

FCC RADIO TEST REPORT FCC ID: 2AB6HPCD-42B

Product: Car audio combine machine

Trade Name: Power Acoustik / SOUNDSTREAM

Model Number: PCD-42B

Serial Model: VCD-32B

Report No.: BZT-140422022F

Prepared for

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TEST RESULT CERTIFICATION

Report No.: BZT-140422022F

| Applicant's name | | | | |
|--|--------------------------------------|---|--|-----------------------------|
| Address | 4th Floor, E GonaMina | Building 3rd,J Guana Mina r | uHui industrial zone, T new district, ShenZhen, (| ianLiao Community, China |
| Manufacture's Name | 0 0, | 0 0 | , | |
| Address | | | uHui industrial zone, T new district, ShenZhen, C | |
| Product description | | | | |
| Product name | . Car audio c | ombine machi | ne | |
| Model and/or type reference | PCD-42B | | | |
| Serial Model: | VCD-32B | | | |
| Ratings | DC 12V from | m battery | | |
| Standards | FCC Part15 | .247 | | |
| Test procedure | . ANSI C63.4 | -2003 | | |
| This device described aborequipment under test (EU to the tested sample identity This report shall not be represented to the tested sample identity identity to the tested sample identity identity to the tested sample identity identity identity identity identity identity ident | T) is in complified in the reportant | liance with the port. ept in full, with | FCC requirements. And | d it is applicable only |
| the document. | | | | |
| Date of Test | | | | |
| Date (s) of performance of | tests | 21 Mar. 2014 | ~28 Mar. 2014 | |
| Date of Issue | | 29 Mar. 2014 | | |
| Test Result | | Pass | | |
| | | | | |
| Testing E | ngineer | : | Apple Huang) | |
| Technica | l Manager | : | Tom 2 hang (Tom Zhang) | |
| Authorize | ed Signatory | : | Bovey Yang) | <u></u> |

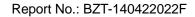
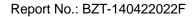




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1. SUMMARY OF TEST RESULTS

Test procedures according to the technical standards:

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|-----------------------------|----------|--------|--|
| Standard Section | Test Item | Judgment | Remark | |
| 15.207 | Conducted Emission | N/A | | |
| 15.247(a)(1) | Hopping Channel Separation | PASS | | |
| 15.247(b)(1) | Peak Output Power | PASS | | |
| 15.247(c) | Radiated Spurious Emission | PASS | | |
| 15.247(a)(iii) | Number of Hopping Frequency | PASS | | |
| 15.247(a)(iii) | Dwell Time | PASS | | |
| 15.247(a)(1) | Bandwidth | PASS | | |
| 15.205 | Band Edge Emission | PASS | | |
| 15.203 | Antenna Requirement | PASS | | |

NOTE:

(1)" N/A" denotes test is not applicable in this Test Report



1.1 TEST FACILITY

BZT Testing Technology Co., Ltd

Add.: 1/F, Building E, Fenda Science Park, Sanwei Community, Xixiang Street, Bao'an District,

Report No.: BZT-140422022F

Shenzhen P.R. China.

FCC Registration No.: 701733

1.2 MEASUREMENT UNCERTAINTY

The reported uncertainty of measurement $\mathbf{y} \pm \mathbf{U}$, where expended uncertainty \mathbf{U} is based on a standard uncertainty multiplied by a coverage factor of $\mathbf{k=2}$, providing a level of confidence of approximately 95 % $^{\circ}$

| No. | Item | Uncertainty |
|-----|------------------------------|-------------|
| 1 | Conducted Emission Test | ±1.38dB |
| 2 | RF power,conducted | ±0.16dB |
| 3 | Spurious emissions,conducted | ±0.21dB |
| 4 | All emissions,radiated(<1G) | ±4.68dB |
| 5 | All emissions,radiated(>1G) | ±4.89dB |
| 6 | Temperature | ±0.5°C |
| 7 | Humidity | ±2% |



2. GENERAL INFORMATION

2.1 GENERAL DESCRIPTION OF EUT

| Equipment | Car audio combine machine | | | |
|------------------------|---|--|--|--|
| Trade Name | Power Acoustik / SOUNDSTREAM | | | |
| Model Name | PCD-42B | | | |
| Serial Model | VCD-32B | | | |
| Model Difference | All the model are the sar except the model name, | me circuit and RF module, test mode is PCD-42B. | | |
| | The EUT is a Car audio Operation Frequency: Modulation Type: Bit Rate of Transmitter Number Of Channel | combine machine 2402~2480 MHz FHSS GFSK 79 CH | | |
| Product Description | Antenna Designation: Antenna Gain(Peak) Output | Please see Note 3. 0.5dBi | | |
| | Power(Conducted): 2.19 dBm (Max.) Based on the application, features, or specification exhibited in User's Manual, the EUT is considered as an ITE/Computing Device. More details of EUT technical specification, please refer to the User's Manual. | | | |
| Channel List | Please refer to the Note 2. | | | |
| Adapter | N/A | | | |
| Battery | Rated Voltage: 12V | | | |
| Connecting I/O Port(s) | Please refer to the User | 's Manual | | |

Note:

1. For a more detailed features description, please refer to the manufacturer's specifications or the User's Manual.



2

| | 1 | Chann | | T | 1 |
|---------|--------------------|---------|--------------------|---------|--------------------|
| Channel | Frequency (MHz) | Channel | Frequency (MHz) | Channel | Frequency (MHz) |
| 00 | 2402 | 27 | 2429 | 54 | 2456 |
| 01 | 2403 | 28 | 2430 | 55 | 2457 |
| 02 | 2404 | 29 | 2431 | 56 | 2458 |
| 03 | 2405 | 30 | 2432 | 57 | 2459 |
| 04 | 2406 | 31 | 2433 | 58 | 2460 |
| 05 | 2407 | 32 | 2434 | 59 | 2461 |
| 06 | 2408 | 33 | 2435 | 60 | 2462 |
| 07 | 2409 | 34 | 2436 | 61 | 2463 |
| 08 | 2410 | 35 | 2437 | 62 | 2464 |
| 09 | 2411 | 36 | 2438 | 63 | 2465 |
| 10 | 2412 | 37 | 2439 | 64 | 2466 |
| 11 | 2413 | 38 | 2440 | 65 | 2467 |
| 12 | 2414 | 39 | 2441 | 66 | 2468 |
| 13 | 2415 | 40 | 2442 | 67 | 2469 |
| 14 | 2416 | 41 | 2443 | 68 | 2470 |
| 15 | 2417 | 42 | 2444 | 69 | 2471 |
| 16 | 2418 | 43 | 2445 | 70 | 2472 |
| 17 | 2419 | 44 | 2446 | 71 | 2473 |
| 18 | 2420 | 45 | 2447 | 72 | 2474 |
| 19 | 2421 | 46 | 2448 | 73 | 2475 |
| 20 | 2422 | 47 | 2449 | 74 | 2476 |
| 21 | 2423 | 48 | 2450 | 75 | 2477 |
| 22 | 2424 | 49 | 2451 | 76 | 2478 |
| 23 | 2425 | 50 | 2452 | 77 | 2479 |
| 24 | 2426 | 51 | 2453 | 78 | 2480 |
| 25 | 2427 | 52 | 2454 | | |
| 26 | 2428 | 53 | 2455 | | |

3. Table for Filed Antenna

| Ant | Brand | Model Name | Antenna Type | Connector | Gain (dBi) | NOTE |
|-----|-------|------------|--------------|-----------|------------|---------------|
| 1 | N/A | N/A | PCB Antenna | NA | 0.5 | BT Antenna |

The EUT antenna is integral Antenna. no antenna other than that furnished by the responsible party shall be used with the device.



