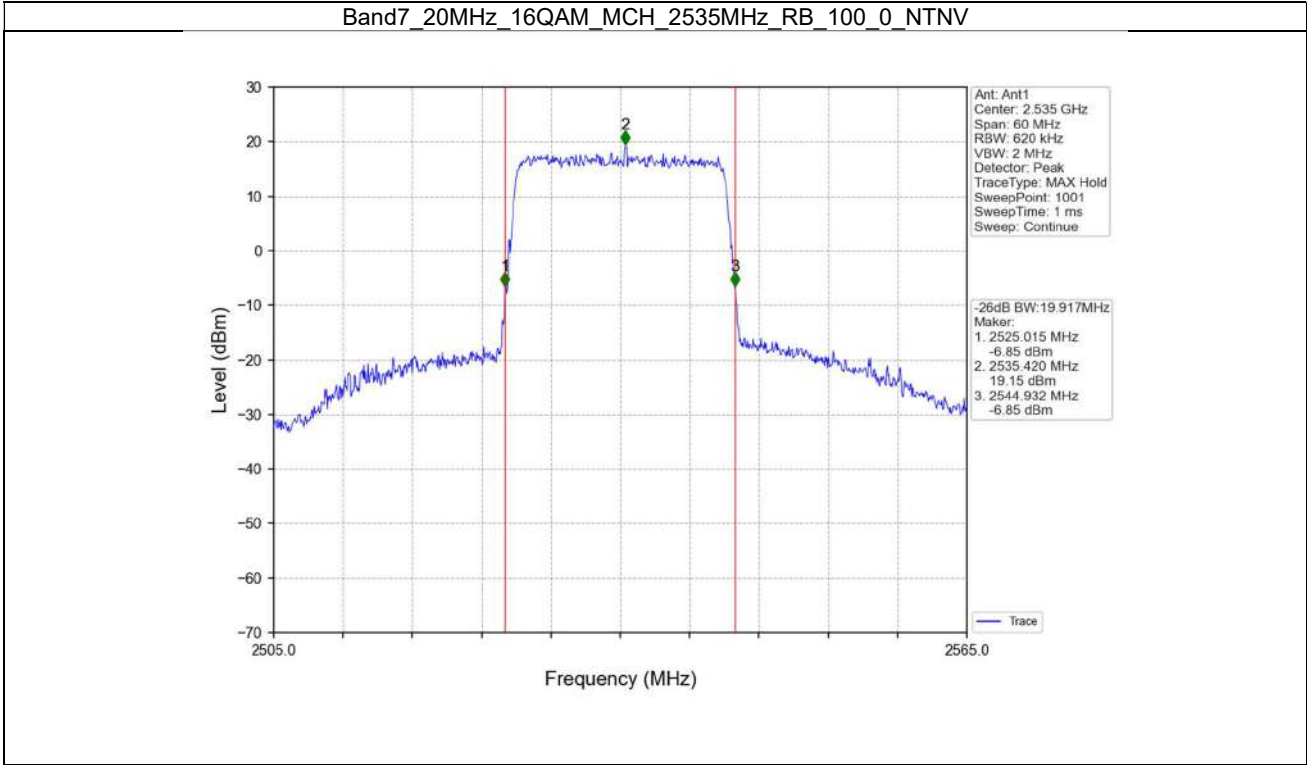


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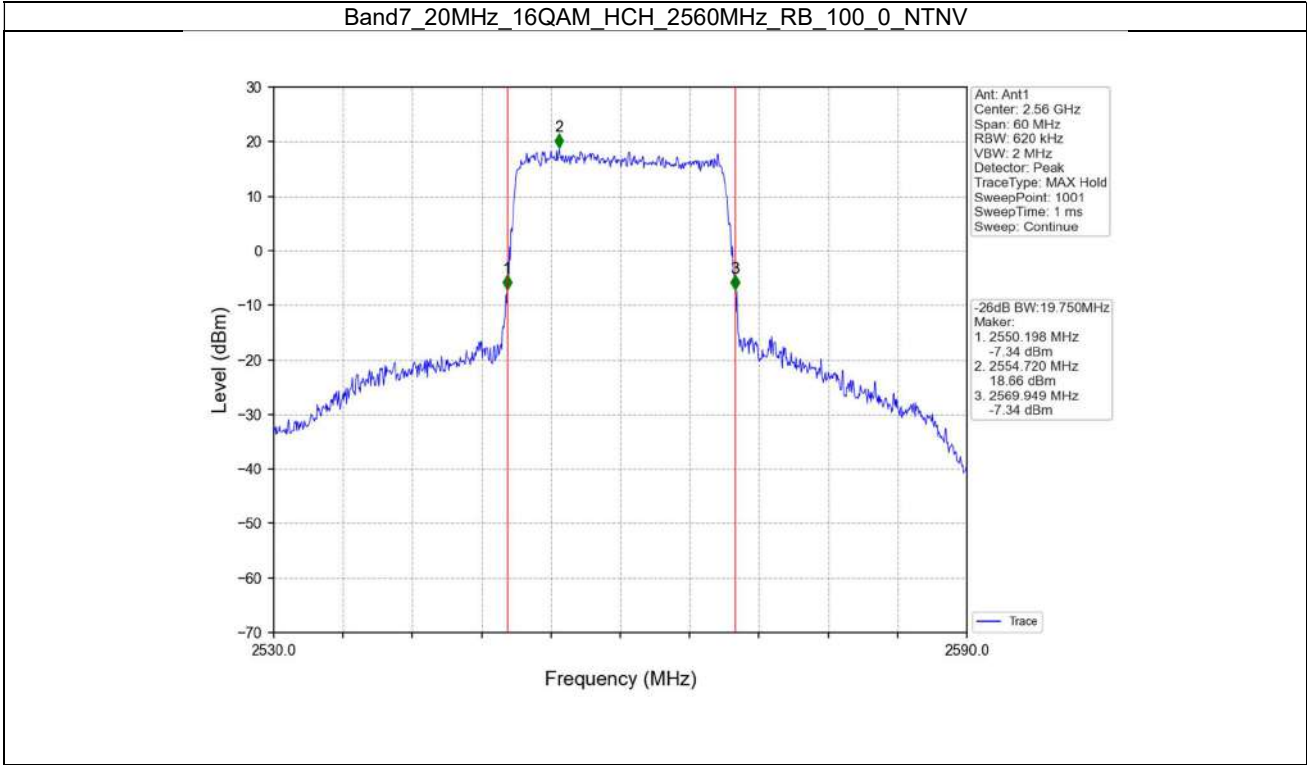


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## 5. Peak-Average Ratio

### 5.1 B7\_5MHz

#### 5.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	25	0	5.46	<=13	Pass
	2535	25	0	5.48	<=13	Pass
	2567.5	25	0	5.36	<=13	Pass
16QAM	2502.5	25	0	6.13	<=13	Pass
	2535	25	0	6.12	<=13	Pass
	2567.5	25	0	6.08	<=13	Pass



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### 5.1.2 Test Graph



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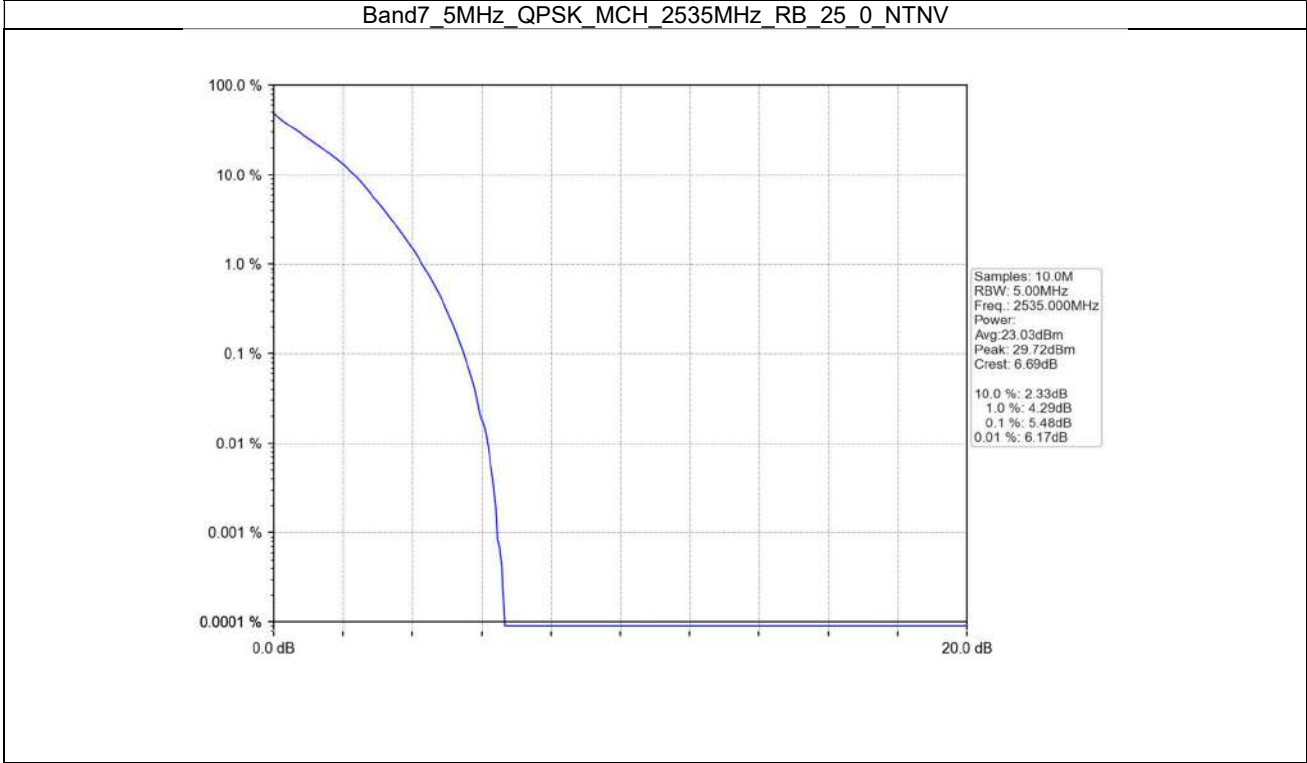
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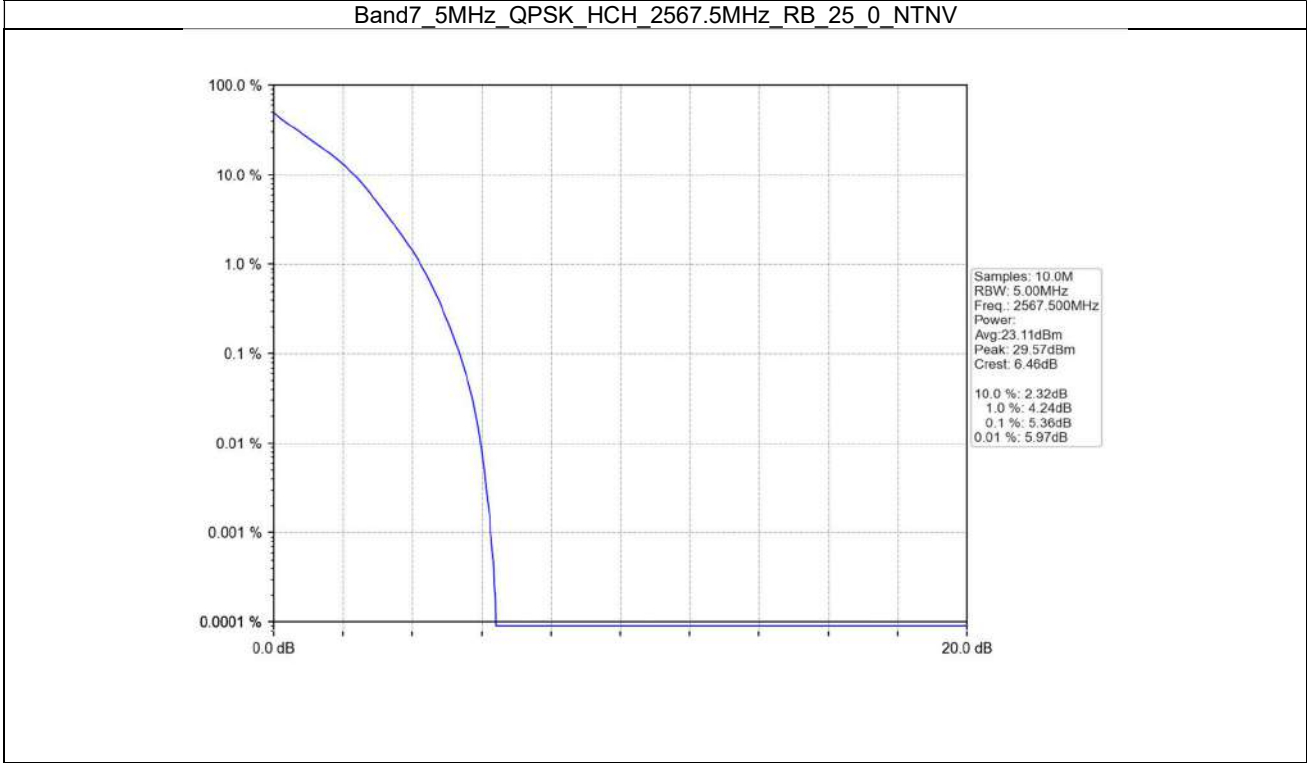
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Band7\_5MHz\_QPSK\_HCH\_2567.5MHz\_RB\_25\_0\_NTNV



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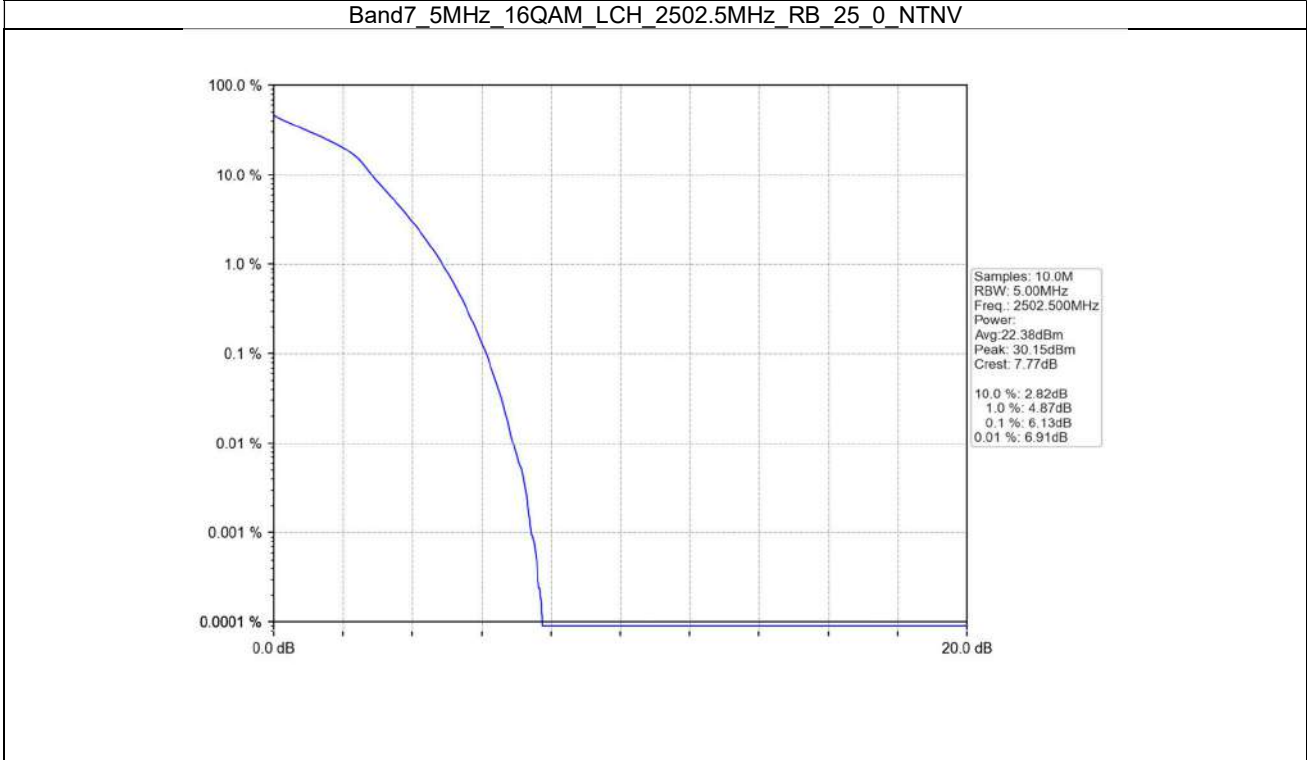
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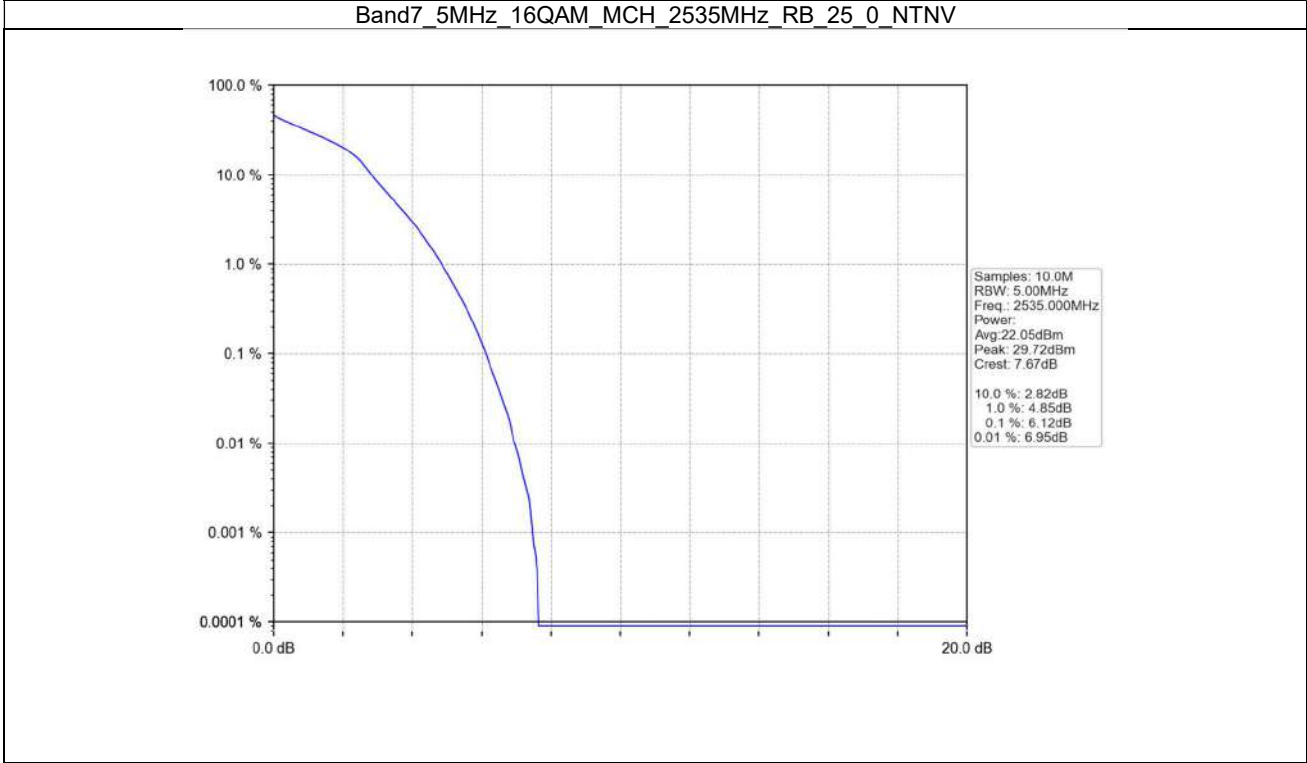
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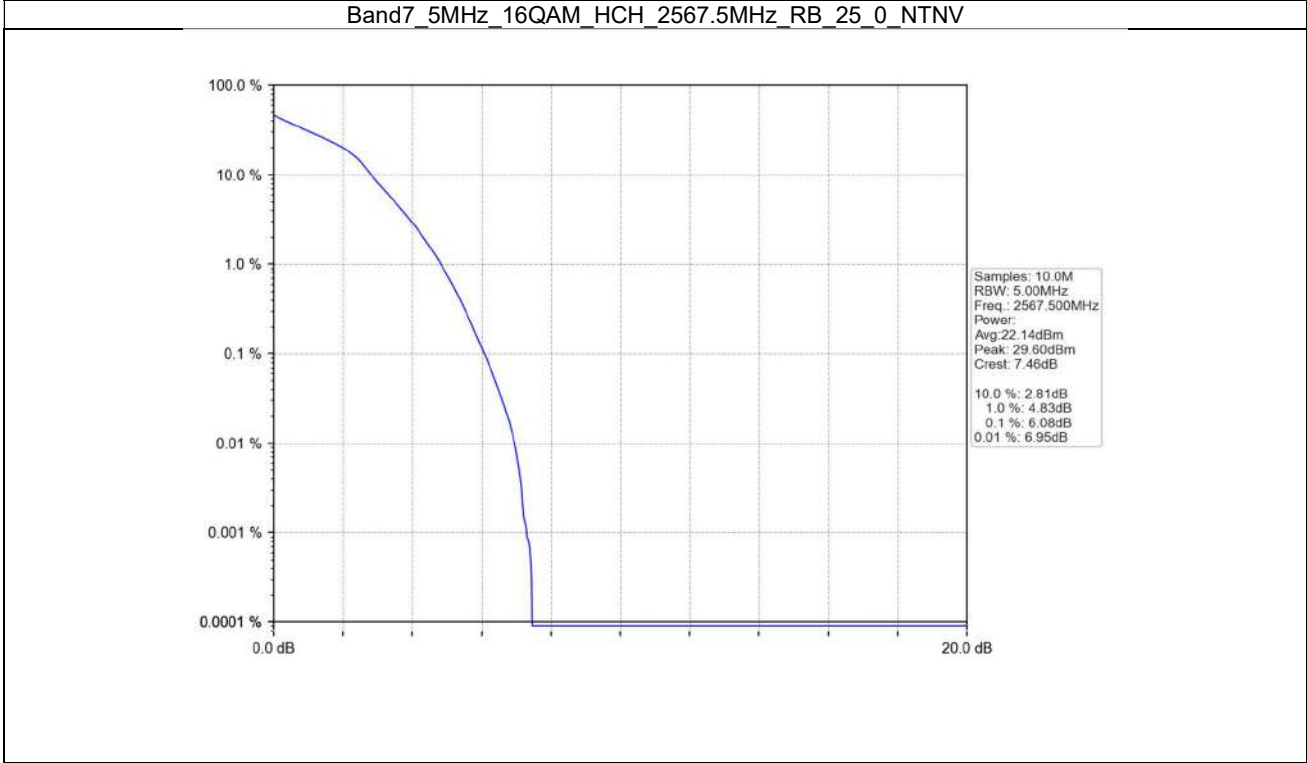
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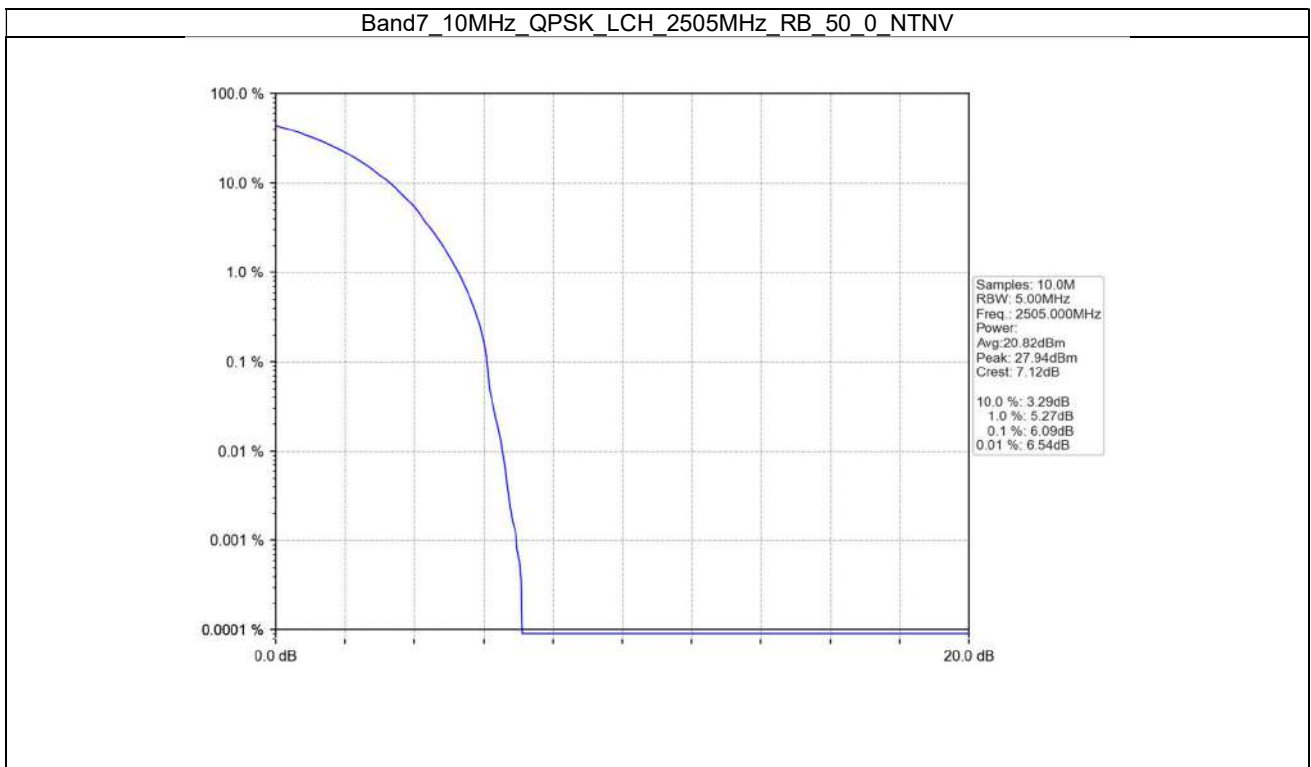
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## 5.2 B7\_10MHz

### 5.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2505	50	0	6.09	<=13	Pass
	2535	50	0	6.08	<=13	Pass
	2565	50	0	6.10	<=13	Pass
16QAM	2505	50	0	6.76	<=13	Pass
	2535	50	0	6.69	<=13	Pass
	2565	50	0	6.78	<=13	Pass

