

## Appendix Test Data

Report No:	18220WC30000205W	Test Sample NO:	1-2-2
Start Test Date :	2023.1.4	Finish Test Date:	2023.1.5
Test Engineer:	<i>Tony He</i>	Auditor:	<i>Edward Pan</i>
Temperature:	24.3C°	Relative Humidity:	56%
Pressure:	1012 hPa		

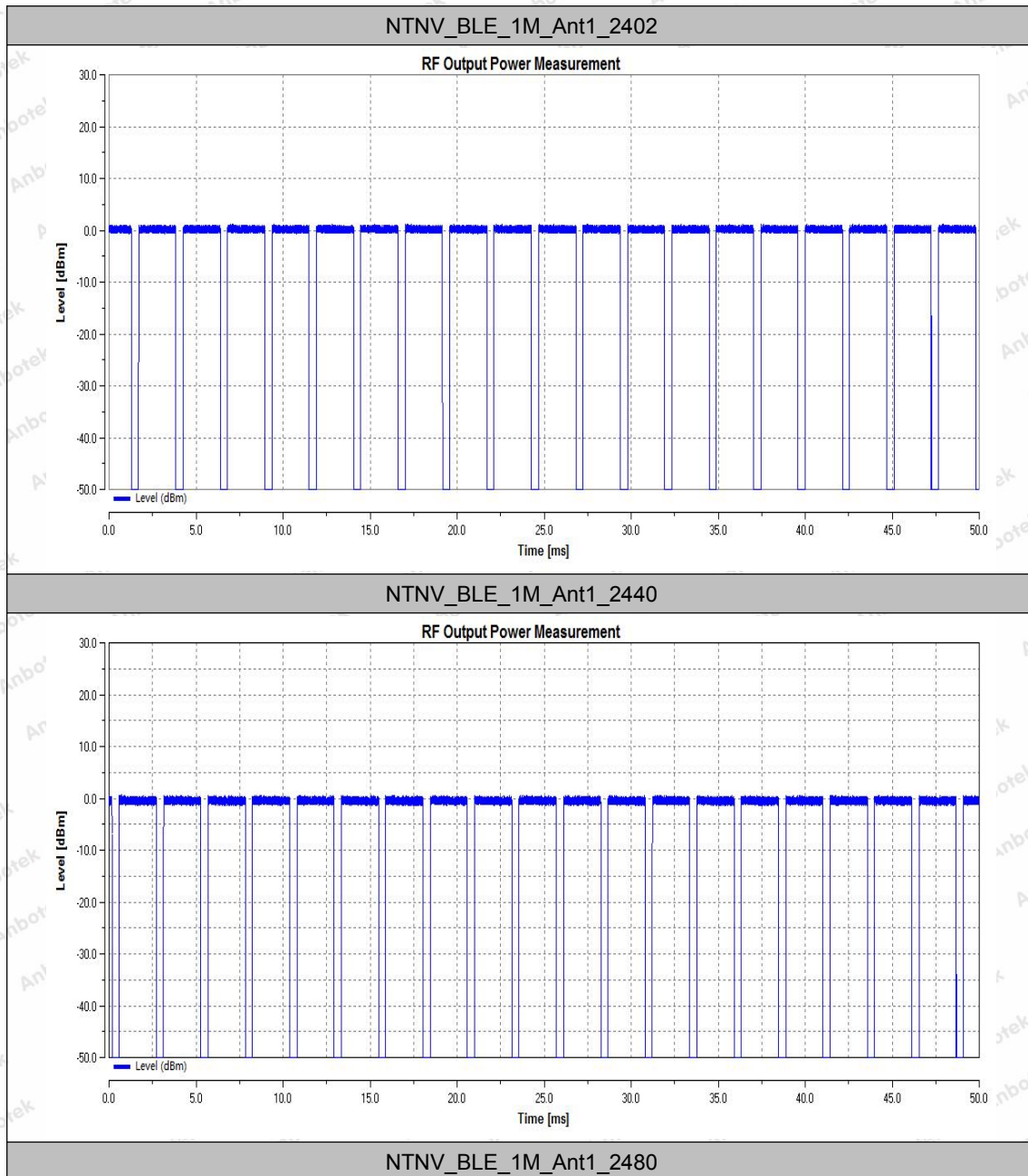
## Appendix A: RF Output Power

## Test Result

Test Condition	Test Mode	Antenna	Frequency[MHz]	EIRP [dBm]	EIRP Limit [dBm]	Verdict
NTNV	BLE_1M	Ant1	2402	4.32	20	PASS
			2440	3.69	20	PASS
			2480	4.46	20	PASS
	BLE_2M	Ant1	2402	4.59	20	PASS
			2440	3.92	20	PASS
			2480	4.83	20	PASS
LTVN	BLE_1M	Ant1	2402	4.17	20	PASS
			2440	3.73	20	PASS
			2480	4.48	20	PASS
	BLE_2M	Ant1	2402	4.53	20	PASS
			2440	3.92	20	PASS
			2480	4.83	20	PASS
HTNV	BLE_1M	Ant1	2402	4.30	20	PASS
			2440	3.70	20	PASS
			2480	4.47	20	PASS
	BLE_2M	Ant1	2402	4.64	20	PASS
			2440	3.88	20	PASS
			2480	4.81	20	PASS



## Test Graphs



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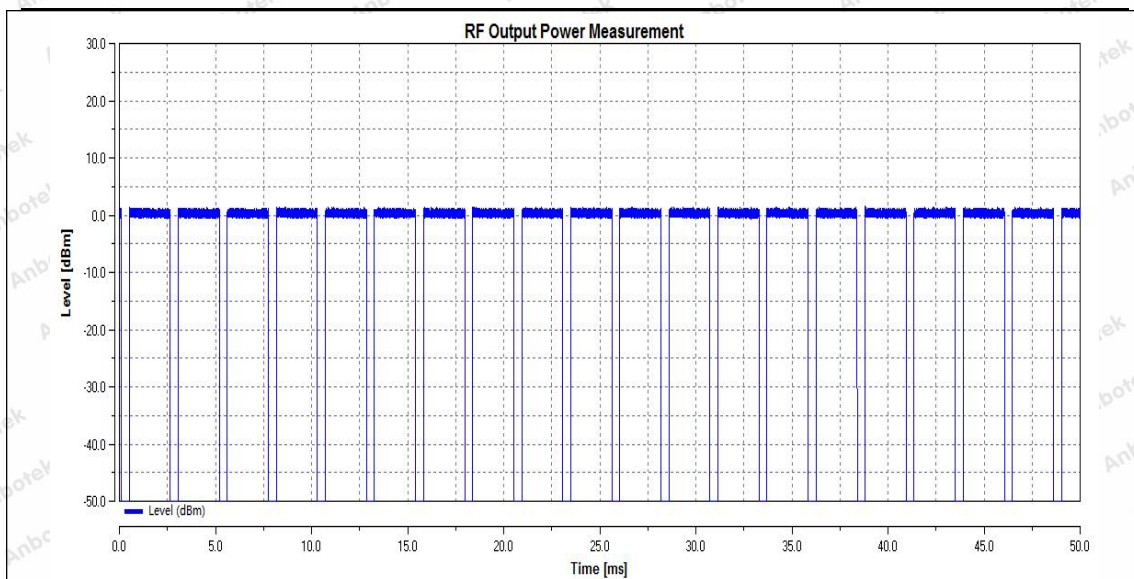
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,  
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Tel: (86) 0755-26066440 Fax: (86) 0755-26014772 Email: service@anbotek.com



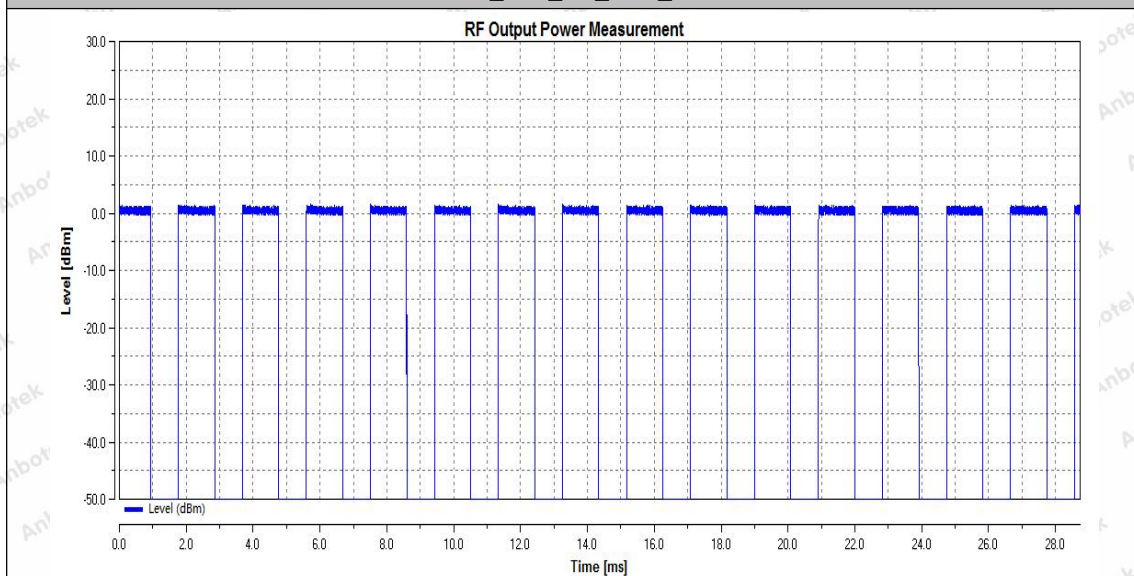
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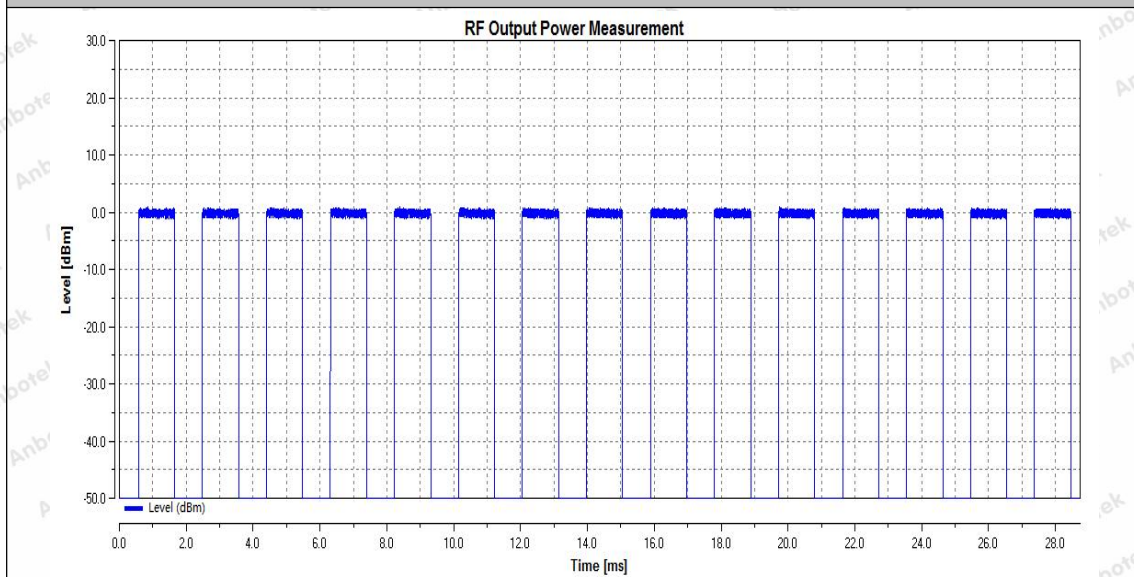




