

Appendix Test Data

Report No:	18220WC40032504W	Test Sample NO:	1-2-2
Start Test Date:	2024.03.01	Finish Test Date:	2024.03.04
Test Engineer:	<i>Joker Wang</i>	Auditor:	<i>Justin Feng</i>
Temperature:	22.3°C	Relative Humidity:	58%
Pressure:	101 kPa		

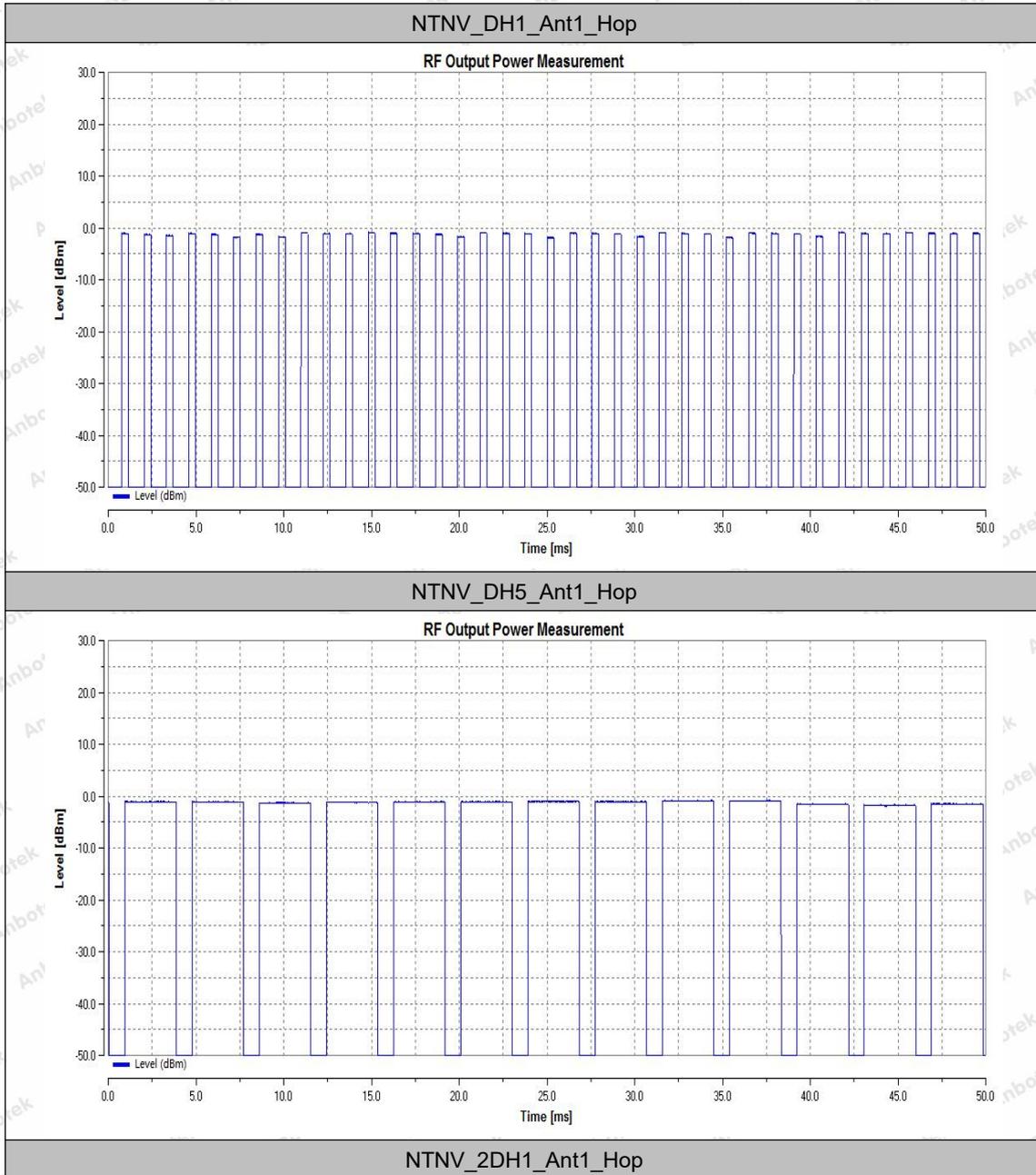
Appendix A: RF Output Power

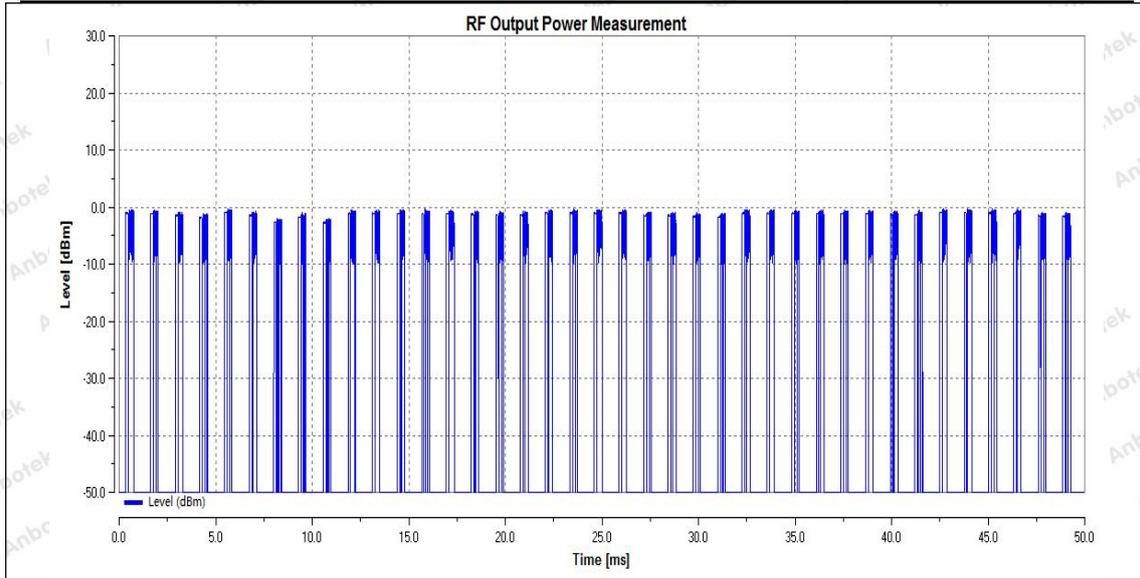
Test Result

Test Condition	Test Mode	Antenna	Frequency [MHz]	Burst Power [dBm]	Gain [dBi]	EIRP[dBm]	Limit[dBm]	Verdict
NTNV	DH1	Ant1	Hop	-0.86	-0.58	-1.44	20	PASS
	DH5	Ant1	Hop	-0.89	-0.58	-1.47	20	PASS
	2DH1	Ant1	Hop	-1.97	-0.58	-2.55	20	PASS
	2DH5	Ant1	Hop	-2.39	-0.58	-2.97	20	PASS
	3DH1	Ant1	Hop	-1.61	-0.58	-2.19	20	PASS
	3DH5	Ant1	Hop	-2.30	-0.58	-2.88	20	PASS
LTVN	DH1	Ant1	Hop	-0.88	-0.58	-1.46	20	PASS
	DH5	Ant1	Hop	-1.05	-0.58	-1.63	20	PASS
	2DH1	Ant1	Hop	-1.81	-0.58	-2.39	20	PASS
	2DH5	Ant1	Hop	-2.51	-0.58	-3.09	20	PASS
	3DH1	Ant1	Hop	-1.79	-0.58	-2.37	20	PASS
	3DH5	Ant1	Hop	-2.32	-0.58	-2.90	20	PASS
HTNV	DH1	Ant1	Hop	-0.84	-0.58	-1.42	20	PASS
	DH5	Ant1	Hop	-0.96	-0.58	-1.54	20	PASS
	2DH1	Ant1	Hop	-1.86	-0.58	-2.44	20	PASS
	2DH5	Ant1	Hop	-2.39	-0.58	-2.97	20	PASS
	3DH1	Ant1	Hop	-1.70	-0.58	-2.28	20	PASS
	3DH5	Ant1	Hop	-2.21	-0.58	-2.79	20	PASS