### 5.2.2 Test Graph



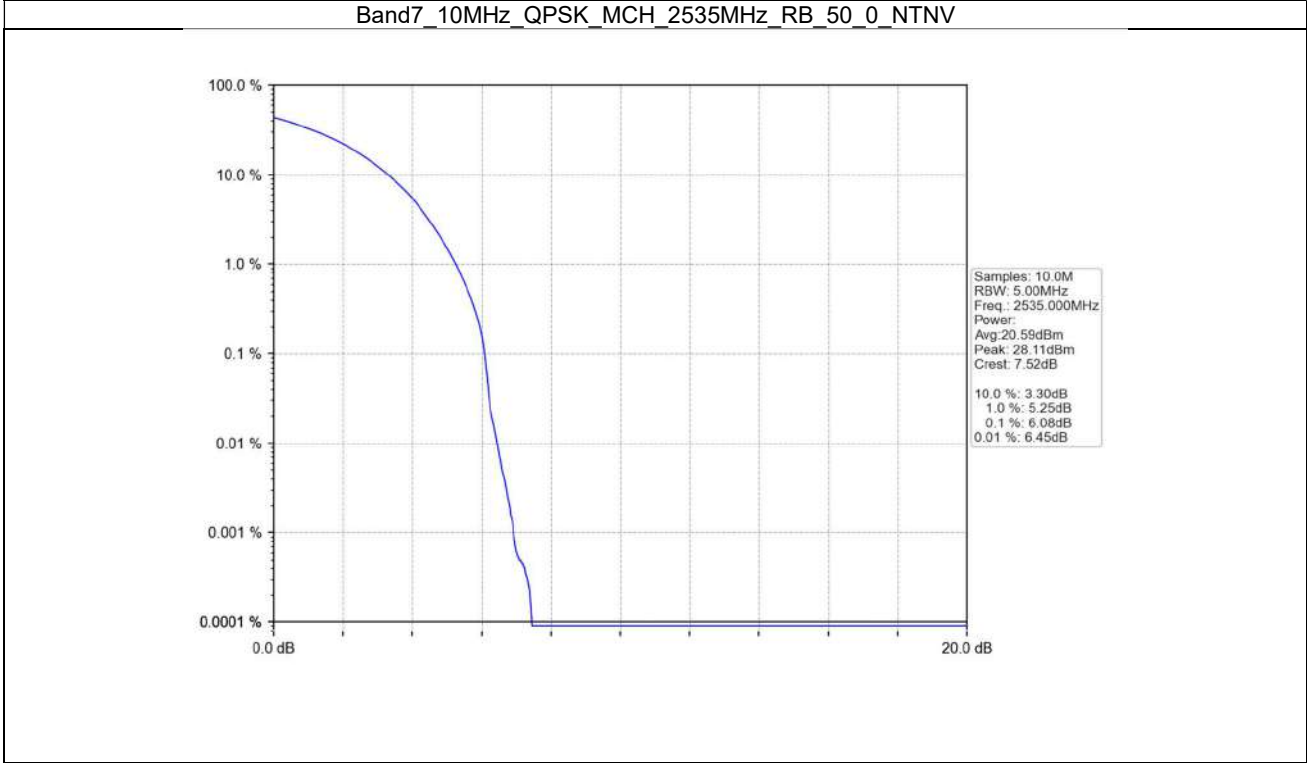
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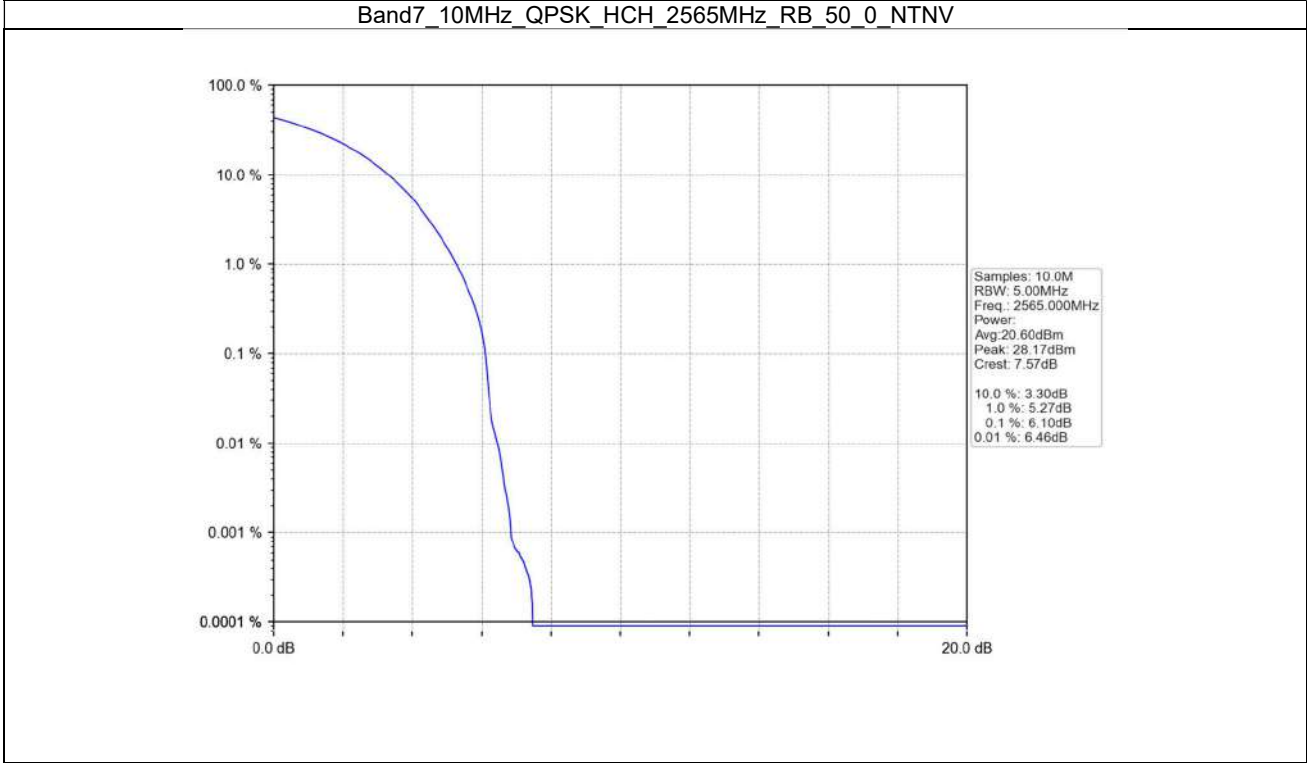
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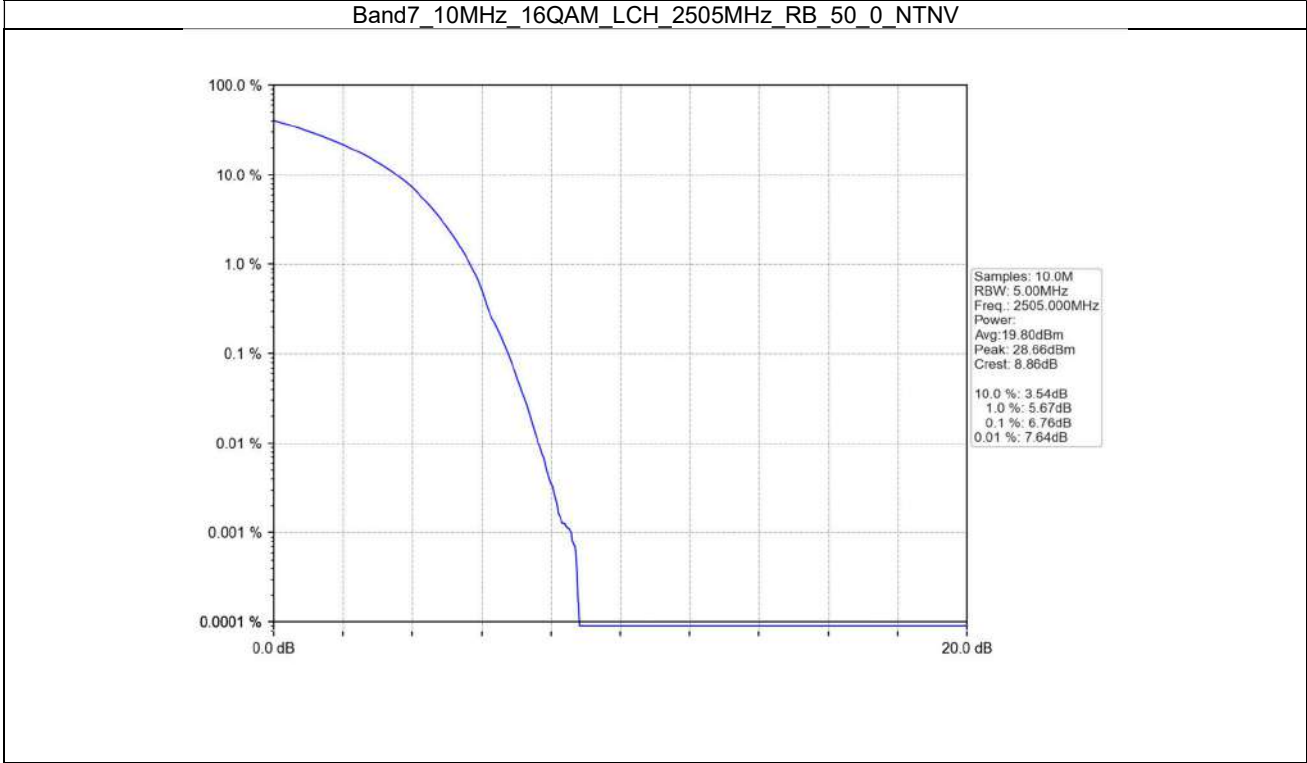
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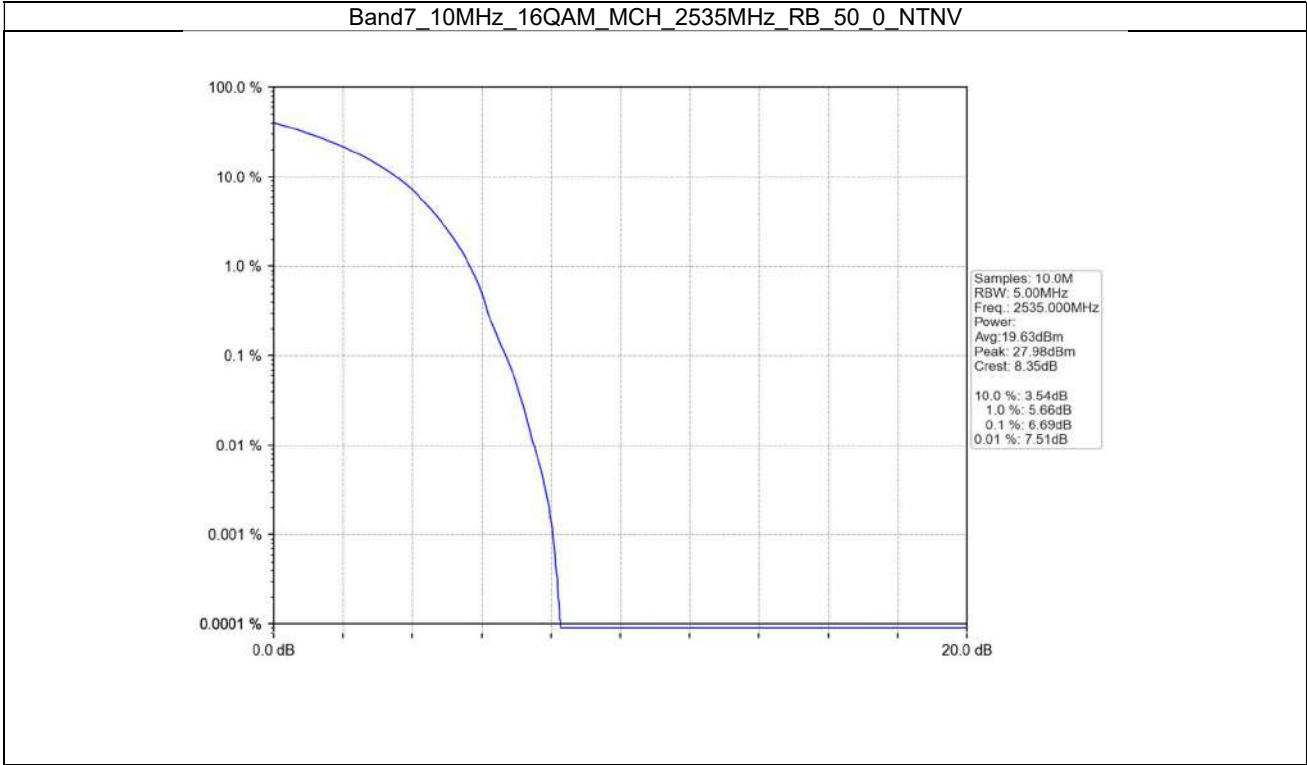
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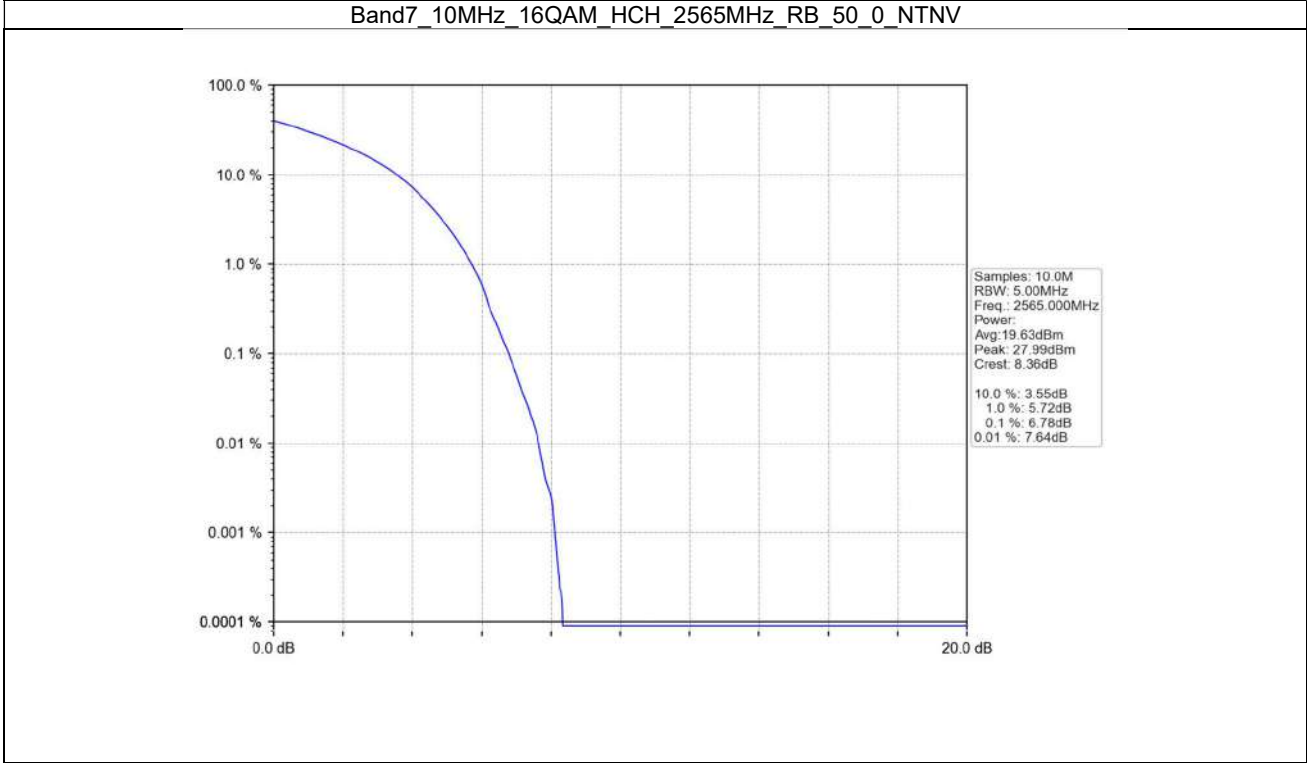


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### 5.3 B7\_15MHz

#### 5.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	75	0	6.75	<=13	Pass
	2535	75	0	6.69	<=13	Pass
	2562.5	75	0	6.77	<=13	Pass
16QAM	2507.5	75	0	7.29	<=13	Pass
	2535	75	0	7.27	<=13	Pass
	2562.5	75	0	7.25	<=13	Pass



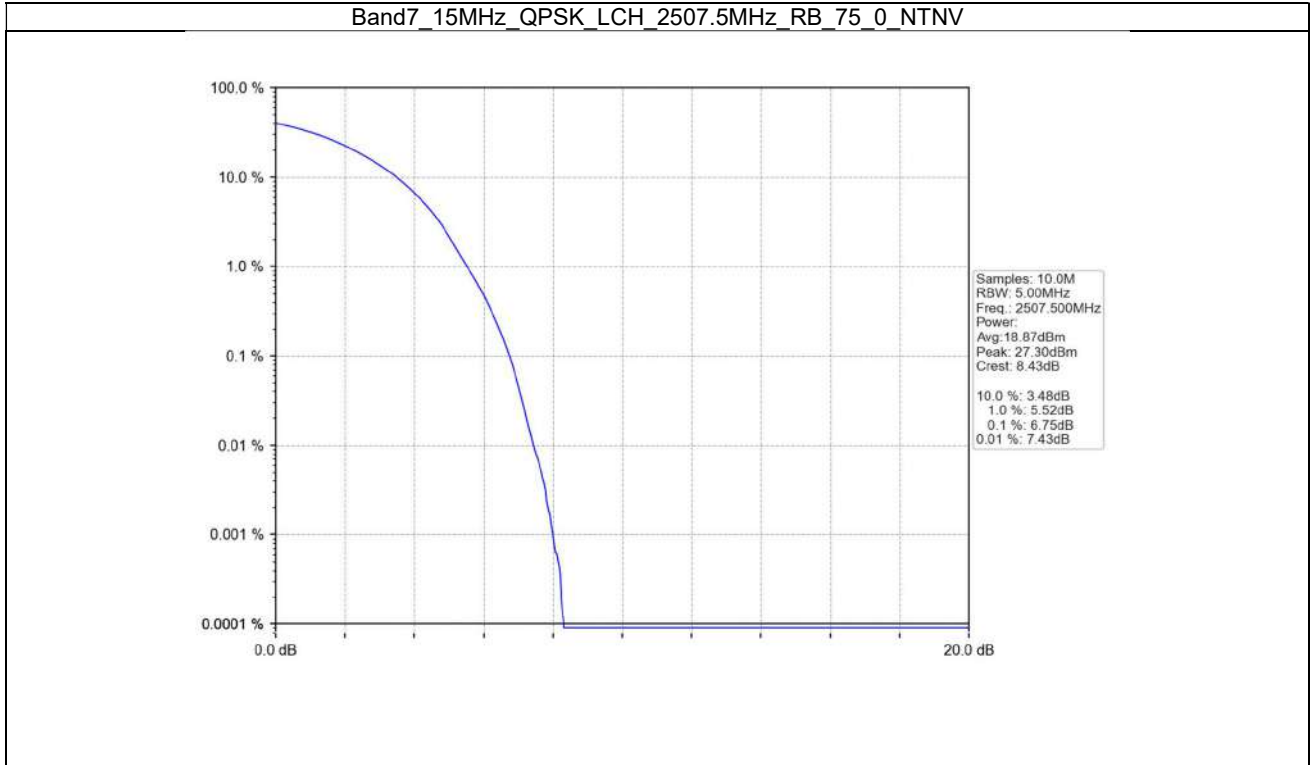
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### 5.3.2 Test Graph



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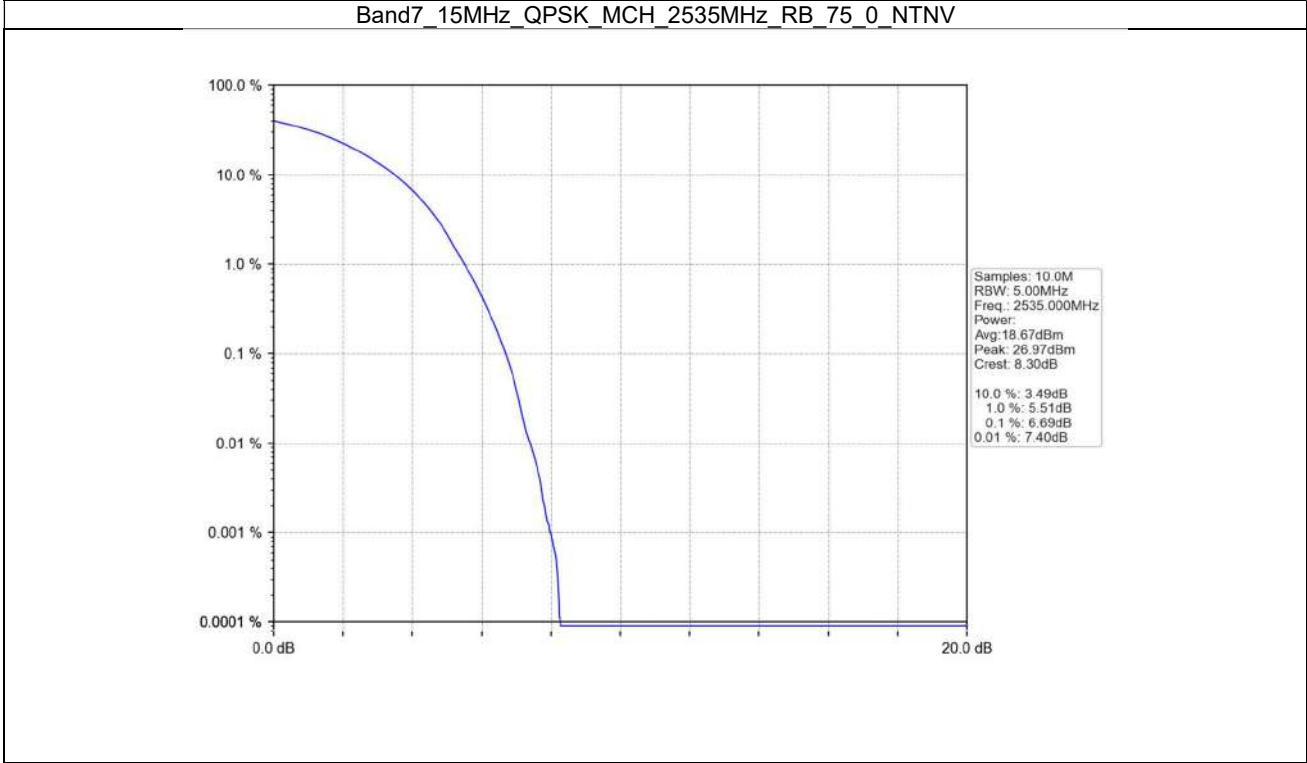
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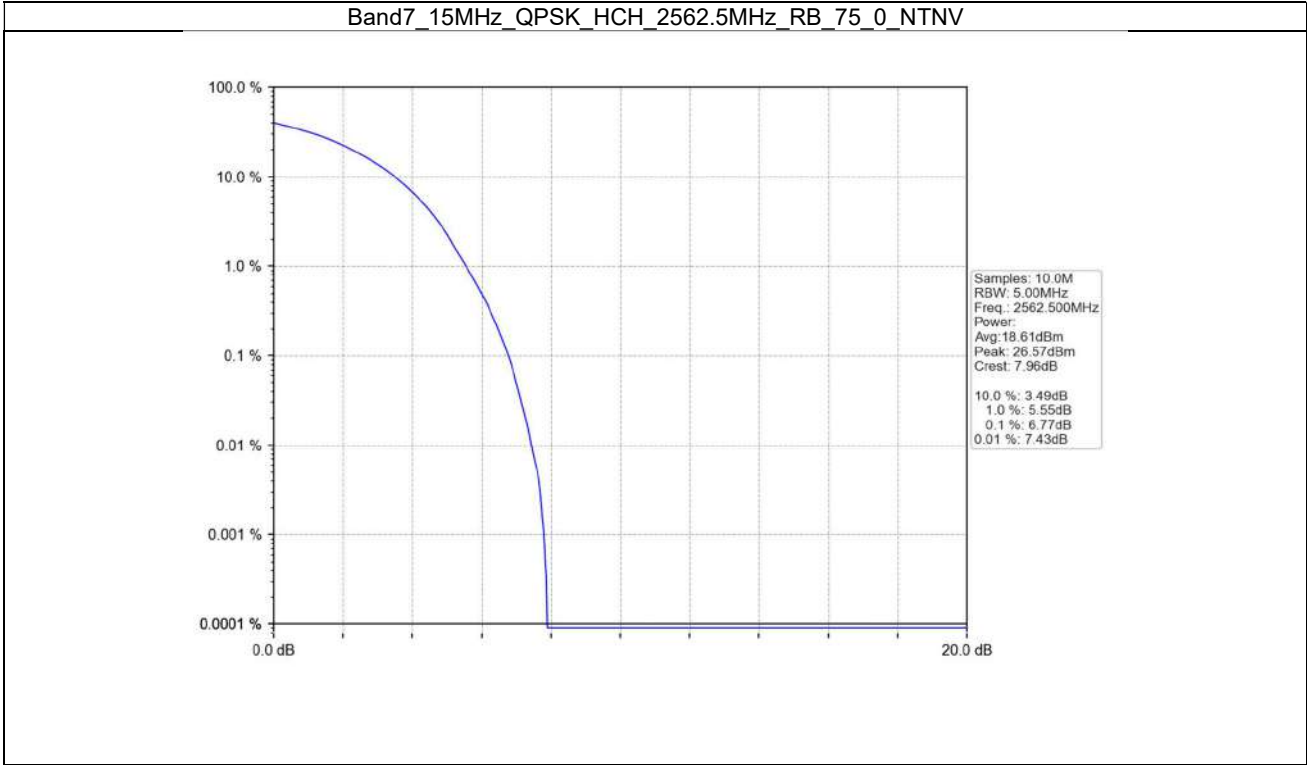
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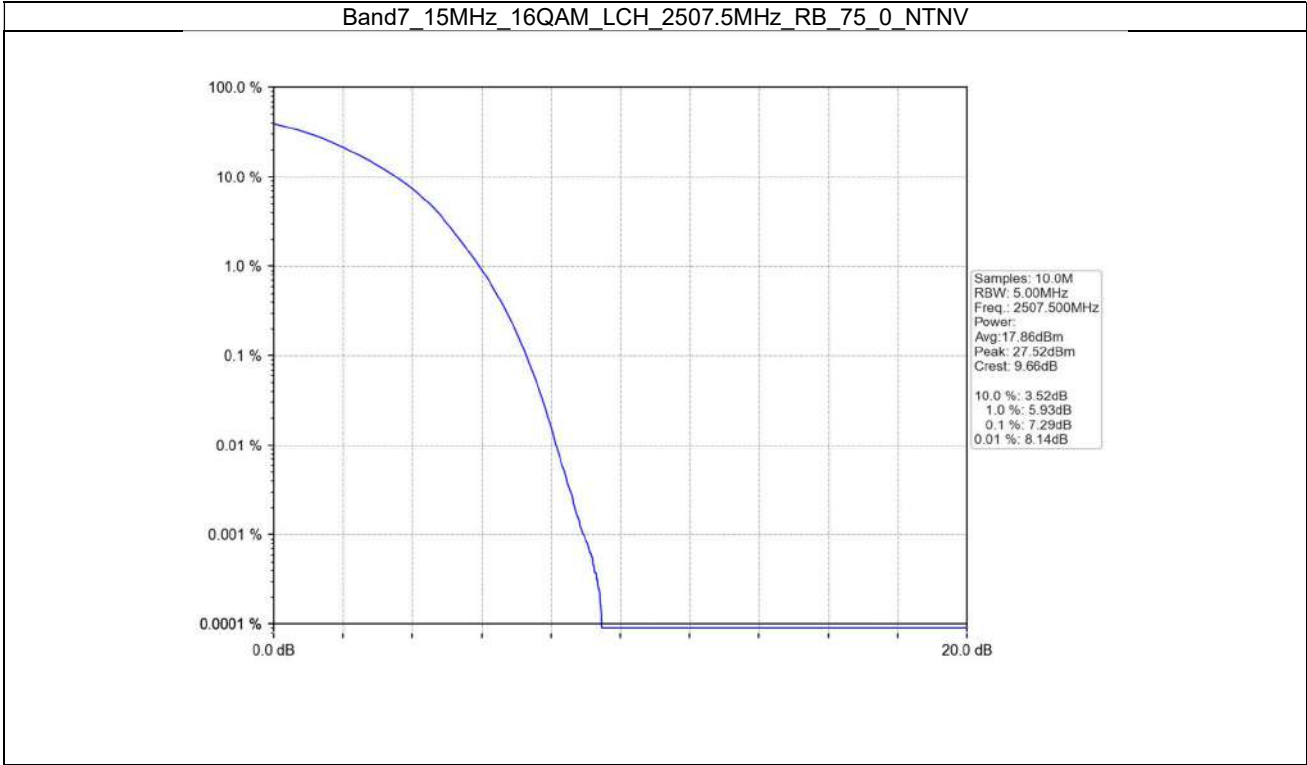


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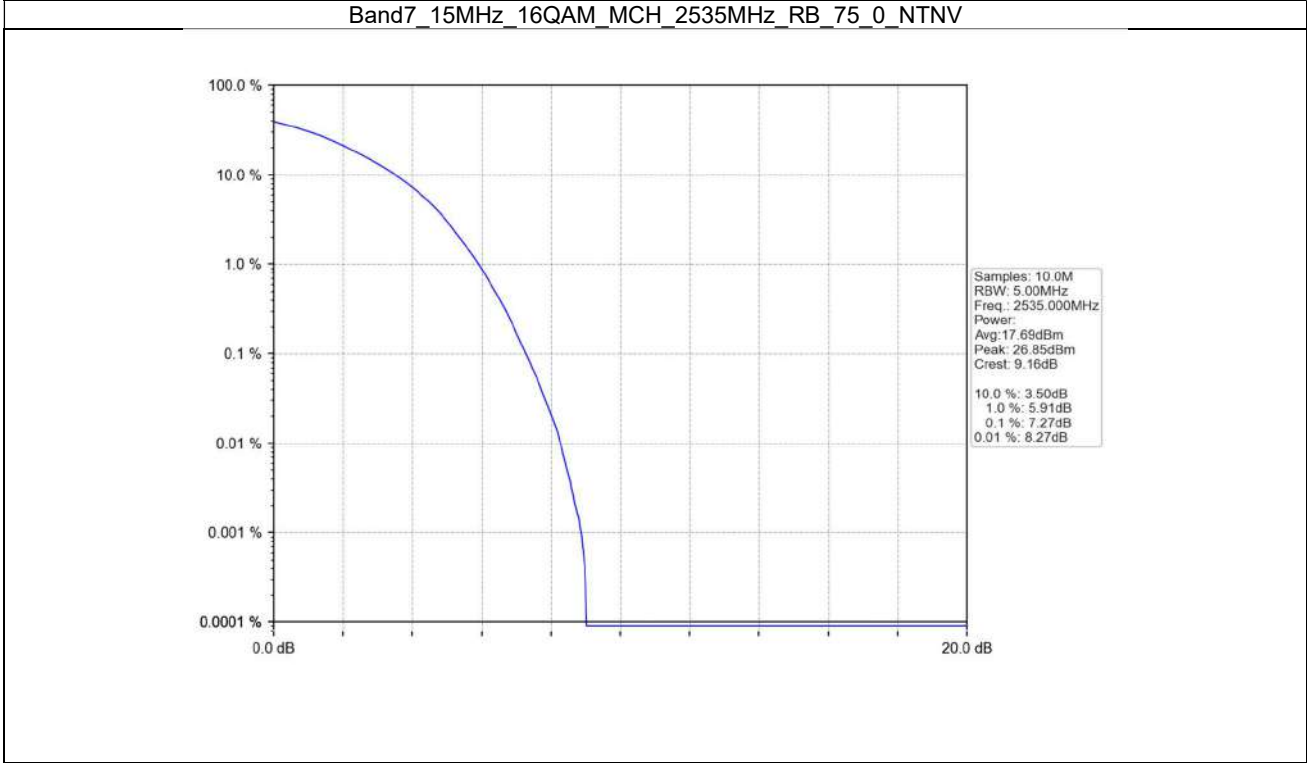
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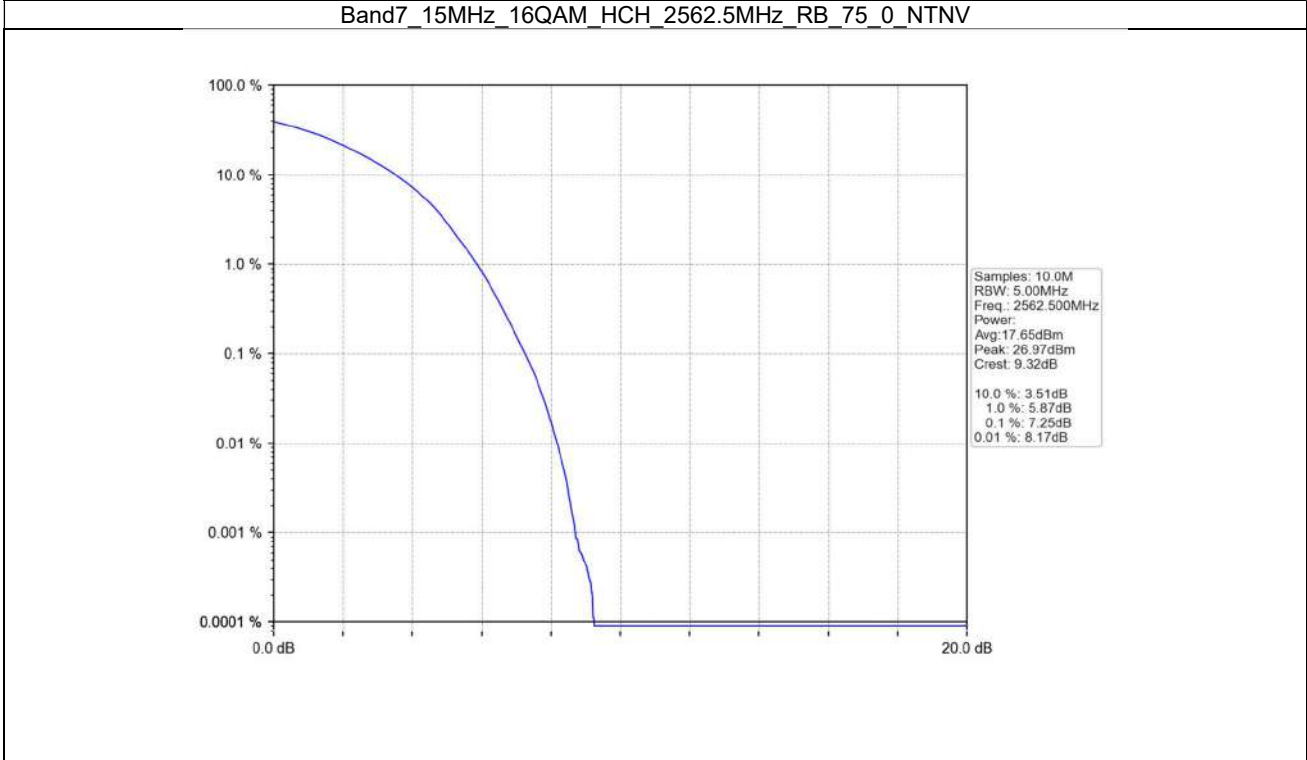
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## 5.4 B7\_20MHz

### 5.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	100	0	7.06	<=13	Pass
	2535	100	0	7.20	<=13	Pass
	2560	100	0	7.17	<=13	Pass
16QAM	2510	100	0	7.46	<=13	Pass
	2535	100	0	7.54	<=13	Pass
	2560	100	0	7.56	<=13	Pass

### 5.4.2 Test Graph

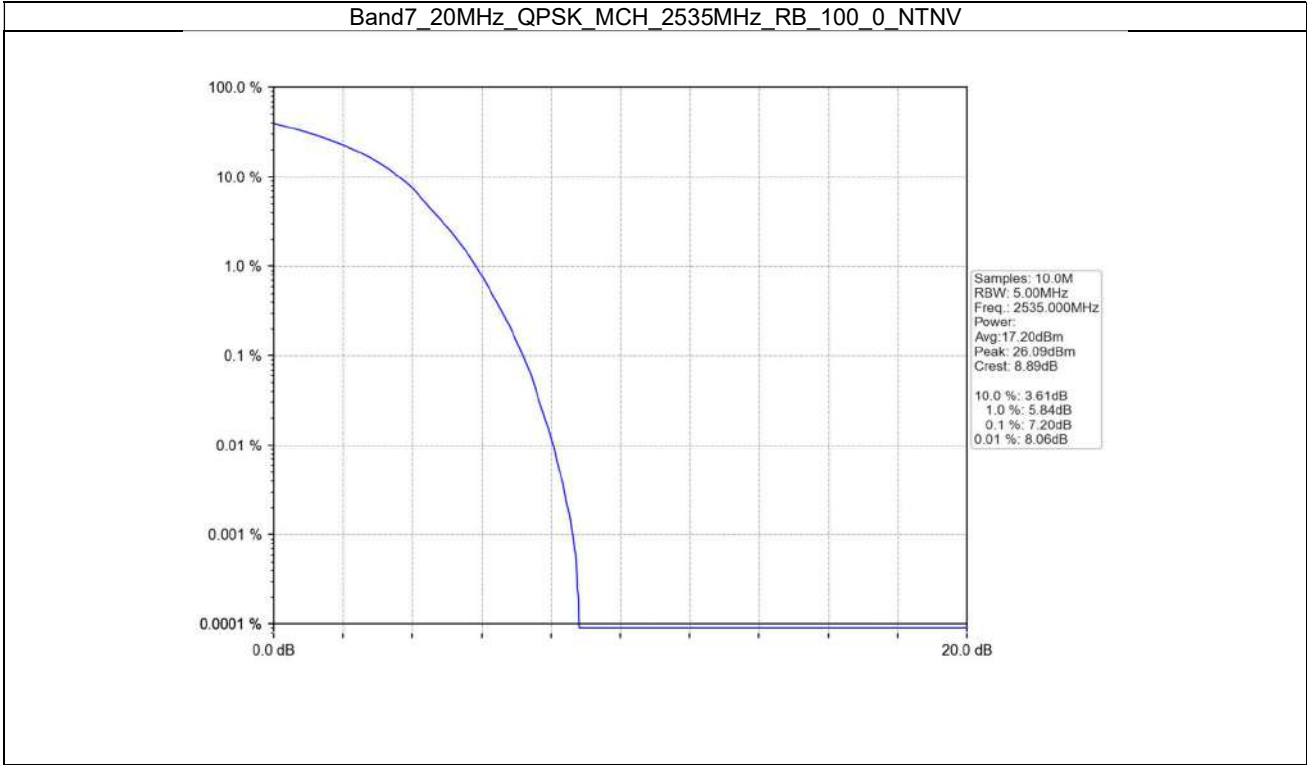


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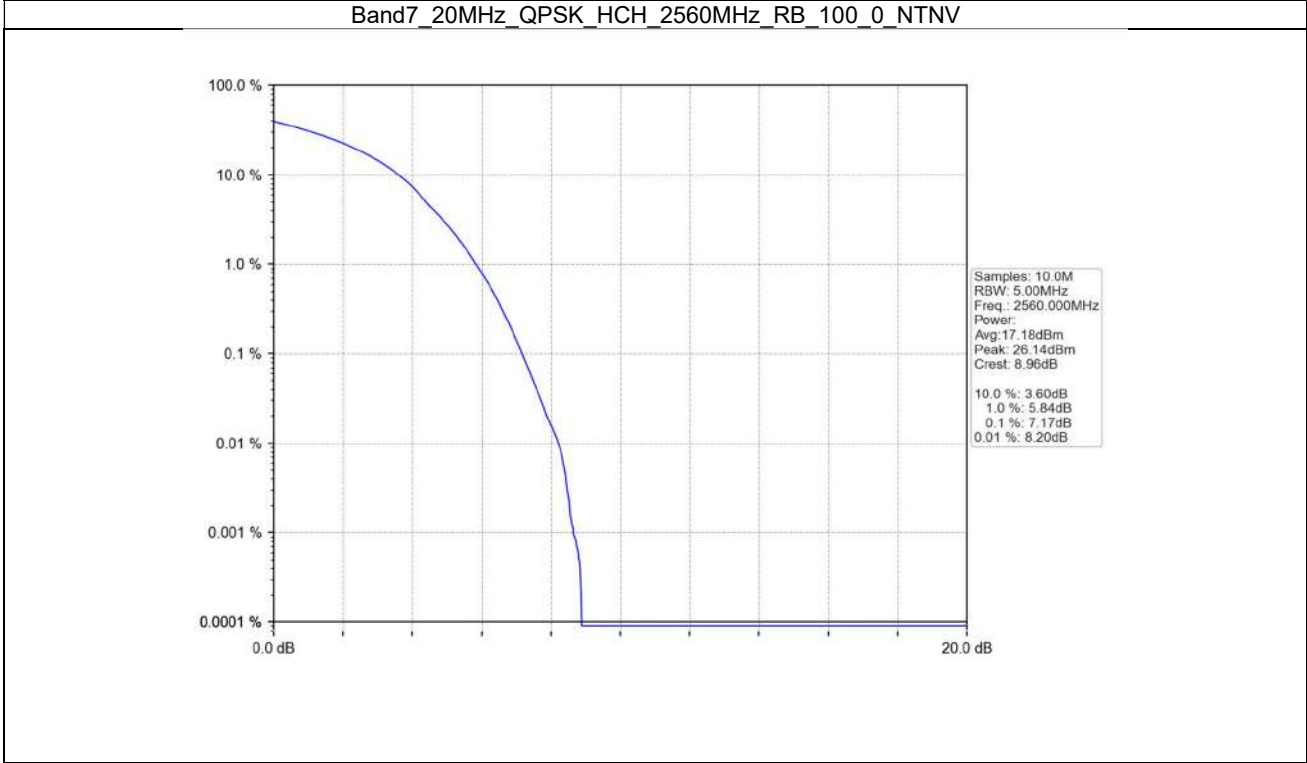
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Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_100\_0\_NTNV



