



Report No.: SZCR240100035201  
Rev.: 01  
Page: 1 of 105

# Appendix B.10

## LTE Band 13



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Report No.: SZCR240100035201

Rev.: 01

Page: 2 of 105

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

### 1.1 B13\_5MHz\_ERP\_Ant1

#### 1.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	779.5	1	0	24.10	-5.70	16.25	<=34.77	Pass		
			13	24.25	-5.70	16.40	<=34.77	Pass		
			24	24.10	-5.70	16.25	<=34.77	Pass		
		12	0	23.19	-5.70	15.34	<=34.77	Pass		
			6	23.27	-5.70	15.42	<=34.77	Pass		
			13	23.26	-5.70	15.41	<=34.77	Pass		
		25	0	23.22	-5.70	15.37	<=34.77	Pass		
		782	1	0	24.21	-5.70	16.36	<=34.77	Pass	
				13	24.31	-5.70	16.46	<=34.77	Pass	
	24			24.15	-5.70	16.30	<=34.77	Pass		
	12		0	23.25	-5.70	15.40	<=34.77	Pass		
			6	23.31	-5.70	15.46	<=34.77	Pass		
			13	23.24	-5.70	15.39	<=34.77	Pass		
	25		0	23.27	-5.70	15.42	<=34.77	Pass		
	784.5		1	0	24.14	-5.70	16.29	<=34.77	Pass	
				13	24.29	-5.70	16.44	<=34.77	Pass	
		24		24.14	-5.70	16.29	<=34.77	Pass		
		12	0	23.20	-5.70	15.35	<=34.77	Pass		
			6	23.32	-5.70	15.47	<=34.77	Pass		
			13	23.27	-5.70	15.42	<=34.77	Pass		
		25	0	23.28	-5.70	15.43	<=34.77	Pass		
		16QAM	779.5	1	0	23.19	-5.70	15.34	<=34.77	Pass
					13	23.39	-5.70	15.54	<=34.77	Pass
	24				23.22	-5.70	15.37	<=34.77	Pass	
12	0			22.16	-5.70	14.31	<=34.77	Pass		
	6			22.26	-5.70	14.41	<=34.77	Pass		
	13			22.22	-5.70	14.37	<=34.77	Pass		
25	0		22.24	-5.70	14.39	<=34.77	Pass			
782	1		0	23.33	-5.70	15.48	<=34.77	Pass		
			13	23.45	-5.70	15.60	<=34.77	Pass		
			24	23.29	-5.70	15.44	<=34.77	Pass		
	12		0	22.23	-5.70	14.38	<=34.77	Pass		
			6	22.30	-5.70	14.45	<=34.77	Pass		
			13	22.27	-5.70	14.42	<=34.77	Pass		
25	0		22.30	-5.70	14.45	<=34.77	Pass			
784.5	1		0	23.39	-5.70	15.54	<=34.77	Pass		
		13	23.52	-5.70	15.67	<=34.77	Pass			



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Report No.: SZCR240100035201

Rev.: 01

Page: 3 of 105

			24	23.33	-5.70	15.48	<=34.77	Pass	
		12	0	22.23	-5.70	14.38	<=34.77	Pass	
			6	22.34	-5.70	14.49	<=34.77	Pass	
			13	22.29	-5.70	14.44	<=34.77	Pass	
		25	0	22.20	-5.70	14.35	<=34.77	Pass	
64QAM	779.5	1	0	22.05	-5.70	14.20	<=34.77	Pass	
			13	22.22	-5.70	14.37	<=34.77	Pass	
			24	22.07	-5.70	14.22	<=34.77	Pass	
		12	0	21.15	-5.70	13.30	<=34.77	Pass	
			6	21.21	-5.70	13.36	<=34.77	Pass	
			13	21.21	-5.70	13.36	<=34.77	Pass	
		25	0	21.17	-5.70	13.32	<=34.77	Pass	
		782	1	0	22.49	-5.70	14.64	<=34.77	Pass
				13	22.62	-5.70	14.77	<=34.77	Pass
	24			22.49	-5.70	14.64	<=34.77	Pass	
	12		0	21.24	-5.70	13.39	<=34.77	Pass	
			6	21.29	-5.70	13.44	<=34.77	Pass	
			13	21.24	-5.70	13.39	<=34.77	Pass	
	25		0	21.24	-5.70	13.39	<=34.77	Pass	
	784.5		1	0	22.70	-5.70	14.85	<=34.77	Pass
				13	22.80	-5.70	14.95	<=34.77	Pass
		24		22.69	-5.70	14.84	<=34.77	Pass	
		12	0	21.14	-5.70	13.29	<=34.77	Pass	
			6	21.27	-5.70	13.42	<=34.77	Pass	
			13	21.20	-5.70	13.35	<=34.77	Pass	
		25	0	21.15	-5.70	13.30	<=34.77	Pass	



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Shenzhen Branch, Wireless Laboratory

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Report No.: SZCR240100035201

Rev.: 01

Page: 4 of 105

## 1.2 B13\_10MHz\_ERP

### 1.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	ERP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	782	1	0	24.12	-5.70	16.27	<=34.77	Pass
			25	24.32	-5.70	16.47	<=34.77	Pass
			49	24.12	-5.70	16.27	<=34.77	Pass
		25	0	23.23	-5.70	15.38	<=34.77	Pass
			13	23.31	-5.70	15.46	<=34.77	Pass
			25	23.31	-5.70	15.46	<=34.77	Pass
50	0	23.26	-5.70	15.41	<=34.77	Pass		
16QAM	782	1	0	23.34	-5.70	15.49	<=34.77	Pass
			25	23.51	-5.70	15.66	<=34.77	Pass
			49	23.33	-5.70	15.48	<=34.77	Pass
		25	0	22.20	-5.70	14.35	<=34.77	Pass
			13	22.28	-5.70	14.43	<=34.77	Pass
			25	22.29	-5.70	14.44	<=34.77	Pass
50	0	22.25	-5.70	14.40	<=34.77	Pass		
64QAM	782	1	0	22.05	-5.70	14.20	<=34.77	Pass
			25	22.25	-5.70	14.40	<=34.77	Pass
			49	22.08	-5.70	14.23	<=34.77	Pass
		25	0	21.17	-5.70	13.32	<=34.77	Pass
			13	21.21	-5.70	13.36	<=34.77	Pass
			25	21.21	-5.70	13.36	<=34.77	Pass
50	0	21.16	-5.70	13.31	<=34.77	Pass		



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Report No.: SZCR240100035201

Rev.: 01

Page: 5 of 105

## 2. Frequency Stability

### 2.1 B13\_5MHz

#### 2.1.1 Test Result

Band: 13 / Bandwidth: 5MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	779.5	25	0	20	3.6	-8.469	-0.0109	-2.5 to 2.5	Pass	
					3.84	-1.345	-0.0017	-2.5 to 2.5	Pass	
					4.3	-2.704	-0.0035	-2.5 to 2.5	Pass	
				-30	3.84	-2.418	-0.0031	-2.5 to 2.5	Pass	
					-20	3.84	-8.168	-0.0105	-2.5 to 2.5	Pass
						3.84	-8.955	-0.0115	-2.5 to 2.5	Pass
				0	3.84	-4.549	-0.0058	-2.5 to 2.5	Pass	
					10	3.84	-5.064	-0.0065	-2.5 to 2.5	Pass
				30	3.84	-7.138	-0.0092	-2.5 to 2.5	Pass	
	40	3.84	-5.636		-0.0072	-2.5 to 2.5	Pass			
	50	3.84	-5.593	-0.0072	-2.5 to 2.5	Pass				
		20	25	0	20	3.6	-3.433	-0.0044	-2.5 to 2.5	Pass
	3.84					-3.619	-0.0046	-2.5 to 2.5	Pass	
	4.3					-4.606	-0.0059	-2.5 to 2.5	Pass	
	-30	3.84	-5.636	-0.0072	-2.5 to 2.5	Pass				
		-20	3.84	-4.921	-0.0063	-2.5 to 2.5	Pass			
			3.84	-5.879	-0.0075	-2.5 to 2.5	Pass			
	0	3.84	-8.397	-0.0107	-2.5 to 2.5	Pass				
		10	3.84	-6.251	-0.0080	-2.5 to 2.5	Pass			
	30	3.84	-6.709	-0.0086	-2.5 to 2.5	Pass				
		40	3.84	-6.666	-0.0085	-2.5 to 2.5	Pass			
	50	3.84	-4.821	-0.0062	-2.5 to 2.5	Pass				
		20	25	0	20	3.6	-3.605	-0.0046	-2.5 to 2.5	Pass
	3.84					-5.765	-0.0073	-2.5 to 2.5	Pass	
	4.3					-4.792	-0.0061	-2.5 to 2.5	Pass	
	-30	3.84	-7.625	-0.0097	-2.5 to 2.5	Pass				
		-20	3.84	-5.836	-0.0074	-2.5 to 2.5	Pass			
3.84			-9.241	-0.0118	-2.5 to 2.5	Pass				
0	3.84	-2.103	-0.0027	-2.5 to 2.5	Pass					
	10	3.84	-4.878	-0.0062	-2.5 to 2.5	Pass				
30	3.84	-5.493	-0.0070	-2.5 to 2.5	Pass					
	40	3.84	-7.410	-0.0094	-2.5 to 2.5	Pass				
50	3.84	-7.238	-0.0092	-2.5 to 2.5	Pass					
	20	25	0	20	3.6	-2.303	-0.0030	-2.5 to 2.5	Pass	
3.84					-11.458	-0.0147	-2.5 to 2.5	Pass		



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Report No.: SZCR240100035201

Rev.: 01

Page: 6 of 105

64QAM					4.3	-9.456	-0.0121	-2.5 to 2.5	Pass				
				-30	3.84	-9.727	-0.0125	-2.5 to 2.5	Pass				
				-20	3.84	-10.028	-0.0129	-2.5 to 2.5	Pass				
				-10	3.84	-9.542	-0.0122	-2.5 to 2.5	Pass				
				0	3.84	-6.452	-0.0083	-2.5 to 2.5	Pass				
				10	3.84	-8.869	-0.0114	-2.5 to 2.5	Pass				
				30	3.84	-10.228	-0.0131	-2.5 to 2.5	Pass				
				40	3.84	-7.553	-0.0097	-2.5 to 2.5	Pass				
	50	3.84	-4.163	-0.0053	-2.5 to 2.5	Pass							
	782	25	0		20	3.6	-4.678	-0.0060	-2.5 to 2.5	Pass			
						3.84	-3.676	-0.0047	-2.5 to 2.5	Pass			
									4.3	-2.546	-0.0033	-2.5 to 2.5	Pass
					-30	3.84	-4.048	-0.0052	-2.5 to 2.5	Pass			
					-20	3.84	-5.980	-0.0076	-2.5 to 2.5	Pass			
					-10	3.84	-5.736	-0.0073	-2.5 to 2.5	Pass			
					0	3.84	-7.524	-0.0096	-2.5 to 2.5	Pass			
					10	3.84	-3.791	-0.0048	-2.5 to 2.5	Pass			
	30	3.84	-5.422	-0.0069	-2.5 to 2.5	Pass							
	40	3.84	-4.077	-0.0052	-2.5 to 2.5	Pass							
	50	3.84	-4.549	-0.0058	-2.5 to 2.5	Pass							
	784.5	25	0		20	3.6	-3.648	-0.0047	-2.5 to 2.5	Pass			
						3.84	-2.260	-0.0029	-2.5 to 2.5	Pass			
									4.3	-8.397	-0.0107	-2.5 to 2.5	Pass
					-30	3.84	-6.094	-0.0078	-2.5 to 2.5	Pass			
					-20	3.84	-2.060	-0.0026	-2.5 to 2.5	Pass			
					-10	3.84	-7.482	-0.0095	-2.5 to 2.5	Pass			
					0	3.84	0.029	0.0000	-2.5 to 2.5	Pass			
					10	3.84	-5.193	-0.0066	-2.5 to 2.5	Pass			
30	3.84	-9.427	-0.0120	-2.5 to 2.5	Pass								
40	3.84	-9.184	-0.0117	-2.5 to 2.5	Pass								
50	3.84	-4.935	-0.0063	-2.5 to 2.5	Pass								
779.5	25	0		20	3.6	-1.445	-0.0019	-2.5 to 2.5	Pass				
					3.84	-2.818	-0.0036	-2.5 to 2.5	Pass				
								4.3	-7.367	-0.0095	-2.5 to 2.5	Pass	
				-30	3.84	-5.322	-0.0068	-2.5 to 2.5	Pass				
				-20	3.84	-10.414	-0.0134	-2.5 to 2.5	Pass				
				-10	3.84	-2.389	-0.0031	-2.5 to 2.5	Pass				
				0	3.84	-6.280	-0.0081	-2.5 to 2.5	Pass				
				10	3.84	-7.567	-0.0097	-2.5 to 2.5	Pass				
	30	3.84	-4.749	-0.0061	-2.5 to 2.5	Pass							
	40	3.84	-4.792	-0.0061	-2.5 to 2.5	Pass							
	50	3.84	-6.022	-0.0077	-2.5 to 2.5	Pass							
	782	25	0		20	3.6	-2.618	-0.0033	-2.5 to 2.5	Pass			
						3.84	-1.545	-0.0020	-2.5 to 2.5	Pass			
									4.3	-7.610	-0.0097	-2.5 to 2.5	Pass
					-30	3.84	-8.755	-0.0112	-2.5 to 2.5	Pass			
					-20	3.84	-6.094	-0.0078	-2.5 to 2.5	Pass			
-10					3.84	-7.939	-0.0102	-2.5 to 2.5	Pass				



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Report No.: SZCR240100035201

Rev.: 01

Page: 7 of 105

				0	3.84	-7.768	-0.0099	-2.5 to 2.5	Pass			
				10	3.84	-2.418	-0.0031	-2.5 to 2.5	Pass			
				30	3.84	-3.576	-0.0046	-2.5 to 2.5	Pass			
				40	3.84	-6.981	-0.0089	-2.5 to 2.5	Pass			
				50	3.84	-6.280	-0.0080	-2.5 to 2.5	Pass			
	784.5	25	0	20	3.6	-5.822	-0.0074	-2.5 to 2.5	Pass			
3.84					-8.097	-0.0103	-2.5 to 2.5	Pass				
4.3					-5.965	-0.0076	-2.5 to 2.5	Pass				
							-30	3.84	-7.081	-0.0090	-2.5 to 2.5	Pass
							-20	3.84	-8.798	-0.0112	-2.5 to 2.5	Pass
							-10	3.84	-5.236	-0.0067	-2.5 to 2.5	Pass
							0	3.84	-3.576	-0.0046	-2.5 to 2.5	Pass
							10	3.84	-6.766	-0.0086	-2.5 to 2.5	Pass
							30	3.84	-6.208	-0.0079	-2.5 to 2.5	Pass
							40	3.84	-5.422	-0.0069	-2.5 to 2.5	Pass
							50	3.84	-6.065	-0.0077	-2.5 to 2.5	Pass



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Report No.: SZCR240100035201

Rev.: 01

Page: 8 of 105

## 2.2 B13\_10MHz

### 2.2.1 Test Result

Band: 13 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	782	50	0	20	3.6	-6.795	-0.0087	-2.5 to 2.5	Pass
					3.84	-5.236	-0.0067	-2.5 to 2.5	Pass
					4.3	-6.938	-0.0089	-2.5 to 2.5	Pass
				-30	3.84	-6.795	-0.0087	-2.5 to 2.5	Pass
					-20	3.84	-7.925	-0.0101	-2.5 to 2.5
				-10	3.84	-4.249	-0.0054	-2.5 to 2.5	Pass
					0	3.84	-3.505	-0.0045	-2.5 to 2.5
				10	3.84	-5.808	-0.0074	-2.5 to 2.5	Pass
				30	3.84	-6.709	-0.0086	-2.5 to 2.5	Pass
				40	3.84	-1.559	-0.0020	-2.5 to 2.5	Pass
50	3.84	-4.892	-0.0063	-2.5 to 2.5	Pass				
16QAM	782	50	0	20	3.6	-6.151	-0.0079	-2.5 to 2.5	Pass
					3.84	-9.584	-0.0123	-2.5 to 2.5	Pass
					4.3	-7.710	-0.0099	-2.5 to 2.5	Pass
				-30	3.84	-10.300	-0.0132	-2.5 to 2.5	Pass
					-20	3.84	-8.397	-0.0107	-2.5 to 2.5
				-10	3.84	-8.240	-0.0105	-2.5 to 2.5	Pass
					0	3.84	-3.562	-0.0046	-2.5 to 2.5
				10	3.84	-5.422	-0.0069	-2.5 to 2.5	Pass
				30	3.84	-5.851	-0.0075	-2.5 to 2.5	Pass
				40	3.84	-6.680	-0.0085	-2.5 to 2.5	Pass
50	3.84	-7.067	-0.0090	-2.5 to 2.5	Pass				
64QAM	782	50	0	20	3.6	-2.303	-0.0029	-2.5 to 2.5	Pass
					3.84	-5.751	-0.0074	-2.5 to 2.5	Pass
					4.3	-8.168	-0.0104	-2.5 to 2.5	Pass
				-30	3.84	-6.509	-0.0083	-2.5 to 2.5	Pass
					-20	3.84	-8.698	-0.0111	-2.5 to 2.5
				-10	3.84	-7.725	-0.0099	-2.5 to 2.5	Pass
					0	3.84	-8.755	-0.0112	-2.5 to 2.5
				10	3.84	-7.668	-0.0098	-2.5 to 2.5	Pass
				30	3.84	-9.270	-0.0119	-2.5 to 2.5	Pass
				40	3.84	-8.683	-0.0111	-2.5 to 2.5	Pass
50	3.84	-7.167	-0.0092	-2.5 to 2.5	Pass				



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Report No.: SZCR240100035201

Rev.: 01

Page: 9 of 105

## 3. 99% & 26dB Bandwidth

### 3.1 Band13\_OBW

#### 3.1.1 Test Result

Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	4.579	/	Pass
		782	25	0	4.573	/	Pass
		784.5	25	0	4.556	/	Pass
	16QAM	779.5	25	0	4.569	/	Pass
		782	25	0	4.595	/	Pass
		784.5	25	0	4.576	/	Pass
	64QAM	779.5	25	0	4.554	/	Pass
		782	25	0	4.588	/	Pass
		784.5	25	0	4.573	/	Pass
10	QPSK	782	50	0	9.061	/	Pass
	16QAM	782	50	0	9.089	/	Pass
	64QAM	782	50	0	9.033	/	Pass



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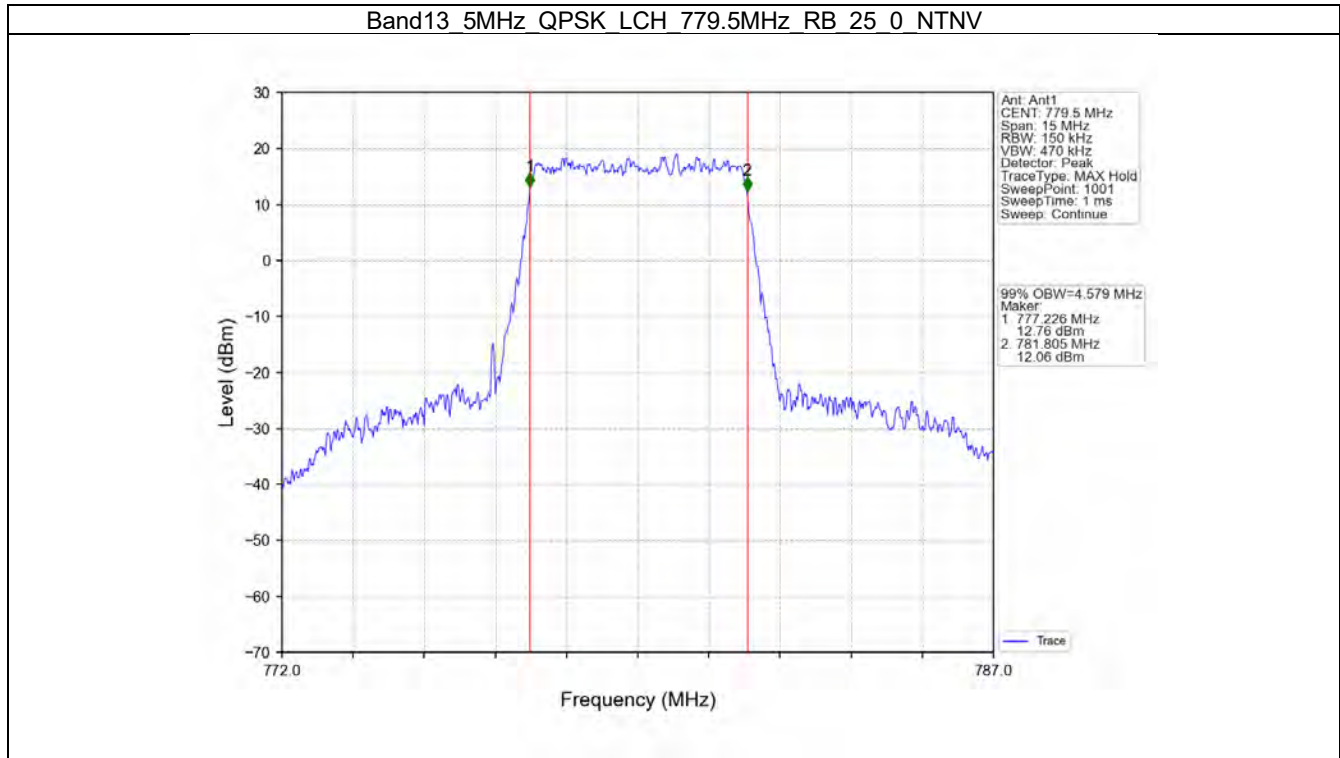
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Report No.: SZCR240100035201

Rev.: 01

Page: 10 of 105

3.1.2 Test Graph



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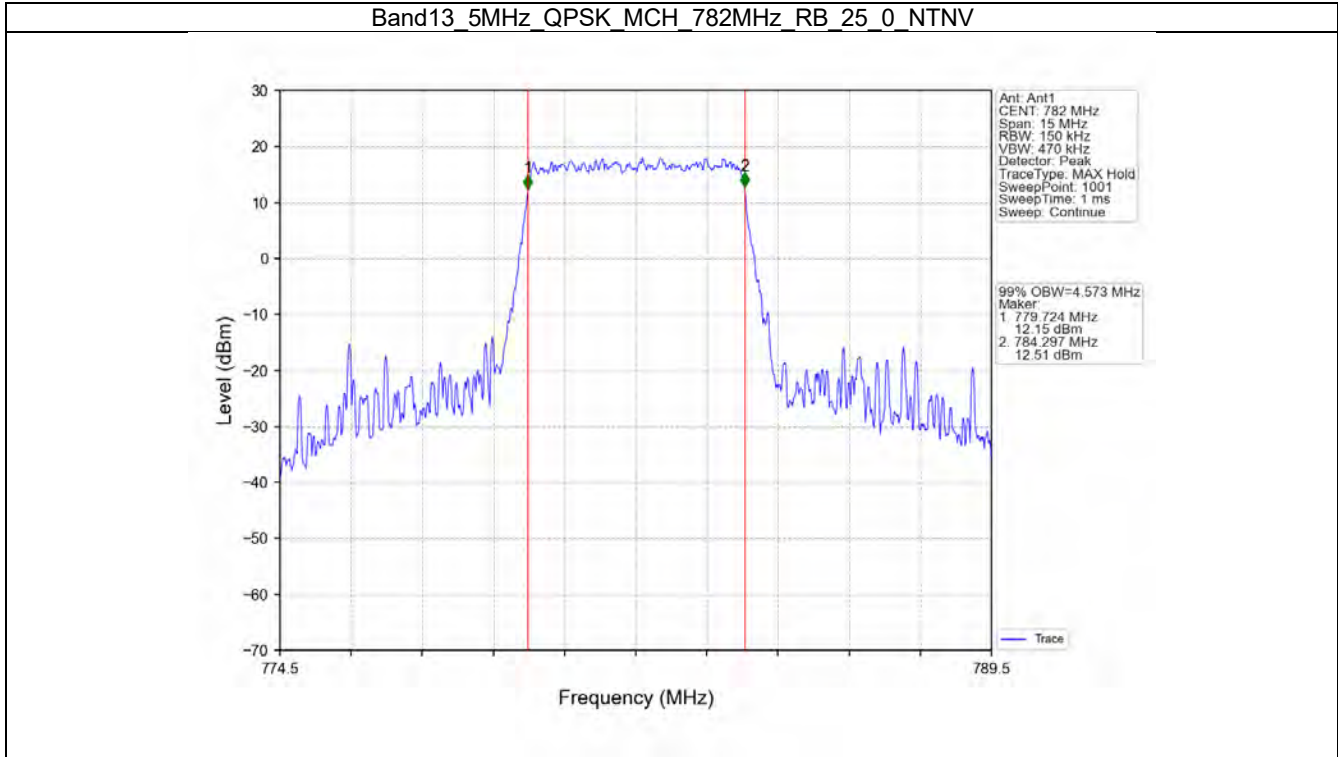


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Report No.: SZCR240100035201

Rev.: 01

Page: 11 of 105



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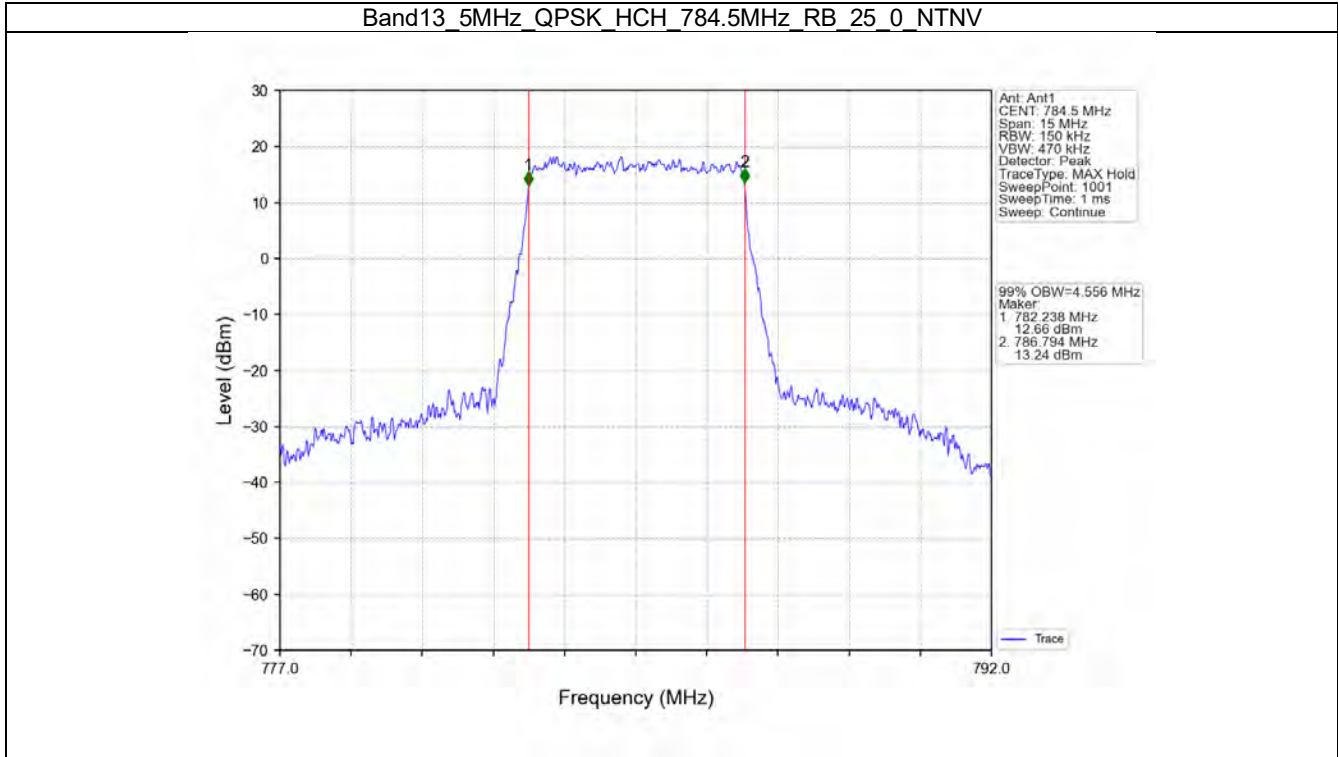


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Report No.: SZCR240100035201

Rev.: 01

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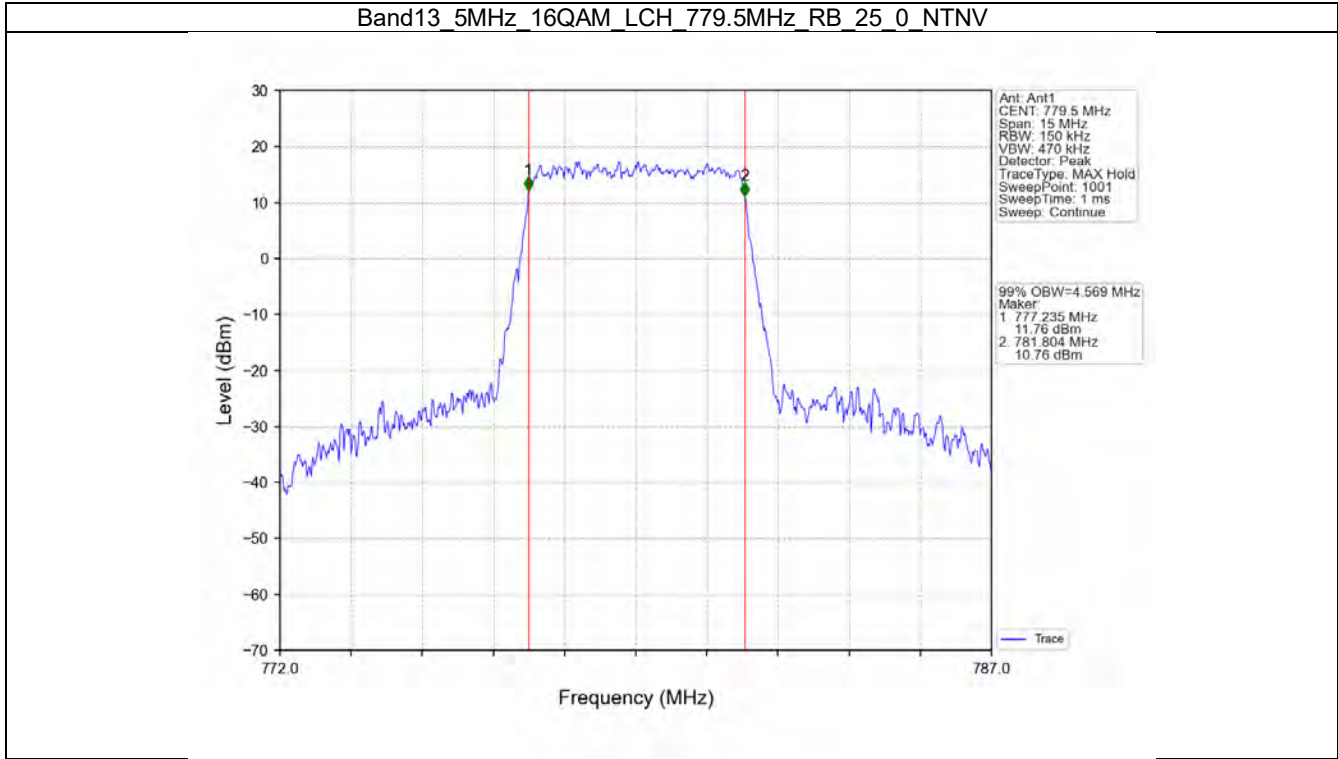


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Report No.: SZCR240100035201

Rev.: 01

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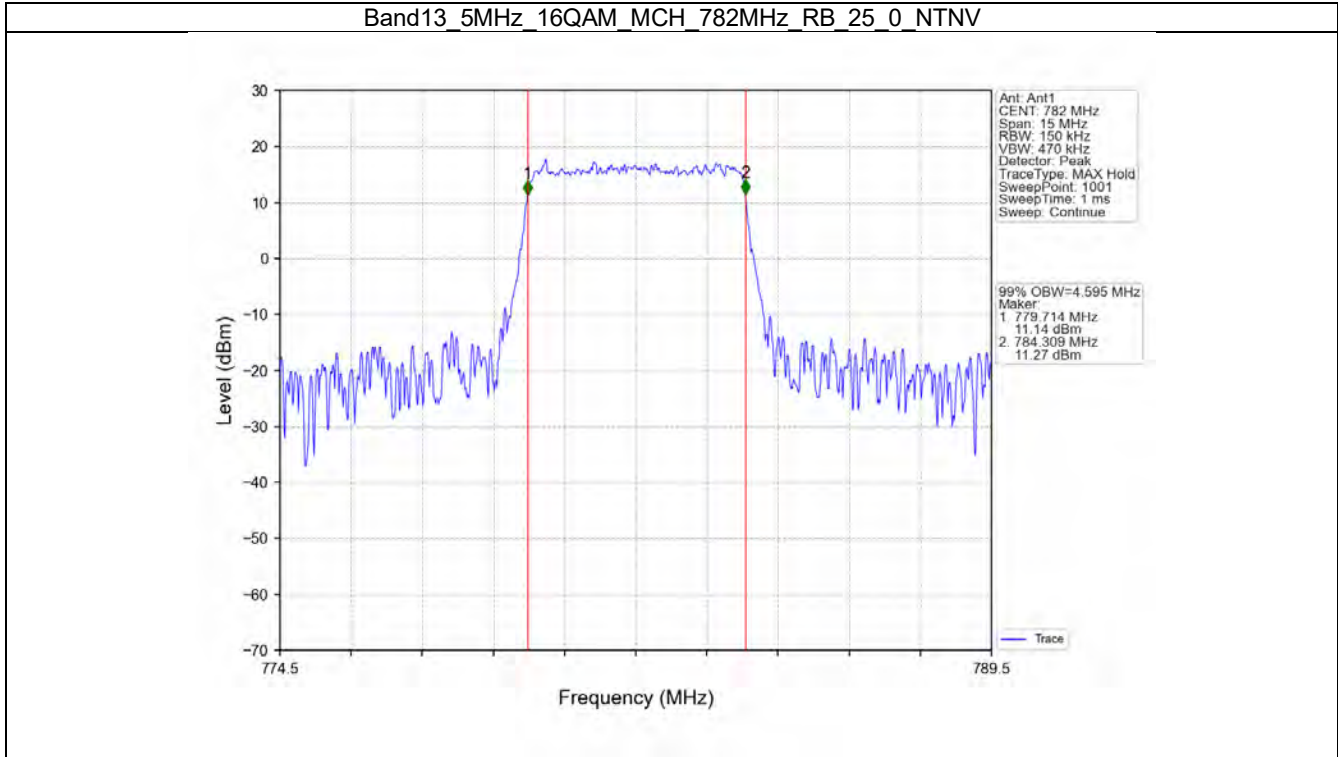


