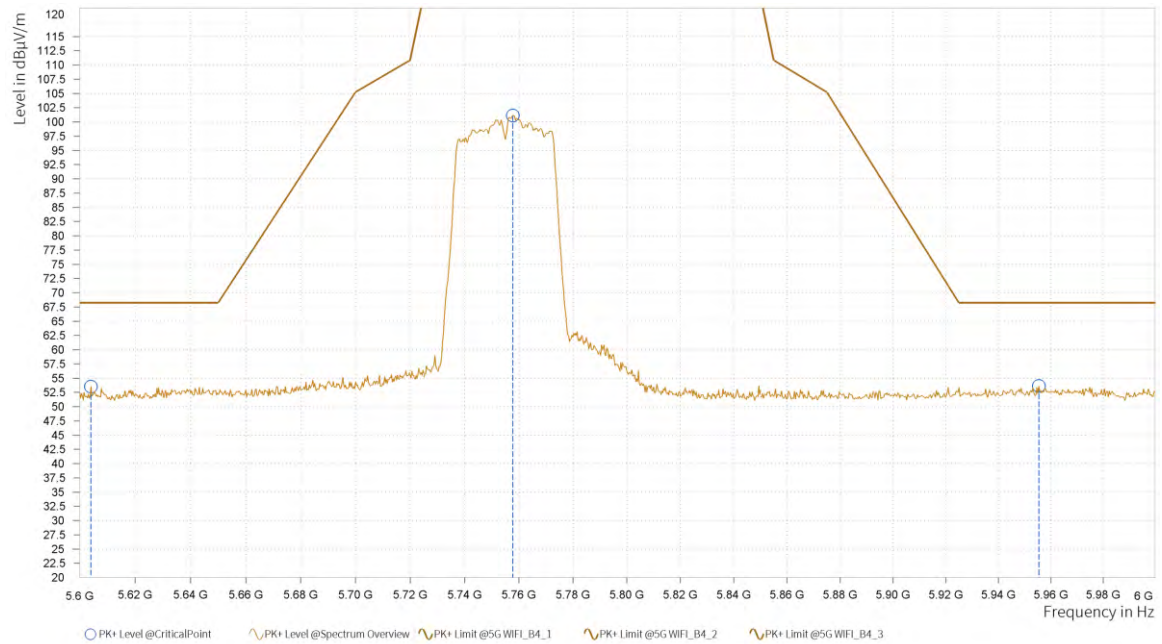




ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBμV/m] | PK+ Limit [dBμV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 10 | 5,604.063 | 53.55 | 68.2 | 14.65 | 16.25 | V | 154.3 | 2.0 |
| 11 | 5,757.810 | 101.14 | | | 16.98 | V | 50.5 | 1.0 |
| 12 | 5,955.375 | 53.62 | 68.2 | 14.58 | 16.41 | V | 261.1 | 2.0 |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value- Emission level.
2. 5755MHz: Fundamental frequency.



