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Appendix B.28

LTE CA_38C



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1. Effective (Isotropic) Radiated Power Output Data

1.1 CA_38C_NTNV_EIRP

1.1.1 Test Result

Band: CA_38C / NTNv										
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Conducted Power (dBm)			Gain (dBi)	EIRP (dBm)		Verdict
				CC1	CC2	Sum		Result	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 1@0 CC2: 1@0	17.31	17.33	20.32	1.70	22.02	<=33.01	Pass
			CC1: 1@38 CC2: 1@38	17.26	17.27	20.28	1.70	21.98	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.37	17.28	20.33	1.70	22.03	<=33.01	Pass
			CC1: 36@0 CC2: 36@0	18.35	18.18	21.28	1.70	22.98	<=33.01	Pass
			CC1: 36@18 CC2: 36@18	18.37	18.17	21.28	1.70	22.98	<=33.01	Pass
			CC1: 36@39 CC2: 36@39	18.31	18.19	21.26	1.70	22.96	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	19.86	19.69	22.78	1.70	24.48	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 1@0	17.31	17.41	20.36	1.70	22.06	<=33.01	Pass
			CC1: 1@38 CC2: 1@38	17.32	17.45	20.40	1.70	22.10	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.43	17.27	20.36	1.70	22.06	<=33.01	Pass
			CC1: 36@0 CC2: 36@0	18.40	18.15	21.29	1.70	22.99	<=33.01	Pass
			CC1: 36@18 CC2: 36@18	18.37	18.11	21.25	1.70	22.95	<=33.01	Pass
			CC1: 36@39 CC2: 36@39	18.33	18.18	21.27	1.70	22.97	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	19.60	19.93	22.78	1.70	24.48	<=33.01	Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 1@0	17.07	17.39	20.24	1.70	21.94	<=33.01	Pass
			CC1: 1@38 CC2: 1@38	17.26	17.26	20.28	1.70	21.98	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.33	16.94	20.14	1.70	21.84	<=33.01	Pass
			CC1: 36@0 CC2: 36@0	18.13	18.23	21.19	1.70	22.89	<=33.01	Pass
			CC1: 36@18 CC2: 36@18	18.21	18.15	21.19	1.70	22.89	<=33.01	Pass
			CC1: 36@39 CC2: 36@39	18.25	18.08	21.18	1.70	22.88	<=33.01	Pass



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			CC1: 75@0 CC2: 75@0	19.75	19.69	22.73	1.70	24.43	<=33.01	Pass
			CC1: 1@0 CC2: 1@0	17.50	17.67	20.59	1.70	22.29	<=33.01	Pass
			CC1: 1@38 CC2: 1@38	17.41	17.55	20.50	1.70	22.20	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.14	17.50	20.33	1.70	22.03	<=33.01	Pass
		CC1:2577.5 CC2:2592.5	CC1: 36@0 CC2: 36@0	18.22	18.32	21.28	1.70	22.98	<=33.01	Pass
			CC1: 36@18 CC2: 36@18	18.25	18.34	21.30	1.70	23.00	<=33.01	Pass
			CC1: 36@39 CC2: 36@39	18.24	18.27	21.26	1.70	22.96	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.75	18.78	21.78	1.70	23.48	<=33.01	Pass
			CC1: 1@0 CC2: 1@0	16.98	17.13	20.06	1.70	21.76	<=33.01	Pass
			CC1: 1@38 CC2: 1@38	17.11	17.60	20.37	1.70	22.07	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.28	17.01	20.15	1.70	21.85	<=33.01	Pass
		CC1:2587.5 CC2:2602.5	CC1: 36@0 CC2: 36@0	18.16	18.33	21.25	1.70	22.95	<=33.01	Pass
			CC1: 36@18 CC2: 36@18	18.20	18.32	21.27	1.70	22.97	<=33.01	Pass
			CC1: 36@39 CC2: 36@39	18.23	18.21	21.23	1.70	22.93	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.66	18.79	21.74	1.70	23.44	<=33.01	Pass
			CC1: 1@0 CC2: 1@0	17.08	17.36	20.22	1.70	21.92	<=33.01	Pass
			CC1: 1@38 CC2: 1@38	17.26	17.24	20.27	1.70	21.97	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.39	17.20	20.30	1.70	22.00	<=33.01	Pass
		CC1:2597.5 CC2:2612.5	CC1: 36@0 CC2: 36@0	18.16	18.27	21.22	1.70	22.92	<=33.01	Pass
			CC1: 36@18 CC2: 36@18	18.20	18.12	21.17	1.70	22.87	<=33.01	Pass
			CC1: 36@39 CC2: 36@39	18.30	18.10	21.22	1.70	22.92	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	18.72	18.66	21.70	1.70	23.40	<=33.01	Pass
			CC1: 1@0 CC2: 1@0	17.36	17.66	20.51	1.70	22.21	<=33.01	Pass
		CC1:2577.5 CC2:2592.5	CC1: 1@38 CC2: 1@38	17.62	17.26	20.46	1.70	22.16	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.72	17.23	20.48	1.70	22.18	<=33.01	Pass
	CC1: 16QAM CC2: 16QAM									
			CC1: 64QAM CC2: 64QAM							



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	CC1:2587.5 CC2:2602.5	CC1: 36@0 CC2: 36@0	18.50	18.35	21.44	1.70	23.14	<=33.01	Pass
		CC1: 36@18 CC2: 36@18	18.51	18.39	21.46	1.70	23.16	<=33.01	Pass
		CC1: 36@39 CC2: 36@39	18.83	17.90	21.40	1.70	23.10	<=33.01	Pass
		CC1: 75@0 CC2: 75@0	18.97	18.78	21.89	1.70	23.59	<=33.01	Pass
		CC1: 1@0 CC2: 1@0	17.76	17.29	20.53	1.70	22.23	<=33.01	Pass
		CC1: 1@38 CC2: 1@38	17.77	17.18	20.50	1.70	22.20	<=33.01	Pass
		CC1: 1@74 CC2: 1@74	17.86	17.35	20.62	1.70	22.32	<=33.01	Pass
		CC1: 36@0 CC2: 36@0	18.44	18.36	21.41	1.70	23.11	<=33.01	Pass
		CC1: 36@18 CC2: 36@18	18.51	18.46	21.50	1.70	23.20	<=33.01	Pass
		CC1: 36@39 CC2: 36@39	18.50	18.29	21.41	1.70	23.11	<=33.01	Pass
		CC1: 75@0 CC2: 75@0	18.99	18.90	21.96	1.70	23.66	<=33.01	Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 1@0	17.13	17.39	20.27	1.70	21.97	<=33.01
	CC1: 1@38 CC2: 1@38		17.27	17.27	20.28	1.70	21.98	<=33.01	Pass
	CC1: 1@74 CC2: 1@74		17.89	17.48	20.69	1.70	22.39	<=33.01	Pass
	CC1: 36@0 CC2: 36@0		18.43	18.38	21.42	1.70	23.12	<=33.01	Pass
	CC1: 36@18 CC2: 36@18		18.49	18.28	21.40	1.70	23.10	<=33.01	Pass
	CC1: 36@39 CC2: 36@39		18.50	18.23	21.38	1.70	23.08	<=33.01	Pass
	CC1: 75@0 CC2: 75@0		18.98	18.74	21.87	1.70	23.57	<=33.01	Pass
	CC1:2577.5 CC2:2592.5		CC1: 1@0 CC2: 1@0	17.56	17.42	20.49	1.70	22.19	<=33.01
		CC1: 1@38 CC2: 1@38	17.46	17.12	20.31	1.70	22.01	<=33.01	Pass
		CC1: 1@74 CC2: 1@74	17.76	17.67	20.72	1.70	22.42	<=33.01	Pass
		CC1: 36@0 CC2: 36@0	16.43	16.48	19.47	1.70	21.17	<=33.01	Pass
		CC1: 36@18 CC2: 36@18	16.48	16.48	19.49	1.70	21.19	<=33.01	Pass
		CC1: 36@39 CC2: 36@39	16.54	16.43	19.49	1.70	21.19	<=33.01	Pass
		CC1: 75@0 CC2: 75@0	17.06	16.94	20.01	1.70	21.71	<=33.01	Pass
		CC1: 256QAM CC2: 256QAM	CC1: 1@0 CC2: 1@0	17.56	17.42	20.49	1.70	22.19	<=33.01
	CC1: 1@38 CC2: 1@38		17.46	17.12	20.31	1.70	22.01	<=33.01	Pass
	CC1: 1@74 CC2: 1@74		17.76	17.67	20.72	1.70	22.42	<=33.01	Pass
CC1: 36@0 CC2: 36@0	16.43		16.48	19.47	1.70	21.17	<=33.01	Pass	
CC1: 36@18 CC2: 36@18	16.48		16.48	19.49	1.70	21.19	<=33.01	Pass	
CC1: 36@39 CC2: 36@39	16.54		16.43	19.49	1.70	21.19	<=33.01	Pass	
CC1: 75@0 CC2: 75@0	17.06		16.94	20.01	1.70	21.71	<=33.01	Pass	



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		CC1:2587.5 CC2:2602.5	CC1: 1@0 CC2: 1@0	17.39	17.53	20.47	1.70	22.17	<=33.01	Pass
			CC1: 1@38 CC2: 1@38	17.42	17.43	20.44	1.70	22.14	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.53	17.36	20.45	1.70	22.15	<=33.01	Pass
			CC1: 36@0 CC2: 36@0	16.54	16.52	19.54	1.70	21.24	<=33.01	Pass
			CC1: 36@18 CC2: 36@18	16.50	16.42	19.47	1.70	21.17	<=33.01	Pass
			CC1: 36@39 CC2: 36@39	16.55	16.38	19.47	1.70	21.17	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	17.06	17.00	20.04	1.70	21.74	<=33.01	Pass
		CC1:2597.5 CC2:2612.5	CC1: 1@0 CC2: 1@0	17.62	17.60	20.61	1.70	22.31	<=33.01	Pass
			CC1: 1@38 CC2: 1@38	17.69	17.34	20.53	1.70	22.23	<=33.01	Pass
			CC1: 1@74 CC2: 1@74	17.31	17.40	20.36	1.70	22.06	<=33.01	Pass
			CC1: 36@0 CC2: 36@0	16.51	16.51	19.53	1.70	21.23	<=33.01	Pass
			CC1: 36@18 CC2: 36@18	16.50	16.32	19.42	1.70	21.12	<=33.01	Pass
			CC1: 36@39 CC2: 36@39	16.51	16.24	19.39	1.70	21.09	<=33.01	Pass
			CC1: 75@0 CC2: 75@0	17.02	16.83	19.94	1.70	21.64	<=33.01	Pass
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 1@0	17.33	17.32	20.34	1.70	22.04	<=33.01	Pass
			CC1: 1@50 CC2: 1@50	17.32	17.32	20.33	1.70	22.03	<=33.01	Pass
			CC1: 1@99 CC2: 1@99	17.31	17.26	20.30	1.70	22.00	<=33.01	Pass
			CC1: 50@0 CC2: 50@0	18.45	18.14	21.31	1.70	23.01	<=33.01	Pass
			CC1: 50@25 CC2: 50@25	18.36	18.15	21.27	1.70	22.97	<=33.01	Pass
			CC1: 50@50 CC2: 50@50	18.28	18.23	21.27	1.70	22.97	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	19.80	19.67	22.74	1.70	24.44	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 1@0	17.30	17.40	20.37	1.70	22.07	<=33.01	Pass
			CC1: 1@50 CC2: 1@50	17.22	17.29	20.27	1.70	21.97	<=33.01	Pass
			CC1: 1@99 CC2: 1@99	17.38	17.19	20.30	1.70	22.00	<=33.01	Pass
			CC1: 50@0 CC2: 50@0	18.17	18.34	21.27	1.70	22.97	<=33.01	Pass



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			CC1: 50@25 CC2: 50@25	18.21	18.33	21.28	1.70	22.98	<=33.01	Pass
			CC1: 50@50 CC2: 50@50	18.29	18.28	21.30	1.70	23.00	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	19.69	19.75	22.73	1.70	24.43	<=33.01	Pass
		CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 1@0	17.17	17.33	20.27	1.70	21.97	<=33.01	Pass
			CC1: 1@50 CC2: 1@50	17.25	17.23	20.25	1.70	21.95	<=33.01	Pass
			CC1: 1@99 CC2: 1@99	17.36	17.12	20.25	1.70	21.95	<=33.01	Pass
			CC1: 50@0 CC2: 50@0	18.13	18.31	21.23	1.70	22.93	<=33.01	Pass
			CC1: 50@25 CC2: 50@25	18.22	18.27	21.26	1.70	22.96	<=33.01	Pass
			CC1: 50@50 CC2: 50@50	18.31	18.21	21.27	1.70	22.97	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	19.71	19.73	22.73	1.70	24.43	<=33.01	Pass
	CC1: 16QAM CC2: 16QAM	CC1:2580 CC2:2599.8	CC1: 1@0 CC2: 1@0	17.36	16.99	20.19	1.70	21.89	<=33.01	Pass
			CC1: 1@50 CC2: 1@50	17.37	17.14	20.27	1.70	21.97	<=33.01	Pass
			CC1: 1@99 CC2: 1@99	17.30	17.04	20.19	1.70	21.89	<=33.01	Pass
			CC1: 50@0 CC2: 50@0	18.22	18.35	21.30	1.70	23.00	<=33.01	Pass
			CC1: 50@25 CC2: 50@25	18.20	18.32	21.27	1.70	22.97	<=33.01	Pass
			CC1: 50@50 CC2: 50@50	18.25	18.32	21.29	1.70	22.99	<=33.01	Pass
			CC1: 100@0 CC2: 100@0	18.70	18.78	21.75	1.70	23.45	<=33.01	Pass
		CC1:2585.1 CC2:2604.9	CC1: 1@0 CC2: 1@0	17.16	17.63	20.42	1.70	22.12	<=33.01	Pass
			CC1: 1@50 CC2: 1@50	17.01	17.26	20.14	1.70	21.84	<=33.01	Pass
			CC1: 1@99 CC2: 1@99	17.16	16.93	20.07	1.70	21.77	<=33.01	Pass
CC1: 50@0 CC2: 50@0	18.12		18.33	21.24	1.70	22.94	<=33.01	Pass		
CC1: 50@25 CC2: 50@25	18.20		18.29	21.25	1.70	22.95	<=33.01	Pass		
CC1: 50@50 CC2: 50@50	18.29		18.26	21.29	1.70	22.99	<=33.01	Pass		
CC1: 100@0 CC2: 100@0	18.74	18.80	21.78	1.70	23.48	<=33.01	Pass			
CC1:2590.2 CC2:2610	CC1: 1@0 CC2: 1@0	16.82	17.34	20.10	1.70	21.80	<=33.01	Pass		



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			CC1: 1@50 CC2: 1@50	17.45	17.25	20.36	1.70	22.06	<=33.01	Pass	
			CC1: 1@99 CC2: 1@99	17.39	16.80	20.12	1.70	21.82	<=33.01	Pass	
			CC1: 50@0 CC2: 50@0	18.10	18.28	21.20	1.70	22.90	<=33.01	Pass	
			CC1: 50@25 CC2: 50@25	18.25	18.28	21.27	1.70	22.97	<=33.01	Pass	
			CC1: 50@50 CC2: 50@50	18.28	18.18	21.24	1.70	22.94	<=33.01	Pass	
			CC1: 100@0 CC2: 100@0	18.75	18.75	21.76	1.70	23.46	<=33.01	Pass	
	CC1: 64QAM CC2: 64QAM	CC1:2580 CC2:2599.8		CC1: 1@0 CC2: 1@0	17.70	17.41	20.57	1.70	22.27	<=33.01	Pass
				CC1: 1@50 CC2: 1@50	17.78	17.38	20.59	1.70	22.29	<=33.01	Pass
				CC1: 1@99 CC2: 1@99	17.75	17.38	20.58	1.70	22.28	<=33.01	Pass
				CC1: 50@0 CC2: 50@0	18.50	18.33	21.43	1.70	23.13	<=33.01	Pass
				CC1: 50@25 CC2: 50@25	18.66	18.17	21.43	1.70	23.13	<=33.01	Pass
				CC1: 50@50 CC2: 50@50	18.70	18.04	21.39	1.70	23.09	<=33.01	Pass
				CC1: 100@0 CC2: 100@0	19.14	18.67	21.92	1.70	23.62	<=33.01	Pass
				CC1:2585.1 CC2:2604.9		CC1: 1@0 CC2: 1@0	17.37	17.26	20.33	1.70	22.03
		CC1: 1@50 CC2: 1@50	17.37			17.14	20.27	1.70	21.97	<=33.01	Pass
		CC1: 1@99 CC2: 1@99	17.89			17.27	20.60	1.70	22.30	<=33.01	Pass
		CC1: 50@0 CC2: 50@0	18.64			18.33	21.50	1.70	23.20	<=33.01	Pass
		CC1: 50@25 CC2: 50@25	18.64			18.38	21.52	1.70	23.22	<=33.01	Pass
		CC1: 50@50 CC2: 50@50	18.65			18.39	21.53	1.70	23.23	<=33.01	Pass
		CC1: 100@0 CC2: 100@0	19.12			18.83	21.99	1.70	23.69	<=33.01	Pass
		CC1:2590.2 CC2:2610				CC1: 1@0 CC2: 1@0	17.30	17.54	20.44	1.70	22.14
				CC1: 1@50 CC2: 1@50	17.57	17.09	20.35	1.70	22.05	<=33.01	Pass
				CC1: 1@99 CC2: 1@99	17.37	17.32	20.36	1.70	22.06	<=33.01	Pass
				CC1: 50@0 CC2: 50@0	18.61	18.30	21.47	1.70	23.17	<=33.01	Pass
CC1: 50@25 CC2: 50@25				18.66	18.25	21.47	1.70	23.17	<=33.01	Pass	



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CC1: 256QAM CC2: 256QAM	CC1:2580 CC2:2599.8	CC1: 50@50 CC2: 50@50	18.60	18.17	21.40	1.70	23.10	<=33.01	Pass
		CC1: 100@0 CC2: 100@0	19.13	18.76	21.95	1.70	23.65	<=33.01	Pass
		CC1: 1@0 CC2: 1@0	17.93	17.11	20.55	1.70	22.25	<=33.01	Pass
		CC1: 1@50 CC2: 1@50	17.68	17.34	20.52	1.70	22.22	<=33.01	Pass
		CC1: 1@99 CC2: 1@99	17.54	17.17	20.37	1.70	22.07	<=33.01	Pass
		CC1: 50@0 CC2: 50@0	16.61	16.44	19.54	1.70	21.24	<=33.01	Pass
		CC1: 50@25 CC2: 50@25	16.57	16.51	19.55	1.70	21.25	<=33.01	Pass
		CC1: 50@50 CC2: 50@50	16.54	16.53	19.54	1.70	21.24	<=33.01	Pass
		CC1: 100@0 CC2: 100@0	17.04	16.97	20.02	1.70	21.72	<=33.01	Pass
		CC1: 1@0 CC2: 1@0	17.19	17.33	20.27	1.70	21.97	<=33.01	Pass
		CC1: 1@50 CC2: 1@50	17.54	17.30	20.43	1.70	22.13	<=33.01	Pass
		CC1: 1@99 CC2: 1@99	17.65	17.13	20.41	1.70	22.11	<=33.01	Pass
		CC1: 50@0 CC2: 50@0	16.68	16.48	19.59	1.70	21.29	<=33.01	Pass
		CC1: 50@25 CC2: 50@25	16.66	16.41	19.55	1.70	21.25	<=33.01	Pass
		CC1: 50@50 CC2: 50@50	16.66	16.41	19.55	1.70	21.25	<=33.01	Pass
		CC1: 100@0 CC2: 100@0	17.16	16.98	20.08	1.70	21.78	<=33.01	Pass
		CC1: 1@0 CC2: 1@0	17.69	17.12	20.43	1.70	22.13	<=33.01	Pass
		CC1: 1@50 CC2: 1@50	17.33	17.25	20.30	1.70	22.00	<=33.01	Pass
		CC1: 1@99 CC2: 1@99	17.69	17.13	20.43	1.70	22.13	<=33.01	Pass
		CC1: 50@0 CC2: 50@0	16.57	16.46	19.52	1.70	21.22	<=33.01	Pass
		CC1: 50@25 CC2: 50@25	16.63	16.32	19.49	1.70	21.19	<=33.01	Pass
		CC1: 50@50 CC2: 50@50	16.66	16.26	19.47	1.70	21.17	<=33.01	Pass
		CC1: 100@0 CC2: 100@0	17.16	16.86	20.02	1.70	21.72	<=33.01	Pass

Note1: EIRP=Conducted Power+Antenna Gain



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2. 99% & 26dB Bandwidth

2.1 CA_38C_NTNV_OBW

2.1.1 Test Result

Band: CA_38C / NTNv						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	99% Occupied Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5	CC1: 75@0	28.70	/	Pass
		CC2:2592.5	CC2: 75@0			
	CC1: 16QAM CC2: 16QAM	CC1:2597.5	CC1: 75@0	28.69	/	Pass
		CC2:2612.5	CC2: 75@0			
	CC1: 16QAM CC2: 16QAM	CC1:2577.5	CC1: 75@0	28.65	/	Pass
		CC2:2592.5	CC2: 75@0			
	CC1: 64QAM CC2: 64QAM	CC1:2597.5	CC1: 75@0	28.69	/	Pass
		CC2:2612.5	CC2: 75@0			
	CC1: 64QAM CC2: 64QAM	CC1:2577.5	CC1: 75@0	28.61	/	Pass
		CC2:2592.5	CC2: 75@0			
CC1: 256QAM CC2: 256QAM	CC1:2597.5	CC1: 75@0	28.71	/	Pass	
	CC2:2612.5	CC2: 75@0				
CC1: 256QAM CC2: 256QAM	CC1:2577.5	CC1: 75@0	28.67	/	Pass	
	CC2:2592.5	CC2: 75@0				
CC1: 256QAM CC2: 256QAM	CC1:2597.5	CC1: 75@0	28.70	/	Pass	
	CC2:2612.5	CC2: 75@0				
CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580	CC1: 100@0	38.00	/	Pass
		CC2:2599.8	CC2: 100@0			
	CC1: 16QAM CC2: 16QAM	CC1:2590.2	CC1: 100@0	38.05	/	Pass
		CC2:2610	CC2: 100@0			
	CC1: 16QAM CC2: 16QAM	CC1:2580	CC1: 100@0	38.03	/	Pass
		CC2:2599.8	CC2: 100@0			
	CC1: 64QAM CC2: 64QAM	CC1:2590.2	CC1: 100@0	37.98	/	Pass
		CC2:2610	CC2: 100@0			
	CC1: 64QAM CC2: 64QAM	CC1:2580	CC1: 100@0	37.96	/	Pass
		CC2:2599.8	CC2: 100@0			
CC1: 256QAM CC2: 256QAM	CC1:2590.2	CC1: 100@0	37.95	/	Pass	
	CC2:2610	CC2: 100@0				
CC1: 256QAM CC2: 256QAM	CC1:2580	CC1: 100@0	38.00	/	Pass	
	CC2:2599.8	CC2: 100@0				
CC1: 256QAM CC2: 256QAM	CC1:2590.2	CC1: 100@0	38.03	/	Pass	
	CC2:2610	CC2: 100@0				