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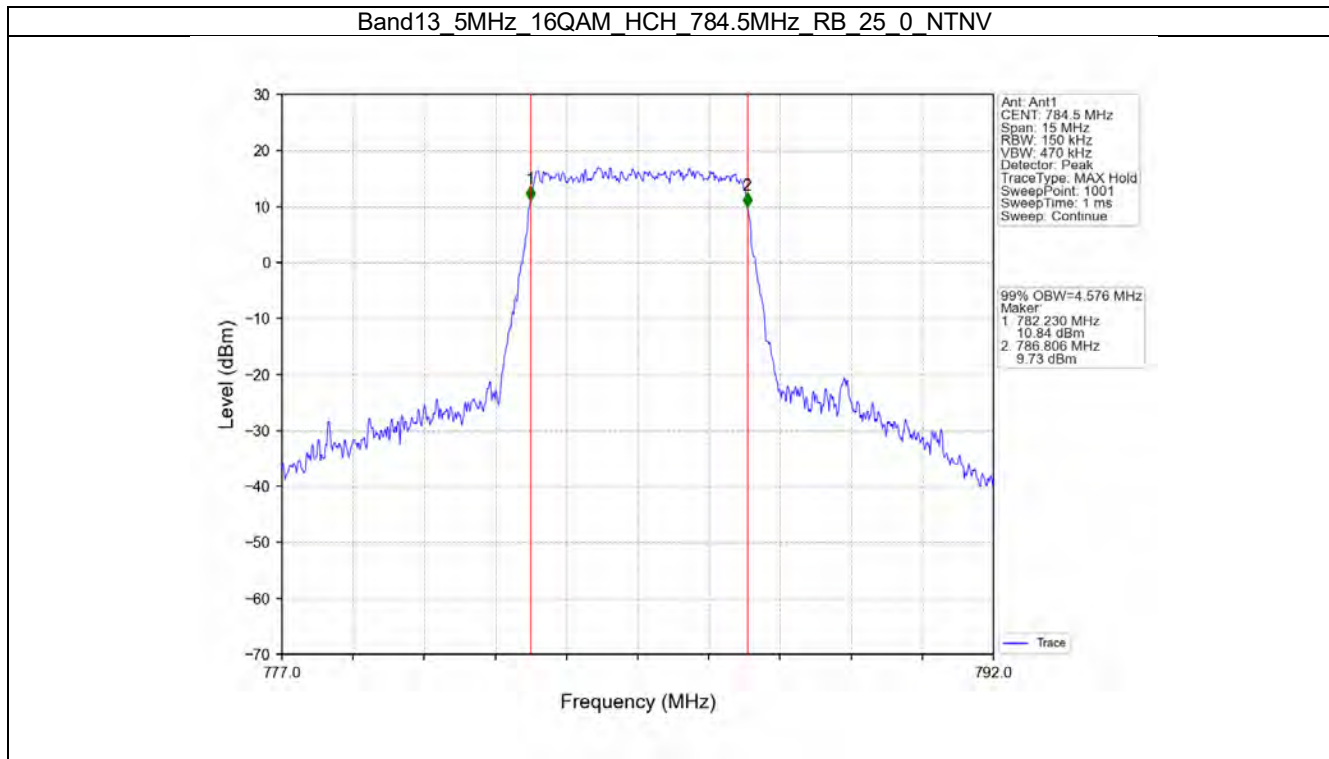
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Rev.: 01  
Page: 15 of 105



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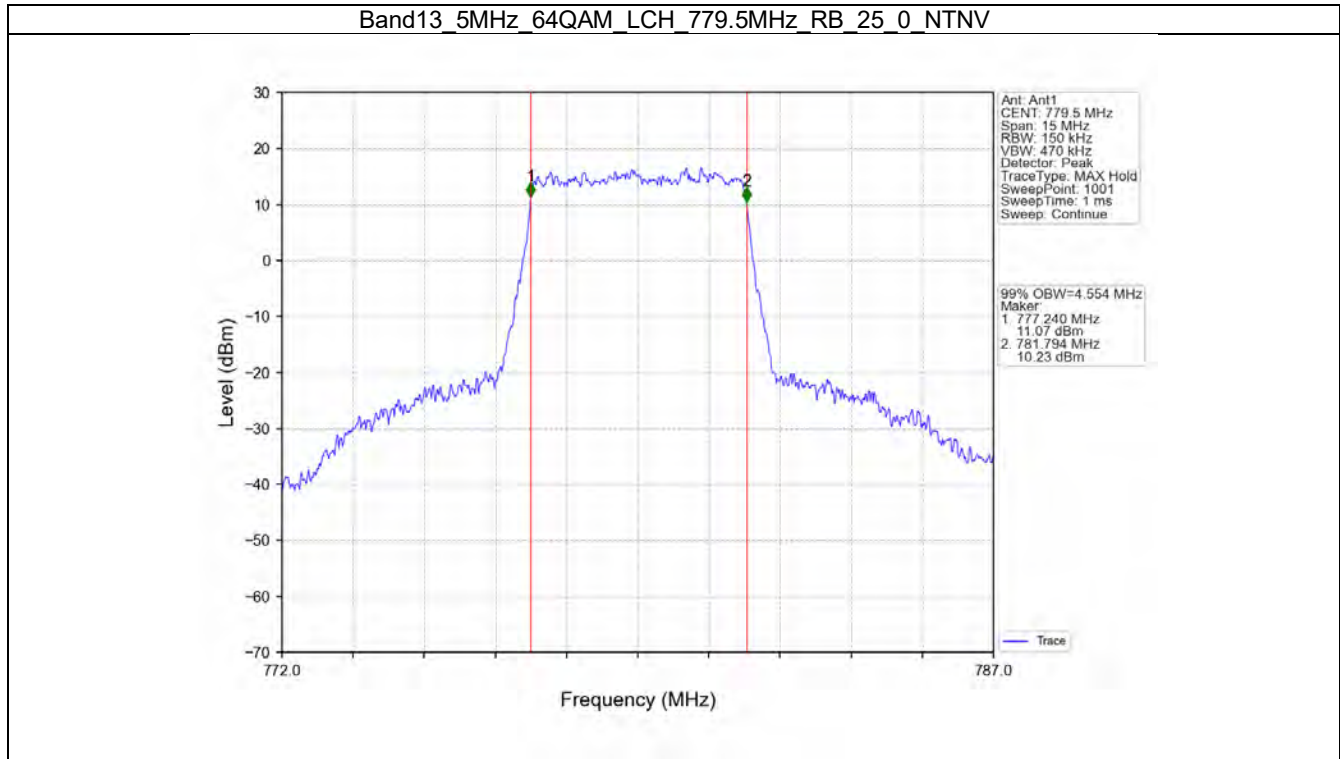


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Rev.: 01

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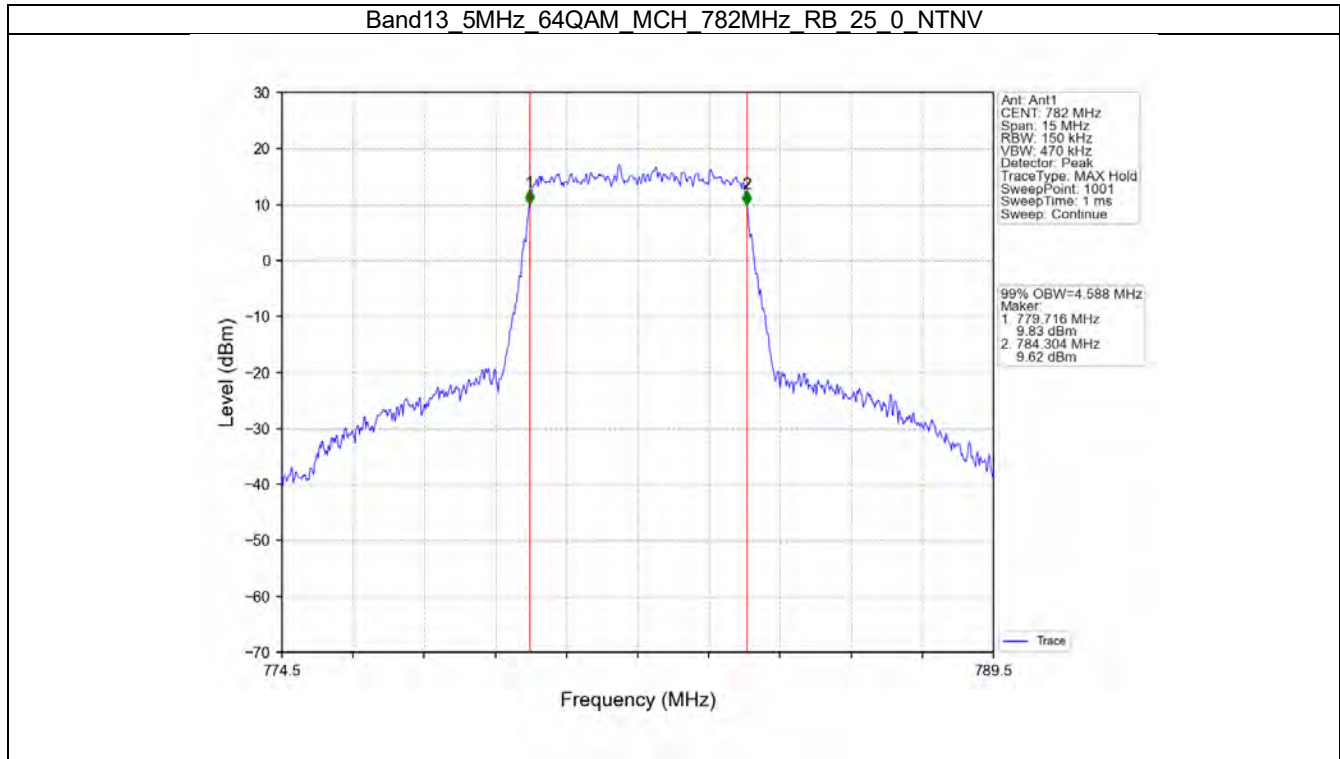


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Rev.: 01

Page: 17 of 105



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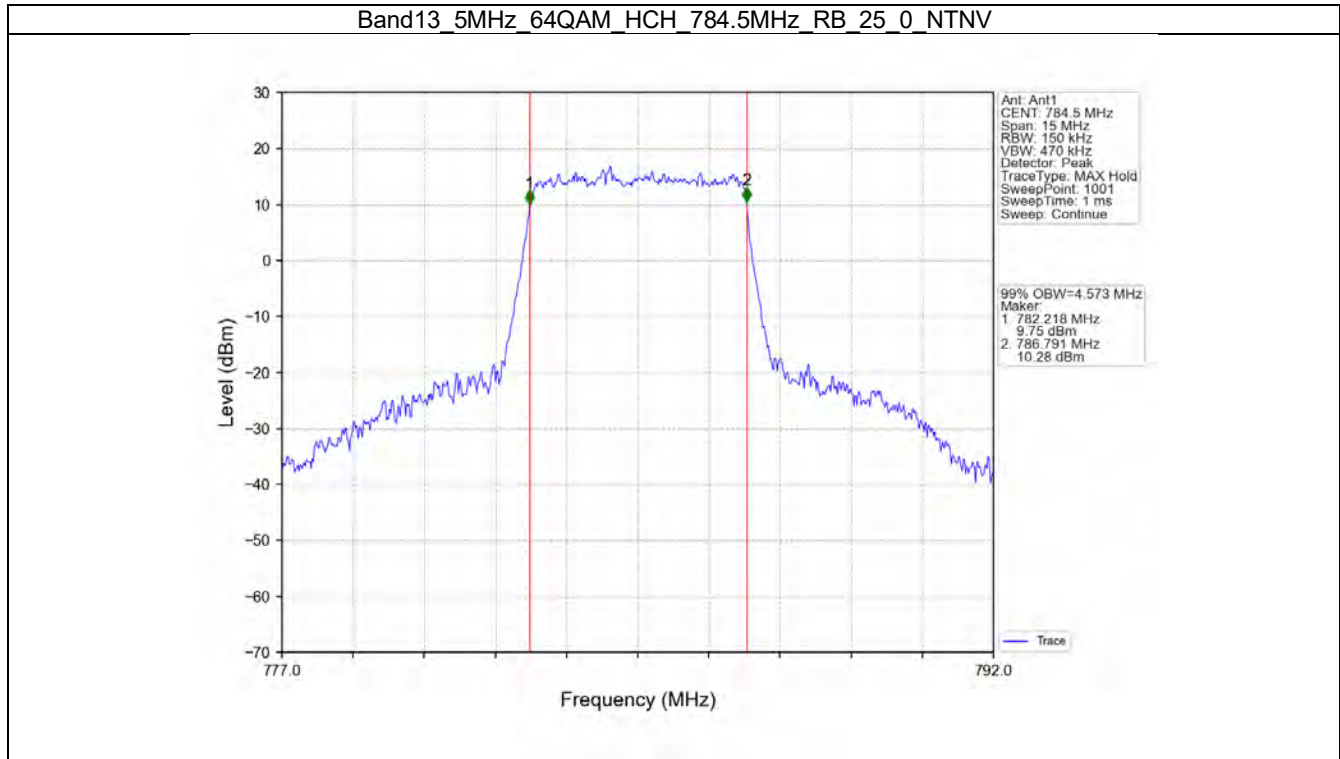


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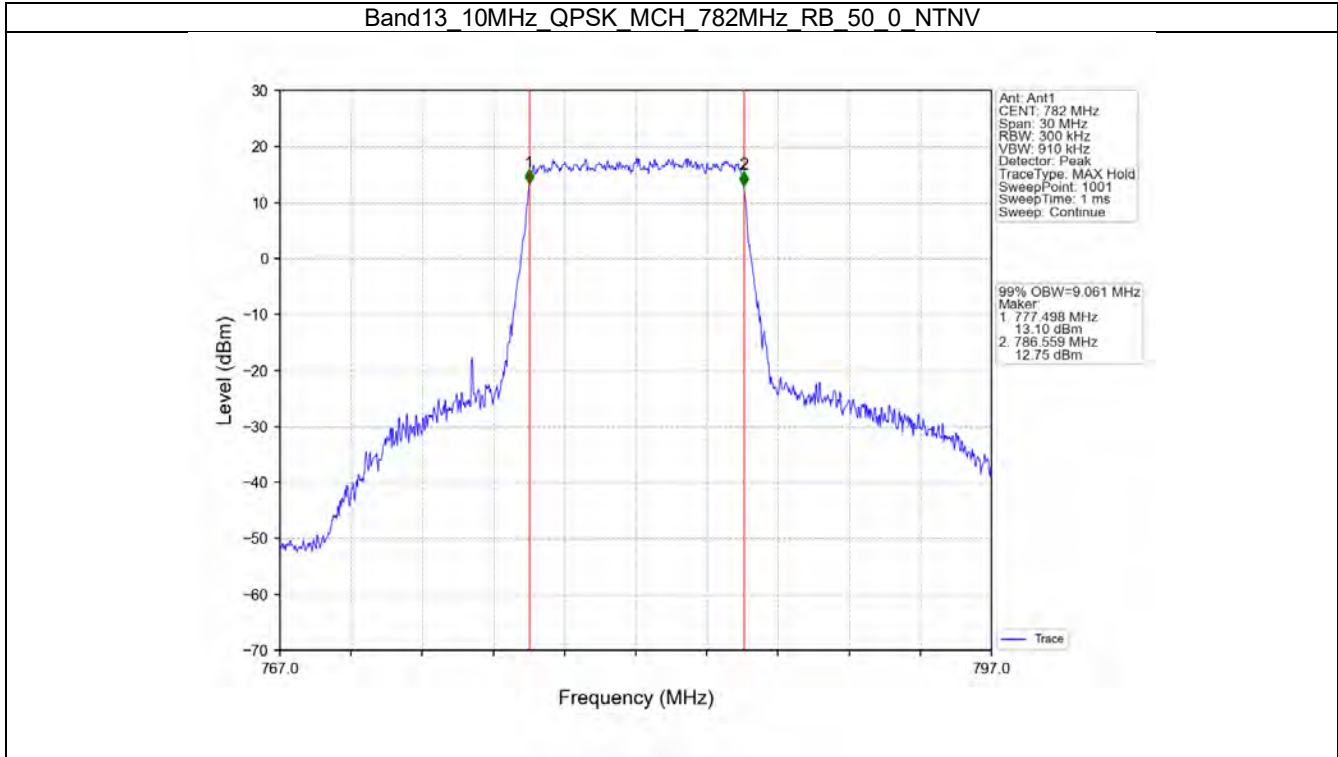


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Report No.: SZCR240100035201

Rev.: 01

Page: 19 of 105



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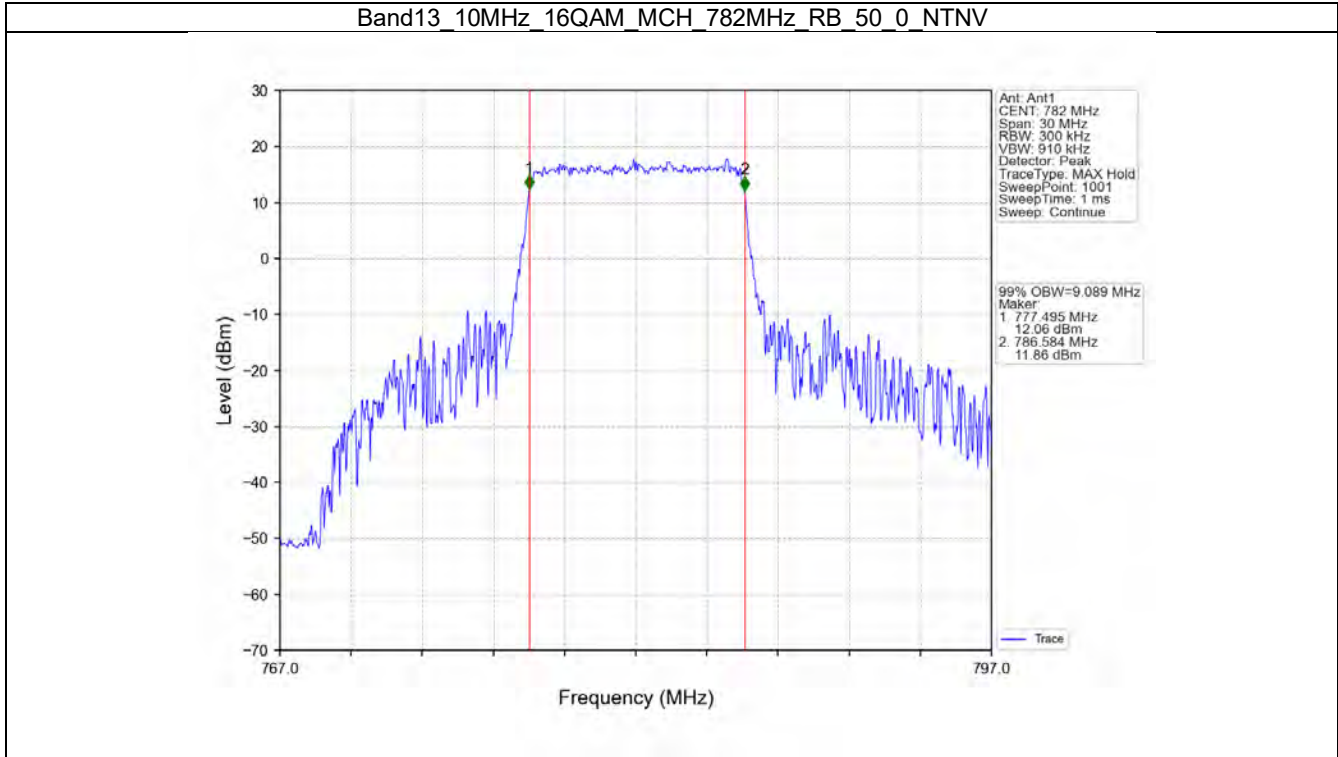


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Report No.: SZCR240100035201

Rev.: 01

Page: 20 of 105



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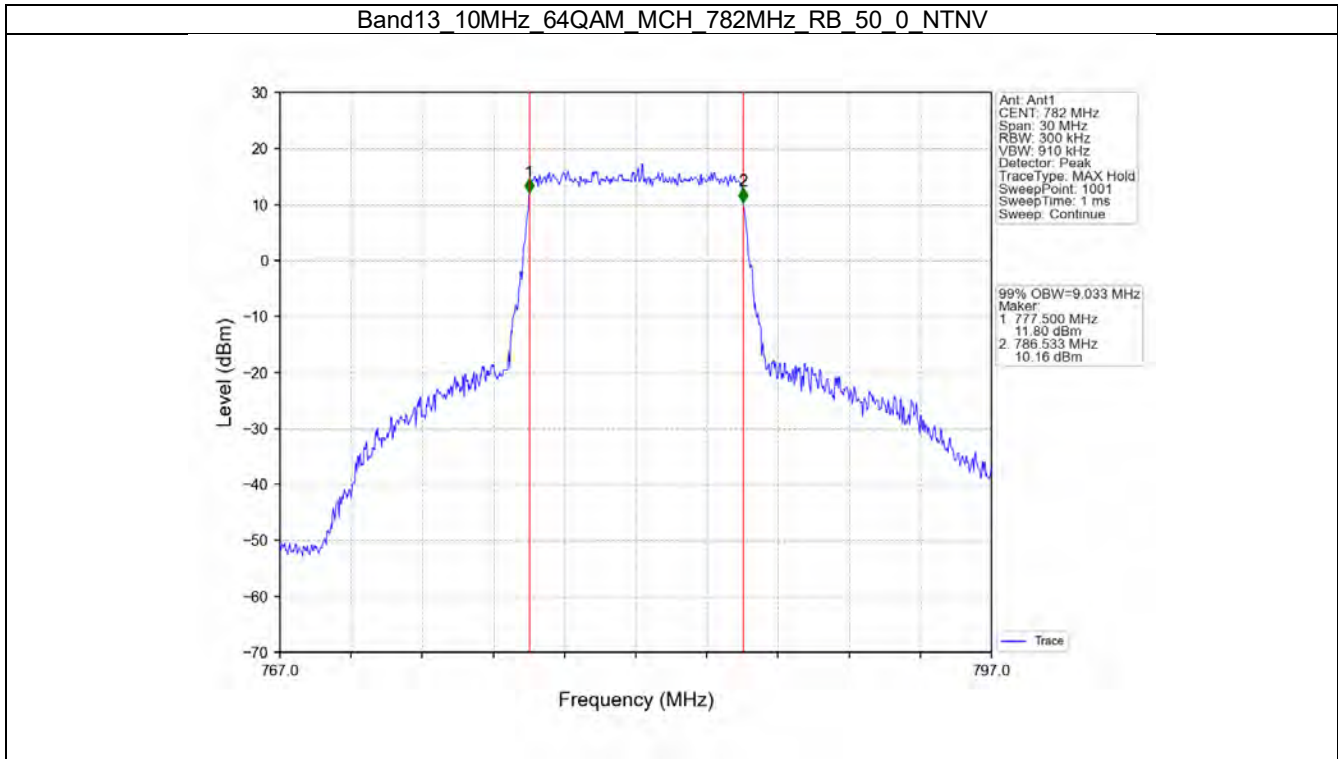


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Report No.: SZCR240100035201

Rev.: 01

Page: 21 of 105



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Report No.: SZCR240100035201

Rev.: 01

Page: 22 of 105

## 3.2 Band13\_XDB

### 3.2.1 Test Result

Band: 13 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	779.5	25	0	5.241	/	Pass
		782	25	0	5.249	/	Pass
		784.5	25	0	5.282	/	Pass
	16QAM	779.5	25	0	5.263	/	Pass
		782	25	0	5.290	/	Pass
		784.5	25	0	5.312	/	Pass
	64QAM	779.5	25	0	5.216	/	Pass
		782	25	0	5.252	/	Pass
		784.5	25	0	5.212	/	Pass
10	QPSK	782	50	0	10.258	/	Pass
	16QAM	782	50	0	10.562	/	Pass
	64QAM	782	50	0	10.146	/	Pass



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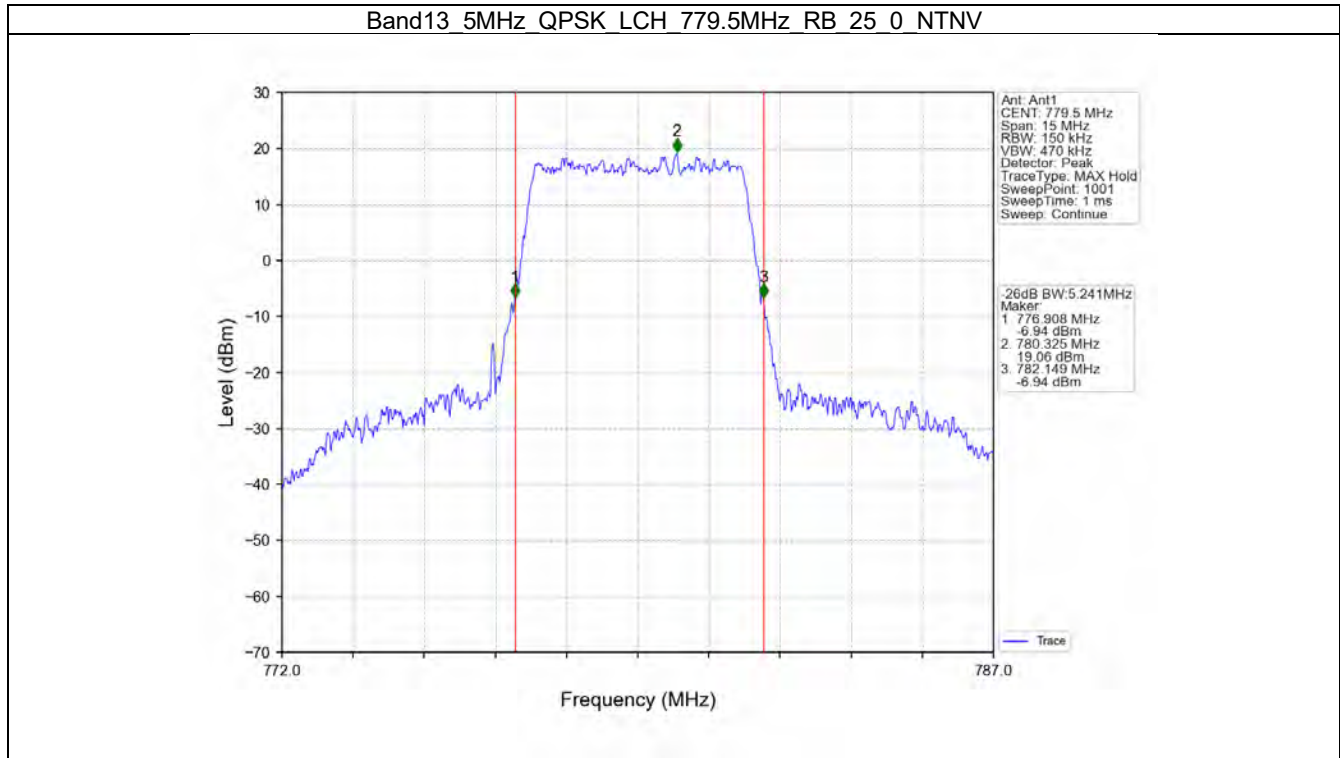
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Report No.: SZCR240100035201

Rev.: 01

Page: 23 of 105

## 3.2.2 Test Graph



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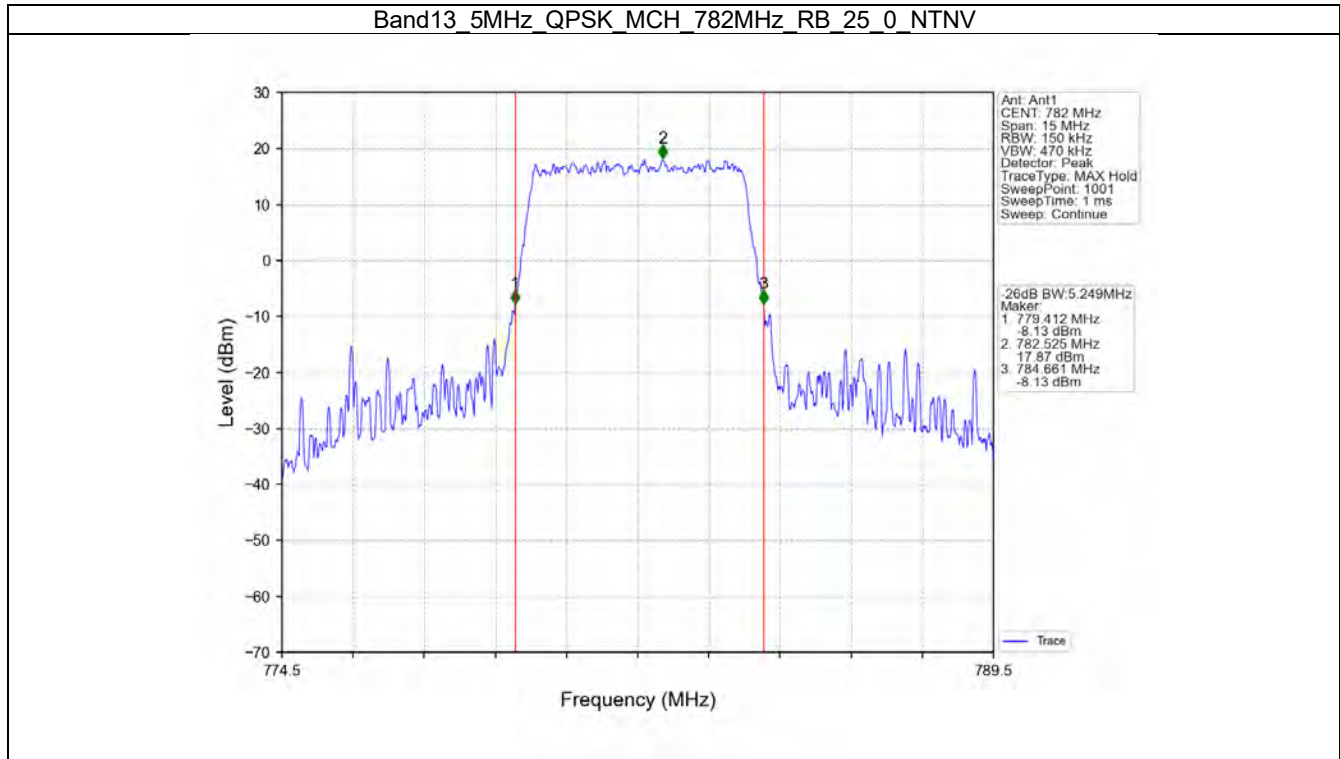


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Report No.: SZCR240100035201

Rev.: 01

Page: 24 of 105



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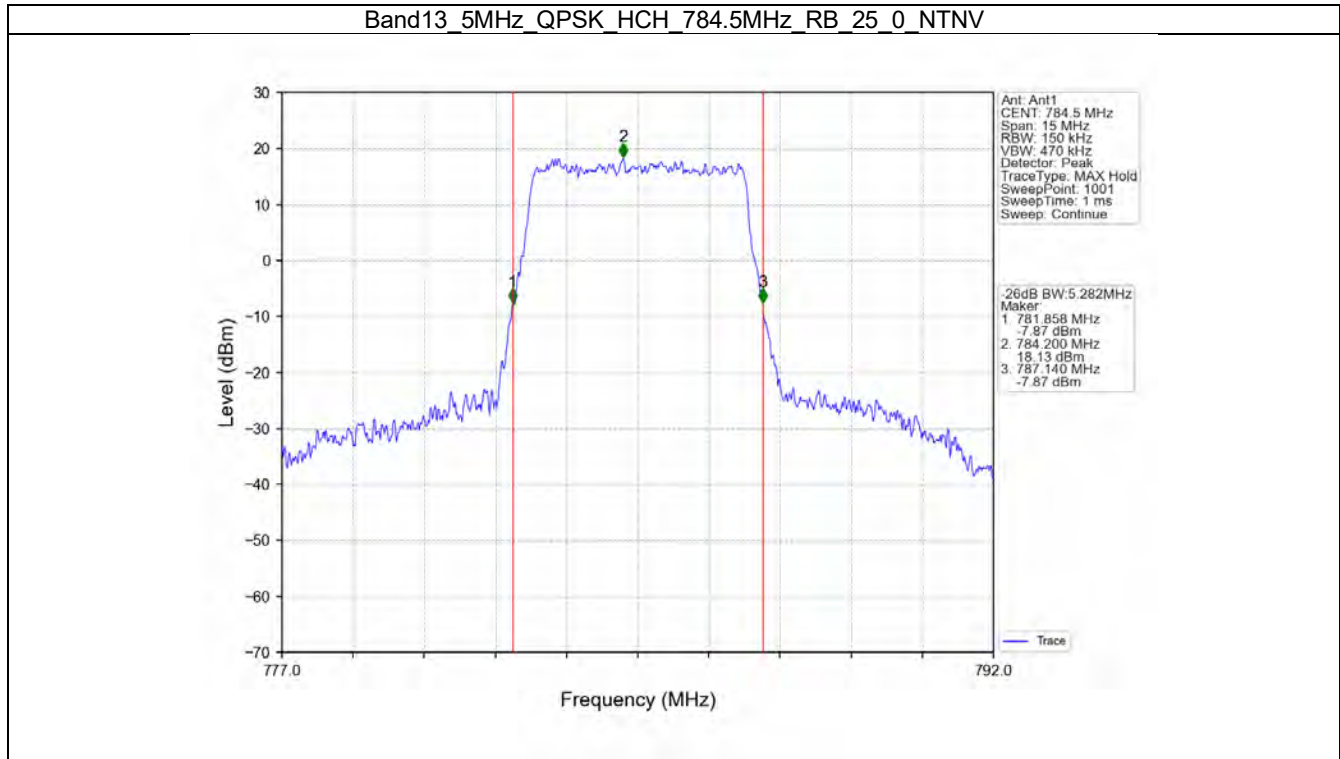