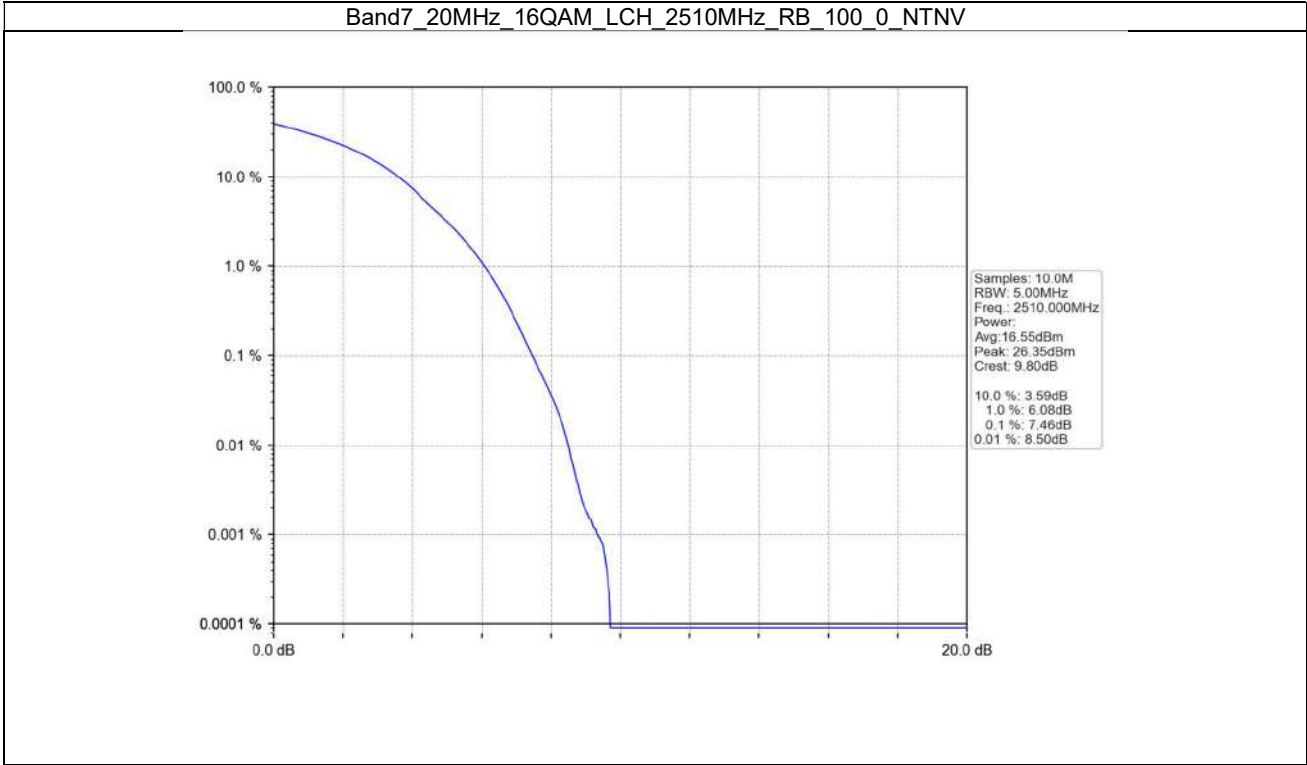
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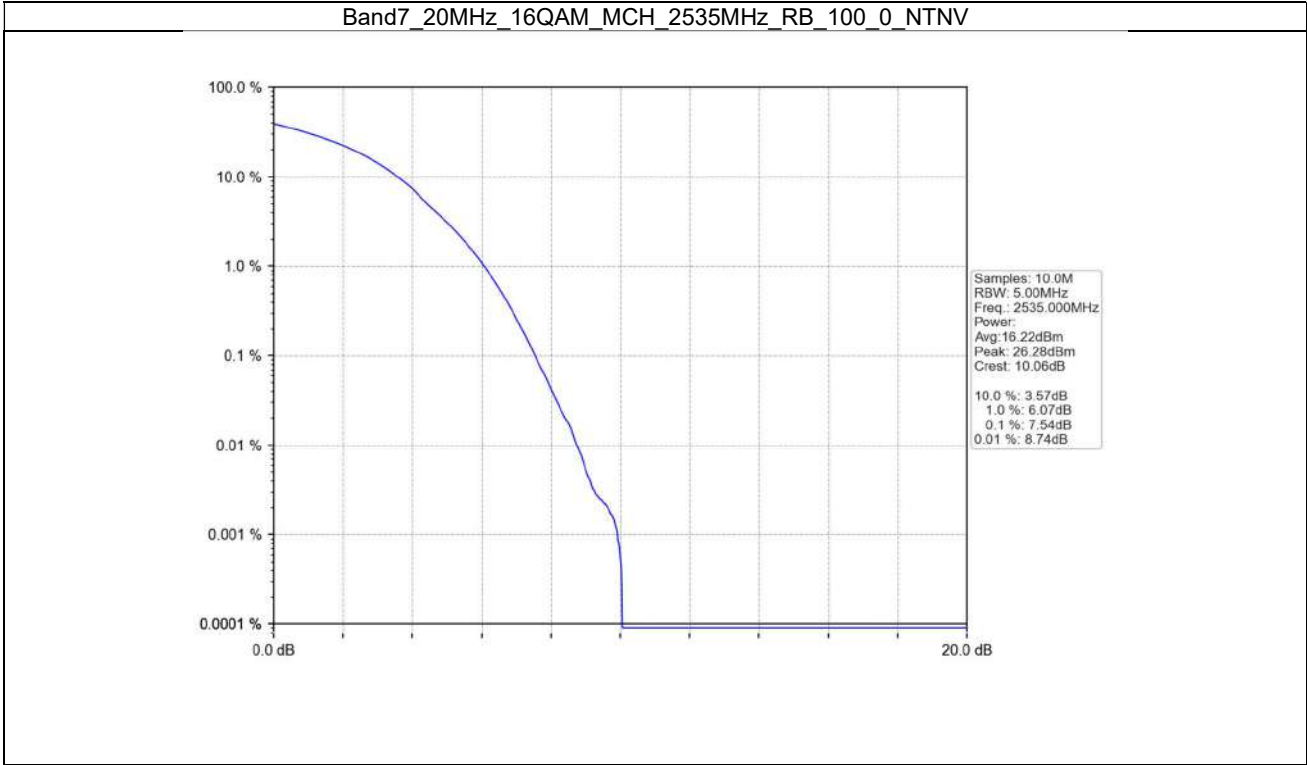
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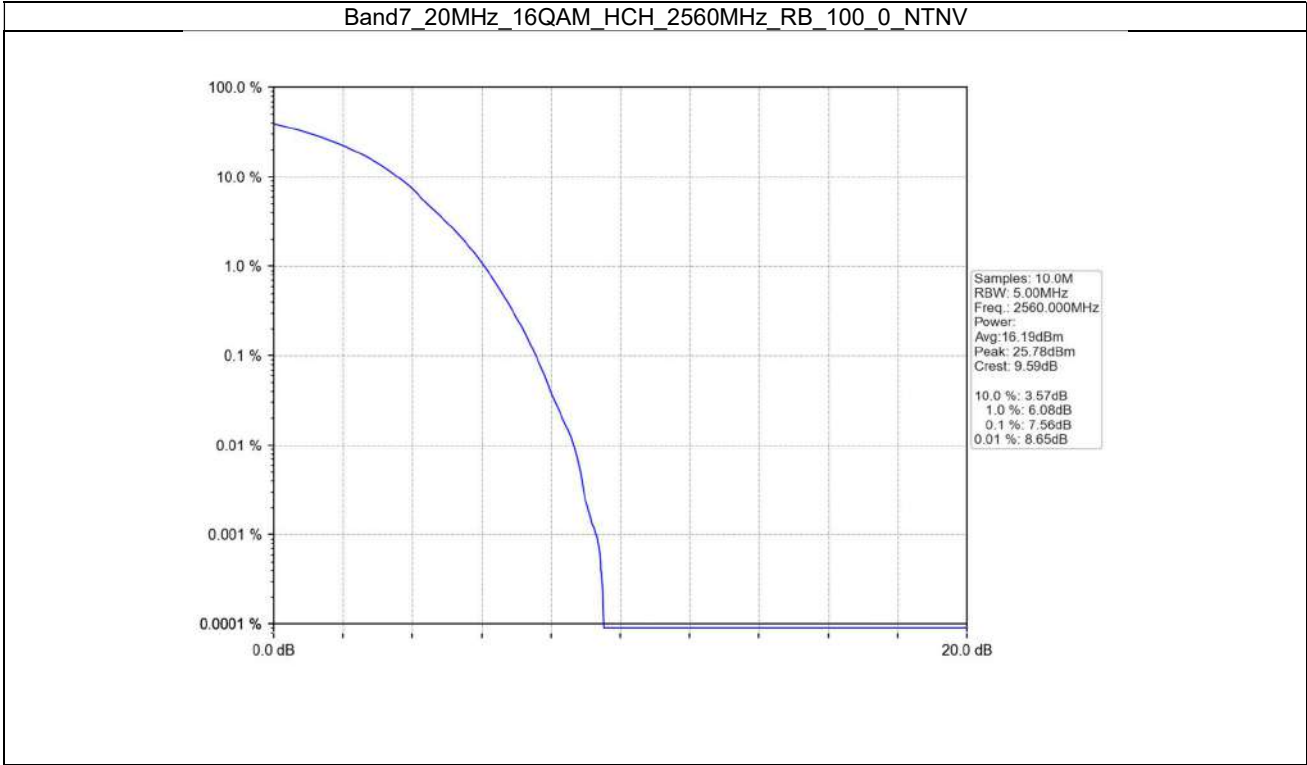
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## 6. Spurious Emission

### 6.1 B7\_5MHz

#### 6.1.1 Test Result

Band: 7 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2567.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	2502.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	2567.5	1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass

Remark1: For the averaged unwanted emissions measurements, the measurement points in each sweep is greater than twice the Span/RBW in order to ensure bin-to-bin spacing of  $< RBW/2$  so that narrowband signals are not lost between frequency bins. As to the present test item, the "Measurement Points =  $k * (Span / RBW)$ " with  $k$  between 4 and 5, which results in an acceptable level error of less than 0.5 dB.

Remark2: only the worst case data displayed in this report.



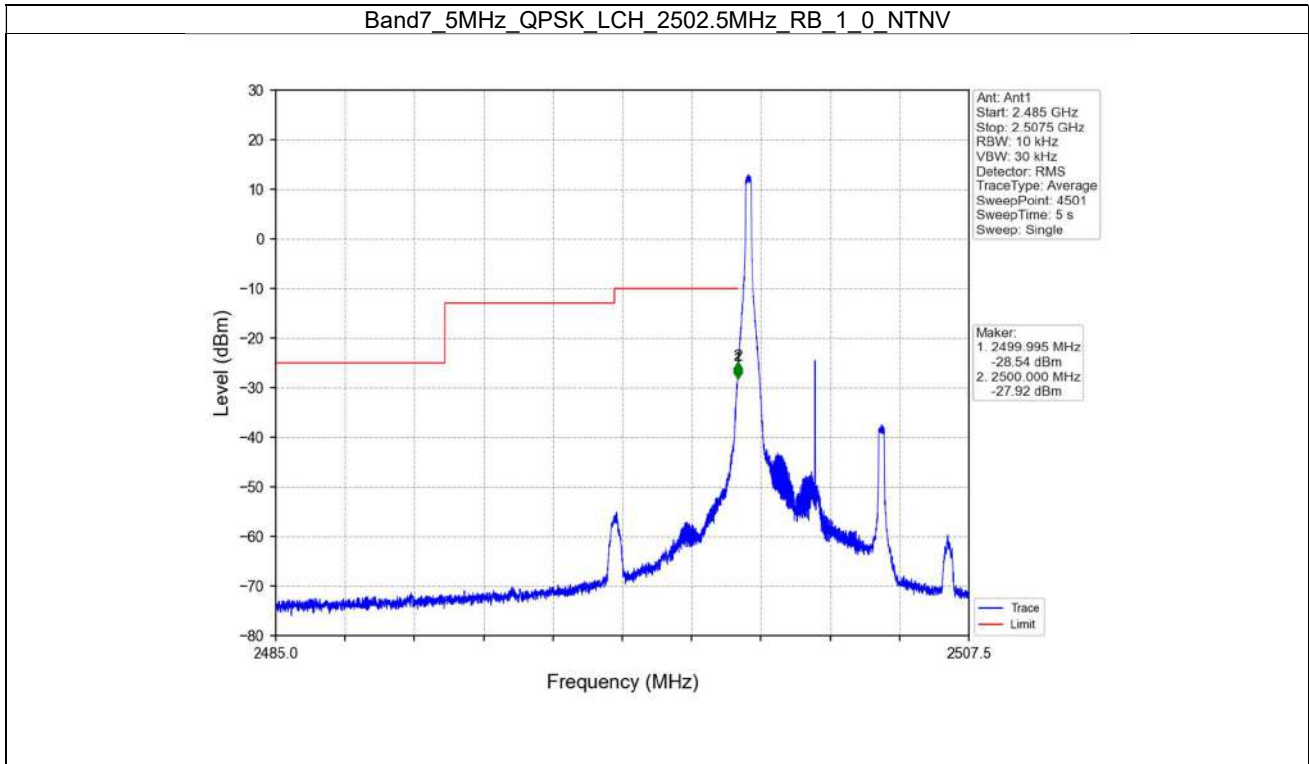
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6.1.2 Test Graph

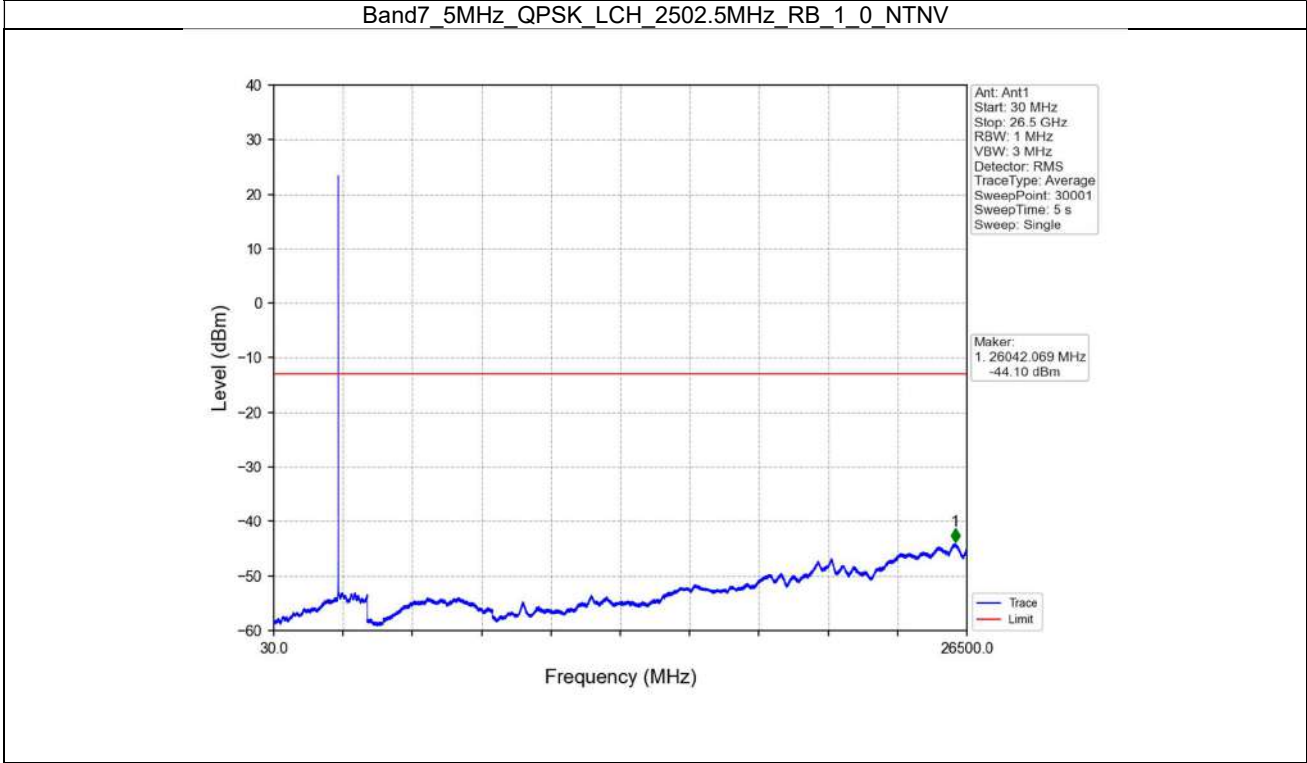


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Band7\_5MHz\_QPSK\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



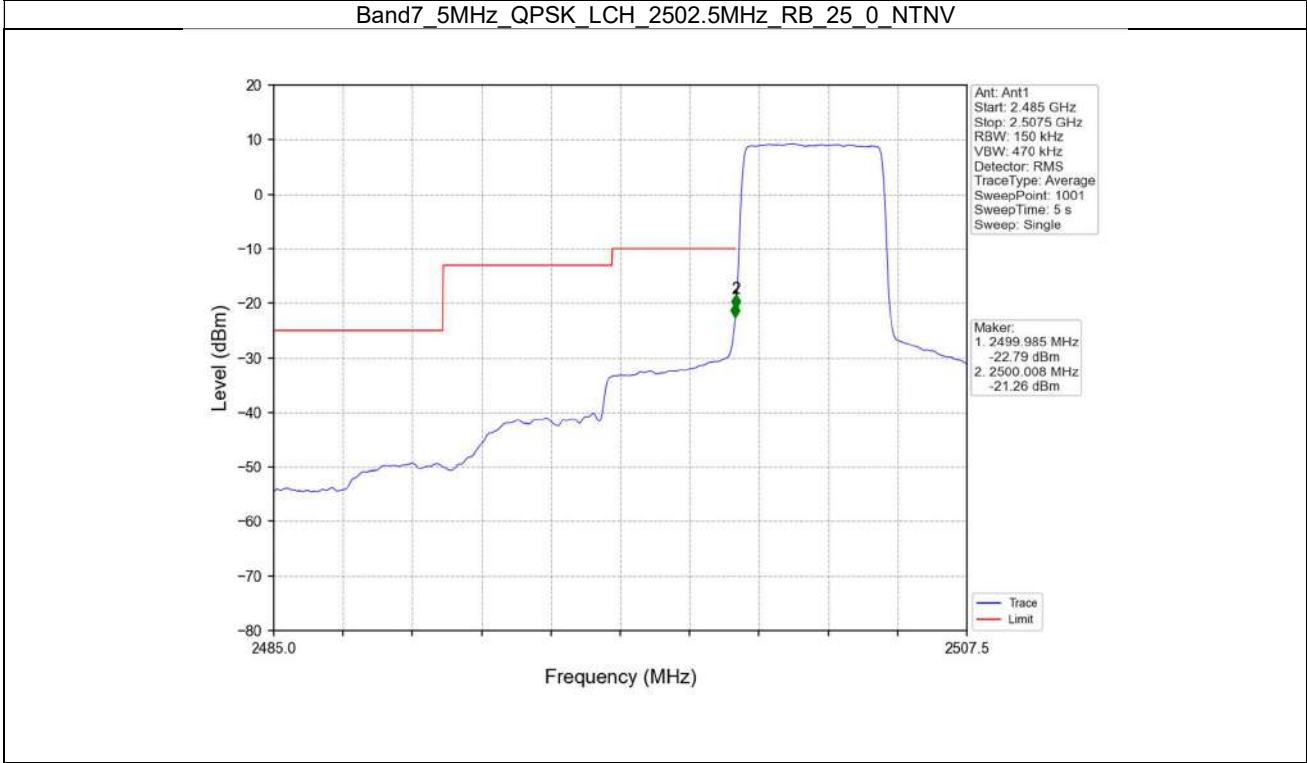
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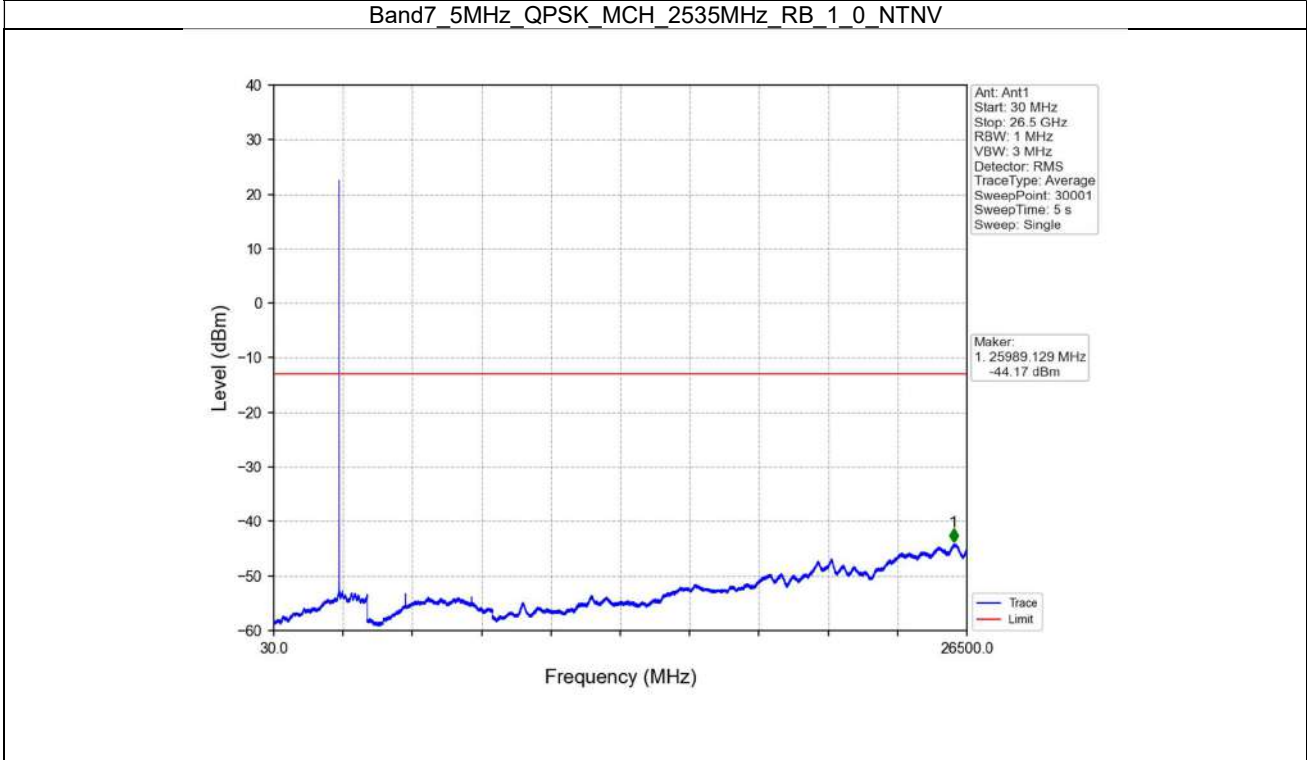
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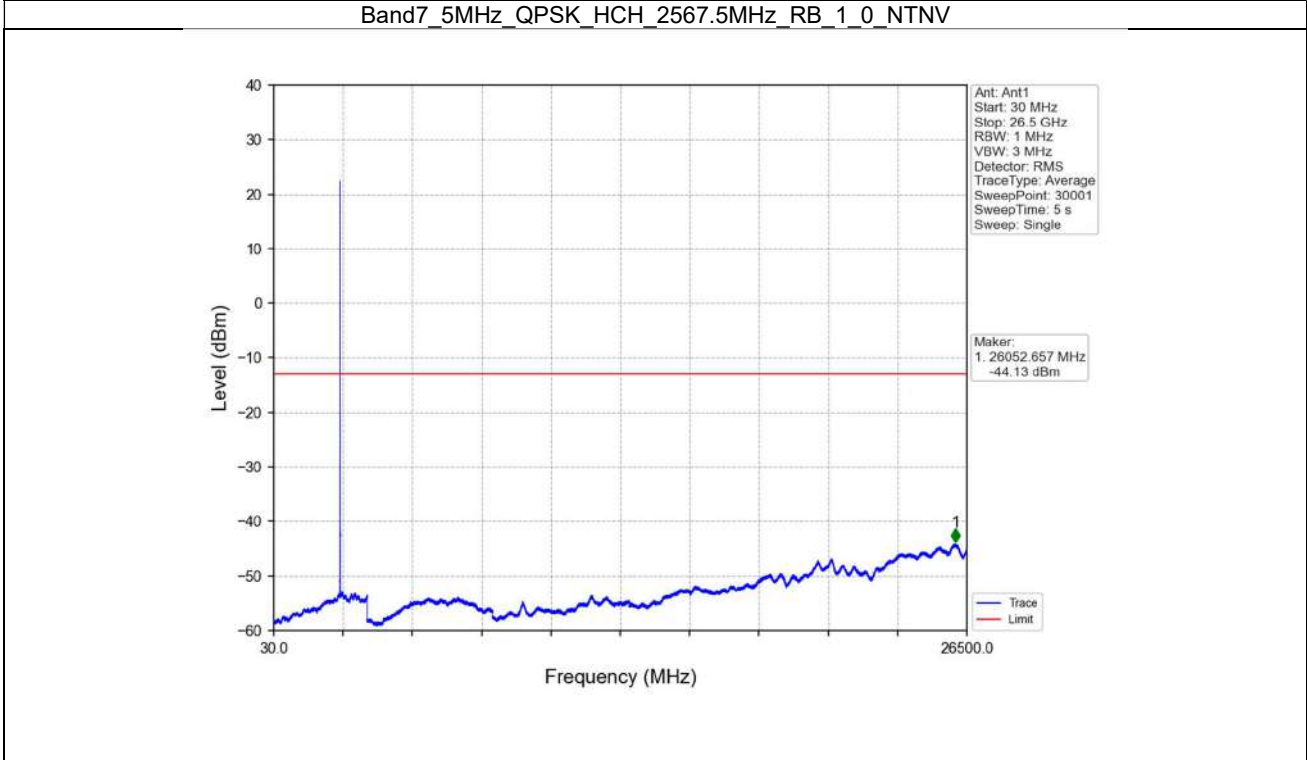


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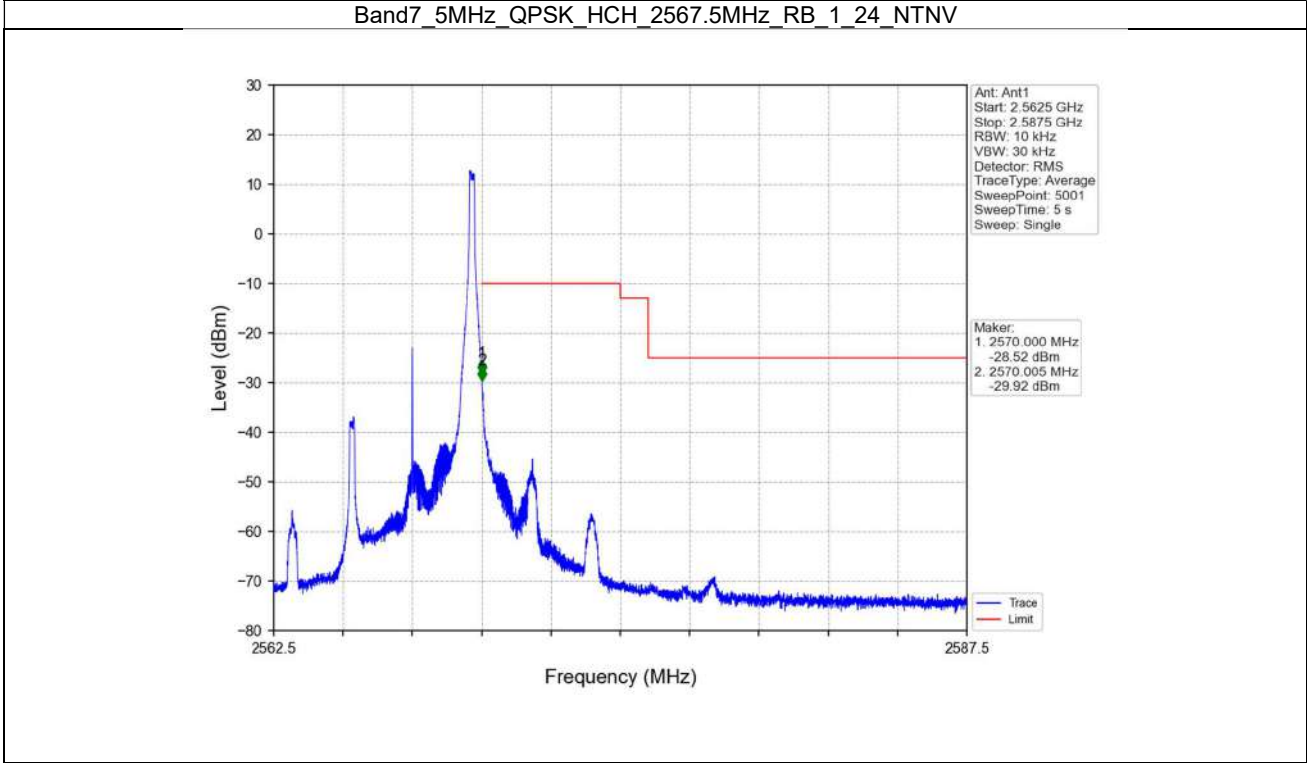
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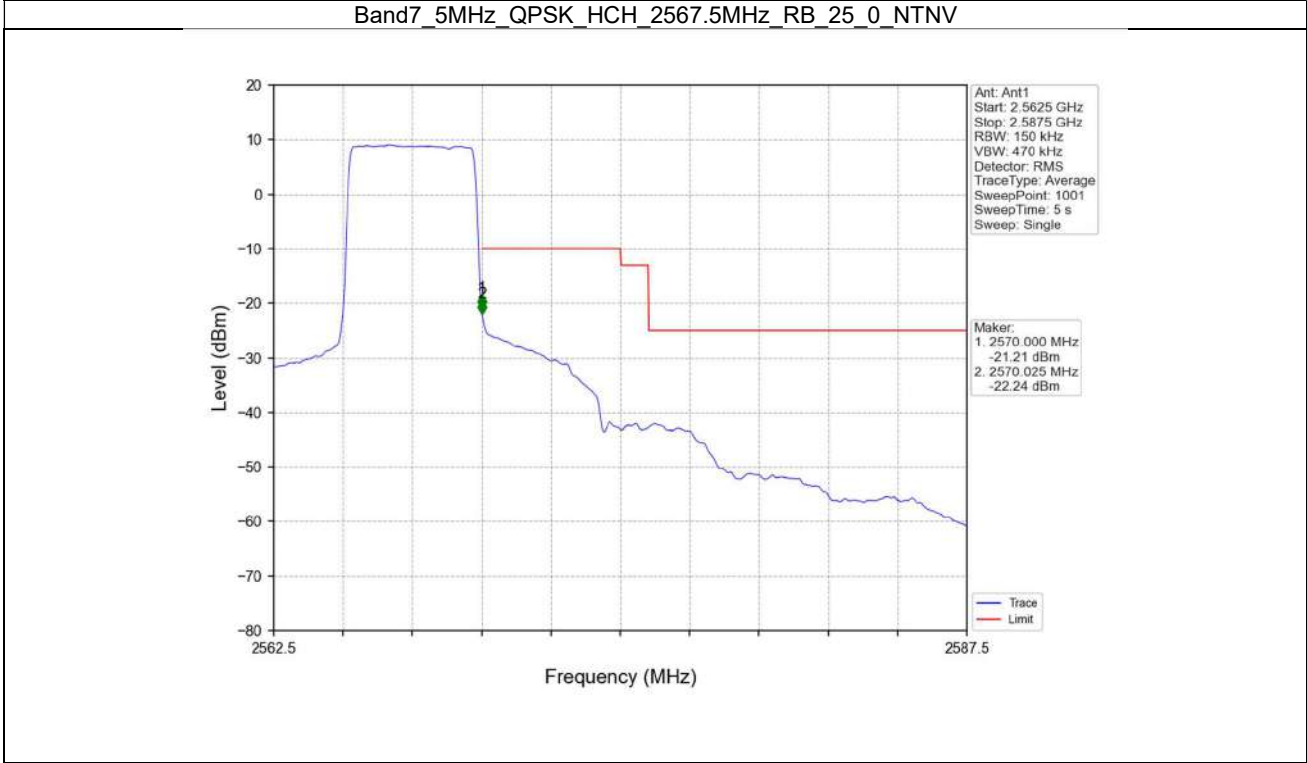
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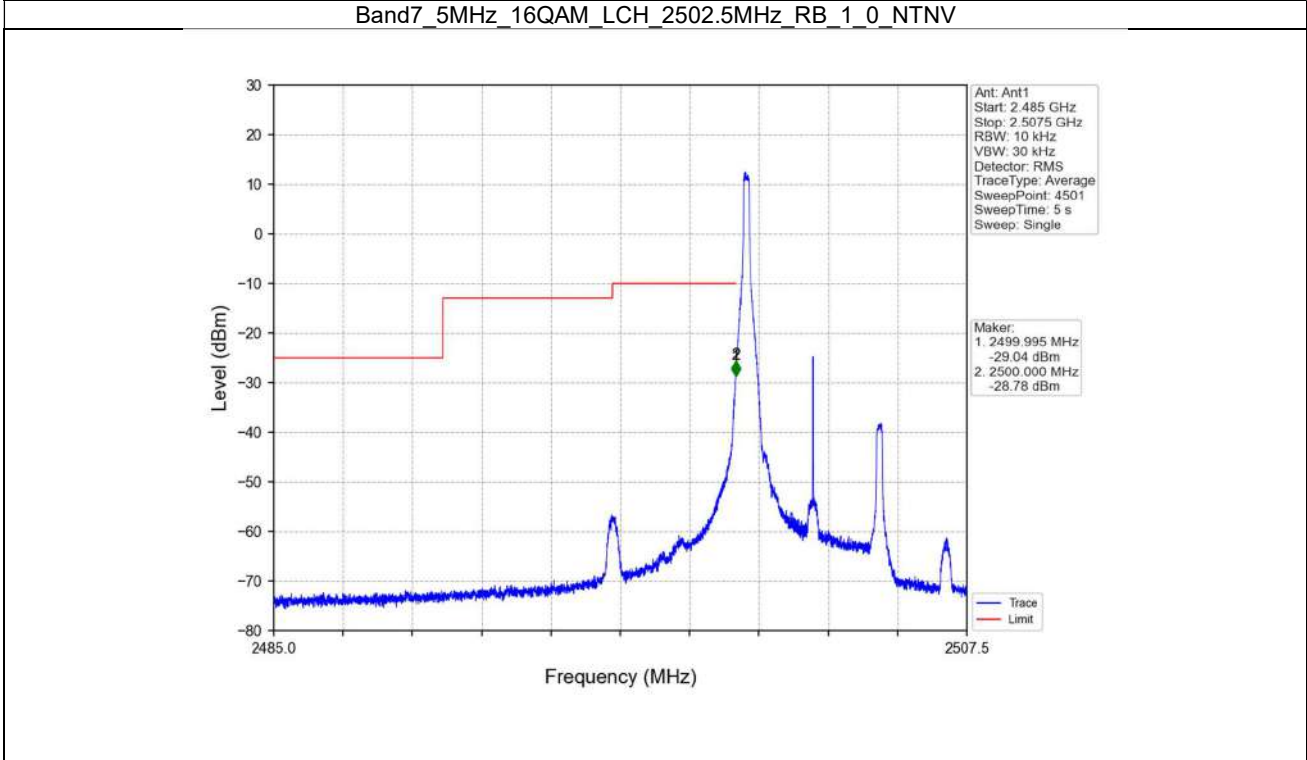
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Band7\_5MHz\_16QAM\_LCH\_2502.5MHz\_RB\_1\_0\_NTNV



