

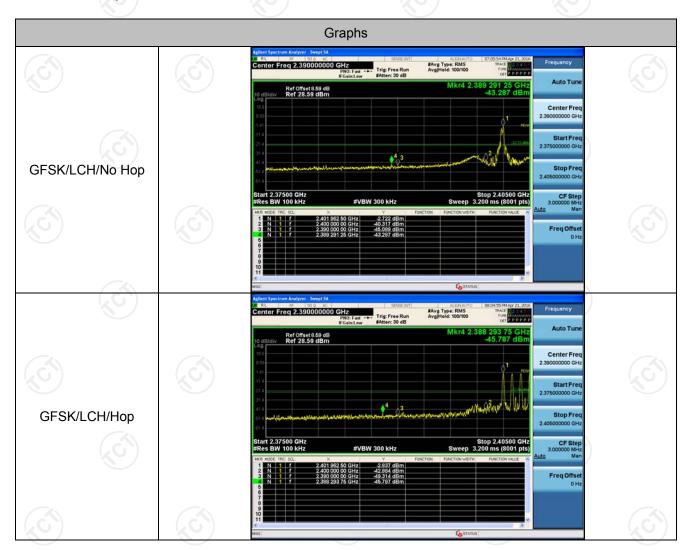


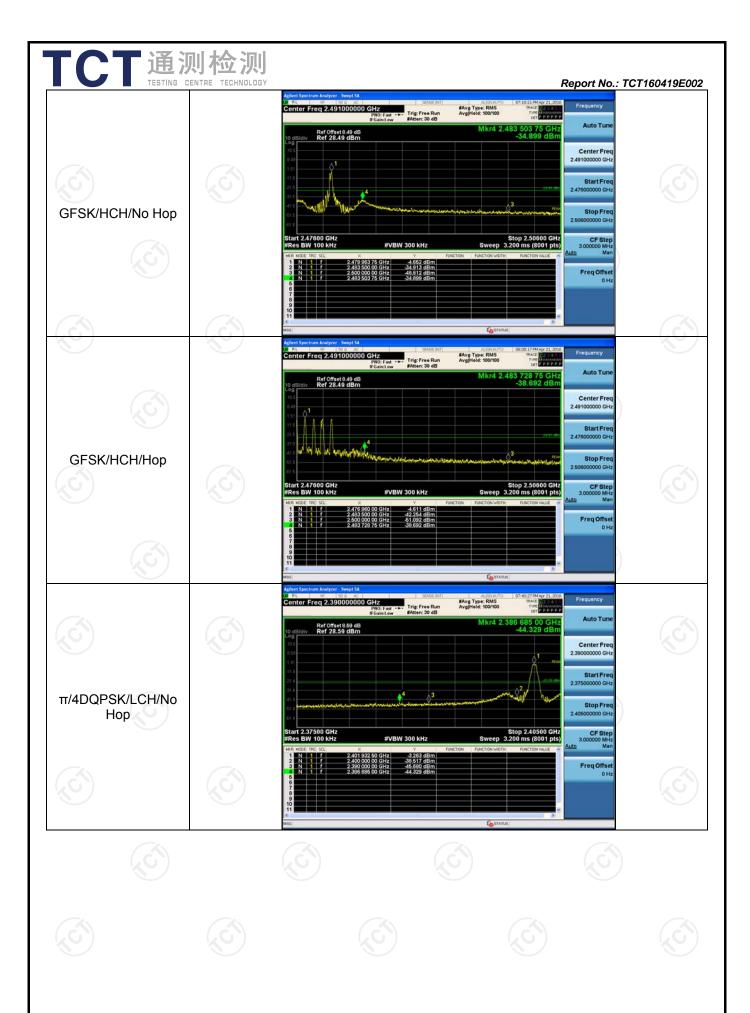
## **Band-edge for RF Conducted Emissions**