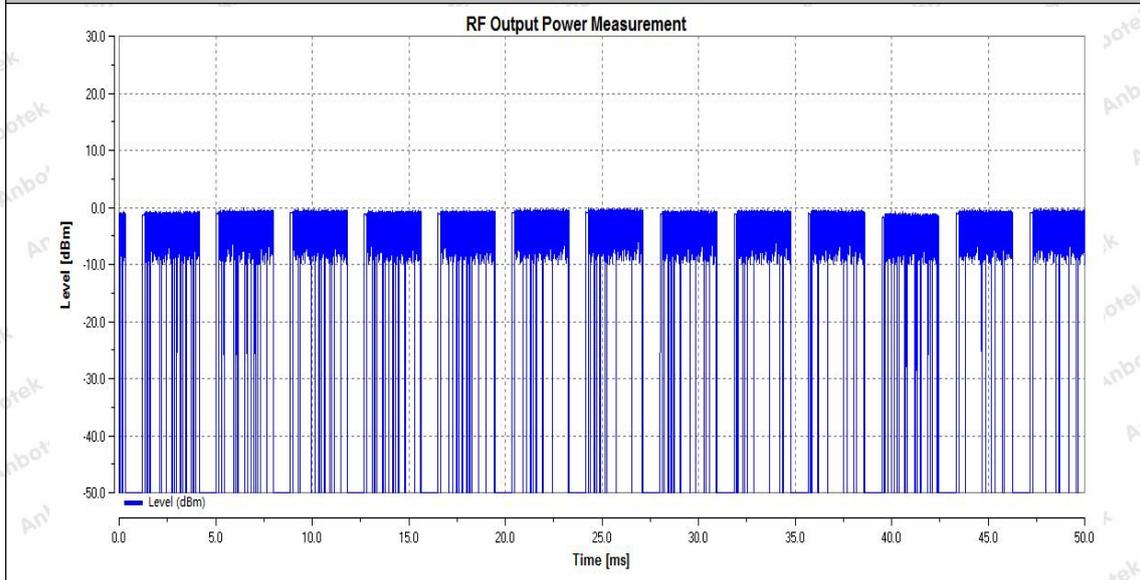


Test Graphs

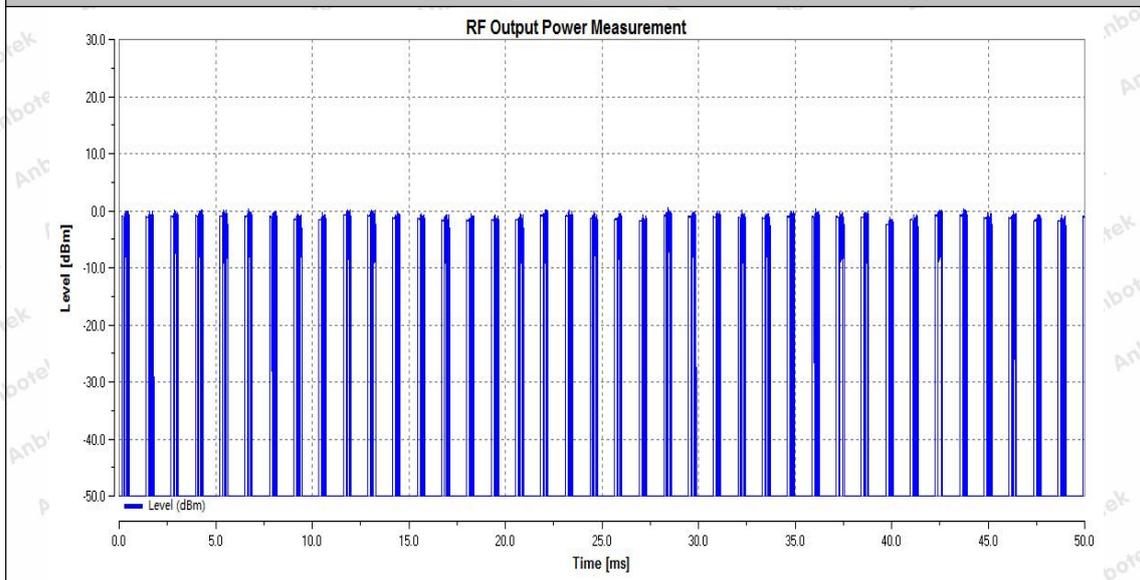


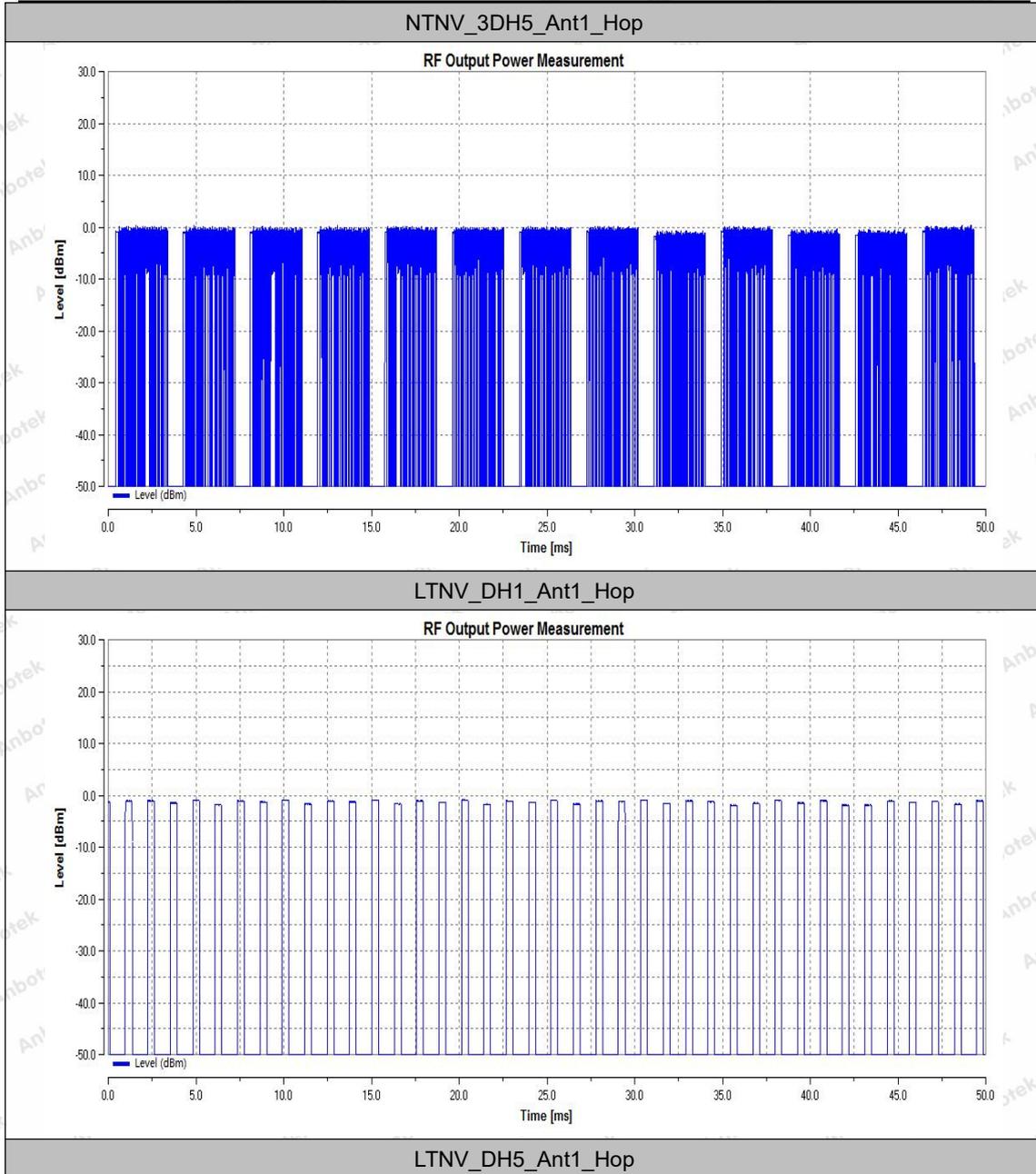


NTNV_2DH5_Ant1_Hop



NTNV_3DH1_Ant1_Hop





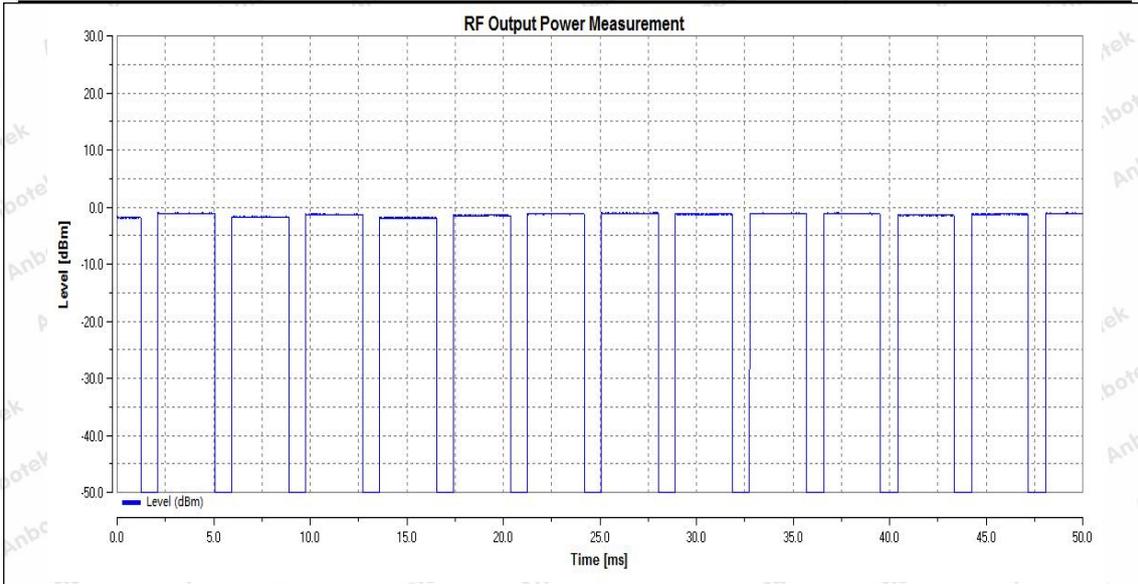
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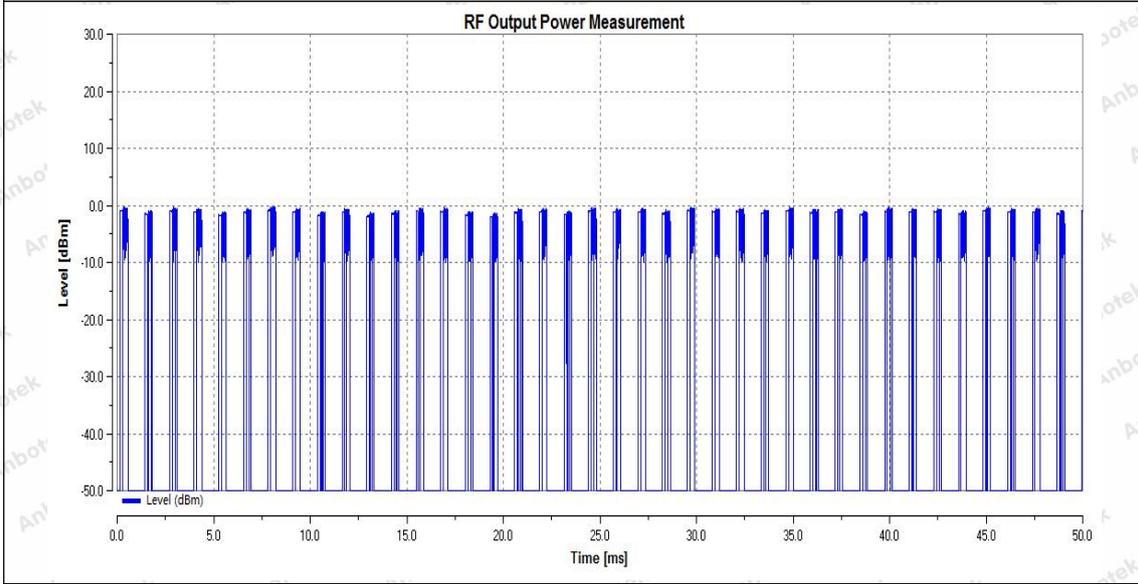


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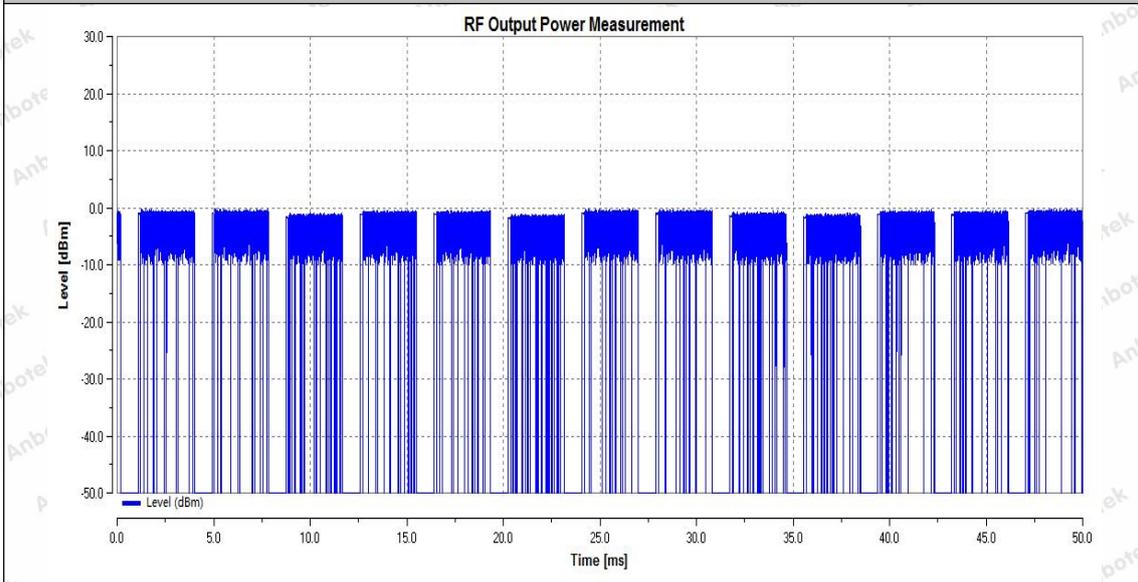


