



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

Report No.: SZCR240200059401
Rev.: 01
Page: 1 of 298

Appendix B.11

LTE Band 41



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

Report No.: SZCR240200059401

Rev.: 01

Page: 2 of 298

1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result_Ant1

Band: 41 / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2498.5	1	0	23.56	-0.20	23.36	<=33.01	Pass		
			13	23.58	-0.20	23.38	<=33.01	Pass		
			24	23.41	-0.20	23.21	<=33.01	Pass		
		12	0	22.57	-0.20	22.37	<=33.01	Pass		
			6	22.70	-0.20	22.50	<=33.01	Pass		
			13	22.61	-0.20	22.41	<=33.01	Pass		
		25	0	22.59	-0.20	22.39	<=33.01	Pass		
		2593	1	0	23.36	-0.20	23.16	<=33.01	Pass	
				13	23.45	-0.20	23.25	<=33.01	Pass	
	24			23.45	-0.20	23.25	<=33.01	Pass		
	12		0	22.48	-0.20	22.28	<=33.01	Pass		
			6	22.60	-0.20	22.40	<=33.01	Pass		
			13	22.47	-0.20	22.27	<=33.01	Pass		
	25		0	22.50	-0.20	22.30	<=33.01	Pass		
	2687.5		1	0	23.65	-0.20	23.45	<=33.01	Pass	
				13	23.83	-0.20	23.63	<=33.01	Pass	
		24		23.66	-0.20	23.46	<=33.01	Pass		
		12	0	22.68	-0.20	22.48	<=33.01	Pass		
			6	22.72	-0.20	22.52	<=33.01	Pass		
			13	22.72	-0.20	22.52	<=33.01	Pass		
		25	0	22.74	-0.20	22.54	<=33.01	Pass		
		16QAM	2498.5	1	0	22.67	-0.20	22.47	<=33.01	Pass
					13	22.81	-0.20	22.61	<=33.01	Pass
	24				22.57	-0.20	22.37	<=33.01	Pass	
12	0			21.55	-0.20	21.35	<=33.01	Pass		
	6			21.67	-0.20	21.47	<=33.01	Pass		
	13			21.58	-0.20	21.38	<=33.01	Pass		
25	0			21.60	-0.20	21.40	<=33.01	Pass		
2593	1			0	22.38	-0.20	22.18	<=33.01	Pass	
				13	22.56	-0.20	22.36	<=33.01	Pass	
			24	22.39	-0.20	22.19	<=33.01	Pass		
	12		0	21.39	-0.20	21.19	<=33.01	Pass		
			6	21.52	-0.20	21.32	<=33.01	Pass		
			13	21.38	-0.20	21.18	<=33.01	Pass		
	25		0	21.36	-0.20	21.16	<=33.01	Pass		
	2687.5		1	0	22.60	-0.20	22.40	<=33.01	Pass	
				13	22.74	-0.20	22.54	<=33.01	Pass	
24				22.56	-0.20	22.36	<=33.01	Pass		
12			0	21.54	-0.20	21.34	<=33.01	Pass		



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 3 of 298

			6	21.68	-0.20	21.48	<=33.01	Pass
			13	21.63	-0.20	21.43	<=33.01	Pass
		25	0	21.72	-0.20	21.52	<=33.01	Pass
64QAM	2498.5	1	0	21.28	-0.20	21.08	<=33.01	Pass
			13	21.83	-0.20	21.63	<=33.01	Pass
			24	21.30	-0.20	21.10	<=33.01	Pass
		12	0	20.54	-0.20	20.34	<=33.01	Pass
			6	20.62	-0.20	20.42	<=33.01	Pass
			13	20.49	-0.20	20.29	<=33.01	Pass
	25	0	20.47	-0.20	20.27	<=33.01	Pass	
	2593	1	0	21.14	-0.20	20.94	<=33.01	Pass
			13	21.39	-0.20	21.19	<=33.01	Pass
			24	21.24	-0.20	21.04	<=33.01	Pass
		12	0	20.30	-0.20	20.10	<=33.01	Pass
			6	20.35	-0.20	20.15	<=33.01	Pass
			13	20.31	-0.20	20.11	<=33.01	Pass
	25	0	20.33	-0.20	20.13	<=33.01	Pass	
	2687.5	1	0	21.70	-0.20	21.50	<=33.01	Pass
			13	21.69	-0.20	21.49	<=33.01	Pass
			24	21.71	-0.20	21.51	<=33.01	Pass
		12	0	20.46	-0.20	20.26	<=33.01	Pass
6			20.74	-0.20	20.54	<=33.01	Pass	
13			20.47	-0.20	20.27	<=33.01	Pass	
25	0	20.57	-0.20	20.37	<=33.01	Pass		
Note 1: EIRP=Conducted Power+Antenna Gain								



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Report No.: SZCR240200059401
Rev.: 01
Page: 4 of 298

1.2 B41_10MHz_EIRP

1.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	2501	1	0	23.57	-0.20	23.37	<=33.01	Pass	
			25	23.84	-0.20	23.64	<=33.01	Pass	
			49	23.55	-0.20	23.35	<=33.01	Pass	
		25	0	22.63	-0.20	22.43	<=33.01	Pass	
			13	22.64	-0.20	22.44	<=33.01	Pass	
			25	22.64	-0.20	22.44	<=33.01	Pass	
		50	0	22.63	-0.20	22.43	<=33.01	Pass	
			1	0	23.61	-0.20	23.41	<=33.01	Pass
				25	23.83	-0.20	23.63	<=33.01	Pass
	49	23.55		-0.20	23.35	<=33.01	Pass		
	2593	25	0	22.57	-0.20	22.37	<=33.01	Pass	
			13	22.53	-0.20	22.33	<=33.01	Pass	
			25	22.55	-0.20	22.35	<=33.01	Pass	
		50	0	22.51	-0.20	22.31	<=33.01	Pass	
			1	0	23.75	-0.20	23.55	<=33.01	Pass
				25	23.98	-0.20	23.78	<=33.01	Pass
	49	23.65		-0.20	23.45	<=33.01	Pass		
	2685	25	0	22.80	-0.20	22.60	<=33.01	Pass	
			13	22.80	-0.20	22.60	<=33.01	Pass	
			25	22.79	-0.20	22.59	<=33.01	Pass	
		50	0	22.74	-0.20	22.54	<=33.01	Pass	
			1	0	22.65	-0.20	22.45	<=33.01	Pass
				25	22.89	-0.20	22.69	<=33.01	Pass
	49	22.66		-0.20	22.46	<=33.01	Pass		
16QAM	2501	25	0	21.69	-0.20	21.49	<=33.01	Pass	
			13	21.71	-0.20	21.51	<=33.01	Pass	
			25	21.75	-0.20	21.55	<=33.01	Pass	
		50	0	21.67	-0.20	21.47	<=33.01	Pass	
			1	0	22.38	-0.20	22.18	<=33.01	Pass
				25	22.56	-0.20	22.36	<=33.01	Pass
		49		22.32	-0.20	22.12	<=33.01	Pass	
		2593	25	0	21.57	-0.20	21.37	<=33.01	Pass
				13	21.57	-0.20	21.37	<=33.01	Pass
	25			21.56	-0.20	21.36	<=33.01	Pass	
	50		0	21.42	-0.20	21.22	<=33.01	Pass	
			1	0	22.55	-0.20	22.35	<=33.01	Pass
				25	22.73	-0.20	22.53	<=33.01	Pass
	49	22.81		-0.20	22.61	<=33.01	Pass		
	2685	25	0	21.66	-0.20	21.46	<=33.01	Pass	
			13	21.80	-0.20	21.60	<=33.01	Pass	
			25	21.70	-0.20	21.50	<=33.01	Pass	



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 5 of 298

64QAM	2501	50	0	21.67	-0.20	21.47	<=33.01	Pass	
			1	0	21.79	-0.20	21.59	<=33.01	Pass
				25	22.05	-0.20	21.85	<=33.01	Pass
		25	49	21.81	-0.20	21.61	<=33.01	Pass	
			0	20.45	-0.20	20.25	<=33.01	Pass	
				13	20.60	-0.20	20.40	<=33.01	Pass
		50	25	20.60	-0.20	20.40	<=33.01	Pass	
			0	20.48	-0.20	20.28	<=33.01	Pass	
			1	0	21.20	-0.20	21.00	<=33.01	Pass
	25	21.92		-0.20	21.72	<=33.01	Pass		
	49	21.70		-0.20	21.50	<=33.01	Pass		
	2593	25	0	20.42	-0.20	20.22	<=33.01	Pass	
			13	20.41	-0.20	20.21	<=33.01	Pass	
			25	20.37	-0.20	20.17	<=33.01	Pass	
		50	0	20.34	-0.20	20.14	<=33.01	Pass	
			1	0	21.29	-0.20	21.09	<=33.01	Pass
				25	21.55	-0.20	21.35	<=33.01	Pass
	49	21.69		-0.20	21.49	<=33.01	Pass		
	2685	25	0	20.57	-0.20	20.37	<=33.01	Pass	
			13	20.68	-0.20	20.48	<=33.01	Pass	
			25	20.68	-0.20	20.48	<=33.01	Pass	
		50	0	20.53	-0.20	20.33	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401
Rev.: 01
Page: 6 of 298

1.3 B41_15MHz_EIRP

1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTN										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2503.5	1	0	23.46	-0.20	23.26	<=33.01	Pass		
			38	23.58	-0.20	23.38	<=33.01	Pass		
			74	23.48	-0.20	23.28	<=33.01	Pass		
		36	0	22.63	-0.20	22.43	<=33.01	Pass		
			18	22.57	-0.20	22.37	<=33.01	Pass		
			39	22.63	-0.20	22.43	<=33.01	Pass		
		75	0	22.64	-0.20	22.44	<=33.01	Pass		
		2593	1	0	23.55	-0.20	23.35	<=33.01	Pass	
				38	23.62	-0.20	23.42	<=33.01	Pass	
	74			23.47	-0.20	23.27	<=33.01	Pass		
	36		0	22.58	-0.20	22.38	<=33.01	Pass		
			18	22.59	-0.20	22.39	<=33.01	Pass		
			39	22.53	-0.20	22.33	<=33.01	Pass		
	75		0	22.54	-0.20	22.34	<=33.01	Pass		
	2682.5		1	0	23.55	-0.20	23.35	<=33.01	Pass	
				38	23.66	-0.20	23.46	<=33.01	Pass	
		74		23.73	-0.20	23.53	<=33.01	Pass		
		36	0	22.78	-0.20	22.58	<=33.01	Pass		
			18	22.83	-0.20	22.63	<=33.01	Pass		
			39	22.78	-0.20	22.58	<=33.01	Pass		
		75	0	22.81	-0.20	22.61	<=33.01	Pass		
		16QAM	2503.5	1	0	22.33	-0.20	22.13	<=33.01	Pass
					38	22.73	-0.20	22.53	<=33.01	Pass
	74				22.64	-0.20	22.44	<=33.01	Pass	
36	0			21.52	-0.20	21.32	<=33.01	Pass		
	18			21.61	-0.20	21.41	<=33.01	Pass		
	39			21.56	-0.20	21.36	<=33.01	Pass		
75	0			21.62	-0.20	21.42	<=33.01	Pass		
2593	1			0	22.26	-0.20	22.06	<=33.01	Pass	
				38	22.33	-0.20	22.13	<=33.01	Pass	
			74	22.19	-0.20	21.99	<=33.01	Pass		
	36		0	21.49	-0.20	21.29	<=33.01	Pass		
			18	21.53	-0.20	21.33	<=33.01	Pass		
			39	21.43	-0.20	21.23	<=33.01	Pass		
	75		0	21.50	-0.20	21.30	<=33.01	Pass		
	2682.5		1	0	22.92	-0.20	22.72	<=33.01	Pass	
				38	22.77	-0.20	22.57	<=33.01	Pass	
74				22.67	-0.20	22.47	<=33.01	Pass		
36			0	21.77	-0.20	21.57	<=33.01	Pass		
			18	21.68	-0.20	21.48	<=33.01	Pass		
			39	21.69	-0.20	21.49	<=33.01	Pass		



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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 7 of 298

64QAM	2503.5	75	0	21.73	-0.20	21.53	<=33.01	Pass	
			1	0	21.72	-0.20	21.52	<=33.01	Pass
				38	21.82	-0.20	21.62	<=33.01	Pass
		36	74	21.78	-0.20	21.58	<=33.01	Pass	
			0	20.52	-0.20	20.32	<=33.01	Pass	
			18	20.58	-0.20	20.38	<=33.01	Pass	
			39	20.56	-0.20	20.36	<=33.01	Pass	
			75	0	20.61	-0.20	20.41	<=33.01	Pass
			2593	1	0	21.70	-0.20	21.50	<=33.01
	38	21.56			-0.20	21.36	<=33.01	Pass	
	74	21.69			-0.20	21.49	<=33.01	Pass	
	36	0		20.40	-0.20	20.20	<=33.01	Pass	
		18		20.44	-0.20	20.24	<=33.01	Pass	
		39		20.45	-0.20	20.25	<=33.01	Pass	
	75	0		20.42	-0.20	20.22	<=33.01	Pass	
	2682.5	1		0	21.73	-0.20	21.53	<=33.01	Pass
				38	21.55	-0.20	21.35	<=33.01	Pass
			74	21.70	-0.20	21.50	<=33.01	Pass	
		36	0	20.58	-0.20	20.38	<=33.01	Pass	
			18	20.59	-0.20	20.39	<=33.01	Pass	
			39	20.65	-0.20	20.45	<=33.01	Pass	
		75	0	20.69	-0.20	20.49	<=33.01	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401

Rev.: 01

Page: 8 of 298

1.4 B41_20MHz_EIRP

1.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	2506	1	0	23.47	-0.20	23.27	<=33.01	Pass		
			50	23.72	-0.20	23.52	<=33.01	Pass		
			99	23.48	-0.20	23.28	<=33.01	Pass		
		50	0	22.54	-0.20	22.34	<=33.01	Pass		
			25	22.65	-0.20	22.45	<=33.01	Pass		
			50	22.64	-0.20	22.44	<=33.01	Pass		
		100	0	22.58	-0.20	22.38	<=33.01	Pass		
		2593	1	0	23.53	-0.20	23.33	<=33.01	Pass	
				50	23.70	-0.20	23.50	<=33.01	Pass	
	99			23.40	-0.20	23.20	<=33.01	Pass		
	50		0	22.45	-0.20	22.25	<=33.01	Pass		
			25	22.50	-0.20	22.30	<=33.01	Pass		
			50	22.42	-0.20	22.22	<=33.01	Pass		
	100		0	22.44	-0.20	22.24	<=33.01	Pass		
	2680		1	0	23.53	-0.20	23.33	<=33.01	Pass	
				50	23.93	-0.20	23.73	<=33.01	Pass	
		99		23.54	-0.20	23.34	<=33.01	Pass		
		50	0	22.66	-0.20	22.46	<=33.01	Pass		
			25	22.68	-0.20	22.48	<=33.01	Pass		
			50	22.66	-0.20	22.46	<=33.01	Pass		
		100	0	22.66	-0.20	22.46	<=33.01	Pass		
		16QAM	2506	1	0	22.78	-0.20	22.58	<=33.01	Pass
					50	23.13	-0.20	22.93	<=33.01	Pass
	99				22.49	-0.20	22.29	<=33.01	Pass	
50	0			21.54	-0.20	21.34	<=33.01	Pass		
	25			21.63	-0.20	21.43	<=33.01	Pass		
	50			21.64	-0.20	21.44	<=33.01	Pass		
100	0			21.61	-0.20	21.41	<=33.01	Pass		
2593	1			0	22.18	-0.20	21.98	<=33.01	Pass	
				50	22.84	-0.20	22.64	<=33.01	Pass	
			99	22.15	-0.20	21.95	<=33.01	Pass		
	50		0	21.45	-0.20	21.25	<=33.01	Pass		
			25	21.50	-0.20	21.30	<=33.01	Pass		
			50	21.42	-0.20	21.22	<=33.01	Pass		
	100		0	21.40	-0.20	21.20	<=33.01	Pass		
	2680		1	0	22.14	-0.20	21.94	<=33.01	Pass	
				50	22.91	-0.20	22.71	<=33.01	Pass	
99				22.57	-0.20	22.37	<=33.01	Pass		
50			0	21.64	-0.20	21.44	<=33.01	Pass		
			25	21.69	-0.20	21.49	<=33.01	Pass		
			50	21.63	-0.20	21.43	<=33.01	Pass		



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 9 of 298

64QAM	2506	100	0	21.64	-0.20	21.44	<=33.01	Pass		
			1	0	21.20	-0.20	21.00	<=33.01	Pass	
				50	21.55	-0.20	21.35	<=33.01	Pass	
		50	99	21.21	-0.20	21.01	<=33.01	Pass		
			50	0	20.40	-0.20	20.20	<=33.01	Pass	
				25	20.45	-0.20	20.25	<=33.01	Pass	
		100	50	50	20.53	-0.20	20.33	<=33.01	Pass	
				100	0	20.44	-0.20	20.24	<=33.01	Pass
			2593	1	0	21.49	-0.20	21.29	<=33.01	Pass
	50	21.58			-0.20	21.38	<=33.01	Pass		
	99	21.18			-0.20	20.98	<=33.01	Pass		
	50	50		0	20.31	-0.20	20.11	<=33.01	Pass	
				25	20.34	-0.20	20.14	<=33.01	Pass	
		100		50	20.25	-0.20	20.05	<=33.01	Pass	
	2680	1		100	0	20.32	-0.20	20.12	<=33.01	Pass
				50	0	21.51	-0.20	21.31	<=33.01	Pass
					50	21.62	-0.20	21.42	<=33.01	Pass
		50	99	21.54	-0.20	21.34	<=33.01	Pass		
			50	0	20.58	-0.20	20.38	<=33.01	Pass	
				25	20.57	-0.20	20.37	<=33.01	Pass	
		100	50	50	20.57	-0.20	20.37	<=33.01	Pass	
				100	0	20.52	-0.20	20.32	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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Report No.: SZCR240200059401

Rev.: 01

Page: 10 of 298

2. Frequency Stability

2.1 B41_5MHz

2.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.6	5.443	0.0022	/	Pass
					3.84	20.319	0.0081	/	Pass
					4.3	1.170	0.0005	/	Pass
				-30	3.84	-22.809	-0.0091	/	Pass
				-20	3.84	-36.737	-0.0147	/	Pass
				-10	3.84	-56.804	-0.0227	/	Pass
				0	3.84	-55.658	-0.0223	/	Pass
				10	3.84	-59.925	-0.0240	/	Pass
				30	3.84	-90.506	-0.0362	/	Pass
				40	3.84	-97.417	-0.0390	/	Pass
	50	3.84	-71.685	-0.0287	/	Pass			
	2593	25	0	20	3.6	25.086	0.0097	/	Pass
					3.84	7.263	0.0028	/	Pass
					4.3	6.964	0.0027	/	Pass
				-30	3.84	-15.823	-0.0061	/	Pass
				-20	3.84	4.801	0.0019	/	Pass
				-10	3.84	-14.732	-0.0057	/	Pass
				0	3.84	8.189	0.0032	/	Pass
				10	3.84	3.110	0.0012	/	Pass
				30	3.84	7.828	0.0030	/	Pass
				40	3.84	10.123	0.0039	/	Pass
	50	3.84	-30.655	-0.0118	/	Pass			
	2687.5	25	0	20	3.6	47.953	0.0178	/	Pass
					3.84	17.787	0.0066	/	Pass
					4.3	14.764	0.0055	/	Pass
				-30	3.84	-5.381	-0.0020	/	Pass
				-20	3.84	-10.936	-0.0041	/	Pass
				-10	3.84	-40.977	-0.0152	/	Pass
				0	3.84	-49.134	-0.0183	/	Pass
				10	3.84	-41.509	-0.0154	/	Pass
30				3.84	-48.664	-0.0181	/	Pass	
40				3.84	-64.046	-0.0238	/	Pass	
50	3.84	-85.785	-0.0319	/	Pass				
16QAM	2498.5	25	0	20	3.6	-96.886	-0.0388	/	Pass
					3.84	-76.212	-0.0305	/	Pass
					4.3	-68.313	-0.0273	/	Pass
				-30	3.84	-98.316	-0.0394	/	Pass
				-20	3.84	-66.252	-0.0265	/	Pass
				-10	3.84	-65.533	-0.0262	/	Pass



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Shenzhen Branch

Report No.: SZCR240200059401

Rev.: 01

Page: 11 of 298

64QAM				0	3.84	-87.543	-0.0350	/	Pass
				10	3.84	-96.820	-0.0388	/	Pass
				30	3.84	-57.198	-0.0229	/	Pass
				40	3.84	-56.706	-0.0227	/	Pass
				50	3.84	-96.660	-0.0387	/	Pass
	2593	25	0	20	3.6	-21.158	-0.0082	/	Pass
					3.84	-21.344	-0.0082	/	Pass
					4.3	15.528	0.0060	/	Pass
				-30	3.84	-20.510	-0.0079	/	Pass
				-20	3.84	-19.833	-0.0076	/	Pass
				-10	3.84	12.895	0.0050	/	Pass
				0	3.84	-2.405	-0.0009	/	Pass
				10	3.84	-15.856	-0.0061	/	Pass
				30	3.84	-23.913	-0.0092	/	Pass
				40	3.84	-18.607	-0.0072	/	Pass
	50	3.84	1.894	0.0007	/	Pass			
	2687.5	25	0	20	3.6	-92.034	-0.0342	/	Pass
					3.84	-88.206	-0.0328	/	Pass
					4.3	-99.329	-0.0370	/	Pass
				-30	3.84	-108.022	-0.0402	/	Pass
				-20	3.84	-103.483	-0.0385	/	Pass
				-10	3.84	-135.308	-0.0503	/	Pass
				0	3.84	-129.595	-0.0482	/	Pass
				10	3.84	-123.407	-0.0459	/	Pass
				30	3.84	-133.719	-0.0498	/	Pass
				40	3.84	-115.771	-0.0431	/	Pass
	50	3.84	-134.823	-0.0502	/	Pass			
	2498.5	25	0	20	3.6	-82.924	-0.0332	/	Pass
					3.84	-97.232	-0.0389	/	Pass
					4.3	-76.974	-0.0308	/	Pass
				-30	3.84	-47.339	-0.0189	/	Pass
				-20	3.84	-71.141	-0.0285	/	Pass
				-10	3.84	-41.988	-0.0168	/	Pass
				0	3.84	-35.635	-0.0143	/	Pass
				10	3.84	-51.985	-0.0208	/	Pass
				30	3.84	-15.826	-0.0063	/	Pass
40				3.84	-14.564	-0.0058	/	Pass	
50	3.84	8.834	0.0035	/	Pass				
2593	25	0	20	3.6	-13.149	-0.0051	/	Pass	
				3.84	14.655	0.0057	/	Pass	
				4.3	-11.344	-0.0044	/	Pass	
			-30	3.84	-6.202	-0.0024	/	Pass	
			-20	3.84	5.070	0.0020	/	Pass	
			-10	3.84	-12.530	-0.0048	/	Pass	
			0	3.84	-7.998	-0.0031	/	Pass	
			10	3.84	-11.401	-0.0044	/	Pass	
			30	3.84	-6.677	-0.0026	/	Pass	
			40	3.84	14.340	0.0055	/	Pass	
50	3.84	9.908	0.0038	/	Pass				



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Report No.: SZCR240200059401

Rev.: 01

Page: 12 of 298

2687.5	25	0	20	3.6	-136.884	-0.0509	/	Pass
				3.84	-129.470	-0.0482	/	Pass
				4.3	-134.769	-0.0501	/	Pass
			-30	3.84	-129.474	-0.0482	/	Pass
			-20	3.84	-136.342	-0.0507	/	Pass
			-10	3.84	-108.257	-0.0403	/	Pass
			0	3.84	-15.924	-0.0059	/	Pass
			10	3.84	-20.463	-0.0076	/	Pass
			30	3.84	-4.896	-0.0018	/	Pass
			40	3.84	-24.990	-0.0093	/	Pass
			50	3.84	-28.884	-0.0107	/	Pass



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 13 of 298

2.2 B41_10MHz

2.2.1 Test Result

Band: 41 / Bandwidth: 10MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2501	50	0	20	3.6	-11.503	-0.0046	/	Pass
					3.84	-18.616	-0.0074	/	Pass
					4.3	0.654	0.0003	/	Pass
				-30	3.84	3.490	0.0014	/	Pass
				-20	3.84	-11.808	-0.0047	/	Pass
				-10	3.84	-7.679	-0.0031	/	Pass
				0	3.84	-13.519	-0.0054	/	Pass
				10	3.84	-22.149	-0.0089	/	Pass
				30	3.84	5.132	0.0021	/	Pass
	40	3.84	-0.242	-0.0001	/	Pass			
	50	3.84	-14.454	-0.0058	/	Pass			
	2593	50	0	20	3.6	-4.685	-0.0018	/	Pass
					3.84	-15.746	-0.0061	/	Pass
					4.3	-11.281	-0.0044	/	Pass
				-30	3.84	6.185	0.0024	/	Pass
				-20	3.84	-23.359	-0.0090	/	Pass
				-10	3.84	5.595	0.0022	/	Pass
				0	3.84	-32.472	-0.0125	/	Pass
				10	3.84	-9.118	-0.0035	/	Pass
				30	3.84	-23.894	-0.0092	/	Pass
	40	3.84	7.984	0.0031	/	Pass			
	50	3.84	-1.697	-0.0007	/	Pass			
	2685	50	0	20	3.6	-4.854	-0.0018	/	Pass
					3.84	-21.396	-0.0080	/	Pass
					4.3	-10.821	-0.0040	/	Pass
				-30	3.84	-11.871	-0.0044	/	Pass
				-20	3.84	-16.574	-0.0062	/	Pass
-10				3.84	-12.681	-0.0047	/	Pass	
0				3.84	-15.864	-0.0059	/	Pass	
10				3.84	-11.287	-0.0042	/	Pass	
30				3.84	-9.374	-0.0035	/	Pass	
40	3.84	-6.662	-0.0025	/	Pass				
50	3.84	-10.285	-0.0038	/	Pass				
16QAM	2501	50	0	20	3.6	-23.187	-0.0093	/	Pass
					3.84	-11.246	-0.0045	/	Pass
					4.3	13.323	0.0053	/	Pass
				-30	3.84	-4.811	-0.0019	/	Pass
				-20	3.84	2.428	0.0010	/	Pass
				-10	3.84	-29.436	-0.0118	/	Pass
				0	3.84	18.156	0.0073	/	Pass
10	3.84	-7.084	-0.0028	/	Pass				



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Report No.: SZCR240200059401

Rev.: 01

Page: 14 of 298

64QAM	2593	50	0	30	3.84	-3.602	-0.0014	/	Pass		
				40	3.84	9.210	0.0037	/	Pass		
				50	3.84	-23.388	-0.0094	/	Pass		
				20	3.6	-3.007	-0.0012	/	Pass		
					3.84	5.231	0.0020	/	Pass		
					4.3	-15.901	-0.0061	/	Pass		
				-30	3.84	-13.408	-0.0052	/	Pass		
				-20	3.84	14.338	0.0055	/	Pass		
				-10	3.84	-10.282	-0.0040	/	Pass		
				0	3.84	5.846	0.0023	/	Pass		
	10	3.84	-7.632	-0.0029	/	Pass					
	30	3.84	-26.013	-0.0100	/	Pass					
	40	3.84	-17.746	-0.0068	/	Pass					
	50	3.84	-23.575	-0.0091	/	Pass					
	2685	50	0	20	3.6	-4.723	-0.0018	/	Pass		
					3.84	14.102	0.0053	/	Pass		
					4.3	-20.586	-0.0077	/	Pass		
				-30	3.84	-25.224	-0.0094	/	Pass		
				-20	3.84	-4.240	-0.0016	/	Pass		
				-10	3.84	-14.114	-0.0053	/	Pass		
0				3.84	-28.944	-0.0108	/	Pass			
10				3.84	11.649	0.0043	/	Pass			
30				3.84	17.107	0.0064	/	Pass			
40				3.84	-9.334	-0.0035	/	Pass			
50	3.84	-28.740	-0.0107	/	Pass						
2501	50	0	20	3.6	-32.805	-0.0131	/	Pass			
				3.84	-6.574	-0.0026	/	Pass			
				4.3	11.500	0.0046	/	Pass			
			-30	3.84	-11.181	-0.0045	/	Pass			
			-20	3.84	-18.482	-0.0074	/	Pass			
			-10	3.84	6.936	0.0028	/	Pass			
			0	3.84	-11.296	-0.0045	/	Pass			
			10	3.84	-18.390	-0.0074	/	Pass			
			30	3.84	8.106	0.0032	/	Pass			
			40	3.84	-9.823	-0.0039	/	Pass			
			50	3.84	-6.702	-0.0027	/	Pass			
			2593	50	0	20	3.6	-23.575	-0.0091	/	Pass
							3.84	9.449	0.0036	/	Pass
4.3	-7.635	-0.0029					/	Pass			
-30	3.84	-23.513				-0.0091	/	Pass			
-20	3.84	-14.459				-0.0056	/	Pass			
-10	3.84	13.152				0.0051	/	Pass			
0	3.84	-7.855				-0.0030	/	Pass			
10	3.84	-17.535				-0.0068	/	Pass			
30	3.84	12.440				0.0048	/	Pass			
40	3.84	-2.379				-0.0009	/	Pass			
50	3.84	10.835	0.0042	/	Pass						
2685	50	0	20	3.6	14.655	0.0055	/	Pass			
				3.84	-25.456	-0.0095	/	Pass			



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Report No.: SZCR240200059401
 Rev.: 01
 Page: 15 of 298

				4.3	-5.089	-0.0019	/	Pass
				-30	3.84	-17.326	-0.0065	Pass
				-20	3.84	5.181	0.0019	Pass
				-10	3.84	5.685	0.0021	Pass
				0	3.84	-13.128	-0.0049	Pass
				10	3.84	-6.641	-0.0025	Pass
				30	3.84	14.126	0.0053	Pass
				40	3.84	-25.027	-0.0093	Pass
				50	3.84	5.087	0.0019	Pass



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Report No.: SZCR240200059401

Rev.: 01

Page: 16 of 298

2.3 B41_15MHz

2.3.1 Test Result

Band: 41 / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2503.5	75	0	20	3.6	4.219	0.0017	/	Pass	
					3.84	-12.314	-0.0049	/	Pass	
					4.3	-12.246	-0.0049	/	Pass	
				-30	3.84	-13.657	-0.0055	/	Pass	
					-20	3.84	-9.329	-0.0037	/	Pass
						3.84	-4.204	-0.0017	/	Pass
				0	3.84	-18.479	-0.0074	/	Pass	
					10	3.84	10.191	0.0041	/	Pass
				30	3.84	-9.433	-0.0038	/	Pass	
	40	3.84	4.839	0.0019	/	Pass				
	50	3.84	-33.374	-0.0133	/	Pass				
	2593	75	0	20	3.6	-1.982	-0.0008	/	Pass	
					3.84	-6.871	-0.0026	/	Pass	
					4.3	-15.652	-0.0060	/	Pass	
				-30	3.84	12.350	0.0048	/	Pass	
					-20	3.84	-2.238	-0.0009	/	Pass
						3.84	8.886	0.0034	/	Pass
				0	3.84	-14.393	-0.0056	/	Pass	
					10	3.84	-2.375	-0.0009	/	Pass
				30	3.84	-26.400	-0.0102	/	Pass	
	40	3.84	-23.778	-0.0092	/	Pass				
	50	3.84	-4.270	-0.0016	/	Pass				
	2682.5	75	0	20	3.6	14.744	0.0055	/	Pass	
					3.84	9.450	0.0035	/	Pass	
					4.3	-2.084	-0.0008	/	Pass	
				-30	3.84	2.868	0.0011	/	Pass	
					-20	3.84	-21.961	-0.0082	/	Pass
3.84						-6.093	-0.0023	/	Pass	
0				3.84	-3.396	-0.0013	/	Pass		
				10	3.84	-12.519	-0.0047	/	Pass	
30				3.84	-16.338	-0.0061	/	Pass		
40	3.84	-2.712	-0.0010	/	Pass					
50	3.84	-14.830	-0.0055	/	Pass					
16QAM	2503.5	75	0	20	3.6	7.747	0.0031	/	Pass	
					3.84	-4.368	-0.0017	/	Pass	
					4.3	-24.743	-0.0099	/	Pass	
				-30	3.84	1.797	0.0007	/	Pass	
					-20	3.84	-32.719	-0.0131	/	Pass
				-10	3.84	-24.060	-0.0096	/	Pass	
					0	3.84	-26.530	-0.0106	/	Pass
10	3.84	-21.785	-0.0087	/	Pass					



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Report No.: SZCR240200059401

Rev.: 01

Page: 17 of 298

64QAM	2593	75	0	30	3.84	-14.269	-0.0057	/	Pass		
				40	3.84	-10.129	-0.0040	/	Pass		
				50	3.84	-15.334	-0.0061	/	Pass		
				20	3.6	-3.325	-0.0013	/	Pass		
					3.84	-22.542	-0.0087	/	Pass		
					4.3	-13.186	-0.0051	/	Pass		
				-30	3.84	-8.861	-0.0034	/	Pass		
				-20	3.84	-18.938	-0.0073	/	Pass		
				-10	3.84	-15.615	-0.0060	/	Pass		
				0	3.84	-2.639	-0.0010	/	Pass		
	10	3.84	-19.133	-0.0074	/	Pass					
	30	3.84	5.403	0.0021	/	Pass					
	40	3.84	-23.296	-0.0090	/	Pass					
	50	3.84	5.619	0.0022	/	Pass					
	2682.5	75	0	20	3.6	-4.715	-0.0018	/	Pass		
					3.84	7.590	0.0028	/	Pass		
					4.3	-4.726	-0.0018	/	Pass		
				-30	3.84	-9.070	-0.0034	/	Pass		
				-20	3.84	-21.296	-0.0079	/	Pass		
				-10	3.84	2.662	0.0010	/	Pass		
0				3.84	-12.036	-0.0045	/	Pass			
10				3.84	-15.525	-0.0058	/	Pass			
30				3.84	-17.186	-0.0064	/	Pass			
40				3.84	-0.260	-0.0001	/	Pass			
50	3.84	-19.766	-0.0074	/	Pass						
2503.5	75	0	20	3.6	-22.233	-0.0089	/	Pass			
				3.84	-10.887	-0.0043	/	Pass			
				4.3	-20.541	-0.0082	/	Pass			
			-30	3.84	4.121	0.0016	/	Pass			
			-20	3.84	-7.534	-0.0030	/	Pass			
			-10	3.84	-14.186	-0.0057	/	Pass			
			0	3.84	2.124	0.0008	/	Pass			
			10	3.84	-12.876	-0.0051	/	Pass			
			30	3.84	-3.813	-0.0015	/	Pass			
			40	3.84	-16.368	-0.0065	/	Pass			
			50	3.84	-2.243	-0.0009	/	Pass			
			2593	75	0	20	3.6	-18.046	-0.0070	/	Pass
							3.84	-5.074	-0.0020	/	Pass
							4.3	-25.554	-0.0099	/	Pass
-30	3.84	-6.708				-0.0026	/	Pass			
-20	3.84	-6.439				-0.0025	/	Pass			
-10	3.84	-19.481				-0.0075	/	Pass			
0	3.84	1.638				0.0006	/	Pass			
10	3.84	10.369				0.0040	/	Pass			
30	3.84	-12.058				-0.0047	/	Pass			
40	3.84	0.405				0.0002	/	Pass			
50	3.84	7.460	0.0029	/	Pass						
2682.5	75	0	20	3.6	5.750	0.0021	/	Pass			
				3.84	-7.817	-0.0029	/	Pass			



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Report No.: SZCR240200059401
Rev.: 01
Page: 18 of 298

				4.3	-5.942	-0.0022	/	Pass
				-30	3.84	15.878	0.0059	Pass
				-20	3.84	14.197	0.0053	Pass
				-10	3.84	8.869	0.0033	Pass
				0	3.84	-28.097	-0.0105	Pass
				10	3.84	-24.370	-0.0091	Pass
				30	3.84	-21.926	-0.0082	Pass
				40	3.84	7.606	0.0028	Pass
				50	3.84	-20.784	-0.0077	Pass



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 Rev.: 01
 Page: 19 of 298

2.4 B41_20MHz

2.4.1 Test Result

Band: 41 / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	2506	100	0	20	3.6	-13.907	-0.0055	/	Pass	
					3.84	8.722	0.0035	/	Pass	
					4.3	-1.931	-0.0008	/	Pass	
				-30	3.84	-0.788	-0.0003	/	Pass	
					-20	3.84	-15.908	-0.0063	/	Pass
						3.84	-6.752	-0.0027	/	Pass
				0	3.84	-20.098	-0.0080	/	Pass	
					10	3.84	12.436	0.0050	/	Pass
				30	3.84	-9.436	-0.0038	/	Pass	
	40	3.84	-16.231	-0.0065	/	Pass				
	50	3.84	-10.106	-0.0040	/	Pass				
	2593	100	0	20	3.6	-7.027	-0.0027	/	Pass	
					3.84	-17.787	-0.0069	/	Pass	
					4.3	5.249	0.0020	/	Pass	
				-30	3.84	-26.900	-0.0104	/	Pass	
					-20	3.84	-2.543	-0.0010	/	Pass
						3.84	-4.386	-0.0017	/	Pass
				0	3.84	-0.134	-0.0001	/	Pass	
					10	3.84	-12.311	-0.0047	/	Pass
				30	3.84	-3.994	-0.0015	/	Pass	
	40	3.84	-13.980	-0.0054	/	Pass				
	50	3.84	7.520	0.0029	/	Pass				
	2680	100	0	20	3.6	-10.417	-0.0039	/	Pass	
					3.84	-18.755	-0.0070	/	Pass	
					4.3	1.202	0.0004	/	Pass	
				-30	3.84	7.928	0.0030	/	Pass	
					-20	3.84	-6.256	-0.0023	/	Pass
3.84						-3.541	-0.0013	/	Pass	
0				3.84	-18.542	-0.0069	/	Pass		
				10	3.84	-13.944	-0.0052	/	Pass	
30				3.84	-3.939	-0.0015	/	Pass		
40	3.84	-17.465	-0.0065	/	Pass					
50	3.84	-12.427	-0.0046	/	Pass					
16QAM	2506	100	0	20	3.6	-18.069	-0.0072	/	Pass	
					3.84	-18.869	-0.0075	/	Pass	
					4.3	-1.152	-0.0005	/	Pass	
				-30	3.84	8.393	0.0033	/	Pass	
					-20	3.84	-2.168	-0.0009	/	Pass
				-10	3.84	-16.656	-0.0066	/	Pass	
					0	3.84	-12.835	-0.0051	/	Pass
10	3.84	-10.866	-0.0043	/	Pass					



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Report No.: SZCR240200059401

Rev.: 01

Page: 20 of 298

64QAM	2593	100	0	30	3.84	-0.540	-0.0002	/	Pass
				40	3.84	-4.285	-0.0017	/	Pass
				50	3.84	15.536	0.0062	/	Pass
				20	3.6	-8.900	-0.0034	/	Pass
					3.84	21.351	0.0082	/	Pass
					4.3	0.222	0.0001	/	Pass
				-30	3.84	11.460	0.0044	/	Pass
				-20	3.84	13.972	0.0054	/	Pass
				-10	3.84	-10.444	-0.0040	/	Pass
				0	3.84	7.459	0.0029	/	Pass
	10	3.84	-26.609	-0.0103	/	Pass			
	30	3.84	-18.289	-0.0071	/	Pass			
	40	3.84	-12.708	-0.0049	/	Pass			
	50	3.84	-7.565	-0.0029	/	Pass			
	2680	100	0	20	3.6	-12.492	-0.0047	/	Pass
					3.84	-12.627	-0.0047	/	Pass
					4.3	-13.191	-0.0049	/	Pass
				-30	3.84	-25.293	-0.0094	/	Pass
				-20	3.84	5.764	0.0022	/	Pass
				-10	3.84	-9.808	-0.0037	/	Pass
0				3.84	12.787	0.0048	/	Pass	
10				3.84	-9.589	-0.0036	/	Pass	
30				3.84	-13.034	-0.0049	/	Pass	
40				3.84	15.518	0.0058	/	Pass	
50	3.84	12.596	0.0047	/	Pass				
2506	100	0	20	3.6	-15.214	-0.0061	/	Pass	
				3.84	-14.177	-0.0057	/	Pass	
				4.3	-0.408	-0.0002	/	Pass	
			-30	3.84	-14.028	-0.0056	/	Pass	
			-20	3.84	-15.600	-0.0062	/	Pass	
			-10	3.84	-7.154	-0.0029	/	Pass	
			0	3.84	-20.074	-0.0080	/	Pass	
			10	3.84	-4.777	-0.0019	/	Pass	
			30	3.84	-28.536	-0.0114	/	Pass	
			40	3.84	-10.935	-0.0044	/	Pass	
	50	3.84	-16.510	-0.0066	/	Pass			
	2593	100	0	20	3.6	-29.272	-0.0113	/	Pass
					3.84	-15.534	-0.0060	/	Pass
					4.3	1.020	0.0004	/	Pass
				-30	3.84	-9.369	-0.0036	/	Pass
				-20	3.84	-13.415	-0.0052	/	Pass
				-10	3.84	13.639	0.0053	/	Pass
				0	3.84	-19.534	-0.0075	/	Pass
10				3.84	-13.624	-0.0053	/	Pass	
30	3.84	-7.618	-0.0029	/	Pass				
40	3.84	3.241	0.0012	/	Pass				
50	3.84	-4.387	-0.0017	/	Pass				
2680	100	0	20	3.6	11.770	0.0044	/	Pass	
				3.84	-4.529	-0.0017	/	Pass	



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Report No.: SZCR240200059401
Rev.: 01
Page: 21 of 298

				4.3	0.474	0.0002	/	Pass
				-30	3.84	-18.255	-0.0068	Pass
				-20	3.84	-10.602	-0.0040	Pass
				-10	3.84	11.175	0.0042	Pass
				0	3.84	-5.744	-0.0021	Pass
				10	3.84	-26.743	-0.0100	Pass
				30	3.84	-0.766	-0.0003	Pass
				40	3.84	5.844	0.0022	Pass
				50	3.84	-0.689	-0.0003	Pass



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Report No.: SZCR240200059401

Rev.: 01

Page: 22 of 298

3. 99% & 26dB Bandwidth

3.1 Band41_OBW

3.1.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	4.546	/	Pass
		2593	25	0	4.538	/	Pass
		2687.5	25	0	4.554	/	Pass
	16QAM	2498.5	25	0	4.556	/	Pass
		2593	25	0	4.531	/	Pass
		2687.5	25	0	4.543	/	Pass
	64QAM	2498.5	25	0	4.543	/	Pass
		2593	25	0	4.541	/	Pass
		2687.5	25	0	4.530	/	Pass
10	QPSK	2501	50	0	9.074	/	Pass
		2593	50	0	9.084	/	Pass
		2685	50	0	9.093	/	Pass
	16QAM	2501	50	0	9.048	/	Pass
		2593	50	0	9.034	/	Pass
		2685	50	0	9.072	/	Pass
	64QAM	2501	50	0	9.091	/	Pass
		2593	50	0	9.050	/	Pass
		2685	50	0	9.086	/	Pass
15	QPSK	2503.5	75	0	13.596	/	Pass
		2593	75	0	13.570	/	Pass
		2682.5	75	0	13.589	/	Pass
	16QAM	2503.5	75	0	13.633	/	Pass
		2593	75	0	13.609	/	Pass
		2682.5	75	0	13.668	/	Pass
	64QAM	2503.5	75	0	13.590	/	Pass
		2593	75	0	13.587	/	Pass
		2682.5	75	0	13.564	/	Pass
20	QPSK	2506	100	0	18.080	/	Pass
		2593	100	0	18.065	/	Pass
		2680	100	0	18.138	/	Pass
	16QAM	2506	100	0	18.068	/	Pass
		2593	100	0	18.080	/	Pass
		2680	100	0	18.124	/	Pass
	64QAM	2506	100	0	18.060	/	Pass
		2593	100	0	18.119	/	Pass
		2680	100	0	18.144	/	Pass



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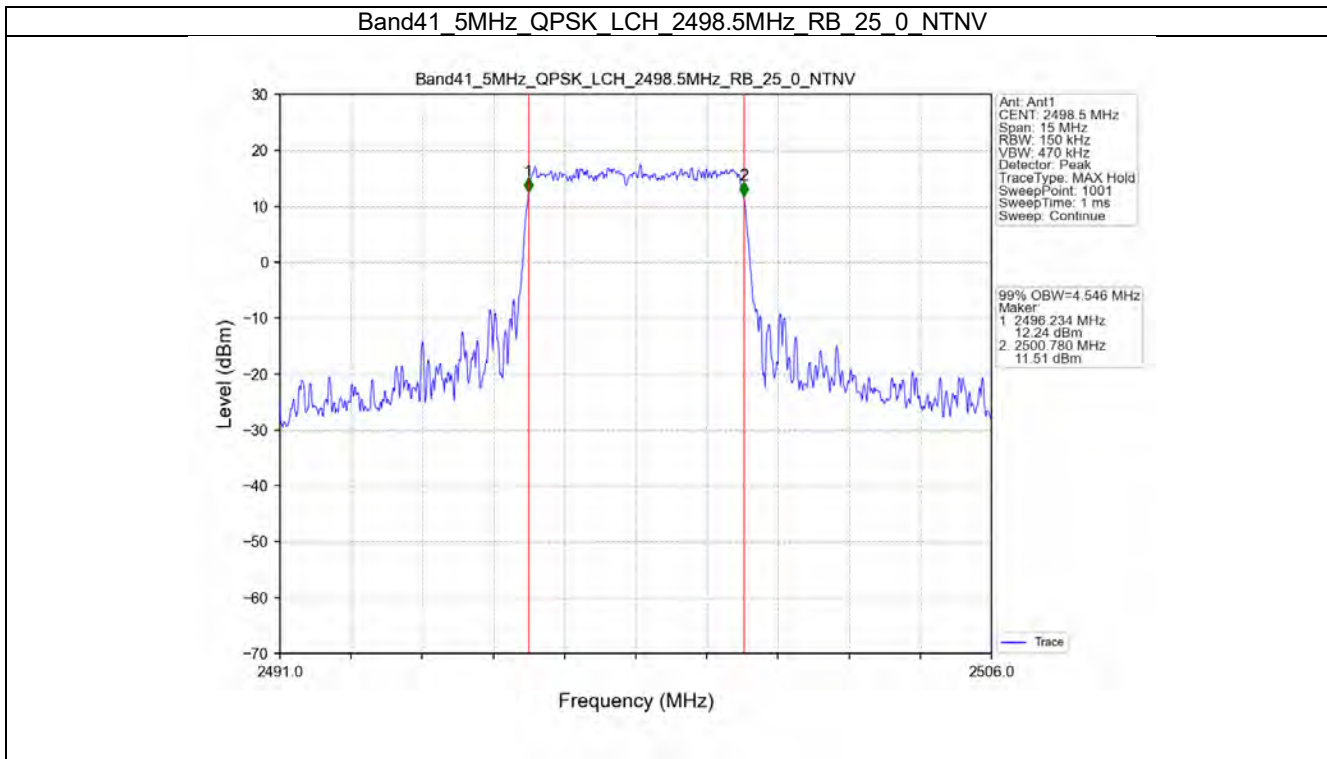
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Report No.: SZCR240200059401
Rev.: 01
Page: 23 of 298

3.1.2 Test Graph



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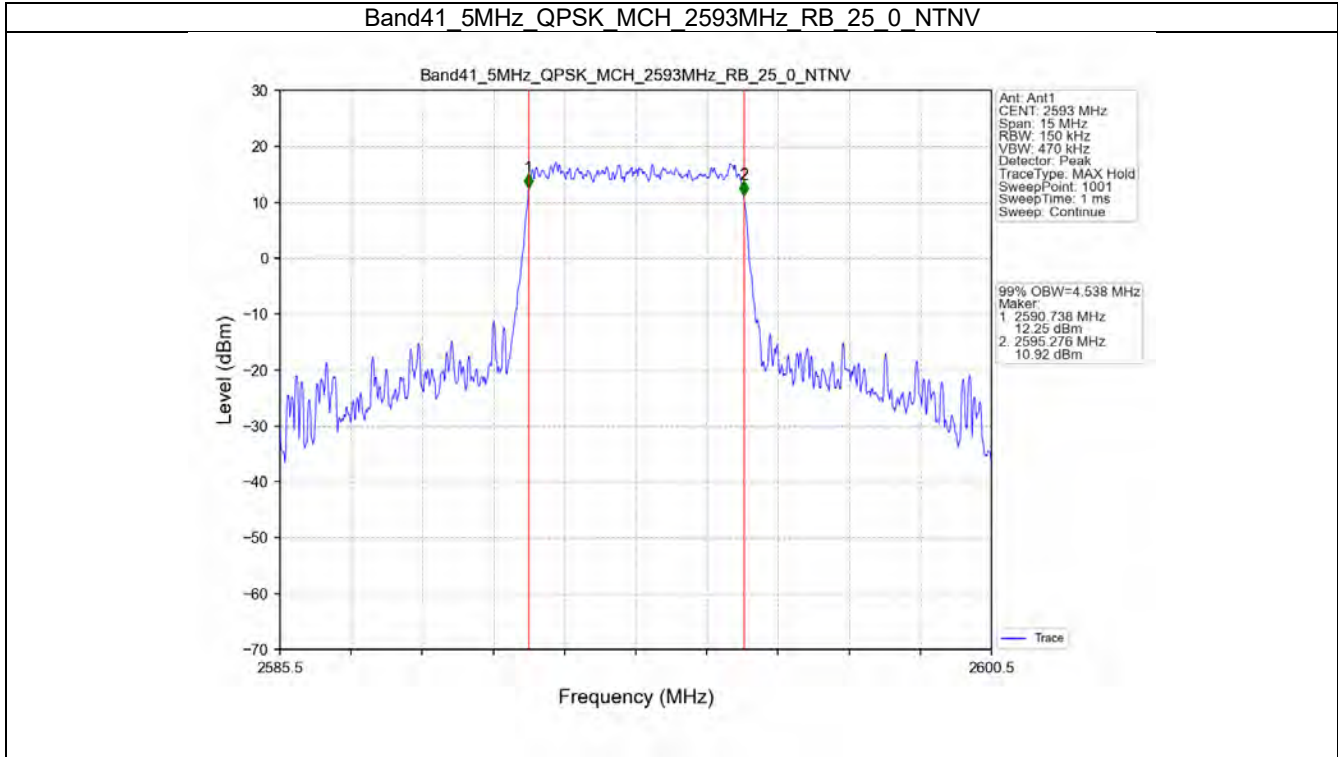
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 24 of 298



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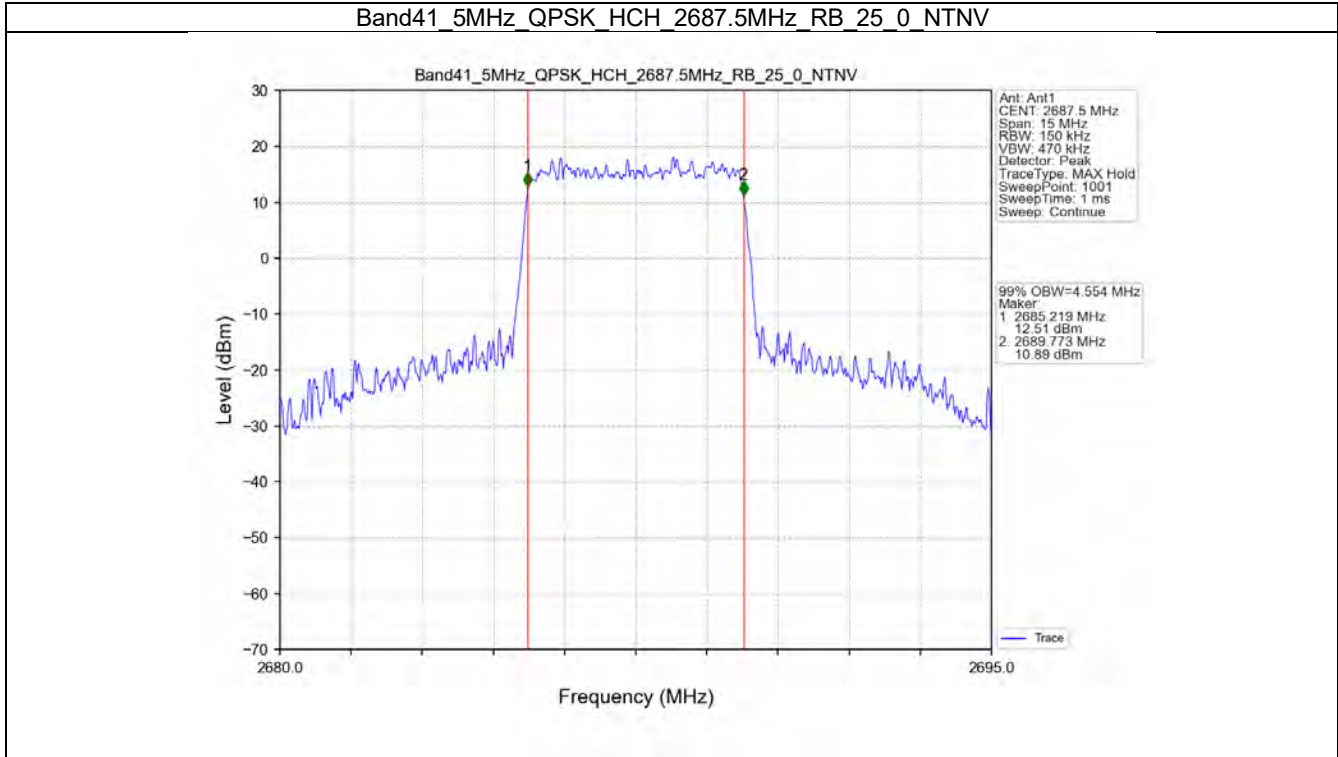
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 25 of 298



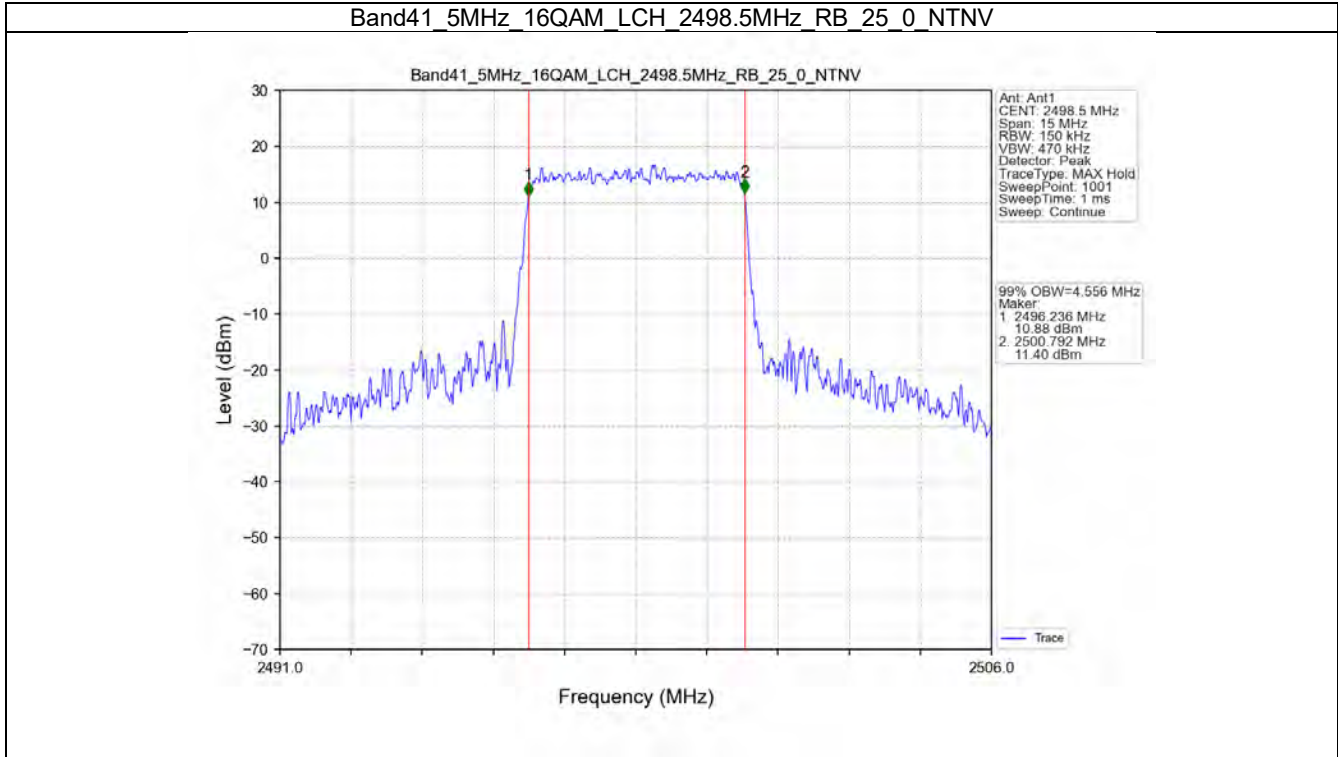
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 26 of 298



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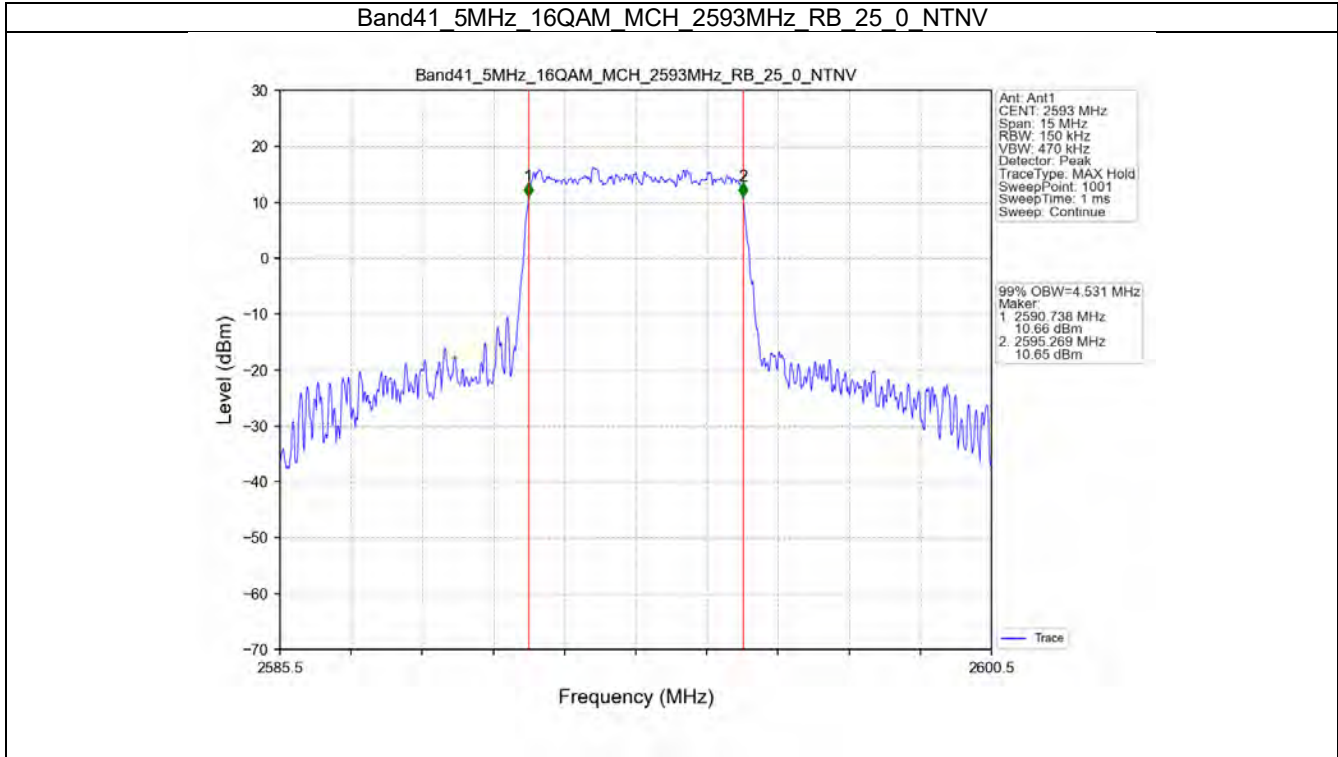
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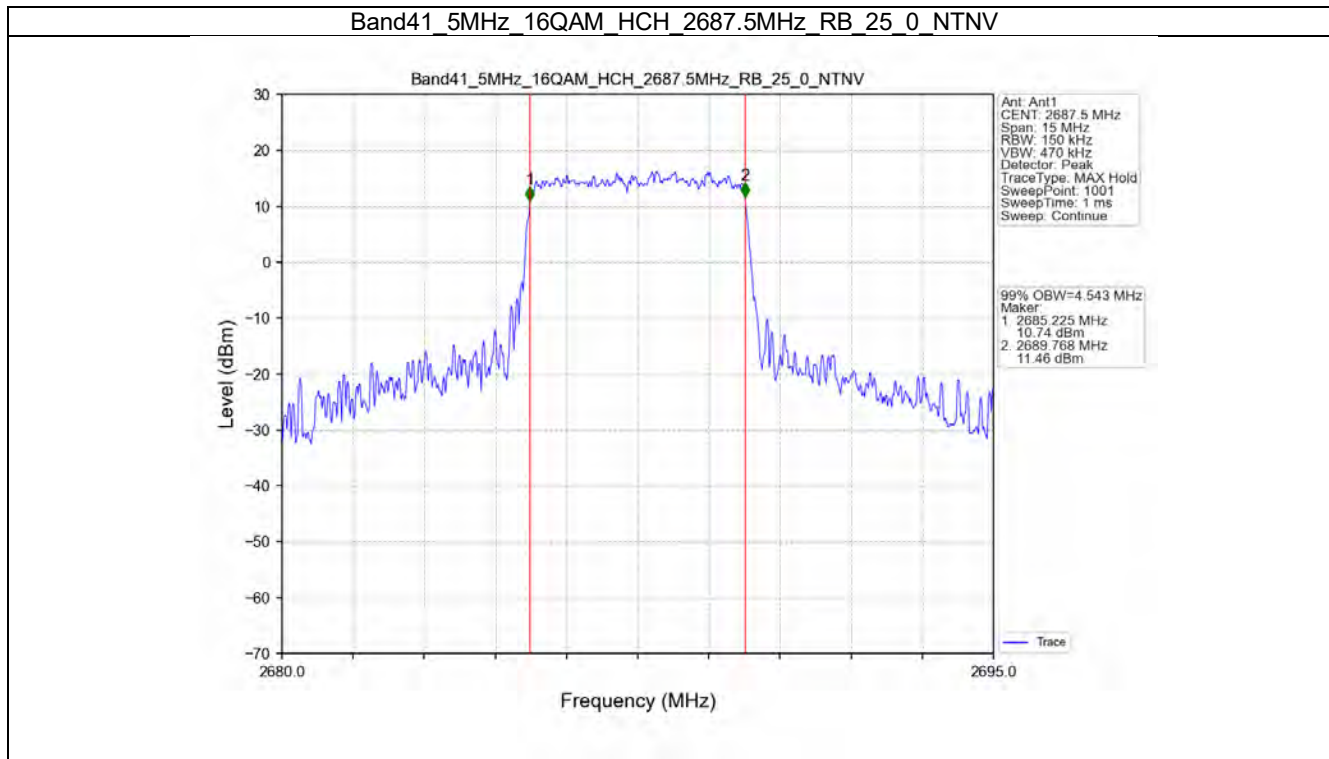


