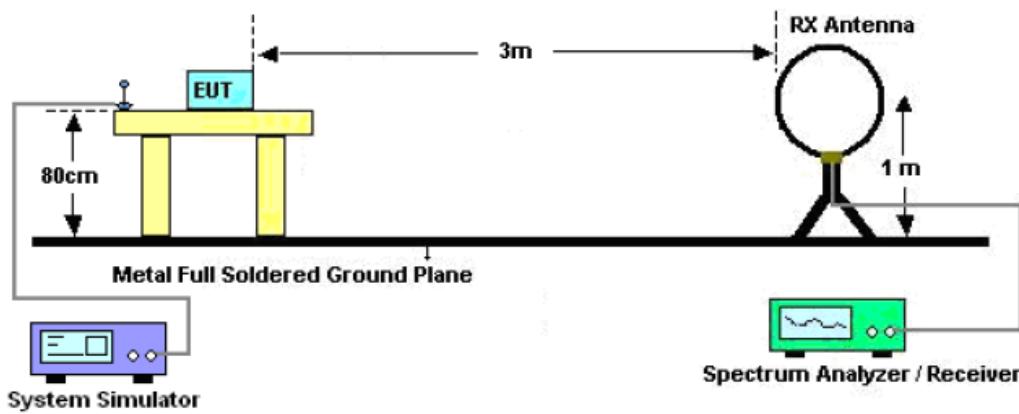
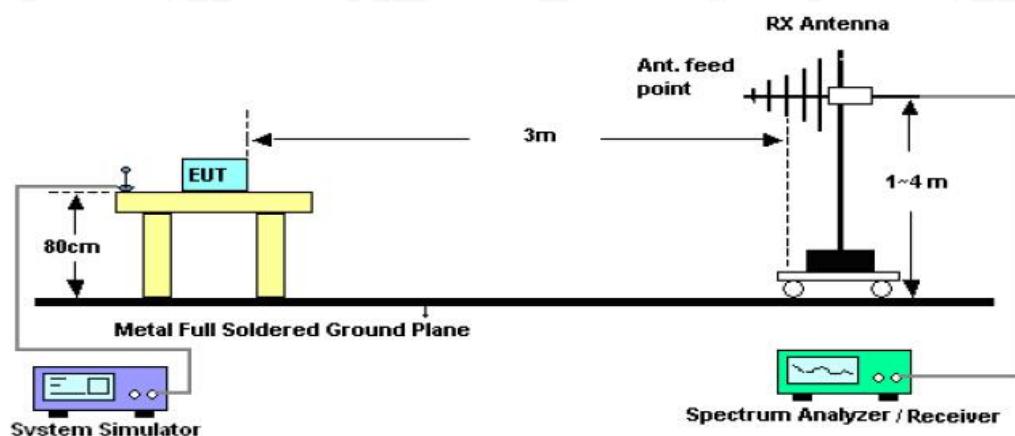


## 10.2. TEST SETUP

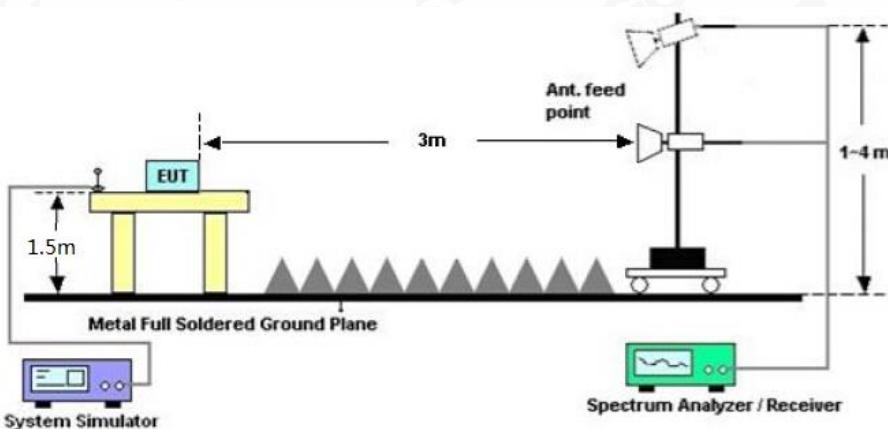
Radiated Emission Test-Setup Frequency Below 30MHz



RADIATED EMISSION TEST SETUP 30MHz-1000MHz



RADIATED EMISSION TEST SETUP ABOVE 1000MHz



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### 10.3. LIMITS AND MEASUREMENT RESULT

15.209 Limit in the below table has to be followed

Frequencies (MHz)	Field Strength (microvolts/meter)	Measurement Distance (meters)
0.009~0.490	2400/F(kHz)	300
0.490~1.705	24000/F(kHz)	30
1.705~30.0	30	30
30~88	100	3
88~216	150	3
216~960	200	3
Above 960	500	3

Note: All modes were tested for restricted band radiated emission, the test records reported below are the worst result compared to other modes.

### 10.4. TEST RESULT

#### Radiated emission below 30MHz

The amplitude of spurious emissions from 9kHz to 30MHz which are attenuated more than 20 dB below the permissible value need not be reported.

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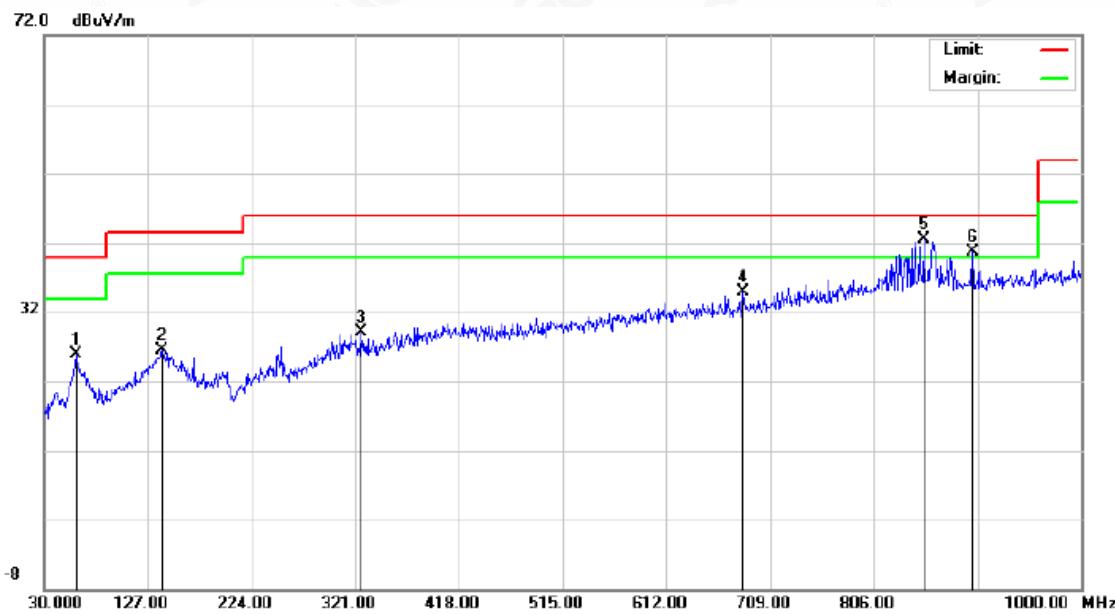
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## Radiated emission from 30MHz to 1000MHz

## Antenna 1

<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
			Level	Factor	ment		
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB
1		60.0700	6.09	19.85	25.94	40.00	-14.06 peak
2		140.5800	5.24	21.17	26.41	43.50	-17.09 peak
3		326.8199	6.73	22.41	29.14	46.00	-16.86 peak
4		683.7798	6.94	27.96	34.90	46.00	-11.10 peak
5	*	852.5599	11.51	31.09	42.60	46.00	-3.40 peak
6	!	898.1499	8.95	31.68	40.63	46.00	-5.37 peak

RESULT: PASS

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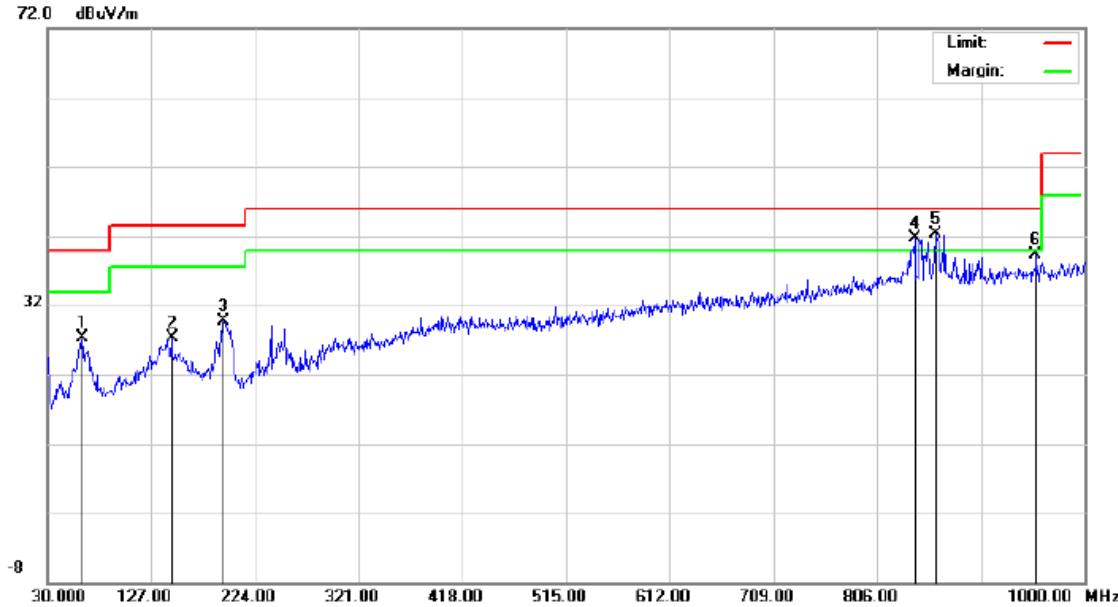
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<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over	
			Level	Factor	ment			
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		62.9799	8.35	19.05	27.40	40.00	-12.60	peak
2		146.4000	6.64	20.58	27.22	43.50	-16.28	peak
3		194.9000	15.60	14.10	29.70	43.50	-13.80	peak
4	!	840.9198	10.76	30.94	41.70	46.00	-4.30	peak
5	*	860.3200	11.02	31.19	42.21	46.00	-3.79	peak
6		954.4098	7.06	32.17	39.23	46.00	-6.77	peak

**RESULT: PASS**

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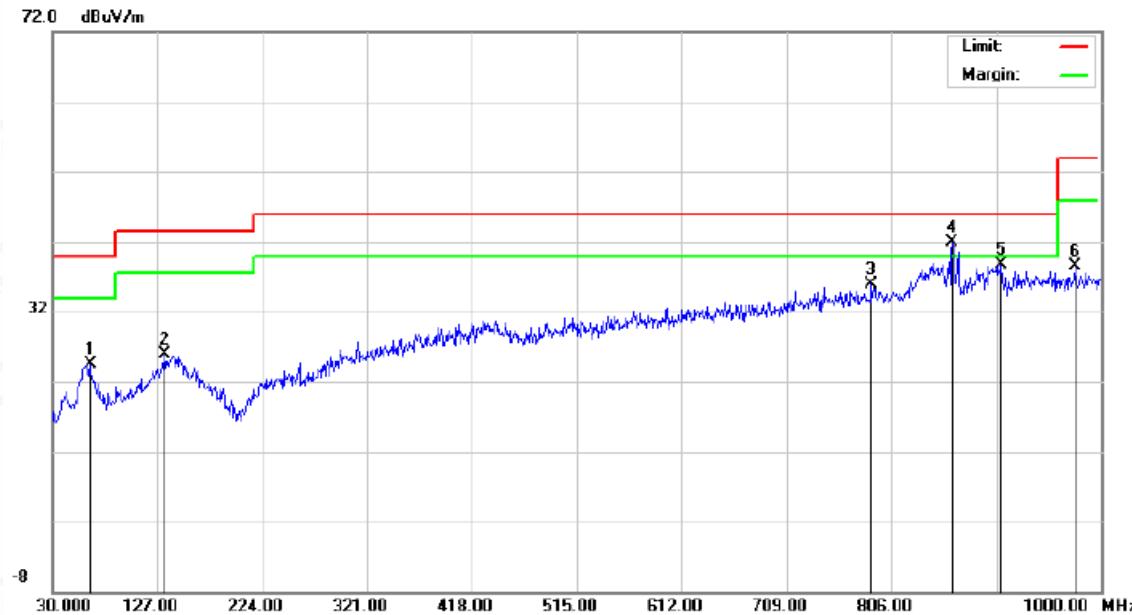
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**Antenna 2**