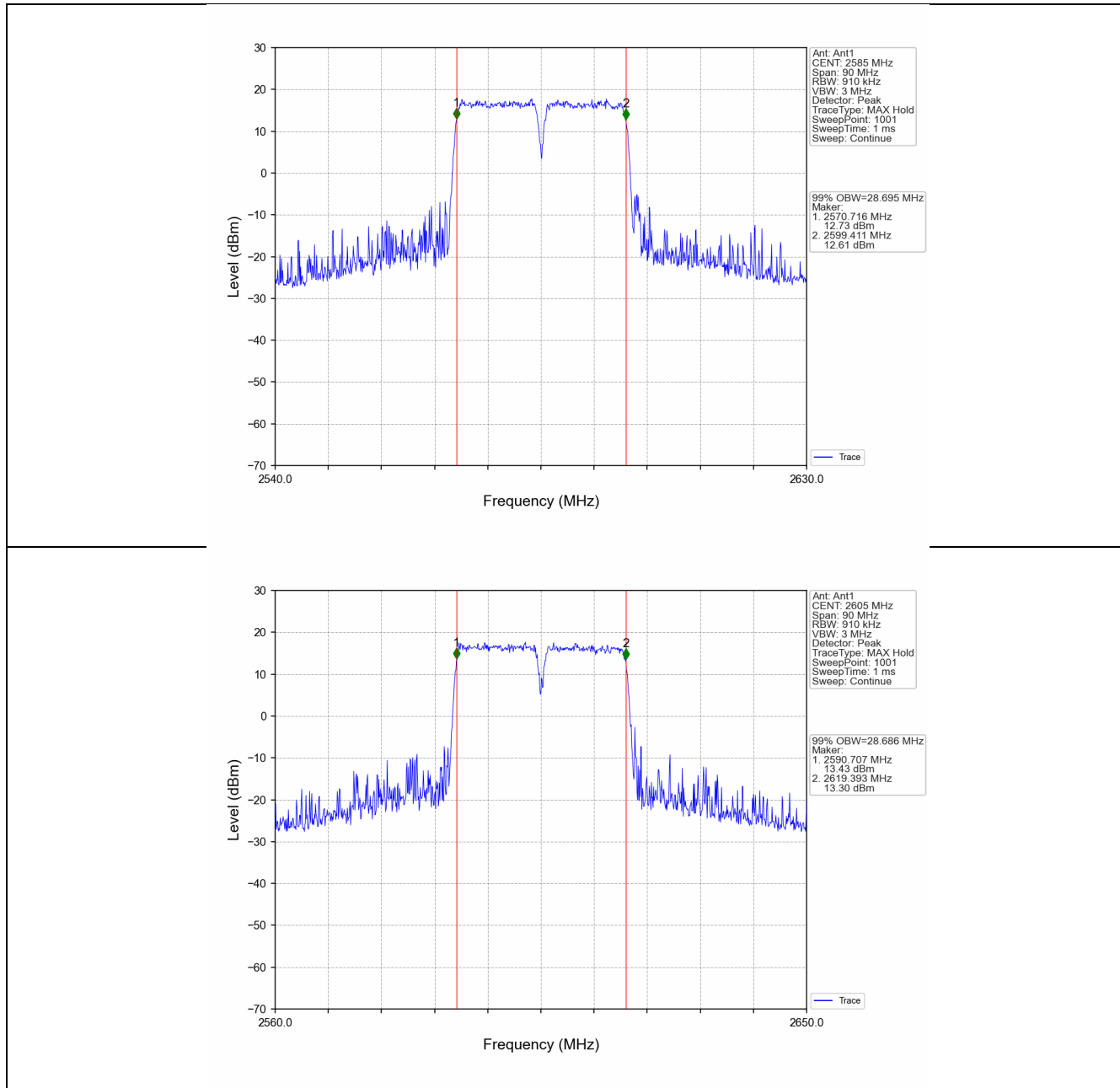


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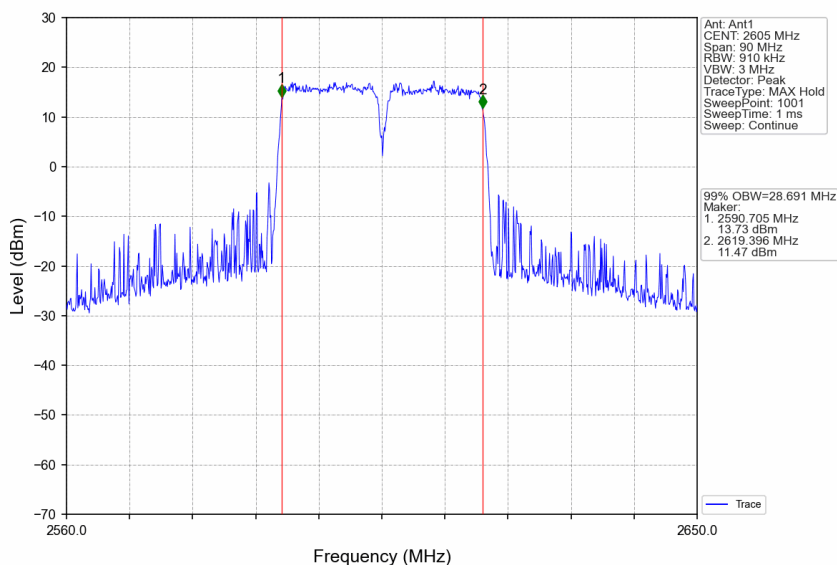
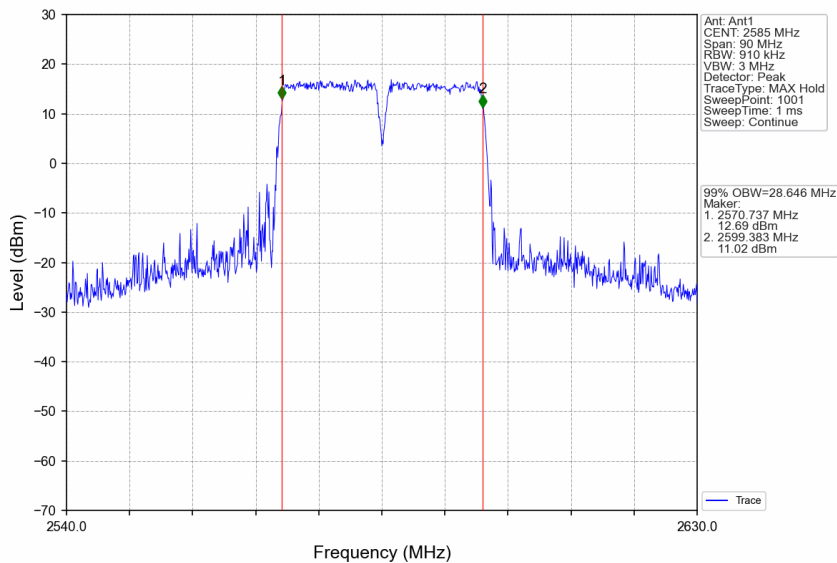
2.1.2 Test Graph



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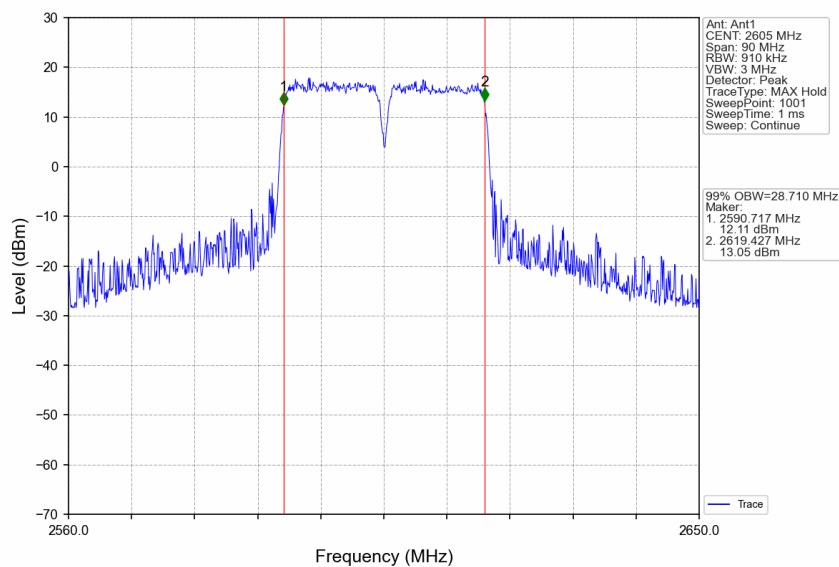
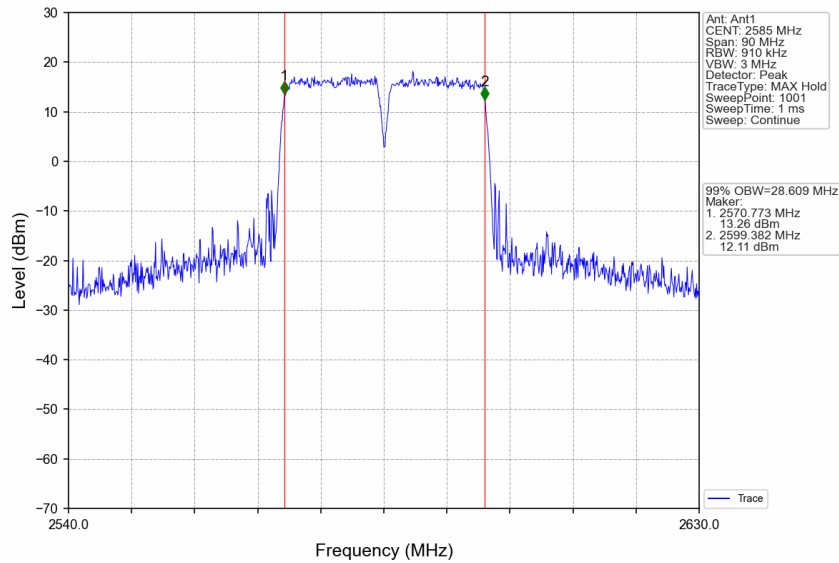
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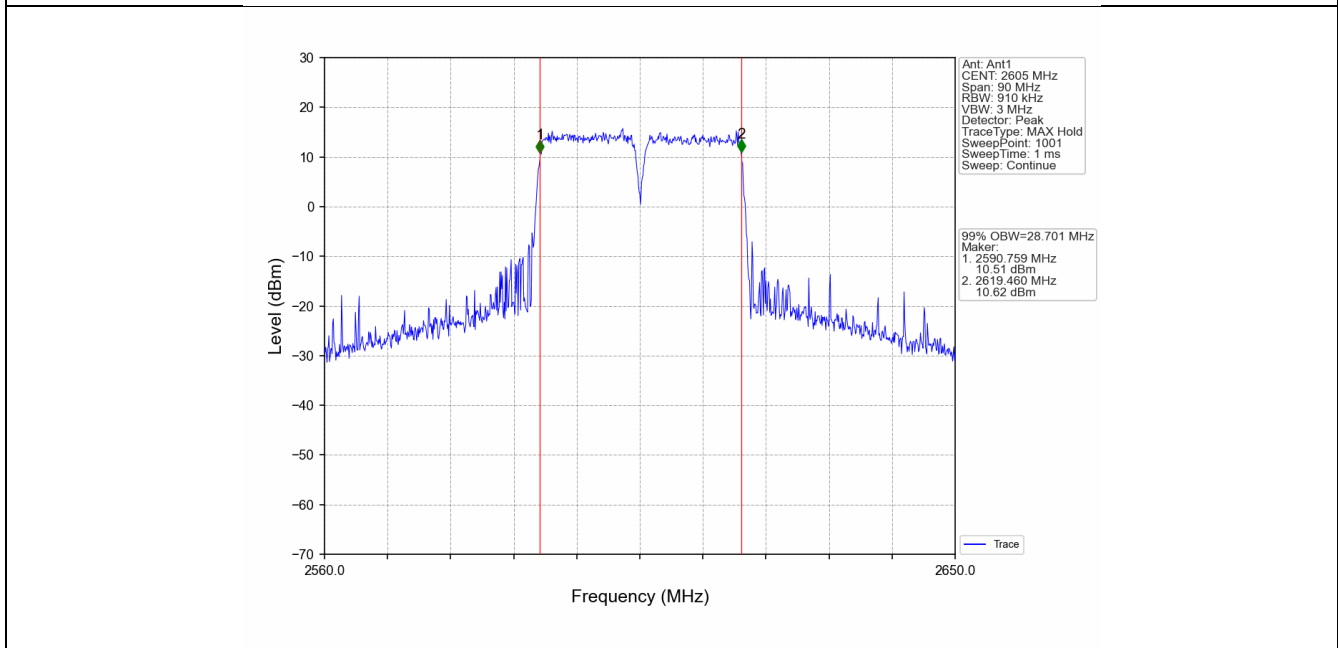
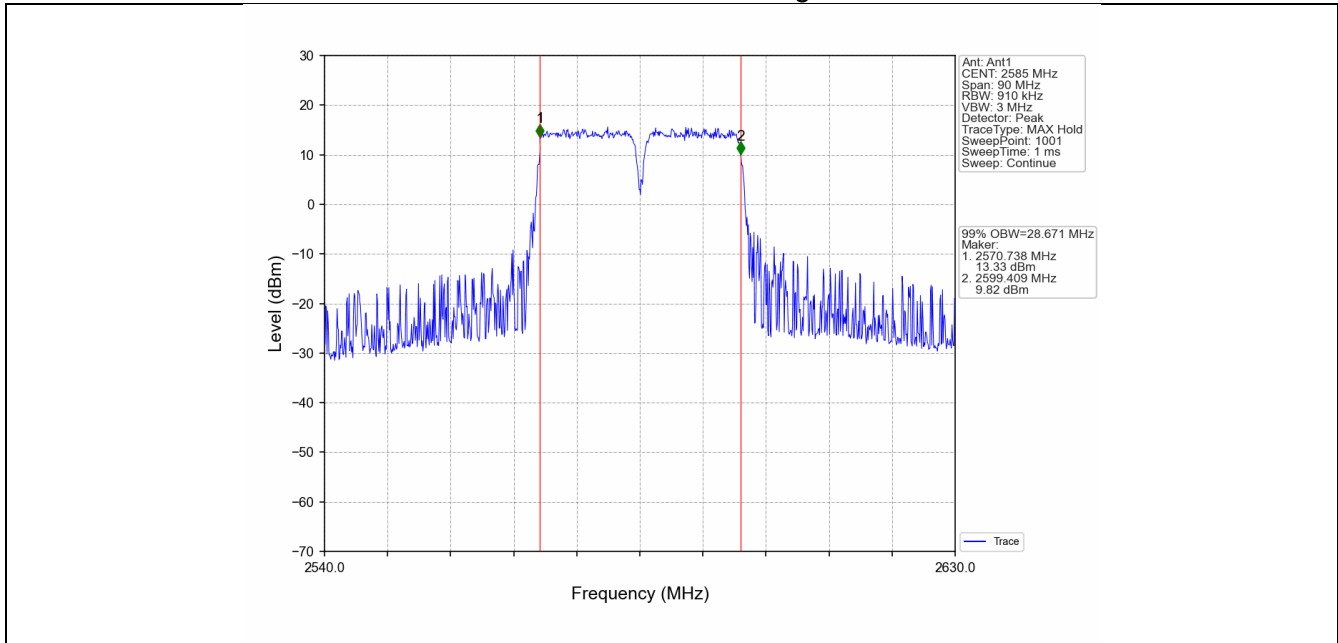
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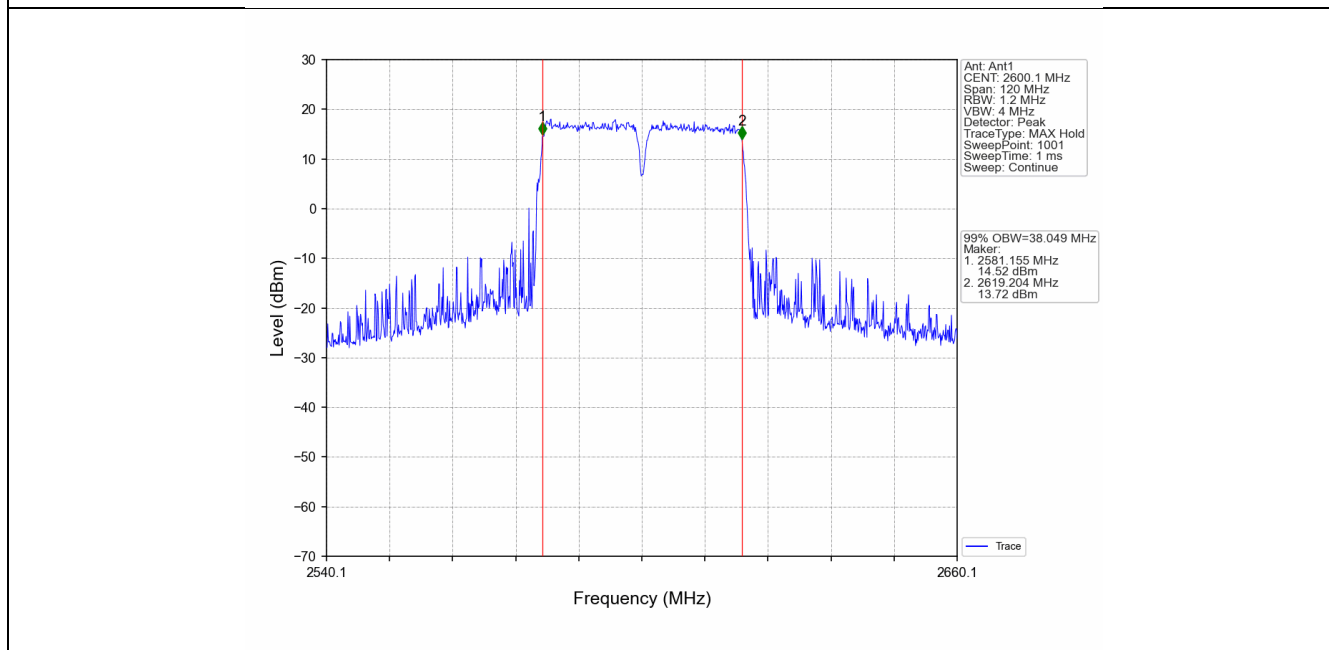
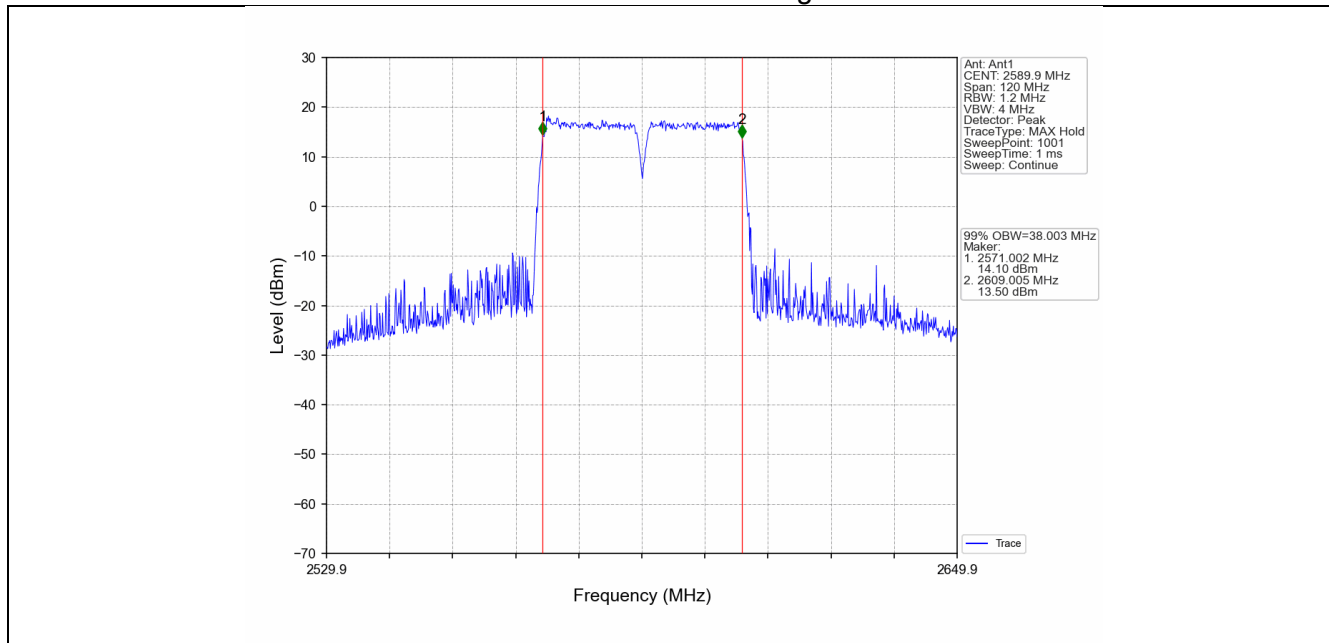