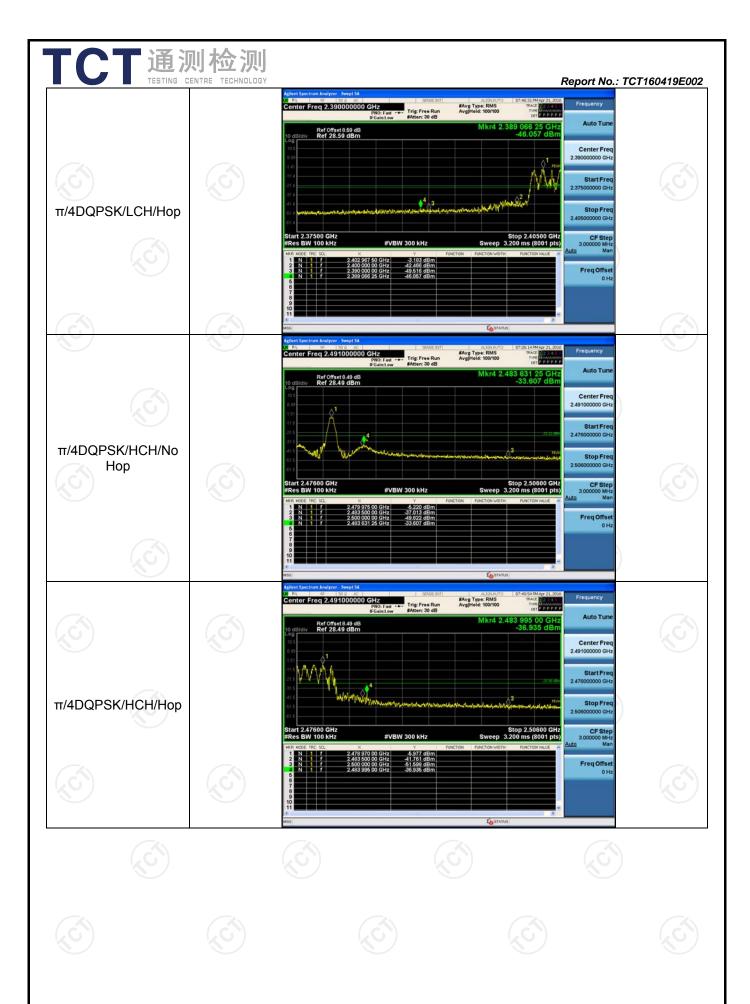
#### **Result Table**

| Mode     | Channel | Carrier<br>Frequency<br>[MHz] | Carrier<br>Power<br>[dBm] | Frequency<br>Hopping | Max<br>Spurious<br>Level<br>[dBm] | Limit<br>[dBm] | Verdict |
|----------|---------|-------------------------------|---------------------------|----------------------|-----------------------------------|----------------|---------|
| GFSK     | LCH     | 2402                          | -2.722                    | Off                  | -43.287                           | -22.72         | PASS    |
|          |         |                               | -2.837                    | On                   | -45.787                           | -22.84         | PASS    |
| GFSK     | НСН     | 2480                          | -4.652                    | Off                  | -34.899                           | -24.65         | PASS    |
|          |         |                               | -4.611                    | On                   | -38.692                           | -24.61         | PASS    |
| π/4DQPSK | LCH     | 2402                          | -3.263                    | Off                  | -44.329                           | -23.26         | PASS    |
|          |         |                               | -3.183                    | On                   | -46.057                           | -23.18         | PASS    |
| π/4DQPSK | нсн     | 2480                          | -5.220                    | Off                  | -33.607                           | -25.22         | PASS    |
|          |         |                               | -5.977                    | On                   | -36.935                           | -25.98         | PASS    |

