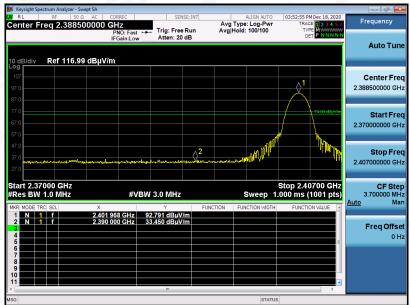


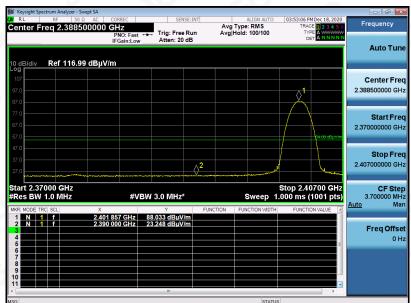
TEST RESOLTTOR RESTRICTED BANDS REGOREMENTS			
EUT	Bluetooth Earphone	Model Name BT960	
Temperature	25°C	Relative Humidity 55.4%	
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna	Horizontal

TEST RESULT FOR RESTRICTED BANDS REQUIREMENTS

PK



AV



RESULT: PASS

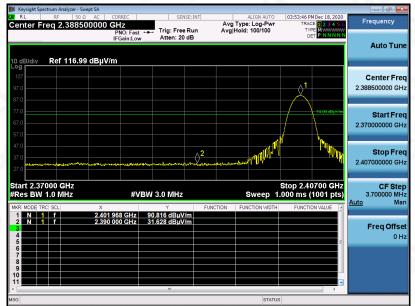
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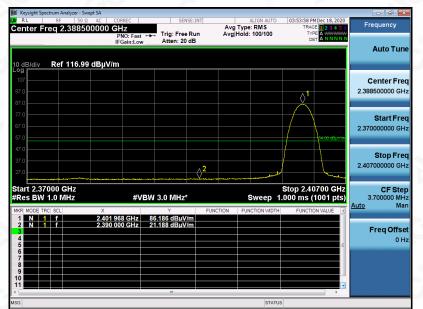
Report No.: AGC08189201201FE03 Page 50 of 80

EUT	Bluetooth Earphone	Model Name BT960	
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 7	Antenna	Vertical

PK



AV



RESULT: PASS

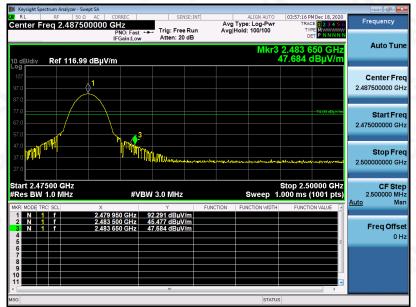
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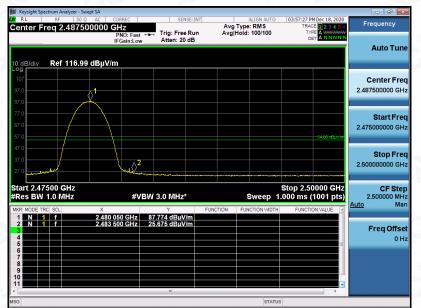
Report No.: AGC08189201201FE03 Page 51 of 80

EUT	Bluetooth Earphone	Model Name	BT960
201	Bidetootin Earphone		B1360
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna	Horizontal

PK



AV



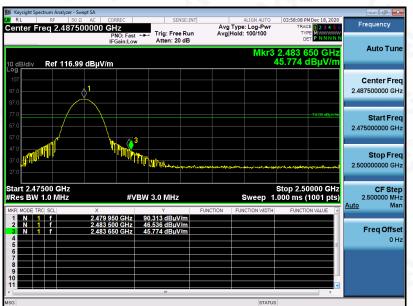
RESULT: PASS

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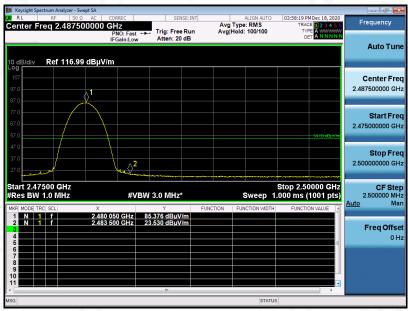
Report No.: AGC08189201201FE03 Page 52 of 80

EUT	Bluetooth Earphone	Model Name BT960	
Temperature	25°C	Relative Humidity	55.4%
Pressure	960hPa	Test Voltage	Normal Voltage
Test Mode	Mode 9	Antenna	Vertical