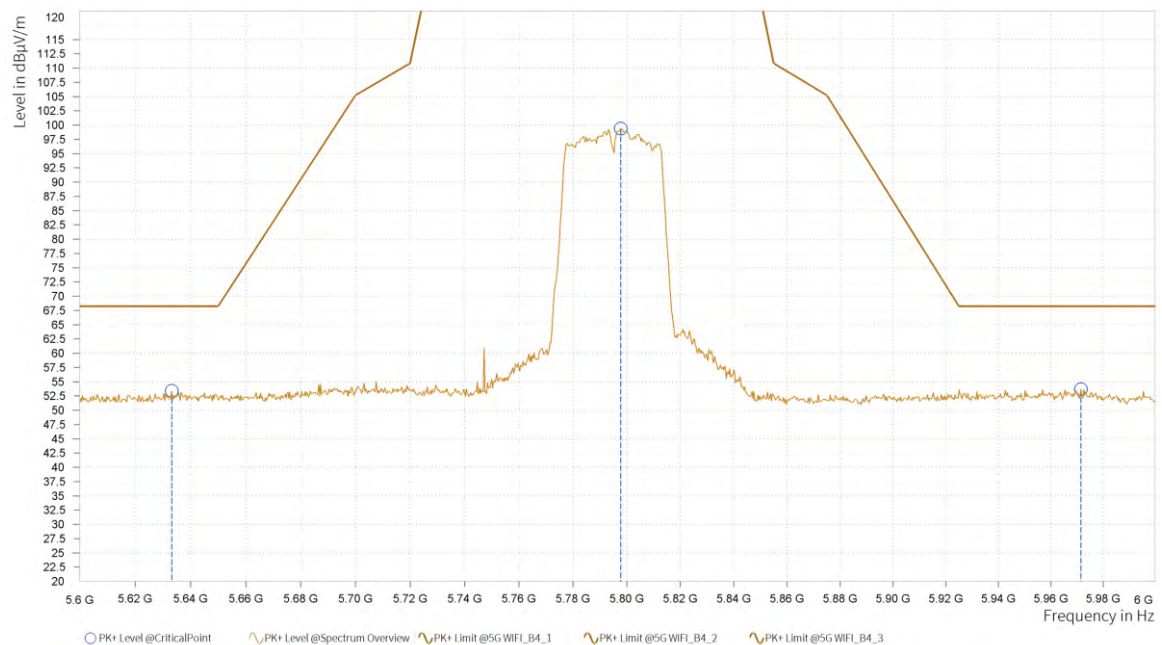
**BUREAU
VERITAS**

Test Report No.: PSU-NQN2406210109RF09

| | | | |
|------------------------|----------------|--------------------------|--------------|
| CHANNEL | TX Channel 159 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 40GHz | | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

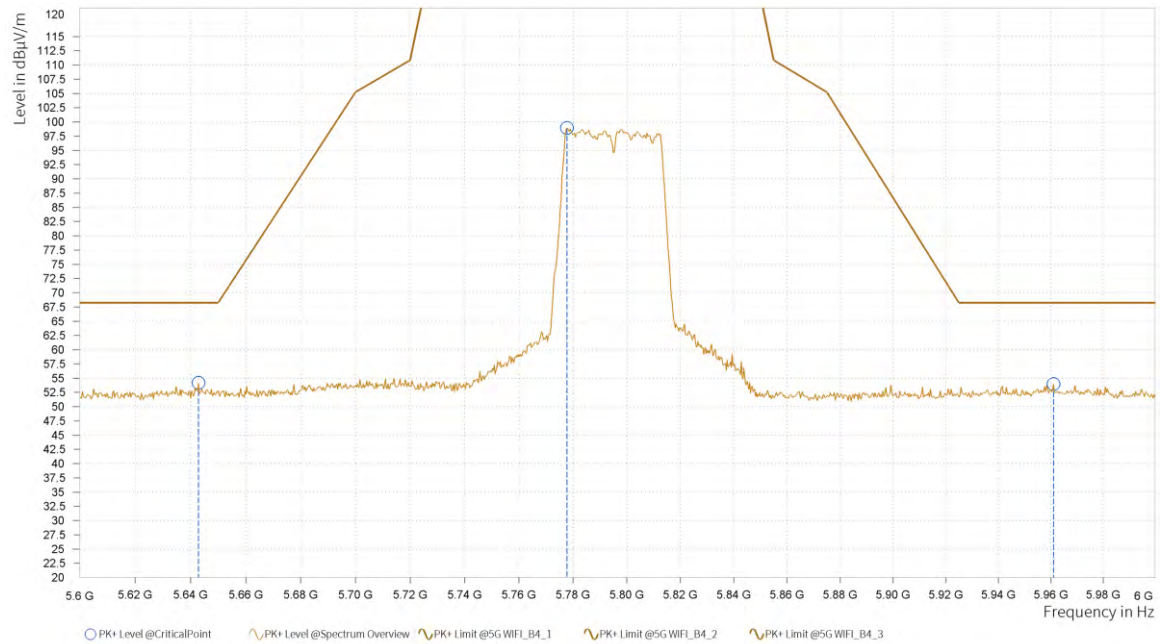
| Rg | Frequency [MHz] | PK+ Level [dBμV/m] | PK+ Limit [dBμV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 10 | 5,633.125 | 53.39 | 68.2 | 14.81 | 16.44 | H | 355.6 | 2.0 |
| 11 | 5,797.813 | 99.36 | | | 16.41 | H | 311.4 | 2.0 |
| 12 | 5,971.500 | 53.68 | 68.2 | 14.52 | 16.42 | H | 0.9 | 2.0 |





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBμV/m] | PK+ Limit [dBμV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 10 | 5,642.813 | 54.17 | 68.2 | 14.03 | 16.54 | V | 323.4 | 1.0 |
| 11 | 5,777.813 | 98.94 | | | 16.69 | V | 267.2 | 1.0 |
| 12 | 5,961.000 | 53.97 | 68.2 | 14.23 | 16.45 | V | 359.1 | 1.0 |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value- Emission level.
2. 5795MHz: Fundamental frequency.



