



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

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Appendix B.11

LTE Band 41



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B41_5MHz_EIRP

1.1.1 Test Result_Ant1

Band: 41 / Bandwidth: 5MHz / NTN								
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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64QAM		25	6	21.68	-0.20	21.48	≤ 33.01	Pass
			13	21.63	-0.20	21.43	≤ 33.01	Pass
			0	21.72	-0.20	21.52	≤ 33.01	Pass
	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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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
	2593	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
		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
	2685	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
		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
16QAM	2501	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
		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
	2593	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
		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
	2685	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
		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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		50	0	21.67	-0.20	21.47	<=33.01	Pass	
64QAM	2501	1	0	21.79	-0.20	21.59	<=33.01	Pass	
			25	22.05	-0.20	21.85	<=33.01	Pass	
			49	21.81	-0.20	21.61	<=33.01	Pass	
			0	20.45	-0.20	20.25	<=33.01	Pass	
		25	13	20.60	-0.20	20.40	<=33.01	Pass	
			25	20.60	-0.20	20.40	<=33.01	Pass	
			0	20.48	-0.20	20.28	<=33.01	Pass	
		2593	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	
	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	
			0	20.34	-0.20	20.14	<=33.01	Pass	
	2685		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	
		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							

Note1: EIRP=Conducted Power+Antenna Gain



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1.3 B41_15MHz_EIRP

1.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV								
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict
		Size	Offset			Result	Limit	
QPSK	2503.5	1	0	23.46	-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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		75	0	21.73	-0.20	21.53	<=33.01	Pass	
64QAM	2503.5	1	0	21.72	-0.20	21.52	<=33.01	Pass	
			38	21.82	-0.20	21.62	<=33.01	Pass	
			74	21.78	-0.20	21.58	<=33.01	Pass	
			0	20.52	-0.20	20.32	<=33.01	Pass	
		36	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	Pass
				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								

Note1: EIRP=Conducted Power+Antenna Gain



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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
			0	23.53	-0.20	23.33	<=33.01	Pass
			50	23.70	-0.20	23.50	<=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
			0	23.53	-0.20	23.33	<=33.01	Pass
			50	23.93	-0.20	23.73	<=33.01	Pass
	2680	1	0	23.54	-0.20	23.34	<=33.01	Pass
			0	22.66	-0.20	22.46	<=33.01	Pass
			25	22.68	-0.20	22.48	<=33.01	Pass
		50	0	22.66	-0.20	22.46	<=33.01	Pass
			25	22.66	-0.20	22.46	<=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
			0	22.18	-0.20	21.98	<=33.01	Pass
			50	22.84	-0.20	22.64	<=33.01	Pass
	2593	1	0	22.15	-0.20	21.95	<=33.01	Pass
			50	22.15	-0.20	21.95	<=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
			0	22.14	-0.20	21.94	<=33.01	Pass
			50	22.91	-0.20	22.71	<=33.01	Pass
	2680	1	0	22.57	-0.20	22.37	<=33.01	Pass
			0	21.64	-0.20	21.44	<=33.01	Pass
			25	21.69	-0.20	21.49	<=33.01	Pass
		50	0	21.63	-0.20	21.43	<=33.01	Pass
			25	21.63	-0.20	21.43	<=33.01	Pass
			50	21.63	-0.20	21.43	<=33.01	Pass
		100	0	21.63	-0.20	21.43	<=33.01	Pass
			0	21.63	-0.20	21.43	<=33.01	Pass
			50	21.63	-0.20	21.43	<=33.01	Pass



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64QAM	2506	100	0	21.64	-0.20	21.44	<=33.01	Pass
			0	21.20	-0.20	21.00	<=33.01	Pass
			50	21.55	-0.20	21.35	<=33.01	Pass
			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
			50	20.53	-0.20	20.33	<=33.01	Pass
			100	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	0	20.31	-0.20	20.11	<=33.01	Pass
			25	20.34	-0.20	20.14	<=33.01	Pass
			50	20.25	-0.20	20.05	<=33.01	Pass
			100	20.32	-0.20	20.12	<=33.01	Pass
	2680	1	0	21.51	-0.20	21.31	<=33.01	Pass
			50	21.62	-0.20	21.42	<=33.01	Pass
			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
			50	20.57	-0.20	20.37	<=33.01	Pass
			100	20.52	-0.20	20.32	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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2. Frequency Stability

2.1 B41_5MHz

2.1.1 Test Result

Band: 41 / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	2498.5	25	0	20	3.6	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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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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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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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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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
	2685	50	0	40	3.84	-17.746	-0.0068	/	Pass
				50	3.84	-23.575	-0.0091	/	Pass
				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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				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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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
				-10	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
				-10	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
				-10	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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	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		

64QAM	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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				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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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
				-10	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
				-10	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
				-10	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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				30	3.84	-0.540	-0.0002	/	Pass
				40	3.84	-4.285	-0.0017	/	Pass
				50	3.84	15.536	0.0062	/	Pass
2593	100	0	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
64QAM	2506	100	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	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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				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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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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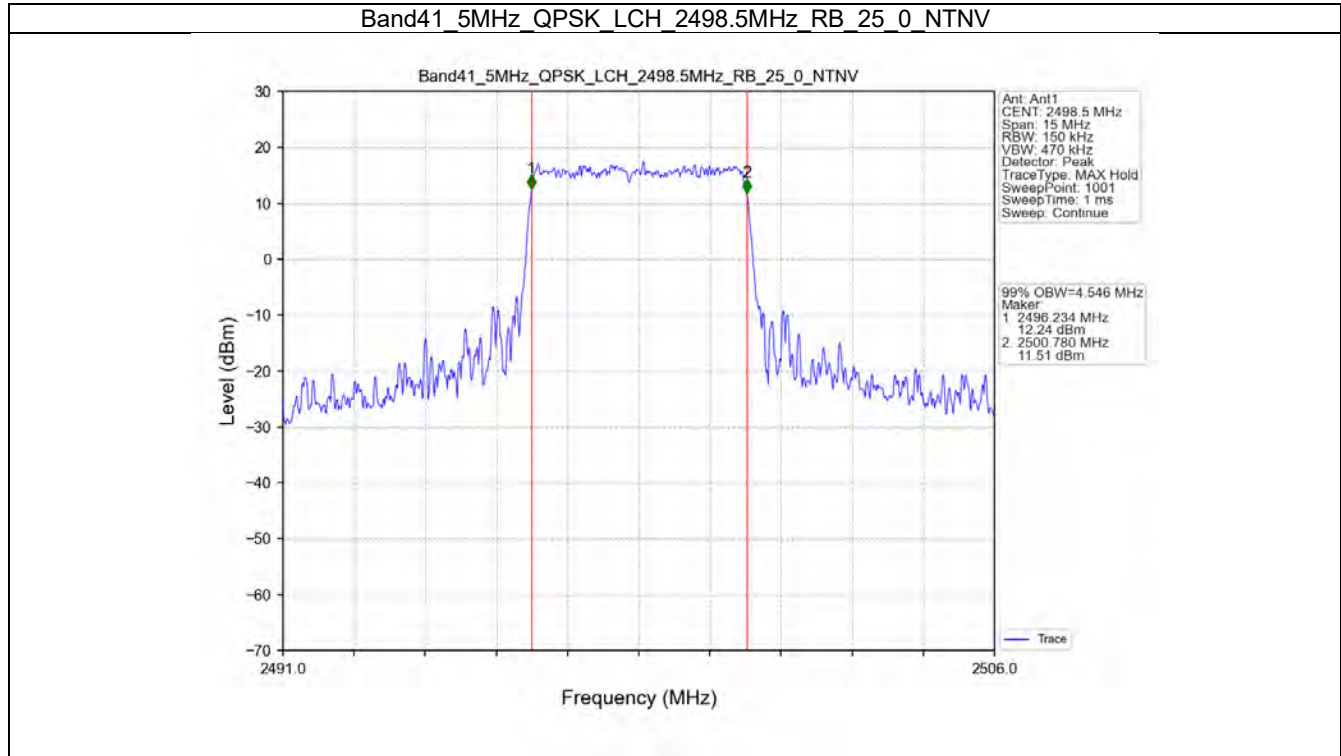
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3.1.2 Test Graph



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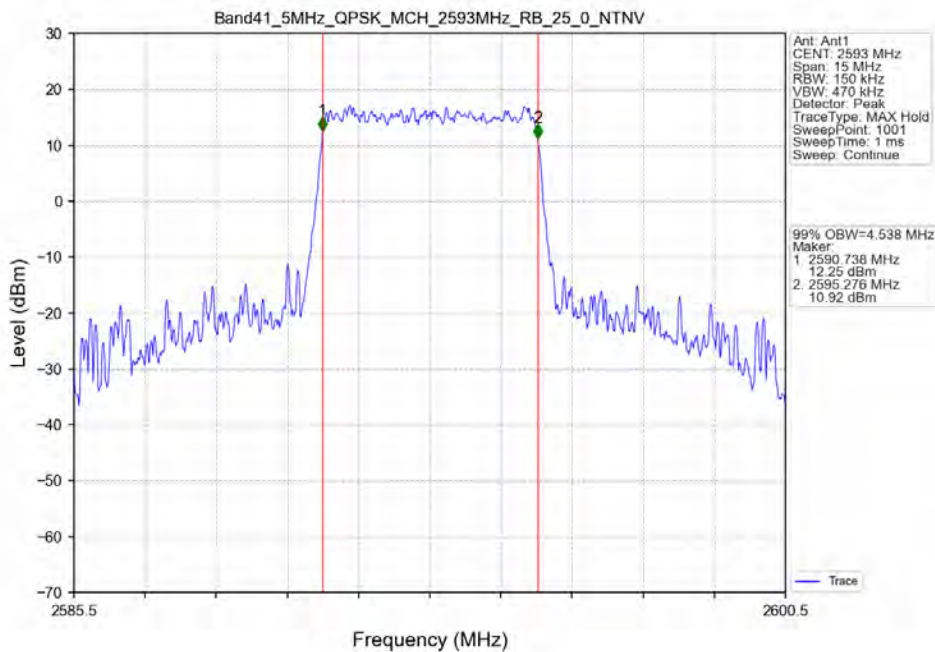
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Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



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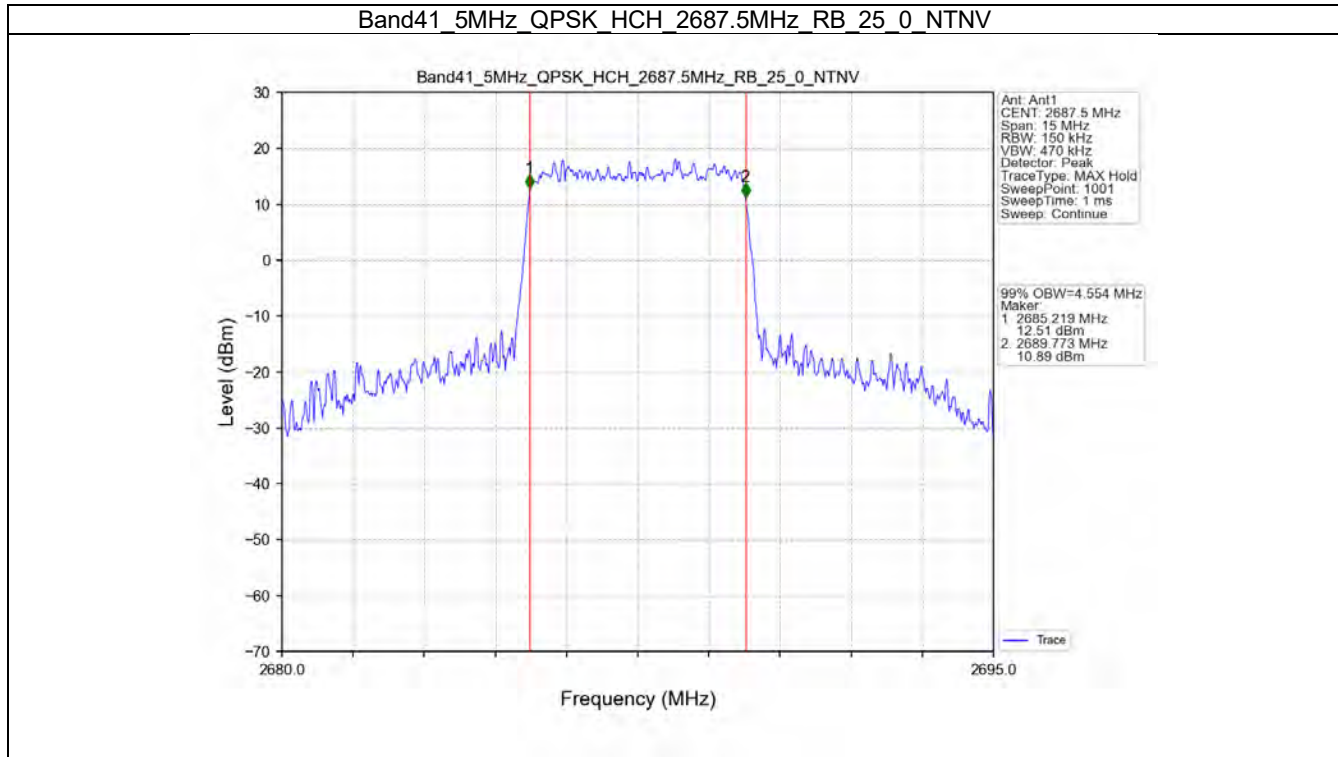


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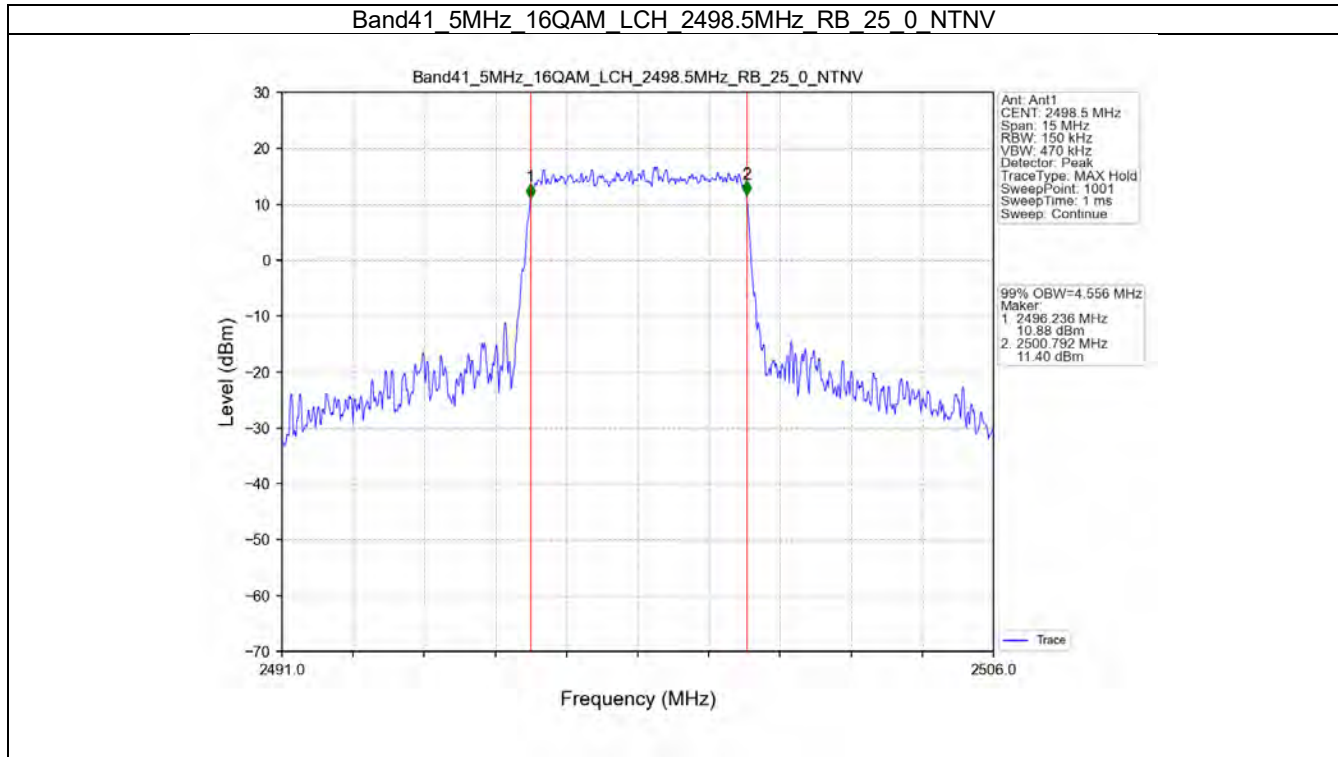


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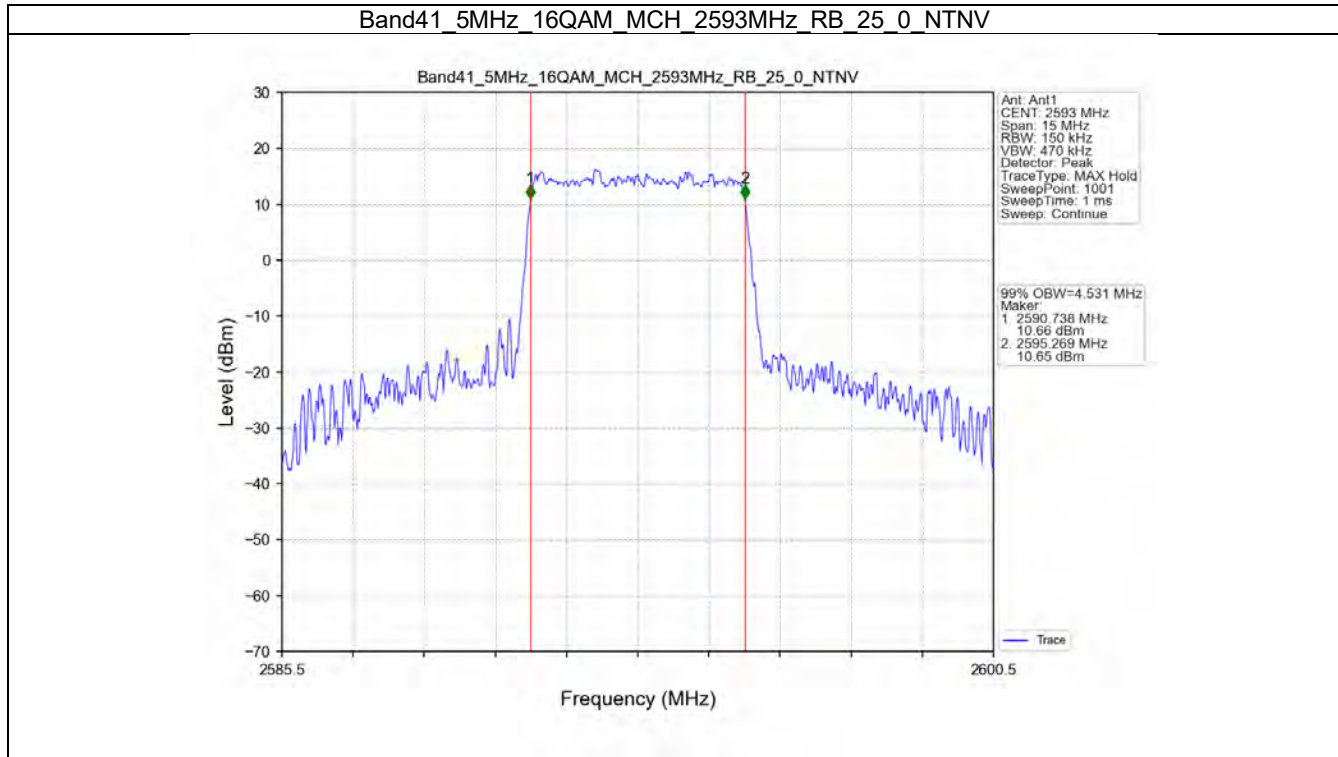


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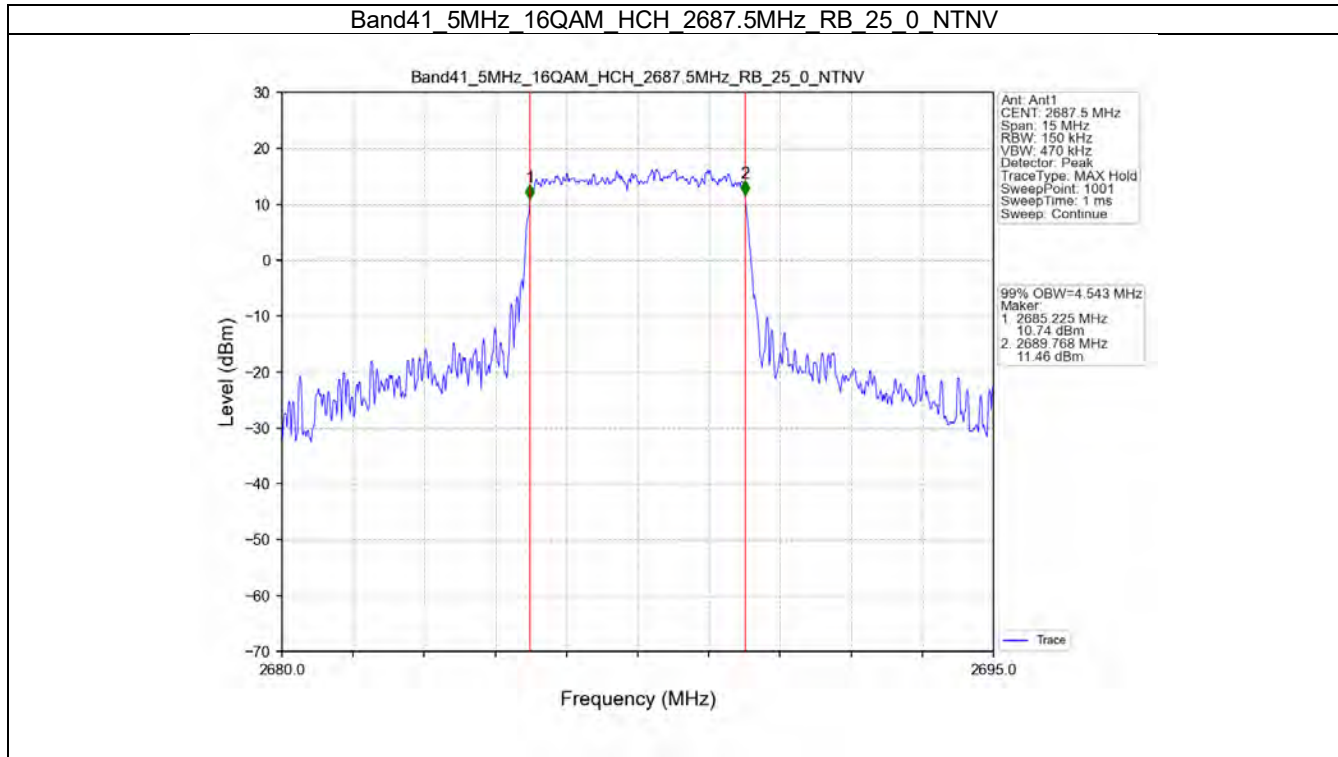


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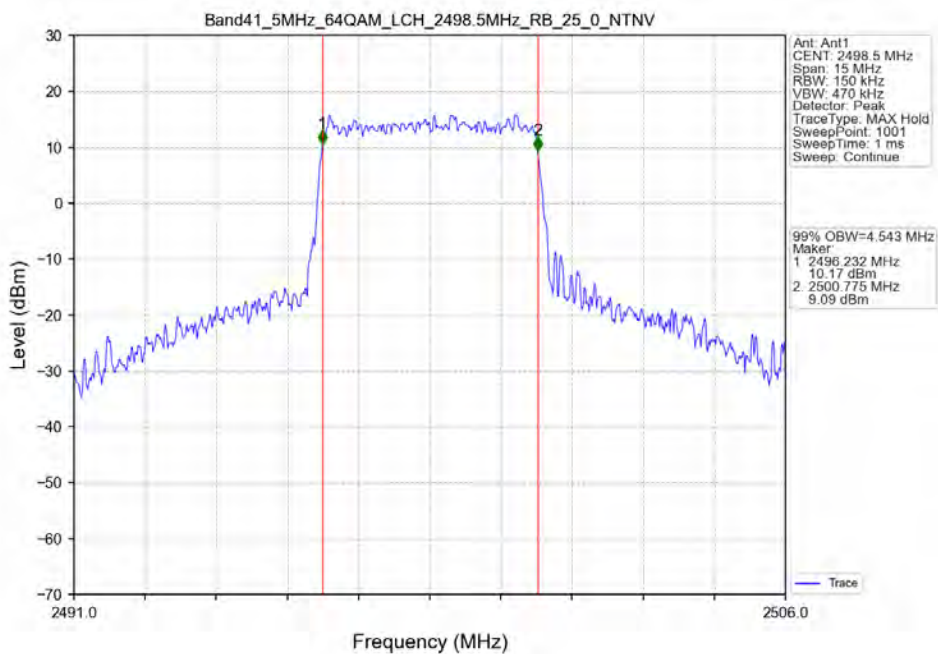
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Band41_5MHz_64QAM_LCH_2498.5MHz_RB_25_0_NTNV



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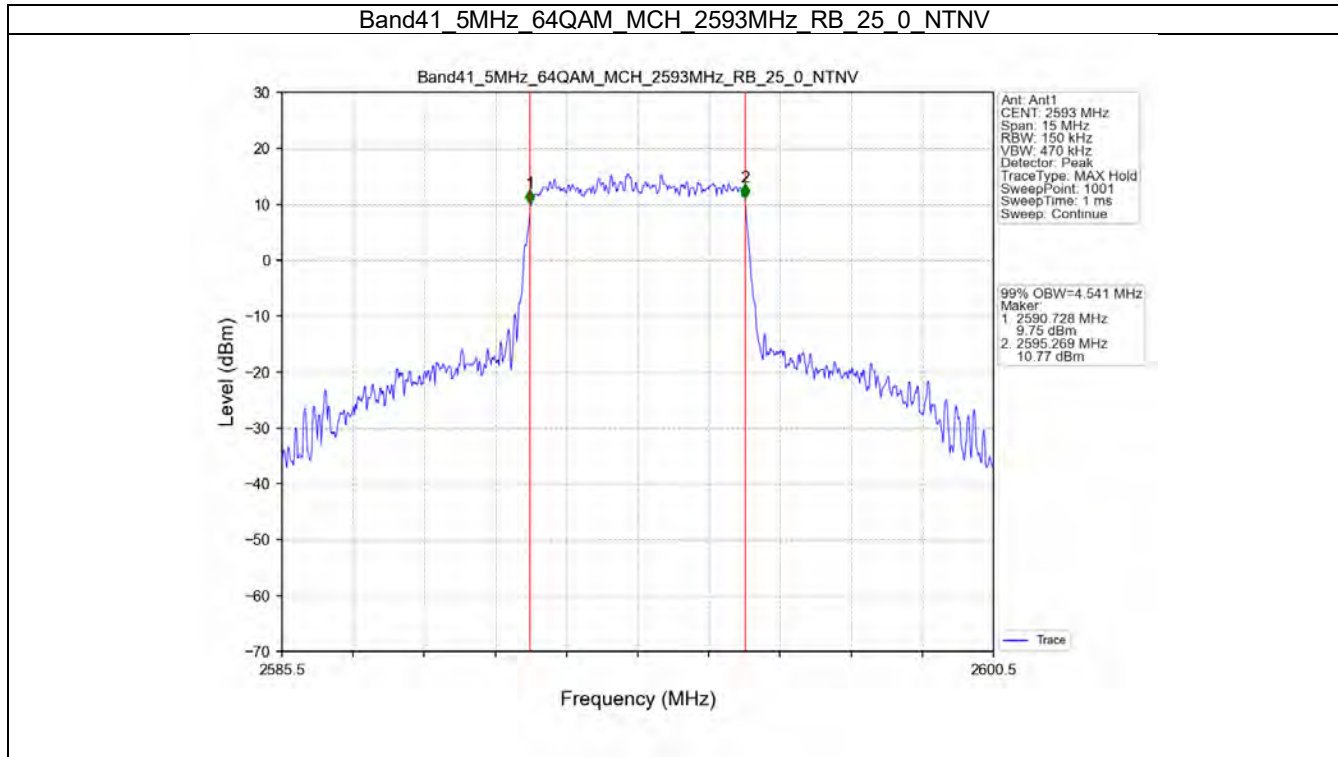


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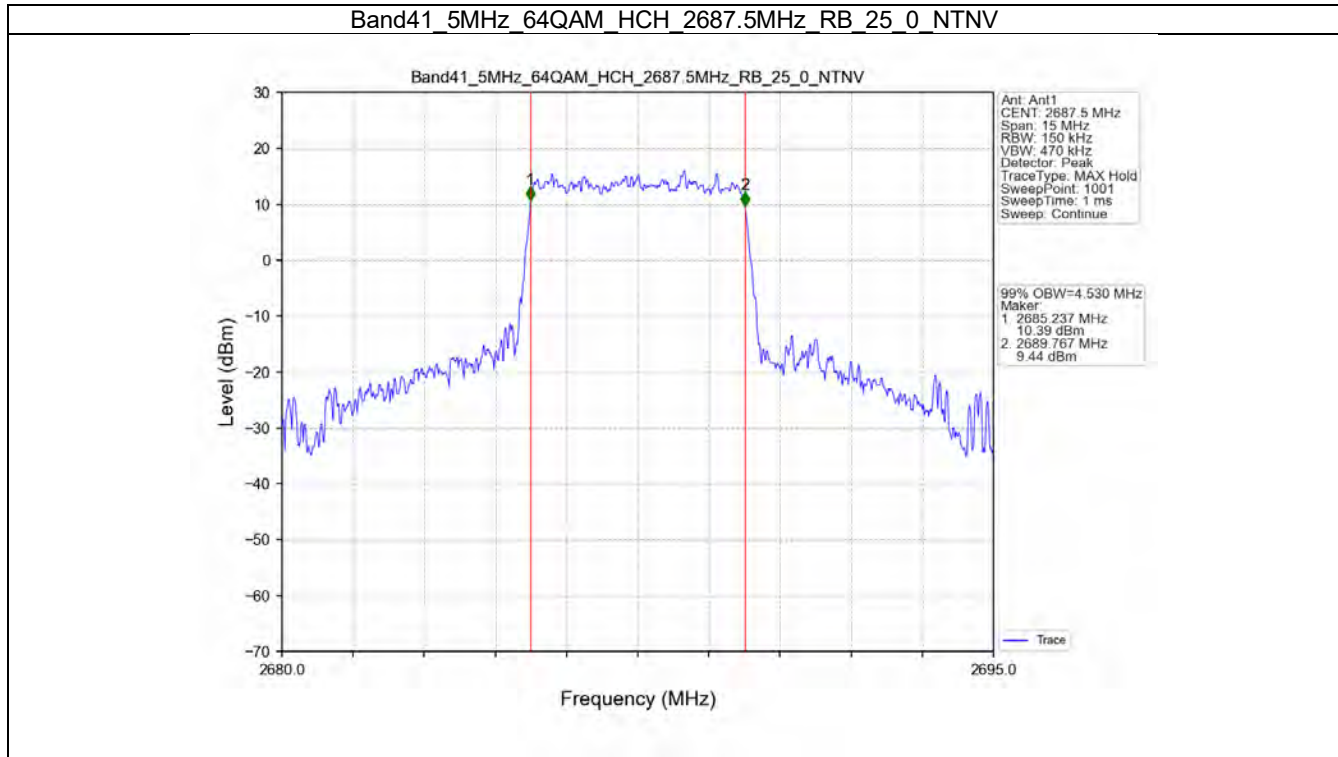


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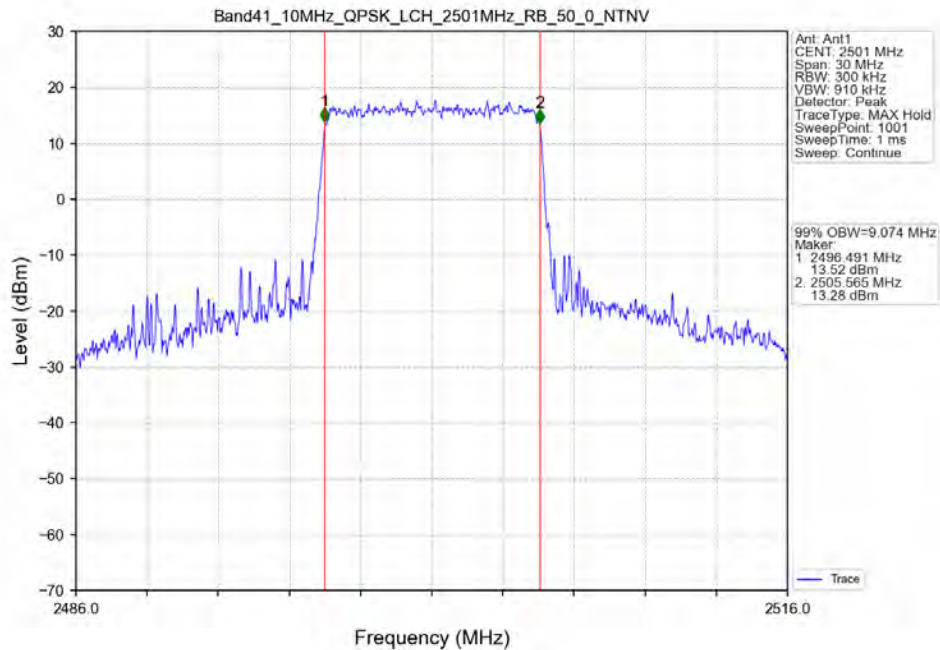
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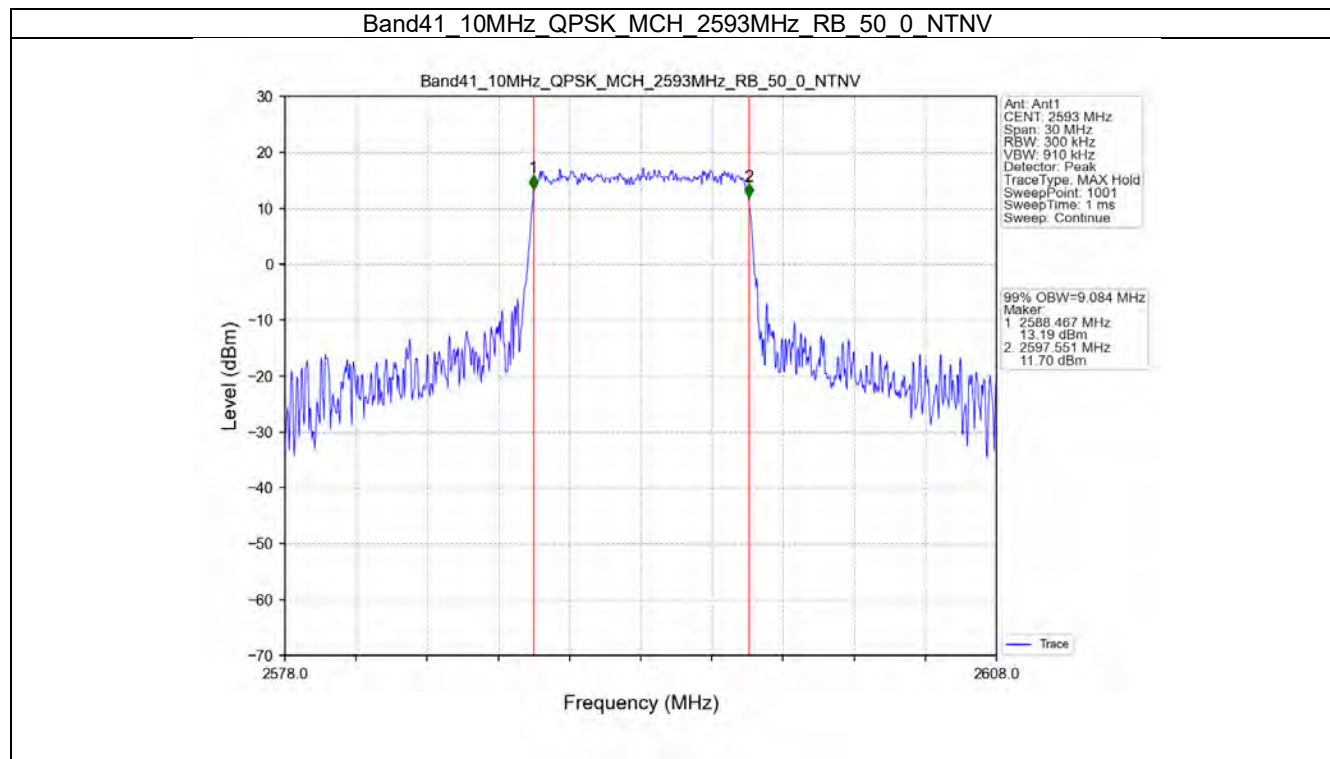


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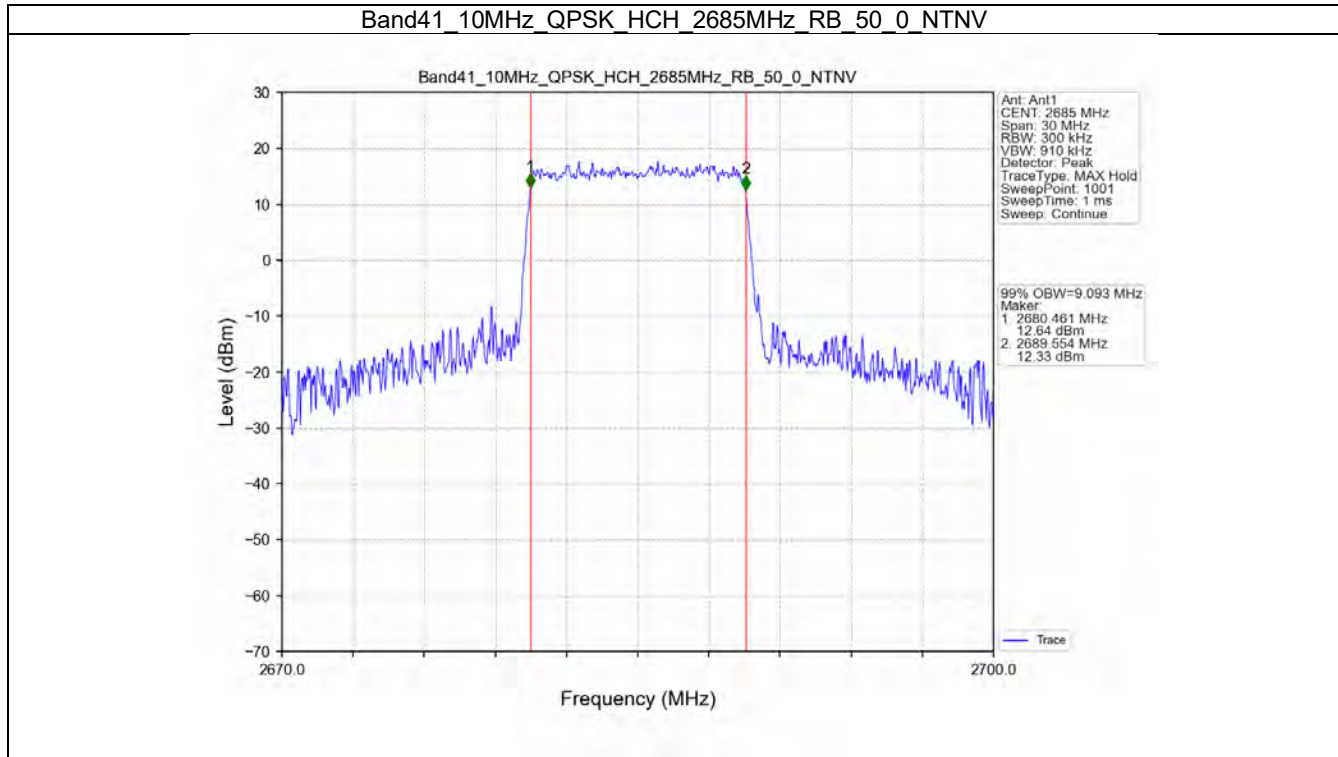


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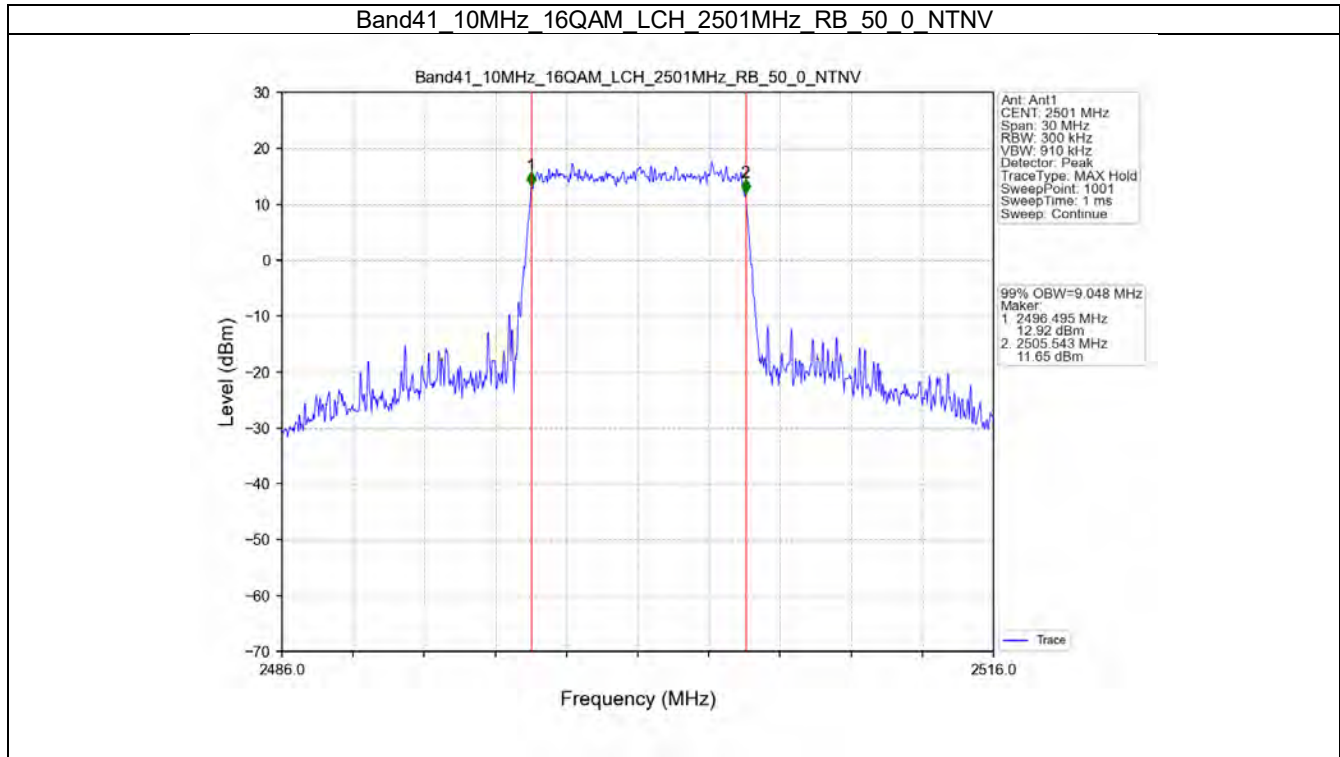


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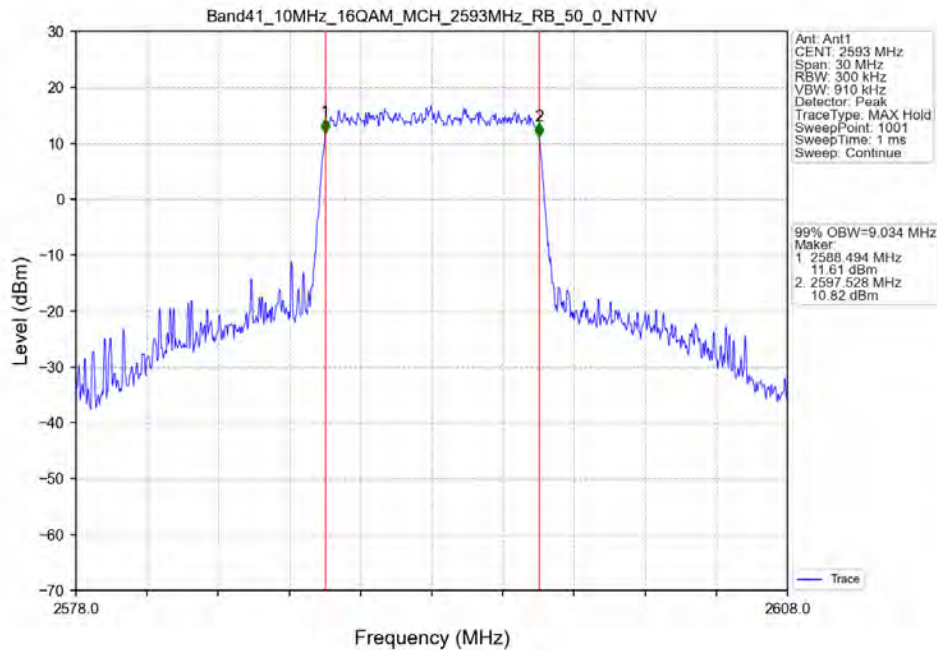
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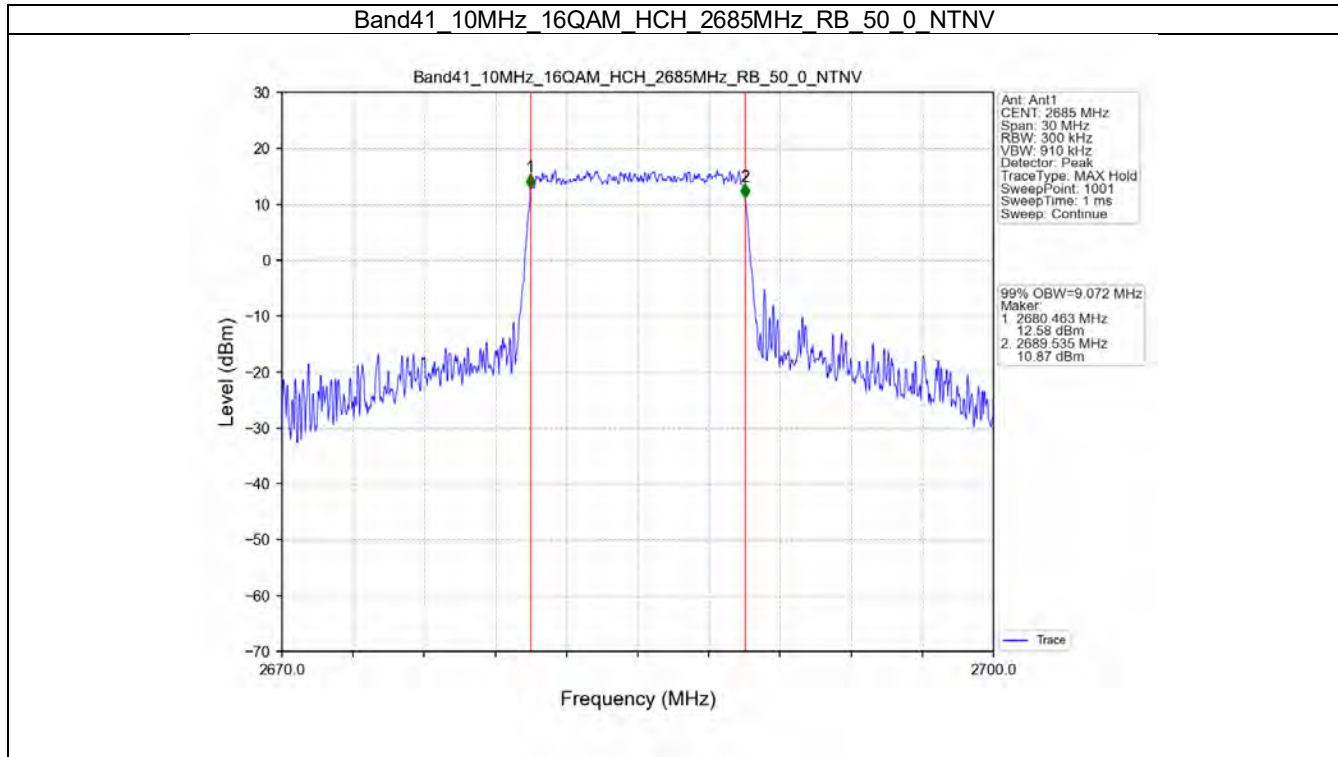