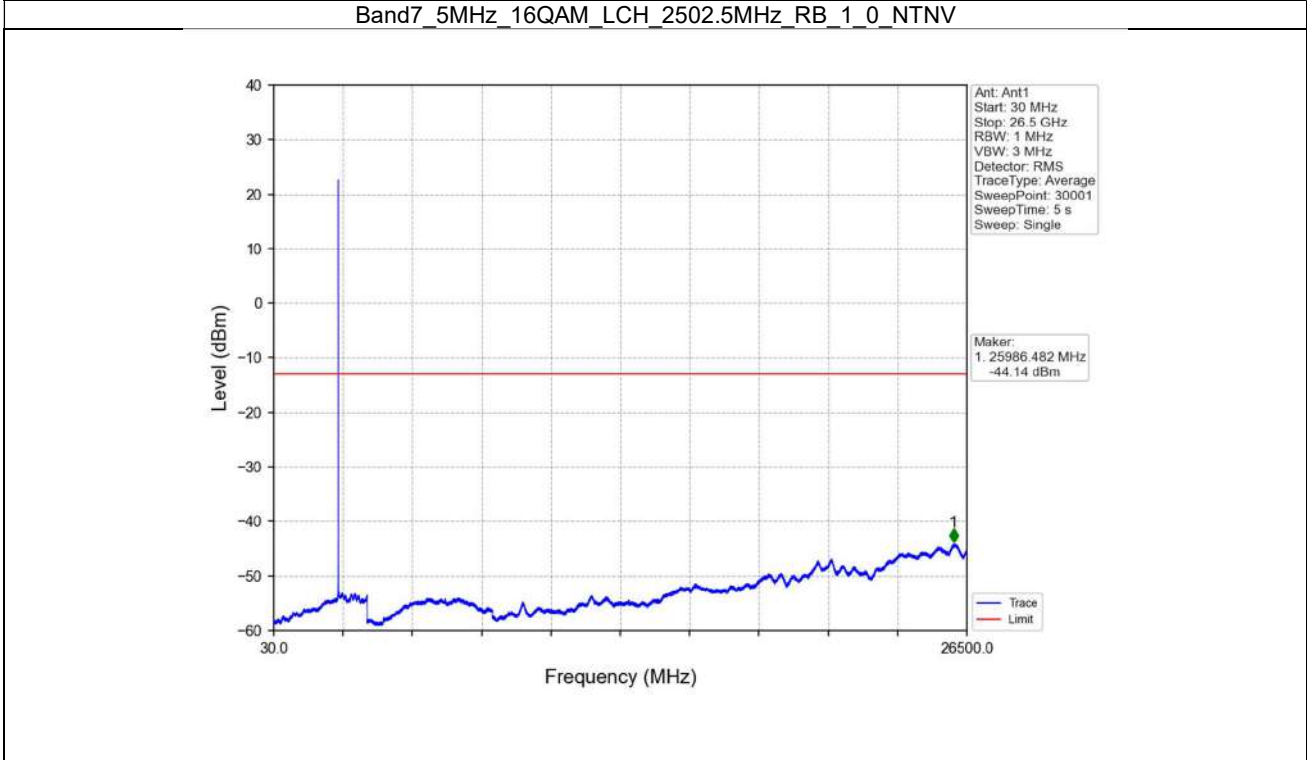
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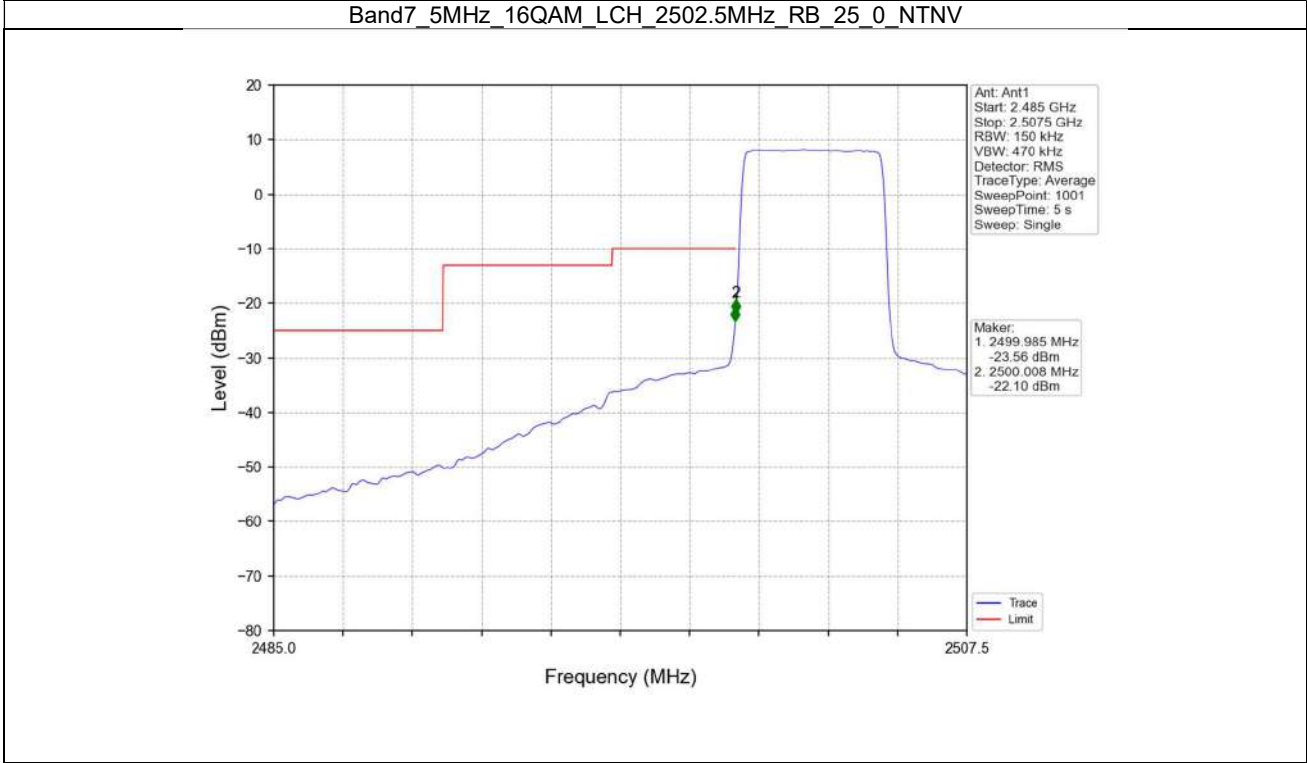


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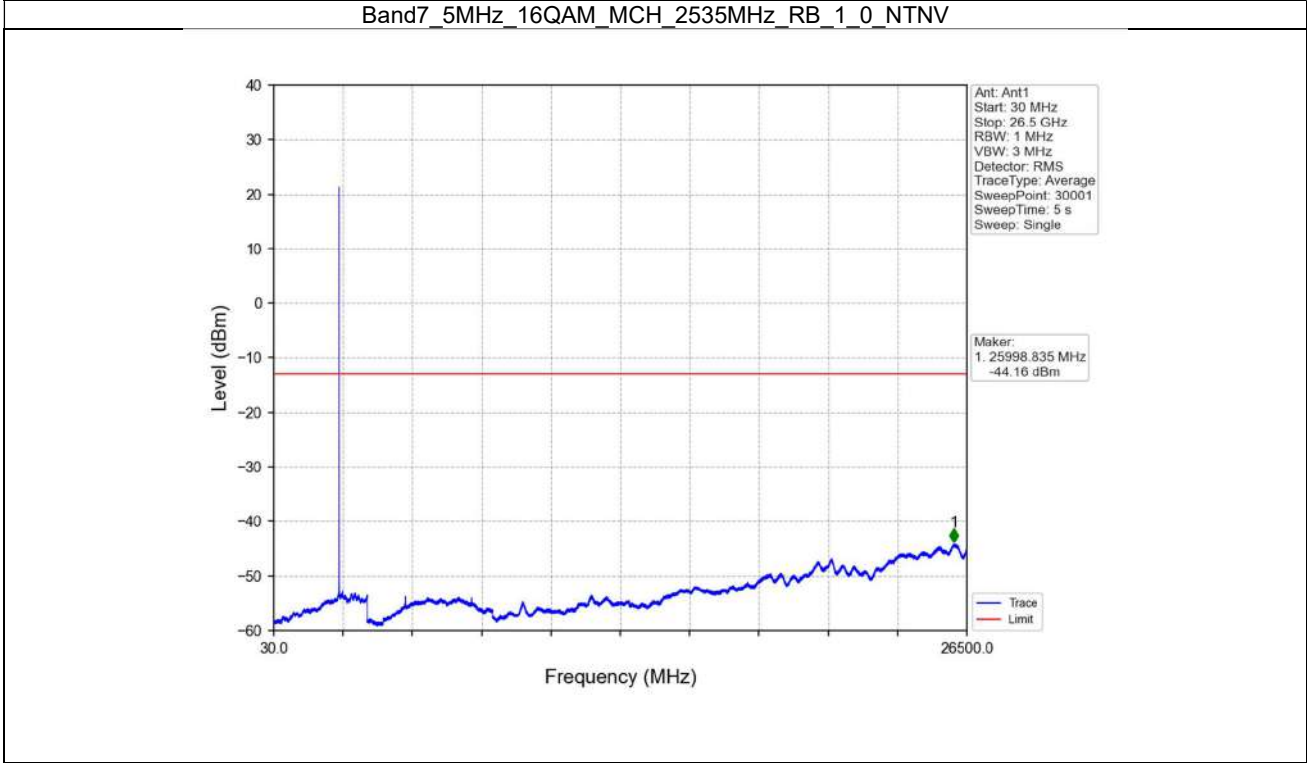
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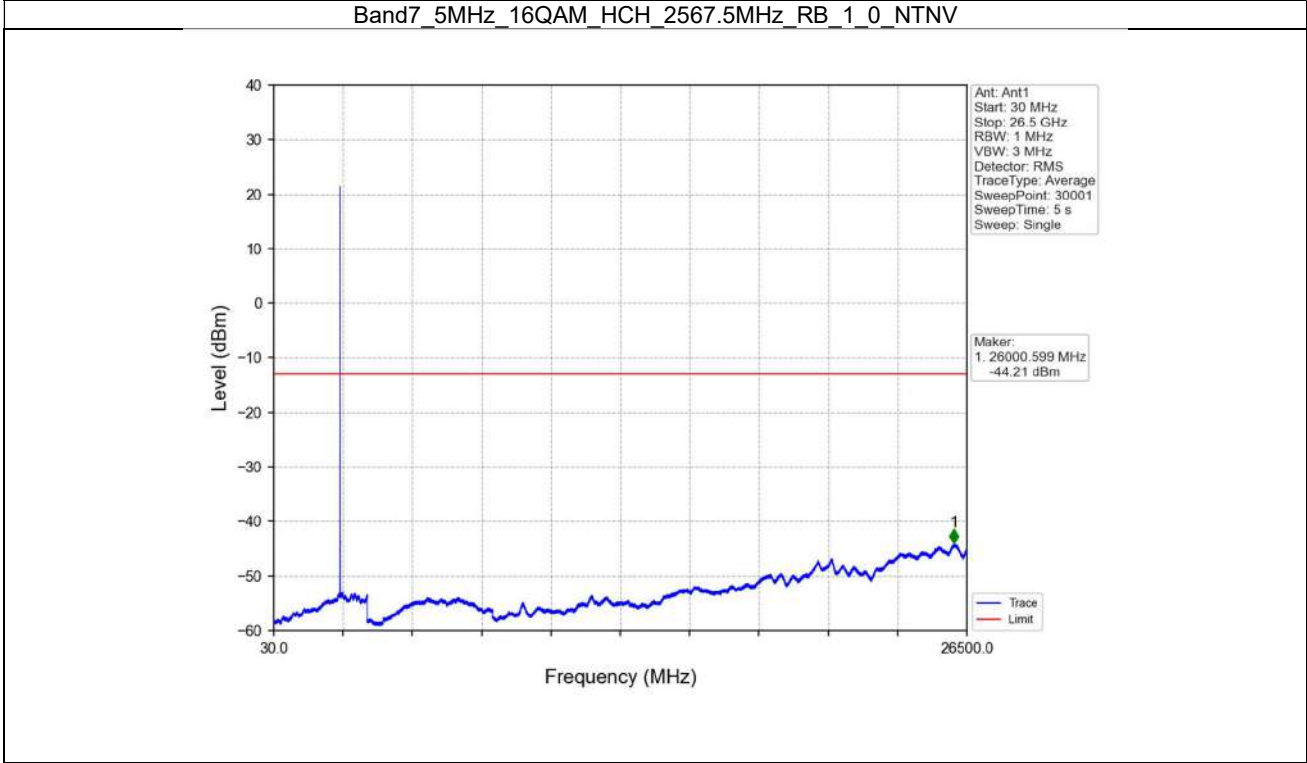
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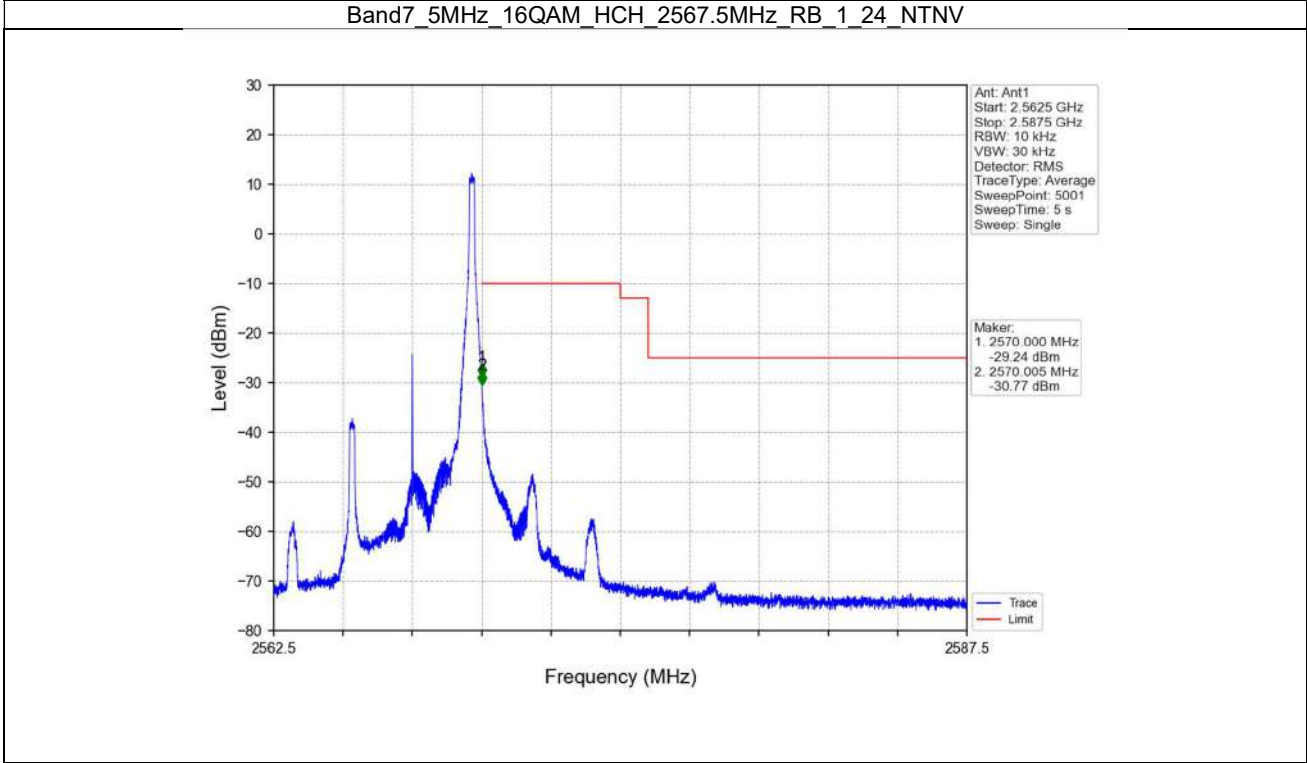
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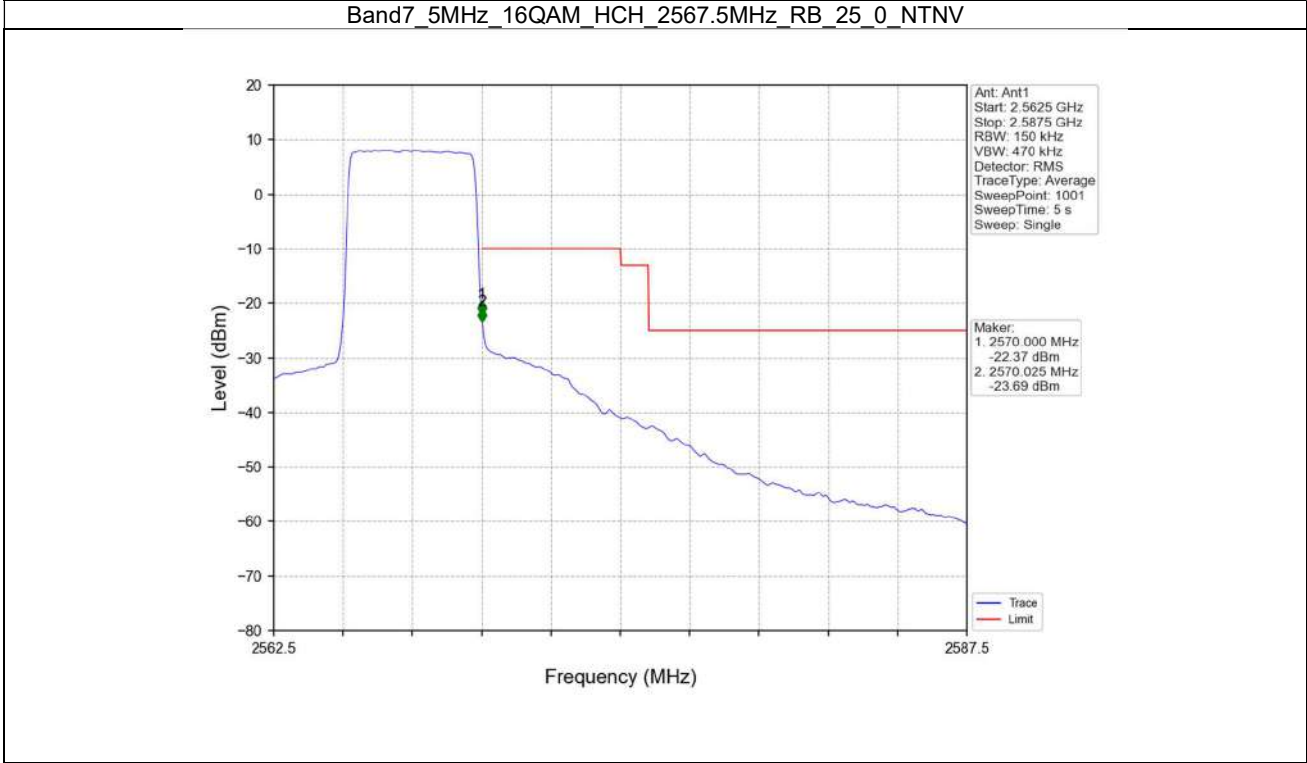
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## 6.2 B7\_10MHz

### 6.2.1 Test Result

Band: 7 / Bandwidth: 10MHz / NTV							
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict	
		Size	Offset	Result	Limit		
QPSK	2505	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	2565	1	0	Refer To Test Graph		Pass	
		50	0	49	Refer To Test Graph		Pass
			0	0	Refer To Test Graph		Pass
16QAM	2505	1	0	Refer To Test Graph		Pass	
		50	0	Refer To Test Graph		Pass	
	2535	1	0	Refer To Test Graph		Pass	
		0	0	Refer To Test Graph		Pass	
	2565	1	0	49	Refer To Test Graph		Pass
			49	0	Refer To Test Graph		Pass
		50	0	Refer To Test Graph		Pass	



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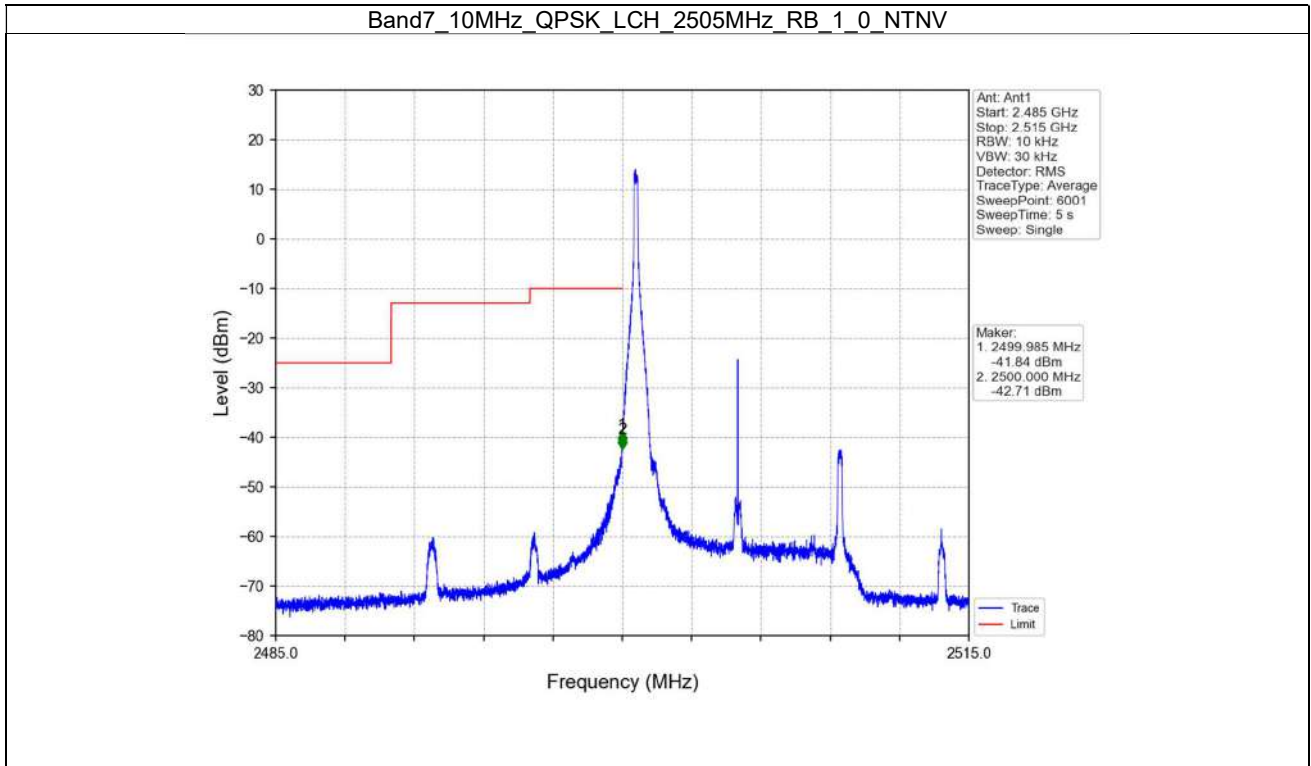
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### 6.2.2 Test Graph



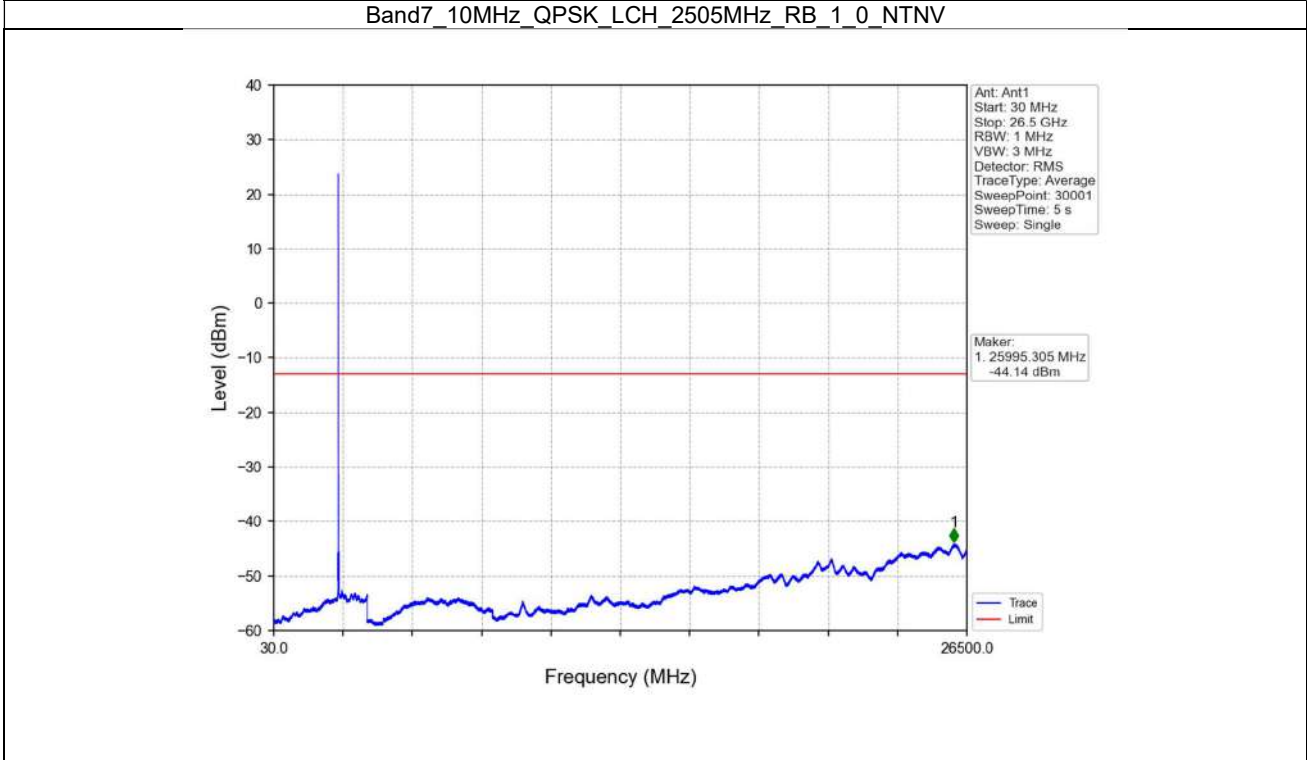
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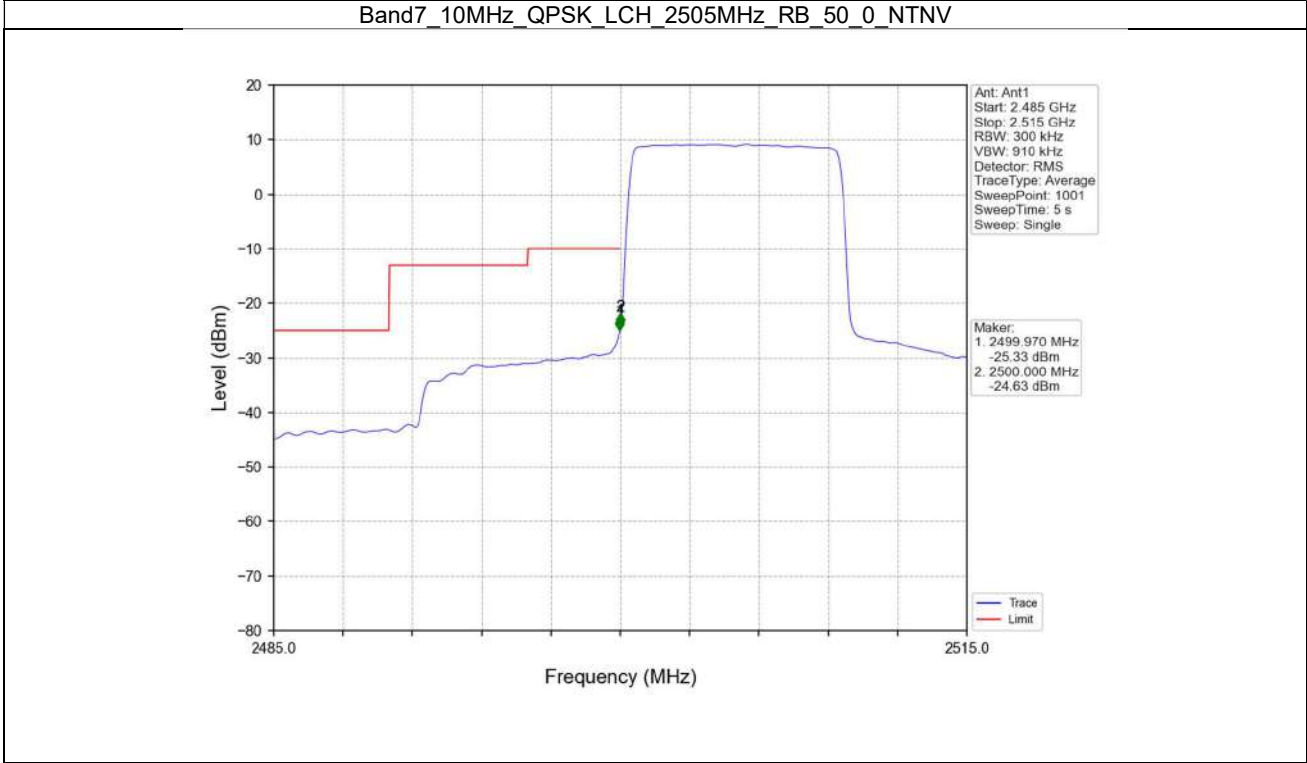
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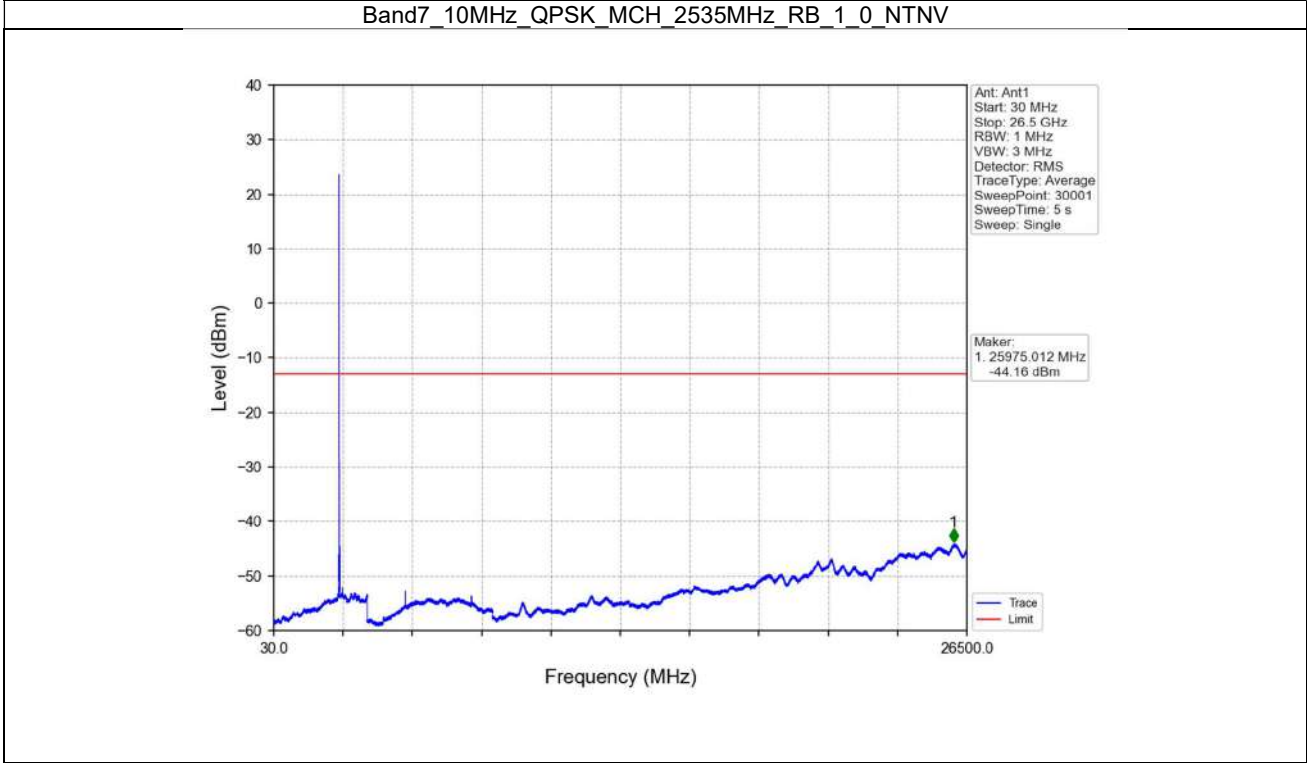
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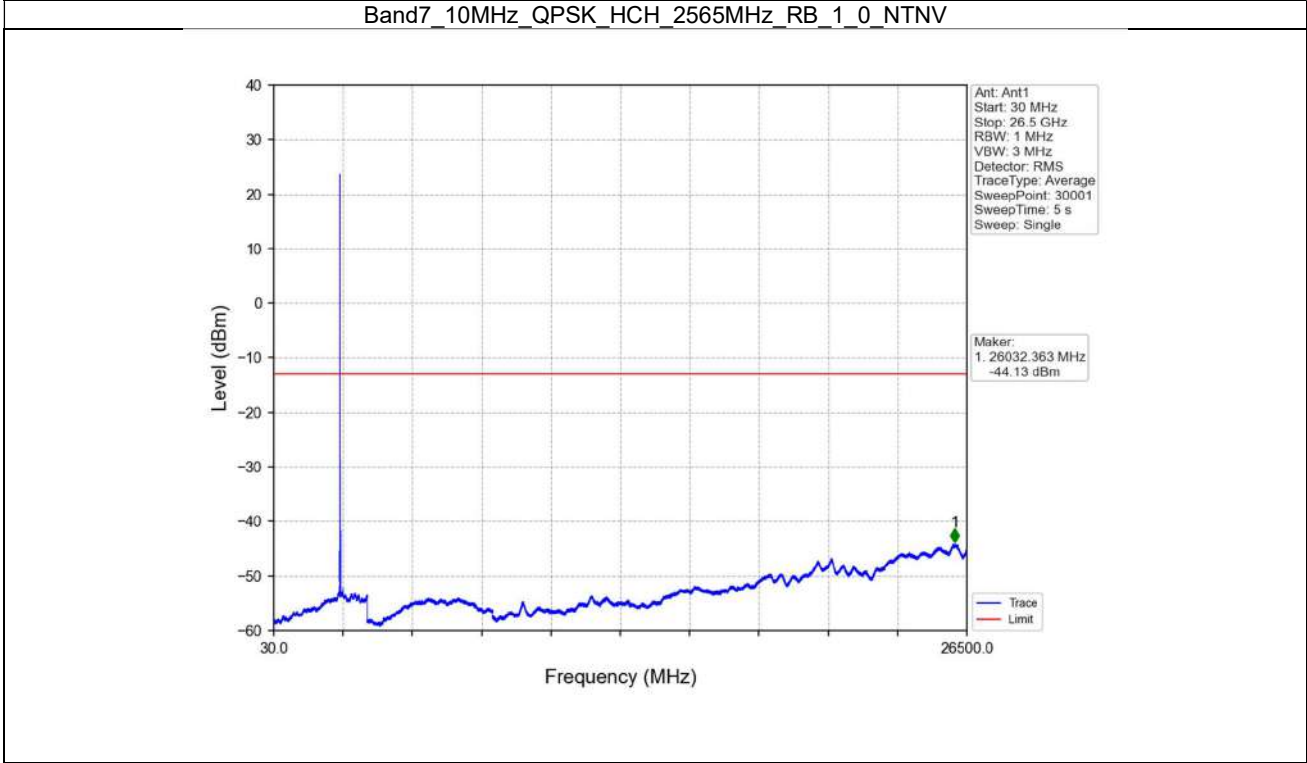