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Report No.: SZCR240100035201

Rev.: 01

Page: 25 of 105



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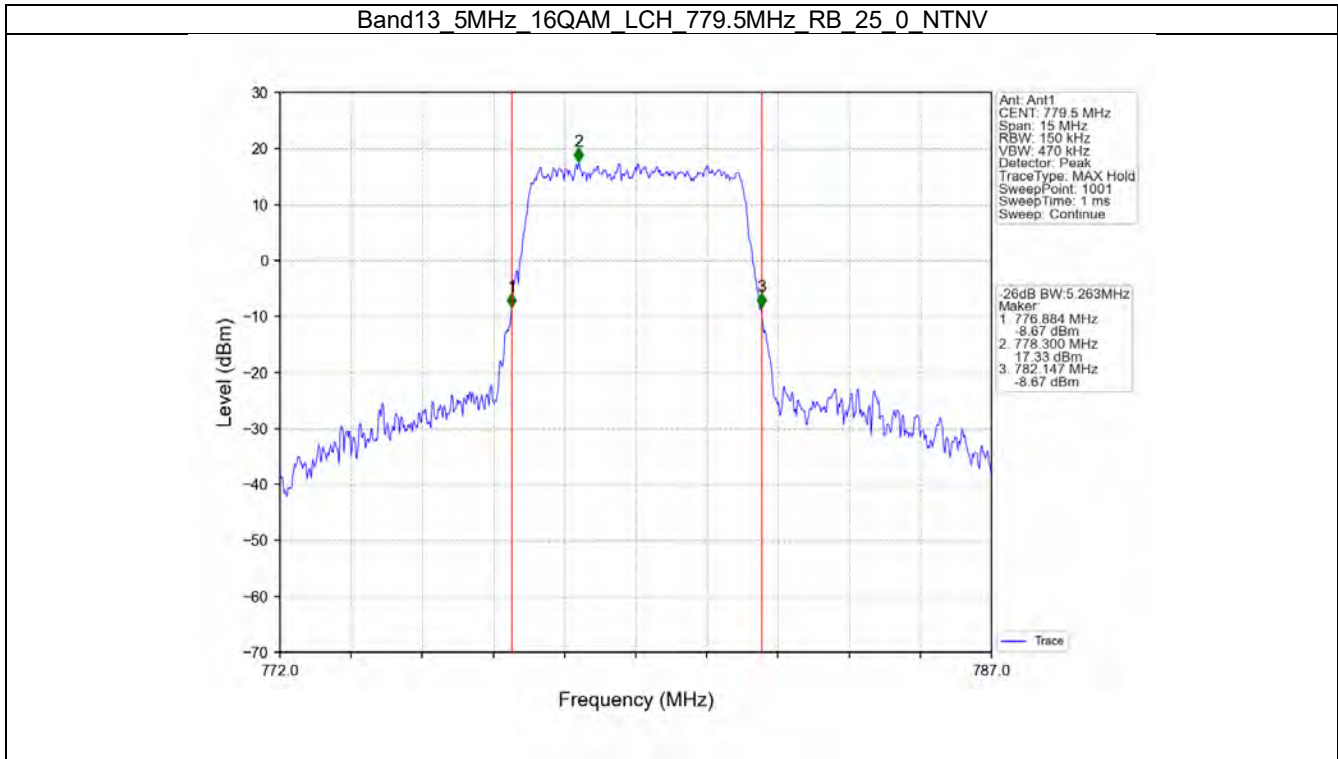


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Rev.: 01

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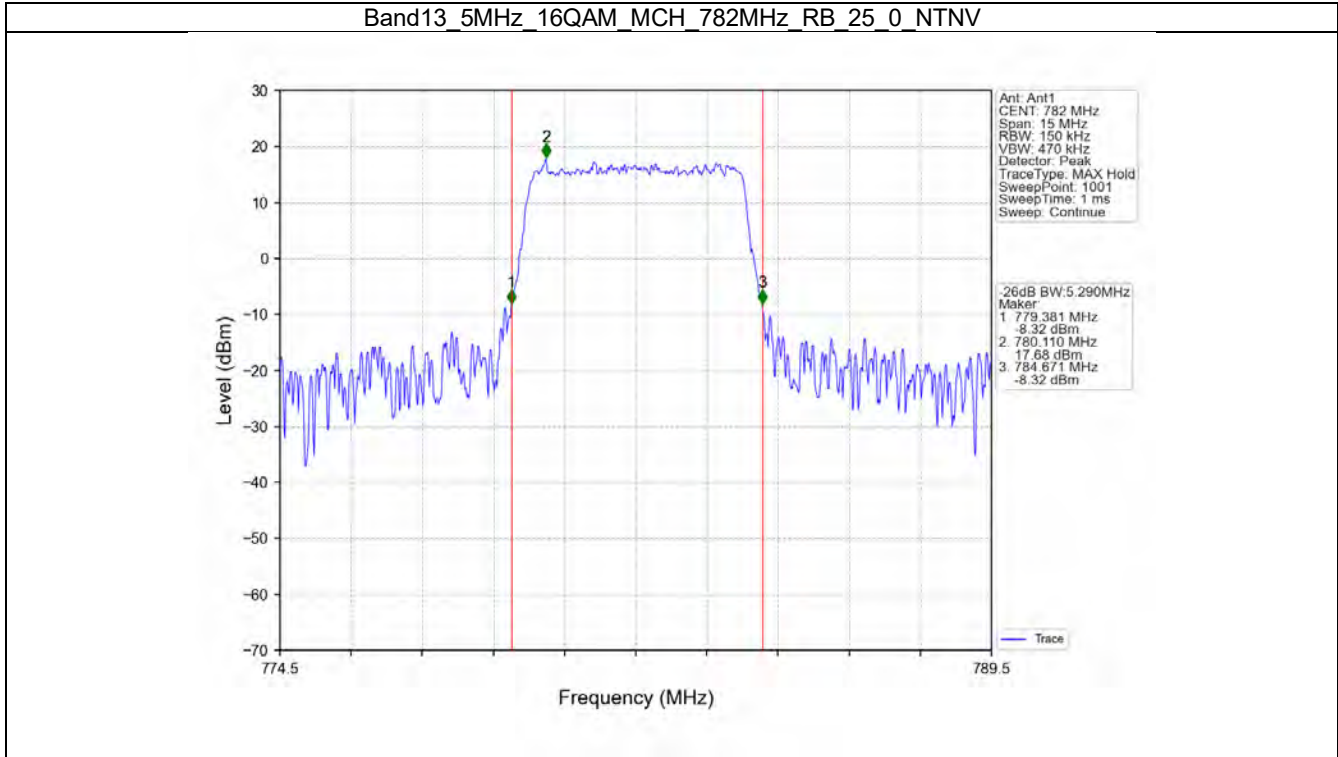


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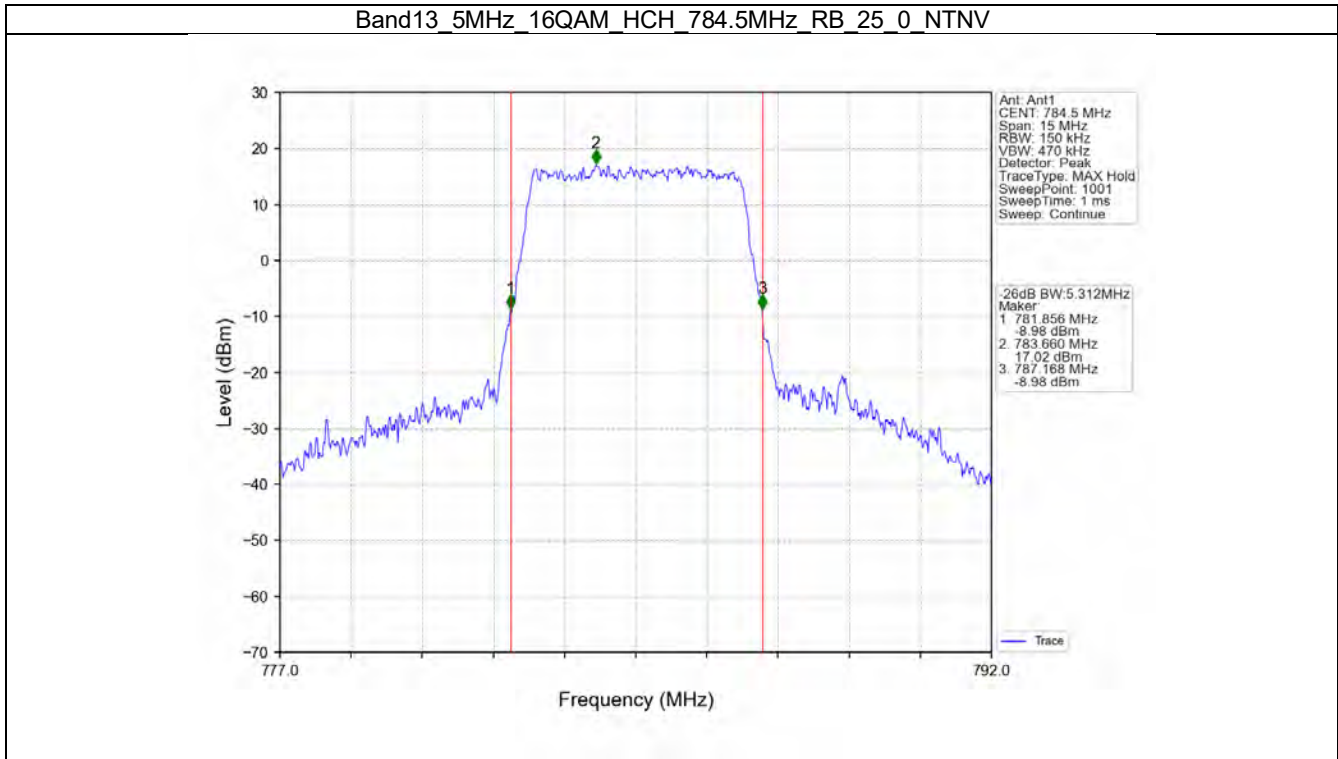


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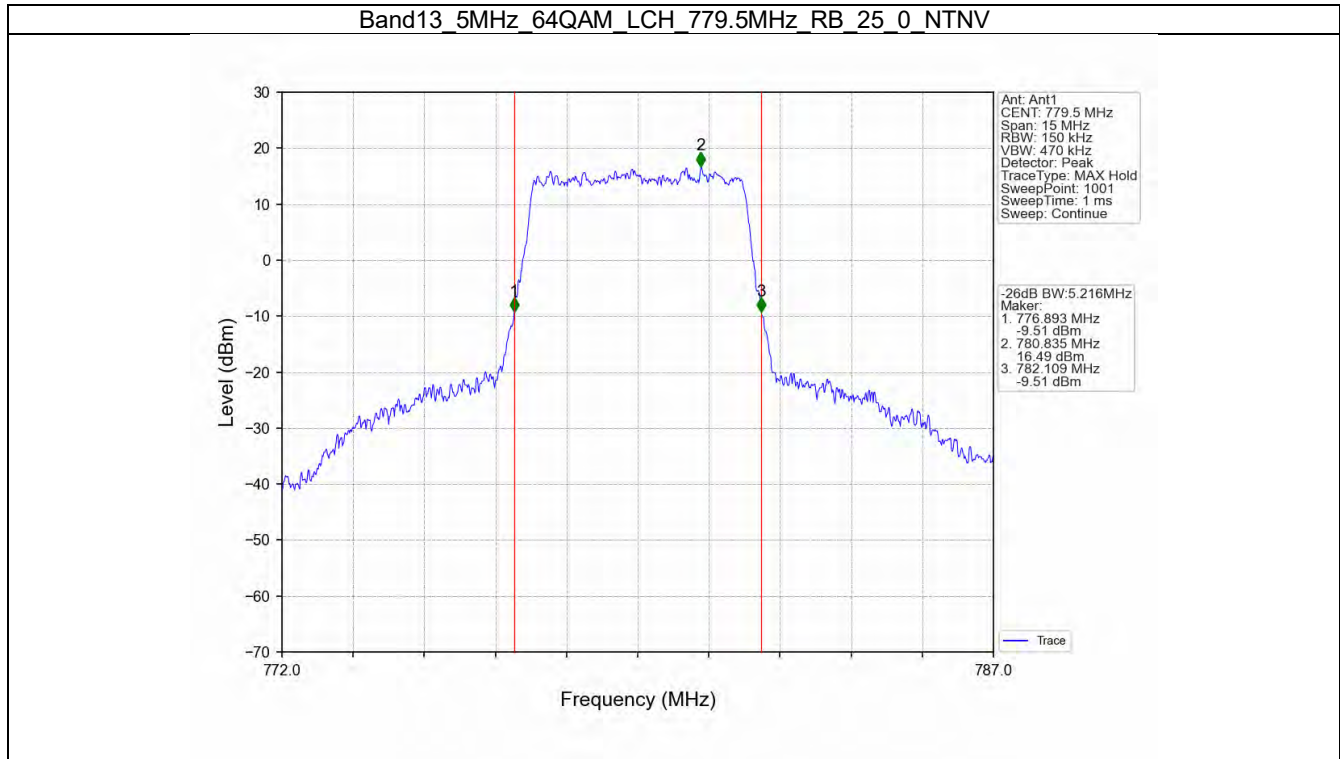


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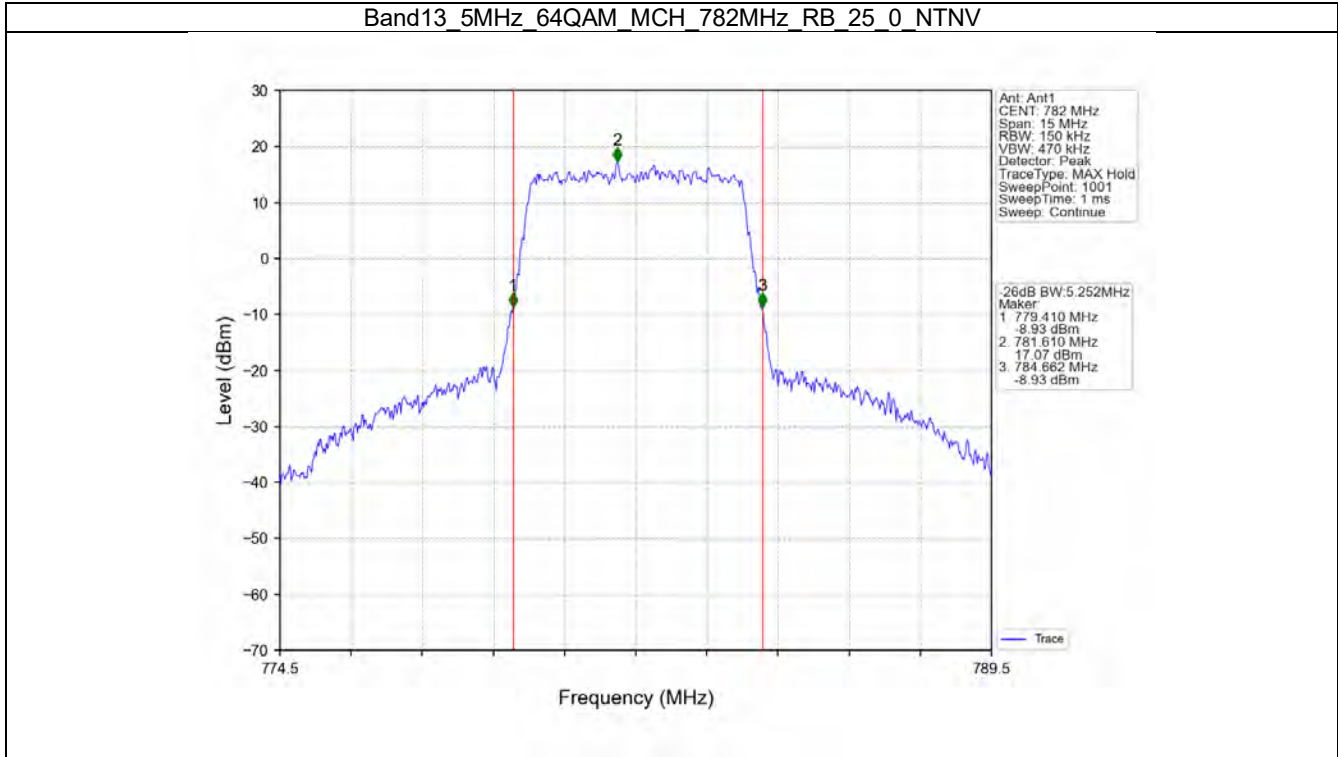


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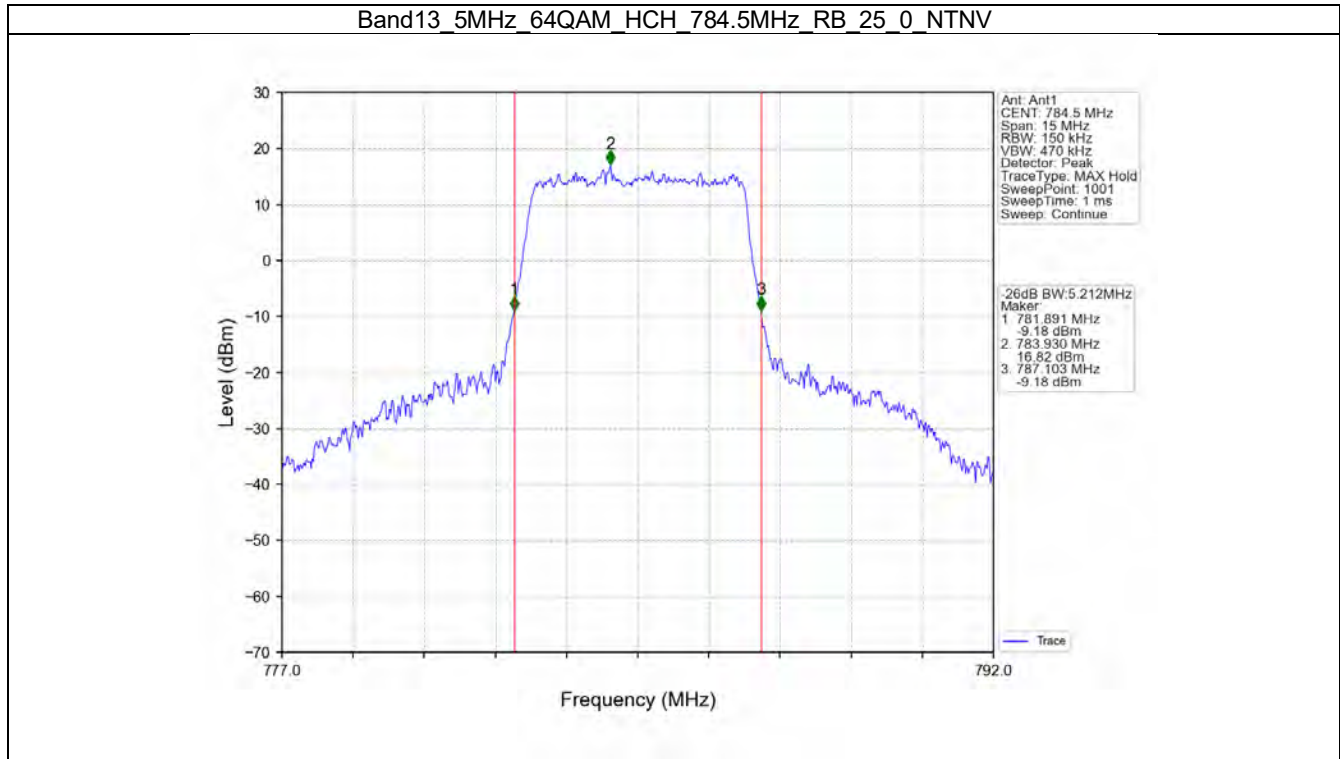


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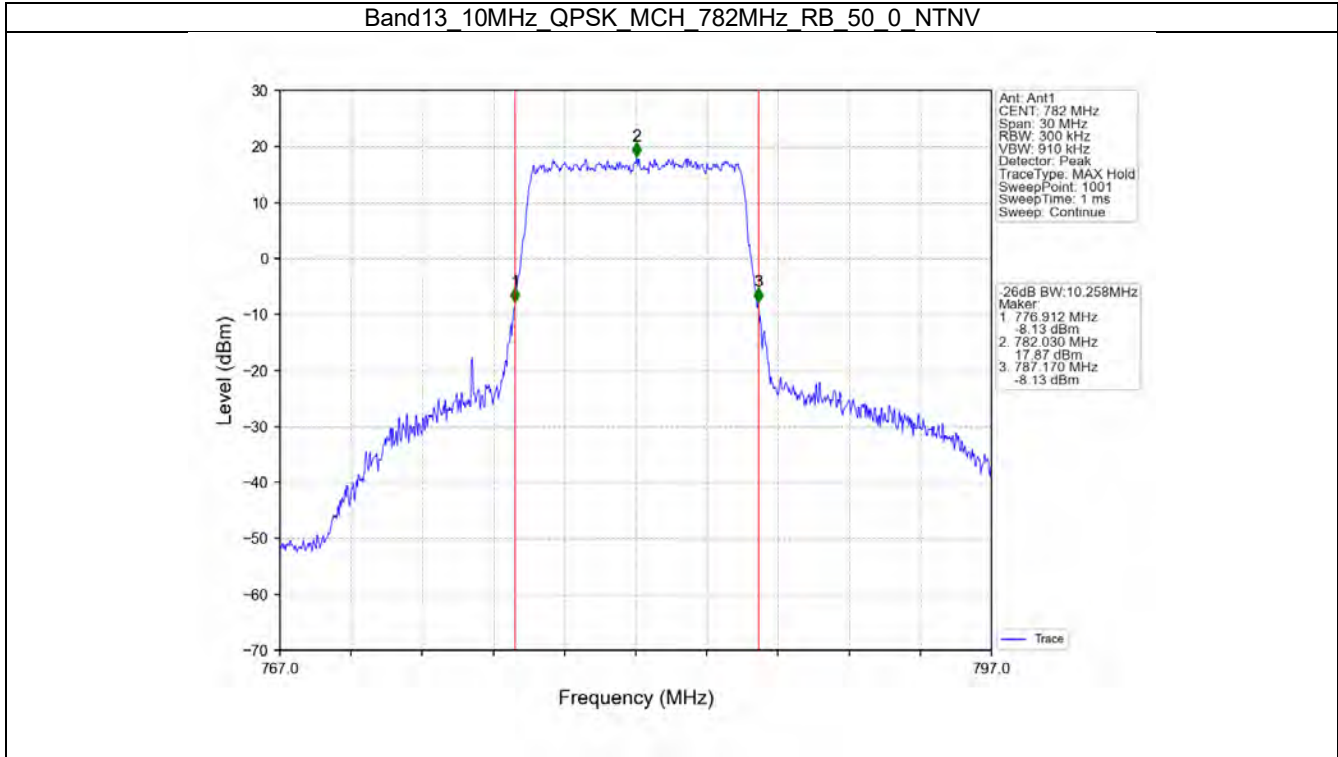


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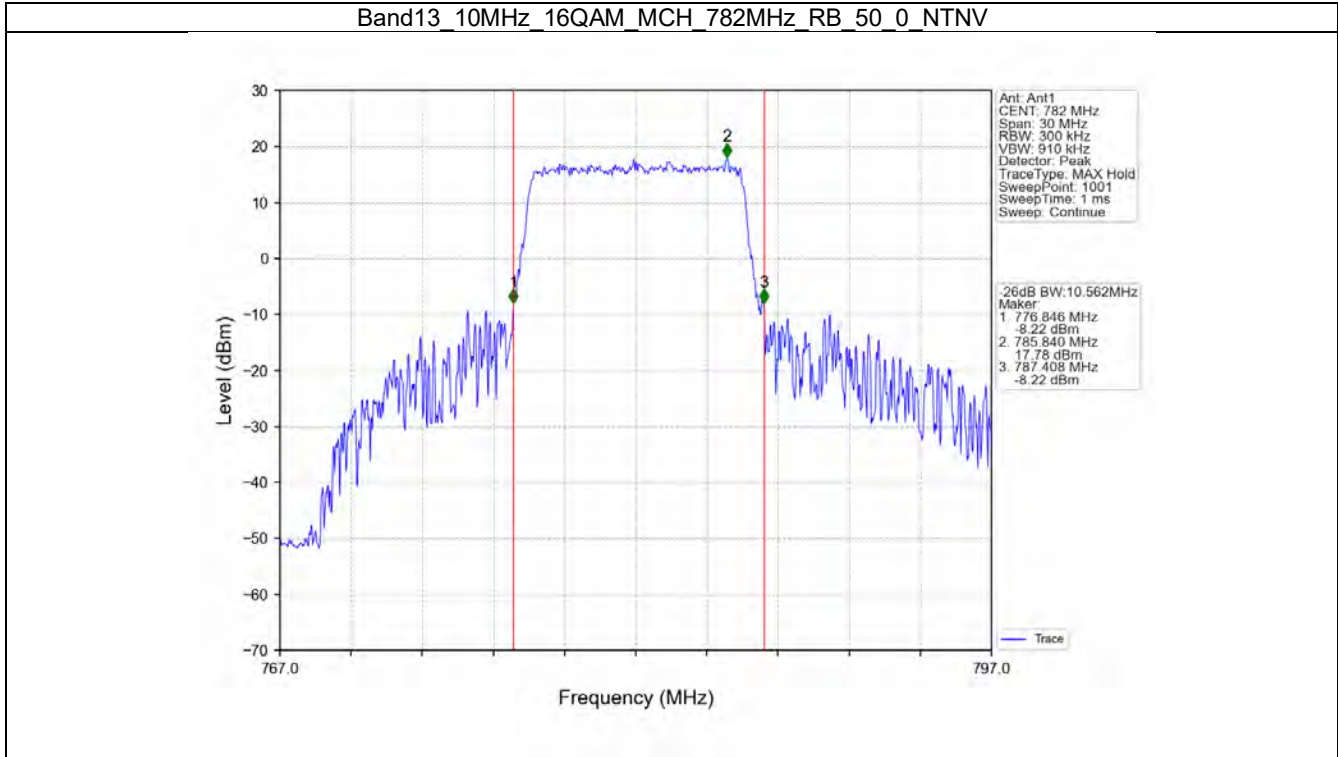


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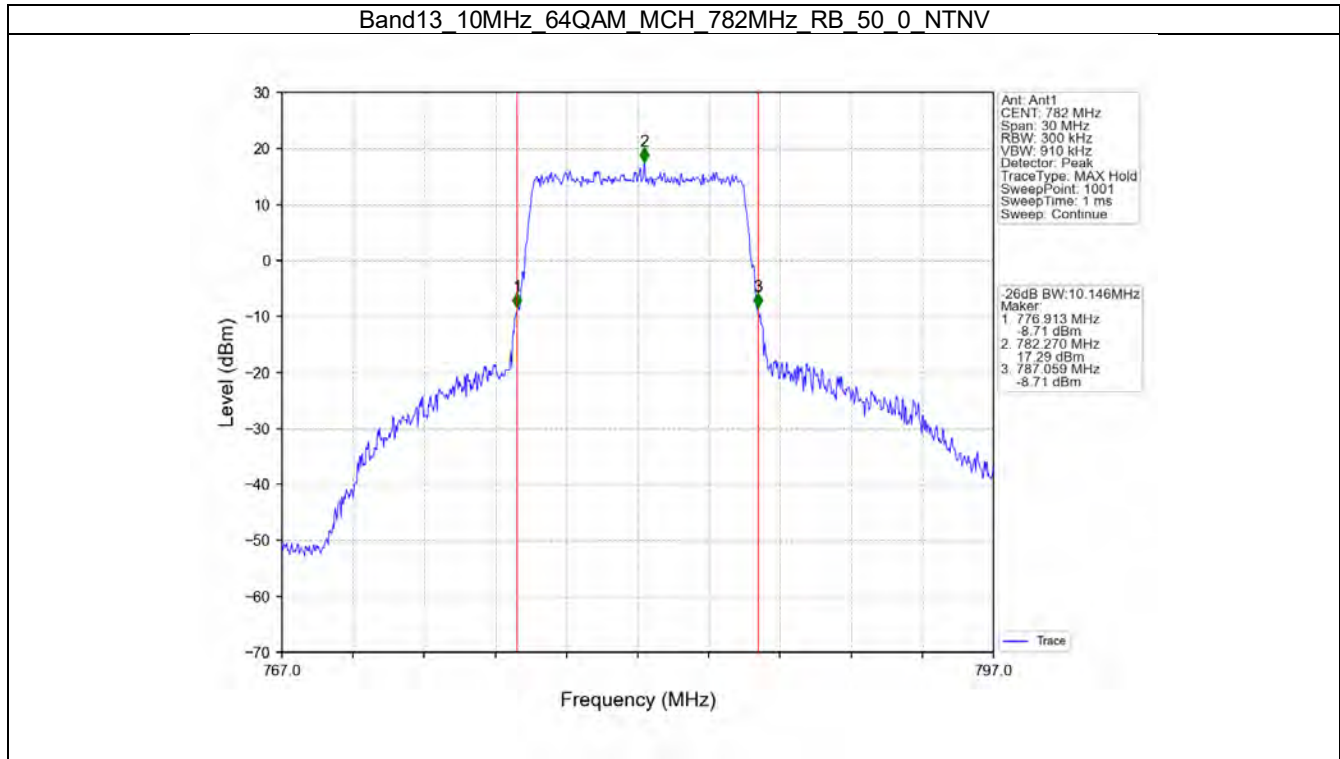


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Report No.: SZCR240100035201

Rev.: 01

Page: 34 of 105



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Report No.: SZCR240100035201

Rev.: 01

Page: 35 of 105

## 4. Peak-Average Ratio

### 4.1 B13\_5MHz

#### 4.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	25	0	5.63	<=13	Pass
	782	25	0	5.64	<=13	Pass
	784.5	25	0	5.54	<=13	Pass
16QAM	779.5	25	0	6.26	<=13	Pass
	782	25	0	6.28	<=13	Pass
	784.5	25	0	6.24	<=13	Pass
64QAM	779.5	25	0	6.18	<=13	Pass
	782	25	0	6.21	<=13	Pass
	784.5	25	0	6.16	<=13	Pass



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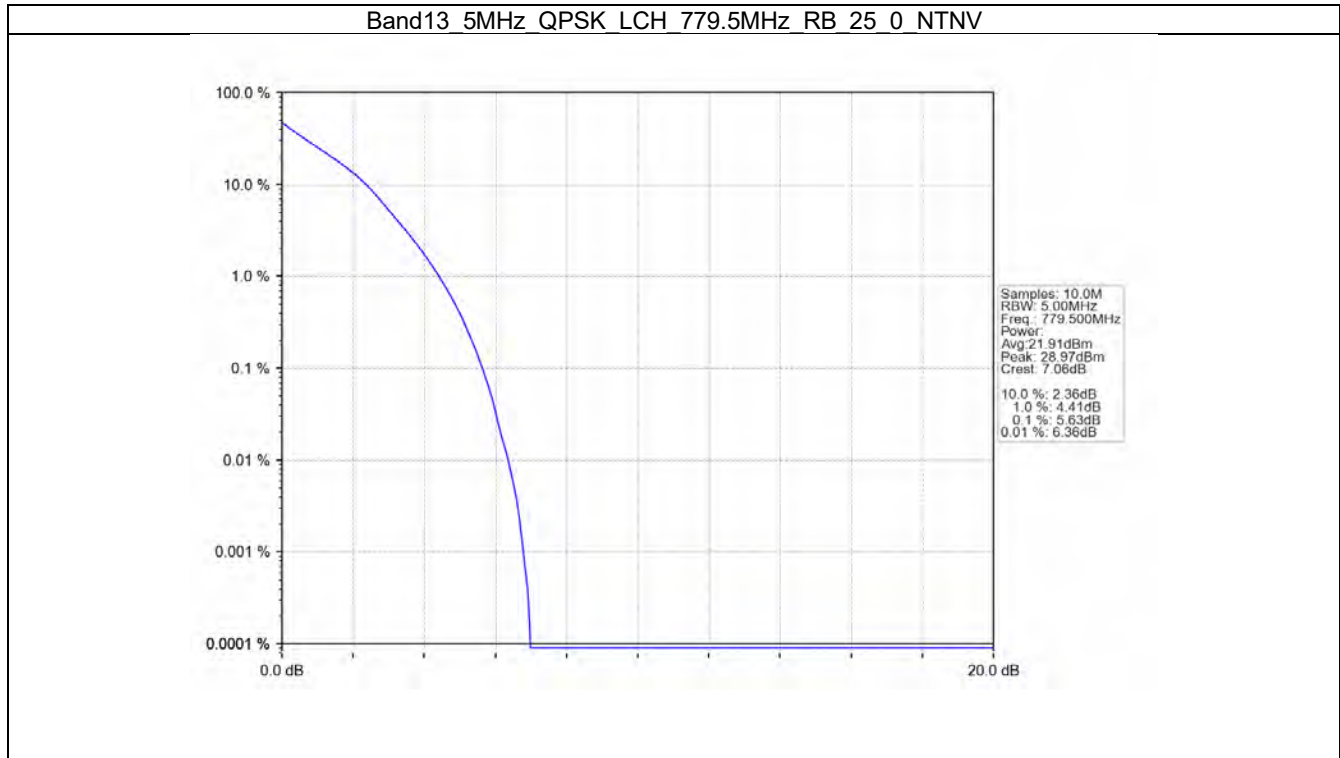
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Rev.: 01

