



Report No.: TW2106177-04E File Reference No.: 2021-08-19

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.

Product: VR Headset

Model No.: CVR-255-64, CVR-255-32

Trademark: CLASS VR

Test Standards: FCC Part 15 Subpart E, Paragraph 15.407

Test Result:

It is herewith confirmed and found to comply with the

requirements set up by ANSI C63.10, FCC Part 15 Subpart C, Paragraph 15.247 for the evaluation of electromagnetic

compatibility

Approved By

Jack Chung

Manager

Dated: August 19, 2021

Results appearing herein relate only to the sample tested

The technical reports is issued errors and emissions exempt a

The technical reports is issued errors and omissions exempt and is subject to withdrawal at

SHENZHEN TIMEWAY TESTING LABORATORIES

Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le Village, Nanshan District, Shenzhen, China

Tel (755) 83448688, Fax (755) 83442996, E-Mail:info@timeway-lab.com

Date: 2021-08-19



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Special Statement:

The testing quality ability of our laboratory meet with "Quality Law of People's Republic of China" Clause 19.

The testing quality system of our laboratory meet with ISO/IEC-17025 requirements, which is approved by CNAL. This approval result is accepted by MRA of APLAC.

Our test facility is recognized, certified, or accredited by the following organizations:

CNAS-LAB Code: L2292

The EMC Laboratory has been assessed and in compliance with CNAS-CL01 accreditation criteria for testing Laboratories (identical to ISO/IEC 17025:2005 General Requirements) for the Competence of testing Laboratories.

FCC-Registration No.: 744189

The EMC Laboratory has been registered and fully described in a report filed with the (FCC) Federal Communications commission. The acceptance letter from the FCC is maintained in our files. Registration No.: 744189.

Industry Canada (IC) —Registration No.:5205A

The EMC Laboratory has been registered by Certification and Engineering Bureau of Industry Canada for radio equipment testing with Registration No.: 5205A.

A2LA (Certification Number:5013.01)

The EMC Laboratory has been accredited by the American Association for Laboratory Accreditation (A2LA). Certification Number:5013.01

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Test Report Conclusion

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1.0 General Details

1.1 Test Lab Details

Name: SHENZHEN TIMEWAY TESTING LABORATORIES.

Address: Zone C, 1st Floor, Block B, Jun Xiang Da Building, Zhongshan Park Road West, Tong Le

Village, Nanshan District, Shenzhen, China

Telephone: (755) 83448688 Fax: (755) 83442996

Site Listed with Federal Communications commission (FCC)

Registration Number: 744189 For 3m Anechoic Chamber

Site Listed with Industry Canada of Ottawa, Canada

Registration Number: IC: 5205A-02

For 3m Anechoic Chamber

1.2 Applicant Details

Applicant: Shenzhen Jingwah Information Technology Co., Ltd.

Address: 6F, Bldg.4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community, Huaqiangbei, Futian

District, Shenzhen

Telephone: -Fax: -
1.3 Description of EUT

Product: VR Headset

Manufacturer: Shenzhen Jingwah Information Technology Co., Ltd.

Address: 6F, Bldg.4, Jinghua Square, No. 168, Zhenzhong Rd., Fuqiang Community,

Huaqiangbei, Futian District, Shenzhen

Brand Name: CLASS VR

Additional Brand Name: N/A

Model Number: CVR-255-64 Additional Model Number: CVR-255-32

Hardware Version: EM_AX139_MB_V1.0 Software Version: qfil-evr25564-1.1.11-64gb

Serial No.: 251VRBESG1

Type of Modulation IEEE 802.11a/n (HT20/HT40): OFDM (64QAM, 16QAM, QPSK, BPSK);

IEEE 802.11ac: BPSK, QPSK, 16-QAM, 64-QAM, 256-QAM

Frequency Band 1: 5180MHz-5240MHz;

Band 4: 5745MHz-5825MHz

Channel Separation 802.11a/802.11n20:20MHz, 802.11n40:40MHz, 802.11ac: 80MHz

Air Data Rate IEEE 802.11a: 54, 48,36, 24, 18, 12, 9, 6 Mbps

IEEE 802.11n/HT20: mcs0-mcs7 IEEE 802.11n/HT40: mcs0-mcs7

The report refers only to the sample tested and does not apply to the bulk.

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IEEE 802.11ac: NSSI mcs0-mcs9

Antenna: Two FPC antenna used. The gain of the antennas is 2.5dBi for each one (Get from the

antenna specification provided the manufacturer)

Test Mode: During testing, EUT was set up to 100% duty cycle. 6Mbps air data rate was the worst

case for 802.11a mode; mcs0 air data rate was the worst case for 802.11n mode;

23.9Mbps air data rate was the worst case for 802.11ac mode.

Frequency Selection By software

Power Supply: Model: AV-ASC-USB-002; Input: 100-240V~, 1.3A, 50/60Hz;

Output: DC5V, 2.4A*5 or DC5V, 1A*10

Input Voltage: DC5V, 2.4A

Battery: DC3.8V, 3800mAh, 14.44Wh Li-ion battery

Each Channel Operation Frequency

| Each Chaille Op | Each Chainlei Operation Frequency | | | | | | |
|-------------------|-----------------------------------|------------------------------|-------------------|----------------|-----------|--|--|
| | Band 1 | | | | | | |
| 802.11a / 11n HT2 | 20 / 802.11ac VHT20 | 802.11n HT4 | 0 / 802.11acVHT40 | 802.11ac VHT80 | | | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | | |
| 36 | 5180 MHz | 38 | 5190 MHz | 42 | 5210 MHz | | |
| 40 | 5200 MHz | 46 | 5230 MHz | | | | |
| 44 | 5220 MHz | | | | | | |
| 48 | 5240 MHz | | | | | | |
| | Band 4 | | | | | | |
| 802.11a / 11n HT2 | 20 / 802.11ac VHT20 | 802.11n HT40 / 802.11acVHT40 | | 802.11 | ac VHT80 | | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | | |
| 149 | 5745 MHz | 151 | 5755 MHz | 155 | 5775 MHz | | |
| 153 | 5765 MHz | 159 | 5795 MHz | | | | |
| 157 | 5785 MHz | | | | | | |
| 161 | 5825 MHz | | | | | | |

The selected test channels as follows:

| | Band 1 | | | | | |
|--------------------|------------|---------|-----------|----------------|-----------|--|
| 802.11a | / 11n HT20 | 802.11: | n HT40 | 802.11ac VHT80 | | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | |
| 36 | 5180 MHz | 38 | 5190 MHz | 42 | 5210 MHz | |
| 40 | 5200 MHz | 46 | 5230 MHz | | | |
| 48 | 5240 MHz | | | | | |
| | Band 4 | | | | | |
| 802.11a / 11n HT20 | | 802.11: | n HT40 | 802.11 | ac VHT80 | |
| Channel | Frequency | Channel | Frequency | Channel | Frequency | |
| 149 | 5745 MHz | 151 | 5755 MHz | 155 | 5775 MHz | |

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| 153 | 5765 MHz | 159 | 5795 MHz | |
|-----|----------|-----|----------|--|
| 165 | 5825 MHz | | | |

Note: 802.11ac VHT20/VHT40 is similar with 802.11n HT20/HT40.

Submitted Sample: 3 Samples

1.5 **Test Duration**

2021-06-15 to 2021-08-18

1.6 Test Uncertainty

Conducted Emissions Uncertainty =3.6dB

Radiated Emissions below 1GHz Uncertainty =4.7dB

Radiated Emissions above 1GHz Uncertainty =6.0dB

Conducted Power Uncertainty = 6.0dB

Occupied Channel Bandwidth Uncertainty =5%

Test Engineer 1.7

The sample tested by

Print Name: Terry Tang

Terry Tang

Date: 2021-08-19



| 2.0 Test Equipment | | | | | |
|--------------------|--------------|----------------------|--------------|--------------|------------|
| Instrument Type | Manufacturer | Model | Serial No. | Date of Cal. | Due Date |
| ESPI Test Receiver | R&S | ESPI 3 | 100379 | 2021-06-18 | 2022-06-17 |
| TWO Line-V-NETW | R&S | EZH3-Z5 | 100294 | 2021-06-18 | 2022-06-17 |
| TWO Line-V-NETW | R&S | EZH3-Z5 | 100253 | 2021-06-18 | 2022-06-17 |
| Impuls-Begrenzer | R&S | ESH3-Z2 | 100281 | 2021-06-18 | 2022-06-17 |
| Loop Antenna | EMCO | 6507 | 00078608 | 2021-06-18 | 2022-06-17 |
| Spectrum | R&S | FSIQ26 | 100292 | 2021-06-18 | 2022-06-17 |
| Horn Antenna | A-INFO | LB-180400-KF | J211060660 | 2021-06-18 | 2022-06-17 |
| Horn Antenna | R&S | BBHA 9120D | 9120D-631 | 2021-07-02 | 2024-07-01 |
| Power meter | Anritsu | ML2487A | 6K00003613 | 2021-06-18 | 2022-06-17 |
| Power sensor | Anritsu | MA2491A | 32263 | 2021-06-18 | 2022-06-17 |
| Bilog Antenna | Schwarebeck | VULB9163 | 9163/340 | 2021-07-02 | 2024-07-01 |
| 9*6*6 Anechoic | | | N/A | 2021-07-02 | 2022-07-01 |
| EMI Test Receiver | RS | ESVB | 826156/011 | 2021-06-18 | 2022-06-17 |
| EMI Test Receiver | RS | ESH3 | 860904/006 | 2021-06-18 | 2022-06-17 |
| Spectrum | HP/Agilent | ESA-L1500A | US37451154 | 2021-06-18 | 2022-06-17 |
| Spectrum | HP/Agilent | E4407B | MY50441392 | 2021-06-18 | 2022-06-17 |
| Spectrum | RS | FSP | 1164.4391.38 | 2021-01-15 | 2022-01-14 |
| RF Cable | Zhengdi | ZT26-NJ-NJ-8M/F A | | 2021-06-18 | 2022-06-17 |
| RF Cable | Zhengdi | 7m | | 2021-06-18 | 2022-06-17 |
| RF Switch | EM | EMSW18 | 060391 | 2021-06-18 | 2022-06-17 |
| Pre-Amplifier | Schwarebeck | BBV9743 | #218 | 2021-06-18 | 2022-06-17 |
| Pre-Amplifier | HP/Agilent | 8449B | 3008A00160 | 2021-06-18 | 2022-06-17 |
| LISN | SCHAFFNER | NNB42 | 00012 | 2021-01-15 | 2022-01-14 |

2.2 Automation Test Software

For Conducted Emission Test

| Name | Version |
|--------|-------------------|
| EZ-EMC | Ver.EMC-CON 3A1.1 |

For Radiated Emissions

| Name | Version |
|---|---------|
| EMI Test Software BL410-EV18.91 | V18.905 |
| EMI Test Software BL410-EV18.806 High Frequency | V18.06 |

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Technical Details 3.0

3.1 **Summary of test results**

| Standard | Test Type | Result | Notes |
|--|---|--------|----------|
| FCC Part 15, Paragraph 15.107 & 15.407 | Conducted Emission Test | PASS | Complies |
| FCC Part 15 Subpart E Paragraph 15.407 (b)(1) and (b)(4)(i), Part 15.205 and Part 15.209 | Undesirable Emission and Restrict band | PASS | Complies |
| CC Part 15, Paragraph 15.407 (a)(1)(iv) and (a)(3)(iii) | Peak Transmit Power | PASS | Complies |
| FCC Part 15, Paragraph 15.407 (a)(1)(iv) and (a)(3)(iii) | Peak Power Spectral Density | PASS | Complies |
| FCC Part 15, Paragraph 15.407 (e) | Emission Bandwidth | PASS | Complies |
| FCC Part 15, Paragraph 15.407(g) | Frequency Stability | PASS | Complies |

3.2 **Test Standards**

FCC Part 15 Subpart & Subpart C, Paragraph 15.247, ANSI C63.10:2013, ANSI C63.4:2014 789033 D02 General UNII Test Procedures New Rules v01r04

4.0 **EUT Modification**

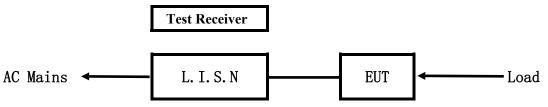
No modification by SHENZHEN TIMEWAY TESTING LABORATORIES.

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5. Power Line Conducted Emission Test

5.1 Schematics of the test

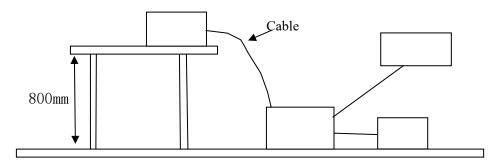


EUT: Equipment Under Test

5.2 Test Method and test Procedure

The EUT was tested according to ANSI C63.10-2009. The Frequency spectrum From 0.15MHz to 30MHz was investigated. The LISN used was 50ohm/50uH as specified by section 5.1 of ANSI C63.10-2013.

Test Voltage: 120V~, 60Hz Block diagram of Test setup



5.3 Configuration of The EUT

The EUT was configured according to ANSI C63.10-2013. All interface ports were connected to the appropriate peripherals. All peripherals and cables are listed below.

| A. | EUT |
|----|-----|
| | |

| Device | Manufacturer | Model | FCC ID |
|--------------|------------------------------|---------------------------|------------------|
| VR Headset | Shenzhen Jingwah Information | CVR-255-64 RBD-CVR-255-64 | |
| V K Ticausci | Technology Co., Ltd. | C V IX-233-04 | KBD-C V K-233-04 |

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B. Internal Device

| Device | Manufacturer | Model | Rating |
|--------|--------------|-------|--------|
| | | | |

C. Peripherals

| Device | Manufacturer | Model | Rating |
|--------|--------------|-------|--------|
| N/A | | | |

5.4 EUT Operating Condition

Operating condition is according to ANSI C63.10 -2013.

- A Setup the EUT and simulators as shown on follow
- B Enable AF signal and confirm EUT active to normal condition

5.5 Power line conducted Emission Limit according to Paragraph 15.207

| Frequency | Limits (dB μ V) | | | | |
|------------------|---------------------|---------------|--|--|--|
| (MHz) | Quasi-peak Level | Average Level | | | |
| $0.15 \sim 0.50$ | 66.0~56.0* | 56.0~46.0* | | | |
| 0.50 ~ 5.00 | 56.0 | 46.0 | | | |
| 5.00 ~ 30.00 | 60.0 | 50.0 | | | |

Notes:

- 1. *Decreasing linearly with logarithm of frequency.
- 2. The tighter limit shall apply at the transition frequencies

5.6 Test Results

The frequency spectrum from 0.15MHz to 30MHz was investigated. All reading are quasi-peak values with a resolution bandwidth of 9kHz.

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A: Conducted Emission on Live Terminal (150kHz to 30MHz)

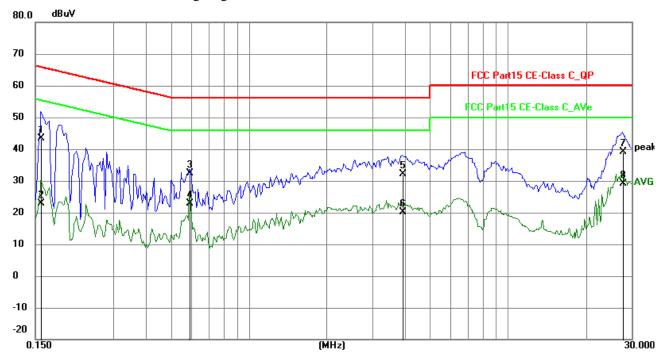
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keeping WIFI Transmitting

Results: Pass

Please refer to following diagram for individual



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|-----|--------------------|-------------------|----------------|-----------------|-----------------|----------------|----------|-----|
| 1 | 0.1578 | 33.51 | 9.78 | 43.29 | 65.58 | -22.29 | QP | Р |
| 2 | 0.1578 | 12.98 | 9.78 | 22.76 | 55.58 | -32.82 | AVG | Р |
| 3 | 0.5907 | 22.58 | 9.77 | 32.35 | 56.00 | -23.65 | QP | Р |
| 4 | 0.5907 | 13.21 | 9.77 | 22.98 | 46.00 | -23.02 | AVG | Р |
| 5 | 3.9048 | 22.18 | 9.88 | 32.06 | 56.00 | -23.94 | QP | Р |
| 6 | 3.9048 | 10.16 | 9.88 | 20.04 | 46.00 | -25.96 | AVG | Р |
| 7 | 27.7260 | 27.94 | 11.16 | 39.10 | 60.00 | -20.90 | QP | Р |
| 8 | 27.7260 | 17.88 | 11.16 | 29.04 | 50.00 | -20.96 | AVG | Р |

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B: Conducted Emission on Neutral Terminal (150kHz to 30MHz)

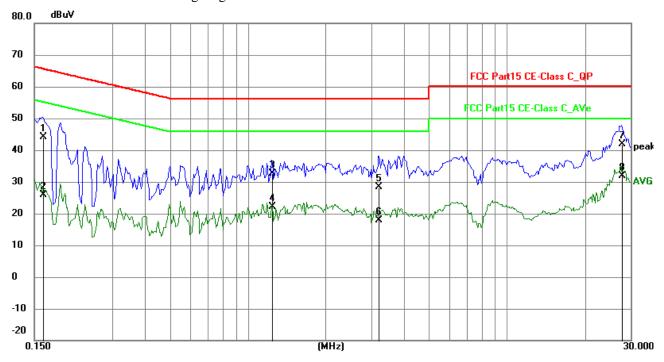
EUT Operating Environment

Temperature: 26°C Humidity: 65%RH Atmospheric Pressure: 101 kPa

EUT set Condition: Keeping WIFI Transmitting

Results: Pass

Please refer to following diagram for individual



| No. | Frequency (MHz) | Reading (dBuV) | Factor (dB) | Level (dBuV) | Limit (dBuV) | Margin (dB) | Detector | P/F |
|-----|--------------------|-------------------|----------------|-----------------|-----------------|----------------|----------|-----|
| 1 | 0.1617 | 34.30 | 9.78 | 44.08 | 65.38 | -21.30 | QP | Р |
| 2 | 0.1617 | 16.01 | 9.78 | 25.79 | 55.38 | -29.59 | AVG | Р |
| 3 | 1.2381 | 22.89 | 9.79 | 32.68 | 56.00 | -23.32 | QP | Р |
| 4 | 1.2381 | 12.27 | 9.79 | 22.06 | 46.00 | -23.94 | AVG | Р |
| 5 | 3.2067 | 18.44 | 9.85 | 28.29 | 56.00 | -27.71 | QP | Р |
| 6 | 3.2067 | 8.12 | 9.85 | 17.97 | 46.00 | -28.03 | AVG | Р |
| 7 | 27.7377 | 30.81 | 11.16 | 41.97 | 60.00 | -18.03 | QP | Р |
| 8 | 27.7377 | 20.71 | 11.16 | 31.87 | 50.00 | -18.13 | AVG | Р |

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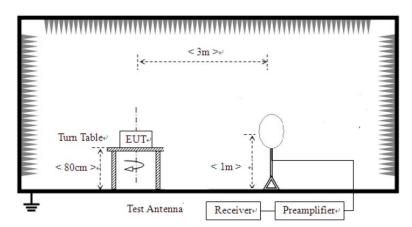
6 Undesirable Emission and Restrict band

- 6.1 Test Method and test Procedure:
- (1) The EUT was tested according to ANSI C63.10-2013. The radiated test was performed at Timeway EMC Laboratory. This site is on file with the FCC laboratory division, Registration No. 744189
- (2) The EUT, peripherals were put on the turntable which table size is 1m x 1.5 m, table high 0.8 m. All set up is according to ANSI C63.10-2013.
- (3) The frequency spectrum from 30 MHz to 40 GHz was investigated. All readings from 30 MHz to 1 GHz are Quasi-peak values with a resolution bandwidth of 120 kHz. For measurement above 1GHz, peak values with RBW=1MHz, VBW=3MHz and PK detector.

 Measurements were made at 3 meters.
- (4) The antenna high is varied from 1 m to 4 m high to find the maximum emission for each frequency.
- (5) Maximizing procedure was performed on the six (6) highest emissions to ensure EUT compliance is with all installation combinations. All data was recorded in the peak detection mode. Quasi-peak readings was performed only when an emission was found to be marginal (within -4 dB of specification limit), and are distinguished with a "QP" in the data table.
- (6) The antenna polarization: Vertical polarization and Horizontal polarization.

Block diagram of Test setup

For radiated emissions from 9kHz to 30MHz



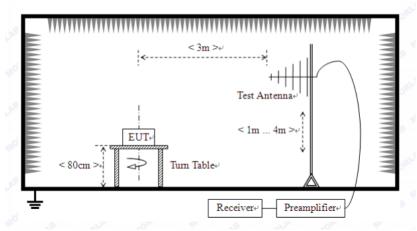
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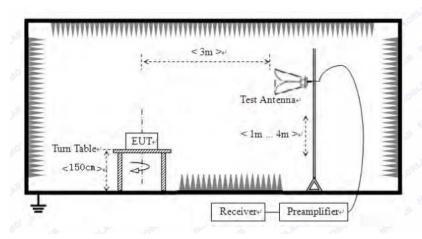
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For radiated emissions from 30MHz to1GHz



For radiated emissions above 1GHz



- 6.2 Configuration of The EUT

 Same as section 5.3 of this report
- 6.3 EUT Operating Condition

 Same as section 5.4 of this report.
- 6.4 Radiated Emission Limit

All emission from a digital device, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strength specified below:

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Frequencies in restricted band are complied to limit on Paragraph 15.209

| Frequency Range (MHz) | Distance (m) | Field strength (dB μ V/m) |
|-----------------------|--------------|-------------------------------|
| 30-88 | 3 | 40.0 |
| 88-216 | 3 | 43.5 |
| 216-960 | 3 | 46.0 |
| Above 960 | 3 | 54.0 |

- (1) For transmitters operating in the 5.15-5.25 GHz band: all emissions outside of the 5.15-5.35 GHz band shall not exceed an EIRP of -27dBm/MHz
- (2) For transmitters operating in the 5.725-5.825 GHz band: all emissions within the frequency range from the band edge to 10 MHz above or below the band edge shall not exceed an EIRP of -17dBm/MHz; for frequencies 10 MHz or greater above or below the band edge, emissions shall not exceed an EIRP of -27dBm/MHz.

Note: 1. RF Voltage $(dBuV) = 20 \log RF \text{ Voltage } (uV)$

- 2. In the Above Table, the higher limit applies at the band edges.
- 3. Distance refers to the distance in meters between the measuring instrument antenna and the EUT
- 4. This is a handhold device. The radiated emissions should be tested under 3-axes position (Lying, Side, and Stand), After pre-test. It was found that the worse radiated emission was get at the lying position.

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Test result

General Radiated Emission Data and Harmonics Radiated Emission Data

Radiated Emission In Horizontal (30MHz----1000MHz)

EUT set Condition: Keeping WIFI Transmitting

Results: Pass

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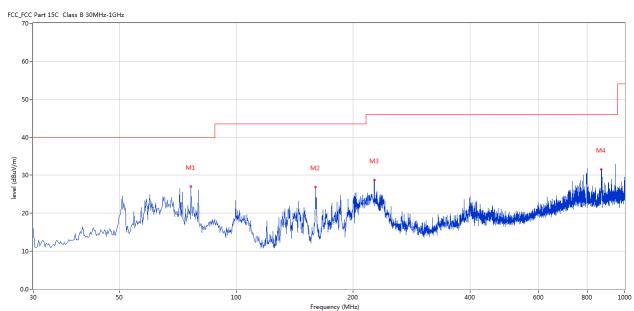
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Test Figure:

H



| No. | Frequency | Results | Factor | Limit | Over Limit | Detector | Table (o) | Height | ANT | Verdict |
|-----|-----------|----------|--------|----------|------------|----------|-----------|--------|------------|---------|
| | (MHz) | (dBuV/m) | (dB) | (dBuV/m) | (dB) | | | (cm) | | |
| 1 | 76.306 | 26.99 | -17.58 | 40.0 | -13.01 | Peak | 145.00 | 100 | Horizontal | Pass |
| 2 | 159.948 | 26.91 | -16.36 | 43.5 | -16.59 | Peak | 131.00 | 100 | Horizontal | Pass |
| 3 | 226.618 | 28.76 | -12.81 | 46.0 | -17.24 | Peak | 46.00 | 100 | Horizontal | Pass |
| 4 | 871.022 | 31.57 | -2.03 | 46.0 | -14.43 | Peak | 46.00 | 100 | Horizontal | Pass |

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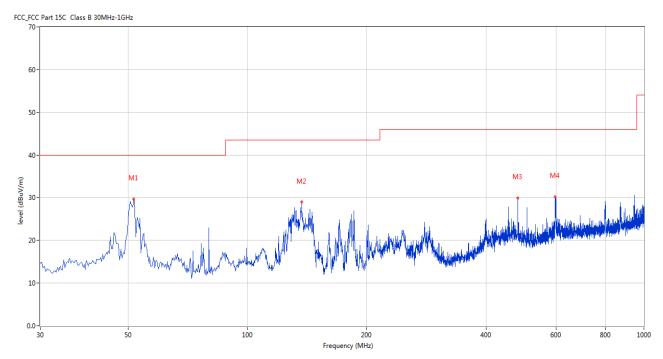
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Test Figure:

V



| No. | Frequency | Results | Factor | Limit | Over Limit | Detector | Table (o) | Height | ANT | Verdict |
|-----|-----------|----------|--------|----------|------------|----------|-----------|--------|----------|---------|
| | (MHz) | (dBuV/m) | (dB) | (dBuV/m) | (dB) | | | (cm) | | |
| 1 | 51.577 | 29.66 | -11.41 | 40.0 | -10.34 | Peak | 66.00 | 100 | Vertical | Pass |
| 2 | 137.158 | 28.94 | -17.21 | 43.5 | -14.56 | Peak | 17.00 | 100 | Vertical | Pass |
| 3 | 480.937 | 29.90 | -7.36 | 46.0 | -16.10 | Peak | 17.00 | 100 | Vertical | Pass |
| 4 | 597.551 | 30.17 | -5.10 | 46.0 | -15.83 | Peak | 109.00 | 100 | Vertical | Pass |

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Operation Mode: Keeping Transmitting under CH36 for 11g at 6Mbps

| | 1 0 | U | <u> </u> |
|-----------------|--------------------------|------------------|----------------------------|
| Frequency (MHz) | Level@3m (dB \u03b4 V/m) | Antenna Polarity | Limit@3m (dB \(\mu \)V/m) |
| 5180.00 | 105.43 (PK) | Н | Fundamental Fraguency |
| 5180.00 | 97.31 (PK) | V | Fundamental Frequency |
| 10360 | 47.82 (PK) | Н | 74(Peak)/ 54(AV) |
| 10360 | 48.34 (PK) | V | 74(Peak)/ 54(AV) |
| 15540 | | V | 74(Peak)/ 54(AV) |
| 20720 | | H/V | 74(Peak)/ 54(AV) |
| 25900 | | H/V | 74(Peak)/ 54(AV) |
| 31080 | | H/V | 74(Peak)/ 54(AV) |
| 36260 | | H/V | 74(Peak)/ 54(AV |