### **Test Graph**









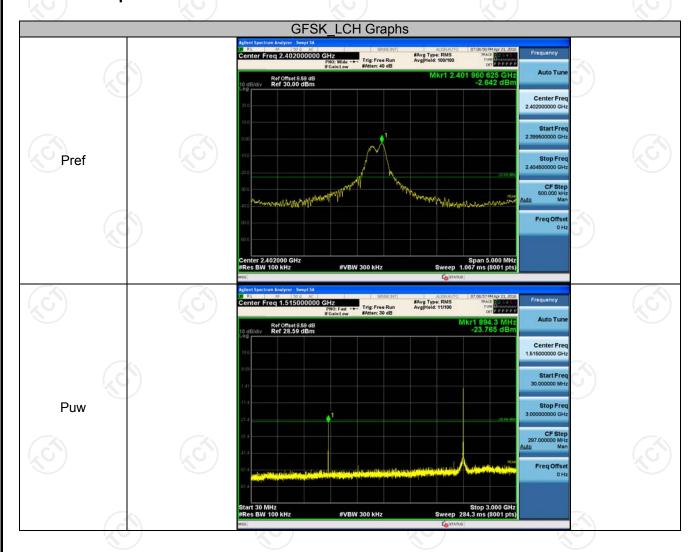


# **RF Conducted Spurious Emissions**

#### **Result Table**

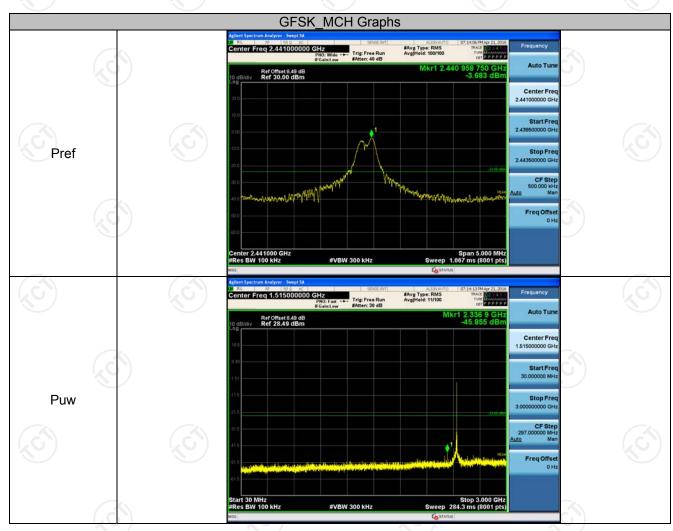
| Mode     | Channel | Pref [dBm] | Puw [dBm]                            | Verdict |
|----------|---------|------------|--------------------------------------|---------|
| GFSK     | LCH     | -2.642     | <limit< td=""><td>PASS</td></limit<> | PASS    |
| GFSK     | MCH     | -3.683     | <limit< td=""><td>PASS</td></limit<> | PASS    |
| GFSK     | HCH     | -4.542     | <limit< td=""><td>PASS</td></limit<> | PASS    |
| π/4DQPSK | LCH     | -3.369     | <limit< td=""><td>PASS</td></limit<> | PASS    |
| π/4DQPSK | MCH     | -4.368     | <limit< td=""><td>PASS</td></limit<> | PASS    |
| π/4DQPSK | HCH     | -5.206     | <limit< td=""><td>PASS</td></limit<> | PASS    |

#### **Test Graph**

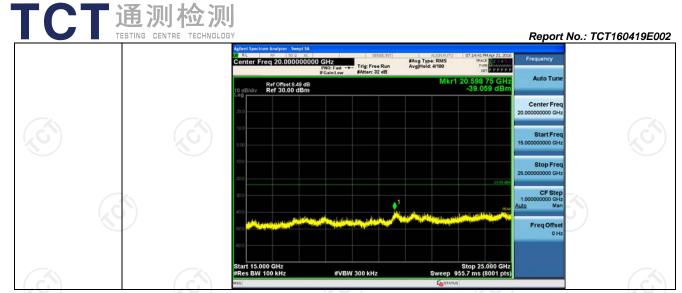


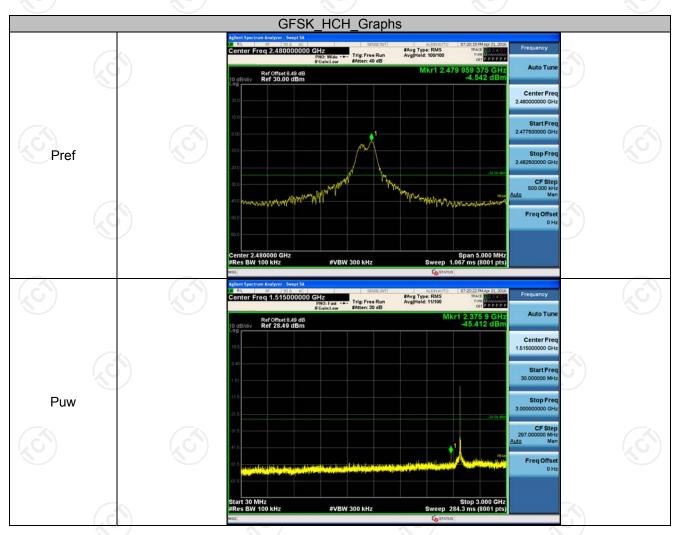
TCT通测检测
TESTING CENTRE TECHNOLOGY Report No.: TCT160419E002 #Avg Type: RMS Avg|Hold: 10/100 4.800 00 GH -40.827 dB Ref Offset 8.59 dB Ref 28.59 dBm Center Free enter Freq 7.500000000 GHz #Avg Type: RMS Avg[Hold: 9/100 9.517 500 GH -47.130 dBr Ref Offset 8.59 dB Ref 28.59 dBm Stop Free #Avg Type: RMS Avg[Hold: 8/100 4.540 000 G -45.418 dE Ref Offset 8.59 dB Ref 28.59 dBm Center Fre CF Step 2000000 MH Stop 15.000 GHz Sweep 477.9 ms (8001 pts **#VBW** 300 kHz Page 47 of 66