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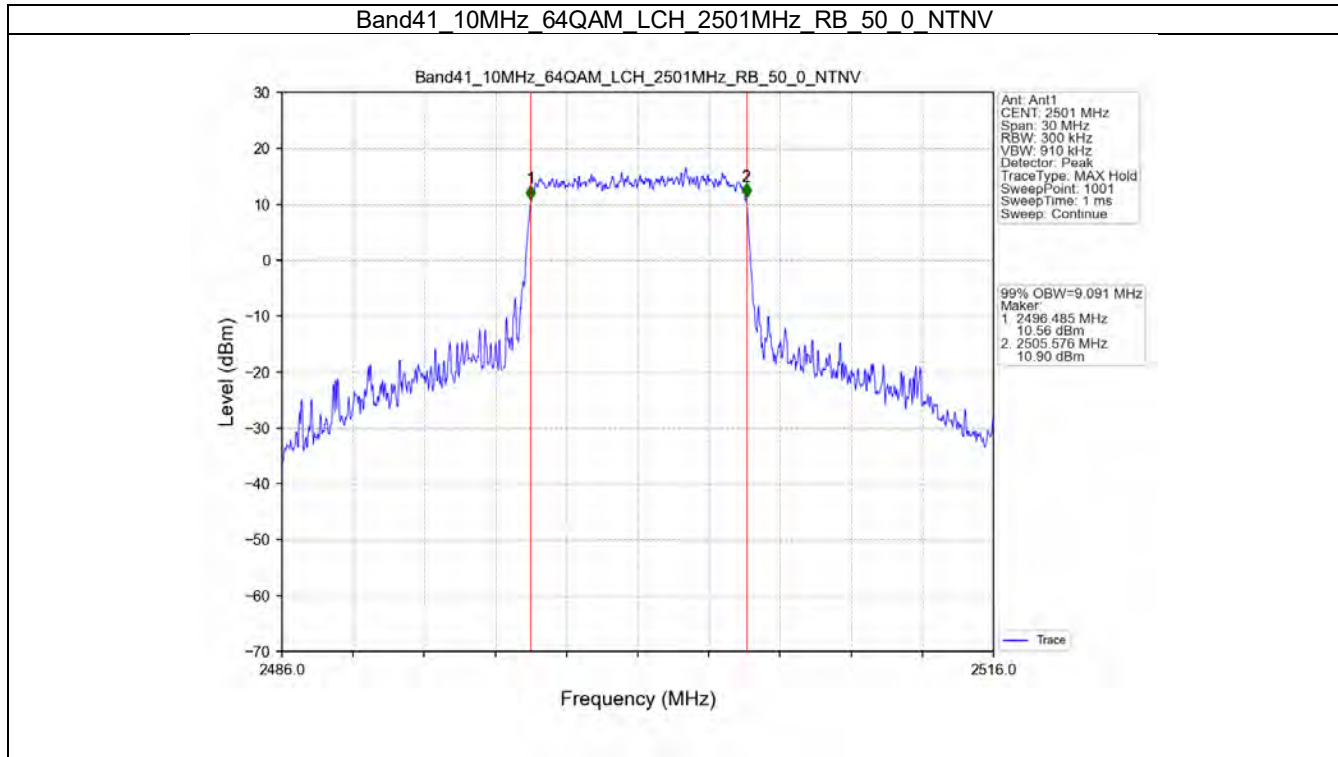


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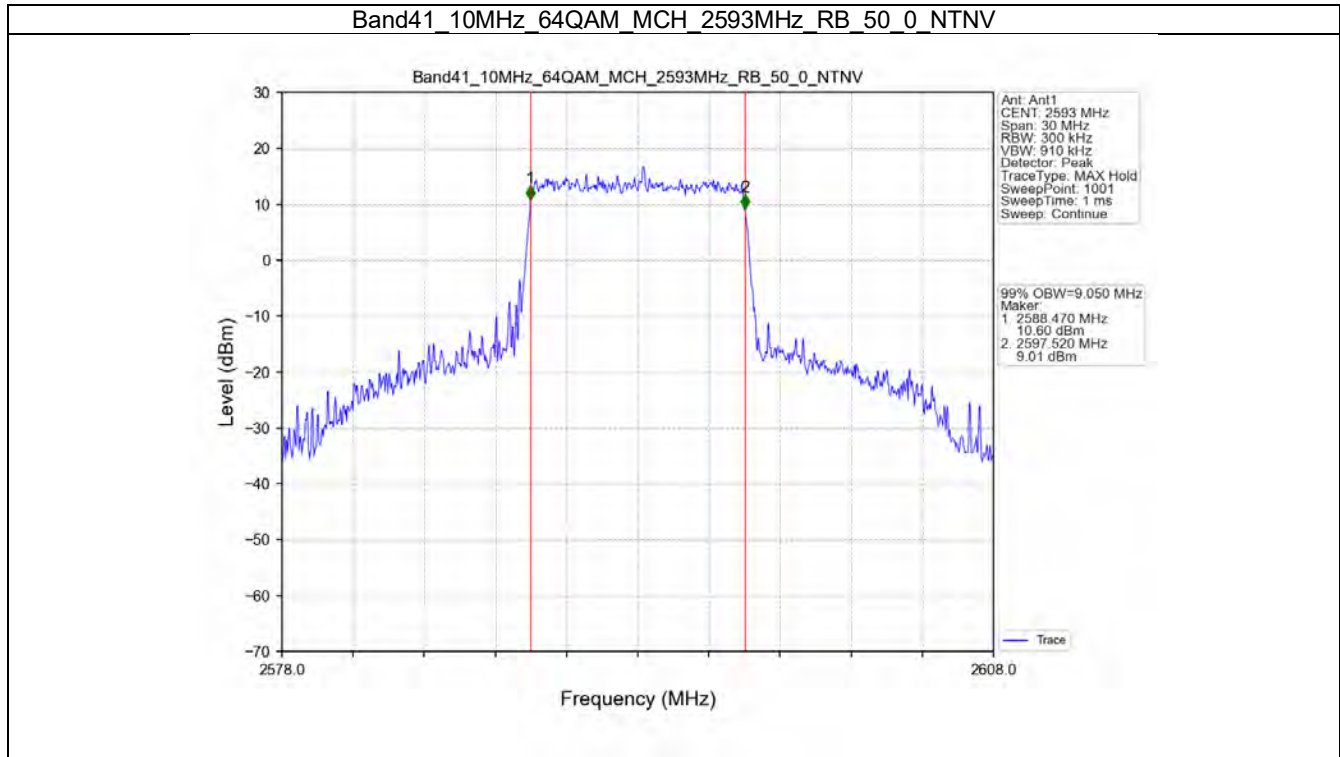


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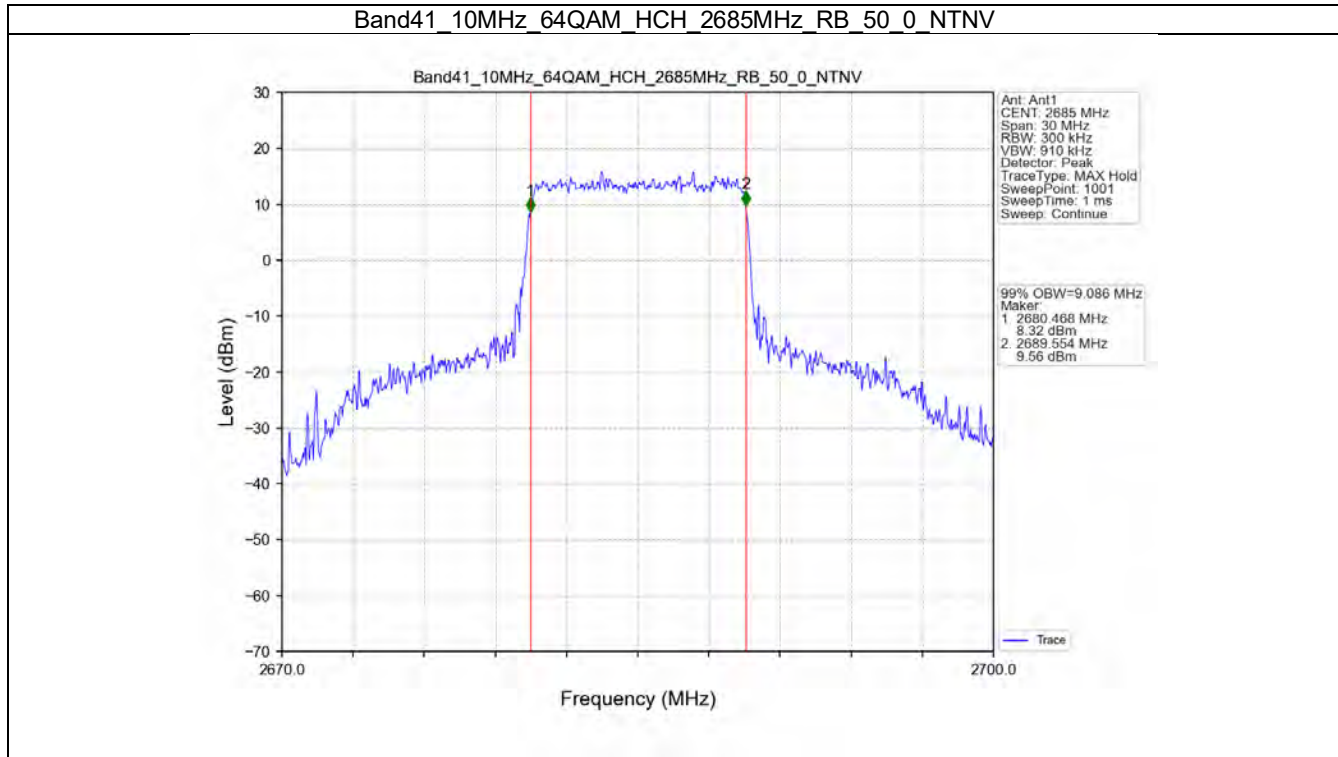


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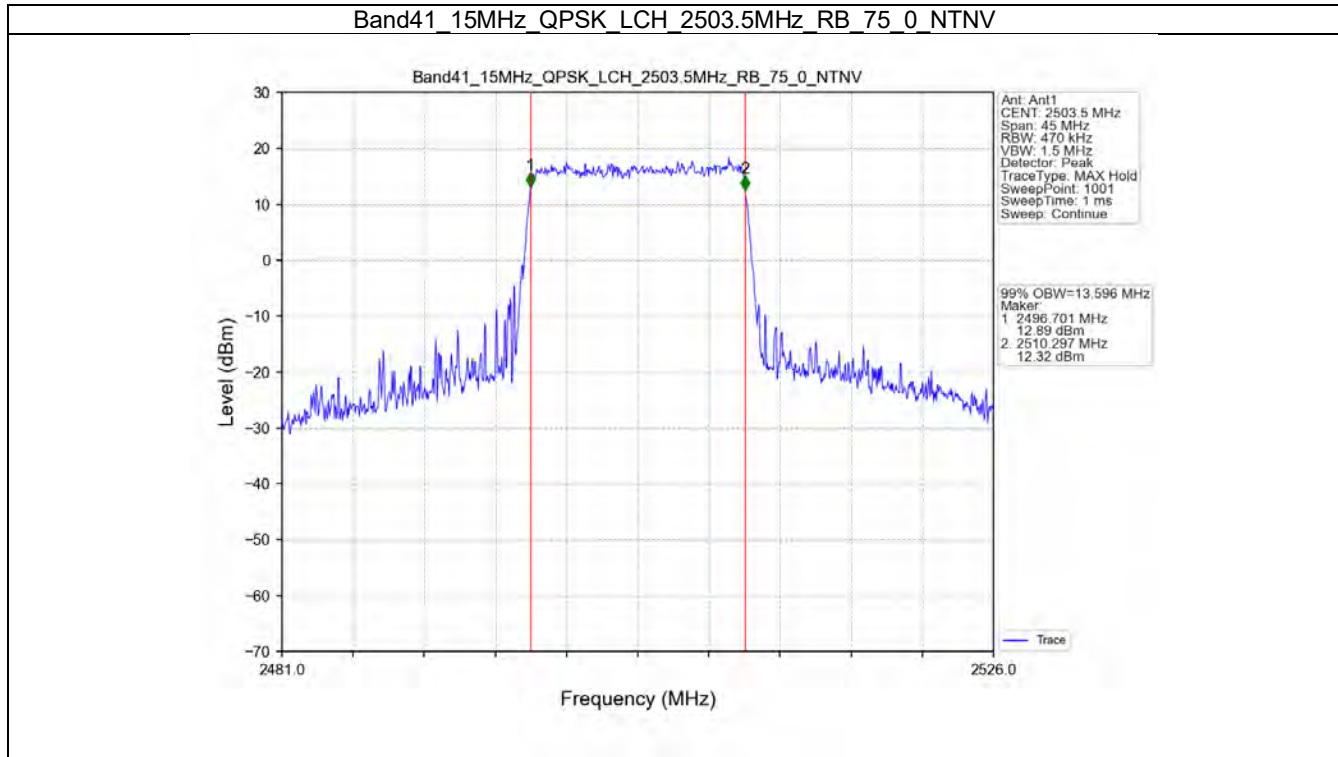


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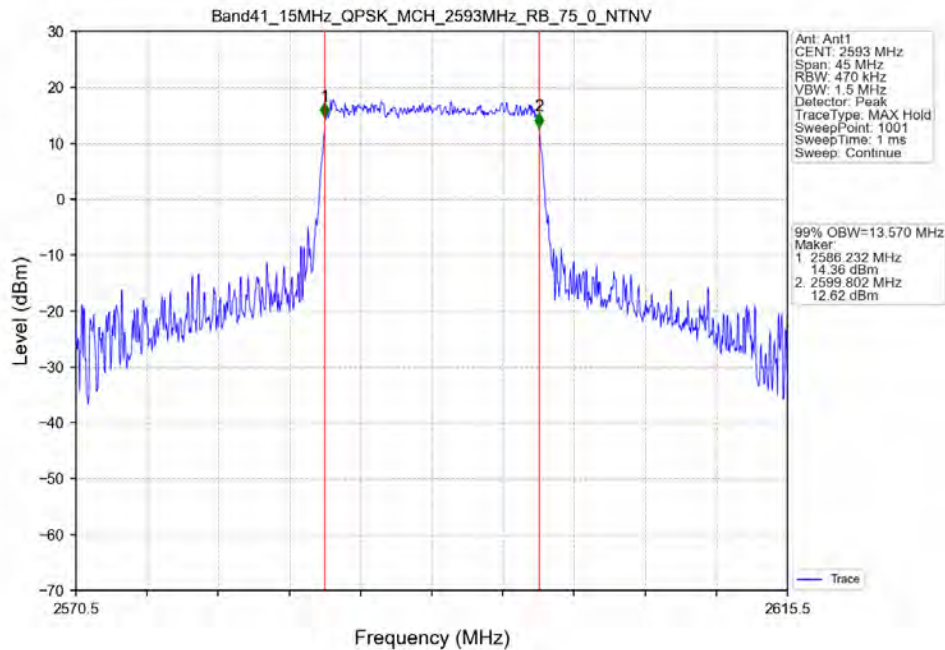
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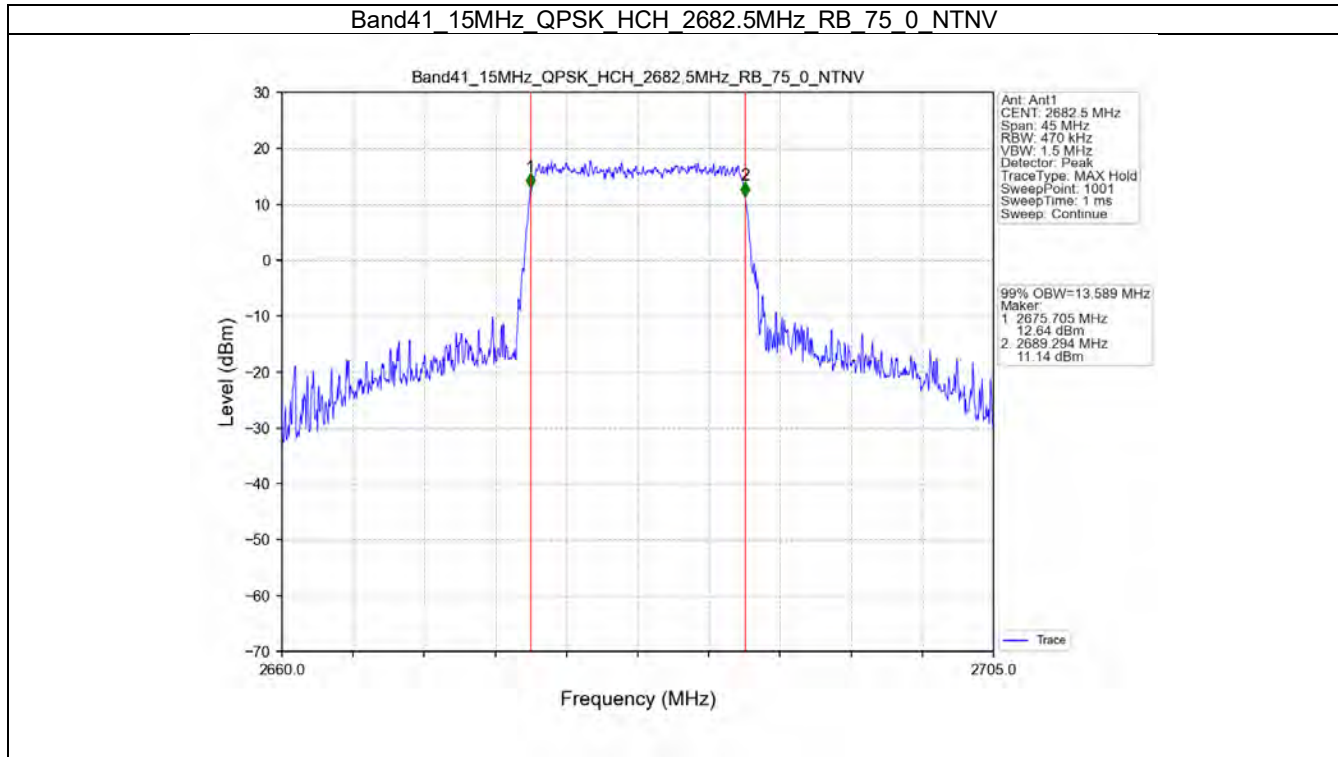


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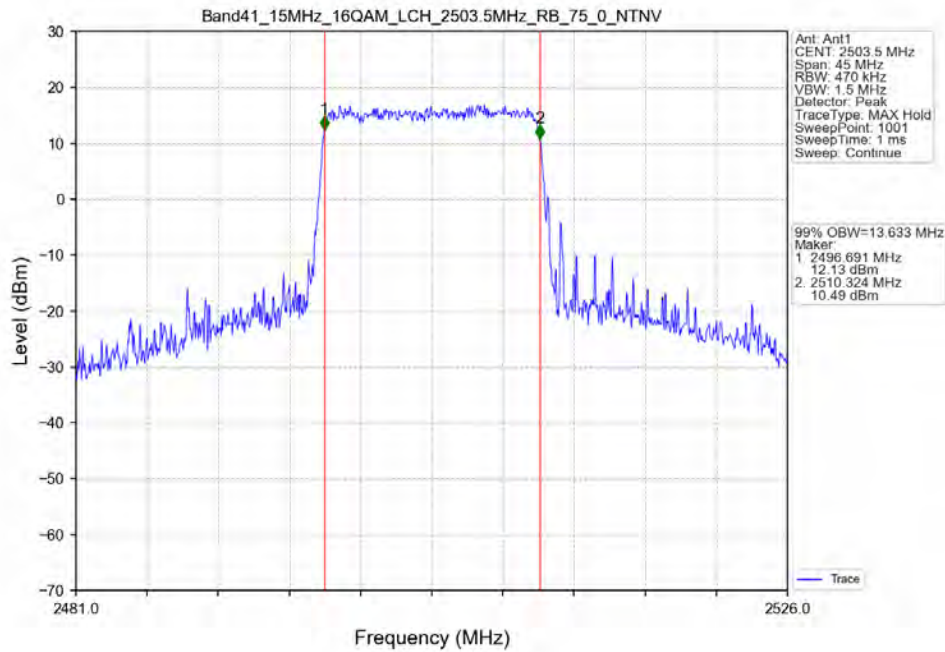
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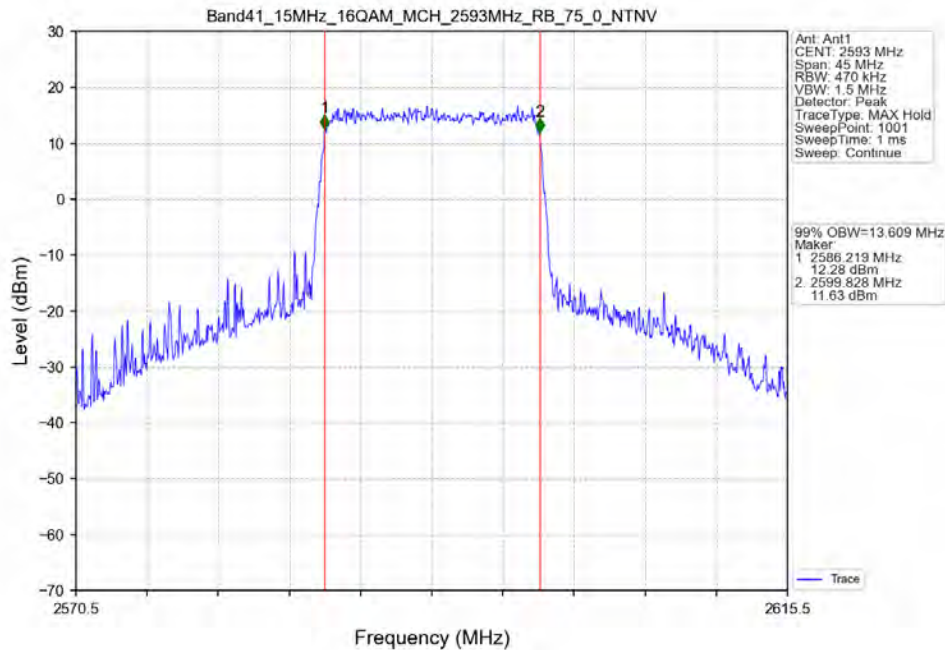
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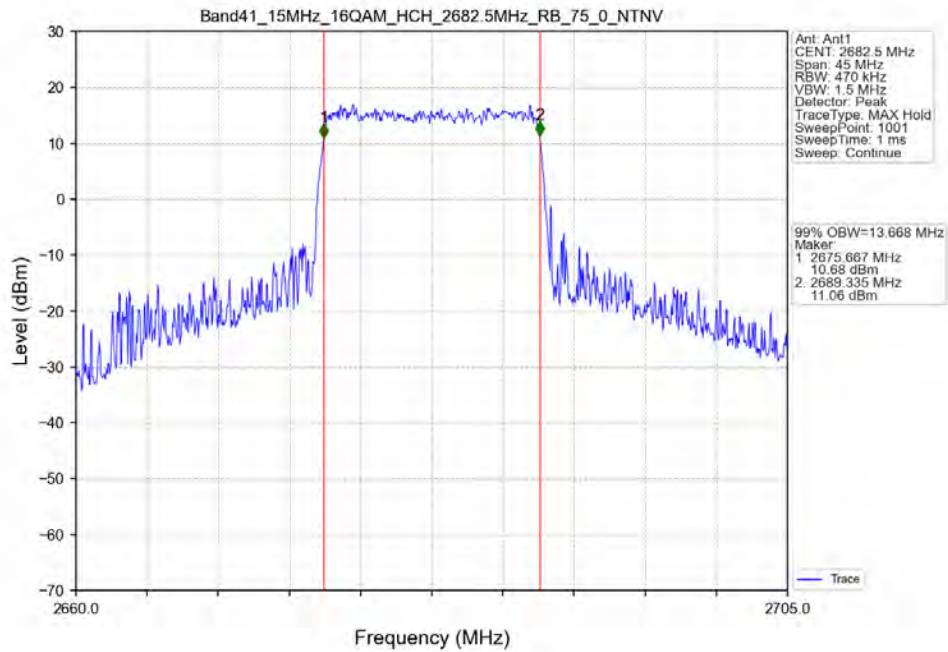
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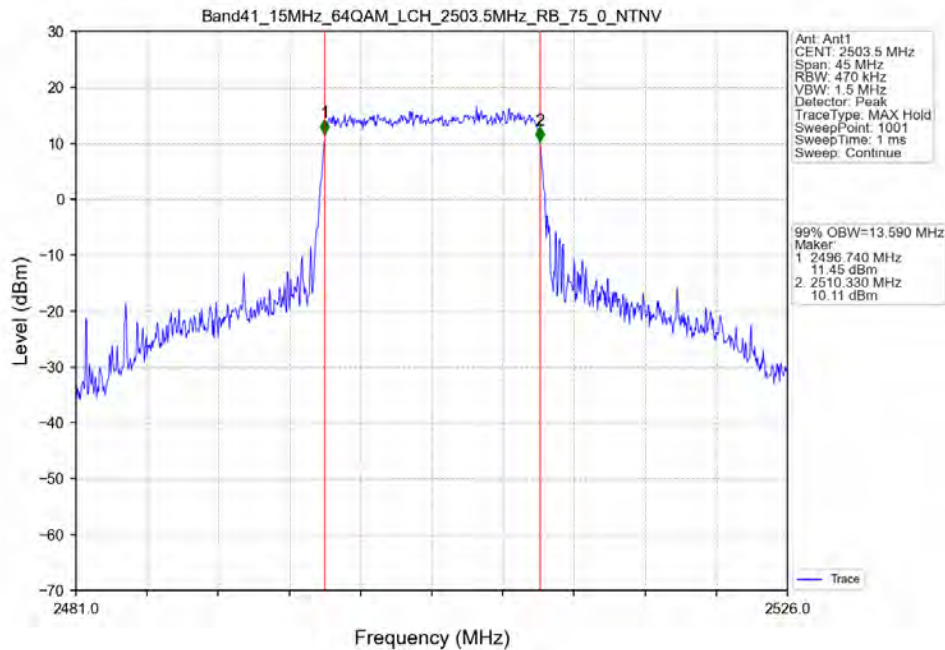
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Band41_15MHz_64QAM_LCH_2503.5MHz_RB_75_0_NTNV



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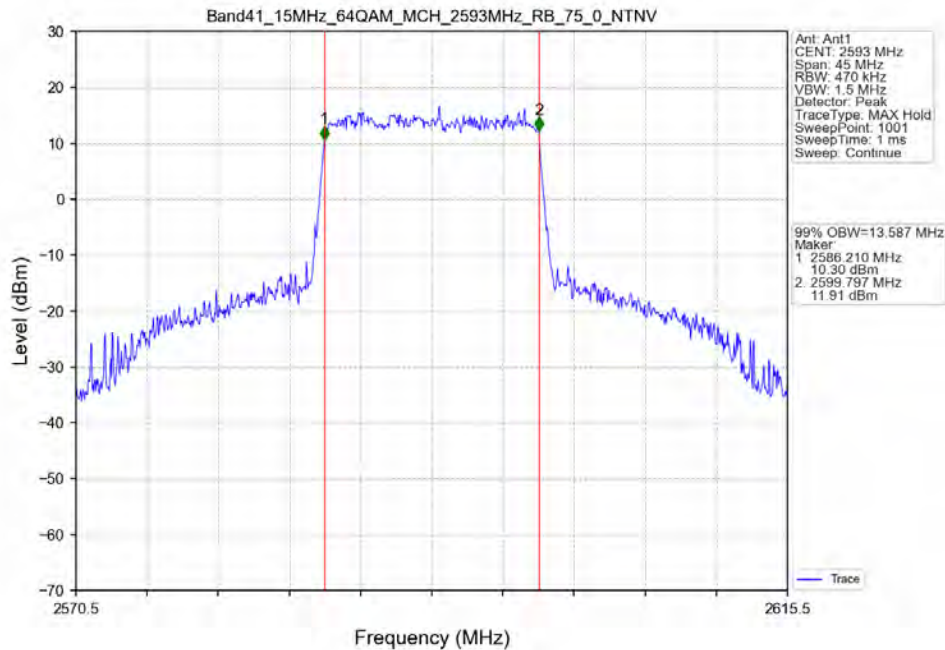
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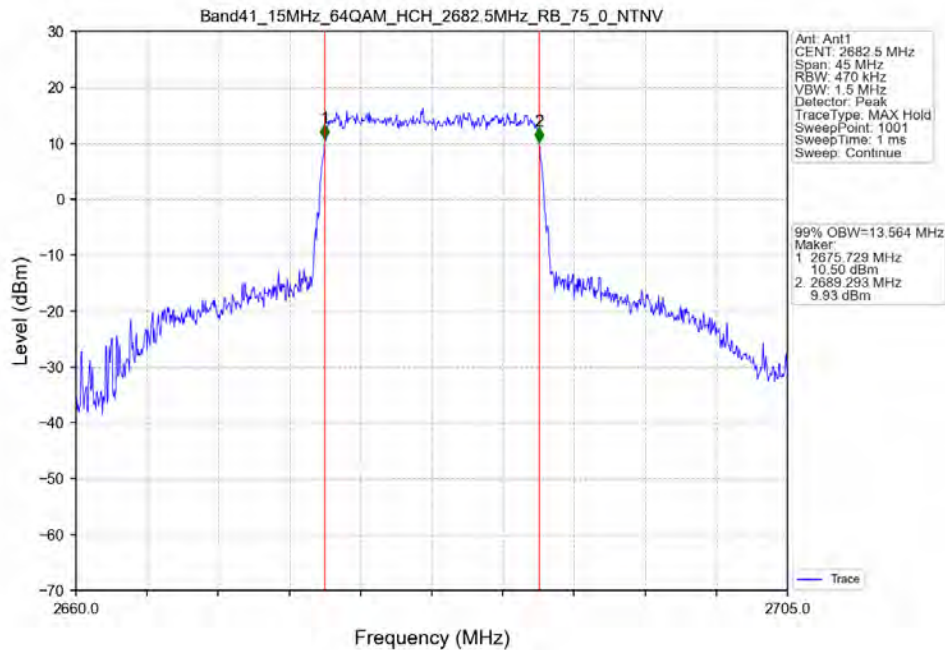
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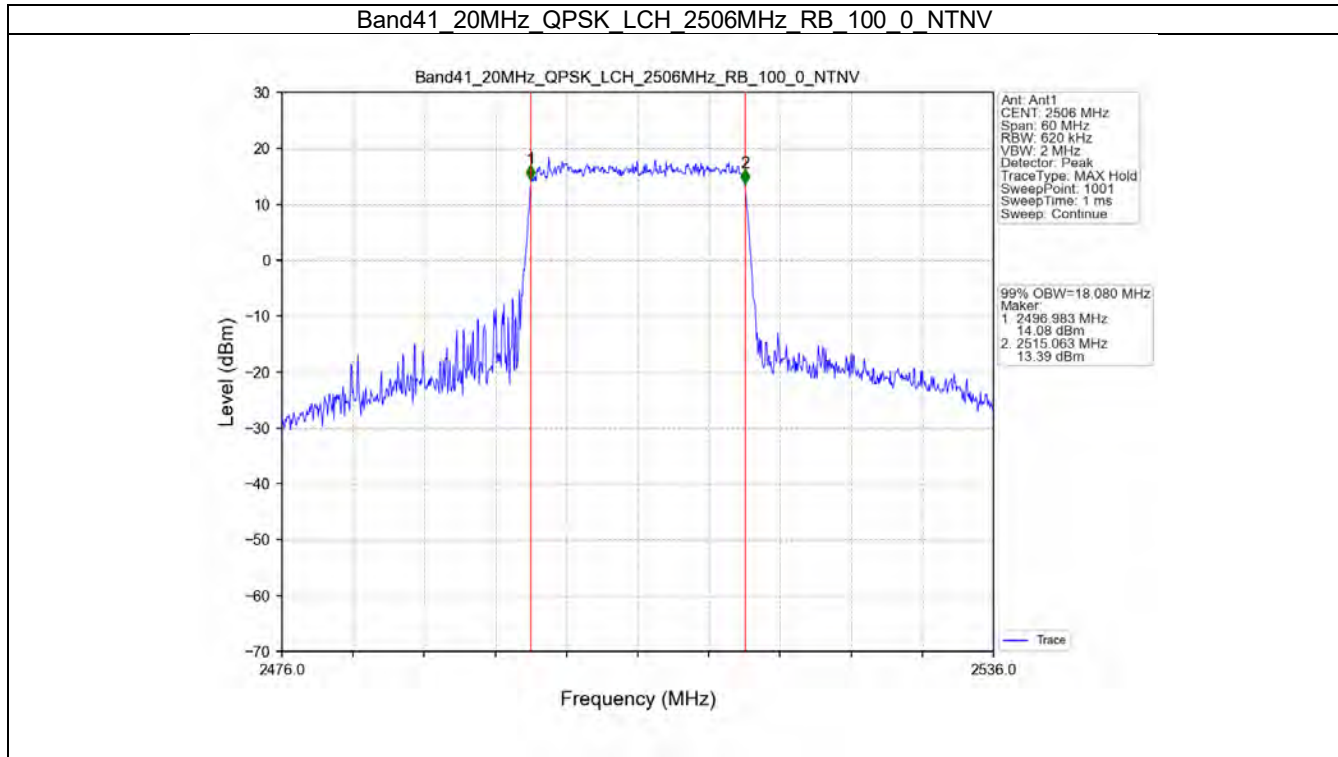


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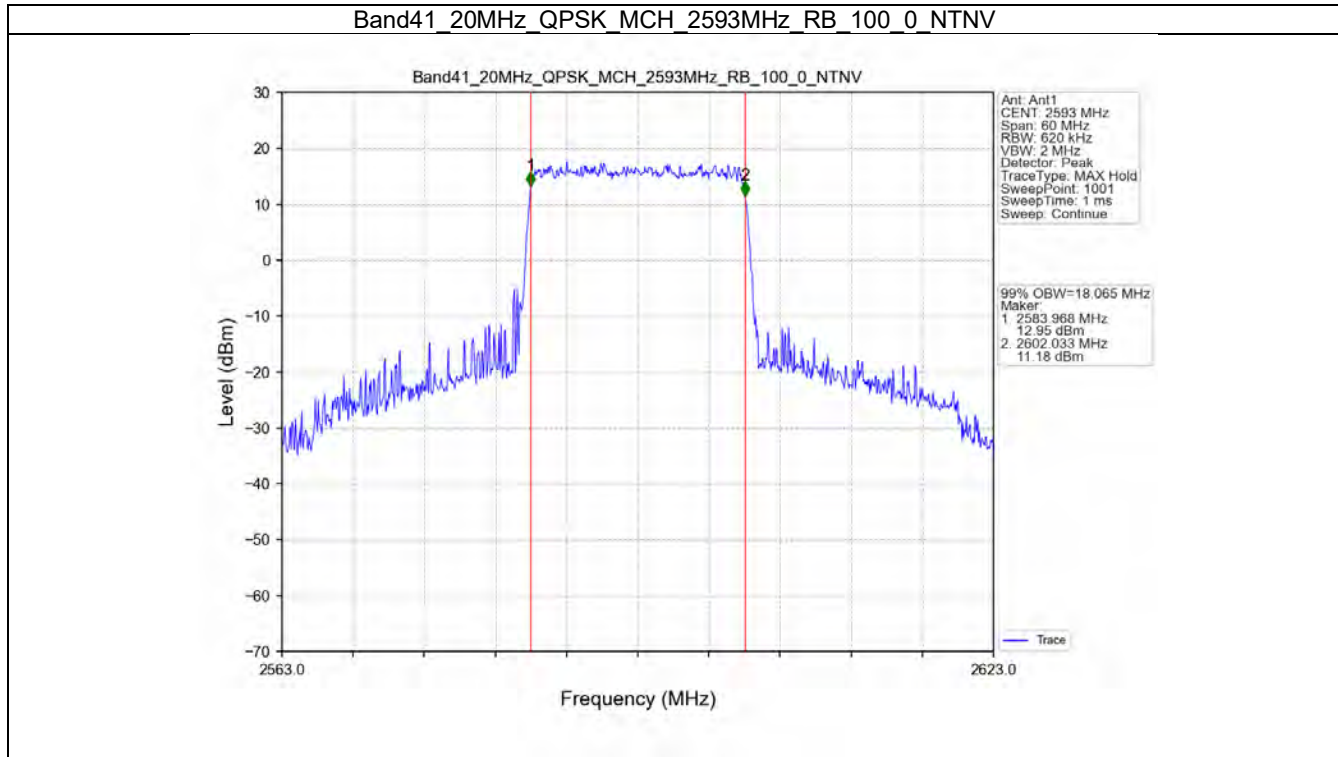


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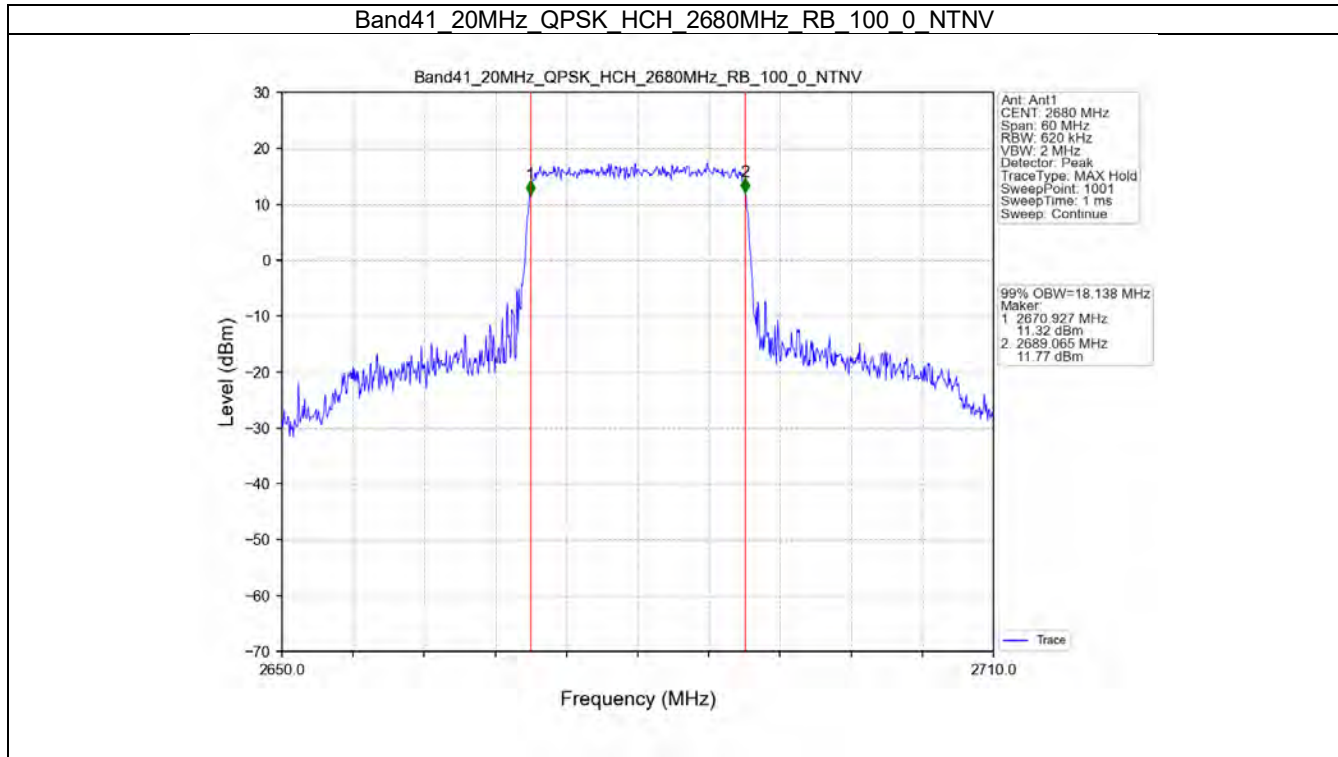


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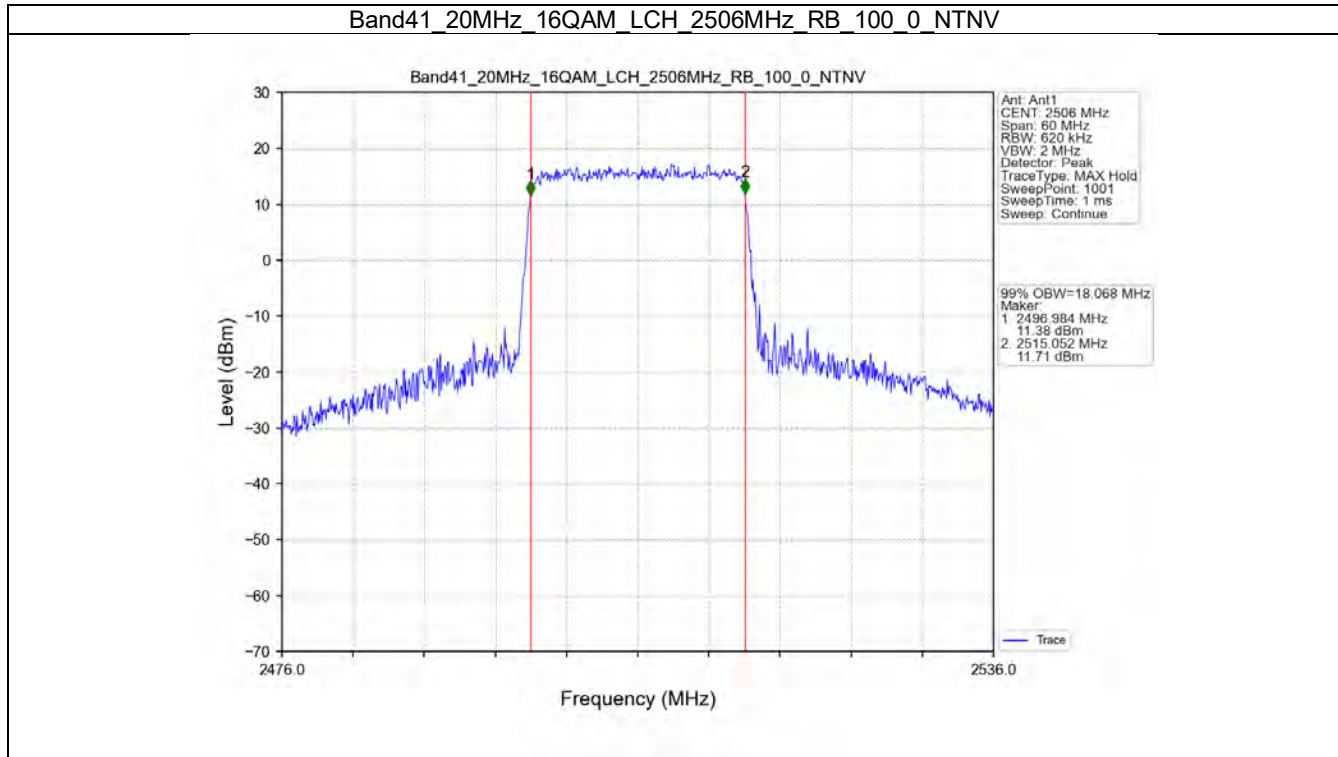