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

- 2. Remark "---" means that the emissions level is too low to be measured
- 3. For 802.11a mode 6Mbps

Operation Mode: Keeping Transmitting under CH40 for 11g at 6Mbps

| Frequency (MHz) | Level@3m (dB μ V/m) | Antenna Polarity | Limit@3m (dB µ V/m) |
|-----------------|---------------------|------------------|-----------------------|
| 5200.00 | 105.57 (PK) | Н | Fundamental Fraguency |
| 5200.00 | 99.50 (PK) | V | Fundamental Frequency |
| 10400 | 49.57 (PK) | Н | 74(Peak)/ 54(AV) |
| 10400 | 50.72 (PK) | V | 74(Peak)/ 54(AV) |
| 15600 | 1 | V | 74(Peak)/ 54(AV) |
| 20800 | 1 | H/V | 74(Peak)/ 54(AV) |
| 26000 | 1 | H/V | 74 Peak)/ 54(AV) |
| 31200 | - | H/V | 74(Pe k)/54(AV) |
| 36400 | | H/V | 74(Peak)/ 54(AV) |

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

- 2. Remark "---" means that the emissions level is too low to be measured
- 3. For 802.11a mode 6Mbps

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Operation Mode: Keeping Transmitting under CH48 for 11g at 6Mbps

| | 1 0 | | _ |
|-----------------|--------------------------|------------------|----------------------------|
| Frequency (MHz) | Level@3m (dB \u03b4 V/m) | Antenna Polarity | Limit@3m (dB \(\mu \)V/m) |
| 5240.00 | 104.44 (PK) | Н | Fundamental Frequency |
| 5240.00 | 99.83 (PK) | V | Fundamental Frequency |
| 10480 | 50.13 (PK) | Н | 74(Peak)/ 54(AV) |
| 15720 | 48.88 (PK) | V | 74(Peak)/ 54(AV) |
| 20960 | | H/V | 74(Peak)/ 54(AV) |
| 26200 | | H/V | 74(Peak)/ 54(AV) |
| 31440 | | H/V | 74(Peak)/ 54(AV) |
| 36680 | | H/V | 74(Peak)/ 54(AV) |

Note: 1. Level = Reading + AF + Cable - Preamp + Filter - Dist, Margin = Level - Limit

2. Remark "---" means that the emissions level is too low to be measured

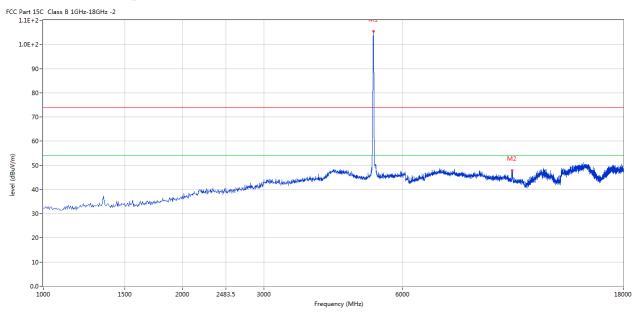
3. For 802.11a mode 6Mbps

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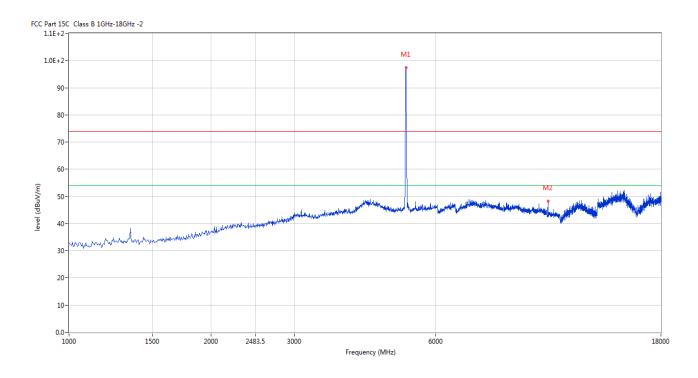


Please refer to the following test plots for details:

CH36 for 11a at 6Mbps: Horizontal



CH36 for 11a at 6Mbps: Vertical



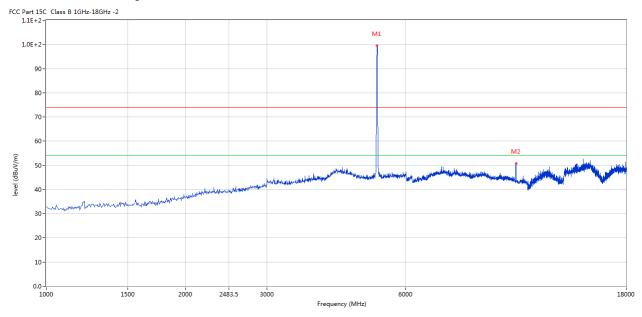
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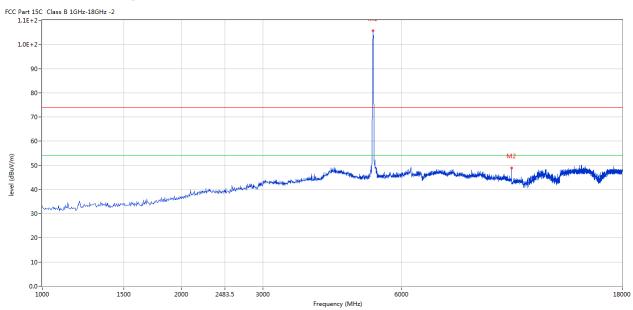
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CH40 for 11a at 6Mbps: Vertical



CH40 for 11a at 6Mbps: Horizontal



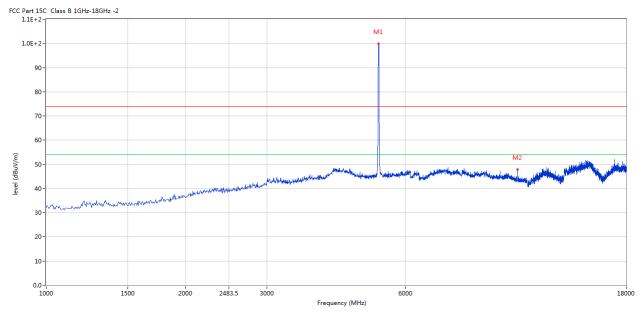
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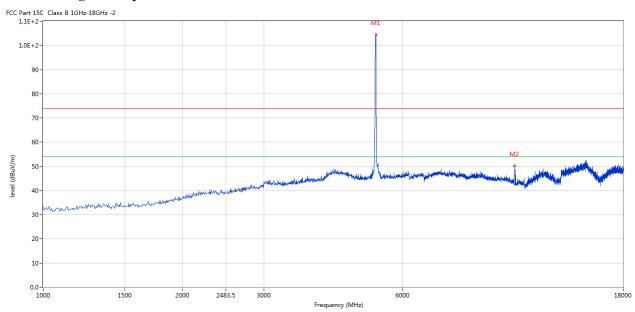
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CH48 for 11a at 6Mbps: Vertical



CH48 for 11g at 6Mbps: Horizontal



Note: 1. For radiated Emissions from 18-40GHz and below 30MHz, it is only the floor noise.

2. 802.11a is the worst case.

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| Restricted band Measurement | | | | | | | | | |
|-----------------------------|-------------|--------------|---------------|--------------------------|--|--|--|--|--|
| EUT | VR Headset | | Test Mode: | Channel 36 (5180MHz)-11a | | | | | |
| Mode | Keeping | Transmitting | Input Voltage | DC3.8V | | | | | |
| Temperature | 24 | deg. C, | Humidity | 56% RH | | | | | |
| Test Result: | | Pass | Detector | PK | | | | | |
| 5150 | PK (dBµV/m) | 50.77 (PK) | T ' '/ | 27.10 /4/11 | | | | | |
| | EIRP (dBm) | -44.43 | Limit | -27dBm/MHz | | | | | |
| Polarity | Но | Horizontal | | | | | | | |

Remark: 1. According to KDB 789033 v01r03 section H) d) (iii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 50.77 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 50.77 - 95.2 = -44.43dBm$

2. RBW=1MHz, VBW=3MHz

| EUT | VR | Headset | Test Mode: | Channel 36 (5180MHz)-11a |
|--------------|-------------|--------------|---------------|--------------------------|
| Mode | Keeping | Transmitting | Input Voltage | DC3.8V |
| Temperature | 24 | deg. C, | Humidity | 56% RH |
| Test Result: | | Pass | Detector | PK |
| 5150 | PK (dBμV/m) | 44.80 (PK) | T ' '4 | 27 ID /MI |
| | EIRP (dBm) | -50.40 | Limit | -27dBm/MHz |
| Polarity | V | Vertical | | |
| Test Figure | 1 | | - | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 44.80$ $dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 44.80 - 95.2 = -50.40 dBm$

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| Restricted band Measurement | | | | | | | | | |
|-----------------------------|----------------------|------------|---------------|--------------------------|--|--|--|--|--|
| EUT | VR Headset | | Test Mode: | Channel 48 (5240MHz)-11a | | | | | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | | | | | |
| Temperature | 24 | deg. C, | Humidity | 56% RH | | | | | |
| Test Result: | | Pass | Detector | PK | | | | | |
| 5250 | PK (dBµV/m) | 59.69 (PK) | T ' ' | 27.10 // 41.1 | | | | | |
| | EIRP (dBm) -35.31 | | Limit | -27dBm/MHz | | | | | |
| Polarity | Но | orizontal | | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 59.69 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=59.69-95.2=-35.31dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | |
|-----------------------------|----------------------|------------|---------------|--------------------------|
| EUT | VR | VR Headset | | Channel 48 (5240MHz)-11a |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V |
| Temperature | 24 deg. C, | | Humidity | 56% RH |
| Test Result: | Pass | | Detector | PK |
| 5250 | PK (dBµV/m) | 55.77 (PK) | I : | 27.10/МП- |
| | EIRP (dBm) -39.43 | | Limit | -27dBm/MHz |
| Polarity | 1 | Vertical | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 55.77 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 55.77 - 95.2 = -39.43 dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|--------------------|--|
| EUT | VR | VR Headset | | Channel 36 | |
| | | | | (5180MHz)-11n/HT20 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 48.92 (PK) | T ' '/ | 27 ID /MII | |
| | EIRP (dBm) -46.28 | | Limit | -27dBm/MHz | |
| Polarity | Но | Horizontal | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 48.92dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=48.92-95.2=-46.28dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|--------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 36 | |
| | | | | (5180MHz)-11n/HT20 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 43.33 (PK) | T, | 27 10 / 101 | |
| | EIRP (dBm) -51.87 | | Limit | -27dBm/MHz | |
| Polarity | 7 | Vertical | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 43.33 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 43.33 - 95.2 = -51.87dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|-----------|---------------|-----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 48 (5240MHz)- | |
| | | | | 11n/HT20 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5250 | PK (dBµV/m) | 52.61(PK) | T : '4 | 27 ID /MI | |
| | EIRP (dBm) -42.59 | | Limit | -27dBm/MHz | |
| Polarity | Horizontal | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 52.61 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=52.61-95.2=-42.59dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|-----------|---------------|-----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 48 (5240MHz)- | |
| | | | | 11n/HT20 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5250 | PK (dBµV/m) | 50.12(PK) | T : '4 | 27 10 / 101 | |
| | EIRP (dBm) -45.08 | | Limit | -27dBm/MHz | |
| Polarity | 7 | Vertical | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 50.12dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=50.12-95.2= -45.08 dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|--------------------|--|
| EUT | VR | VR Headset | | Channel 38 | |
| | | | | (5190MHz)-11n/HT40 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 48.23 (PK) | T : '/ | 27 ID /MII | |
| | EIRP (dBm) -46.97 | | Limit | -27dBm/MHz | |
| Polarity | Но | Horizontal | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 48.23 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=48.23-95.2=-46.97dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|--------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 38 | |
| | | | | (5190MHz)-11n/HT40 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 46.70 (PK) | T, | 27.10 /4/11 | |
| | EIRP (dBm) -48.50 | | Limit | -27dBm/MHz | |
| Polarity | 7 | Vertical | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 46.70 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 46.70 - 95.2 = -48.50dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|-----------|---------------|-----------------------|--|
| EUT | VR Headset | | Test Mode: | Channel 46 (5230MHz)- | |
| | | | | 11n/HT40 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5250 | PK (dBµV/m) | 54.11(PK) | T : ' | 27 ID /MII | |
| | EIRP (dBm) -41.09 | | Limit | -27dBm/MHz | |
| Polarity | Horizontal | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m]=54.11dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=54.11-95.2=-41.09dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|-----------|---------------|-----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 46 (5230MHz)- | |
| | | | | 11n/HT40 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5250 | PK (dBµV/m) | 50.36(PK) | T, | 27.10 /4.11 | |
| | EIRP (dBm) -44.84 | | Limit | -27dBm/MHz | |
| Polarity | 7 | Vertical | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 50.66 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 50.36 - 95.2 = -44.84dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 36 | |
| | | | | (5180MHz)-11ac/VHT20 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 48.56 (PK) | T : '/ | 27 10 / 101 | |
| | EIRP (dBm) -46.28 | | Limit | -27dBm/MHz | |
| Polarity | Но | Horizontal | | - | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 48.56dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 48.56 - 95.2 = -46.64 dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 36 | |
| | | | | (5180MHz)-11ac/VHT20 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 44.79 (PK) | T, | 27 10 / 101 | |
| | EIRP (dBm) -50.41 | | Limit | -27dBm/MHz | |
| Polarity | 7 | Vertical | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 44.79 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=44.79-95.2=-50.41dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|-----------------------|--|
| EUT | VR Headset | | Test Mode: | Channel 48 (5240MHz)- | |
| | | | | 11ac/VHT20 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5250 | PK (dBµV/m) | 52.83 (PK) | T : '/ | 27 10 / 101 | |
| | EIRP (dBm) -42.37 | | Limit | -27dBm/MHz | |
| Polarity | Horizontal | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 52.83 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=52.83-95.2=-42.37dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|-----------|---------------|-----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 48 (5240MHz)- | |
| | | | | 11ac/VHT20 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5250 | PK (dBµV/m) | 49.85(PK) | T, | 27 10 / 101 | |
| | EIRP (dBm) -45.35 | | Limit | -27dBm/MHz | |
| Polarity | Vertical | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 49.85dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=49.85-95.2=-45.35 dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 38 | |
| | | | | (5190MHz)-11ac/VHT40 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 49.15 (PK) | T : '/ | 27 ID /MII | |
| | EIRP (dBm) -46.05 | | Limit | -27dBm/MHz | |
| Polarity | Horizontal | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 49.15 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=49.15-95.2=-46.05dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 38 | |
| | | | | (5190MHz)-11ac/VHT40 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 47.29 (PK) | T, | 27 10 / 101 | |
| | EIRP (dBm) -47.91 | | Limit | -27dBm/MHz | |
| Polarity | Vertical | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 47.29 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=47.29-95.2=-47.91dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|-----------|---------------|-----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 46 (5230MHz)- | |
| | | | | 11ac/VHT40 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | | PK | |
| 5250 | PK (dBµV/m) | 54.62(PK) | T : '/ | 27.10 /4.01 | |
| | EIRP (dBm) | -40.58 | Limit | -27dBm/MHz | |
| Polarity | Horizontal | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m]=54.62dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=54.62-95.2=-40.58dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|-----------|---------------|-----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 46 (5230MHz)- | |
| | | | | 11ac/VHT40 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5250 | PK (dBµV/m) | 50.15(PK) | T : '4 | 27 10 / 101 | |
| | EIRP (dBm) -45.05 | | Limit | -27dBm/MHz | |
| Polarity | Vertical | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 50.15 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 50.15 - 95.2 = -45.05dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 42 | |
| | | | | (5210MHz)-11ac/VHT80 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 52.75 (PK) | T : ' | 27 ID /MII | |
| | EIRP (dBm) -42.45 | | Limit | -27dBm/MHz | |
| Polarity | Horizontal | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 52.75 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=52.75-95.2=-42.45dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|------------|---------------|-----------------------|--|
| EUT | VR | Headset | Test Mode: | Channel 42 (5210MHz)- | |
| | | | | 11ac/VHT80 | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | | Pass | Detector | PK | |
| 5150 | PK (dBµV/m) | 47.18 (PK) | T, | 27 10 / 101 | |
| | EIRP (dBm) -48.02 | | Limit | -27dBm/MHz | |
| Polarity | Vertical | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m]=47.18 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 47.18 - 95.2 = -48.02dBm$

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| Restricted band Me | easurement | | | |
|--------------------|----------------------|------------------|---------------|---------------------------|
| EUT | VR | Headset | Test Mode: | Channel 149 (5745MHz)-11a |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V |
| Temperature | 24 deg. C, | | Humidity | 56% RH |
| Test Result: | Pass | | Detector | PK |
| 5725 | PK (dBµV/m) | 53.8 (PK) | Limit | 174D/MIL |
| | EIRP (dBm) | EIRP (dBm) -41.4 | | -17dBm/MHz |
| Polarity | Horizontal | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 53.8 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=53.8-95.2=-41.4 dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|-----------------------|--|---------------|---------------------------|--|
| EUT | VR Headset | | Test Mode: | Channel 149 (5745MHz)-11a | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | Pass | | Detector | PK | |
| 5725 | PK (dBμV/m) 52.7 (PK) | | T ::4 | 17.1D/MII- | |
| | EIRP (dBm) -42.5 | | Limit | -17dBm/MHz | |
| Polarity | Vertical | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 52.7$ $dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 52.7 - 95.2 = -42.5 dBm$

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| Restricted band Measurement | | | | | |
|-----------------------------|----------------------|-----------|---------------|---------------------------|--|
| EUT | VR Headset | | Test Mode: | Channel 165 (5825MHz)-11a | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | Pass | | Detector | PK | |
| 5850 | PK (dBµV/m) | 52.6 (PK) | T : '/ | 17.1D /A.U. | |
| | EIRP (dBm) -42.6 | | Limit | -17dBm/MHz | |
| Polarity | Horizontal | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 52.6 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=52.6 - 95.2 = -42.6dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | |
|-----------------------------|-----------------------|--|---------------|---------------------------|--|
| EUT | VR Headset | | Test Mode: | Channel 165 (5825MHz)-11a | |
| Mode | Keeping Transmitting | | Input Voltage | DC3.8V | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | |
| Test Result: | Pass | | Detector | PK | |
| 5850 | PK (dBμV/m) 54.1 (PK) | | T : | 17.1D/MII- | |
| | EIRP (dBm) -41.1 | | Limit | -17dBm/MHz | |
| Polarity | Vertical | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 54.1 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 54.1 - 95.2 = -41.1 dBm$

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| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|----------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 149 (5745MHz)- | | | | |
| | | | | 11n/HT20 | | | | |
| Mode | Keeping | g Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5725 | PK (dBµV/m) | 53.9 (PK) | T ' ', | -17dBm/MHz | | | | |
| | EIRP (dBm) | -41.3 | Limit | | | | | |
| Polarity | Horizontal | | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 53.9 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=53.9-95.2=-41.3dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|--------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 149 (5745MHz)- | | | | |
| | | | | 11n/HT20 | | | | |
| Mode | Keeping | Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5725 | PK (dBµV/m) | 52.5 (PK) | T: ', | 1710 /4/11 | | | | |
| | EIRP (dBm) | -42.7 | Limit | -17dBm/MHz | | | | |
| Polarity | Vertical | | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 52.5 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 52.5 - 95.2 = -42.7 dBm$

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| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|----------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 165 (5825MHz)- | | | | |
| | | | | 11n/HT20 | | | | |
| Mode | Keeping | g Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5850 | PK (dBµV/m) | 51.9 (PK) | T, | 17 ID /AIII | | | | |
| | EIRP (dBm) | -47.3 | Limit | -17dBm/MHz | | | | |
| Polarity | Н | orizontal | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 51.9 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=51.9-95.2=-43.3 dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|----------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 165 (5825MHz)- | | | | |
| | | | | 11n/HT20 | | | | |
| Mode | Keeping | g Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5850 | PK (dBµV/m) | 51.6 (PK) | T : '4 | 1710 / MII | | | | |
| | EIRP (dBm) | -43.6 | Limit | -17dBm/MHz | | | | |
| Polarity | 7 | Vertical | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 51.6dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 51.6 - 95.2 = -43.6 dBm$

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| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|----------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 151 (5755MHz)- | | | | |
| | | | | 11n/HT40 | | | | |
| Mode | Keeping | g Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5725 | PK (dBµV/m) | 53.5 (PK) | T ' ', | -17dBm/MHz | | | | |
| | EIRP (dBm) | -47.7 | Limit | | | | | |
| Polarity | Horizontal | | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 53.5 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=53.5 - 95.2=-41.7dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|----------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 151 (5755MHz)- | | | | |
| | | | | 11n/HT40 | | | | |
| Mode | Keeping | g Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5725 | PK (dBµV/m) | 53.1 (PK) | T : '4 | 17 ID /AIII | | | | |
| | EIRP (dBm) | -42.1 | Limit | -17dBm/MHz | | | | |
| Polarity | 7 | Vertical | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 53.1 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 53.1 - 95.2 = -42.1 dBm$

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| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|----------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 159 (5795MHz)- | | | | |
| | | | | 11n/HT40 | | | | |
| Mode | Keeping | g Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5850 | PK (dBµV/m) | 53.3 (PK) | T, | 17 ID /AIII | | | | |
| | EIRP (dBm) | -41.9 | Limit | -17dBm/MHz | | | | |
| Polarity | Н | orizontal | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 53.3 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=53.3-95.2=-41.9 dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|----------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 159 (5795MHz)- | | | | |
| | | | | 11n/HT40 | | | | |
| Mode | Keeping | g Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5850 | PK (dBµV/m) | 53.8 (PK) | T : '4 | 1710 /441 | | | | |
| | EIRP (dBm) | -41.4 | Limit | -17dBm/MHz | | | | |
| Polarity | 7 | Vertical | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 53.8 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2 = 53.8 - 95.2 = -41.4 dBm$

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| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|----------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 155 (5775MHz)- | | | | |
| | | | | 11ac/VHT80 | | | | |
| Mode | Keeping | g Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5850 | PK (dBµV/m) | 51.7 (PK) | T : '4 | -17dBm/MHz | | | | |
| | EIRP (dBm) | -43.5 | Limit | | | | | |
| Polarity | Horizontal | | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 51.7 dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=51.7-95.2=-43.5 dBm$

2. RBW=1MHz, VBW=3MHz

| Restricted band Measurement | | | | | | | | |
|-----------------------------|-------------|--------------|---------------|------------------------|--|--|--|--|
| EUT | VR | Headset | Test Mode: | Channel 157 (5775MHz)- | | | | |
| | | | | 11ac/VHT80 | | | | |
| Mode | Keeping | Transmitting | Input Voltage | DC3.8V | | | | |
| Temperature | 24 deg. C, | | Humidity | 56% RH | | | | |
| Test Result: | | Pass | Detector | PK | | | | |
| 5850 | PK (dBµV/m) | 49.0 (PK) | T : '/ | 1710 /441 | | | | |
| | EIRP (dBm) | -46.2 | Limit | -17dBm/MHz | | | | |
| Polarity | Vertical | | | | | | | |

Remark: 1. According to KDB 789033 D02 General UNII Test Procedures New Rules v01 section G) d) (ii), for measurement above 1000MHz@3m distance, the limit of EIRP is calculated as follows:

 $EIRP[dBm] = E[dB\mu V/m] - 95.2$

For Example, if $E[dB\mu V/m] = 49.0$ $dB\mu V/m$,

 $EIRP[dBm] = E[dB\mu V/m] - 95.2=49.0-95.2=-46.2 dBm$

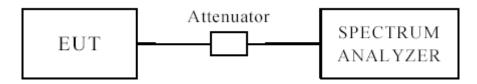
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7.0 Emission Bandwidth

7.1 Test Setup



7.3 Test Procedure for Emission Bandwidth

- 1. Set RBW = approximately 1% of the emission bandwidth.
- 2. Set VBW> RBW
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is 26 dB down from the maximum of the emission. Compare this with the RBW setting of the analyzer. Readjust RBW and repeat measurement as needed until the RBW/EBW ratio is approximately 1%.

7.4 Test Procedure for Minimum Bandwidth for the Band 5725-5850MHz

- 1. Set RBW = 100 kHz.
- 2. Set VBW \geqslant 3 \times RBW.
- 3. Detector = Peak.
- 4. Trace mode = max hold.
- 5. Sweep = auto couple.
- 6. Allow the trace to stabilize.
- 7. Measure the maximum width of the emission that is constrained by the frequencies associated with the two outermost amplitude points (upper and lower frequencies) that are attenuated by 6 dB relative to the maximum level measured in the fundamental emission.

7.5 Test Procedure for 99% Bandwidth

- 1. Set center frequency to the nominal EUT channel center frequency
- 2. Set span = 1.5 times to 5.0 times OBW
- 3. Set RBW= 1% TO 5% of the OBW
- 4. Set $VBW \ge 3 \times RBW$
- 5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Other, peak detection and max mode (until trace stabilizes) shall be used.
- 6. Use the 99% power bandwidth function of the instrument

The report refers only to the sample tested and does not apply to the bulk.