Page: 36 of 105

4.1.2 Test Graph



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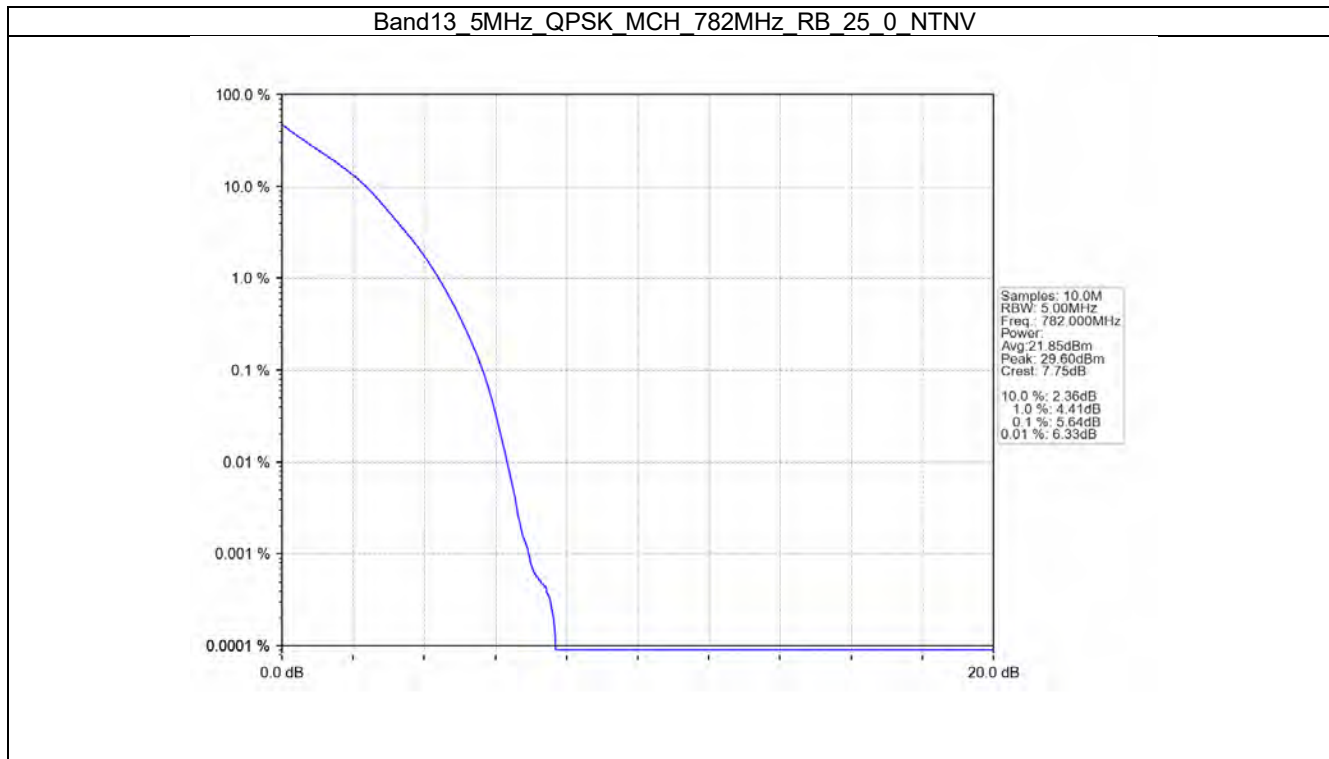




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Report No.: SZCR240100035201  
Rev.: 01  
Page: 37 of 105

Band13\_5MHz\_QPSK\_MCH\_782MHz\_RB\_25\_0\_NTNV



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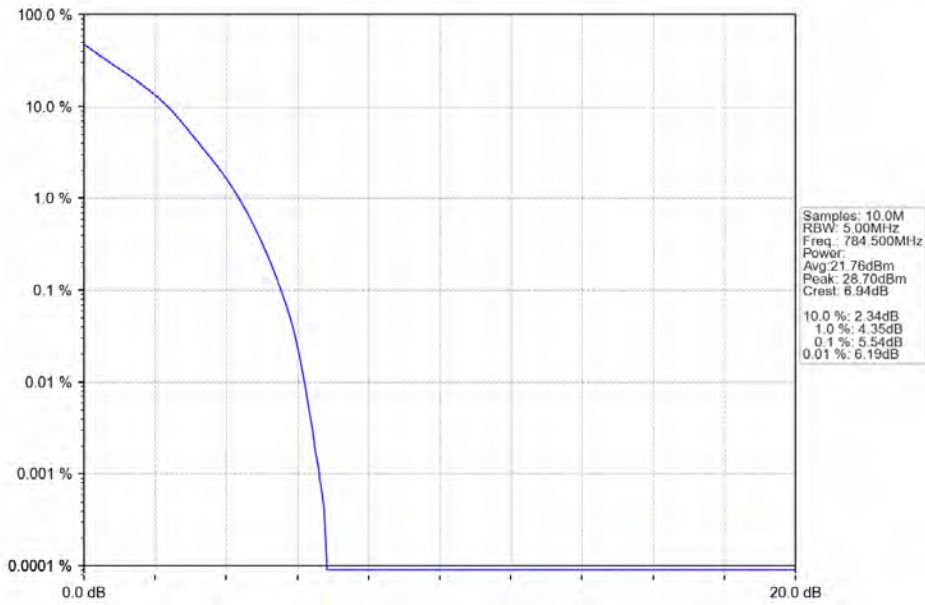
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Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



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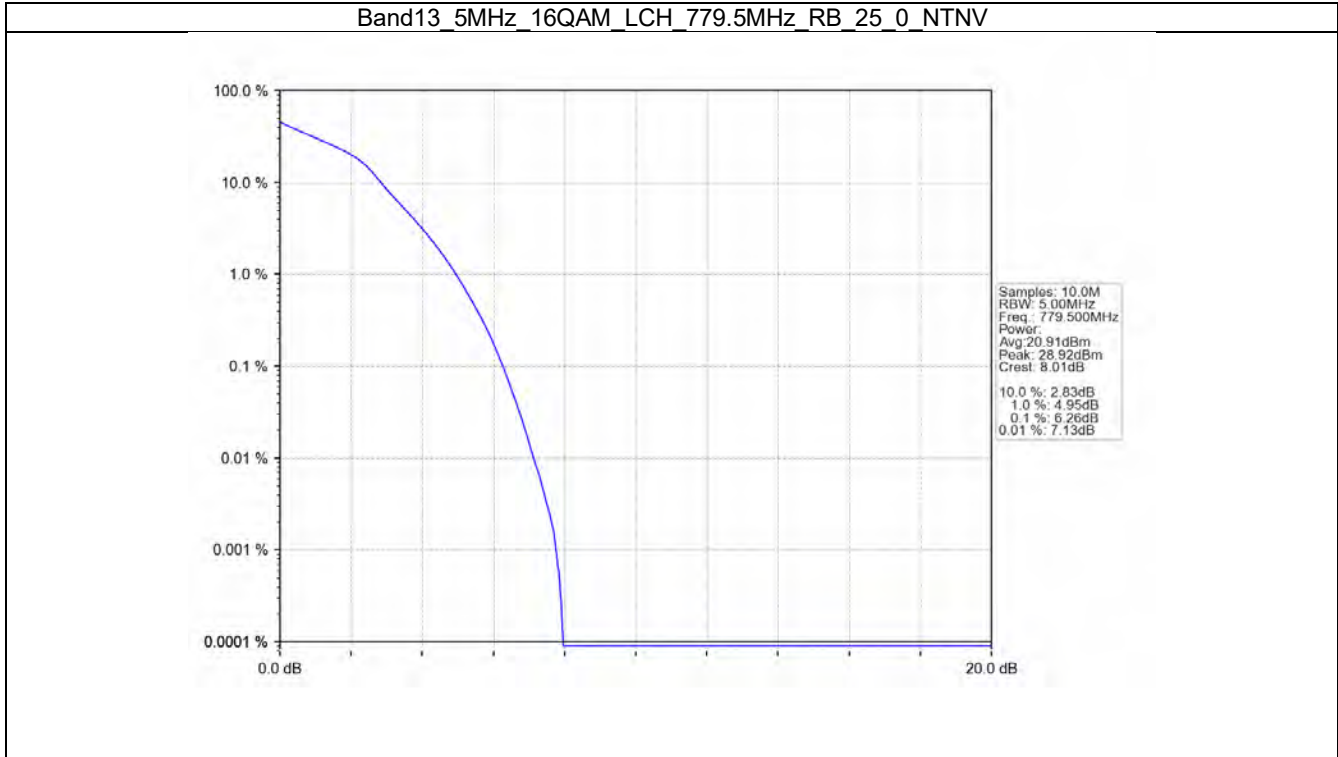


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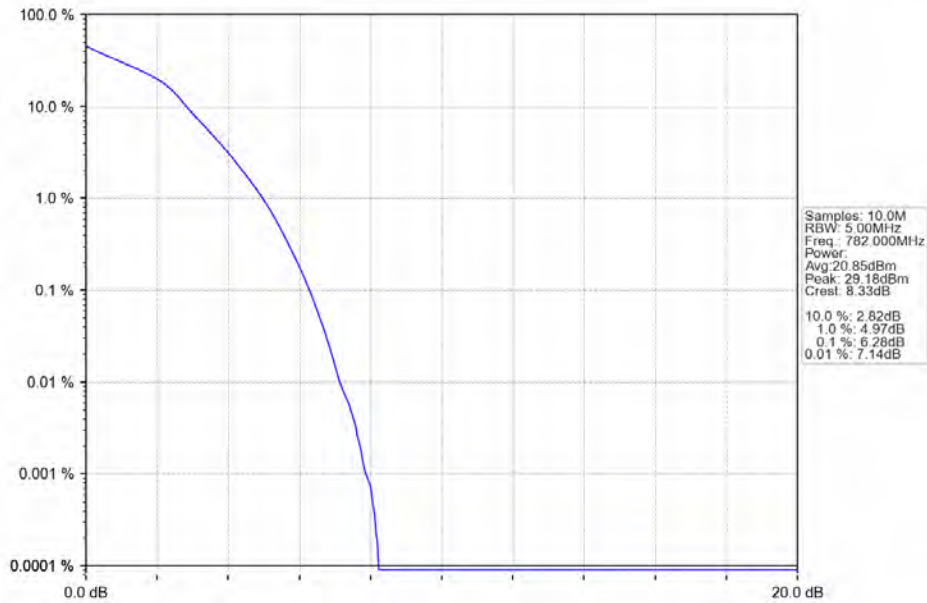
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Band13\_5MHz\_16QAM\_MCH\_782MHz\_RB\_25\_0\_NTNV



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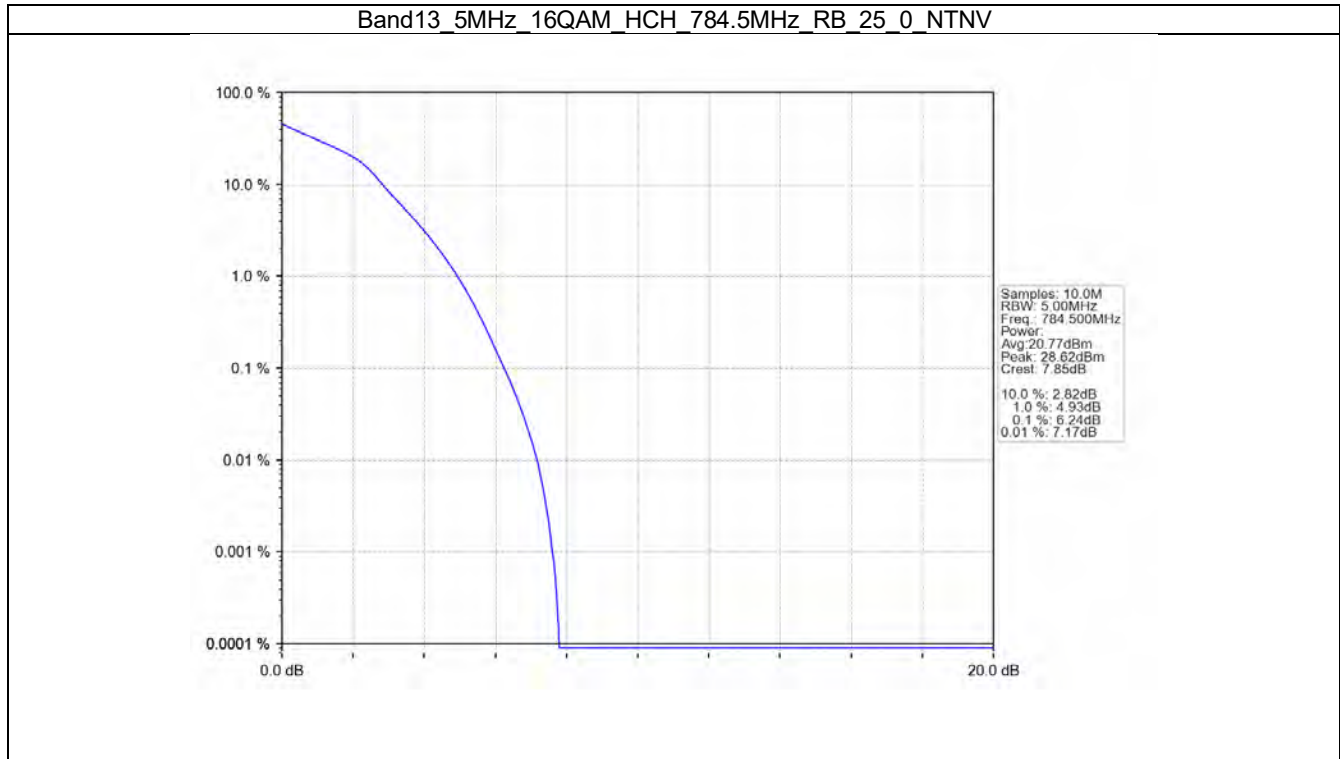


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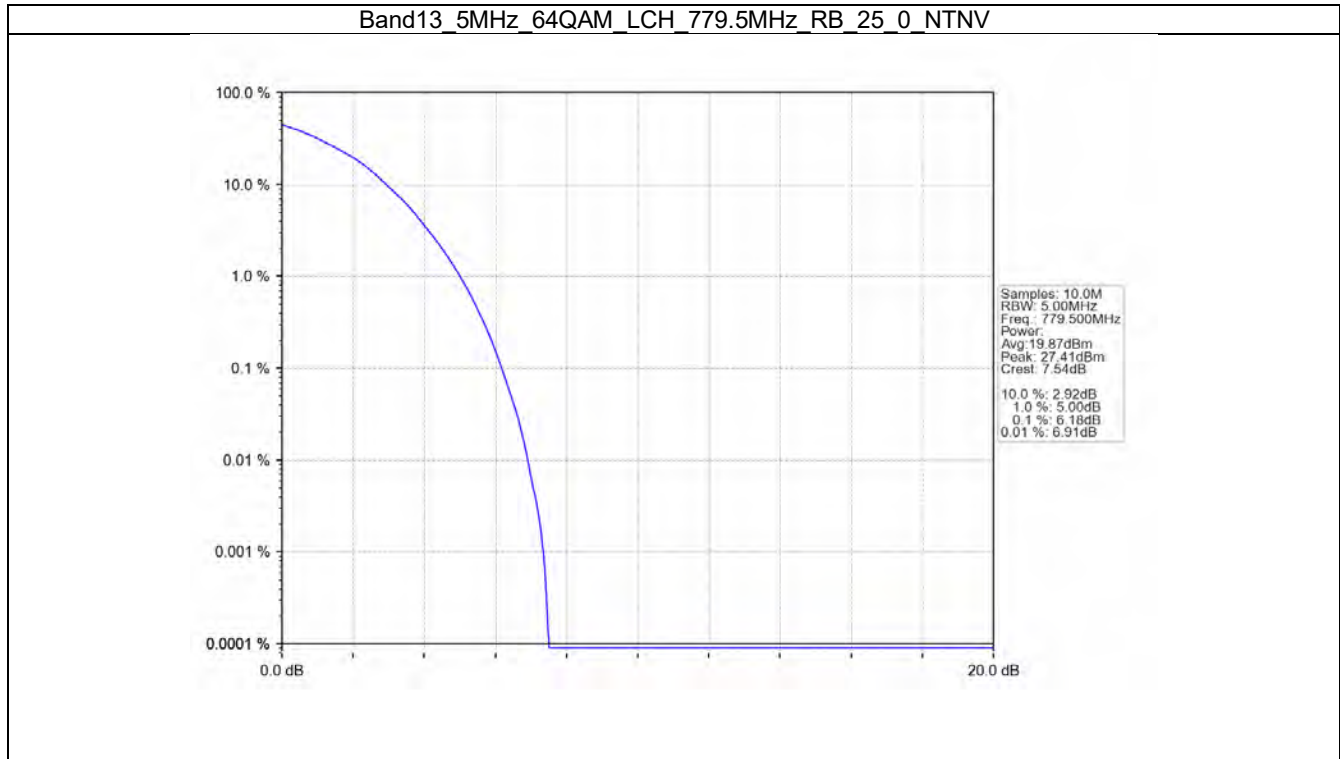


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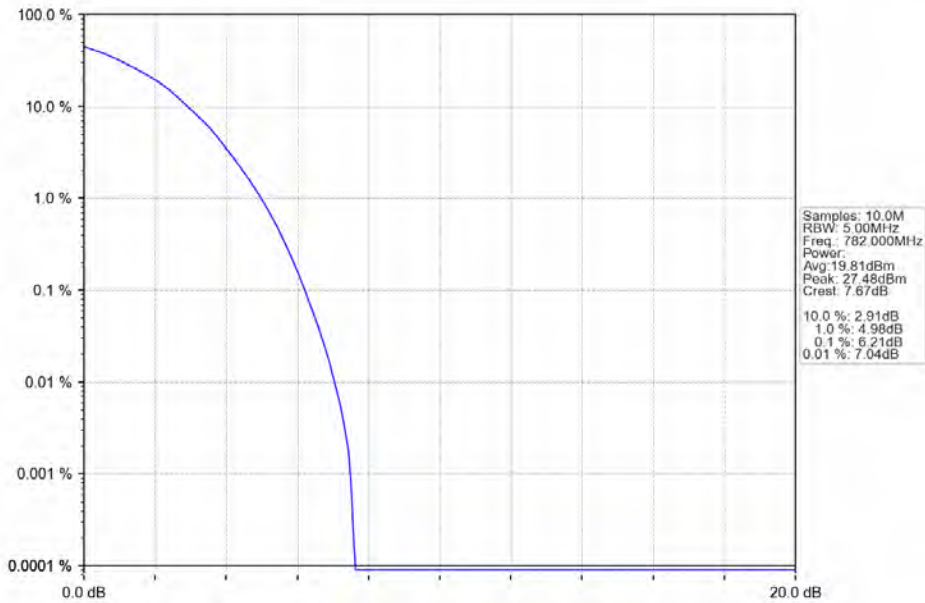
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Band13\_5MHz\_64QAM\_MCH\_782MHz\_RB\_25\_0\_NTNV



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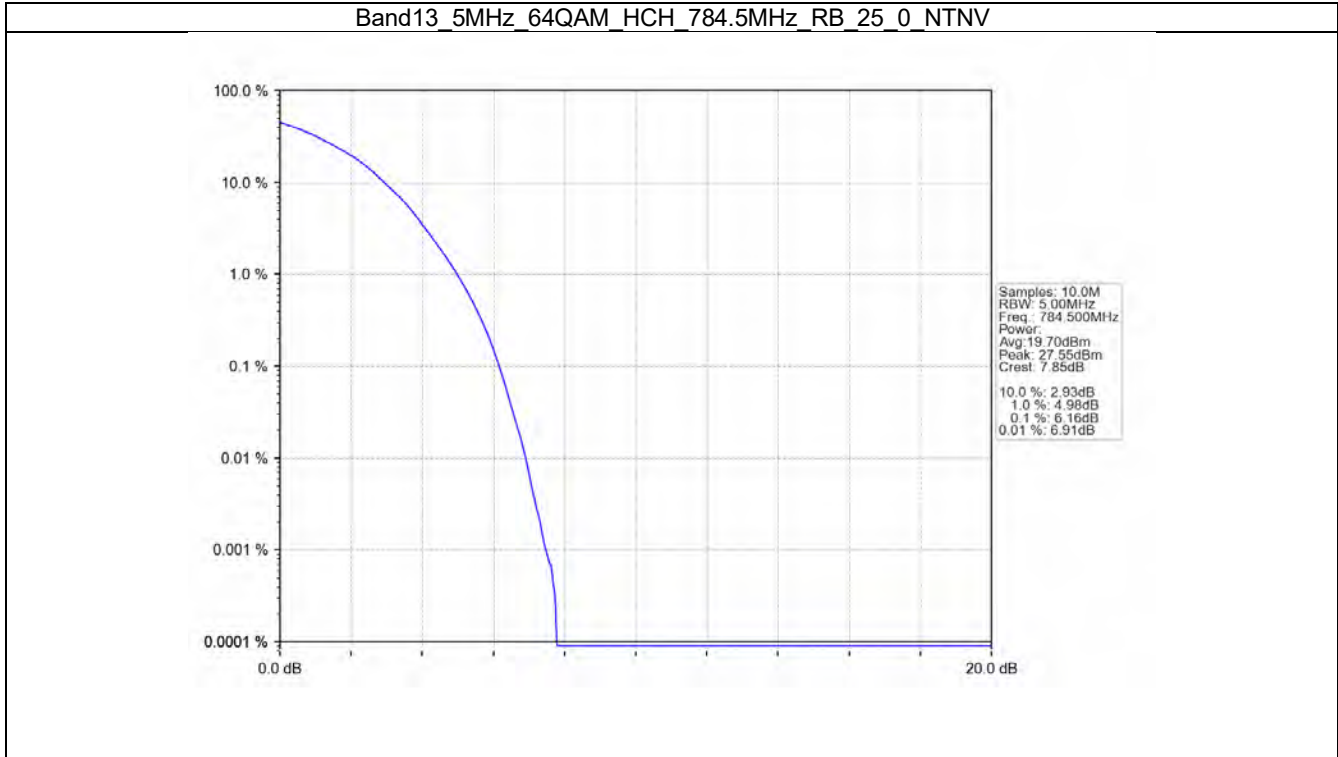


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Rev.: 01

Page: 45 of 105

## 4.2 B13\_10MHz

### 4.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	782	50	0	5.55	<=13	Pass
16QAM	782	50	0	6.24	<=13	Pass
64QAM	782	50	0	6.15	<=13	Pass



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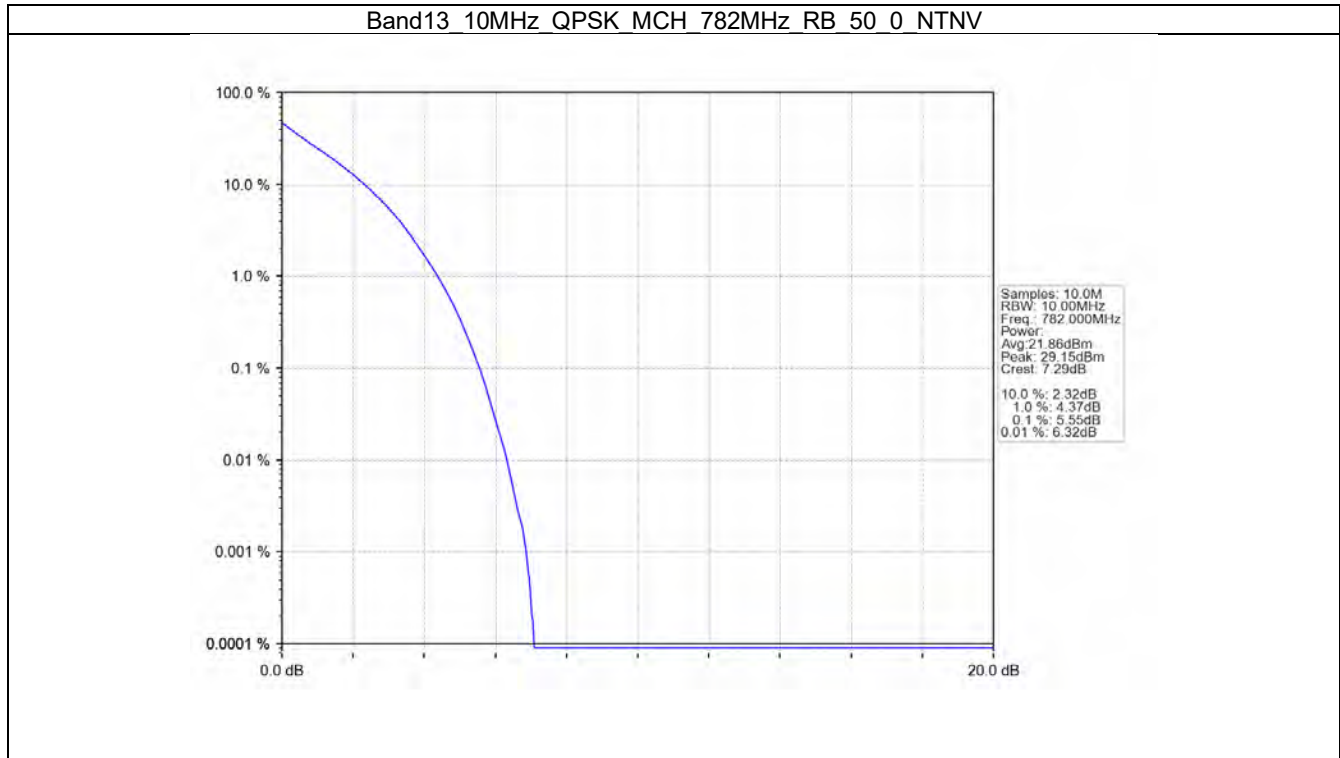
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4.2.2 Test Graph



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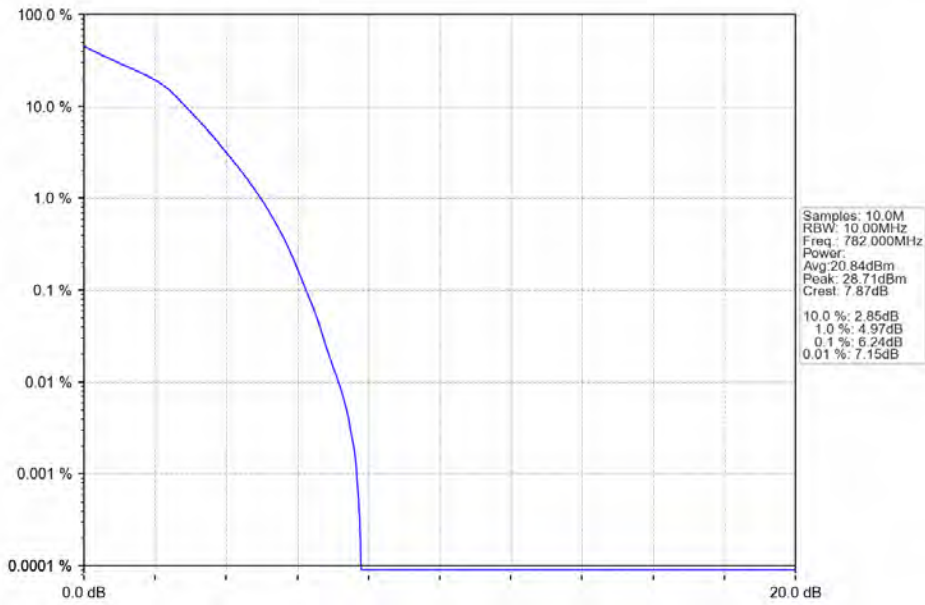
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Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_50\_0\_NTNV



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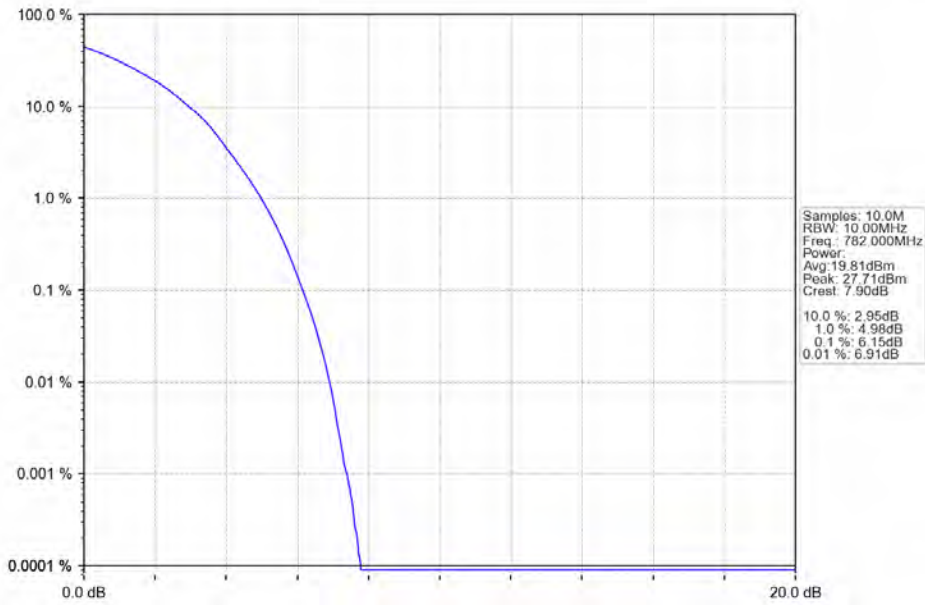
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Report No.: SZCR240100035201

Rev.: 01

Page: 48 of 105

Band13\_10MHz\_64QAM\_MCH\_782MHz\_RB\_50\_0\_NTNV



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Report No.: SZCR240100035201  
Rev.: 01  
Page: 49 of 105

## 5. Spurious Emission & Band Edges

### 5.1 B13\_5MHz

#### 5.1.1 Test Result

Band: 13 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	784.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
16QAM	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	784.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
64QAM	779.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	782	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
	784.5	1	24	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass



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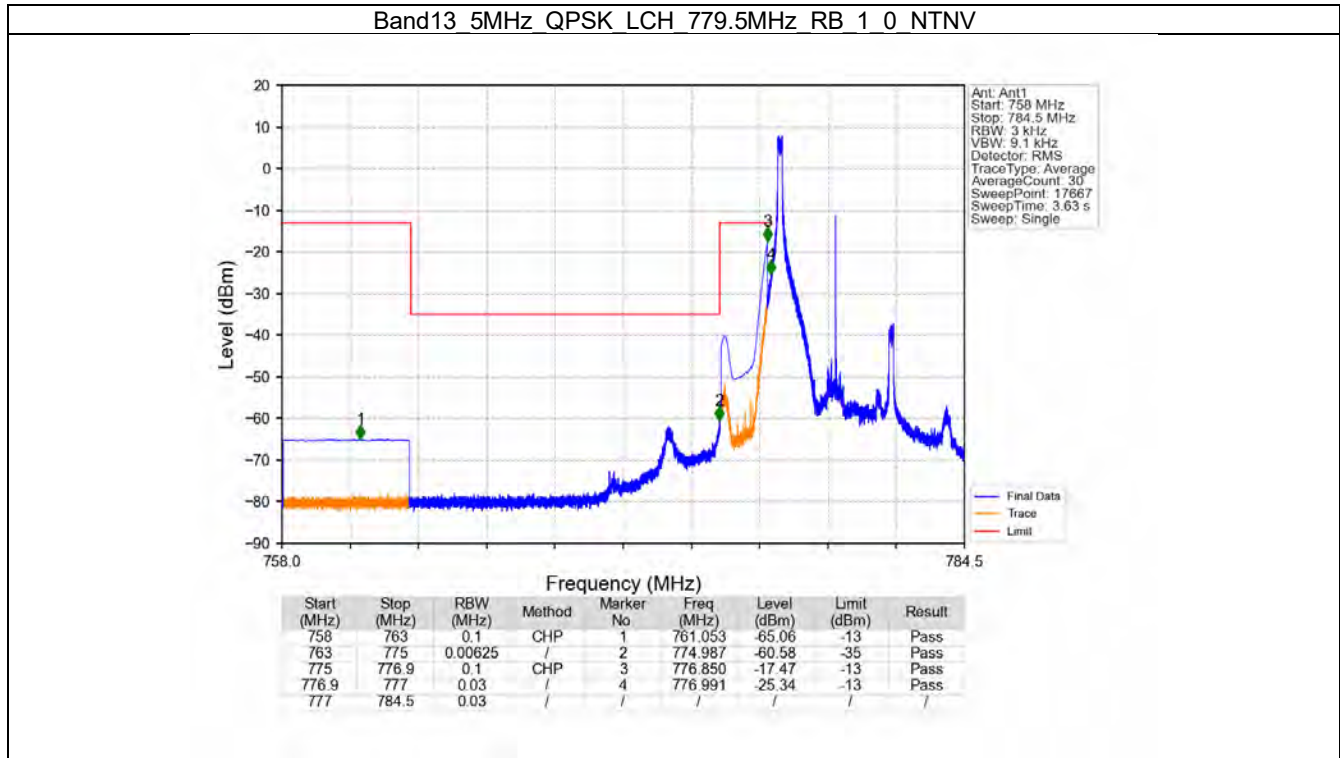
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Report No.: SZCR240100035201