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Rev.: 01

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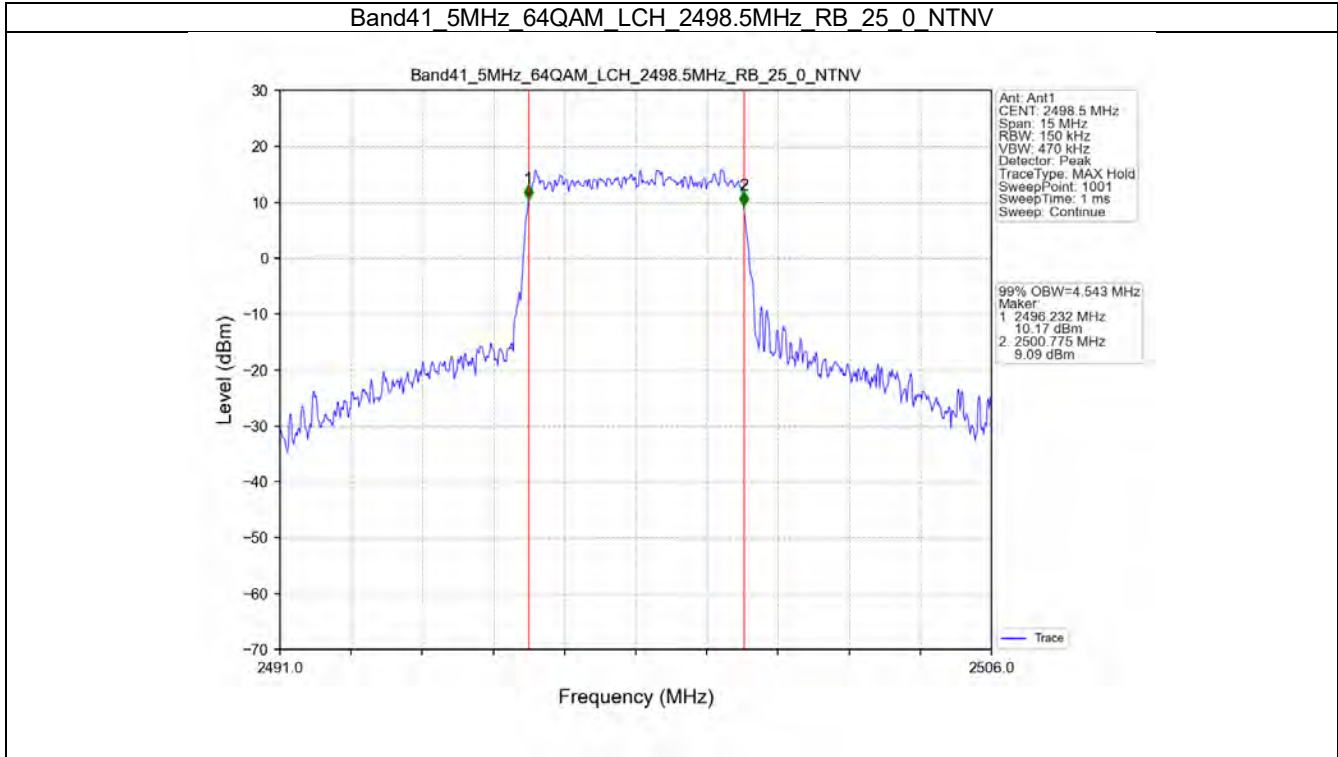
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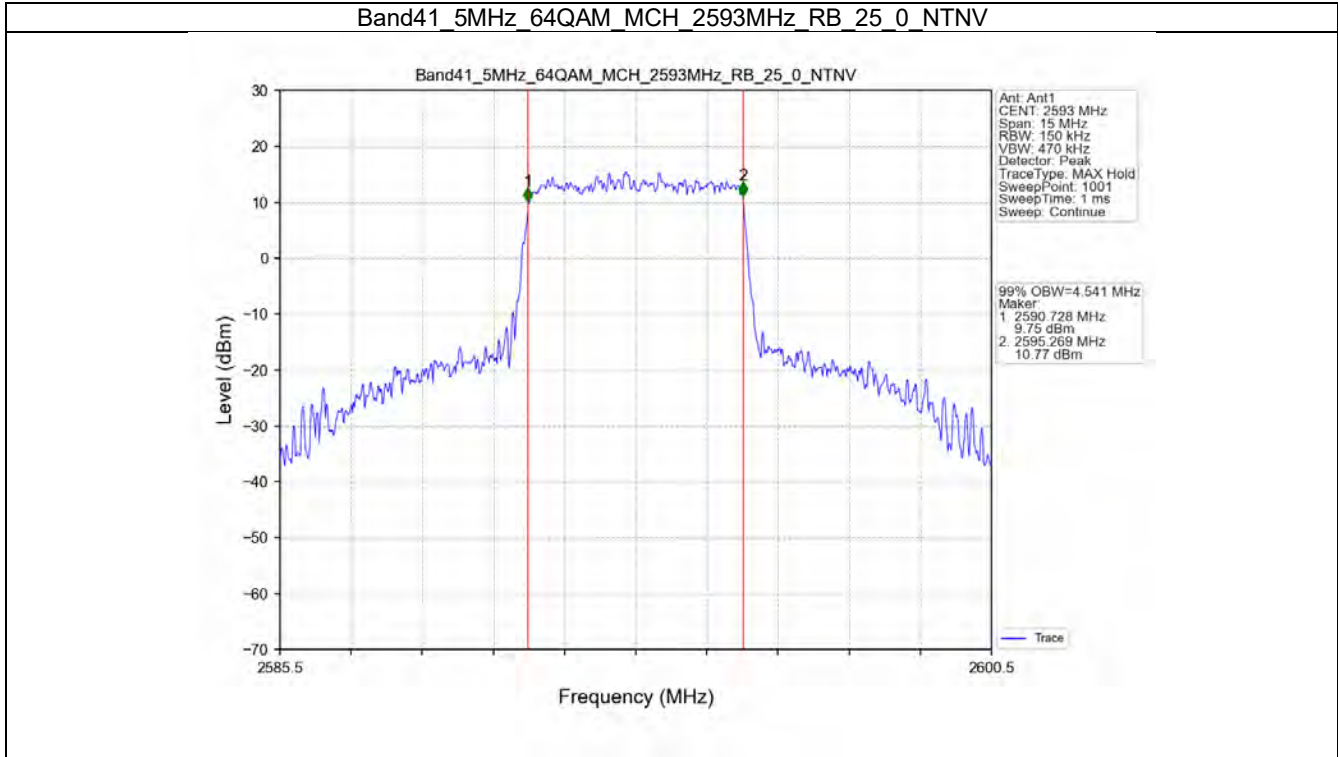
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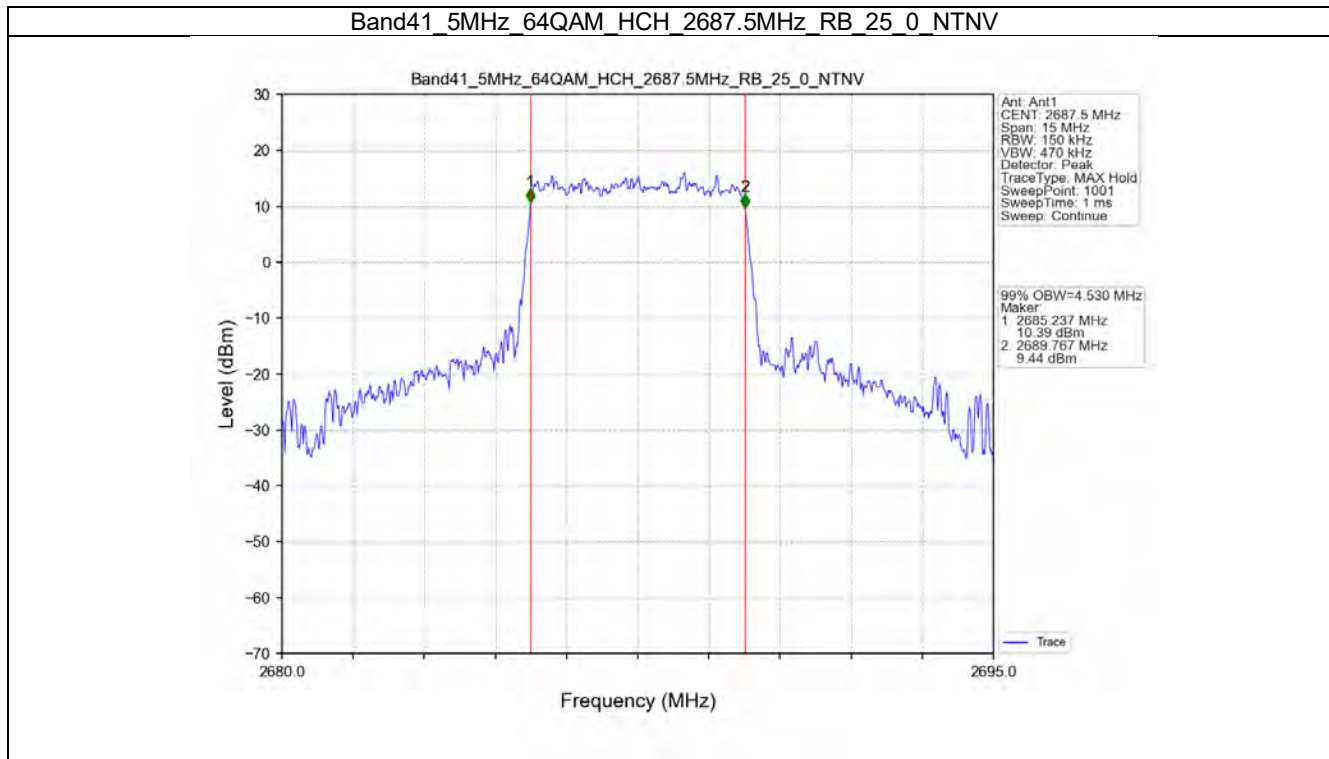
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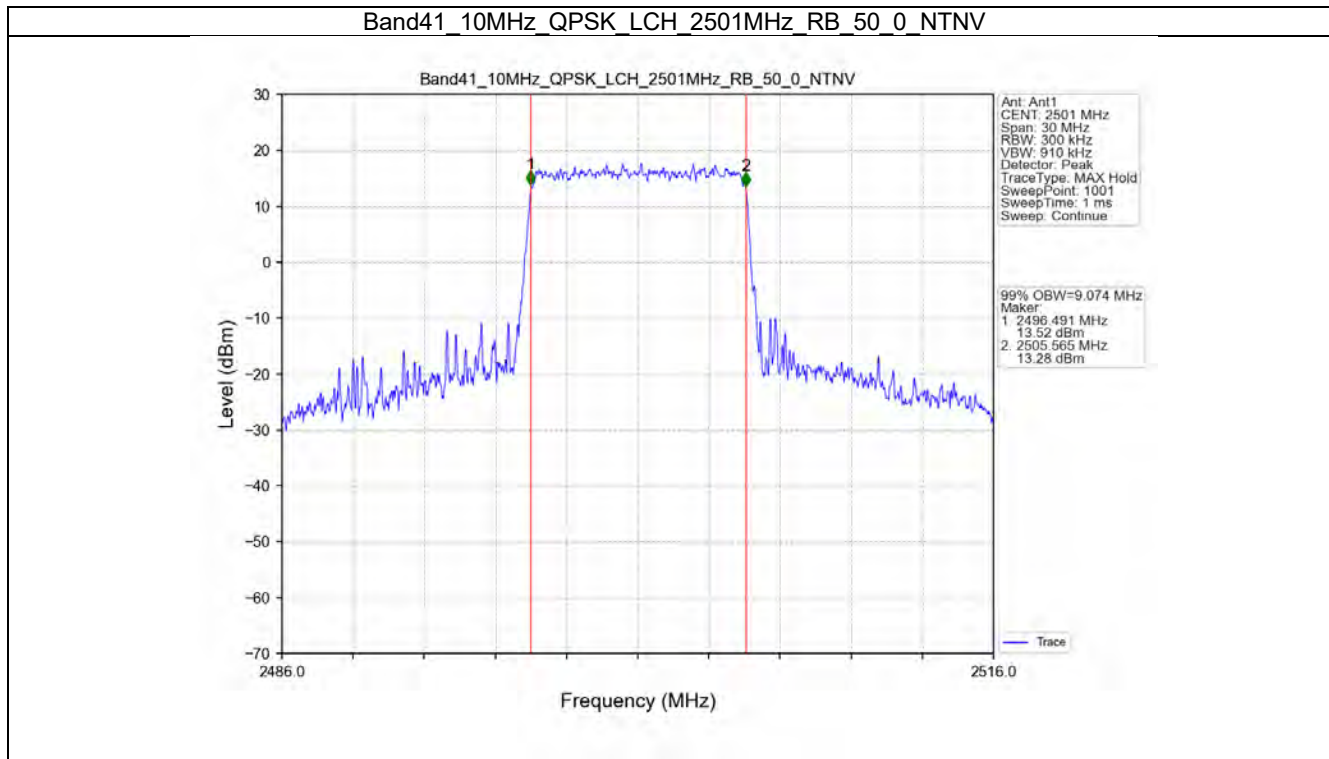


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Rev.: 01

Page: 32 of 298



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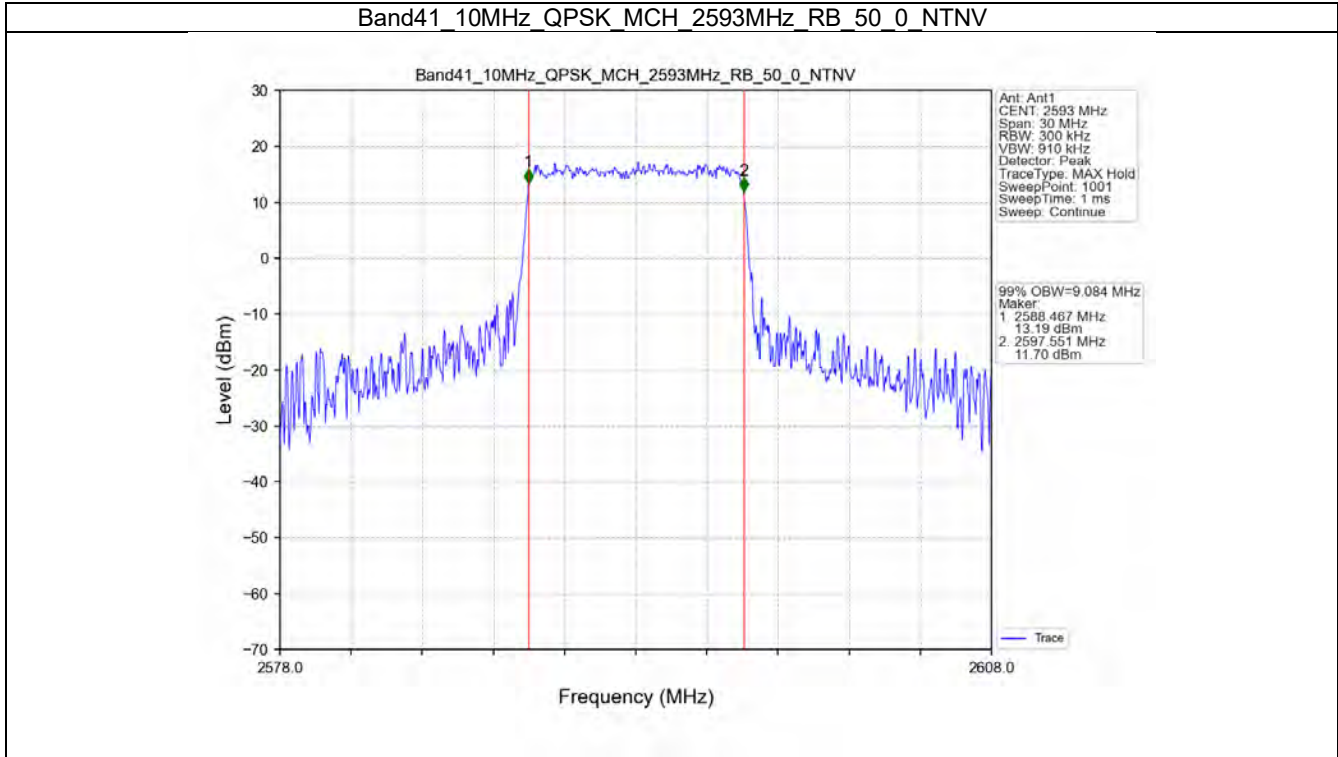
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 33 of 298



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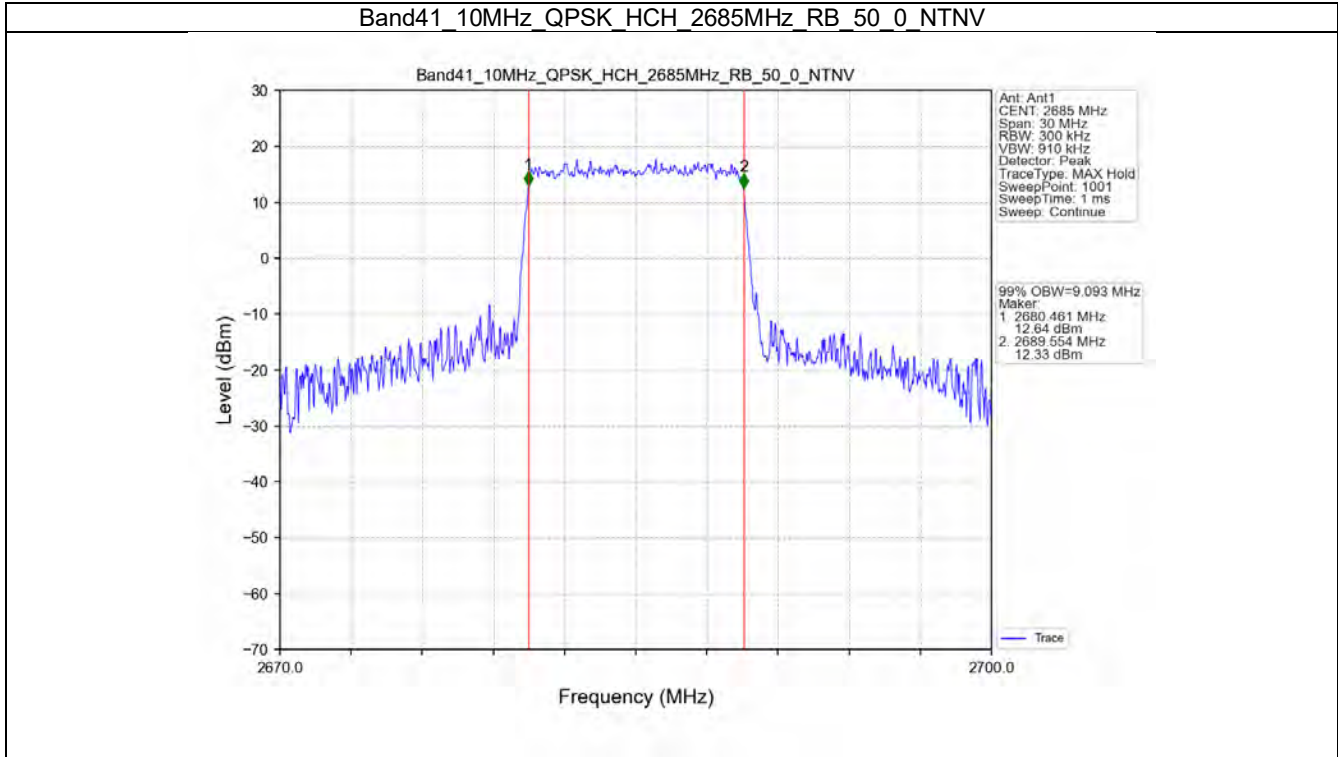
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 34 of 298



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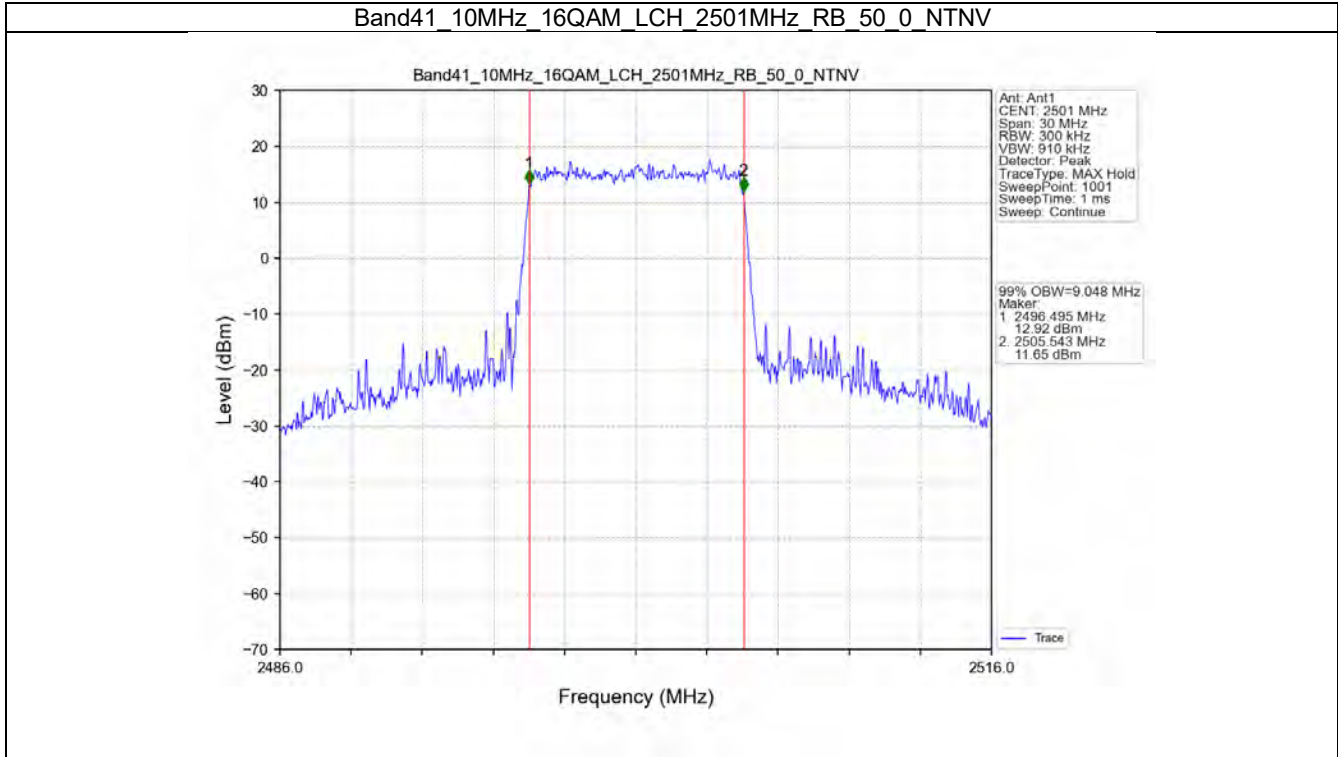
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 35 of 298



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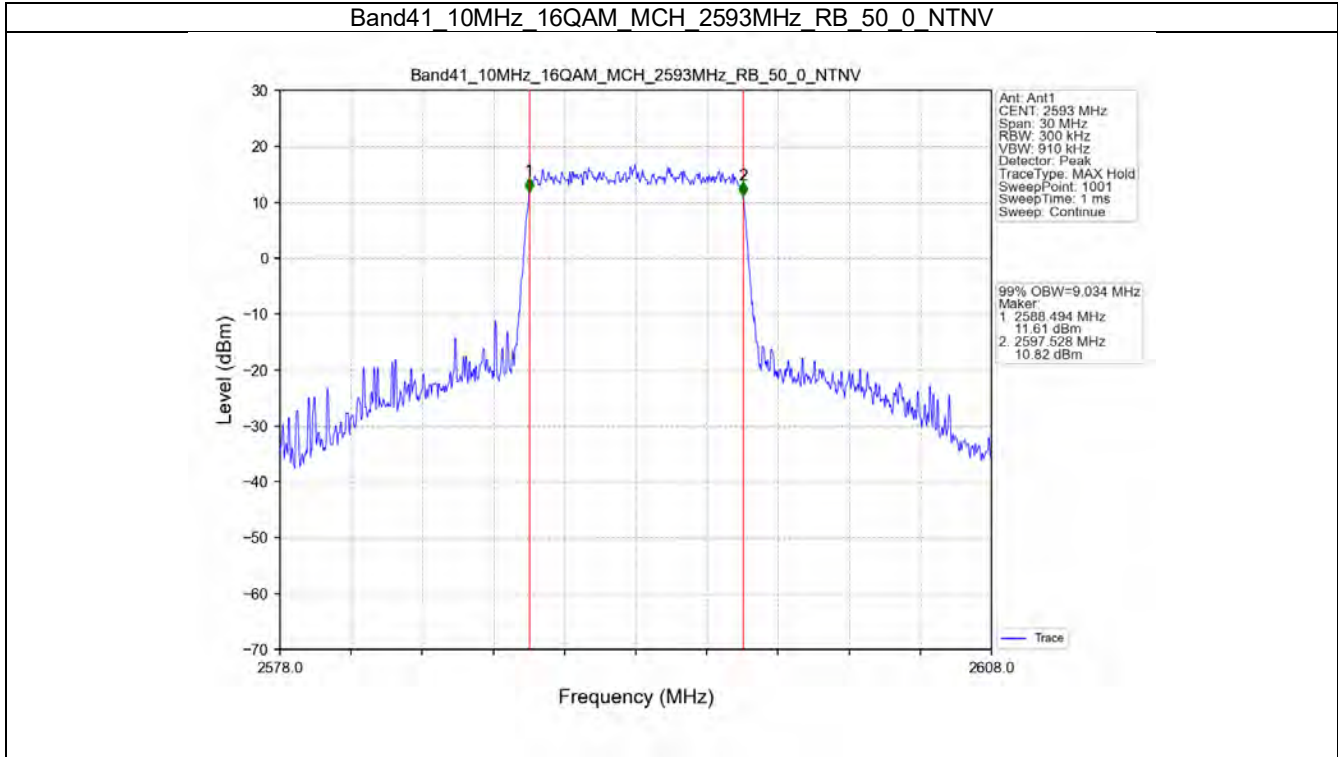
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 36 of 298



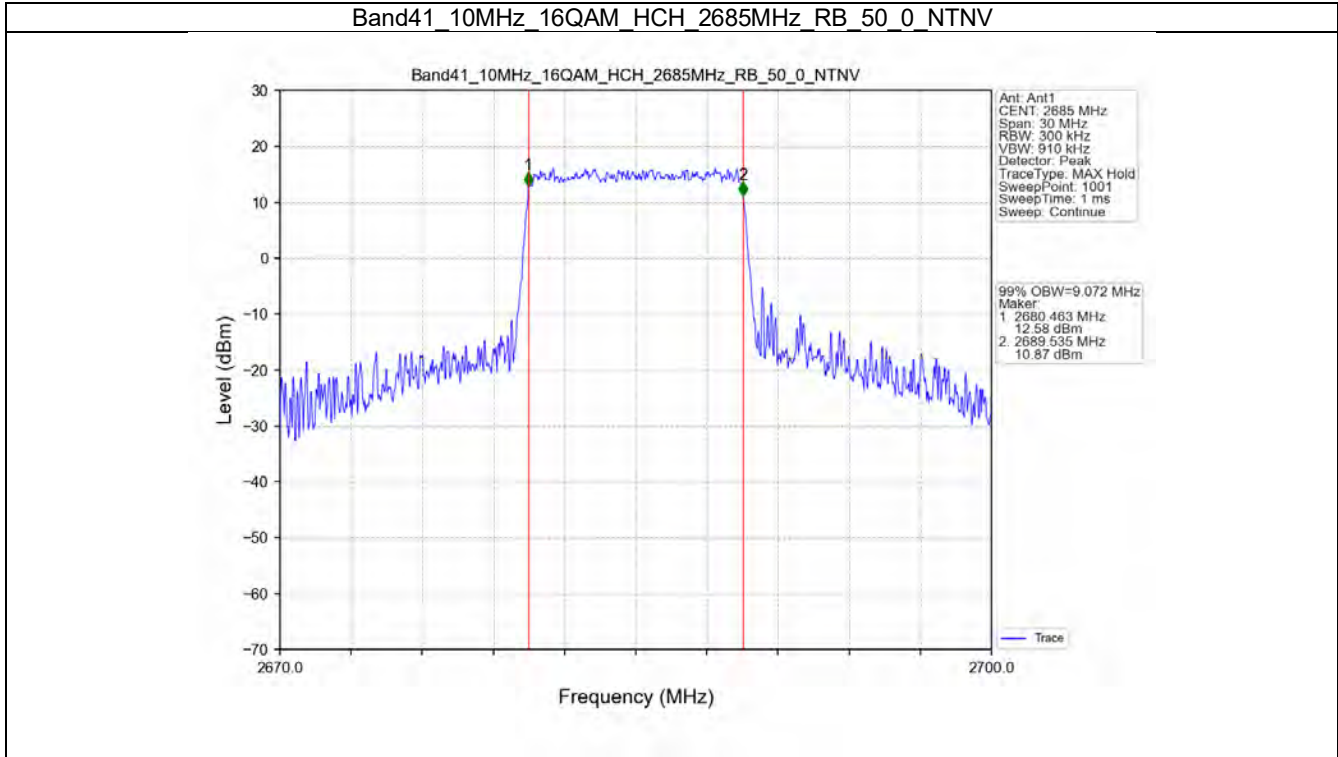
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 Rev.: 01
 Page: 37 of 298



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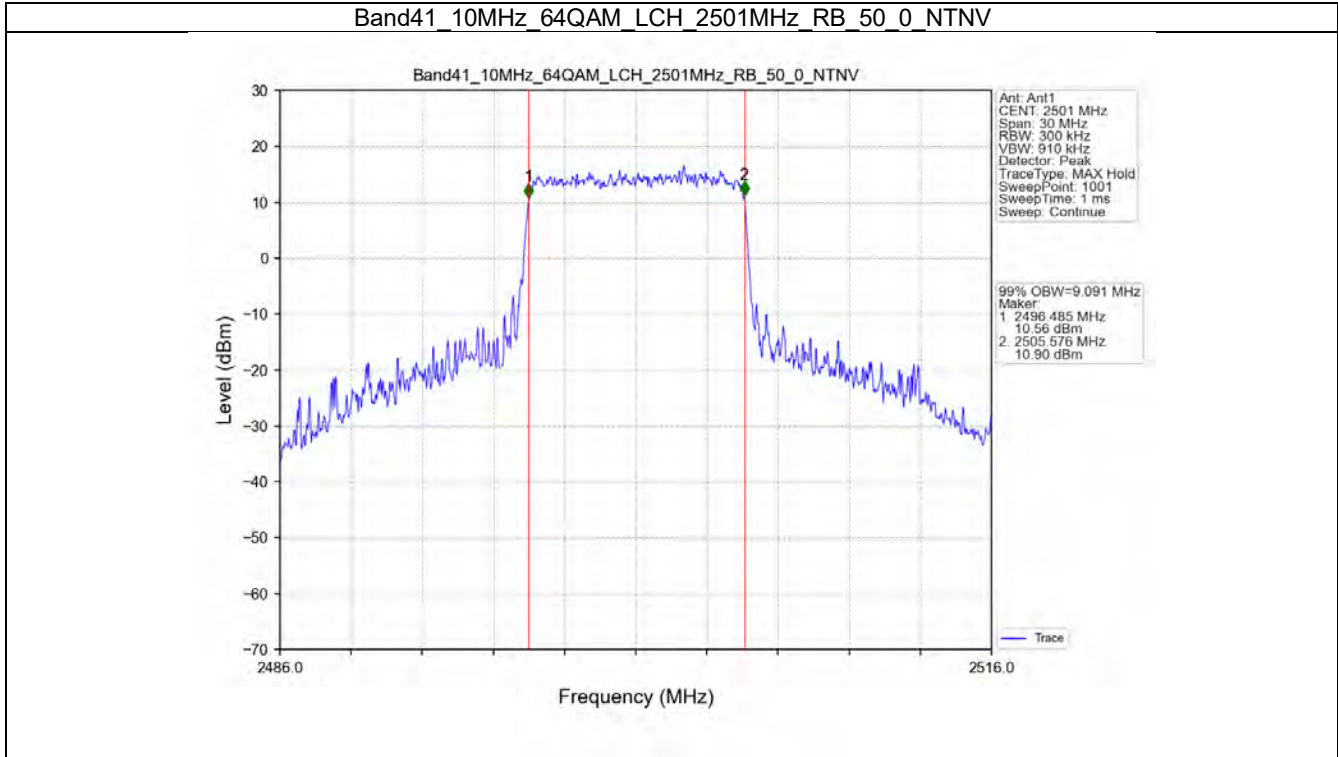
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Report No.: SZCR240200059401
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 Page: 38 of 298



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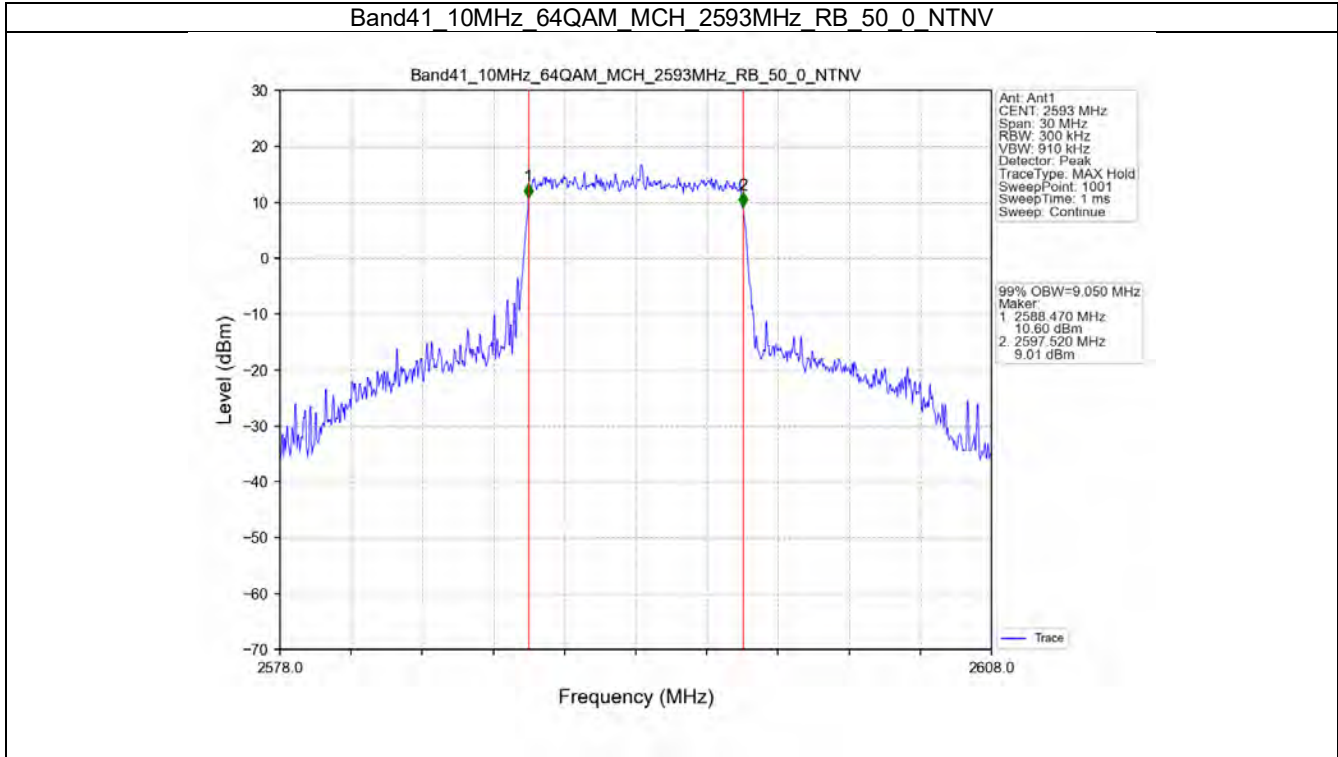
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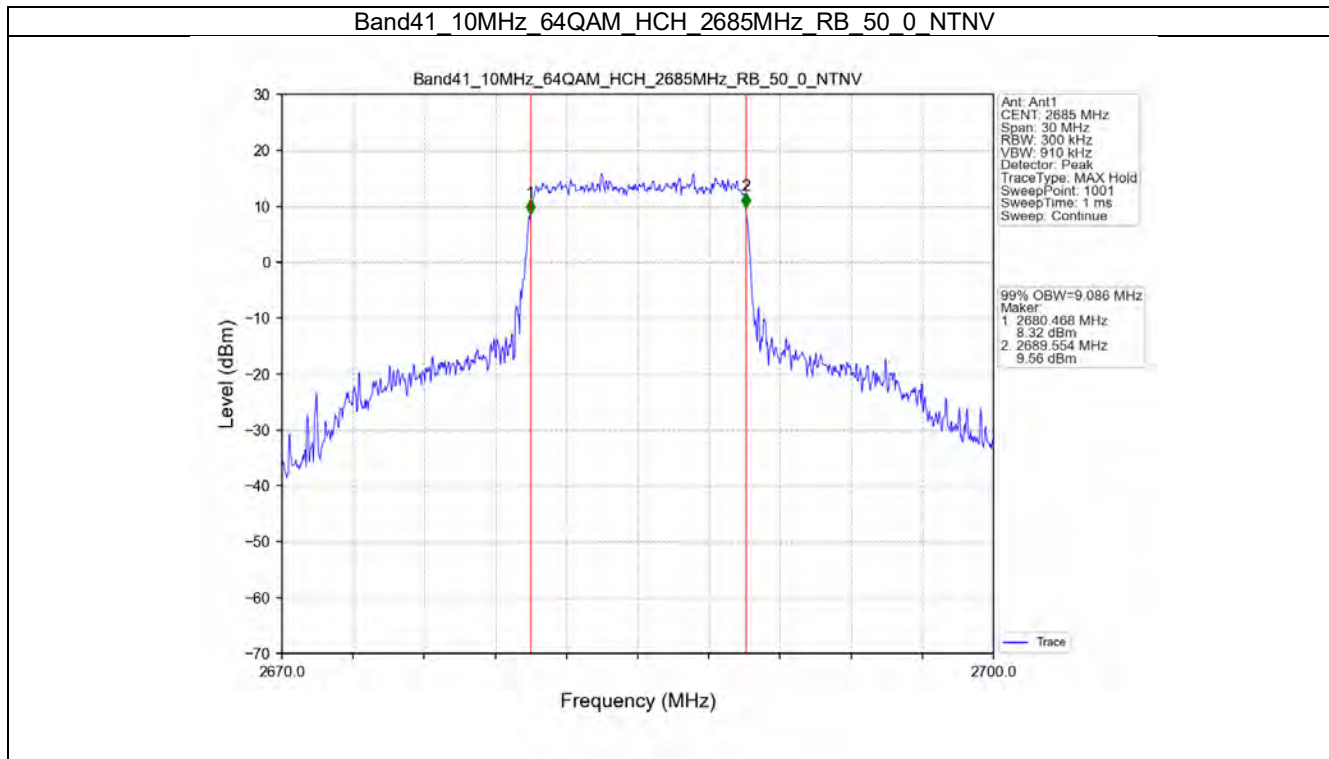
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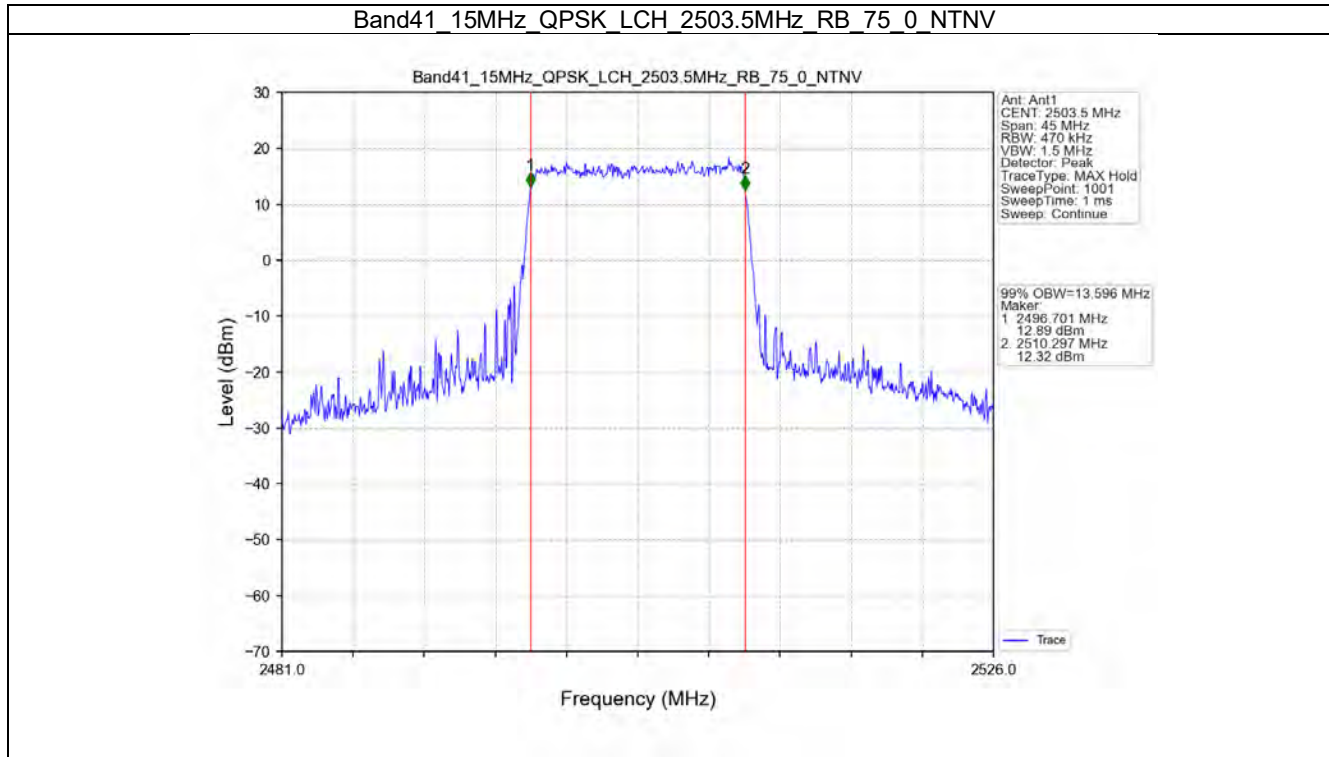
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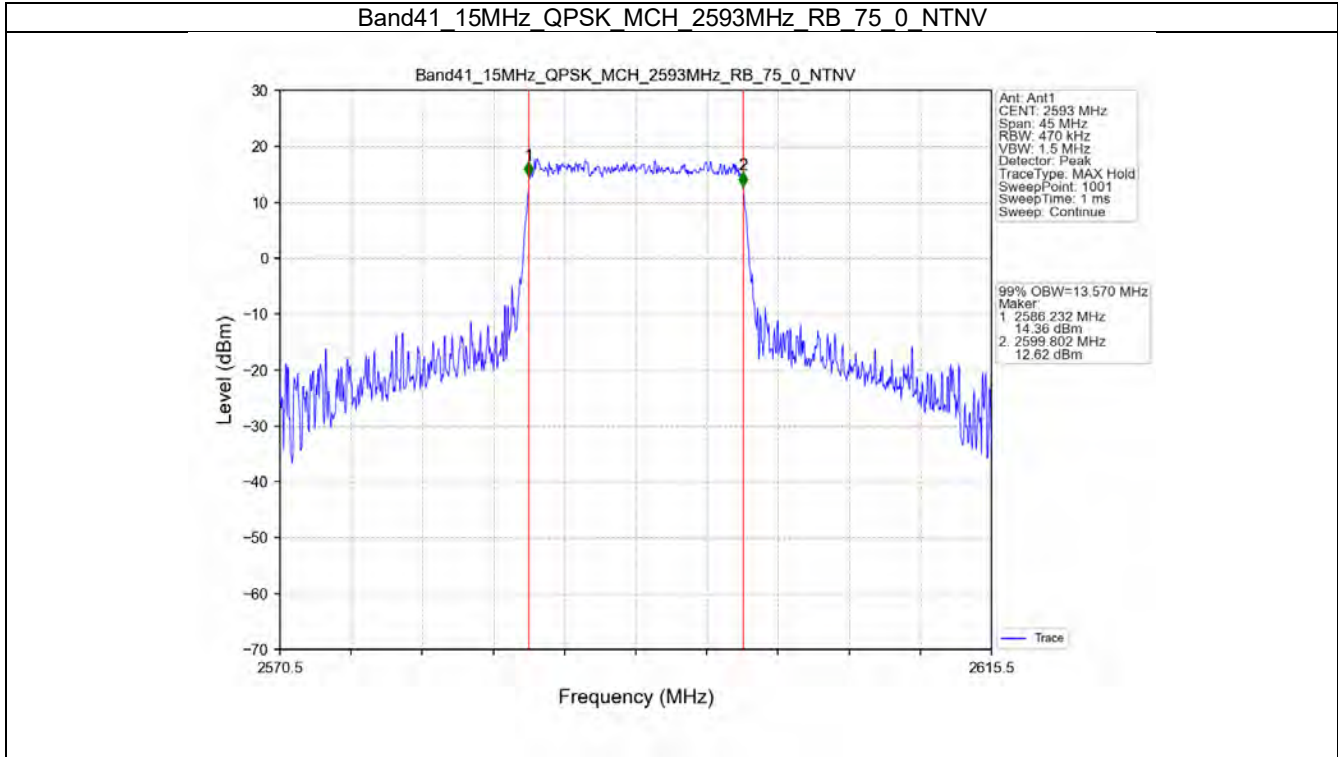
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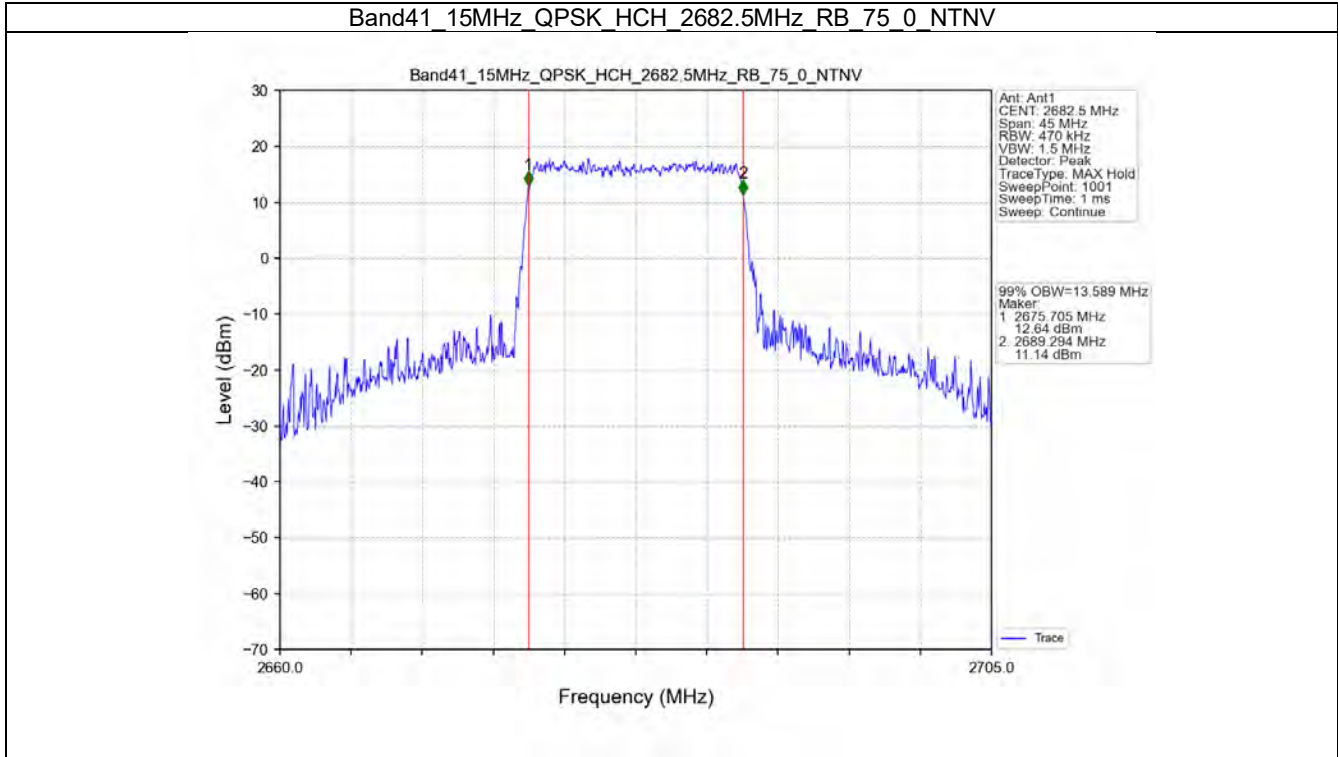
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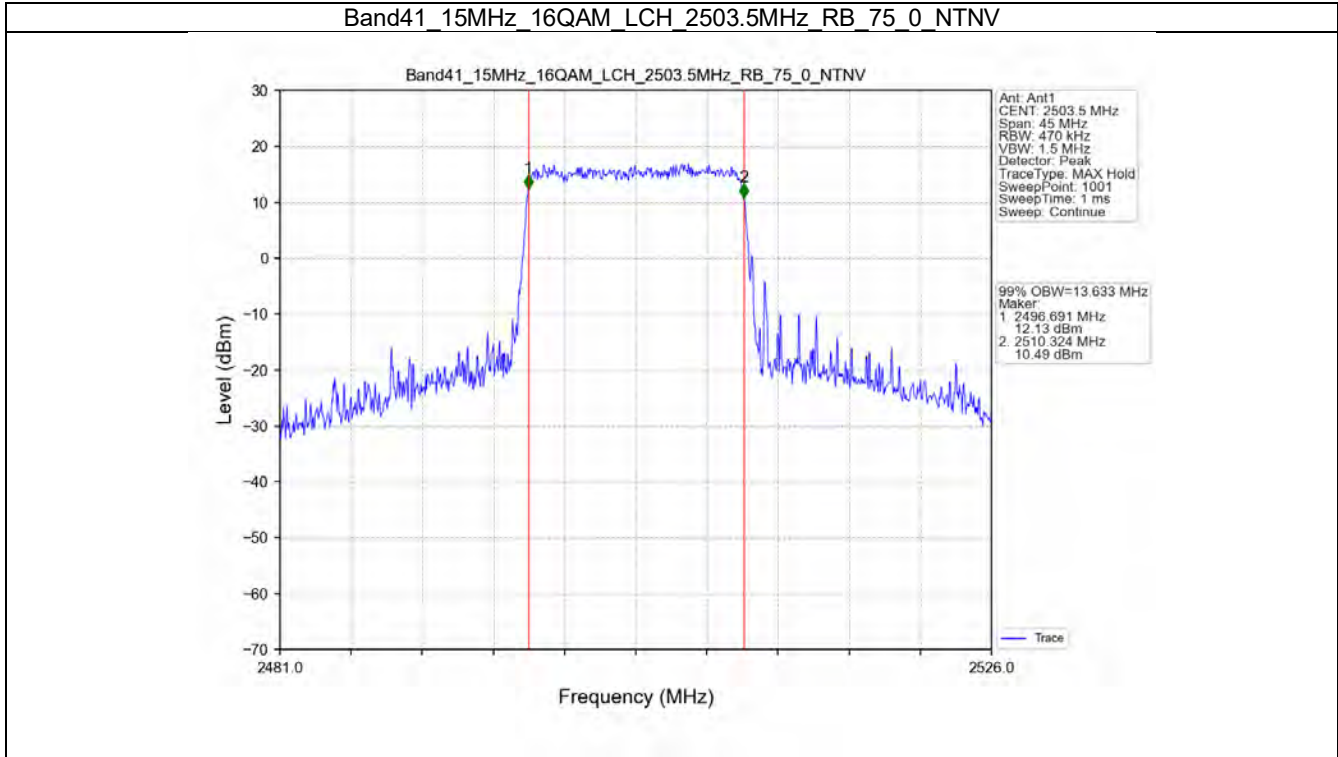
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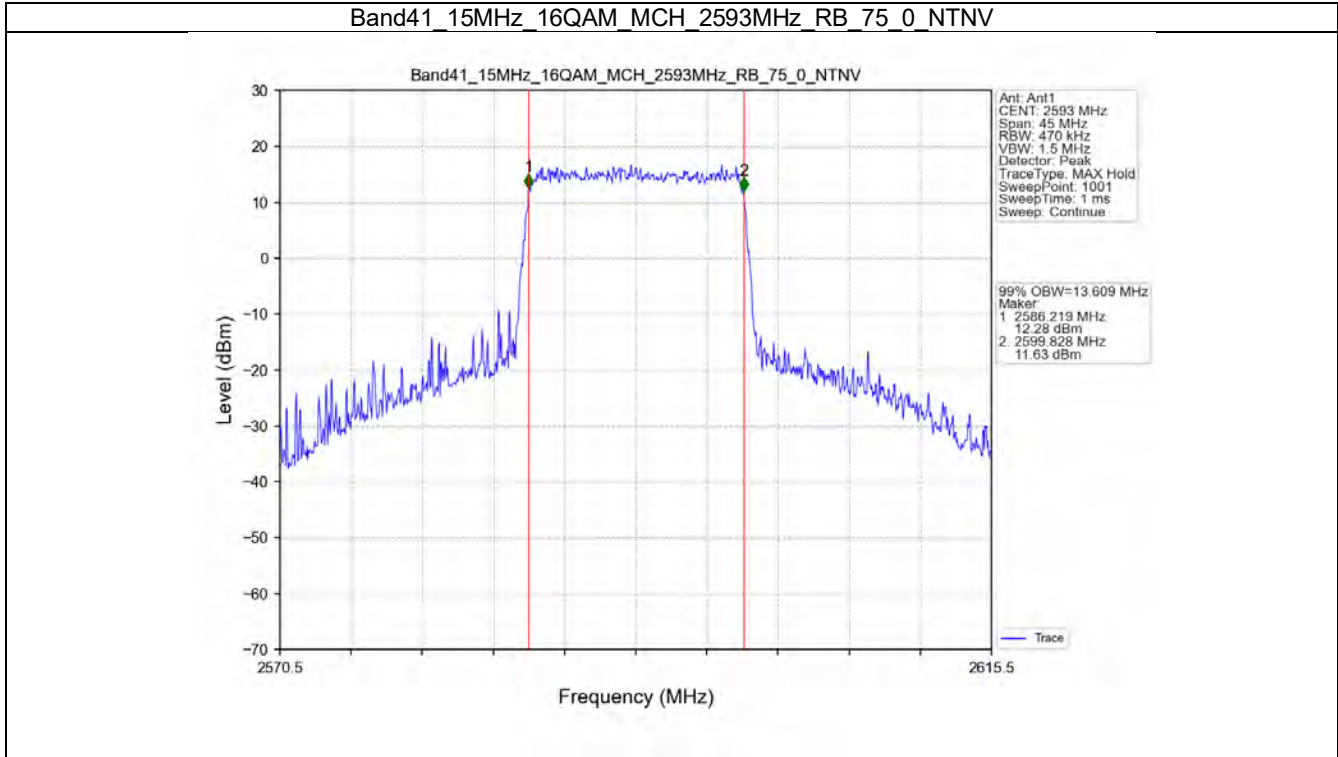
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 Page: 45 of 298



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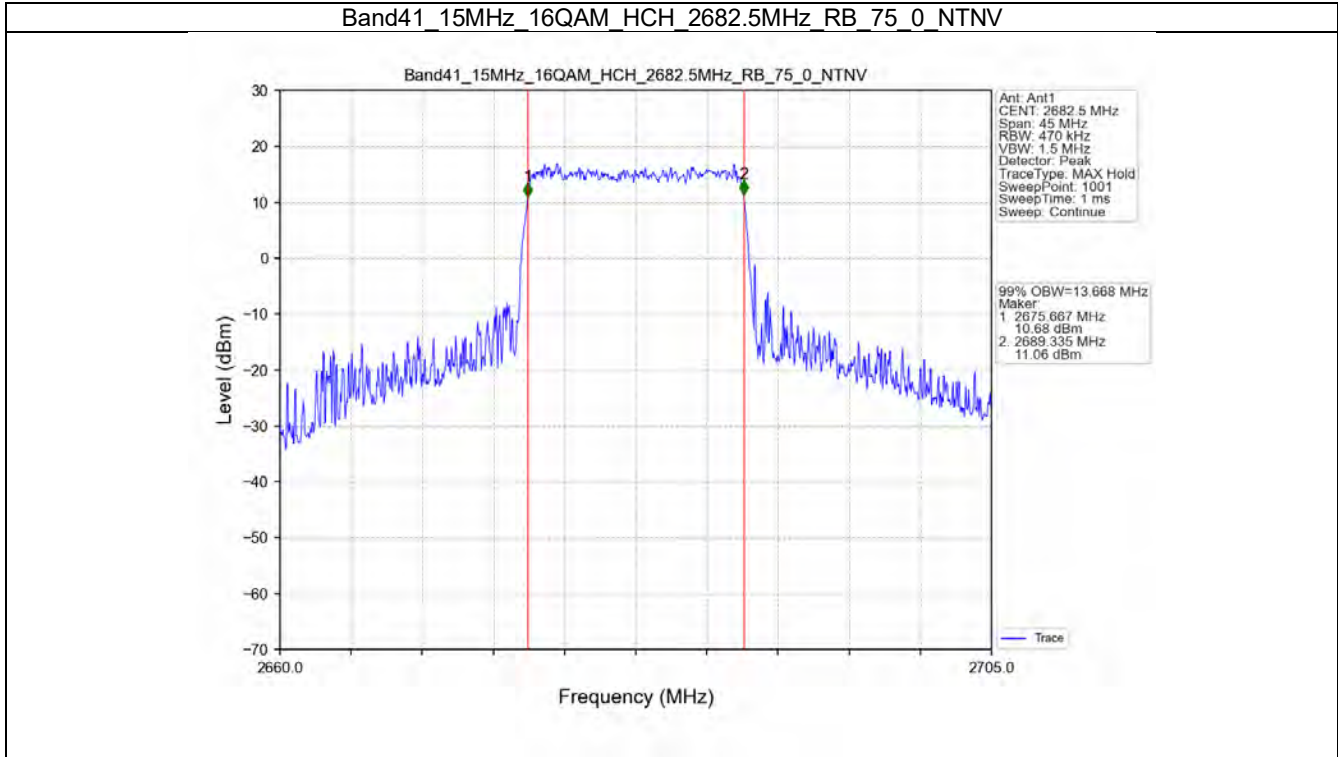
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Shenzhen Branch

Report No.: SZCR240200059401
 Rev.: 01
 Page: 46 of 298



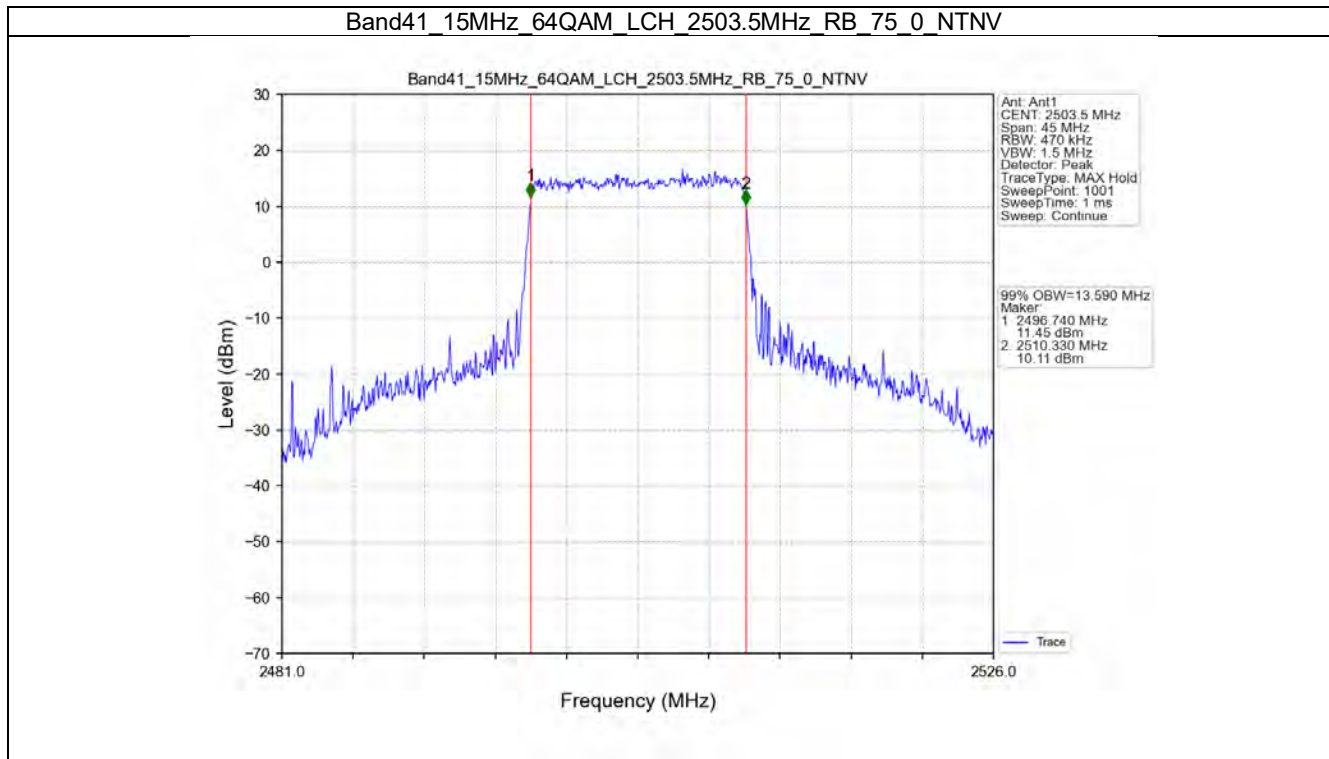
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 47 of 298



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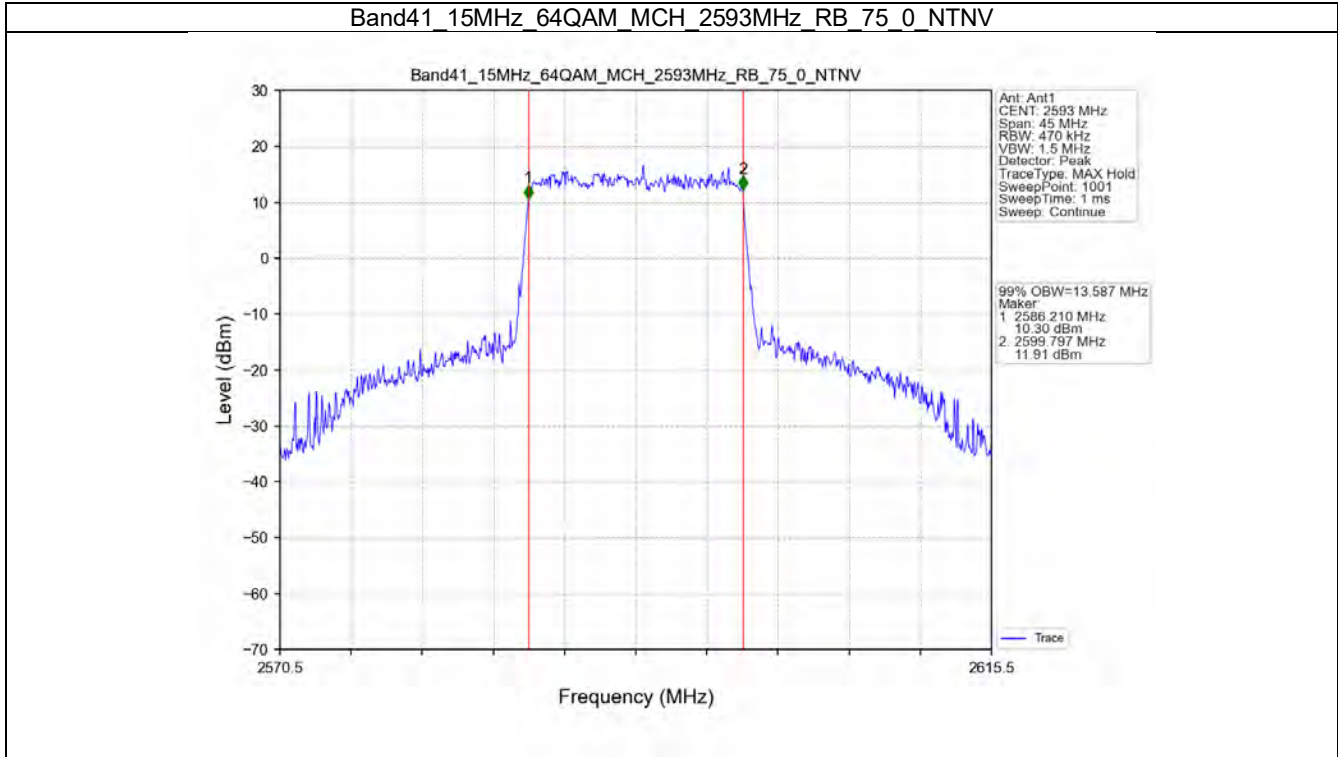
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 48 of 298