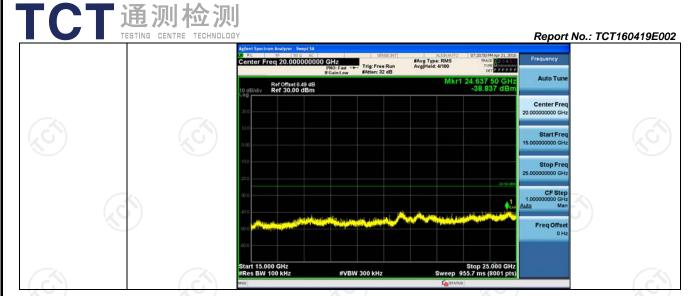


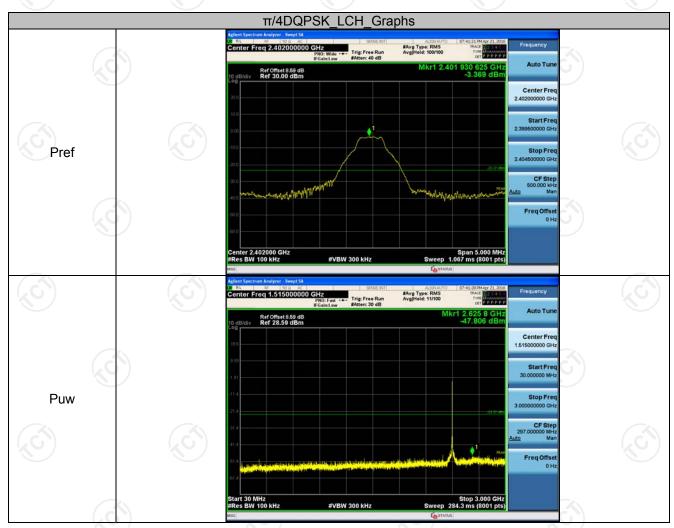
TCT通测检测
TESTING CENTRE TECHNOLOGY Report No.: TCT160419E002 #Avg Type: RMS Avg[Hold: 11/100 4.800 00 GH -42.064 dB Ref Offset 8.49 dB Ref 28.49 dBm Center Free enter Freq 7.500000000 GHz #Avg Type: RMS Avg[Hold: 9/100 9.469 375 GH -47.838 dBr Ref Offset 8.49 dB Ref 28.49 dBm Stop Free #Avg Type: RMS Avg[Hold: 8/100 4.505 625 GI -46.194 dB Ref Offset 8,49 dB Ref 28,49 dBm Center Fre Stop 15.000 GHz Sweep 477.9 ms (8001 pts **#VBW** 300 kHz Page 49 of 66





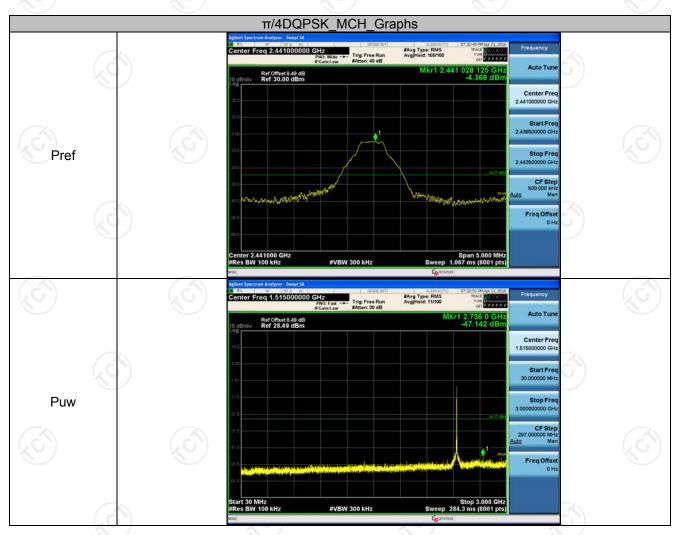
TCT通测检测
TESTING CENTRE TECHNOLOGY Report No.: TCT160419E002 #Avg Type: RMS Avg|Hold: 10/100 4,800 00 GH -41,904 dB Ref Offset 8.49 dB Ref 28.49 dBm Center Free enter Freq 7.500000000 GHz #Avg Type: RMS Avg[Hold: 9/100 9.485 000 GH -47.742 dBr Ref Offset 8.49 dB Ref 28.49 dBm Stop Free #Avg Type: RMS Avg[Hold: 8/100 4.425 000 G -45.895 dE Ref Offset 8,49 dB Ref 28,49 dBm Center Fre Stop 15.000 GHz Sweep 477.9 ms (8001 pts **#VBW** 300 kHz Page 51 of 66





