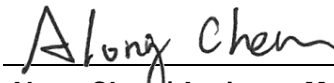


FCC C2PC Test Report

FCC ID : RYK-WPEQ257ACN
Equipment : 802.11ac/b/g/n Mini PCIe Module
Model No. : WPEQ-257ACN
Brand Name : SparkLAN
Applicant : SparkLAN Communications, Inc.
Address : 8F., No.257, Sec. 2, Tiding Blvd., Neihu District, Taipei City 11493, Taiwan.
Standard : 47 CFR FCC Part 15.407
Received Date : Oct. 16, 2019
Tested Date : Oct. 19 ~ Nov. 02, 2019

We, International Certification Corp., would like to declare that the tested sample has been evaluated and in compliance with the requirement of the above standards. The test results contained in this report refer exclusively to the product. It may be duplicated completely for legal use with the approval of the applicant. It shall not be reproduced except in full without the written approval of our laboratory.

Reviewed by:


Along Chen / Assistant Manager

Approved by:


Gary Chang / Manager



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Release Record

| Report No. | Version | Description | Issued Date |
|---------------|---------|---------------|---------------|
| FR660602-02AN | Rev. 01 | Initial issue | Nov. 27, 2019 |

Summary of Test Results

| FCC Rules | Test Items | Measured | Result |
|---------------------|---------------------|---|--------|
| 15.207 | Conducted Emissions | [dBuV]: 0.507MHz 39.11 (Margin -16.89dB) - QP | Pass |
| 15.407(b) 15.209 | Radiated Emissions | [dBuV/m at 3m]: 5150.00MHz 52.77 (Margin -1.23dB) - AV | Pass |

Declaration of Conformity:

The test results with all measurement uncertainty excluded are presented in accordance with the regulation limits or requirements declared by manufacturers.

Comments and Explanations:

The declared of product specification for EUT presented in the report are provided by the manufacturer, and the manufacturer takes all the responsibilities for the accuracy of product specification.

1 General Description

1.1 Information

This report is issued as a Class II Permissive Change. The only difference is adding antenna. In this report, conducted emissions & radiated emission is performed for this C2PC.

1.1.1 Specification of the Equipment under Test (EUT)

| RF General Information | | | | | |
|------------------------|------------------|-----------------|----------------|------------------------------------|-----------------|
| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Freq. (MHz) | Channel Number | Transmit Chains (N _{TX}) | Data Rate / MCS |
| 5150-5250 | a | 5180-5240 | 36-48 [4] | 2 | 6-54 Mbps |
| 5150-5250 | n (HT20) | 5180-5240 | 36-48 [4] | 2 | MCS 0-15 |
| 5150-5250 | n (HT40) | 5190-5230 | 38-46 [2] | 2 | MCS 0-15 |
| 5150-5250 | ac (VHT20) | 5180-5240 | 36-48 [4] | 2 | MCS 0-9 |
| 5150-5250 | ac (VHT40) | 5190-5230 | 38-46 [2] | 2 | MCS 0-9 |
| 5150-5250 | ac (VHT80) | 5210 | 42 [1] | 2 | MCS 0-9 |

Note 1: RF output power specifies that Maximum Conducted Output Power.
Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

| RF General Information | | | | | |
|------------------------|------------------|-----------------|----------------|------------------------------------|-----------------|
| Frequency Range (MHz) | IEEE Std. 802.11 | Ch. Freq. (MHz) | Channel Number | Transmit Chains (N _{TX}) | Data Rate / MCS |
| 5725-5850 | a | 5745-5825 | 149-165 [5] | 2 | 6-54 Mbps |
| 5725-5850 | n (HT20) | 5745-5825 | 149-165 [5] | 2 | MCS 0-15 |
| 5725-5850 | n (HT40) | 5755-5795 | 151-159 [2] | 2 | MCS 0-15 |
| 5725-5850 | ac (VHT20) | 5745-5825 | 149-165 [5] | 2 | MCS 0-9 |
| 5725-5850 | ac (VHT40) | 5755-5795 | 151-159 [2] | 2 | MCS 0-9 |
| 5725-5850 | ac (VHT80) | 5775 | 155 [1] | 2 | MCS 0-9 |

Note 1: RF output power specifies that Maximum Conducted Output Power.
Note 2: 802.11a/n/ac uses a combination of OFDM-BPSK, QPSK, 16QAM, 64QAM, 256QAM modulation.

1.1.2 Antenna Details (Adding antenna were marked in boldface)

| Ant No. | Brand | Model | Type | Connector | Operating Frequencies(GHz) / Antenna Gain (dBi) | | |
|------------|--------------------------------------|-----------------------------------|---------------|---------------|--|------------------------------|------------------------------|
| | | | | | 2.4~2.4835 | 5.15~5.25 | 5.725~5.85 |
| 1 | Wanshih Electronic Co., Ltd. | WSS038 | Dipole | RP-SMA | 4.6 | 5 | 5 |
| 2 | Long Cheng Tech. Int'l Co., Ltd. | DB B-SMA THIN PADDLE Ant. GEC6200 | Dipole | RP-SMA | 3 | 5 | 5 |
| 3 | SparkLAN Communications, Inc. | AD-103AG | Dipole | RP-SMA | 2.02 | 1.93 | 2.03 |
| 4 | SparkLAN Communications, Inc. | AD-302N | Dipole | RP-SMA | 3.14 | 2.74 | 2.35 |
| 5 | SparkLAN Communications, Inc. | AD-303N | Dipole | RP-SMA | 3.14 | 2.82 | 2.97 |
| 6 | TAOGLAS | FXP522.A.07.A.001 | Monopole | IPEX | Port 1: 3.78 Port 2: 3.15 | Port 1: 4.63 Port 2: 4.61 | Port 1: 4.63 Port 2: 4.61 |

1.1.3 Power Supply Type of Equipment under Test (EUT)

| | |
|--------------------------|------------------|
| Power Supply Type | 3.3Vdc from host |
|--------------------------|------------------|

1.1.4 Accessories

N/A

1.1.5 Channel List

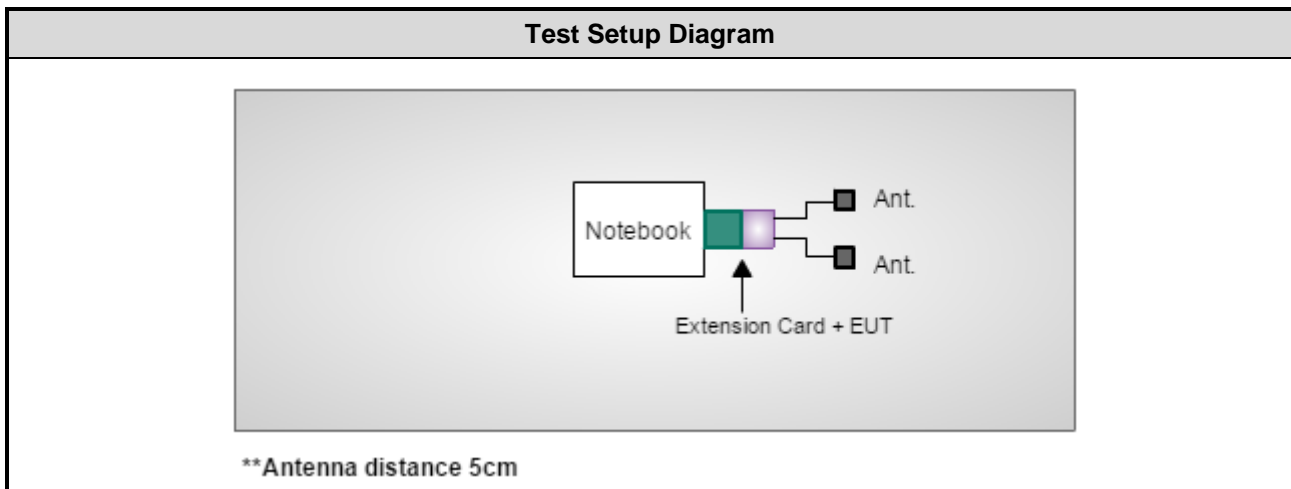
| For Frequency band 5150-5250 MHz | | | |
|----------------------------------|----------------|---------------|----------------|
| 802.11 a / HT20 / VHT20 | | HT40 / VHT40 | |
| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
| 36 | 5180 | 38 | 5190 |
| 40 | 5200 | 46 | 5230 |
| 44 | 5220 | VHT 80 | |
| 48 | 5240 | 42 | 5210 |

| For Frequency band 5725~5850 MHz | | | |
|----------------------------------|----------------|--------------|----------------|
| 802.11 a / HT20 / VHT20 | | HT40 / VHT40 | |
| Channel | Frequency(MHz) | Channel | Frequency(MHz) |
| 149 | 5745 | 151 | 5755 |
| 153 | 5765 | 159 | 5795 |
| 157 | 5785 | VHT80 | |
| 161 | 5805 | 155 | 5775 |
| 165 | 5825 | --- | --- |

1.2 Local Support Equipment List

| Support Equipment List | | | | | |
|------------------------|----------------|-------|----------------|--------|---------------------------|
| No. | Equipment | Brand | Model | FCC ID | Signal cable / Length (m) |
| 1 | Notebook | DELL | Latitude E6430 | DoC | --- |
| 2. | Extension Card | --- | --- | --- | --- |

1.3 Test Setup Chart



1.4 The Equipment List

| | | | | | |
|---|-------------------------------|------------------|-------------------|-------------------------|--------------------------|
| Test Item | Conducted Emission | | | | |
| Test Site | Conduction room 1 / (CO01-WS) | | | | |
| Tested Date | Oct. 31, 2019 | | | | |
| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Until |
| Receiver | R&S | ESR3 | 101657 | Jan. 08, 2019 | Jan. 07, 2020 |
| LISN | R&S | ENV216 | 101579 | Mar. 08, 2019 | Mar. 07, 2020 |
| RF Cable-CON | Woken | CFD200-NL | CFD200-NL-001 | Oct. 22, 2019 | Oct. 21, 2020 |
| Measurement Software | AUDIX | e3 | 6.120210k | NA | NA |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

| | | | | | |
|---|----------------------------|----------------------|-------------------|-------------------------|--------------------------|
| Test Item | Radiated Emission | | | | |
| Test Site | 966 chamber1 / (03CH01-WS) | | | | |
| Tested Date | Oct. 19 ~ Nov. 01, 2019 | | | | |
| Instrument | Manufacturer | Model No. | Serial No. | Calibration Date | Calibration Until |
| Spectrum Analyzer | R&S | FSV40 | 101498 | Dec. 27, 2018 | Dec. 26, 2019 |
| Receiver | R&S | ESR3 | 101658 | Dec. 11, 2018 | Dec. 10, 2019 |
| Bilog Antenna | SCHWARZBECK | VULB9168 | VULB9168-522 | Jul. 12, 2019 | Jul. 11, 2020 |
| Horn Antenna 1G-18G | SCHWARZBECK | BBHA 9120 D | BBHA 9120 D 1096 | Dec. 18, 2018 | Dec. 17, 2019 |
| Horn Antenna 18G-40G | SCHWARZBECK | BBHA 9170 | BBHA 9170517 | Nov. 15, 2018 | Nov. 14, 2019 |
| Loop Antenna | R&S | HFH2-Z2 | 100330 | Nov. 09, 2018 | Nov. 08, 2019 |
| Loop Antenna Cable | KOAX KABEL | 101354-BW | 101354-BW | Oct. 07, 2019 | Oct. 06, 2020 |
| Preamplifier | EMC | EMC02325 | 980225 | Jul. 09, 2019 | Jul. 08, 2020 |
| Preamplifier | Agilent | 83017A | MY39501308 | Oct. 08, 2019 | Oct. 07, 2020 |
| Preamplifier | EMC | EMC184045B | 980192 | Aug. 01, 2019 | Jul. 31, 2020 |
| RF Cable | EMC | EMC104-SM-SM-8000 | 181106 | Oct. 07, 2019 | Oct. 06, 2020 |
| RF Cable | HUBER+SUHNER | SUCOFLEX104 | MY16019/4 | Oct. 07, 2019 | Oct. 06, 2020 |
| RF Cable | HUBER+SUHNER | SUCOFLEX104 | MY16014/4 | Oct. 07, 2019 | Oct. 06, 2020 |
| LF cable 1M | EMC | EMCCFD400-NM-NM-1000 | 160502 | Oct. 07, 2019 | Oct. 06, 2020 |
| LF cable 3M | Woken | CFD400NL-LW | CFD400NL-001 | Oct. 07, 2019 | Oct. 06, 2020 |
| LF cable 10M | Woken | CFD400NL-LW | CFD400NL-002 | Oct. 07, 2019 | Oct. 06, 2020 |
| Measurement Software | AUDIX | e3 | 6.120210g | NA | NA |
| Note: Calibration Interval of instruments listed above is one year. | | | | | |

1.5 Testing Applied Standards

According to the specification of EUT, the EUT must comply with following standards and KDB documents.

47 CFR FCC Part 15.407

ANSI C63.10-2013

FCC KDB 789033 D02 General UNII Test Procedures New Rules v02r01

FCC KDB 662911 D01 Multiple Transmitter Output v02r01

FCC KDB 412172 D01 Determining ERP and EIRP v01r01

1.6 Deviation from Test Standard and Measurement Procedure

None

1.7 Measurement Uncertainty

ISO/IEC 17025 requires that an estimate of the measurement uncertainties associated with the emissions test results be included in the report. The measurement uncertainties given below are based on a 95% confidence level (based on a coverage factor ($k=2$)).

| Measurement Uncertainty | |
|--------------------------|-------------|
| Parameters | Uncertainty |
| AC conducted emission | ±2.92 dB |
| Radiated emission ≤ 1GHz | ±3.41 dB |
| Radiated emission > 1GHz | ±4.59 dB |

2 Test Configuration

2.1 Testing Condition

| Test Item | Test Site | Ambient Condition | Tested By |
|--------------------|-----------|-------------------|------------|
| AC Conduction | CO01-WS | 22°C / 58% | Akun Chung |
| Radiated Emissions | 03CH01-WS | 24-25°C / 61-65% | Roger Lu |

- FCC Designation No.: TW2732
- FCC site registration No.: 181692
- ISED#: 10807A
- CAB identifier: TW2732

2.2 The Worst Test Modes and Channel Details

| For Frequency band 5150-5250 MHz | | | | |
|----------------------------------|-----------------|----------------------|------------------------|--------------------|
| Test item | Modulation Mode | Test Frequency (MHz) | Data Rate (Mbps) / MCS | Test Configuration |
| Conducted Emissions | 11a | 5200 | 6 Mbps | --- |
| Radiated Emissions ≤1GHz | 11a | 5200 | 6 Mbps | --- |
| Radiated Emissions >1GHz | 11a | 5180 / 5200 / 5240 | 6 Mbps | --- |
| | VHT20 | 5180 / 5200 / 5240 | MCS 0 | --- |
| | VHT40 | 5190 / 5230 | MCS 0 | --- |
| | VHT80 | 5210 | MCS 0 | --- |

NOTE:

- The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **X-plane** results were found as the worst case and were shown in this report.

| For Frequency band 5725-5850 MHz | | | | |
|----------------------------------|-----------------|----------------------|------------------------|--------------------|
| Test item | Modulation Mode | Test Frequency (MHz) | Data Rate (Mbps) / MCS | Test Configuration |
| Conducted Emissions | 11a | 5745 | 6 Mbps | --- |
| Radiated Emissions ≤1GHz | 11a | 5745 | 6 Mbps | --- |
| Radiated Emissions >1GHz | 11a | 5745 / 5785 / 5825 | 6 Mbps | --- |
| | VHT20 | 5745 / 5785 / 5825 | MCS 0 | --- |
| | VHT40 | 5755 / 5795 | MCS 0 | --- |
| | VHT80 | 5775 | MCS 0 | --- |

NOTE:

- The EUT was pretested with 3 orientations placed on the table for the radiated emission measurement – X, Y, and Z-plane. The **X-plane** results were found as the worst case and were shown in this report.

3 Transmitter Test Results

3.1 Conducted Emissions

3.1.1 Limit of Conducted Emissions

| Conducted Emissions Limit | | |
|---------------------------|------------|-----------|
| Frequency Emission (MHz) | Quasi-Peak | Average |
| 0.15-0.5 | 66 - 56 * | 56 - 46 * |
| 0.5-5 | 56 | 46 |
| 5-30 | 60 | 50 |

Note 1: * Decreases with the logarithm of the frequency.

3.1.2 Test Procedures

1. The device is placed on a test table, raised 80 cm above the reference ground plane. The vertical conducting plane is located 40 cm to the rear of the device.
2. The device is connected to line impedance stabilization network (LISN) and other accessories are connected to other LISN. Measured levels of AC power line conducted emission are across the 50 Ω LISN port.
3. AC conducted emission measurements is made over frequency range from 150 kHz to 30 MHz.
4. This measurement was performed with AC 120V / 60Hz.