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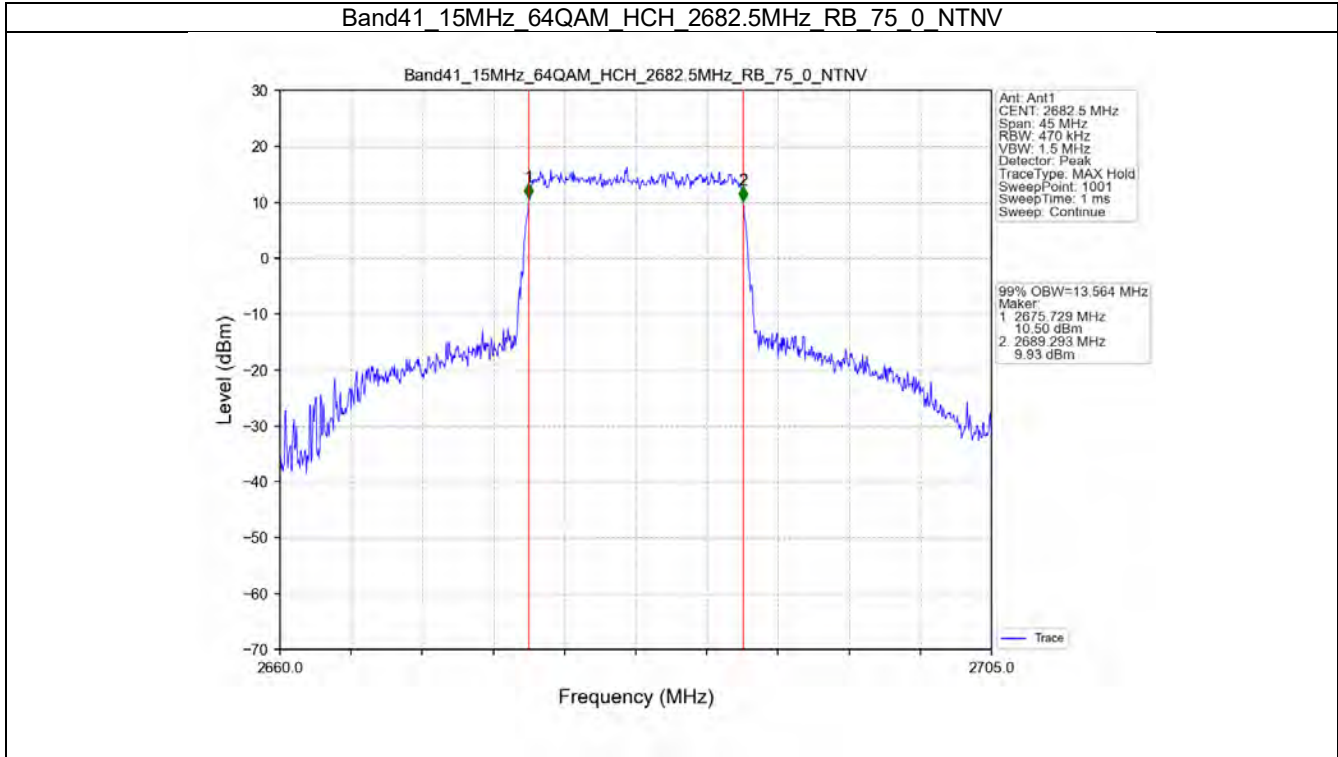
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 49 of 298



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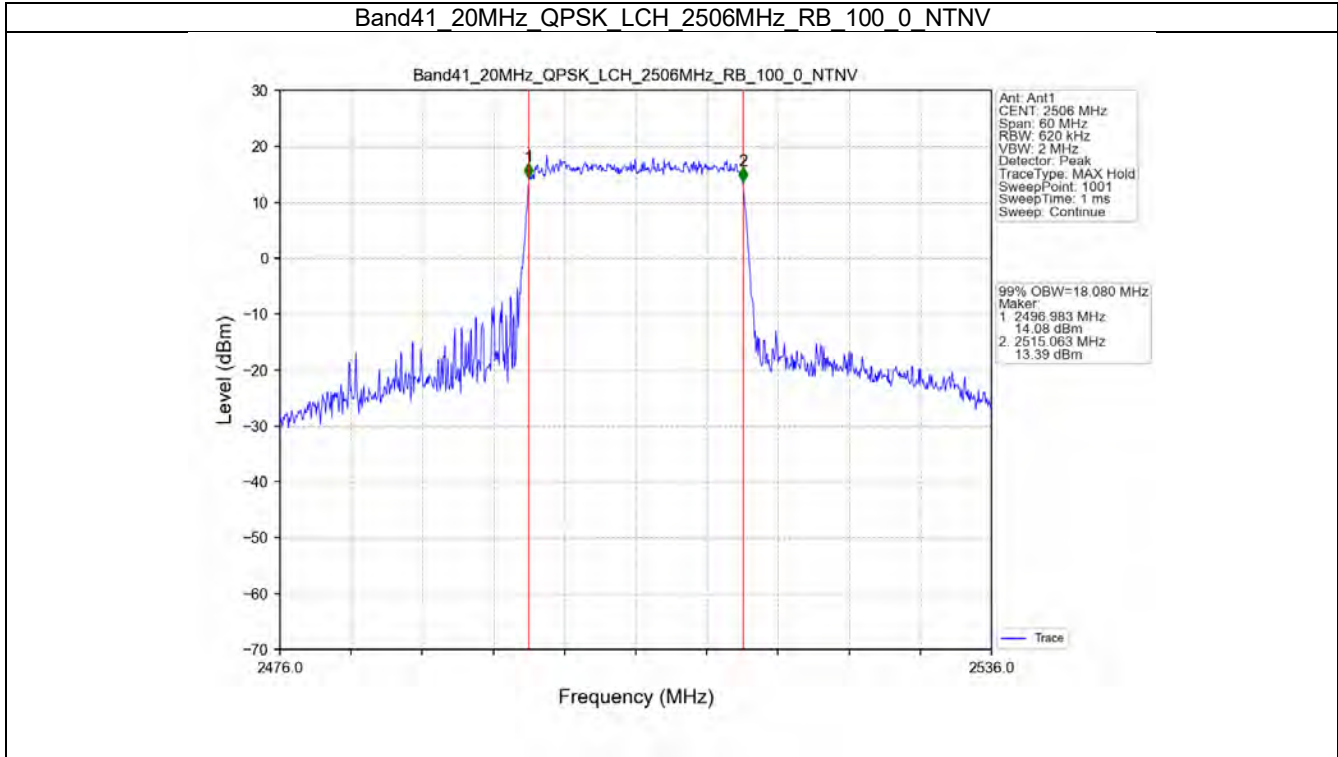
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 50 of 298



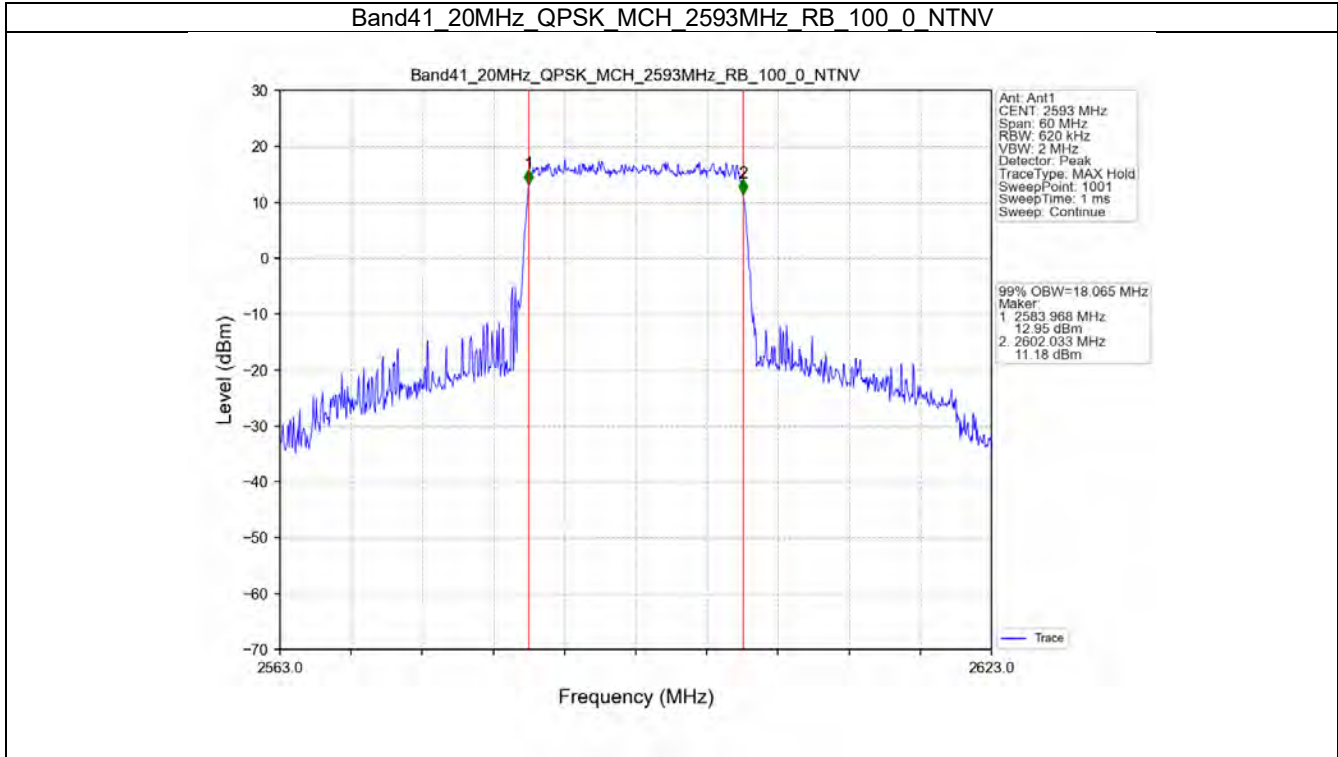
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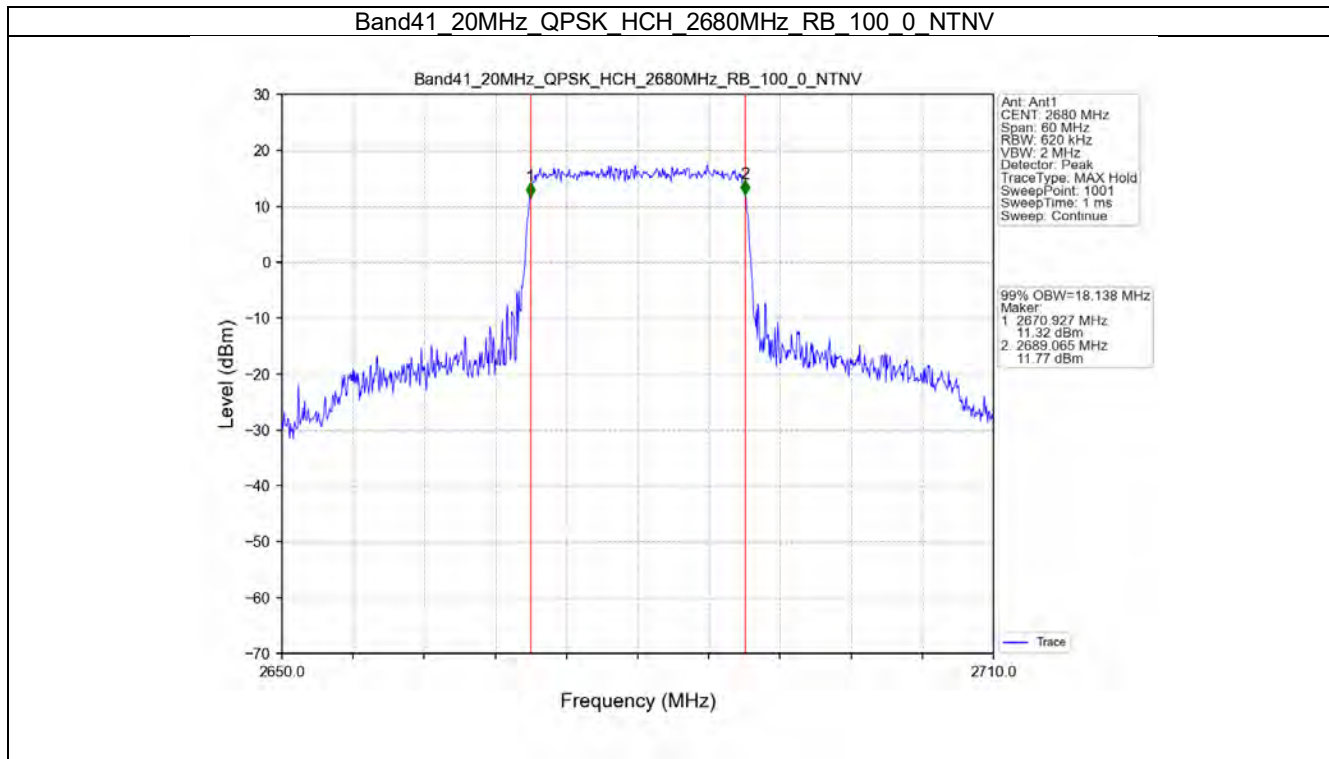
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 Rev.: 01
 Page: 52 of 298



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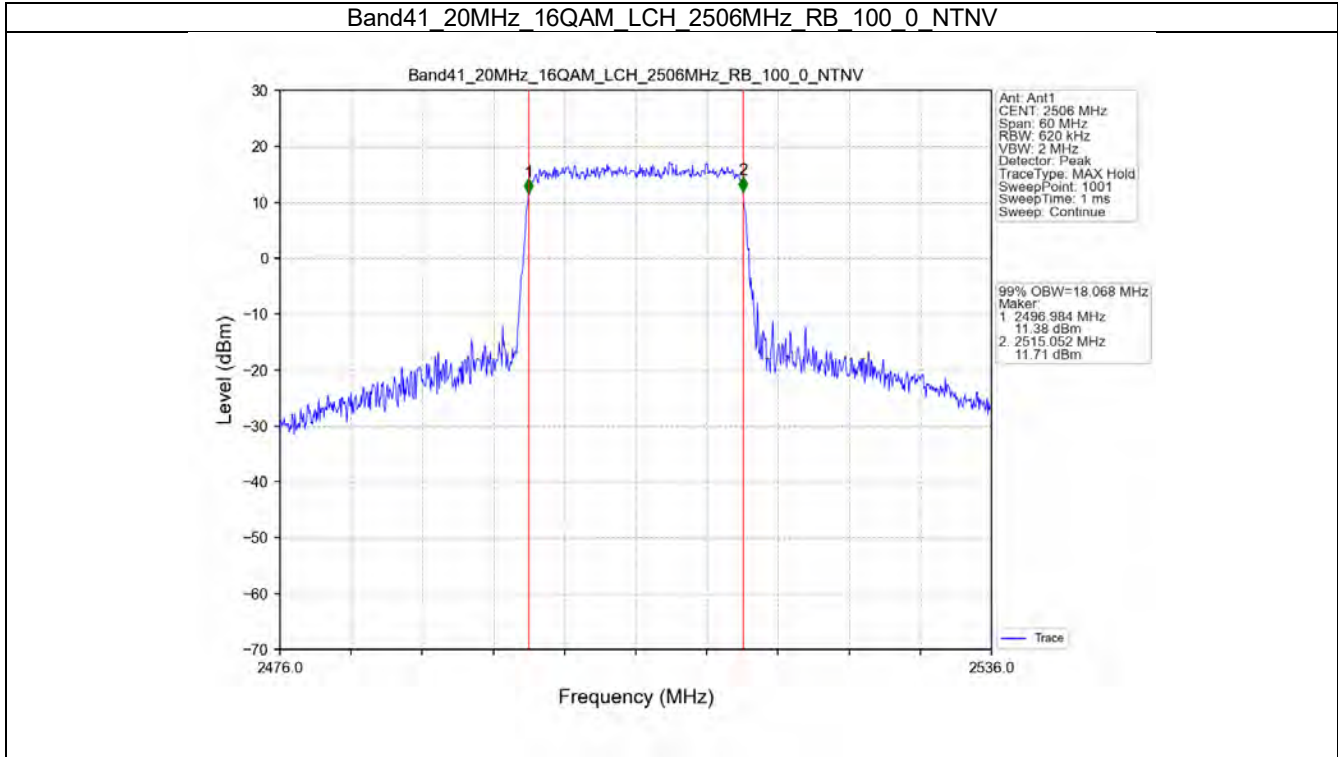
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 Rev.: 01
 Page: 53 of 298



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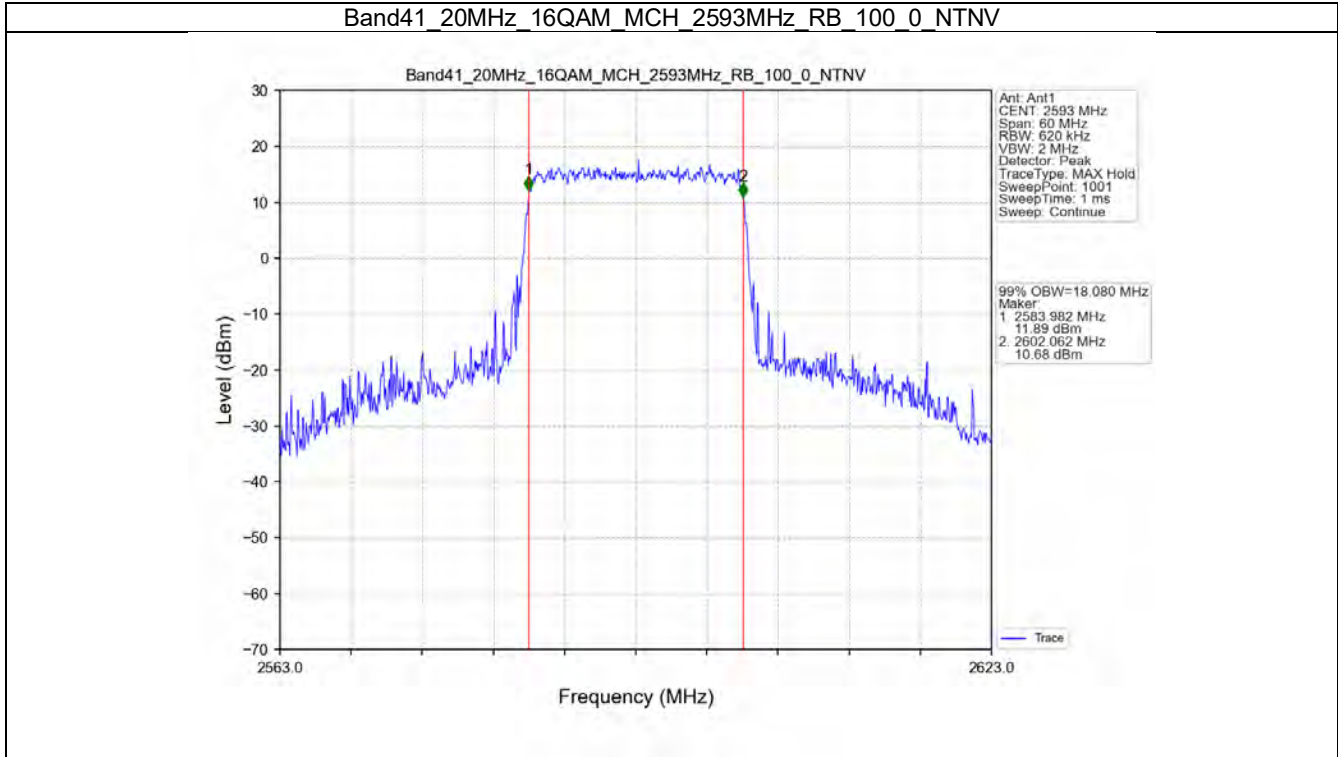
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 Rev.: 01
 Page: 54 of 298



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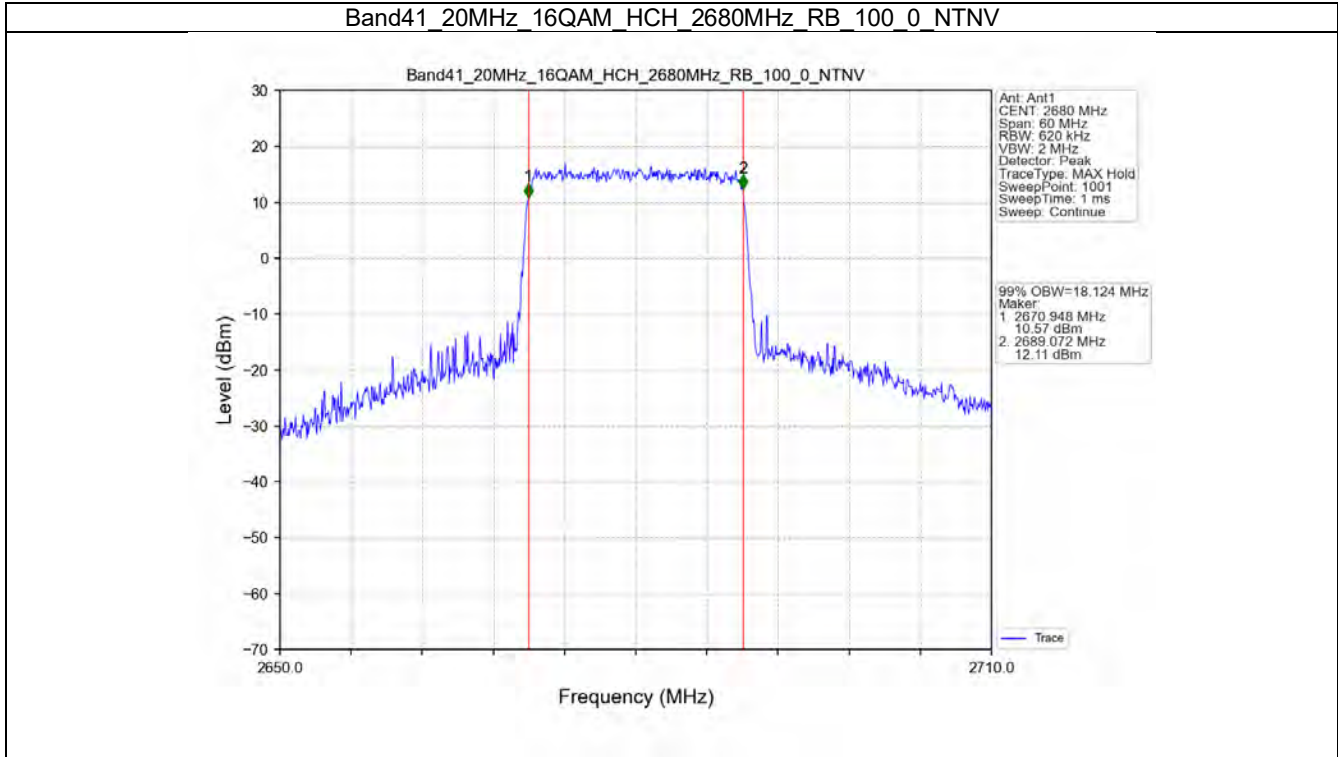
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 Page: 55 of 298



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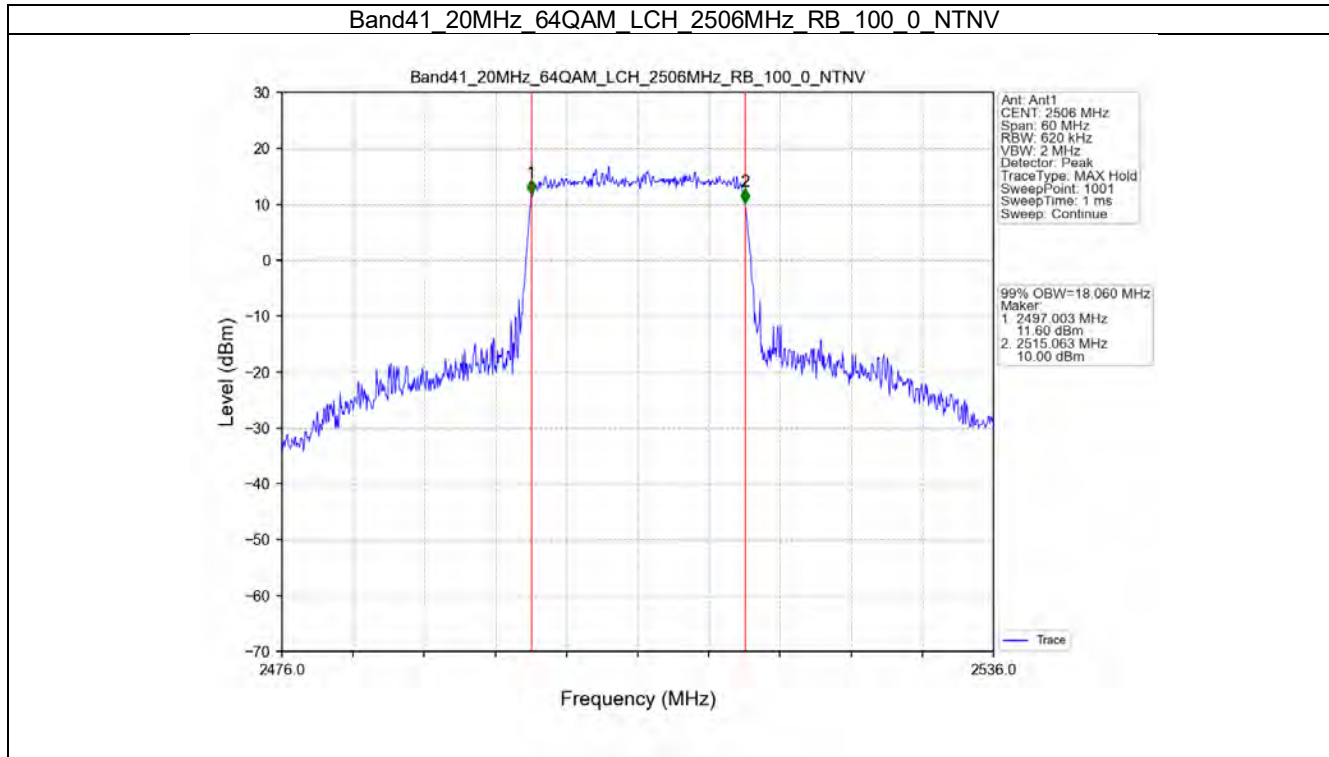
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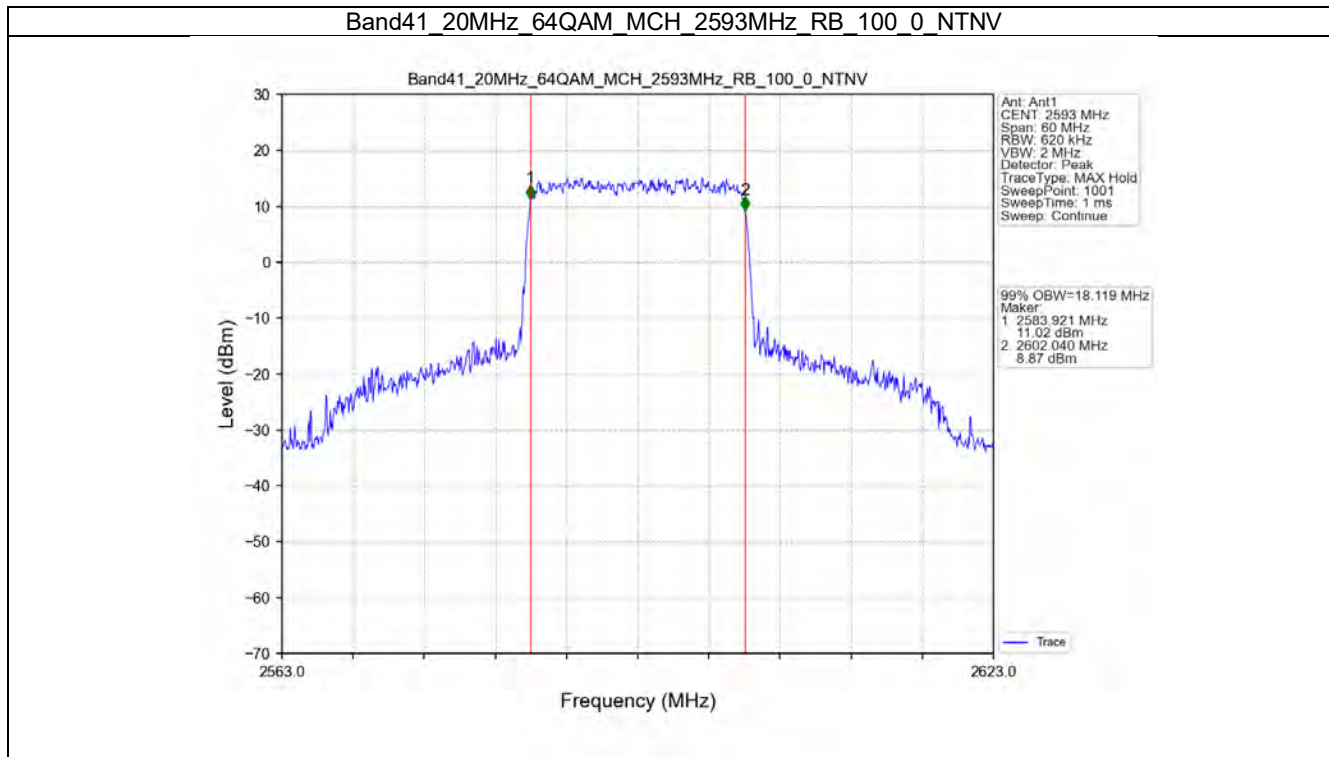
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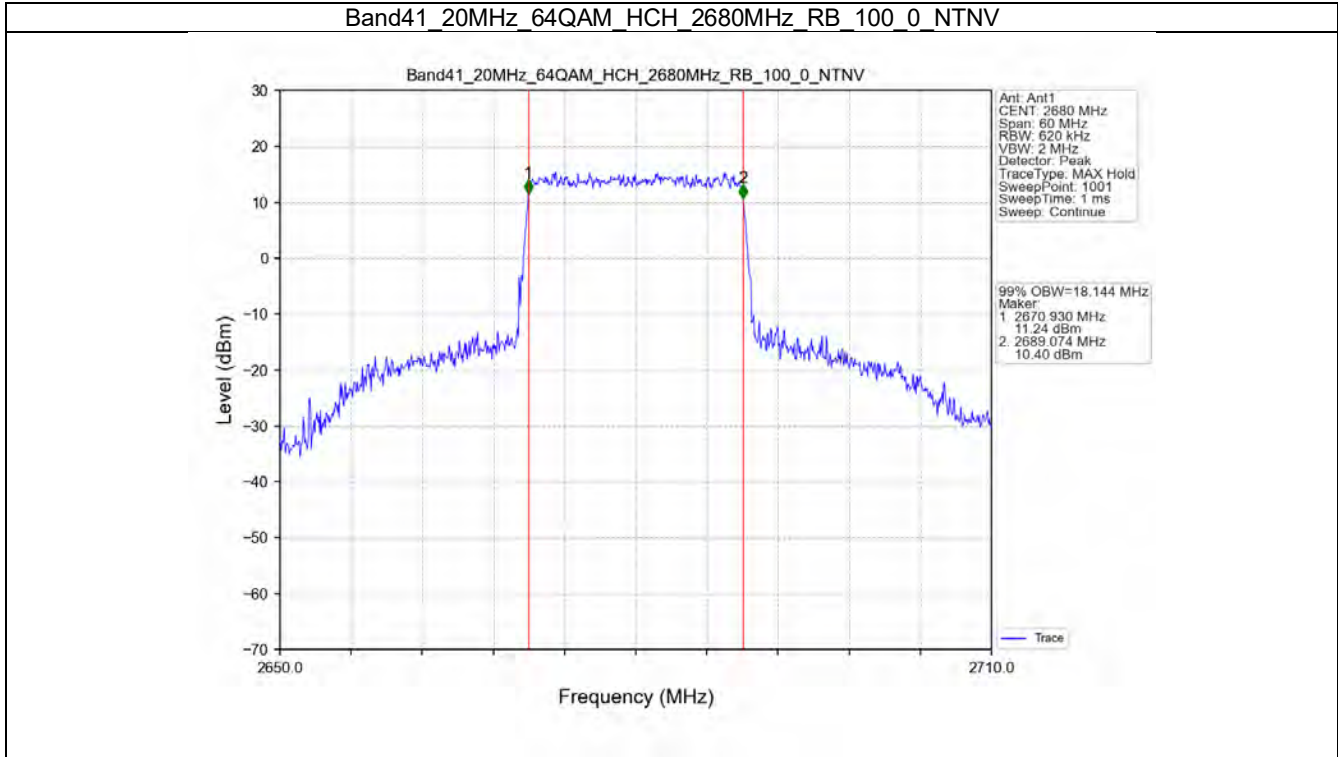
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Report No.: SZCR240200059401

Rev.: 01

Page: 59 of 298

3.2 Band41_XDB

3.2.1 Test Result

Band: 41 / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.152	/	Pass
		2593	25	0	5.016	/	Pass
		2687.5	25	0	4.998	/	Pass
	16QAM	2498.5	25	0	5.007	/	Pass
		2593	25	0	4.976	/	Pass
		2687.5	25	0	5.206	/	Pass
	64QAM	2498.5	25	0	5.307	/	Pass
		2593	25	0	5.101	/	Pass
		2687.5	25	0	5.010	/	Pass
10	QPSK	2501	50	0	9.924	/	Pass
		2593	50	0	11.211	/	Pass
		2685	50	0	11.307	/	Pass
	16QAM	2501	50	0	9.986	/	Pass
		2593	50	0	9.825	/	Pass
		2685	50	0	10.732	/	Pass
	64QAM	2501	50	0	10.334	/	Pass
		2593	50	0	10.382	/	Pass
		2685	50	0	10.476	/	Pass
15	QPSK	2503.5	75	0	15.515	/	Pass
		2593	75	0	15.357	/	Pass
		2682.5	75	0	15.522	/	Pass
	16QAM	2503.5	75	0	15.692	/	Pass
		2593	75	0	14.781	/	Pass
		2682.5	75	0	18.189	/	Pass
	64QAM	2503.5	75	0	16.004	/	Pass
		2593	75	0	14.860	/	Pass
		2682.5	75	0	14.889	/	Pass
20	QPSK	2506	100	0	20.408	/	Pass
		2593	100	0	20.272	/	Pass
		2680	100	0	21.833	/	Pass
	16QAM	2506	100	0	20.098	/	Pass
		2593	100	0	20.691	/	Pass
		2680	100	0	19.563	/	Pass
	64QAM	2506	100	0	20.394	/	Pass
		2593	100	0	19.980	/	Pass
		2680	100	0	19.863	/	Pass



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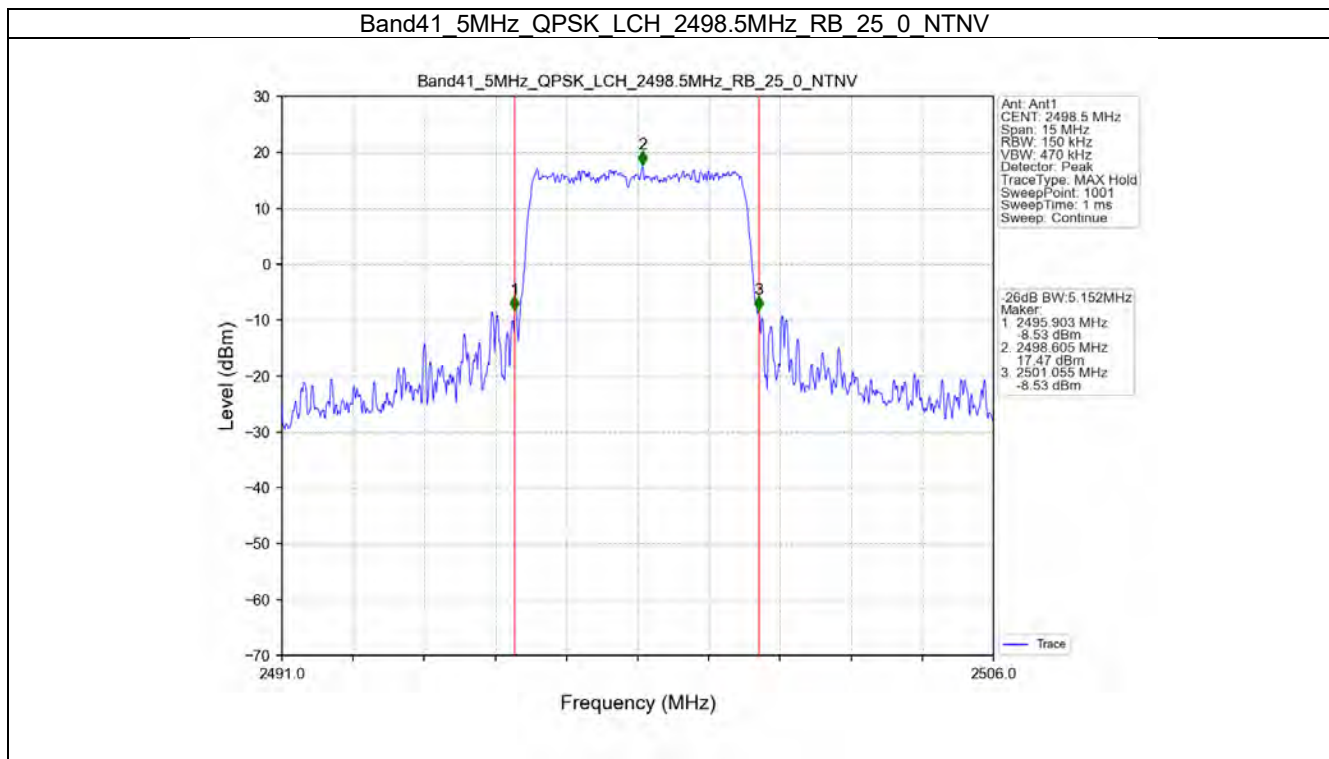
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3.2.2 Test Graph



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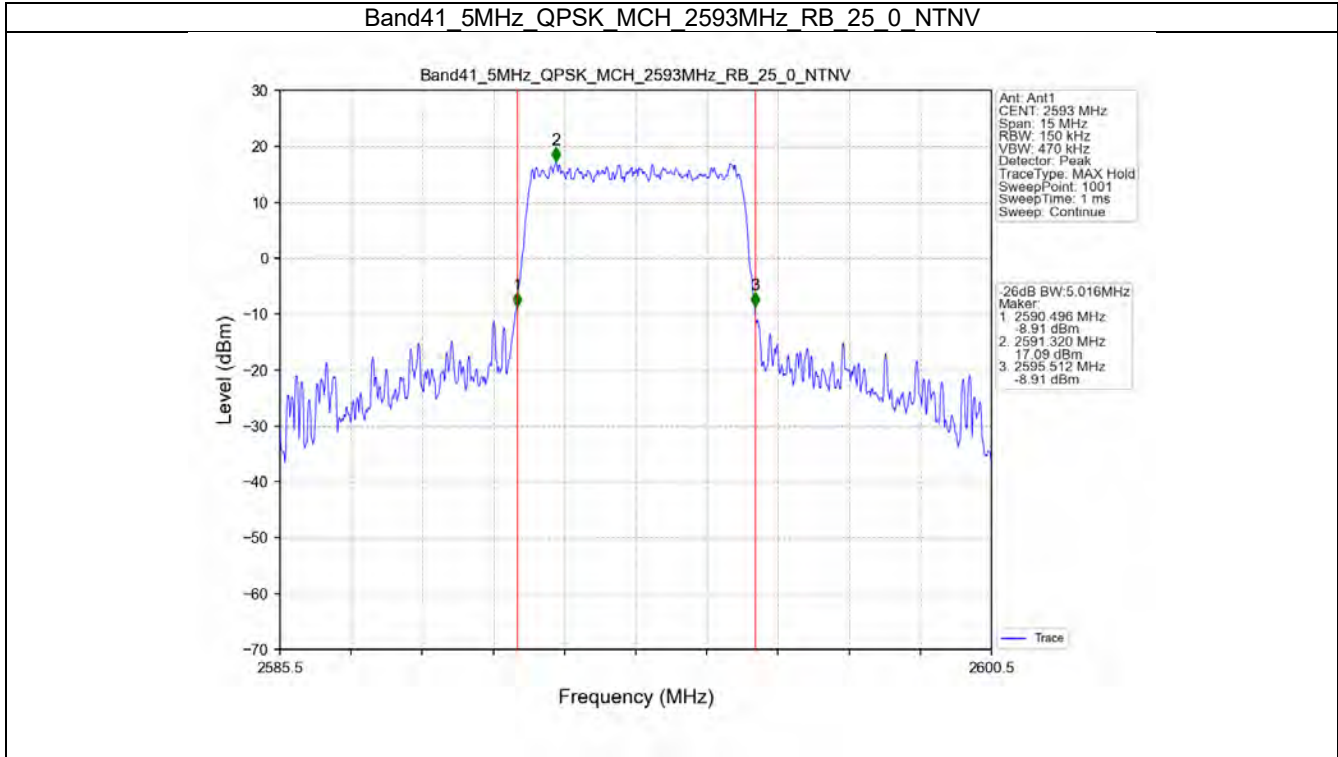
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 Rev.: 01
 Page: 61 of 298



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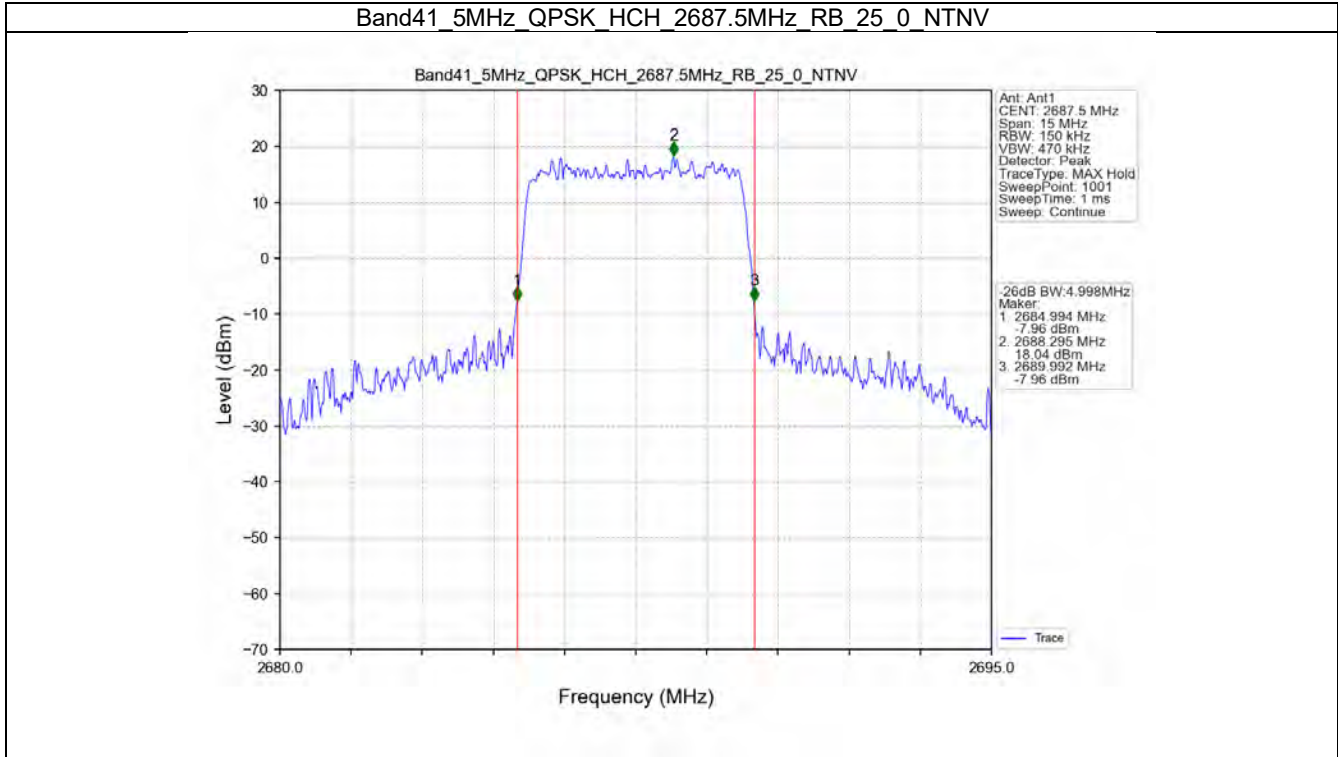
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 62 of 298



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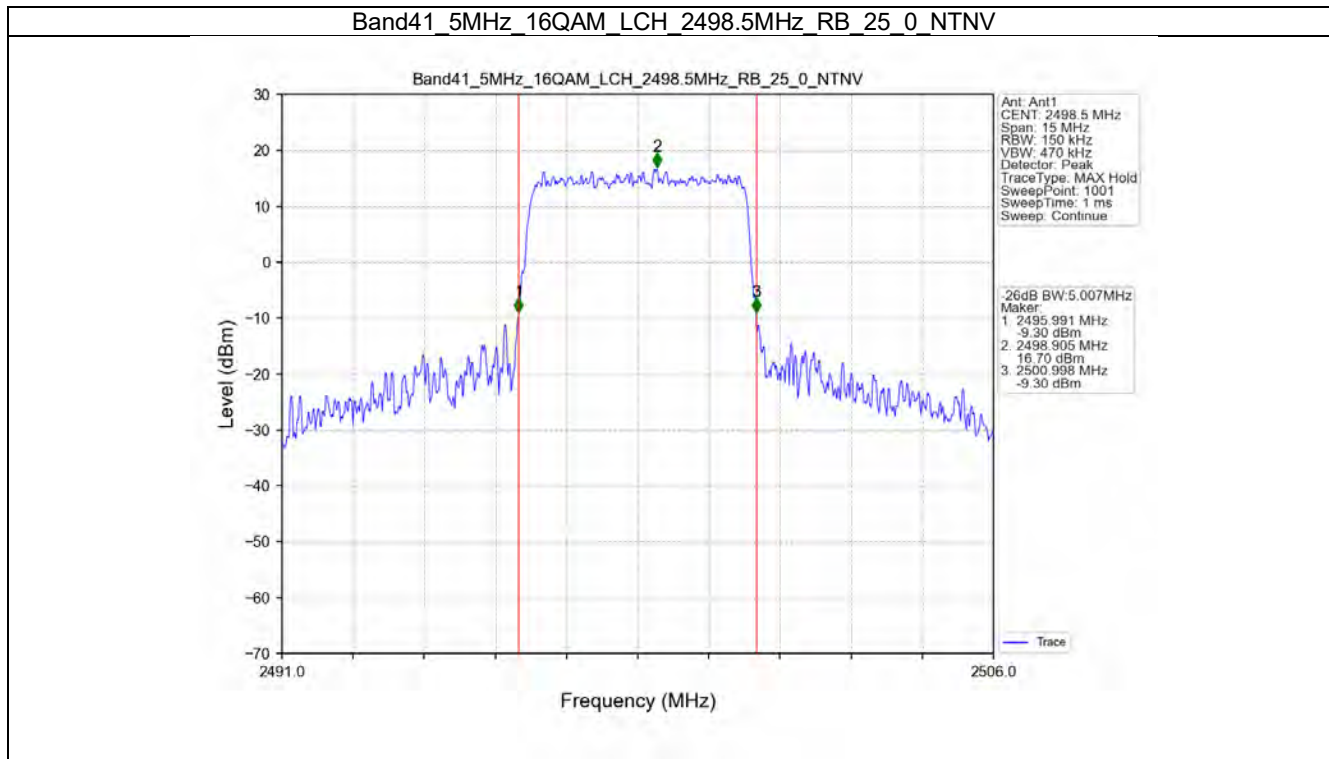
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 63 of 298



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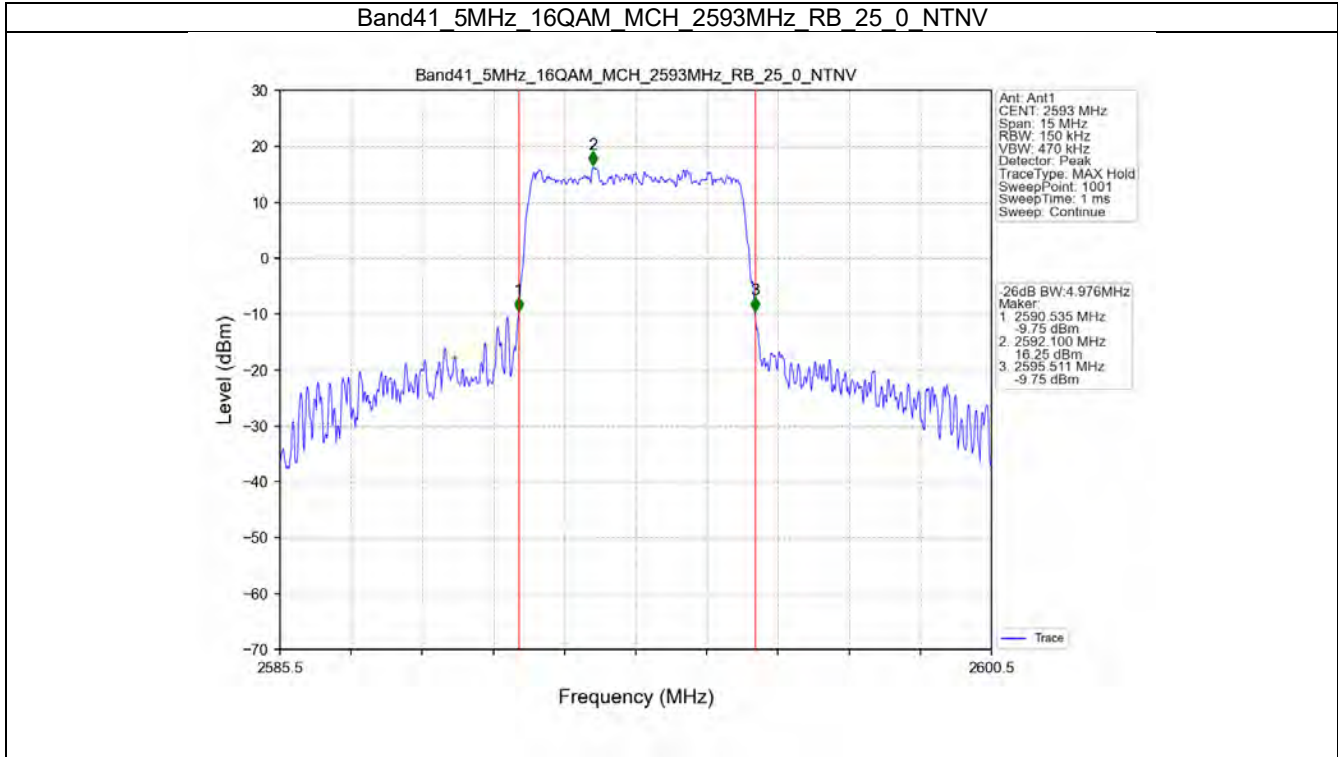
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 64 of 298



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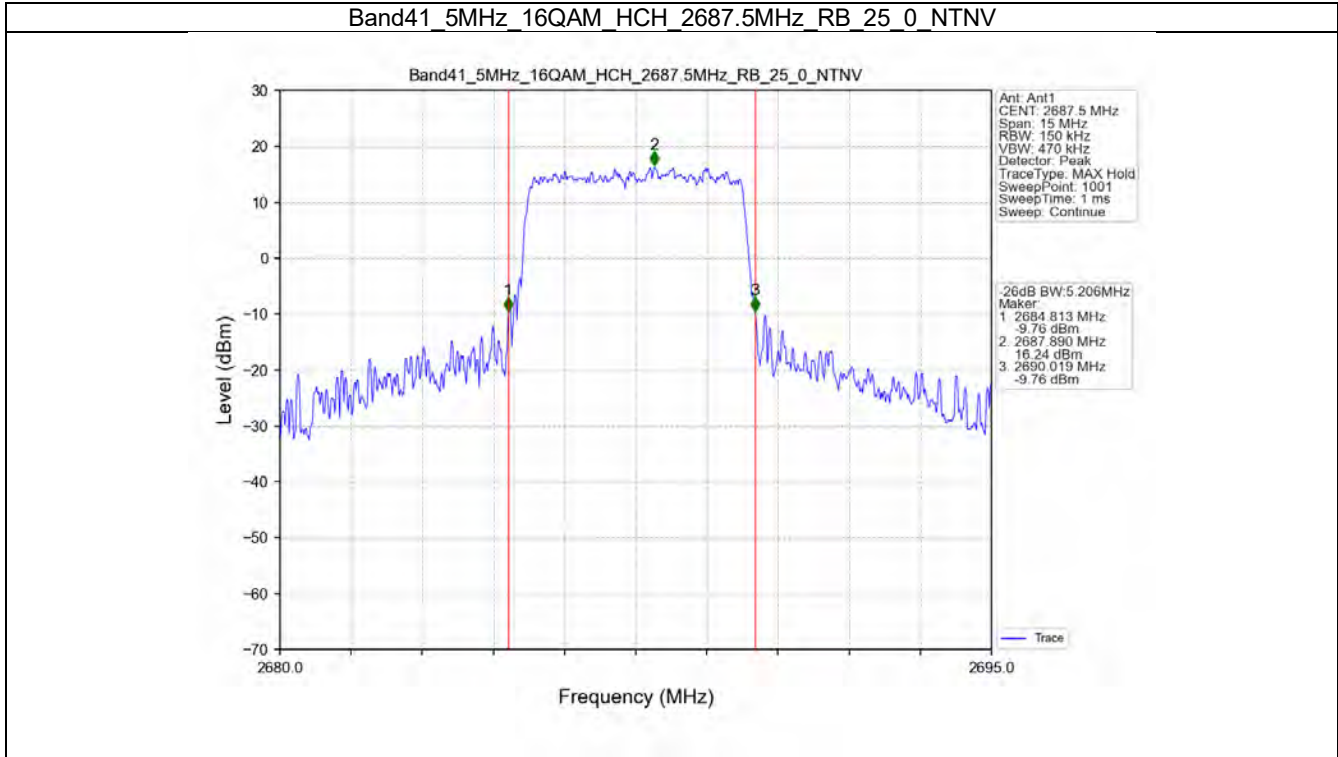
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 65 of 298



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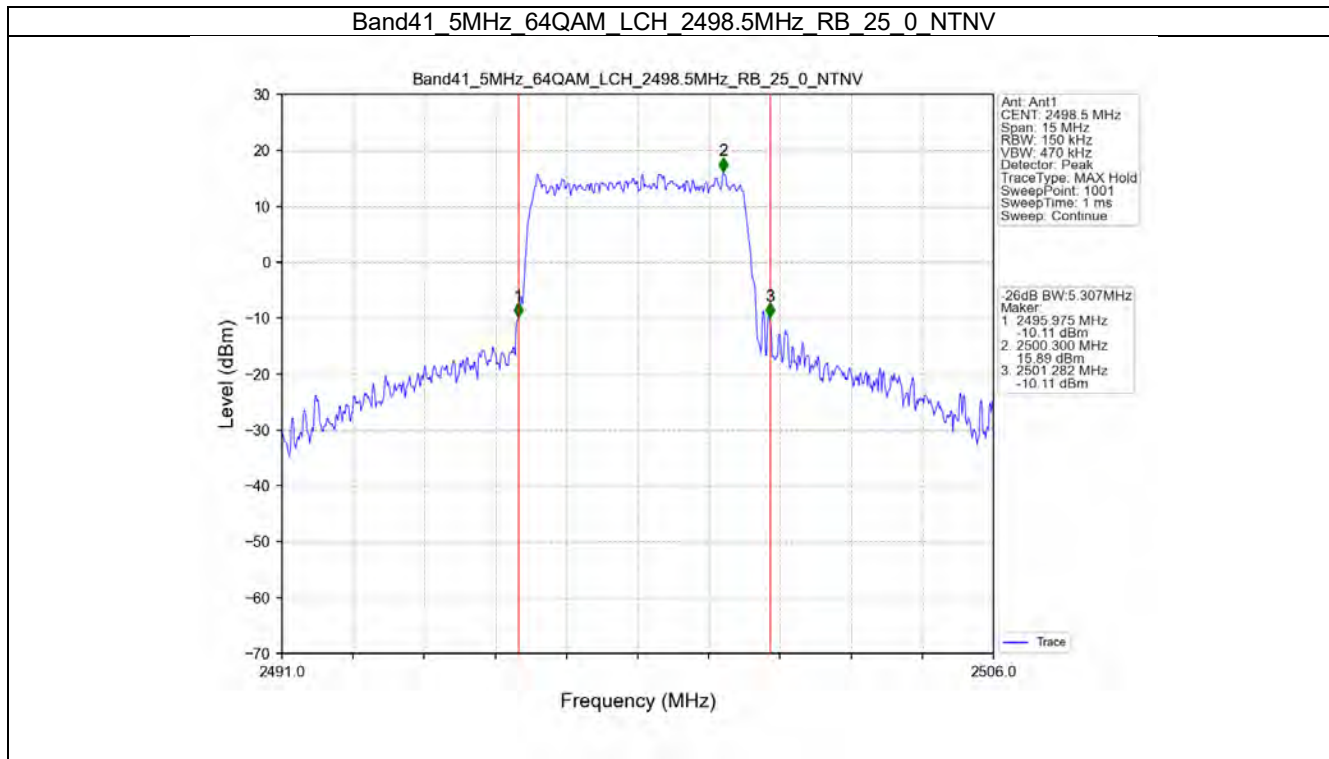


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Report No.: SZCR240200059401

Rev.: 01

Page: 66 of 298



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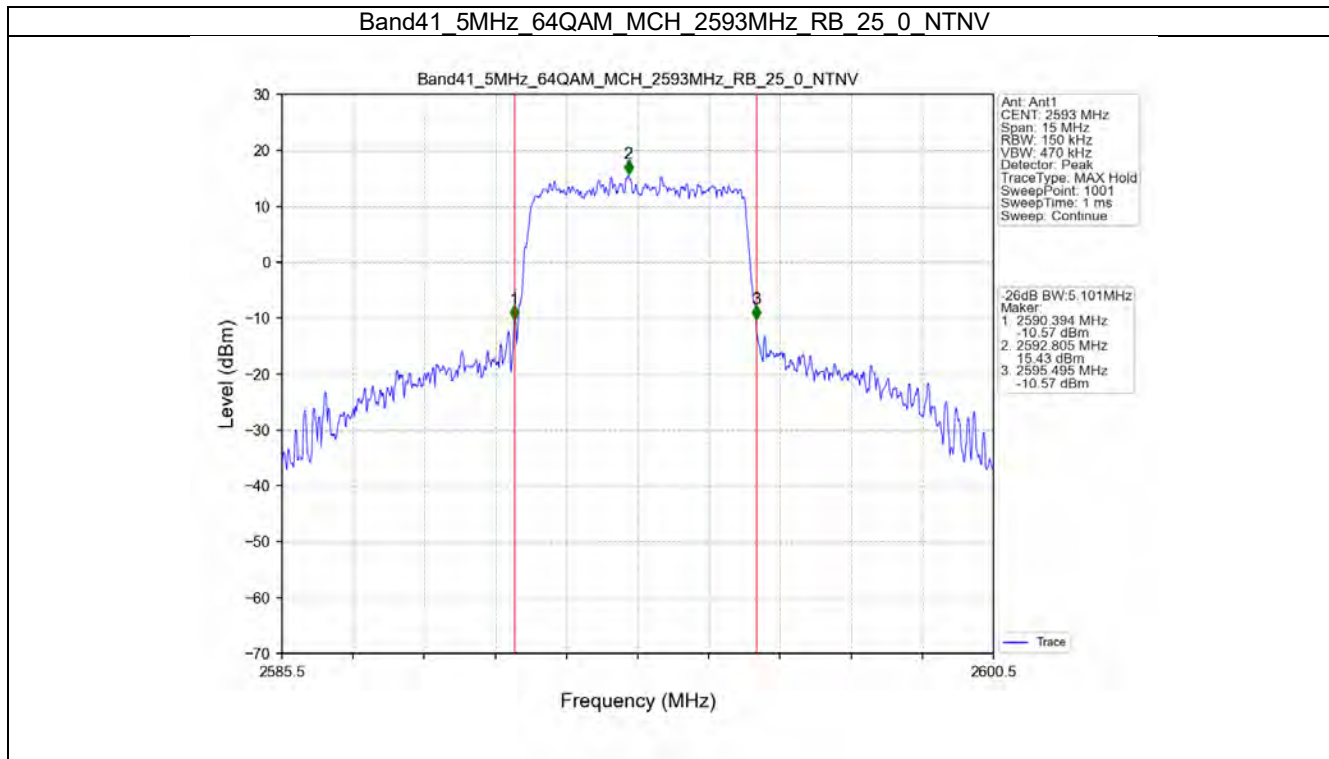


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Report No.: SZCR240200059401

Rev.: 01

Page: 67 of 298



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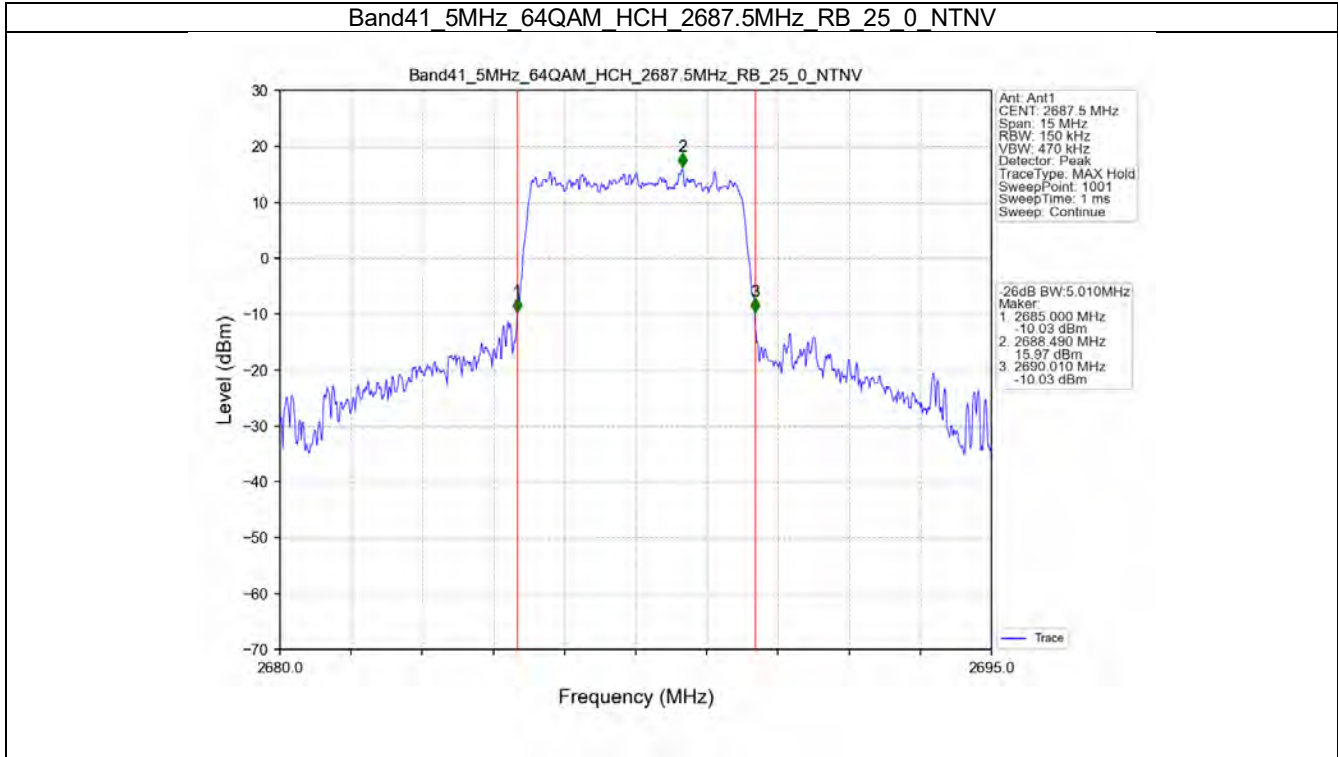
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Report No.: SZCR240200059401
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 Page: 68 of 298