NTNV\_BLE\_2M\_Ant1\_2402



NTNV\_BLE\_2M\_Ant1\_2440



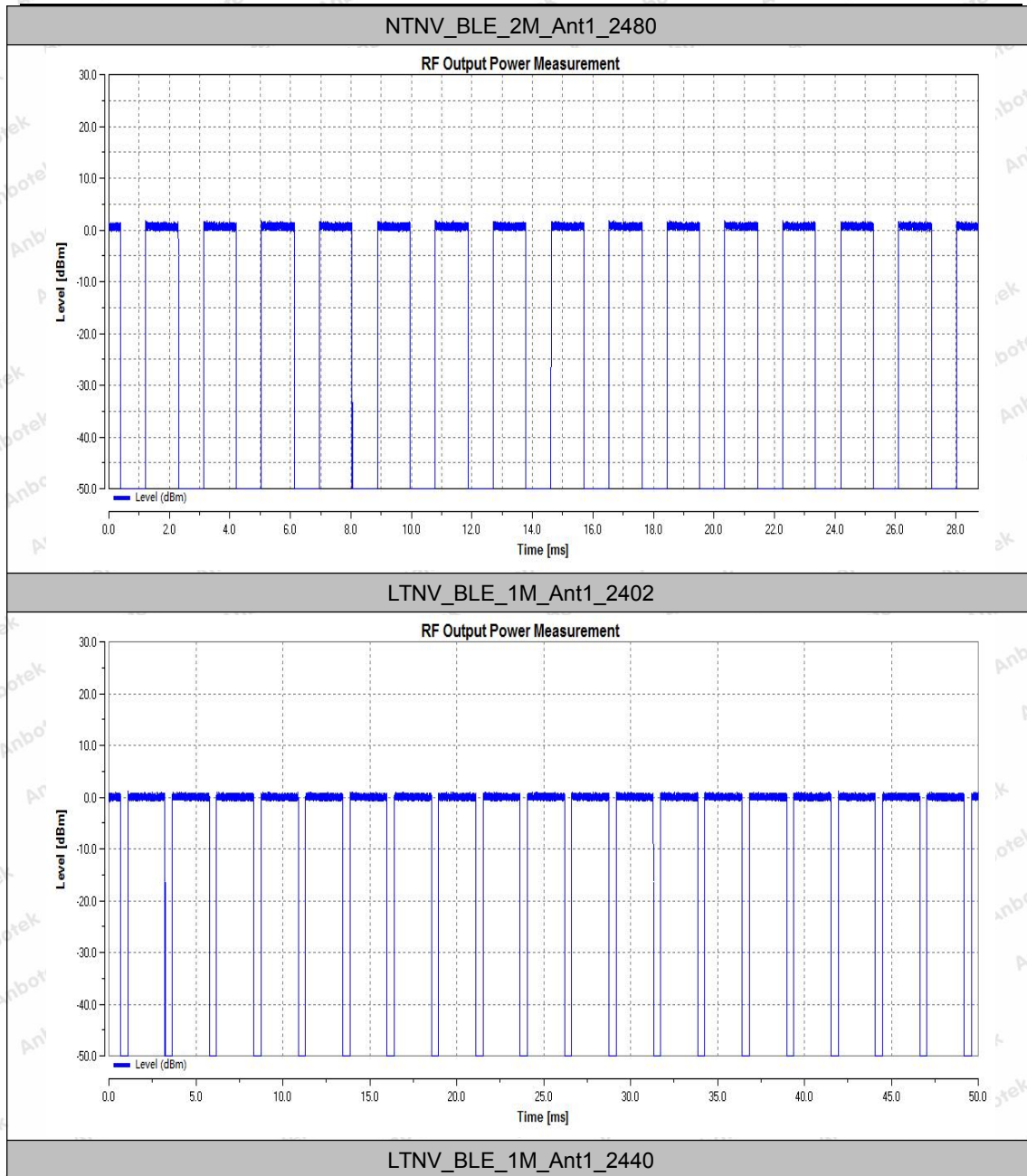
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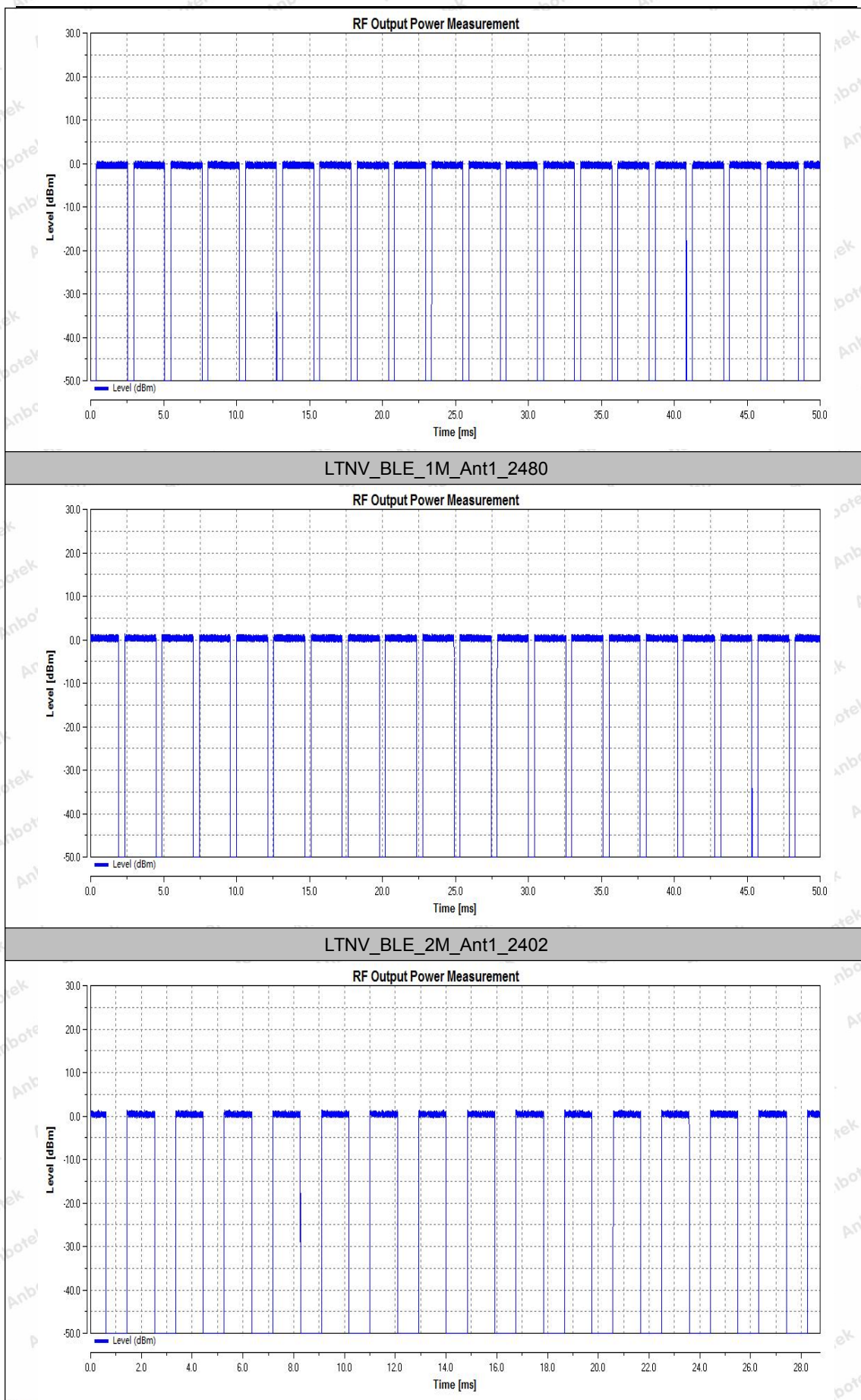
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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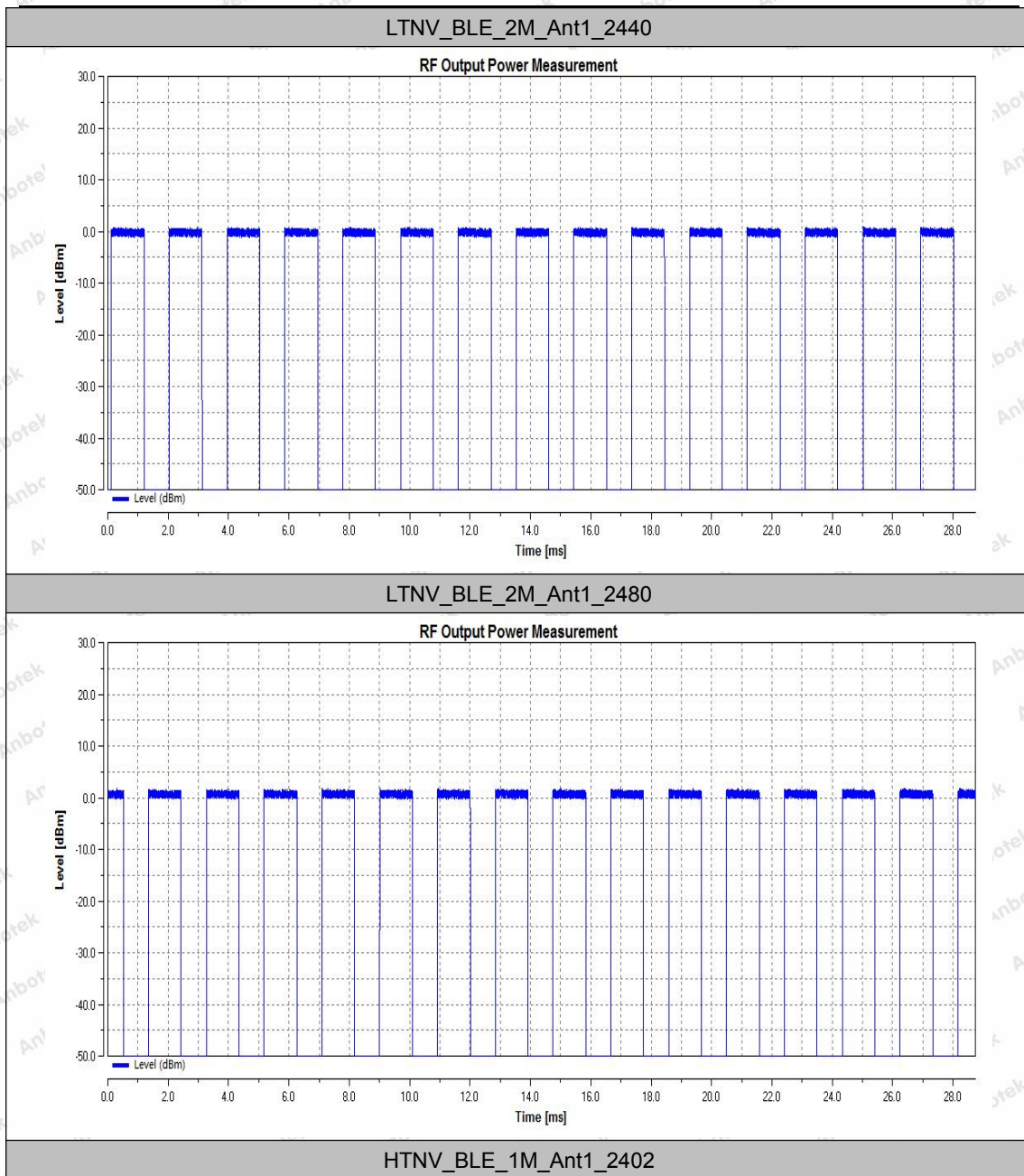