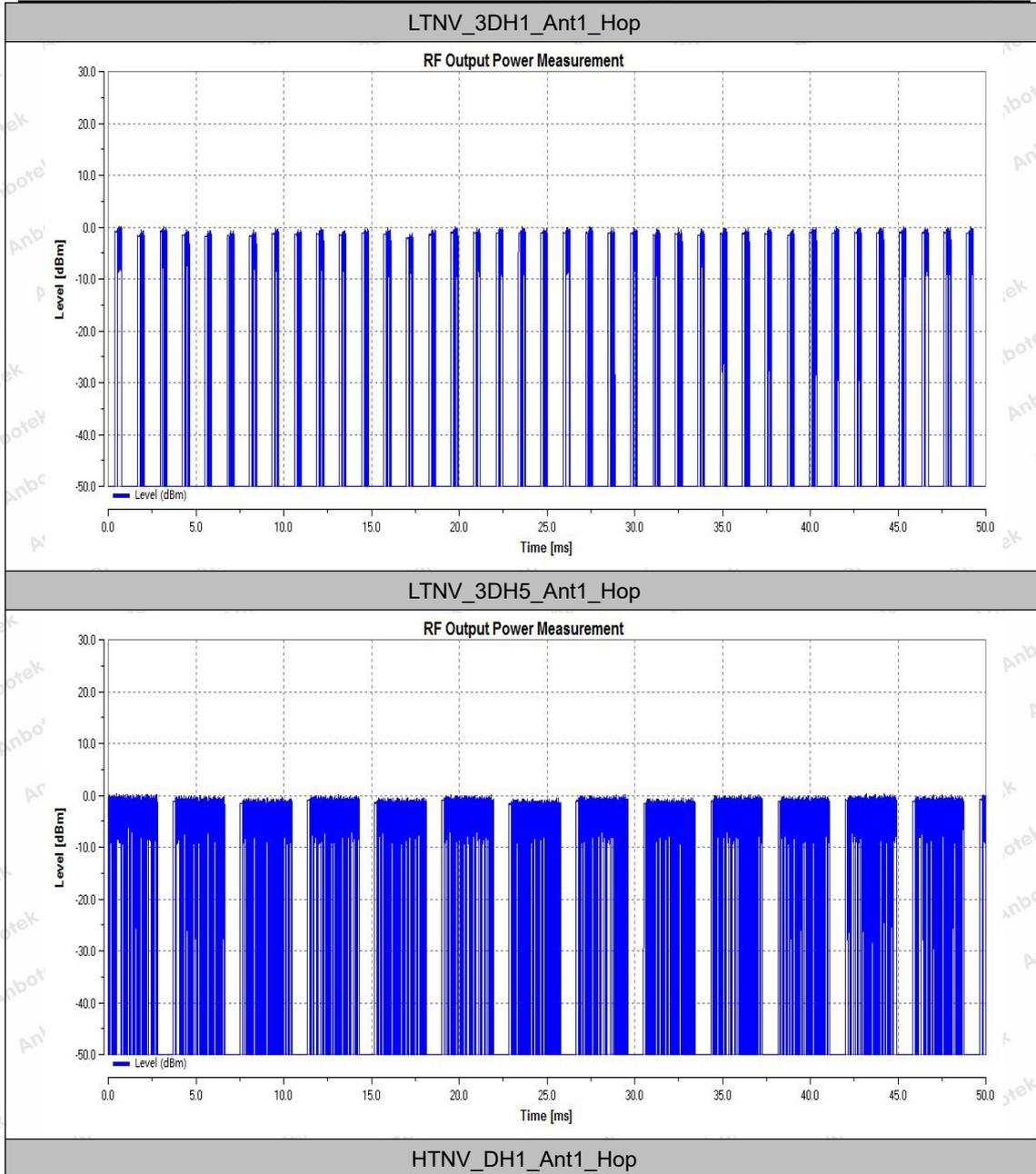


LTNV_2DH1_Ant1_Hop



LTNV_2DH5_Ant1_Hop



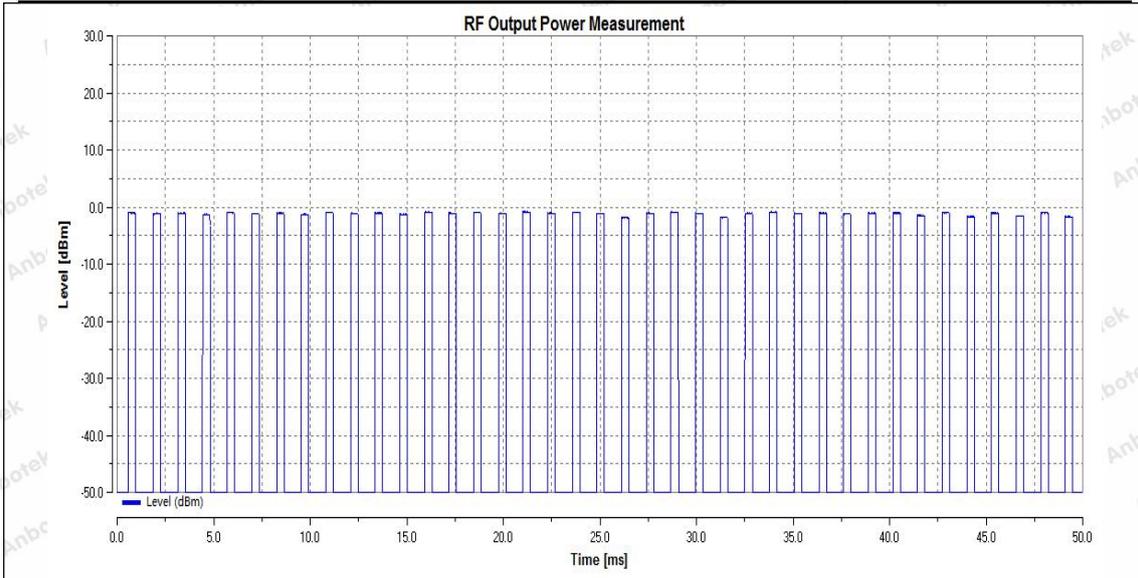


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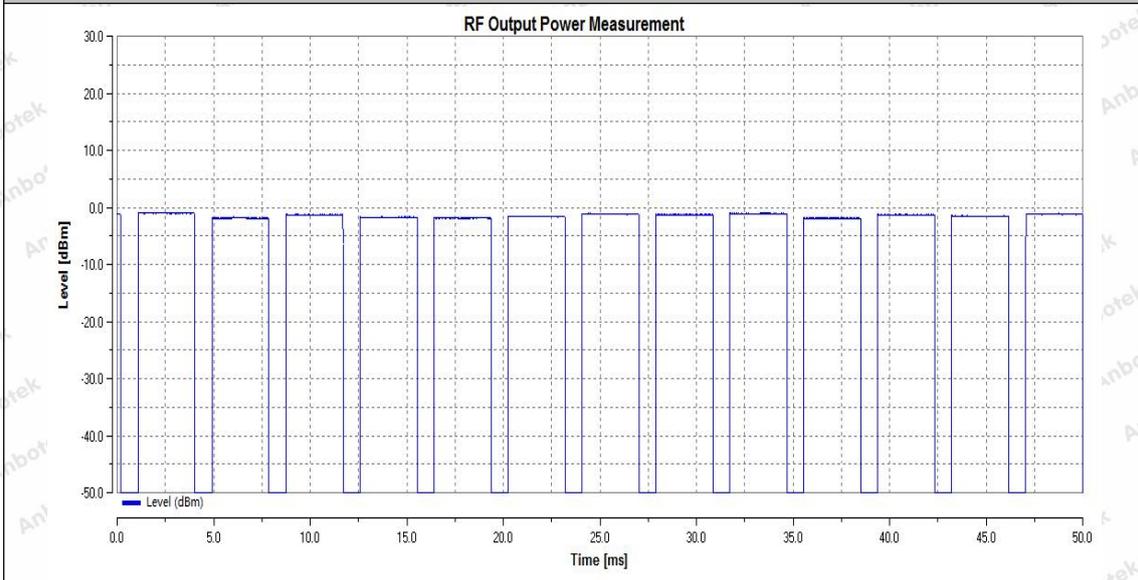
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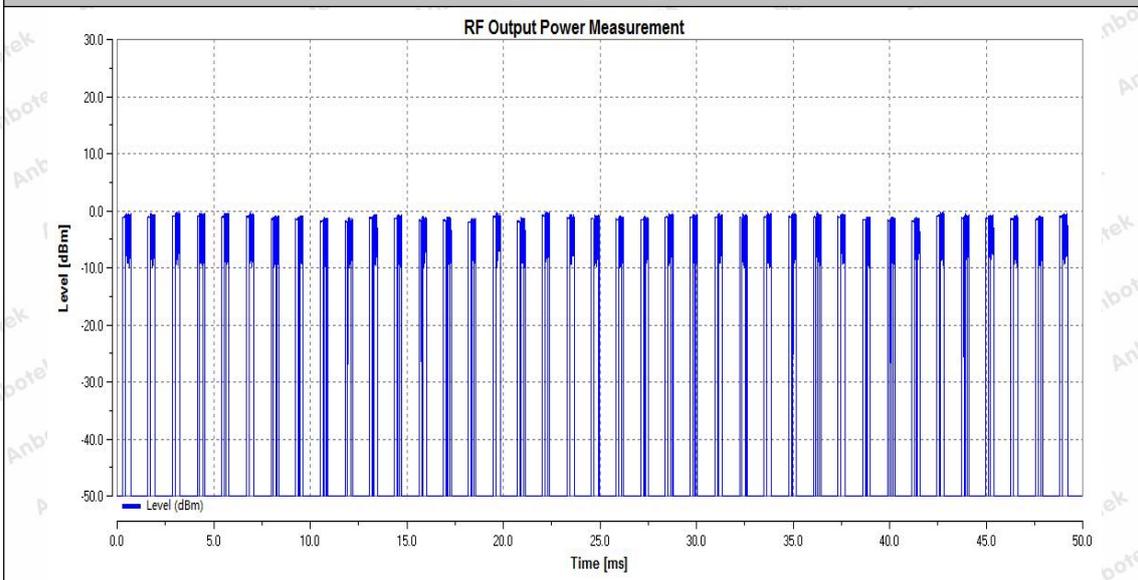


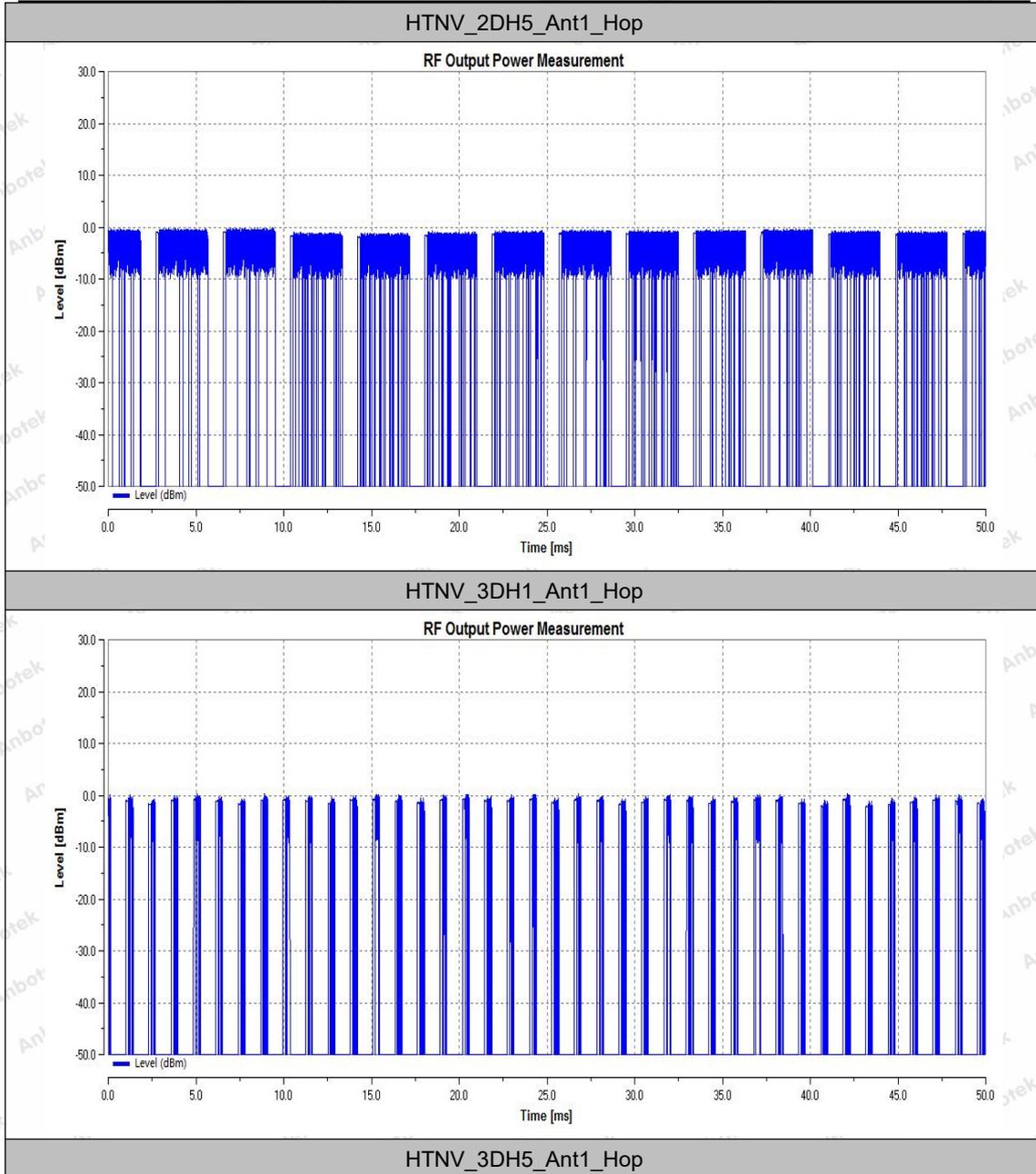


HTNV_DH5_Ant1_Hop



HTNV_2DH1_Ant1_Hop





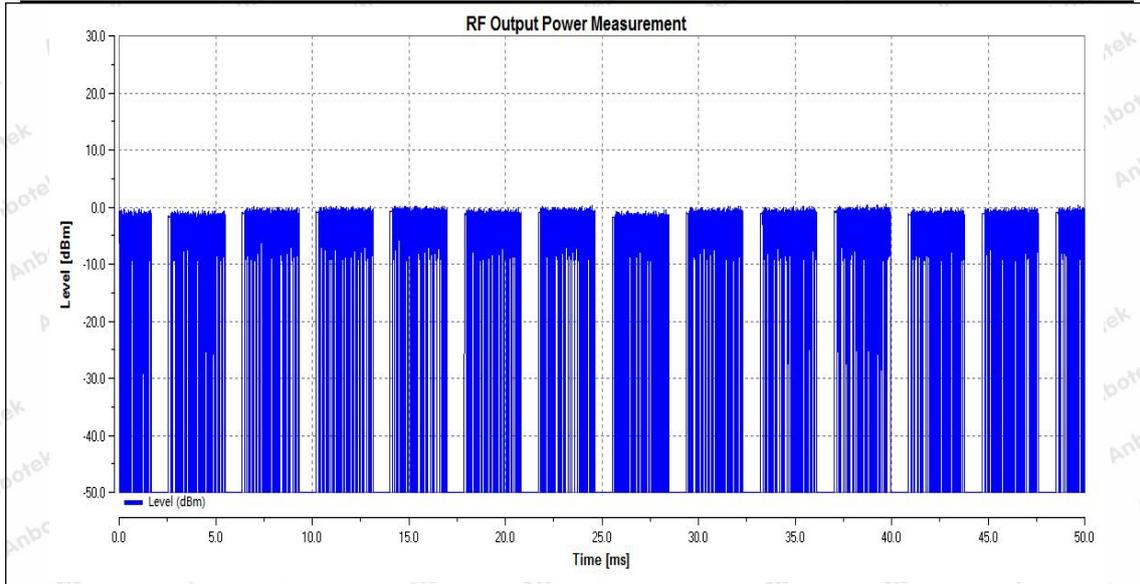
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Appendix B: Occupied Channel Bandwidth

Test Result

TestMode	Antenna	Frequency[MHz]	OCB[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
DH1	Ant1	2402	0.90958	2401.5537	2402.4633	2400 to 2483.5	PASS
		2441	0.94665	2440.5390	2441.4856	2400 to 2483.5	PASS
		2480	0.97179	2479.5306	2480.5024	2400 to 2483.5	PASS
DH5	Ant1	2402	0.93234	2401.5542	2402.4865	2400 to 2483.5	PASS
		2441	0.95895	2440.5389	2441.4978	2400 to 2483.5	PASS
		2480	0.97694	2479.5301	2480.5071	2400 to 2483.5	PASS
2DH1	Ant1	2402	1.1702	2401.4249	2402.5951	2400 to 2483.5	PASS
		2441	1.1792	2440.4237	2441.6029	2400 to 2483.5	PASS
		2480	1.1905	2479.4187	2480.6092	2400 to 2483.5	PASS
2DH5	Ant1	2402	1.2174	2401.4164	2402.6338	2400 to 2483.5	PASS
		2441	1.2266	2440.4131	2441.6397	2400 to 2483.5	PASS
		2480	1.2366	2479.4078	2480.6444	2400 to 2483.5	PASS
3DH1	Ant1	2402	1.1672	2401.4441	2402.6113	2400 to 2483.5	PASS
		2441	1.1715	2440.4414	2441.6129	2400 to 2483.5	PASS
		2480	1.1762	2479.4380	2480.6142	2400 to 2483.5	PASS
3DH5	Ant1	2402	1.2228	2401.4053	2402.6281	2400 to 2483.5	PASS
		2441	1.2276	2440.4035	2441.6311	2400 to 2483.5	PASS
		2480	1.2328	2479.4003	2480.6331	2400 to 2483.5	PASS



Test Graphs



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DH5_Ant1_2402



DH5_Ant1_2441



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2DH1_Ant1_2480



2DH5_Ant1_2402



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2DH5_Ant1_2441



2DH5_Ant1_2480



3DH1_Ant1_2402

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3DH1_Ant1_2441



3DH1_Ant1_2480

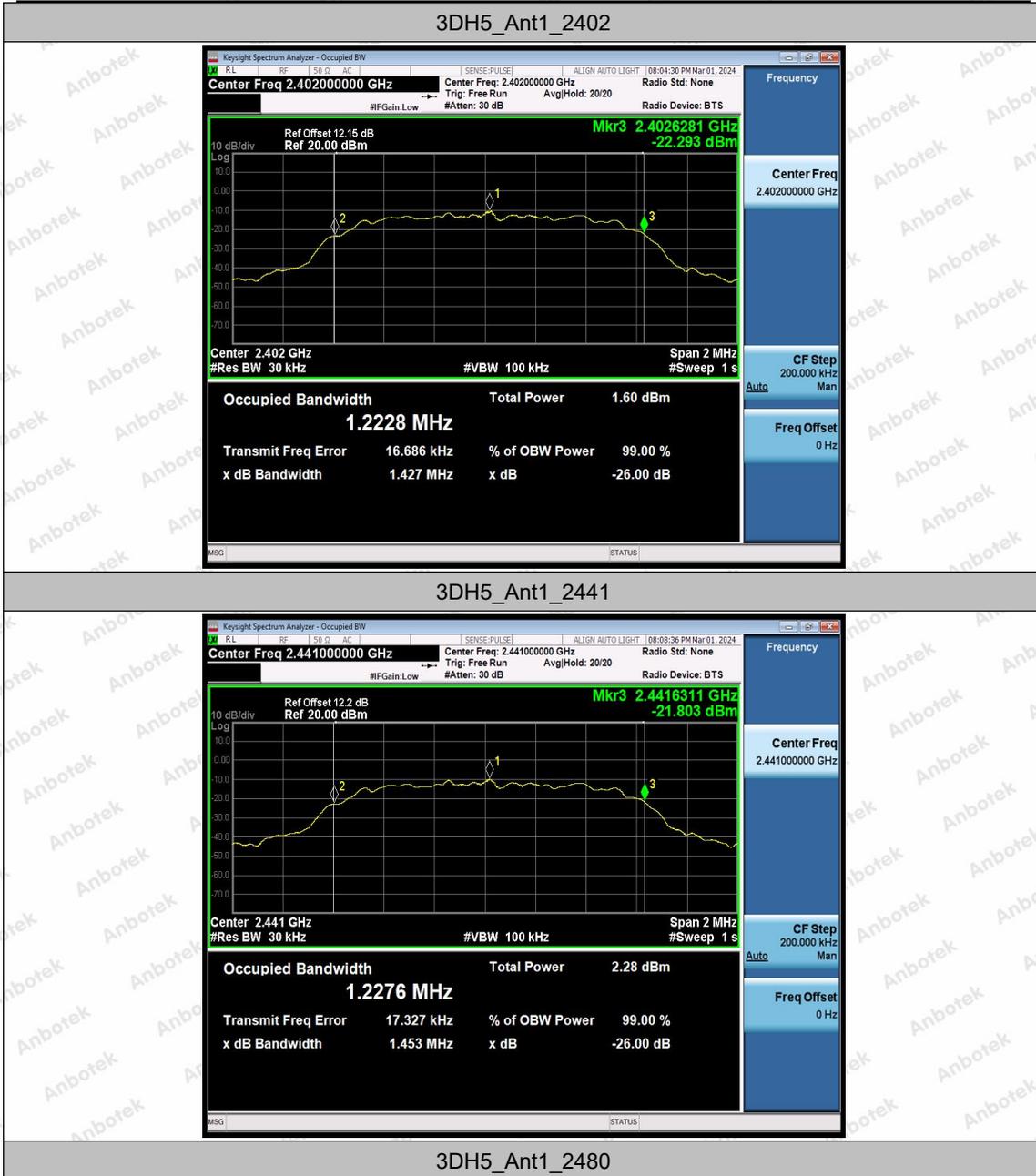


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Appendix C: Accumulated Transmit Time, Frequency