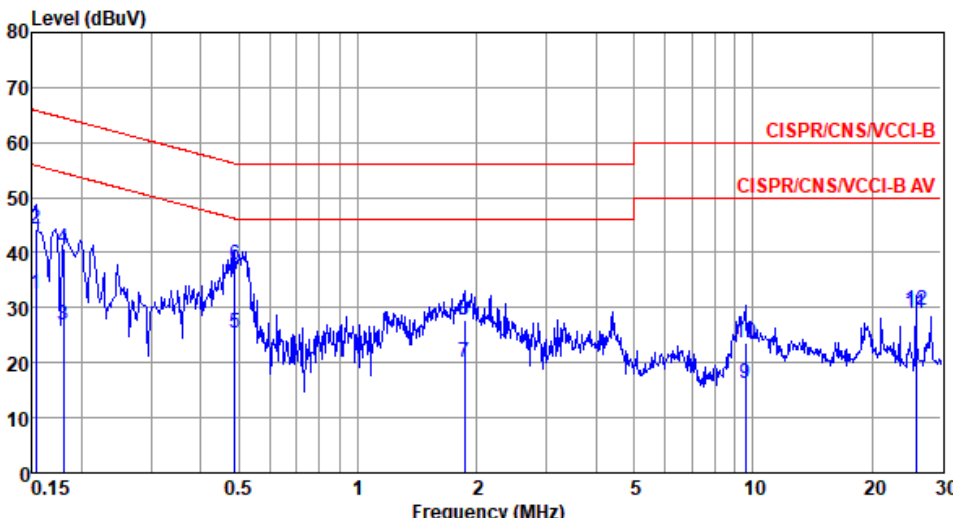
3.1.3 Test Setup



- Note: 1. Support units were connected to second LISN.
 2. Both of LISNs (AMN) are 80 cm from EUT and at least 80 cm from other units and other metal planes

3.1.4 Test Result of Conducted Emissions

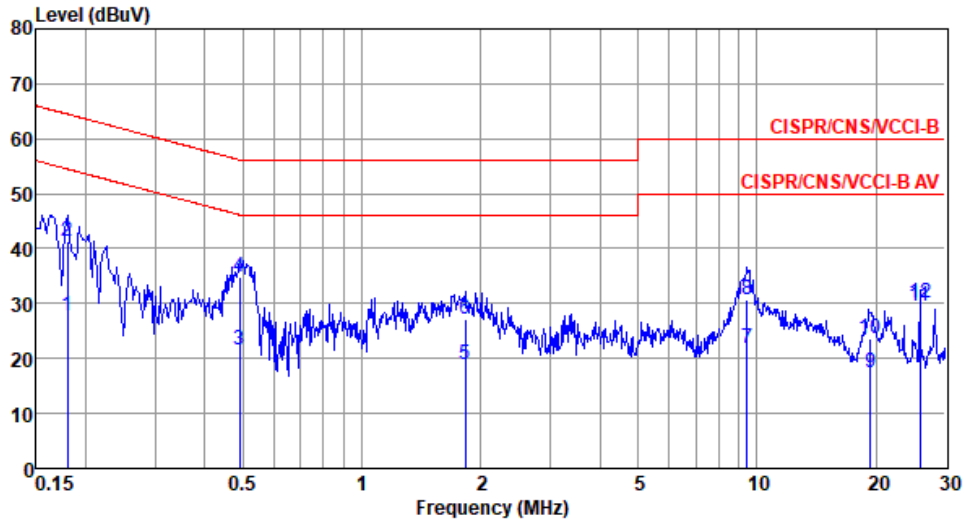
| | | | |
|--------------------|------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5200 |
| Power Phase | Line | | |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.153 | 32.52 | 55.82 | -23.30 | 22.94 | 9.53 | 0.05 | Average |
| 2 | 0.153 | 44.14 | 65.82 | -21.68 | 34.56 | 9.53 | 0.05 | QP |
| 3 | 0.180 | 26.76 | 54.50 | -27.74 | 17.16 | 9.54 | 0.06 | Average |
| 4 | 0.180 | 40.86 | 64.50 | -23.64 | 31.26 | 9.54 | 0.06 | QP |
| 5 | 0.489 | 25.30 | 46.19 | -20.89 | 15.63 | 9.58 | 0.09 | Average |
| 6* | 0.489 | 37.80 | 56.19 | -18.39 | 28.13 | 9.58 | 0.09 | QP |
| 7 | 1.858 | 20.08 | 46.00 | -25.92 | 10.31 | 9.60 | 0.17 | Average |
| 8 | 1.858 | 27.75 | 56.00 | -28.25 | 17.98 | 9.60 | 0.17 | QP |
| 9 | 9.552 | 16.22 | 50.00 | -33.78 | 6.19 | 9.65 | 0.38 | Average |
| 10 | 9.552 | 23.47 | 60.00 | -36.53 | 13.44 | 9.65 | 0.38 | QP |
| 11 | 25.870 | 29.07 | 50.00 | -20.93 | 18.72 | 9.63 | 0.72 | Average |
| 12 | 25.870 | 29.66 | 60.00 | -30.34 | 19.31 | 9.63 | 0.72 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

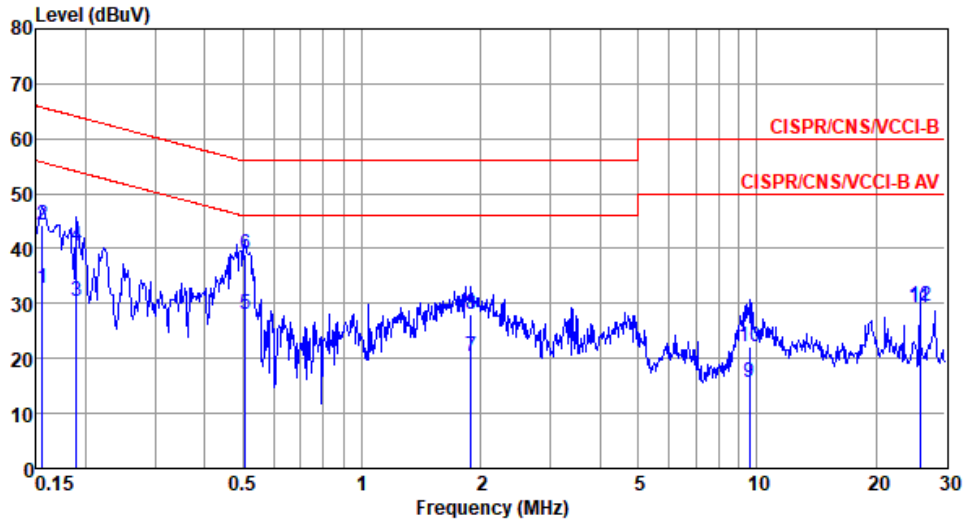
| | | | |
|--------------------|---------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5180 |
| Power Phase | Neutral | | |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|-----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.180 | 27.87 | 54.50 | -26.63 | 18.23 | 9.58 | 0.06 | Average |
| 2 | 0.180 | 41.39 | 64.50 | -23.11 | 31.75 | 9.58 | 0.06 | QP |
| 3 | 0.491 | 21.55 | 46.14 | -24.59 | 11.84 | 9.62 | 0.09 | Average |
| 4 | 0.491 | 34.83 | 56.14 | -21.31 | 25.12 | 9.62 | 0.09 | QP |
| 5 | 1.829 | 18.80 | 46.00 | -27.20 | 8.98 | 9.65 | 0.17 | Average |
| 6 | 1.829 | 27.16 | 56.00 | -28.84 | 17.34 | 9.65 | 0.17 | QP |
| 7 | 9.451 | 21.90 | 50.00 | -28.10 | 11.81 | 9.71 | 0.38 | Average |
| 8 | 9.451 | 30.61 | 60.00 | -29.39 | 20.52 | 9.71 | 0.38 | QP |
| 9 | 19.400 | 17.35 | 50.00 | -32.65 | 6.89 | 9.81 | 0.65 | Average |
| 10 | 19.400 | 23.76 | 60.00 | -36.24 | 13.30 | 9.81 | 0.65 | QP |
| 11* | 25.870 | 29.65 | 50.00 | -20.35 | 19.11 | 9.82 | 0.72 | Average |
| 12 | 25.870 | 29.97 | 60.00 | -30.03 | 19.43 | 9.82 | 0.72 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

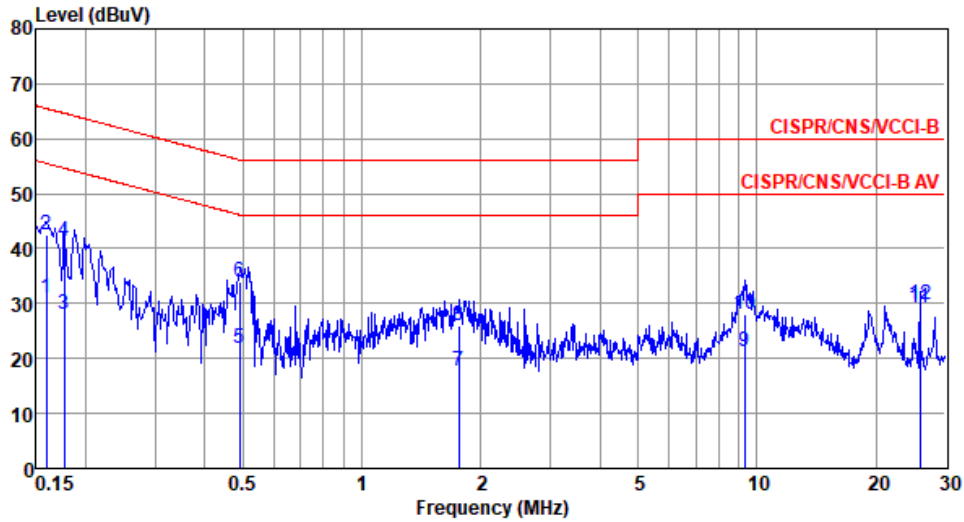
| | | | |
|--------------------|------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5745 |
| Power Phase | Line | | |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.156 | 32.64 | 55.69 | -23.05 | 23.06 | 9.53 | 0.05 | Average |
| 2 | 0.156 | 44.25 | 65.69 | -21.44 | 34.67 | 9.53 | 0.05 | QP |
| 3 | 0.189 | 30.41 | 54.06 | -23.65 | 20.81 | 9.54 | 0.06 | Average |
| 4 | 0.189 | 40.53 | 64.06 | -23.53 | 30.93 | 9.54 | 0.06 | QP |
| 5 | 0.507 | 27.91 | 46.00 | -18.09 | 18.24 | 9.58 | 0.09 | Average |
| 6* | 0.507 | 39.11 | 56.00 | -16.89 | 29.44 | 9.58 | 0.09 | QP |
| 7 | 1.888 | 20.28 | 46.00 | -25.72 | 10.50 | 9.60 | 0.18 | Average |
| 8 | 1.888 | 28.00 | 56.00 | -28.00 | 18.22 | 9.60 | 0.18 | QP |
| 9 | 9.552 | 15.54 | 50.00 | -34.46 | 5.51 | 9.65 | 0.38 | Average |
| 10 | 9.552 | 22.10 | 60.00 | -37.90 | 12.07 | 9.65 | 0.38 | QP |
| 11 | 25.870 | 29.09 | 50.00 | -20.91 | 18.74 | 9.63 | 0.72 | Average |
| 12 | 25.870 | 29.64 | 60.00 | -30.36 | 19.29 | 9.63 | 0.72 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

| | | | |
|--------------------|---------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5745 |
| Power Phase | Neutral | | |



| | Freq MHz | Level dBuV | Limit Line dBuV | Over Limit dB | Read Level dBuV | LISN factor dB | cable loss dB | Remark |
|-----|-------------|---------------|-----------------------|---------------------|-----------------------|----------------------|---------------------|---------|
| 1 | 0.159 | 30.98 | 55.52 | -24.54 | 21.36 | 9.57 | 0.05 | Average |
| 2 | 0.159 | 42.65 | 65.52 | -22.87 | 33.03 | 9.57 | 0.05 | QP |
| 3 | 0.177 | 28.15 | 54.64 | -26.49 | 18.51 | 9.58 | 0.06 | Average |
| 4 | 0.177 | 41.38 | 64.64 | -23.26 | 31.74 | 9.58 | 0.06 | QP |
| 5 | 0.491 | 21.71 | 46.14 | -24.43 | 12.00 | 9.62 | 0.09 | Average |
| 6 | 0.491 | 33.90 | 56.14 | -22.24 | 24.19 | 9.62 | 0.09 | QP |
| 7 | 1.762 | 17.80 | 46.00 | -28.20 | 7.98 | 9.65 | 0.17 | Average |
| 8 | 1.762 | 25.96 | 56.00 | -30.04 | 16.14 | 9.65 | 0.17 | QP |
| 9 | 9.302 | 21.37 | 50.00 | -28.63 | 11.28 | 9.71 | 0.38 | Average |
| 10 | 9.302 | 27.90 | 60.00 | -32.10 | 17.81 | 9.71 | 0.38 | QP |
| 11* | 25.870 | 29.37 | 50.00 | -20.63 | 18.83 | 9.82 | 0.72 | Average |
| 12 | 25.870 | 29.69 | 60.00 | -30.31 | 19.15 | 9.82 | 0.72 | QP |

Note 1: Level (dBuV) = Read Level (dBuV) + LISN Factor (dB) + Cable Loss (dB).
 2: Over Limit (dB) = Level (dBuV) – Limit Line (dBuV).

3.2 Transmitter Radiated and Band Edge Emissions

3.2.1 Limit of Transmitter Radiated and Band Edge Emissions

| Restricted Band Emissions Limit | | | |
|---------------------------------|-----------------------|-------------------------|----------------------|
| Frequency Range (MHz) | Field Strength (uV/m) | Field Strength (dBuV/m) | Measure Distance (m) |
| 0.009~0.490 | 2400/F(kHz) | 48.5 - 13.8 | 300 |
| 0.490~1.705 | 24000/F(kHz) | 33.8 - 23 | 30 |
| 1.705~30.0 | 30 | 29 | 30 |
| 30~88 | 100 | 40 | 3 |
| 88~216 | 150 | 43.5 | 3 |
| 216~960 | 200 | 46 | 3 |
| Above 960 | 500 | 54 | 3 |

Note 1:
Qusai-Peak value is measured for frequency below 1GHz except for 9–90 kHz, 110–490 kHz frequency band. Peak and average value are measured for frequency above 1GHz. The limit on average radio frequency emission is as above table. The limit on peak radio frequency emissions is 20 dB above the maximum permitted average emission limit

Note 2:
Measurements may be performed at a distance other than what is specified provided. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor as below, Frequency at or above 30 MHz: 20 dB/decade Frequency below 30 MHz: 40 dB/decade.

| Un-restricted band emissions above 1GHz Limit | |
|---|---|
| Operating Band | Limit |
| 5.15 - 5.25 GHz | e.i.r.p. -27 dBm [68.2 dBuV/m@3m] |
| 5.725 - 5.850 GHz | All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge. |

Note 1: Measurements may be performed at a distance other than the limit distance provided they are not performed in the near field and the emissions to be measured can be detected by the measurement equipment. When performing measurements at a distance other than that specified, the results shall be extrapolated to the specified distance using an extrapolation factor of 20 dB/decade (inverse of linear distance for field-strength measurements, inverse of linear distance-squared for power-density measurements).

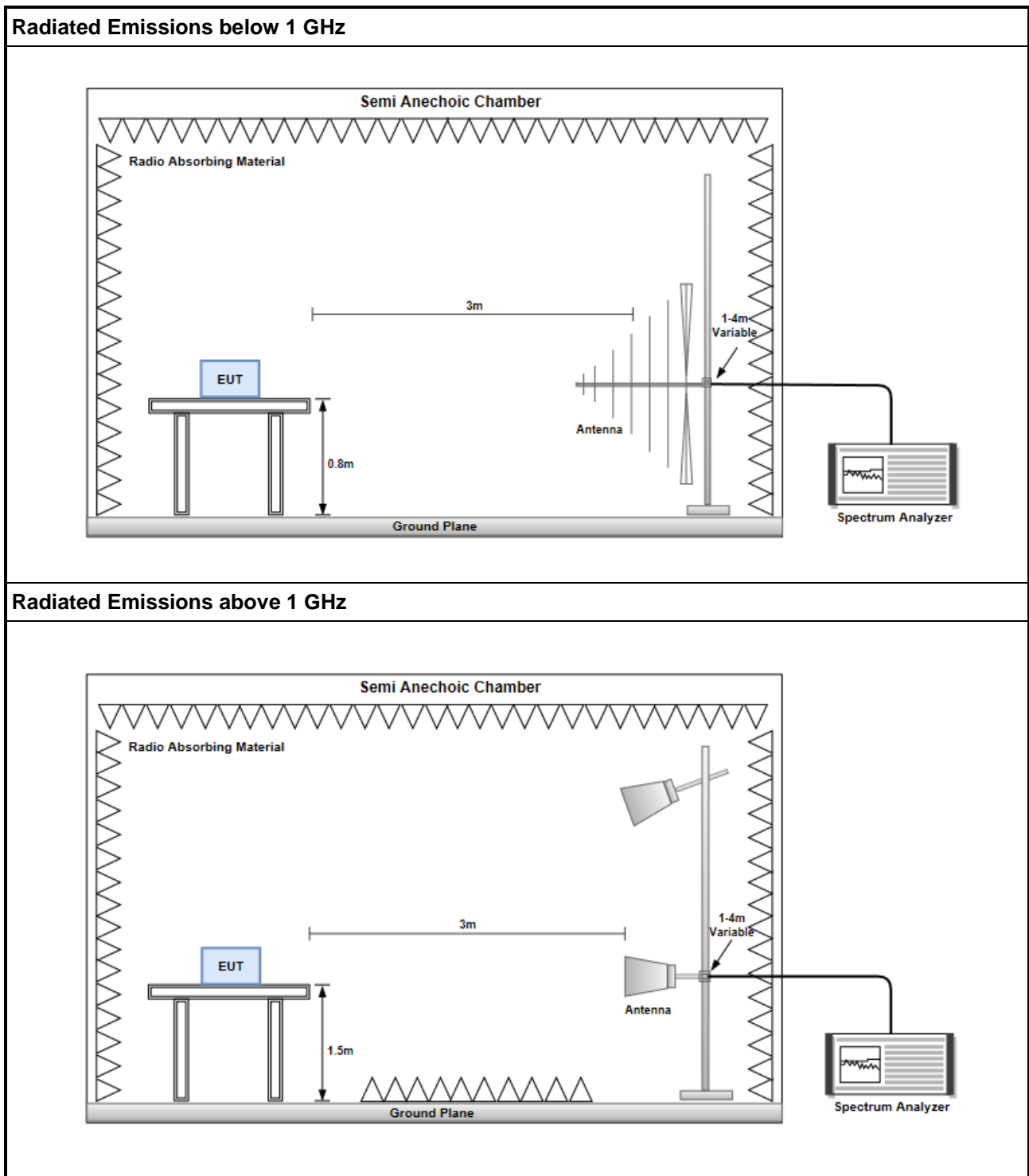
3.2.2 Test Procedures

1. Measurement is made at a semi-anechoic chamber that incorporates a turntable allowing a EUT rotation of 360°. A continuously-rotating, remotely-controlled turntable is installed at the test site to support the EUT and facilitate determination of the direction of maximum radiation for each EUT emission frequency. The EUT is placed at test table. For emissions testing at or below 1 GHz, the table height is 80 cm above the reference ground plane. For emission measurements above 1 GHz, the table height is 1.5 m
2. Measurement is made with the antenna positioned in both the horizontal and vertical planes of polarization. The measurement antenna is varied in height (1m ~ 4m) above the reference ground plane to obtain the maximum signal strength. Distance between EUT and antenna is 3 m.
3. This investigation is performed with the EUT rotated 360°, the antenna height scanned between 1 m and 4 m, and the antenna rotated to repeat the measurements for both the horizontal and vertical antenna polarizations.