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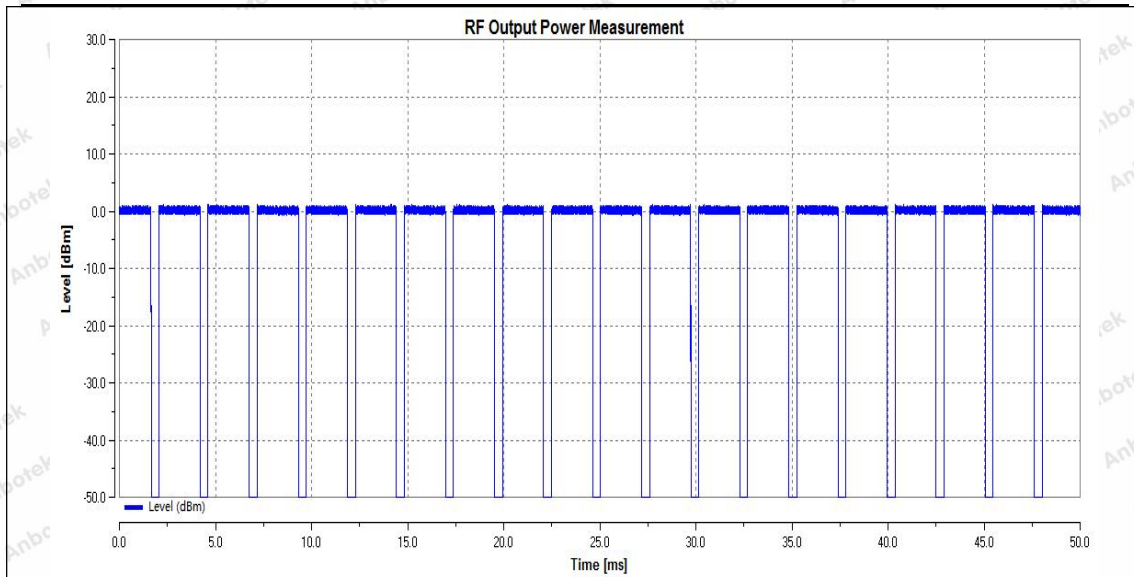
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community,  
Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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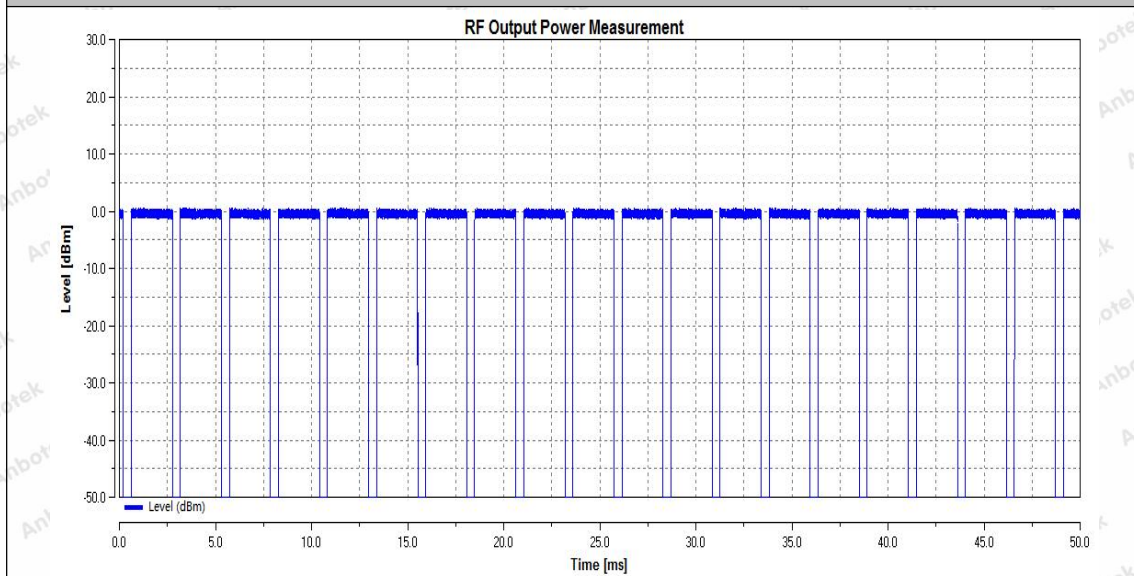
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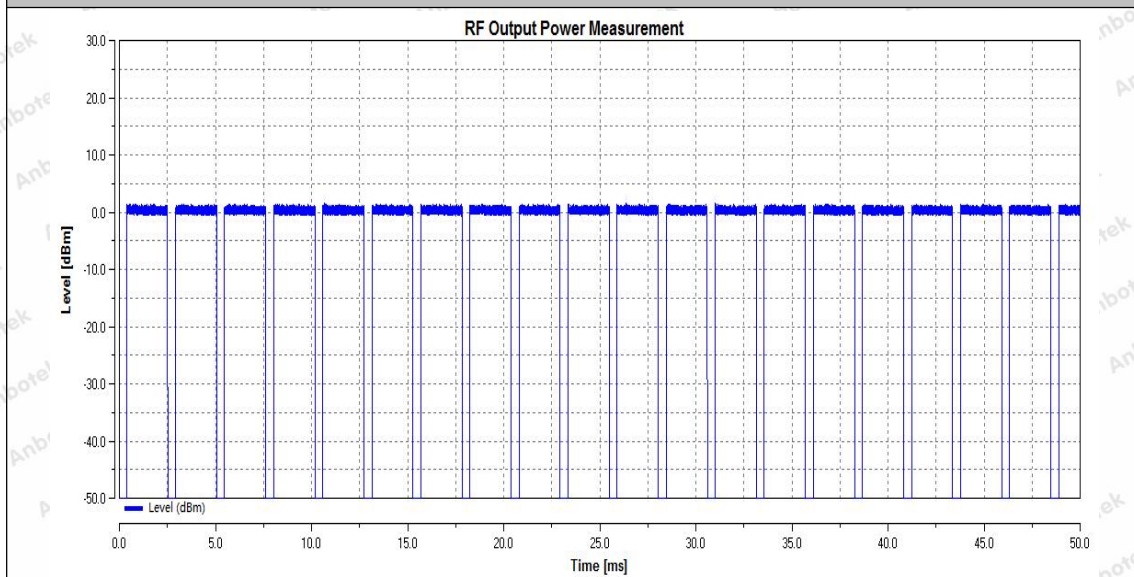