2.2 DESCRIPTION OF TEST MODES

To investigate the maximum EMI emission characteristics generates from EUT, the test system was pre-scanning tested base on the consideration of following EUT operation mode or test configuration mode which possible have effect on EMI emission level. Each of these EUT operation mode(s) or test configuration mode(s) mentioned above was evaluated respectively.

Report No.: BZT-140422022F

| Pretest Mode | Description |
|--------------|-------------|
| Mode 1 | CH00 |
| Mode 2 | CH39 |
| Mode 3 | CH78 |

| For Conducted Emission | | |
|------------------------|-------------|--|
| Final Test Mode | Description | |
| Mode4 | Link mode | |

| For Radiated Emission | | |
|-----------------------|-------------|--|
| Final Test Mode | Description | |
| Mode 1 | CH00 | |
| Mode 2 | CH39 | |
| Mode 3 | CH78 | |
| Mode4 | Link mode | |

Note:

(1) The measurements are performed at the highest, middle, lowest available channels.

2.3 TABLE OF PARAMETERS OF TEXT SOFTWARE SETTING

During testing channel & power controlling software provided by the customer was used to control the operating channel as well as the output power level. The RF output power selection is for the setting of RF output power expected by the customer and is going to be fixed on the firmware of the final end product power parameters of FHSS

| Test software Version | Test program: BT903 | | | | |
|-----------------------|---------------------|----------|----------|--|--|
| Frequency | 2402 MHz | 2441 MHz | 2480 MHz | | |
| Parameters(1Mbps) | DEF | DEF | DEF | | |





2.4 BLOCK DIGRAM SHOWING THE CONFIGURATION OF SYSTEM TESTED

E-1 EUT C-1 E-2 Battery



2.5 DESCRIPTION OF SUPPORT UNITS(CONDUCTED MODE)

The EUT has been tested as an independent unit together with other necessary accessories or support units. The following support units or accessories were used to form a representative test configuration during the tests.

| Item | Equipment | Mfr/Brand | Model/Type No. | Series No. | Note |
|------|---------------------------|-----------|----------------|------------|------|
| E-1 | Car audio combine machine | N/A | PCD-42B | N/A | EUT |
| E-2 | Battery | N/A | N/A | N/A | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

| Item | Shielded Type | Ferrite Core | Length | Note |
|------|---------------|--------------|--------|------|
| C-1 | No | No | 0.5M | |
| | | | | |
| | | | | |
| | | | | |
| | | | | |

Note:

- (1) The support equipment was authorized by Declaration of Confirmation.
- (2) For detachable type I/O cable should be specified the length in cm in <code>"Length_"</code> column.
- (3) "YES" is means "shielded" "with core"; "NO" is means "unshielded" "without core".



2.6 EQUIPMENTS LIST FOR ALL TEST ITEMS

Radiation Test equipment

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|------------------------|--------------|-------------|------------------|------------------|
| 1 | Spectrum Analyzer | Agilent | E4407B | 160400005 | Jul. 06. 2014 |
| 2 | Test Receiver | R&S | ESPI | 101318 | Jul. 06. 2014 |
| 3 | Bilog Antenna | TESEQ | CBL6111D | 31216 | Nov.23. 2014 |
| 4 | 50Ω Coaxial Switch | Anritsu | MP59B | 6200264416 | Jul. 06. 2014 |
| 5 | Spectrum Analyzer | ADVANTEST | R3132 | 150900201 | Jul. 06. 2014 |
| 6 | Horn Antenna | EM | EM-AH-10180 | 2011071402 | Nov.23. 2014 |
| 7 | Horn Ant | Schwarzbeck | BBHA 9170 | 9170-181 | Jul. 06. 2014 |
| 8 | Amplifier | EM | EM-30180 | 060538 | Jul. 06. 2014 |
| 9 | Loop Antenna | ARA | PLA-1030/B | 1029 | Jul. 06. 2014 |
| 10 | Power Meter | R&S | NRVS | 100696 | Jul. 06. 2014 |
| 11 | Power Sensor (Peak) | R&S | NRV-Z31 | 0396.0101.1 9 | Jul. 06. 2014 |

Conduction Test equipment

| Item | Kind of Equipment | Manufacturer | Type No. | Serial No. | Calibrated until |
|------|--------------------------|--------------|----------|------------|------------------|
| 1 | Test Receiver | R&S | ESCI | 101160 | Jul. 06. 2014 |
| 2 | LISN | R&S | ENV216 | 101313 | Jul. 06. 2014 |
| 3 | LISN | EMCO | 3816/2 | 00042990 | Jul. 06. 2014 |
| 4 | 50Ω Coaxial Switch | Anritsu | MP59B | 6200264417 | Jul. 06. 2014 |
| 5 | Passive Voltage Probe | R&S | ESH2-Z3 | 100196 | Jul. 06. 2014 |
| 6 | Absorbing clamp | R&S | MOS-21 | 100423 | Jul. 06. 2014 |



3. EMC EMISSION TEST

3.1 CONDUCTED EMISSION MEASUREMENT

3.1.1 POWER LINE CONDUCTED EMISSION Limits (Frequency Range 150KHz-30MHz)

| Class A | | (dBuV) | Class B | (dBuV) | Ctondord |
|-----------------|------------|---------|------------|-----------|----------|
| FREQUENCY (MHz) | Quasi-peak | Average | Quasi-peak | Average | Standard |
| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * | CISPR |
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 | CISPR |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 | CISPR |

| 0.15 -0.5 | 79.00 | 66.00 | 66 - 56 * | 56 - 46 * | FCC |
|-----------|-------|-------|-----------|-----------|-----|
| 0.50 -5.0 | 73.00 | 60.00 | 56.00 | 46.00 | FCC |
| 5.0 -30.0 | 73.00 | 60.00 | 60.00 | 50.00 | FCC |

Note:

- (1) The tighter limit applies at the band edges.
- (2) The limit of " * " marked band means the limitation decreases linearly with the logarithm of the frequency in the range.

The following table is the setting of the receiver

| Receiver Parameters | Setting |
|---------------------|----------|
| Attenuation | 10 dB |
| Start Frequency | 0.15 MHz |
| Stop Frequency | 30 MHz |
| IF Bandwidth | 9 kHz |



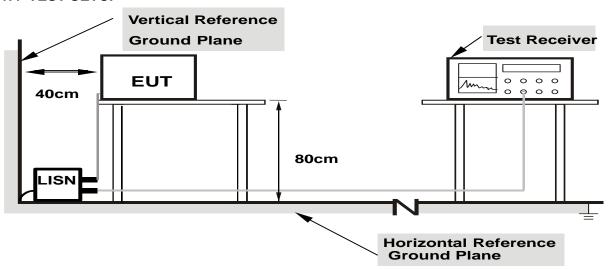
3.1.2 TEST PROCEDURE

- a. The EUT was placed 0.4 meters from the horizontal ground plane with EUT being connected to the power mains through a line impedance stabilization network (LISN). All other support equipments powered from additional LISN(s). The LISN provide 50 Ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Interconnecting cables that hang closer than 40 cm to the ground plane shall be folded back and forth in the center forming a bundle 30 to 40 cm long.
- c. I/O cables that are not connected to a peripheral shall be bundled in the center. The end of the cable may be terminated, if required, using the correct terminating impedance. The overall length shall not exceed 1 m.
- d. LISN at least 80 cm from nearest part of EUT chassis.
- e. For the actual test configuration, please refer to the related Item -EUT Test Photos.