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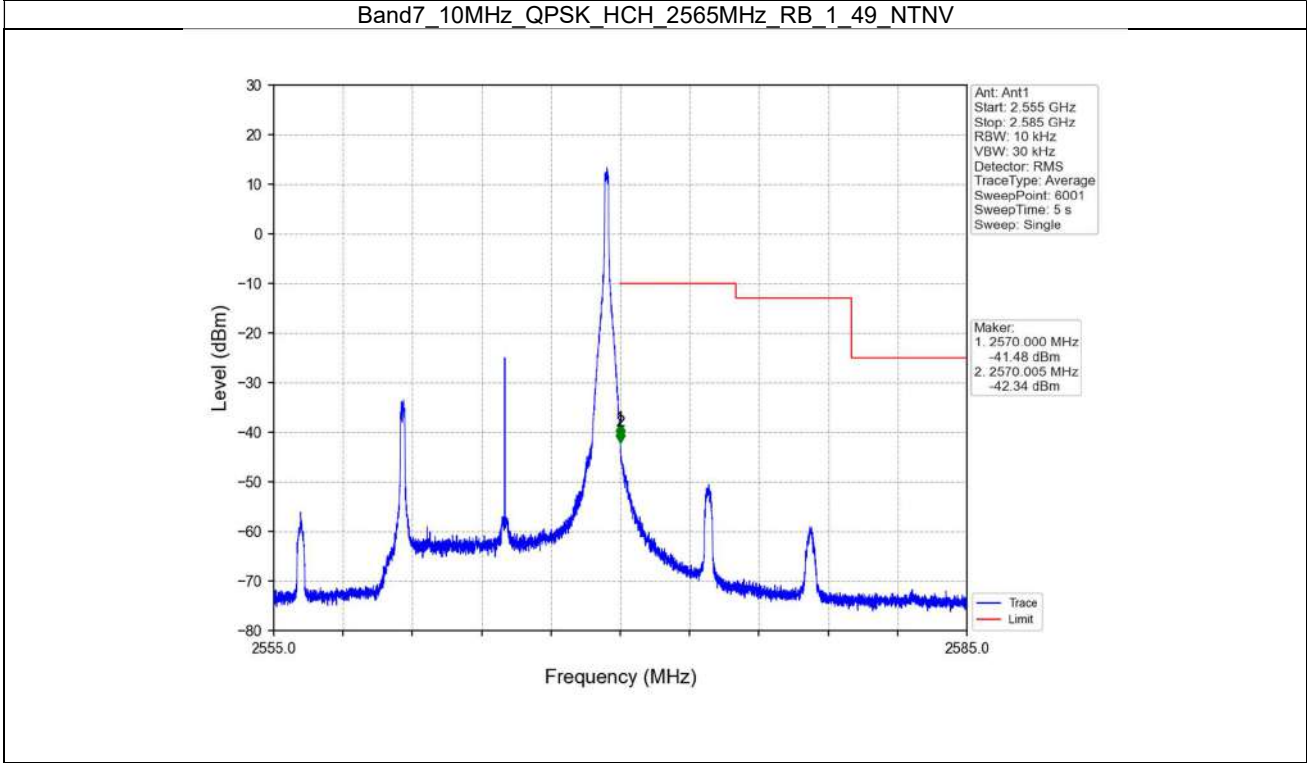
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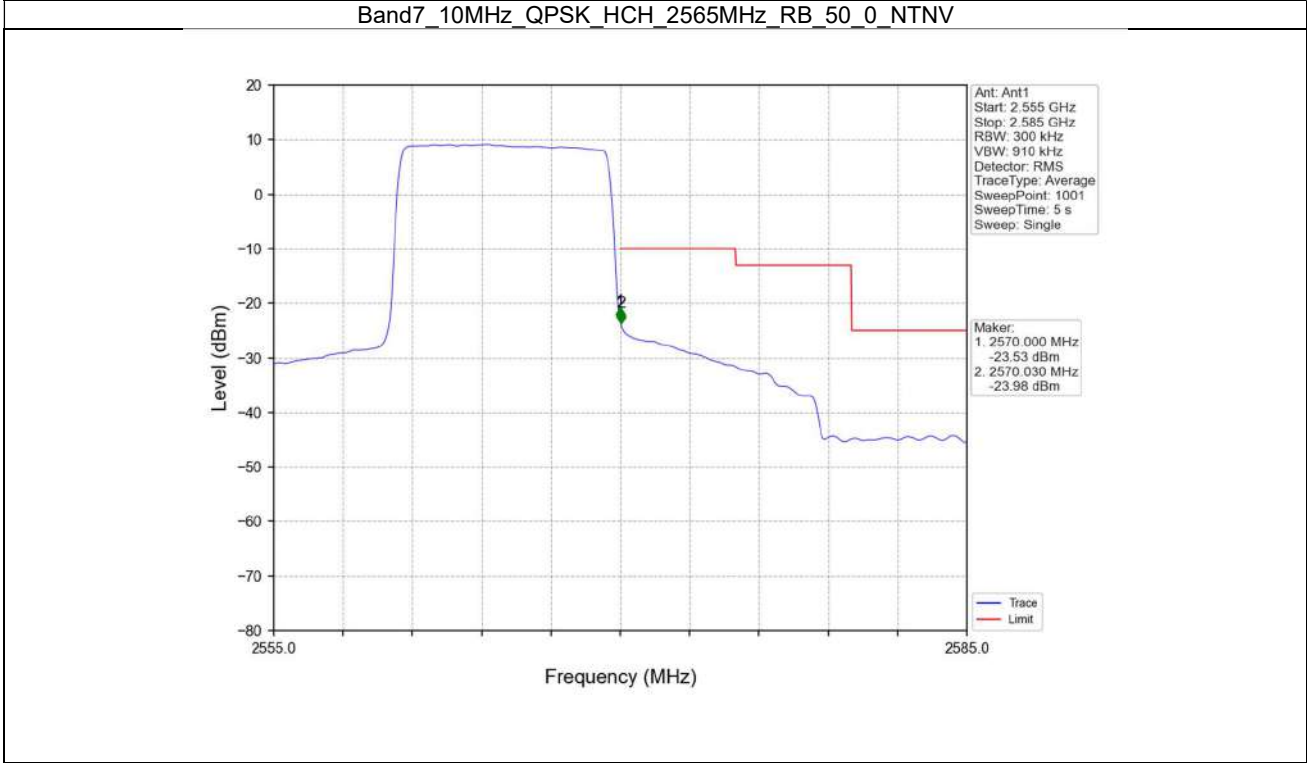
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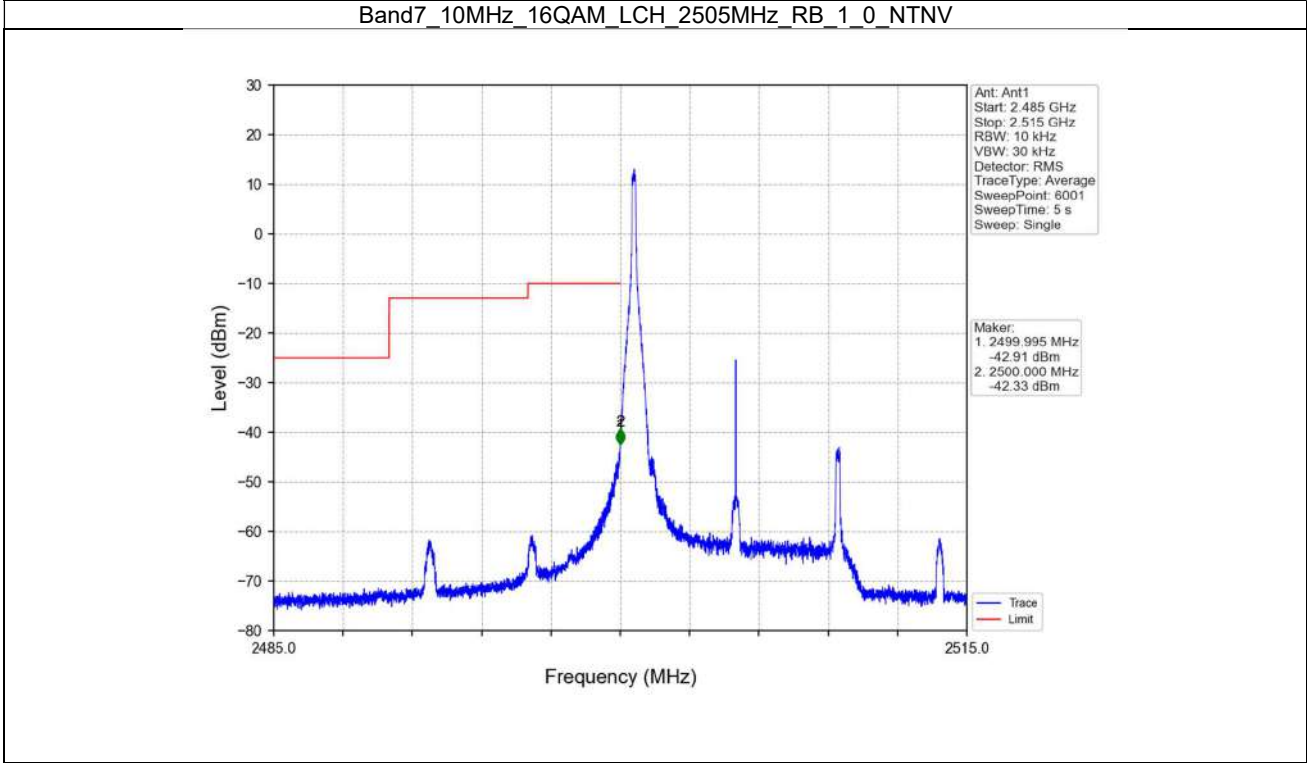


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Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_1\_0\_NTNV



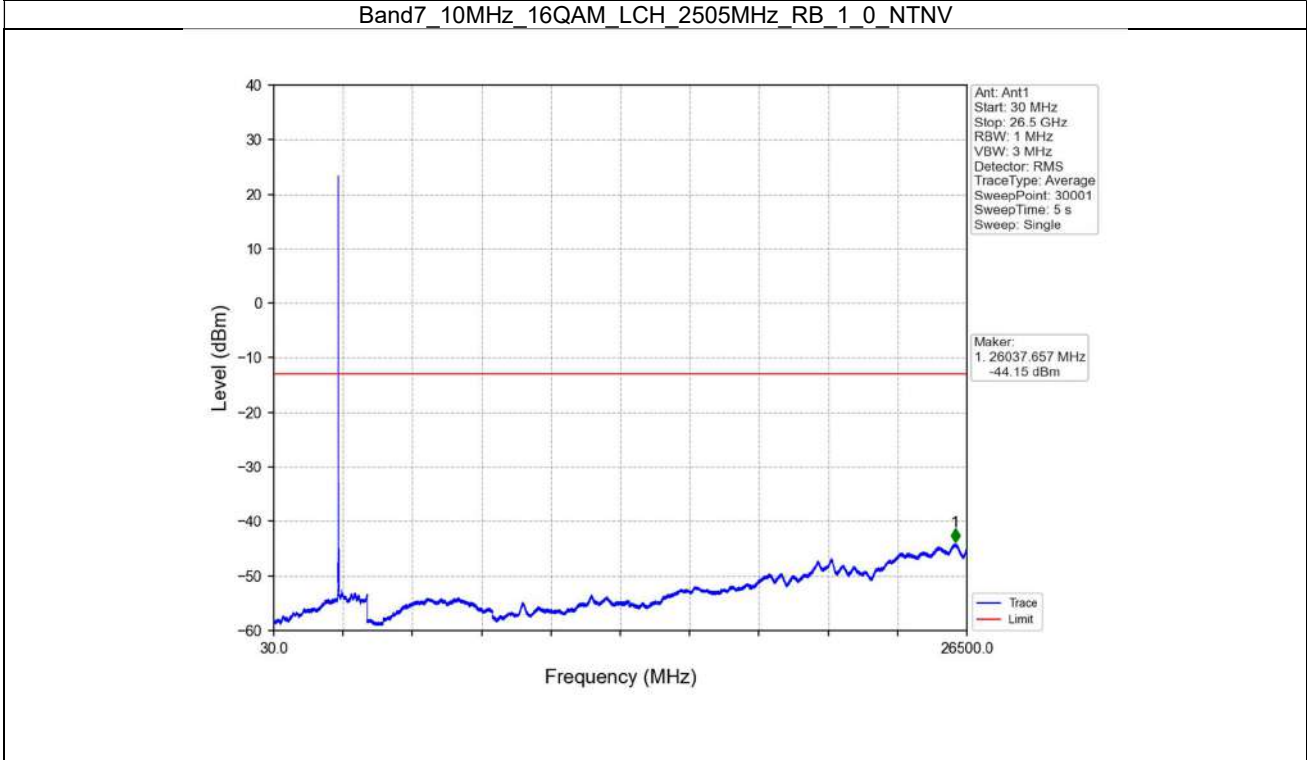
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Band7\_10MHz\_16QAM\_LCH\_2505MHz\_RB\_1\_0\_NTNV

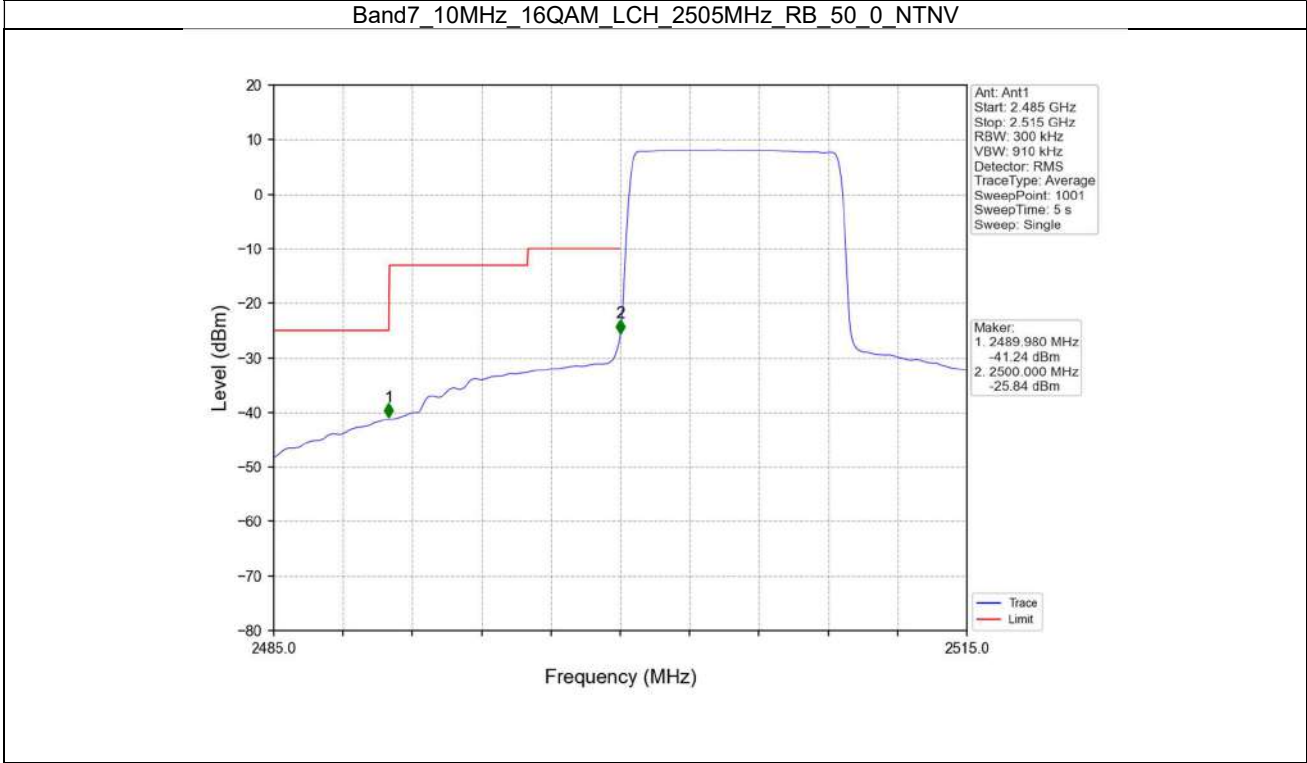


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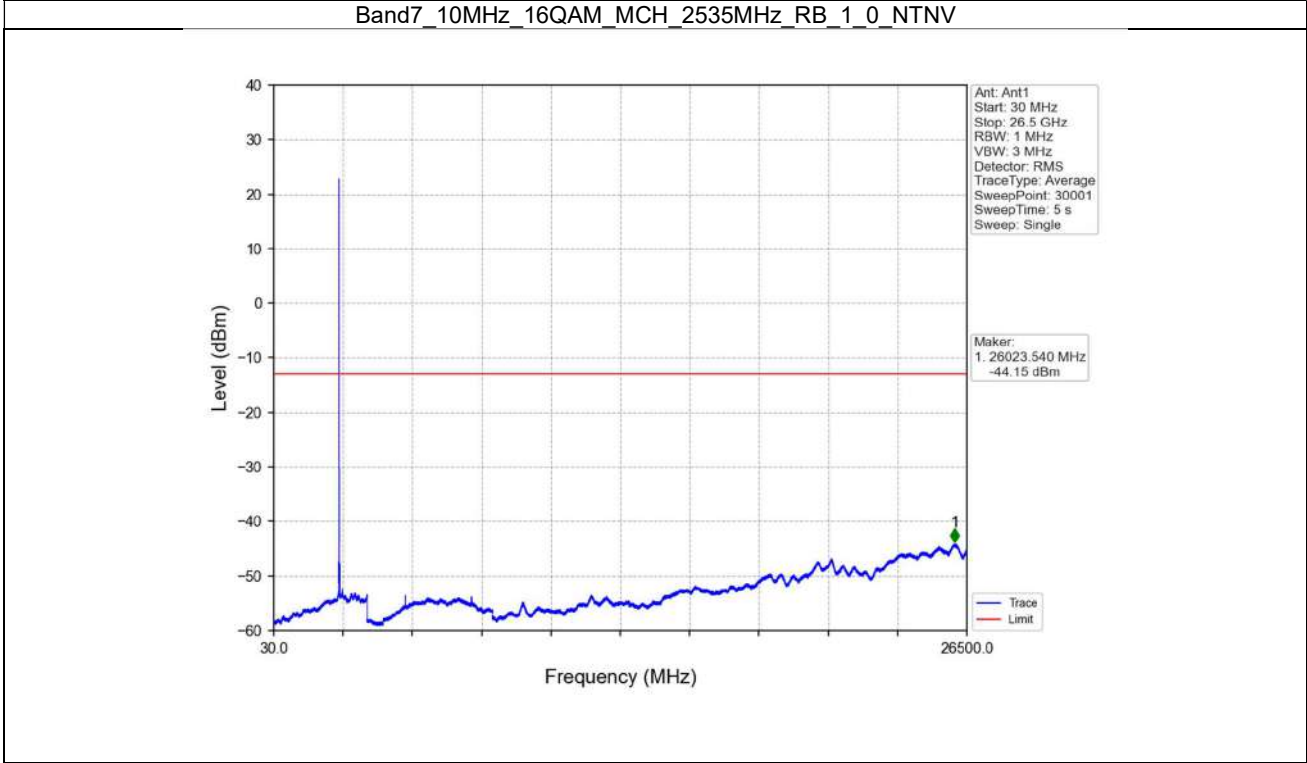
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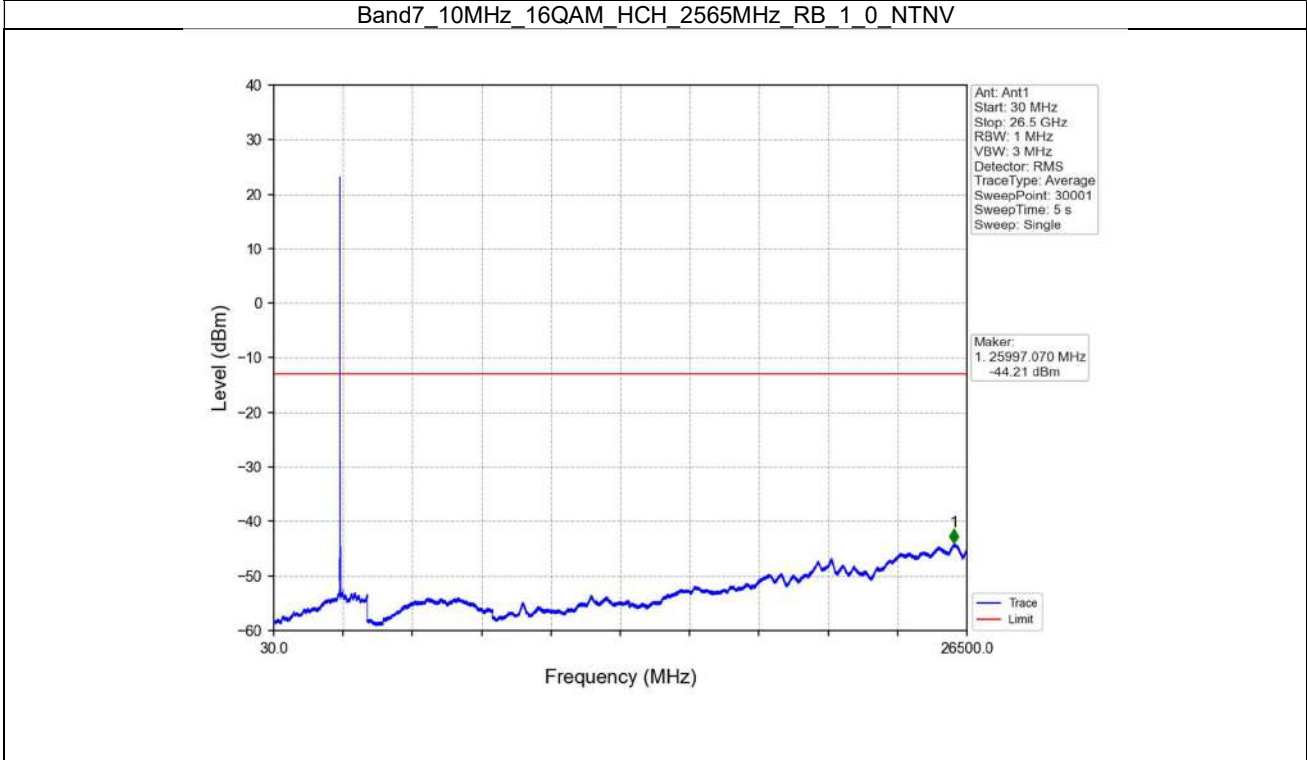
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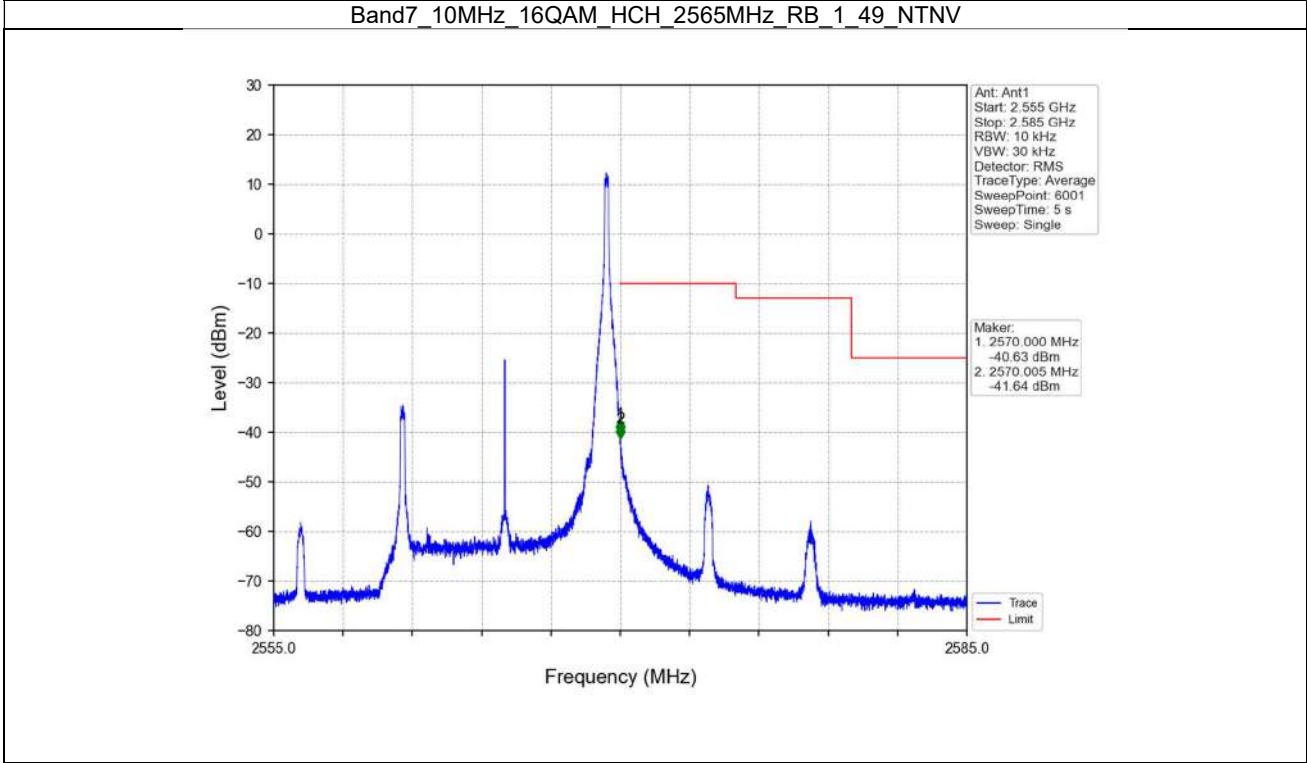
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6.3 B7\_15MHz

6.3.1 Test Result

Band: 7 / Bandwidth: 15MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
16QAM	2507.5	1	0	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass
	2562.5	1	0	Refer To Test Graph		Pass
			74	Refer To Test Graph		Pass
		75	0	Refer To Test Graph		Pass



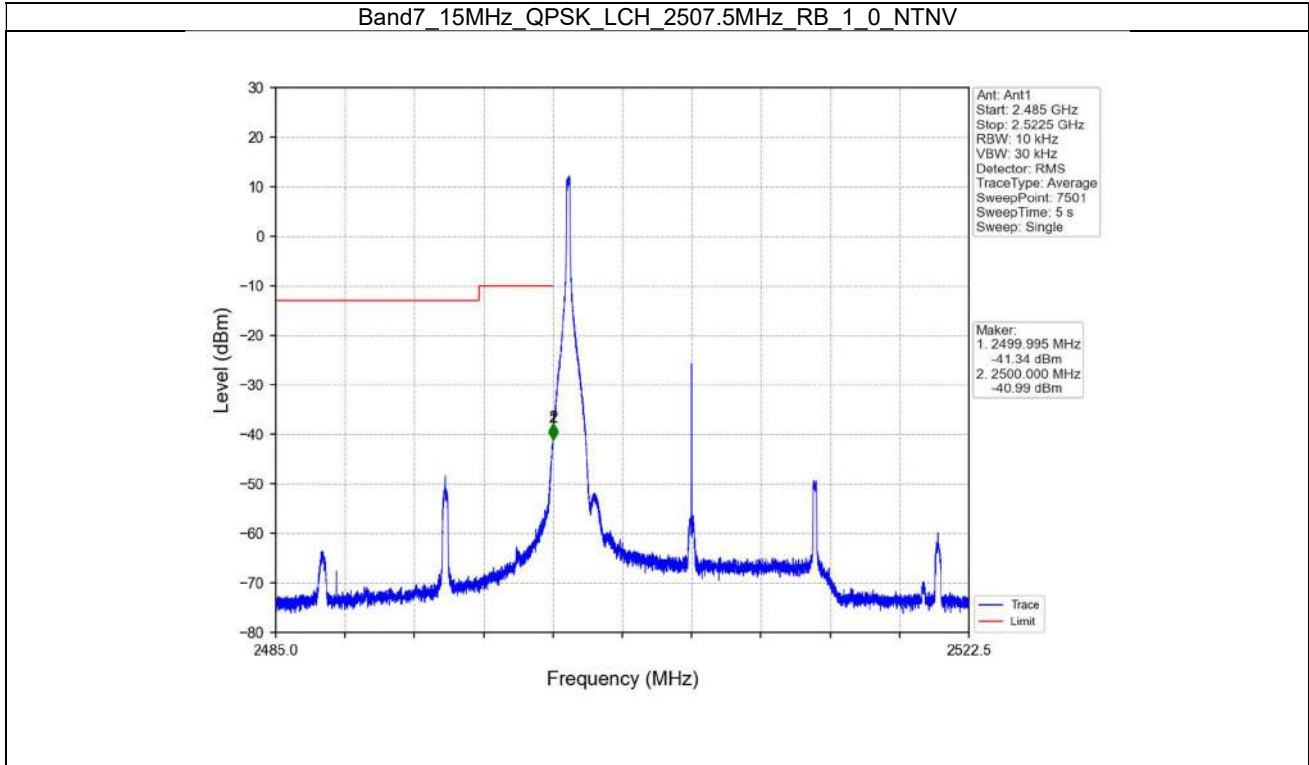
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6.3.2 Test Graph