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7.6 Test Result

| EUT | | VR Headset N | | Model | | CVR-255-64 | | |
|-----------|---------|-----------------------|-----------|-------|-----------|------------------------|--------|------------|
| Mode | | 8 | 302.11a | | Input Vol | tage | DC3.8V | |
| Temperati | ure | 24 | 4 deg. C, | | Humidity | r | | 56% RH |
| Channel | | el Frequency (MHz) | | | | Minimum Limit (MHz) | | Pass/ Fail |
| 26dB Bar | ndwidth | | | | | | | |
| 36 | | 5180 | 6 | 22 | 22.67 | | | Pass |
| 40 | | 5200 | 6 | 21 | 1.76 | | | Pass |
| 48 | | 5240 | 6 | 21 | .88 | | | Pass |
| | | | | | | | | |
| 99% Ban | dwidth | | | | | | | |
| 36 | | 5180 | 6 | 17 | 7.56 | | | Pass |
| 40 | | 5200 | 6 | 16 | 16.95 | | | Pass |
| 48 | | 5240 | 6 | 17 | .01 | | | Pass |

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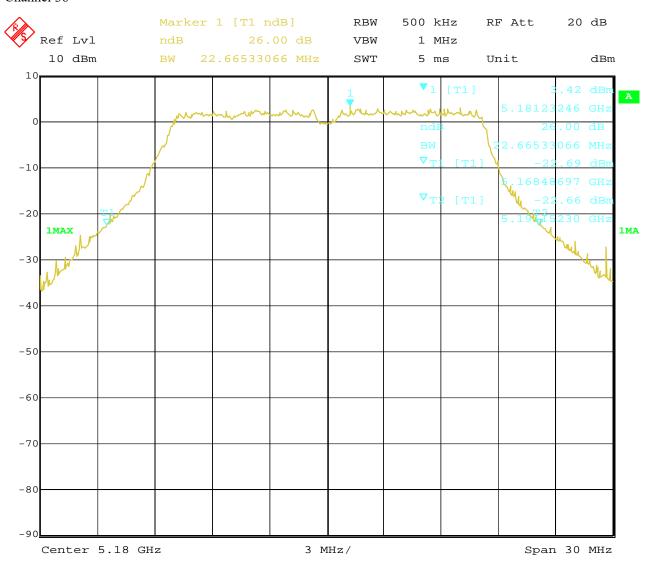
Date: 2021-08-19



Test Figure:

26dB Bandwidth

Channel 36



16.AUG.2021 17:05:03 Date:

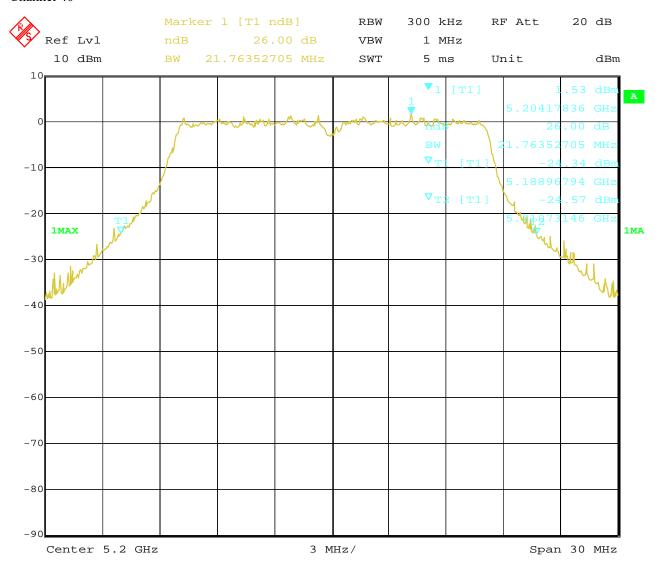
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Date: 2021-08-19



Channel 40



16.AUG.2021 17:23:54 Date:

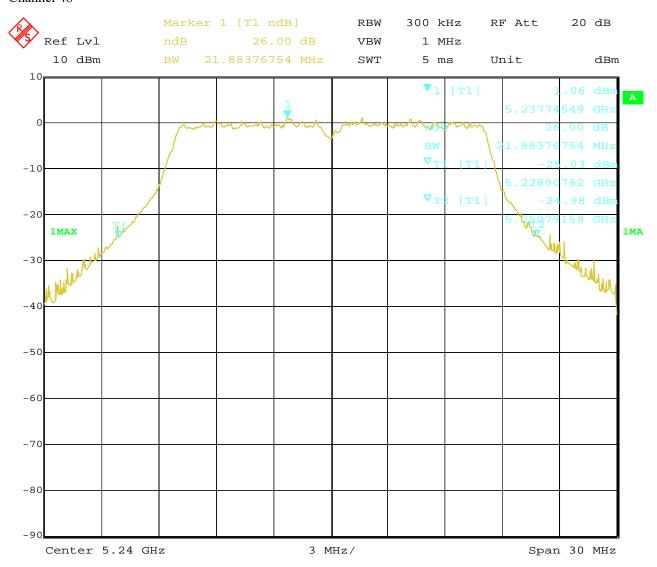
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Date: 2021-08-19



Channel 48



Date: 16.AUG.2021 17:34:40

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Report No.: TW2106177-04E

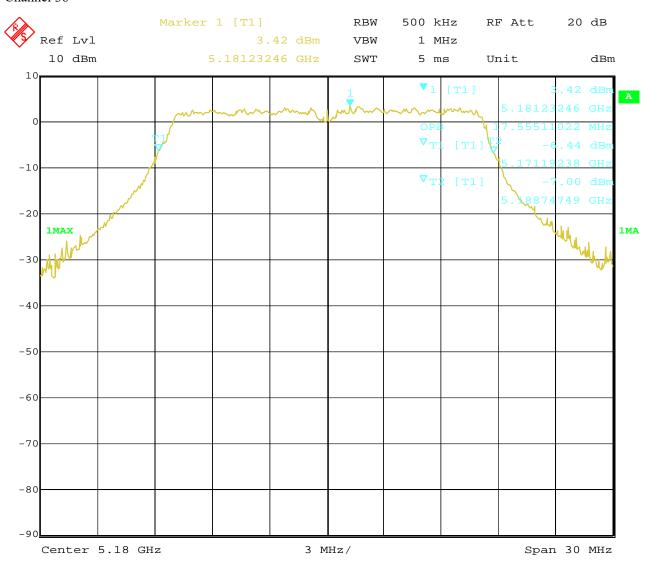
Date: 2021-08-19



Test Figure:

99% Bandwidth

Channel 36



16.AUG.2021 17:12:40 Date:

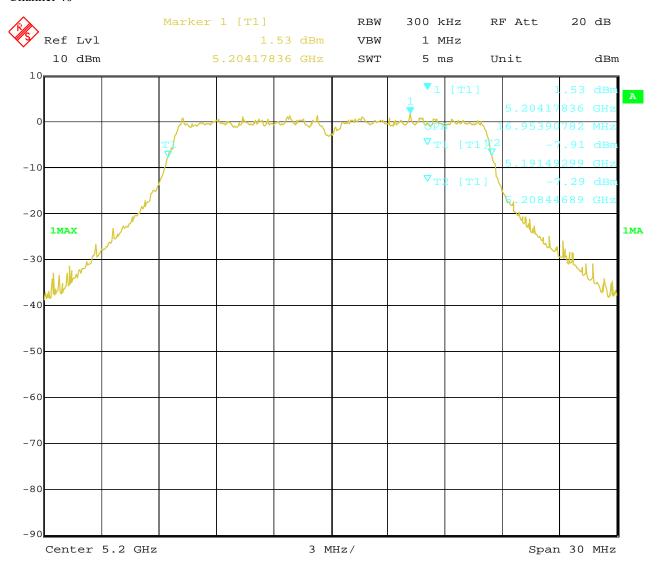
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 40



16.AUG.2021 17:24:13 Date:

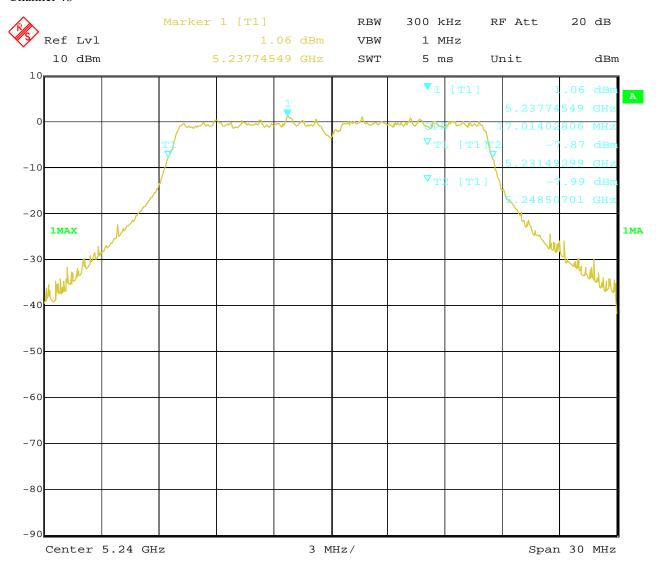
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Date: 2021-08-19



Channel 48



Date: 16.AUG.2021 17:34:54 Report No.: TW2106177-04E Page 50 of 171

Date: 2021-08-19



| EUT | | VF | R Headset | | Model | | C | CVR-255-64 |
|----------|---------------|-----------------------|---------------------------|-------|--------------|---------------------|-----|------------|
| Mode | | 8 | 302.11a | | Input Vol | ltage | | DC3.8V |
| Temperat | ure | 24 | 4 deg. C, | | Humidity | 7 | | 56% RH |
| Channel | | el Frequency (MHz) | Data Transfer Rate (Mbps) | | width Hz) | Minimum Limit (MHz) | | Pass/ Fail |
| 26dB Bai | ndwidth | | | | | | | |
| 149 | | 5745 | 6 | 21 | .88 | | | Pass |
| 153 | | 5765 | 6 | 21 | .70 | | | Pass |
| 165 | | 5825 | 6 | 21.94 | | | | Pass |
| | | | | | | | | |
| 6dB Ban | dwidth | | | | | | | |
| 149 | | 5745 | 6 | 16 | 5.41 | | 0.5 | Pass |
| 153 | | 5765 | 6 | 16 | .41 | | 0.5 | Pass |
| 165 | | 5825 | 6 | 16 | .42 | | 0.5 | Pass |
| | | | | | | | | |
| 99% Ban | 99% Bandwidth | | | | | | | |
| 149 | | 5745 | 6 | 17 | .01 | | | Pass |
| 153 | | 5765 | 6 | 16 | 16.95 | | | Pass |
| 165 | | 5825 | 6 | 17 | .01 | | | Pass |

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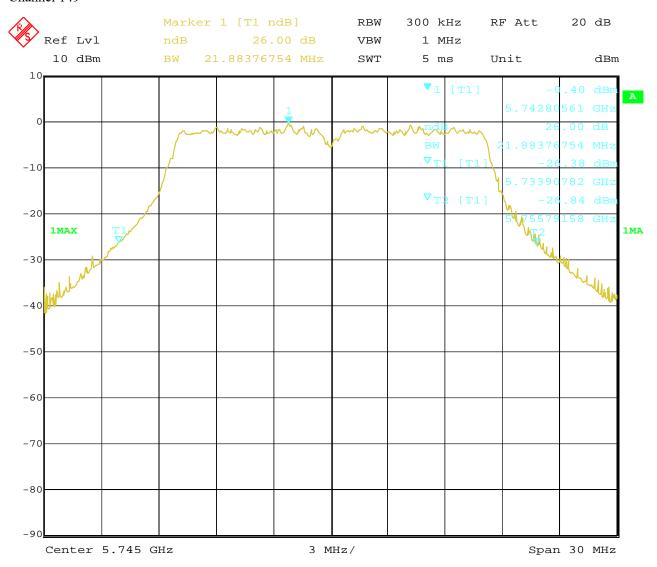
Date: 2021-08-19



Test Figure:

26dB Bandwidth

Channel 149



18.AUG.2021 09:53:12 Date:

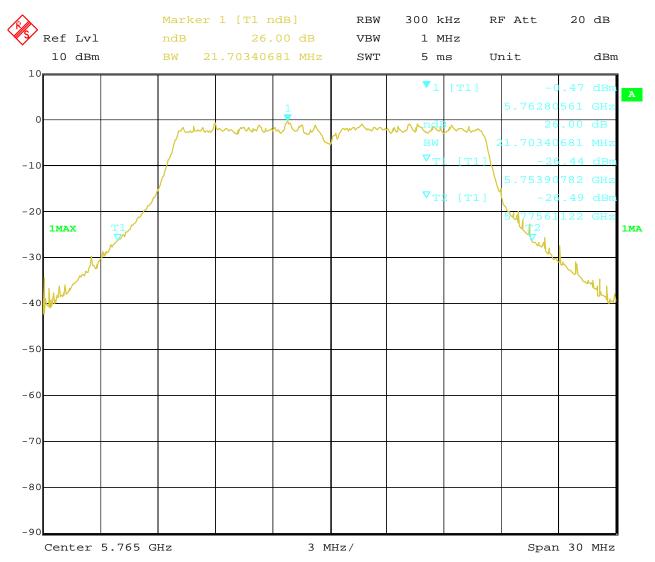
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Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 10:17:51

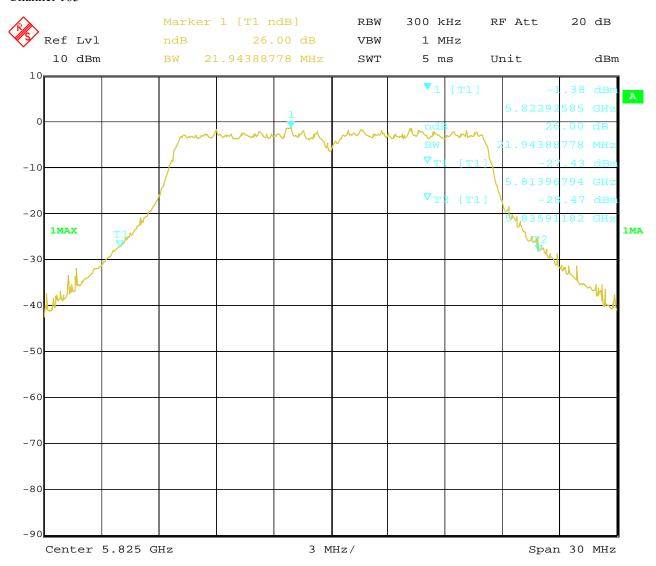
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Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 10:56:05

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Report No.: TW2106177-04E

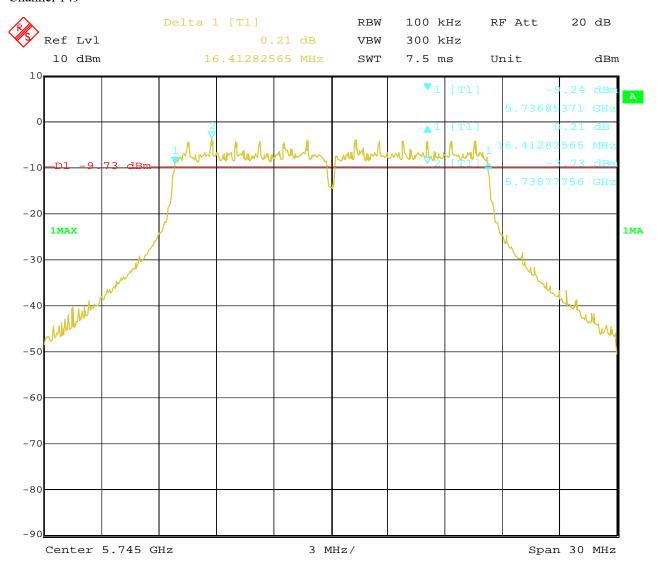
Date: 2021-08-19



Test Figure:

6dB Bandwidth

Channel 149



18.AUG.2021 09:51:01 Date:

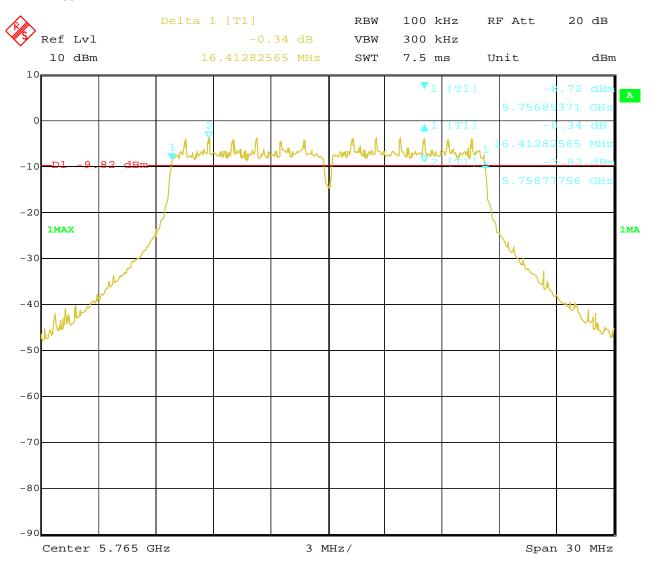
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 10:16:57

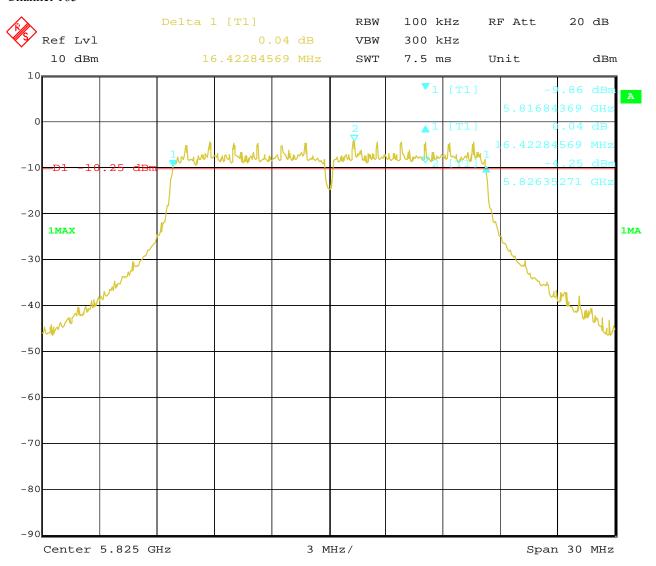
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Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 10:53:26

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Report No.: TW2106177-04E

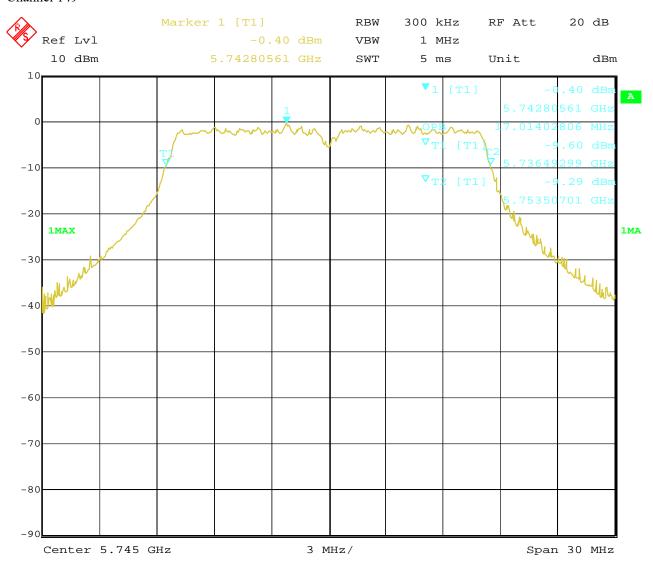
Date: 2021-08-19



Test Figure:

99% Bandwidth

Channel 149



18.AUG.2021 09:53:30 Date:

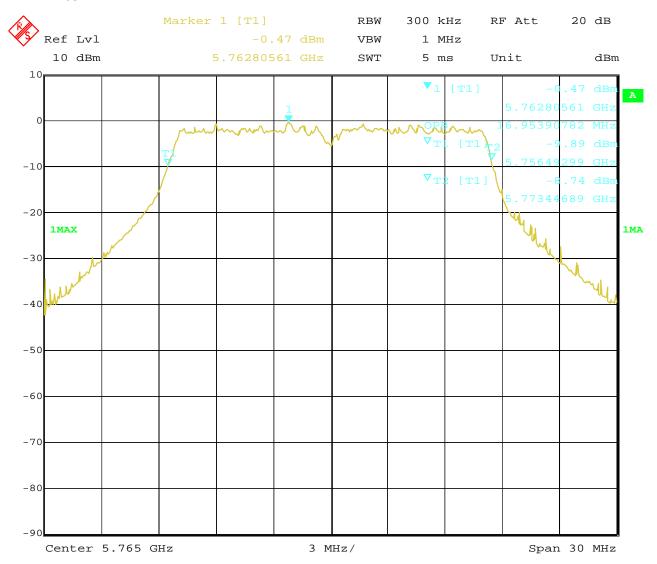
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Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 10:18:10

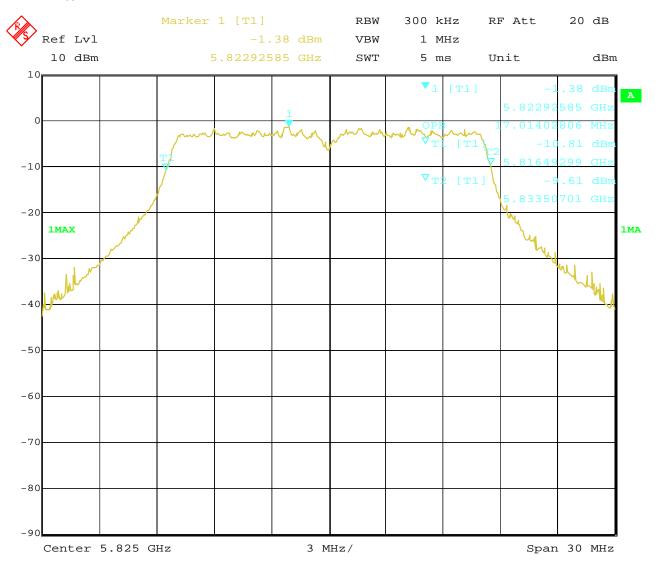
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Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 10:56:31 Report No.: TW2106177-04E Page 60 of 171

Date: 2021-08-19



| EUT | | VR Headset | | | Model | | CVR-255-64 | | |
|-------------|-------------------------------|--------------|---------------------------|--------------------|---------------|------------------------|------------|------------|--|
| Mode | | 802.11n HT20 | | | Input Voltage | | DC3.8V | | |
| Temperature | | 24 deg. C, | | | Humidity | | | 56% RH | |
| Channel | annel Channel Frequency (MHz) | | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | |
| 26dB Bai | ndwidth | | | | | | | | |
| 36 | 5180 | | mcs0 | 23.09 | | | | Pass | |
| 40 | | 5200 | mcs0 | 23.09 | | | | Pass | |
| 48 | 5240 | | mcs0 | 22.97 | | | | Pass | |
| | 1 | | , | | | 1 | | , | |
| 99% Ban | dwidth | | | | | | | | |
| 36 | | 5180 | mcs0 | 18 | .10 | | | Pass | |
| 40 | | 5200 | mcs0 | 18 | .10 | | | Pass | |
| 48 | | 5240 | mcs0 | 18.10 | | | | Pass | |

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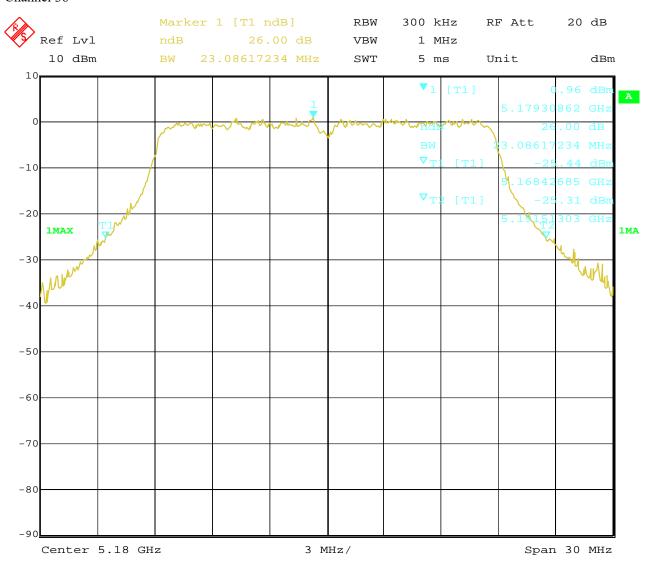
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 36



17.AUG.2021 10:29:31 Date:

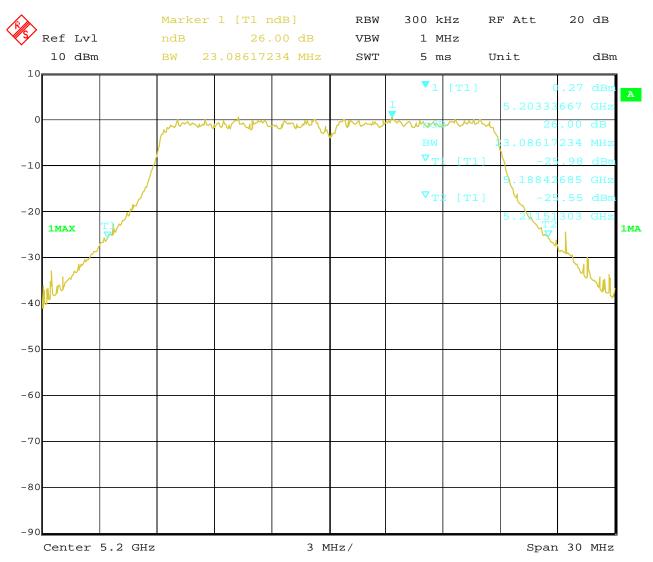
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Date: 2021-08-19



Channel 40



17.AUG.2021 13:29:38 Date:

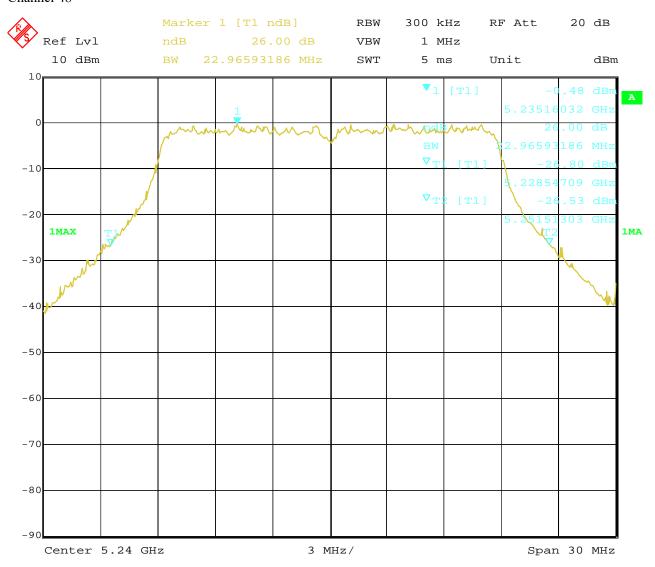
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Date: 2021-08-19



Channel 48



Date: 17.AUG.2021 13:25:38

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Report No.: TW2106177-04E

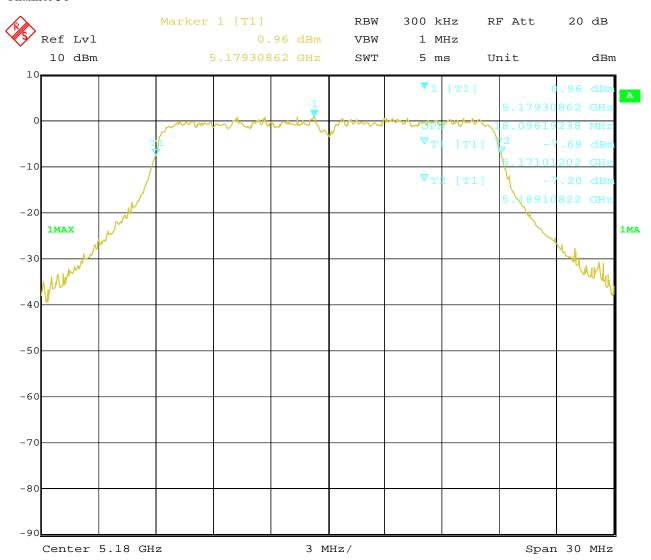
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 36



17.AUG.2021 10:30:07 Date:

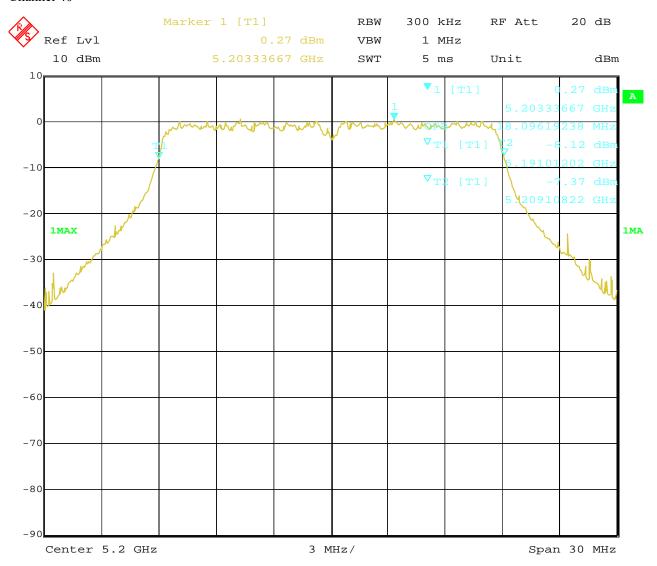
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 40



17.AUG.2021 13:29:30 Date:

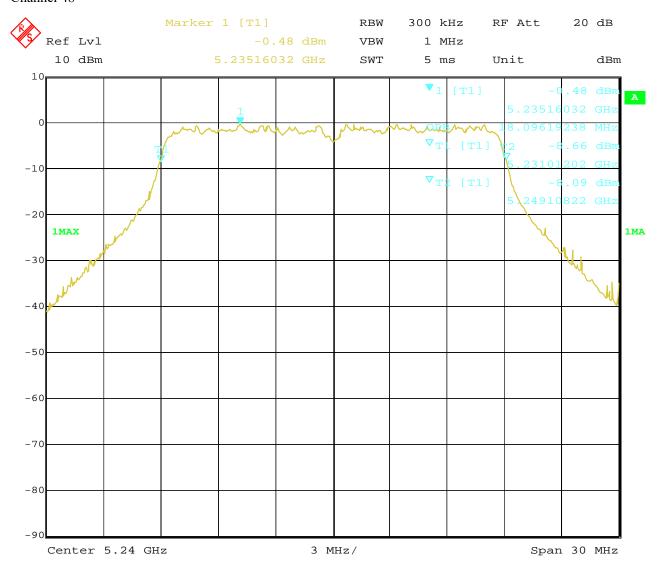
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 48



Date: 17.AUG.2021 13:26:03

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Report No.: TW2106177-04E

Date: 2021-08-19



| EUT | | VI | VR Headset | | | Model | | CVR-255-64 | |
|-------------|-----------------------------|--------------|---------------------------|--------------------|---------------|------------------------|--------|------------|--|
| Mode | | 802.11n HT20 | | | Input Voltage | | DC3.8V | | |
| Temperature | | 24 | 4 deg. C, | | Humidity | | 56% RH | | |
| Channel | nel Channel Frequency (MHz) | | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | |
| 26dB Bai | ndwidth | | | | | | | | |
| 149 | 5745 | | 6 | 23.21 | | | | Pass | |
| 153 | 5765 | | 6 | 23.03 | | | | Pass | |
| 165 | 5825 | | 6 | 22 | 22.97 | | | Pass | |
| | | | | | | | | | |
| 6dB Ban | dwidth | | | | | | | | |
| 149 | 5745 | | 6 | 17.63 | | 0.5 | | Pass | |
| 153 | | 5765 | 6 | 17 | 7.63 | 0.5 | | Pass | |
| 165 | 5825 | | 6 | 17.59 | | 0.5 | | Pass | |
| | | | | | | | | | |
| 99% Ban | dwidth | | | | | | | | |
| 149 | | 5745 | 6 | 18 | 18.10 | | | Pass | |
| 153 | | 5765 | 6 | 18 | 18.10 | | | Pass | |
| 165 | 5825 | | 6 | 18.10 | | | | Pass | |

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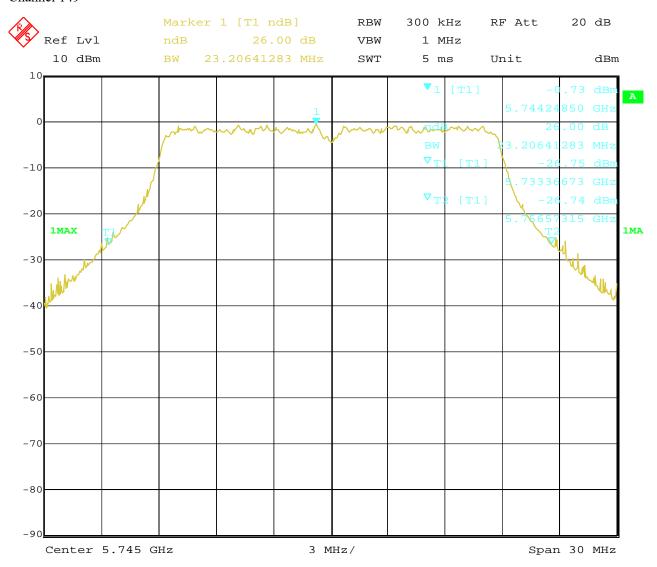
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 149



18.AUG.2021 13:24:44 Date:

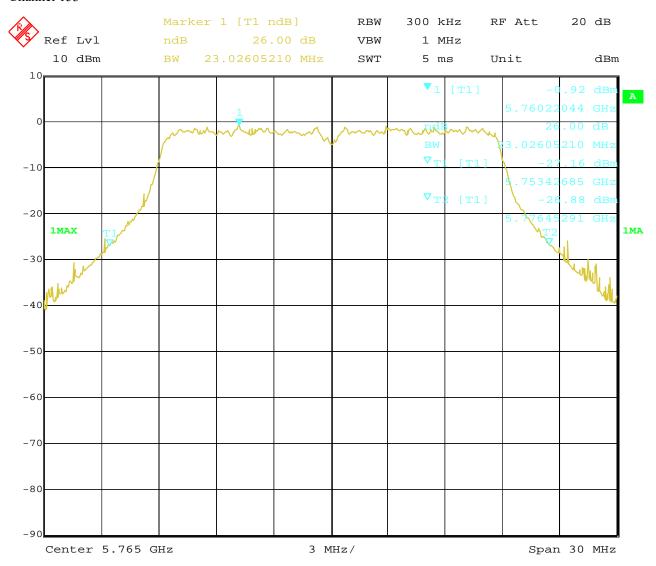
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 13:05:57

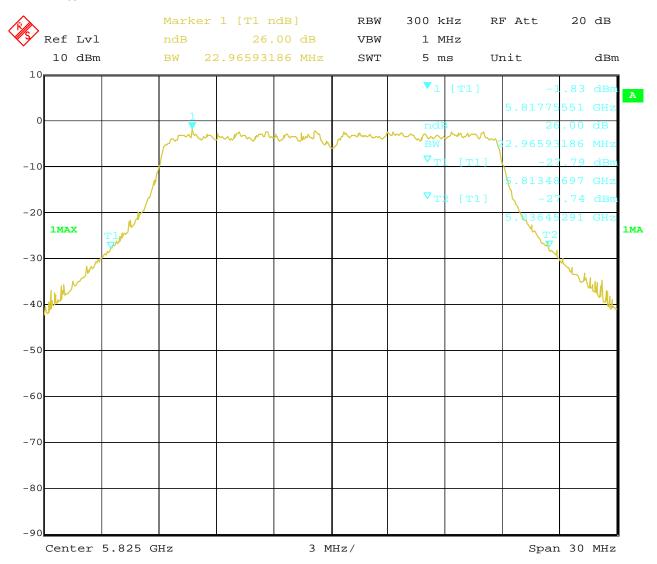
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Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 11:15:20

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Report No.: TW2106177-04E

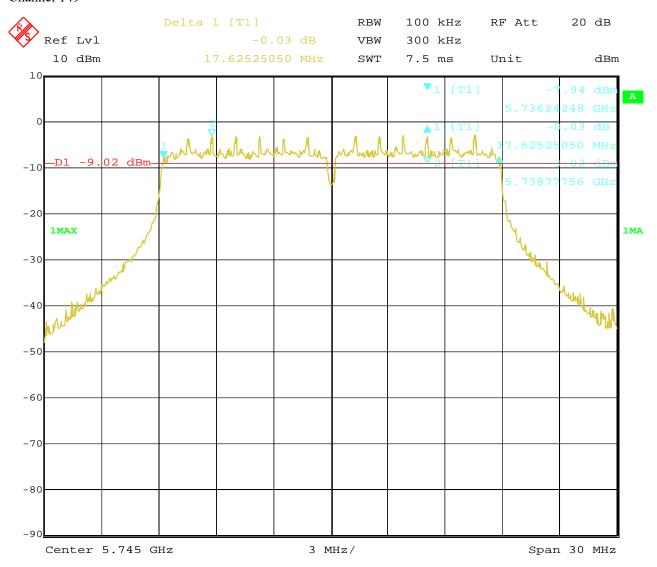
Date: 2021-08-19



Test Configure

6dB Bandwidth

Channel 149



18.AUG.2021 13:21:50 Date:

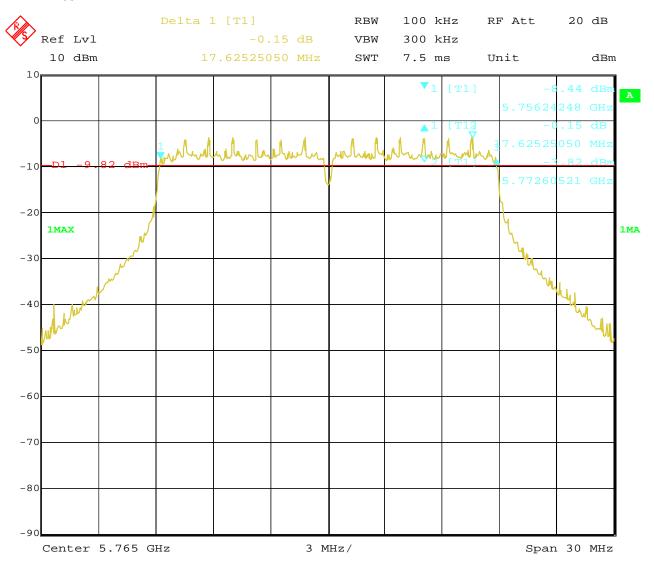
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 13:03:59

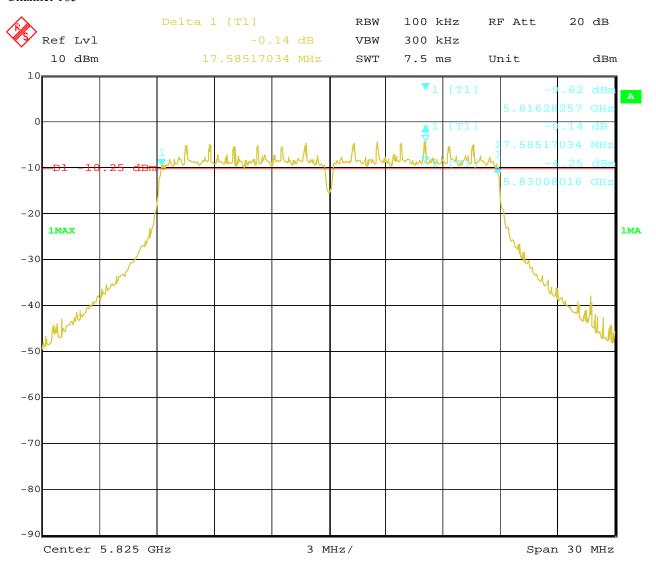
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 11:13:35

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Report No.: TW2106177-04E

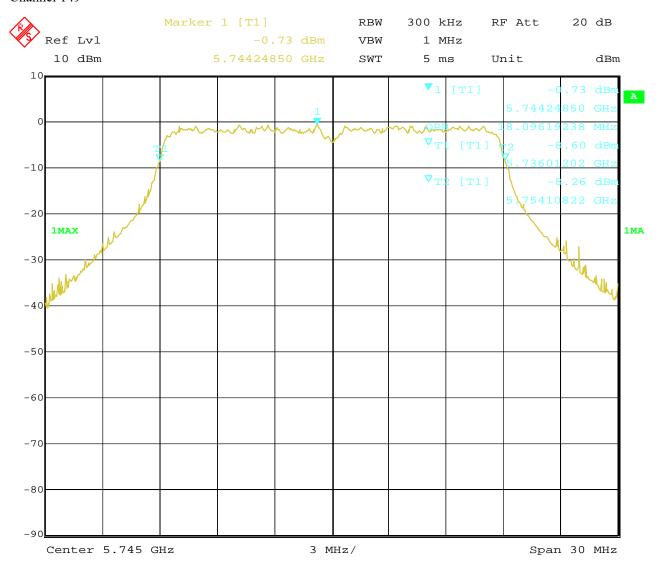
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 149



18.AUG.2021 13:24:58 Date:

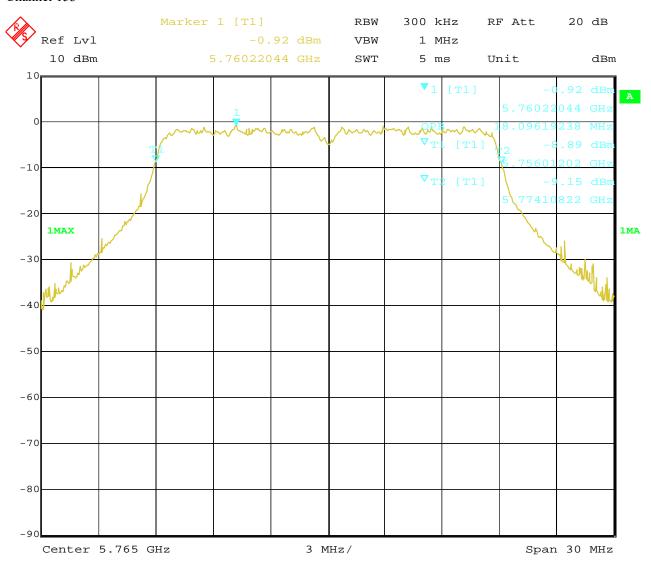
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Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 13:06:09

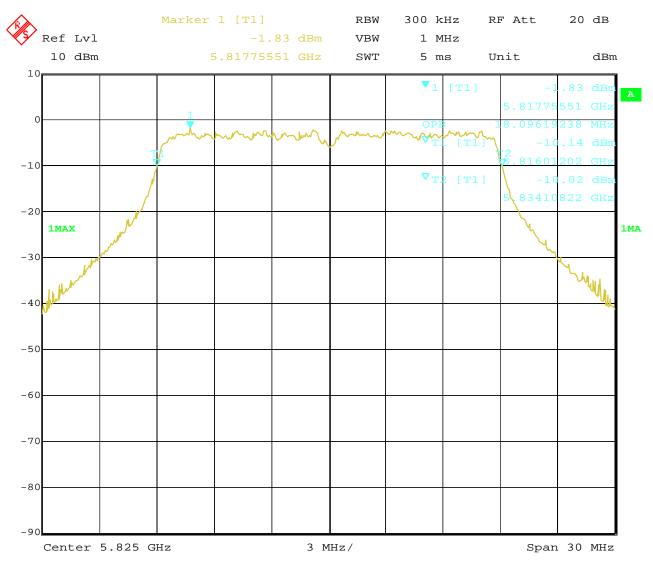
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Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 11:15:41 Report No.: TW2106177-04E Page 77 of 171

Date: 2021-08-19



| EUT | | VR Headset | | | Model | | C | CVR-255-64 | |
|-------------|----------------------------|--------------|---------------------------|--------------------|---------------|------------------------|--------|------------|--|
| Mode | | 802.11n HT40 | | | Input Voltage | | DC3.8V | | |
| Temperature | | 24 deg. C, | | | Humidity | | 56% RH | | |
| Channel | Channel Frequency (MHz) | | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | |
| 26dB Baı | ndwidth | | | | | | | | |
| 38 | | 5190 | mcs0 | 43.65 | | | | Pass | |
| 46 | | 5230 | mcs0 | 43.41 | | .41 | | Pass | |
| | | | | | | | | | |
| 99% Ban | dwidth | | | | | | | | |
| 38 | | 5190 | mcs0 | 37.39 | | .39 | | Pass | |
| 46 | | 5230 | mcs0 | 37.39 | | | | Pass | |

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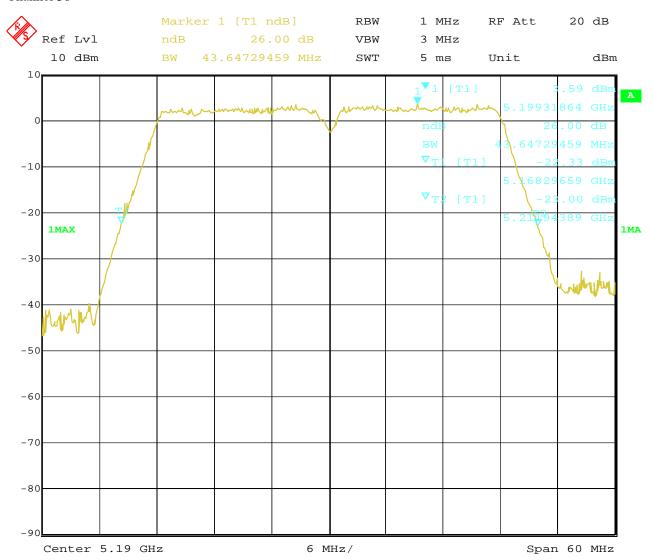
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 38



17.AUG.2021 14:00:41 Date:

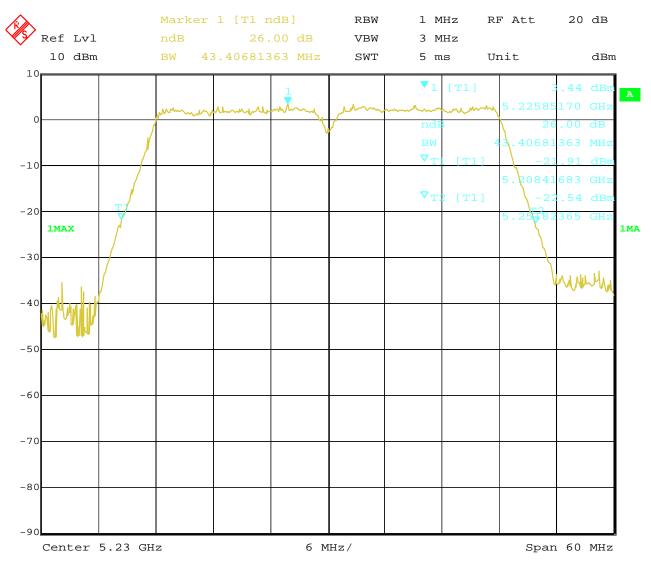
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Date: 2021-08-19



Channel 46



Date: 17.AUG.2021 14:08:51

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Report No.: TW2106177-04E

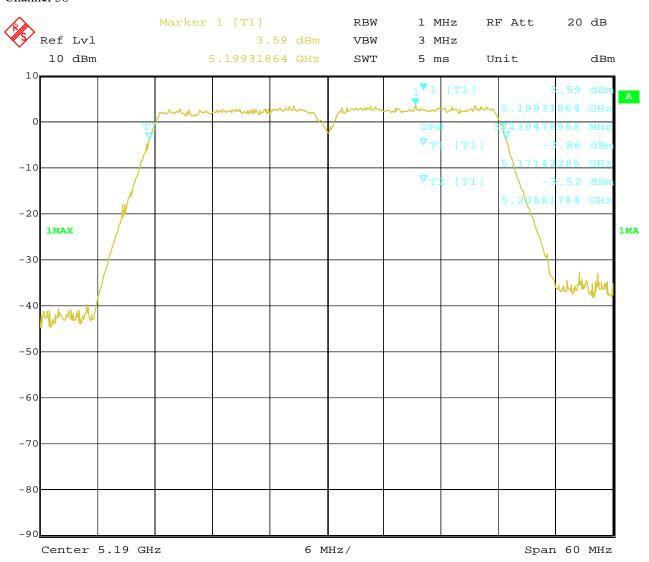
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 38



17.AUG.2021 14:01:27 Date:

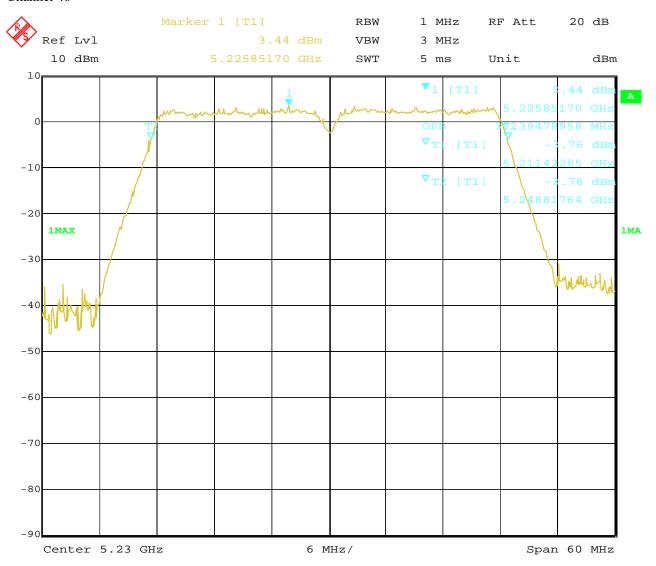
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Date: 2021-08-19



Channel 46



Date: 17.AUG.2021 14:09:15 Report No.: TW2106177-04E Page 82 of 171

Date: 2021-08-19



| EUT | | VF | Model | | CVR-255-64 | | | | |
|----------------|-------------------------|--------------|---------------------------|--------------------|------------|------------------------|------|------------|--|
| Mode | Mode | | 802.11n HT40 | | | Input Voltage | | DC3.8V | |
| Temperature 24 | | 4 deg. C, | | Humidity | | 56% RH | | | |
| Channel | Channel Frequency (MHz) | | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | |
| 26dB Bandwidth | | | | | | | | | |
| 151 | | 5755 | mcs0 | 43 | .65 | | | Pass | |
| 159 | | 5795 | mcs0 | 43.65 | | | | Pass | |
| | | | | | | | | | |
| 6dB Band | dwidth | | | | | | | | |
| 151 | 5755 | | mcs0 | 36.31 | | 0.5 | | Pass | |
| 159 | 5795 | | mcs0 | 36.43 | | 0.5 | | Pass | |
| | | | | | | | | | |
| 99% Bandwidth | | | | | | | | | |
| 151 | 5755 mcs0 | | 37 | 37.39 | | | Pass | | |
| 159 | | 5795 mcs0 3° | | 37 | .39 | | | Pass | |

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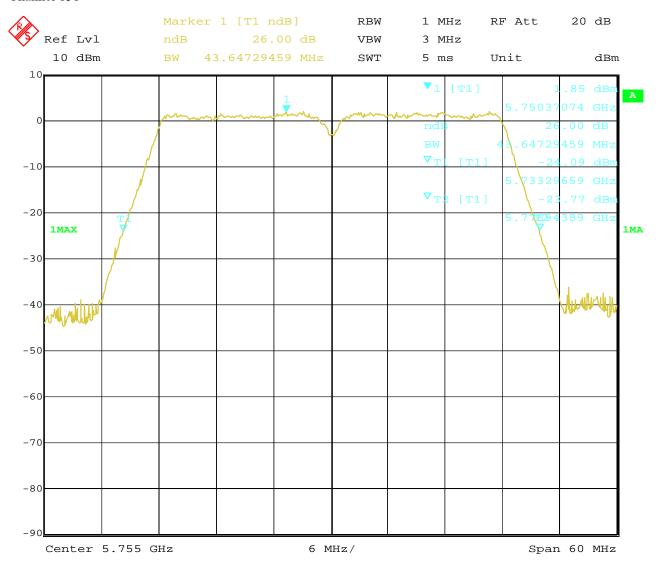
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 151



18.AUG.2021 14:09:14 Date:

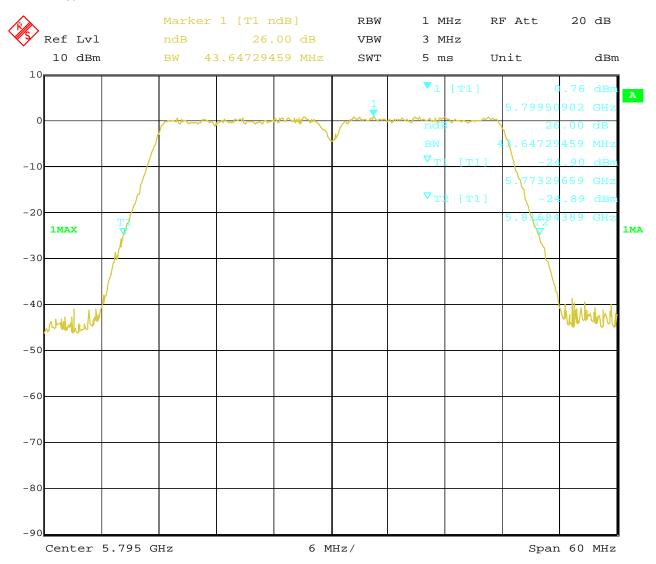
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 159



Date: 18.AUG.2021 14:24:08

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Report No.: TW2106177-04E

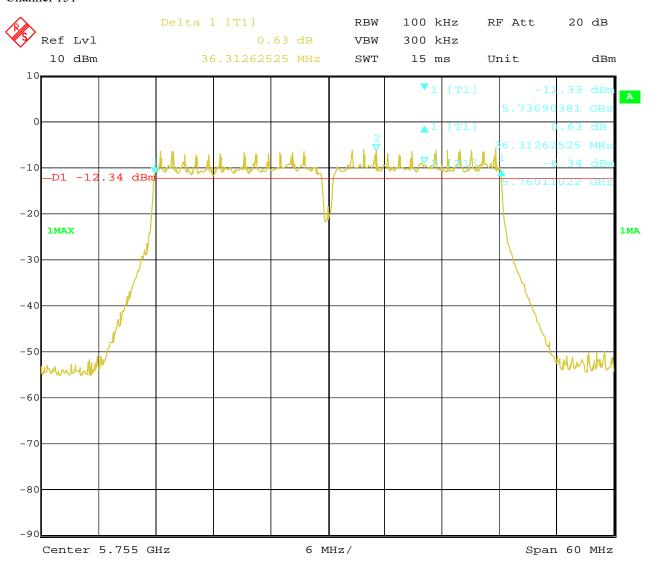
Date: 2021-08-19



Test Configure

6dB Bandwidth

Channel 151



18.AUG.2021 14:08:45 Date:

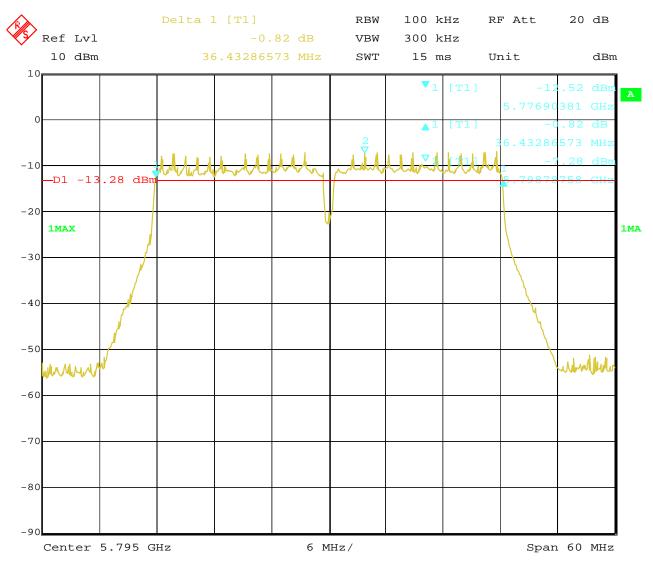
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Date: 2021-08-19



Channel 159



Date: 18.AUG.2021 14:23:47

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Report No.: TW2106177-04E

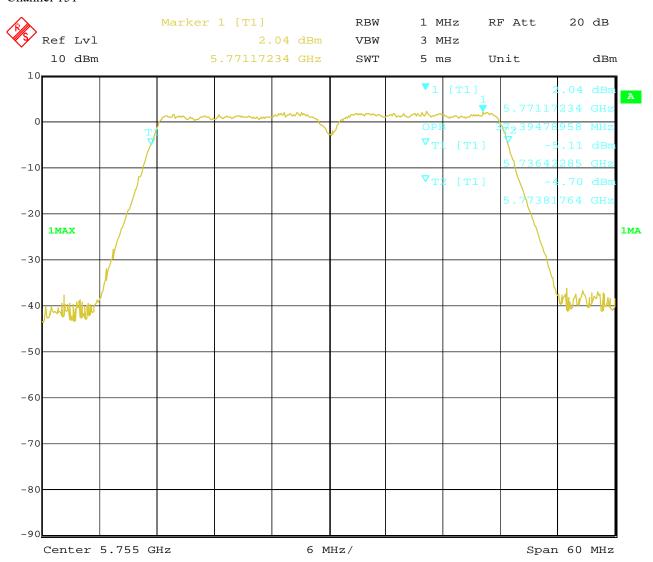
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 151



18.AUG.2021 14:09:43 Date:

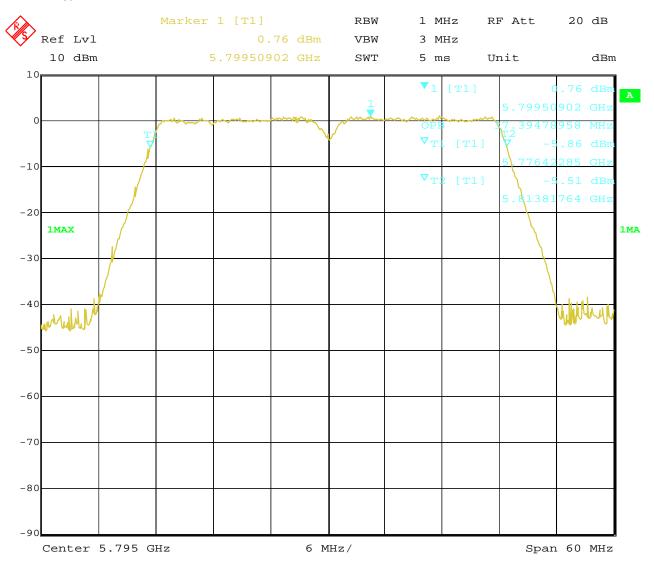
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Date: 2021-08-19



Channel 159



Date: 18.AUG.2021 14:24:19 Report No.: TW2106177-04E Page 89 of 171

Date: 2021-08-19



| EUT | | VR Headset | | | Model | | C | CVR-255-64 | |
|-------------|-------------------------|------------|---------------------------|--------------------|----------|------------------------|--------|------------|--|
| Mode | | 802.1 | 802.11ac VHT20 | | | Input Voltage | | DC3.8V | |
| Temperature | | 24 deg. C, | | | Humidity | y | 56% RH | | |
| Channel | Channel Frequency (MHz) | | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | |
| 26dB Baı | ndwidth | | | | | | | | |
| 36 | 5180 | | mcs0 | 23.21 | | | | Pass | |
| 40 | | 5200 | mcs0 | 22 | .79 | | Pass | | |
| 48 | | 5240 | mcs0 | 23 | .15 | | | Pass | |
| | | | , | | | | | | |
| 99% Ban | dwidth | | | | | | | | |
| 36 | | 5180 | mcs0 | 18 | 3.10 | | | Pass | |
| 40 | | 5200 | mcs0 | 18 | 3.10 | | Pass | | |
| 48 | | 5240 | mcs0 | 18.10 | | | | Pass | |

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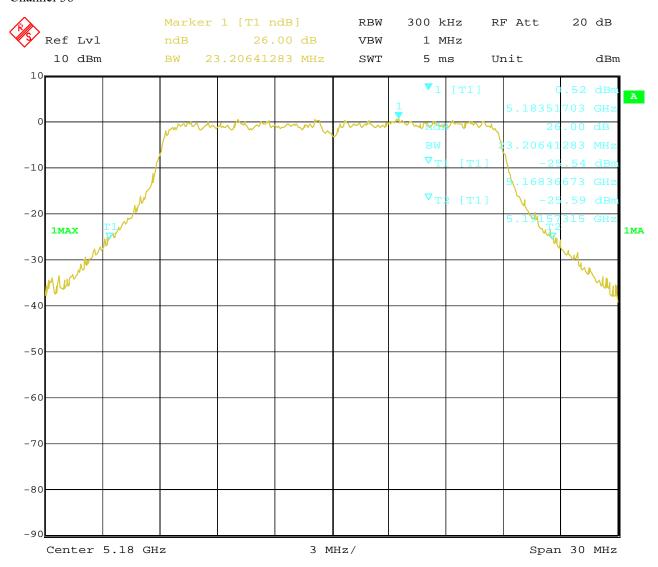
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 36



17.AUG.2021 13:38:36 Date:

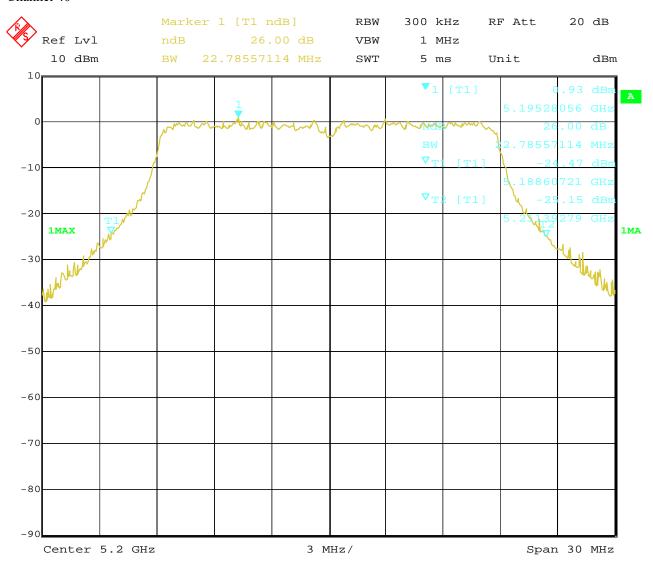
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Date: 2021-08-19



Channel 40



17.AUG.2021 13:47:48 Date:

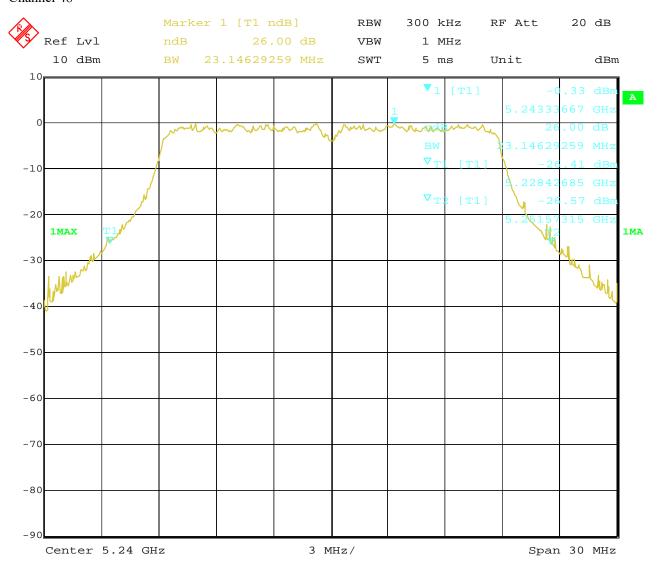
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Date: 2021-08-19



Channel 48



Date: 17.AUG.2021 13:54:11

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Report No.: TW2106177-04E

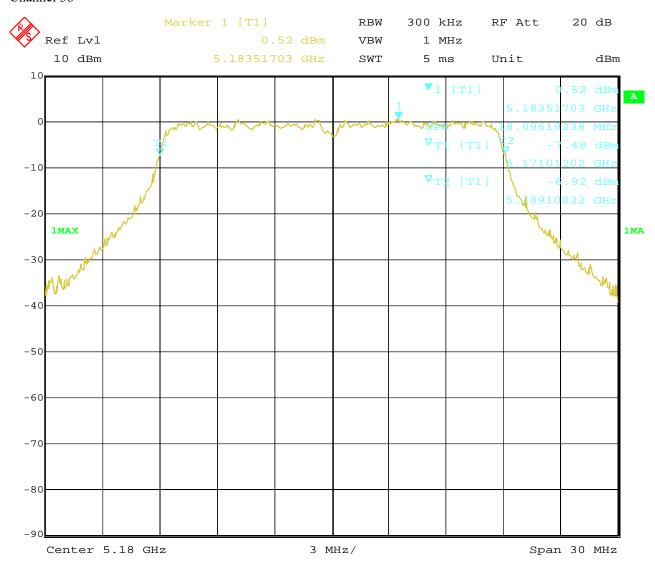
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 36



17.AUG.2021 13:39:05 Date:

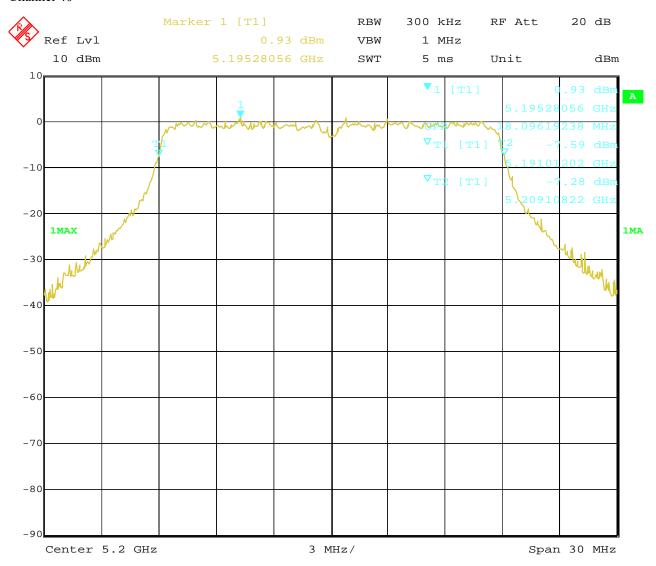
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Date: 2021-08-19



Channel 40



17.AUG.2021 13:48:04 Date:

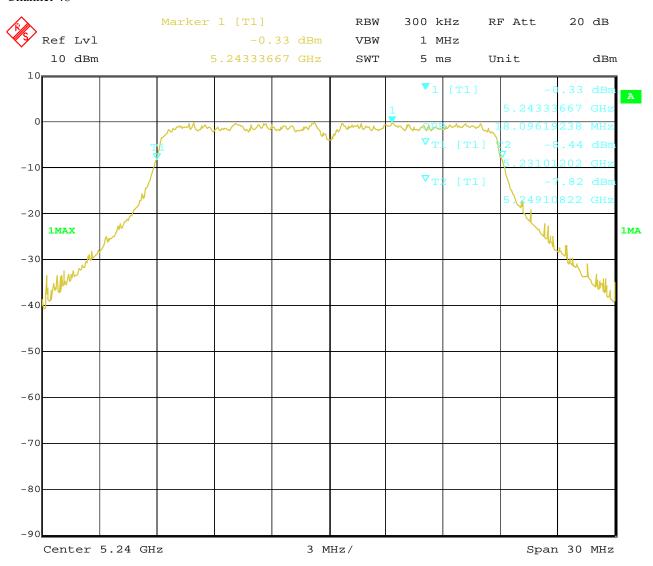
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Date: 2021-08-19



Channel 48



Date: 17.AUG.2021 13:54:26

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Date: 2021-08-19



| EUT | | VR Headset | | | Model | | C | CVR-255-64 | |
|-------------|-------------------------|----------------|---------------------------|--------------------|---------------|------------------------|--------|------------|--|
| Mode | | 802.11ac VHT20 | | | Input Voltage | | DC3.8V | | |
| Temperature | | 24 deg. C, | | | Humidity | | | 56% RH | |
| Channel | Channel Frequency (MHz) | | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | |
| 26dB Bar | ndwidth | | | | | | | | |
| 149 | 149 5745 | | 6 | 23 | .33 | | | Pass | |
| 153 | | 5765 | | 23 | .21 | | | Pass | |
| 165 | 5825 | | 6 | 23.03 | | | | Pass | |
| | | | | | | | | | |
| 6dB Ban | dwidth | | | | | | | | |
| 149 | | 5745 | 6 | 17 | .59 | | 0.5 | Pass | |
| 153 | | 5765 | 6 | 17 | .57 | 0.5 | | Pass | |
| 165 | | 5825 6 | | 17 | 17.61 | | 0.5 | Pass | |
| | | | | | | | | | |
| 99% Ban | dwidth | | | | | | | | |
| 149 | | 5745 | 6 | 18 | .16 | | | Pass | |
| 153 | | 5765 | 6 | 18 | .16 | | | Pass | |
| 165 | | 5825 6 | | 18 | 3.10 | | | Pass | |

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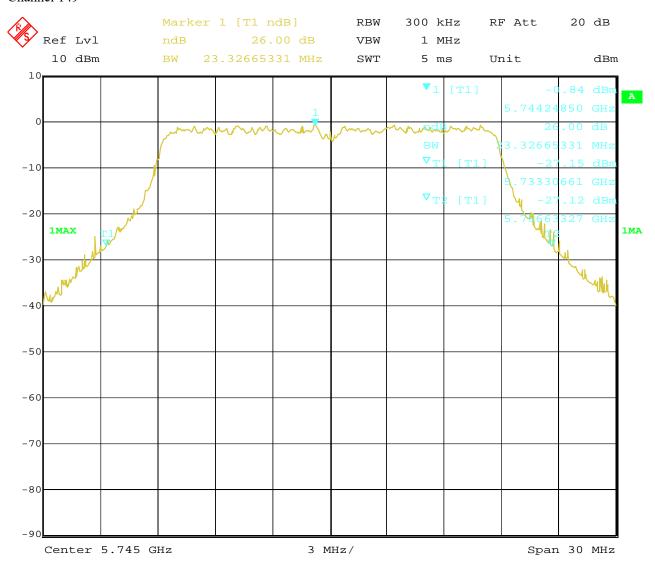
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 149



18.AUG.2021 13:38:55 Date:

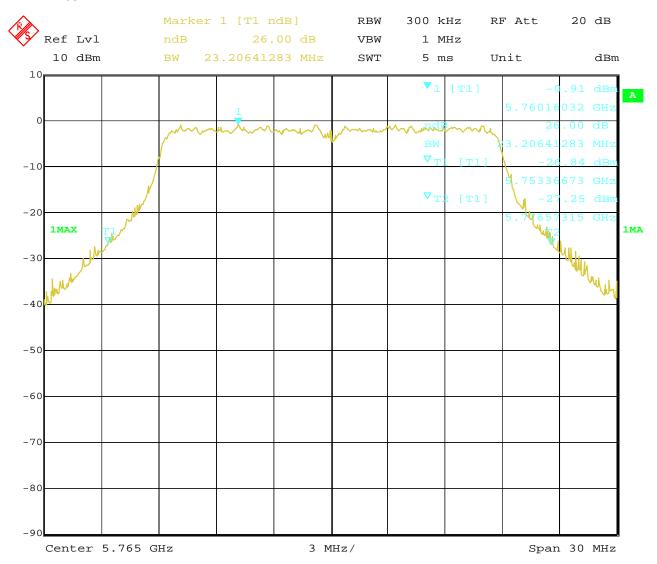
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Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 13:55:37

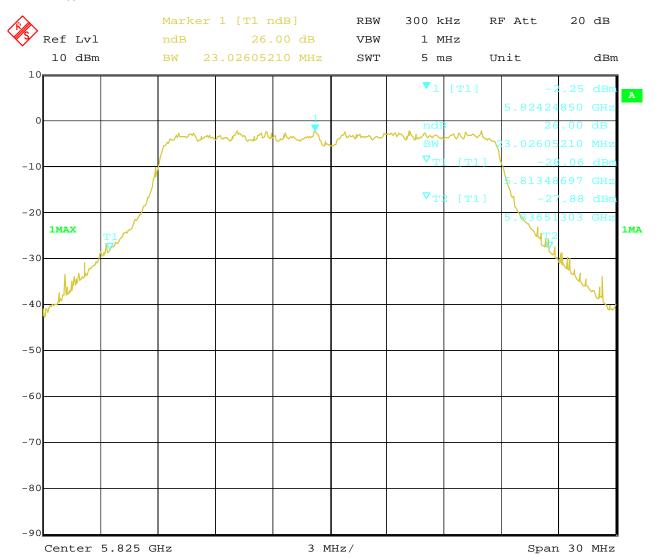
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Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 14:04:24

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Report No.: TW2106177-04E

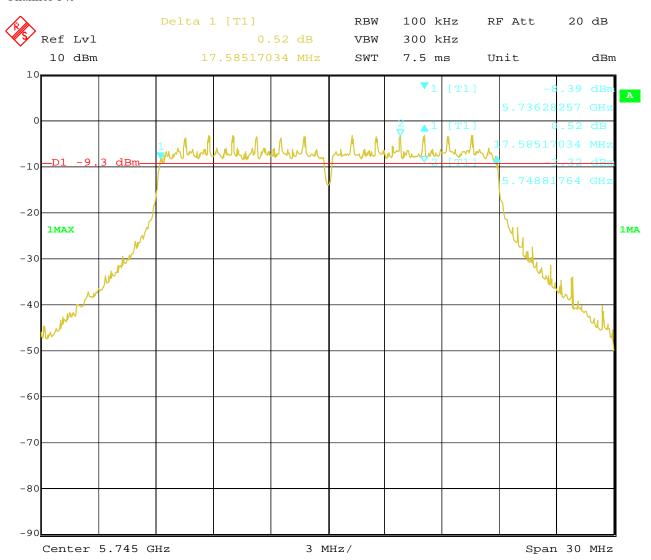
Date: 2021-08-19



Test Configure

6dB Bandwidth

Channel 149



18.AUG.2021 13:36:31 Date:

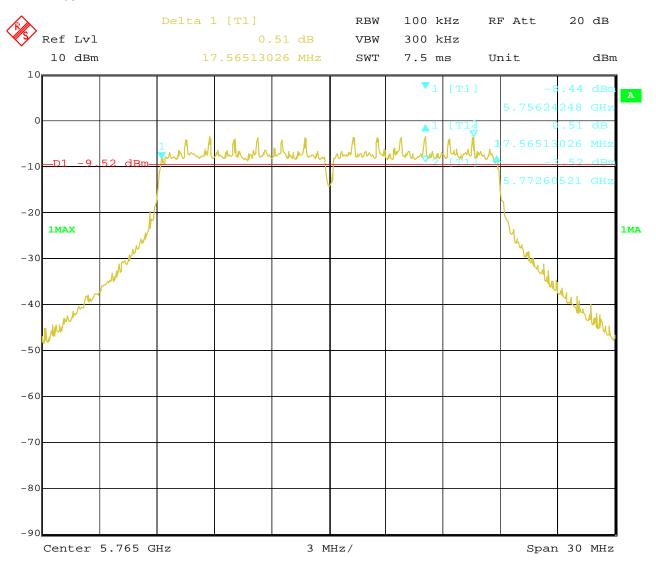
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Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 13:52:17

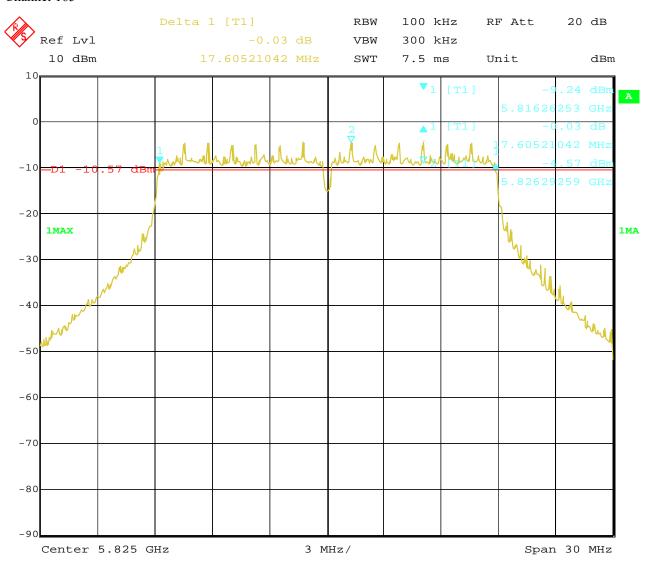
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 14:03:26

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Report No.: TW2106177-04E

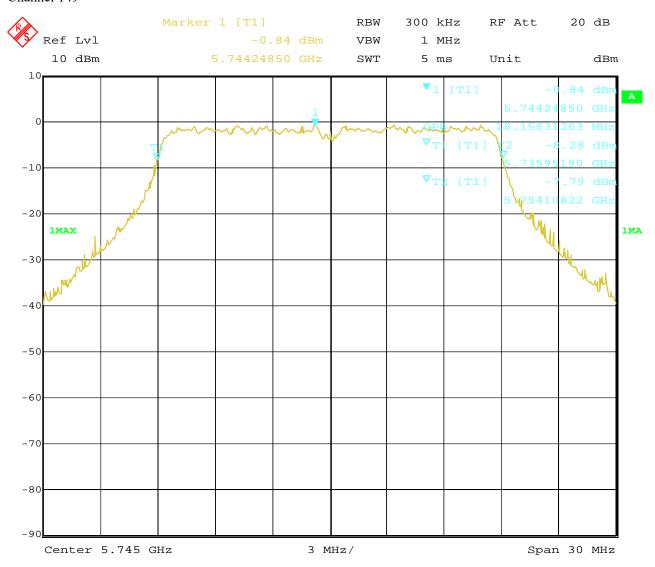
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 149



18.AUG.2021 13:39:19 Date:

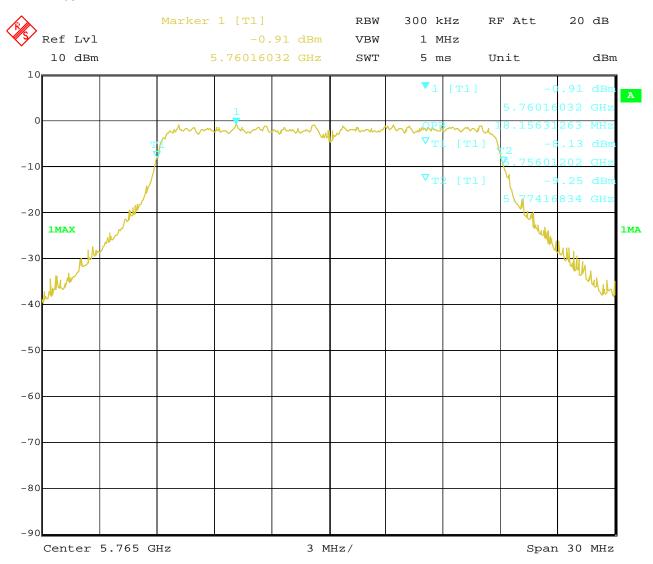
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 153



Date: 18.AUG.2021 13:56:06

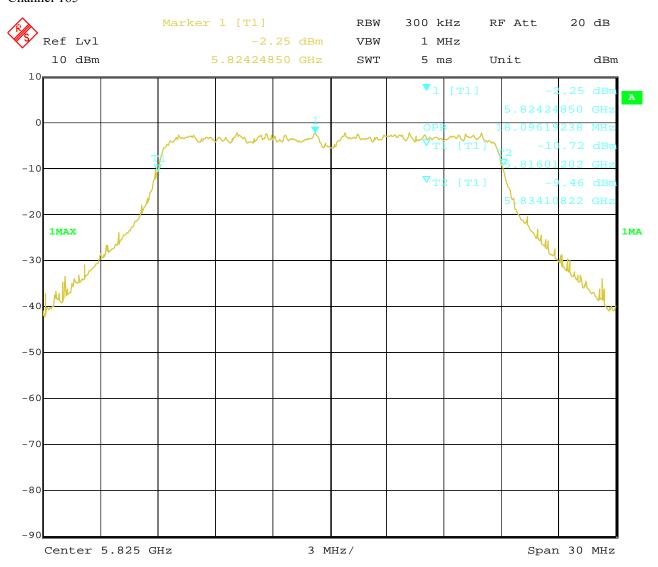
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Date: 2021-08-19



Channel 165



Date: 18.AUG.2021 14:04:42

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Report No.: TW2106177-04E

Date: 2021-08-19



| EUT | | VR Headset | | | Model | | CVR-255-64 | | | |
|---------------|----------------------------|----------------|---------------------------|--------------------|---------------|------------------------|------------|------------|--|--|
| Mode | | 802.11ac VHT40 | | | Input Voltage | | DC3.8V | | | |
| Temperature | | 24 deg. C, | | | Humidity | | 56% RH | | | |
| Channel | Channel Frequency (MHz) | | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | | |
| 26dB Bar | 26dB Bandwidth | | | | | | | | | |
| 38 | 5190 | | mcs0 | 43.65 | | | | Pass | | |
| 46 | 5230 | | mcs0 | 43 | .65 | | | Pass | | |
| | | | | | | | | | | |
| 99% Bandwidth | | | | | | | | | | |
| 38 | 5190 mcs0 37 | | .39 | | | Pass | | | | |
| 46 | 5230 mcs0 37 | | .27 | | | Pass | | | | |

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Report No.: TW2106177-04E

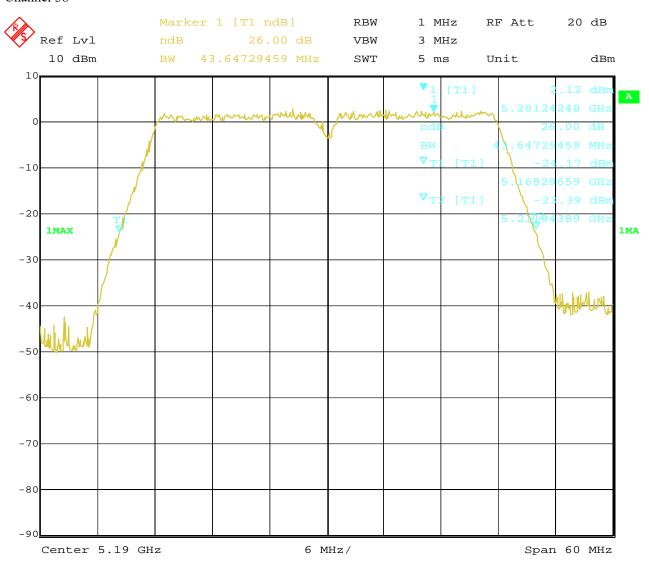
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 38



