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Appendix B.15

LTE Band 42(3450-3550)



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1. Effective (Isotropic) Radiated Power Output Data

1.1 B42a_5MHz_EIRP

1.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	3452.5	1	0	23.88	-1.5	22.38	<=30	Pass		
			13	24.12	-1.5	22.62	<=30	Pass		
			24	23.98	-1.5	22.48	<=30	Pass		
		12	0	23.02	-1.5	21.52	<=30	Pass		
			6	23.16	-1.5	21.66	<=30	Pass		
			13	23.01	-1.5	21.51	<=30	Pass		
		25	0	23.12	-1.5	21.62	<=30	Pass		
		3500	1	0	23.76	-1.5	22.26	<=30	Pass	
				13	24.05	-1.5	22.55	<=30	Pass	
	24			24.07	-1.5	22.57	<=30	Pass		
	12		0	22.90	-1.5	21.4	<=30	Pass		
			6	22.96	-1.5	21.46	<=30	Pass		
			13	23.06	-1.5	21.56	<=30	Pass		
	25		0	22.94	-1.5	21.44	<=30	Pass		
	3547.5		1	0	23.81	-1.5	22.31	<=30	Pass	
				13	24.11	-1.5	22.61	<=30	Pass	
		24		24.16	-1.5	22.66	<=30	Pass		
		12	0	23.02	-1.5	21.52	<=30	Pass		
			6	23.10	-1.5	21.6	<=30	Pass		
			13	22.96	-1.5	21.46	<=30	Pass		
		25	0	23.00	-1.5	21.5	<=30	Pass		
		16QAM	3452.5	1	0	23.13	-1.5	21.63	<=30	Pass
					13	23.22	-1.5	21.72	<=30	Pass
	24				23.09	-1.5	21.59	<=30	Pass	
12	0			21.98	-1.5	20.48	<=30	Pass		
	6			22.12	-1.5	20.62	<=30	Pass		
	13			22.06	-1.5	20.56	<=30	Pass		
25	0			22.07	-1.5	20.57	<=30	Pass		
3500	1			0	22.80	-1.5	21.3	<=30	Pass	
				13	22.85	-1.5	21.35	<=30	Pass	
			24	23.02	-1.5	21.52	<=30	Pass		
	12		0	21.87	-1.5	20.37	<=30	Pass		
			6	21.96	-1.5	20.46	<=30	Pass		
			13	21.92	-1.5	20.42	<=30	Pass		
	25		0	21.76	-1.5	20.26	<=30	Pass		
	3547.5		1	0	22.94	-1.5	21.44	<=30	Pass	
				13	23.01	-1.5	21.51	<=30	Pass	
24				23.01	-1.5	21.51	<=30	Pass		



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64QAM	3452.5	12	24	23.02	-1.5	21.52	<=30	Pass
			0	22.02	-1.5	20.52	<=30	Pass
			6	21.92	-1.5	20.42	<=30	Pass
		25	13	21.98	-1.5	20.48	<=30	Pass
			0	21.91	-1.5	20.41	<=30	Pass
			1	22.18	-1.5	20.68	<=30	Pass
	3500	12	13	21.66	-1.5	20.16	<=30	Pass
			24	22.17	-1.5	20.67	<=30	Pass
			0	21.00	-1.5	19.5	<=30	Pass
		25	6	21.18	-1.5	19.68	<=30	Pass
			13	21.00	-1.5	19.5	<=30	Pass
			0	20.95	-1.5	19.45	<=30	Pass
3547.5	1	0	22.25	-1.5	20.75	<=30	Pass	
		13	21.96	-1.5	20.46	<=30	Pass	
		24	22.27	-1.5	20.77	<=30	Pass	
	12	0	20.89	-1.5	19.39	<=30	Pass	
		6	20.95	-1.5	19.45	<=30	Pass	
		13	20.90	-1.5	19.4	<=30	Pass	
25	0	20.88	-1.5	19.38	<=30	Pass		
	1	21.61	-1.5	20.11	<=30	Pass		
	13	22.14	-1.5	20.64	<=30	Pass		
	24	21.66	-1.5	20.16	<=30	Pass		
	0	21.05	-1.5	19.55	<=30	Pass		
	6	21.11	-1.5	19.61	<=30	Pass		
256QAM	3452.5	1	13	21.01	-1.5	19.43	<=30	Pass
			0	19.01	-1.5	17.51	<=30	Pass
			13	19.32	-1.5	17.82	<=30	Pass
		12	24	19.30	-1.5	17.8	<=30	Pass
			0	19.17	-1.5	17.67	<=30	Pass
			6	19.16	-1.5	17.66	<=30	Pass
	3500	25	13	18.97	-1.5	17.47	<=30	Pass
			0	19.04	-1.5	17.54	<=30	Pass
			0	18.97	-1.5	17.47	<=30	Pass
		1	13	19.04	-1.5	17.54	<=30	Pass
			24	19.01	-1.5	17.51	<=30	Pass
			0	18.88	-1.5	17.38	<=30	Pass
3547.5	12	6	18.98	-1.5	17.48	<=30	Pass	
		13	18.91	-1.5	17.41	<=30	Pass	
		0	18.93	-1.5	17.43	<=30	Pass	
	25	0	18.89	-1.5	17.39	<=30	Pass	
		13	18.79	-1.5	17.29	<=30	Pass	
		24	19.11	-1.5	17.61	<=30	Pass	
3574.5	1	0	18.94	-1.5	17.44	<=30	Pass	
		6	18.90	-1.5	17.4	<=30	Pass	
		13	19.03	-1.5	17.53	<=30	Pass	
	12	0	18.83	-1.5	17.33	<=30	Pass	
		13	18.83	-1.5	17.33	<=30	Pass	
		0	18.83	-1.5	17.33	<=30	Pass	

Note1: EIRP=Conducted Power+Antenna Gain



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 Shenzhen Branch, Wireless Laboratory

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1.2 B42a_10MHz_EIRP

1.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	3455	1	0	24.04	-1.5	22.54	<=30	Pass		
			25	23.98	-1.5	22.48	<=30	Pass		
			49	23.87	-1.5	22.37	<=30	Pass		
		25	0	22.97	-1.5	21.47	<=30	Pass		
			13	22.98	-1.5	21.48	<=30	Pass		
			25	23.04	-1.5	21.54	<=30	Pass		
		50	0	23.08	-1.5	21.58	<=30	Pass		
		3500	1	0	23.77	-1.5	22.27	<=30	Pass	
				25	23.87	-1.5	22.37	<=30	Pass	
	49			23.81	-1.5	22.31	<=30	Pass		
	25		0	22.82	-1.5	21.32	<=30	Pass		
			13	22.93	-1.5	21.43	<=30	Pass		
			25	22.99	-1.5	21.49	<=30	Pass		
	50		0	22.89	-1.5	21.39	<=30	Pass		
	3545		1	0	23.86	-1.5	22.36	<=30	Pass	
				25	23.92	-1.5	22.42	<=30	Pass	
		49		24.00	-1.5	22.5	<=30	Pass		
		25	0	22.84	-1.5	21.34	<=30	Pass		
			13	22.96	-1.5	21.46	<=30	Pass		
			25	23.04	-1.5	21.54	<=30	Pass		
		50	0	22.94	-1.5	21.44	<=30	Pass		
		16QAM	3455	1	0	22.98	-1.5	21.48	<=30	Pass
					25	22.75	-1.5	21.25	<=30	Pass
	49				22.97	-1.5	21.47	<=30	Pass	
25	0			22.02	-1.5	20.52	<=30	Pass		
	13			22.04	-1.5	20.54	<=30	Pass		
	25			22.03	-1.5	20.53	<=30	Pass		
50	0			22.02	-1.5	20.52	<=30	Pass		
3500	1			0	23.05	-1.5	21.55	<=30	Pass	
				25	22.97	-1.5	21.47	<=30	Pass	
			49	22.83	-1.5	21.33	<=30	Pass		
	25		0	21.86	-1.5	20.36	<=30	Pass		
			13	21.81	-1.5	20.31	<=30	Pass		
			25	21.84	-1.5	20.34	<=30	Pass		
	50		0	21.86	-1.5	20.36	<=30	Pass		
	3545		1	0	22.97	-1.5	21.47	<=30	Pass	
				25	22.62	-1.5	21.12	<=30	Pass	
49				22.98	-1.5	21.48	<=30	Pass		



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		25	0	21.93	-1.5	20.43	<=30	Pass	
			13	22.01	-1.5	20.51	<=30	Pass	
			25	22.01	-1.5	20.51	<=30	Pass	
		50	0	21.91	-1.5	20.41	<=30	Pass	
64QAM	3455	1	0	22.01	-1.5	20.51	<=30	Pass	
			25	22.05	-1.5	20.55	<=30	Pass	
			49	21.96	-1.5	20.46	<=30	Pass	
		25	0	20.87	-1.5	19.37	<=30	Pass	
			13	20.92	-1.5	19.42	<=30	Pass	
			25	20.90	-1.5	19.4	<=30	Pass	
	50	0	20.97	-1.5	19.47	<=30	Pass		
	3500	1	0	21.41	-1.5	19.91	<=30	Pass	
			25	21.97	-1.5	20.47	<=30	Pass	
			49	21.98	-1.5	20.48	<=30	Pass	
		25	0	20.92	-1.5	19.42	<=30	Pass	
			13	20.80	-1.5	19.3	<=30	Pass	
			25	20.92	-1.5	19.42	<=30	Pass	
	50	0	20.78	-1.5	19.28	<=30	Pass		
	3545	1	0	21.81	-1.5	20.31	<=30	Pass	
			25	21.63	-1.5	20.13	<=30	Pass	
			49	21.59	-1.5	20.09	<=30	Pass	
		25	0	20.96	-1.5	19.46	<=30	Pass	
			13	20.94	-1.5	19.44	<=30	Pass	
			25	20.96	-1.5	19.46	<=30	Pass	
	50	0	20.97	-1.5	19.47	<=30	Pass		
	256QAM	3455	1	0	18.67	-1.5	17.17	<=30	Pass
				25	19.24	-1.5	17.74	<=30	Pass
				49	18.66	-1.5	17.16	<=30	Pass
25			0	18.98	-1.5	17.48	<=30	Pass	
			13	19.00	-1.5	17.5	<=30	Pass	
			25	18.93	-1.5	17.43	<=30	Pass	
50		0	18.91	-1.5	17.41	<=30	Pass		
3500		1	0	18.54	-1.5	17.04	<=30	Pass	
			25	18.65	-1.5	17.15	<=30	Pass	
			49	18.49	-1.5	16.99	<=30	Pass	
		25	0	18.83	-1.5	17.33	<=30	Pass	
			13	18.75	-1.5	17.25	<=30	Pass	
			25	18.92	-1.5	17.42	<=30	Pass	
50		0	18.82	-1.5	17.32	<=30	Pass		
3545		1	0	18.93	-1.5	17.43	<=30	Pass	
			25	18.92	-1.5	17.42	<=30	Pass	
			49	18.93	-1.5	17.43	<=30	Pass	
		25	0	18.80	-1.5	17.3	<=30	Pass	
			13	18.83	-1.5	17.33	<=30	Pass	
			25	19.00	-1.5	17.5	<=30	Pass	
50		0	19.01	-1.5	17.51	<=30	Pass		

Note 1: EIRP=Conducted Power+Antenna Gain



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1.3 B42a_15MHz_EIRP

1.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNV										
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict		
		Size	Offset			Result	Limit			
QPSK	3457.5	1	0	23.73	-1.5	22.23	<=30	Pass		
			38	23.68	-1.5	22.18	<=30	Pass		
			74	23.79	-1.5	22.29	<=30	Pass		
		36	0	22.73	-1.5	21.23	<=30	Pass		
			18	22.77	-1.5	21.27	<=30	Pass		
			39	22.76	-1.5	21.26	<=30	Pass		
		75	0	22.77	-1.5	21.27	<=30	Pass		
		3500	1	0	23.83	-1.5	22.33	<=30	Pass	
				38	23.78	-1.5	22.28	<=30	Pass	
	74			23.67	-1.5	22.17	<=30	Pass		
	36		0	22.78	-1.5	21.28	<=30	Pass		
			18	22.61	-1.5	21.11	<=30	Pass		
			39	22.68	-1.5	21.18	<=30	Pass		
	75		0	22.71	-1.5	21.21	<=30	Pass		
	3542.5		1	0	23.79	-1.5	22.29	<=30	Pass	
				38	23.72	-1.5	22.22	<=30	Pass	
		74		23.80	-1.5	22.3	<=30	Pass		
		36	0	22.80	-1.5	21.3	<=30	Pass		
			18	22.79	-1.5	21.29	<=30	Pass		
			39	22.73	-1.5	21.23	<=30	Pass		
		75	0	22.66	-1.5	21.16	<=30	Pass		
		16QAM	3457.5	1	0	22.55	-1.5	21.05	<=30	Pass
					38	22.56	-1.5	21.06	<=30	Pass
	74				22.75	-1.5	21.25	<=30	Pass	
	36			0	21.72	-1.5	20.22	<=30	Pass	
				18	21.86	-1.5	20.36	<=30	Pass	
				39	21.76	-1.5	20.26	<=30	Pass	
75	0			21.85	-1.5	20.35	<=30	Pass		
3500	1			0	23.16	-1.5	21.66	<=30	Pass	
				38	23.07	-1.5	21.57	<=30	Pass	
			74	22.61	-1.5	21.11	<=30	Pass		
	36		0	21.67	-1.5	20.17	<=30	Pass		
			18	21.59	-1.5	20.09	<=30	Pass		
			39	21.70	-1.5	20.2	<=30	Pass		
	75		0	21.62	-1.5	20.12	<=30	Pass		
	3542.5		1	0	22.69	-1.5	21.19	<=30	Pass	
				38	22.79	-1.5	21.29	<=30	Pass	
74				22.82	-1.5	21.32	<=30	Pass		
36			0	21.83	-1.5	20.33	<=30	Pass		
			18	21.62	-1.5	20.12	<=30	Pass		



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			39	21.69	-1.5	20.19	<=30	Pass	
		75	0	21.67	-1.5	20.17	<=30	Pass	
64QAM	3457.5	1	0	21.63	-1.5	20.13	<=30	Pass	
			38	21.68	-1.5	20.18	<=30	Pass	
			74	21.46	-1.5	19.96	<=30	Pass	
			0	20.88	-1.5	19.38	<=30	Pass	
		36	18	20.95	-1.5	19.45	<=30	Pass	
			39	20.78	-1.5	19.28	<=30	Pass	
	75		0	20.78	-1.5	19.28	<=30	Pass	
	3500	1	0	21.76	-1.5	20.26	<=30	Pass	
			38	21.86	-1.5	20.36	<=30	Pass	
			74	21.91	-1.5	20.41	<=30	Pass	
		36	0	20.81	-1.5	19.31	<=30	Pass	
			18	20.70	-1.5	19.2	<=30	Pass	
			39	20.60	-1.5	19.1	<=30	Pass	
	75	0	20.56	-1.5	19.06	<=30	Pass		
	3542.5	1	0	21.72	-1.5	20.22	<=30	Pass	
			38	21.45	-1.5	19.95	<=30	Pass	
			74	21.70	-1.5	20.2	<=30	Pass	
		36	0	20.83	-1.5	19.33	<=30	Pass	
			18	20.69	-1.5	19.19	<=30	Pass	
			39	20.87	-1.5	19.37	<=30	Pass	
	75	0	20.79	-1.5	19.29	<=30	Pass		
	256QAM	3457.5	1	0	19.02	-1.5	17.52	<=30	Pass
				38	18.95	-1.5	17.45	<=30	Pass
				74	18.50	-1.5	17	<=30	Pass
36			0	18.88	-1.5	17.38	<=30	Pass	
			18	18.82	-1.5	17.32	<=30	Pass	
			39	18.81	-1.5	17.31	<=30	Pass	
75		0	18.80	-1.5	17.3	<=30	Pass		
3500		1	0	18.46	-1.5	16.96	<=30	Pass	
			38	18.47	-1.5	16.97	<=30	Pass	
			74	18.79	-1.5	17.29	<=30	Pass	
		36	0	18.74	-1.5	17.24	<=30	Pass	
			18	18.57	-1.5	17.07	<=30	Pass	
			39	18.56	-1.5	17.06	<=30	Pass	
75		0	18.56	-1.5	17.06	<=30	Pass		
3542.5		1	0	18.91	-1.5	17.41	<=30	Pass	
			38	18.47	-1.5	16.97	<=30	Pass	
			74	18.53	-1.5	17.03	<=30	Pass	
		36	0	18.80	-1.5	17.3	<=30	Pass	
			18	18.65	-1.5	17.15	<=30	Pass	
			39	18.72	-1.5	17.22	<=30	Pass	
75		0	18.69	-1.5	17.19	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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1.4 B42a_20MHz_EIRP

1.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNV									
Modulation	Frequency (MHz)	RB Allocation		Conducted Power (dBm)	Gain (dBi)	EIRP (dBm)		Verdict	
		Size	Offset			Result	Limit		
QPSK	3460	1	0	23.82	-1.5	22.32	<=30	Pass	
			50	23.61	-1.5	22.11	<=30	Pass	
			99	23.72	-1.5	22.22	<=30	Pass	
		50	0	22.82	-1.5	21.32	<=30	Pass	
			25	22.79	-1.5	21.29	<=30	Pass	
			50	22.89	-1.5	21.39	<=30	Pass	
	100	0	22.88	-1.5	21.38	<=30	Pass		
	3500	1	0	23.77	-1.5	22.27	<=30	Pass	
			50	23.66	-1.5	22.16	<=30	Pass	
			99	23.70	-1.5	22.2	<=30	Pass	
		50	0	22.79	-1.5	21.29	<=30	Pass	
			25	22.64	-1.5	21.14	<=30	Pass	
			50	22.66	-1.5	21.16	<=30	Pass	
	100	0	22.67	-1.5	21.17	<=30	Pass		
	3540	1	0	23.71	-1.5	22.21	<=30	Pass	
			50	23.68	-1.5	22.18	<=30	Pass	
			99	23.58	-1.5	22.08	<=30	Pass	
		50	0	22.79	-1.5	21.29	<=30	Pass	
			25	22.76	-1.5	21.26	<=30	Pass	
			50	22.71	-1.5	21.21	<=30	Pass	
	100	0	22.75	-1.5	21.25	<=30	Pass		
	16QAM	3460	1	0	22.42	-1.5	20.92	<=30	Pass
				50	22.49	-1.5	20.99	<=30	Pass
				99	22.52	-1.5	21.02	<=30	Pass
50			0	21.85	-1.5	20.35	<=30	Pass	
			25	21.75	-1.5	20.25	<=30	Pass	
			50	21.86	-1.5	20.36	<=30	Pass	
100		0	21.89	-1.5	20.39	<=30	Pass		
3500		1	0	23.03	-1.5	21.53	<=30	Pass	
			50	22.75	-1.5	21.25	<=30	Pass	
			99	22.71	-1.5	21.21	<=30	Pass	
		50	0	21.68	-1.5	20.18	<=30	Pass	
			25	21.66	-1.5	20.16	<=30	Pass	
			50	21.79	-1.5	20.29	<=30	Pass	
100		0	21.63	-1.5	20.13	<=30	Pass		
3540		1	0	22.50	-1.5	21	<=30	Pass	
			50	22.51	-1.5	21.01	<=30	Pass	
			99	22.51	-1.5	21.01	<=30	Pass	
		50	0	21.72	-1.5	20.22	<=30	Pass	
			25	21.81	-1.5	20.31	<=30	Pass	
			50	21.81	-1.5	20.31	<=30	Pass	



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			50	21.75	-1.5	20.25	<=30	Pass
		100	0	21.82	-1.5	20.32	<=30	Pass
64QAM	3460	1	0	21.57	-1.5	20.07	<=30	Pass
			50	21.66	-1.5	20.16	<=30	Pass
			99	22.01	-1.5	20.51	<=30	Pass
			0	20.87	-1.5	19.37	<=30	Pass
		50	25	20.76	-1.5	19.26	<=30	Pass
			50	20.86	-1.5	19.36	<=30	Pass
	100	0	20.79	-1.5	19.29	<=30	Pass	
	3500	1	0	21.72	-1.5	20.22	<=30	Pass
			50	21.75	-1.5	20.25	<=30	Pass
			99	21.79	-1.5	20.29	<=30	Pass
		50	0	20.89	-1.5	19.39	<=30	Pass
			25	20.69	-1.5	19.19	<=30	Pass
			50	20.85	-1.5	19.35	<=30	Pass
	100	0	20.63	-1.5	19.13	<=30	Pass	
	3540	1	0	21.72	-1.5	20.22	<=30	Pass
			50	21.65	-1.5	20.15	<=30	Pass
			99	22.05	-1.5	20.55	<=30	Pass
		50	0	20.75	-1.5	19.25	<=30	Pass
25			20.83	-1.5	19.33	<=30	Pass	
50			20.69	-1.5	19.19	<=30	Pass	
100	0	20.87	-1.5	19.37	<=30	Pass		
256QAM	3460	1	0	18.83	-1.5	17.33	<=30	Pass
			50	18.75	-1.5	17.25	<=30	Pass
			99	18.69	-1.5	17.19	<=30	Pass
		50	0	18.88	-1.5	17.38	<=30	Pass
			25	18.88	-1.5	17.38	<=30	Pass
			50	18.83	-1.5	17.33	<=30	Pass
	100	0	18.85	-1.5	17.35	<=30	Pass	
	3500	1	0	18.71	-1.5	17.21	<=30	Pass
			50	19.02	-1.5	17.52	<=30	Pass
			99	18.67	-1.5	17.17	<=30	Pass
		50	0	18.67	-1.5	17.17	<=30	Pass
			25	18.75	-1.5	17.25	<=30	Pass
			50	18.64	-1.5	17.14	<=30	Pass
	100	0	18.72	-1.5	17.22	<=30	Pass	
	3540	1	0	18.52	-1.5	17.02	<=30	Pass
			50	19.10	-1.5	17.6	<=30	Pass
			99	18.54	-1.5	17.04	<=30	Pass
		50	0	18.66	-1.5	17.16	<=30	Pass
25			18.79	-1.5	17.29	<=30	Pass	
50			18.72	-1.5	17.22	<=30	Pass	
100	0	18.68	-1.5	17.18	<=30	Pass		

Note1: EIRP=Conducted Power+Antenna Gain



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2. Frequency Stability

2.1 B42a_5MHz

2.1.1 Test Result

Band: 42a / Bandwidth: 5MHz									
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict
		Size	Offset				Result	Limit	
QPSK	3452.5	25	0	20	3.55	4.420	0.0013	/	Pass
					4.0	6.738	0.0020	/	Pass
					4.4	4.478	0.0013	/	Pass
				-30	4.0	4.463	0.0013	/	Pass
				-20	4.0	2.446	0.0007	/	Pass
				-10	4.0	2.017	0.0006	/	Pass
				0	4.0	3.548	0.0010	/	Pass
				10	4.0	4.306	0.0012	/	Pass
				30	4.0	2.632	0.0008	/	Pass
				40	4.0	5.336	0.0015	/	Pass
	50	4.0	4.406	0.0013	/	Pass			
	3500	25	0	20	3.55	4.849	0.0014	/	Pass
					4.0	7.339	0.0021	/	Pass
					4.4	6.580	0.0019	/	Pass
				-30	4.0	6.351	0.0018	/	Pass
				-20	4.0	5.336	0.0015	/	Pass
				-10	4.0	4.191	0.0012	/	Pass
				0	4.0	6.495	0.0019	/	Pass
				10	4.0	5.093	0.0015	/	Pass
				30	4.0	6.580	0.0019	/	Pass
				40	4.0	4.492	0.0013	/	Pass
	50	4.0	8.340	0.0024	/	Pass			
	3547.5	25	0	20	3.55	10.815	0.0030	/	Pass
					4.0	9.799	0.0028	/	Pass
					4.4	11.516	0.0032	/	Pass
				-30	4.0	11.773	0.0033	/	Pass
				-20	4.0	10.457	0.0029	/	Pass
				-10	4.0	10.214	0.0029	/	Pass
				0	4.0	10.328	0.0029	/	Pass
				10	4.0	9.742	0.0027	/	Pass
30				4.0	7.825	0.0022	/	Pass	
40				4.0	12.174	0.0034	/	Pass	
50	4.0	11.387	0.0032	/	Pass				
16QAM	3452.5	25	0	20	3.55	7.210	0.0021	/	Pass
					4.0	5.937	0.0017	/	Pass
					4.4	4.549	0.0013	/	Pass
				-30	4.0	5.765	0.0017	/	Pass



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64QAM	3500	25	0	-20	4.0	6.881	0.0020	/	Pass
				-10	4.0	2.146	0.0006	/	Pass
				0	4.0	2.832	0.0008	/	Pass
				10	4.0	2.646	0.0008	/	Pass
				30	4.0	4.220	0.0012	/	Pass
				40	4.0	6.938	0.0020	/	Pass
				50	4.0	2.732	0.0008	/	Pass
	3547.5	25	0	20	3.55	3.762	0.0011	/	Pass
					4.0	5.035	0.0014	/	Pass
					4.4	5.593	0.0016	/	Pass
				-30	4.0	4.807	0.0014	/	Pass
				-20	4.0	3.905	0.0011	/	Pass
				-10	4.0	5.050	0.0014	/	Pass
				0	4.0	3.591	0.0010	/	Pass
				10	4.0	3.061	0.0009	/	Pass
				30	4.0	5.379	0.0015	/	Pass
				40	4.0	5.908	0.0017	/	Pass
				50	4.0	6.809	0.0019	/	Pass
	3452.5	25	0	20	3.55	10.114	0.0029	/	Pass
					4.0	9.685	0.0027	/	Pass
					4.4	6.523	0.0018	/	Pass
				-30	4.0	11.415	0.0032	/	Pass
				-20	4.0	6.723	0.0019	/	Pass
				-10	4.0	10.328	0.0029	/	Pass
				0	4.0	12.288	0.0035	/	Pass
				10	4.0	11.187	0.0032	/	Pass
				30	4.0	8.669	0.0024	/	Pass
				40	4.0	10.214	0.0029	/	Pass
3500	25	0	20	3.55	2.475	0.0007	/	Pass	
				4.0	1.502	0.0004	/	Pass	
				4.4	2.818	0.0008	/	Pass	
			-30	4.0	2.689	0.0008	/	Pass	
			-20	4.0	3.948	0.0011	/	Pass	
			-10	4.0	3.662	0.0011	/	Pass	
			0	4.0	5.136	0.0015	/	Pass	
			10	4.0	4.749	0.0014	/	Pass	
			30	4.0	6.824	0.0020	/	Pass	
			40	4.0	4.935	0.0014	/	Pass	
			50	4.0	3.033	0.0009	/	Pass	
3500	25	0	20	3.55	2.260	0.0006	/	Pass	
				4.0	2.317	0.0007	/	Pass	
				4.4	4.492	0.0013	/	Pass	
			-30	4.0	2.804	0.0008	/	Pass	
			-20	4.0	3.347	0.0010	/	Pass	
			-10	4.0	5.908	0.0017	/	Pass	
			0	4.0	4.735	0.0014	/	Pass	
10	4.0	3.691	0.0011	/	Pass				



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				30	4.0	3.662	0.0010	/	Pass
				40	4.0	3.891	0.0011	/	Pass
				50	4.0	1.545	0.0004	/	Pass
				20	3.55	5.765	0.0016	/	Pass
					4.0	8.454	0.0024	/	Pass
					4.4	11.973	0.0034	/	Pass
				-30	4.0	9.770	0.0028	/	Pass
				-20	4.0	9.742	0.0027	/	Pass
				-10	4.0	8.197	0.0023	/	Pass
				0	4.0	10.629	0.0030	/	Pass
				10	4.0	11.659	0.0033	/	Pass
				30	4.0	7.911	0.0022	/	Pass
40	4.0	6.394	0.0018	/	Pass				
50	4.0	8.826	0.0025	/	Pass				
				20	3.55	5.836	0.0017	/	Pass
					4.0	3.762	0.0011	/	Pass
					4.4	3.691	0.0011	/	Pass
				-30	4.0	7.310	0.0021	/	Pass
				-20	4.0	6.967	0.0020	/	Pass
				-10	4.0	5.450	0.0016	/	Pass
				0	4.0	5.035	0.0015	/	Pass
				10	4.0	6.709	0.0019	/	Pass
				30	4.0	6.795	0.0020	/	Pass
				40	4.0	7.153	0.0021	/	Pass
				50	4.0	5.064	0.0015	/	Pass
								20	3.55
4.0	6.609	0.0019	/						Pass
4.4	5.965	0.0017	/						Pass
-30	4.0	3.262	0.0009					/	Pass
-20	4.0	2.832	0.0008					/	Pass
-10	4.0	6.437	0.0018					/	Pass
0	4.0	5.593	0.0016					/	Pass
10	4.0	6.509	0.0019					/	Pass
30	4.0	4.306	0.0012					/	Pass
40	4.0	7.753	0.0022					/	Pass
50	4.0	3.362	0.0010					/	Pass
								20	3.55
				4.0	4.792	0.0014	/		Pass
				4.4	7.682	0.0022	/		Pass
				-30	4.0	6.480	0.0018	/	Pass
				-20	4.0	5.565	0.0016	/	Pass
				-10	4.0	9.456	0.0027	/	Pass
				0	4.0	4.277	0.0012	/	Pass
				10	4.0	9.198	0.0026	/	Pass
				30	4.0	7.381	0.0021	/	Pass
				40	4.0	7.868	0.0022	/	Pass
				50	4.0	4.778	0.0013	/	Pass



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2.2 B42a_10MHz

2.2.1 Test Result

Band: 42a / Bandwidth: 10MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	3455	50	0	20	3.55	4.177	0.0012	/	Pass	
					4.0	4.177	0.0012	/	Pass	
					4.4	2.718	0.0008	/	Pass	
				-30	4.0	4.377	0.0013	/	Pass	
					4.0	3.862	0.0011	/	Pass	
					4.0	4.749	0.0014	/	Pass	
				-10	4.0	3.204	0.0009	/	Pass	
					10	5.779	0.0017	/	Pass	
					30	2.732	0.0008	/	Pass	
				3500	50	0	20	3.55	6.909	0.0020
	4.0	4.063	0.0012					/	Pass	
	4.4	3.576	0.0010					/	Pass	
	-30	4.0	4.148				0.0012	/	Pass	
		4.0	4.835				0.0014	/	Pass	
		4.0	1.960				0.0006	/	Pass	
	-10	4.0	1.502				0.0004	/	Pass	
		10	1.760				0.0005	/	Pass	
		30	4.792				0.0014	/	Pass	
	3545	50	0				20	3.55	3.247	0.0009
				4.0	3.033	0.0009		/	Pass	
				4.4	1.159	0.0003		/	Pass	
				-30	4.0	3.119	0.0009	/	Pass	
					4.0	1.273	0.0004	/	Pass	
					4.0	1.788	0.0005	/	Pass	
				-10	4.0	3.161	0.0009	/	Pass	
					10	1.287	0.0004	/	Pass	
					30	4.449	0.0013	/	Pass	
				16QAM	3455	50	0	20	3.55	4.420
	4.0	2.904	0.0008						/	Pass
	4.4	3.719	0.0011						/	Pass
-30	4.0	4.220	0.0012					/	Pass	
	4.0	3.104	0.0009					/	Pass	
	4.0	3.433	0.0010					/	Pass	
-10	4.0	5.207	0.0015					/	Pass	



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64QAM	3500	50	0	10	4.0	3.204	0.0009	/	Pass
				30	4.0	3.977	0.0012	/	Pass
				40	4.0	2.203	0.0006	/	Pass
				50	4.0	3.219	0.0009	/	Pass
				20	3.55	1.616	0.0005	/	Pass
					4.0	2.475	0.0007	/	Pass
					4.4	2.003	0.0006	/	Pass
				-30	4.0	1.931	0.0006	/	Pass
				-20	4.0	3.262	0.0009	/	Pass
				-10	4.0	4.535	0.0013	/	Pass
	0	4.0	4.592	0.0013	/	Pass			
	3545	50	0	20	3.55	1.001	0.0003	/	Pass
					4.0	3.762	0.0011	/	Pass
					4.4	0.715	0.0002	/	Pass
				-30	4.0	-0.286	-0.0001	/	Pass
				-20	4.0	4.935	0.0014	/	Pass
				-10	4.0	0.229	0.0001	/	Pass
				0	4.0	1.888	0.0005	/	Pass
				10	4.0	3.777	0.0011	/	Pass
				30	4.0	2.089	0.0006	/	Pass
40				4.0	2.203	0.0006	/	Pass	
3455	50	0	20	3.55	3.476	0.0010	/	Pass	
				4.0	5.250	0.0015	/	Pass	
				4.4	1.516	0.0004	/	Pass	
			-30	4.0	3.333	0.0010	/	Pass	
			-20	4.0	2.275	0.0007	/	Pass	
			-10	4.0	1.159	0.0003	/	Pass	
			0	4.0	4.106	0.0012	/	Pass	
			10	4.0	1.760	0.0005	/	Pass	
			30	4.0	2.275	0.0007	/	Pass	
			40	4.0	3.948	0.0011	/	Pass	
3500	50	0	20	3.55	3.533	0.0010	/	Pass	
				4.0	2.975	0.0009	/	Pass	
				4.4	4.678	0.0013	/	Pass	
			-30	4.0	4.392	0.0013	/	Pass	
			-20	4.0	0.615	0.0002	/	Pass	
			-10	4.0	5.193	0.0015	/	Pass	
			0	4.0	6.022	0.0017	/	Pass	
			10	4.0	2.031	0.0006	/	Pass	
			30	4.0	3.676	0.0011	/	Pass	
			40	4.0	1.702	0.0005	/	Pass	
50	4.0	4.206	0.0012	/	Pass				



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3545	50	0	20	3.55	5.693	0.0016	/	Pass	
				4.0	0.215	0.0001	/	Pass	
				4.4	2.689	0.0008	/	Pass	
			-30	4.0	3.877	0.0011	/	Pass	
				-20	4.0	2.375	0.0007	/	Pass
			-10	4.0	2.761	0.0008	/	Pass	
			0	4.0	1.888	0.0005	/	Pass	
			10	4.0	0.801	0.0002	/	Pass	
			30	4.0	2.589	0.0007	/	Pass	
			40	4.0	0.515	0.0001	/	Pass	
50	4.0	-0.229	-0.0001	/	Pass				
3455	50	0	20	3.55	5.078	0.0015	/	Pass	
				4.0	3.204	0.0009	/	Pass	
				4.4	0.572	0.0002	/	Pass	
			-30	4.0	4.692	0.0014	/	Pass	
				-20	4.0	1.502	0.0004	/	Pass
			-10	4.0	3.991	0.0012	/	Pass	
			0	4.0	2.518	0.0007	/	Pass	
			10	4.0	3.519	0.0010	/	Pass	
			30	4.0	2.832	0.0008	/	Pass	
			40	4.0	4.091	0.0012	/	Pass	
50	4.0	2.604	0.0008	/	Pass				
256QAM	3500	50	0	20	3.55	6.294	0.0018	/	Pass
					4.0	4.621	0.0013	/	Pass
					4.4	3.548	0.0010	/	Pass
				-30	4.0	2.031	0.0006	/	Pass
					-20	4.0	5.636	0.0016	/
				-10	4.0	4.821	0.0014	/	Pass
				0	4.0	6.380	0.0018	/	Pass
				10	4.0	5.436	0.0016	/	Pass
				30	4.0	4.749	0.0014	/	Pass
				40	4.0	4.091	0.0012	/	Pass
50	4.0	6.080	0.0017	/	Pass				
3545	50	0	20	3.55	2.546	0.0007	/	Pass	
				4.0	1.087	0.0003	/	Pass	
				4.4	2.847	0.0008	/	Pass	
			-30	4.0	2.160	0.0006	/	Pass	
				-20	4.0	2.189	0.0006	/	Pass
			-10	4.0	3.247	0.0009	/	Pass	
			0	4.0	4.249	0.0012	/	Pass	
			10	4.0	1.745	0.0005	/	Pass	
			30	4.0	2.818	0.0008	/	Pass	
			40	4.0	0.272	0.0001	/	Pass	
50	4.0	2.317	0.0007	/	Pass				

2.3 B42a_15MHz



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2.3.1 Test Result

Band: 42a / Bandwidth: 15MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	3457.5	75	0	20	3.55	2.904	0.0008	/	Pass	
					4.0	6.223	0.0018	/	Pass	
					4.4	5.250	0.0015	/	Pass	
				-30	4.0	6.380	0.0018	/	Pass	
					-20	4.0	4.349	0.0013	/	Pass
						-10	4.0	4.649	0.0013	/
				0	4.0	5.407	0.0016	/	Pass	
					10	4.0	2.933	0.0008	/	Pass
					30	4.0	4.220	0.0012	/	Pass
					40	4.0	4.721	0.0014	/	Pass
	50	4.0	3.719		0.0011	/	Pass			
	3500	75	0		20	3.55	4.048	0.0012	/	Pass
						4.0	5.021	0.0014	/	Pass
				4.4		4.849	0.0014	/	Pass	
				-30	4.0	2.503	0.0007	/	Pass	
					-20	4.0	5.107	0.0015	/	Pass
						-10	4.0	6.266	0.0018	/
				0	4.0	4.106	0.0012	/	Pass	
					10	4.0	2.632	0.0008	/	Pass
					30	4.0	5.150	0.0015	/	Pass
					40	4.0	4.921	0.0014	/	Pass
	50	4.0	1.788		0.0005	/	Pass			
	3542.5	75	0		20	3.55	2.789	0.0008	/	Pass
						4.0	5.865	0.0017	/	Pass
				4.4		5.693	0.0016	/	Pass	
				-30	4.0	4.020	0.0011	/	Pass	
					-20	4.0	3.190	0.0009	/	Pass
						-10	4.0	6.223	0.0018	/
				0	4.0	4.492	0.0013	/	Pass	
					10	4.0	5.865	0.0017	/	Pass
30					4.0	3.734	0.0011	/	Pass	
40					4.0	3.805	0.0011	/	Pass	
50	4.0	3.562	0.0010		/	Pass				
16QAM	3457.5	75	0		20	3.55	3.963	0.0011	/	Pass
						4.0	6.967	0.0020	/	Pass
				4.4		3.119	0.0009	/	Pass	
				-30	4.0	3.476	0.0010	/	Pass	
					-20	4.0	5.679	0.0016	/	Pass
						-10	4.0	5.364	0.0016	/
				0	4.0	4.907	0.0014	/	Pass	
					10	4.0	3.576	0.0010	/	Pass
					30	4.0	4.048	0.0012	/	Pass
					40	4.0	6.695	0.0019	/	Pass



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	3500	75	0	50	4.0	6.266	0.0018	/	Pass
				20	3.55	6.180	0.0018	/	Pass
					4.0	5.550	0.0016	/	Pass
					4.4	5.407	0.0015	/	Pass
				-30	4.0	1.717	0.0005	/	Pass
				-20	4.0	3.619	0.0010	/	Pass
				-10	4.0	3.233	0.0009	/	Pass
				0	4.0	2.589	0.0007	/	Pass
				10	4.0	4.449	0.0013	/	Pass
				30	4.0	4.406	0.0013	/	Pass
	40	4.0	4.992	0.0014	/	Pass			
	50	4.0	0.815	0.0002	/	Pass			
	3542.5	75	0	20	3.55	3.662	0.0010	/	Pass
					4.0	4.292	0.0012	/	Pass
					4.4	5.107	0.0014	/	Pass
				-30	4.0	6.309	0.0018	/	Pass
				-20	4.0	4.835	0.0014	/	Pass
				-10	4.0	1.760	0.0005	/	Pass
				0	4.0	2.804	0.0008	/	Pass
				10	4.0	2.604	0.0007	/	Pass
30				4.0	2.275	0.0006	/	Pass	
40				4.0	4.292	0.0012	/	Pass	
50	4.0	5.779	0.0016	/	Pass				
64QAM	3457.5	75	0	20	3.55	1.974	0.0006	/	Pass
					4.0	2.246	0.0006	/	Pass
					4.4	4.478	0.0013	/	Pass
				-30	4.0	3.591	0.0010	/	Pass
				-20	4.0	5.350	0.0015	/	Pass
				-10	4.0	4.034	0.0012	/	Pass
				0	4.0	3.076	0.0009	/	Pass
				10	4.0	4.549	0.0013	/	Pass
				30	4.0	4.878	0.0014	/	Pass
				40	4.0	3.448	0.0010	/	Pass
	50	4.0	2.732	0.0008	/	Pass			
	3500	75	0	20	3.55	1.101	0.0003	/	Pass
					4.0	7.882	0.0023	/	Pass
					4.4	2.403	0.0007	/	Pass
				-30	4.0	4.721	0.0013	/	Pass
				-20	4.0	3.777	0.0011	/	Pass
				-10	4.0	4.892	0.0014	/	Pass
				0	4.0	2.332	0.0007	/	Pass
				10	4.0	5.007	0.0014	/	Pass
				30	4.0	2.875	0.0008	/	Pass
40				4.0	7.424	0.0021	/	Pass	
50	4.0	3.734	0.0011	/	Pass				
3542.5	75	0	20	3.55	3.777	0.0011	/	Pass	
				4.0	2.689	0.0008	/	Pass	
				4.4	4.277	0.0012	/	Pass	



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				-30	4.0	3.748	0.0011	/	Pass
				-20	4.0	2.732	0.0008	/	Pass
				-10	4.0	5.851	0.0017	/	Pass
				0	4.0	3.376	0.0010	/	Pass
				10	4.0	7.410	0.0021	/	Pass
				30	4.0	5.894	0.0017	/	Pass
				40	4.0	7.668	0.0022	/	Pass
				50	4.0	4.063	0.0011	/	Pass
256QAM	3457.5	75	0	20	3.55	3.204	0.0009	/	Pass
					4.0	4.678	0.0014	/	Pass
					4.4	4.377	0.0013	/	Pass
				-30	4.0	6.351	0.0018	/	Pass
				-20	4.0	3.920	0.0011	/	Pass
				-10	4.0	5.479	0.0016	/	Pass
				0	4.0	4.063	0.0012	/	Pass
				10	4.0	3.862	0.0011	/	Pass
				30	4.0	3.862	0.0011	/	Pass
				40	4.0	3.948	0.0011	/	Pass
	50	4.0	6.552	0.0019	/	Pass			
	3500	75	0	20	3.55	4.635	0.0013	/	Pass
					4.0	2.718	0.0008	/	Pass
					4.4	2.718	0.0008	/	Pass
				-30	4.0	4.921	0.0014	/	Pass
				-20	4.0	3.047	0.0009	/	Pass
				-10	4.0	4.063	0.0012	/	Pass
				0	4.0	5.751	0.0016	/	Pass
				10	4.0	4.406	0.0013	/	Pass
				30	4.0	2.246	0.0006	/	Pass
40				4.0	5.422	0.0015	/	Pass	
50	4.0	6.466	0.0018	/	Pass				
3542.5	75	0	20	3.55	1.187	0.0003	/	Pass	
				4.0	2.618	0.0007	/	Pass	
				4.4	5.364	0.0015	/	Pass	
			-30	4.0	3.934	0.0011	/	Pass	
			-20	4.0	3.390	0.0010	/	Pass	
			-10	4.0	3.462	0.0010	/	Pass	
			0	4.0	3.633	0.0010	/	Pass	
			10	4.0	3.576	0.0010	/	Pass	
			30	4.0	5.121	0.0014	/	Pass	
			40	4.0	2.704	0.0008	/	Pass	
50	4.0	1.931	0.0005	/	Pass				

2.4 B42a_20MHz

2.4.1 Test Result



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Band: 42a / Bandwidth: 20MHz										
Modulation	Frequency (MHz)	RB Allocation		Temp. (°C)	Voltage (VDC)	Freq. Error (Hz)	Freq. vs. Rated (ppm)		Verdict	
		Size	Offset				Result	Limit		
QPSK	3460	100	0	20	3.55	2.031	0.0006	/	Pass	
					4.0	5.150	0.0015	/	Pass	
					4.4	5.951	0.0017	/	Pass	
				-30	4.0	1.788	0.0005	/	Pass	
					-20	4.0	6.566	0.0019	/	Pass
						4.0	4.263	0.0012	/	Pass
				0	4.0	4.892	0.0014	/	Pass	
					10	4.0	6.666	0.0019	/	Pass
				30	4.0	2.460	0.0007	/	Pass	
				40	4.0	5.522	0.0016	/	Pass	
	50	4.0	4.692	0.0014	/	Pass				
	3500	100	0	20	3.55	6.266	0.0018	/	Pass	
					4.0	6.137	0.0018	/	Pass	
					4.4	1.802	0.0005	/	Pass	
				-30	4.0	2.546	0.0007	/	Pass	
					-20	4.0	6.452	0.0018	/	Pass
						4.0	1.988	0.0006	/	Pass
				0	4.0	4.363	0.0012	/	Pass	
					10	4.0	2.246	0.0006	/	Pass
				30	4.0	7.024	0.0020	/	Pass	
				40	4.0	3.891	0.0011	/	Pass	
	50	4.0	5.879	0.0017	/	Pass				
	3540	100	0	20	3.55	3.777	0.0011	/	Pass	
					4.0	6.380	0.0018	/	Pass	
					4.4	5.665	0.0016	/	Pass	
				-30	4.0	5.279	0.0015	/	Pass	
					-20	4.0	3.920	0.0011	/	Pass
						4.0	3.462	0.0010	/	Pass
				0	4.0	5.865	0.0017	/	Pass	
					10	4.0	5.651	0.0016	/	Pass
30				4.0	4.663	0.0013	/	Pass		
40				4.0	4.148	0.0012	/	Pass		
50	4.0	6.180	0.0017	/	Pass					
16QAM	3460	100	0	20	3.55	4.606	0.0013	/	Pass	
					4.0	5.093	0.0015	/	Pass	
					4.4	2.561	0.0007	/	Pass	
				-30	4.0	3.533	0.0010	/	Pass	
					-20	4.0	3.705	0.0011	/	Pass
						4.0	6.495	0.0019	/	Pass
				0	4.0	3.018	0.0009	/	Pass	
					10	4.0	3.905	0.0011	/	Pass
				30	4.0	5.021	0.0015	/	Pass	
				40	4.0	6.752	0.0020	/	Pass	
	50	4.0	4.492	0.0013	/	Pass				
	3500	100	0	20	3.55	4.406	0.0013	/	Pass	



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64QAM	3540	100	0		4.0	3.963	0.0011	/	Pass
					4.4	3.791	0.0011	/	Pass
				-30	4.0	5.836	0.0017	/	Pass
				-20	4.0	2.875	0.0008	/	Pass
				-10	4.0	4.220	0.0012	/	Pass
				0	4.0	4.134	0.0012	/	Pass
				10	4.0	4.034	0.0012	/	Pass
				30	4.0	5.150	0.0015	/	Pass
				40	4.0	5.922	0.0017	/	Pass
	50	4.0	5.808	0.0017	/	Pass			
	3460	100	0	20	3.55	5.651	0.0016	/	Pass
					4.0	5.651	0.0016	/	Pass
					4.4	3.877	0.0011	/	Pass
				-30	4.0	5.035	0.0014	/	Pass
				-20	4.0	5.350	0.0015	/	Pass
				-10	4.0	2.103	0.0006	/	Pass
				0	4.0	6.609	0.0019	/	Pass
				10	4.0	5.078	0.0014	/	Pass
30				4.0	5.693	0.0016	/	Pass	
64QAM	3500	100	0	20	3.55	3.862	0.0011	/	Pass
					4.0	1.559	0.0005	/	Pass
					4.4	7.925	0.0023	/	Pass
				-30	4.0	4.277	0.0012	/	Pass
				-20	4.0	1.860	0.0005	/	Pass
				-10	4.0	2.789	0.0008	/	Pass
				0	4.0	2.933	0.0008	/	Pass
				10	4.0	1.917	0.0006	/	Pass
				30	4.0	5.307	0.0015	/	Pass
	40	4.0	3.219	0.0009	/	Pass			
	50	4.0	4.892	0.0014	/	Pass			
	3540	100	0	20	3.55	4.163	0.0012	/	Pass
					4.0	3.533	0.0010	/	Pass
					4.4	4.878	0.0014	/	Pass
				-30	4.0	2.446	0.0007	/	Pass
				-20	4.0	4.106	0.0012	/	Pass
				-10	4.0	3.190	0.0009	/	Pass
				0	4.0	3.991	0.0011	/	Pass
10				4.0	2.847	0.0008	/	Pass	
30				4.0	4.506	0.0013	/	Pass	
3540	100	0	20	3.55	4.292	0.0012	/	Pass	
				4.0	4.621	0.0013	/	Pass	
				4.4	6.623	0.0019	/	Pass	
			-30	4.0	4.735	0.0013	/	Pass	
			-20	4.0	4.978	0.0014	/	Pass	



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				-10	4.0	5.293	0.0015	/	Pass
				0	4.0	2.074	0.0006	/	Pass
				10	4.0	5.379	0.0015	/	Pass
				30	4.0	6.781	0.0019	/	Pass
				40	4.0	2.303	0.0007	/	Pass
				50	4.0	5.665	0.0016	/	Pass
256QAM	3460	100	0	20	3.55	3.047	0.0009	/	Pass
					4.0	3.490	0.0010	/	Pass
					4.4	5.794	0.0017	/	Pass
				-30	4.0	2.117	0.0006	/	Pass
				-20	4.0	2.646	0.0008	/	Pass
				-10	4.0	5.121	0.0015	/	Pass
				0	4.0	2.761	0.0008	/	Pass
				10	4.0	5.951	0.0017	/	Pass
				30	4.0	4.578	0.0013	/	Pass
				40	4.0	5.178	0.0015	/	Pass
	50	4.0	5.808	0.0017	/	Pass			
	3500	100	0	20	3.55	7.095	0.0020	/	Pass
					4.0	4.077	0.0012	/	Pass
					4.4	6.866	0.0020	/	Pass
				-30	4.0	7.281	0.0021	/	Pass
				-20	4.0	5.178	0.0015	/	Pass
				-10	4.0	3.676	0.0011	/	Pass
				0	4.0	5.322	0.0015	/	Pass
				10	4.0	4.921	0.0014	/	Pass
				30	4.0	7.210	0.0021	/	Pass
40				4.0	5.493	0.0016	/	Pass	
50	4.0	5.522	0.0016	/	Pass				
3540	100	0	20	3.55	4.549	0.0013	/	Pass	
				4.0	4.392	0.0012	/	Pass	
				4.4	3.834	0.0011	/	Pass	
			-30	4.0	4.692	0.0013	/	Pass	
			-20	4.0	7.224	0.0020	/	Pass	
			-10	4.0	4.835	0.0014	/	Pass	
			0	4.0	3.376	0.0010	/	Pass	
			10	4.0	6.309	0.0018	/	Pass	
			30	4.0	4.921	0.0014	/	Pass	
			40	4.0	6.180	0.0017	/	Pass	
50	4.0	5.865	0.0017	/	Pass				



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3. 99% & 26dB Bandwidth

3.1 Band42a_OBW

3.1.1 Test Result

Band: 42a / NTNV							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		99% Occupied Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	4.554	/	Pass
		3500	25	0	4.560	/	Pass
		3547.5	25	0	4.563	/	Pass
	16QAM	3452.5	25	0	4.562	/	Pass
		3500	25	0	4.553	/	Pass
		3547.5	25	0	4.543	/	Pass
	64QAM	3452.5	25	0	4.570	/	Pass
		3500	25	0	4.563	/	Pass
		3547.5	25	0	4.564	/	Pass
	256QAM	3452.5	25	0	4.583	/	Pass
		3500	25	0	4.566	/	Pass
		3547.5	25	0	4.558	/	Pass
10	QPSK	3455	50	0	9.092	/	Pass
		3500	50	0	9.066	/	Pass
		3545	50	0	9.087	/	Pass
	16QAM	3455	50	0	9.063	/	Pass
		3500	50	0	9.060	/	Pass
		3545	50	0	9.074	/	Pass
	64QAM	3455	50	0	9.110	/	Pass
		3500	50	0	9.074	/	Pass
		3545	50	0	9.113	/	Pass
	256QAM	3455	50	0	9.059	/	Pass
		3500	50	0	9.093	/	Pass
		3545	50	0	9.065	/	Pass
15	QPSK	3457.5	75	0	13.611	/	Pass
		3500	75	0	13.475	/	Pass
		3542.5	75	0	13.594	/	Pass
	16QAM	3457.5	75	0	13.474	/	Pass
		3500	75	0	13.537	/	Pass
		3542.5	75	0	13.619	/	Pass
	64QAM	3457.5	75	0	13.613	/	Pass
		3500	75	0	13.438	/	Pass
		3542.5	75	0	13.619	/	Pass
	256QAM	3457.5	75	0	13.600	/	Pass
		3500	75	0	13.459	/	Pass
		3542.5	75	0	13.601	/	Pass
20	QPSK	3460	100	0	18.055	/	Pass



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	16QAM	3500	100	0	18.126	/	Pass	
		3540	100	0	18.068	/	Pass	
		3460	100	0	18.139	/	Pass	
	64QAM	3500	100	0	18.154	/	Pass	
		3540	100	0	18.092	/	Pass	
		3460	100	0	18.142	/	Pass	
	256QAM	3500	100	0	18.170	/	Pass	
		3540	100	0	18.112	/	Pass	
		3460	100	0	18.139	/	Pass	
			3500	100	0	18.138	/	Pass
			3540	100	0	18.129	/	Pass



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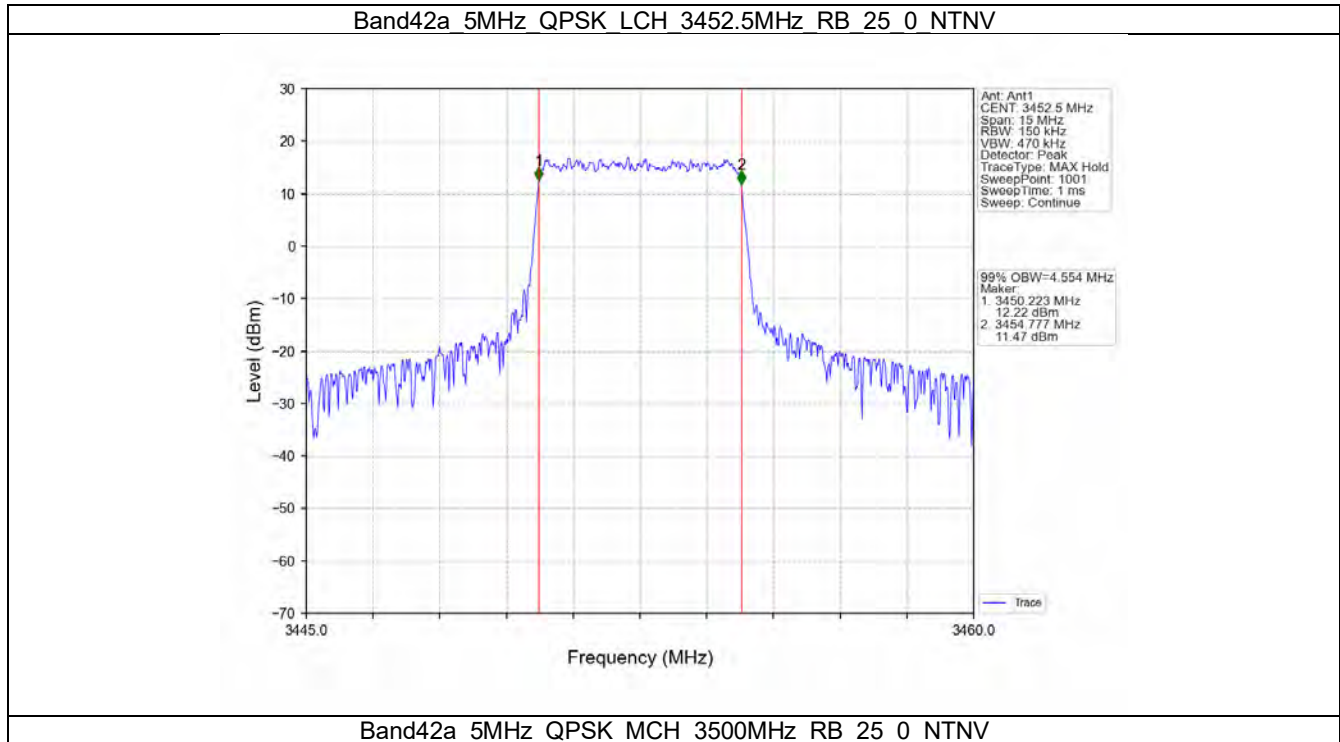
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3.1.2 Test Graph



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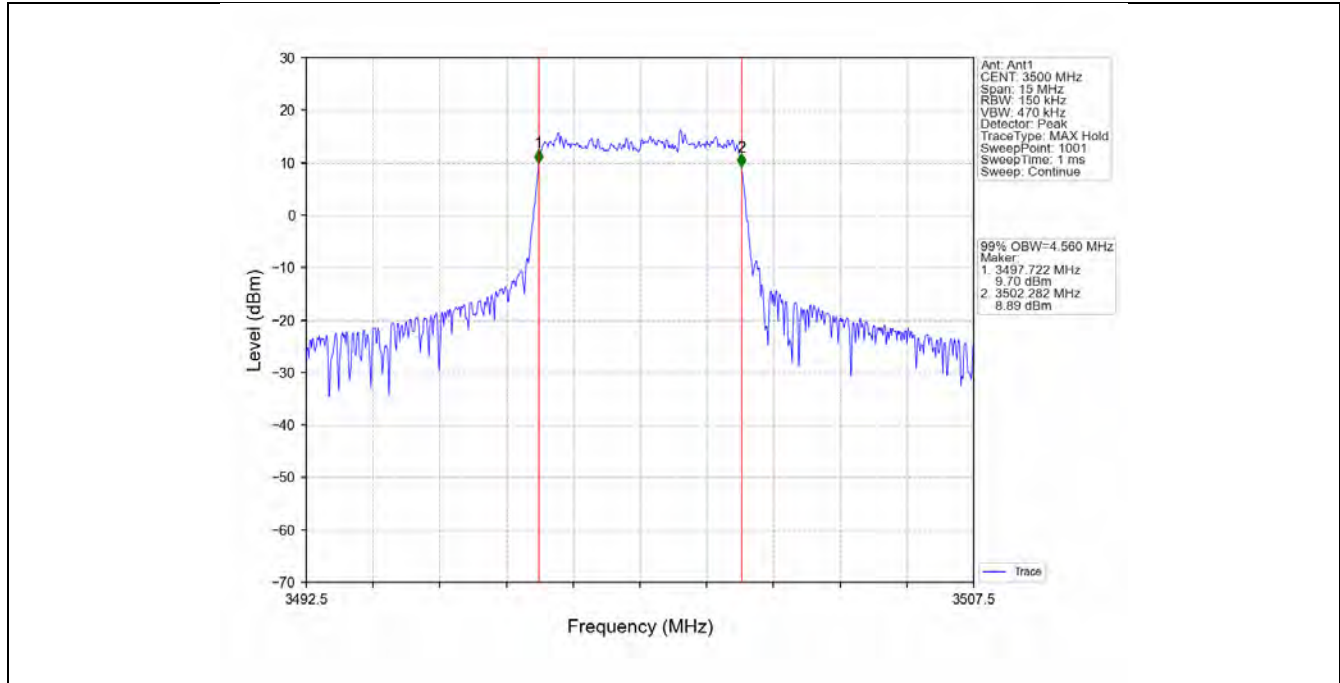


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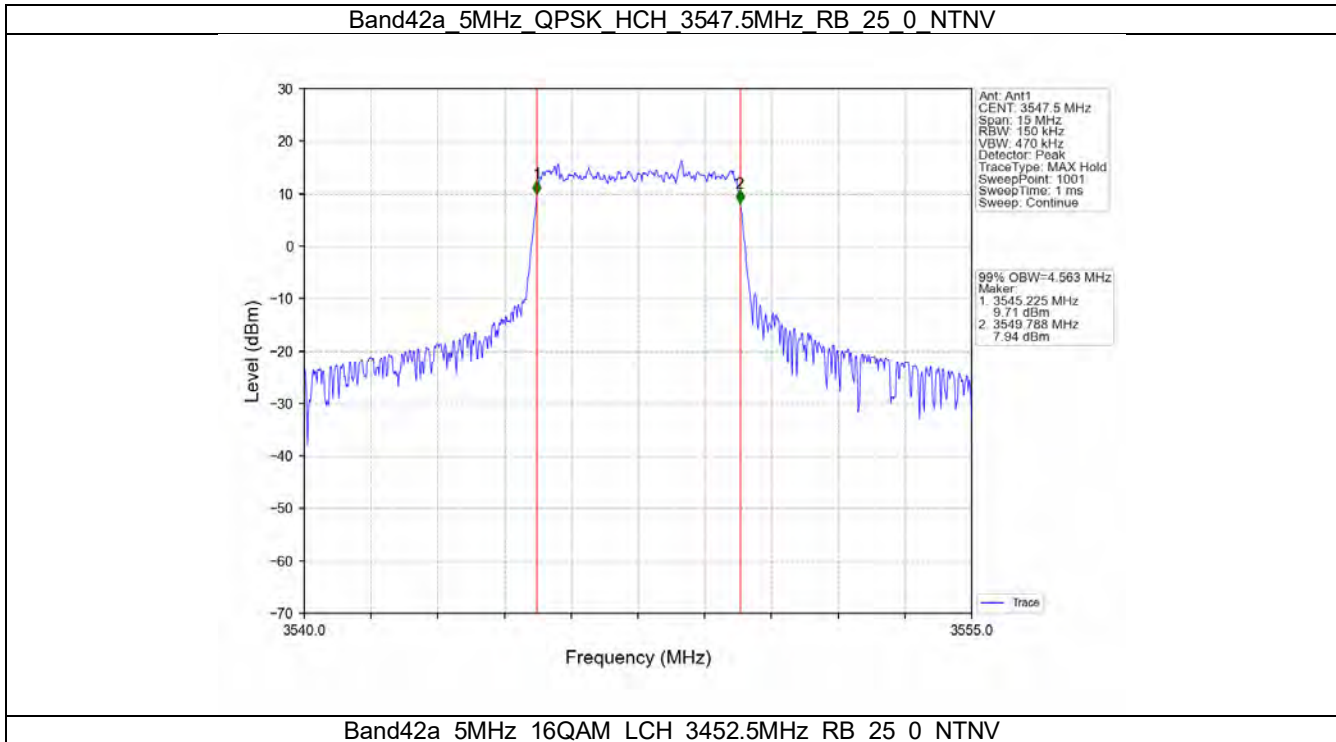


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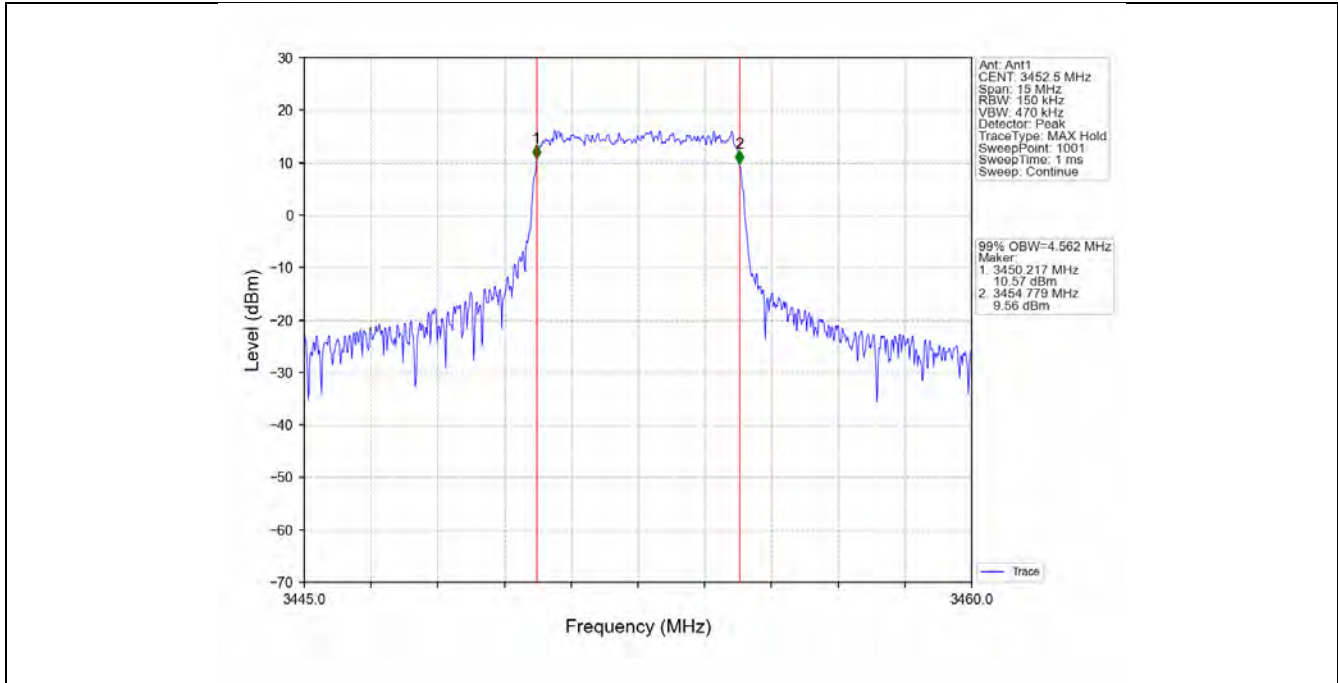


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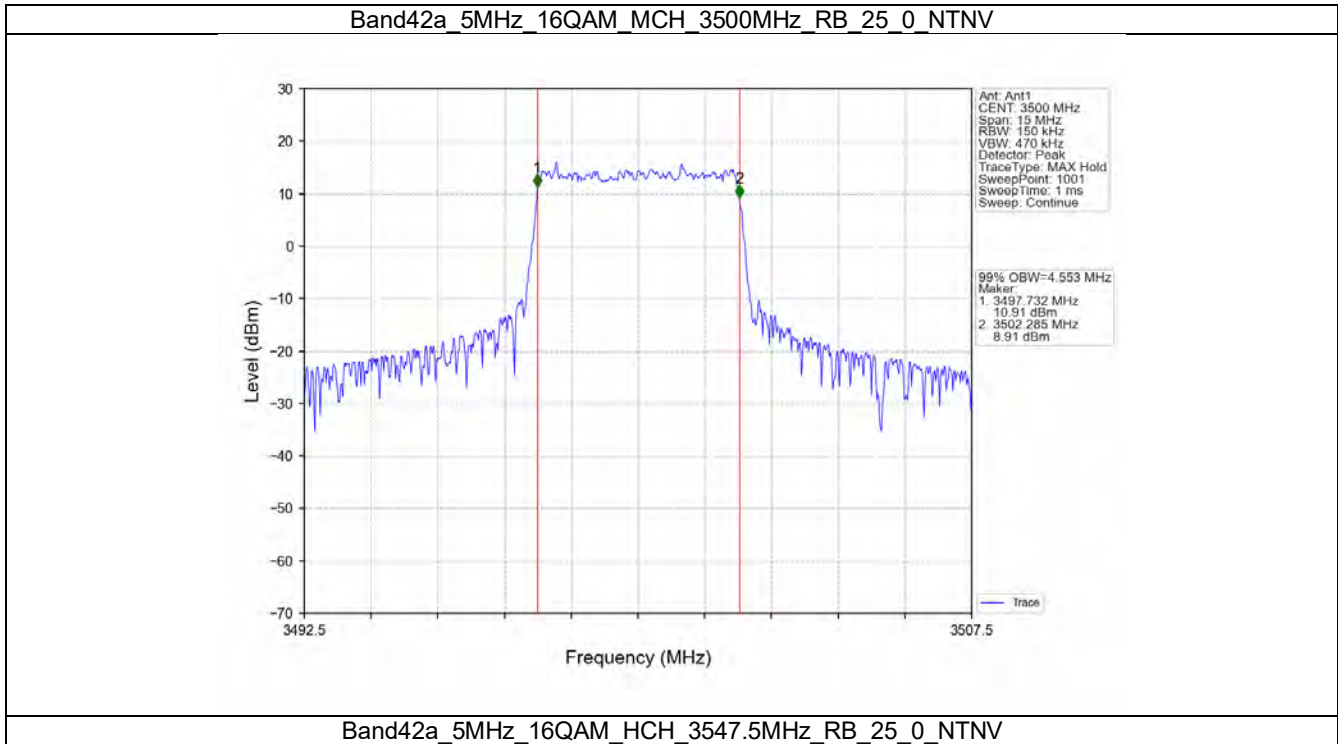