Occupation and Hopping Sequence

Test Result

Accumulated Transmit Time

TestMode	Antenna	Frequency[MHz]	Result [ms]	Limit[ms]	Verdict
DH5	Ant1	Hop_2402	290.738	400	PASS
		Hop_2480	308.646	400	PASS
2DH5	Ant1	Hop_2402	294.952	400	PASS
		Hop_2480	289.685	400	PASS
3DH5	Ant1	Hop_2402	314.967	400	PASS
		Hop_2480	275.991	400	PASS

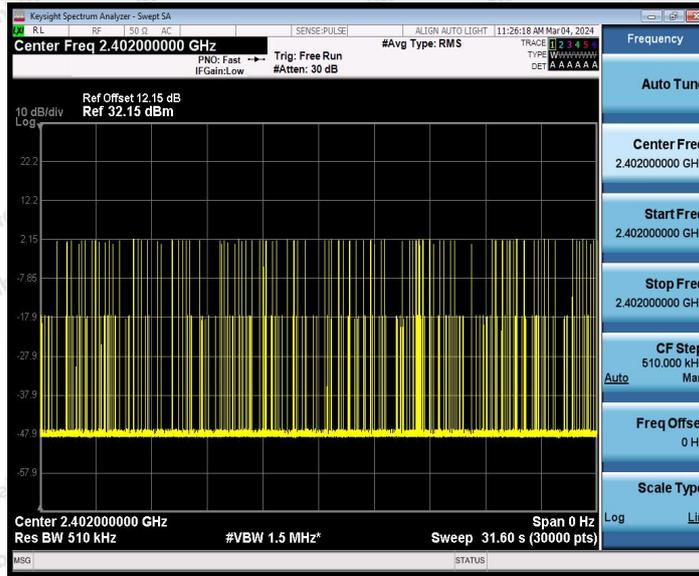
Frequency Occupation

TestMode	Antenna	Frequency[MHz]	Result [Num.]	Limit [Num.]	Verdict
DH5	Ant1	Hop_2402	3	1	PASS
		Hop_2480	2	1	PASS
2DH5	Ant1	Hop_2402	1	1	PASS
		Hop_2480	2	1	PASS
3DH5	Ant1	Hop_2402	4	1	PASS
		Hop_2480	1	1	PASS

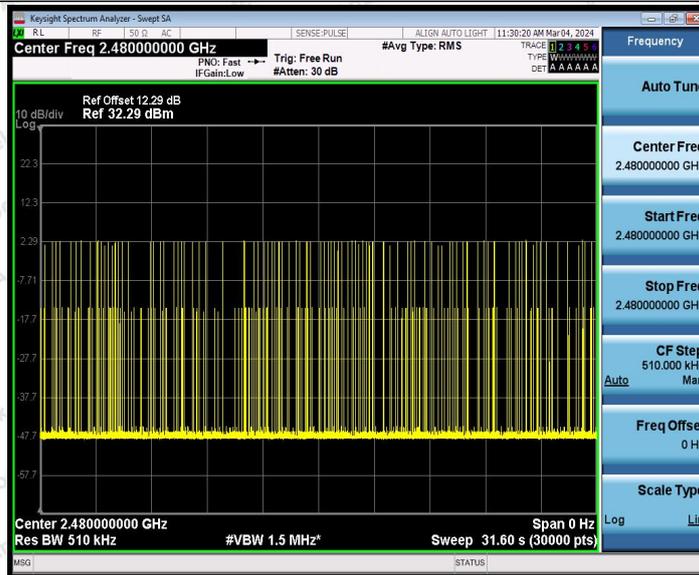
Hopping Sequence

TestMode	Antenna	Channel	Hop. [Num.]	Limit[Num.]	Band Use [%]	Limit [%]	Verdict
DH5	Ant1	Hop_2402	79	15	95.70	70	PASS
		Hop_2480	79	15	95.70	70	PASS
2DH5	Ant1	Hop_2402	79	15	96.30	70	PASS
		Hop_2480	79	15	96.10	70	PASS
3DH5	Ant1	Hop_2402	79	15	96.10	70	PASS
		Hop_2480	79	15	96.10	70	PASS

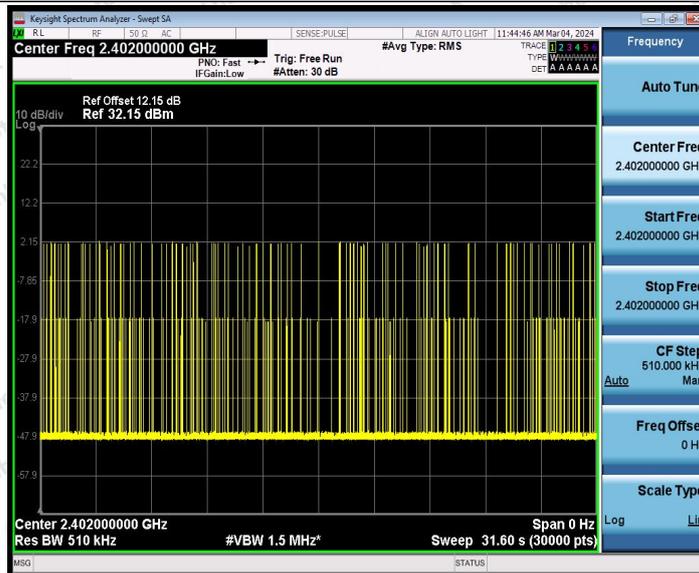




2DH5_Ant1_Hop_2480



3DH5_Ant1_Hop_2402



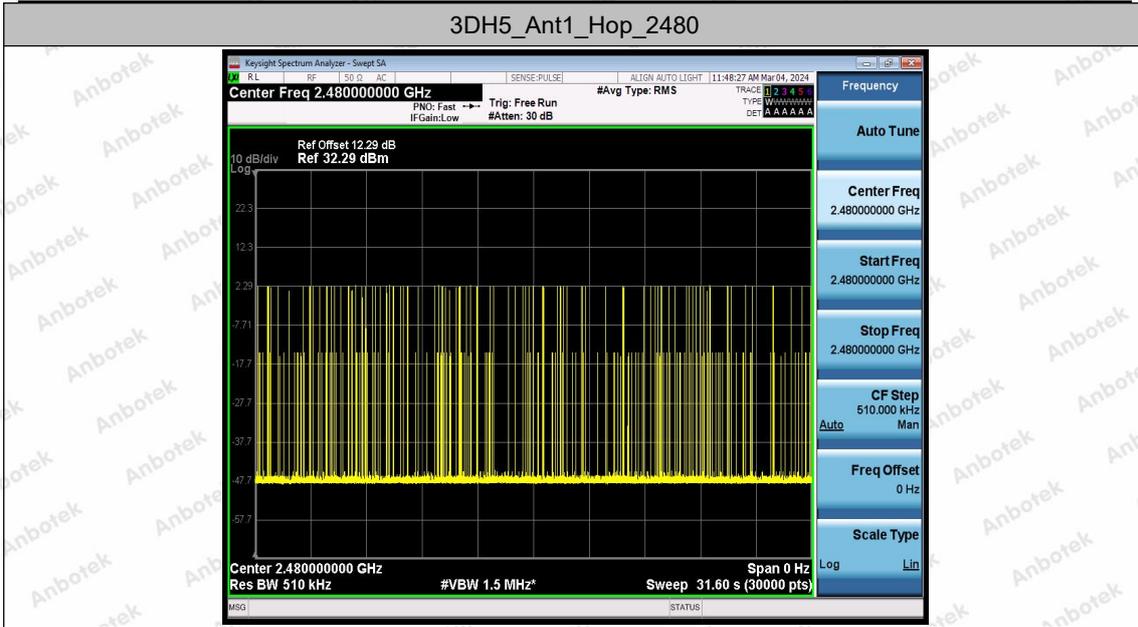
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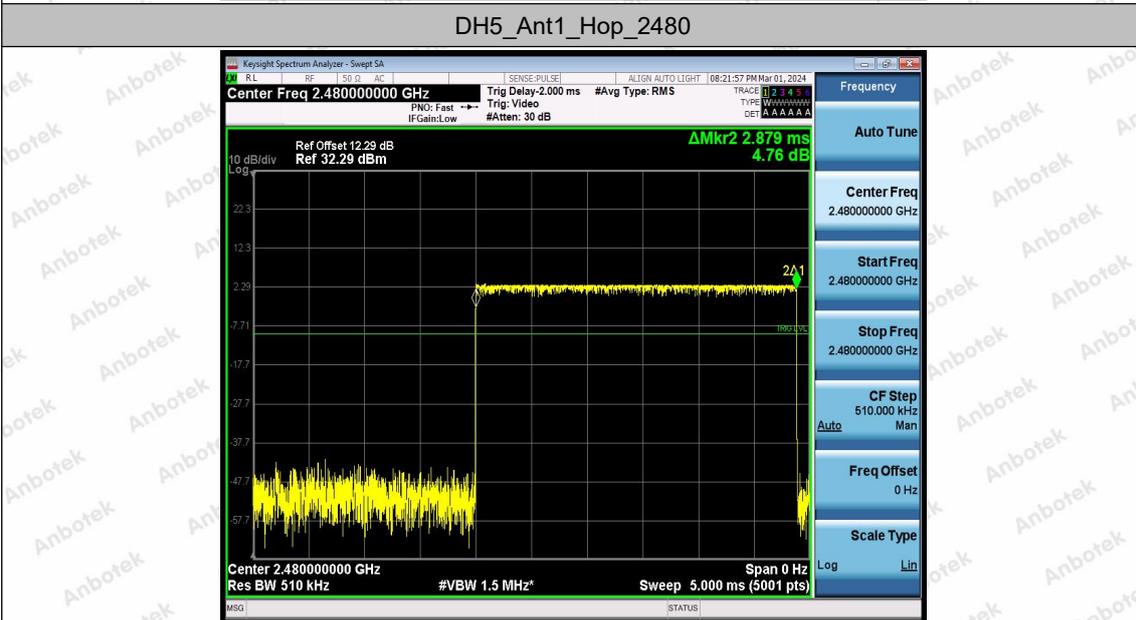
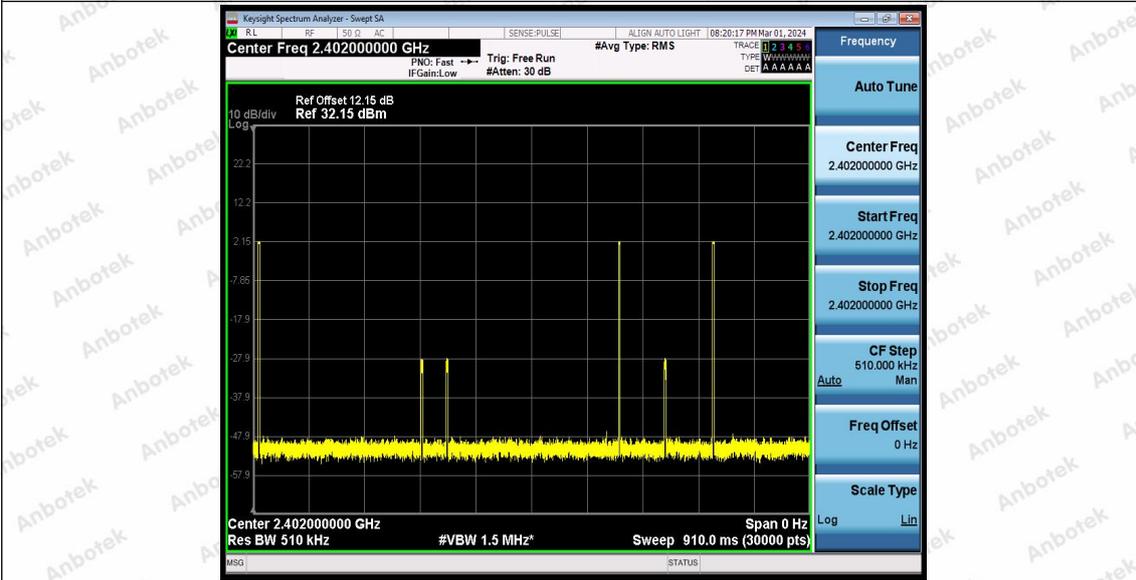
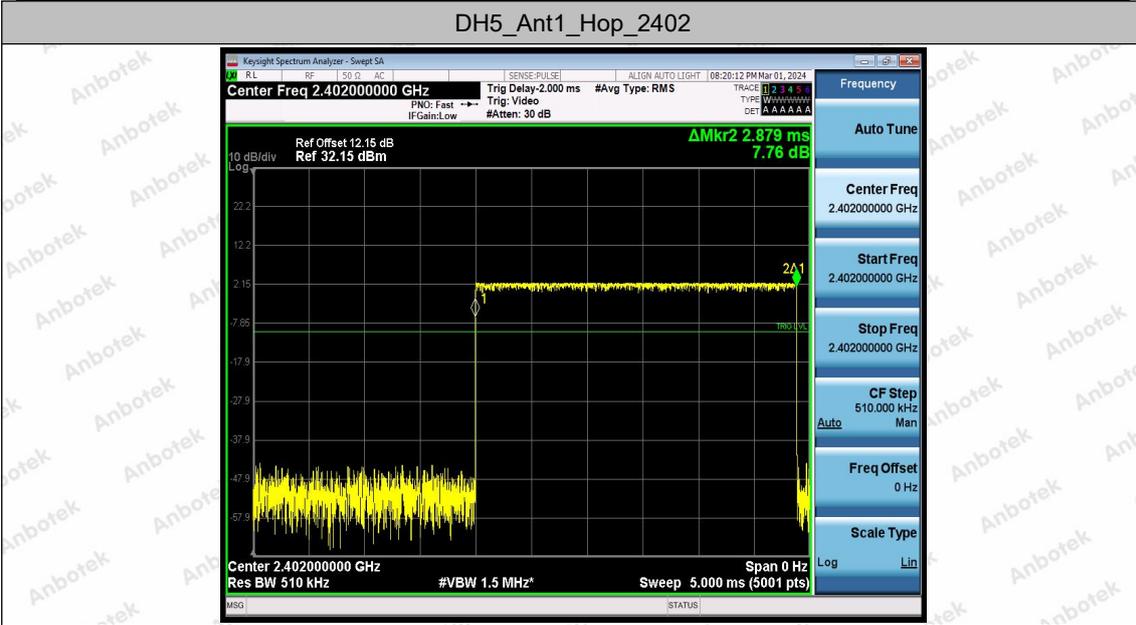