17.AUG.2021 14:18:54 Date:

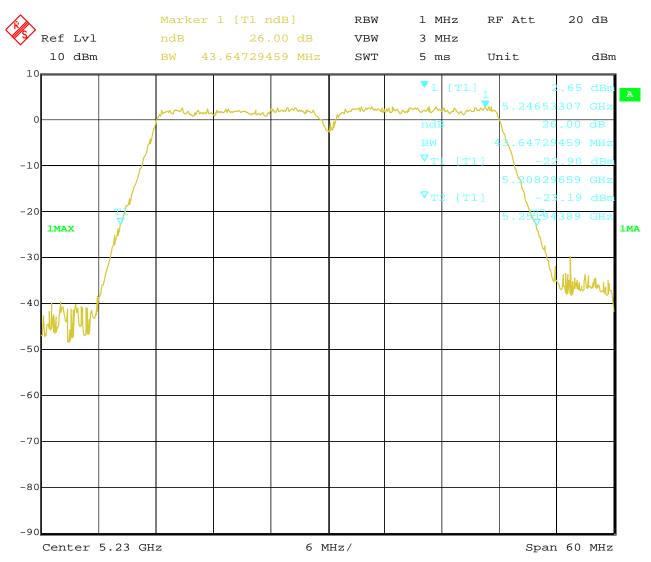
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Report No.: TW2106177-04E

Date: 2021-08-19



Channel 46



Date: 17.AUG.2021 14:14:10

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Report No.: TW2106177-04E

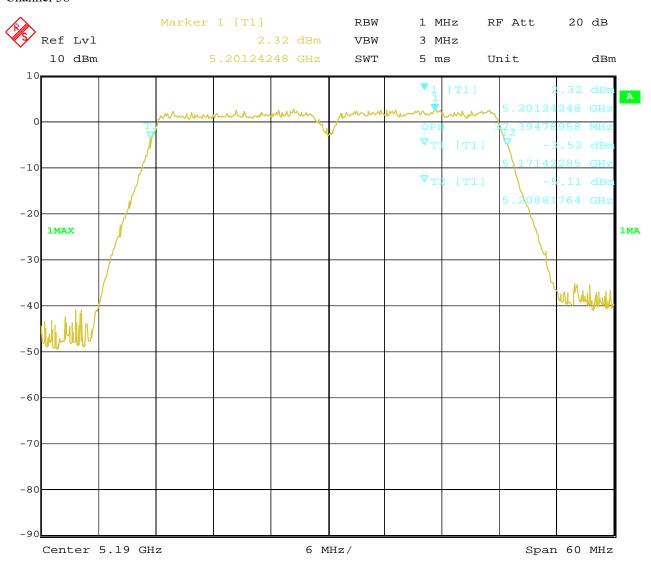
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 38



17.AUG.2021 14:19:05 Date:

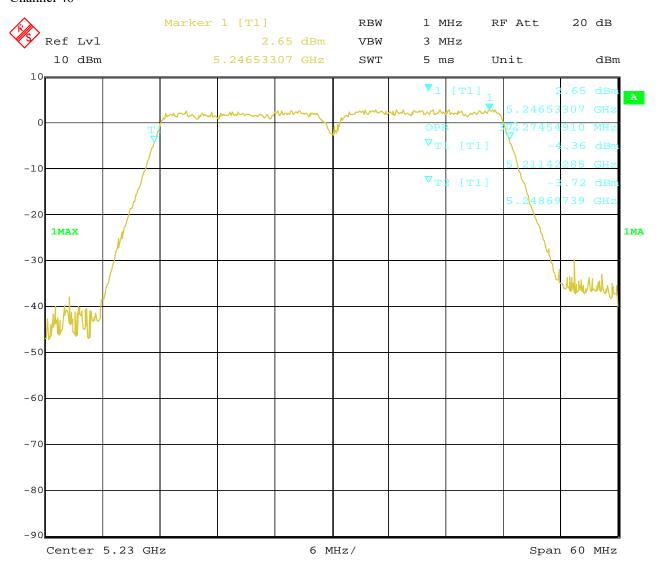
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Date: 2021-08-19



Channel 46



Date: 17.AUG.2021 14:14:24

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Report No.: TW2106177-04E

Date: 2021-08-19



| EUT | | VF | R Headset | | Model | | C | VR-255-64 |
|-----------|----------|-----------------------|---------------------------|--------------------|----------|-----|-------------------|------------|
| Mode | | 802.1 | 1ac VHT40 | Input Vol | tage | | DC3.8V | |
| Temperate | ure | 24 | 4 deg. C, | | Humidity | | 56% RH | |
| Channel | | el Frequency (MHz) | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | | num Limit MHz) | Pass/ Fail |
| 26dB Bar | ndwidth | | | | | | | |
| 151 | | 5755 | mcs0 | 43 | .65 | | | Pass |
| 159 | | 5795 | mcs0 | 43.53 | | | | Pass |
| | | | | | | | | |
| 6dB Band | dwidth | | | | | | | |
| 151 | | 5755 | mcs0 | 36 | .31 | 0.5 | | Pass |
| 159 | | 5795 | mcs0 | 36 | .31 | 0.5 | | Pass |
| | | | | | | | | |
| 99% Ban | dwidth | | | | | | | |
| 151 | 151 5755 | | | 37.39 | | | | Pass |
| 159 | 159 5795 | | | 37.39 | | | | Pass |

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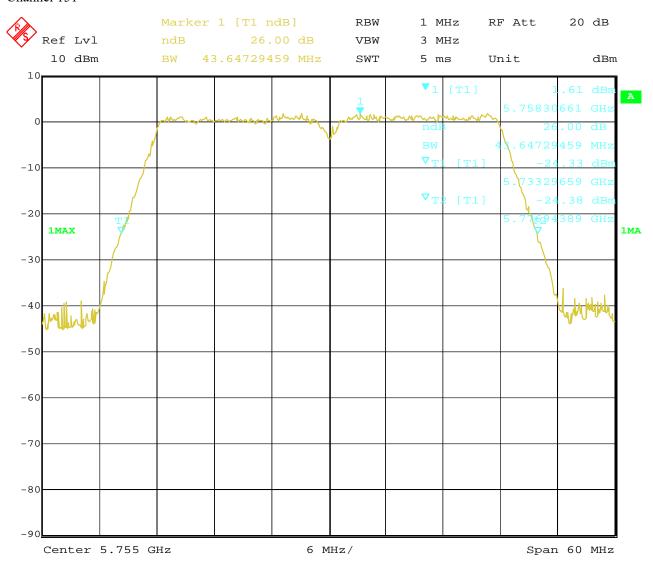
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 151



18.AUG.2021 14:31:45 Date:

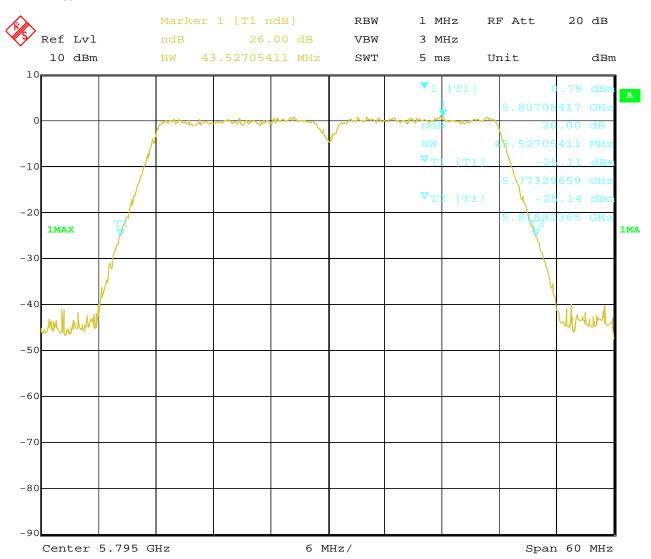
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Channel 159



Date: 18.AUG.2021 14:27:58

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Report No.: TW2106177-04E

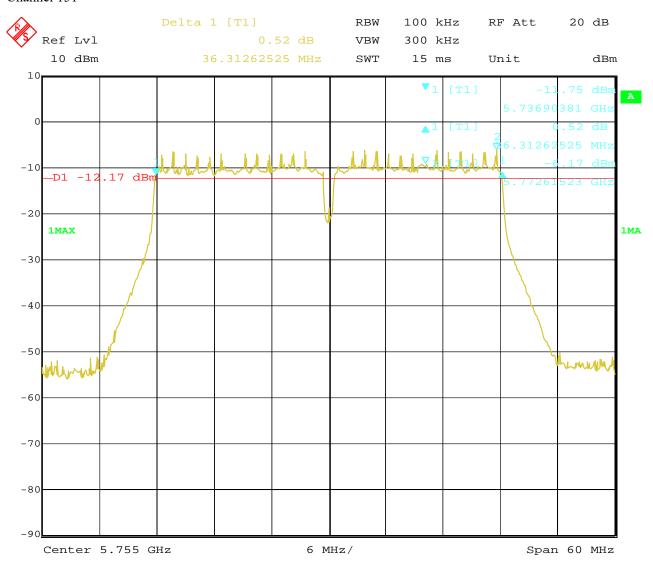
Date: 2021-08-19



Test Configure

6dB Bandwidth

Channel 151



18.AUG.2021 14:31:13 Date:

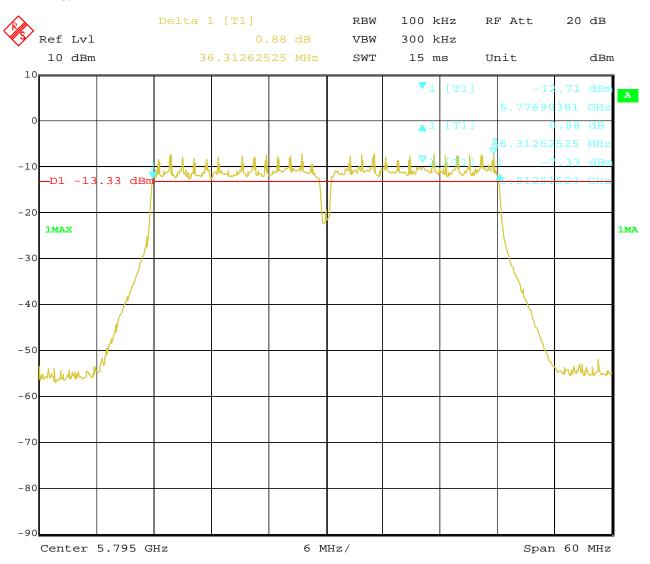
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Channel 159



Date: 18.AUG.2021 14:27:36

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Report No.: TW2106177-04E

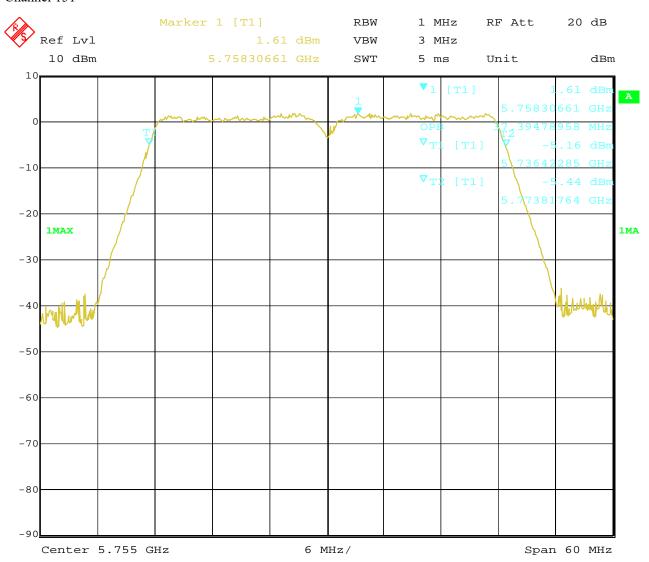
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 151



18.AUG.2021 14:31:55 Date:

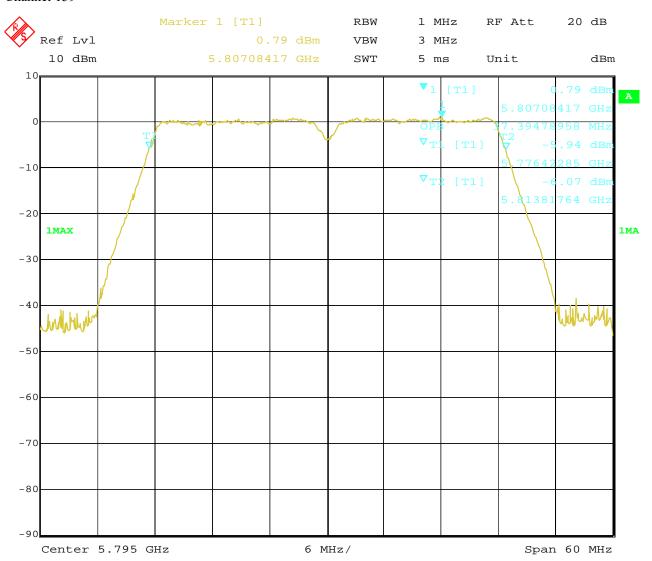
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Date: 2021-08-19



Channel 159



Date: 18.AUG.2021 14:28:11

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Date: 2021-08-19



| EUT | | VF | R Headset | | Model | | C | VR-255-64 | |
|-----------|--------------------|-------|---------------------------|-----------------|----------|------------------------|---|------------|--|
| Mode | | 802.1 | Input Voltage | | DC3.8V | | | | |
| Temperati | ure | 24 | 4 deg. C, | | Humidity | | | 56% RH | |
| Channel | Channel Channel (M | | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | |
| 26dB Bar | ndwidth | | | | | | | | |
| 42 | | 5210 | mcs0 | mcs0 85. | | | | Pass | |
| | | | | | | | | | |
| 99% Ban | 99% Bandwidth | | | | | | | | |
| 42 5210 | | 5210 | mcs0 | 76 | .47 | | | Pass | |

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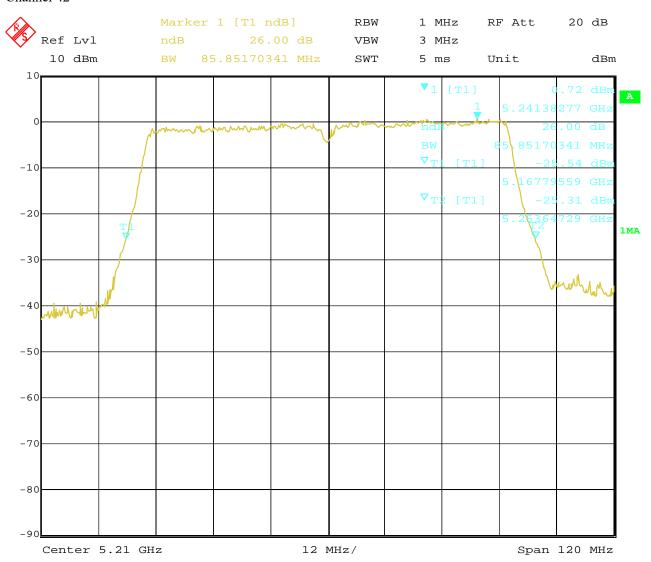
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 42



18.AUG.2021 09:32:59 Date:

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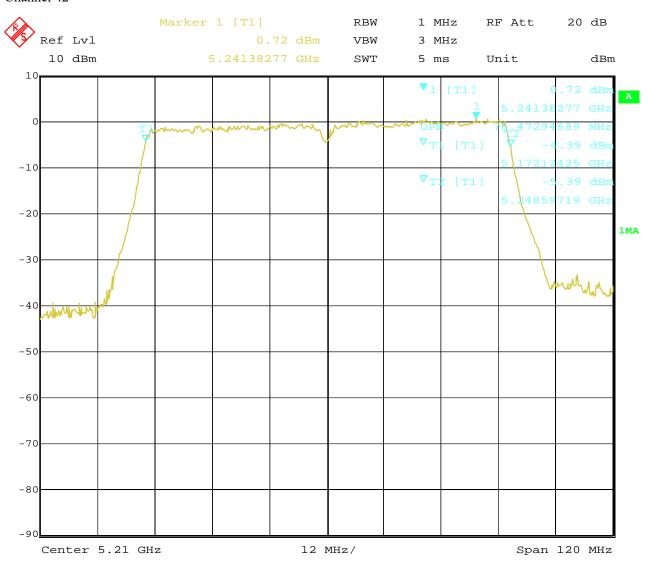
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 42



18.AUG.2021 09:33:11 Date:

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Date: 2021-08-19



| EUT | | VF | R Headset | | Model | | C | VR-255-64 | |
|----------|---------|-----------------------|---------------------------|--------------------|-----------|------------------------|---|------------|--|
| Mode | | 802.1 | 1ac VHT80 |) | Input Vol | Input Voltage | | DC3.8V | |
| Temperat | ure | 24 | 4 deg. C, | | Humidity | | | 56% RH | |
| Channel | | el Frequency (MHz) | Data Transfer Rate (Mbps) | Bandwidth (MHz) | | Minimum Limit (MHz) | | Pass/ Fail | |
| 26dB Bar | ndwidth | | | | | | | | |
| 155 | | 5775 | mcs0 | 85.85 | | | | Pass | |
| | | | | | | | | | |
| 6dB Ban | dwidth | | | | | | | | |
| 155 | | 5775 | mcs0 | 76 | .47 | 0.5 | | Pass | |
| | | | | | | | | | |
| 99% Ban | dwidth | | | | | | | | |
| 155 | | 5775 | mcs0 | 76.47 | | | | Pass | |

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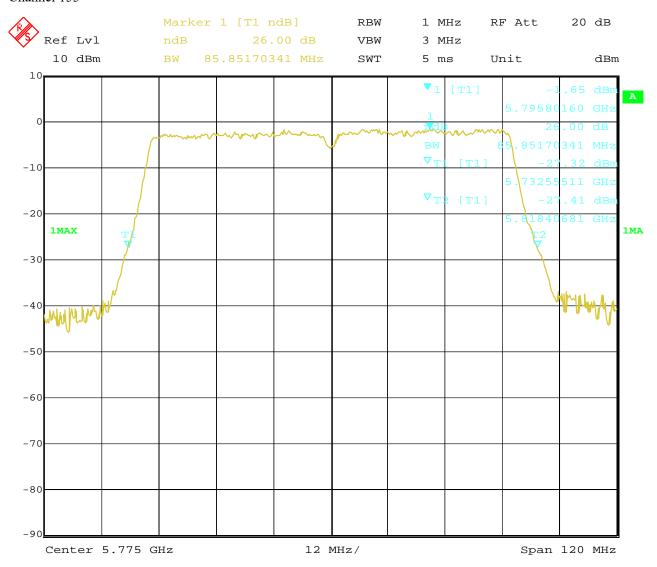
Date: 2021-08-19



Test Configure

26dB Bandwidth

Channel 155



18.AUG.2021 14:36:11 Date:

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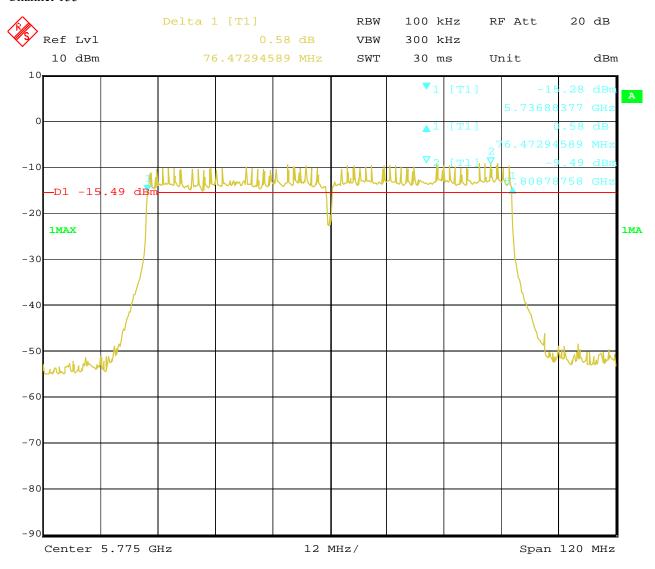
Report No.: TW2106177-04E

Date: 2021-08-19



6dB Bandwidth

Channel 155



Date: 18.AUG.2021 14:35:42

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Report No.: TW2106177-04E

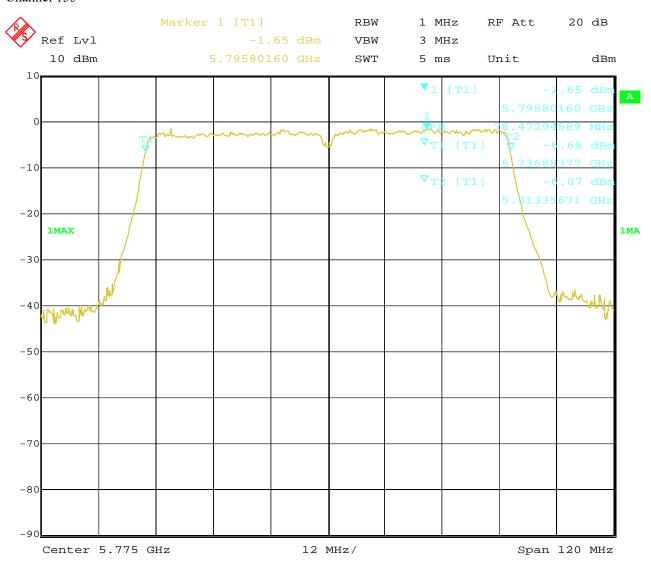
Date: 2021-08-19



Test Configure

99% Bandwidth

Channel 155



18.AUG.2021 14:36:23 Date:

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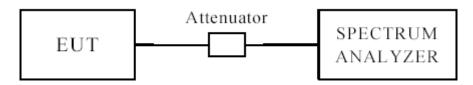
Report No.: TW2106177-04E

Date: 2021-08-19



8.0 Peak Transmit Power Measurement

8.1 Test Setup



8.2 Limits of Peak Transmit Power Measurement

| For client devices in the 5.15-5.25 GHz band | 250mW (24 dBm) |
|--|----------------|
| For devices in the 5.725-5.85 GHz band | 1W (30 dBm) |

8.3 Test Procedure

The average power output was measured with a Spectrum analyzer connected to the RF Antenna connector (conducted measurement) while EUT was operating in transmit mode at the appropriate centre frequency.

Note: the average power was measured

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8.4Test Results

| EU | T | | VR Headset | Model | | CVI | R-255-64 | |
|-------------|----------------|---------|-------------|--------------|--------|----------------|----------|------------|
| Mod | de | 802.11a | | Test Voltage | DC3.8V | | | |
| Temperature | | | 24 deg. C, | Humidity | | 56 | 6% RH | |
| Channel | Freque (MH: | - | J1501 Power | J1503 Pov | ver | Total Power | Limit | Pass/ Fail |
| | (1711) | dBm | | dBm | | (dBm) | (dBm) | |
| 36 | 5180 | 0 | 5.88 | 4.57 | | 8.28 | 24 | Pass |
| 40 | 5200 |) | 5.66 | 5.05 | | 8.38 | 24 | Pass |
| 48 | 5240 | 0 | 5.64 | 4.61 | | 8.17 | 24 | Pass |
| 149 | 574: | 5 | 6.56 | 4.88 | | 8.81 | 30 | Pass |
| 153 | 576 | 5 | 6.51 | 4.68 | | 8.70 | 30 | Pass |
| 165 | 582: | 5 | 6.33 | 4.79 | | 8.64 | 30 | Pass |

Note: 1. At finial test to get the worst-case emission at 6Mbps for CH36, CH40, CH48, CH149, CH153 and CH165

2. The result basic equation calculation as follow: Average Power Output = AV Power Reading + Cable loss + Attenuator

3. The worse case was recorded

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| EU | T | | VR Headset | Model | | CVI | R-255-64 | |
|---------|-------------|--------------|-------------|--------------|--------|-------------|----------|------------|
| Mod | de | 802.11n HT20 | | Test Voltage | DC3.8V | | | |
| Temper | Temperature | | 24 deg. C, | Humidity | | 56 | 5% RH | |
| Channel | Freque | - | J1501 Power | J1503 Pov | ver | Total | Limit | Pass/ Fail |
| | (MHz | dBm | | dBm | | Power (dBm) | (dBm) | |
| 36 | 5180 |) | 5.56 | 5.44 | | 8.51 | 24 | Pass |
| 40 | 5200 |) | 5.70 | 5.01 | | 8.38 | 24 | Pass |
| 48 | 5240 |) | 5.77 | 5.19 | | 8.50 | 24 | Pass |
| 149 | 5745 | 5 | 5.94 | 3.86 | | 8.03 | 30 | Pass |
| 153 | 5765 | 5 | 5.75 | 3.91 | | 7.94 | 30 | Pass |
| 165 | 5825 | 5 | 5.79 | 3.81 | | 7.92 | 30 | Pass |

Note: 1. At finial test to get the worst-case emission at mcs0 for CH36, CH40, CH48, CH149, CH153 and CH165

- 2. The result basic equation calculation as follow: Average Power Output = AV Power Reading + Cable loss + Attenuator
- 3. The worse case was recorded

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| EU | Т | VR Headset | | Model | | CVR-255-64 | | | |
|---------|--------|--------------|---------------|--------------|--------|----------------|-------|------------|--|
| Mode | | 802.11n HT40 | | Test Voltage | DC3.8V | | | | |
| Temper | ature | | 24 deg. C, | Humidity | | 56 | 5% RH | | |
| Channel | Freque | • | Chain 0 Power | Chain 1 Po | wer | Total Power | Limit | Pass/ Fail | |
| | (MHz | | dBm | dBm | | (dBm) | (dBm) | | |
| 38 | 5190 | 0 | 4.47 | 4.48 | | 7.49 | 24 | Pass | |
| 46 | 5230 |) | 4.39 | 4.91 | | 7.67 | 24 | Pass | |
| 151 | 5755 | | 5.81 | 4.24 | | 8.11 | 30 | Pass | |
| 159 | 579: | 5 | 5.66 | 4.11 | | 7.96 | 30 | Pass | |

Note: 1. At finial test to get the worst-case emission at mcs0 for CH38, CH46, CH151, CH159 and CH165