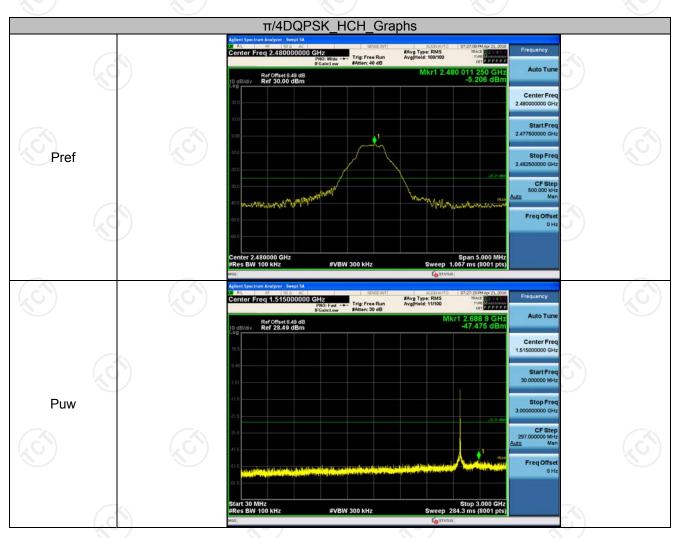
TCT通测检测
TESTING CENTRE TECHNOLOGY Report No.: TCT160419E002 #Avg Type: RMS Avg|Hold: 10/100 4.800 00 GH -41.621 dB Ref Offset 8.59 dB Ref 28.59 dBm Center Free enter Freq 7.500000000 GHz #Avg Type: RMS Avg[Hold: 9/100 9.506 875 GH -47.583 dBr Ref Offset 8.59 dB Ref 28.59 dBm Stop Free #Avg Type: RMS Avg[Hold: 8/100 4.511 875 G -46.231 dE Ref Offset 8.59 dB Ref 28.59 dBm Center Fre Stop 15.000 GHz Sweep 477.9 ms (8001 pts **#VBW** 300 kHz Page 53 of 66