3.1.3 DEVIATION FROM TEST STANDARD

No deviation

3.1.4 TEST SETUP



Note: 1.Support units were connected to second LISN.

2.Both of LISNs (AMN) are 80 cm from EUT and at least 80 from other units and other metal planes

3.1.5 EUT OPERATING CONDITIONS

The EUT was configured for testing in a typical fashion (as a customer would normally use it). The EUT has been programmed to continuously transmit during test. This operating condition was tested and used to collect the included data.





3.1.6 TEST RESULTS

EUT: Model Name. : Car audio combine machine PCD-42B Temperature : Relative Humidity: **26** ℃ 54% Pressure: 1010hPa Phase: Test Voltage : Test Mode: N/A N/A Note: EUT power supply by battery, so the test not applicable.



3.2 RADIATED EMISSION MEASUREMENT

3.2.1 RADIATED EMISSION LIMITS (Frequency Range 9kHz-1000MHz)

20dBc in any 100 kHz bandwidth outside the operating frequency band. In case the emission fall within the restricted band specified on 15.205(a), then the 15.209(a) limit in the table below has to be followed.

| Frequencies | Field Strength | Measurement Distance |
|-------------|--------------------|----------------------|
| (MHz) | (micorvolts/meter) | (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 |

LIMITS OF RADIATED EMISSION MEASUREMENT (Above 1000MHz)

| EDECLIENCY (MH-) | Class A (dBu | ıV/m) (at 3M) | Class B (dBuV/m) (at 3M) | | |
|------------------|--------------|---------------|--------------------------|---------|--|
| FREQUENCY (MHz) | PEAK AVERAGE | | PEAK | AVERAGE | |
| Above 1000 | 80 | 60 | 74 | 54 | |

Notes:

- (1) The limit for radiated test was performed according to FCC PART 15C.
- (2) The tighter limit applies at the band edges.
- (3) Emission level (dBuV/m)=20log Emission level (uV/m).

FREQUENCY RANGE OF RADIATED MEASUREMENT (For unintentional radiators)

| Highest frequency generated or Upper frequency of measurement used in the device or on which the device operates or tunes (MHz) | Range (MHz) |
|---|---|
| Below 1.705 | 30 |
| 1.705 – 108 | 1000 |
| 108 – 500 | 2000 |
| 500 – 1000 | 5000 |
| Above 1000 | 5 th harmonic of the highest frequency or 40 GHz, whichever is lower |



| Spectrum Parameter | Setting |
|---------------------------------|--|
| Attenuation | Auto |
| Start Frequency | 1000 MHz |
| Stop Frequency | 10th carrier harmonic |
| RB / VB (emission in restricted | 1 MHz / 1 MHz for Dook 1 MHz / 10Hz for Average |
| band) | 1 MHz / 1 MHz for Peak, 1 MHz / 10Hz for Average |

| Receiver Parameter | Setting |
|------------------------|----------------------------------|
| Attenuation | Auto |
| Start ~ Stop Frequency | 9kHz~150kHz / RB 200Hz for QP |
| Start ~ Stop Frequency | 150kHz~30MHz / RB 9kHz for QP |
| Start ~ Stop Frequency | 30MHz~1000MHz / RB 120kHz for QP |

3.2.2 TEST PROCEDURE

- a. The measuring distance of at 3 m shall be used for measurements at frequency up to 1GHz. For frequencies above 1GHz, any suitable measuring distance may be used.
- b. The EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 meter open area test site. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The height of the equipment or of the substitution antenna shall be 0.8 m; the height of the test antenna shall vary between 1 m to 4 m. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- d. The initial step in collecting conducted emission data is a spectrum analyzer peak detector mode pre-scanning the measurement frequency range. Significant peaks are then marked and then Quasi Peak detector mode re-measured.
- e. If the Peak Mode measured value compliance with and lower than Quasi Peak Mode Limit, the EUT shall be deemed to meet QP Limits and then no additional QP Mode measurement performed.
- f. For the actual test configuration, please refer to the related Item –EUT Test Photos. Note:

Both horizontal and vertical antenna polarities were tested and performed pretest to three orthogonal axis. The worst case emissions were reported

3.2.3 DEVIATION FROM TEST STANDARD

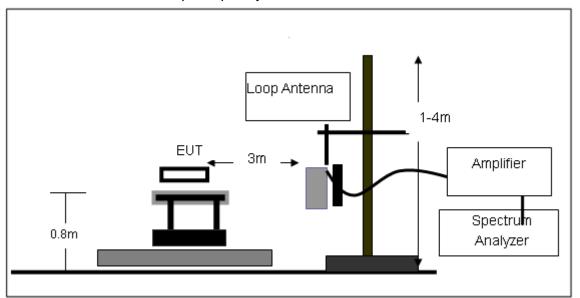
No deviation



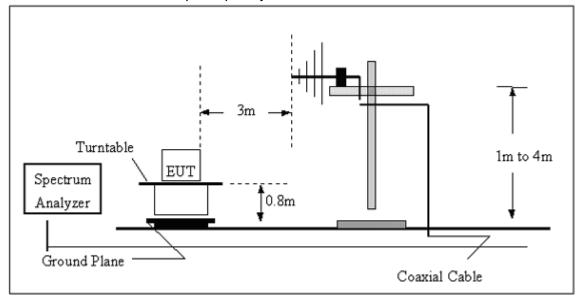
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3.2.4 TEST SETUP

(A) Radiated Emission Test-Up Frequency Below 30MHz

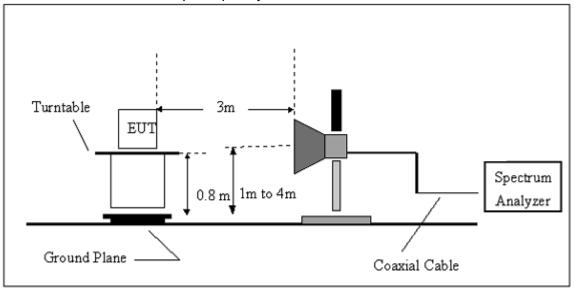


(B) Radiated Emission Test-Up Frequency 30MHz~1GHz





(C) Radiated Emission Test-Up Frequency Above 1GHz



3.2.5 EUT OPERATING CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.





3.2.6 TEST RESULTS (BELOW 30 MHZ)

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|----------------|---------------------------|--------------------|---------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure: | 1010 hPa | Polarization : | |
| Test Voltage : | DC 12V from battery | | |
| Test Mode : | Link mode | | |

| Freq. | Reading | Limit | Margin | State |
|-------|----------|----------|--------|-------|
| (MHz) | (dBuV/m) | (dBuV/m) | (dB) | P/F |
| | | | | PASS |
| | | | | PASS |

NOTE:

The amplitude of spurious emissions which are attenuated by more than 20dB below the permissible value has no need to be reported.

Distance extrapolation factor =40 log (specific distance/test distance)(dB); Limit line = specific limits(dBuv) + distance extrapolation factor.