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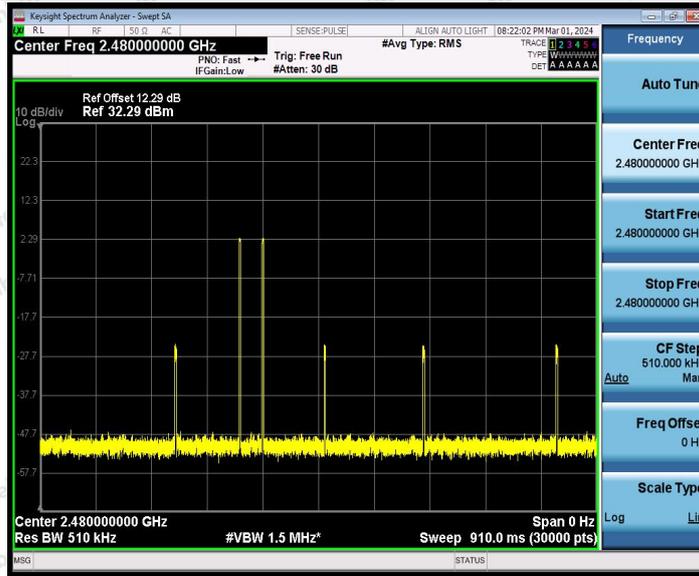


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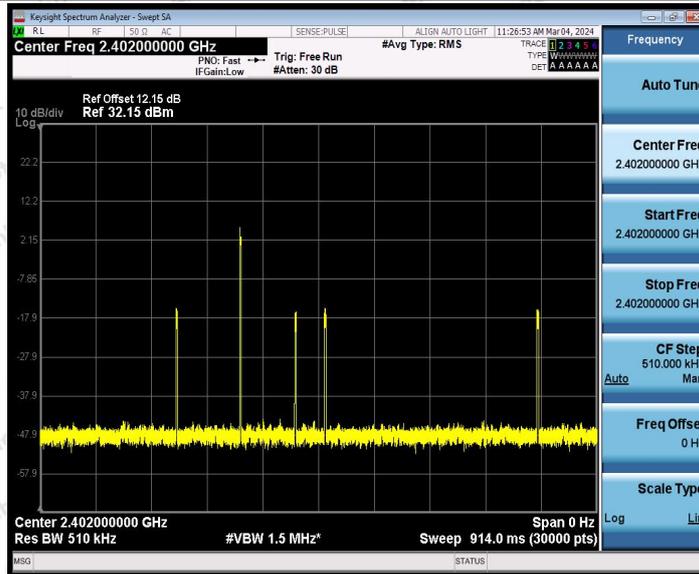




2DH5_Ant1_Hop_2402



2DH5_Ant1_Hop_2480



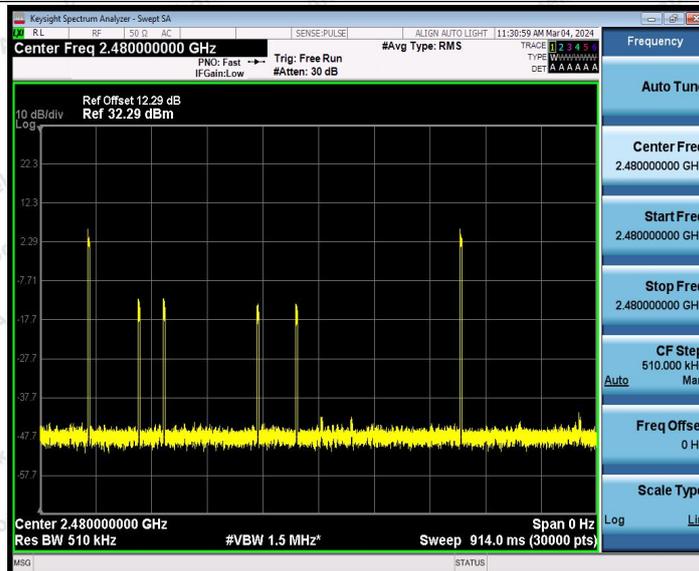
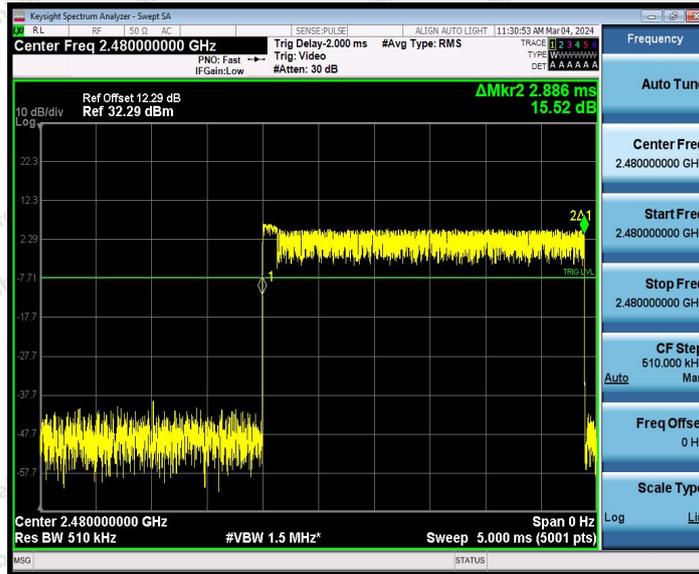
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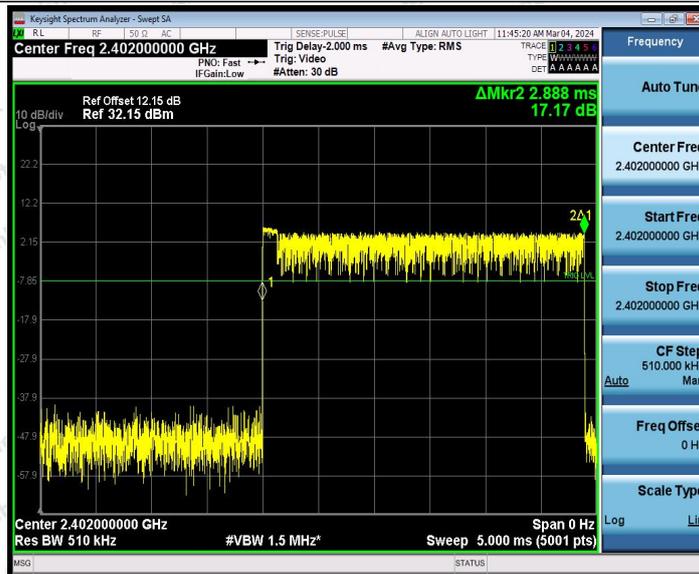
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3DH5_Ant1_Hop_2402

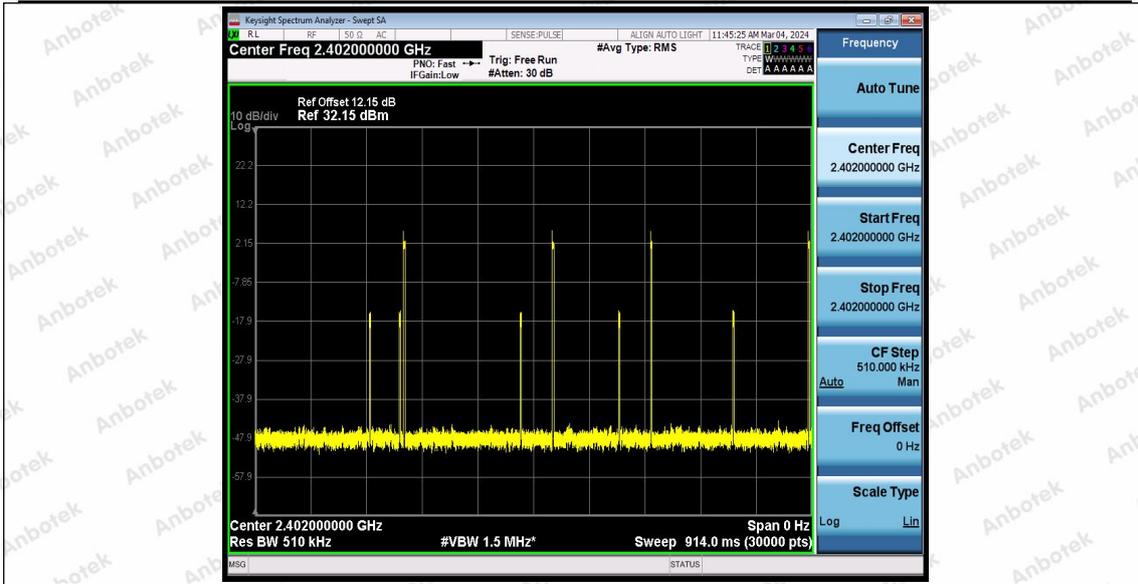


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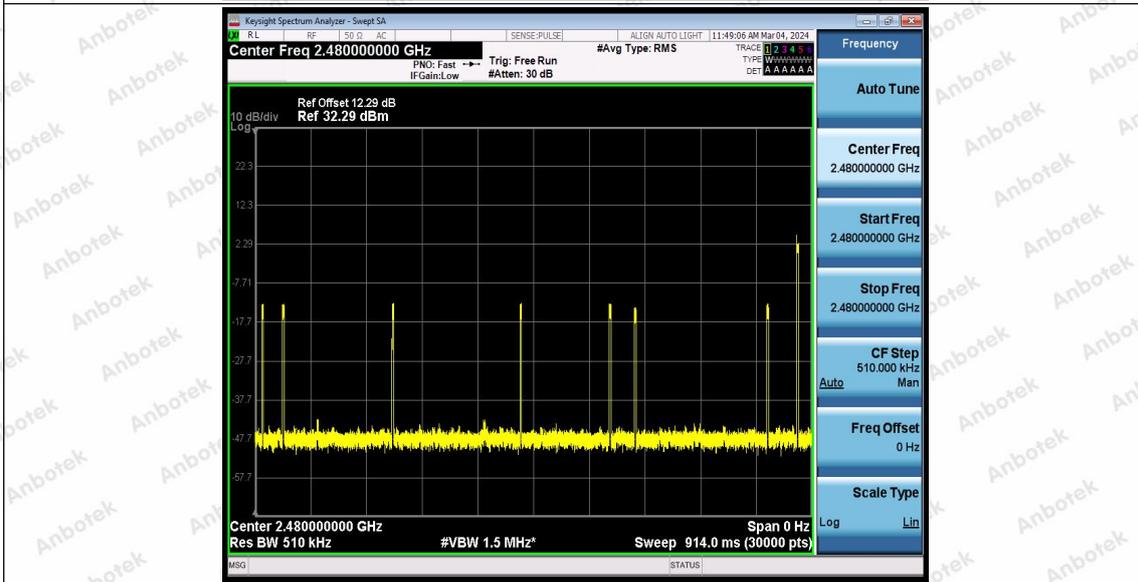
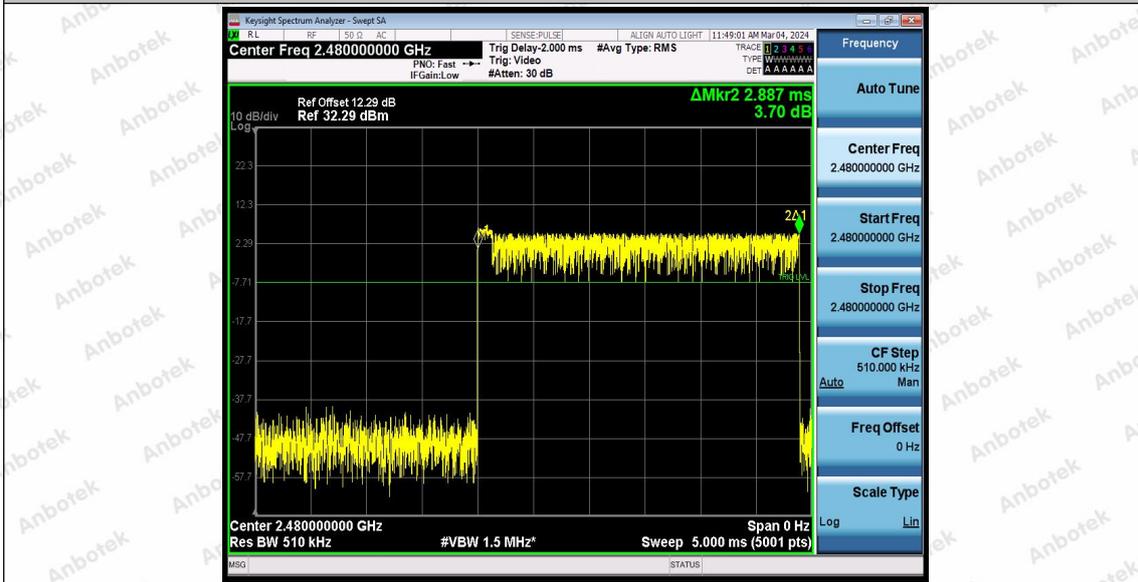
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3DH5_Ant1_Hop_2480



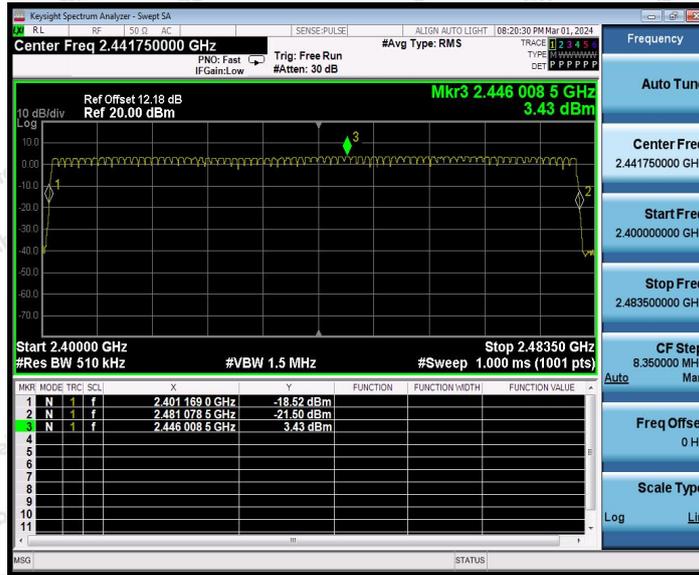
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DH5_Ant1_Hop_2402