2. The result basic equation calculation as follow:

Average Power Output = AV Power Reading + Cable loss + Attenuator

3. The worse case was recorded

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| EU | Т | | VR Headset | Model | | CVI | R-255-64 | |
|---------|-------------|----------------|-------------|--------------|--------|-------------|----------|------------|
| Mod | de | 802.11ac VHT20 | | Test Voltage | DC3.8V | | | |
| Temper | Temperature | | 24 deg. C, | Humidity | | 56 | 5% RH | |
| Channel | Freque | - | J1501 Power | J1503 Pov | ver | Total | Limit | Pass/ Fail |
| | (MHz | dBm | | dBm | | Power (dBm) | (dBm) | |
| 36 | 5180 |) | 5.58 | 5.47 | | 8.54 | 24 | Pass |
| 40 | 5200 |) | 5.73 | 5.03 | | 8.40 | 24 | Pass |
| 48 | 5240 |) | 5.79 | 5.22 | | 8.52 | 24 | Pass |
| 149 | 5745 | 5 | 5.97 | 3.88 | | 8.06 | 30 | Pass |
| 153 | 5765 | 5 | 5.77 | 3.94 | | 7.96 | 30 | Pass |
| 165 | 5825 | 5 | 5.82 | 3.83 | | 7.95 | 30 | Pass |

Note: 1. At finial test to get the worst-case emission at mcs0 for CH36, CH40, CH48, CH149, CH153 and CH165

- 2. The result basic equation calculation as follow: Average Power Output = AV Power Reading + Cable loss + Attenuator
- 3. The worse case was recorded

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| EU | T | | VR Headset | Model | CVR-255-64 | | | |
|---------|----------------|---|----------------|--------------|------------|----------------|-------|------------|
| Mod | Mode | | 802.11ac VHT40 | Test Voltage | DC3.8V | | | |
| Temper | rature | | 24 deg. C, | Humidity | | 56 | 6% RH | |
| Channel | Freque | • | Chain 0 Power | Chain 1 Po | wer | Total Power | Limit | Pass/ Fail |
| | (MHz) | | dBm | dBm | | (dBm) | (dBm) | |
| 38 | 5190 | 0 | 4.49 | 4.51 | | 7.51 | 24 | Pass |
| 46 | 5230 | 0 | 4.42 | 4.93 | | 7.69 | 24 | Pass |
| 151 | 5755 5.83 4.27 | | 4.27 | | 8.13 | 30 | Pass | |
| 159 | 579: | 5 | 5.69 | 4.13 | | 7.99 | 30 | Pass |

Note: 1. At finial test to get the worst-case emission at mcs0 for CH38, CH46, CH151, CH159 and CH165

2. The result basic equation calculation as follow:

Average Power Output = AV Power Reading + Cable loss + Attenuator

3. The worse case was recorded

| EU | T | | VR Headset | Model | Model | | CVR-255-64 | | |
|---------|-------------|----|----------------|--------------|---------------------|----------------|------------|------------|--|
| Mod | Mode | | 802.11ac VHT80 | Test Voltage | Test Voltage DC3.8V | | | | |
| Temper | Temperature | | 24 deg. C, | Humidity | | 56 | 6% RH | | |
| Channel | Frequency | | Chain 0 Power | Chain 1 Po | wer | Total Power | Limit | Pass/ Fail | |
| | (MH: | Z) | dBm | dBm | | (dBm) | (dBm) | | |
| 42 | 5210 | | 5.58 | 4.86 | | 8.25 | 24 | Pass | |
| 155 | 5775 | | 4.74 | 3.13 | | 7.02 | 30 | Pass | |

Note: 1. At finial test to get the worst-case emission at mcs0 s for CH42 and CH155

2. The result basic equation calculation as follow:

Average Power Output = AV Power Reading + Cable loss + Attenuator

3. The worse case was recorded

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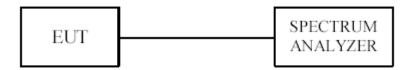
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9. Power Spectral Density Measurement

9.1 Test Setup



9.2 Limits of Power Spectral Density Measurement

| Operation Band | Limit |
|----------------|--------------|
| U-NII-1 | 11dBm/MHz |
| U-NII-3 | 30dBm/500kHz |

9.3 Test Procedure

- 1. The EUT was directly connected to the spectrum analyzer
- 2. Set the RBW = 1MHz.
- 3. Set the VBW = 3MHz.
- 4. Set the span to encompass the entire emissions bandwidth (EBW) of the signal
- 5. Detector = RMS
- 6. Sweep time = auto couple.
- 7. Trace mode = max hold.
- 8. Allow trace to fully stabilize.
- 9. Use the peak marker function to determine the maximum amplitude level.

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9.4Test Result

| EUT | | | VR Headset | Mod | lel | | CVR-255-64 | | |
|----------|--------------------|---|------------------------------------|--------|-------|------------------------------|----------------|------------|--|
| Mode | Mode | | 802.11a 6Mbps | | ltage | | DC3.8V | | |
| Temperat | ture | | 24 deg. C, | Humi | dity | | 56% RH | | |
| Channel | Frequence (MHz) | у | Power Spectral Density(dBm/MHz) | Factor | _ | pectral Density Bm/MHz) | Limit (dBm) | Pass/ Fail | |
| 36 | 5180 | | 0.27 | 3.01 | | 3.28 | 11 | Pass | |
| 40 | 5200 | | -0.41 | 3.01 | | 2.60 | | Pass | |
| 48 | 5240 | | -0.75 | 3.01 | | 2.26 | 11 | Pass | |
| Channel | Frequence (MHz) | y | Power Spectral Density(dBm/500kHz) | Factor | _ | pectral Density m/500kHz) | Limit (dBm) | Pass/ Fail | |
| 149 | 5745 | | -3.65 | 3.01 | -0.64 | | 30 | Pass | |
| 153 | 5765 | | -4.03 | 3.01 | -1.02 | | 30 | Pass | |
| 165 | 5825 | | -4.86 | 3.01 | | -1.85 | 30 | Pass | |

Note: Two antennas were tested and only the worst cased was recorded in the test report. J1501 was the worst case.

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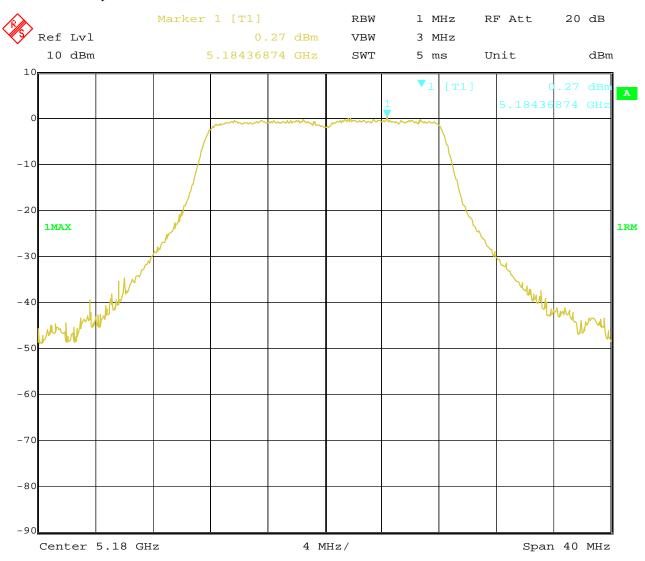
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9.5 Plots of Power Spectral Density Measurement

1.802.11a at 6Mbps of CH36



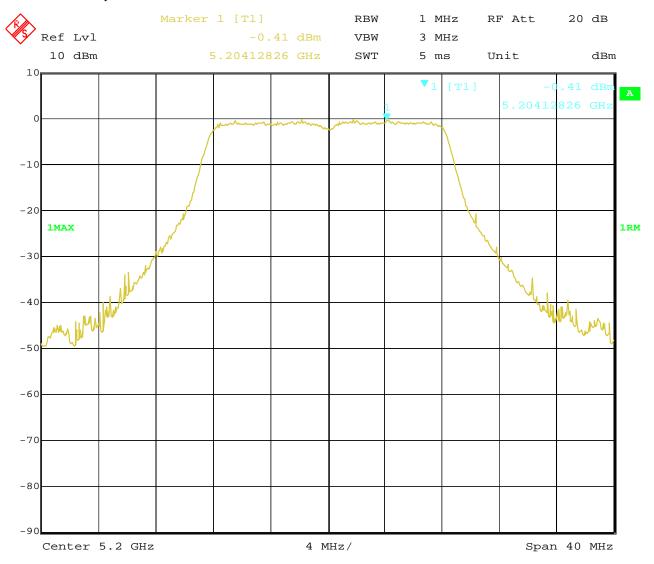
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2.802.11a at 6Mbps of CH40



16.AUG.2021 17:21:43 Date:

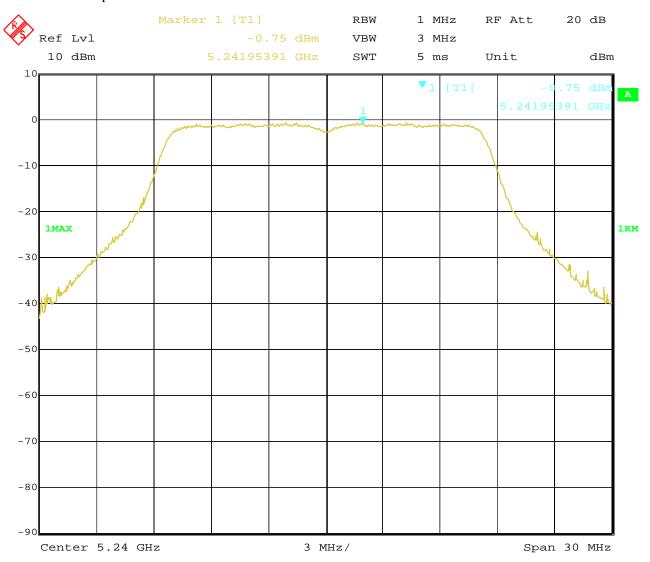
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3.802.11a at 6Mbps of CH48



Date: 16.AUG.2021 17:30:41

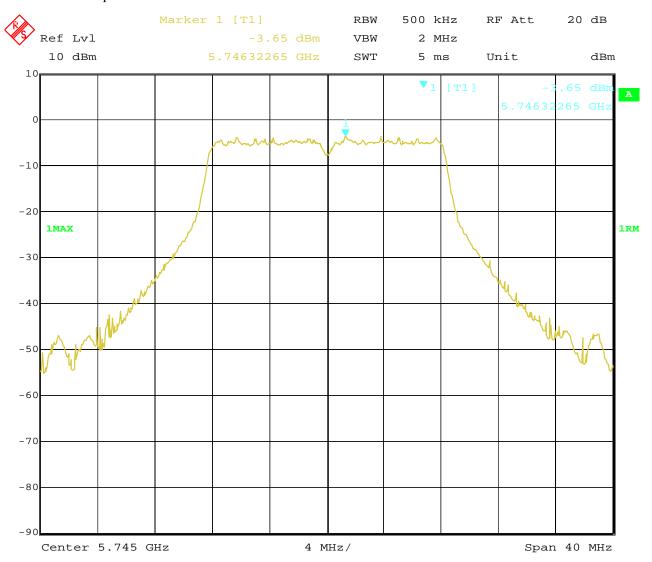
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4.802.11a at 6Mbps of CH149



Date: 18.AUG.2021 10:00:21

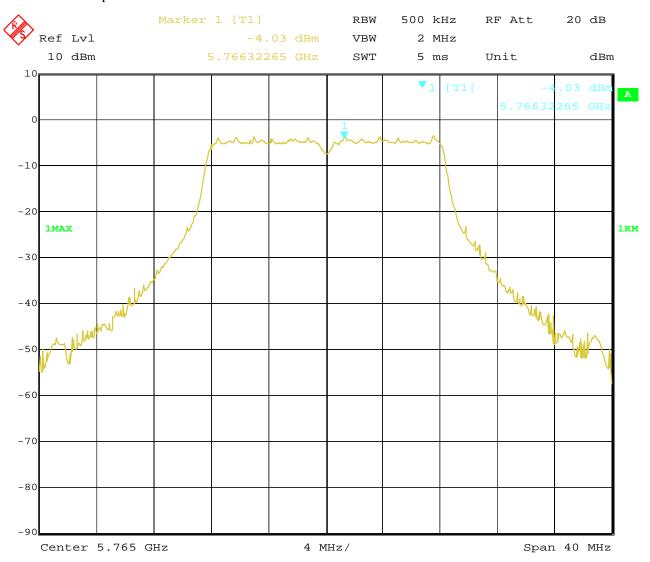
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5.802.11a at 6Mbps of CH153



Date: 18.AUG.2021 10:12:46

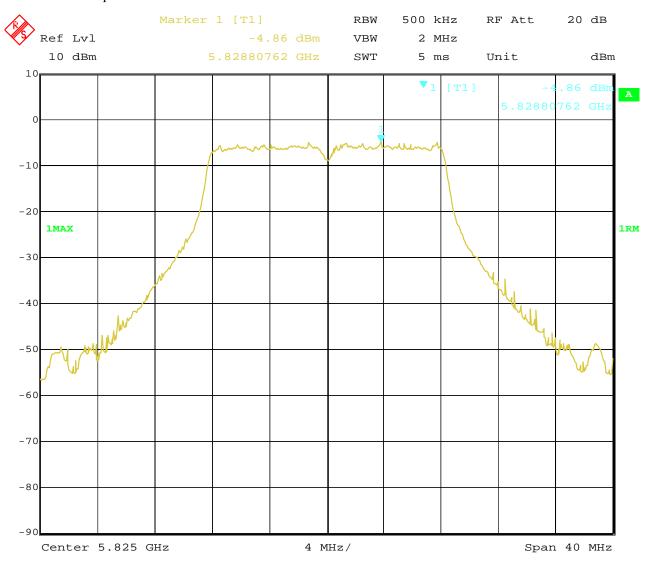
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6.802.11a at 6Mbps of CH165



Date: 18.AUG.2021 10:25:45

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Date: 2021-08-19



| EUT | | VR Headset | | Model | | CVR-255-64 | | |
|-------------|-----------------|------------|------------------------------------|--------------|-------------------------------------|------------|-----------------------|------------|
| Mode | ; | 8 | 02.11n HT20 mcs0 | Test Voltage | | DC3.8V | | |
| Temperature | | 24 deg. C, | | Humidity | | 56% RH | | |
| Channel | Frequency (MHz) | | Power Spectral Density(dBm/MHz) | Factor | Total Spectral Density (dBm/MHz) | | Limit (dBm/MHz) | Pass/ Fail |
| 36 | 5180 | | -0.84 | 3.01 | 2.17 | | 11 | Pass |
| 40 | 5200 | | -1.20 | 3.01 | 1.81 | | 11 | Pass |
| 48 | 5240 | | -1.65 | 3.01 | 1.36 | | 11 | Pass |
| Channel | Frequency (MHz) | | Power Spectral Density(dBm/500kHz) | Factor | Total Spectral Density (dBm/500kHz) | | Limit (dBm/500kHz) | Pass/ Fail |
| 149 | 5745 | | -2.96 | 3.01 | 0.05 | | 30 | Pass |
| 153 | 5765 | | -3.70 | 3.01 | -0.69 | | 30 | Pass |
| 165 | 5825 | | -4.75 | 3.01 | -1.74 | | 30 | Pass |

Note: Two antennas were tested and only the worst cased was recorded in the test report. J1501 was the worst case.

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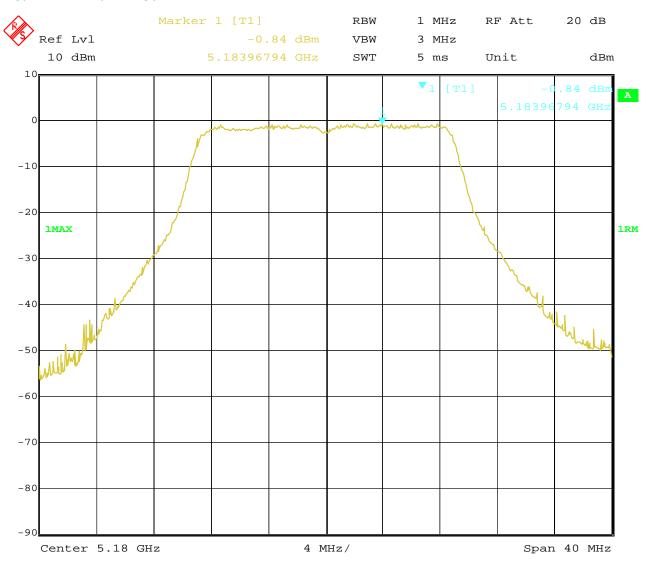
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Test Plots

1.802.11n at mcs0 of CH36



17.AUG.2021 10:33:45 Date:

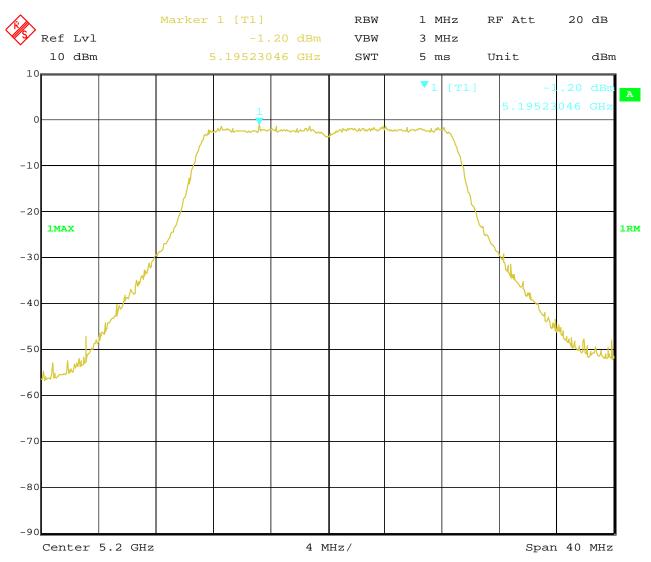
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2.802.11n at mcs0 of CH40



17.AUG.2021 10:41:58 Date:

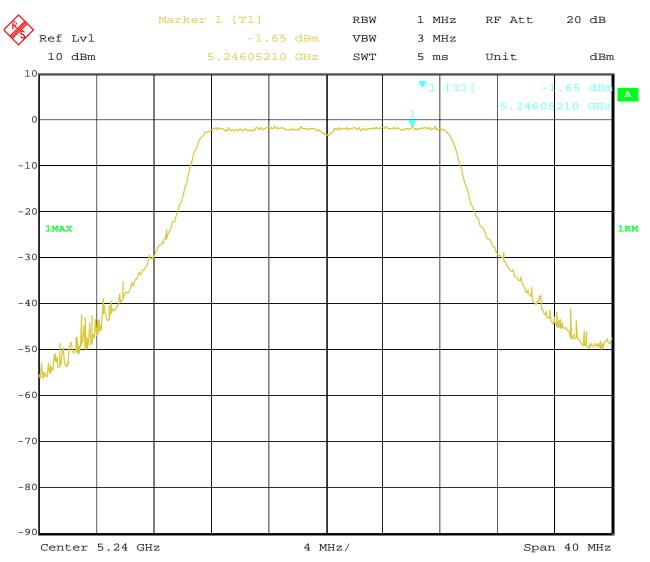
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3.802.11n at mcs0 of CH48



Date: 17.AUG.2021 13:21:29

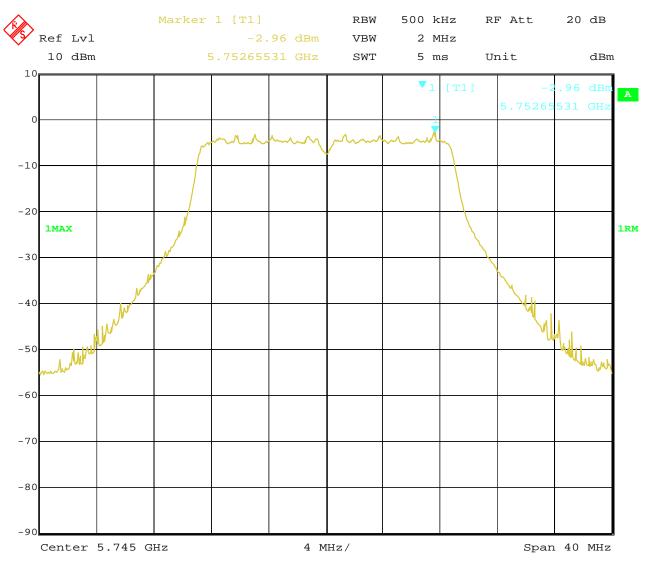
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4.802.11n at mcs0 of CH149



Date: 18.AUG.2021 13:15:25

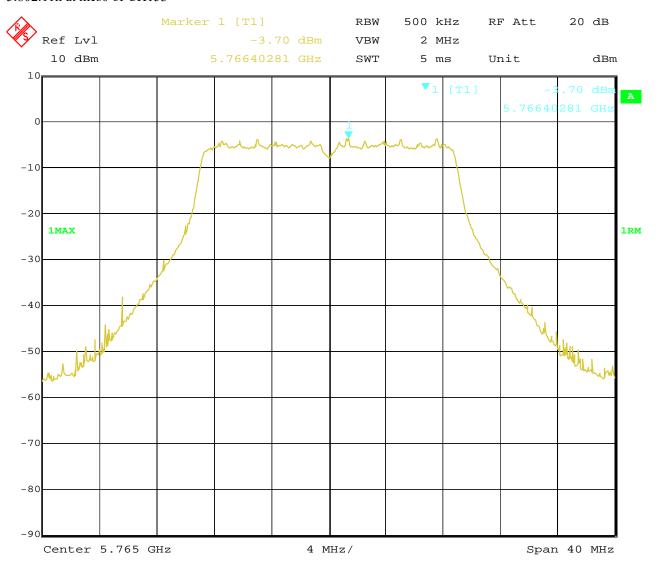
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5.802.11n at mcs0 of CH153



Date: 18.AUG.2021 13:02:00

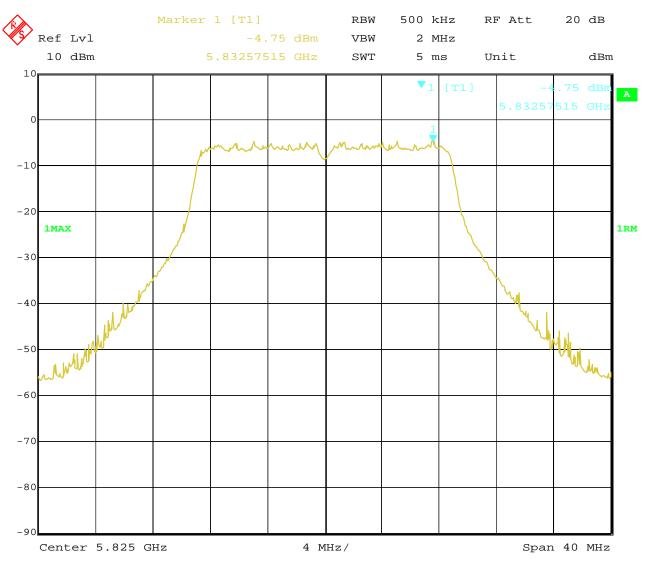
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6.802.11n at mcs0 of CH165



Date: 18.AUG.2021 11:04:14

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| EUT | | VR Headset | | Model | | CVR-255-64 | | |
|-------------|-----------|-------------------|---------------------|--------------|----------------|------------|--------------|-------|
| Mode | | 802.11n HT40 mcs0 | | Test Voltage | | DC3.8V | | |
| Temperature | | 24 deg. C, | | Humi | dity | 56% RH | | |
| Channel | Frequency | | Power Spectral | Factor | Total Spectral | | Limit | Pass/ |
| | (MHz) | | Density(dBm/MHz) | | Density | | (dBm/MHz) | Fail |
| | | | | | (dBm/MHz) | | | |
| 38 | 51 | 90 | -4.01 | 3.01 | | -1.00 | 11 | Pass |
| 46 | 5230 | | -4.51 | 3.01 | -1.50 | | 11 | Pass |
| Channel | Frequency | | Power Spectral | Factor | Total Spectral | | Limit | Pass/ |
| | (MHz) | | Density(dBm/500kHz) | | Density | | (dBm/500kHz) | Fail |
| | | | | | (dBm/500kHz) | | | |
| 151 | 57 | 55 | -6.07 | 3.01 | -3.06 | | 30 | Pass |
| 159 | 57 | 95 | -7.30 | 3.01 | -4.29 | | 30 | Pass |

Note: Two antennas were tested and only the worst cased was recorded in the test report.