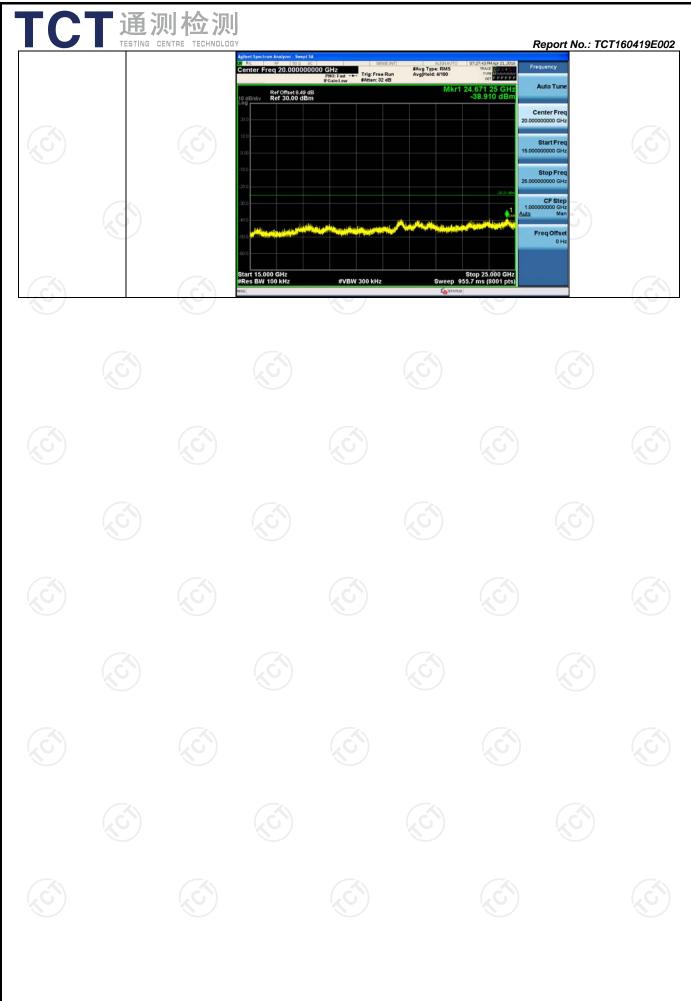


TCT通测检测
TESTING CENTRE TECHNOLOGY Report No.: TCT160419E002 #Avg Type: RMS Avg|Hold: 10/100 4.800 00 GF -42.007 dB Ref Offset 8.49 dB Ref 28.49 dBm Center Free enter Freq 7.500000000 GHz #Avg Type: RMS Avg[Hold: 9/100 9.572 500 GH -48.334 dBr Ref Offset 8.49 dB Ref 28.49 dBm Stop Free Ç1 nter Freq 12.500000000 GHz #Avg Type: RMS Avg[Hold: 8/100 4.525 625 G -45.951 dE Ref Offset 8,49 dB Ref 28,49 dBm Center Fre Stop 15.000 GHz Sweep 477.9 ms (8001 pts **#VBW** 300 kHz Page 55 of 66





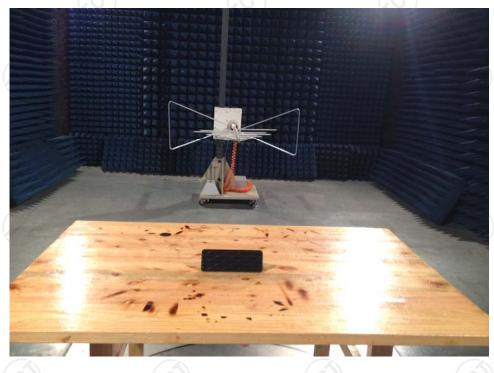
TCT通测检测
TESTING CENTRE TECHNOLOGY Report No.: TCT160419E002 #Avg Type: RMS Avg[Hold: 11/100 4.800 00 GH -42.687 dB Ref Offset 8.49 dB Ref 28.49 dBm Center Free enter Freq 7.500000000 GHz #Avg Type: RMS Avg[Hold: 9/100 9.479 375 GH -47.478 dBr Ref Offset 8.49 dB Ref 28.49 dBm Stop Free nter Freq 12.500000000 GHz #Avg Type: RMS Avg[Hold: 8/100 4.751 875 G -45.741 dE Ref Offset 8,49 dB Ref 28,49 dBm Center Fre Stop 15.000 GHz Sweep 477.9 ms (8001 pts **#VBW** 300 kHz Page 57 of 66





## Appendix B: Photographs of Test Setup Product: Bluetooth Speaker

Product: Bluetooth Speaker Model: CQL1539-B Radiated Emission







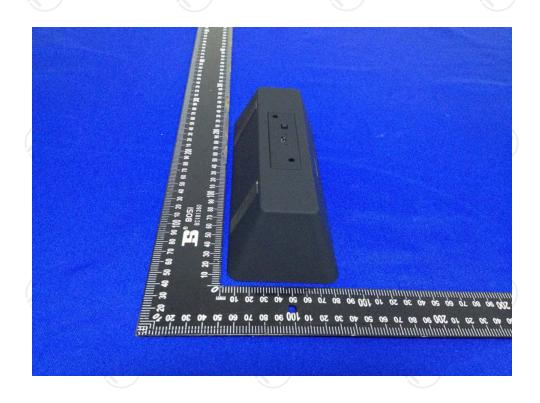
#### Conducted Emission





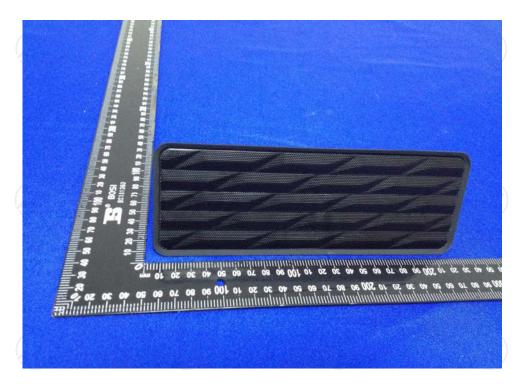
Appendix C: Photographs of EUT Product: Bluetooth Speaker Model: CQL1539-B External Photos