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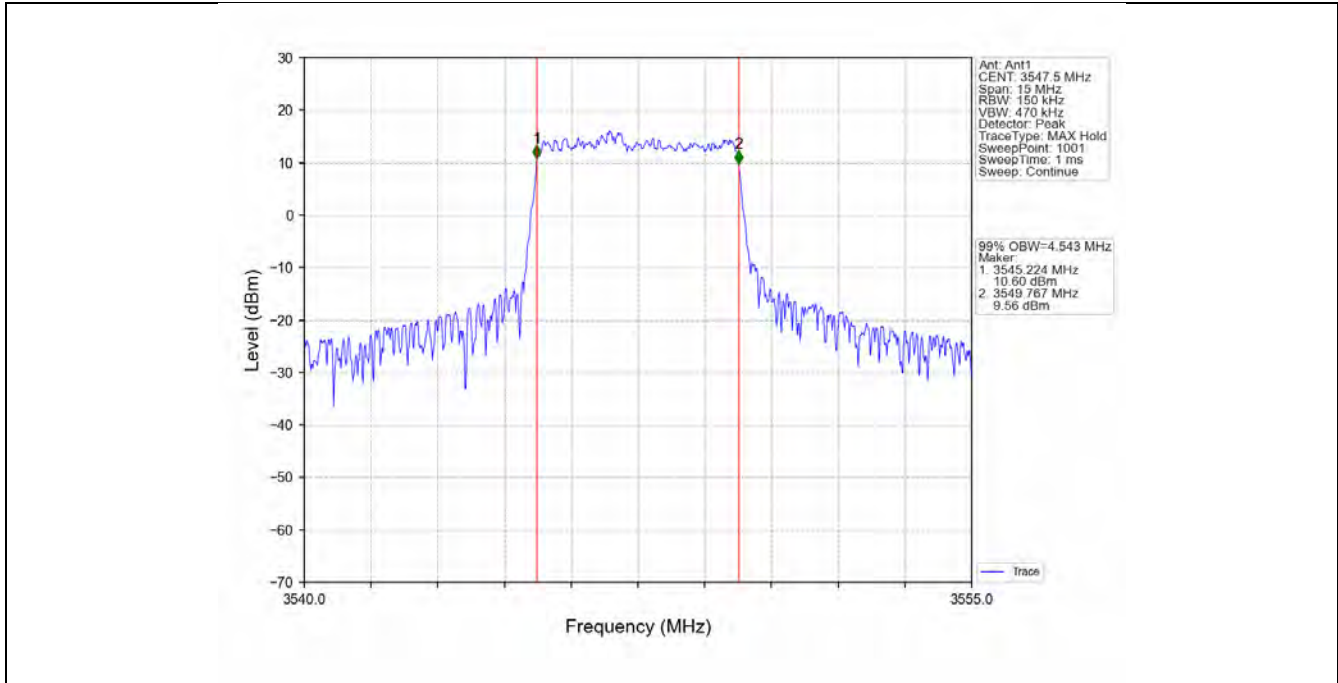


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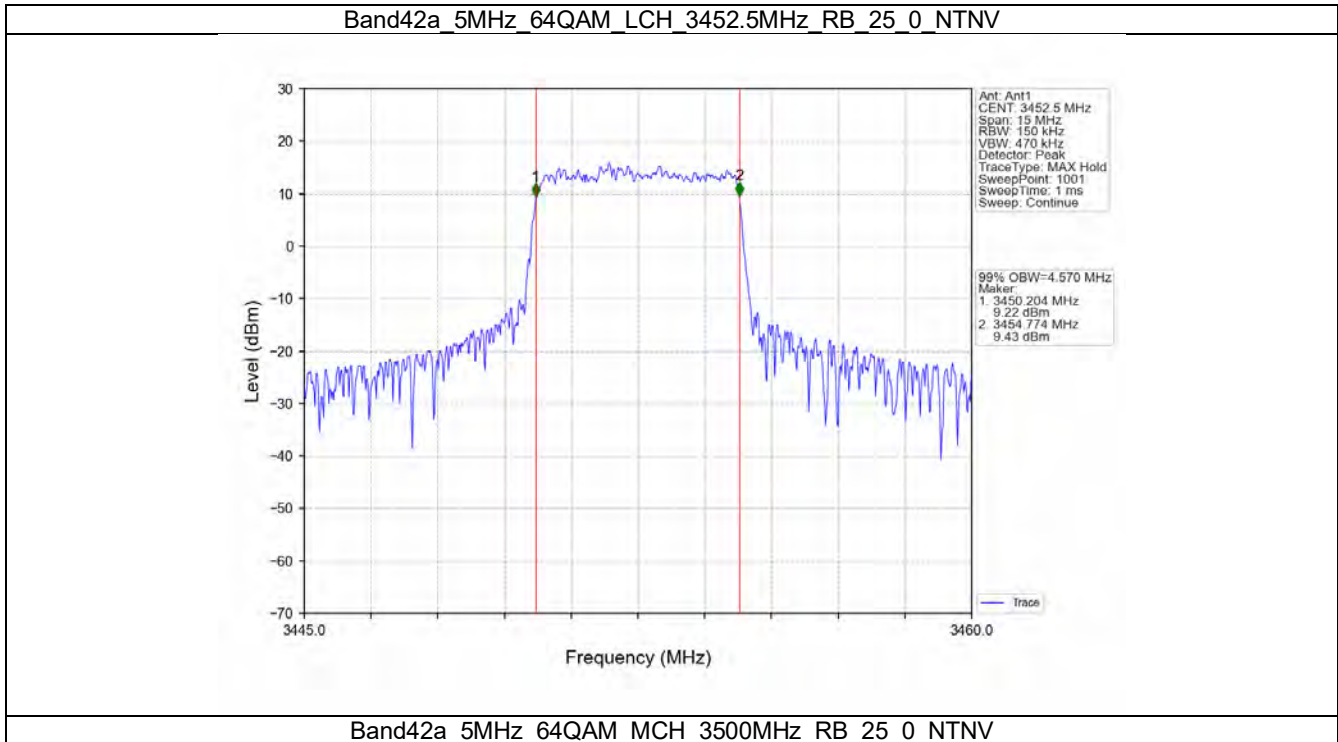


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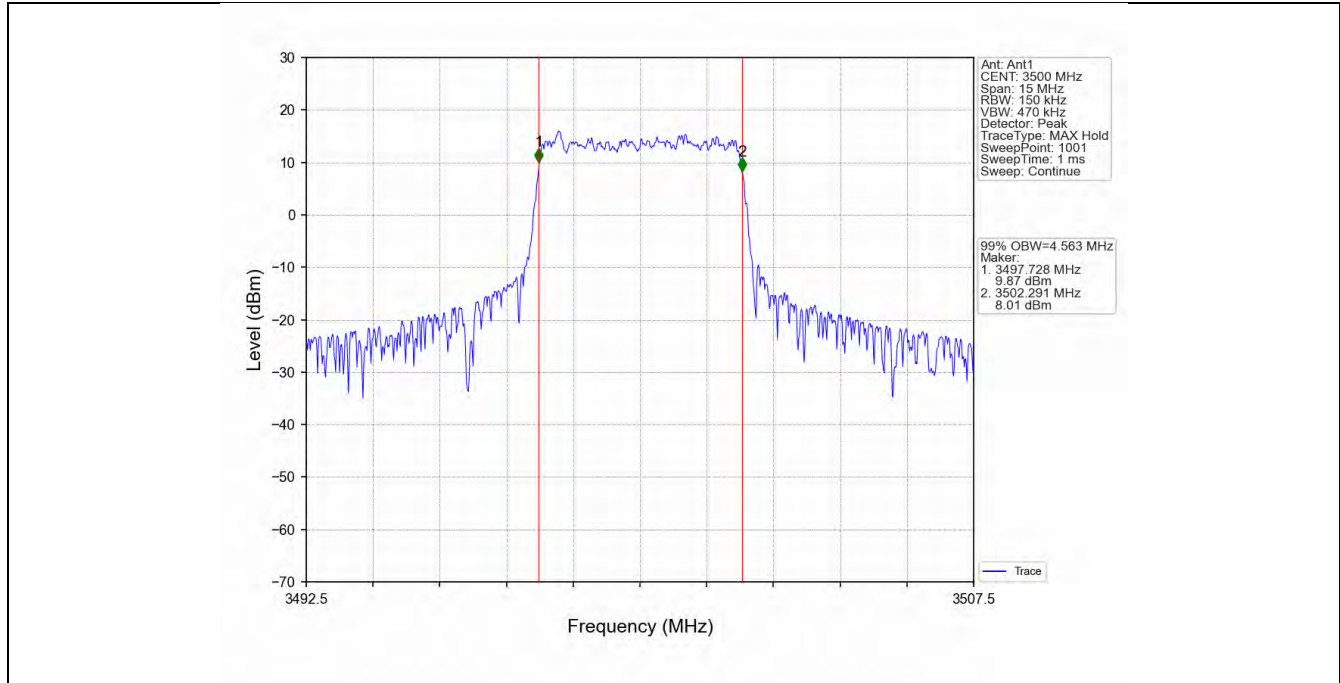


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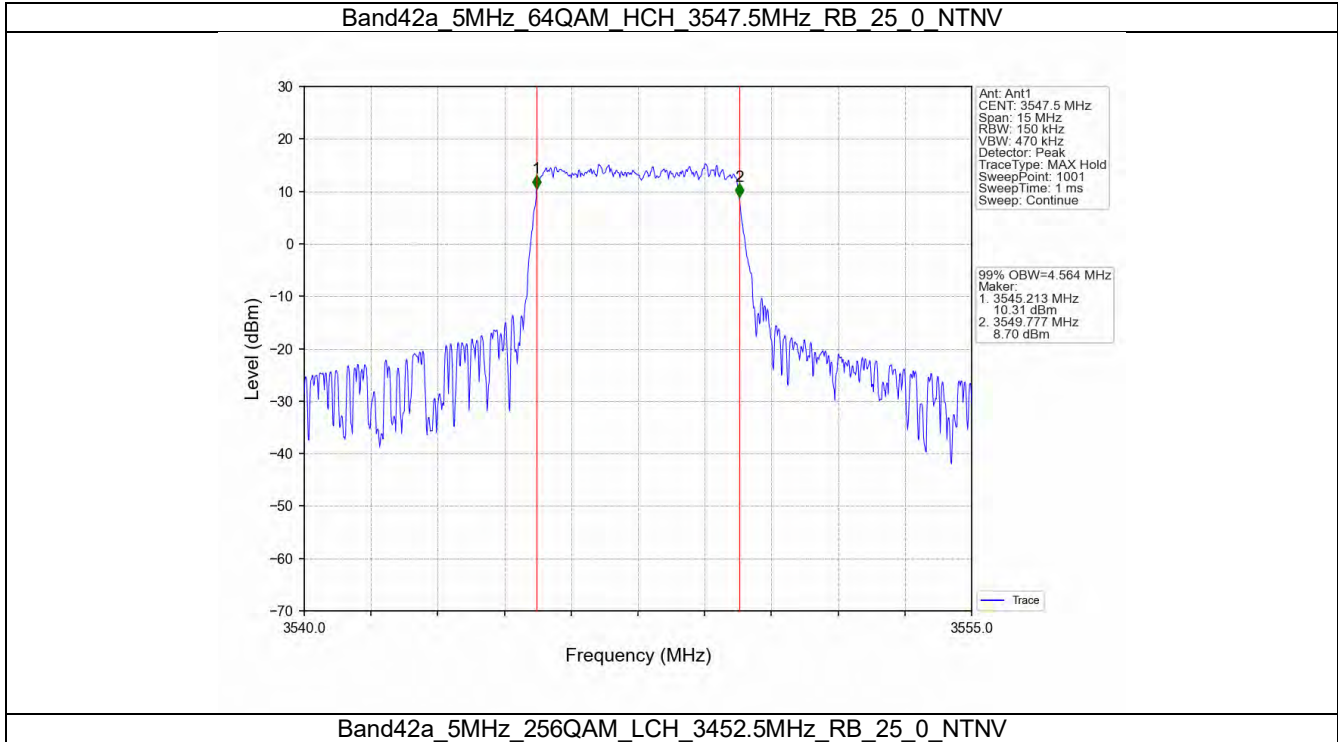


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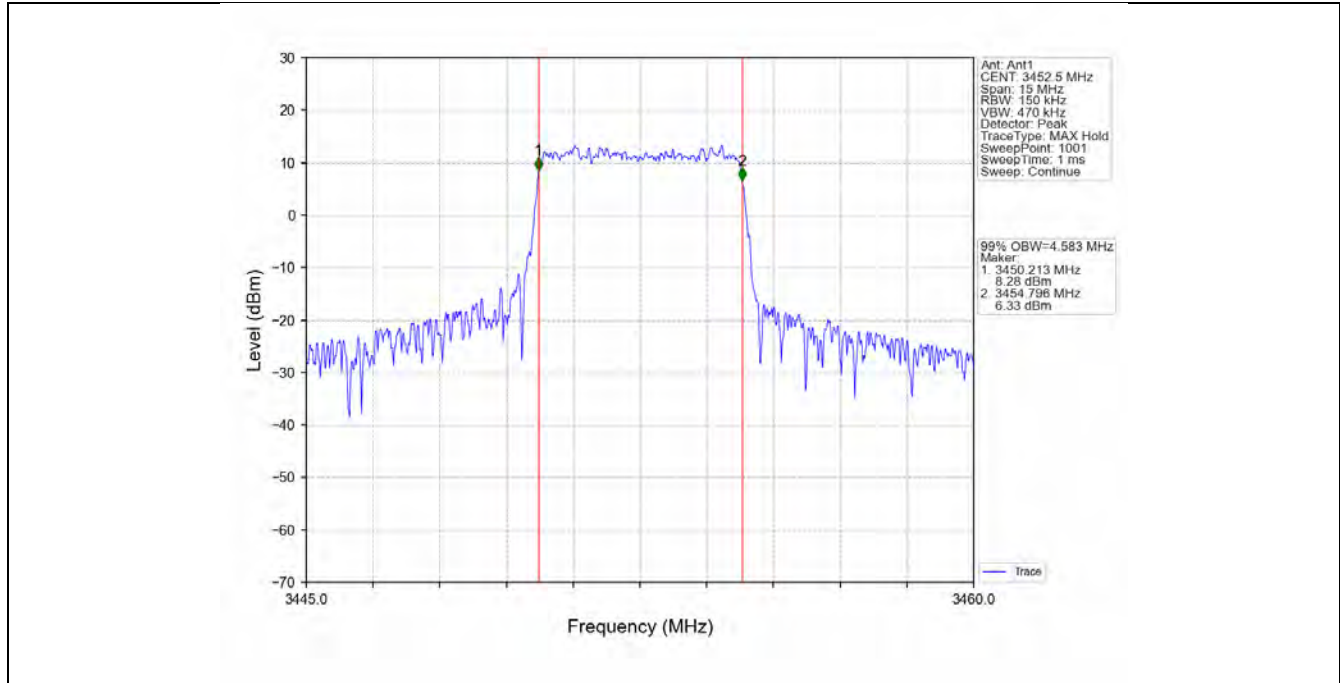


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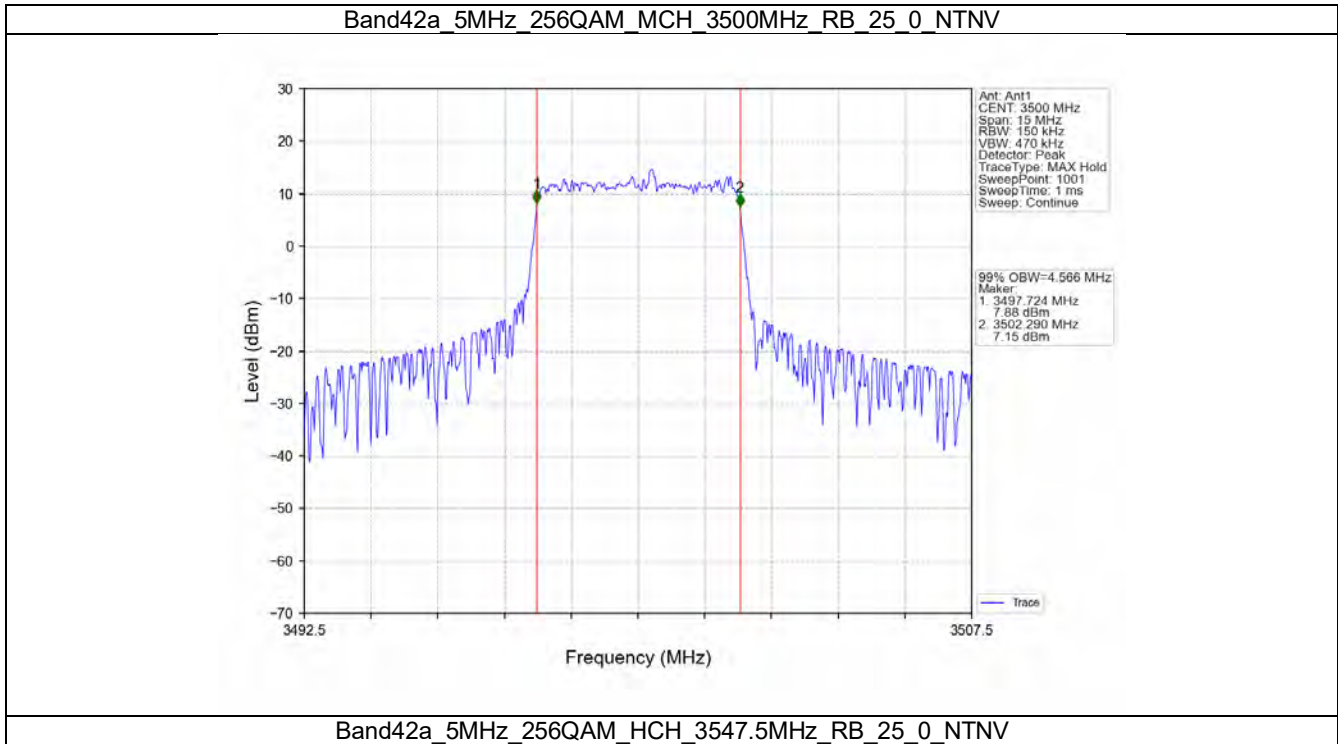


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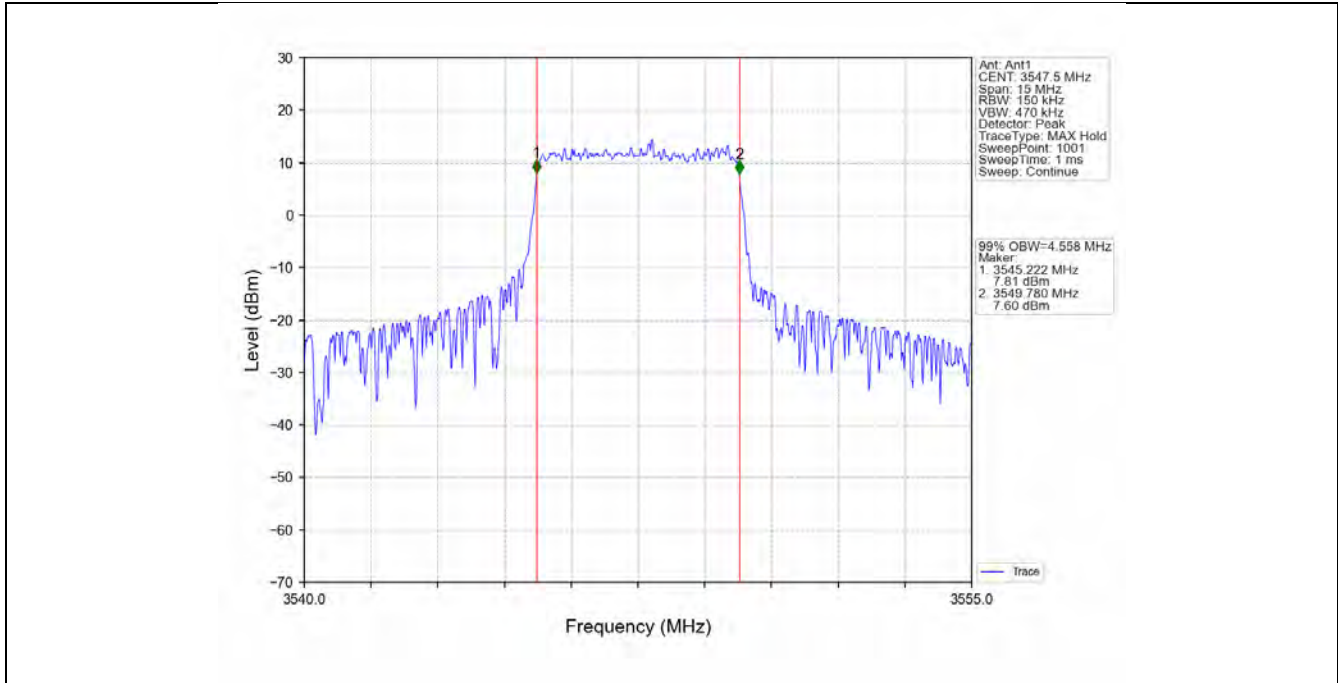


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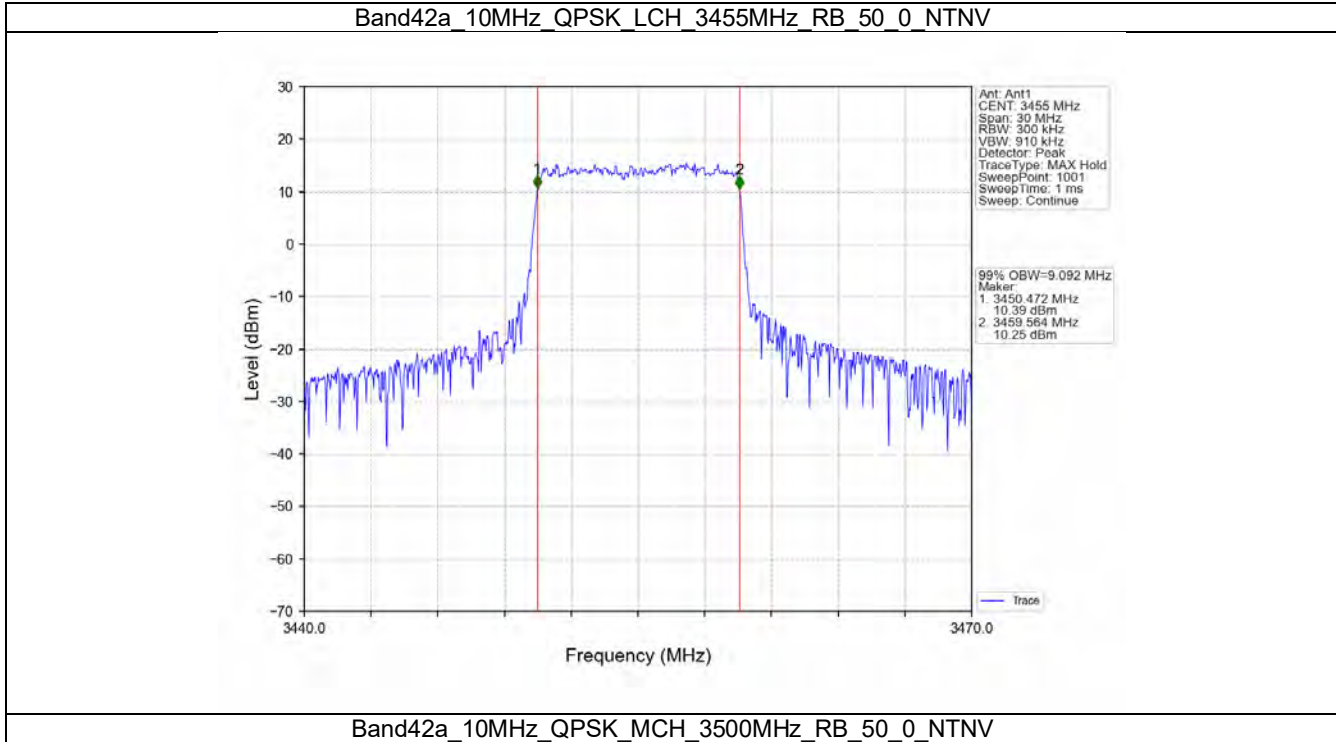


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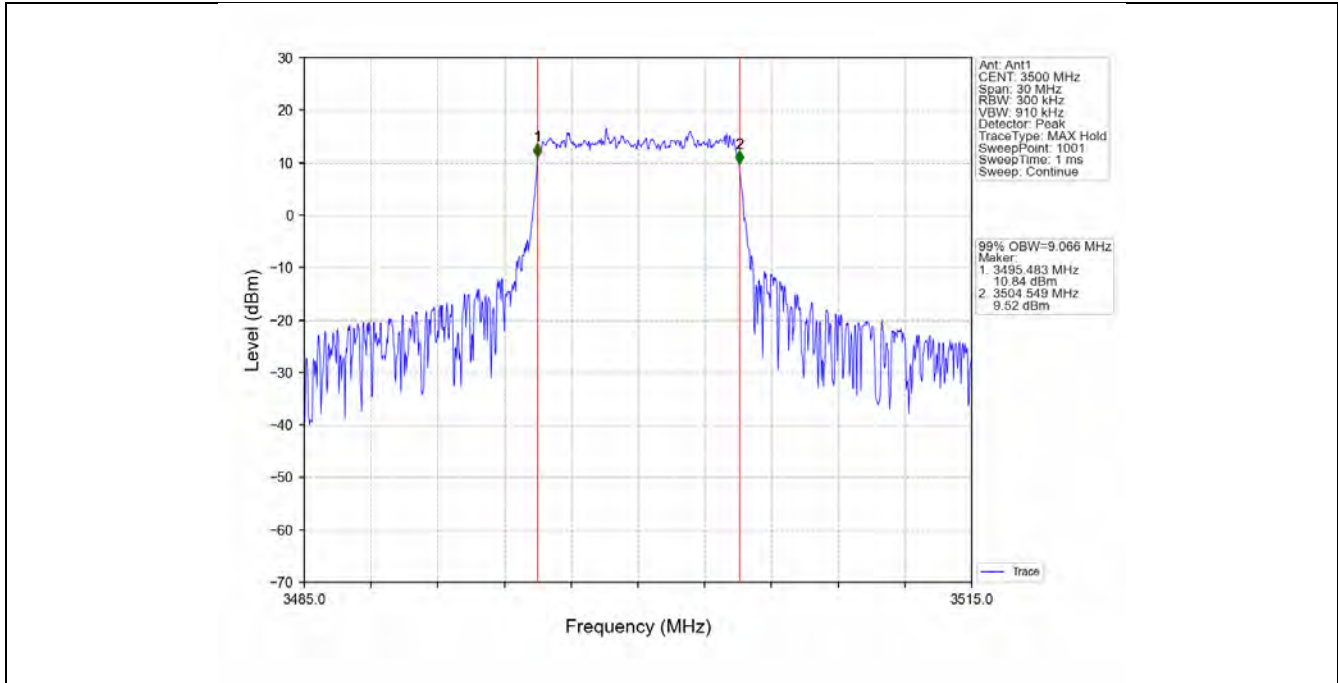


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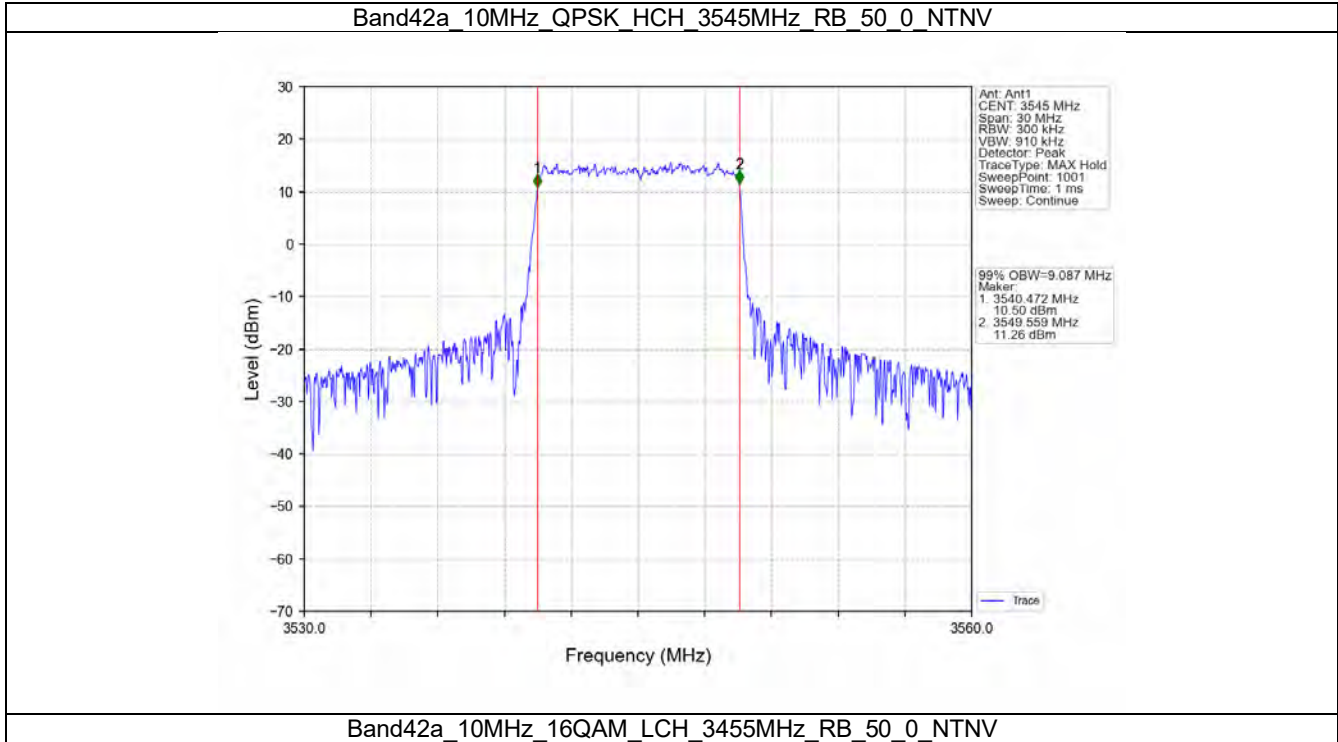


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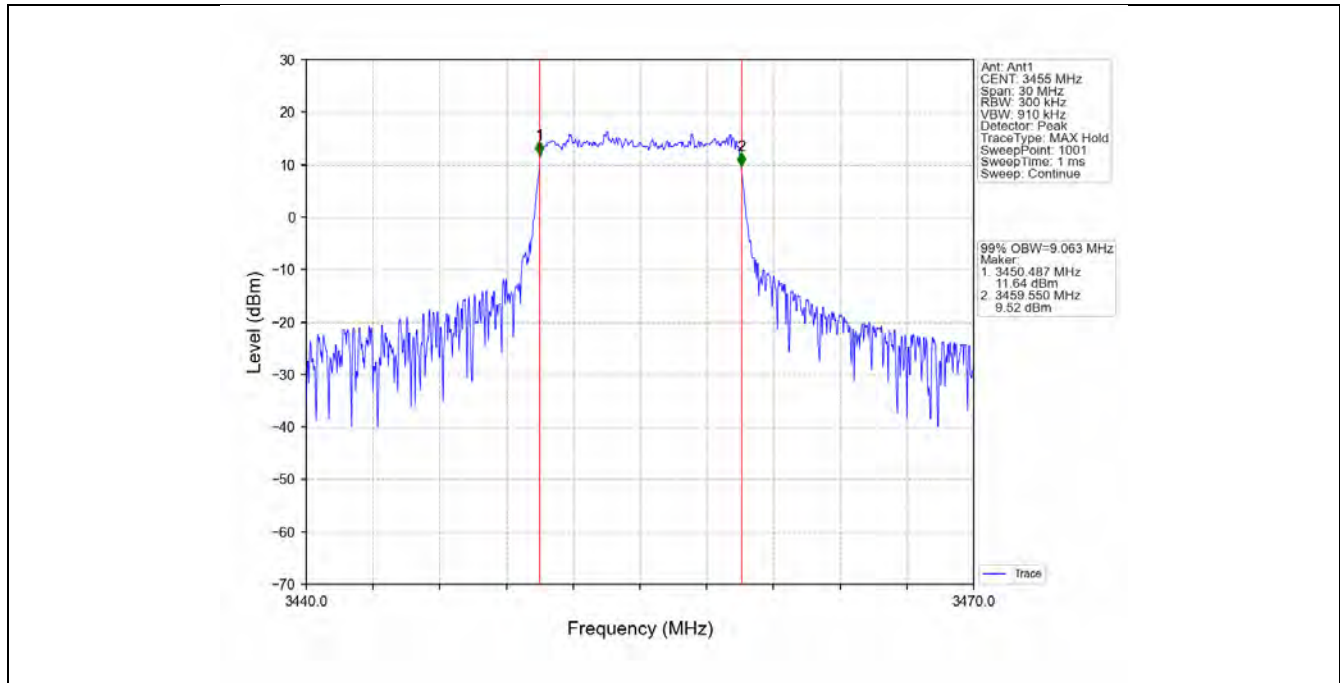


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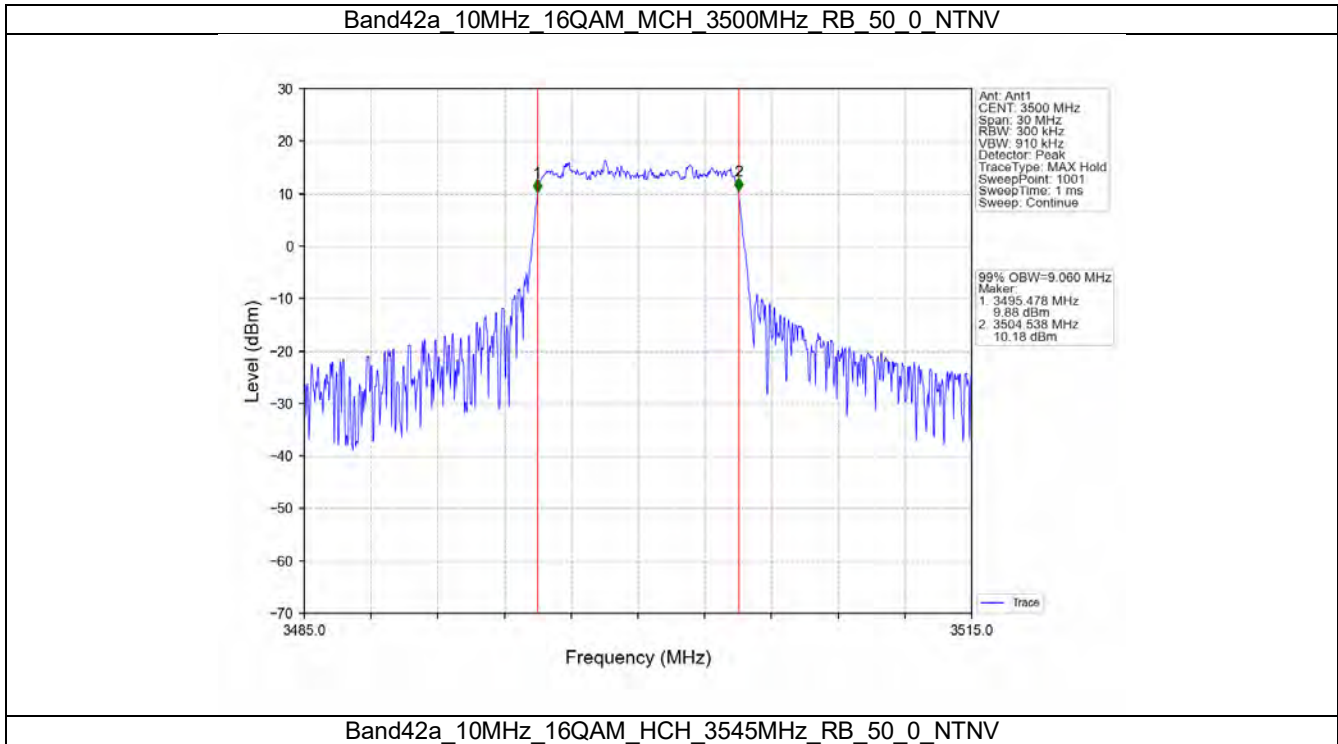


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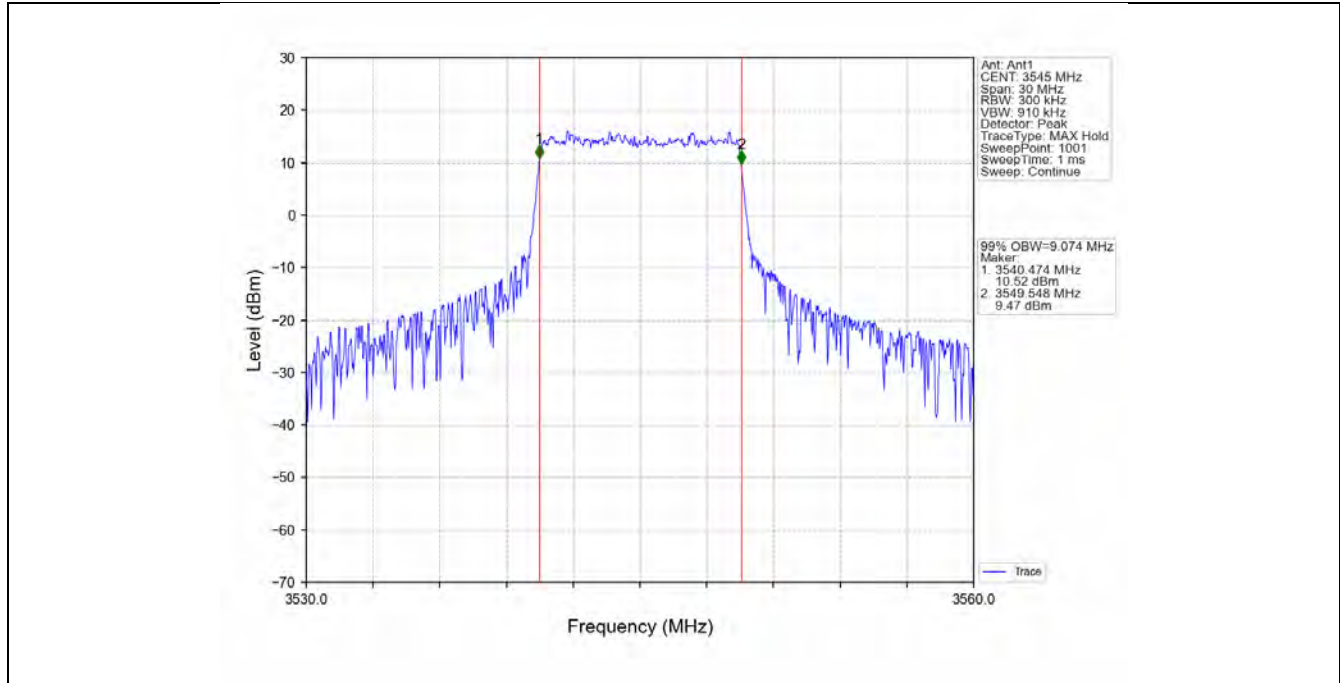


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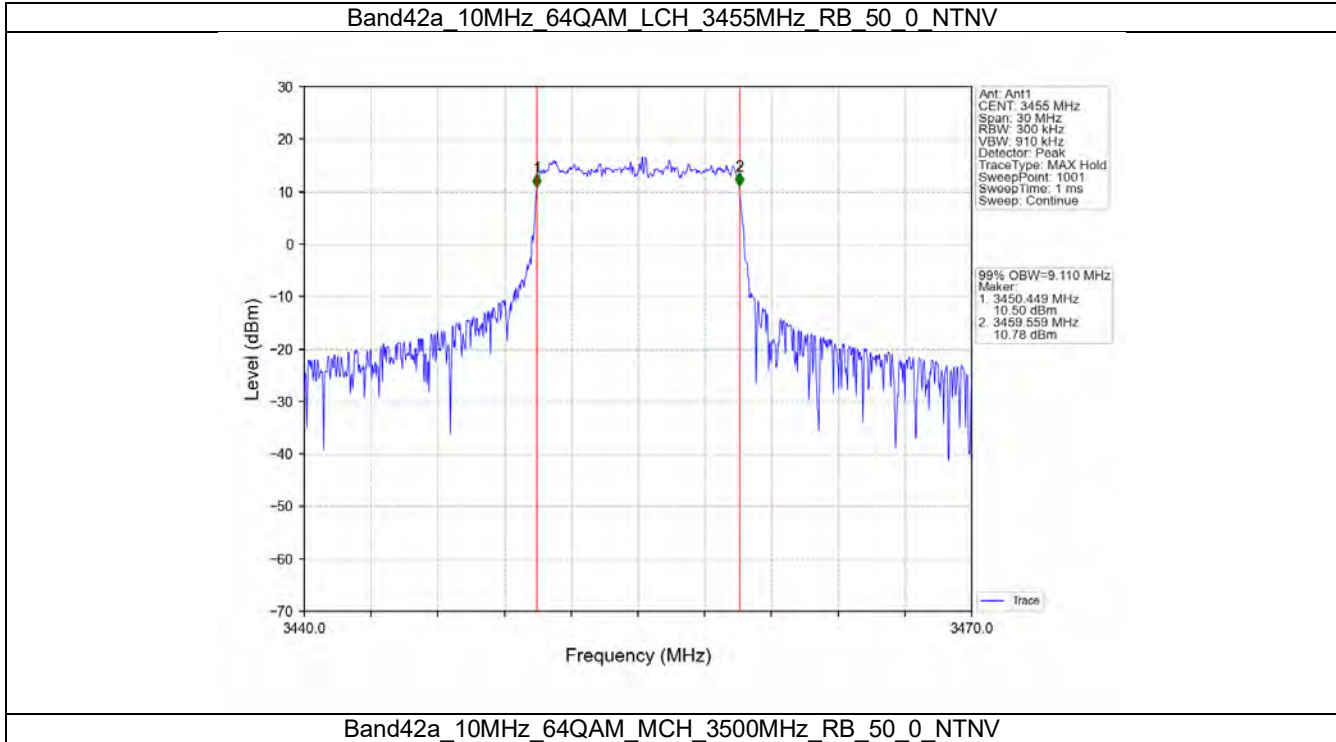


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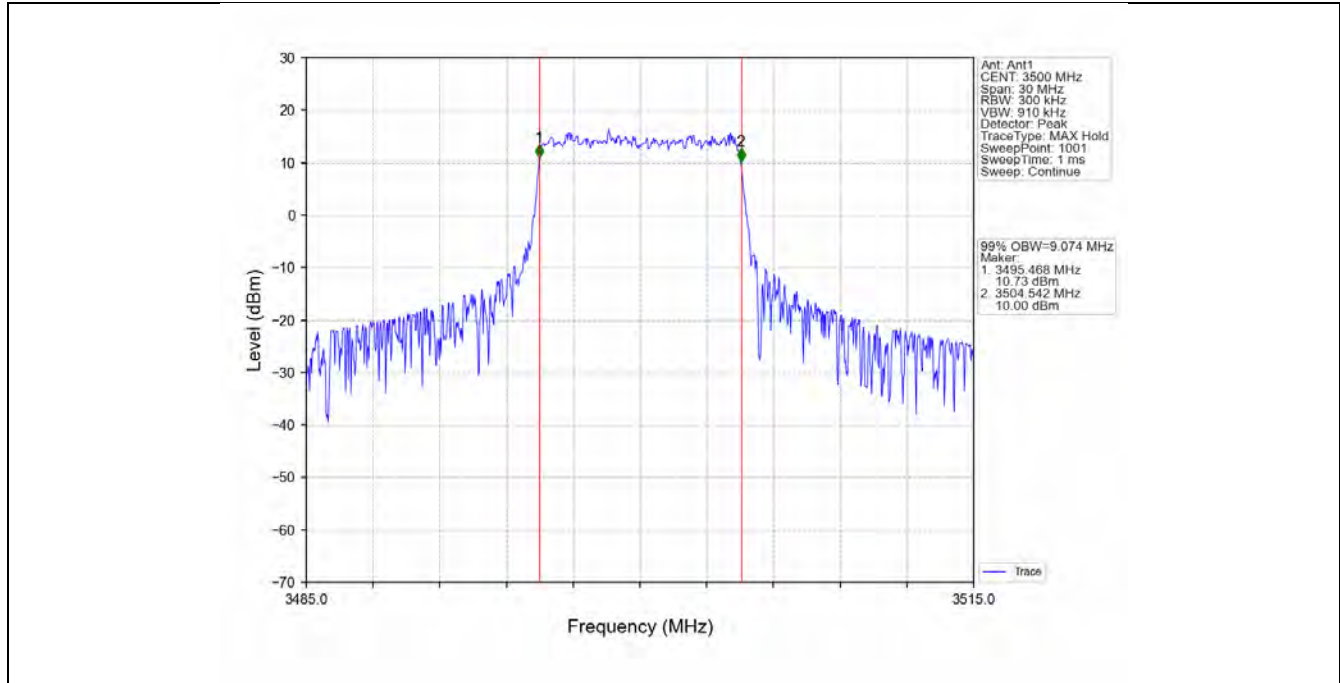


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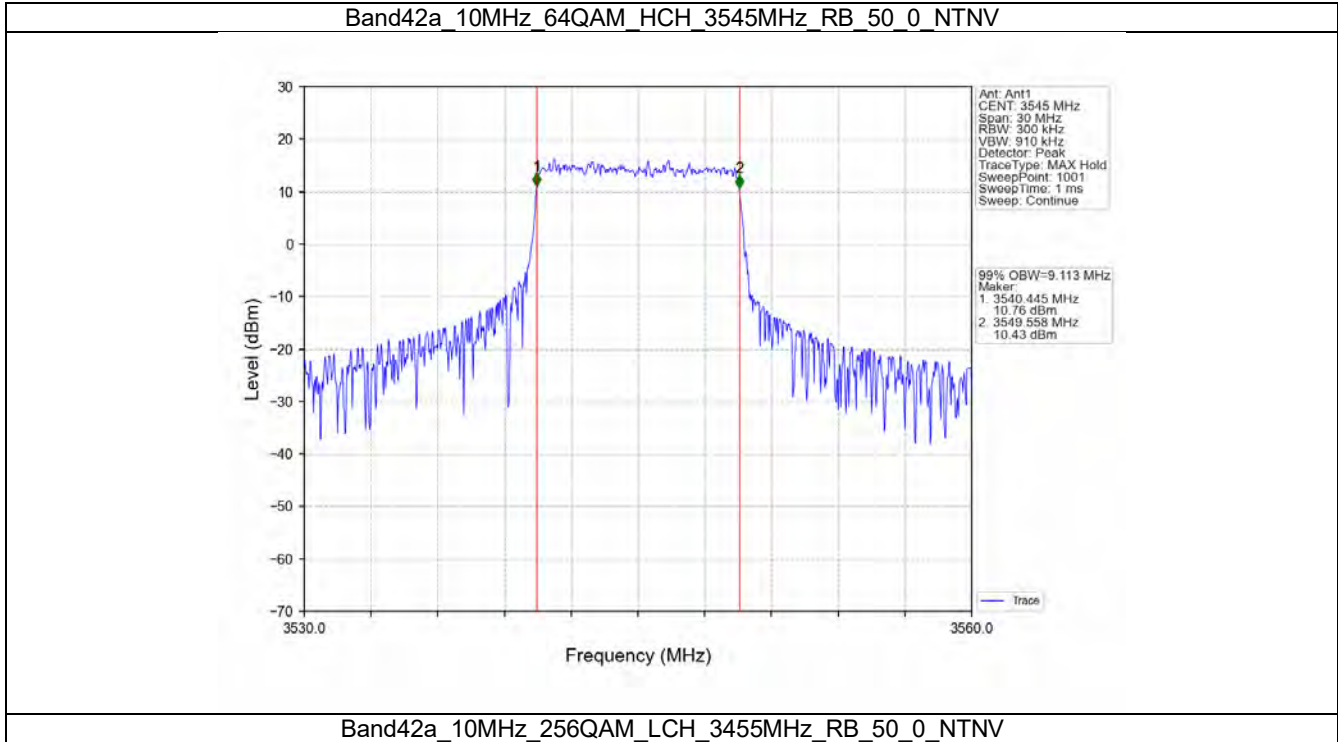


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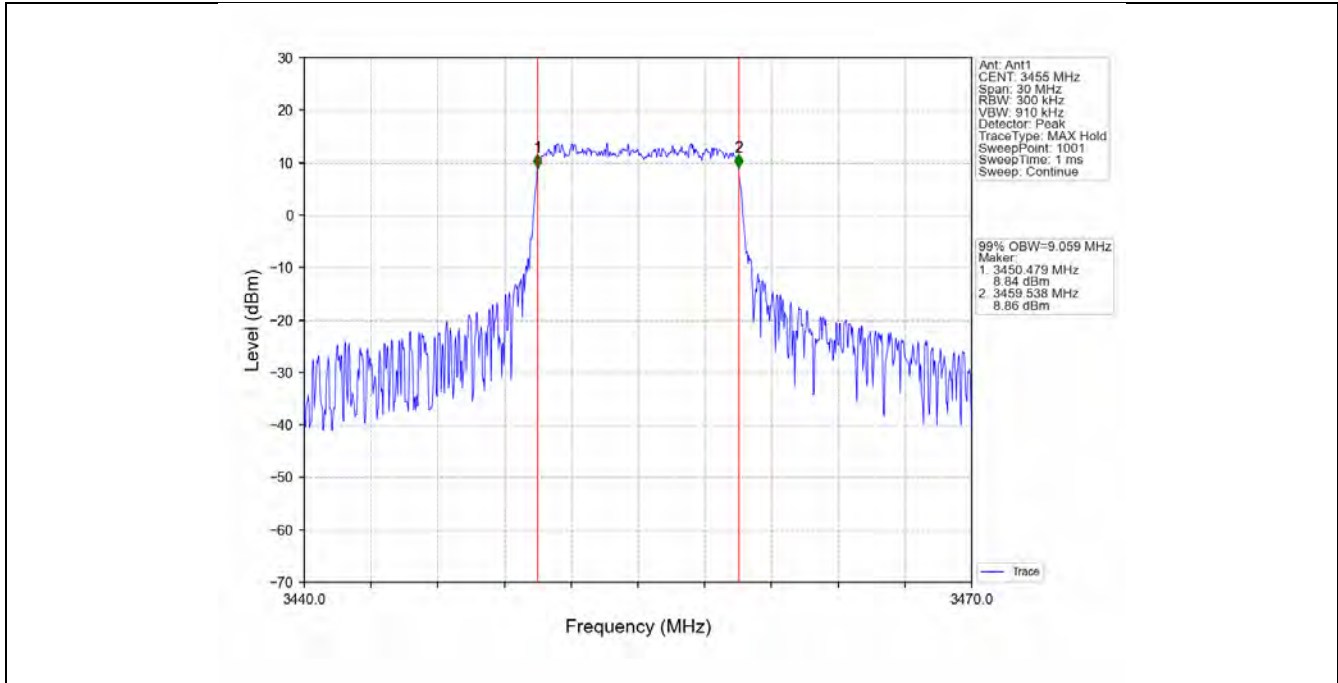


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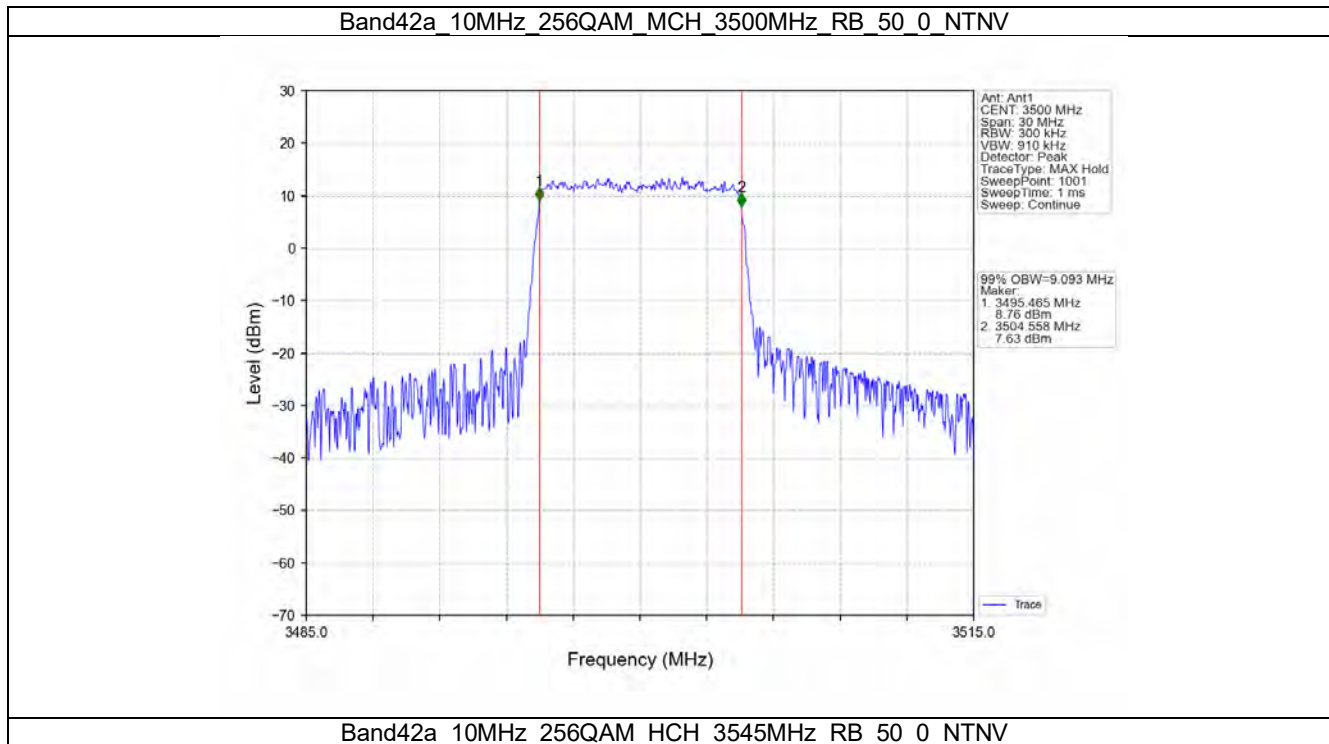
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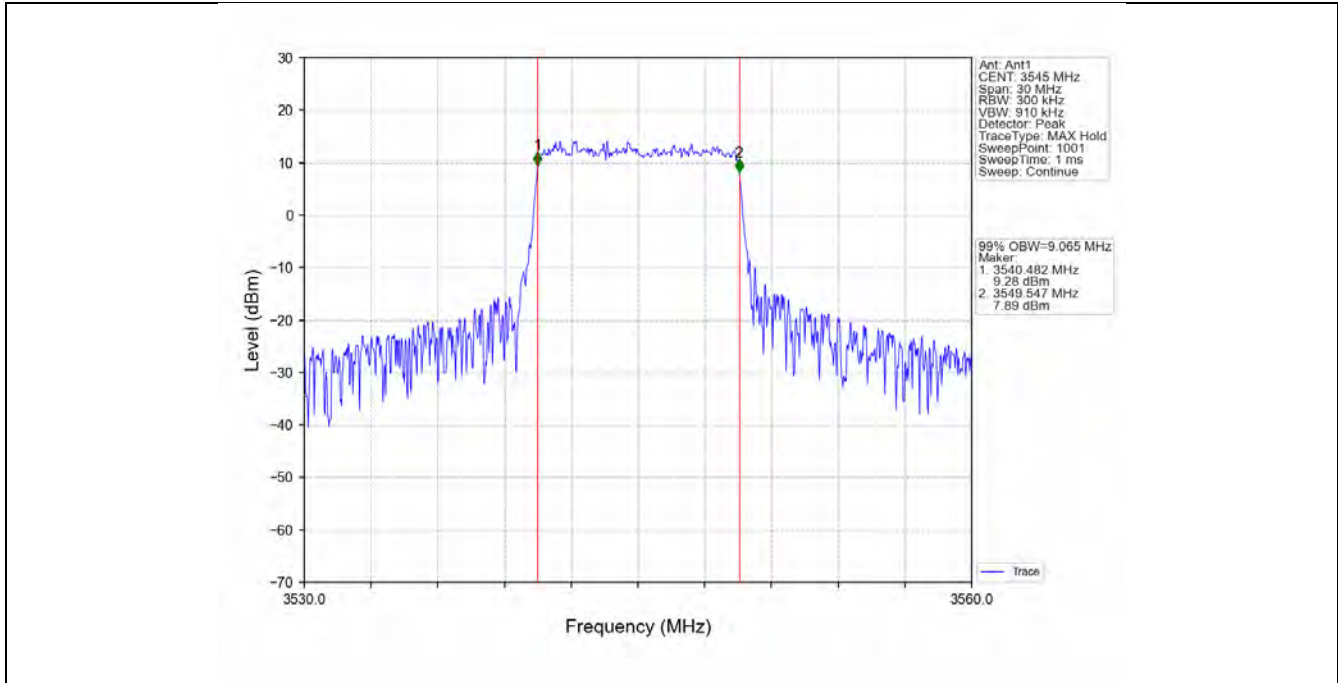


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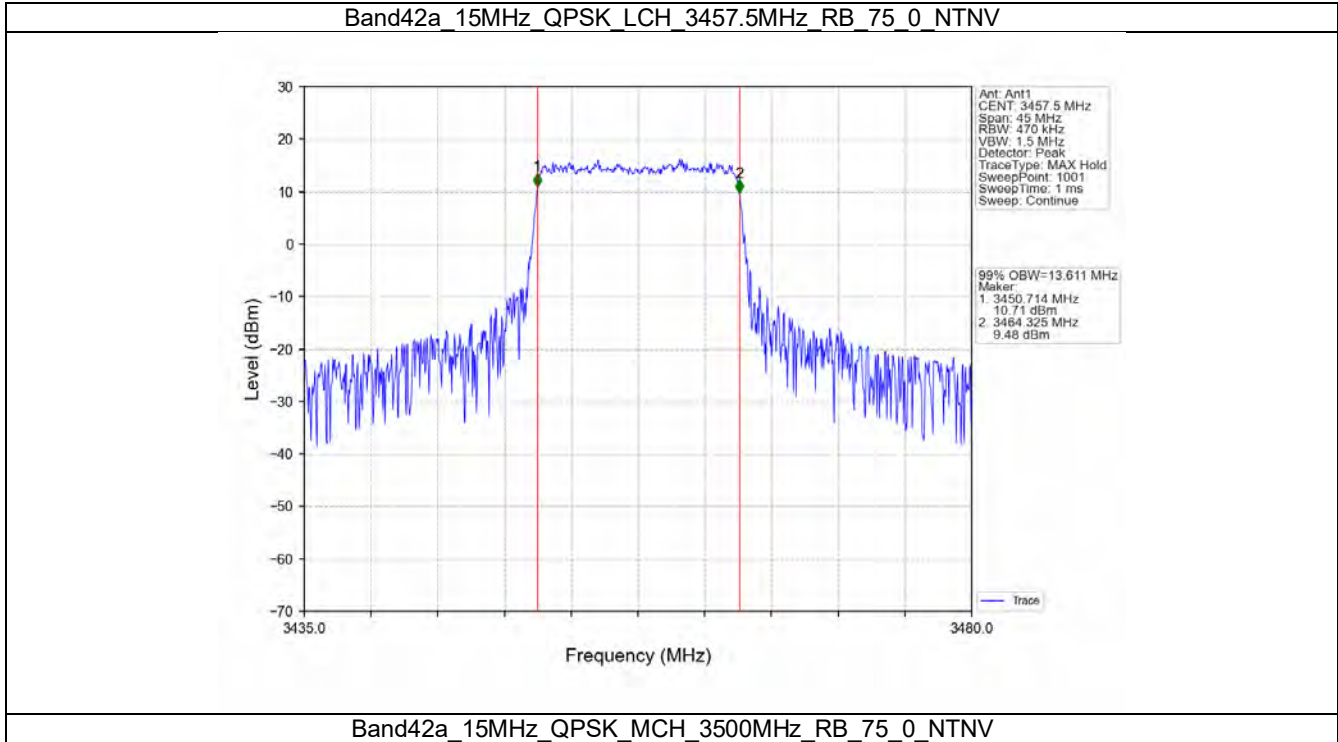


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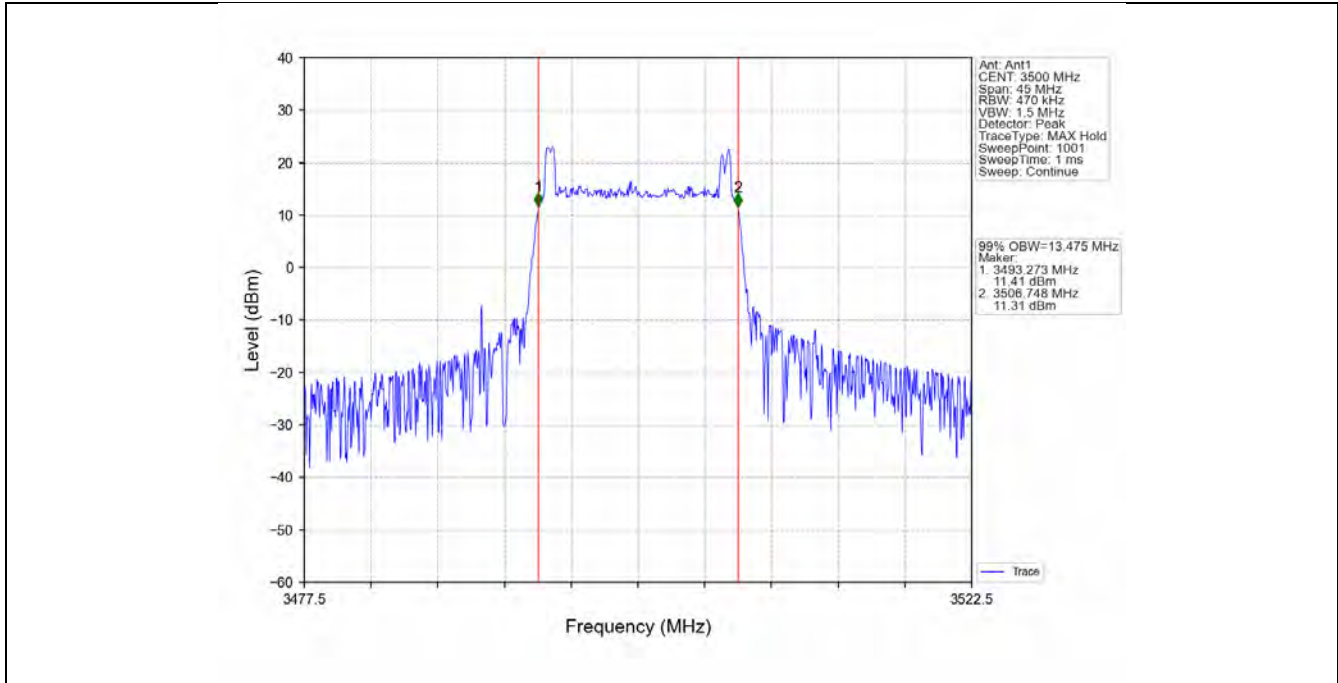


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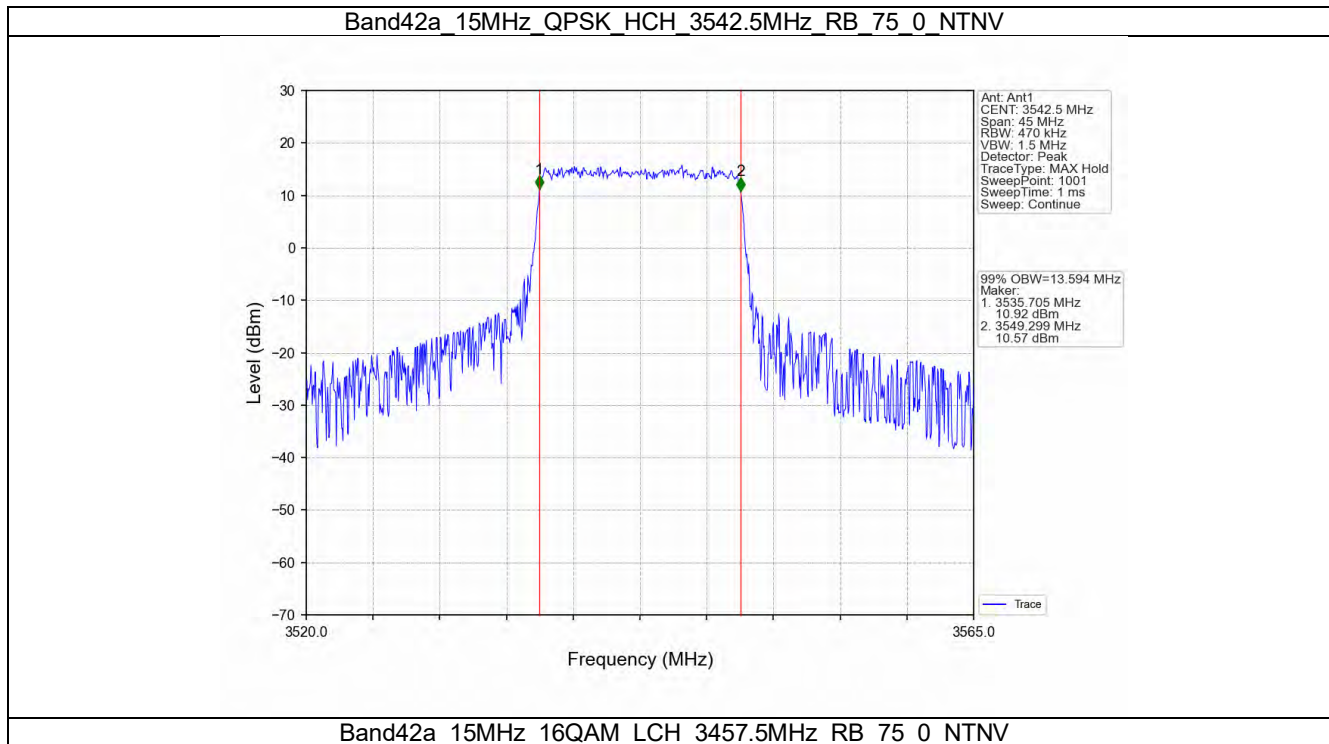
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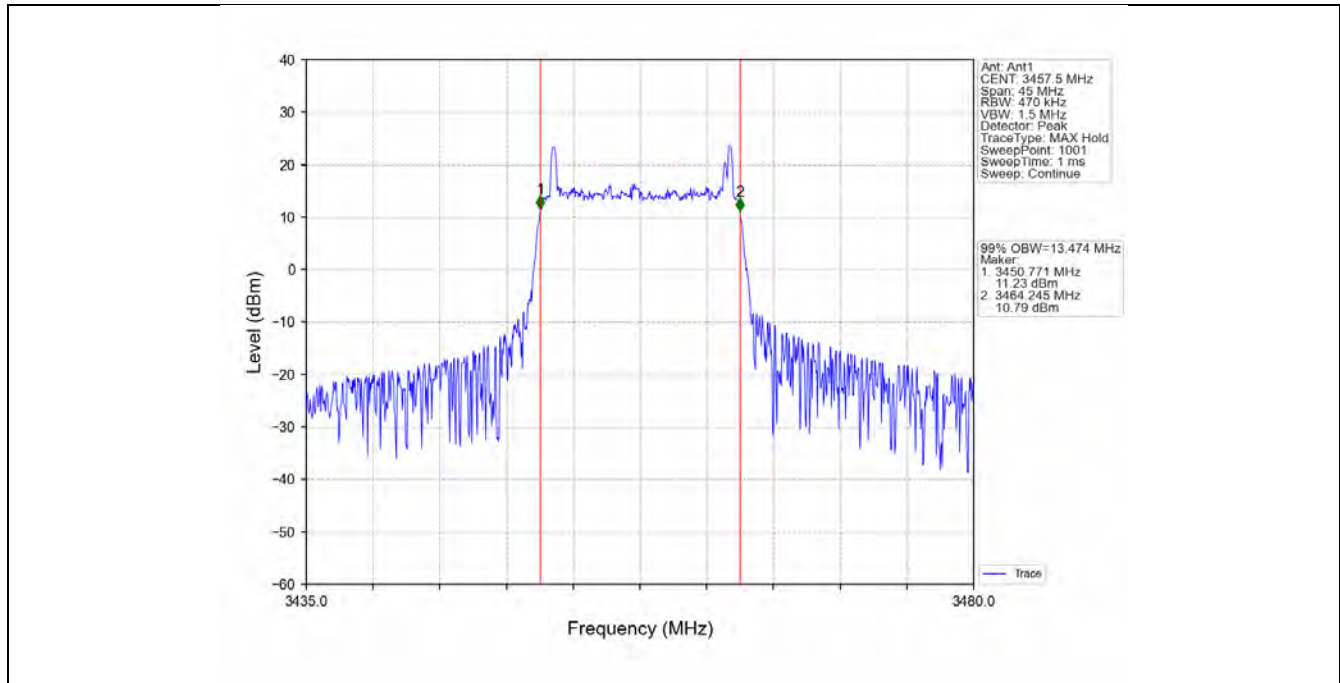