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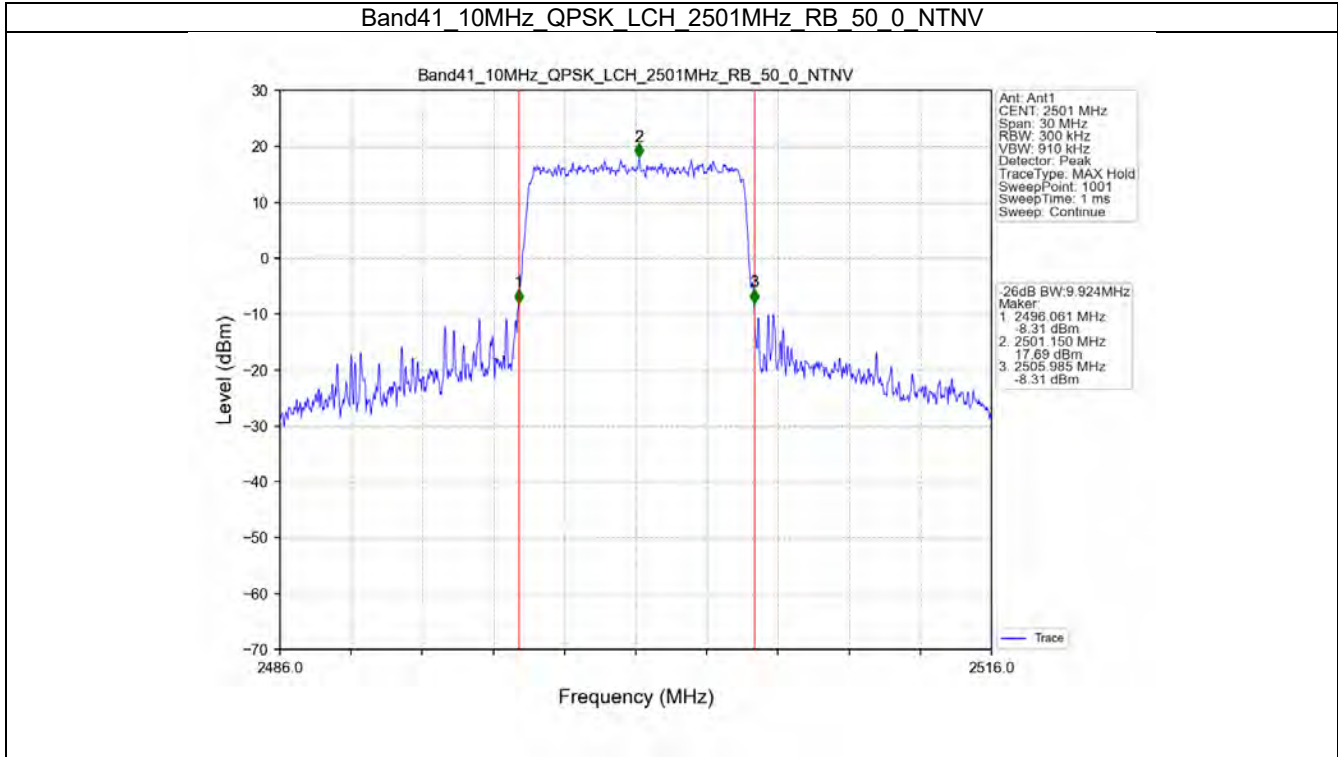
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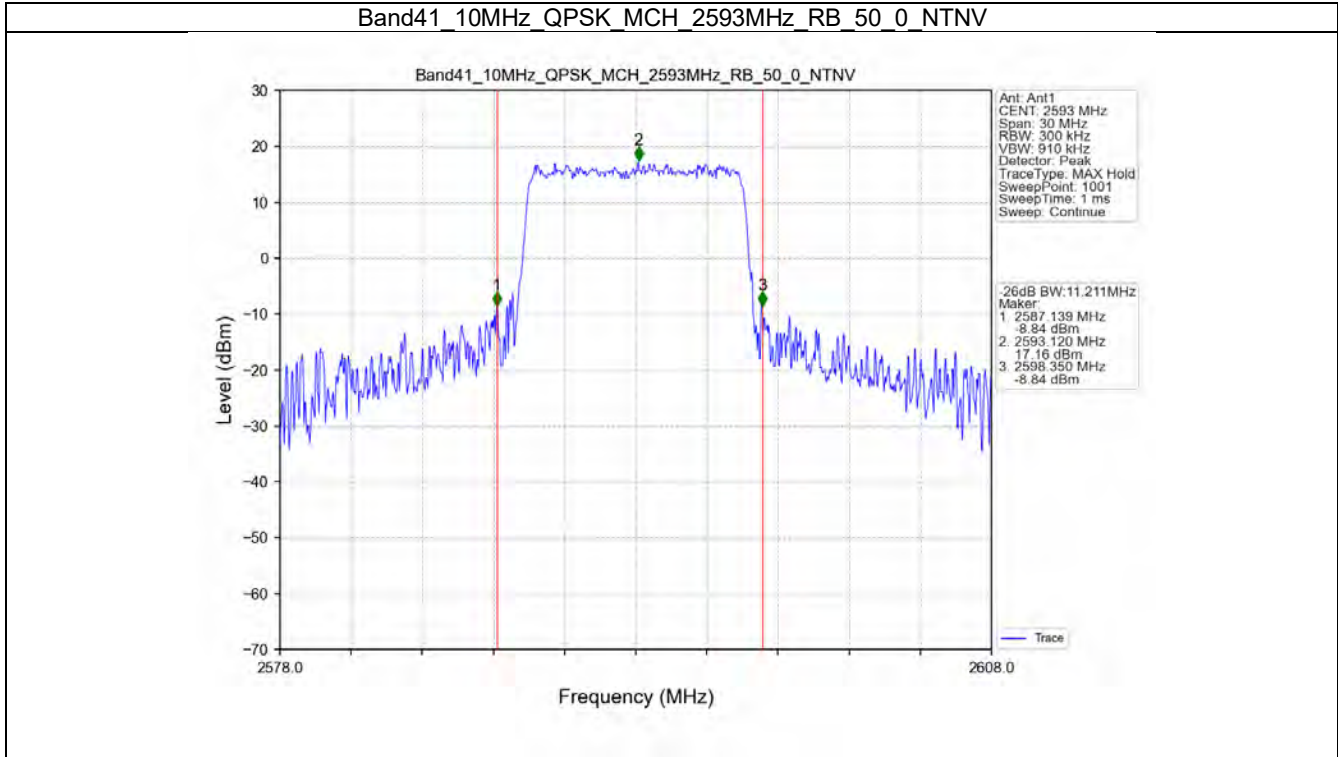
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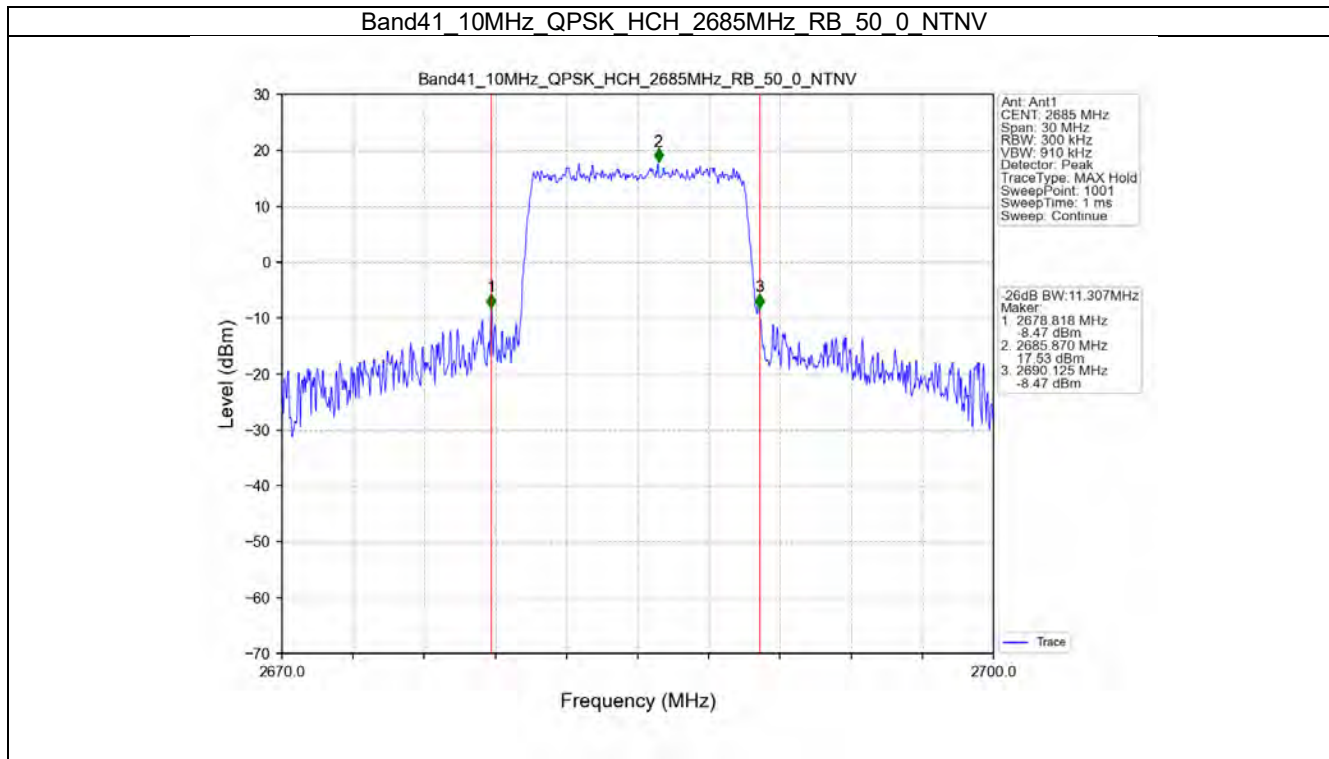


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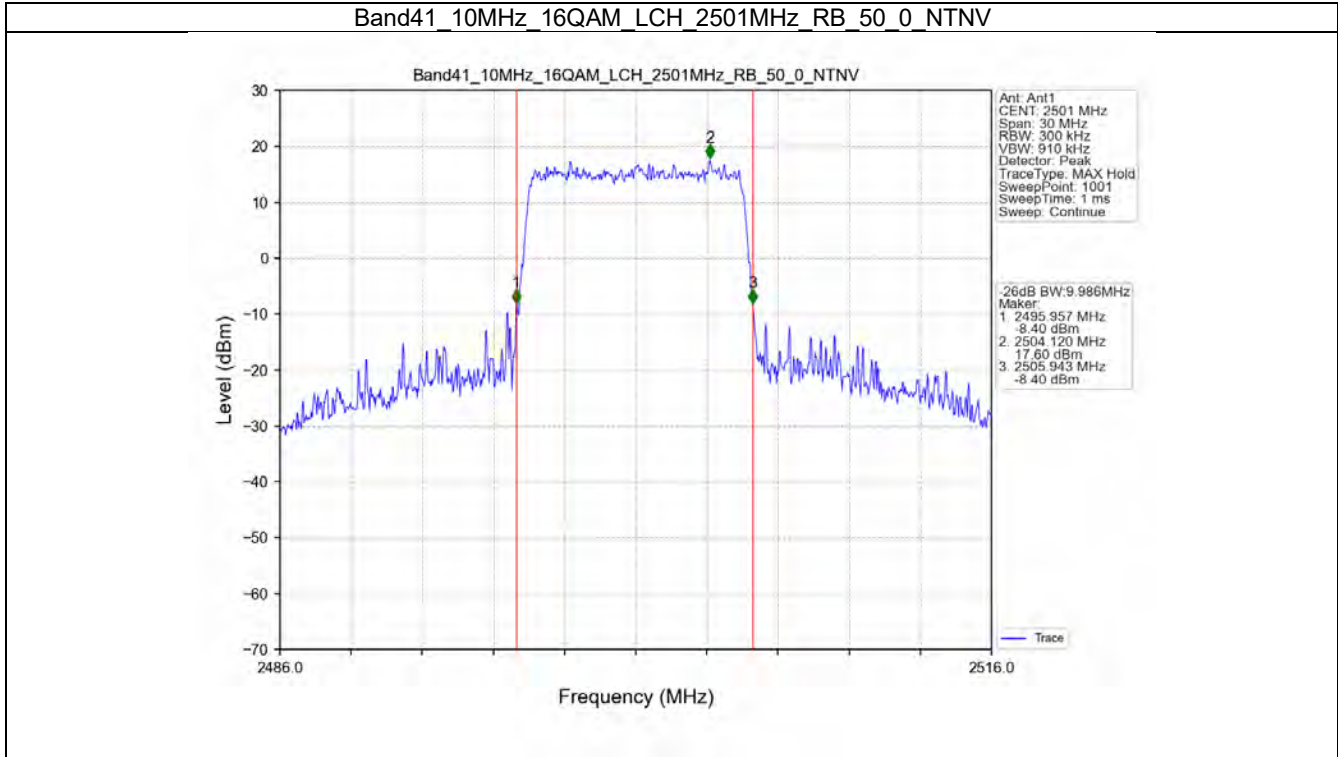
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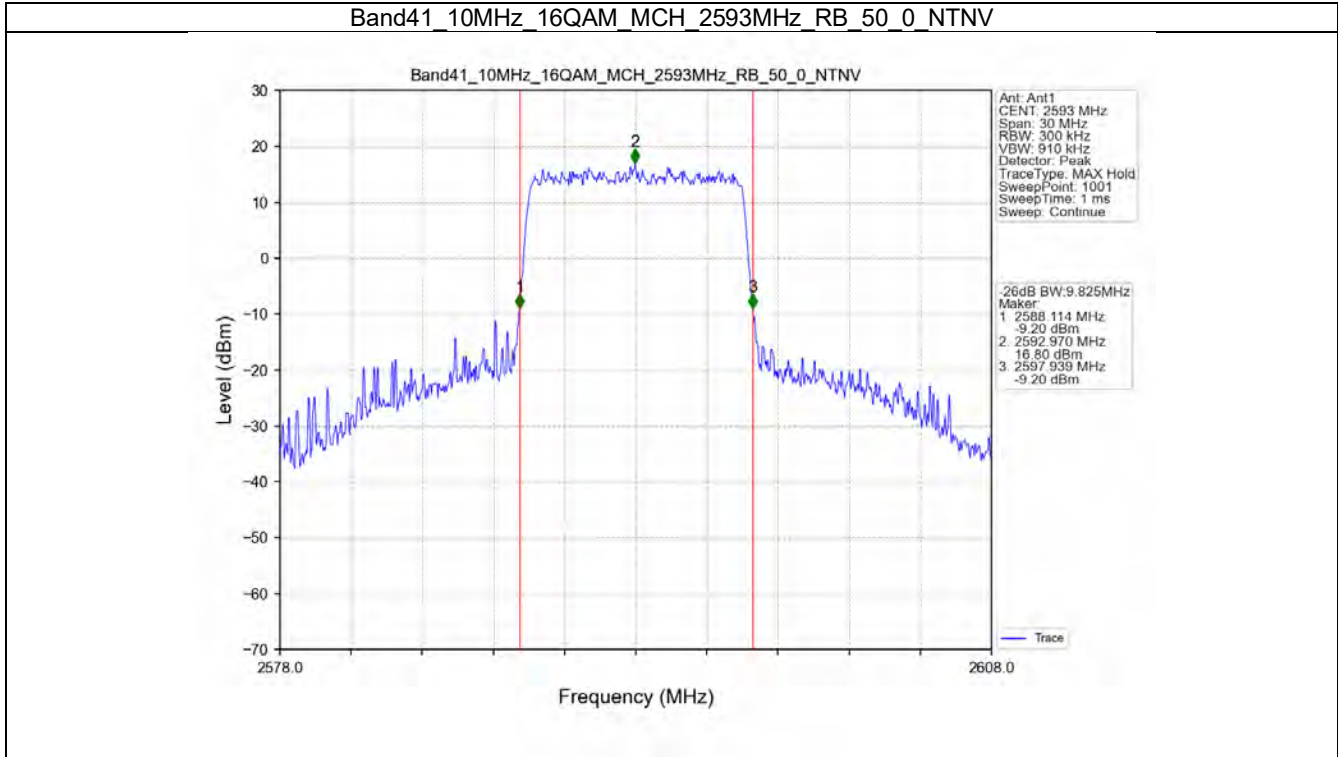
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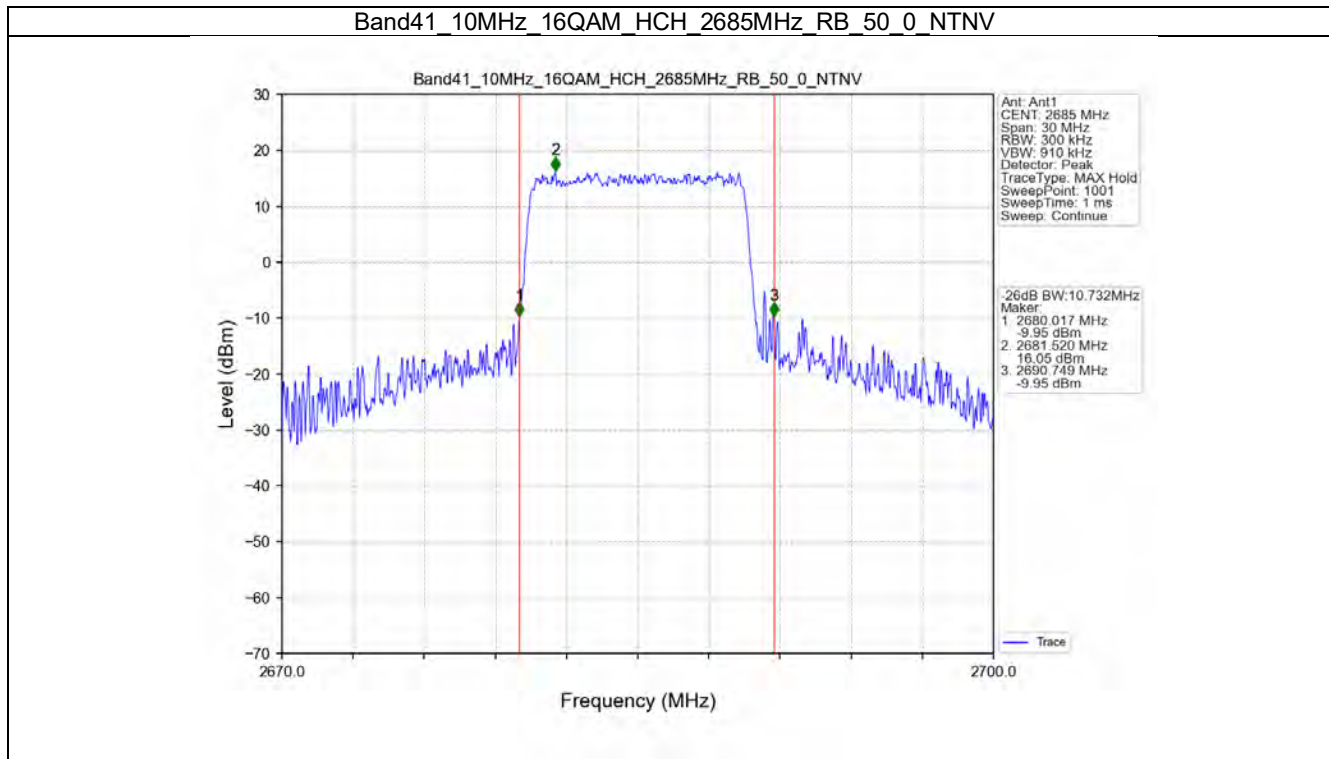


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Report No.: SZCR240200059401

Rev.: 01

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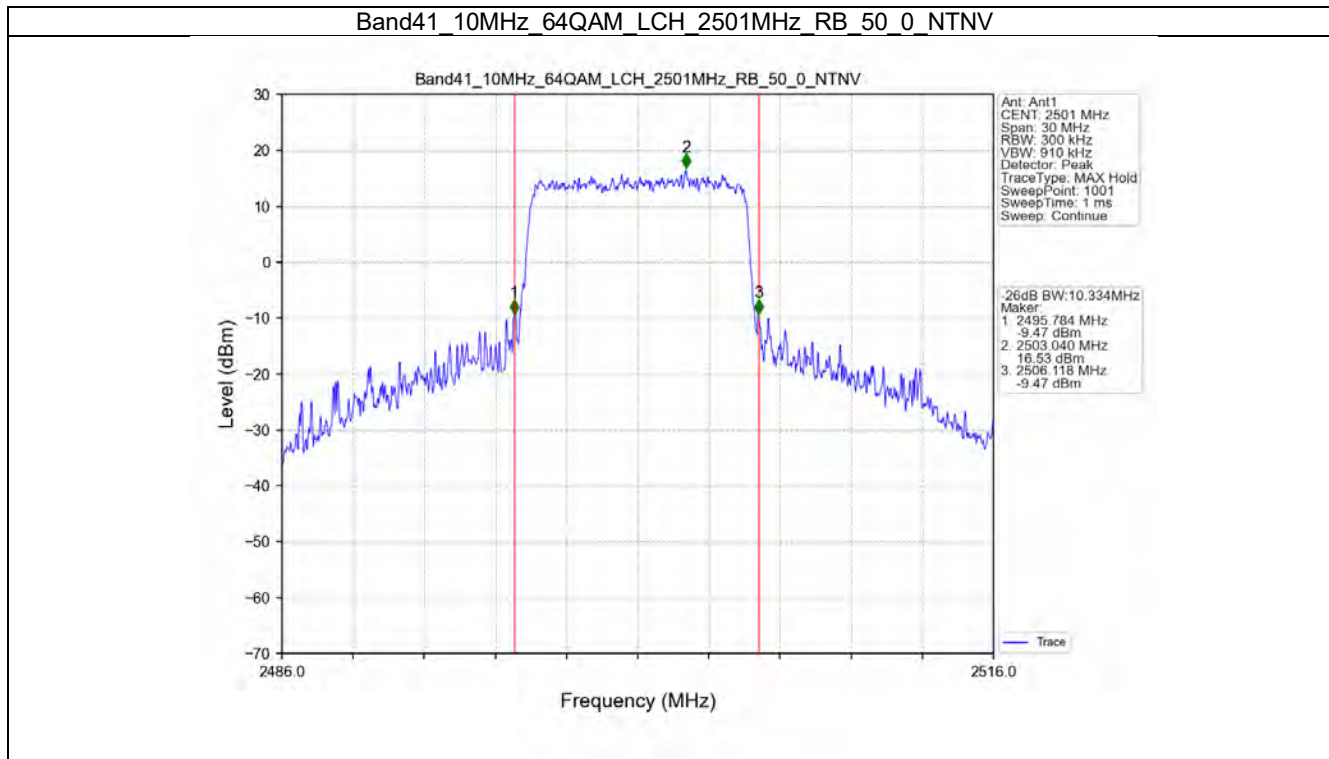


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Report No.: SZCR240200059401

Rev.: 01

Page: 75 of 298



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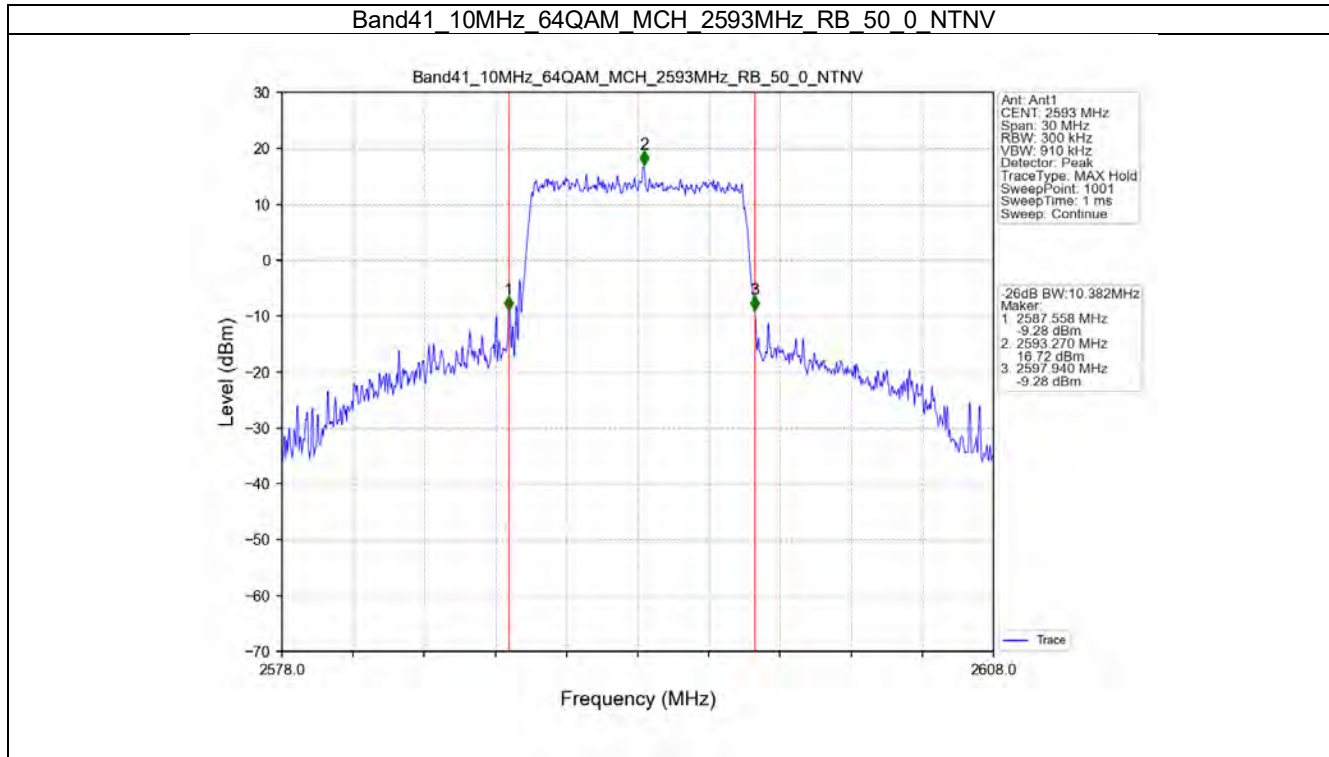


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Report No.: SZCR240200059401

Rev.: 01

Page: 76 of 298



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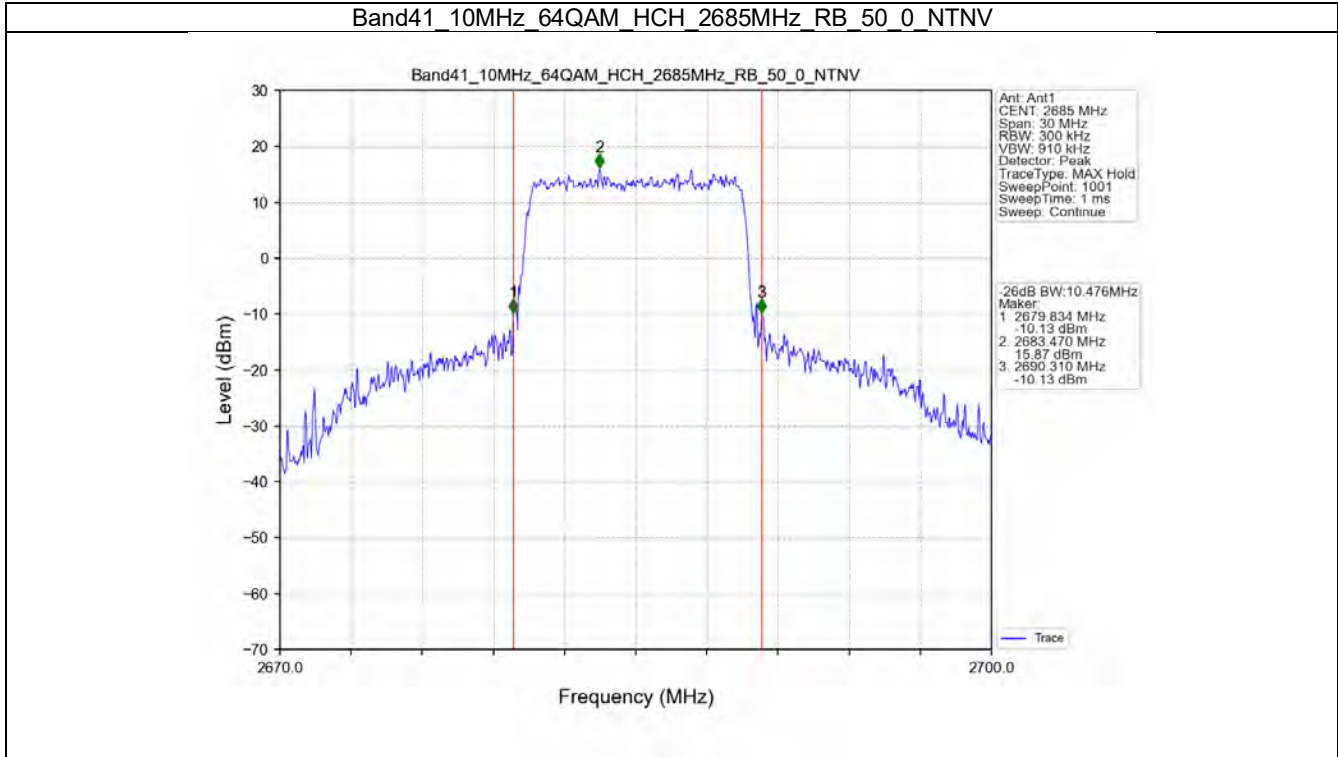
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 77 of 298



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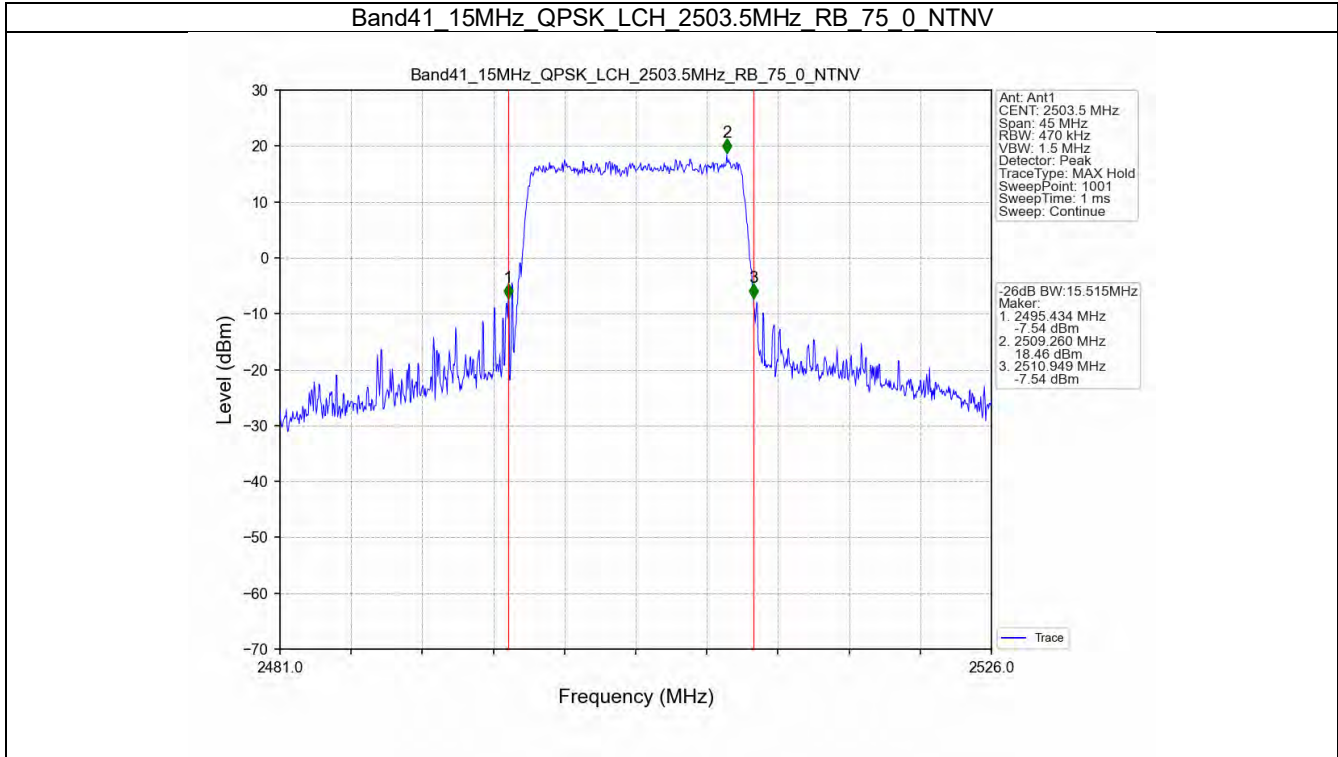
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 78 of 298



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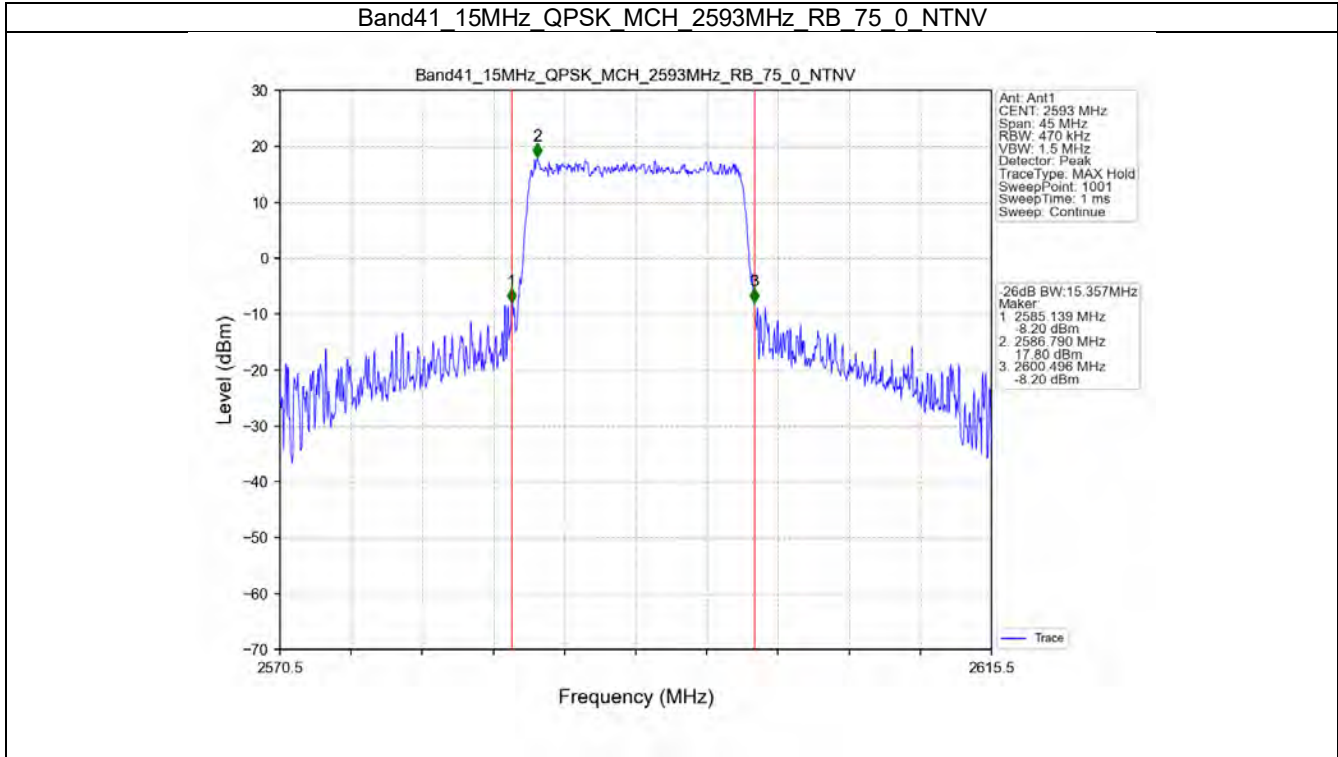
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 79 of 298



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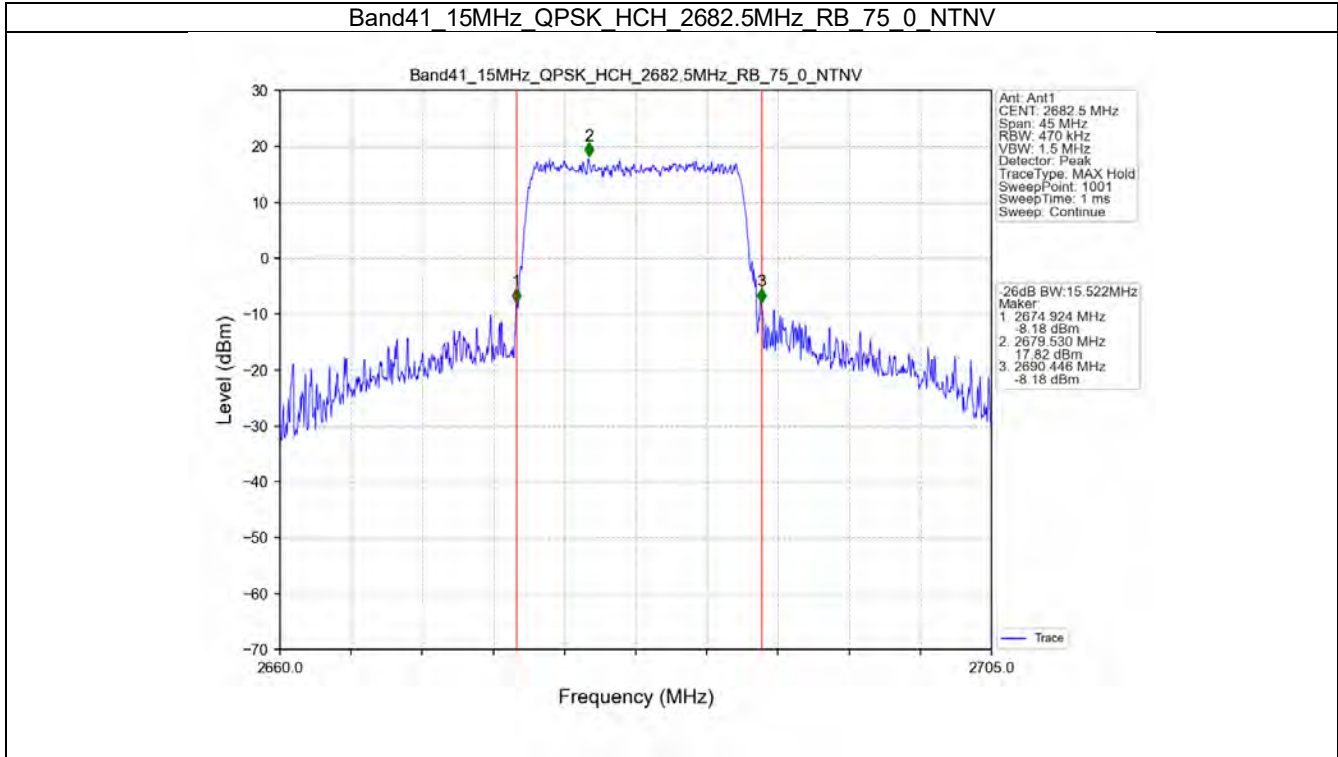
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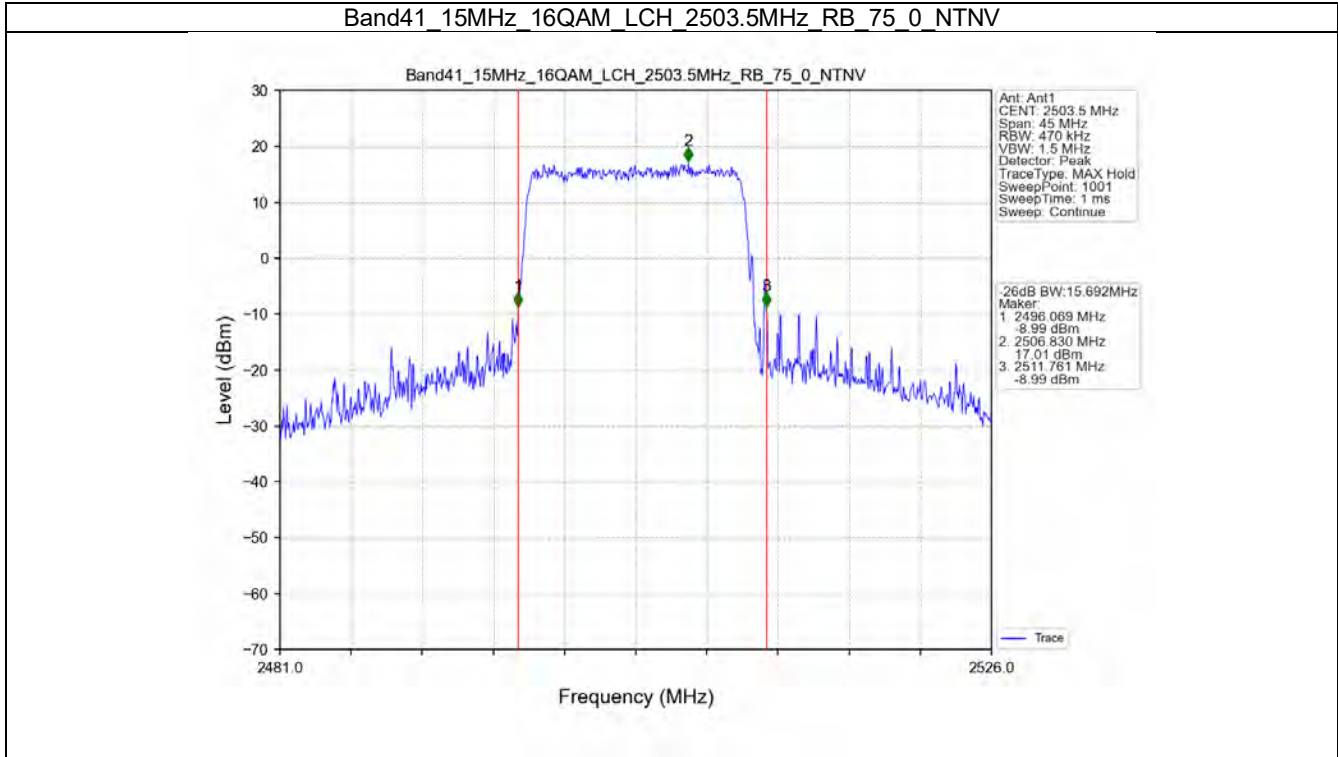
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 81 of 298



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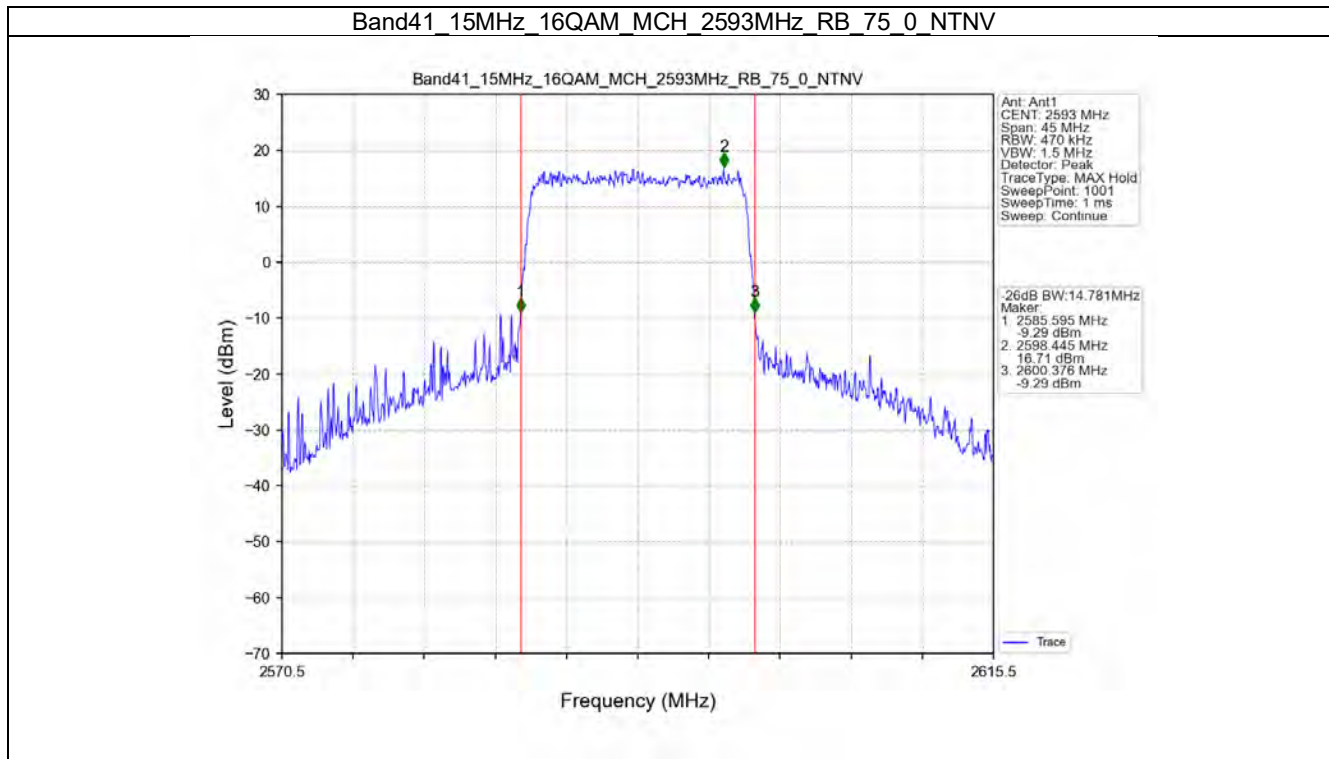
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 82 of 298



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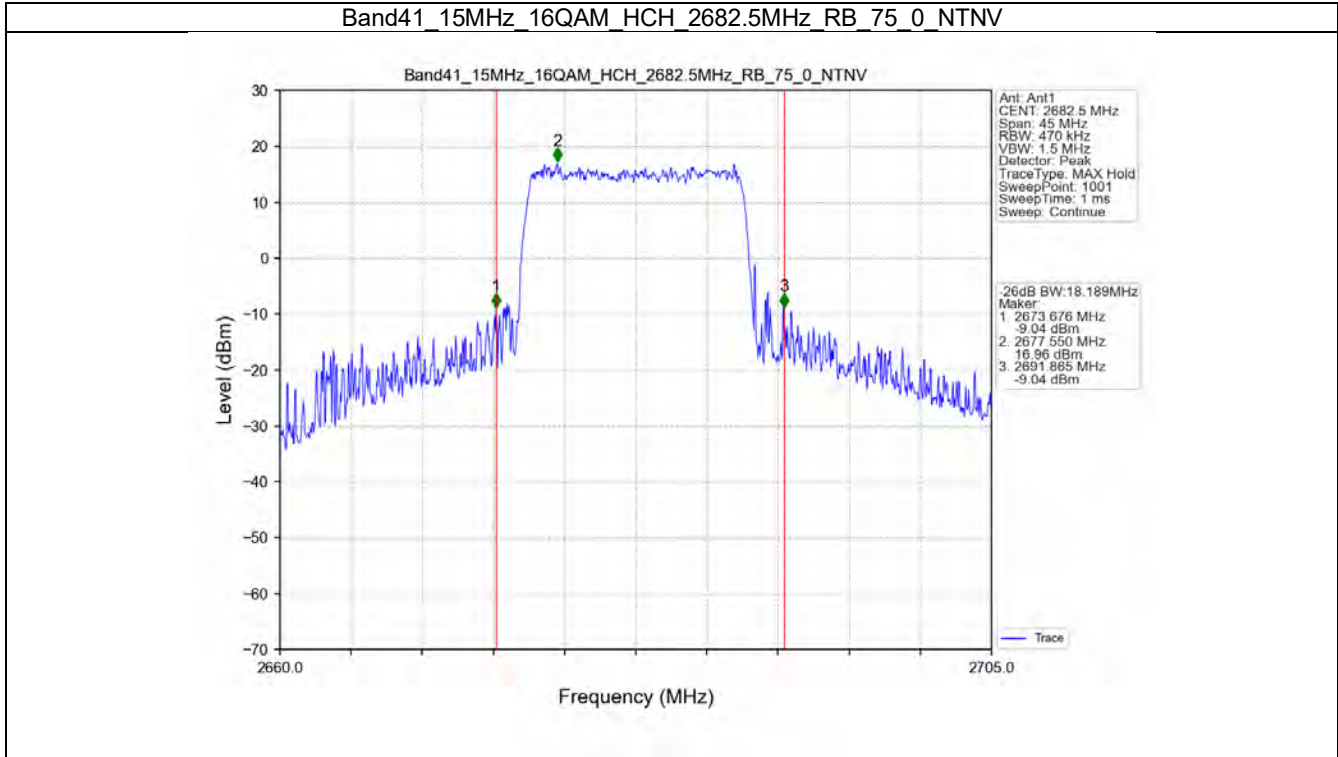
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Report No.: SZCR240200059401
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 Page: 83 of 298



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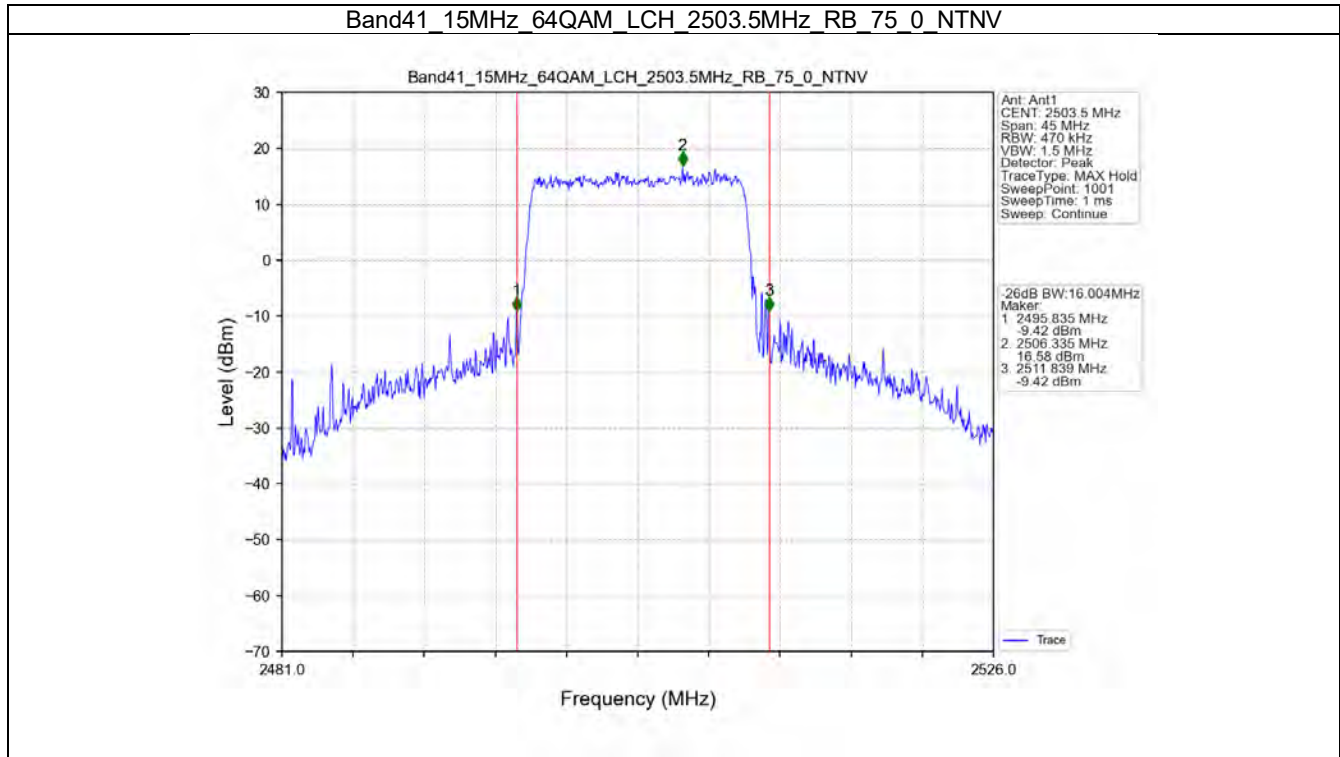
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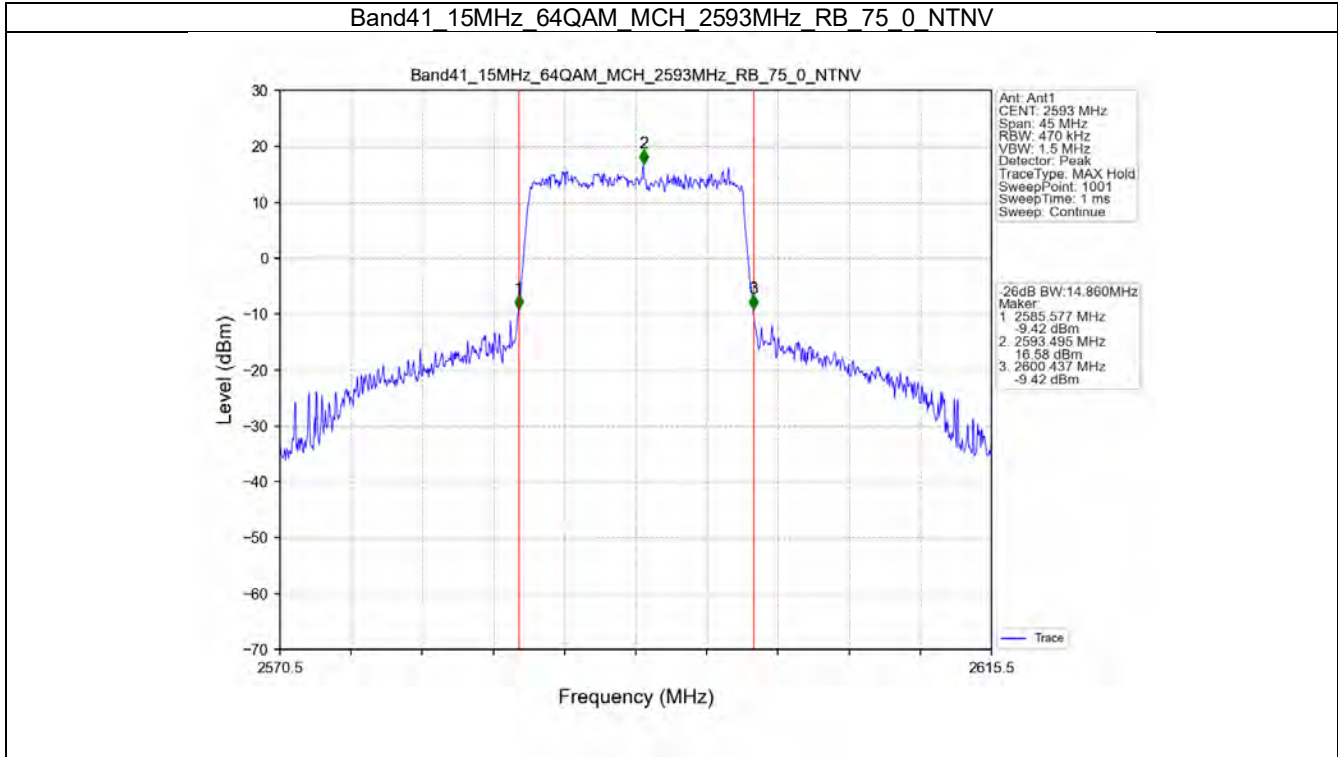
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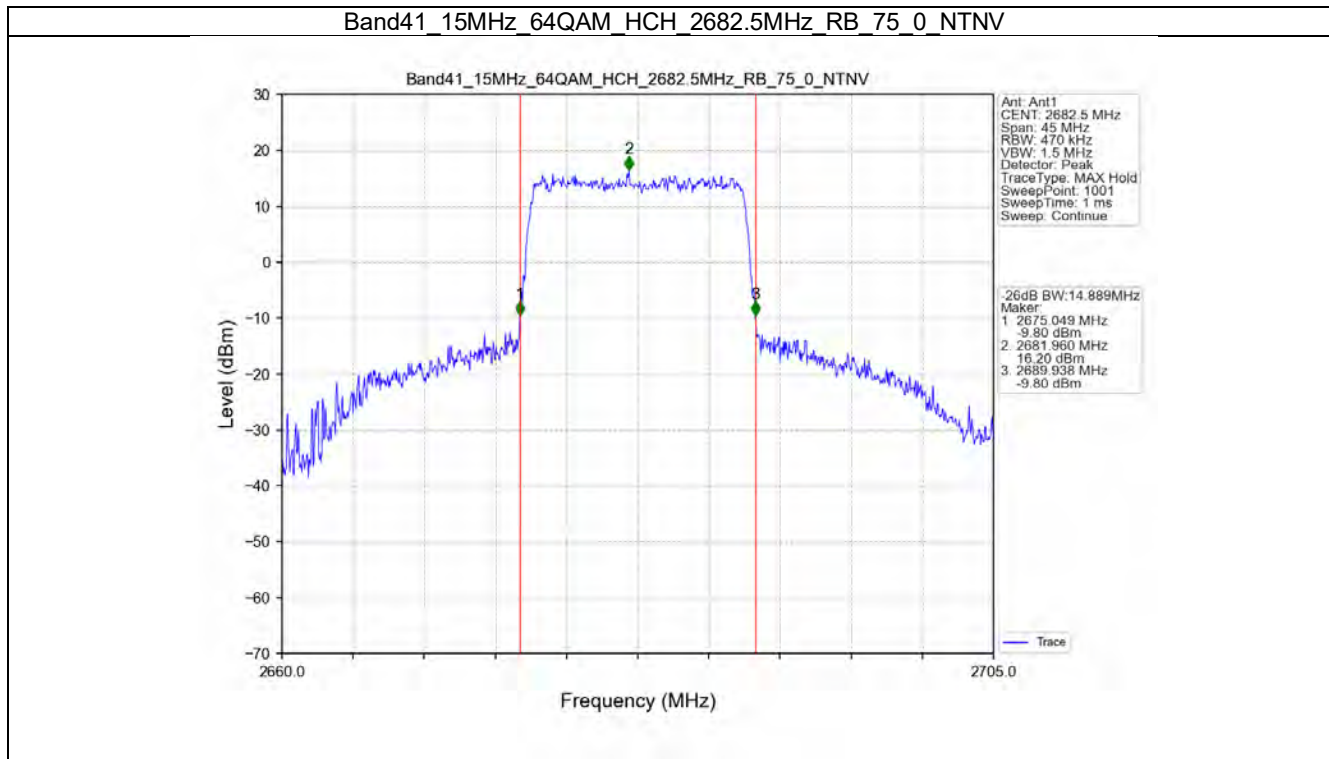
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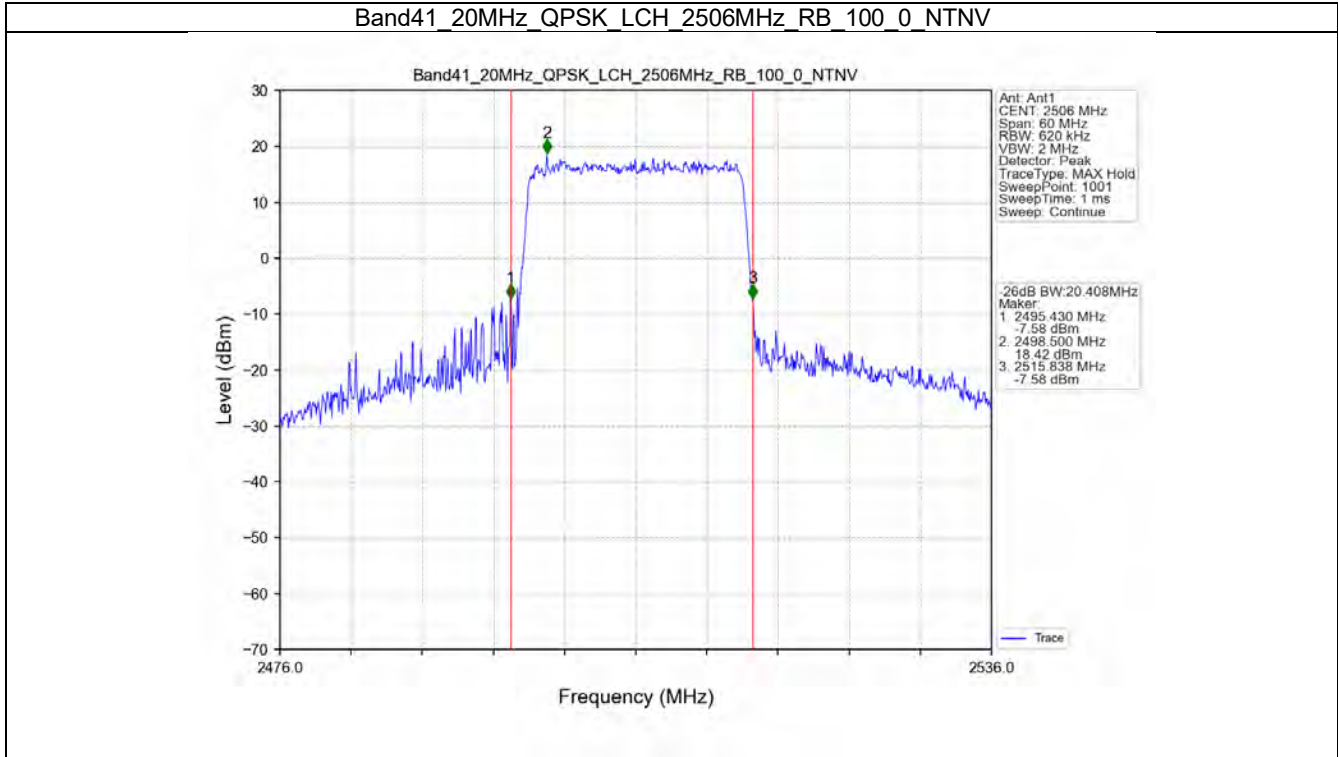
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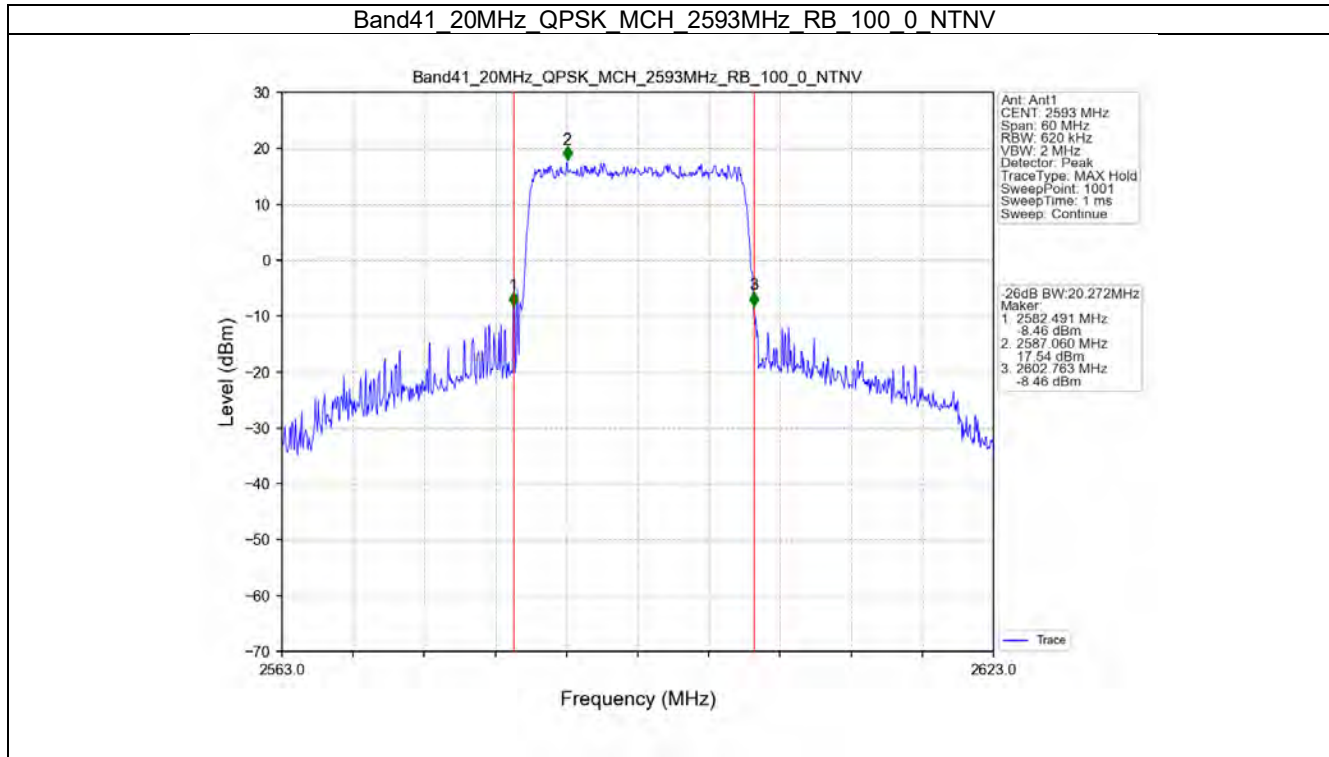
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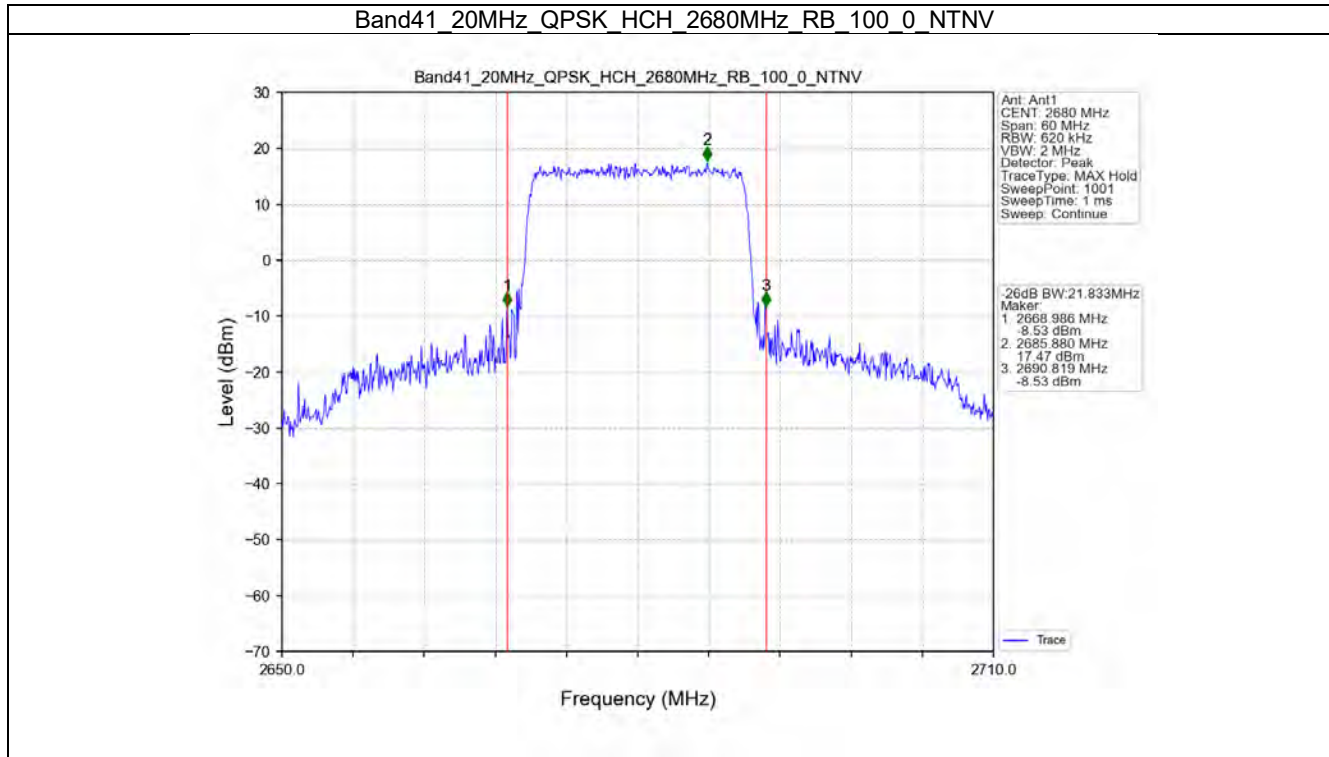
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Rev.: 01
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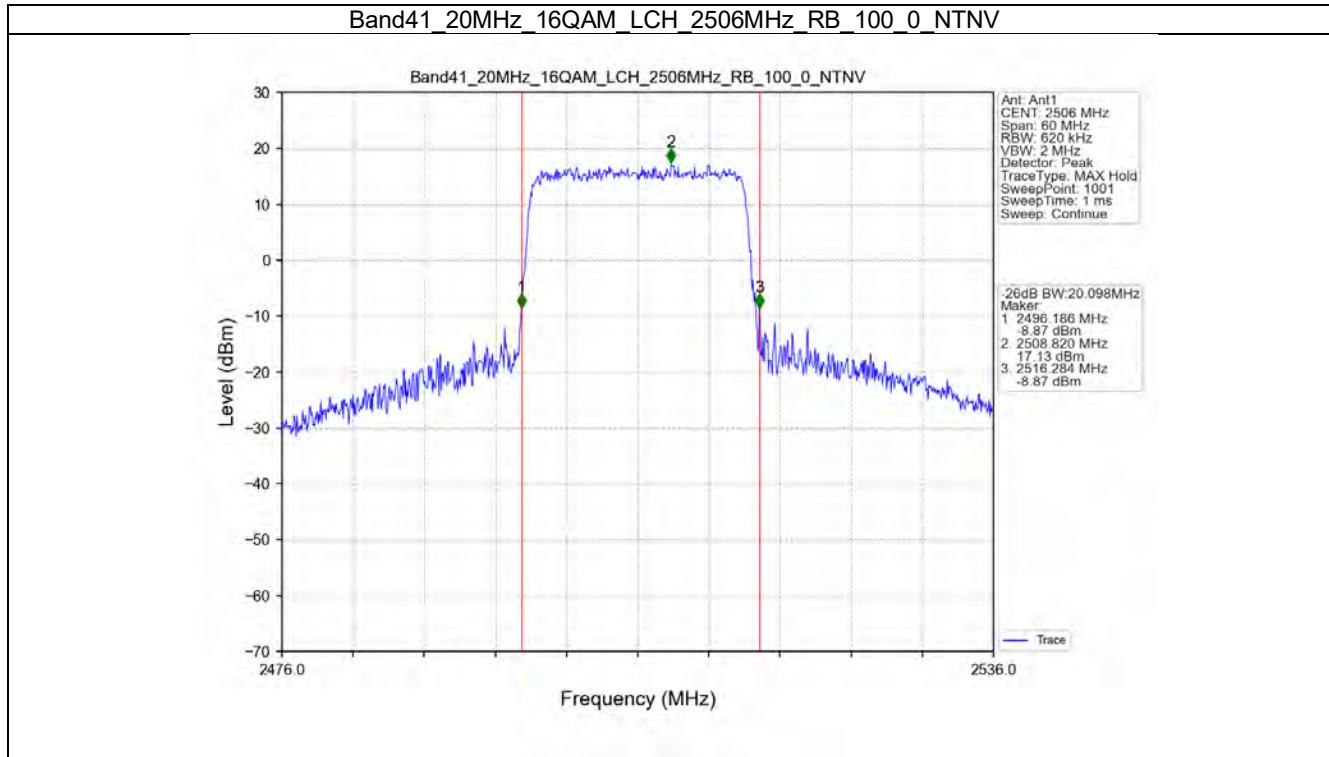