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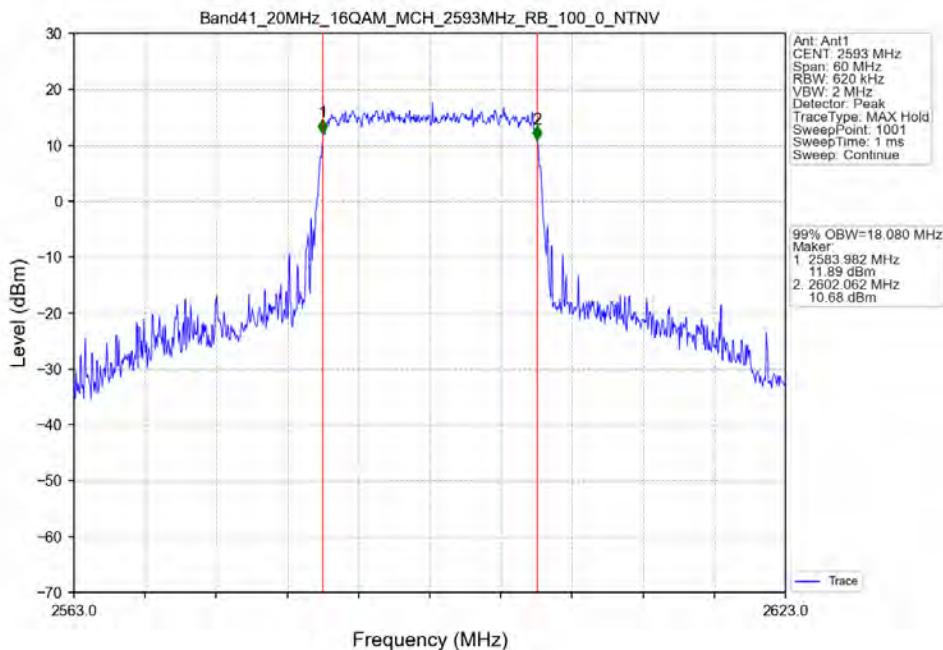
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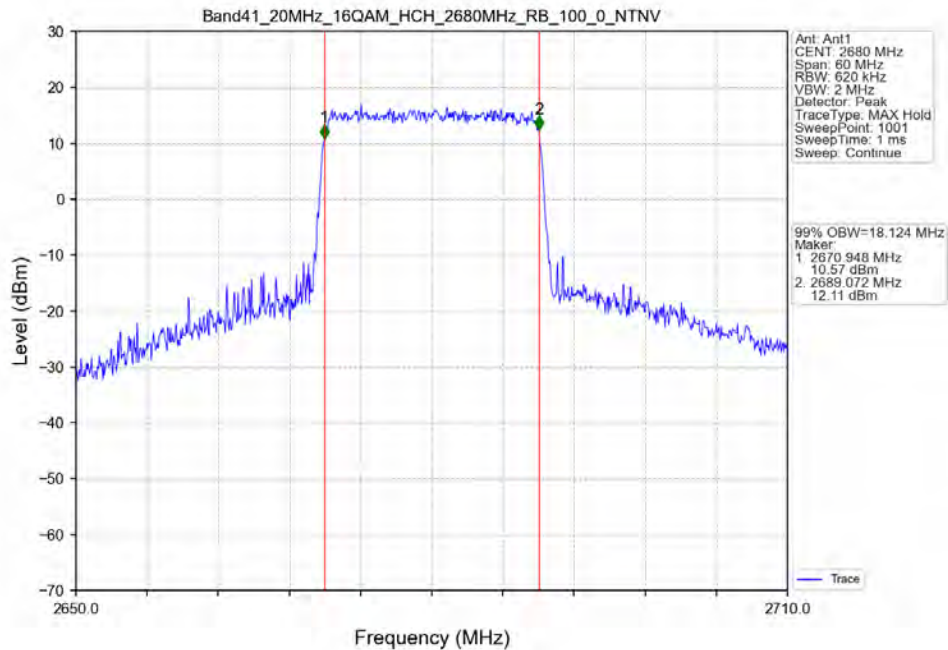
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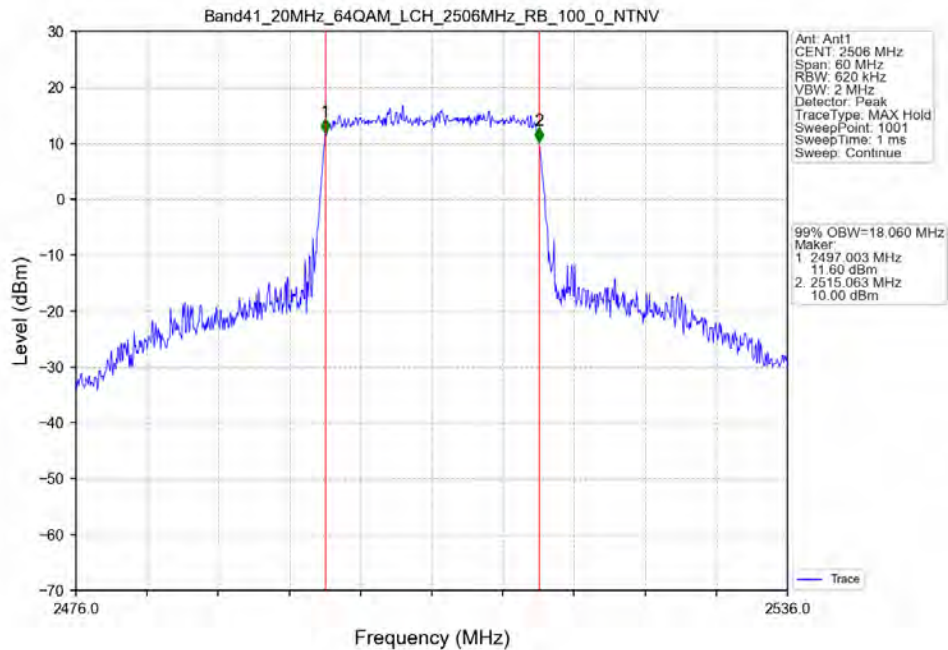
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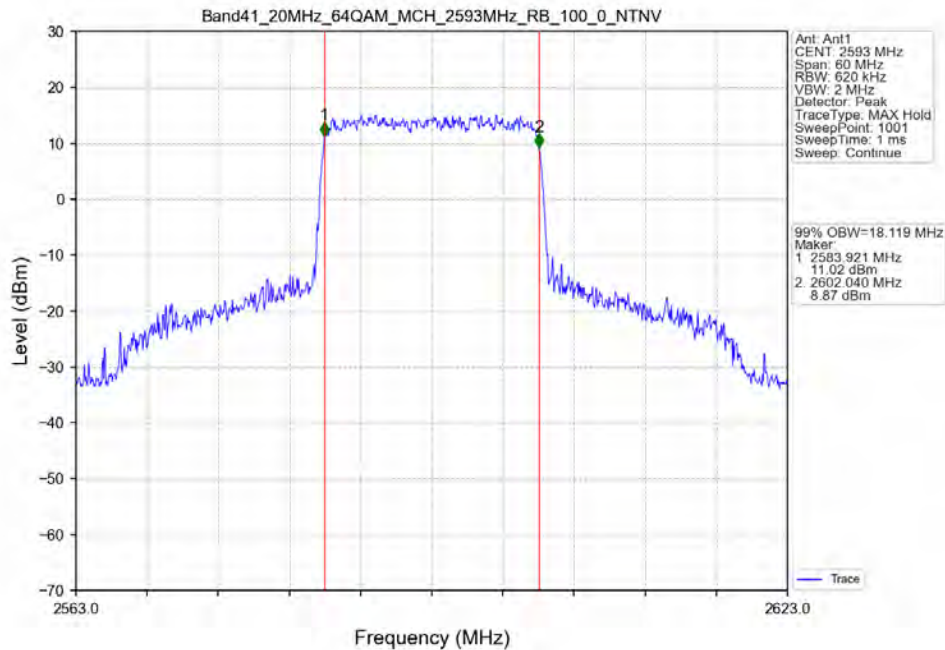
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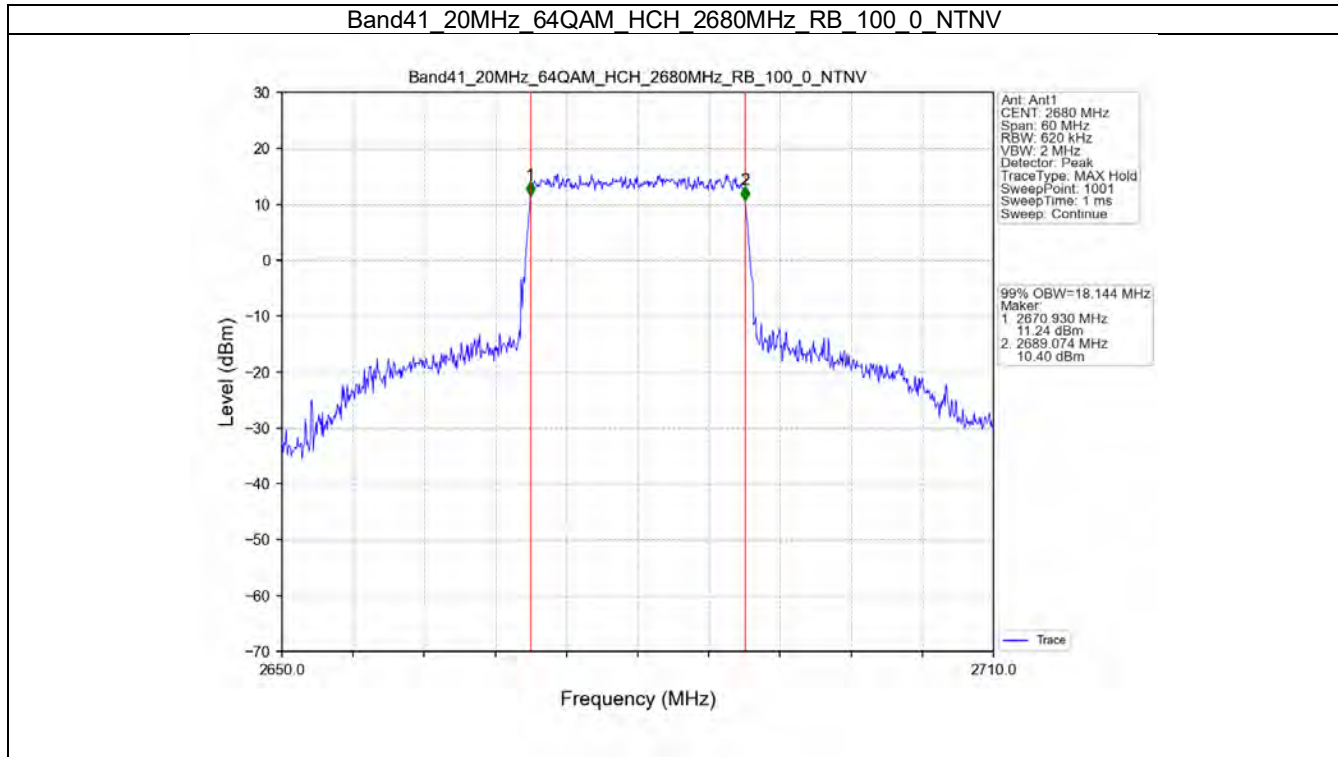


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3.2 Band41_XDB

3.2.1 Test Result

Band: 41 / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	2498.5	25	0	5.152	/	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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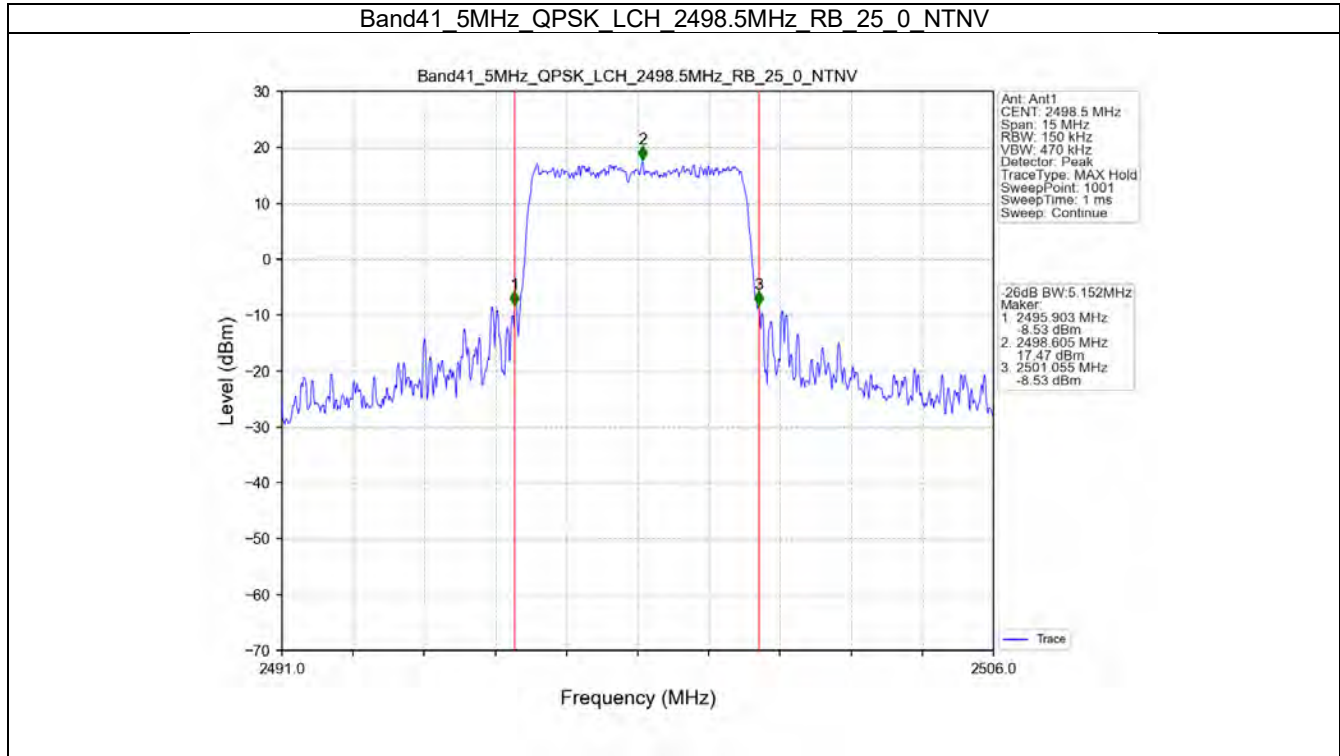
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3.2.2 Test Graph



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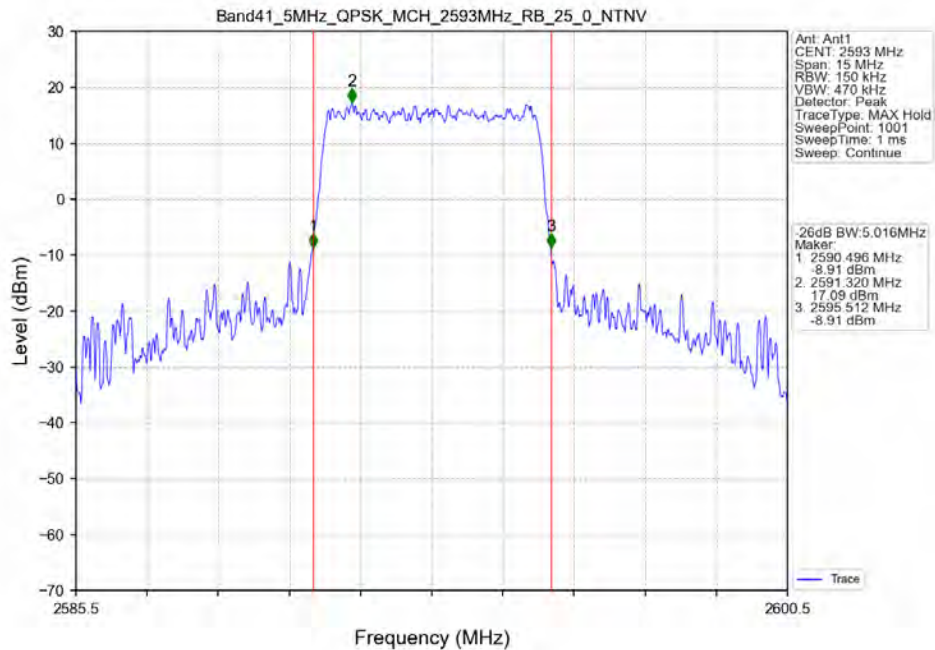
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Band41_5MHz_QPSK_MCH_2593MHz_RB_25_0_NTNV



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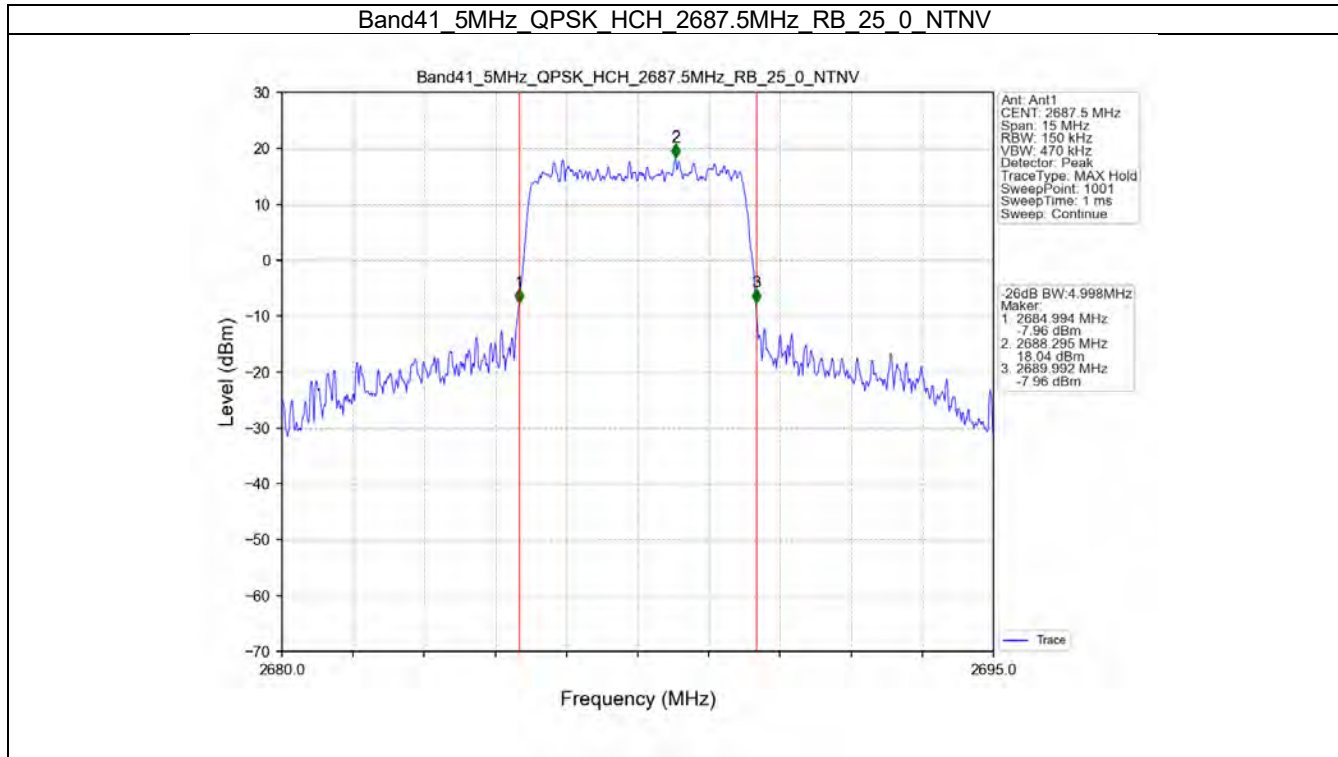


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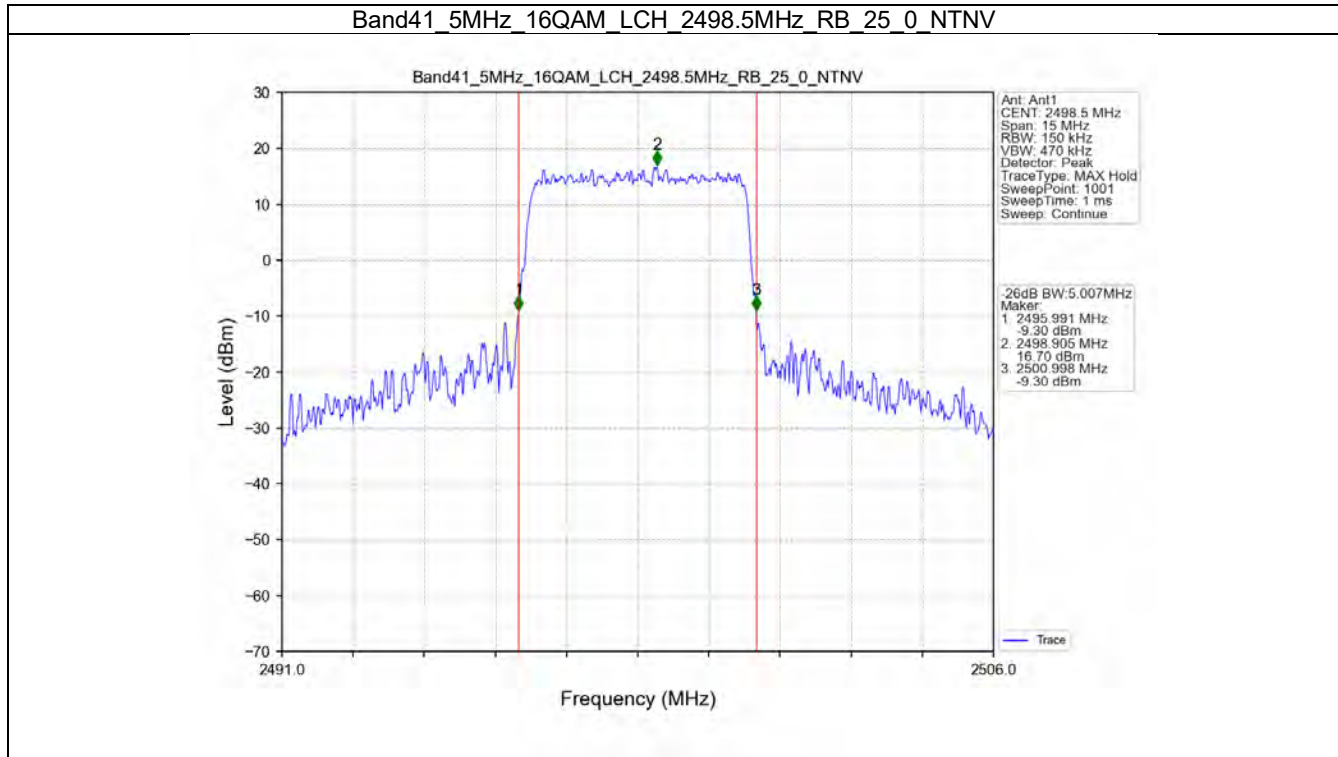


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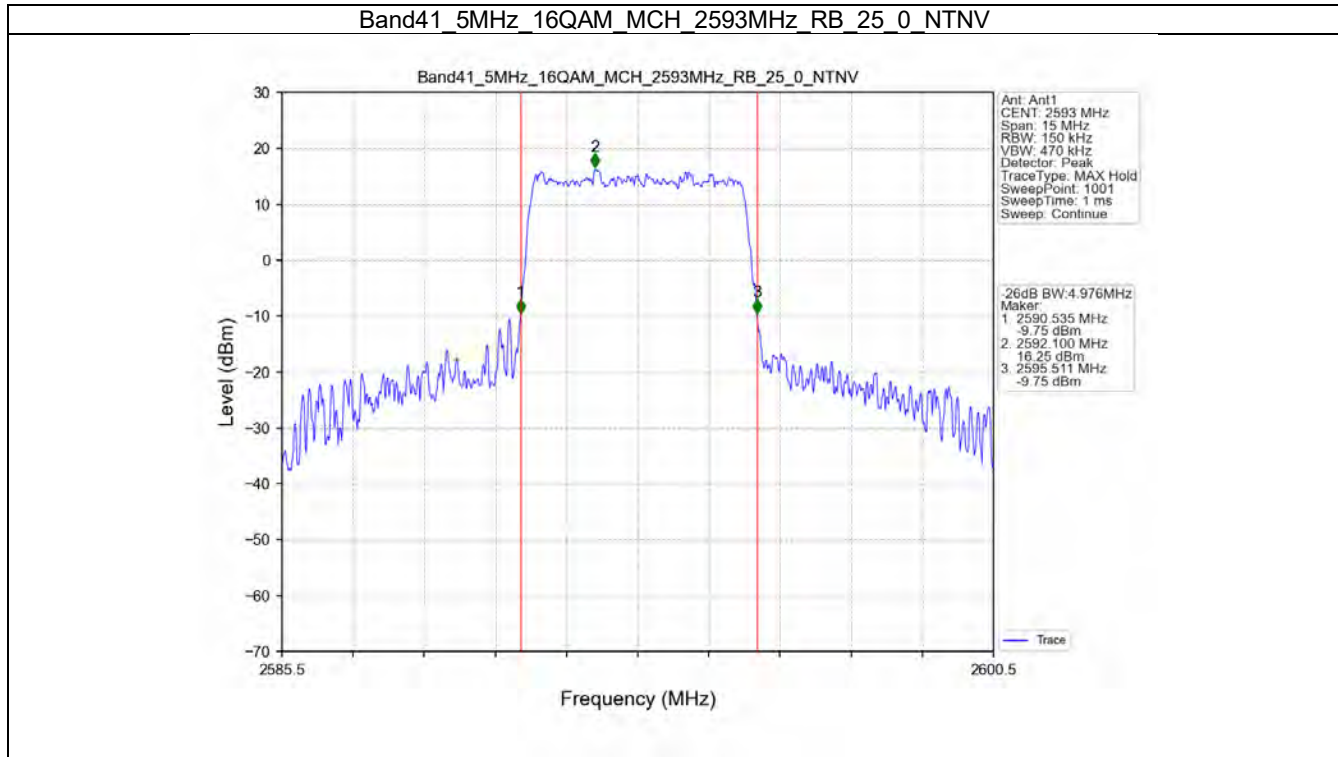


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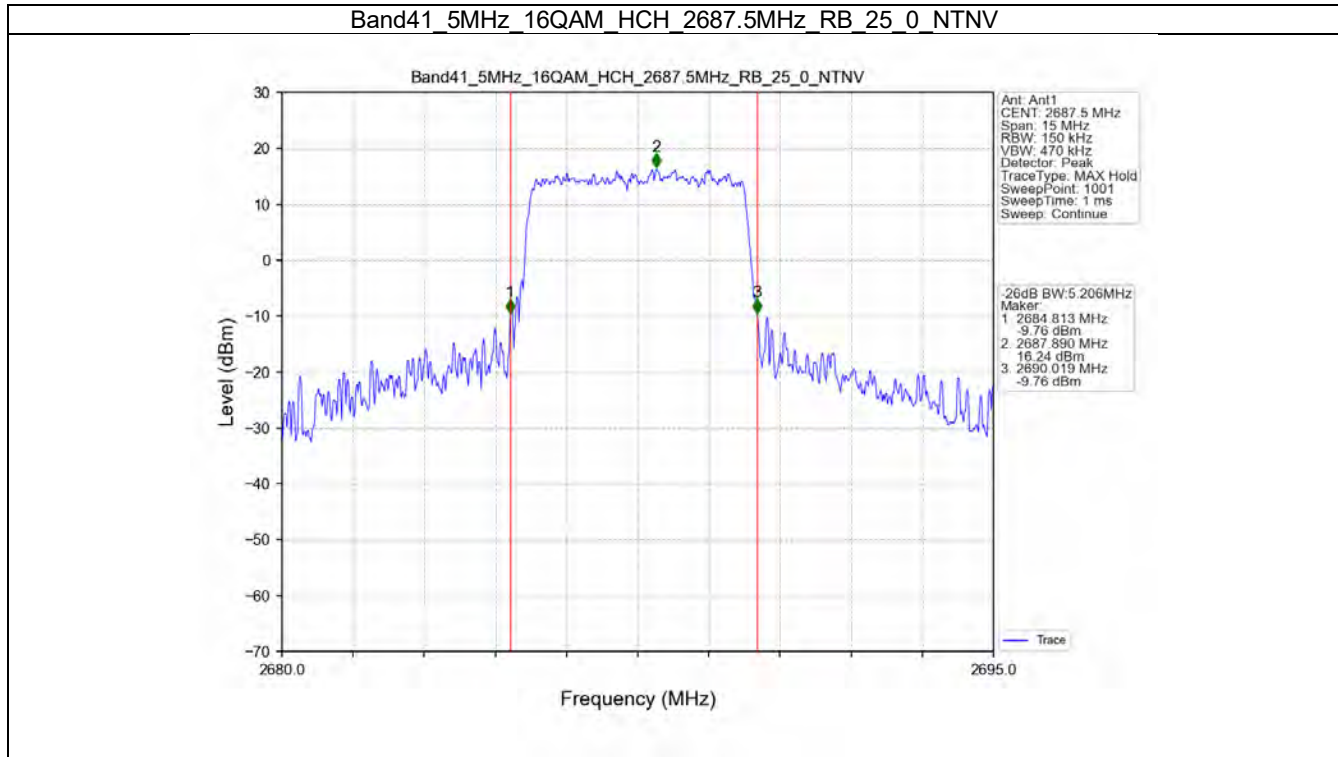


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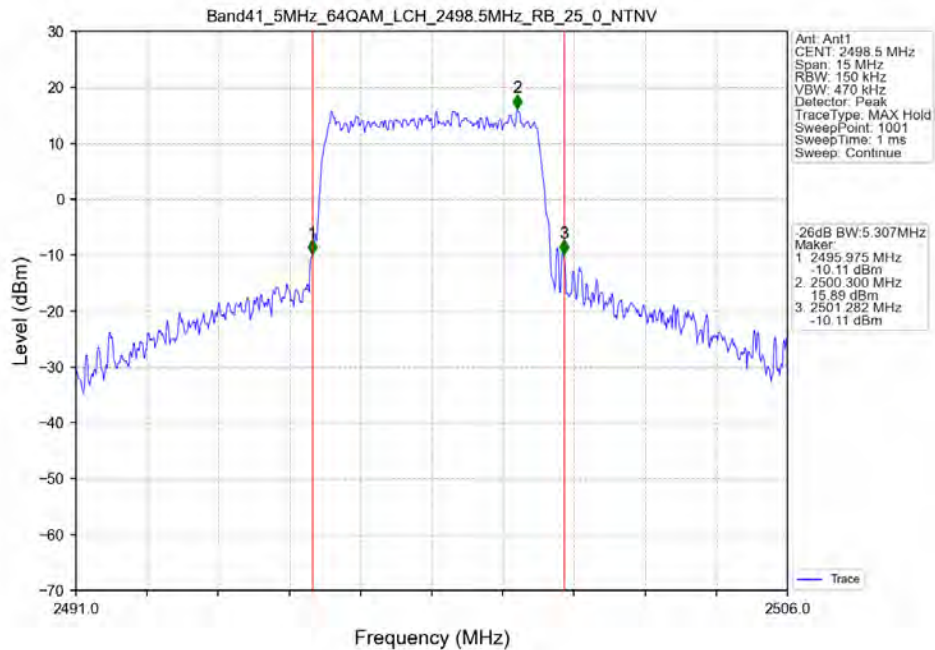
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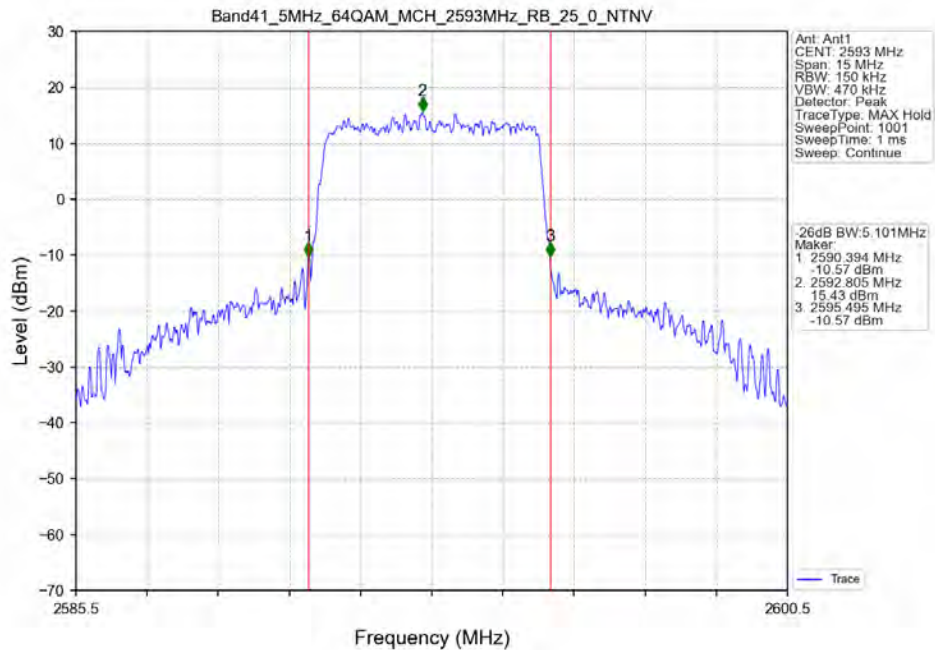
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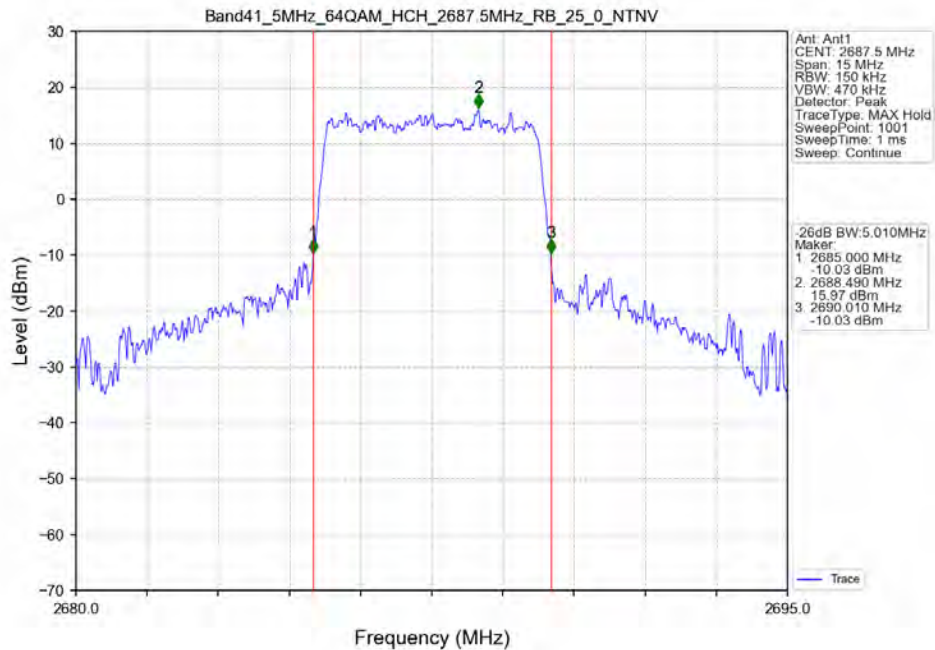
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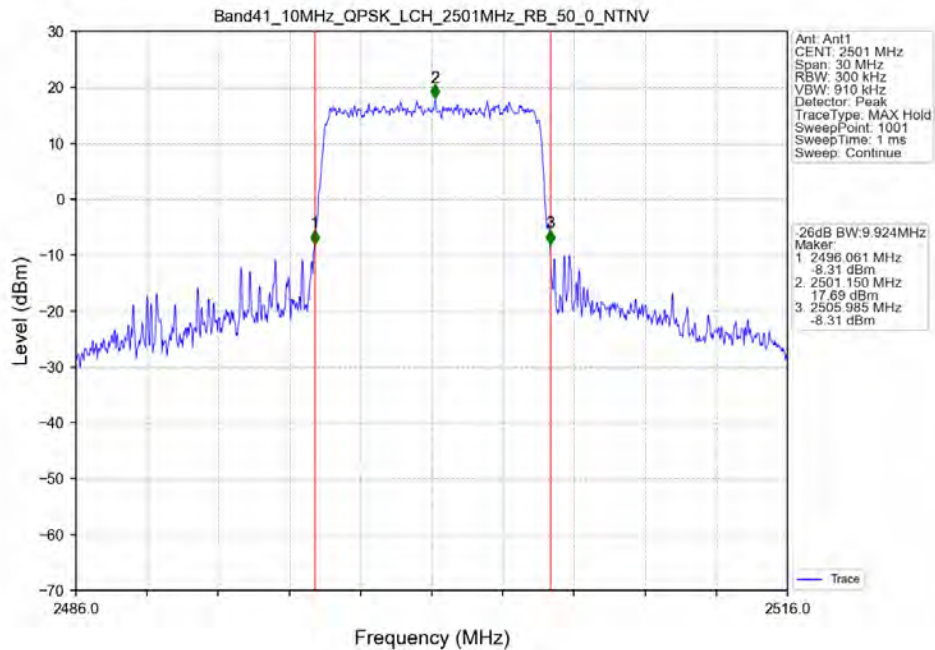
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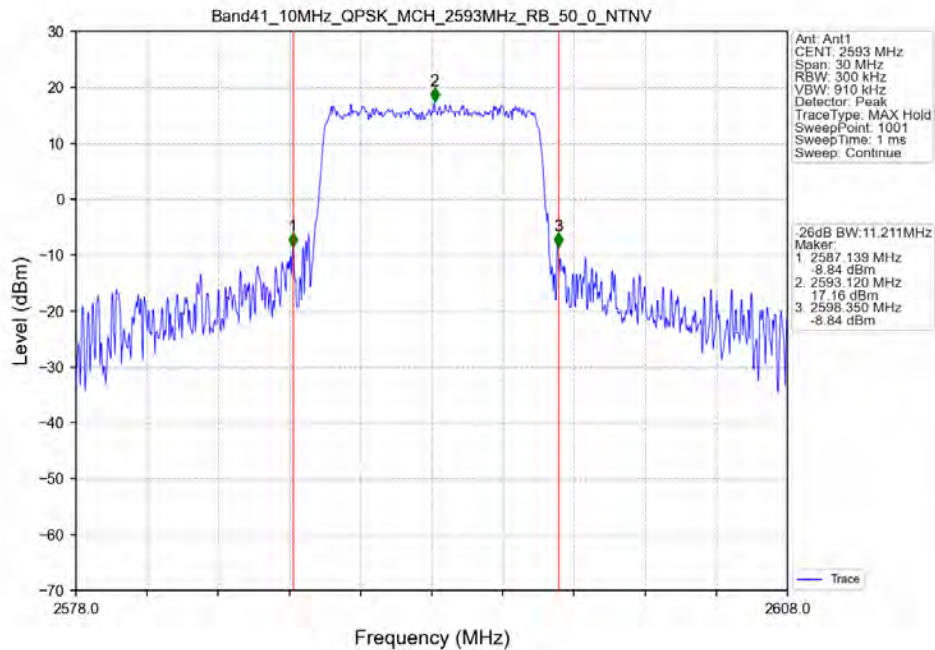
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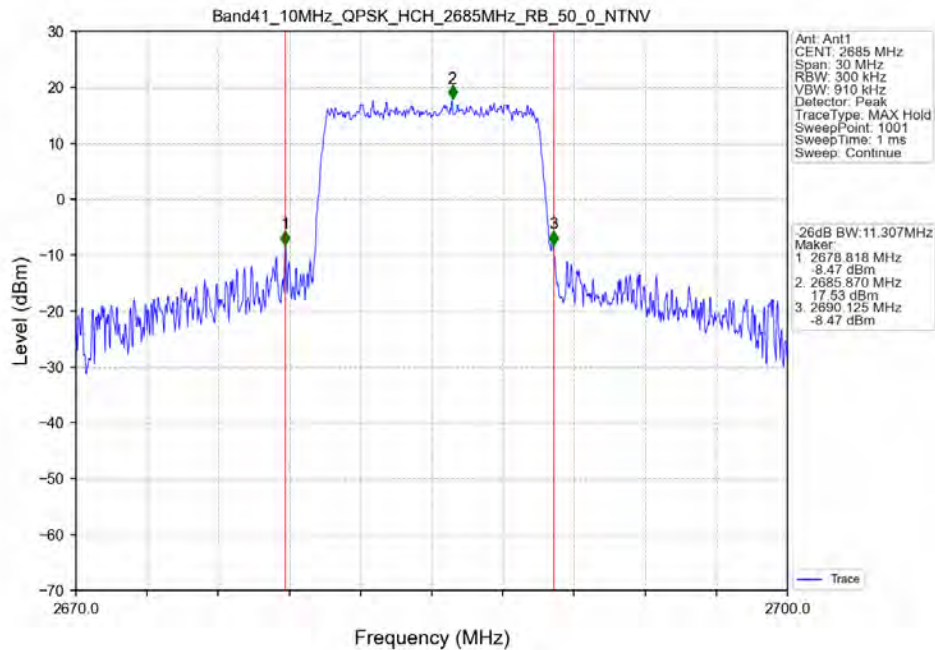
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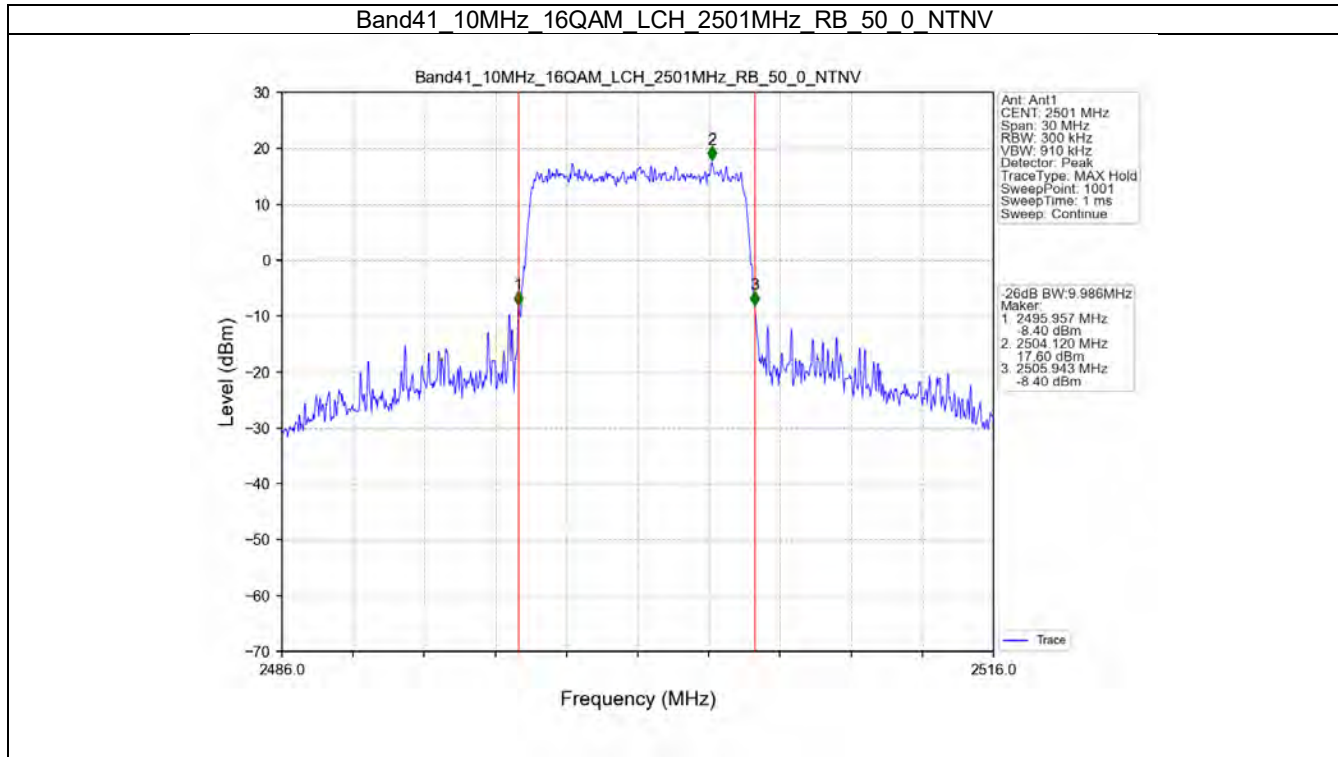


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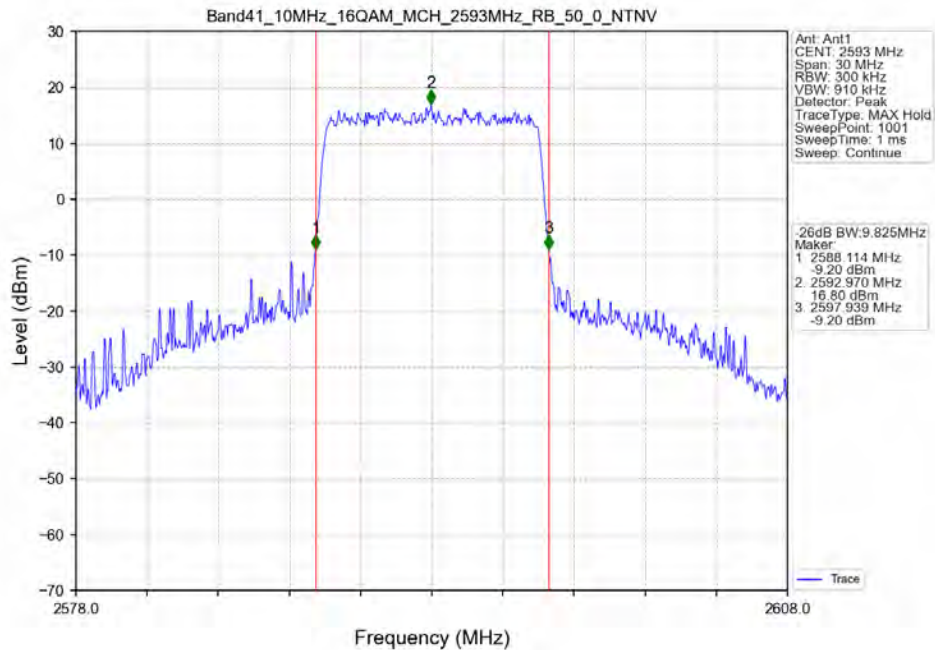
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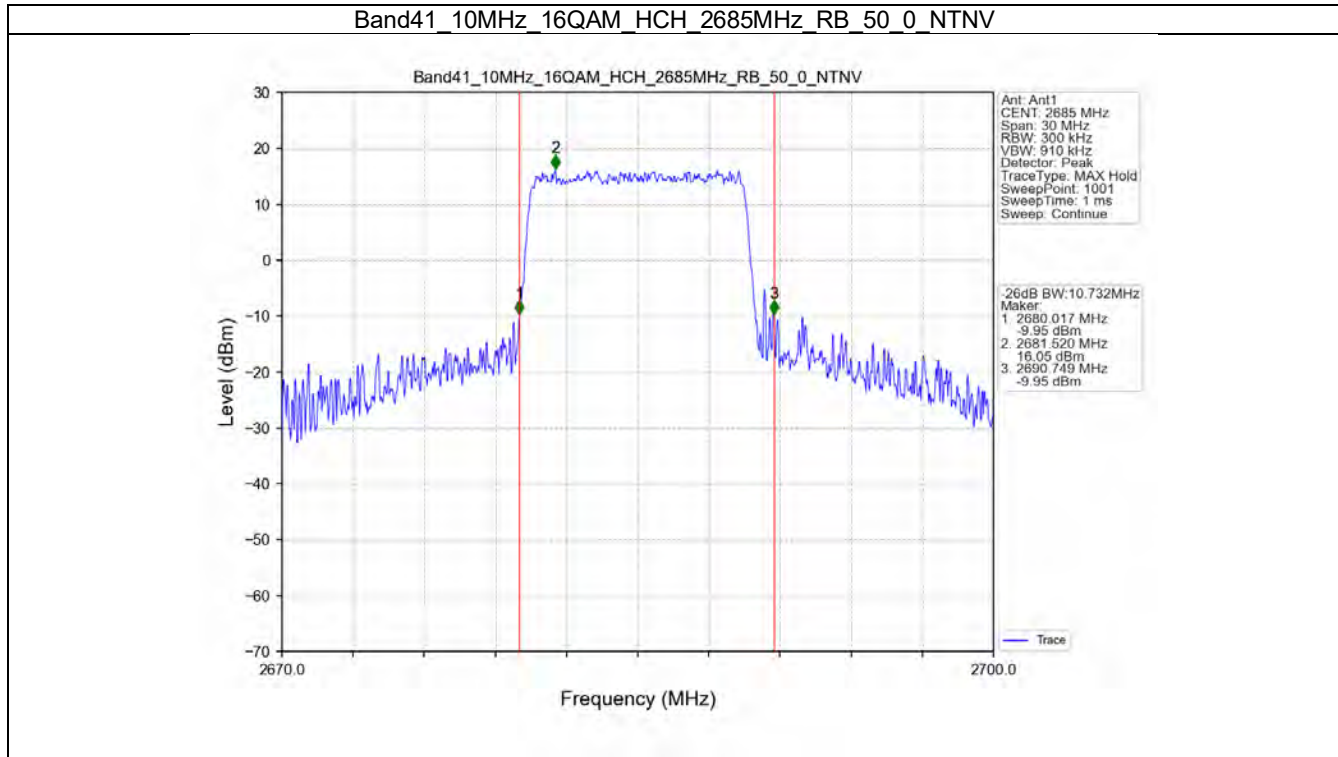


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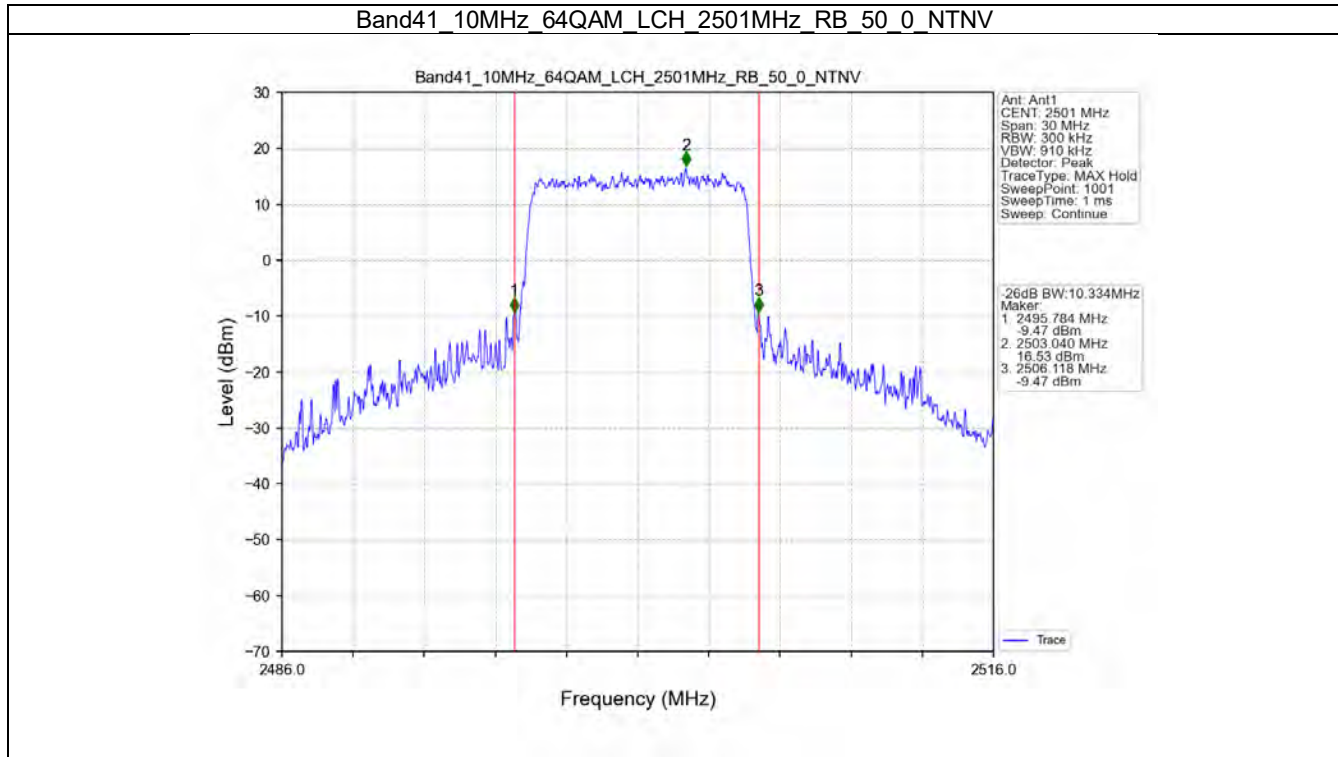