Rev.: 01

Page: 50 of 105

5.1.2 Test Graph



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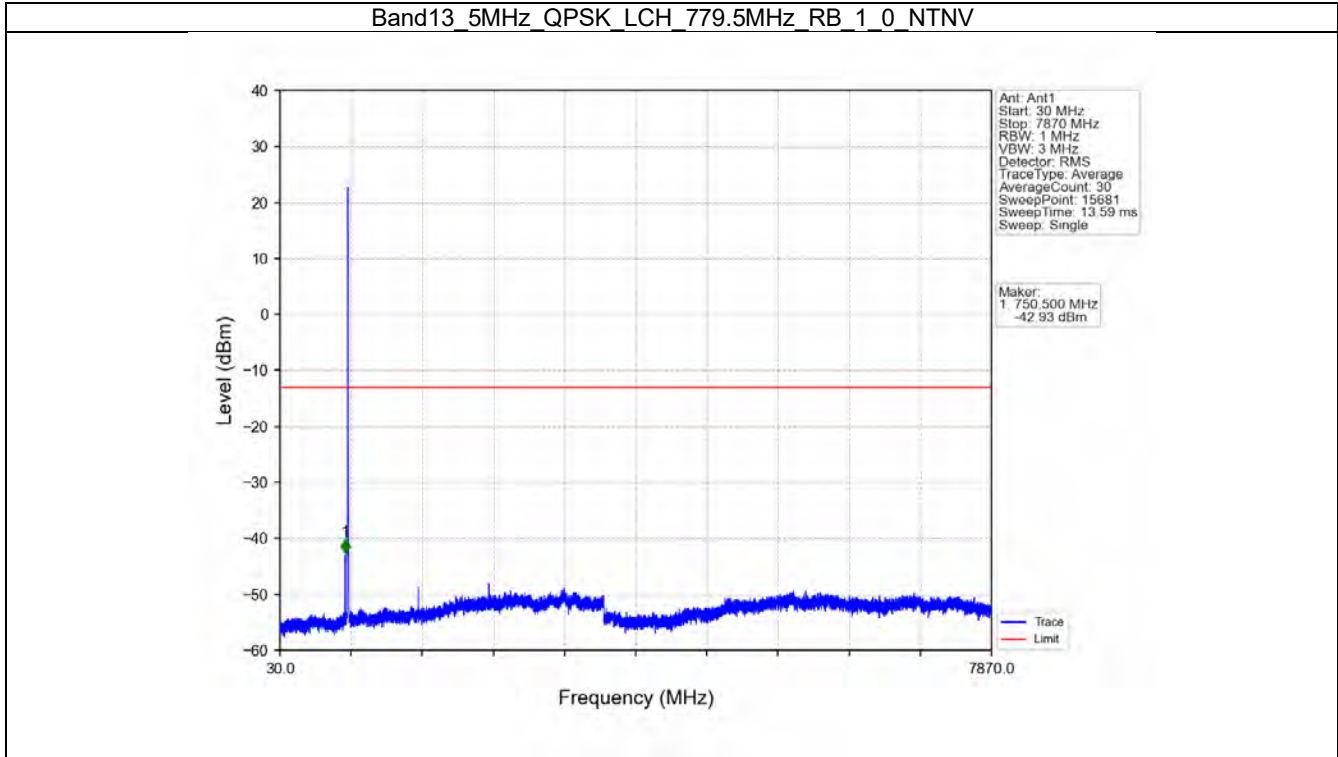


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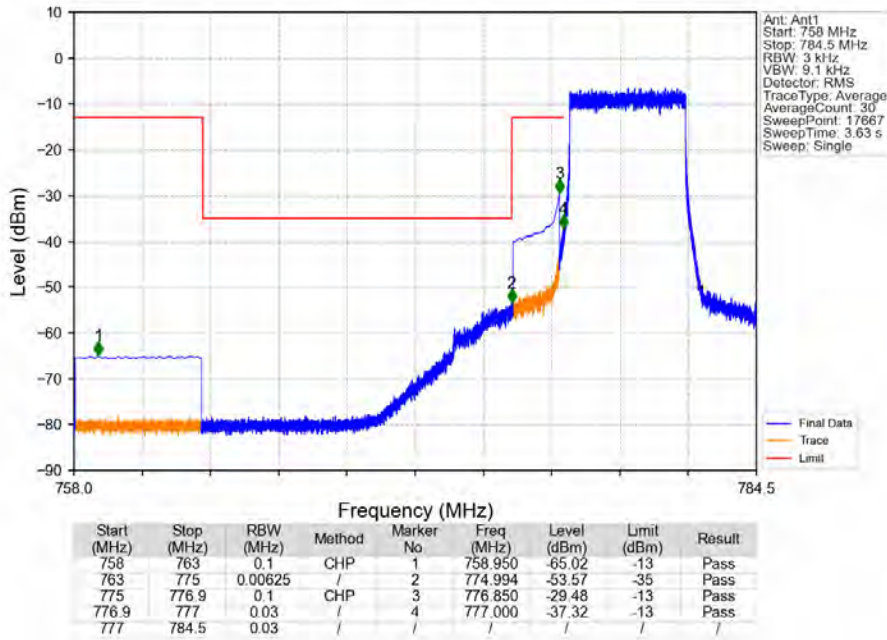
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Report No.: SZCR240100035201

Rev.: 01

Page: 52 of 105

Band13\_5MHz\_QPSK\_LCH\_779.5MHz\_RB\_25\_0\_NTNV



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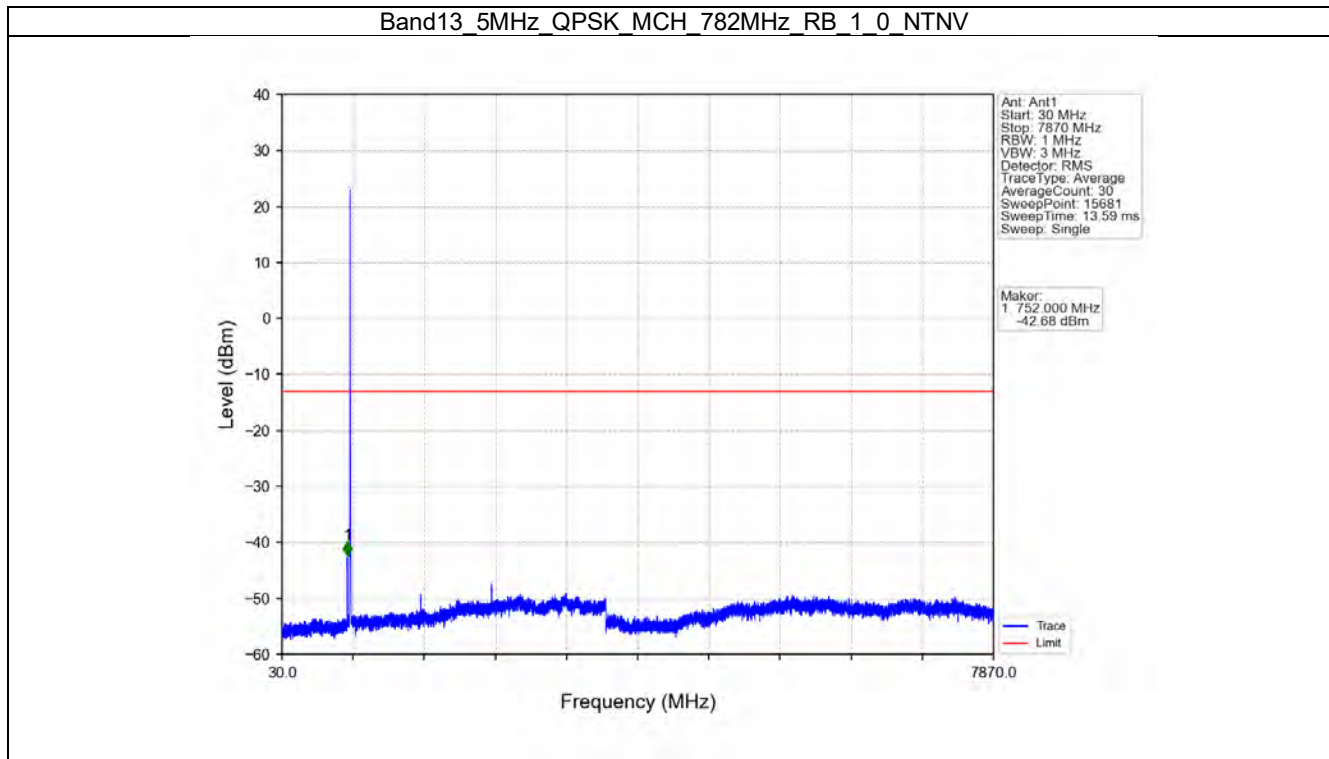
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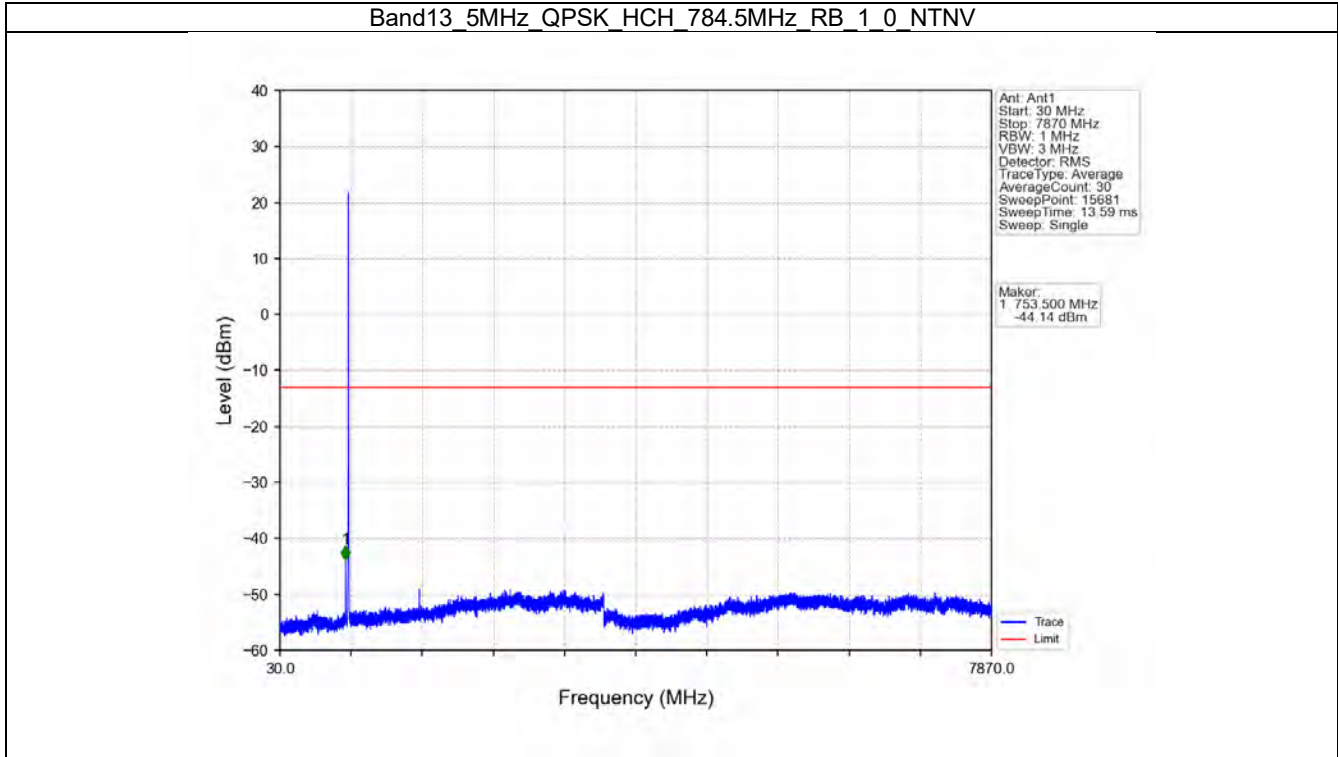


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Page: 54 of 105



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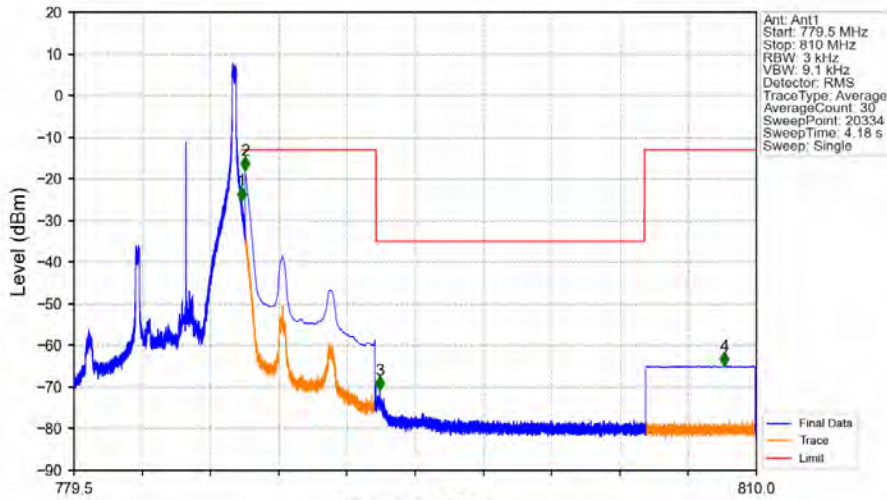
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Report No.: SZCR240100035201

Rev.: 01

Page: 55 of 105

Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.000	-25.31	-13	Pass
787.1	793	0.1	CHP	2	787.150	-18.04	-13	Pass
793	805	0.00625	/	3	793.173	-70.87	-35	Pass
805	810	0.1	CHP	4	808.563	-64.99	-13	Pass



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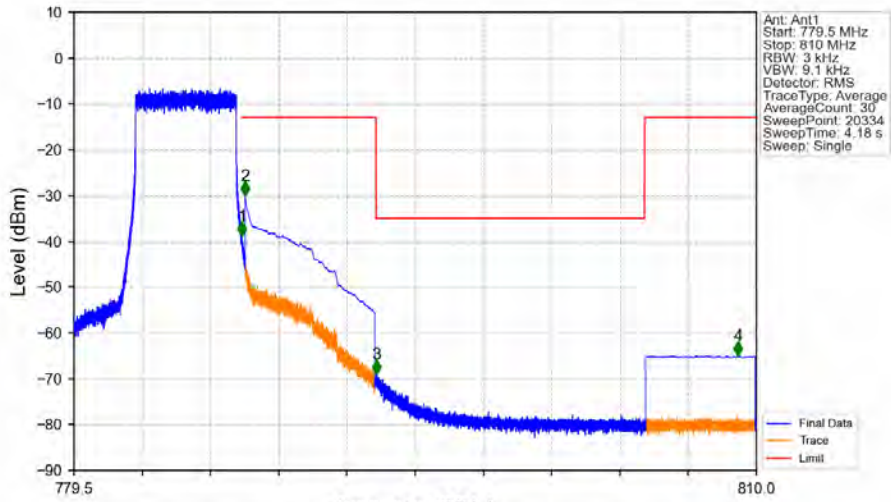
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Report No.: SZCR240100035201

Rev.: 01

Page: 56 of 105

Band13\_5MHz\_QPSK\_HCH\_784.5MHz\_RB\_25\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.017	-38.85	-13	Pass
787.1	793	0.1	CHP	2	787.150	-30.10	-13	Pass
793	805	0.00625	/	3	793.009	-69.05	-35	Pass
805	810	0.1	CHP	4	809.181	-65.00	-13	Pass



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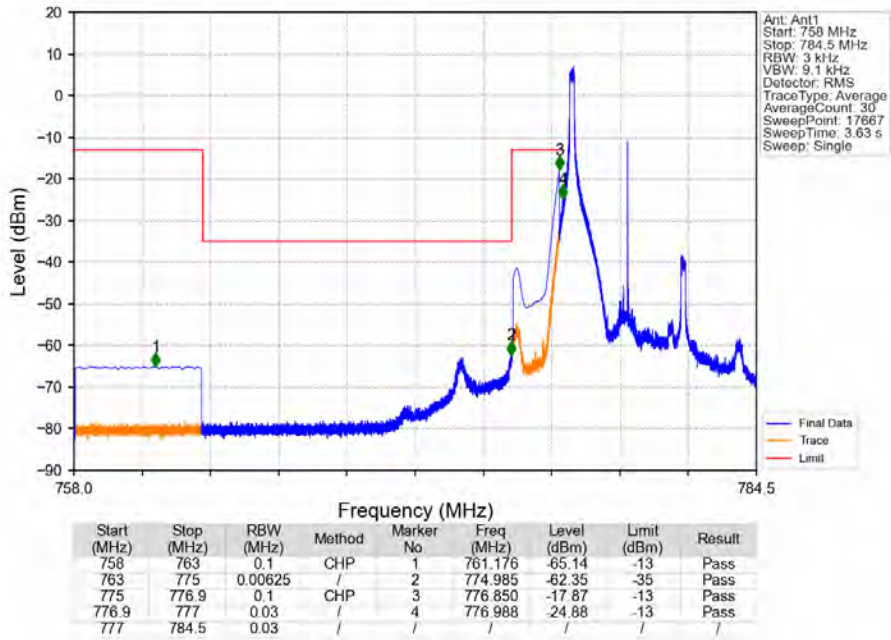
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Rev.: 01

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Band13\_5MHz\_16QAM\_LCH\_779.5MHz\_RB\_1\_0\_NTNV



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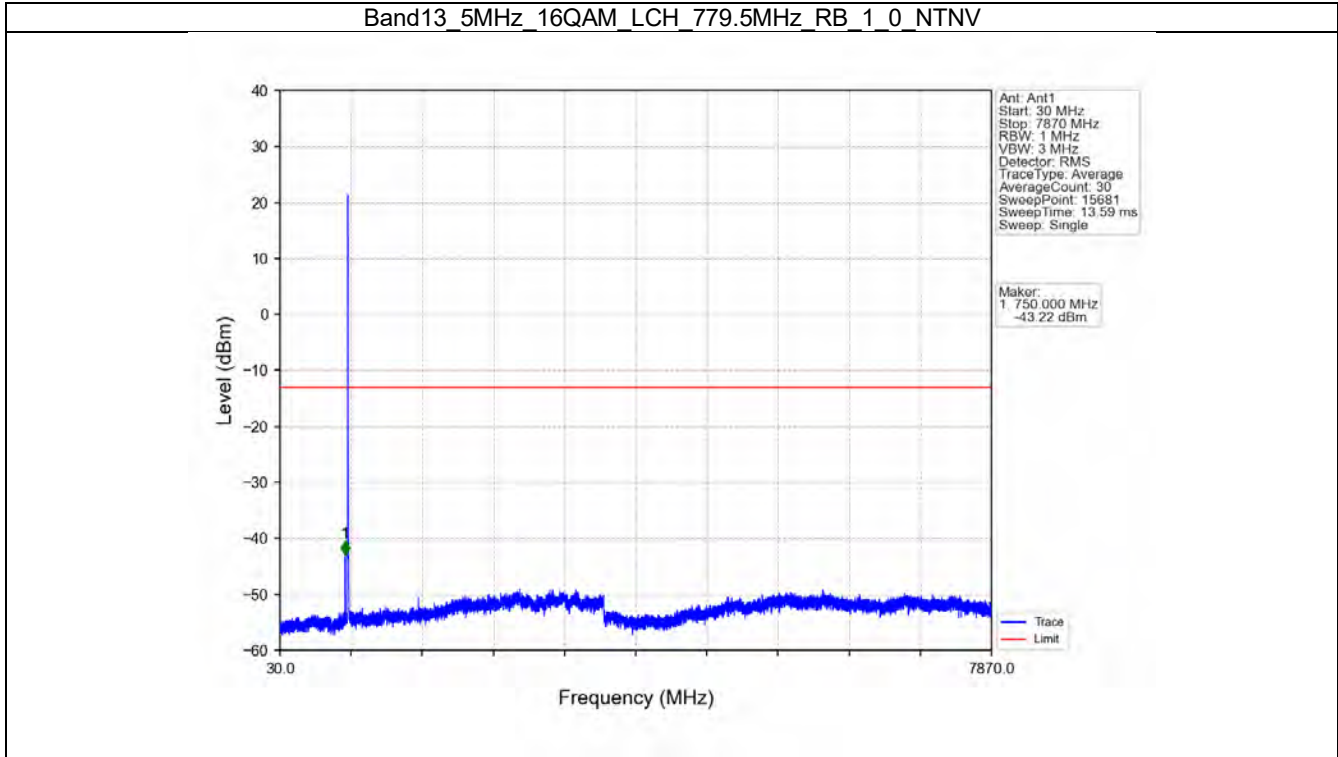


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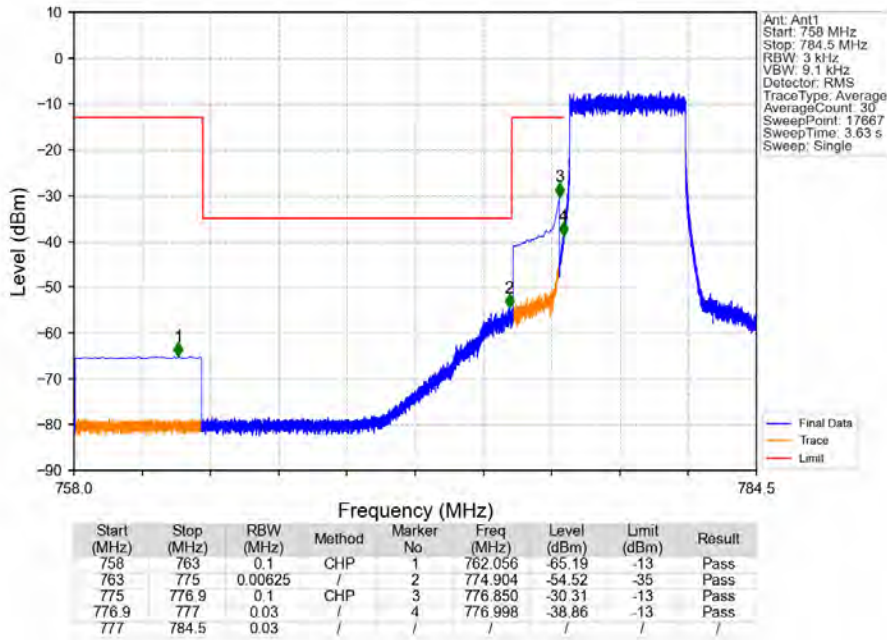
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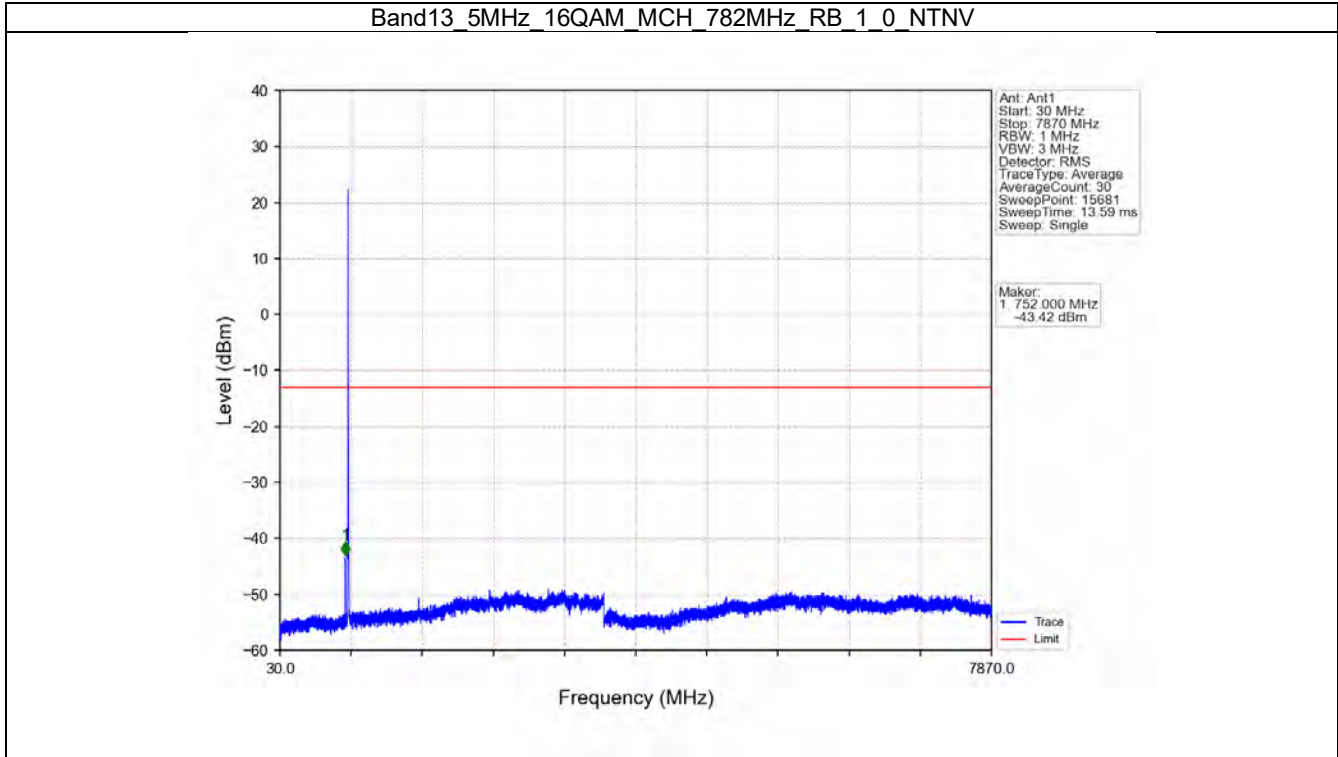


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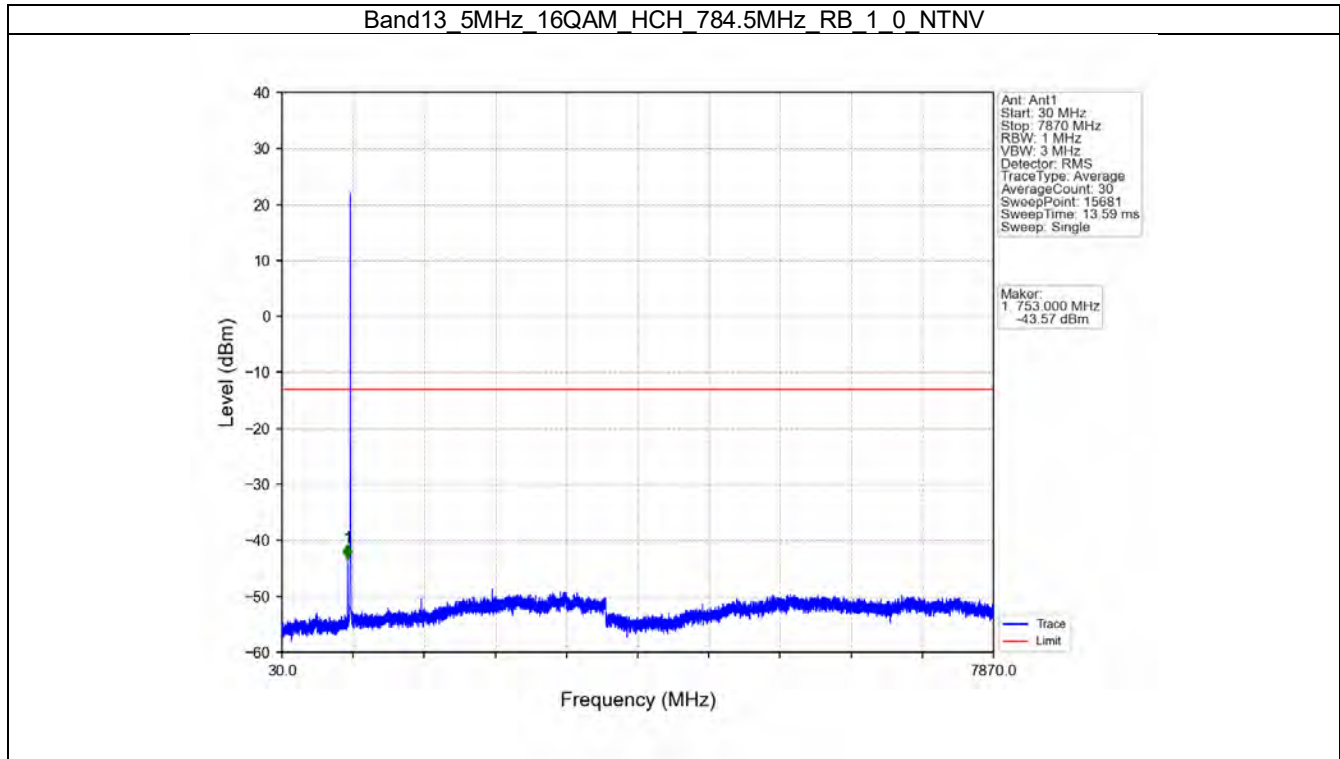


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Rev.: 01

Page: 61 of 105



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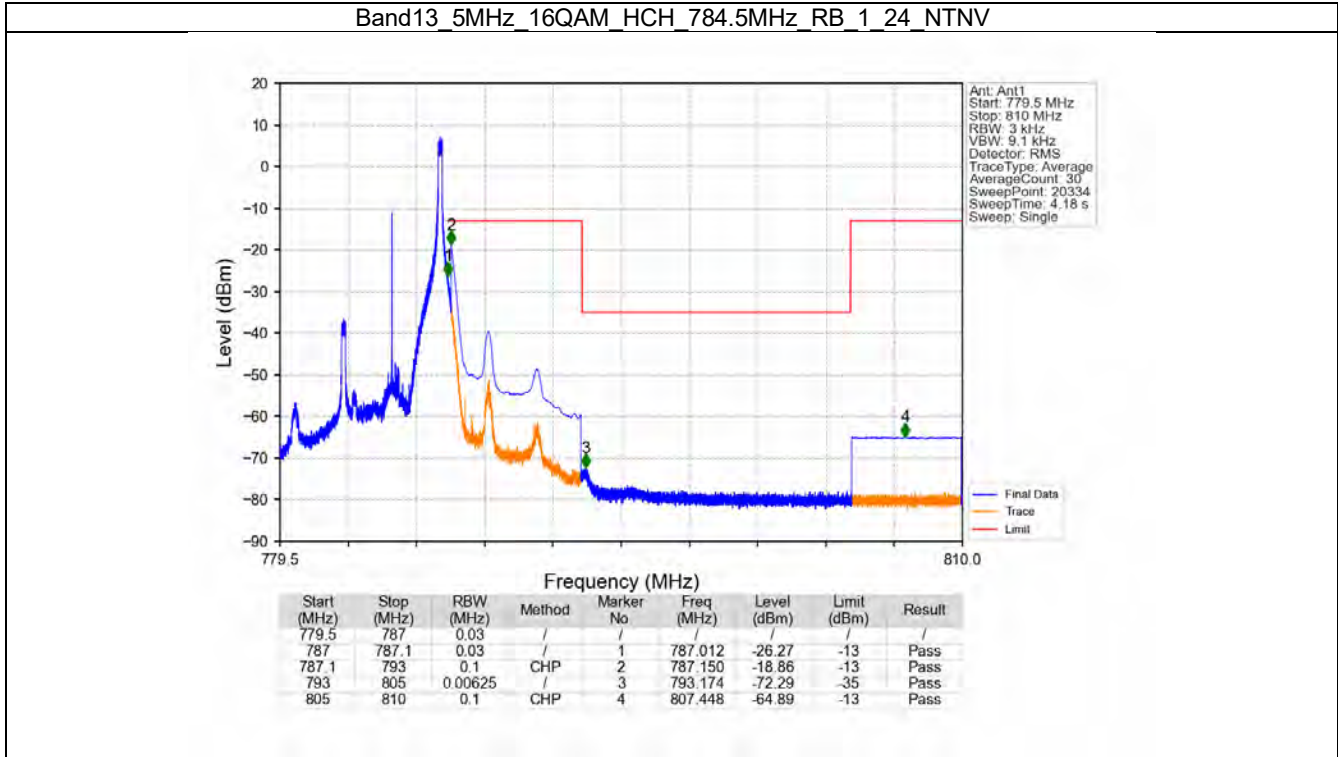


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Report No.: SZCR240100035201