HTNV\_BLE\_1M\_Ant1\_2440



HTNV\_BLE\_1M\_Ant1\_2480

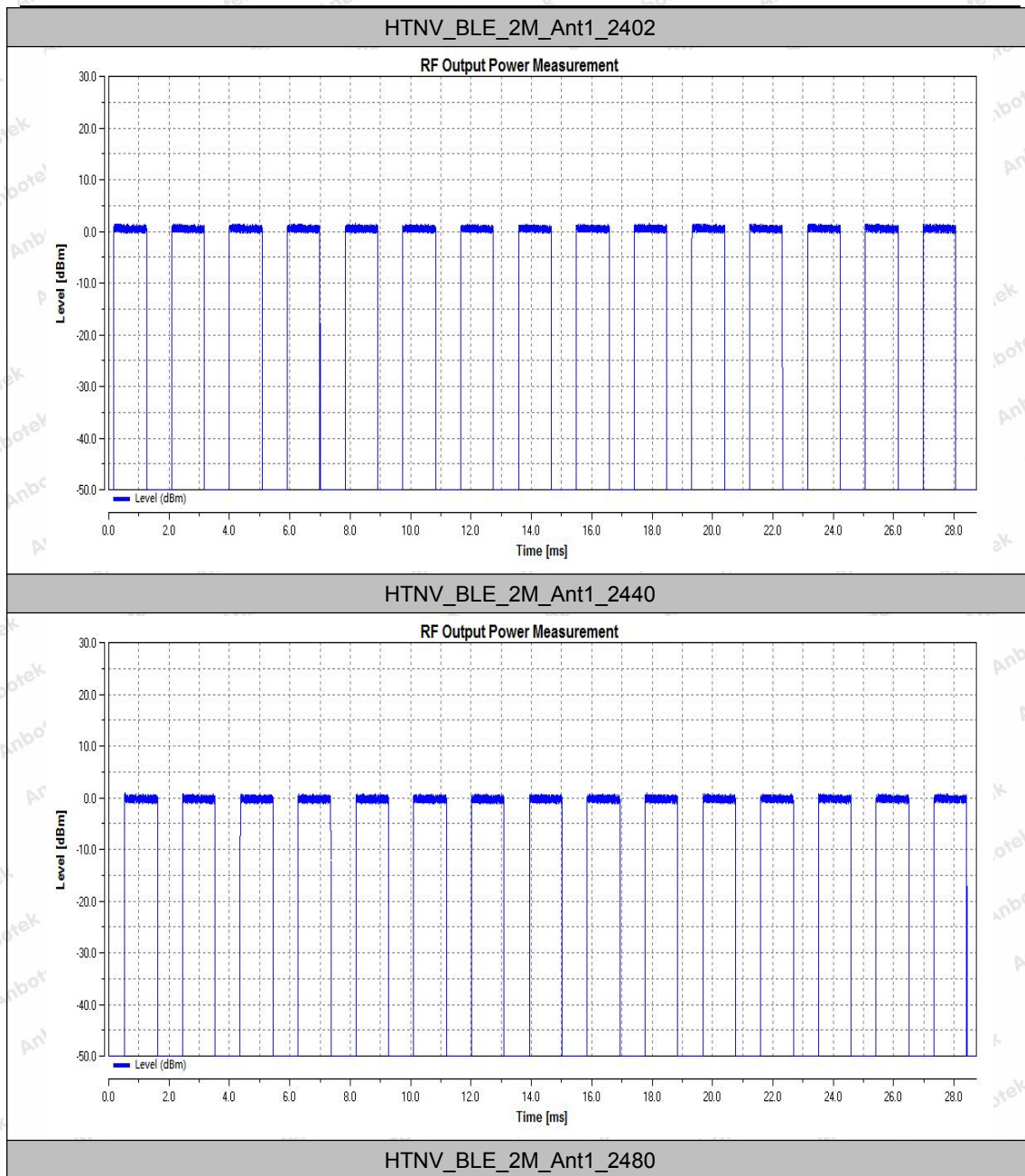
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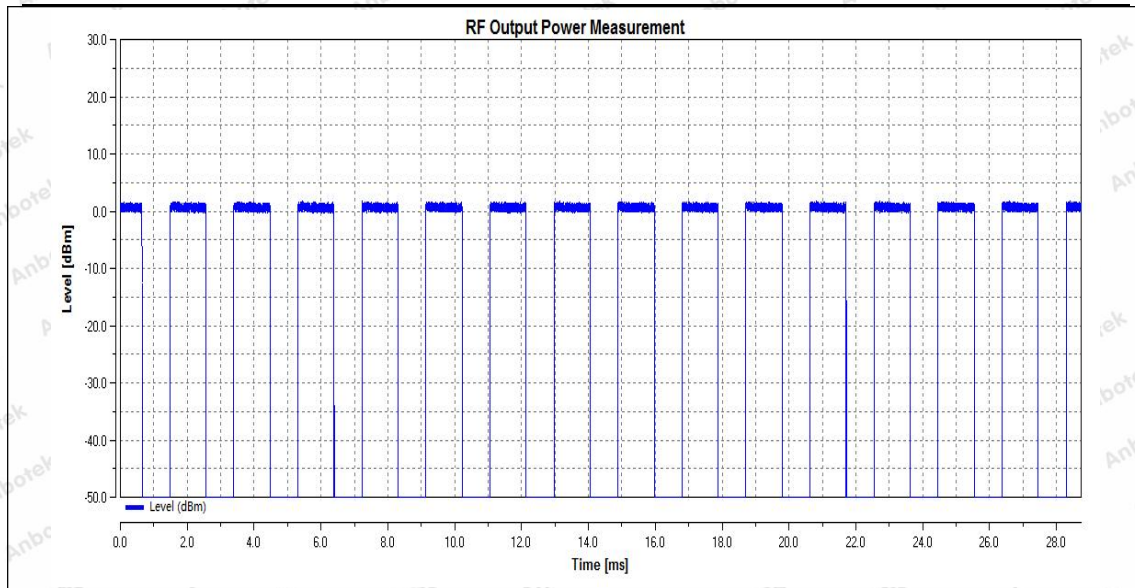
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**Appendix B: Power Spectral Density**

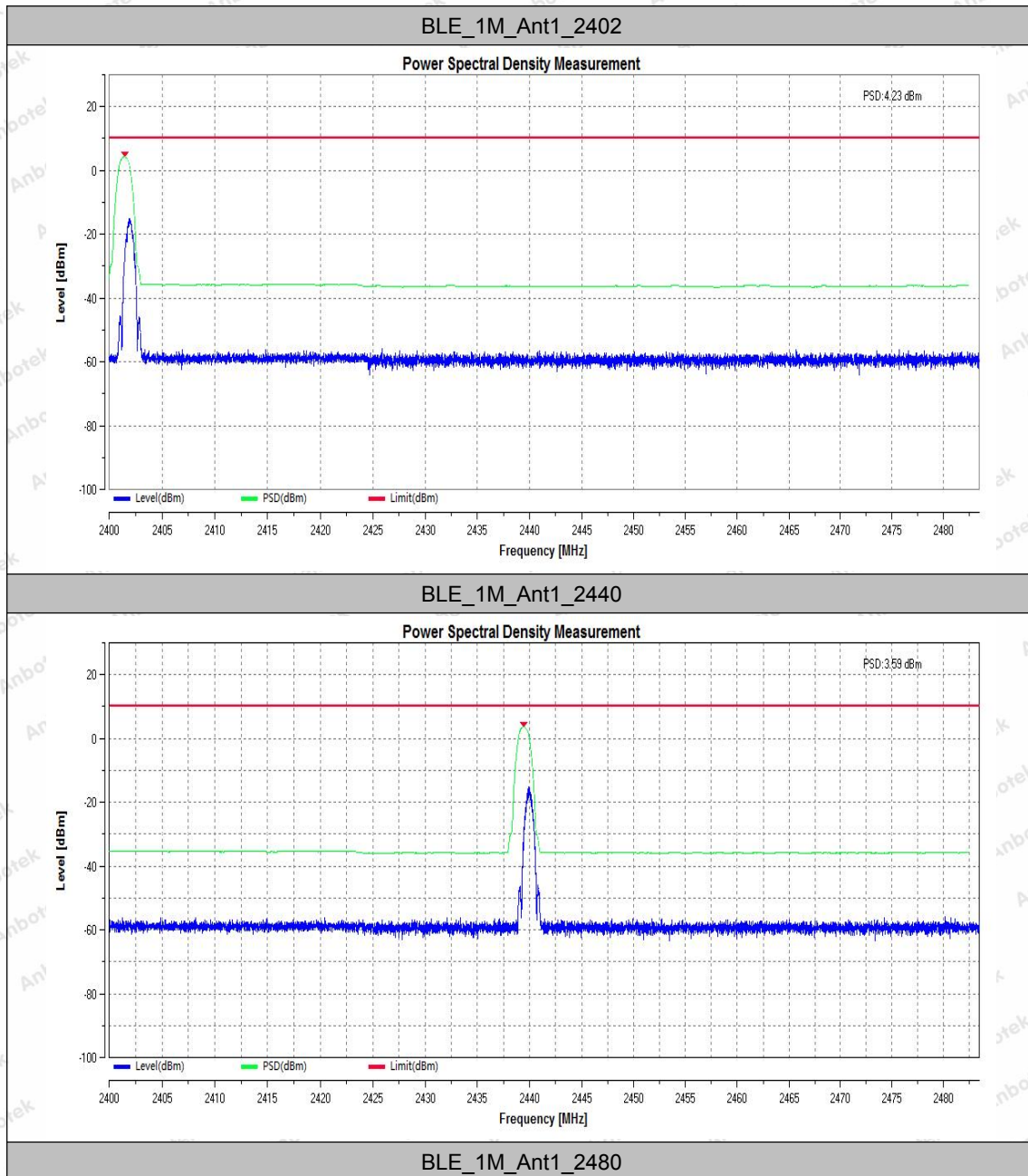
**Test Result**

TestMode	Antenna	Frequency[MHz]	EIRP PSD[dBm/MHz]	Limit[dBm/MHz]	Verdict
BLE_1M	Ant1	2402	4.23	10	PASS
		2440	3.59	10	PASS
		2480	4.36	10	PASS
BLE_2M	Ant1	2402	3.50	10	PASS
		2440	2.81	10	PASS
		2480	3.72	10	PASS