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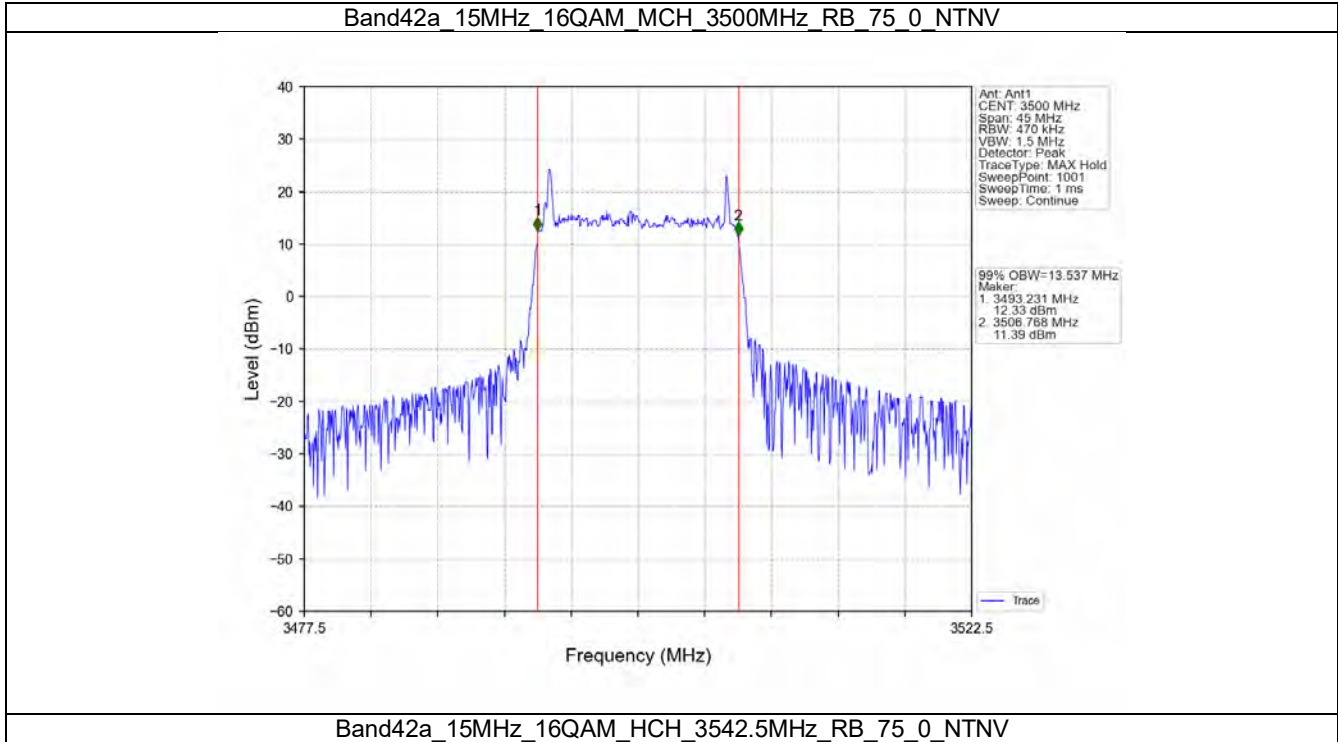


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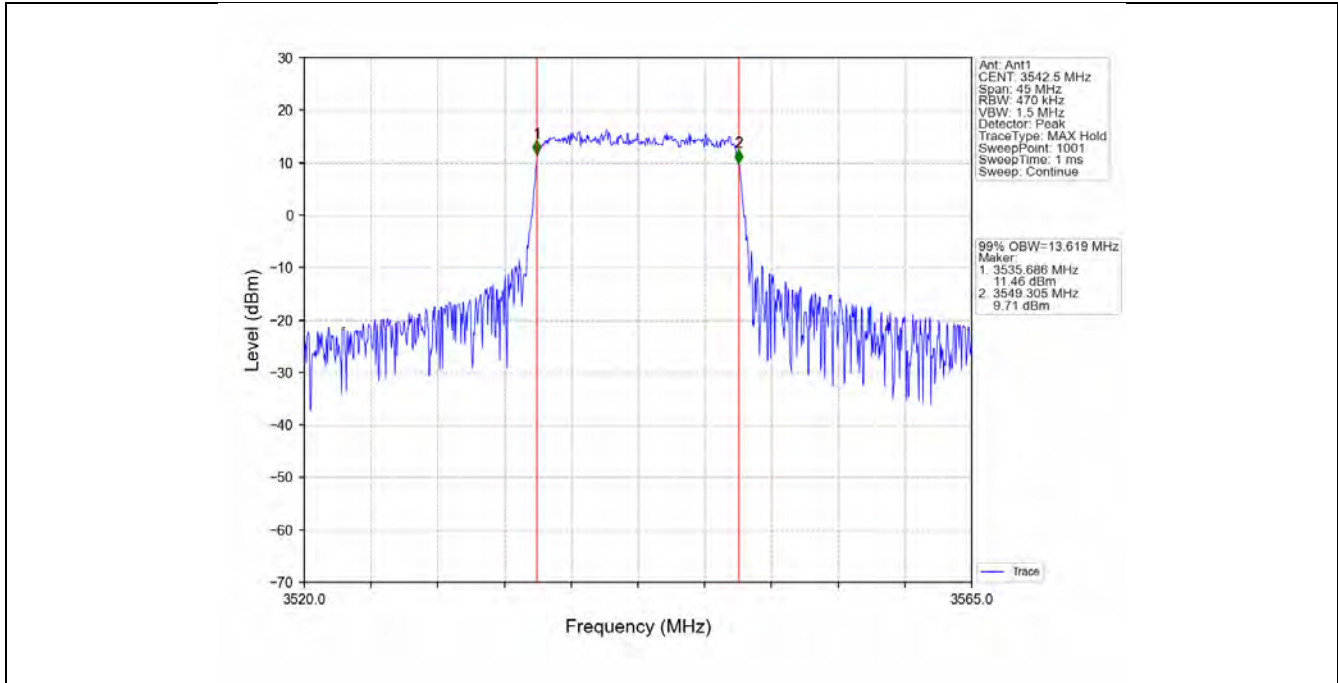


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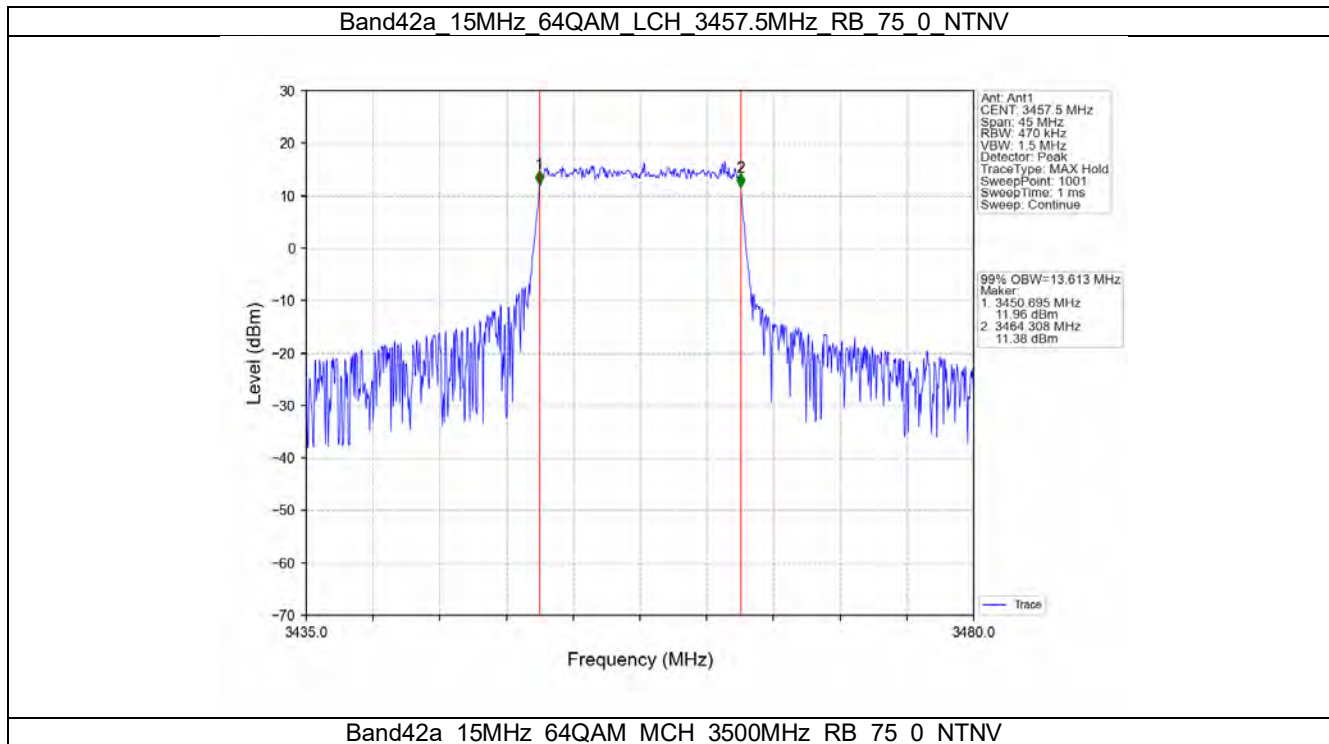
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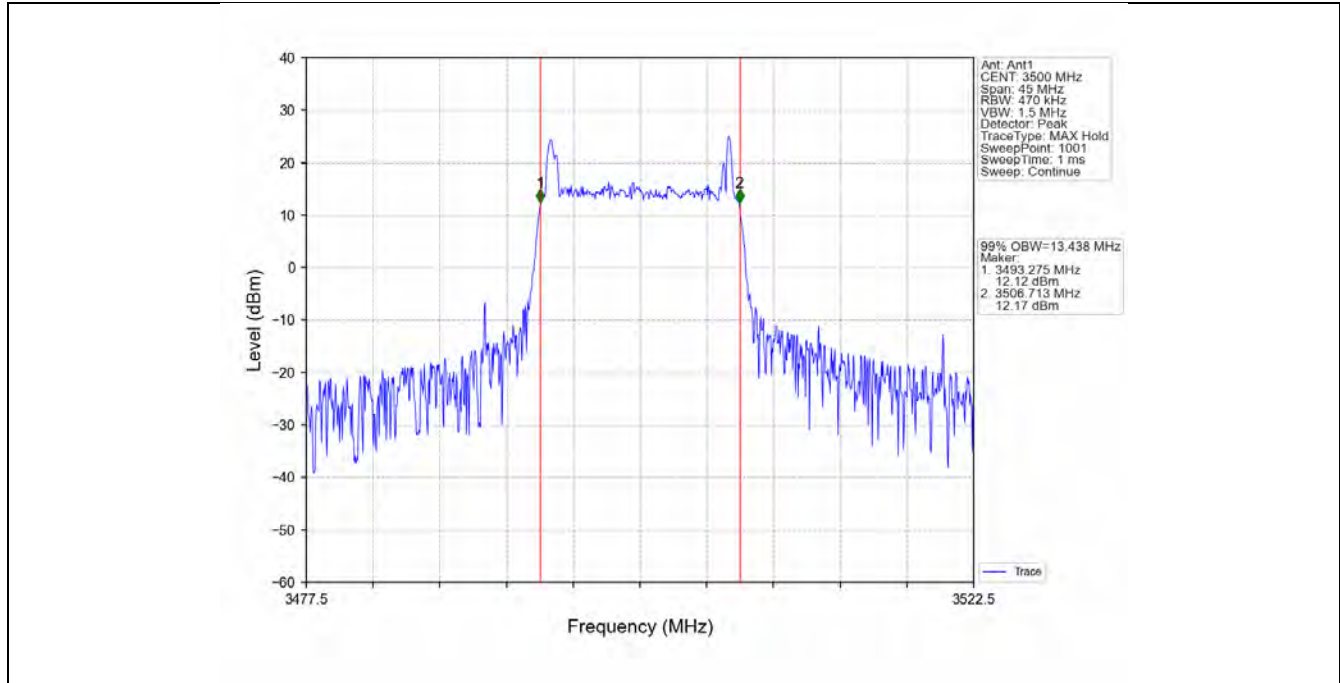


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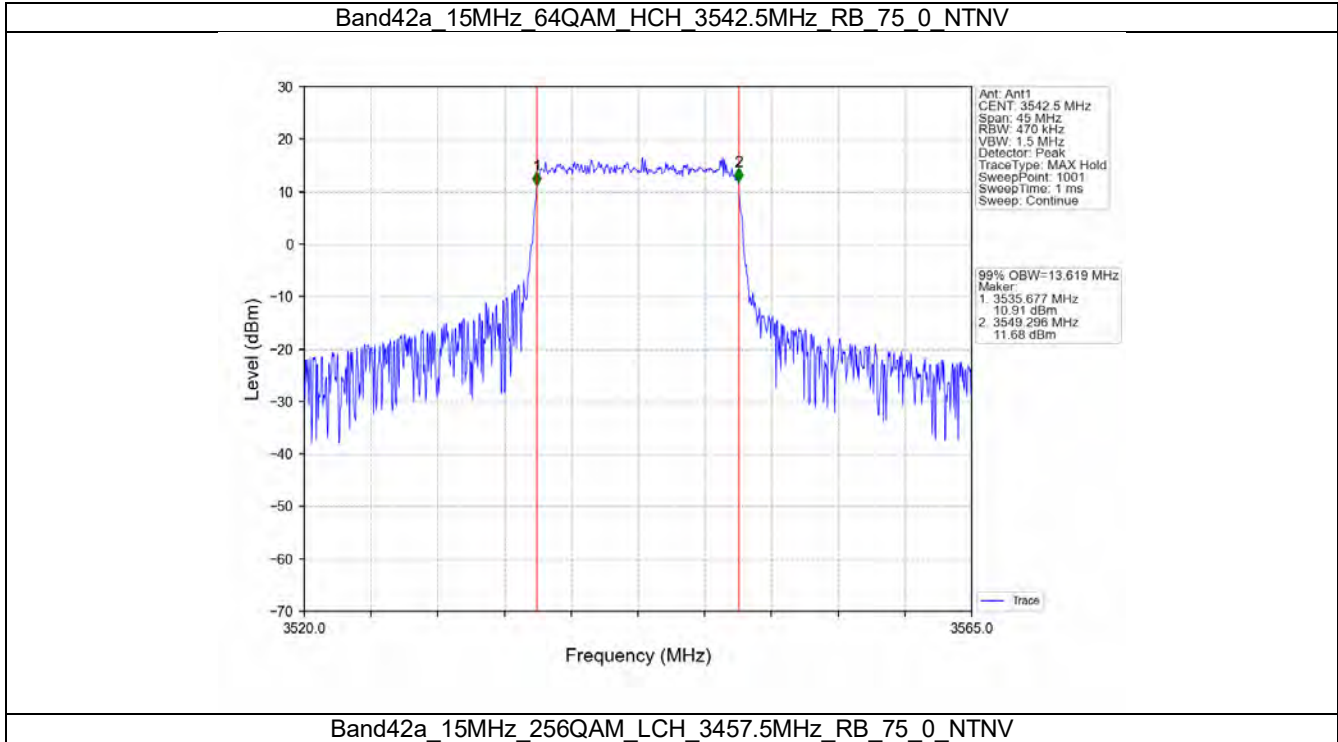


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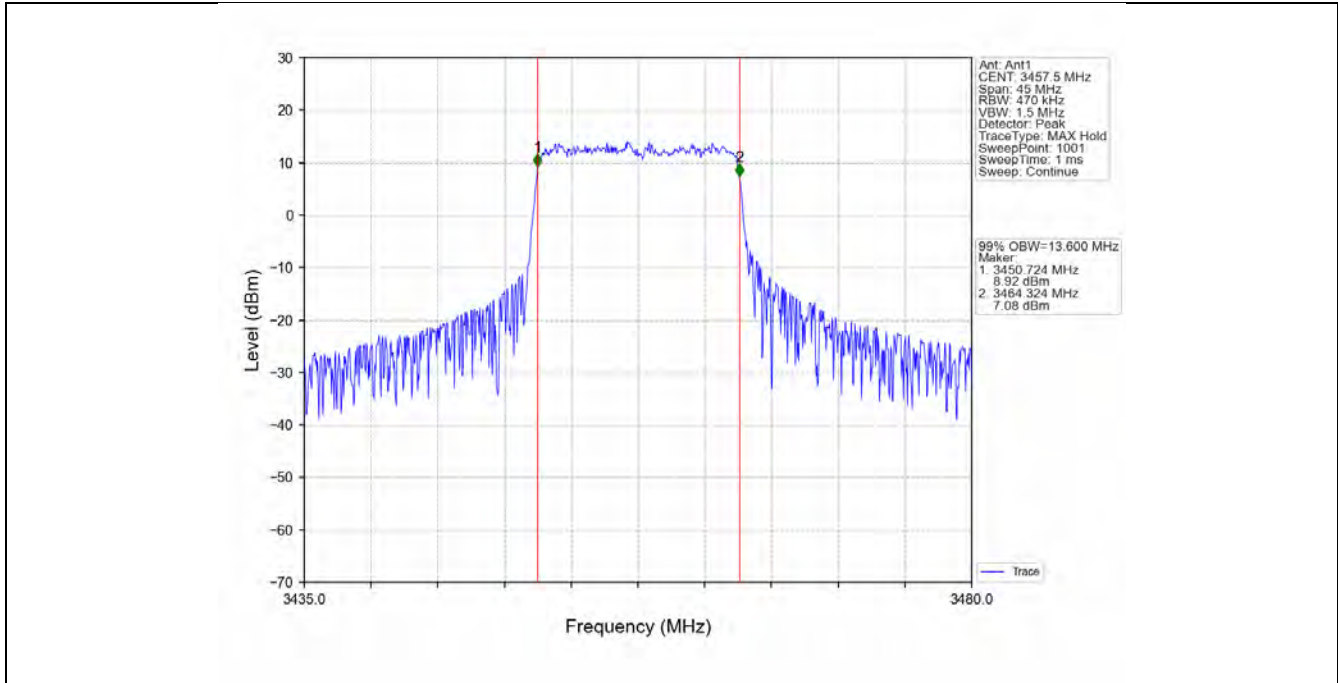


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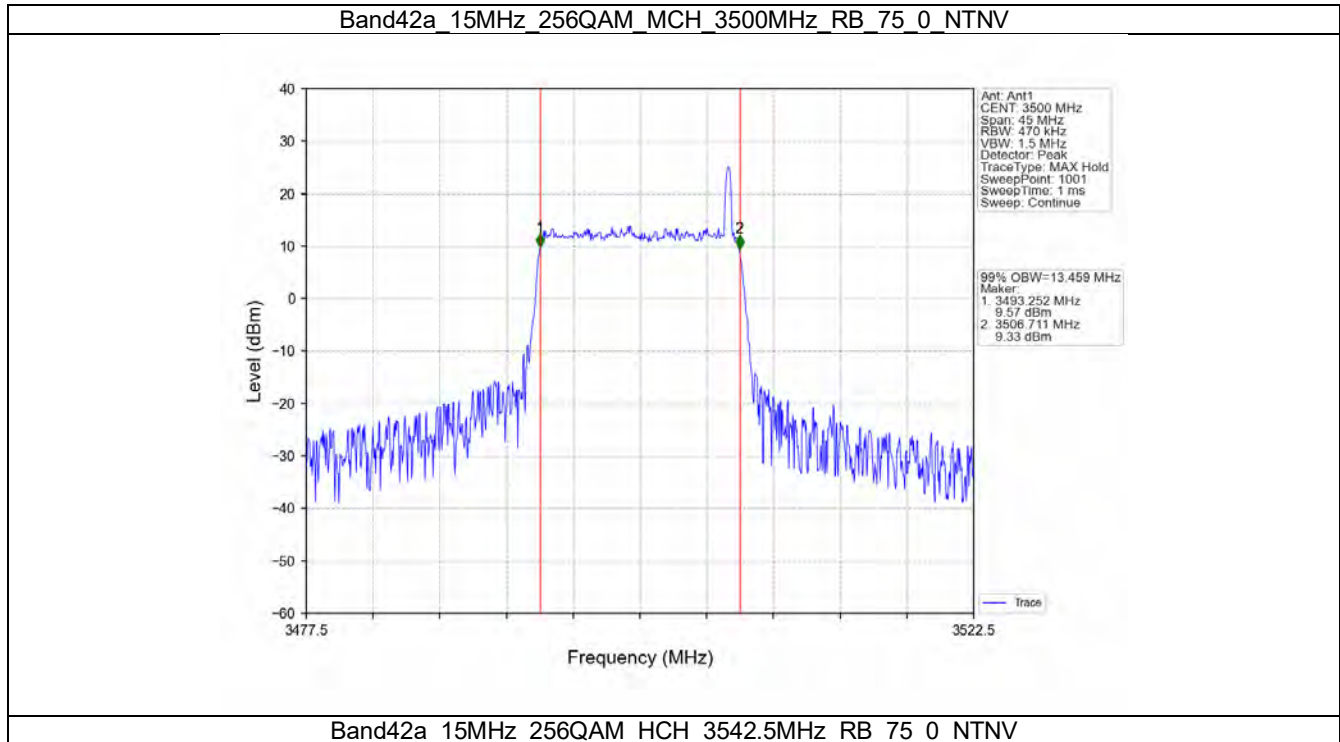


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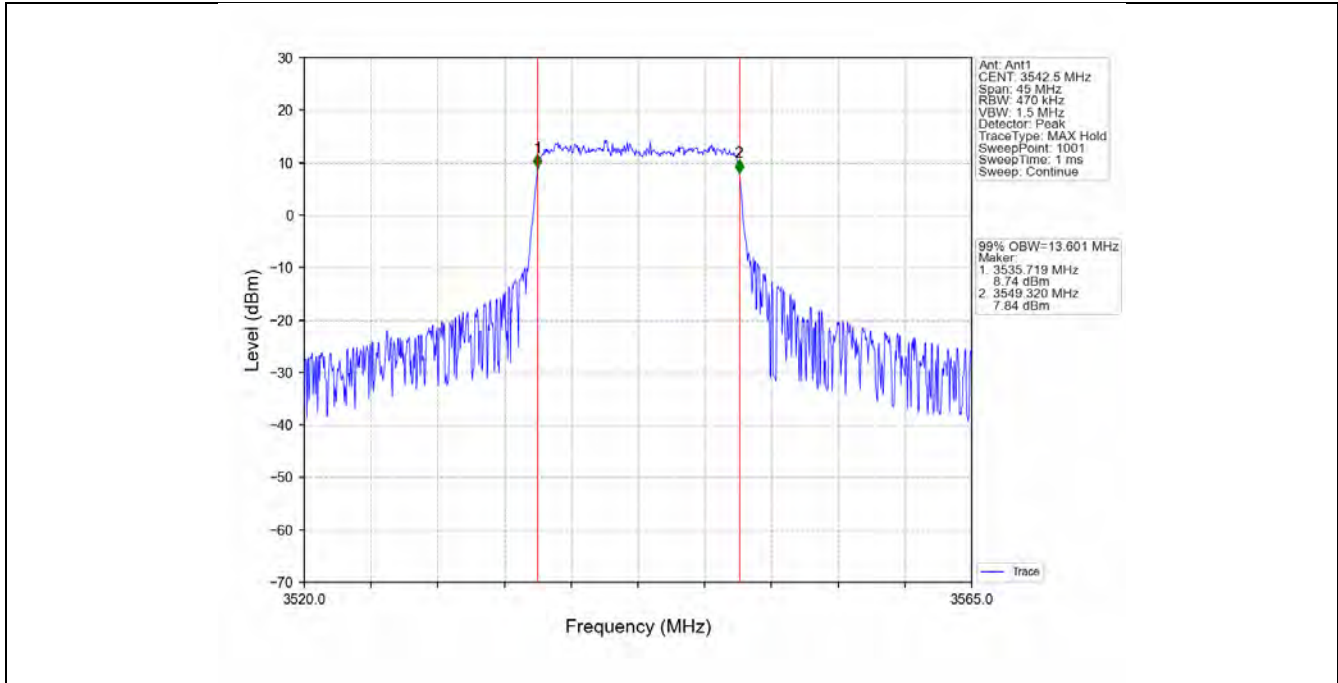


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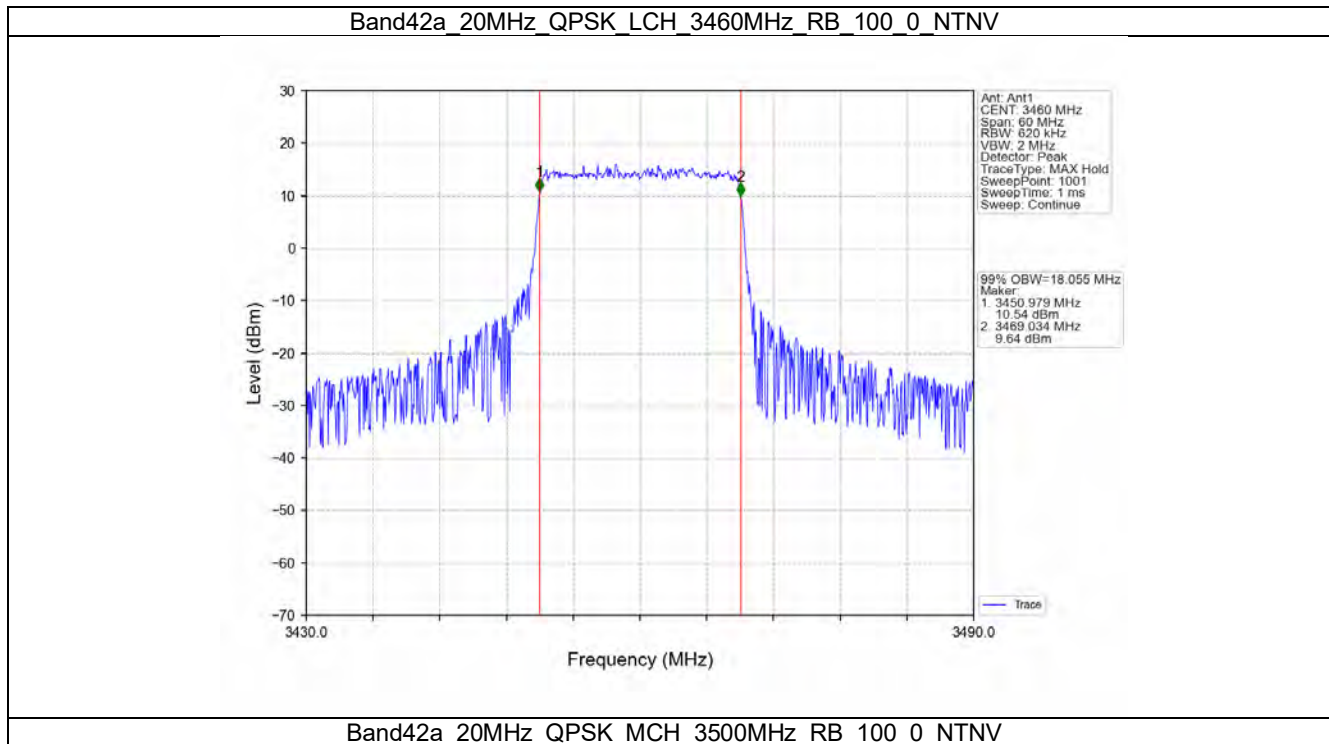
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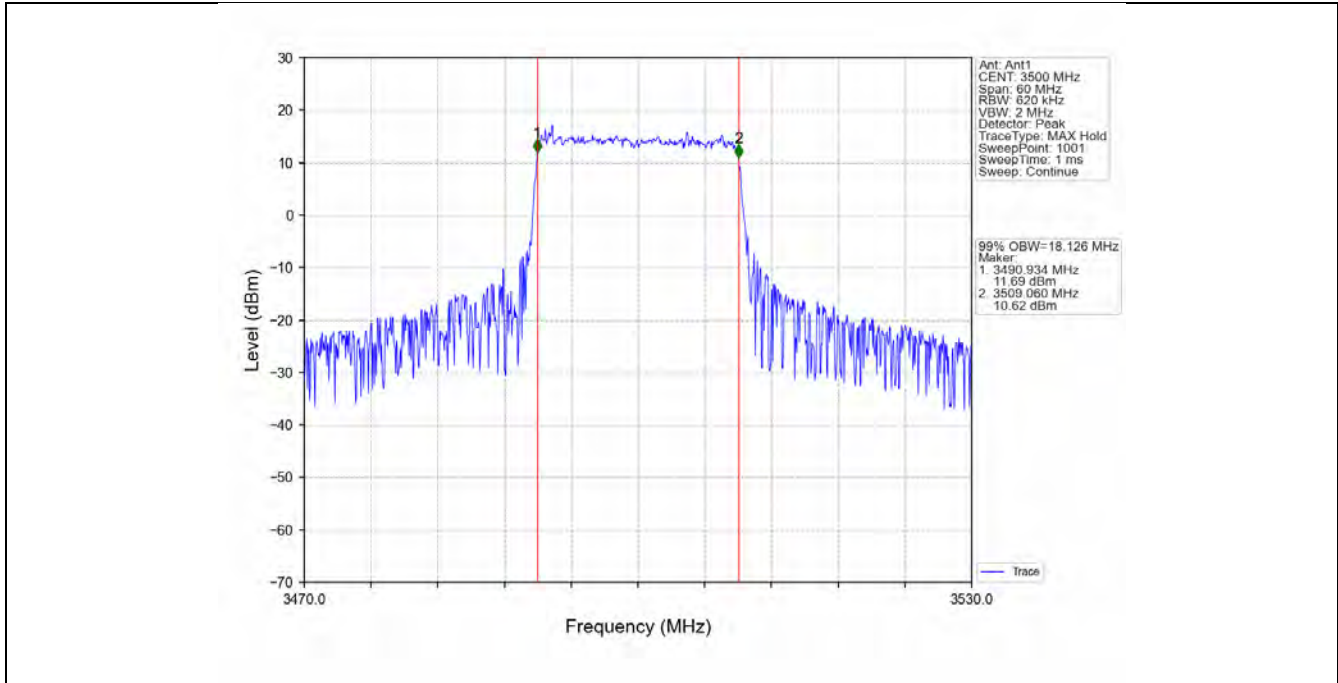


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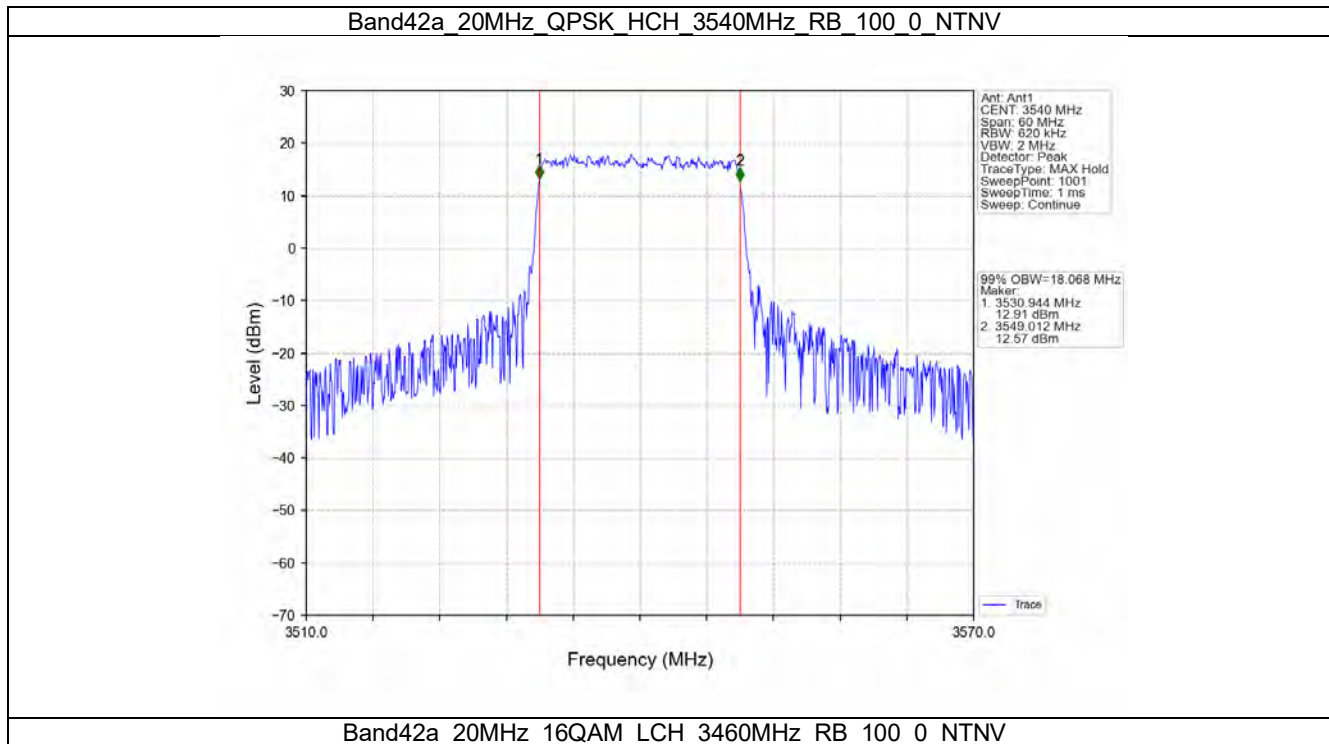
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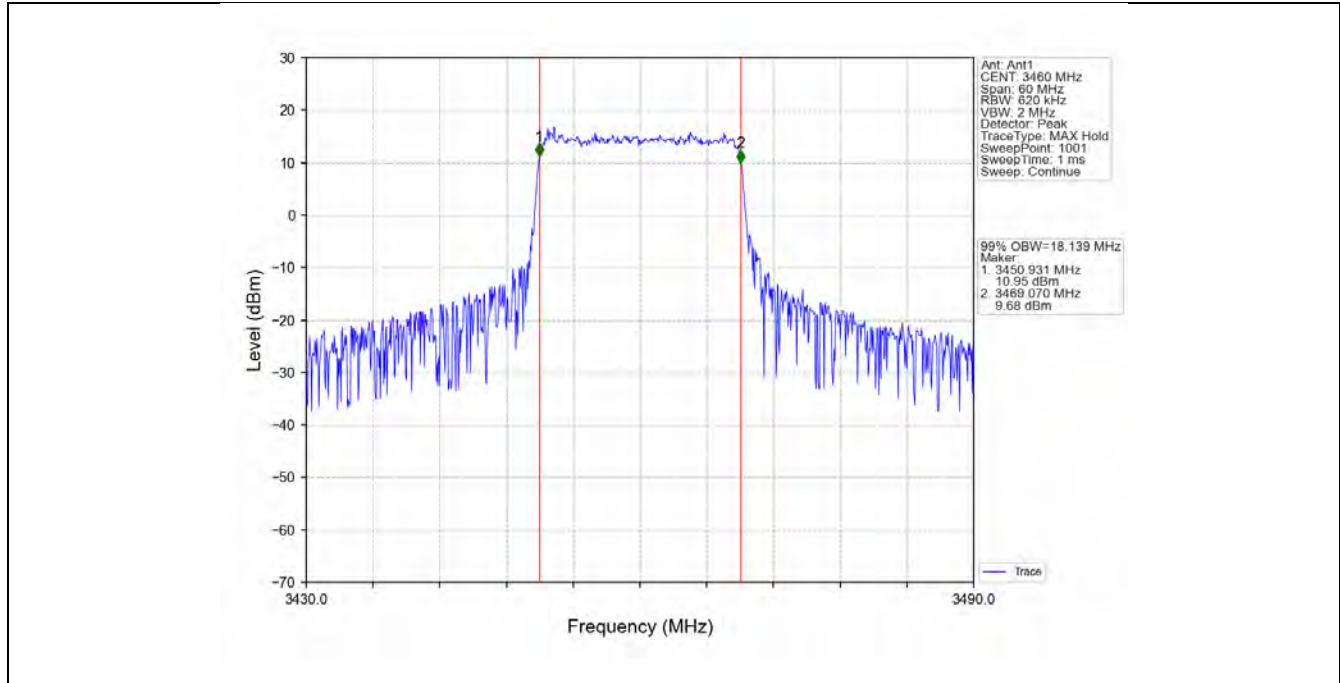


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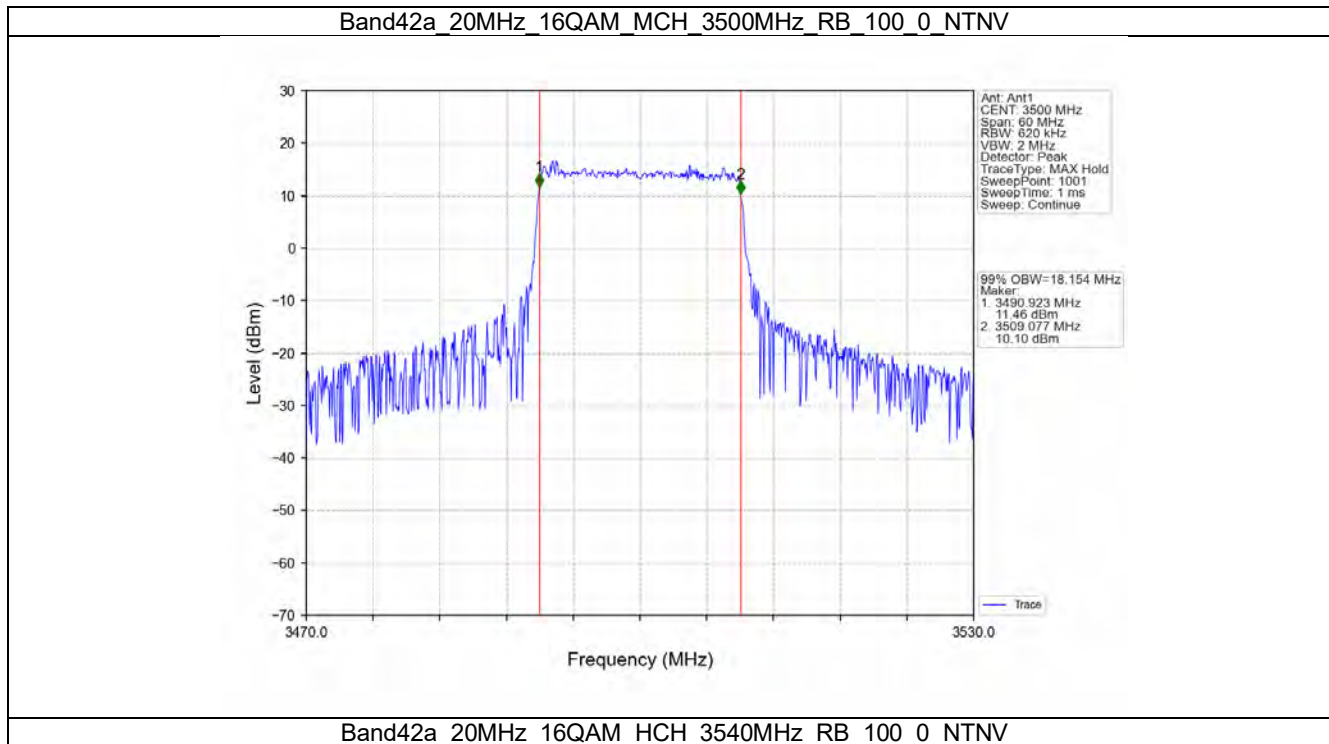
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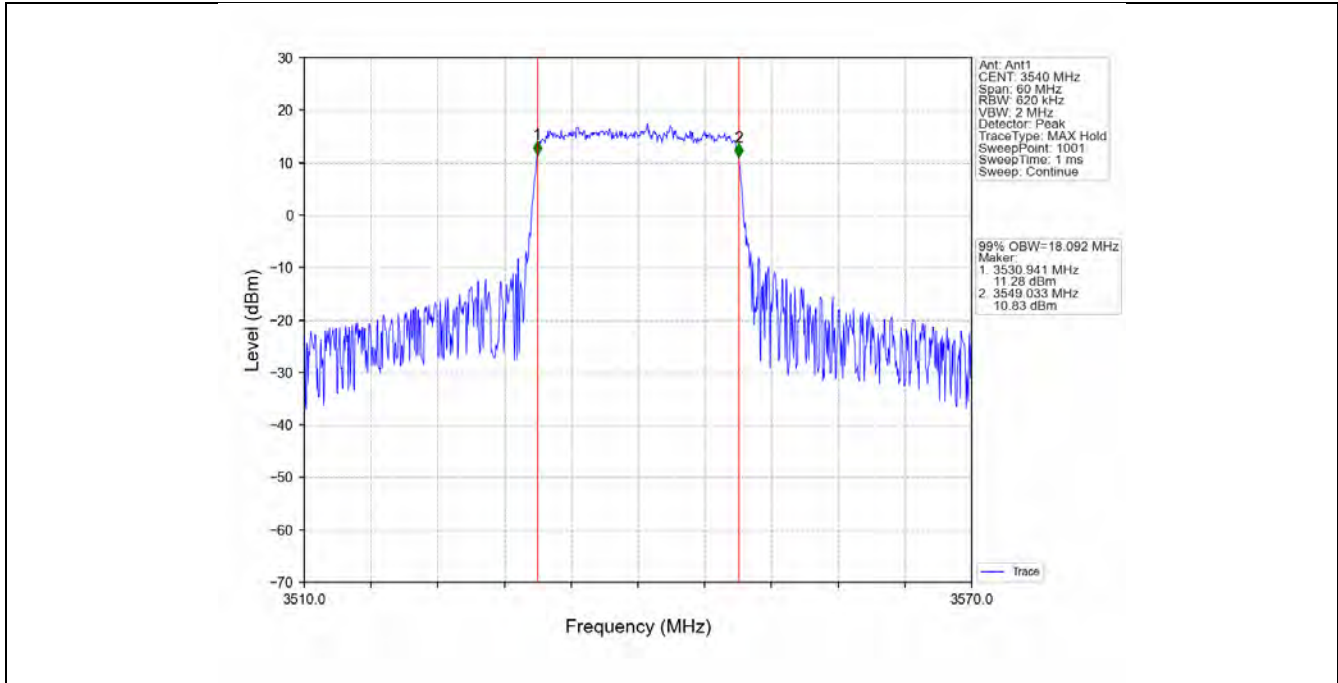


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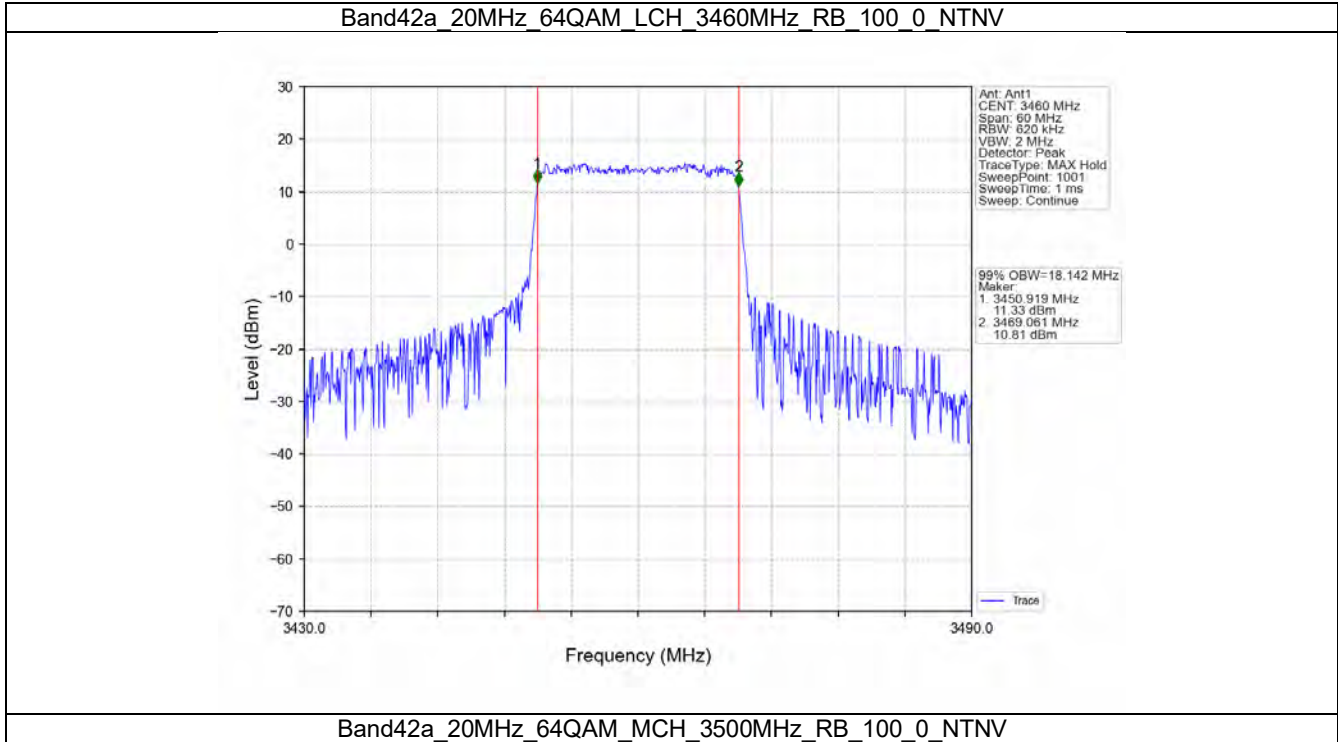


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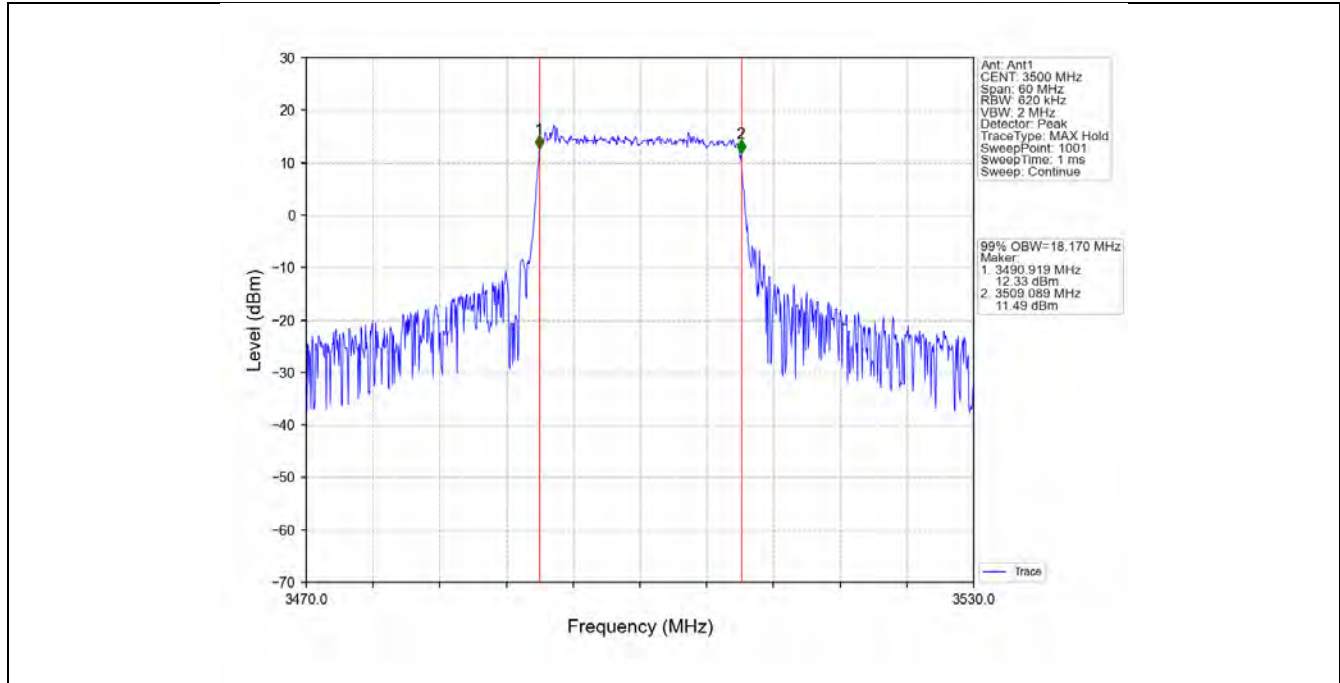


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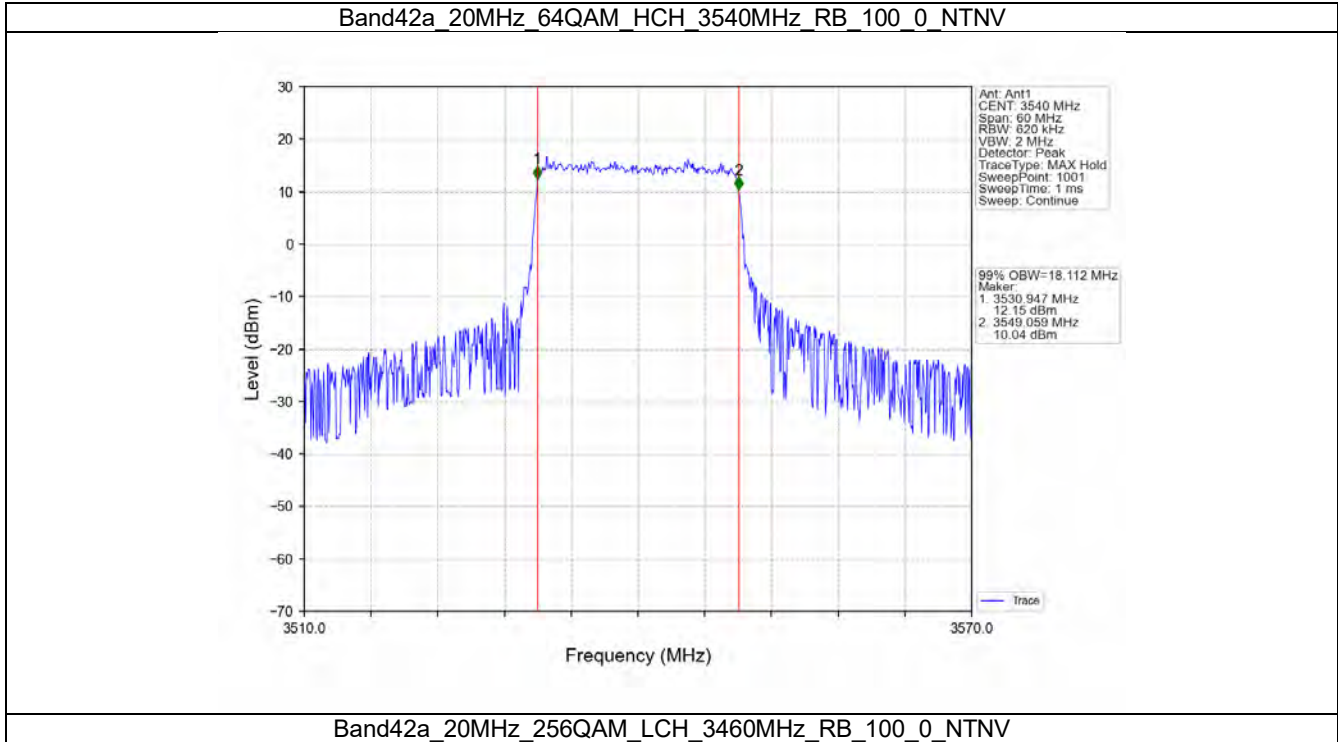


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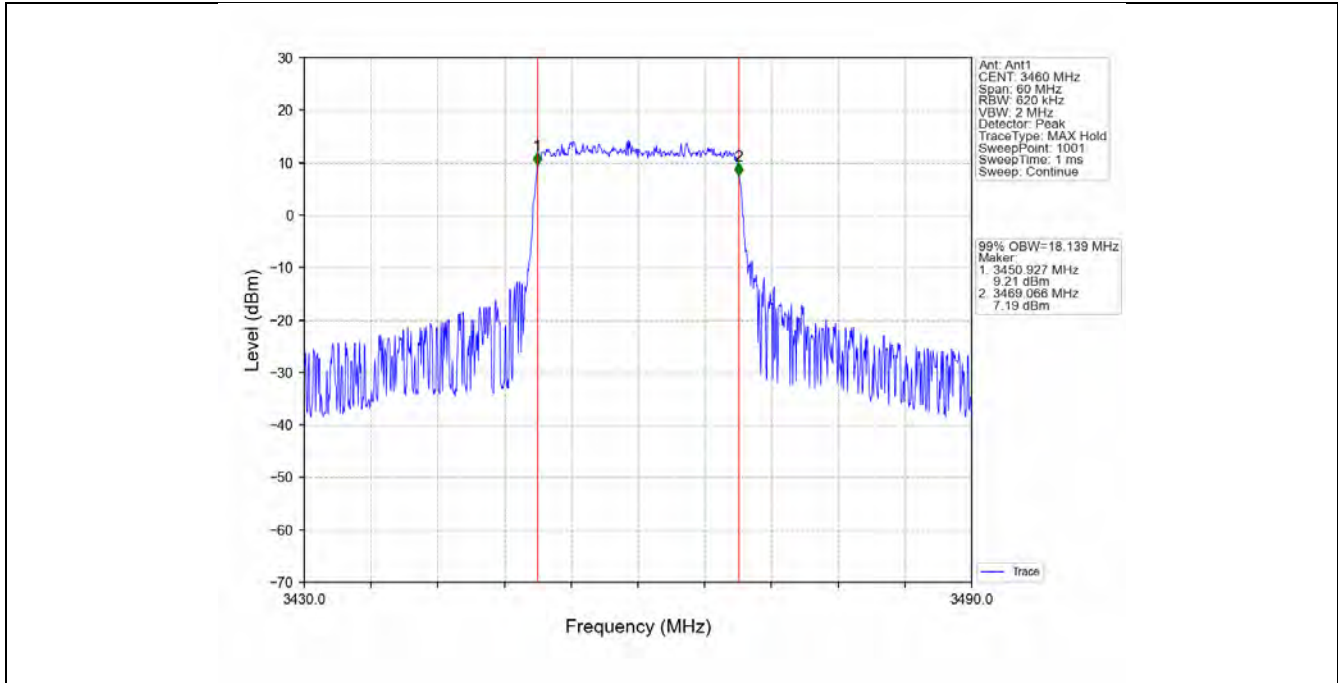


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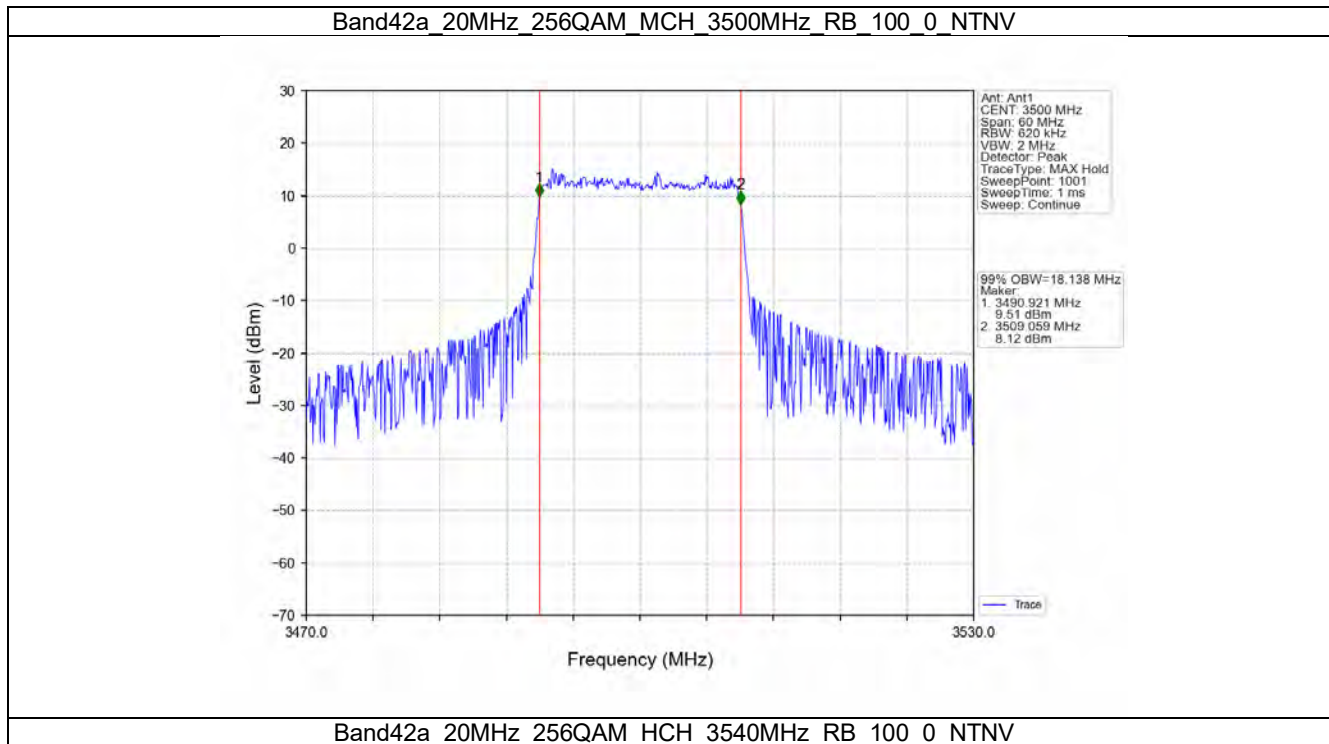
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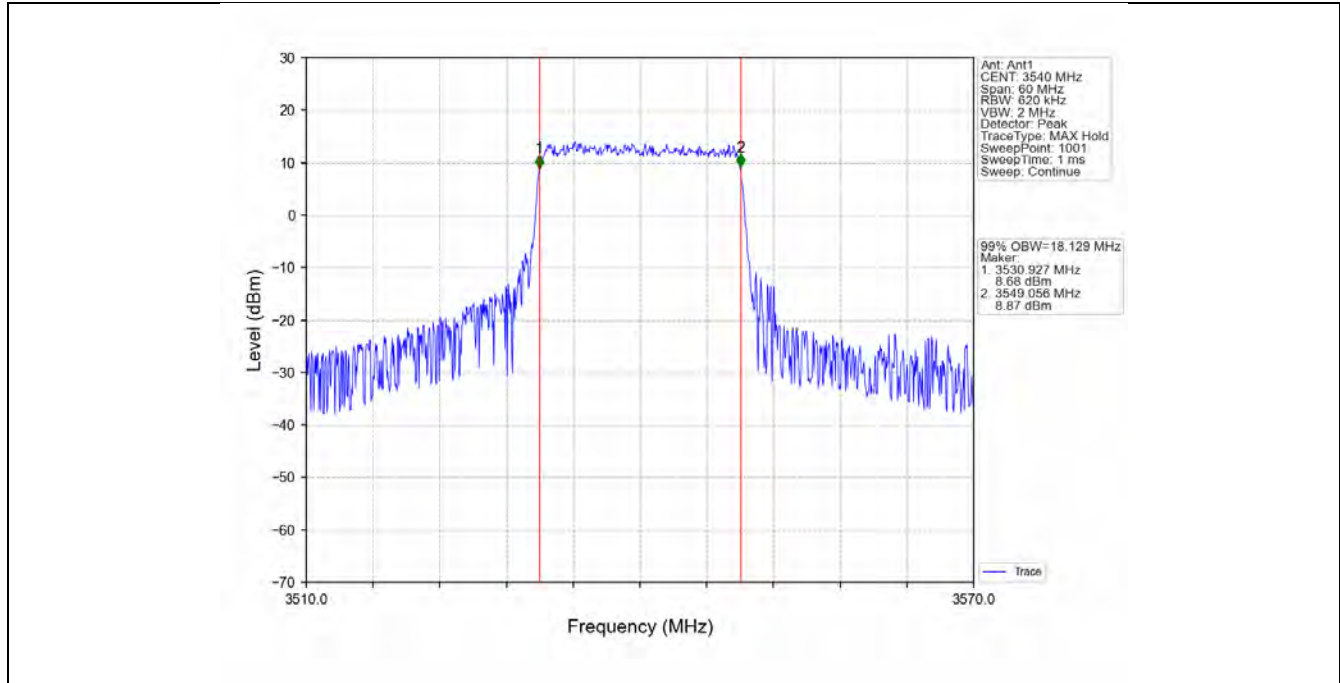


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3.2 Band42a_XDB

3.2.1 Test Result

Band: 42a / NTN							
Bandwidth (MHz)	Modulation	Frequency (MHz)	RB Allocation		26dB Bandwidth (MHz)		Verdict
			Size	Offset	Result	Limit	
5	QPSK	3452.5	25	0	5.140	/	Pass
		3500	25	0	5.198	/	Pass
		3547.5	25	0	5.165	/	Pass
	16QAM	3452.5	25	0	5.304	/	Pass
		3500	25	0	5.030	/	Pass
		3547.5	25	0	5.142	/	Pass
	64QAM	3452.5	25	0	5.040	/	Pass
		3500	25	0	5.266	/	Pass
		3547.5	25	0	5.316	/	Pass
	256QAM	3452.5	25	0	5.279	/	Pass
		3500	25	0	5.225	/	Pass
		3547.5	25	0	5.212	/	Pass
10	QPSK	3455	50	0	10.142	/	Pass
		3500	50	0	10.624	/	Pass
		3545	50	0	10.072	/	Pass
	16QAM	3455	50	0	10.633	/	Pass
		3500	50	0	10.943	/	Pass
		3545	50	0	11.080	/	Pass
	64QAM	3455	50	0	10.673	/	Pass
		3500	50	0	10.512	/	Pass
		3545	50	0	11.072	/	Pass
	256QAM	3455	50	0	10.585	/	Pass
		3500	50	0	10.016	/	Pass
		3545	50	0	10.480	/	Pass
15	QPSK	3457.5	75	0	16.633	/	Pass
		3500	75	0	14.562	/	Pass
		3542.5	75	0	15.682	/	Pass
	16QAM	3457.5	75	0	14.556	/	Pass
		3500	75	0	14.488	/	Pass
		3542.5	75	0	16.400	/	Pass
	64QAM	3457.5	75	0	16.043	/	Pass
		3500	75	0	14.377	/	Pass
		3542.5	75	0	16.233	/	Pass
	256QAM	3457.5	75	0	16.927	/	Pass
		3500	75	0	14.176	/	Pass
		3542.5	75	0	16.467	/	Pass
20	QPSK	3460	100	0	20.994	/	Pass
		3500	100	0	21.323	/	Pass



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		3540	100	0	20.786	/	Pass
	16QAM	3460	100	0	20.839	/	Pass
		3500	100	0	21.404	/	Pass
		3540	100	0	21.725	/	Pass
	64QAM	3460	100	0	21.551	/	Pass
		3500	100	0	21.498	/	Pass
		3540	100	0	20.925	/	Pass
	256QAM	3460	100	0	20.567	/	Pass
		3500	100	0	21.727	/	Pass
		3540	100	0	21.805	/	Pass



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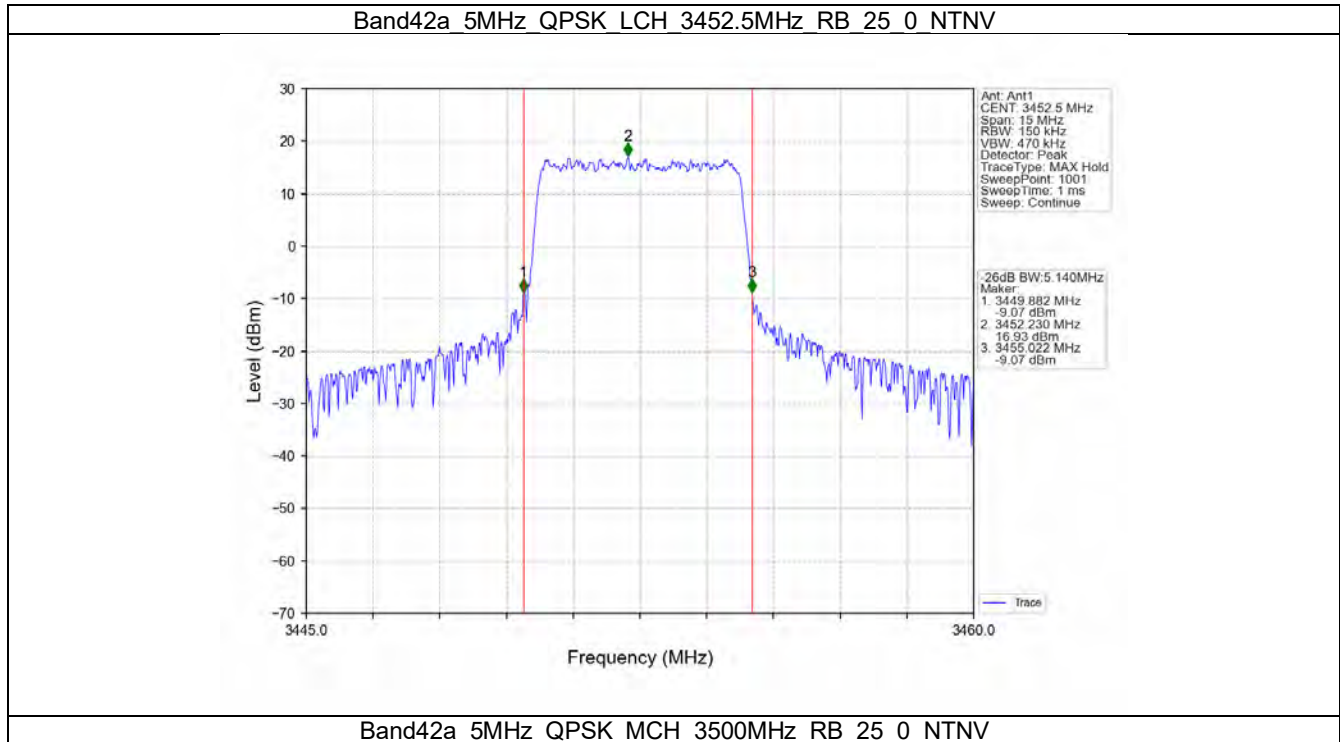
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3.2.2 Test Graph



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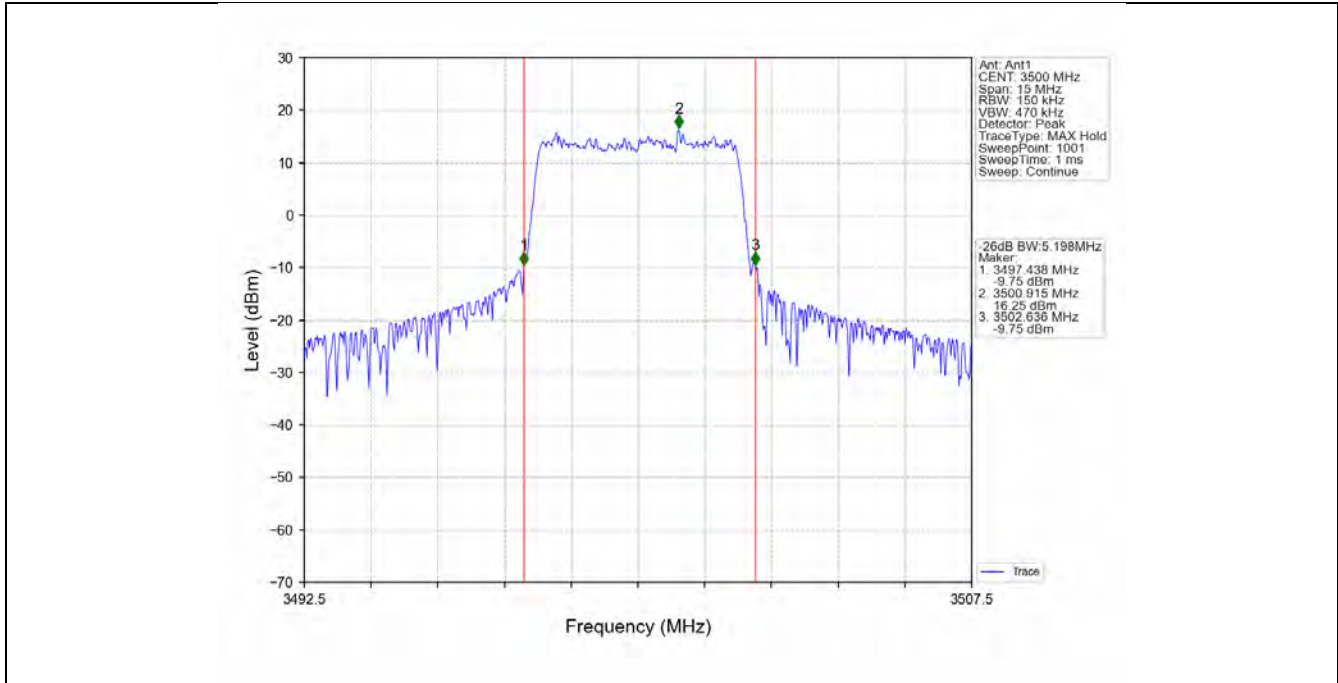