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Rev.: 01

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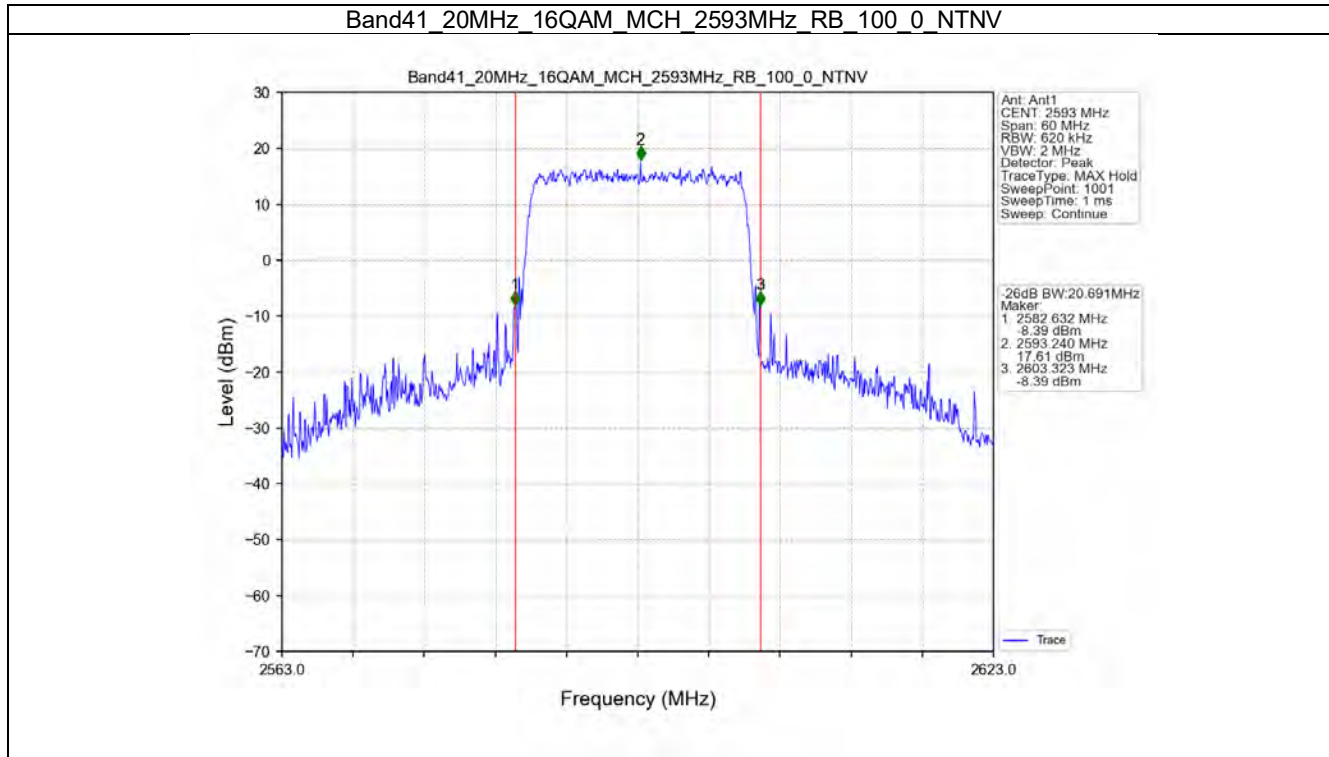
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 91 of 298



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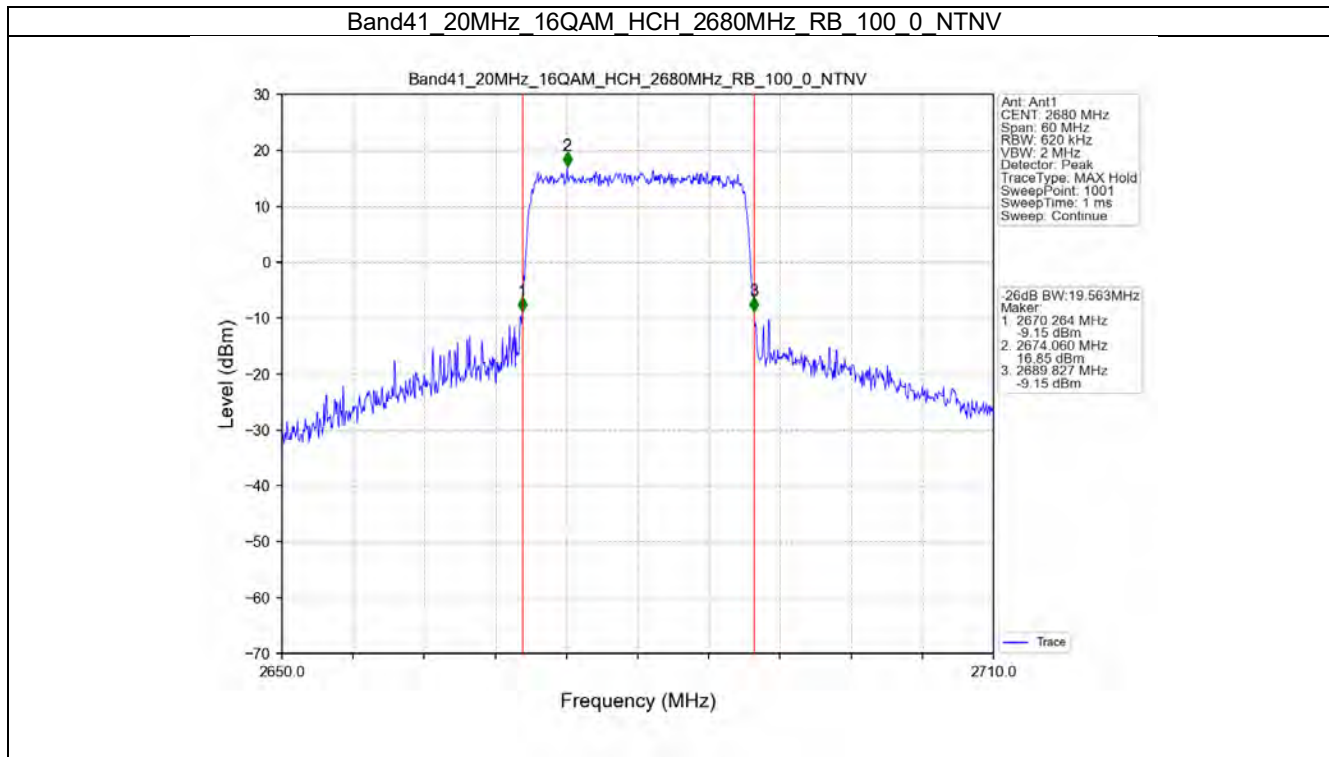


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Rev.: 01

Page: 92 of 298



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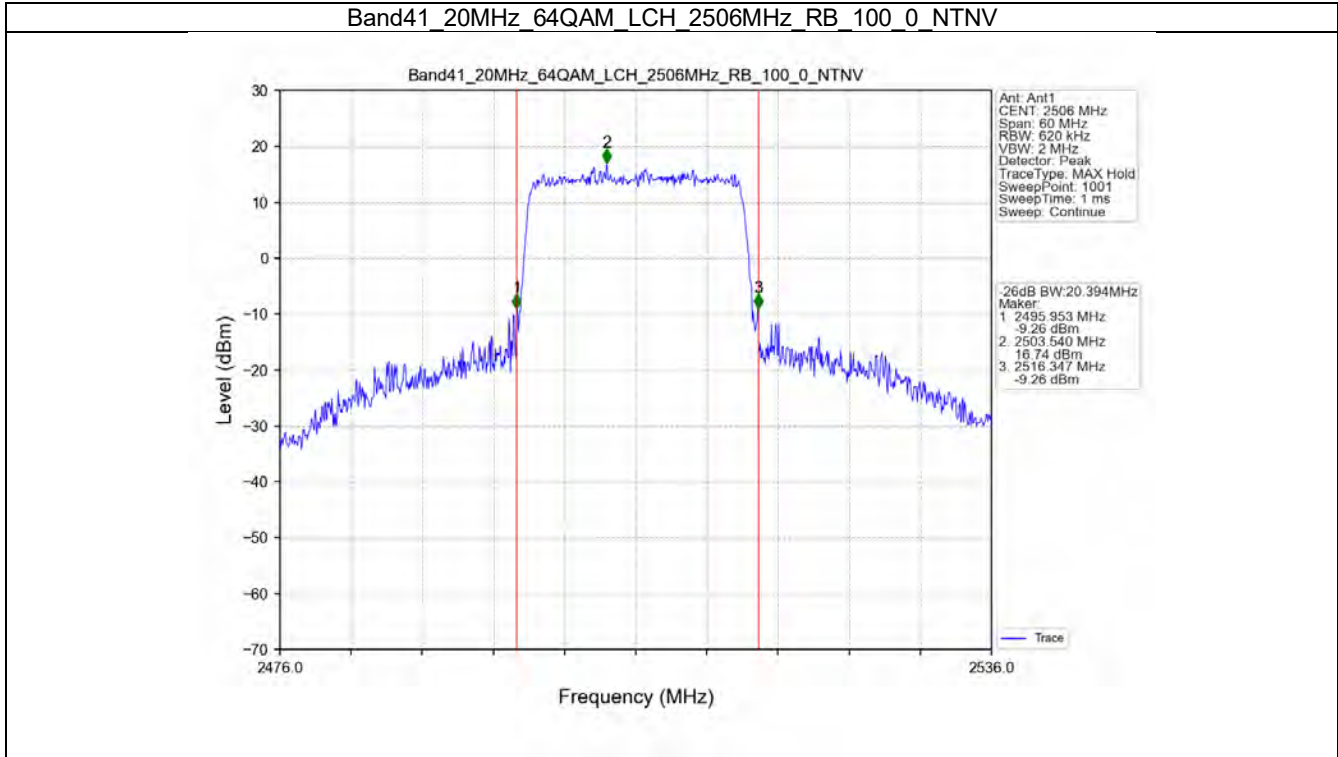
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 93 of 298



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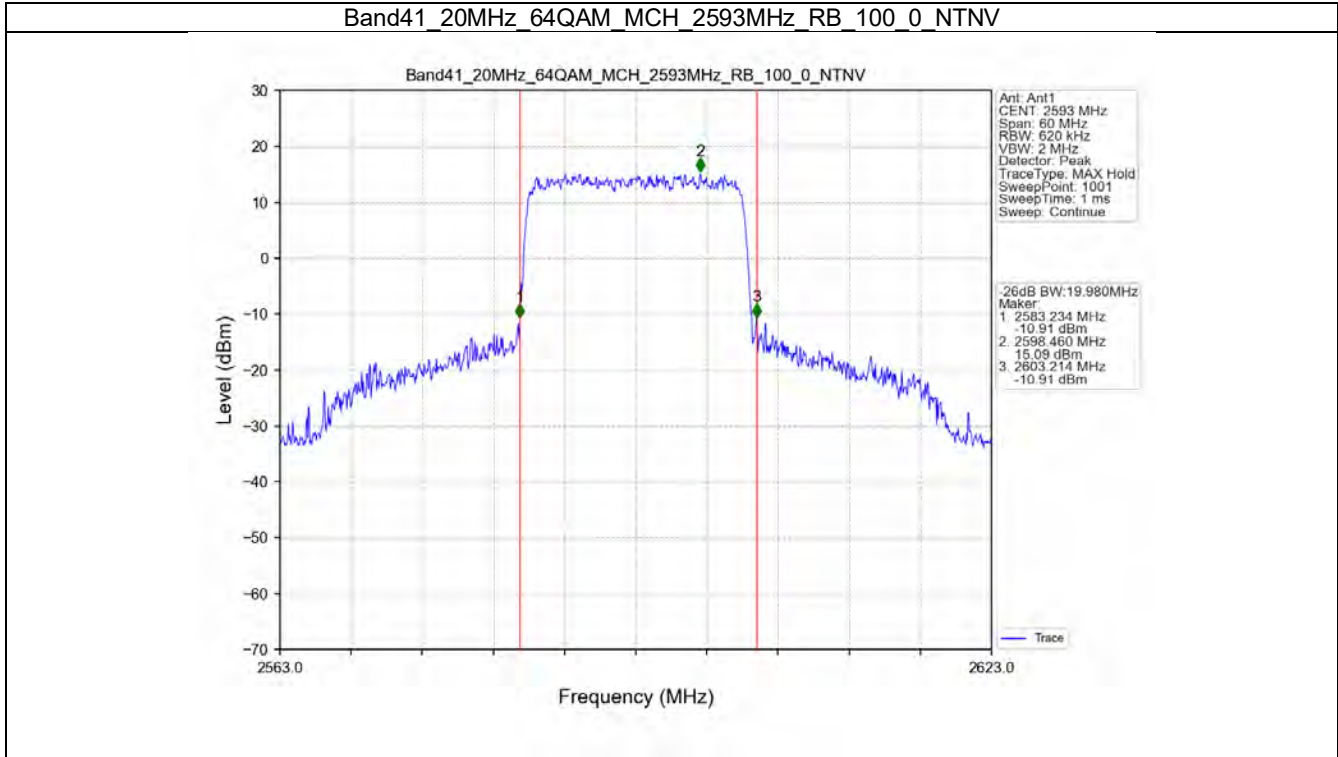
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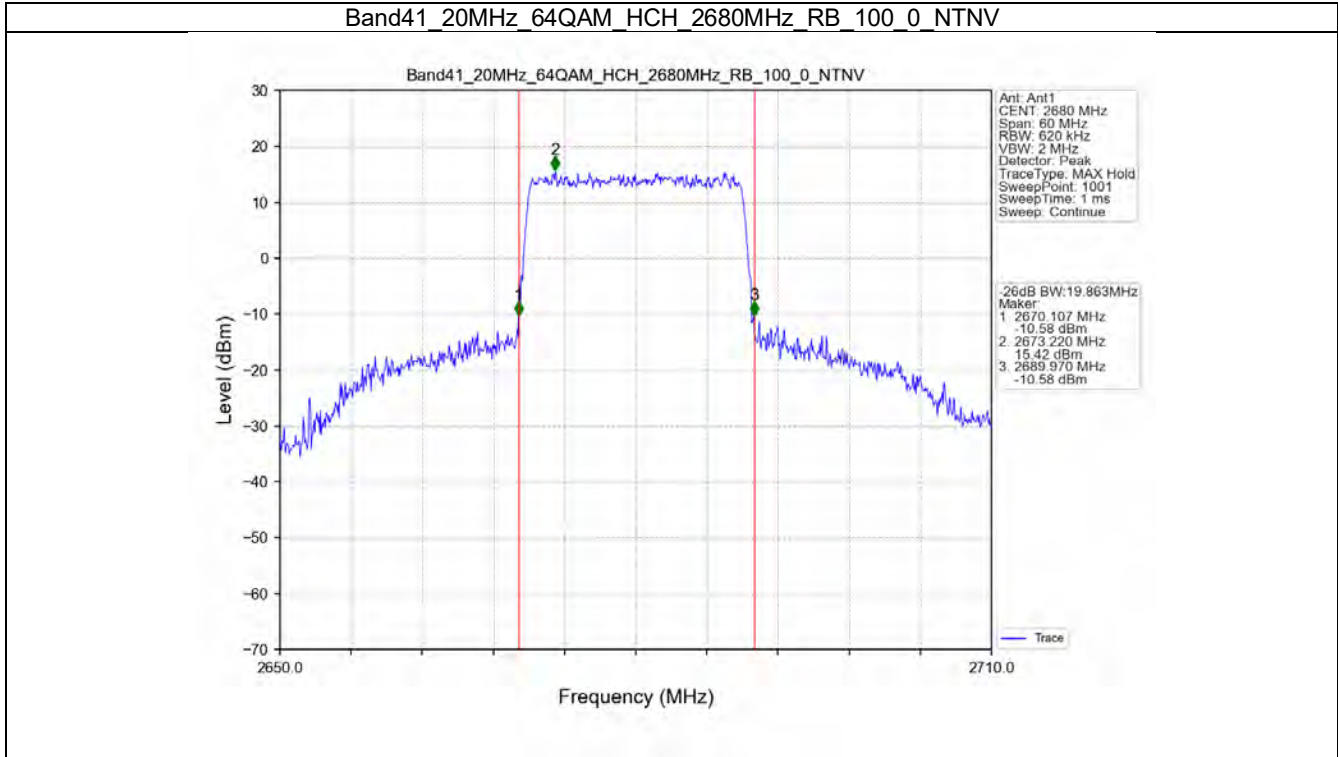
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Report No.: SZCR240200059401
Rev.: 01
Page: 96 of 298

4. Peak-Average Ratio

4.1 B41_5MHz

4.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.48	<=13	Pass
	2593	25	0	7.33	<=13	Pass
	2687.5	25	0	7.36	<=13	Pass
16QAM	2498.5	25	0	8.29	<=13	Pass
	2593	25	0	7.96	<=13	Pass
	2687.5	25	0	8.06	<=13	Pass
64QAM	2498.5	25	0	7.78	<=13	Pass
	2593	25	0	13.00	<=13	Pass
	2687.5	25	0	7.60	<=13	Pass



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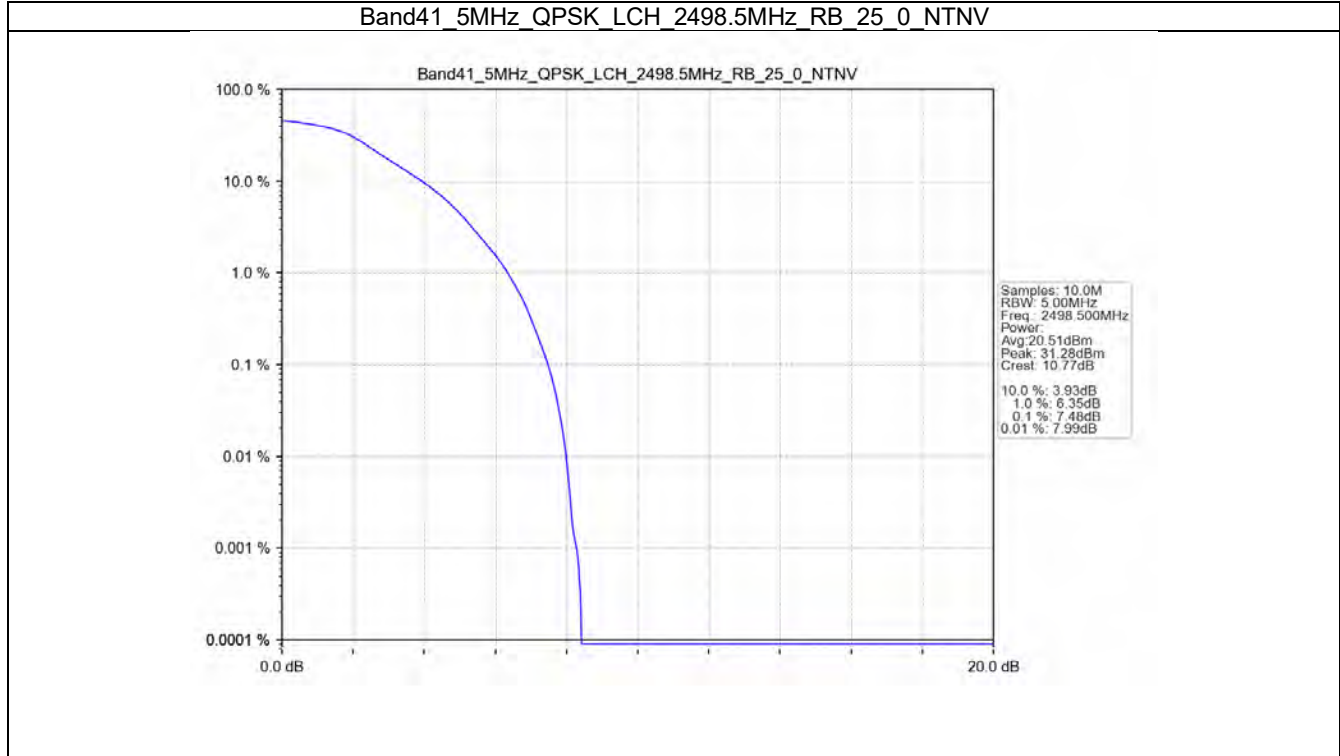
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 Page: 97 of 298

4.1.2 Test Graph



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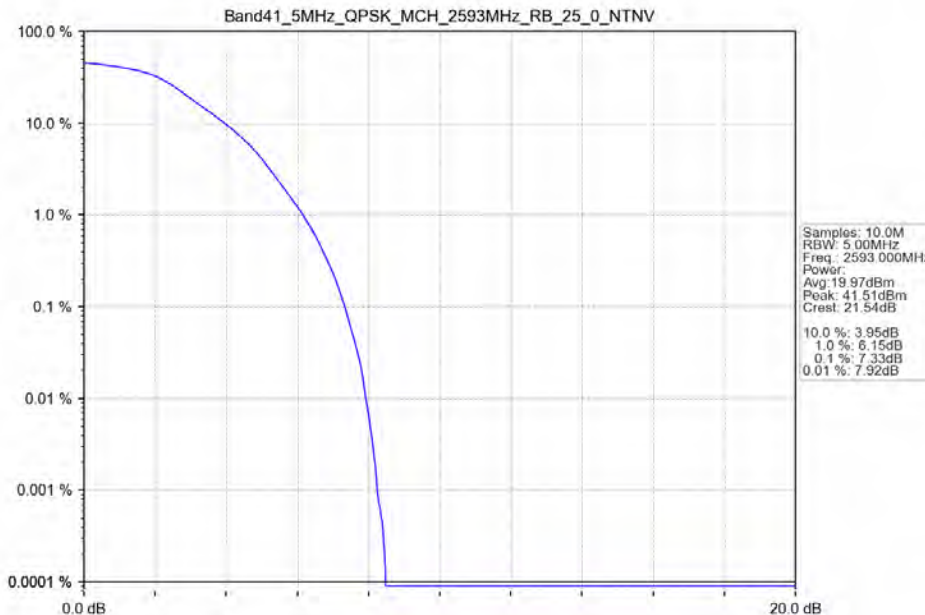
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Page: 98 of 298

Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



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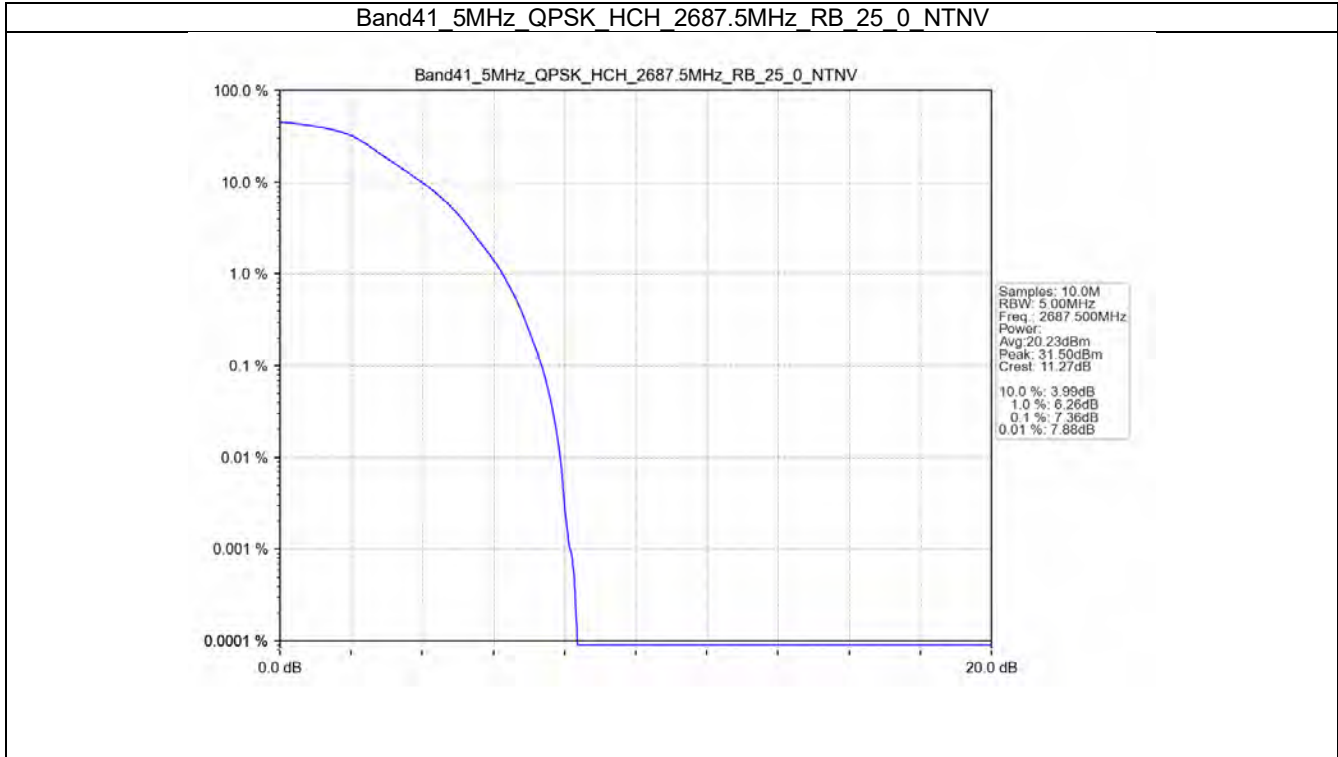
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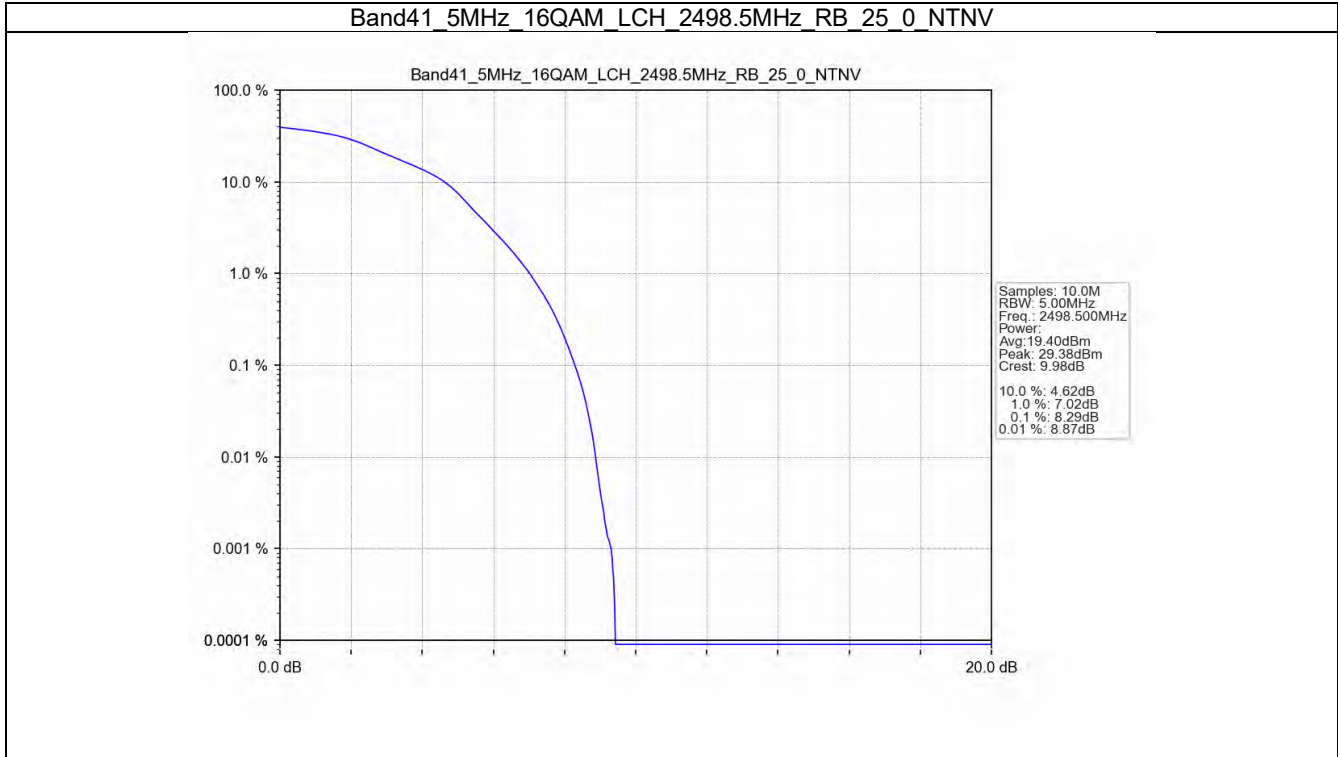
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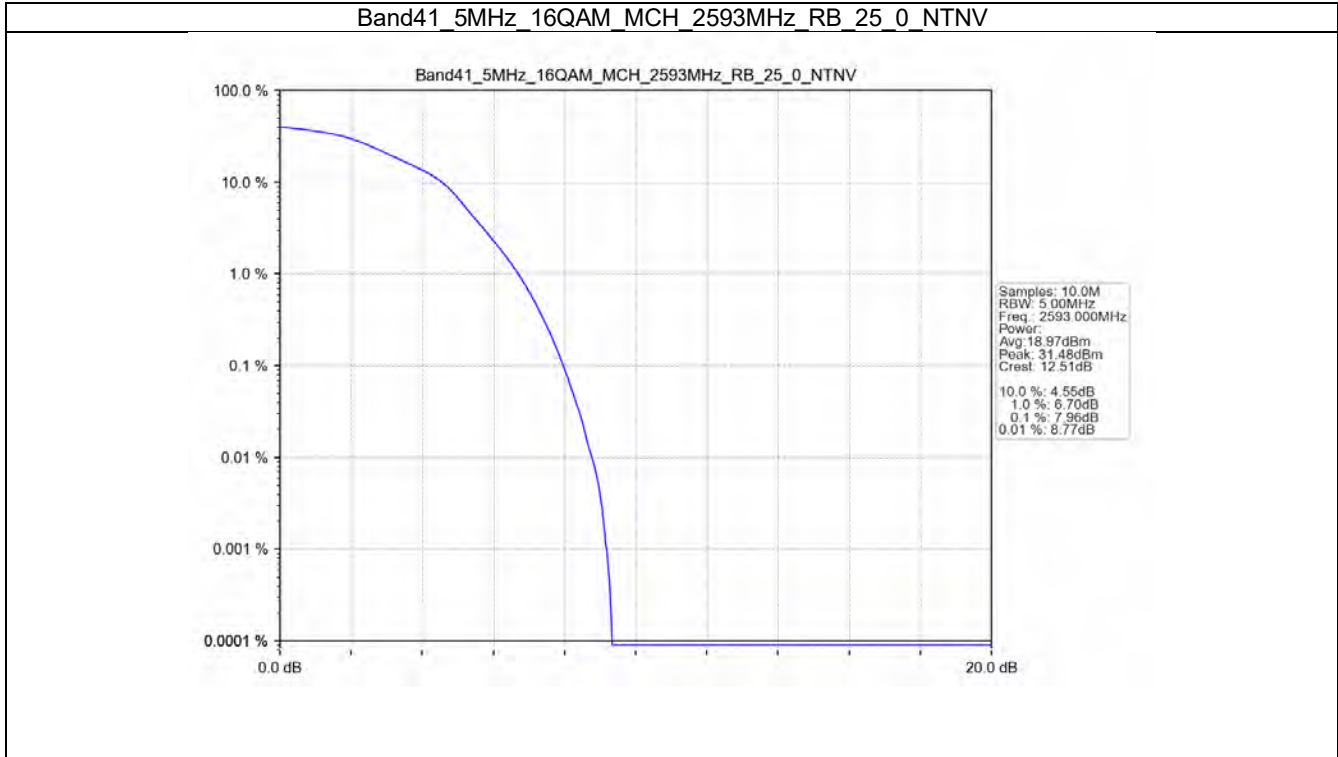
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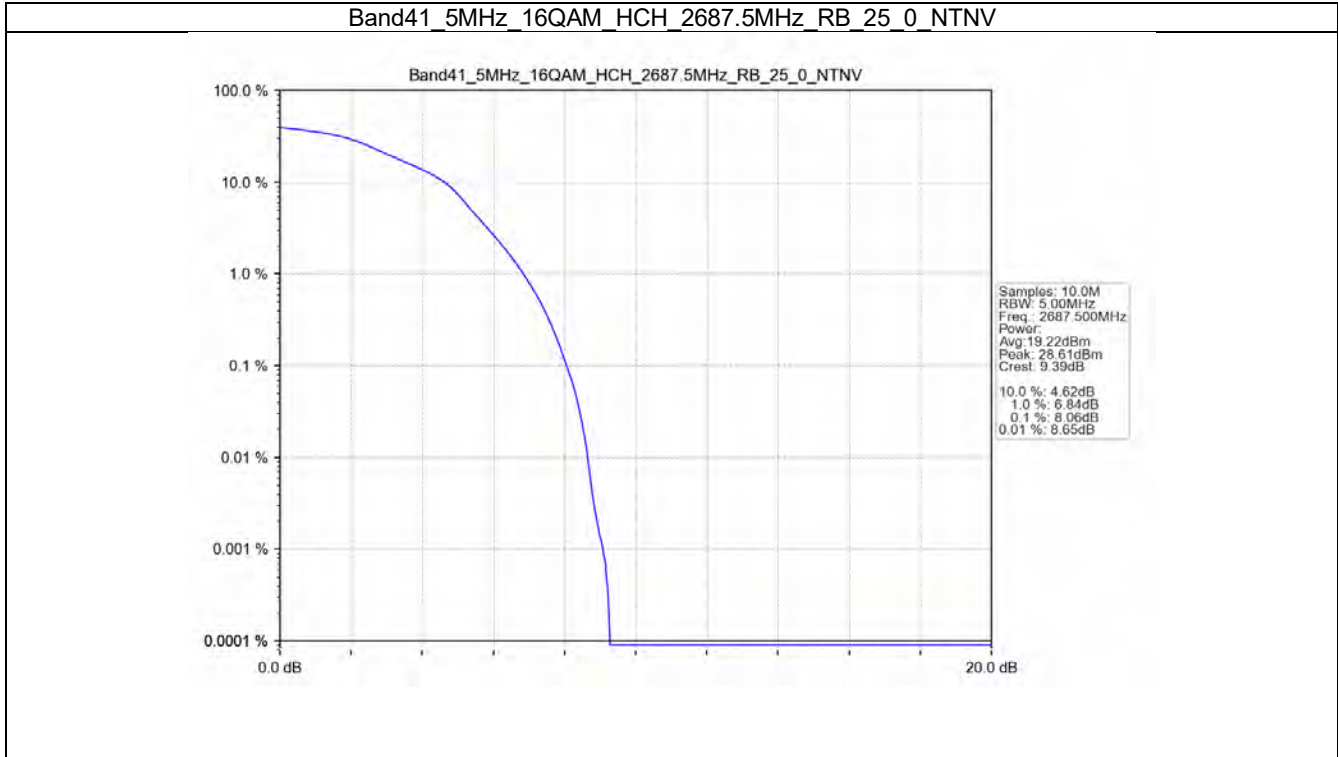
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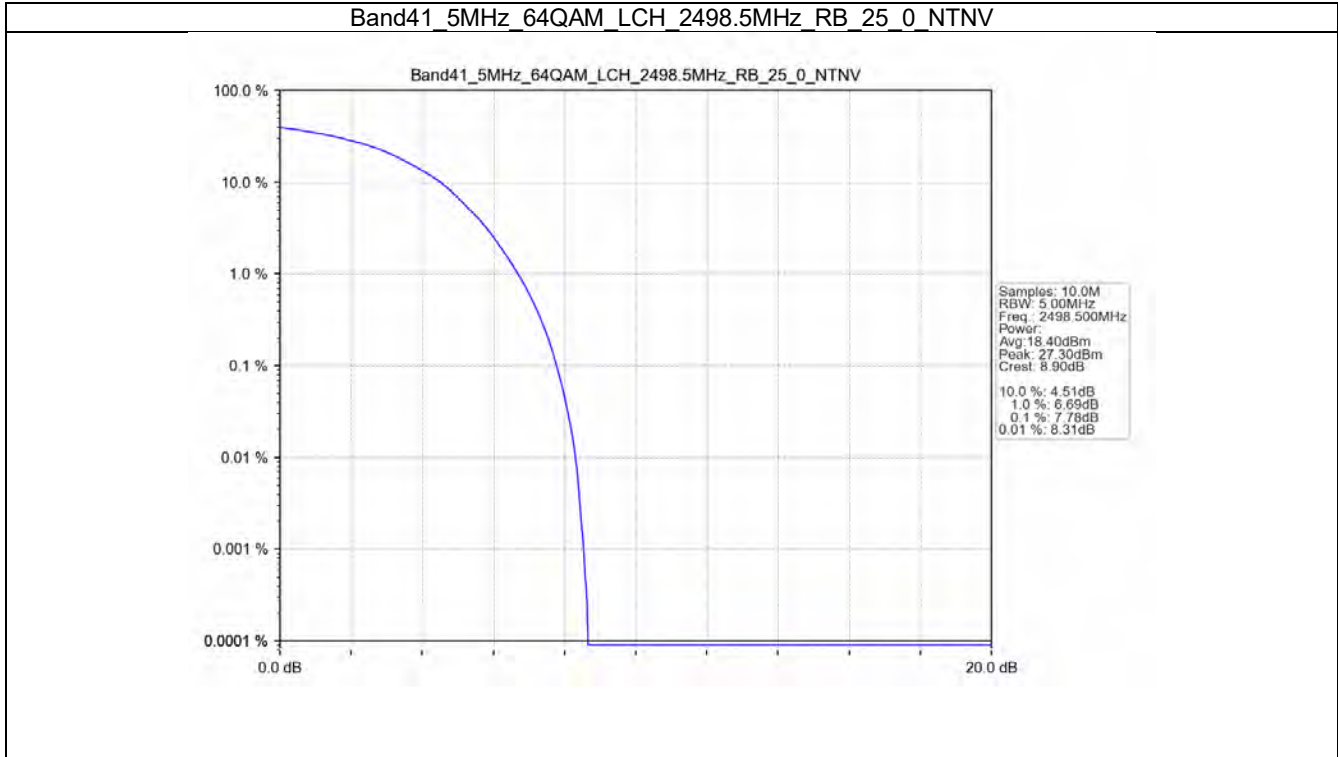
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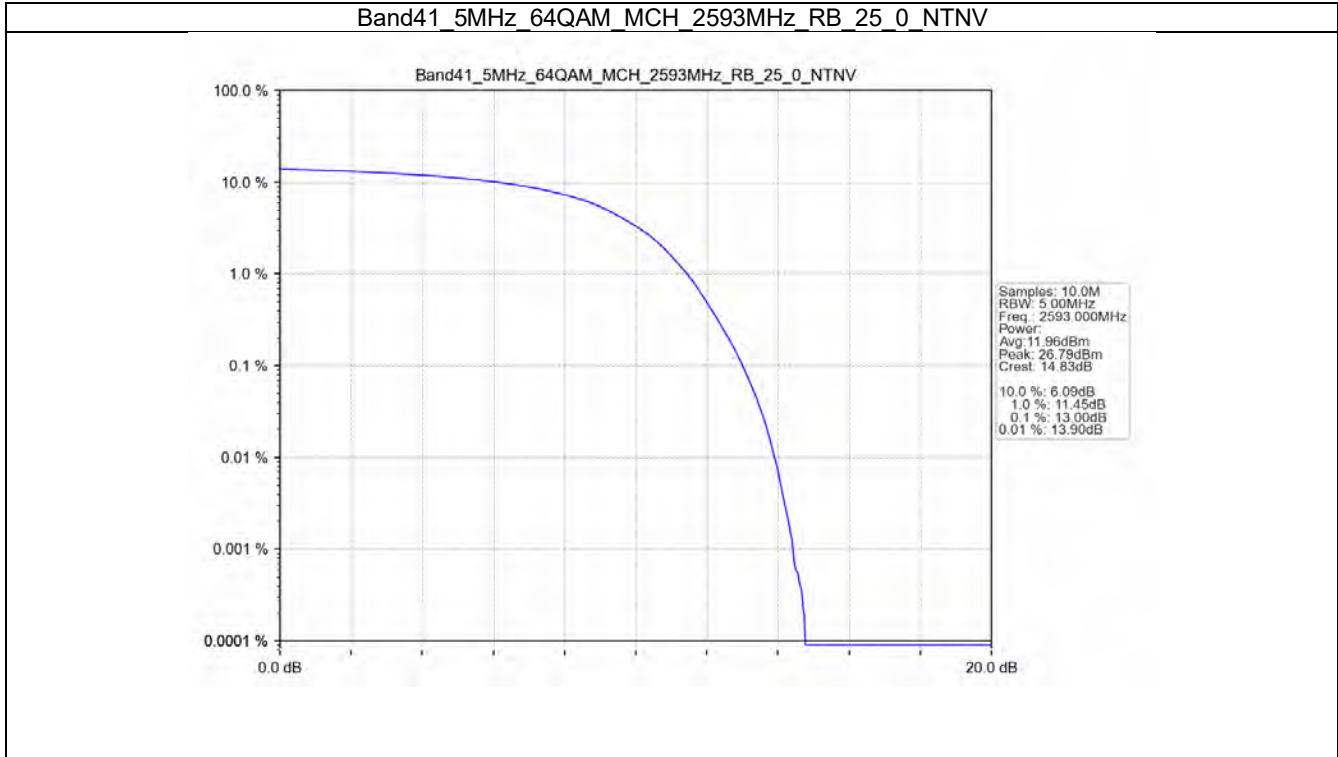
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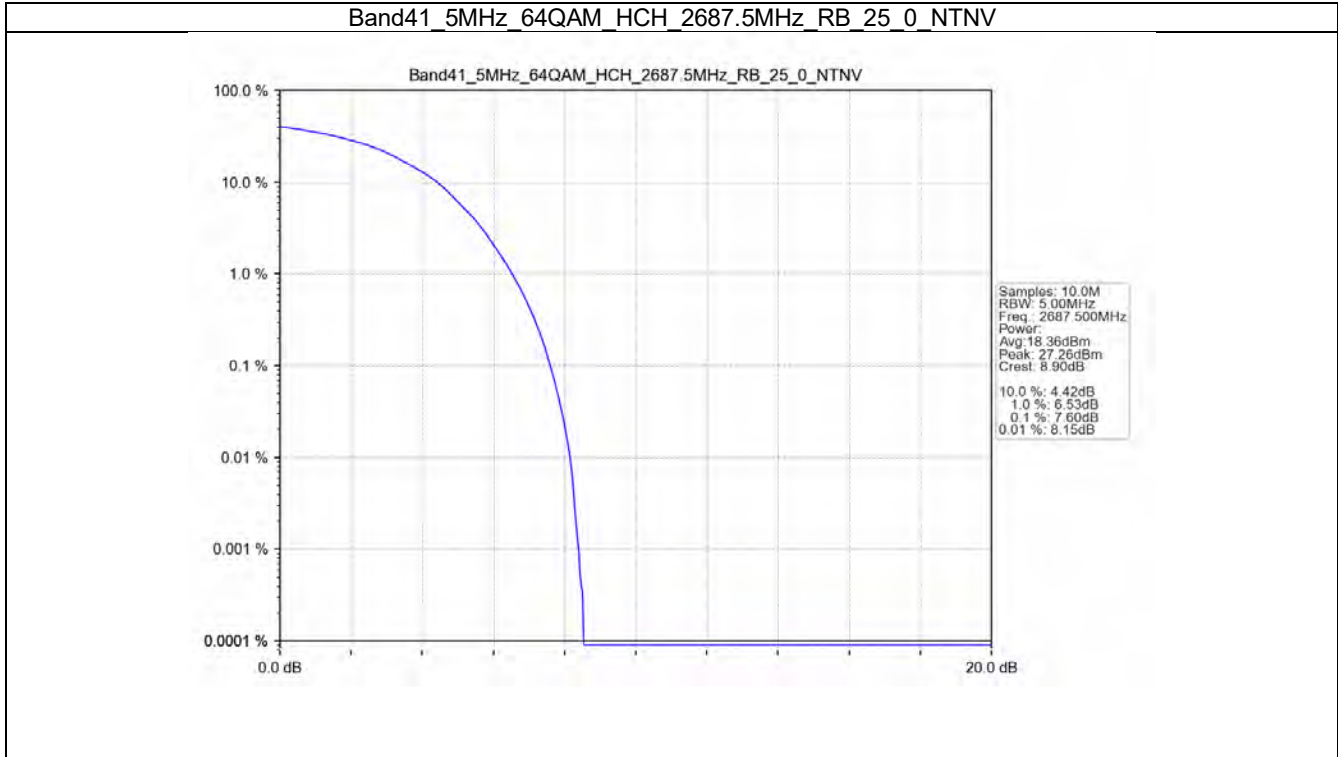
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Report No.: SZCR240200059401
Rev.: 01
Page: 106 of 298

4.2 B41_10MHz

4.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	50	0	7.63	<=13	Pass
	2593	50	0	7.15	<=13	Pass
	2685	50	0	7.22	<=13	Pass
16QAM	2501	50	0	8.19	<=13	Pass
	2593	50	0	7.88	<=13	Pass
	2685	50	0	7.95	<=13	Pass
64QAM	2501	50	0	8.03	<=13	Pass
	2593	50	0	7.73	<=13	Pass
	2685	50	0	7.65	<=13	Pass



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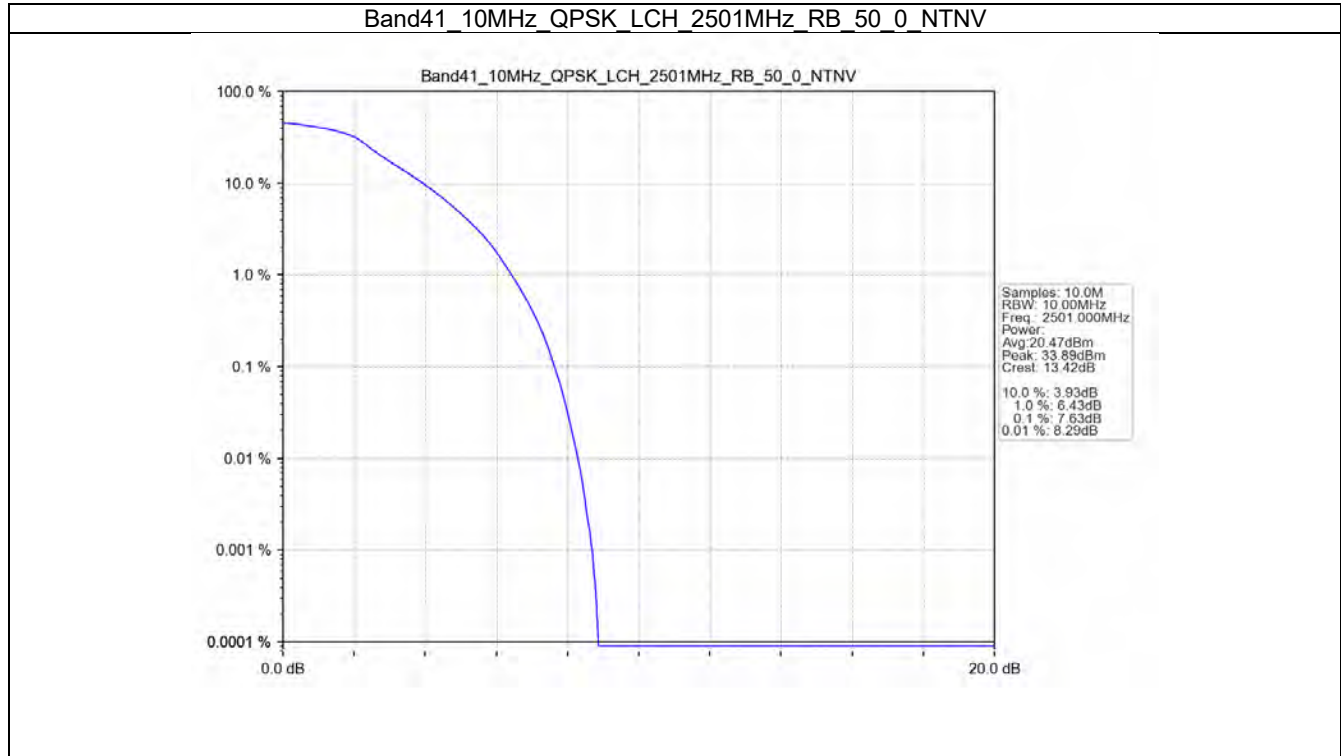
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Report No.: SZCR240200059401

Rev.: 01

Page: 107 of 298

4.2.2 Test Graph



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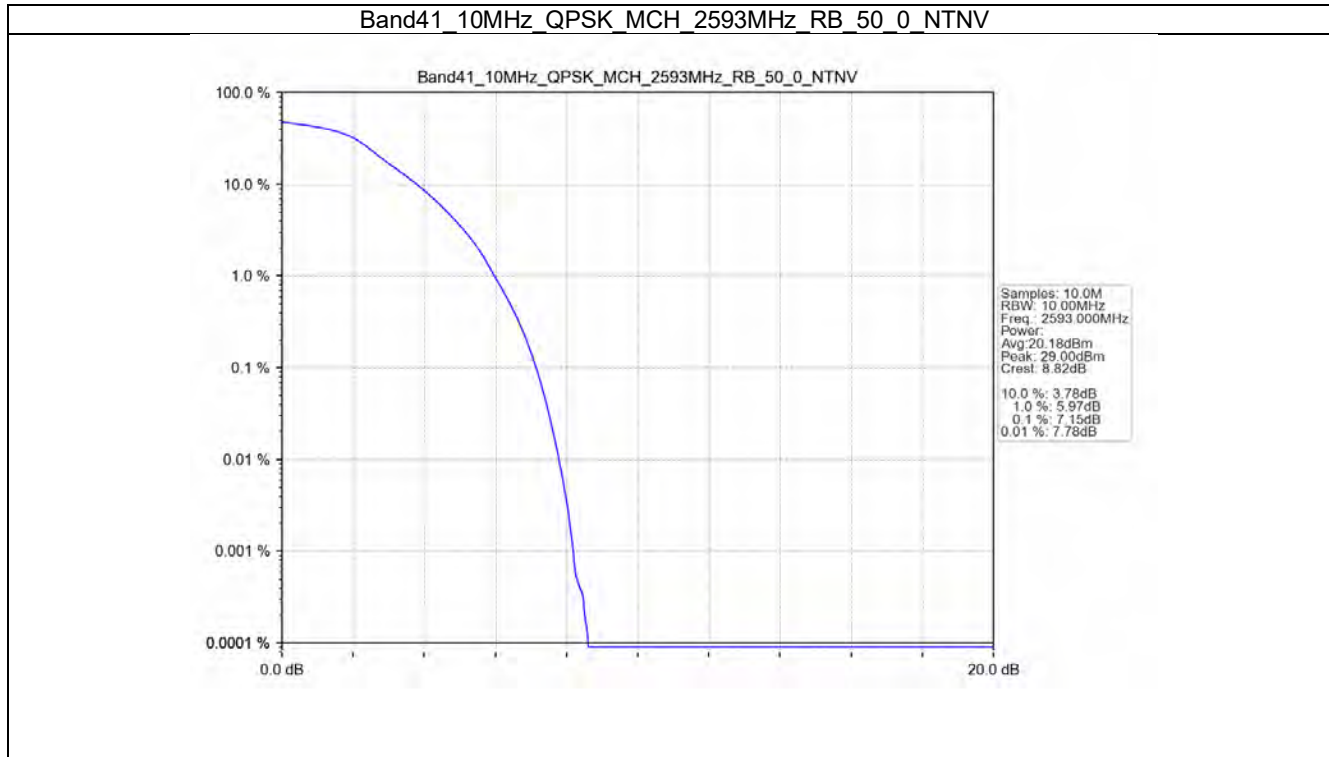
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Rev.: 01
Page: 108 of 298



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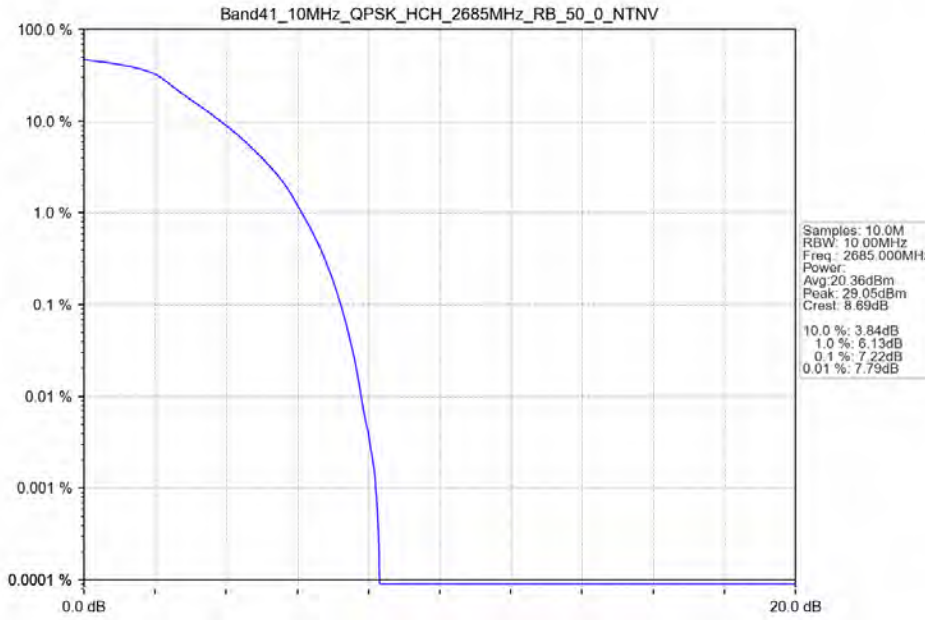
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 Rev.: 01
 Page: 109 of 298

Band41_10MHz QPSK HCH_2685MHz_RB_50_0_NTNV



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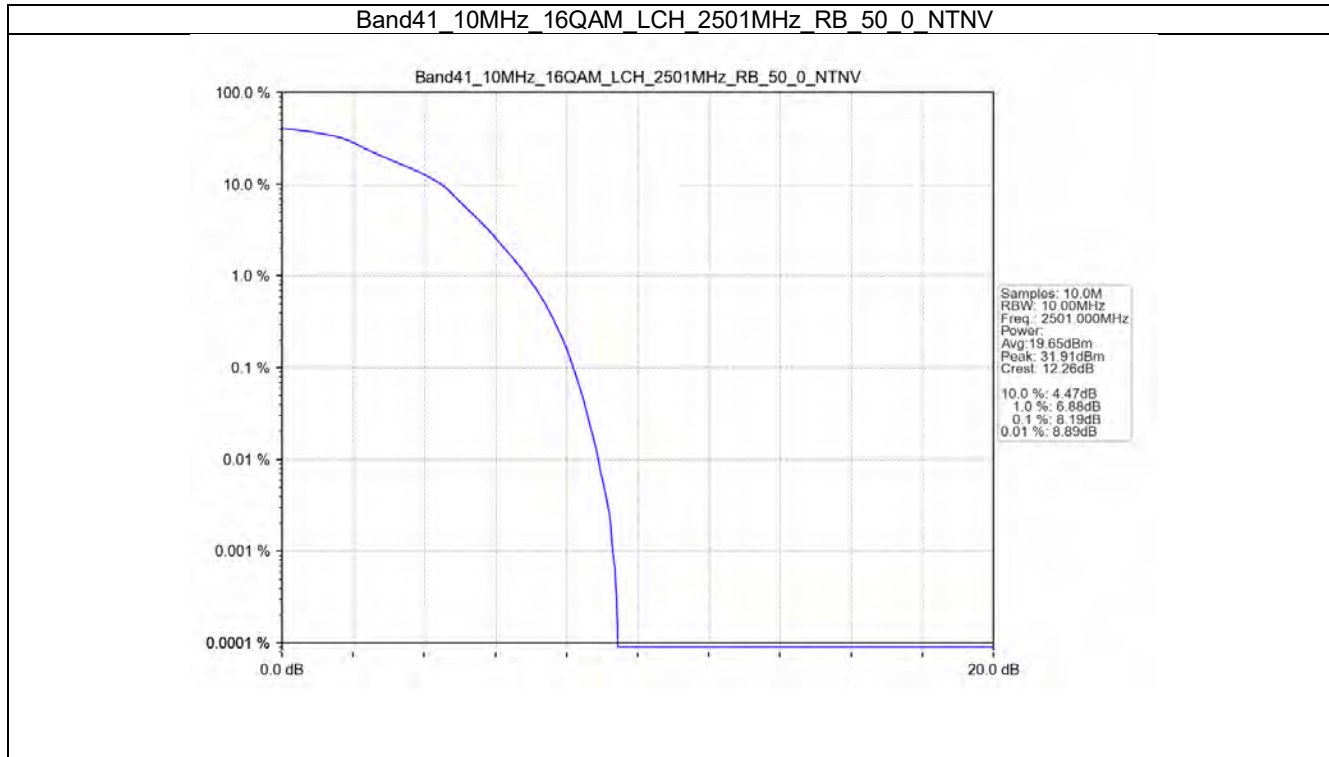
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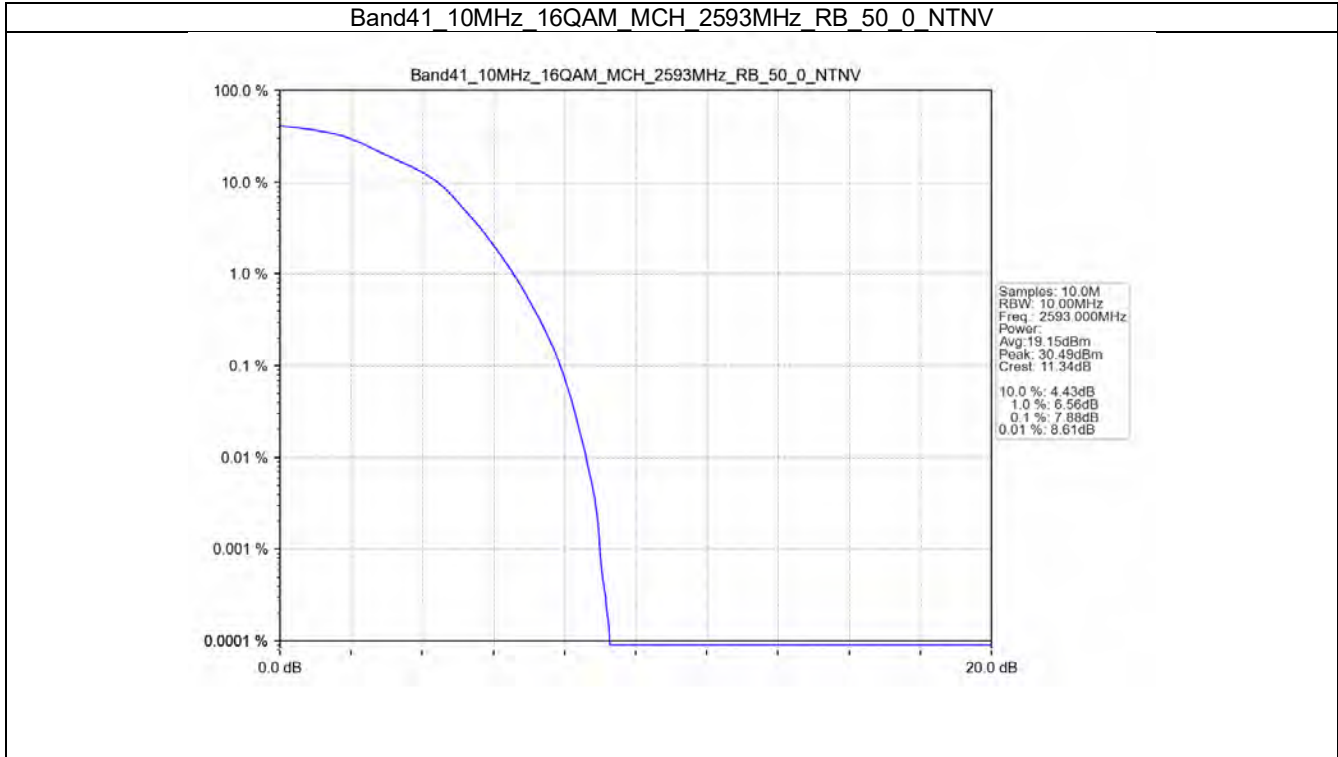
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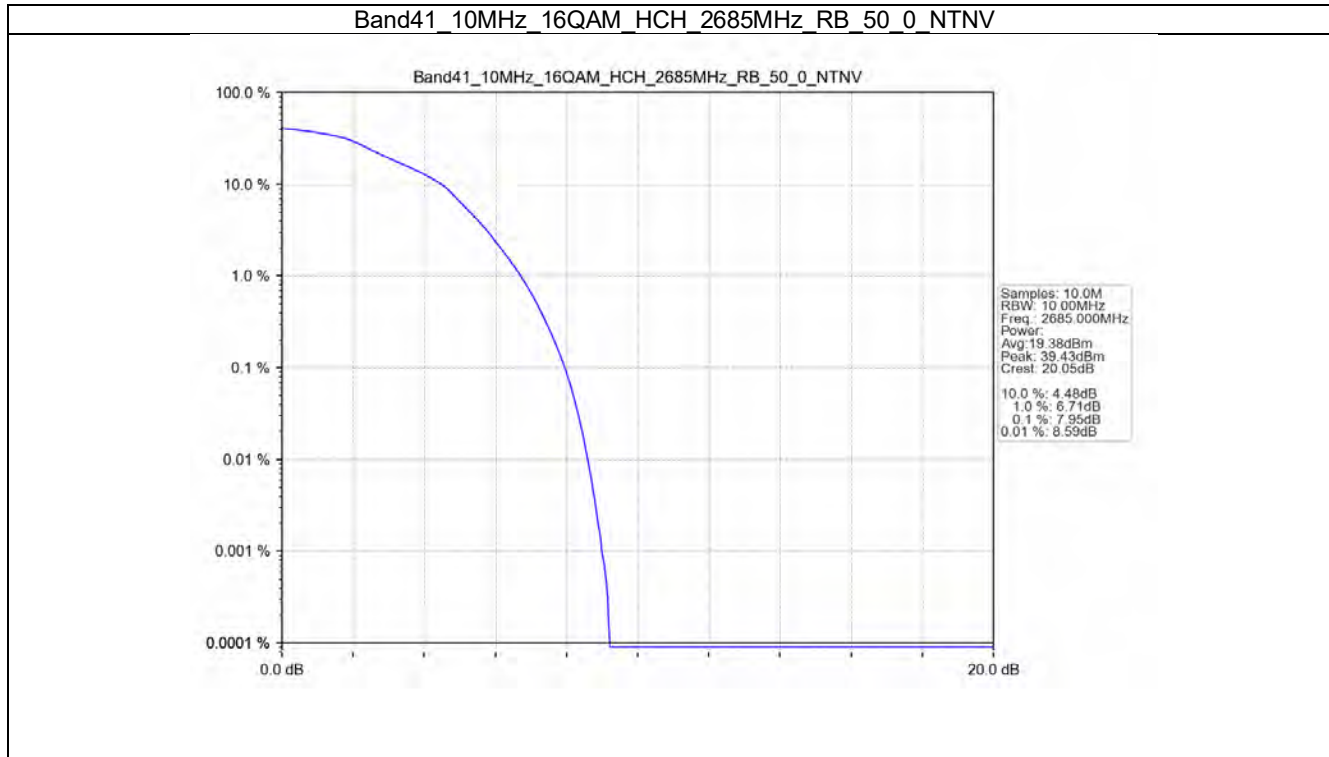