Rev.: 01

Page: 62 of 105



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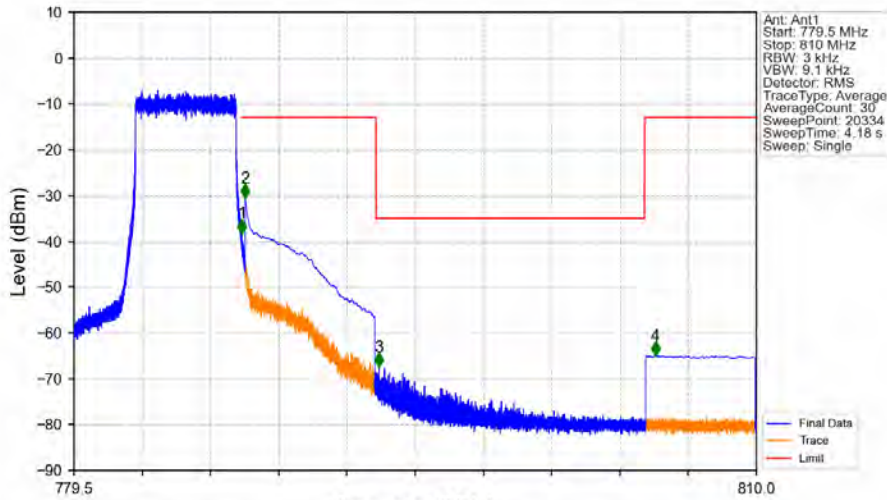
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Report No.: SZCR240100035201

Rev.: 01

Page: 63 of 105

Band13\_5MHz\_16QAM\_HCH\_784.5MHz\_RB\_25\_0\_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.002	-38.23	-13	Pass
787.1	793	0.1	CHP	2	787.150	-30.56	-13	Pass
793	805	0.00625	/	3	793.140	-67.49	-35	Pass
805	810	0.1	CHP	4	805.482	-64.99	-13	Pass



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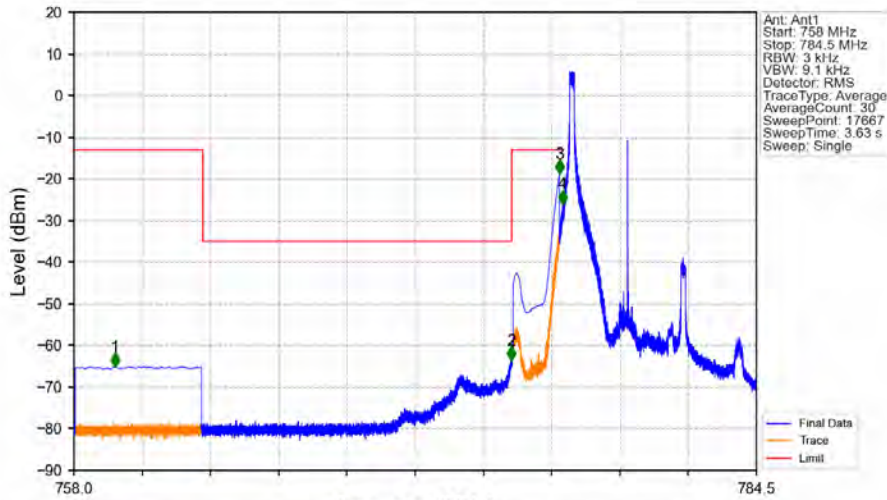
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Report No.: SZCR240100035201

Rev.: 01

Page: 64 of 105

Band13\_5MHz\_64QAM\_LCH\_779.5MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.583	-65.11	-13	Pass
763	775	0.00625	/	2	774.985	-63.58	-35	Pass
775	776.9	0.1	CHP	3	776.850	-18.75	-13	Pass
776.9	777	0.03	/	4	776.974	-26.10	-13	Pass
777	784.5	0.03	/	/	/	/	/	/



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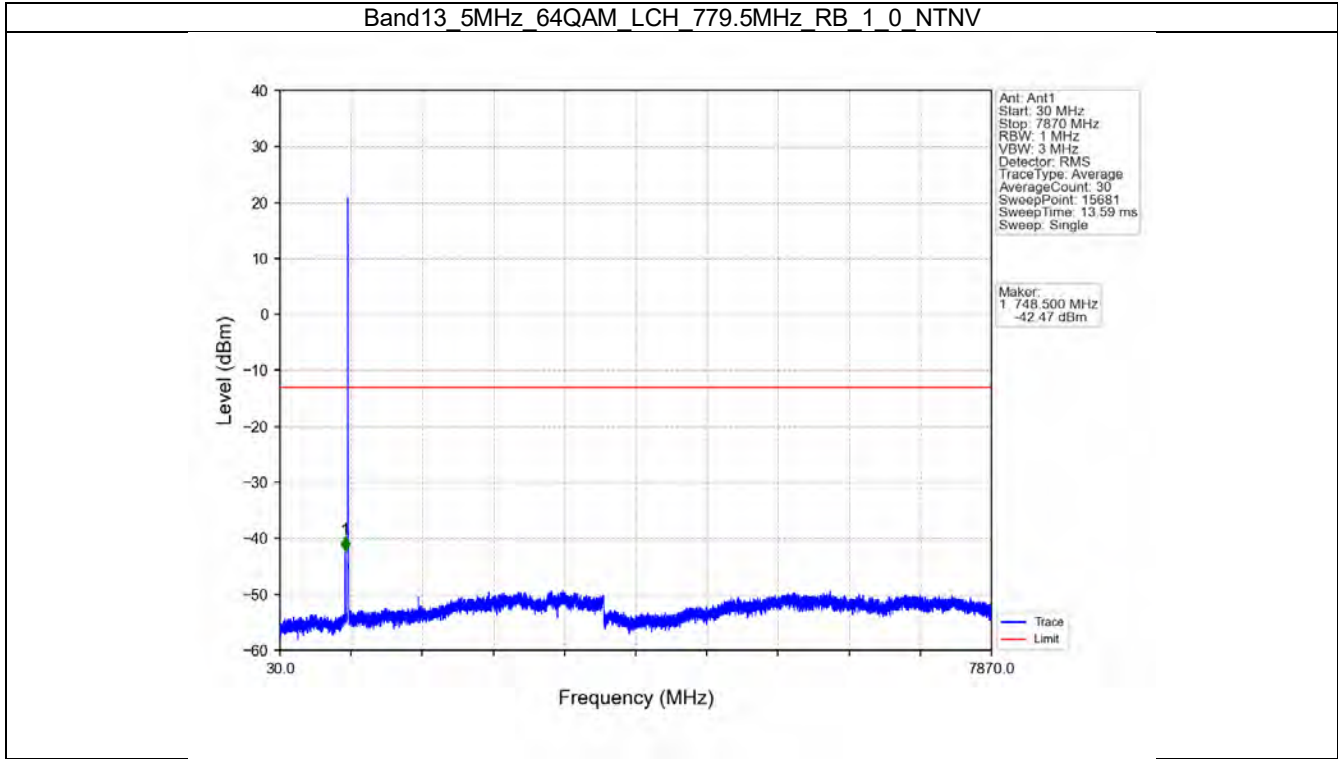


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Report No.: SZCR240100035201

Rev.: 01

Page: 65 of 105



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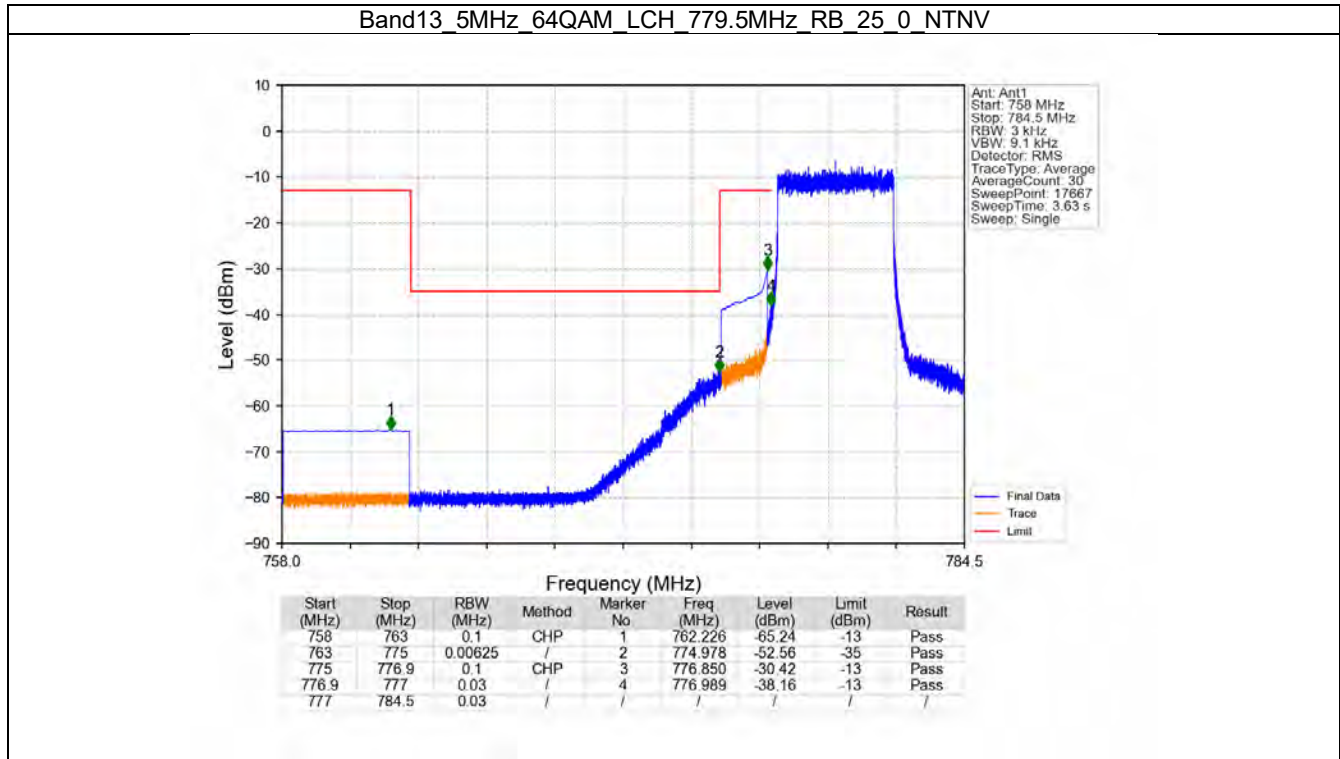


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Page: 66 of 105



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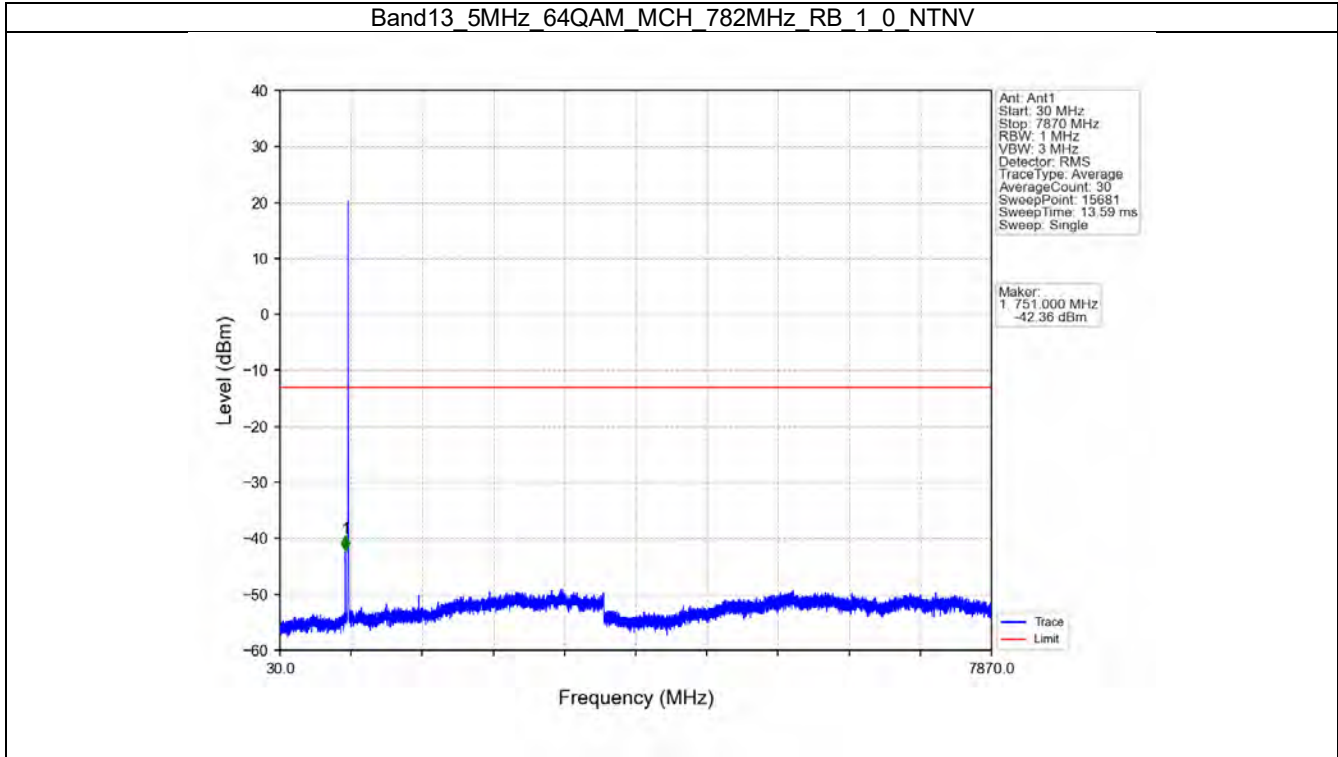


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Report No.: SZCR240100035201

Rev.: 01

Page: 67 of 105



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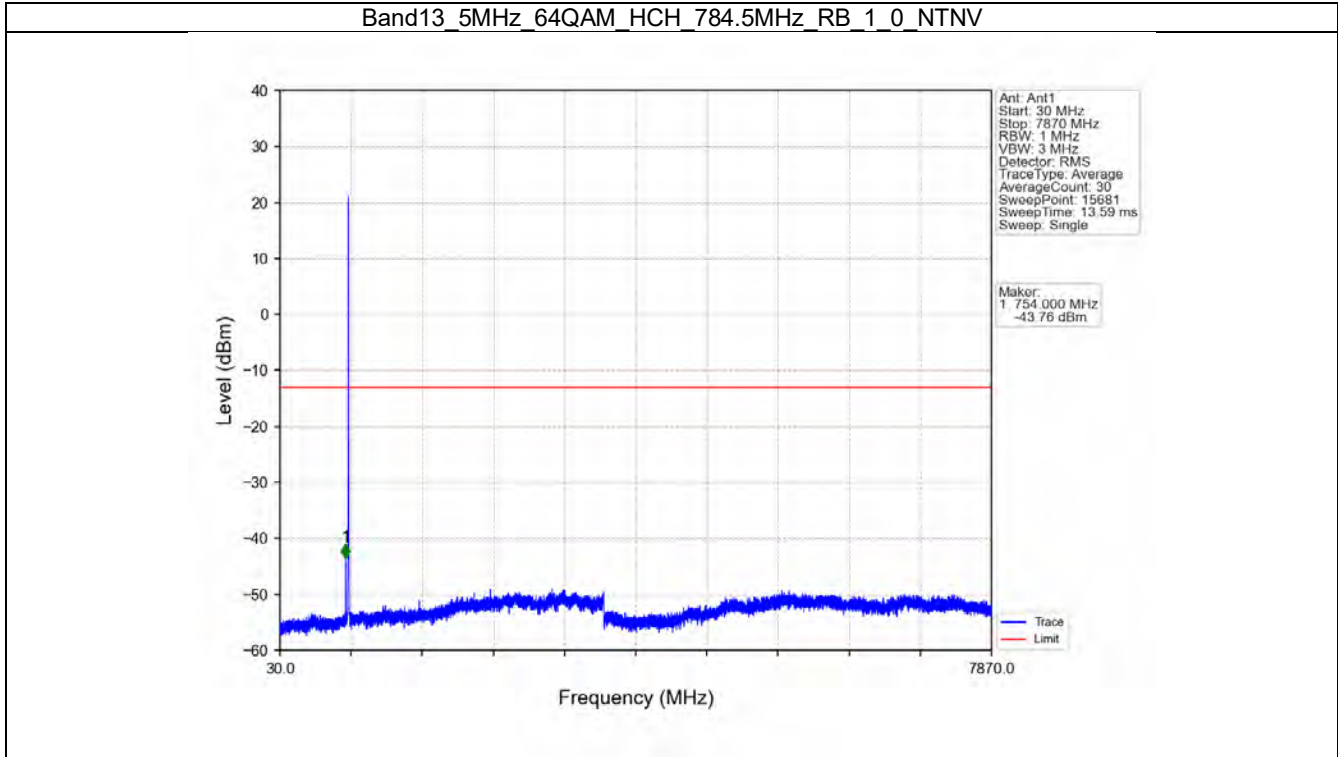


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Report No.: SZCR240100035201

Rev.: 01

Page: 68 of 105



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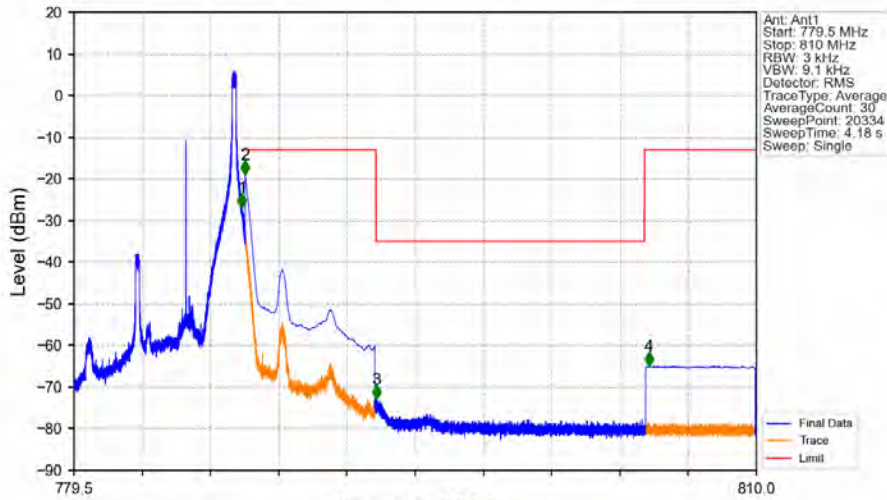
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Report No.: SZCR240100035201

Rev.: 01

Page: 69 of 105

Band13\_5MHz\_64QAM\_HCH\_784.5MHz\_RB\_1\_24\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
779.5	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	1	787.014	-26.89	-13	Pass
787.1	793	0.1	CHP	2	787.150	-19.02	-13	Pass
793	805	0.00625	/	3	793.023	-72.98	-35	Pass
805	810	0.1	CHP	4	805.195	-65.04	-13	Pass



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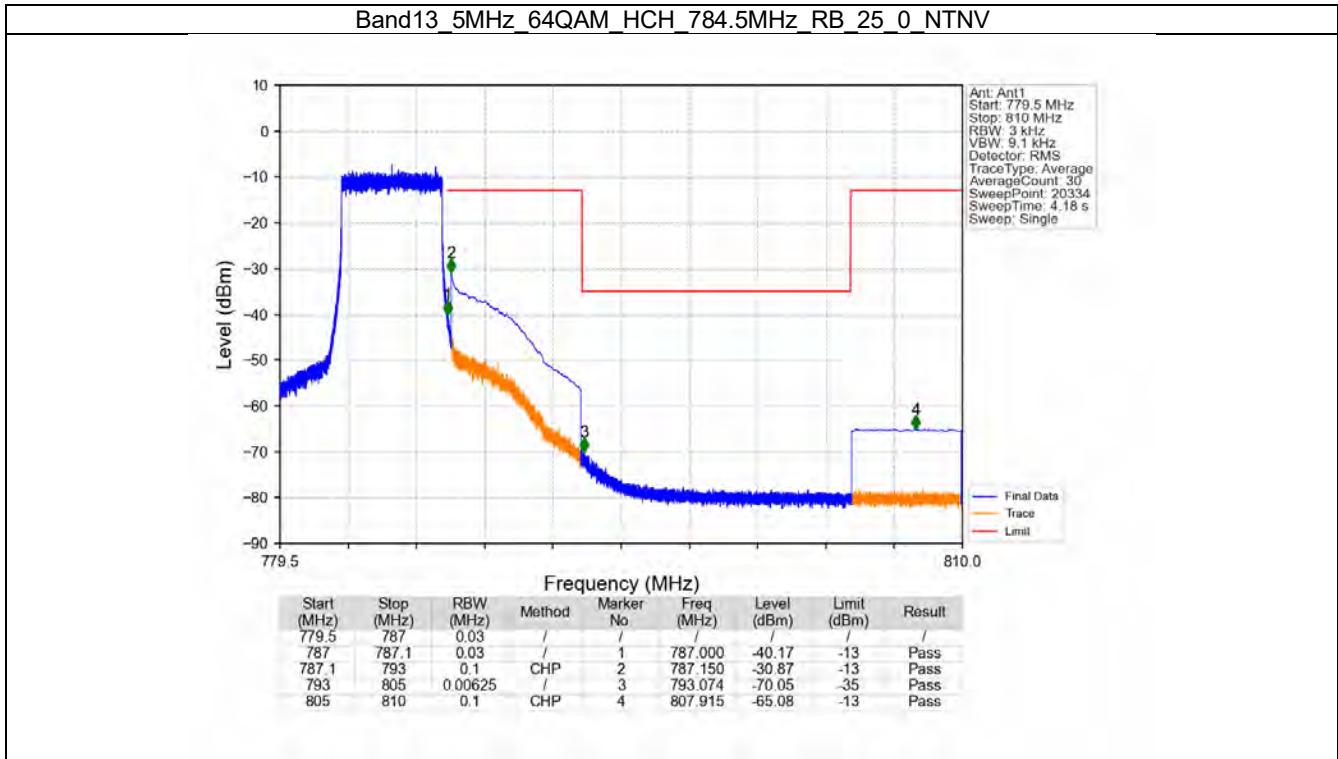


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Rev.: 01

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Report No.: SZCR240100035201

Rev.: 01

Page: 71 of 105

## 5.2 B13\_10MHz

### 5.2.1 Test Result

Band: 13 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	782	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	782	1	0	Refer To Test Graph	Pass	
		49	0	Refer To Test Graph	Pass	
	782	1	0	Refer To Test Graph	Pass	
		49	0	Refer To Test Graph	Pass	
16QAM	782	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	782	1	0	Refer To Test Graph	Pass	
		49	0	Refer To Test Graph	Pass	
	782	1	0	Refer To Test Graph	Pass	
		49	0	Refer To Test Graph	Pass	
64QAM	782	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	782	1	0	Refer To Test Graph	Pass	
		49	0	Refer To Test Graph	Pass	
	782	1	0	Refer To Test Graph	Pass	
		49	0	Refer To Test Graph	Pass	
782	1	0	Refer To Test Graph	Pass		
	50	0	Refer To Test Graph	Pass		



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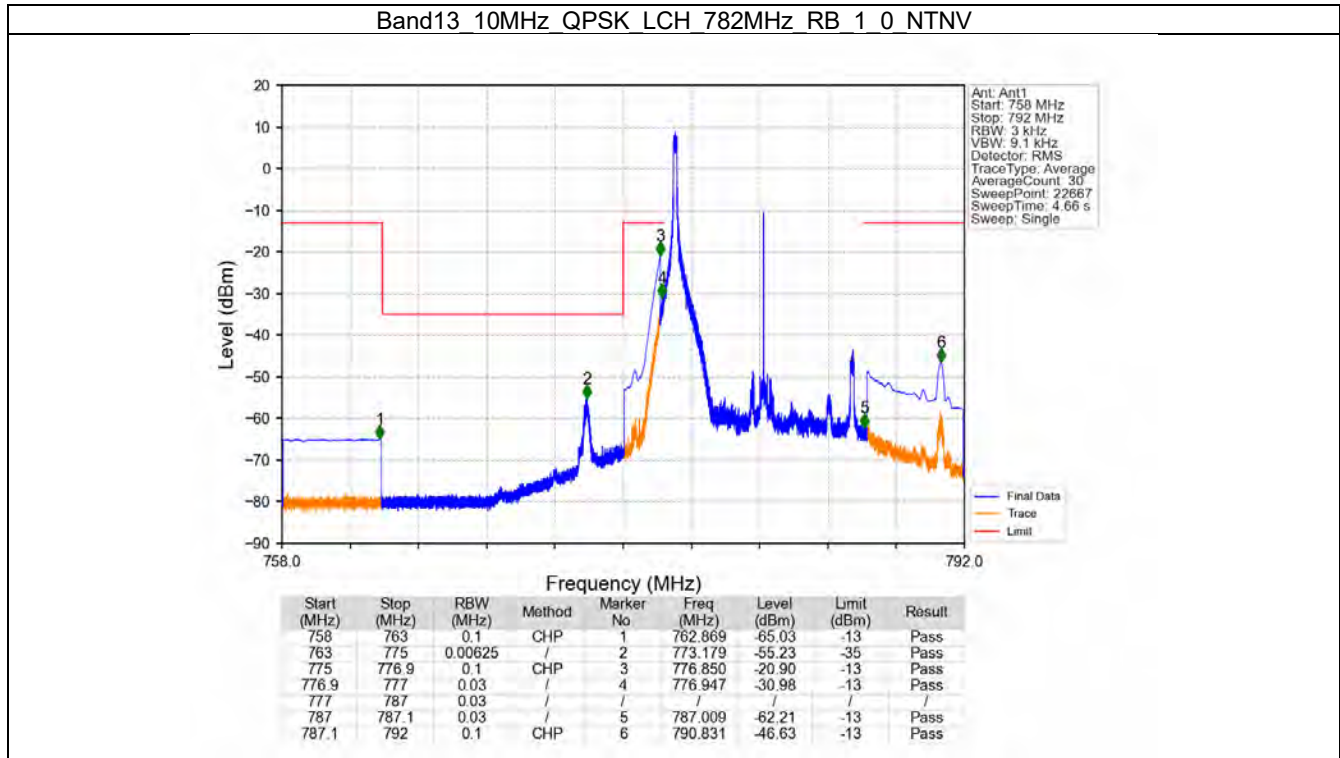


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Rev.: 01

Page: 72 of 105

5.2.2 Test Graph



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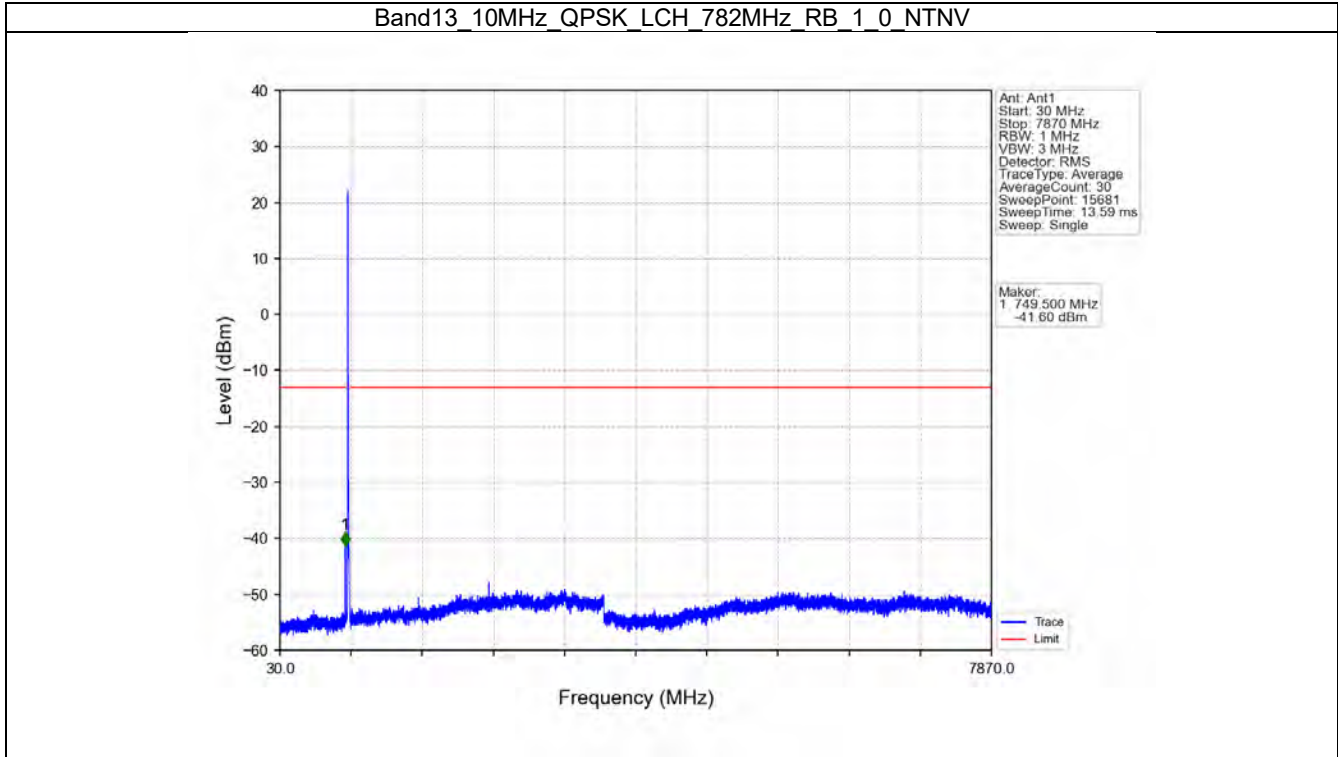


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Rev.: 01

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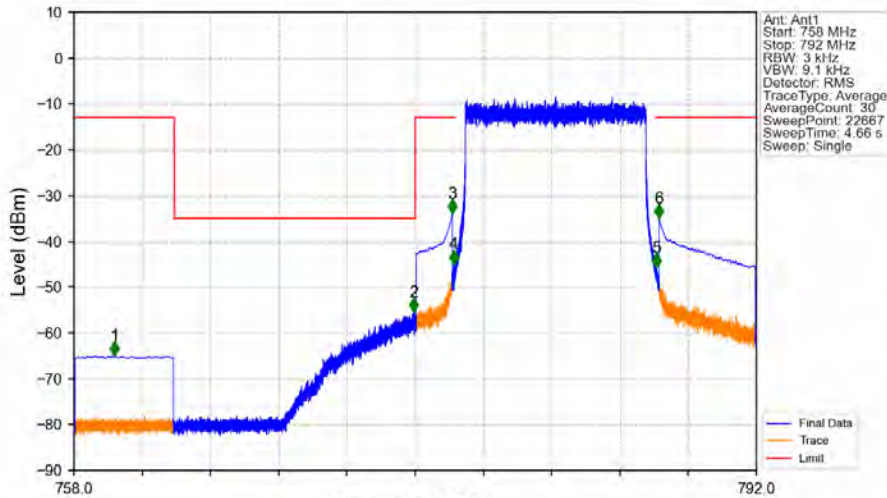
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Report No.: SZCR240100035201

Rev.: 01

Page: 74 of 105

Band13\_10MHz\_QPSK\_LCH\_782MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.028	-64.98	-13	Pass
763	775	0.00625	/	2	774.931	-55.45	-35	Pass
775	776.9	0.1	CHP	3	776.850	-33.99	-13	Pass
776.9	777	0.03	/	4	776.925	-44.95	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	5	787.003	-45.71	-13	Pass
787.1	792	0.1	CHP	6	787.150	-35.02	-13	Pass



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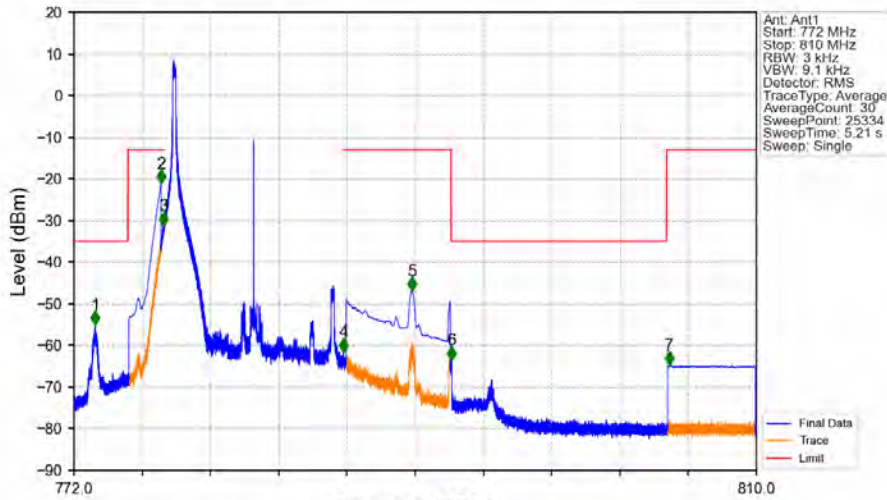
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Report No.: SZCR240100035201

Rev.: 01

Page: 75 of 105

Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.181	-55.14	-35	Pass
775	776.9	0.1	CHP	2	776.850	-21.09	-13	Pass
776.9	777	0.03	/	3	776.974	-31.32	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.008	-61.58	-13	Pass
787.1	793	0.1	CHP	5	790.834	-46.92	-13	Pass
793	805	0.00625	/	6	793.033	-63.53	-35	Pass
805	810	0.1	CHP	7	805.129	-64.86	-13	Pass