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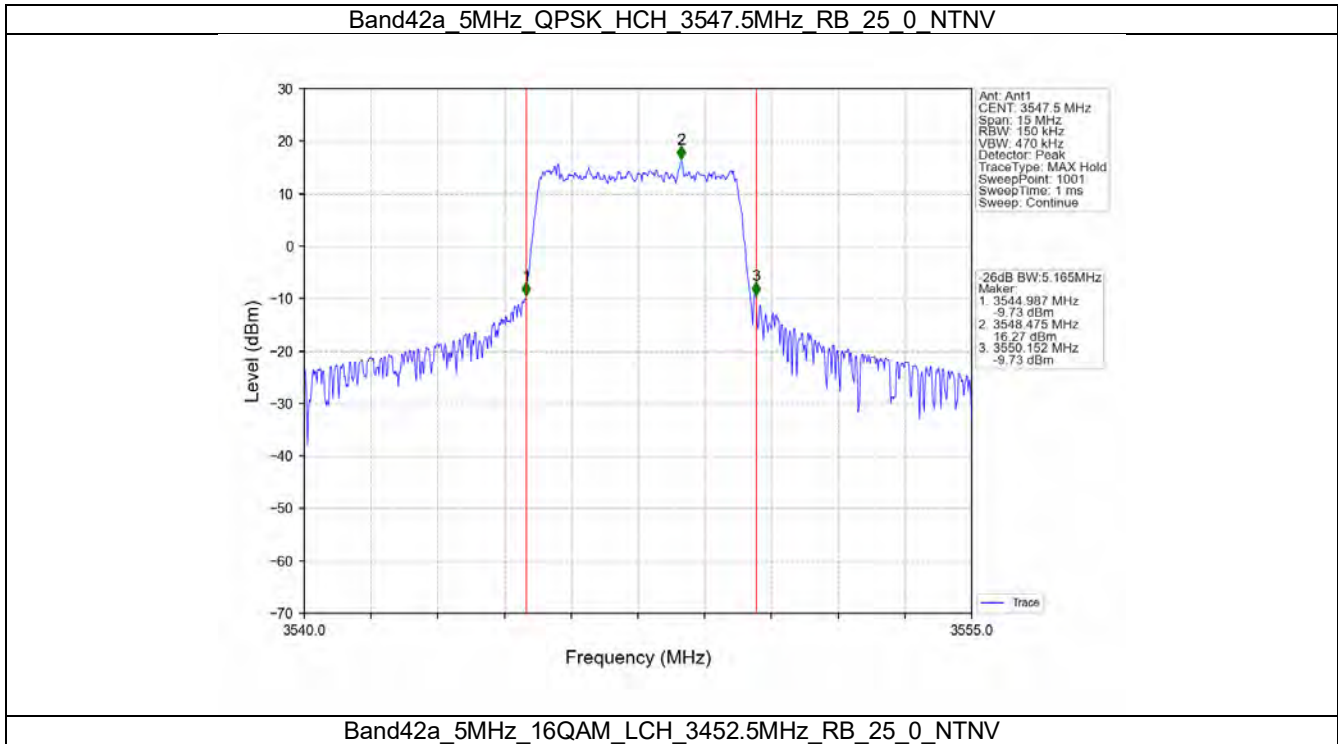


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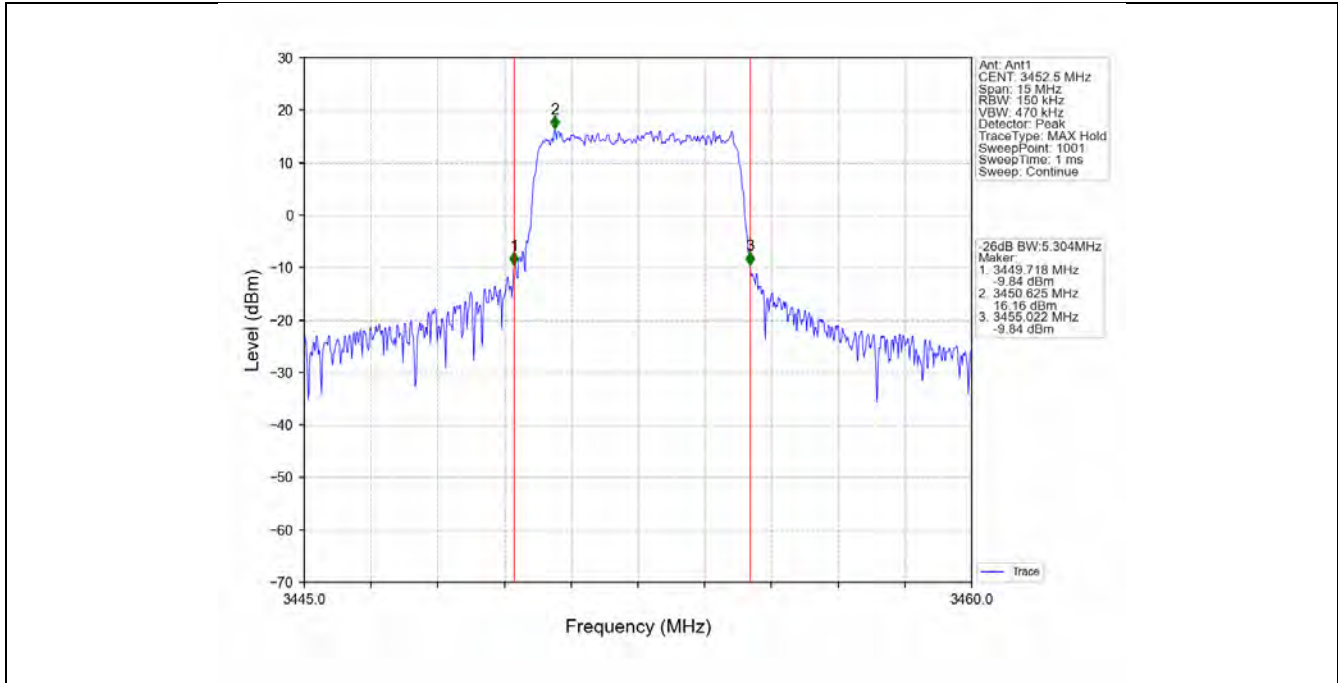


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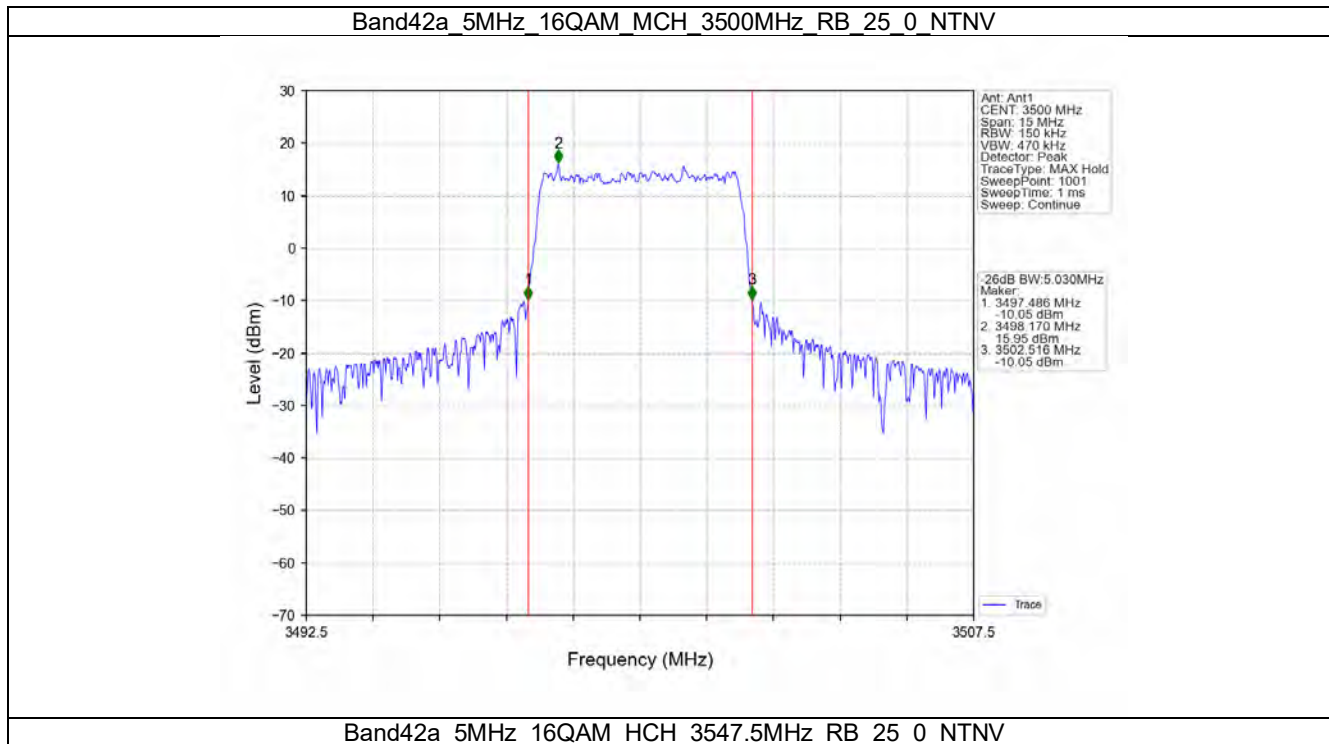
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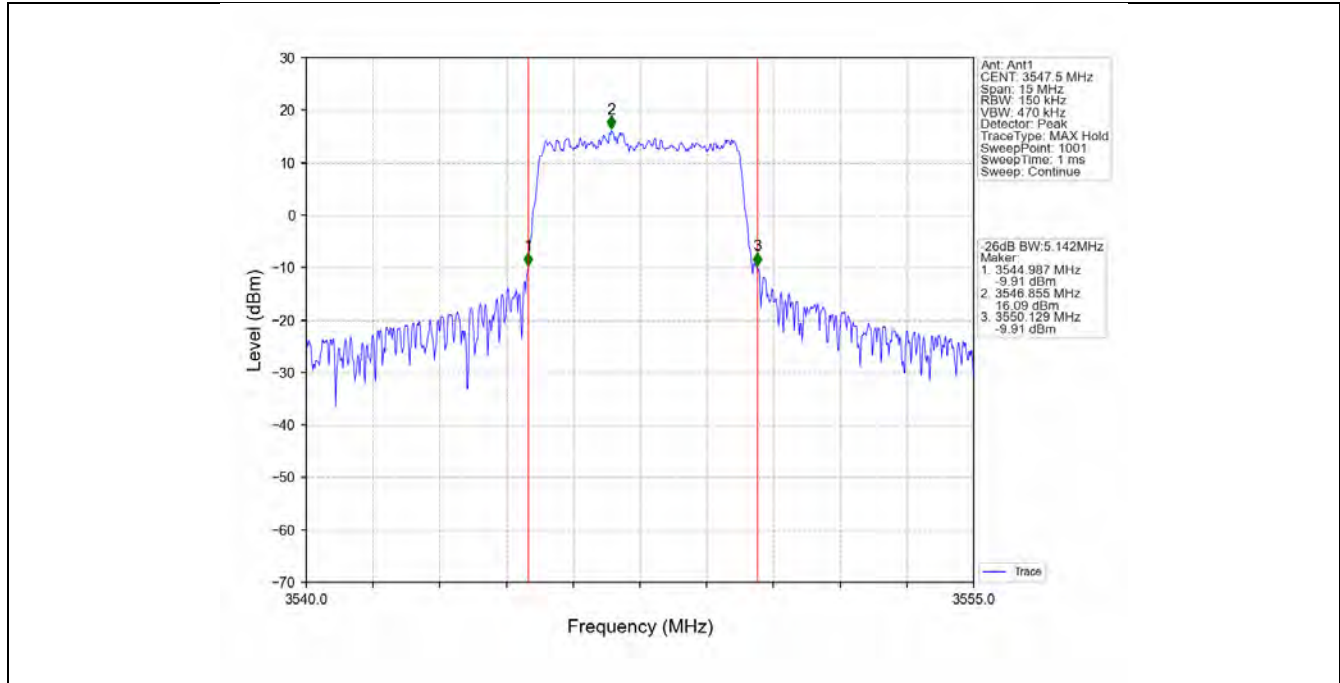


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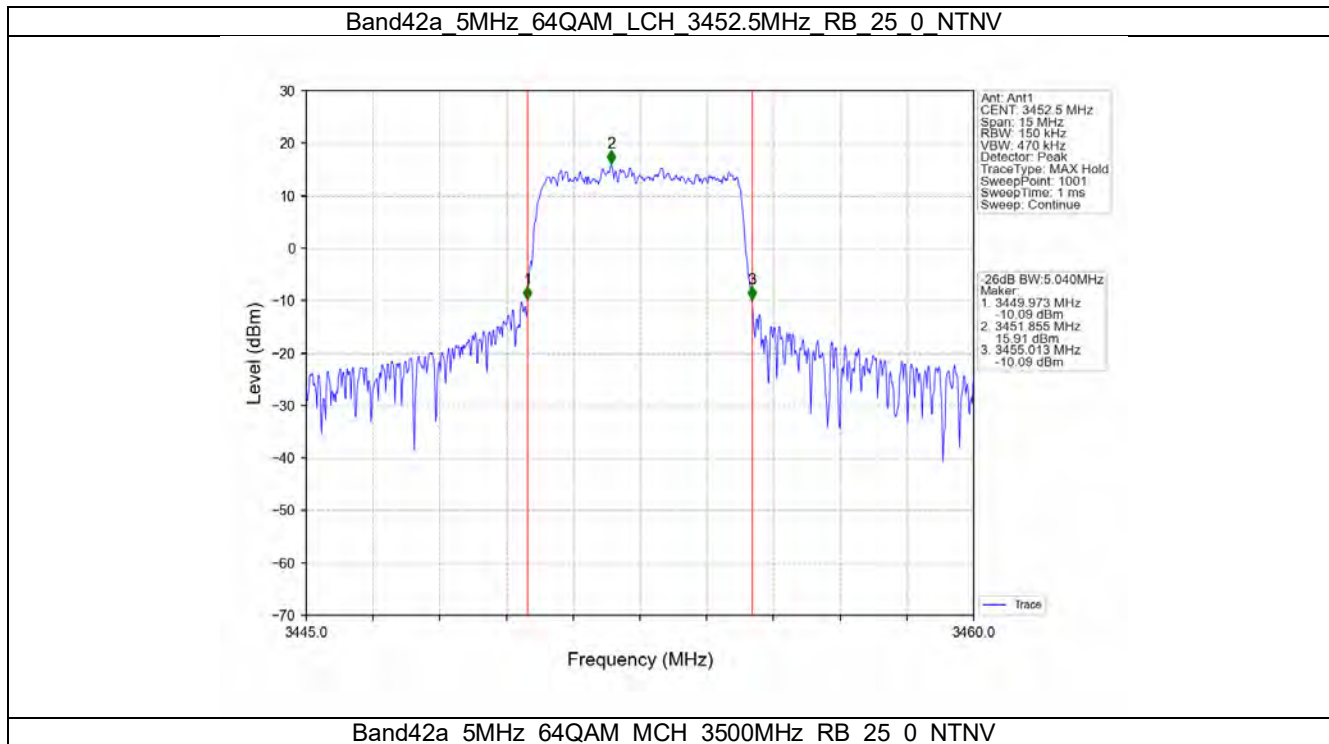
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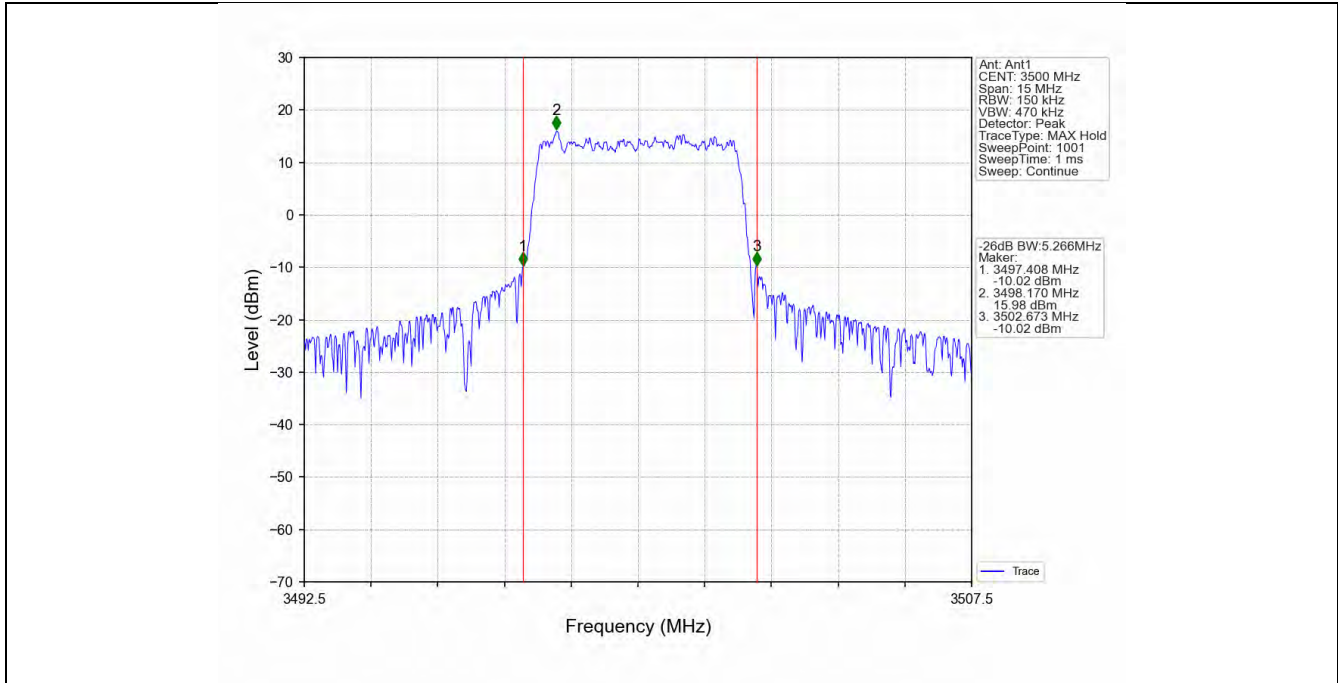


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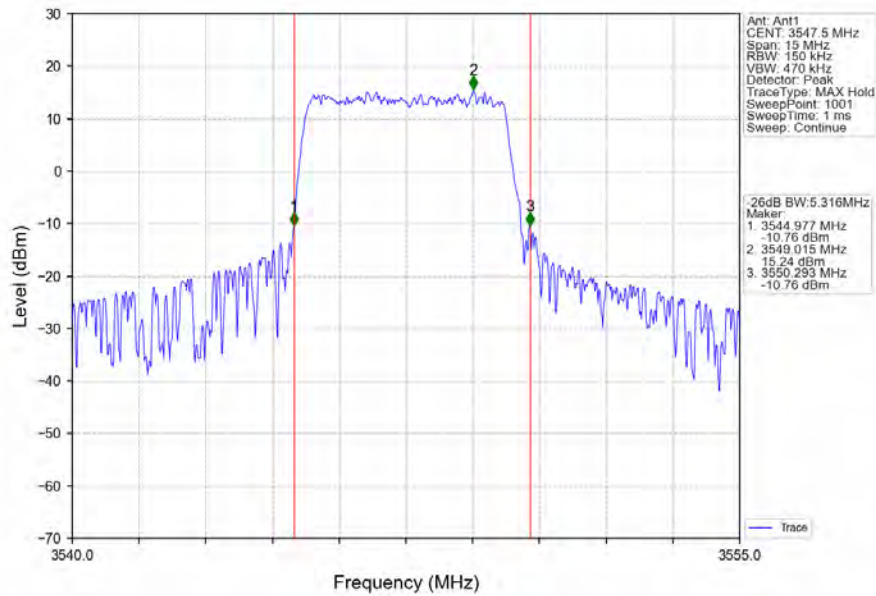
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Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



Band42a_5MHz_256QAM_LCH_3452.5MHz_RB_25_0_NTNV



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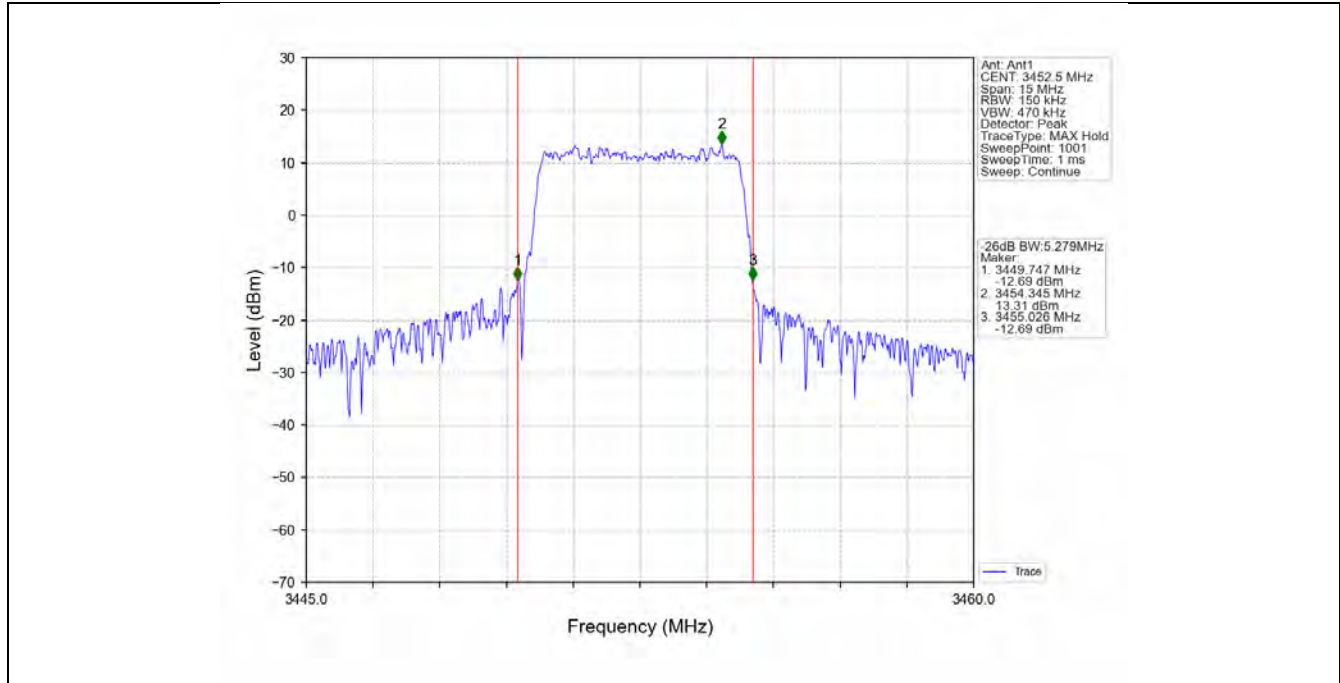


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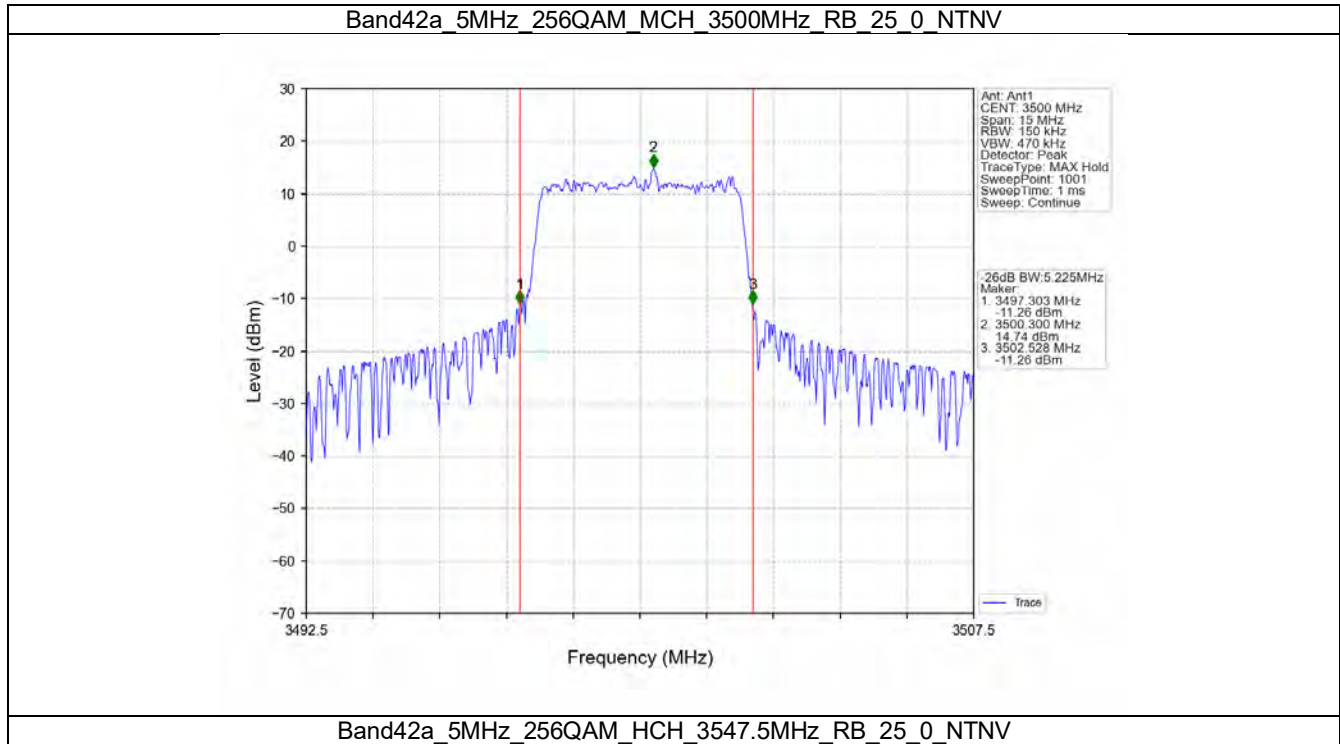


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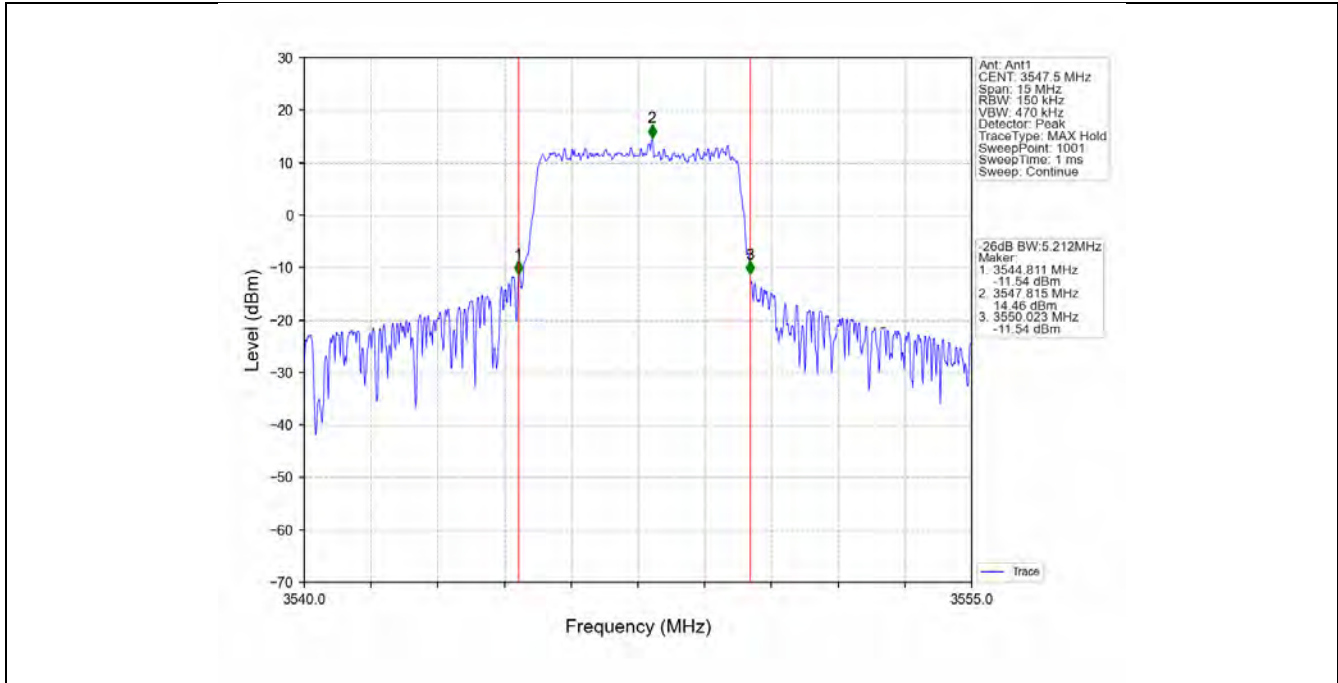


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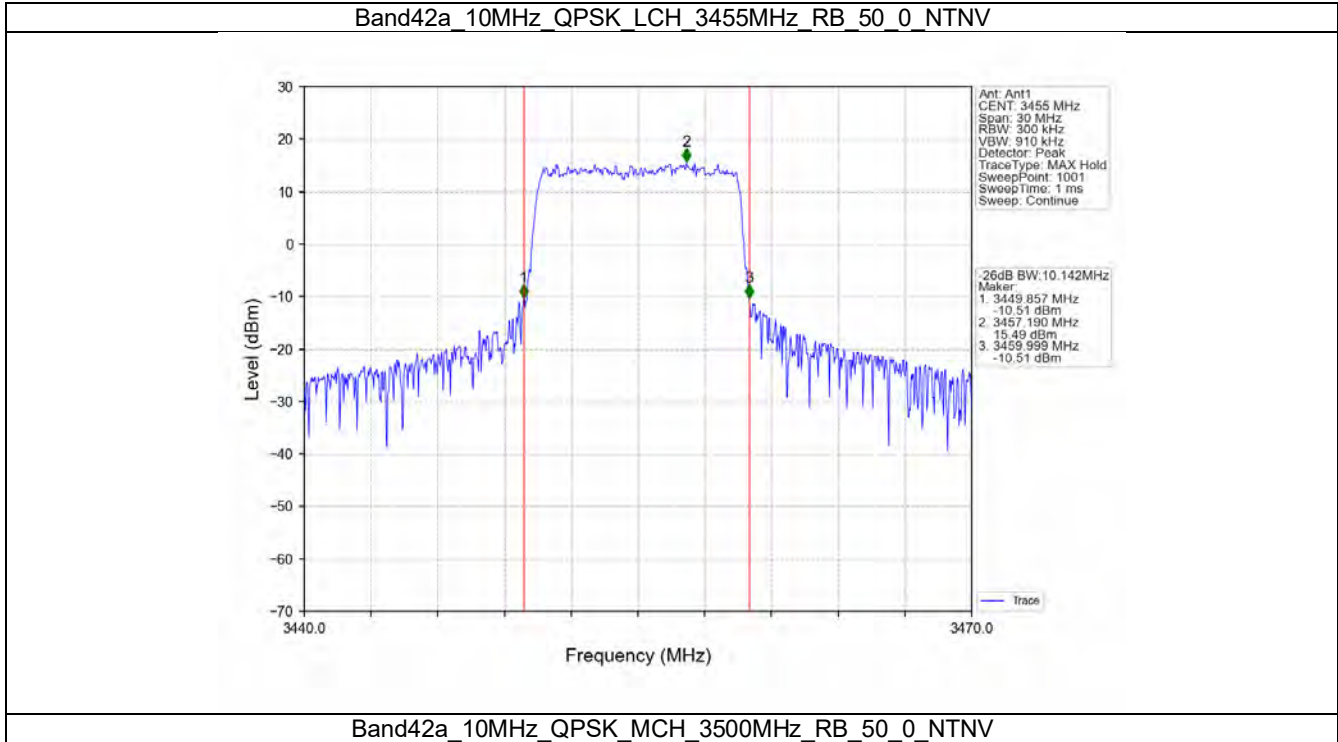


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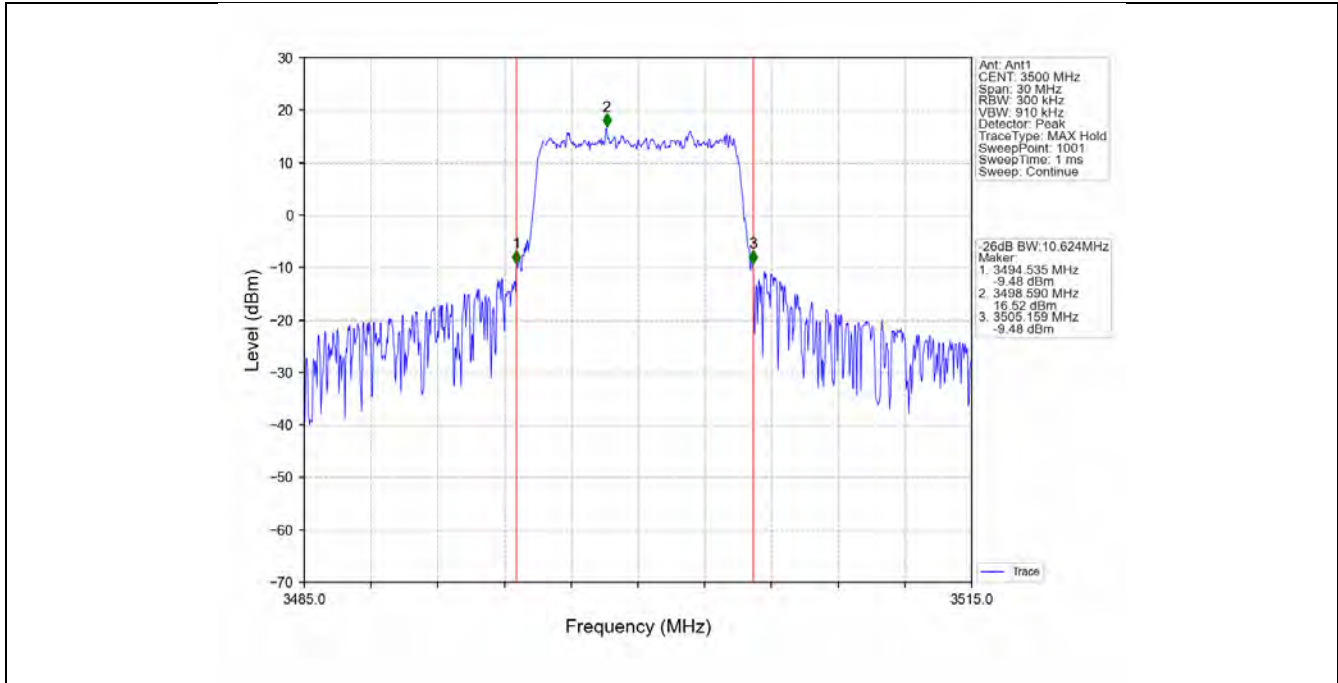


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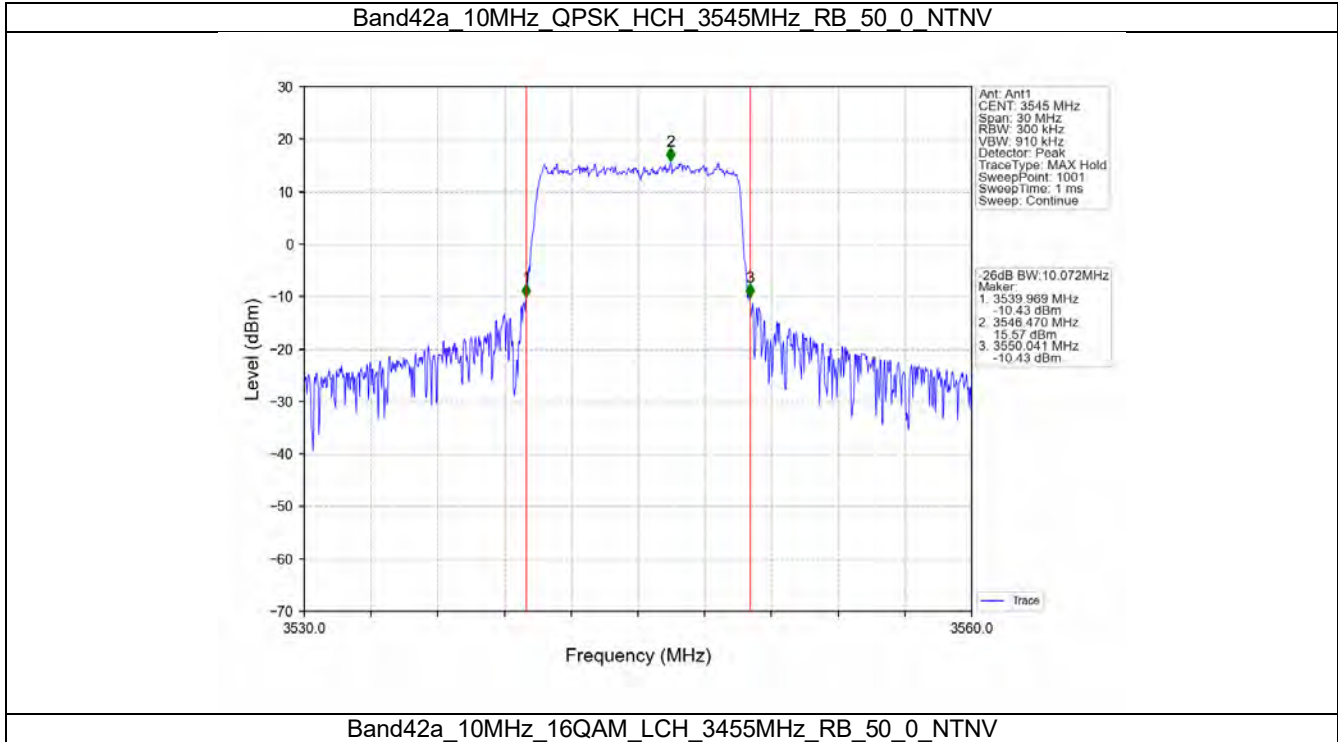


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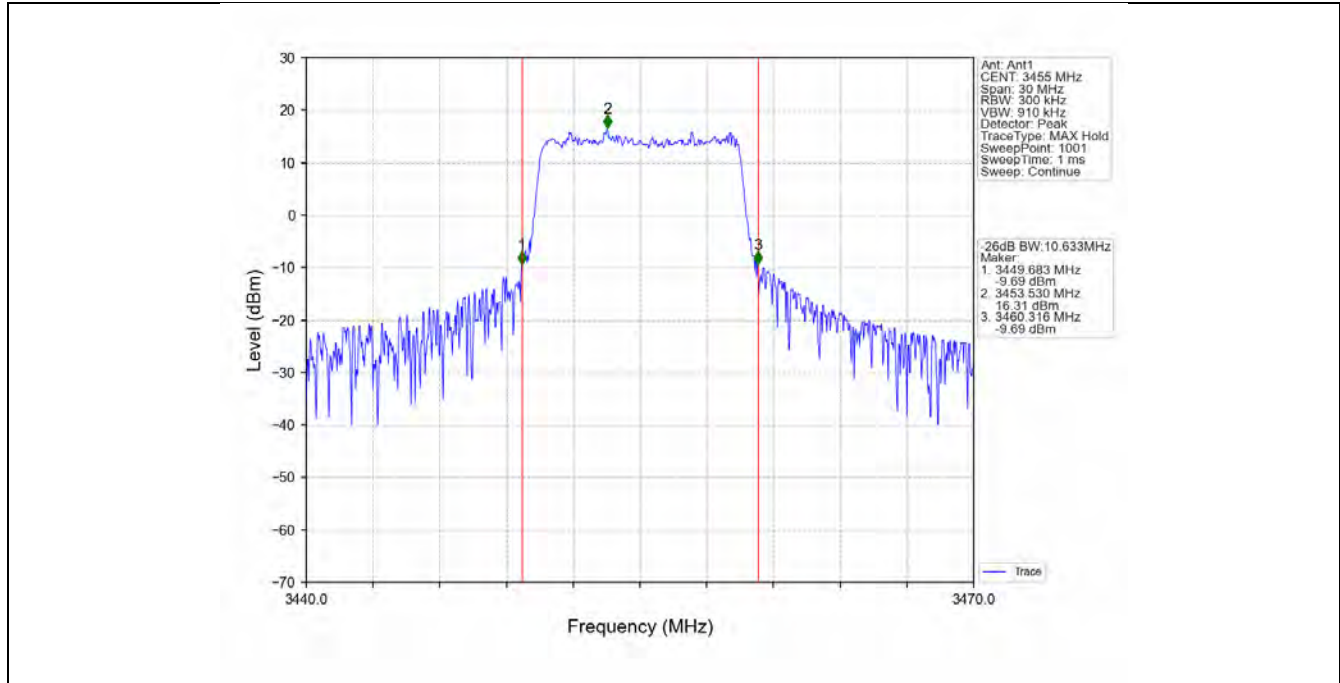


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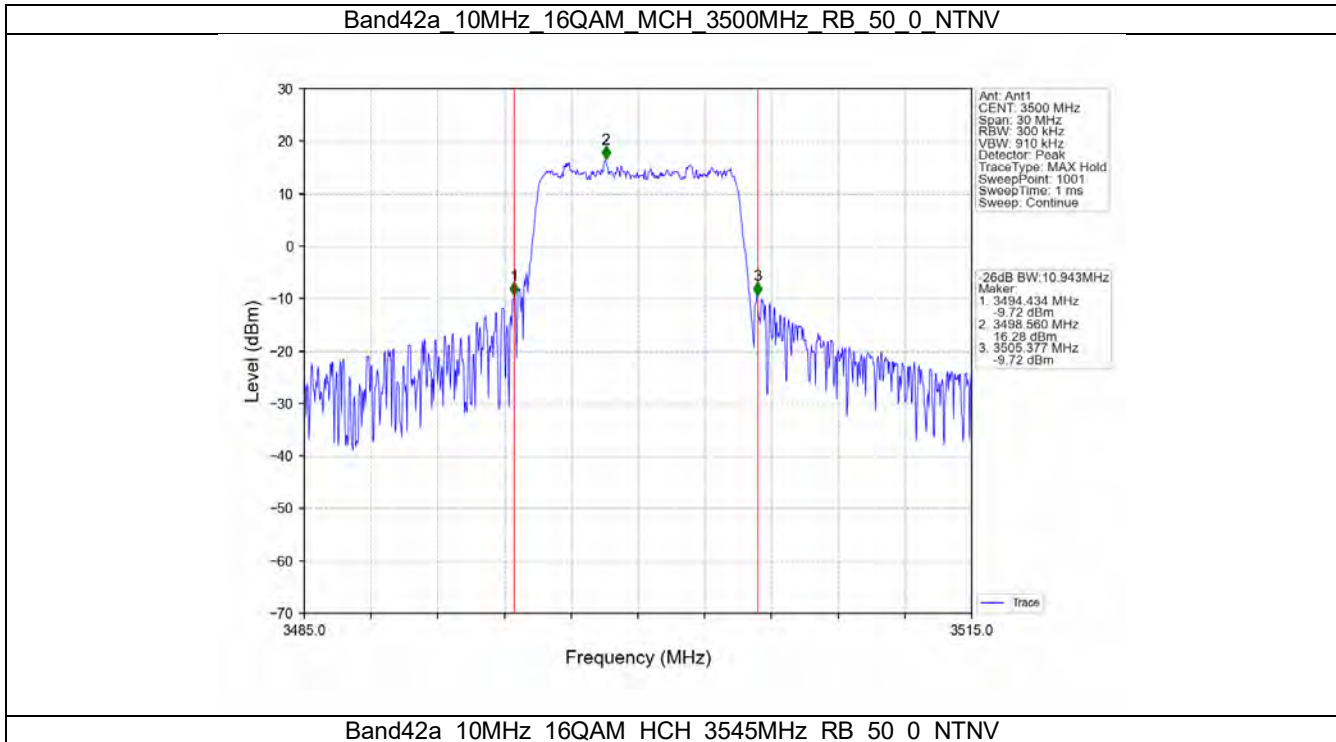


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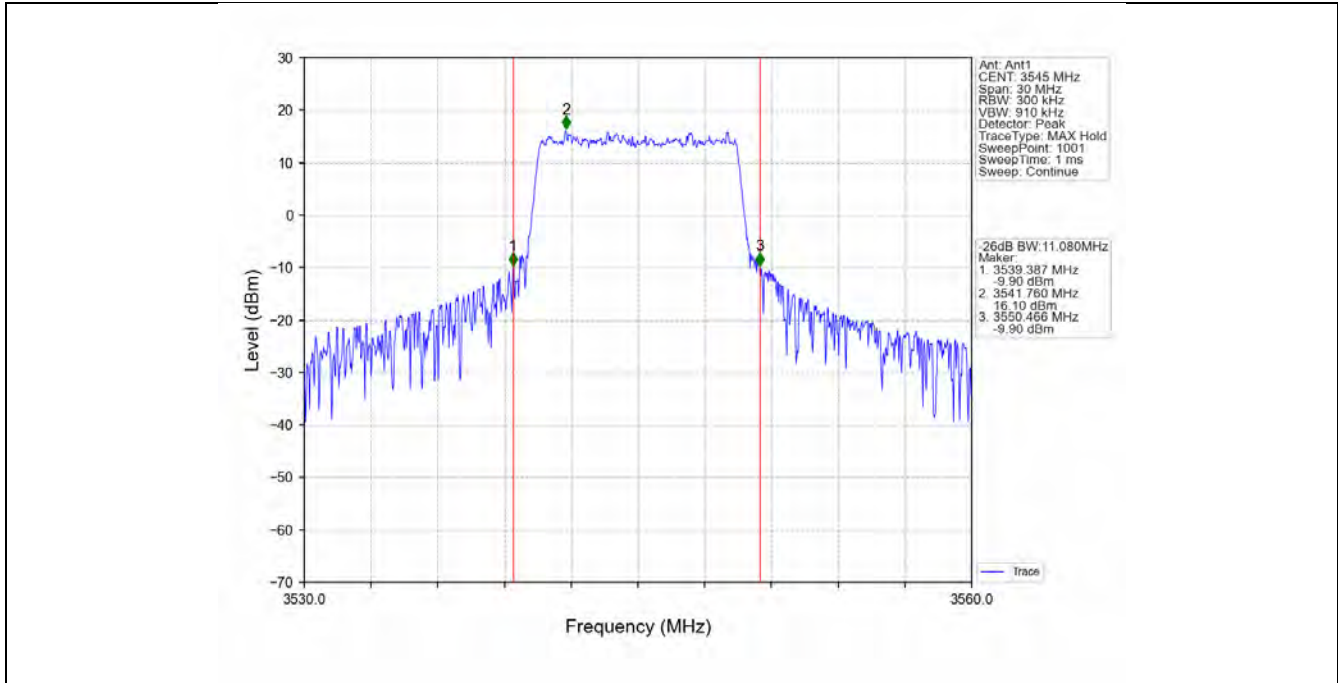


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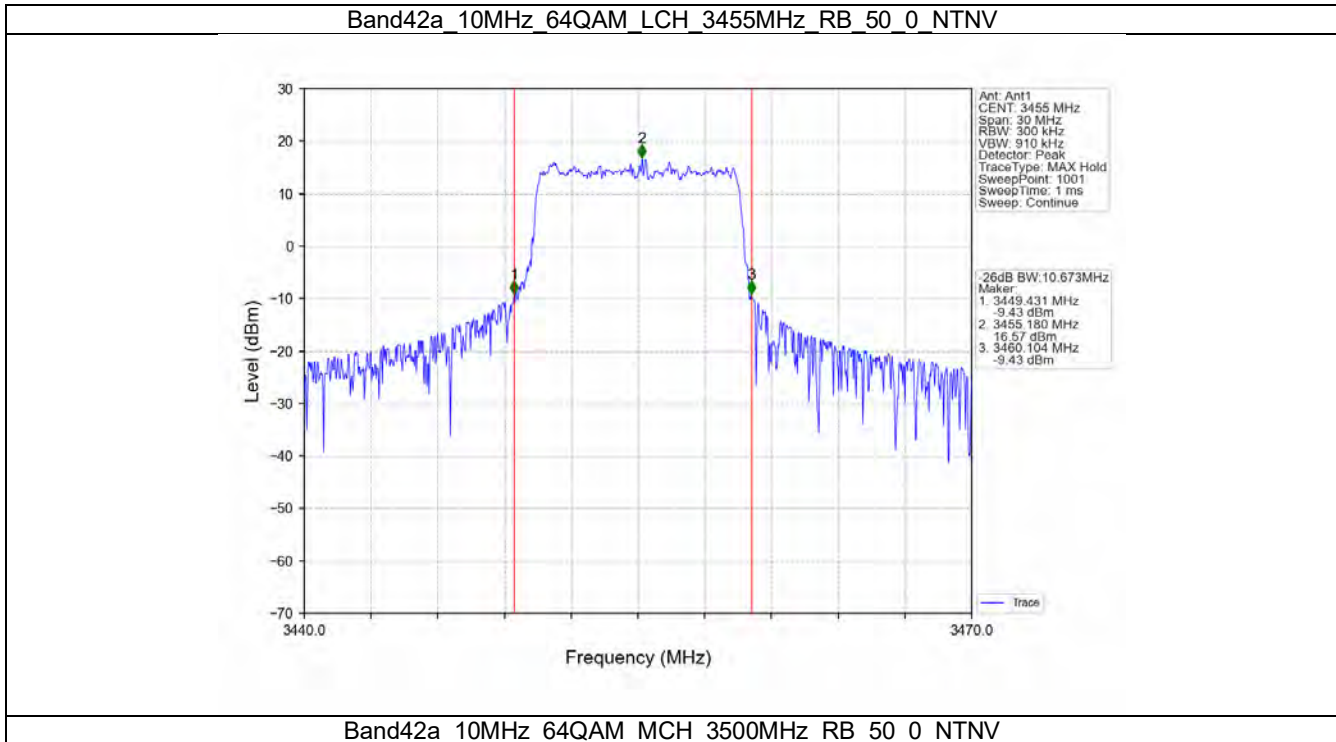


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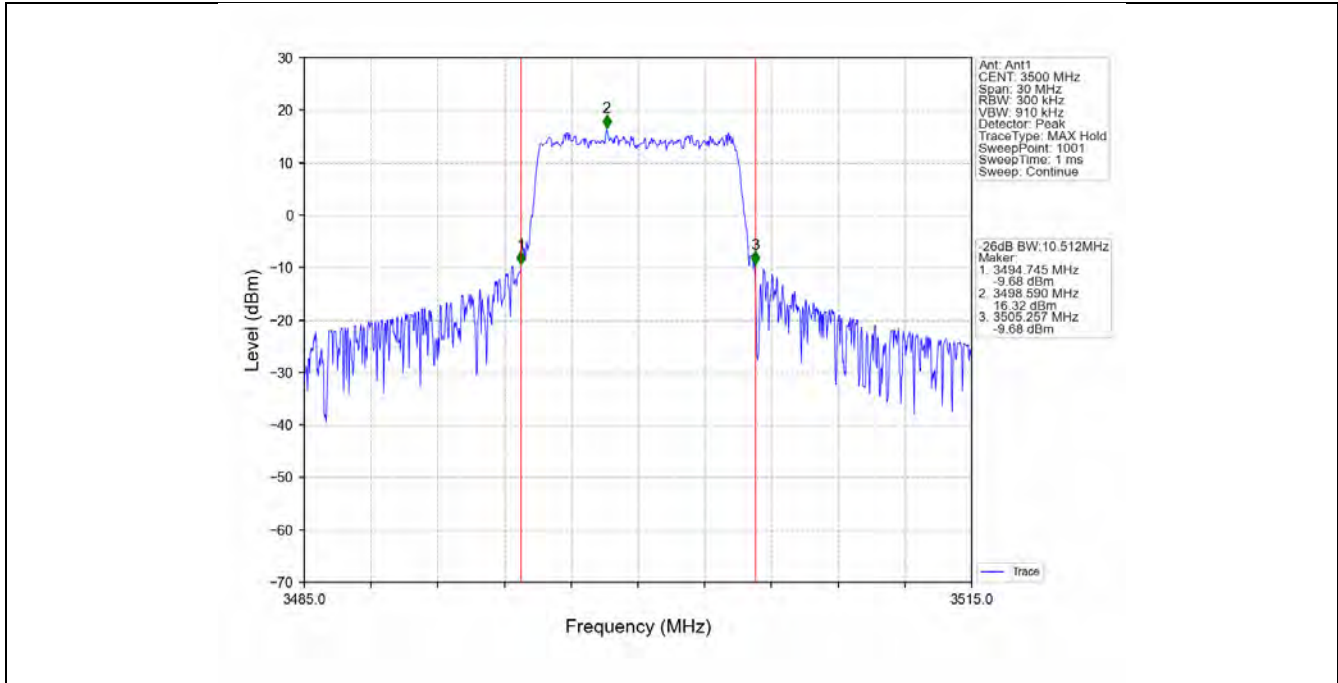


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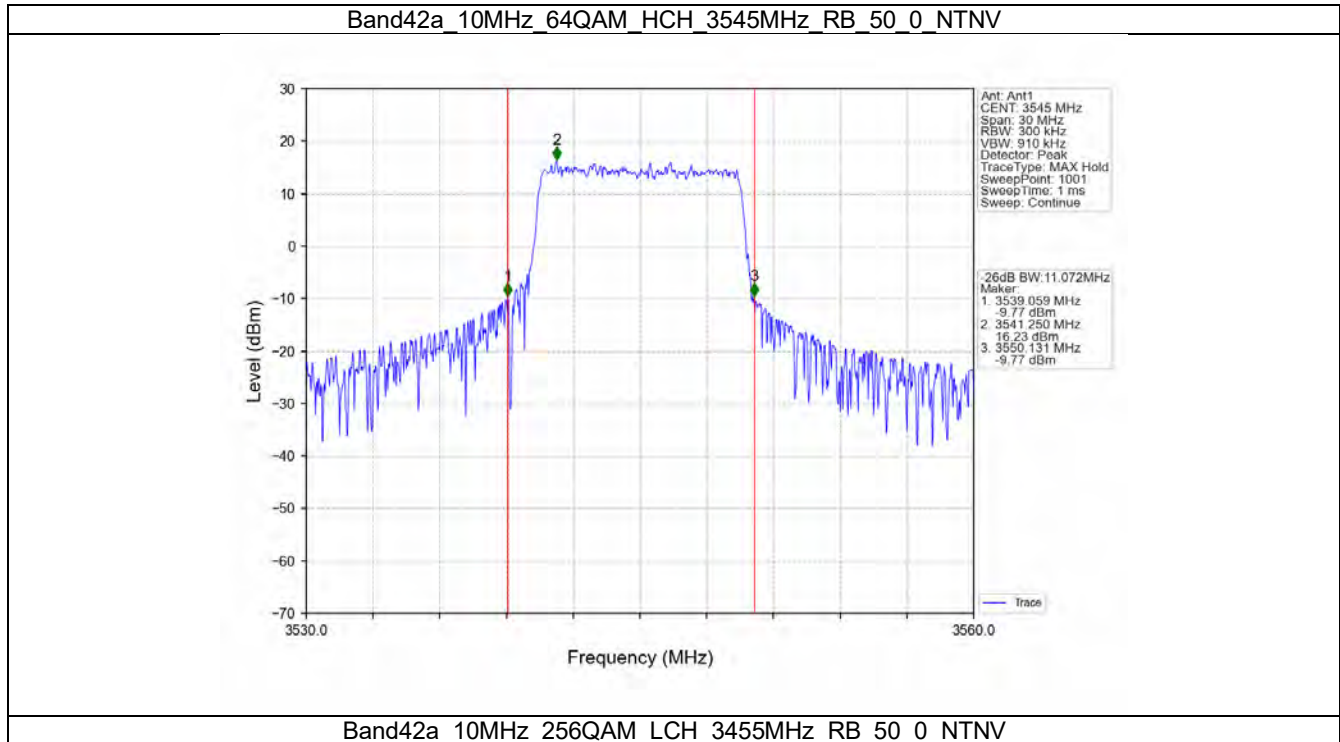


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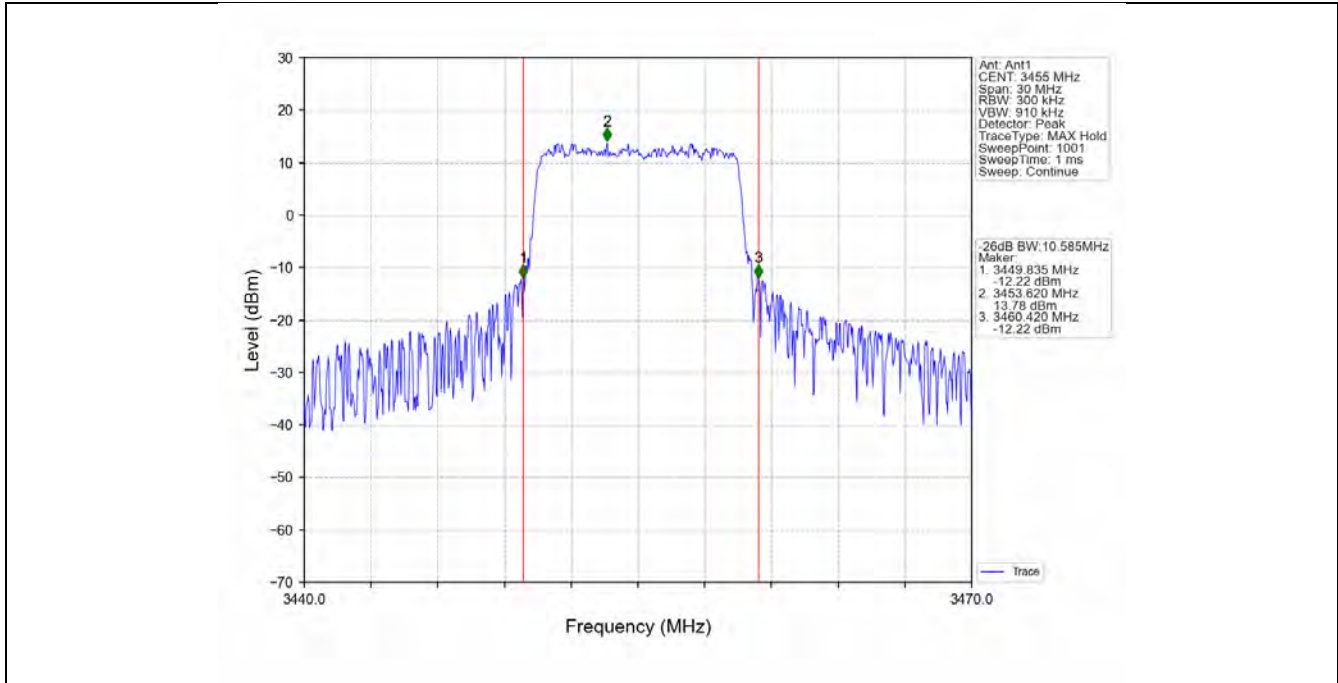


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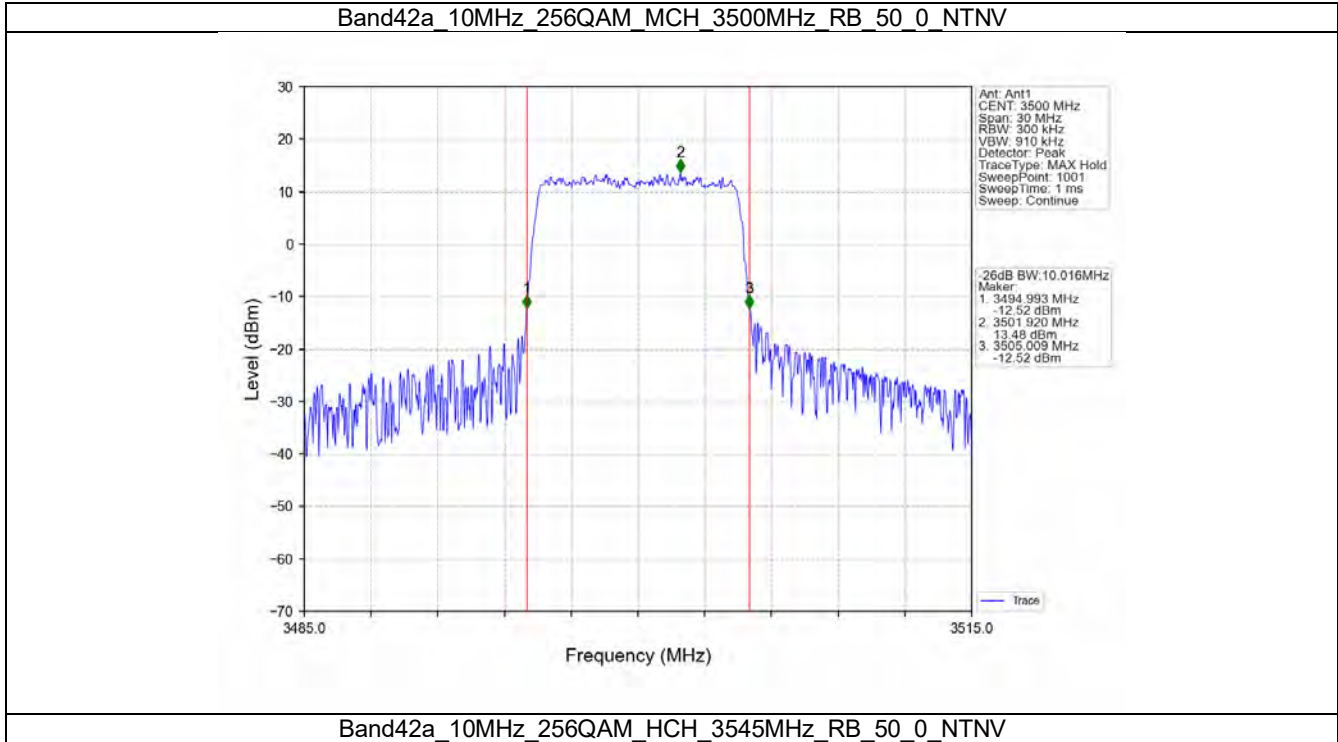


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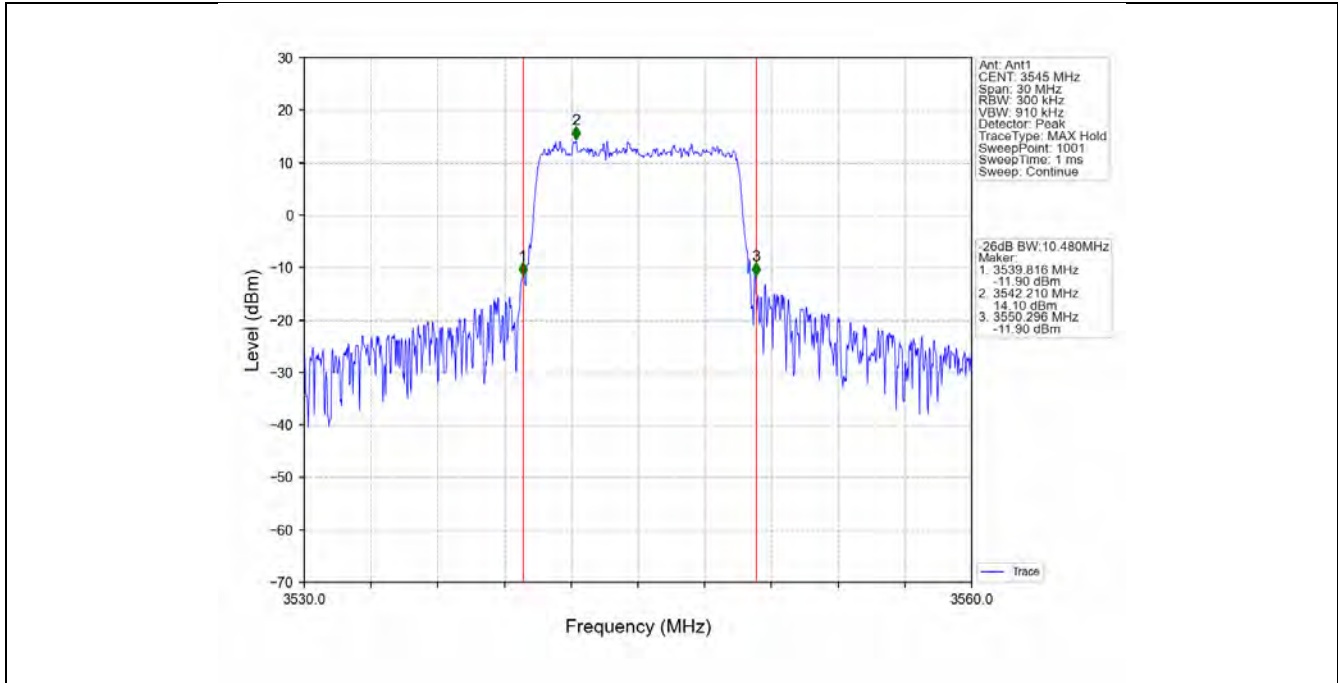


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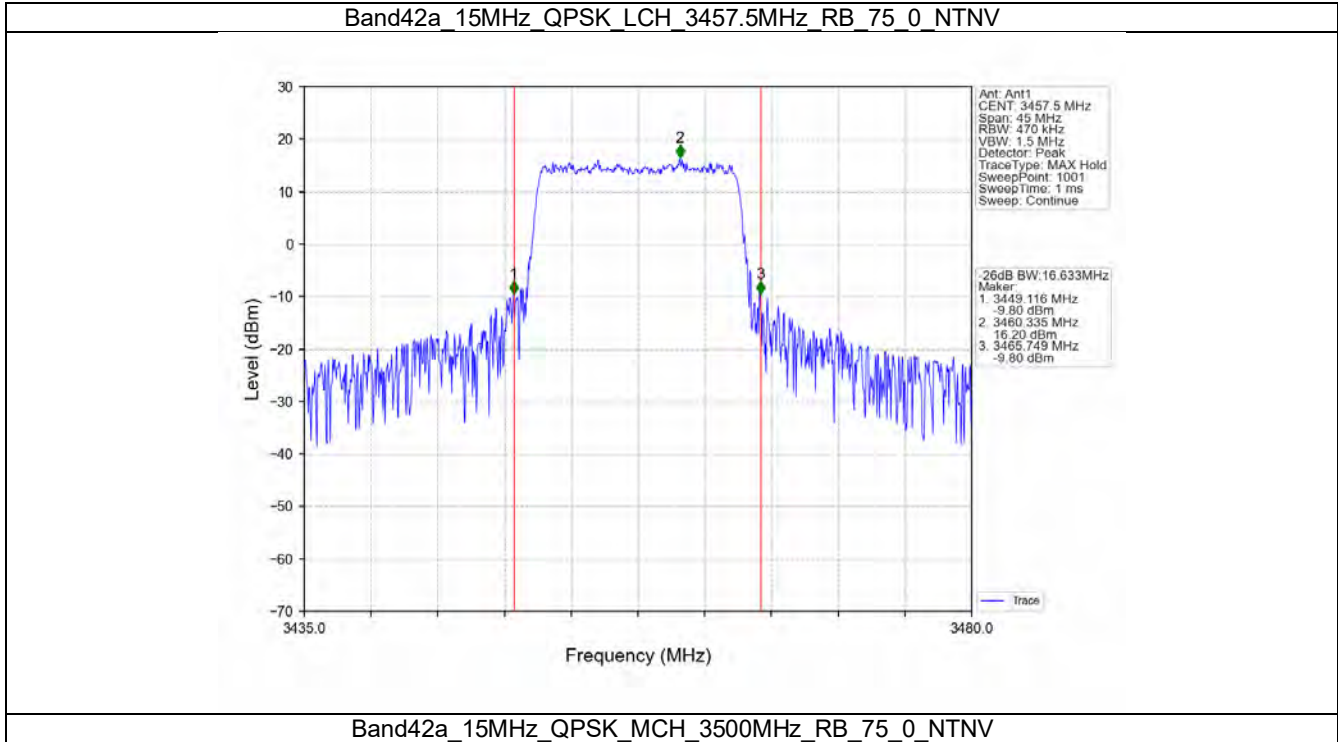