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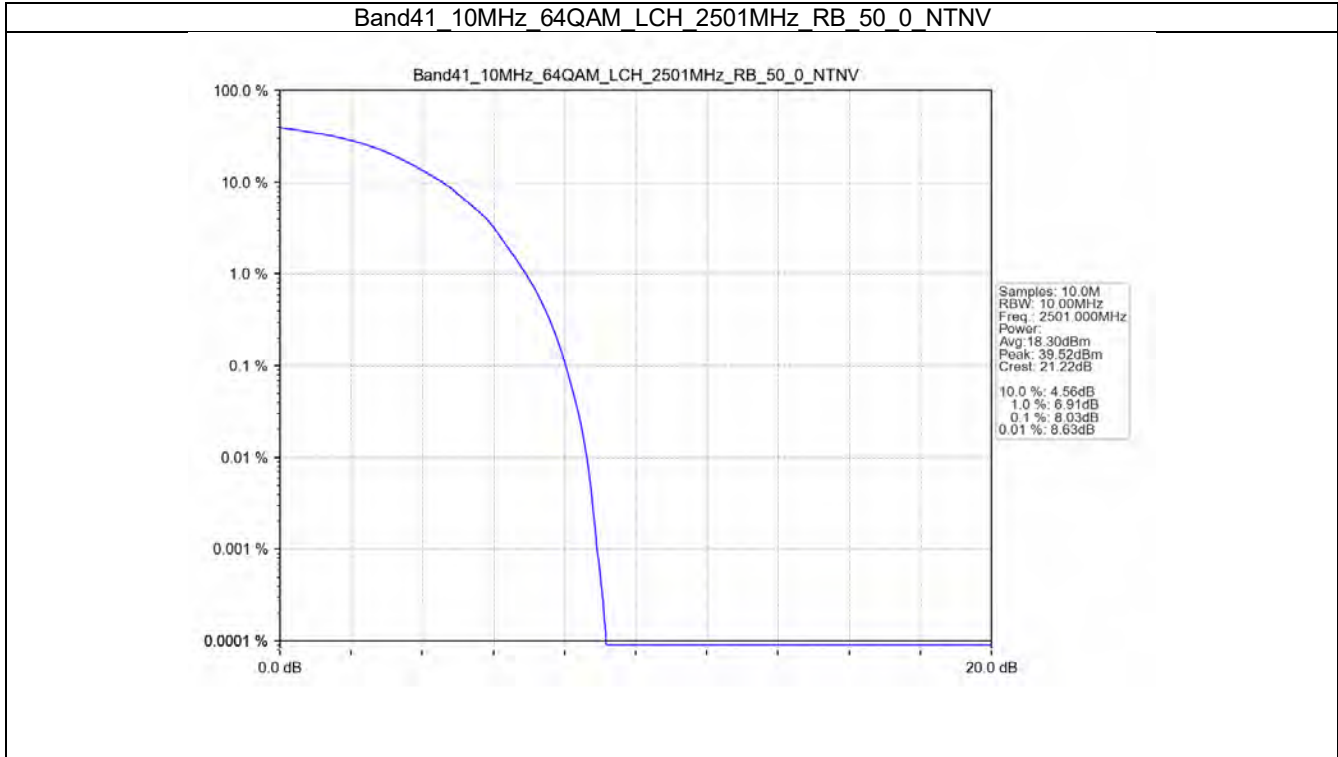
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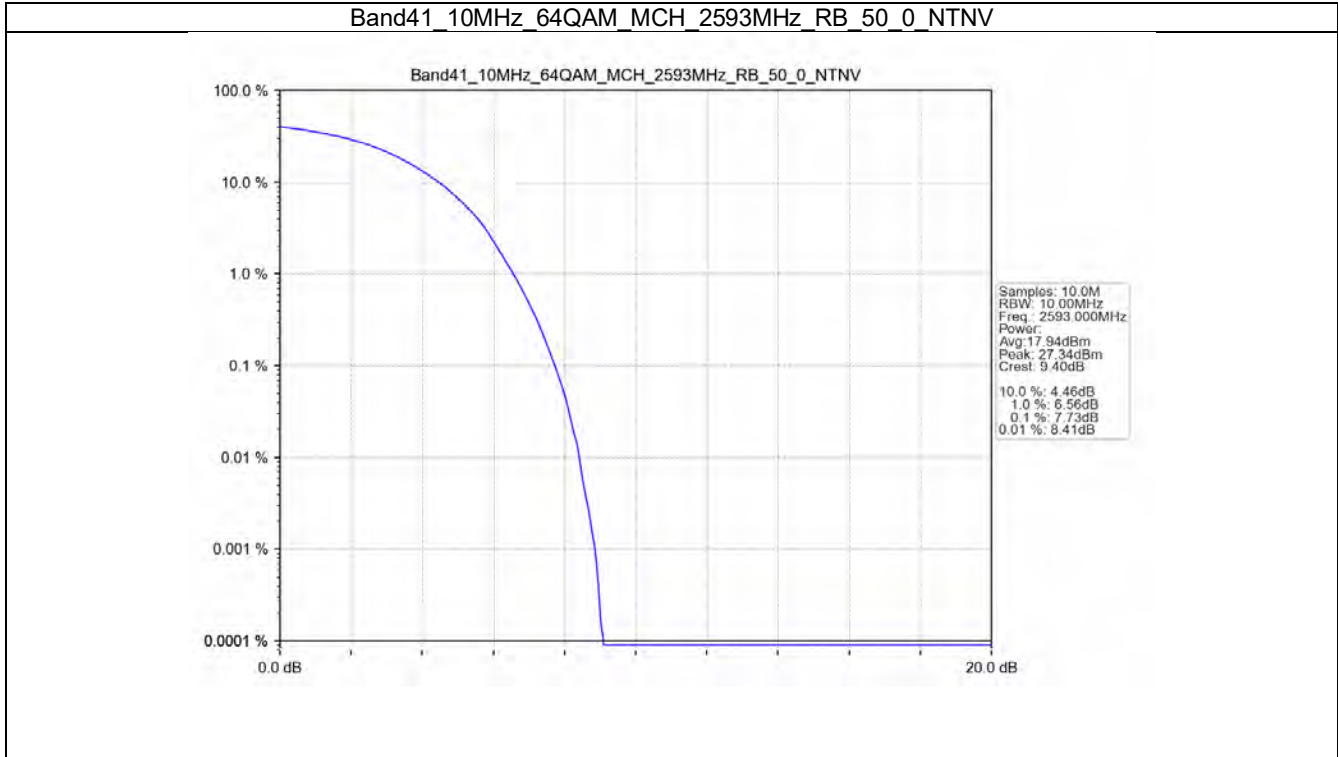
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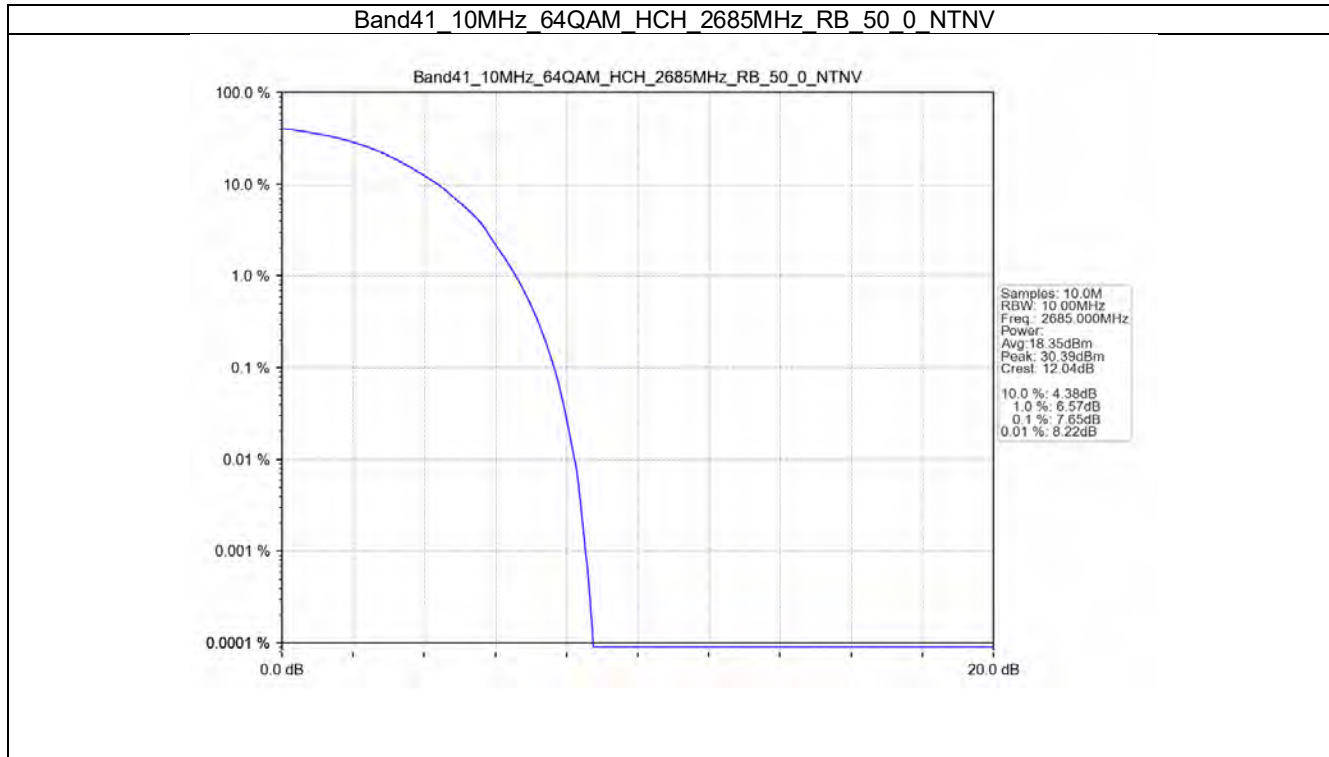


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Report No.: SZCR240200059401
Rev.: 01
Page: 116 of 298

4.3 B41_15MHz

4.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2503.5	75	0	7.51	<=13	Pass
	2593	75	0	7.08	<=13	Pass
	2682.5	75	0	7.19	<=13	Pass
16QAM	2503.5	75	0	7.81	<=13	Pass
	2593	75	0	8.03	<=13	Pass
	2682.5	75	0	7.75	<=13	Pass
64QAM	2503.5	75	0	7.65	<=13	Pass
	2593	75	0	7.63	<=13	Pass
	2682.5	75	0	7.67	<=13	Pass



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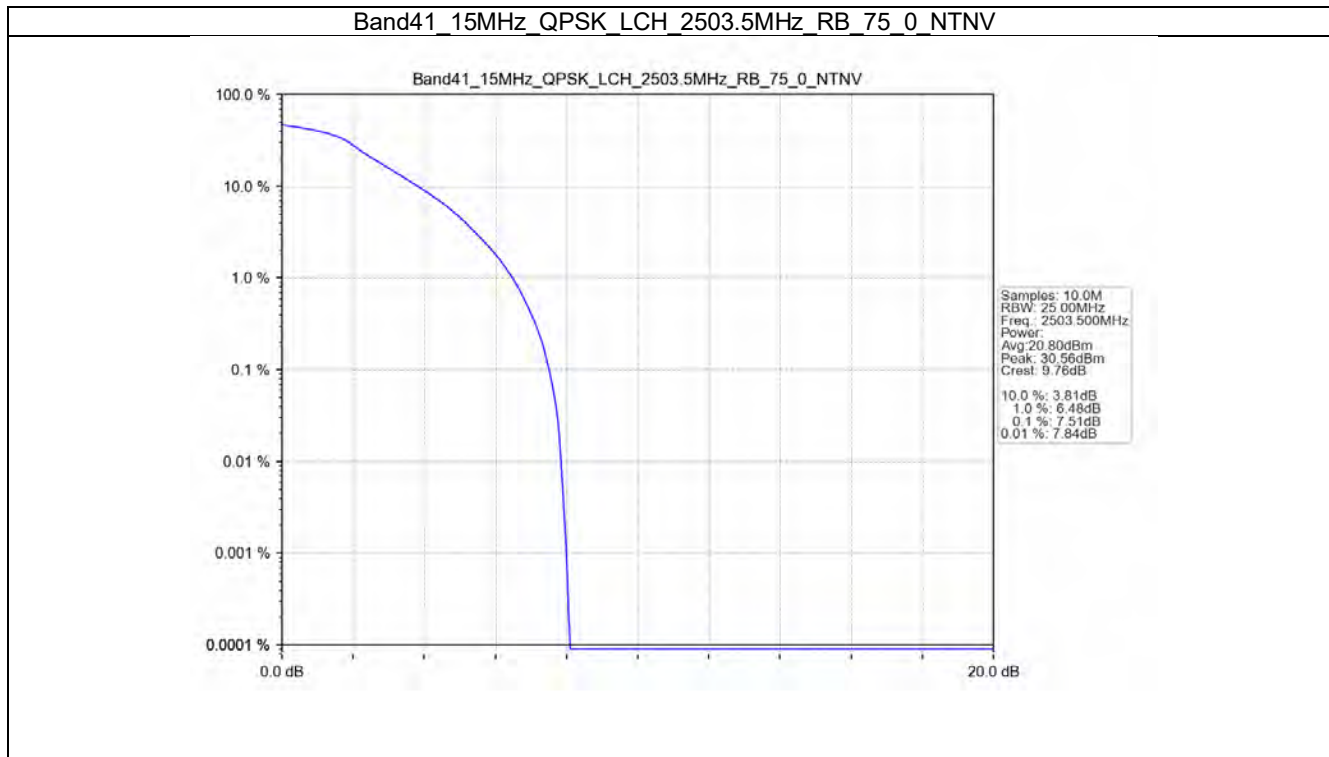
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4.3.2 Test Graph



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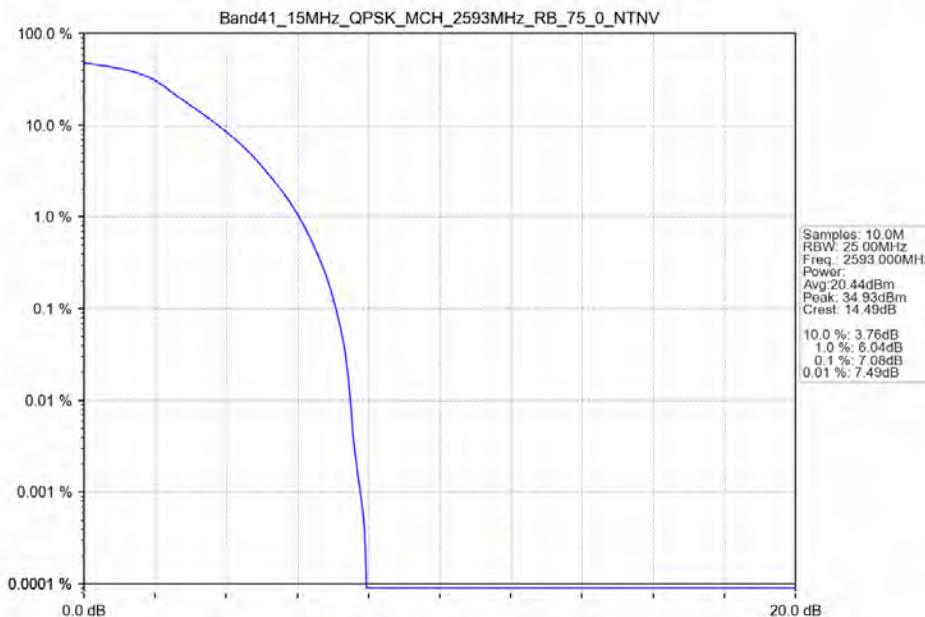
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Band41_15MHz QPSK MCH_2593MHz_RB_75_0_NTNV



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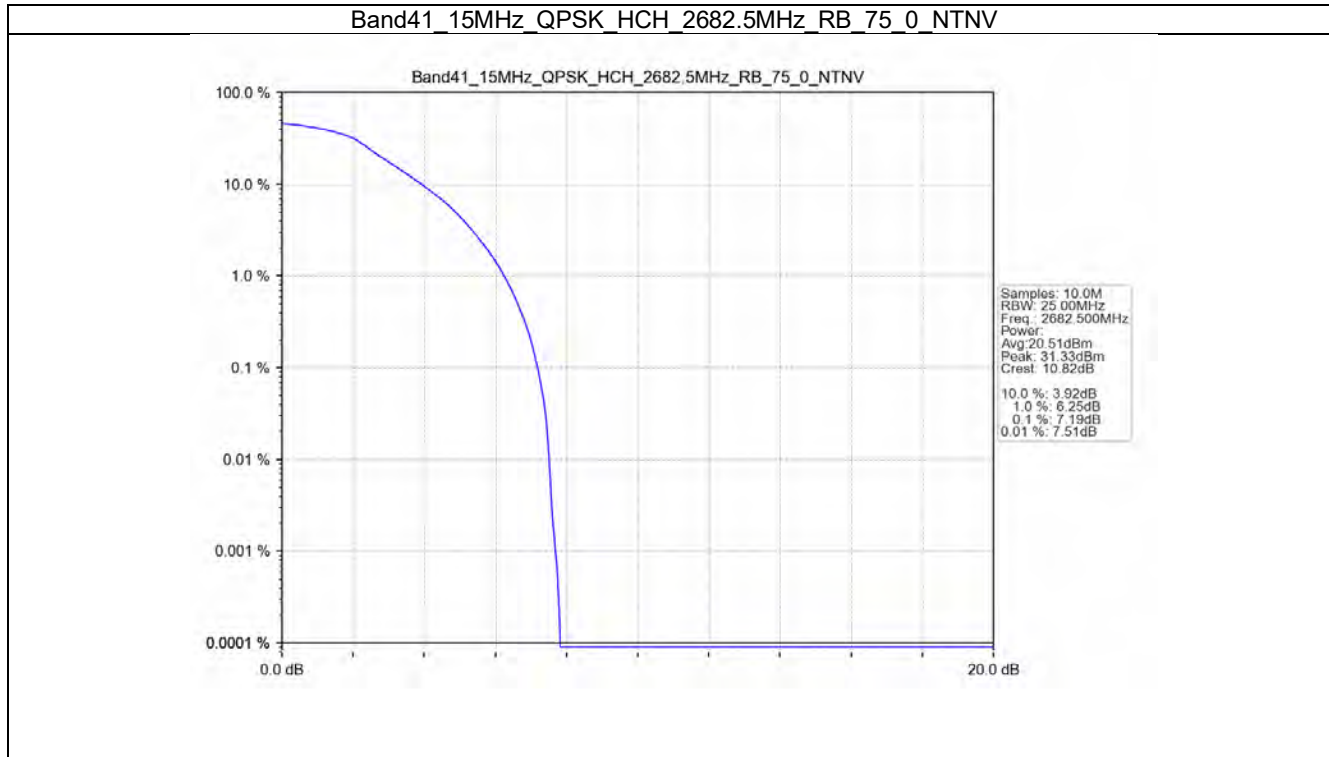
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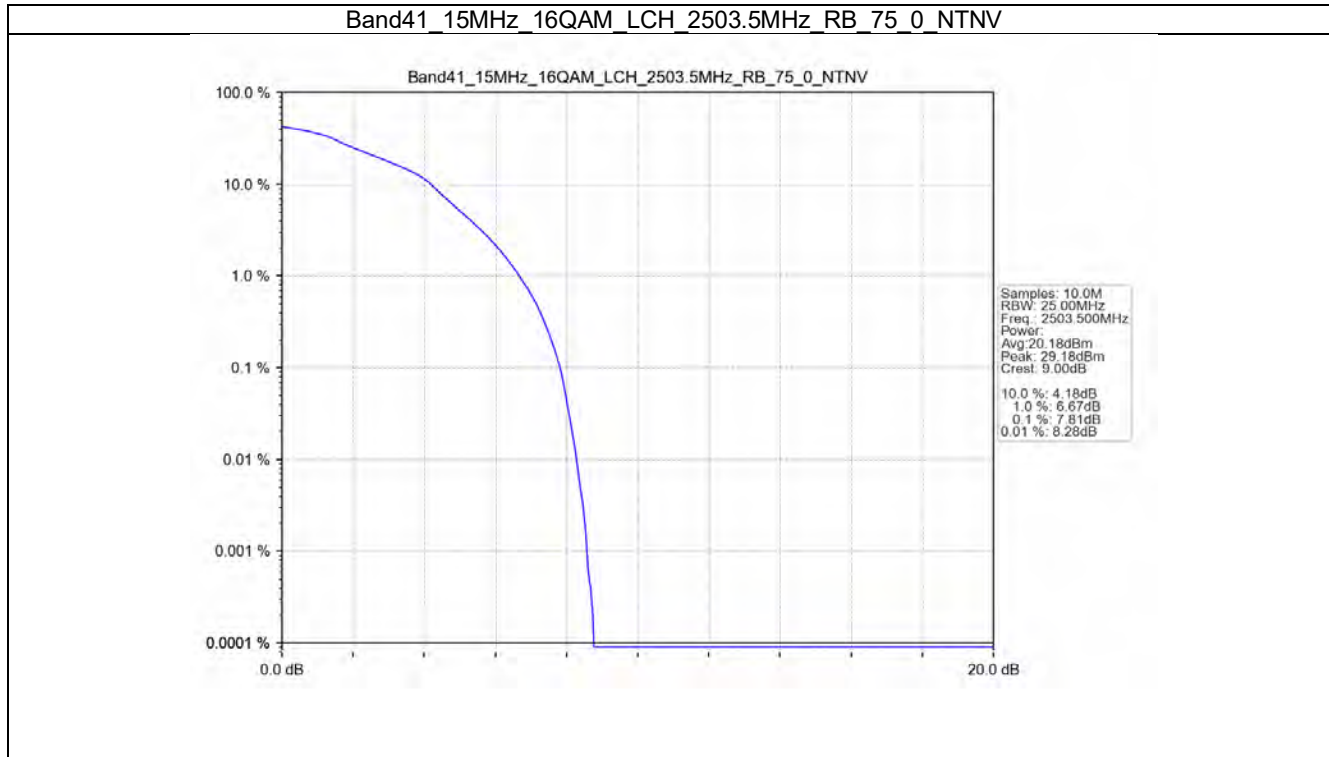


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Report No.: SZCR240200059401
 Rev.: 01
 Page: 121 of 298



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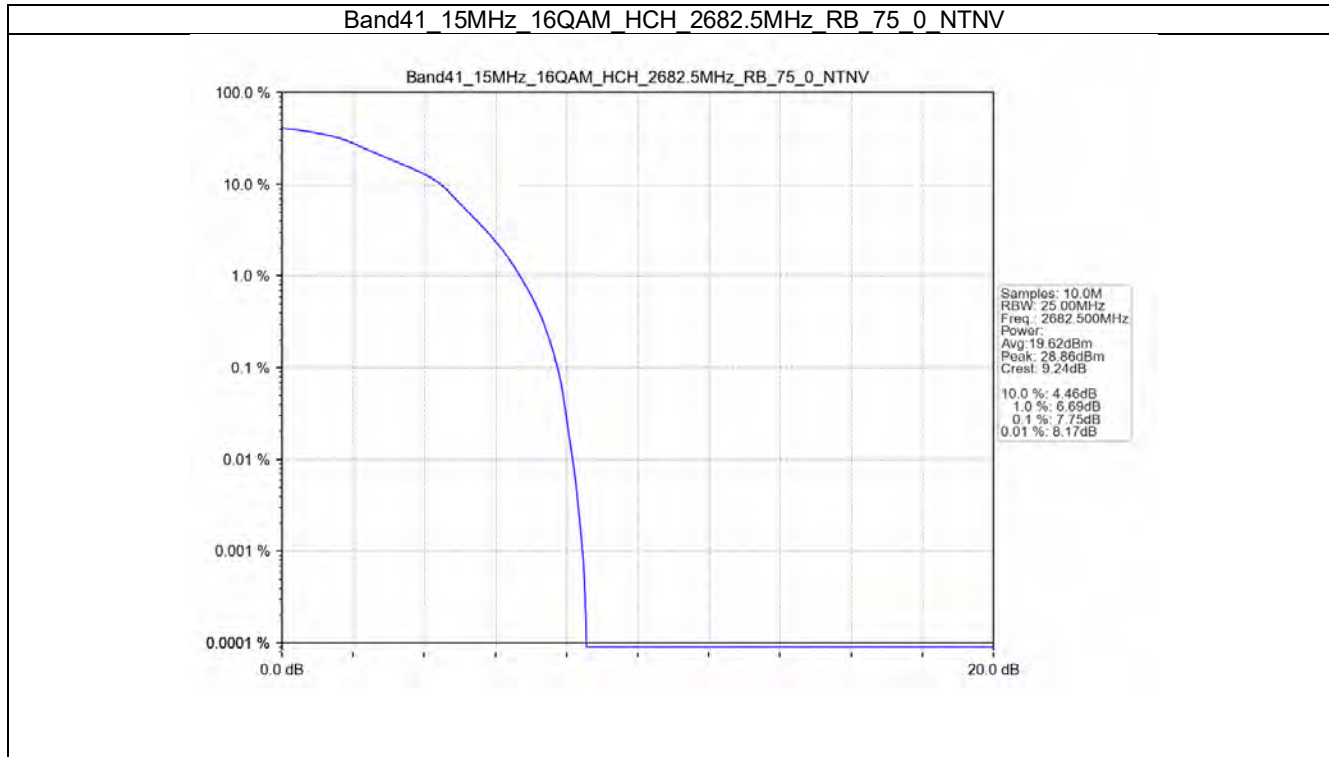


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Report No.: SZCR240200059401

Rev.: 01

Page: 122 of 298



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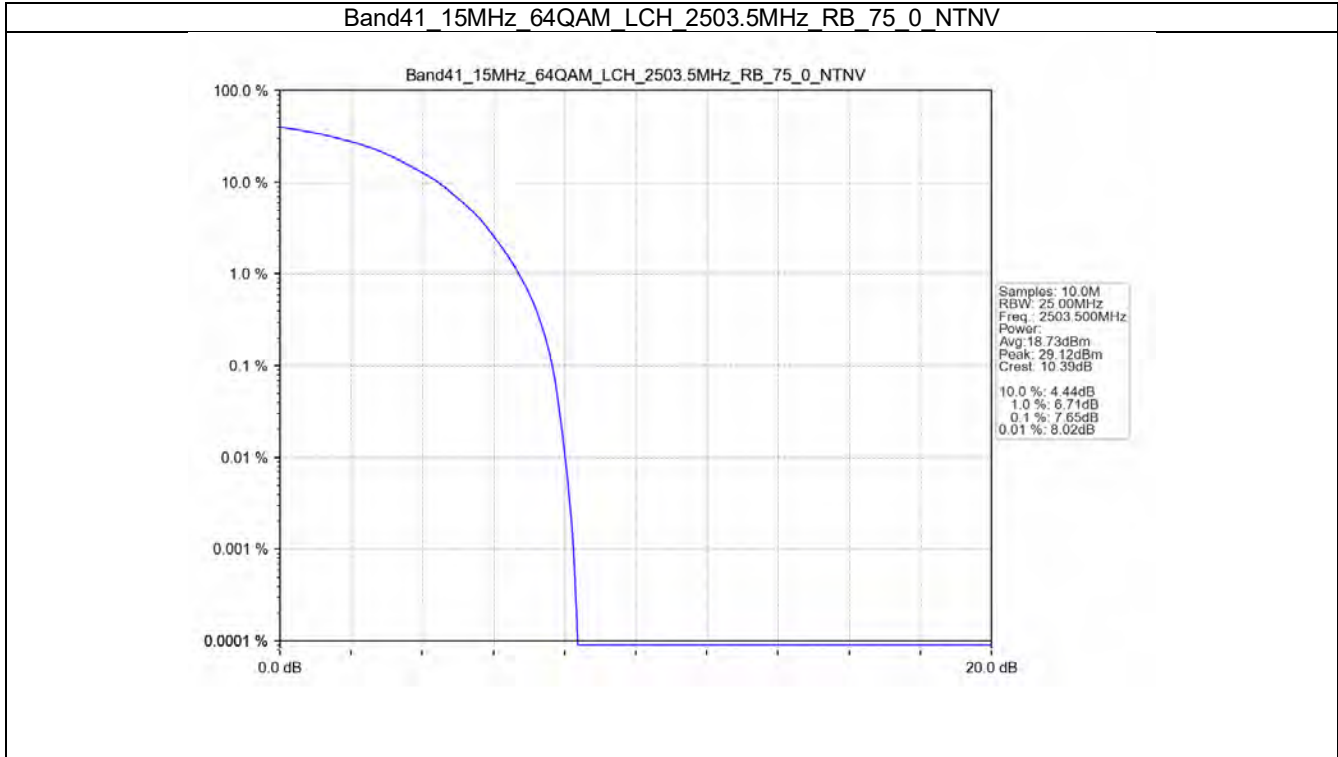
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Report No.: SZCR240200059401
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 Page: 123 of 298



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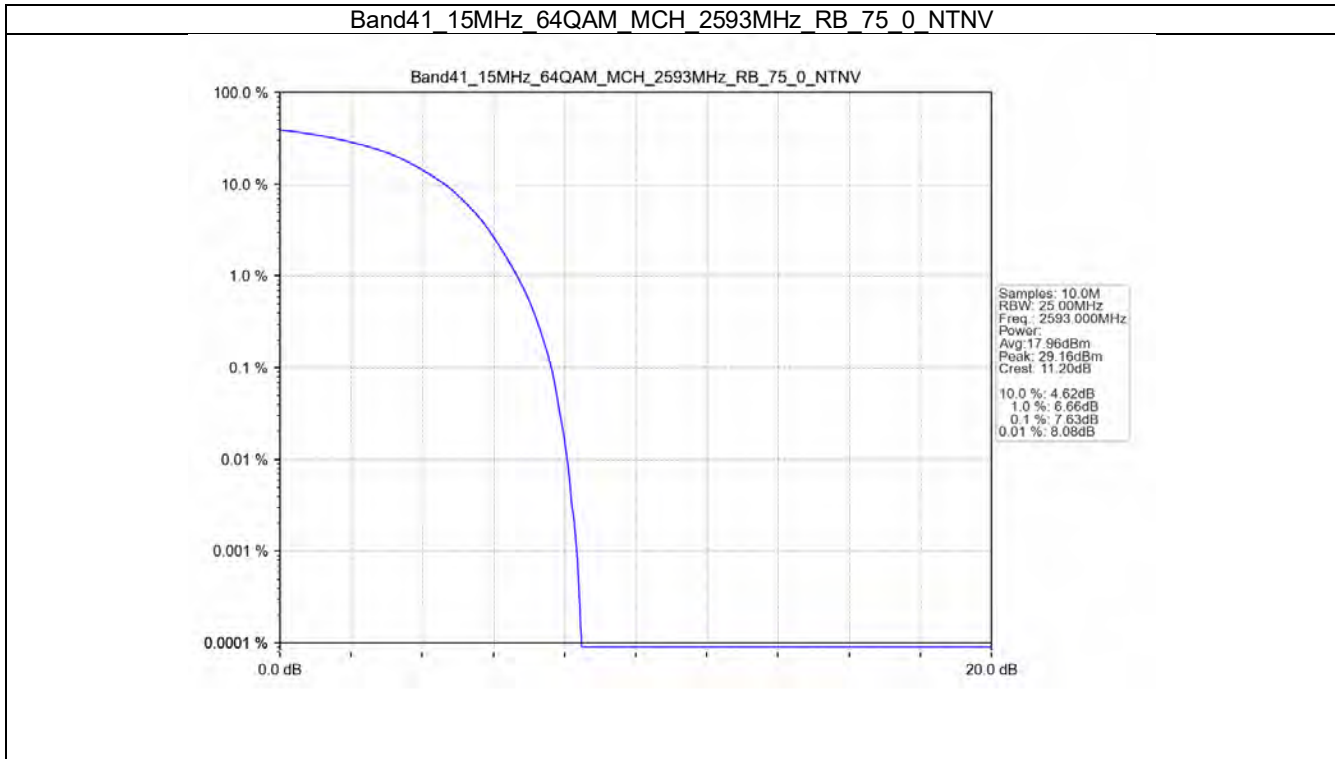
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Report No.: SZCR240200059401
Rev.: 01
Page: 124 of 298



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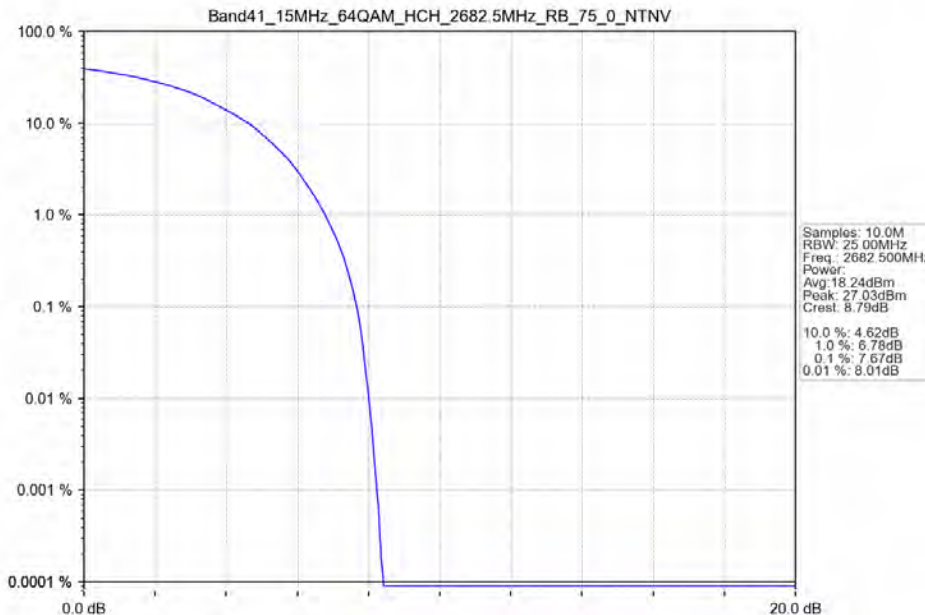
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Report No.: SZCR240200059401

Rev.: 01

Page: 125 of 298

Band41_15MHz_64QAM_HCH_2682.5MHz_RB_75_0_NTNV



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Report No.: SZCR240200059401
Rev.: 01
Page: 126 of 298

4.4 B41_20MHz

4.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2506	100	0	7.24	<=13	Pass
	2593	100	0	6.75	<=13	Pass
	2680	100	0	6.86	<=13	Pass
16QAM	2506	100	0	8.16	<=13	Pass
	2593	100	0	8.10	<=13	Pass
	2680	100	0	7.70	<=13	Pass
64QAM	2506	100	0	7.91	<=13	Pass
	2593	100	0	7.61	<=13	Pass
	2680	100	0	7.70	<=13	Pass



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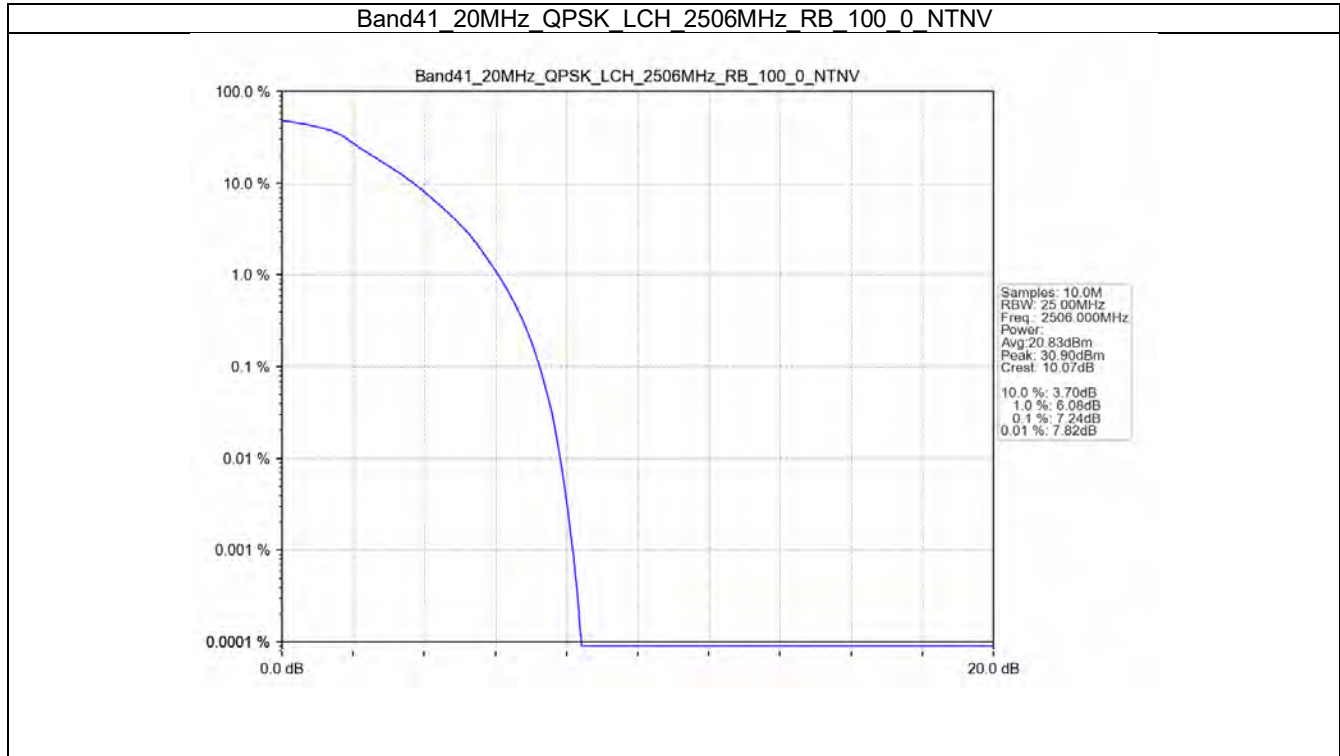
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 Page: 127 of 298

4.4.2 Test Graph



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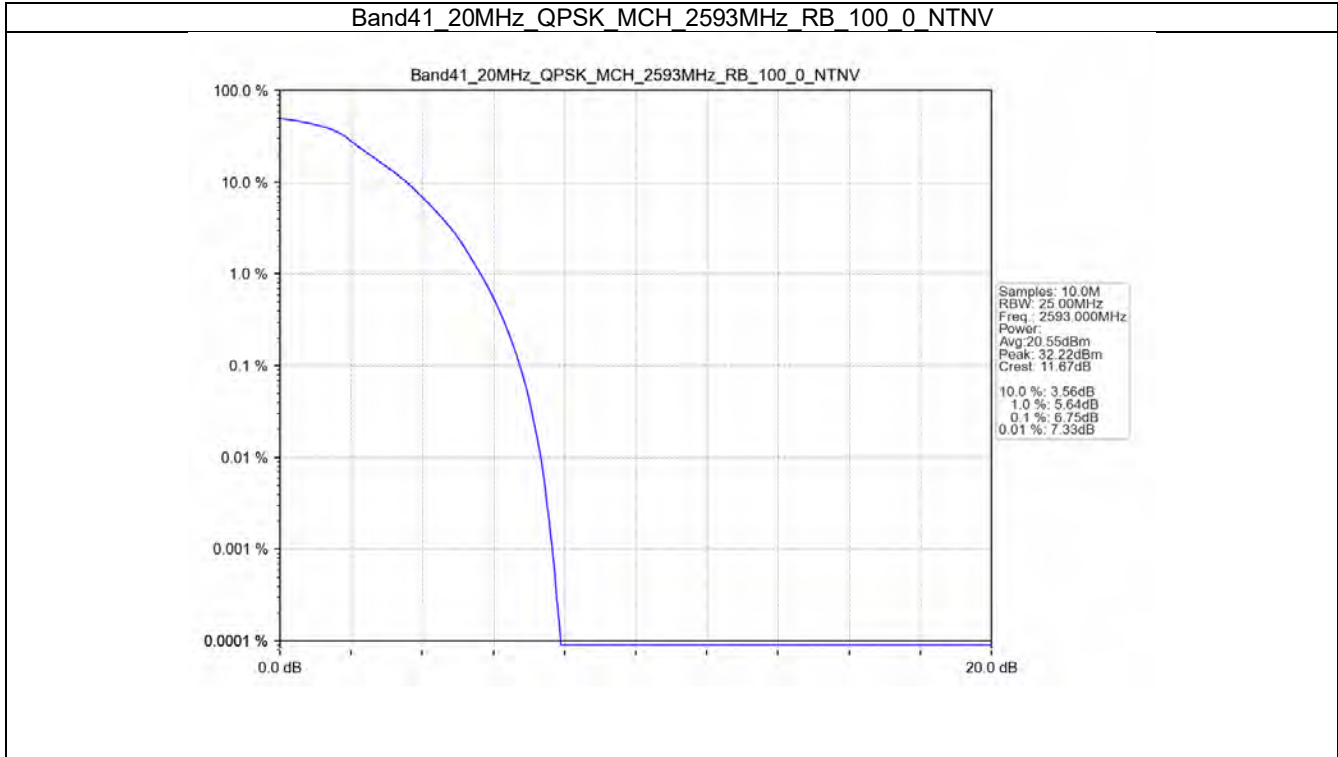
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 Page: 128 of 298



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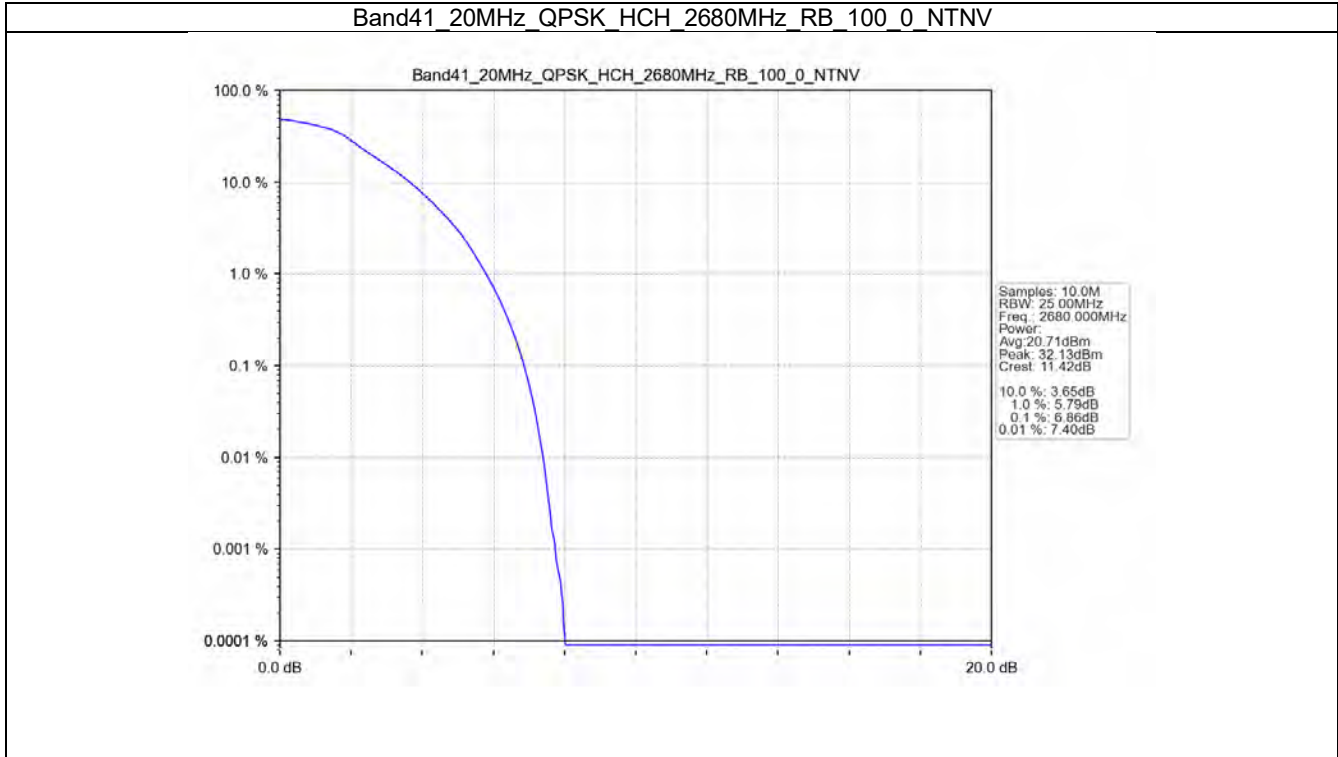
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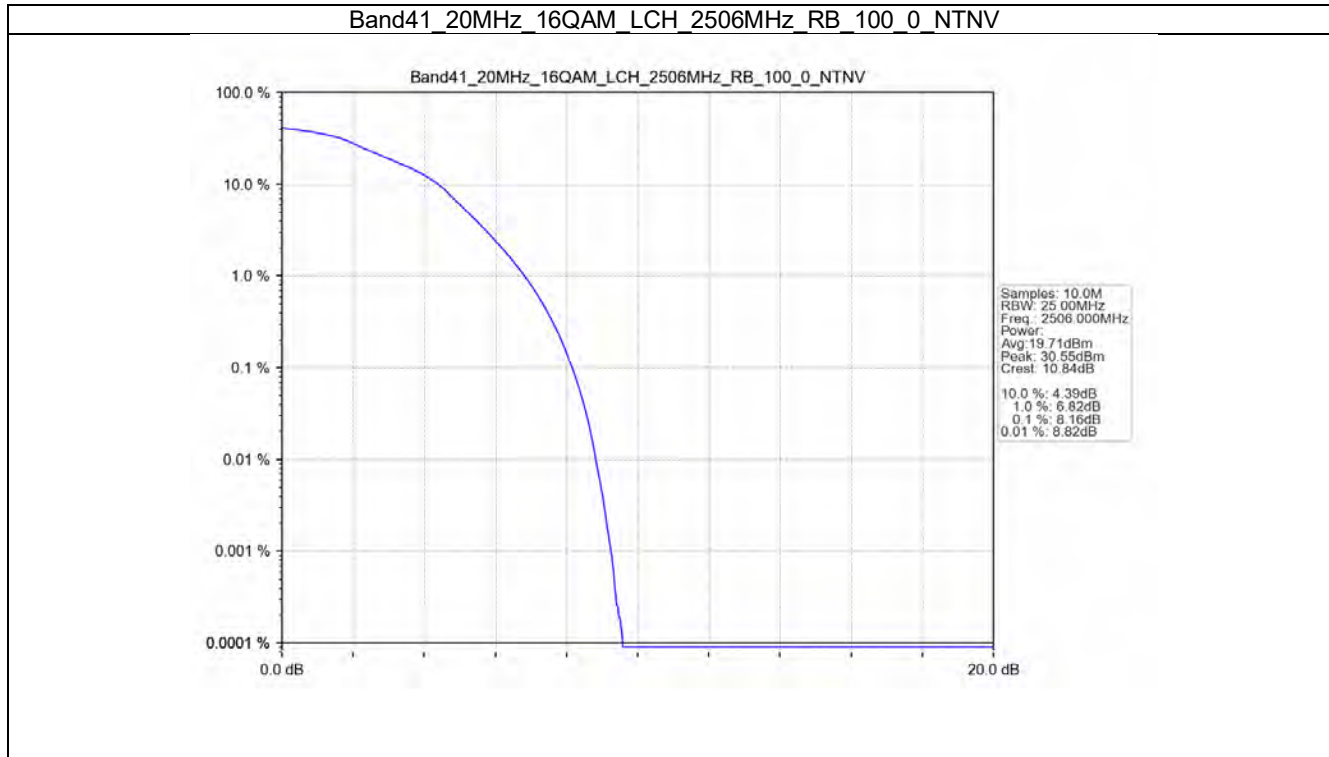


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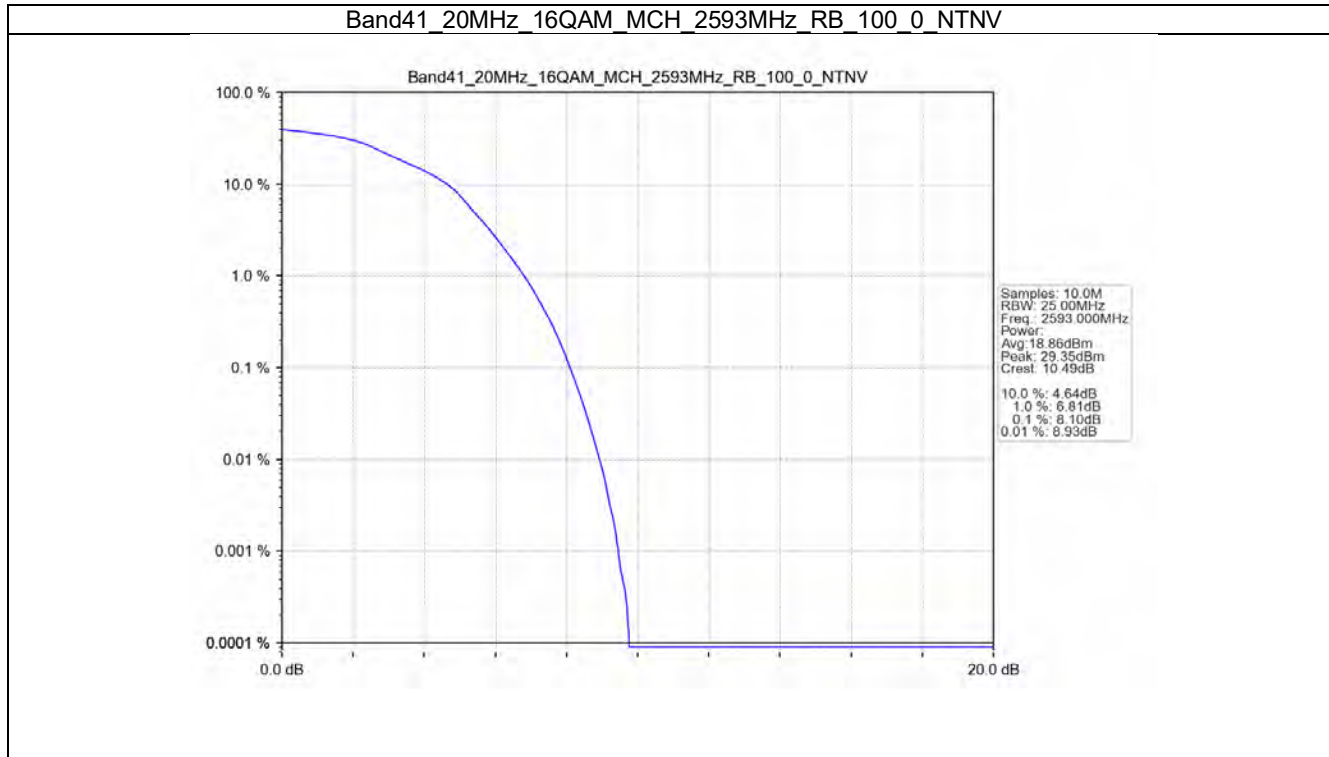


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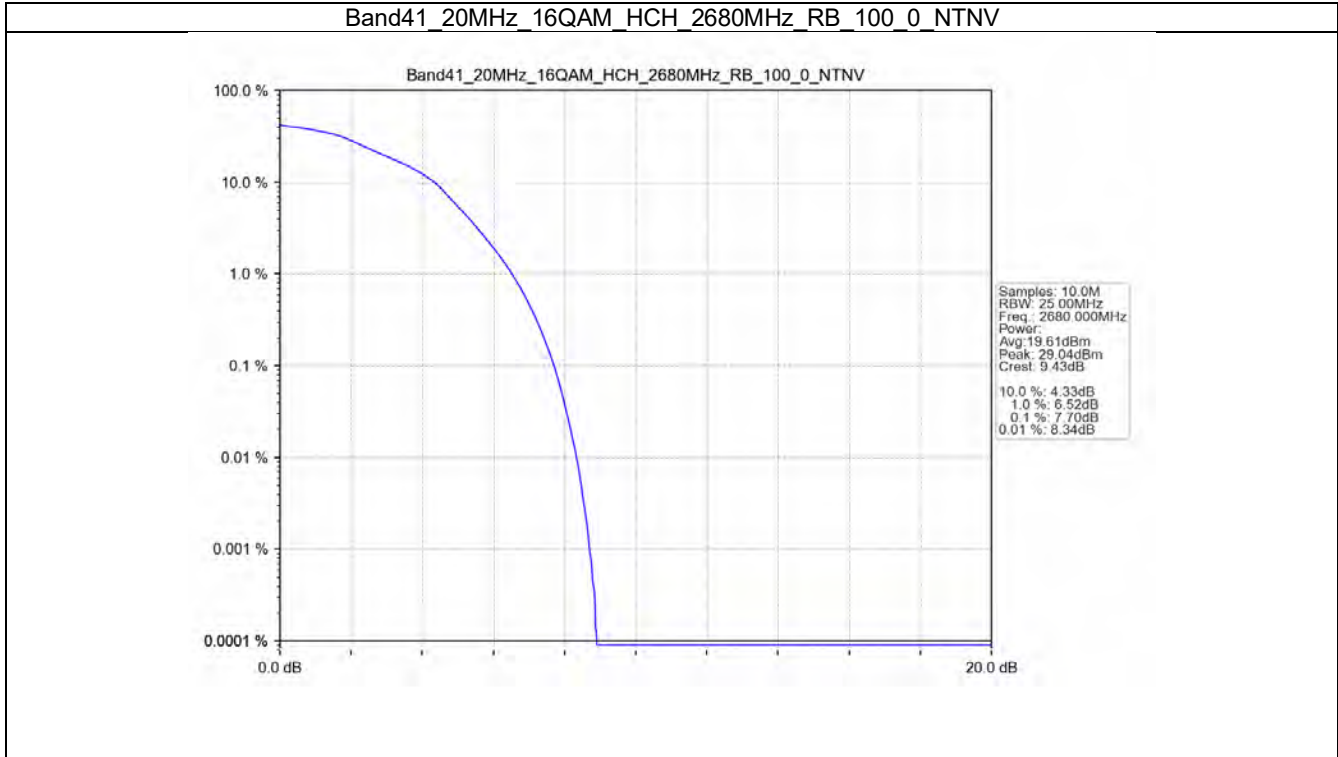
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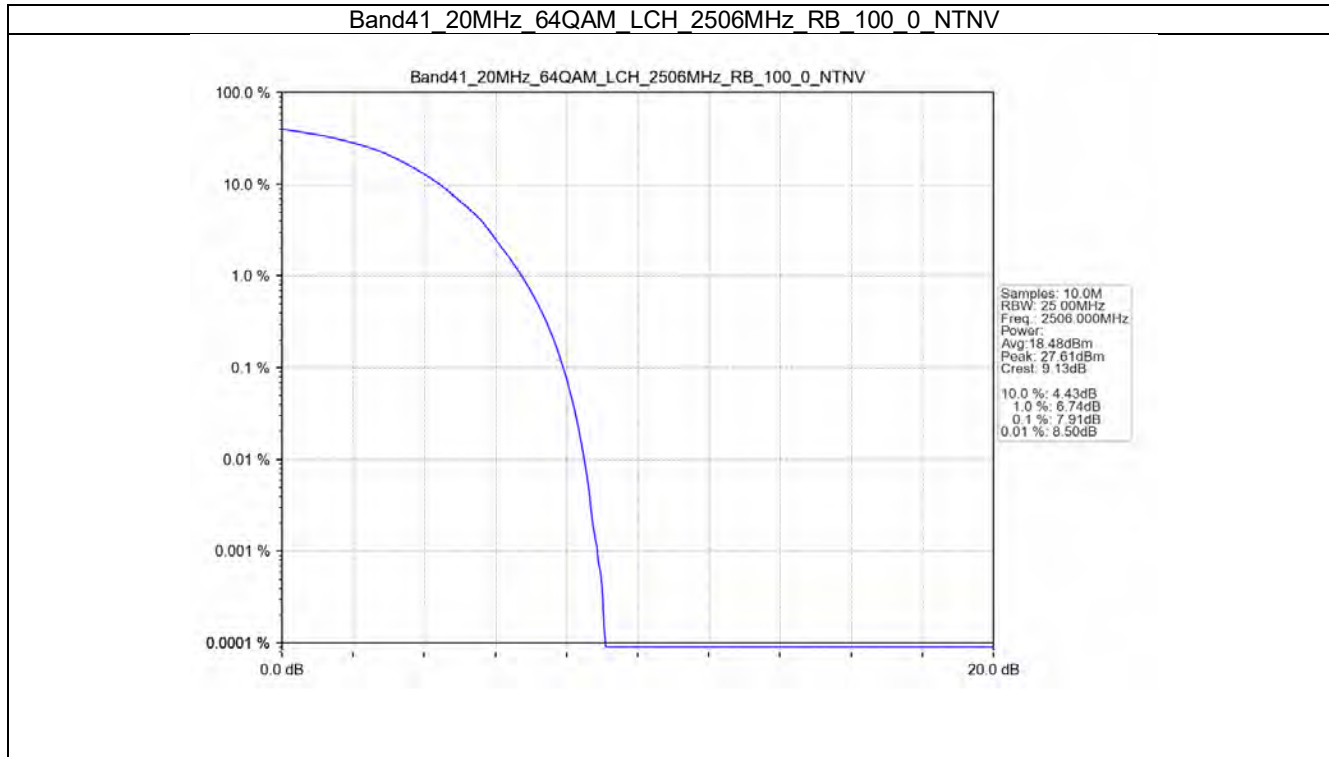


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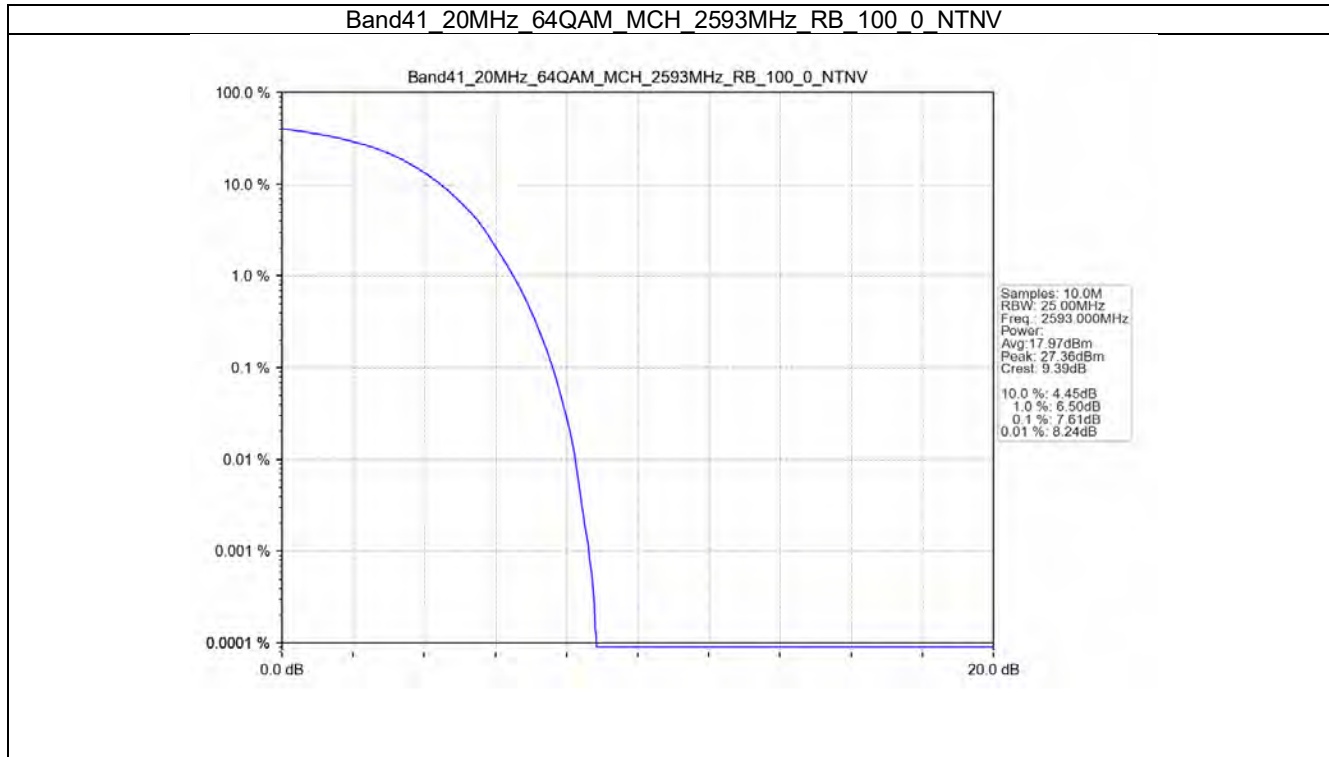