<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal



No.	Mk.	Freq.	Reading	Correct	Measure-	Limit	Over
			Level	Factor	ment		
		MHz	dBuV	dB	dBuV/m	dB	Detector
1		64.9200	5.92	18.51	24.43	40.00	-15.57 peak
2		133.7899	5.67	20.22	25.89	43.50	-17.61 peak
3		787.5700	5.72	30.13	35.85	46.00	-10.15 peak
4	*	862.2599	10.61	31.21	41.82	46.00	-4.18 peak
5		907.8500	6.87	31.77	38.64	46.00	-7.36 peak
6		975.7500	6.14	32.35	38.49	54.00	-15.51 peak

**RESULT: PASS**

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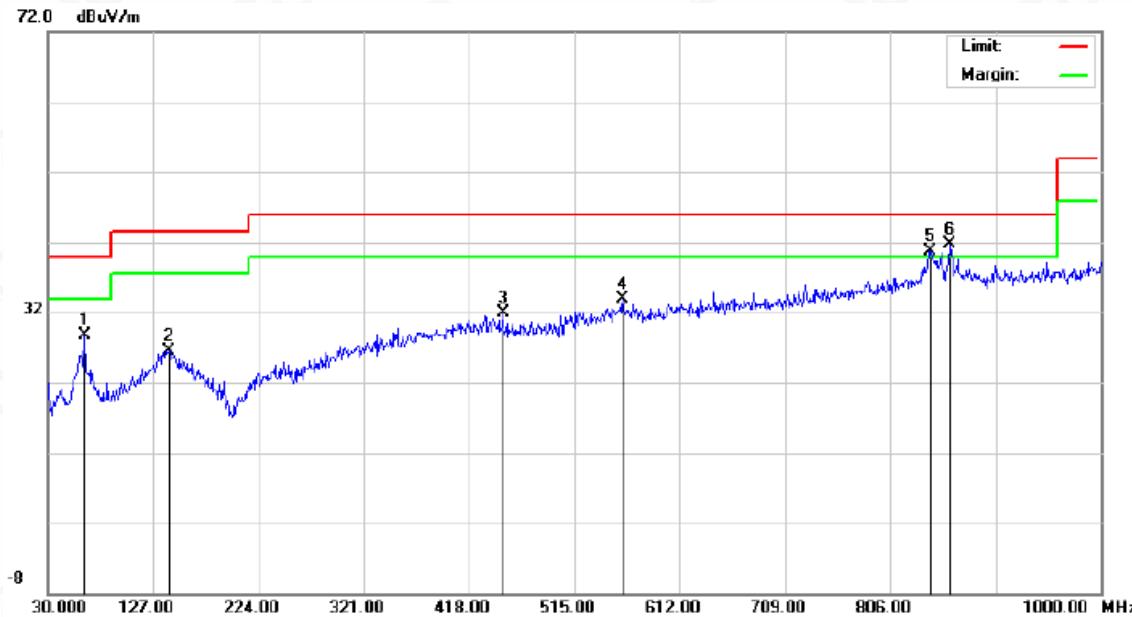
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<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical



No.	Mk.	Freq.	Reading Level	Correct Factor	Measure-ment	Limit	Over	
		MHz	dBuV	dB	dBuV/m	dBuV/m	dB	Detector
1		63.9500	9.91	18.78	28.69	40.00	-11.31	peak
2		141.5500	5.42	21.07	26.49	43.50	-17.01	peak
3		449.0400	6.98	24.98	31.96	46.00	-14.04	peak
4		559.6200	7.83	26.16	33.99	46.00	-12.01	peak
5	!	842.8600	9.82	30.96	40.78	46.00	-5.22	peak
6	*	861.2898	10.47	31.20	41.67	46.00	-4.33	peak

## RESULT: PASS

**Note:** 1. Factor=Antenna Factor + Cable loss, Margin=Measurement-Limit.

2. All test modes had been pre-tested. The mode 1 is the worst case and recorded in the report.

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## Radiated emission above 1GHz

<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dB $\mu$ V)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)	
4804.000	45.26	0.08	45.34	74	-28.66	peak
4804.000	36.57	0.08	36.65	54	-17.35	AVG
7206.000	40.25	2.21	42.46	74	-31.54	peak
7206.000	31.59	2.21	33.8	54	-20.2	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical

Frequency	Meter Reading	Factor	Emission Level	Limits	Margin	Value Type
(MHz)	(dB $\mu$ V)	(dB)	(dB $\mu$ V/m)	(dB $\mu$ V/m)	(dB)	
4804.000	44.93	0.08	45.01	74	-28.99	peak
4804.000	36.27	0.08	36.35	54	-17.65	AVG
7206.000	40.28	2.21	42.49	74	-31.51	peak
7206.000	30.94	2.21	33.15	54	-20.85	AVG

Remark:

Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 2	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor (dB)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Value Type
4882.000	46.38	0.14	46.52	74	-27.48	peak
4882.000	36.25	0.14	36.39	54	-17.61	AVG
7323.000	41.28	2.36	43.64	74	-30.36	peak
7323.000	32.37	2.36	34.73	54	-19.27	AVG

Remark:  
 Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 2	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor (dB)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Value Type
4882.000	46.28	0.14	46.42	74	-27.58	peak
4882.000	37.31	0.14	37.45	54	-16.55	AVG
7323.000	40.26	2.36	42.62	74	-31.38	peak
7323.000	31.59	2.36	33.95	54	-20.05	AVG

Remark:  
 Factor = Antenna Factor + Cable Loss – Pre-amplifier.

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<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Horizontal

Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor (dB)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Value Type
4960.000	46.29	0.22	46.51	74	-27.49	
4960.000	37.24	0.22	37.46	54	-16.54	AVG
7440.000	40.71	2.64	43.35	74	-30.65	peak
7440.000	31.05	2.64	33.69	54	-20.31	AVG

Remark:  
 Factor = Antenna Factor + Cable Loss – Pre-amplifier.

<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Vertical

Frequency (MHz)	Meter Reading (dB $\mu$ V)	Factor (dB)	Emission Level (dB $\mu$ V/m)	Limits (dB $\mu$ V/m)	Margin (dB)	Value Type
4960.000	47.25	0.22	47.47	74	-26.53	
4960.000	38.34	0.22	38.56	54	-15.44	AVG
7440.000	42.54	2.64	45.18	74	-28.82	peak
7440.000	32.67	2.64	35.31	54	-18.69	AVG

Remark:  
 Factor = Antenna Factor + Cable Loss – Pre-amplifier.

## RESULT: PASS

### Note:

The amplitude of other spurious emissions from 1G to 25 GHz which are attenuated more than 20 dB below the permissible value need not be reported.

Factor = Antenna Factor + Cable loss - Amplifier gain, Over=Measure-Limit.

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The “Factor” value can be calculated automatically by software of measurement system.

All test modes had been tested. The GFSK modulation of antenna 1 is the worst case and recorded in the report.

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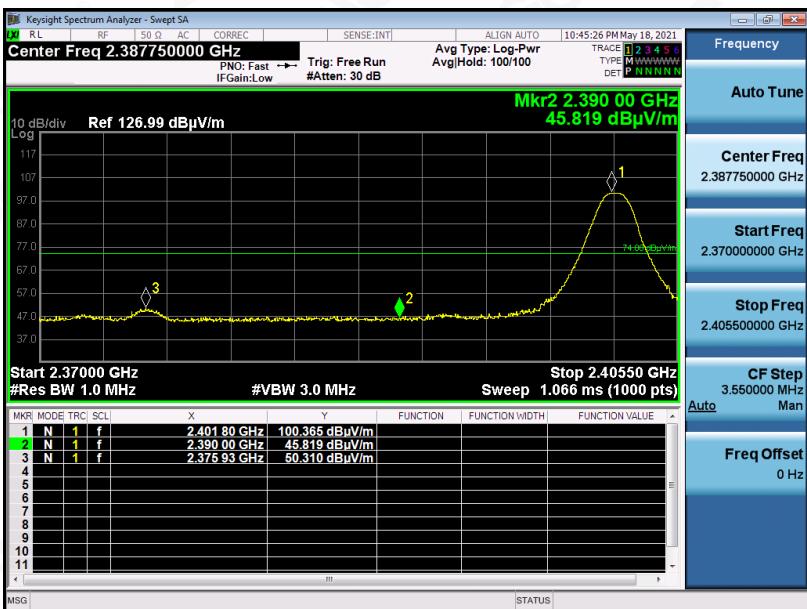


## Test result for band edge emission at restricted bands

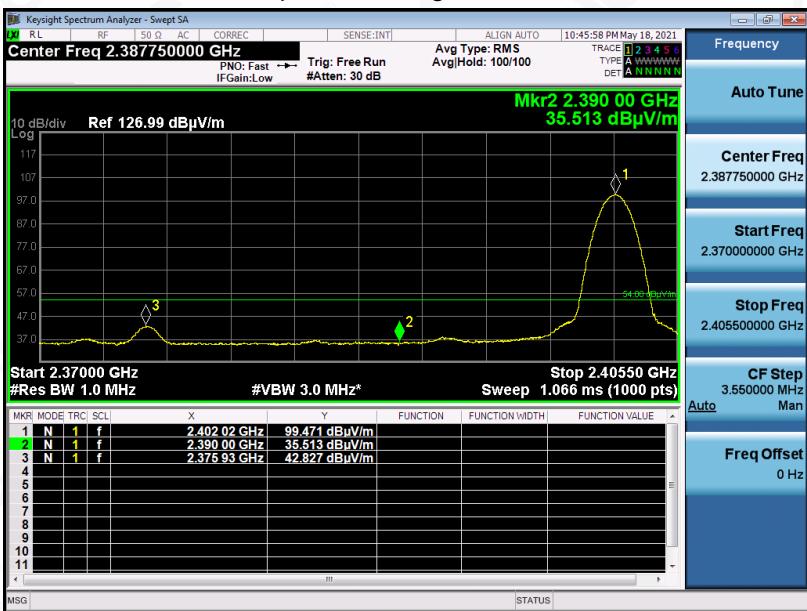
## Antenna 1

<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

## Test Graph for Peak Measurement



## Test Graph for Average Measurement



RESULT: PASS

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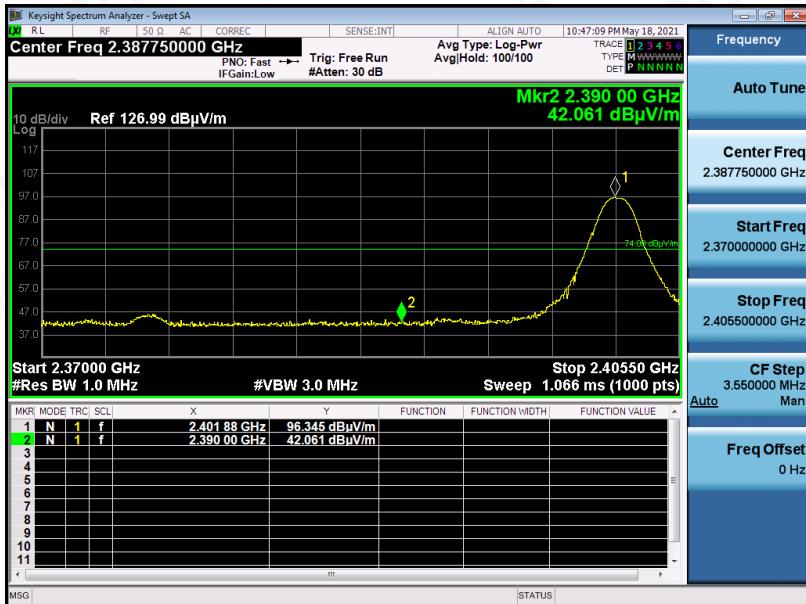
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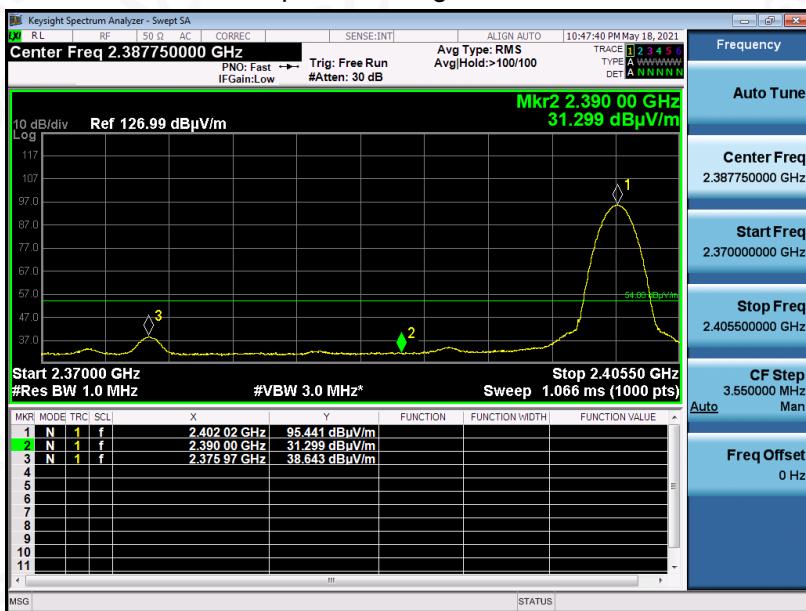