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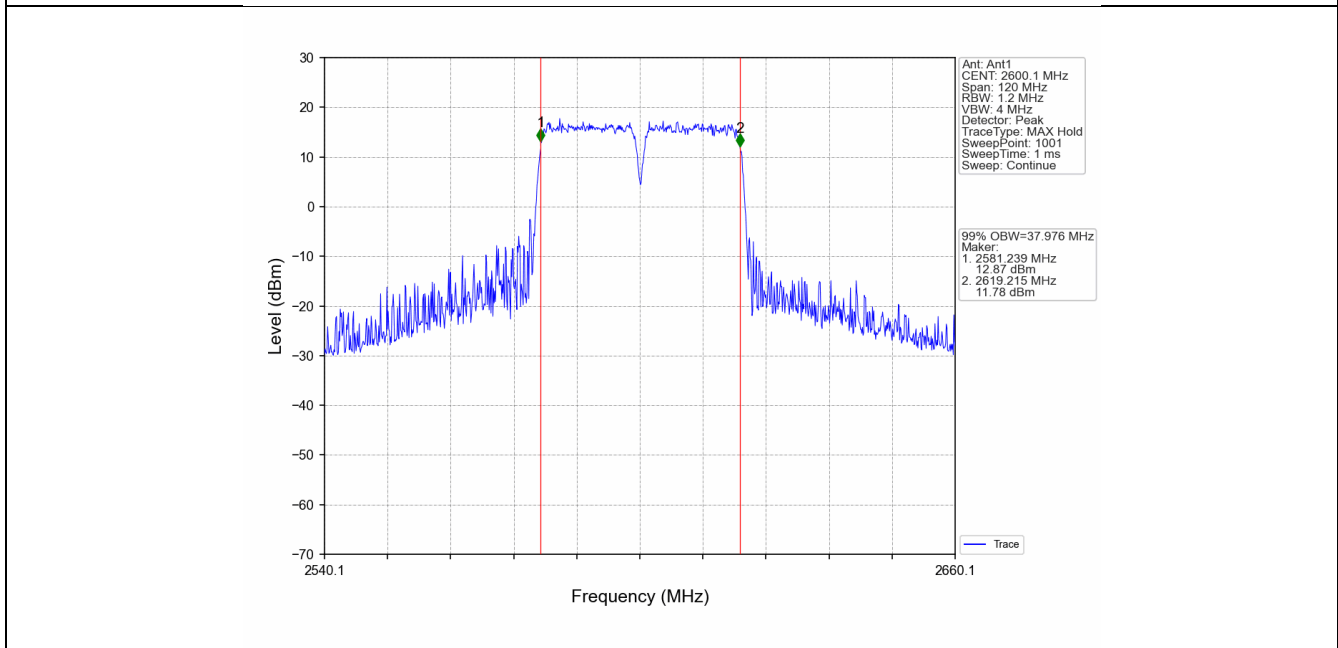
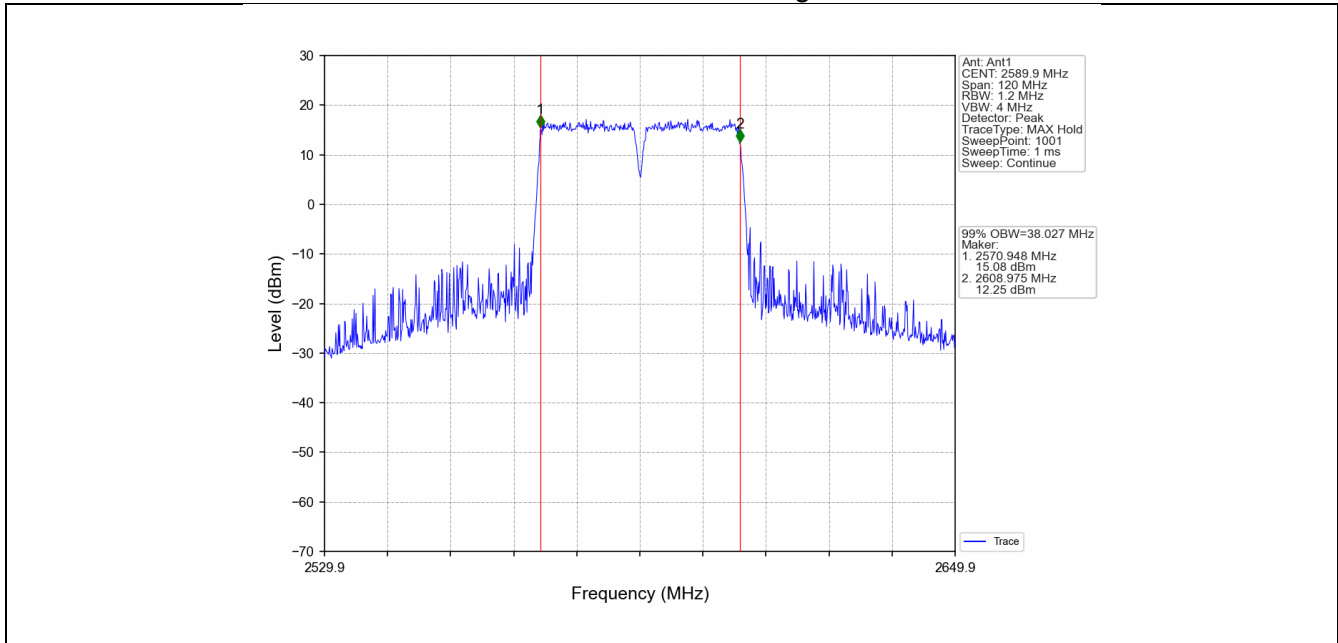
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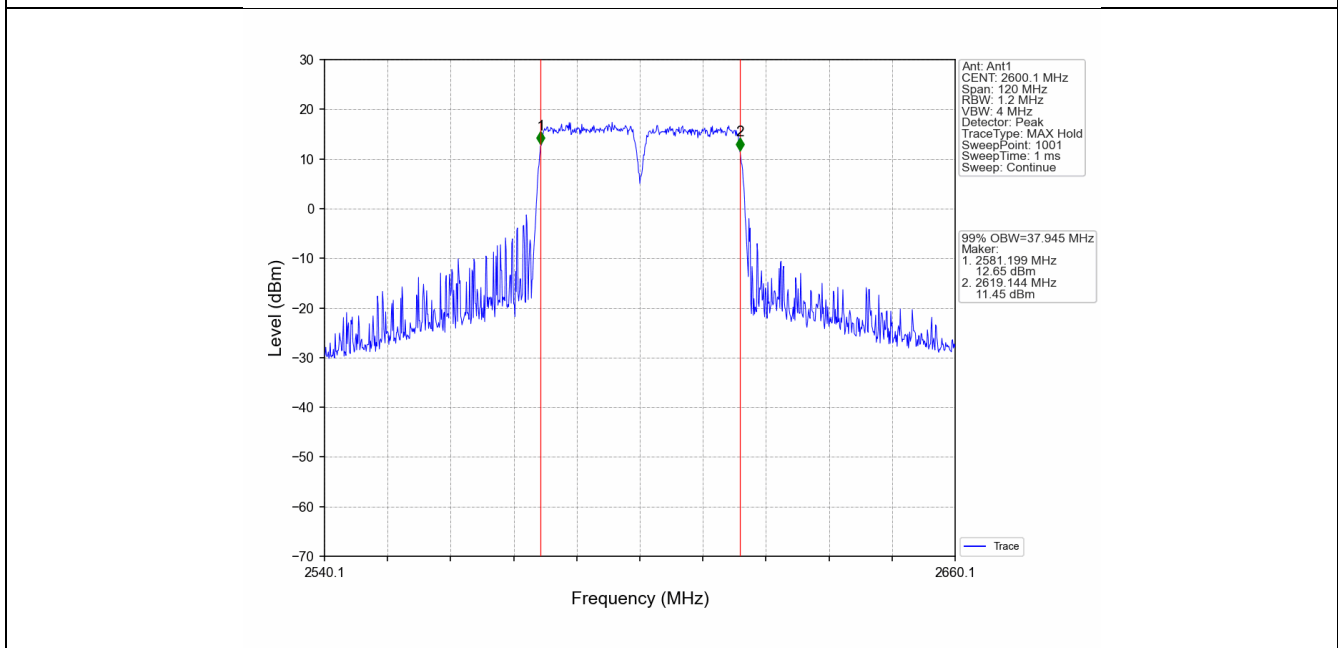
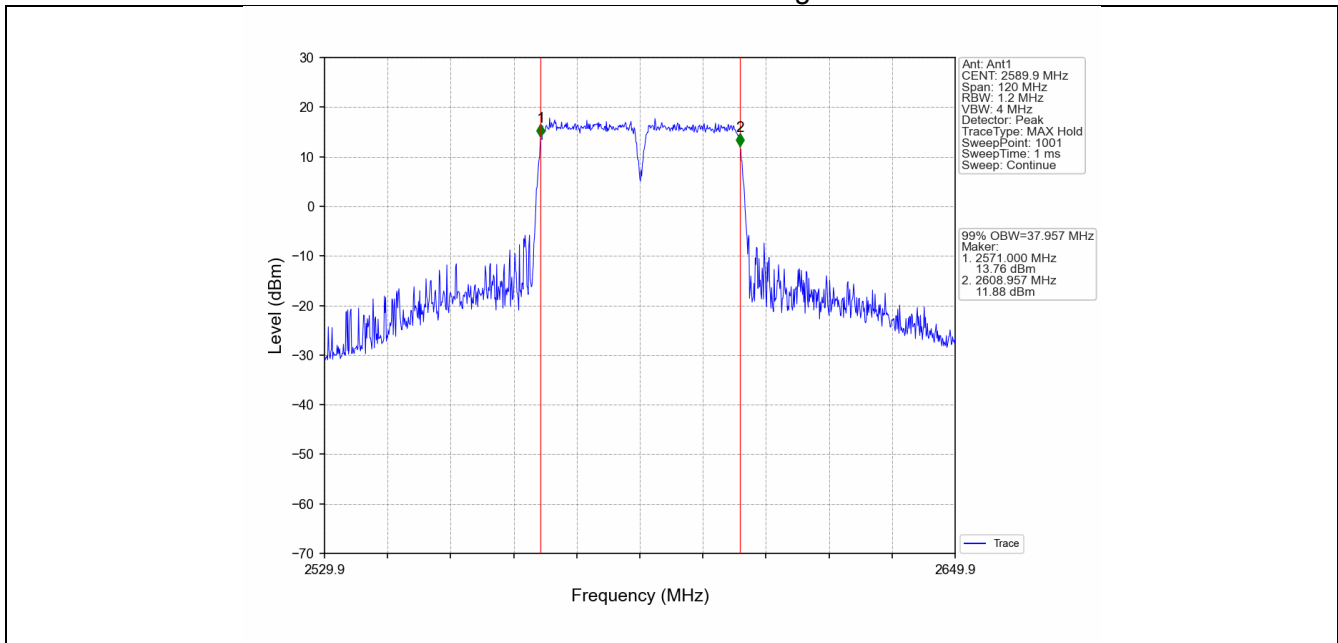
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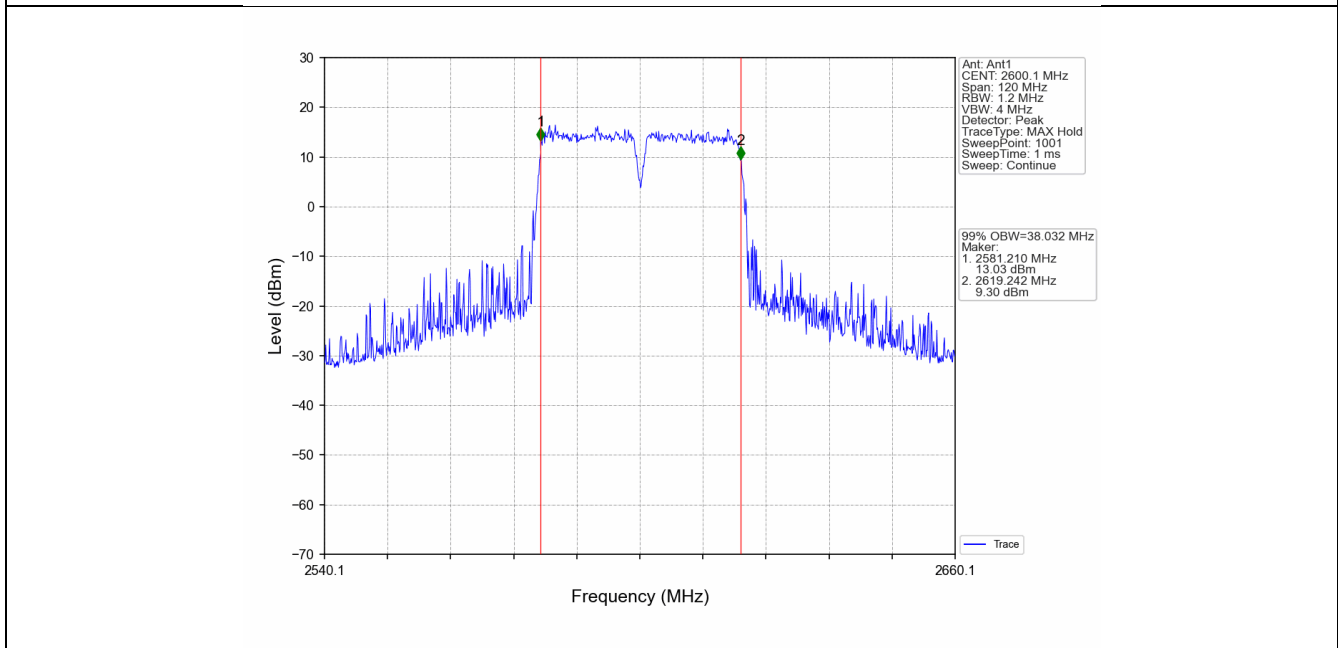
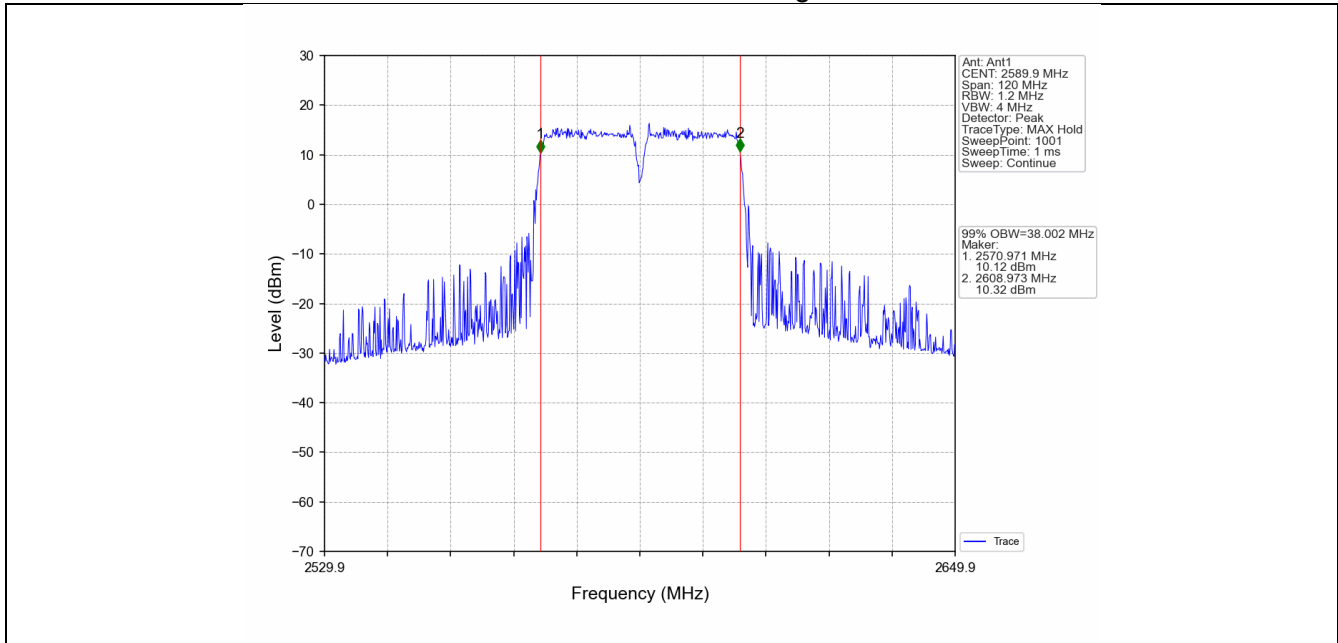
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2.2 CA_38C_NTNV_XDB

2.2.1 Test Result

Band: CA_38C / NTN						
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	26dB Bandwidth (MHz)		Verdict
				Sum	Limit	
CC1:15 CC2:15	CC1: QPSK	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	35.09	/	Pass
	CC2: QPSK	CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	33.43	/	Pass
	CC1: 16QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	34.80	/	Pass
	CC2: 16QAM	CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	39.99	/	Pass
	CC1: 64QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	33.25	/	Pass
	CC2: 64QAM	CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	33.19	/	Pass
	CC1: 256QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0 CC2: 75@0	38.81	/	Pass
	CC2: 256QAM	CC1:2597.5 CC2:2612.5	CC1: 75@0 CC2: 75@0	32.77	/	Pass
CC1:20 CC2:20	CC1: QPSK	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	41.10	/	Pass
	CC2: QPSK	CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	45.80	/	Pass
	CC1: 16QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	46.98	/	Pass
	CC2: 16QAM	CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	48.89	/	Pass
	CC1: 64QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	46.61	/	Pass
	CC2: 64QAM	CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	49.58	/	Pass
	CC1: 256QAM	CC1:2580 CC2:2599.8	CC1: 100@0 CC2: 100@0	50.30	/	Pass
	CC2: 256QAM	CC1:2590.2 CC2:2610	CC1: 100@0 CC2: 100@0	44.79	/	Pass

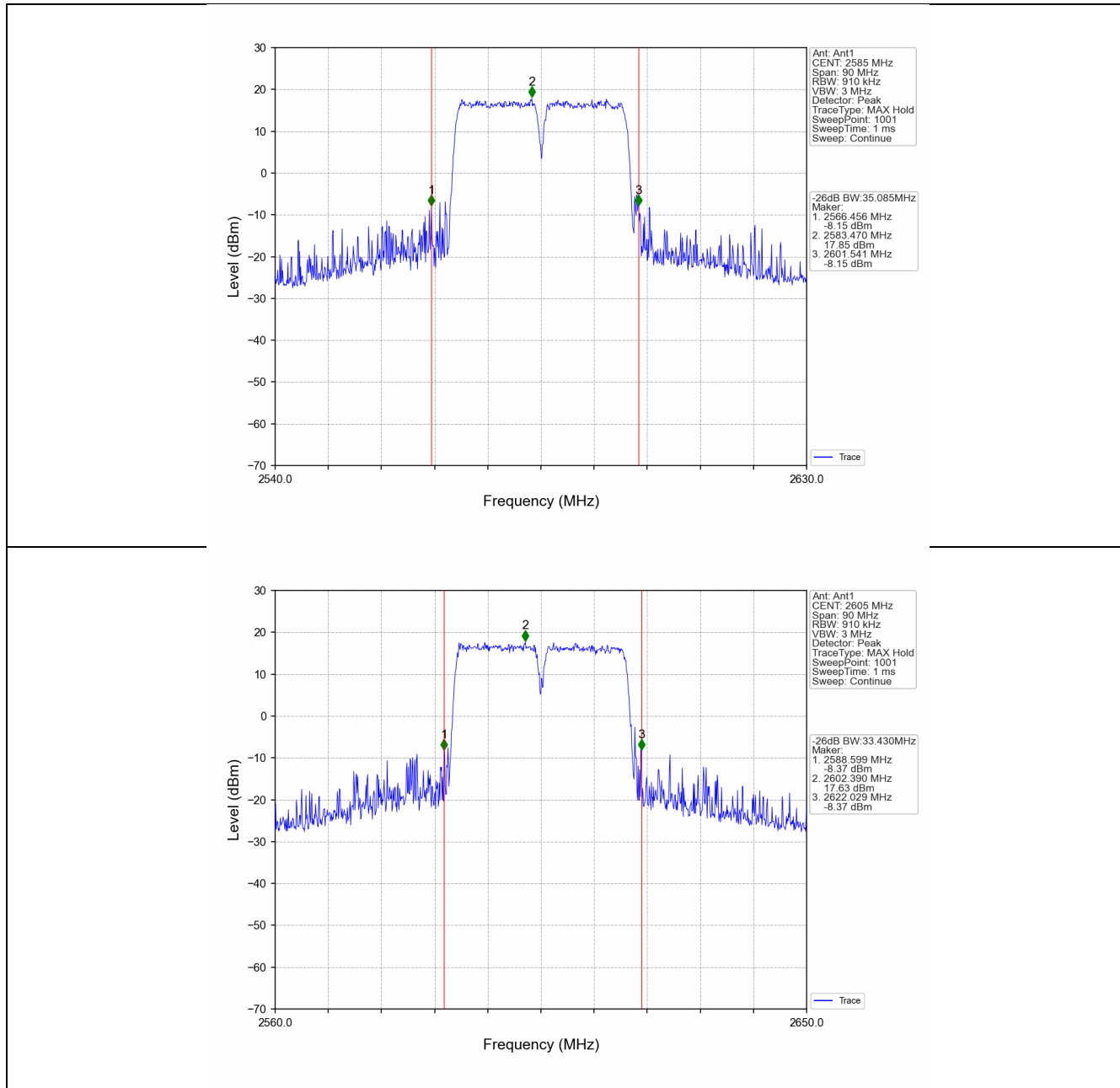


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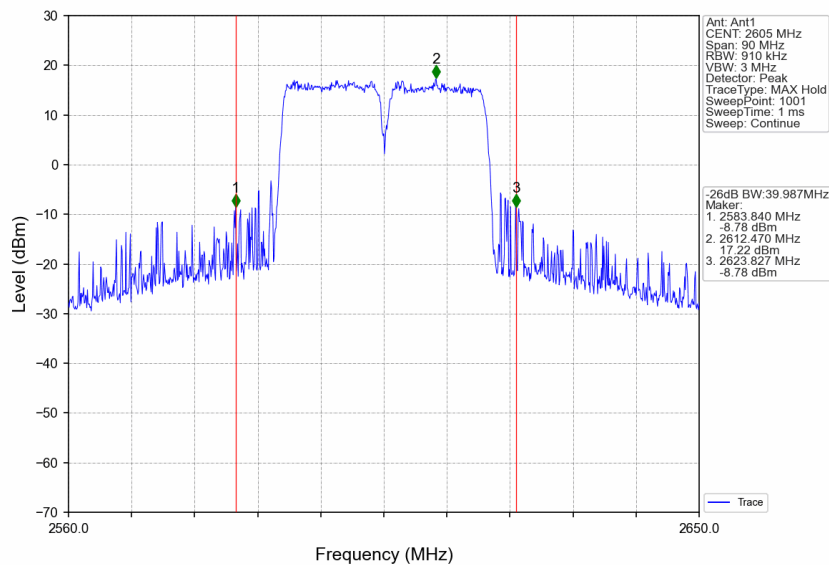
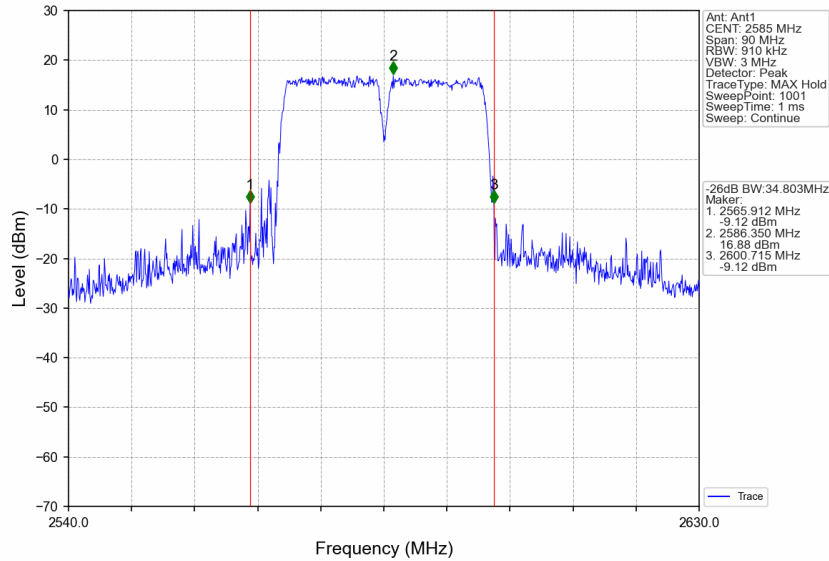
2.2.2 Test Graph



