



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

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# Appendix B.6

## LTE Band 2



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

Ant0

### 1.1 B2\_1.4MHz\_EIRP

#### 1.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTNv										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1850.7	1	0	22.87	-1.50	21.37	<=33.01	Pass		
			2	22.84	-1.50	21.34	<=33.01	Pass		
			5	22.90	-1.50	21.40	<=33.01	Pass		
		3	0	22.92	-1.50	21.42	<=33.01	Pass		
			2	22.92	-1.50	21.42	<=33.01	Pass		
			3	22.92	-1.50	21.42	<=33.01	Pass		
		6	0	22.44	-1.50	20.94	<=33.01	Pass		
		1880	1	0	22.94	-1.50	21.44	<=33.01	Pass	
				2	22.91	-1.50	21.41	<=33.01	Pass	
	5			22.95	-1.50	21.45	<=33.01	Pass		
	3		0	22.95	-1.50	21.45	<=33.01	Pass		
			2	22.95	-1.50	21.45	<=33.01	Pass		
			3	22.94	-1.50	21.44	<=33.01	Pass		
	6		0	22.47	-1.50	20.97	<=33.01	Pass		
	1909.3		1	0	23.06	-1.50	21.56	<=33.01	Pass	
				2	23.06	-1.50	21.56	<=33.01	Pass	
		5		23.11	-1.50	21.61	<=33.01	Pass		
		3	0	23.12	-1.50	21.62	<=33.01	Pass		
			2	23.16	-1.50	21.66	<=33.01	Pass		
			3	23.13	-1.50	21.63	<=33.01	Pass		
		6	0	22.66	-1.50	21.16	<=33.01	Pass		
		16QAM	1850.7	1	0	22.56	-1.50	21.06	<=33.01	Pass
					2	22.53	-1.50	21.03	<=33.01	Pass
	5				22.58	-1.50	21.08	<=33.01	Pass	
3	0			22.33	-1.50	20.83	<=33.01	Pass		
	2			22.33	-1.50	20.83	<=33.01	Pass		
	3			22.33	-1.50	20.83	<=33.01	Pass		
6	0		20.91	-1.50	19.41	<=33.01	Pass			
1880	1		0	22.48	-1.50	20.98	<=33.01	Pass		
			2	22.45	-1.50	20.95	<=33.01	Pass		
			5	22.48	-1.50	20.98	<=33.01	Pass		
	3		0	22.63	-1.50	21.13	<=33.01	Pass		
			2	22.65	-1.50	21.15	<=33.01	Pass		
			3	22.67	-1.50	21.17	<=33.01	Pass		
	6		0	20.95	-1.50	19.45	<=33.01	Pass		
	1909.3		1	0	22.80	-1.50	21.30	<=33.01	Pass	



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			2	22.76	-1.50	21.26	<=33.01	Pass	
			5	22.80	-1.50	21.30	<=33.01	Pass	
		3	0	22.70	-1.50	21.20	<=33.01	Pass	
			2	22.72	-1.50	21.22	<=33.01	Pass	
			3	22.72	-1.50	21.22	<=33.01	Pass	
		6	0	21.14	-1.50	19.64	<=33.01	Pass	
64QAM	1850.7	1	0	21.78	-1.50	20.28	<=33.01	Pass	
			2	21.73	-1.50	20.23	<=33.01	Pass	
			5	21.83	-1.50	20.33	<=33.01	Pass	
		3	0	21.86	-1.50	20.36	<=33.01	Pass	
			2	21.84	-1.50	20.34	<=33.01	Pass	
			3	21.84	-1.50	20.34	<=33.01	Pass	
		6	0	20.97	-1.50	19.47	<=33.01	Pass	
		1880	1	0	22.37	-1.50	20.87	<=33.01	Pass
				2	22.41	-1.50	20.91	<=33.01	Pass
	5			22.37	-1.50	20.87	<=33.01	Pass	
	3		0	22.14	-1.50	20.64	<=33.01	Pass	
			2	22.17	-1.50	20.67	<=33.01	Pass	
			3	22.16	-1.50	20.66	<=33.01	Pass	
	6		0	20.96	-1.50	19.46	<=33.01	Pass	
	1909.3		1	0	22.19	-1.50	20.69	<=33.01	Pass
				2	22.18	-1.50	20.68	<=33.01	Pass
		5		22.19	-1.50	20.69	<=33.01	Pass	
		3	0	22.31	-1.50	20.81	<=33.01	Pass	
			2	22.34	-1.50	20.84	<=33.01	Pass	
			3	22.33	-1.50	20.83	<=33.01	Pass	
		6	0	21.34	-1.50	19.84	<=33.01	Pass	



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## 1.2 B2\_3MHz\_EIRP

### 1.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1851.5	1	0	22.94	-1.50	21.44	<=33.01	Pass		
			7	22.95	-1.50	21.45	<=33.01	Pass		
			14	22.91	-1.50	21.41	<=33.01	Pass		
		8	0	22.42	-1.50	20.92	<=33.01	Pass		
			4	22.45	-1.50	20.95	<=33.01	Pass		
			7	22.43	-1.50	20.93	<=33.01	Pass		
		15	0	22.42	-1.50	20.92	<=33.01	Pass		
		1880	1	0	22.94	-1.50	21.44	<=33.01	Pass	
				7	22.92	-1.50	21.42	<=33.01	Pass	
	14			22.92	-1.50	21.42	<=33.01	Pass		
	8		0	22.45	-1.50	20.95	<=33.01	Pass		
			4	22.44	-1.50	20.94	<=33.01	Pass		
			7	22.45	-1.50	20.95	<=33.01	Pass		
	15		0	22.42	-1.50	20.92	<=33.01	Pass		
	1908.5		1	0	23.06	-1.50	21.56	<=33.01	Pass	
				7	23.05	-1.50	21.55	<=33.01	Pass	
		14		23.09	-1.50	21.59	<=33.01	Pass		
		8	0	22.60	-1.50	21.10	<=33.01	Pass		
			4	22.54	-1.50	21.04	<=33.01	Pass		
			7	22.58	-1.50	21.08	<=33.01	Pass		
		15	0	22.59	-1.50	21.09	<=33.01	Pass		
		16QAM	1851.5	1	0	22.99	-1.50	21.49	<=33.01	Pass
					7	23.02	-1.50	21.52	<=33.01	Pass
	14				22.96	-1.50	21.46	<=33.01	Pass	
	8			0	21.07	-1.50	19.57	<=33.01	Pass	
				4	21.04	-1.50	19.54	<=33.01	Pass	
				7	21.07	-1.50	19.57	<=33.01	Pass	
15	0			20.98	-1.50	19.48	<=33.01	Pass		
1880	1			0	22.61	-1.50	21.11	<=33.01	Pass	
				7	22.60	-1.50	21.10	<=33.01	Pass	
			14	22.56	-1.50	21.06	<=33.01	Pass		
	8		0	20.90	-1.50	19.40	<=33.01	Pass		
			4	20.91	-1.50	19.41	<=33.01	Pass		
			7	20.94	-1.50	19.44	<=33.01	Pass		
	15		0	20.89	-1.50	19.39	<=33.01	Pass		
	1908.5		1	0	22.59	-1.50	21.09	<=33.01	Pass	
				7	22.58	-1.50	21.08	<=33.01	Pass	
14				22.58	-1.50	21.08	<=33.01	Pass		
8			0	21.20	-1.50	19.70	<=33.01	Pass		
			4	21.16	-1.50	19.66	<=33.01	Pass		
			7	21.17	-1.50	19.67	<=33.01	Pass		



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64QAM	1851.5	15	0	21.13	-1.50	19.63	<=33.01	Pass	
			1	0	22.15	-1.50	20.65	<=33.01	Pass
				7	22.18	-1.50	20.68	<=33.01	Pass
		8	14	22.15	-1.50	20.65	<=33.01	Pass	
			0	21.10	-1.50	19.60	<=33.01	Pass	
			4	21.08	-1.50	19.58	<=33.01	Pass	
			7	21.10	-1.50	19.60	<=33.01	Pass	
			15	0	20.90	-1.50	19.40	<=33.01	Pass
			1880	1	0	22.01	-1.50	20.51	<=33.01
	7	22.08			-1.50	20.58	<=33.01	Pass	
	14	22.01			-1.50	20.51	<=33.01	Pass	
	8	0		20.86	-1.50	19.36	<=33.01	Pass	
		4		20.82	-1.50	19.32	<=33.01	Pass	
		7		20.83	-1.50	19.33	<=33.01	Pass	
	15	0		21.06	-1.50	19.56	<=33.01	Pass	
	1908.5	1		0	21.97	-1.50	20.47	<=33.01	Pass
				7	21.96	-1.50	20.46	<=33.01	Pass
			14	21.94	-1.50	20.44	<=33.01	Pass	
		8	0	21.15	-1.50	19.65	<=33.01	Pass	
			4	21.11	-1.50	19.61	<=33.01	Pass	
			7	21.13	-1.50	19.63	<=33.01	Pass	
		15	0	21.13	-1.50	19.63	<=33.01	Pass	



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## 1.3 B2\_5MHz\_EIRP

### 1.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTVN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1852.5	1	0	23.09	-1.50	21.59	<=33.01	Pass		
			13	23.07	-1.50	21.57	<=33.01	Pass		
			24	23.09	-1.50	21.59	<=33.01	Pass		
		12	0	22.48	-1.50	20.98	<=33.01	Pass		
			6	22.49	-1.50	20.99	<=33.01	Pass		
			13	22.45	-1.50	20.95	<=33.01	Pass		
		25	0	22.51	-1.50	21.01	<=33.01	Pass		
		1880	1	0	23.02	-1.50	21.52	<=33.01	Pass	
				13	23.00	-1.50	21.50	<=33.01	Pass	
	24			23.02	-1.50	21.52	<=33.01	Pass		
	12		0	22.48	-1.50	20.98	<=33.01	Pass		
			6	22.45	-1.50	20.95	<=33.01	Pass		
			13	22.46	-1.50	20.96	<=33.01	Pass		
	25		0	22.51	-1.50	21.01	<=33.01	Pass		
	1907.5		1	0	23.13	-1.50	21.63	<=33.01	Pass	
				13	23.16	-1.50	21.66	<=33.01	Pass	
		24		23.17	-1.50	21.67	<=33.01	Pass		
		12	0	22.60	-1.50	21.10	<=33.01	Pass		
			6	22.59	-1.50	21.09	<=33.01	Pass		
			13	22.60	-1.50	21.10	<=33.01	Pass		
		25	0	22.65	-1.50	21.15	<=33.01	Pass		
		16QAM	1852.5	1	0	22.28	-1.50	20.78	<=33.01	Pass
					13	22.28	-1.50	20.78	<=33.01	Pass
	24				22.31	-1.50	20.81	<=33.01	Pass	
12	0			20.99	-1.50	19.49	<=33.01	Pass		
	6			20.97	-1.50	19.47	<=33.01	Pass		
	13			20.96	-1.50	19.46	<=33.01	Pass		
25	0			21.00	-1.50	19.50	<=33.01	Pass		
1880	1			0	22.76	-1.50	21.26	<=33.01	Pass	
				13	22.73	-1.50	21.23	<=33.01	Pass	
			24	22.72	-1.50	21.22	<=33.01	Pass		
	12		0	21.03	-1.50	19.53	<=33.01	Pass		
			6	21.00	-1.50	19.50	<=33.01	Pass		
			13	21.02	-1.50	19.52	<=33.01	Pass		
	25		0	20.97	-1.50	19.47	<=33.01	Pass		
	1907.5		1	0	22.67	-1.50	21.17	<=33.01	Pass	
				13	22.66	-1.50	21.16	<=33.01	Pass	
24				22.71	-1.50	21.21	<=33.01	Pass		
12			0	21.14	-1.50	19.64	<=33.01	Pass		
			6	21.12	-1.50	19.62	<=33.01	Pass		
			13	21.13	-1.50	19.63	<=33.01	Pass		



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			1	0	21.97	-1.50	20.47	<=33.01	Pass
				13	21.95	-1.50	20.45	<=33.01	Pass
		12	24	21.92	-1.50	20.42	<=33.01	Pass	
			0	20.97	-1.50	19.47	<=33.01	Pass	
			6	20.96	-1.50	19.46	<=33.01	Pass	
		25	13	20.93	-1.50	19.43	<=33.01	Pass	
			0	21.00	-1.50	19.50	<=33.01	Pass	
			1	0	22.16	-1.50	20.66	<=33.01	Pass
	13	22.14		-1.50	20.64	<=33.01	Pass		
	24	22.14		-1.50	20.64	<=33.01	Pass		
	1880	12	0	21.02	-1.50	19.52	<=33.01	Pass	
			6	21.00	-1.50	19.50	<=33.01	Pass	
			13	20.99	-1.50	19.49	<=33.01	Pass	
	25	0	21.00	-1.50	19.50	<=33.01	Pass		
		1	0	22.28	-1.50	20.78	<=33.01	Pass	
			13	22.28	-1.50	20.78	<=33.01	Pass	
	24		22.33	-1.50	20.83	<=33.01	Pass		
	1907.5	12	0	21.27	-1.50	19.77	<=33.01	Pass	
			6	21.26	-1.50	19.76	<=33.01	Pass	
			13	21.25	-1.50	19.75	<=33.01	Pass	
	25	0	21.13	-1.50	19.63	<=33.01	Pass		



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## 1.4 B2\_10MHz\_EIRP

### 1.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTN								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	1855	1	0	22.98	-1.50	21.48	<=33.01	Pass
			25	22.93	-1.50	21.43	<=33.01	Pass
			49	22.92	-1.50	21.42	<=33.01	Pass
		25	0	22.49	-1.50	20.99	<=33.01	Pass
			13	22.47	-1.50	20.97	<=33.01	Pass
			25	22.48	-1.50	20.98	<=33.01	Pass
	1880	1	0	22.47	-1.50	20.97	<=33.01	Pass
			25	22.47	-1.50	20.97	<=33.01	Pass
			49	22.47	-1.50	20.97	<=33.01	Pass
		25	0	23.04	-1.50	21.54	<=33.01	Pass
			13	22.96	-1.50	21.46	<=33.01	Pass
			25	23.00	-1.50	21.50	<=33.01	Pass
	1905	1	0	22.50	-1.50	21.00	<=33.01	Pass
			13	22.47	-1.50	20.97	<=33.01	Pass
			25	22.49	-1.50	20.99	<=33.01	Pass
		25	0	22.50	-1.50	21.00	<=33.01	Pass
			13	23.15	-1.50	21.65	<=33.01	Pass
			25	23.04	-1.50	21.54	<=33.01	Pass
16QAM	1855	1	0	22.63	-1.50	21.13	<=33.01	Pass
			13	22.59	-1.50	21.09	<=33.01	Pass
			25	22.62	-1.50	21.12	<=33.01	Pass
		25	0	22.60	-1.50	21.10	<=33.01	Pass
			13	22.93	-1.50	21.43	<=33.01	Pass
			25	22.91	-1.50	21.41	<=33.01	Pass
	1880	1	0	22.94	-1.50	21.44	<=33.01	Pass
			13	21.02	-1.50	19.52	<=33.01	Pass
			25	21.01	-1.50	19.51	<=33.01	Pass
		25	0	21.00	-1.50	19.50	<=33.01	Pass
			13	20.98	-1.50	19.48	<=33.01	Pass
			25	20.98	-1.50	19.48	<=33.01	Pass
	1905	1	0	20.98	-1.50	19.48	<=33.01	Pass
			13	22.72	-1.50	21.22	<=33.01	Pass
			25	22.65	-1.50	21.15	<=33.01	Pass
		25	0	22.66	-1.50	21.16	<=33.01	Pass
			13	21.00	-1.50	19.50	<=33.01	Pass
			25	20.98	-1.50	19.48	<=33.01	Pass
1905	1	0	20.99	-1.50	19.49	<=33.01	Pass	
		13	22.67	-1.50	21.17	<=33.01	Pass	
		25	22.59	-1.50	21.09	<=33.01	Pass	
	25	0	22.68	-1.50	21.18	<=33.01	Pass	
		13	21.19	-1.50	19.69	<=33.01	Pass	
		25	21.16	-1.50	19.66	<=33.01	Pass	
			25	21.18	-1.50	19.68	<=33.01	Pass



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64QAM	1855	50	0	21.11	-1.50	19.61	<=33.01	Pass	
			1	0	22.20	-1.50	20.70	<=33.01	Pass
				25	22.16	-1.50	20.66	<=33.01	Pass
		25	49	22.16	-1.50	20.66	<=33.01	Pass	
			0	0	21.02	-1.50	19.52	<=33.01	Pass
				13	20.99	-1.50	19.49	<=33.01	Pass
		50	25	20.97	-1.50	19.47	<=33.01	Pass	
			1	0	20.99	-1.50	19.49	<=33.01	Pass
				0	22.12	-1.50	20.62	<=33.01	Pass
	25	22.04		-1.50	20.54	<=33.01	Pass		
	1880	1	49	22.08	-1.50	20.58	<=33.01	Pass	
			25	0	21.06	-1.50	19.56	<=33.01	Pass
				13	21.05	-1.50	19.55	<=33.01	Pass
		25	25	21.04	-1.50	19.54	<=33.01	Pass	
			50	0	20.98	-1.50	19.48	<=33.01	Pass
				1	0	22.01	-1.50	20.51	<=33.01
		25			21.96	-1.50	20.46	<=33.01	Pass
		49	22.01		-1.50	20.51	<=33.01	Pass	
		1905	25	0	21.19	-1.50	19.69	<=33.01	Pass
	13			21.13	-1.50	19.63	<=33.01	Pass	
	25			21.13	-1.50	19.63	<=33.01	Pass	
	50		0	21.15	-1.50	19.65	<=33.01	Pass	



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## 1.5 B2\_15MHz\_EIRP

### 1.5.1 Test Result

Band: 2 / Bandwidth: 15MHz / NTN									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	1857.5	1	0	22.98	-1.50	21.48	<=33.01	Pass	
			38	22.95	-1.50	21.45	<=33.01	Pass	
			74	22.95	-1.50	21.45	<=33.01	Pass	
		36	0	22.47	-1.50	20.97	<=33.01	Pass	
			18	22.46	-1.50	20.96	<=33.01	Pass	
			39	22.46	-1.50	20.96	<=33.01	Pass	
		75	0	22.48	-1.50	20.98	<=33.01	Pass	
			1	0	23.04	-1.50	21.54	<=33.01	Pass
				38	23.01	-1.50	21.51	<=33.01	Pass
	74	22.97		-1.50	21.47	<=33.01	Pass		
	1880	36	0	22.49	-1.50	20.99	<=33.01	Pass	
			18	22.47	-1.50	20.97	<=33.01	Pass	
			39	22.47	-1.50	20.97	<=33.01	Pass	
		75	0	22.50	-1.50	21.00	<=33.01	Pass	
			1	0	23.03	-1.50	21.53	<=33.01	Pass
				38	23.09	-1.50	21.59	<=33.01	Pass
		74		23.10	-1.50	21.60	<=33.01	Pass	
		1902.5	36	0	22.59	-1.50	21.09	<=33.01	Pass
				18	22.58	-1.50	21.08	<=33.01	Pass
	39			22.56	-1.50	21.06	<=33.01	Pass	
	75		0	22.60	-1.50	21.10	<=33.01	Pass	
			1	0	22.93	-1.50	21.43	<=33.01	Pass
				38	22.96	-1.50	21.46	<=33.01	Pass
	74	23.01		-1.50	21.51	<=33.01	Pass		
16QAM	1857.5	36	0	21.00	-1.50	19.50	<=33.01	Pass	
			18	20.98	-1.50	19.48	<=33.01	Pass	
			39	20.99	-1.50	19.49	<=33.01	Pass	
		75	0	20.99	-1.50	19.49	<=33.01	Pass	
			1	0	22.70	-1.50	21.20	<=33.01	Pass
				38	22.67	-1.50	21.17	<=33.01	Pass
		74		22.66	-1.50	21.16	<=33.01	Pass	
		1880	36	0	21.01	-1.50	19.51	<=33.01	Pass
				18	20.98	-1.50	19.48	<=33.01	Pass
	39			20.99	-1.50	19.49	<=33.01	Pass	
	75		0	21.02	-1.50	19.52	<=33.01	Pass	
			1	0	22.92	-1.50	21.42	<=33.01	Pass
				38	22.95	-1.50	21.45	<=33.01	Pass
	74			22.96	-1.50	21.46	<=33.01	Pass	
	1902.5		36	0	21.08	-1.50	19.58	<=33.01	Pass
				18	21.08	-1.50	19.58	<=33.01	Pass
		39		21.08	-1.50	19.58	<=33.01	Pass	



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64QAM	1857.5	75	0	21.10	-1.50	19.60	<=33.01	Pass	
			1	0	22.21	-1.50	20.71	<=33.01	Pass
				38	22.18	-1.50	20.68	<=33.01	Pass
		36	74	22.18	-1.50	20.68	<=33.01	Pass	
			0	21.02	-1.50	19.52	<=33.01	Pass	
			18	20.99	-1.50	19.49	<=33.01	Pass	
		75	39	21.00	-1.50	19.50	<=33.01	Pass	
			0	21.01	-1.50	19.51	<=33.01	Pass	
			1	0	22.13	-1.50	20.63	<=33.01	Pass
	38	22.09		-1.50	20.59	<=33.01	Pass		
	74	22.06		-1.50	20.56	<=33.01	Pass		
	1880	36	0	21.02	-1.50	19.52	<=33.01	Pass	
			18	20.99	-1.50	19.49	<=33.01	Pass	
			39	20.99	-1.50	19.49	<=33.01	Pass	
	75	0	20.99	-1.50	19.49	<=33.01	Pass		
		1	0	22.36	-1.50	20.86	<=33.01	Pass	
			38	22.41	-1.50	20.91	<=33.01	Pass	
	74		22.41	-1.50	20.91	<=33.01	Pass		
	1902.5	36	0	21.05	-1.50	19.55	<=33.01	Pass	
			18	21.07	-1.50	19.57	<=33.01	Pass	
			39	21.05	-1.50	19.55	<=33.01	Pass	
	75	0	21.10	-1.50	19.60	<=33.01	Pass		



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## 1.6 B2\_20MHz\_EIRP

### 1.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	1860	1	0	22.99	-1.50	21.49	<=33.01	Pass		
			50	23.00	-1.50	21.50	<=33.01	Pass		
			99	23.01	-1.50	21.51	<=33.01	Pass		
		50	0	22.54	-1.50	21.04	<=33.01	Pass		
			25	22.51	-1.50	21.01	<=33.01	Pass		
			50	22.53	-1.50	21.03	<=33.01	Pass		
		100	0	22.53	-1.50	21.03	<=33.01	Pass		
		1880	1	0	23.08	-1.50	21.58	<=33.01	Pass	
				50	23.05	-1.50	21.55	<=33.01	Pass	
	99			23.05	-1.50	21.55	<=33.01	Pass		
	50		0	22.52	-1.50	21.02	<=33.01	Pass		
			25	22.53	-1.50	21.03	<=33.01	Pass		
			50	22.52	-1.50	21.02	<=33.01	Pass		
	100		0	22.50	-1.50	21.00	<=33.01	Pass		
	1900		1	0	23.03	-1.50	21.53	<=33.01	Pass	
				50	23.12	-1.50	21.62	<=33.01	Pass	
		99		23.05	-1.50	21.55	<=33.01	Pass		
		50	0	22.59	-1.50	21.09	<=33.01	Pass		
			25	22.63	-1.50	21.13	<=33.01	Pass		
			50	22.62	-1.50	21.12	<=33.01	Pass		
		100	0	22.58	-1.50	21.08	<=33.01	Pass		
		16QAM	1860	1	0	22.75	-1.50	21.25	<=33.01	Pass
					50	22.74	-1.50	21.24	<=33.01	Pass
	99				22.76	-1.50	21.26	<=33.01	Pass	
50	0			20.99	-1.50	19.49	<=33.01	Pass		
	25			20.98	-1.50	19.48	<=33.01	Pass		
	50			21.00	-1.50	19.50	<=33.01	Pass		
100	0			21.02	-1.50	19.52	<=33.01	Pass		
1880	1			0	22.81	-1.50	21.31	<=33.01	Pass	
				50	22.79	-1.50	21.29	<=33.01	Pass	
			99	22.78	-1.50	21.28	<=33.01	Pass		
	50		0	20.98	-1.50	19.48	<=33.01	Pass		
			25	21.01	-1.50	19.51	<=33.01	Pass		
			50	20.98	-1.50	19.48	<=33.01	Pass		
	100		0	20.97	-1.50	19.47	<=33.01	Pass		
	1900		1	0	23.11	-1.50	21.61	<=33.01	Pass	
				50	23.16	-1.50	21.66	<=33.01	Pass	
99				23.18	-1.50	21.68	<=33.01	Pass		
50			0	21.06	-1.50	19.56	<=33.01	Pass		
			25	21.10	-1.50	19.60	<=33.01	Pass		
			50	21.12	-1.50	19.62	<=33.01	Pass		



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64QAM	1860	100	0	21.07	-1.50	19.57	<=33.01	Pass	
			1	0	22.15	-1.50	20.65	<=33.01	Pass
				50	22.16	-1.50	20.66	<=33.01	Pass
		50	99	22.17	-1.50	20.67	<=33.01	Pass	
			0	21.06	-1.50	19.56	<=33.01	Pass	
				25	21.02	-1.50	19.52	<=33.01	Pass
		100	50	21.04	-1.50	19.54	<=33.01	Pass	
			0	21.01	-1.50	19.51	<=33.01	Pass	
			1	0	22.38	-1.50	20.88	<=33.01	Pass
	50	50		22.34	-1.50	20.84	<=33.01	Pass	
		99		22.33	-1.50	20.83	<=33.01	Pass	
	1880	50	0	21.00	-1.50	19.50	<=33.01	Pass	
			25	21.02	-1.50	19.52	<=33.01	Pass	
				50	21.02	-1.50	19.52	<=33.01	Pass
		100	0	20.96	-1.50	19.46	<=33.01	Pass	
			1	0	21.92	-1.50	20.42	<=33.01	Pass
				50	21.99	-1.50	20.49	<=33.01	Pass
		99		22.00	-1.50	20.50	<=33.01	Pass	
		1900	50	0	21.09	-1.50	19.59	<=33.01	Pass
				25	21.12	-1.50	19.62	<=33.01	Pass
	50				21.11	-1.50	19.61	<=33.01	Pass
	100		0	21.09	-1.50	19.59	<=33.01	Pass	



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## 2. Frequency Stability

### 2.1 B2\_1.4MHz

#### 2.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1850.7	6	0	20	3.91	3.727	0.0020	/	Pass	
					3.5	0.154	0.0001	/	Pass	
					4.5	-1.647	-0.0009	/	Pass	
				-30	3.91	-4.117	-0.0022	/	Pass	
					-20	3.91	0.266	0.0001	/	Pass
					-10	3.91	-3.880	-0.0021	/	Pass
				0	3.91	-0.926	-0.0005	/	Pass	
					10	3.91	-2.878	-0.0016	/	Pass
					30	3.91	-4.918	-0.0027	/	Pass
	1880	6	0	20	3.91	4.337	0.0023	/	Pass	
					3.5	2.015	0.0011	/	Pass	
					4.5	1.898	0.0010	/	Pass	
				-30	3.91	1.969	0.0010	/	Pass	
					-20	3.91	3.163	0.0017	/	Pass
					-10	3.91	-0.320	-0.0002	/	Pass
				0	3.91	0.906	0.0005	/	Pass	
					10	3.91	3.343	0.0018	/	Pass
					30	3.91	-1.583	-0.0008	/	Pass
	1909.3	6	0	20	3.91	0.981	0.0005	/	Pass	
					3.5	-2.025	-0.0011	/	Pass	
					4.5	-3.483	-0.0018	/	Pass	
				-30	3.91	-1.813	-0.0009	/	Pass	
					-20	3.91	-2.198	-0.0012	/	Pass
					-10	3.91	-4.577	-0.0024	/	Pass
				0	3.91	-1.147	-0.0006	/	Pass	
					10	3.91	-5.355	-0.0028	/	Pass
					30	3.91	-5.003	-0.0026	/	Pass
16QAM	1850.7	6	0	20	3.91	-1.215	-0.0007	/	Pass	
					3.5	-2.250	-0.0012	/	Pass	
					4.5	-0.460	-0.0002	/	Pass	
				-30	3.91	-0.961	-0.0005	/	Pass	
				-20	3.91	0.139	0.0001	/	Pass	
-10	3.91	0.634	0.0003	/	Pass					



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64QAM				0	3.91	5.456	0.0029	/	Pass		
				10	3.91	1.479	0.0008	/	Pass		
				30	3.91	-0.712	-0.0004	/	Pass		
				40	3.91	1.051	0.0006	/	Pass		
				50	3.91	-1.616	-0.0009	/	Pass		
	1880	6	0	20	3.91	-1.770	-0.0009	/	Pass		
					3.5	1.254	0.0007	/	Pass		
					4.5	-1.917	-0.0010	/	Pass		
				-30	3.91	-0.699	-0.0004	/	Pass		
				-20	3.91	-5.048	-0.0027	/	Pass		
				-10	3.91	-4.607	-0.0025	/	Pass		
				0	3.91	0.320	0.0002	/	Pass		
				10	3.91	-1.735	-0.0009	/	Pass		
				30	3.91	-3.913	-0.0021	/	Pass		
				40	3.91	-7.036	-0.0037	/	Pass		
	50	3.91	0.229	0.0001	/	Pass					
	1909.3	6	0	20	3.91	-7.648	-0.0040	/	Pass		
					3.5	-5.641	-0.0030	/	Pass		
					4.5	-5.289	-0.0028	/	Pass		
				-30	3.91	-7.850	-0.0041	/	Pass		
				-20	3.91	-3.289	-0.0017	/	Pass		
				-10	3.91	-7.291	-0.0038	/	Pass		
				0	3.91	-6.805	-0.0036	/	Pass		
				10	3.91	-2.960	-0.0016	/	Pass		
				30	3.91	-4.274	-0.0022	/	Pass		
				40	3.91	-0.230	-0.0001	/	Pass		
	50	3.91	-3.451	-0.0018	/	Pass					
	1850.7	6	0	20	3.91	-2.253	-0.0012	/	Pass		
					3.5	-3.285	-0.0018	/	Pass		
					4.5	-1.889	-0.0010	/	Pass		
-30				3.91	-1.883	-0.0010	/	Pass			
-20				3.91	0.655	0.0004	/	Pass			
-10				3.91	-2.134	-0.0012	/	Pass			
0				3.91	-5.315	-0.0029	/	Pass			
10				3.91	-0.097	-0.0001	/	Pass			
30				3.91	-3.194	-0.0017	/	Pass			
40				3.91	-2.284	-0.0012	/	Pass			
50				3.91	-4.153	-0.0022	/	Pass			
1880				6	0	20	3.91	-0.911	-0.0005	/	Pass
							3.5	-0.327	-0.0002	/	Pass
							4.5	-1.587	-0.0008	/	Pass
						-30	3.91	-1.310	-0.0007	/	Pass
	-20	3.91	-0.077			0.0000	/	Pass			
	-10	3.91	-3.687			-0.0020	/	Pass			
	0	3.91	-1.540			-0.0008	/	Pass			
	10	3.91	-1.753			-0.0009	/	Pass			
	30	3.91	-0.550			-0.0003	/	Pass			
	40	3.91	-4.752			-0.0025	/	Pass			
50	3.91	0.526	0.0003	/	Pass						



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1909.3	6	0	20	3.91	-4.716	-0.0025	/	Pass
				3.5	-7.308	-0.0038	/	Pass
				4.5	-1.677	-0.0009	/	Pass
			-30	3.91	-0.728	-0.0004	/	Pass
			-20	3.91	-2.526	-0.0013	/	Pass
			-10	3.91	-2.559	-0.0013	/	Pass
			0	3.91	-0.865	-0.0005	/	Pass
			10	3.91	-1.358	-0.0007	/	Pass
			30	3.91	-4.627	-0.0024	/	Pass
			40	3.91	-6.724	-0.0035	/	Pass
50	3.91	-7.728	-0.0040	/	Pass			



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## 2.2 B2\_3MHz

### 2.2.1 Test Result

Band: 2 / Bandwidth: 3MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1851.5	15	0	20	3.91	1.659	0.0009	/	Pass	
					3.5	-6.169	-0.0033	/	Pass	
					4.5	-3.925	-0.0021	/	Pass	
				-30	3.91	-4.642	-0.0025	/	Pass	
					-20	3.91	-4.502	-0.0024	/	Pass
					-10	3.91	-4.466	-0.0024	/	Pass
				0	3.91	-3.646	-0.0020	/	Pass	
					10	3.91	-9.299	-0.0050	/	Pass
					30	3.91	-3.349	-0.0018	/	Pass
				50	3.91	4.509	0.0024	/	Pass	
	3.91	-1.030	-0.0006		/	Pass				
	20	3.91	-1.862		-0.0010	/	Pass			
		3.5	-2.370	-0.0013	/	Pass				
		4.5	-3.393	-0.0018	/	Pass				
	1880	15	0	-30	3.91	-3.431	-0.0018	/	Pass	
					-20	3.91	-1.493	-0.0008	/	Pass
					-10	3.91	1.322	0.0007	/	Pass
				0	3.91	-0.710	-0.0004	/	Pass	
					10	3.91	-1.114	-0.0006	/	Pass
					30	3.91	-0.954	-0.0005	/	Pass
				40	3.91	-1.788	-0.0010	/	Pass	
					3.91	-2.001	-0.0011	/	Pass	
					20	3.91	-5.288	-0.0028	/	Pass
				3.5		-4.635	-0.0024	/	Pass	
	4.5	-8.653	-0.0045	/		Pass				
	1908.5	15	0	-30	3.91	-7.748	-0.0041	/	Pass	
					-20	3.91	-4.389	-0.0023	/	Pass
					-10	3.91	-3.420	-0.0018	/	Pass
				0	3.91	0.765	0.0004	/	Pass	
					10	3.91	-10.697	-0.0056	/	Pass
30					3.91	-8.123	-0.0043	/	Pass	
40				3.91	-2.763	-0.0014	/	Pass		
				3.91	-4.901	-0.0026	/	Pass		
				20	3.91	-3.015	-0.0016	/	Pass	
3.5					0.162	0.0001	/	Pass		
4.5	-0.318	-0.0002	/		Pass					
16QAM	1851.5	15	0	-30	3.91	-1.885	-0.0010	/	Pass	
					-20	3.91	-1.482	-0.0008	/	Pass
					-10	3.91	-0.080	0.0000	/	Pass
				0	3.91	-1.070	-0.0006	/	Pass	
					10	3.91	-1.262	-0.0007	/	Pass



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64QAM	1880	15	0	30	3.91	-0.287	-0.0002	/	Pass
				40	3.91	2.707	0.0015	/	Pass
				50	3.91	1.350	0.0007	/	Pass
				20	3.91	-3.391	-0.0018	/	Pass
					3.5	1.888	0.0010	/	Pass
					4.5	-1.820	-0.0010	/	Pass
				-30	3.91	-0.279	-0.0001	/	Pass
				-20	3.91	0.795	0.0004	/	Pass
				-10	3.91	-0.559	-0.0003	/	Pass
				0	3.91	-2.615	-0.0014	/	Pass
	10	3.91	-1.048	-0.0006	/	Pass			
	30	3.91	0.618	0.0003	/	Pass			
	40	3.91	1.617	0.0009	/	Pass			
	50	3.91	-3.535	-0.0019	/	Pass			
	1908.5	15	0	20	3.91	-1.685	-0.0009	/	Pass
					3.5	-0.543	-0.0003	/	Pass
					4.5	0.860	0.0005	/	Pass
				-30	3.91	0.187	0.0001	/	Pass
				-20	3.91	-0.387	-0.0002	/	Pass
				-10	3.91	-0.443	-0.0002	/	Pass
0				3.91	-1.212	-0.0006	/	Pass	
10				3.91	0.395	0.0002	/	Pass	
30				3.91	-0.152	-0.0001	/	Pass	
40				3.91	-4.758	-0.0025	/	Pass	
50	3.91	-6.079	-0.0032	/	Pass				
1851.5	15	0	20	3.91	-1.281	-0.0007	/	Pass	
				3.5	-3.552	-0.0019	/	Pass	
				4.5	-0.205	-0.0001	/	Pass	
			-30	3.91	0.120	0.0001	/	Pass	
			-20	3.91	-3.968	-0.0021	/	Pass	
			-10	3.91	1.890	0.0010	/	Pass	
			0	3.91	1.457	0.0008	/	Pass	
			10	3.91	2.484	0.0013	/	Pass	
			30	3.91	-2.281	-0.0012	/	Pass	
			40	3.91	-3.713	-0.0020	/	Pass	
	50	3.91	-0.426	-0.0002	/	Pass			
	1880	15	0	20	3.91	-4.230	-0.0023	/	Pass
					3.5	-0.290	-0.0002	/	Pass
					4.5	-0.480	-0.0003	/	Pass
				-30	3.91	-1.510	-0.0008	/	Pass
				-20	3.91	-5.234	-0.0028	/	Pass
				-10	3.91	-0.109	-0.0001	/	Pass
				0	3.91	0.914	0.0005	/	Pass
10				3.91	0.548	0.0003	/	Pass	
30	3.91	-3.215	-0.0017	/	Pass				
40	3.91	-3.666	-0.0020	/	Pass				
50	3.91	-4.039	-0.0021	/	Pass				
1908.5	15	0	20	3.91	-9.786	-0.0051	/	Pass	
				3.5	-4.953	-0.0026	/	Pass	



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				4.5	-6.854	-0.0036	/	Pass
				-30	3.91	-8.712	-0.0046	Pass
				-20	3.91	-8.251	-0.0043	Pass
				-10	3.91	-7.971	-0.0042	Pass
				0	3.91	-8.329	-0.0044	Pass
				10	3.91	-4.927	-0.0026	Pass
				30	3.91	-4.566	-0.0024	Pass
				40	3.91	-6.331	-0.0033	Pass
				50	3.91	-9.461	-0.0050	Pass



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## 2.3 B2\_5MHz

### 2.3.1 Test Result

Band: 2 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	1852.5	25	0	20	3.91	1.715	0.0009	/	Pass
					3.5	-0.376	-0.0002	/	Pass
					4.5	2.656	0.0014	/	Pass
				-30	3.91	-0.994	-0.0005	/	Pass
				-20	3.91	3.410	0.0018	/	Pass
				-10	3.91	1.318	0.0007	/	Pass
				0	3.91	1.029	0.0006	/	Pass
				10	3.91	-1.297	-0.0007	/	Pass
				30	3.91	0.679	0.0004	/	Pass
				40	3.91	2.201	0.0012	/	Pass
	50	3.91	1.358	0.0007	/	Pass			
	1880	25	0	20	3.91	-0.665	-0.0004	/	Pass
					3.5	-2.914	-0.0016	/	Pass
					4.5	-1.849	-0.0010	/	Pass
				-30	3.91	-4.621	-0.0025	/	Pass
				-20	3.91	-1.119	-0.0006	/	Pass
				-10	3.91	-4.690	-0.0025	/	Pass
				0	3.91	-0.595	-0.0003	/	Pass
				10	3.91	-3.495	-0.0019	/	Pass
				30	3.91	-8.716	-0.0046	/	Pass
				40	3.91	-3.615	-0.0019	/	Pass
	50	3.91	-3.766	-0.0020	/	Pass			
	1907.5	25	0	20	3.91	0.522	0.0003	/	Pass
					3.5	-2.419	-0.0013	/	Pass
					4.5	-2.090	-0.0011	/	Pass
				-30	3.91	-2.100	-0.0011	/	Pass
				-20	3.91	-6.997	-0.0037	/	Pass
				-10	3.91	-3.530	-0.0019	/	Pass
				0	3.91	-4.085	-0.0021	/	Pass
				10	3.91	1.244	0.0007	/	Pass
30				3.91	-5.962	-0.0031	/	Pass	
40				3.91	-1.927	-0.0010	/	Pass	
50	3.91	-5.401	-0.0028	/	Pass				
16QAM	1852.5	25	0	20	3.91	-1.444	-0.0008	/	Pass
					3.5	-1.536	-0.0008	/	Pass
					4.5	-6.700	-0.0036	/	Pass
				-30	3.91	-2.468	-0.0013	/	Pass
				-20	3.91	-5.286	-0.0029	/	Pass
				-10	3.91	-4.175	-0.0023	/	Pass
				0	3.91	-4.306	-0.0023	/	Pass
10	3.91	-5.688	-0.0031	/	Pass				



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64QAM	1880	25	0	30	3.91	-4.352	-0.0023	/	Pass
				40	3.91	-5.434	-0.0029	/	Pass
				50	3.91	-4.781	-0.0026	/	Pass
				20	3.91	-3.992	-0.0021	/	Pass
					3.5	-5.968	-0.0032	/	Pass
					4.5	-2.695	-0.0014	/	Pass
				-30	3.91	-4.141	-0.0022	/	Pass
				-20	3.91	-1.912	-0.0010	/	Pass
				-10	3.91	-4.212	-0.0022	/	Pass
				0	3.91	-3.115	-0.0017	/	Pass
	10	3.91	-3.135	-0.0017	/	Pass			
	30	3.91	-4.212	-0.0022	/	Pass			
	40	3.91	-3.195	-0.0017	/	Pass			
	50	3.91	-0.293	-0.0002	/	Pass			
	1907.5	25	0	20	3.91	2.668	0.0014	/	Pass
					3.5	2.182	0.0011	/	Pass
					4.5	0.321	0.0002	/	Pass
				-30	3.91	1.750	0.0009	/	Pass
				-20	3.91	0.704	0.0004	/	Pass
				-10	3.91	-1.226	-0.0006	/	Pass
0				3.91	1.242	0.0007	/	Pass	
10				3.91	4.096	0.0021	/	Pass	
30				3.91	1.977	0.0010	/	Pass	
40				3.91	2.484	0.0013	/	Pass	
50	3.91	1.095	0.0006	/	Pass				
1852.5	25	0	20	3.91	-4.356	-0.0024	/	Pass	
				3.5	-7.815	-0.0042	/	Pass	
				4.5	-3.513	-0.0019	/	Pass	
			-30	3.91	-6.365	-0.0034	/	Pass	
			-20	3.91	-5.038	-0.0027	/	Pass	
			-10	3.91	-4.612	-0.0025	/	Pass	
			0	3.91	-4.717	-0.0025	/	Pass	
			10	3.91	-6.110	-0.0033	/	Pass	
			30	3.91	-7.435	-0.0040	/	Pass	
			40	3.91	-4.188	-0.0023	/	Pass	
	50	3.91	-5.493	-0.0030	/	Pass			
	1880	25	0	20	3.91	-4.230	-0.0023	/	Pass
					3.5	0.067	0.0000	/	Pass
					4.5	-1.577	-0.0008	/	Pass
				-30	3.91	-2.317	-0.0012	/	Pass
				-20	3.91	0.058	0.0000	/	Pass
				-10	3.91	-0.417	-0.0002	/	Pass
				0	3.91	-2.395	-0.0013	/	Pass
10				3.91	-2.672	-0.0014	/	Pass	
30	3.91	-2.798	-0.0015	/	Pass				
40	3.91	-4.624	-0.0025	/	Pass				
50	3.91	-4.921	-0.0026	/	Pass				
1907.5	25	0	20	3.91	2.098	0.0011	/	Pass	
				3.5	-0.208	-0.0001	/	Pass	



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				4.5	0.881	0.0005	/	Pass
				-30	3.91	1.138	0.0006	Pass
				-20	3.91	-0.181	-0.0001	Pass
				-10	3.91	0.674	0.0004	Pass
				0	3.91	-1.625	-0.0009	Pass
				10	3.91	-2.760	-0.0014	Pass
				30	3.91	-1.988	-0.0010	Pass
				40	3.91	-1.602	-0.0008	Pass
				50	3.91	-5.155	-0.0027	Pass



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## 2.4 B2\_10MHz

## 2.4.1 Test Result

Band: 2 / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1855	50	0	20	3.91	-0.128	-0.0001	/	Pass	
					3.5	-3.968	-0.0021	/	Pass	
					4.5	-3.872	-0.0021	/	Pass	
				-30	3.91	-5.778	-0.0031	/	Pass	
					-20	3.91	-6.518	-0.0035	/	Pass
					-10	3.91	-7.732	-0.0042	/	Pass
				0	3.91	-3.276	-0.0018	/	Pass	
					10	3.91	-5.917	-0.0032	/	Pass
					30	3.91	-5.930	-0.0032	/	Pass
				40	3.91	-3.302	-0.0018	/	Pass	
					50	3.91	-5.428	-0.0029	/	Pass
					1880	50	0	20	3.91	-2.451
	3.5	0.557	0.0003	/					Pass	
	4.5	-1.266	-0.0007	/					Pass	
	-30	3.91	-4.169	-0.0022				/	Pass	
		-20	3.91	-2.169				-0.0012	/	Pass
		-10	3.91	-0.533				-0.0003	/	Pass
	0	3.91	-2.257	-0.0012				/	Pass	
		10	3.91	-2.393				-0.0013	/	Pass
		30	3.91	-4.956				-0.0026	/	Pass
	40	3.91	1.698	0.0009				/	Pass	
		50	3.91	-2.878				-0.0015	/	Pass
		1905	50	0				20	3.91	-2.366
	3.5				-0.979	-0.0005	/		Pass	
	4.5				-3.064	-0.0016	/		Pass	
	-30				3.91	-2.947	-0.0015	/	Pass	
					-20	3.91	0.734	0.0004	/	Pass
					-10	3.91	-7.054	-0.0037	/	Pass
	0				3.91	-3.481	-0.0018	/	Pass	
					10	3.91	-2.793	-0.0015	/	Pass
30					3.91	-3.500	-0.0018	/	Pass	
40	3.91				-2.303	-0.0012	/	Pass		
	50				3.91	-0.972	-0.0005	/	Pass	
	1855				50	0	20	3.91	-3.852	-0.0021
3.5		0.301	0.0002	/				Pass		
4.5		-0.890	-0.0005	/				Pass		
-30		3.91	-1.365	-0.0007			/	Pass		
		-20	3.91	-0.537			-0.0003	/	Pass	
		-10	3.91	-1.651			-0.0009	/	Pass	
0	3.91	1.481	0.0008	/	Pass					
	10	3.91	0.397	0.0002	/	Pass				



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64QAM	1880	50	0	30	3.91	0.316	0.0002	/	Pass
				40	3.91	1.519	0.0008	/	Pass
				50	3.91	-2.544	-0.0014	/	Pass
				20	3.91	-2.551	-0.0014	/	Pass
					3.5	1.574	0.0008	/	Pass
					4.5	-3.873	-0.0021	/	Pass
				-30	3.91	-3.638	-0.0019	/	Pass
				-20	3.91	-0.176	-0.0001	/	Pass
				-10	3.91	-0.331	-0.0002	/	Pass
				0	3.91	-1.193	-0.0006	/	Pass
	10	3.91	-1.986	-0.0011	/	Pass			
	30	3.91	-1.571	-0.0008	/	Pass			
	40	3.91	-0.120	-0.0001	/	Pass			
	50	3.91	-0.549	-0.0003	/	Pass			
	1905	50	0	20	3.91	-0.768	-0.0004	/	Pass
					3.5	-3.920	-0.0021	/	Pass
					4.5	0.119	0.0001	/	Pass
				-30	3.91	-3.840	-0.0020	/	Pass
				-20	3.91	-1.018	-0.0005	/	Pass
				-10	3.91	-0.214	-0.0001	/	Pass
0				3.91	-3.182	-0.0017	/	Pass	
10				3.91	-0.194	-0.0001	/	Pass	
30				3.91	-1.877	-0.0010	/	Pass	
40				3.91	1.164	0.0006	/	Pass	
50	3.91	0.366	0.0002	/	Pass				
1855	50	0	20	3.91	-0.039	0.0000	/	Pass	
				3.5	-2.849	-0.0015	/	Pass	
				4.5	-4.092	-0.0022	/	Pass	
			-30	3.91	2.125	0.0011	/	Pass	
			-20	3.91	-1.909	-0.0010	/	Pass	
			-10	3.91	-0.245	-0.0001	/	Pass	
			0	3.91	-2.702	-0.0015	/	Pass	
			10	3.91	0.323	0.0002	/	Pass	
			30	3.91	0.806	0.0004	/	Pass	
			40	3.91	-2.483	-0.0013	/	Pass	
	50	3.91	-3.571	-0.0019	/	Pass			
	1880	50	0	20	3.91	-1.174	-0.0006	/	Pass
					3.5	-0.369	-0.0002	/	Pass
					4.5	-1.823	-0.0010	/	Pass
				-30	3.91	-2.405	-0.0013	/	Pass
				-20	3.91	-3.876	-0.0021	/	Pass
				-10	3.91	-4.855	-0.0026	/	Pass
				0	3.91	-3.404	-0.0018	/	Pass
10				3.91	-3.532	-0.0019	/	Pass	
30	3.91	-4.485	-0.0024	/	Pass				
40	3.91	-1.374	-0.0007	/	Pass				
50	3.91	1.130	0.0006	/	Pass				
1905	50	0	20	3.91	-3.242	-0.0017	/	Pass	
				3.5	-0.440	-0.0002	/	Pass	



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				4.5	-2.466	-0.0013	/	Pass
				-30	3.91	-0.725	-0.0004	Pass
				-20	3.91	-1.407	-0.0007	Pass
				-10	3.91	-2.948	-0.0015	Pass
				0	3.91	1.181	0.0006	Pass
				10	3.91	2.584	0.0014	Pass
				30	3.91	0.892	0.0005	Pass
				40	3.91	-1.810	-0.0010	Pass
				50	3.91	-3.039	-0.0016	Pass



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## 2.5 B2\_15MHz

### 2.5.1 Test Result

Band: 2 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	1857.5	75	0	20	3.91	0.903	0.0005	/	Pass	
					3.5	-0.898	-0.0005	/	Pass	
					4.5	-2.172	-0.0012	/	Pass	
				-30	3.91	-1.832	-0.0010	/	Pass	
					-20	3.91	-1.324	-0.0007	/	Pass
					-10	3.91	-2.862	-0.0015	/	Pass
				0	3.91	-2.415	-0.0013	/	Pass	
					10	3.91	-2.020	-0.0011	/	Pass
					30	3.91	0.238	0.0001	/	Pass
				40	3.91	-1.889	-0.0010	/	Pass	
	50	3.91	-1.368		-0.0007	/	Pass			
	1880	75	0	20	3.91	-2.390	-0.0013	/	Pass	
					3.5	-2.618	-0.0014	/	Pass	
					4.5	-4.235	-0.0023	/	Pass	
				-30	3.91	-7.882	-0.0042	/	Pass	
					-20	3.91	-3.063	-0.0016	/	Pass
					-10	3.91	-4.096	-0.0022	/	Pass
				0	3.91	-3.043	-0.0016	/	Pass	
					10	3.91	-4.757	-0.0025	/	Pass
					30	3.91	-4.477	-0.0024	/	Pass
				40	3.91	-1.774	-0.0009	/	Pass	
	50	3.91	-4.548		-0.0024	/	Pass			
	1902.5	75	0	20	3.91	1.209	0.0006	/	Pass	
					3.5	-1.387	-0.0007	/	Pass	
					4.5	-5.529	-0.0029	/	Pass	
				-30	3.91	-3.235	-0.0017	/	Pass	
					-20	3.91	-2.499	-0.0013	/	Pass
					-10	3.91	-3.637	-0.0019	/	Pass
				0	3.91	-3.216	-0.0017	/	Pass	
					10	3.91	-0.887	-0.0005	/	Pass
30					3.91	-2.923	-0.0015	/	Pass	
40				3.91	1.610	0.0008	/	Pass		
	50	3.91	2.347	0.0012	/	Pass				
16QAM	1857.5	75	0	20	3.91	-2.064	-0.0011	/	Pass	
					3.5	2.629	0.0014	/	Pass	
					4.5	-3.386	-0.0018	/	Pass	
				-30	3.91	2.388	0.0013	/	Pass	
					-20	3.91	1.328	0.0007	/	Pass
					-10	3.91	1.119	0.0006	/	Pass
				0	3.91	-0.127	-0.0001	/	Pass	
10	3.91	0.103	0.0001	/	Pass					



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64QAM	1880	75	0	30	3.91	-5.194	-0.0028	/	Pass		
				40	3.91	1.237	0.0007	/	Pass		
				50	3.91	0.892	0.0005	/	Pass		
				20	3.91	-3.113	-0.0017	/	Pass		
					3.5	0.877	0.0005	/	Pass		
					4.5	-3.378	-0.0018	/	Pass		
				-30	3.91	-4.612	-0.0025	/	Pass		
				-20	3.91	0.019	0.0000	/	Pass		
				-10	3.91	-6.431	-0.0034	/	Pass		
				0	3.91	-4.040	-0.0021	/	Pass		
	10	3.91	-2.306	-0.0012	/	Pass					
	30	3.91	-3.912	-0.0021	/	Pass					
	40	3.91	-5.355	-0.0028	/	Pass					
	50	3.91	-3.733	-0.0020	/	Pass					
	1902.5	75	0	20	3.91	-1.443	-0.0008	/	Pass		
					3.5	1.800	0.0009	/	Pass		
					4.5	4.490	0.0024	/	Pass		
				-30	3.91	1.683	0.0009	/	Pass		
				-20	3.91	3.101	0.0016	/	Pass		
				-10	3.91	1.355	0.0007	/	Pass		
0				3.91	1.328	0.0007	/	Pass			
10				3.91	1.443	0.0008	/	Pass			
30				3.91	4.034	0.0021	/	Pass			
40				3.91	4.957	0.0026	/	Pass			
50	3.91	2.253	0.0012	/	Pass						
1857.5	75	0	20	3.91	2.732	0.0015	/	Pass			
				3.5	-1.694	-0.0009	/	Pass			
				4.5	2.821	0.0015	/	Pass			
			-30	3.91	-0.621	-0.0003	/	Pass			
			-20	3.91	-1.039	-0.0006	/	Pass			
			-10	3.91	-0.163	-0.0001	/	Pass			
			0	3.91	0.466	0.0003	/	Pass			
			10	3.91	-1.995	-0.0011	/	Pass			
			30	3.91	0.006	0.0000	/	Pass			
			40	3.91	-0.660	-0.0004	/	Pass			
			50	3.91	-1.933	-0.0010	/	Pass			
			1880	75	0	20	3.91	-1.891	-0.0010	/	Pass
							3.5	-4.349	-0.0023	/	Pass
							4.5	-3.246	-0.0017	/	Pass
						-30	3.91	-3.470	-0.0018	/	Pass
						-20	3.91	-1.333	-0.0007	/	Pass
						-10	3.91	-3.835	-0.0020	/	Pass
						0	3.91	0.634	0.0003	/	Pass
10	3.91	-0.475				-0.0003	/	Pass			
30	3.91	3.435				0.0018	/	Pass			
40	3.91	1.209	0.0006	/	Pass						
50	3.91	0.561	0.0003	/	Pass						
1902.5	75	0	20	3.91	0.680	0.0004	/	Pass			
				3.5	-0.207	-0.0001	/	Pass			



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				4.5	4.052	0.0021	/	Pass
				-30	3.91	1.265	0.0007	Pass
				-20	3.91	1.303	0.0007	Pass
				-10	3.91	1.639	0.0009	Pass
				0	3.91	1.118	0.0006	Pass
				10	3.91	3.352	0.0018	Pass
				30	3.91	2.701	0.0014	Pass
				40	3.91	2.139	0.0011	Pass
				50	3.91	4.343	0.0023	Pass



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## 2.6 B2\_20MHz

### 2.6.1 Test Result

Band: 2 / Bandwidth: 20MHz												
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict			
		Size	Offset				Result	Limit				
QPSK	1860	100	0	20	3.91	0.487	0.0003	/	Pass			
					3.5	-2.787	-0.0015	/	Pass			
					4.5	-2.847	-0.0015	/	Pass			
				-30	3.91	-2.305	-0.0012	/	Pass			
					-20	3.91	0.747	0.0004	/	Pass		
					-10	3.91	-1.259	-0.0007	/	Pass		
				0	3.91	-3.999	-0.0022	/	Pass			
					10	3.91	-7.352	-0.0040	/	Pass		
					30	3.91	0.468	0.0003	/	Pass		
				40	3.91	-0.158	-0.0001	/	Pass			
					50	3.91	-0.178	-0.0001	/	Pass		
						3.91	-2.351	-0.0013	/	Pass		
	20	3.5	0.338	0.0002		/	Pass					
		4.5	-3.210	-0.0017	/	Pass						
		-30	3.91	-1.010	-0.0005	/	Pass					
	1880	100	0	-20	3.91	-2.525	-0.0013	/	Pass			
					-10	3.91	-3.833	-0.0020	/	Pass		
					0	3.91	-1.642	-0.0009	/	Pass		
				10	3.91	-1.762	-0.0009	/	Pass			
					30	3.91	-1.612	-0.0009	/	Pass		
					40	3.91	4.052	0.0022	/	Pass		
				40	3.91	-1.910	-0.0010	/	Pass			
					20	3.91	2.619	0.0014	/	Pass		
						3.5	-6.451	-0.0034	/	Pass		
				4.5		-1.604	-0.0008	/	Pass			
				1900	100	0	-30	3.91	0.750	0.0004	/	Pass
								-20	3.91	-3.068	-0.0016	/
	-10	3.91	-0.599					-0.0003	/	Pass		
	0	3.91	-4.156				-0.0022	/	Pass			
		10	3.91				0.362	0.0002	/	Pass		
30		3.91	-2.651				-0.0014	/	Pass			
30	3.91	-0.330	-0.0002				/	Pass				
	40	3.91	1.277				0.0007	/	Pass			
		20	3.91				1.202	0.0006	/	Pass		
3.5			-1.166				-0.0006	/	Pass			
4.5	-3.817		-0.0021				/	Pass				
16QAM	1860	100	0				-30	3.91	3.288	0.0018	/	Pass
				-20	3.91	-1.492		-0.0008	/	Pass		
				-10	3.91	-0.564		-0.0003	/	Pass		
				0	3.91	-2.585	-0.0014	/	Pass			
					10	3.91	0.843	0.0005	/	Pass		



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64QAM	1880	100	0	30	3.91	2.706	0.0015	/	Pass
				40	3.91	-0.267	-0.0001	/	Pass
				50	3.91	0.603	0.0003	/	Pass
				20	3.91	-3.550	-0.0019	/	Pass
					3.5	-0.569	-0.0003	/	Pass
					4.5	-0.035	0.0000	/	Pass
				-30	3.91	-0.356	-0.0002	/	Pass
				-20	3.91	0.015	0.0000	/	Pass
				-10	3.91	-4.801	-0.0026	/	Pass
				0	3.91	-1.098	-0.0006	/	Pass
	10	3.91	-2.052	-0.0011	/	Pass			
	30	3.91	-1.146	-0.0006	/	Pass			
	40	3.91	-0.885	-0.0005	/	Pass			
	50	3.91	0.778	0.0004	/	Pass			
	1900	100	0	20	3.91	0.693	0.0004	/	Pass
					3.5	-1.035	-0.0005	/	Pass
					4.5	-0.794	-0.0004	/	Pass
				-30	3.91	2.686	0.0014	/	Pass
				-20	3.91	-0.518	-0.0003	/	Pass
				-10	3.91	3.259	0.0017	/	Pass
0				3.91	-0.445	-0.0002	/	Pass	
10				3.91	-0.841	-0.0004	/	Pass	
30				3.91	-0.462	-0.0002	/	Pass	
40				3.91	-0.342	-0.0002	/	Pass	
50	3.91	-0.717	-0.0004	/	Pass				
1860	100	0	20	3.91	2.283	0.0012	/	Pass	
				3.5	3.141	0.0017	/	Pass	
				4.5	2.636	0.0014	/	Pass	
			-30	3.91	-1.456	-0.0008	/	Pass	
			-20	3.91	0.624	0.0003	/	Pass	
			-10	3.91	-1.496	-0.0008	/	Pass	
			0	3.91	-4.028	-0.0022	/	Pass	
			10	3.91	-1.346	-0.0007	/	Pass	
			30	3.91	0.384	0.0002	/	Pass	
			40	3.91	0.097	0.0001	/	Pass	
	50	3.91	-1.427	-0.0008	/	Pass			
	1880	100	0	20	3.91	-1.750	-0.0009	/	Pass
					3.5	0.996	0.0005	/	Pass
					4.5	4.079	0.0022	/	Pass
				-30	3.91	-2.480	-0.0013	/	Pass
				-20	3.91	-3.758	-0.0020	/	Pass
				-10	3.91	-0.112	-0.0001	/	Pass
				0	3.91	-2.685	-0.0014	/	Pass
10				3.91	-0.904	-0.0005	/	Pass	
30	3.91	-3.898	-0.0021	/	Pass				
40	3.91	-2.487	-0.0013	/	Pass				
50	3.91	-5.417	-0.0029	/	Pass				
1900	100	0	20	3.91	2.676	0.0014	/	Pass	
				3.5	-2.842	-0.0015	/	Pass	



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				4.5	-5.951	-0.0031	/	Pass
				-30	3.91	2.206	0.0012	Pass
				-20	3.91	0.188	0.0001	Pass
				-10	3.91	-0.459	-0.0002	Pass
				0	3.91	-0.498	-0.0003	Pass
				10	3.91	1.086	0.0006	Pass
				30	3.91	-0.136	-0.0001	Pass
				40	3.91	-0.123	-0.0001	Pass
				50	3.91	1.261	0.0007	Pass



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## 3. 99% & 26dB Bandwidth

### 3.1 Band2\_OBW

#### 3.1.1 Test Result

Band: 2 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.111	/	Pass
		1880	6	0	1.115	/	Pass
		1909.3	6	0	1.122	/	Pass
	16QAM	1850.7	6	0	1.118	/	Pass
		1880	6	0	1.108	/	Pass
		1909.3	6	0	1.113	/	Pass
	64QAM	1850.7	6	0	1.113	/	Pass
		1880	6	0	1.114	/	Pass
		1909.3	6	0	1.111	/	Pass
3	QPSK	1851.5	15	0	2.738	/	Pass
		1880	15	0	2.742	/	Pass
		1908.5	15	0	2.736	/	Pass
	16QAM	1851.5	15	0	2.744	/	Pass
		1880	15	0	2.724	/	Pass
		1908.5	15	0	2.731	/	Pass
	64QAM	1851.5	15	0	2.738	/	Pass
		1880	15	0	2.730	/	Pass
		1908.5	15	0	2.738	/	Pass
5	QPSK	1852.5	25	0	4.559	/	Pass
		1880	25	0	4.546	/	Pass
		1907.5	25	0	4.551	/	Pass
	16QAM	1852.5	25	0	4.535	/	Pass
		1880	25	0	4.543	/	Pass
		1907.5	25	0	4.542	/	Pass
	64QAM	1852.5	25	0	4.551	/	Pass
		1880	25	0	4.553	/	Pass
		1907.5	25	0	4.552	/	Pass
10	QPSK	1855	50	0	9.060	/	Pass
		1880	50	0	9.038	/	Pass
		1905	50	0	9.050	/	Pass
	16QAM	1855	50	0	9.036	/	Pass
		1880	50	0	9.038	/	Pass
		1905	50	0	9.051	/	Pass
	64QAM	1855	50	0	9.081	/	Pass
		1880	50	0	9.027	/	Pass
		1905	50	0	9.063	/	Pass
15	QPSK	1857.5	75	0	13.605	/	Pass
		1880	75	0	13.530	/	Pass
		1902.5	75	0	13.579	/	Pass



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	16QAM	1857.5	75	0	13.583	/	Pass
		1880	75	0	13.577	/	Pass
		1902.5	75	0	13.595	/	Pass
	64QAM	1857.5	75	0	13.615	/	Pass
		1880	75	0	13.564	/	Pass
		1902.5	75	0	13.565	/	Pass
20	QPSK	1860	100	0	18.108	/	Pass
		1880	100	0	18.045	/	Pass
		1900	100	0	18.081	/	Pass
	16QAM	1860	100	0	18.158	/	Pass
		1880	100	0	18.026	/	Pass
		1900	100	0	18.064	/	Pass
	64QAM	1860	100	0	18.130	/	Pass
		1880	100	0	18.073	/	Pass
		1900	100	0	18.093	/	Pass



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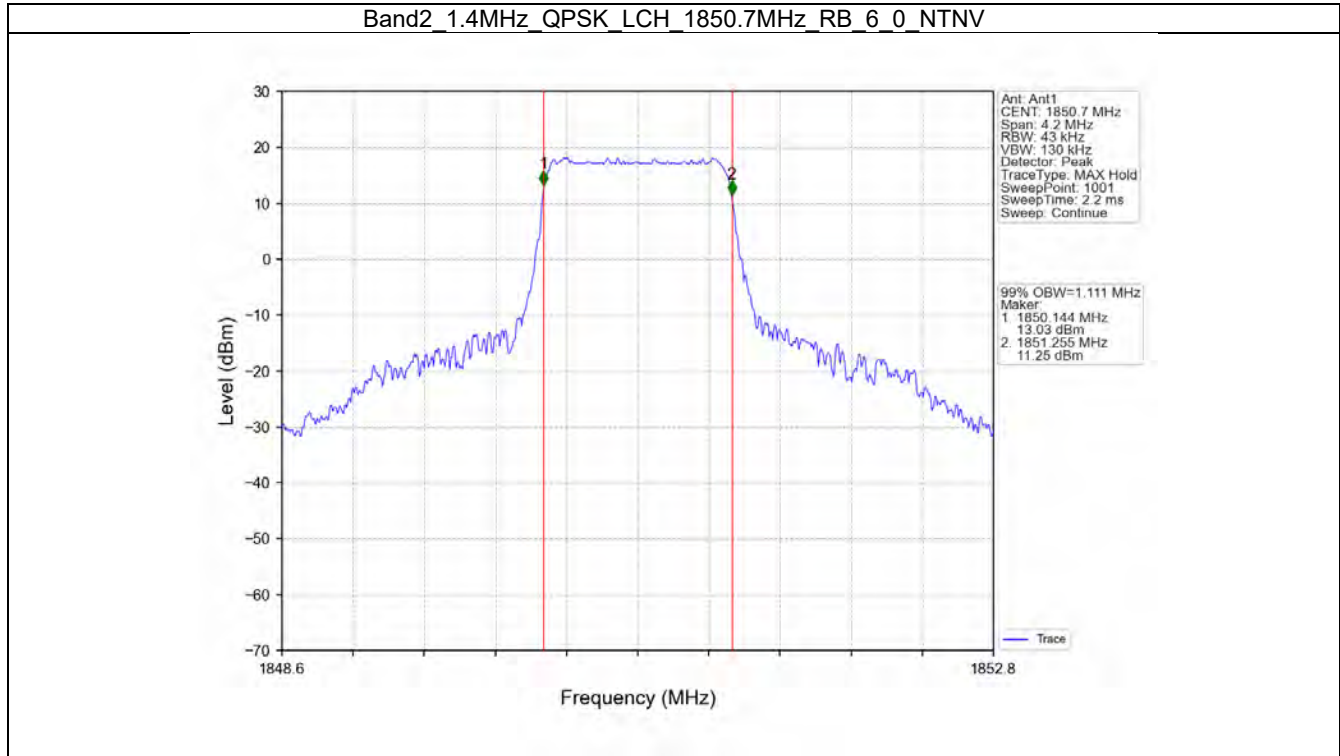
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3.1.2 Test Graph