## Test Graphs



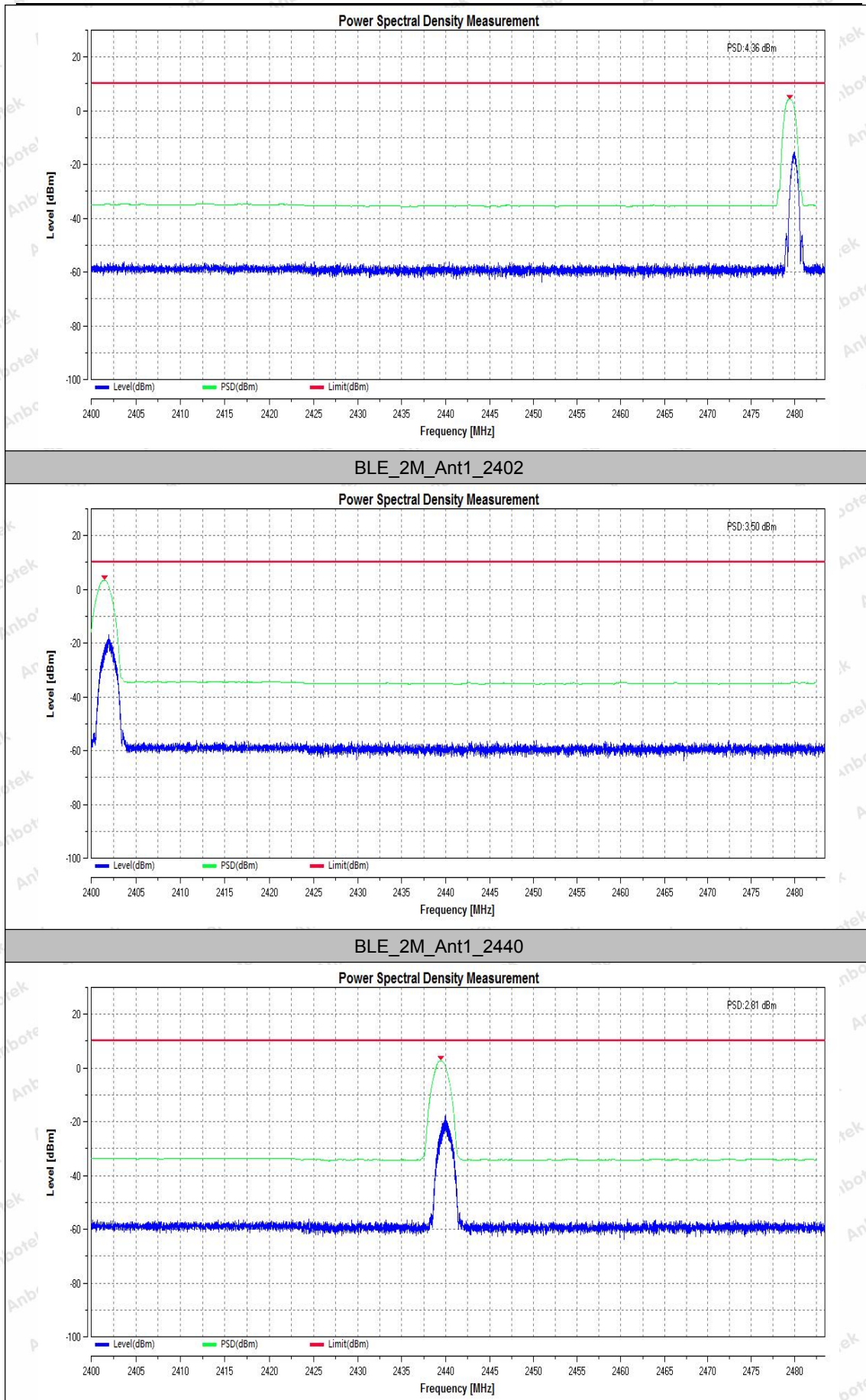
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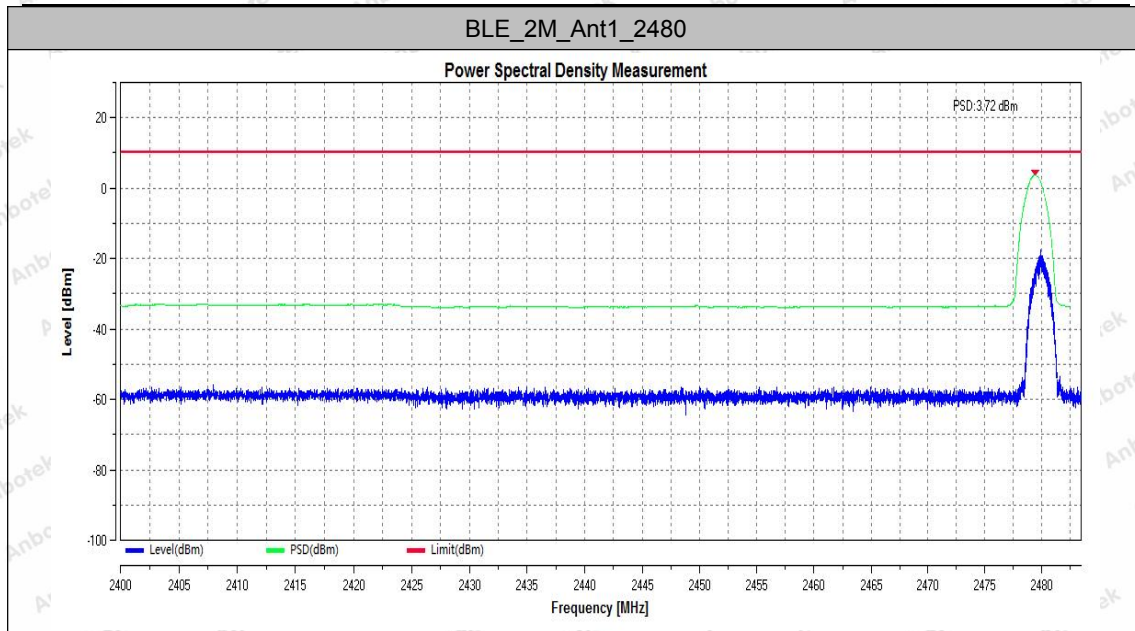
Address: 1/F., Building D, Sogood Science and Technology Park, Sanwei Community, Hangcheng Street, Bao'an District, Shenzhen, Guangdong, China.  
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## Appendix C: Occupied Channel Bandwidth

### Test Result

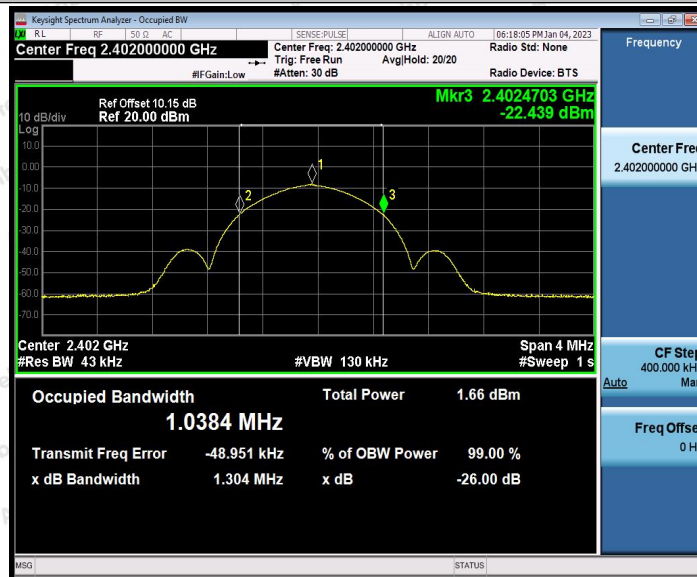
TestMode	Antenna	Frequency[MHz]	OCB[MHz]	FL[MHz]	FH[MHz]	Limit[MHz]	Verdict
BLE_1M	Ant1	2402	1.0384	2401.4319	2402.4703	2400 to 2483.5	PASS
		2440	1.0380	2439.4311	2440.4691	2400 to 2483.5	PASS
		2480	1.0384	2479.4295	2480.4679	2400 to 2483.5	PASS
BLE_2M	Ant1	2402	2.0455	2400.9280	2402.9735	2400 to 2483.5	PASS
		2440	2.0451	2438.9287	2440.9738	2400 to 2483.5	PASS
		2480	2.0456	2478.9264	2480.9720	2400 to 2483.5	PASS



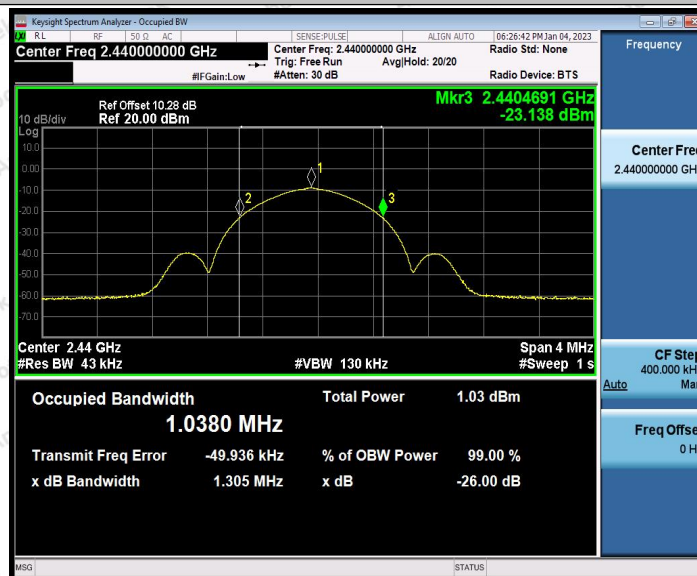


## Test Graphs

BLE\_1M\_Ant1\_2402



BLE\_1M\_Ant1\_2440



BLE\_1M\_Ant1\_2480

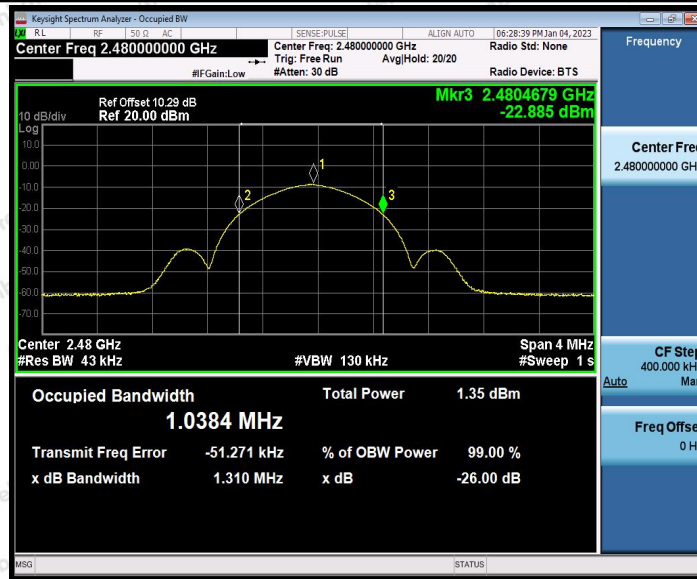
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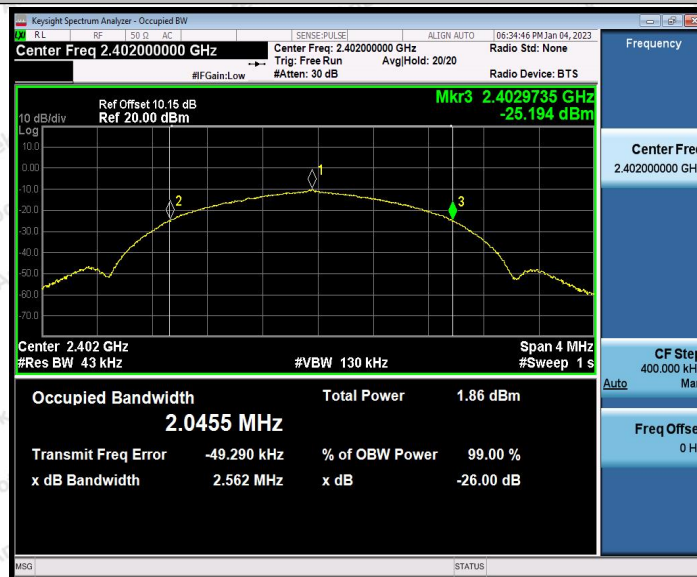