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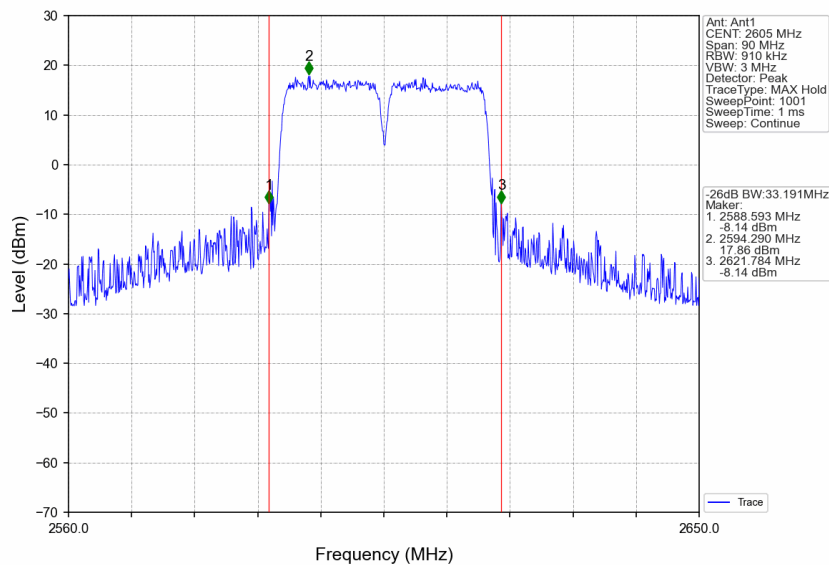
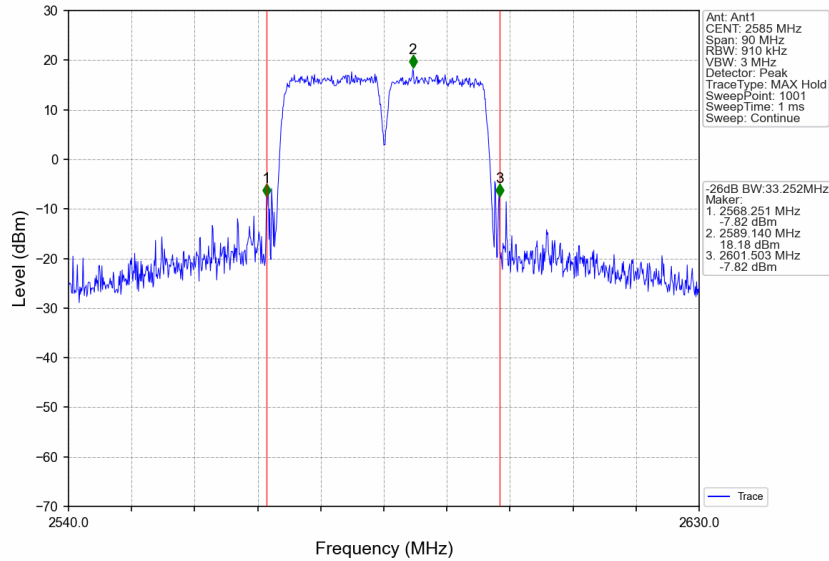
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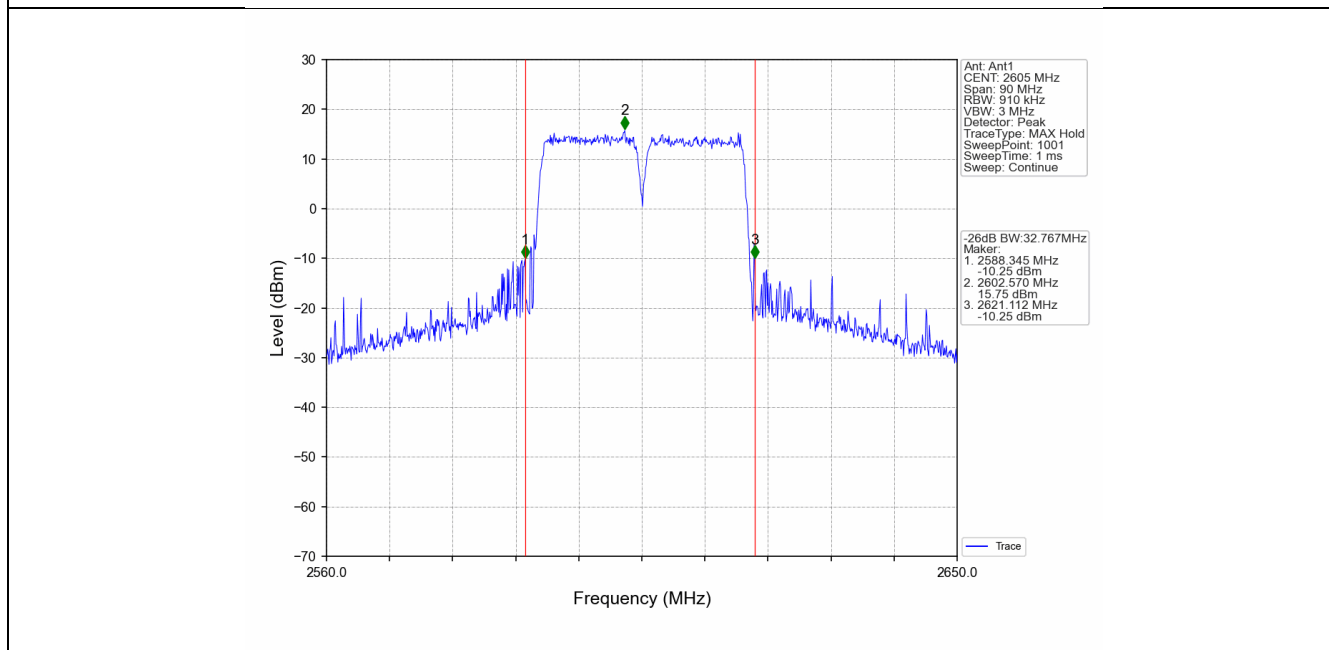
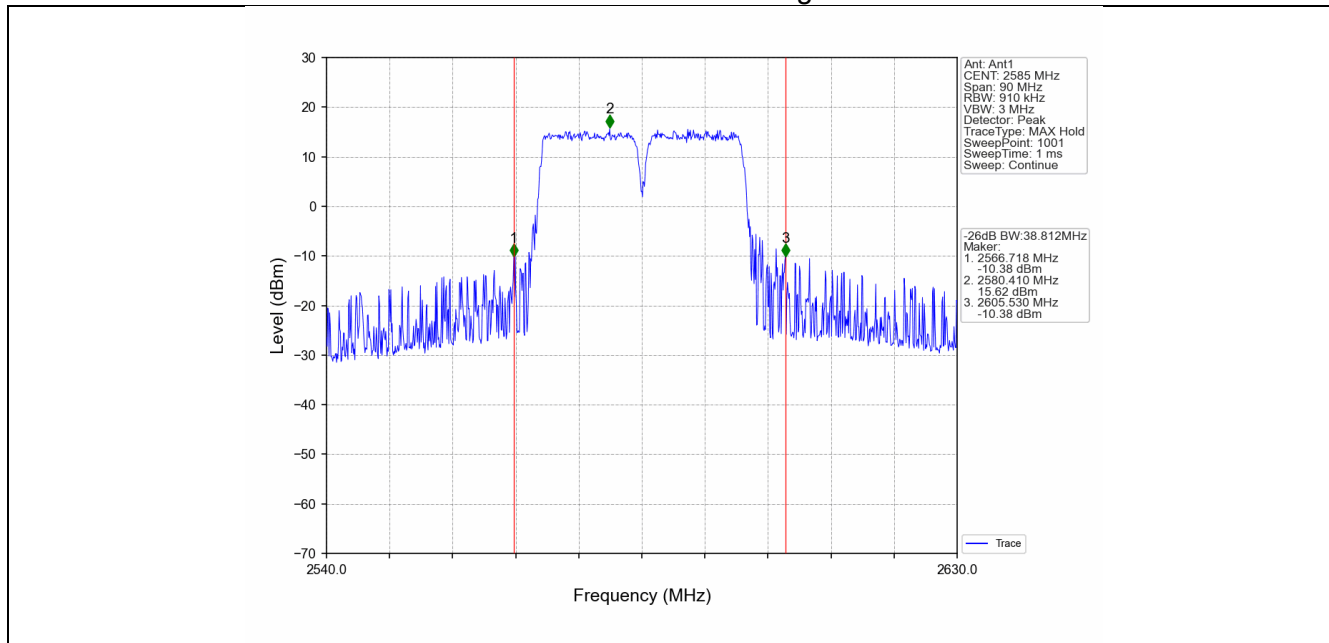


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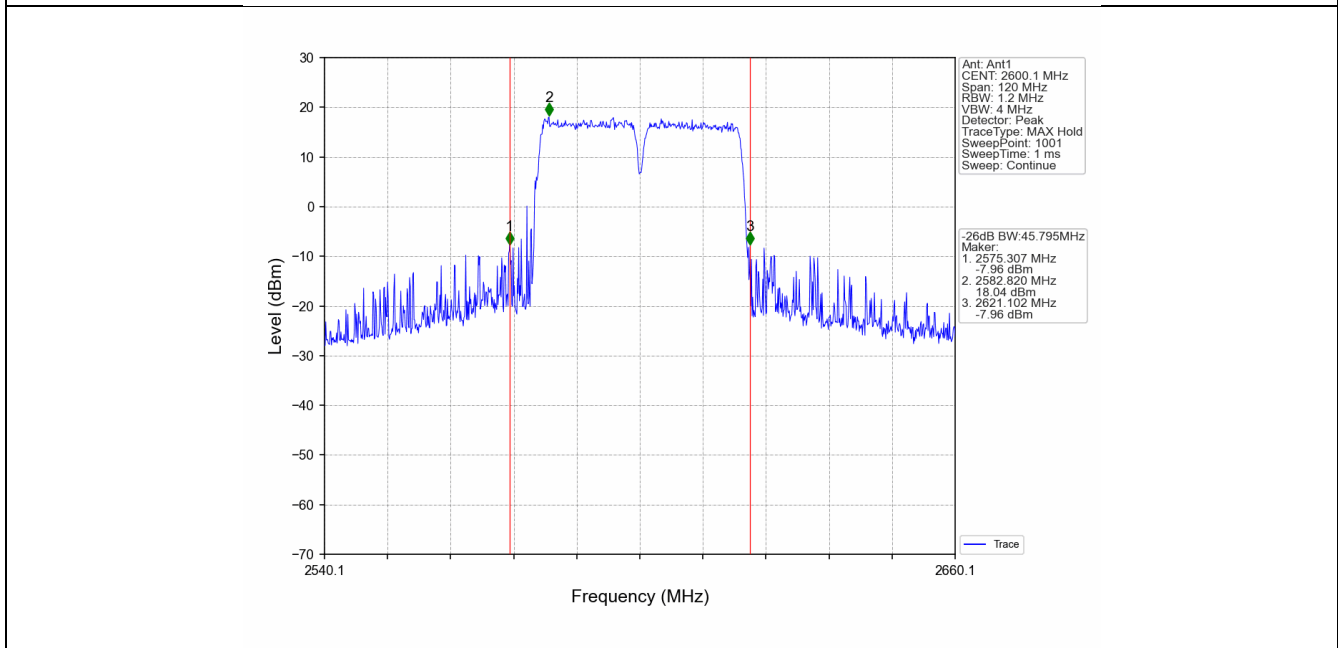
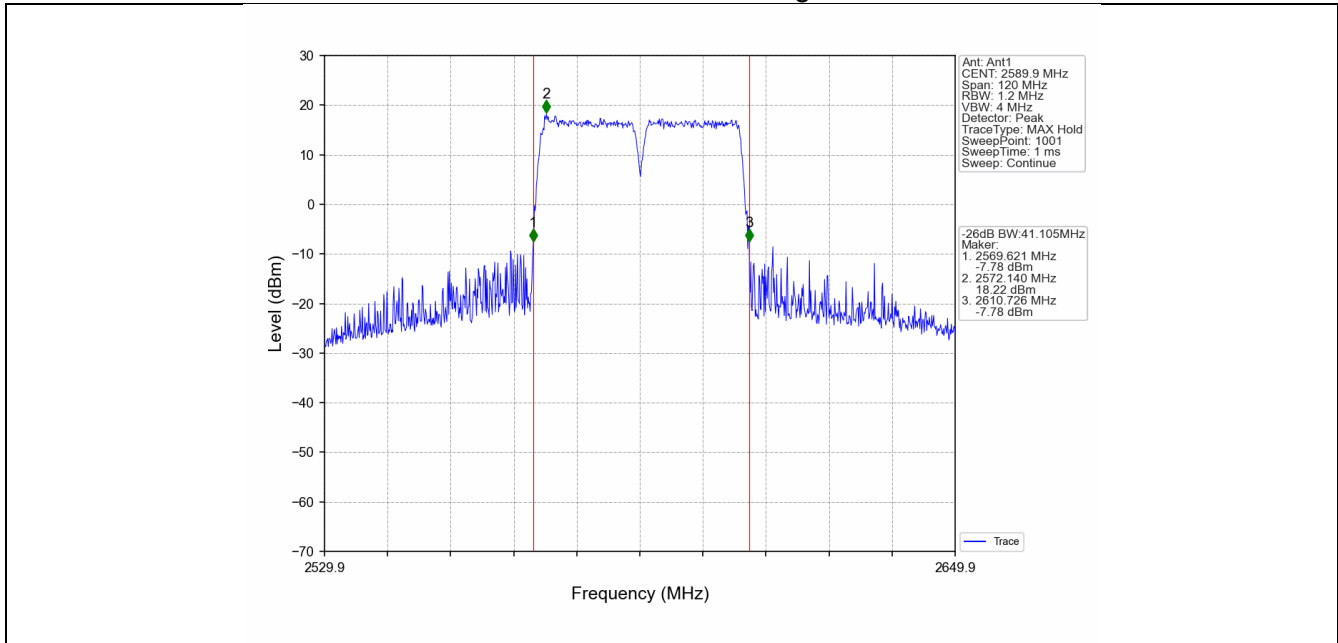
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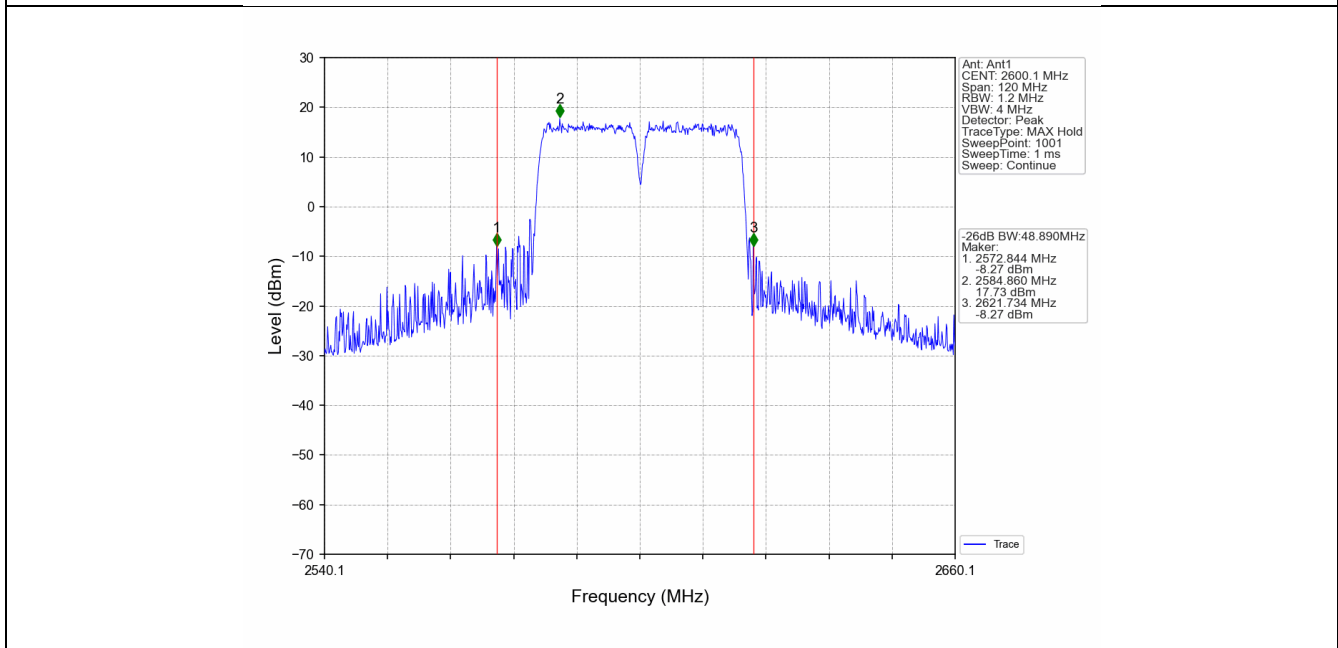
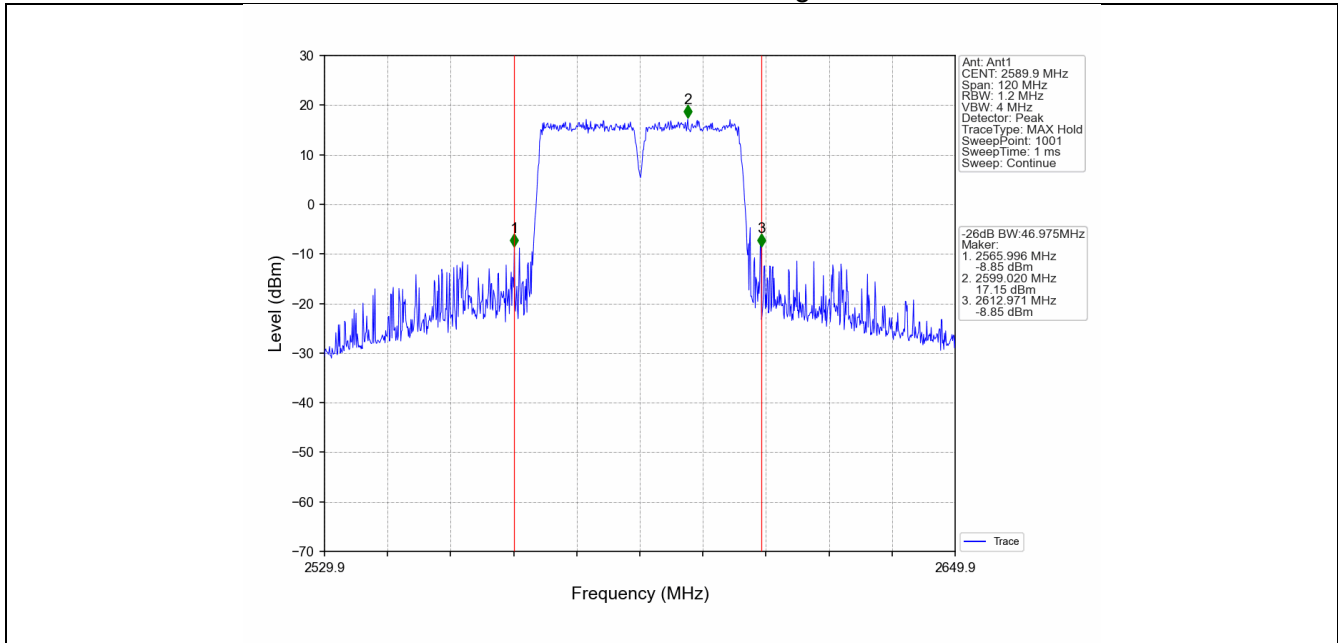
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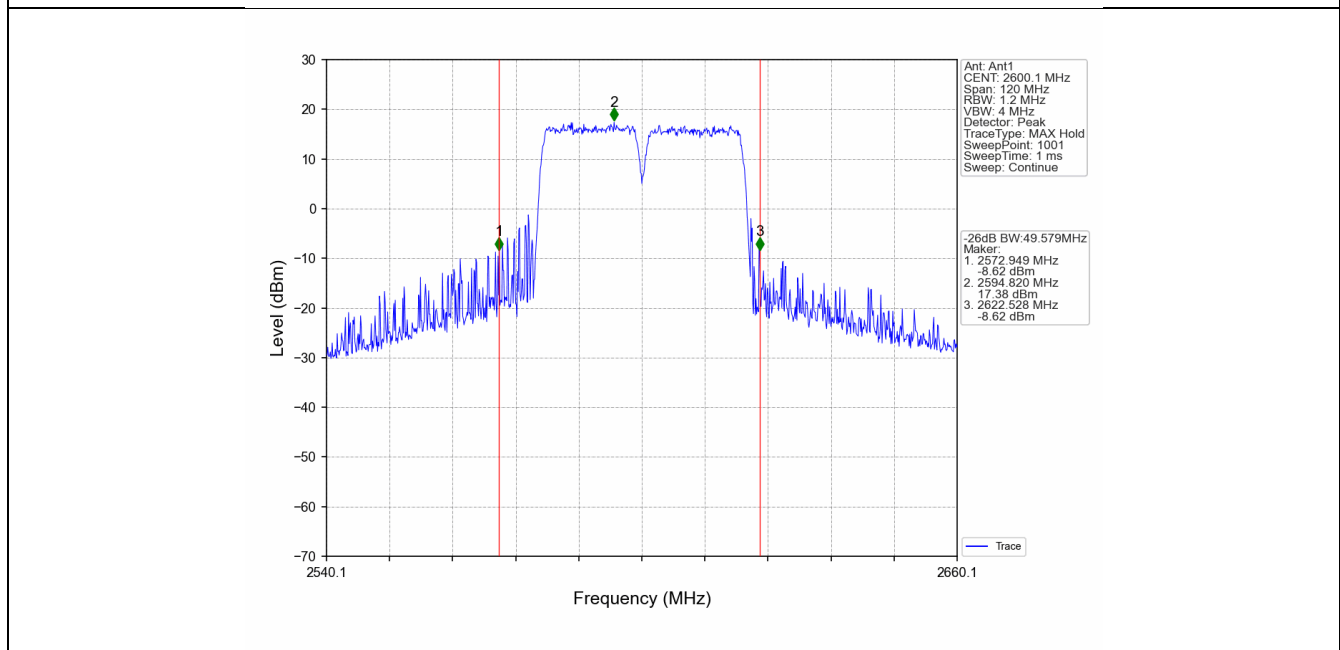
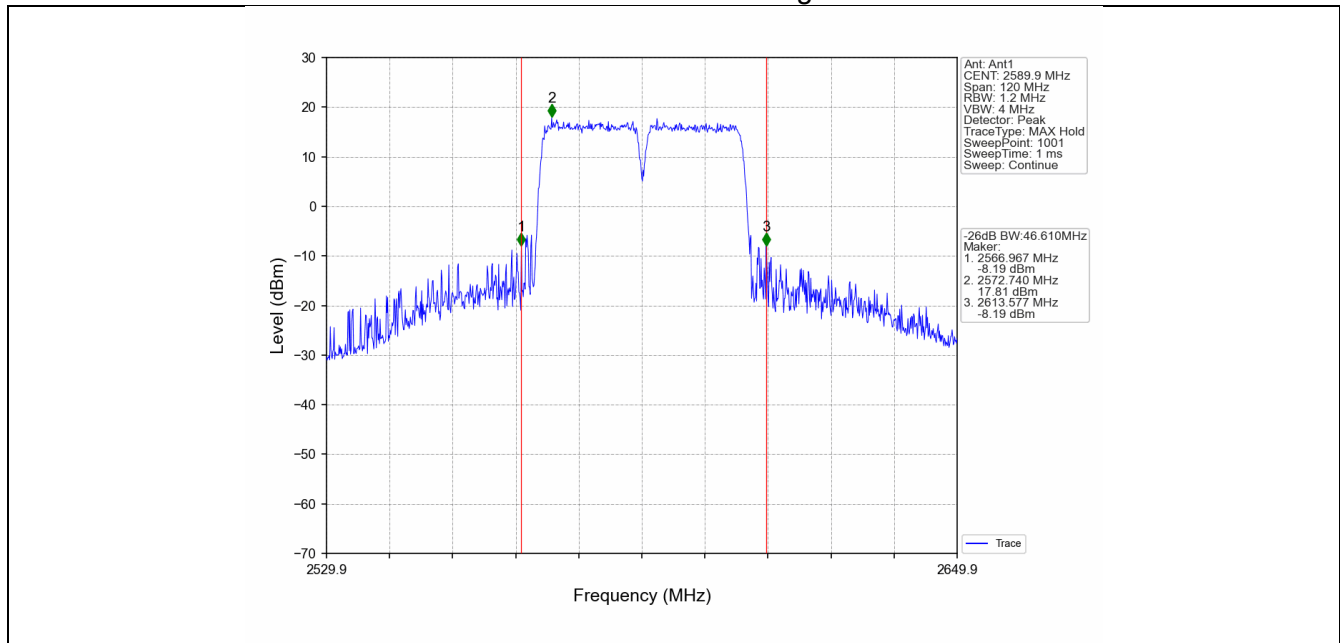
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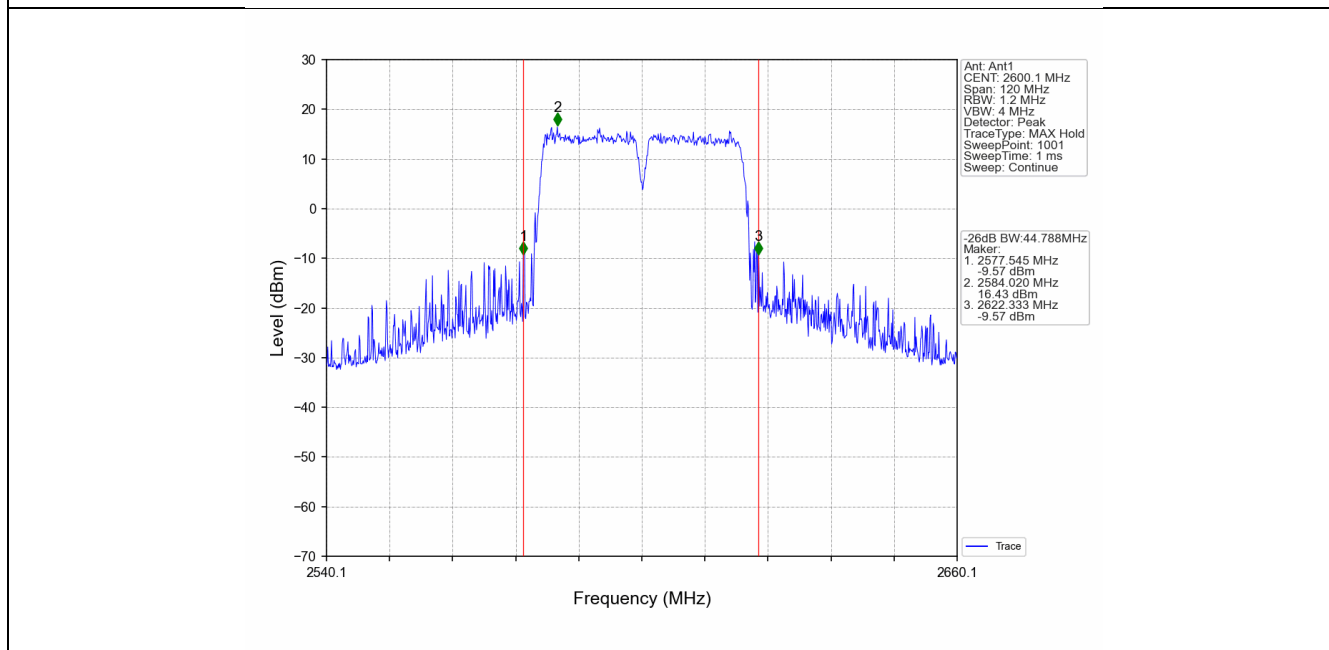
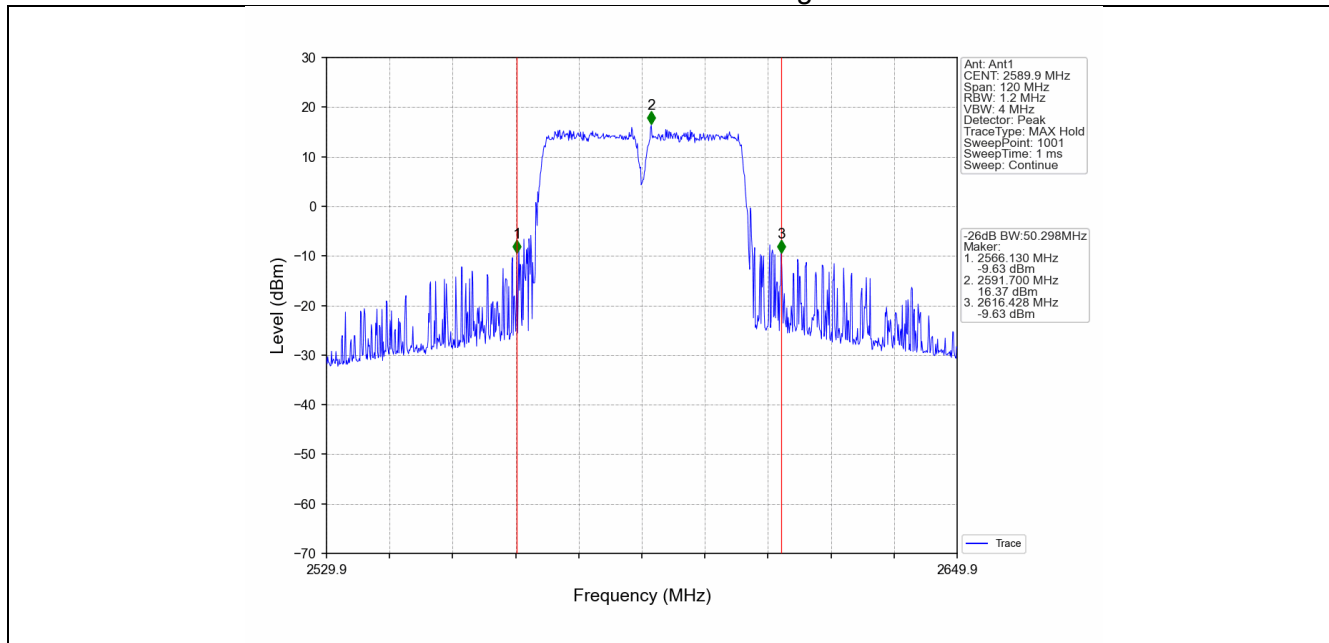
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3. Field Strength of Spurious Radiation