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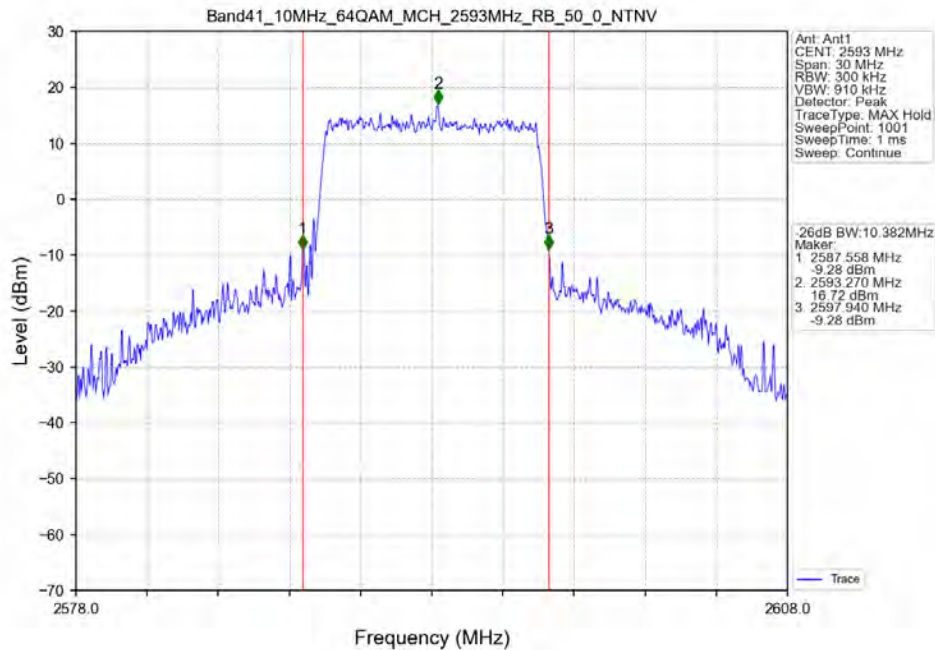
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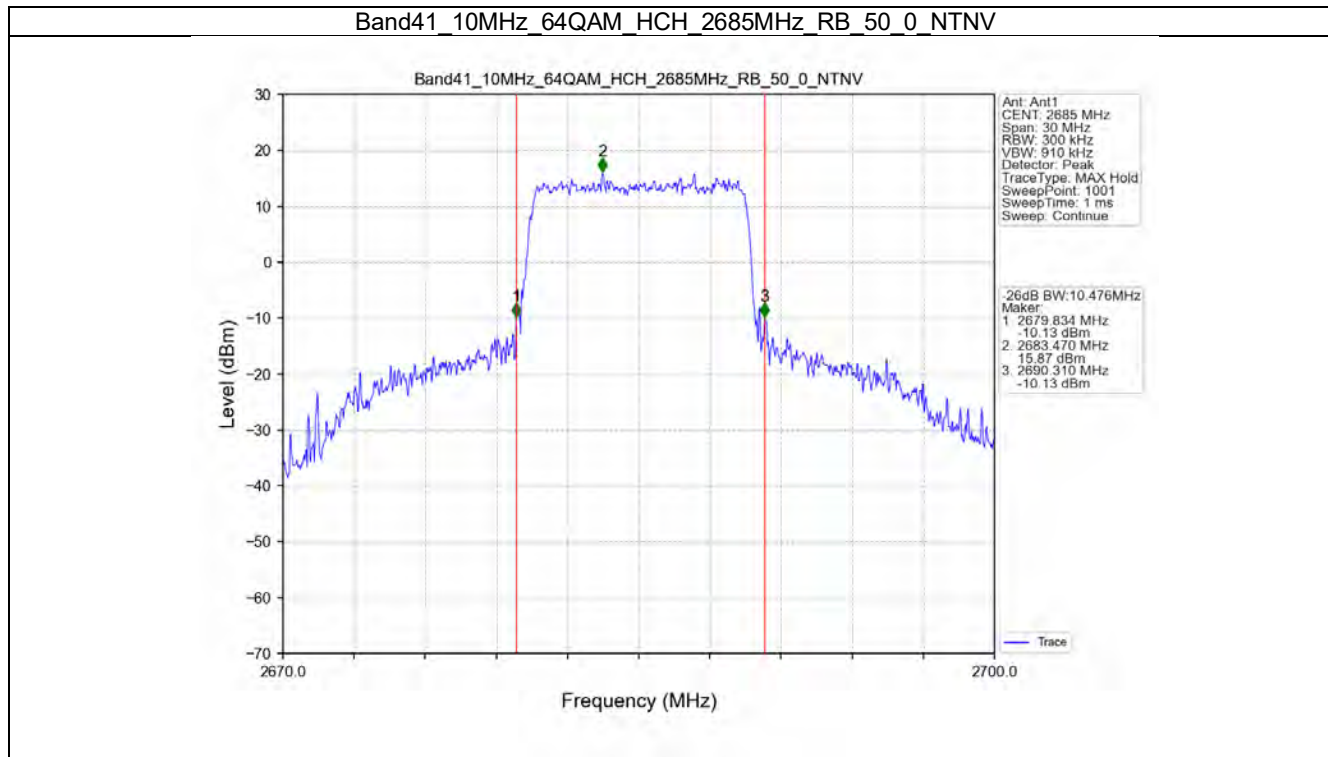


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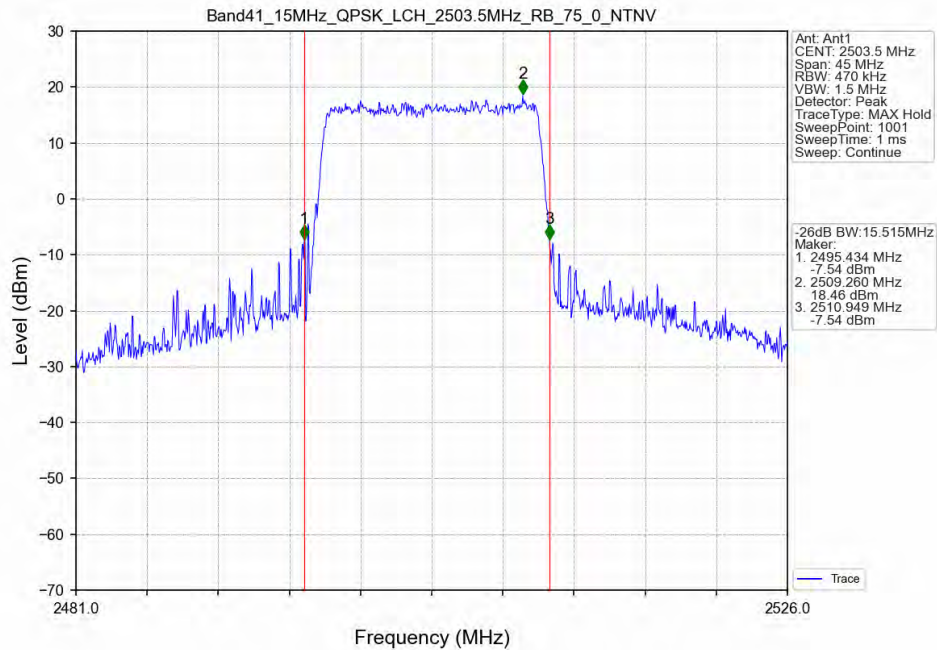
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Band41_15MHz_QPSK_LCH_2503.5MHz_RB_75_0_NTNV



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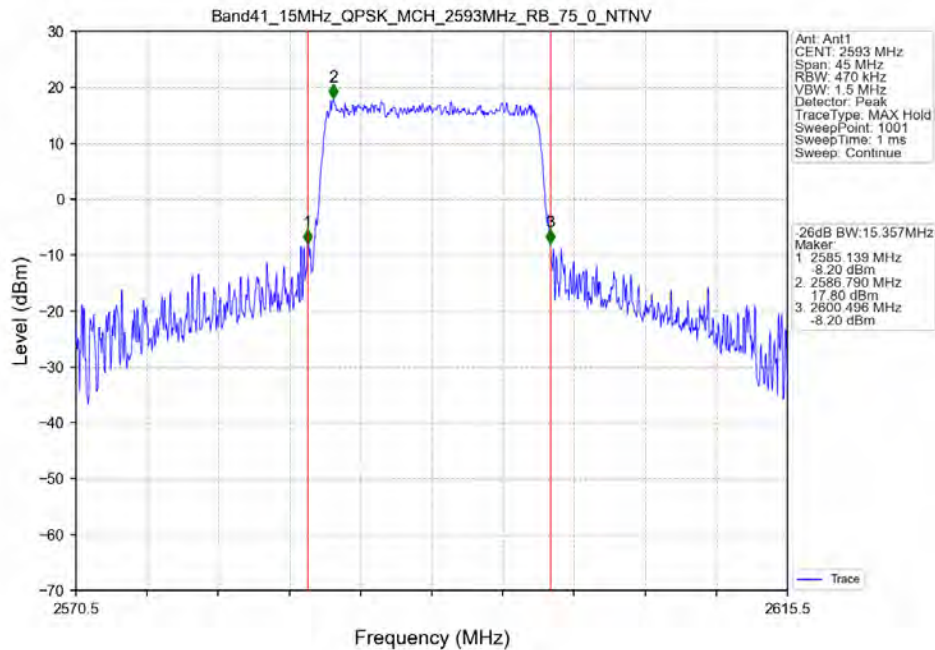
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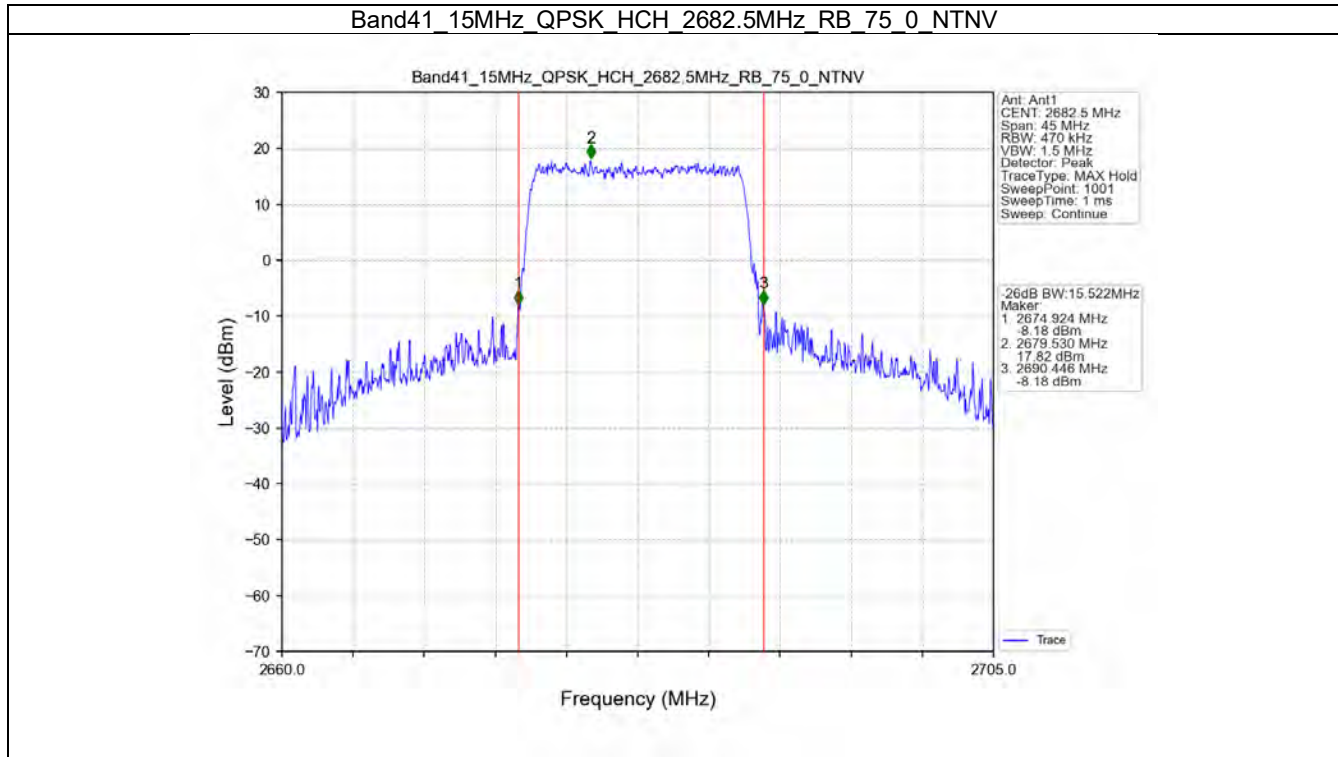


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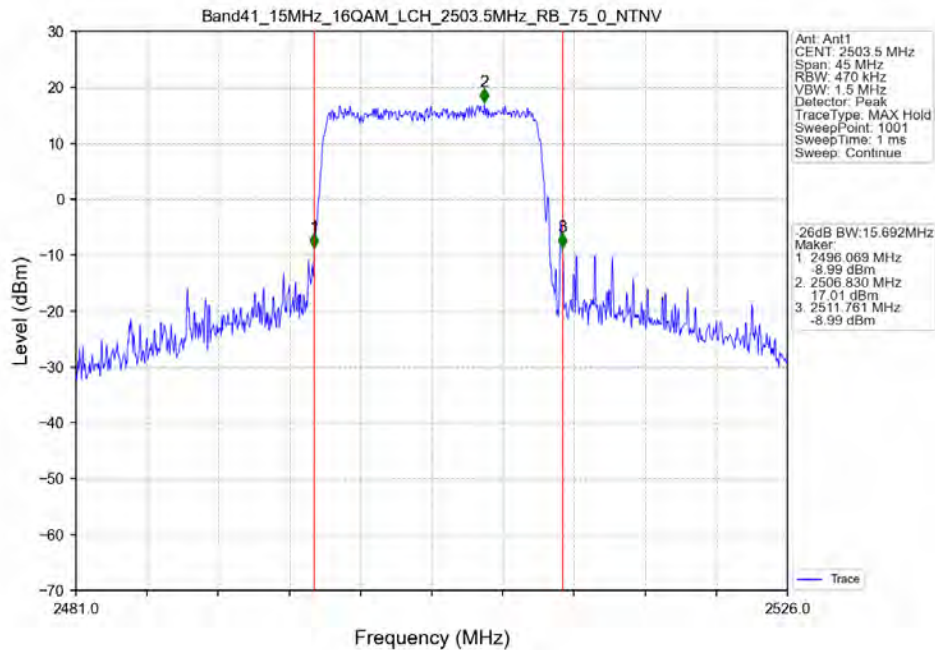
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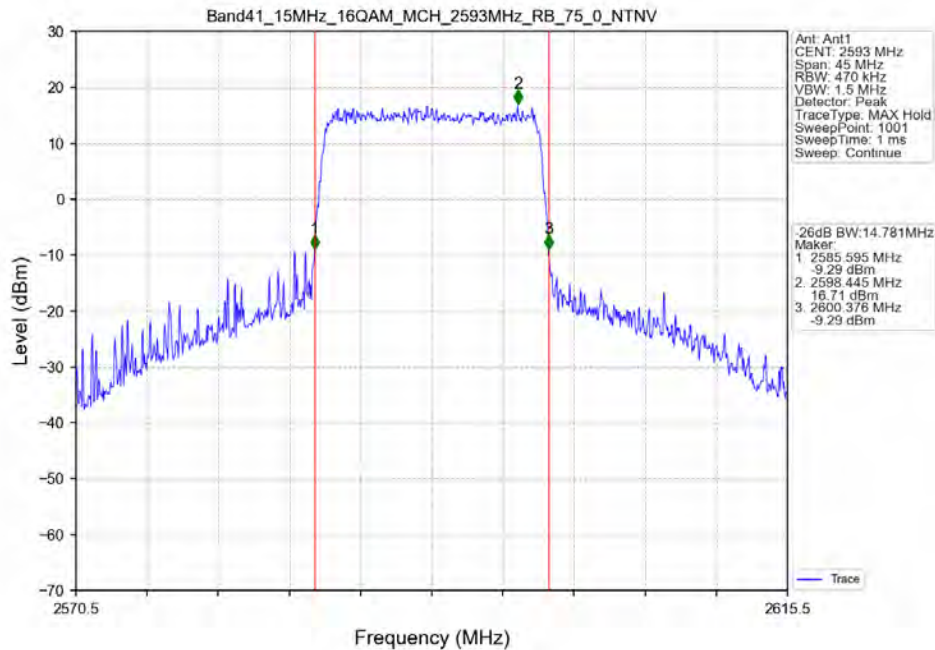
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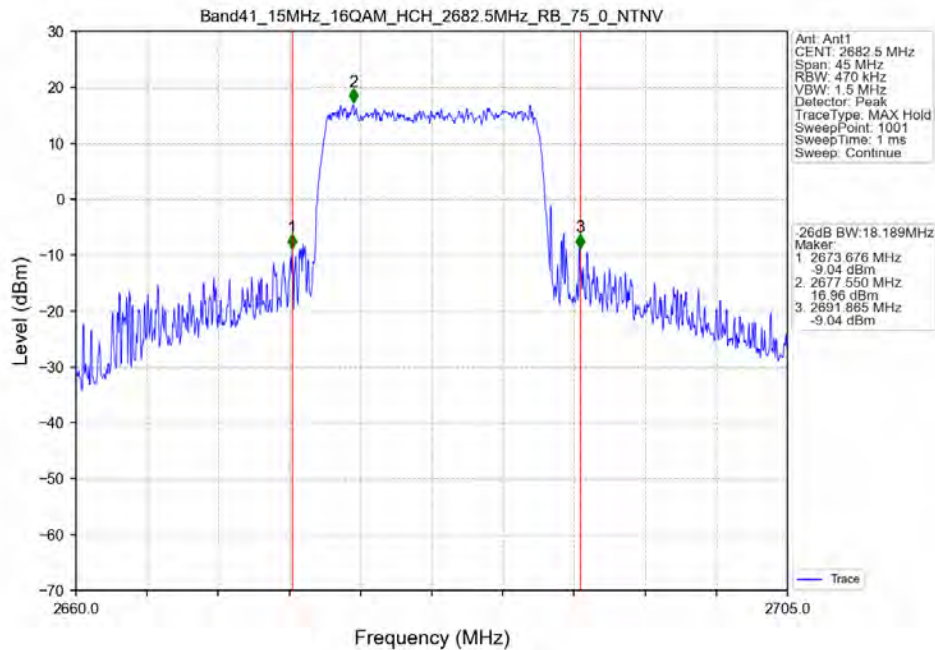
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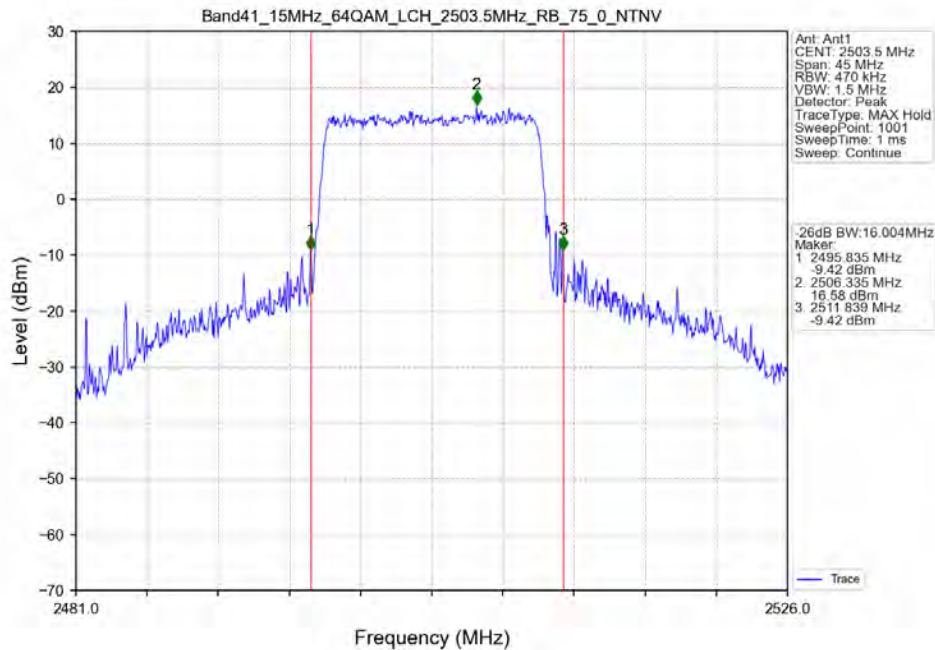
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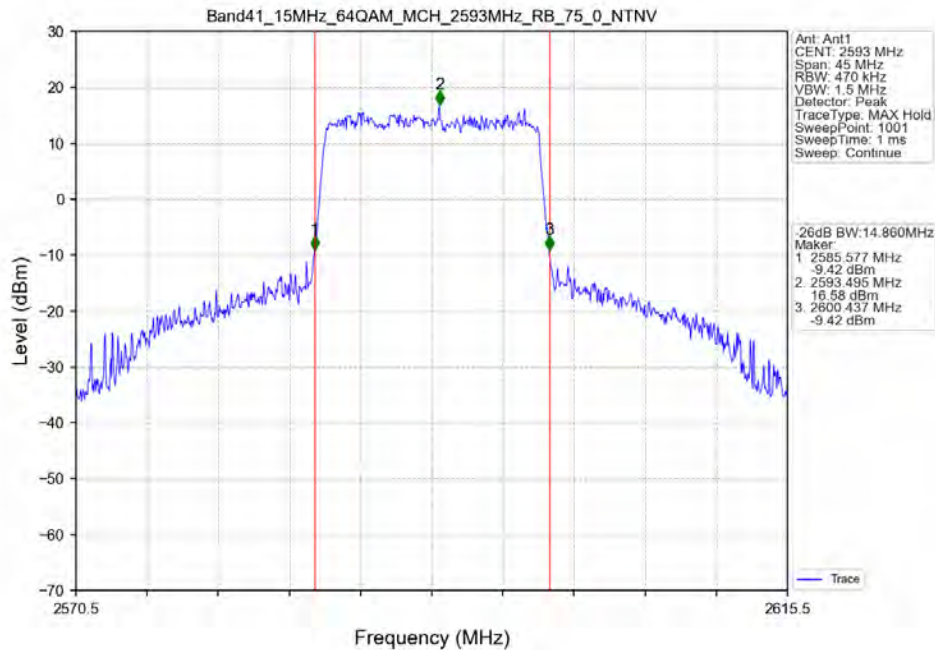
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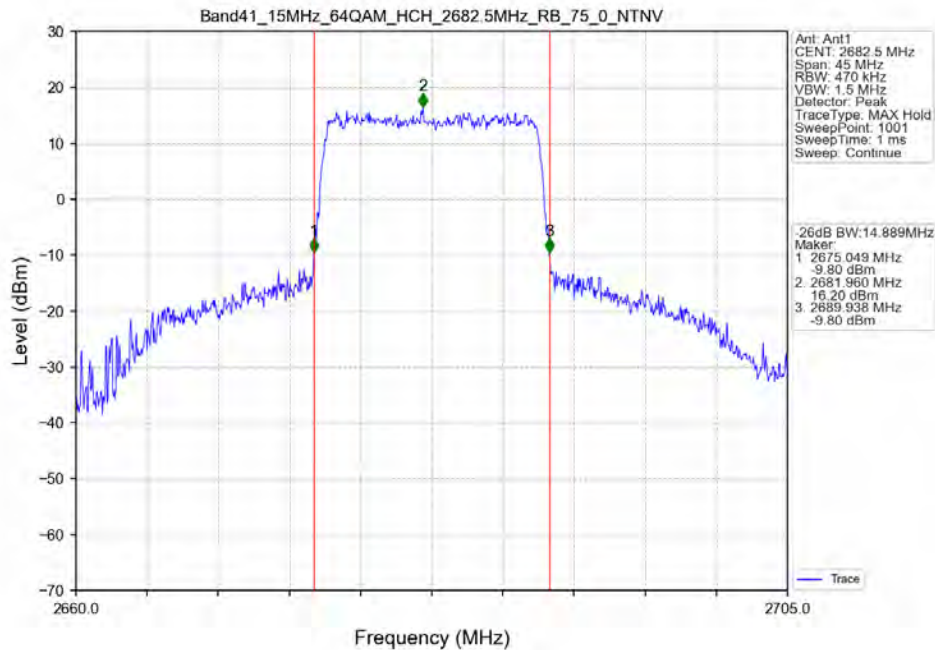
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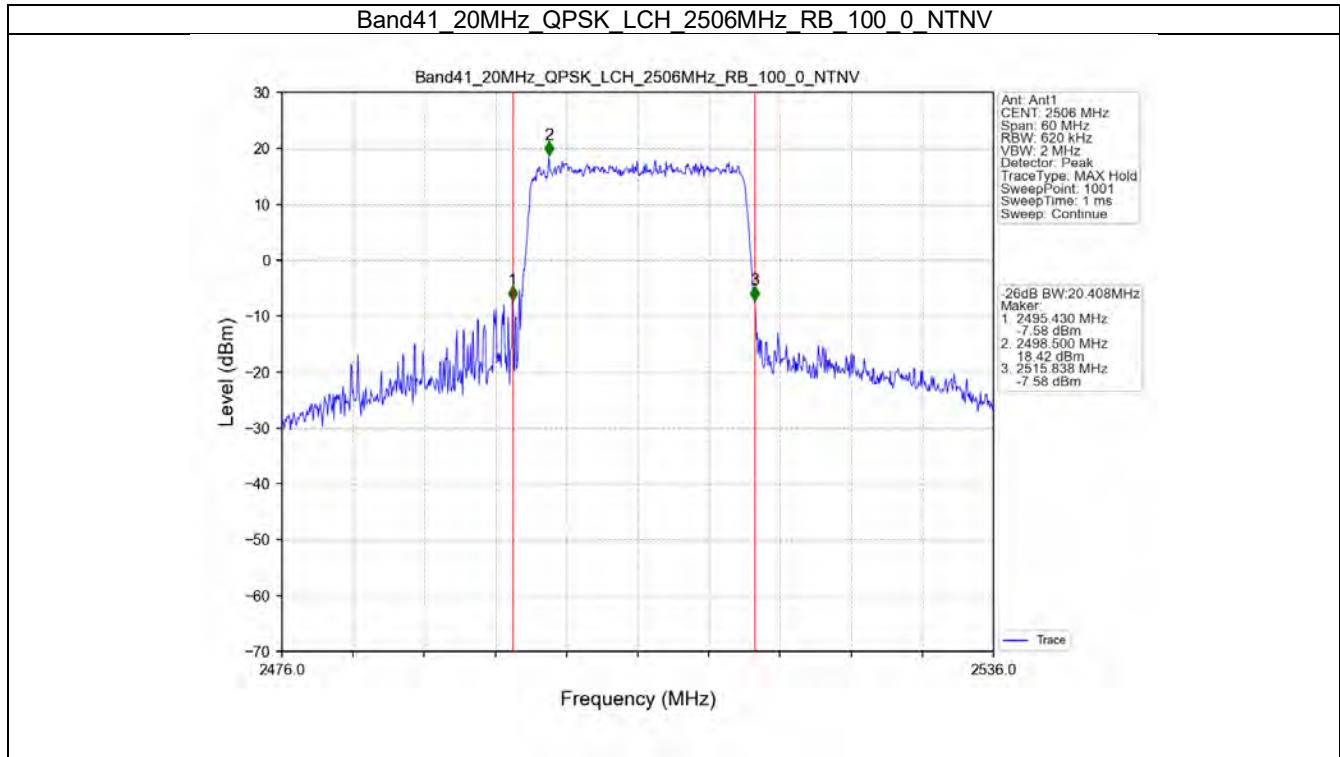


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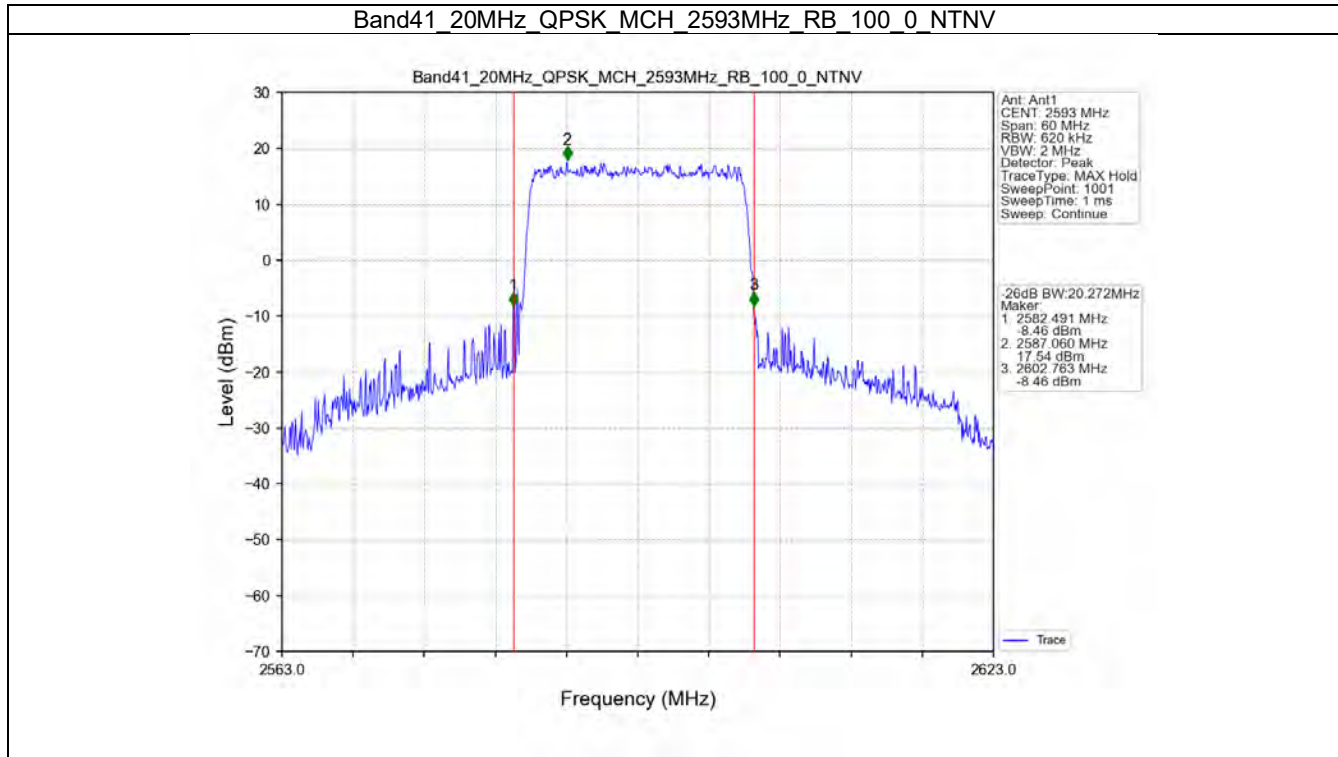


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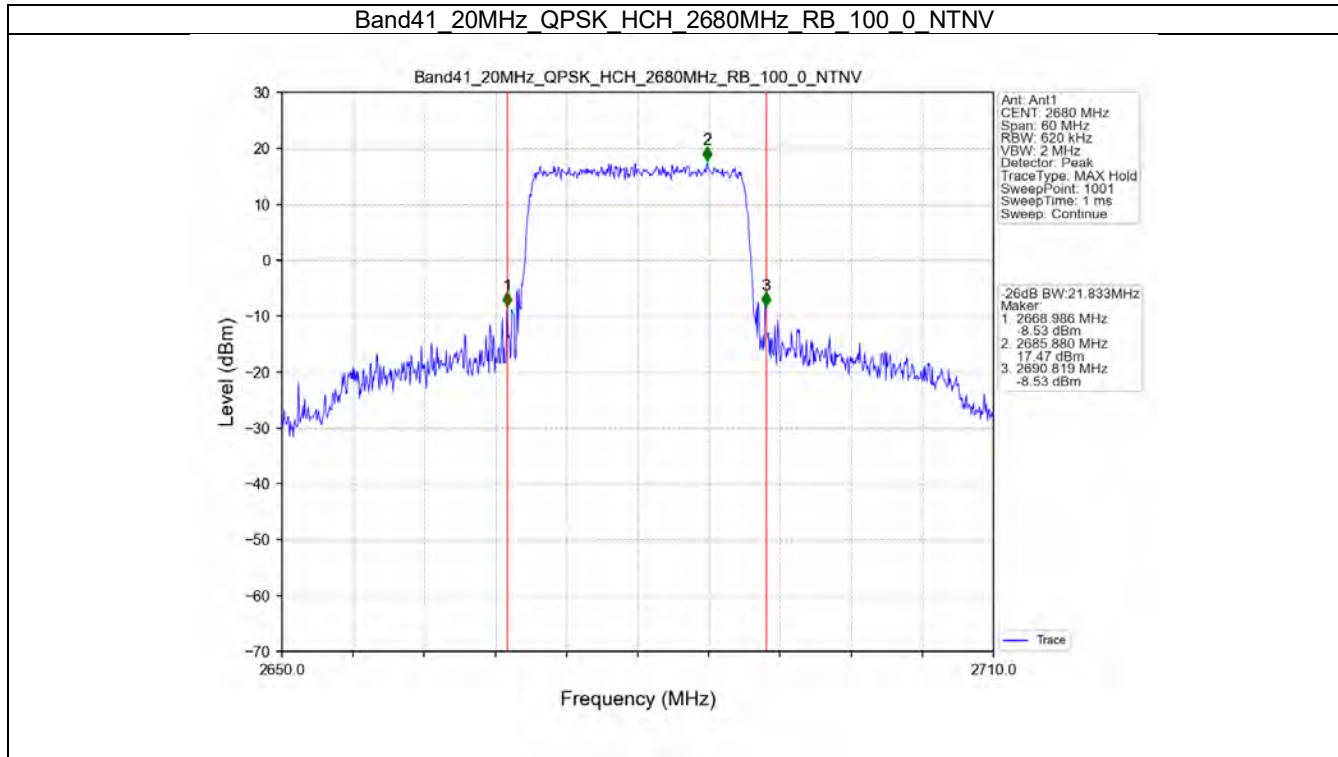


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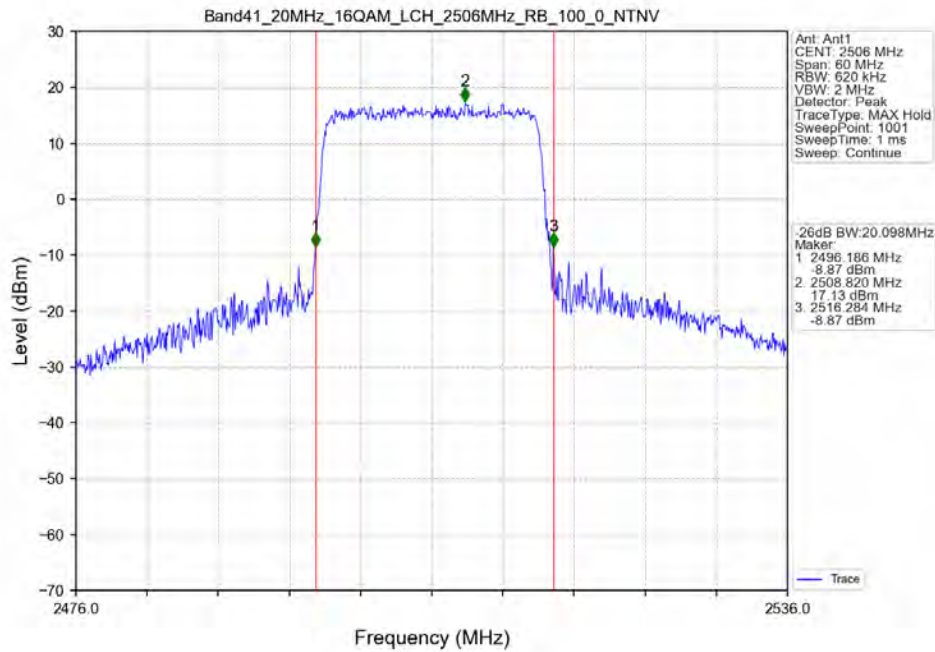
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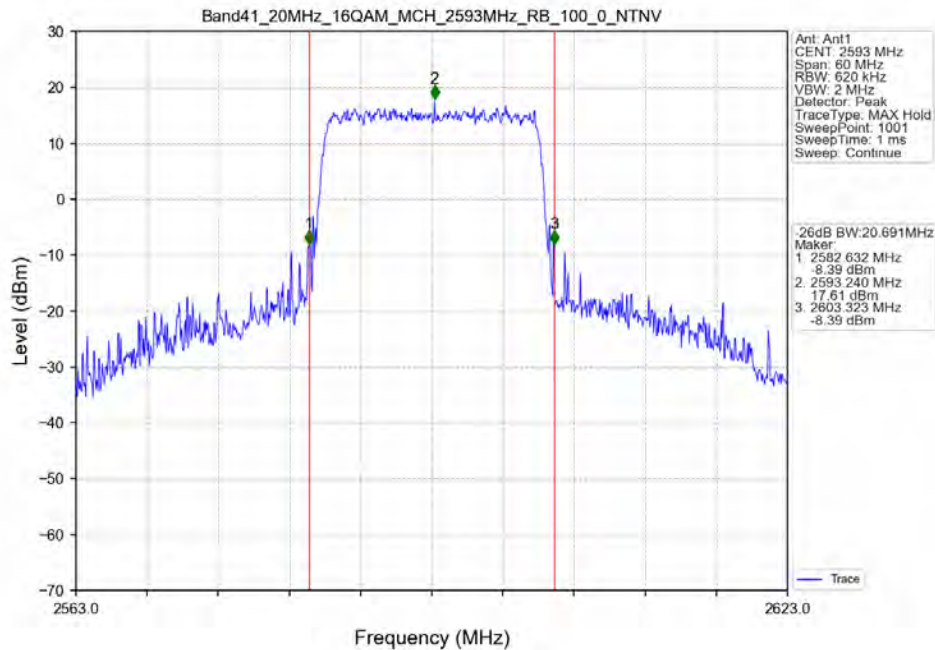
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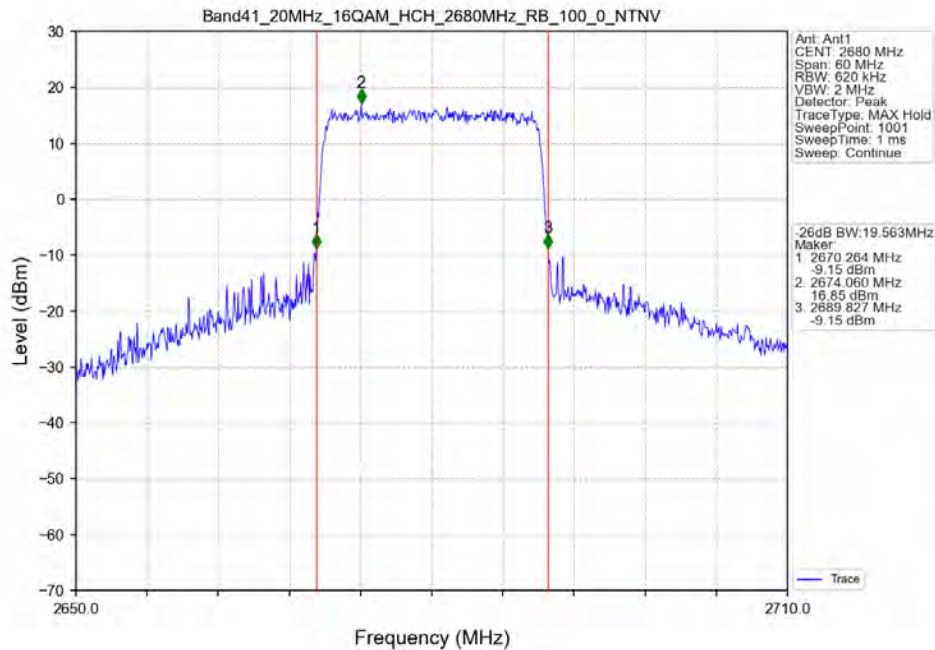
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Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



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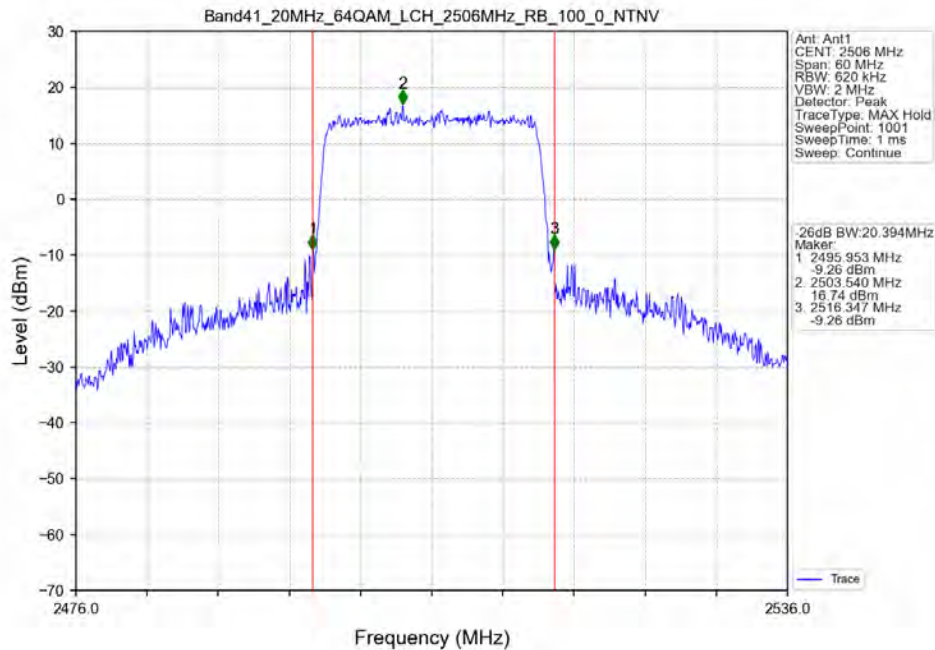
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Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV



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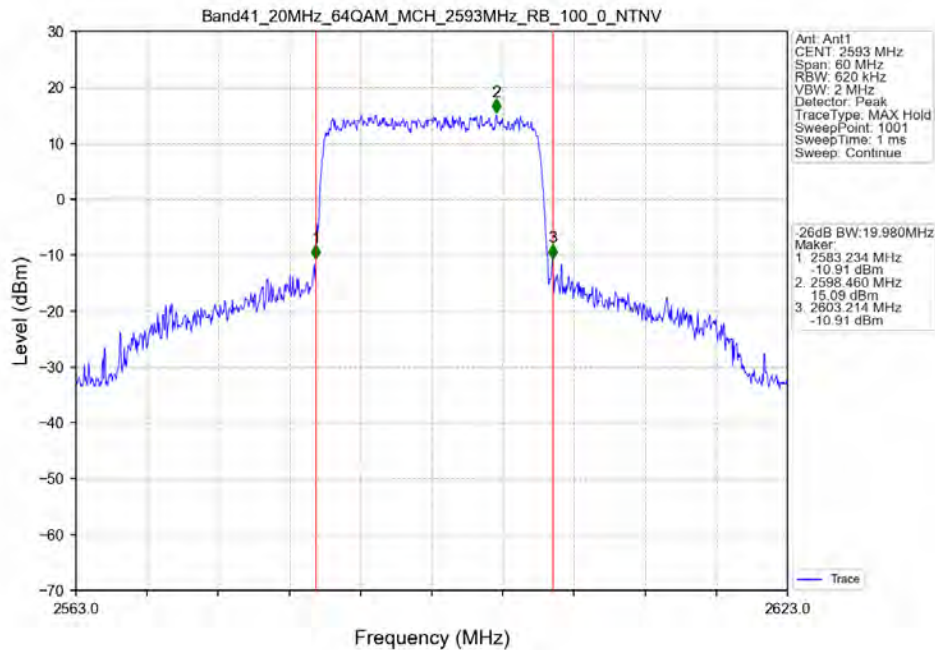
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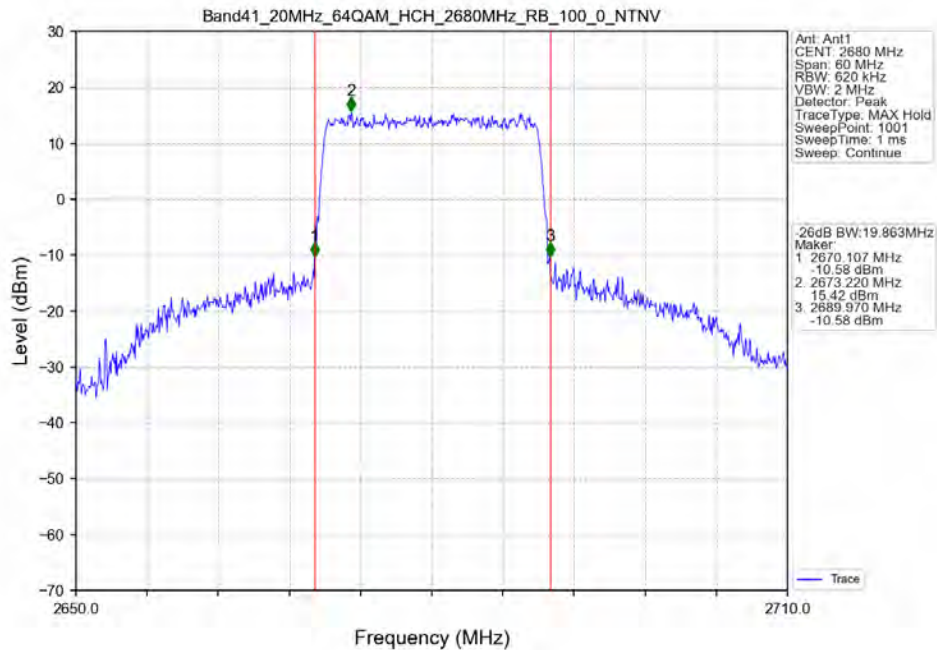
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4. Peak-Average Ratio