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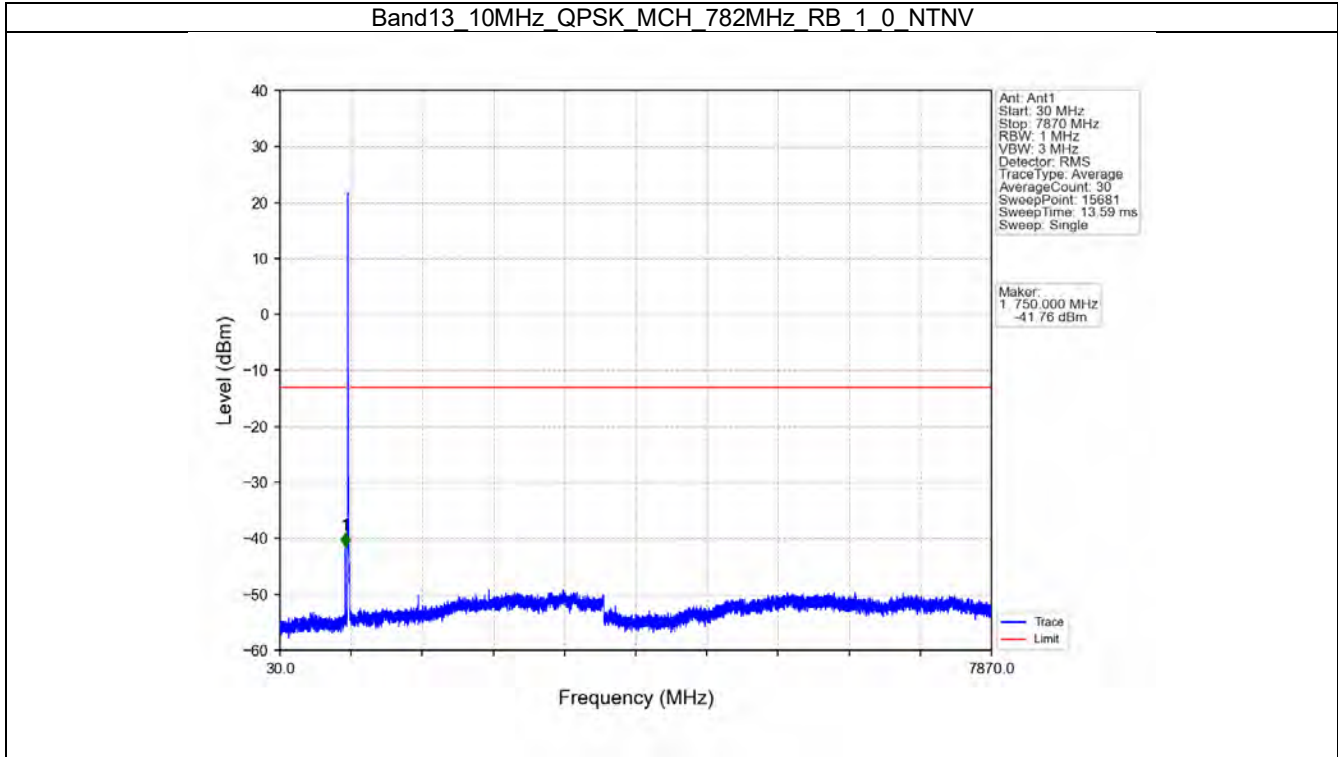


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Report No.: SZCR240100035201

Rev.: 01

Page: 76 of 105



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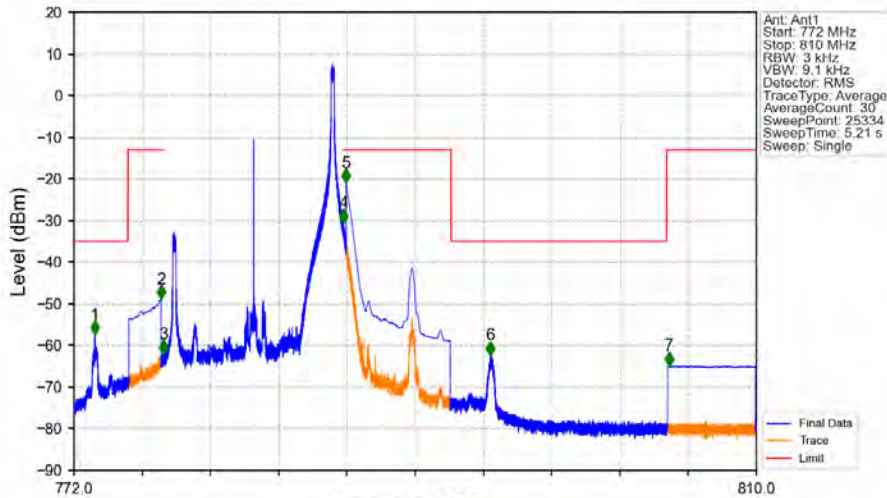
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Report No.: SZCR240100035201

Rev.: 01

Page: 77 of 105

Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.163	-57.38	-35	Pass
775	776.9	0.1	CHP	2	776.850	-48.91	-13	Pass
776.9	777	0.03	/	3	776.994	-62.06	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.015	-30.57	-13	Pass
787.1	793	0.1	CHP	5	787.150	-21.00	-13	Pass
793	805	0.00625	/	6	795.190	-62.38	-35	Pass
805	810	0.1	CHP	7	805.143	-64.91	-13	Pass



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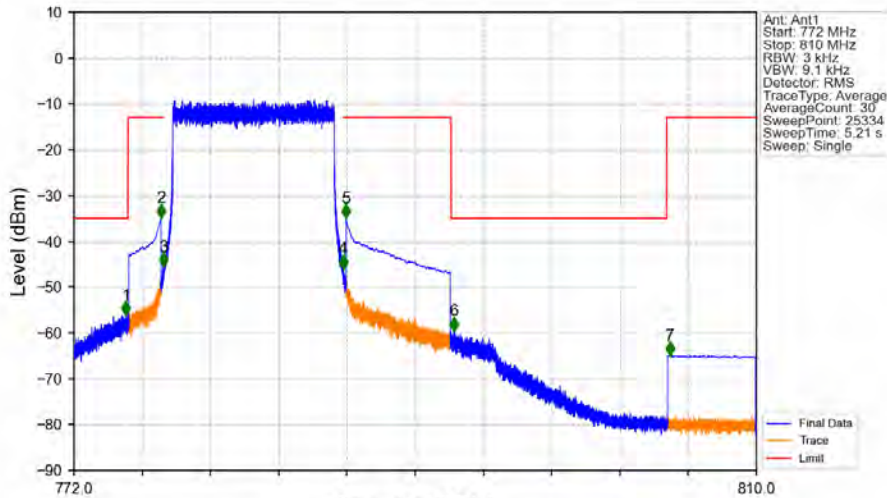
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Report No.: SZCR240100035201

Rev.: 01

Page: 78 of 105

Band13\_10MHz\_QPSK\_MCH\_782MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.897	-56.12	-35	Pass
775	776.9	0.1	CHP	2	776.850	-34.91	-13	Pass
776.9	777	0.03	/	3	776.970	-45.55	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.000	-46.02	-13	Pass
787.1	793	0.1	CHP	5	787.150	-35.01	-13	Pass
793	805	0.00625	/	6	793.152	-59.59	-35	Pass
805	810	0.1	CHP	7	805.191	-64.91	-13	Pass



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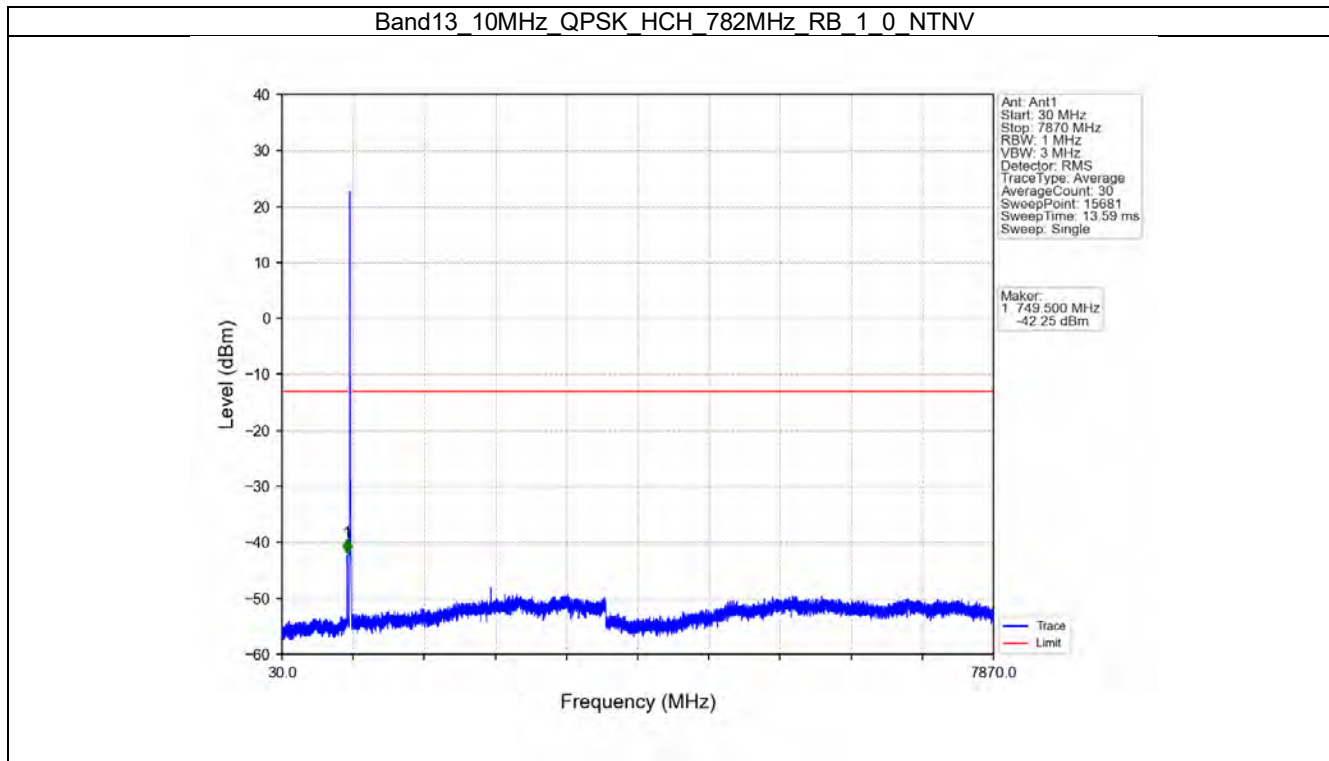
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Rev.: 01  
Page: 79 of 105



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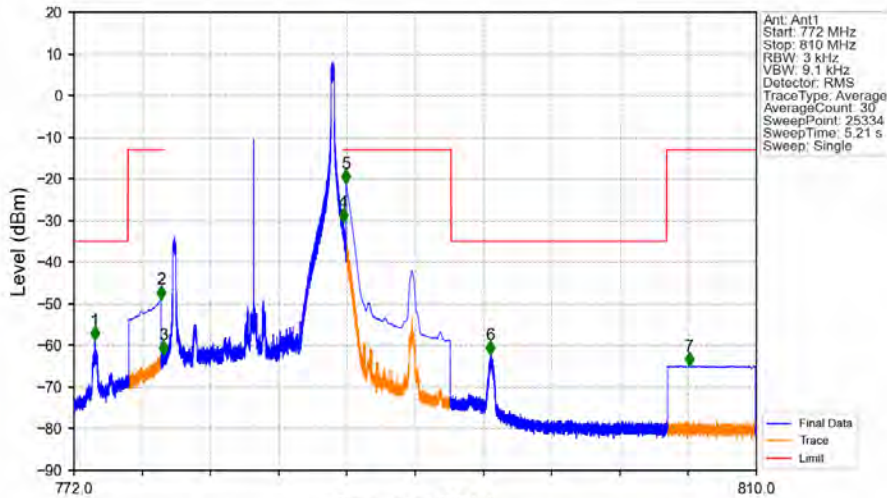
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Report No.: SZCR240100035201

Rev.: 01

Page: 80 of 105

Band13 10MHz QPSK HCH 782MHz RB 1 49 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.163	-58.80	-35	Pass
775	776.9	0.1	CHP	2	776.848	-48.97	-13	Pass
776.9	777	0.03	/	3	776.964	-62.29	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.000	-30.38	-13	Pass
787.1	793	0.1	CHP	5	787.150	-21.18	-13	Pass
793	805	0.00625	/	6	795.198	-62.22	-35	Pass
805	810	0.1	CHP	7	806.260	-64.93	-13	Pass



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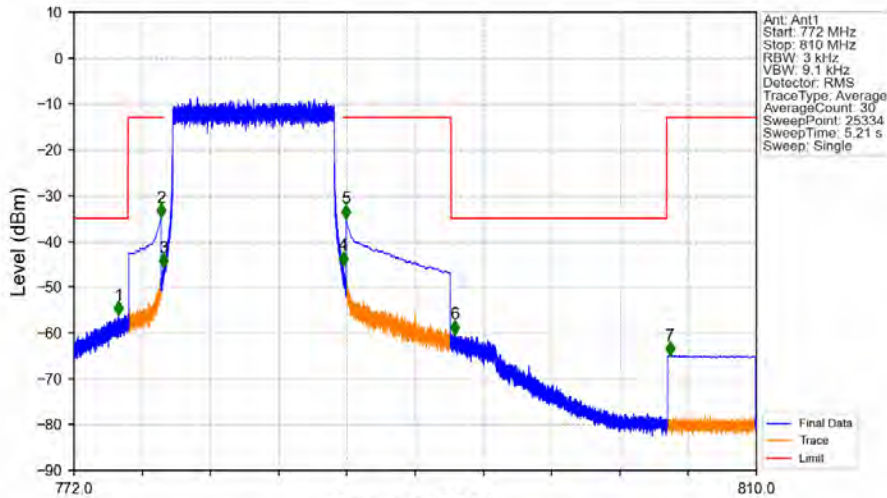
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Report No.: SZCR240100035201

Rev.: 01

Page: 81 of 105

Band13 10MHz QPSK HCH 782MHz RB 50\_0 NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.490	-56.14	-35	Pass
775	776.9	0.1	CHP	2	776.850	-34.79	-13	Pass
776.9	777	0.03	/	3	776.994	-45.72	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.002	-45.29	-13	Pass
787.1	793	0.1	CHP	5	787.150	-35.08	-13	Pass
793	805	0.00625	/	6	793.215	-60.31	-35	Pass
805	810	0.1	CHP	7	805.179	-64.93	-13	Pass



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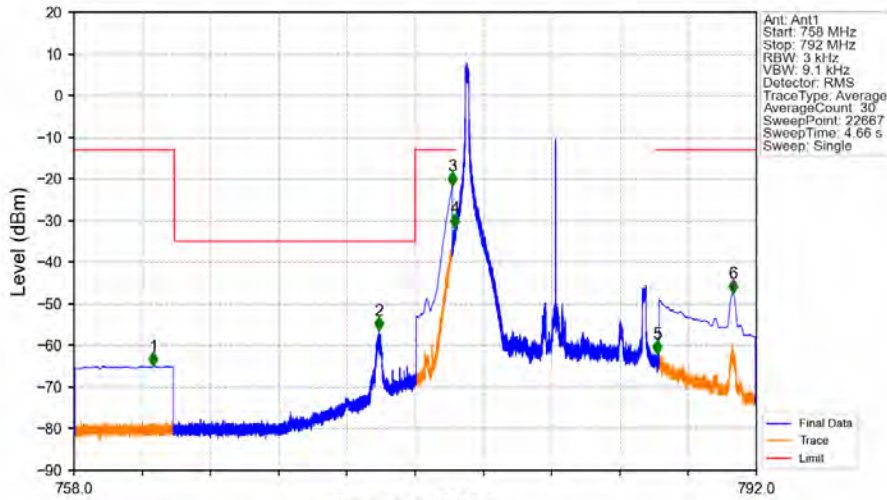
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Report No.: SZCR240100035201

Rev.: 01

Page: 82 of 105

Band13\_10MHz\_16QAM\_LCH\_782MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	761.951	-65.01	-13	Pass
763	775	0.00625	/	2	773.206	-56.40	-35	Pass
775	776.9	0.1	CHP	3	776.850	-21.77	-13	Pass
776.9	777	0.03	/	4	776.986	-31.83	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	5	787.072	-62.11	-13	Pass
787.1	792	0.1	CHP	6	790.821	-47.48	-13	Pass



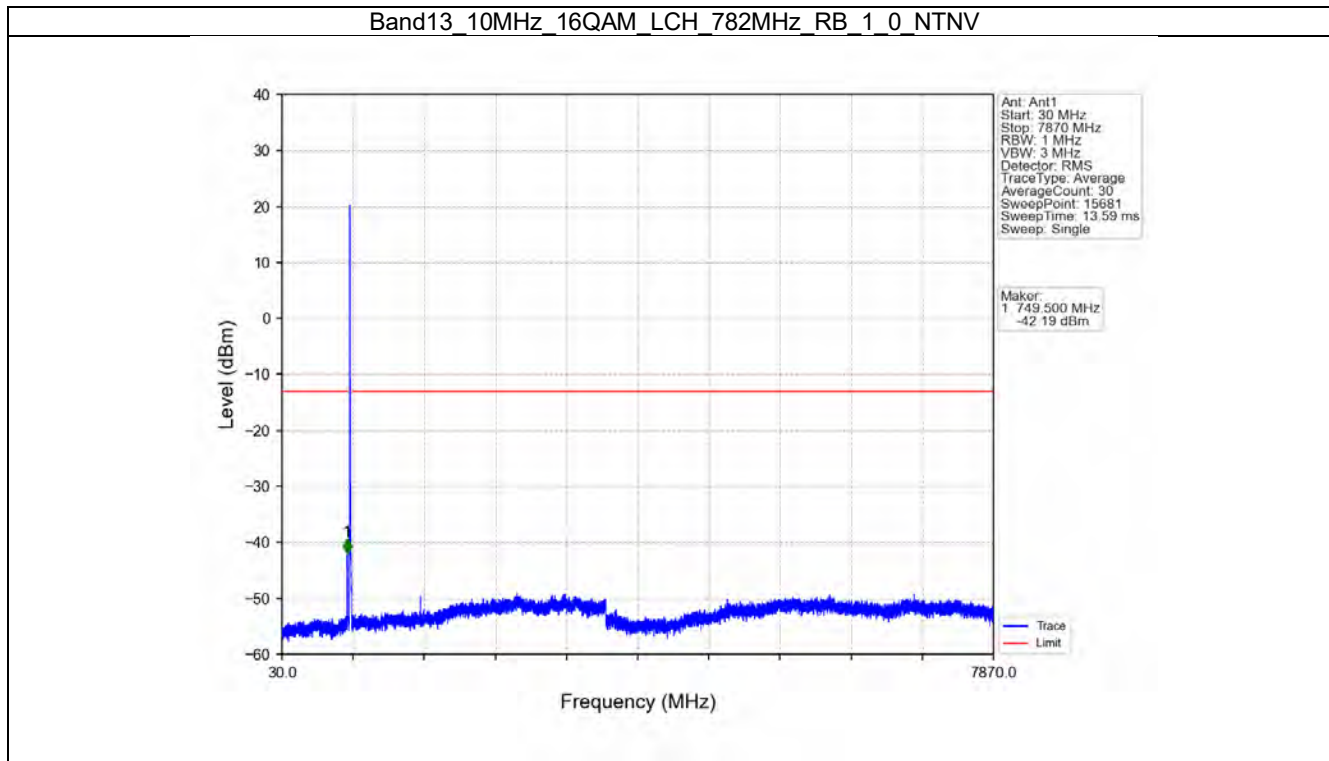
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Rev.: 01  
Page: 83 of 105



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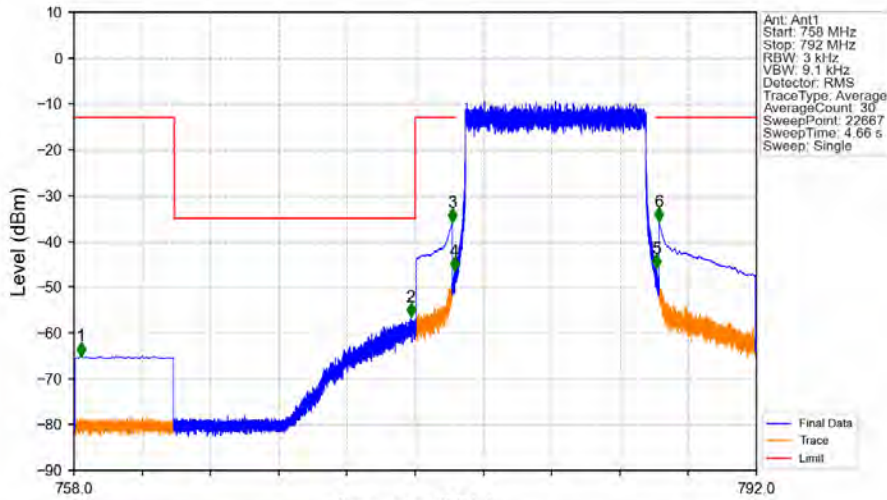
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Report No.: SZCR240100035201

Rev.: 01

Page: 84 of 105

Band13\_10MHz\_16QAM\_LCH\_782MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	758.356	-65.05	-13	Pass
763	775	0.00625	/	2	774.781	-56.45	-35	Pass
775	776.9	0.1	CHP	3	776.850	-35.87	-13	Pass
776.9	777	0.03	/	4	776.970	-46.45	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	5	787.015	-45.95	-13	Pass
787.1	792	0.1	CHP	6	787.150	-35.67	-13	Pass



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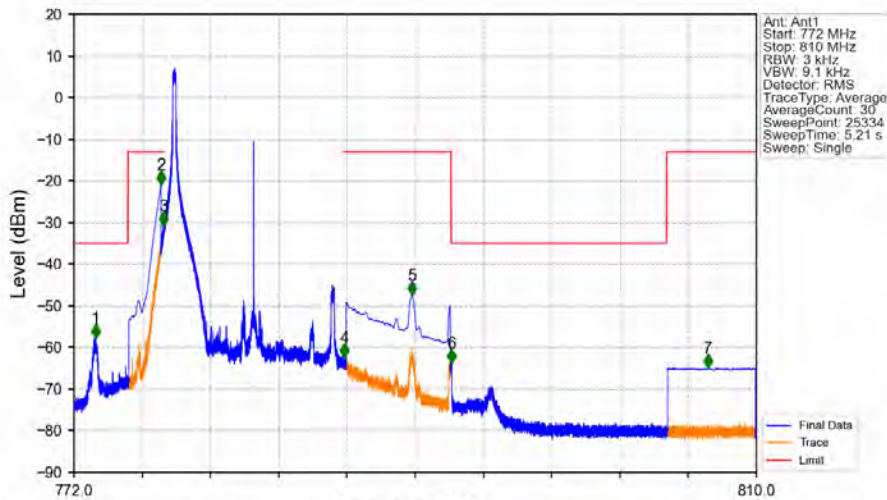
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Report No.: SZCR240100035201

Rev.: 01

Page: 85 of 105

Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.208	-57.78	-35	Pass
775	776.9	0.1	CHP	2	776.850	-21.01	-13	Pass
776.9	777	0.03	/	3	777.000	-30.79	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.065	-62.44	-13	Pass
787.1	793	0.1	CHP	5	790.834	-47.57	-13	Pass
793	805	0.00625	/	6	793.020	-63.84	-35	Pass
805	810	0.1	CHP	7	807.318	-65.03	-13	Pass



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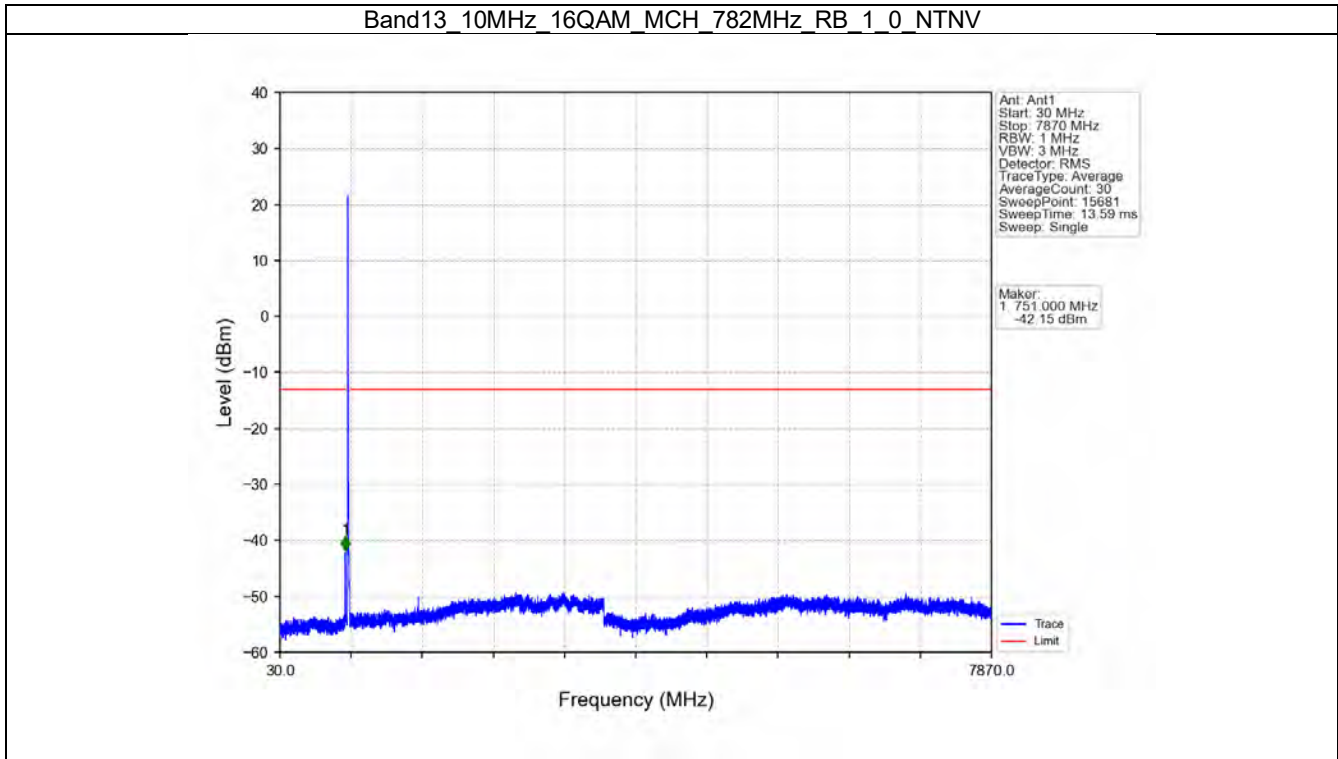


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Report No.: SZCR240100035201

Rev.: 01

Page: 86 of 105



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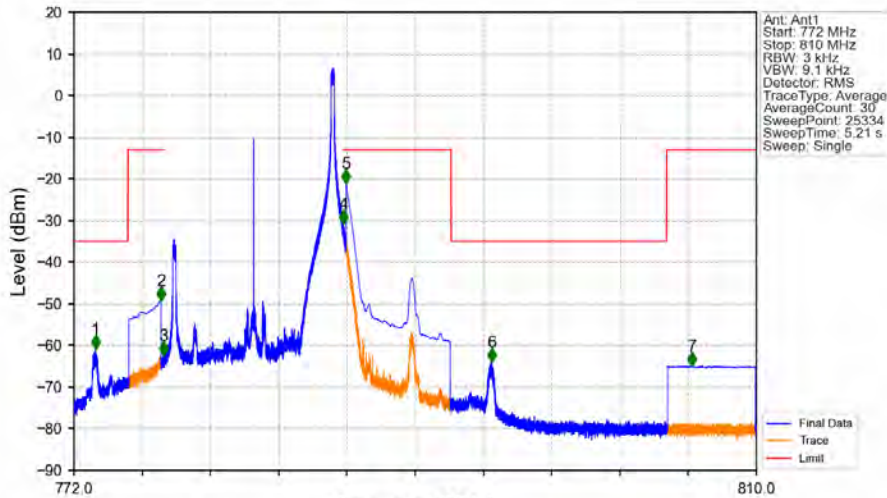
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Report No.: SZCR240100035201

Rev.: 01

Page: 87 of 105

Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.193	-60.88	-35	Pass
775	776.9	0.1	CHP	2	776.850	-49.20	-13	Pass
776.9	777	0.03	/	3	777.000	-62.43	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.015	-30.82	-13	Pass
787.1	793	0.1	CHP	5	787.150	-21.10	-13	Pass
793	805	0.00625	/	6	795.267	-64.07	-35	Pass
805	810	0.1	CHP	7	806.427	-64.95	-13	Pass



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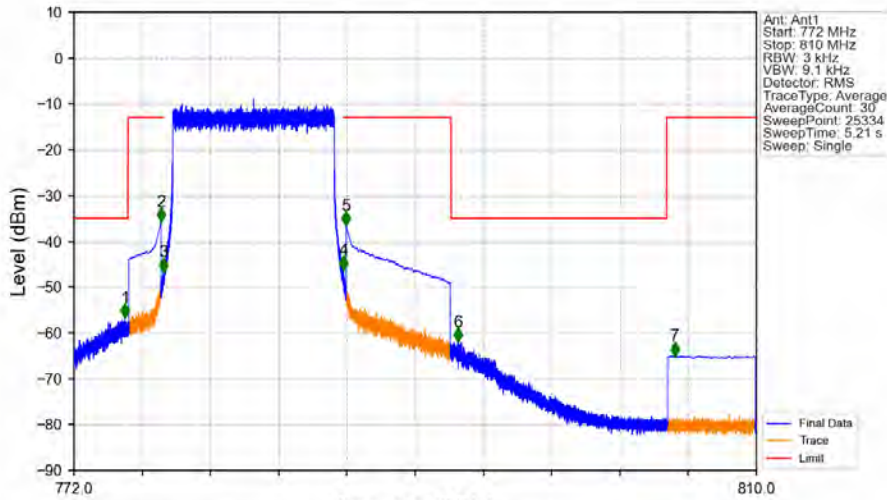
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Report No.: SZCR240100035201

Rev.: 01

Page: 88 of 105

Band13\_10MHz\_16QAM\_MCH\_782MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.852	-56.68	-35	Pass
775	776.9	0.1	CHP	2	776.848	-35.63	-13	Pass
776.9	777	0.03	/	3	776.970	-46.72	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.020	-46.32	-13	Pass
787.1	793	0.1	CHP	5	787.150	-36.54	-13	Pass
793	805	0.00625	/	6	793.377	-62.04	-35	Pass
805	810	0.1	CHP	7	805.456	-65.06	-13	Pass



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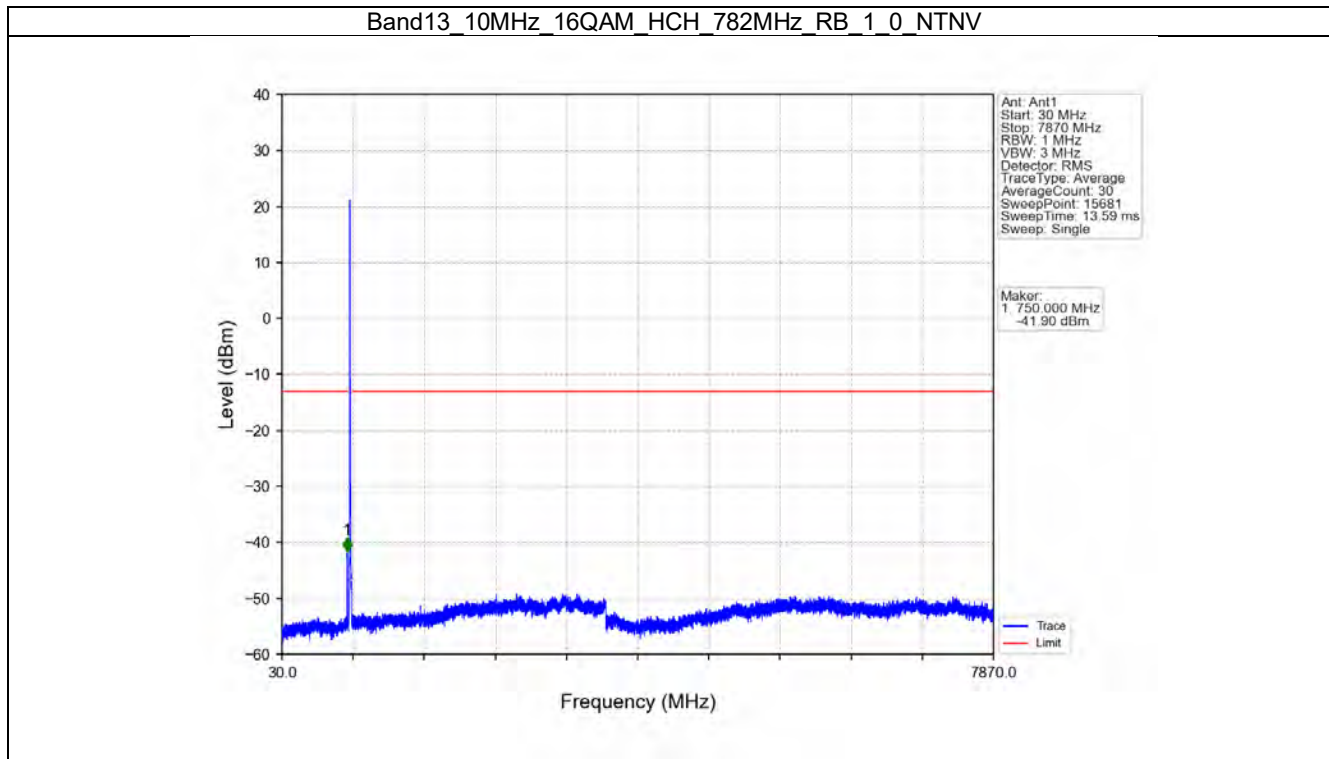
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Report No.: SZCR240100035201  
Rev.: 01  
Page: 89 of 105