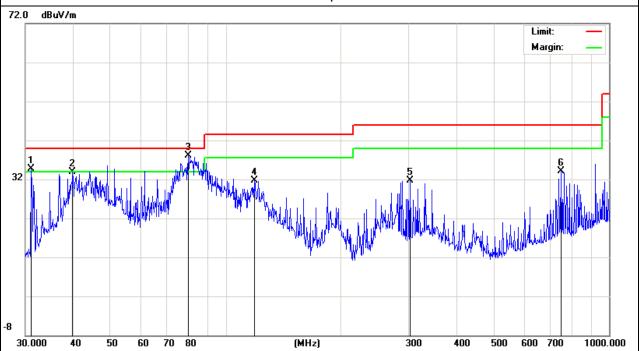
3.2.7 TEST RESULTS (BETWEEN 30M - 1000 MHZ)

| EUT: | Car audio combine machine | Model Name : | PCD-42B | | |
|----------------|---------------------------|--------------------|------------|--|--|
| Temperature: | 20 ℃ | Relative Humidity: | 48% | | |
| Pressure: | 1010 hPa | Polarization: | Horizontal | | |
| Test Voltage : | DC 12V from battery | | | | |
| Test Mode : | Link mode | | | | |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|---------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 31.0705 | 16.76 | 17.86 | 34.62 | 40 | -5.38 | QP |
| 39.8541 | 20.45 | 13.46 | 33.91 | 40 | -6.09 | QP |
| 79.8002 | 30.34 | 7.76 | 38.1 | 40 | -1.9 | QP |
| 118.6013 | 19.65 | 12.05 | 31.7 | 43.5 | -11.8 | QP |
| 302.4812 | 16.99 | 14.81 | 31.8 | 46 | -14.2 | QP |
| 750.1082 | 7.71 | 26.39 | 34.1 | 46 | -11.9 | QP |

Remark:

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







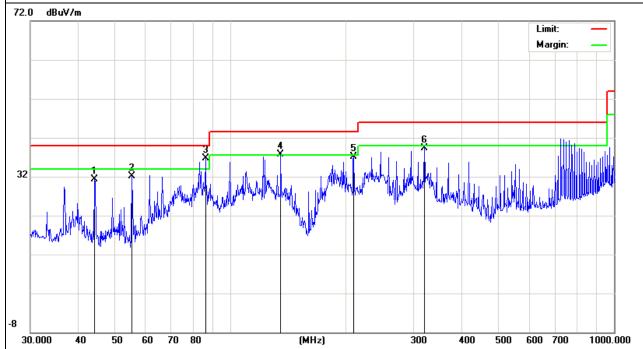
EUT: Car audio combine machine Model Name : PCD-42B Temperature : Relative Humidity: 20 ℃ 48% Pressure: 1010 hPa Polarization: Vertical Test Voltage : DC 12V from battery Test Mode : Link mode

Report No.: BZT-140422022F

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Dotootor Typo |
|-----------|---------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 44.12 | 20.13 | 11.09 | 31.22 | 40 | -8.78 | QP |
| 55.2207 | 25.86 | 6.21 | 32.07 | 40 | -7.93 | QP |
| 85.8983 | 27.83 | 8.9 | 36.73 | 40 | -3.27 | QP |
| 135.0319 | 25.46 | 12.25 | 37.71 | 43.5 | -5.79 | QP |
| 209.3129 | 27.43 | 9.65 | 37.08 | 43.5 | -6.42 | QP |
| 319.937 | 23.82 | 15.44 | 39.26 | 46 | -6.74 | QP |

Remark:

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





3.2.8 TEST RESULTS (ABOVE 1000 MHZ)

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure : | 1010 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | TX 2402MHz – CH 00(1Mbps) | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Dotootor Typo |
|-----------|---------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4804 | 59.32 | -3.64 | 55.68 | 74 | -18.32 | peak |
| 4804 | 49.22 | -3.64 | 45.58 | 54 | -8.42 | AVG |
| 7206 | 53.96 | -0.95 | 53.01 | 74 | -20.99 | peak |
| 7206 | 46.21 | -0.95 | 45.26 | 54 | -8.74 | AVG |
| 9608 | 46.35 | 2.15 | 48.5 | 74 | -25.5 | peak |
| 9608 | 36.68 | 2.15 | 38.83 | 54 | -15.17 | AVG |

Remark:

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

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure: | 1010 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | TX 2402MHz – CH 00(1Mbps) | Polarization : | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | |
|-----------|---------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4804 | 52.08 | -3.64 | 48.44 | 74 | -25.56 | peak |
| 4804 | 44.22 | -3.64 | 40.58 | 54 | -13.42 | AVG |
| 7206 | 53.11 | -0.95 | 52.16 | 74 | -21.84 | peak |
| 7206 | 42.13 | -0.95 | 41.18 | 54 | -12.82 | AVG |
| 9608 | 42.95 | 2.15 | 45.1 | 74 | -28.9 | peak |
| 9608 | 35.12 | 2.15 | 37.27 | 54 | -16.73 | AVG |

Remark:

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



| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure: | 1010 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | TX 2441MHz – CH 39(1Mbps) | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type |
|-----------|---------------|--------|----------------|----------|--------|---------------|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type |
| 4882 | 54.11 | -3.68 | 50.43 | 74 | -23.57 | peak |
| 4882 | 43.21 | -3.68 | 39.53 | 54 | -14.47 | AVG |
| 7323 | 51.26 | -0.82 | 50.44 | 74 | -23.56 | peak |
| 7323 | 43.97 | -0.82 | 43.15 | 54 | -10.85 | AVG |
| 9764 | 51.22 | 0.81 | 52.03 | 74 | -21.97 | peak |
| 9764 | 40.21 | 0.81 | 41.02 | 54 | -12.98 | AVG |

Remark:

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

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure: | 1010 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | TX 2441MHz – CH 39(1Mbps) | Polarization : | Vertical |

| | 1 | | 1 | | I | ı |
|-----------|---------------|--------|------------------------|-------------|---------------|------|
| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | |
| (MHz) | (dBµV) | (dB) | (dBµV/m) (dBµV/m) (dB) | | Detector Type | |
| 4882 | 51.23 | -3.68 | 47.55 | 5 74 -26.45 | | peak |
| 4882 | 37.21 | -3.68 | 33.53 | 54 | -20.47 | AVG |
| 7323 | 54.95 | -0.82 | 54.13 | 74 | -19.87 | peak |
| 7323 | 43.71 | -0.82 | 42.89 | 54 | -11.11 | AVG |
| 9764 | 49.29 | 0.81 | 50.1 | 74 | -23.9 | peak |
| 9764 | 40.87 | 0.81 | 41.68 | 54 | -12.32 | AVG |

Remark:

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



| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure: | 1010 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | TX 2480MHz – CH 78(1Mbps) | Polarization : | Horizontal |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type | |
|-----------|---------------|--------|-----------------|----------|--------|---------------|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | | |
| 4960 | 53.05 | -3.59 | 49.46 74 -24.54 | | peak | | |
| 4960 | 42.09 | -3.59 | 38.5 | 54 | -15.5 | AVG | |
| 7440 | 51.27 | -0.69 | 50.58 | 74 | -23.42 | peak | |
| 7440 | 42.14 | -0.69 | 41.45 | 54 | -12.55 | AVG | |
| 9920 | 42.92 | 1.14 | 44.06 74 -29.94 | | peak | | |
| 9920 | 38.81 | 1.14 | 39.95 | 54 | -14.05 | AVG | |

Remark:

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

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 20 ℃ | Relative Humidity: | 48% |
| Pressure: | 1010 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | TX 2480MHz – CH 78(1Mbps) | Polarization: | Vertical |

| Frequency | Meter Reading | Factor | Emission Level | Limits | Margin | Detector Type | |
|-----------|---------------|---------------------|-----------------------|----------|-----------|---------------|--|
| (MHz) | (dBµV) | (dB) | (dBµV/m) | (dBµV/m) | (dB) | Detector Type | |
| 4960 | 53.25 | -3.59 | -3.59 49.66 74 -24.34 | | peak | | |
| 4960 | 43.01 | -3.59 | 39.42 | 54 | 54 -14.58 | | |
| 7440 | 45.25 | -0.69 | 44.56 74 | | -29.44 | peak | |
| 7440 | 40.91 | 0.91 -0.69 40.22 54 | | -13.78 | AVG | | |
| 9920 | 43.13 | 1.14 | 44.27 74 -29.73 | | peak | | |
| 9920 | 39.19 | 1.14 | 40.33 | 54 | -13.67 | AVG | |