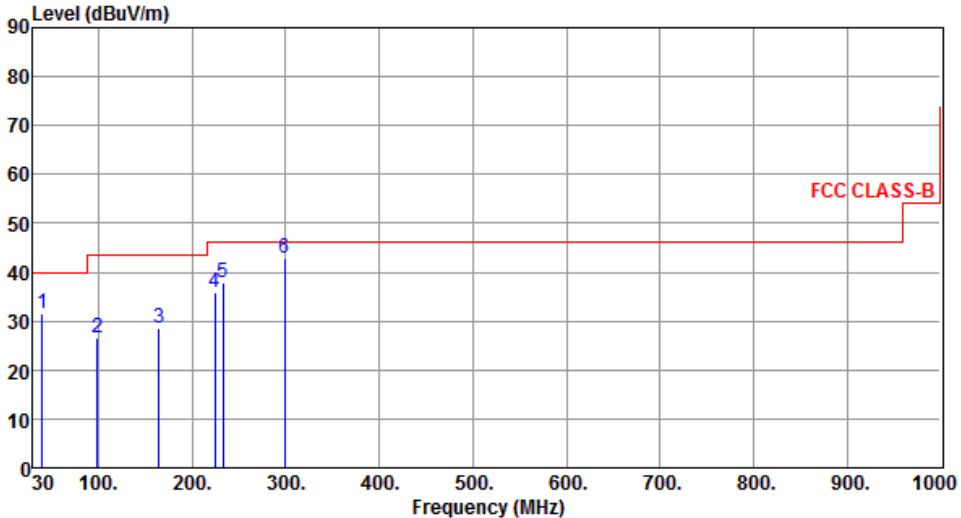
Note:

1. 120kHz measurement bandwidth of test receiver and Quasi-peak detector is for radiated emission below 1GHz.
2. RBW=1MHz, VBW=3MHz and Peak detector is for peak measured value of radiated emission above 1GHz.
3. RBW=1MHz, VBW=1/T and Peak detector is for average measured value of radiated emission above 1GHz.

3.2.3 Test Setup

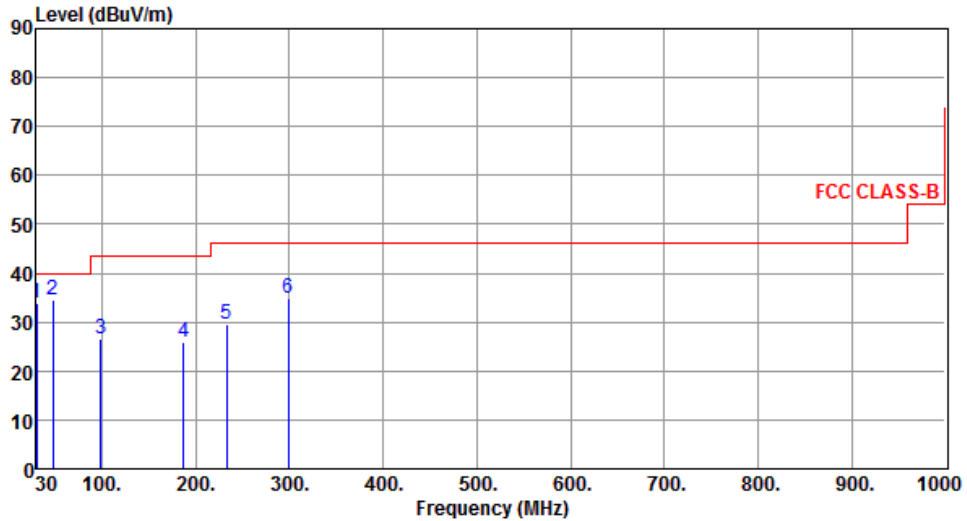


3.2.4 Transmitter Radiated Unwanted Emissions (Below 1GHz)

| Modulation | 11a | Test Freq. (MHz) | 5200 | | | | | | |
|---|----------------|------------------|--------|------------|--------|--------|-------------|----------------|-----|
| Polarization | Horizontal | | | | | | | | |
|  <p>The graph plots Level (dBuV/m) on the y-axis (0 to 90) against Frequency (MHz) on the x-axis (30 to 1000). A red line represents the FCC CLASS-B limit, which is 40 dBuV/m from 30 to 100 MHz, 43.5 dBuV/m from 100 to 200 MHz, 46 dBuV/m from 200 to 300 MHz, and 55 dBuV/m from 300 to 1000 MHz. Six blue vertical lines represent emission peaks labeled 1 through 6, with their respective levels and frequencies listed in the table below.</p> | | | | | | | | | |
| Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High cm | Turn Table deg | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | | | |
| 1 | 39.70 | 31.70 | 40.00 | -8.30 | 40.42 | -8.72 | Peak | --- | --- |
| 2 | 98.87 | 26.44 | 43.50 | -17.06 | 39.66 | -13.22 | Peak | --- | --- |
| 3 | 164.83 | 28.70 | 43.50 | -14.80 | 37.31 | -8.61 | Peak | --- | --- |
| 4 | 224.00 | 35.78 | 46.00 | -10.22 | 47.78 | -12.00 | Peak | --- | --- |
| 5 | 232.73 | 37.87 | 46.00 | -8.13 | 49.03 | -11.16 | Peak | --- | --- |
| 6 | 298.69 | 42.88 | 46.00 | -3.12 | 51.00 | -8.12 | Peak | --- | --- |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5200 |
| Polarization | Vertical | | |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 30.00 | 33.84 | 40.00 | -6.16 | 43.55 | -9.71 | Peak | --- | --- |
| 2 | 47.46 | 34.53 | 40.00 | -5.47 | 42.94 | -8.41 | Peak | --- | --- |
| 3 | 98.87 | 26.48 | 43.50 | -17.02 | 39.70 | -13.22 | Peak | --- | --- |
| 4 | 187.14 | 26.00 | 43.50 | -17.50 | 36.89 | -10.89 | Peak | --- | --- |
| 5 | 232.73 | 29.66 | 46.00 | -16.34 | 40.82 | -11.16 | Peak | --- | --- |
| 6 | 298.69 | 35.03 | 46.00 | -10.97 | 43.15 | -8.12 | Peak | --- | --- |

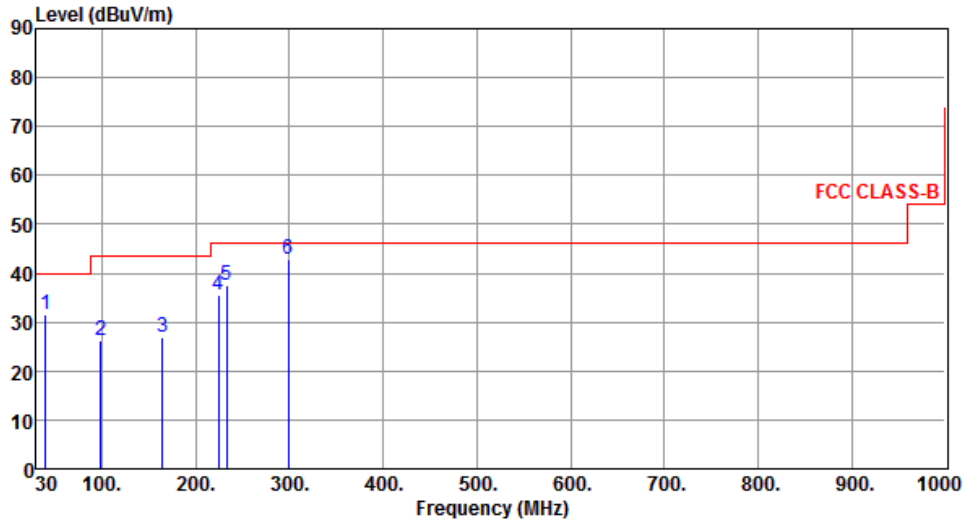
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5745 |
| Polarization | Horizontal | | |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 39.66 | 31.55 | 40.00 | -8.45 | 40.27 | -8.72 | Peak | --- | --- |
| 2 | 98.79 | 26.34 | 43.50 | -17.16 | 39.57 | -13.23 | Peak | --- | --- |
| 3 | 164.77 | 26.74 | 43.50 | -16.76 | 35.35 | -8.61 | Peak | --- | --- |
| 4 | 224.12 | 35.69 | 46.00 | -10.31 | 47.69 | -12.00 | Peak | --- | --- |
| 5 | 232.66 | 37.68 | 46.00 | -8.32 | 48.85 | -11.17 | Peak | --- | --- |
| 6 | 298.51 | 42.79 | 46.00 | -3.21 | 50.91 | -8.12 | Peak | --- | --- |

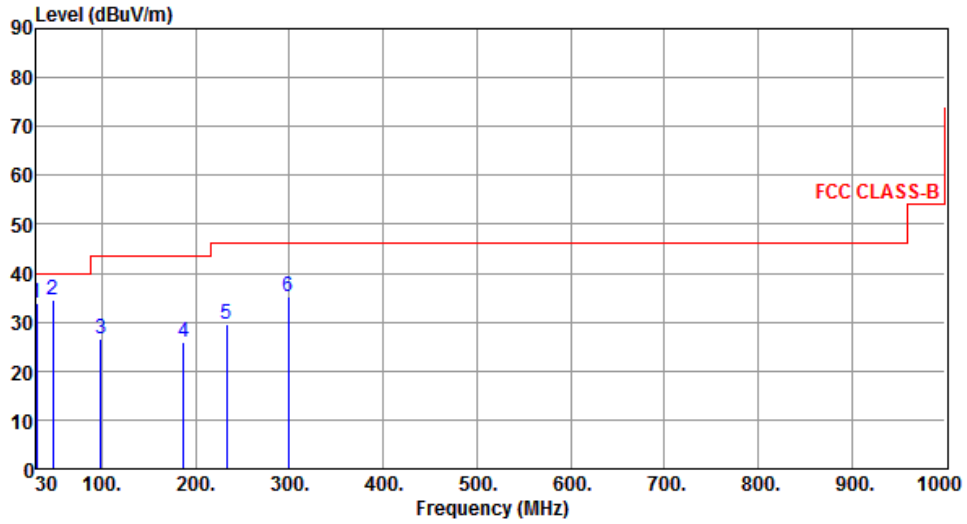
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5745 |
| Polarization | Vertical | | |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|--------|-------------------|----------------------|
| 1 | 30.00 | 33.84 | 40.00 | -6.16 | 43.55 | -9.71 | Peak | --- | --- |
| 2 | 47.81 | 34.61 | 40.00 | -5.39 | 43.01 | -8.40 | Peak | --- | --- |
| 3 | 98.51 | 26.45 | 43.50 | -17.05 | 39.71 | -13.26 | Peak | --- | --- |
| 4 | 187.22 | 25.98 | 43.50 | -17.52 | 36.88 | -10.90 | Peak | --- | --- |
| 5 | 232.66 | 29.47 | 46.00 | -16.53 | 40.64 | -11.17 | Peak | --- | --- |
| 6 | 298.55 | 35.12 | 46.00 | -10.88 | 43.24 | -8.12 | Peak | --- | --- |

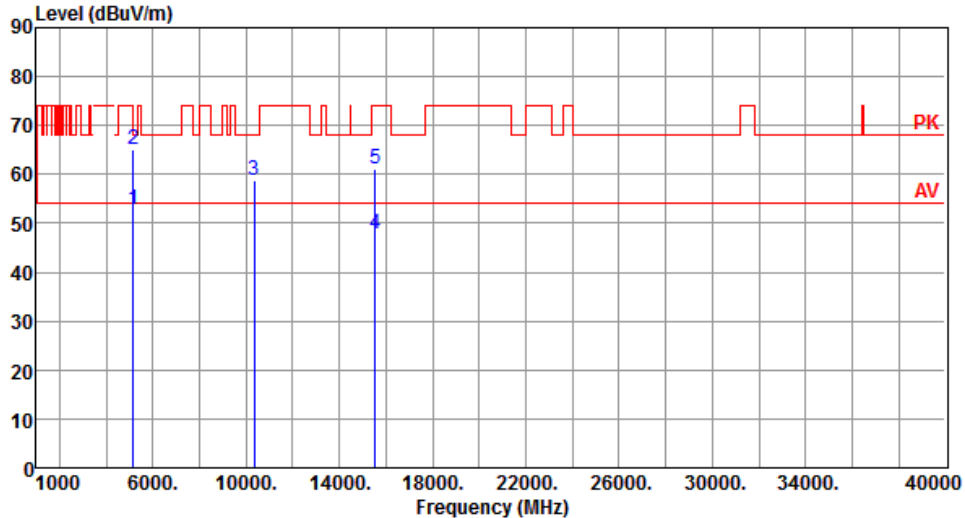
Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

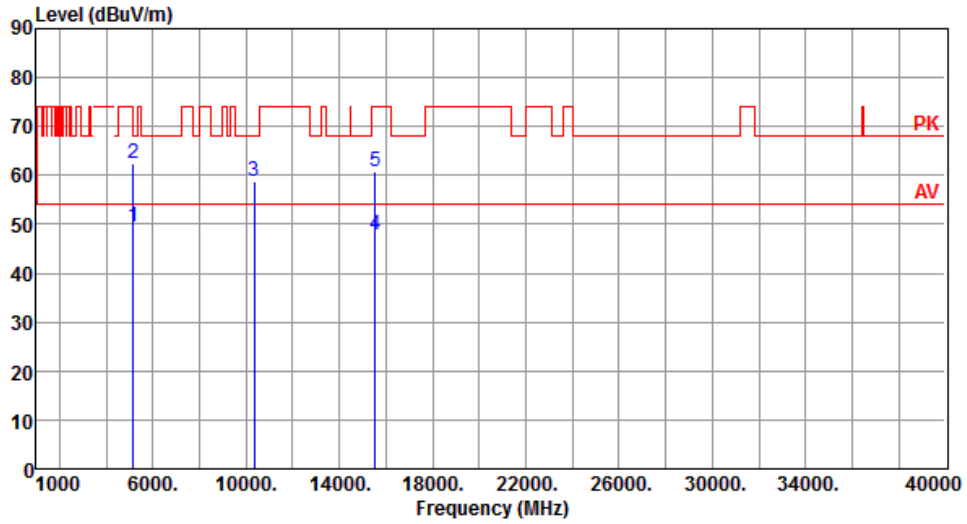
Note 3: All spurious emissions below 30MHz are more than 20 dB below the limit.

3.2.5 Transmitter Radiated Unwanted Emissions (Above 1GHz) for 11a

| Modulation | 11a | Test Freq. (MHz) | 5180 | | | | | | |
|---|----------------|------------------|--------|------------|--------|--------|----------|------------|-----|
| Polarization | Horizontal | | | | | | | | |
|  | | | | | | | | | |
| Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | |
| 1 | 5150.00 | 52.77 | 54.00 | -1.23 | 48.33 | 4.44 | Average | 100 | 96 |
| 2 | 5150.00 | 64.94 | 74.00 | -9.06 | 60.50 | 4.44 | Peak | 100 | 96 |
| 3 | 10360.00 | 58.91 | 68.20 | -9.29 | 44.62 | 14.29 | Peak | 100 | 350 |
| 4 | 15540.00 | 47.69 | 54.00 | -6.31 | 33.14 | 14.55 | Average | 100 | 20 |
| 5 | 15540.00 | 61.04 | 74.00 | -12.96 | 46.49 | 14.55 | Peak | 100 | 20 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)
*Factor includes antenna factor , cable loss and amplifier gain
Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5180 |
| Polarization | Vertical | | |



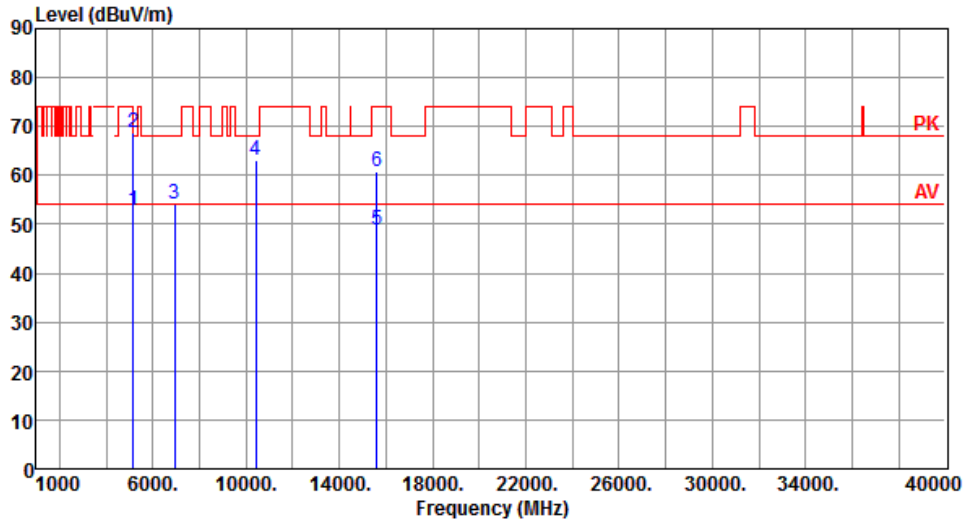
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 49.53 | 54.00 | -4.47 | 45.09 | 4.44 | Average | 306 | 207 |
| 2 | 5150.00 | 62.53 | 74.00 | -11.47 | 58.09 | 4.44 | Peak | 306 | 207 |
| 3 | 10360.00 | 58.81 | 68.20 | -9.39 | 44.52 | 14.29 | Peak | 100 | 20 |
| 4 | 15540.00 | 47.74 | 54.00 | -6.26 | 33.19 | 14.55 | Average | 100 | 50 |
| 5 | 15540.00 | 60.94 | 74.00 | -13.06 | 46.39 | 14.55 | Peak | 100 | 50 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5200 |
| Polarization | Horizontal | | |