DH5_Ant1_Hop_2480



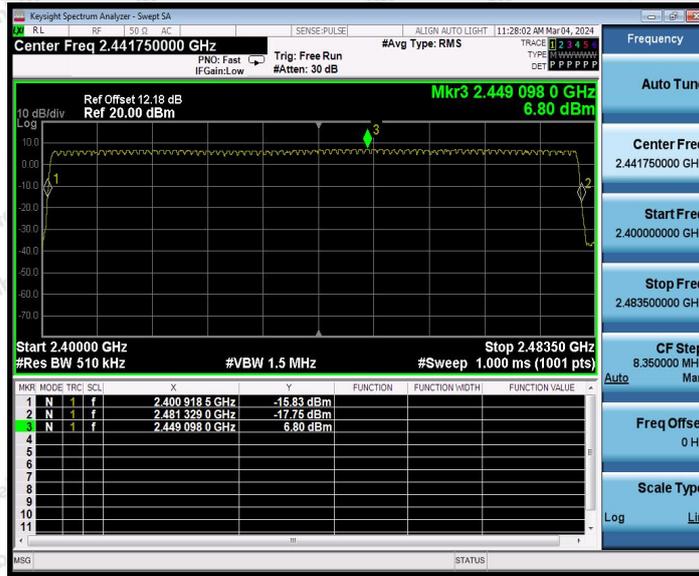
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3DH5_Ant1_Hop_2402

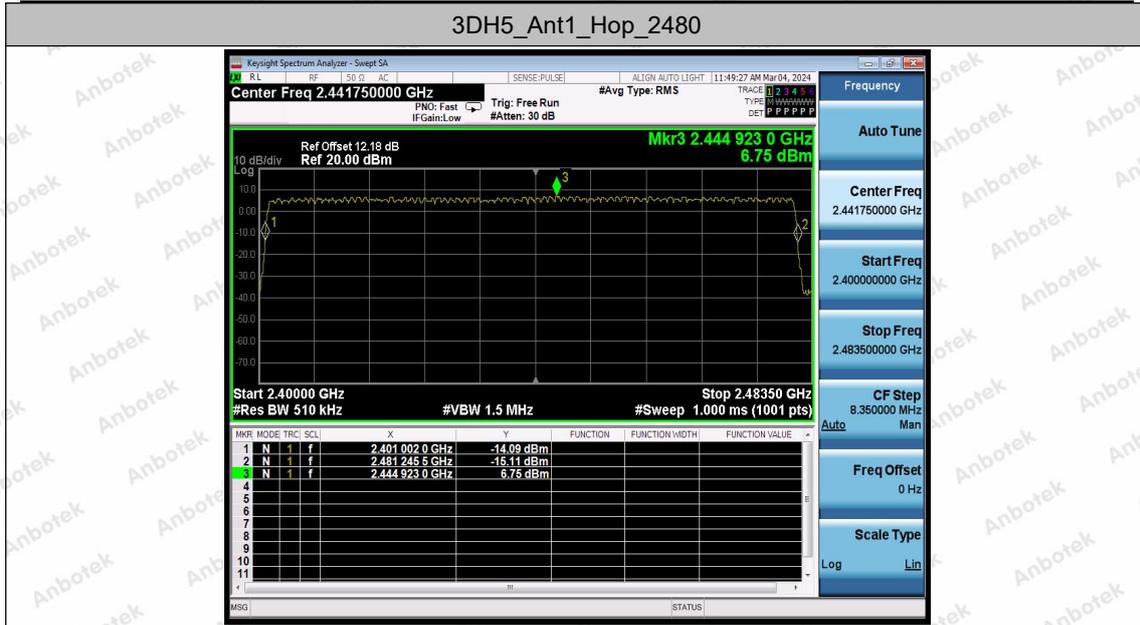


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Appendix D: Hopping Frequency Separation

Test Result

TestMode	Antenna	Frequency[MHz]	Result [MHz]	Limit[MHz]	Verdict
DH5	Ant1	Hop	0.996	0.100	PASS
2DH5	Ant1	Hop	0.975	0.100	PASS
3DH5	Ant1	Hop	1.137	0.100	PASS



Test Graphs



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Appendix E: Transmitter Unwanted Emissions In The Out-Of-Band Domain

Test Result

TestMode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
DH5	Ant1	Hop	2398.5	-59.37	-20.00	PASS
			2399.5	-57.05	-10.00	PASS
			2484	-66.16	-10.00	PASS
			2485	-58.89	-20.00	PASS
2DH5	Ant1	Hop	2398.26	-55.29	-20.00	PASS
			2399.5	-53.09	-10.00	PASS
			2484.24	-53.25	-10.00	PASS
			2485.24	-49.98	-20.00	PASS
3DH5	Ant1	Hop	2398.27	-52.69	-20.00	PASS
			2399.27	-50.05	-10.00	PASS
			2484	-56.59	-10.00	PASS
			2485.47	-52.56	-20.00	PASS

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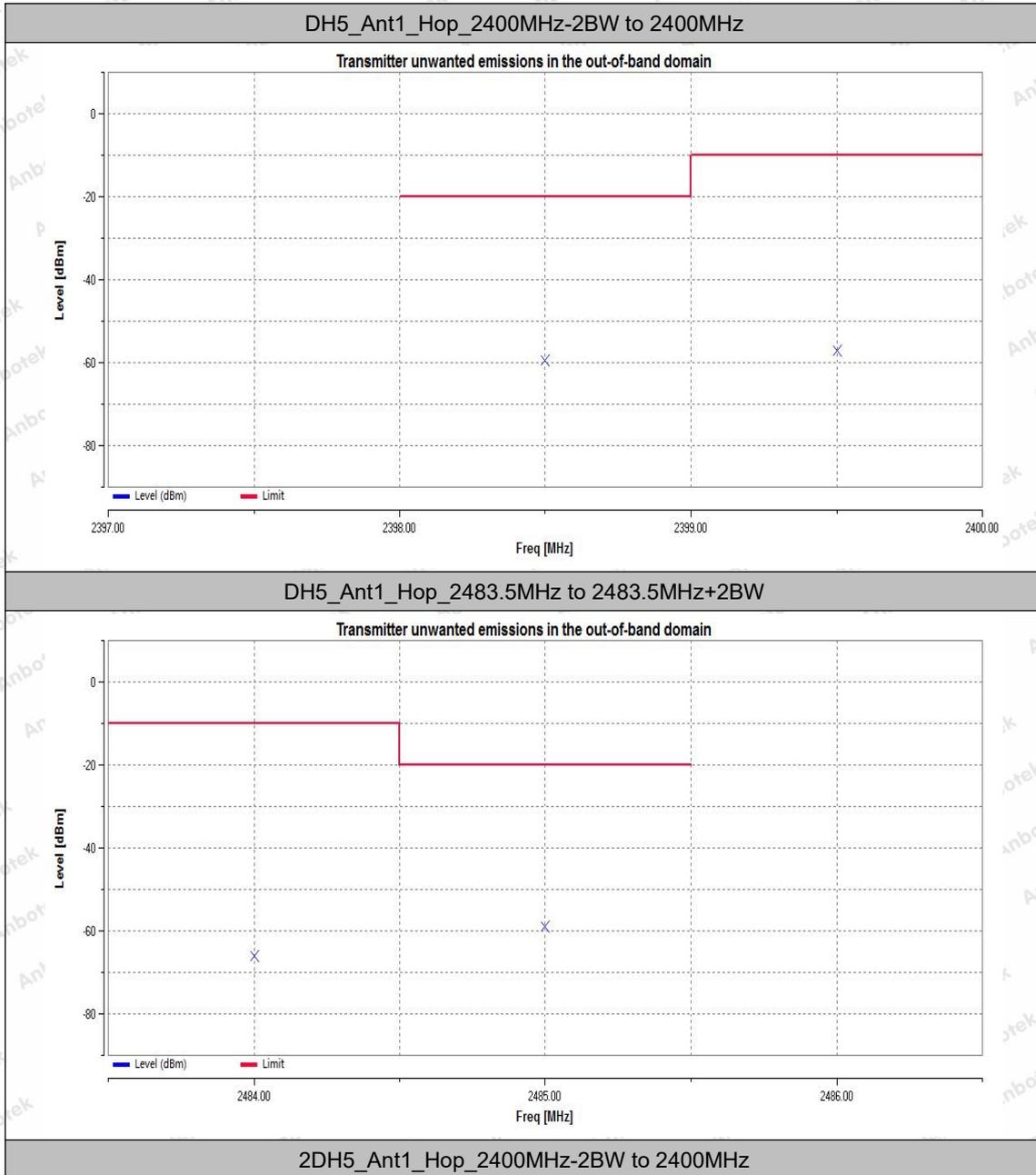
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Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.
Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com

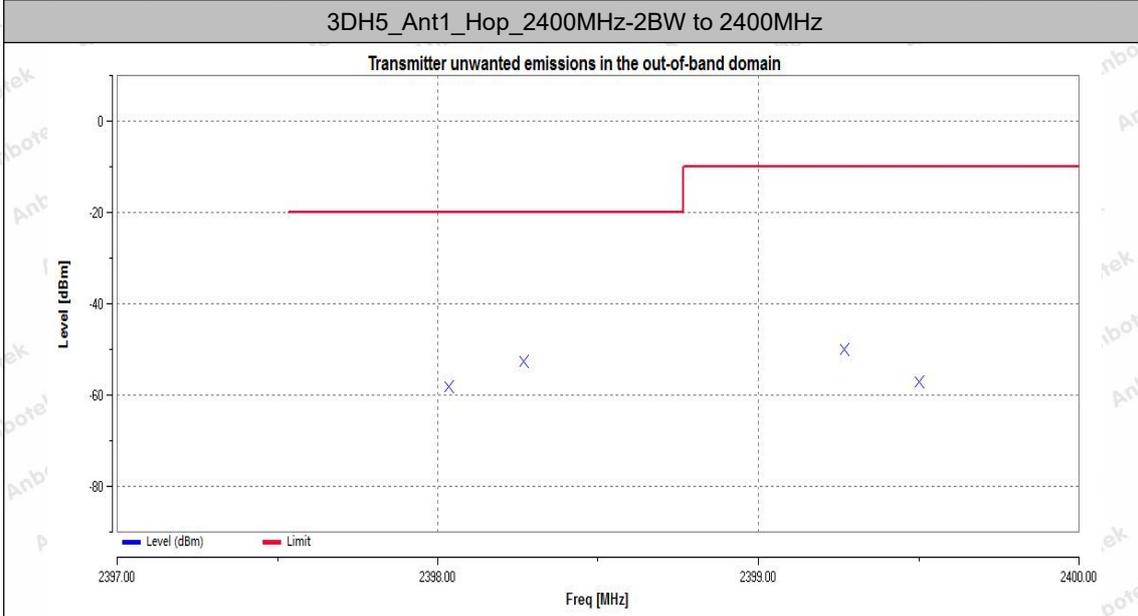
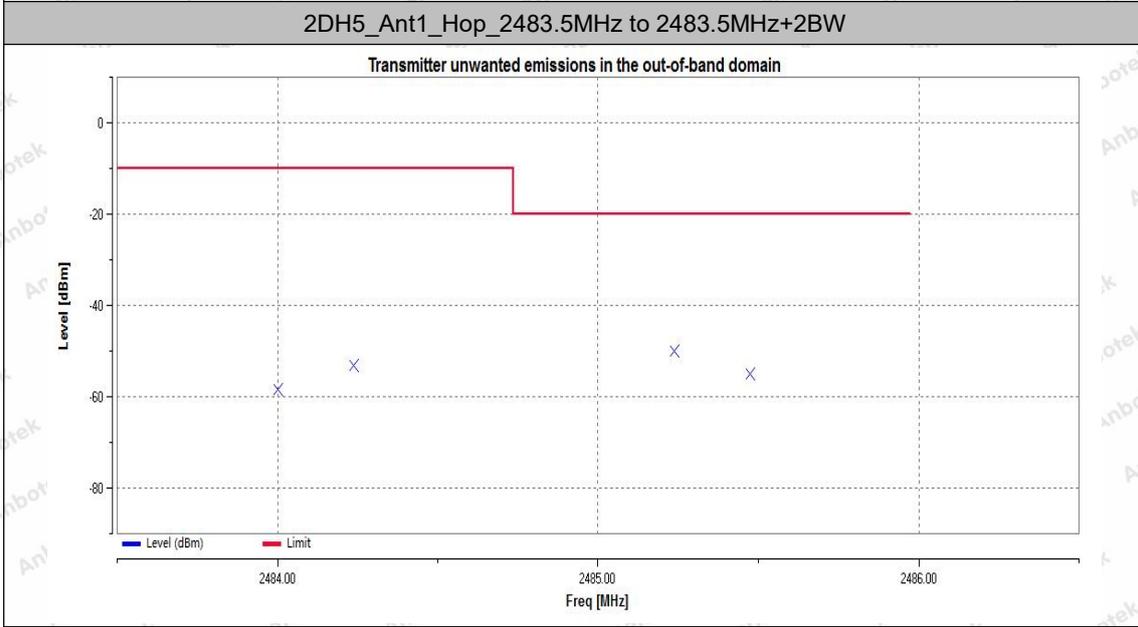
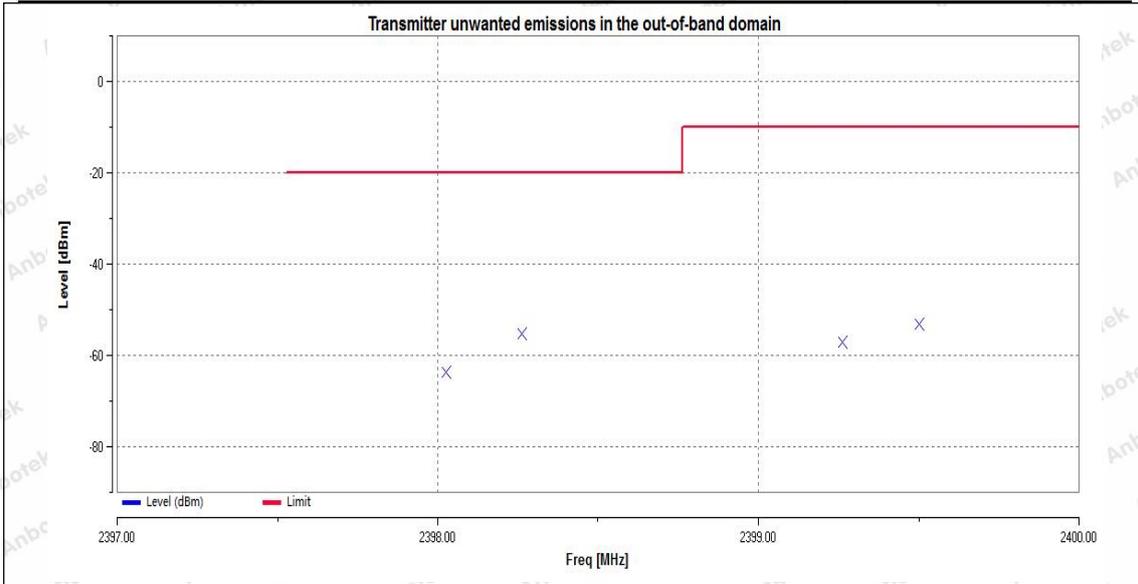