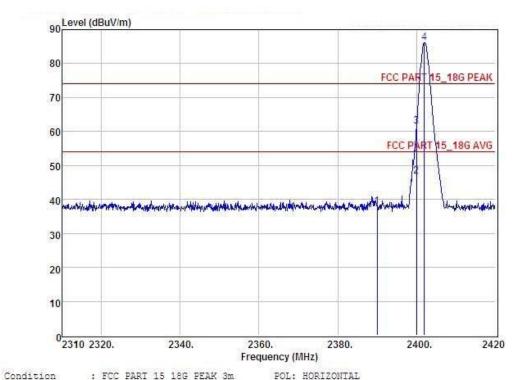
Remark:

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



3.2.9 TEST RESULTS (RESTRICTED BANDS REQUIREMENTS)

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|----------------|---------------------------|--------------------|------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure: | 1012 hPa | Polarization : | Horizontal |
| Test Voltage : | DC 12V from battery | | |
| Test Mode : | CH00 for GFSK | | |



| 1 | [tem | Freq | Read Level | Antenna Factor | Preamp Factor | Cable Loss | Level | Limit | Margin | Remark |
|-----|------|---------|---------------|-------------------|------------------|---------------|-------|-------|--------|---------|
| | | MHz | dBuV | dB | dB | dB | dBuV | dBuV | dBuV | |
| 150 | 1 | 2390,00 | 41.22 | 27.62 | 34.97 | 3.92 | 37.79 | 74.00 | -36.21 | Peak |
| | 2 | 2400.00 | 50.26 | 27.62 | 34.97 | 3.94 | 46.85 | 54.00 | -7.15 | Average |
| | 3 | 2400.00 | 64.97 | 27.62 | 34.97 | 3.94 | 61.56 | 74.00 | -12.44 | Peak |
| | 4 | 2402.00 | 89.57 | 27.62 | 34.97 | 3.94 | 86.16 | 74.00 | 12.16 | Peak |
| | | | | | | | | | | |



Test Mode :

CH00 for GFSK

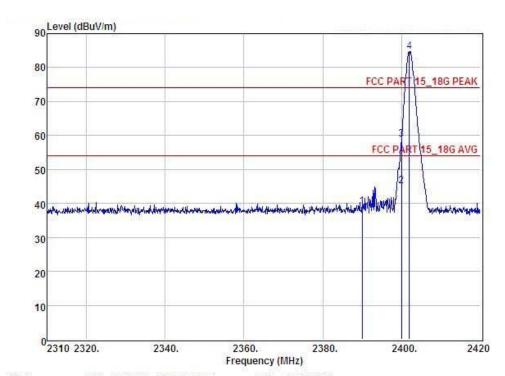
EUT: Car audio combine machine Model Name: PCD-42B

Temperature: 25 °C Relative Humidity: 60%

Pressure: 1012 hPa Polarization: Vertical

Test Voltage: DC 12V from battery

Report No.: BZT-140422022F



| Conditi | on : | FCC PART 1 | 5_18G PEAK | 3m | POL: VERT | ICAL | | | |
|---------|---------|---------------|------------|------------------|-----------|-------|-------|--------|---------|
| Item | Freq | Read Level | | Preamp Factor | | Level | Limit | Margin | Remark |
| | MHz | dBuV | dB | dB | dB | dBuV | dBuV | dBuV | |
| 1 | 2390.00 | 42.64 | 27.62 | 34.97 | 3.92 | 39.21 | 74.00 | -34.79 | Peak |
| 2 | 2400.00 | 48.54 | 27.62 | 34.97 | 3.94 | 45.13 | 54.00 | -8.87 | Average |
| 3 | 2400.00 | 62.33 | 27.62 | 34.97 | 3.94 | 58.92 | 74.00 | -15.08 | Peak |
| 4 | 2402.00 | 88.19 | 27.62 | 34.97 | 3.94 | 84.78 | 74.00 | 10.78 | Peak |



Test Mode :

CH78 for GFSK

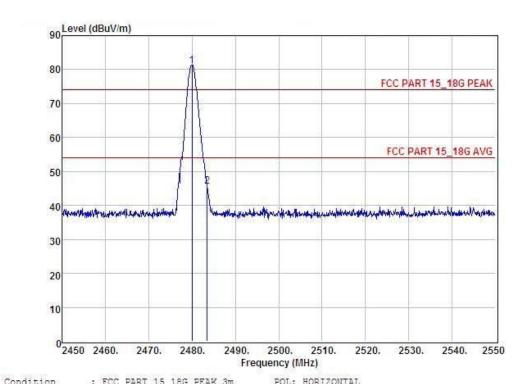
EUT: Car audio combine machine Model Name: PCD-42B

Temperature: 25 °C Relative Humidity: 60%

Pressure: 1012 hPa Polarization: Horizontal

Test Voltage: DC 12V from battery

Report No.: BZT-140422022F

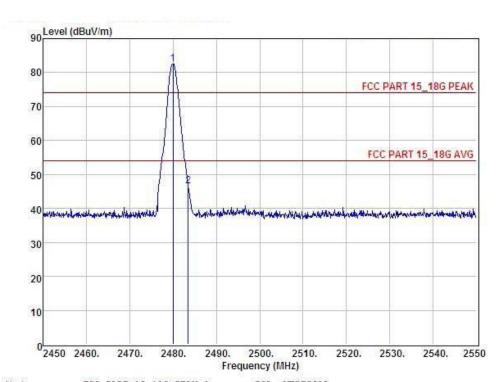


| Conditi | on : | FUC FARI I | 5_10G PEAK | om . | POL: HORIZ | CONTAL | | | |
|---------|---------|------------|------------|------------------|------------|--------|-------|--------|---------------|
| Item | Freq | | | Preamp Factor | | Level | Limit | Margin | Remark |
| | MHz | dBuV | dB | dB | dB | dBuV | dBuV | dBuV | Cilescredical |
| 100 | | | | 34.97 | | 81.17 | 74.00 | 7.17 | Peak |
| 2 | 2483.50 | 49.05 | 27.59 | 34.97 | 4.00 | 45.67 | 74.00 | -28.33 | Peak |



EUT: Car audio combine machine Model Name: PCD-42B
Temperature: 25 °C Relative Humidity: 60%
Pressure: 1012 hPa Polarization: Vertical
Test Voltage: DC 12V from battery
Test Mode: CH78 for GFSK

Report No.: BZT-140422022F



| nditi | on : | FCC PART 1 | 5_18G PEAK | 3m 1 | POL: VERTI | CAL | | | |
|-------|------|---------------|-------------------------------------|------------------------|---|---|---|---|---|
| Item | Freq | Read Level | Antenna Factor | Preamp Factor | Cable Loss | Level | Limit | Margin | Remark |
| | MHz | dBuV | dB | dB | dB | dBuV | dBuV | dBuV | |
| | | 85.84 | 27.59 | 34.97 | 4.00 | 82.46 | 74.00 | 8.46 | Peak Peak |
| | Item | Item Freq | Item Freq Read Level MHz dBuV | Item Freq Read Antenna | Item Freq Read Level Factor Factor Factor Factor MHz dBuV dB dB 1 2480.00 85.84 27.59 34.97 | Tem Freq Read Antenna Preamp Cable Level Factor Factor Loss MHz dBuV dB dB dB | Tem Freq Read Antenna Preamp Cable Level Level Factor Factor Loss MHz dBuV dB dB dB dB dB dB dB d | Item Freq Read Level Factor Factor Loss Level GBuV Factor GBuV Level GBuV ABUV ABUV <th< td=""><td>Item Freq Read Level Antenna Preamp Cable Level Limit Margin Level Level Factor Factor Loss MHz dBuV dB dB dBuV <td< td=""></td<></td></th<> | Item Freq Read Level Antenna Preamp Cable Level Limit Margin Level Level Factor Factor Loss MHz dBuV dB dB dBuV dBuV <td< td=""></td<> |