<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical

## Test Graph for Peak Measurement



## Test Graph for Average Measurement



RESULT: PASS

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

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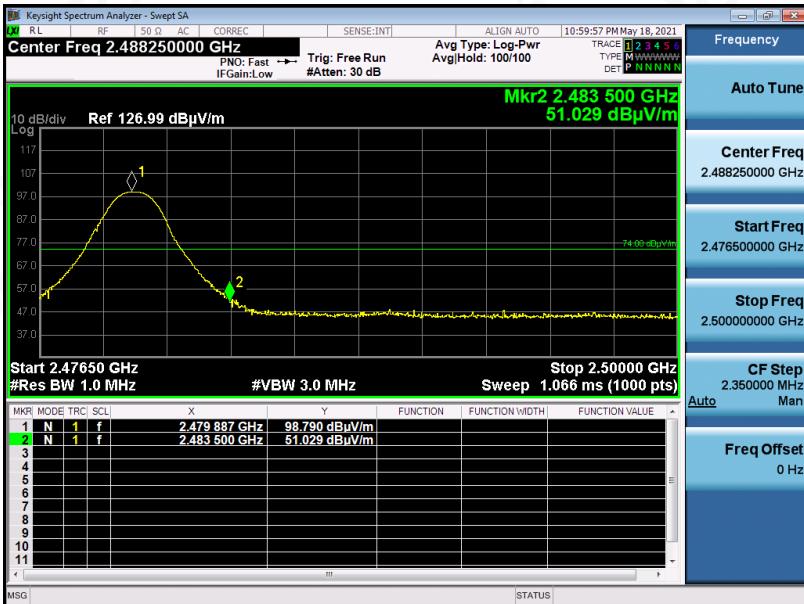
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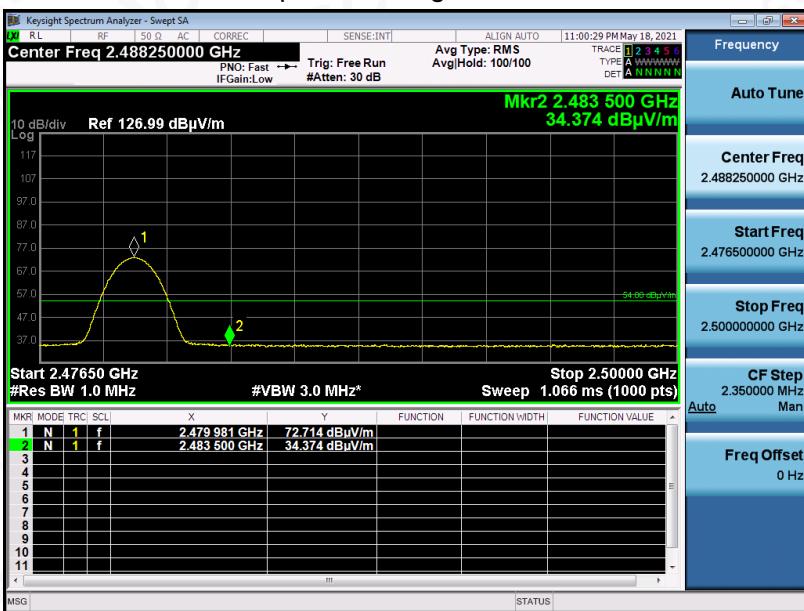


<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Horizontal

## Test Graph for Peak Measurement



## Test Graph for Average Measurement



## RESULT: PASS

Any report having not been signed by authorized approver, or having been altered without authorization, or having not been stamped by the "Dedicated Testing/Inspection Stamp" is deemed to be invalid. Copying or excerpting portion of, or altering the content of the report is not permitted without the written authorization of AGC. The test results presented in the report apply only to the tested sample. Any objections to report issued by AGC should be submitted to AGC within 15 days after the issuance of the test report. Further enquiry of validity or verification of the test report should be addressed to AGC by agc@agc-cert.com.

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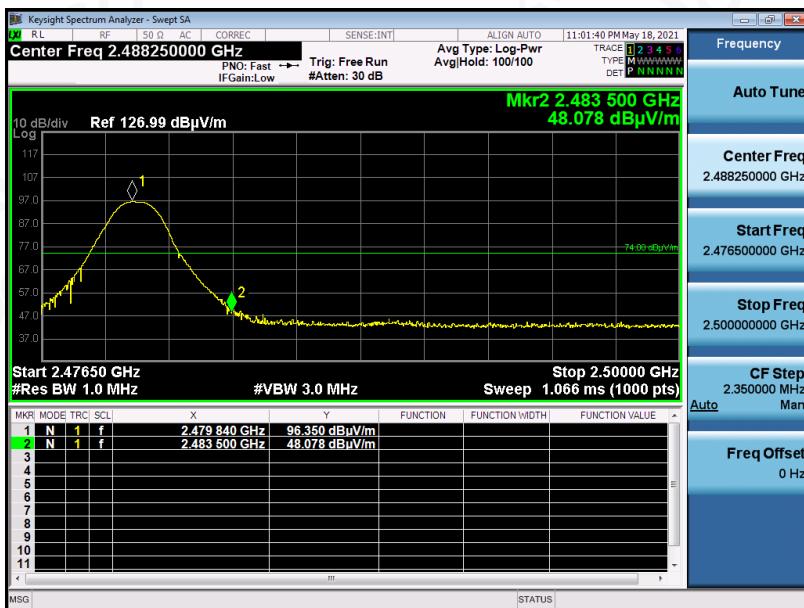
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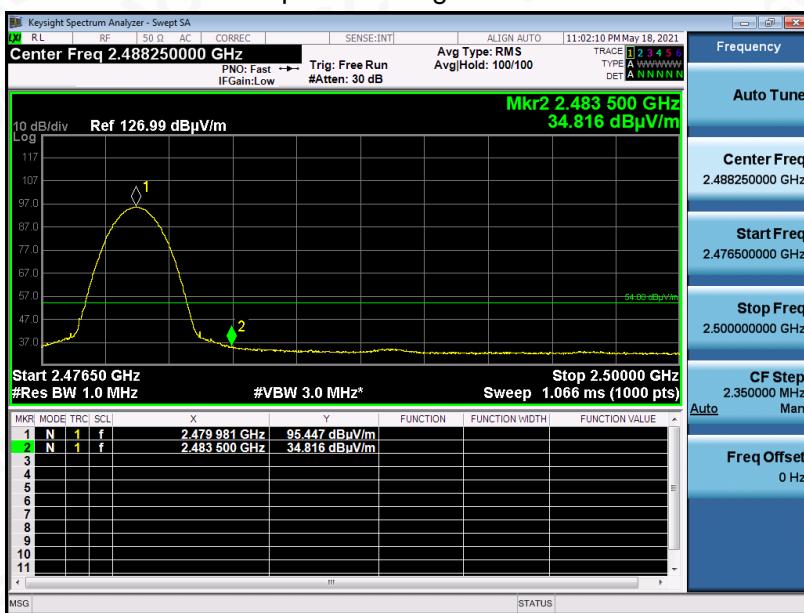


<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Vertical

## Test Graph for Peak Measurement



## Test Graph for Average Measurement



RESULT: PASS

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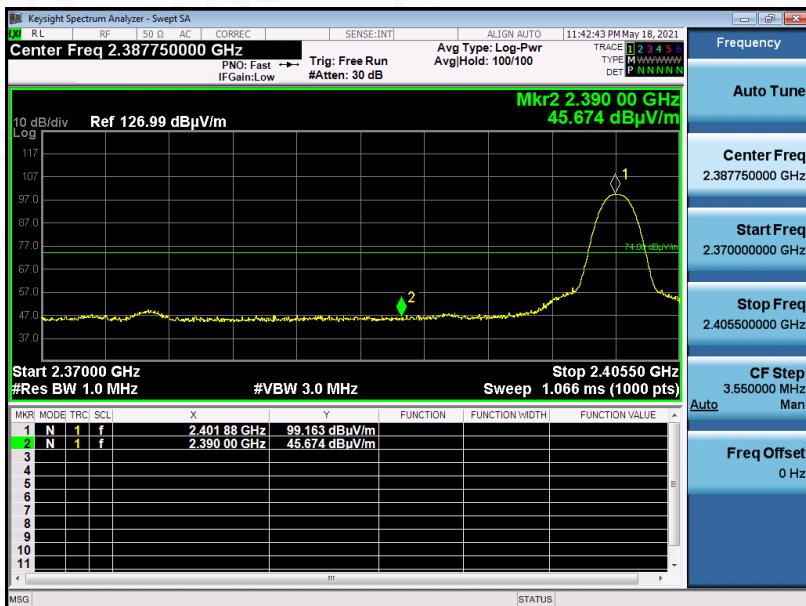
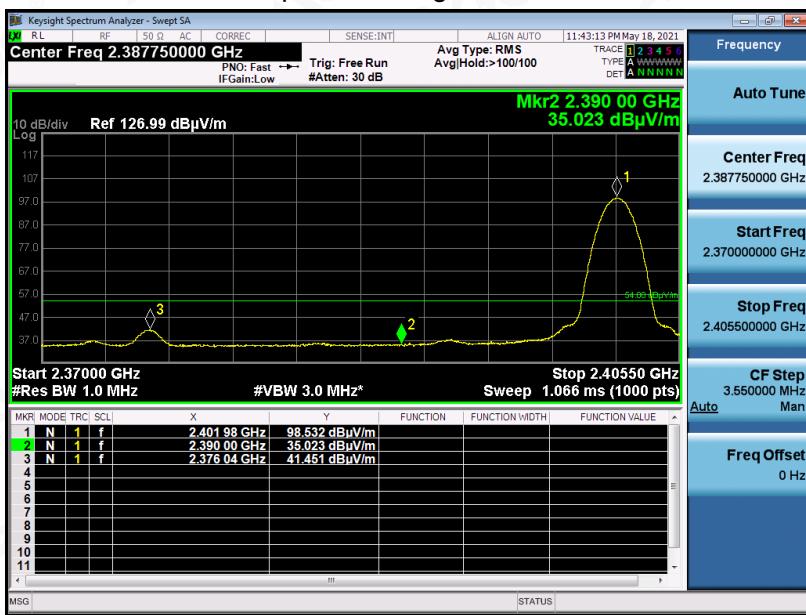
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**Antenna 2**

<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Horizontal

**Test Graph for Peak Measurement**

**Test Graph for Average Measurement**

**RESULT: PASS**

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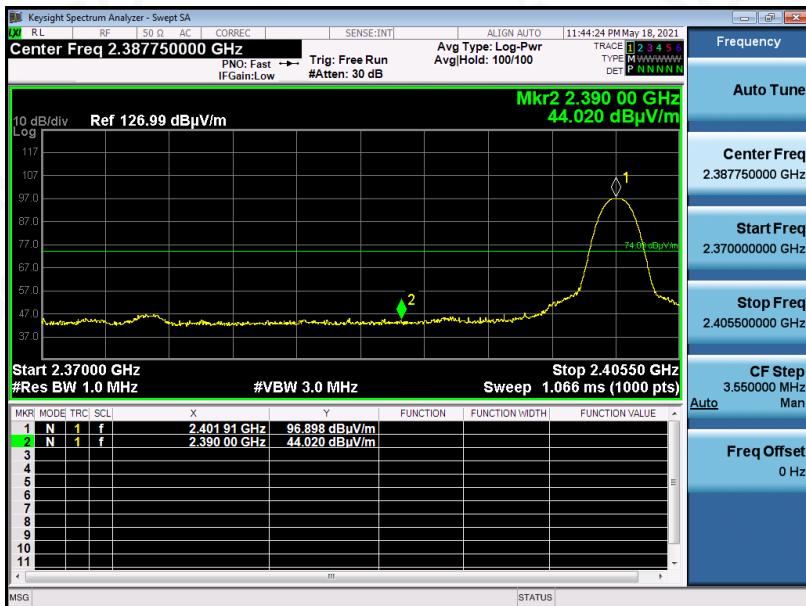
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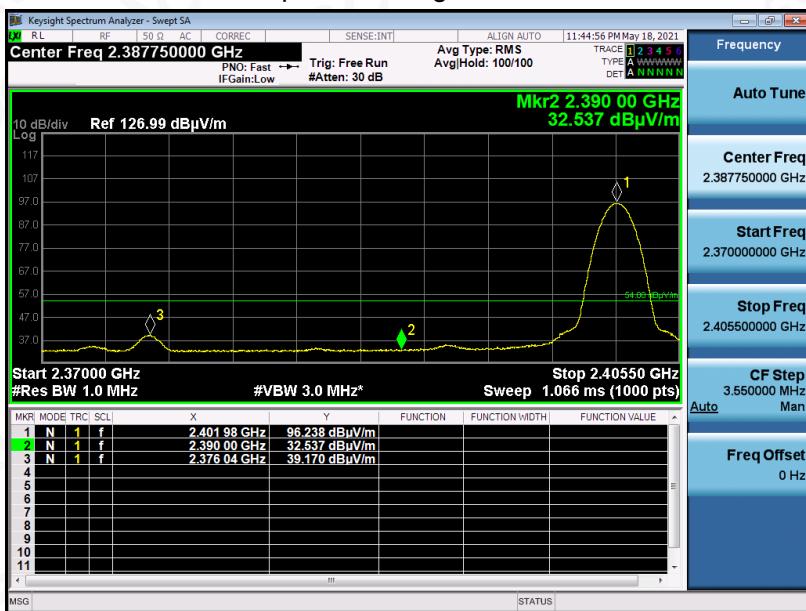