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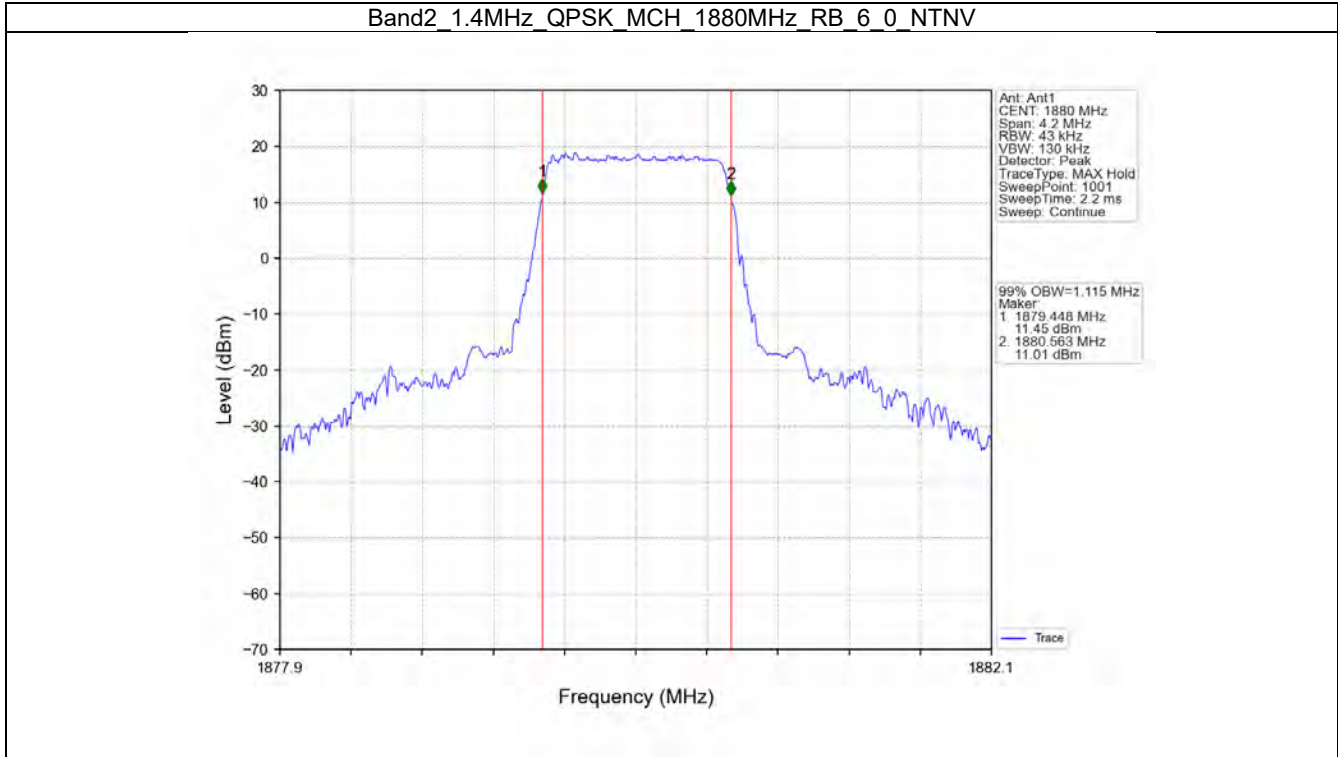
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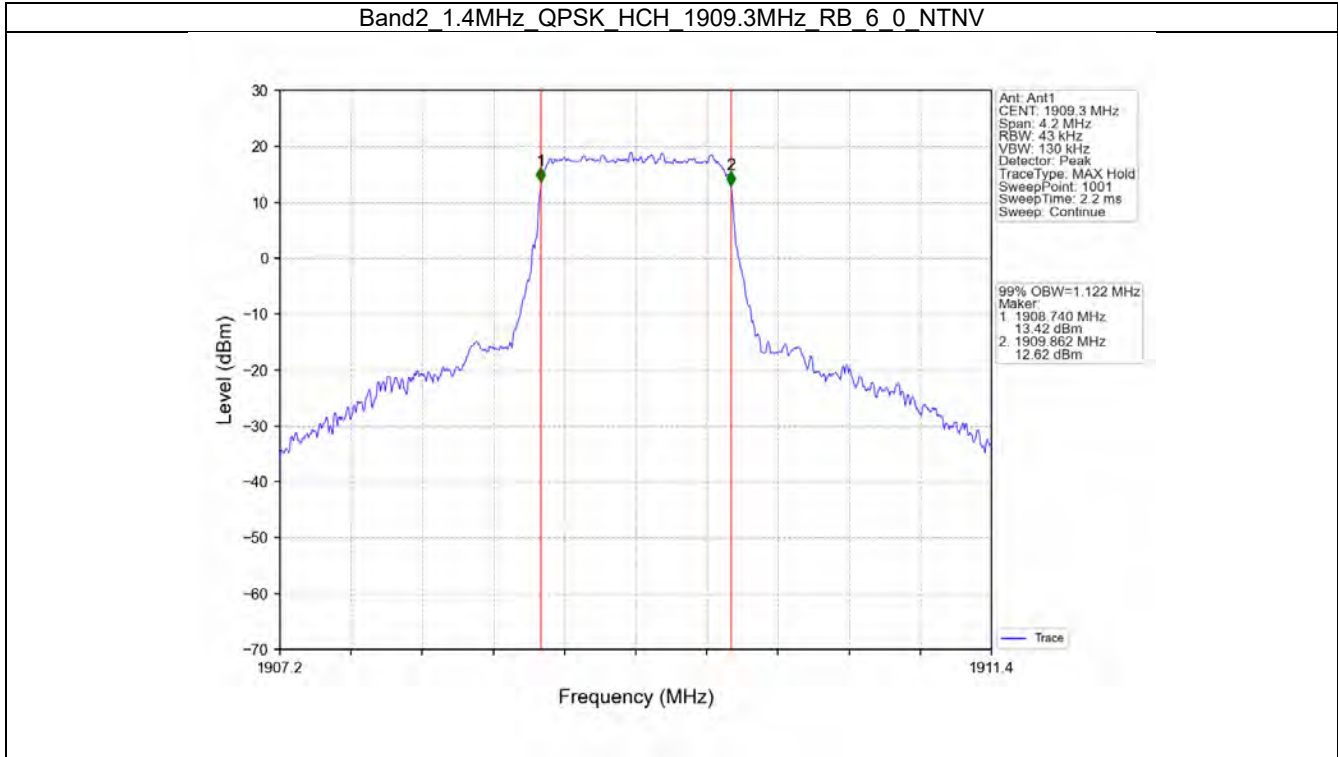
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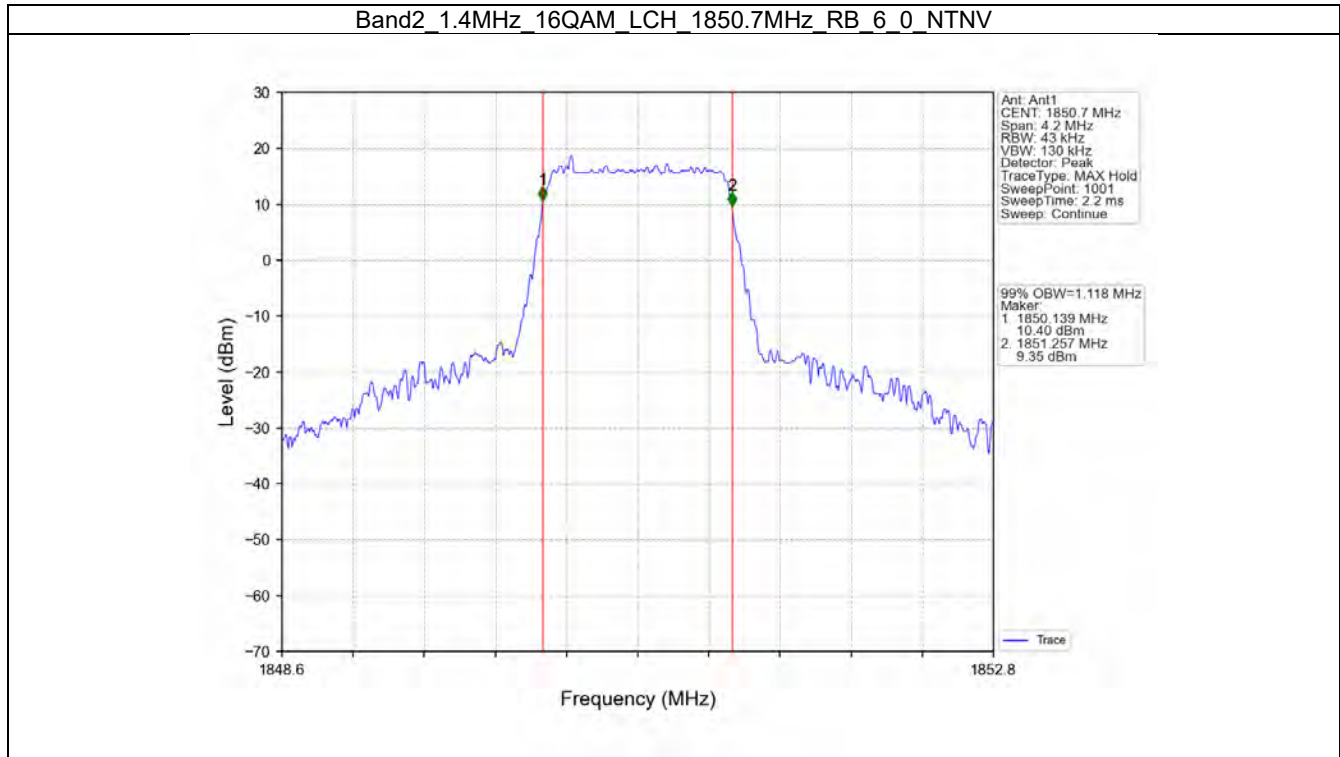
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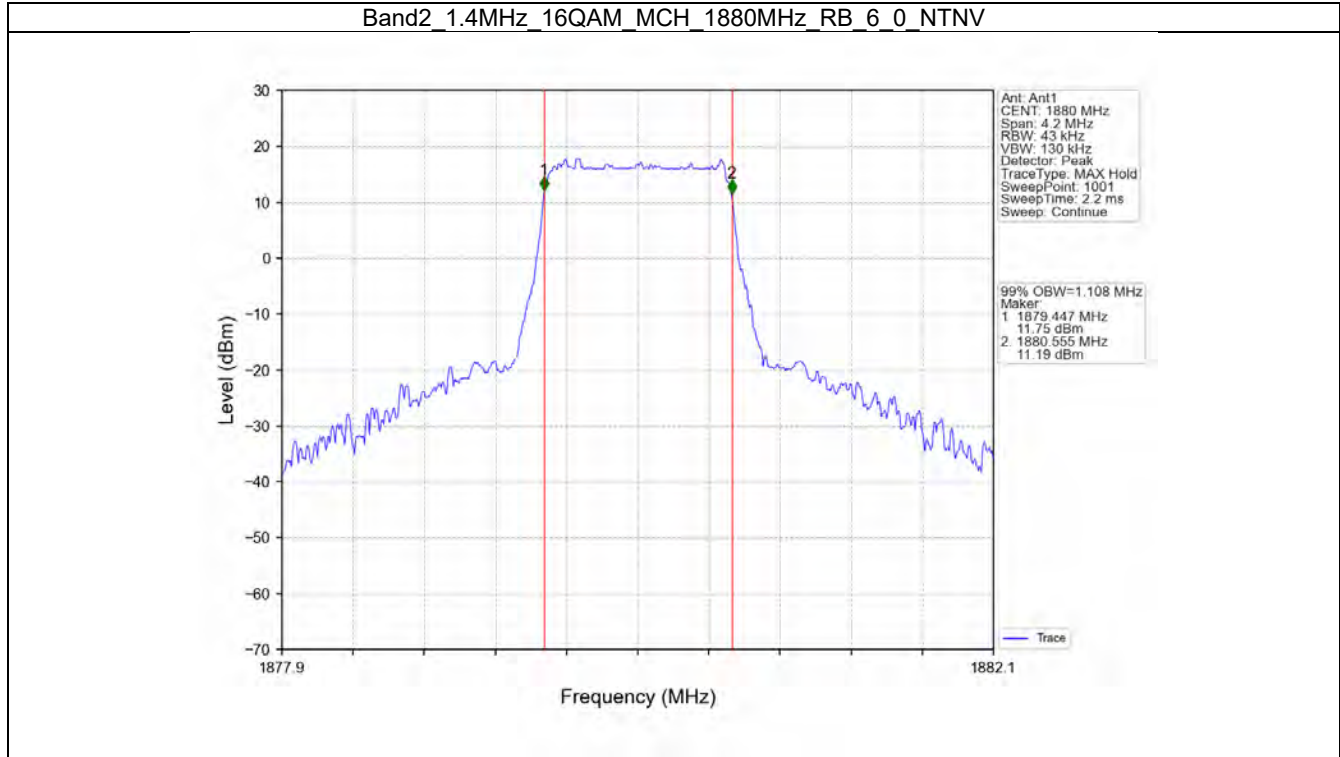
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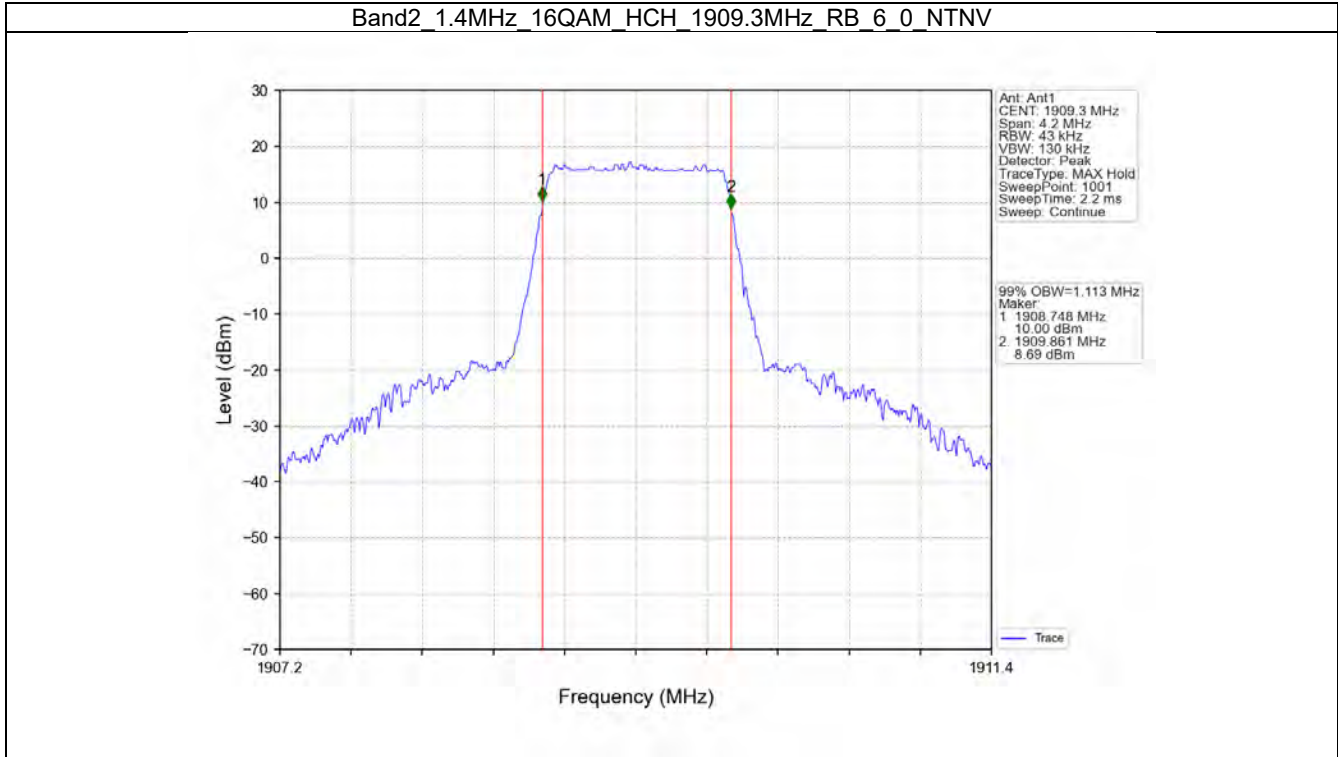
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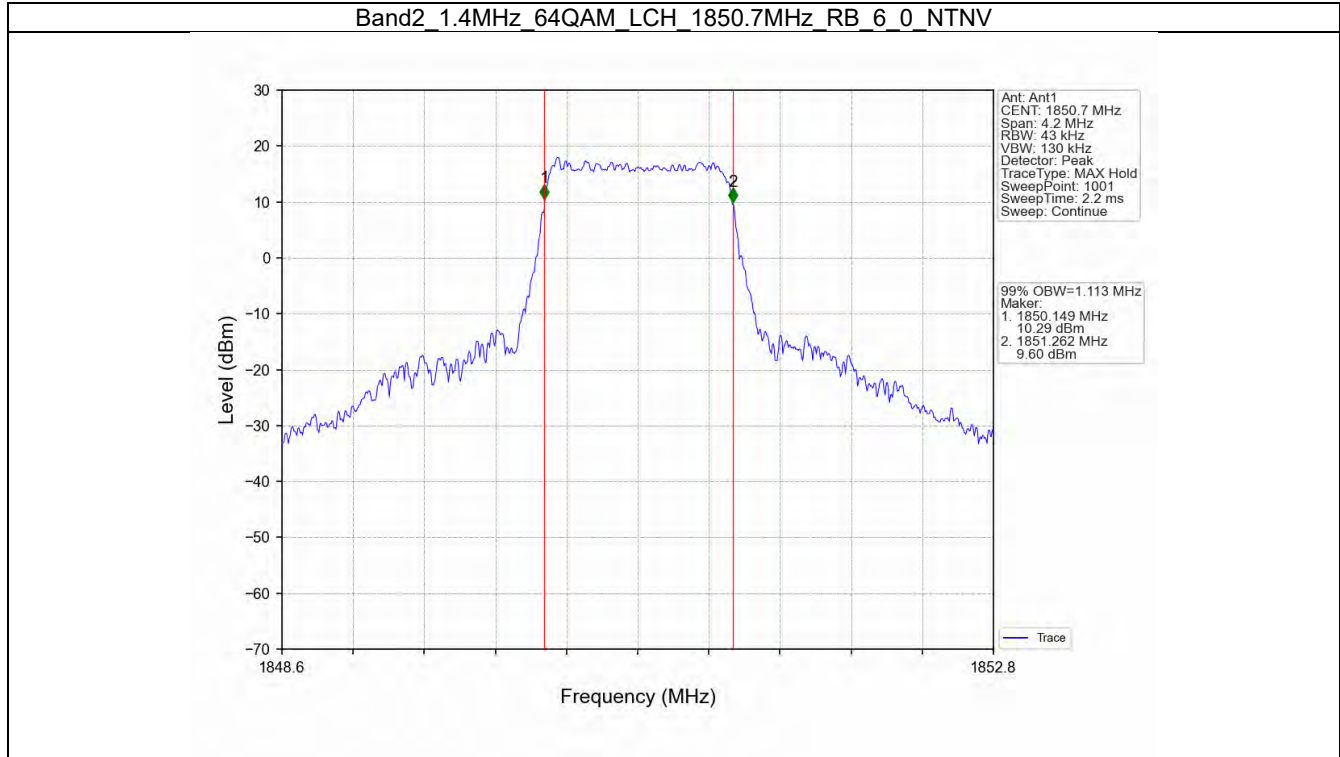
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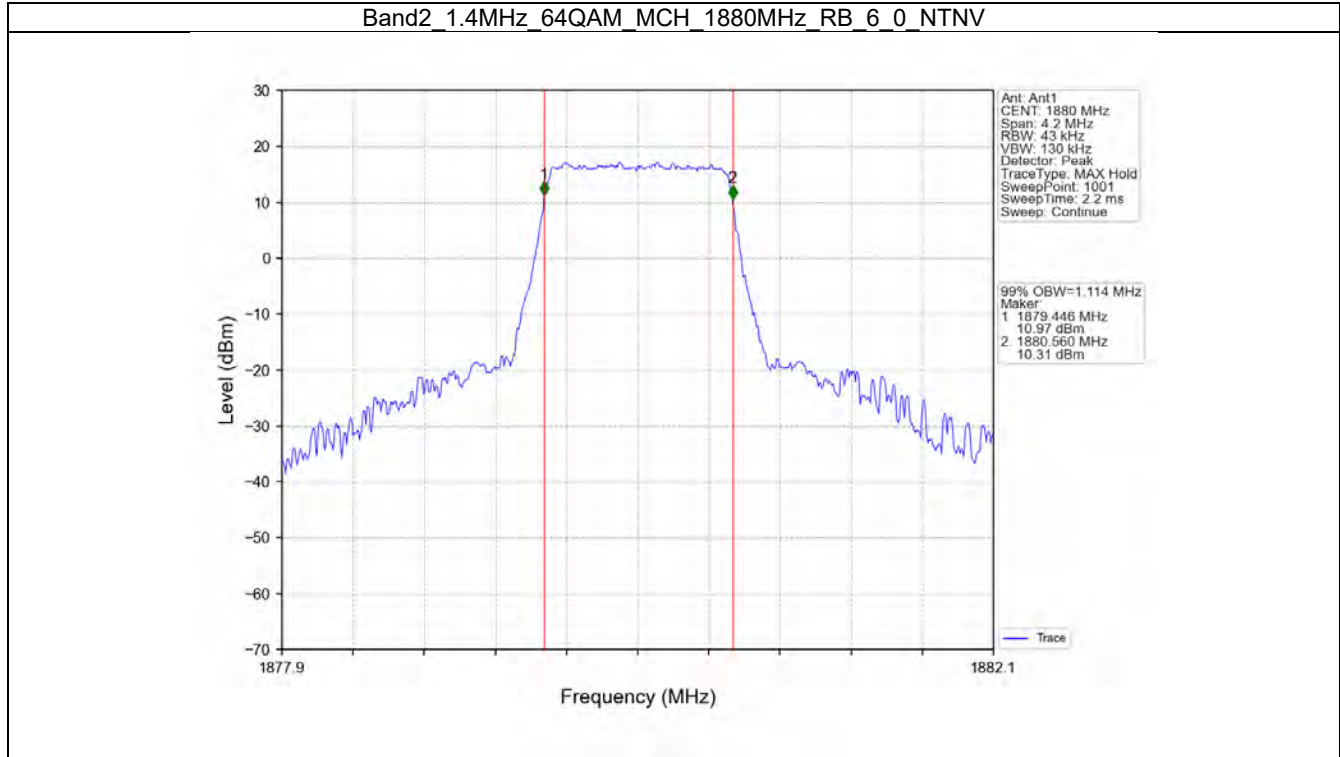
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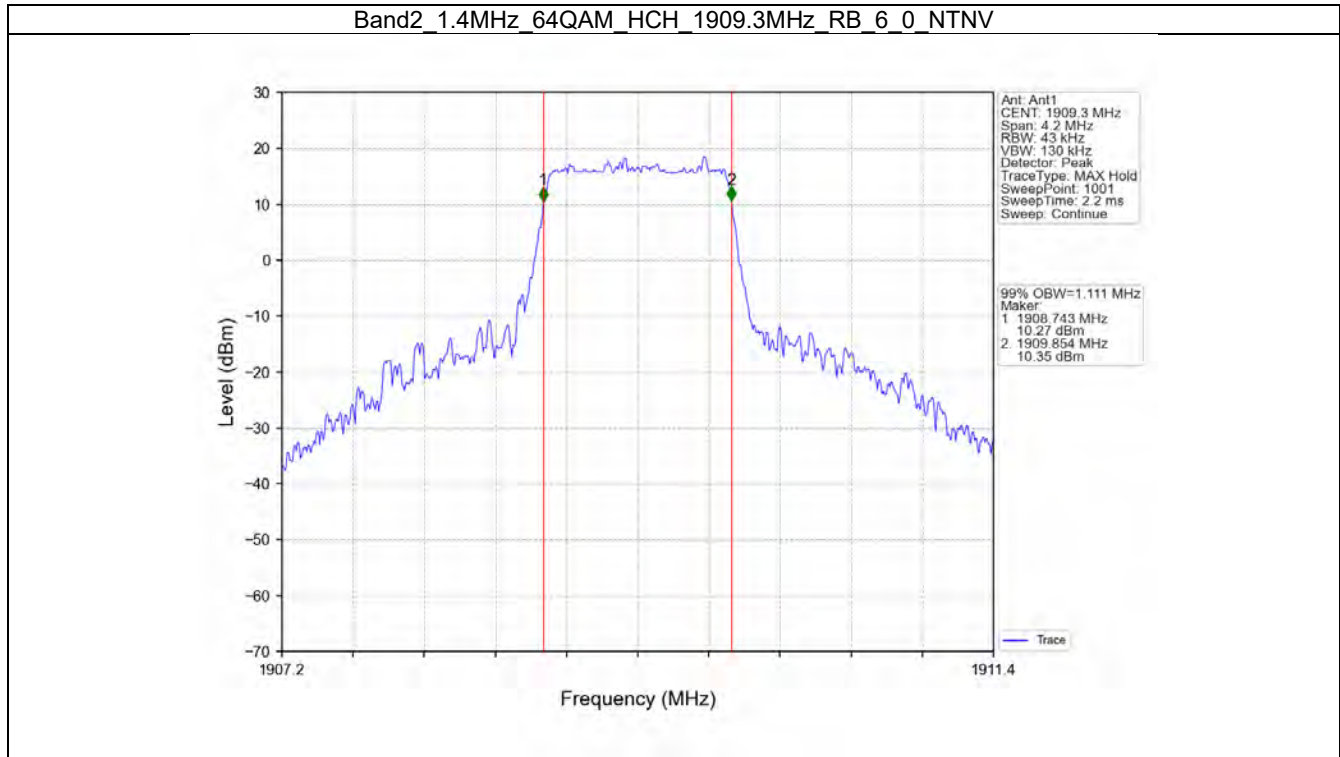


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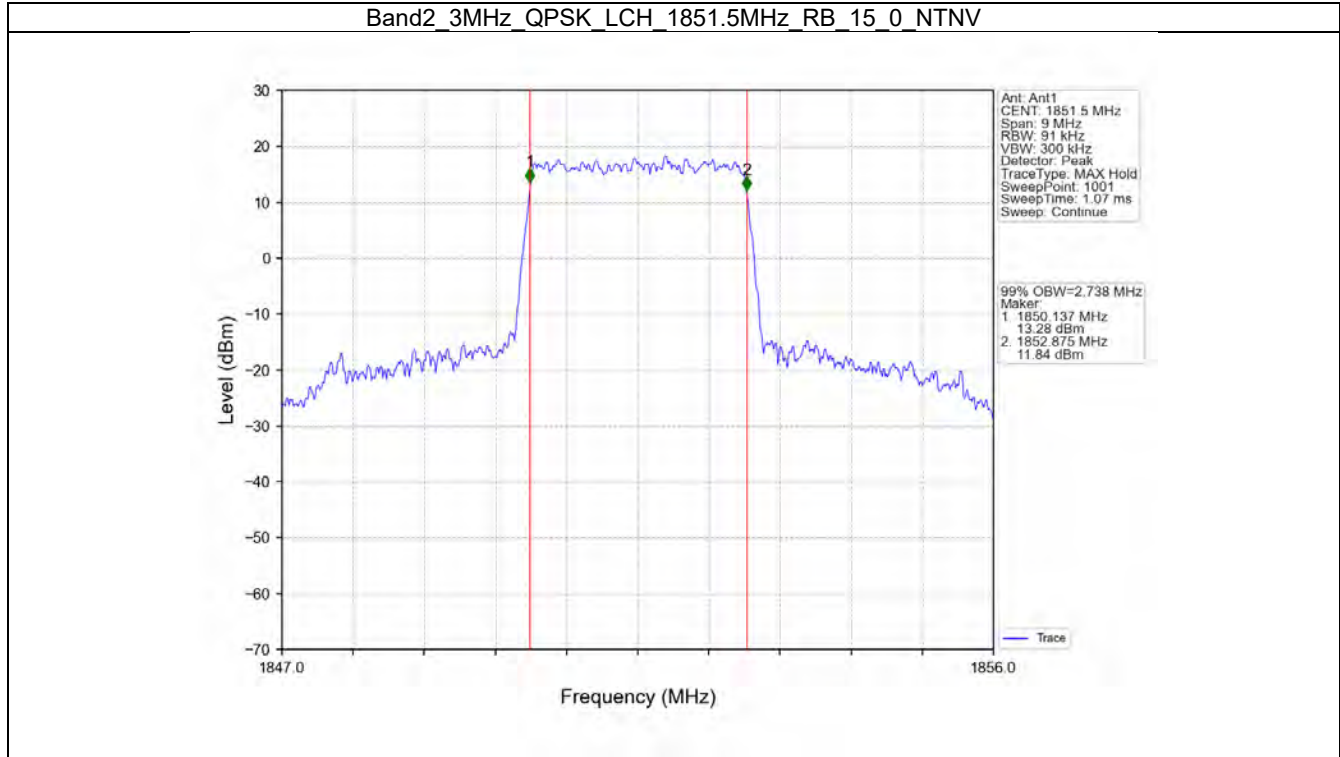
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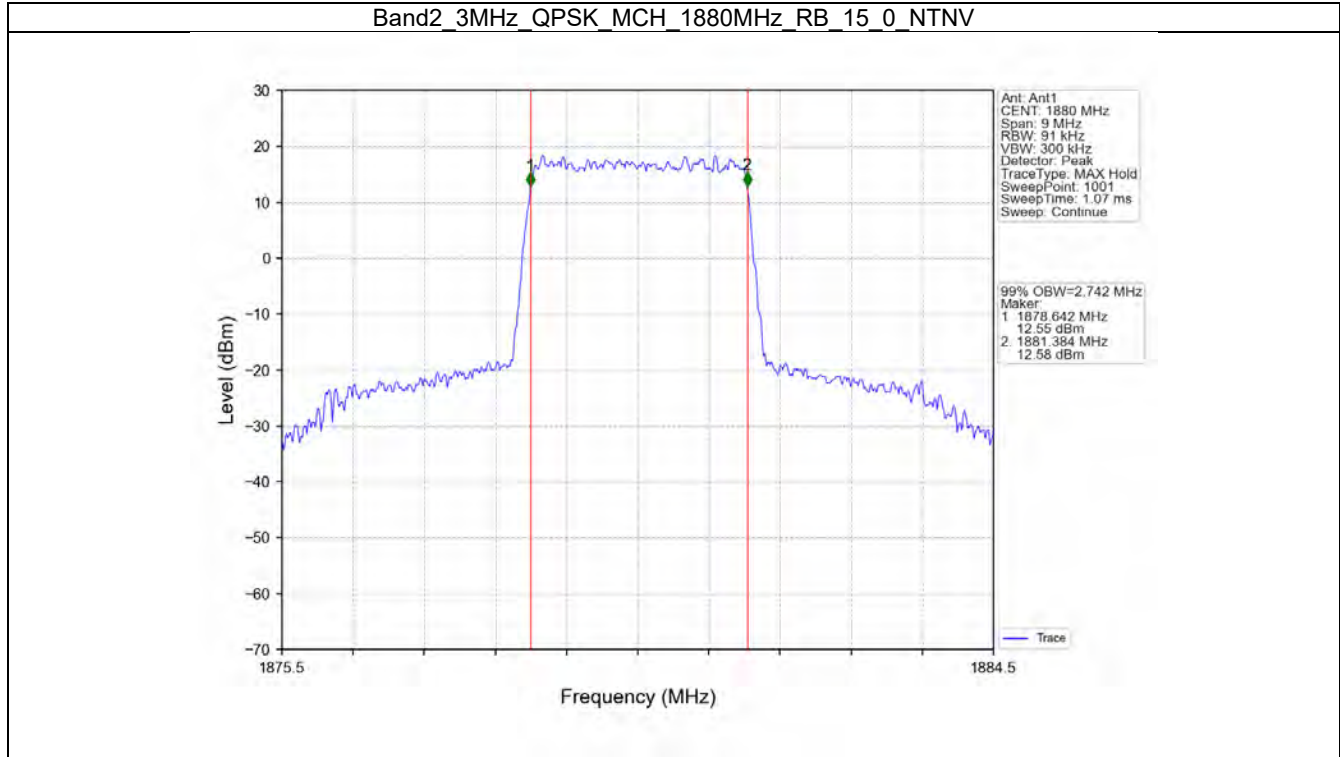
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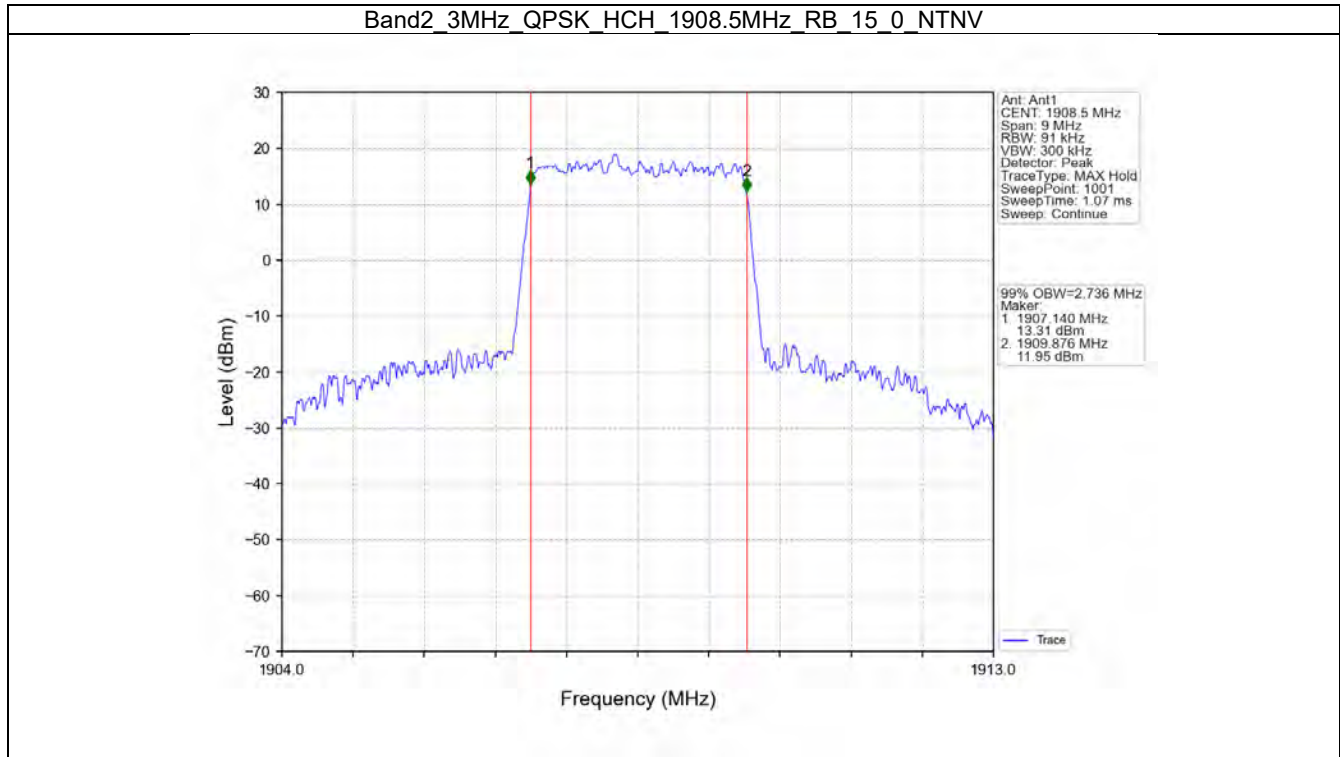


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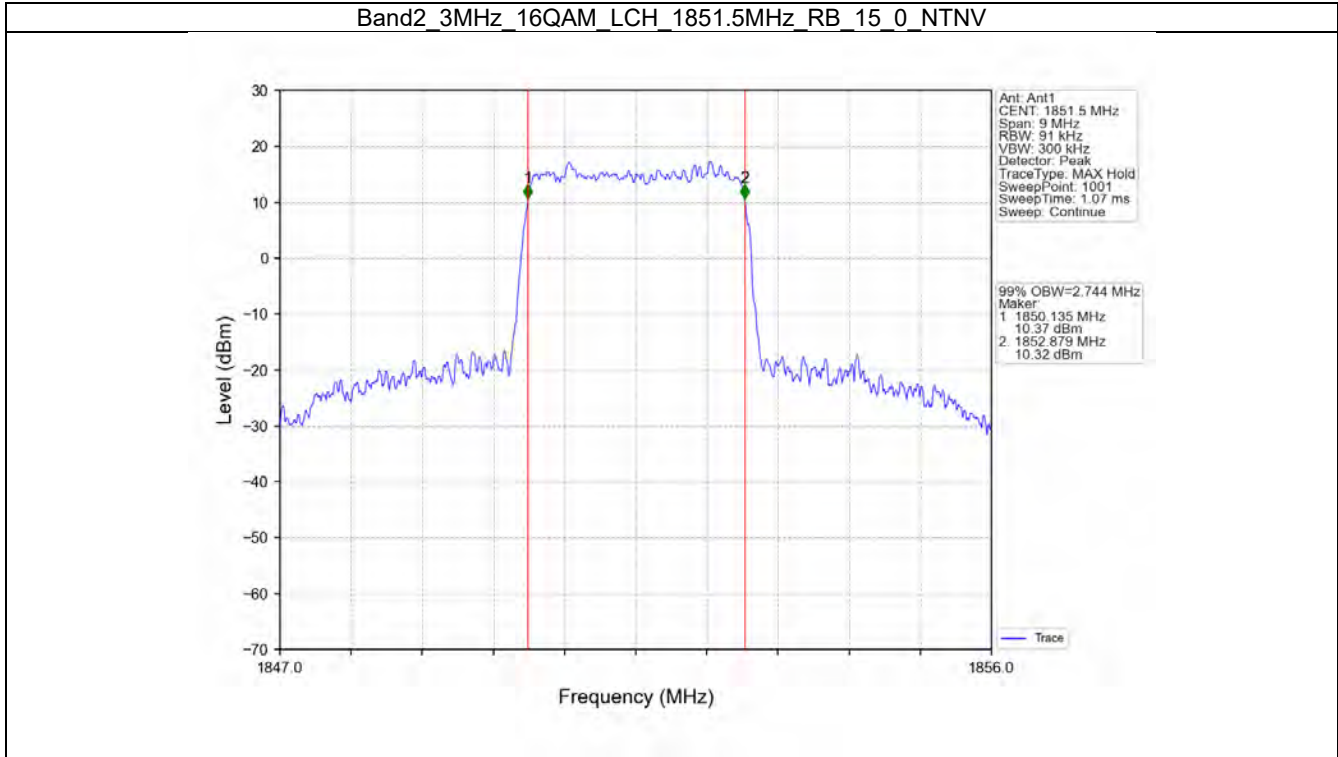
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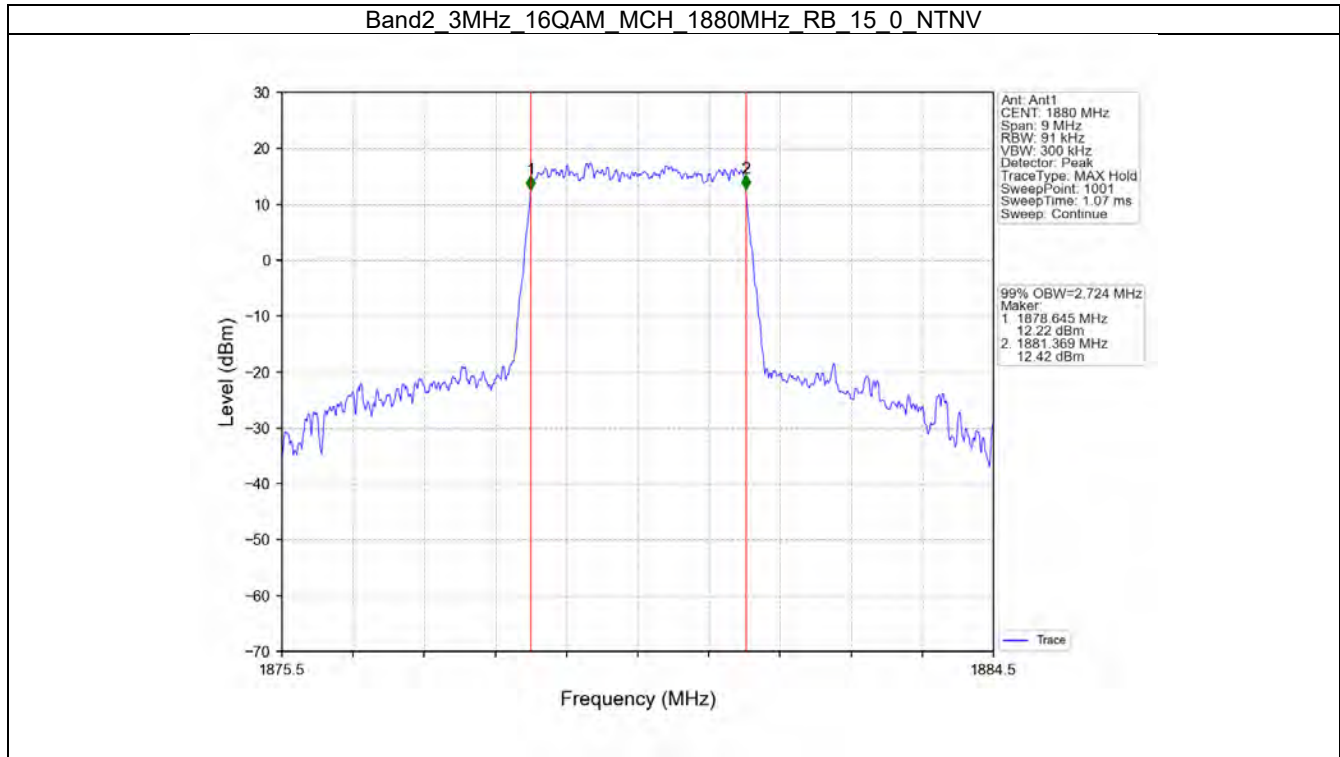


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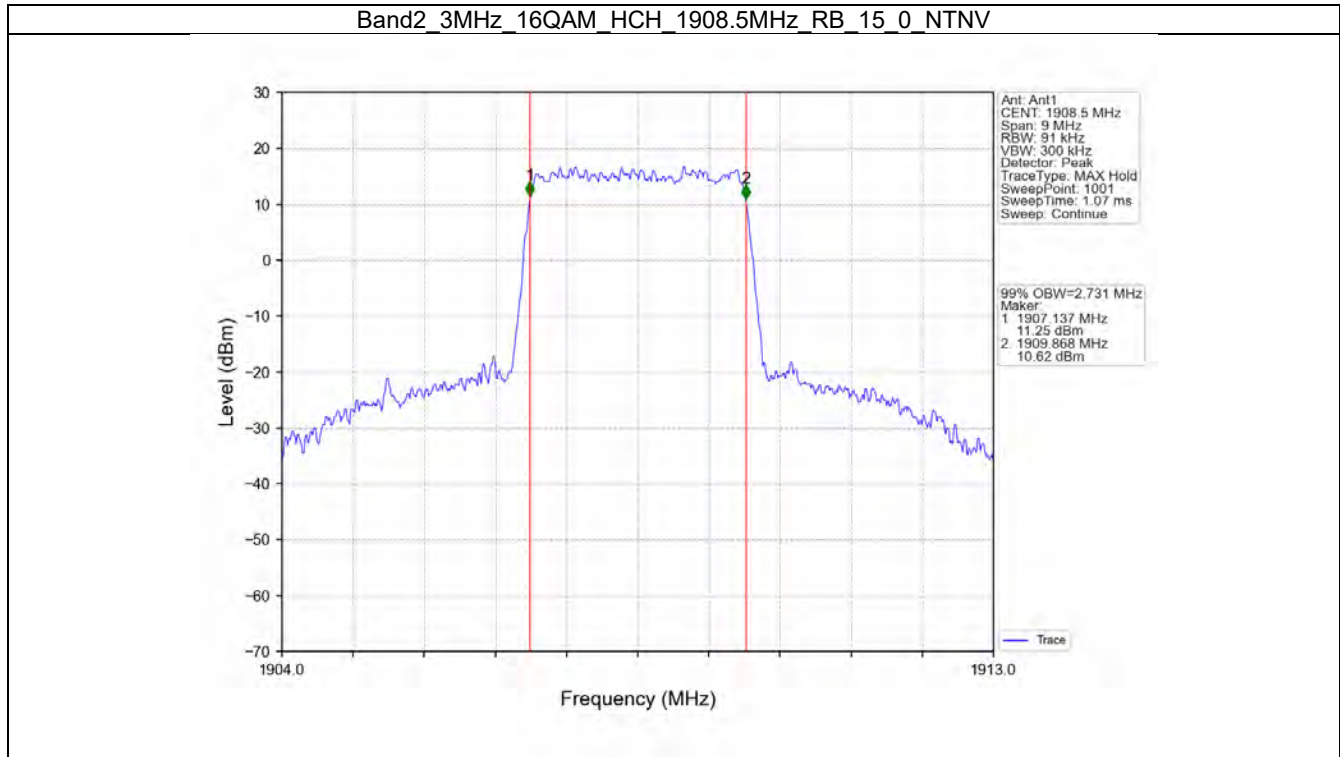


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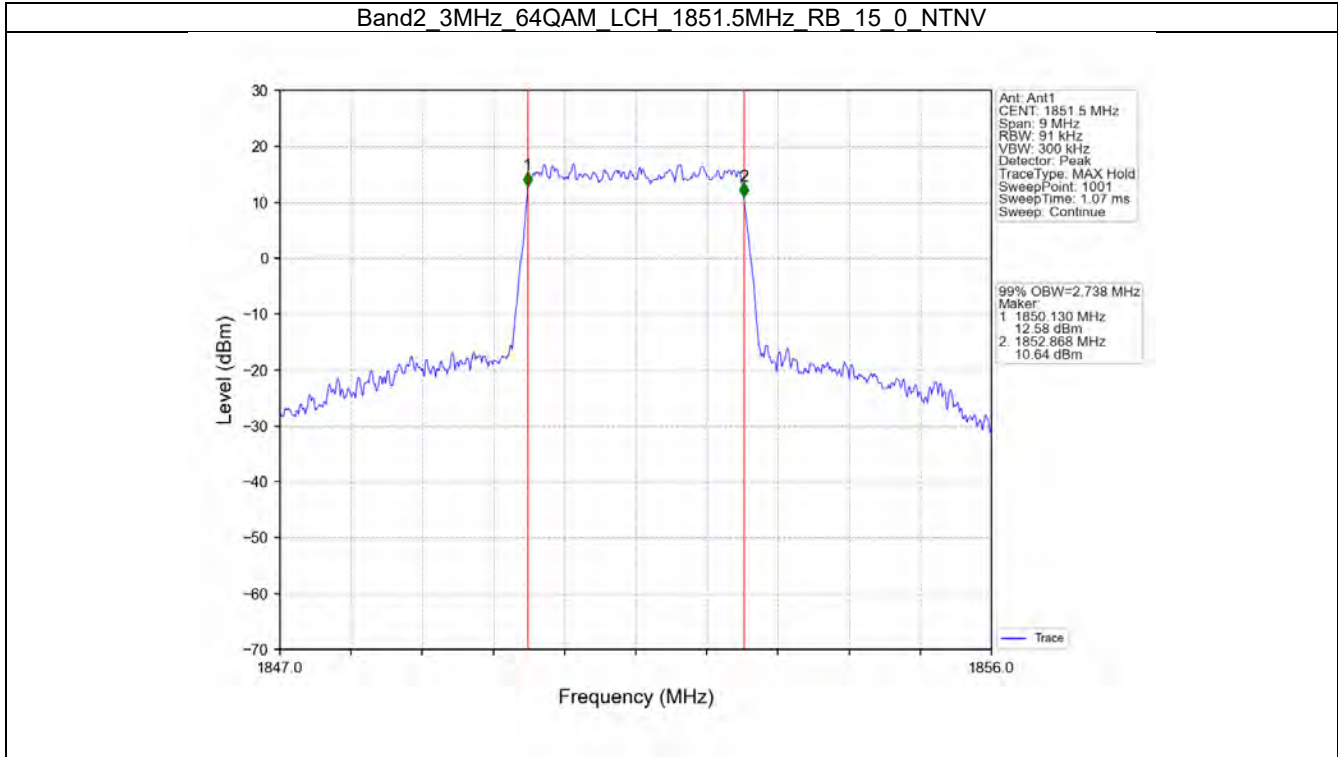
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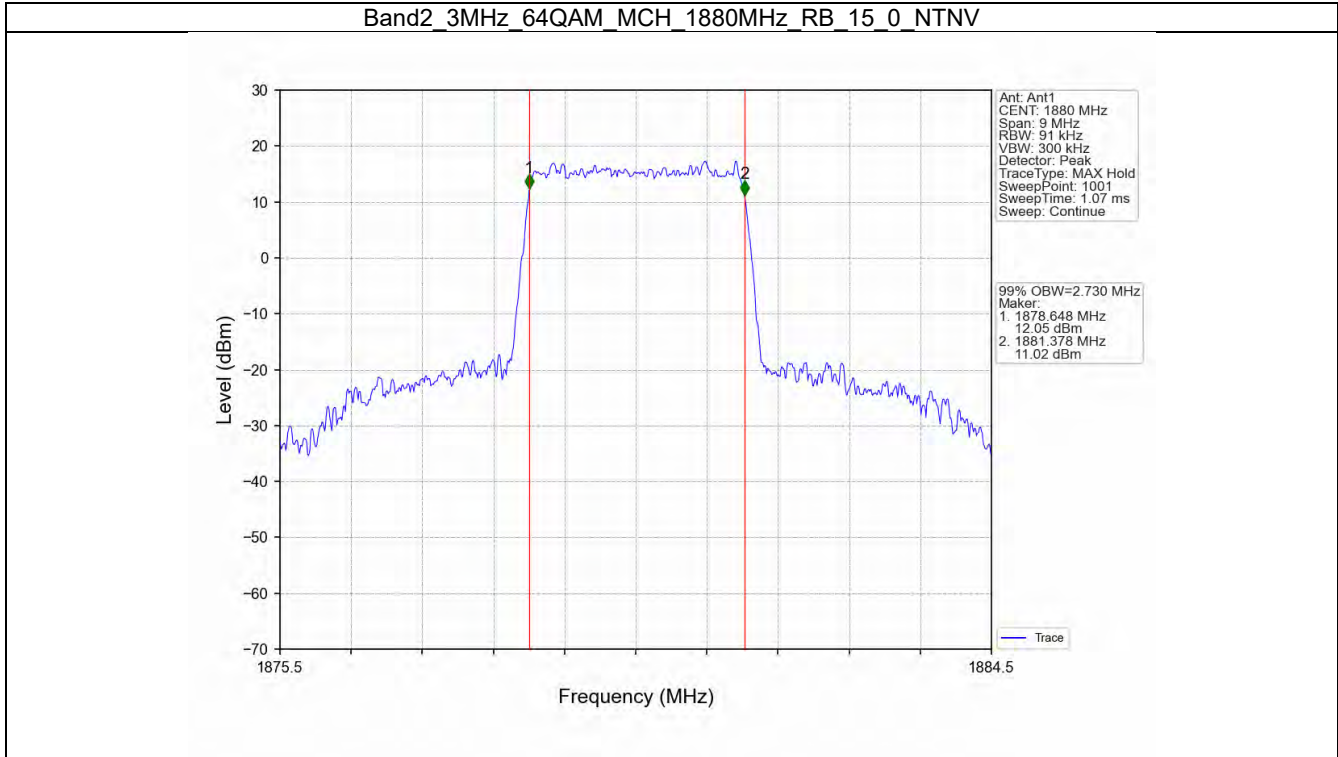
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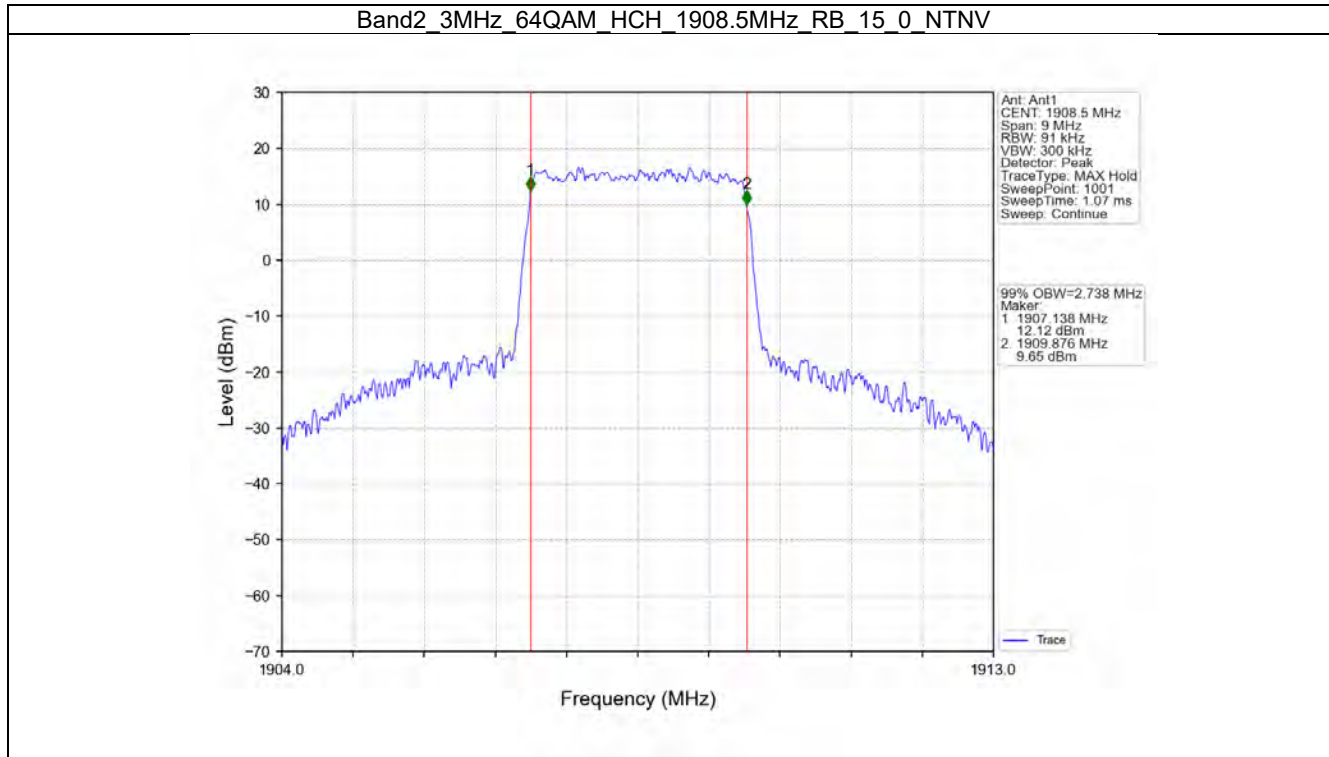


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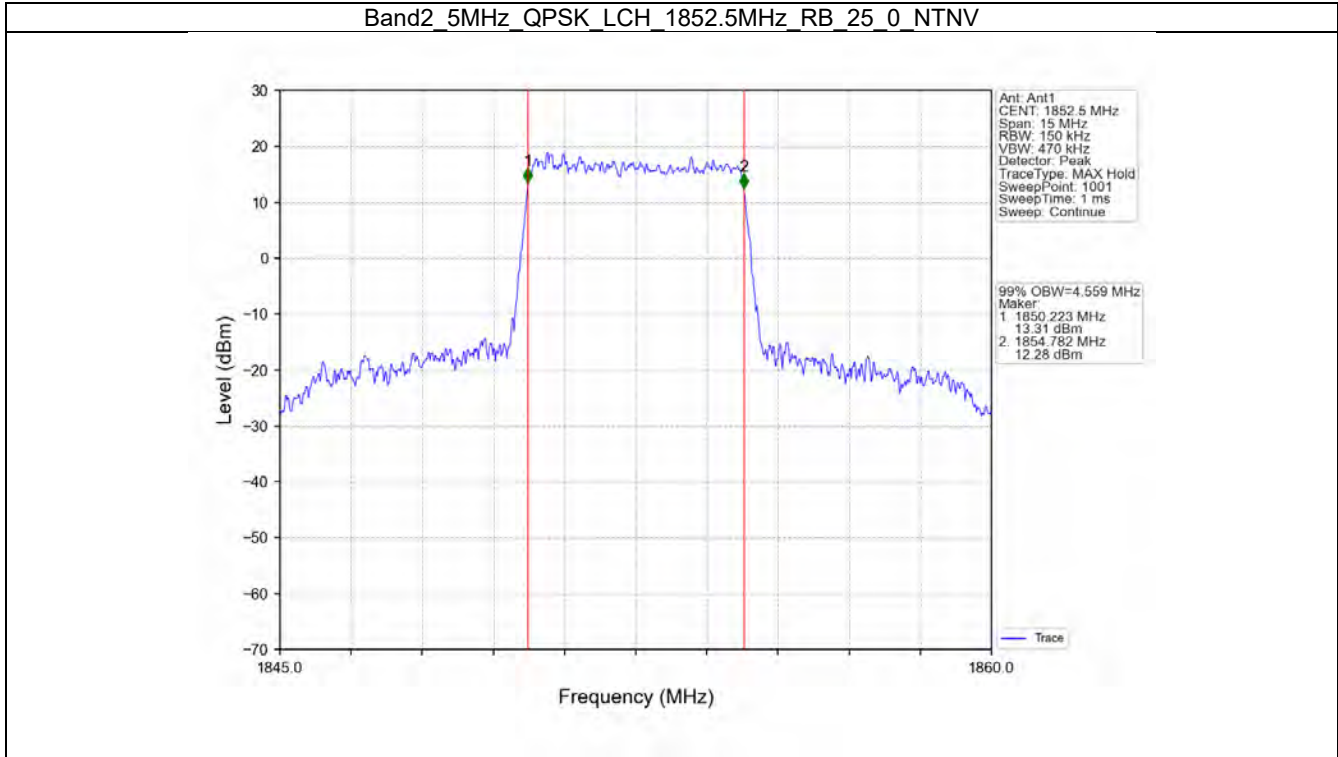
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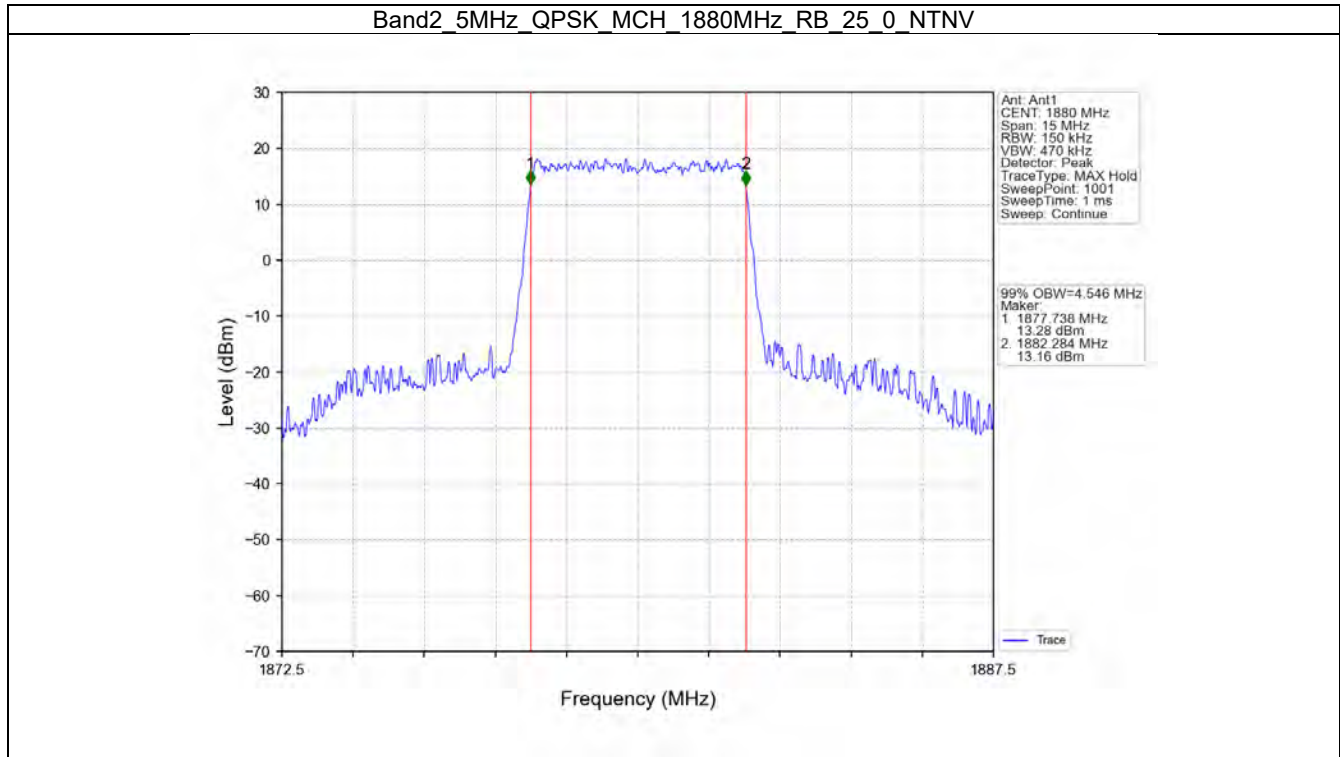


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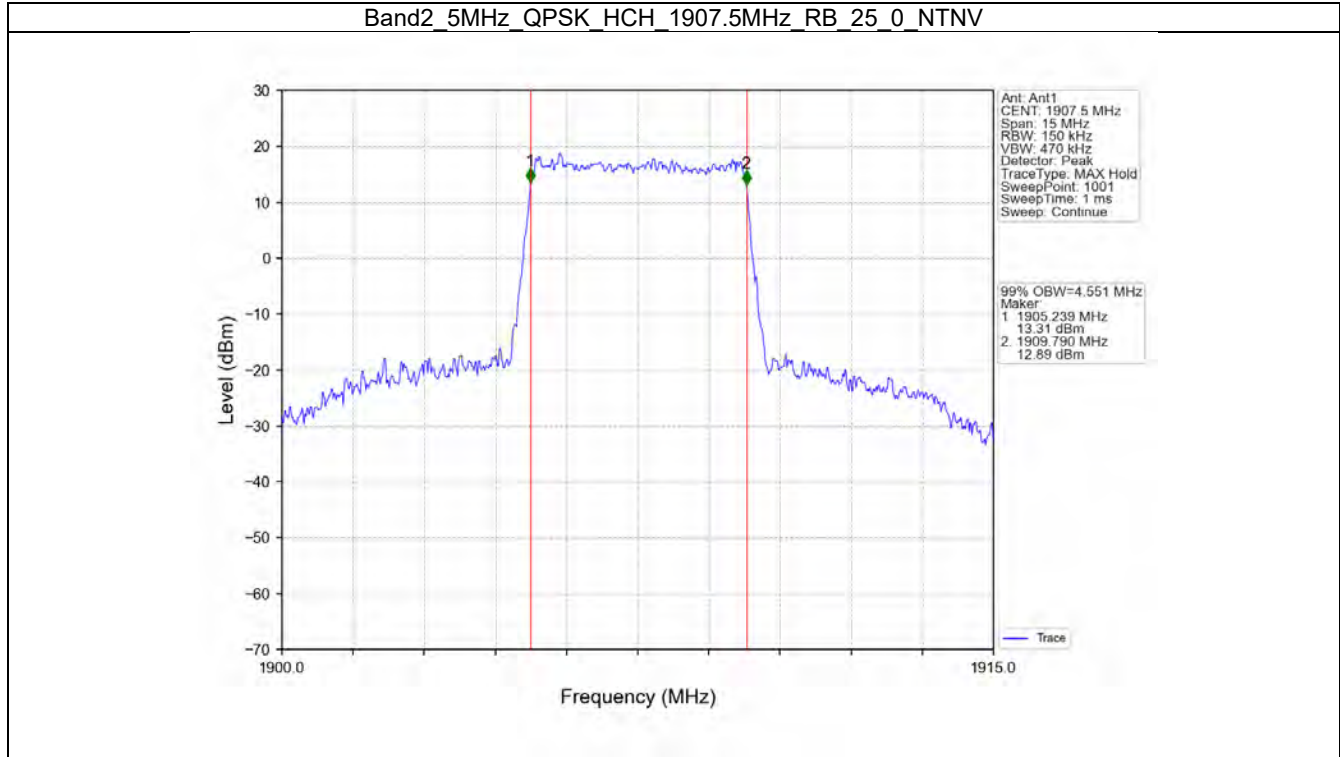
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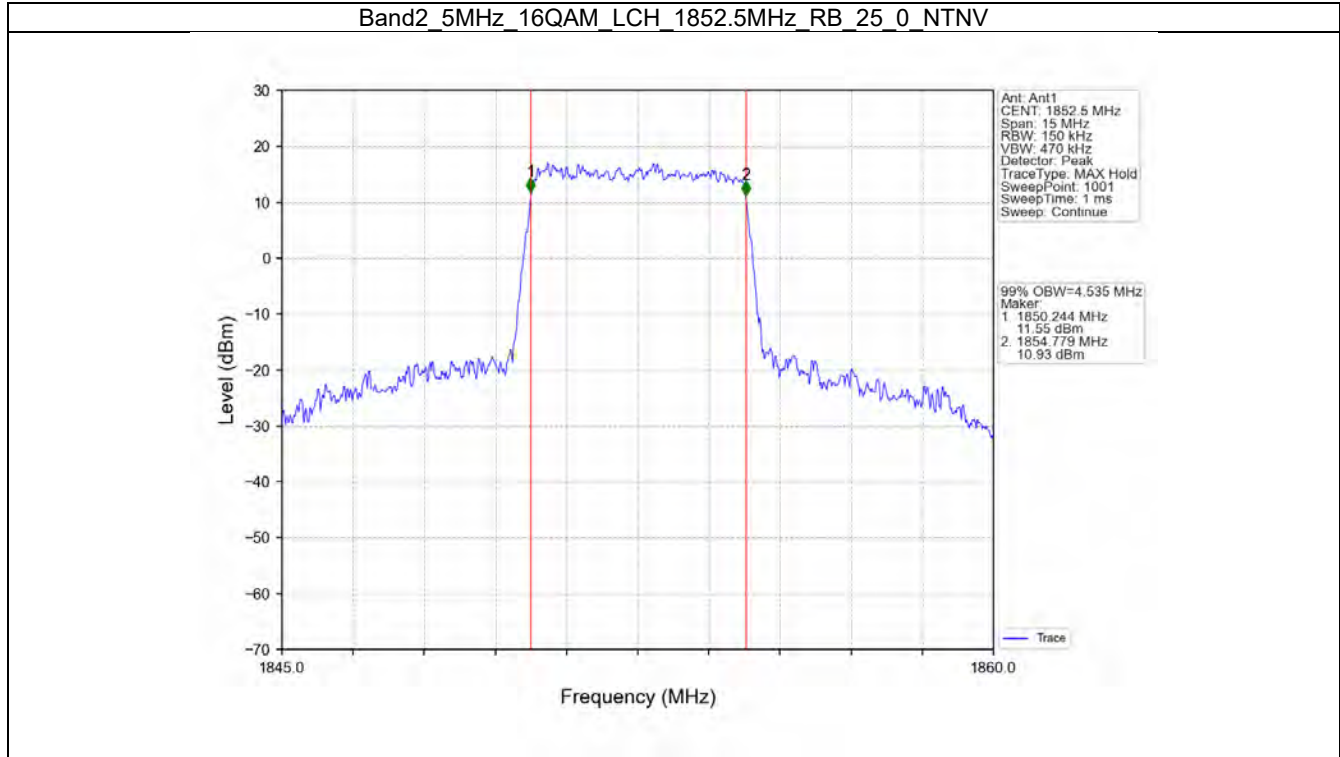
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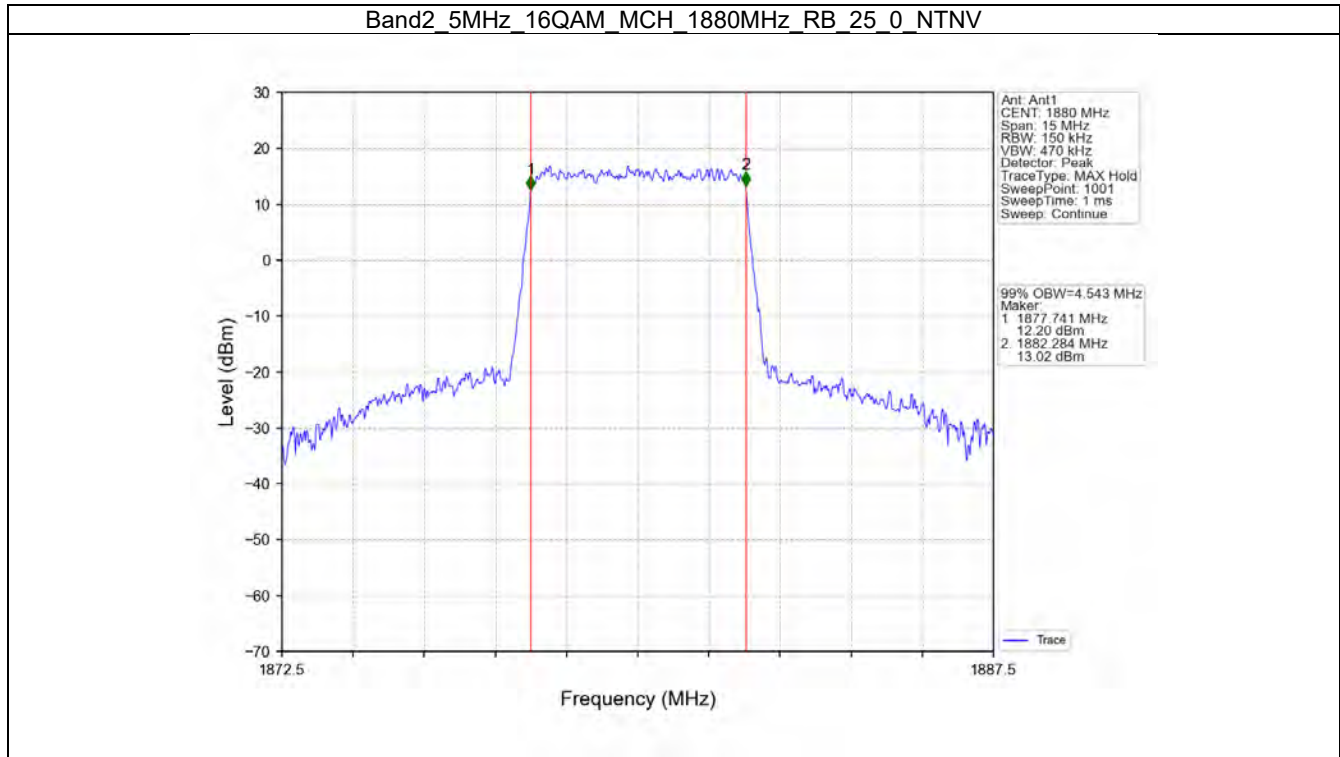