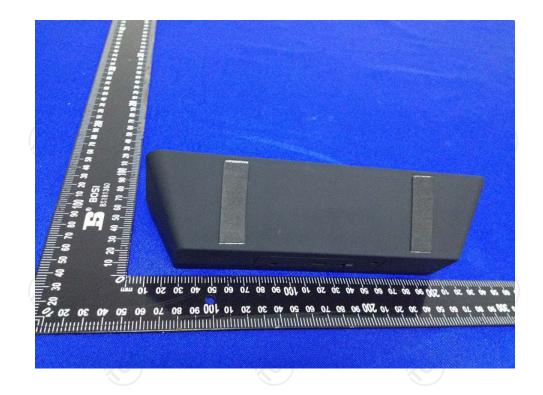


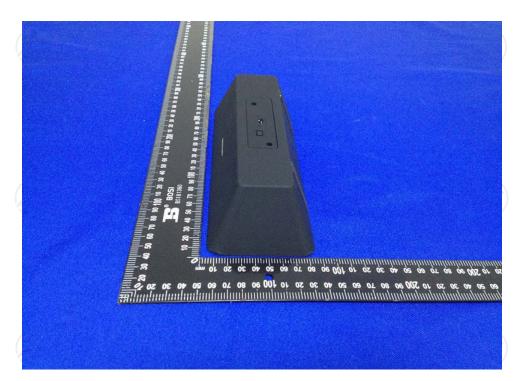




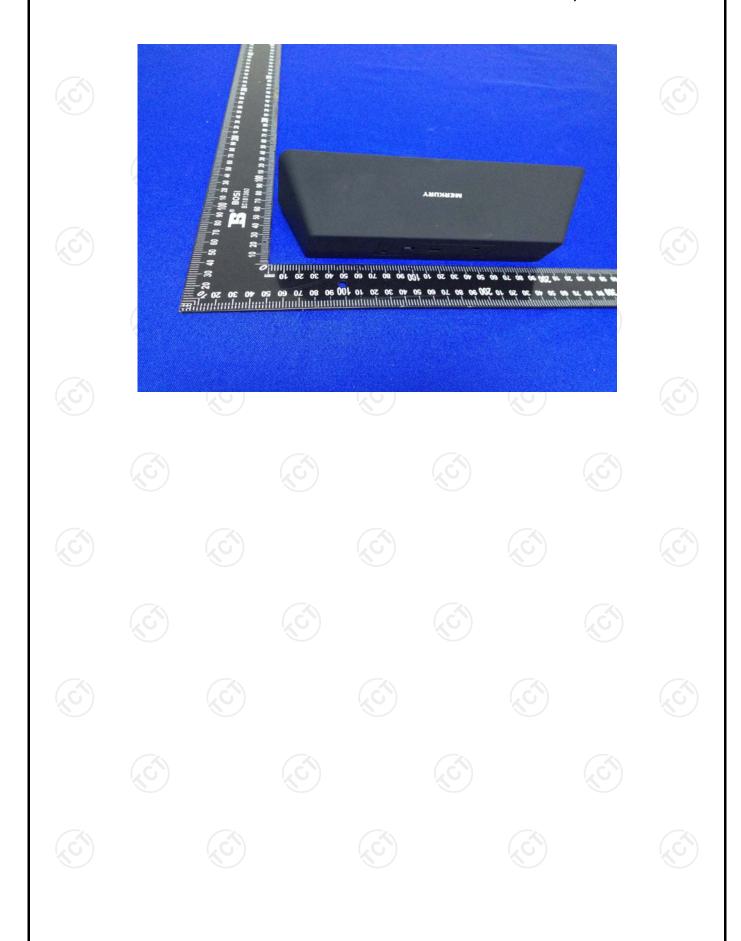














### Product: Bluetooth Speaker Model: CQL1539-B Internal Photos