Hopping for GFSK



Test Mode :

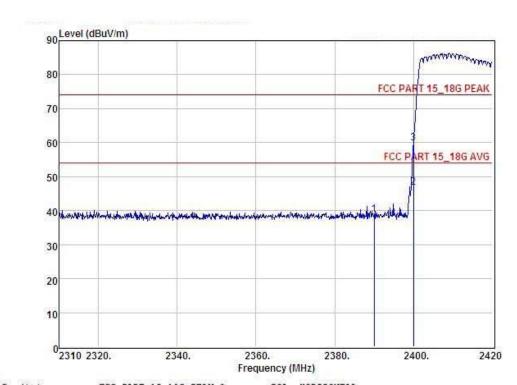
EUT: Car audio combine machine Model Name: PCD-42B

Temperature: 25 °C Relative Humidity: 60%

Pressure: 1012 hPa Polarization: Horizontal

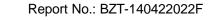
Test Voltage: DC 12V from battery

Report No.: BZT-140422022F



| Conditi | on : | FCC PART 1 | .5_18G PEAK | 3m : | POL: HORIZ | ZONTAL | | | |
|---------|---------|-------------------|-------------|------------------|---------------|--------|-------|--------|-----------------|
| Item | Freq | req Read Level | | Preamp Factor | Cable Loss | Level | Limit | Margin | Remark |
| | MHz | dBuV | dB | dB | dB | dBu∇ | dBuV | dBuV | e ilmacontinui. |
| 1 | 2390.00 | 42.29 | 27.62 | 34.97 | 3.92 | 38.86 | 74.00 | -35.14 | Peak |
| 2 | 2400.00 | 50.32 | 27.62 | 34.97 | 3.94 | 46.91 | 54.00 | -7.09 | Average |
| 3 | 2400.00 | 63.32 | 27.62 | 34.97 | 3.94 | 59.91 | 74.00 | -14.09 | Peak |
| | | | | | | | | | |

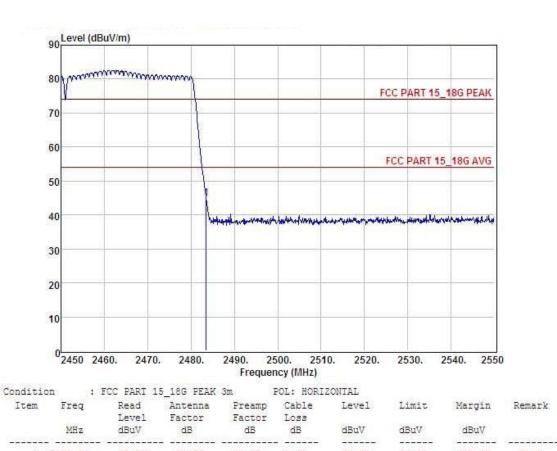




74.00

-29.09 Peak

44.91



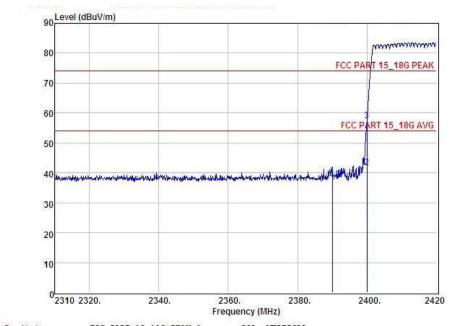
Remark: Level = Read Level + Antenna Factor - Preamp Factor + Cable Loss

48.29 27.59 34.97 4.00

1 2483.50

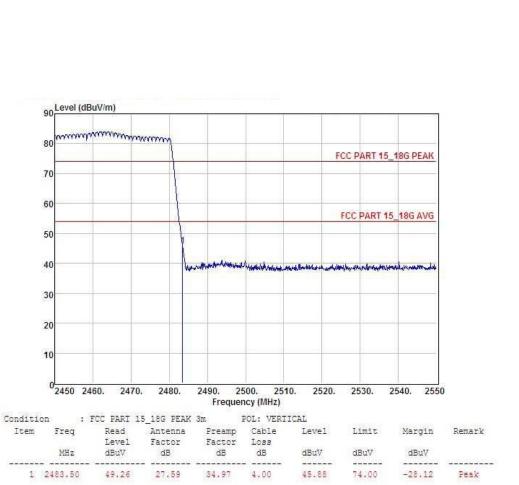


| EUT: | Car audio combine machine | Model Name : | PCD-42B | |
|----------------|---------------------------|--------------------|----------|--|
| Temperature: | 25 ℃ | Relative Humidity: | 60% | |
| Pressure: | 1012 hPa | Polarization: | Vertical | |
| Test Voltage : | DC 12V from battery | | | |
| Test Mode : | Hopping for GFSK | | | |



| Condition | on : | FCC PART 1 | 5_18G PEAK | 3m 1 | POL: VERTI | CAL | | | |
|-----------|---------|------------|------------|------------------|------------|----------------|----------------|------------------|-----------------|
| Item | Freq | | | Preamp Factor | | Level | Limit | Margin | Remark |
| | MHz | dBuV | dB | dB | dB | dBuV | dBuV | dBuV | |
| 1 | 2390,00 | 41.38 | 27.62 | 34.97 | 3.92 | 37.95 | 74.00 | -36.05 | Peak |
| | 2400.00 | | 27.62 | 34.97 | 3.94 | 41.72 57.51 | 54.00 74.00 | -12.28 -16.49 | Average Peak |







4. NUMBER OF HOPPING CHANNEL

4.1 APPLIED PROCEDURES / LIMIT

| | FCC Part15 (15.247), Subpart C | | | | |
|-----------------------|--------------------------------|-------|--------------------------|--------|--|
| Section | Test Item | Limit | Frequency Range (MHz) | Result | |
| 15.247 (a)(1)(iii) | Number of Hopping Channel | ≥15 | 2400-2483.5 | PASS | |

| Spectrum Parameters | Setting |
|---------------------|-----------------------------|
| Attenuation | Auto |
| Span Frequency | > Operating Frequency Range |
| RB | 100 kHz |
| VB | 100 kHz |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

4.1.1 TEST PROCEDURE

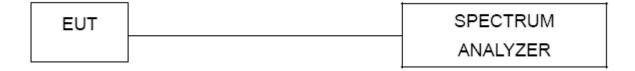
a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,

b. Spectrum Setting: RBW= 100KHz, VBW=100KHz, Sweep time = Auto.

4.1.2 DEVIATION FROM STANDARD

No deviation.