<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 1	<b>Antenna</b>	Vertical

## Test Graph for Peak Measurement



## Test Graph for Average Measurement



RESULT: PASS

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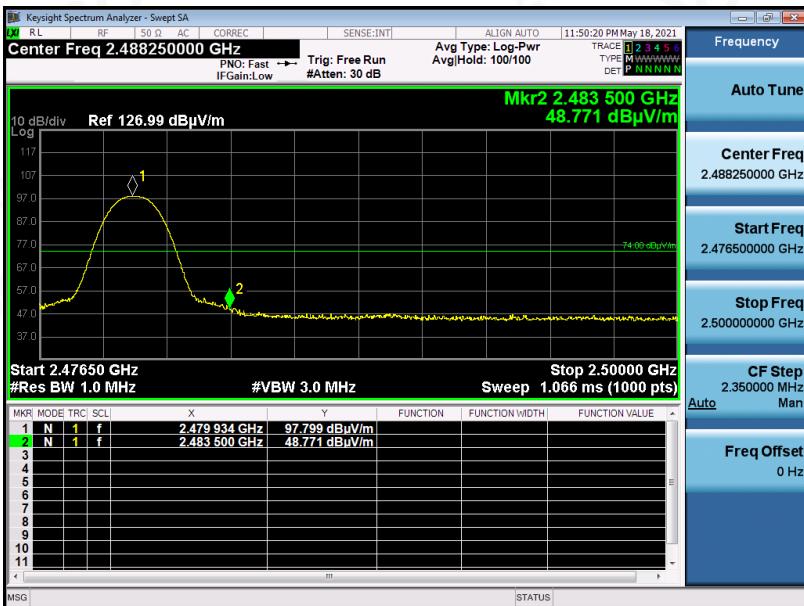
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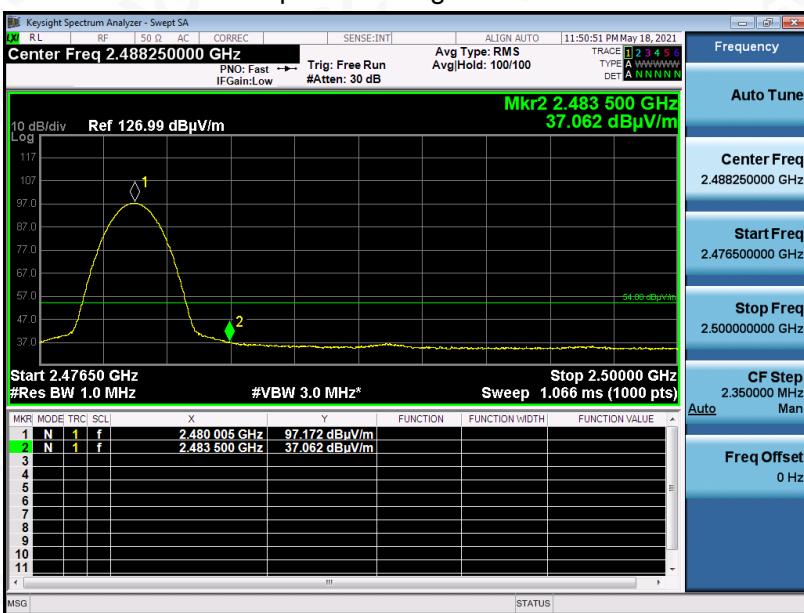


<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Horizontal

## Test Graph for Peak Measurement



## Test Graph for Average Measurement



RESULT: PASS

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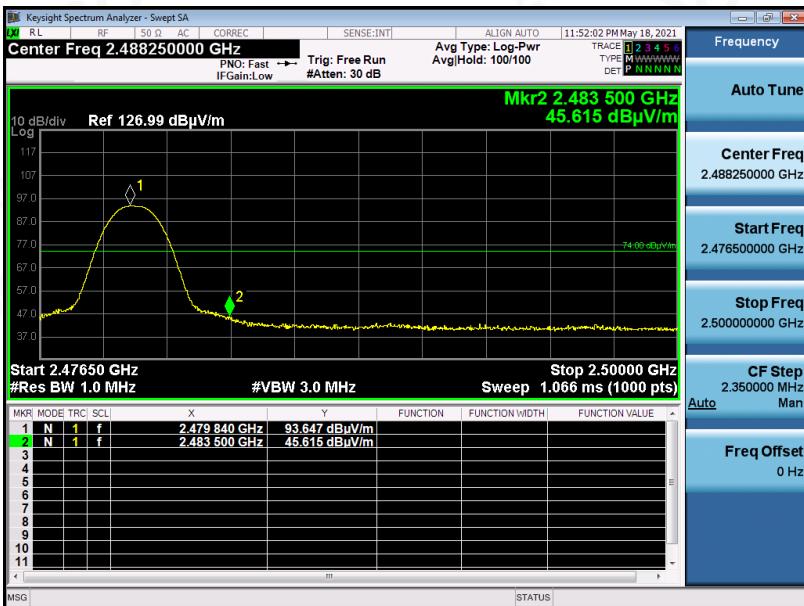
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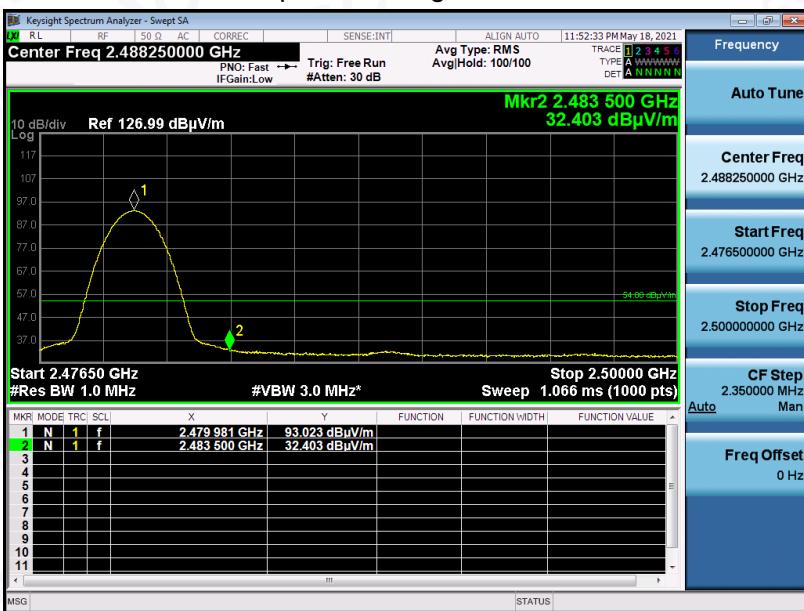


<b>EUT</b>	Wireless Bluetooth Audio Receiver	<b>Model Name</b>	MB12HD
<b>Temperature</b>	25°C	<b>Relative Humidity</b>	55.4%
<b>Pressure</b>	960hPa	<b>Test Voltage</b>	Normal Voltage
<b>Test Mode</b>	Mode 3	<b>Antenna</b>	Vertical

Test Graph for Peak Measurement



Test Graph for Average Measurement



## RESULT: PASS

Note: The factor had been edited in the "Input Correction" of the Spectrum Analyzer. The GFSK modulation is the worst case and recorded in the report.

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## 11. NUMBER OF HOPPING FREQUENCY

### 11.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span: The frequency band of operation. Depending on the number of channels the device supports, it may be necessary to divide the frequency range of operation across multiple spans, to allow the individual channels to be clearly seen.
2. RBW: To identify clearly the individual channels, set the RBW to less than 30% of the channel spacing or the 20 dB bandwidth, whichever is smaller.
3. VBW  $\geq$  RBW. Sweep: Auto. Detector function: Peak. Trace: Max hold.
4. Allow the trace to stabilize.

### 11.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 8.2

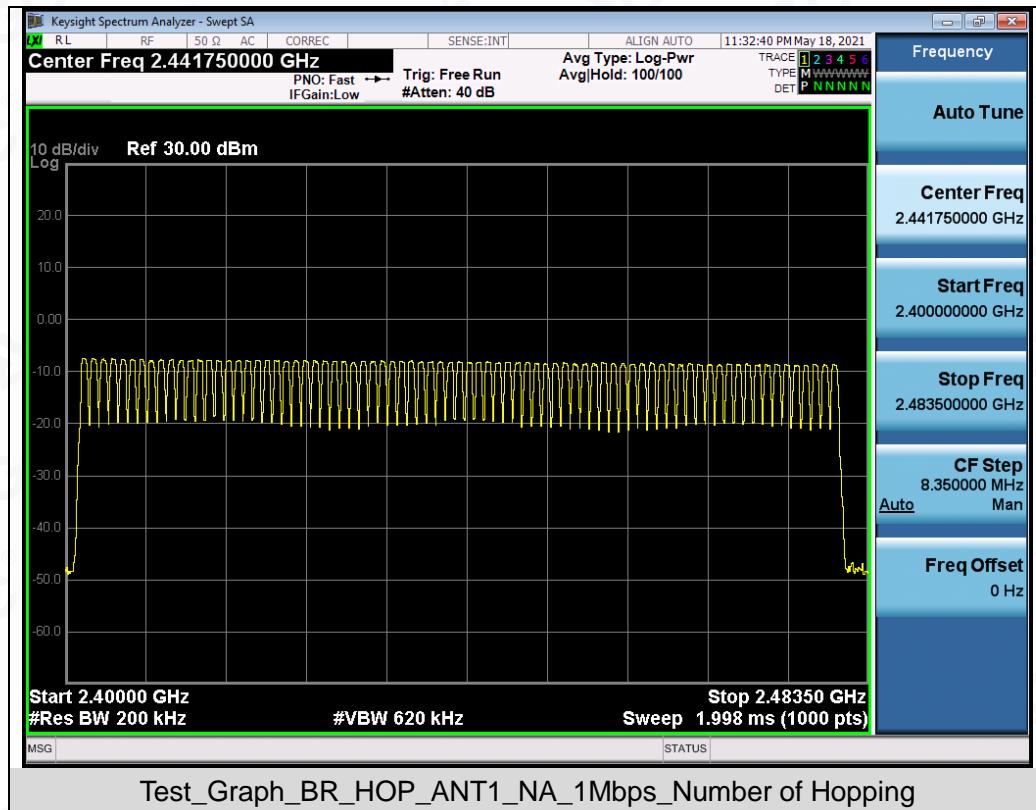
### 11.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

### 11.4. LIMITS AND MEASUREMENT RESULT

Test Data of Number of Hopping Frequency-antenna 1			
Test Mode	Number of Hopping Frequency	Limits	Pass or Fail
GFSK Hopping	79	>=15	Pass

### Test Graphs of Number of Hopping Frequency



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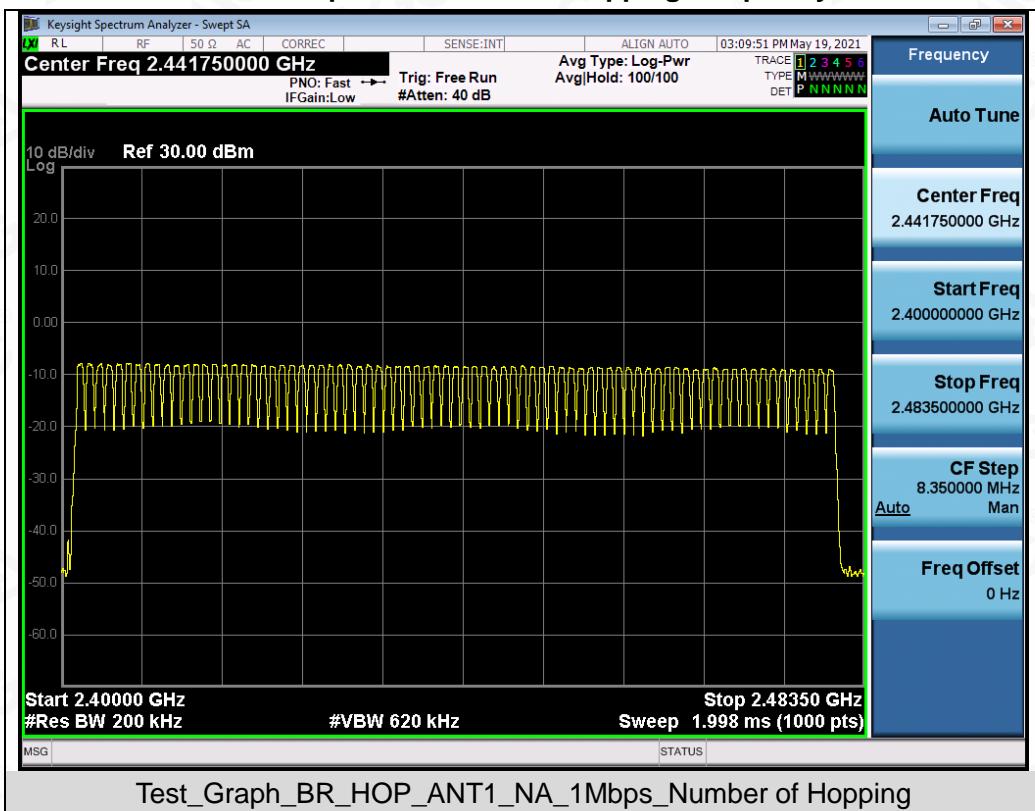
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Test Data of Number of Hopping Frequency-antenna 2			
Test Mode	Number of Hopping Frequency	Limits	Pass or Fail
GFSK Hopping	79	>=15	Pass

## Test Graphs of Number of Hopping Frequency



Note: The GFSK modulation is the worst case and recorded in the report.