PK

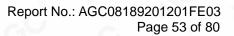




RESULT: PASS

Note: The factor had been edited in the "Input Correction" of the Spectrum Analyzer. The 8DPSK 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)

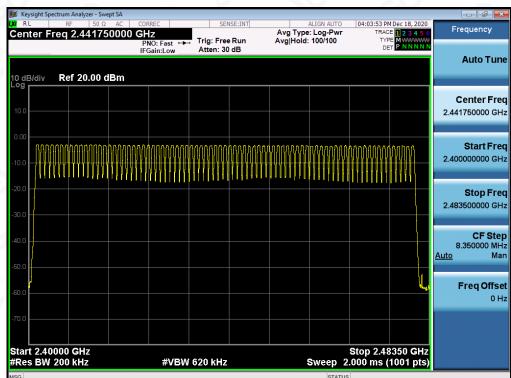
Same as described in section 8.2

11.3. MEASUREMENT EQUIPMENT USED

The same as described in section 6

11.4. LIMITS AND MEASUREMENT RESULT

TOTAL NO. OF HOPPING CHANNEL	LIMIT (NO. OF CH)	MEASUREMENT (NO. OF CH)	RESULT
	>=15	79	PASS



TEST PLOT FOR NO. OF TOTAL CHANNELS

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 >> 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

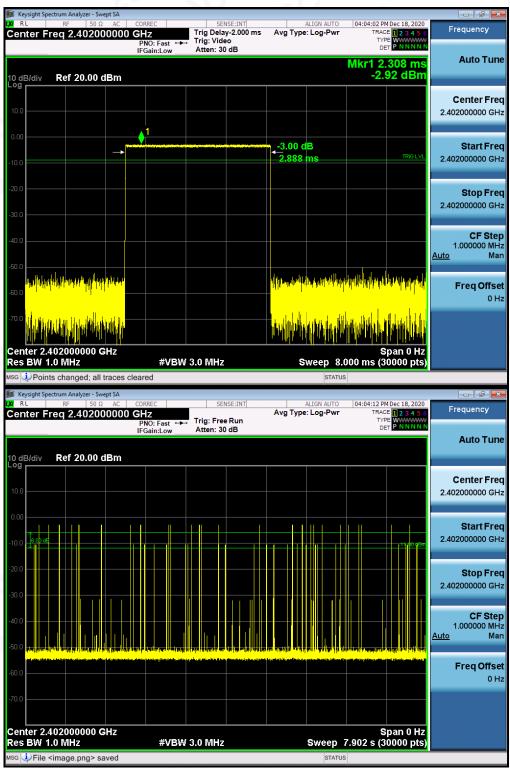
12.4. LIMITS AND MEASUREMENT RESULT

Channel	Time of Pulse for DH5 (ms)	Number of hops in the period specified in the requirements	Sweep Time (ms)	Limit (ms)
Low	2.888	26*4	300.352	400
Middle	2.888	27*4	311.904	400
High	2.888	26*4	300.352	400

Note: The 8DPSK modulation is the worst case and recorded in the report.

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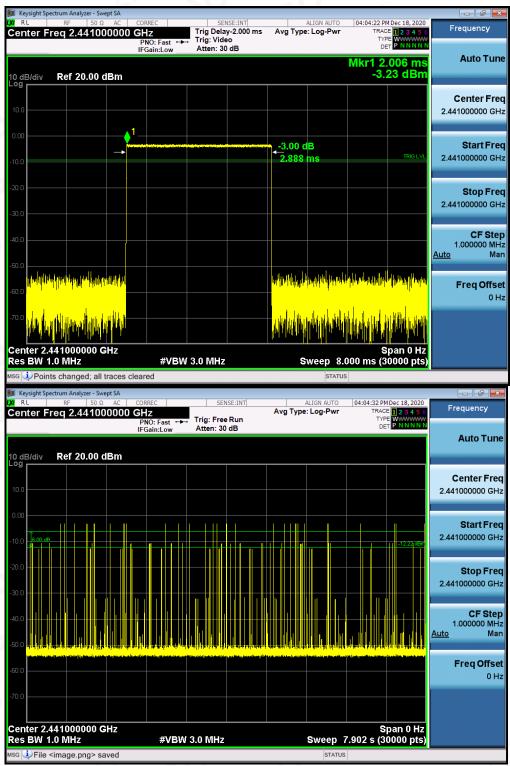