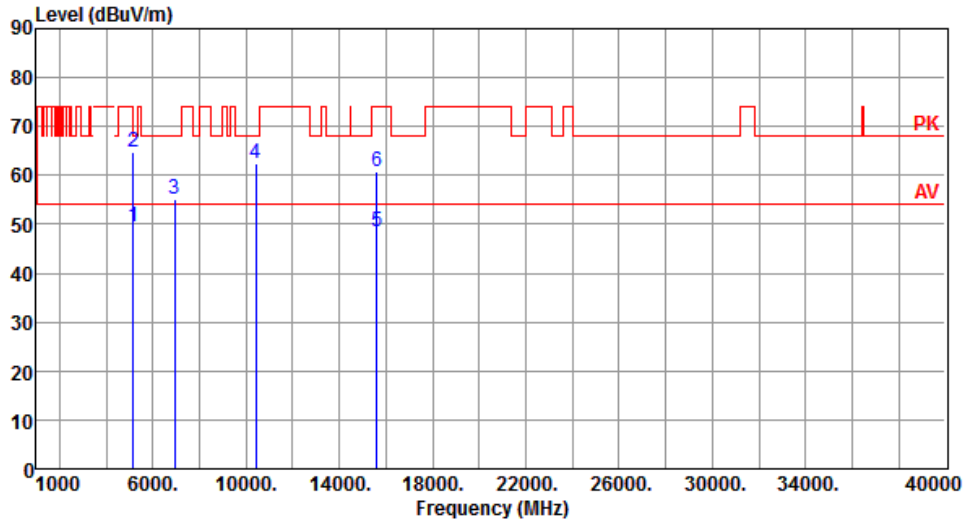
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 52.70 | 54.00 | -1.30 | 48.26 | 4.44 | Average | 116 | 91 |
| 2 | 5150.00 | 68.58 | 74.00 | -5.42 | 64.14 | 4.44 | Peak | 116 | 91 |
| 3 | 6933.33 | 54.25 | 68.20 | -13.95 | 46.39 | 7.86 | Peak | 100 | 147 |
| 4 | 10400.00 | 63.09 | 68.20 | -5.11 | 48.69 | 14.40 | Peak | 333 | 347 |
| 5 | 15600.00 | 48.69 | 54.00 | -5.31 | 34.35 | 14.34 | Average | 100 | 60 |
| 6 | 15600.00 | 60.81 | 74.00 | -13.19 | 46.47 | 14.34 | Peak | 100 | 60 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5200 |
| Polarization | Vertical | | |



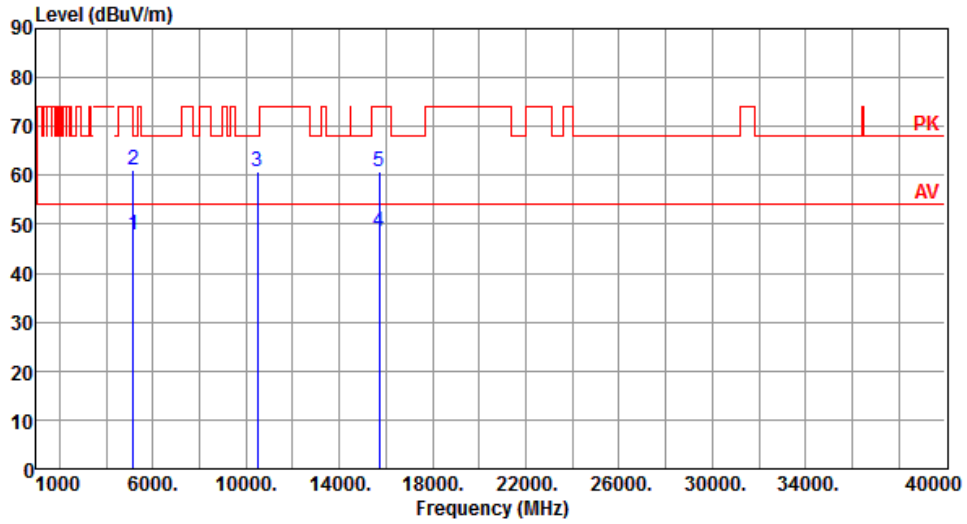
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 49.53 | 54.00 | -4.47 | 45.09 | 4.44 | Average | 305 | 205 |
| 2 | 5150.00 | 64.86 | 74.00 | -9.14 | 60.42 | 4.44 | Peak | 305 | 205 |
| 3 | 6933.33 | 55.17 | 68.20 | -13.03 | 47.31 | 7.86 | Peak | 100 | 87 |
| 4 | 10400.00 | 62.34 | 68.20 | -5.86 | 47.94 | 14.40 | Peak | 100 | 36 |
| 5 | 15600.00 | 48.39 | 54.00 | -5.61 | 34.05 | 14.34 | Average | 100 | 40 |
| 6 | 15600.00 | 60.83 | 74.00 | -13.17 | 46.49 | 14.34 | Peak | 100 | 40 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5240 |
| Polarization | Horizontal | | |



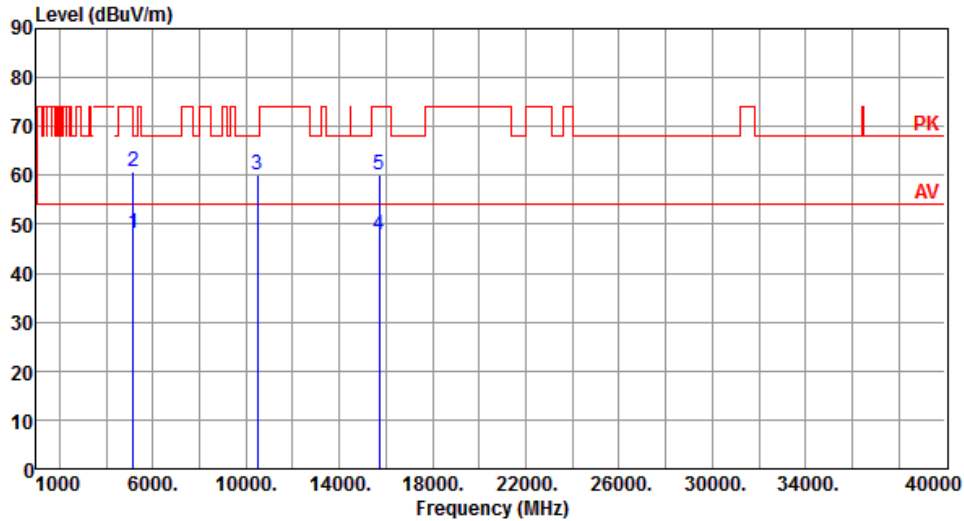
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 47.97 | 54.00 | -6.03 | 43.53 | 4.44 | Average | 100 | 88 |
| 2 | 5150.00 | 61.02 | 74.00 | -12.98 | 56.58 | 4.44 | Peak | 100 | 88 |
| 3 | 10480.00 | 60.86 | 68.20 | -7.34 | 46.46 | 14.40 | Peak | 335 | 345 |
| 4 | 15720.00 | 48.56 | 54.00 | -5.44 | 34.47 | 14.09 | Average | 100 | 90 |
| 5 | 15720.00 | 60.63 | 74.00 | -13.37 | 46.54 | 14.09 | Peak | 100 | 90 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5240 |
| Polarization | Vertical | | |



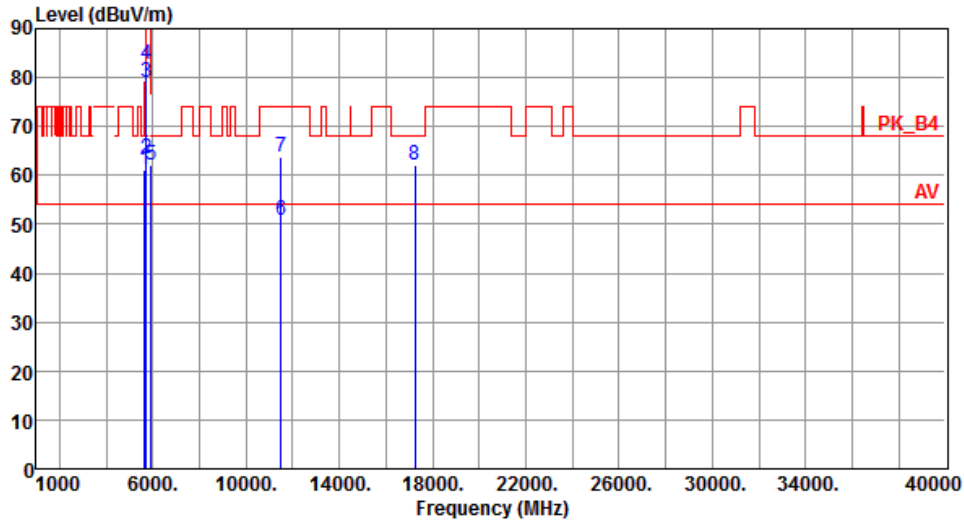
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 48.02 | 54.00 | -5.98 | 43.58 | 4.44 | Average | 306 | 205 |
| 2 | 5150.00 | 60.88 | 74.00 | -13.12 | 56.44 | 4.44 | Peak | 306 | 205 |
| 3 | 10480.00 | 60.06 | 68.20 | -8.14 | 45.66 | 14.40 | Peak | 100 | 37 |
| 4 | 15720.00 | 47.93 | 54.00 | -6.07 | 33.84 | 14.09 | Average | 100 | 40 |
| 5 | 15720.00 | 60.27 | 74.00 | -13.73 | 46.18 | 14.09 | Peak | 100 | 40 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5745 |
| Polarization | Horizontal | | |



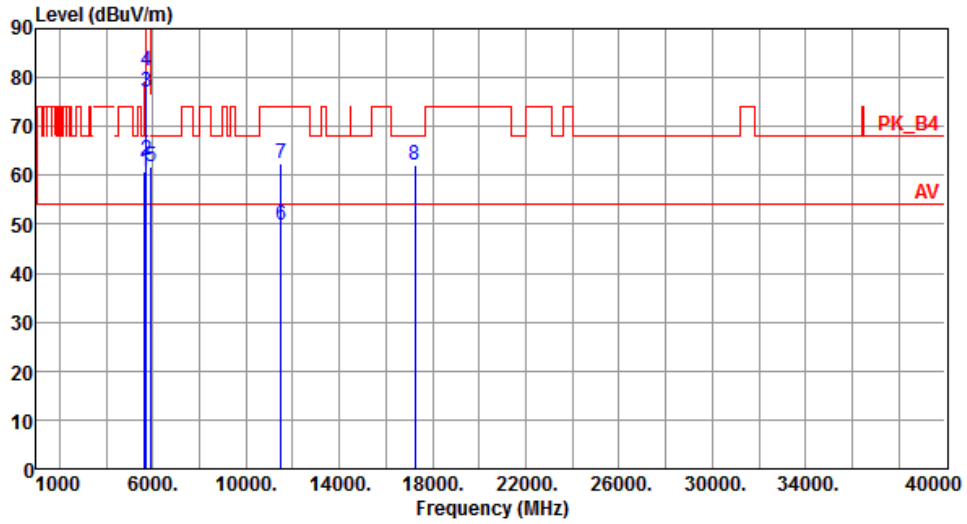
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.95 | 68.20 | -7.25 | 56.41 | 4.54 | Peak | 100 | 91 |
| 2 | 5700.00 | 63.31 | 105.20 | -41.89 | 58.63 | 4.68 | Peak | 100 | 91 |
| 3 | 5720.00 | 79.08 | 110.80 | -31.72 | 74.35 | 4.73 | Peak | 100 | 91 |
| 4 | 5725.00 | 82.61 | 122.20 | -39.59 | 77.86 | 4.75 | Peak | 100 | 91 |
| 5 | 5925.00 | 61.95 | 68.20 | -6.25 | 56.67 | 5.28 | Peak | 100 | 91 |
| 6 | 11490.00 | 50.86 | 54.00 | -3.14 | 36.15 | 14.71 | Average | 100 | 145 |
| 7 | 11490.00 | 63.82 | 74.00 | -10.18 | 49.11 | 14.71 | Peak | 100 | 145 |
| 8 | 17235.00 | 62.22 | 68.20 | -5.98 | 44.69 | 17.53 | Peak | 100 | 40 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5745 |
| Polarization | Vertical | | |



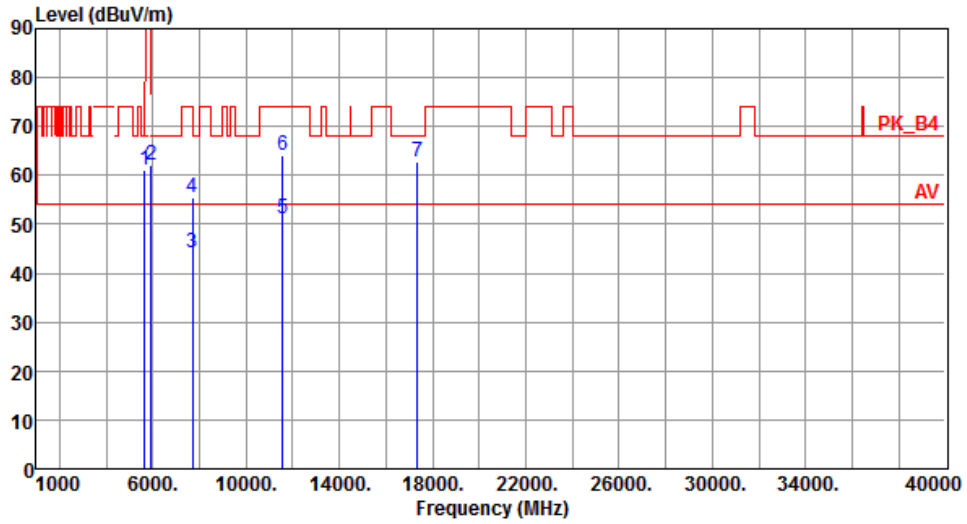
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.84 | 68.20 | -7.36 | 56.30 | 4.54 | Peak | 303 | 269 |
| 2 | 5700.00 | 63.24 | 105.20 | -41.96 | 58.56 | 4.68 | Peak | 303 | 269 |
| 3 | 5720.00 | 77.00 | 110.80 | -33.80 | 72.27 | 4.73 | Peak | 303 | 269 |
| 4 | 5725.00 | 81.41 | 122.20 | -40.79 | 76.66 | 4.75 | Peak | 303 | 269 |
| 5 | 5925.00 | 61.82 | 68.20 | -6.38 | 56.54 | 5.28 | Peak | 303 | 269 |
| 6 | 11490.00 | 49.72 | 54.00 | -4.28 | 35.01 | 14.71 | Average | 100 | 55 |
| 7 | 11490.00 | 62.39 | 74.00 | -11.61 | 47.68 | 14.71 | Peak | 100 | 55 |
| 8 | 17235.00 | 62.16 | 68.20 | -6.04 | 44.63 | 17.53 | Peak | 100 | 30 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5785 |
| Polarization | Horizontal | | |



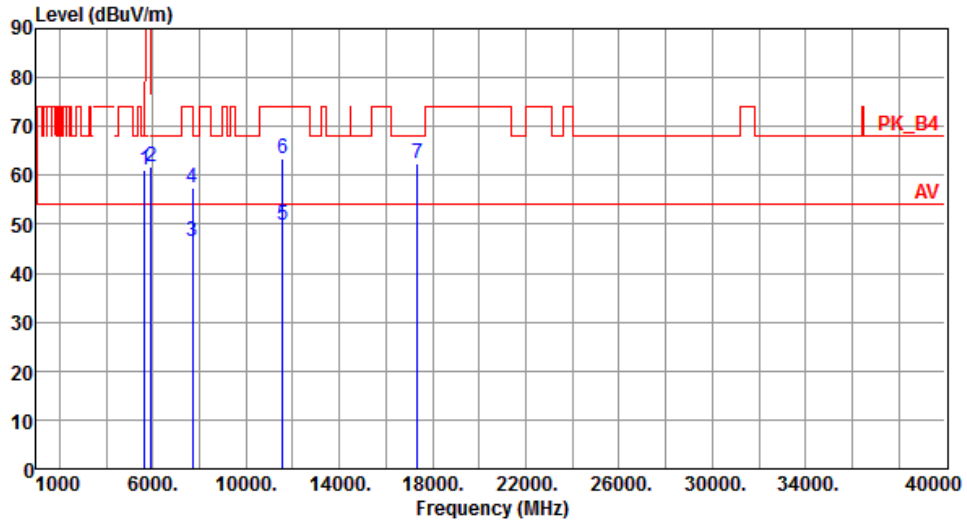
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 61.00 | 68.20 | -7.20 | 56.46 | 4.54 | Peak | 100 | 94 |
| 2 | 5925.00 | 62.15 | 68.20 | -6.05 | 56.87 | 5.28 | Peak | 100 | 94 |
| 3 | 7713.33 | 44.06 | 54.00 | -9.94 | 35.33 | 8.73 | Average | 100 | 139 |
| 4 | 7713.33 | 55.32 | 74.00 | -18.68 | 46.59 | 8.73 | Peak | 100 | 139 |
| 5 | 11570.00 | 51.02 | 54.00 | -2.98 | 36.49 | 14.53 | Average | 100 | 146 |
| 6 | 11570.00 | 64.07 | 74.00 | -9.93 | 49.54 | 14.53 | Peak | 100 | 146 |
| 7 | 17355.00 | 62.79 | 68.20 | -5.41 | 44.84 | 17.95 | Peak | 100 | 30 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5785 |
| Polarization | Vertical | | |