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## 12. TIME OF OCCUPANCY (DWELL TIME)

### 12.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span: Zero span, centered on a hopping channel.
2. RBW shall be  $\leq$  channel spacing and where possible RBW should be set  $\gg 1 / T$ , where T is the expected dwell time per channel.
3. Sweep: As necessary to capture the entire dwell time per hopping channel; where possible use a video trigger and trigger delay so that the transmitted signal starts a little to the right of the start of the plot. The trigger level might need slight adjustment to prevent triggering when the system hops on an adjacent channel; a second plot might be needed with a longer sweep time to show two successive hops on a channel.
4. Detector function: Peak. Trace: Max hold.
5. Use the marker-delta function to determine the transmit time per hop.
6. Repeat the measurement using a longer sweep time to determine the number of hops over the period specified in the requirements. The sweep time shall be equal to, or less than, the period specified in the requirements. Determine the number of hops over the sweep time and calculate the total number of hops in the period specified in the requirements, using the following equation:

(Number of hops in the period specified in the requirements) = (number of hops on spectrum analyzer)  $\times$  (period specified in the requirements / analyzer sweep time)

7. The average time of occupancy is calculated from the transmit time per hop multiplied by the number of hops in the period specified in the requirements.

### 12.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 8.2

### 12.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

### 12.4. LIMITS AND MEASUREMENT RESULT

Test Data of Dwell Time-antenna 1					
Channel	Time of Pulse for DH5 (ms)	Number of hops in the period specified in the requirements	Sweep Time (ms)	Limit (ms)	Pass or Fail
2402	2.893	26*4	300.872	400	Pass
2441	2.893	24*4	277.728	400	Pass
2480	2.893	29*4	335.588	400	Pass

Note: The GFSK modulation is the worst case and recorded in the report.

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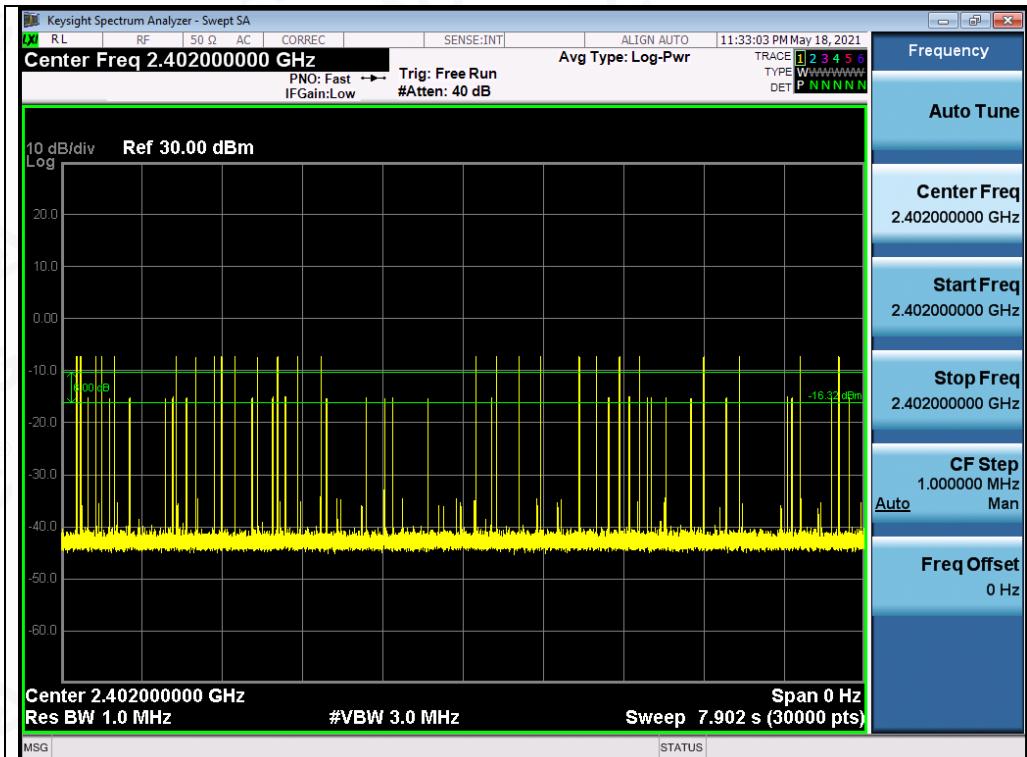
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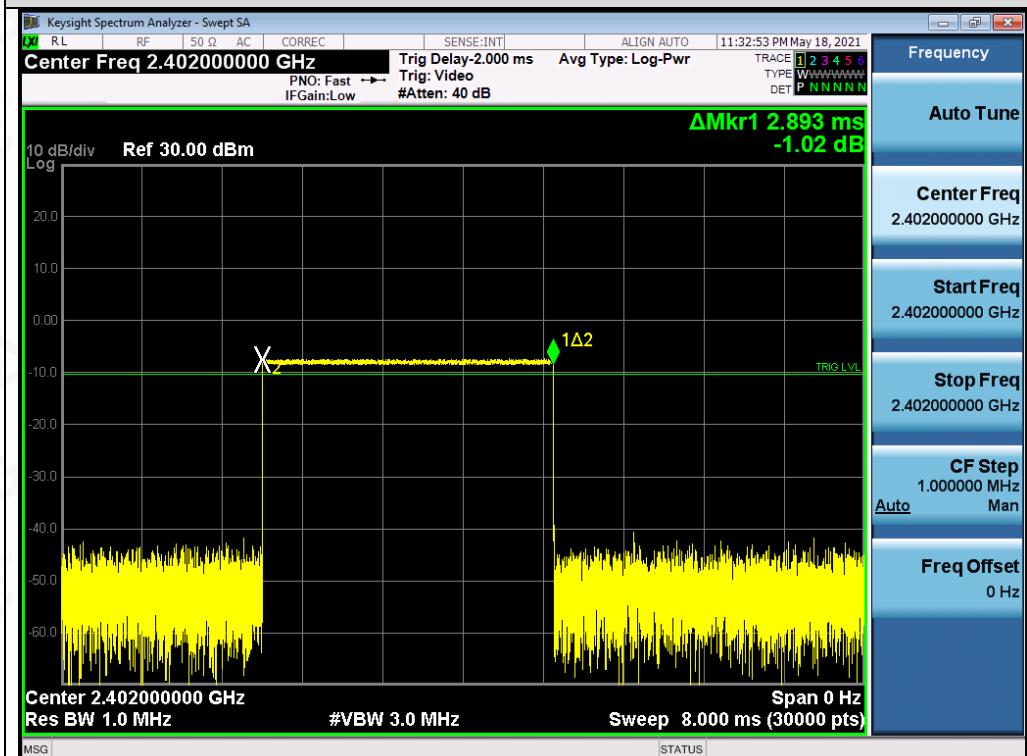
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## Test Graphs of Dwell Time



Test\_Graph\_BR\_HOP\_ANT1\_NA\_1Mbps\_2402\_Number of Burst



Test\_Graph\_BR\_HOP\_ANT1\_NA\_1Mbps\_2402\_Time per Burst

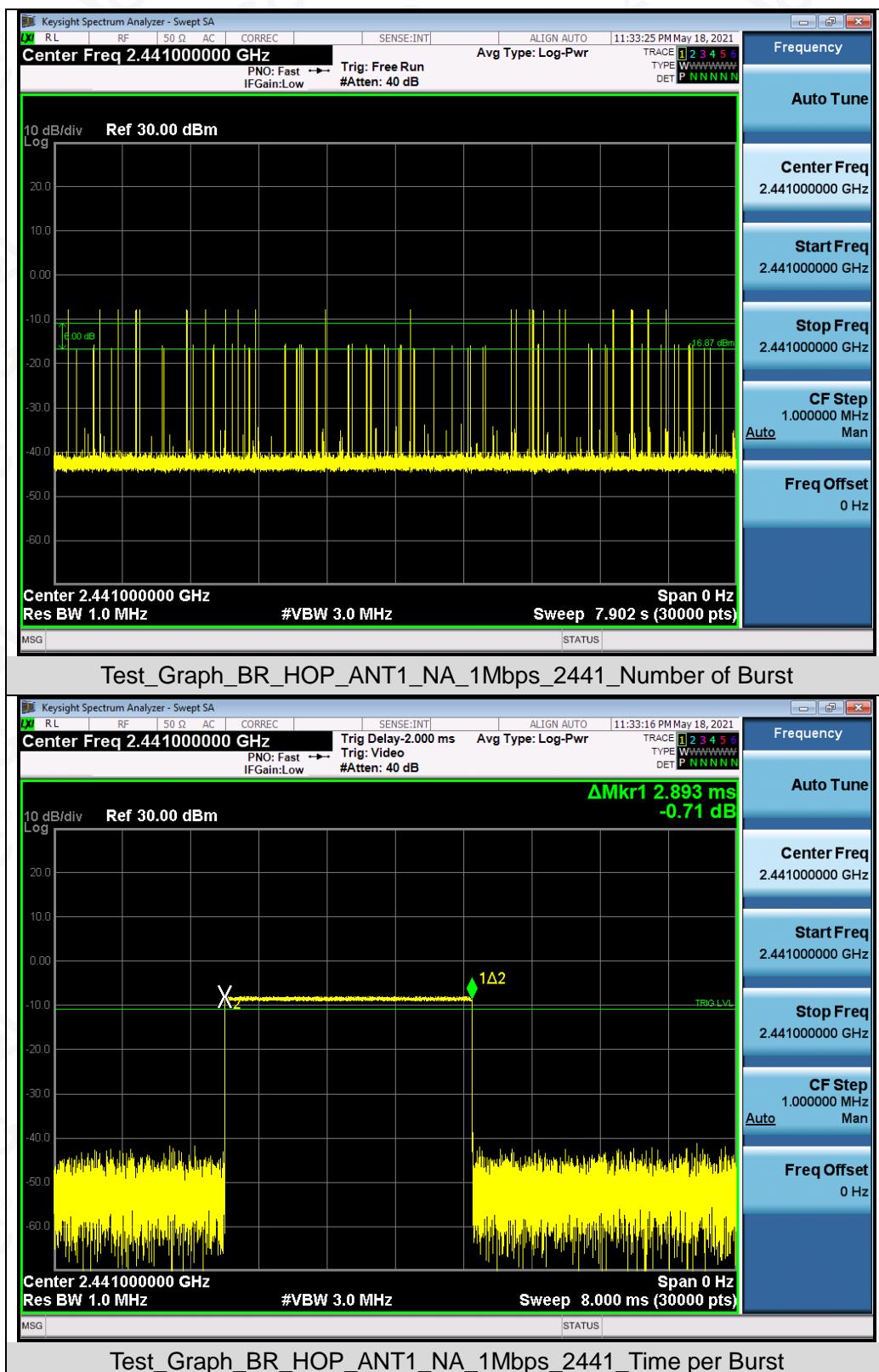
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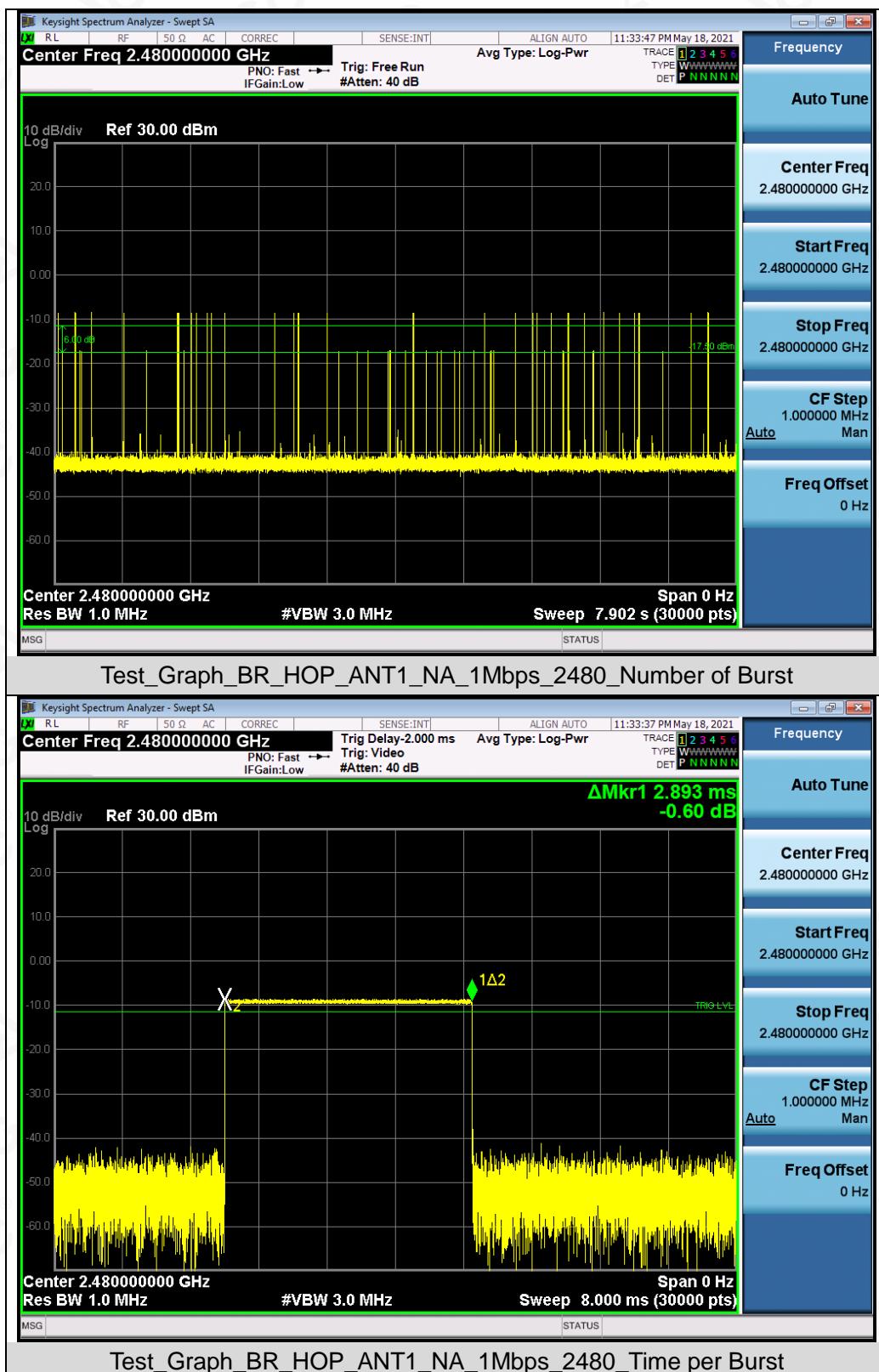
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Test Data of Dwell Time-antenna 2					
Channel	Time of Pulse for DH5 (ms)	Number of hops in the period specified in the requirements	Sweep Time (ms)	Limit (ms)	Pass or Fail
2402	2.893	28*4	324.016	400	Pass
2441	2.893	29*4	335.588	400	Pass
2480	2.893	28*4	324.016	400	Pass