TEST PLOT OF LOW CHANNEL

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TEST PLOT OF MIDDLE CHANNEL

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Keysight Spectrum Analyzer 04:43 PM Dec 18, 20 Trig Delay-2.000 ms Trig: Video Atten: 30 dB Frequency Center Freq 2.480000000 GHz Avg Type: Log-Pwr PNO: Fast IFGain:Low Auto Tune Mkr1 2.533 m -3.47 dBm Ref 20.00 dBm 10 dB/div Center Frea 2.480000000 GHz Start Freq -3.00 dB 2.48000000 GHz 2.888 ms Stop Freq 2.480000000 GHz CF Step 1.000000 MHz <u>Auto</u> Mar الواري وروافيان بابياني فانقار والمقار And Kanana lation in suite Autority in Freq Offset 0 Hz Center 2.480000000 GHz Res BW 1.0 MHz Span 0 Hz Sweep 8.000 ms (30000 pts) #VBW 3.0 MHz G Deints changed; all traces cleared STATUS 04:04:53 PM Dec 18, 2020 RACE TYPE DE1 Frequency Center Freq 2.480000000 GHz Avg Type: Log-Pwr Trig: Free Run PNO: Fast IFGain:Low Atten: 30 dB Auto Tune 10 dB/div Ref 20.00 dBm **Center Freq** 2.480000000 GHz Start Freq 2.48000000 GHz Stop Freq 2.480000000 GHz CF Step 1.000000 MHz <u>Auto</u> Mar Freq Offset 0 Hz Center 2.480000000 GHz Res BW 1.0 MHz Span 0 Hz Sweep 7.902 s (30000 pts) #VBW 3.0 MHz File <image.png> saved

TEST PLOT OF HIGH CHANNEL

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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

CHANNEL	CHANNEL SEPARATION	LIMIT	RESULT
	MHz		Deep
Hopping mode	1.001	20 dB BW	Pass

Peak Search Avg Type: Log-Pwi Avg|Hold: 100/100 Marker 2 2.440969969970 GHz Trig: Free Run PNO: Wid IFGain:Lo Atten: 30 dB Next Peak Mkr2 2.440 970 GHz -5.664 dBm Ref 20.00 dBm) dB/div Next Pk Right Next Pk Left Marker Delta Center 2.441000 GHz #Res BW 30 kHz Span 4.000 MHz 4.262 ms (1000 pts) #VBW 100 kHz Mkr→CF Sweep 2.439 969 GHz 2.440 970 GHz -5.724 dBm -5.664 dBm Mkr→RefLv More 1 of 2

TEST PLOT FOR FREQUENCY SEPARATION

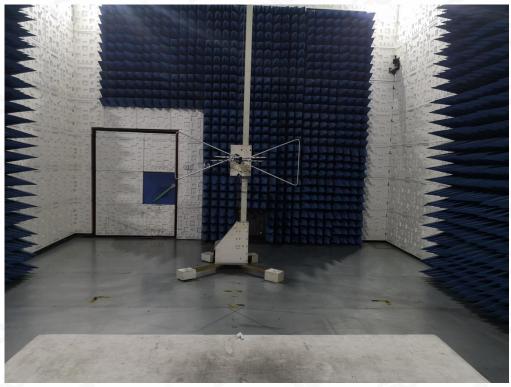
Note: The GFSK modulation is the worst case and recorded in the report.

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



RADIATED EMISSION TEST SETUP ABOVE 1GHz

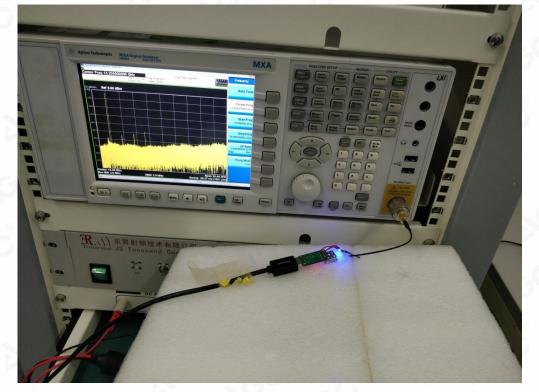


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CONDUCTED TEST SETUP



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APPENDIX B: PHOTOGRAPHS OF EUT

The Main test model WHOLE VIEW OF EUT



TOP VIEW OF EUT



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0.9

BOTTOM VIEW OF EUT

FRONT VIEW OF EUT



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BACK VIEW OF EUT



LEFT VIEW OF EUT



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RIGHT VIEW OF EUT



Left VIEW OF EUT(PORT)