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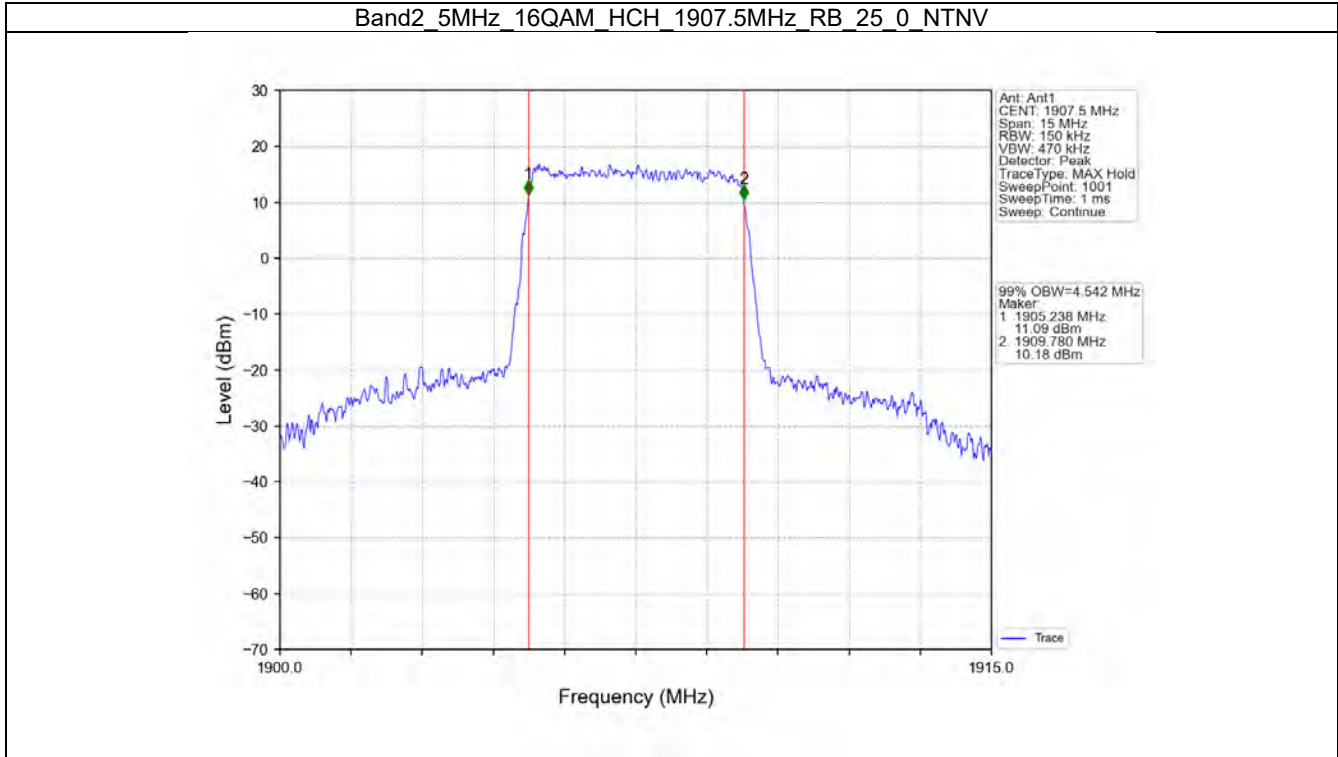
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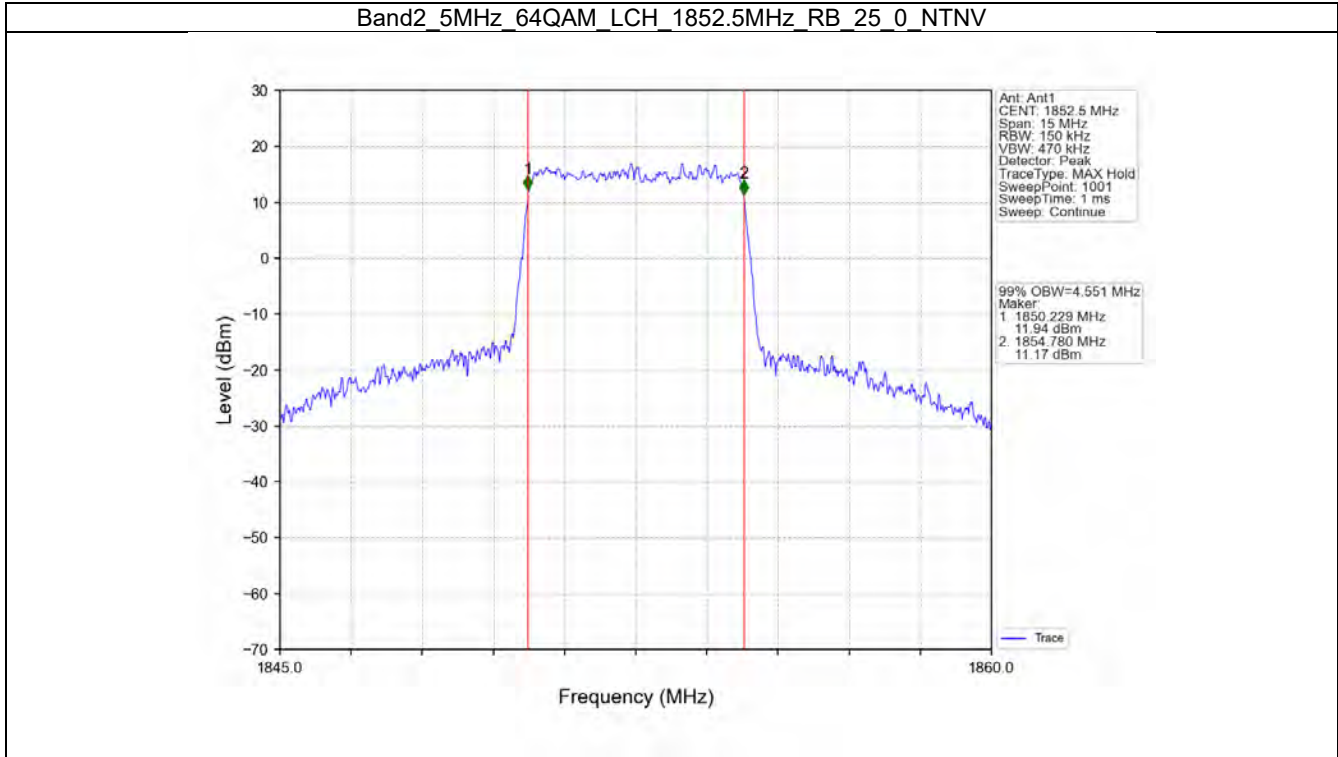
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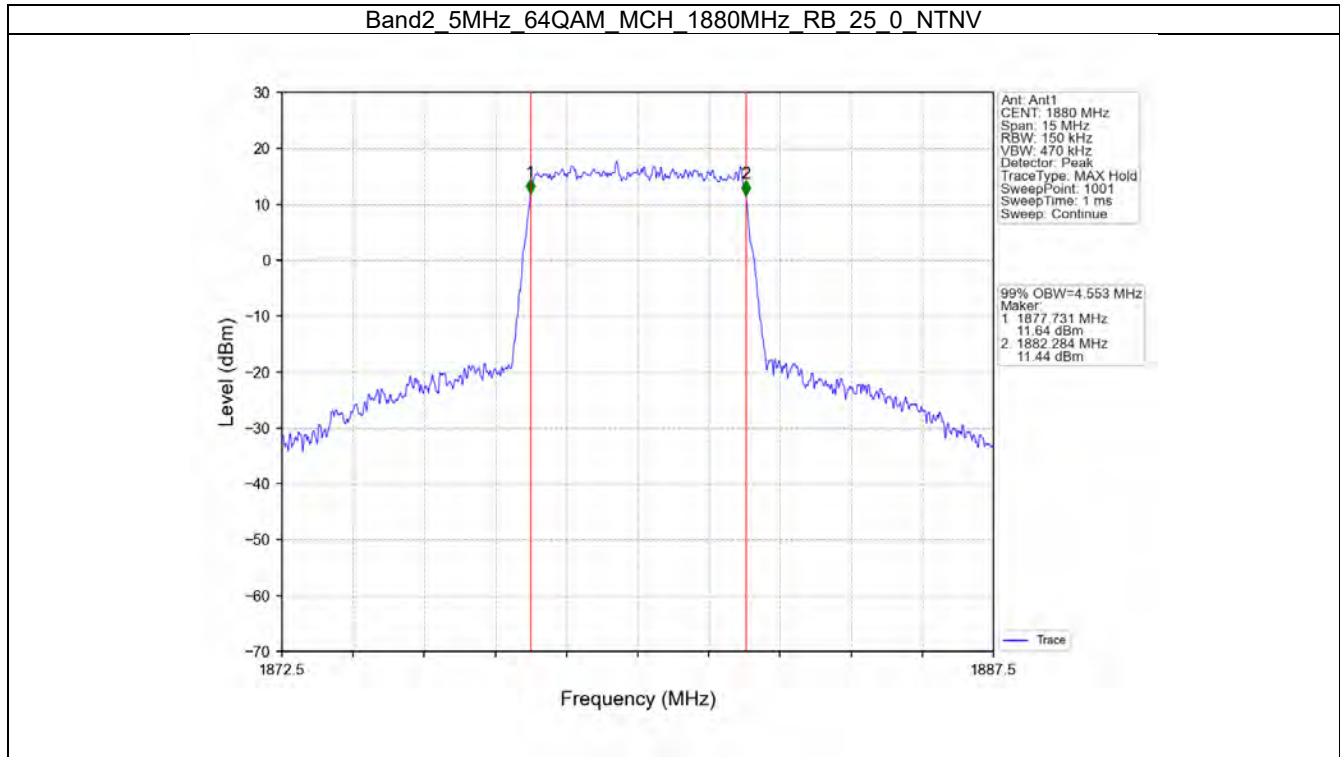


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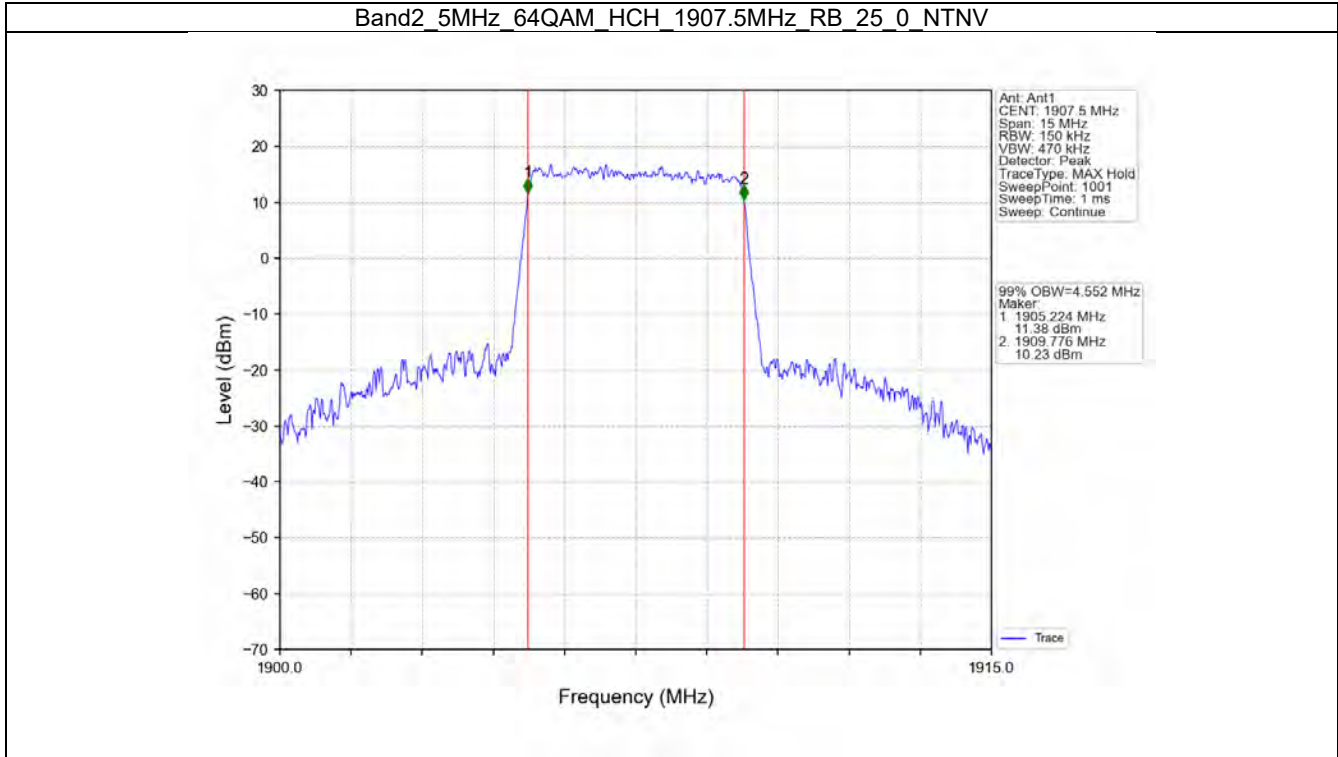
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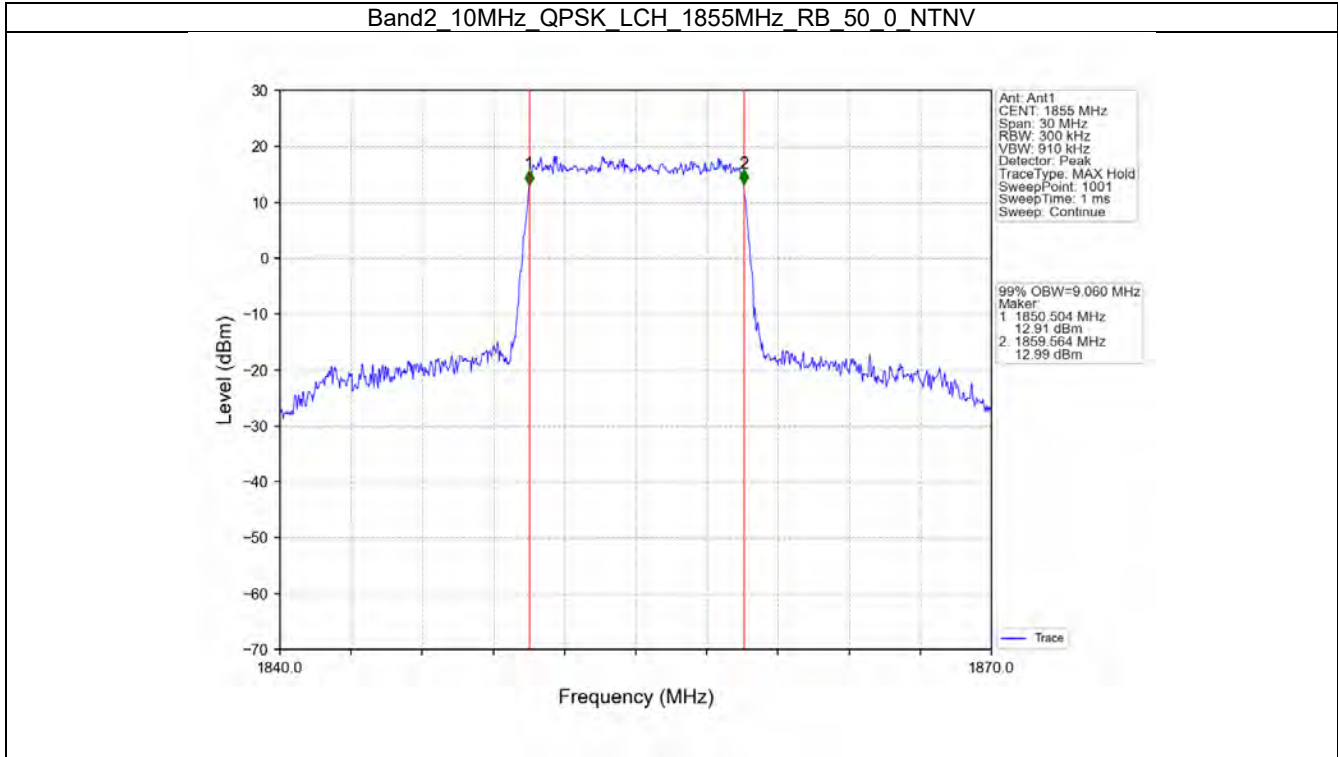
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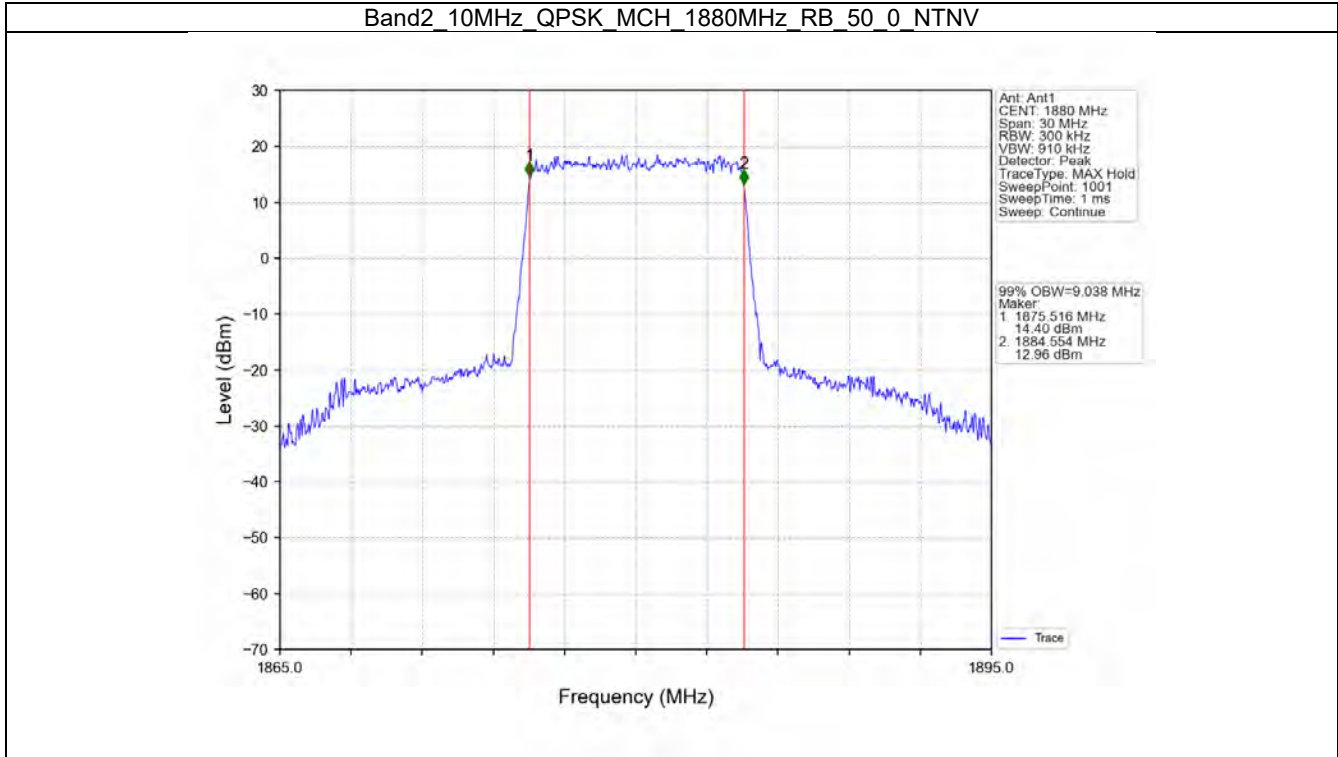
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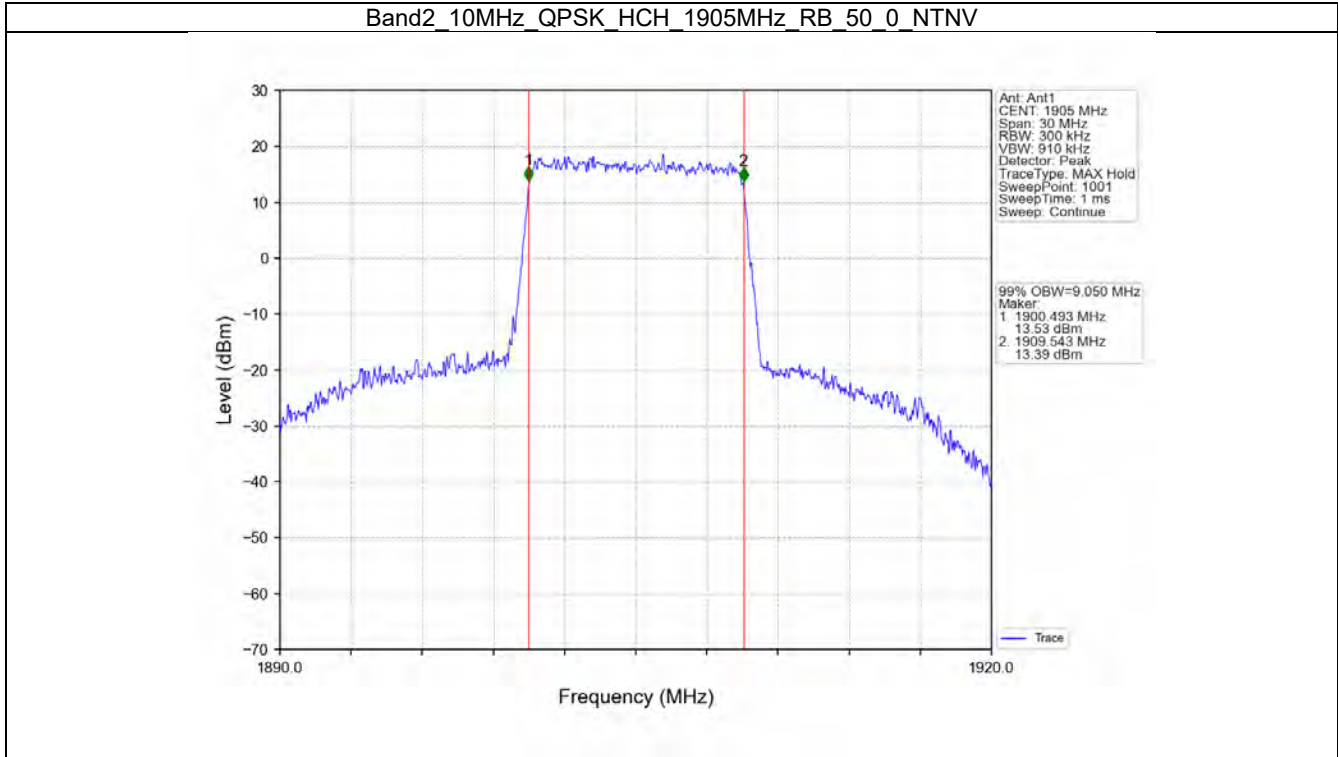
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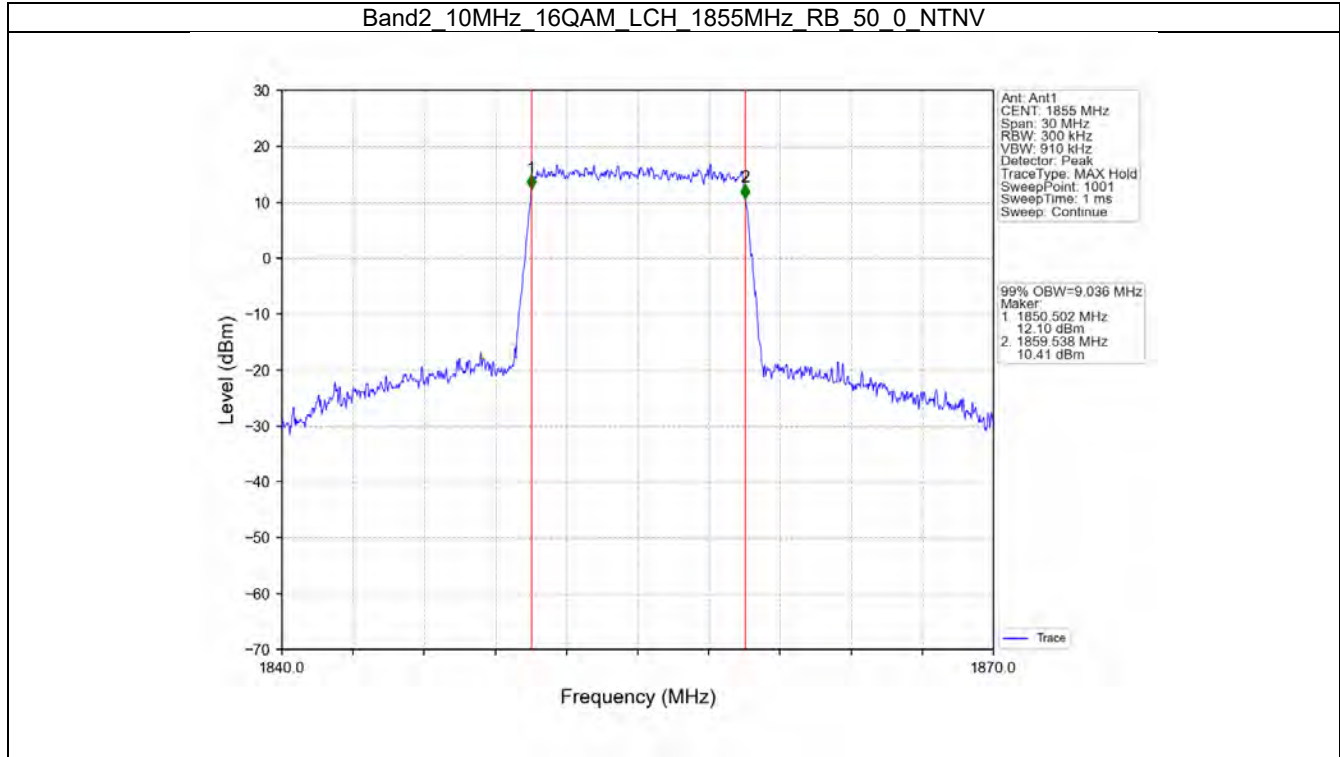
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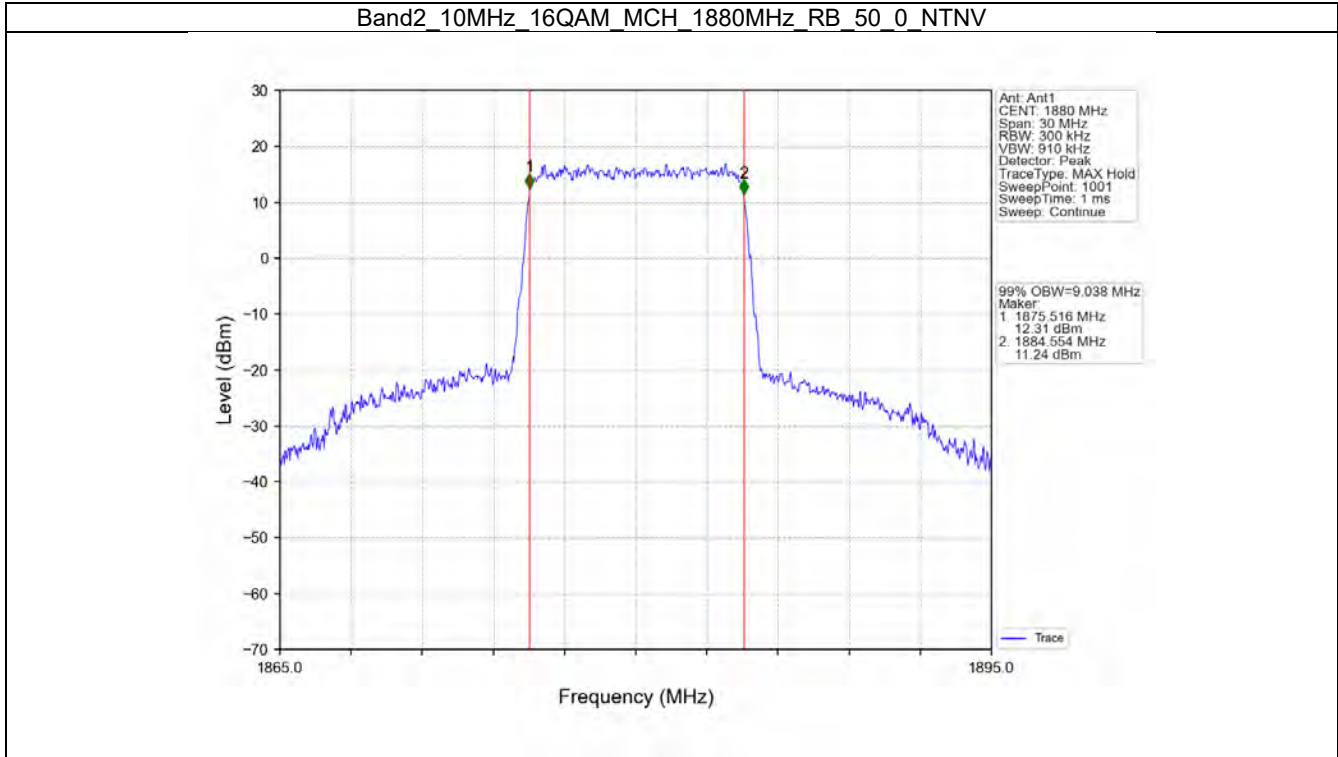
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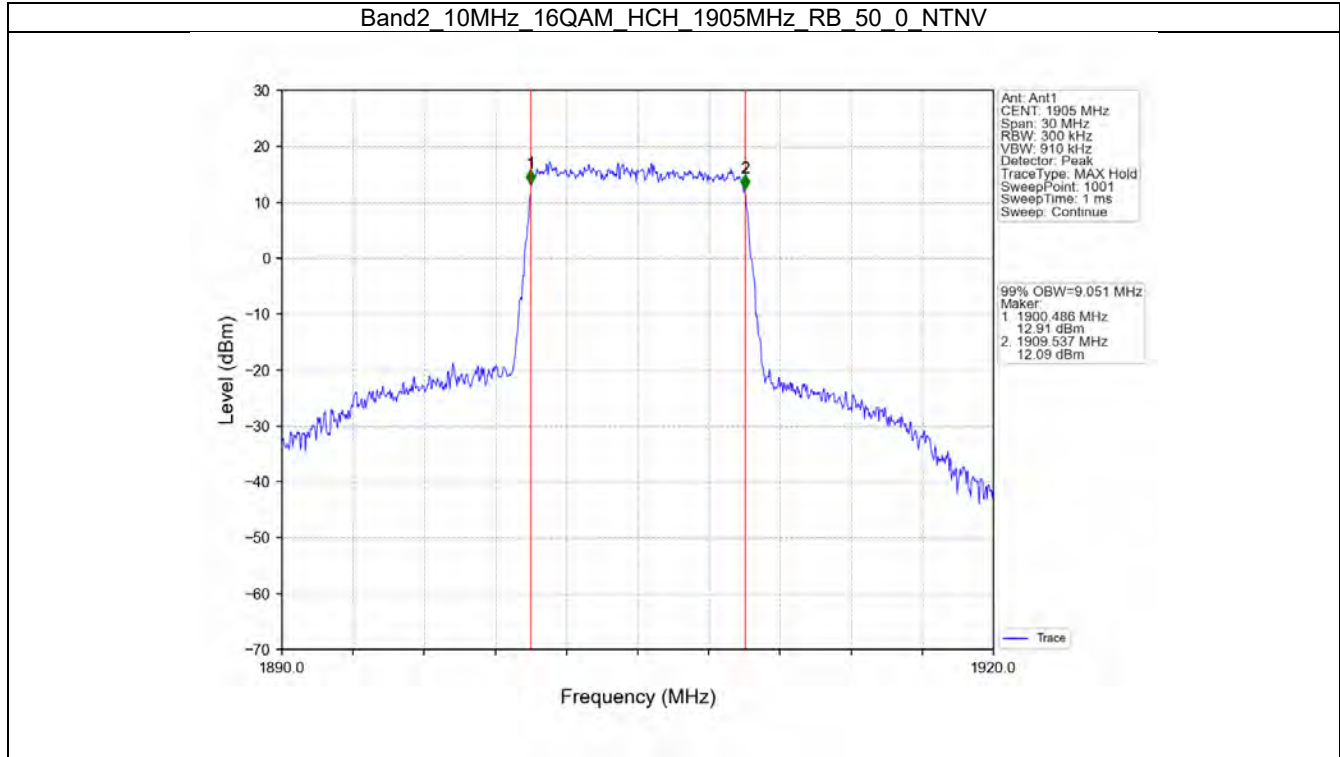
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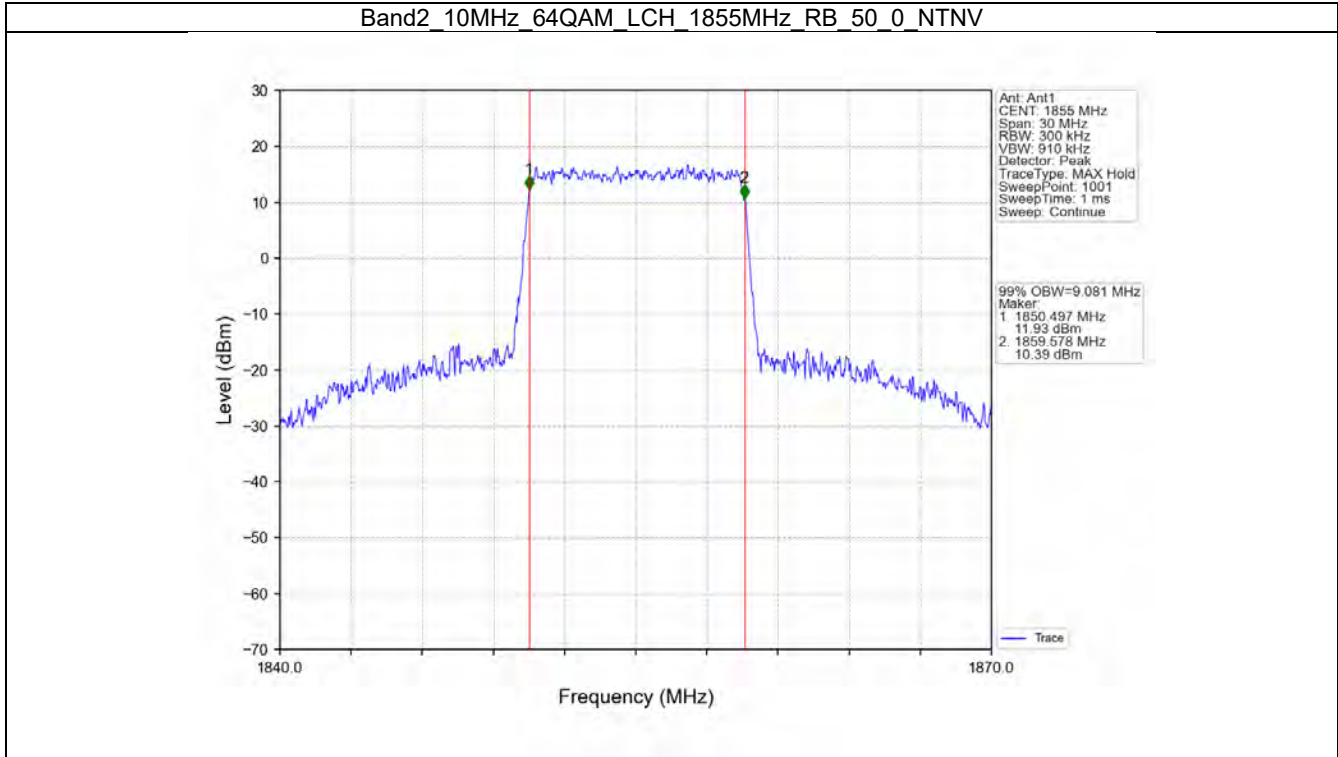
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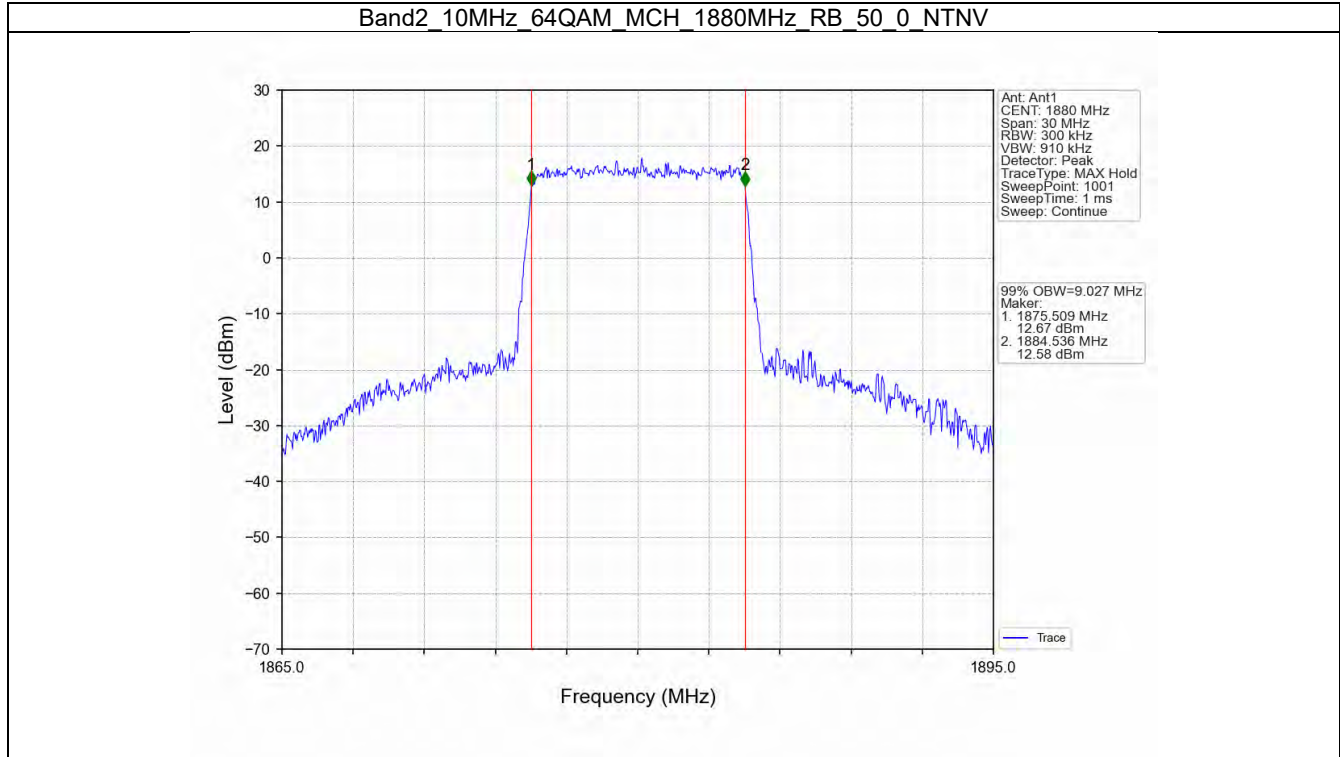
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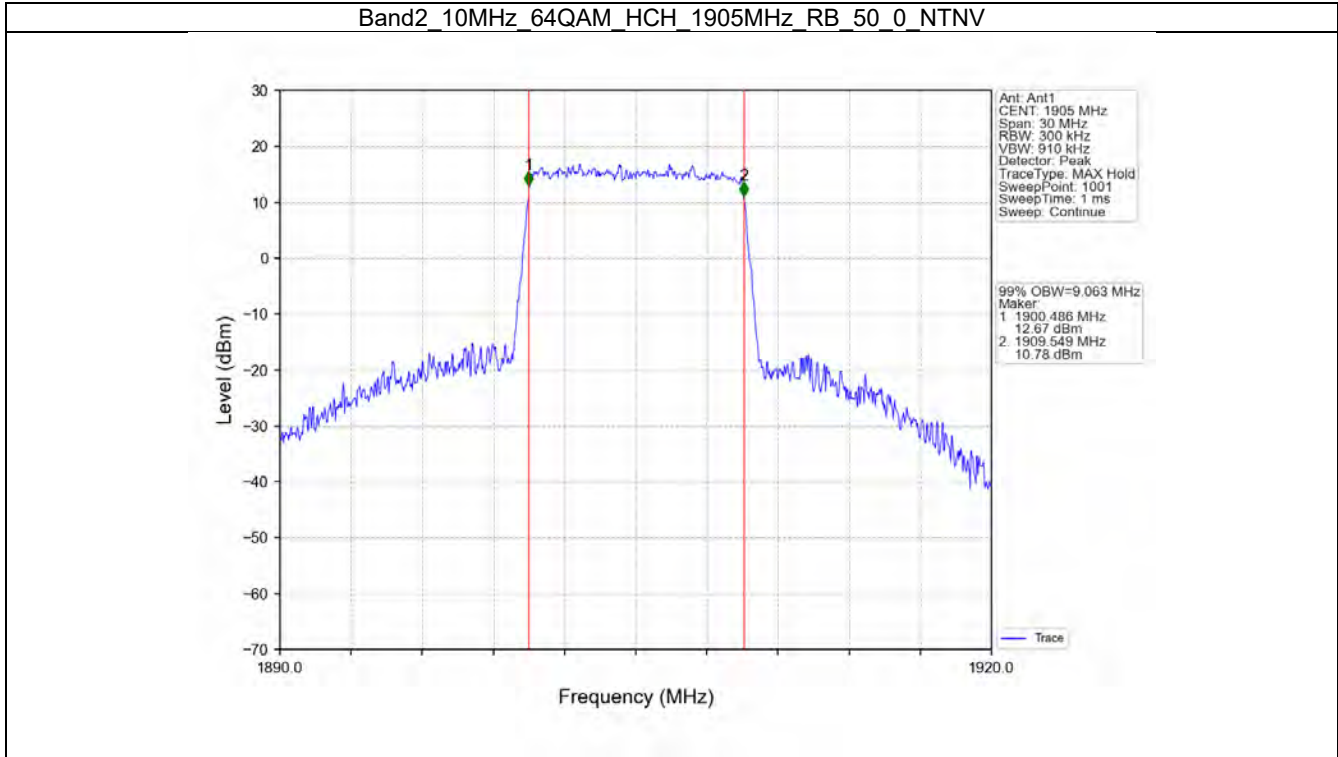
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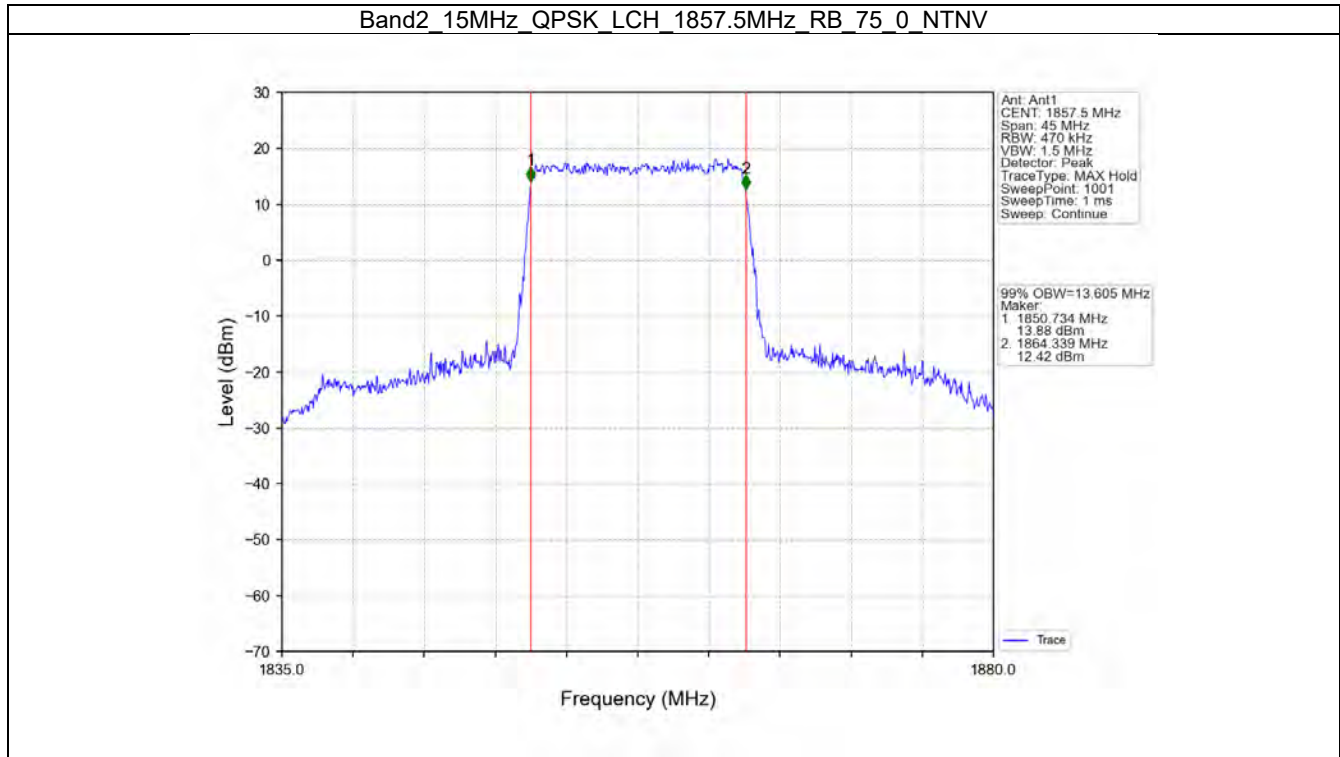


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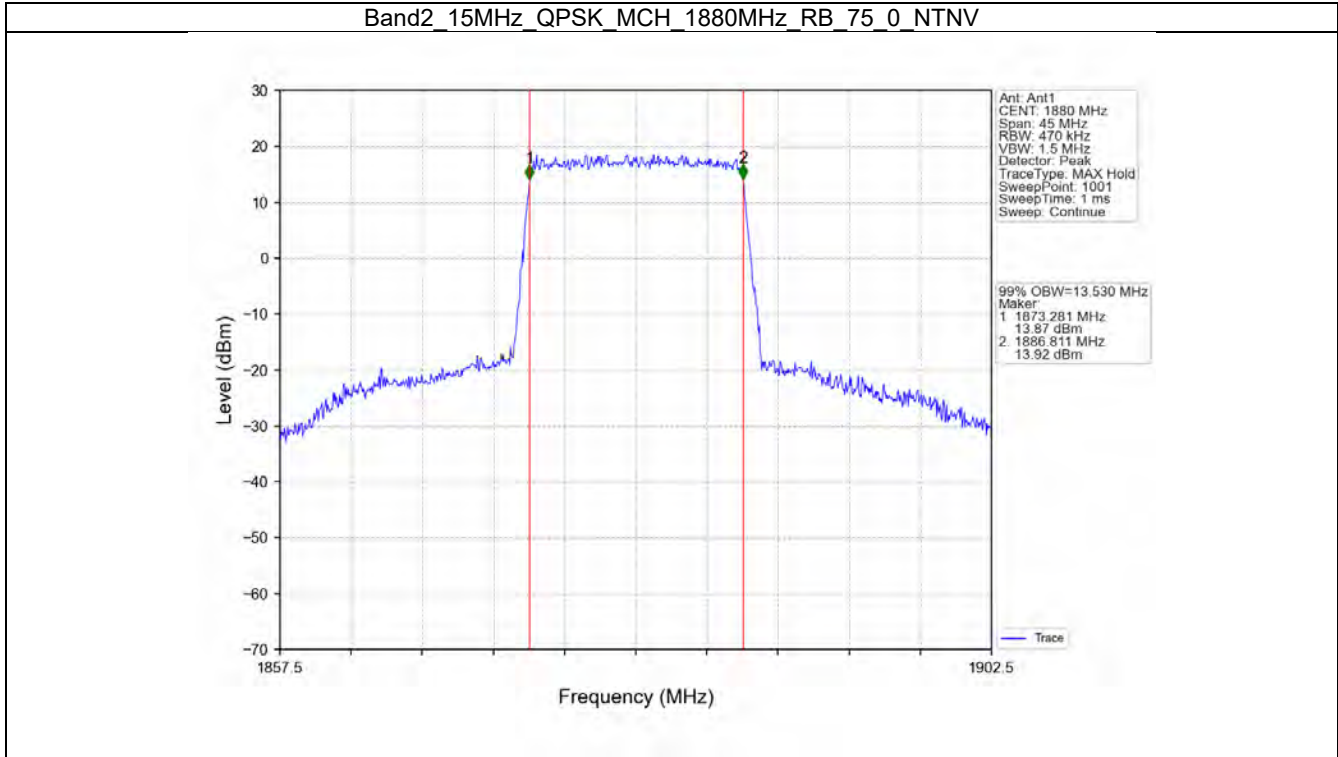
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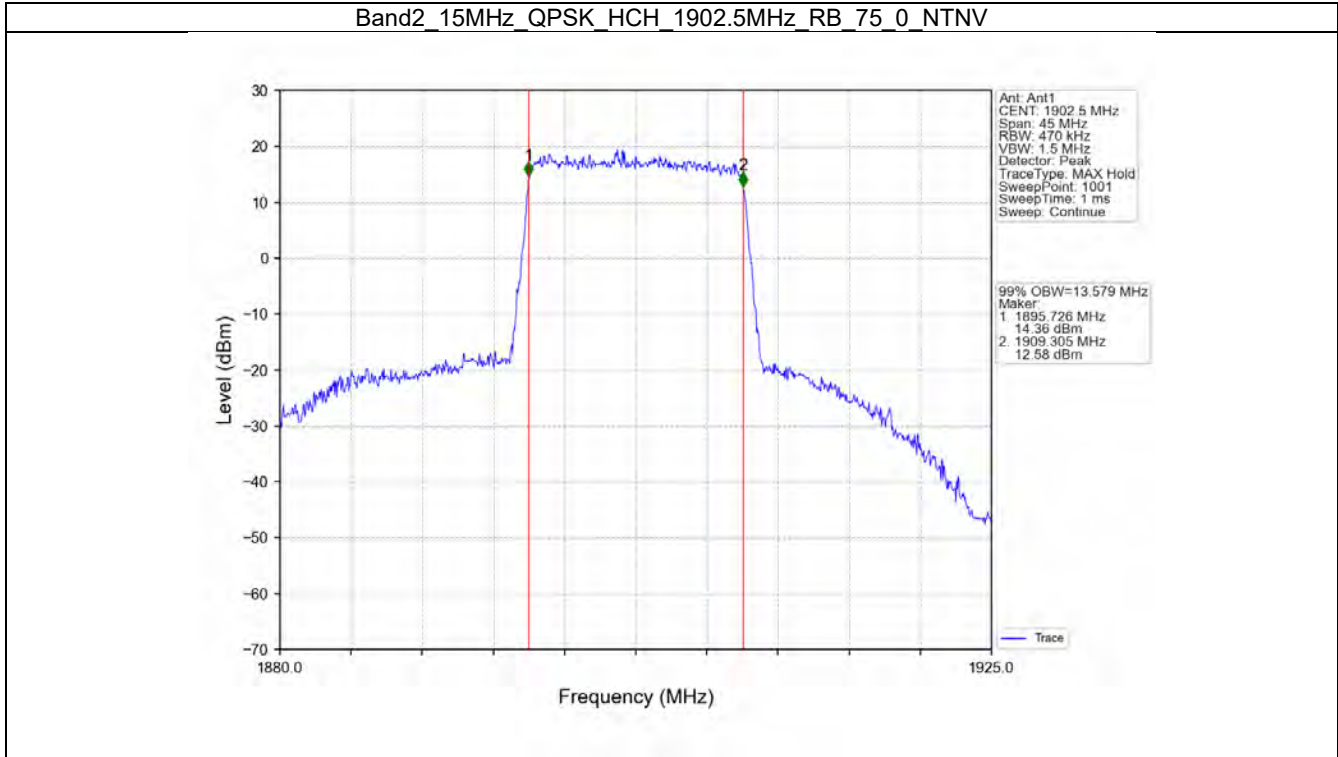
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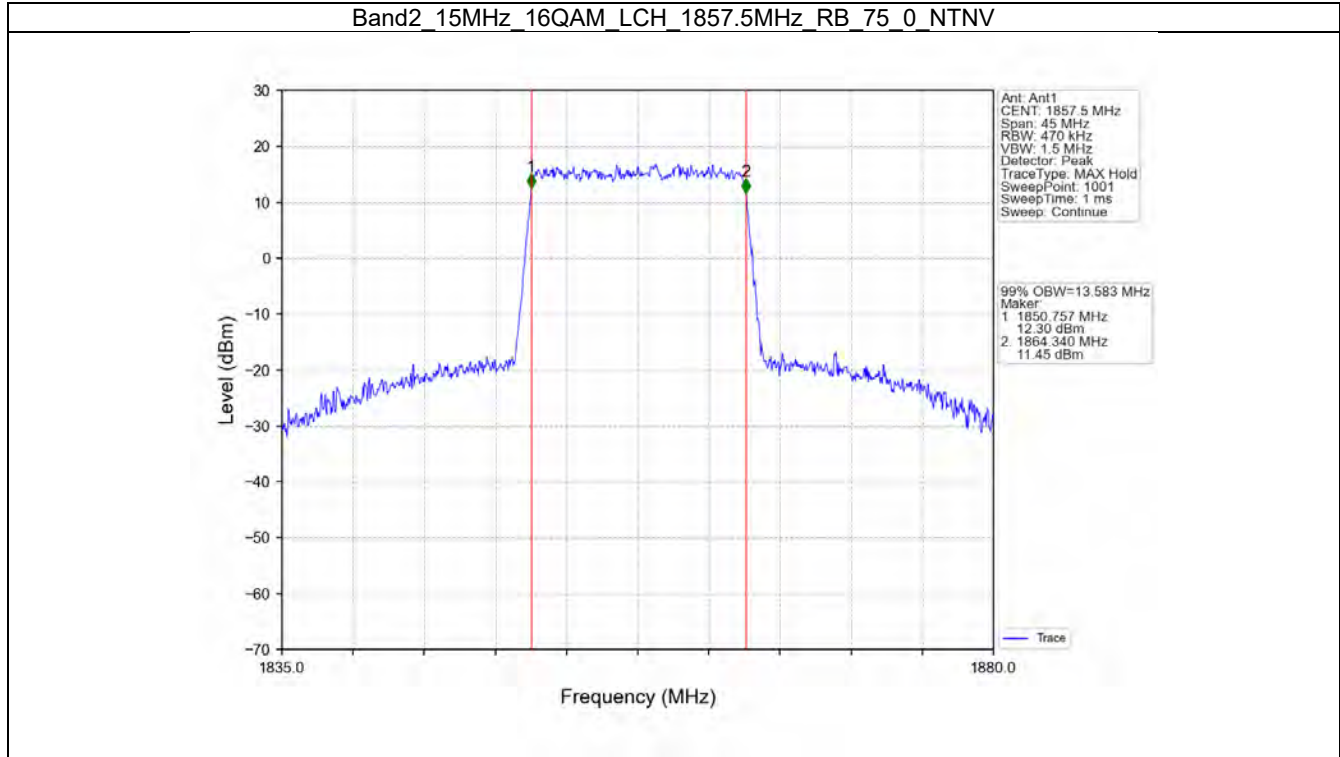
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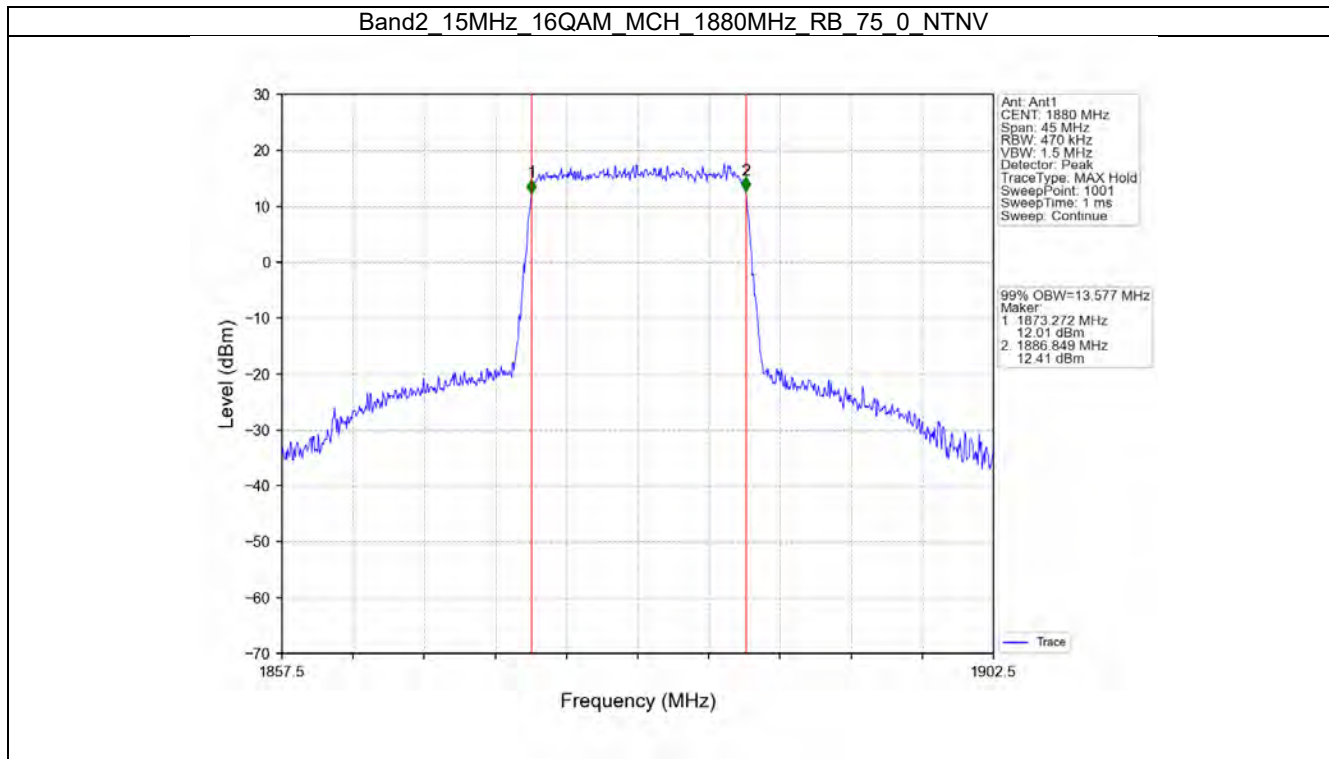


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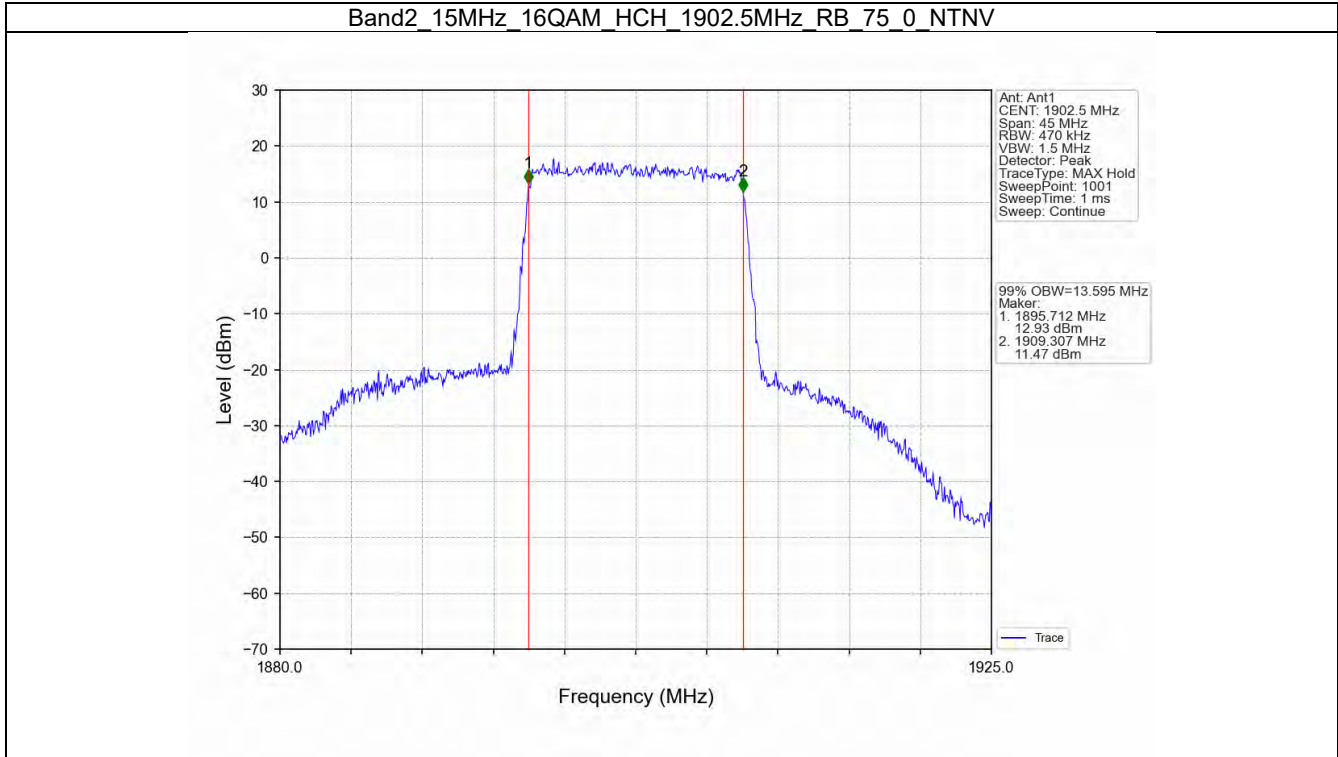
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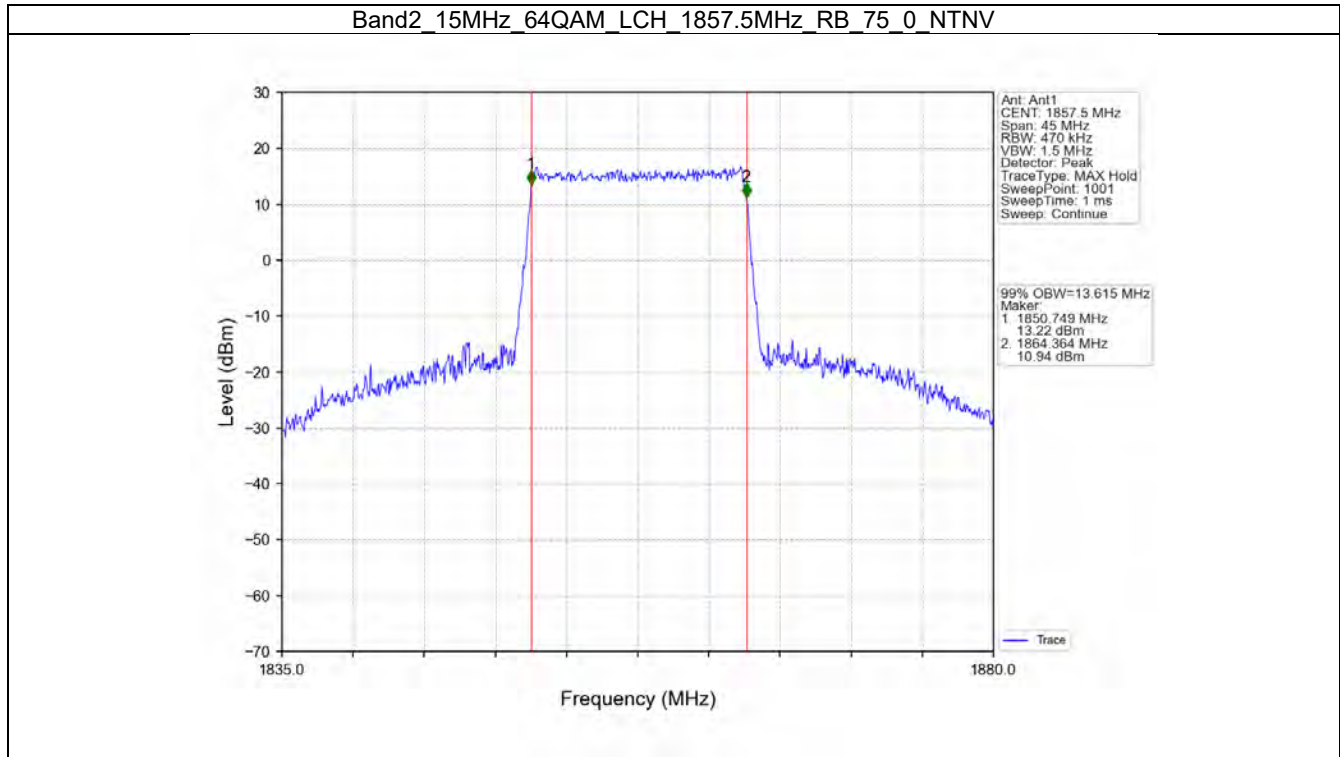


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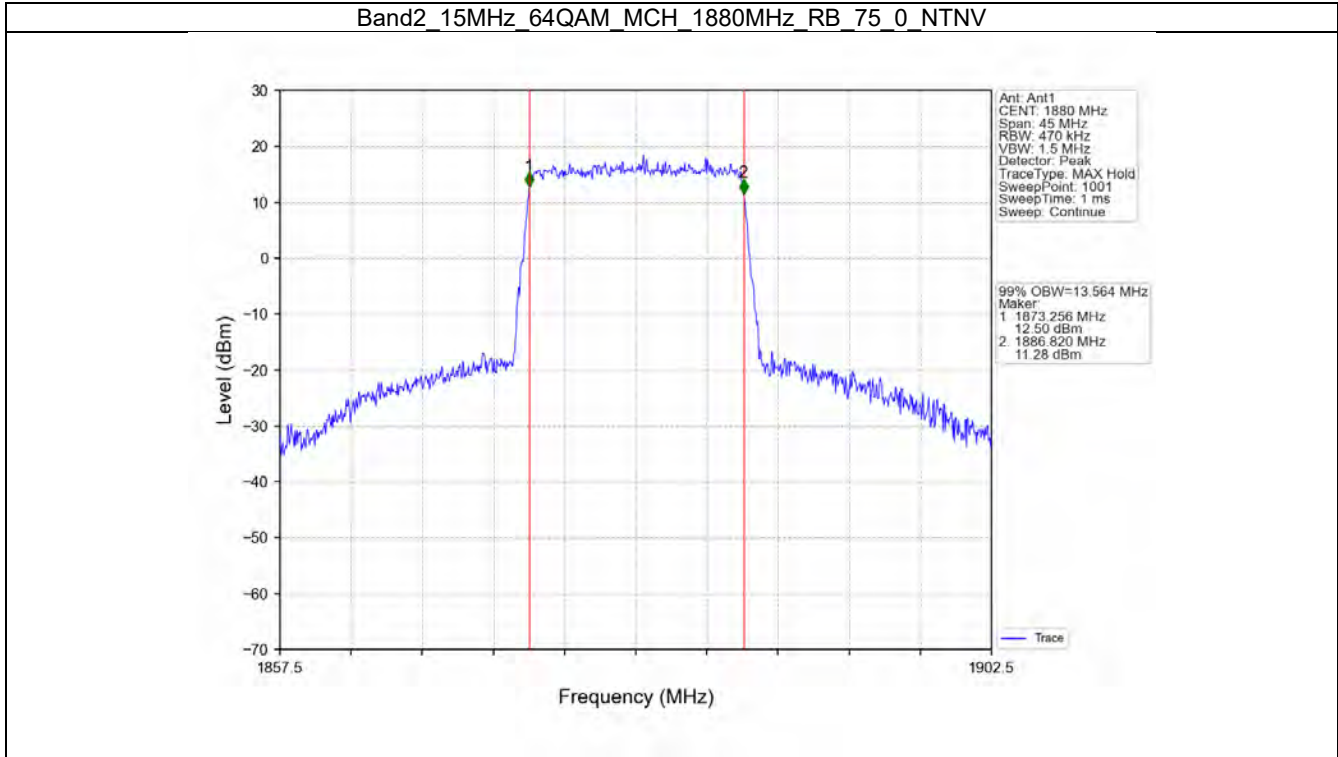
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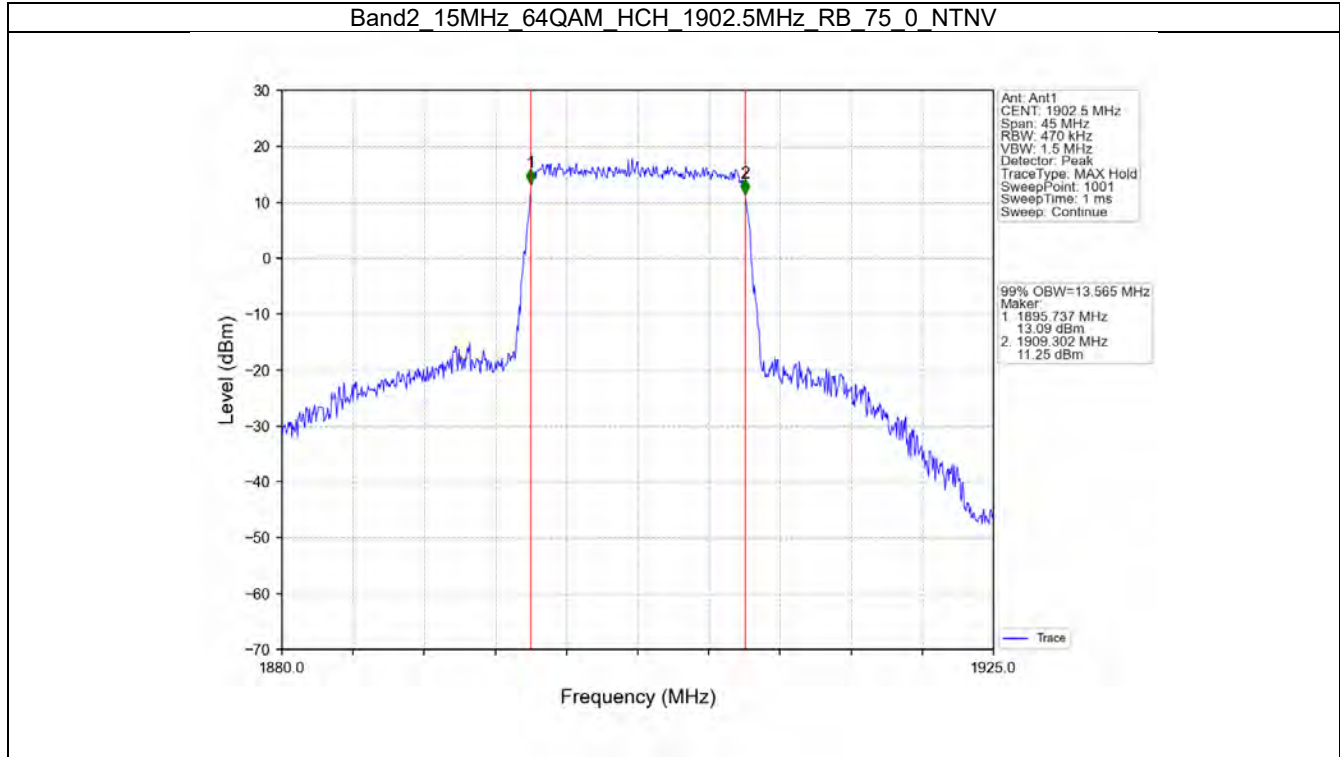
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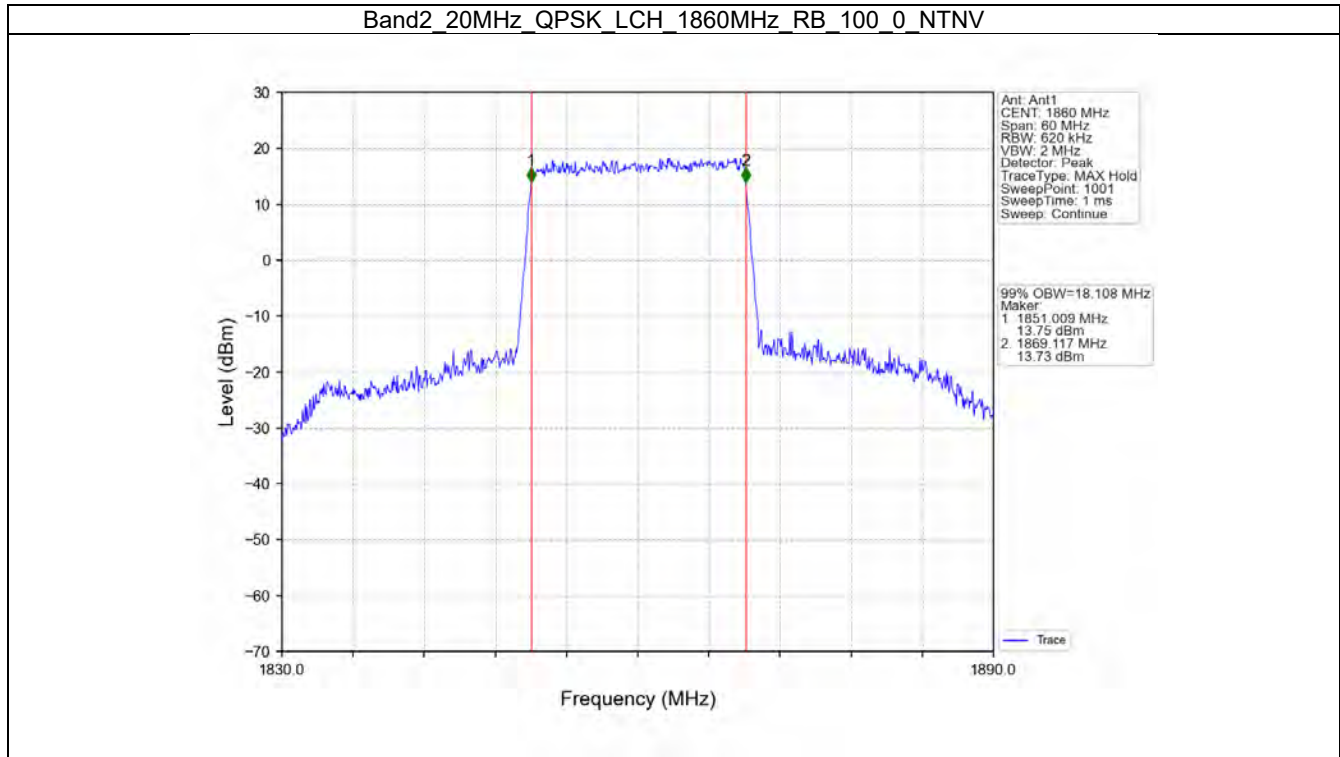