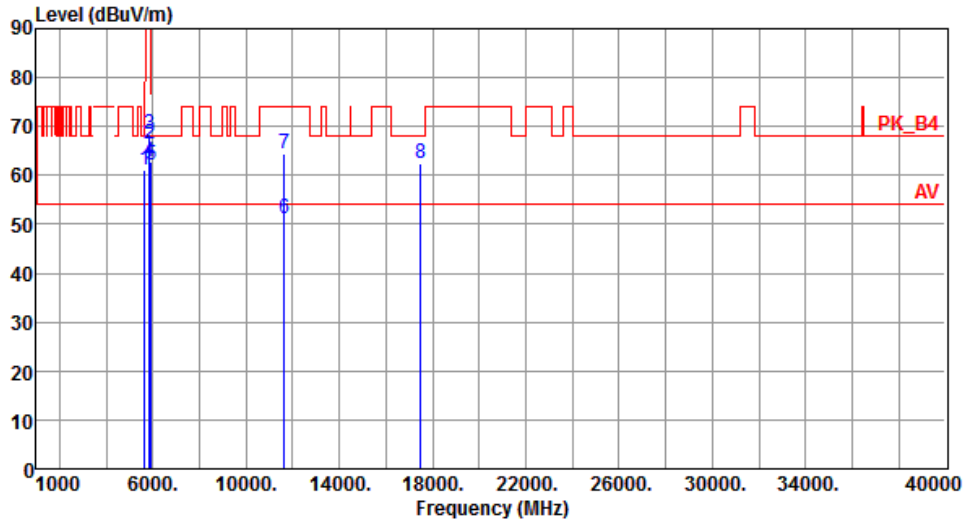
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.95 | 68.20 | -7.25 | 56.41 | 4.54 | Peak | 303 | 266 |
| 2 | 5925.00 | 61.89 | 68.20 | -6.31 | 56.61 | 5.28 | Peak | 303 | 266 |
| 3 | 7713.33 | 46.62 | 54.00 | -7.38 | 37.89 | 8.73 | Average | 100 | 94 |
| 4 | 7713.33 | 57.47 | 74.00 | -16.53 | 48.74 | 8.73 | Peak | 100 | 94 |
| 5 | 11570.00 | 49.68 | 54.00 | -4.32 | 35.15 | 14.53 | Average | 100 | 60 |
| 6 | 11570.00 | 63.30 | 74.00 | -10.70 | 48.77 | 14.53 | Peak | 100 | 60 |
| 7 | 17355.00 | 62.59 | 68.20 | -5.61 | 44.64 | 17.95 | Peak | 100 | 20 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5825 |
| Polarization | Horizontal | | |



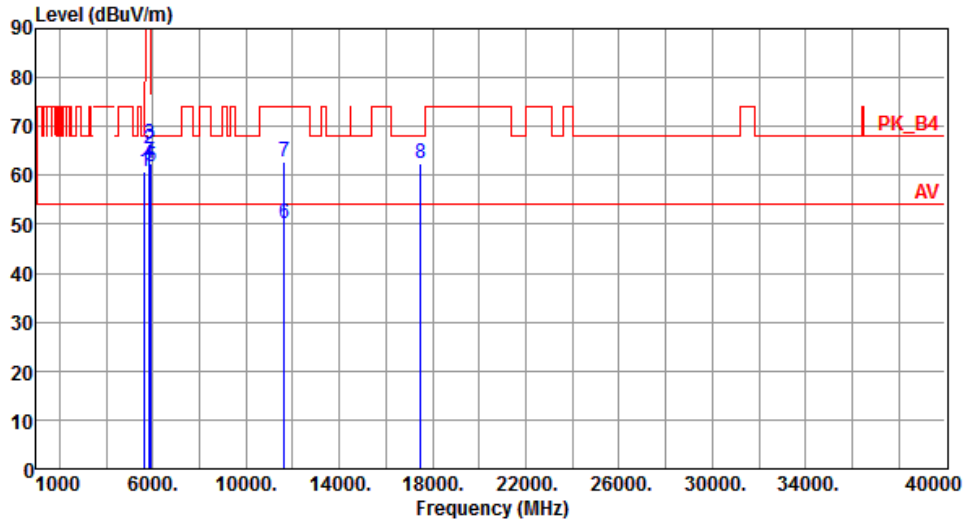
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 61.06 | 68.20 | -7.14 | 56.52 | 4.54 | Peak | 100 | 95 |
| 2 | 5850.00 | 66.33 | 122.20 | -55.87 | 61.18 | 5.15 | Peak | 100 | 95 |
| 3 | 5855.00 | 68.28 | 110.80 | -42.52 | 63.13 | 5.15 | Peak | 100 | 95 |
| 4 | 5875.00 | 62.74 | 105.20 | -42.46 | 57.55 | 5.19 | Peak | 100 | 95 |
| 5 | 5925.00 | 62.12 | 68.20 | -6.08 | 56.84 | 5.28 | Peak | 100 | 95 |
| 6 | 11650.00 | 51.26 | 54.00 | -2.74 | 37.05 | 14.21 | Average | 100 | 146 |
| 7 | 11650.00 | 64.37 | 74.00 | -9.63 | 50.16 | 14.21 | Peak | 100 | 146 |
| 8 | 17475.00 | 62.36 | 68.20 | -5.84 | 44.08 | 18.28 | Peak | 100 | 20 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | 11a | Test Freq. (MHz) | 5825 |
| Polarization | Vertical | | |



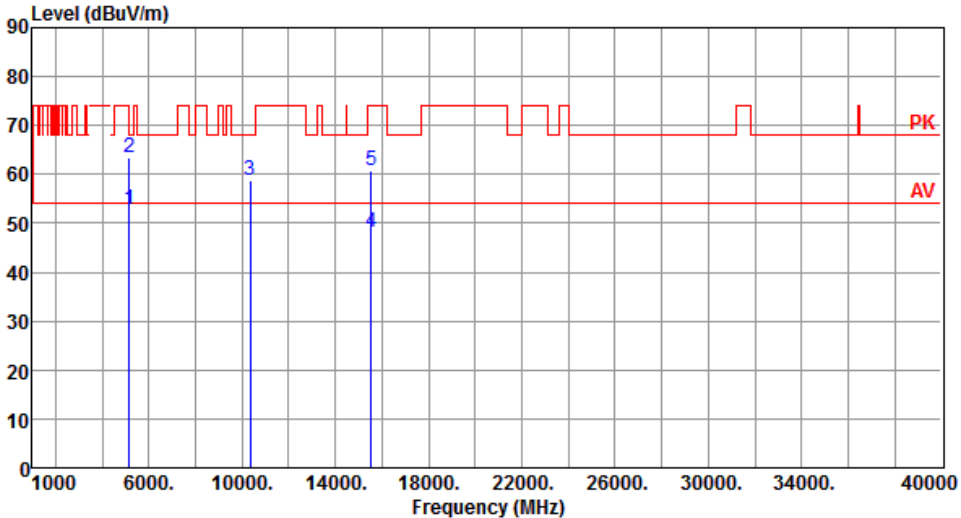
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.90 | 68.20 | -7.30 | 56.36 | 4.54 | Peak | 305 | 268 |
| 2 | 5850.00 | 65.58 | 122.20 | -56.62 | 60.43 | 5.15 | Peak | 305 | 268 |
| 3 | 5855.00 | 66.42 | 110.80 | -44.38 | 61.27 | 5.15 | Peak | 305 | 268 |
| 4 | 5875.00 | 62.29 | 105.20 | -42.91 | 57.10 | 5.19 | Peak | 305 | 268 |
| 5 | 5925.00 | 61.92 | 68.20 | -6.28 | 56.64 | 5.28 | Peak | 305 | 268 |
| 6 | 11650.00 | 50.13 | 54.00 | -3.87 | 35.92 | 14.21 | Average | 100 | 59 |
| 7 | 11650.00 | 62.73 | 74.00 | -11.27 | 48.52 | 14.21 | Peak | 100 | 59 |
| 8 | 17475.00 | 62.27 | 68.20 | -5.93 | 43.99 | 18.28 | Peak | 100 | 30 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

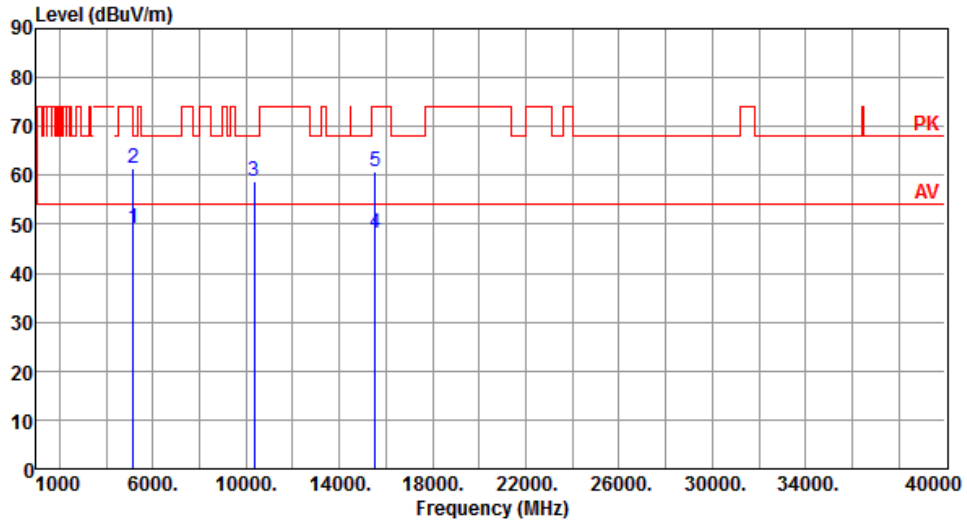
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.2.6 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT20

| Modulation | VHT20 | Test Freq. (MHz) | 5180 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|---|------------------|----------------|------------|--------|------------|----------|------------|----------|------------|-----|--------|--------|----|------|----|--|----|-----|---|---------|-------|-------|-------|-------|------|---------|-----|----|---|---------|-------|-------|--------|-------|------|------|-----|----|---|----------|-------|-------|-------|-------|-------|------|-----|----|---|----------|-------|-------|-------|-------|-------|---------|-----|----|---|----------|-------|-------|--------|-------|-------|------|-----|----|--|--|--|--|--|--|--|--|
| Polarization | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission level</th> <th>Limit</th> <th>Margin</th> <th>SA reading</th> <th>Factor</th> <th>Remark</th> <th>ANT High</th> <th>Turn Table</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB</th> <th></th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5150.00</td> <td>52.72</td> <td>54.00</td> <td>-1.28</td> <td>48.28</td> <td>4.44</td> <td>Average</td> <td>107</td> <td>90</td> </tr> <tr> <td>2</td> <td>5150.00</td> <td>63.53</td> <td>74.00</td> <td>-10.47</td> <td>59.09</td> <td>4.44</td> <td>Peak</td> <td>107</td> <td>90</td> </tr> <tr> <td>3</td> <td>10360.00</td> <td>58.81</td> <td>68.20</td> <td>-9.39</td> <td>44.52</td> <td>14.29</td> <td>Peak</td> <td>100</td> <td>30</td> </tr> <tr> <td>4</td> <td>15540.00</td> <td>48.18</td> <td>54.00</td> <td>-5.82</td> <td>33.63</td> <td>14.55</td> <td>Average</td> <td>100</td> <td>25</td> </tr> <tr> <td>5</td> <td>15540.00</td> <td>60.84</td> <td>74.00</td> <td>-13.16</td> <td>46.29</td> <td>14.55</td> <td>Peak</td> <td>100</td> <td>25</td> </tr> </tbody> </table> | Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | 1 | 5150.00 | 52.72 | 54.00 | -1.28 | 48.28 | 4.44 | Average | 107 | 90 | 2 | 5150.00 | 63.53 | 74.00 | -10.47 | 59.09 | 4.44 | Peak | 107 | 90 | 3 | 10360.00 | 58.81 | 68.20 | -9.39 | 44.52 | 14.29 | Peak | 100 | 30 | 4 | 15540.00 | 48.18 | 54.00 | -5.82 | 33.63 | 14.55 | Average | 100 | 25 | 5 | 15540.00 | 60.84 | 74.00 | -13.16 | 46.29 | 14.55 | Peak | 100 | 25 | | | | | | | | |
| Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 5150.00 | 52.72 | 54.00 | -1.28 | 48.28 | 4.44 | Average | 107 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 5150.00 | 63.53 | 74.00 | -10.47 | 59.09 | 4.44 | Peak | 107 | 90 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 10360.00 | 58.81 | 68.20 | -9.39 | 44.52 | 14.29 | Peak | 100 | 30 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 15540.00 | 48.18 | 54.00 | -5.82 | 33.63 | 14.55 | Average | 100 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 15540.00 | 60.84 | 74.00 | -13.16 | 46.29 | 14.55 | Peak | 100 | 25 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5180 |
| Polarization | Vertical | | |



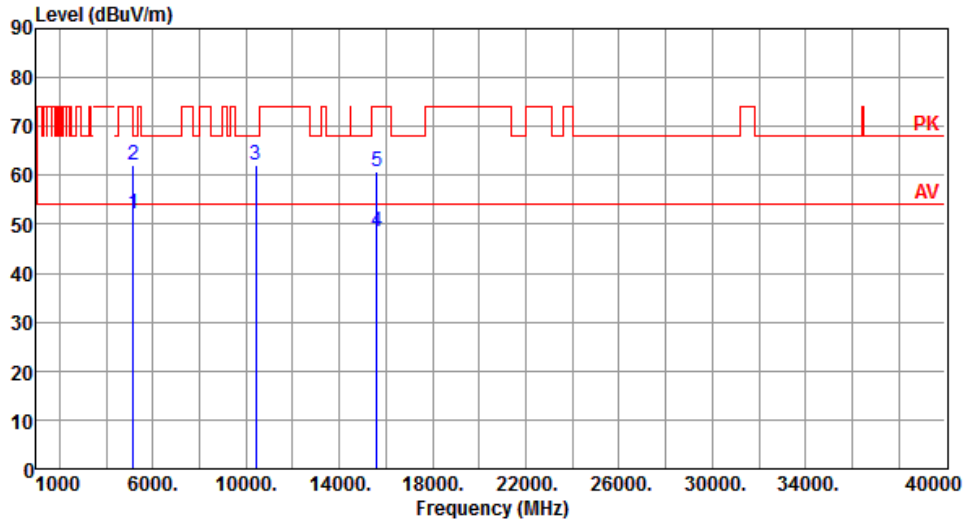
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 49.10 | 54.00 | -4.90 | 44.66 | 4.44 | Average | 303 | 206 |
| 2 | 5150.00 | 61.52 | 74.00 | -12.48 | 57.08 | 4.44 | Peak | 303 | 206 |
| 3 | 10360.00 | 58.86 | 68.20 | -9.34 | 44.57 | 14.29 | Peak | 100 | 10 |
| 4 | 15540.00 | 48.04 | 54.00 | -5.96 | 33.49 | 14.55 | Average | 100 | 40 |
| 5 | 15540.00 | 60.68 | 74.00 | -13.32 | 46.13 | 14.55 | Peak | 100 | 40 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5200 |
| Polarization | Horizontal | | |



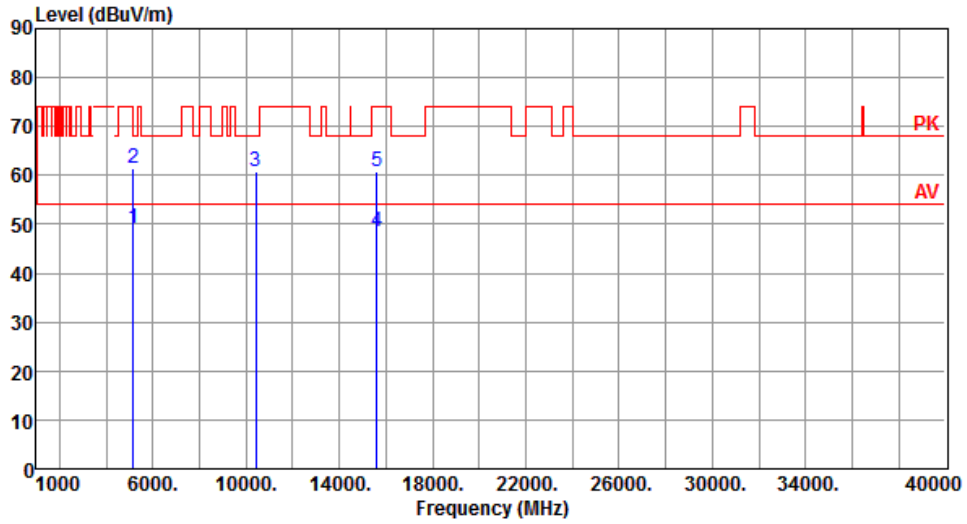
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 52.27 | 54.00 | -1.73 | 47.83 | 4.44 | Average | 100 | 92 |
| 2 | 5150.00 | 61.94 | 74.00 | -12.06 | 57.50 | 4.44 | Peak | 100 | 92 |
| 3 | 10400.00 | 62.00 | 68.20 | -6.20 | 47.60 | 14.40 | Peak | 332 | 351 |
| 4 | 15600.00 | 48.62 | 54.00 | -5.38 | 34.28 | 14.34 | Average | 100 | 40 |
| 5 | 15600.00 | 60.89 | 74.00 | -13.11 | 46.55 | 14.34 | Peak | 100 | 40 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5200 |
| Polarization | Vertical | | |



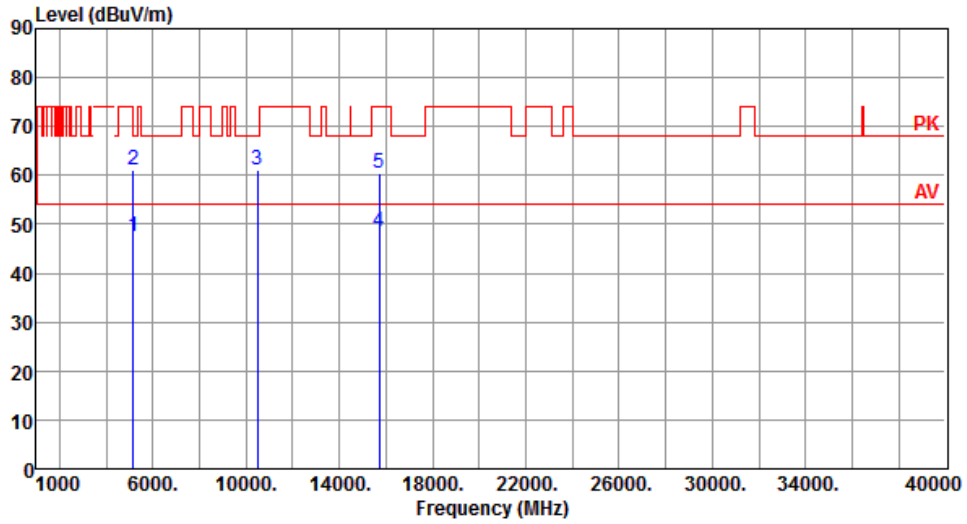
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 49.10 | 54.00 | -4.90 | 44.66 | 4.44 | Average | 306 | 202 |
| 2 | 5150.00 | 61.43 | 74.00 | -12.57 | 56.99 | 4.44 | Peak | 306 | 202 |
| 3 | 10400.00 | 60.84 | 68.20 | -7.36 | 46.44 | 14.40 | Peak | 100 | 39 |
| 4 | 15600.00 | 48.49 | 54.00 | -5.51 | 34.15 | 14.34 | Average | 100 | 30 |
| 5 | 15600.00 | 60.68 | 74.00 | -13.32 | 46.34 | 14.34 | Peak | 100 | 30 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5240 |
| Polarization | Horizontal | | |