Test Band = LTE Band 38C_ TM1
Test Channel = Low Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142.18	61.23	-47.85	31.84	-50.04	-25.00	25.04	Horizontal
2	7713.27	55.85	-45.17	36.54	-48.04	-25.00	23.04	Horizontal
3	10284.36	43.94	-41.30	38.76	-53.87	-25.00	28.87	Horizontal
4	12855.45	44.35	-39.37	38.69	-51.60	-25.00	26.60	Horizontal
5	15426.54	35.73	-37.45	39.29	-57.69	-25.00	32.69	Horizontal
6	17997.63	35.46	-36.60	45.29	-51.11	-25.00	26.11	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5142.18	57.88	-47.85	31.84	-53.39	-25.00	28.39	Vertical
2	7713.27	55.72	-45.17	36.54	-48.17	-25.00	23.17	Vertical
3	10284.36	48.88	-41.30	38.76	-48.93	-25.00	23.93	Vertical
4	12855.45	50.01	-39.37	38.69	-45.94	-25.00	20.94	Vertical
5	15426.54	36.13	-37.45	39.29	-57.29	-25.00	32.29	Vertical
6	17997.63	34.72	-36.60	45.29	-51.85	-25.00	26.85	Vertical



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 Rev.: 01
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Test Band = LTE Band 38C_ TM1
Test Channel = Mid Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17915.5	37.07	-36.46	44.76	-49.90	-25.00	24.90	Horizontal
2	5152.38	60.40	-47.86	31.87	-50.85	-25.00	25.85	Horizontal
3	7728.57	53.86	-45.12	36.53	-50.00	-25.00	25.00	Horizontal
4	10304.76	43.23	-41.15	38.77	-54.41	-25.00	29.41	Horizontal
5	12880.95	43.70	-39.41	38.67	-52.29	-25.00	27.29	Horizontal
6	15457.14	36.04	-37.71	39.23	-57.70	-25.00	32.70	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	17978.5	36.80	-36.57	45.16	-49.86	-25.00	24.86	Vertical
2	5152.38	60.31	-47.86	31.87	-50.94	-25.00	25.94	Vertical
3	7728.57	54.13	-45.12	36.53	-49.73	-25.00	24.73	Vertical
4	10304.76	46.42	-41.15	38.77	-51.22	-25.00	26.22	Vertical
5	12880.95	49.01	-39.41	38.67	-46.98	-25.00	21.98	Vertical
6	15457.14	36.21	-37.71	39.23	-57.53	-25.00	32.53	Vertical



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Test Band = LTE Band 38C_ TM1
Test Channel = High Channel

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5162.58	60.46	-47.86	31.89	-50.77	-25.00	25.77	Horizontal
2	7743.87	54.08	-45.08	36.51	-49.75	-25.00	24.75	Horizontal
3	10325.16	43.09	-41.17	38.79	-54.55	-25.00	29.55	Horizontal
4	12906.45	42.26	-39.43	38.66	-53.77	-25.00	28.77	Horizontal
5	15487.74	36.16	-37.97	39.17	-57.90	-25.00	32.90	Horizontal

Final Data List								
NO.	Frequency [MHz]	Reading [dBμV]	Factor [dB]	AF[dB/m]	Level [dBm]	Limit [dBm]	Margin [dB]	Polarity
1	5162.5	60.92	-47.86	31.89	-50.31	-25.00	25.31	Vertical
2	7743.87	56.35	-45.08	36.51	-47.48	-25.00	22.48	Vertical
3	10325.16	45.85	-41.17	38.79	-51.79	-25.00	26.79	Vertical
4	12906.45	48.79	-39.43	38.66	-47.24	-25.00	22.24	Vertical
5	15487.74	35.84	-37.97	39.17	-58.22	-25.00	33.22	Vertical

Remark:

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

AF = Antenna Factor(dB/m)

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

Level = Reading Level + AF + Factor -95.26

Margin = Limit – Level

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



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4. Spurious Emission & Band Edges

4.1 CA_38C_NTNV

4.1.1 Test Result

Band: CA_38C / NTN								
BW (MHz)	Modulation	Frequency (MHz)	RB Allocation	Spurious Emission				Verdict
				CC1	CC2	Sum	Limit	
CC1:15 CC2:15	CC1: QPSK CC2: QPSK	CC1:2577.5 CC2:2592.5	CC1: 1@0	Refer To Test Graph			Pass	
			CC2: 1@0	Refer To Test Graph			Pass	
		CC1:2597.5 CC2:2612.5	CC1: 75@0	Refer To Test Graph			Pass	
			CC2: 75@0	Refer To Test Graph			Pass	
			CC1: 1@0	Refer To Test Graph			Pass	
			CC2: 1@0	Refer To Test Graph			Pass	
	CC1:16QAM CC2:16QAM	CC1:2577.5 CC2:2592.5	CC1: 1@74	Refer To Test Graph			Pass	
			CC2: 1@74	Refer To Test Graph			Pass	
		CC1:2597.5 CC2:2612.5	CC1: 75@0	Refer To Test Graph			Pass	
			CC2: 75@0	Refer To Test Graph			Pass	
			CC1: 1@0	Refer To Test Graph			Pass	
			CC2: 1@0	Refer To Test Graph			Pass	
	CC1:64QAM CC2:64QAM	CC1:2577.5 CC2:2592.5	CC1: 1@0	Refer To Test Graph			Pass	
			CC2: 1@0	Refer To Test Graph			Pass	
		CC1:2597.5 CC2:2612.5	CC1: 75@0	Refer To Test Graph			Pass	
			CC2: 75@0	Refer To Test Graph			Pass	
			CC1: 1@74	Refer To Test Graph			Pass	
			CC2: 1@74	Refer To Test Graph			Pass	
	CC1:256QAM CC2:256QAM	CC1:2577.5 CC2:2592.5	CC1: 75@0	Refer To Test Graph			Pass	
			CC2: 75@0	Refer To Test Graph			Pass	
		CC1:2597.5 CC2:2612.5	CC1: 1@0	Refer To Test Graph			Pass	
			CC2: 1@0	Refer To Test Graph			Pass	
			CC1: 1@74	Refer To Test Graph			Pass	
			CC2: 1@74	Refer To Test Graph			Pass	



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CC1:20 CC2:20	CC1: QPSK CC2: QPSK	CC1:2580 CC2:2599.8	CC1: 1@0	Refer To Test Graph	Pass
			CC2: 1@0		
		CC1:2590.2 CC2:2610	CC1: 100@0	Refer To Test Graph	Pass
			CC2: 100@0		
	CC1: 16QAM CC2: 16QAM	CC1:2580 CC2:2599.8	CC1: 1@0	Refer To Test Graph	Pass
			CC2: 1@0		
		CC1:2590.2 CC2:2610	CC1: 100@0	Refer To Test Graph	Pass
			CC2: 100@0		
	CC1: 64QAM CC2: 64QAM	CC1:2580 CC2:2599.8	CC1: 1@0	Refer To Test Graph	Pass
			CC2: 1@0		
		CC1:2590.2 CC2:2610	CC1: 100@0	Refer To Test Graph	Pass
			CC2: 100@0		
	CC1: 256QAM CC2: 256QAM	CC1:2580 CC2:2599.8	CC1: 1@0	Refer To Test Graph	Pass
			CC2: 1@0		
		CC1:2590.2 CC2:2610	CC1: 100@0	Refer To Test Graph	Pass
			CC2: 100@0		

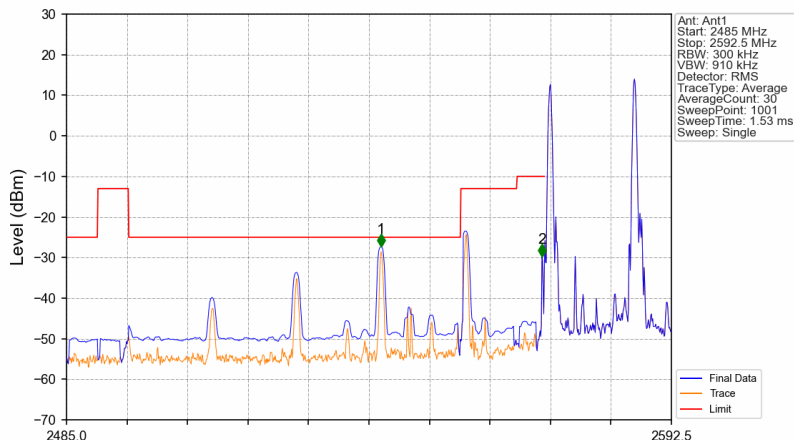


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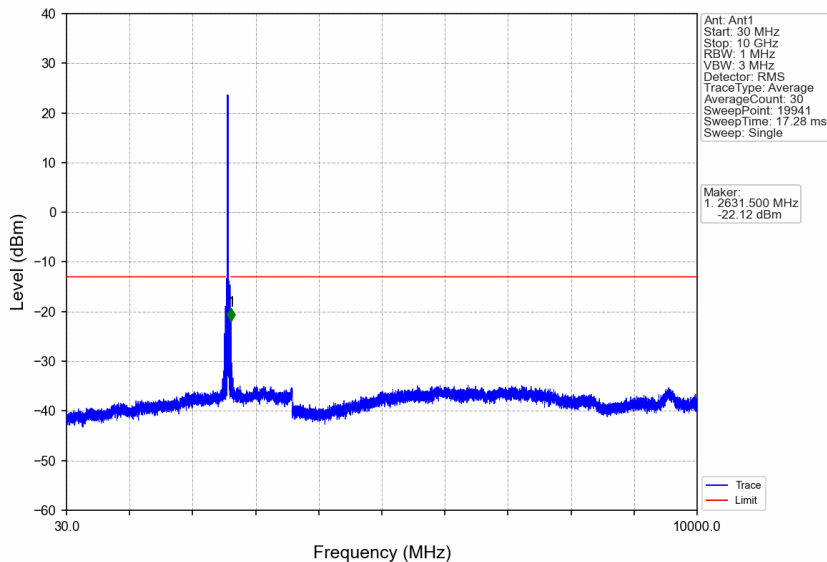
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4.1.2 Test Graph



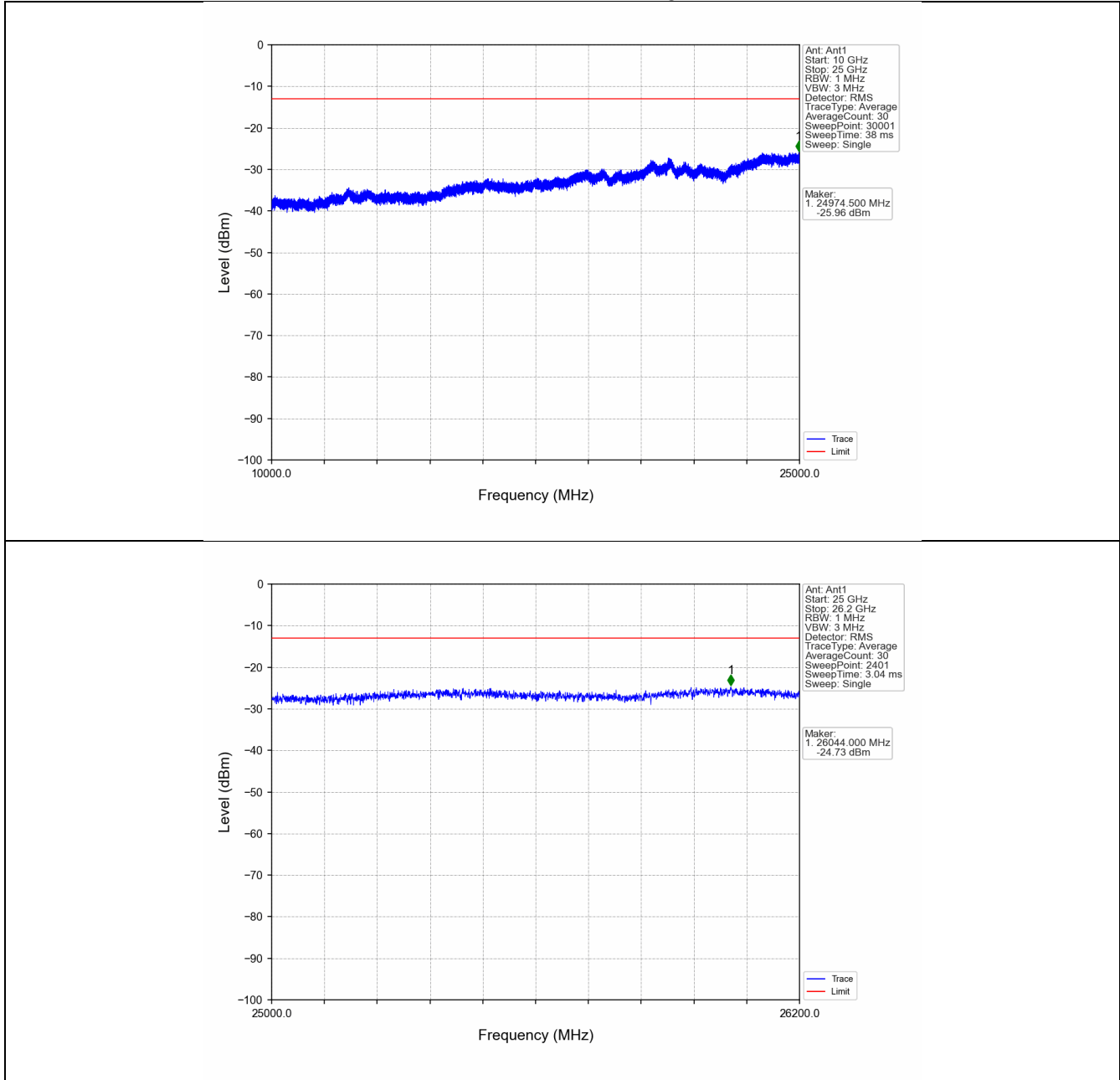
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2540.900	-27.36	-25	Pass
2569	2570	0.3	/	2	2569.495	-29.83	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/



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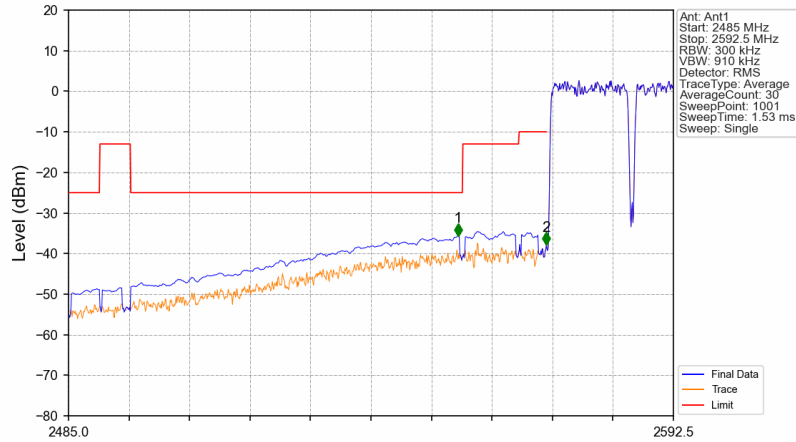
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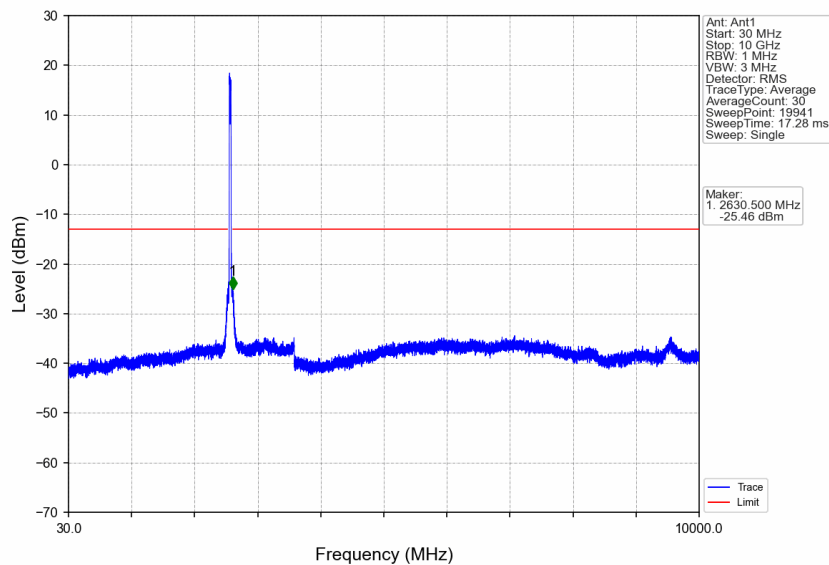
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2554.230	-35.67	-25	Pass
2569	2570	0.3	/	2	2569.925	-37.79	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/