Note: The GFSK modulation is the worst case and recorded in the report.

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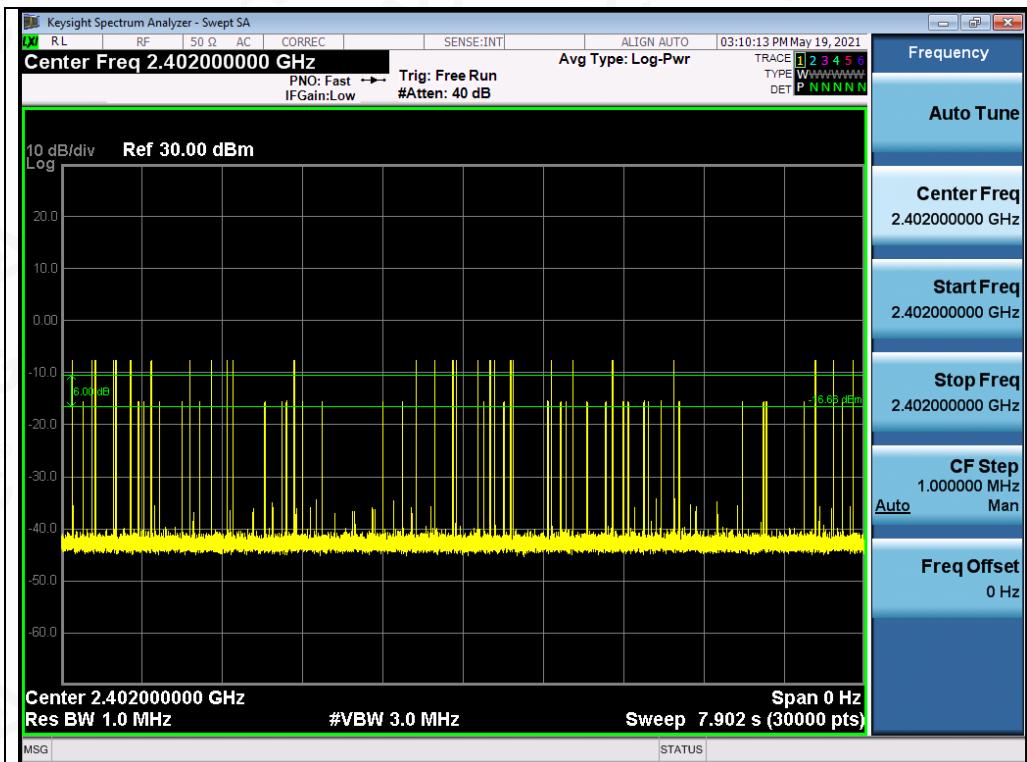
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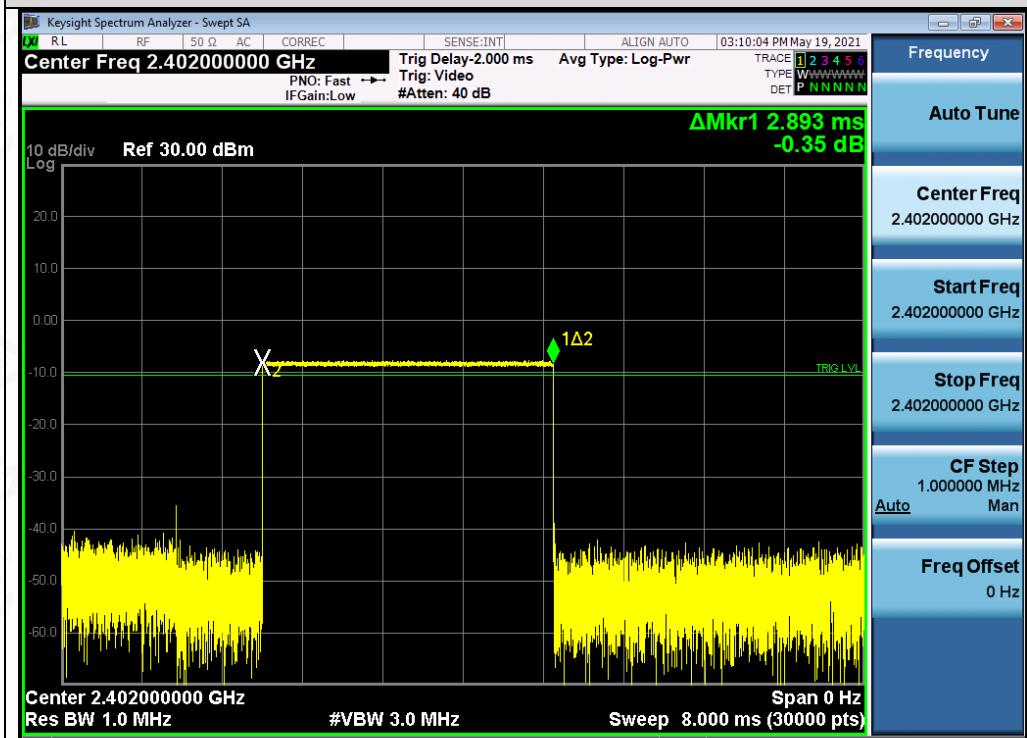
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## Test Graphs of Dwell Time



Test\_Graph\_BR\_HOP\_ANT2\_NA\_1Mbps\_2402\_Number of Burst



Test\_Graph\_BR\_HOP\_ANT2\_NA\_1Mbps\_2402\_Time per Burst

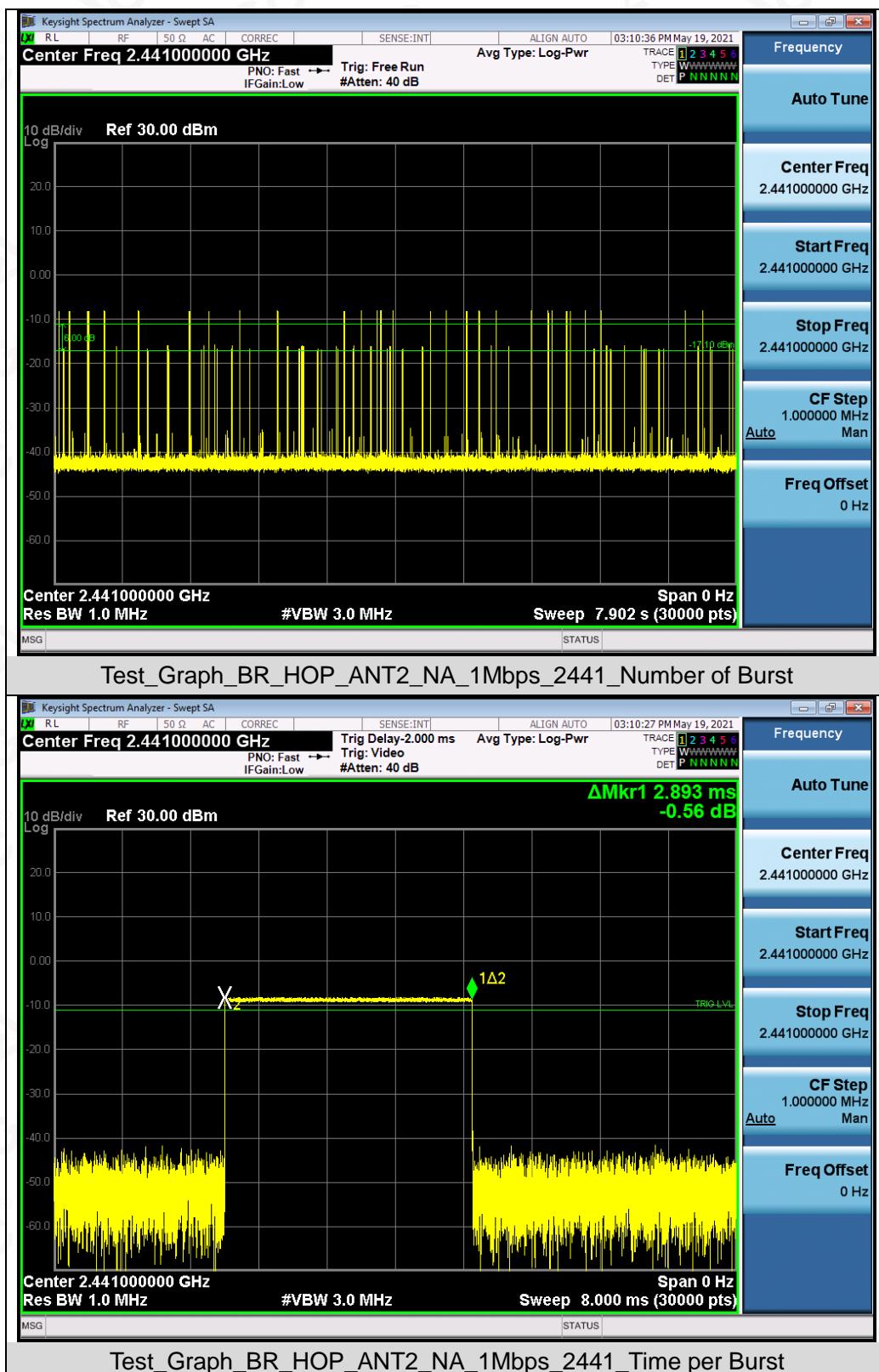
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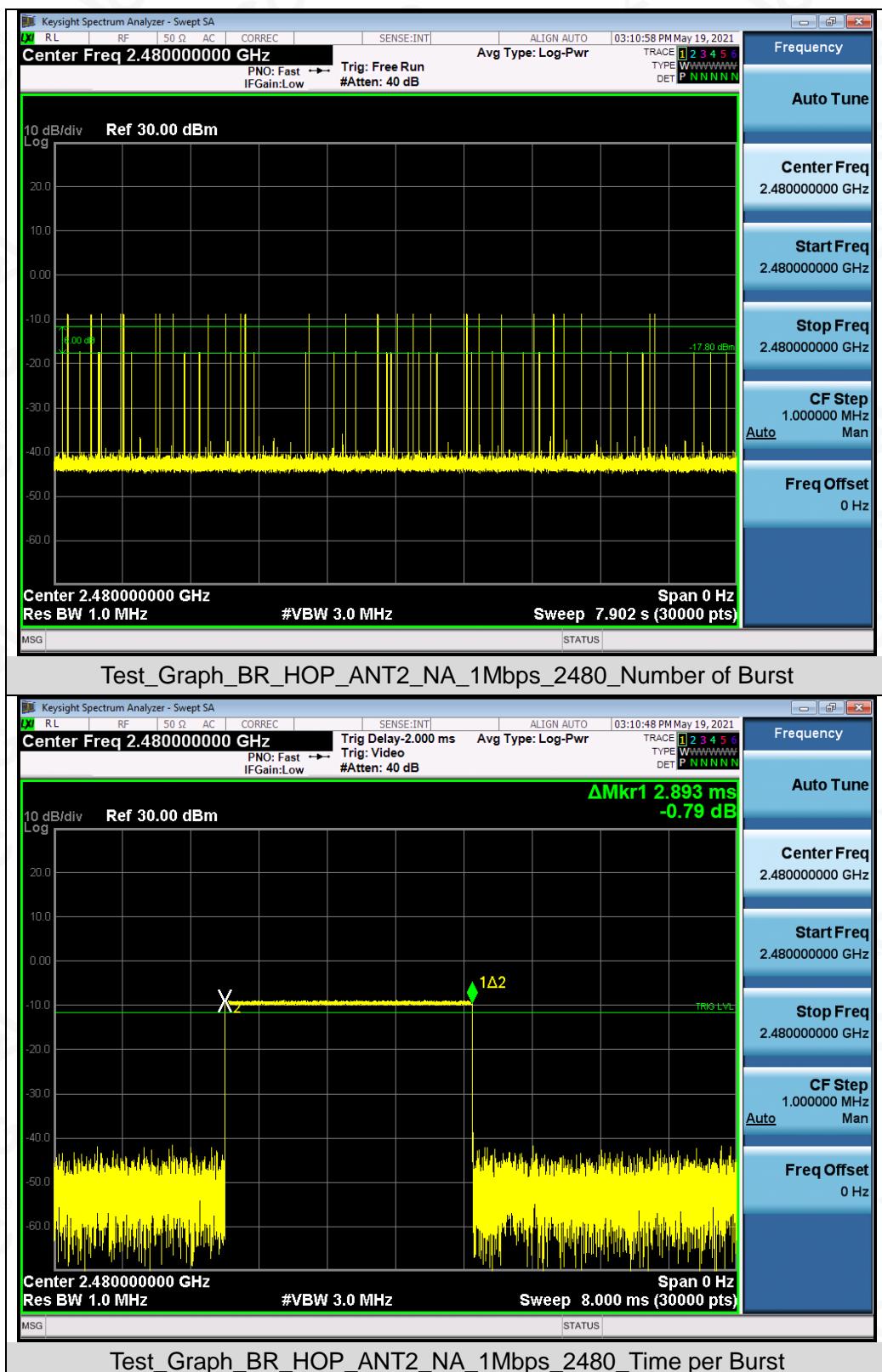
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## 13. FREQUENCY SEPARATION