**BUREAU
VERITAS**

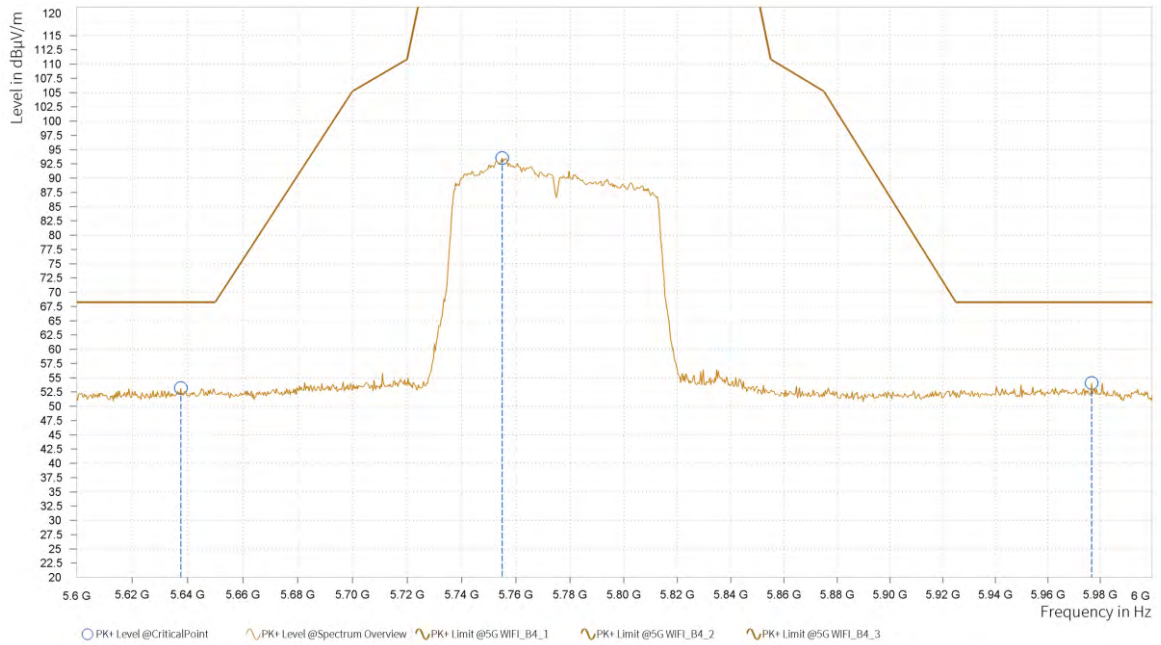
Test Report No.: PSU-NQN2406210109RF09

802.11ac (80MHz)

| | | | |
|------------------------|----------------|--------------------------|--------------|
| CHANNEL | TX Channel 155 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 40GHz | | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