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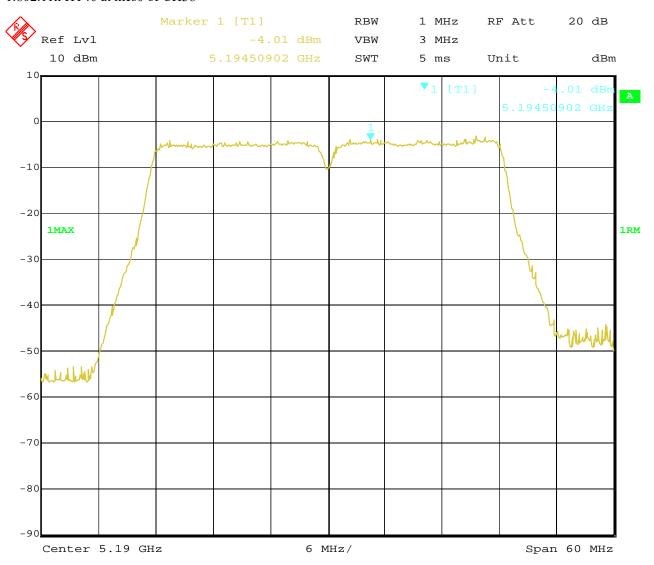
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Test Plots

1.802.11n HT40 at mcs0 of CH38



Date: 17.AUG.2021 13:58:13

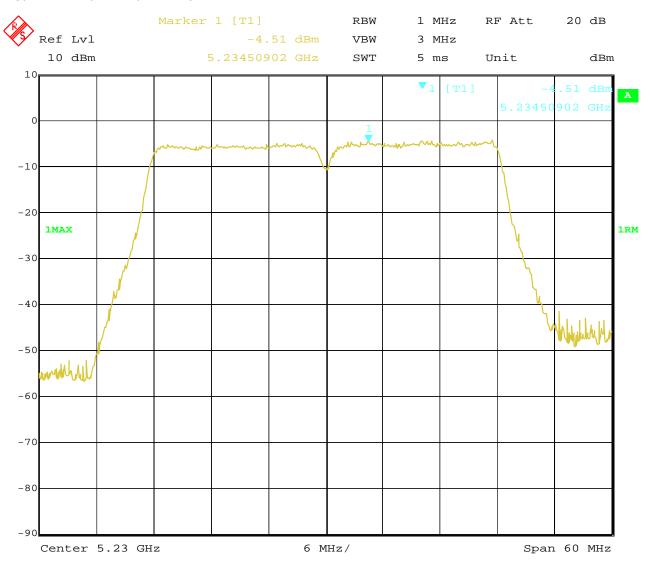
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2.802.11n HT40 at mcs0 of CH46



Date: 17.AUG.2021 14:07:31

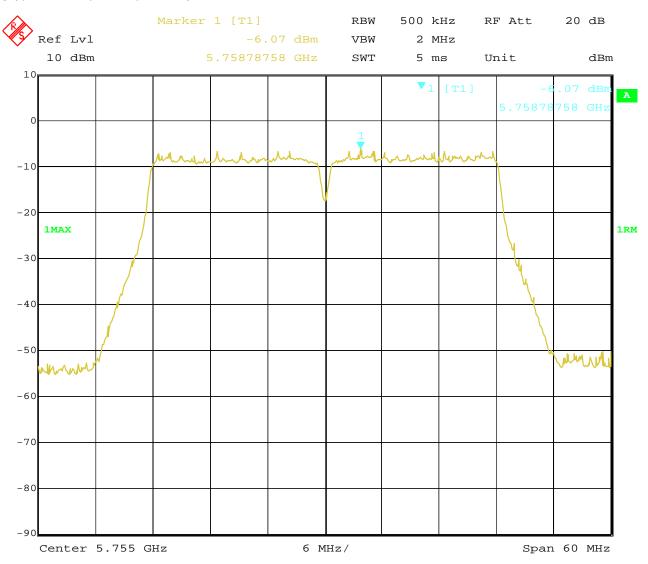
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Date: 2021-08-19



3.802.11n HT40 at mcs0 of CH151



Date: 18.AUG.2021 14:07:43

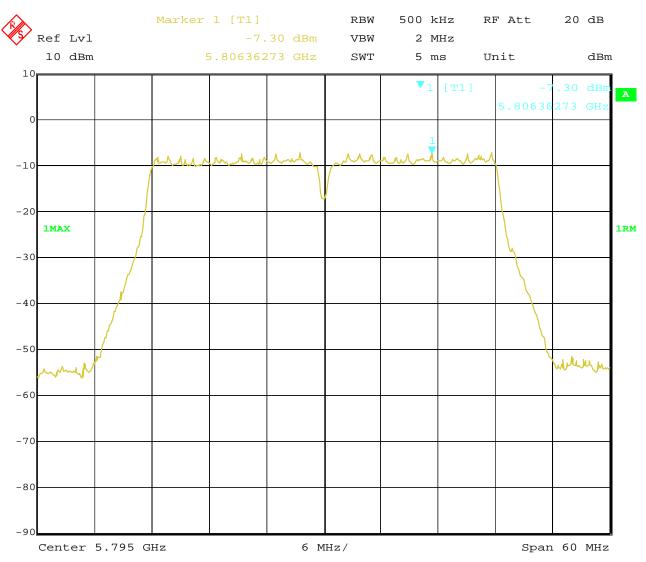
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4.802.11n HT40 at mcs0 of CH159



Date: 18.AUG.2021 14:22:10

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Date: 2021-08-19



| EUT | | VR Headset | Mo | Model | | CVR-255-64 | | |
|----------|------------------|----------------|---------------|----------------------------------|------------------------------|-----------------------|------------|--|
| Mode | | 802.11ac VHT20 | Test V | Test Voltage | | DC3.8V | | |
| Temperat | ture | 24 deg. C, | | Humidity | | 56% RH | | |
| Channel | Frequen (MHz) | • | Factor (2) | Total Spectral Density (dBm/MHz) | | Limit (dBm/MHz) | Pass/ Fail | |
| 36 | 5180 | -1.13 | 3.01 | 1 | .88 | 11 | Pass | |
| 40 | 5200 | -0.57 | 3.01 | 2 | .44 | 11 | Pass | |
| 48 | 5240 | -1.63 | 3.01 | 1 | .38 | 11 | Pass | |
| Channel | Frequen (MHz) | • | Factor Hz) | De | Spectral nsity 500kHz) | Limit (dBm/500kHz) | Pass/ Fail | |
| 149 | 5745 | -3.29 | 3.01 | -0 | 0.28 | 30 | Pass | |
| 153 | 5765 | -3.55 | 3.01 | -0 |).54 | 30 | Pass | |
| 165 | 5825 | -5.36 | 3.01 | -2 | 2.35 | 30 | Pass | |

Note: Two antennas were tested and only the worst cased was recorded in the test report. J1501 was the worst case.

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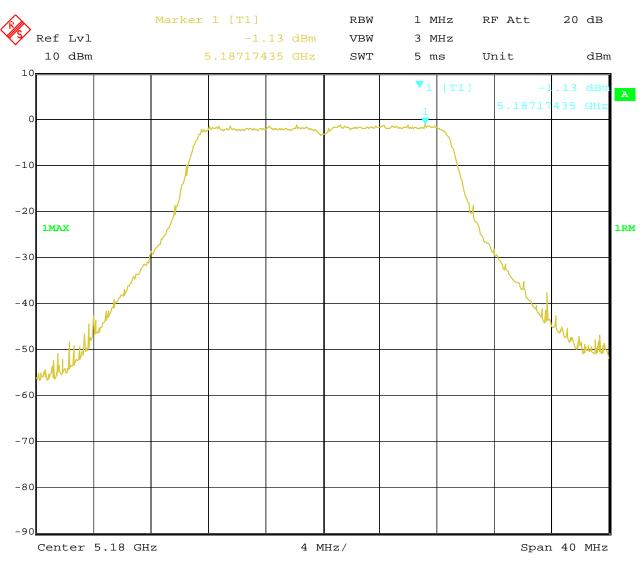
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Test Plots

1.802.11ac at mcs0 of CH36



17.AUG.2021 13:42:26 Date:

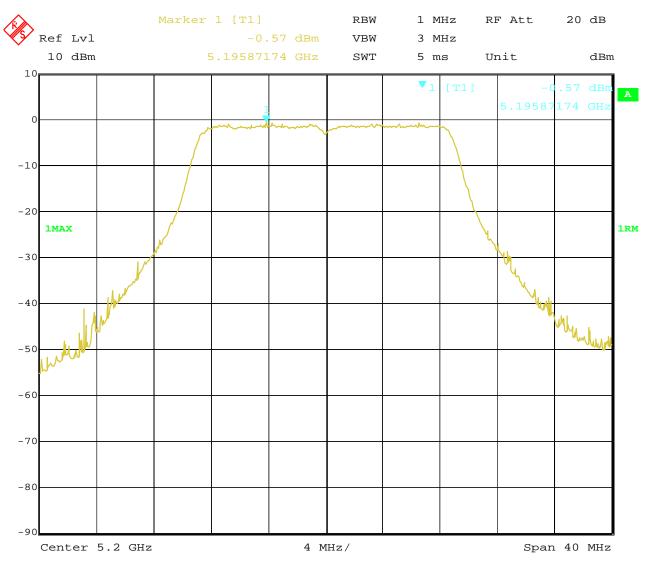
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2.802.11ac at mcs0 of CH40



17.AUG.2021 13:45:14 Date:

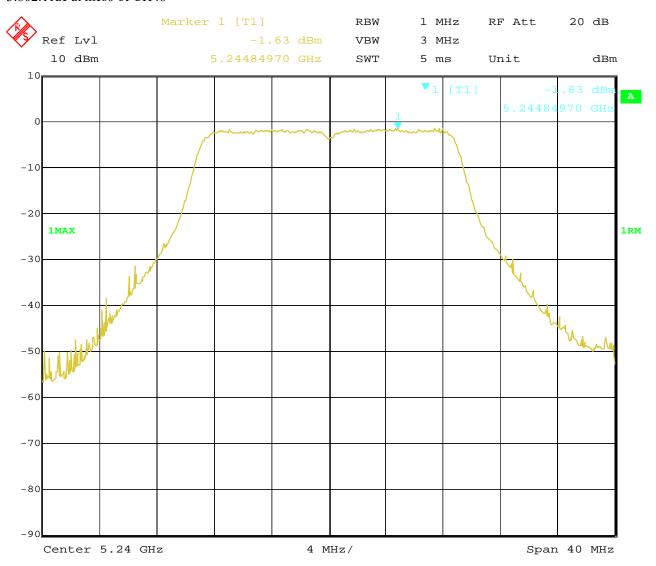
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Date: 2021-08-19



3.802.11ac at mcs0 of CH48



Date: 17.AUG.2021 13:51:52

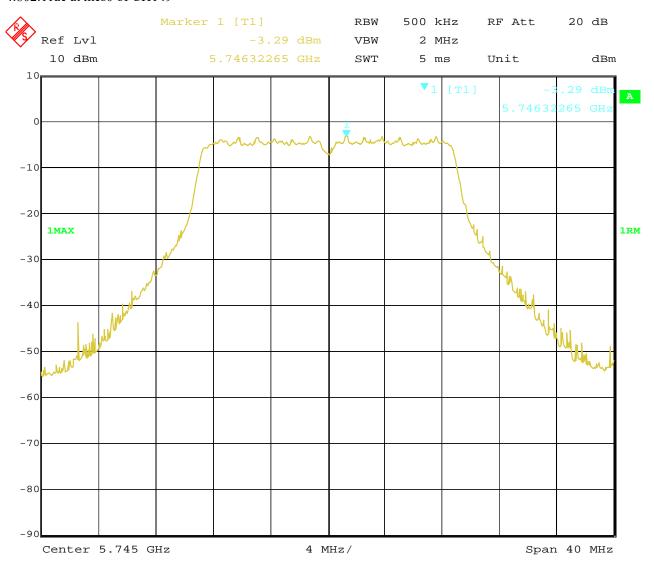
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Date: 2021-08-19



4.802.11ac at mcs0 of CH149



Date: 18.AUG.2021 13:34:40

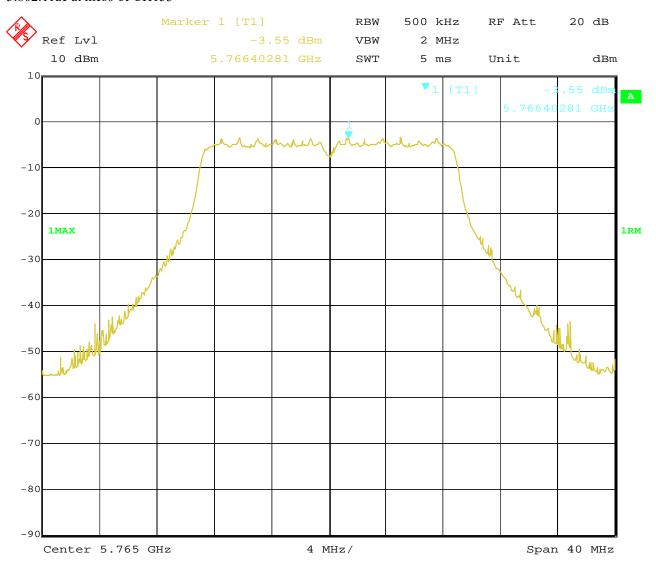
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Date: 2021-08-19



5.802.11ac at mcs0 of CH153



Date: 18.AUG.2021 13:48:05

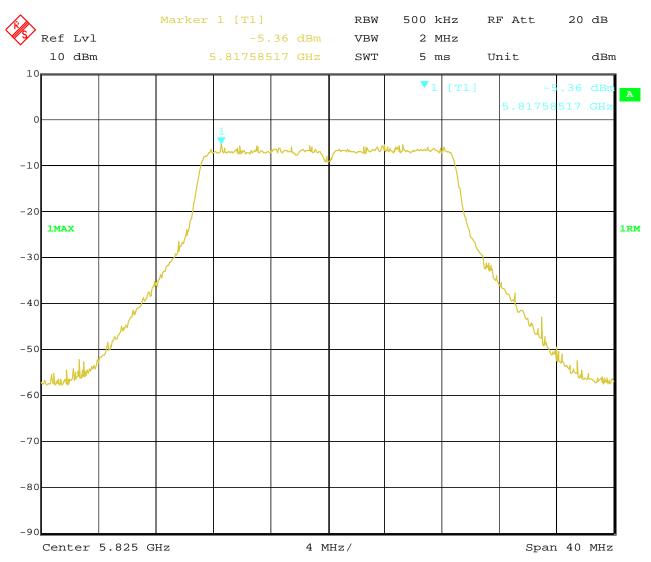
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Date: 2021-08-19



6.802.11ac at mcs0 of CH165



Date: 18.AUG.2021 14:01:09

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Date: 2021-08-19



| EUT | | VR Headset | | Model | | CVR-255-64 | | | |
|-------------|-----------|----------------|---------------------|---------|----------------|------------|--------------|------------|--|
| Mode | | 802.11ac VHT40 | | Test Vo | Test Voltage | | DC3.8V | | |
| Temperature | | 24 deg. C, | | Humi | Humidity | | 56% RH | | |
| Channel | Frequency | | Power Spectral | Factor | Total Spectral | | Limit | Pass/ Fail | |
| | (MI | Hz) | Density(dBm/MHz) | | Density | | (dBm/MHz) | | |
| | | | | | (dBm/MHz) | | | | |
| 38 | 519 | 90 | -3.95 | 3.01 | -0.94 | | 11 | Pass | |
| 46 | 52. | 30 | -4.29 | 3.01 | -1.28 | | 11 | Pass | |
| Channel | Frequ | iency | Power Spectral | Factor | Total | Spectral | Limit | Pass/ Fail | |
| | (MHz) | | Density(dBm/500kHz) | | Density | | (dBm/500kHz) | | |
| | | | | | (dBm/500kHz) | | | | |
| 151 | 57: | 55 | -7.01 | 3.01 | -4.00 | | 30 | Pass | |
| 159 | 579 | 95 | -7.75 | 3.01 | -4.74 | | 30 | Pass | |

Note: Two antennas were tested and only the worst cased was recorded in the test report.

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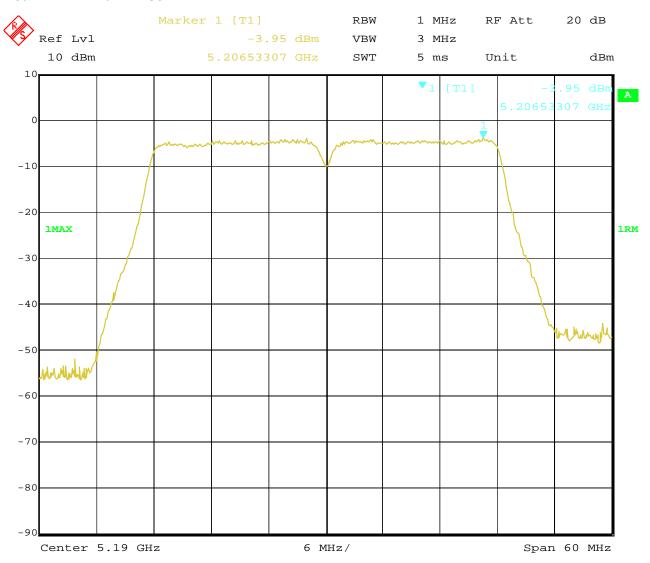
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Test Plots

1.802.11ac at mcs0 of CH38



Date: 17.AUG.2021 14:18:19

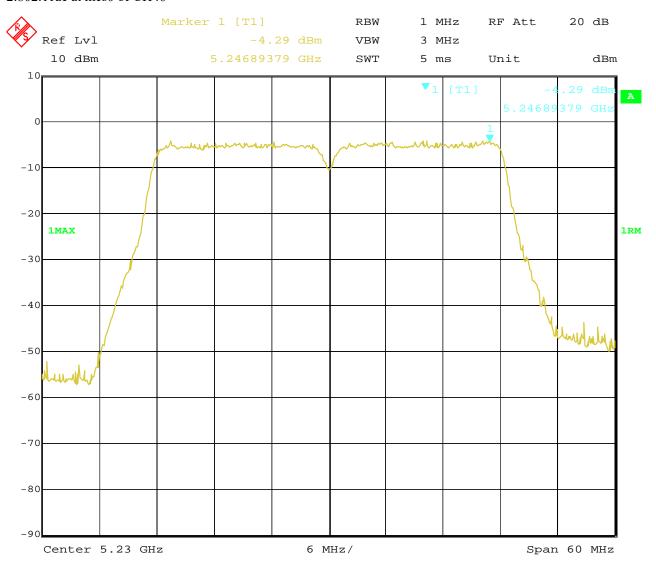
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Date: 2021-08-19



2.802.11ac at mcs0 of CH46



Date: 17.AUG.2021 14:13:18

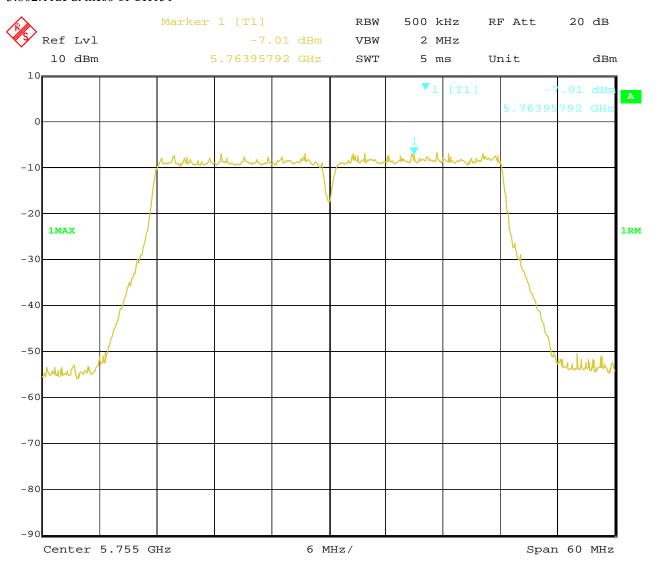
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3.802.11ac at mcs0 of CH151



Date: 18.AUG.2021 14:30:15

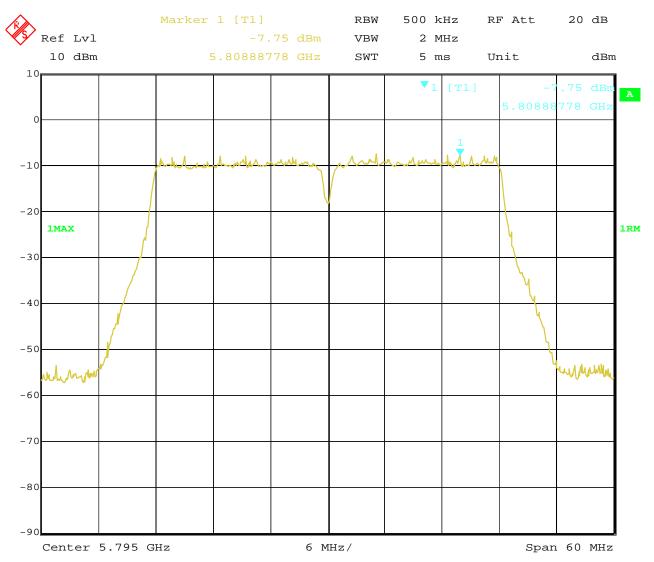
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4.802.11ac at mcs0 of CH159



Date: 18.AUG.2021 14:26:52

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Date: 2021-08-19



| EUT | | VR Headset | | Model | | CVR-255-64 | | |
|----------|-----------|-------------------------|--------|--------------|-------------|--------------|------------|--|
| Mode | 802. | 802.11ac VHT80 mcs0Mbps | | Test Voltage | | DC3.8V | | |
| Temperat | ture | 24 deg. C, | | dity | 56% RH | | | |
| Channel | Frequency | Power Spectral | Factor | Tota | al Spectral | Limit | Pass/ Fail | |
| | (MHz) | Density(dBm/MHz) | | Density | | (dBm/MHz) | | |
| | | | | (dBm/MHz) | | | | |
| 42 | 5210 | -6.83 | 3.01 | | -3.82 | 11 | Pass | |
| Channel | Frequency | Power Spectral | Factor | Tota | al Spectral | Limit | Pass/ Fail | |
| | (MHz) | Density(dBm/500kHz) | | Density | | (dBm/500kHz) | | |
| | | | | (dBı | m/500kHz) | | | |
| 155 | 5775 | -9.73 | 3.01 | | -6.72 | 30 | Pass | |

Note: Two antennas were tested and only the worst cased was recorded in the test report. J1501 was the worst case.

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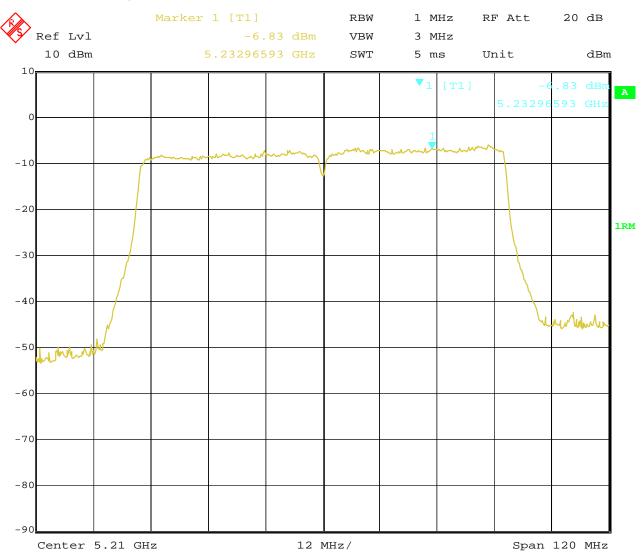
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Test Plots

1.802.11ac at mcs0Mbps of CH42



Date: 18.AUG.2021 09:28:32

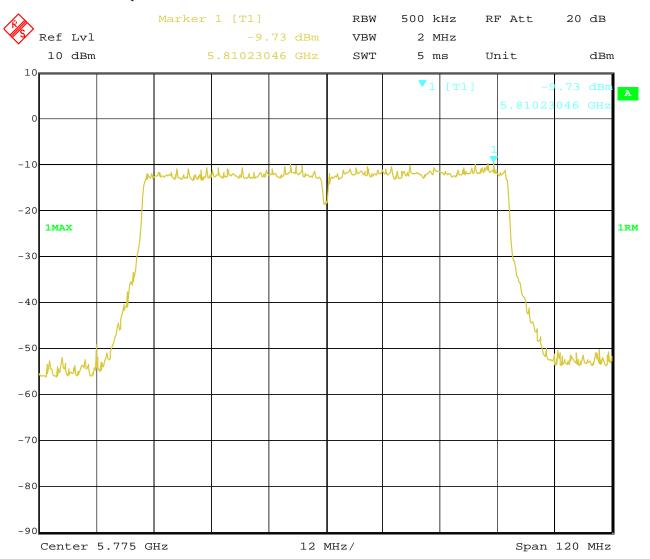
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2.802.11ac at mcs0Mbps of CH155



Date: 18.AUG.2021 14:34:28 Report No.: TW2106177-04E

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10.0 Frequency Stability

10.1 Limits of Frequency Stability Measurement

The frequency tolerance of the carrier signal shall be maintained within +/- 0.02% of the operating frequency over a temperature variation of -30 degrees to 50 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees

10.2 Test Procedure

- 1. The EUT was placed inside the environmental test chamber and powered by nominal DC voltage.
- 2. Turn the EUT on and couple its output to a spectrum analyzer.
- 3. Turn the EUT off and set the chamber to the highest temperature specified.
- 4. Allow sufficient time (approximately 30 min) for the temperature of the chamber to stabilize, turn the EUT on and measure the operating frequency after 2, 5, and 10 minutes.
- 5. Repeat step 2 and 3 with the temperature chamber set to the lowest temperature.
- 6. The test chamber was allowed to stabilize at +20 degree C for a minimum of 30 minutes. The supply voltage was then adjusted on the EUT from 85% to 115% and the frequency record.

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10.3 Test Result

Channel 36 (5180MHz)

Voltage vs. Frequency Stability

| Voltage | Measurement Frequency (MHz) |
|----------------------|-----------------------------|
| DC3.8V | 5179.9816 |
| DC4.2V | 5179.9826 |
| DC3.3V | 5179.9837 |
| Max. Deviation (MHz) | 0.0184 |
| Max. Deviation (ppm) | 3.55 |

Rated working voltage: DC3.8V

Temperature vs. Frequency Stability

| Temperature (°C) | Measurement Frequency (MHz) |
|----------------------|-----------------------------|
| -30 | 5179.9812 |
| -20 | 5179.9830 |
| -10 | 5179.9827 |
| 0 | 5179.9803 |
| 10 | 5179.9841 |
| 20 | 5179.9825 |
| 30 | 5179.9838 |
| 40 | 5179.9809 |
| 50 | 5179.9805 |
| Max. Deviation (MHz) | 0.0195 |
| Max. Deviation (ppm) | 3.76 |

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11.0 Antenna Requirement

11.1 Standard Applicable

For intentional device, according to FCC 47 CFR Section 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.

And according to FCC 47 CFR Section 15.247 (b), if transmitter antennas of directional gain greater than 6 dBi are used, the power shall be reduced by the mount in dB that the directional gain of the antenna exceeds 6 dBi.

11.2 Antenna Connected construction

Two FPC antenna used. The gain of the antennas is 2.5dBi for each one (Get from the antenna specification provided the manufacturer)

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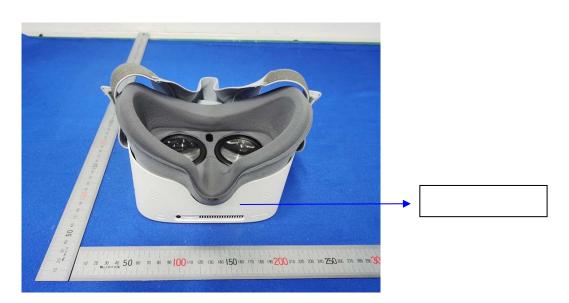
12.0 FCC Label

FCC ID: RBD-CVR-255-64

This device complies with part 15 of the FCC rules. Operation is subject to the following two conditions (1) this device may not cause harmful interference, and (2) this device must accept any interference received, including interference that may cause undesired operation.

The label must not be a stick-on paper label. The label on these products must be permanently affixed to the product and readily visible at the time of purchase and must last the expected lifetime of the equipment not be readily detachable.

Mark Location:



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13.0 **Photo of testing**

Conducted Emission Test Setup:

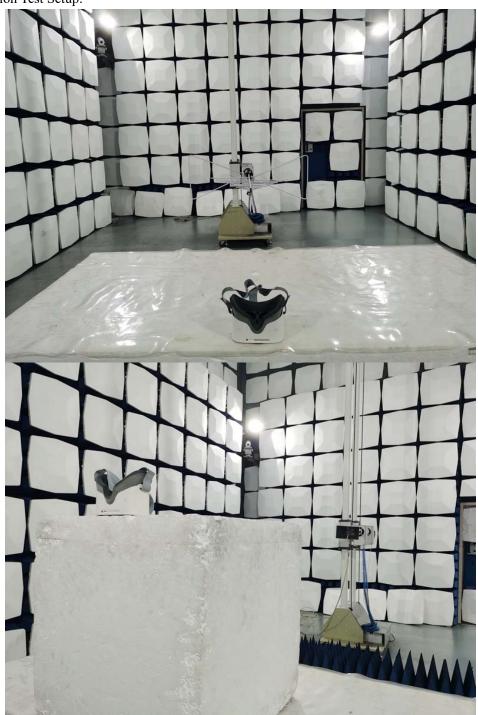


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Radiated Emission Test Setup:



Photographs - EUT

Please refer test report TW2106177-01E

End of the report

The report refers only to the sample tested and does not apply to the bulk.

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