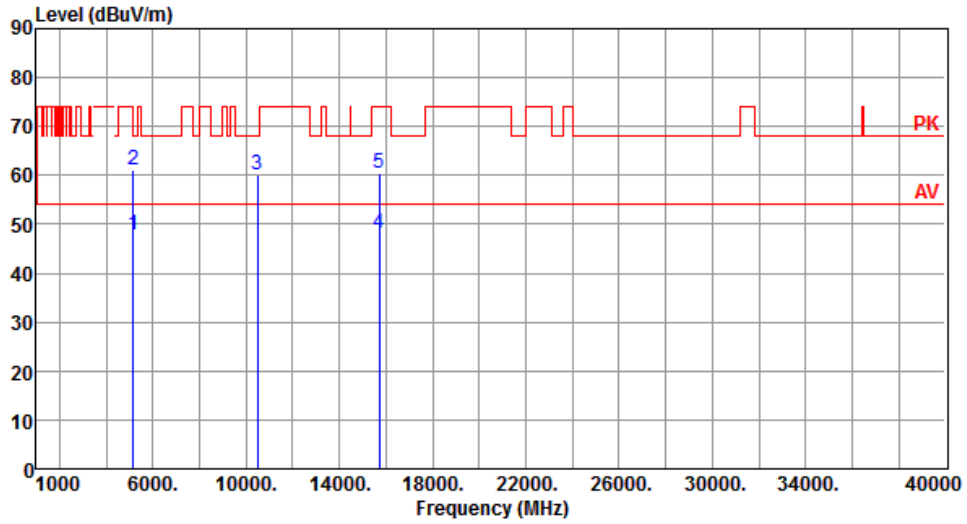
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 47.53 | 54.00 | -6.47 | 43.09 | 4.44 | Average | 100 | 92 |
| 2 | 5150.00 | 60.97 | 74.00 | -13.03 | 56.53 | 4.44 | Peak | 100 | 92 |
| 3 | 10480.00 | 61.11 | 68.20 | -7.09 | 46.71 | 14.40 | Peak | 333 | 349 |
| 4 | 15720.00 | 48.44 | 54.00 | -5.56 | 34.35 | 14.09 | Average | 100 | 40 |
| 5 | 15720.00 | 60.56 | 74.00 | -13.44 | 46.47 | 14.09 | Peak | 100 | 40 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5240 |
| Polarization | Vertical | | |



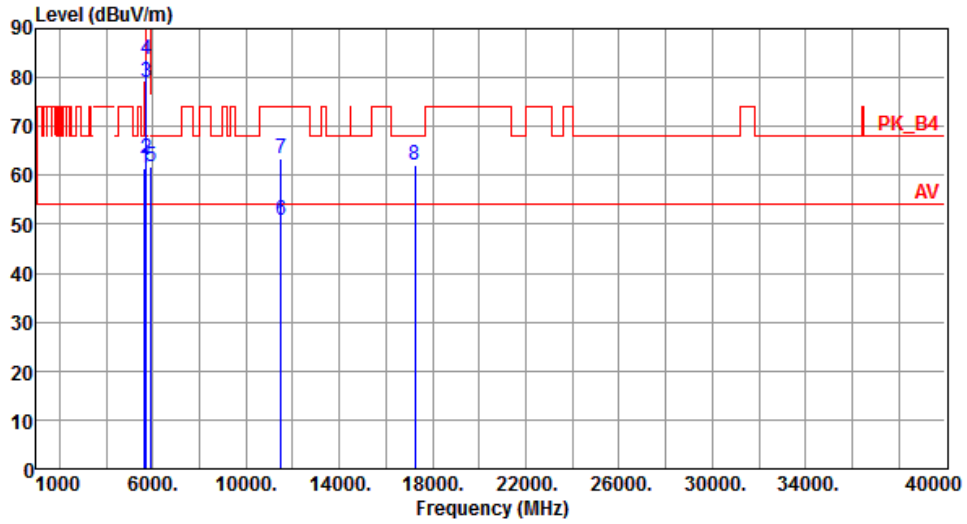
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 47.67 | 54.00 | -6.33 | 43.23 | 4.44 | Average | 303 | 206 |
| 2 | 5150.00 | 61.02 | 74.00 | -12.98 | 56.58 | 4.44 | Peak | 303 | 206 |
| 3 | 10480.00 | 59.97 | 68.20 | -8.23 | 45.57 | 14.40 | Peak | 100 | 34 |
| 4 | 15720.00 | 48.23 | 54.00 | -5.77 | 34.14 | 14.09 | Average | 100 | 20 |
| 5 | 15720.00 | 60.29 | 74.00 | -13.71 | 46.20 | 14.09 | Peak | 100 | 20 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5745 |
| Polarization | Horizontal | | |



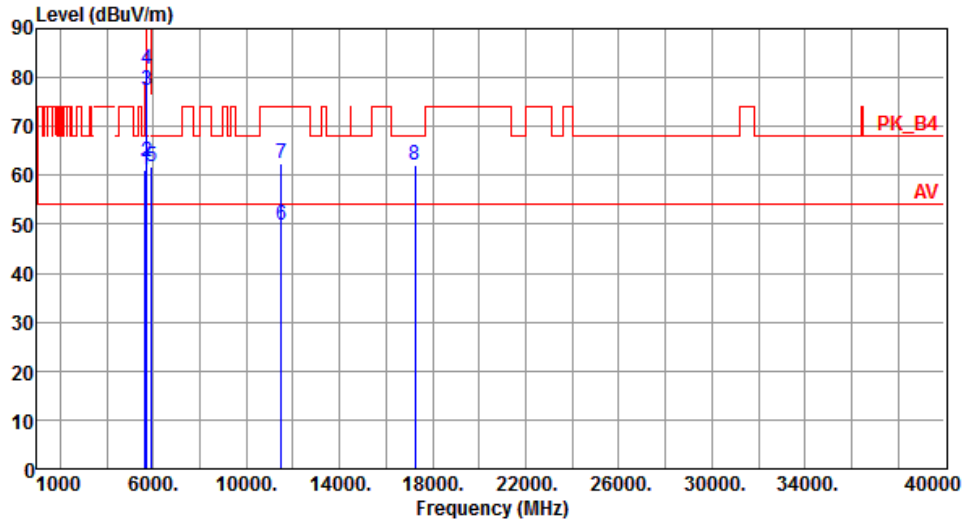
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 61.51 | 68.20 | -6.69 | 56.97 | 4.54 | Peak | 100 | 91 |
| 2 | 5700.00 | 63.49 | 105.20 | -41.71 | 58.81 | 4.68 | Peak | 100 | 91 |
| 3 | 5720.00 | 78.96 | 110.80 | -31.84 | 74.23 | 4.73 | Peak | 100 | 91 |
| 4 | 5725.00 | 83.68 | 122.20 | -38.52 | 78.93 | 4.75 | Peak | 100 | 91 |
| 5 | 5925.00 | 61.84 | 68.20 | -6.36 | 56.56 | 5.28 | Peak | 100 | 91 |
| 6 | 11490.00 | 50.72 | 54.00 | -3.28 | 36.01 | 14.71 | Average | 100 | 146 |
| 7 | 11490.00 | 63.40 | 74.00 | -10.60 | 48.69 | 14.71 | Peak | 100 | 146 |
| 8 | 17235.00 | 62.16 | 68.20 | -6.04 | 44.63 | 17.53 | Peak | 100 | 60 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5745 |
| Polarization | Vertical | | |



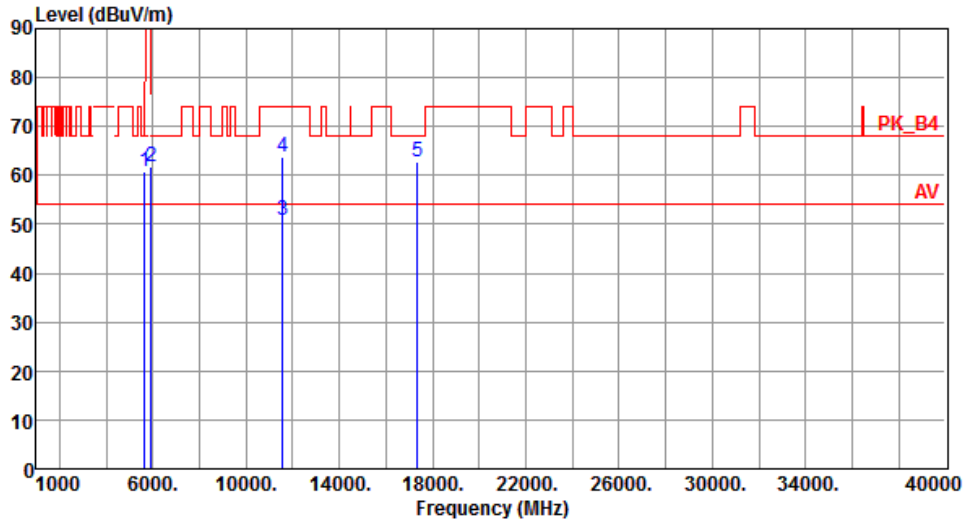
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 61.08 | 68.20 | -7.12 | 56.54 | 4.54 | Peak | 305 | 268 |
| 2 | 5700.00 | 62.82 | 105.20 | -42.38 | 58.14 | 4.68 | Peak | 305 | 268 |
| 3 | 5720.00 | 77.22 | 110.80 | -33.58 | 72.49 | 4.73 | Peak | 305 | 268 |
| 4 | 5725.00 | 81.59 | 122.20 | -40.61 | 76.84 | 4.75 | Peak | 305 | 268 |
| 5 | 5925.00 | 61.89 | 68.20 | -6.31 | 56.61 | 5.28 | Peak | 305 | 268 |
| 6 | 11490.00 | 49.77 | 54.00 | -4.23 | 35.06 | 14.71 | Average | 100 | 56 |
| 7 | 11490.00 | 62.55 | 74.00 | -11.45 | 47.84 | 14.71 | Peak | 100 | 56 |
| 8 | 17235.00 | 62.06 | 68.20 | -6.14 | 44.53 | 17.53 | Peak | 100 | 70 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5785 |
| Polarization | Horizontal | | |



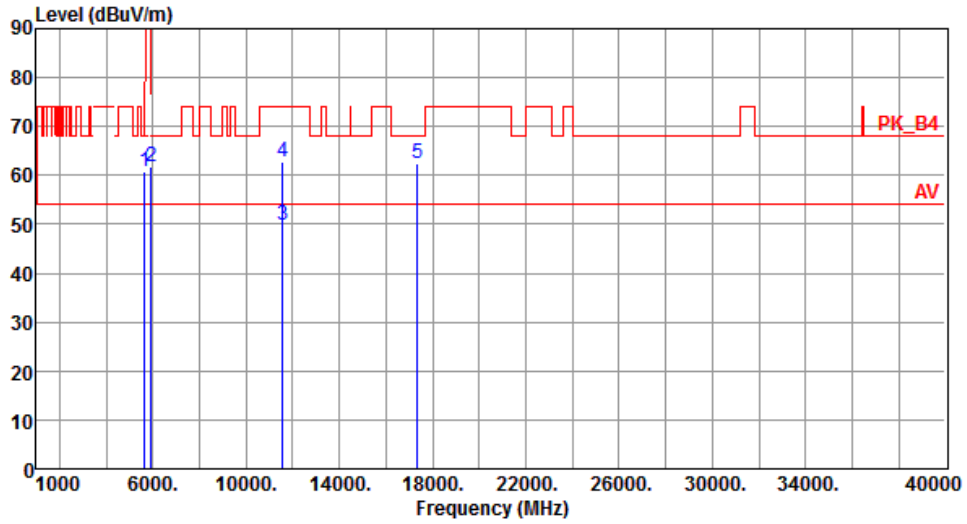
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.84 | 68.20 | -7.36 | 56.30 | 4.54 | Peak | 107 | 89 |
| 2 | 5925.00 | 61.89 | 68.20 | -6.31 | 56.61 | 5.28 | Peak | 107 | 89 |
| 3 | 11570.00 | 50.83 | 54.00 | -3.17 | 36.30 | 14.53 | Average | 100 | 143 |
| 4 | 11570.00 | 63.92 | 74.00 | -10.08 | 49.39 | 14.53 | Peak | 100 | 143 |
| 5 | 17355.00 | 62.64 | 68.20 | -5.56 | 44.69 | 17.95 | Peak | 100 | 50 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5785 |
| Polarization | Vertical | | |



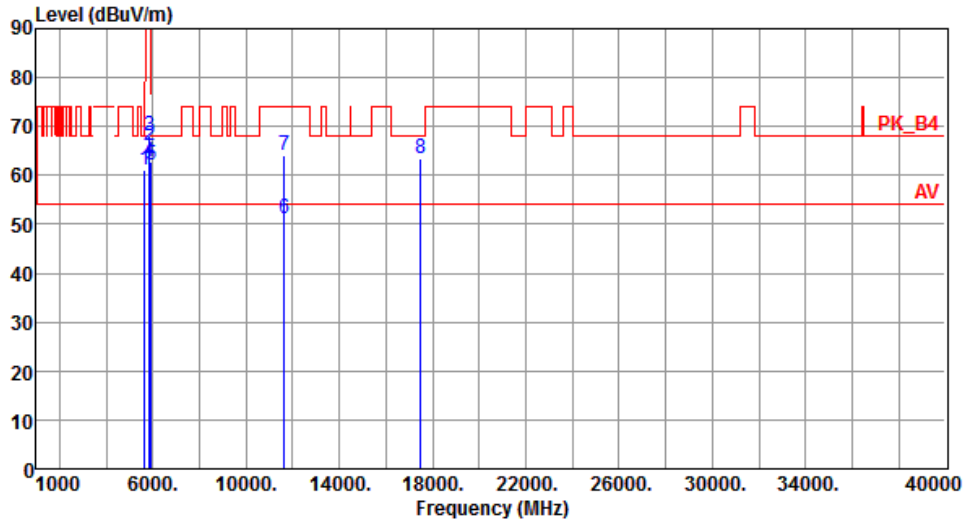
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.64 | 68.20 | -7.56 | 56.10 | 4.54 | Peak | 305 | 264 |
| 2 | 5925.00 | 61.79 | 68.20 | -6.41 | 56.51 | 5.28 | Peak | 305 | 264 |
| 3 | 11570.00 | 49.73 | 54.00 | -4.27 | 35.20 | 14.53 | Average | 100 | 54 |
| 4 | 11570.00 | 62.90 | 74.00 | -11.10 | 48.37 | 14.53 | Peak | 100 | 54 |
| 5 | 17355.00 | 62.48 | 68.20 | -5.72 | 44.53 | 17.95 | Peak | 100 | 40 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5825 |
| Polarization | Horizontal | | |



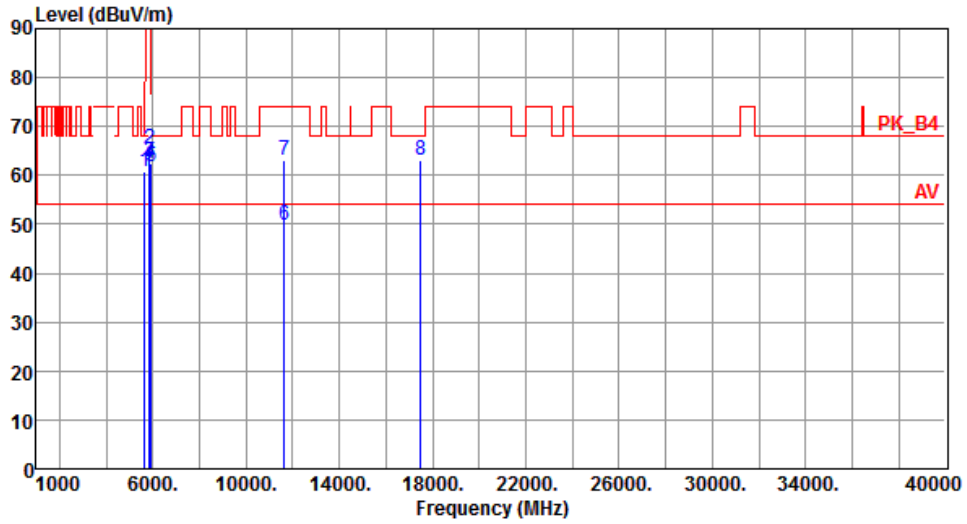
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.97 | 68.20 | -7.23 | 56.43 | 4.54 | Peak | 100 | 95 |
| 2 | 5850.00 | 66.24 | 122.20 | -55.96 | 61.09 | 5.15 | Peak | 100 | 95 |
| 3 | 5855.00 | 68.08 | 110.80 | -42.72 | 62.93 | 5.15 | Peak | 100 | 95 |
| 4 | 5875.00 | 62.78 | 105.20 | -42.42 | 57.59 | 5.19 | Peak | 100 | 95 |
| 5 | 5925.00 | 61.95 | 68.20 | -6.25 | 56.67 | 5.28 | Peak | 100 | 95 |
| 6 | 11650.00 | 50.99 | 54.00 | -3.01 | 36.78 | 14.21 | Average | 100 | 144 |
| 7 | 11650.00 | 63.99 | 74.00 | -10.01 | 49.78 | 14.21 | Peak | 100 | 144 |
| 8 | 17475.00 | 63.29 | 68.20 | -4.91 | 45.01 | 18.28 | Peak | 100 | 60 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT20 | Test Freq. (MHz) | 5825 |
| Polarization | Vertical | | |