4.1 B41_5MHz

4.1.1 Test Result

Band: 41 / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	2498.5	25	0	7.48	<=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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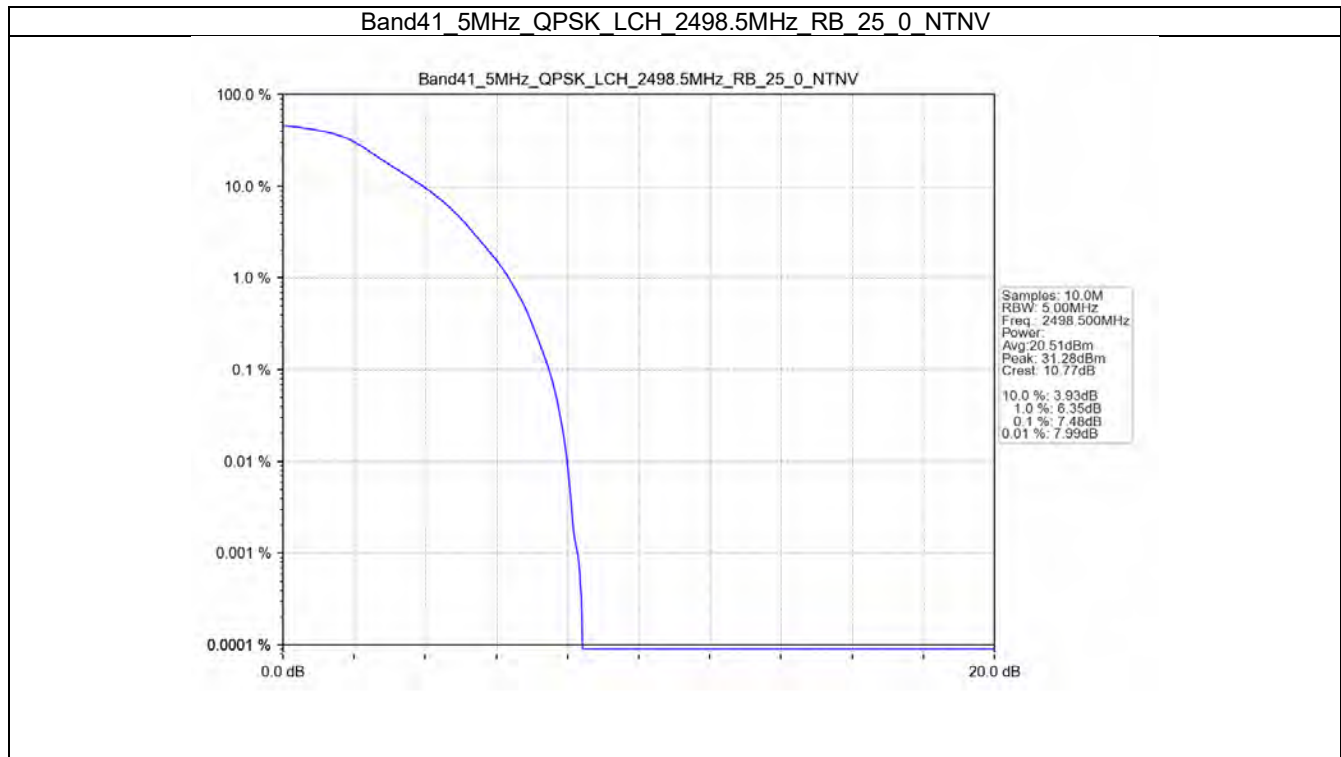
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4.1.2 Test Graph



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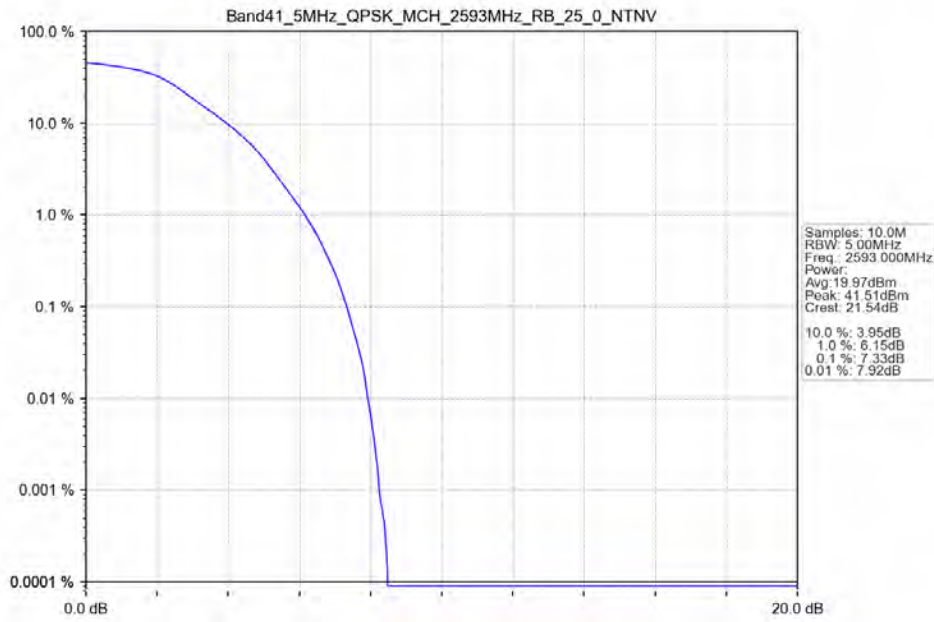
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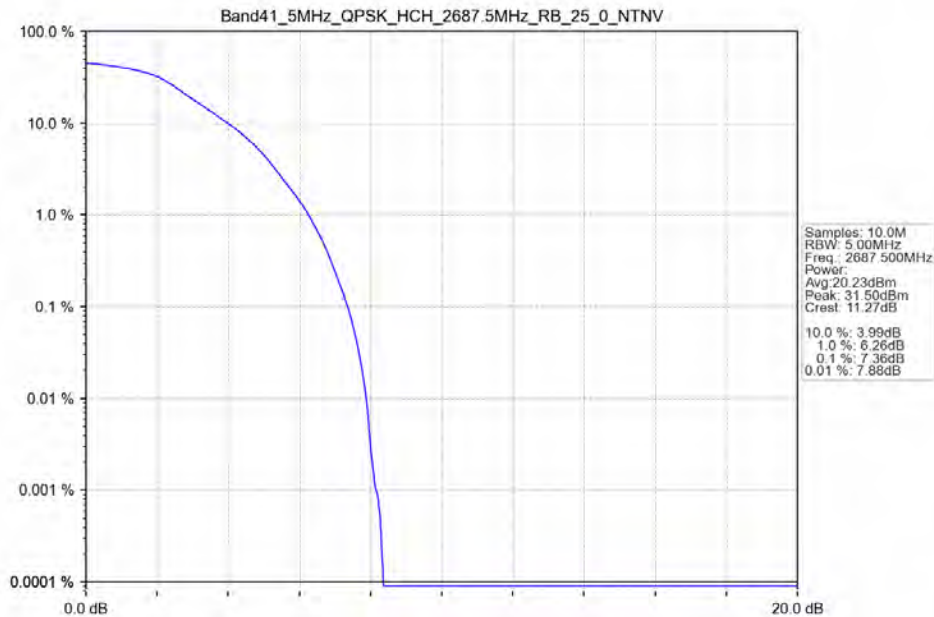
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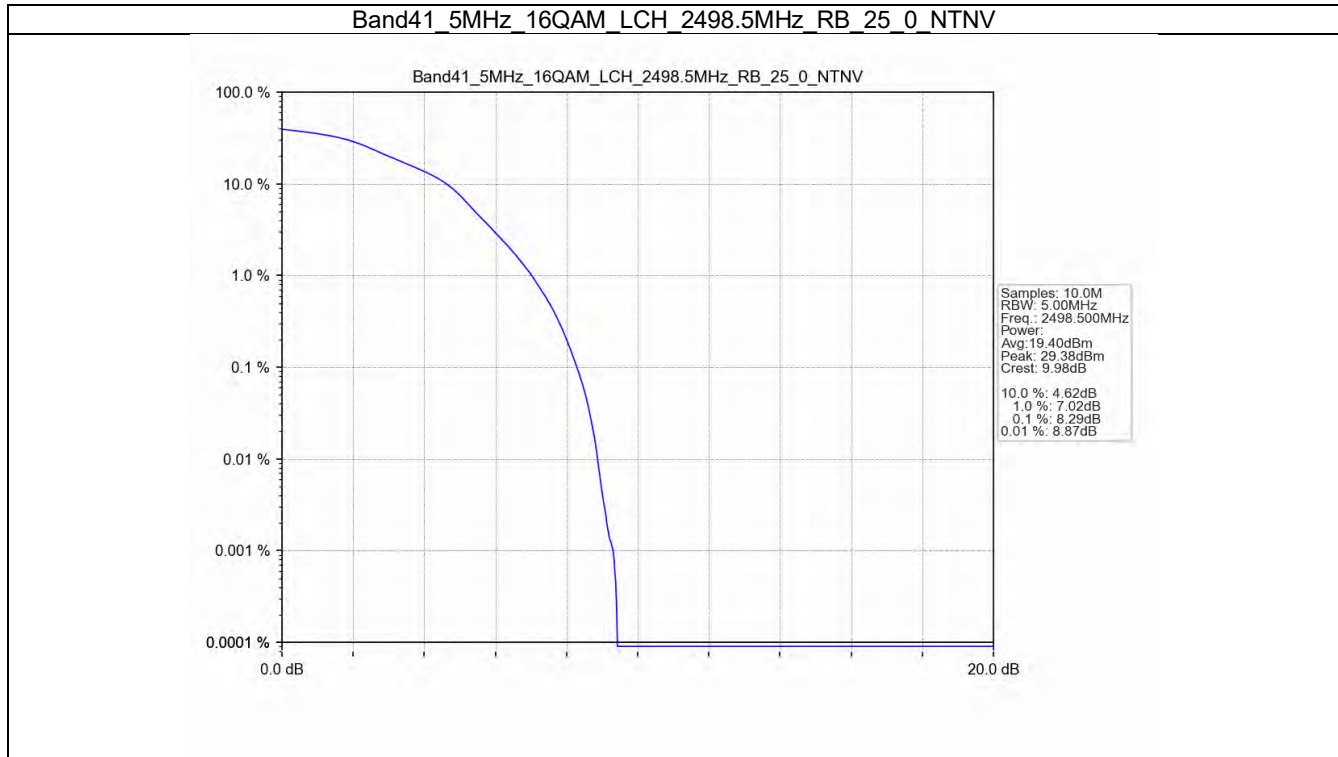


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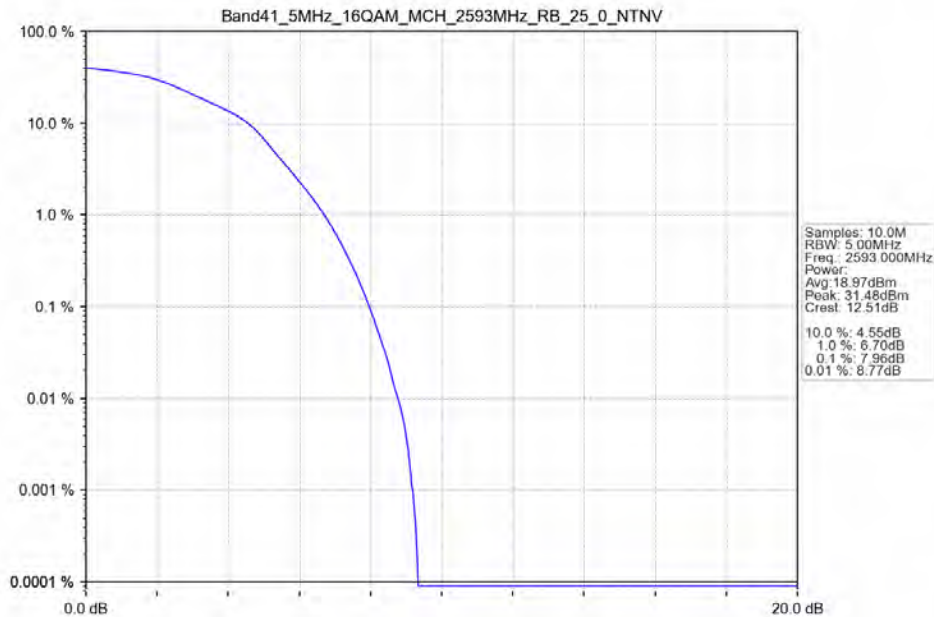
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Band41_5MHz_16QAM_MCH_2593MHz_RB_25_0_NTNV



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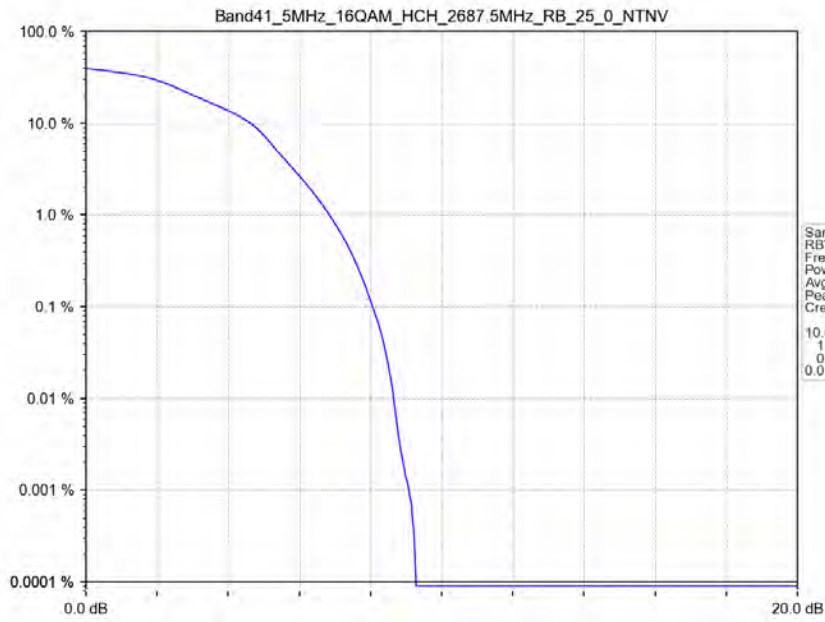
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Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



Samples: 10.0M
 RBW: 5.00MHz
 Freq: 2687.500MHz
 Power:
 Avg: 19.22dBm
 Peak: 28.61dBm
 Crest: 9.39dB



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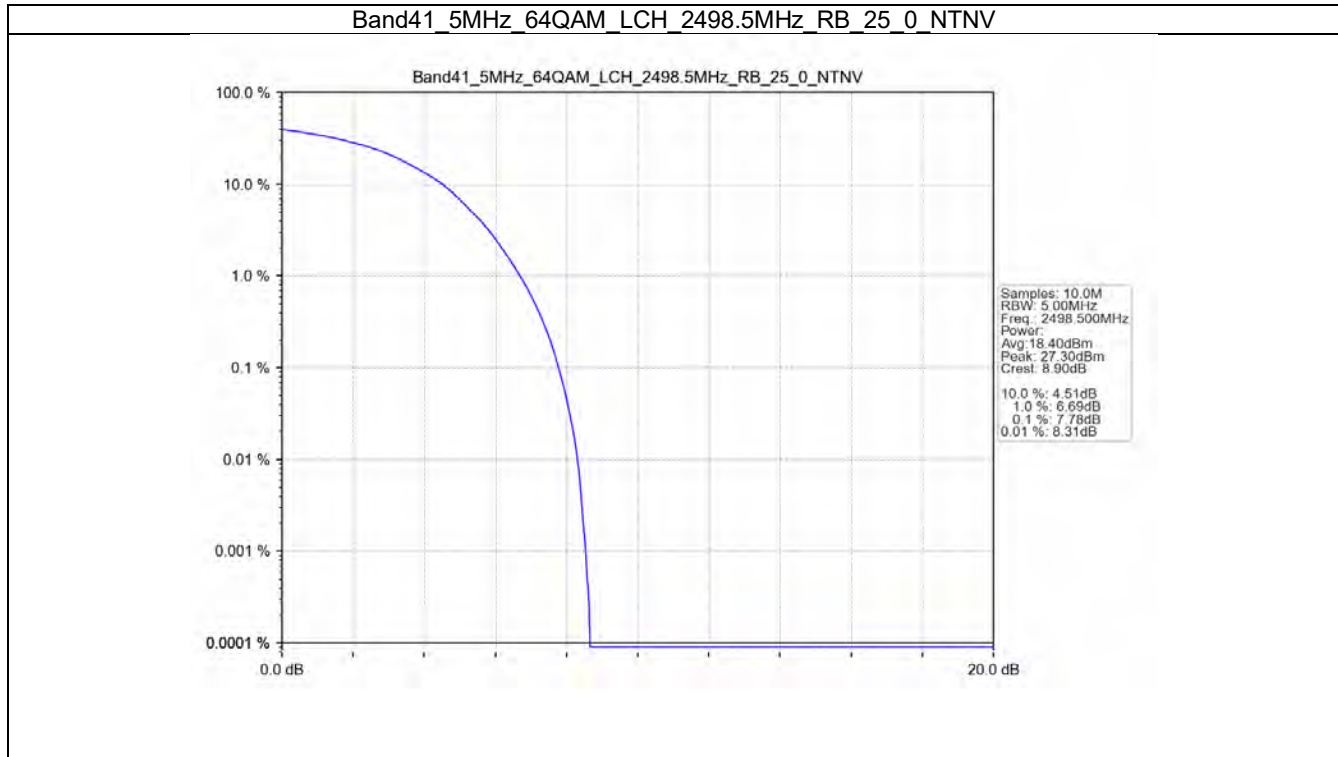


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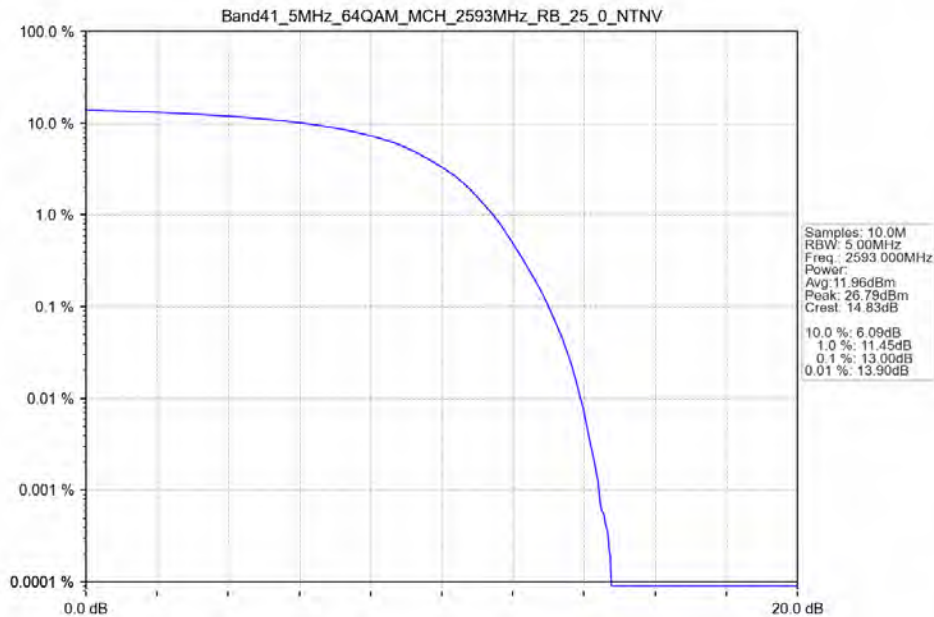
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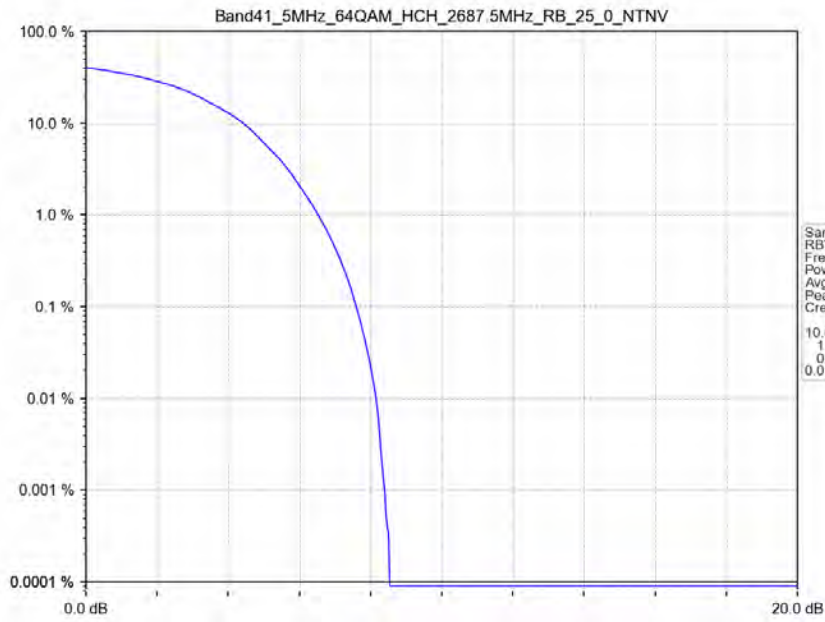
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Samples: 10.0M
RBW: 5.00MHz
Freq.: 2687.500MHz
Power:
Avg: 18.36dBm
Peak: 27.26dBm
Crest: 8.90dB

10.0 %: 4.42dB
1.0 %: 6.53dB
0.1 %: 7.60dB
0.01 %: 8.15dB



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4.2 B41_10MHz

4.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTNV						
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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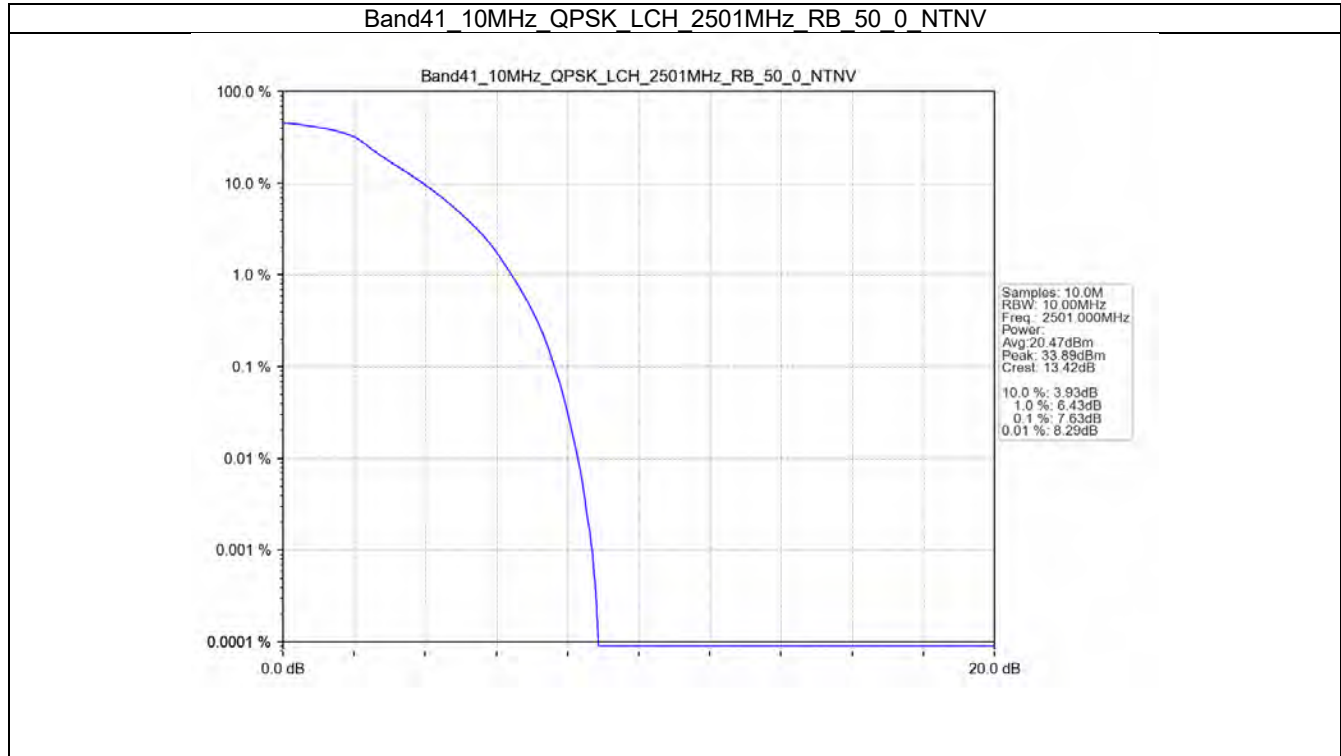
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4.2.2 Test Graph



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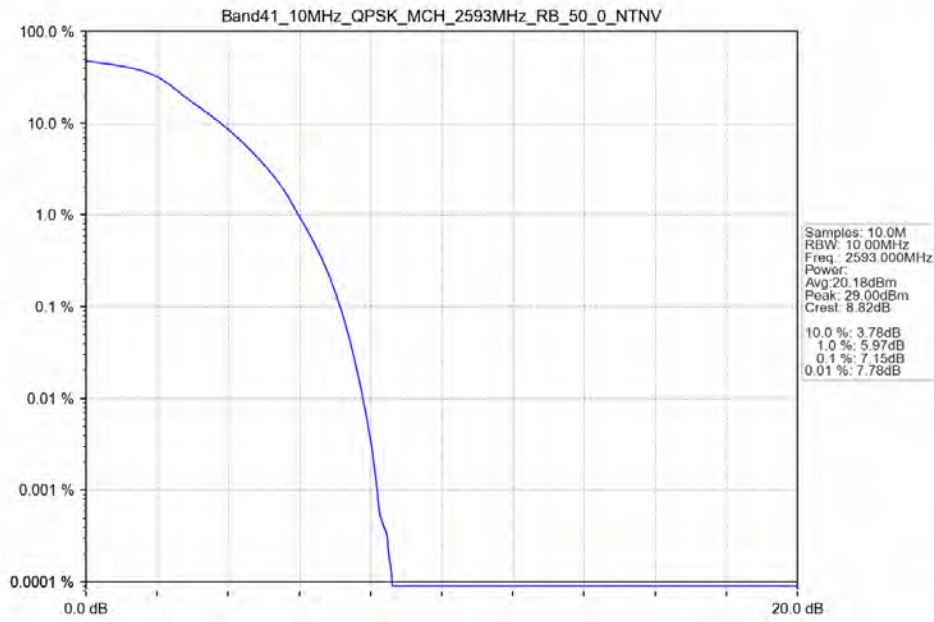
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Band41_10MHz_QPSK_MCH_2593MHz_RB_50_0_NTNV



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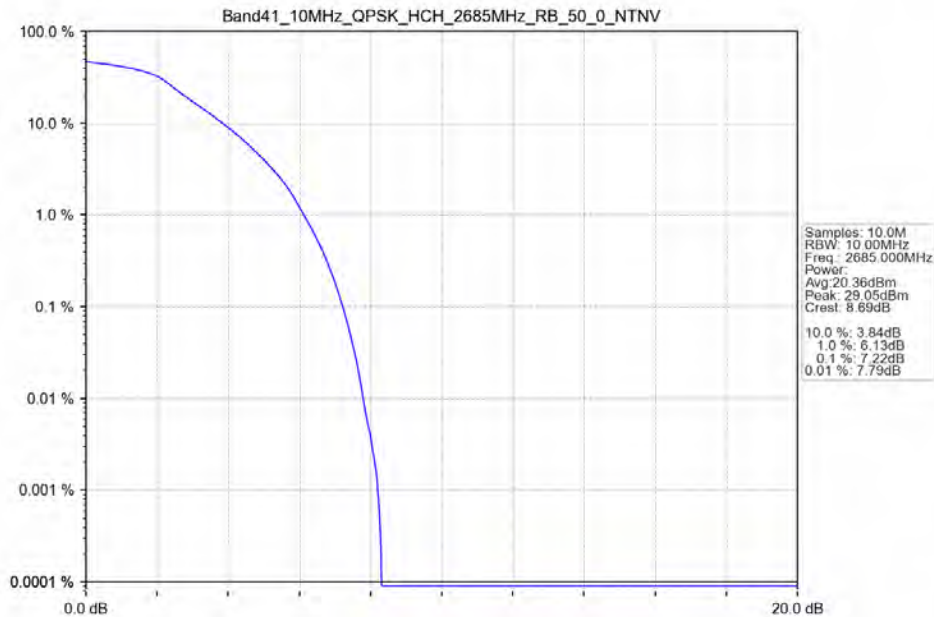
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Band41_10MHz_QPSK_HCH_2685MHz_RB_50_0_NTNV



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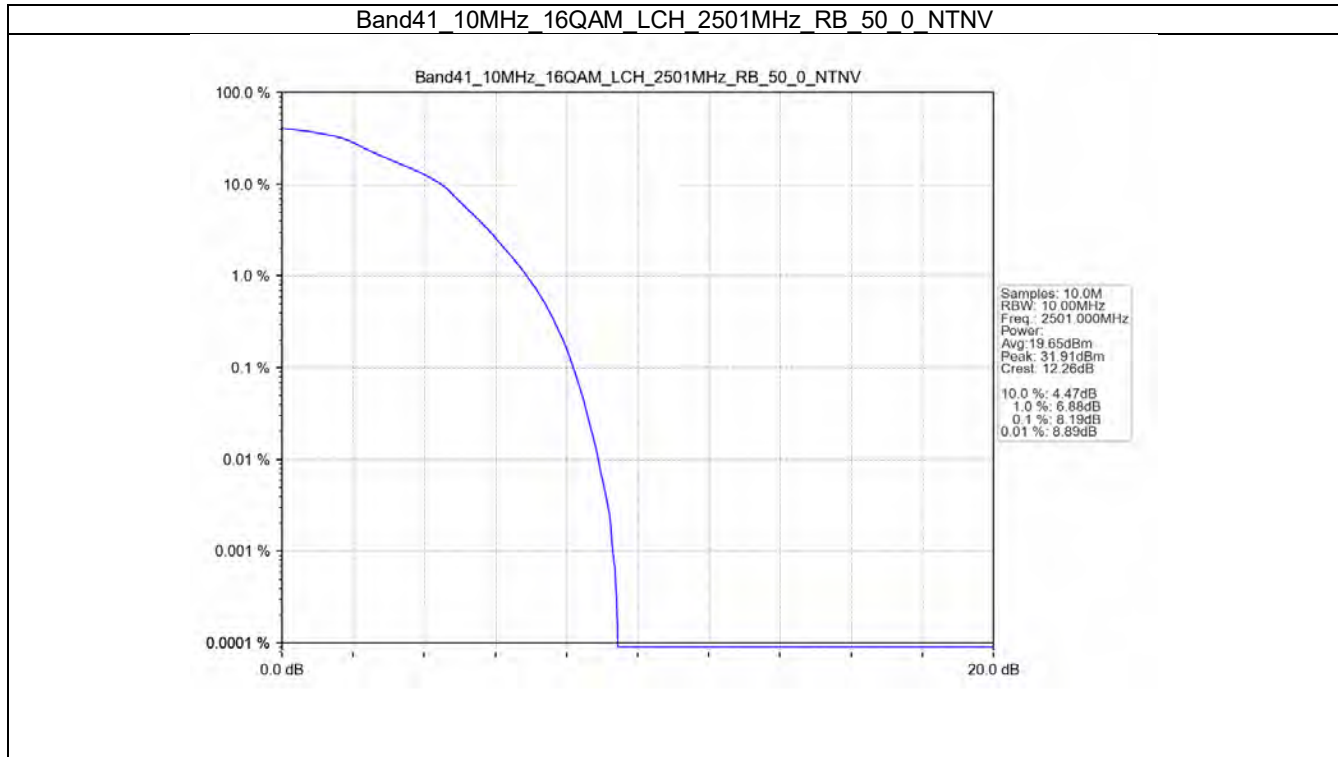


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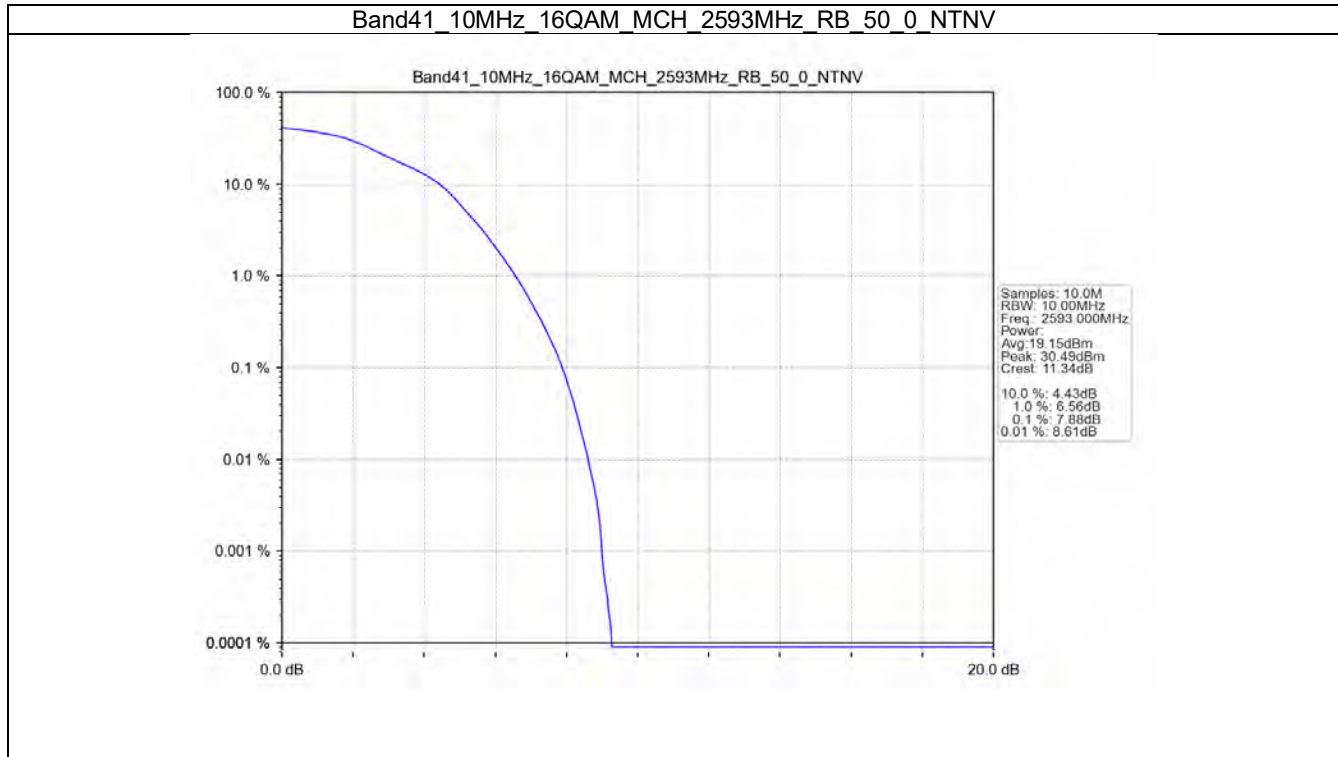


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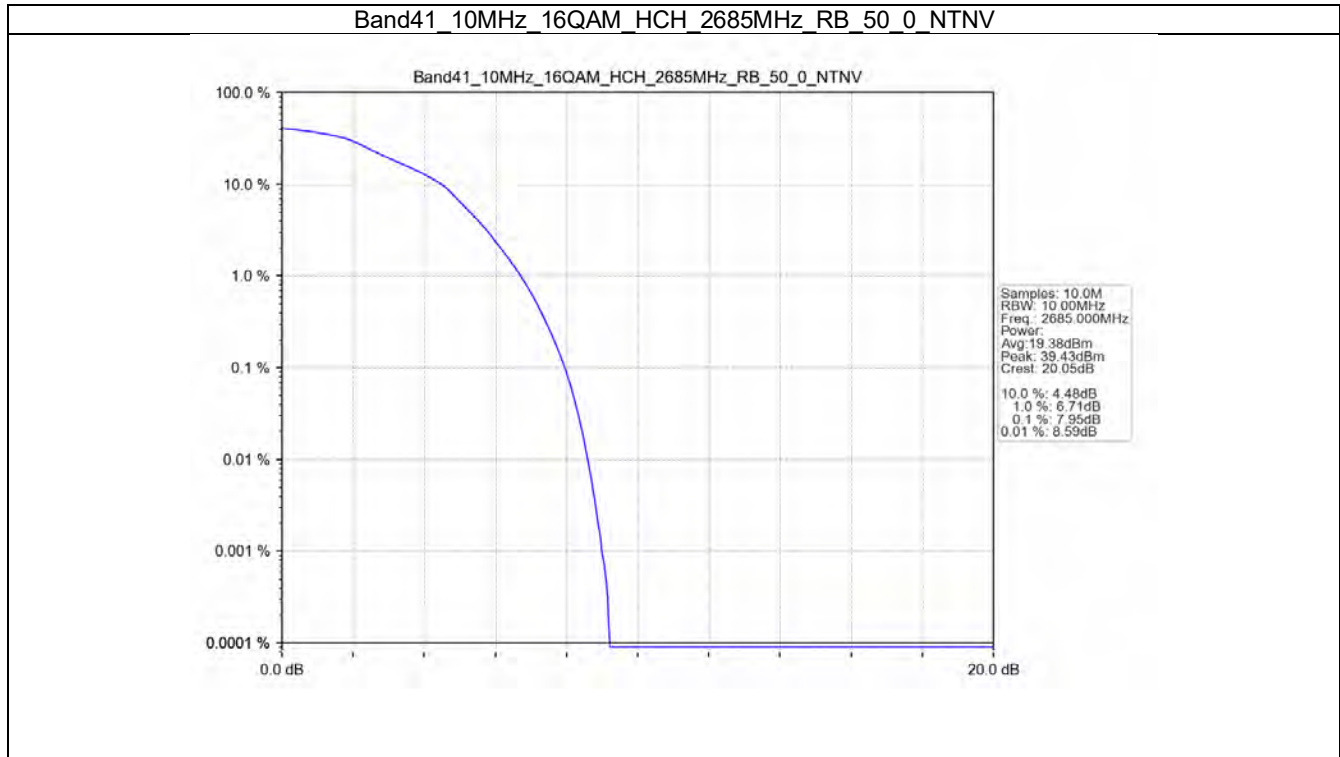


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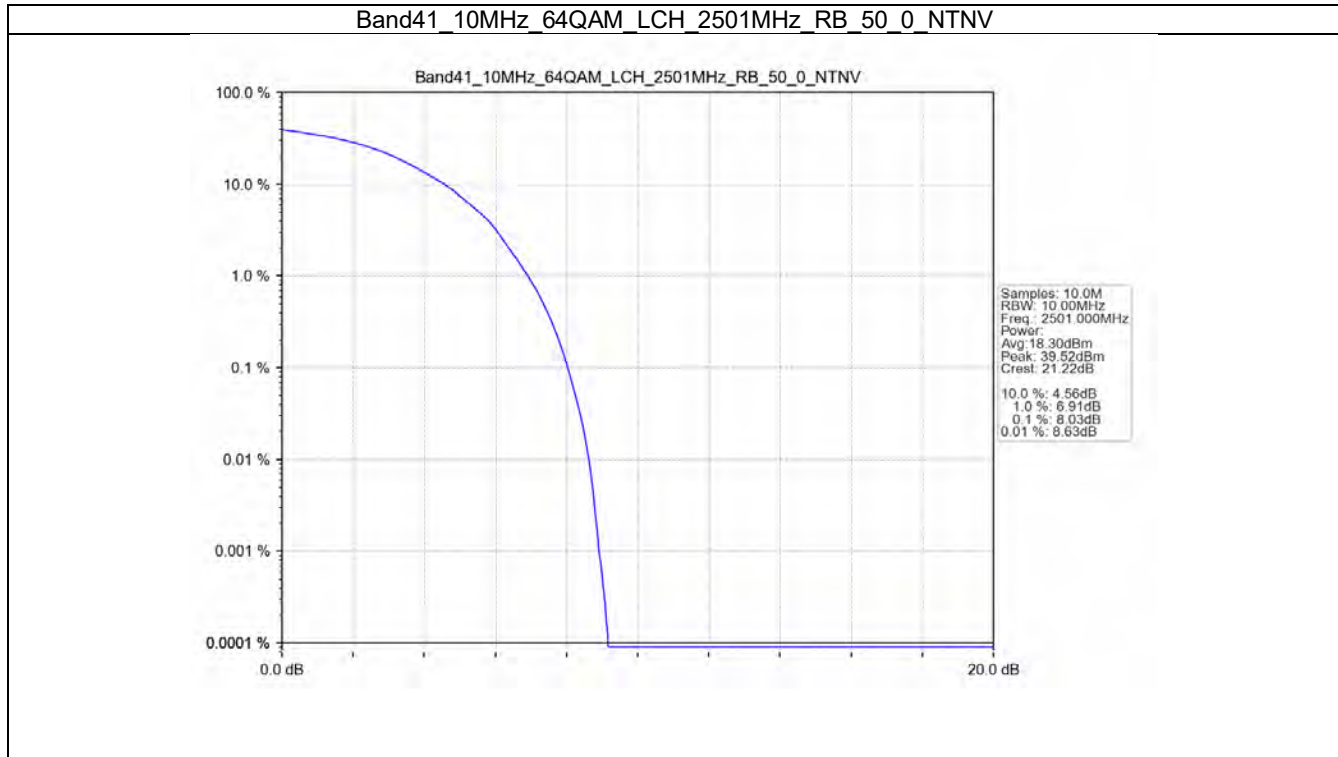


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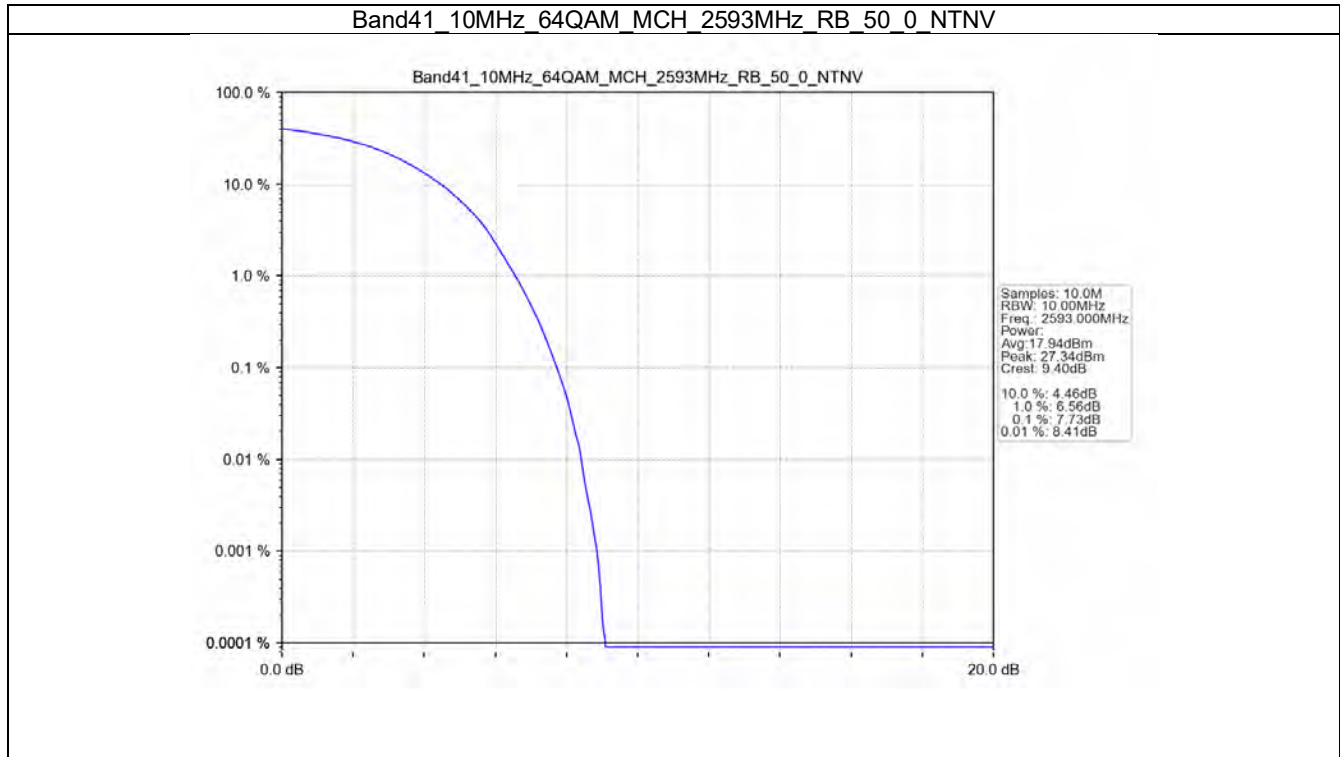


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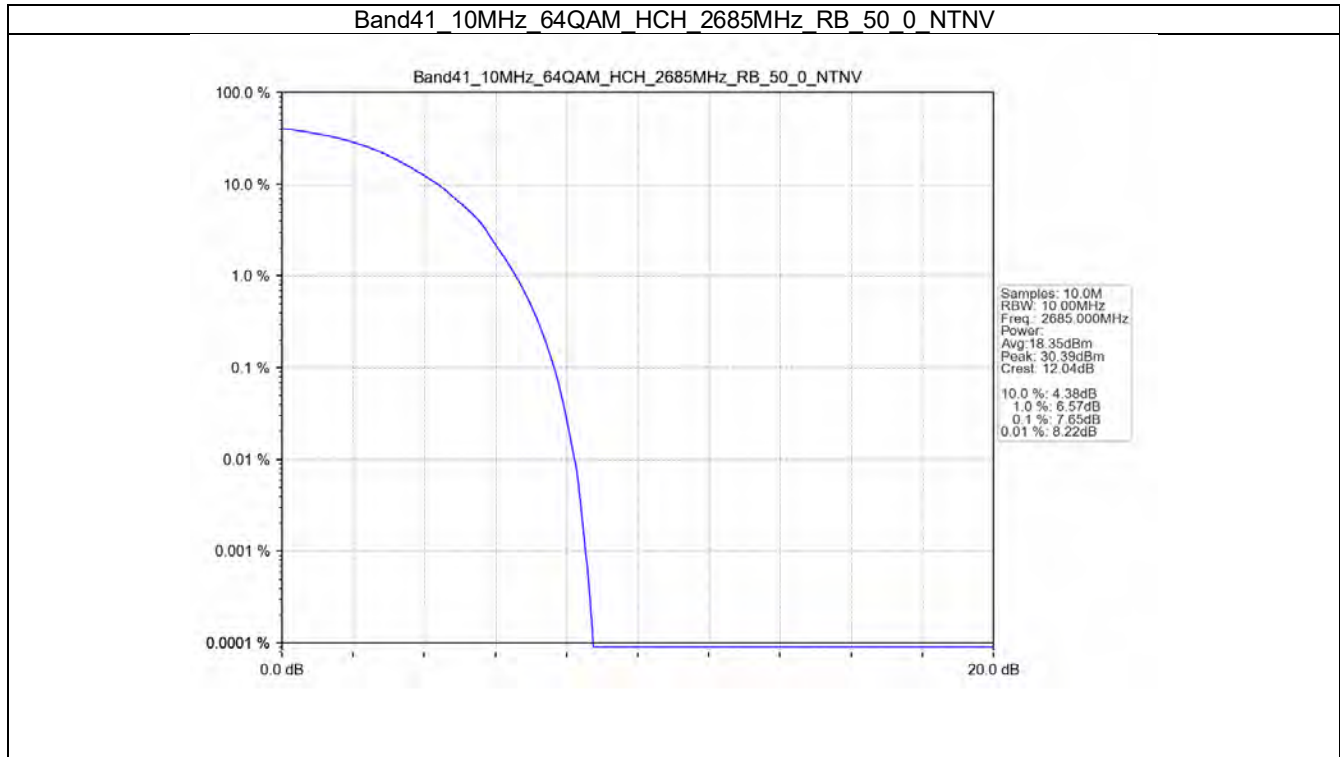