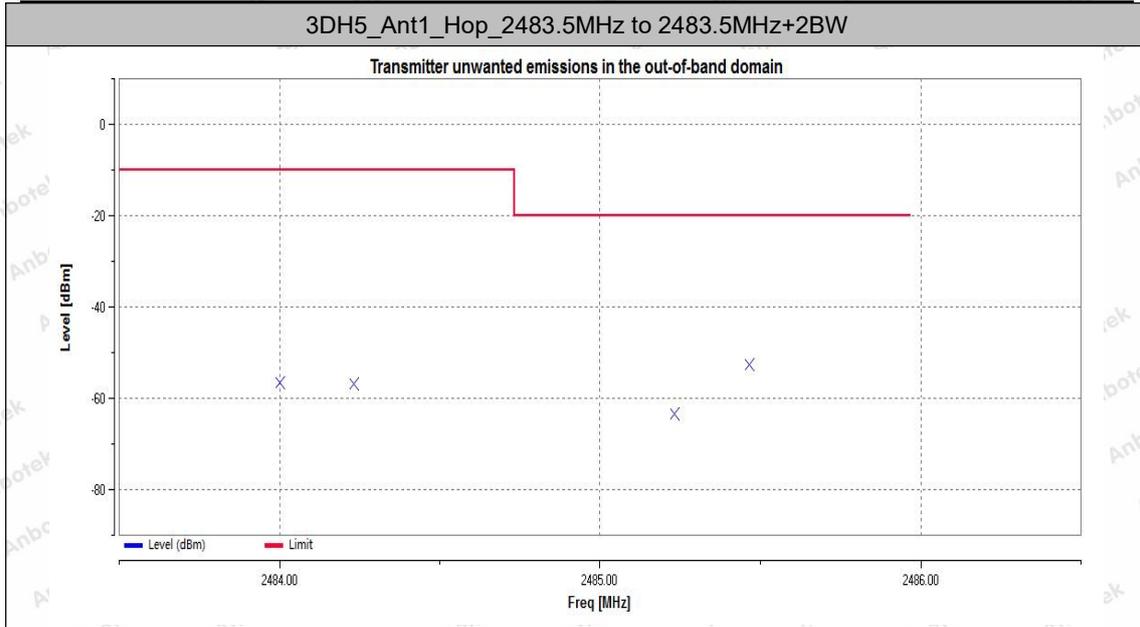
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Test Graphs







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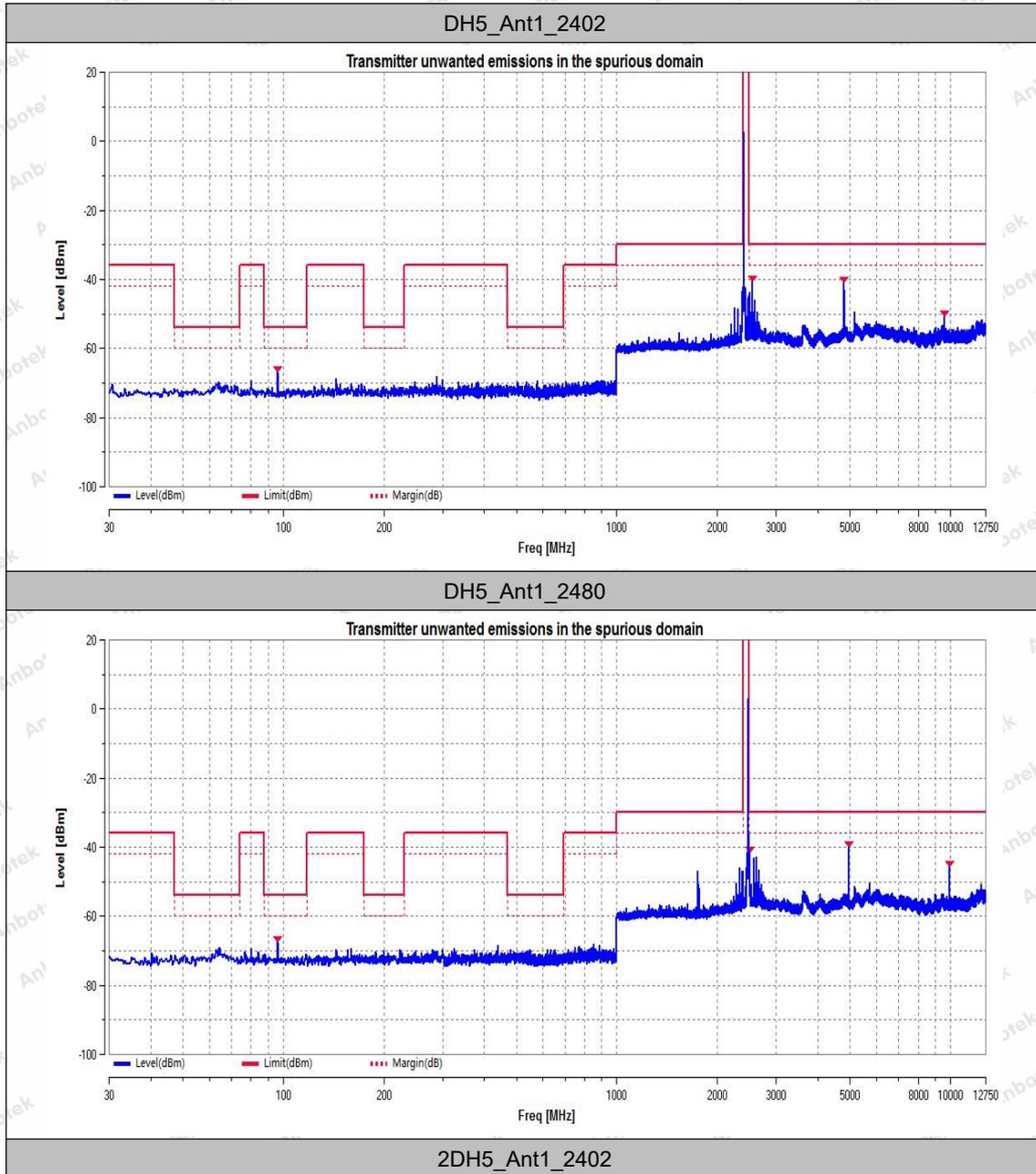
Appendix F: Transmitter unwanted emissions in the spurious domain

Test Result-Pre-scan

TestMode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	96.28	-66.77	-54	PASS
			2545.67	-40.73	-30	PASS
			4804.2	-41.03	-30	PASS
			9608.02	-50.64	-30	PASS
		2480	96.28	-67.55	-54	PASS
			2504	-41.47	-30	PASS
			4959.6	-39.97	-30	PASS
			9920.28	-45.53	-30	PASS
2DH5	Ant1	2402	96.28	-67.37	-54	PASS
			2546	-40.8	-30	PASS
			4804.2	-41.07	-30	PASS
			9608.02	-50.36	-30	PASS
		2480	95.96	-66.82	-54	PASS
			2500.67	-40.77	-30	PASS
			4959.6	-39.97	-30	PASS
			9919.99	-45.32	-30	PASS
3DH5	Ant1	2402	96.28	-67.39	-54	PASS
			2545.33	-40.95	-30	PASS
			4804.2	-40.96	-30	PASS
			9608.02	-50.79	-30	PASS
		2480	96.28	-66.72	-54	PASS
			2498	-41.09	-30	PASS
			4959.9	-39.65	-30	PASS
			9919.99	-45.46	-30	PASS



Test Graphs-Pre-scan



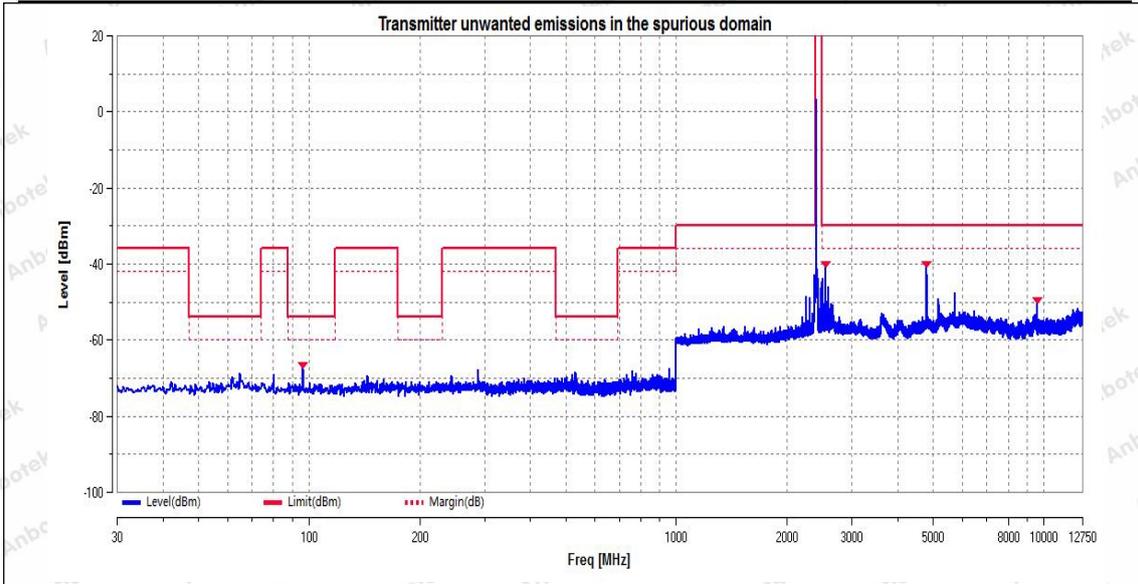
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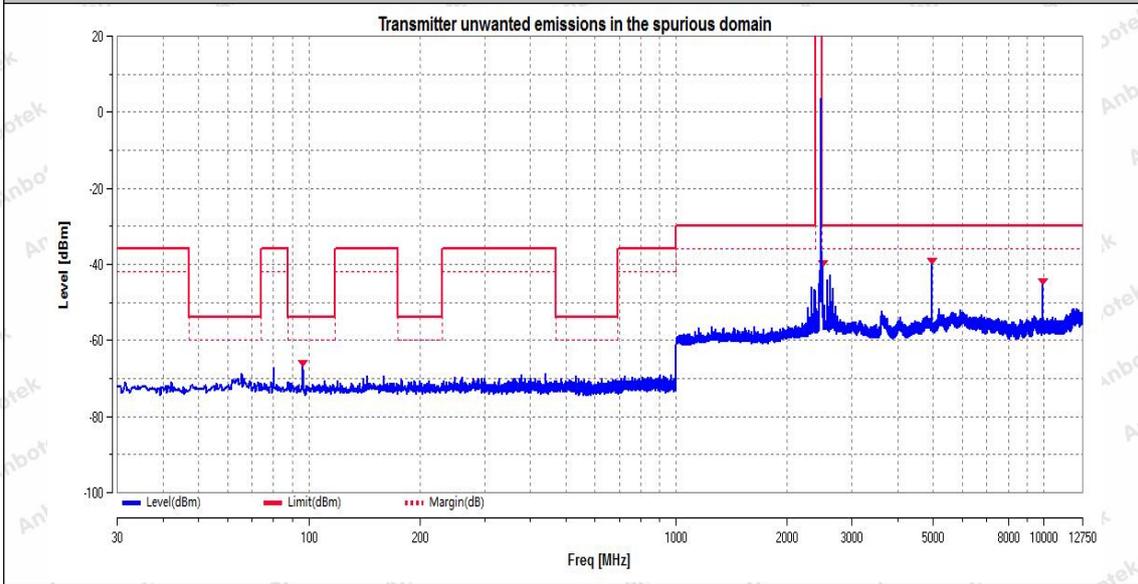


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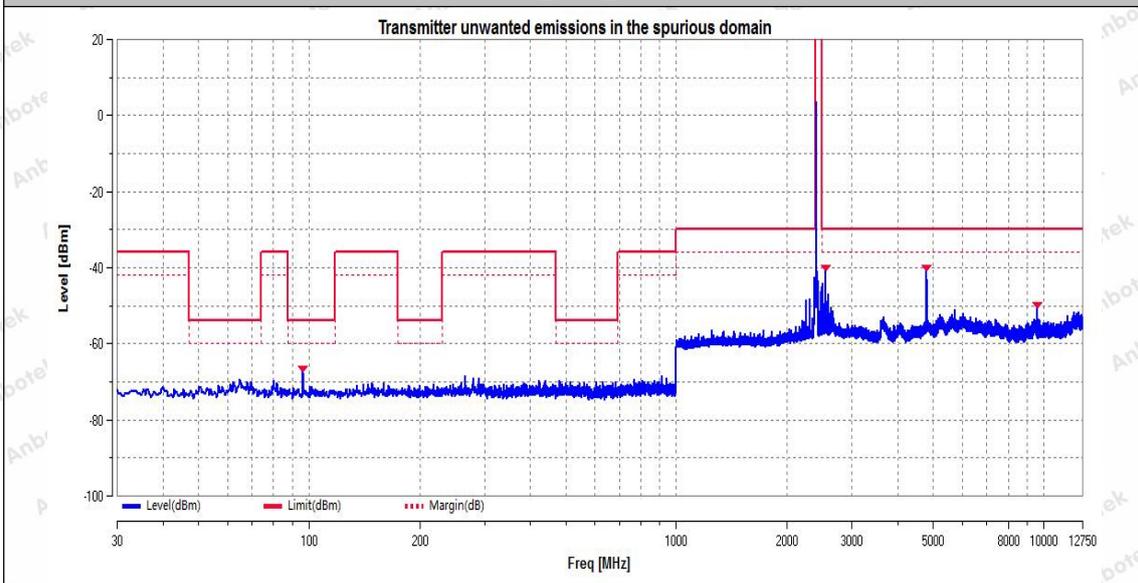