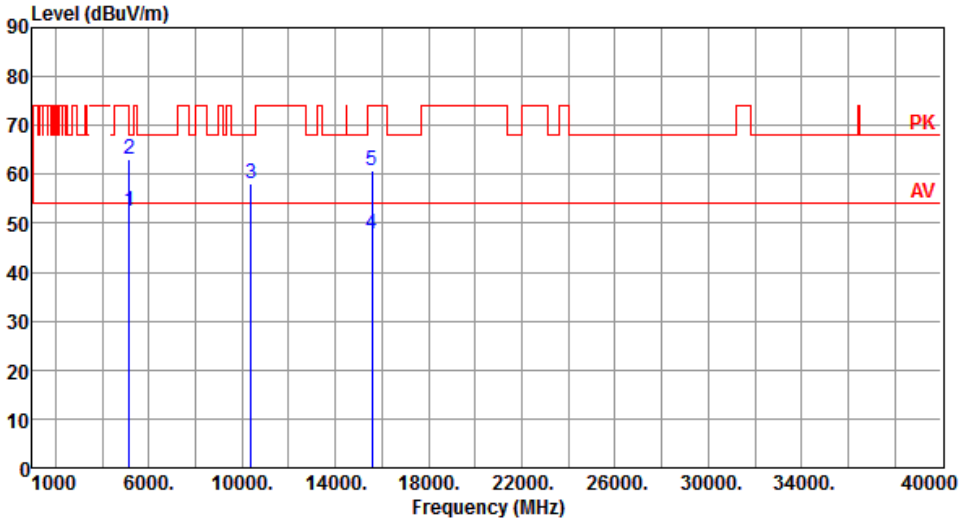
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.84 | 68.20 | -7.36 | 56.30 | 4.54 | Peak | 300 | 269 |
| 2 | 5850.00 | 65.38 | 122.20 | -56.82 | 60.23 | 5.15 | Peak | 300 | 269 |
| 3 | 5855.00 | 62.68 | 110.80 | -48.12 | 57.53 | 5.15 | Peak | 300 | 269 |
| 4 | 5875.00 | 62.49 | 105.20 | -42.71 | 57.30 | 5.19 | Peak | 300 | 269 |
| 5 | 5925.00 | 61.76 | 68.20 | -6.44 | 56.48 | 5.28 | Peak | 300 | 269 |
| 6 | 11650.00 | 49.94 | 54.00 | -4.06 | 35.73 | 14.21 | Average | 100 | 57 |
| 7 | 11650.00 | 62.97 | 74.00 | -11.03 | 48.76 | 14.21 | Peak | 100 | 57 |
| 8 | 17475.00 | 63.04 | 68.20 | -5.16 | 44.76 | 18.28 | Peak | 100 | 50 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.2.7 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT40

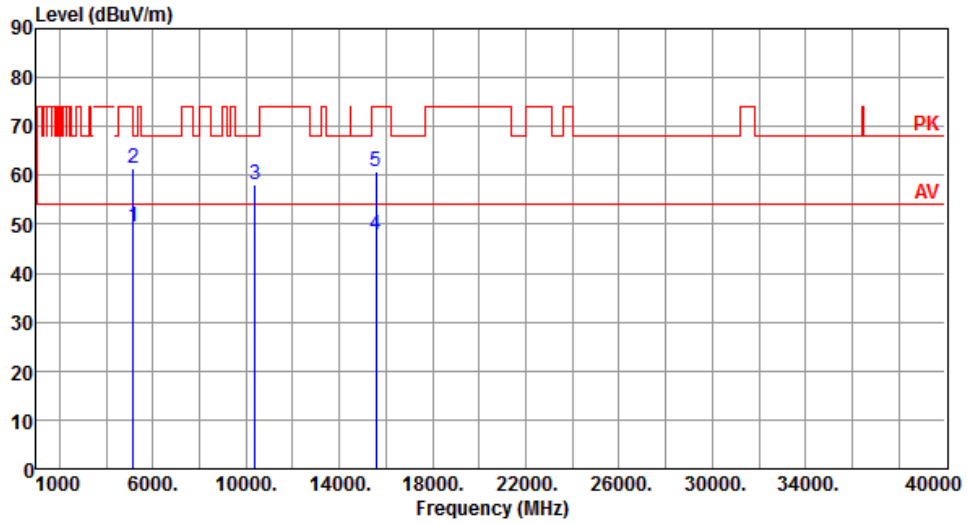
| Modulation | VHT40 | Test Freq. (MHz) | 5190 | | | | | | |
|---|------------|------------------|--------|--------|------------|--------|---------|----------|------------|
| Polarization | Horizontal | | | | | | | | |
|  | | | | | | | | | |
| | Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table |
| | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg |
| 1 | 5150.00 | 52.54 | 54.00 | -1.46 | 48.10 | 4.44 | Average | 100 | 95 |
| 2 | 5150.00 | 63.20 | 74.00 | -10.80 | 58.76 | 4.44 | Peak | 100 | 95 |
| 3 | 10380.00 | 58.03 | 68.20 | -10.17 | 43.69 | 14.34 | Peak | 100 | 20 |
| 4 | 15570.00 | 47.91 | 54.00 | -6.09 | 33.46 | 14.45 | Average | 100 | 30 |
| 5 | 15570.00 | 60.80 | 74.00 | -13.20 | 46.35 | 14.45 | Peak | 100 | 30 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5190 |
| Polarization | Vertical | | |



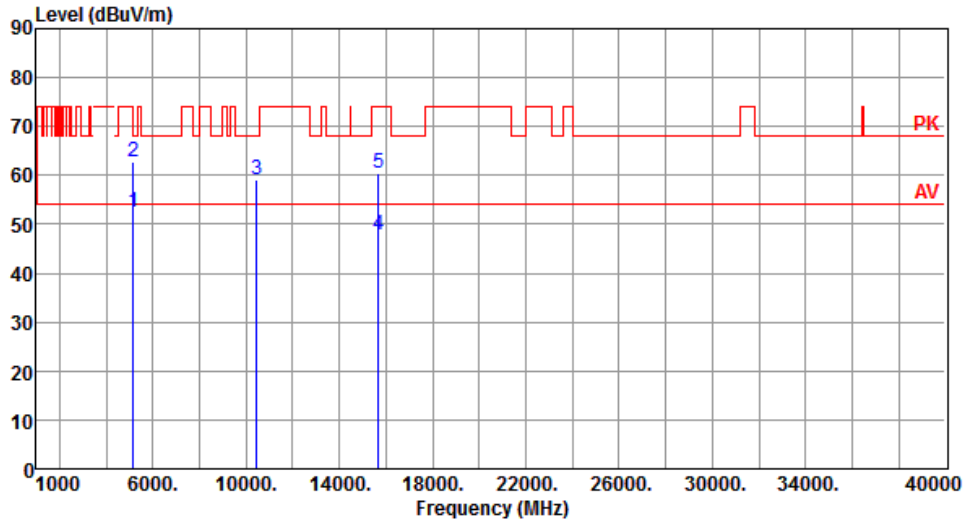
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 49.40 | 54.00 | -4.60 | 44.96 | 4.44 | Average | 306 | 205 |
| 2 | 5150.00 | 61.53 | 74.00 | -12.47 | 57.09 | 4.44 | Peak | 306 | 205 |
| 3 | 10380.00 | 58.09 | 68.20 | -10.11 | 43.75 | 14.34 | Peak | 100 | 30 |
| 4 | 15570.00 | 47.77 | 54.00 | -6.23 | 33.32 | 14.45 | Average | 100 | 40 |
| 5 | 15570.00 | 60.70 | 74.00 | -13.30 | 46.25 | 14.45 | Peak | 100 | 40 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5230 |
| Polarization | Horizontal | | |



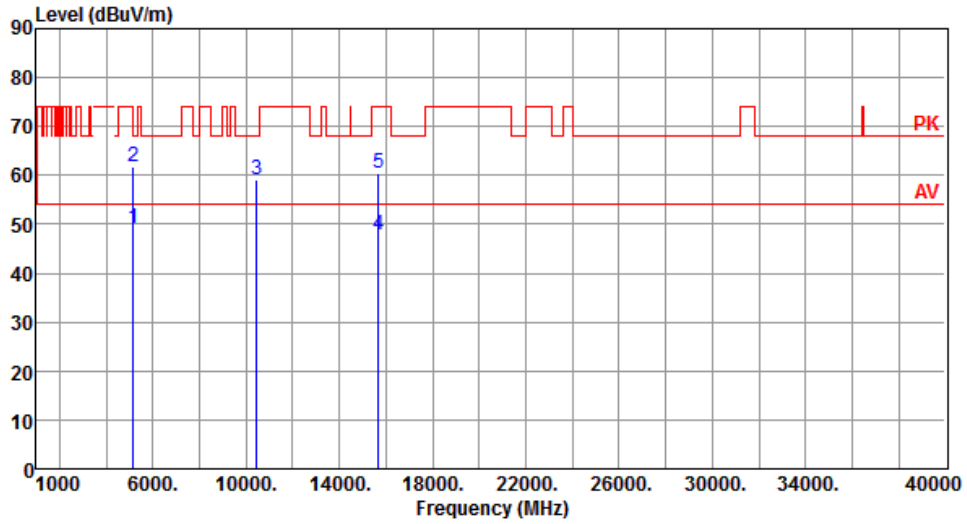
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 52.43 | 54.00 | -1.57 | 47.99 | 4.44 | Average | 100 | 95 |
| 2 | 5150.00 | 62.90 | 74.00 | -11.10 | 58.46 | 4.44 | Peak | 100 | 95 |
| 3 | 10460.00 | 59.07 | 68.20 | -9.13 | 44.67 | 14.40 | Peak | 100 | 40 |
| 4 | 15690.00 | 47.80 | 54.00 | -6.20 | 33.66 | 14.14 | Average | 100 | 30 |
| 5 | 15690.00 | 60.37 | 74.00 | -13.63 | 46.23 | 14.14 | Peak | 100 | 30 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5230 |
| Polarization | Vertical | | |



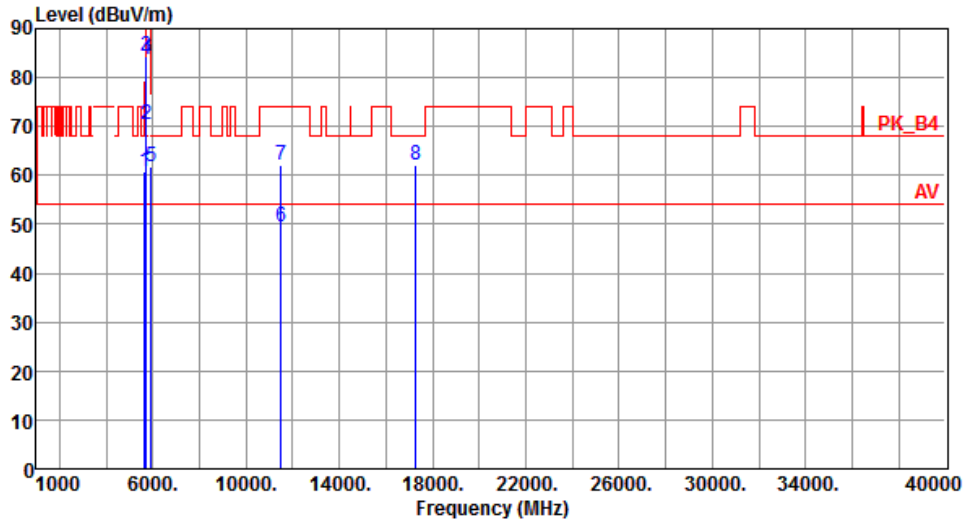
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 49.27 | 54.00 | -4.73 | 44.83 | 4.44 | Average | 300 | 203 |
| 2 | 5150.00 | 61.67 | 74.00 | -12.33 | 57.23 | 4.44 | Peak | 300 | 203 |
| 3 | 10460.00 | 59.02 | 68.20 | -9.18 | 44.62 | 14.40 | Peak | 100 | 60 |
| 4 | 15690.00 | 47.95 | 54.00 | -6.05 | 33.81 | 14.14 | Average | 100 | 20 |
| 5 | 15690.00 | 60.50 | 74.00 | -13.50 | 46.36 | 14.14 | Peak | 100 | 20 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5755 |
| Polarization | Horizontal | | |



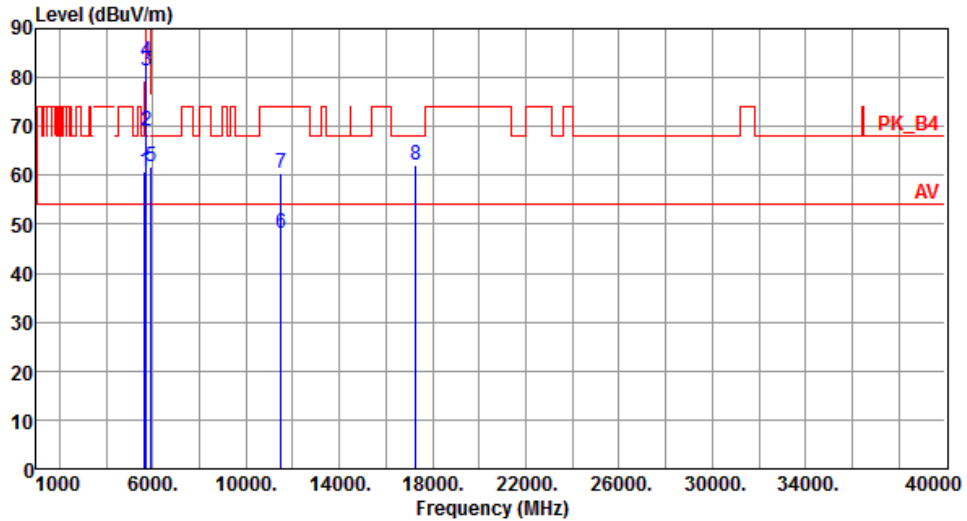
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.84 | 68.20 | -7.36 | 56.30 | 4.54 | Peak | 100 | 92 |
| 2 | 5700.00 | 70.29 | 105.20 | -34.91 | 65.61 | 4.68 | Peak | 100 | 92 |
| 3 | 5720.00 | 84.39 | 110.80 | -26.41 | 79.66 | 4.73 | Peak | 100 | 92 |
| 4 | 5725.00 | 83.64 | 122.20 | -38.56 | 78.89 | 4.75 | Peak | 100 | 92 |
| 5 | 5925.00 | 61.77 | 68.20 | -6.43 | 56.49 | 5.28 | Peak | 100 | 92 |
| 6 | 11510.00 | 49.40 | 54.00 | -4.60 | 34.70 | 14.70 | Average | 100 | 146 |
| 7 | 11510.00 | 62.23 | 74.00 | -11.77 | 47.53 | 14.70 | Peak | 100 | 146 |
| 8 | 17265.00 | 62.27 | 68.20 | -5.93 | 44.66 | 17.61 | Peak | 100 | 100 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5755 |
| Polarization | Vertical | | |



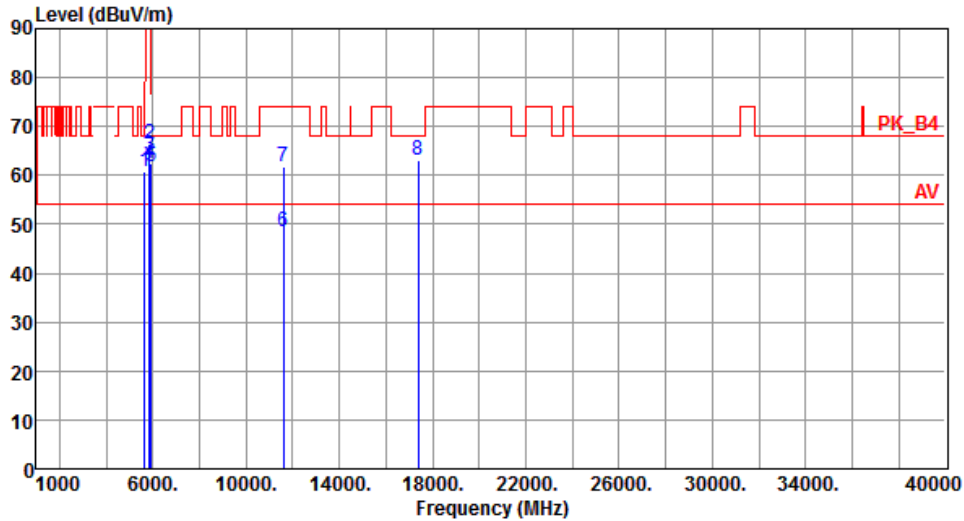
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.72 | 68.20 | -7.48 | 56.18 | 4.54 | Peak | 300 | 265 |
| 2 | 5700.00 | 69.15 | 105.20 | -36.05 | 64.47 | 4.68 | Peak | 300 | 265 |
| 3 | 5720.00 | 81.40 | 110.80 | -29.40 | 76.67 | 4.73 | Peak | 300 | 265 |
| 4 | 5725.00 | 83.20 | 122.20 | -39.00 | 78.45 | 4.75 | Peak | 300 | 265 |
| 5 | 5925.00 | 61.74 | 68.20 | -6.46 | 56.46 | 5.28 | Peak | 300 | 265 |
| 6 | 11510.00 | 48.08 | 54.00 | -5.92 | 33.38 | 14.70 | Average | 100 | 50 |
| 7 | 11510.00 | 60.41 | 74.00 | -13.59 | 45.71 | 14.70 | Peak | 100 | 50 |
| 8 | 17265.00 | 61.95 | 68.20 | -6.25 | 44.34 | 17.61 | Peak | 100 | 80 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5795 |
| Polarization | Horizontal | | |