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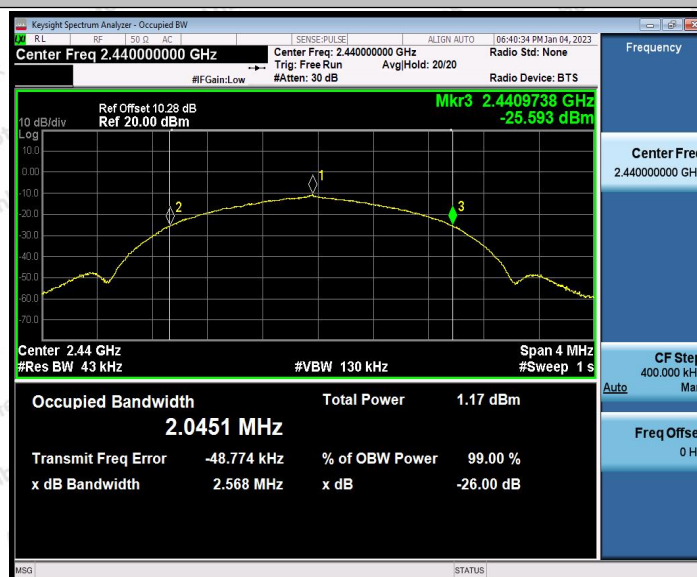




BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2440



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## Appendix D: Transmitter Unwanted Emissions In The Out-Of-BandDomain

### Test Result

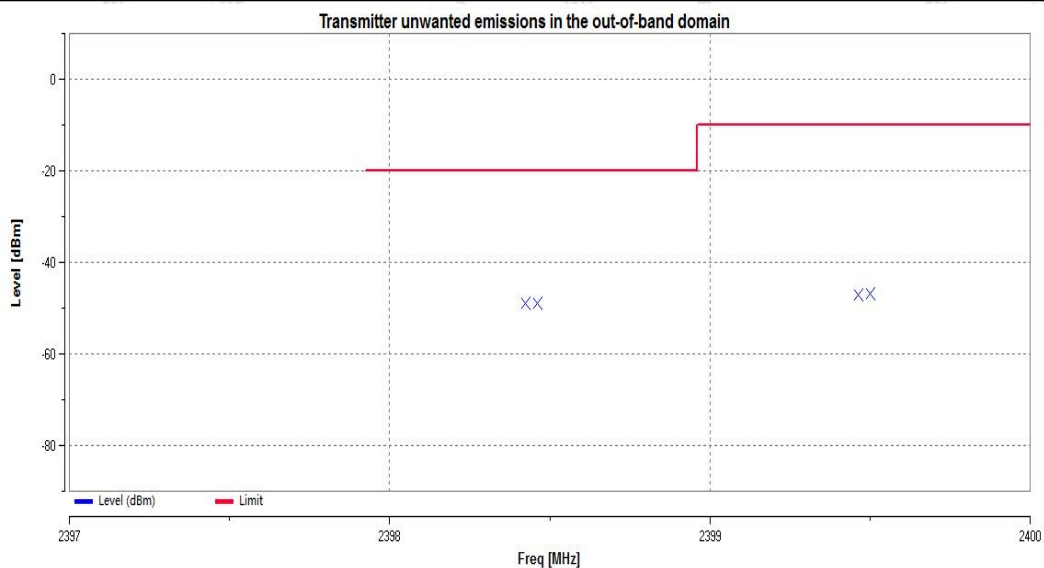
TestMode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	2398.42	-49.06	-20.00	PASS
			2398.46	-49.00	-20.00	PASS
			2399.46	-47.06	-10.00	PASS
			2399.50	-46.82	-10.00	PASS
		2480	2484.00	-49.10	-10.00	PASS
			2484.04	-49.11	-10.00	PASS
			2485.04	-49.68	-20.00	PASS
BLE_2M	Ant1	2402	2485.08	-49.70	-20.00	PASS
			2396.41	-50.46	-20.00	PASS
			2396.45	-50.43	-20.00	PASS
			2397.45	-49.73	-20.00	PASS
			2398.45	-48.75	-10.00	PASS
			2398.50	-48.70	-10.00	PASS
		2480	2399.50	-42.35	-10.00	PASS
			2484.00	-48.95	-10.00	PASS
			2485.00	-49.63	-10.00	PASS
			2485.05	-49.67	-10.00	PASS
			2486.05	-50.09	-20.00	PASS
			2487.05	-50.45	-20.00	PASS
			2487.09	-50.47	-20.00	PASS