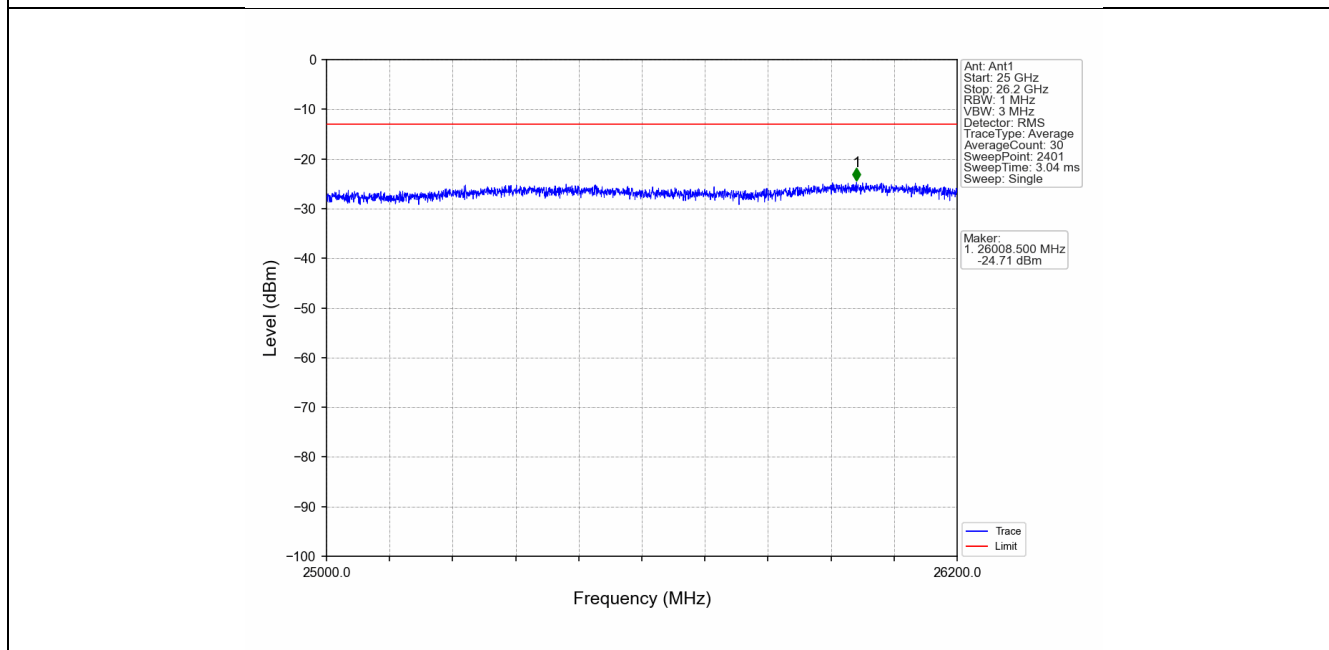
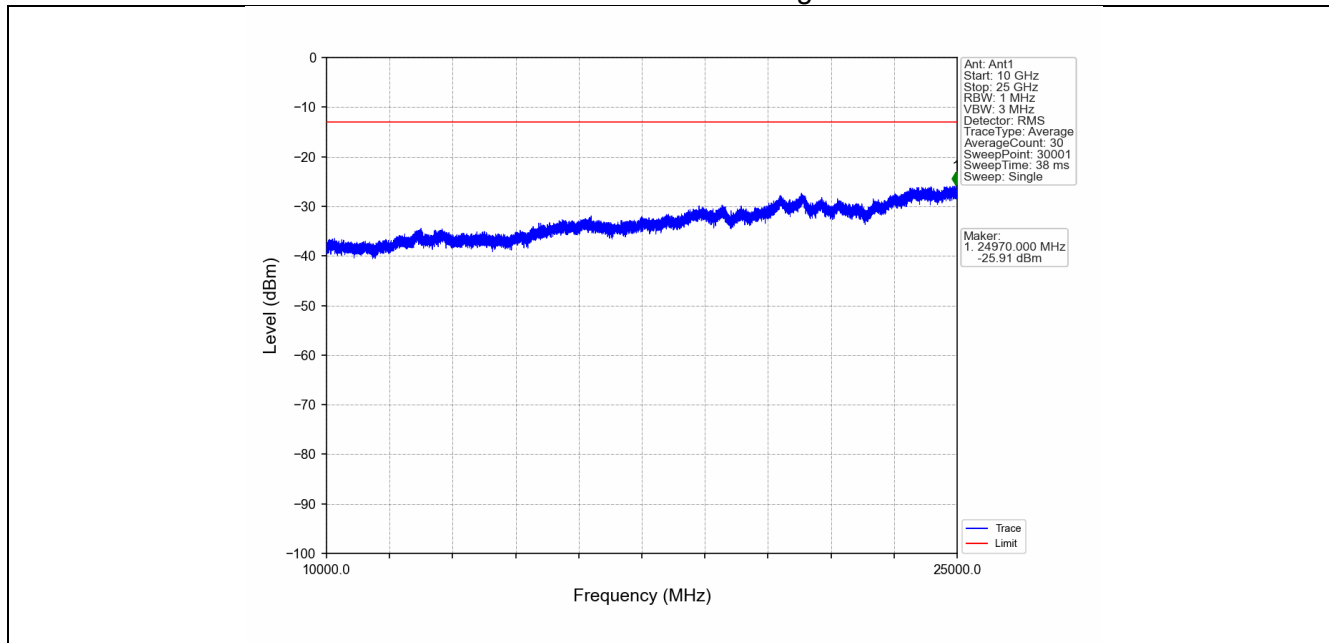
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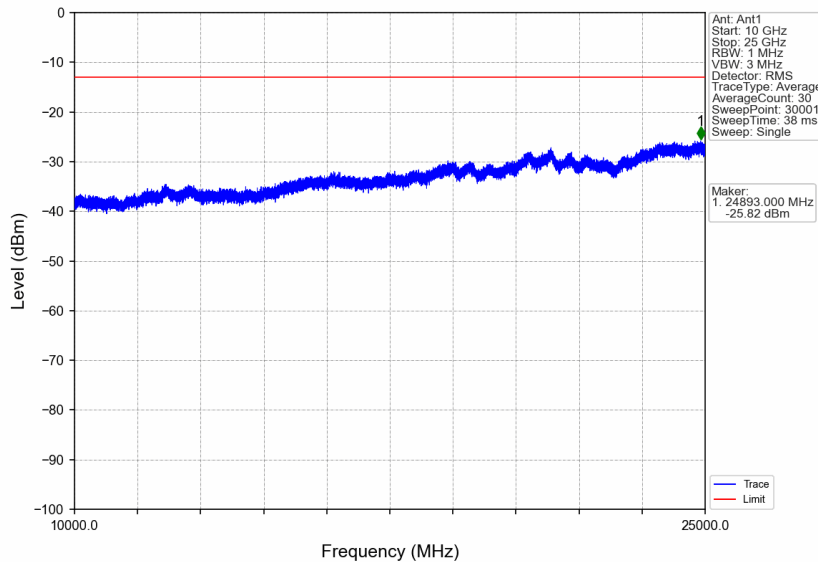
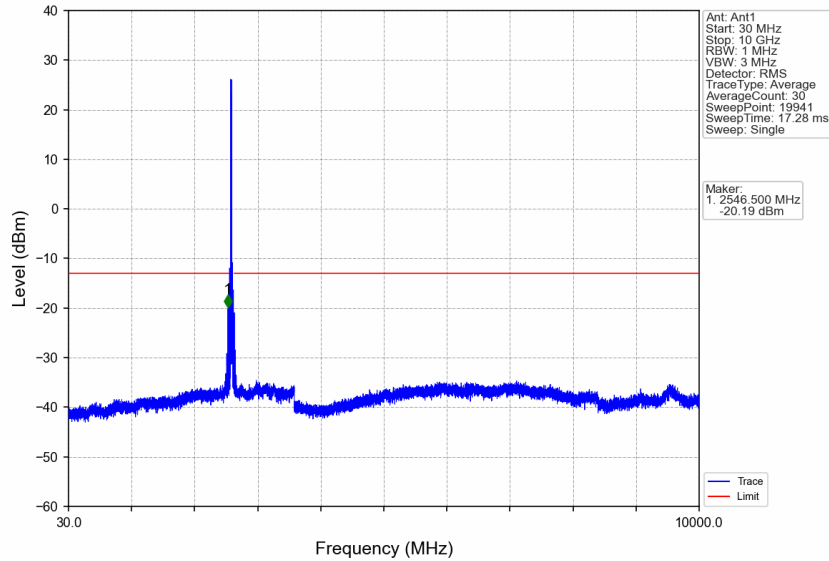
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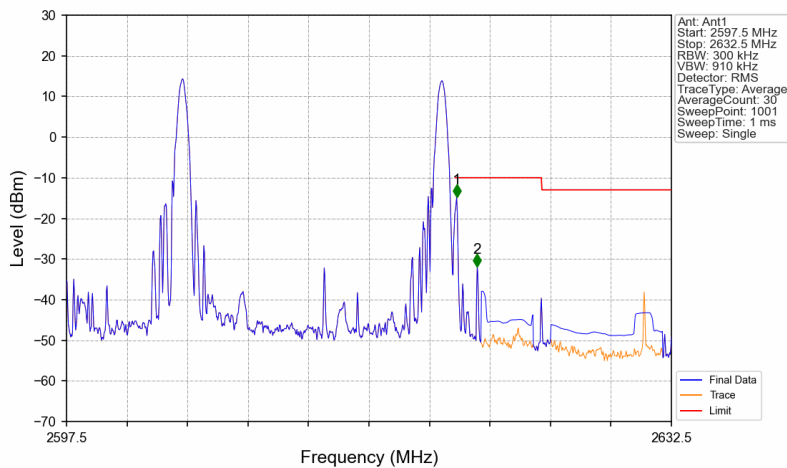
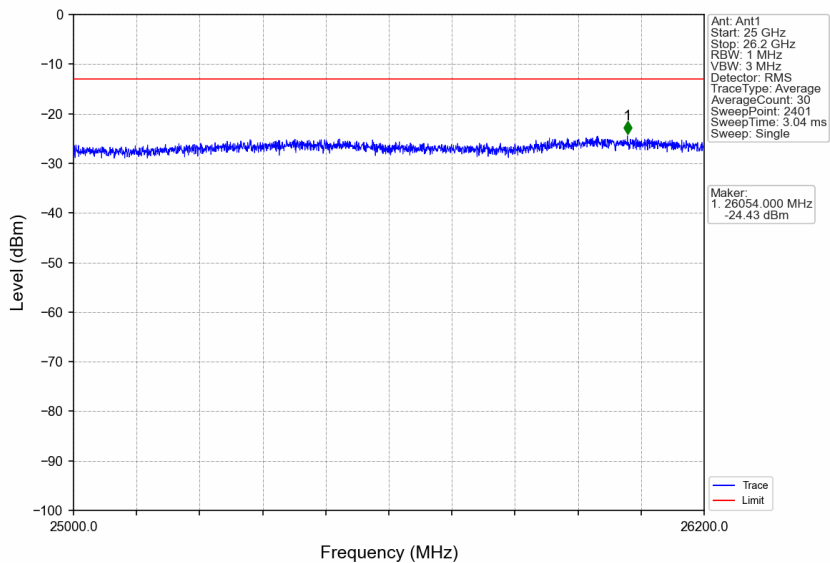
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.3	/	/	/	/	/	/
2620	2621	0.3	/	1	2620.075	-14.79	-10	Pass
2621	2632.5	1	CHP	2	2621.265	-31.86	-10	Pass

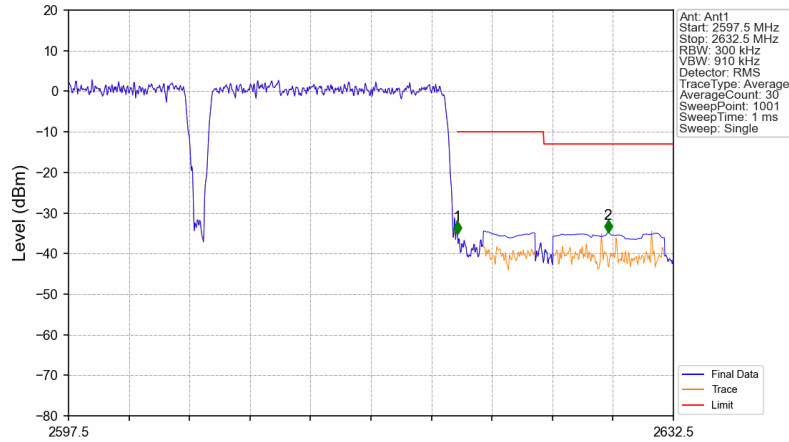


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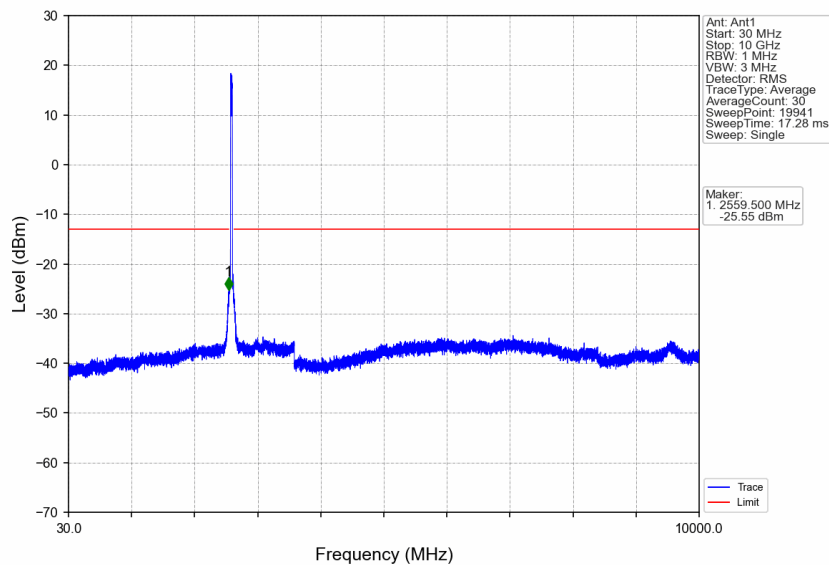
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.3	/	/	/	/	/	/
2620	2621	0.3	/	1	2620.005	-35.20	-10	Pass
2621	2632.5	1	CHP	2	2628.720	-34.82	-13	Pass



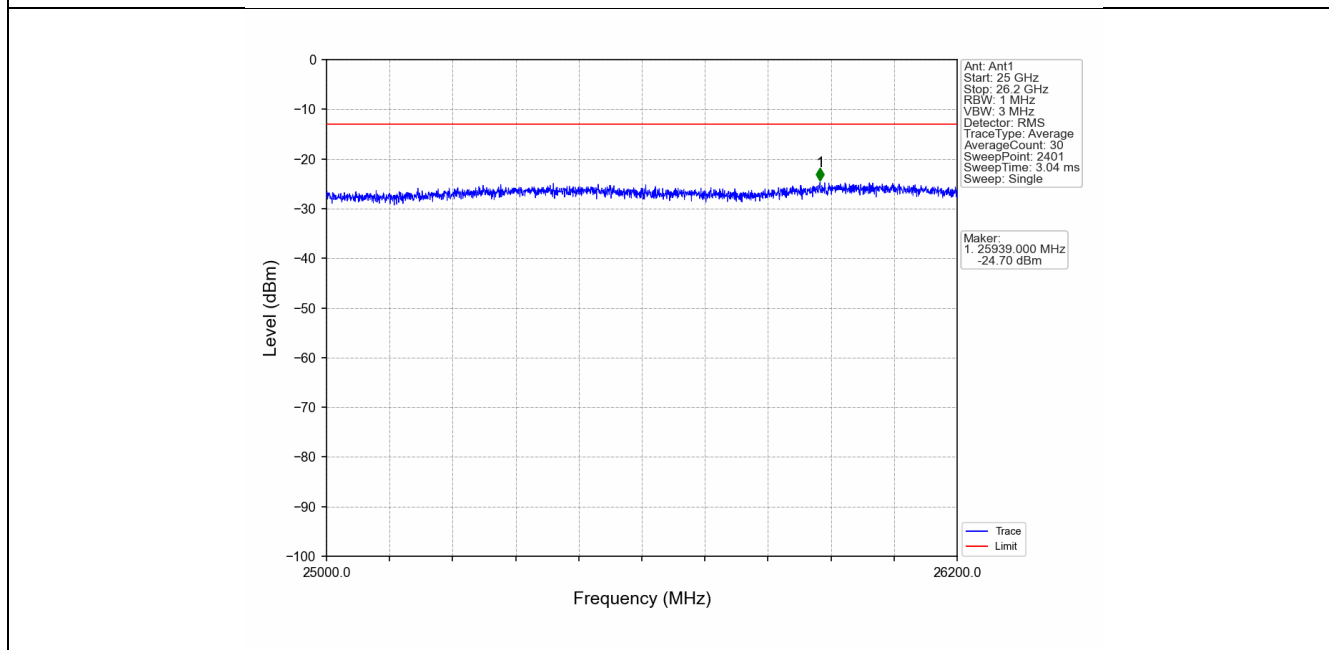
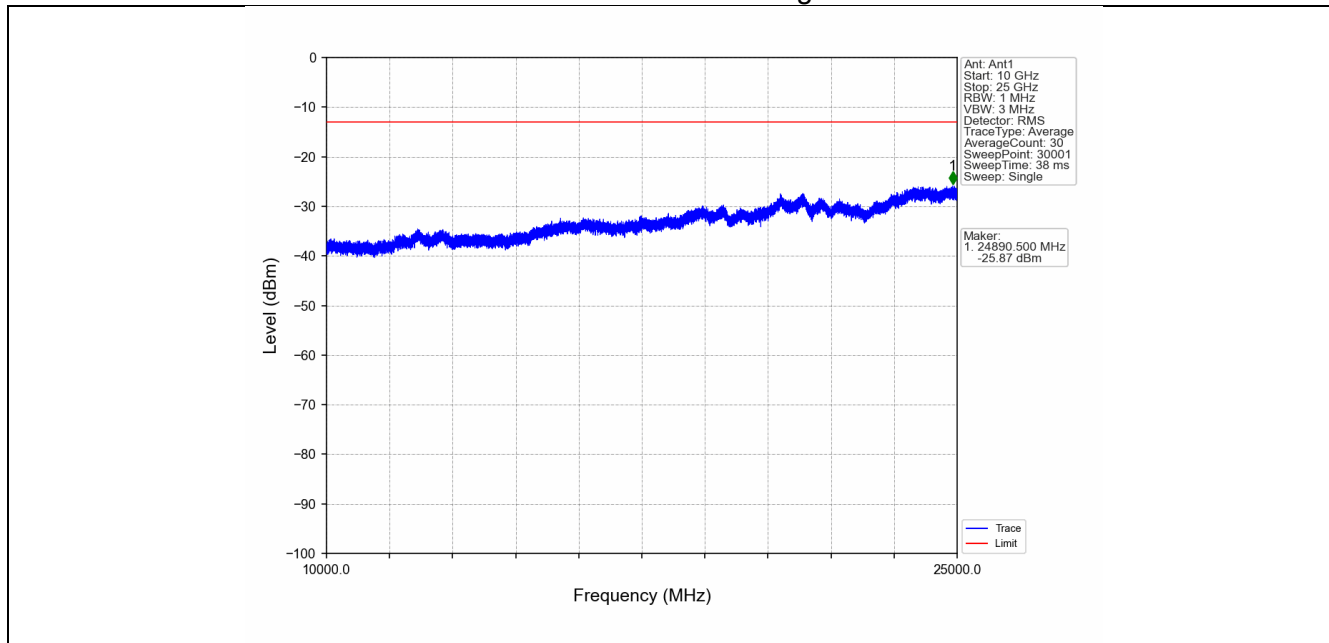
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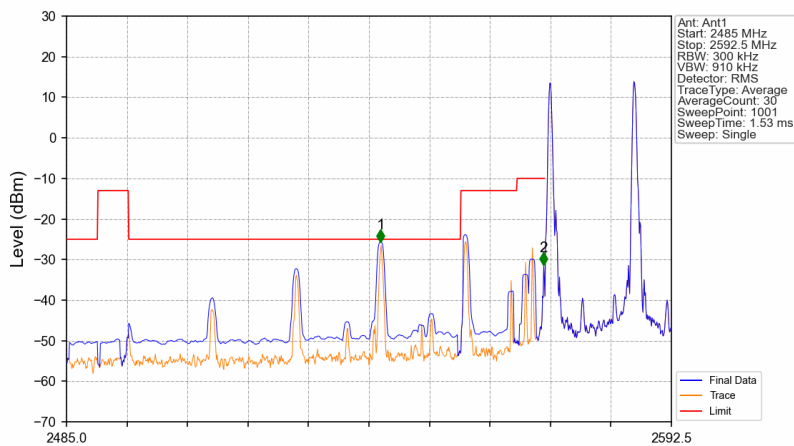
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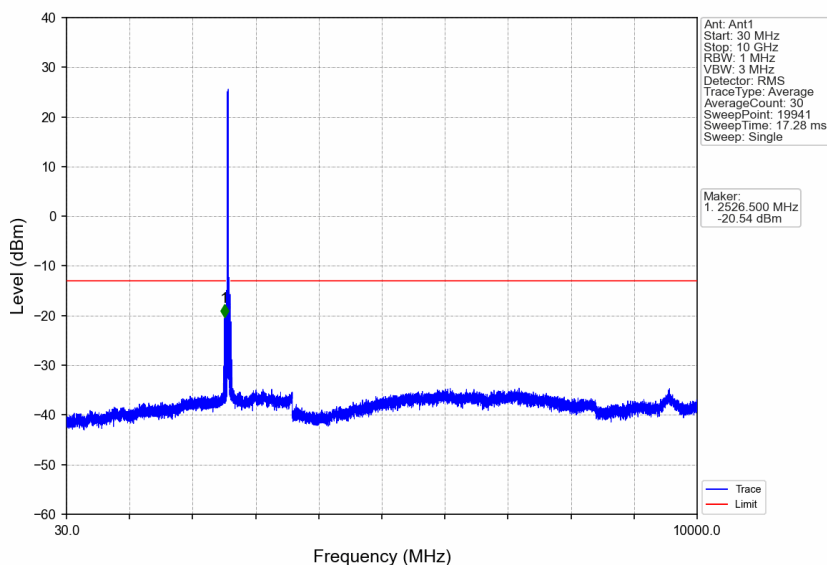
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2540.793	-25.68	-25	Pass
2569	2570	0.3	/	2	2569.818	-31.43	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/



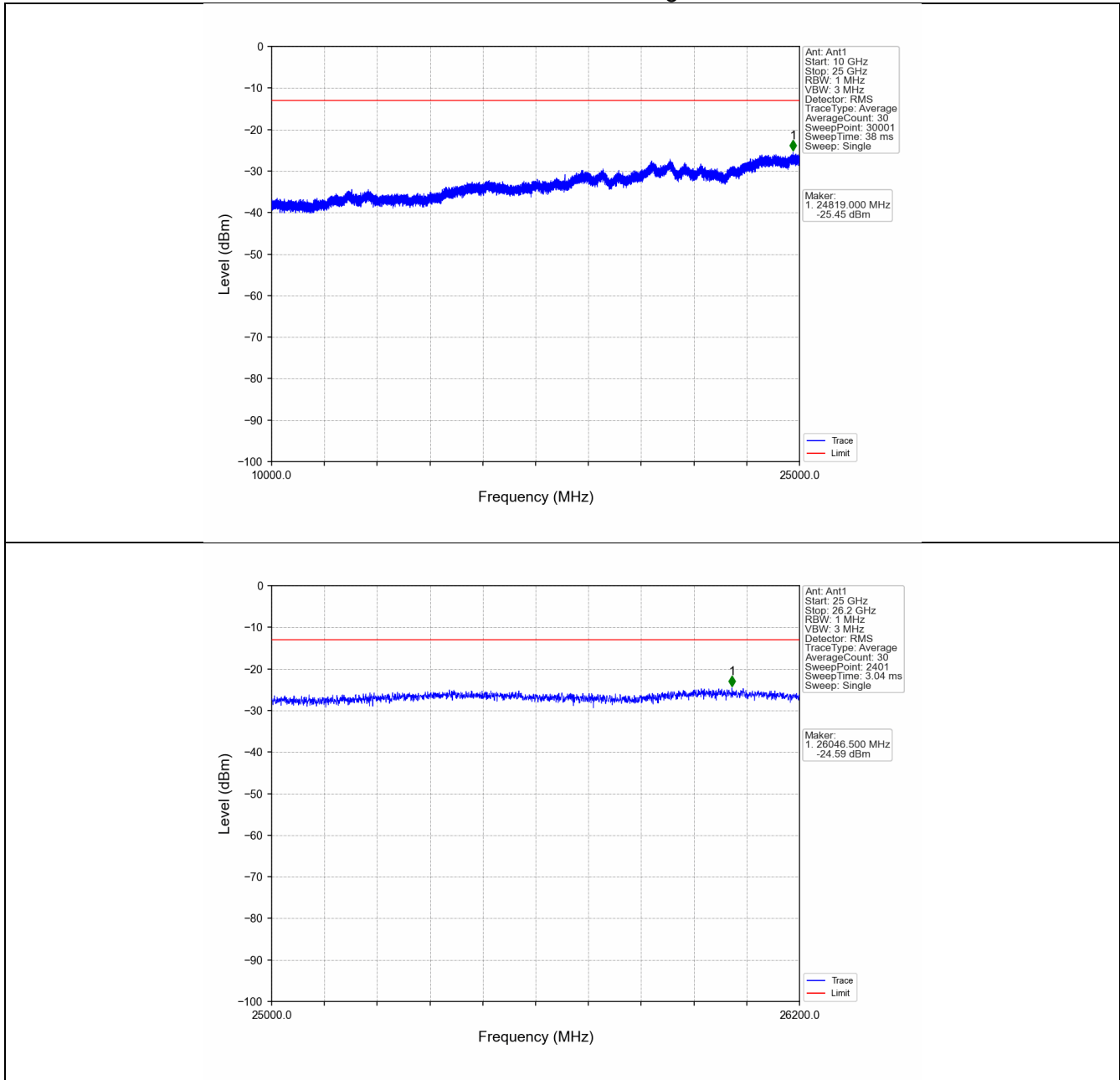
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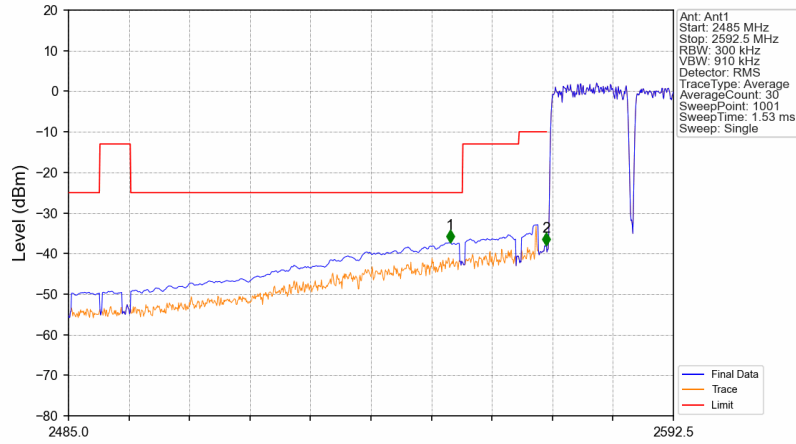
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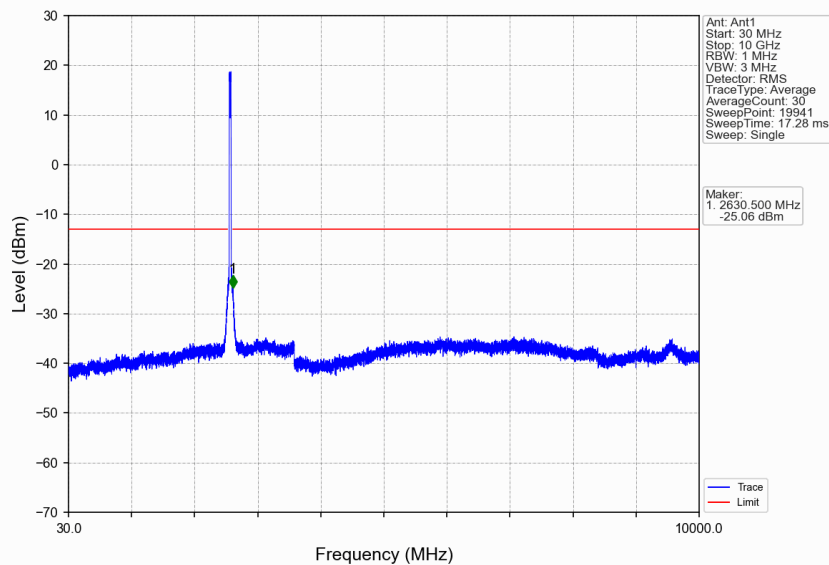
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2552.832	-37.29	-25	Pass
2569	2570	0.3	/	2	2569.925	-37.98	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/