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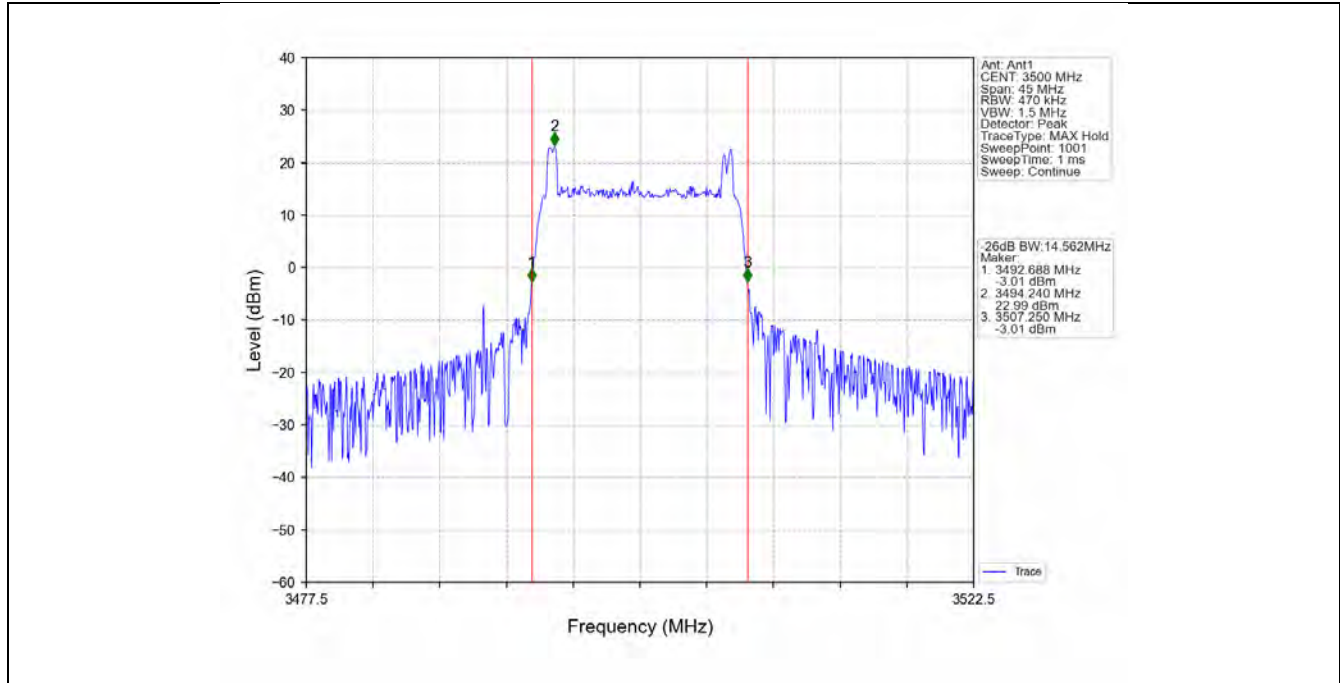


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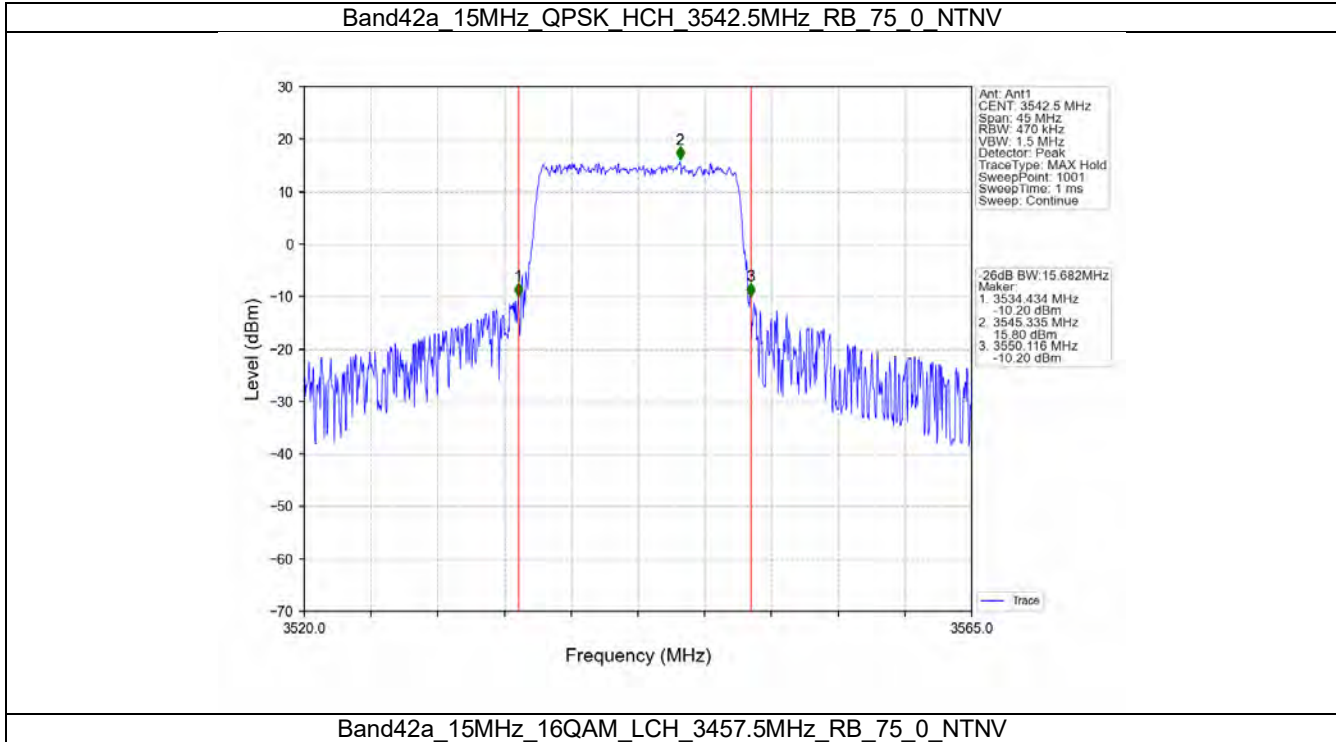


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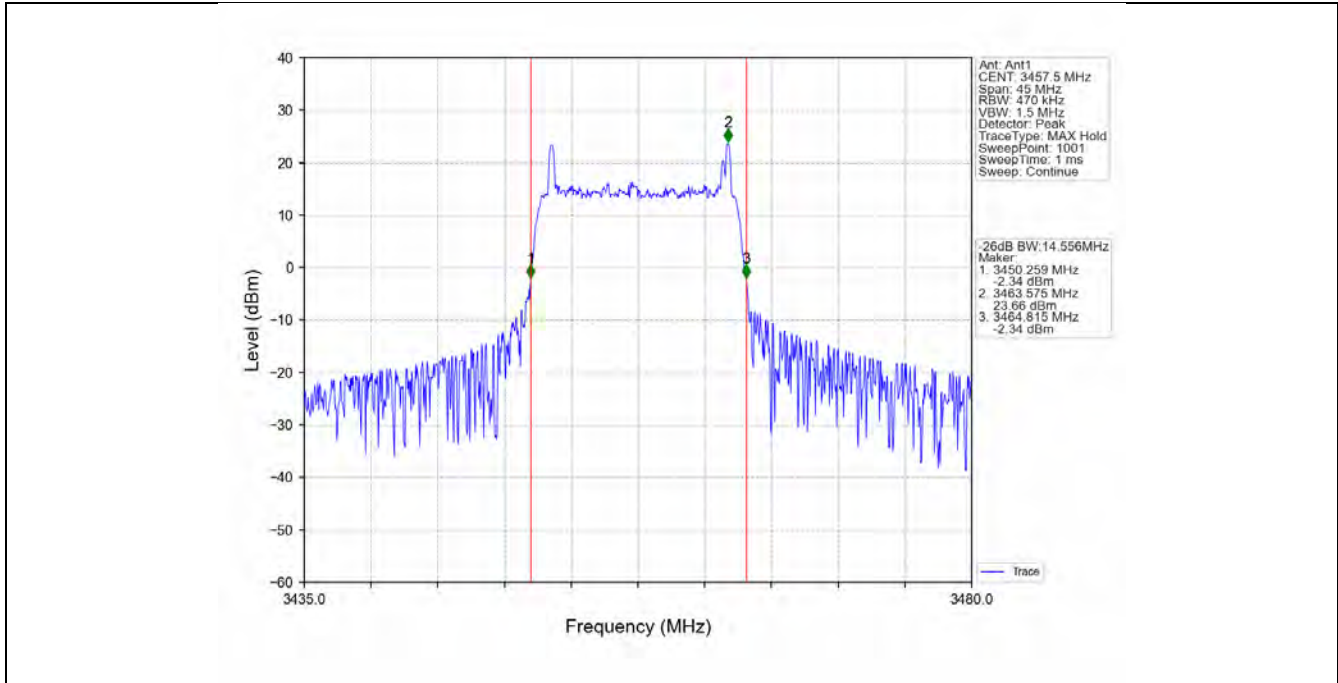


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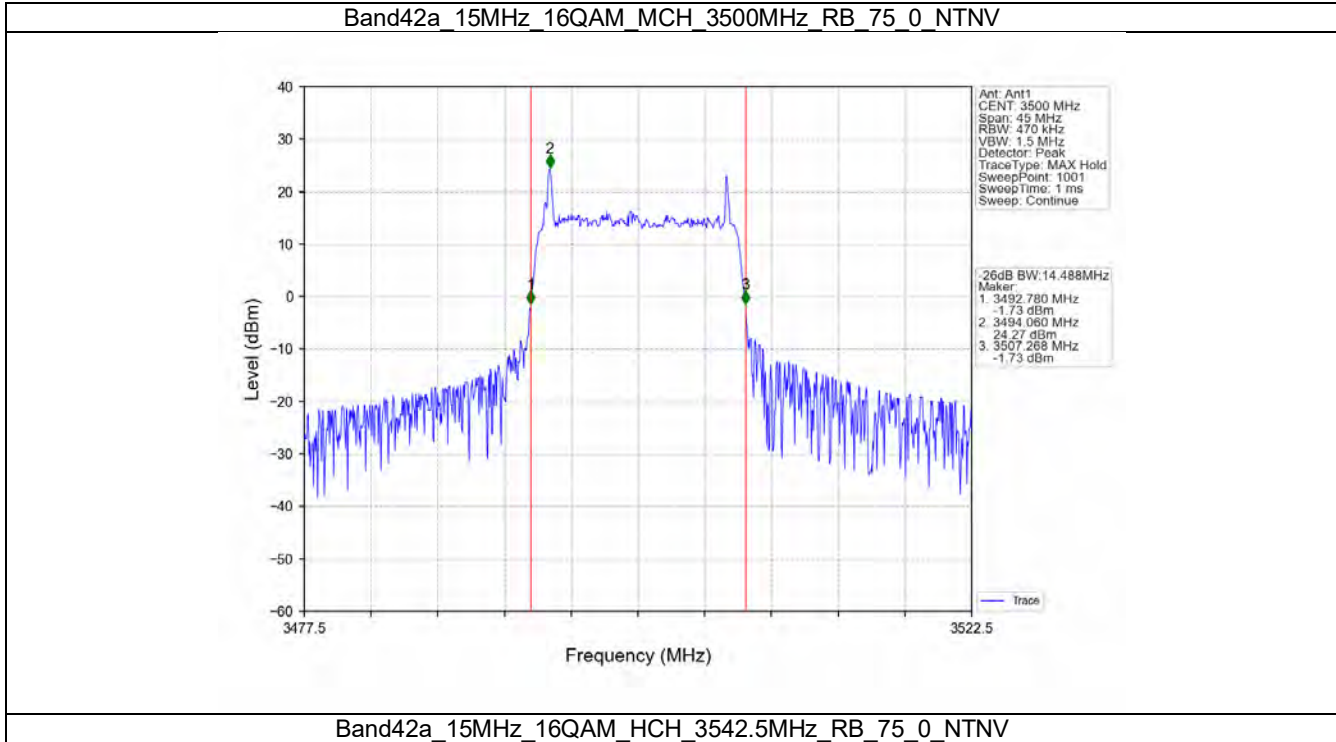


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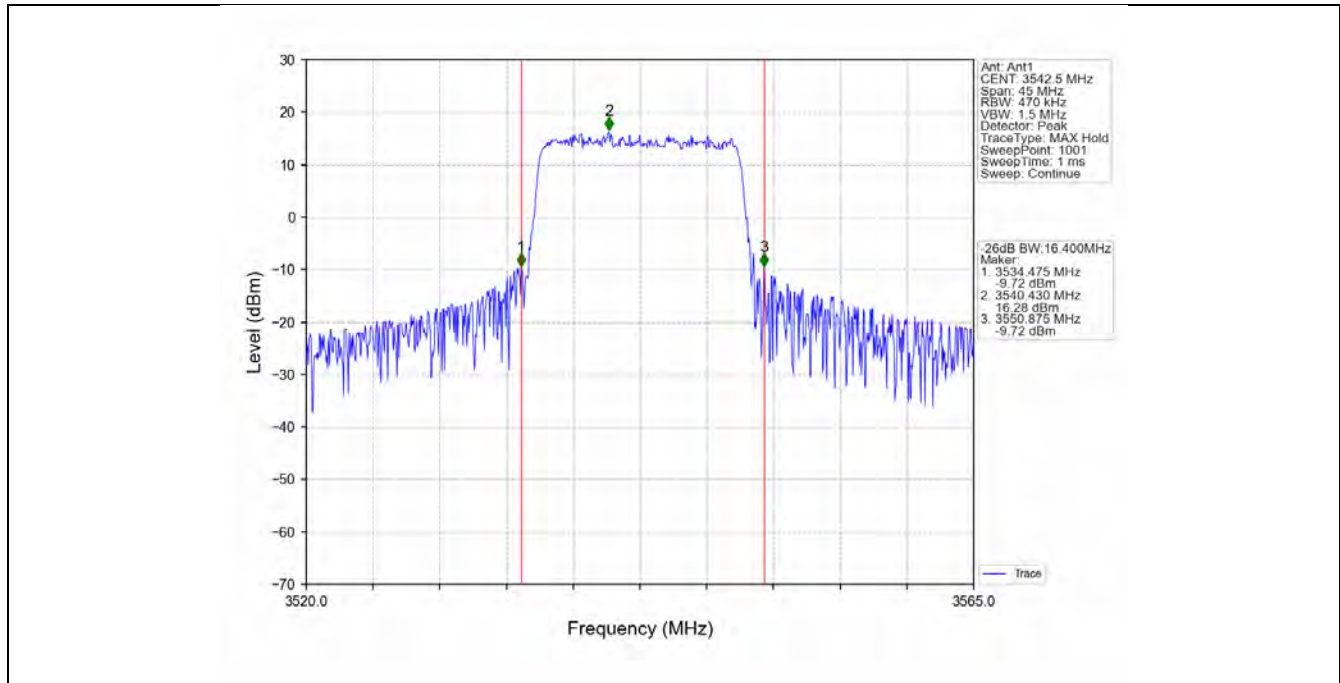


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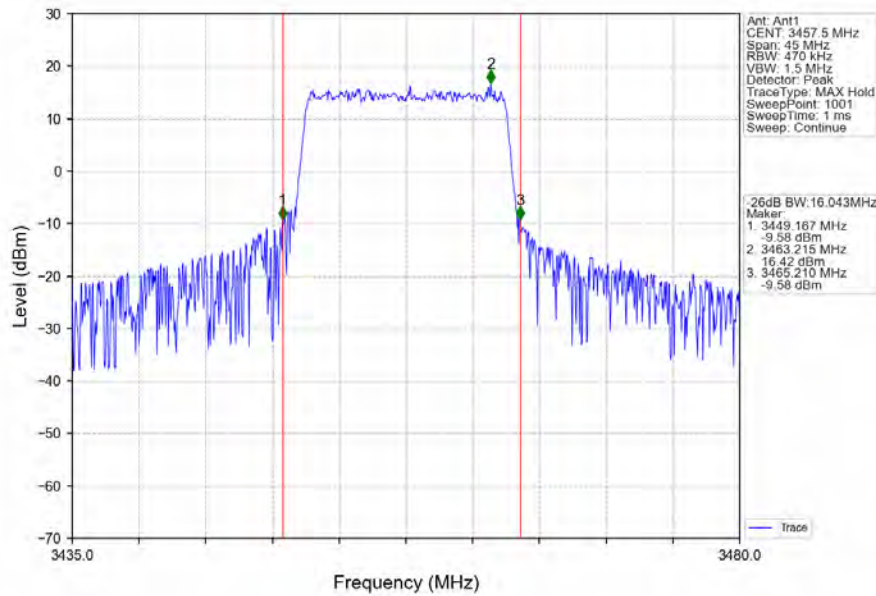
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Band42a_15MHz_64QAM_LCH_3457.5MHz_RB_75_0_NTNV



Band42a_15MHz_64QAM_MCH_3500MHz_RB_75_0_NTNV



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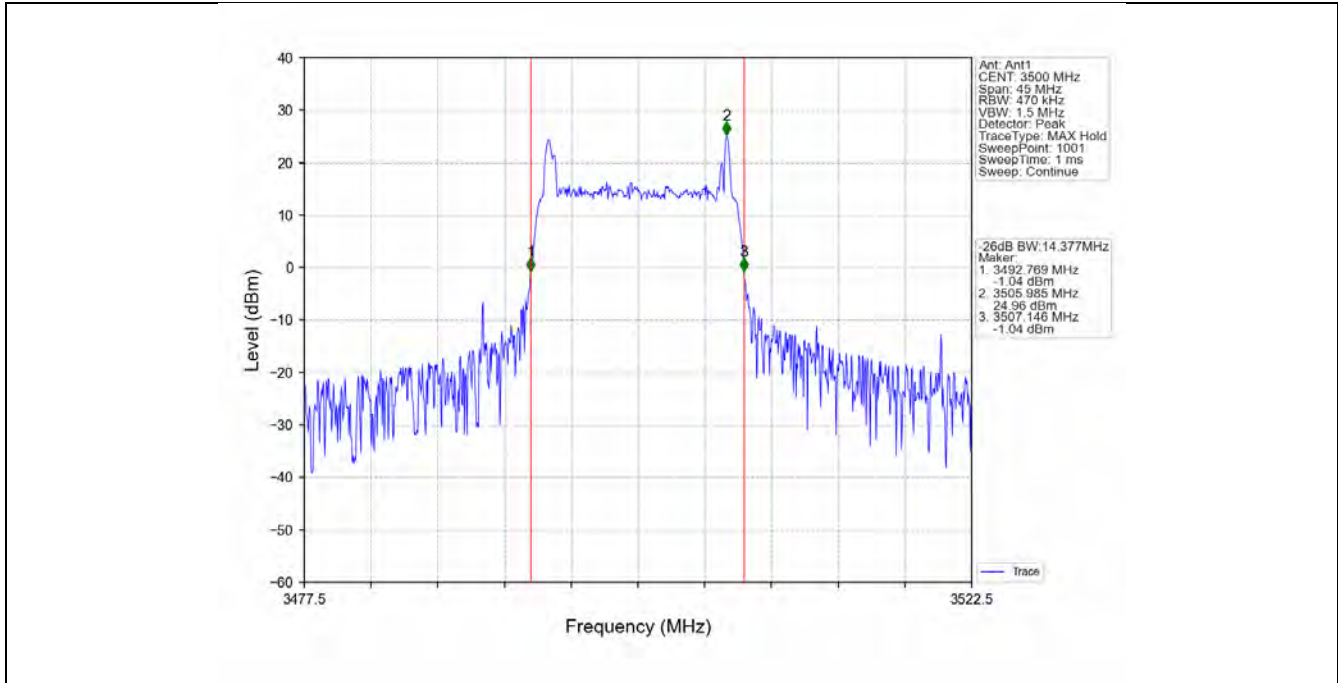


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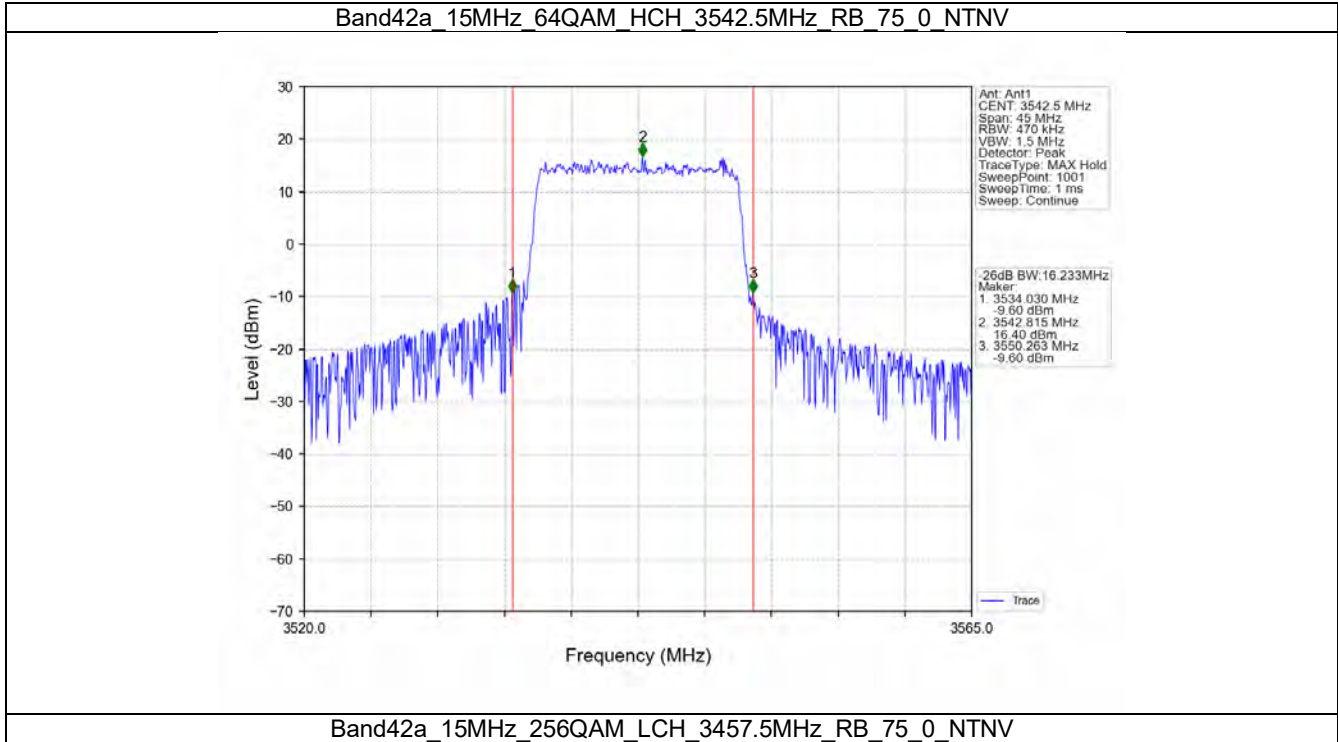


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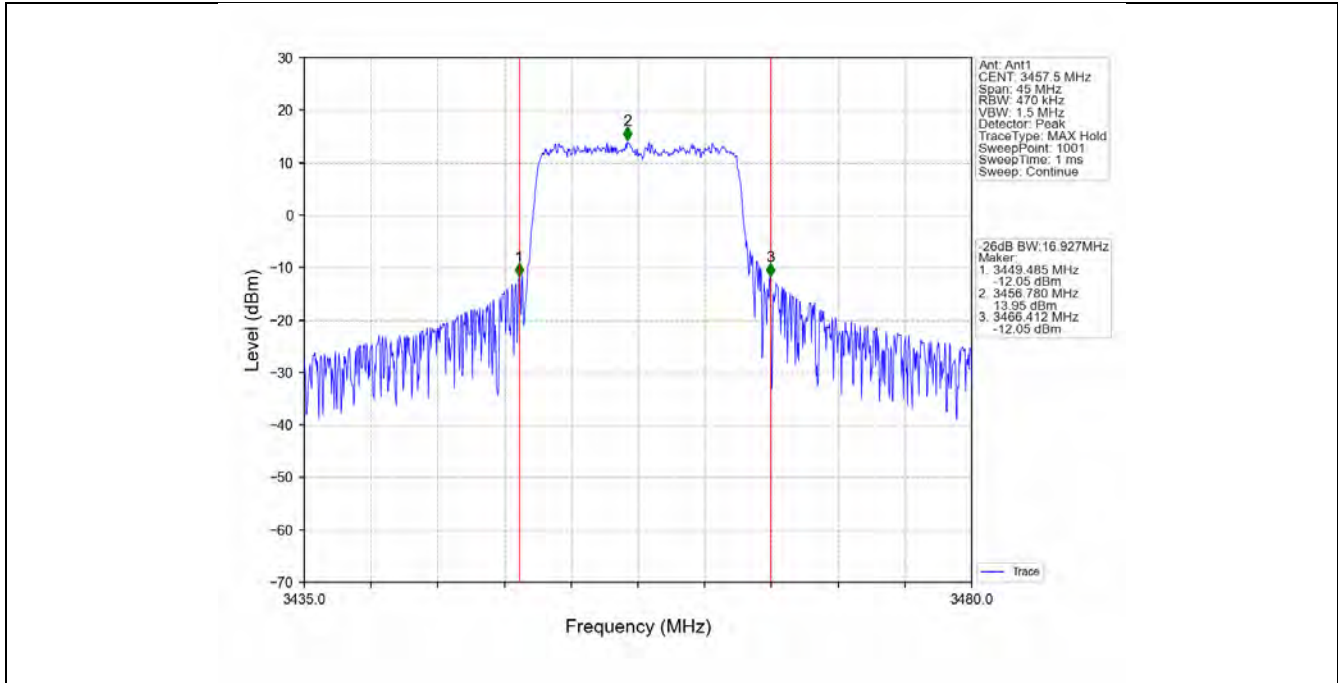


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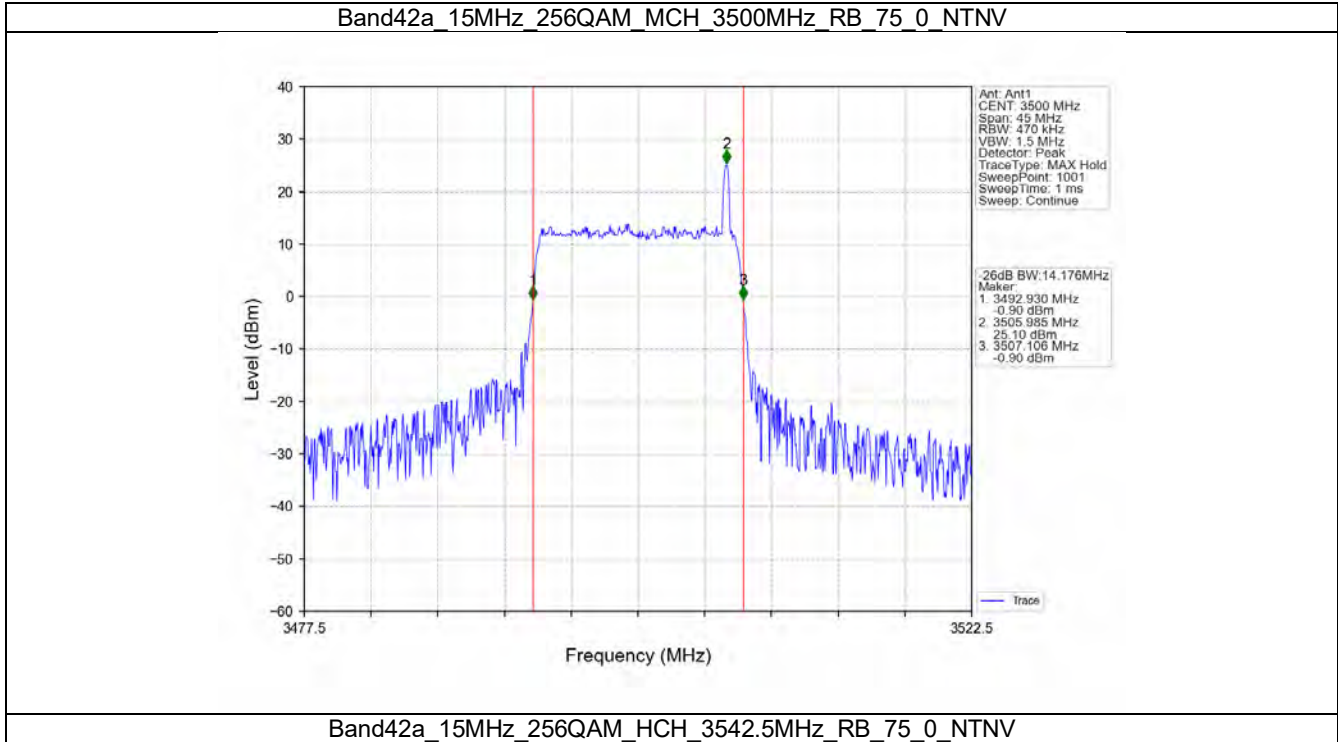


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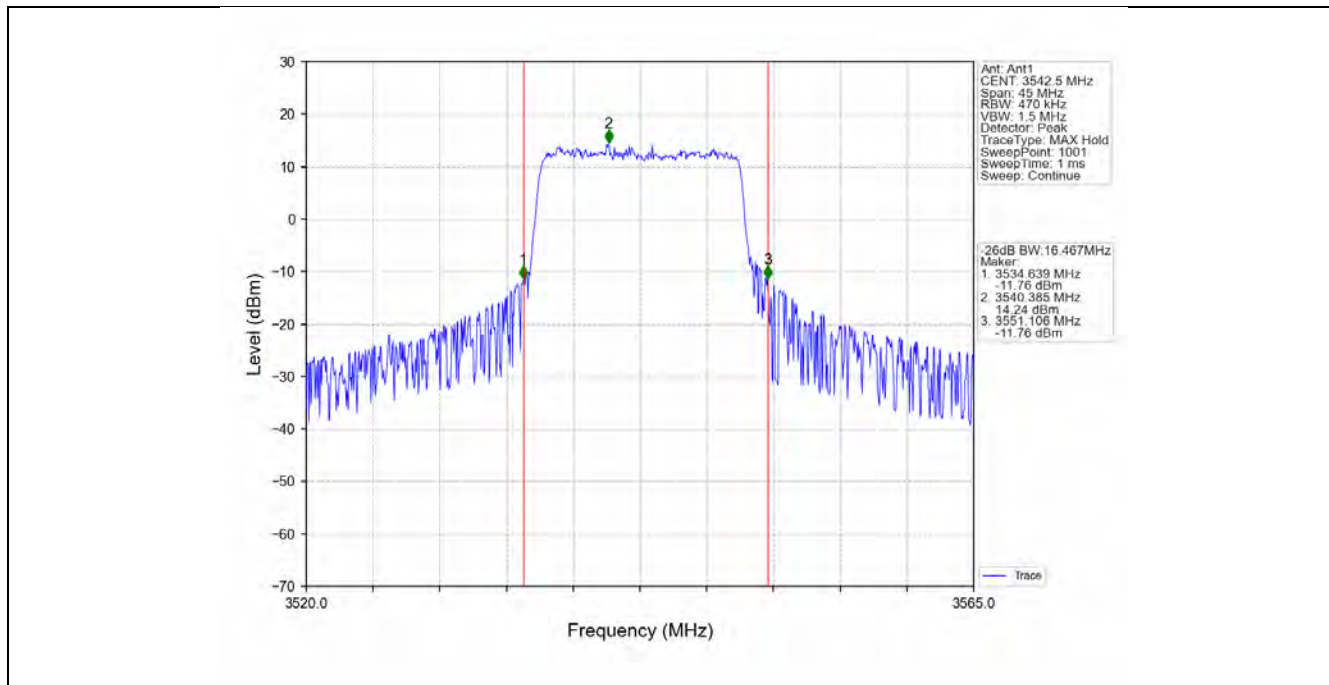
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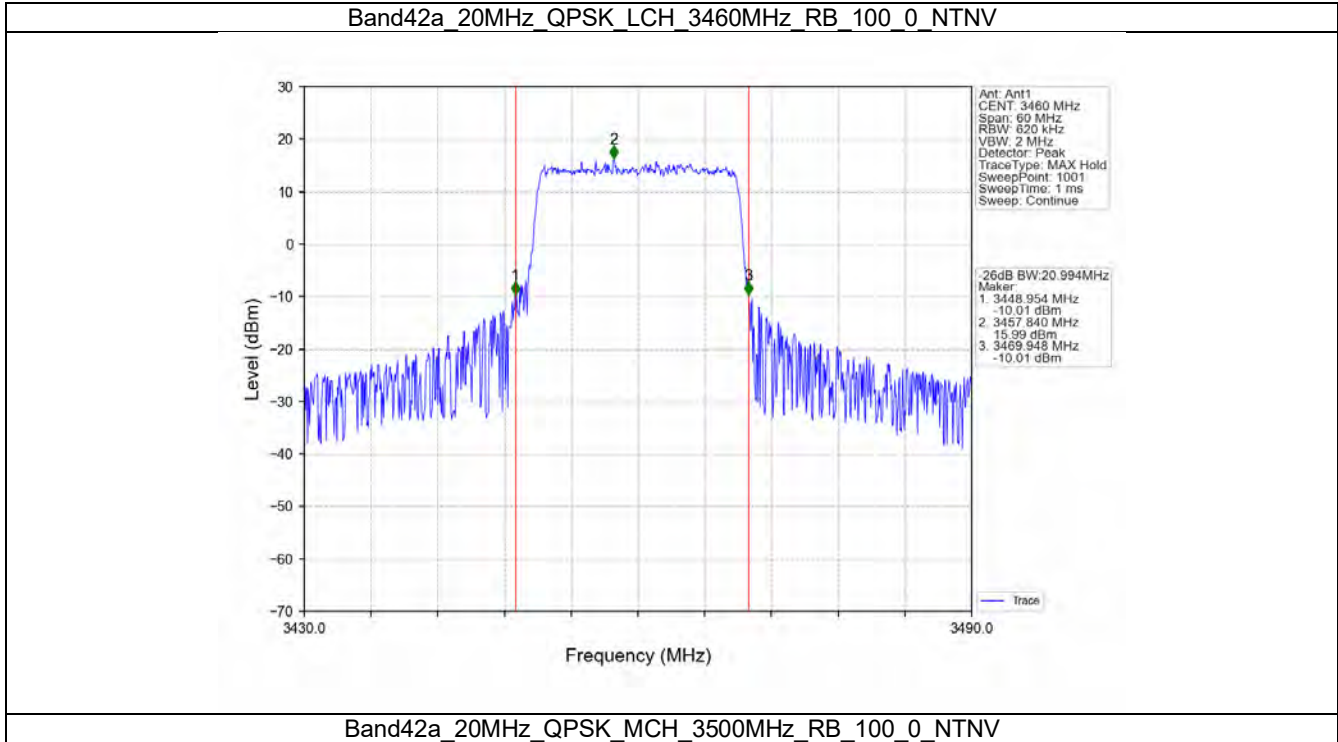


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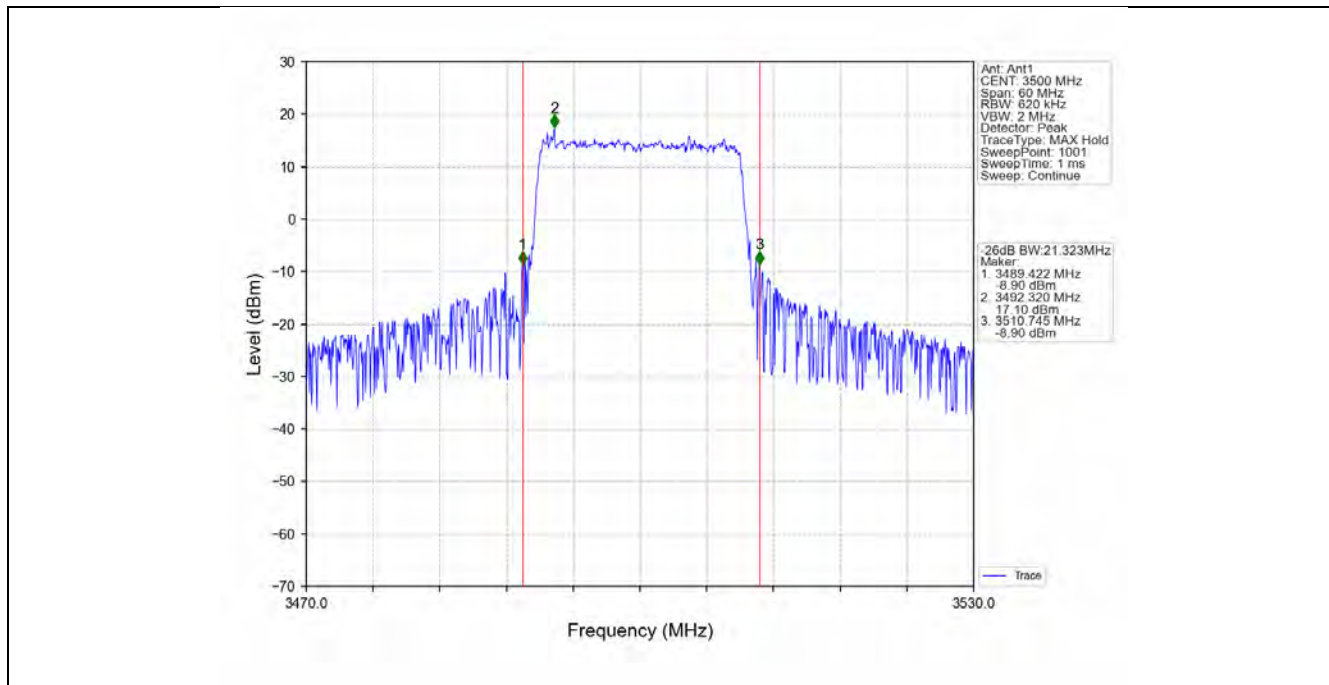
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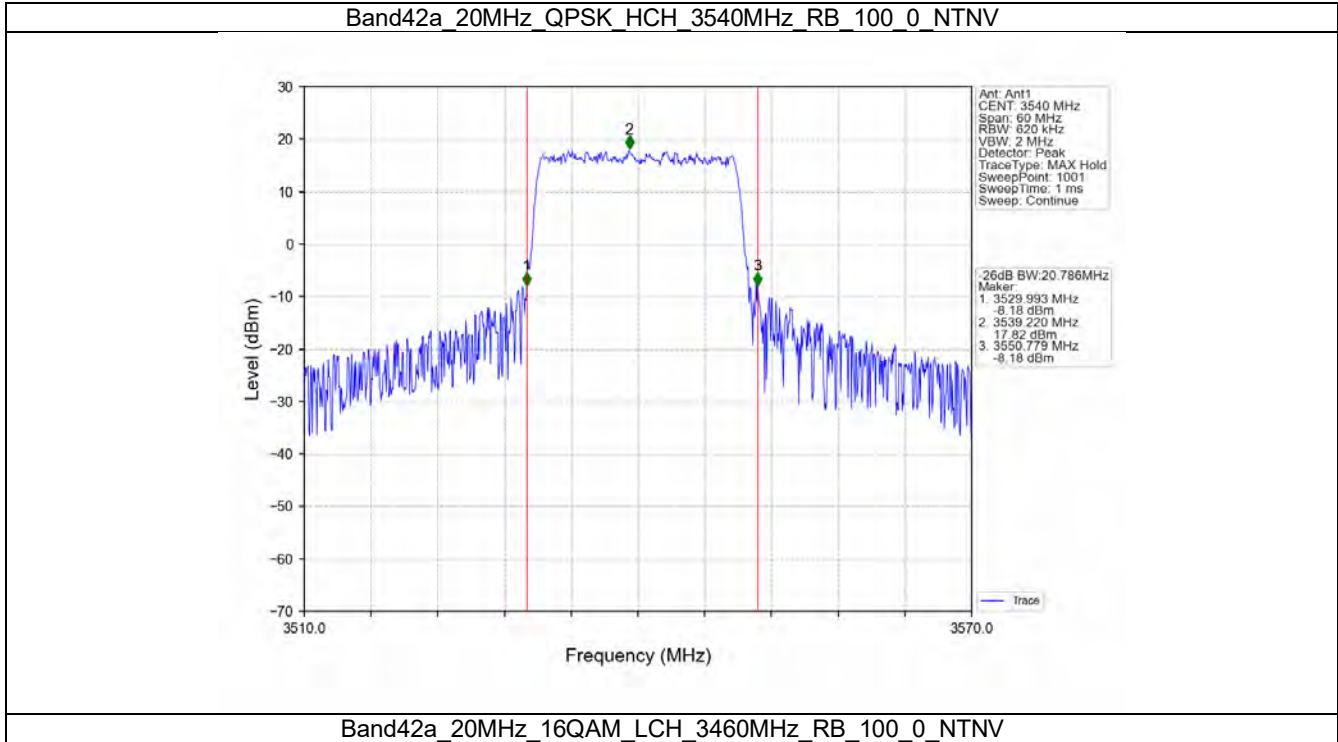


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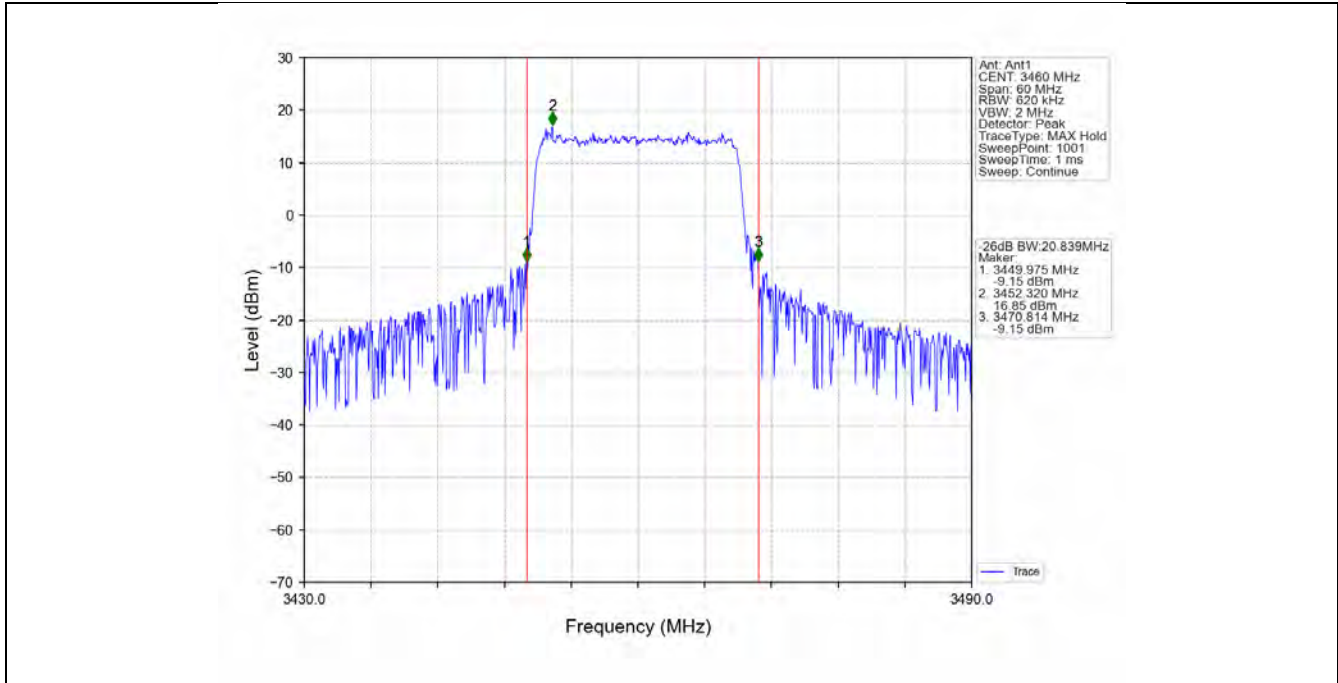


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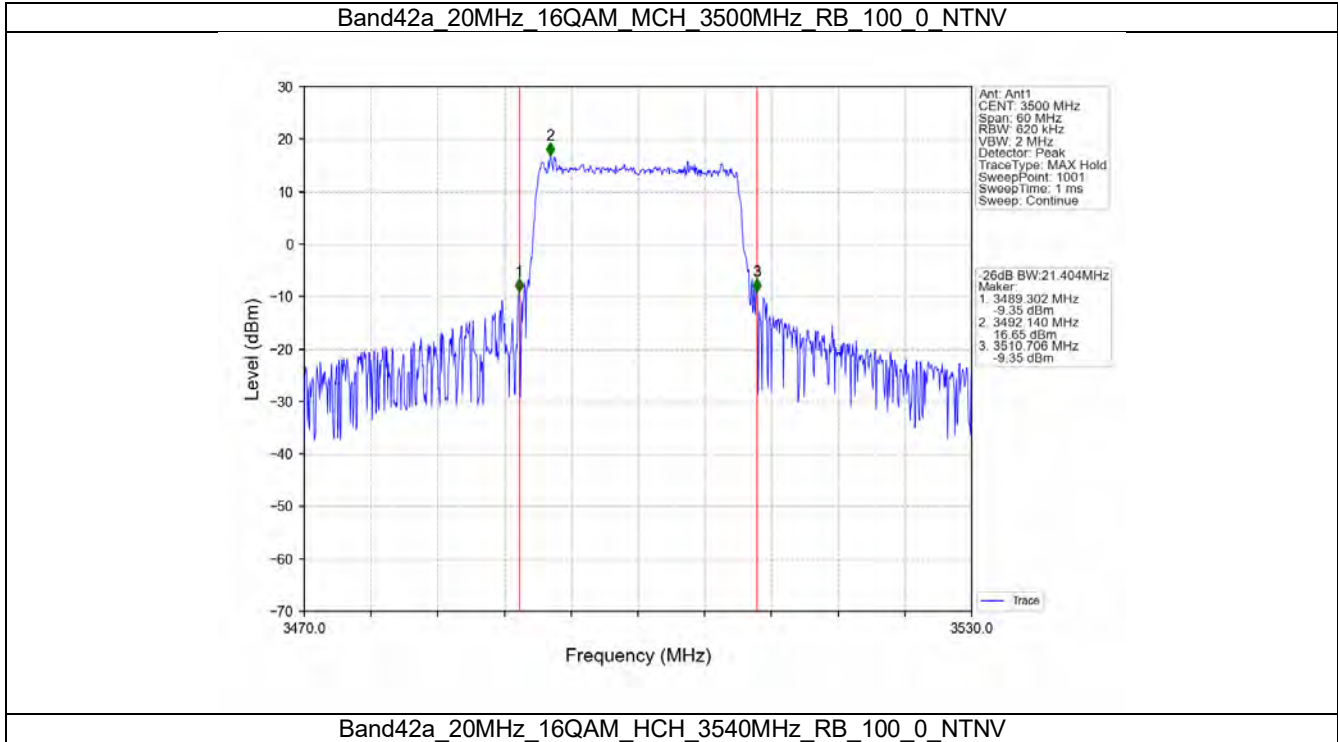


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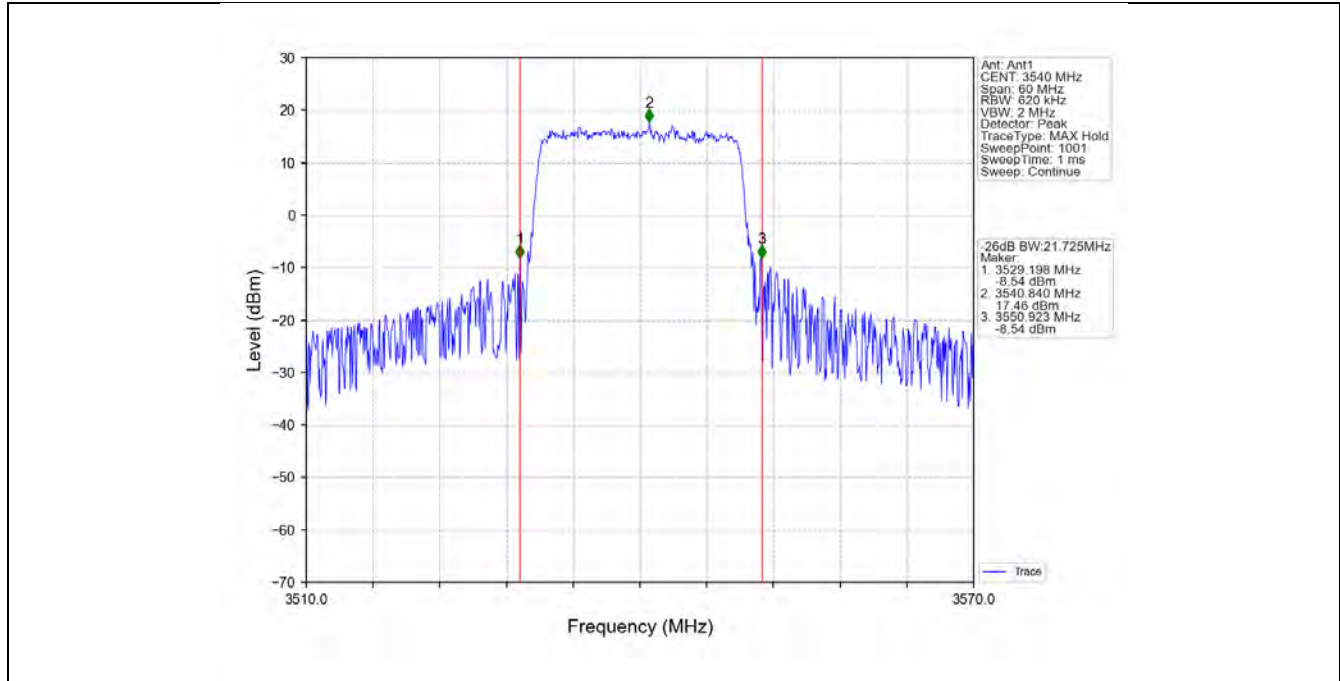


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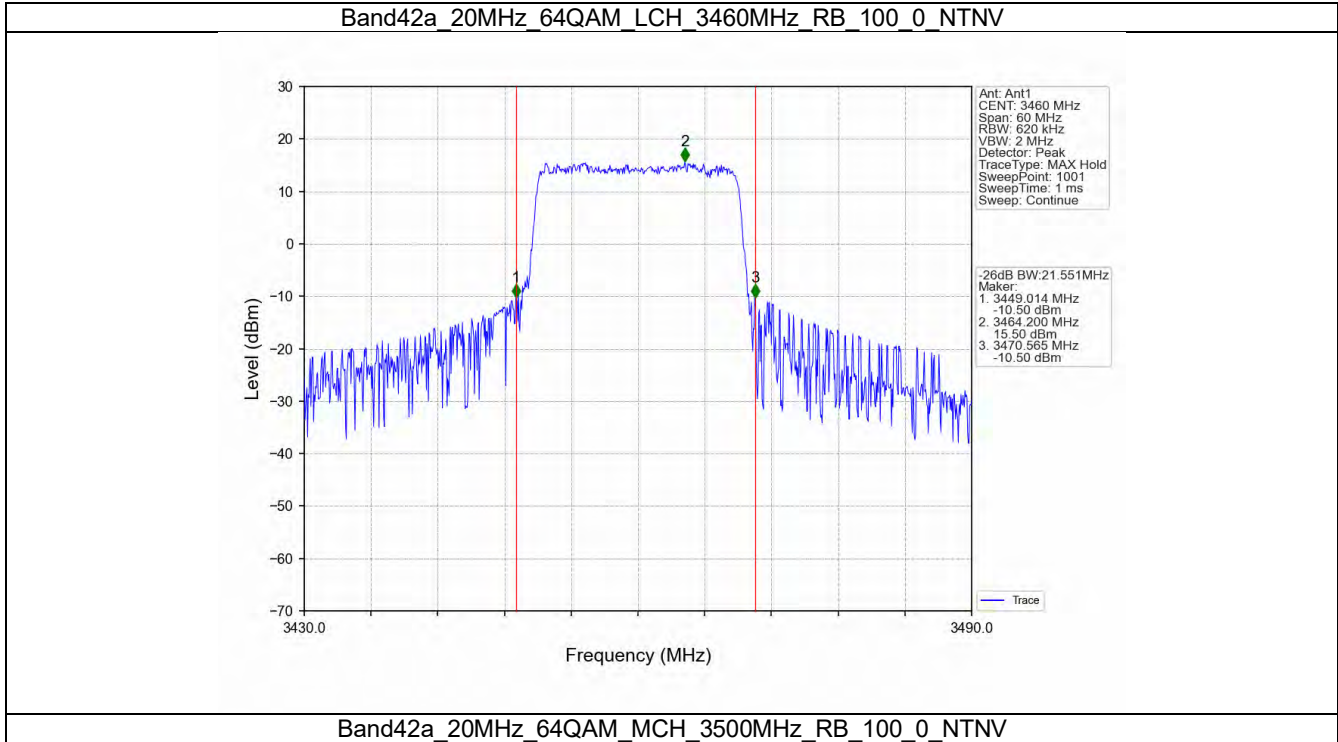


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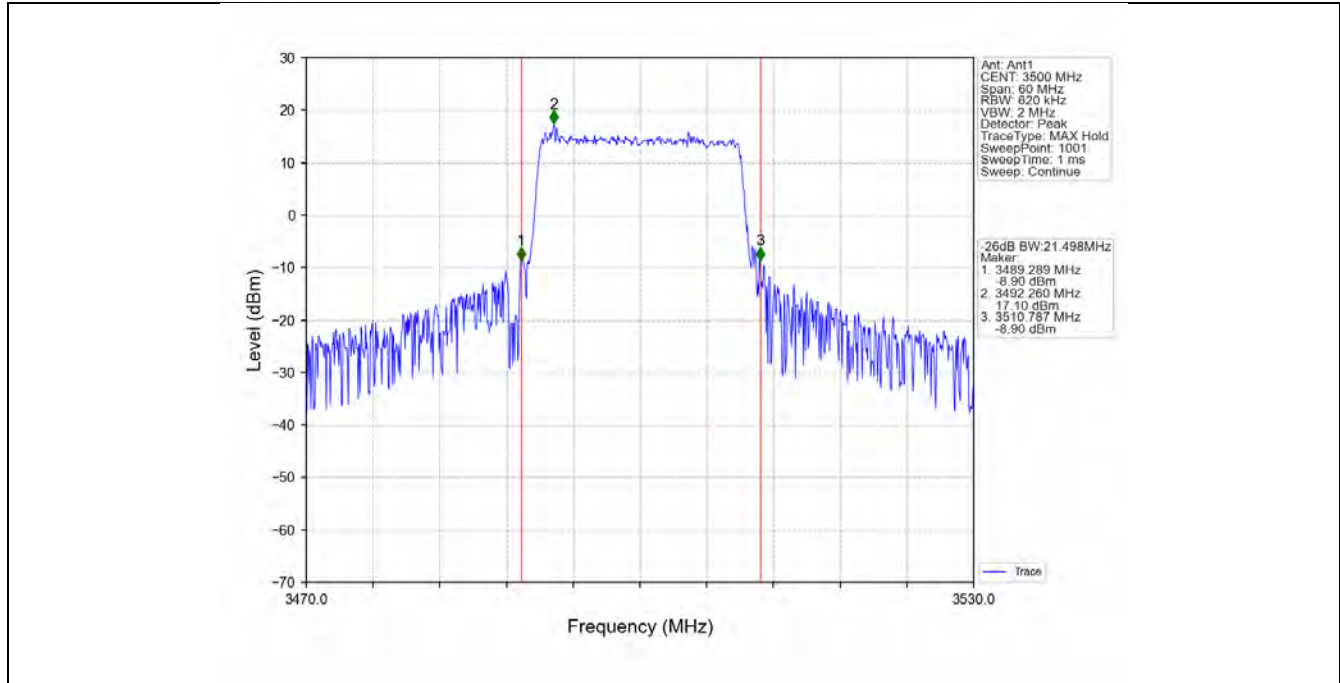


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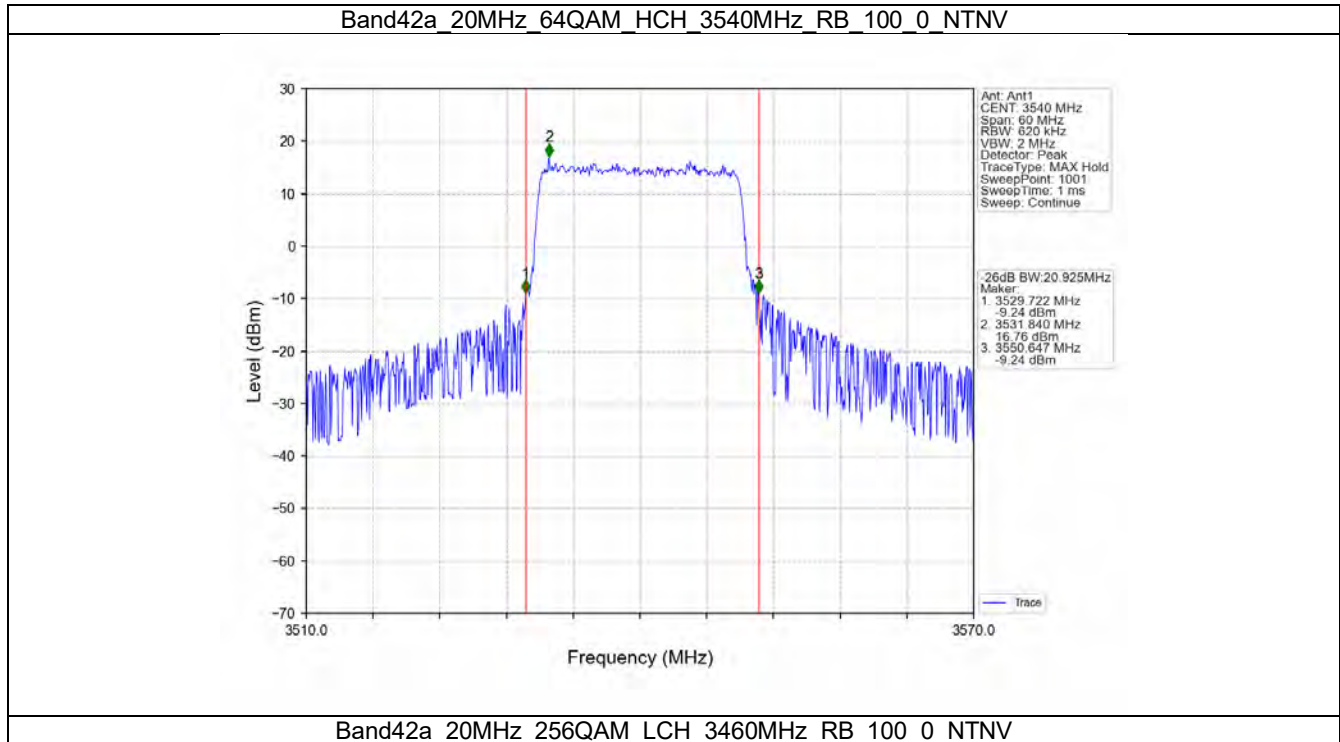


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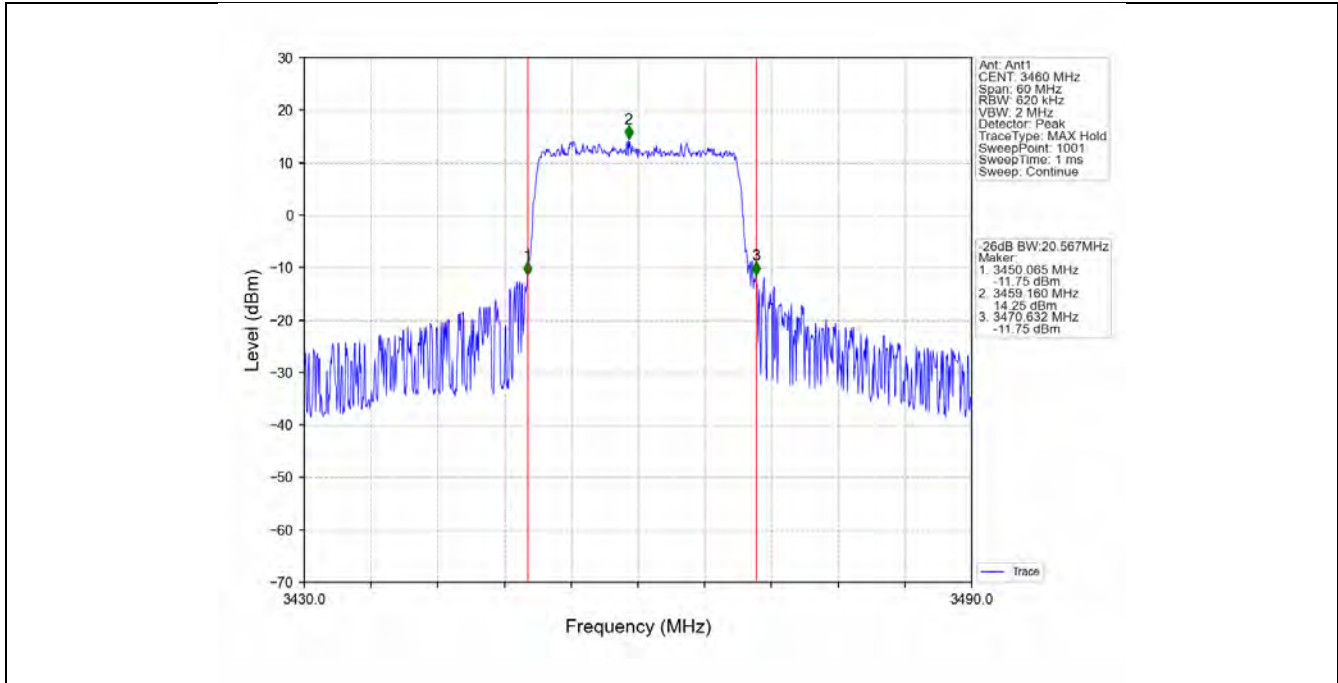


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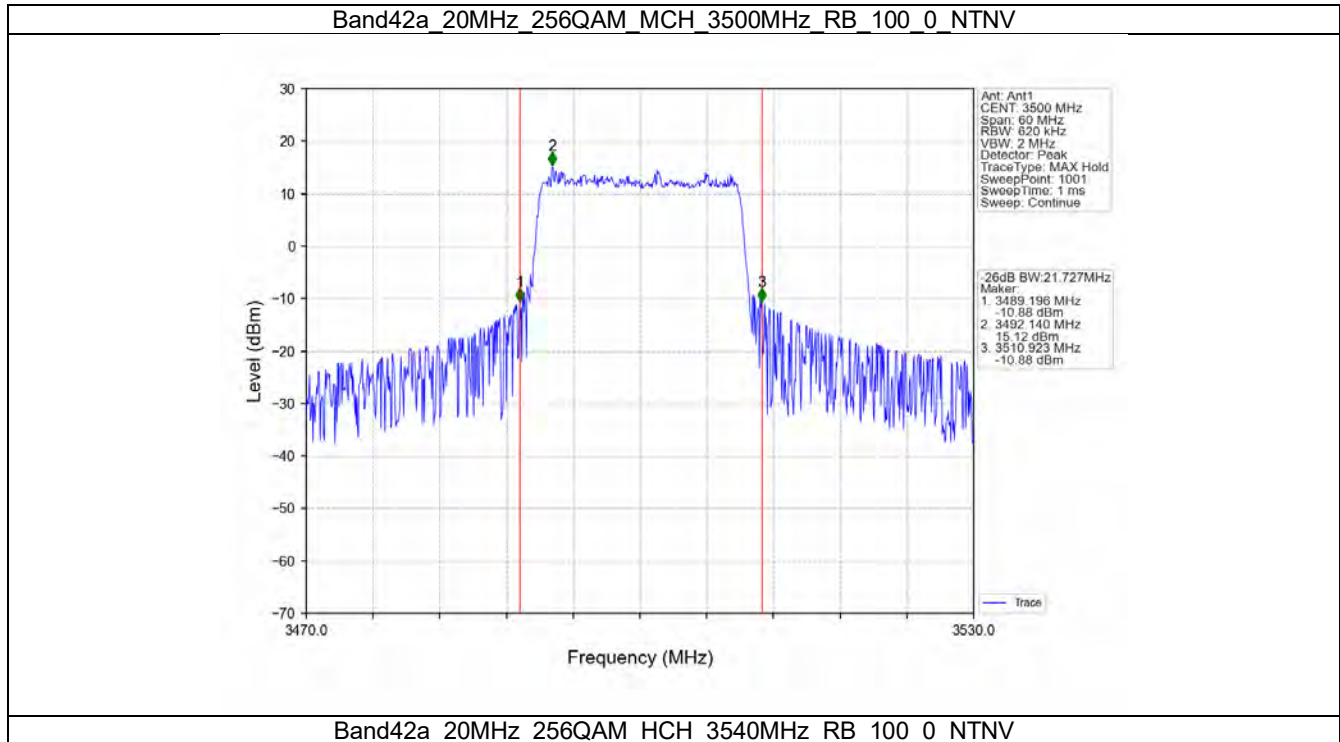


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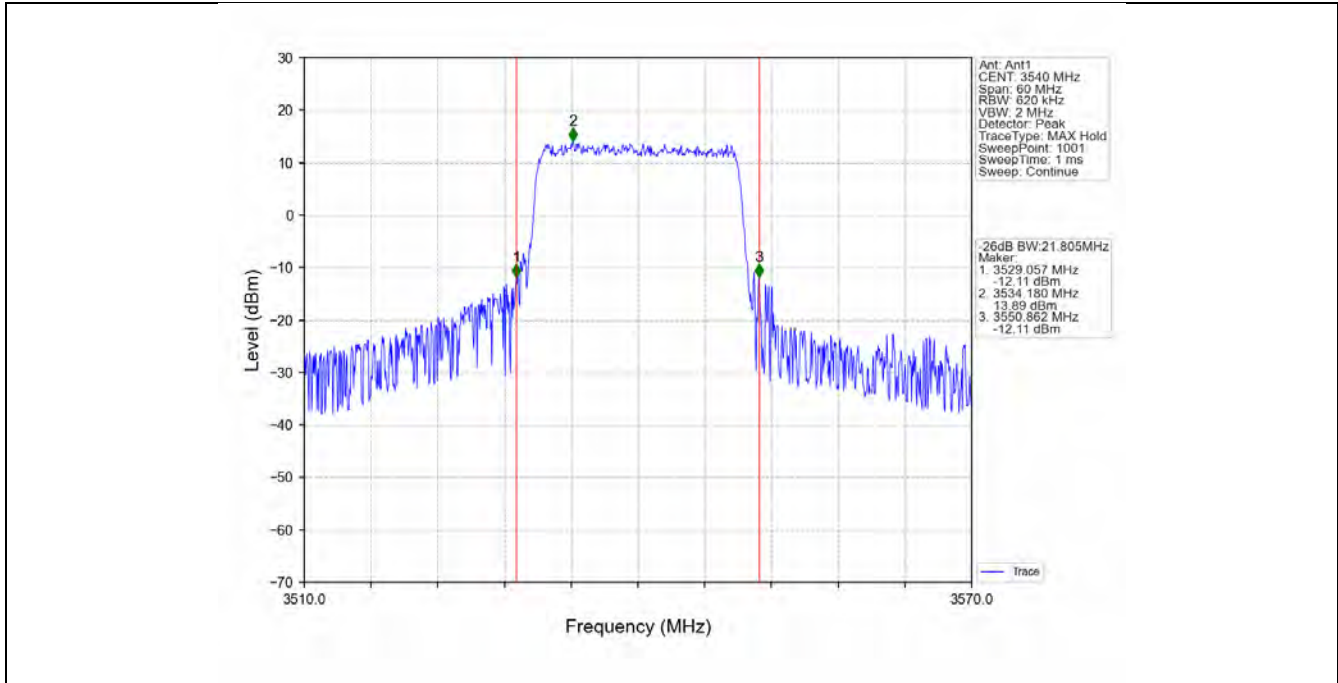


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4. Peak-Average Ratio

4.1 B42a_5MHz

4.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTVN						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	25	0	8.70	<=13	Pass
	3500	25	0	8.76	<=13	Pass
	3547.5	25	0	8.70	<=13	Pass
16QAM	3452.5	25	0	8.73	<=13	Pass
	3500	25	0	8.80	<=13	Pass
	3547.5	25	0	8.63	<=13	Pass
64QAM	3452.5	25	0	8.76	<=13	Pass
	3500	25	0	8.70	<=13	Pass
	3547.5	25	0	8.70	<=13	Pass
256QAM	3452.5	25	0	9.17	<=13	Pass
	3500	25	0	8.81	<=13	Pass
	3547.5	25	0	8.81	<=13	Pass



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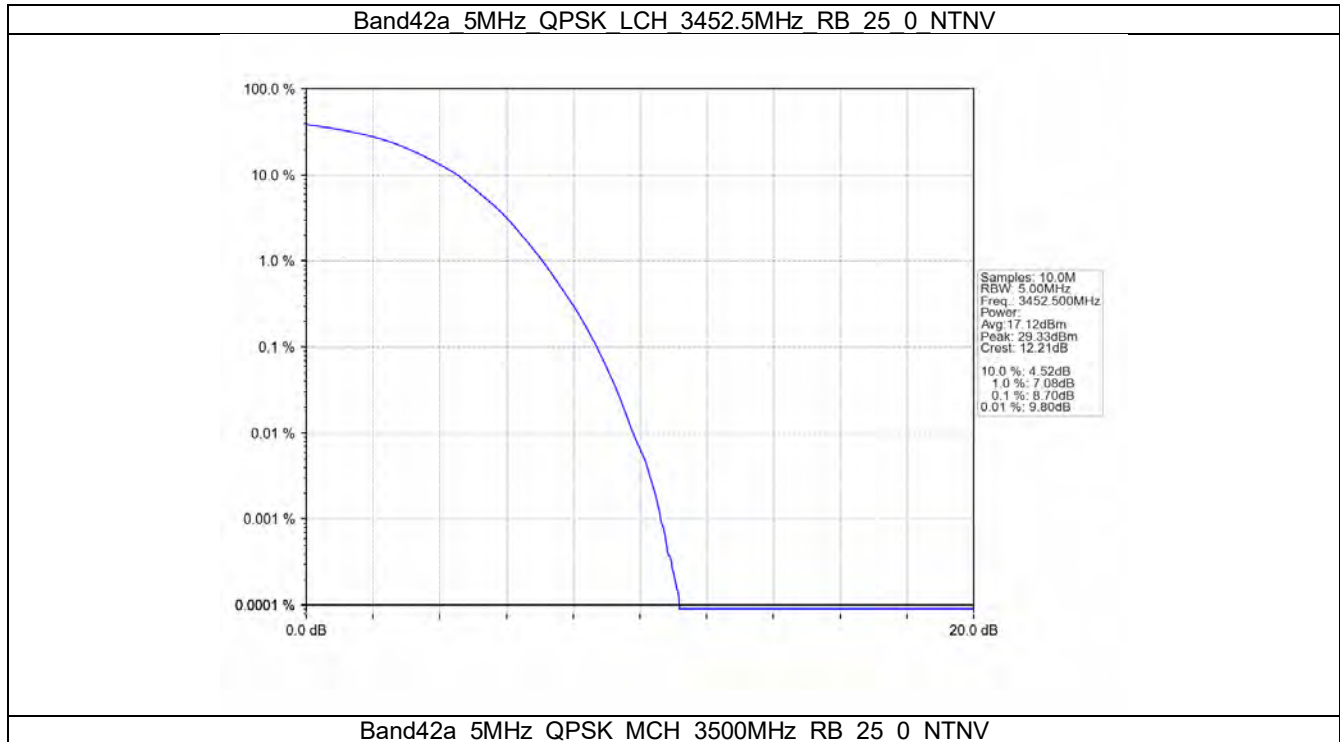
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4.1.2 Test Graph