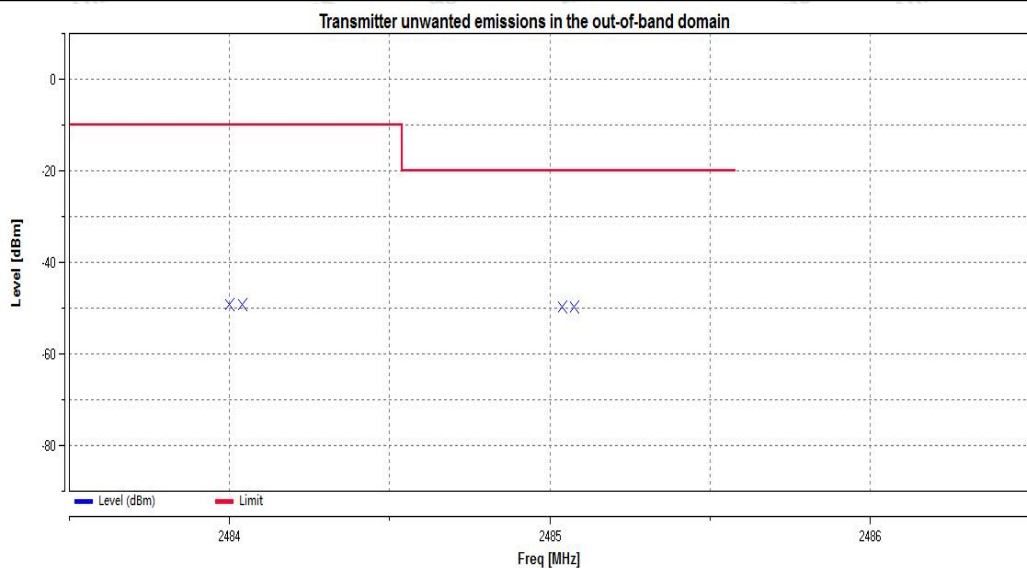


## Test Graphs

BLE\_1M\_Ant1\_2402\_2400MHz-2BW to 2400MHz



BLE\_1M\_Ant1\_2480\_2483.5MHz to 2483.5MHz+2BW



BLE\_2M\_Ant1\_2402\_2400MHz-2BW to 2400MHz

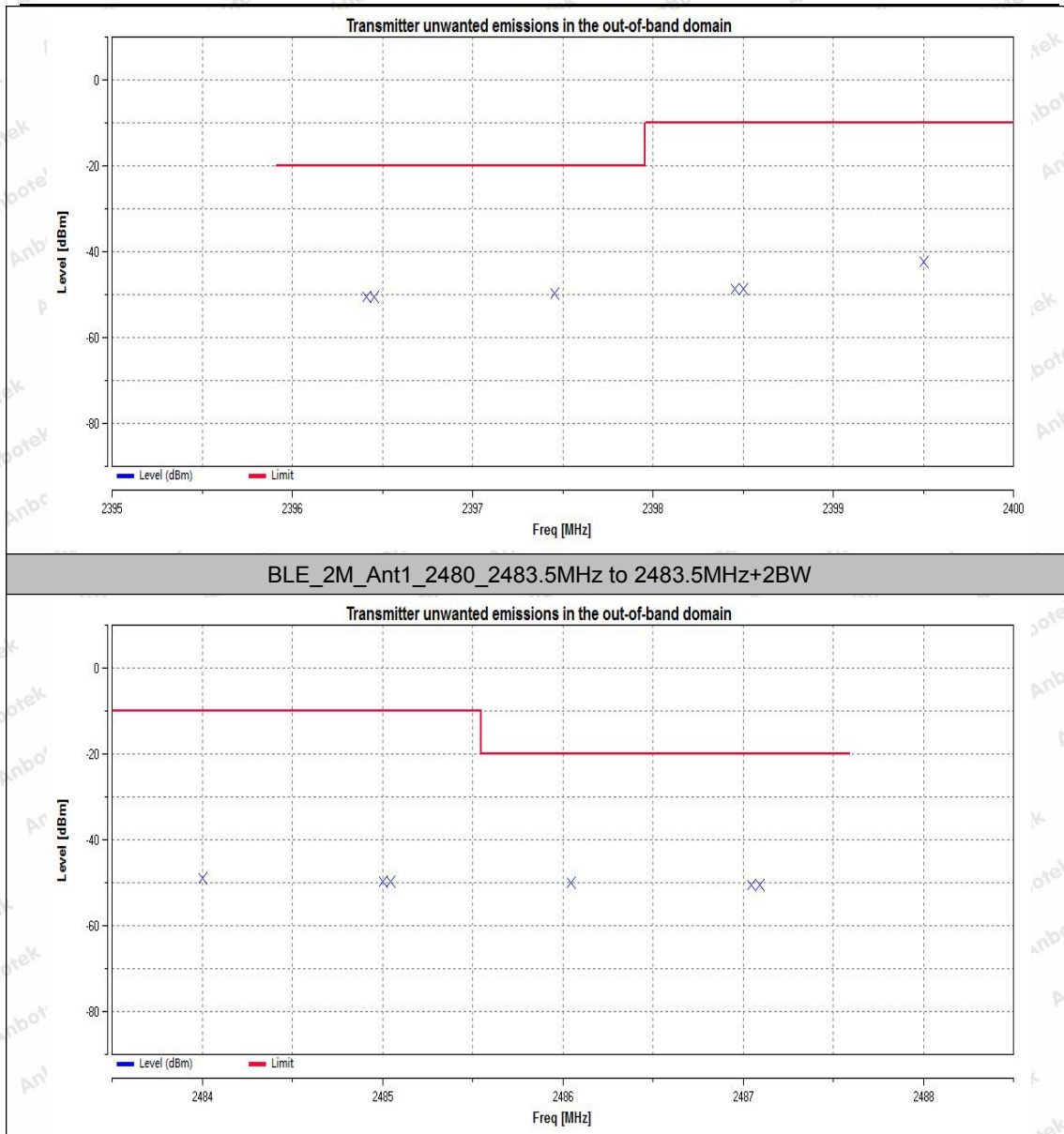
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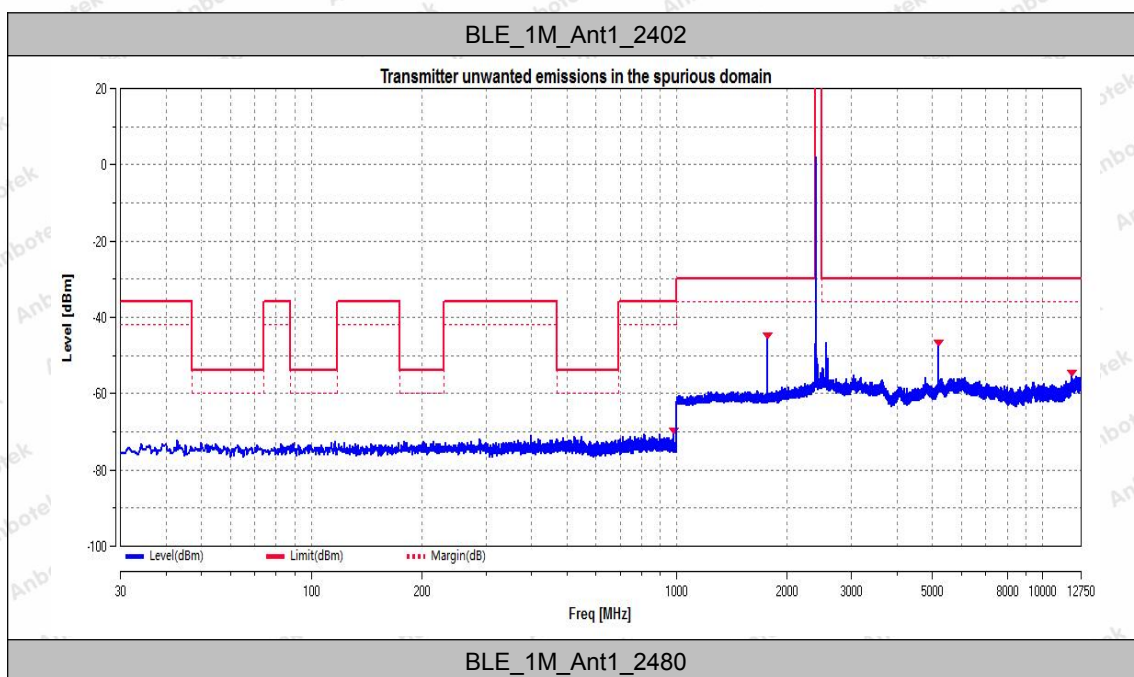


## Appendix E: Transmitter unwanted emissions in the spurious domain

### Test Result-Pre-scan

TestMode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	978.66	-70.51	-36.00	PASS
			1766.00	-45.74	-30.00	PASS
			5183.40	-47.53	-30.00	PASS
			12010.73	-55.52	-30.00	PASS
		2480	794.04	-69.80	-36.00	PASS
			2580.00	-48.37	-30.00	PASS
			5186.10	-52.70	-30.00	PASS
			12375.23	-55.00	-30.00	PASS
BLE_2M	Ant1	2402	930.81	-70.86	-36.00	PASS
			2395.67	-52.25	-30.00	PASS
			5199.00	-54.57	-30.00	PASS
			12053.28	-55.41	-30.00	PASS
		2480	858.06	-69.73	-36.00	PASS
			1746.33	-47.00	-30.00	PASS
			5180.10	-49.87	-30.00	PASS
			6044.32	-55.23	-30.00	PASS

### Test Graphs-Pre-scan



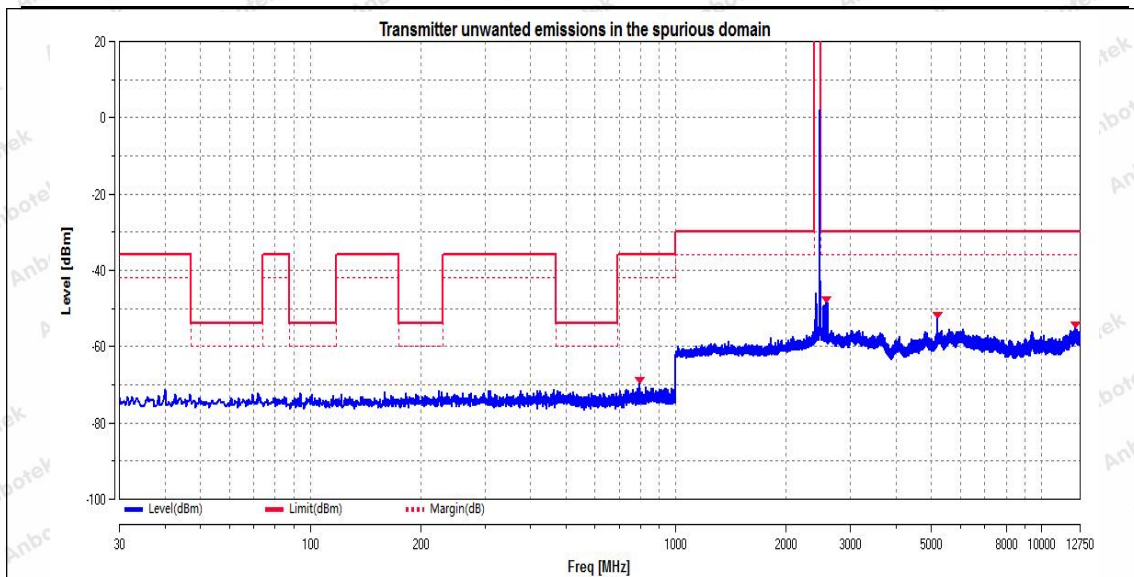
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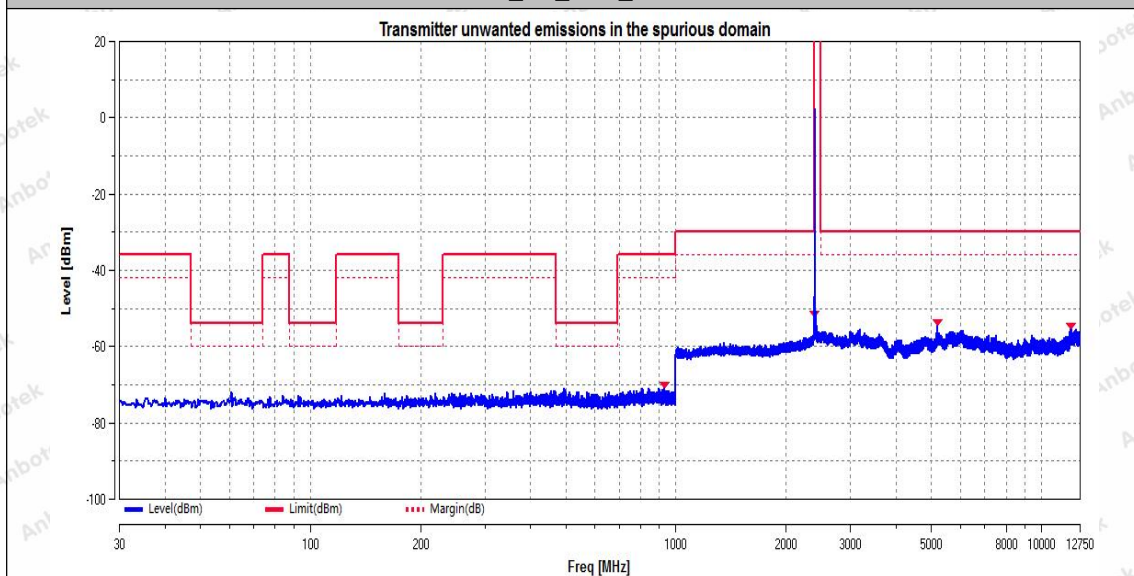


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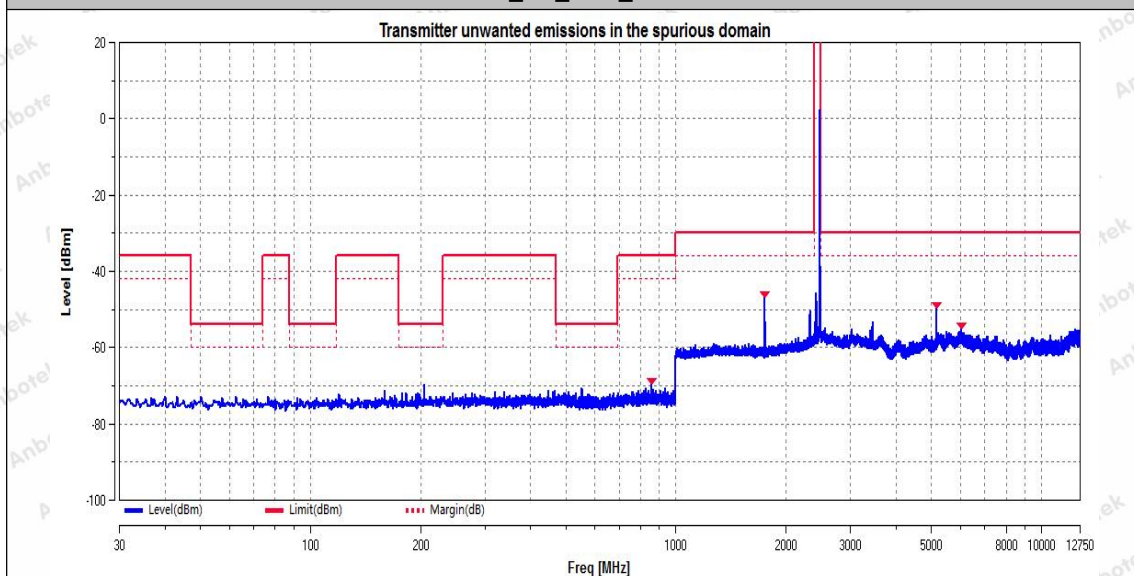




BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2480



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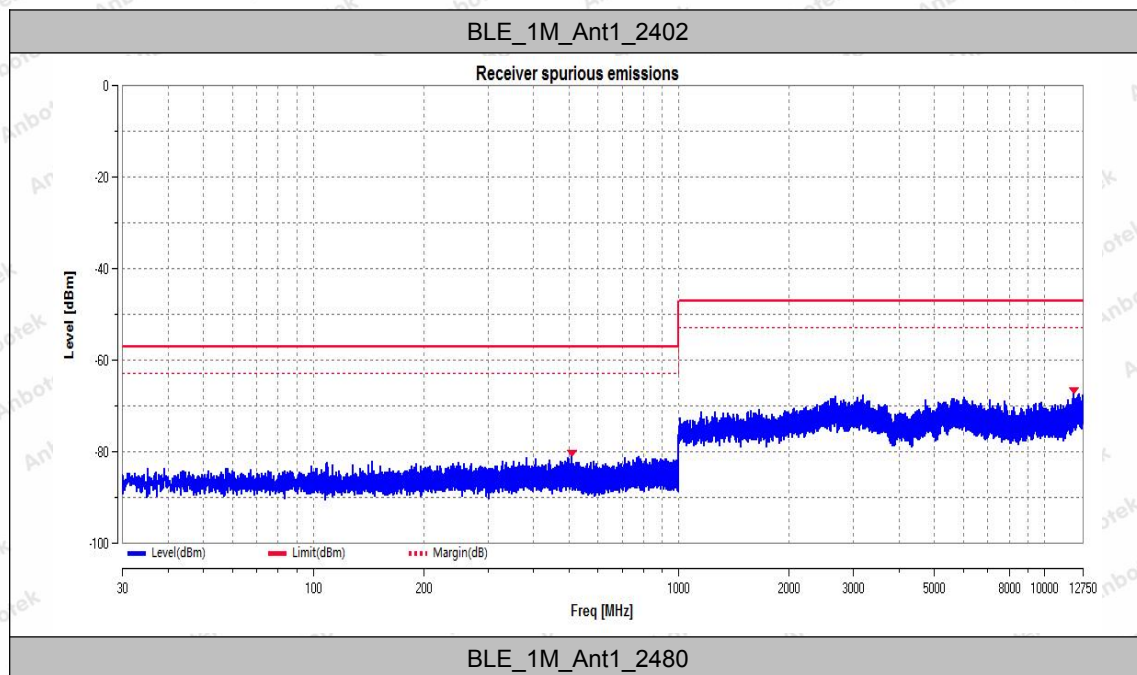


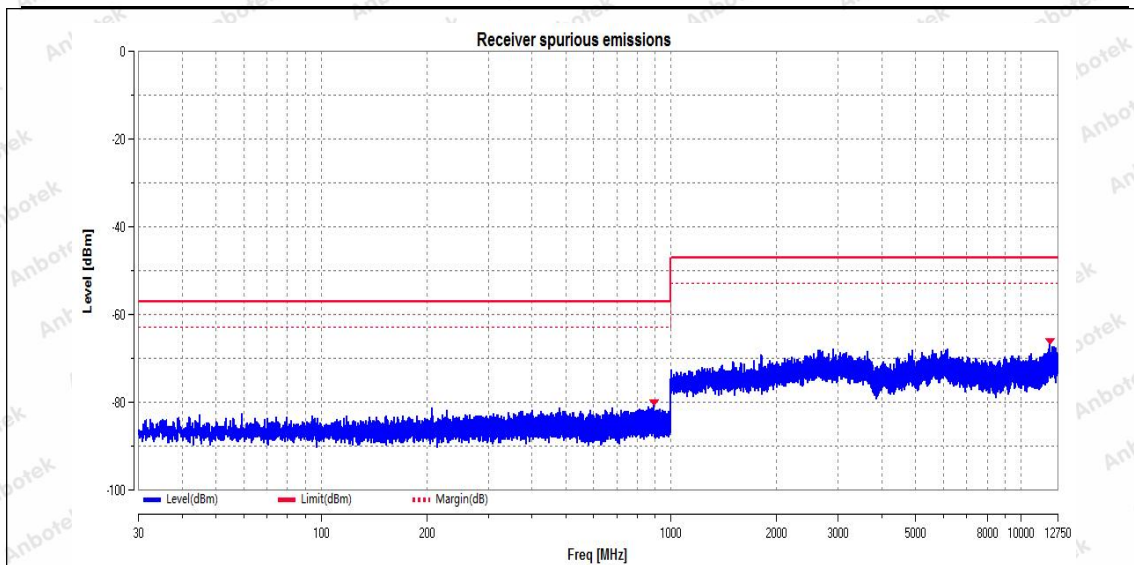
## Appendix F: Receiver spurious emissions

### Test Result-Pre-scan

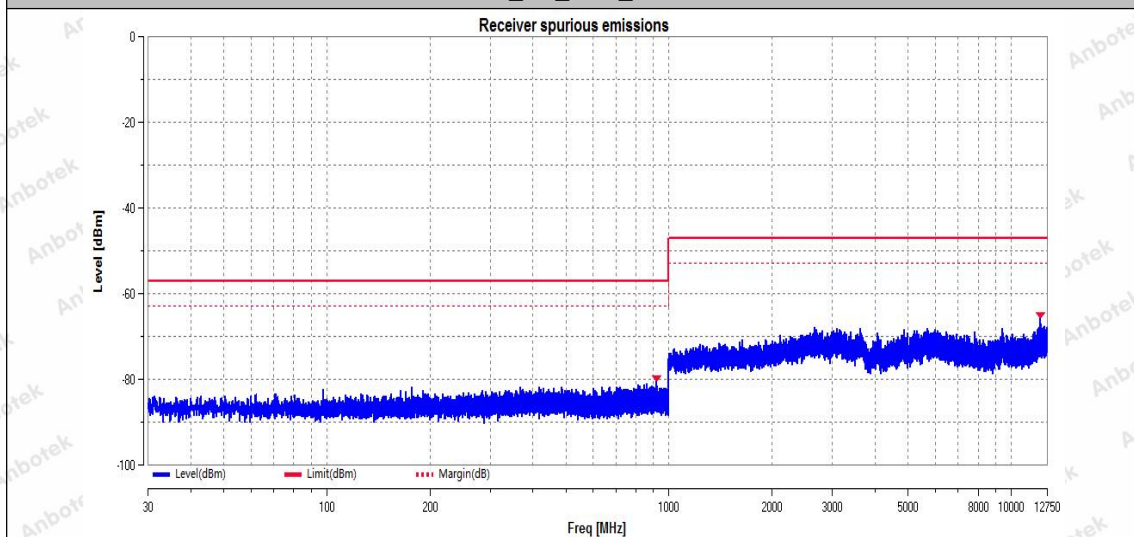
TestMode	Antenna	Frequency[MHz]	Freq. [MHz]	Level[dBm]	Limit[dBm]	Verdict
BLE_1M	Ant1	2402	509.52	-80.96	-57.00	PASS
			12019.54	-67.42	-47.00	PASS
		2480	894.03	-80.67	-57.00	PASS
			12103.75	-66.77	-47.00	PASS
BLE_2M	Ant1	2402	918.52	-80.57	-57.00	PASS
			12187.18	-65.70	-47.00	PASS
		2480	865.07	-80.40	-57.00	PASS
			5724.28	-67.06	-47.00	PASS

### Test Graphs-Pre-scan

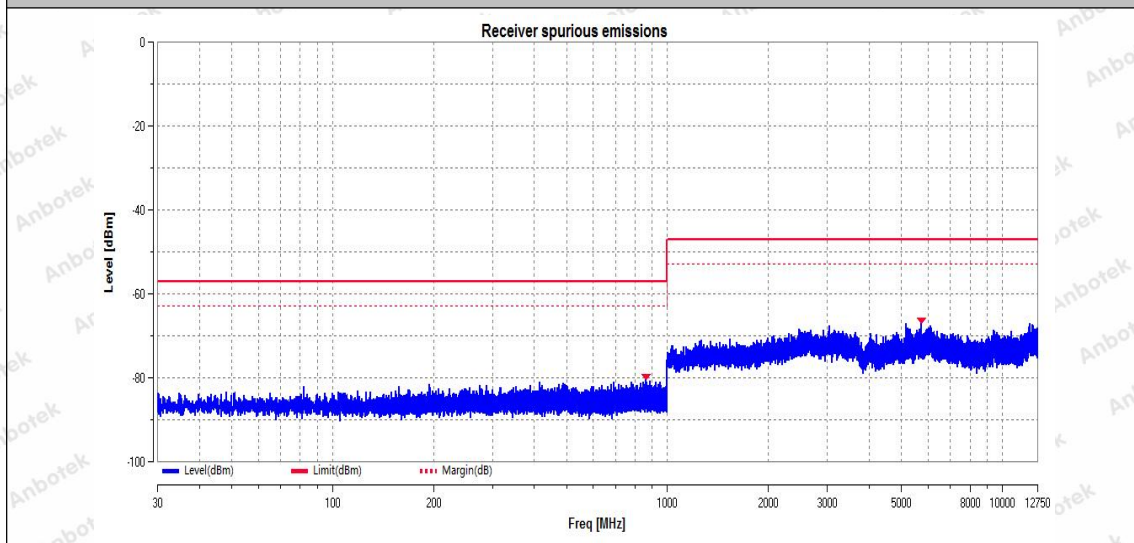




BLE\_2M\_Ant1\_2402



BLE\_2M\_Ant1\_2480



---END---

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