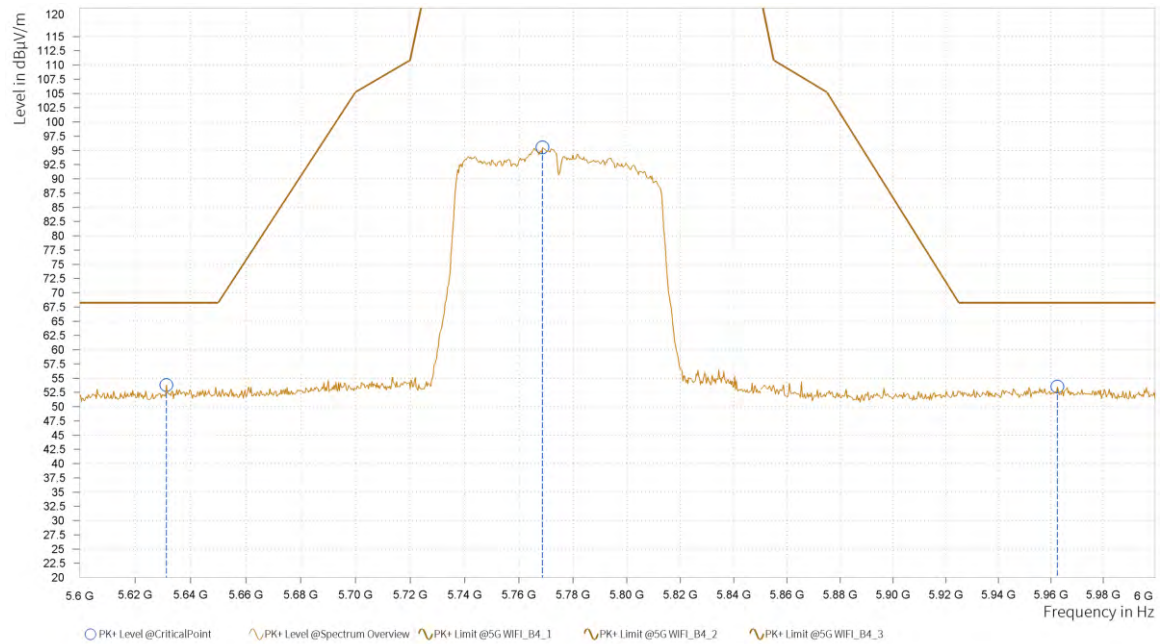
| Rg | Frequency [MHz] | PK+ Level [dBμV/m] | PK+ Limit [dBμV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 5 | 5,637.500 | 53.16 | 68.2 | 15.04 | 16.49 | H | 137.0 | 2.0 |
| 6 | 5,755.000 | 93.55 | | | 17.02 | H | 275.7 | 1.0 |
| 7 | 5,976.750 | 54.05 | 68.2 | 14.15 | 16.4 | H | 183.7 | 2.0 |





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBμV/m] | PK+ Limit [dBμV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 5 | 5,631.250 | 53.82 | 68.2 | 14.38 | 16.42 | V | 98.8 | 2.0 |
| 6 | 5,768.750 | 95.52 | | | 16.82 | V | 165.8 | 1.0 |
| 7 | 5,962.500 | 53.5 | 68.2 | 14.7 | 16.45 | V | 359.1 | 1.0 |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value- Emission level.
2. 5775MHz: Fundamental frequency.



RADIATED EMISSION

BELOW 1GHz WORST-CASE DATA:

30 MHz – 1GHz data:

Band 4

802.11n (40MHz):