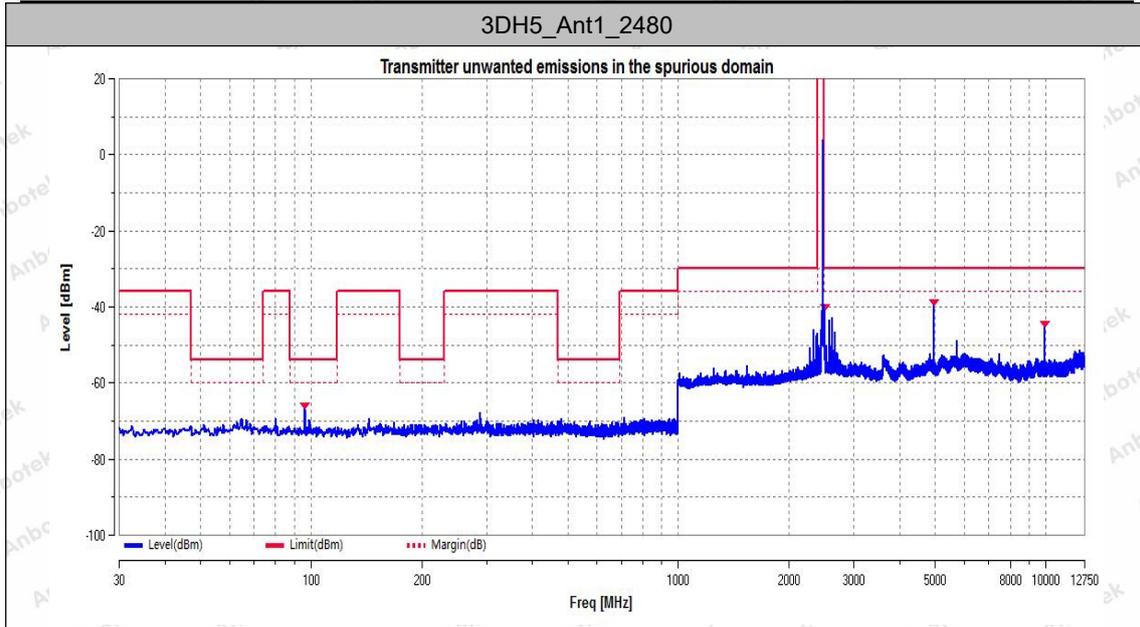


2DH5_Ant1_2480



3DH5_Ant1_2402





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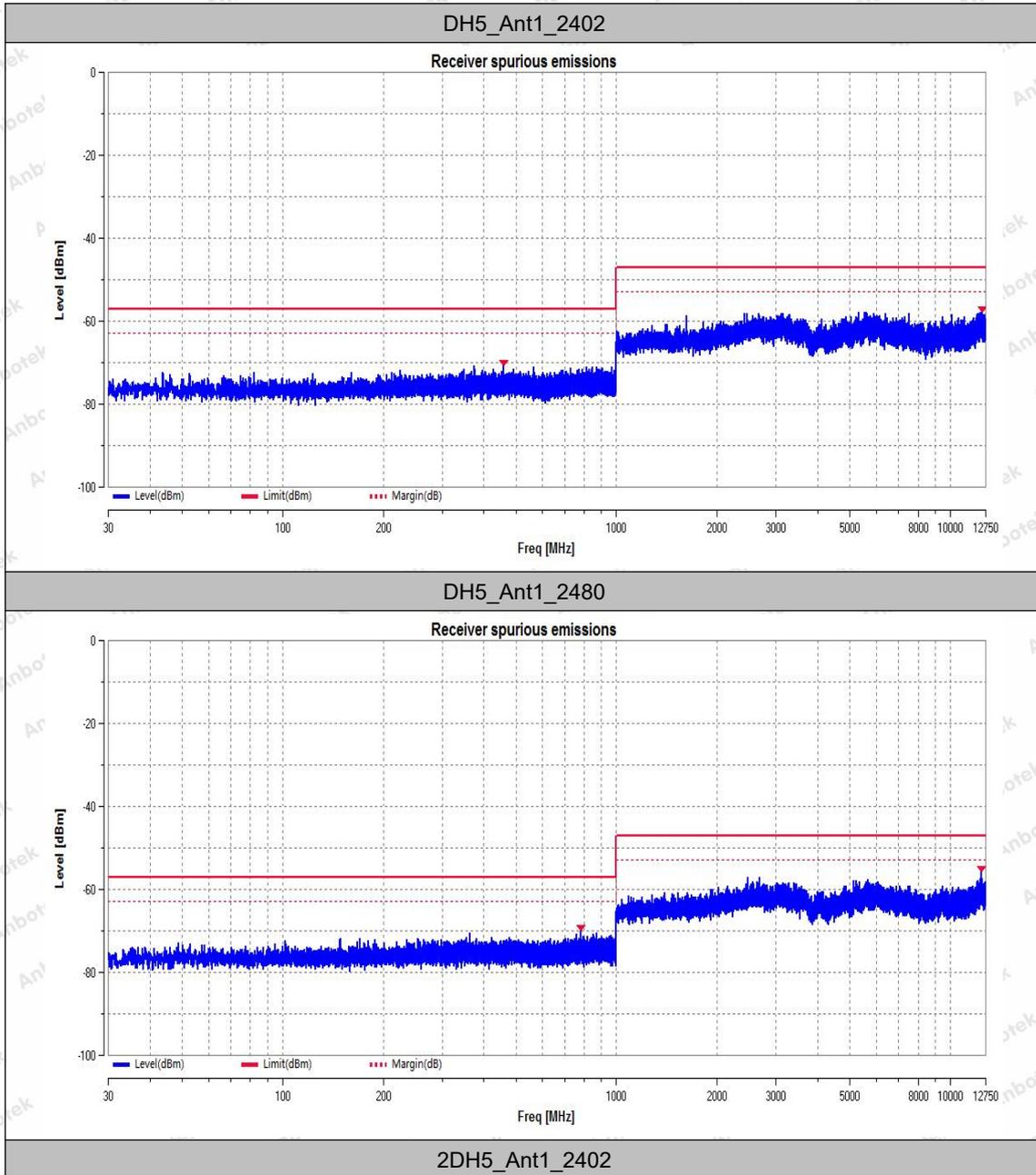
Appendix G: Receiver spurious emissions

Test Result-Pre-scan

TestMode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
DH5	Ant1	2402	458.55	-70.68	-57.00	PASS
			12472.31	-57.8	-47.00	PASS
		2480	783.98	-69.95	-57.00	PASS
			12351.68	-55.92	-47.00	PASS
2DH5	Ant1	2402	998.55	-70.15	-57.00	PASS
			12057.53	-57.26	-47.00	PASS
		2480	712.78	-70.06	-57.00	PASS
			5723.11	-57.34	-47.00	PASS
3DH5	Ant1	2402	977.54	-70.64	-57.00	PASS
			12054.79	-56.63	-47.00	PASS
		2480	735.43	-70.42	-57.00	PASS
			2475.41	-54.69	-47.00	PASS



Test Graphs-Pre-scan

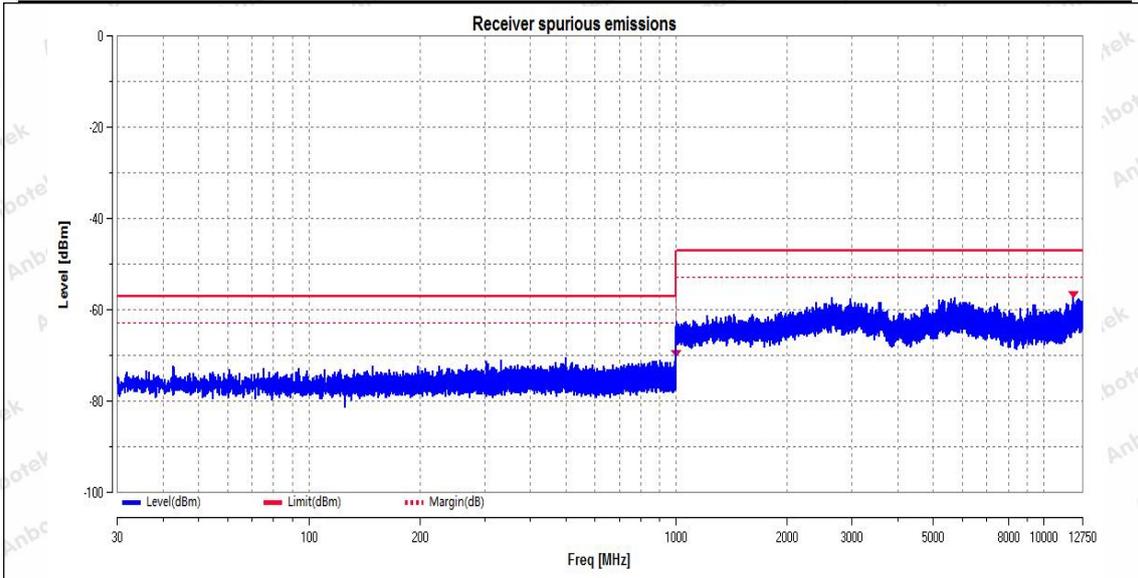


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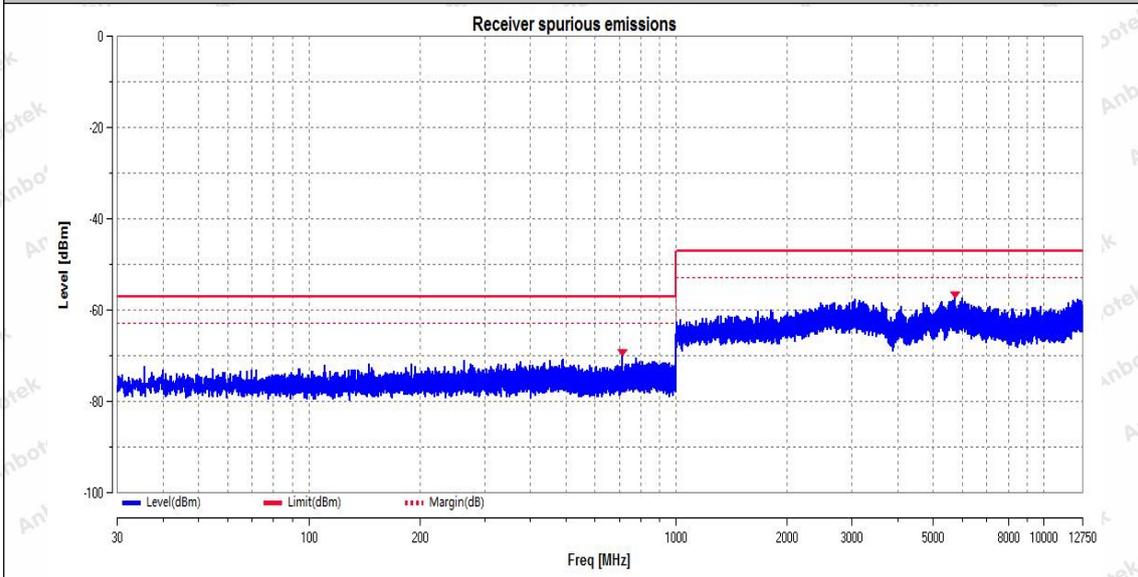
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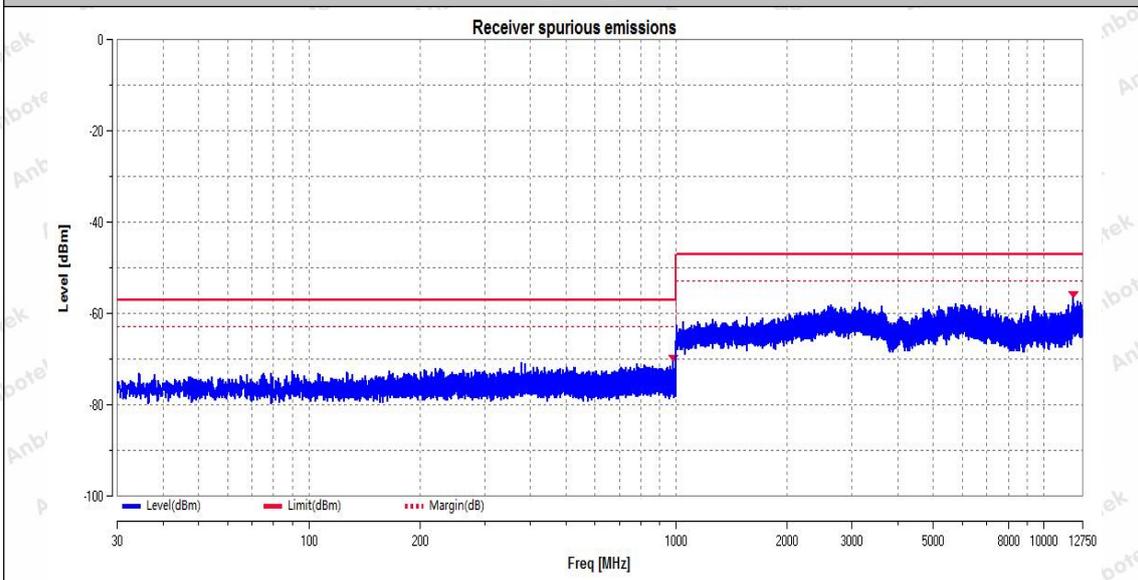


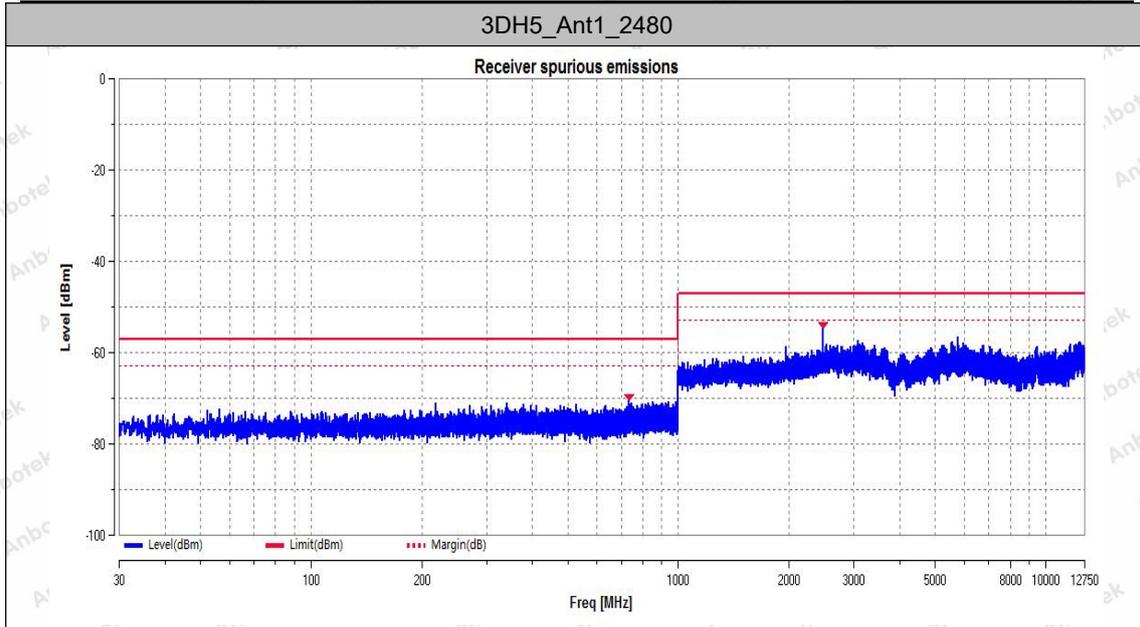


2DH5_Ant1_2480



3DH5_Ant1_2402





---END---