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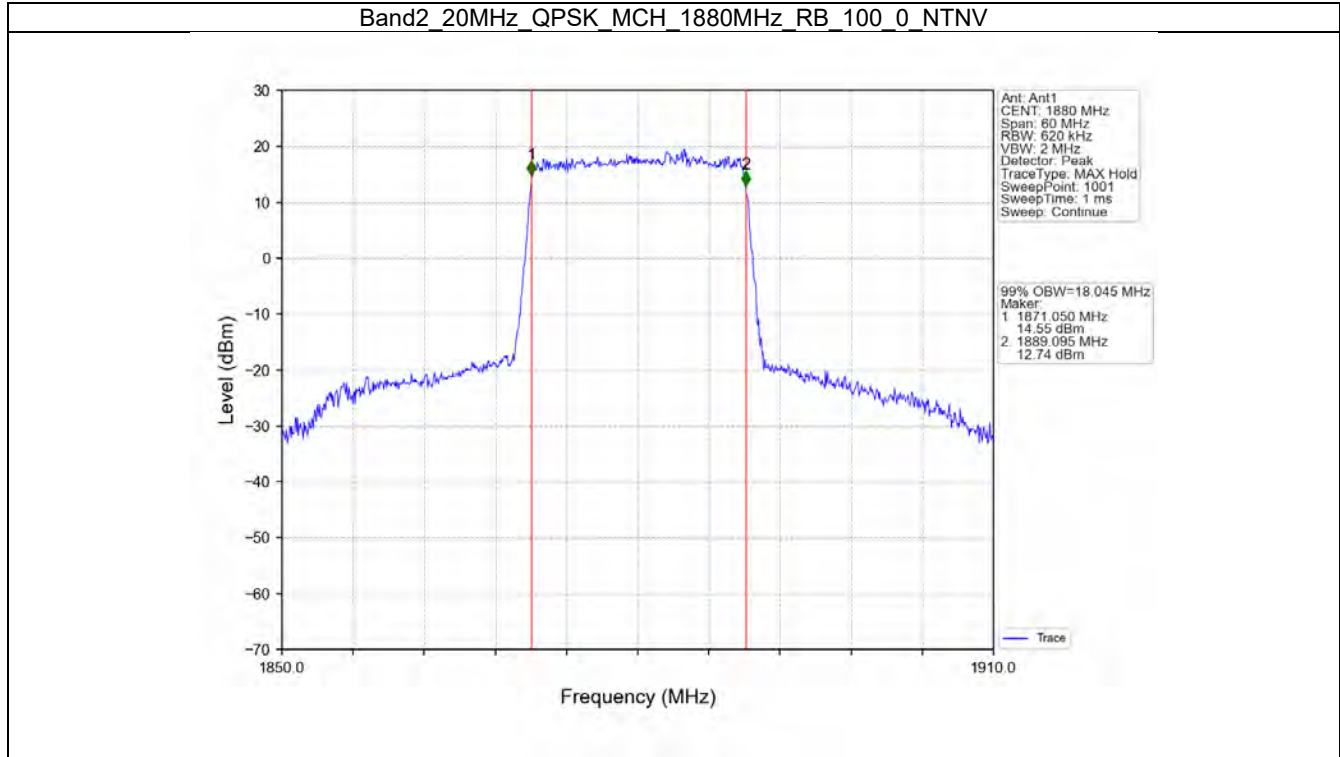
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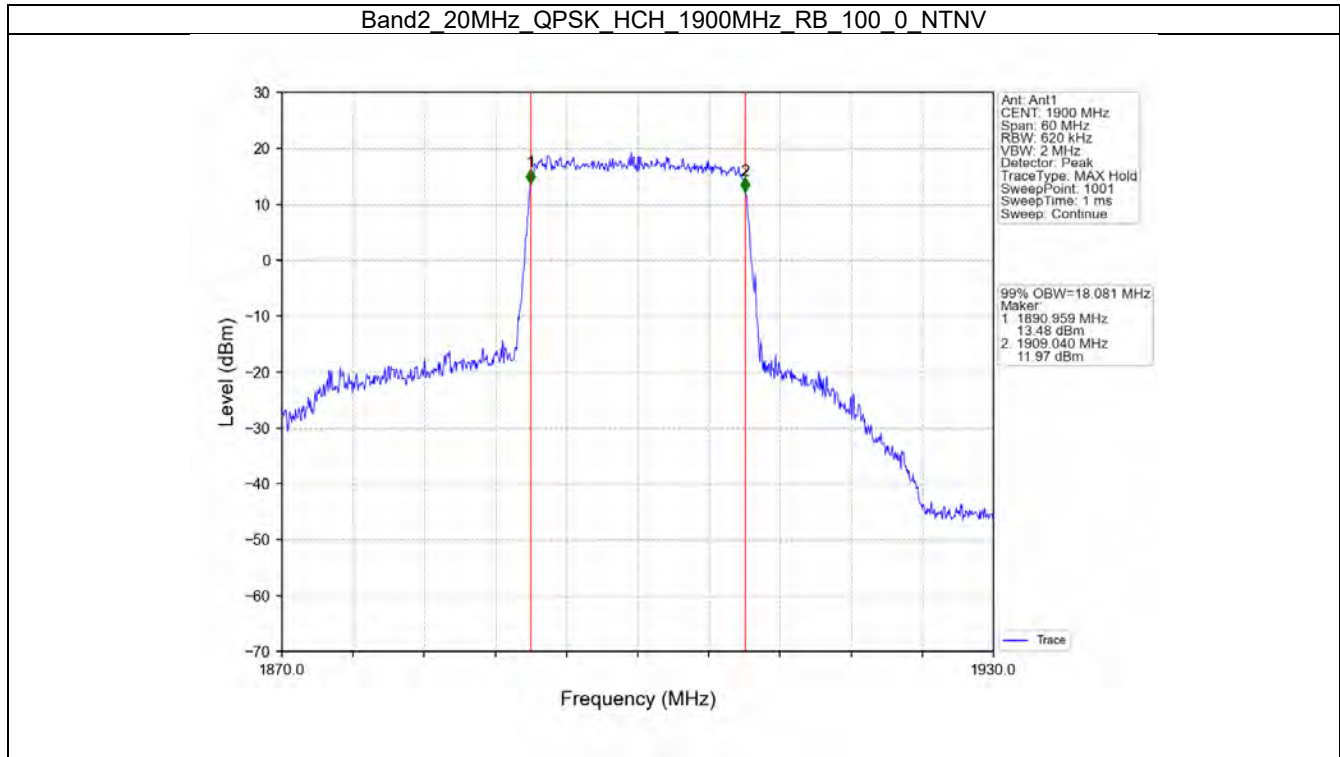
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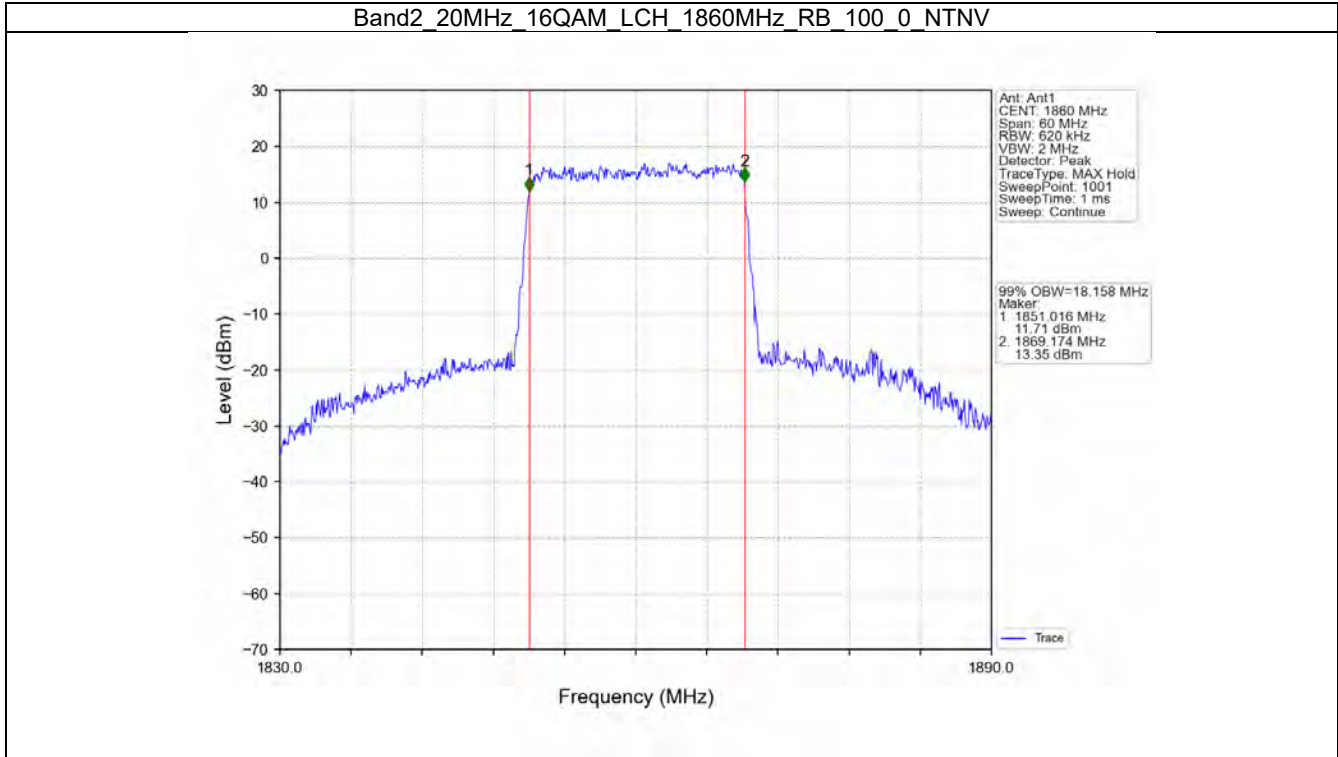
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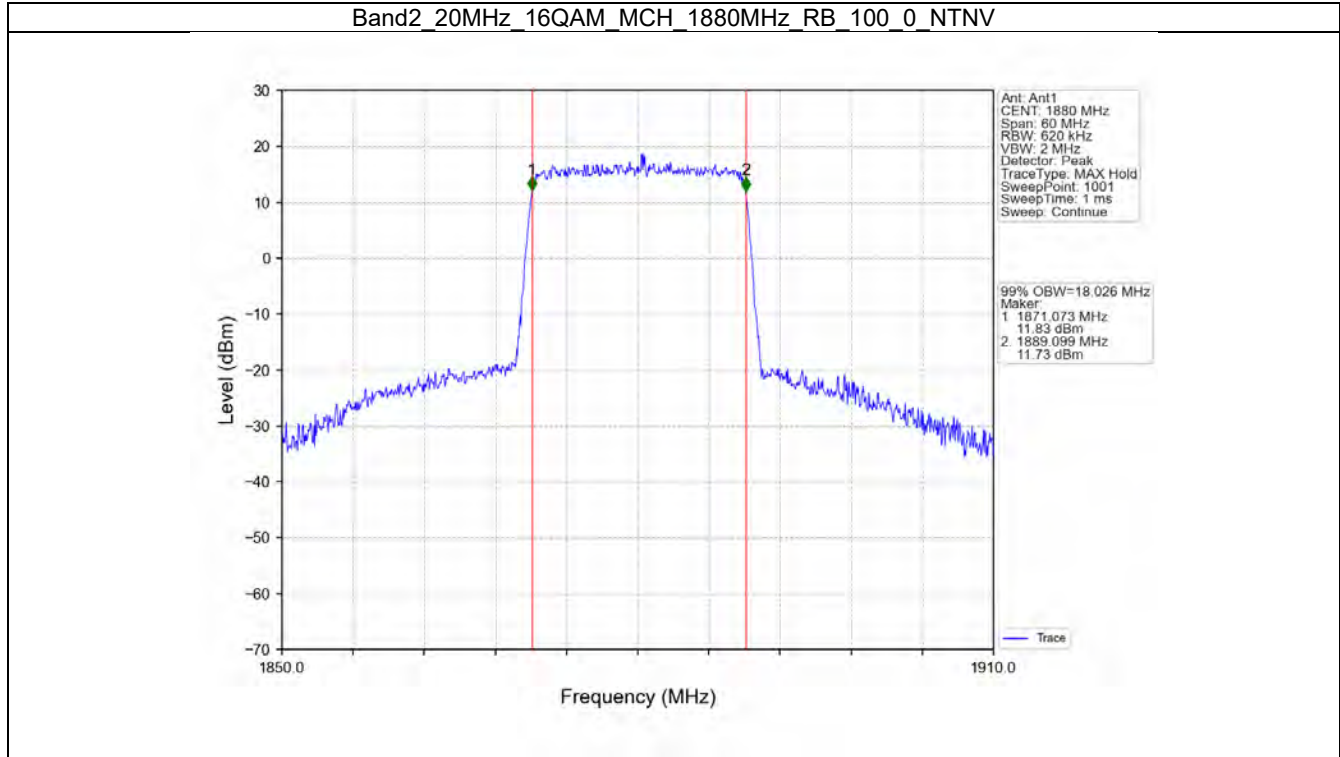
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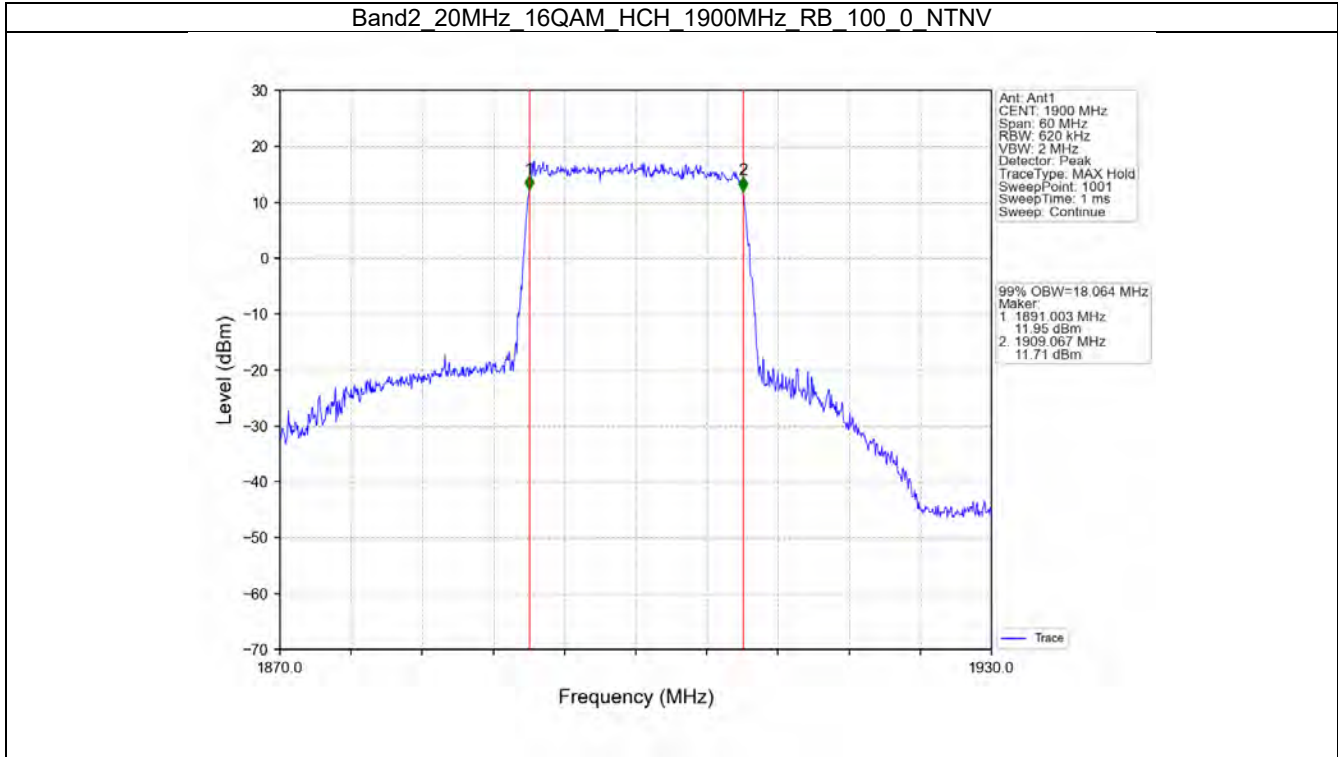
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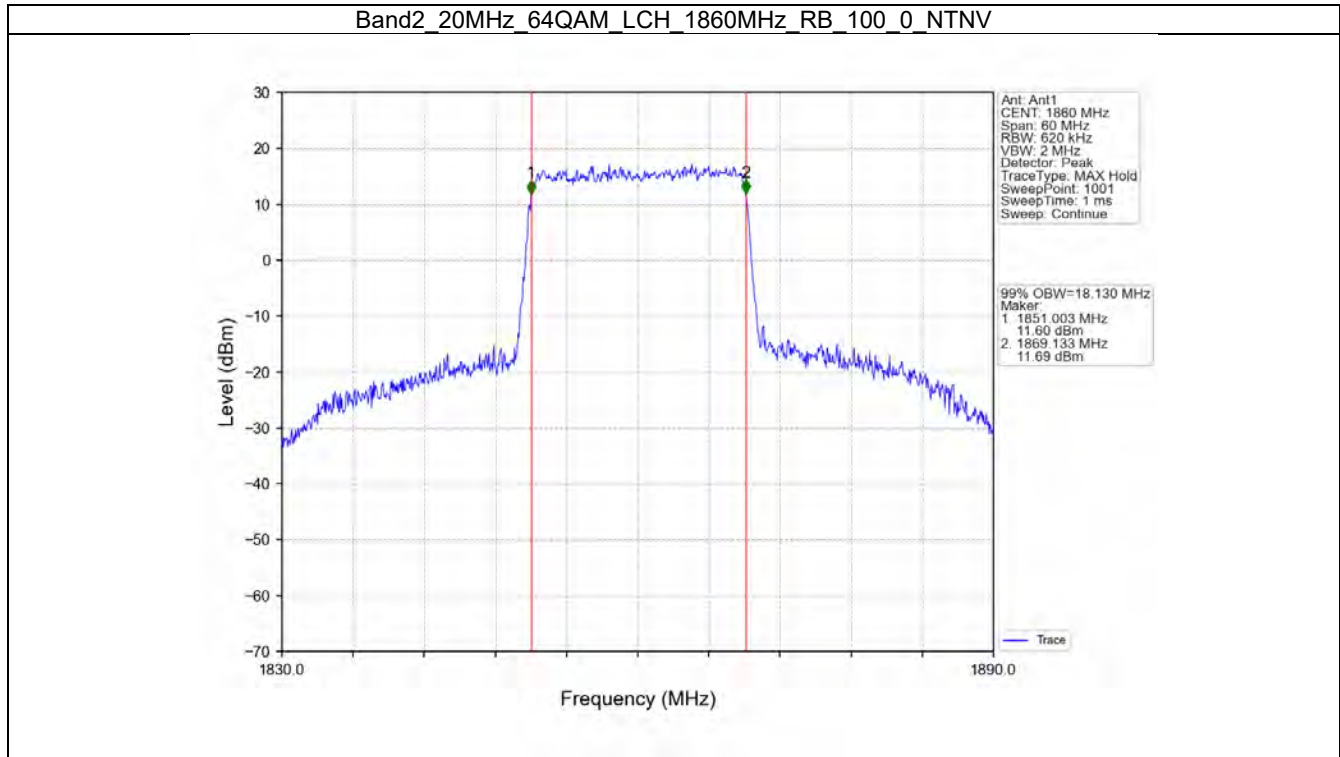
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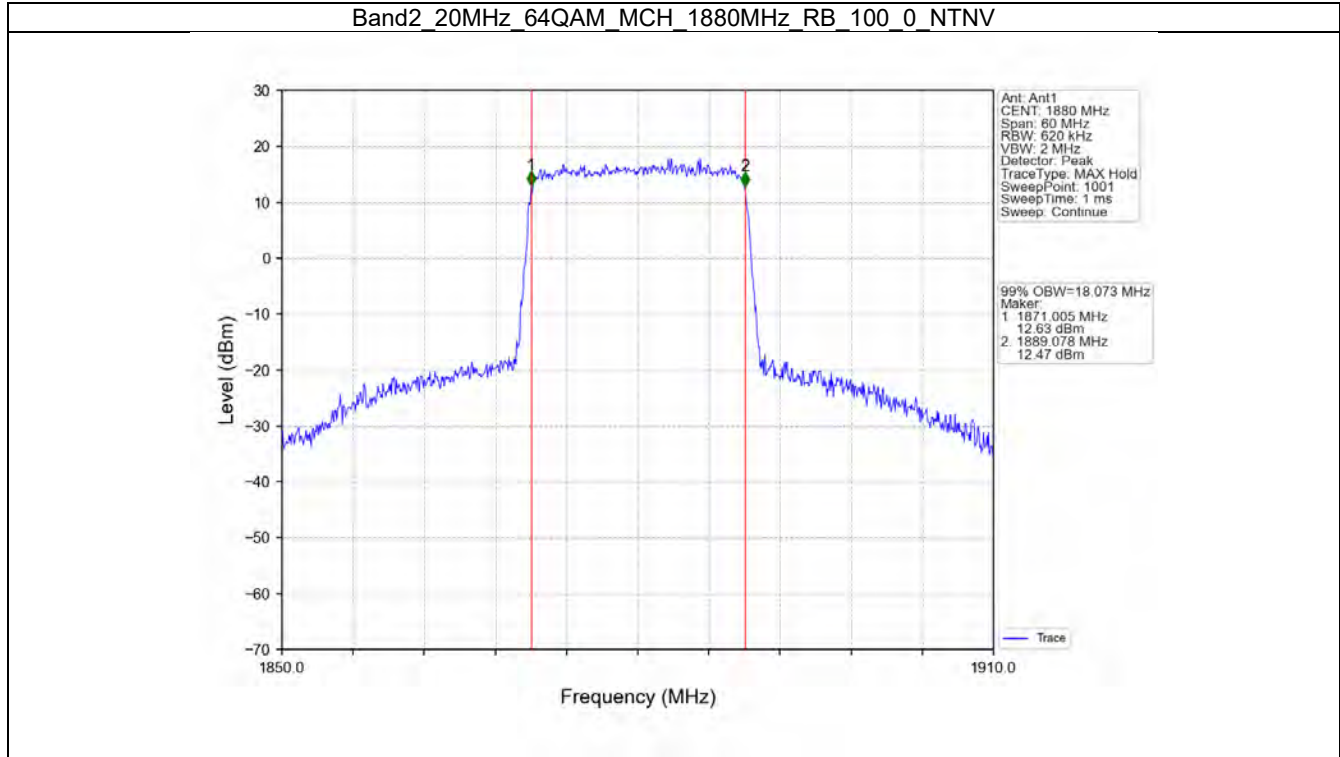
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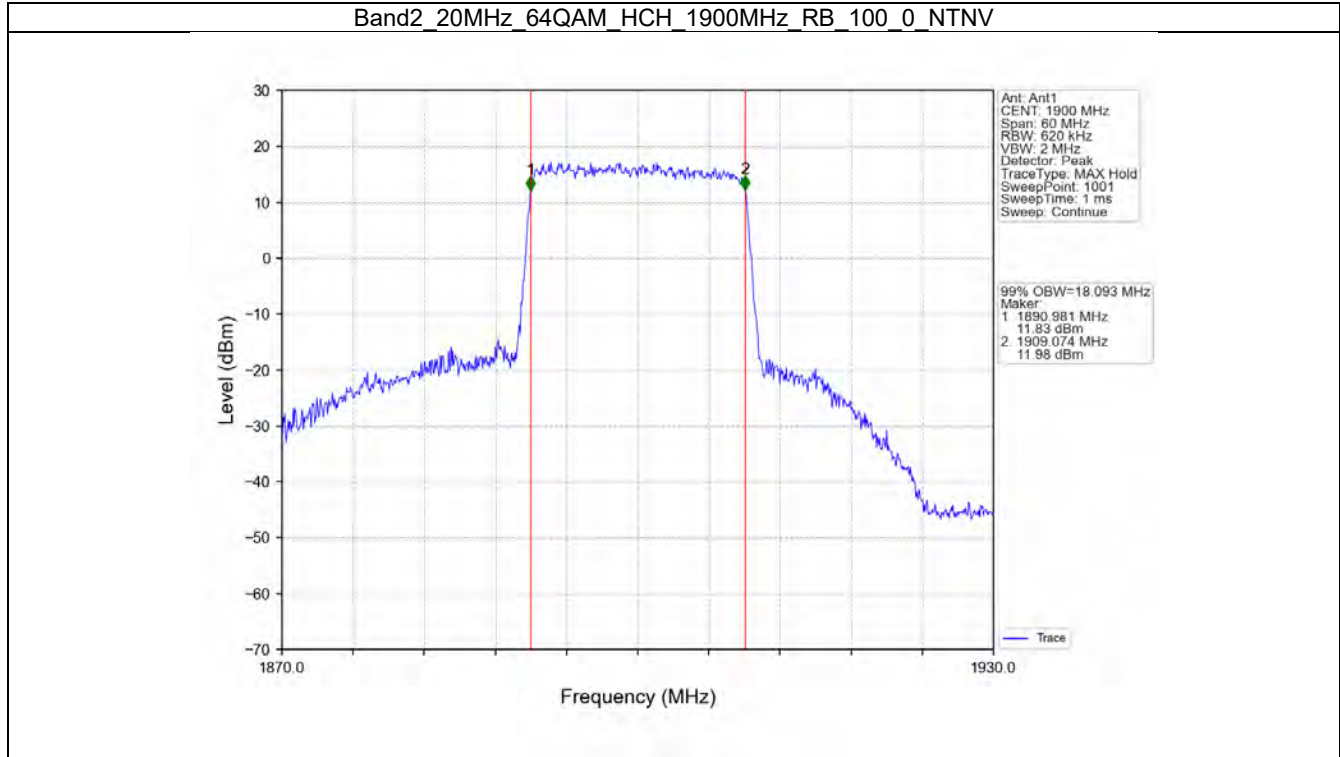
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## 3.2 Band2\_XDB

### 3.2.1 Test Result

Band: 2 / NTV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
1.4	QPSK	1850.7	6	0	1.327	/	Pass
		1880	6	0	1.331	/	Pass
		1909.3	6	0	1.308	/	Pass
	16QAM	1850.7	6	0	1.314	/	Pass
		1880	6	0	1.308	/	Pass
		1909.3	6	0	1.331	/	Pass
	64QAM	1850.7	6	0	1.334	/	Pass
		1880	6	0	1.354	/	Pass
		1909.3	6	0	1.353	/	Pass
3	QPSK	1851.5	15	0	3.038	/	Pass
		1880	15	0	3.019	/	Pass
		1908.5	15	0	3.028	/	Pass
	16QAM	1851.5	15	0	3.014	/	Pass
		1880	15	0	3.026	/	Pass
		1908.5	15	0	3.030	/	Pass
	64QAM	1851.5	15	0	3.034	/	Pass
		1880	15	0	3.020	/	Pass
		1908.5	15	0	3.033	/	Pass
5	QPSK	1852.5	25	0	5.020	/	Pass
		1880	25	0	5.059	/	Pass
		1907.5	25	0	5.050	/	Pass
	16QAM	1852.5	25	0	5.046	/	Pass
		1880	25	0	5.089	/	Pass
		1907.5	25	0	5.099	/	Pass
	64QAM	1852.5	25	0	5.032	/	Pass
		1880	25	0	5.076	/	Pass
		1907.5	25	0	5.062	/	Pass
10	QPSK	1855	50	0	9.914	/	Pass
		1880	50	0	9.971	/	Pass
		1905	50	0	9.995	/	Pass
	16QAM	1855	50	0	10.016	/	Pass
		1880	50	0	9.955	/	Pass
		1905	50	0	9.970	/	Pass
	64QAM	1855	50	0	9.973	/	Pass
		1880	50	0	9.967	/	Pass
		1905	50	0	10.011	/	Pass
15	QPSK	1857.5	75	0	15.039	/	Pass
		1880	75	0	14.929	/	Pass
		1902.5	75	0	14.995	/	Pass



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	16QAM	1857.5	75	0	14.972	/	Pass
		1880	75	0	14.904	/	Pass
		1902.5	75	0	14.884	/	Pass
	64QAM	1857.5	75	0	15.072	/	Pass
		1880	75	0	14.964	/	Pass
		1902.5	75	0	14.933	/	Pass
20	QPSK	1860	100	0	19.810	/	Pass
		1880	100	0	19.769	/	Pass
		1900	100	0	19.772	/	Pass
	16QAM	1860	100	0	19.927	/	Pass
		1880	100	0	19.615	/	Pass
		1900	100	0	19.758	/	Pass
	64QAM	1860	100	0	19.904	/	Pass
		1880	100	0	19.738	/	Pass
		1900	100	0	19.723	/	Pass



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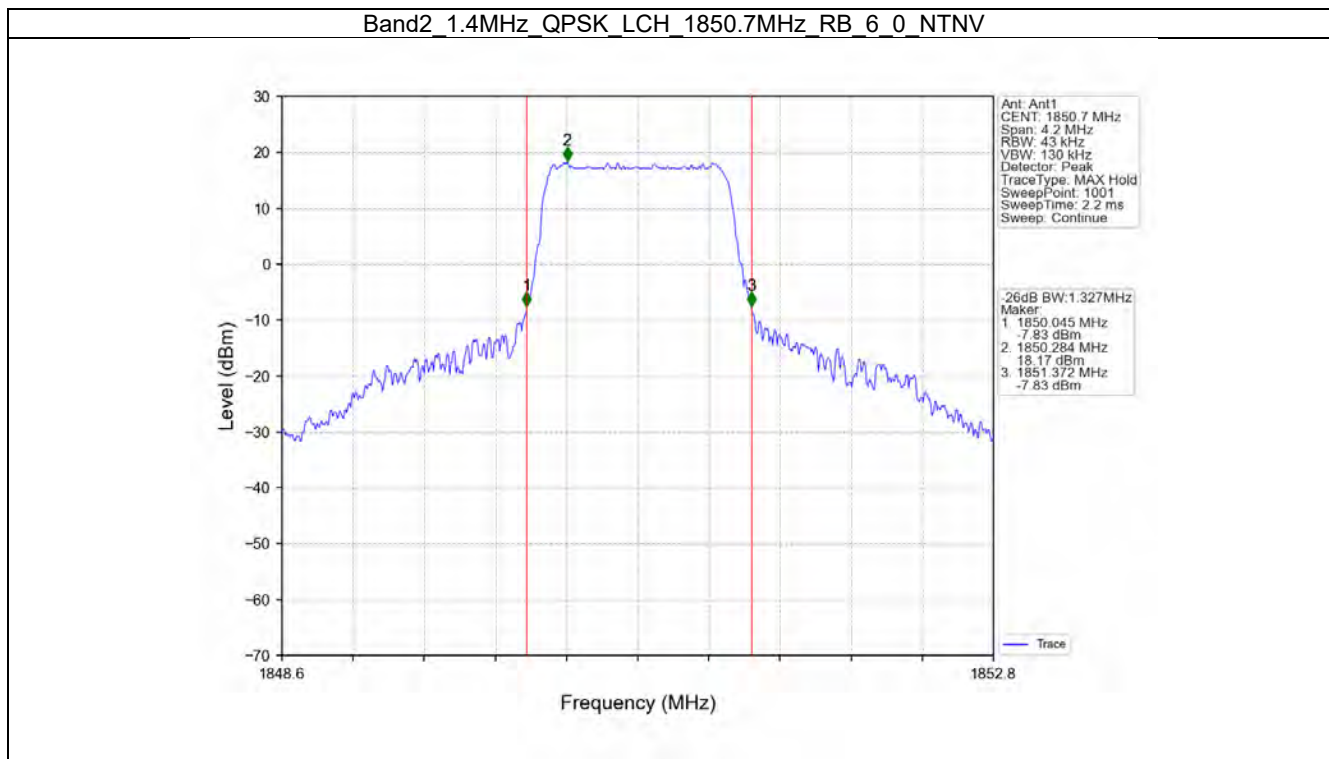
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3.2.2 Test Graph



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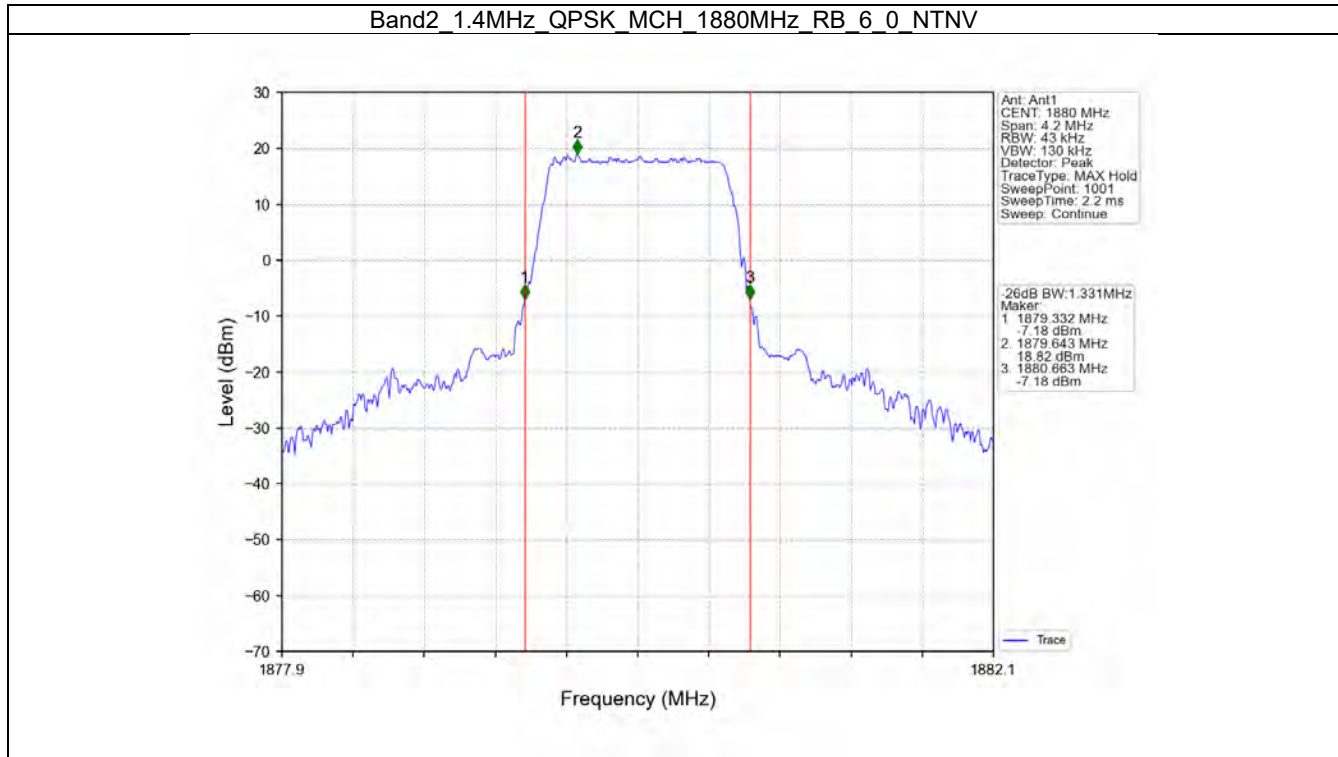


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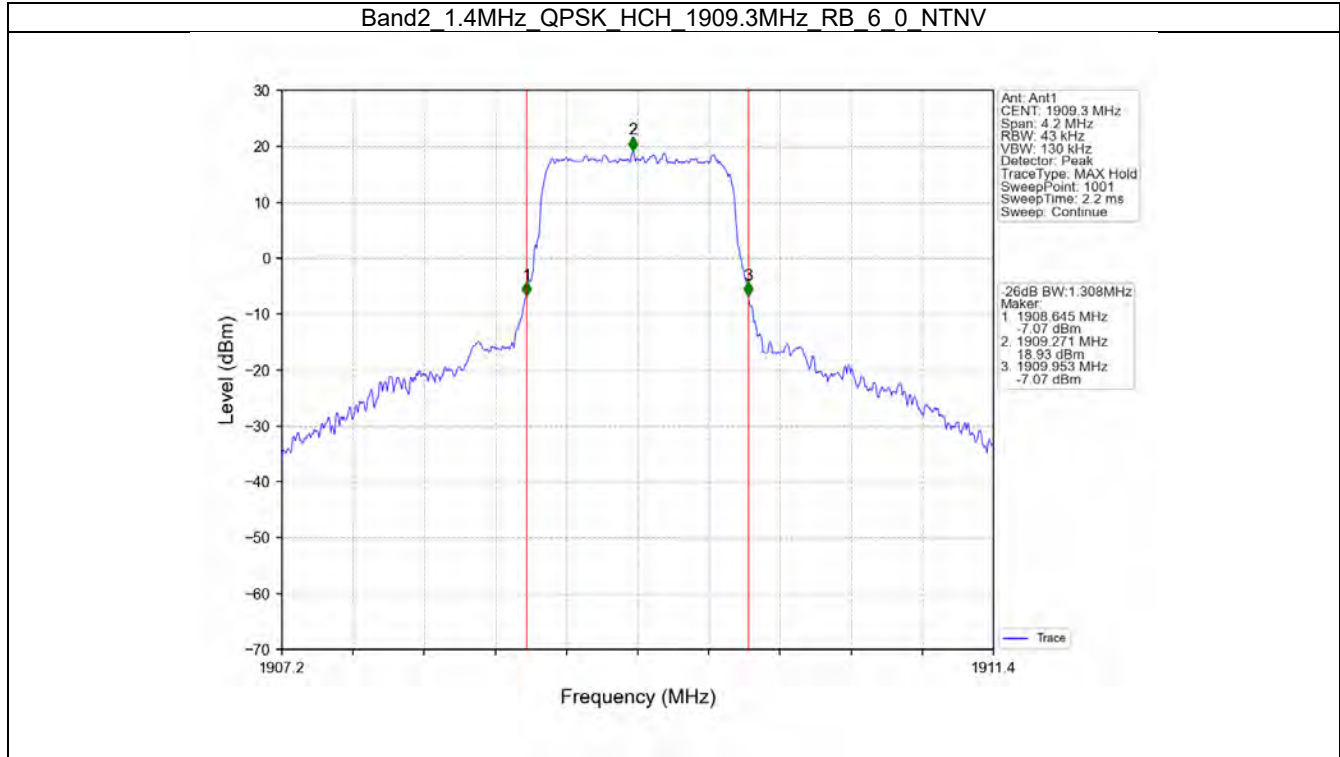
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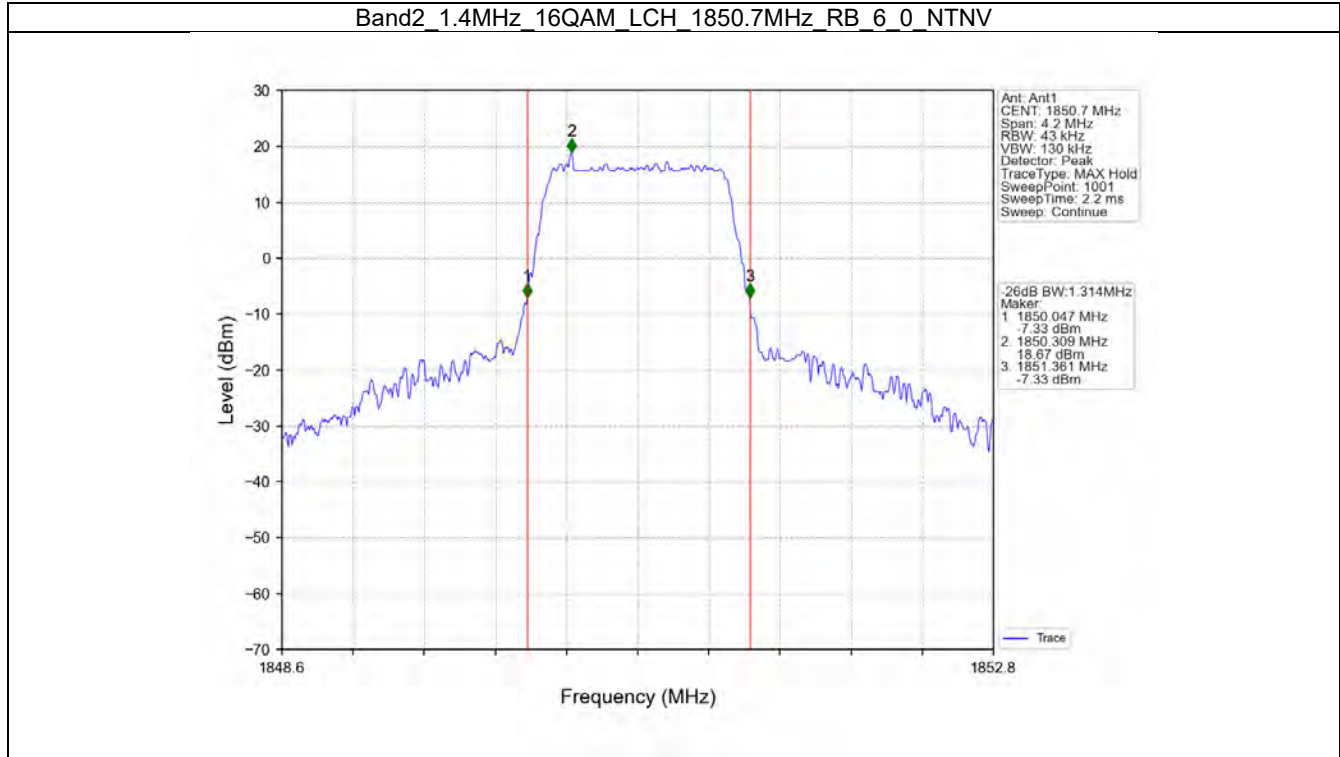
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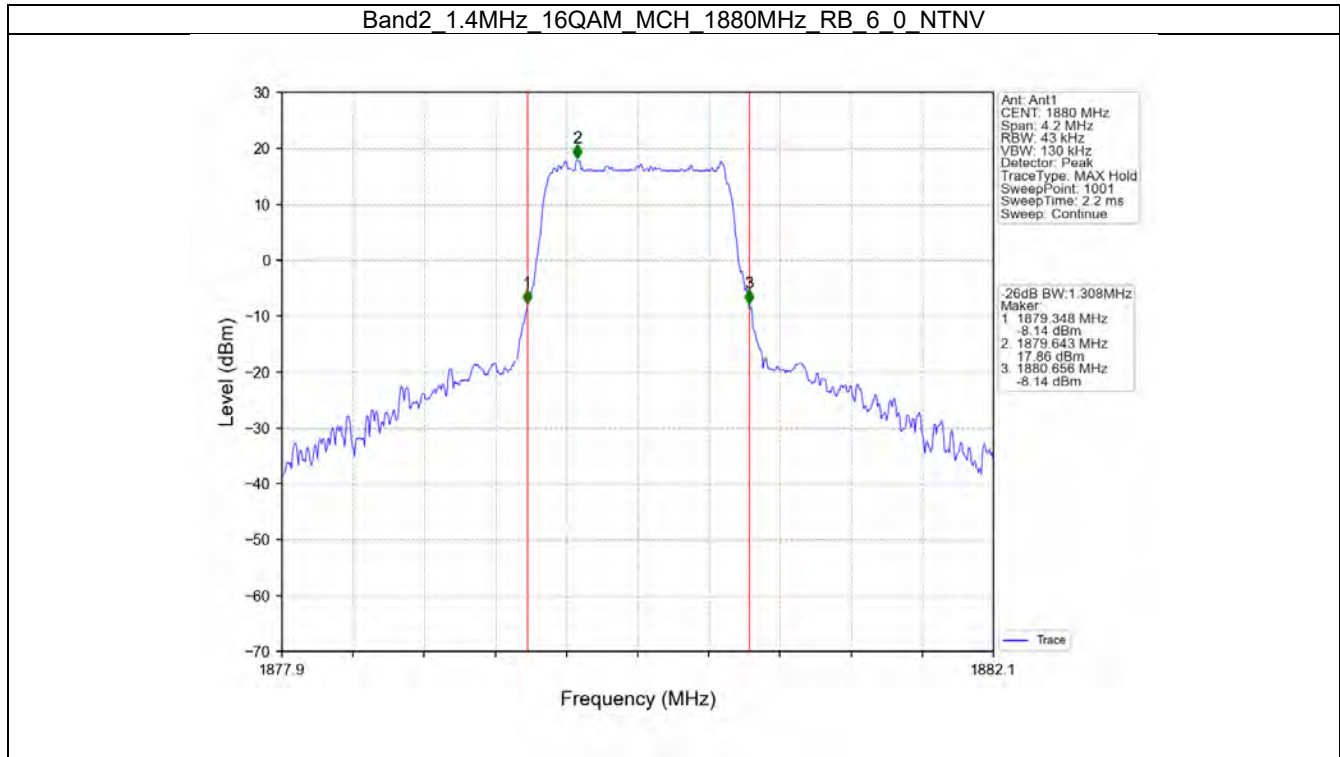


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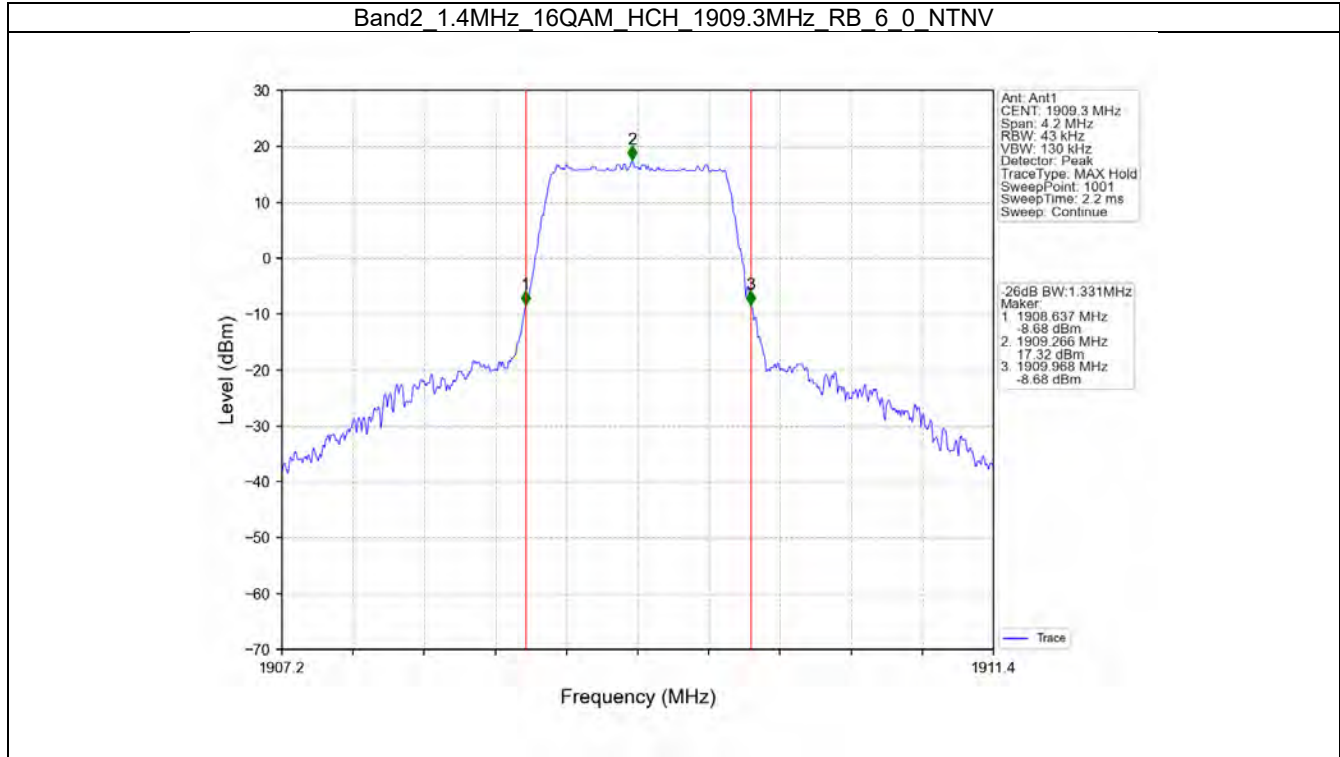
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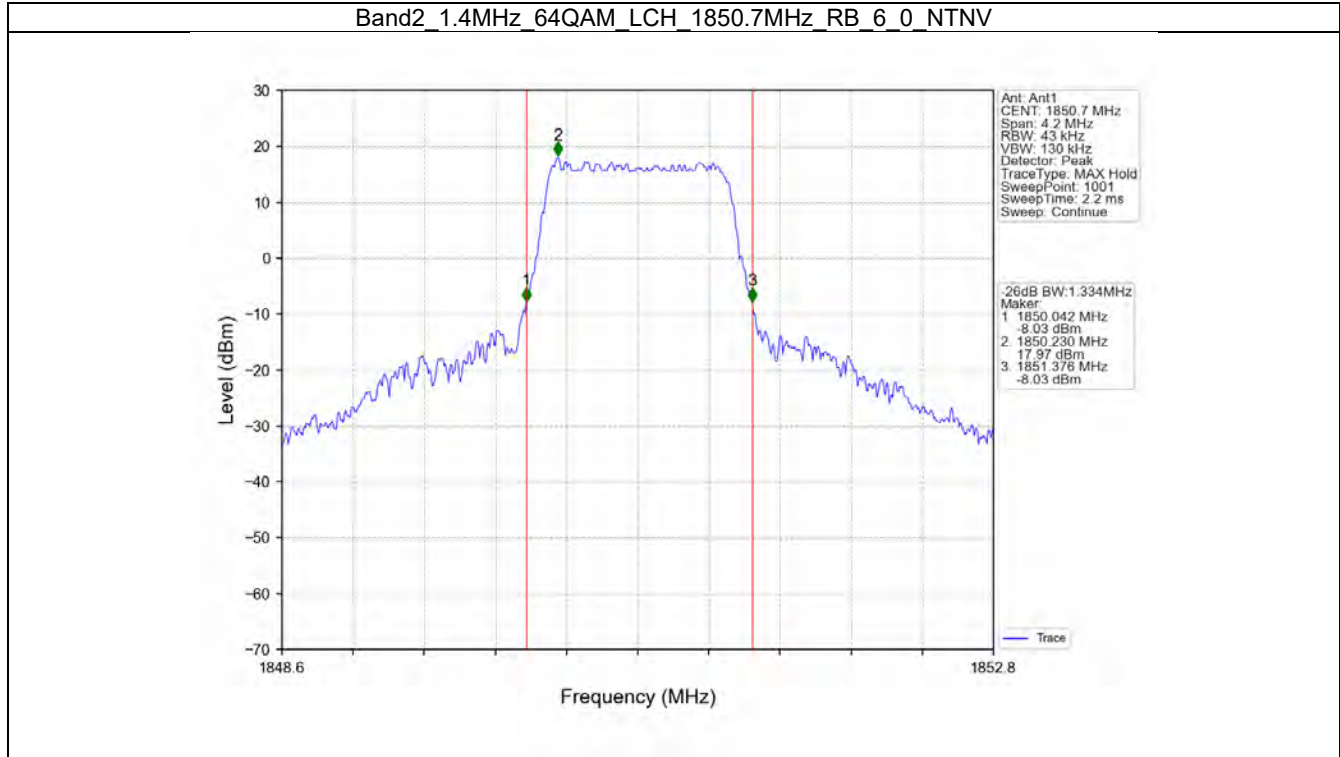
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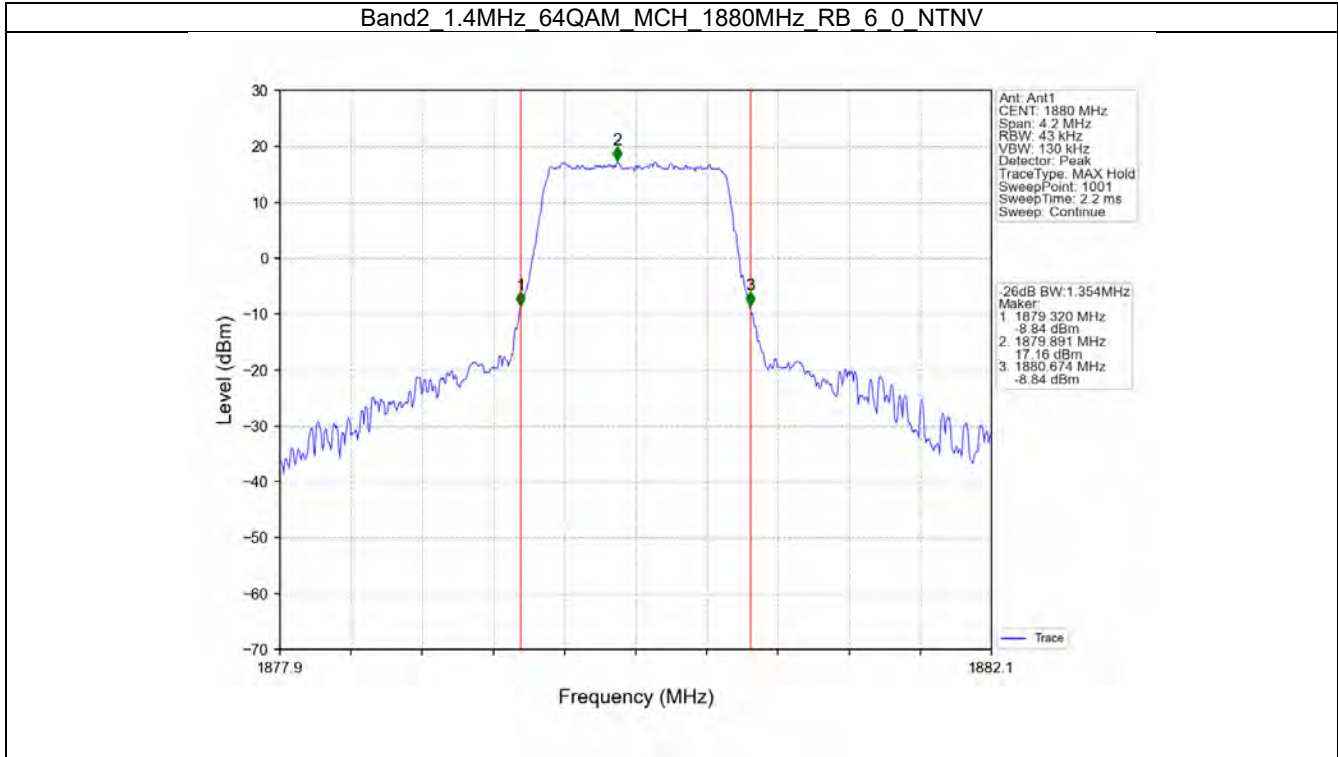
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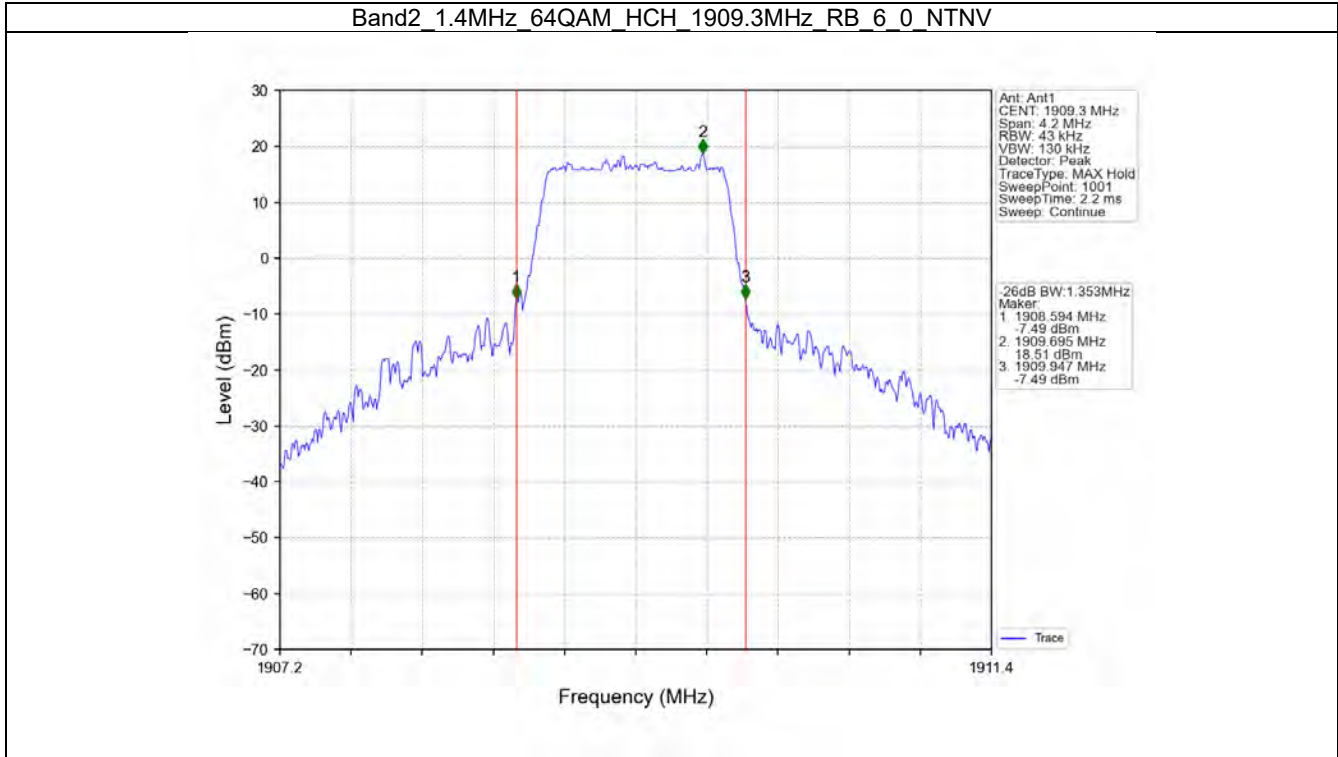
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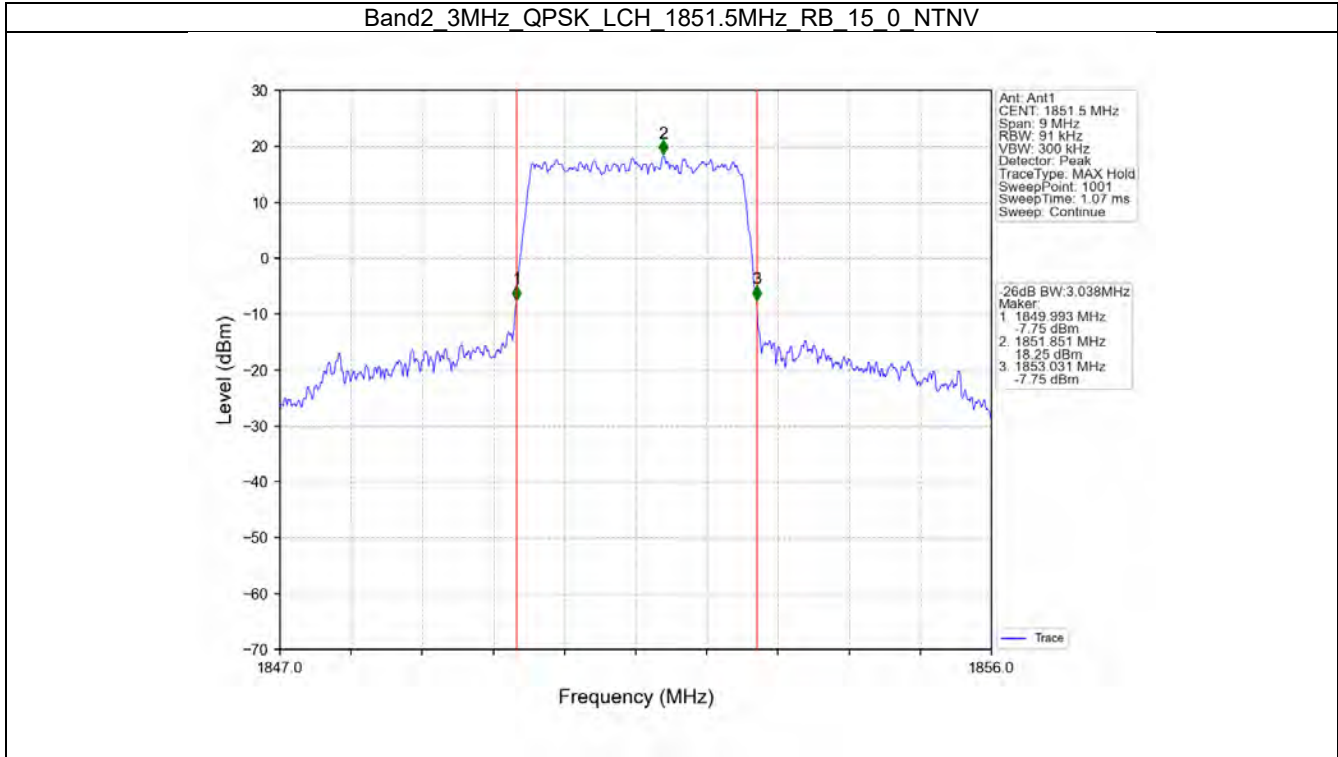
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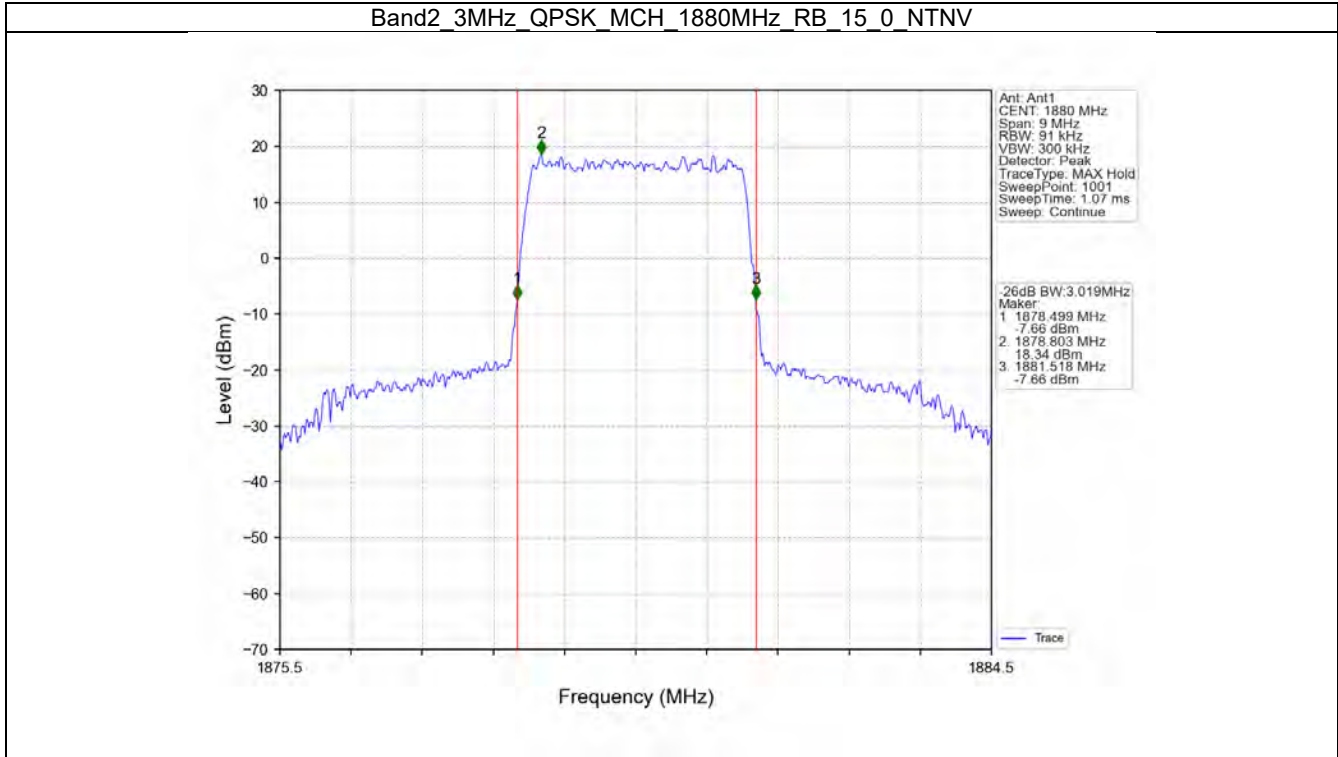
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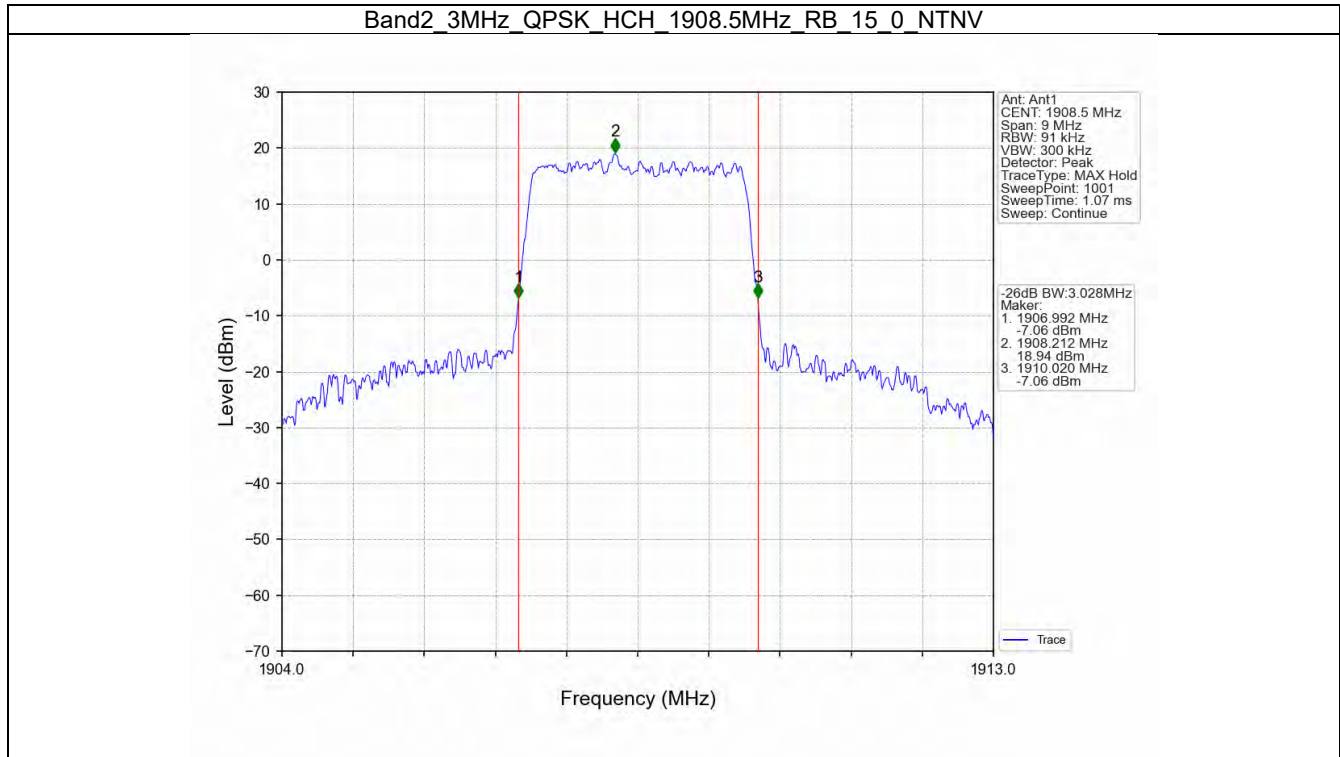