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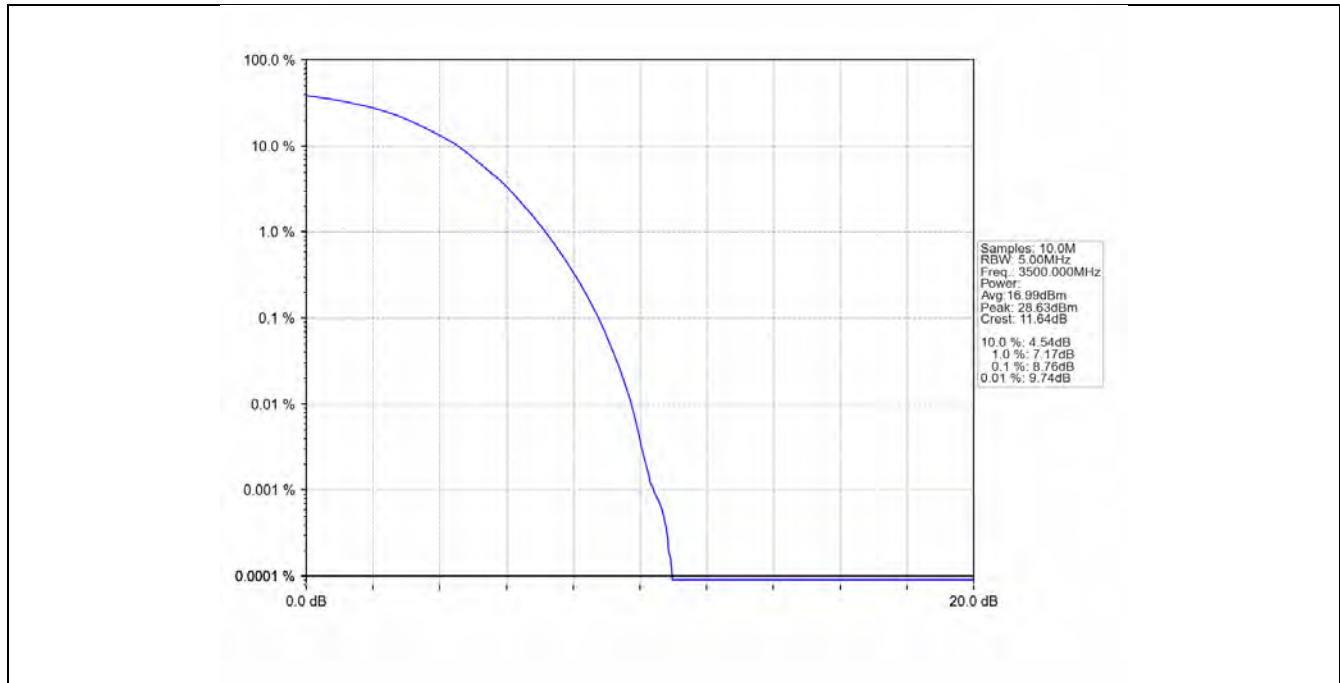


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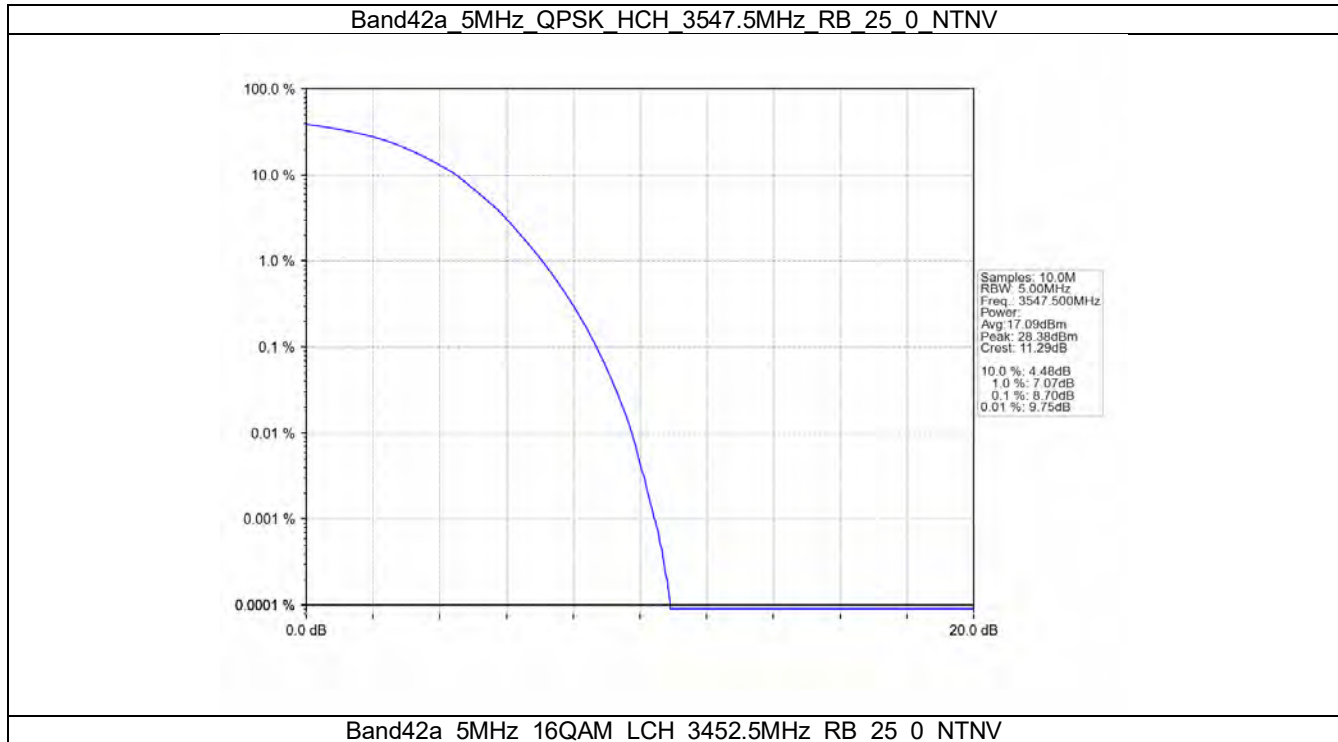


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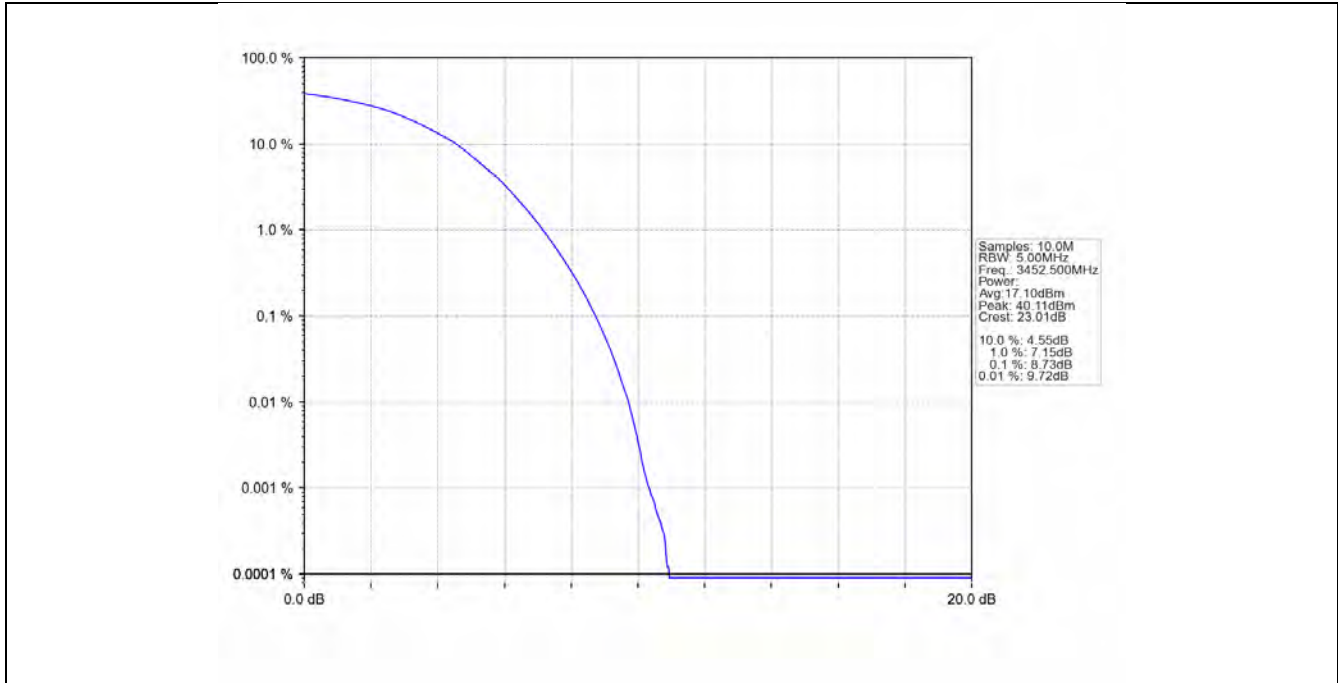


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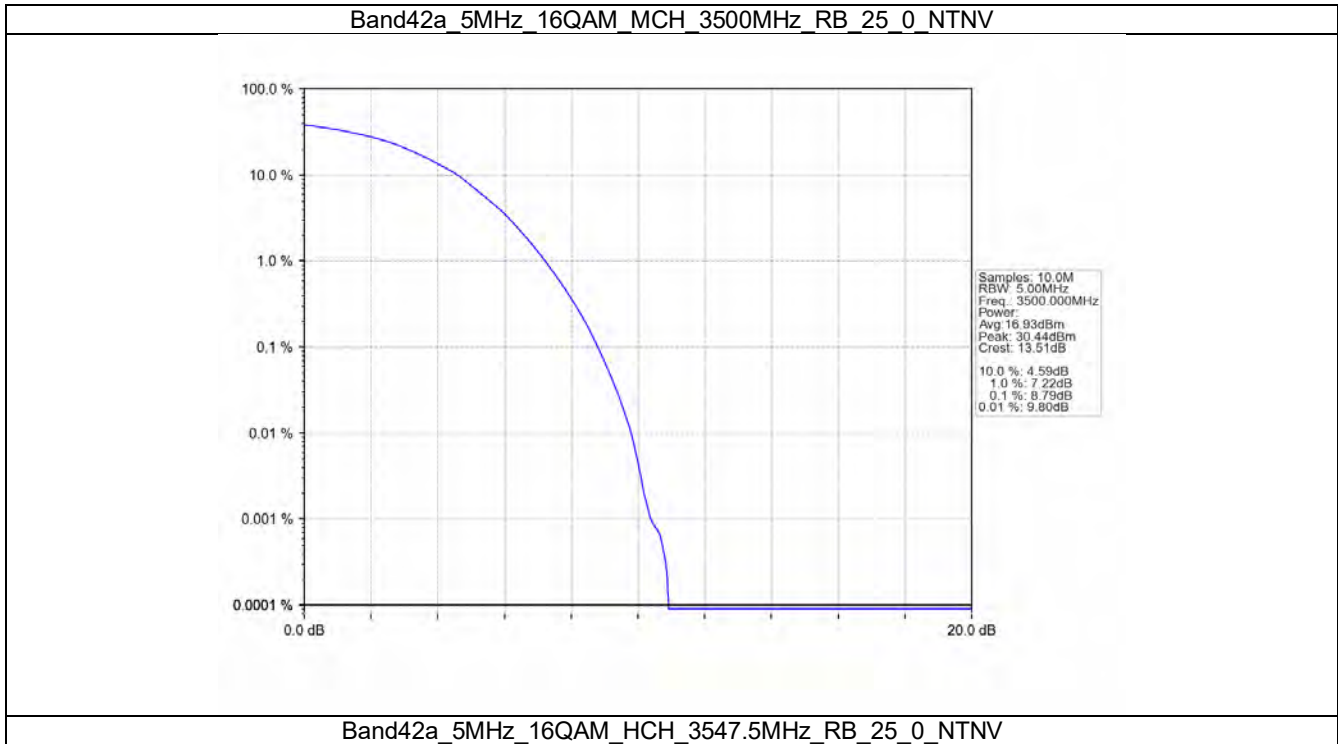


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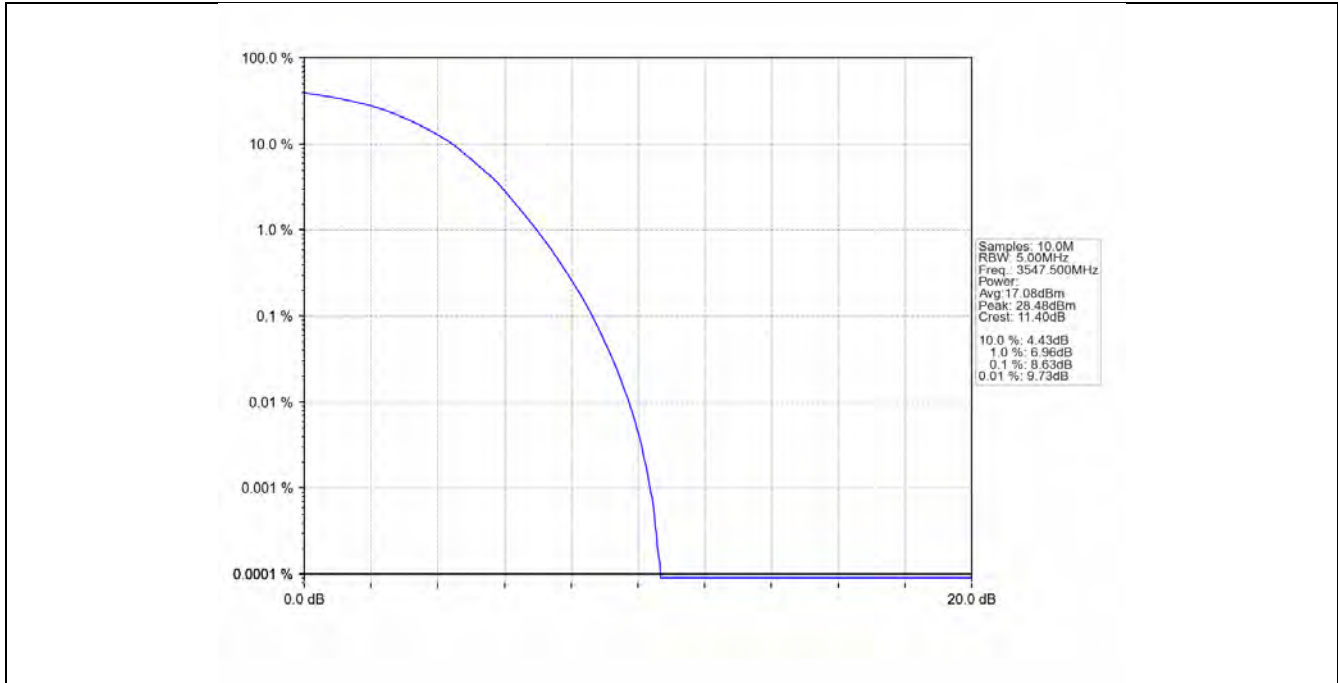


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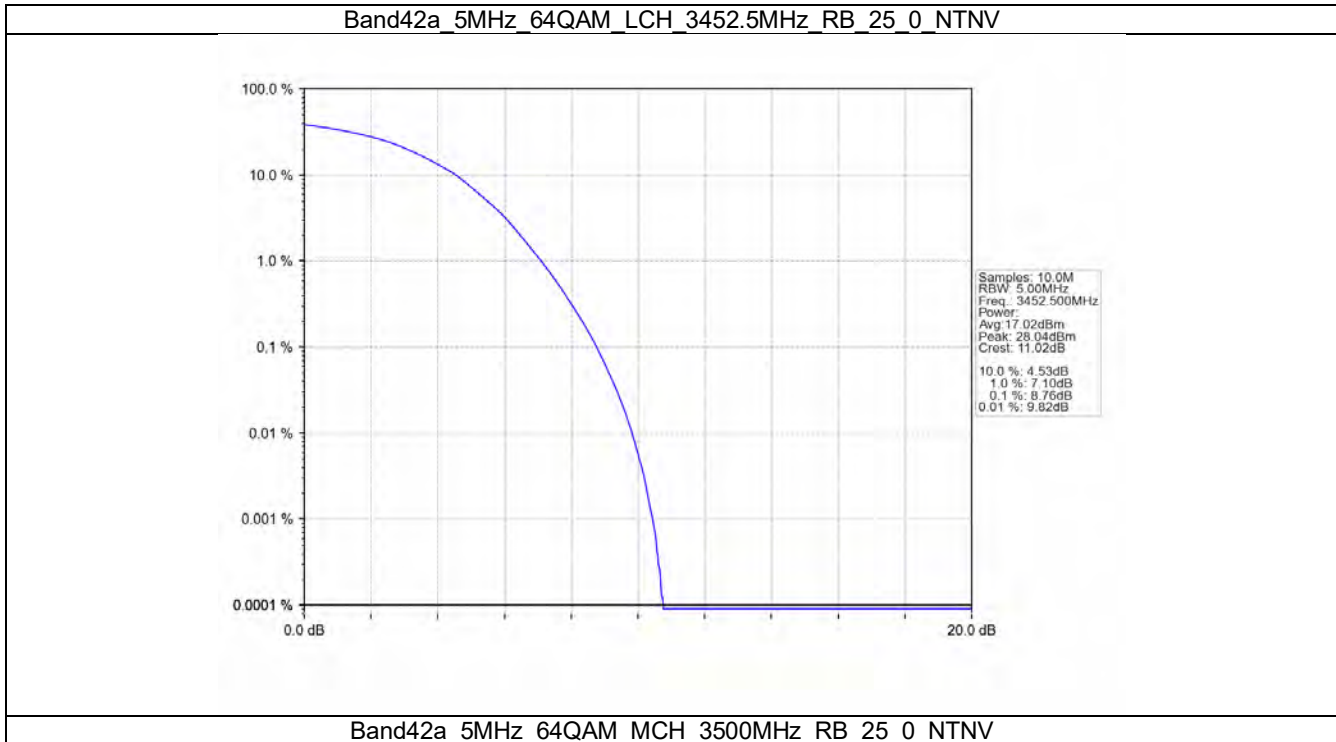


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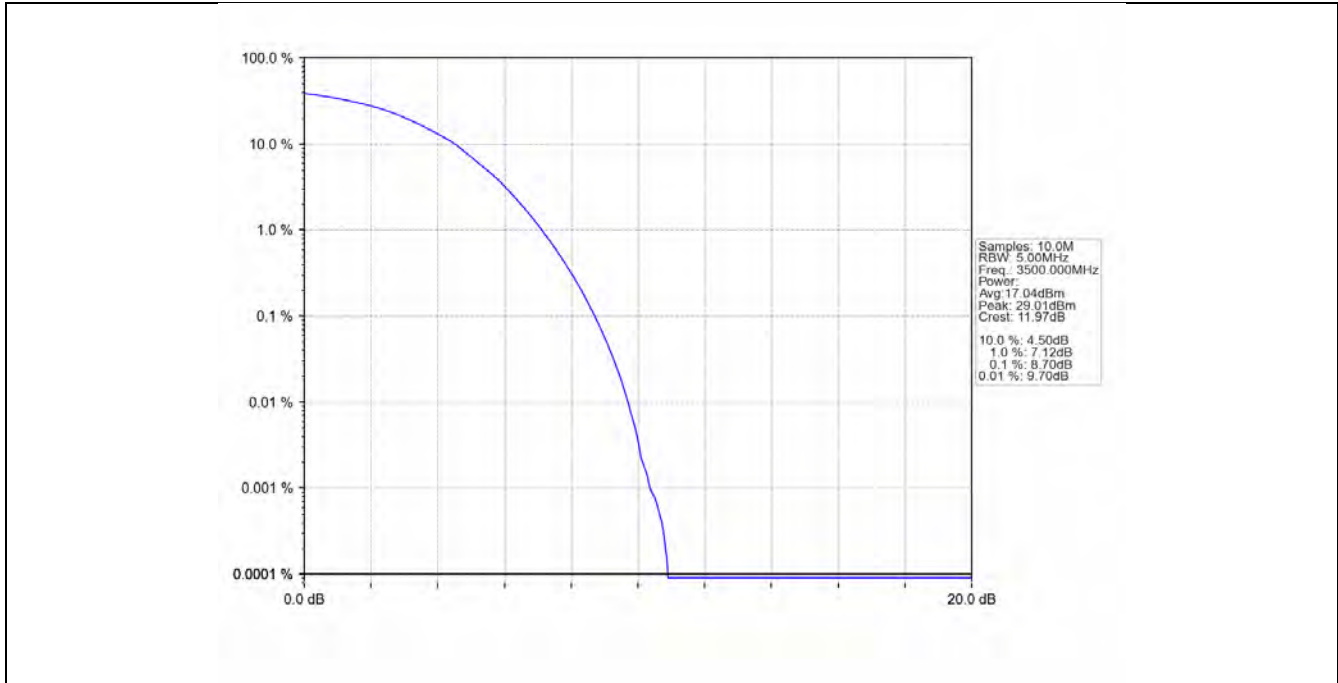


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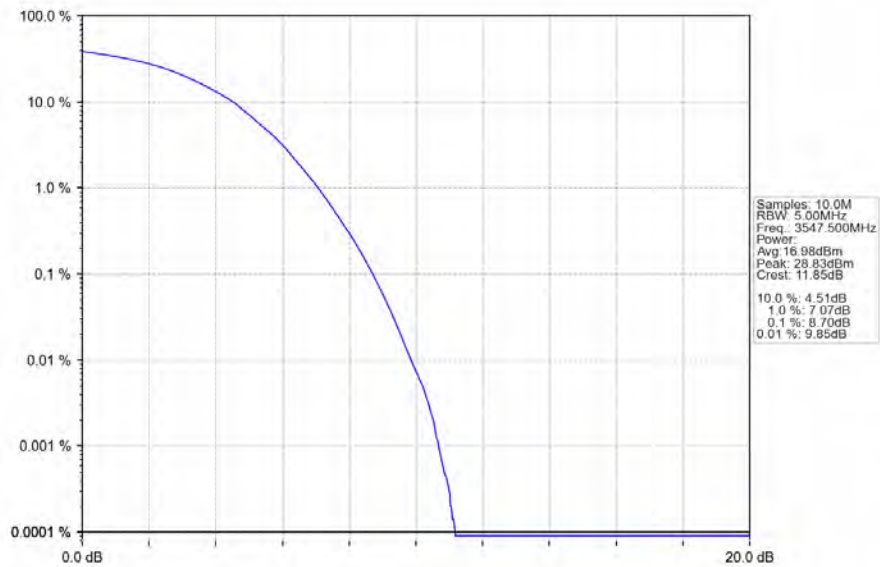
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Band42a_5MHz_64QAM_HCH_3547.5MHz_RB_25_0_NTNV



Band42a_5MHz_256QAM_LCH_3452.5MHz_RB_25_0_NTNV



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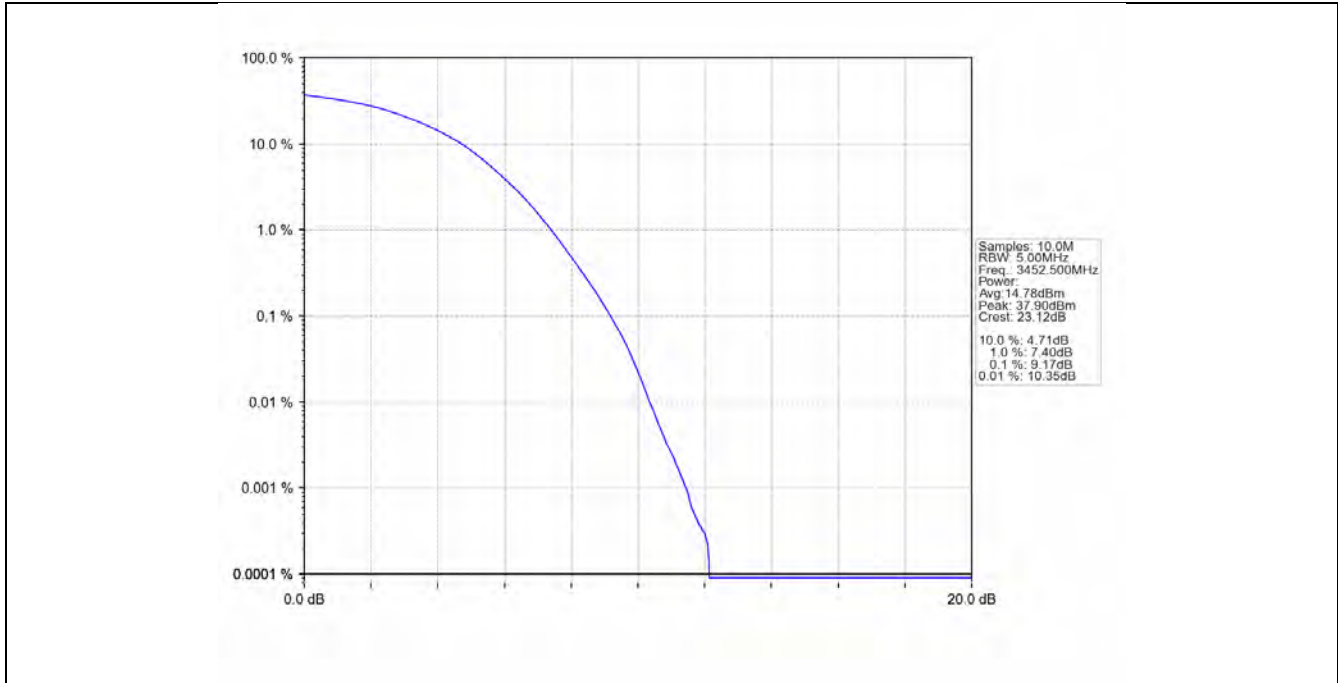


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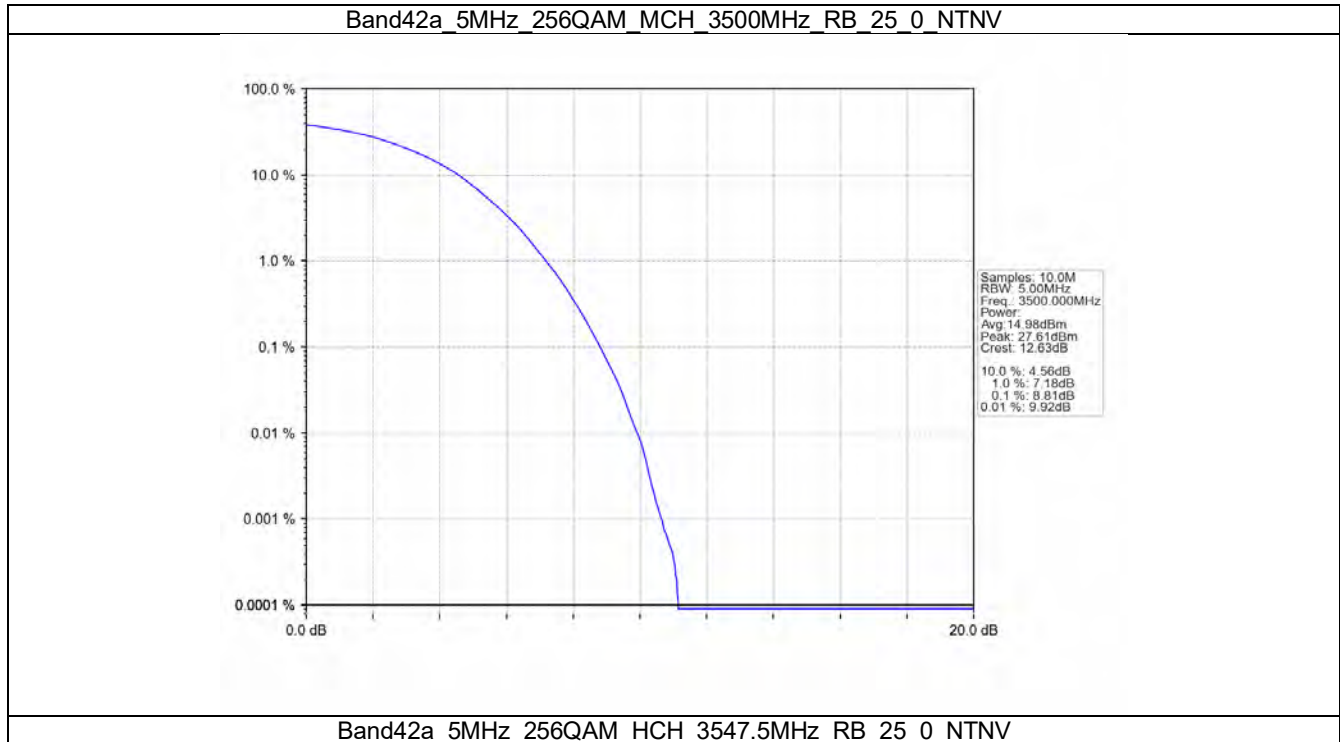


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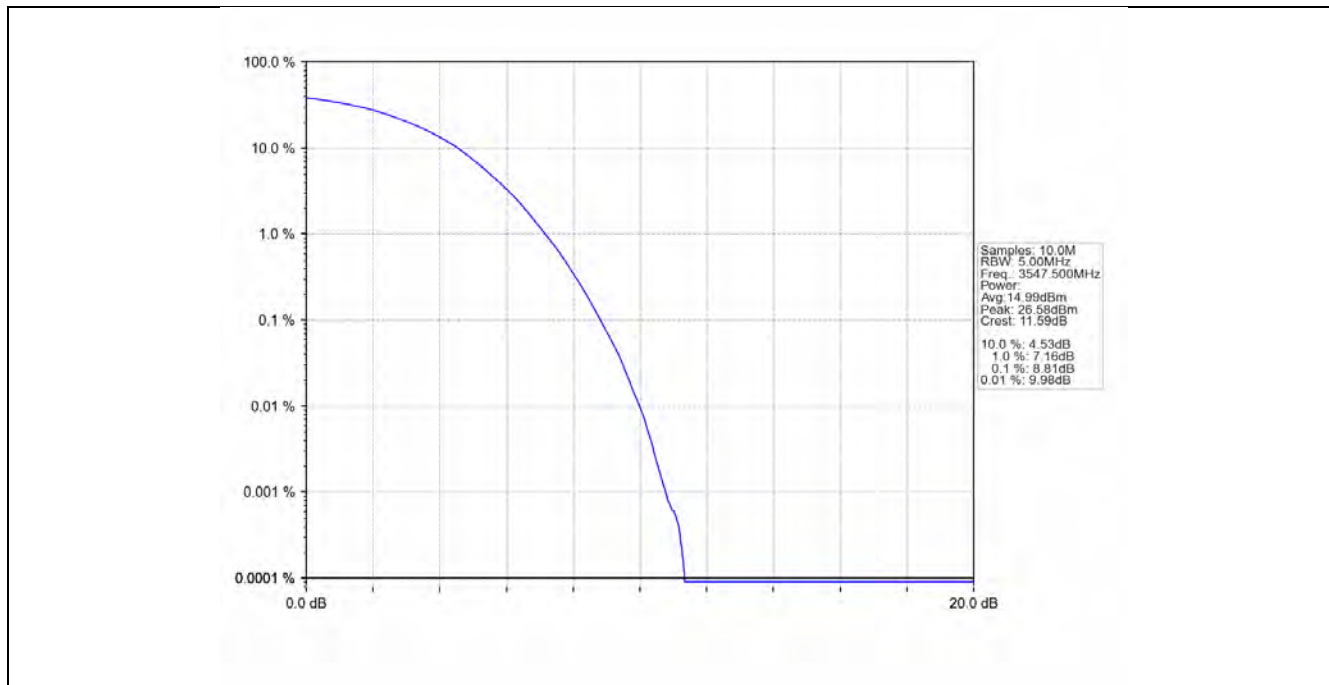
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4.2 B42a_10MHz

4.2.1 Test Result

Band: 42a / Bandwidth: 10MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3455	50	0	8.56	<=13	Pass
	3500	50	0	8.70	<=13	Pass
	3545	50	0	8.60	<=13	Pass
16QAM	3455	50	0	8.45	<=13	Pass
	3500	50	0	8.67	<=13	Pass
	3545	50	0	8.69	<=13	Pass
64QAM	3455	50	0	8.69	<=13	Pass
	3500	50	0	8.65	<=13	Pass
	3545	50	0	8.72	<=13	Pass
256QAM	3455	50	0	8.65	<=13	Pass
	3500	50	0	8.69	<=13	Pass
	3545	50	0	8.67	<=13	Pass



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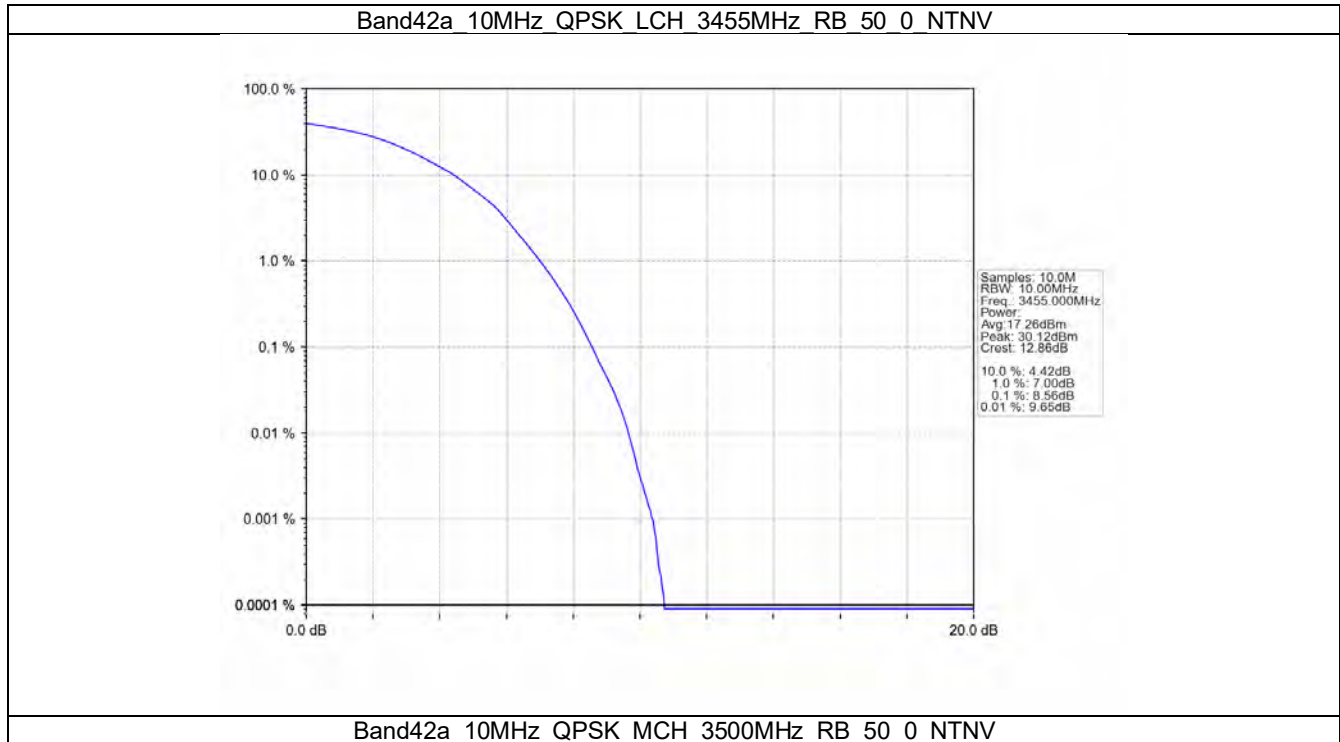


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4.2.2 Test Graph



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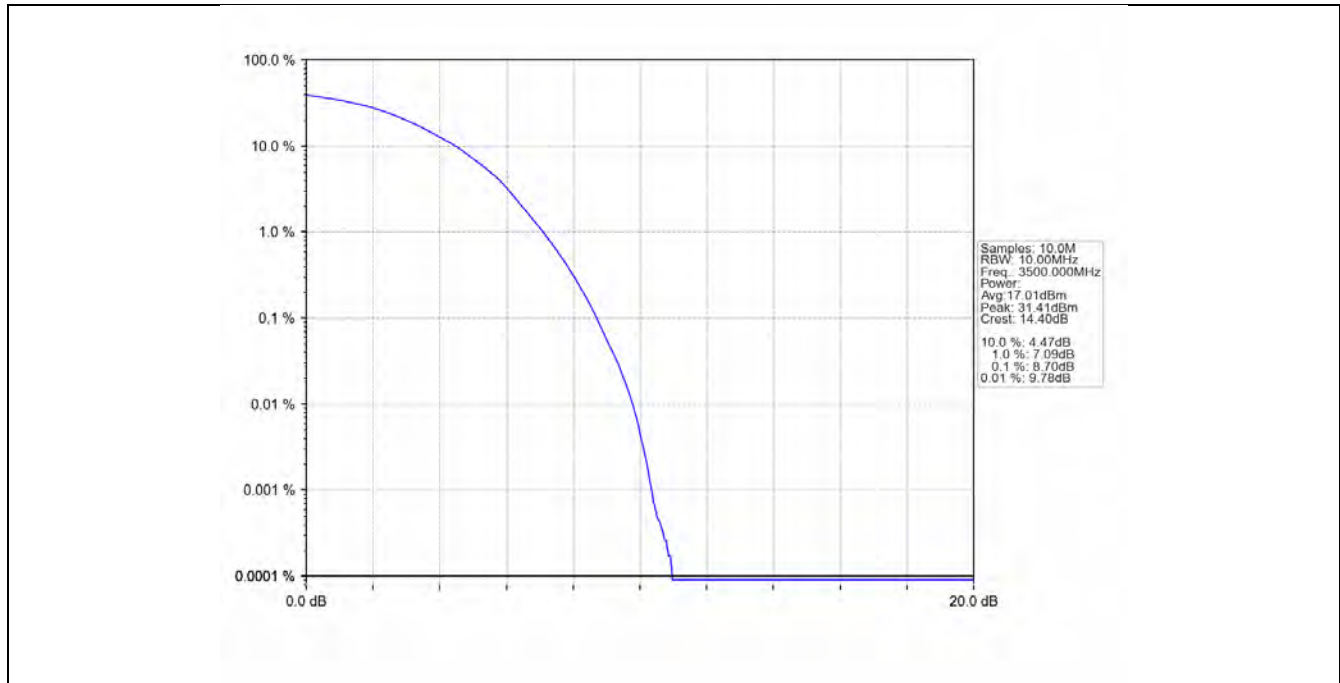


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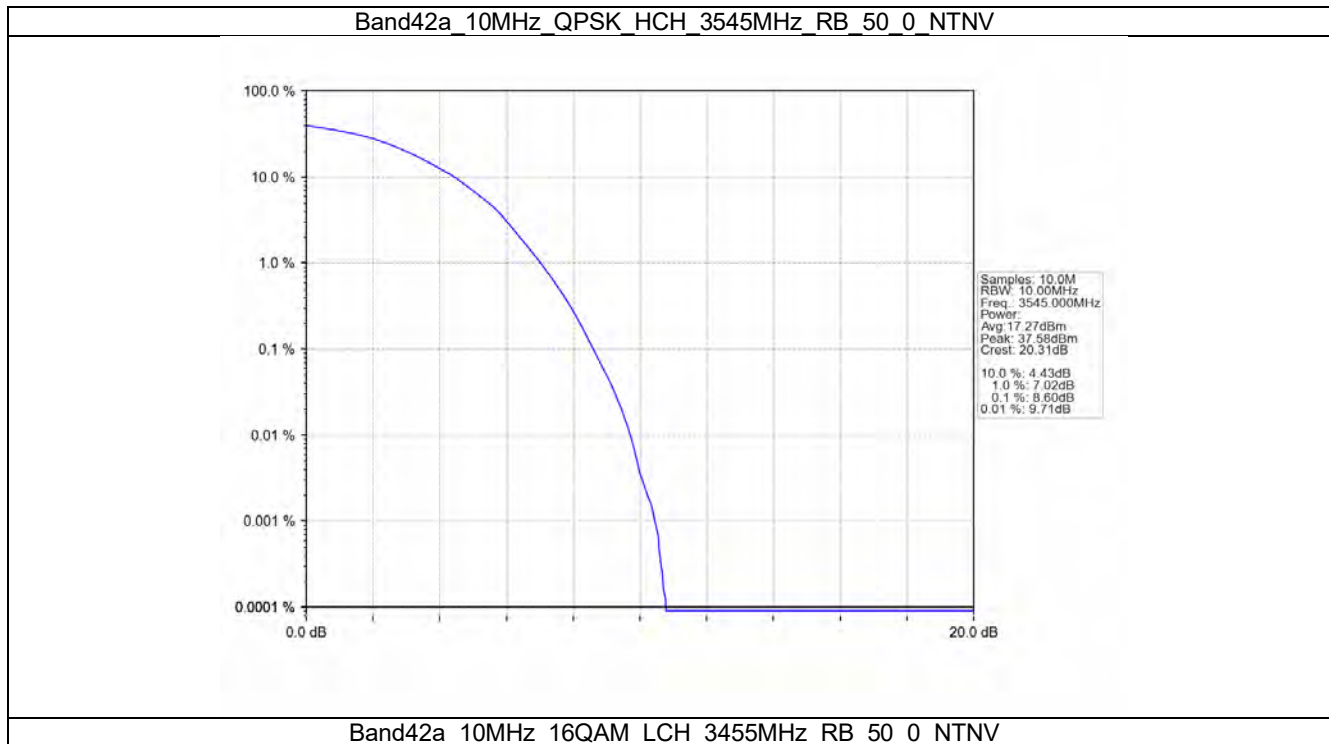
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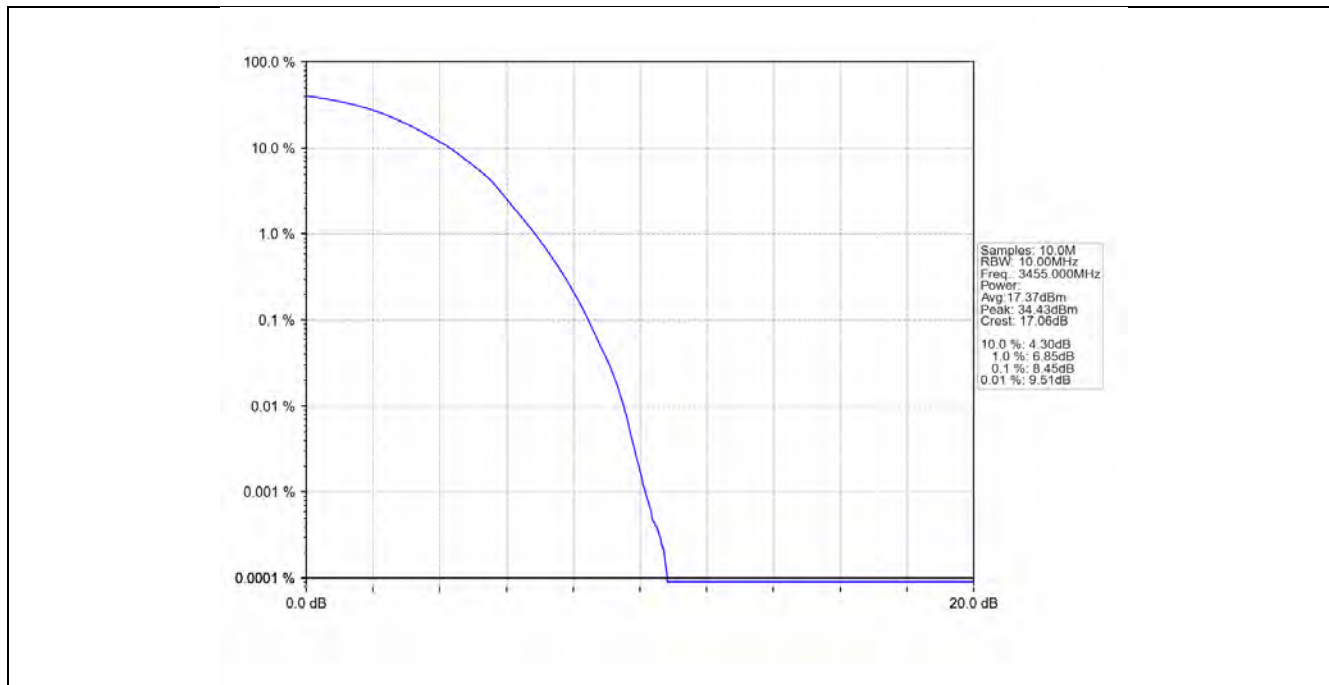
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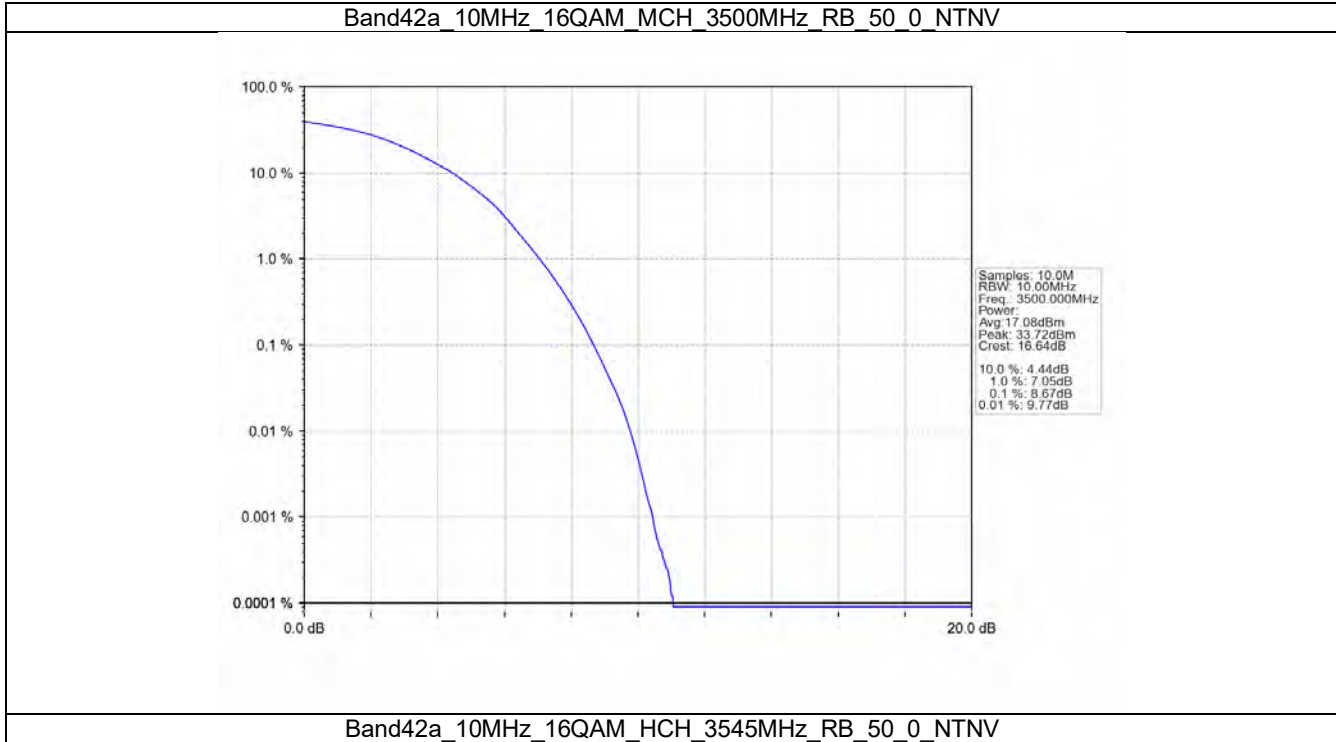


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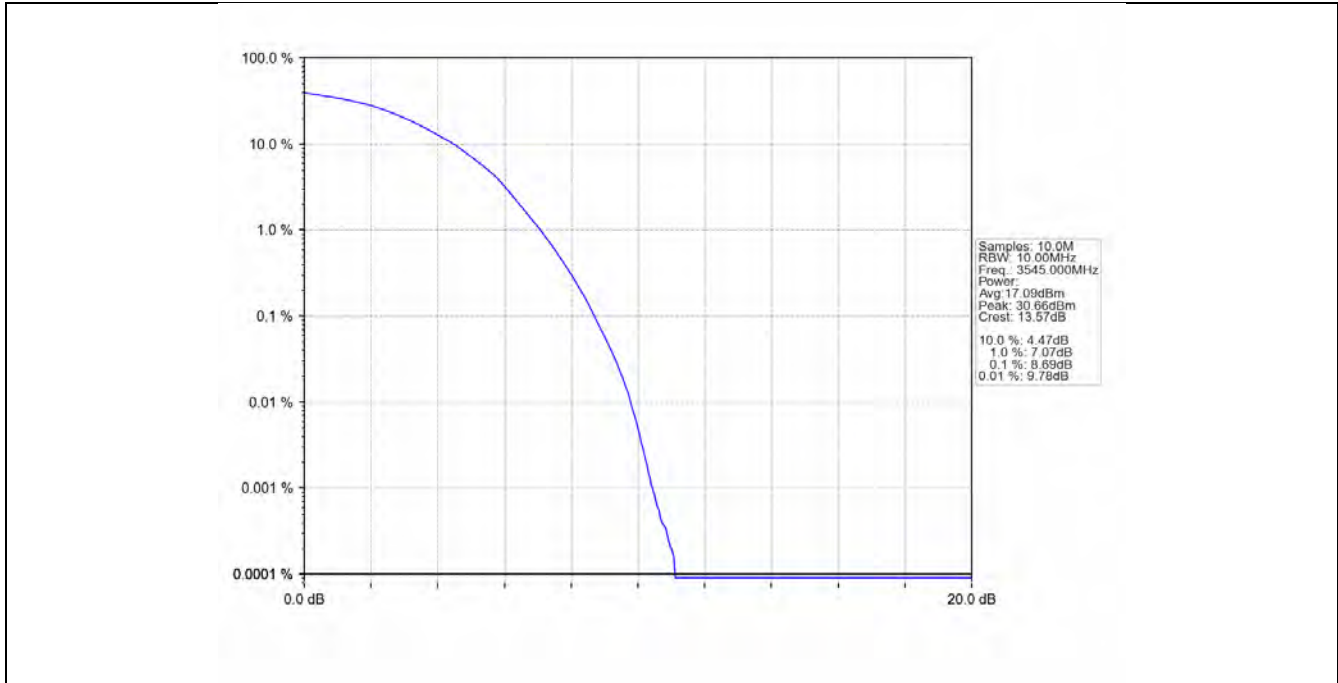


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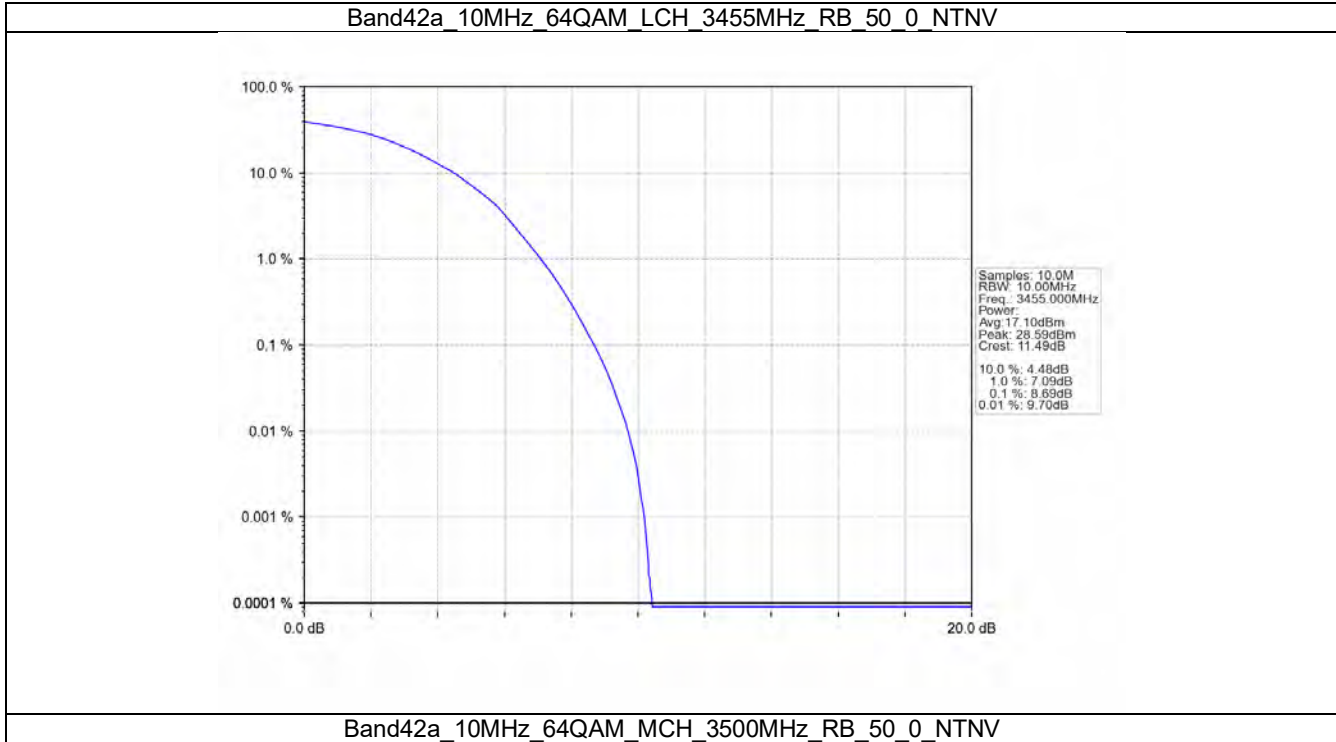


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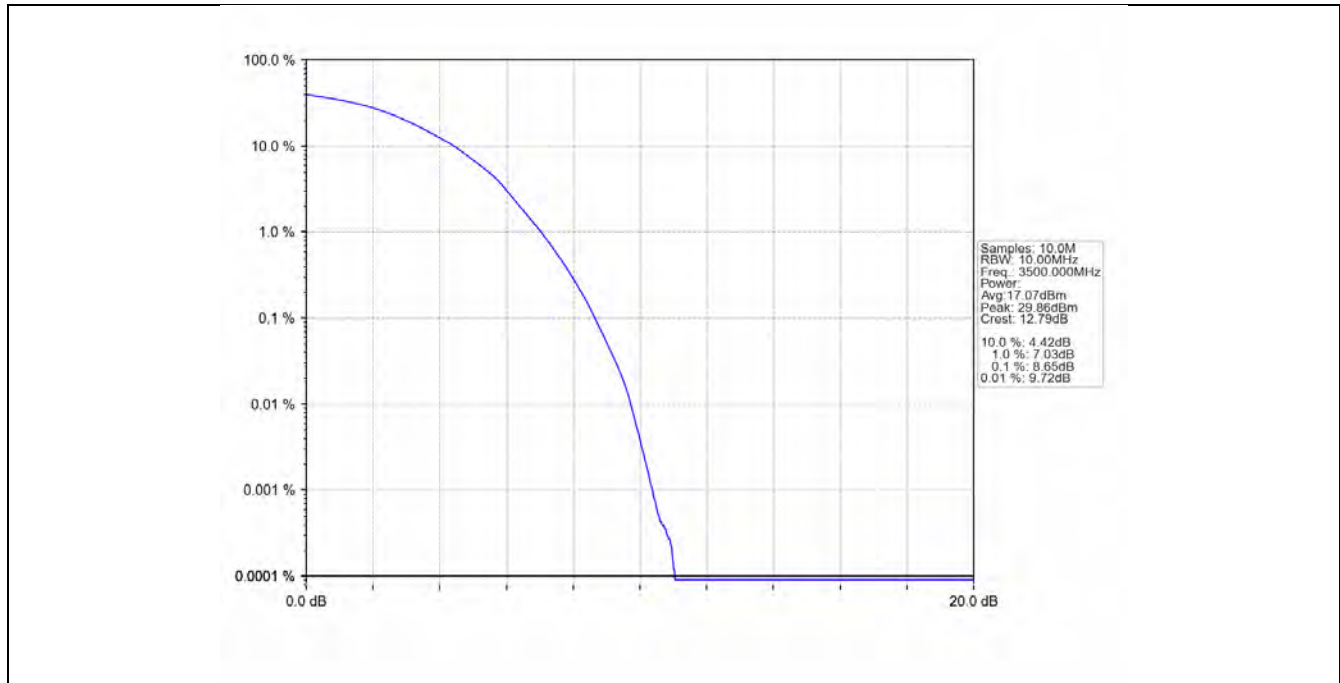


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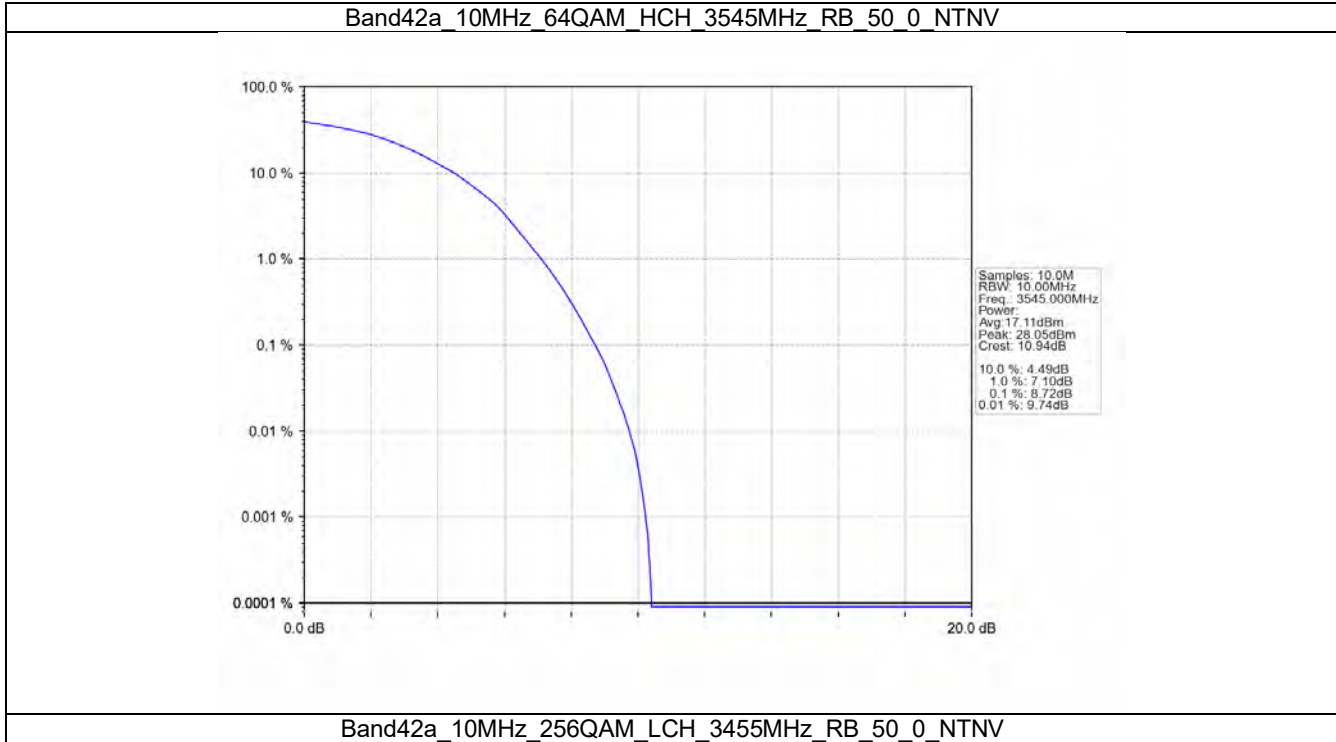


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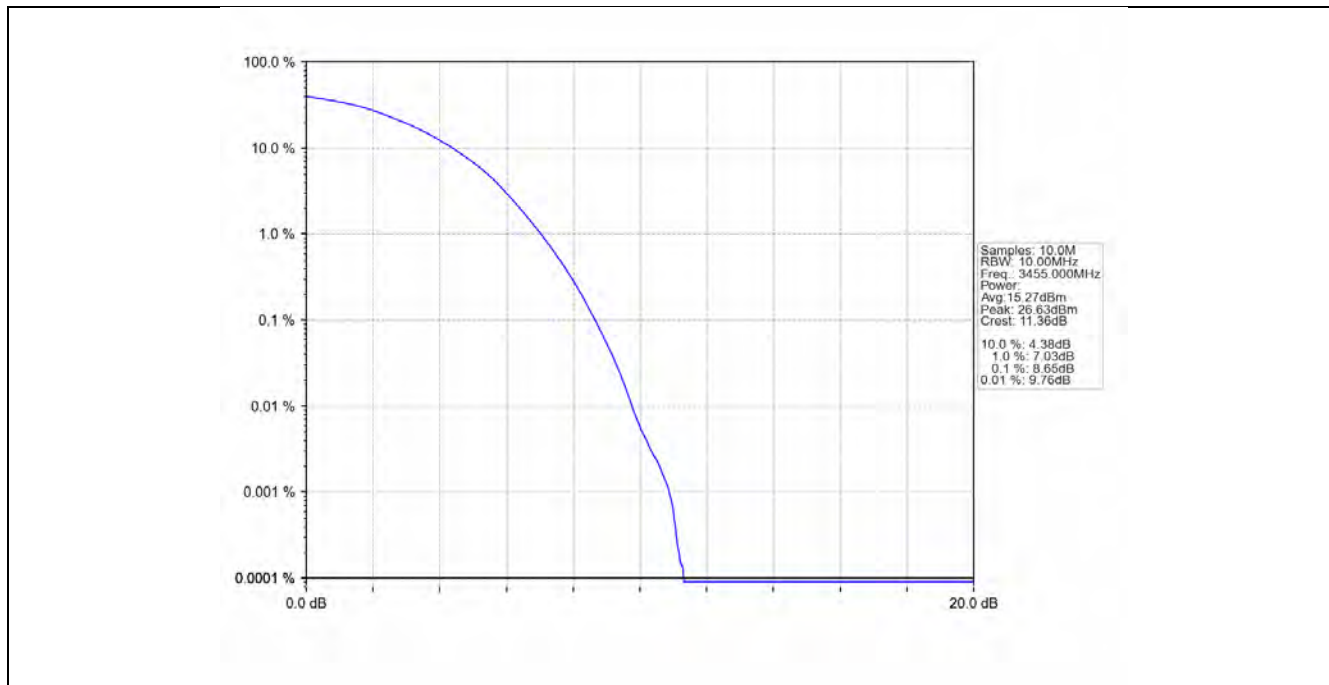
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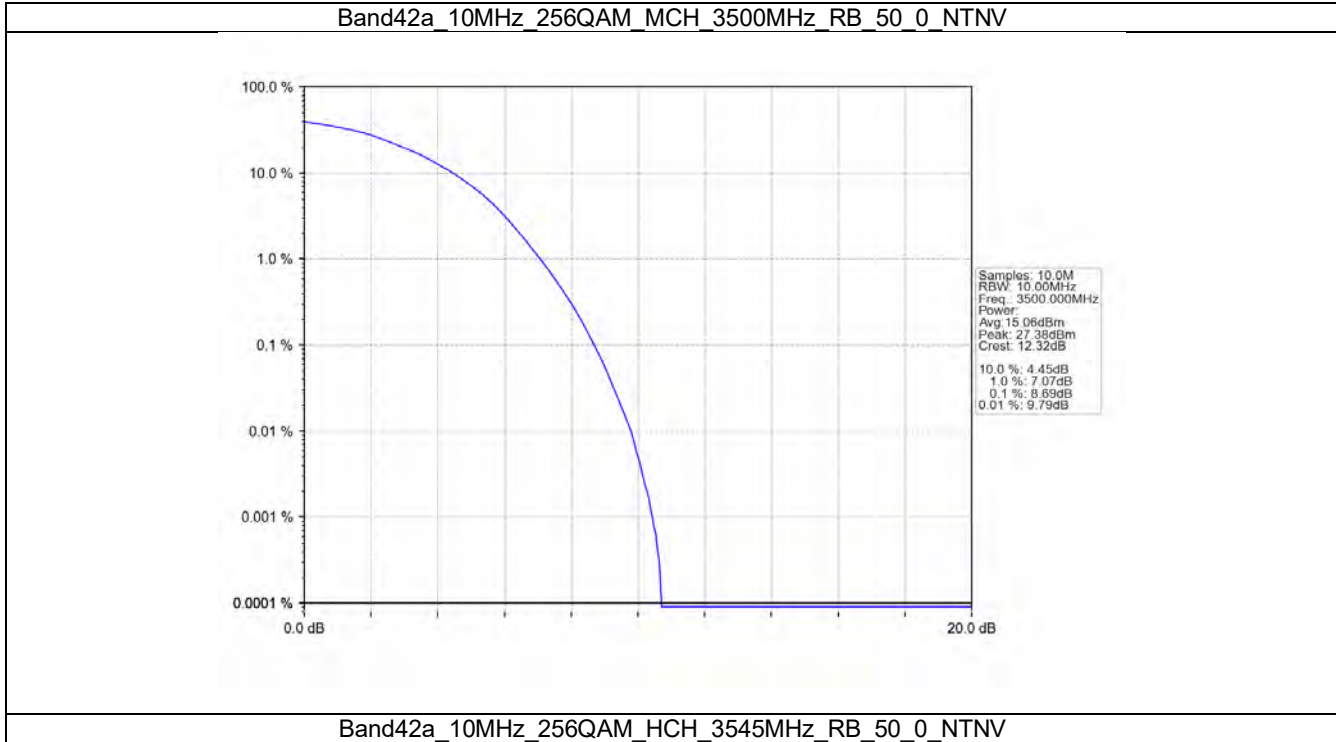


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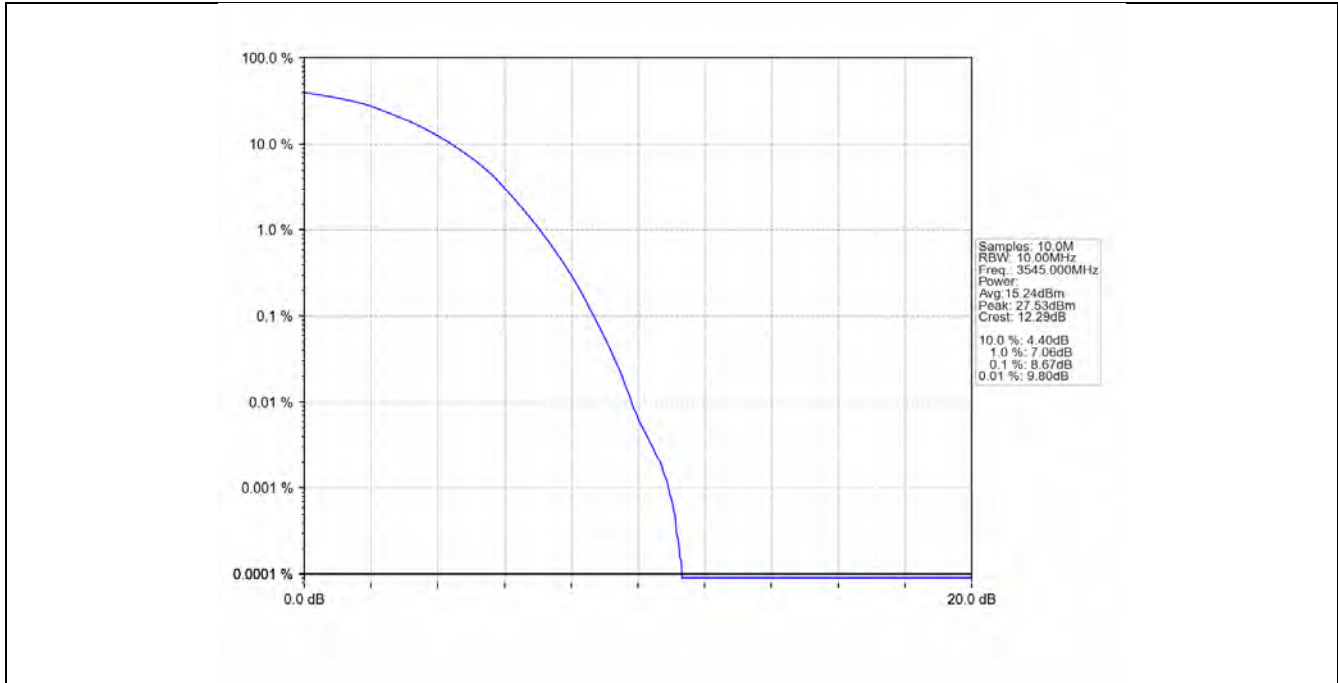
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4.3 B42a_15MHz