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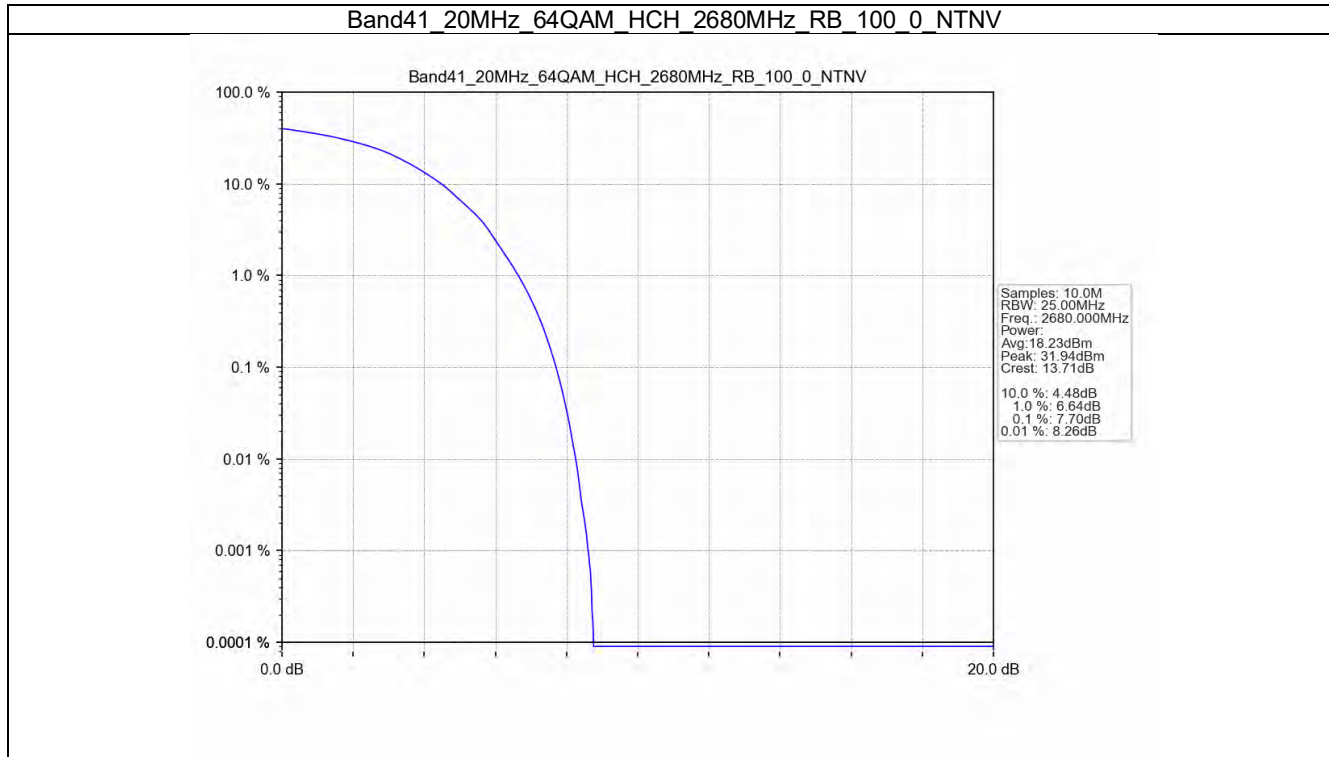


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Report No.: SZCR240200059401

Rev.: 01

Page: 136 of 298

5. Spurious Emission & Band Edge

5.1 B41_5MHz

5.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	2593	1	0	Refer To Test Graph	Pass	
	2687.5	1	0	Refer To Test Graph	Pass	
		25	24	Refer To Test Graph	Pass	
16QAM	2498.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	2593	1	0	Refer To Test Graph	Pass	
	2687.5	1	0	Refer To Test Graph	Pass	
		25	24	Refer To Test Graph	Pass	
64QAM	2498.5	1	0	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	
	2593	1	0	Refer To Test Graph	Pass	
	2687.5	1	0	Refer To Test Graph	Pass	
		25	24	Refer To Test Graph	Pass	
		25	0	Refer To Test Graph	Pass	



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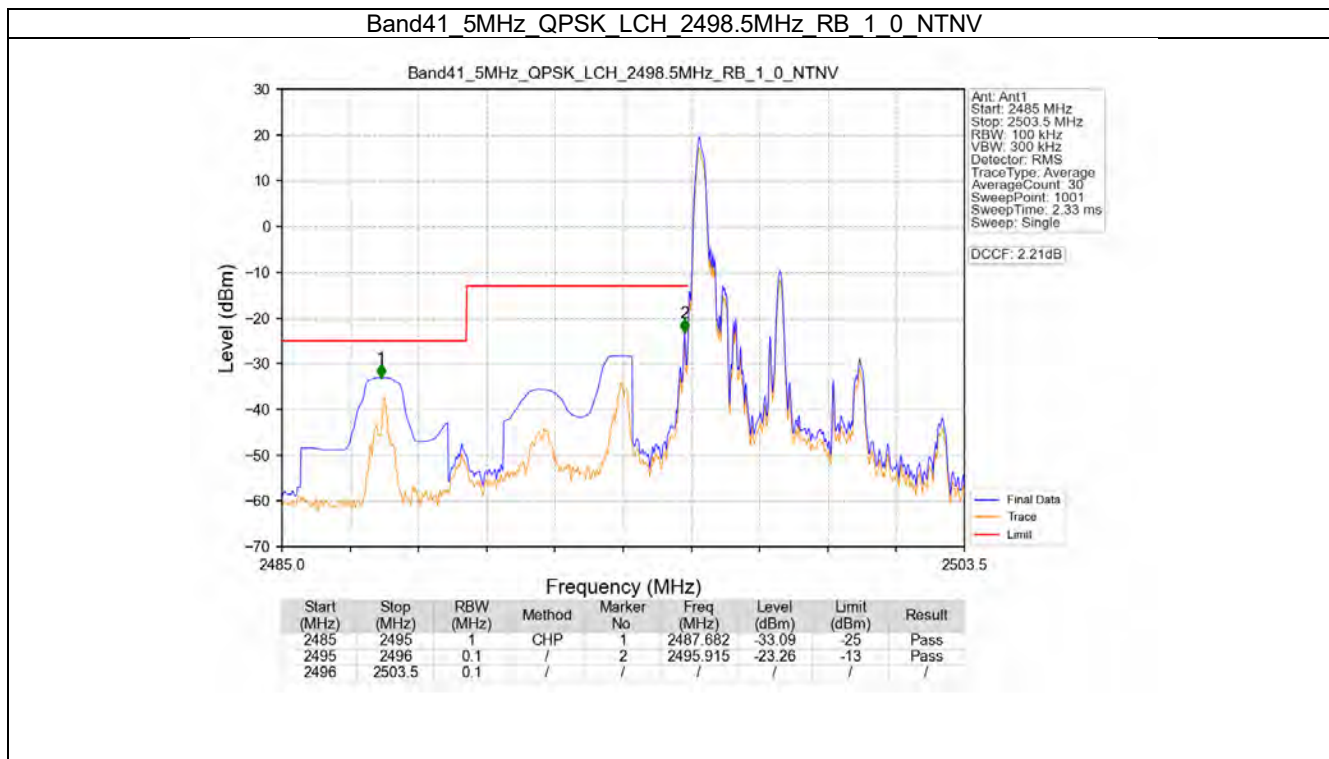
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Report No.: SZCR240200059401

Rev.: 01

Page: 137 of 298

5.1.2 Test Graph



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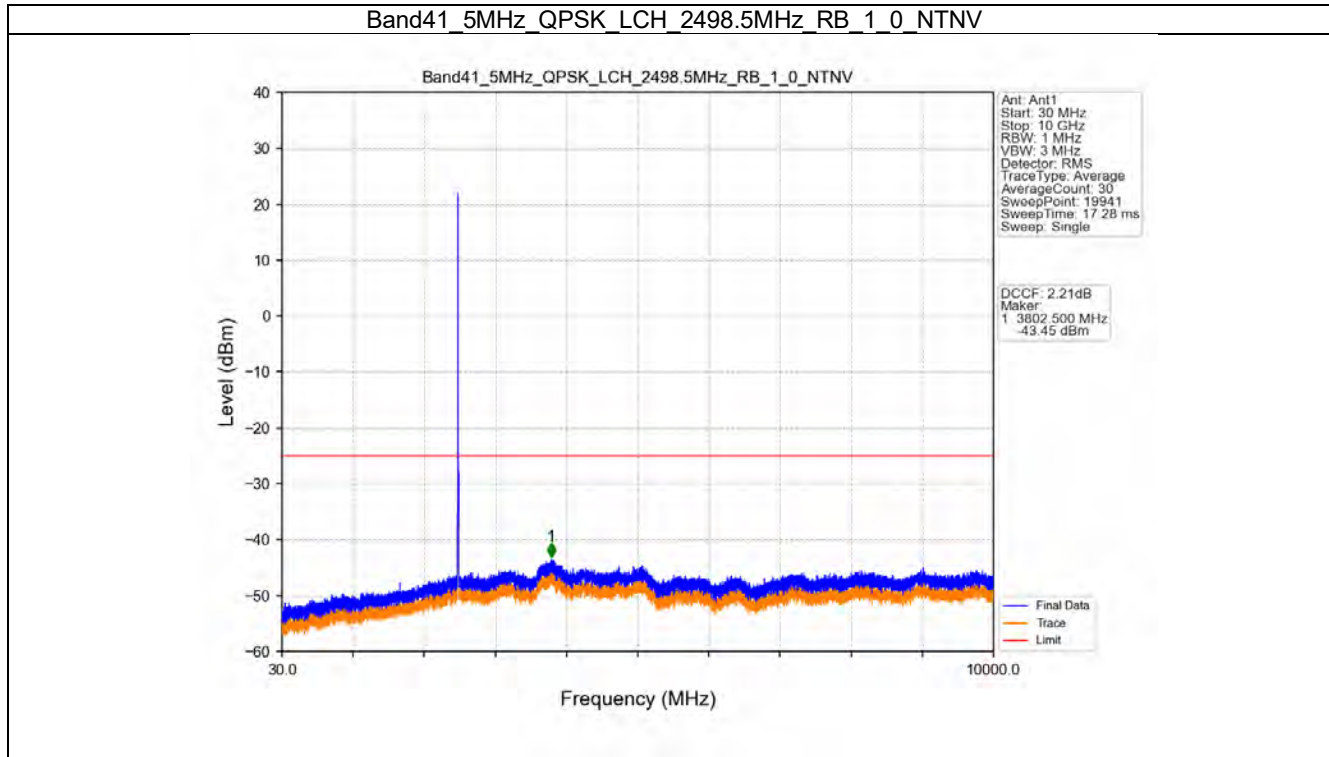
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Rev.: 01
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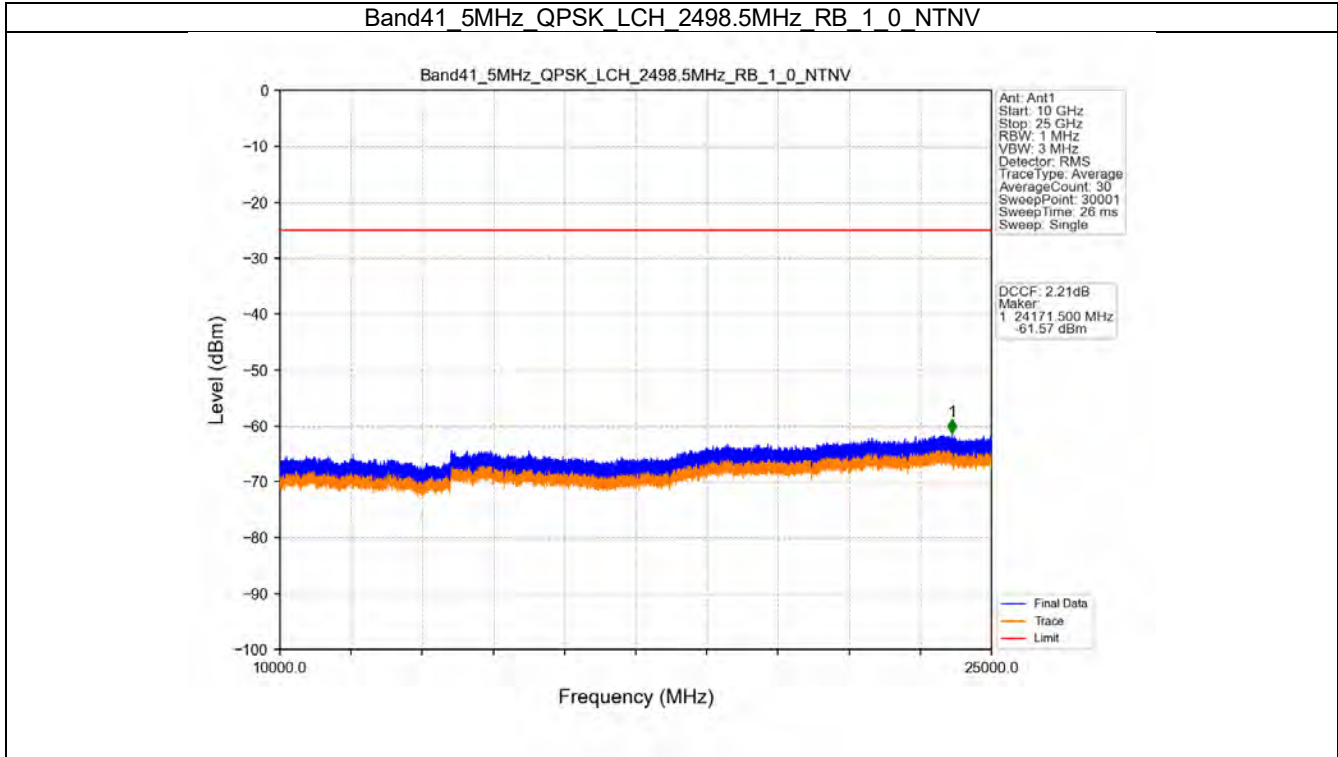
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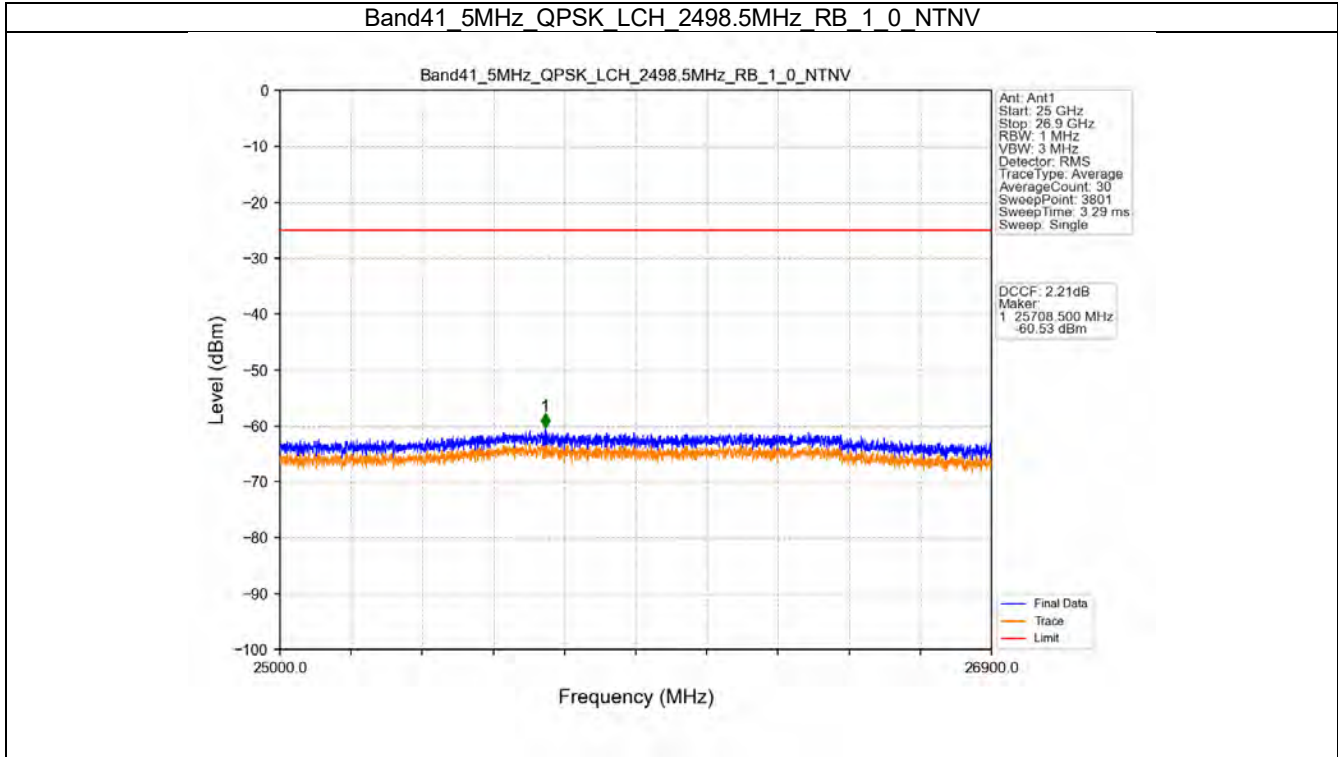
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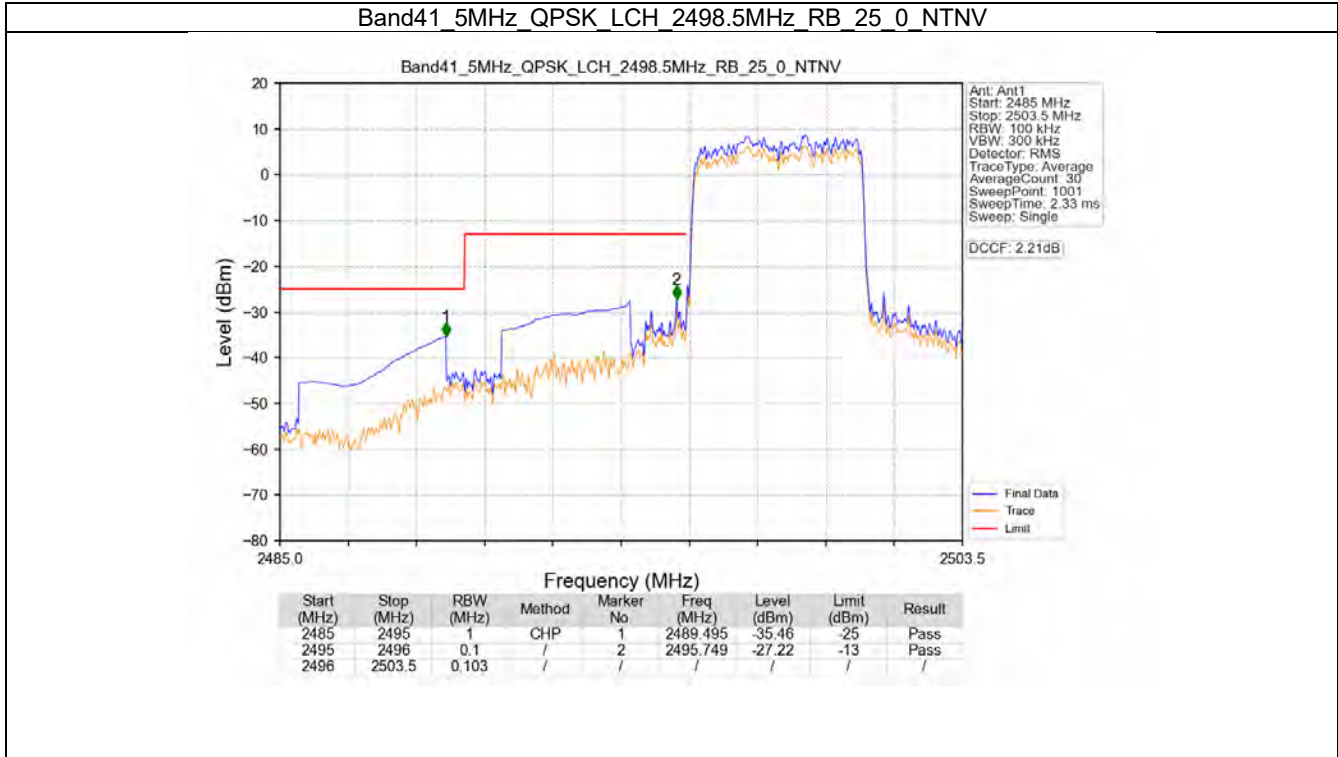
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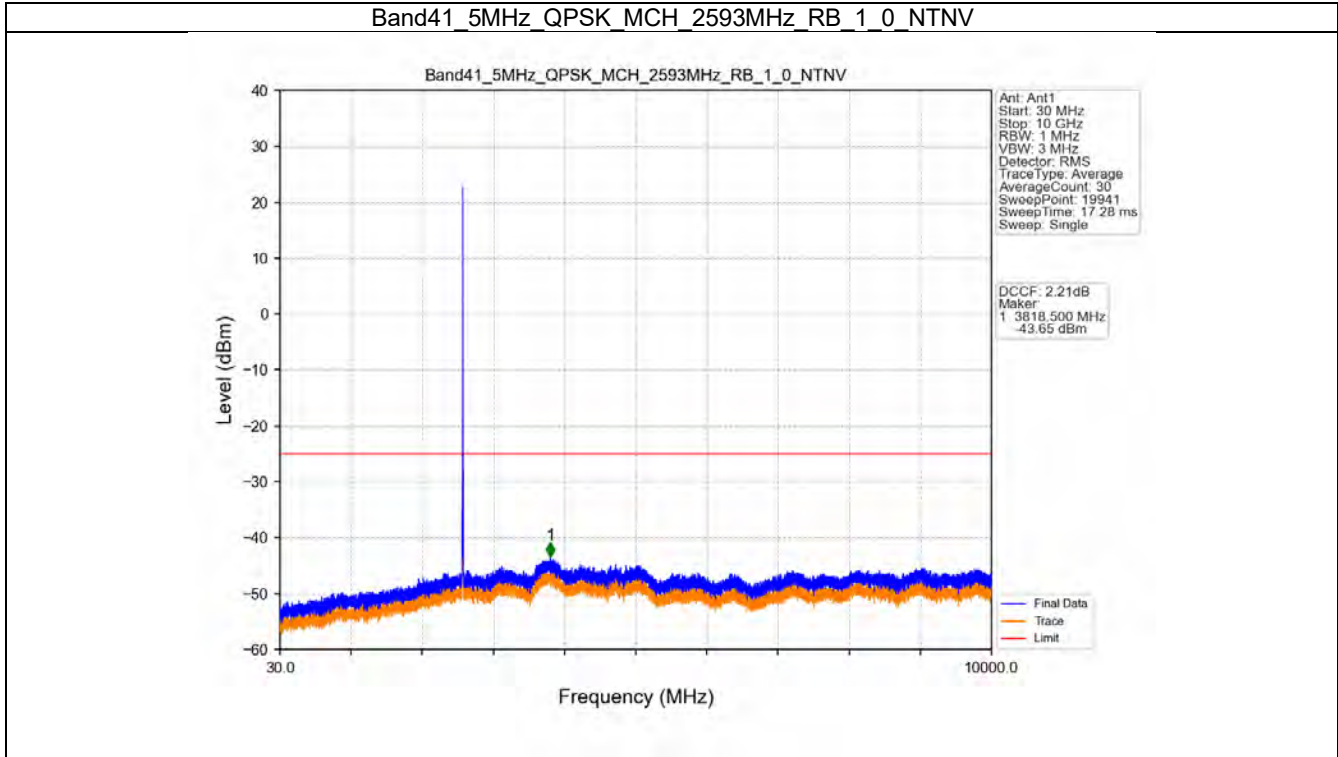
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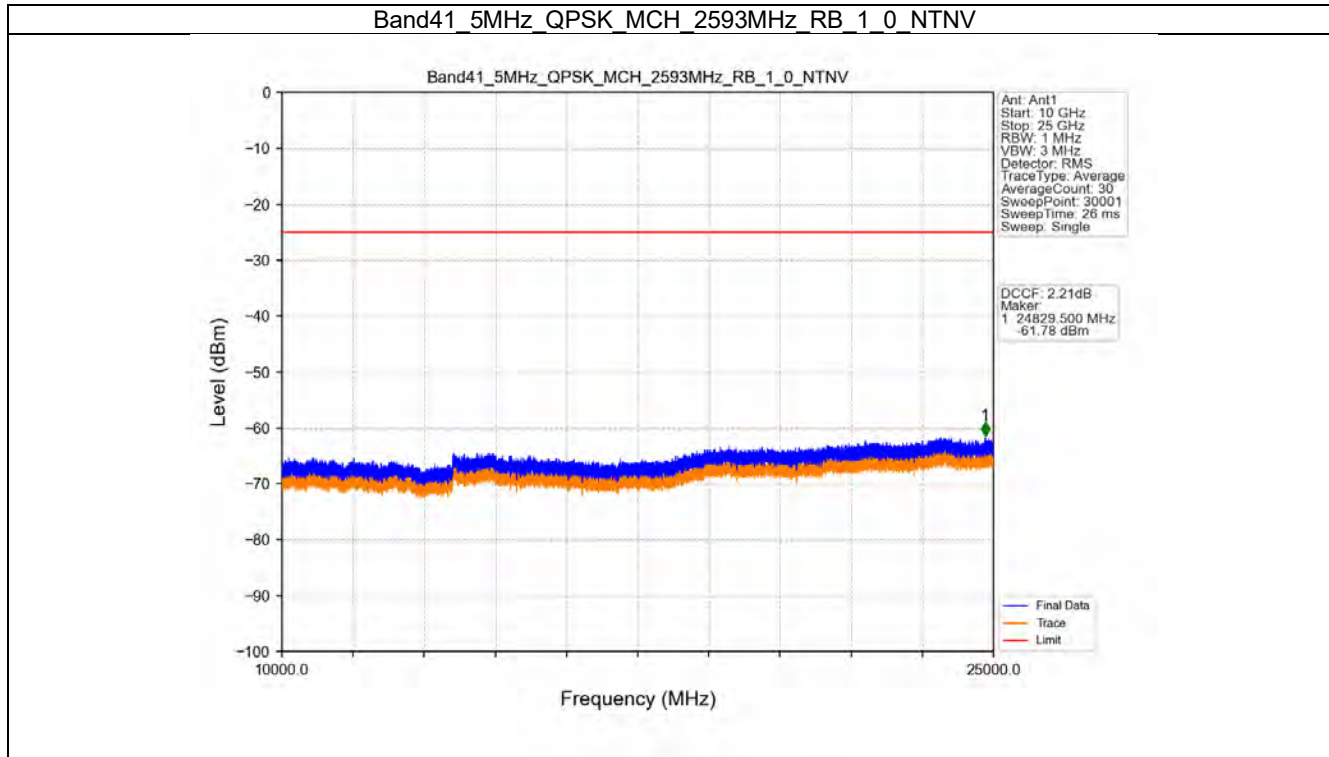
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Rev.: 01
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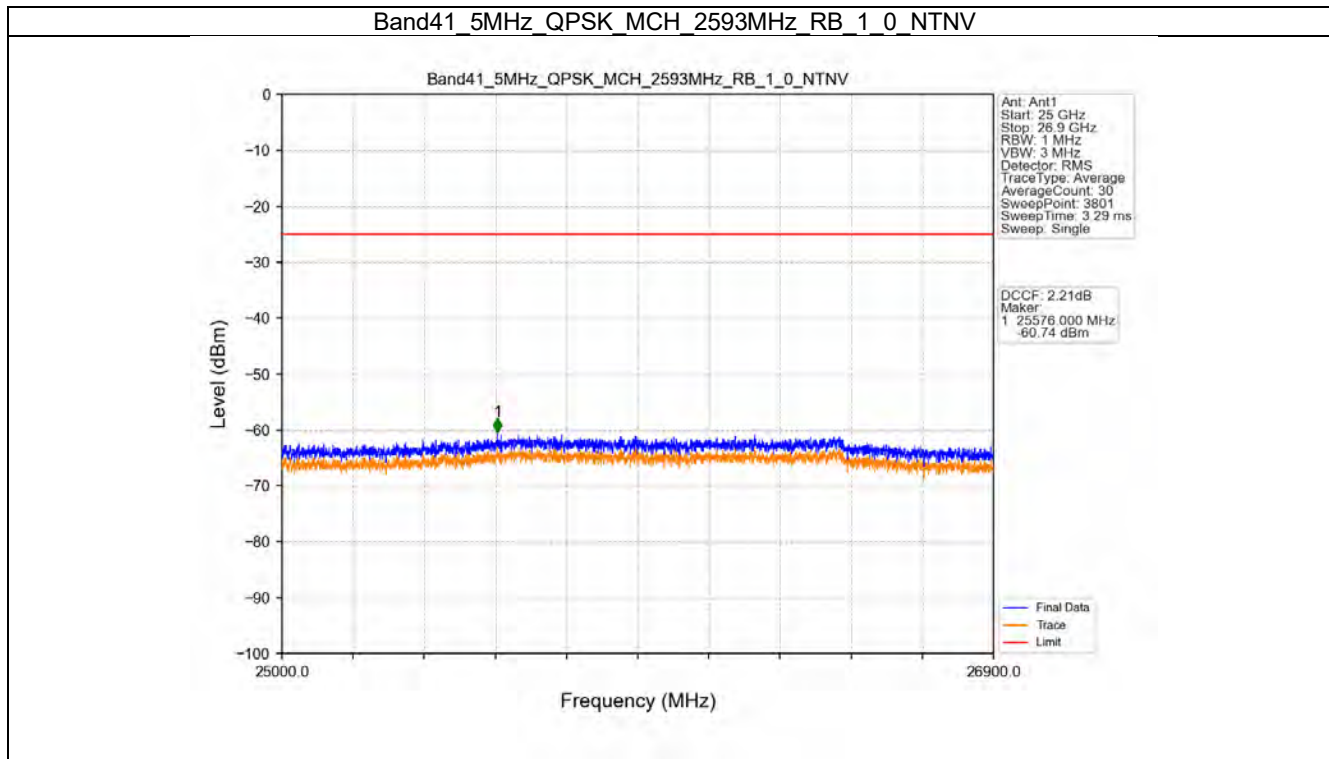


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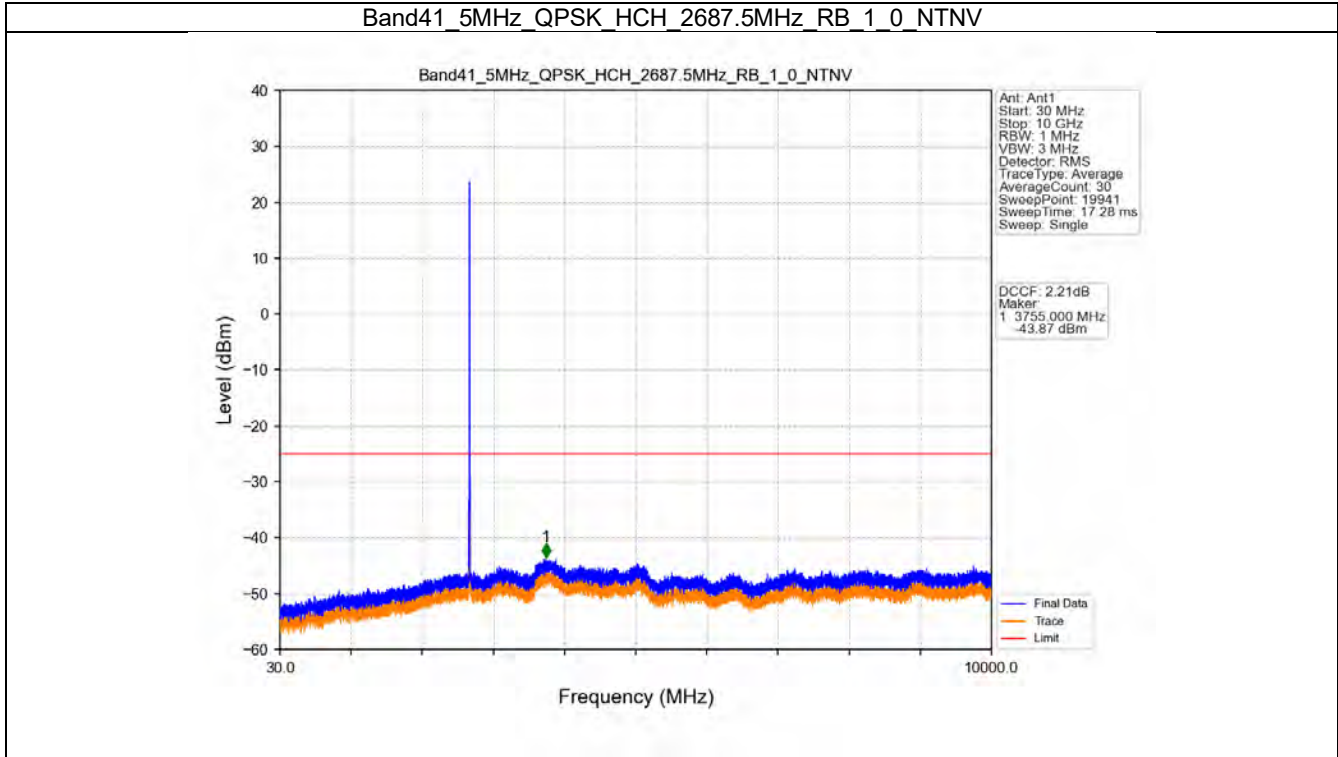
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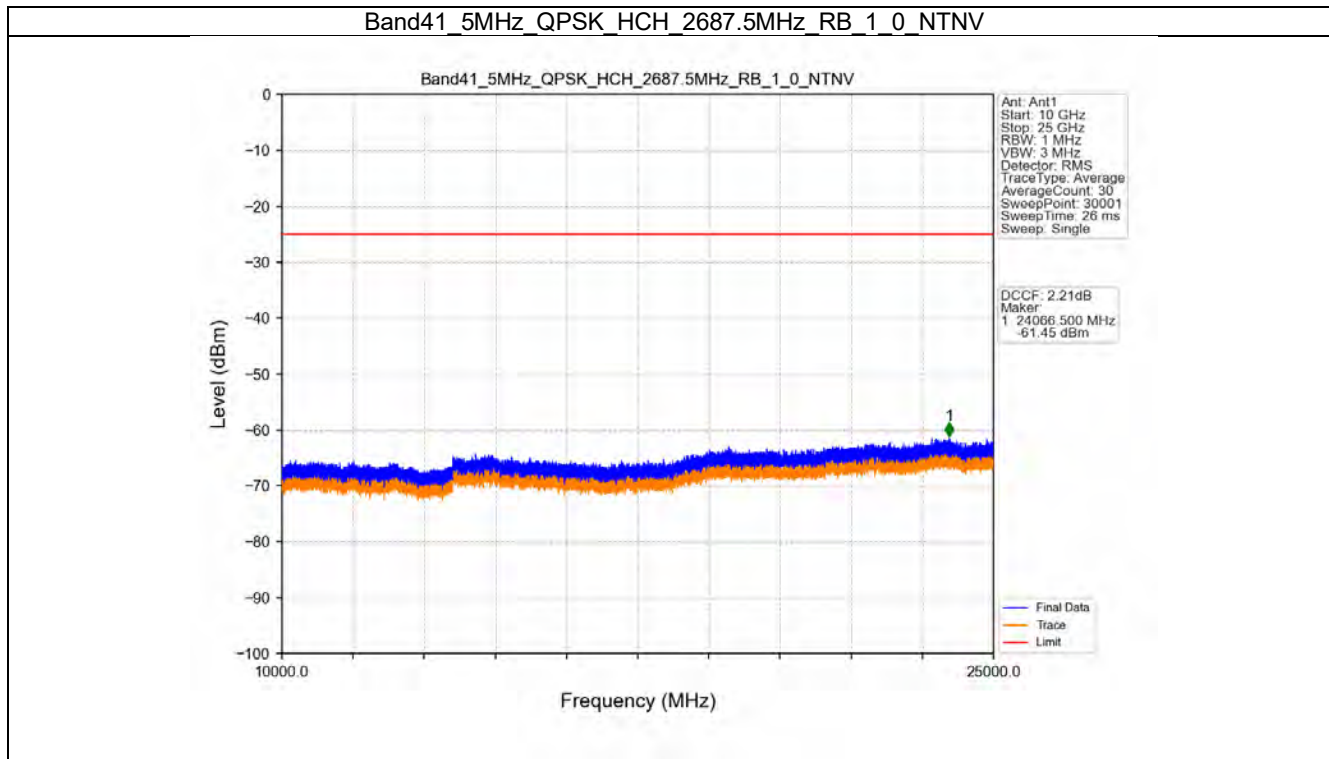


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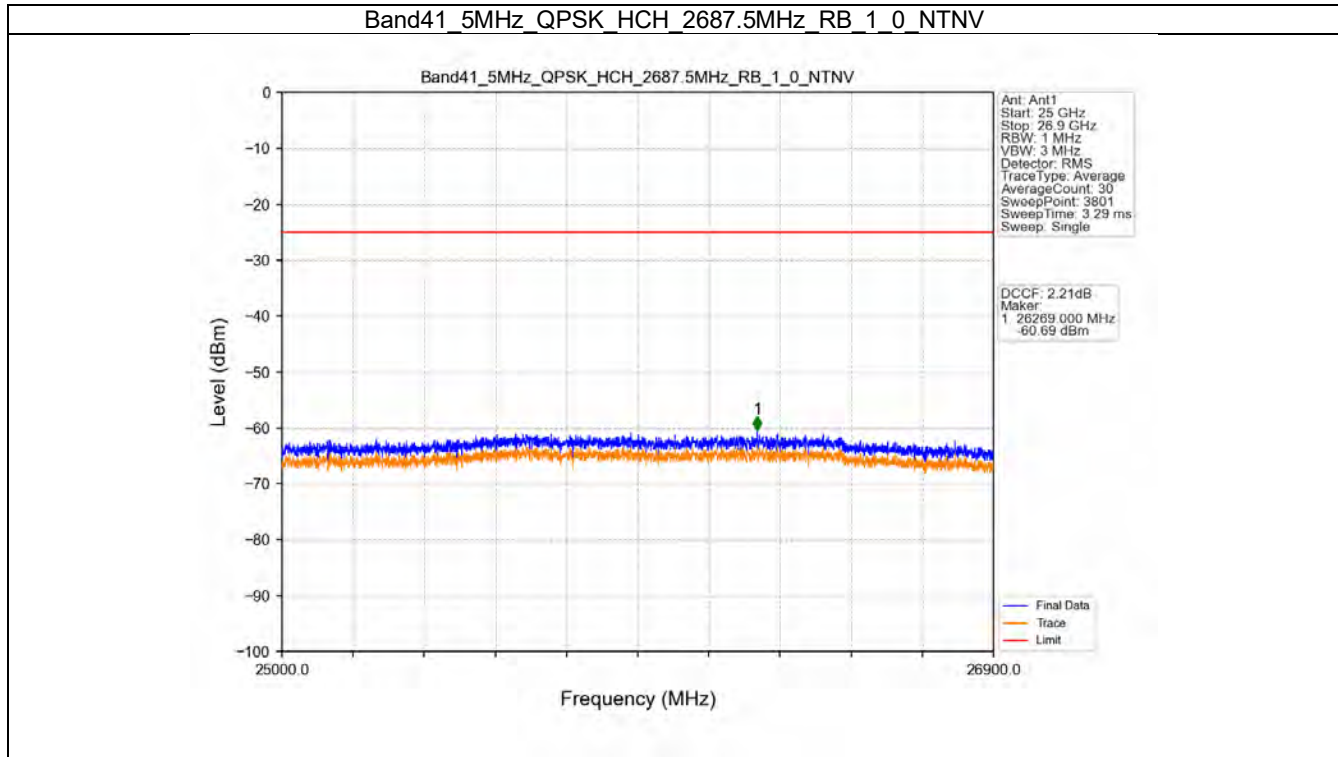


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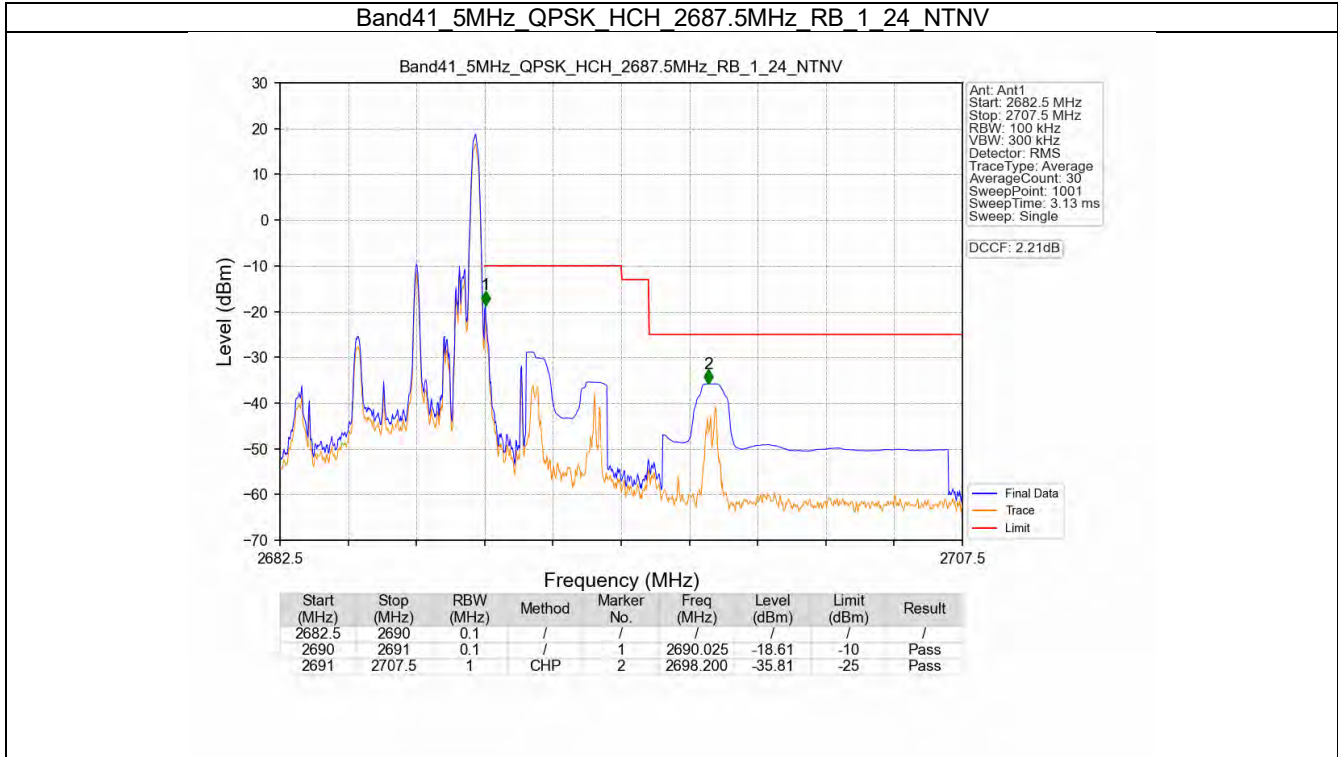
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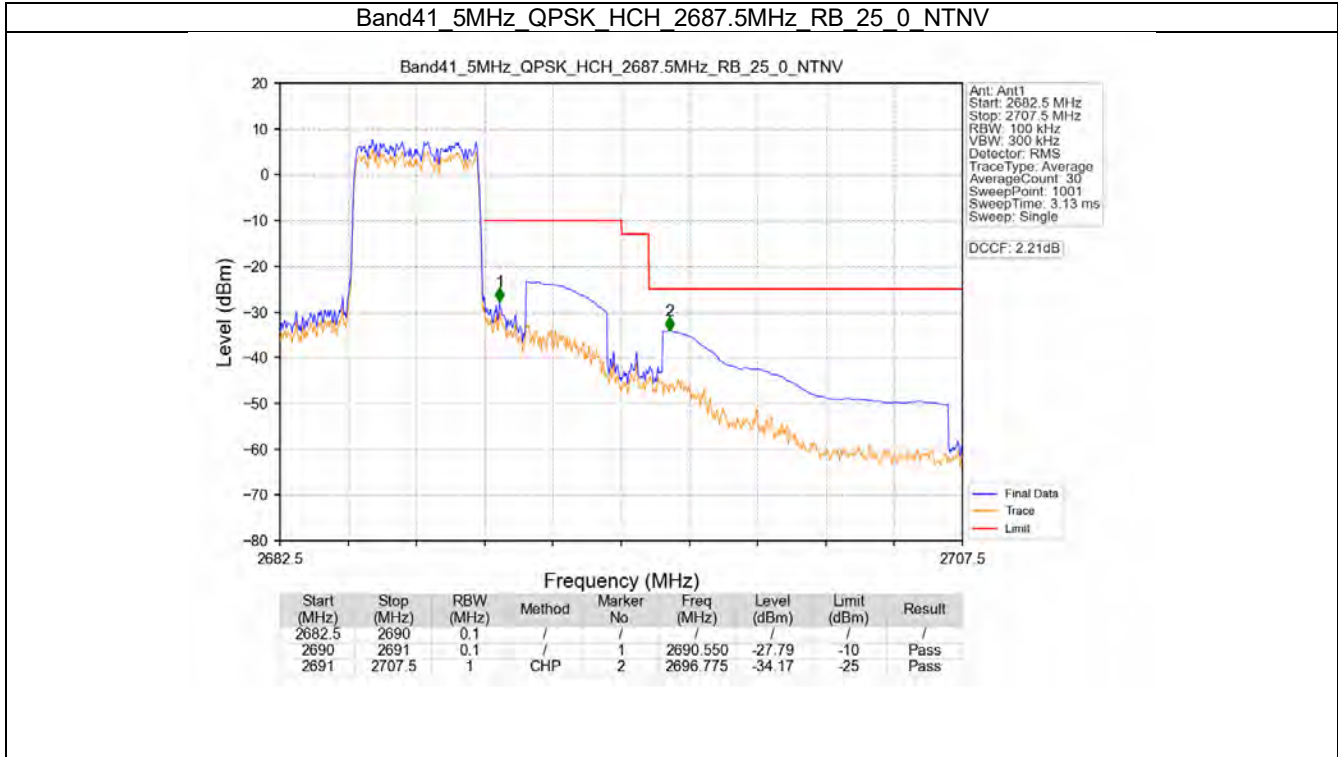
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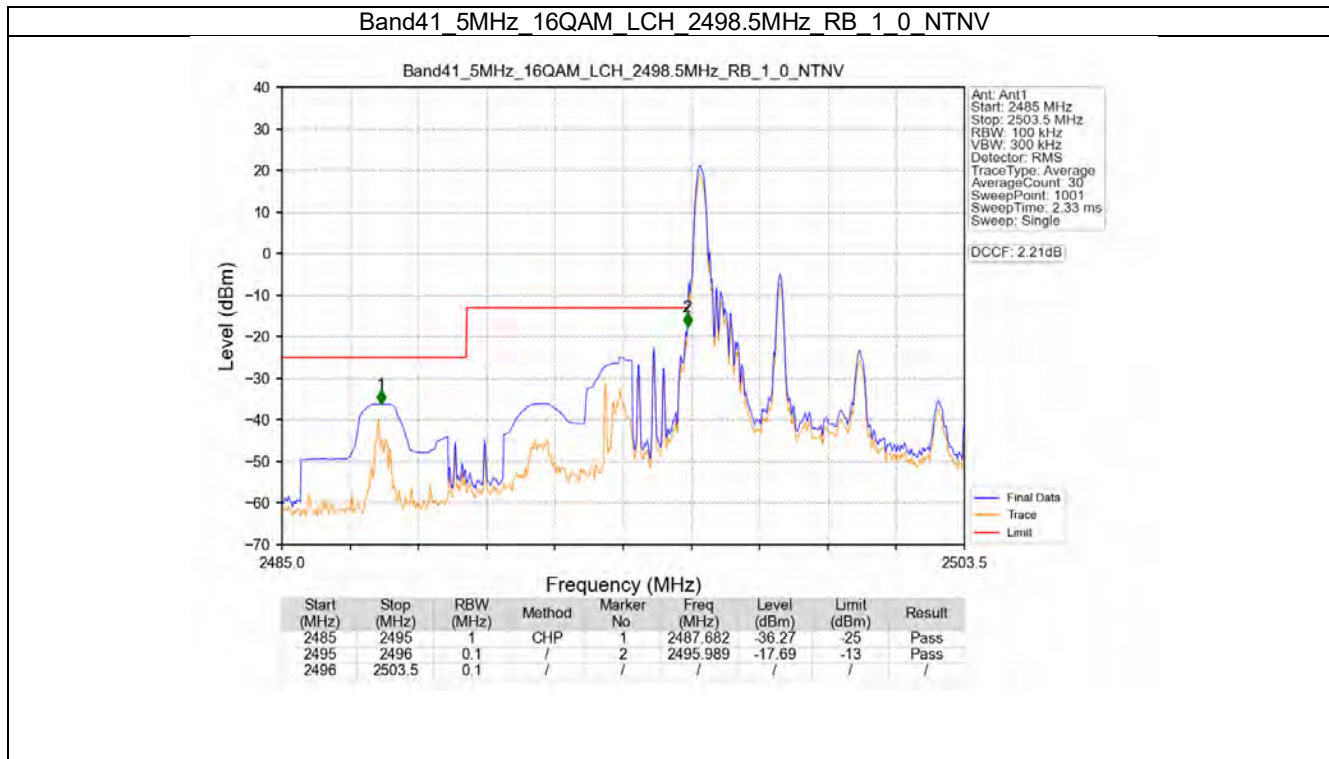


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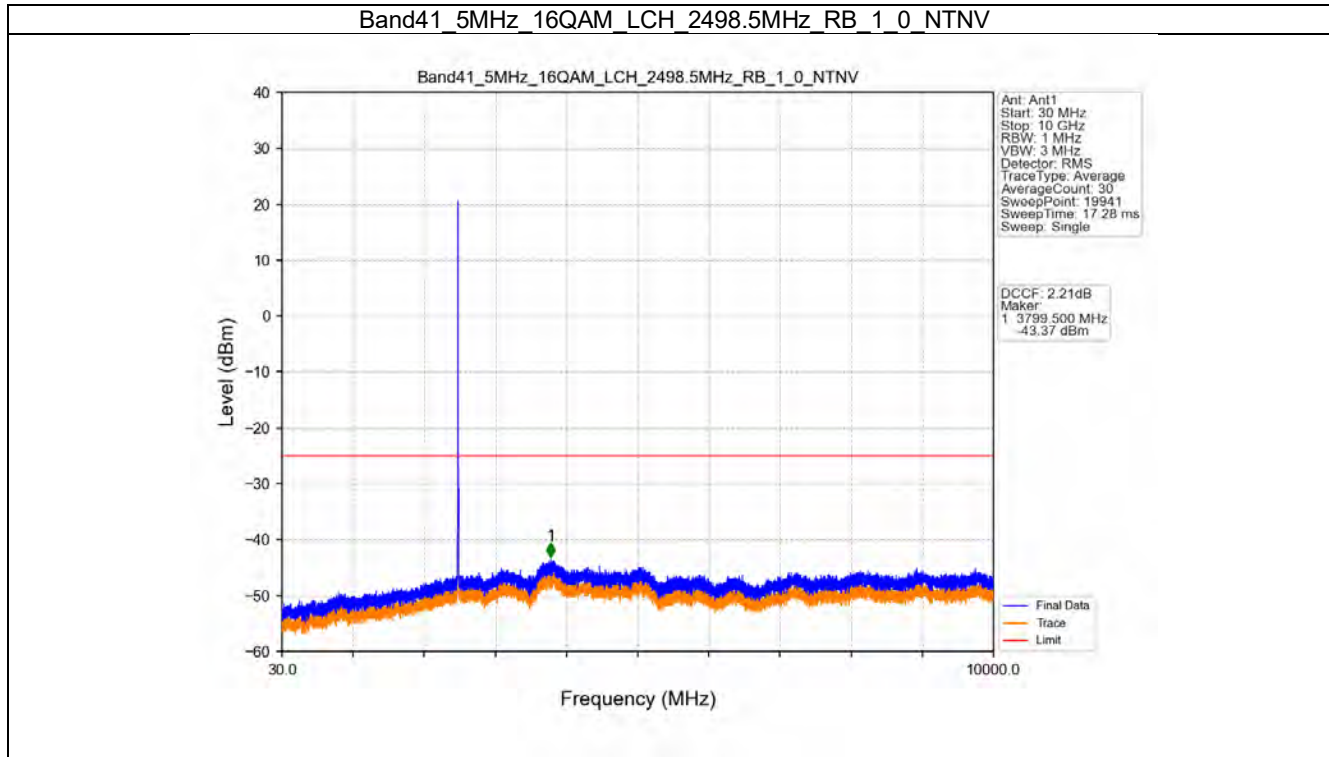
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Rev.: 01
Page: 151 of 298



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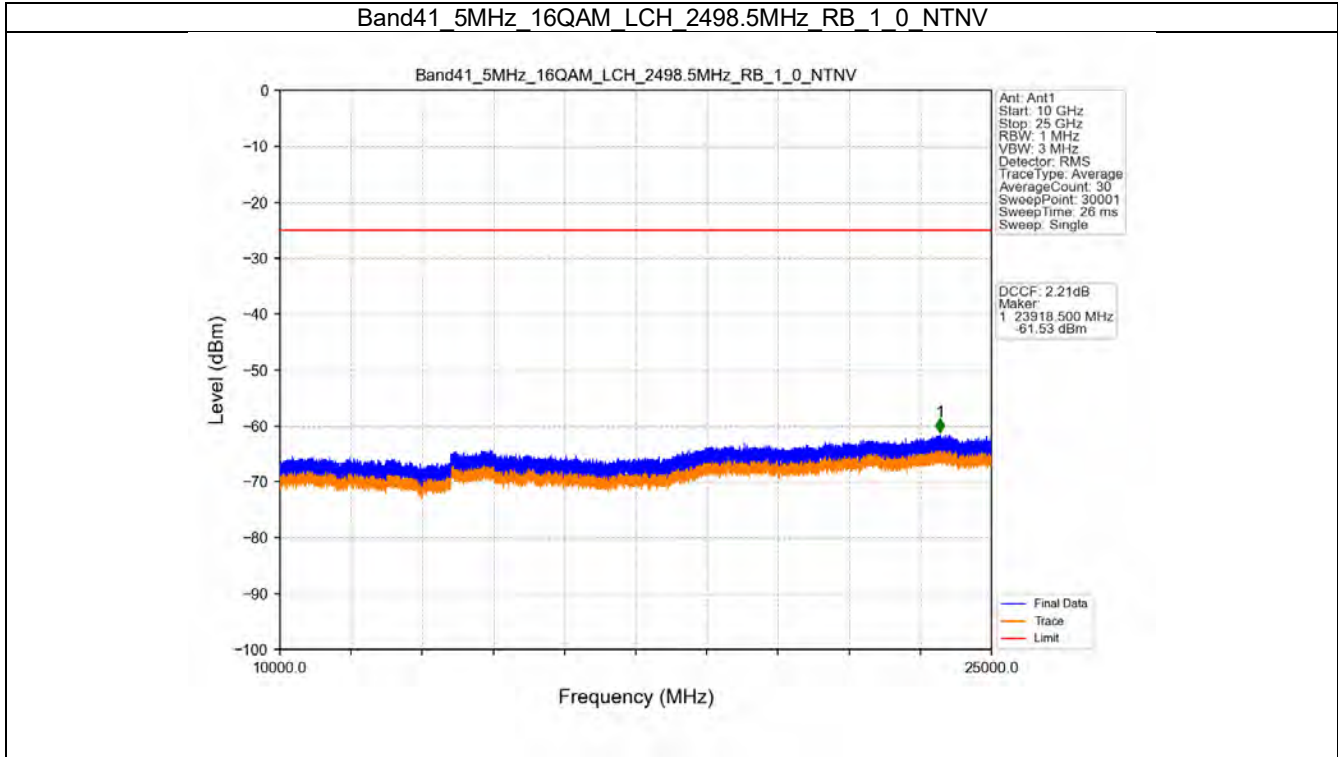
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 152 of 298



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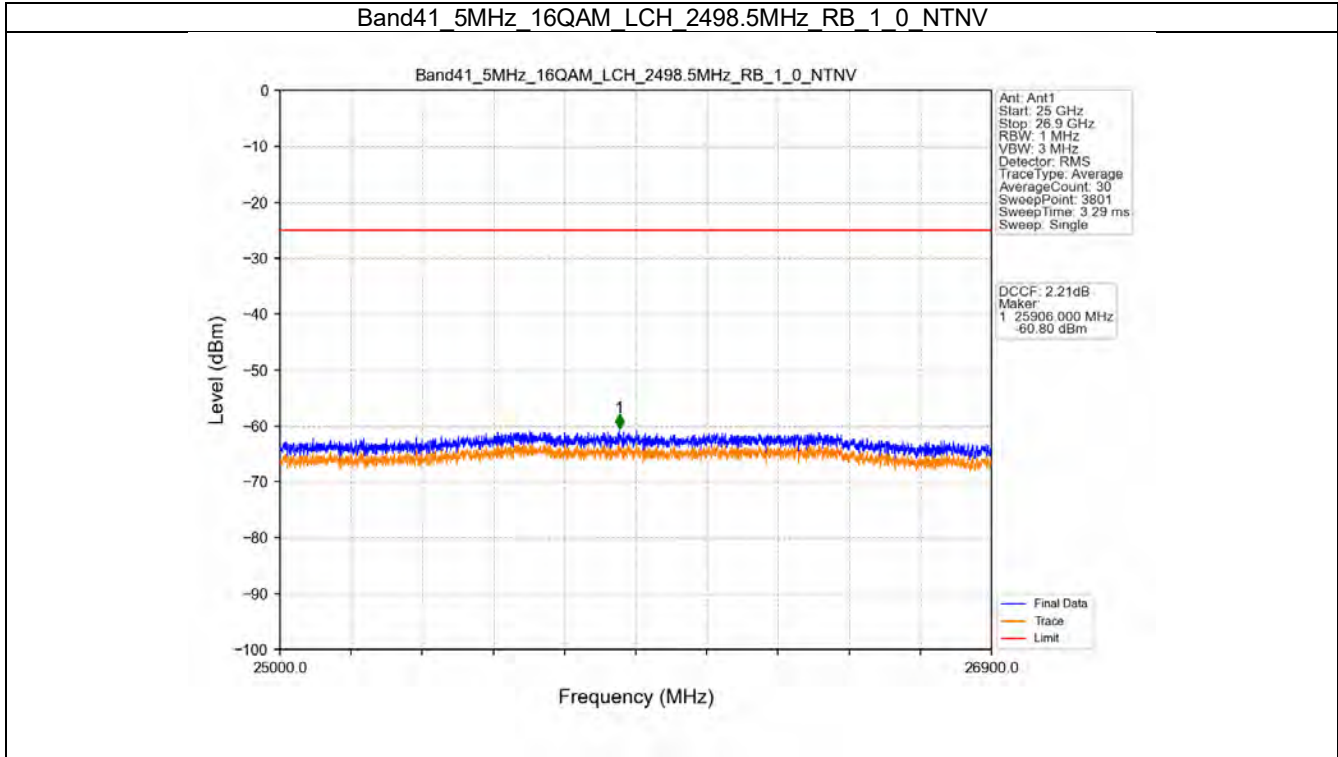
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 Rev.: 01
 Page: 153 of 298



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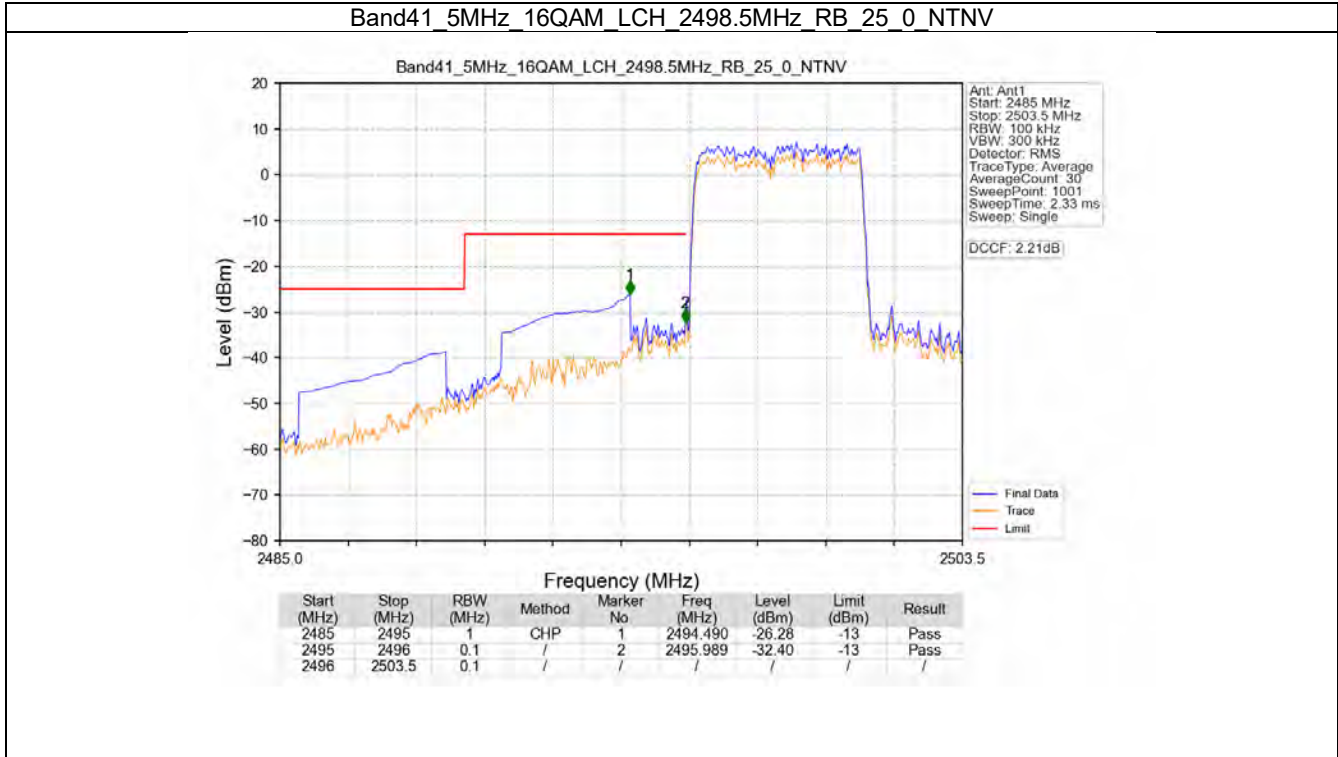
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Report No.: SZCR240200059401
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 Page: 154 of 298



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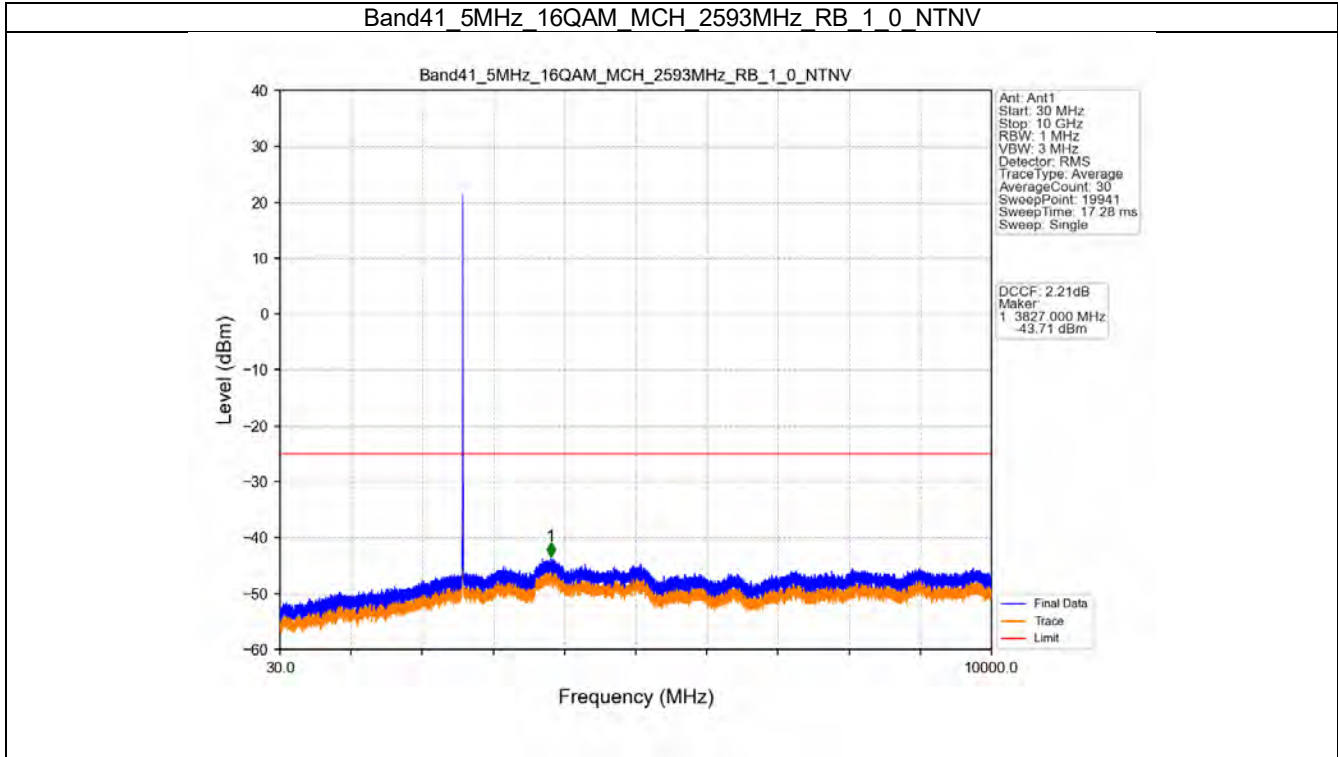
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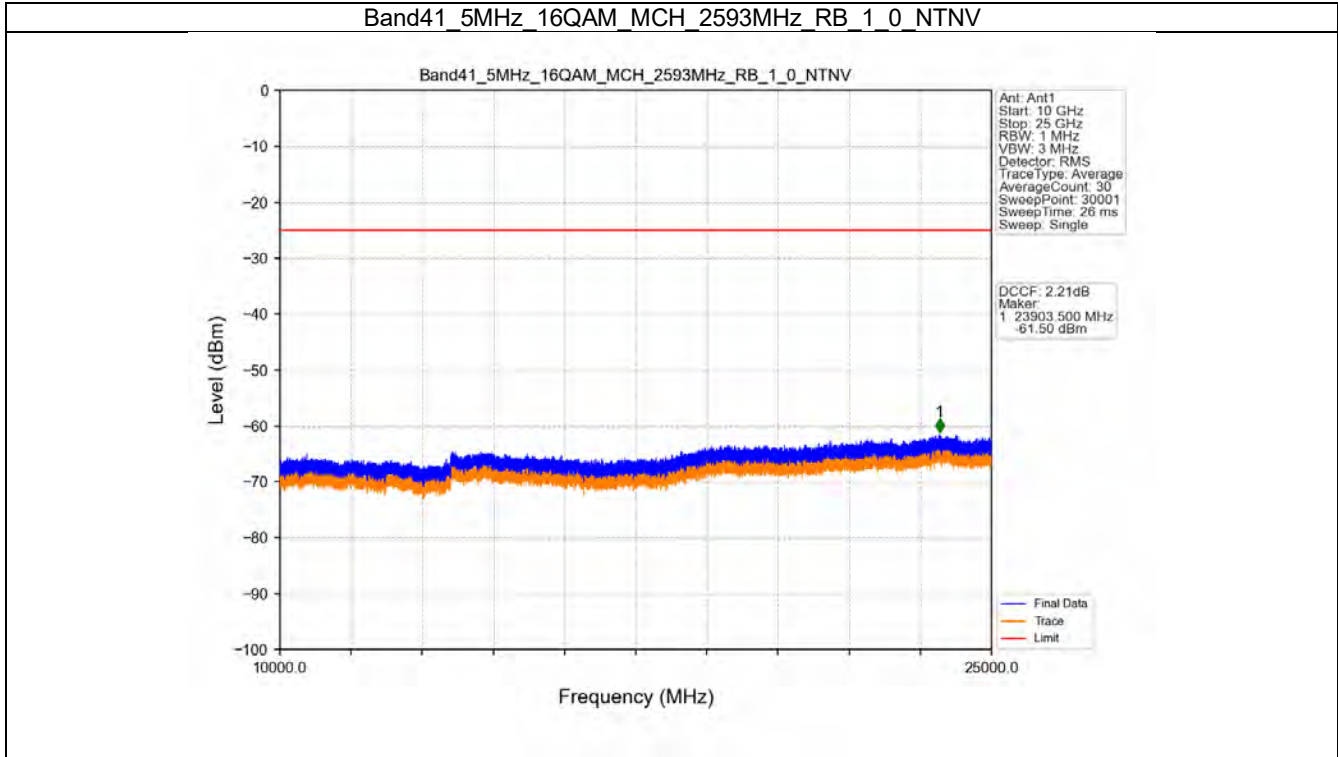
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Report No.: SZCR240200059401
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 Page: 156 of 298