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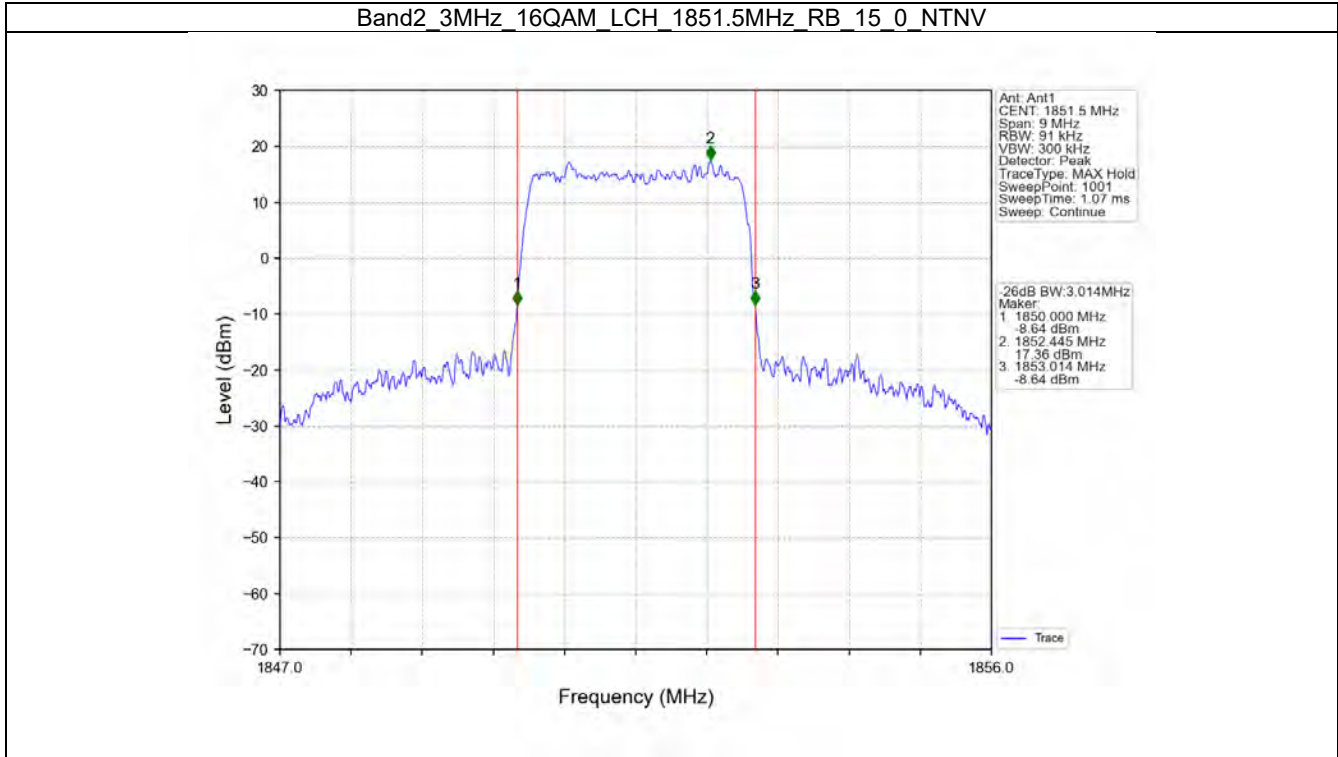
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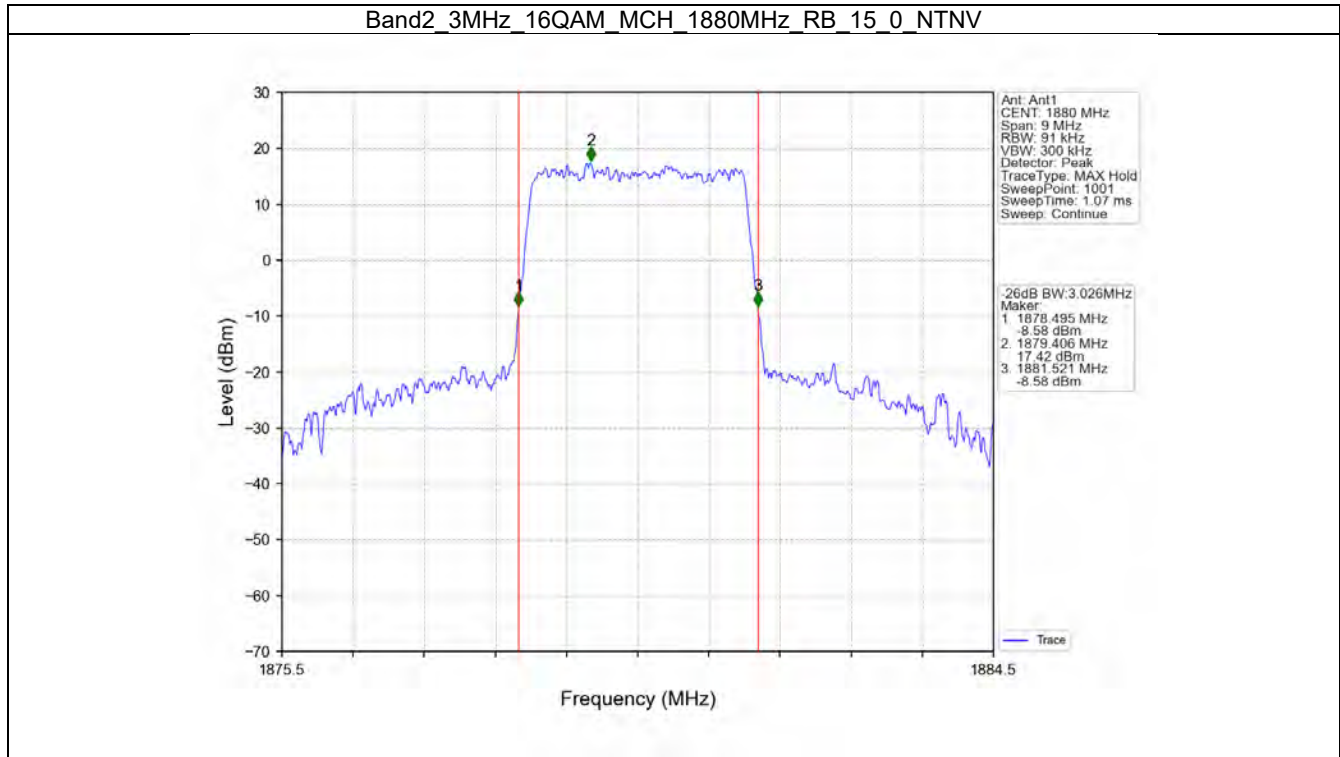


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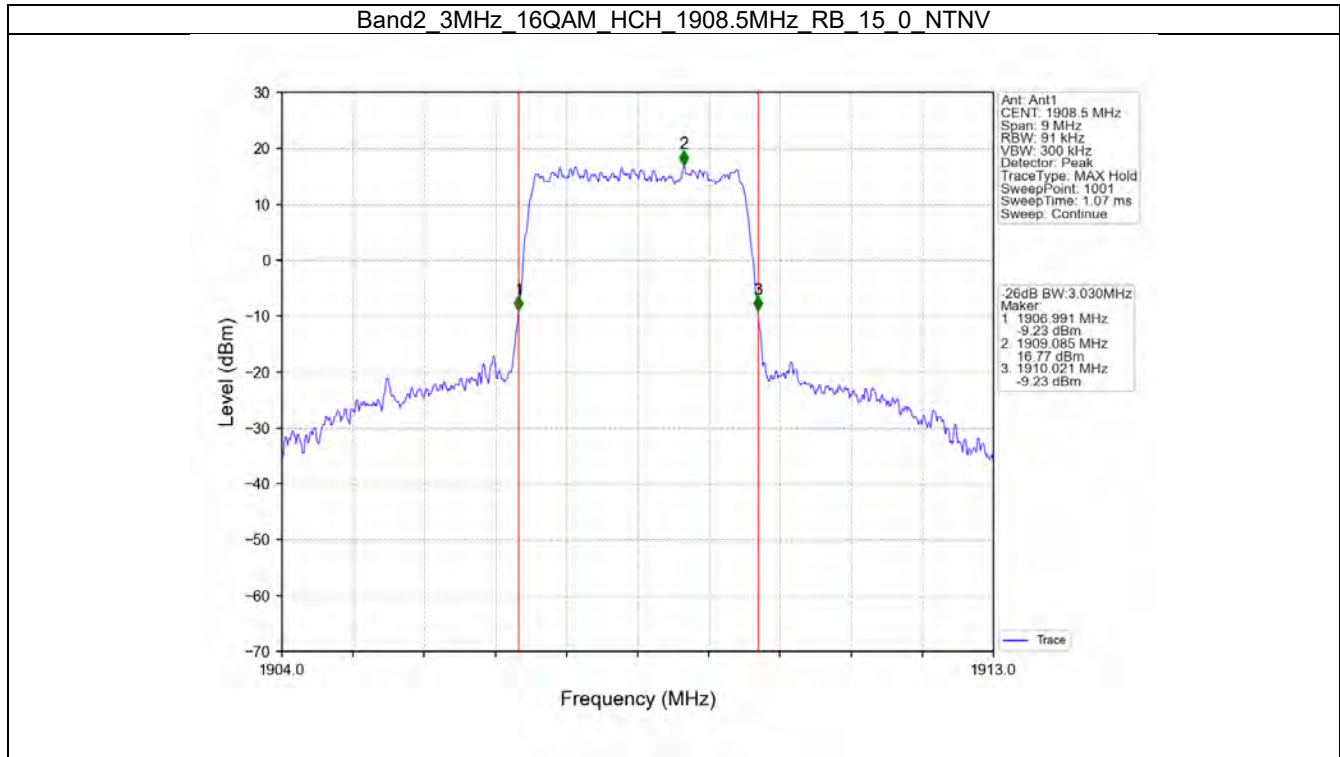


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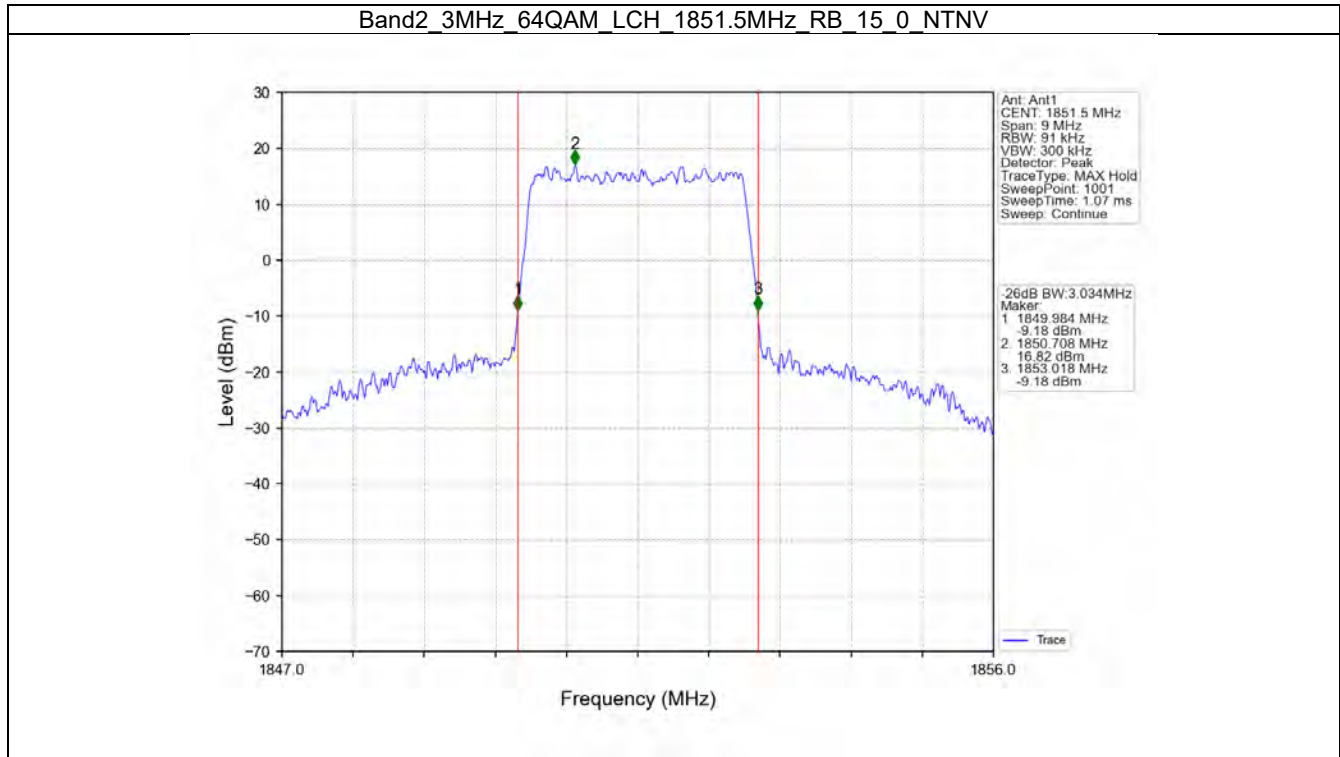
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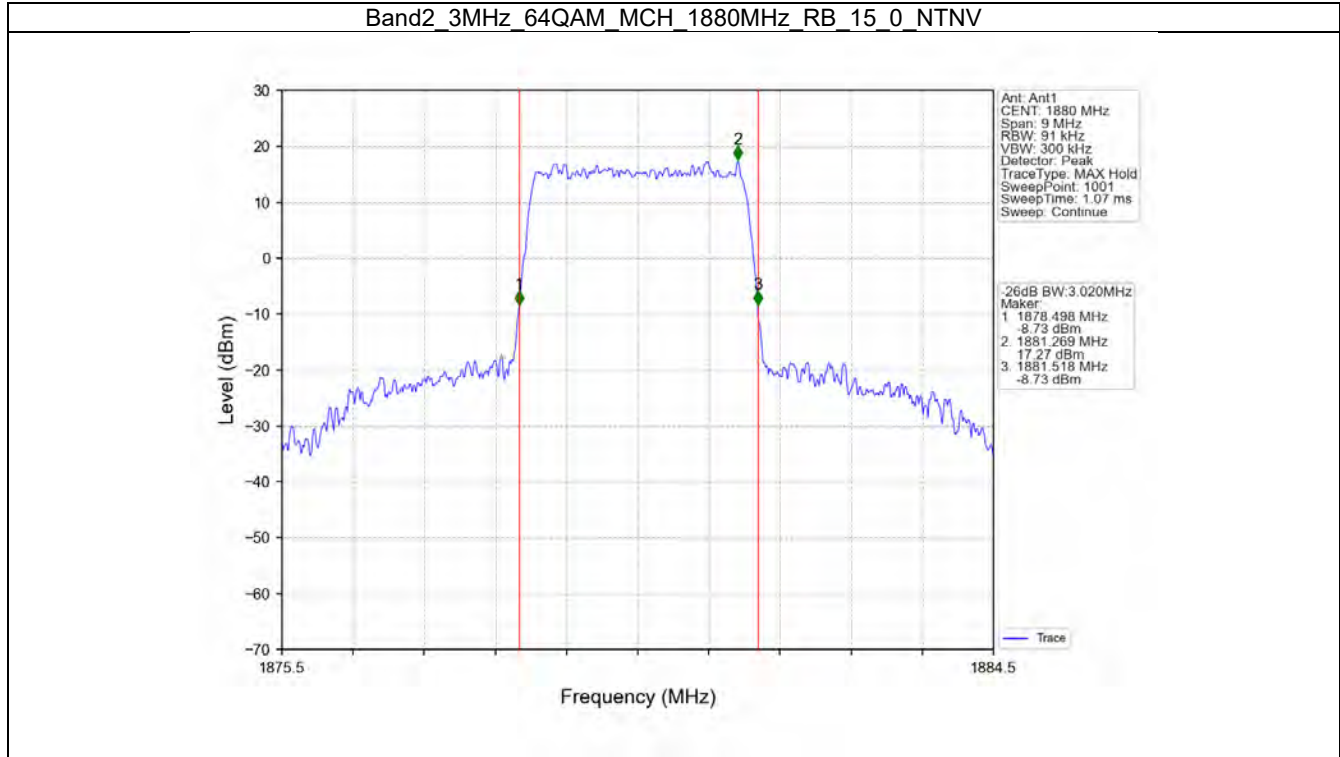
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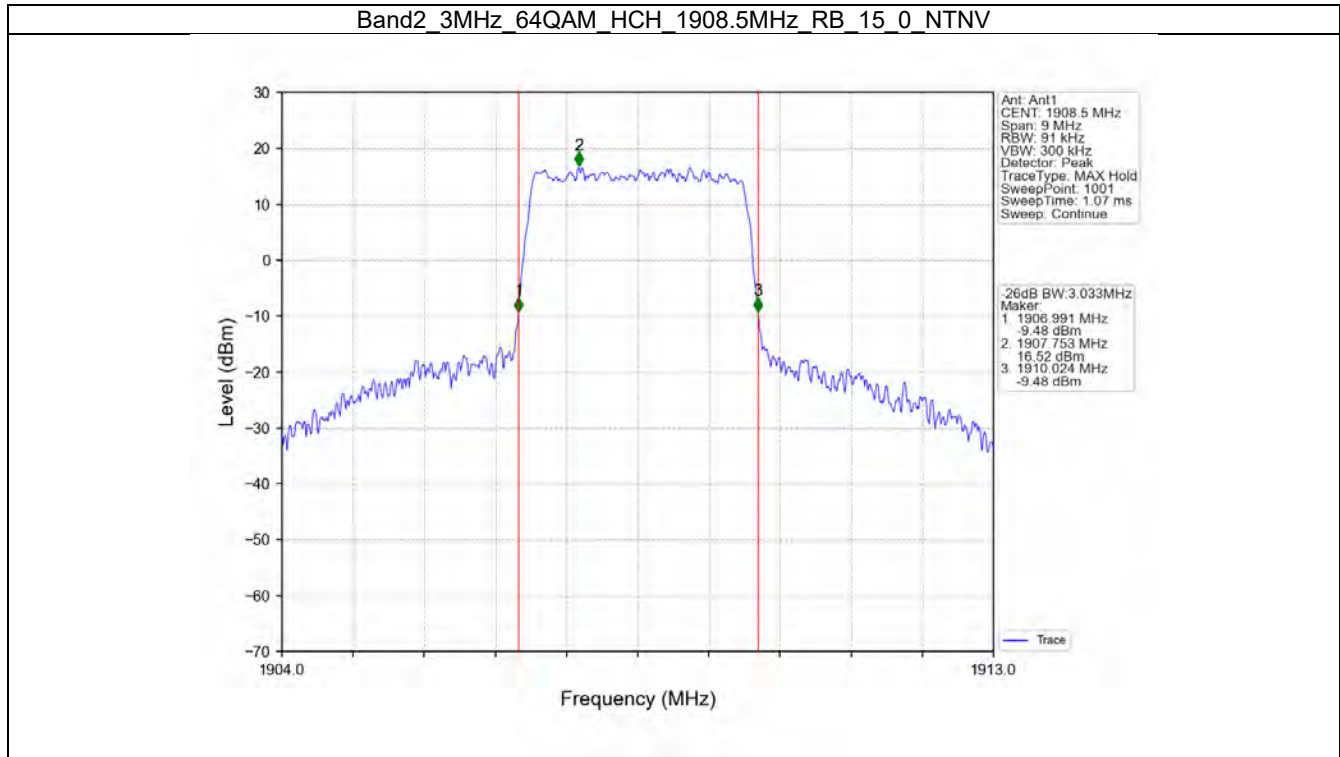
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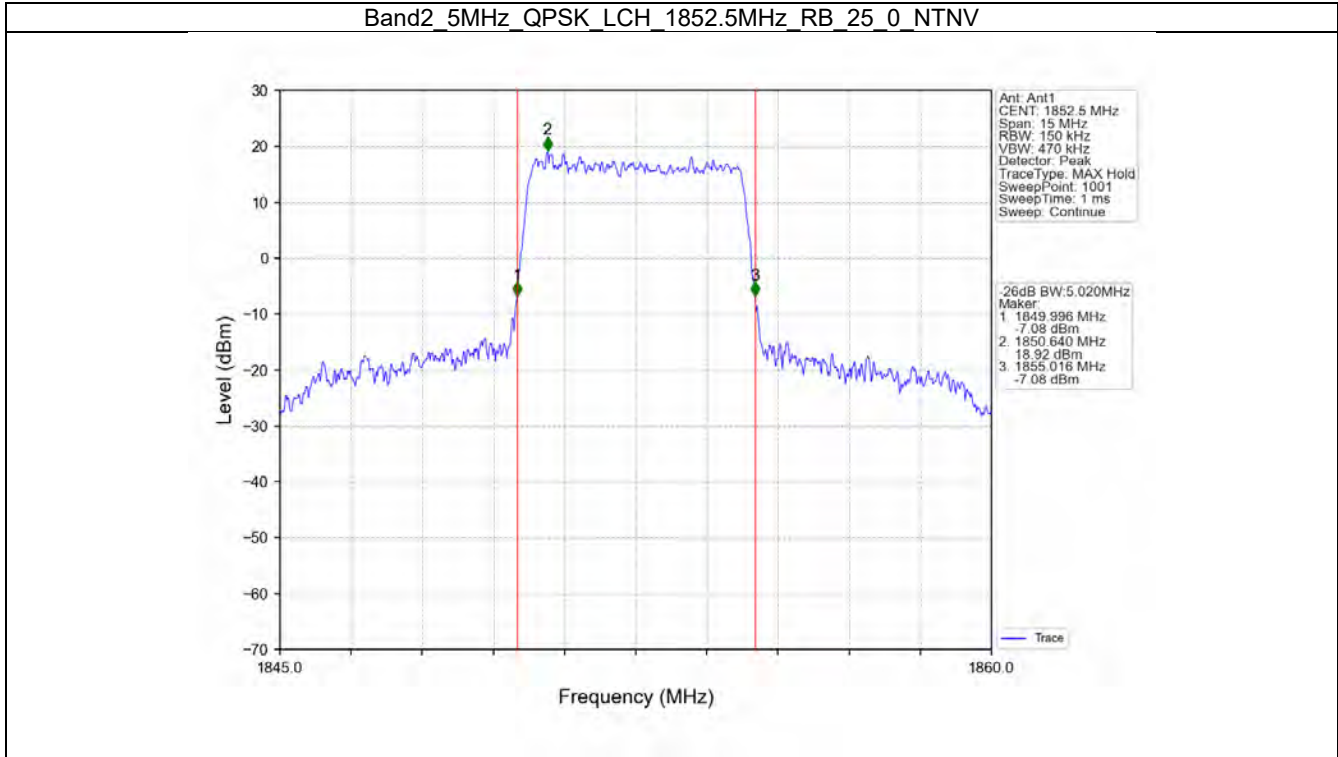
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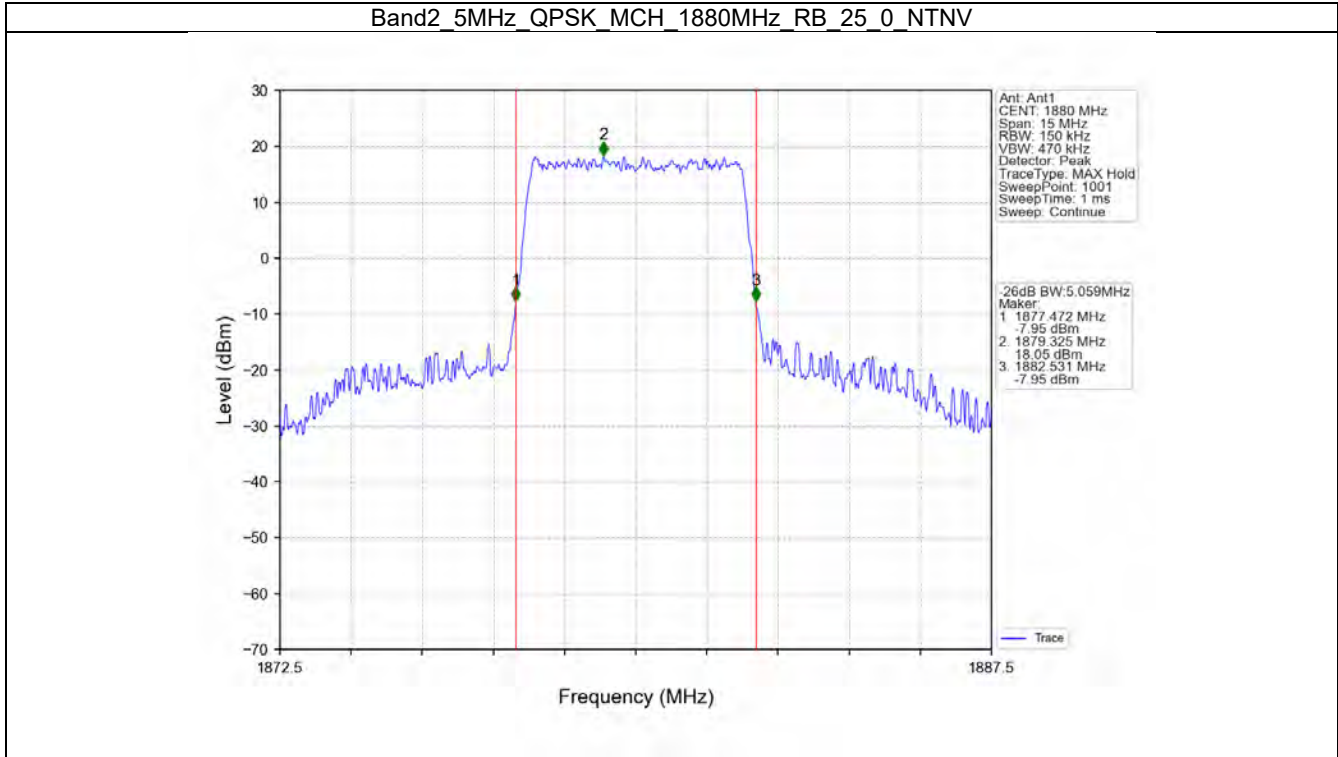
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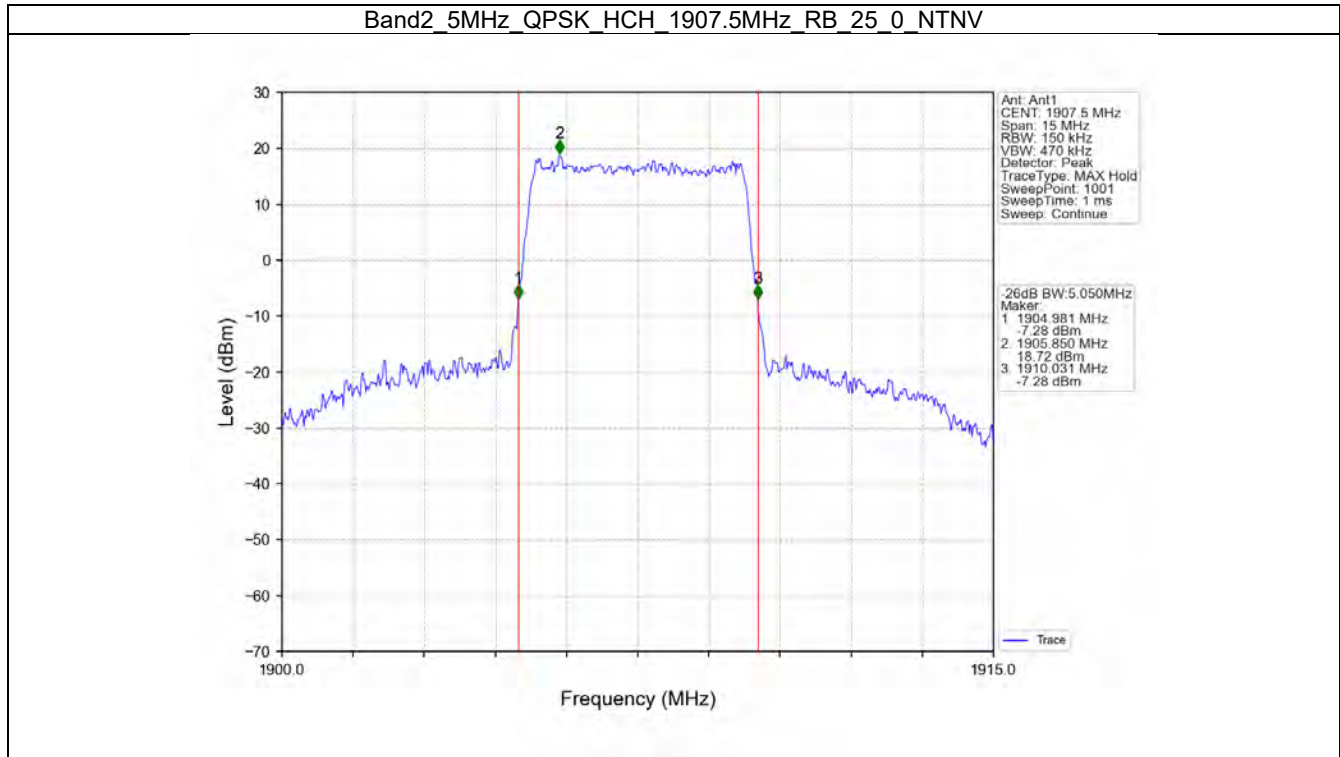


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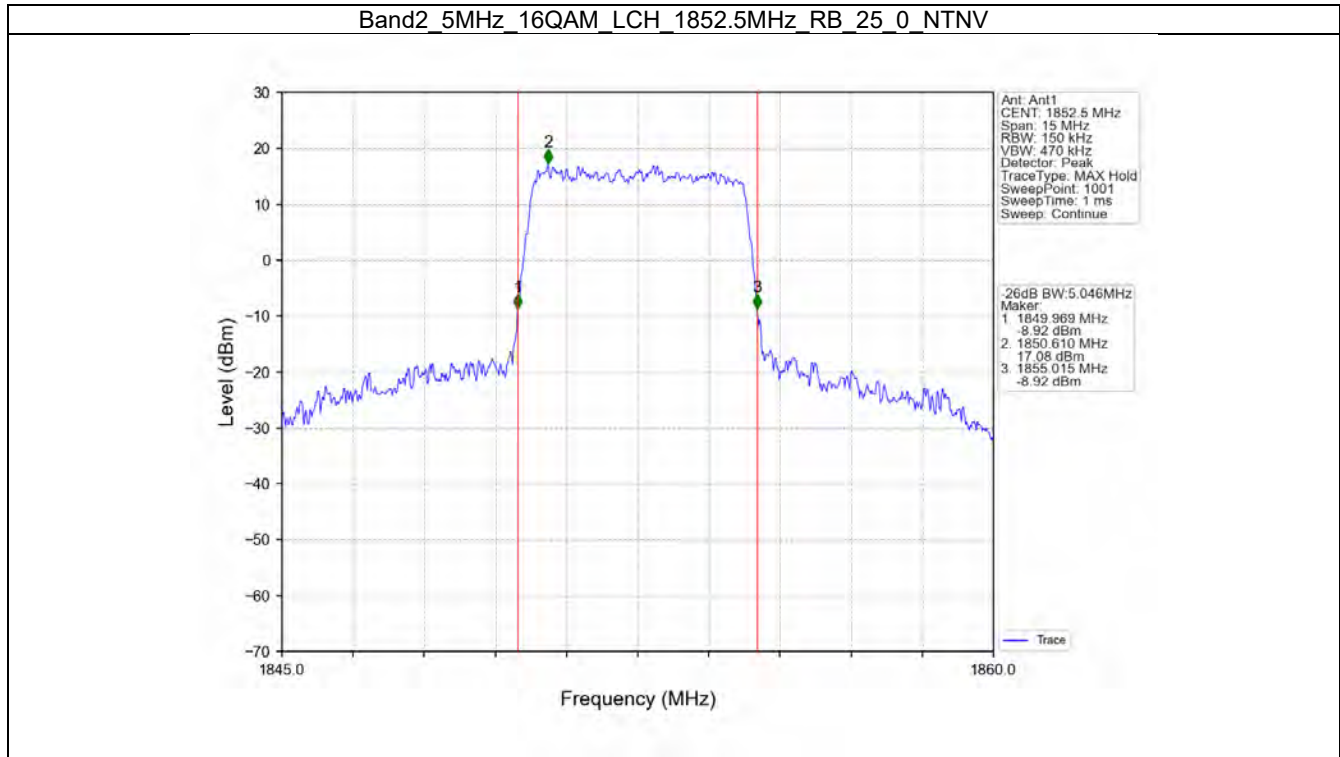


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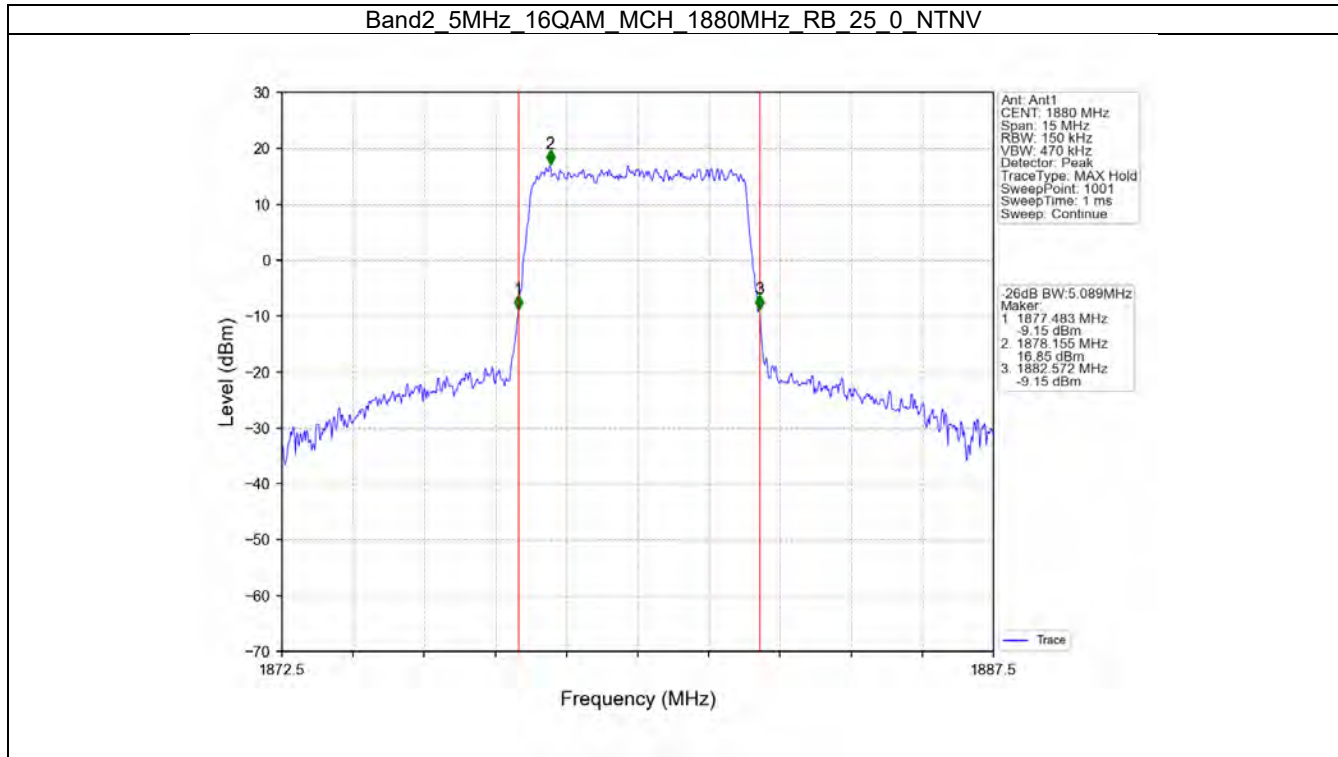


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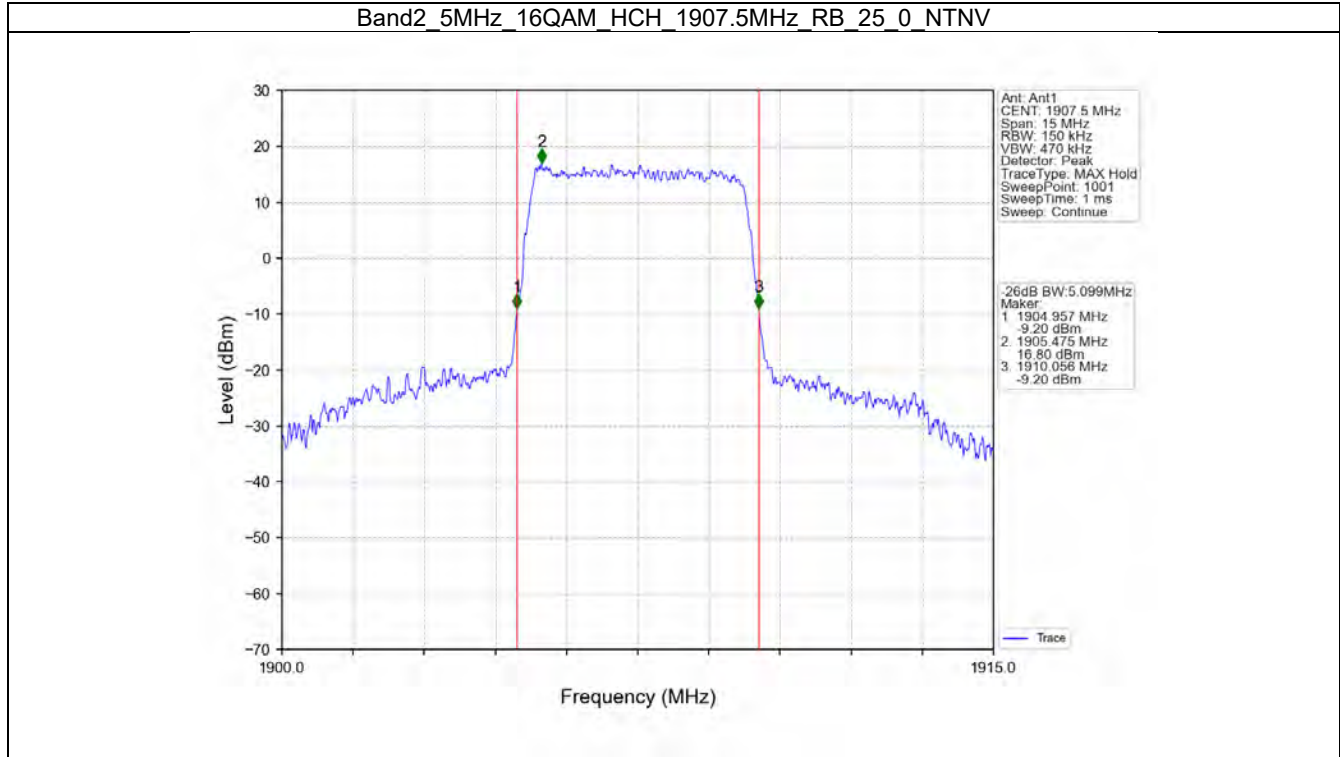
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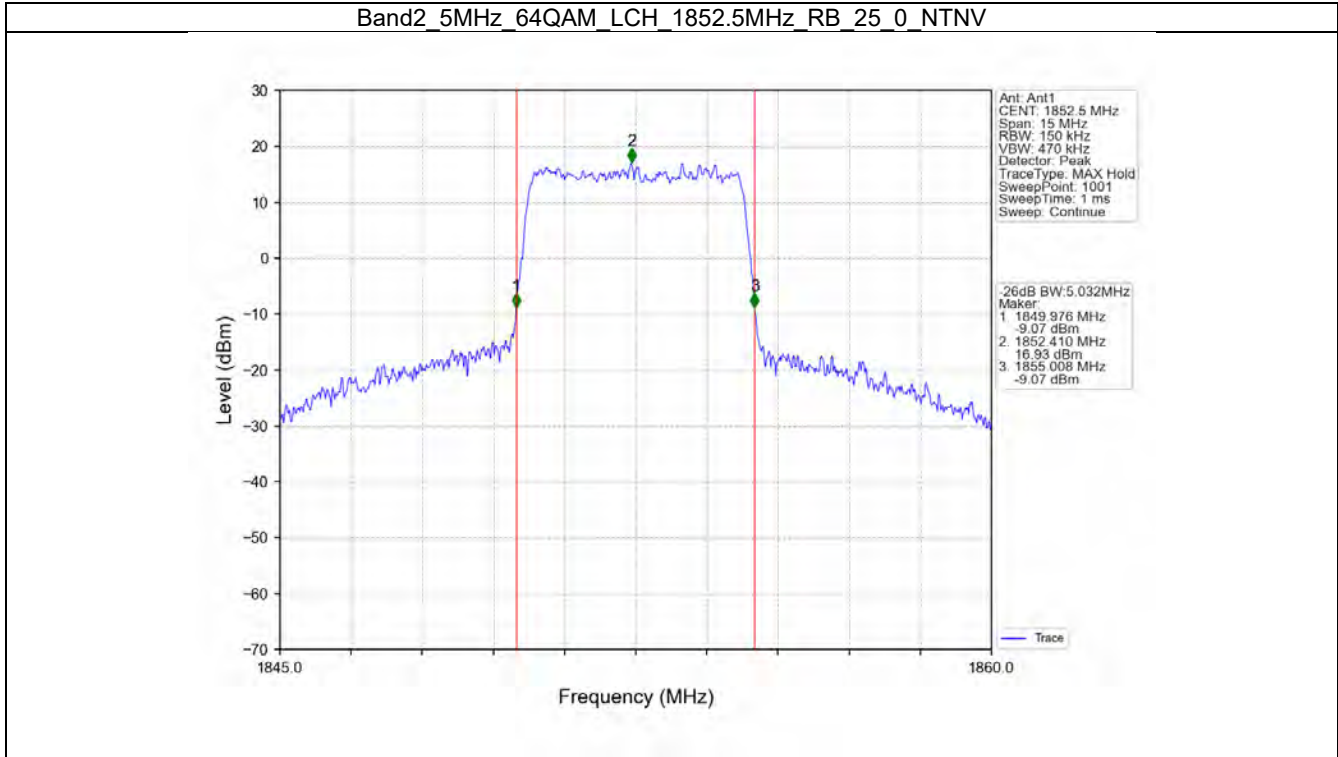
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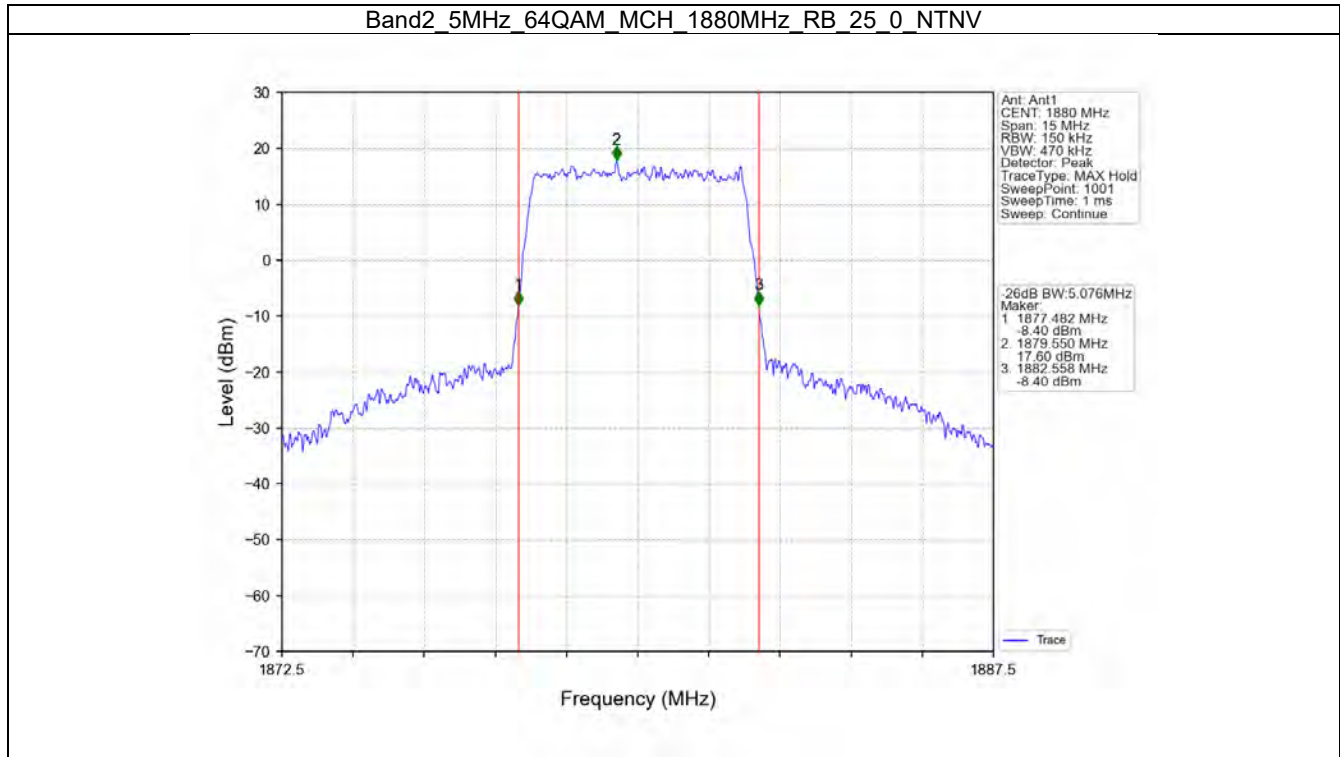


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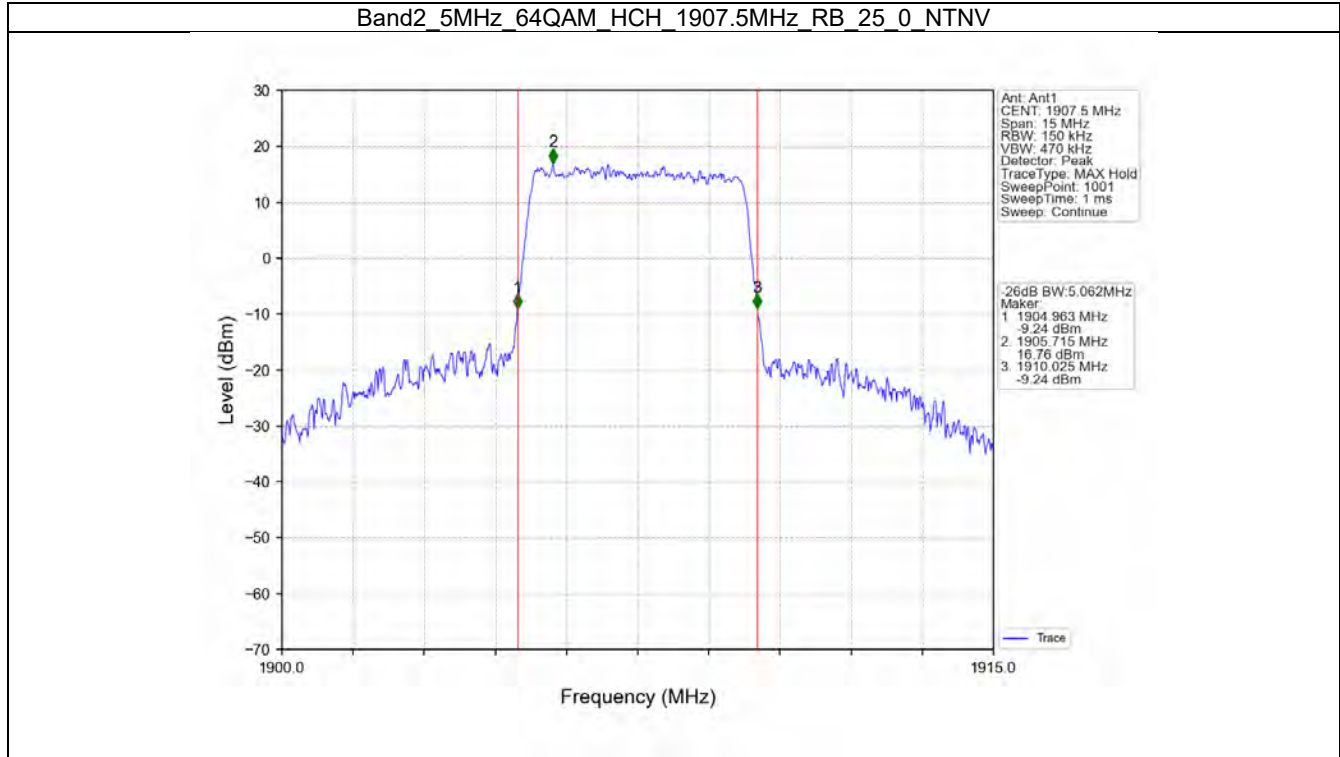
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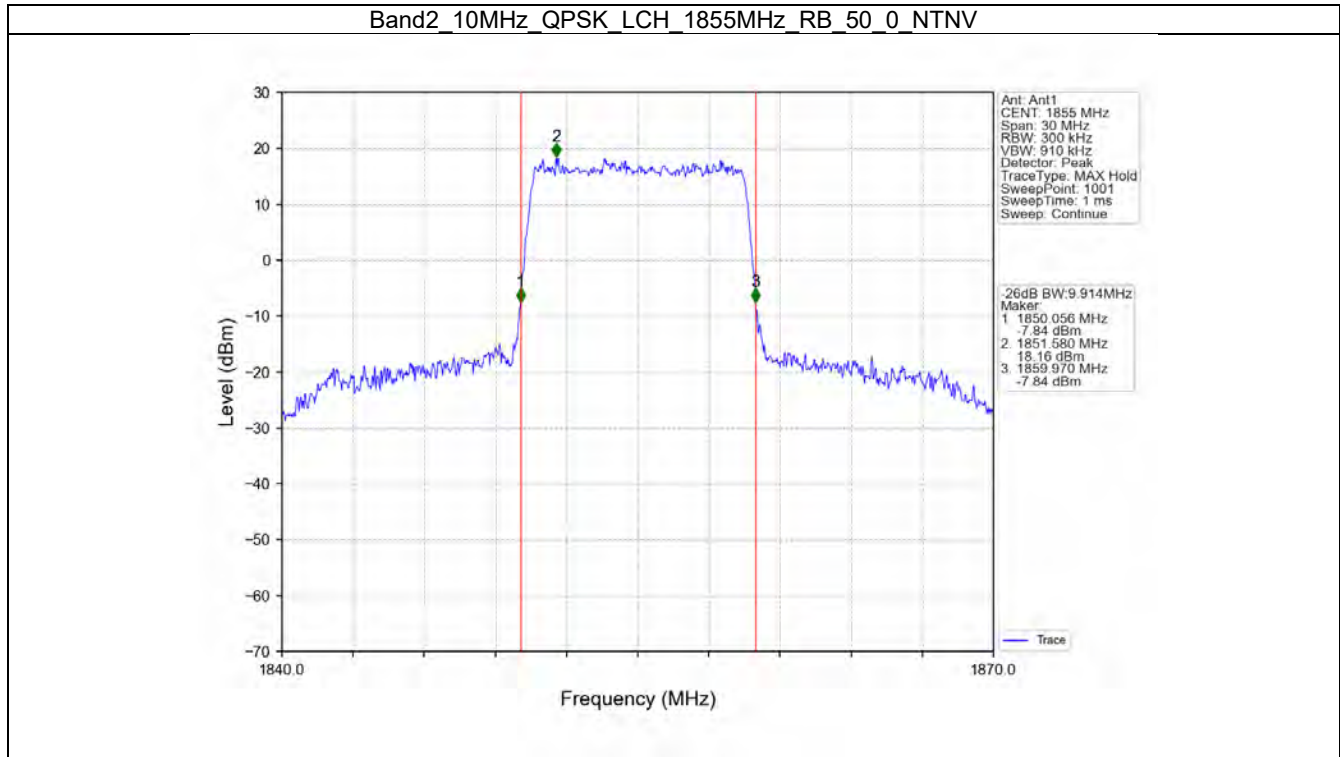


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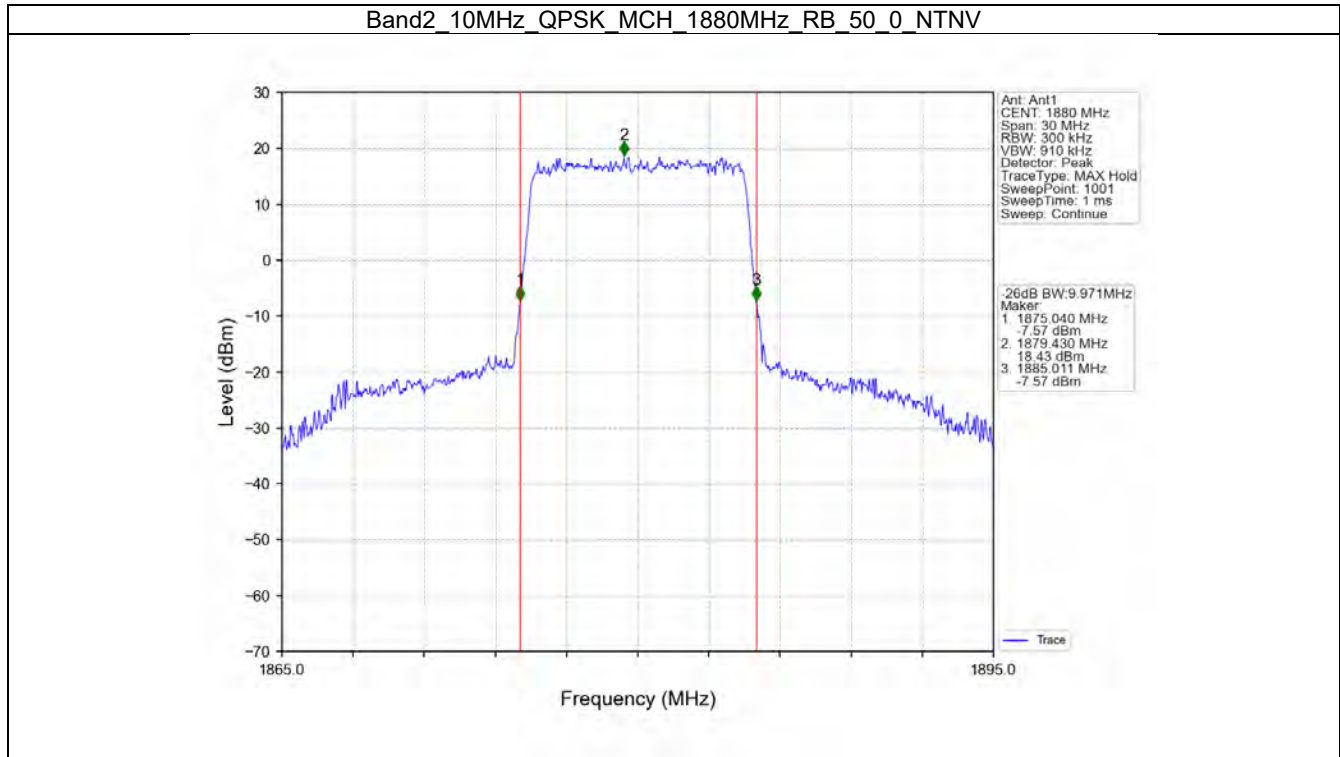


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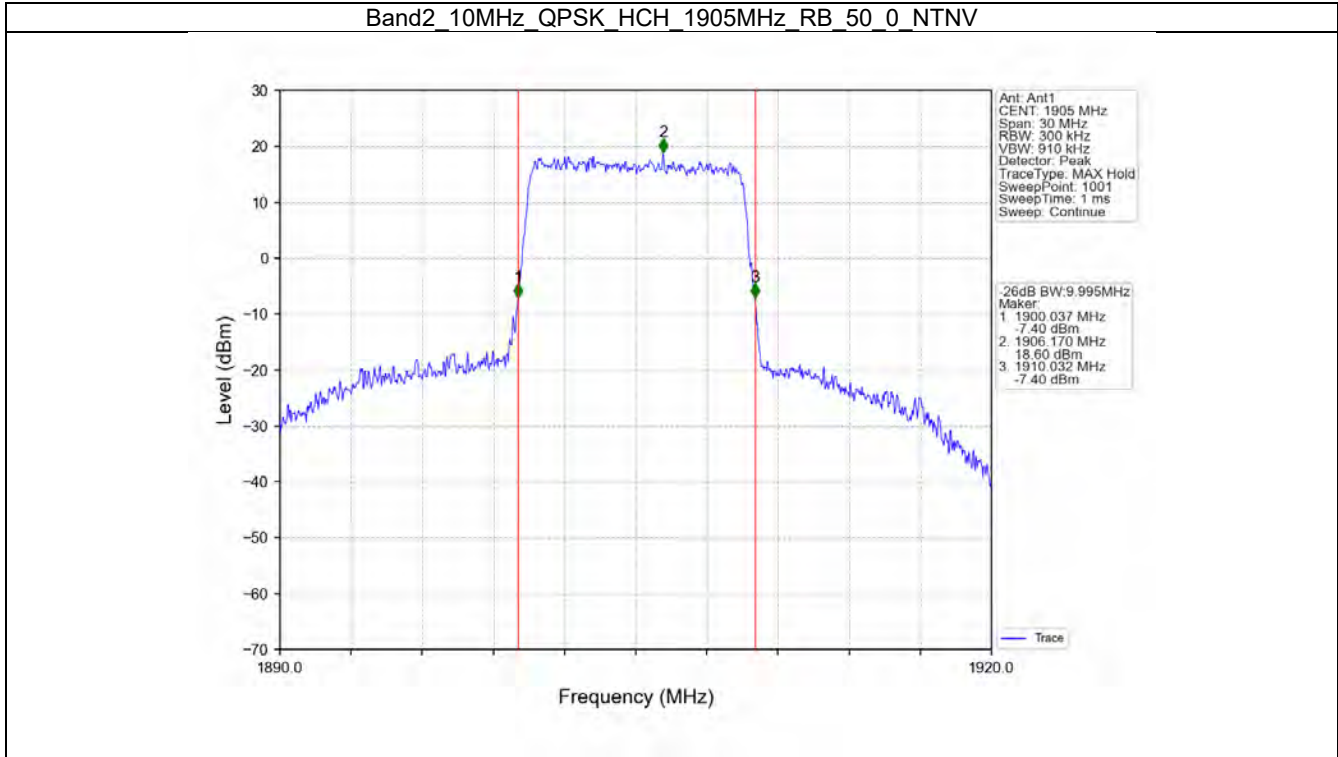
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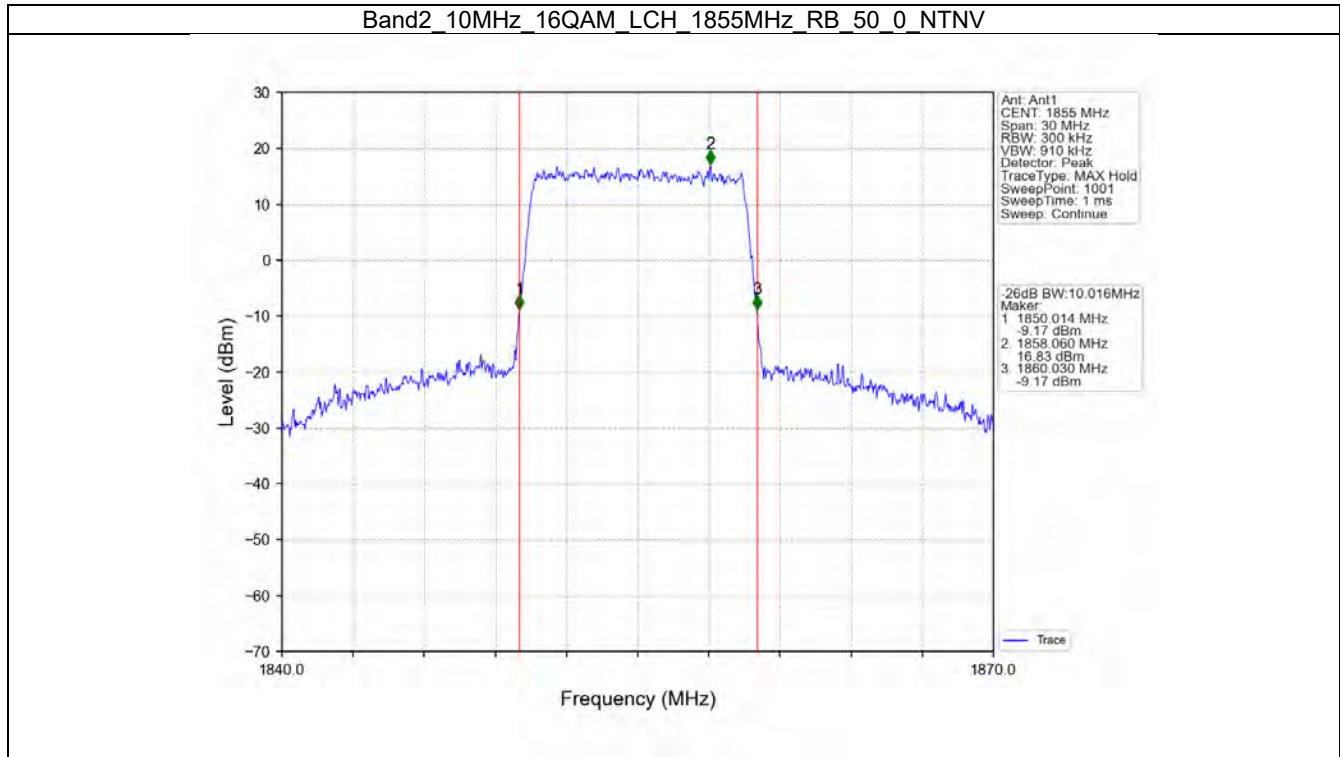
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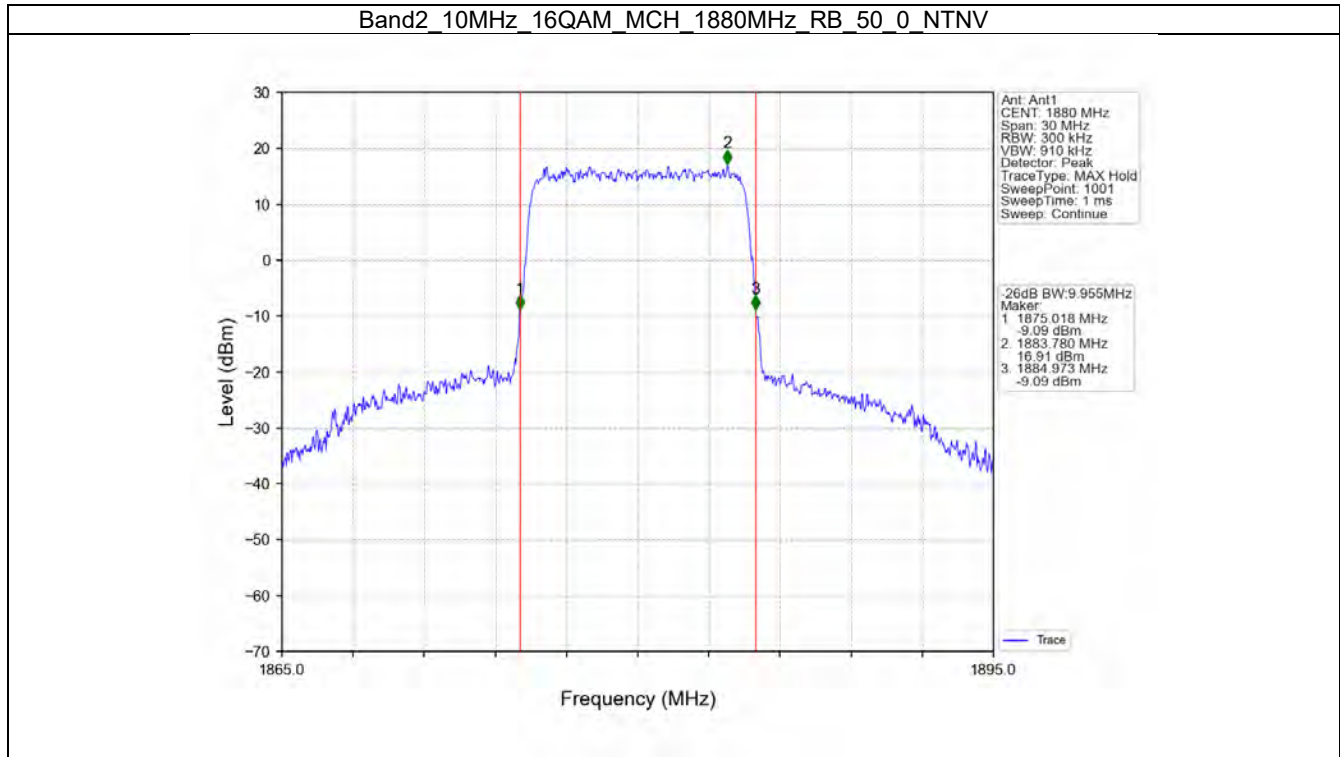