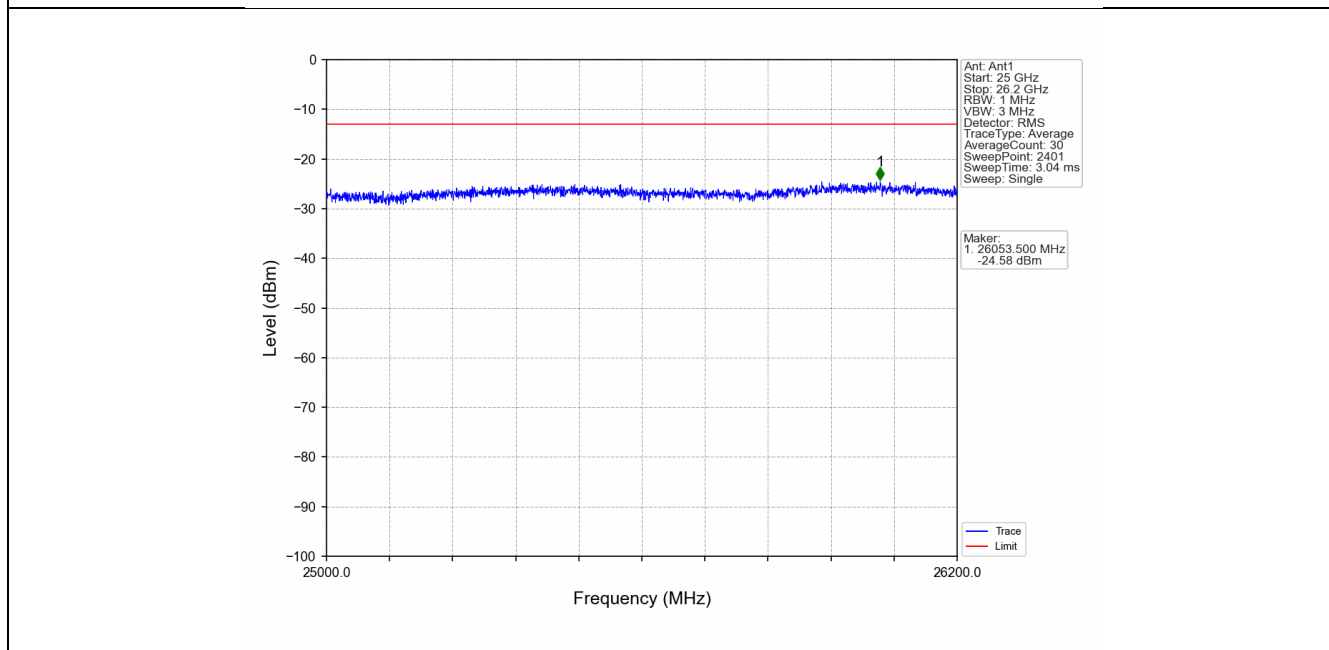
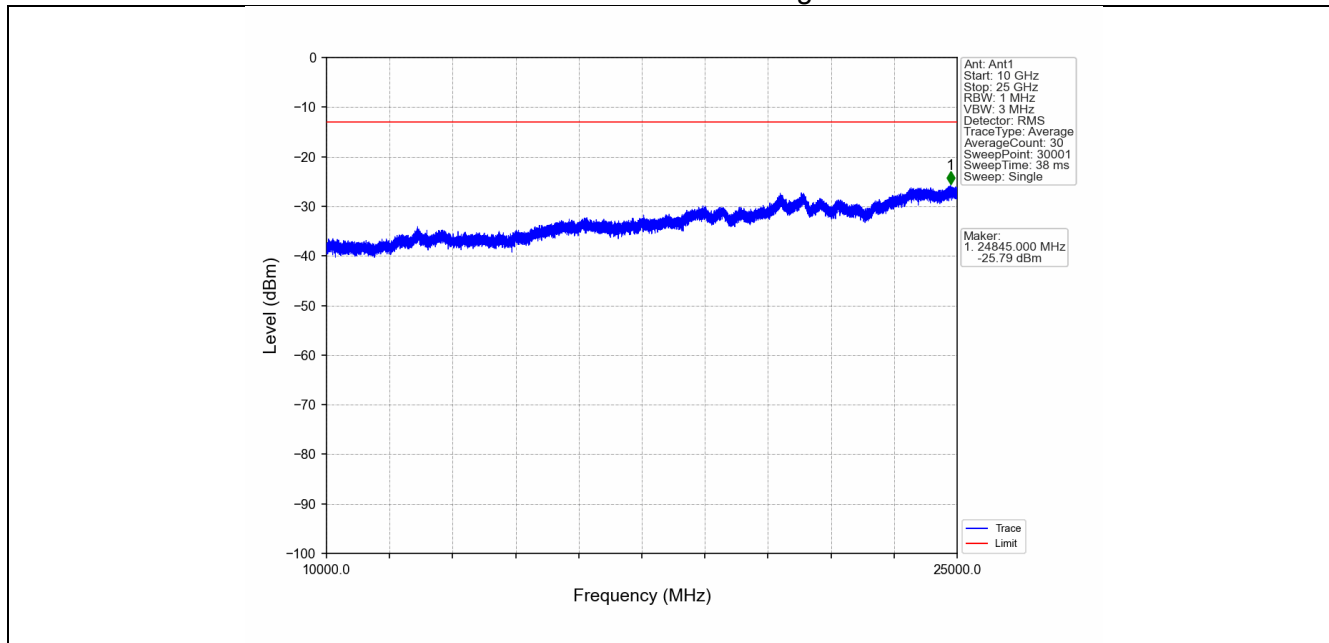
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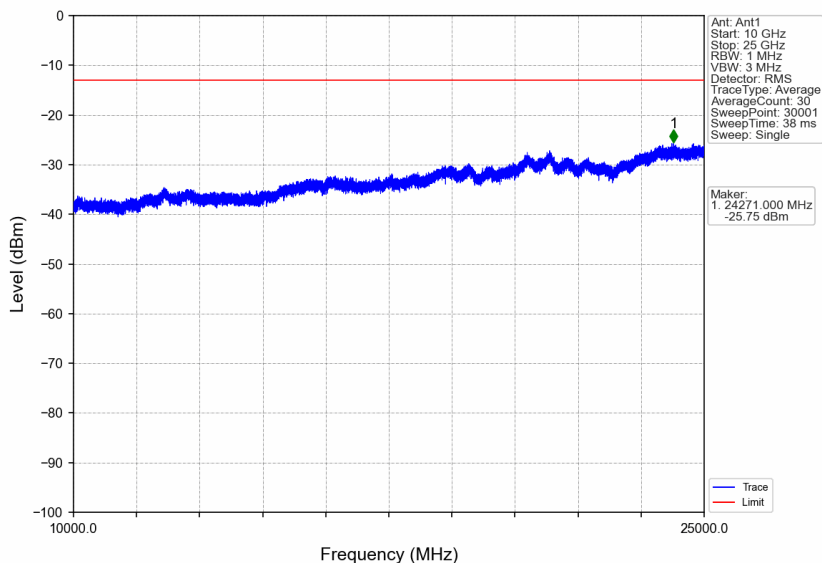
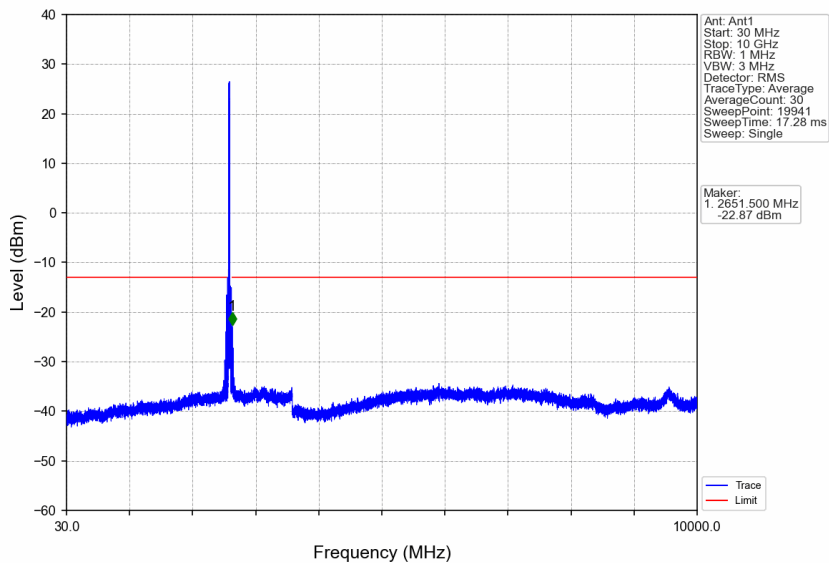


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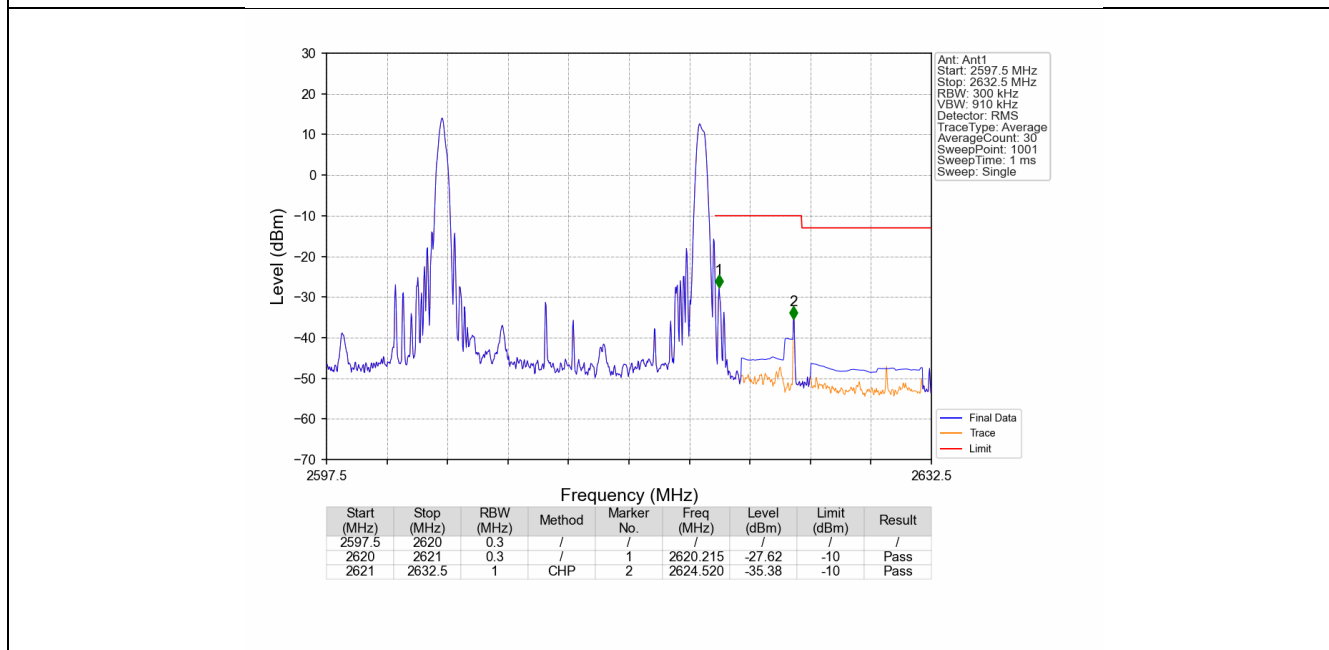
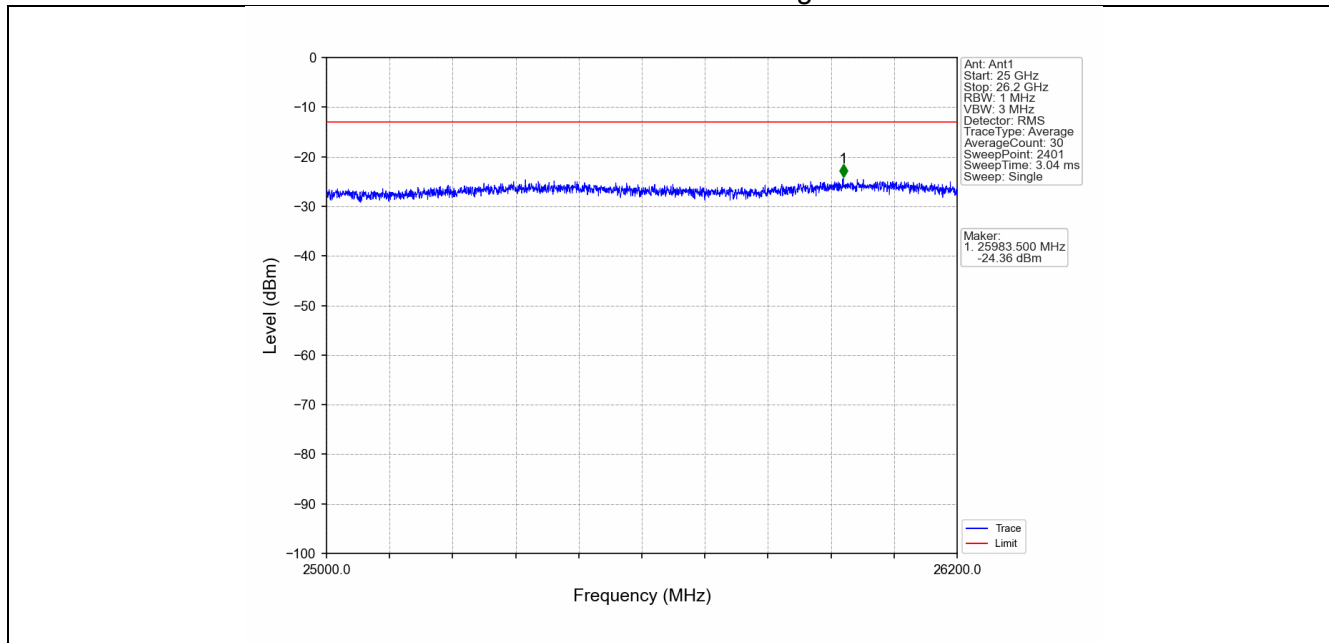


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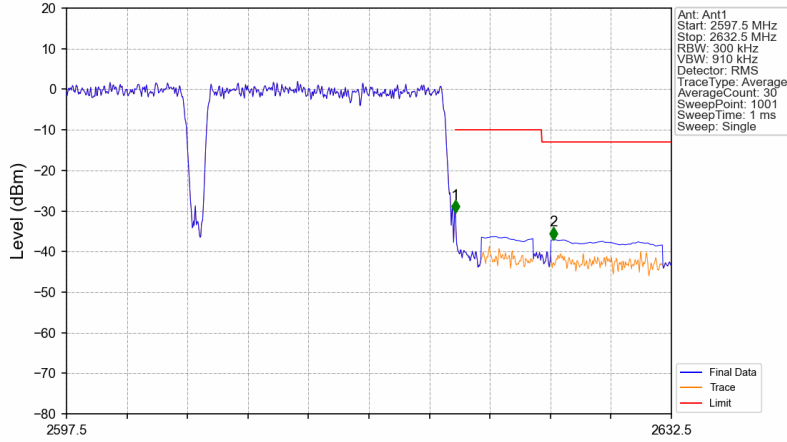
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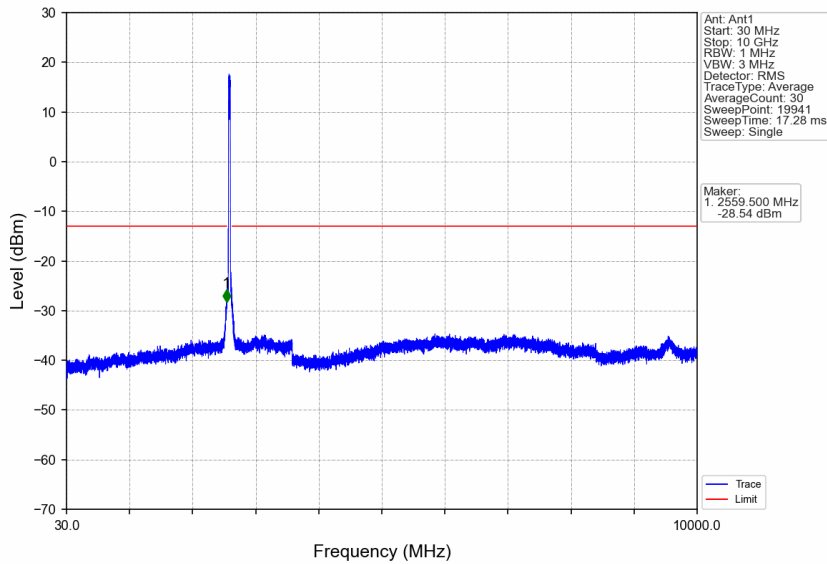
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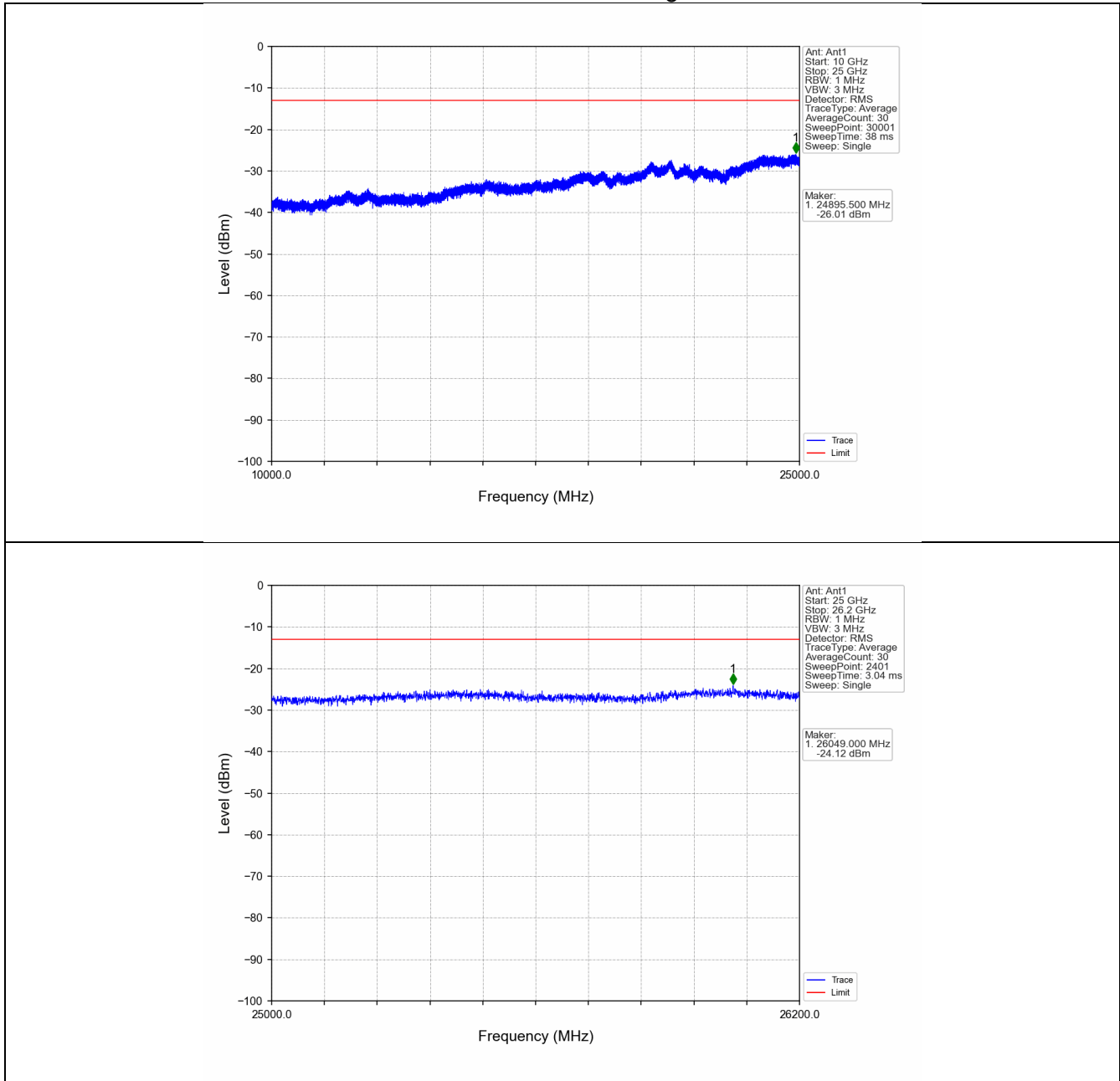
Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.3	/	/	/	/	/	/
2620	2621	0.3	/	1	2620.005	-30.42	-10	Pass
2621	2632.5	1	CHP	2	2625.675	-37.06	-13	Pass



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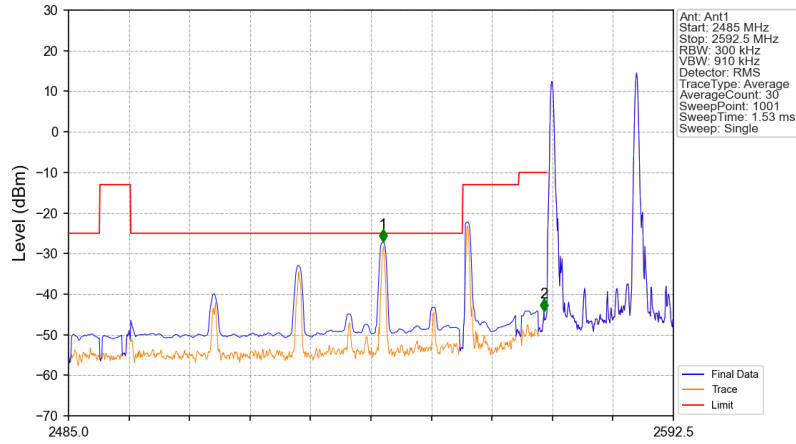
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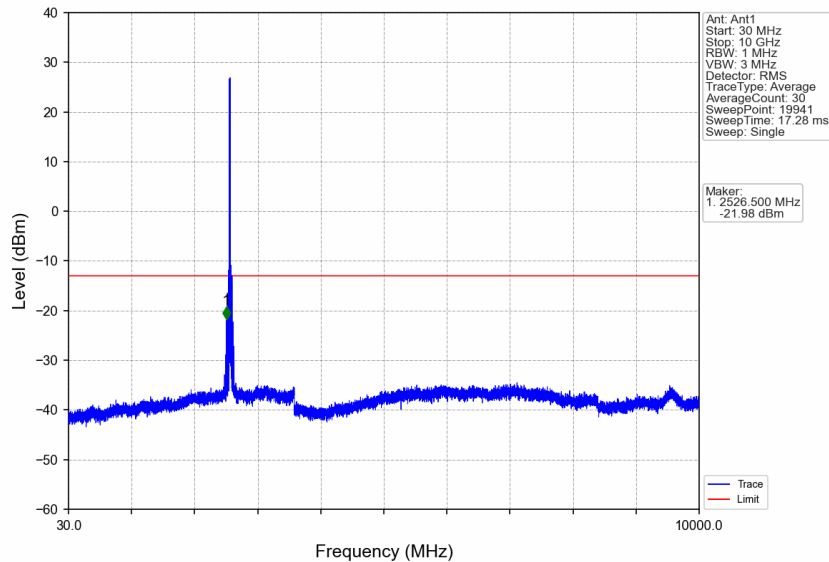
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2540.900	-27.18	-25	Pass
2569	2570	0.3	/	2	2569.495	-44.25	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/