### 13.1. MEASUREMENT PROCEDURE

The EUT shall have its hopping function enabled. Use the following spectrum analyzer settings:

1. Span: Wide enough to capture the peaks of two adjacent channels.
2. RBW: Start with the RBW set to approximately 30% of the channel spacing; adjust as necessary to best identify the center of each individual channel.
3. Video (or average) bandwidth (VBW)  $\geq$  RBW.
4. Sweep: Auto. e) Detector function: Peak. f) Trace: Max hold. g) Allow the trace to stabilize.

Use the marker-delta function to determine the separation between the peaks of the adjacent channels.

### 13.2. TEST SETUP (BLOCK DIAGRAM OF CONFIGURATION)

Same as described in section 6.2

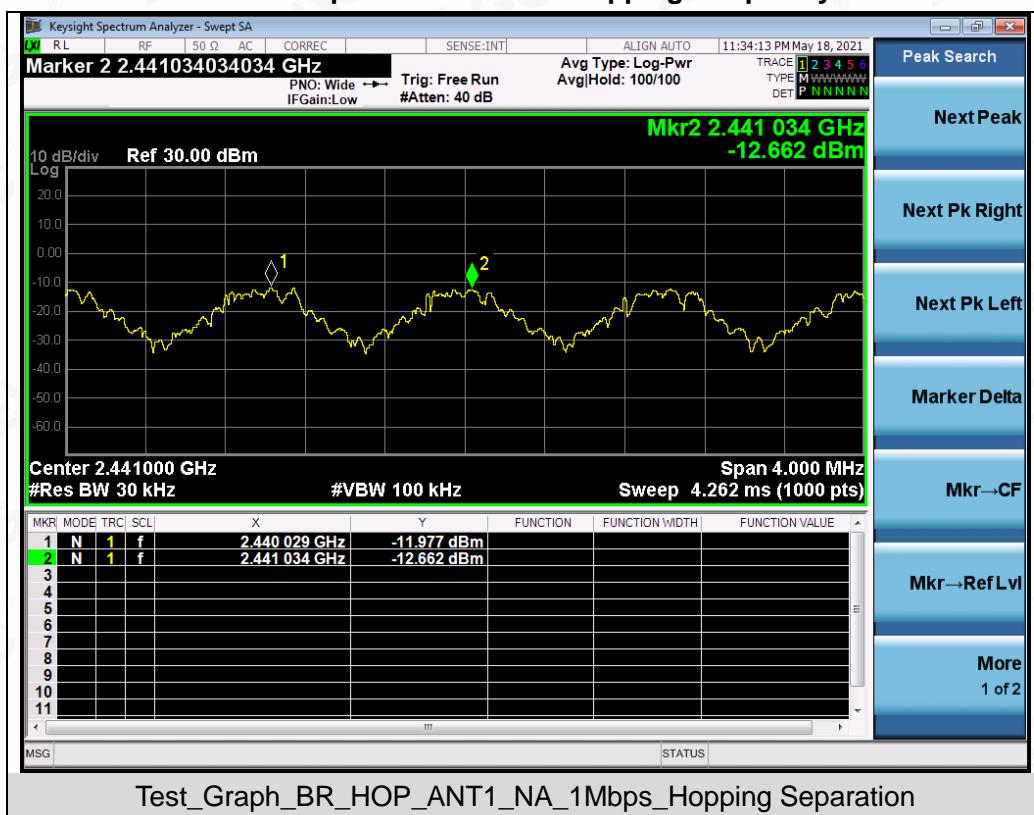
### 13.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6.3

### 13.4. LIMITS AND MEASUREMENT RESULT

Test Data of Frequency Separation-antenna 1			
Test Mode	Channel Separation (MHz)	Limits	Pass or Fail
GFSK Hopping	1.005	$\geq 2/3$ -20dB BW	Pass

### Test Graphs of Number of Hopping Frequency



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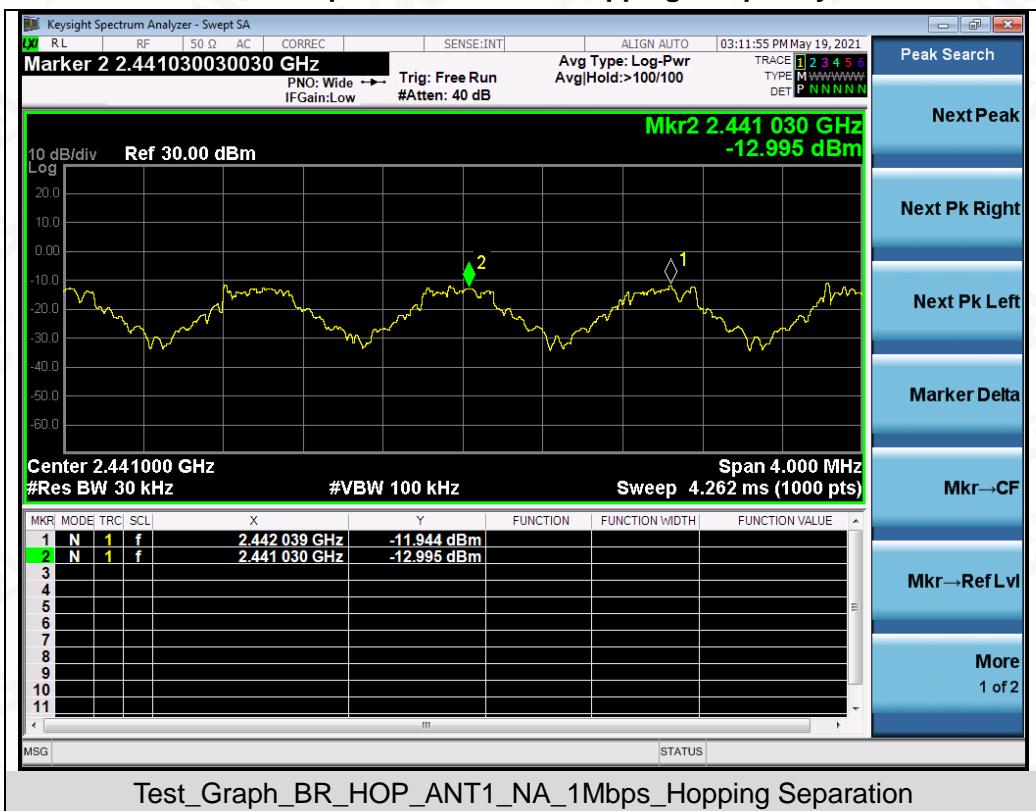
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Test Data of Frequency Separation-antenna 2			
Test Mode	Channel Separation (MHz)	Limits	Pass or Fail
GFSK Hopping	1.009	>= 2/3 -20dB BW	Pass

**Test Graphs of Number of Hopping Frequency**


Note: The GFSK modulation is the worst case and recorded in the report.

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## 14. LINE CONDUCTED EMISSION TEST

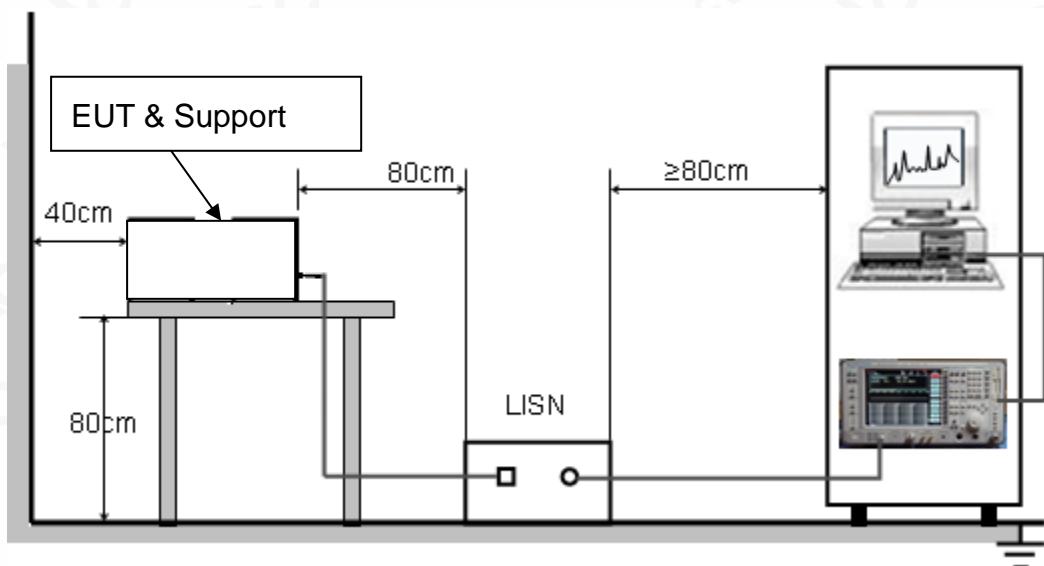
### 14.1. LIMITS OF LINE CONDUCTED EMISSION TEST

Frequency	Maximum RF Line Voltage	
	Q.P. (dB $\mu$ V)	Average (dB $\mu$ V)
150kHz~500kHz	66-56	56-46
500kHz~5MHz	56	46
5MHz~30MHz	60	50

Note:

1. The lower limit shall apply at the transition frequency.
2. The limit decreases linearly with the logarithm of the frequency in the range 0.15 MHz to 0.50 MHz.