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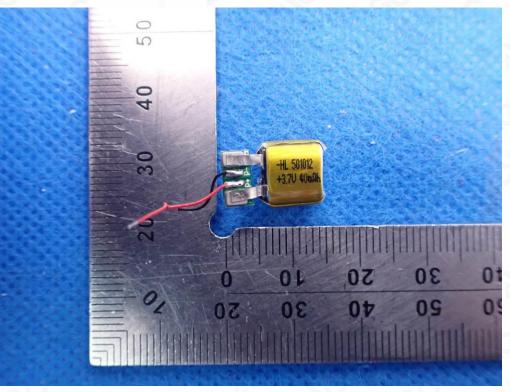


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80 20 60 50 40 30 20 01 50 30 Ò 40 09 09 01 08 06 0 01 50 30 10 0,9 0.9 01 08 06 001 01

OPEN VIEW OF EUT

VIEW OF BATTERY



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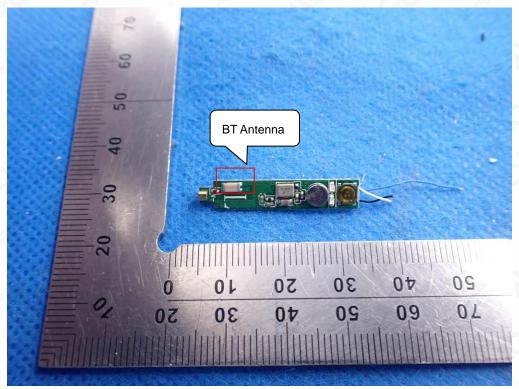


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INTERNAL VIEW OF EUT-1

INTERNAL VIEW OF EUT-2

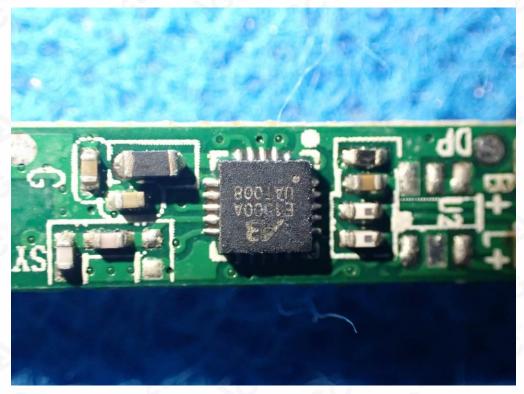


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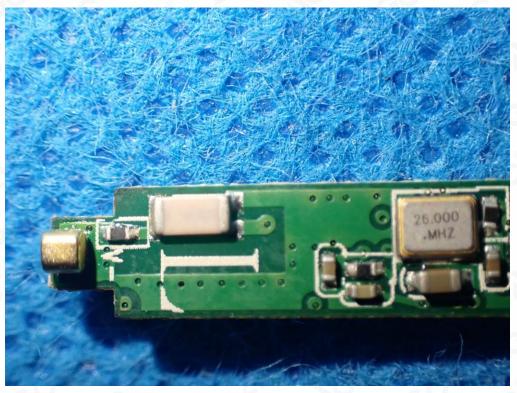


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INTERNAL VIEW OF EUT-3



INTERNAL VIEW OF EUT-4



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Right VIEW OF EUT(PORT)



OPEN VIEW OF EUT

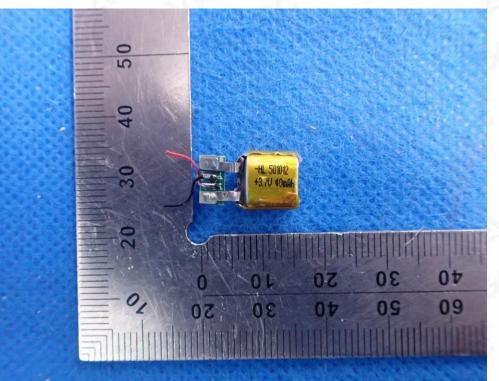


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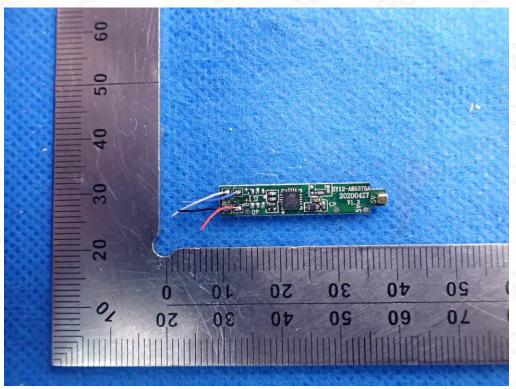


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VIEW OF BATTERY



INTERNAL VIEW OF EUT-1



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