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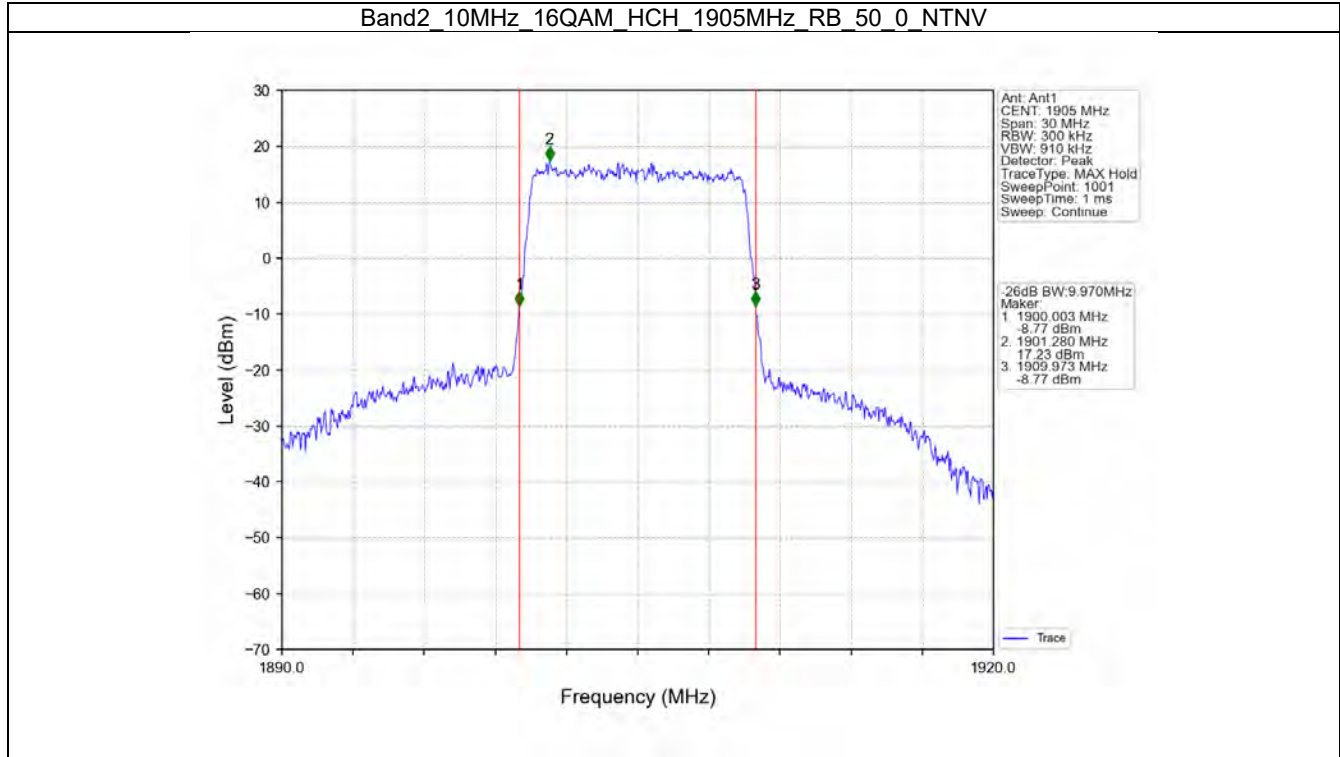
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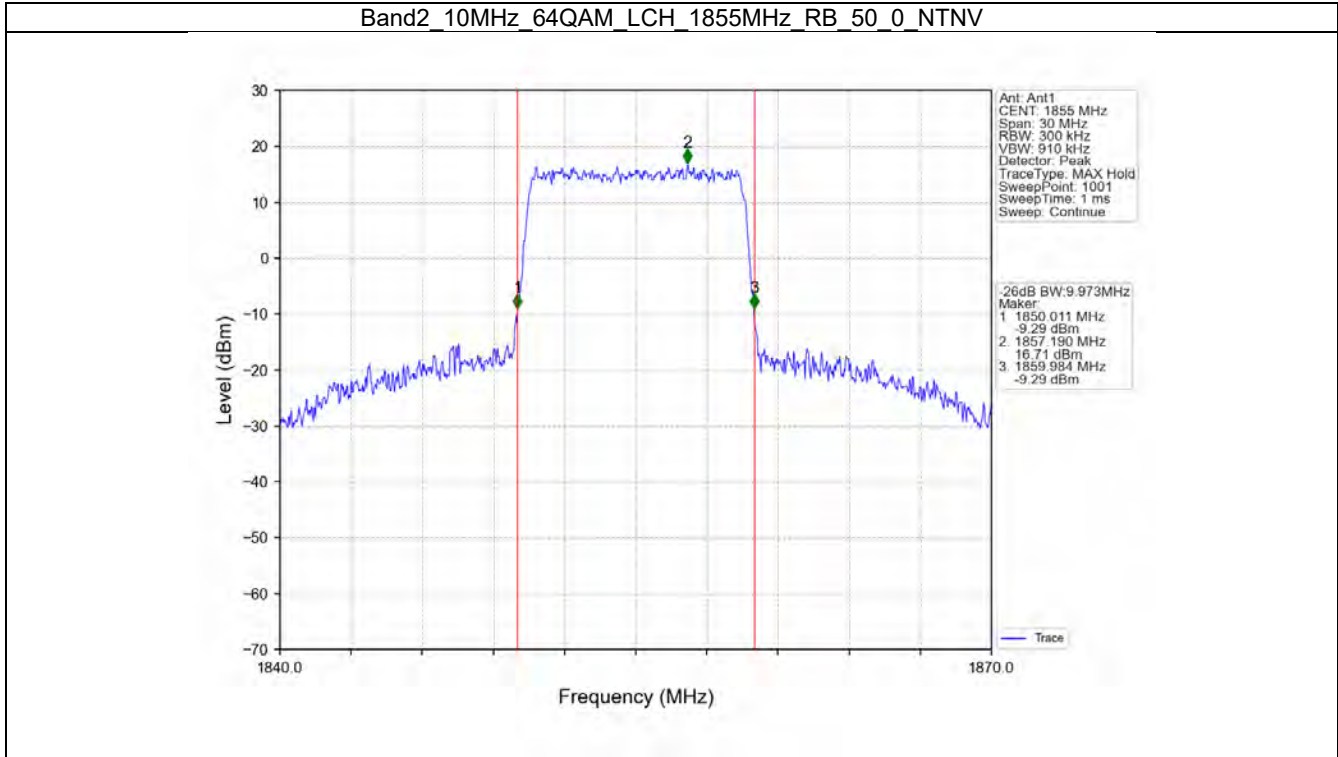
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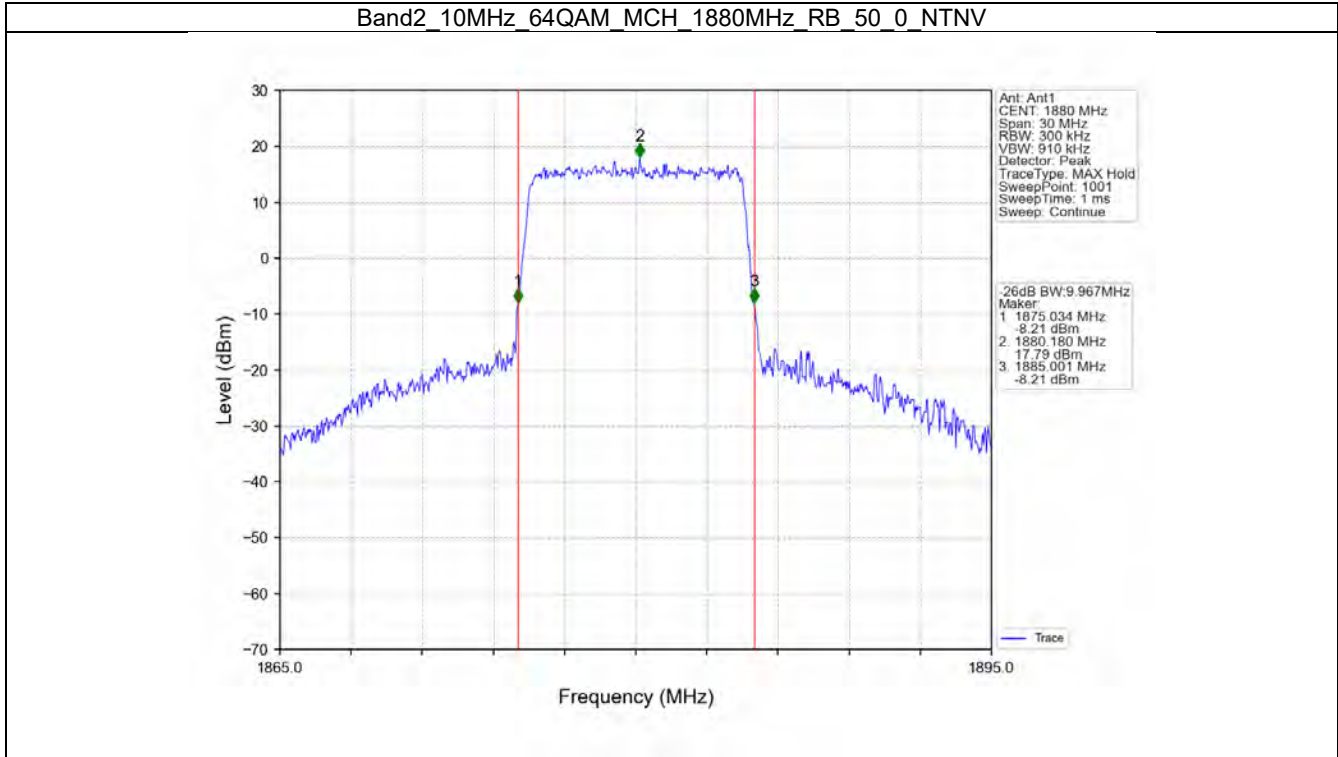
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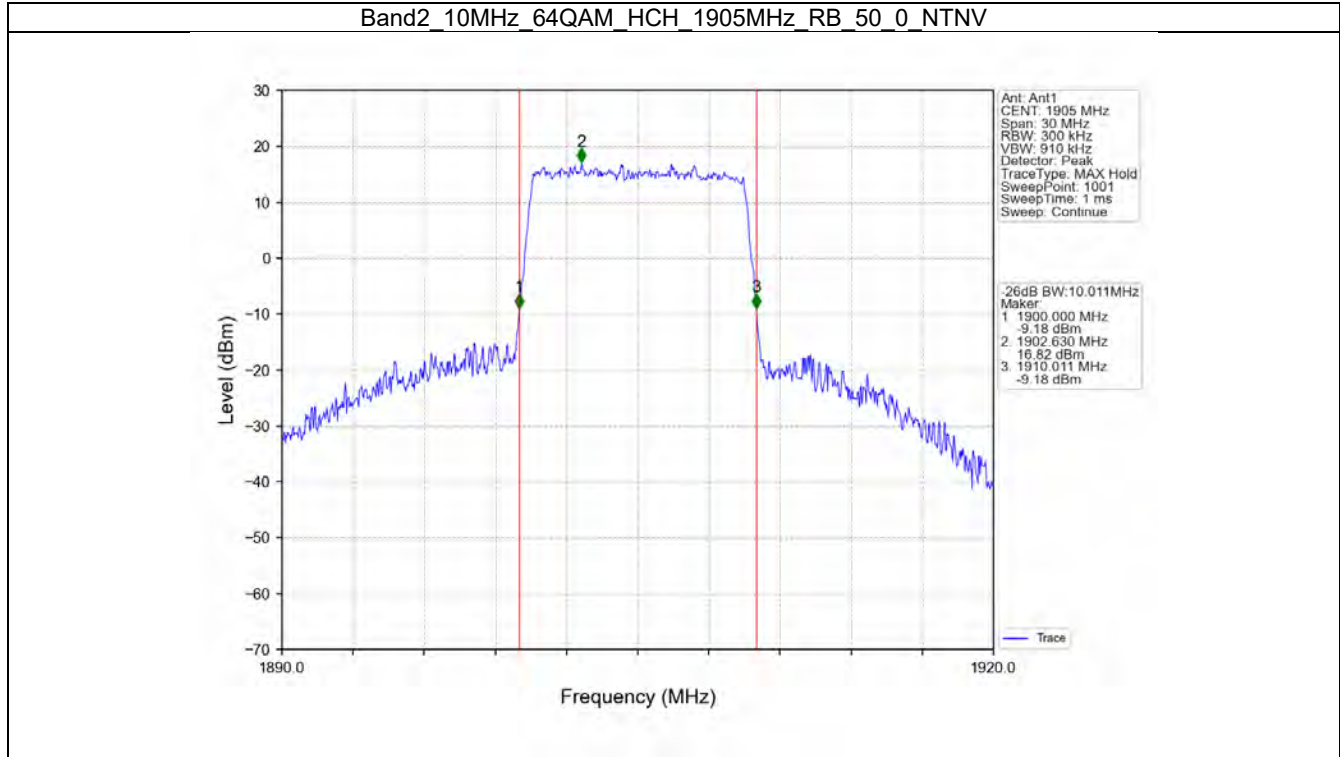
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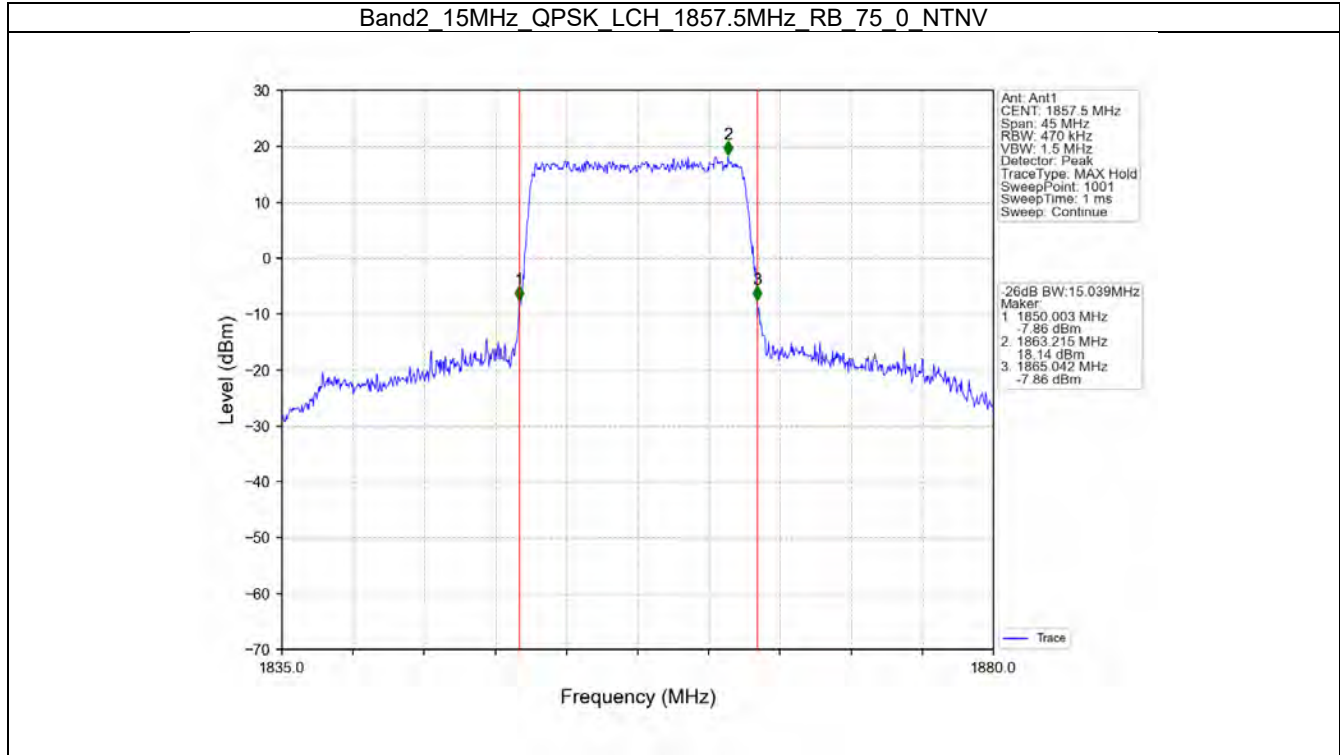


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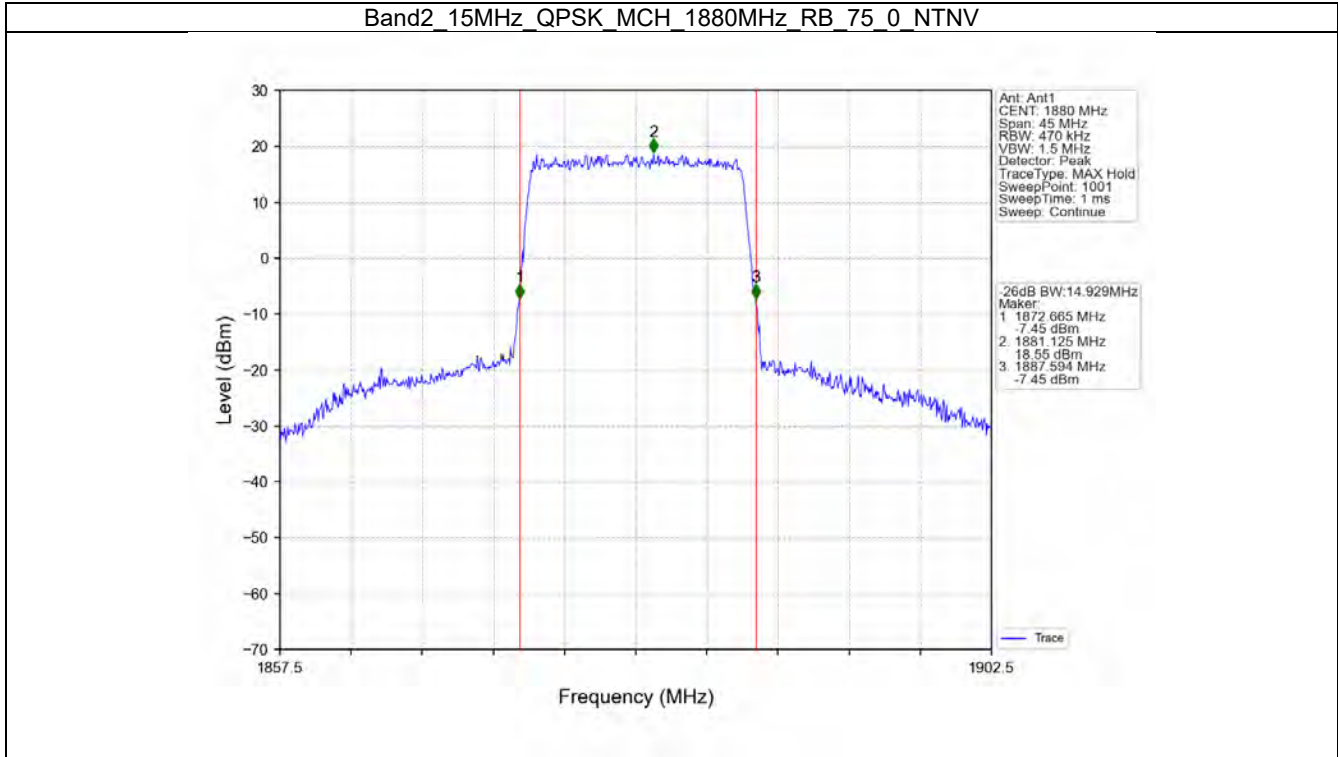
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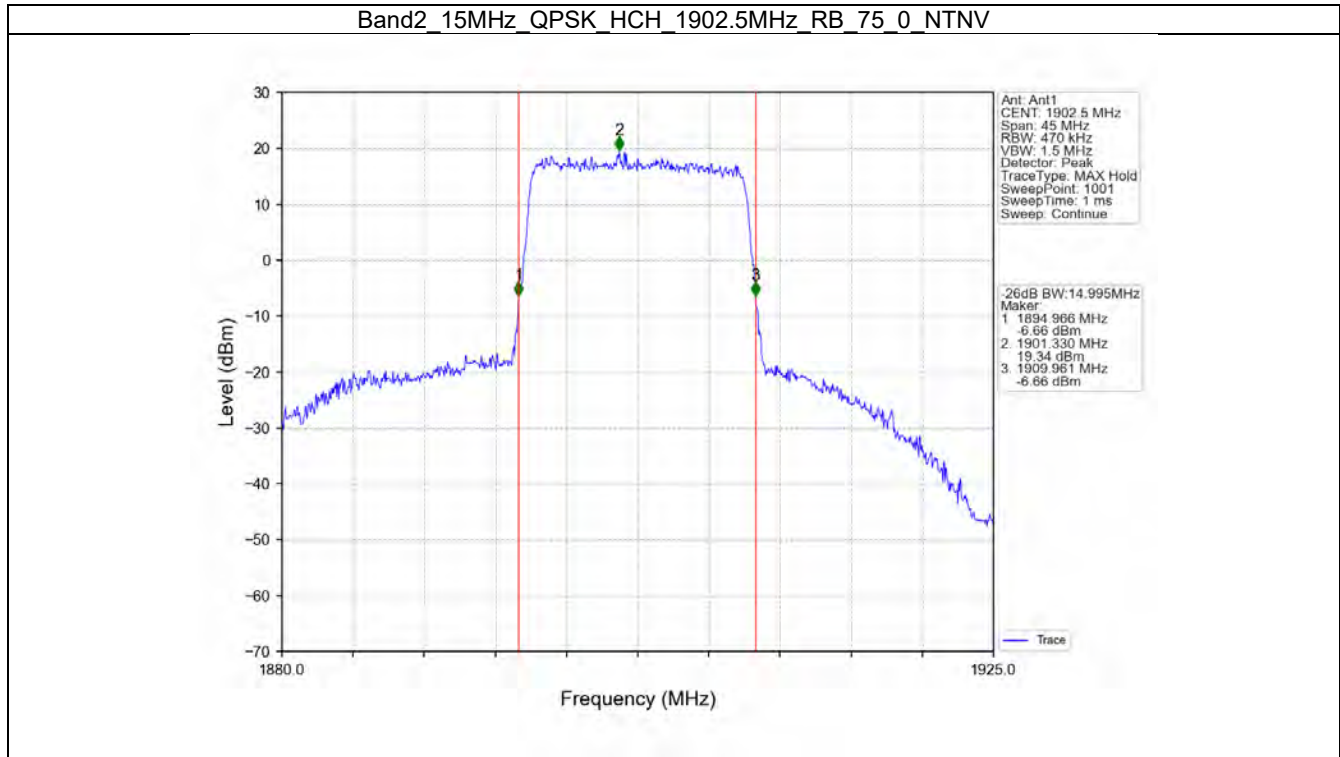


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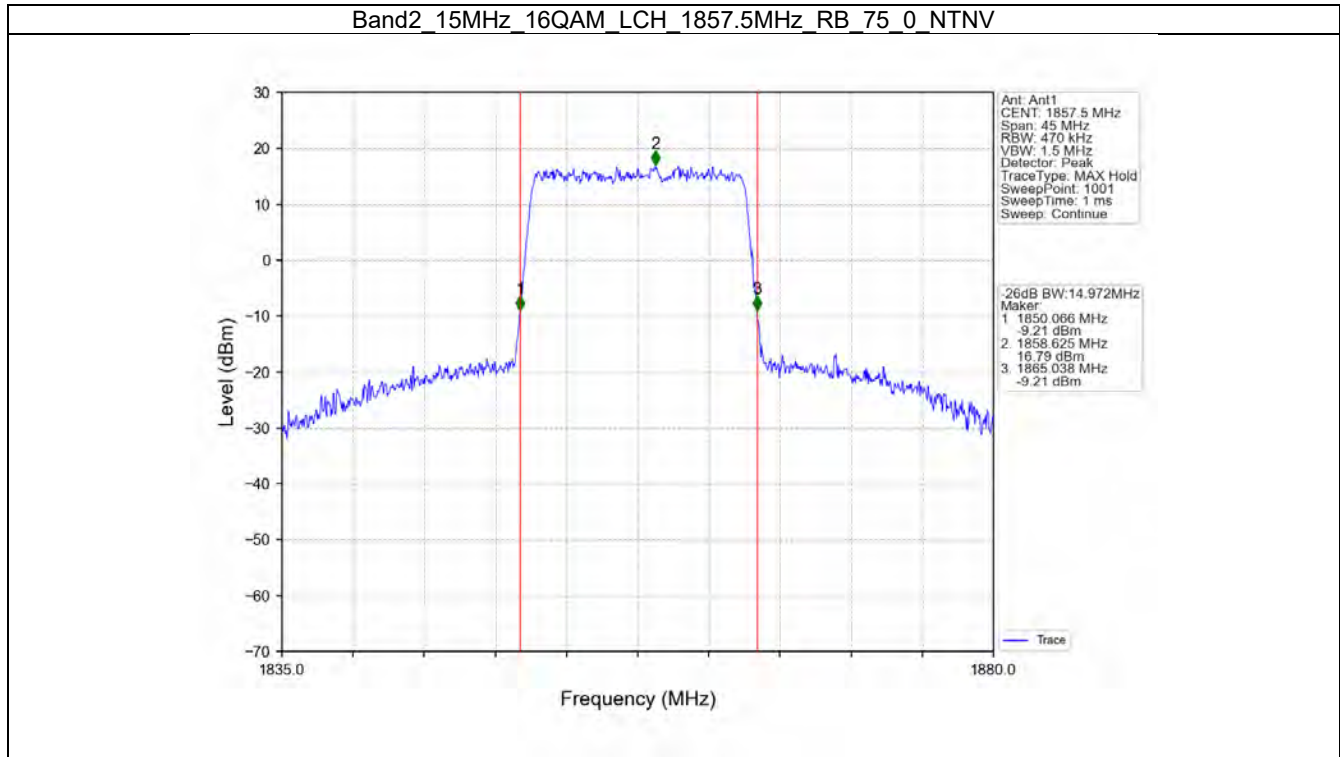


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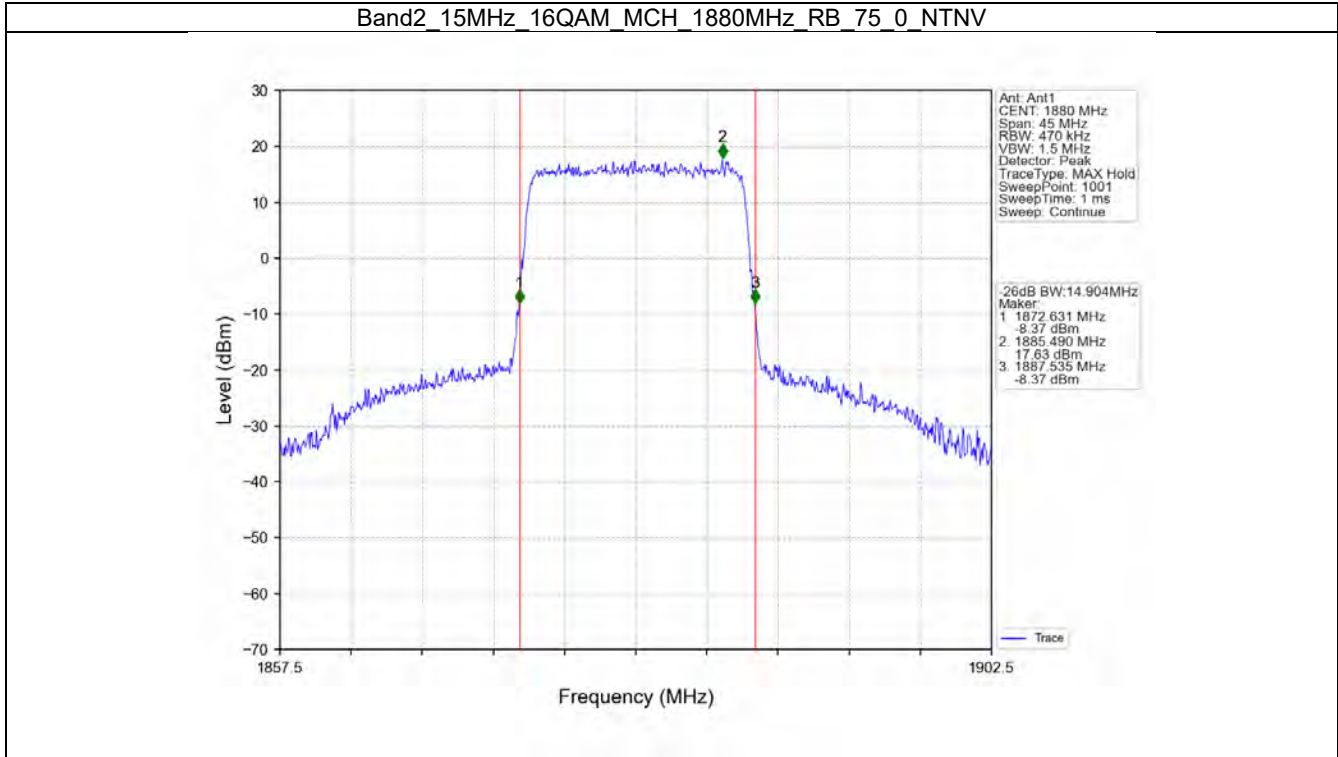
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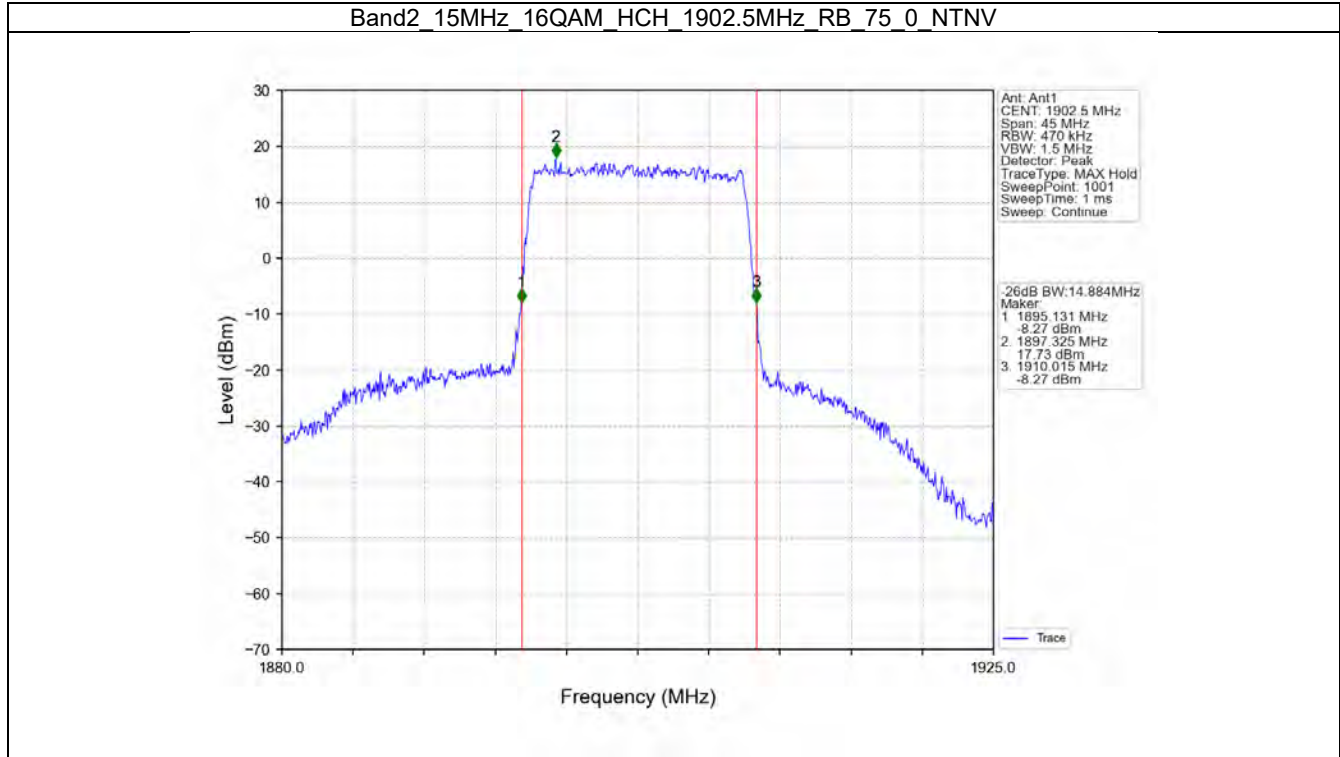
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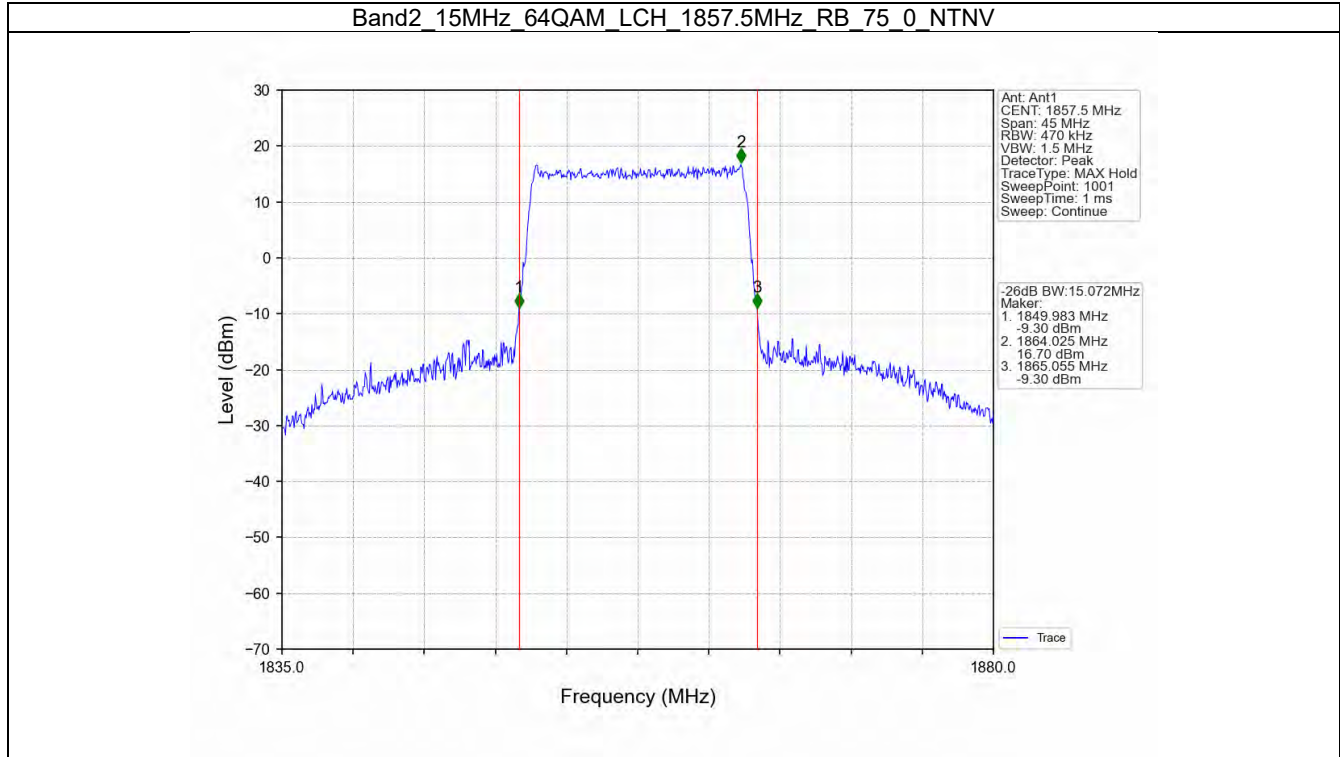
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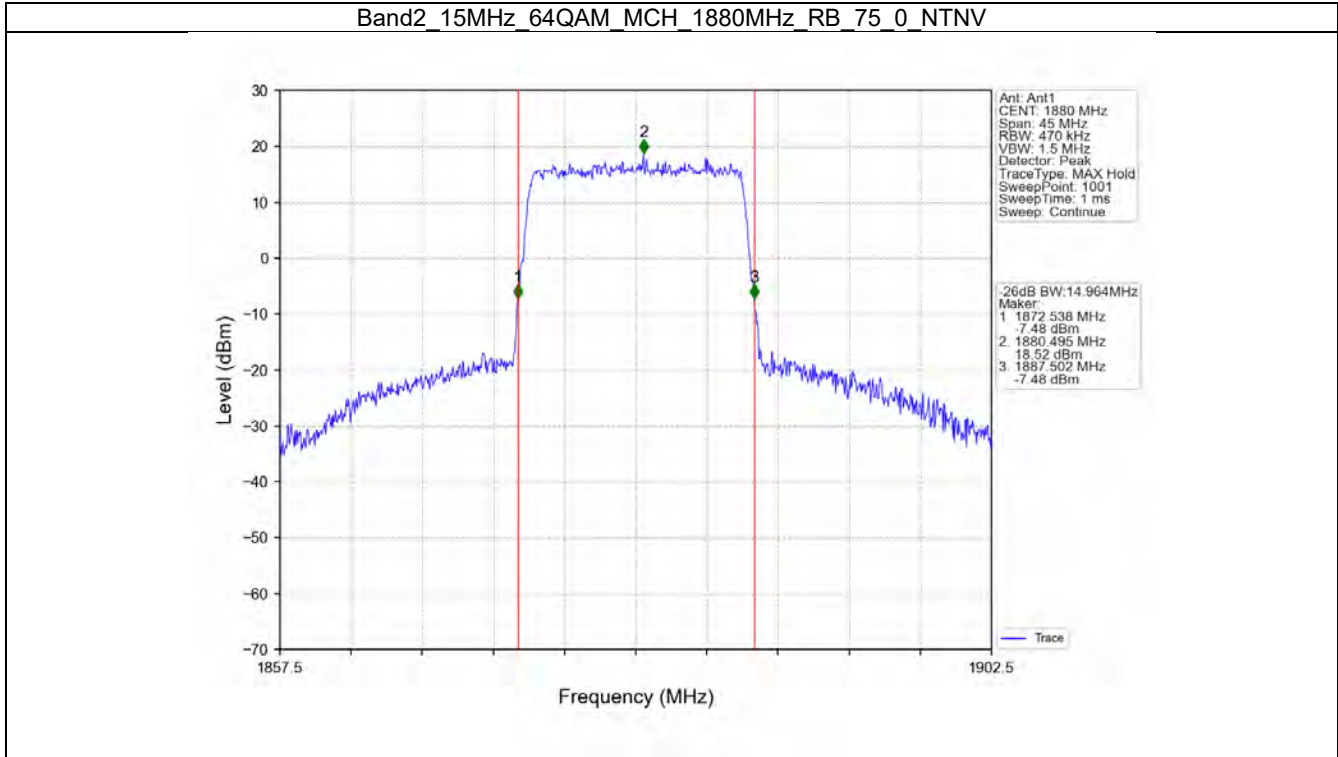
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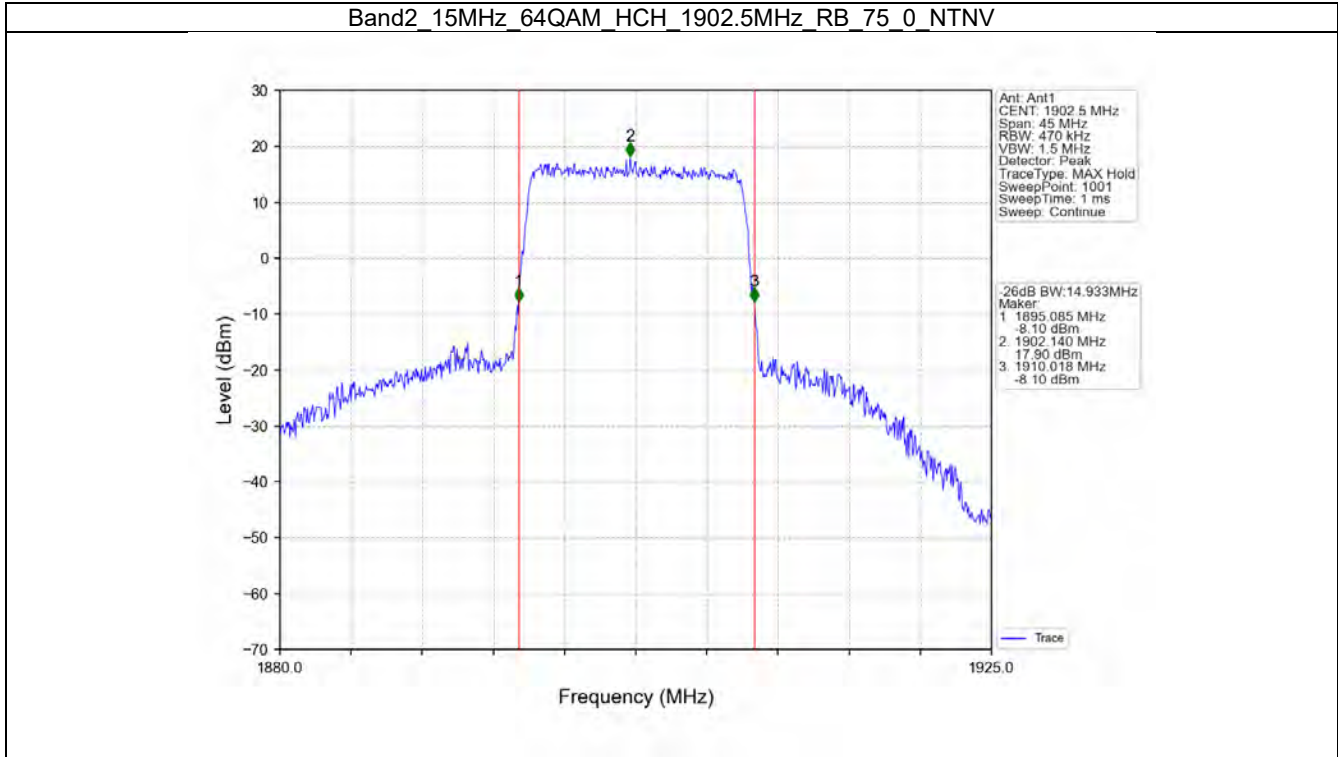
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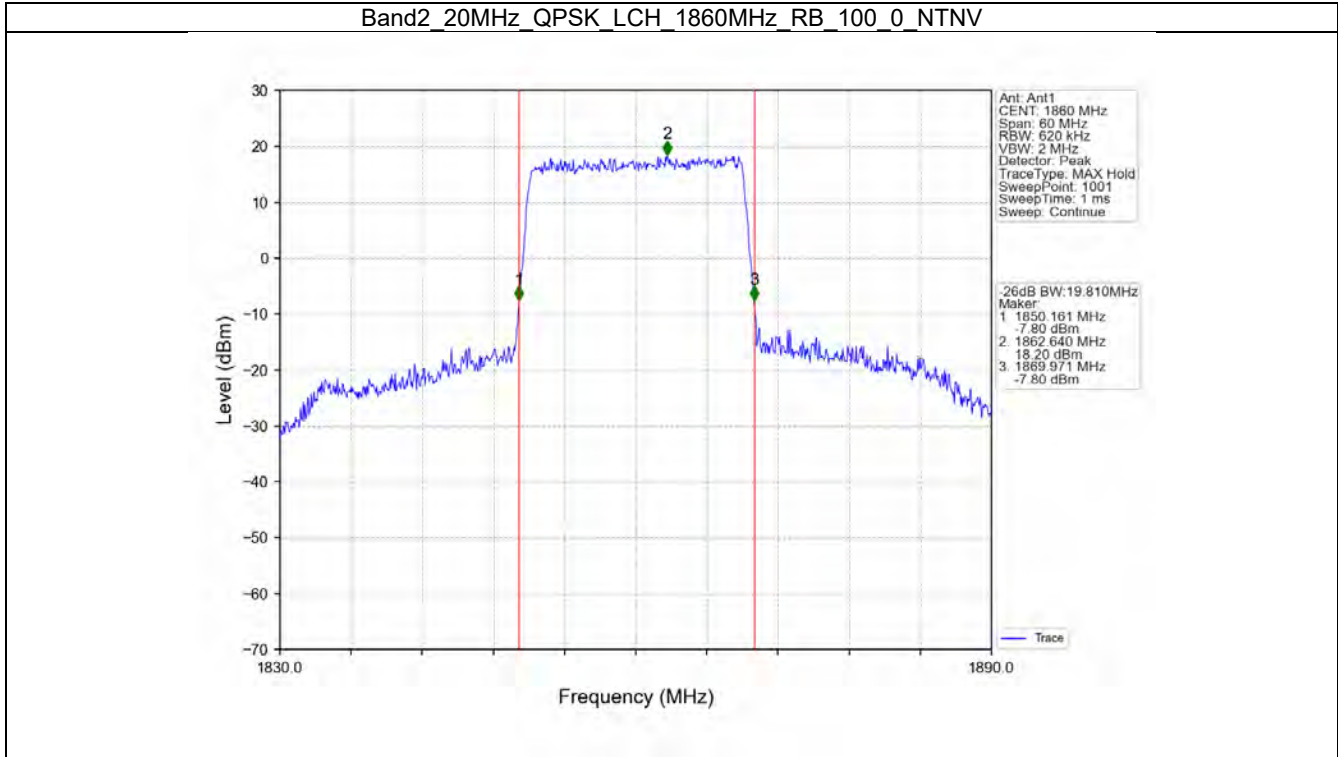
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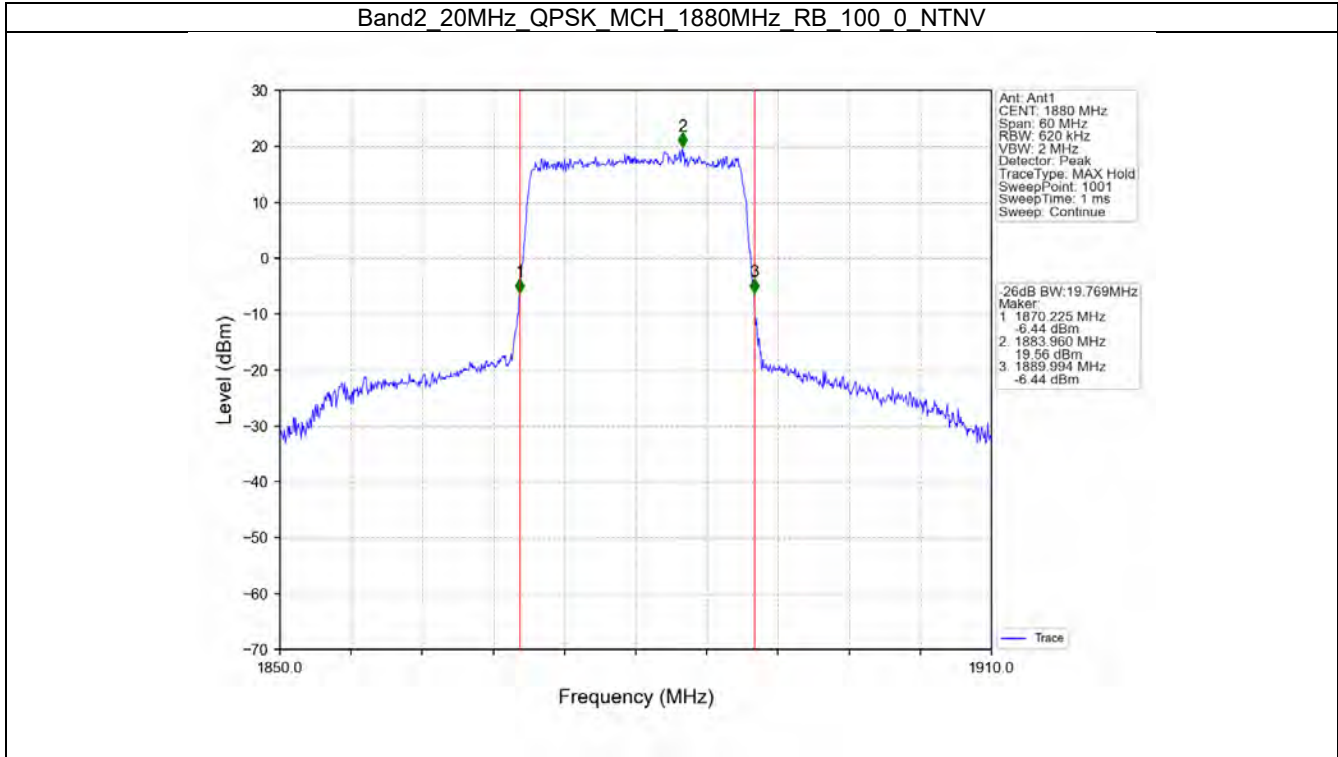
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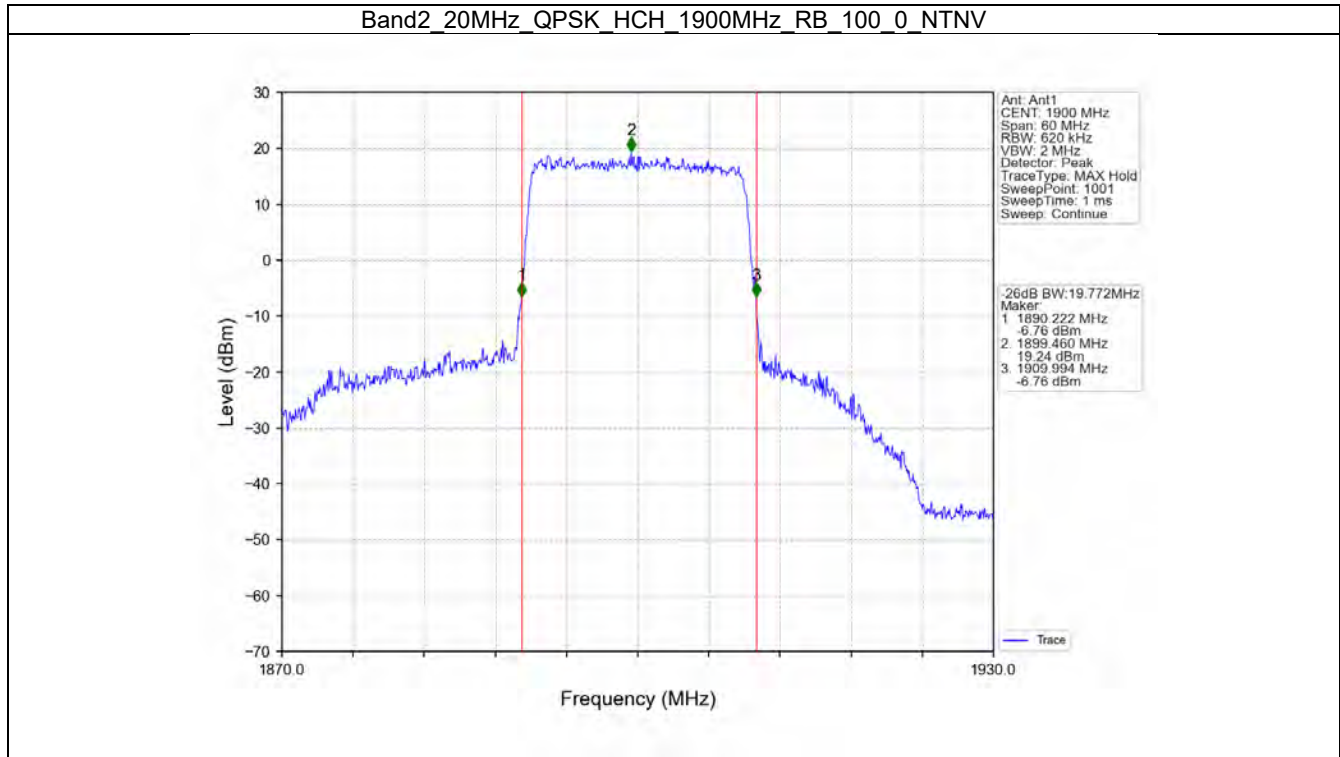


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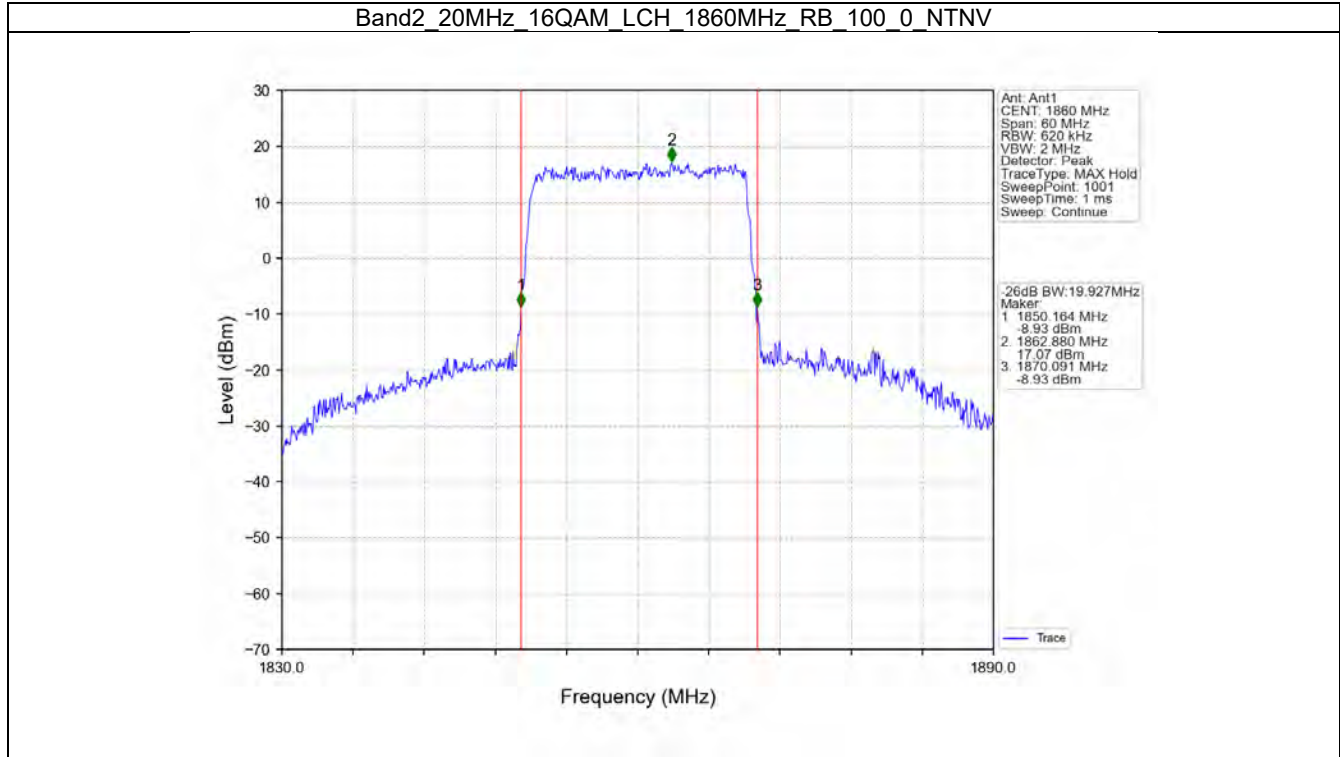
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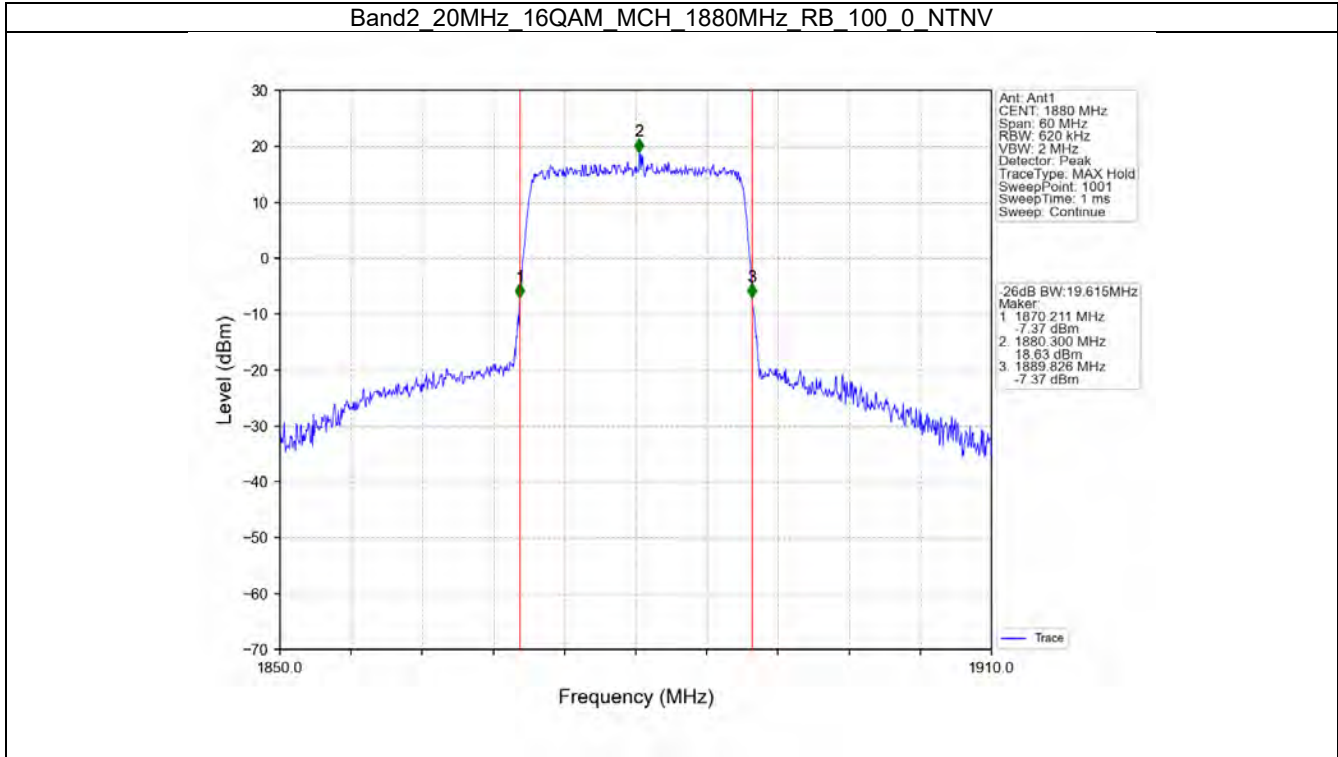
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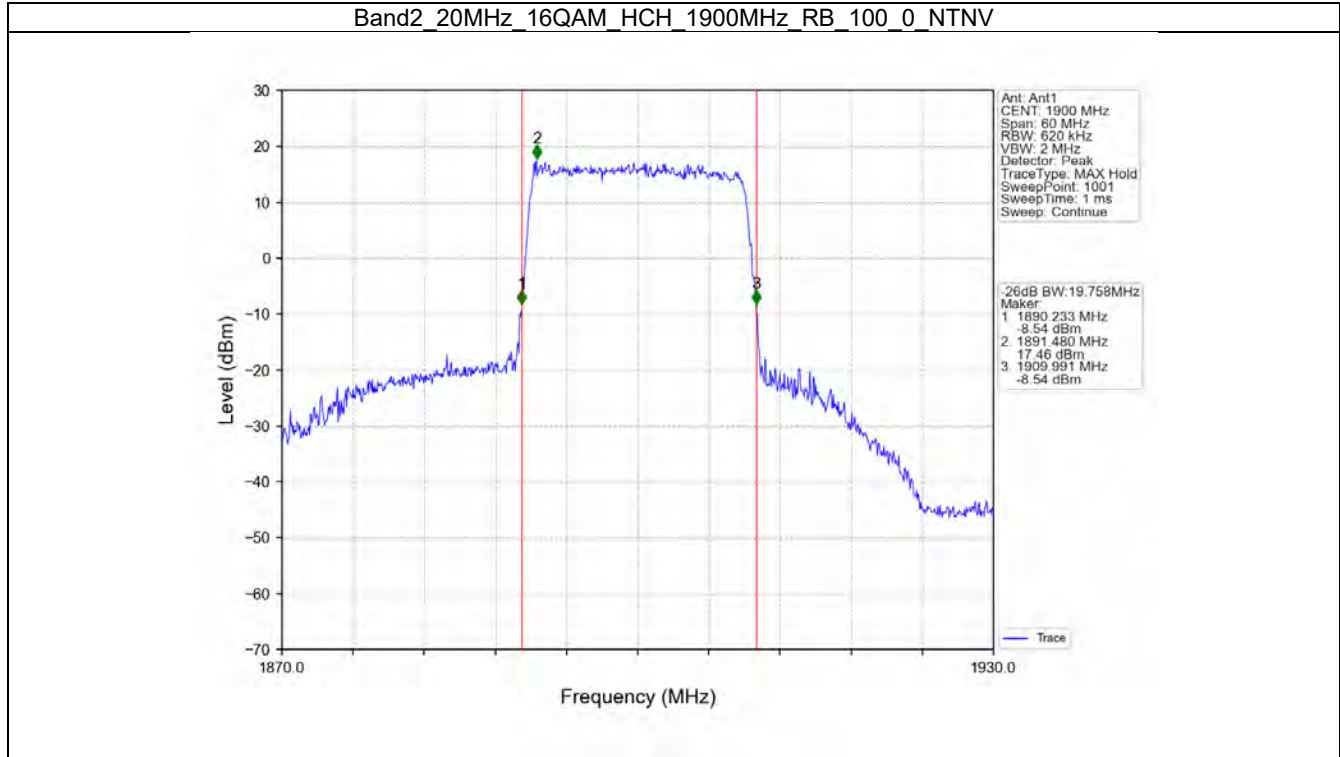
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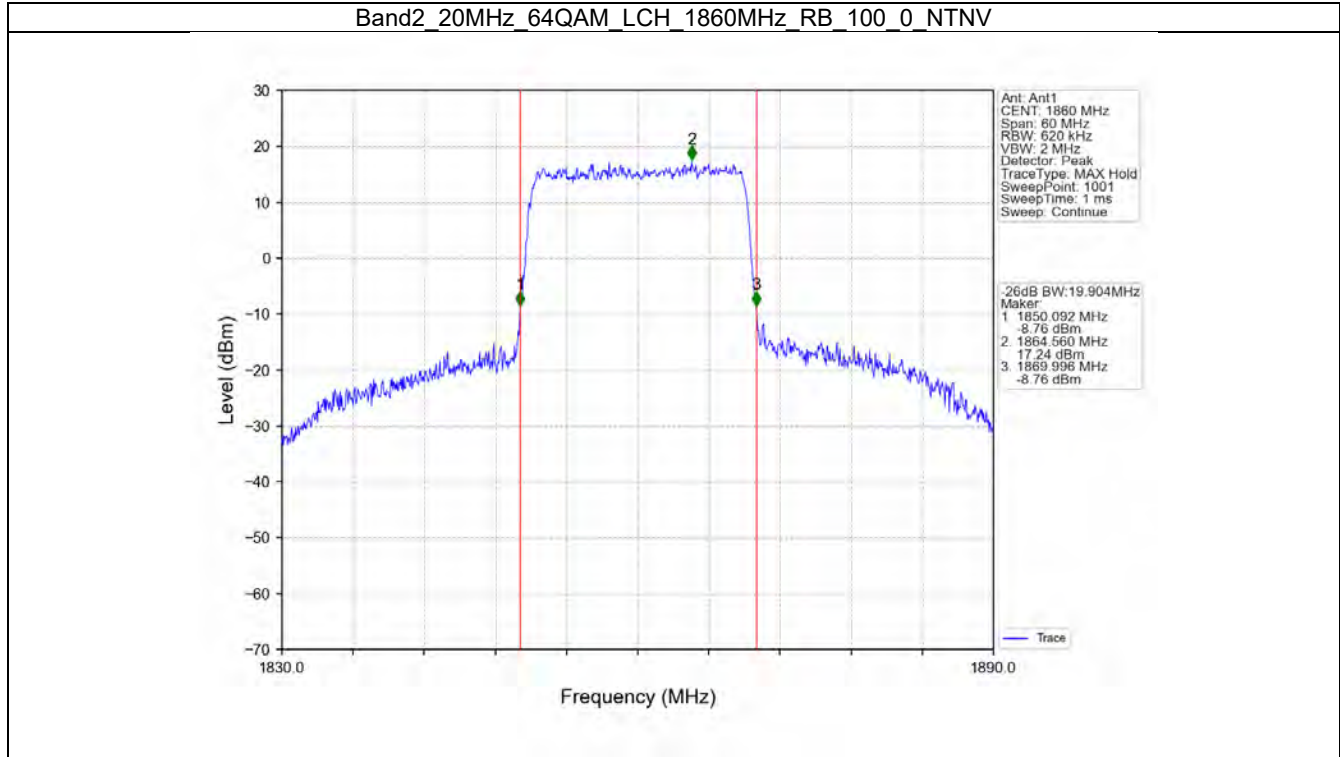
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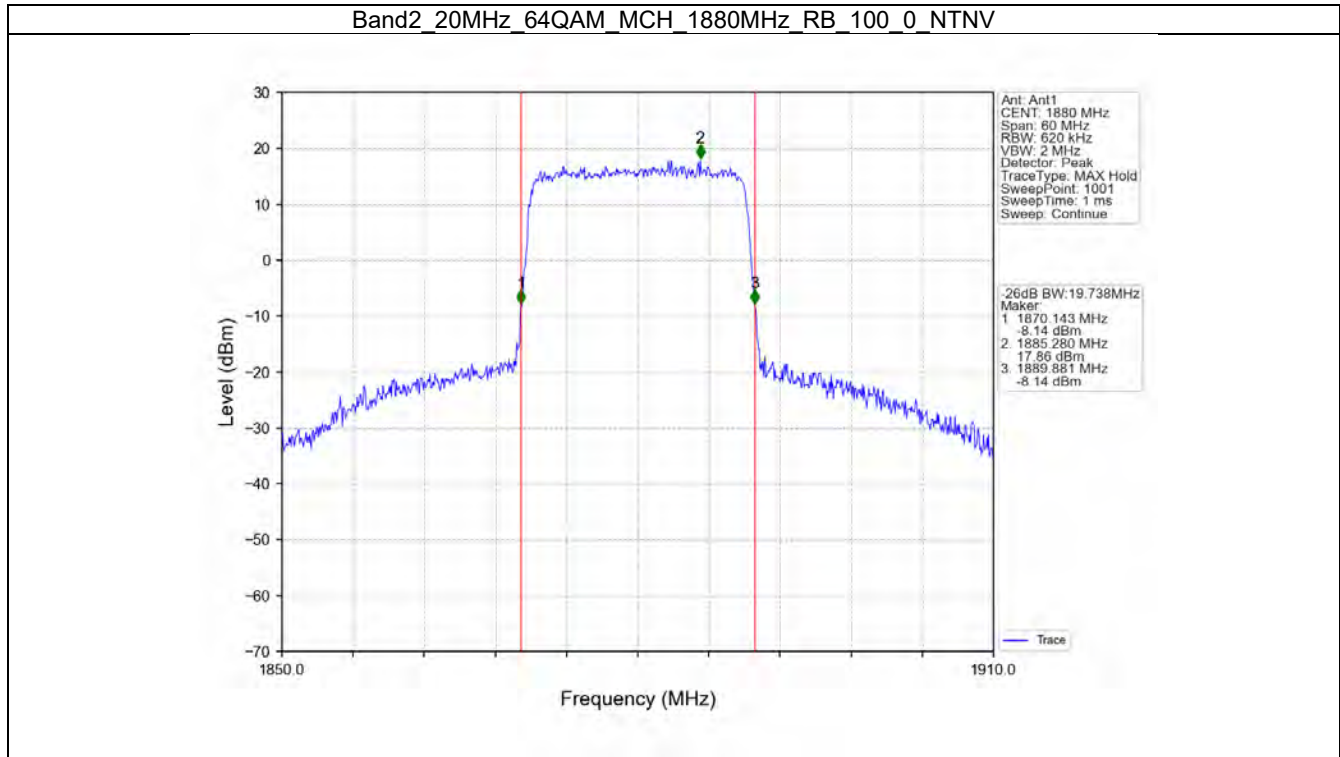


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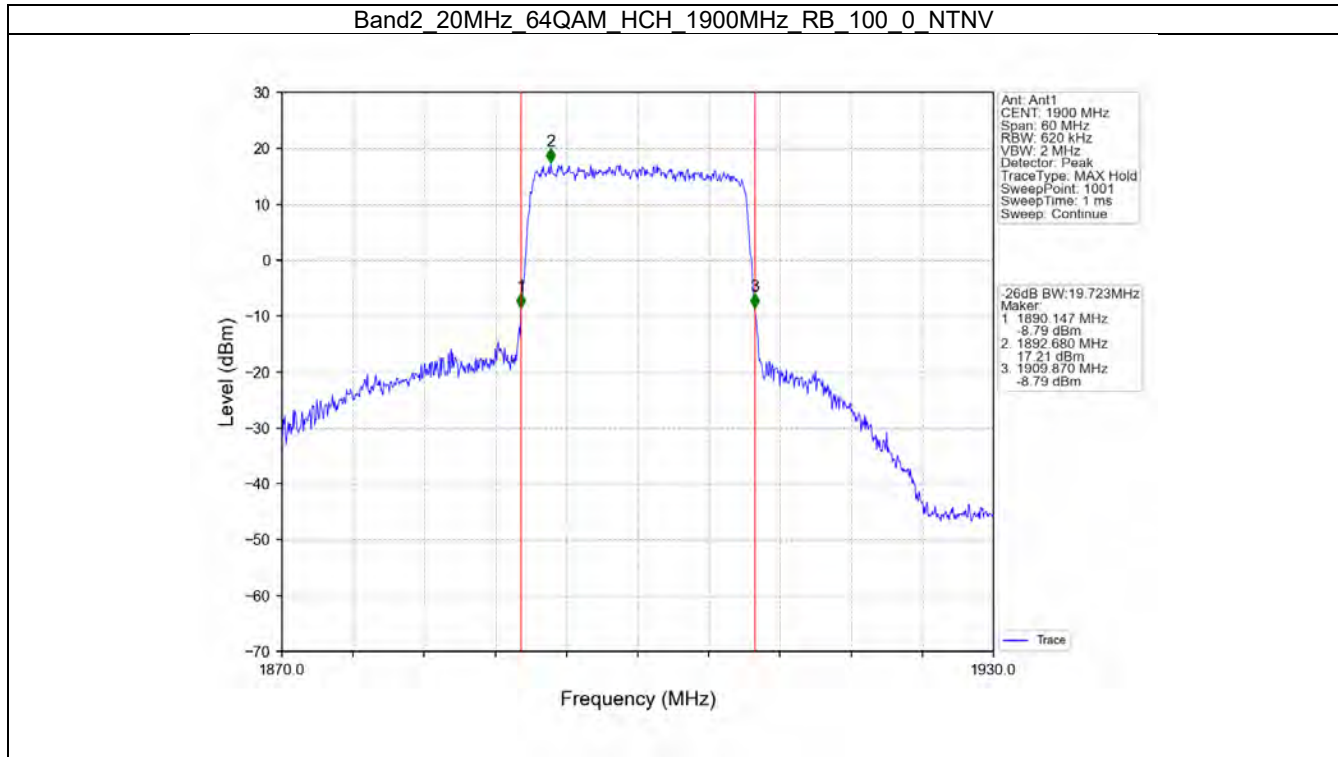


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## 4. Peak-Average Ratio

### 4.1 B2\_1.4MHz

#### 4.1.1 Test Result

Band: 2 / Bandwidth: 1.4MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1850.7	6	0	4.73	<=13	Pass
	1880	6	0	5.47	<=13	Pass
	1909.3	6	0	5.20	<=13	Pass
16QAM	1850.7	6	0	5.96	<=13	Pass
	1880	6	0	6.38	<=13	Pass
	1909.3	6	0	6.29	<=13	Pass
64QAM	1850.7	6	0	5.56	<=13	Pass
	1880	6	0	6.43	<=13	Pass
	1909.3	6	0	5.97	<=13	Pass



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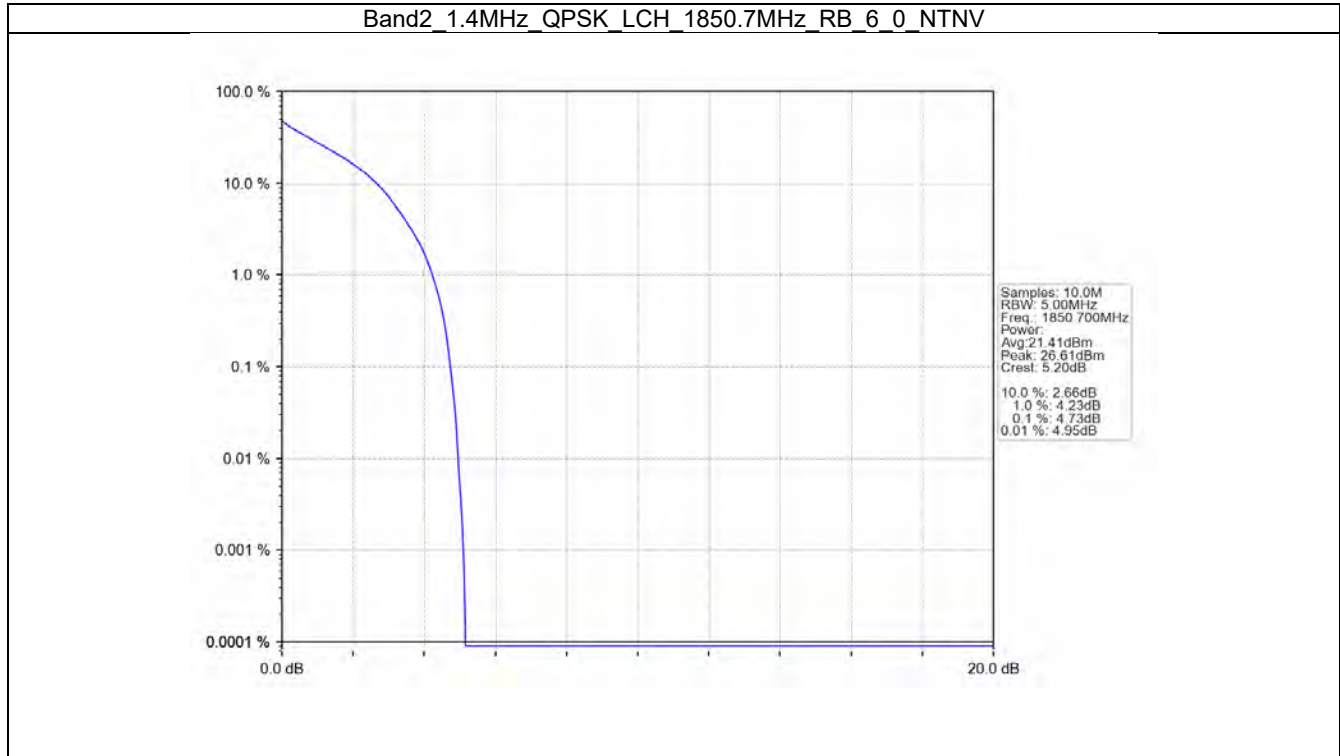
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4.1.2 Test Graph



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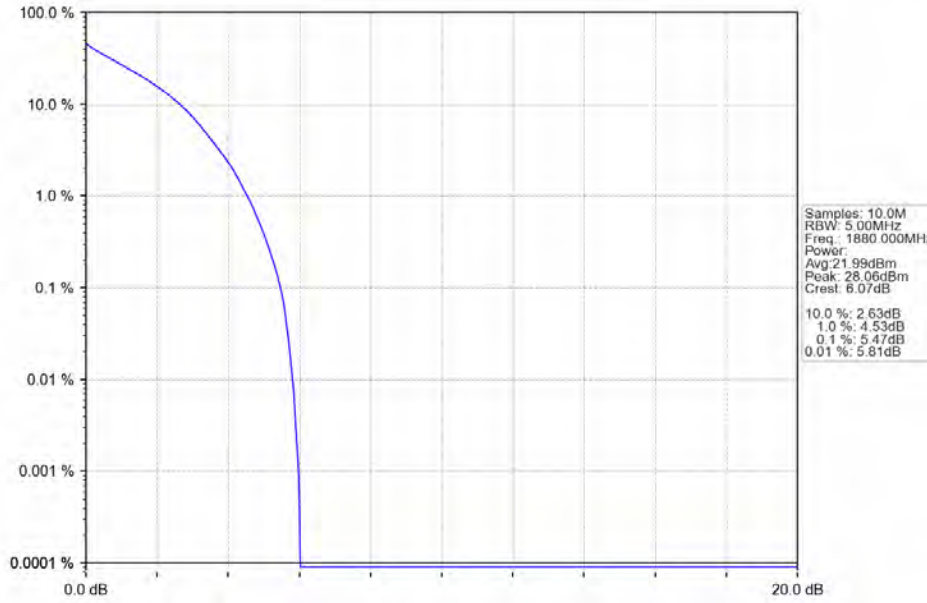
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Band2\_1.4MHz\_QPSK\_MCH\_1880MHz\_RB\_6\_0\_NTNV