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4.3 B41_15MHz

4.3.1 Test Result

Band: 41 / Bandwidth: 15MHz / NTNV						
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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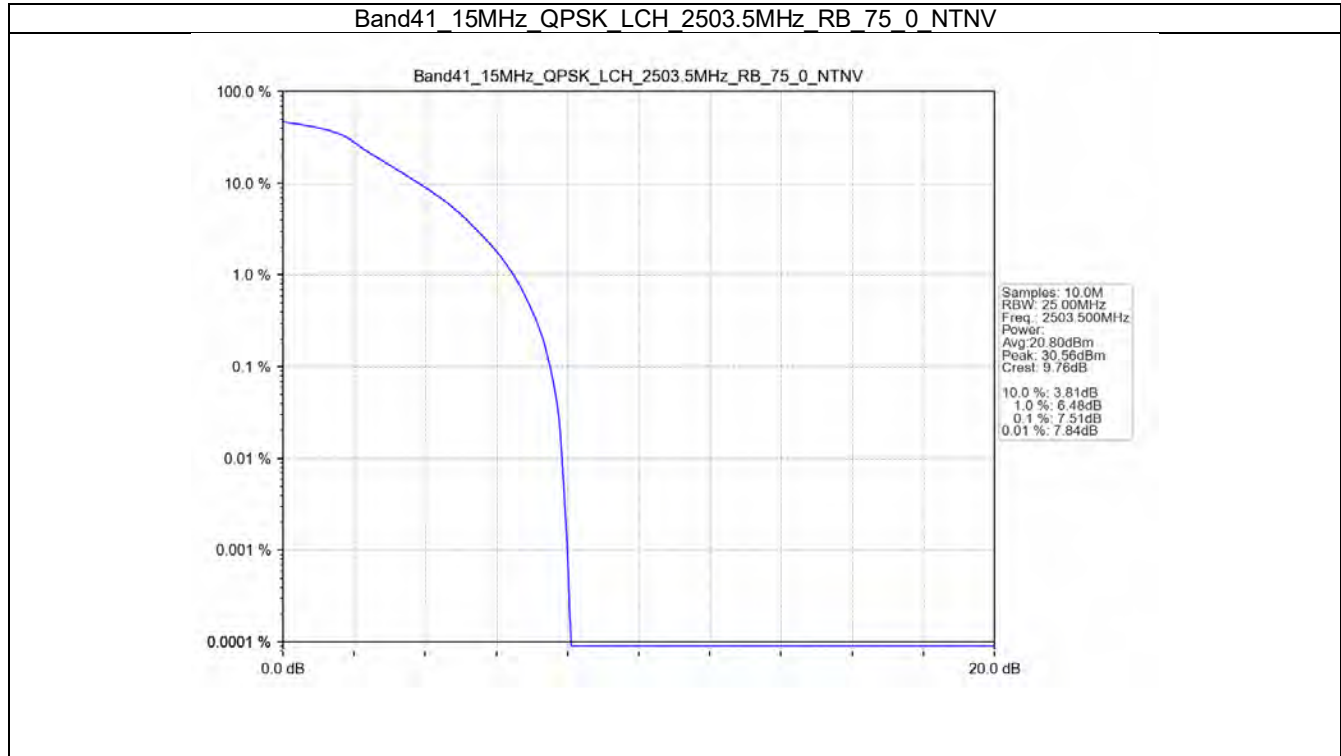
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4.3.2 Test Graph



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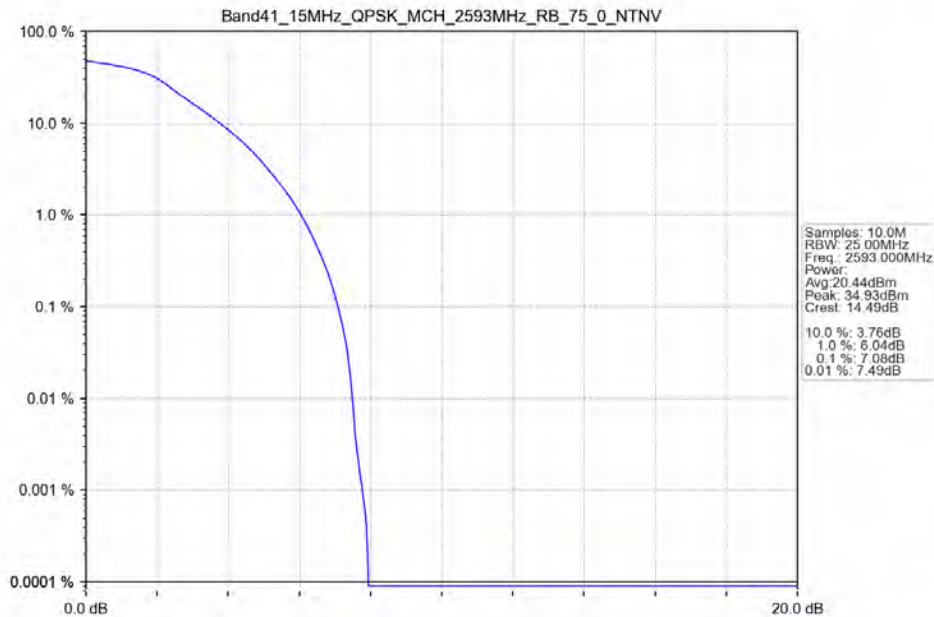
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Band41_15MHz_QPSK_MCH_2593MHz_RB_75_0_NTNV



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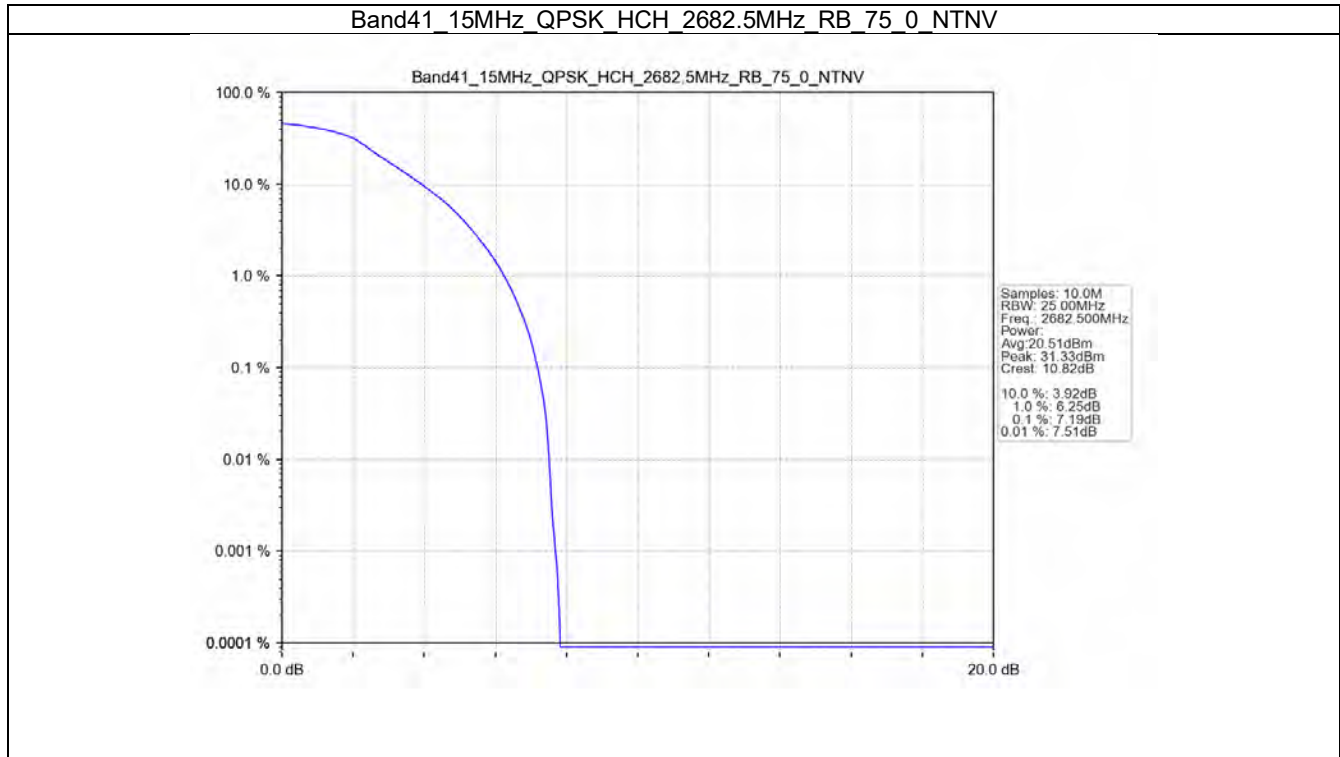


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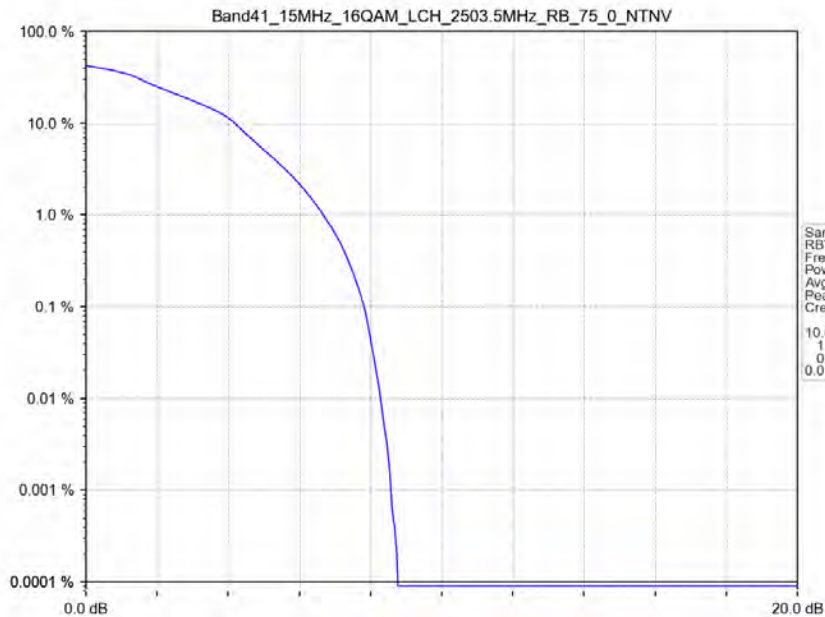
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Band41_15MHz_16QAM_LCH_2503.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 2503.500MHz
Power:
Avg: 20.18dBm
Peak: 29.18dBm
Crest: 9.00dB
10.0 %: 4.18dB
1.0 %: 6.67dB
0.1 %: 7.81dB
0.01 %: 8.28dB



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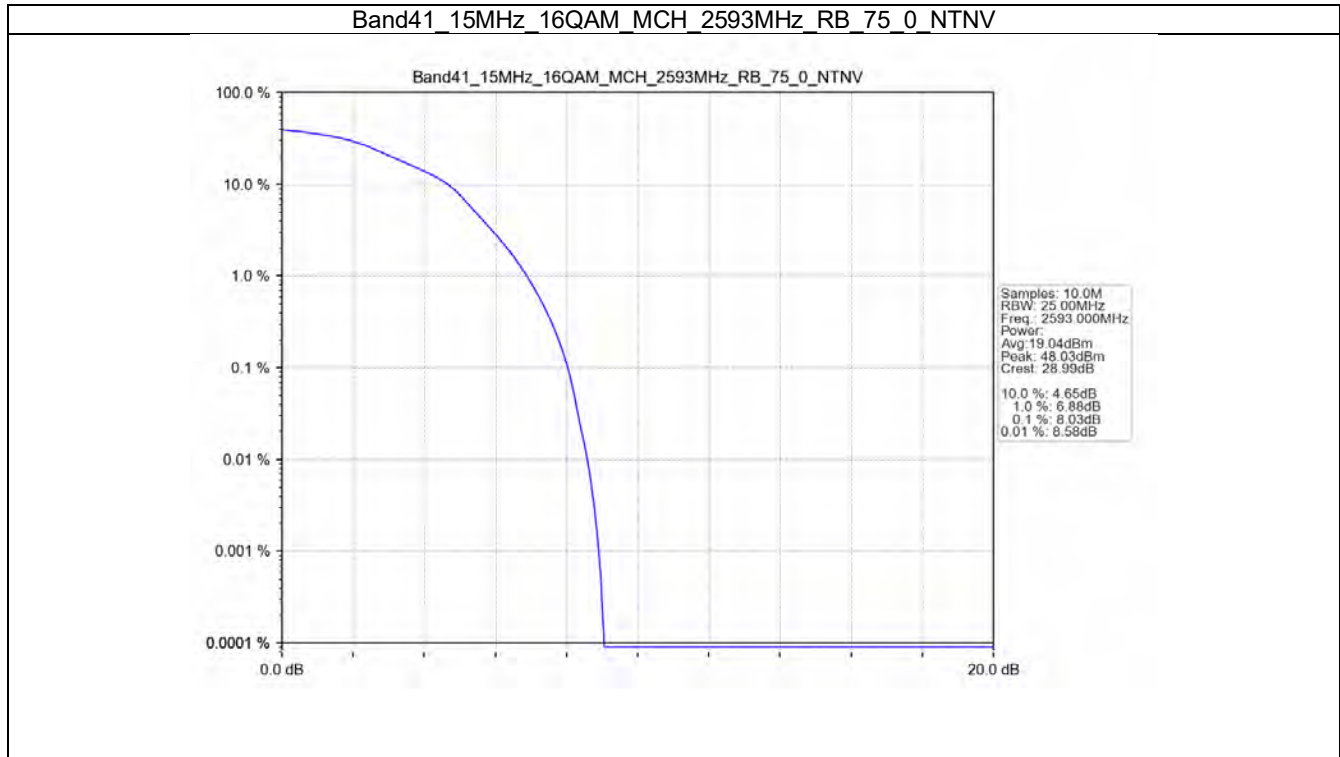


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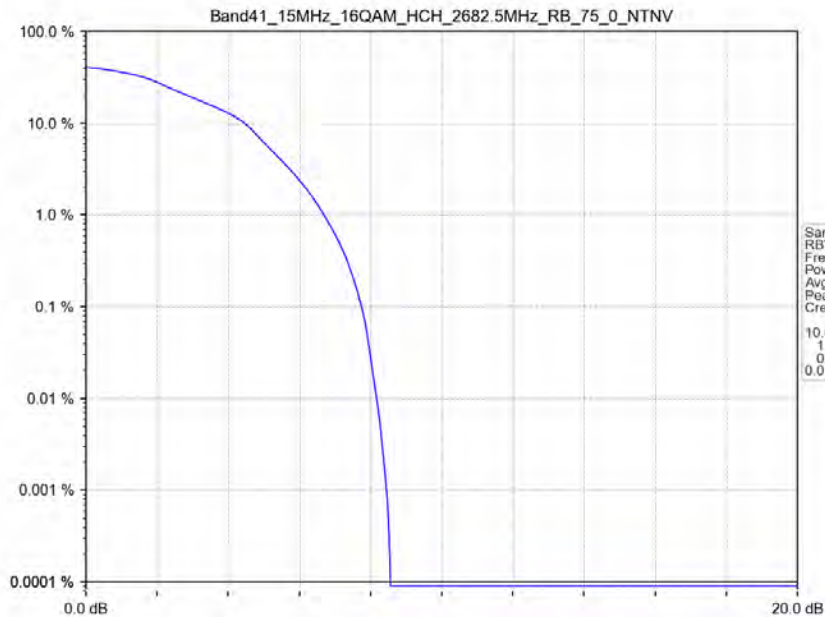
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Band41_15MHz_16QAM_HCH_2682.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 2682.500MHz
Power:
Avg: 19.62dBm
Peak: 28.86dBm
Crest: 9.24dB



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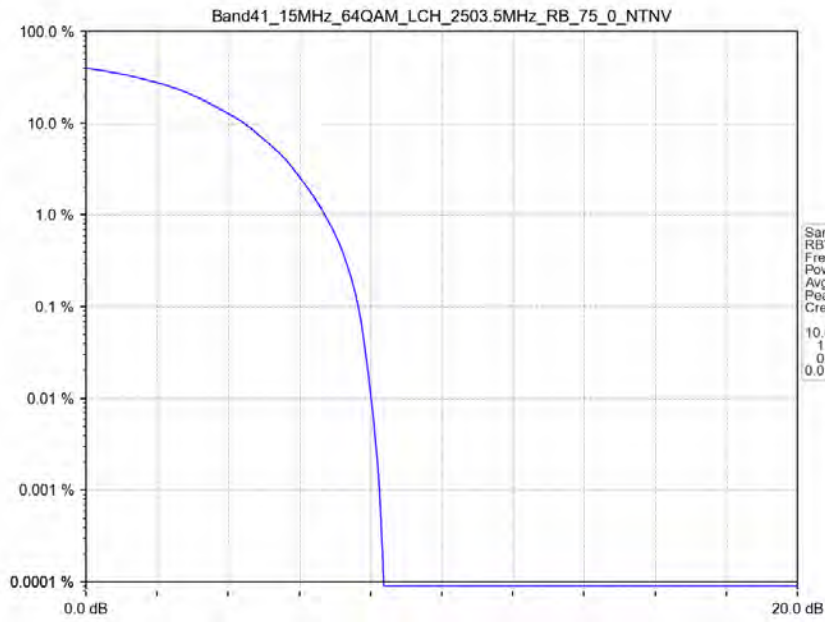
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Band41_15MHz_64QAM_LCH_2503.5MHz_RB_75_0_NTNV



Samples: 10.0M
 RBW: 25.00MHz
 Freq: 2503.500MHz
 Power:
 Avg: 18.73dBm
 Peak: 29.12dBm
 Crest: 10.39dB



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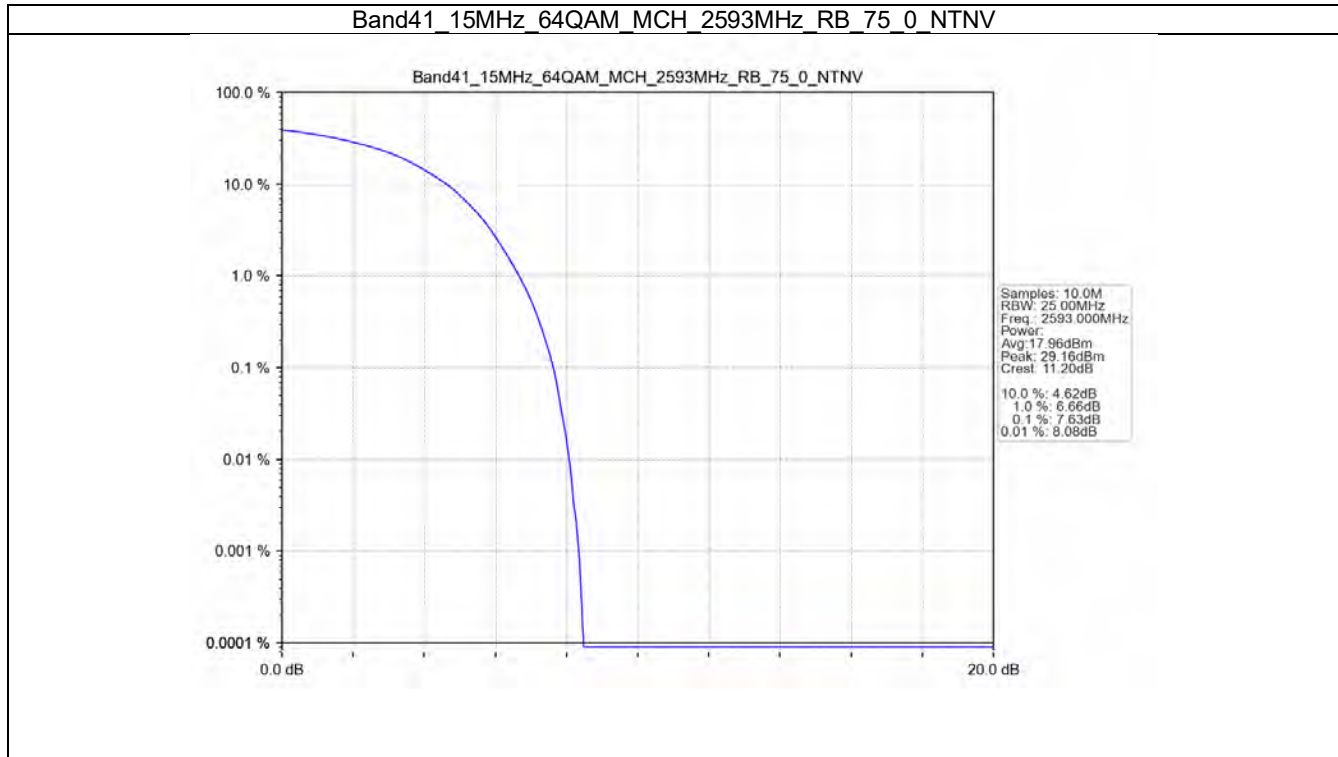


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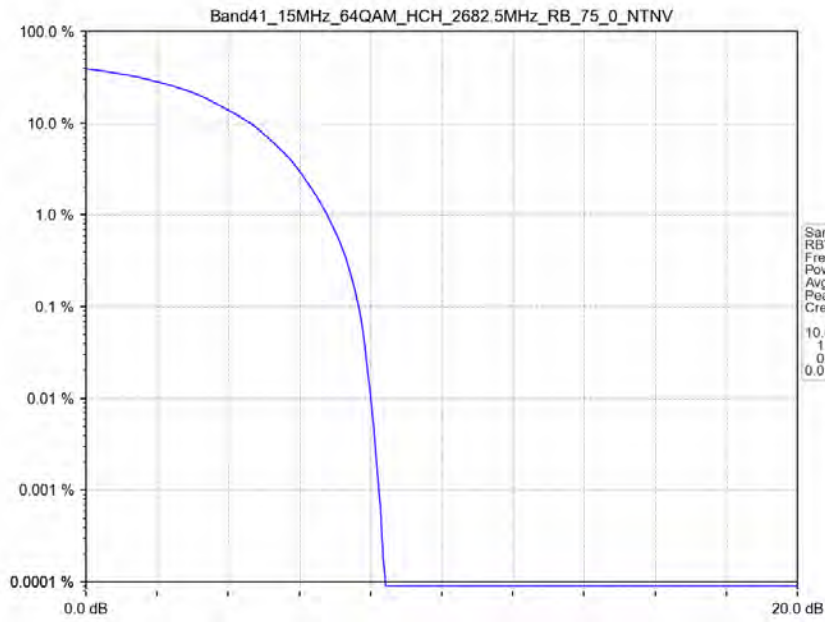
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Band41_15MHz_64QAM_HCH_2682.5MHz_RB_75_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 2682.500MHz
Power:
Avg: 18.24dBm
Peak: 27.03dBm
Crest: 8.79dB

10.0 %: 4.62dB
1.0 %: 6.78dB
0.1 %: 7.67dB
0.01 %: 8.01dB



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4.4 B41_20MHz

4.4.1 Test Result

Band: 41 / Bandwidth: 20MHz / NTNV						
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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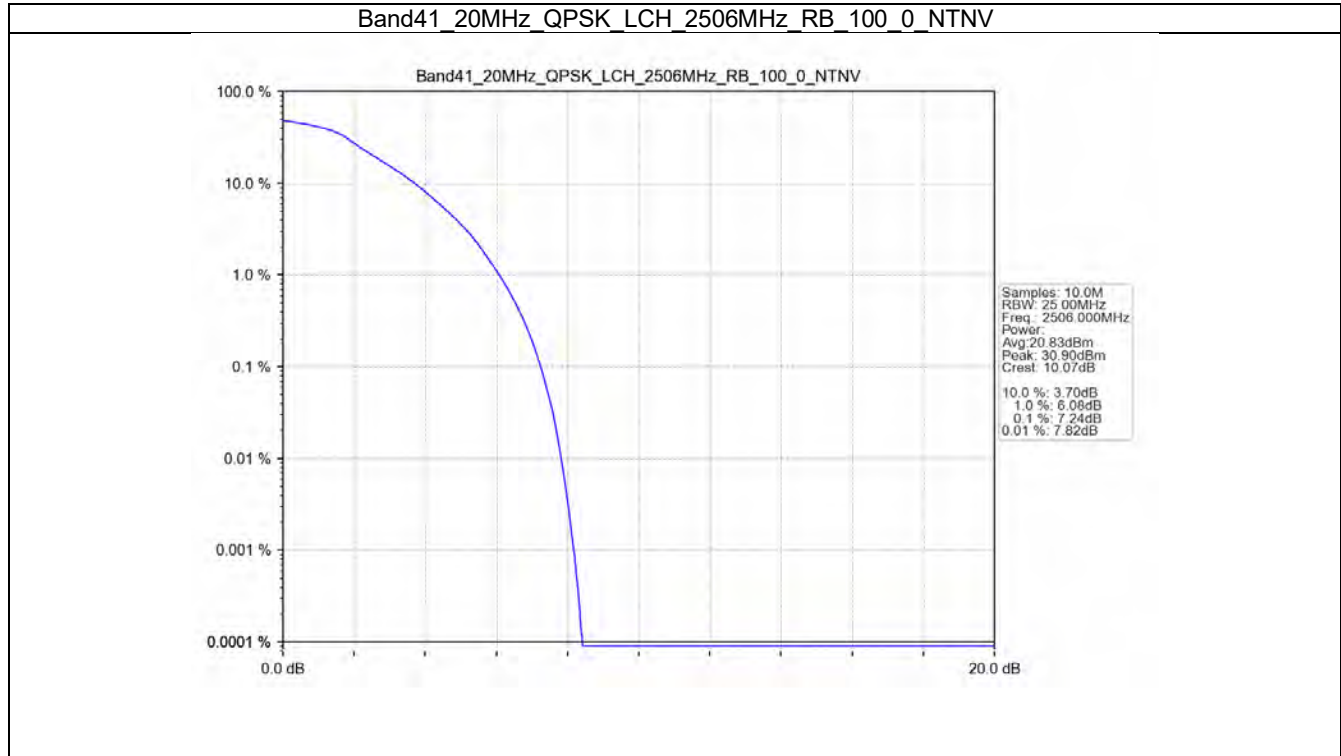
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4.4.2 Test Graph



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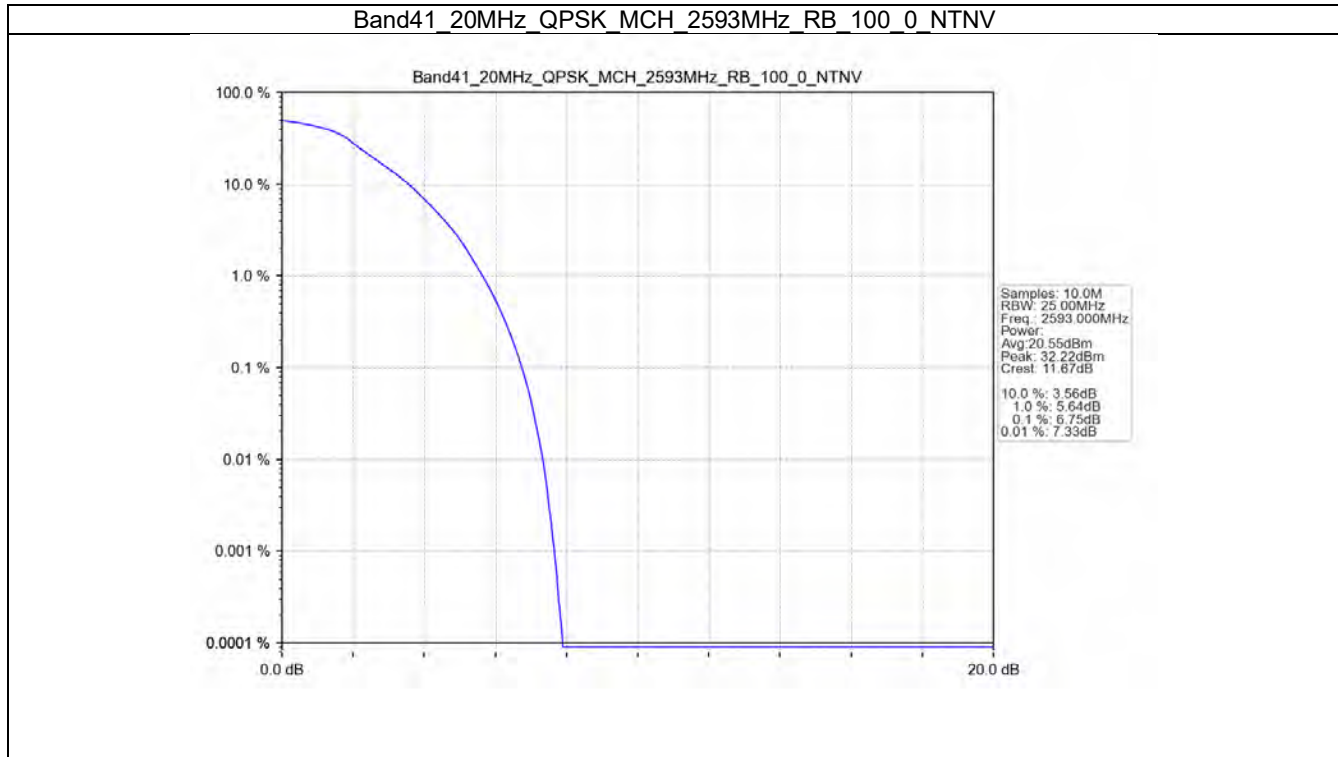


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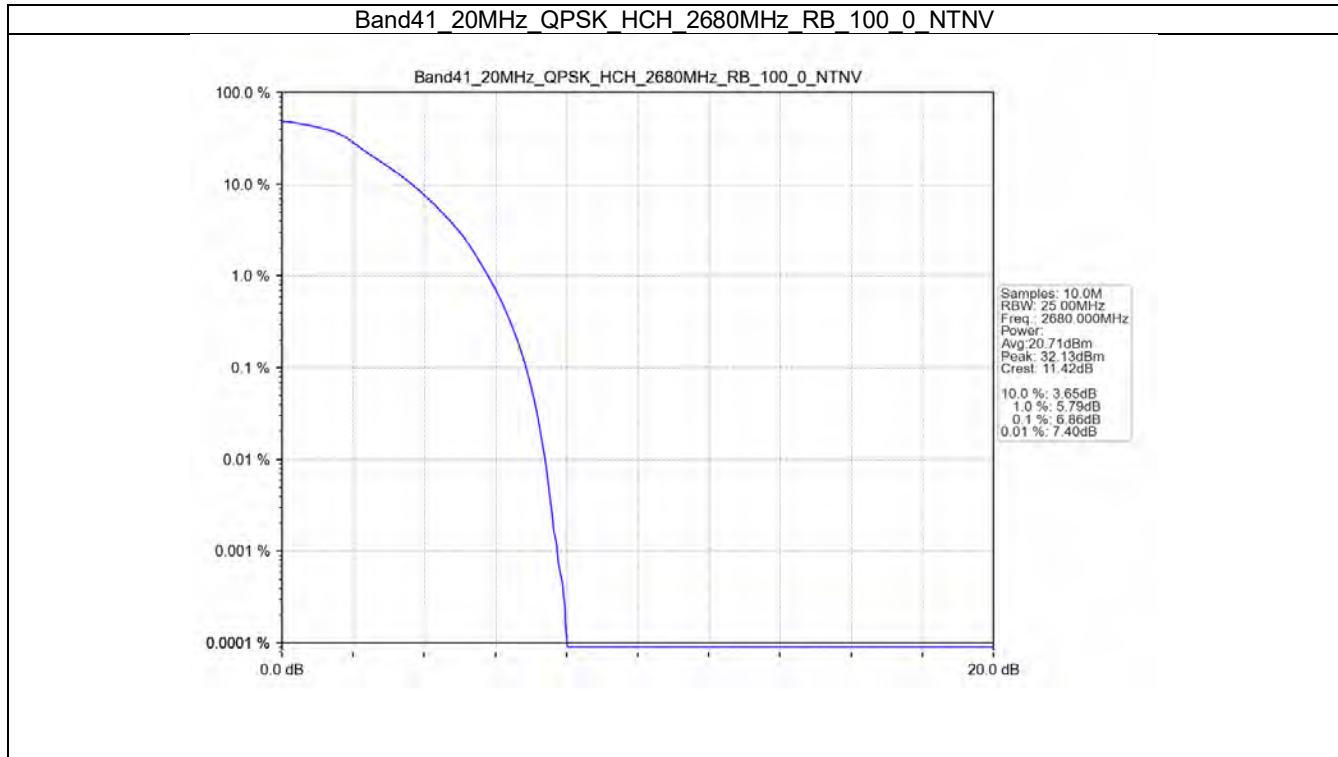


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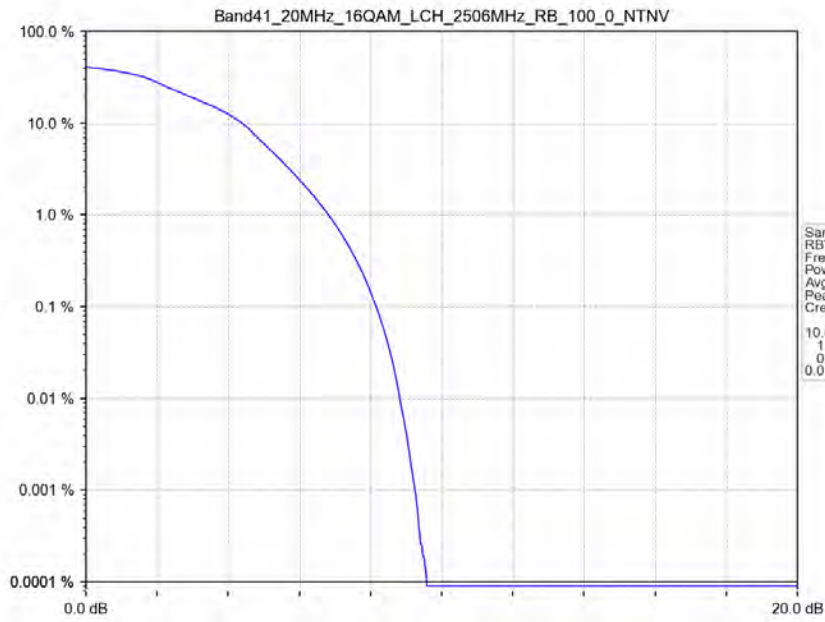
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Band41_20MHz_16QAM_LCH_2506MHz_RB_100_0_NTNV



Samples: 10.0M
 RBW: 25.00MHz
 Freq: 2506.000MHz
 Power:
 Avg: 19.71dBm
 Peak: 30.55dBm
 Crest: 10.84dB



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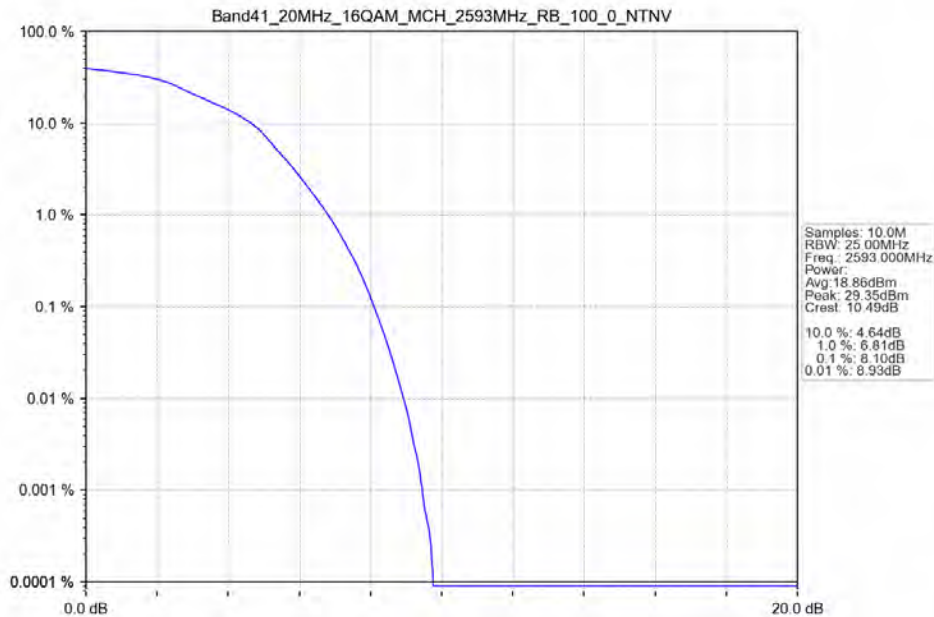
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Band41_20MHz_16QAM_MCH_2593MHz_RB_100_0_NTNV



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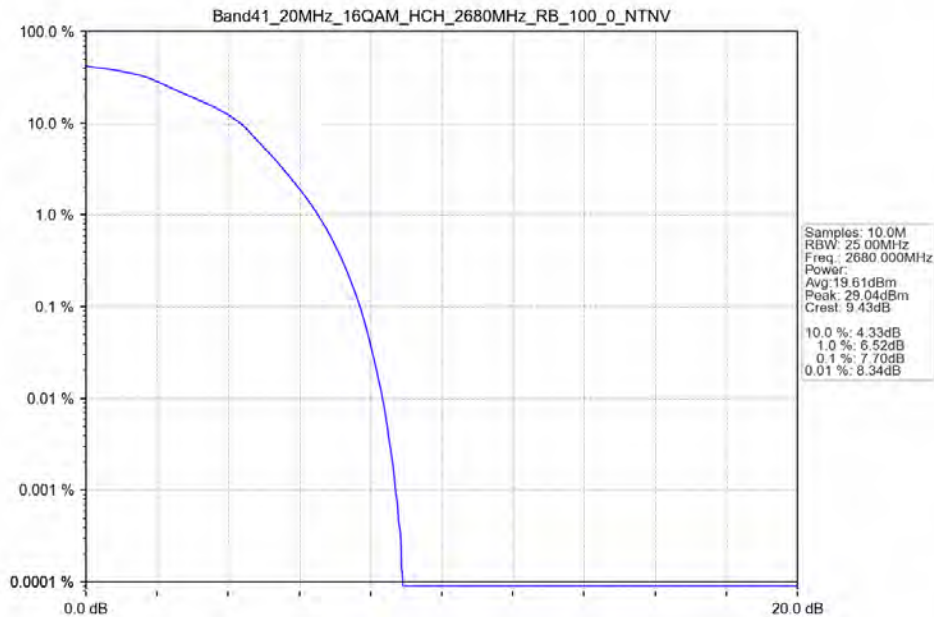
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Band41_20MHz_16QAM_HCH_2680MHz_RB_100_0_NTNV



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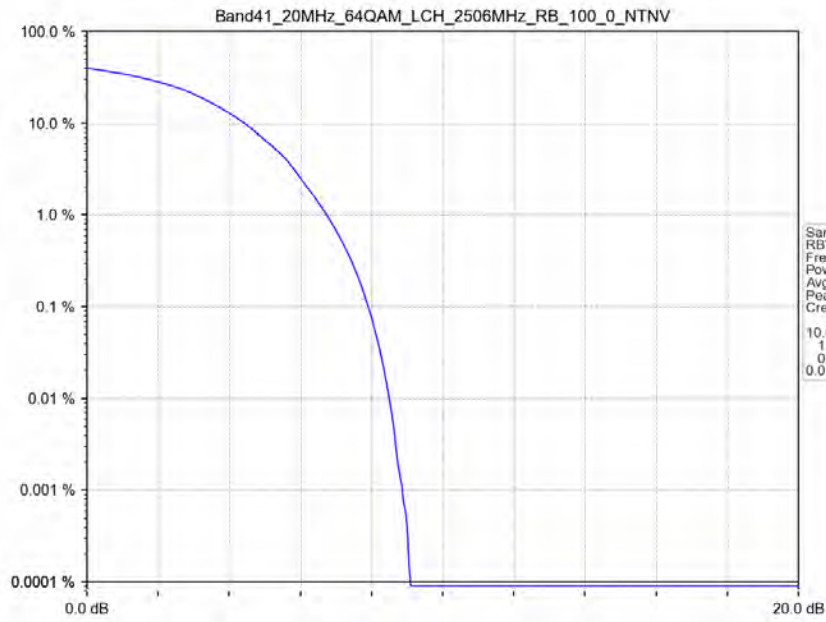
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Band41_20MHz_64QAM_LCH_2506MHz_RB_100_0_NTNV



Samples: 10.0M
RBW: 25.00MHz
Freq: 2506.000MHz
Power:
Avg: 18.48dBm
Peak: 27.61dBm
Crest: 9.13dB

10.0 %: 4.43dB
1.0 %: 6.74dB
0.1 %: 7.91dB
0.01 %: 8.50dB



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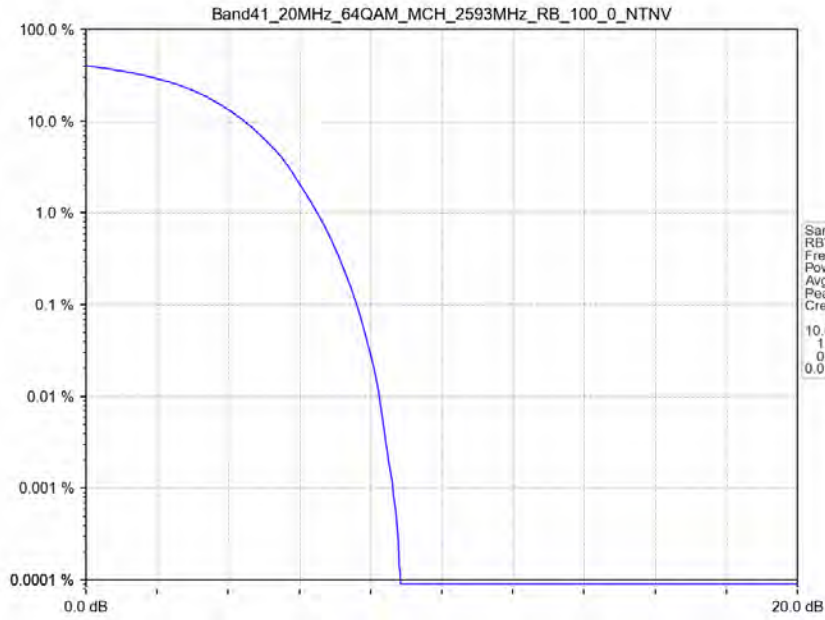
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Band41_20MHz_64QAM_MCH_2593MHz_RB_100_0_NTNV



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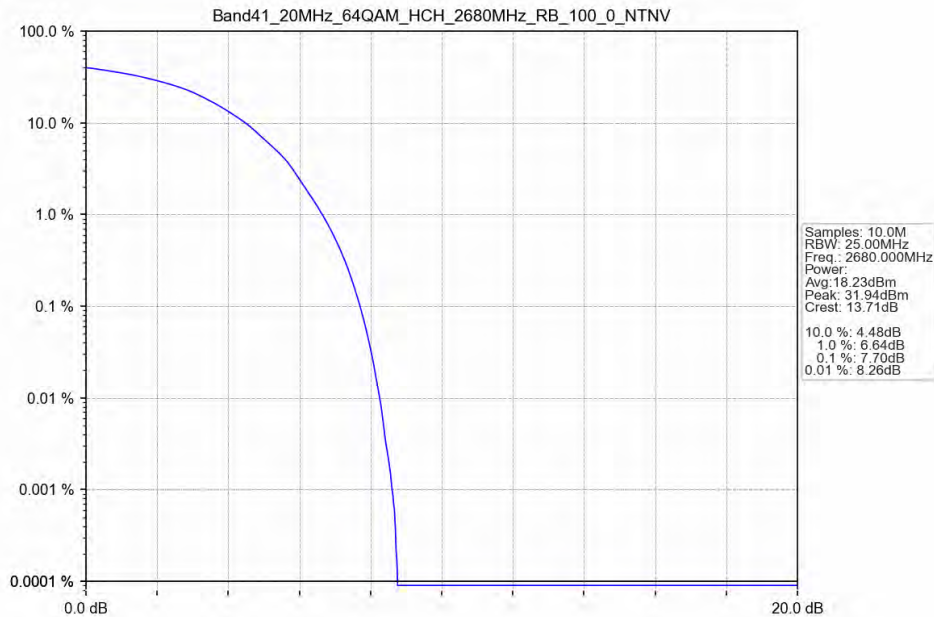
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Band41_20MHz_64QAM_HCH_2680MHz_RB_100_0_NTNV



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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	
		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
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
16QAM	2498.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
	2687.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
64QAM	2498.5	1	0	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
	2687.5	1	0	Refer To Test Graph	Pass
			24	Refer To Test Graph	Pass
		25	0	Refer To Test Graph	Pass



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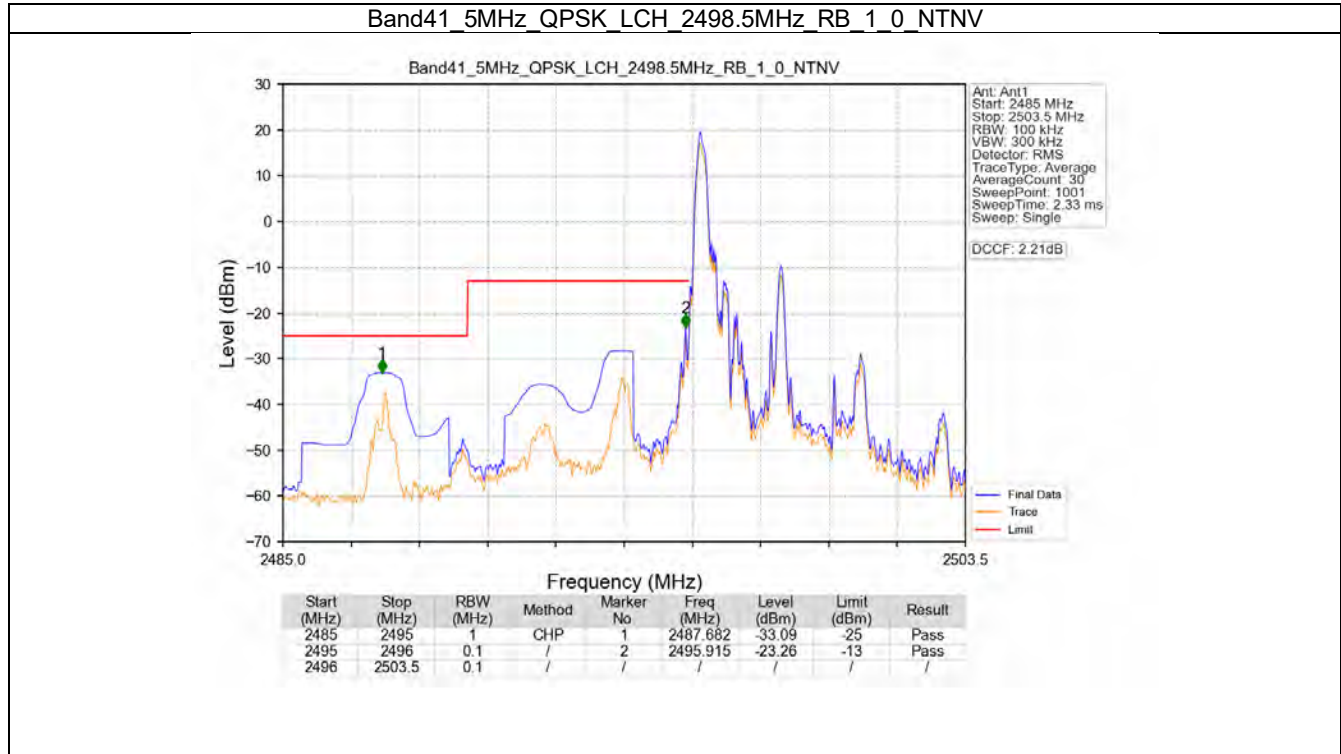
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5.1.2 Test Graph



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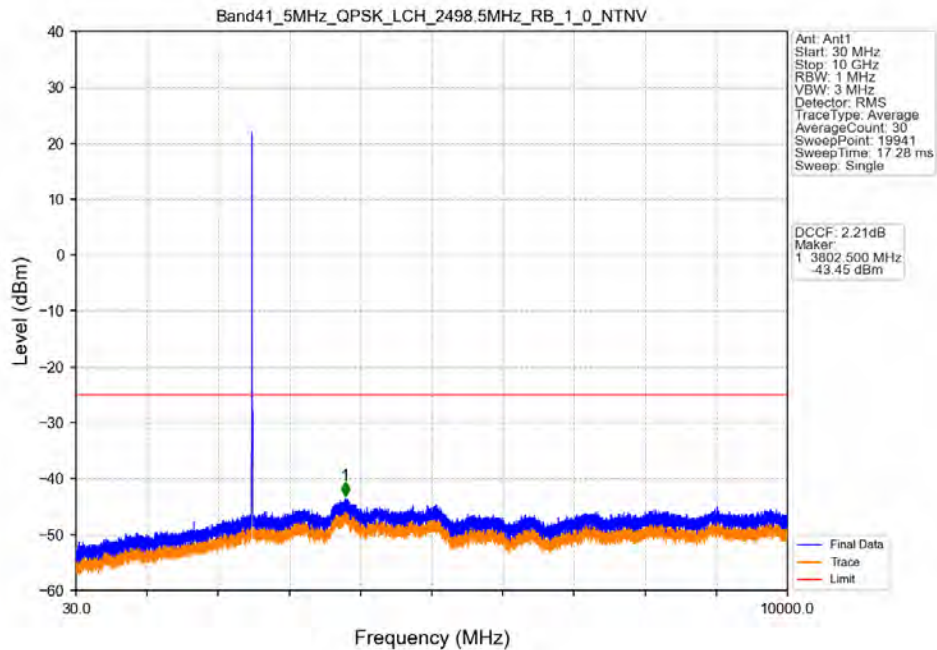
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Band41_5MHz_QPSK_LCH_2498.5MHz_RB_1_0_NTNV