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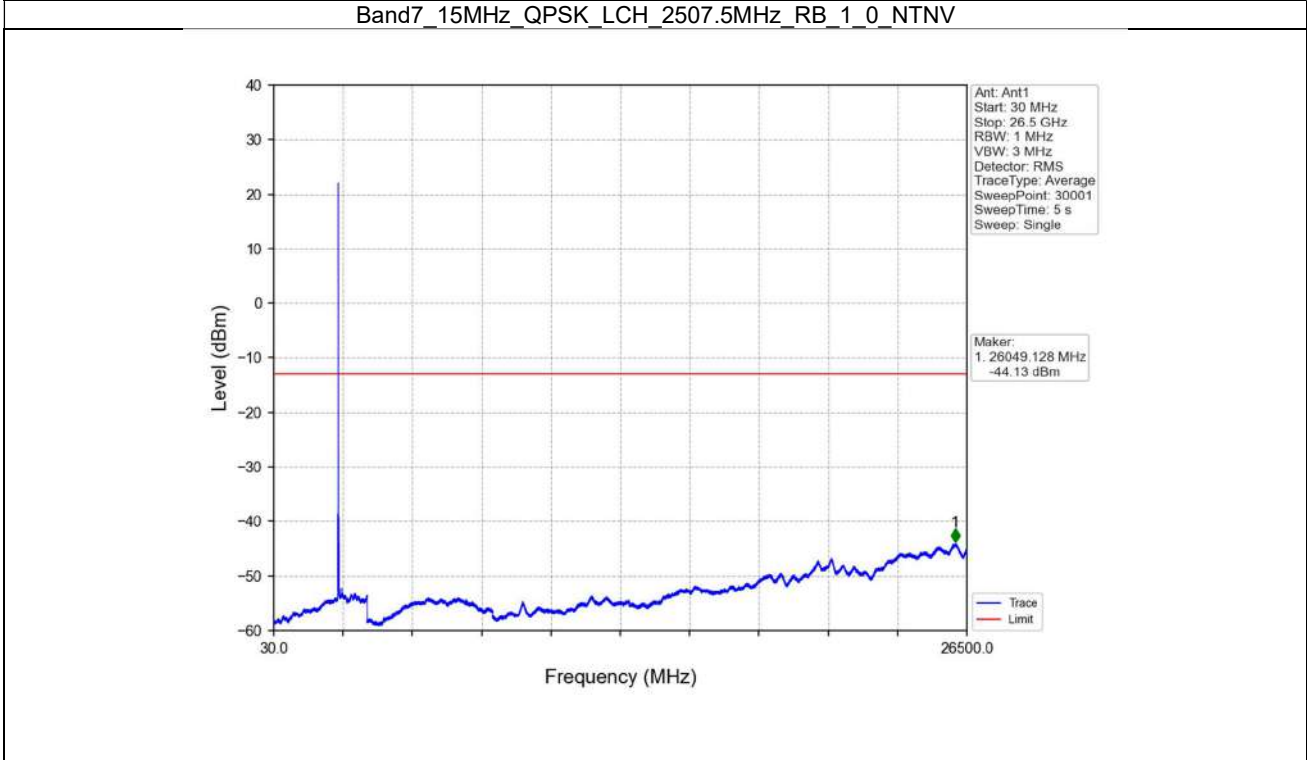
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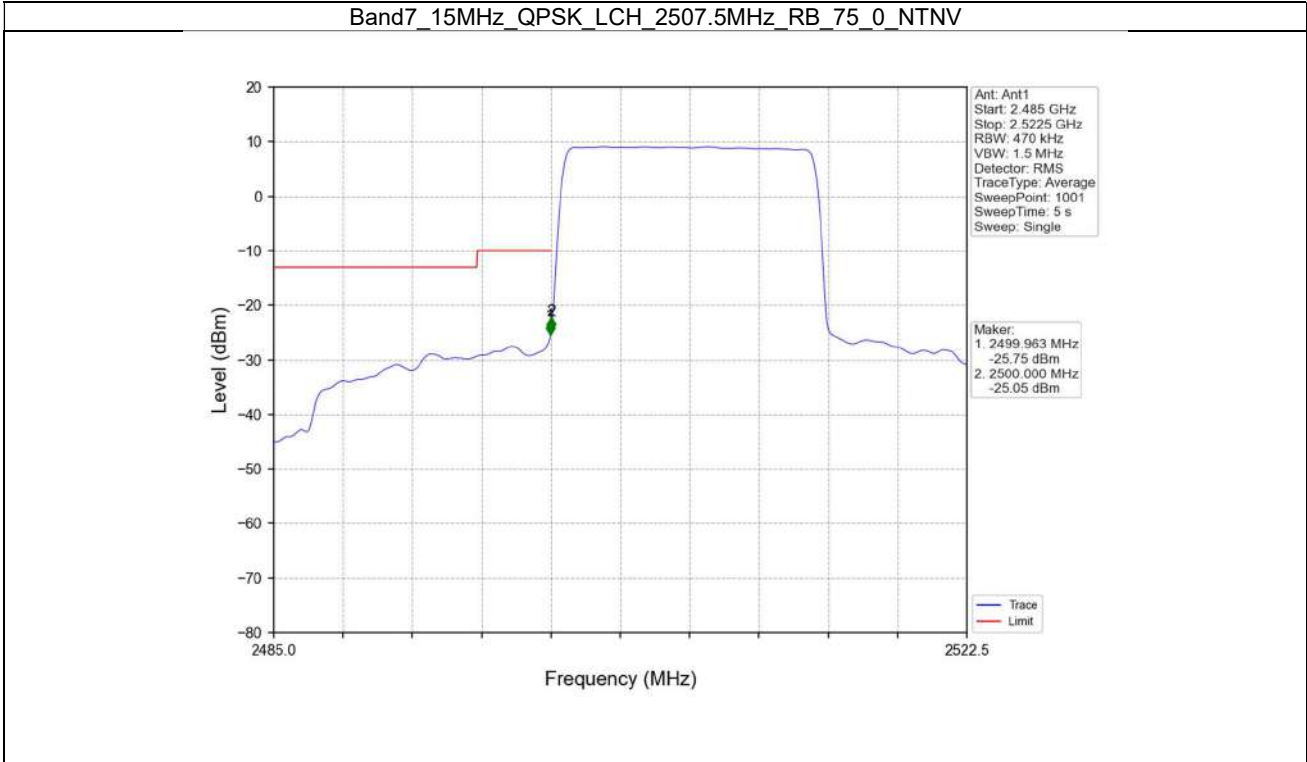
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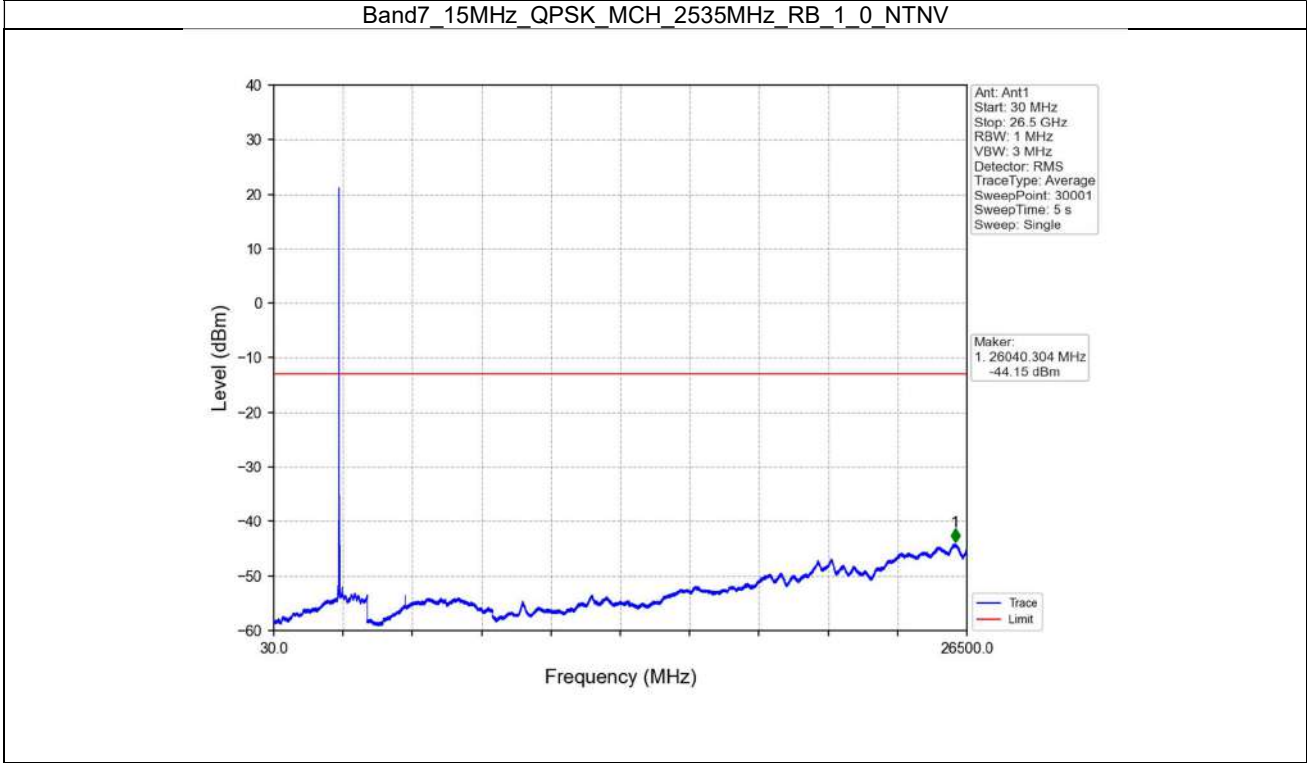
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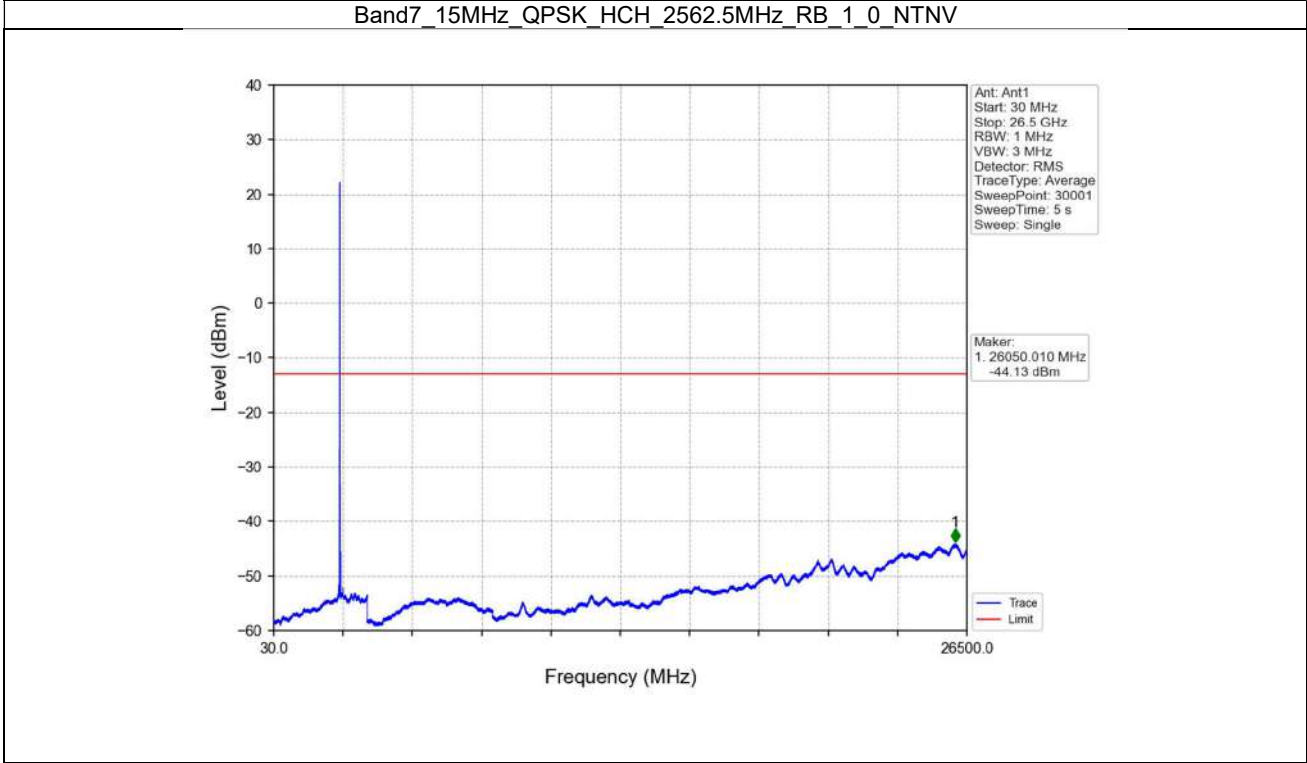
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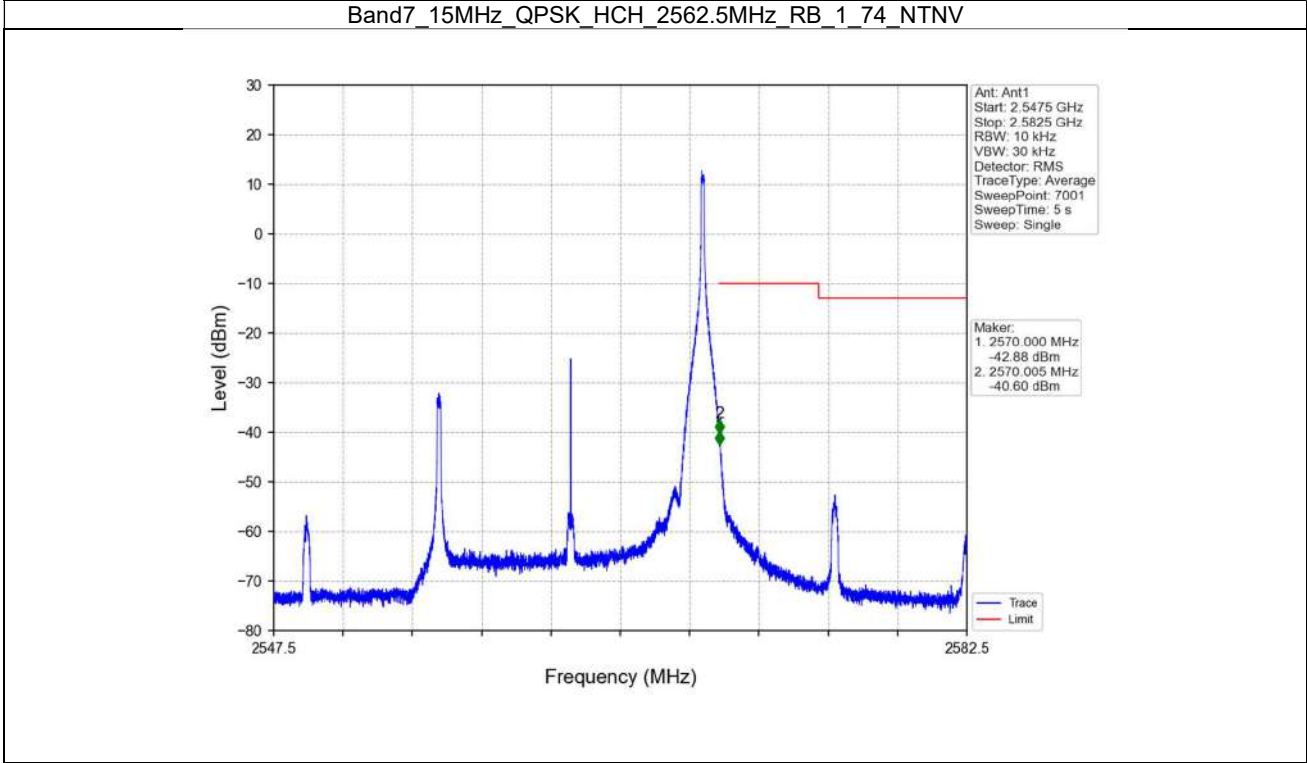
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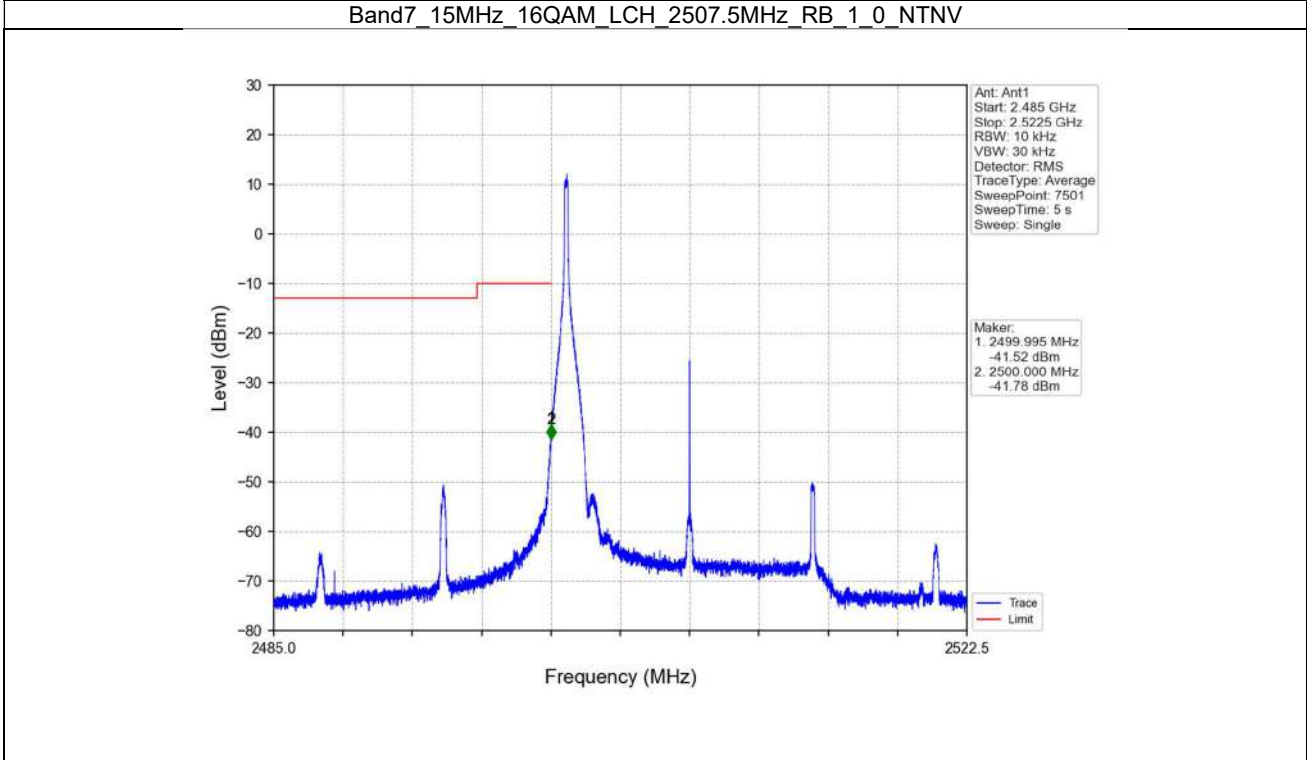
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Band7\_15MHz\_16QAM\_LCH\_2507.5MHz\_RB\_1\_0\_NTNV



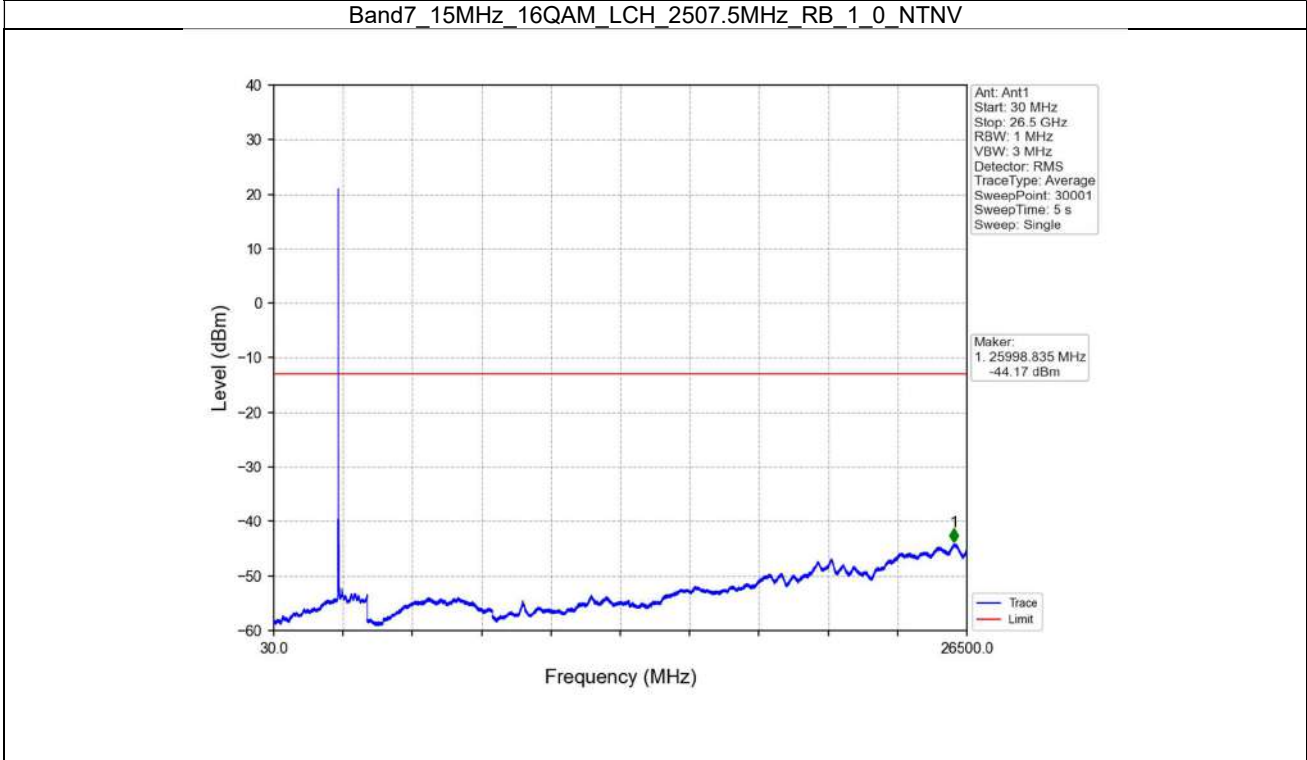
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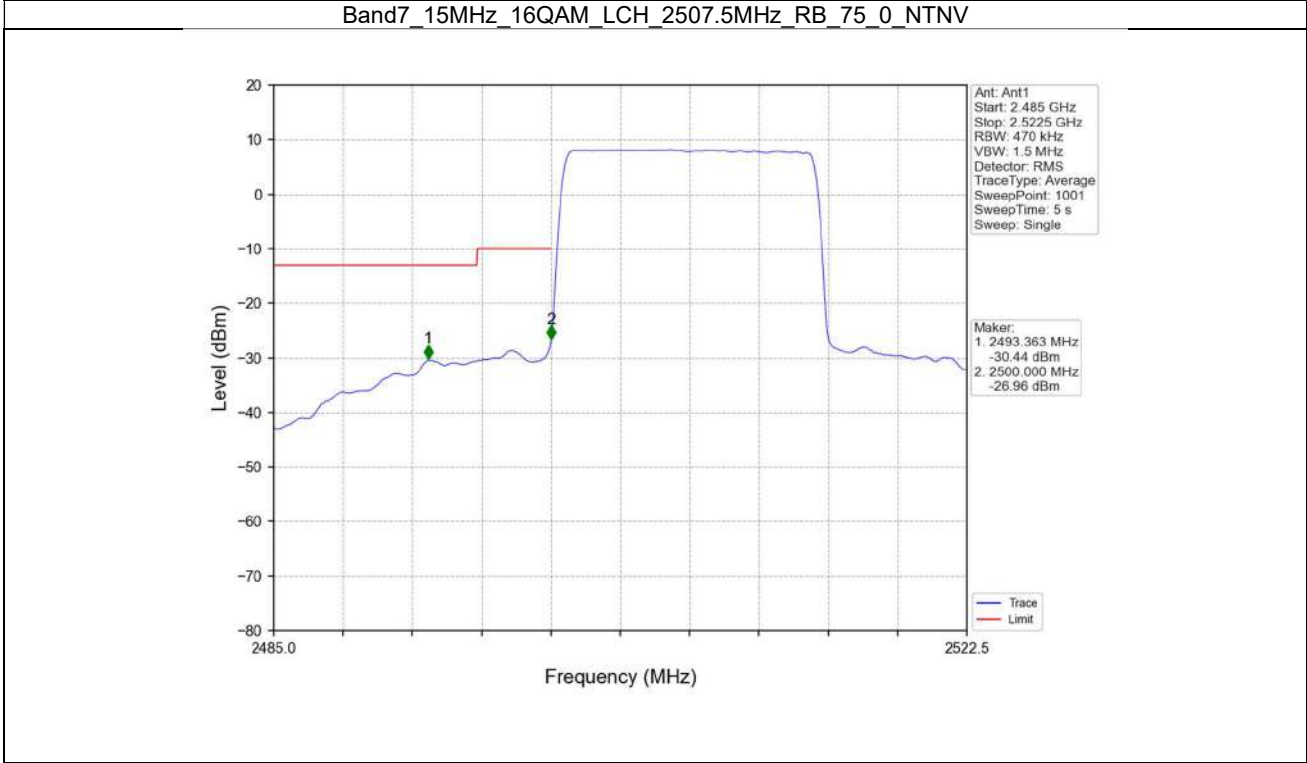
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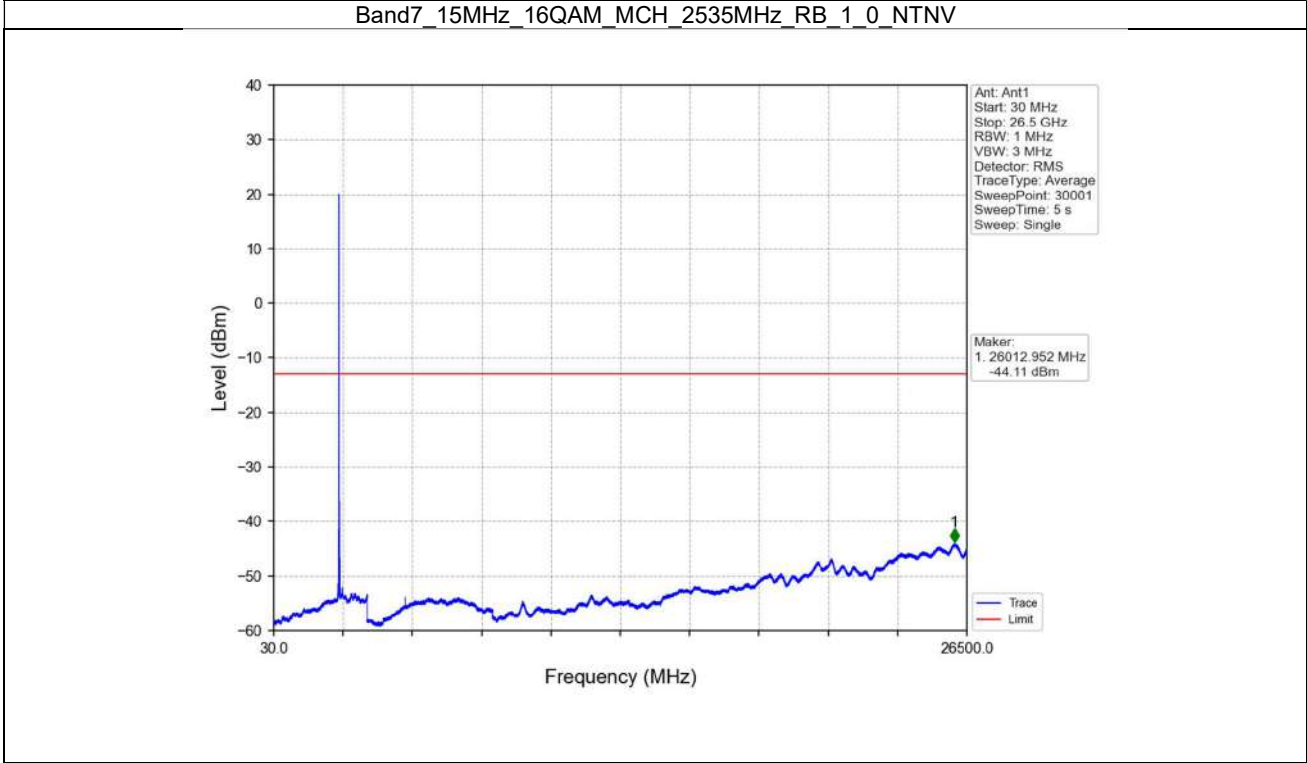
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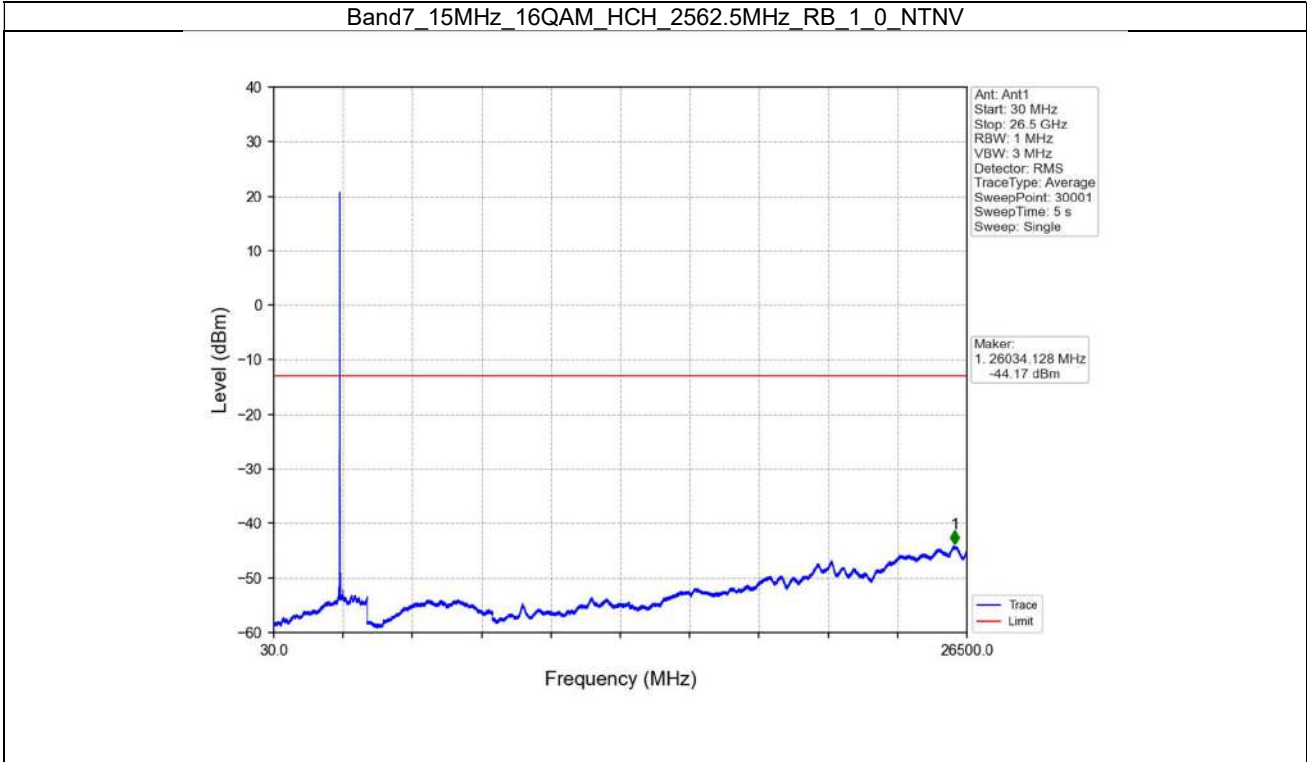
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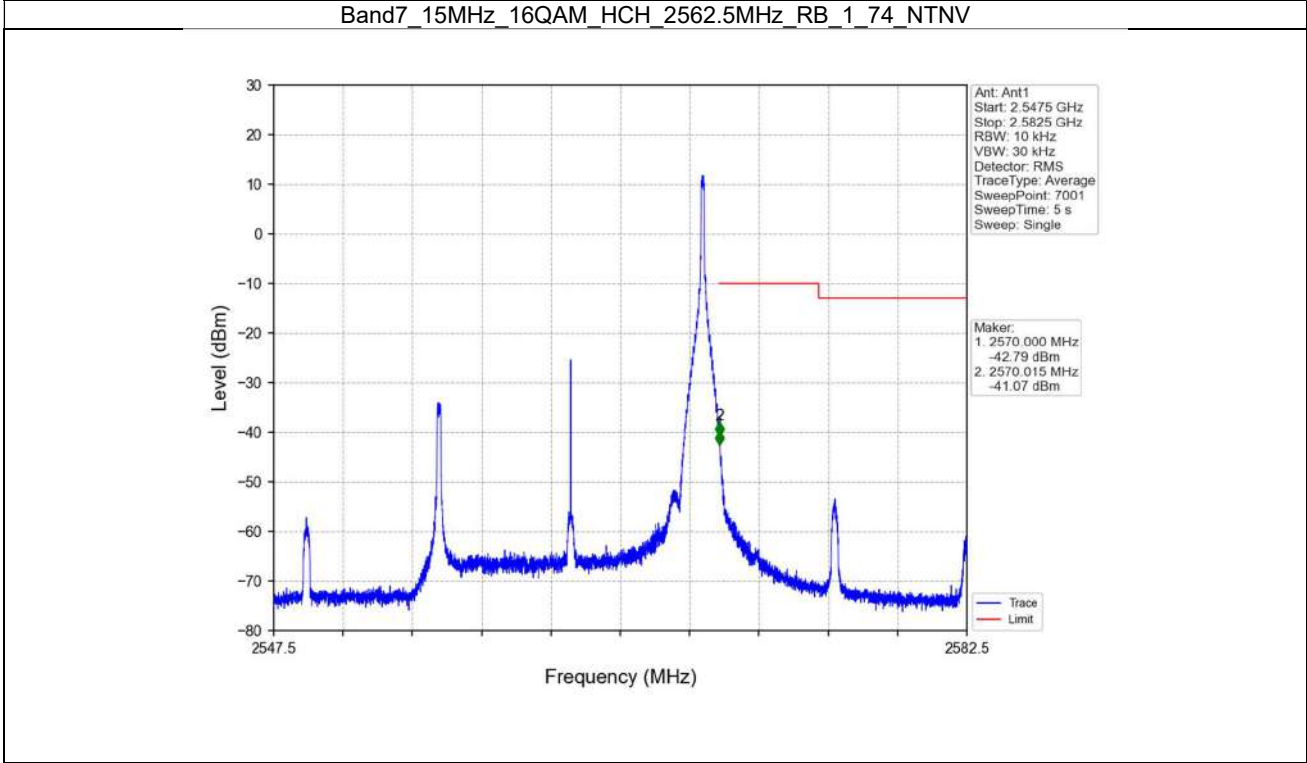
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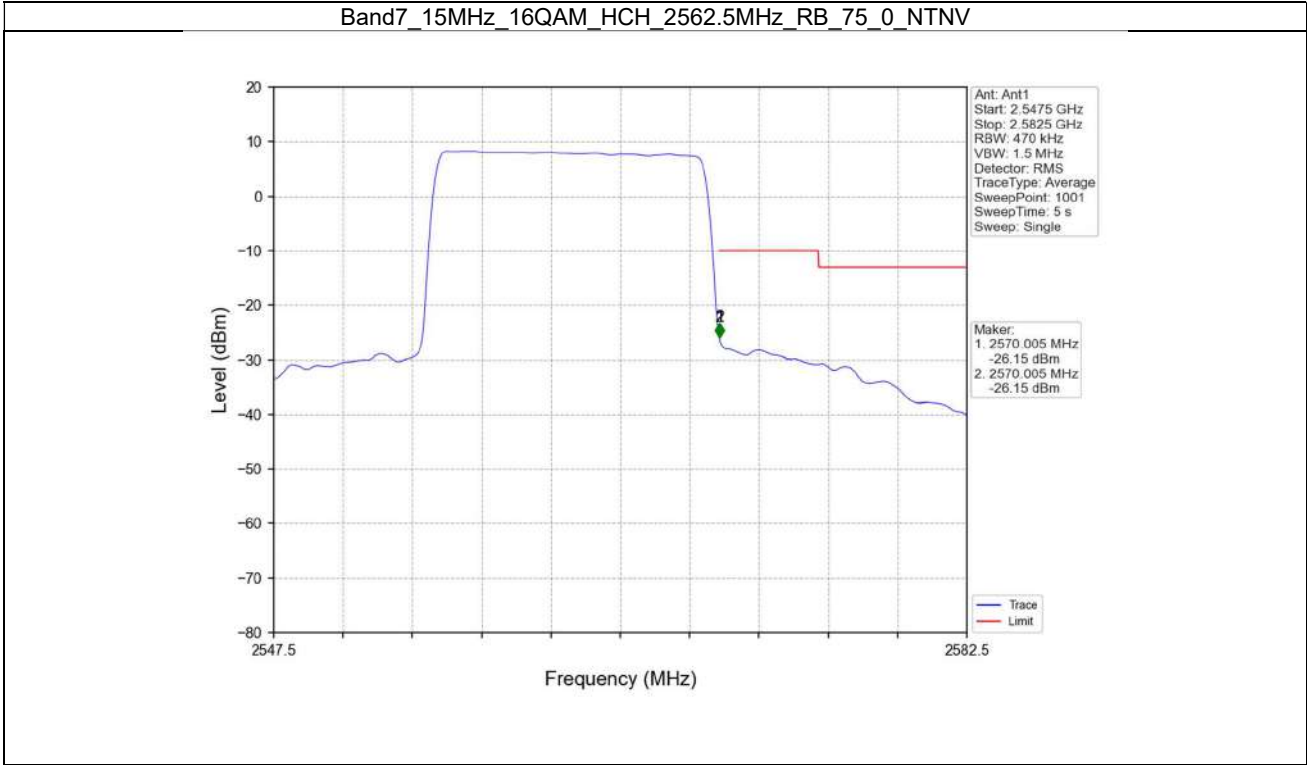