### 14.2. BLOCK DIAGRAM OF LINE CONDUCTED EMISSION TEST



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#### 14.3. PRELIMINARY PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. The equipment was set up as per the test configuration to simulate typical actual usage per the user's manual. When the EUT is a tabletop system, a wooden table with a height of 0.8 meters is used and is placed on the ground plane as per ANSI C63.10 (see Test Facility for the dimensions of the ground plane used). When the EUT is a floor-standing equipment, it is placed on the ground plane which has a 3-12 mm non-conductive covering to insulate the EUT from the ground plane.
2. Support equipment, if needed, was placed as per ANSI C63.10.
3. All I/O cables were positioned to simulate typical actual usage as per ANSI C63.10.
4. All support equipment received AC120V/60Hz power from a LISN, if any.
5. The EUT received DC 5V power from adapter which received AC120V/60Hz power from a LISN.
6. The test program was started. Emissions were measured on each current carrying line of the EUT using a spectrum Analyzer / Receiver connected to the LISN powering the EUT. The LISN has two monitoring points: Line 1 (Hot Side) and Line 2 (Neutral Side). Two scans were taken: one with Line 1 connected to Analyzer / Receiver and Line 2 connected to a 50 ohm load; the second scan had Line 1 connected to a 50 ohm load and Line 2 connected to the Analyzer / Receiver.
7. Analyzer / Receiver scanned from 150 kHz to 30MHz for emissions in each of the test modes.
8. During the above scans, the emissions were maximized by cable manipulation.
9. The test mode(s) were scanned during the preliminary test.

Then, the EUT configuration and cable configuration of the above highest emission level were recorded for reference of final testing.

#### 14.4. FINAL PROCEDURE OF LINE CONDUCTED EMISSION TEST

1. EUT and support equipment was set up on the test bench as per step 2 of the preliminary test.
2. A scan was taken on both power lines, Line 1 and Line 2, recording at least the six highest emissions. Emission frequency and amplitude were recorded into a computer in which correction factors were used to calculate the emission level and compare reading to the applicable limit. If EUT emission level was less – 2dB to the A.V. limit in Peak mode, then the emission signal was re-checked using Q.P and Average detector.
3. The test data of the worst case condition(s) was reported on the Summary Data page.

#### 14.5. TEST RESULT OF LINE CONDUCTED EMISSION TEST

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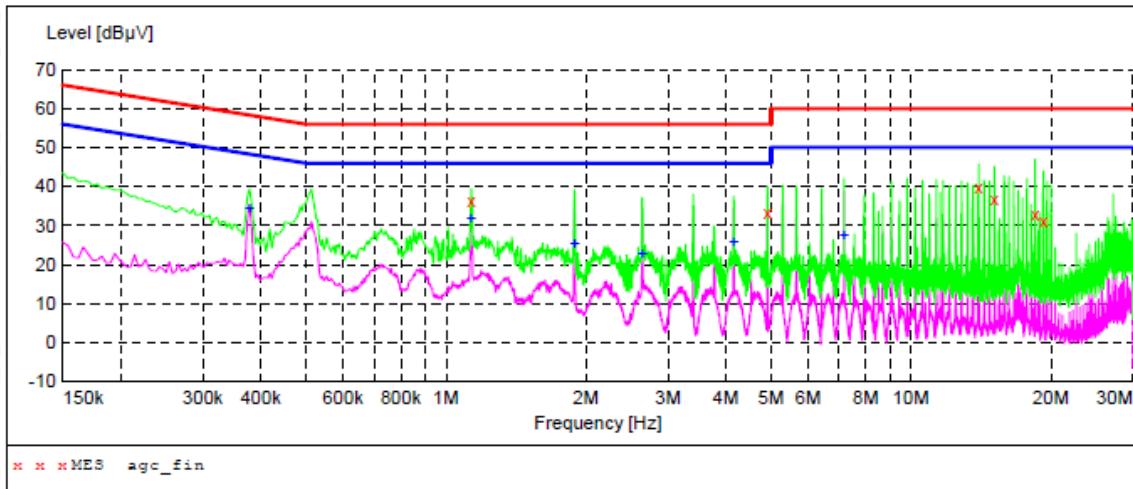
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## Line Conducted Emission Test Line 1-L


**MEASUREMENT RESULT: "agc\_fin"**

2021/5/18 10:03

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line
1.134000	36.50	12.4	56	19.5	QP	L1
4.910000	33.50	12.6	56	22.5	QP	L1
13.982000	39.90	14.1	60	20.1	QP	L1
15.102000	36.90	14.3	60	23.1	QP	L1
18.490000	32.90	14.7	60	27.1	QP	L1
19.254000	31.20	14.7	60	28.8	QP	L1

**MEASUREMENT RESULT: "agc\_fin2"**

2021/5/18 10:03

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line
0.378000	34.70	12.4	48	13.6	AV	L1
1.134000	31.80	12.4	46	14.2	AV	L1
1.890000	25.60	12.5	46	20.4	AV	L1
2.646000	23.00	12.5	46	23.0	AV	L1
4.154000	25.90	12.5	46	20.1	AV	L1
7.178000	27.50	12.7	50	22.5	AV	L1

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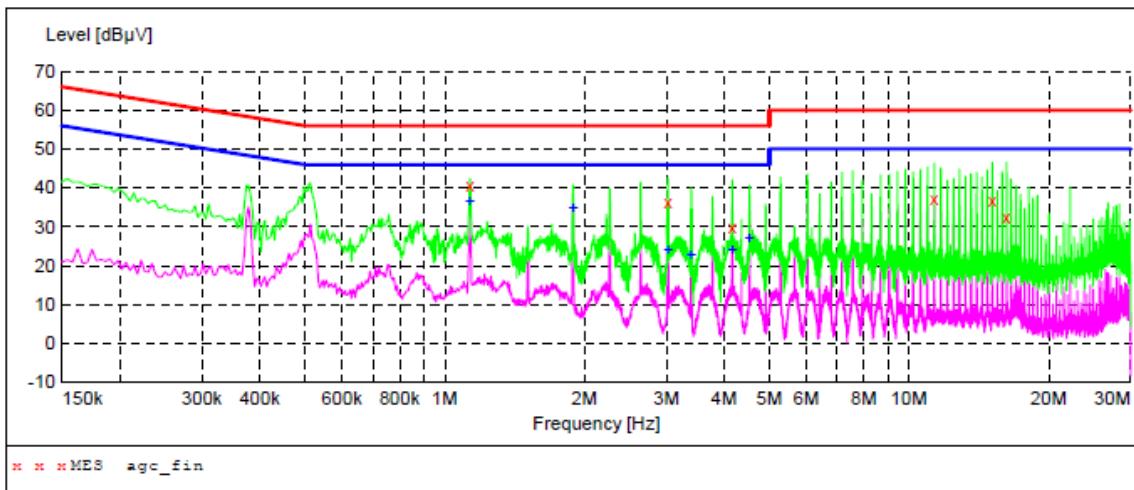
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## Line Conducted Emission Test Line 2-N


**MEASUREMENT RESULT: "agc\_fin"**

2021/5/18 10:00

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line
1.134000	40.60	12.4	56	15.4	QP	N
3.026000	36.10	12.5	56	19.9	QP	N
4.162000	30.00	12.5	56	26.0	QP	N
11.326000	37.20	13.3	60	22.8	QP	N
15.106000	36.90	14.3	60	23.1	QP	N
16.218000	32.30	14.5	60	27.7	QP	N

**MEASUREMENT**

2021/5/18 10:00

Frequency MHz	Level dB $\mu$ V	Transd dB	Limit dB $\mu$ V	Margin dB	Detector	Line
1.134000	36.70	12.4	46	9.3	AV	N
1.890000	35.10	12.5	46	10.9	AV	N
3.026000	24.30	12.5	46	21.7	AV	N
3.394000	23.00	12.5	46	23.0	AV	N
4.162000	24.10	12.5	46	21.9	AV	N
4.534000	27.10	12.6	46	18.9	AV	N

**RESULT: PASS**

Note: All the test modes had been tested, the mode 1 of antenna 1 was the worst case. Only the data of the worst case would be record in this test report.

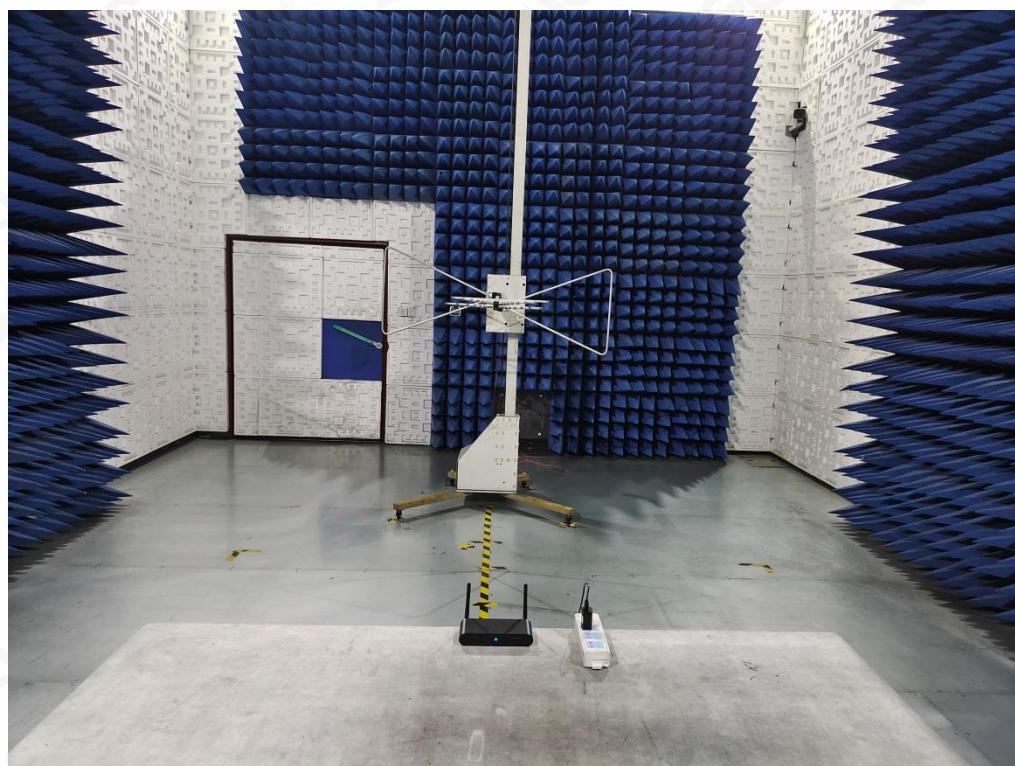
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**APPENDIX A: PHOTOGRAPHS OF TEST SETUP****RADIATED EMISSION TEST SETUP BELOW 1GHz****RADIATED EMISSION TEST SETUP ABOVE 1GHz**

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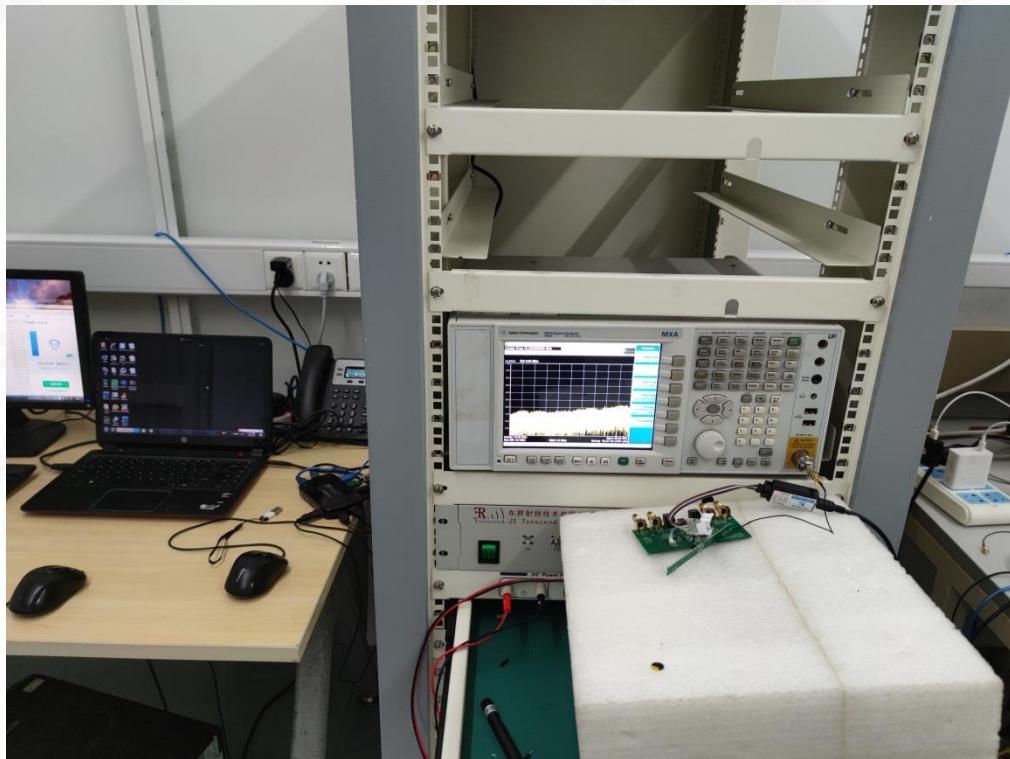
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## CONDUCTED EMISSION TEST SETUP



## CONDUCTED TEST SETUP



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**APPENDIX B: PHOTOGRAPHS OF EUT**  
**TOP VIEW OF EUT****BOTTOM VIEW OF EUT**

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## FRONT VIEW OF EUT



## BACK VIEW OF EUT



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