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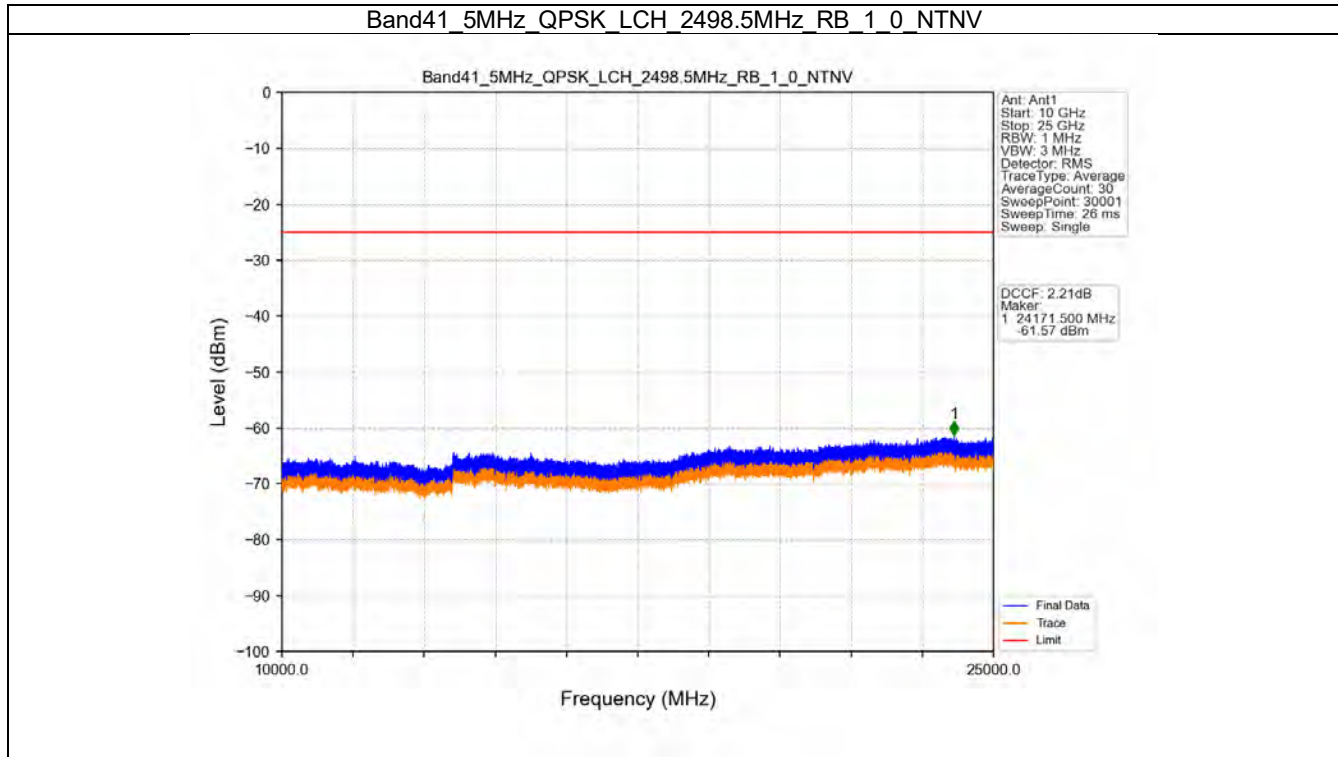


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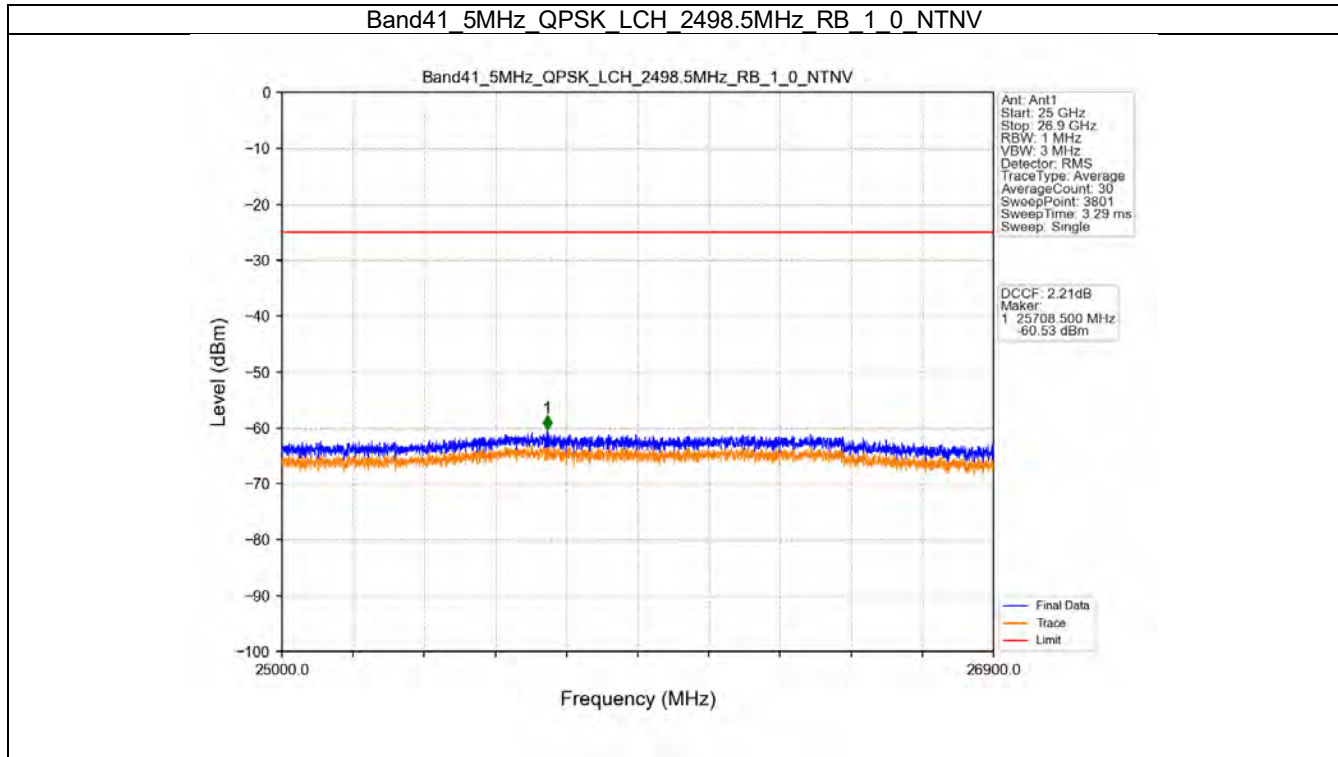


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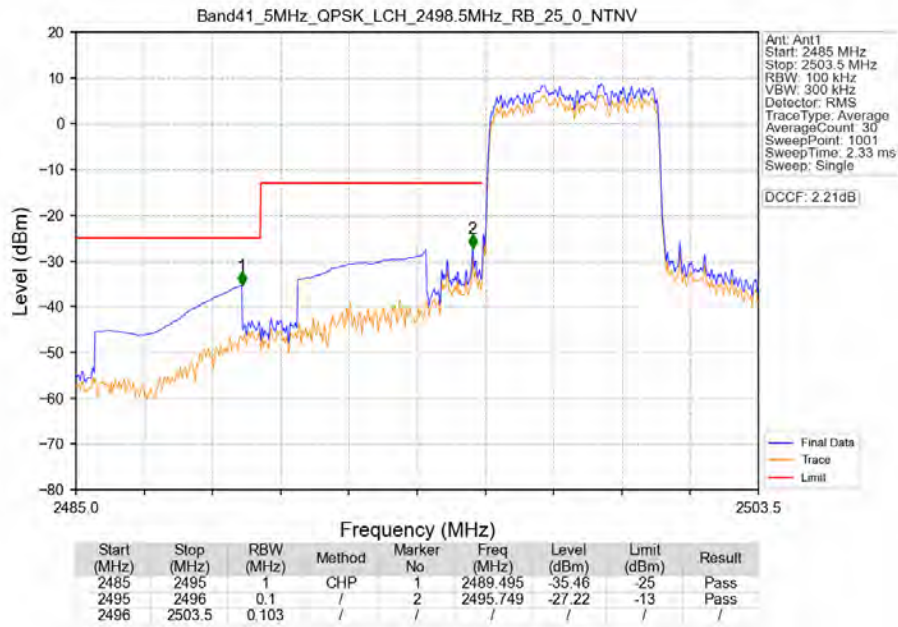
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Band41_5MHz_QPSK_LCH_2498.5MHz_RB_25_0_NTNV



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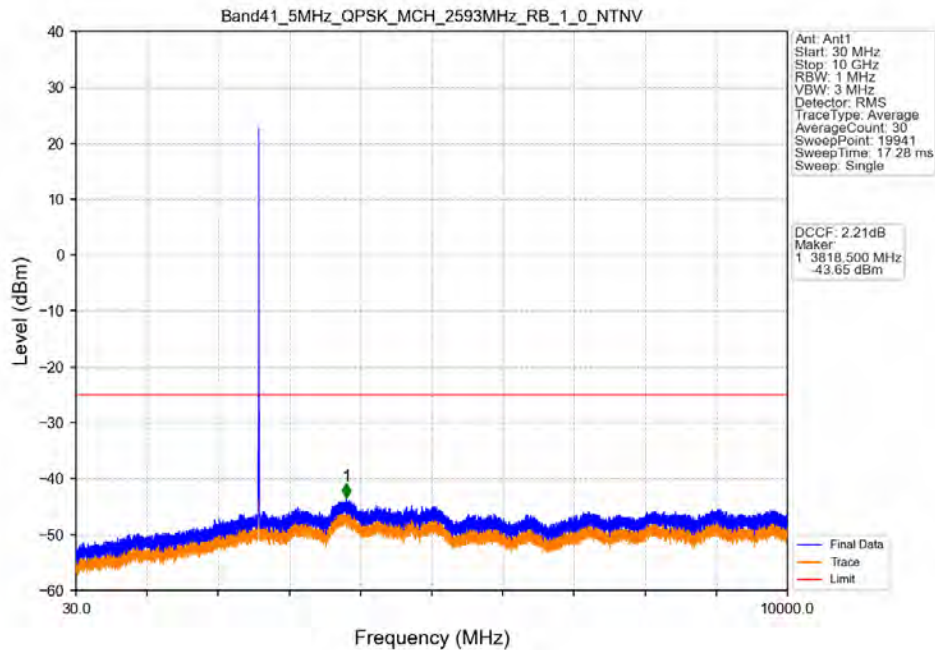
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Band41_5MHz_QPSK_MCH_2593MHz_RB_1_0_NTNV



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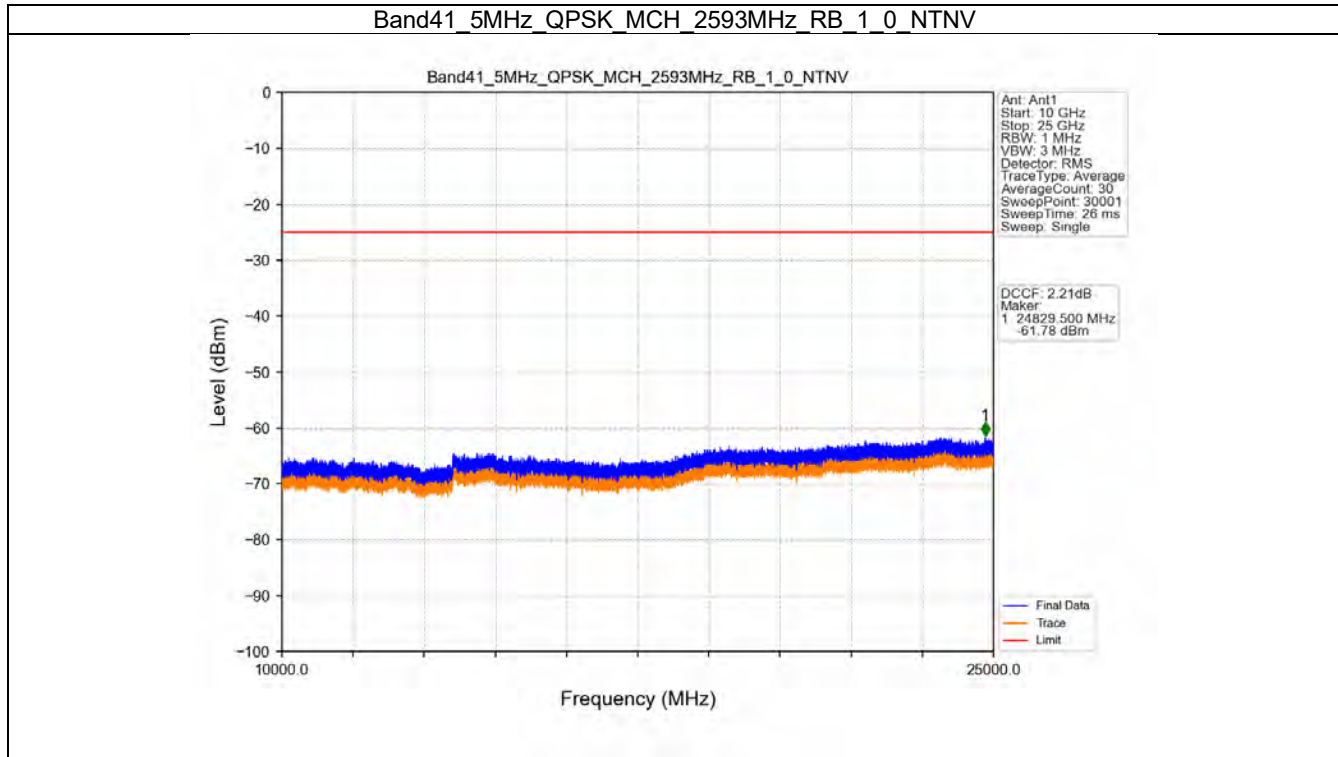


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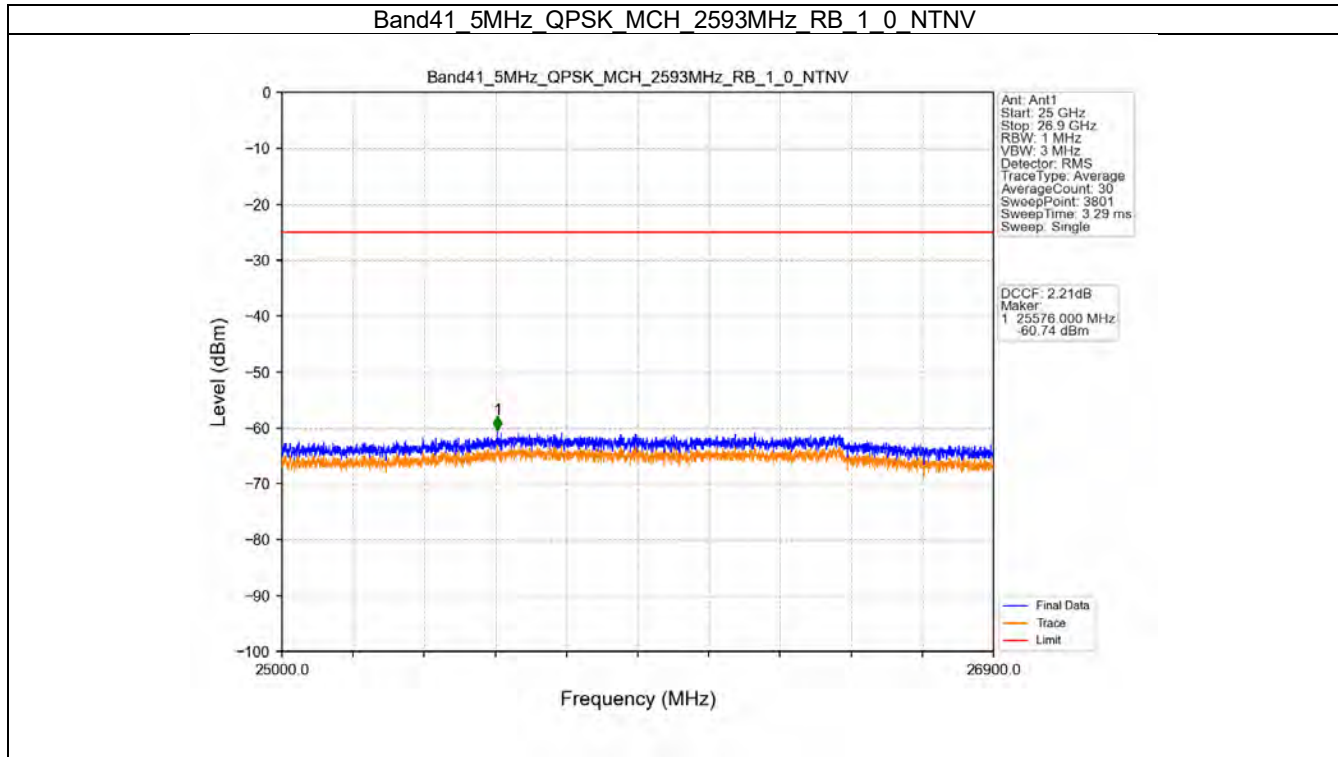


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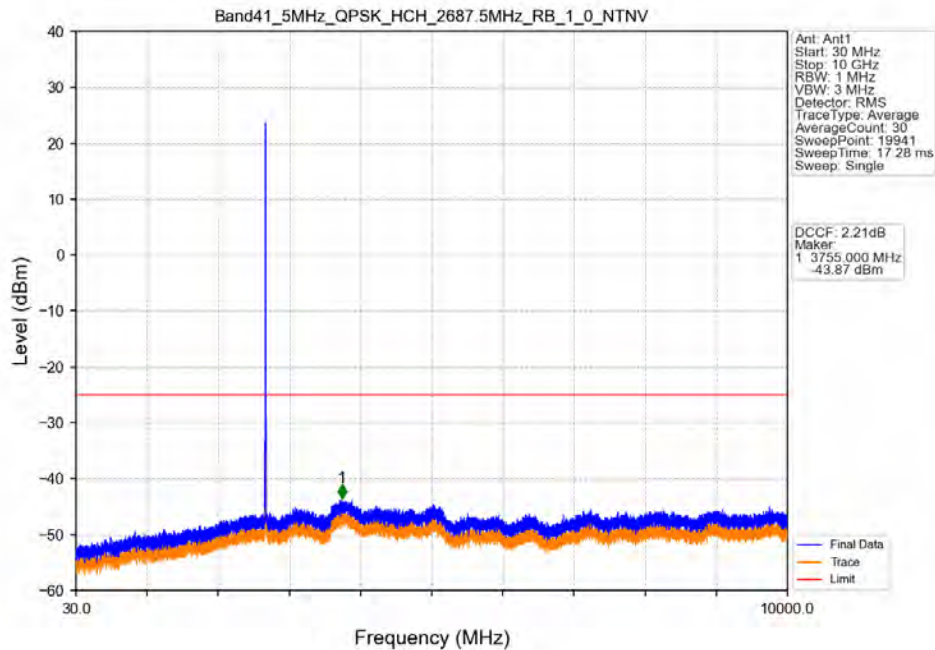
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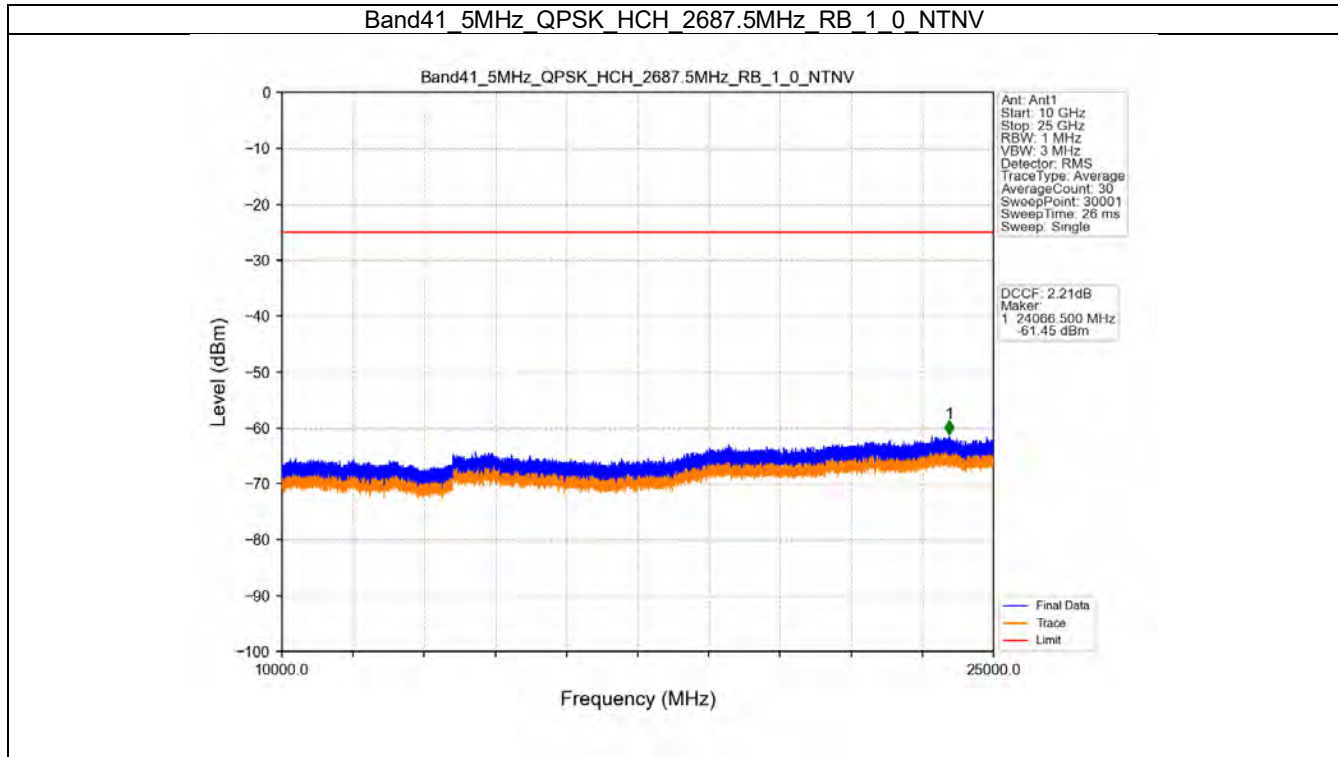


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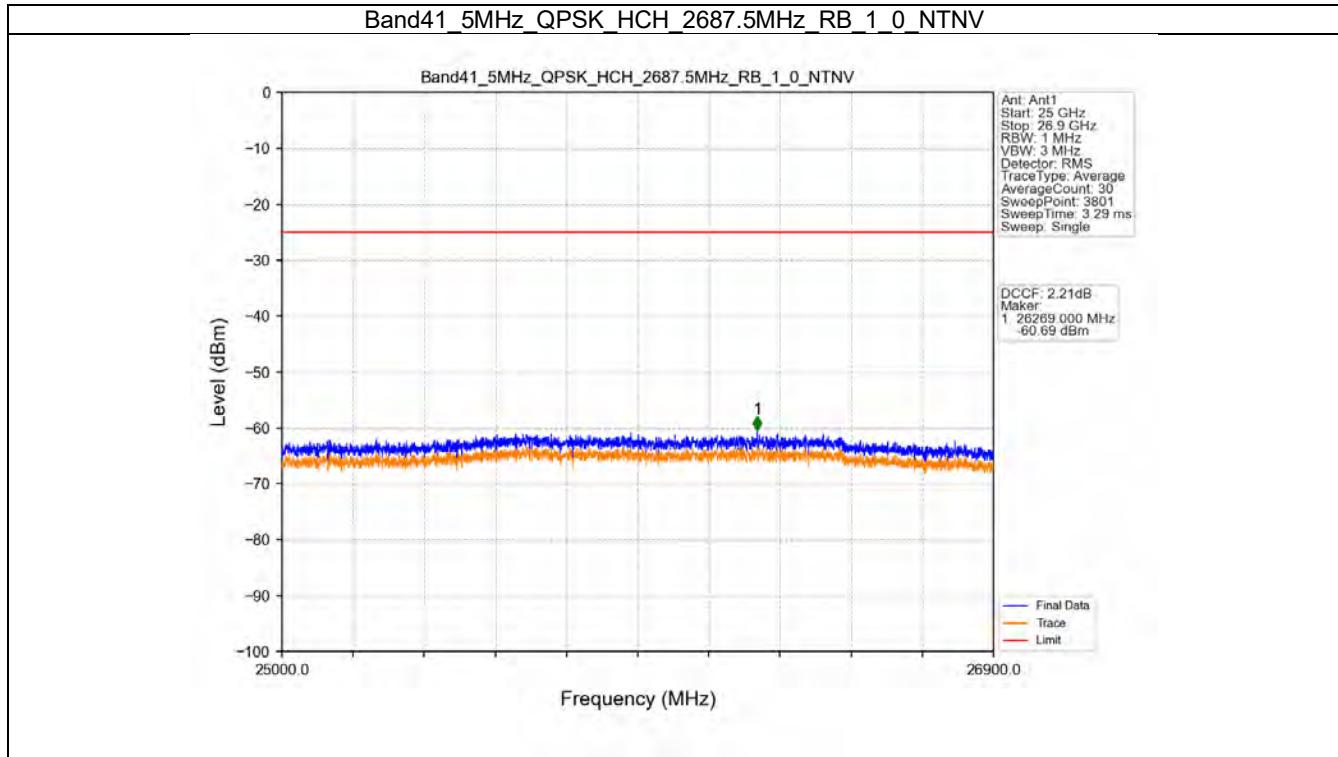


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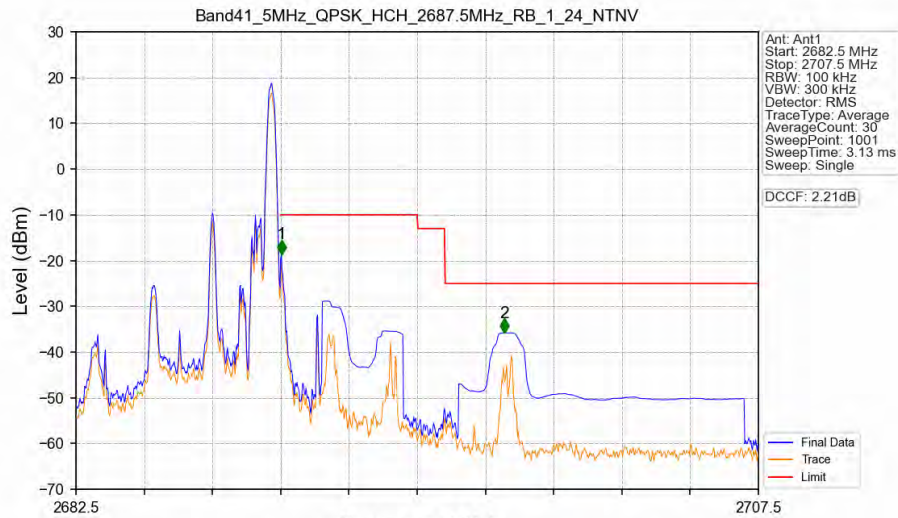
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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	/	/	/	/	/
2690	2691	0.1	/	1	2690.025	-18.61	-10	Pass
2691	2707.5	1	CHP	2	2698.200	-35.81	-25	Pass



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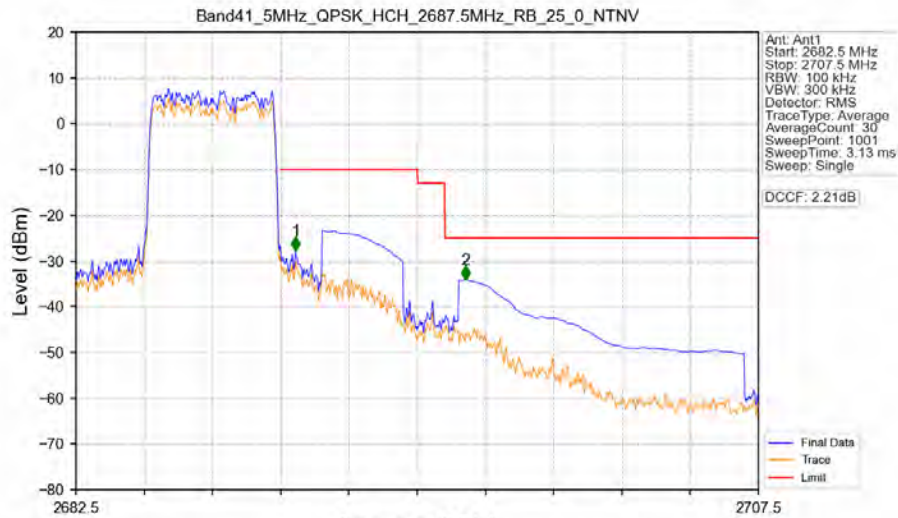
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Band41_5MHz_QPSK_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	1	2690.550	-27.79	-10	Pass
2690	2691	0.1	/	2	2696.775	-34.17	-25	Pass
2691	2707.5	1	CHP					



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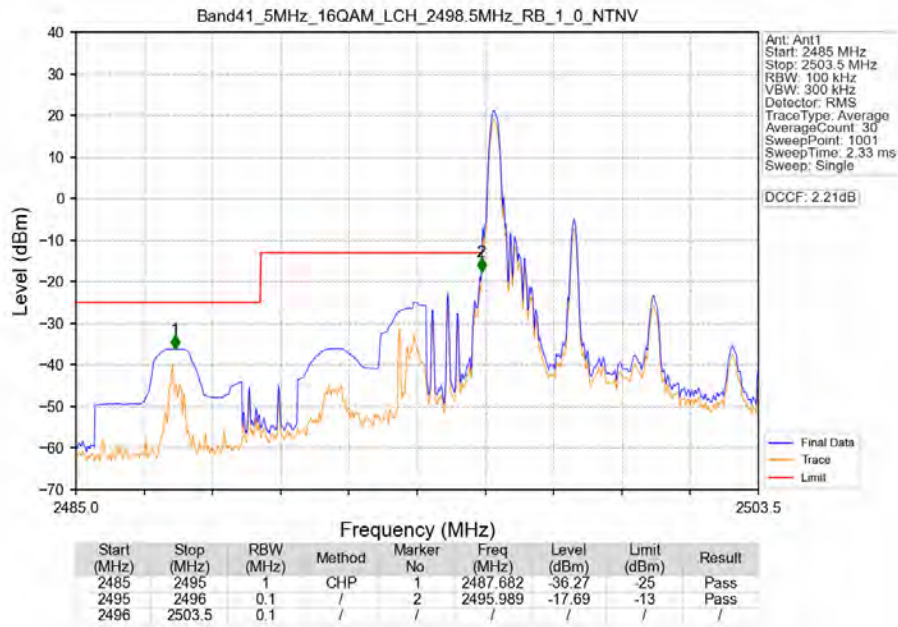
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Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



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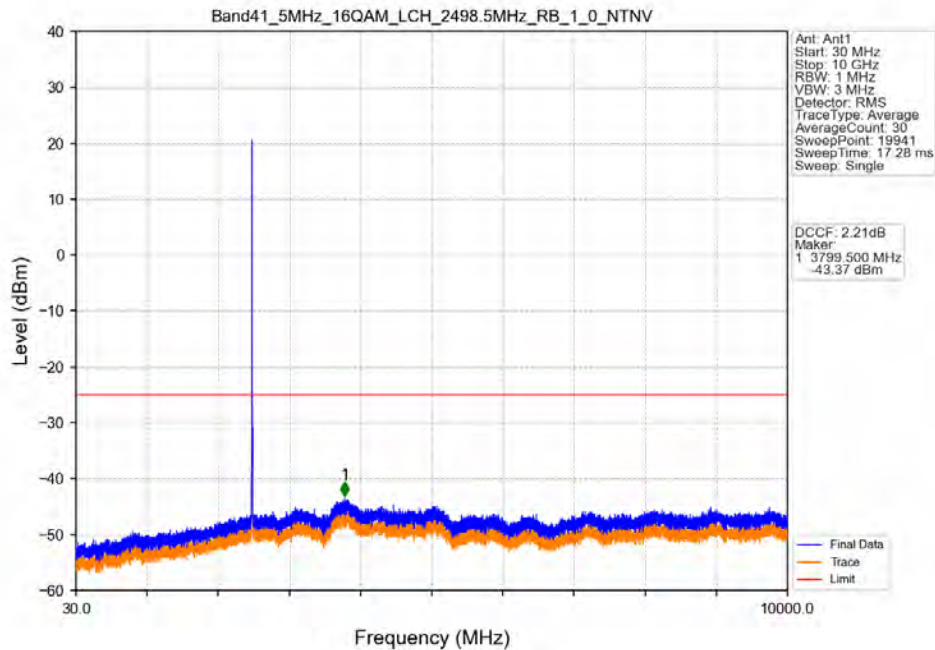
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Band41_5MHz_16QAM_LCH_2498.5MHz_RB_1_0_NTNV



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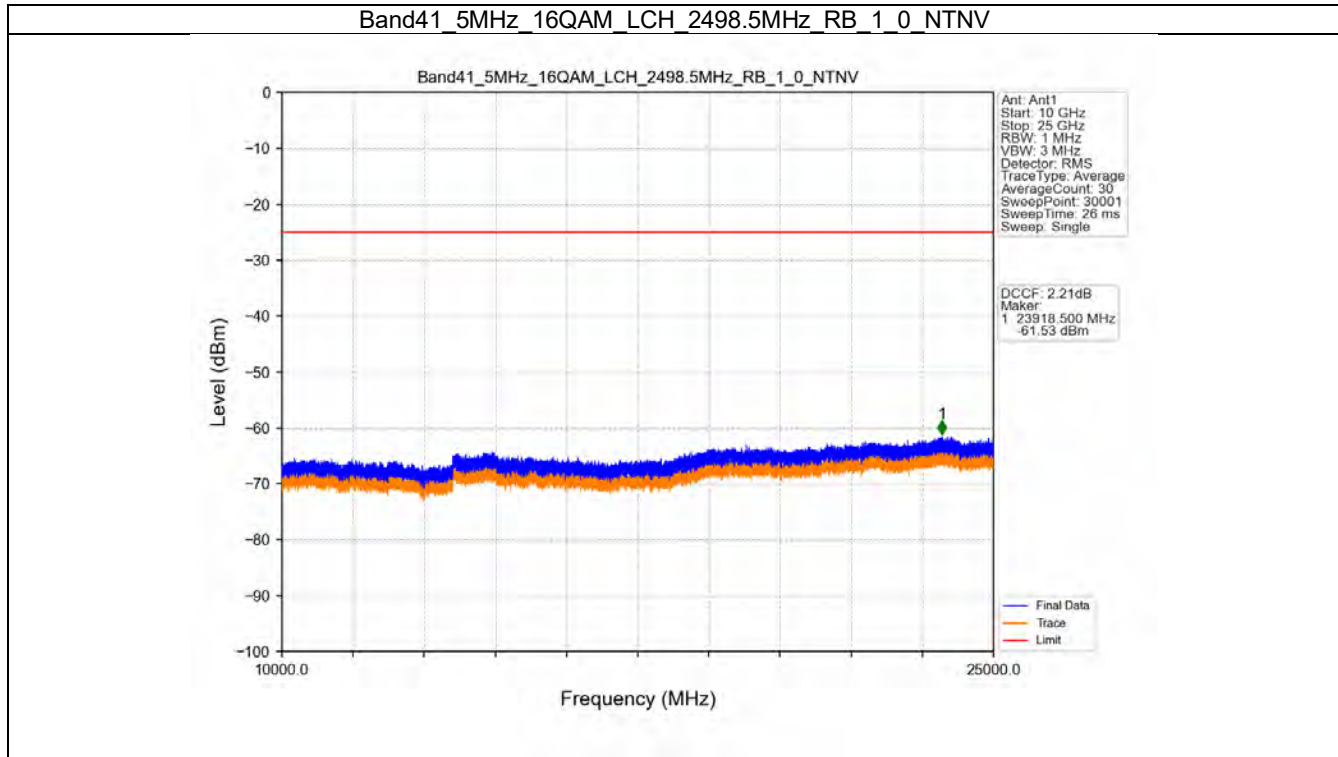


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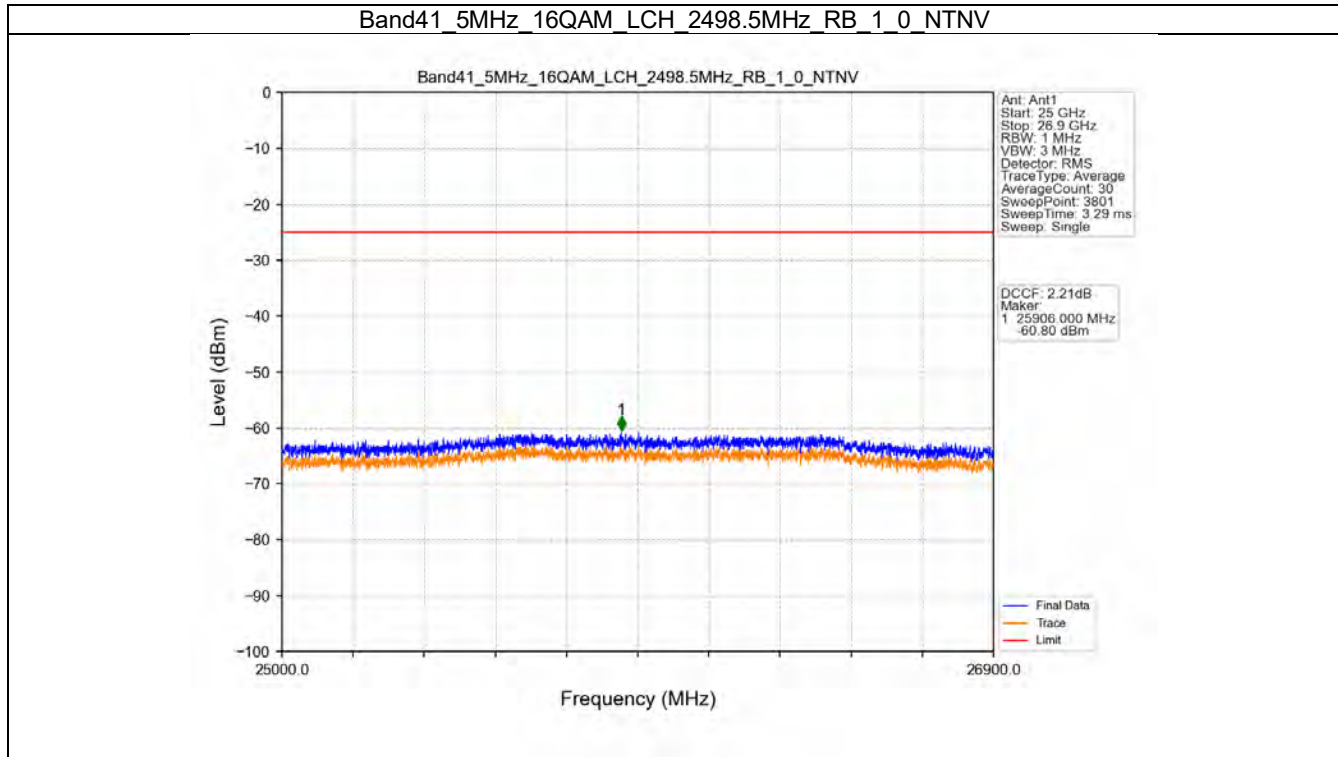


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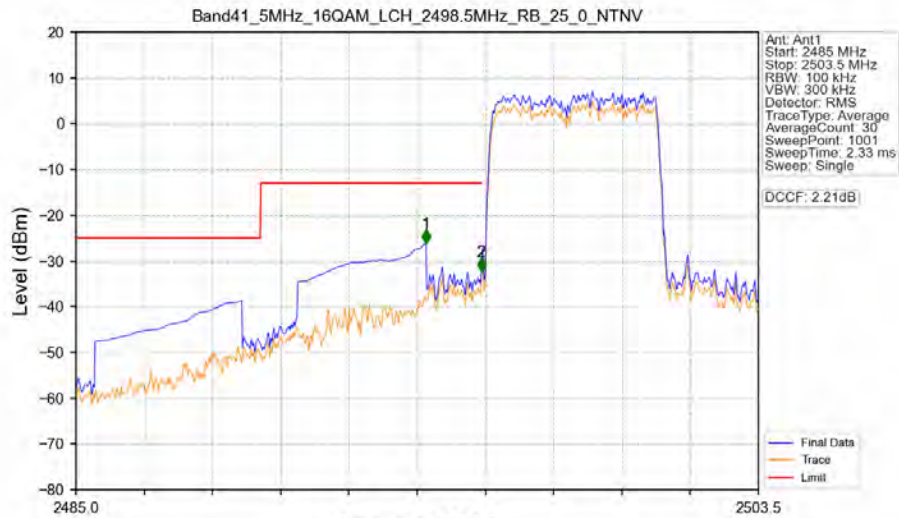
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Band41_5MHz_16QAM_LCH_2498.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2494.490	-26.28	-13	Pass
2495	2496	0.1	/	2	2495.989	-32.40	-13	Pass
2496	2503.5	0.1	/	/	/	/	/	/



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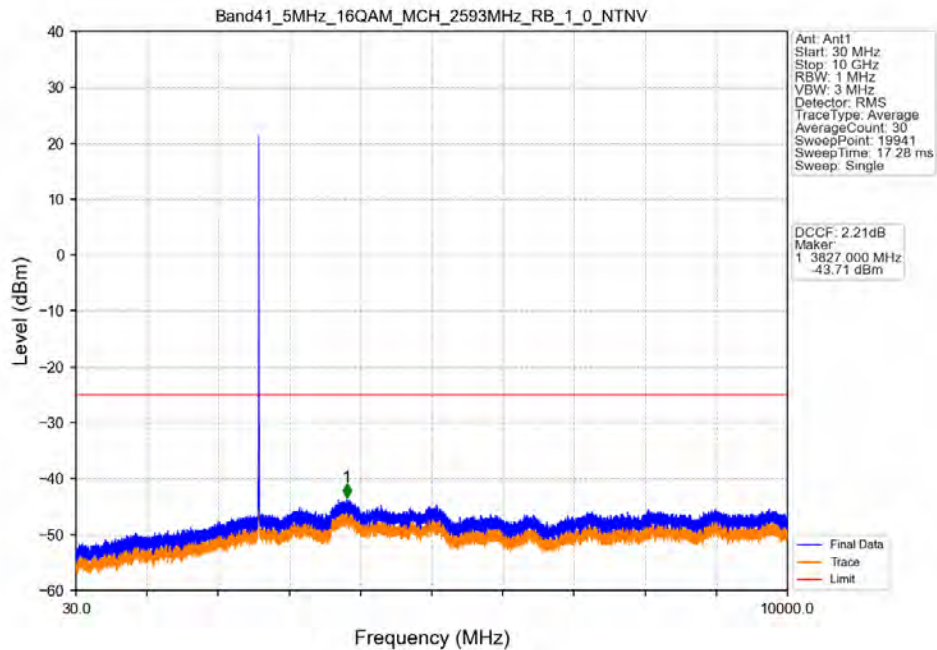
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Band41_5MHz_16QAM_MCH_2593MHz_RB_1_0_NTNV



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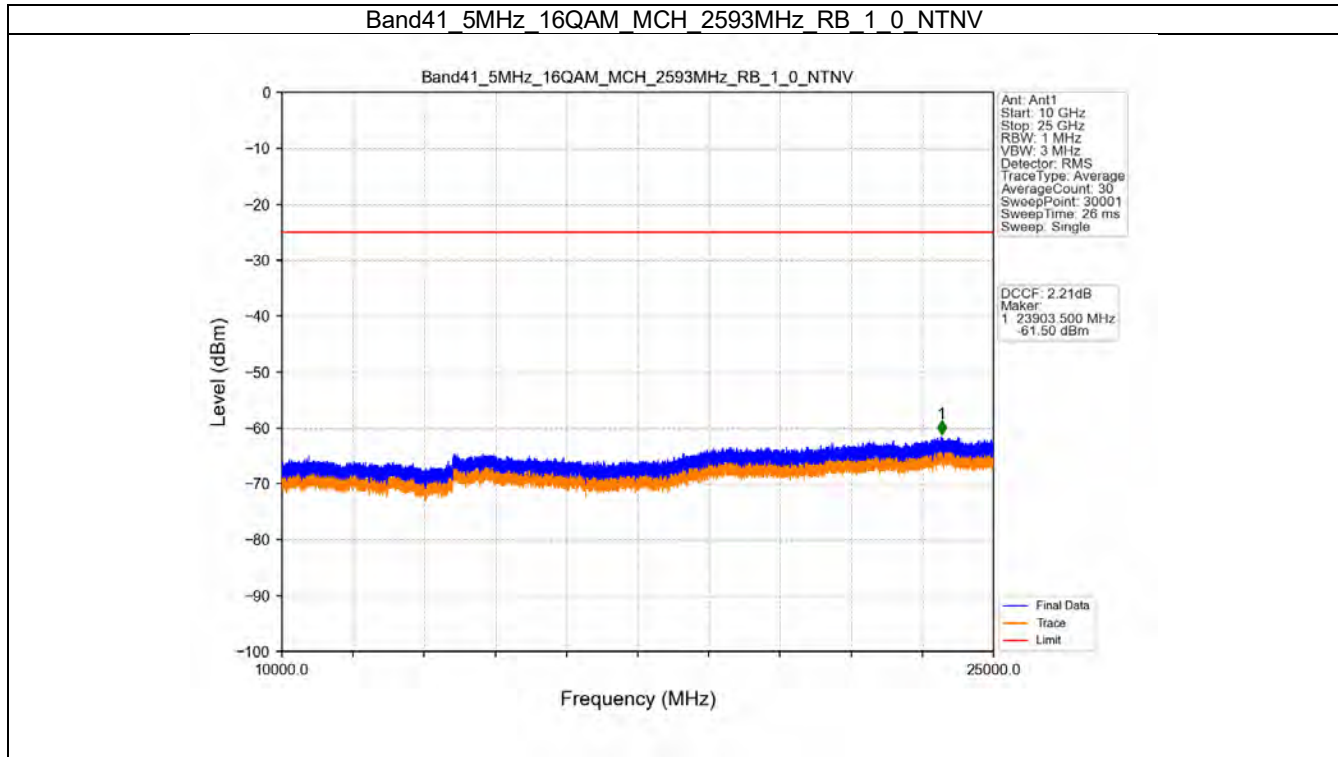


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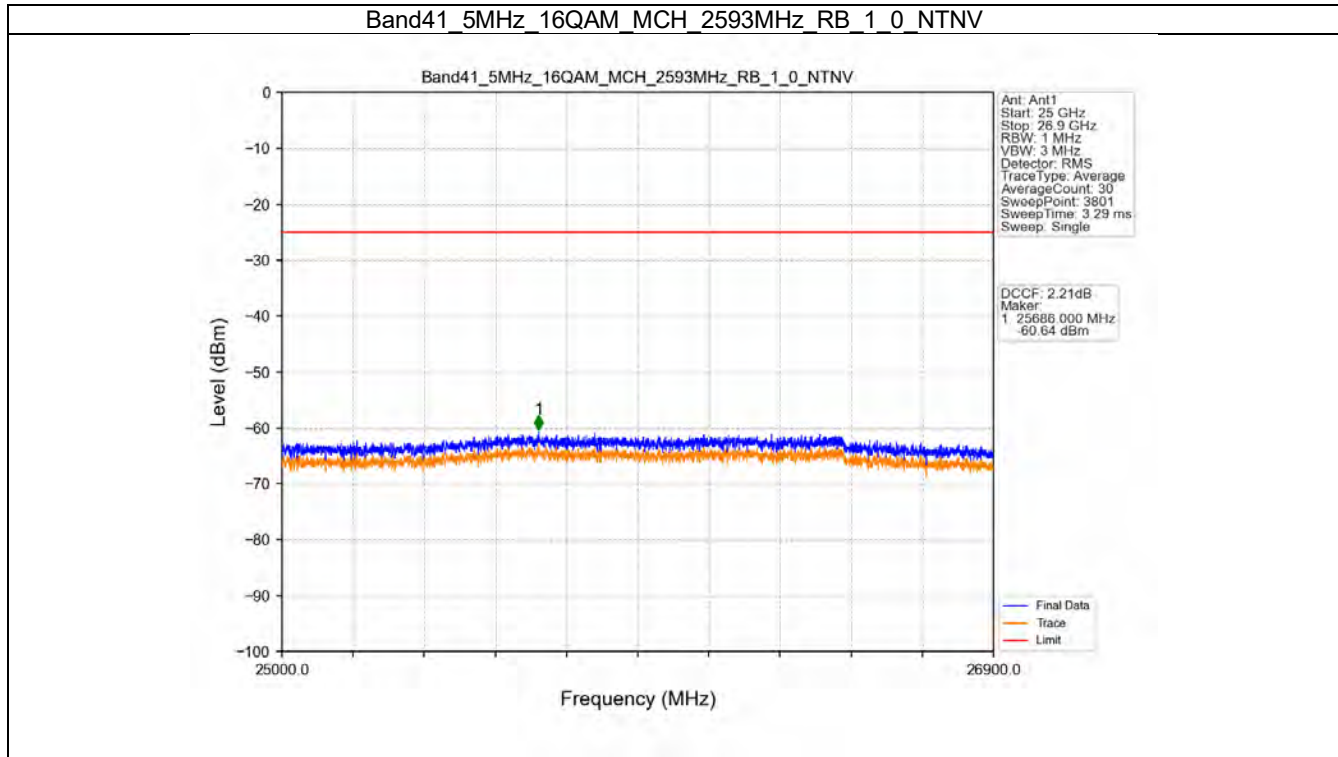