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## 6.4 B7\_20MHz

### 6.4.1 Test Result

Band: 7 / Bandwidth: 20MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
16QAM	2510	1	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
	2560	1	0	Refer To Test Graph		Pass
		1	99	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass
		100	0	Refer To Test Graph		Pass



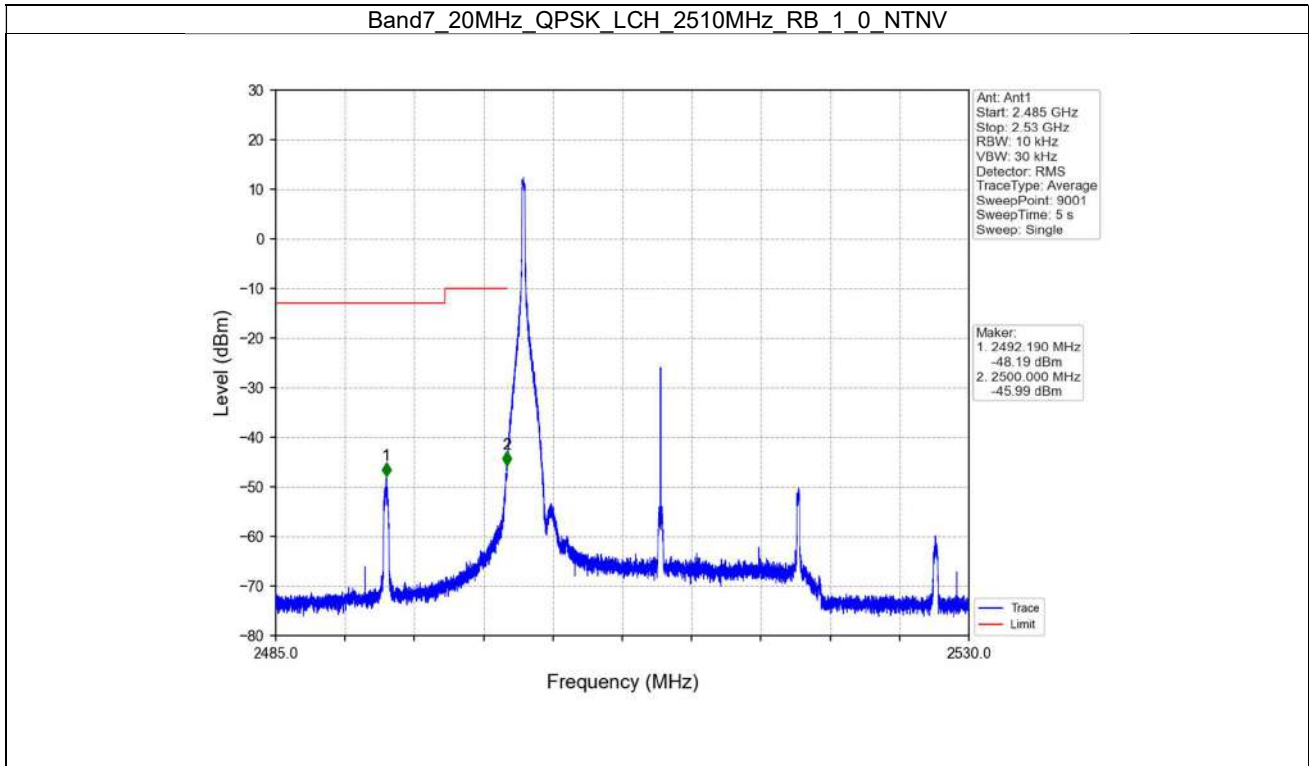
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6.4.2 Test Graph

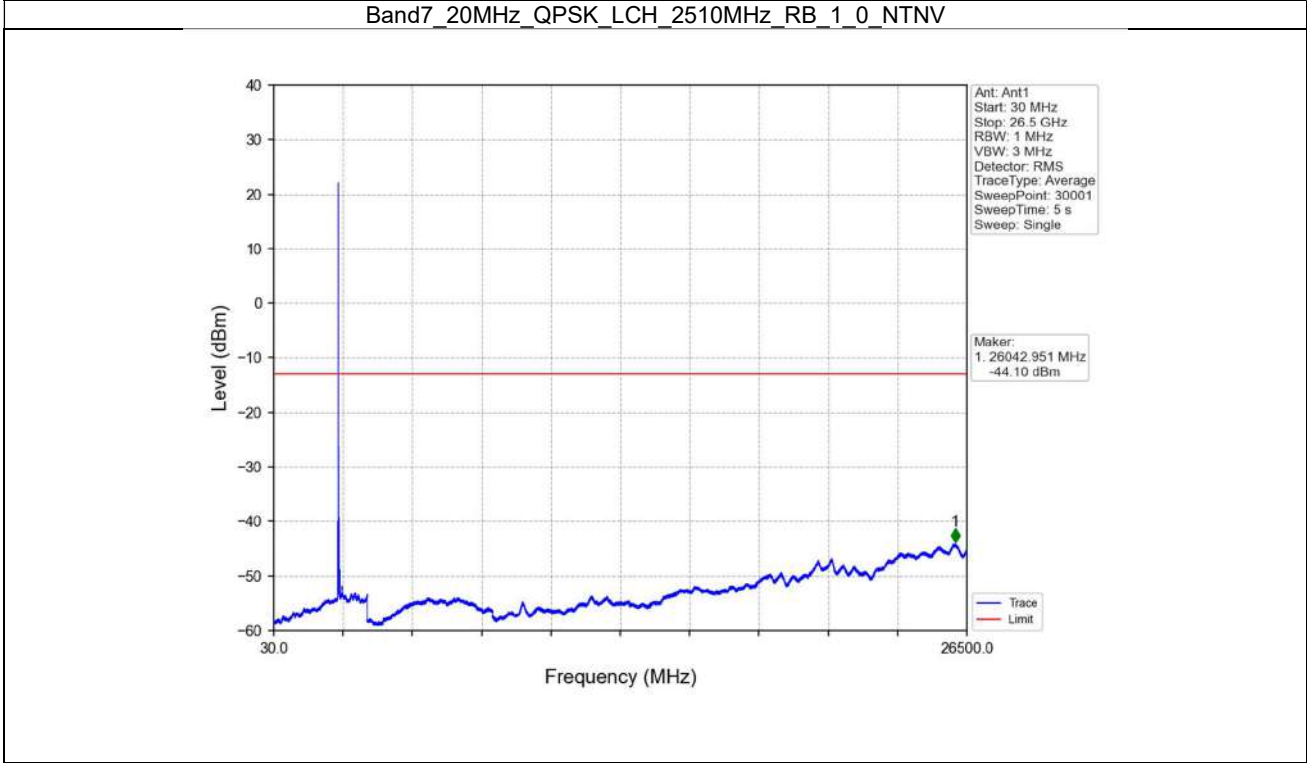


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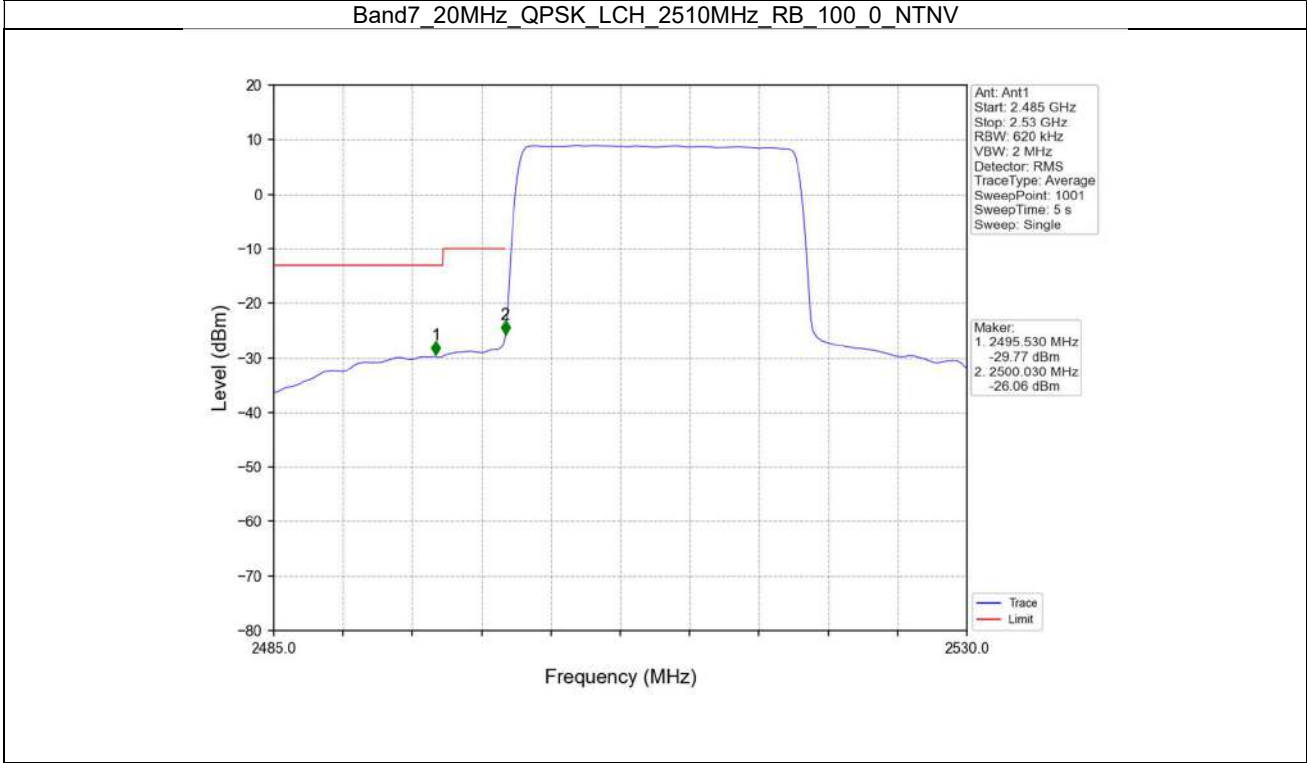
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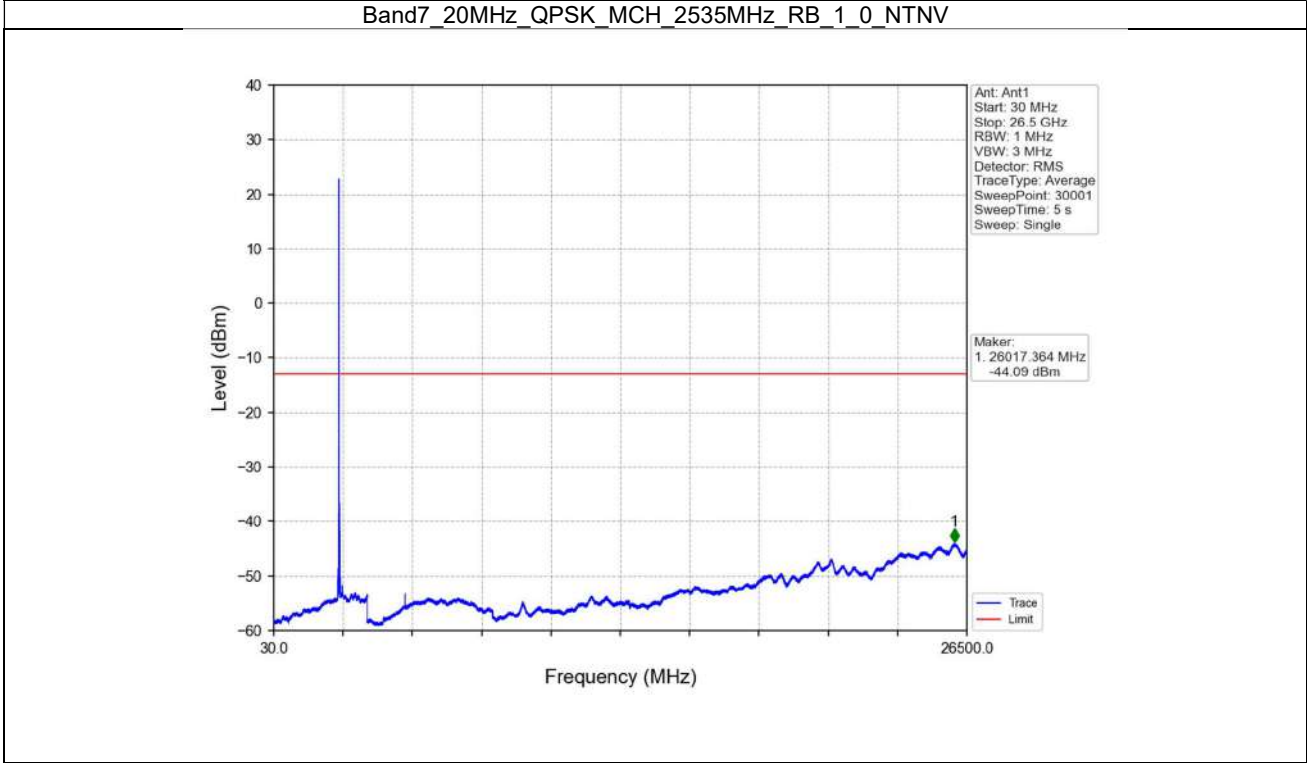


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Band7\_20MHz\_QPSK\_MCH\_2535MHz\_RB\_1\_0\_NTNV



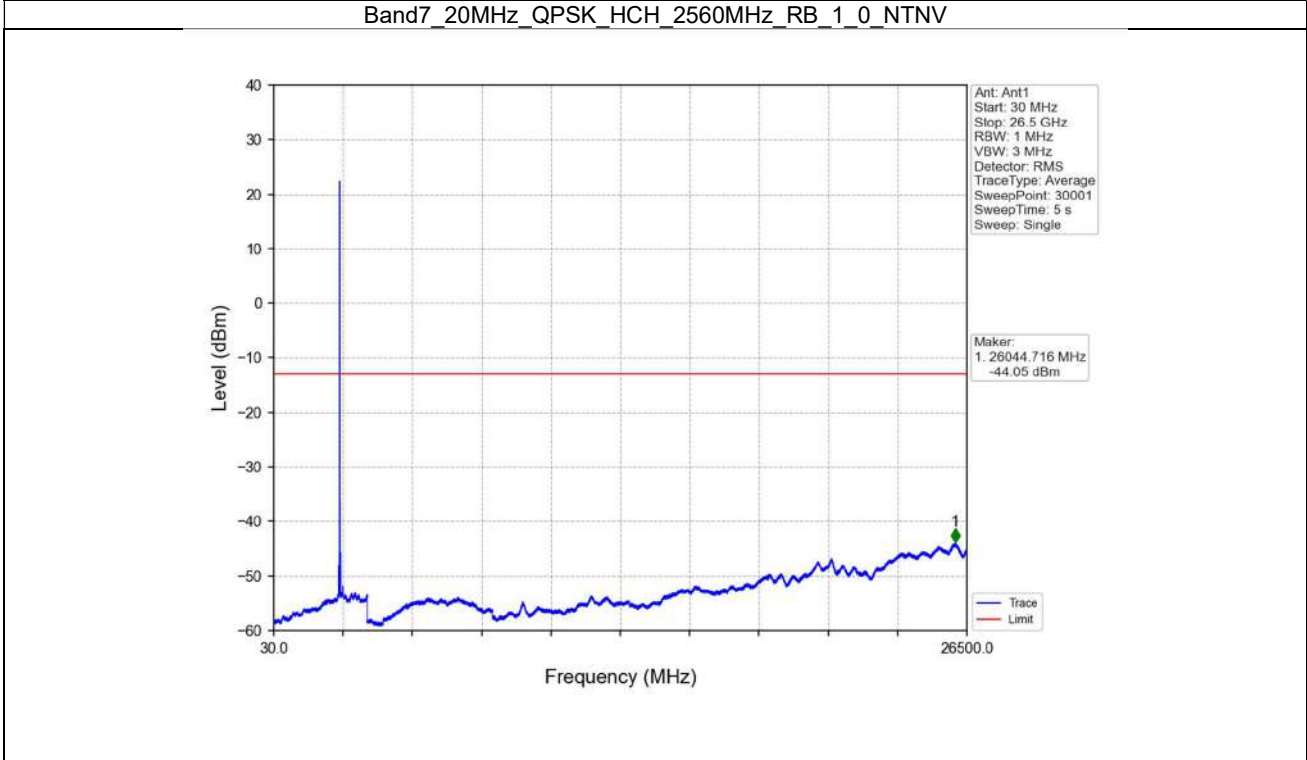
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Band7\_20MHz\_QPSK\_HCH\_2560MHz\_RB\_1\_0\_NTNV

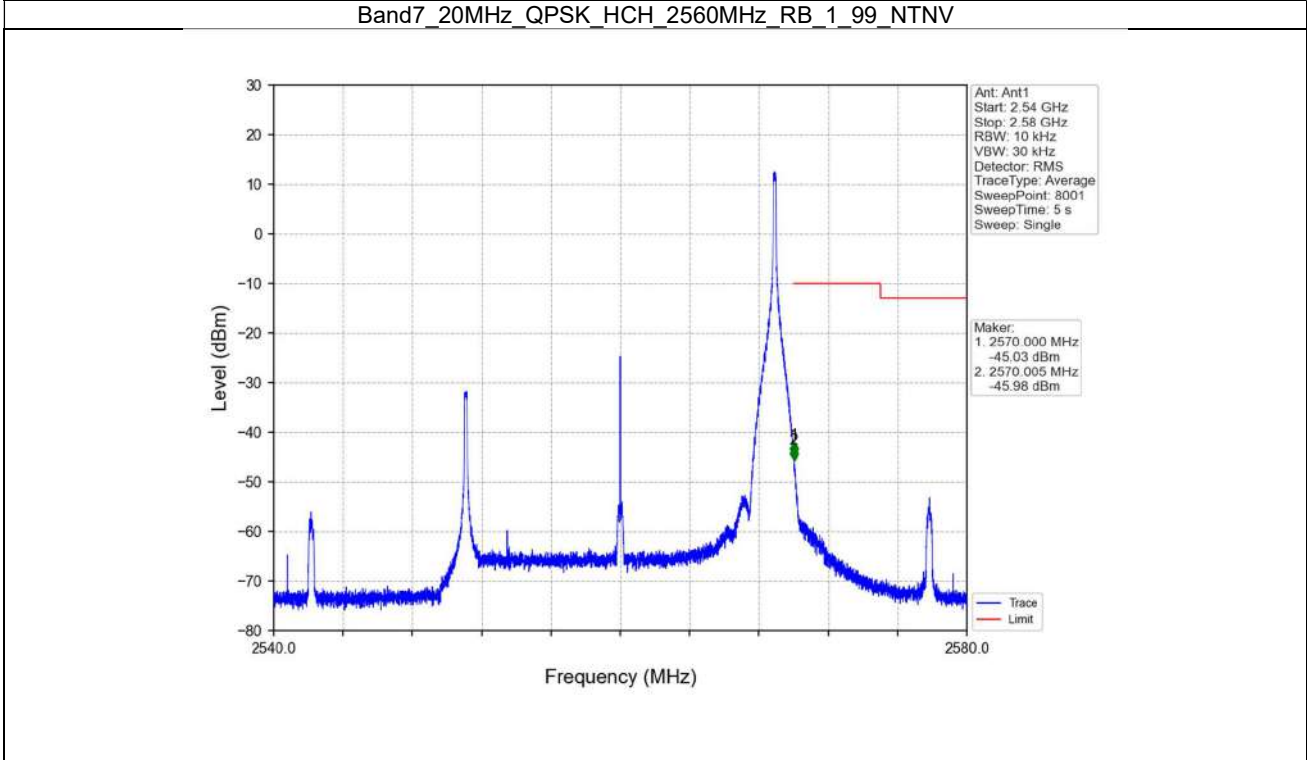


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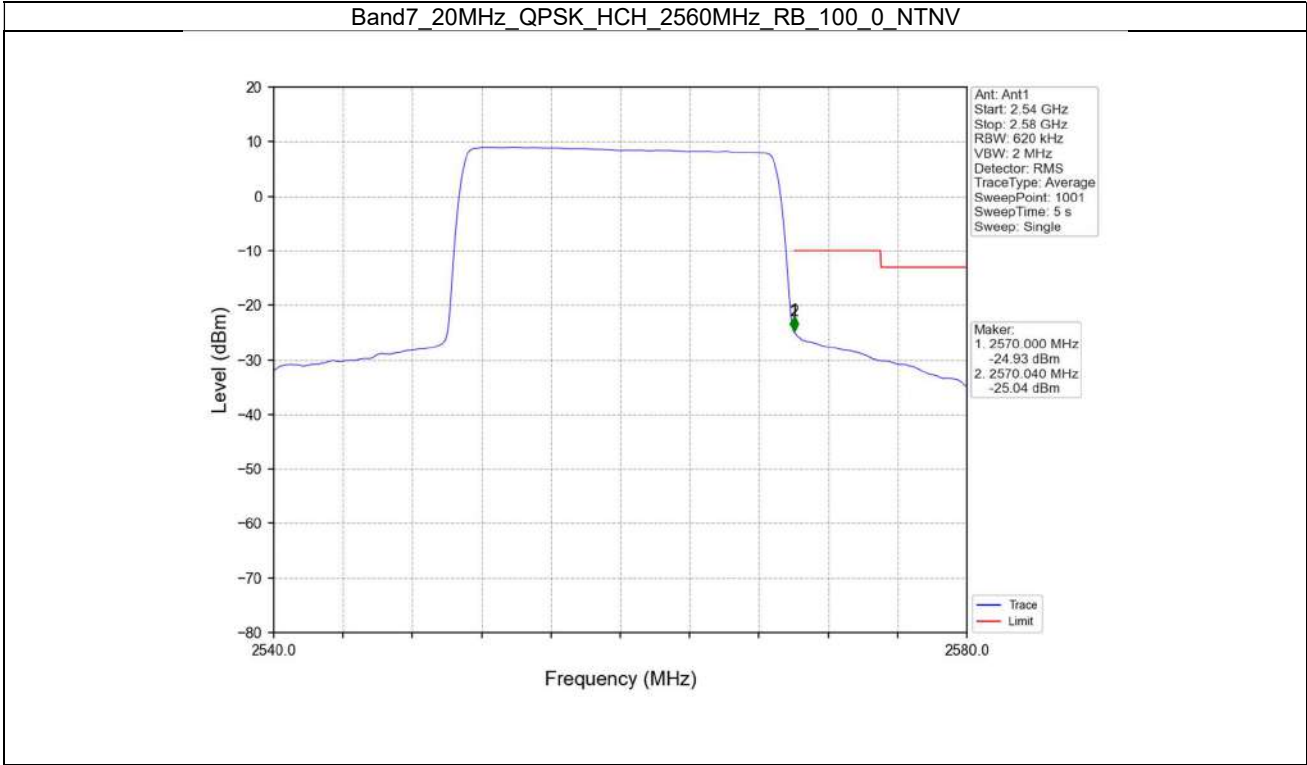
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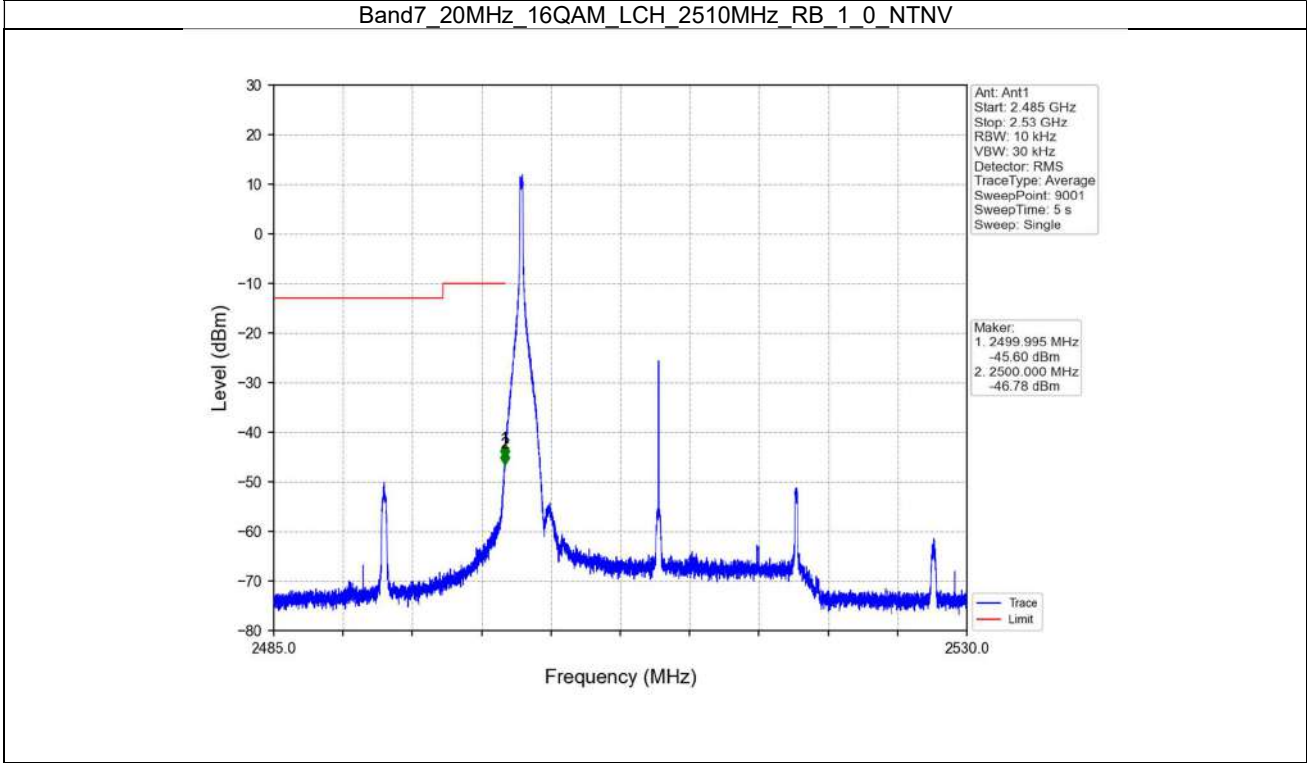
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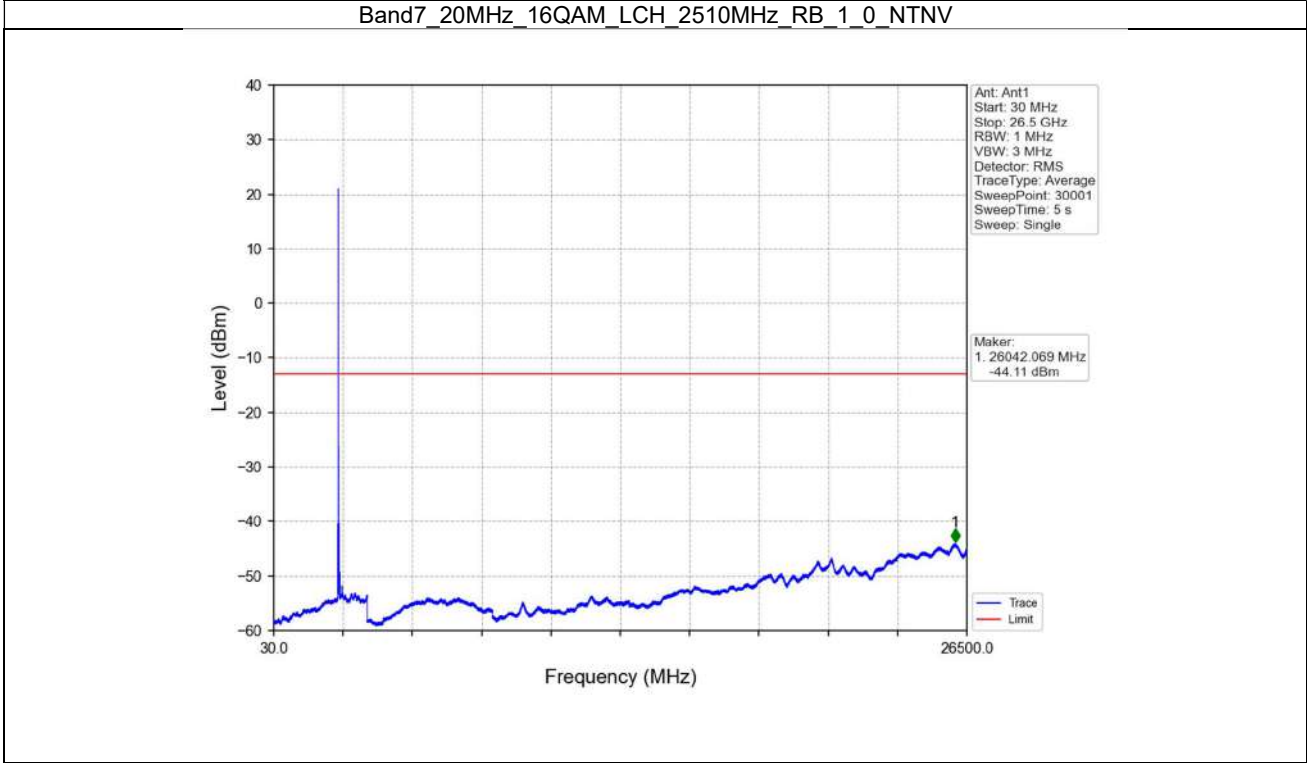
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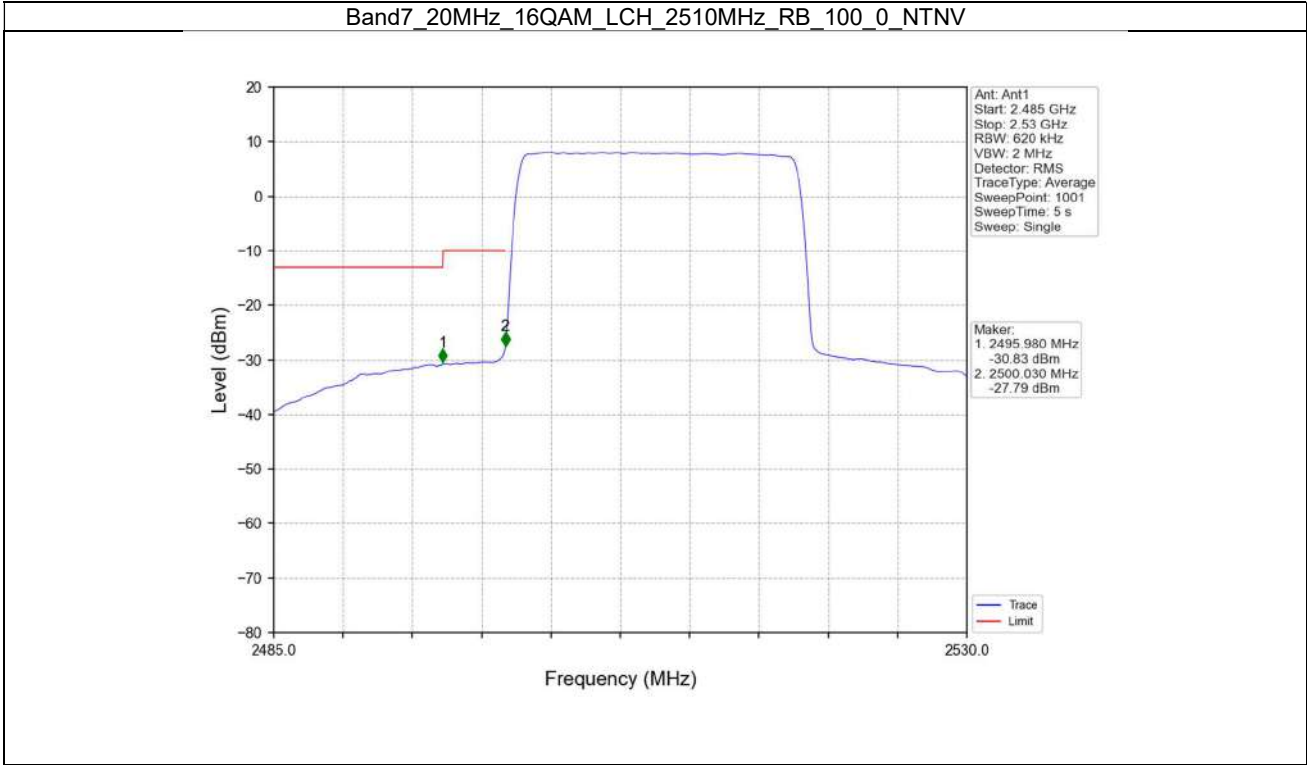