4.3.1 Test Result

Band: 42a / Bandwidth: 15MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3457.5	75	0	8.61	<=13	Pass
	3500	75	0	8.57	<=13	Pass
	3542.5	75	0	8.79	<=13	Pass
16QAM	3457.5	75	0	8.74	<=13	Pass
	3500	75	0	8.54	<=13	Pass
	3542.5	75	0	8.45	<=13	Pass
64QAM	3457.5	75	0	8.36	<=13	Pass
	3500	75	0	9.05	<=13	Pass
	3542.5	75	0	8.76	<=13	Pass
256QAM	3457.5	75	0	8.69	<=13	Pass
	3500	75	0	9.18	<=13	Pass
	3542.5	75	0	8.82	<=13	Pass



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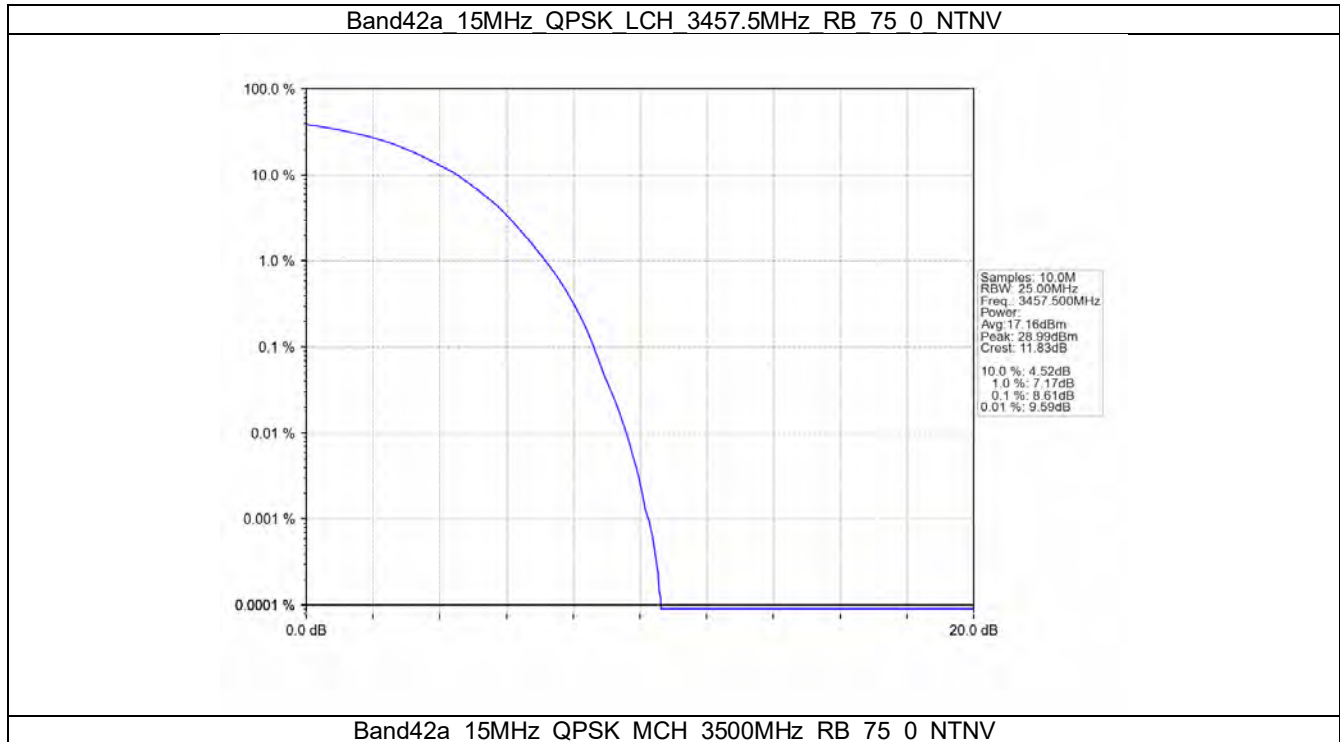
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4.3.2 Test Graph



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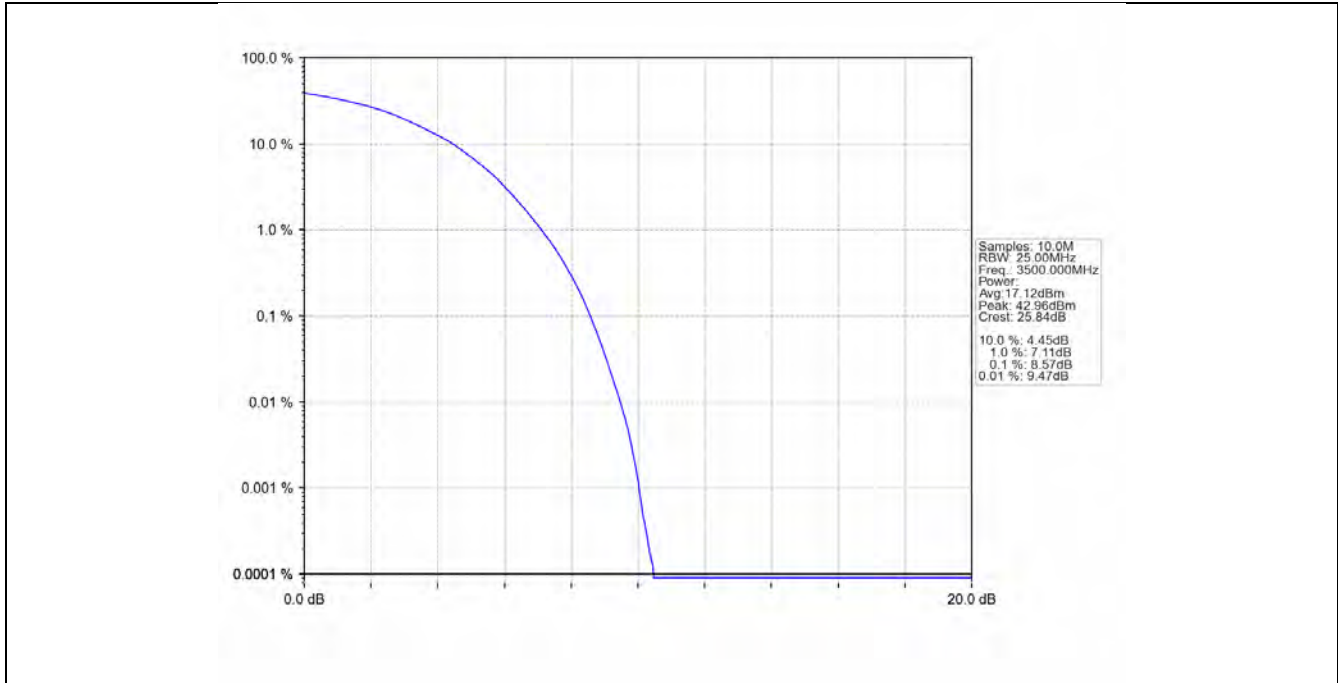


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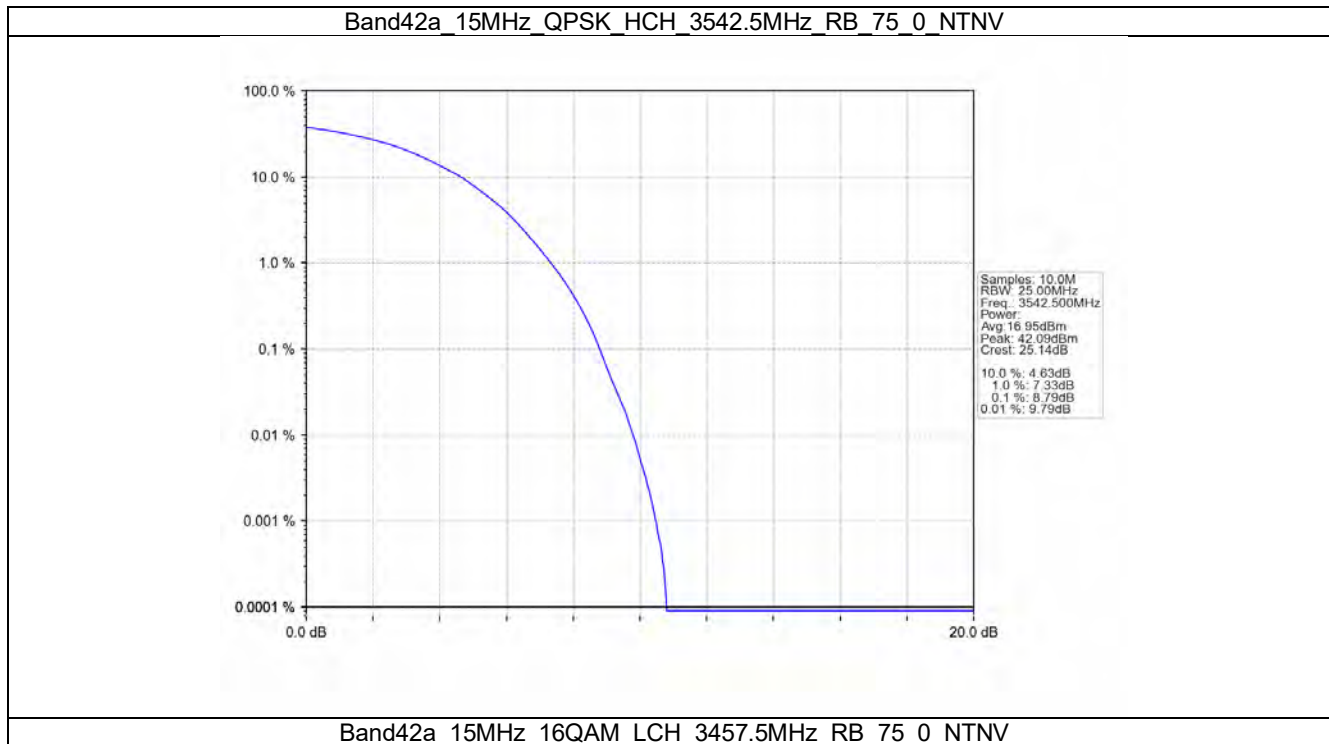
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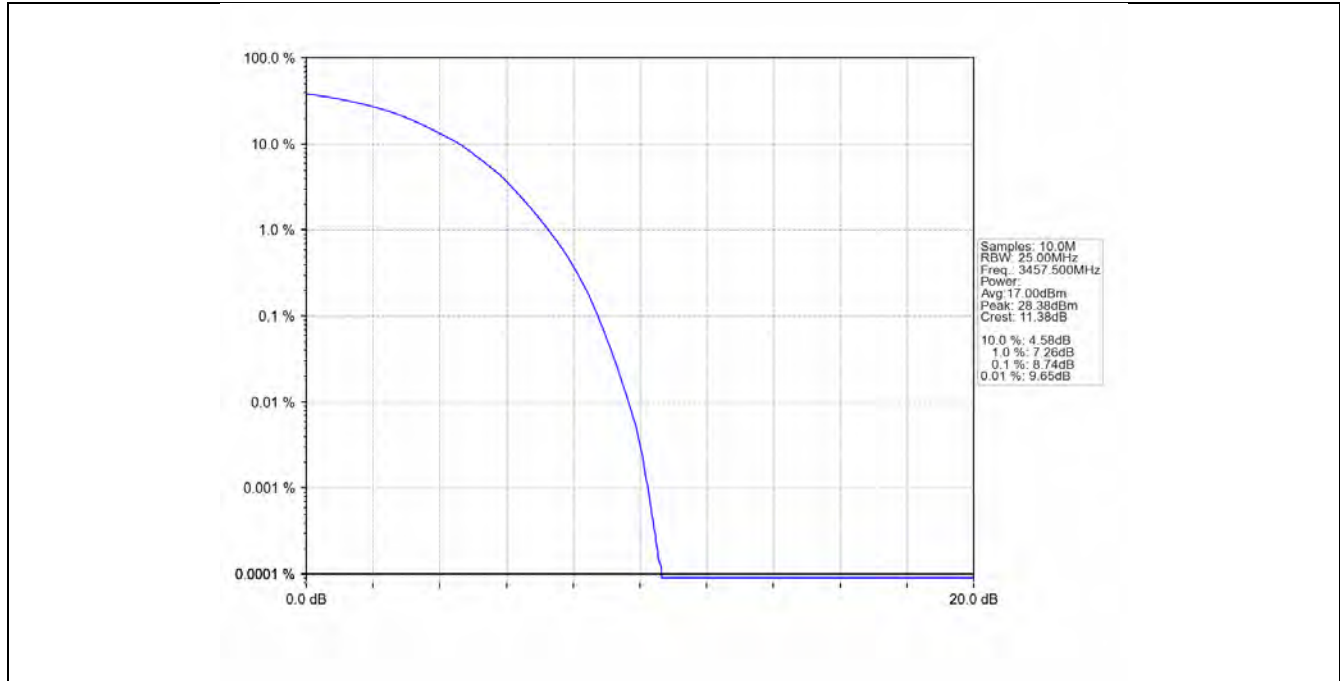


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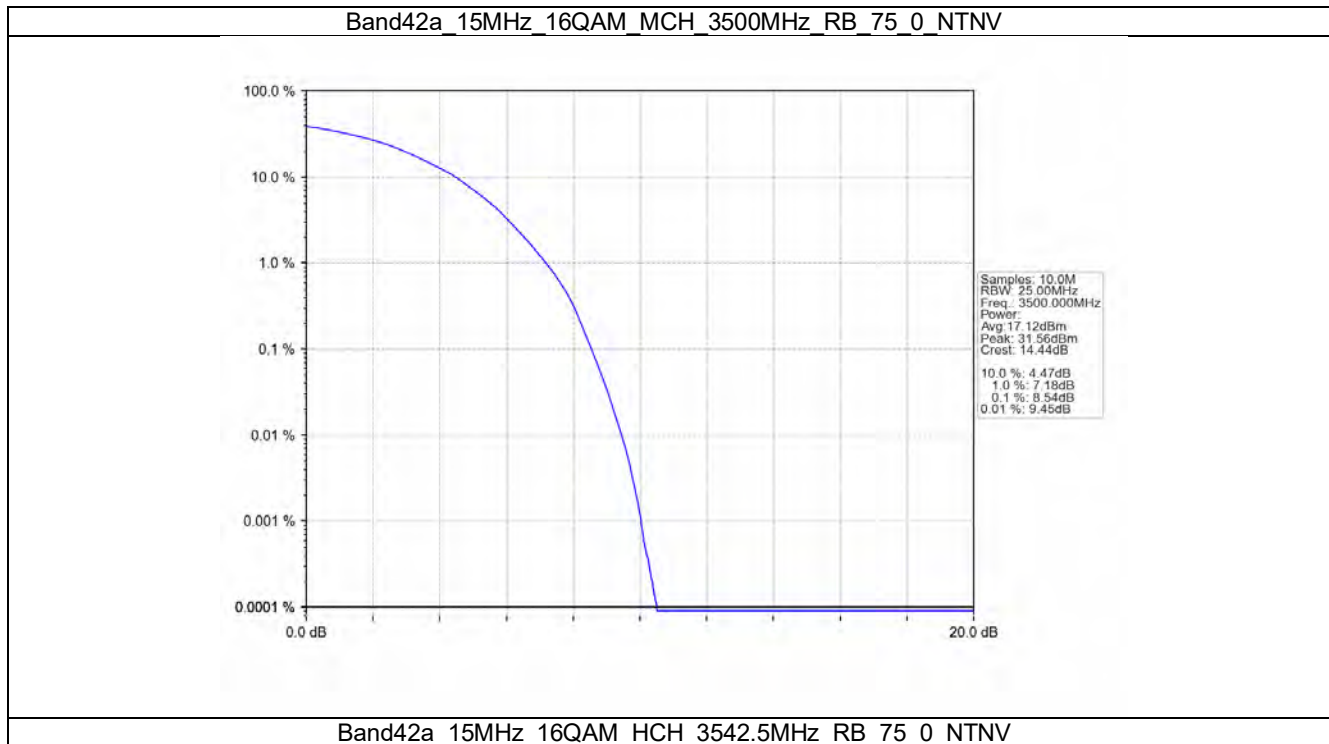
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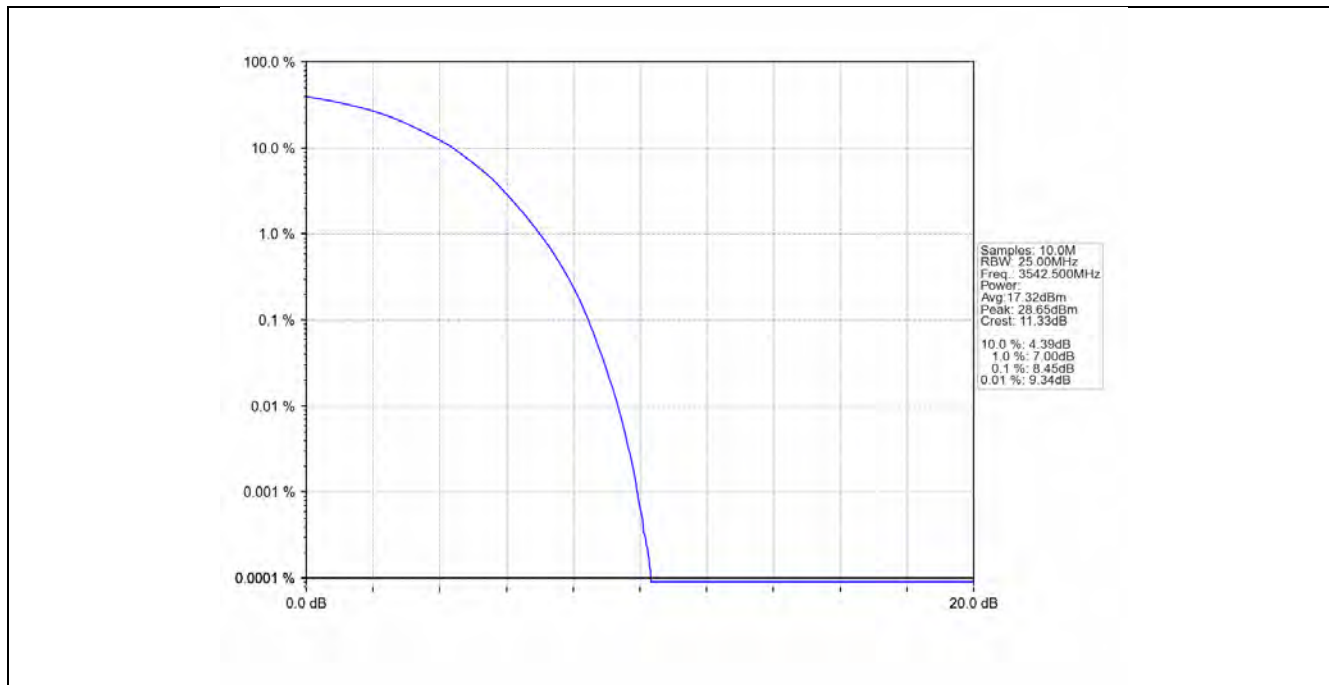
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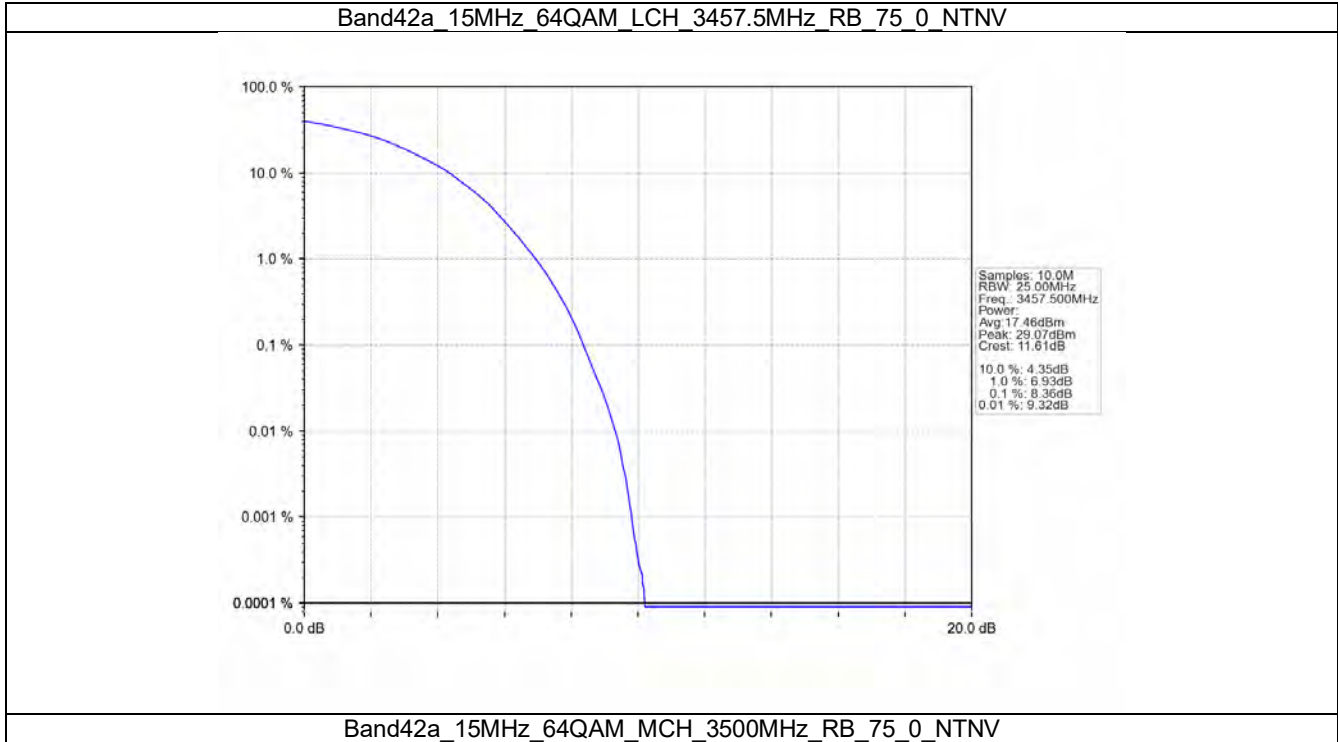


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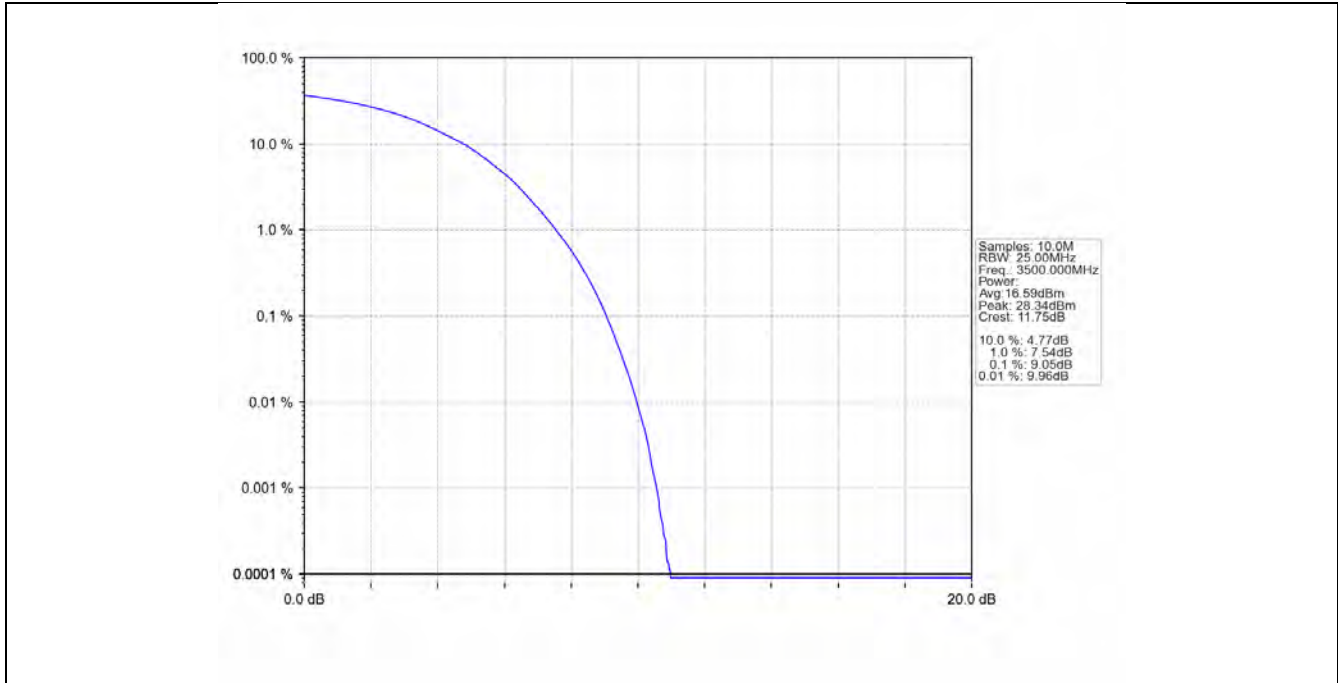


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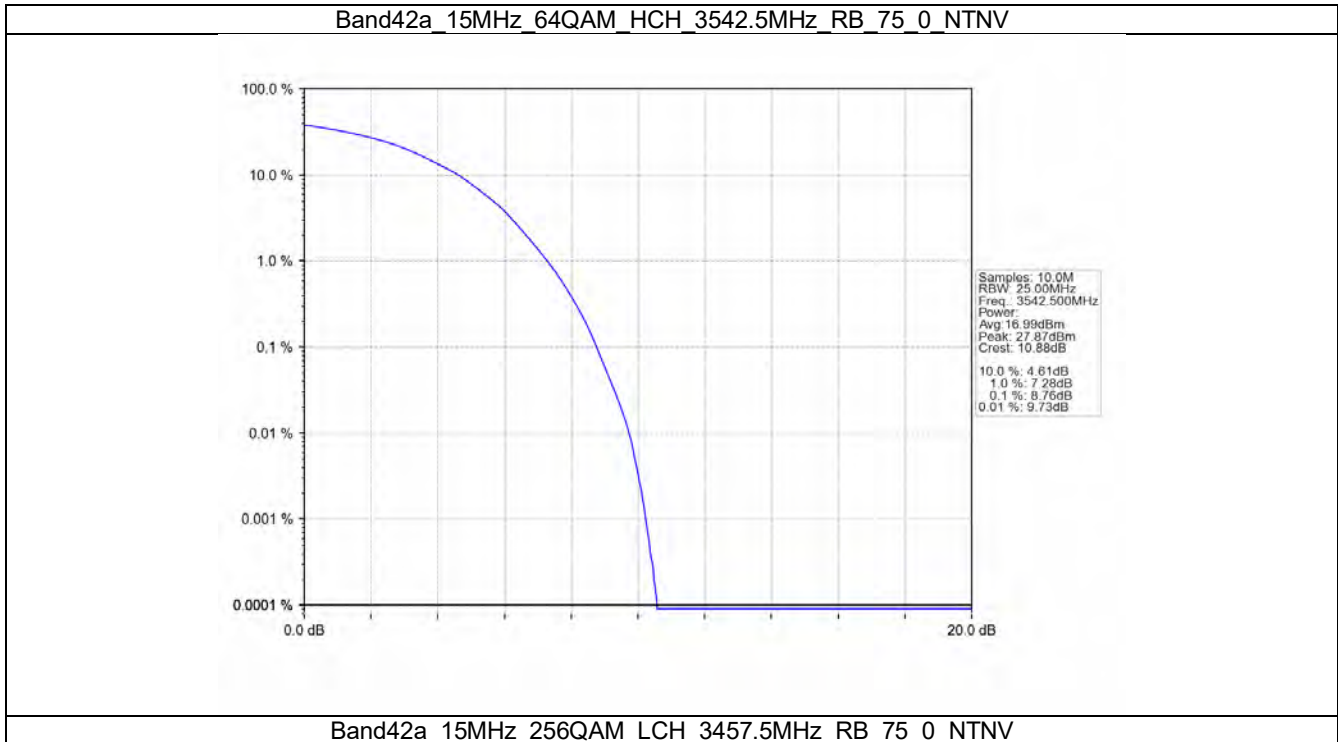


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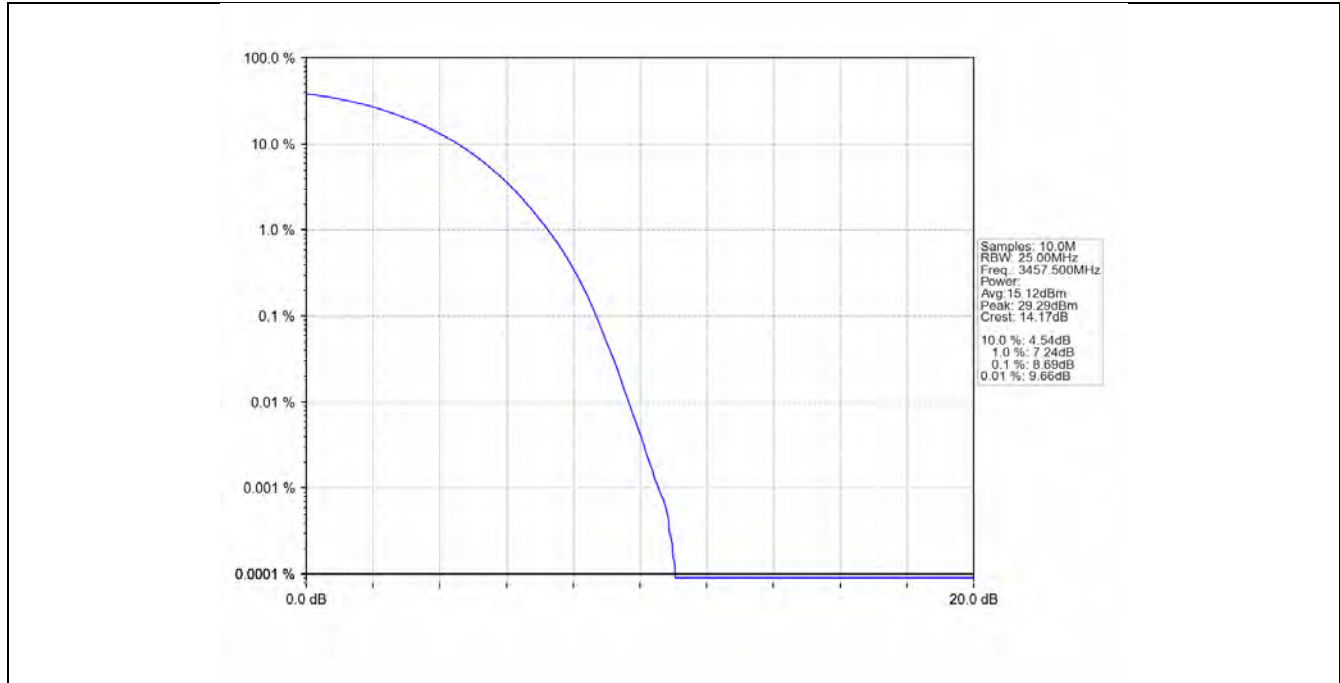


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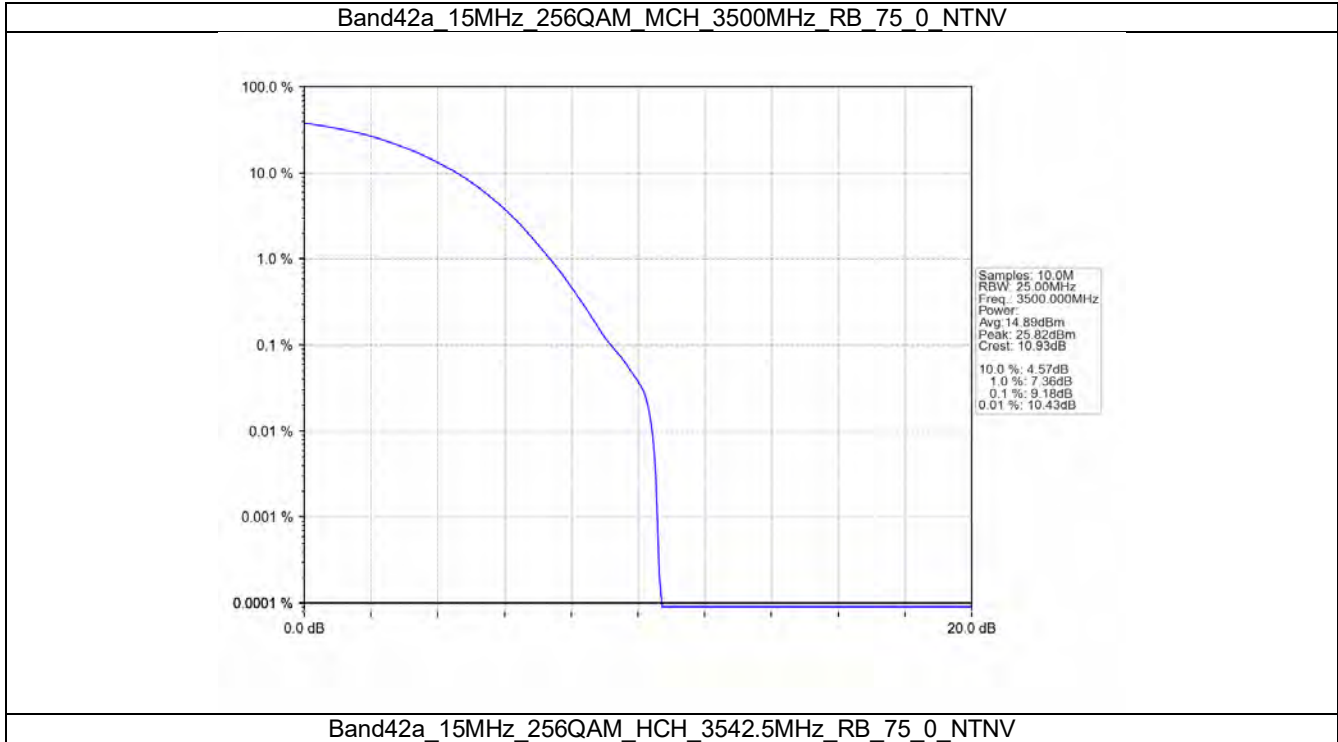


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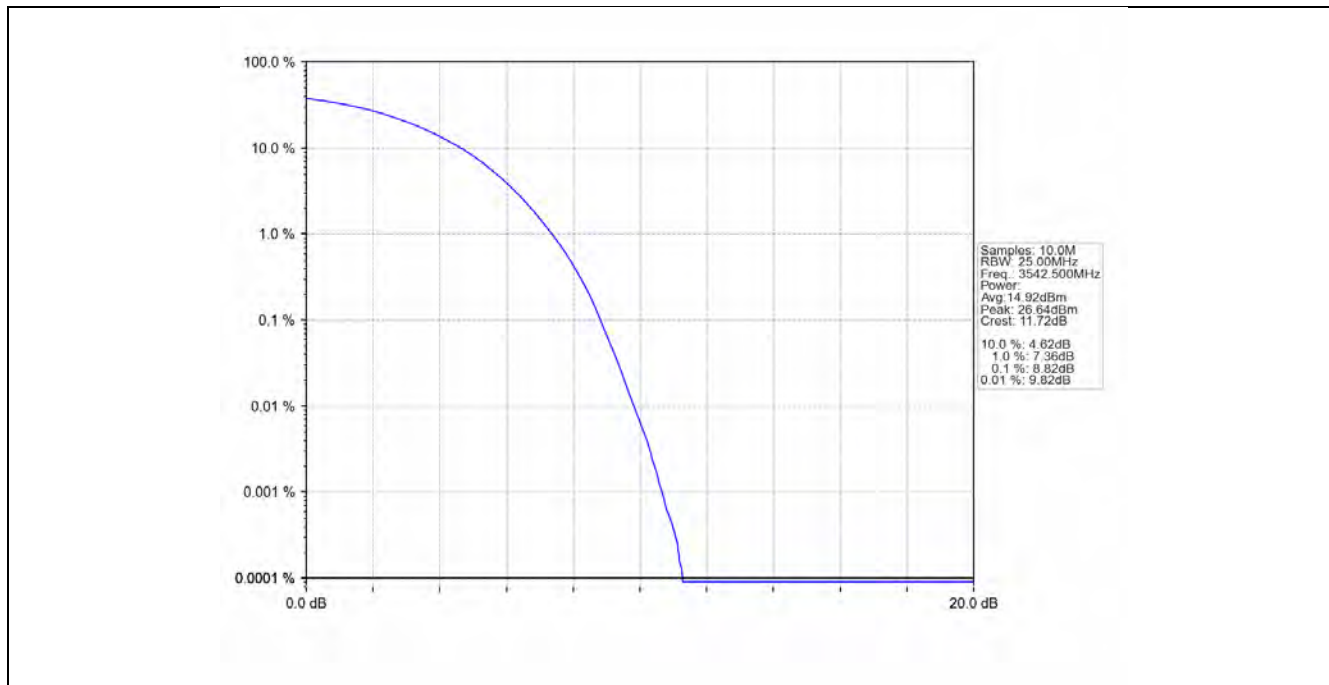
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4.4 B42a_20MHz

4.4.1 Test Result

Band: 42a / Bandwidth: 20MHz / NTNv						
Modulation	Frequency (MHz)	RB Allocation		Peak-Average Ratio (dB)		Verdict
		Size	Offset	Result	Limit	
QPSK	3460	100	0	8.49	<=13	Pass
	3500	100	0	8.27	<=13	Pass
	3540	100	0	7.02	<=13	Pass
16QAM	3460	100	0	8.65	<=13	Pass
	3500	100	0	8.74	<=13	Pass
	3540	100	0	8.17	<=13	Pass
64QAM	3460	100	0	8.67	<=13	Pass
	3500	100	0	8.67	<=13	Pass
	3540	100	0	8.76	<=13	Pass
256QAM	3460	100	0	8.63	<=13	Pass
	3500	100	0	8.76	<=13	Pass
	3540	100	0	8.71	<=13	Pass



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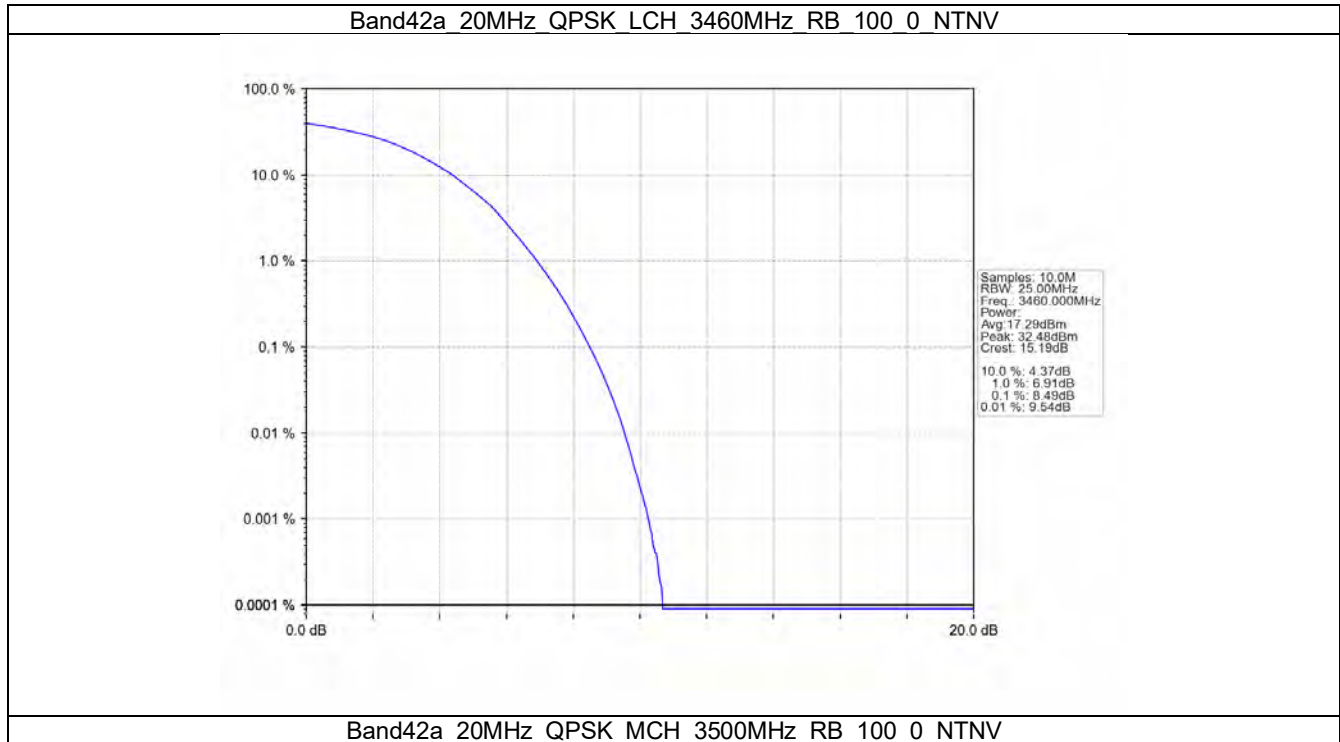
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5.4.2 Test Graph



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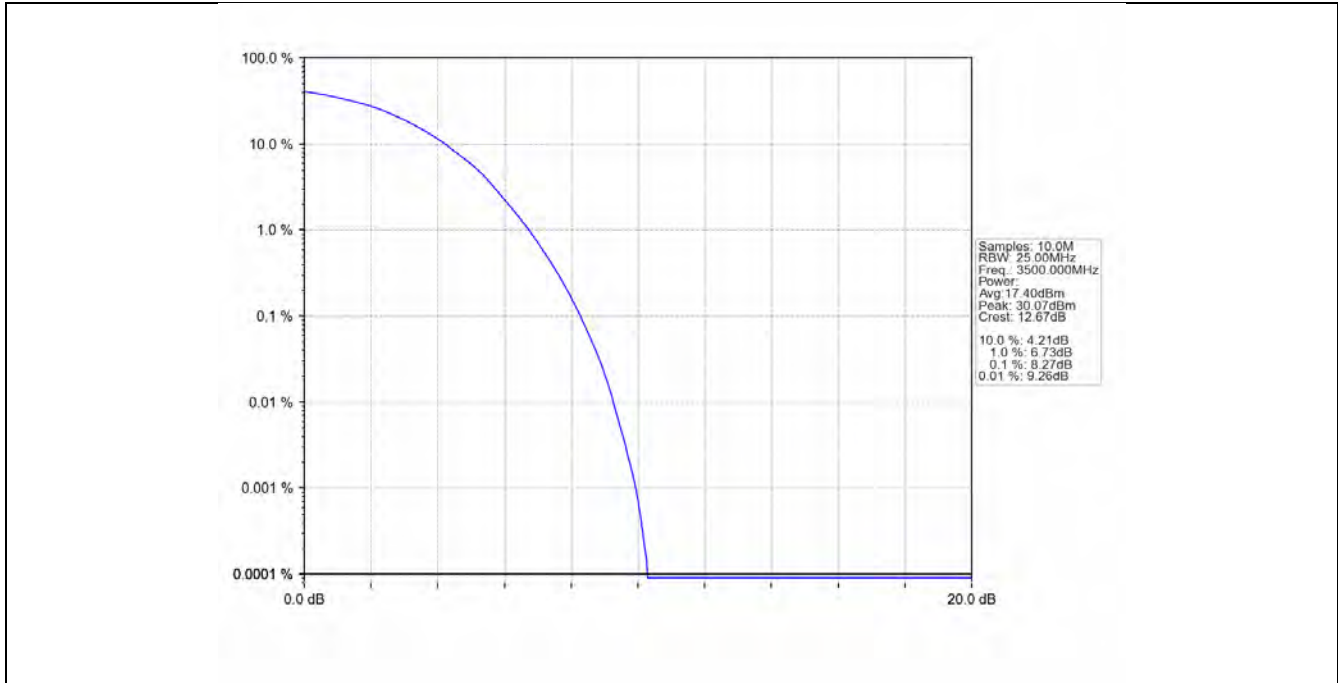


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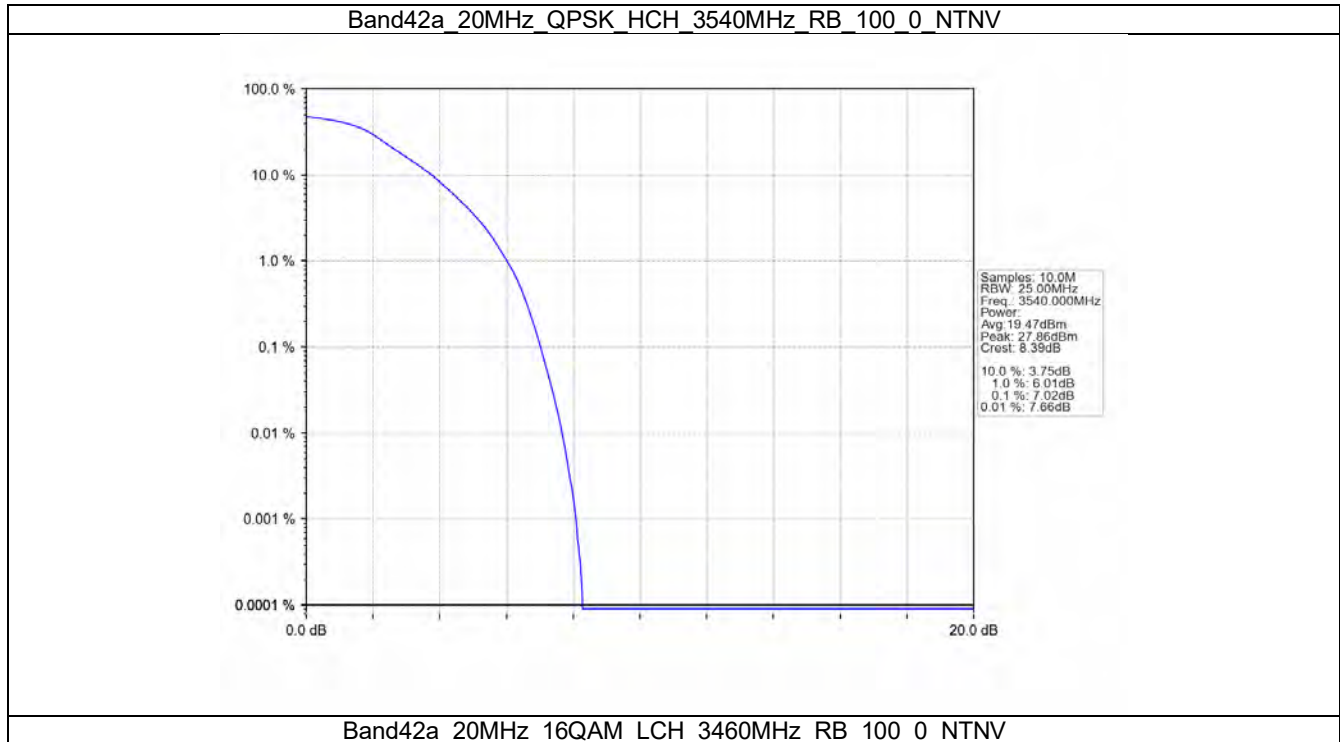


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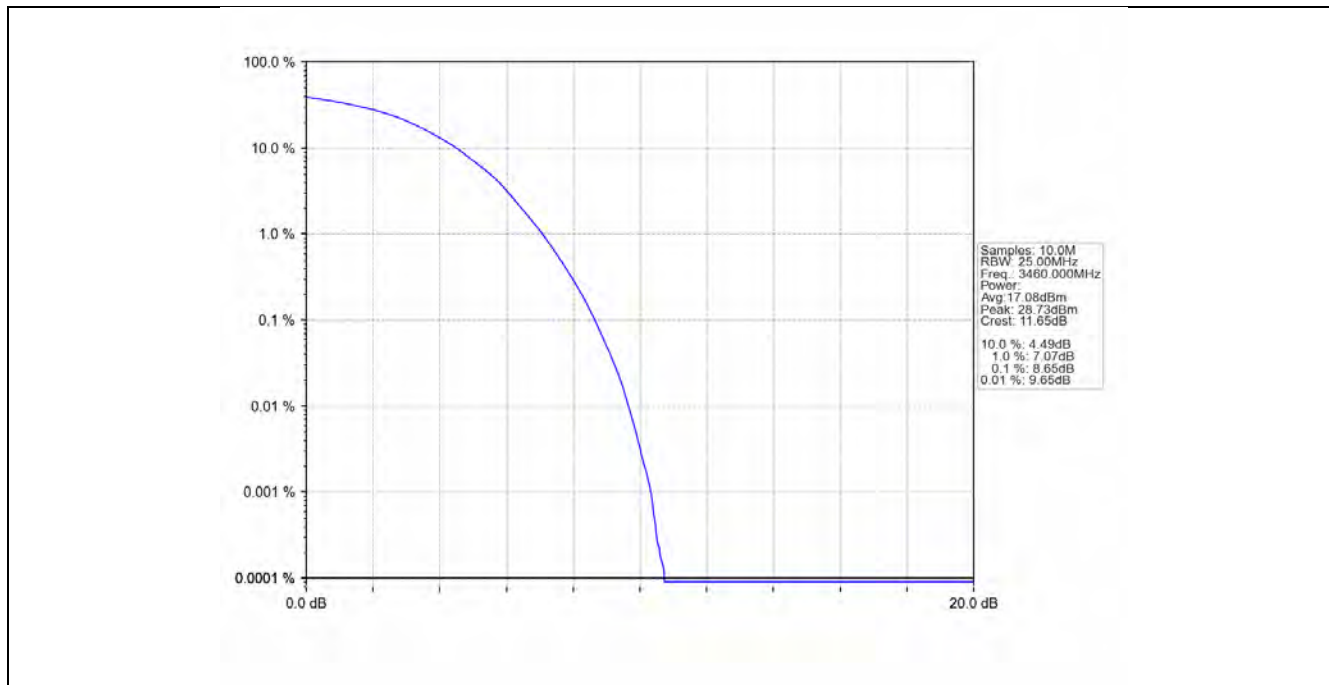
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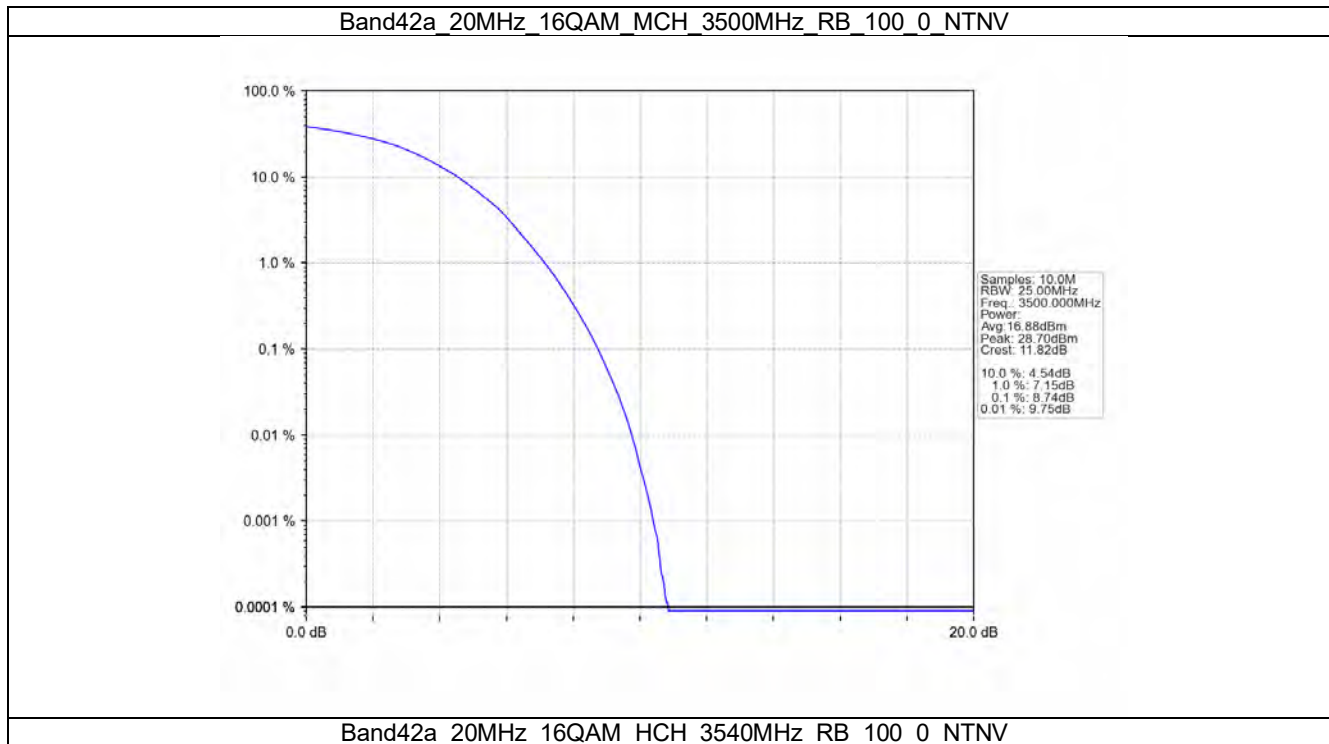
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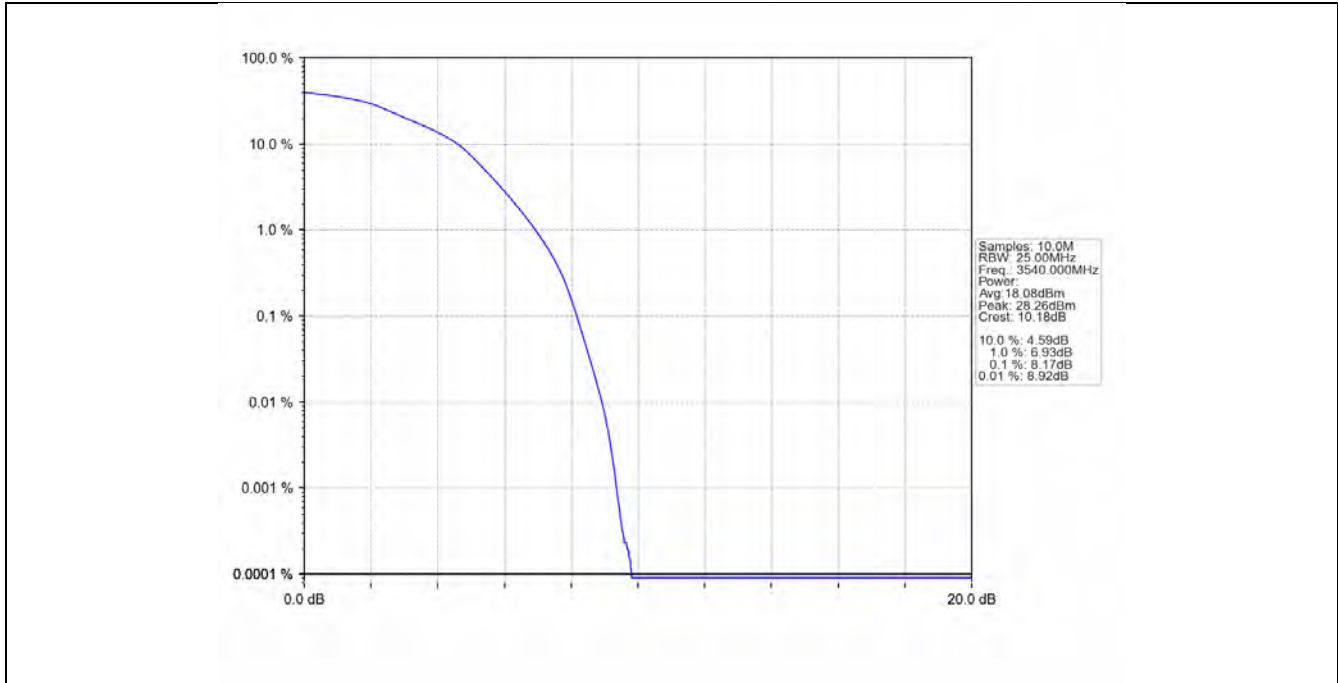


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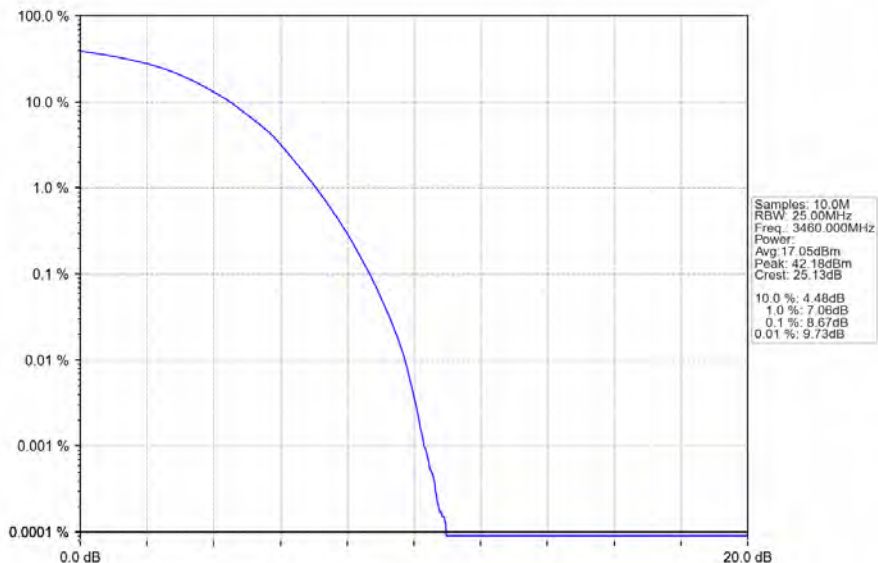
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Band42a 20MHz 64QAM LCH 3460MHz RB 100 0 NTN



Band42a 20MHz 64QAM MCH 3500MHz RB 100 0 NTN



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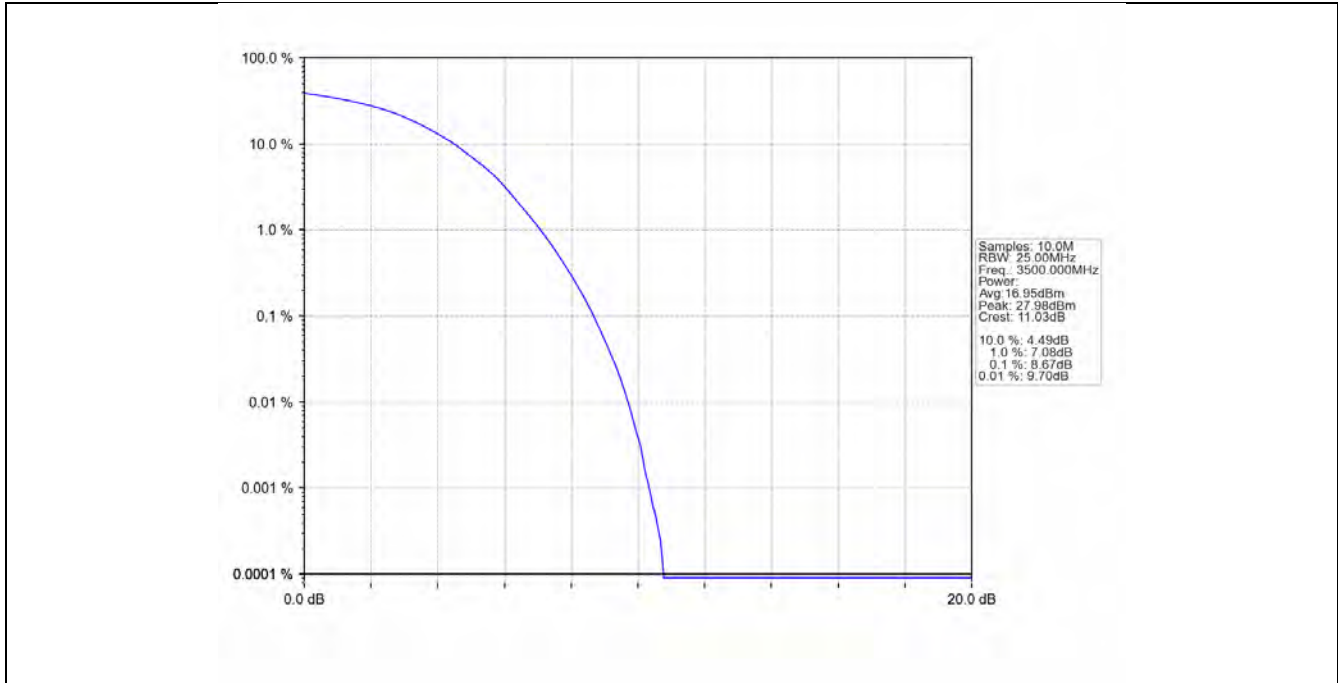


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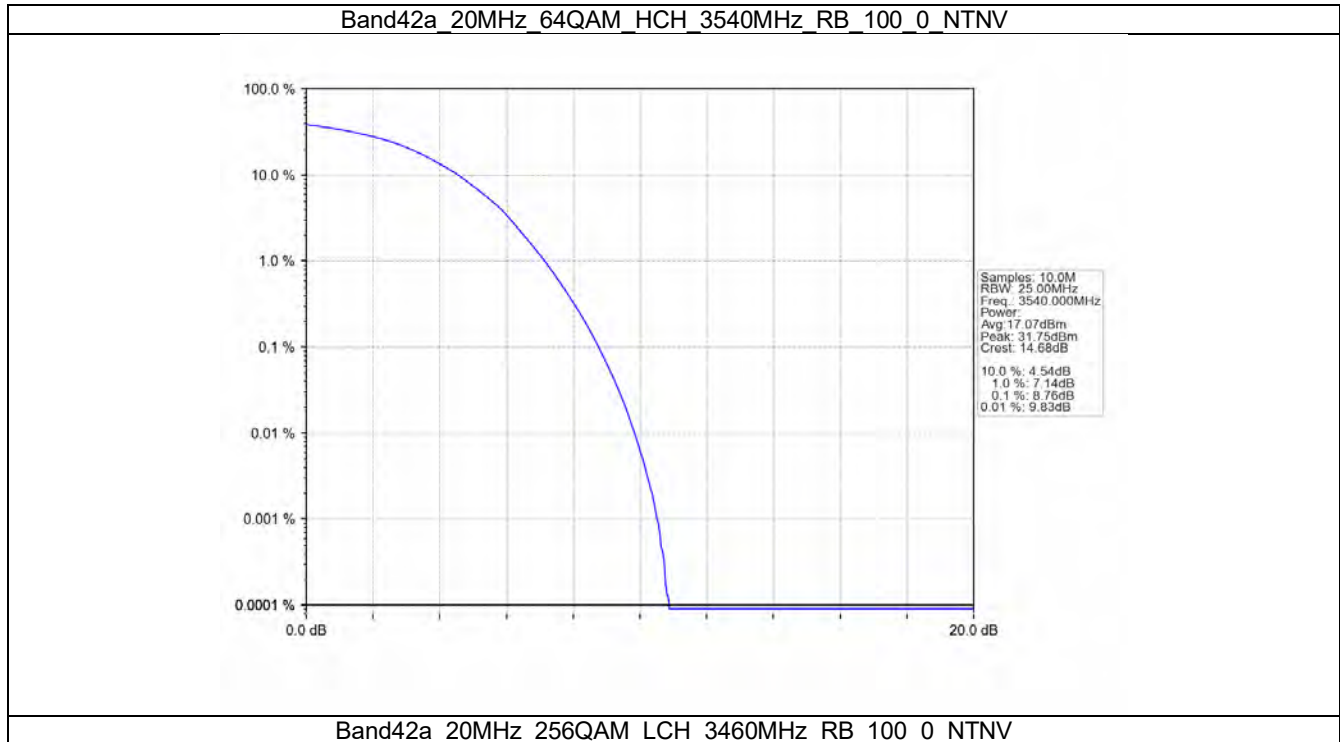


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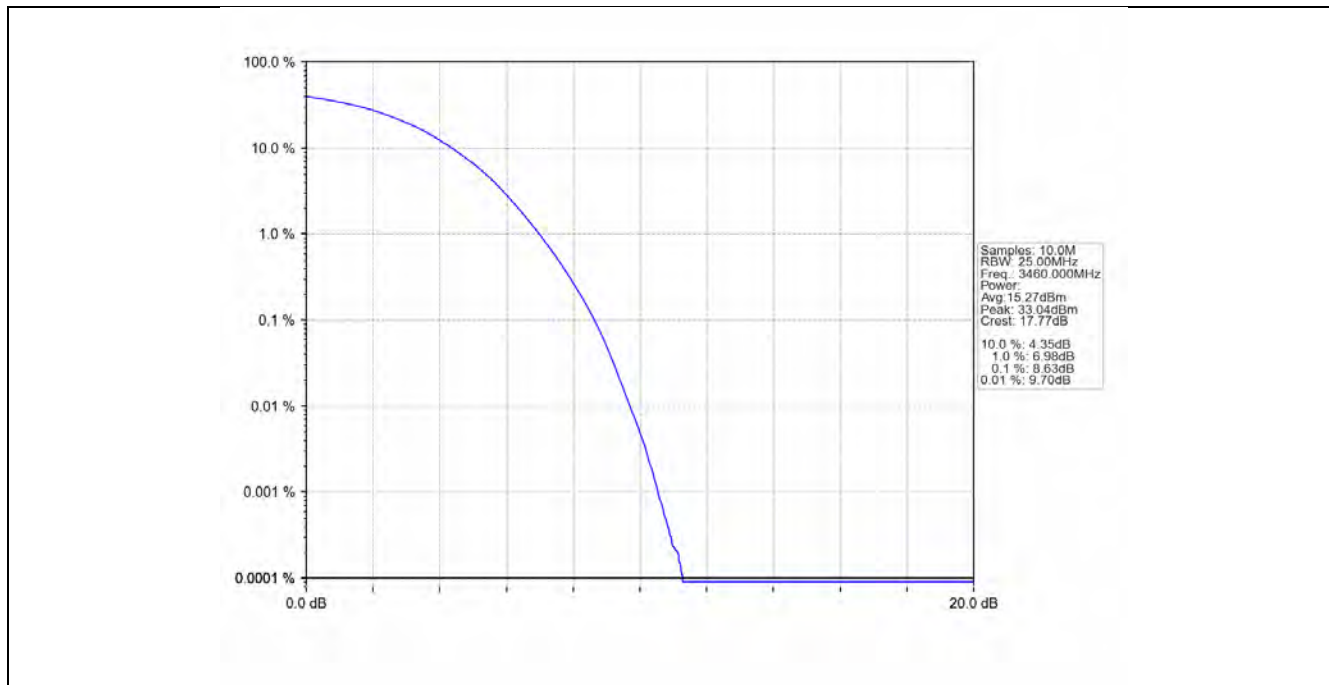
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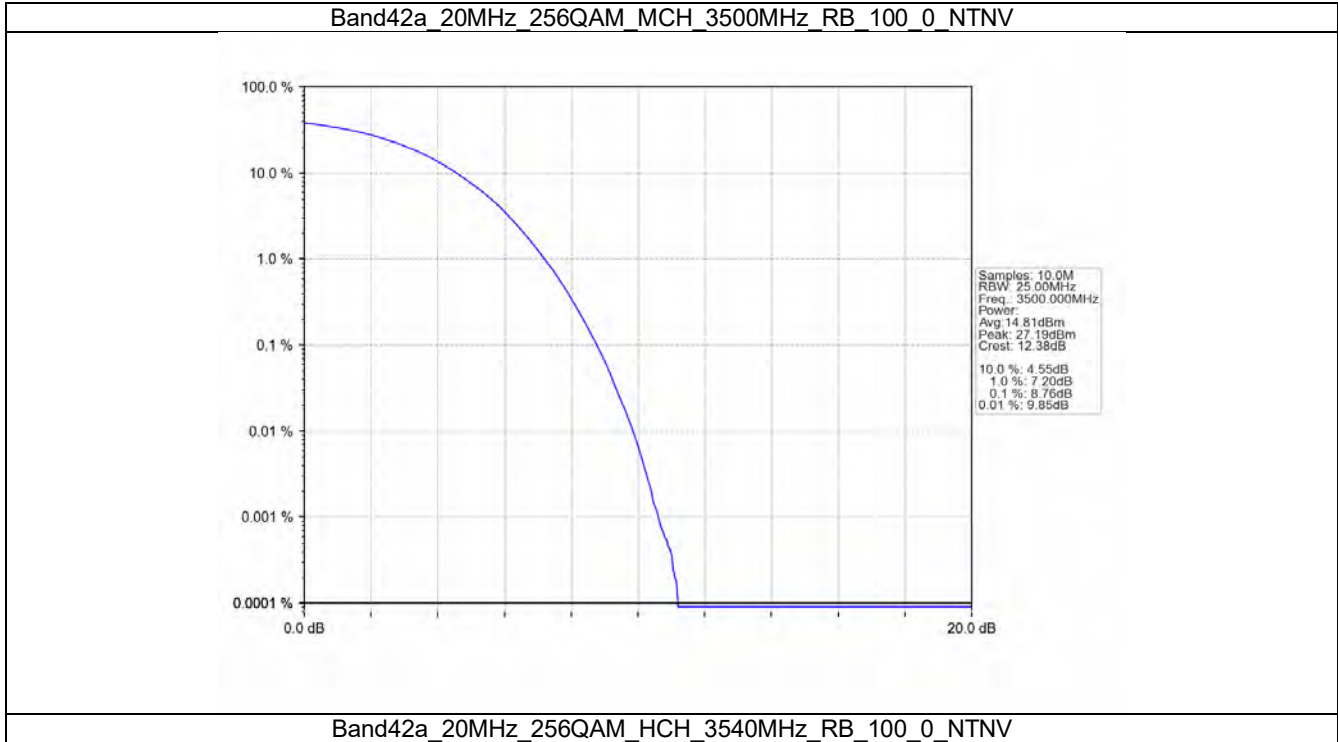