4.1.3 TEST SETUP



4.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



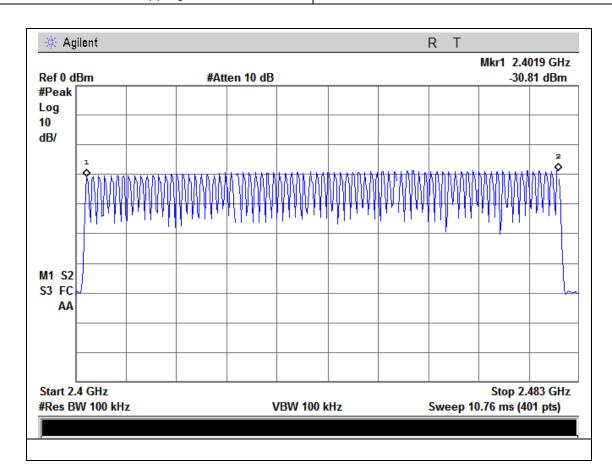


4.1.5 TEST RESULTS

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure: | 1015 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | Hopping Mode for GFSK | | |

| Number of Hopping Channel | 79 |
|---------------------------|----|

Report No.: BZT-140422022F





5. AVERAGE TIME OF OCCUPANCY

5.1 APPLIED PROCEDURES / LIMIT

| | FCC Part15 (15.247) , Subpart C | | | | |
|-----------------------|---------------------------------|--------|--------------------------|--------|--|
| Section | Test Item | Limit | Frequency Range (MHz) | Result | |
| 15.247 (a)(1)(iii) | Average Time of Occupancy | 0.4sec | 2400-2483.5 | PASS | |

5.1.1 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyzer
- b. Set RBW of spectrum analyzer to 1MHz and VBW to 1MHz.
- c. Use a video trigger with the trigger level set to enable triggering only on full pulses.
- d. Sweep Time is more than once pulse time.
- e. Set the center frequency on any frequency would be measure and set the frequency span to zero span.
- f. Measure the maximum time duration of one single pulse.
- g. Set the EUT for DH5, DH3 and DH1 packet transmitting.
- h. Measure the maximum time duration of one single pulse.
- i. DH5 Packet permit maximum 1600/79/6 = 3.37 hops per second in each channel (5 time slots RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $3.37 \times 31.6 = 106.6$ within 31.6 seconds.
- j. DH3 Packet permit maximum 1600 / 79 / 4 = 5.06 hops per second in each channel (3 time slots RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $5.06 \times 31.6 = 160$ within 31.6 seconds.
- k. DH1 Packet permit maximum 1600 / 79 / 2 = 10.12 hops per second in each channel (1 time slot RX, 1 time slot TX). So, the dwell time is the time duration of the pulse times $10.12 \times 31.6 = 320$ within 31.6 seconds.

5.1.2 DEVIATION FROM STANDARD

No deviation.

5.1.3 TEST SETUP



5.1.4 EUT OPERATION CONDITIONS

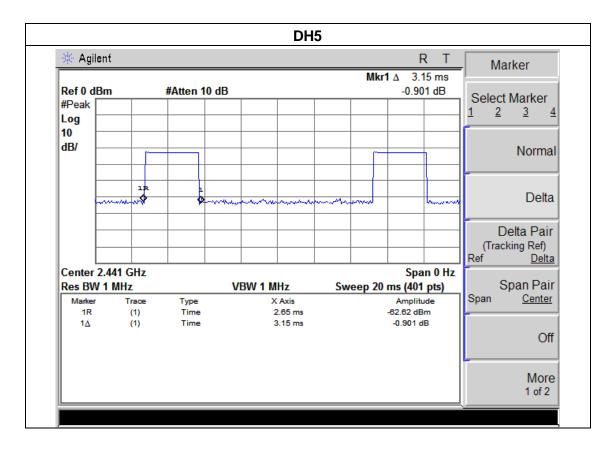
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



5.1.5 TEST RESULTS

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure: | 1012 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | CH39- DH5 | | |

| Data Packet | Pulse Duration | Dwell Time | Limits |
|-------------|----------------|------------|--------|
| | (ms) | (s) | (s) |
| DH5 | 3.15 | 0.34 | 0.4000 |



NOTE: The dwell time is showed the maximum data of all data (DH1, DH3, DH5), DH5 of mode have the maximum dwell time.



6. HOPPING CHANNEL SEPARATION MEASUREMENT

6.1 APPLIED PROCEDURES / LIMIT

Frequency hopping systems operating in the 2400-2483.5 MHz band may have hopping channel carrier frequencies that are separated by 25 kHz or two-thirds of the 20 dB bandwidth of the hopping channel, whichever is greater.

Report No.: BZT-140422022F

| Spectrum Parameter | Setting |
|--------------------|---|
| Attenuation | Auto |
| Span Frequency | > Measurement Bandwidth or Channel Separation |
| RB | 30 kHz (20dB Bandwidth) / 100 kHz (Channel Separation) |
| VB | 100 kHz (20dB Bandwidth) / 100 kHz (Channel Separation) |
| Detector | Peak |
| Trace | Max Hold |
| Sweep Time | Auto |

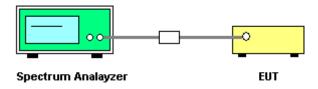
6.1.1 TEST PROCEDURE

- a. The transmitter output (antenna port) was connected to the spectrum analyser in peak hold mode.
- b. The resolution bandwidth of 30 kHz and the video bandwidth of 100 kHz were utilised for 20 dB bandwidth measurement.
- c. The resolution bandwidth of 100 kHz and the video bandwidth of 100 kHz were utilised for channel separation measurement.

6.1.2 DEVIATION FROM STANDARD

No deviation.

6.1.3 TEST SETUP



6.1.4 EUT OPERATION CONDITIONS

The EUT was programmed to be in continuously transmitting mode.



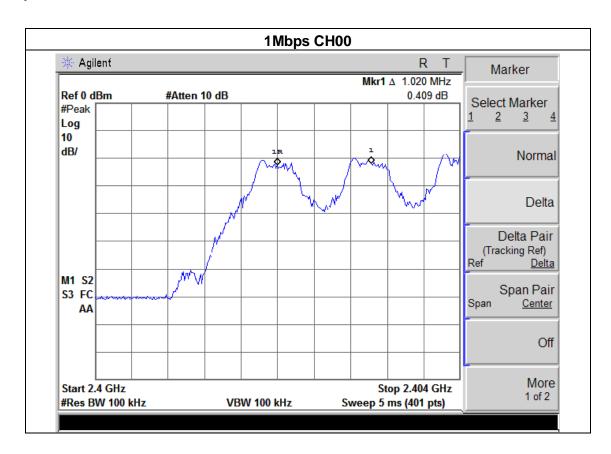
6.1.5 TEST RESULTS

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|--------------------------------|--------------------|---------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure: | 1012 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | CH00 / CH39 /CH78 (1Mbps Mode) | | |

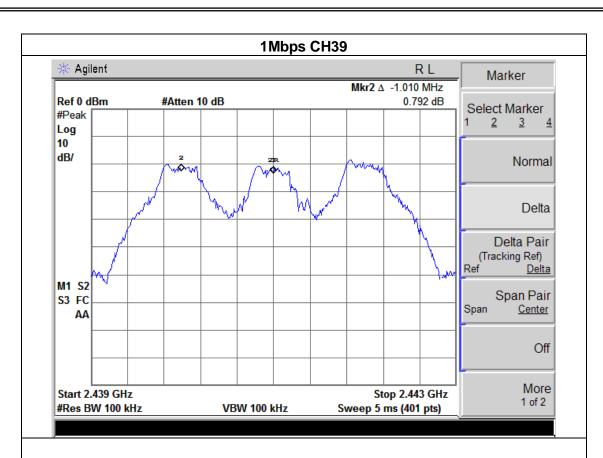
| Frequency | Ch. Separation (MHz) | Result |
|-----------|-------------------------|----------|
| 2402 MHz | 1.020 | Complies |
| 2441 MHz | 1.010 | Complies |
| 2480 MHz | 1.000 | Complies |