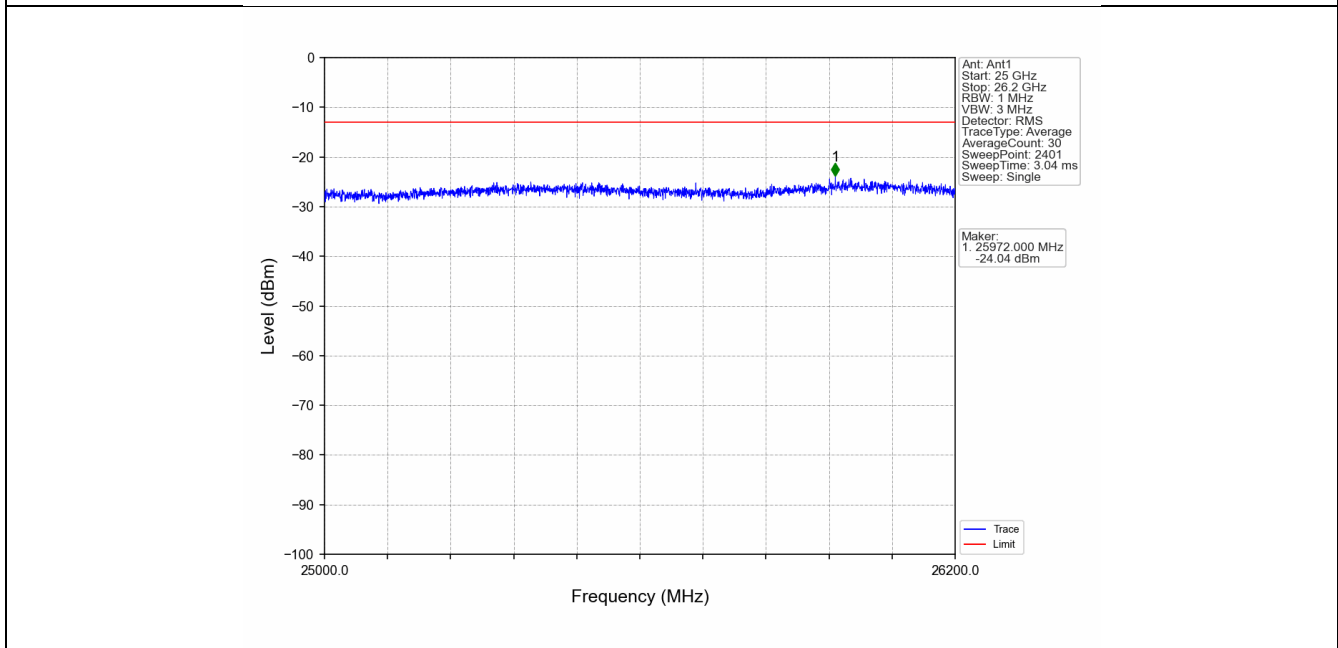
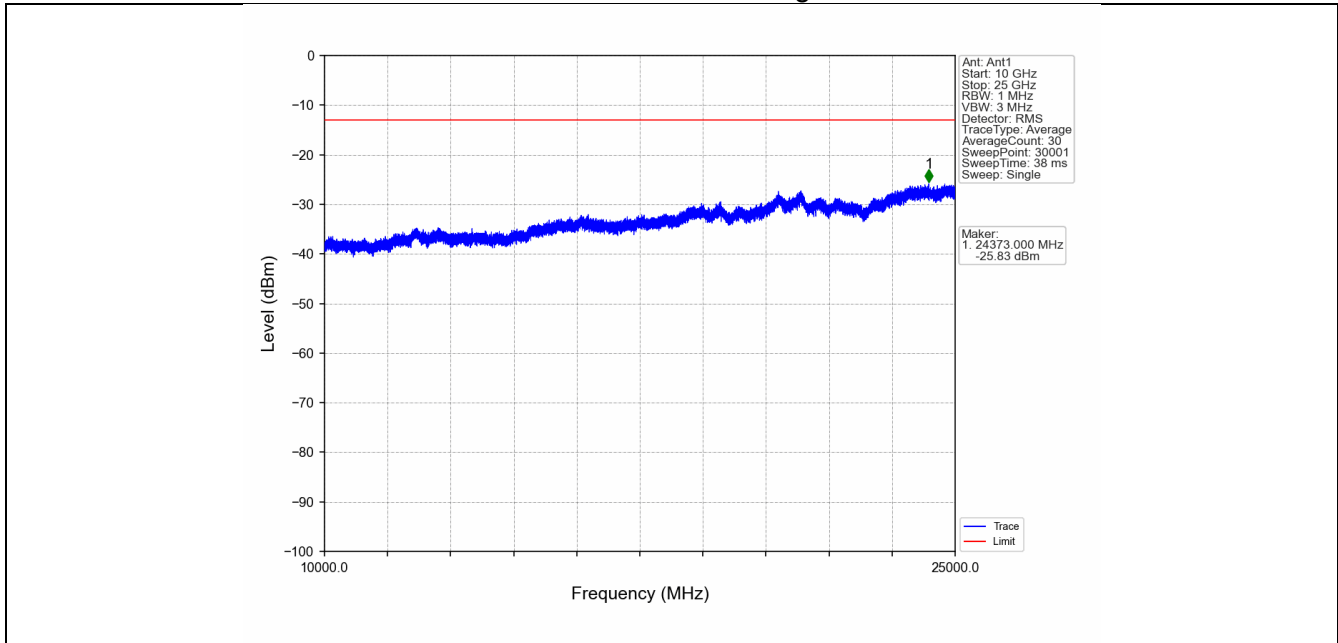
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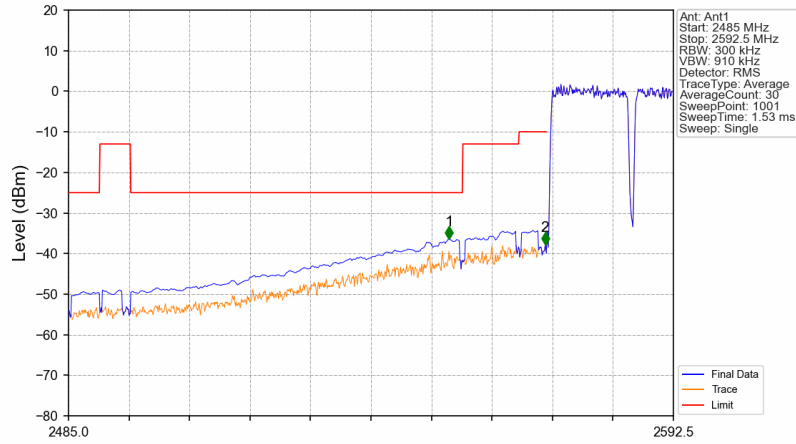


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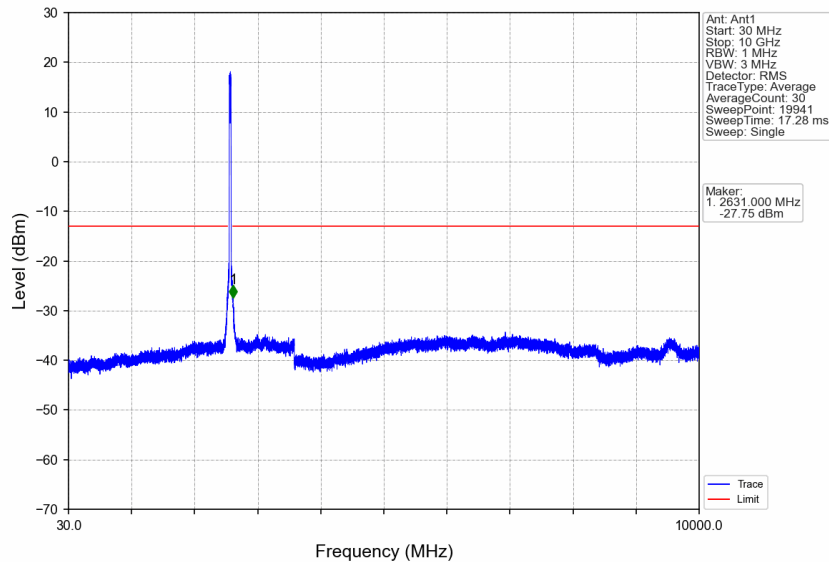
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2485	2569	1	CHP	1	2552.617	-36.44	-25	Pass
2569	2570	0.3	/	2	2569.710	-37.87	-10	Pass
2570	2592.5	0.3	/	/	/	/	/	/



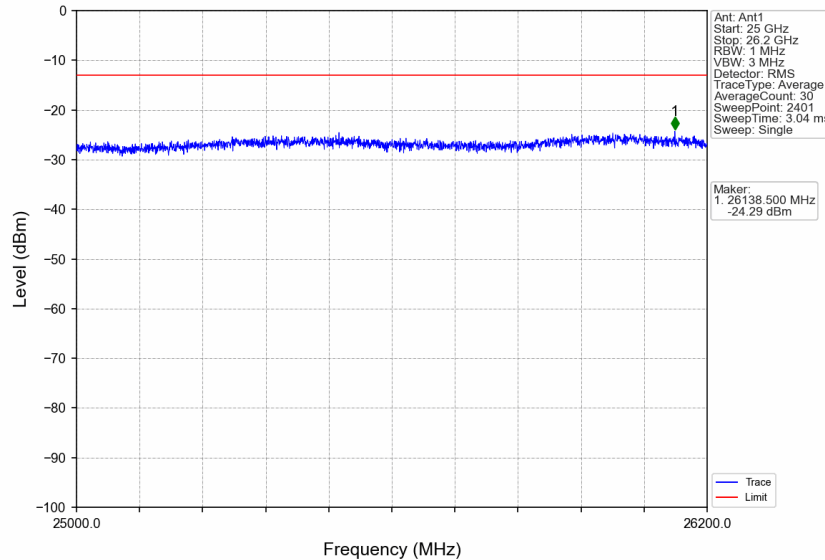
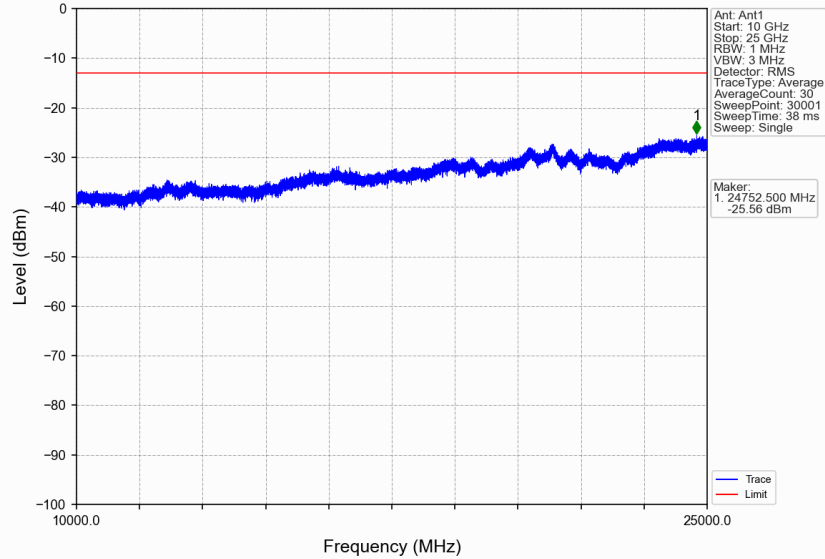
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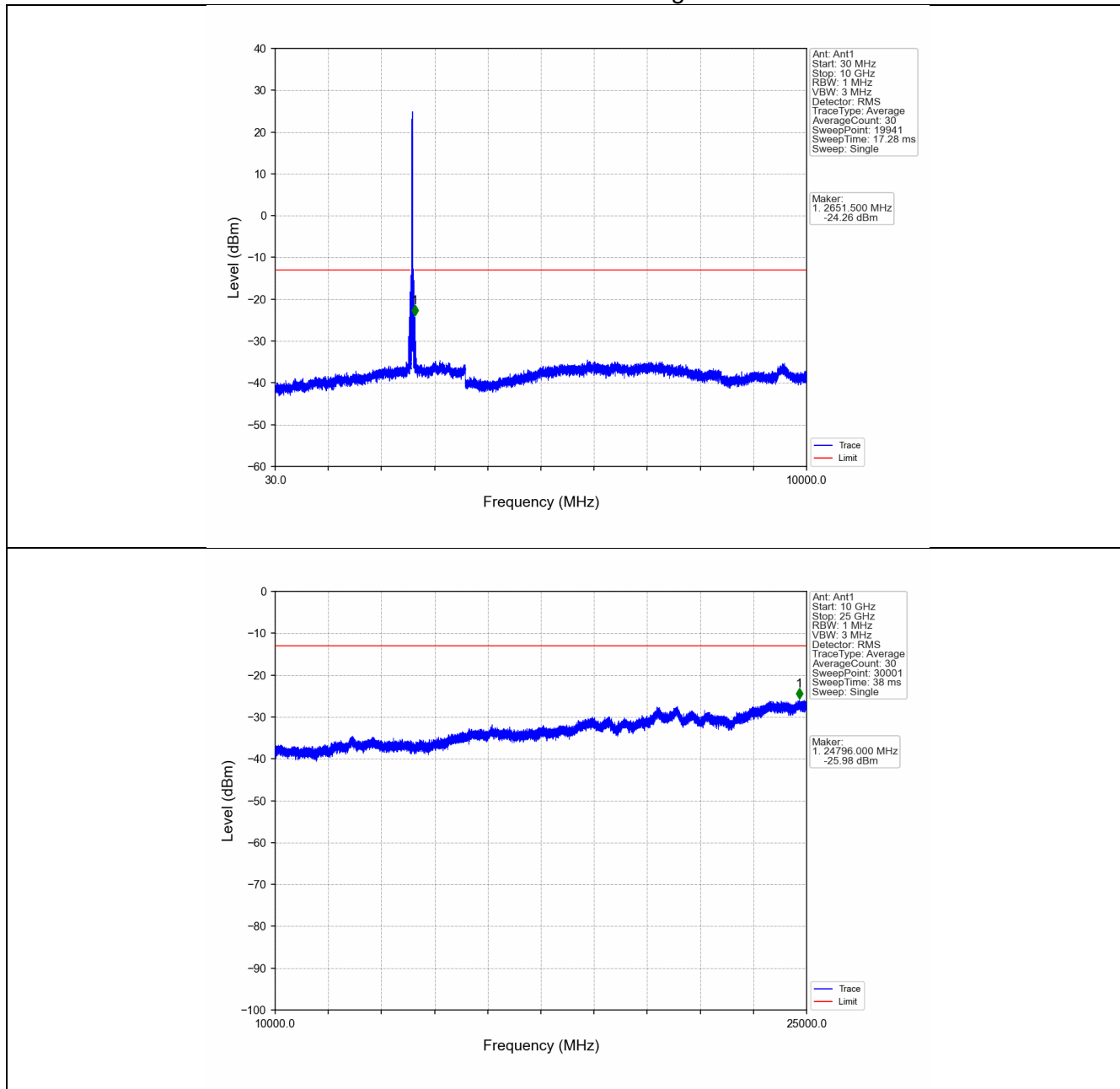


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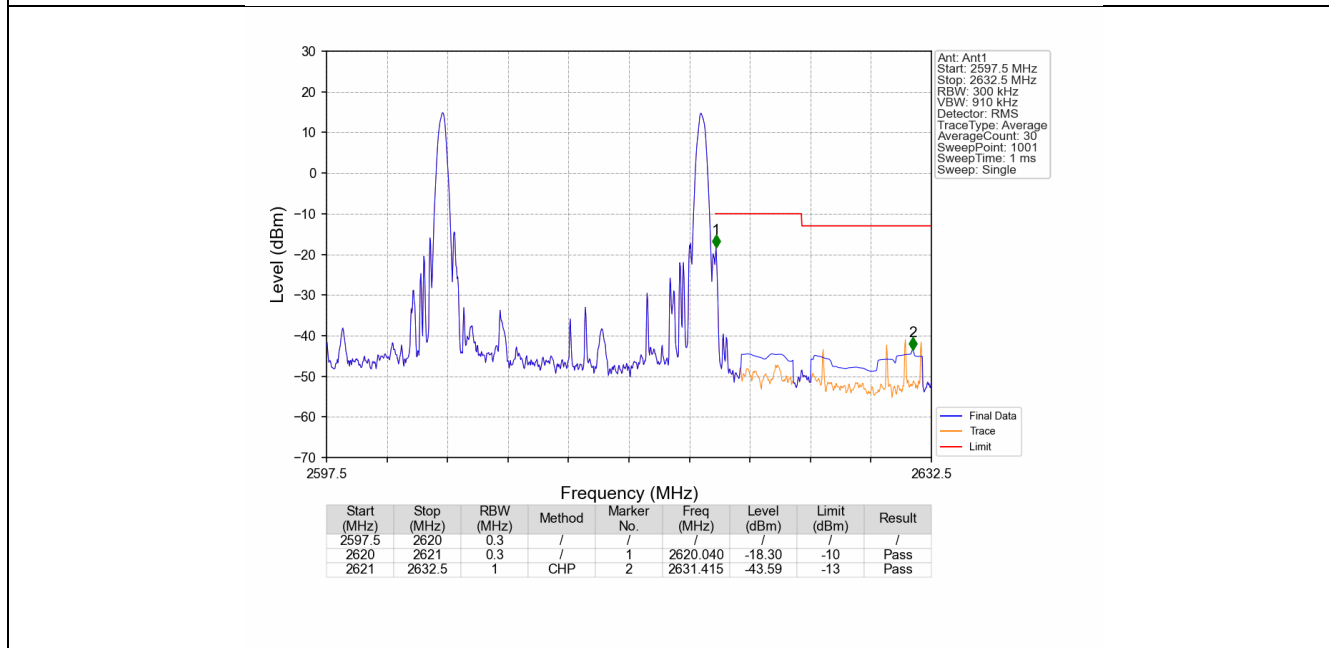
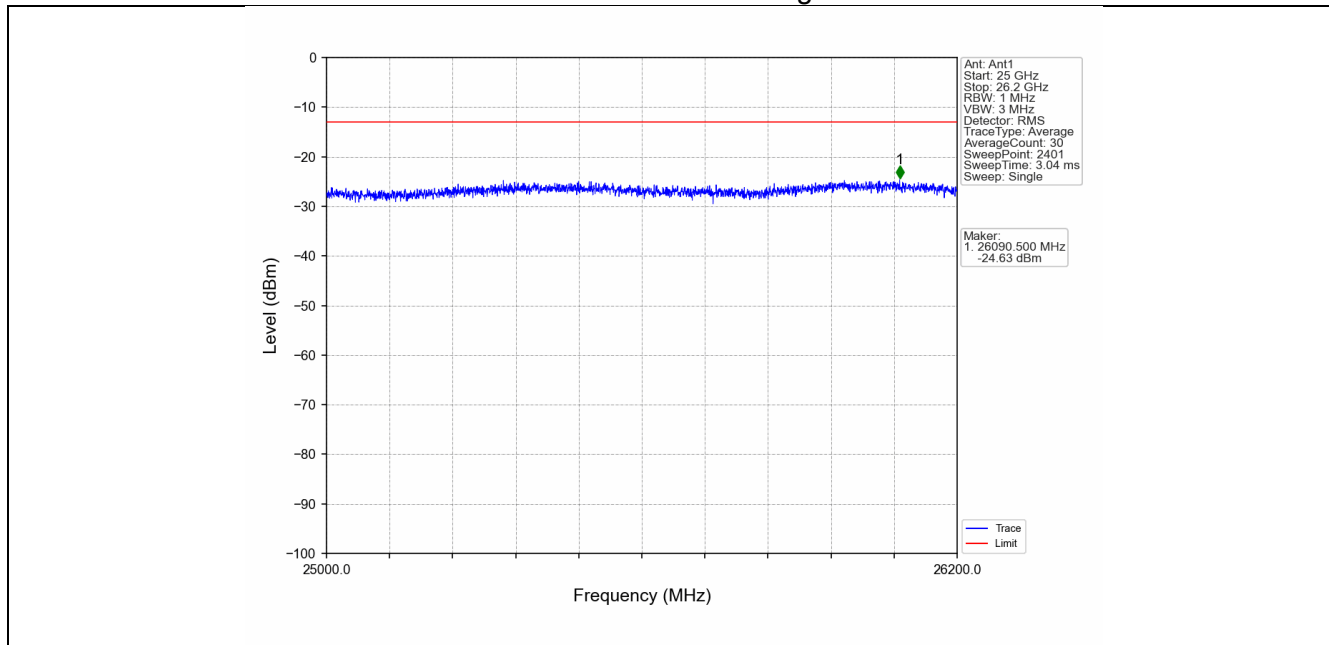
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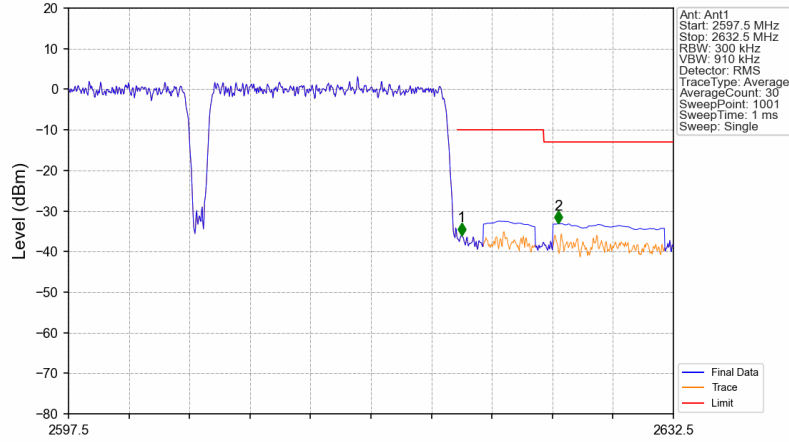
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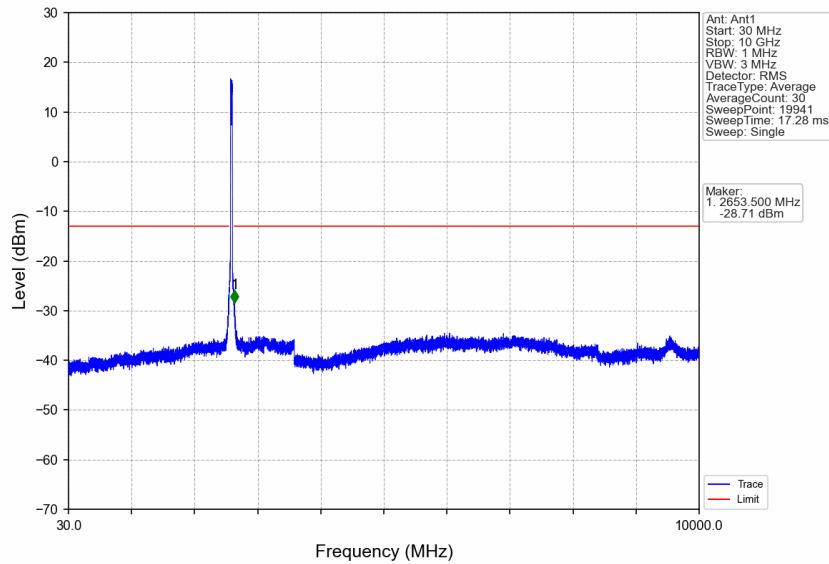
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Start (MHz)	Stop (MHz)	RBW (MHz)	Method	Marker No.	Freq (MHz)	Level (dBm)	Limit (dBm)	Result
2597.5	2620	0.3	/	/	/	/	/	/
2620	2621	0.3	/	1	2620.250	-36.01	-10	Pass
2621	2632.5	1	CHP	2	2625.850	-33.13	-13	Pass



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