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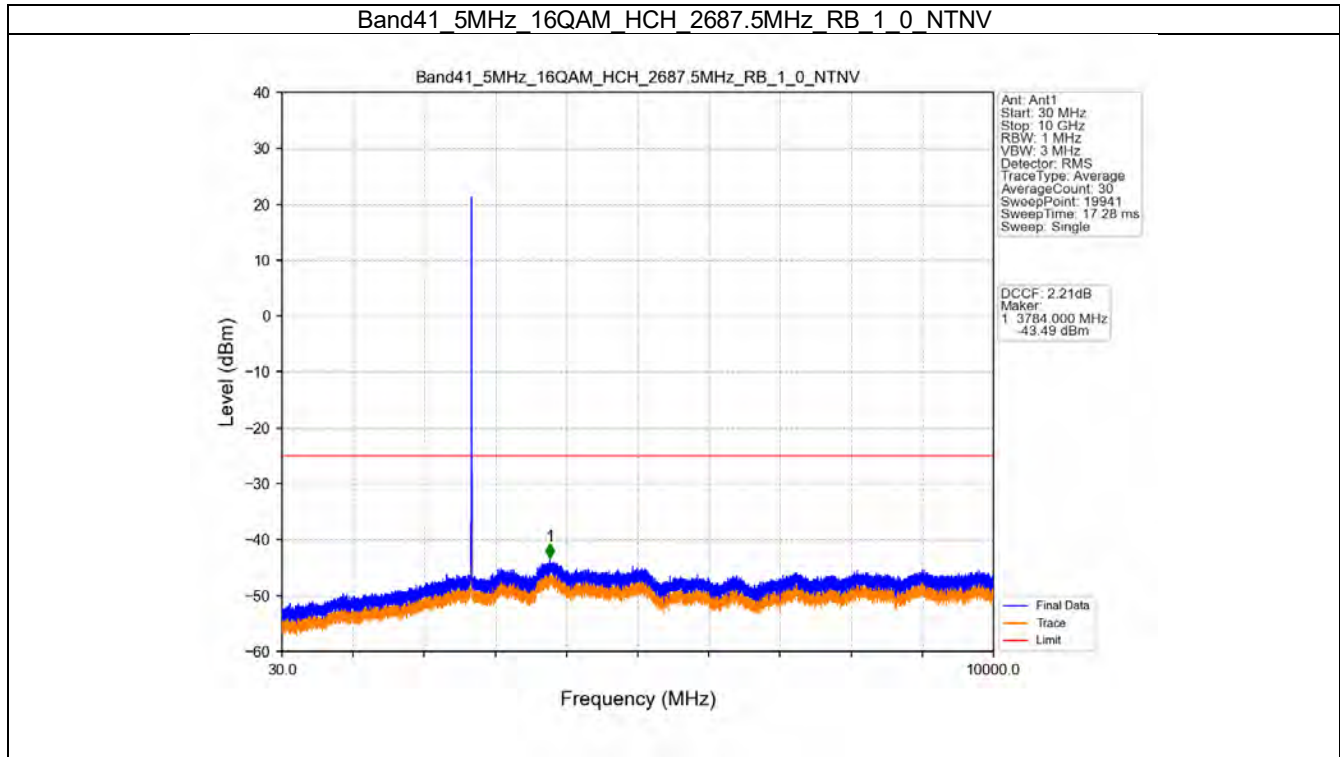


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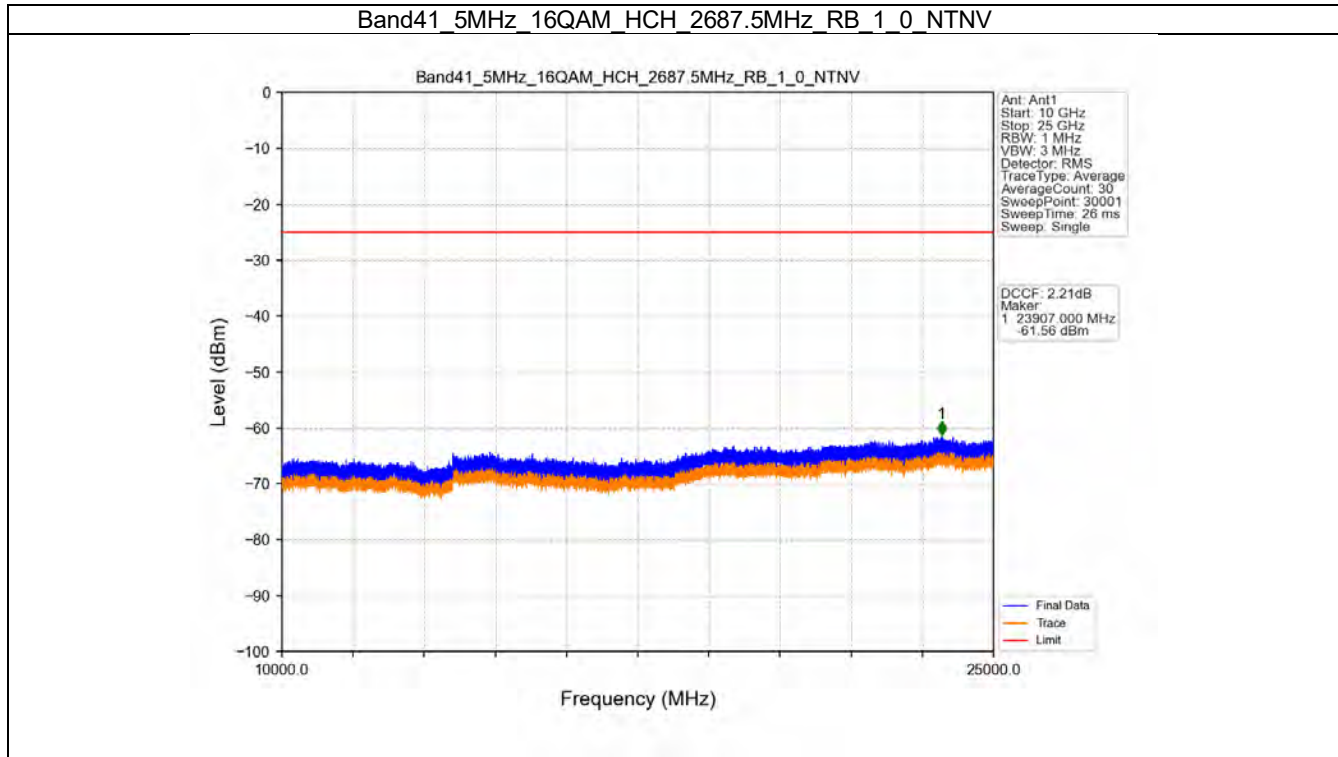


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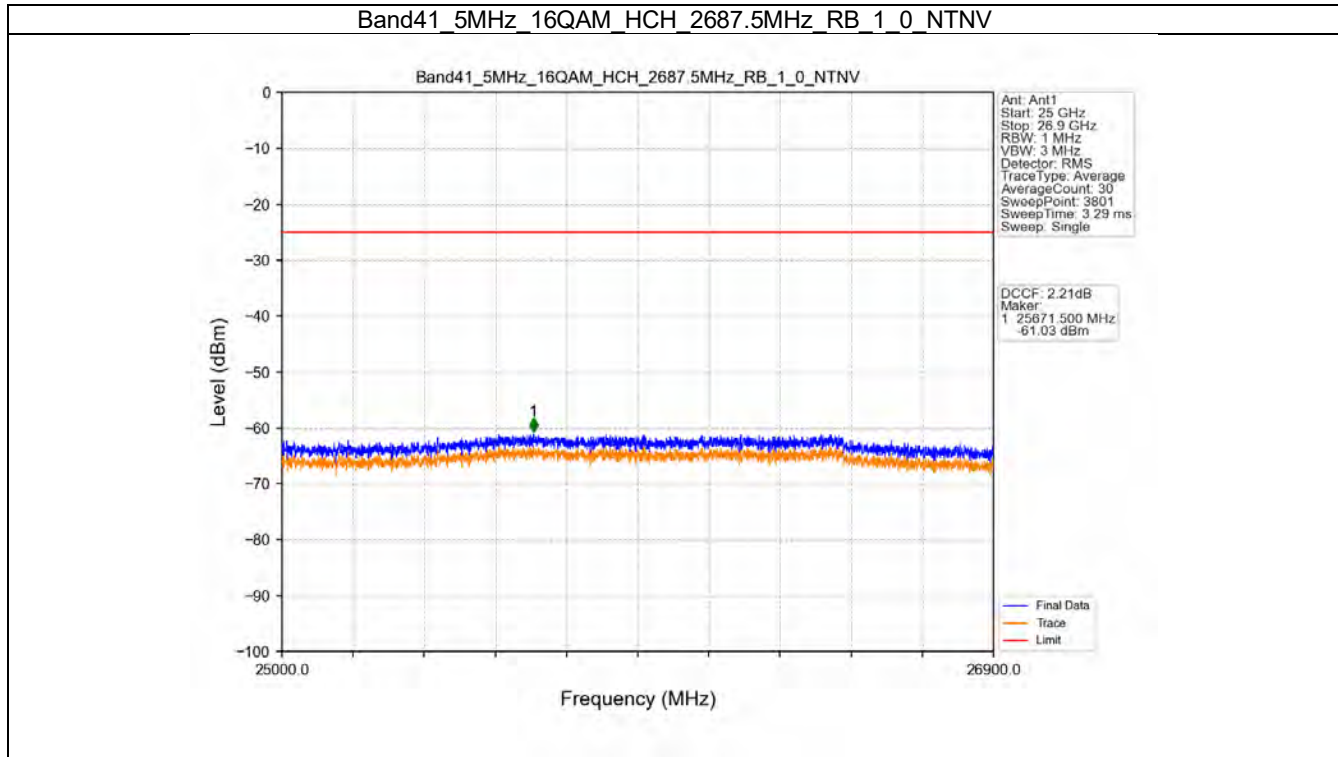


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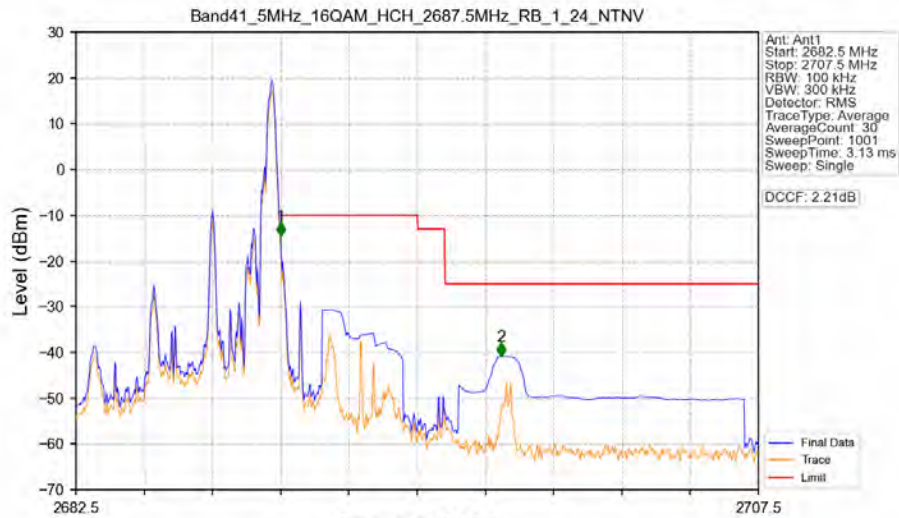
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Band41_5MHz_16QAM_HCH_2687.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	1	2690.000	-14.67	-10	Pass
2690	2691	0.1	/	2	2698.075	-40.90	-25	Pass
2691	2707.5	1	CHP					



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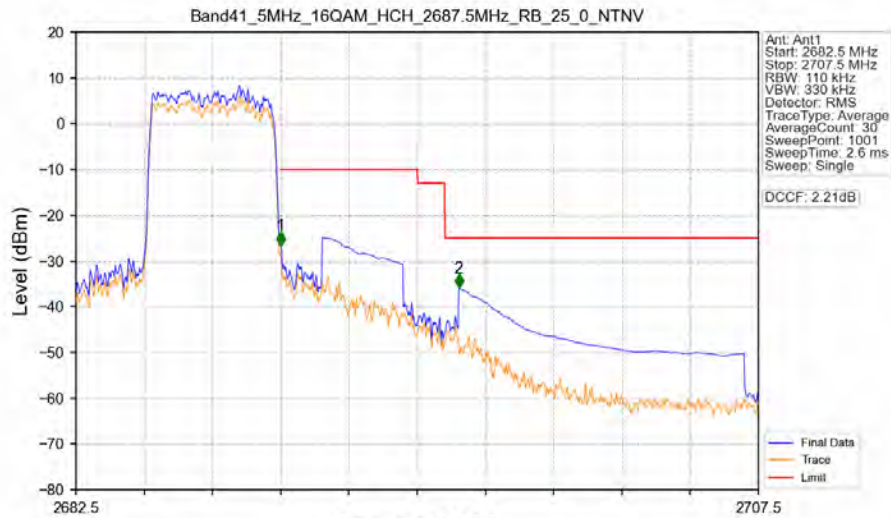
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Band41_5MHz_16QAM_HCH_2687.5MHz_RB_25_0_NTNV



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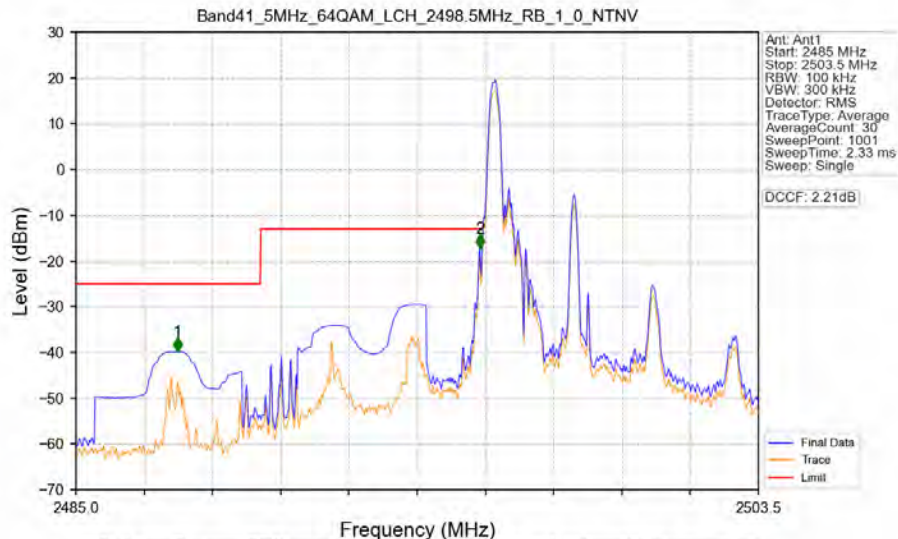
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Band41_5MHz_64QAM_LCH_2498.5MHz_RB_1_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2495	1	CHP	1	2487.756	-39.83	-25	Pass
2495	2496	0.1	/	2	2495.952	-17.33	-13	Pass
2496	2503.5	0.1	/	/	/	/	/	/



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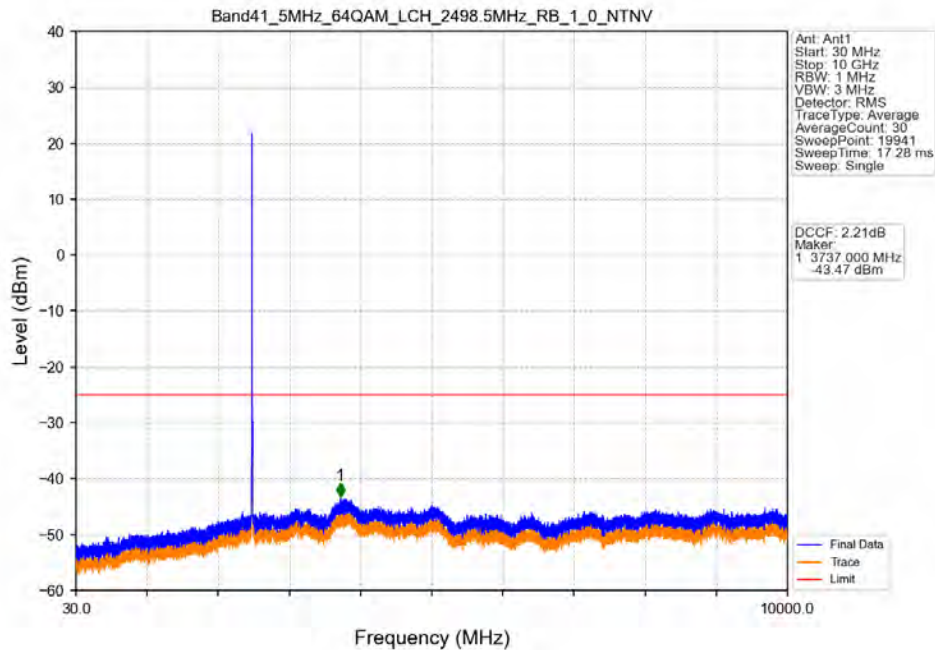
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Band41_5MHz_64QAM_LCH_2498.5MHz_RB_1_0_NTNV



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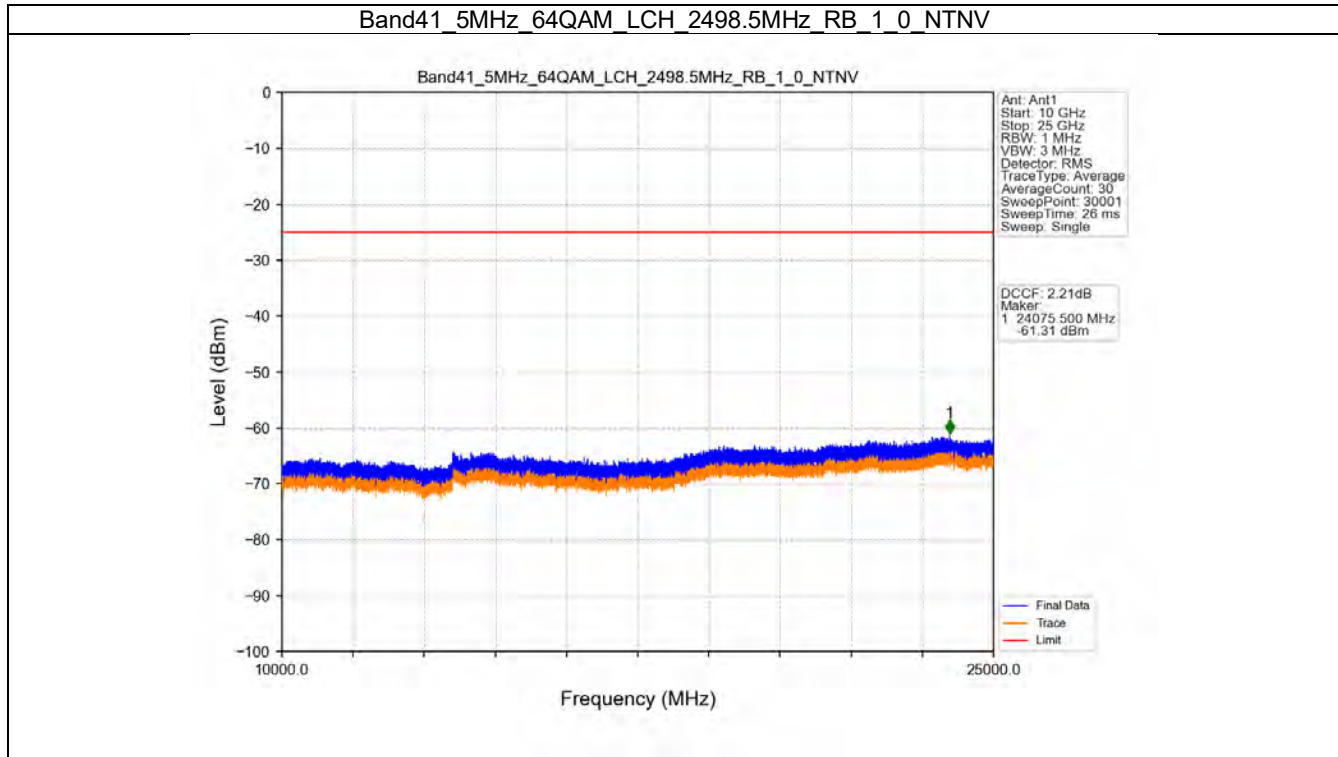


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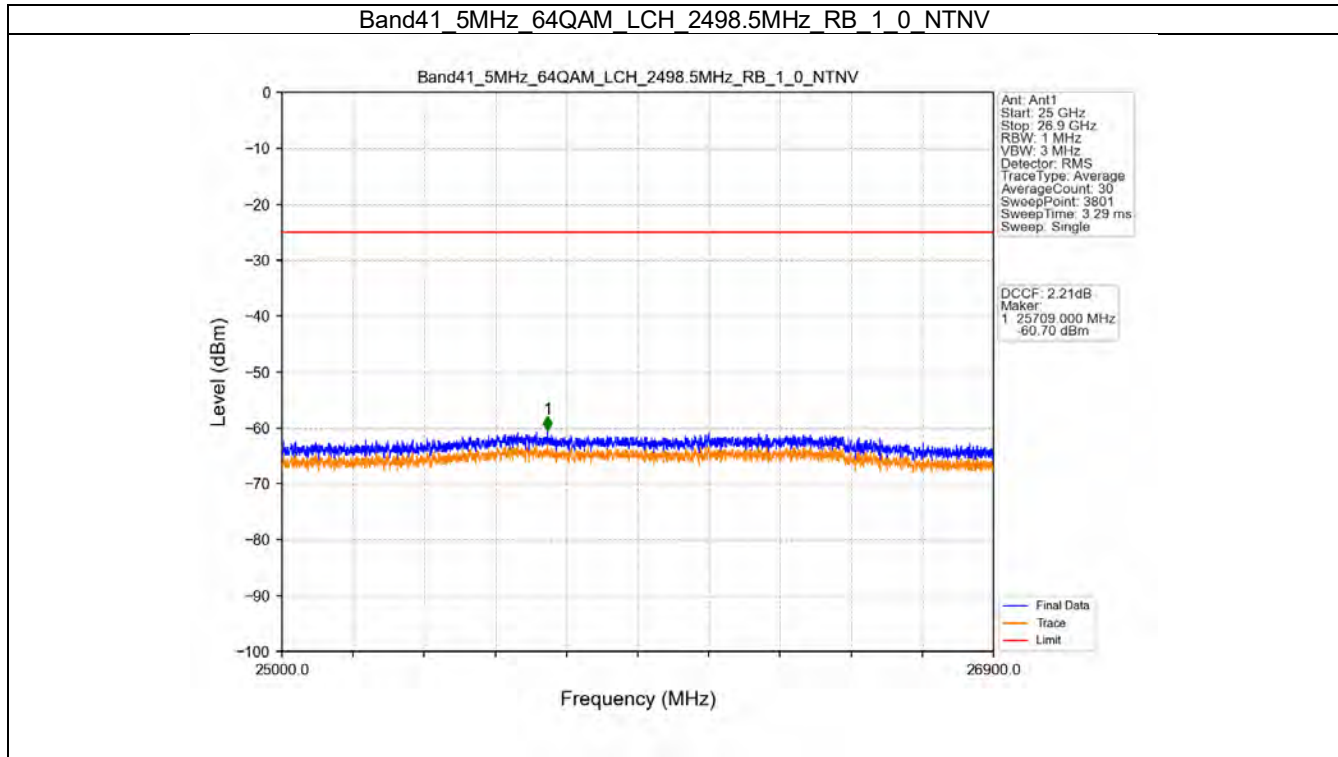


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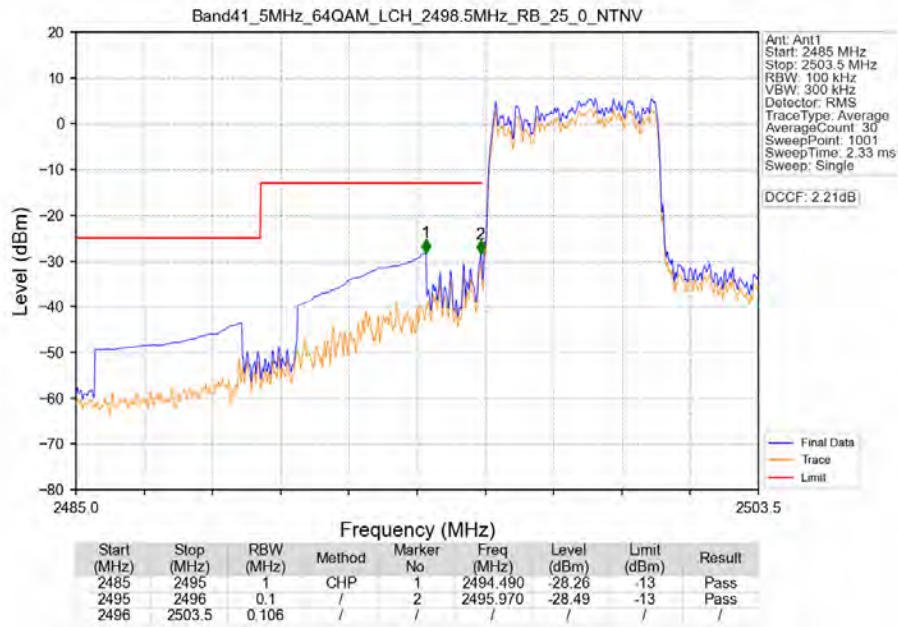
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Band41_5MHz_64QAM_LCH_2498.5MHz_RB_25_0_NTNV



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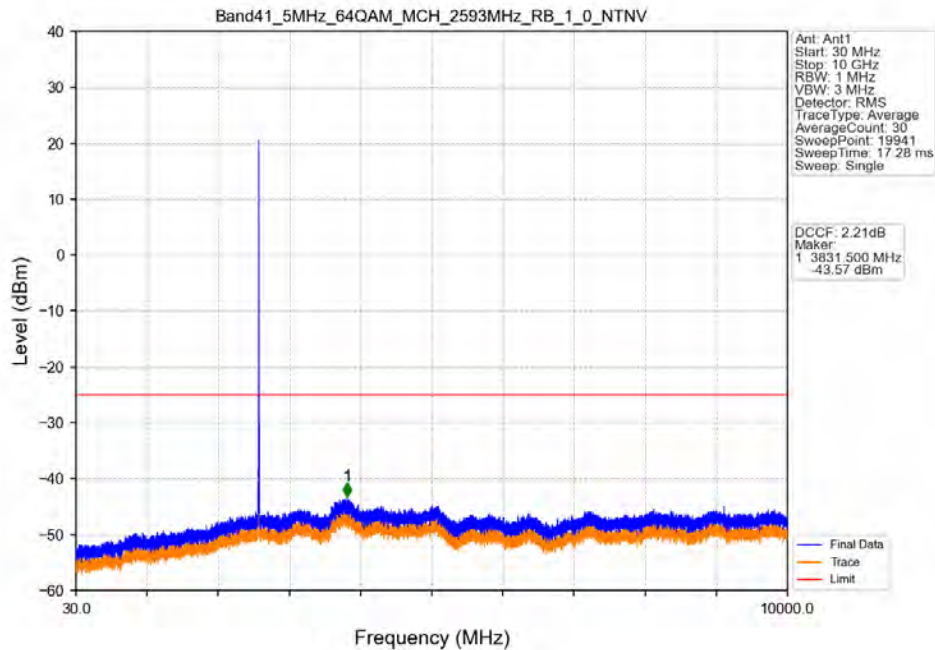
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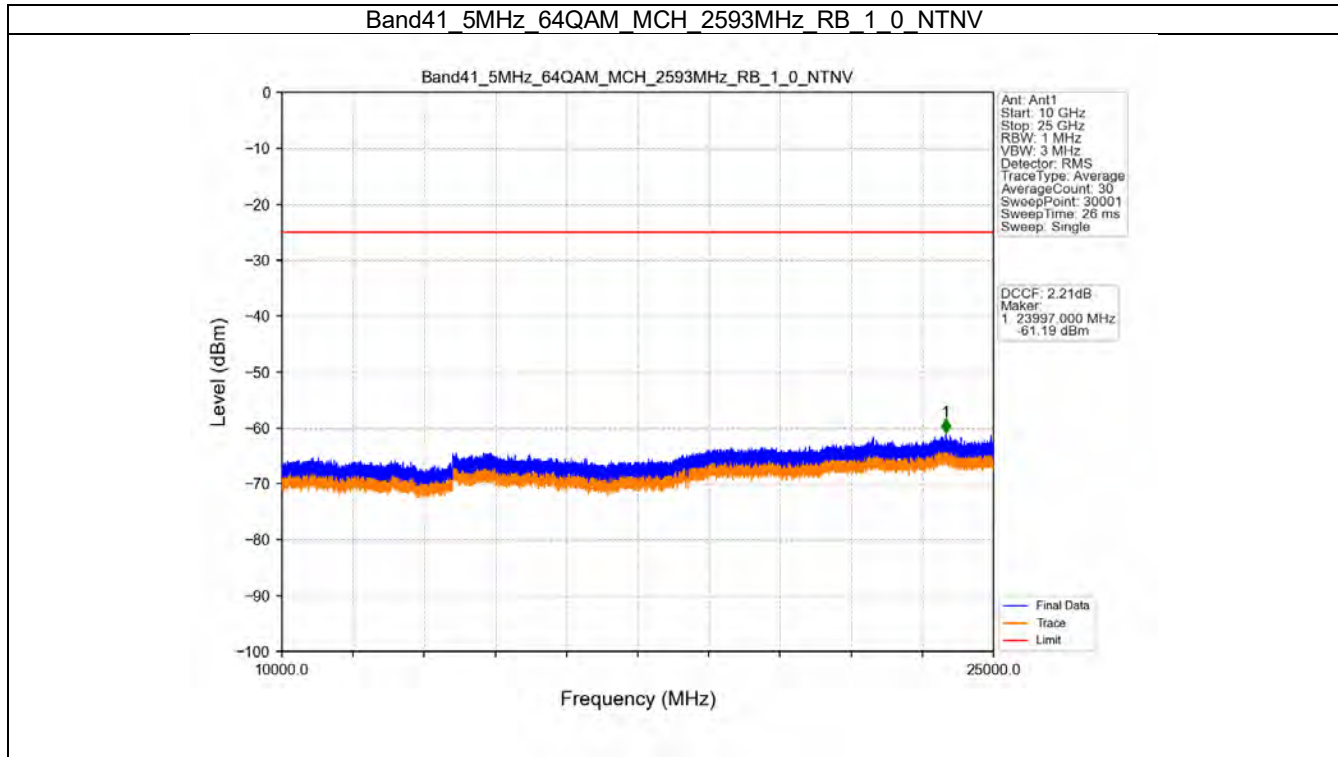


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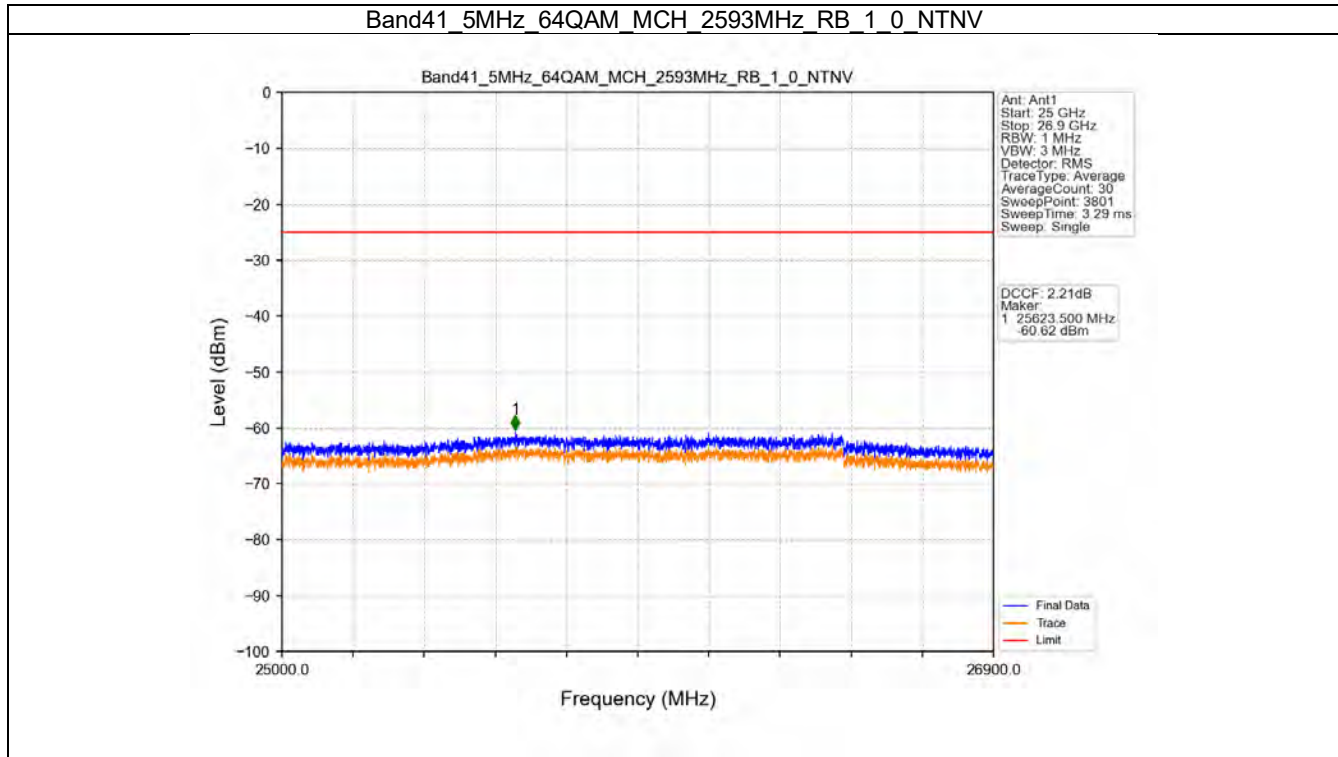


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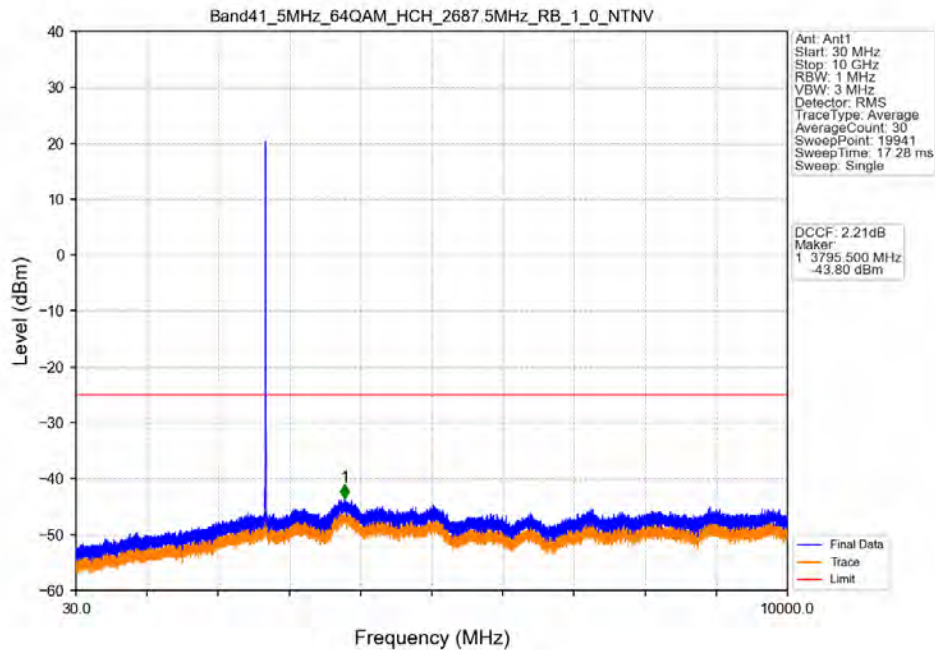
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Band41_5MHz_64QAM_HCH_2687.5MHz_RB_1_0_NTNV



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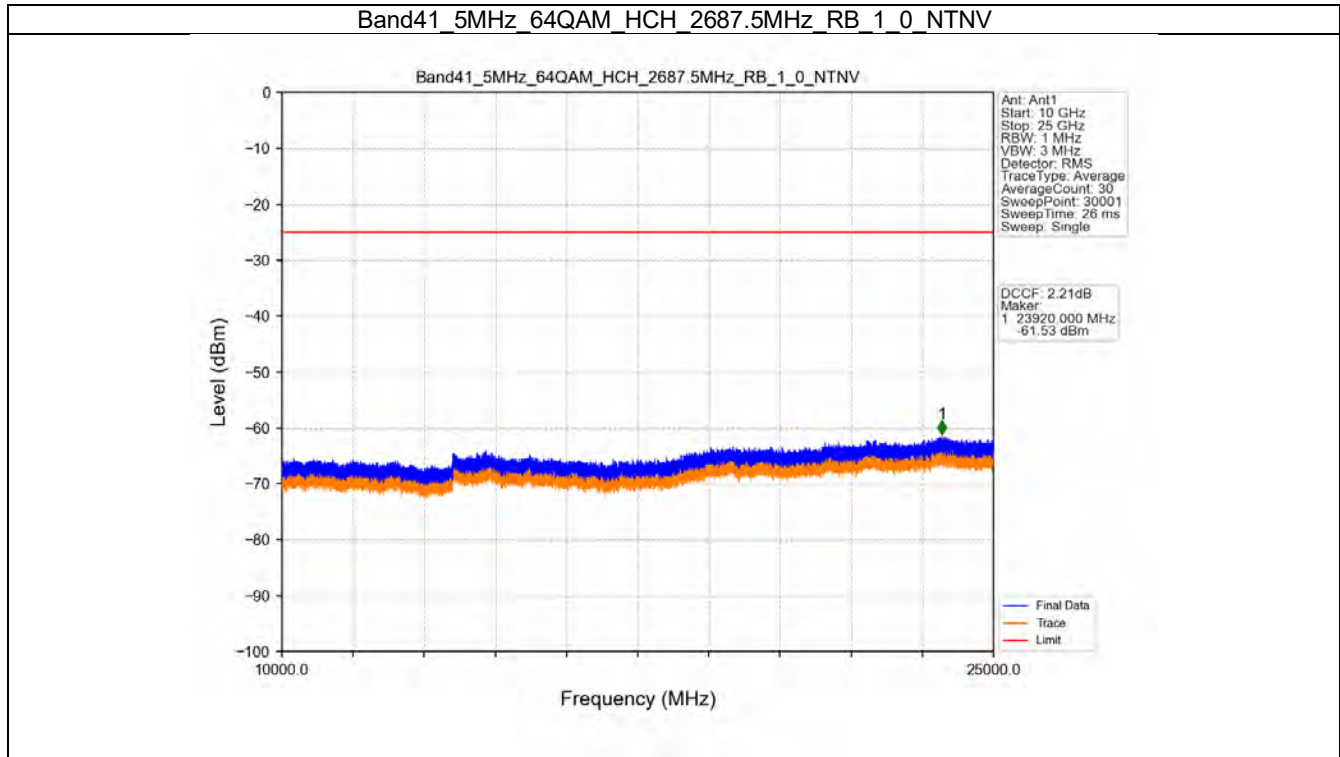


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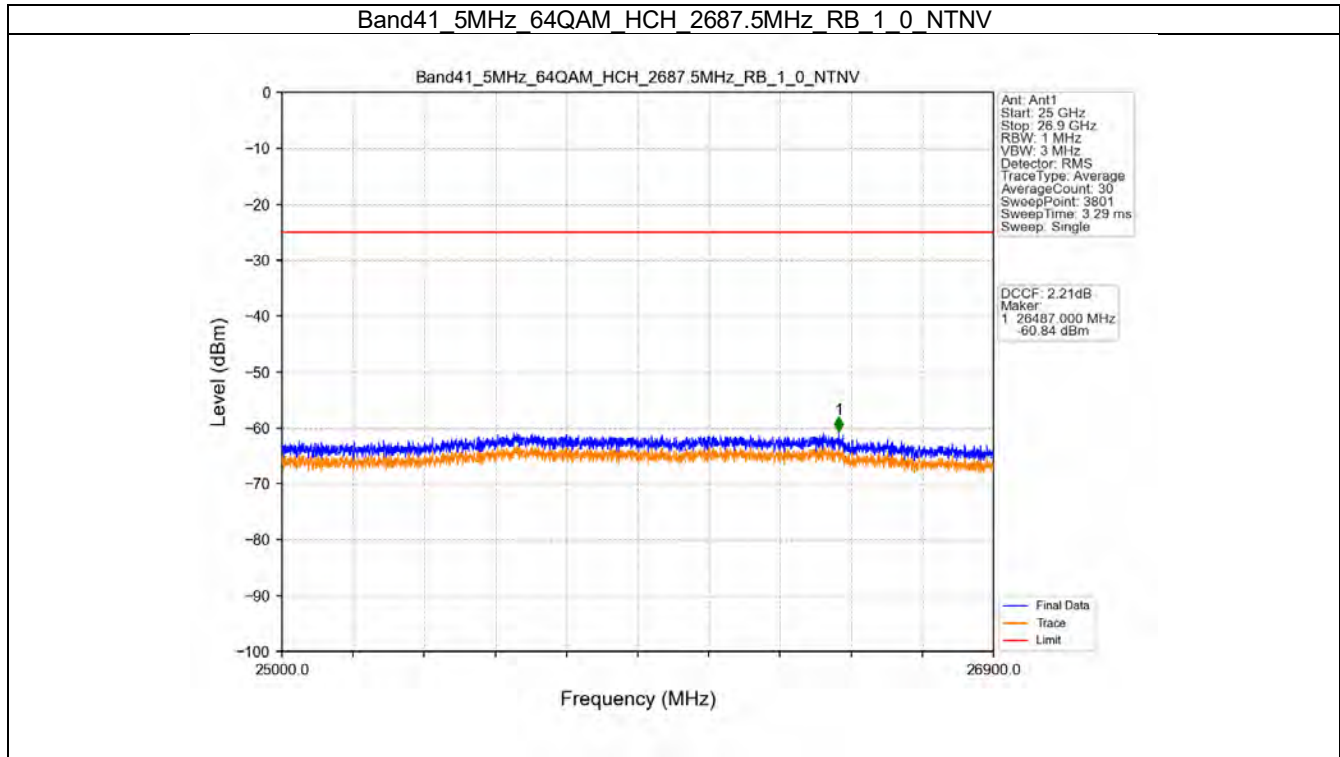


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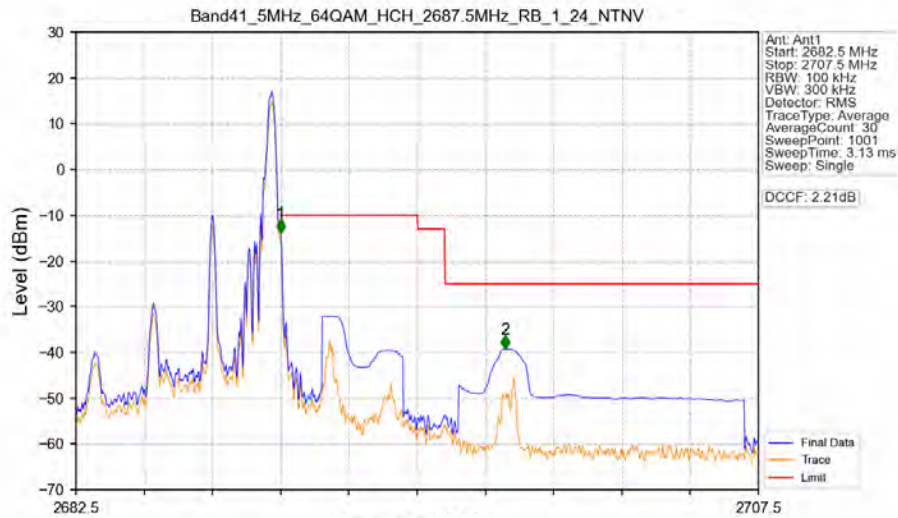
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Band41_5MHz_64QAM_HCH_2687.5MHz_RB_1_24_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	1	2690.000	-13.91	-10	Pass
2691	2707.5	1	CHP	2	2698.225	-39.38	-25	Pass



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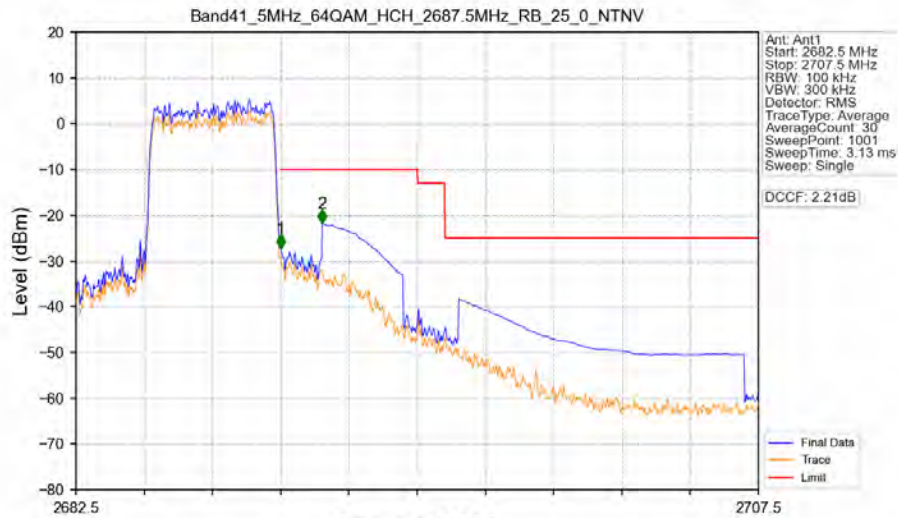
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Band41_5MHz_64QAM_HCH_2687.5MHz_RB_25_0_NTNV



Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2682.5	2690	0.1	/	1	2690.000	-27.33	-10	Pass
2690	2691	0.1	/	2	2691.525	-21.76	-10	Pass
2691	2707.5	1	CHP					



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5.2 B41_10MHz

5.2.1 Test Result

Band: 41 / Bandwidth: 10MHz / NTN					
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission	
		Size	Offset	Result	Limit
QPSK	2501	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	2685	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
16QAM	2501	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	2685	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
64QAM	2501	1	0	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass
	2593	1	0	Refer To Test Graph	Pass
		1	0	Refer To Test Graph	Pass
	2685	1	49	Refer To Test Graph	Pass
		50	0	Refer To Test Graph	Pass



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