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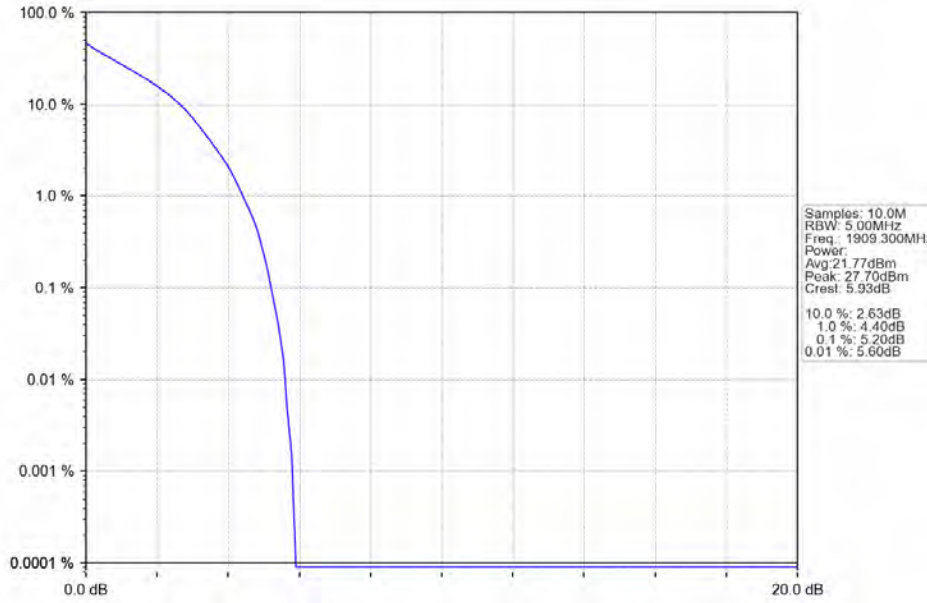
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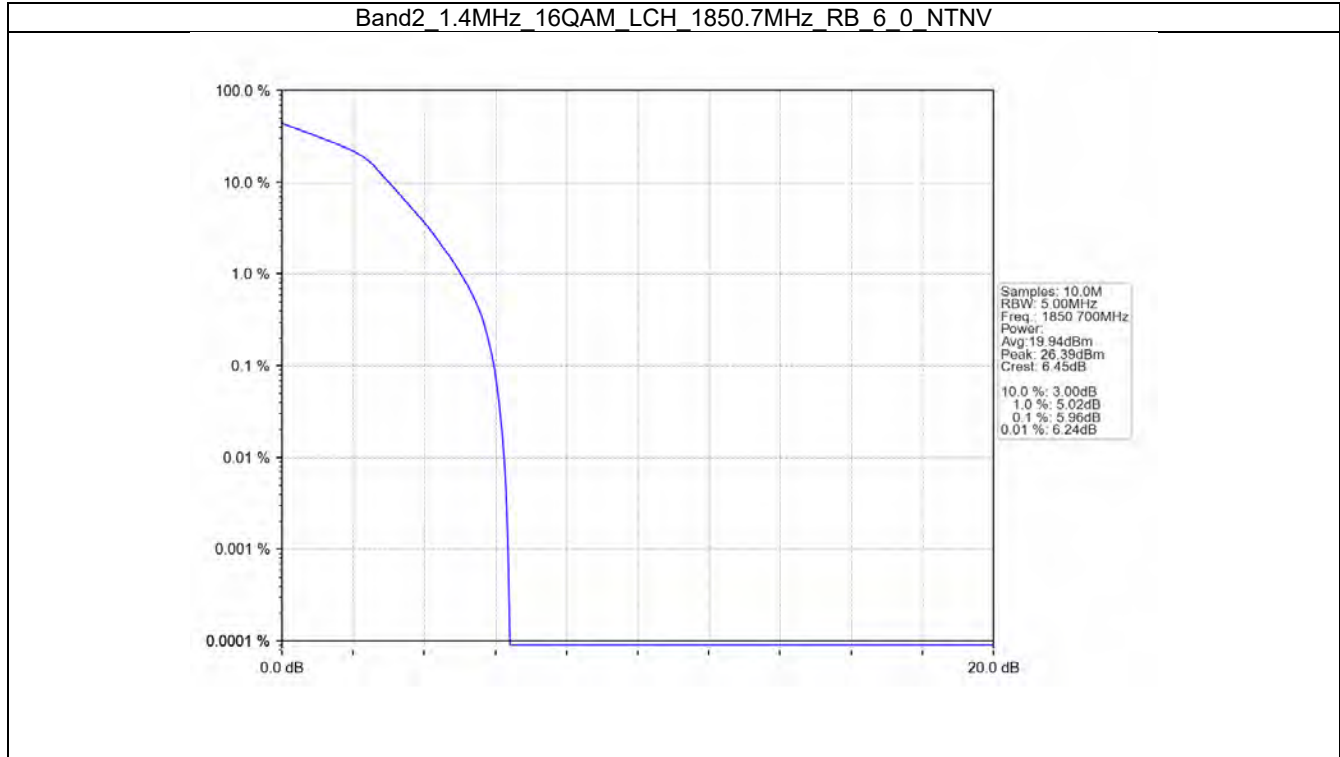
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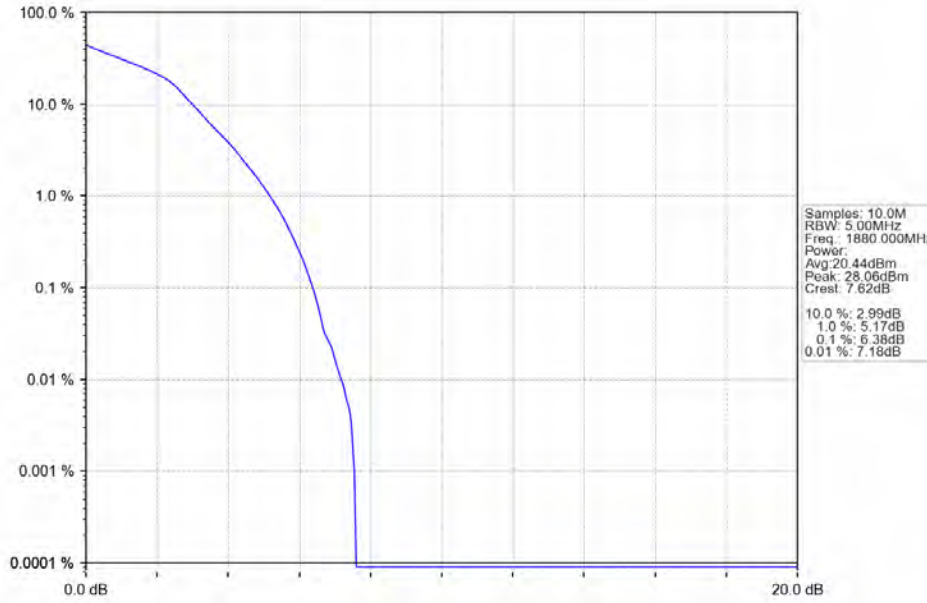
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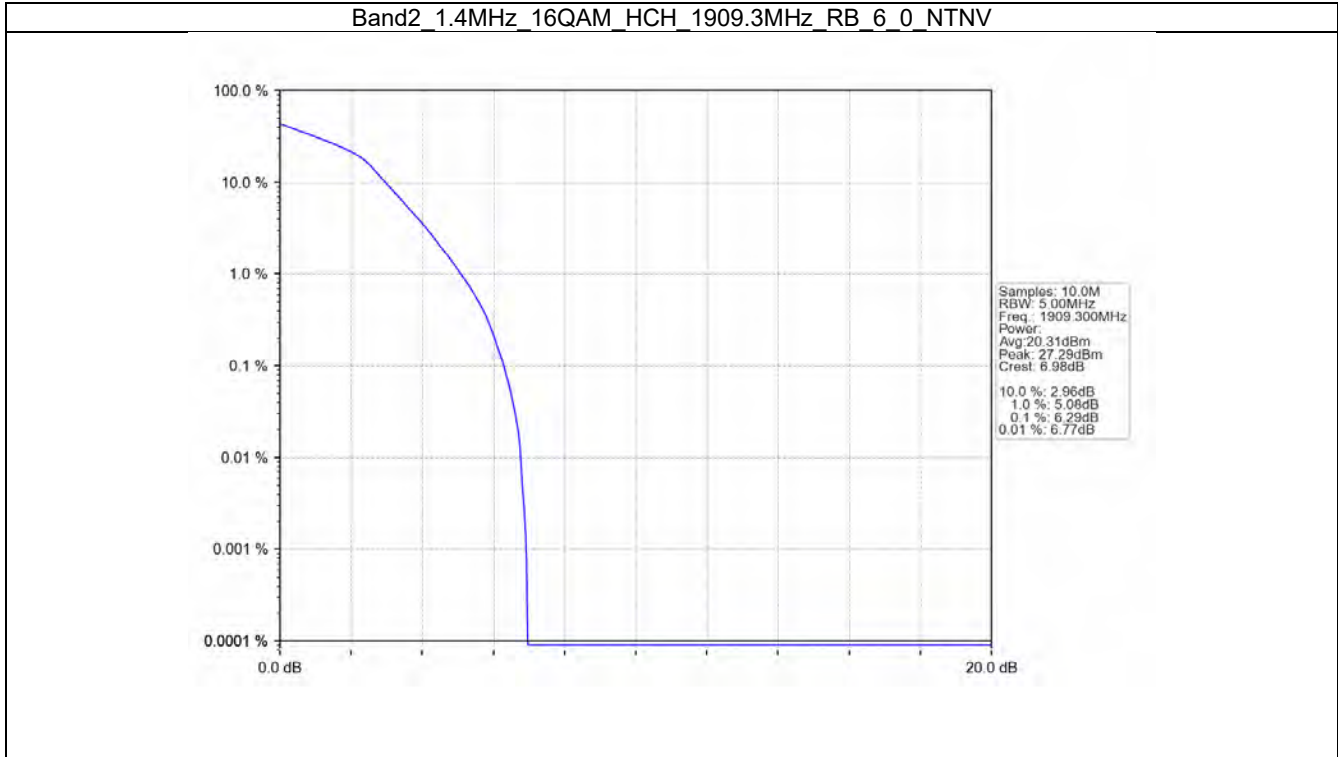
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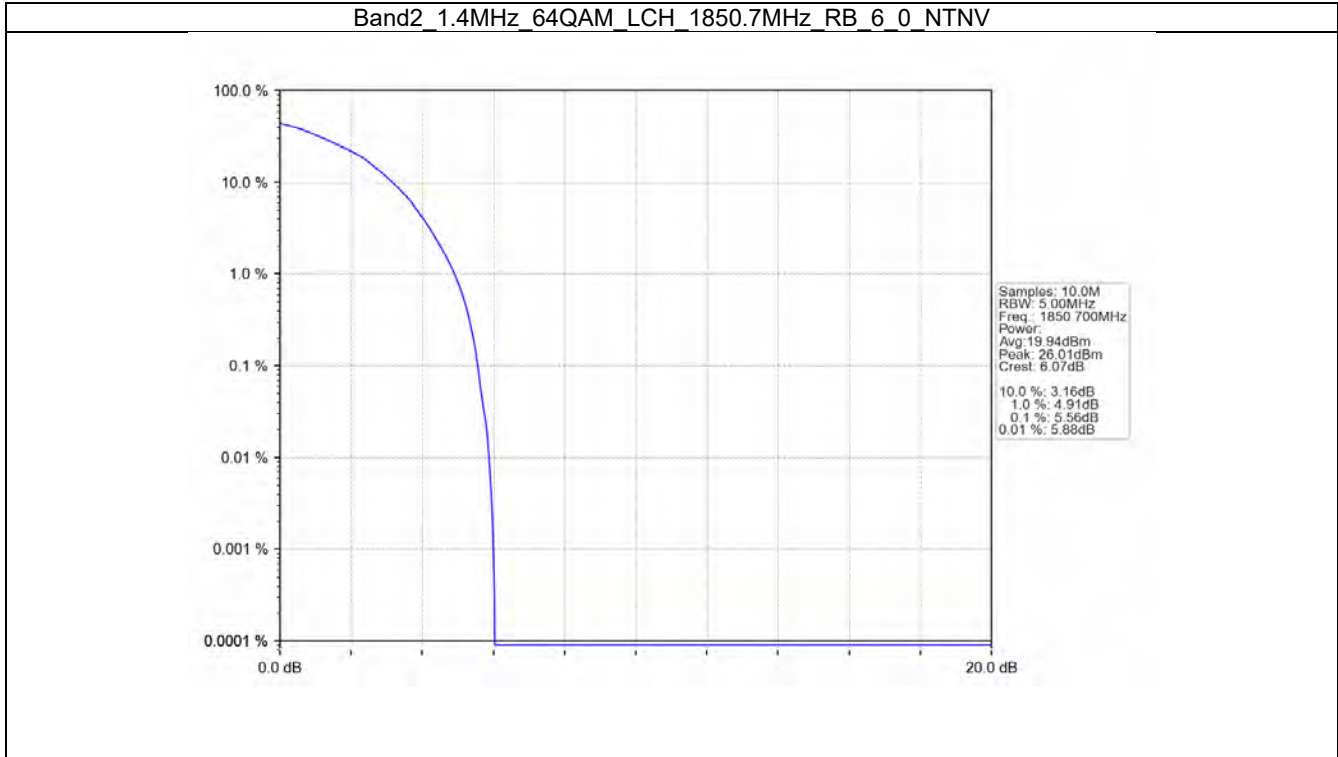
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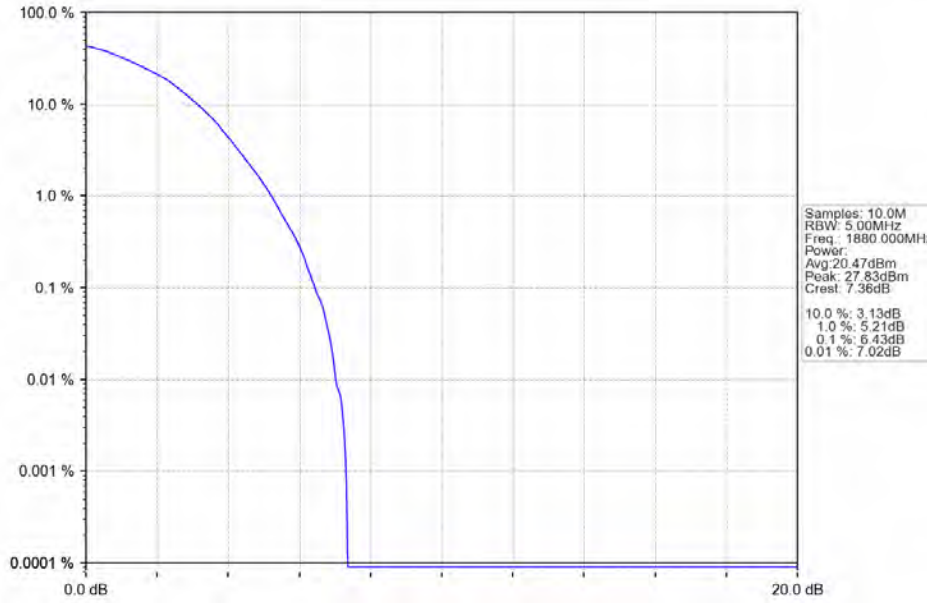




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Band2\_1.4MHz\_64QAM\_MCH\_1880MHz\_RB\_6\_0\_NTNV



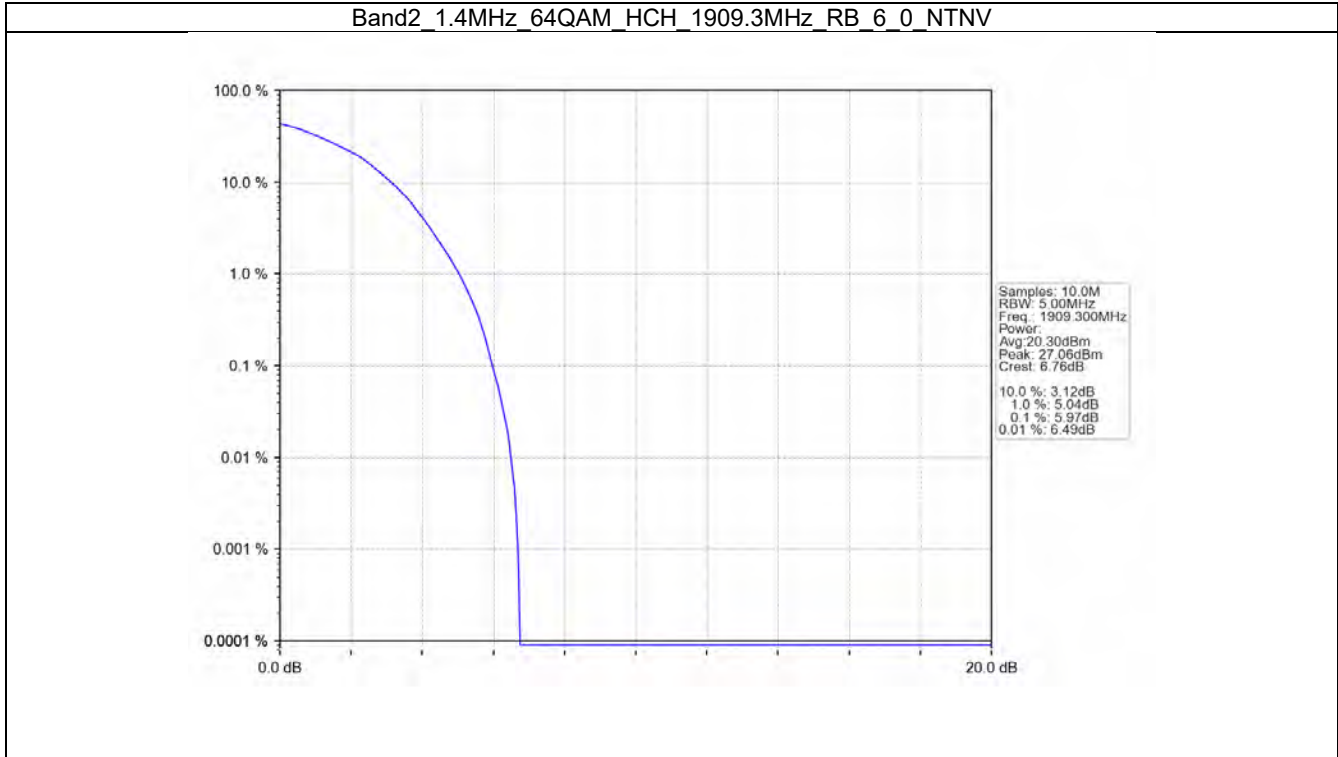
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## 4.2 B2\_3MHz

### 4.2.1 Test Result

Band: 2 / Bandwidth: 3MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1851.5	15	0	5.19	<=13	Pass
	1880	15	0	5.58	<=13	Pass
	1908.5	15	0	5.46	<=13	Pass
16QAM	1851.5	15	0	6.25	<=13	Pass
	1880	15	0	6.46	<=13	Pass
	1908.5	15	0	6.41	<=13	Pass
64QAM	1851.5	15	0	6.06	<=13	Pass
	1880	15	0	6.41	<=13	Pass
	1908.5	15	0	6.41	<=13	Pass



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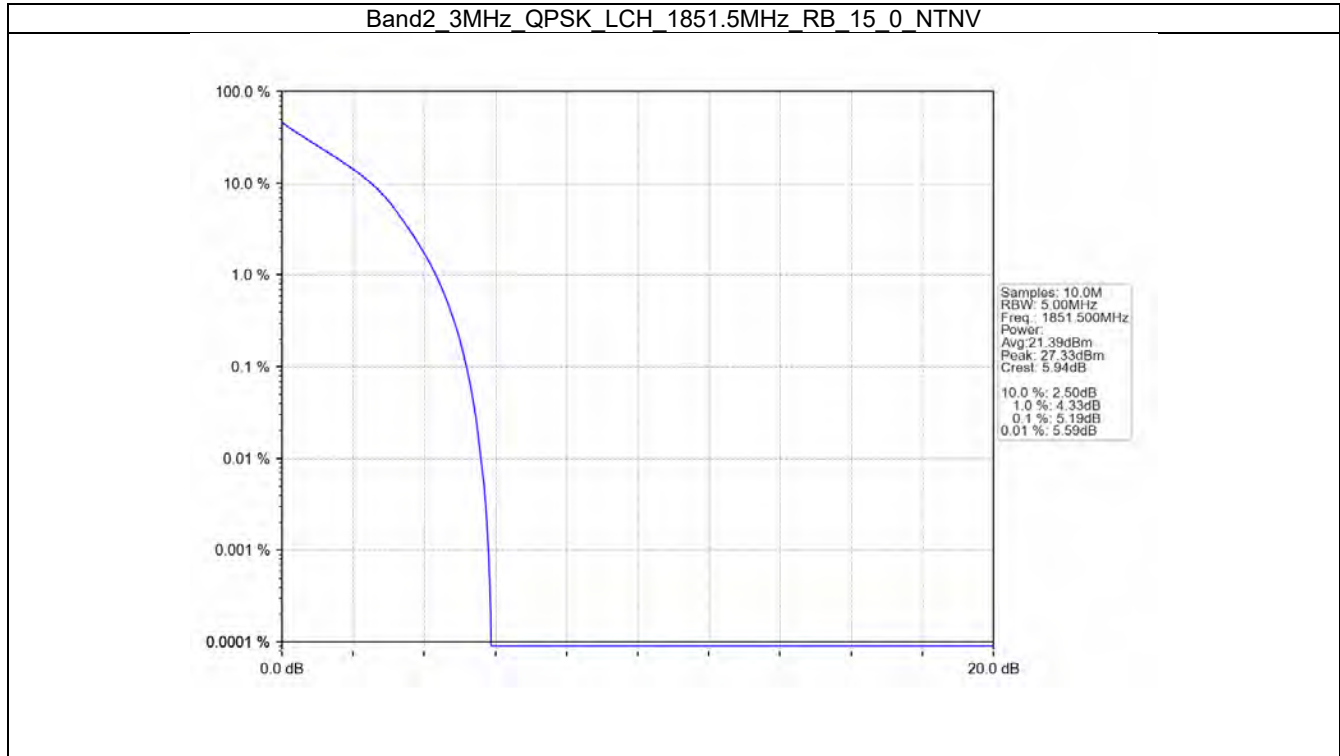
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4.2.2 Test Graph



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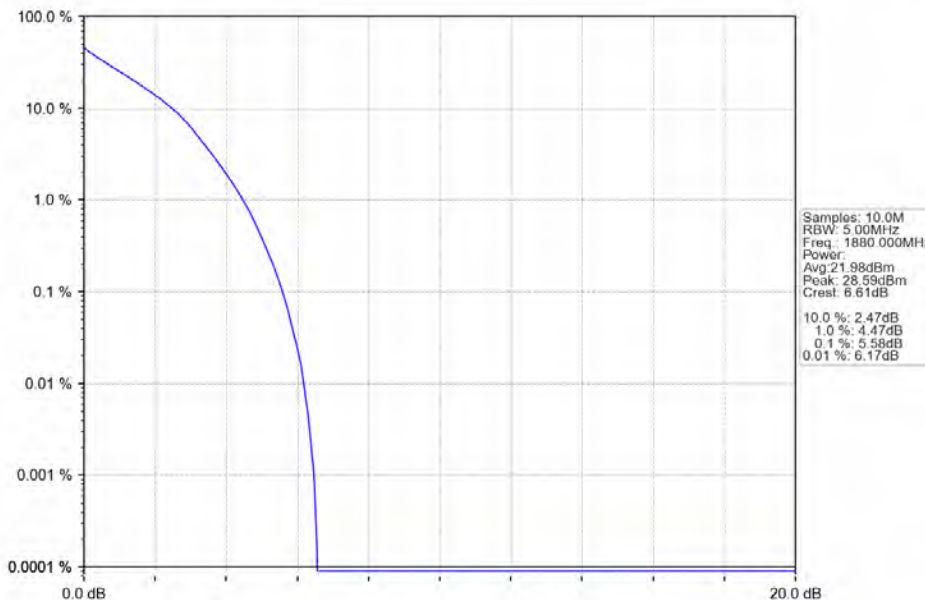
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Band2\_3MHz\_QPSK\_MCH\_1880MHz\_RB\_15\_0\_NTNV



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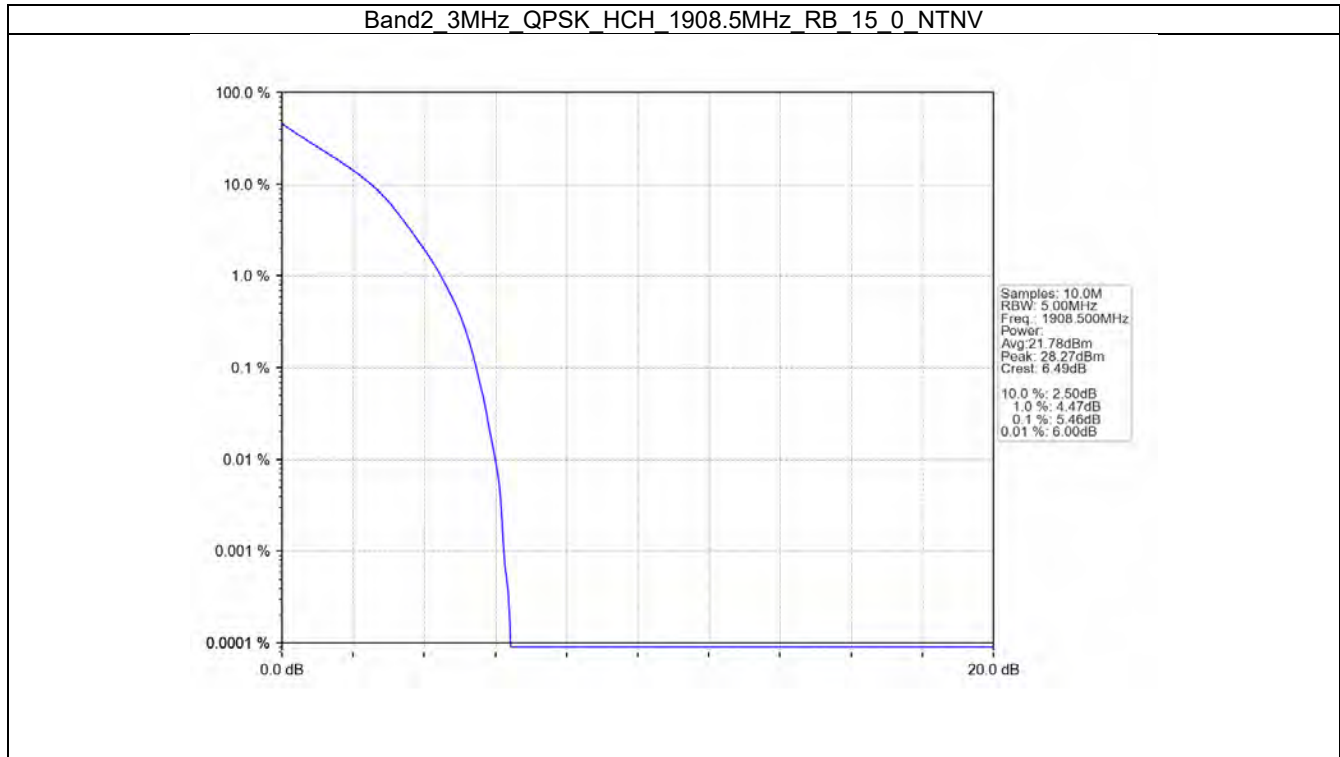


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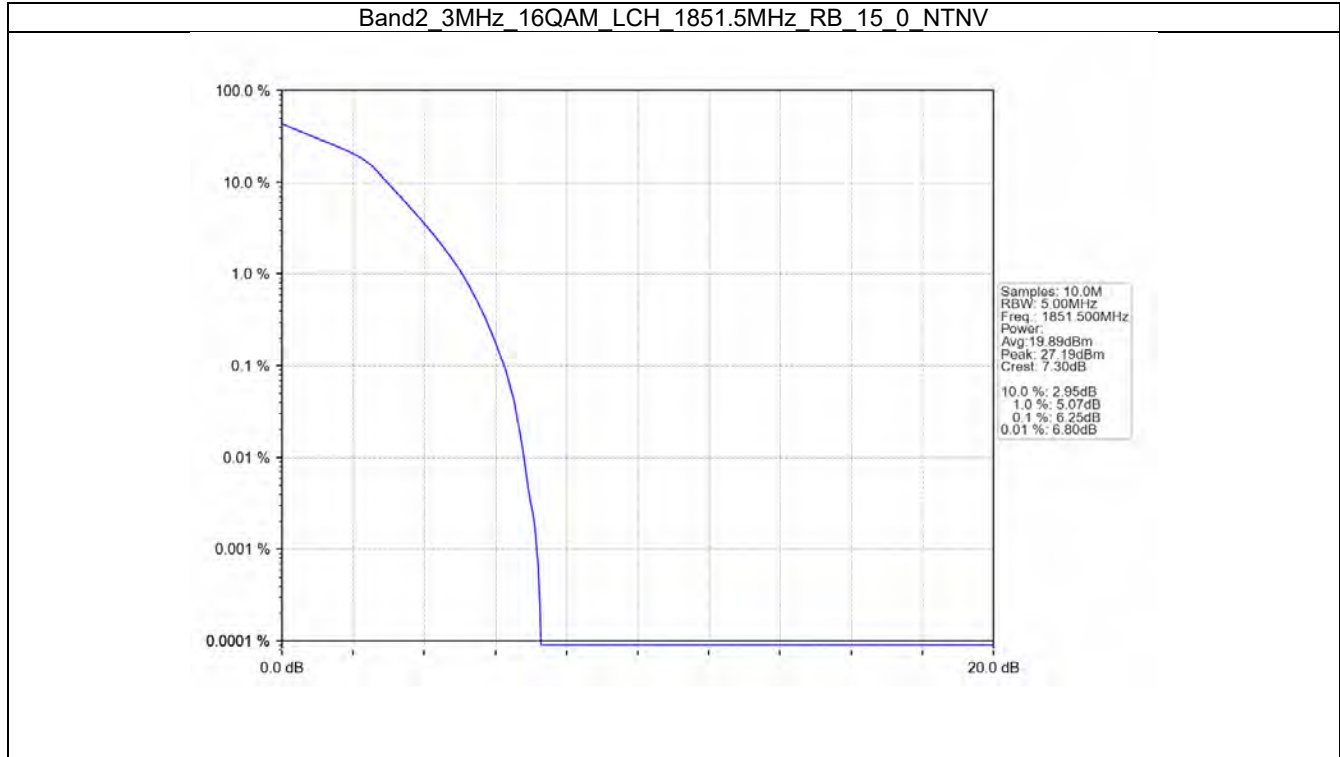
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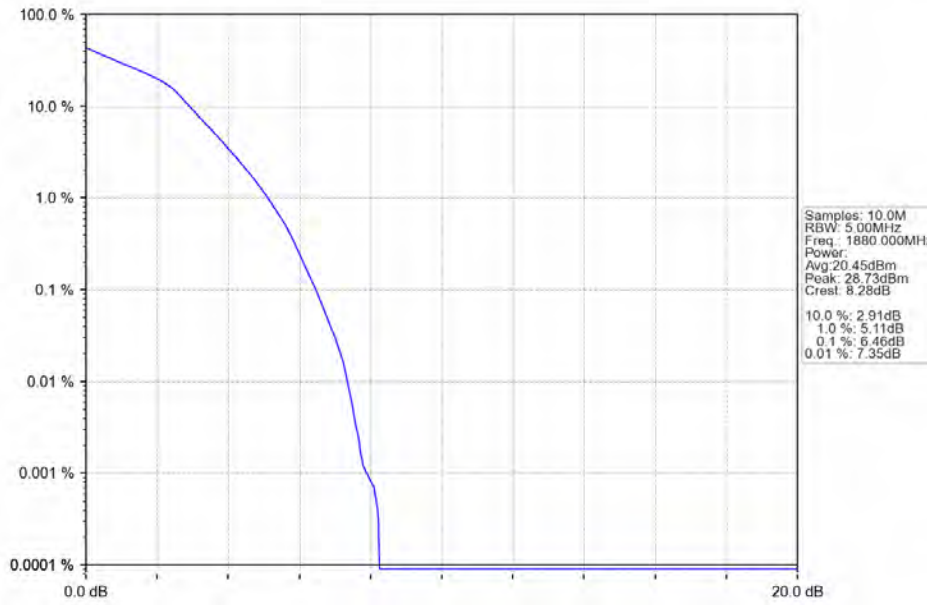
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Band2\_3MHz\_16QAM\_MCH\_1880MHz\_RB\_15\_0\_NTNV



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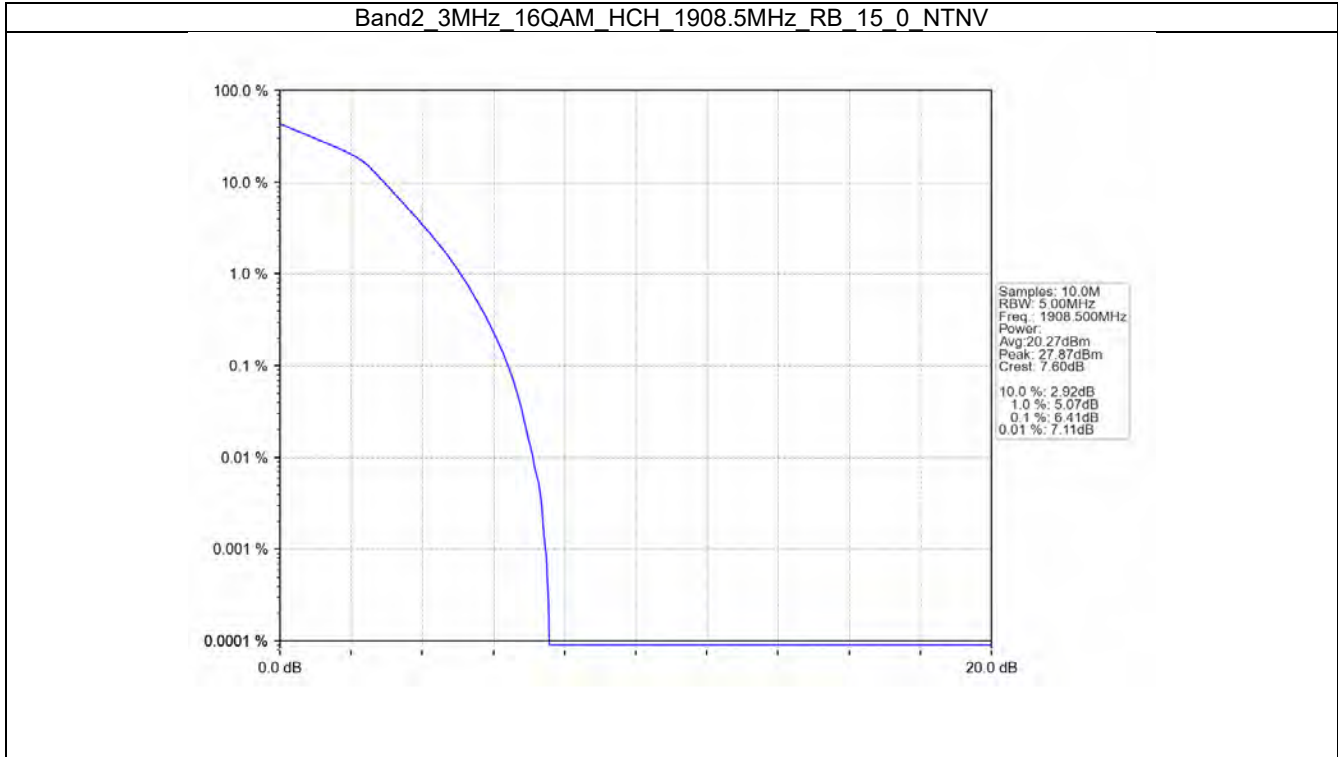
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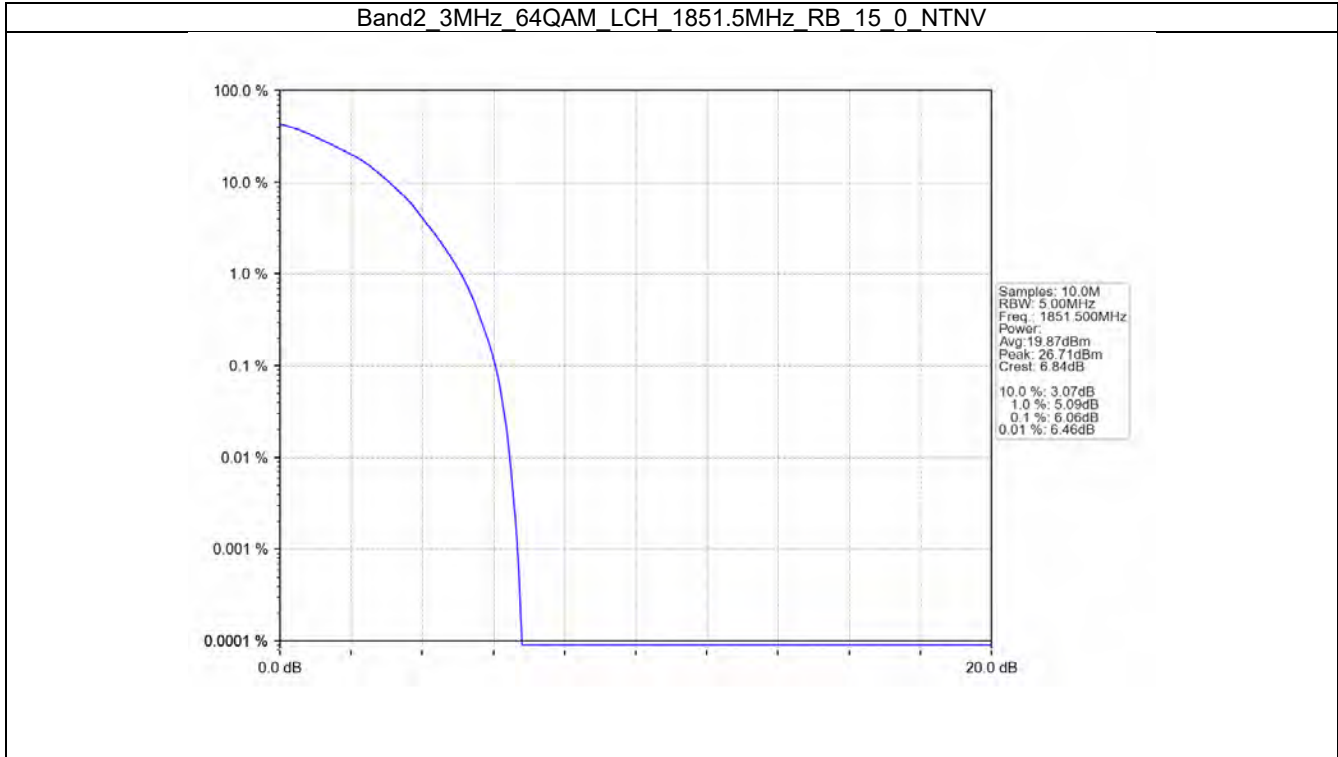
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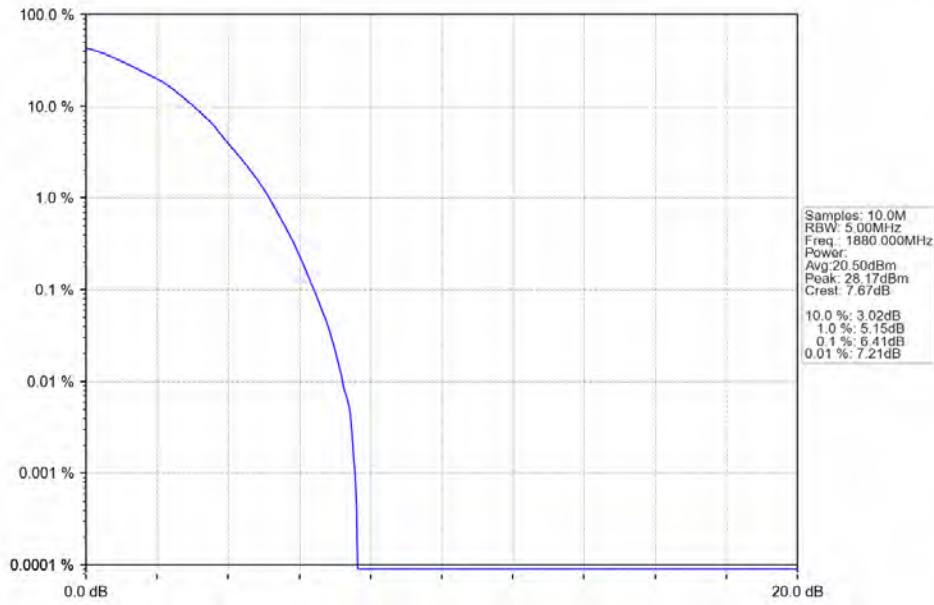
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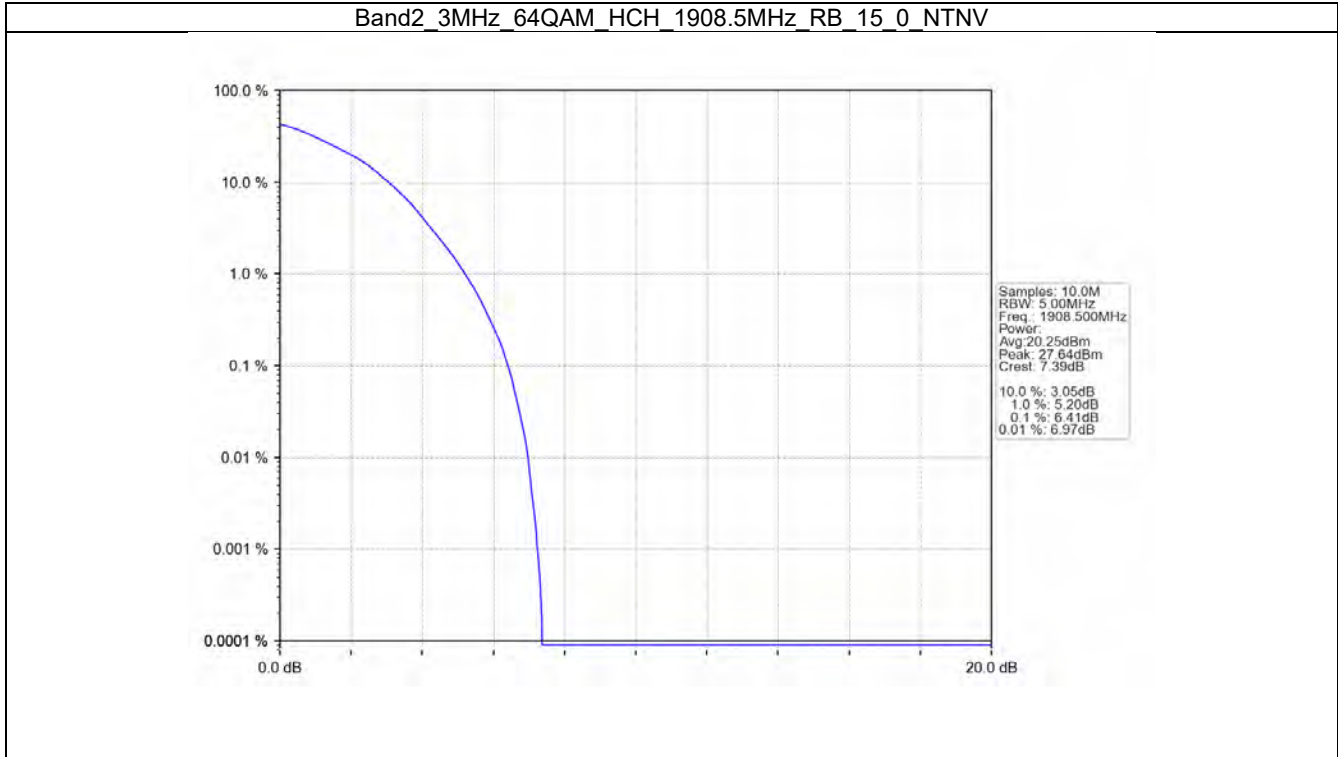
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## 4.3 B2\_5MHz

### 4.3.1 Test Result

Band: 2 / Bandwidth: 5MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1852.5	25	0	5.41	<=13	Pass
	1880	25	0	5.69	<=13	Pass
	1907.5	25	0	5.58	<=13	Pass
16QAM	1852.5	25	0	6.26	<=13	Pass
	1880	25	0	6.41	<=13	Pass
	1907.5	25	0	6.41	<=13	Pass
64QAM	1852.5	25	0	6.20	<=13	Pass
	1880	25	0	6.45	<=13	Pass
	1907.5	25	0	6.42	<=13	Pass



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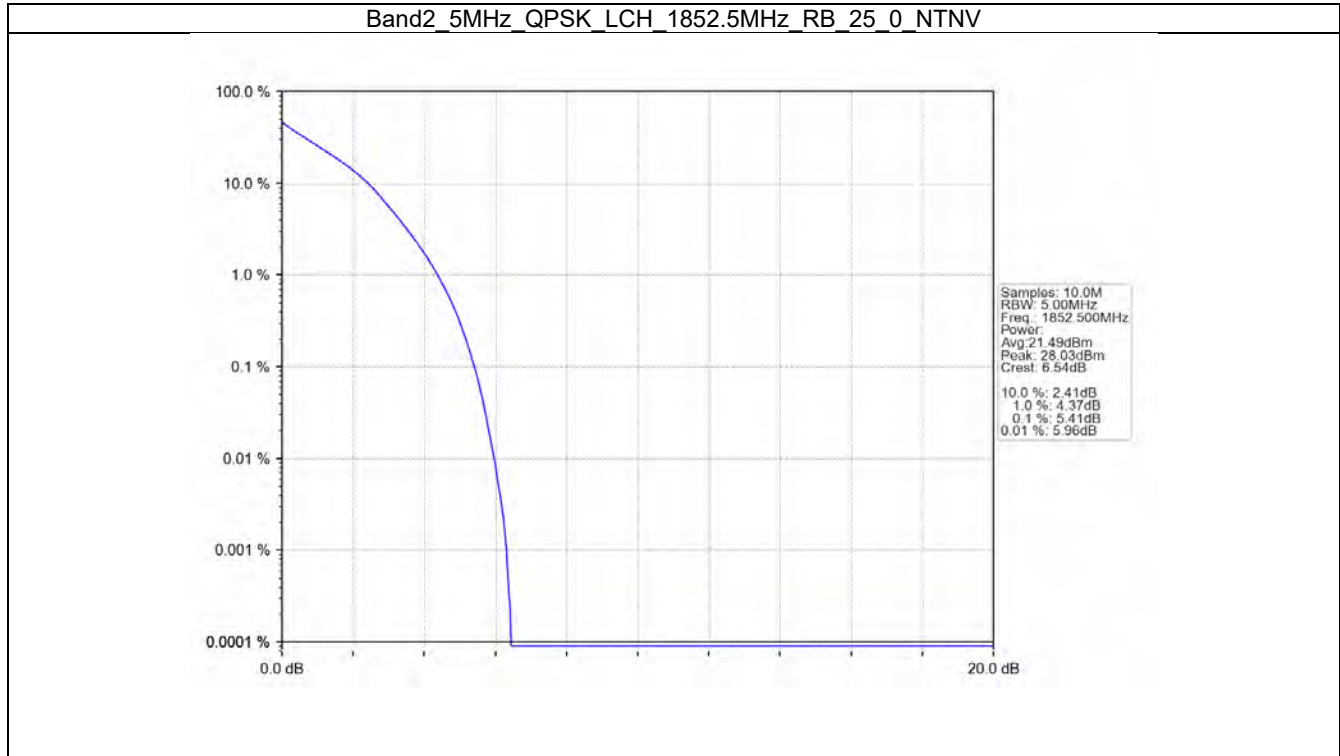
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## 4.3.2 Test Graph



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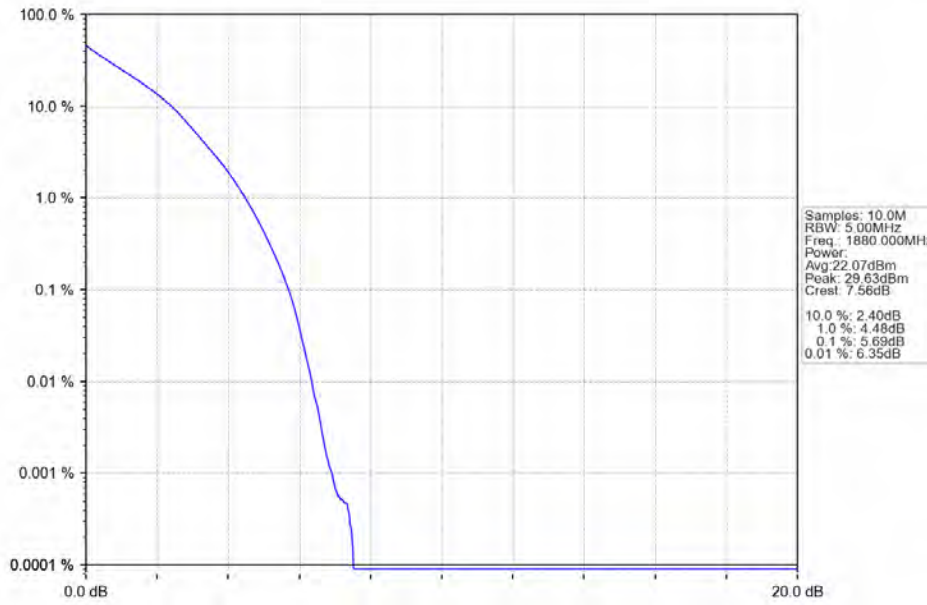
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Band2\_5MHz\_QPSK\_MCH\_1880MHz\_RB\_25\_0\_NTNV



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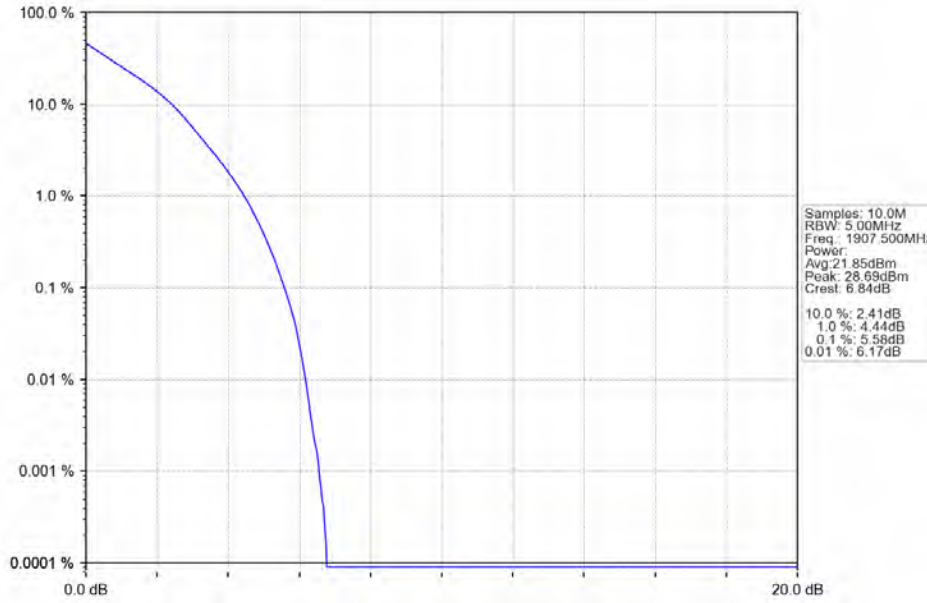
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Band2\_5MHz\_QPSK\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



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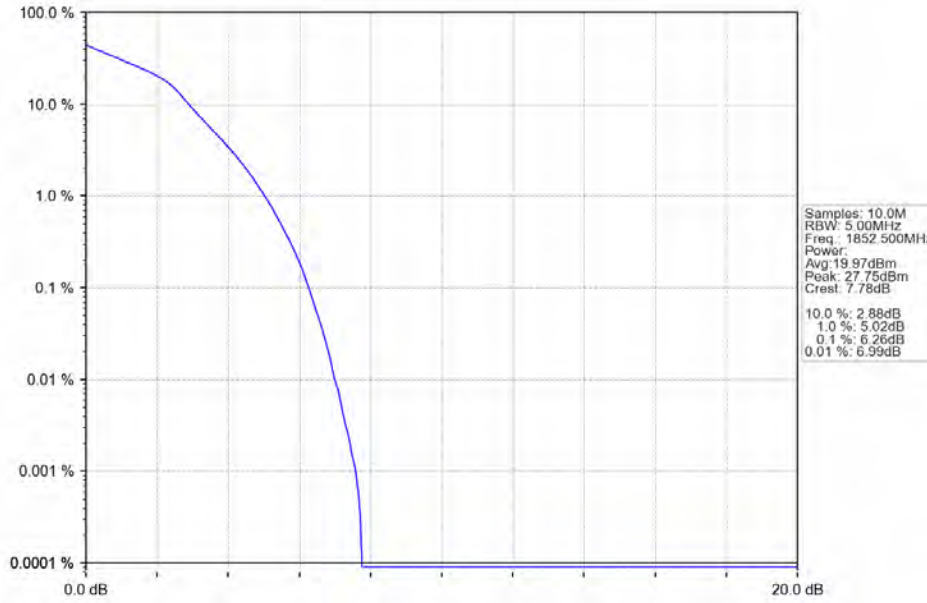




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Band2\_5MHz\_16QAM\_LCH\_1852.5MHz\_RB\_25\_0\_NTNV



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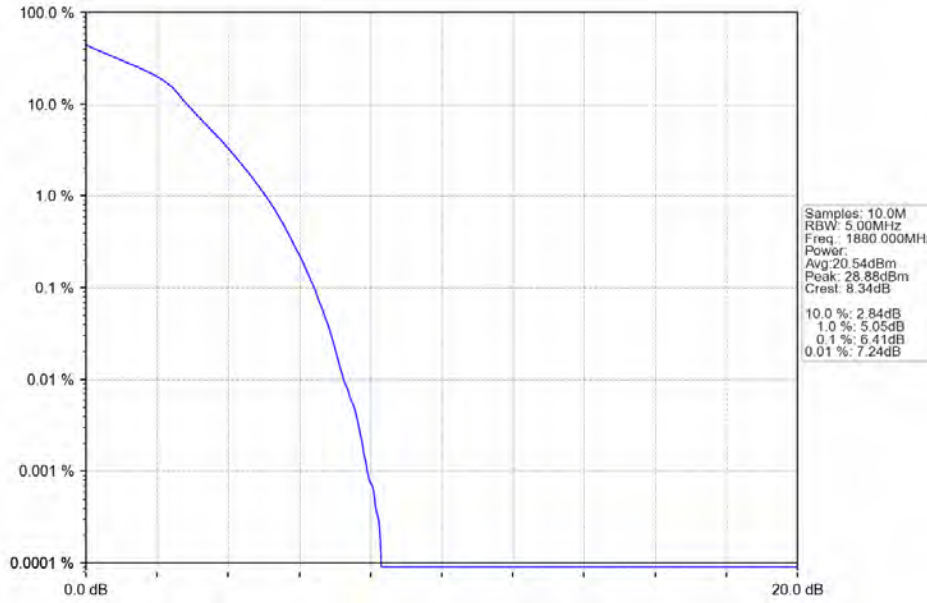
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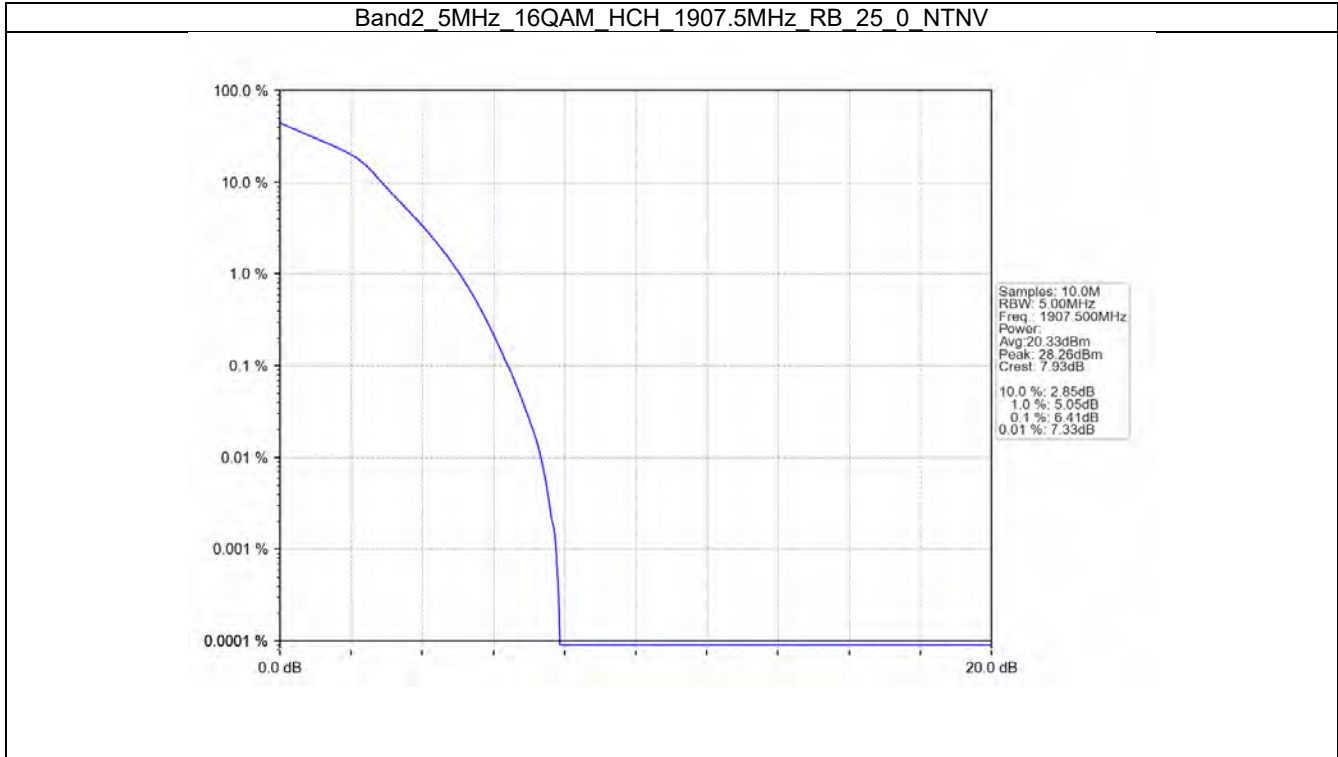
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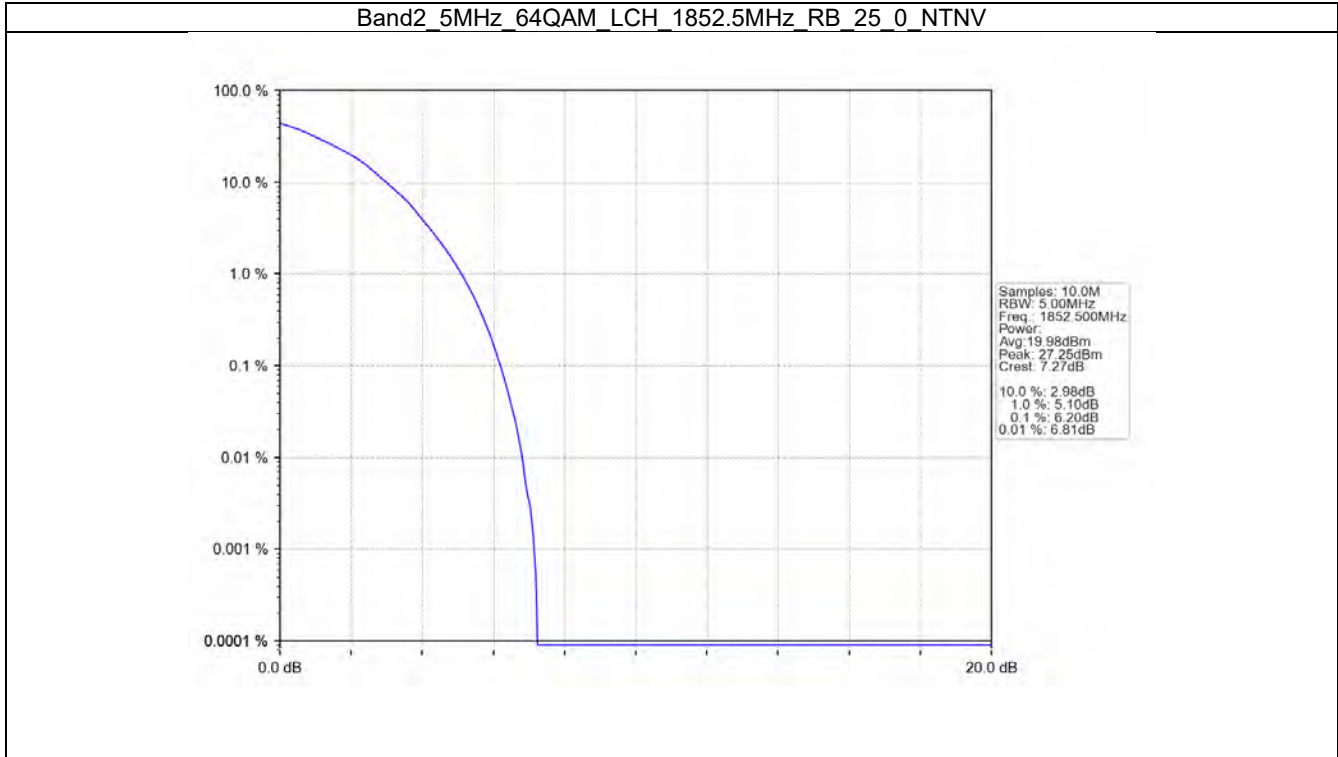
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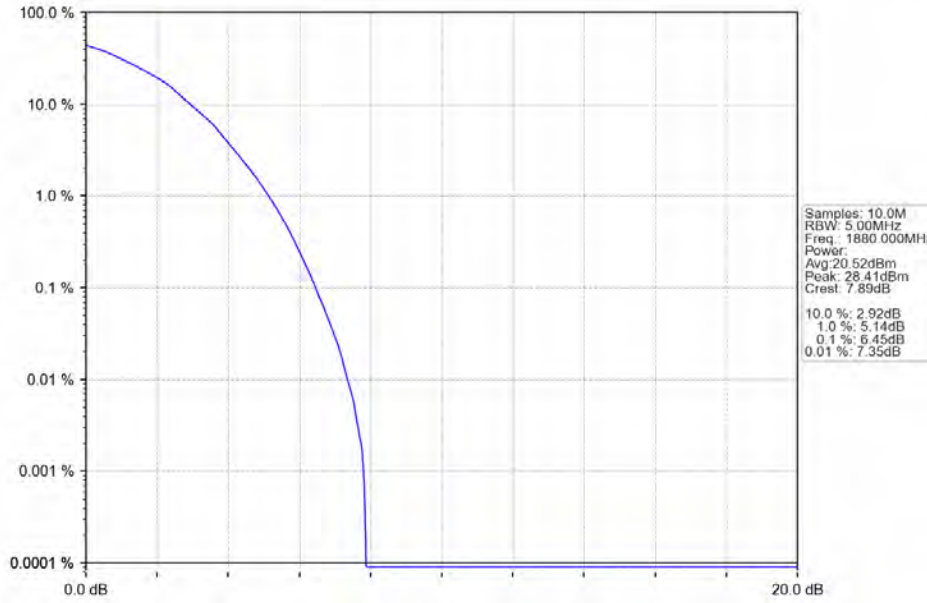
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Band2\_5MHz\_64QAM\_MCH\_1880MHz\_RB\_25\_0\_NTNV



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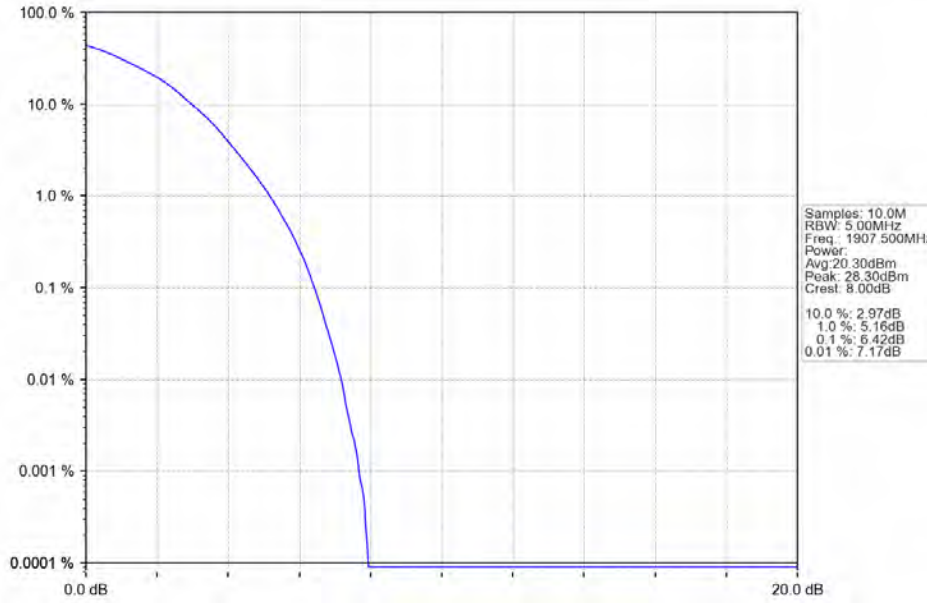
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Band2\_5MHz\_64QAM\_HCH\_1907.5MHz\_RB\_25\_0\_NTNV



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## 4.4 B2\_10MHz

### 4.4.1 Test Result

Band: 2 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1855	50	0	5.46	<=13	Pass
	1880	50	0	5.59	<=13	Pass
	1905	50	0	5.53	<=13	Pass
16QAM	1855	50	0	6.32	<=13	Pass
	1880	50	0	6.44	<=13	Pass
	1905	50	0	6.38	<=13	Pass
64QAM	1855	50	0	6.29	<=13	Pass
	1880	50	0	6.48	<=13	Pass
	1905	50	0	6.42	<=13	Pass



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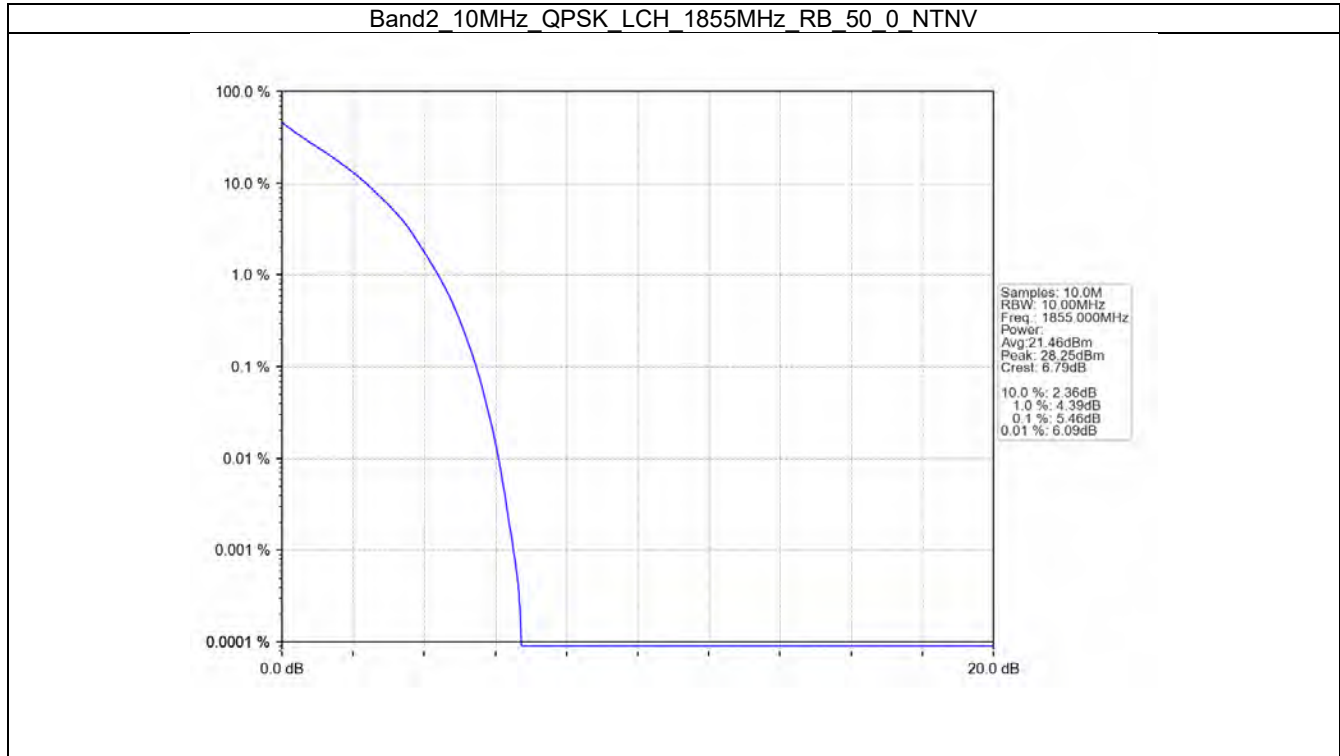
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## 4.4.2 Test Graph



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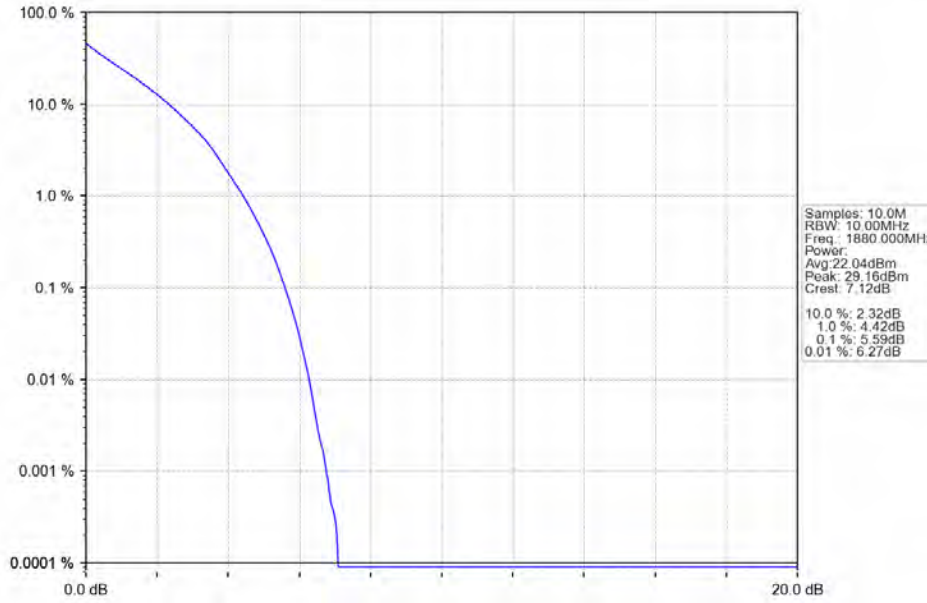




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Band2\_10MHz\_QPSK\_MCH\_1880MHz\_RB\_50\_0\_NTNV