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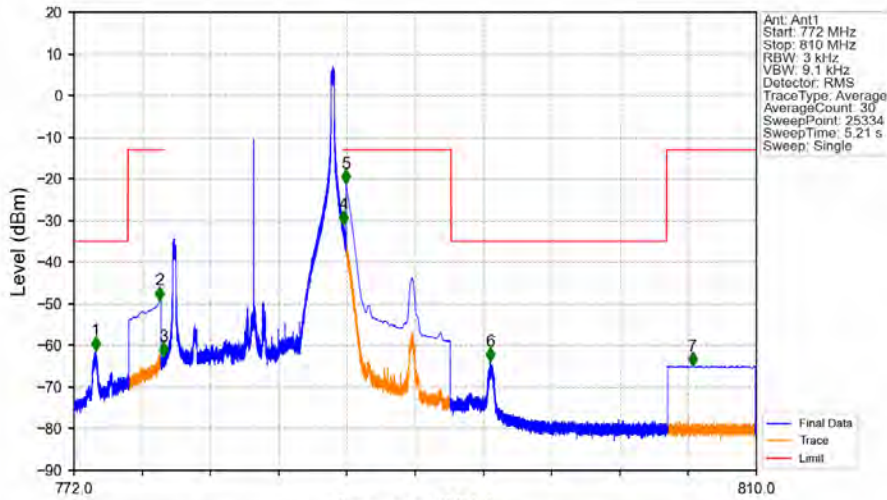
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Report No.: SZCR240100035201

Rev.: 01

Page: 90 of 105

Band13\_10MHz\_16QAM\_HCH\_782MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.196	-61.20	-35	Pass
775	776.9	0.1	CHP	2	776.764	-49.16	-13	Pass
776.9	777	0.03	/	3	776.979	-62.68	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.014	-30.93	-13	Pass
787.1	793	0.1	CHP	5	787.150	-21.17	-13	Pass
793	805	0.00625	/	6	795.180	-63.87	-35	Pass
805	810	0.1	CHP	7	806.433	-64.92	-13	Pass



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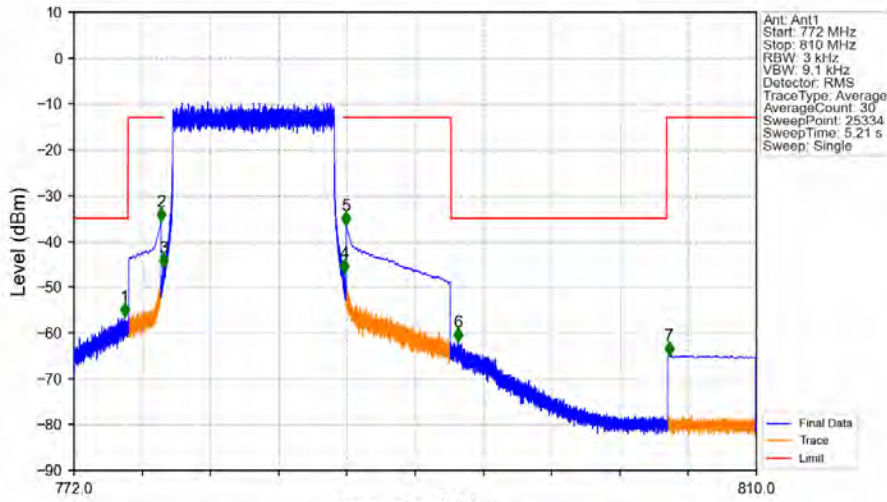
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Report No.: SZCR240100035201

Rev.: 01

Page: 91 of 105

Band13\_10MHz\_16QAM\_HCH\_782MHz\_RB\_50\_0\_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.808	-56.54	-35	Pass
775	776.9	0.1	CHP	2	776.850	-35.66	-13	Pass
776.9	777	0.03	/	3	776.970	-45.81	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.062	-46.93	-13	Pass
787.1	793	0.1	CHP	5	787.150	-36.55	-13	Pass
793	805	0.00625	/	6	793.375	-62.03	-35	Pass
805	810	0.1	CHP	7	805.144	-64.97	-13	Pass



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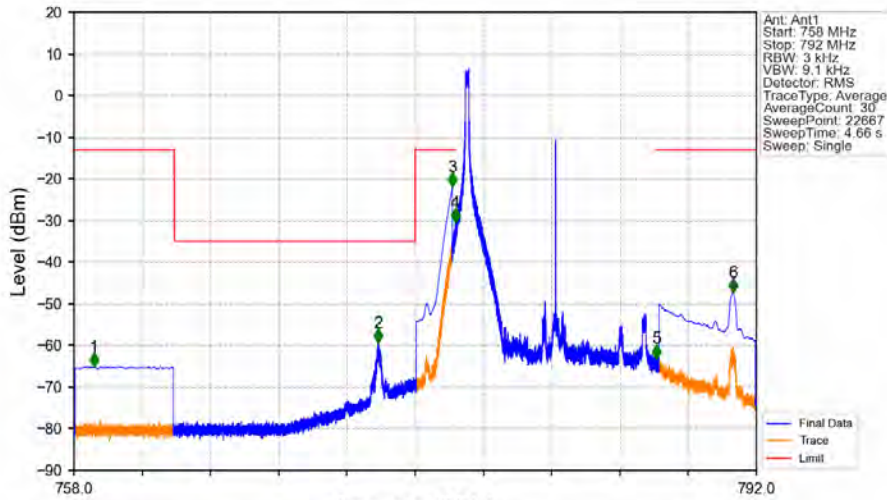
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Report No.: SZCR240100035201

Rev.: 01

Page: 92 of 105

Band13\_10MHz\_64QAM\_LCH\_782MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	759.001	-65.17	-13	Pass
763	775	0.00625	/	2	773.146	-59.41	-35	Pass
775	776.9	0.1	CHP	3	776.850	-21.95	-13	Pass
776.9	777	0.03	/	4	777.000	-30.47	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	5	787.021	-63.15	-13	Pass
787.1	792	0.1	CHP	6	790.824	-47.34	-13	Pass



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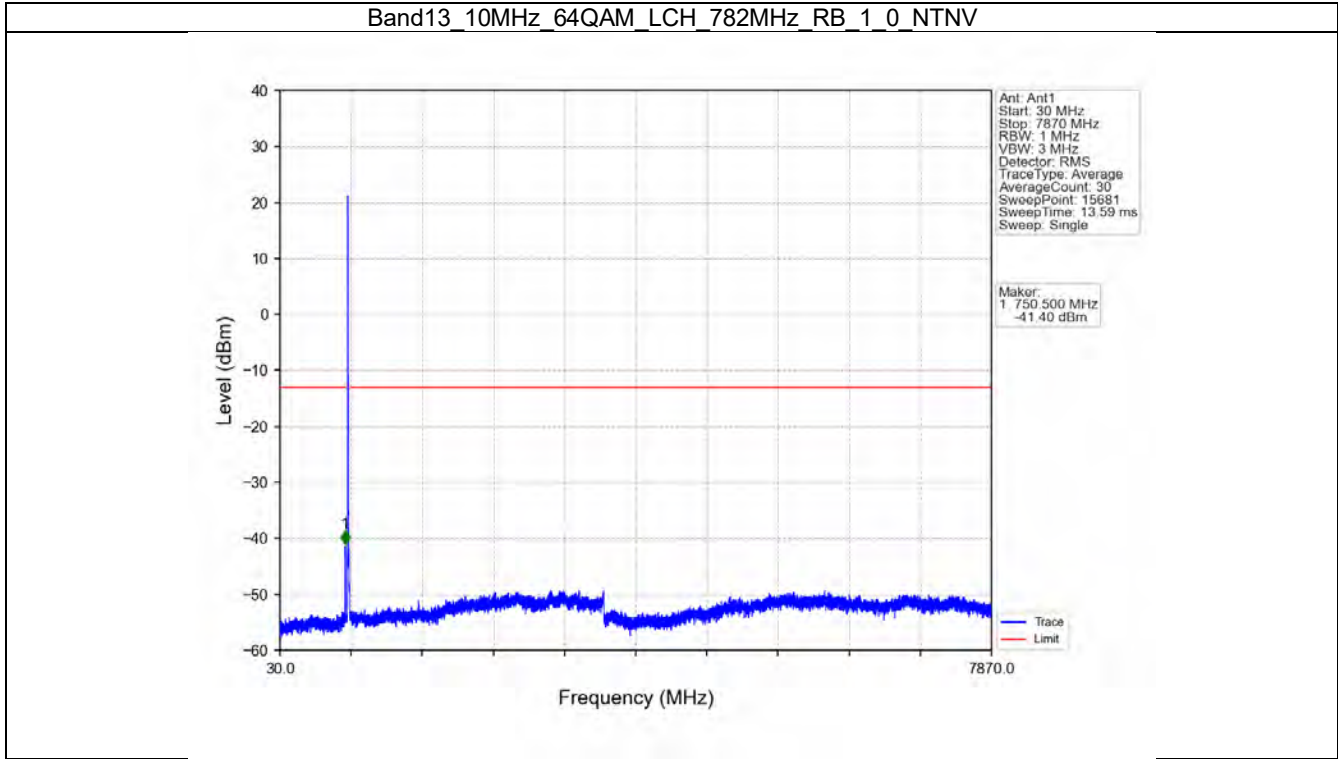


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Rev.: 01

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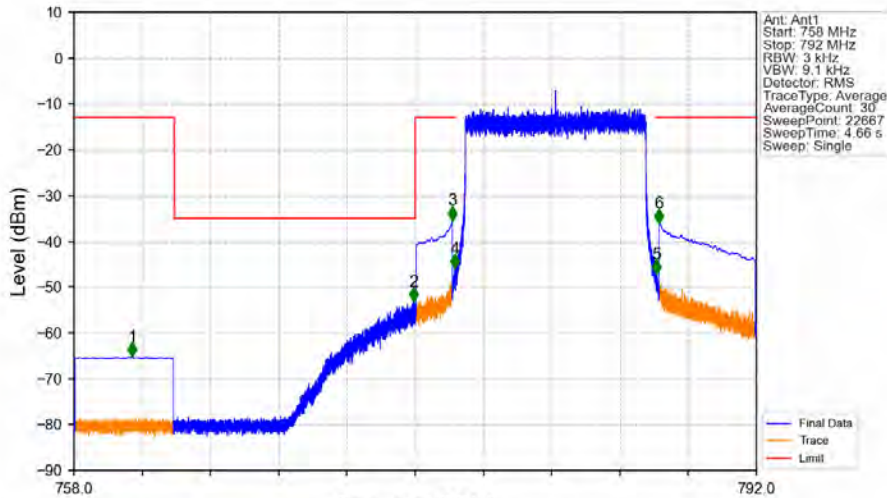
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Report No.: SZCR240100035201

Rev.: 01

Page: 94 of 105

Band13\_10MHz\_64QAM\_LCH\_782MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
758	763	0.1	CHP	1	760.904	-65.19	-13	Pass
763	775	0.00625	/	2	774.913	-53.09	-35	Pass
775	776.9	0.1	CHP	3	776.850	-35.44	-13	Pass
776.9	777	0.03	/	4	776.976	-45.97	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	5	787.002	-47.11	-13	Pass
787.1	792	0.1	CHP	6	787.150	-36.01	-13	Pass



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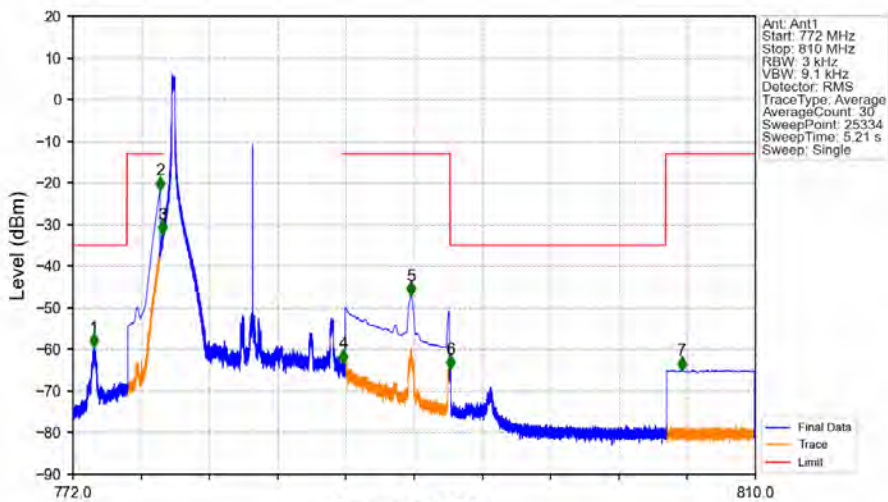
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Report No.: SZCR240100035201  
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Page: 95 of 105

Band13\_10MHz\_64QAM\_MCH\_782MHz\_RB\_1\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.163	-59.59	-35	Pass
775	776.9	0.1	CHP	2	776.850	-21.81	-13	Pass
776.9	777	0.03	/	3	776.973	-32.36	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.059	-63.33	-13	Pass
787.1	793	0.1	CHP	5	790.833	-47.11	-13	Pass
793	805	0.00625	/	6	793.015	-64.87	-35	Pass
805	810	0.1	CHP	7	805.903	-65.10	-13	Pass



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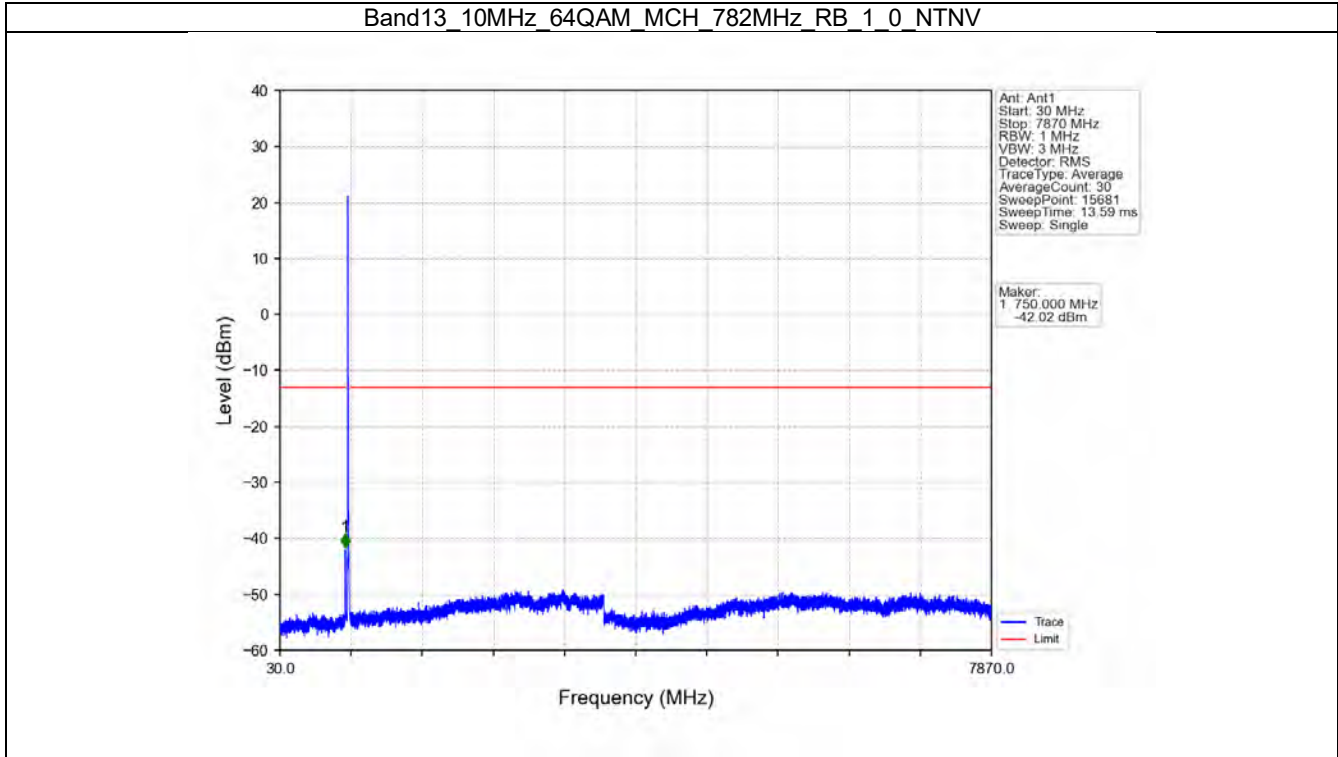


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Report No.: SZCR240100035201

Rev.: 01

Page: 96 of 105



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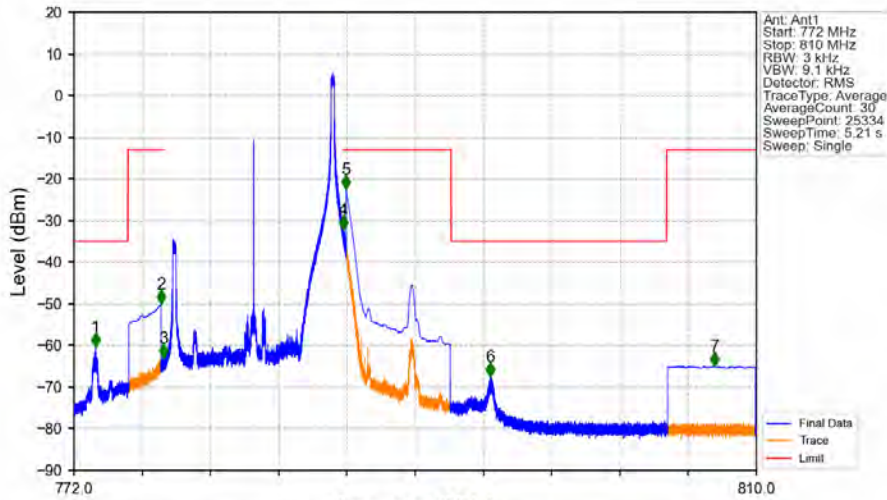
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Report No.: SZCR240100035201

Rev.: 01

Page: 97 of 105

Band13\_10MHz\_64QAM\_MCH\_782MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.196	-60.29	-35	Pass
775	776.9	0.1	CHP	2	776.841	-50.02	-13	Pass
776.9	777	0.03	/	3	776.989	-63.00	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.002	-32.25	-13	Pass
787.1	793	0.1	CHP	5	787.150	-22.54	-13	Pass
793	805	0.00625	/	6	795.192	-67.54	-35	Pass
805	810	0.1	CHP	7	807.685	-65.04	-13	Pass



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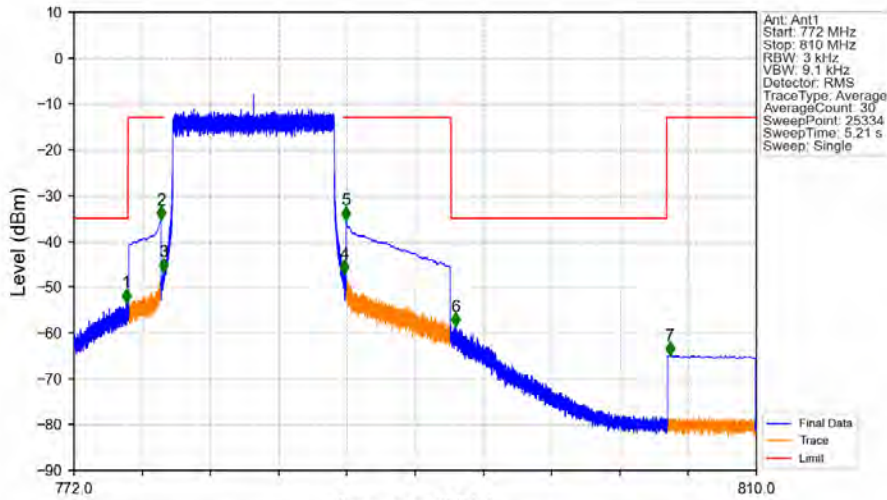
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Report No.: SZCR240100035201

Rev.: 01

Page: 98 of 105

Band13\_10MHz\_64QAM\_MCH\_782MHz\_RB\_50\_0\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.913	-53.41	-35	Pass
775	776.9	0.1	CHP	2	776.850	-35.32	-13	Pass
776.9	777	0.03	/	3	776.971	-46.73	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.063	-47.15	-13	Pass
787.1	793	0.1	CHP	5	787.150	-35.41	-13	Pass
793	805	0.00625	/	6	793.231	-58.67	-35	Pass
805	810	0.1	CHP	7	805.173	-64.97	-13	Pass



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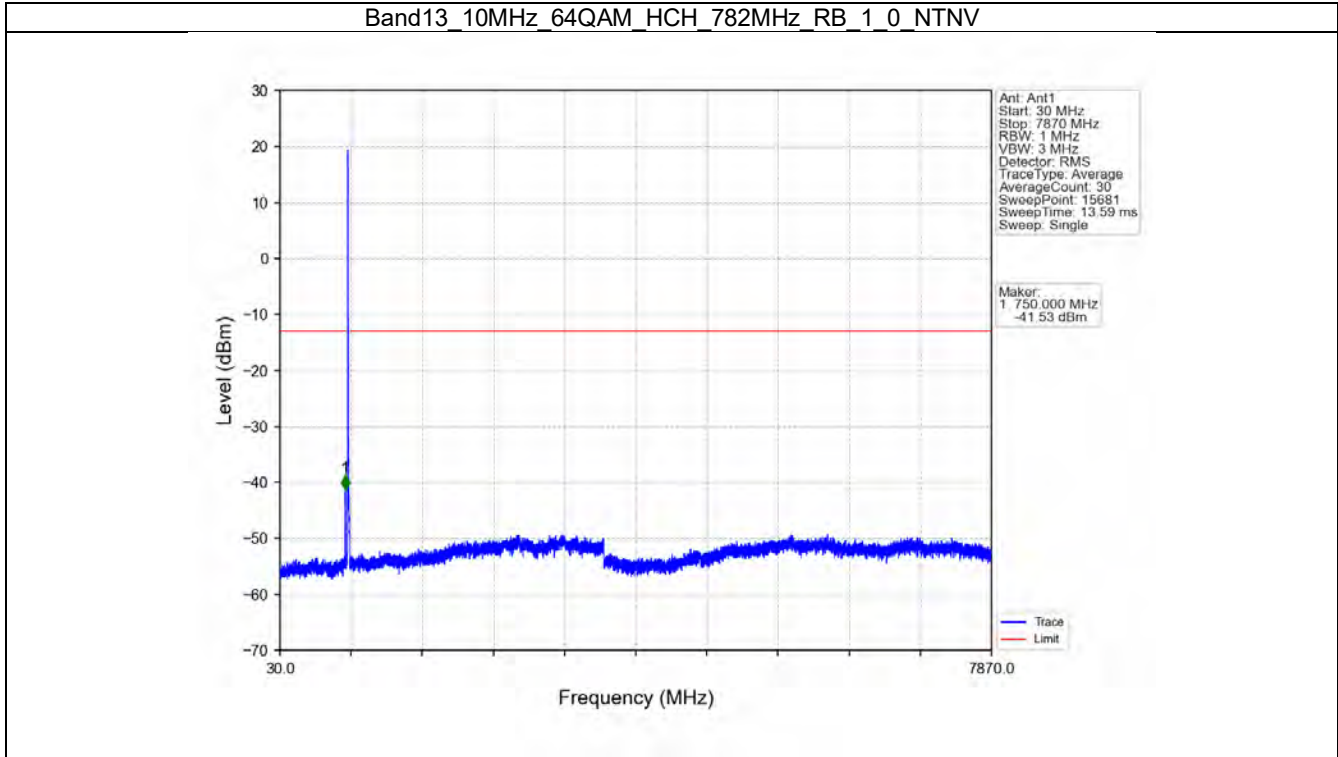


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Report No.: SZCR240100035201

Rev.: 01

Page: 99 of 105



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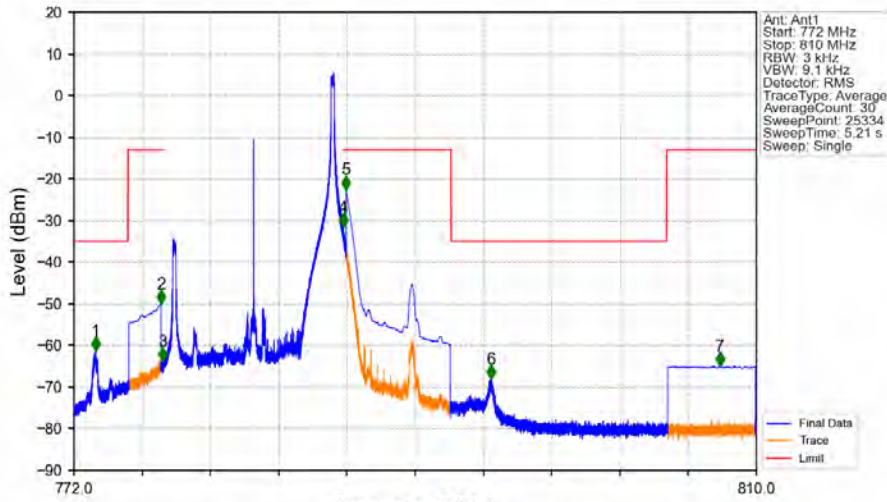
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Report No.: SZCR240100035201

Rev.: 01

Page: 100 of 105

Band13\_10MHz\_64QAM\_HCH\_782MHz\_RB\_1\_49\_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	773.199	-61.26	-35	Pass
775	776.9	0.1	CHP	2	776.838	-50.08	-13	Pass
776.9	777	0.03	/	3	776.935	-63.80	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.002	-31.66	-13	Pass
787.1	793	0.1	CHP	5	787.150	-22.58	-13	Pass
793	805	0.00625	/	6	795.208	-68.03	-35	Pass
805	810	0.1	CHP	7	807.970	-64.98	-13	Pass



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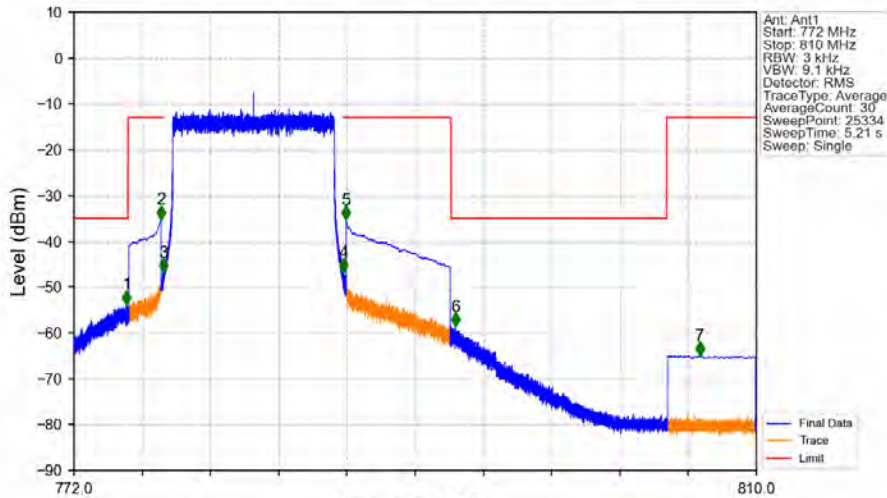
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Report No.: SZCR240100035201

Rev.: 01

Page: 101 of 105

Band13\_10MHz\_64QAM\_HCH\_782MHz\_RB\_50\_0\_NTV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
772	775	0.00625	/	1	774.928	-53.78	-35	Pass
775	776.9	0.1	CHP	2	776.850	-35.25	-13	Pass
776.9	777	0.03	/	3	776.988	-46.85	-13	Pass
777	787	0.03	/	/	/	/	/	/
787	787.1	0.03	/	4	787.018	-46.83	-13	Pass
787.1	793	0.1	CHP	5	787.150	-35.29	-13	Pass
793	805	0.00625	/	6	793.230	-58.64	-35	Pass
805	810	0.1	CHP	7	806.833	-64.97	-13	Pass



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Report No.: SZCR240100035201

Rev.: 01

Page: 102 of 105

## 6. Field Strength of Spurious Radiation

Test Band = B13\_10M \_ TM1

Test Channel = mid

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1555.0000	47.40	24.67	-48.96	-72.15	-13.00	59.15	Horizontal
2	2332.5000	50.02	27.00	-48.26	-66.50	-13.00	53.50	Horizontal
3	3110.0000	44.98	28.62	-47.80	-69.46	-13.00	56.46	Horizontal
4	3887.5000	44.39	29.32	-47.20	-68.75	-13.00	55.75	Horizontal
5	4665.0000	44.72	30.60	-46.99	-66.93	-13.00	53.93	Horizontal
6	5442.5000	44.20	32.46	-46.83	-65.43	-13.00	52.43	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1555.0000	49.44	24.67	-48.96	-70.11	-13.00	57.11	Vertical
2	2332.5000	50.94	27.00	-48.26	-65.58	-13.00	52.58	Vertical
3	3110.0000	45.17	28.62	-47.80	-69.27	-13.00	56.27	Vertical
4	3887.5000	44.22	29.32	-47.20	-68.92	-13.00	55.92	Vertical
5	4665.0000	44.68	30.60	-46.99	-66.97	-13.00	53.97	Vertical
6	5442.5000	44.78	32.46	-46.83	-64.85	-13.00	51.85	Vertical



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Report No.: SZCR240100035201

Rev.: 01

Page: 103 of 105

Test Band = B13\_5M \_ TM1  
Test Channel = low

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1554.5000	45.66	24.66	-48.97	-73.91	-13.00	60.91	Horizontal
2	2331.7500	47.84	27.00	-48.26	-68.68	-13.00	55.68	Horizontal
3	3109.0000	44.89	28.62	-47.81	-69.56	-13.00	56.56	Horizontal
4	3886.2500	44.03	29.32	-47.20	-69.11	-13.00	56.11	Horizontal
5	4663.5000	44.37	30.59	-46.99	-67.29	-13.00	54.29	Horizontal
6	5440.7500	44.32	32.46	-46.83	-65.31	-13.00	52.31	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1554.5000	47.48	24.66	-48.97	-72.09	-13.00	59.09	Vertical
2	2331.7500	48.28	27.00	-48.26	-68.24	-13.00	55.24	Vertical
3	3109.0000	44.22	28.62	-47.81	-70.23	-13.00	57.23	Vertical
4	3886.2500	44.60	29.32	-47.20	-68.54	-13.00	55.54	Vertical
5	4663.5000	45.03	30.59	-46.99	-66.63	-13.00	53.63	Vertical
6	5440.7500	44.53	32.46	-46.83	-65.10	-13.00	52.10	Vertical



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

Report No.: SZCR240100035201

Rev.: 01

Page: 104 of 105

Test Band = B13\_5M \_ TM1  
Test Channel = mid

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1559.5000	46.68	24.68	-48.96	-72.86	-40.00	32.86	Horizontal
2	2339.2500	47.68	27.01	-48.26	-68.83	-13.00	55.83	Horizontal
3	3119.0000	44.99	28.62	-47.76	-69.41	-13.00	56.41	Horizontal
4	3898.7500	44.18	29.34	-47.16	-68.90	-13.00	55.90	Horizontal
5	4678.5000	44.71	30.63	-46.99	-66.91	-13.00	53.91	Horizontal
6	5458.2500	44.47	32.50	-46.88	-65.17	-13.00	52.17	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1559.5000	47.89	24.68	-48.96	-71.65	-40.00	31.65	Vertical
2	2339.2500	48.90	27.01	-48.26	-67.61	-13.00	54.61	Vertical
3	3119.0000	45.07	28.62	-47.76	-69.33	-13.00	56.33	Vertical
4	3898.7500	44.81	29.34	-47.16	-68.27	-13.00	55.27	Vertical
5	4678.5000	44.75	30.63	-46.99	-66.87	-13.00	53.87	Vertical
6	5458.2500	44.48	32.50	-46.88	-65.16	-13.00	52.16	Vertical



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Report No.: SZCR240100035201

Rev.: 01

Page: 105 of 105

**Test Band = B13\_5M \_ TM1**  
**Test Channel = high**

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.5000	46.09	24.69	-48.96	-73.44	-40.00	33.44	Horizontal
2	2346.7500	47.82	27.03	-48.26	-68.67	-13.00	55.67	Horizontal
3	3129.0000	44.60	28.63	-47.71	-69.74	-13.00	56.74	Horizontal
4	3911.2500	44.79	29.36	-47.18	-68.29	-13.00	55.29	Horizontal
5	4693.5000	43.80	30.67	-46.98	-67.77	-13.00	54.77	Horizontal
6	5475.7500	44.20	32.54	-46.93	-65.45	-13.00	52.45	Horizontal

Final Data List								
NO	Frequency [MHz]	Reading [dBμV]	AF [dB/m]	Factor [dB]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	1564.5000	45.99	24.69	-48.96	-73.54	-40.00	33.54	Vertical
2	2346.7500	48.61	27.03	-48.26	-67.88	-13.00	54.88	Vertical
3	3129.0000	44.99	28.63	-47.71	-69.35	-13.00	56.35	Vertical
4	3911.2500	44.81	29.36	-47.18	-68.27	-13.00	55.27	Vertical
5	4693.5000	44.19	30.67	-46.98	-67.38	-13.00	54.38	Vertical
6	5475.7500	44.74	32.54	-46.93	-64.91	-13.00	51.91	Vertical

Remark:

1) The field strength is calculated by adding the Antenna Factor, Cable Factor & AMP. The basic equation with a sample calculation is as follows:

AF = Antenna Factor(dB/m)

Factor = Cable Factor(dB) - Preamplifier (dB)

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

2) All antennas of RSE are tested, and only the worst data is presented.

---End of Attachment---



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No.1 Workshop, M-10, Middle Section, Science & Technology Park, Nanshan District, Shenzhen, Guangdong, China 518057 t (86-755) 26012053 www.sgs.com.cn  
中国·广东·深圳市南山区科技园中区M-10栋1号厂房 邮编: 518057 t (86-755) 26012053 sgs.china@sgs.com