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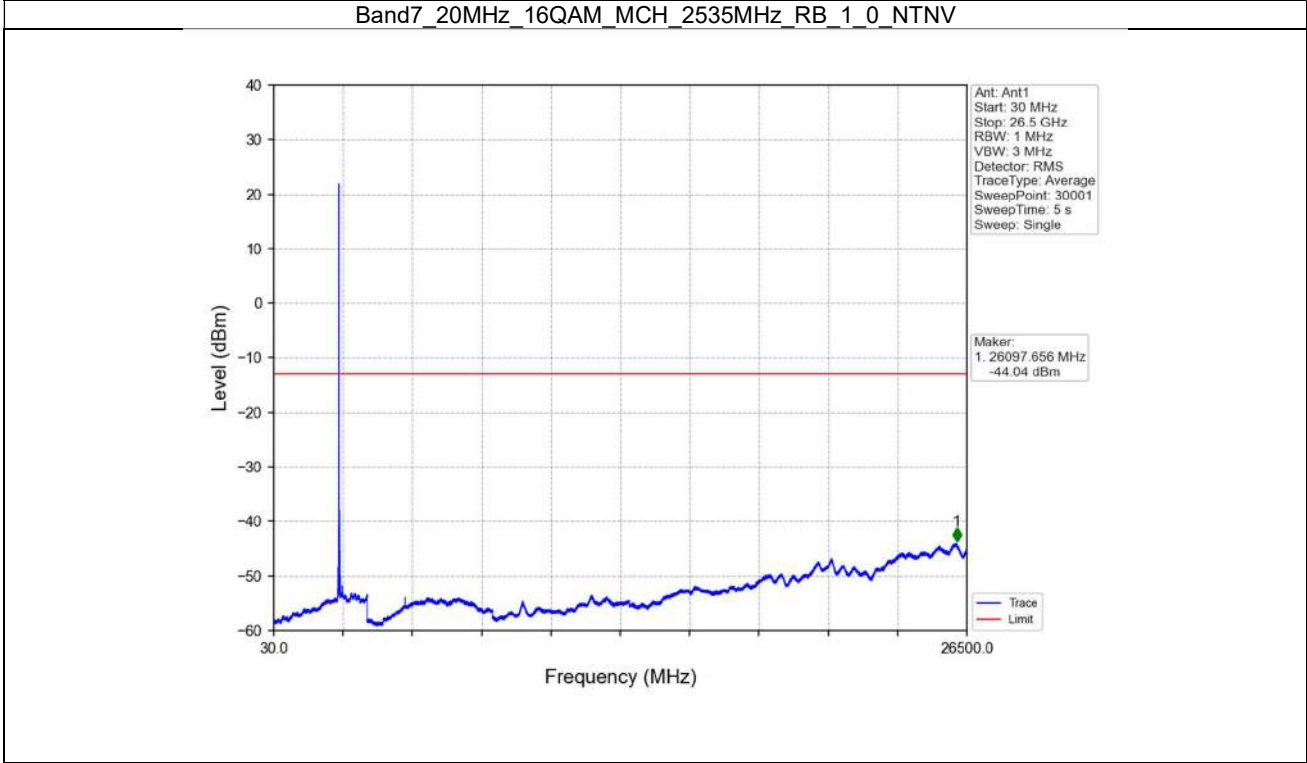
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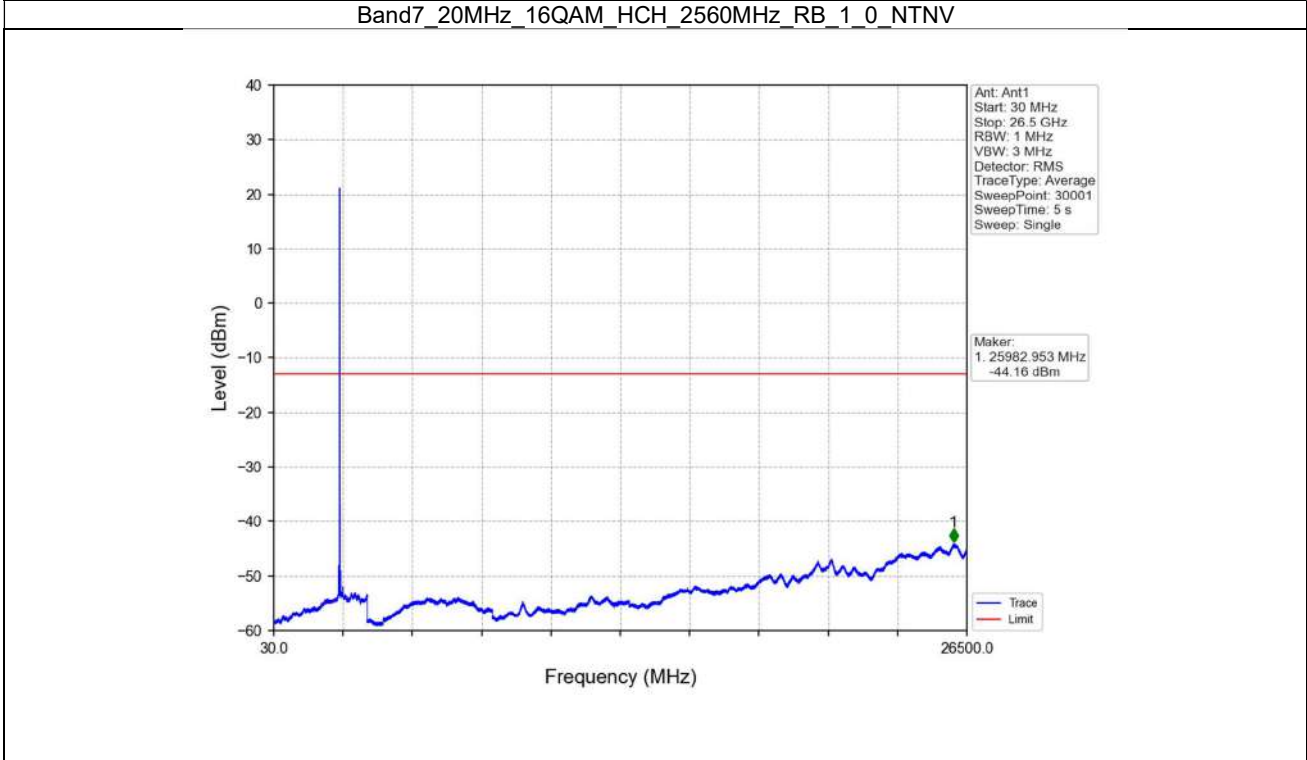


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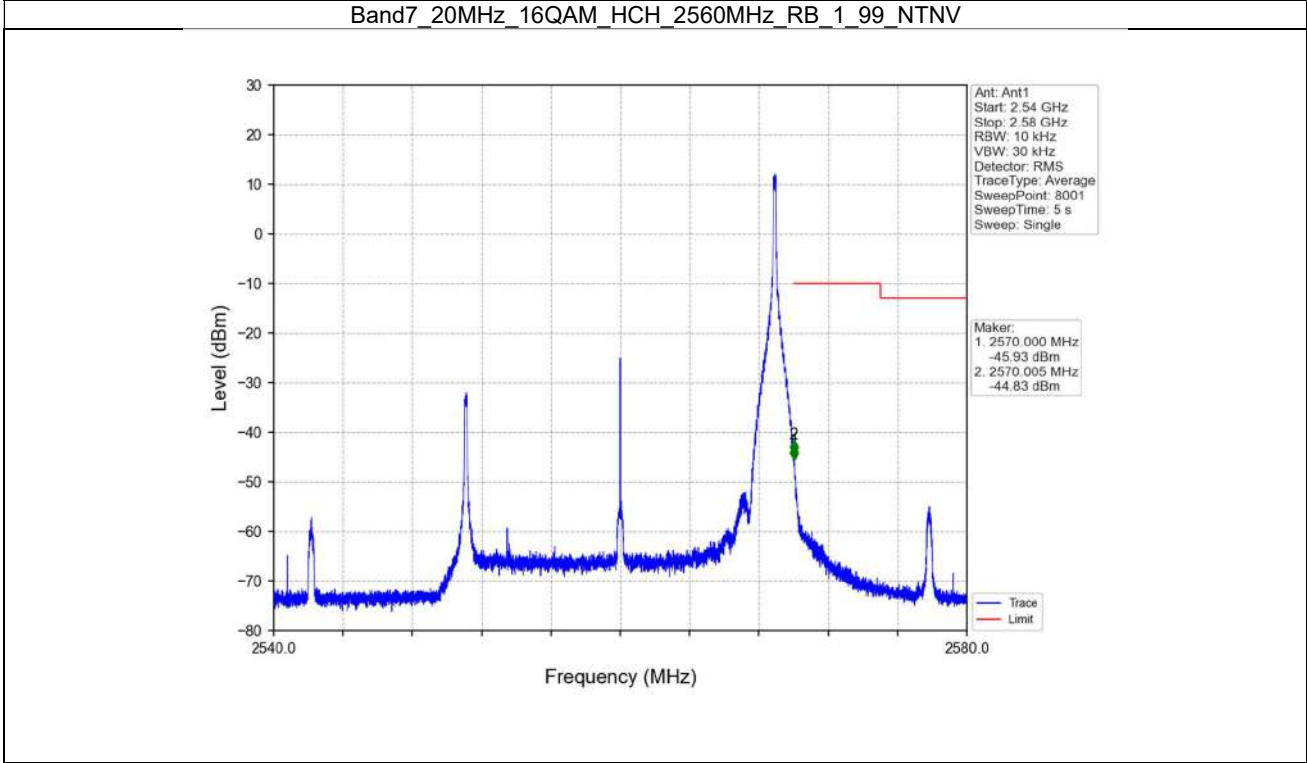


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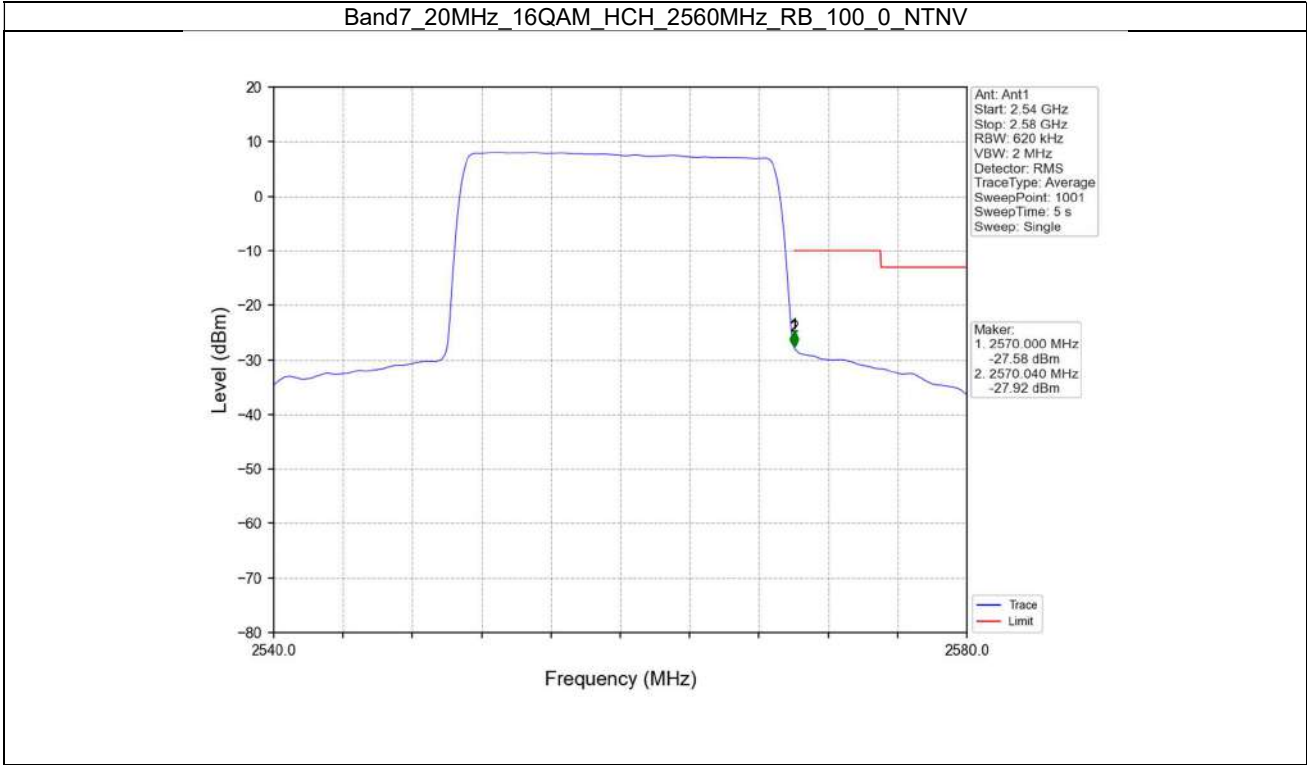


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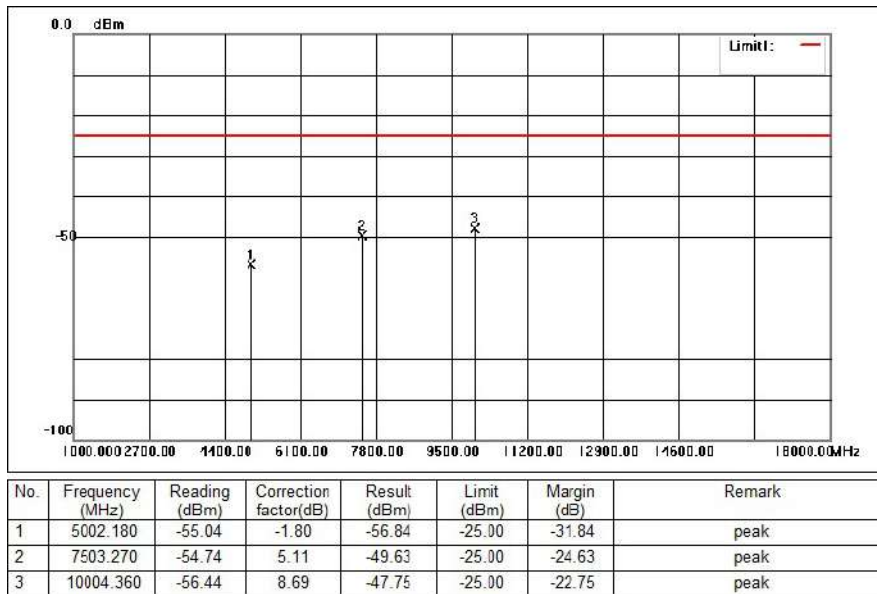
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## 7. Field Strength of Spurious Radiation

Up Antenna

LTE BAND 7-20MHz-Low channel

Polarization: H



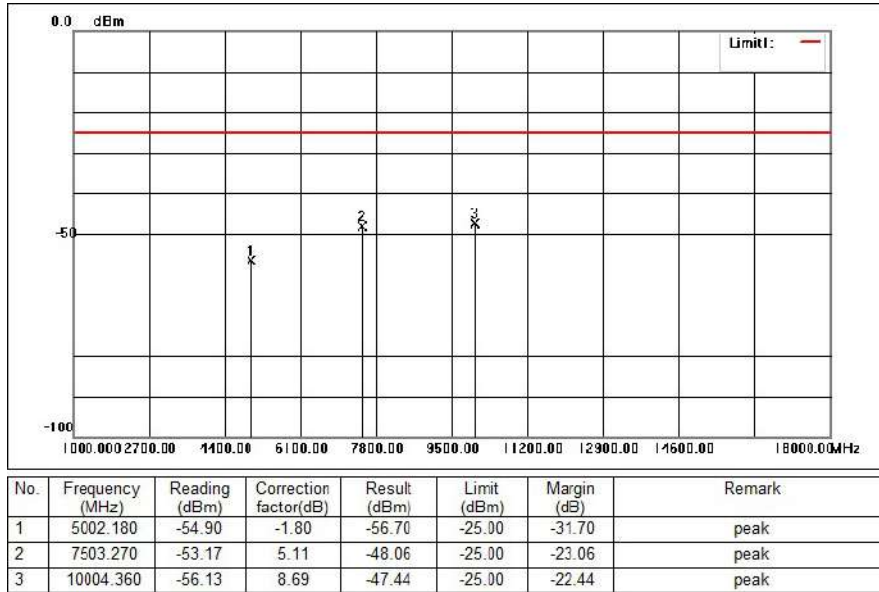
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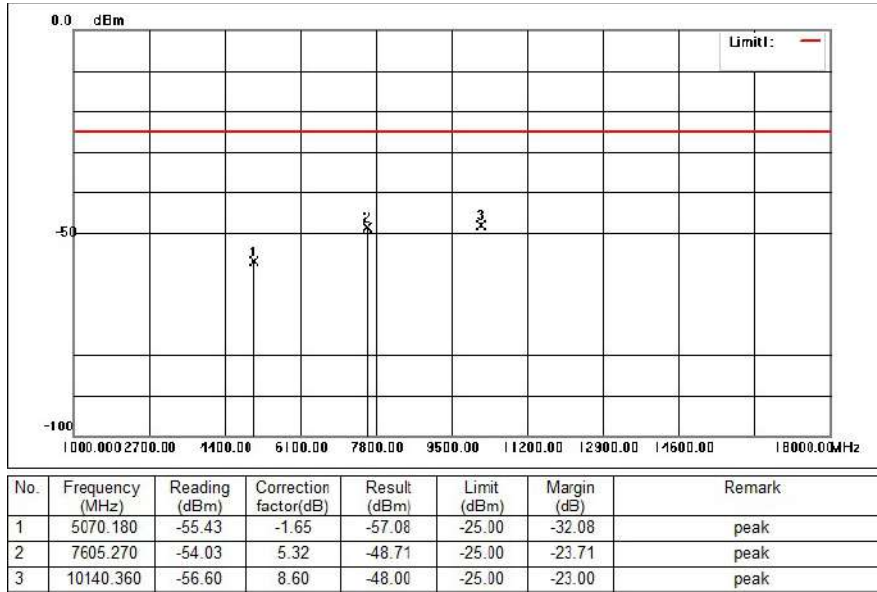
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LTE BAND 7-20MHz-Middle channel

Polarization: H

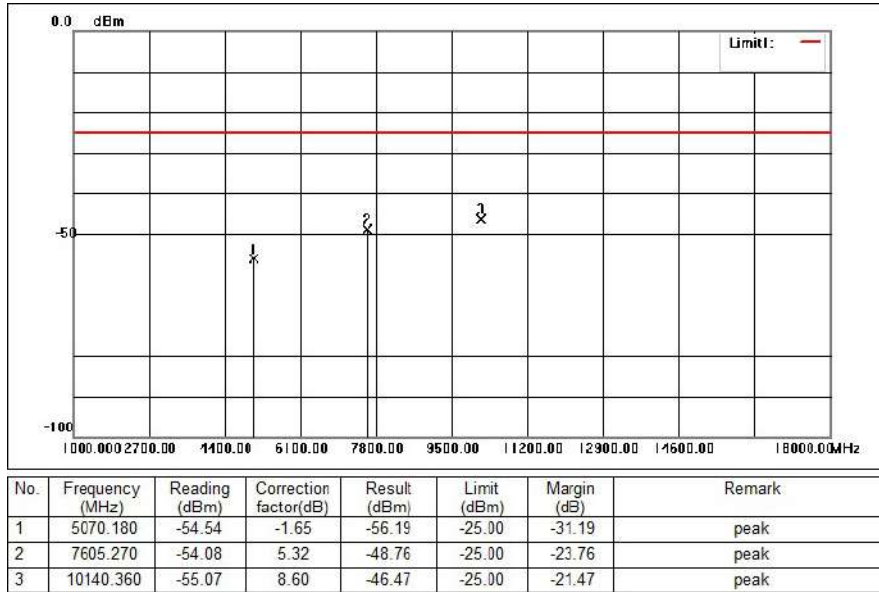


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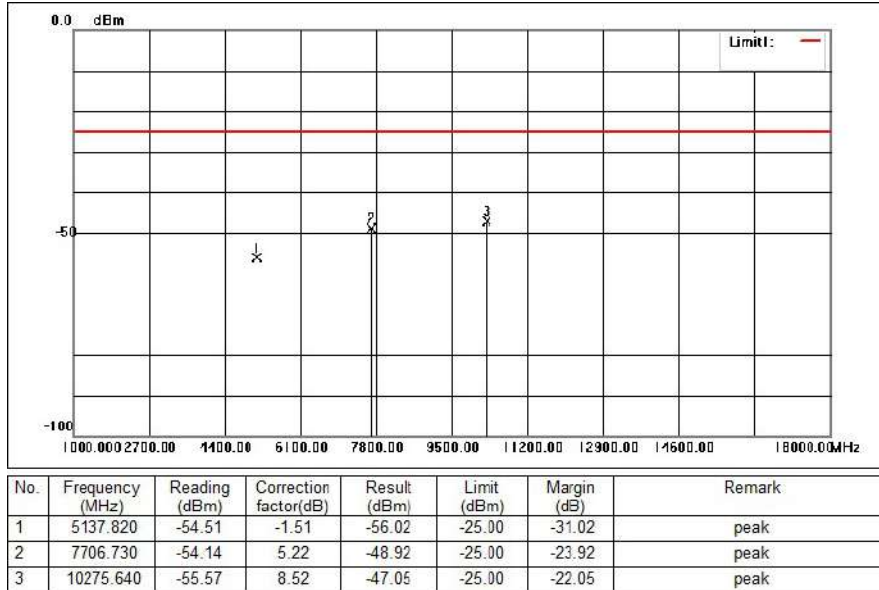
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EMC Laboratory

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LTE BAND 7-20MHz-High channel  
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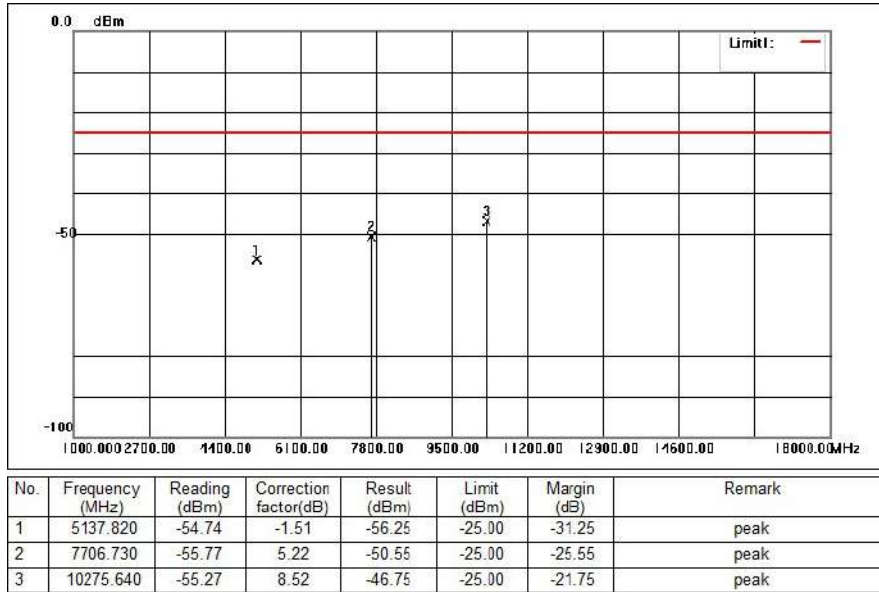
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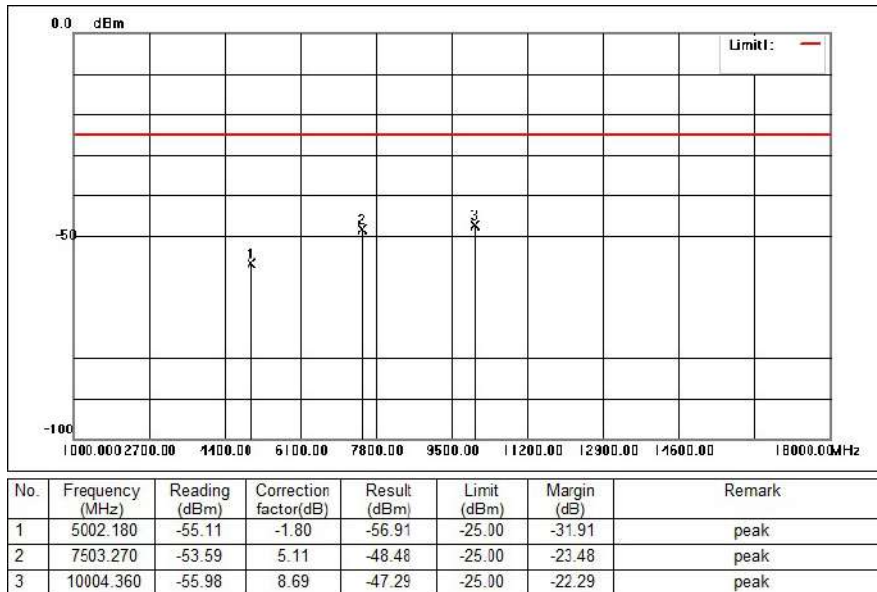
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Down Antenna

LTE BAND 7-20MHz-Low channel

Polarization: H



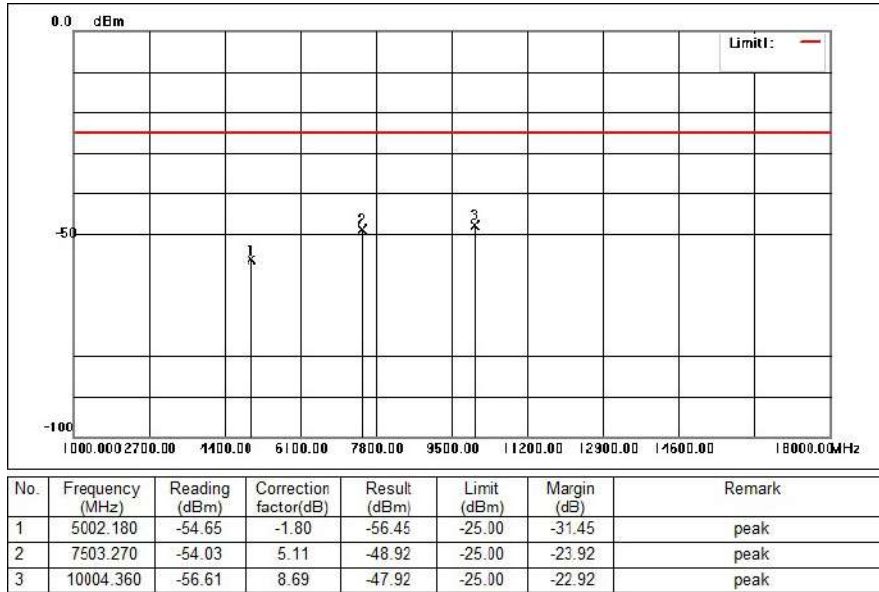
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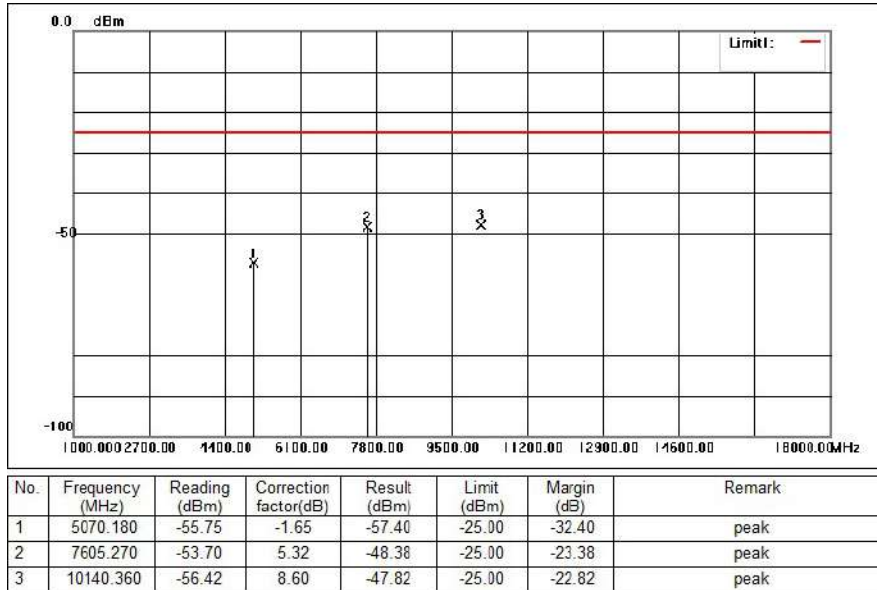
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LTE BAND 7-20MHz-Middle channel

Polarization: H



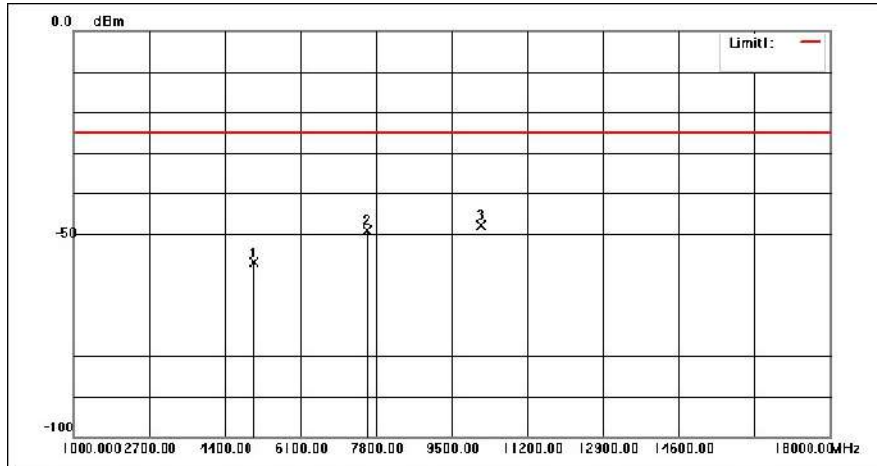
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Polarization: V



No.	Frequency (MHz)	Reading (dBm)	Correction factor(dB)	Result (dBm)	Limit (dBm)	Margin (dB)	Remark
1	5070.180	-55.37	-1.65	-57.02	-25.00	-32.02	peak
2	7605.270	-54.54	5.32	-49.22	-25.00	-24.22	peak
3	10140.360	-56.38	8.60	-47.78	-25.00	-22.78	peak

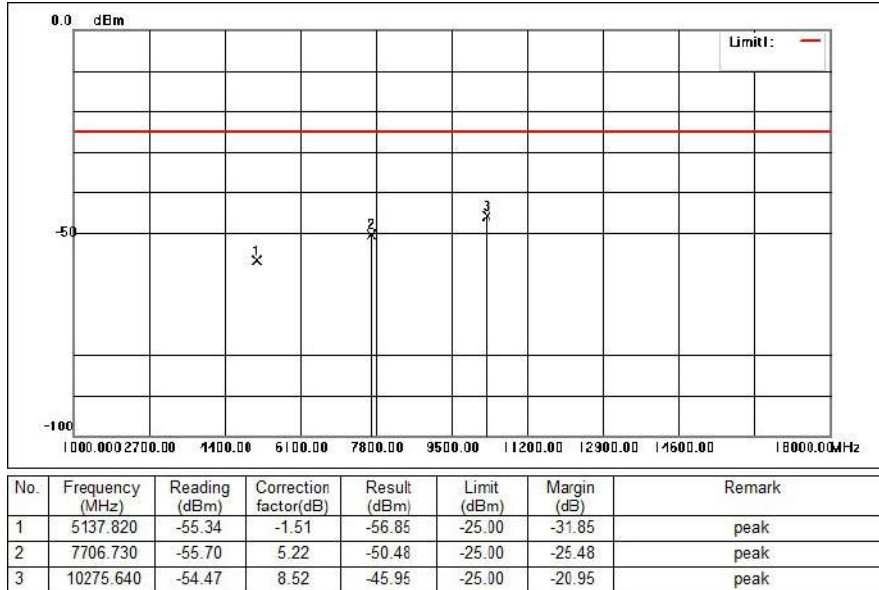


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LTE BAND 7-20MHz-High channel  
Polarization: H



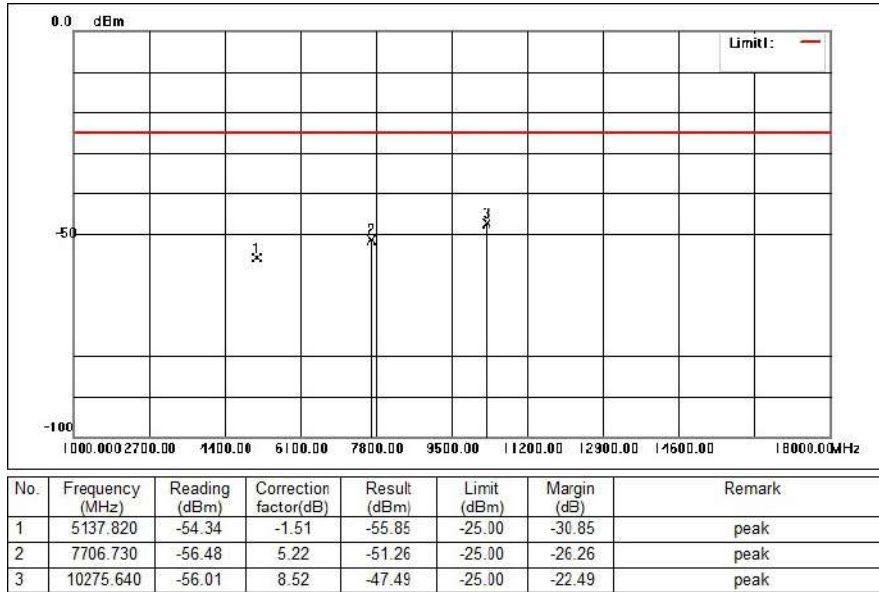
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Remark1:According to 971168 D01 Power Meas License Digital Systems, The amplitudes of unwanted emissions that are attenuated more than 20 dB below the applicable limit are not required to be reported.  
Remark2:The disturbance below 30MHz was very low, and the above harmonics were the highest point could be found when testing, so only the worst case data had been displayed.



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