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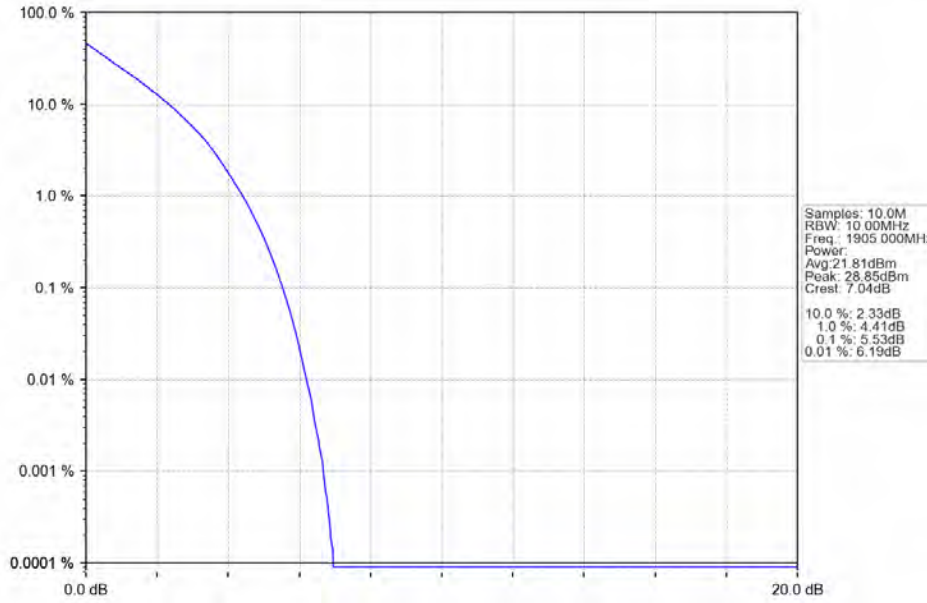
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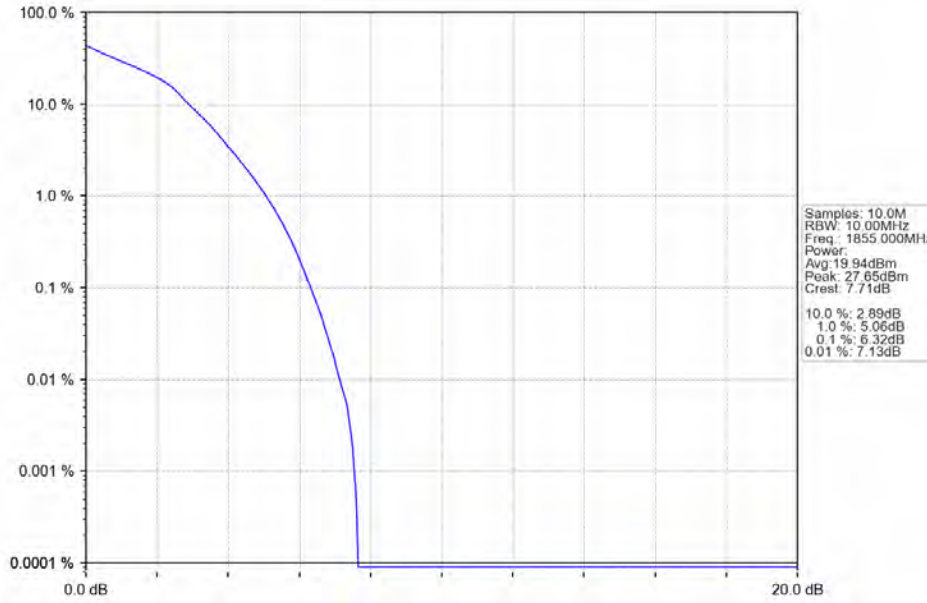
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Band2\_10MHz\_16QAM\_LCH\_1855MHz\_RB\_50\_0\_NTNV



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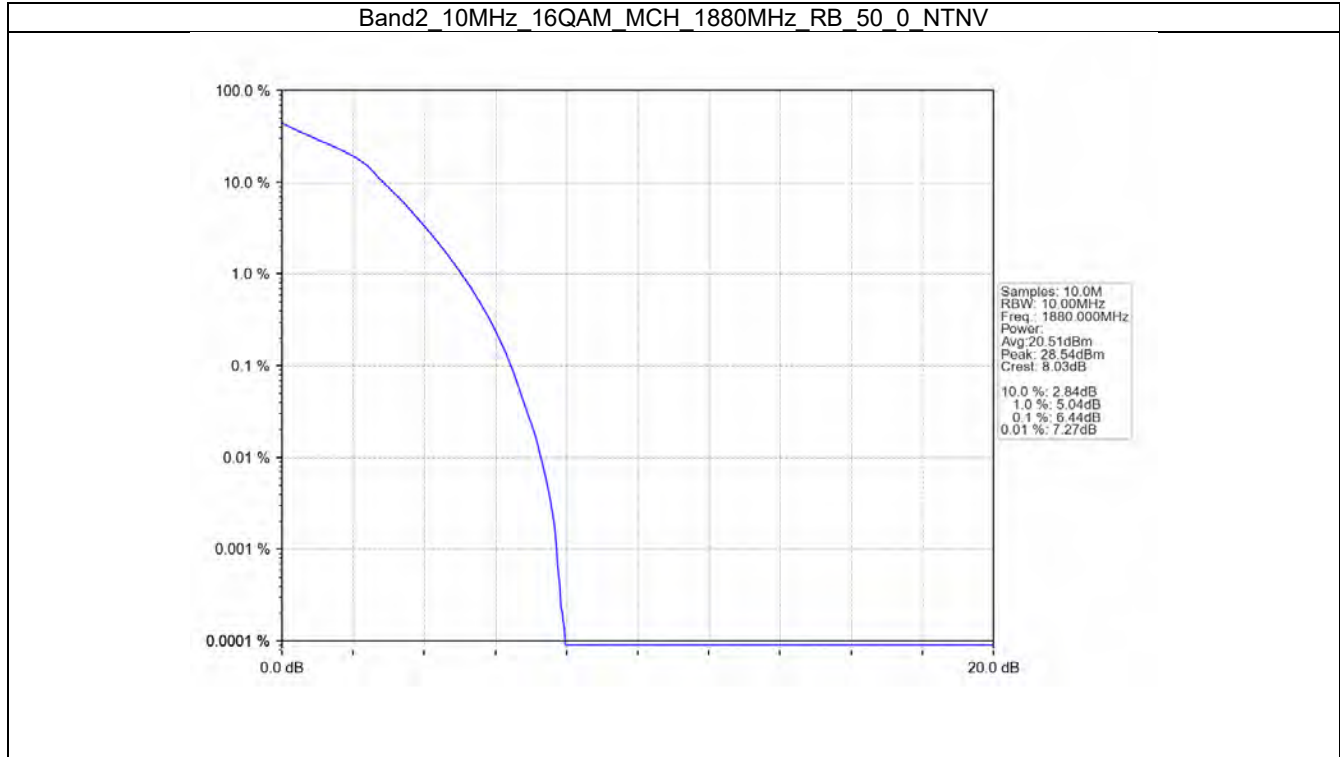
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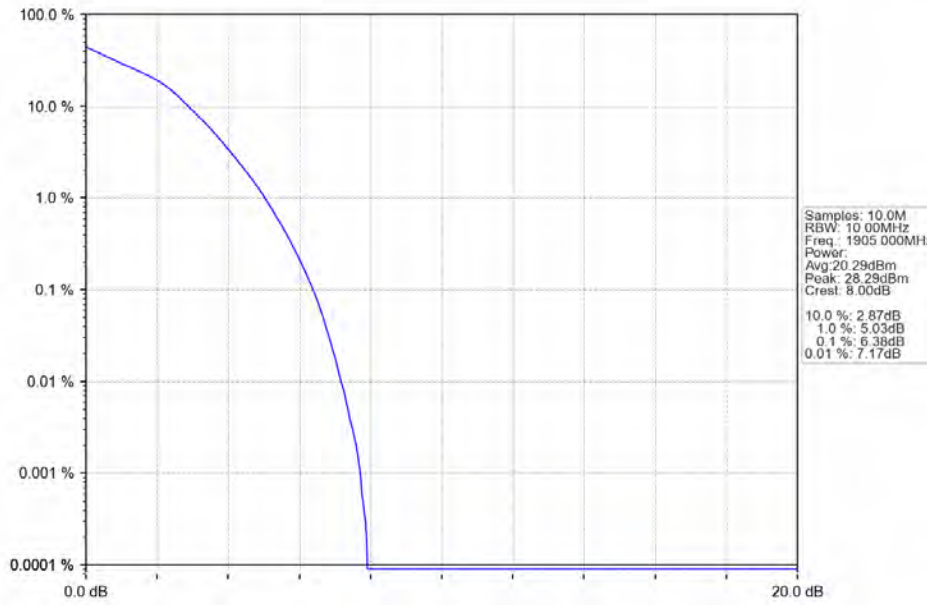
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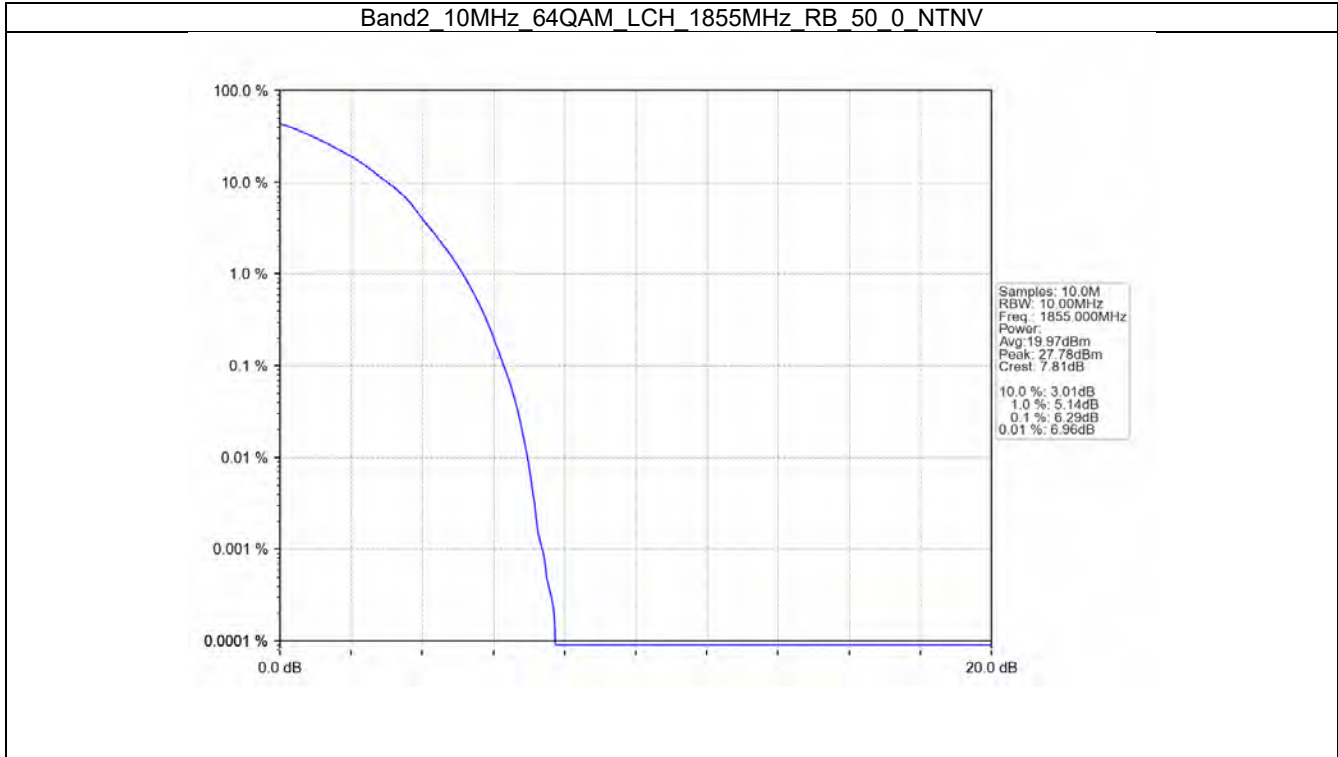
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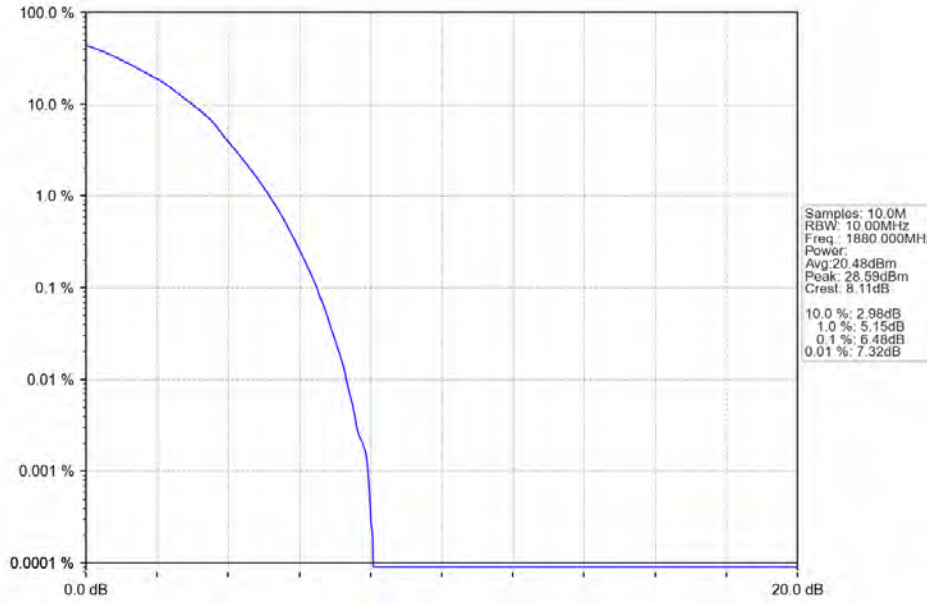
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Band2\_10MHz\_64QAM\_MCH\_1880MHz\_RB\_50\_0\_NTNV



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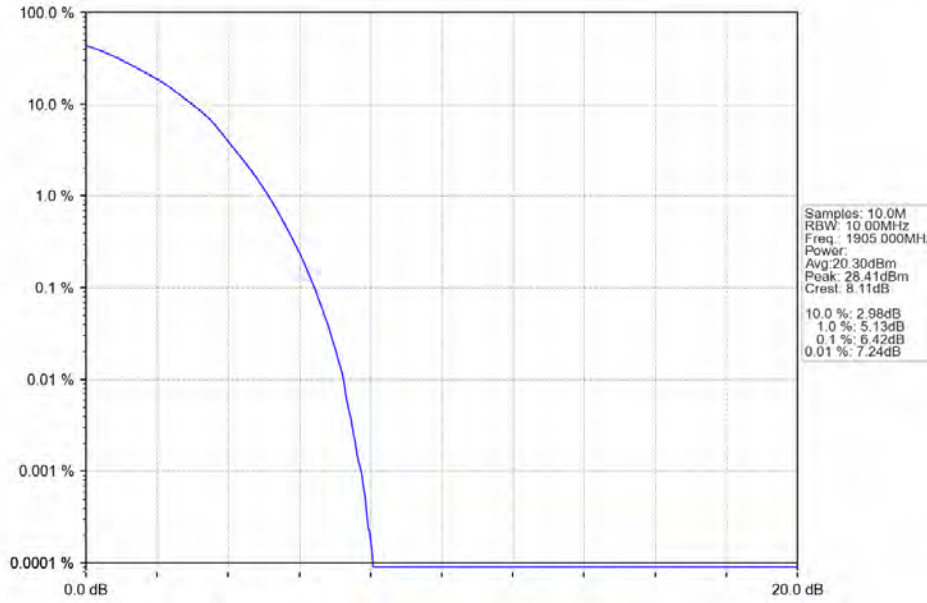
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## 4.5 B2\_15MHz

### 4.5.1 Test Result

Band: 2 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1857.5	75	0	5.86	<=13	Pass
	1880	75	0	5.90	<=13	Pass
	1902.5	75	0	5.84	<=13	Pass
16QAM	1857.5	75	0	6.47	<=13	Pass
	1880	75	0	6.44	<=13	Pass
	1902.5	75	0	6.39	<=13	Pass
64QAM	1857.5	75	0	6.40	<=13	Pass
	1880	75	0	6.44	<=13	Pass
	1902.5	75	0	6.43	<=13	Pass



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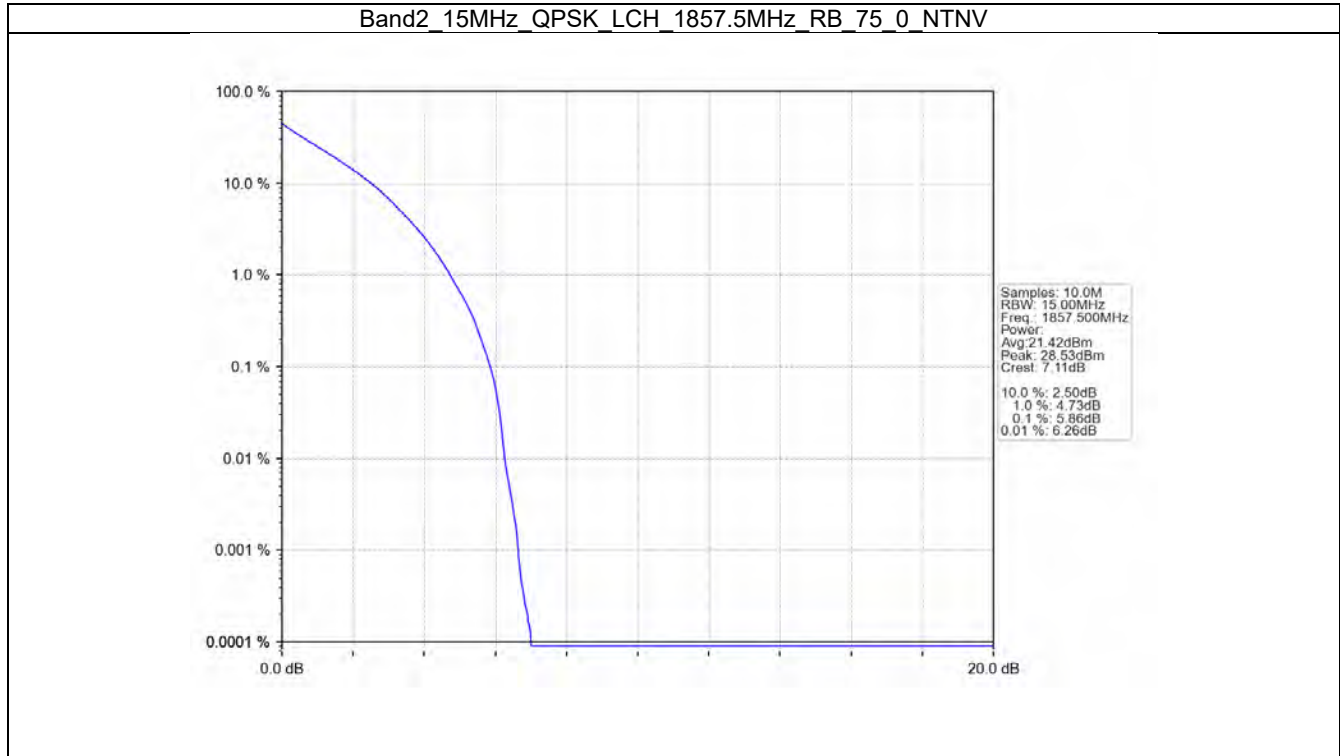
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## 4.5.2 Test Graph



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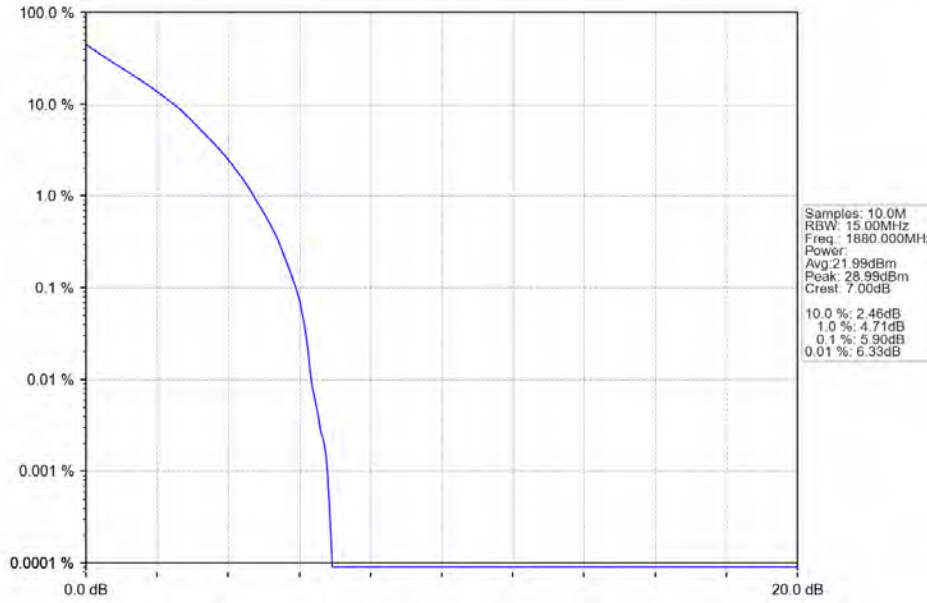
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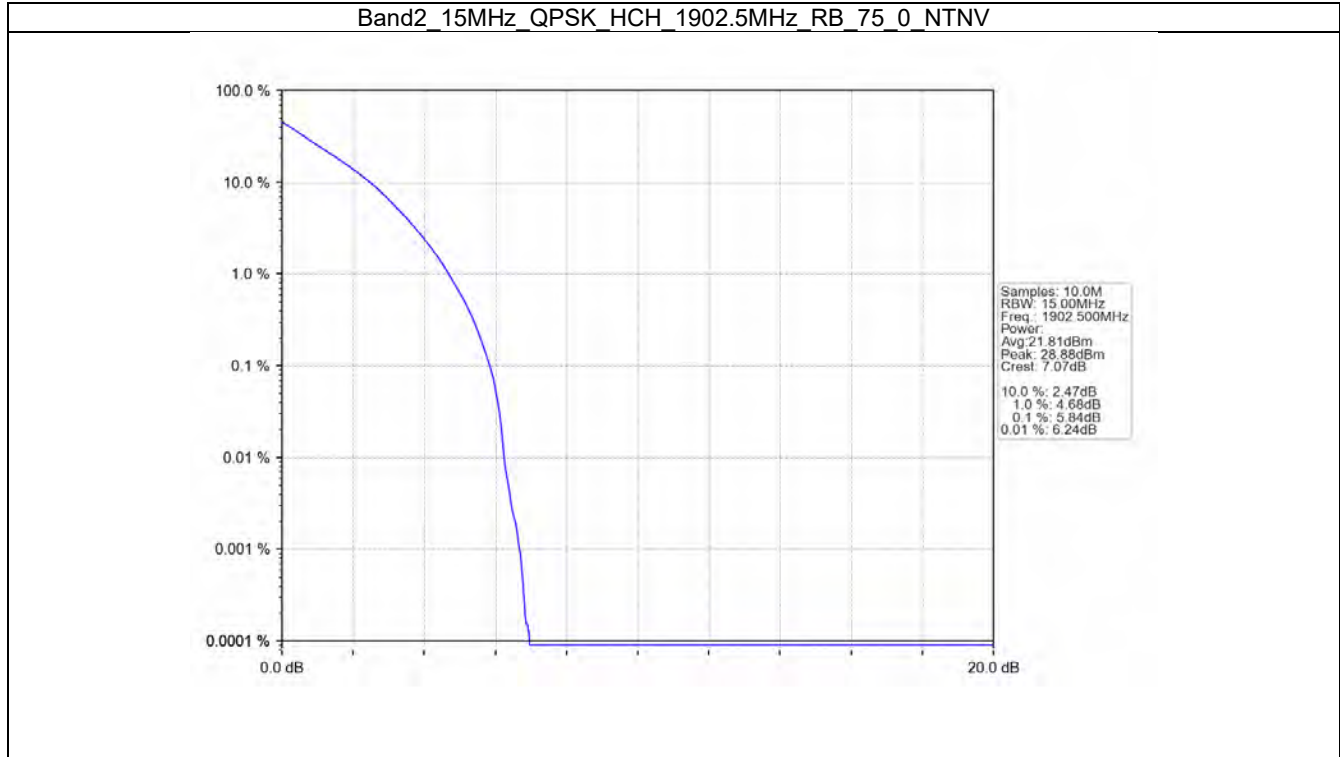
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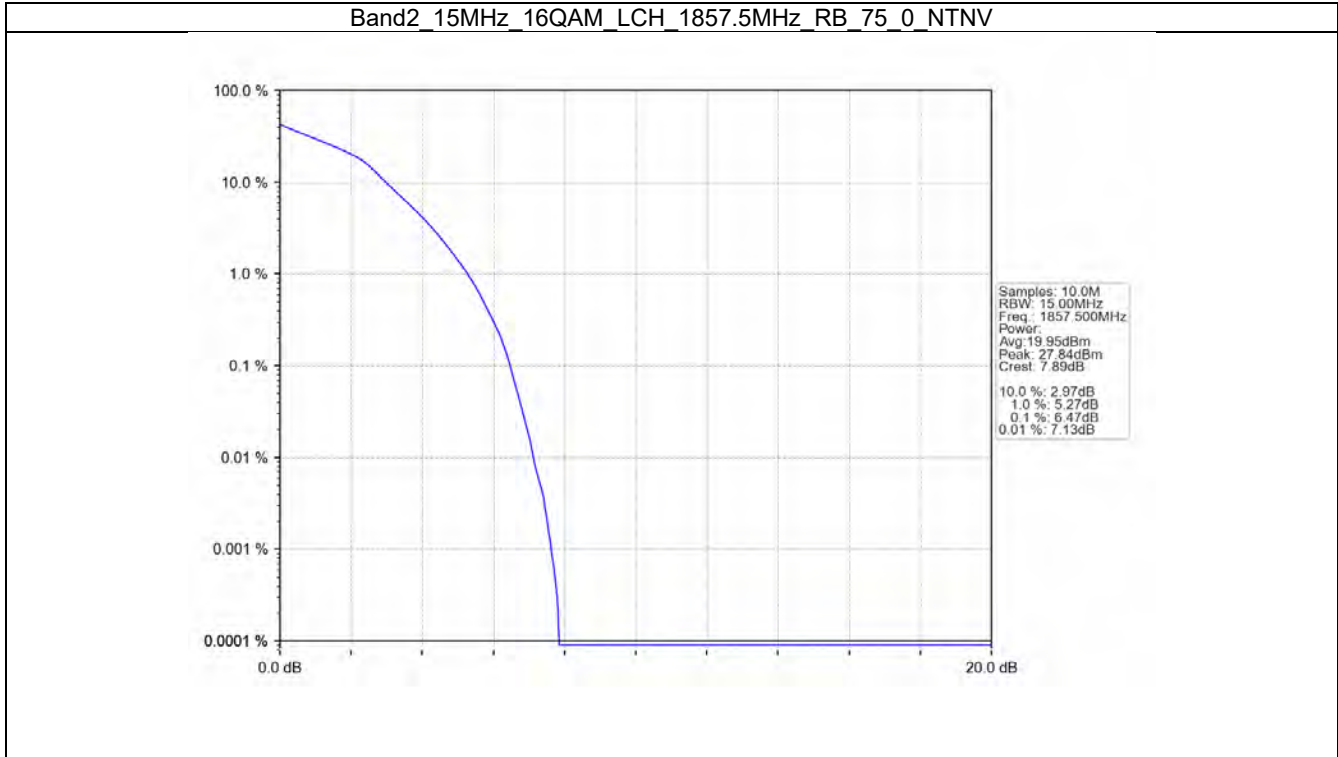
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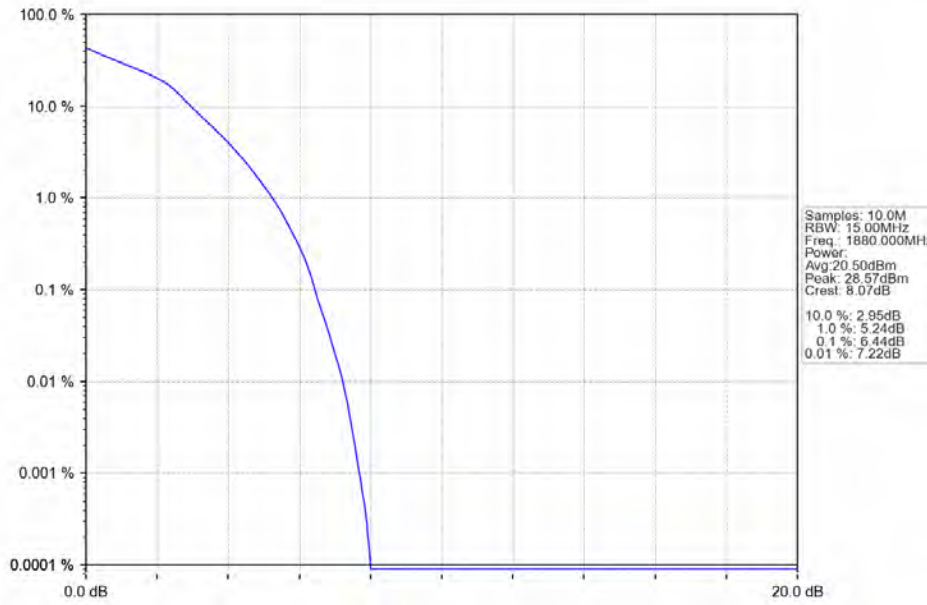
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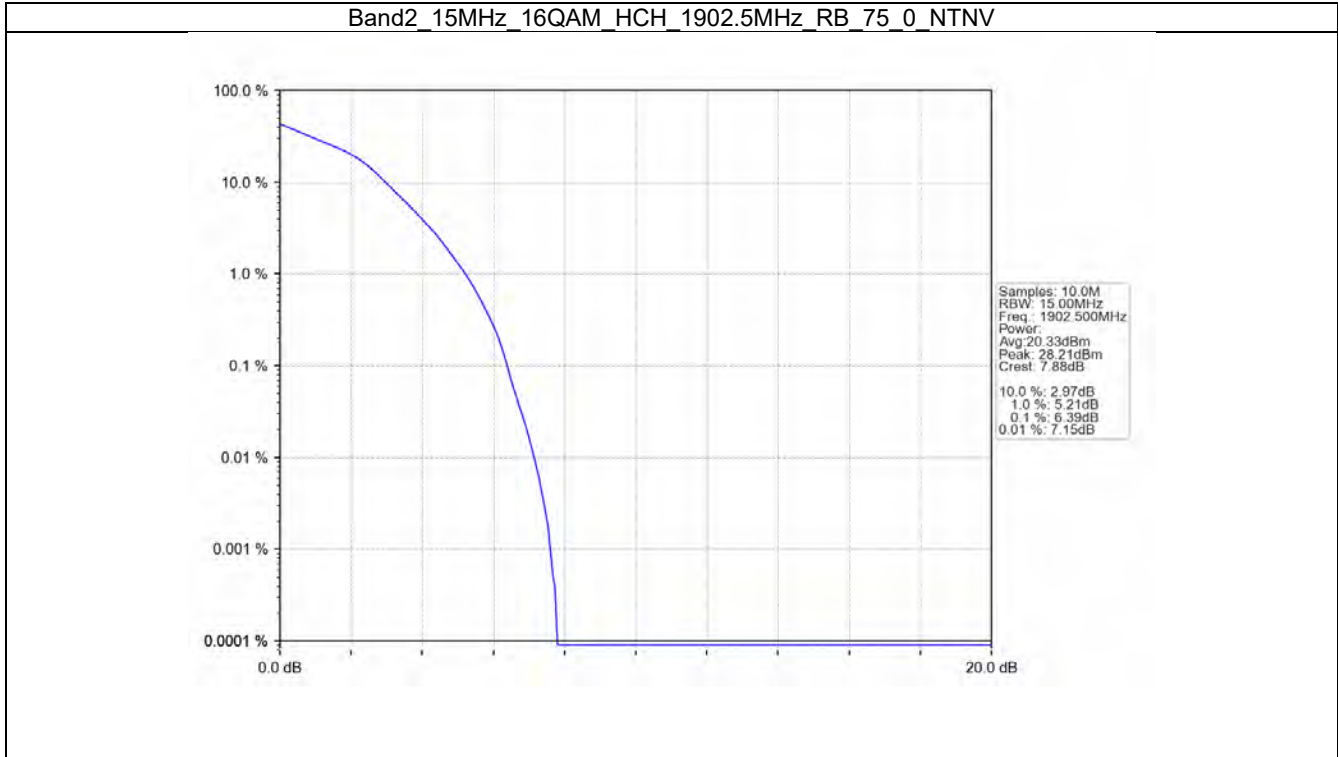
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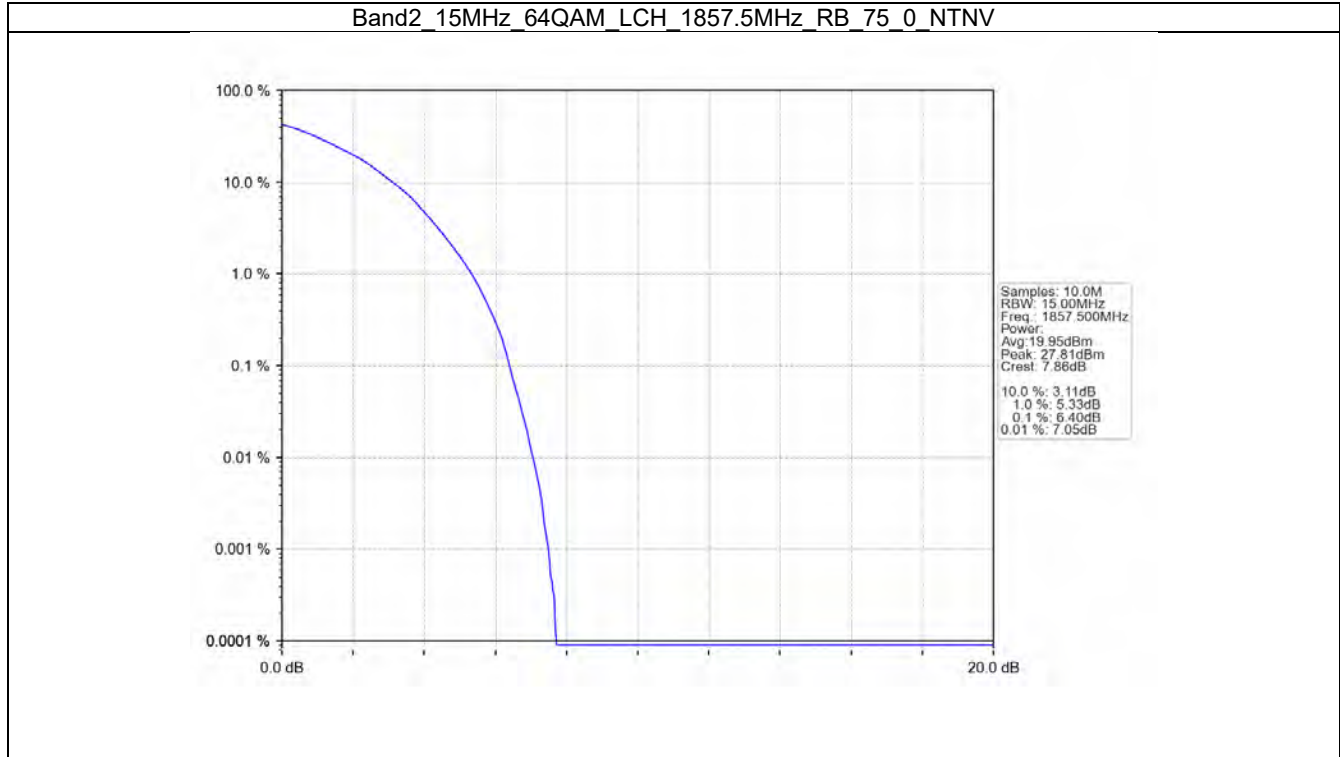
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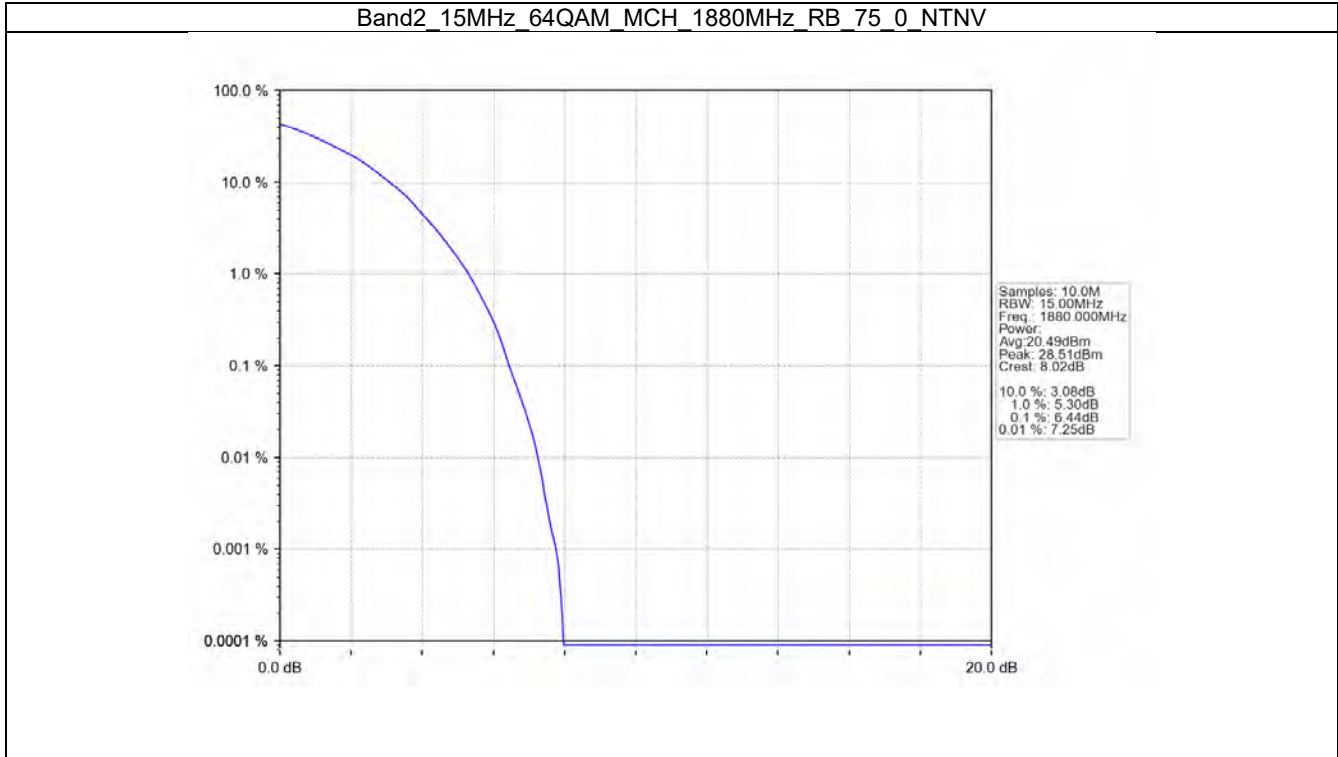
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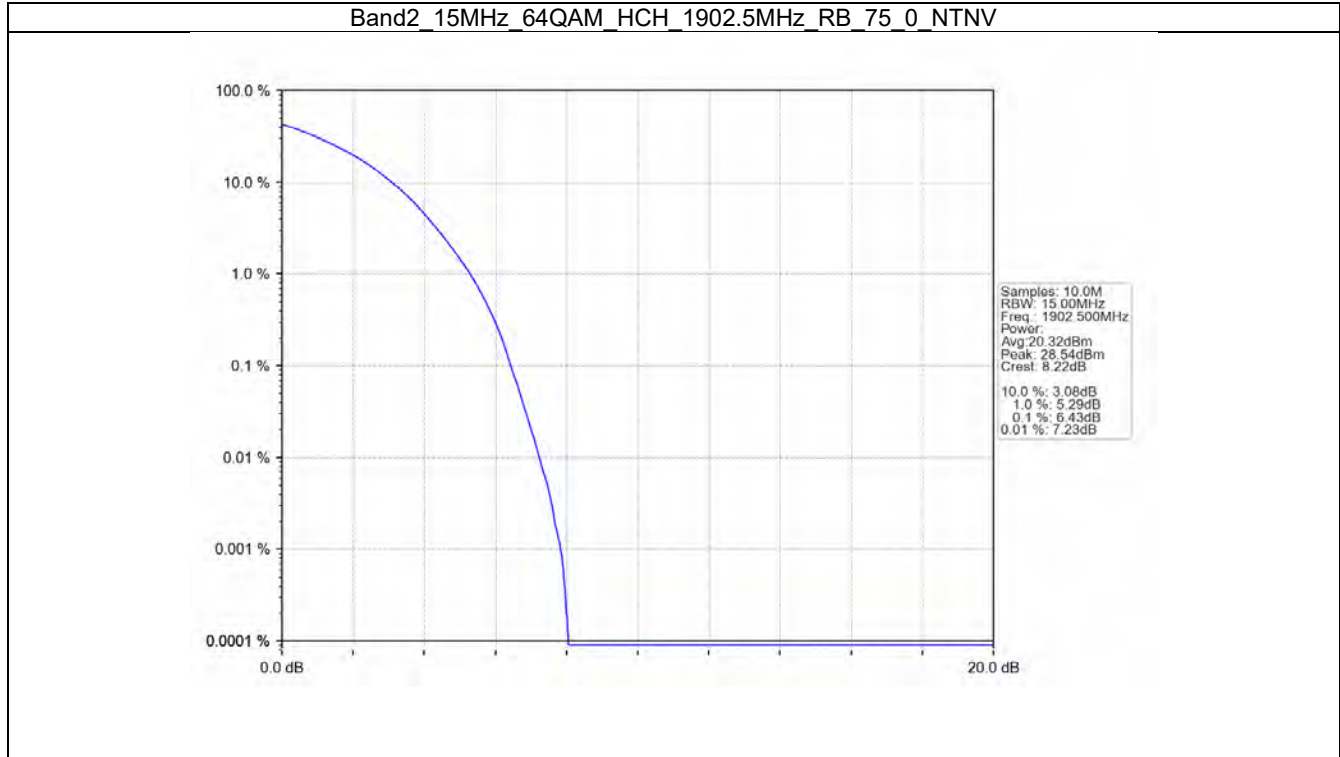
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## 4.6 B2\_20MHz

### 4.6.1 Test Result

Band: 2 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	1860	100	0	5.58	<=13	Pass
	1880	100	0	5.52	<=13	Pass
	1900	100	0	5.55	<=13	Pass
16QAM	1860	100	0	6.43	<=13	Pass
	1880	100	0	6.36	<=13	Pass
	1900	100	0	6.36	<=13	Pass
64QAM	1860	100	0	6.48	<=13	Pass
	1880	100	0	6.44	<=13	Pass
	1900	100	0	6.43	<=13	Pass



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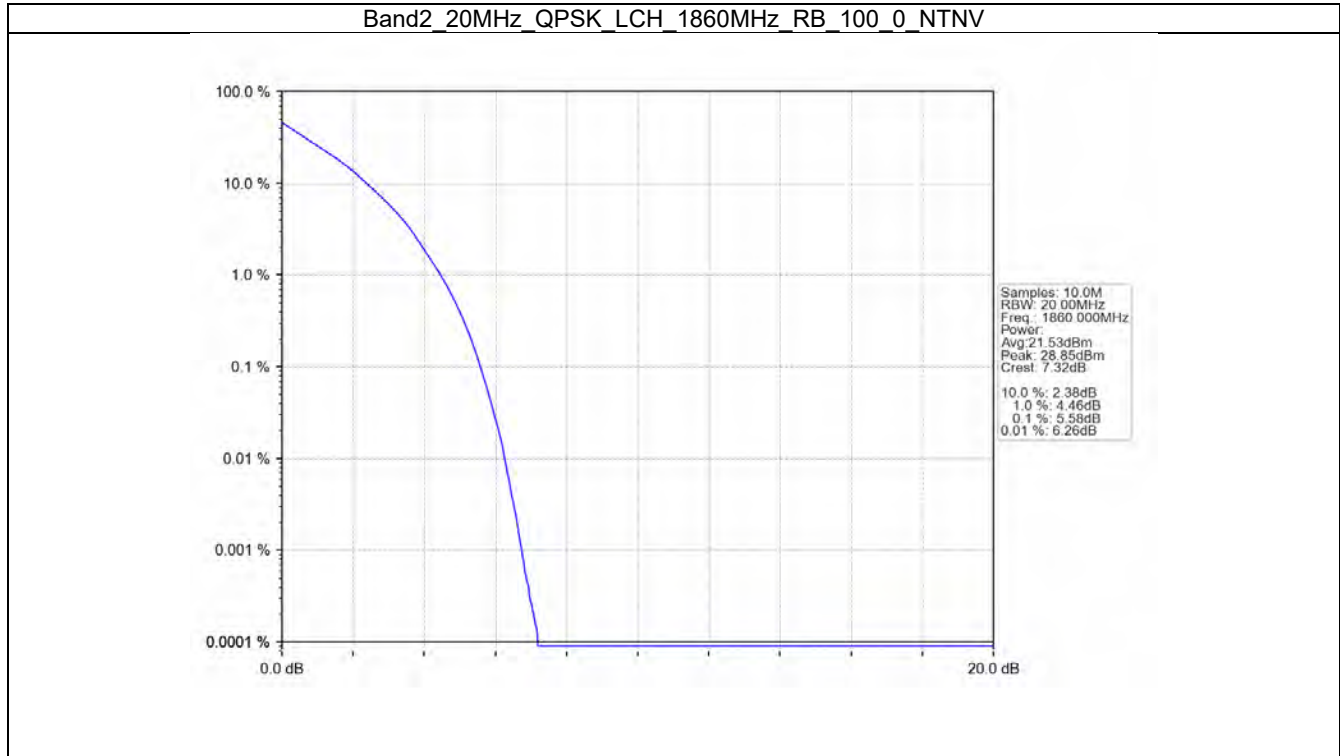
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## 4.6.2 Test Graph



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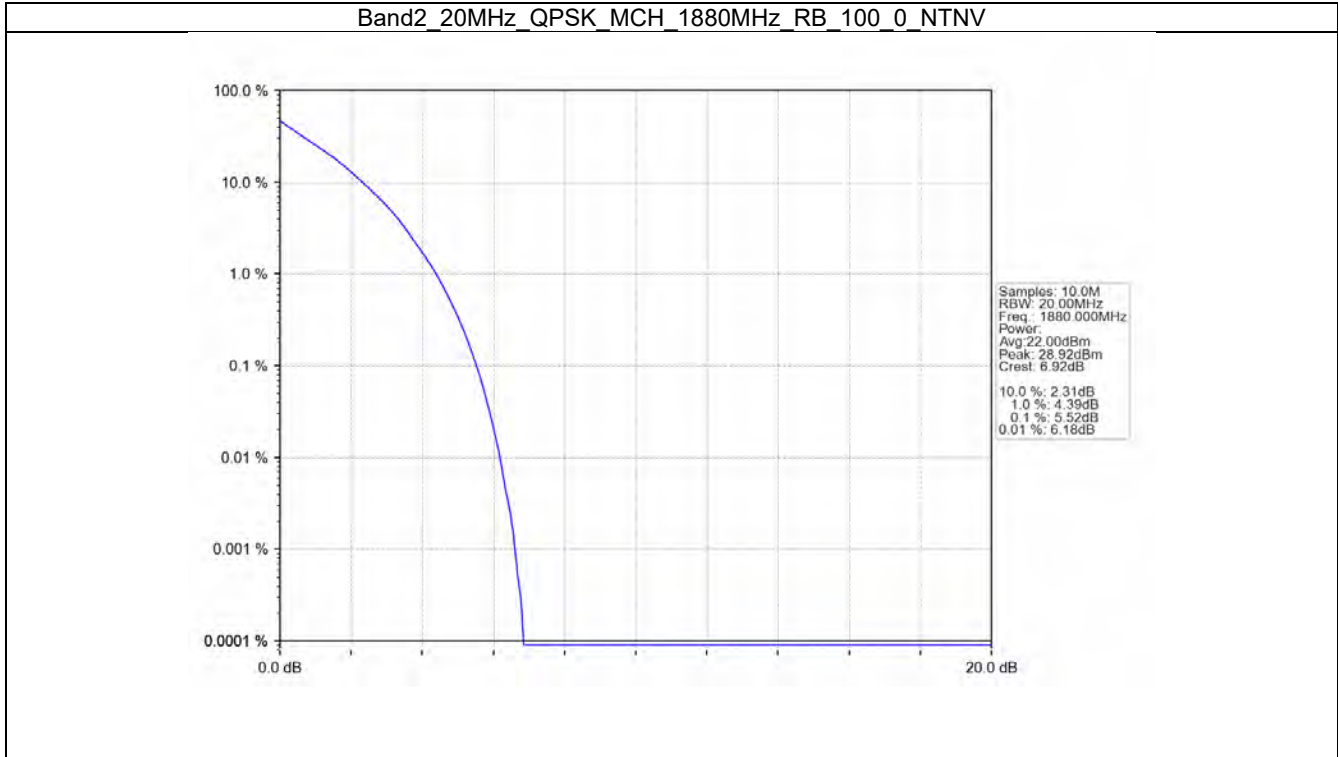
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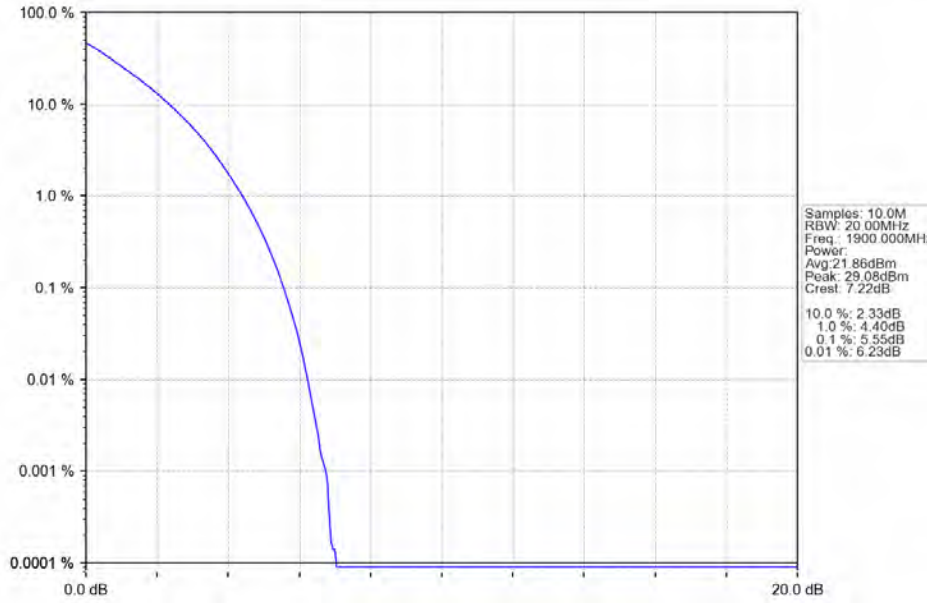
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Band2\_20MHz\_QPSK\_HCH\_1900MHz\_RB\_100\_0\_NTNV



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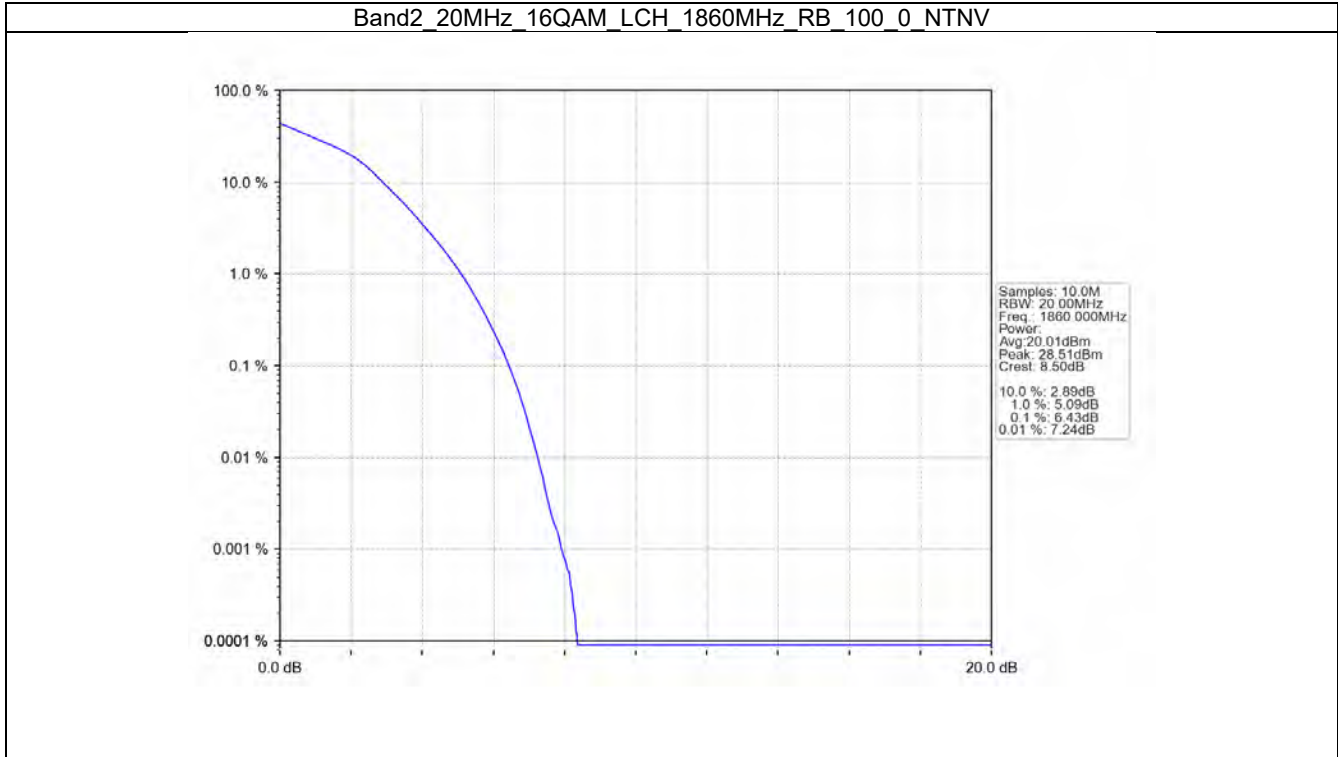
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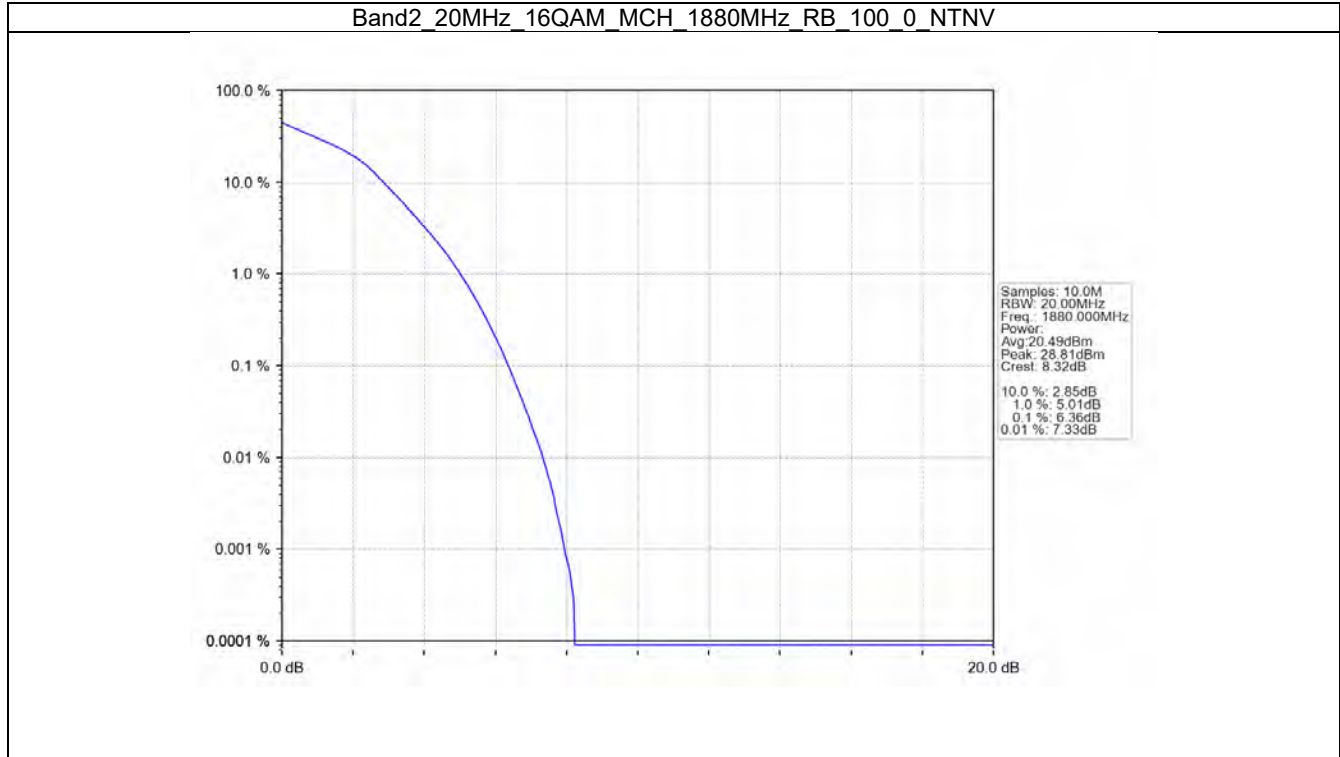
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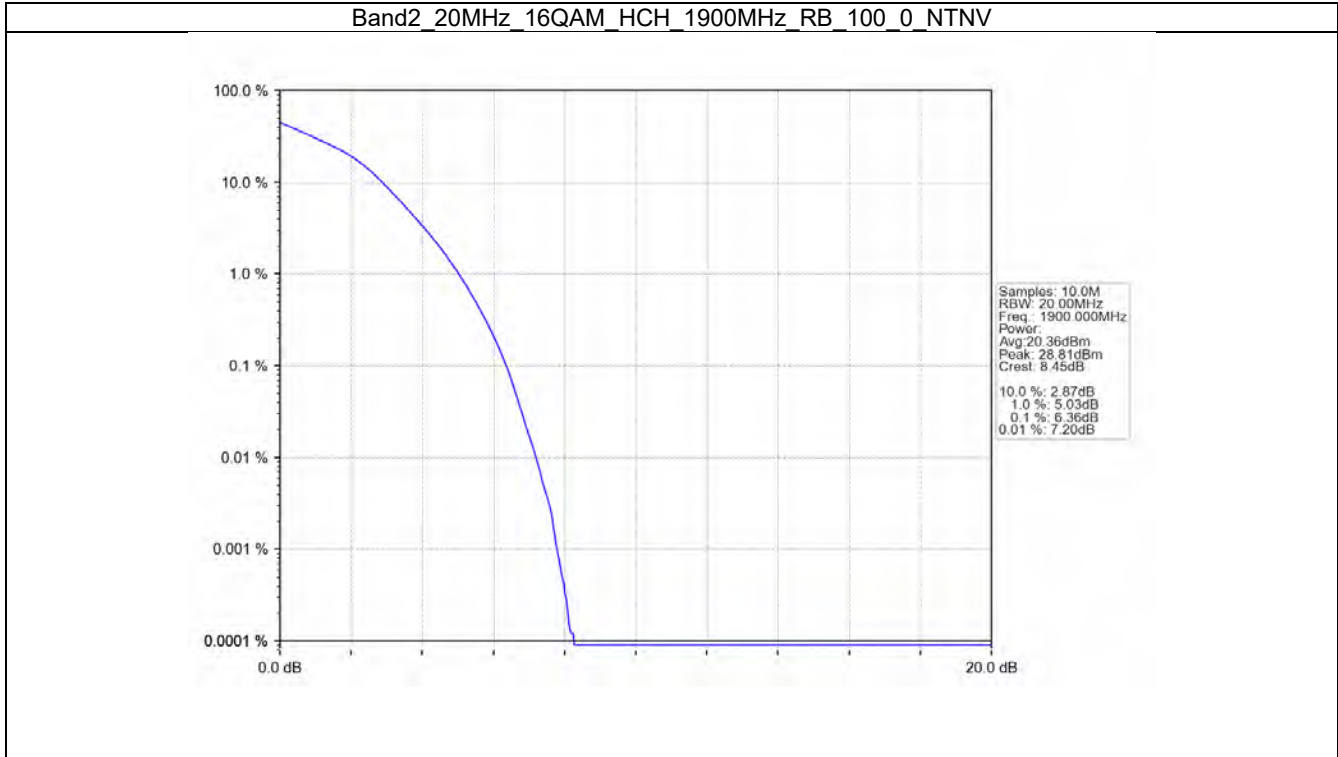
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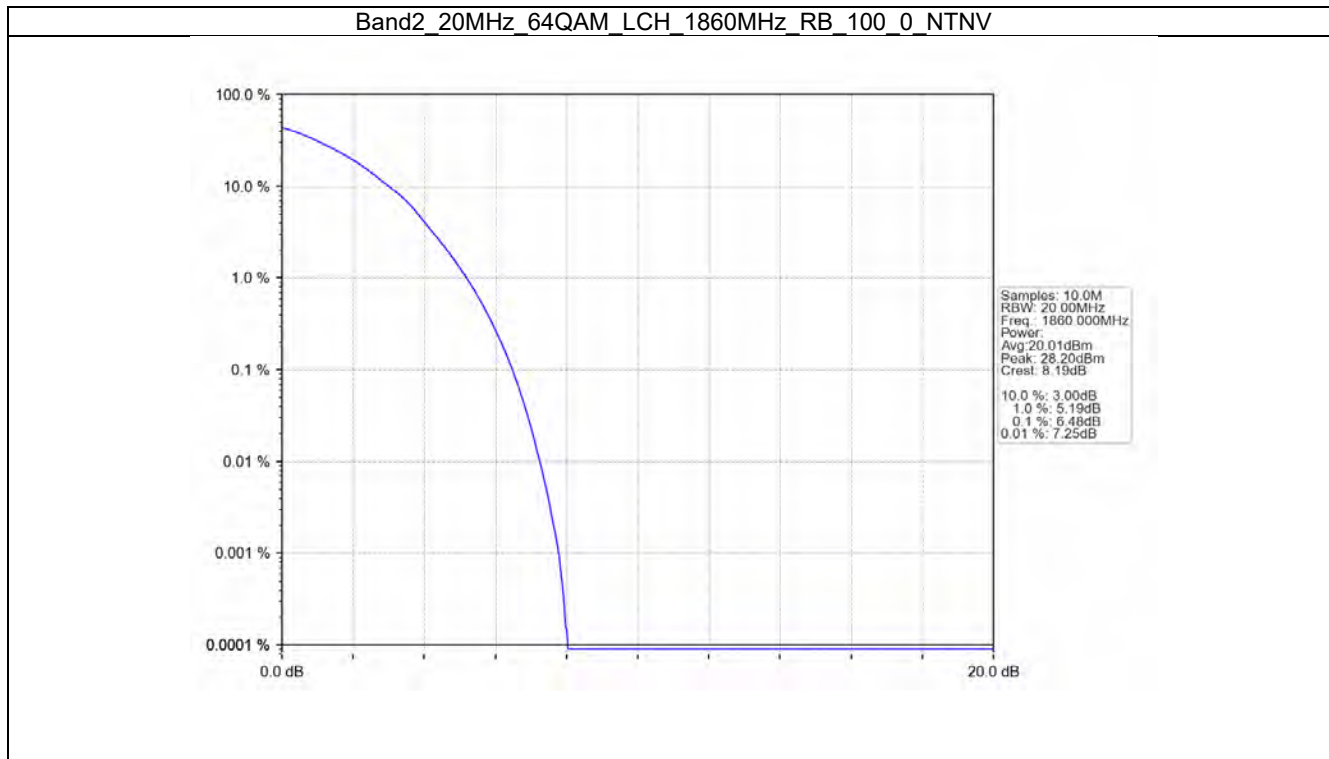


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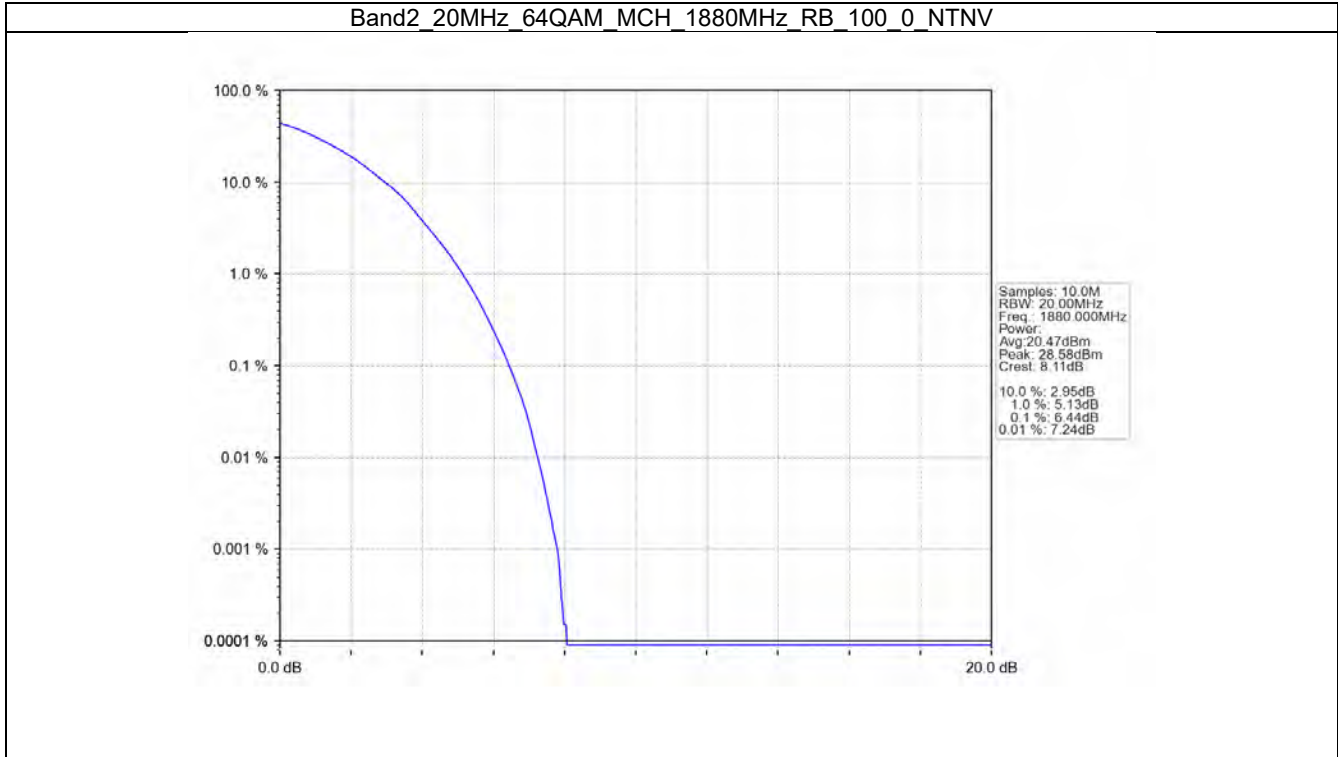
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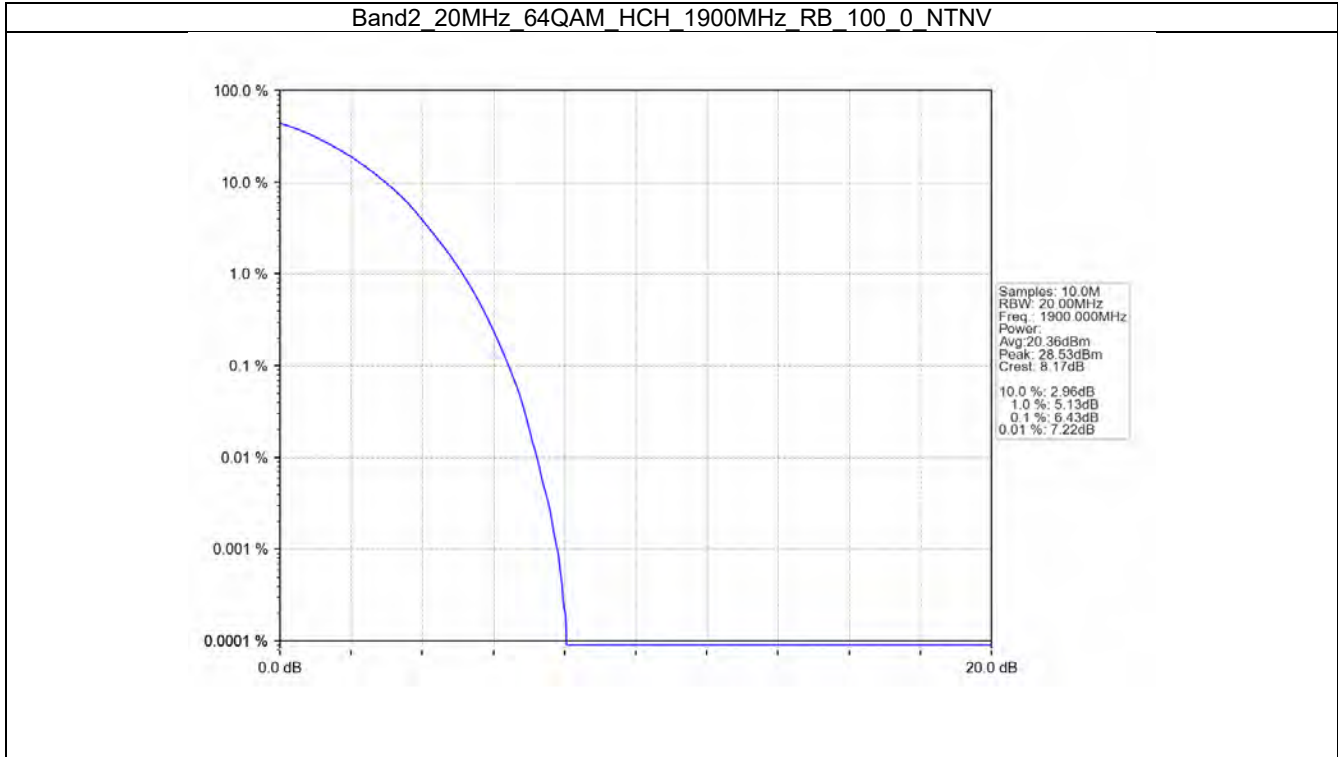
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