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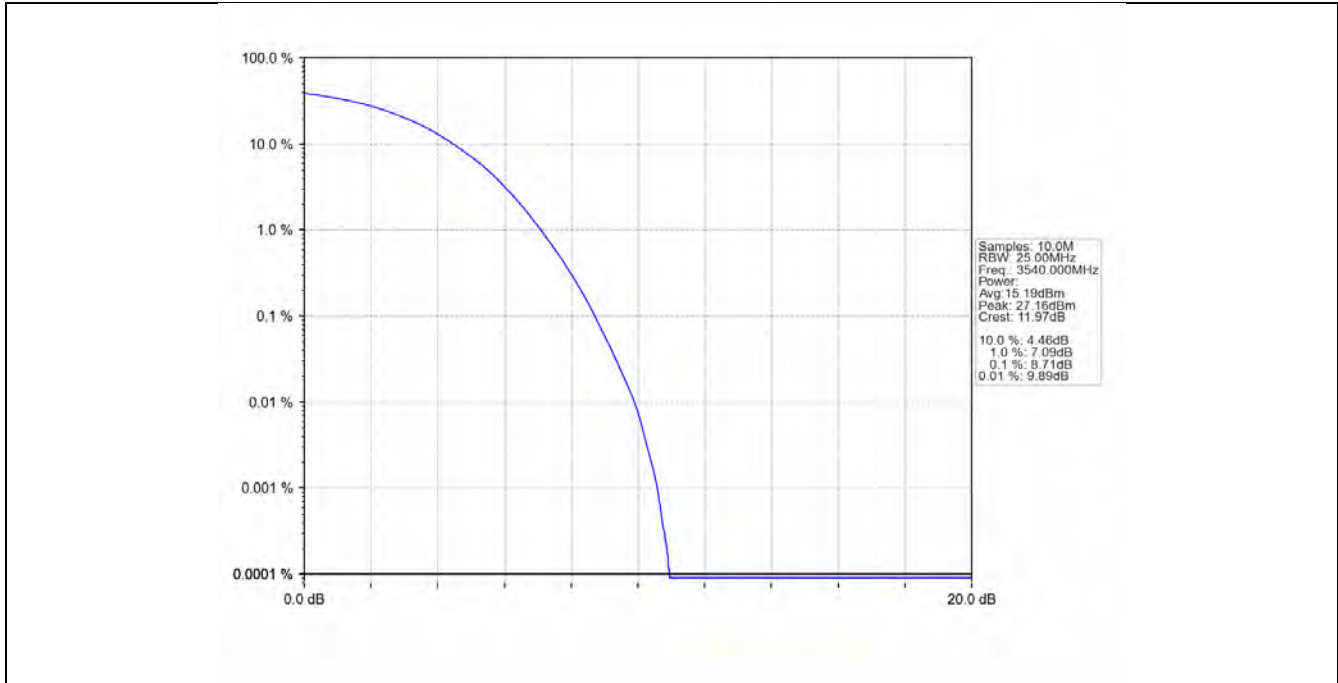


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5. Spurious Emission & Band Edges

5.1 B42a_5MHz

5.1.1 Test Result

Band: 42a / Bandwidth: 5MHz / NTNV						
Modulation	Frequency (MHz)	RB Allocation		Spurious Emission		Verdict
		Size	Offset	Result	Limit	
QPSK	3452.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
			24	Refer To Test Graph		Pass
16QAM	3452.5	1	0	Refer To Test Graph		Pass
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
64QAM	3452.5		1	0	Refer To Test Graph	
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
256QAM	3452.5		1	0	Refer To Test Graph	
		25	0	Refer To Test Graph		Pass
	3500	1	0	Refer To Test Graph		Pass
		1	0	Refer To Test Graph		Pass
3547.5	1		24	Refer To Test Graph		Pass
	25	0	Refer To Test Graph		Pass	



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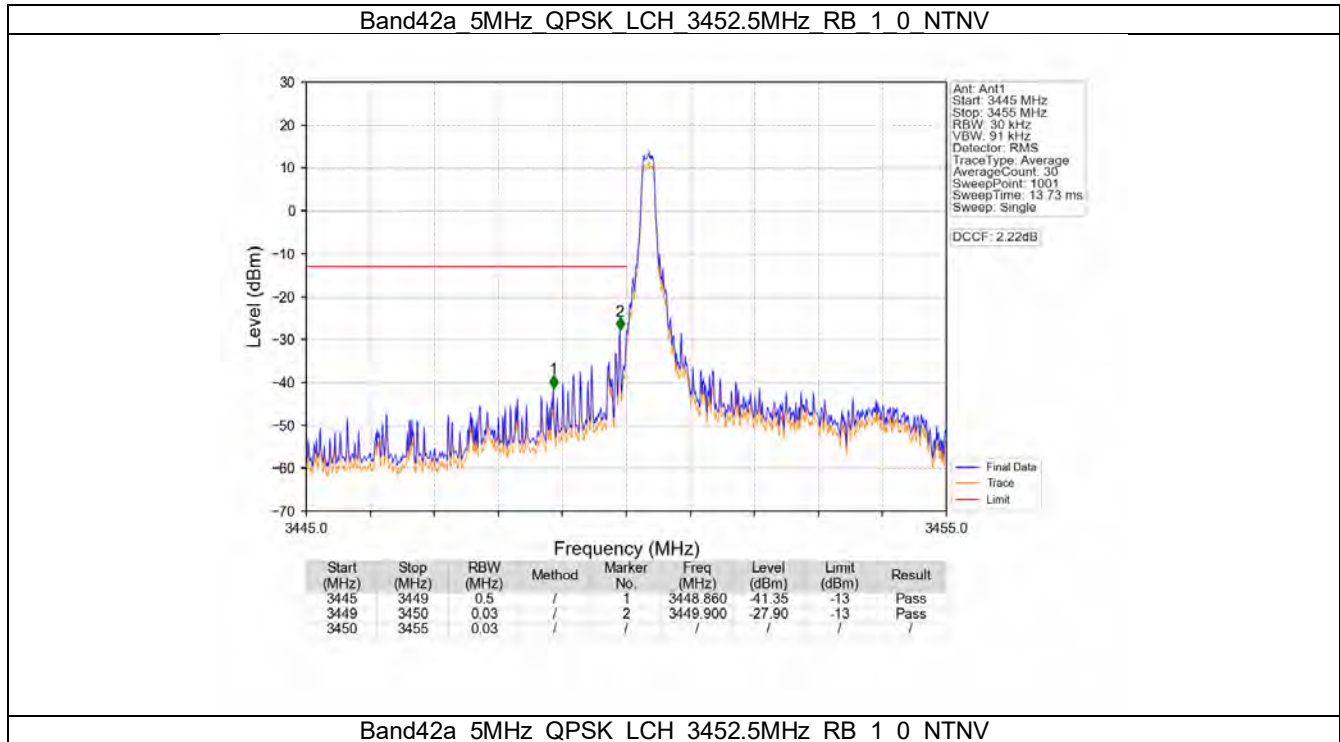
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5.1.2 Test Graph



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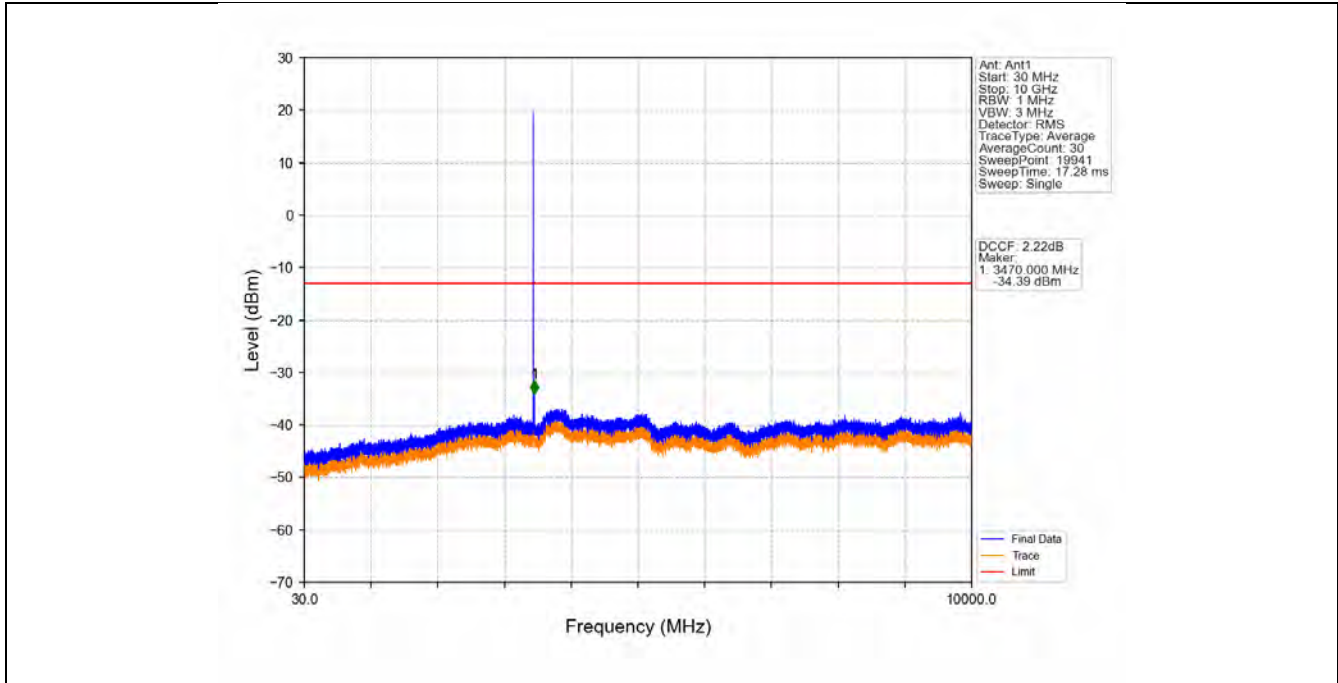


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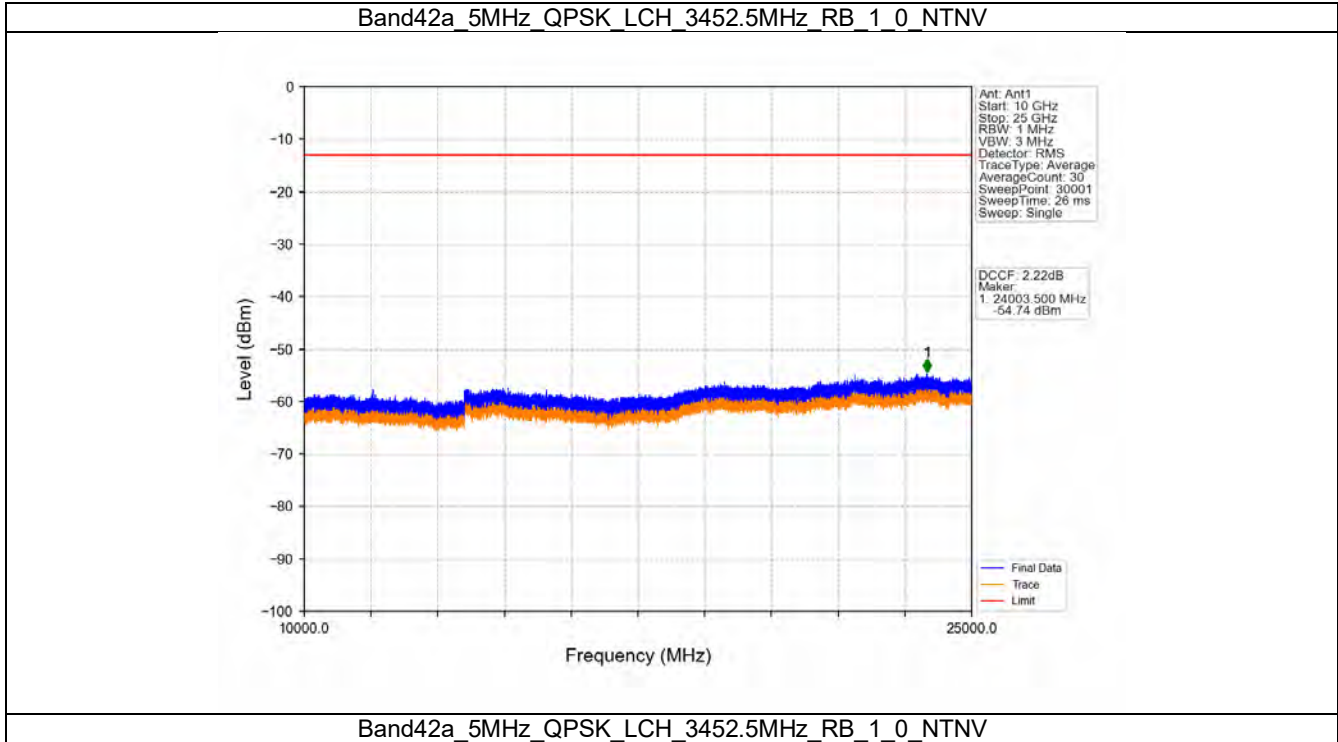


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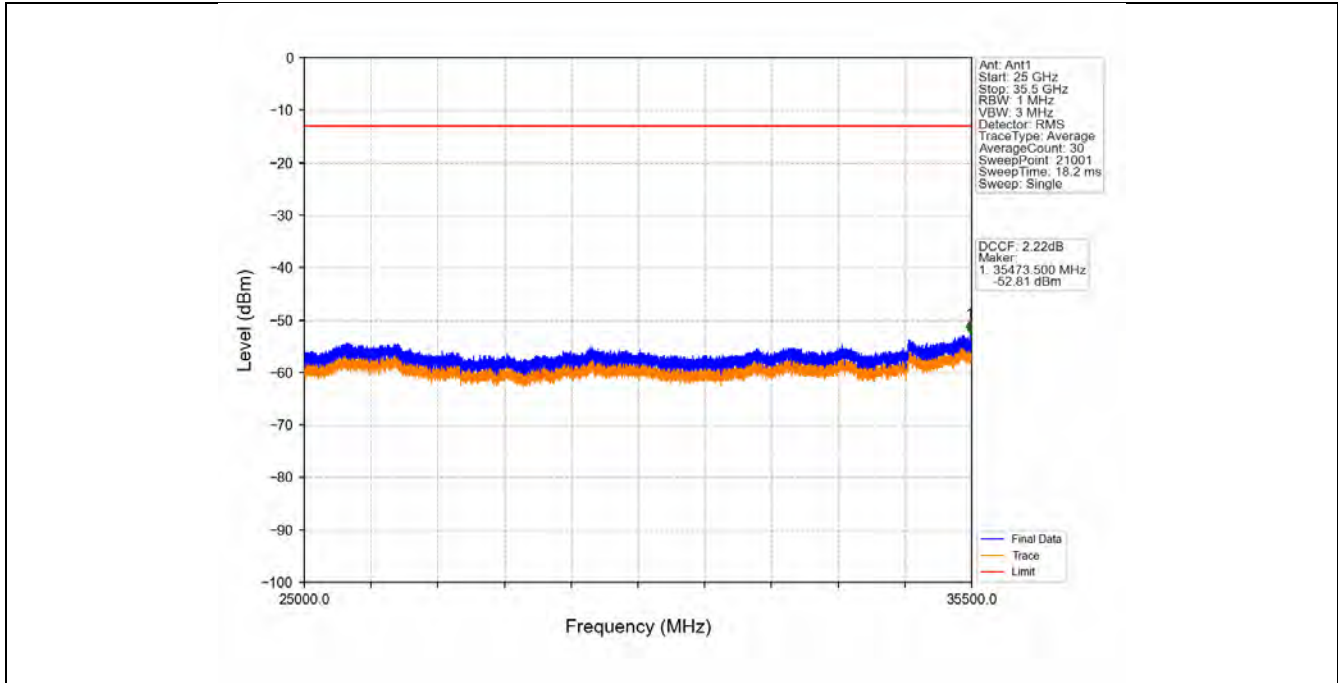


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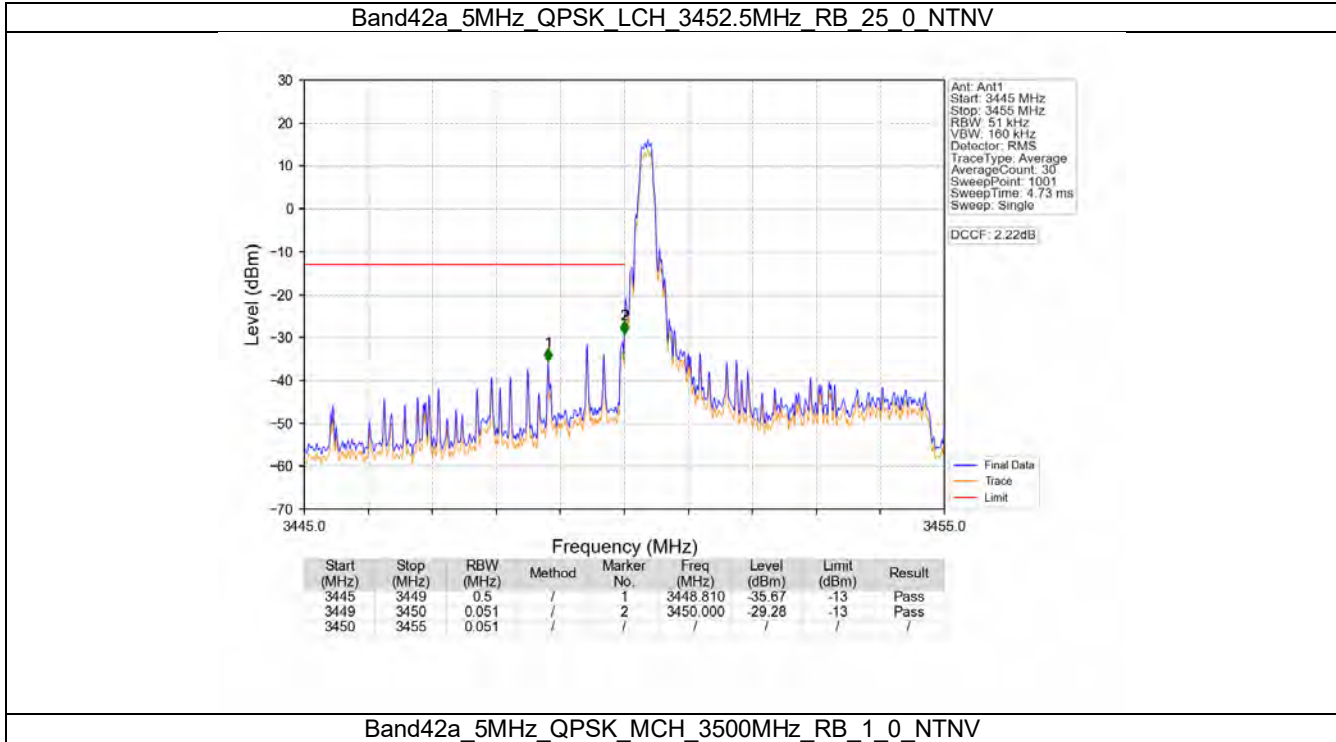


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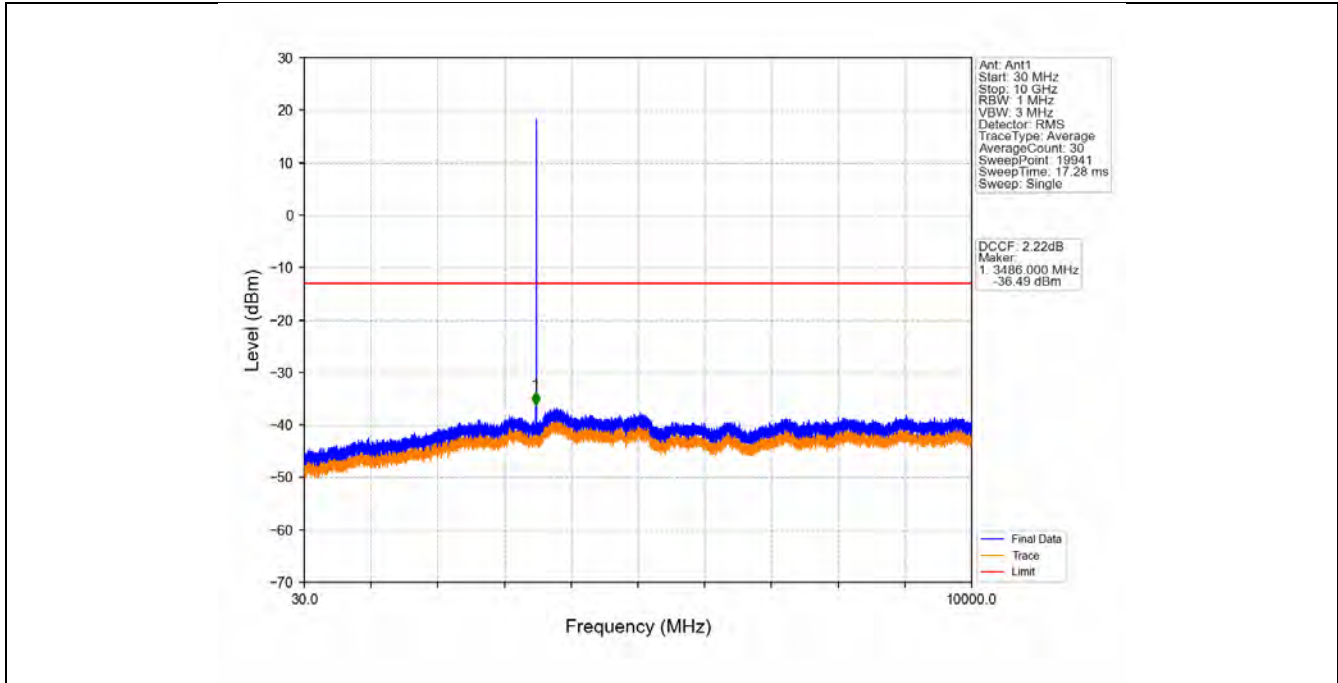


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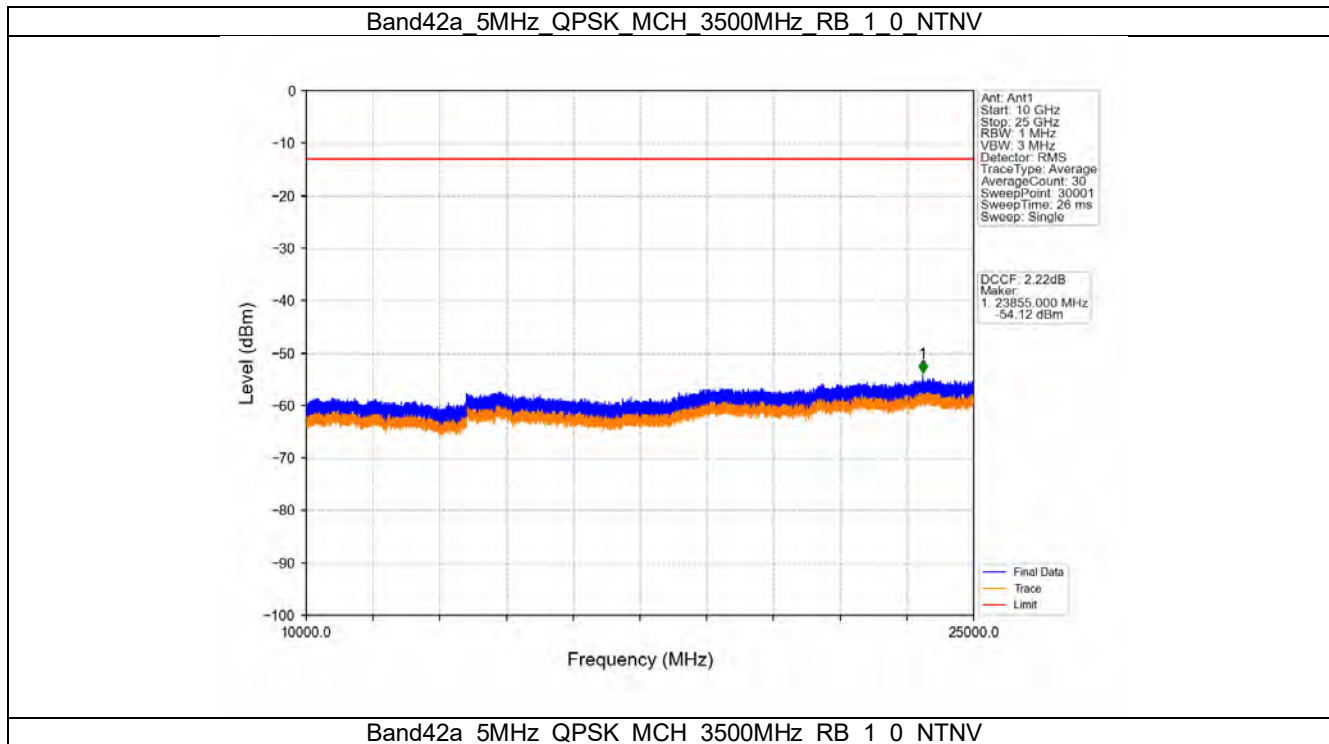
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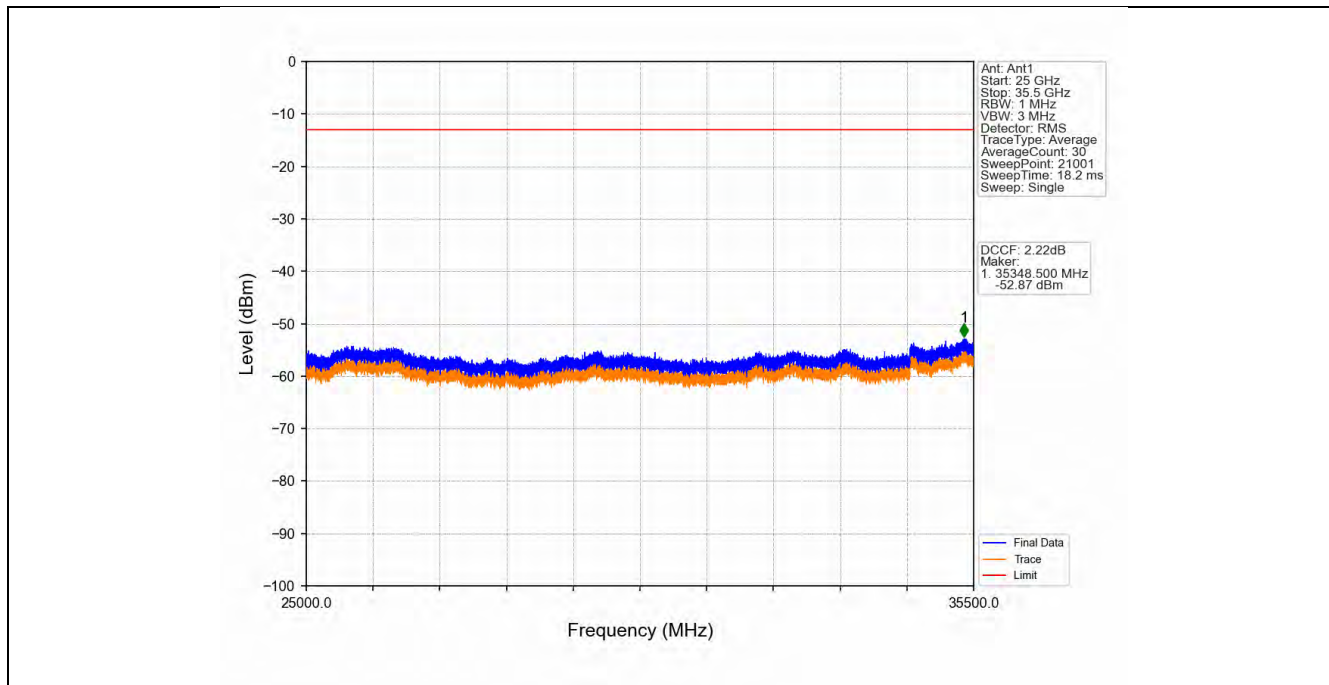
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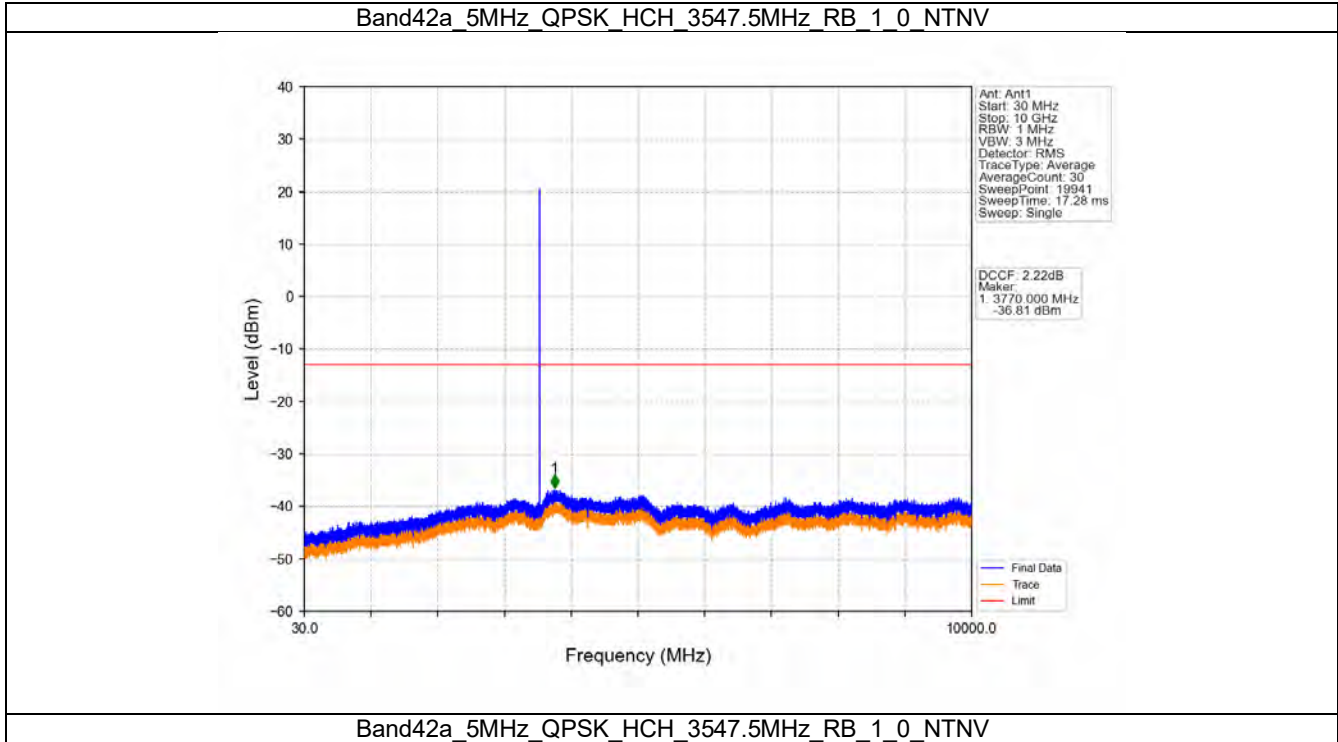


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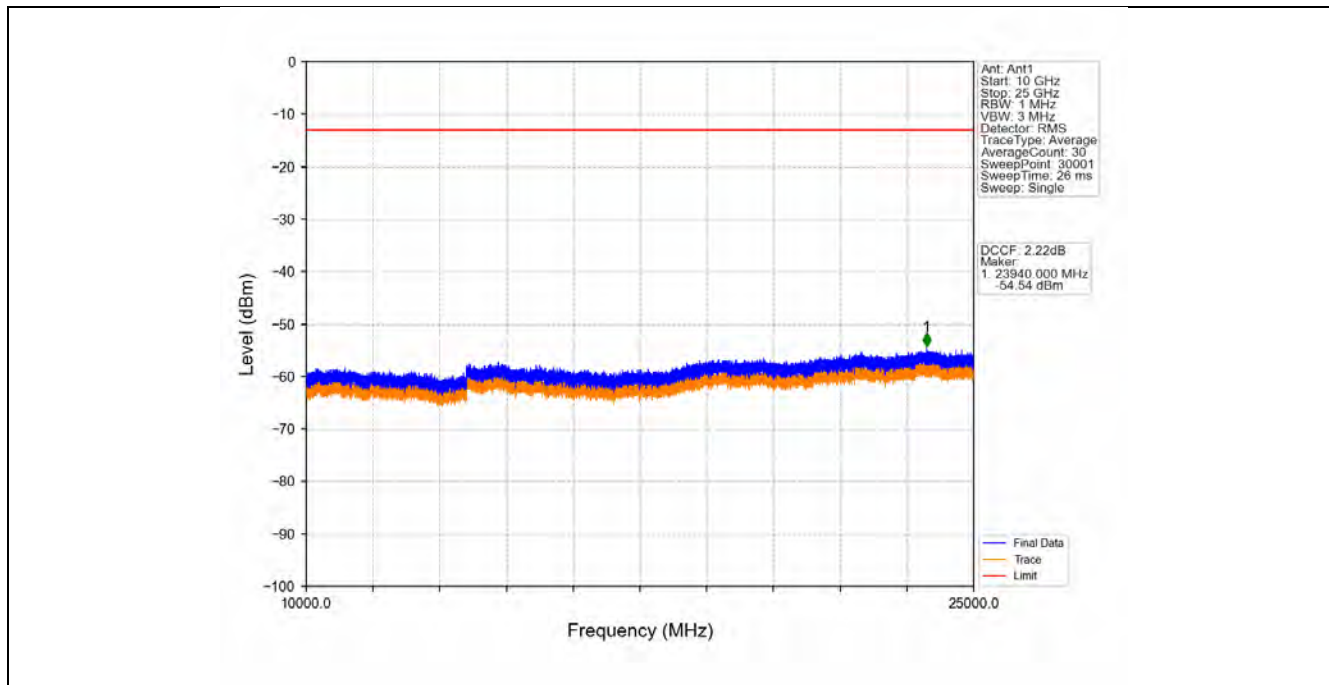
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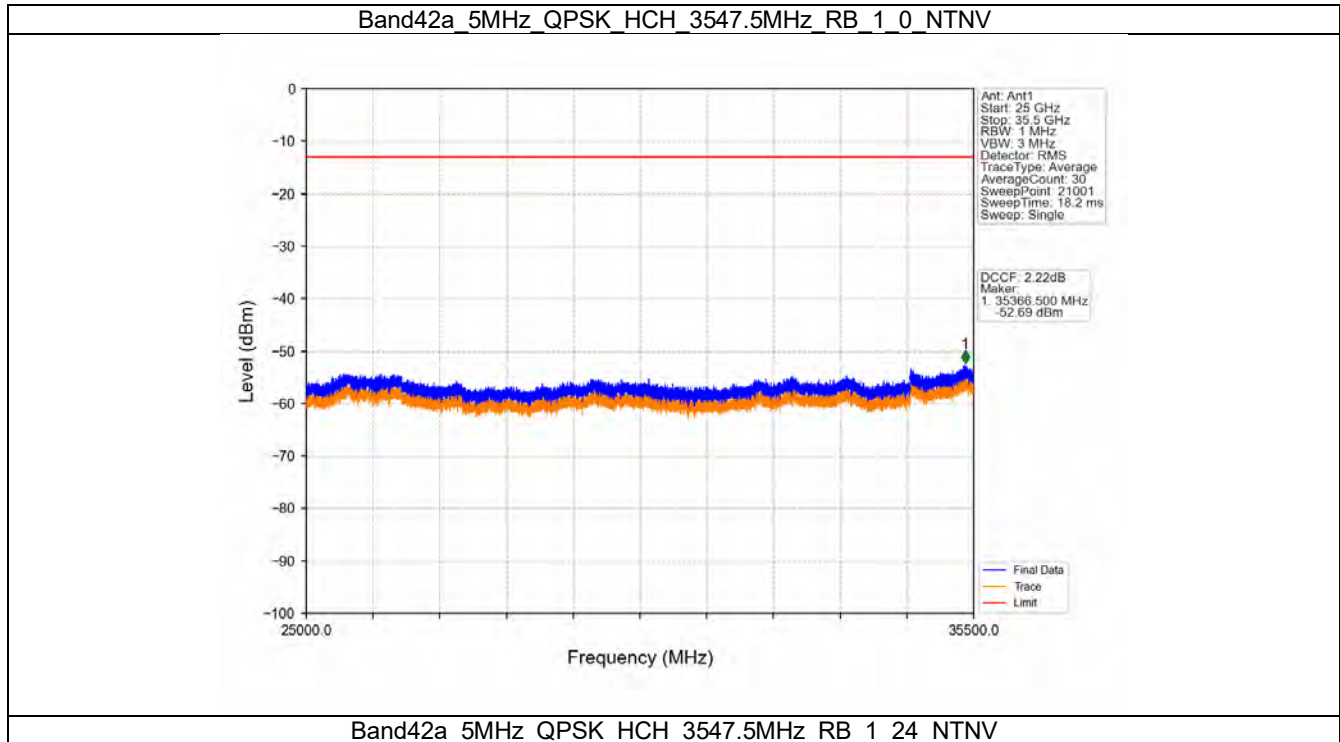


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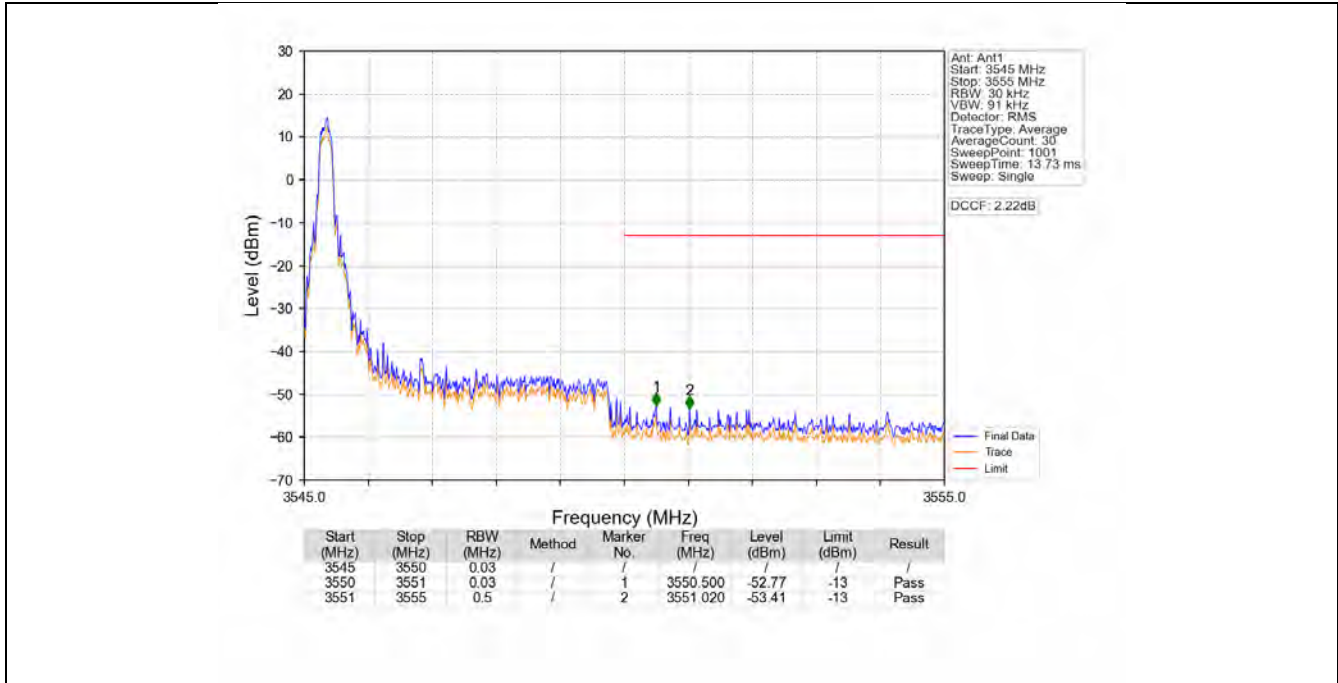


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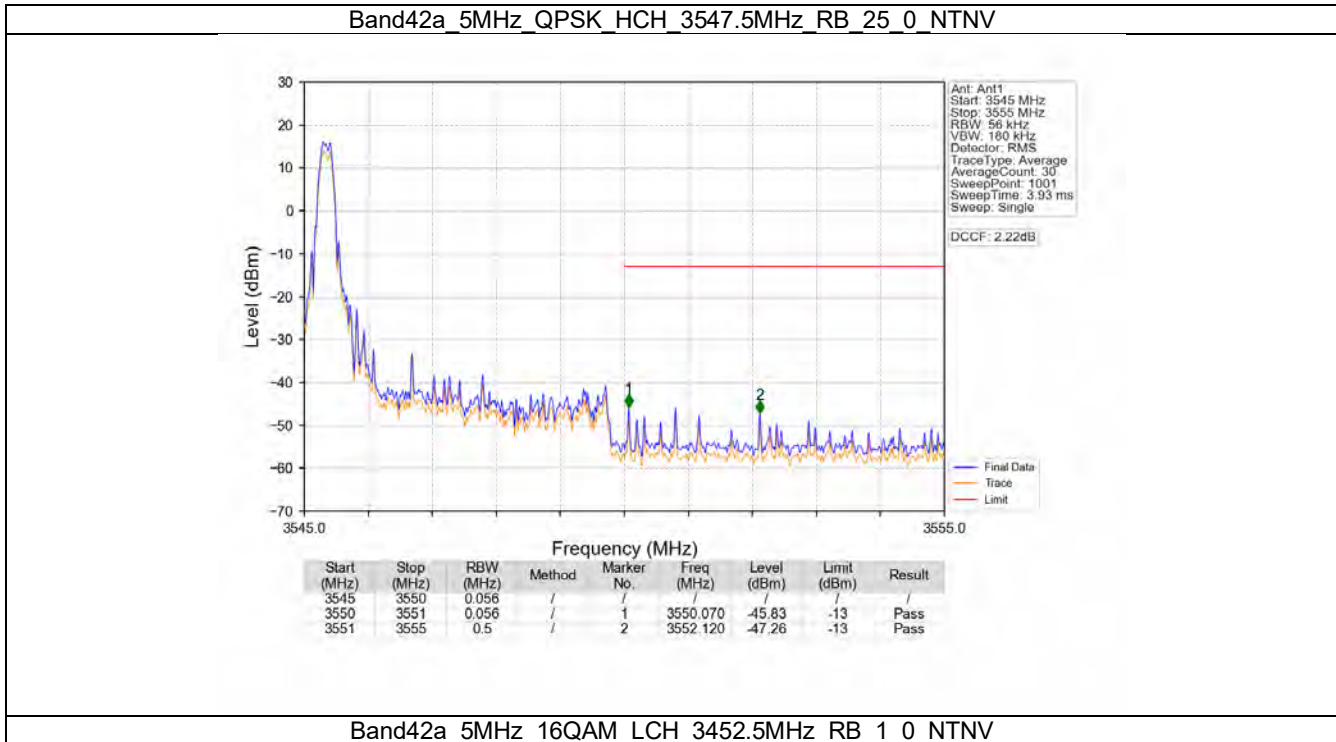


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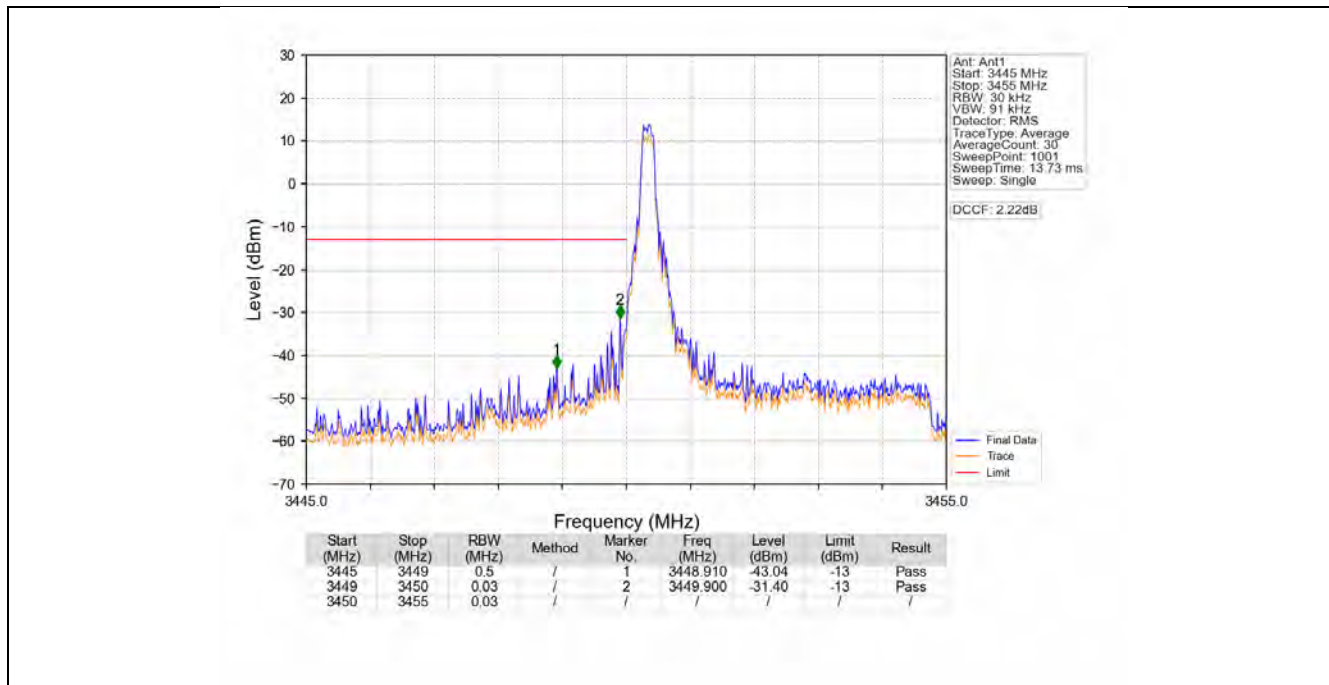
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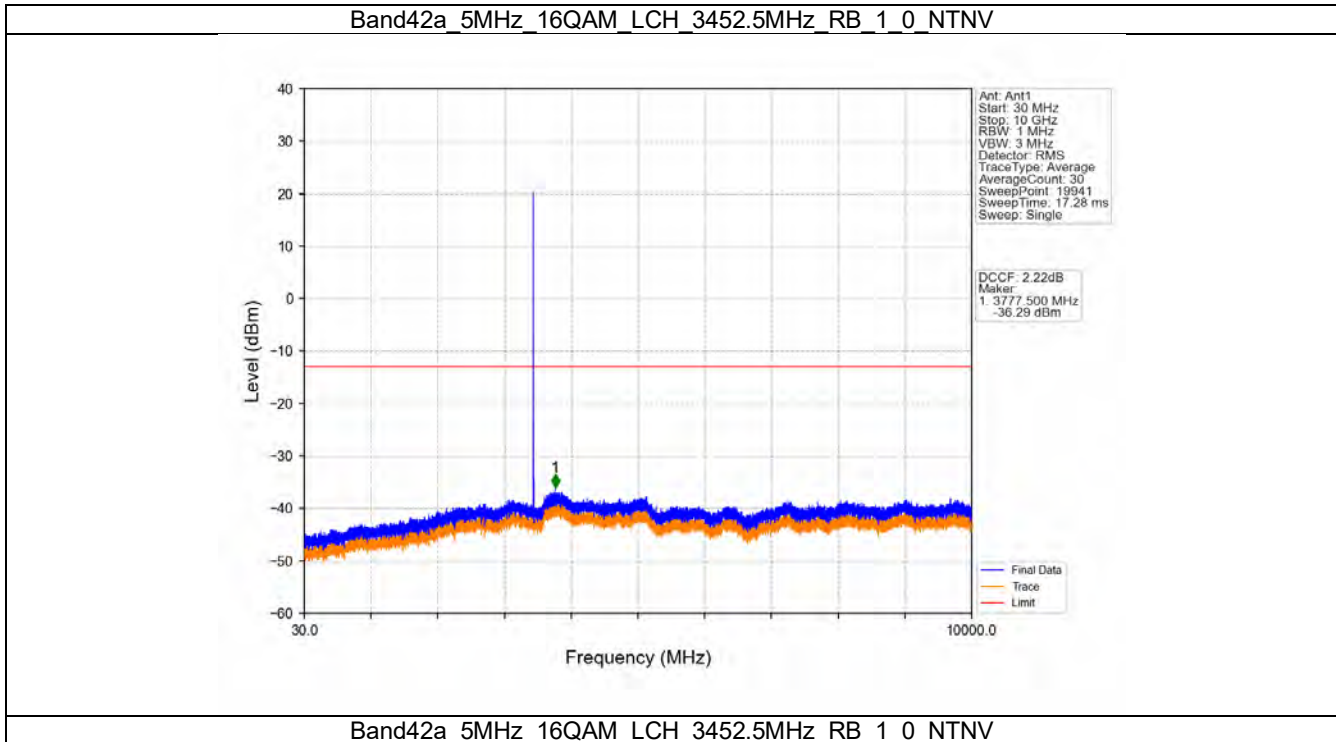


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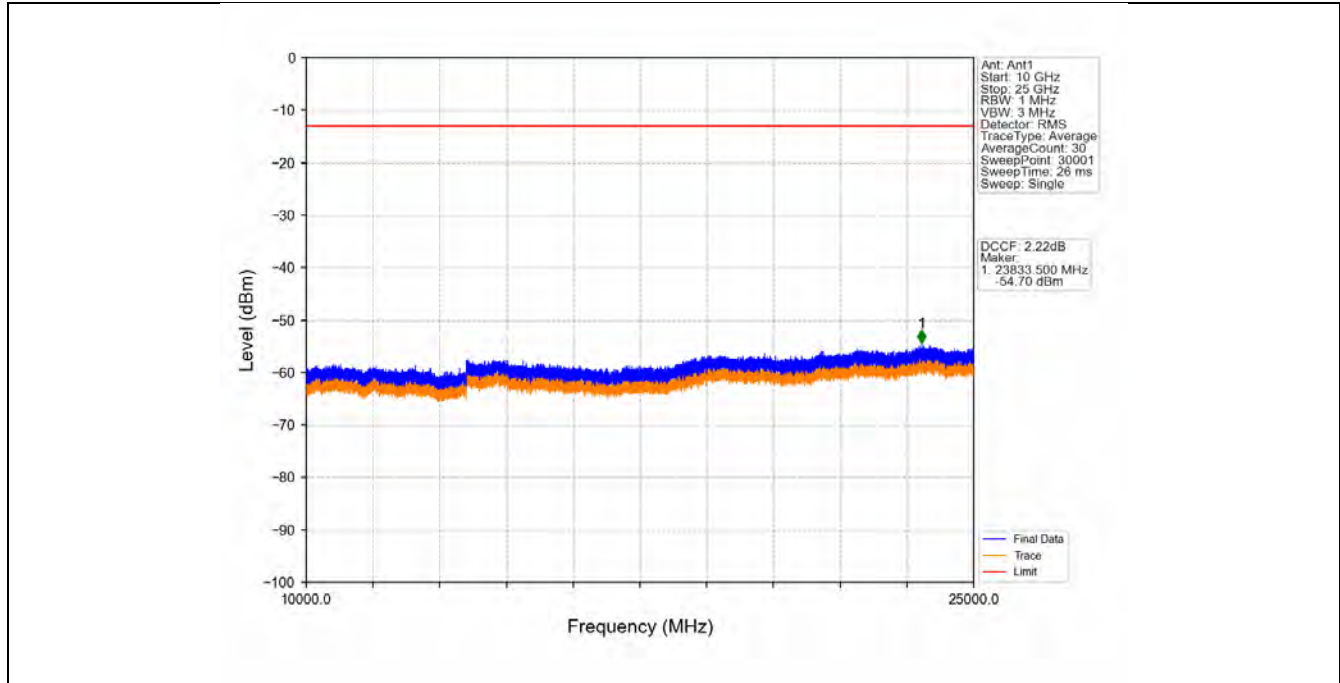


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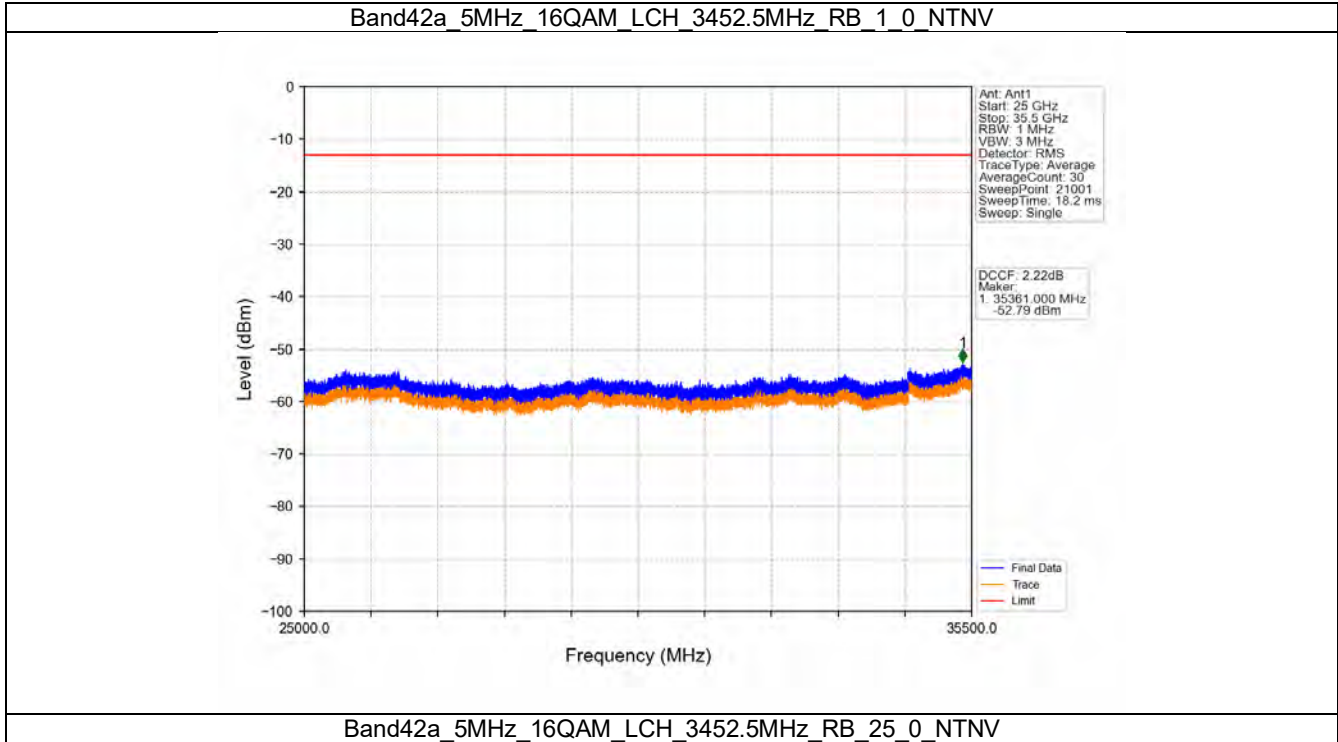


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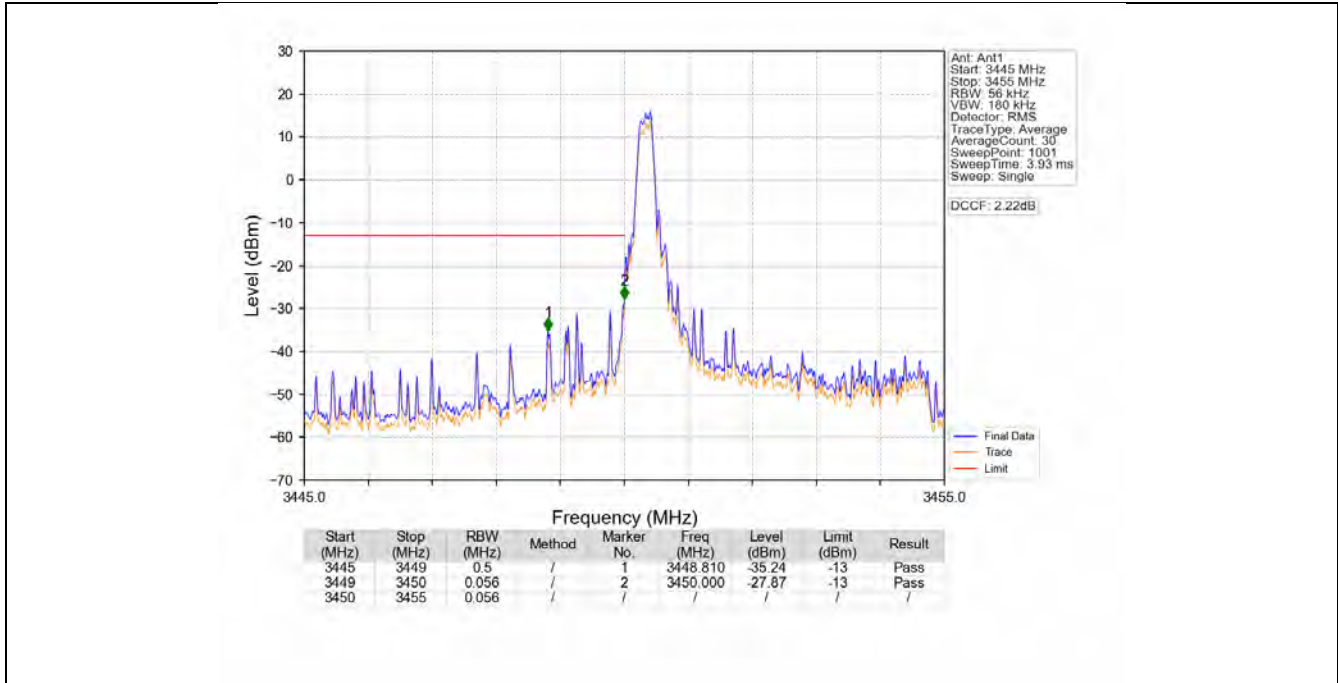


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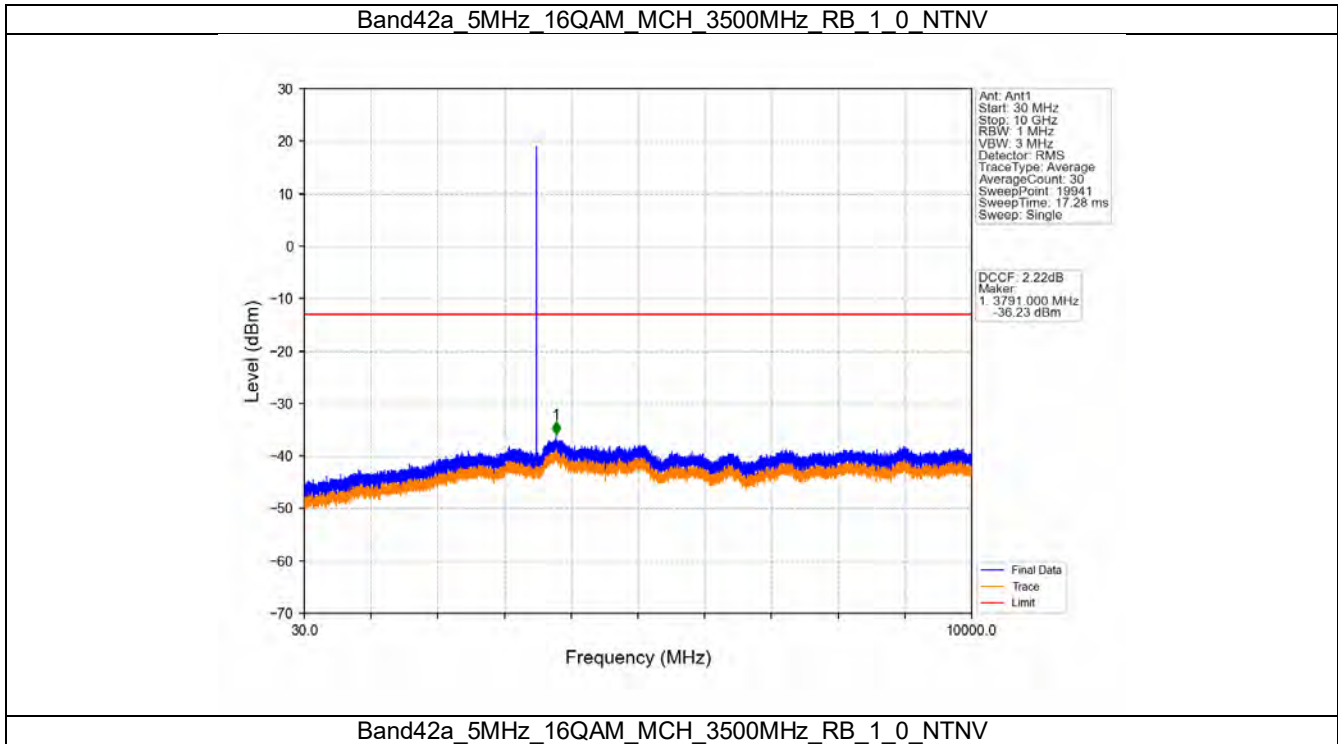


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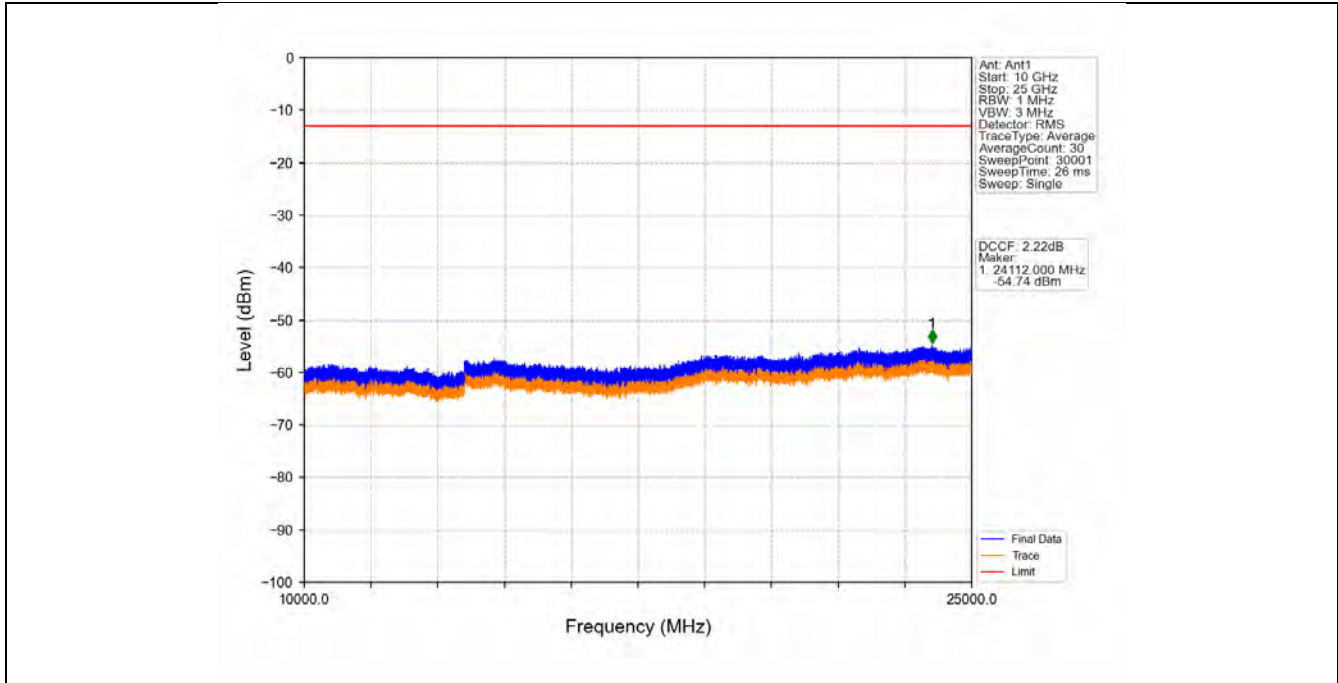


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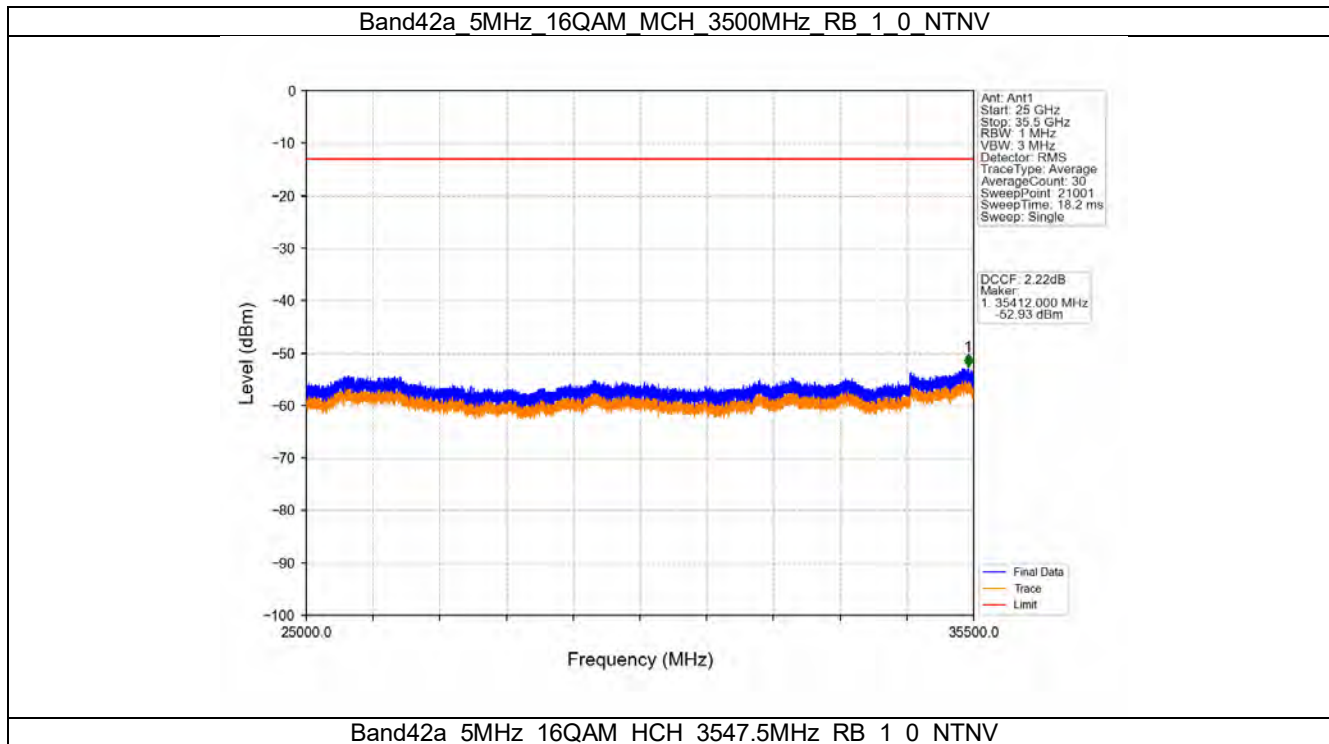
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