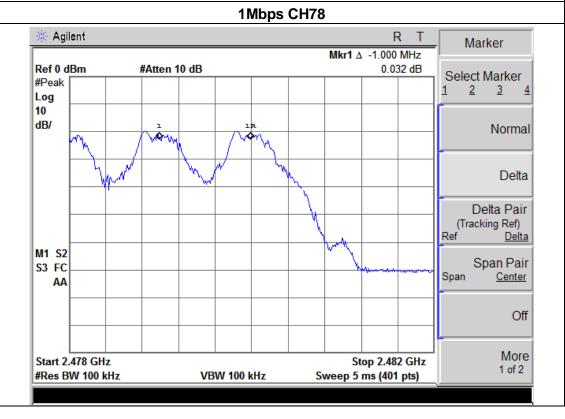
For GFSK:

Ch. Separation Limits: > 20dB bandwidth











7. BANDWIDTH TEST

7.1 APPLIED PROCEDURES / LIMIT

| | FCC Part15 (15.247) , Subpart C | | | | |
|---|---------------------------------|-----------|--------------------------|-------------|------|
| • | Section Test Item Limit | | Frequency Range (MHz) | Result | |
| | 15.247 (a)(1) | Bandwidth | (20dB bandwidth) | 2400-2483.5 | PASS |

| Spectrum Parameter | Setting | |
|--------------------|--|--|
| Attenuation | Auto | |
| Span Frequency | > Measurement Bandwidth or Channel Separation | |
| RB | 30 kHz (20dB Bandwidth) / 30 kHz (Channel Separation) | |
| VB | 100 kHz (20dB Bandwidth) / 30 kHz (Channel Separation) | |
| Detector | Peak | |
| Trace | Max Hold | |
| Sweep Time | Auto | |

7.1.1 TEST PROCEDURE

- a. The EUT was directly connected to the spectrum analyzer and antenna output port as show in the block diagram below,
- b. Spectrum Setting: RBW= 30KHz, VBW=100KHz, Sweep time = Auto.

7.1.2 DEVIATION FROM STANDARD

No deviation.

7.1.3 TEST SETUP

| EUT | SPECTRUM | |
|-----|----------|--|
| | ANALYZER | |

7.1.4 EUT OPERATION CONDITIONS

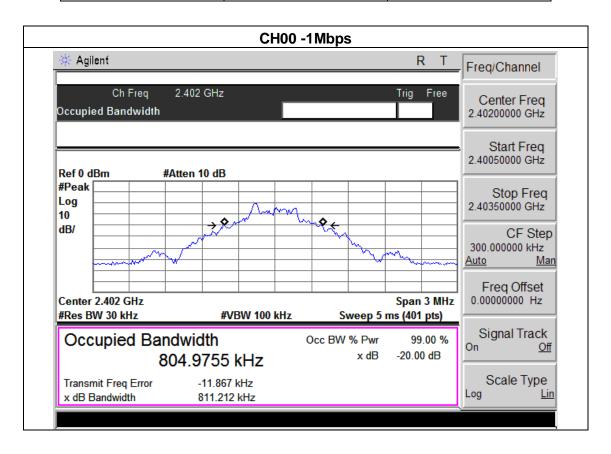
The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.



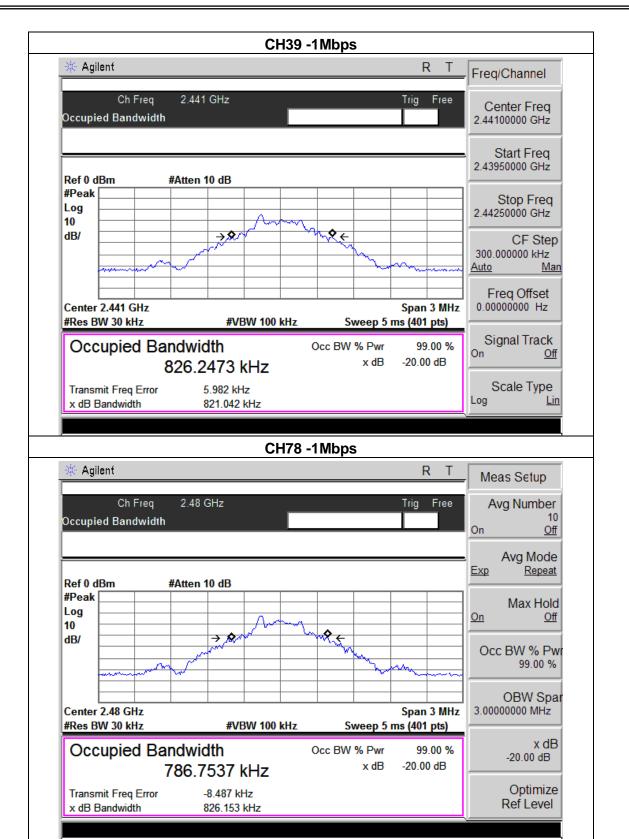
7.1.5 TEST RESULTS

| EUT: | Car audio combine machine | Model Name : | PCD-42B |
|--------------|---------------------------|--------------------|---------------------|
| Temperature: | 25 ℃ | Relative Humidity: | 60% |
| Pressure: | 1012 hPa | Test Voltage : | DC 12V from battery |
| Test Mode : | CH00 / CH39 /C78 for GFSK | | |

| Frequency | 20dB Bandwidth (kHz) | Result |
|-----------|-------------------------|--------|
| 2402 MHz | 811.212 | PASS |
| 2441 MHz | 821.042 | PASS |
| 2480 MHz | 826.153 | PASS |









8. PEAK OUTPUT POWER TEST

8.1 APPLIED PROCEDURES / LIMIT

| FCC Part15 (15.247) , Subpart C | | | | |
|---------------------------------|-------------------------|--|--------------------------|--------|
| Section | Section Test Item Limit | | Frequency Range (MHz) | Result |
| 15.247 (b)(i) | Peak Output Power | 1 w or 30dBm for GFSK 0.125W or 21dBm for EDR | 2400-2483.5 | PASS |

8.1.1 TEST PROCEDURE

a. The EUT was directly connected to the Power meter

8.1.2 DEVIATION FROM STANDARD

No deviation.

8.1.3 TEST SETUP



8.1.4 EUT OPERATION CONDITIONS

The EUT tested system was configured as the statements of 2.4 Unless otherwise a special operating condition is specified in the follows during the testing.





8.1.5 TEST RESULTS

| EUT: | Car audio combine machine | Model Name : | PCD-42B | | | |
|--------------|---|--------------------|---------|--|--|--|
| Temperature: | 25 ℃ | Relative Humidity: | 60% | | | |
| Pressure: | 1012 hPa Test Voltage : DC 12V from battery | | | | | |
| Test Mode : | CH00/ CH39 /CH78 (1Mbps Mode) for GFSK | | | | | |

| Test Channel | Frequency (MHz) | Peak Output Power (dBm) | LIMIT (dBm) | Result |
|--------------|--------------------|-------------------------|----------------|--------|
| CH00 | 2402 | 2.19 | 30 | PASS |
| CH39 | 2441 | 2.11 | 30 | PASS |
| CH78 | 2480 | 1.92 | 30 | PASS |





9. ANTENNA REQUIREMENT

9.1 STANDARD REQUIREMENT

15.203 requirement: For intentional device, according to 15.203: an intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device.

9.2 EUT ANTENNA

The EUT antenna is integral Antenna. It comply with the standard requirement.



10. EUT TEST PHOTO

Radiated Measurement Photos