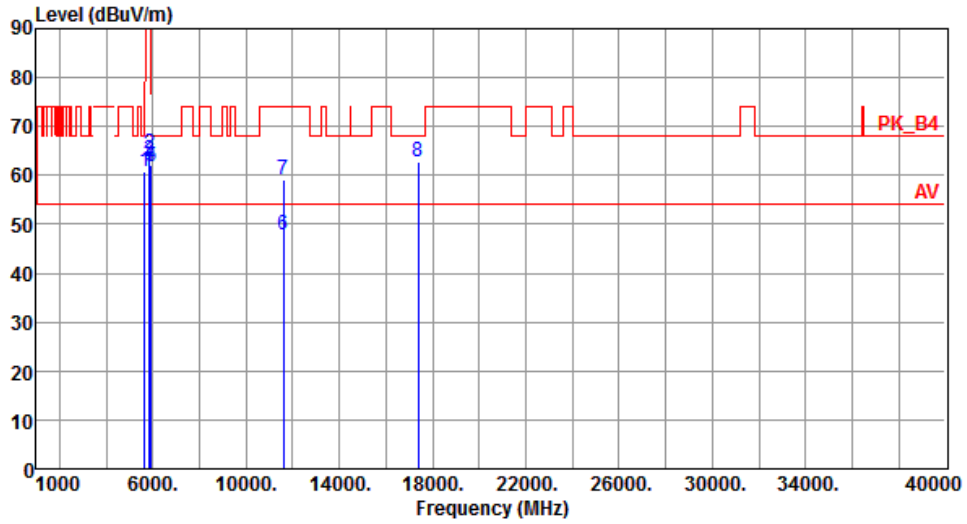
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.84 | 68.20 | -7.36 | 56.30 | 4.54 | Peak | 100 | 93 |
| 2 | 5850.00 | 66.42 | 122.20 | -55.78 | 61.27 | 5.15 | Peak | 100 | 93 |
| 3 | 5855.00 | 64.24 | 110.80 | -46.56 | 59.09 | 5.15 | Peak | 100 | 93 |
| 4 | 5875.00 | 62.29 | 105.20 | -42.91 | 57.10 | 5.19 | Peak | 100 | 93 |
| 5 | 5925.00 | 61.73 | 68.20 | -6.47 | 56.45 | 5.28 | Peak | 100 | 93 |
| 6 | 11590.00 | 48.46 | 54.00 | -5.54 | 33.99 | 14.47 | Average | 100 | 144 |
| 7 | 11590.00 | 61.91 | 74.00 | -12.09 | 47.44 | 14.47 | Peak | 100 | 144 |
| 8 | 17385.00 | 63.03 | 68.20 | -5.17 | 44.94 | 18.09 | Peak | 100 | 90 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT40 | Test Freq. (MHz) | 5795 |
| Polarization | Vertical | | |



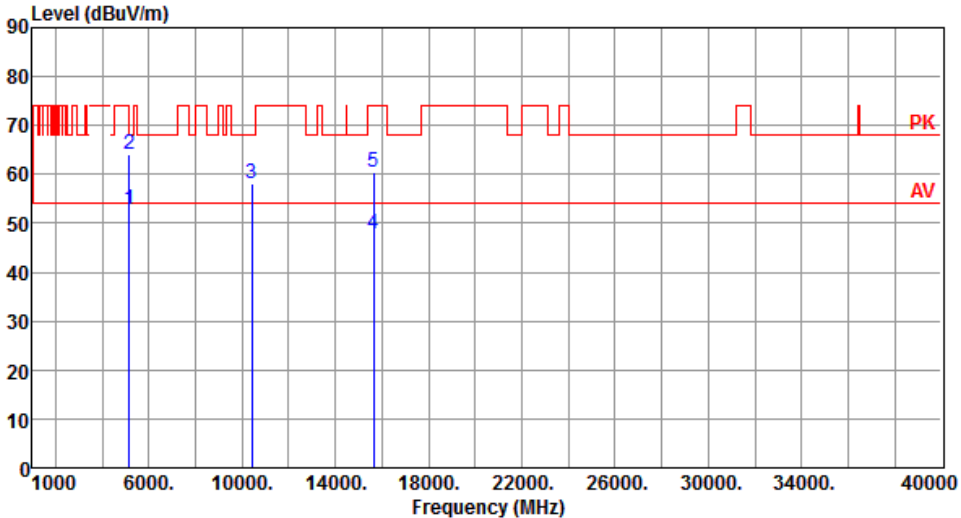
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.74 | 68.20 | -7.46 | 56.20 | 4.54 | Peak | 305 | 264 |
| 2 | 5850.00 | 64.33 | 122.20 | -57.87 | 59.18 | 5.15 | Peak | 305 | 264 |
| 3 | 5855.00 | 63.25 | 110.80 | -47.55 | 58.10 | 5.15 | Peak | 305 | 264 |
| 4 | 5875.00 | 62.19 | 105.20 | -43.01 | 57.00 | 5.19 | Peak | 305 | 264 |
| 5 | 5925.00 | 61.61 | 68.20 | -6.59 | 56.33 | 5.28 | Peak | 305 | 264 |
| 6 | 11590.00 | 47.87 | 54.00 | -6.13 | 33.40 | 14.47 | Average | 100 | 30 |
| 7 | 11590.00 | 59.22 | 74.00 | -14.78 | 44.75 | 14.47 | Peak | 100 | 30 |
| 8 | 17385.00 | 62.87 | 68.20 | -5.33 | 44.78 | 18.09 | Peak | 100 | 20 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

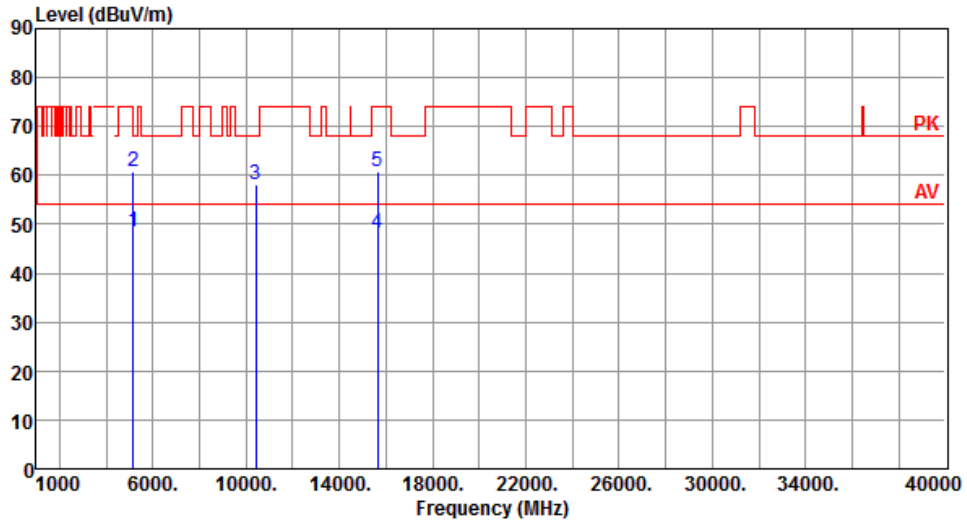
*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

3.2.8 Transmitter Radiated Unwanted Emissions (Above 1GHz) for VHT80

| Modulation | VHT80 | Test Freq. (MHz) | 5210 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|---|--|------------------|----------------|------------|--------|------------|----------|------------|----------|------------|-----|--------|--------|----|------|----|--|----|-----|---|---------|-------|-------|-------|-------|------|---------|-----|----|---|---------|-------|-------|-------|-------|------|------|-----|----|---|----------|-------|-------|-------|-------|-------|------|-----|----|---|----------|-------|-------|-------|-------|-------|---------|-----|----|---|----------|-------|-------|--------|-------|-------|------|-----|----|--|--|--|--|--|--|--|
| Polarization | Horizontal | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|  | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| | <table border="1"> <thead> <tr> <th>Freq.</th> <th>Emission level</th> <th>Limit</th> <th>Margin</th> <th>SA reading</th> <th>Factor</th> <th>Remark</th> <th>ANT High</th> <th>Turn Table</th> </tr> <tr> <th>MHz</th> <th>dBuV/m</th> <th>dBuV/m</th> <th>dB</th> <th>dBuV</th> <th>dB</th> <th></th> <th>cm</th> <th>deg</th> </tr> </thead> <tbody> <tr> <td>1</td> <td>5150.00</td> <td>52.68</td> <td>54.00</td> <td>-1.32</td> <td>48.24</td> <td>4.44</td> <td>Average</td> <td>110</td> <td>89</td> </tr> <tr> <td>2</td> <td>5150.00</td> <td>64.01</td> <td>74.00</td> <td>-9.99</td> <td>59.57</td> <td>4.44</td> <td>Peak</td> <td>110</td> <td>89</td> </tr> <tr> <td>3</td> <td>10420.00</td> <td>58.26</td> <td>68.20</td> <td>-9.94</td> <td>43.86</td> <td>14.40</td> <td>Peak</td> <td>100</td> <td>60</td> </tr> <tr> <td>4</td> <td>15630.00</td> <td>47.90</td> <td>54.00</td> <td>-6.10</td> <td>33.63</td> <td>14.27</td> <td>Average</td> <td>100</td> <td>70</td> </tr> <tr> <td>5</td> <td>15630.00</td> <td>60.46</td> <td>74.00</td> <td>-13.54</td> <td>46.19</td> <td>14.27</td> <td>Peak</td> <td>100</td> <td>70</td> </tr> </tbody> </table> | Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | 1 | 5150.00 | 52.68 | 54.00 | -1.32 | 48.24 | 4.44 | Average | 110 | 89 | 2 | 5150.00 | 64.01 | 74.00 | -9.99 | 59.57 | 4.44 | Peak | 110 | 89 | 3 | 10420.00 | 58.26 | 68.20 | -9.94 | 43.86 | 14.40 | Peak | 100 | 60 | 4 | 15630.00 | 47.90 | 54.00 | -6.10 | 33.63 | 14.27 | Average | 100 | 70 | 5 | 15630.00 | 60.46 | 74.00 | -13.54 | 46.19 | 14.27 | Peak | 100 | 70 | | | | | | | |
| Freq. | Emission level | Limit | Margin | SA reading | Factor | Remark | ANT High | Turn Table | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| MHz | dBuV/m | dBuV/m | dB | dBuV | dB | | cm | deg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | 5150.00 | 52.68 | 54.00 | -1.32 | 48.24 | 4.44 | Average | 110 | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 2 | 5150.00 | 64.01 | 74.00 | -9.99 | 59.57 | 4.44 | Peak | 110 | 89 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | 10420.00 | 58.26 | 68.20 | -9.94 | 43.86 | 14.40 | Peak | 100 | 60 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | 15630.00 | 47.90 | 54.00 | -6.10 | 33.63 | 14.27 | Average | 100 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 5 | 15630.00 | 60.46 | 74.00 | -13.54 | 46.19 | 14.27 | Peak | 100 | 70 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| <p>Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB) *Factor includes antenna factor , cable loss and amplifier gain Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).</p> | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5210 |
| Polarization | Vertical | | |



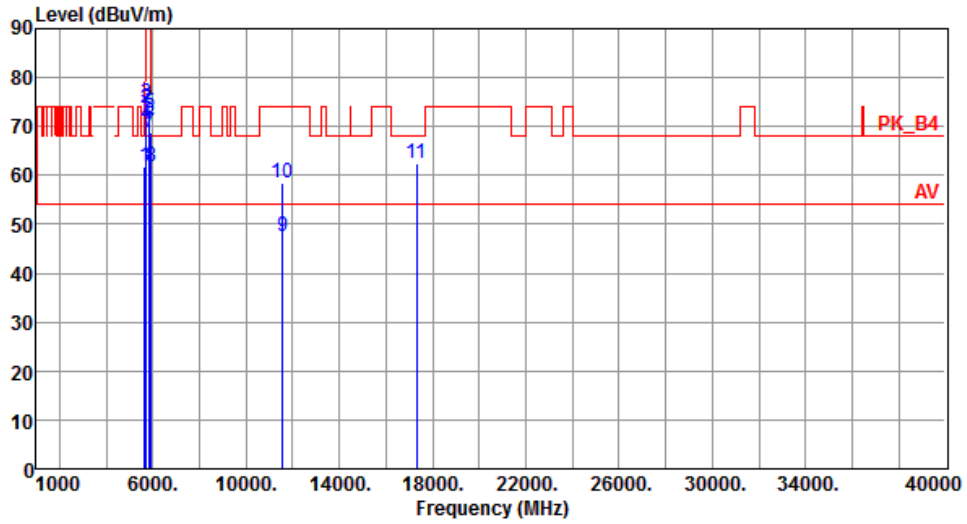
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|---|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5150.00 | 48.53 | 54.00 | -5.47 | 44.09 | 4.44 | Average | 309 | 264 |
| 2 | 5150.00 | 60.86 | 74.00 | -13.14 | 56.42 | 4.44 | Peak | 309 | 264 |
| 3 | 10420.00 | 58.26 | 68.20 | -9.94 | 43.86 | 14.40 | Peak | 100 | 80 |
| 4 | 15630.00 | 48.09 | 54.00 | -5.91 | 33.82 | 14.27 | Average | 100 | 50 |
| 5 | 15630.00 | 60.76 | 74.00 | -13.24 | 46.49 | 14.27 | Peak | 100 | 50 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|------------|-------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5775 |
| Polarization | Horizontal | | |



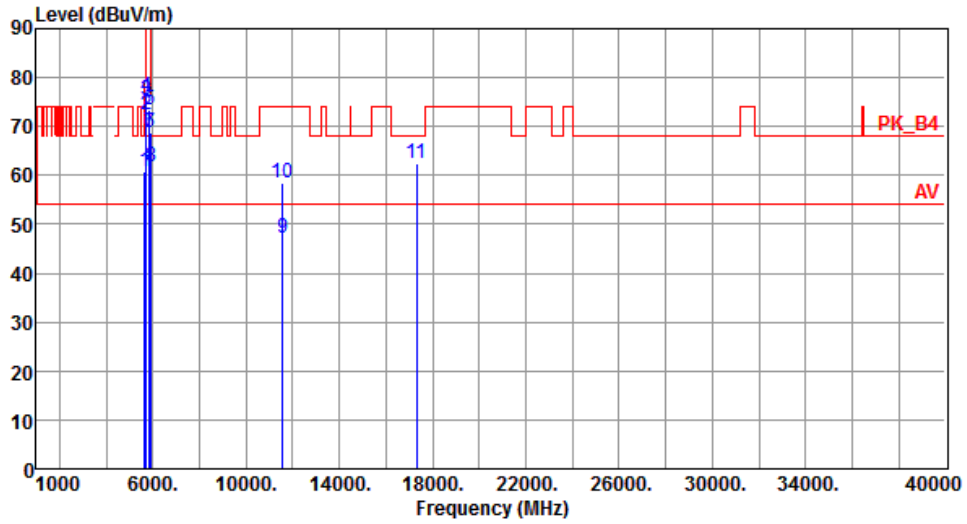
| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 61.65 | 68.20 | -6.55 | 57.11 | 4.54 | Peak | 100 | 96 |
| 2 | 5700.00 | 73.78 | 105.20 | -31.42 | 69.10 | 4.68 | Peak | 100 | 96 |
| 3 | 5720.00 | 74.81 | 110.80 | -35.99 | 70.08 | 4.73 | Peak | 100 | 96 |
| 4 | 5725.00 | 70.25 | 122.20 | -51.95 | 65.50 | 4.75 | Peak | 100 | 96 |
| 5 | 5850.00 | 72.68 | 122.20 | -49.52 | 67.53 | 5.15 | Peak | 100 | 96 |
| 6 | 5855.00 | 71.90 | 110.80 | -38.90 | 66.75 | 5.15 | Peak | 100 | 96 |
| 7 | 5875.00 | 68.85 | 105.20 | -36.35 | 63.66 | 5.19 | Peak | 100 | 96 |
| 8 | 5925.00 | 61.77 | 68.20 | -6.43 | 56.49 | 5.28 | Peak | 100 | 96 |
| 9 | 11550.00 | 47.41 | 54.00 | -6.59 | 32.83 | 14.58 | Average | 100 | 20 |
| 10 | 11550.00 | 58.34 | 74.00 | -15.66 | 43.76 | 14.58 | Peak | 100 | 20 |
| 11 | 17325.00 | 62.29 | 68.20 | -5.91 | 44.47 | 17.82 | Peak | 100 | 30 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

| | | | |
|---------------------|----------|-------------------------|------|
| Modulation | VHT80 | Test Freq. (MHz) | 5775 |
| Polarization | Vertical | | |



| | Freq. MHz | Emission level dBuV/m | Limit dBuV/m | Margin dB | SA reading dBuV | Factor dB | Remark | ANT High cm | Turn Table deg |
|----|--------------|-----------------------------|-----------------|--------------|-----------------------|--------------|---------|-------------------|----------------------|
| 1 | 5650.00 | 60.84 | 68.20 | -7.36 | 56.30 | 4.54 | Peak | 302 | 267 |
| 2 | 5700.00 | 72.42 | 105.20 | -32.78 | 67.74 | 4.68 | Peak | 302 | 267 |
| 3 | 5720.00 | 75.43 | 110.80 | -35.37 | 70.70 | 4.73 | Peak | 302 | 267 |
| 4 | 5725.00 | 76.06 | 122.20 | -46.14 | 71.31 | 4.75 | Peak | 302 | 267 |
| 5 | 5850.00 | 73.50 | 122.20 | -48.70 | 68.35 | 5.15 | Peak | 302 | 267 |
| 6 | 5855.00 | 68.69 | 110.80 | -42.11 | 63.54 | 5.15 | Peak | 302 | 267 |
| 7 | 5875.00 | 68.70 | 105.20 | -36.50 | 63.51 | 5.19 | Peak | 302 | 267 |
| 8 | 5925.00 | 61.74 | 68.20 | -6.46 | 56.46 | 5.28 | Peak | 302 | 267 |
| 9 | 11550.00 | 47.24 | 54.00 | -6.76 | 32.66 | 14.58 | Average | 100 | 20 |
| 10 | 11550.00 | 58.33 | 74.00 | -15.67 | 43.75 | 14.58 | Peak | 100 | 20 |
| 11 | 17325.00 | 62.38 | 68.20 | -5.82 | 44.56 | 17.82 | Peak | 100 | 60 |

Note 1: Emission Level (dBuV/m) = SA Reading (dBuV/m) + Factor* (dB)

*Factor includes antenna factor , cable loss and amplifier gain

Note 2: Margin (dB) = Emission level (dBuV/m) – Limit (dBuV/m).

4 Test laboratory information

Established in 2012, ICC provides foremost EMC & RF Testing and advisory consultation services by our skilled engineers and technicians. Our services employ a wide variety of advanced edge test equipment and one of the widest certification extents in the business.

International Certification Corp (EMC and Wireless Communication Laboratory), it is our definitive objective is to institute long term, trust-based associations with our clients. The expectation we set up with our clients is based on outstanding service, practical expertise and devotion to a certified value structure. Our passion is to grant our clients with best EMC / RF services by oriented knowledgeable and accommodating staff.

Our Test sites are located at Linkou District and Kwei Shan District. Location map can be found on our website <http://www.icertifi.com.tw>.

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