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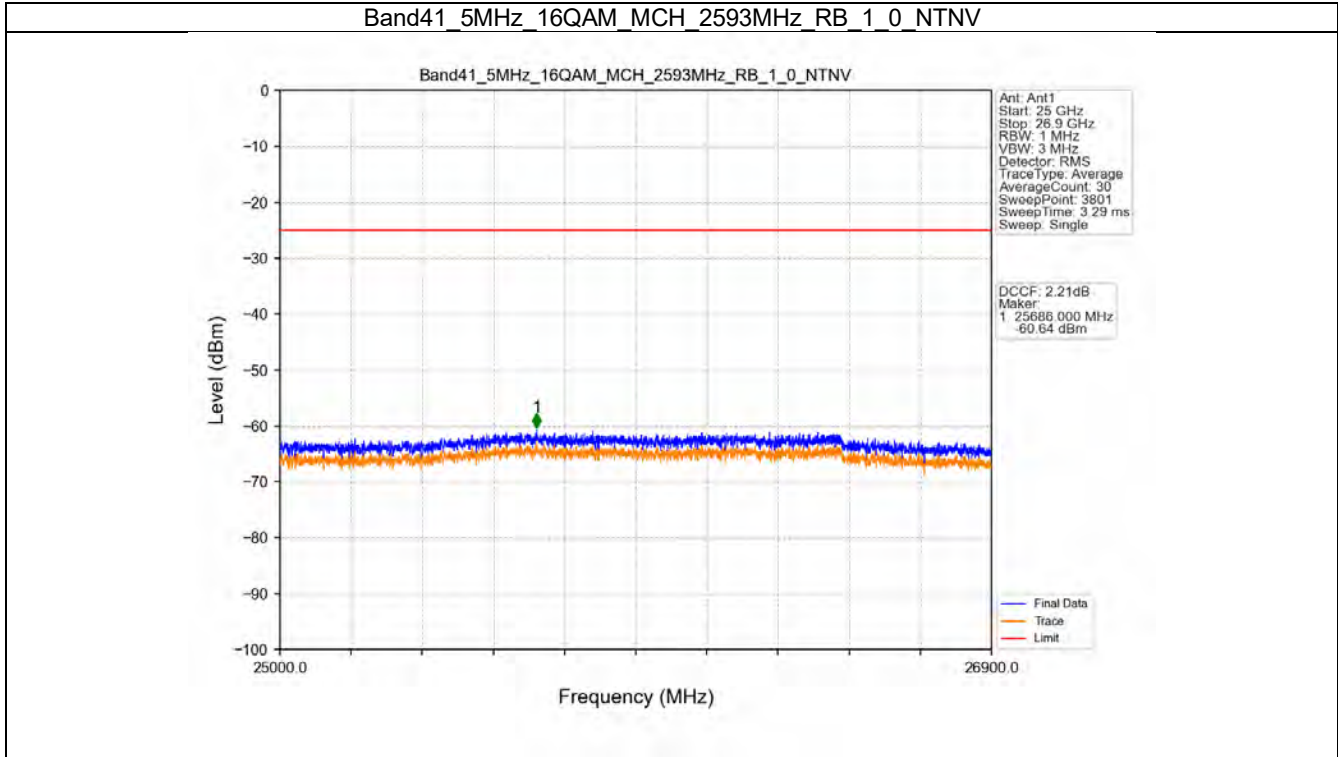
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 157 of 298



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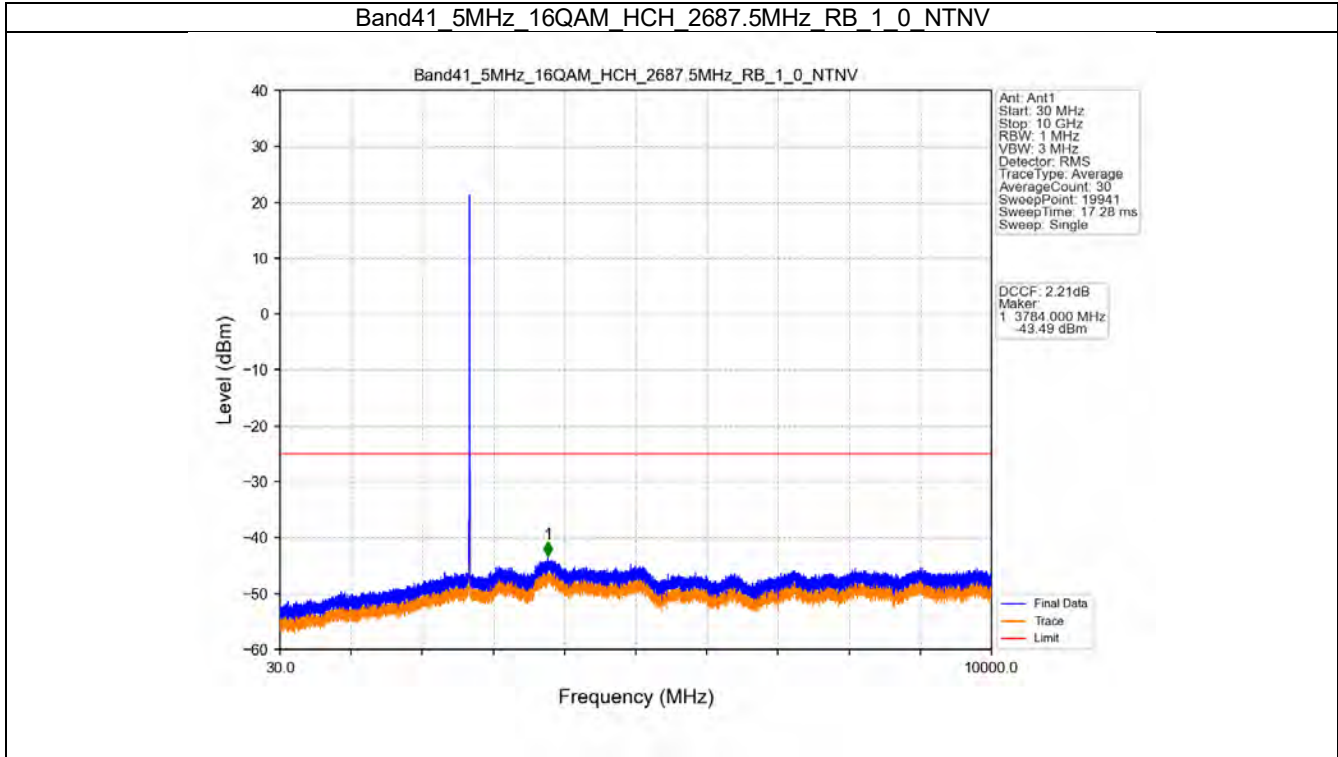
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 Page: 158 of 298



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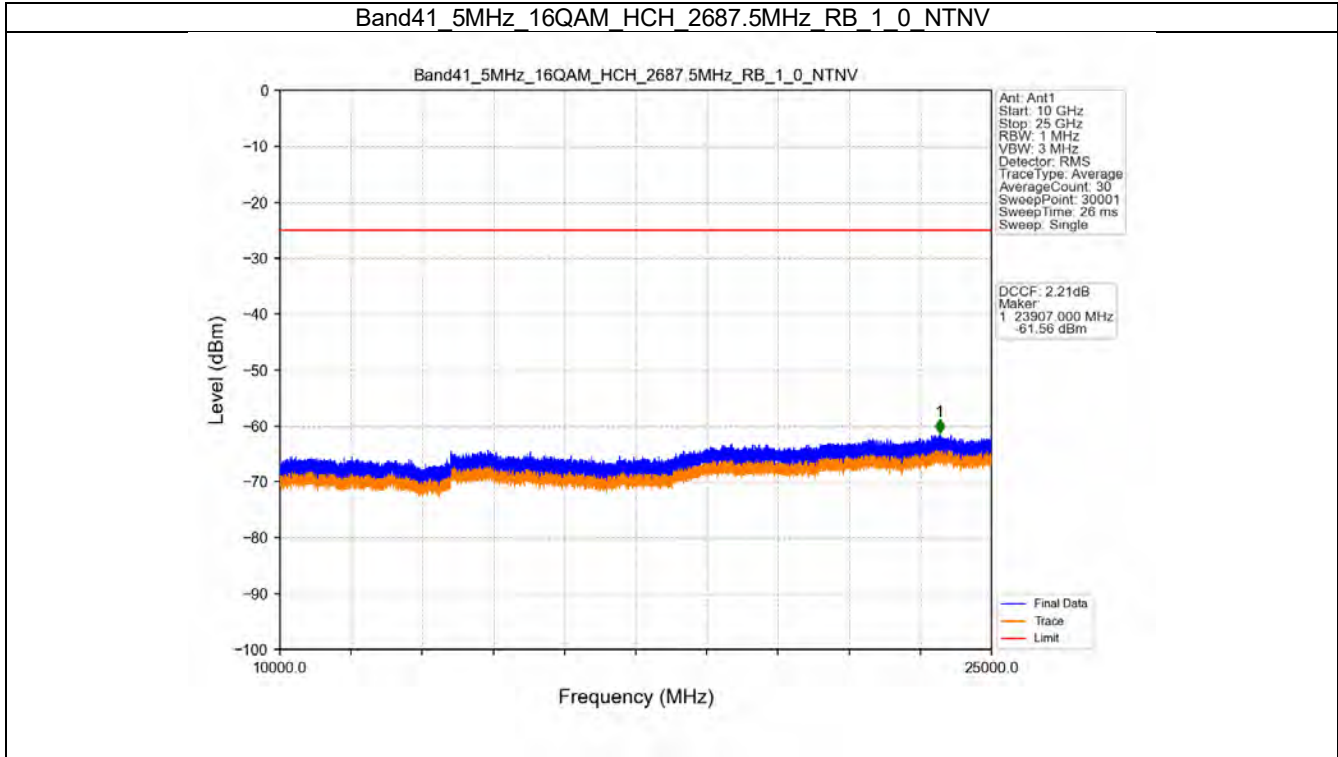
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 Page: 159 of 298



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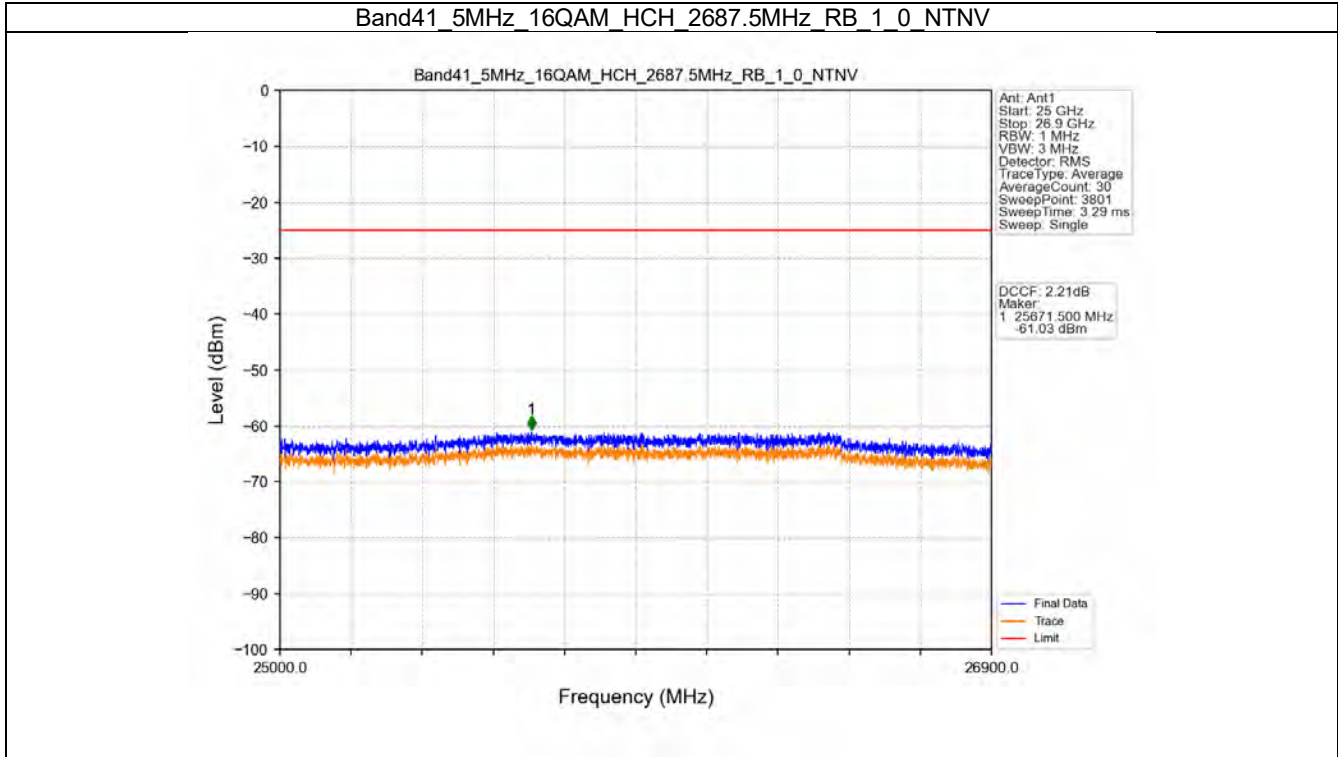
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 Page: 160 of 298



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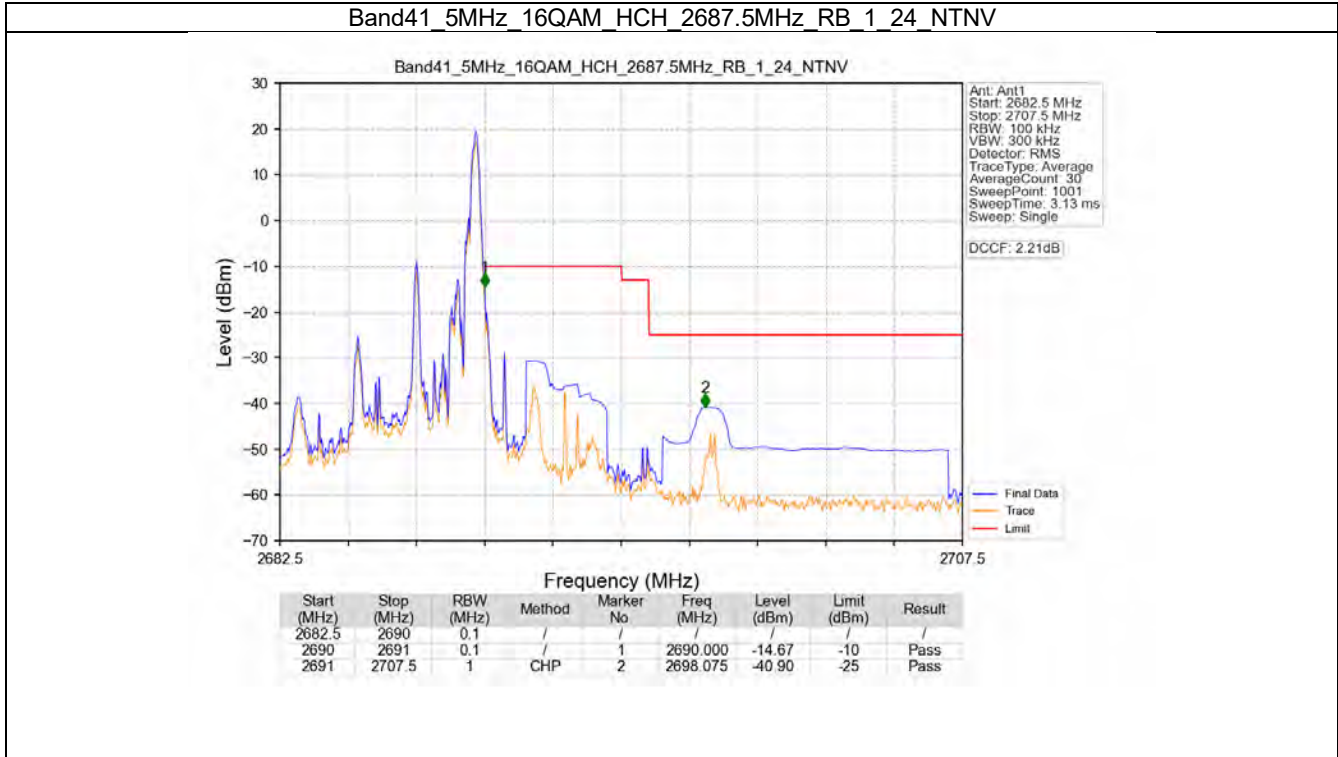
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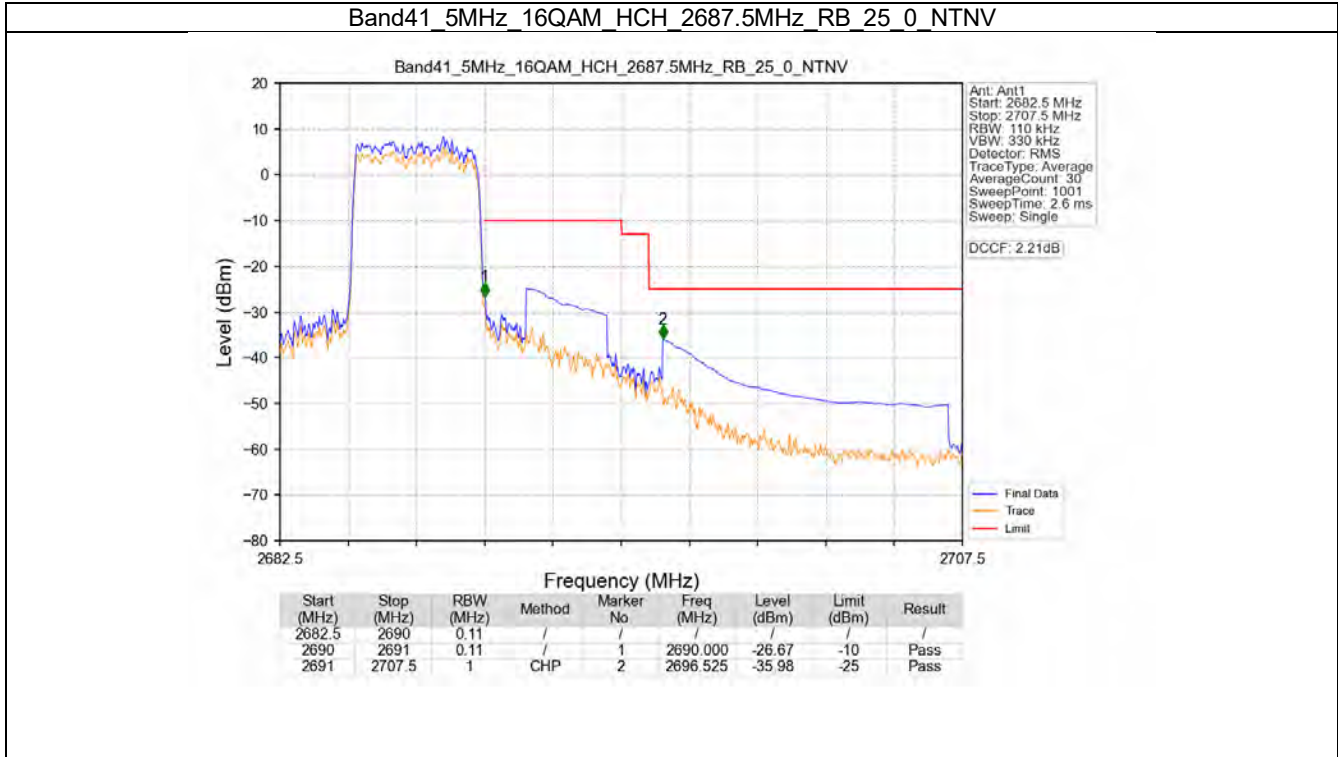
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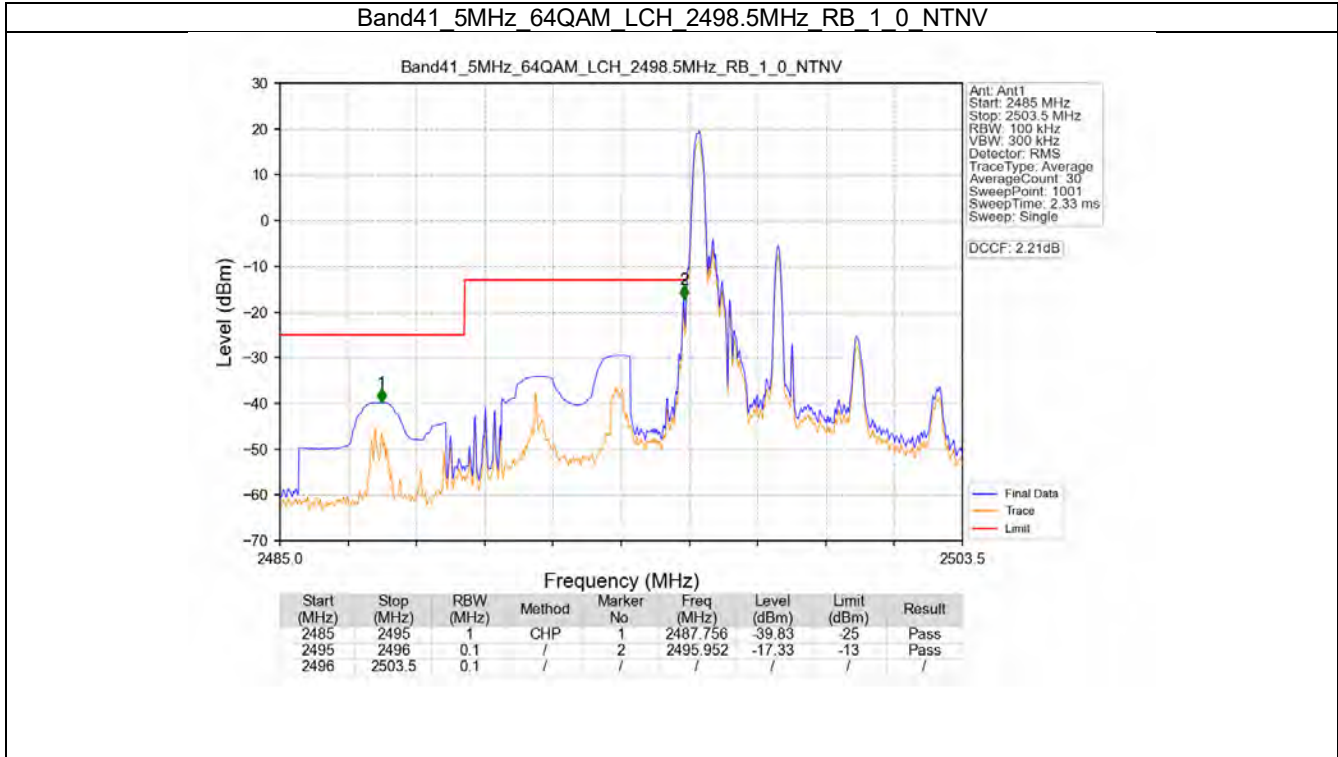
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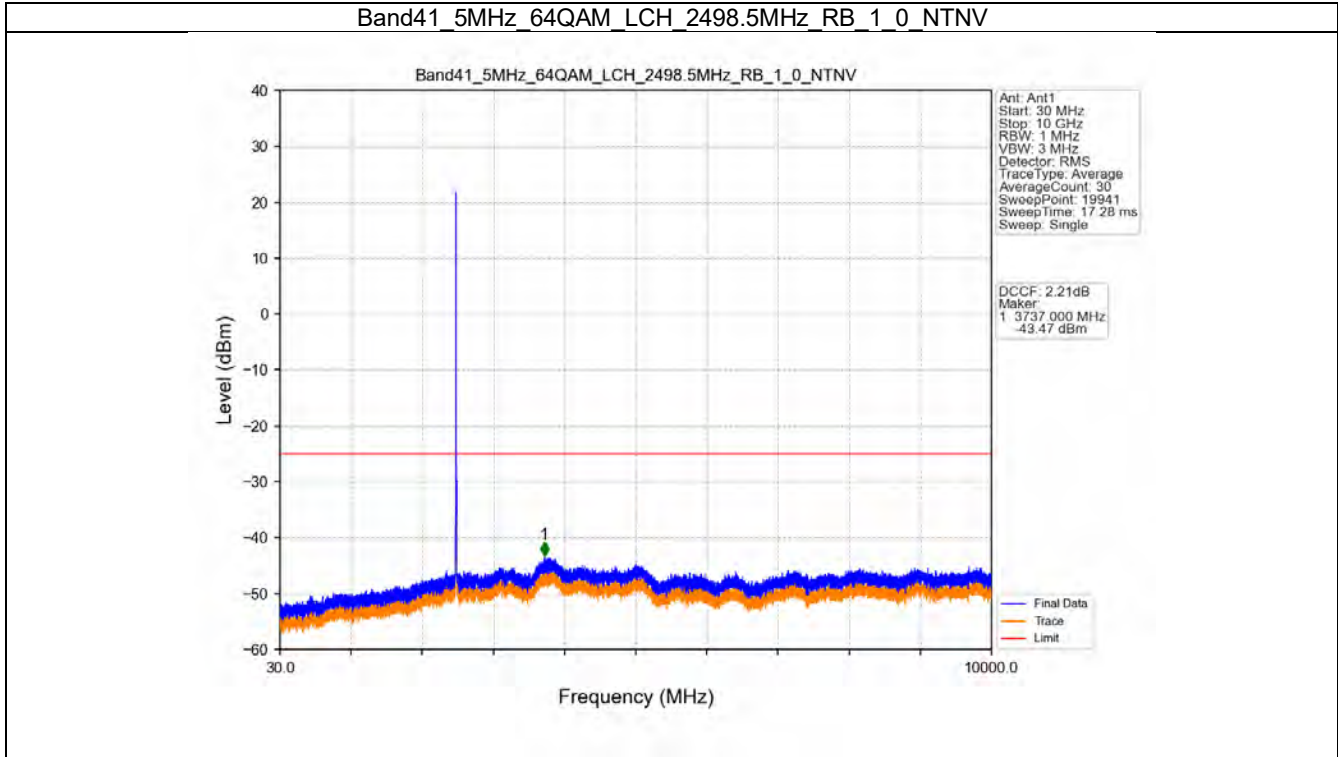
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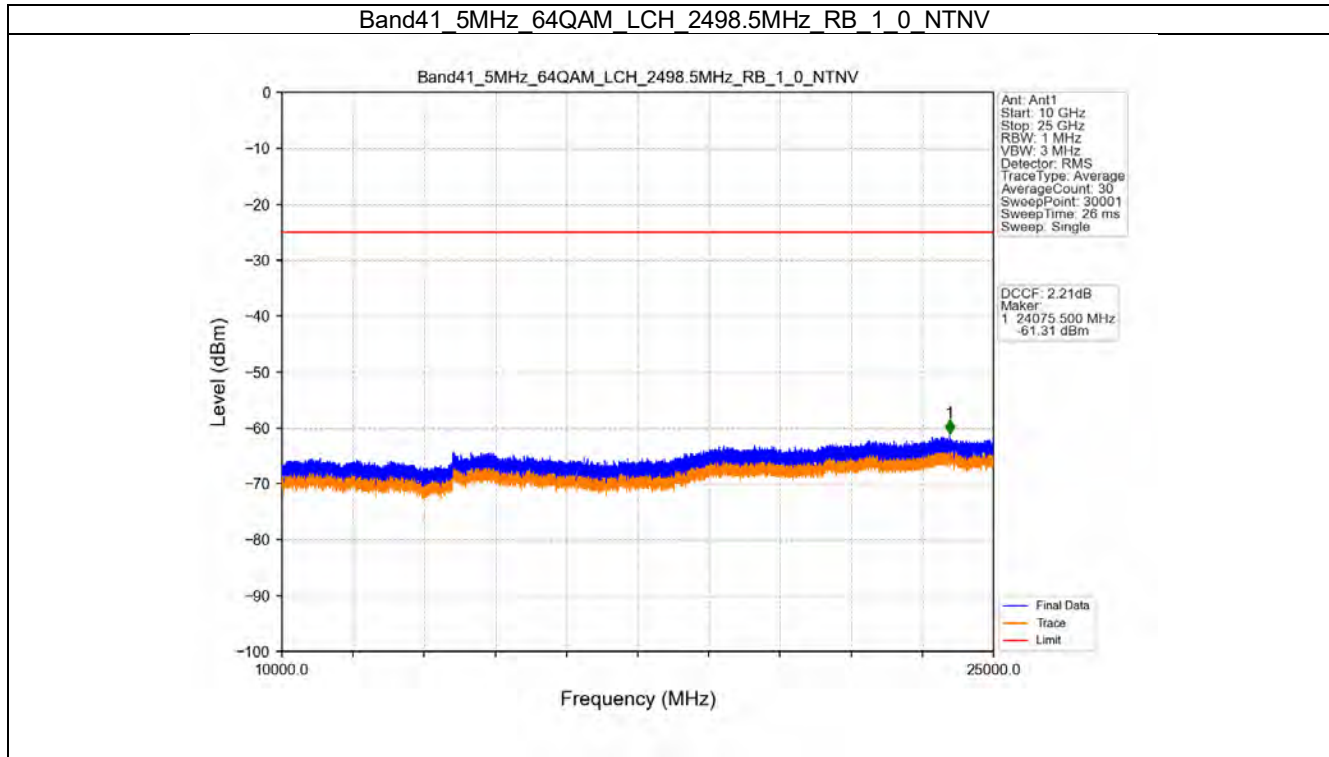
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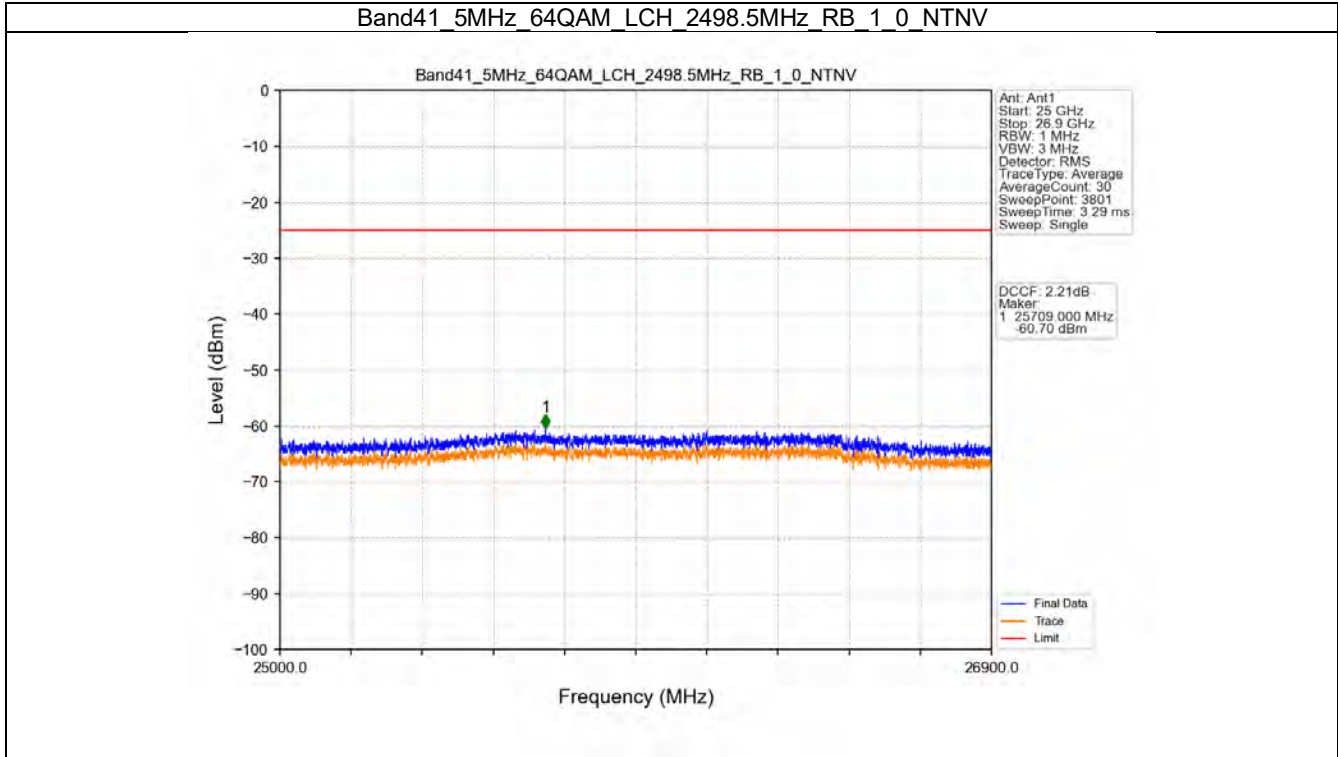
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 166 of 298



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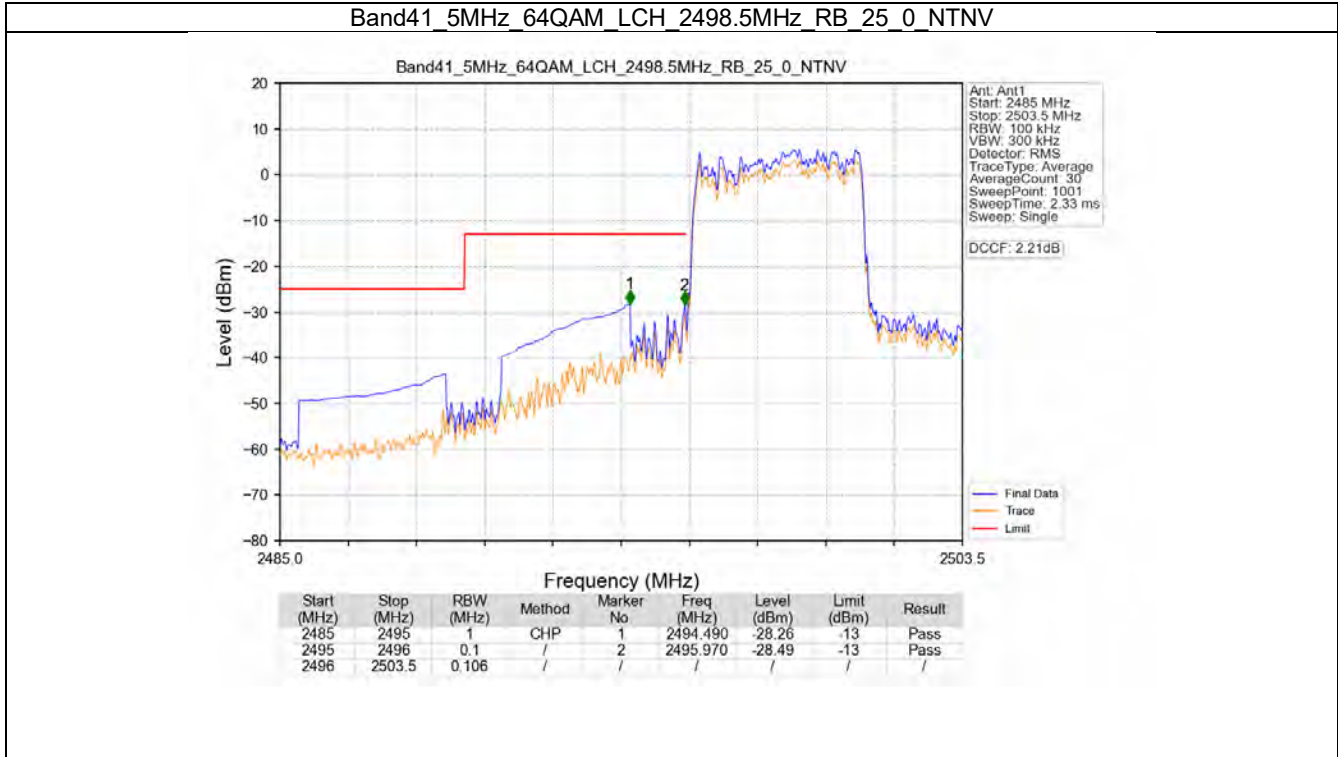
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 167 of 298



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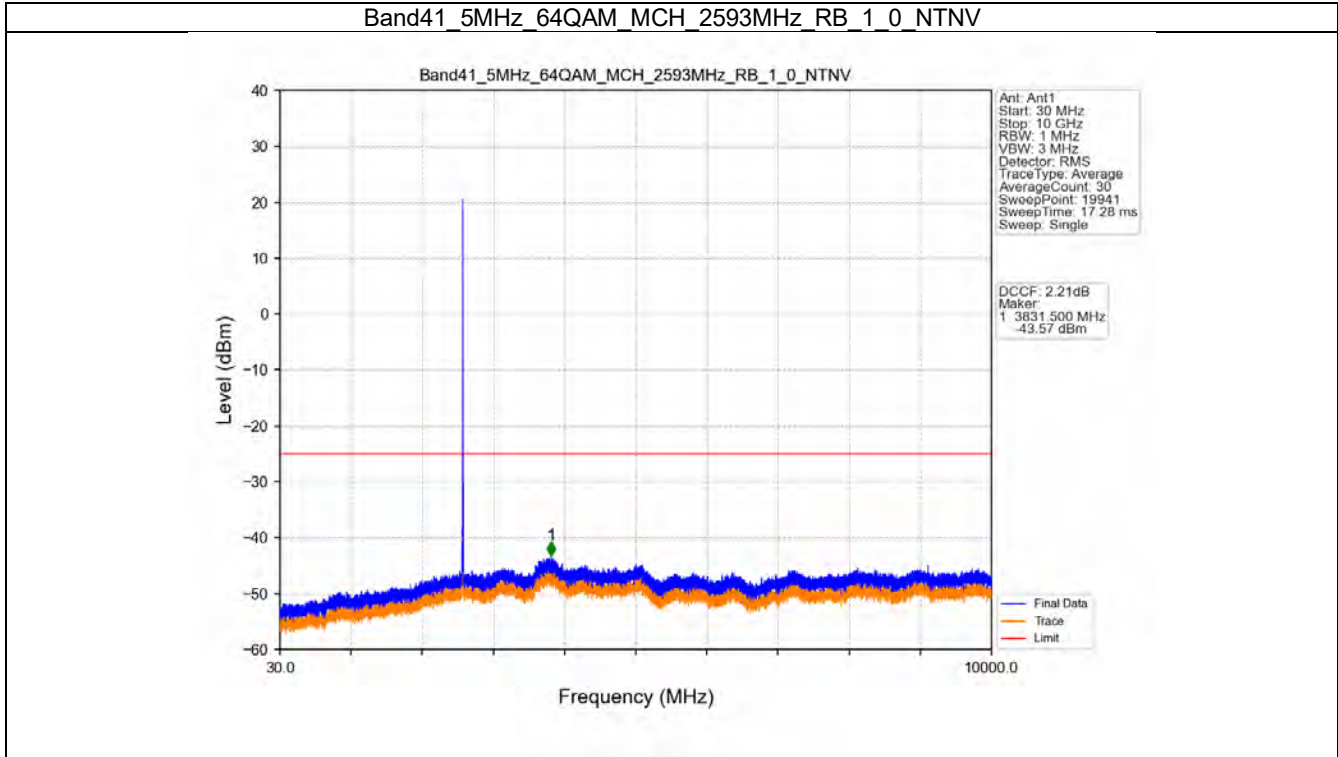
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 168 of 298



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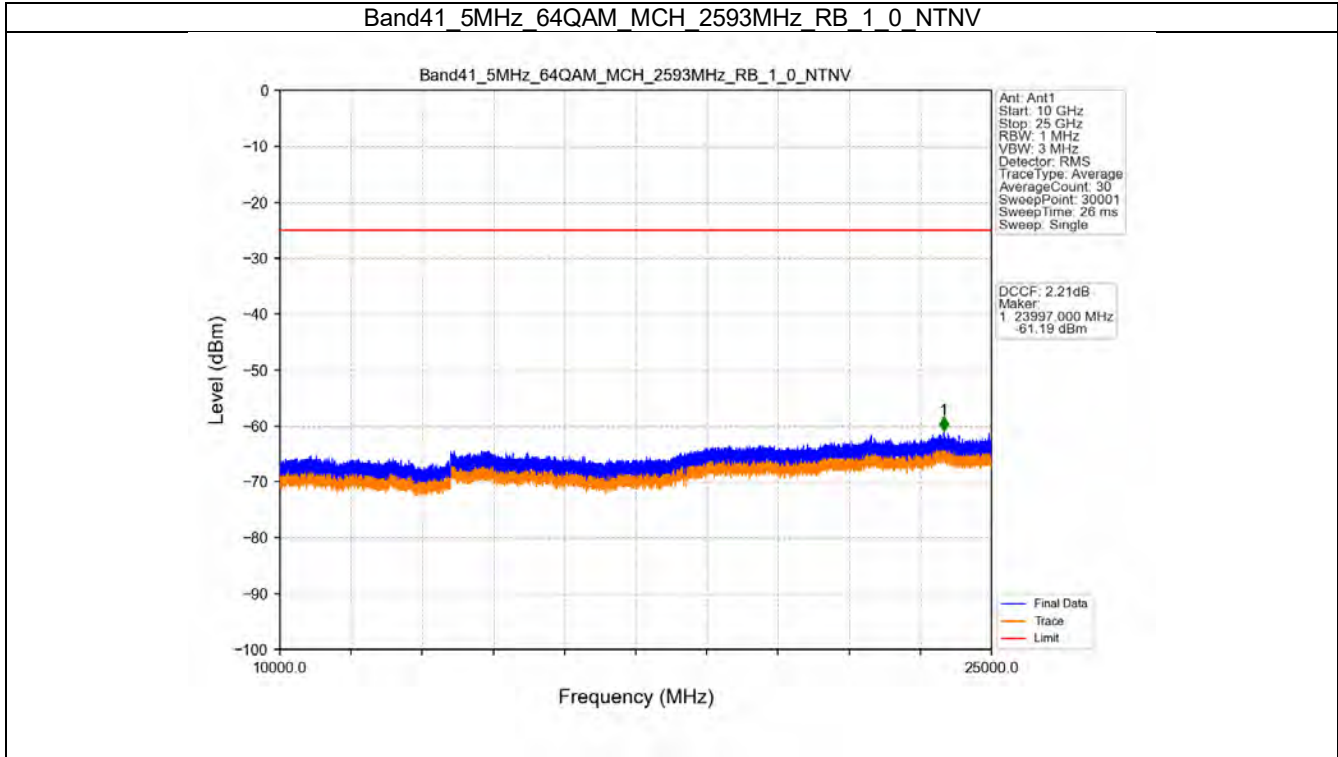
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 169 of 298



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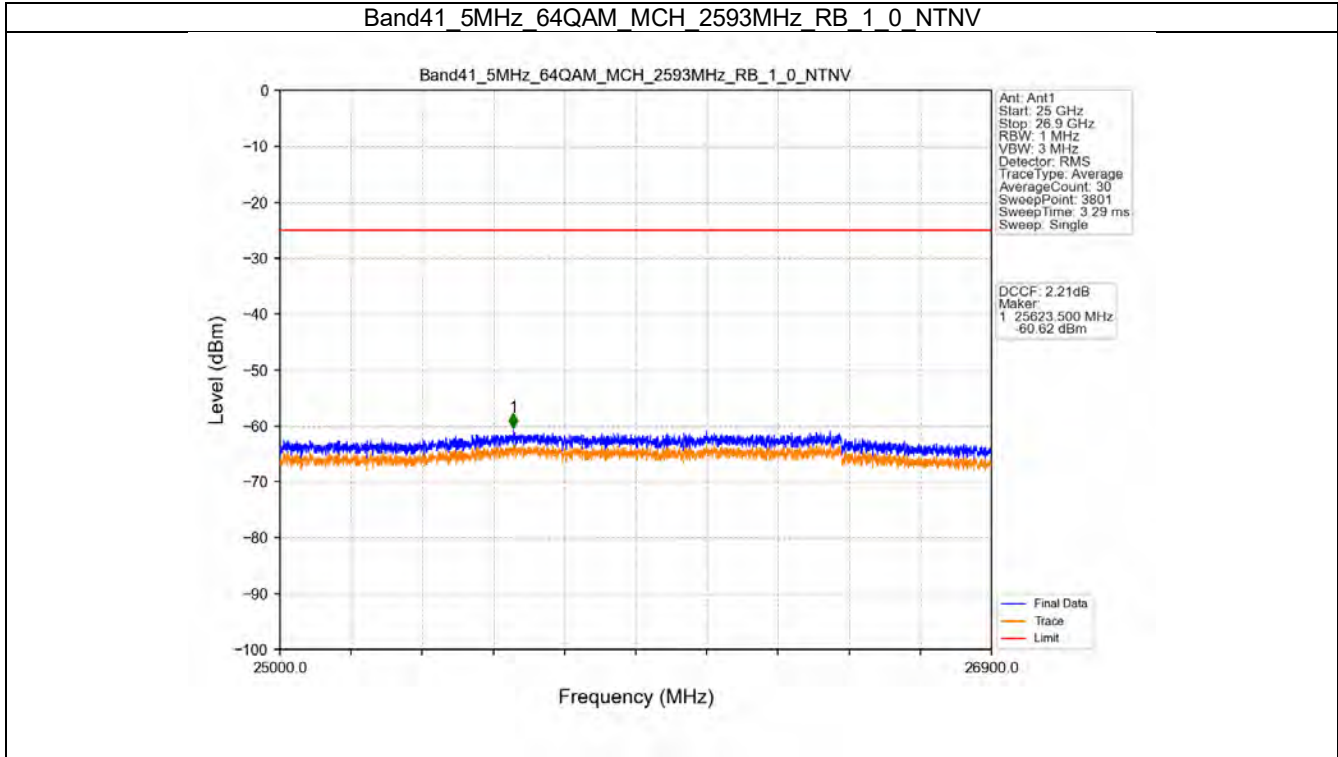
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 170 of 298



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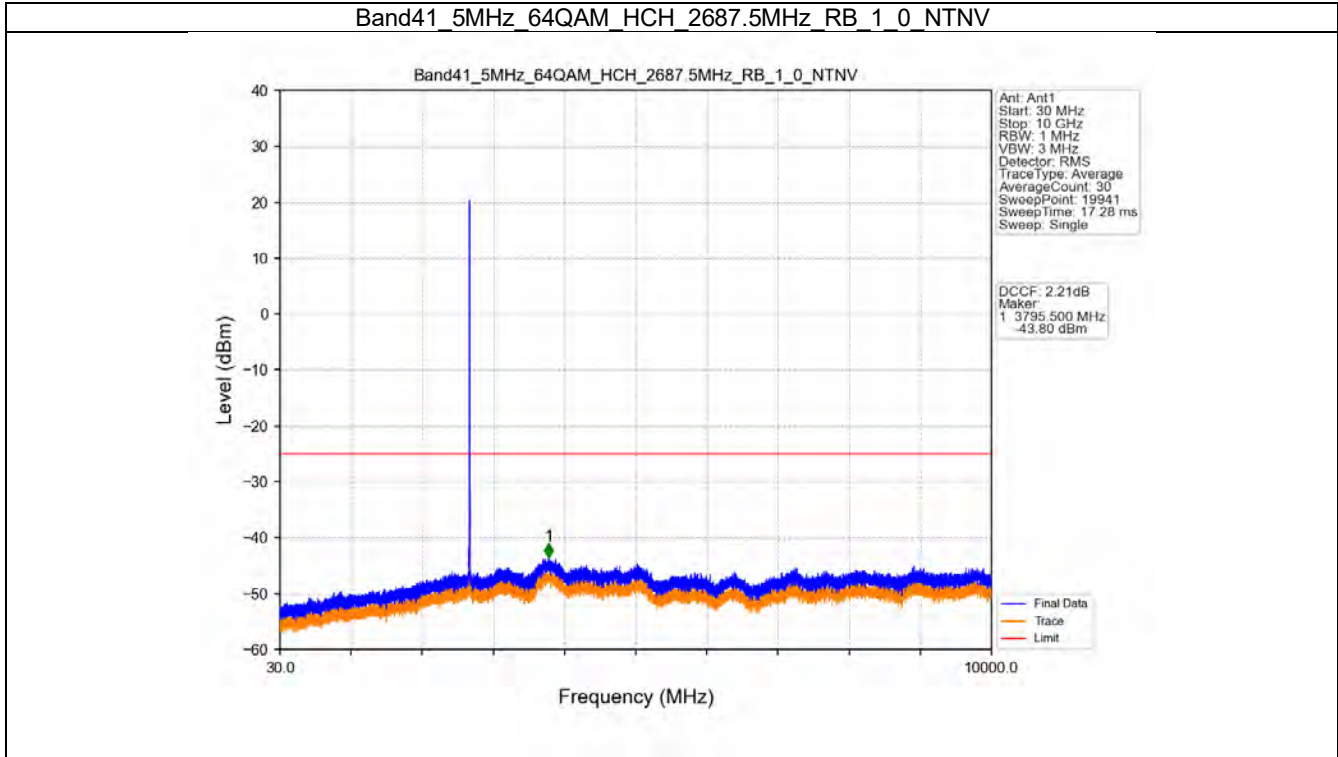
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 171 of 298



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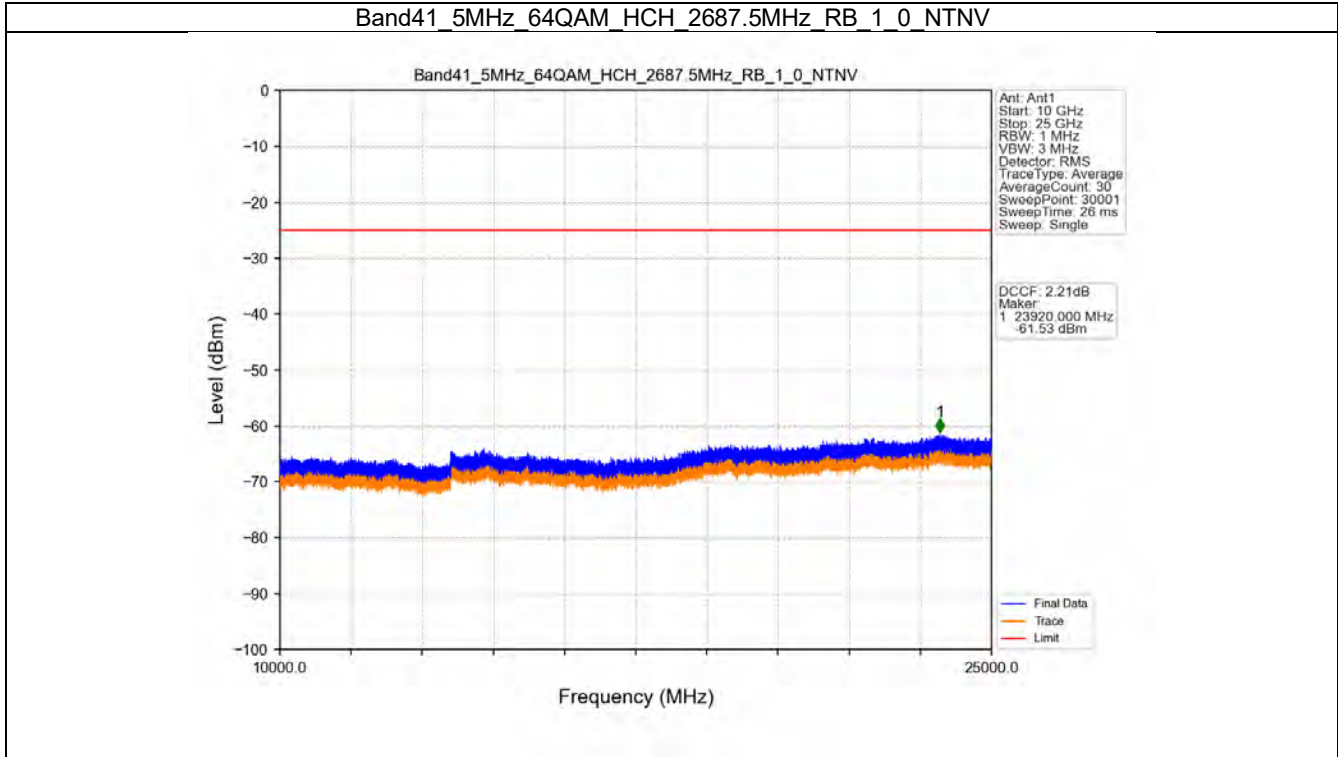
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Report No.: SZCR240200059401
 Rev.: 01
 Page: 172 of 298



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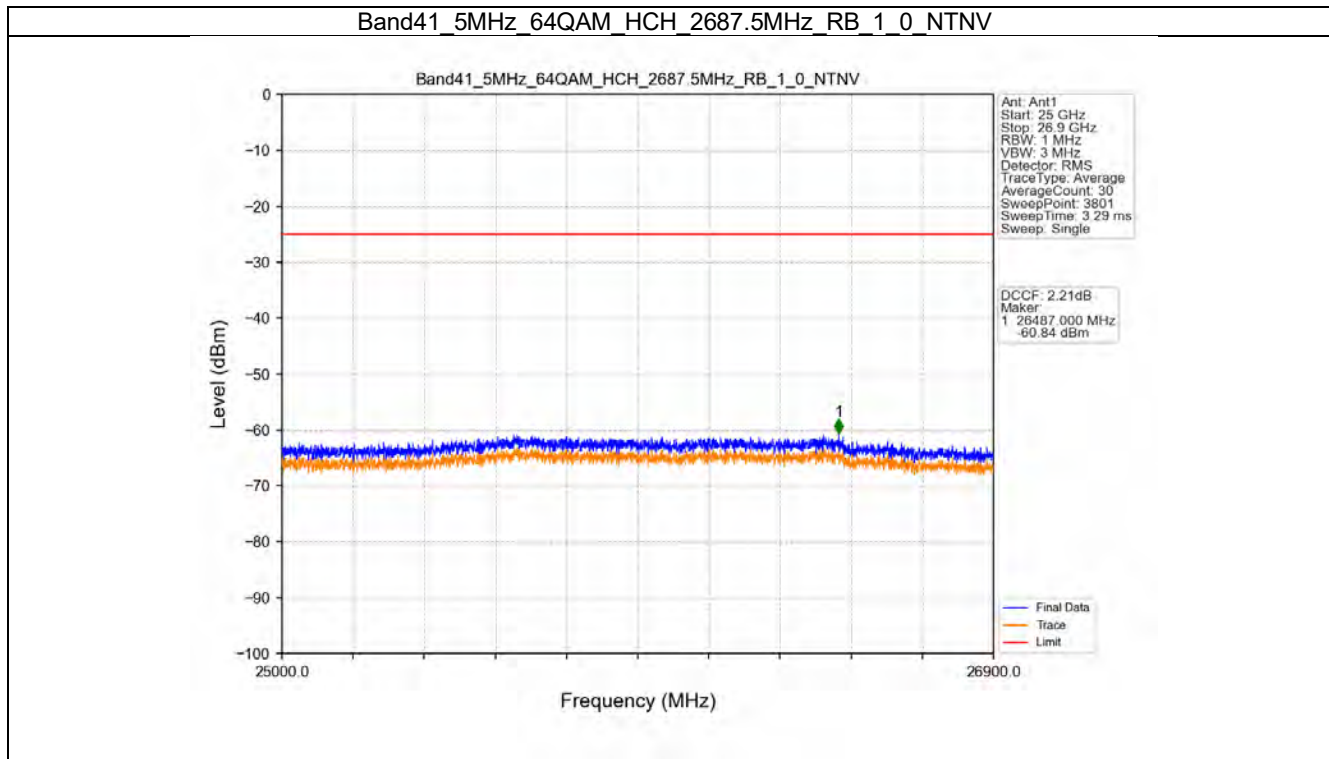


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Report No.: SZCR240200059401

Rev.: 01

Page: 173 of 298



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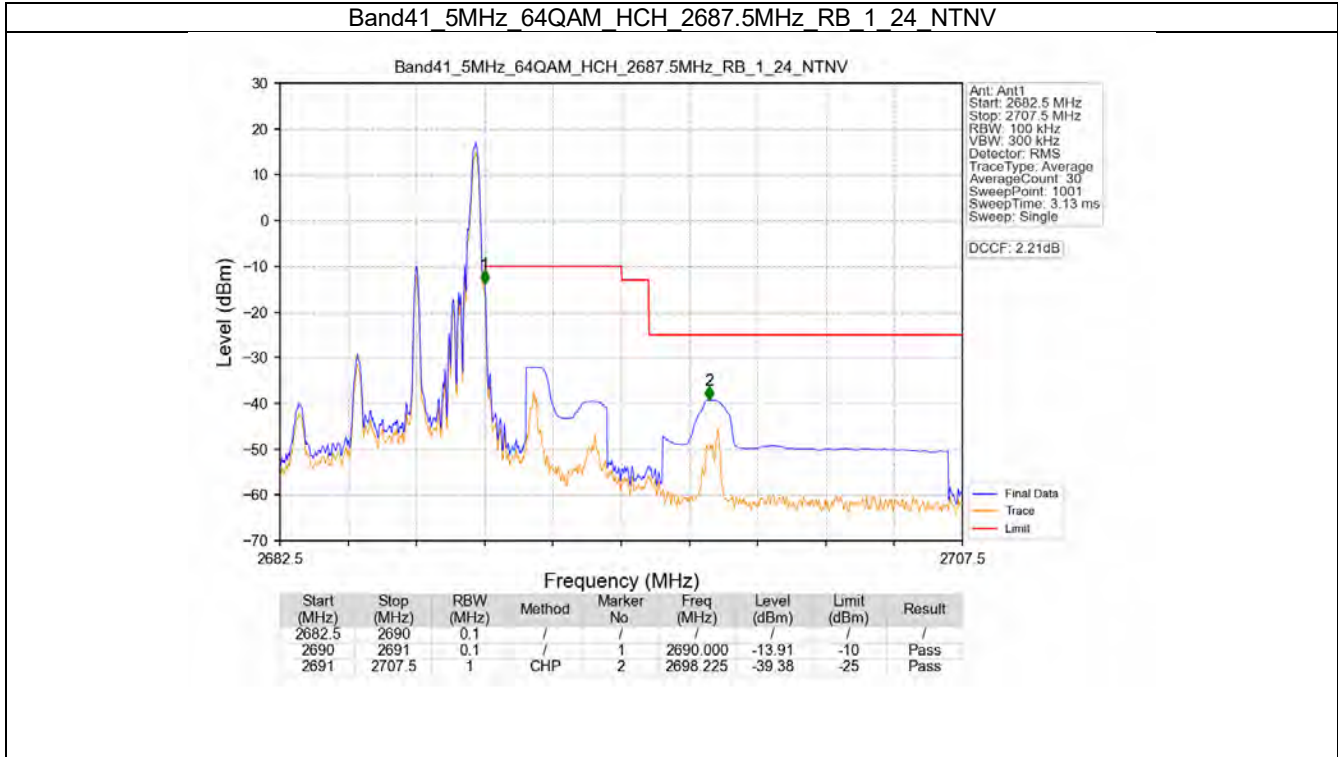
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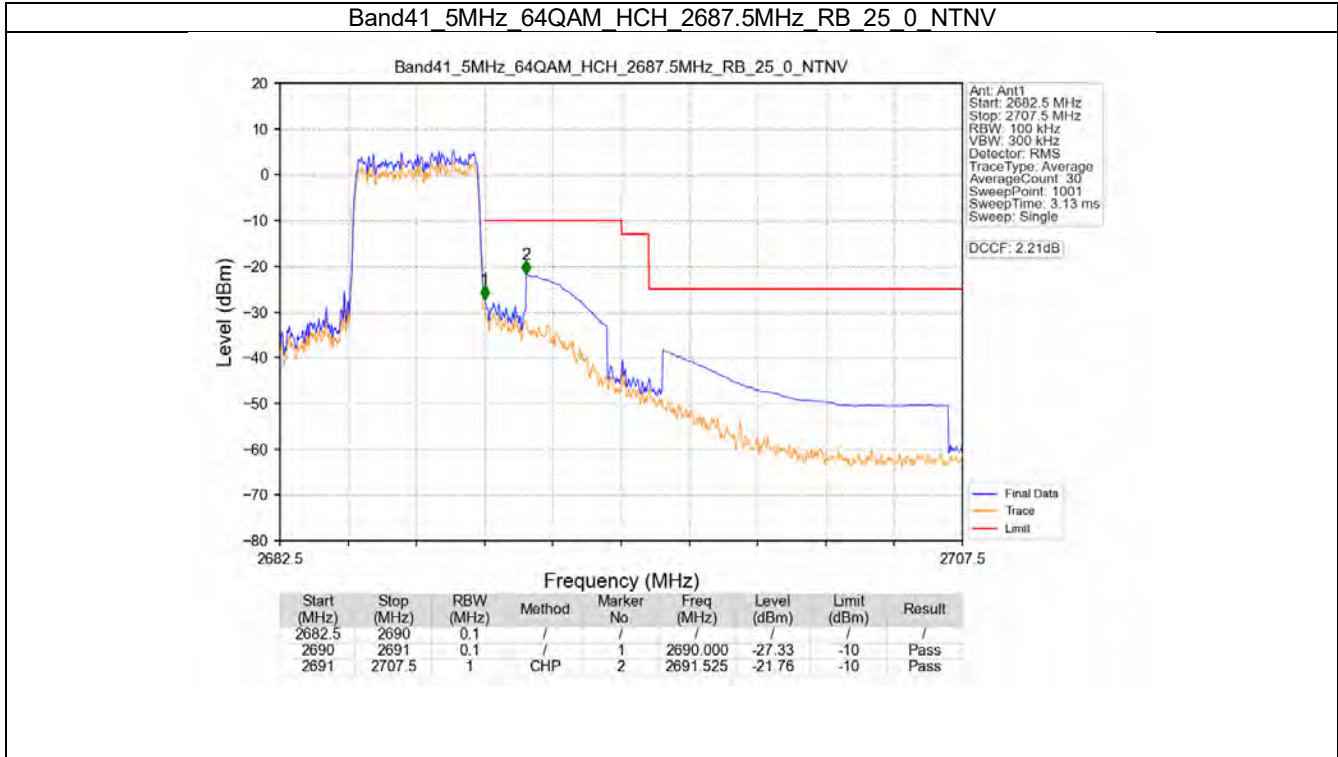
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Report No.: SZCR240200059401

Rev.: 01

Page: 176 of 298

5.2 B41_10MHz

5.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	2501	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	2685	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
			49	Refer To Test Graph	Pass	
16QAM	2501	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	2685	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
			49	Refer To Test Graph	Pass	
64QAM	2501	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
	2685	1	0	Refer To Test Graph	Pass	
		50	0	Refer To Test Graph	Pass	
			49	Refer To Test Graph	Pass	



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