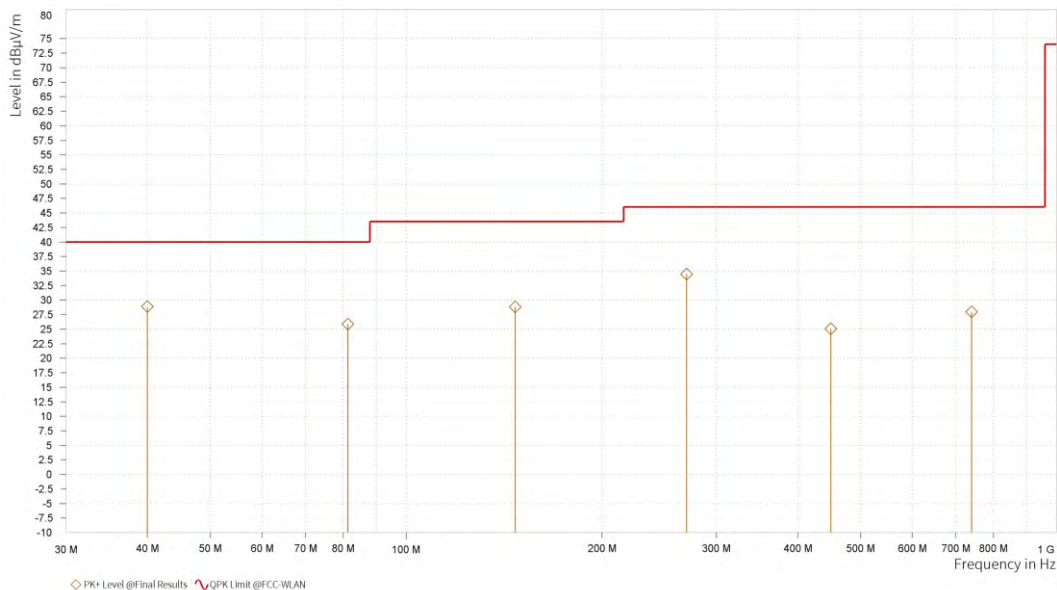
| | | | |
|-----------------|----------------|-------------------|-----------------|
| CHANNEL | TX Channel 151 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz | | |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+: QPK Limit [dBµV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|-------------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 1 | 39.991 | 28.86 | 40.0 | 11.14 | -12.73 | H | 359.1 | 1.0 |
| 1 | 81.362 | 25.86 | 40.0 | 14.14 | -17.58 | H | 88.1 | 2.0 |
| 1 | 147.079 | 28.81 | 43.5 | 14.69 | -16.65 | H | 88.1 | 2.0 |
| 1 | 269.833 | 34.46 | 46.0 | 11.54 | -11.66 | H | 131.0 | 1.0 |
| 1 | 449.962 | 25.06 | 46.0 | 20.94 | -9.45 | H | 354.2 | 2.0 |
| 1 | 740.234 | 27.96 | 46.0 | 18.04 | -3.76 | H | 358.7 | 1.0 |

REMARKS:

1. Emission level (dBµV/m) = Read level (dBµV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.





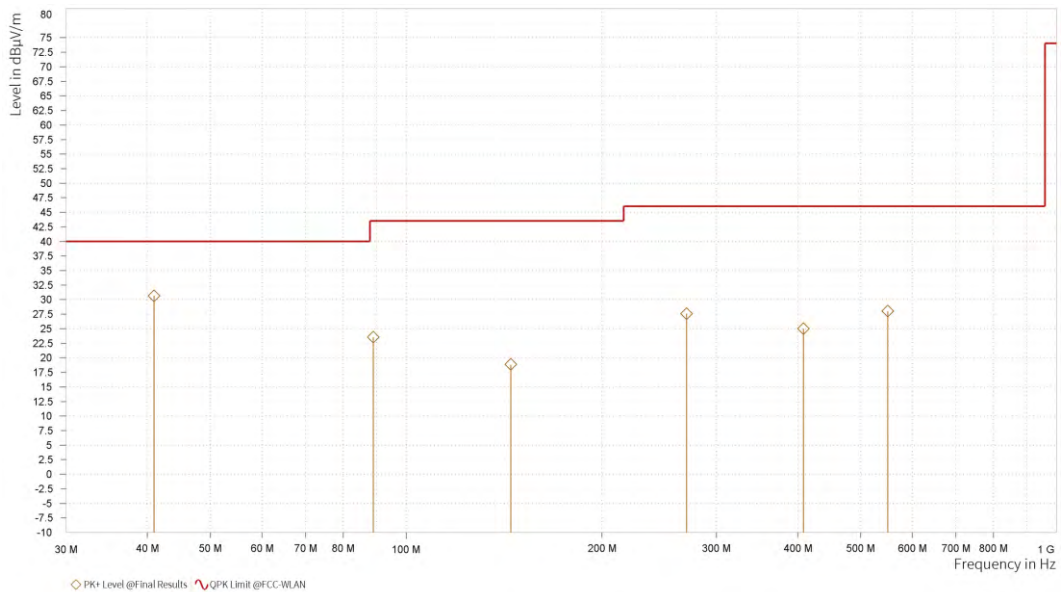
| | | | |
|------------------------|--------------|--------------------------|-----------------|
| CHANNEL | Channel 151 | DETECTOR FUNCTION | Quasi-Peak (QP) |
| FREQUENCY RANGE | 30MHz ~ 1GHz | | |

ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBμV/m] | PK+: QPK Limit [dBμV/m] | PK+ Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|-------------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 1 | 40.961 | 30.63 | 40.0 | 9.37 | -12.49 | V | 1.0 | 1.0 |
| 1 | 88.976 | 23.52 | 43.5 | 19.98 | -15.81 | V | 279.2 | 1.0 |
| 1 | 144.897 | 18.85 | 43.5 | 24.65 | -16.86 | V | 0.9 | 2.0 |
| 1 | 269.978 | 27.56 | 46.0 | 18.44 | -11.66 | V | 229.0 | 2.0 |
| 1 | 407.961 | 25.01 | 46.0 | 20.99 | -9.75 | V | 229.0 | 2.0 |
| 1 | 550.017 | 28.0 | 46.0 | 18.0 | -7.2 | V | 355.5 | 2.0 |

REMARKS:

1. Emission level (dBuV/m) = Read level (dBuV) + Correction Factor (dB/m).
2. Correction Factor (dB/m) = Antenna Factor (dB/m) + Cable Factor (dB).
3. The other emission levels were very low against the limit.
4. Margin value = Limit value- Emission level.





ABOVE 1GHz WORST-CASE DATA:

Note: For higher frequency, the emission is too low to be detected.

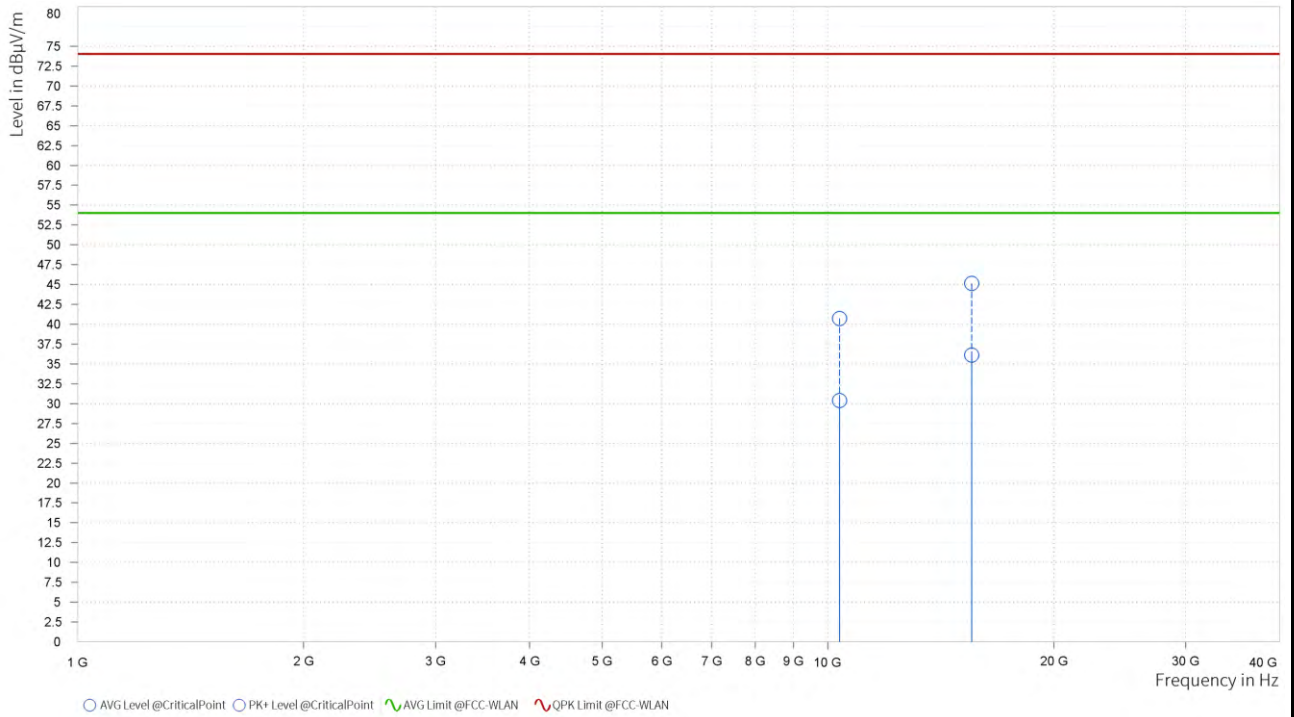
Band 1

802.11n (20MHz)

| | | | |
|------------------------|---------------|--------------------------|--------------|
| CHANNEL | TX Channel 36 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 40GHz | | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

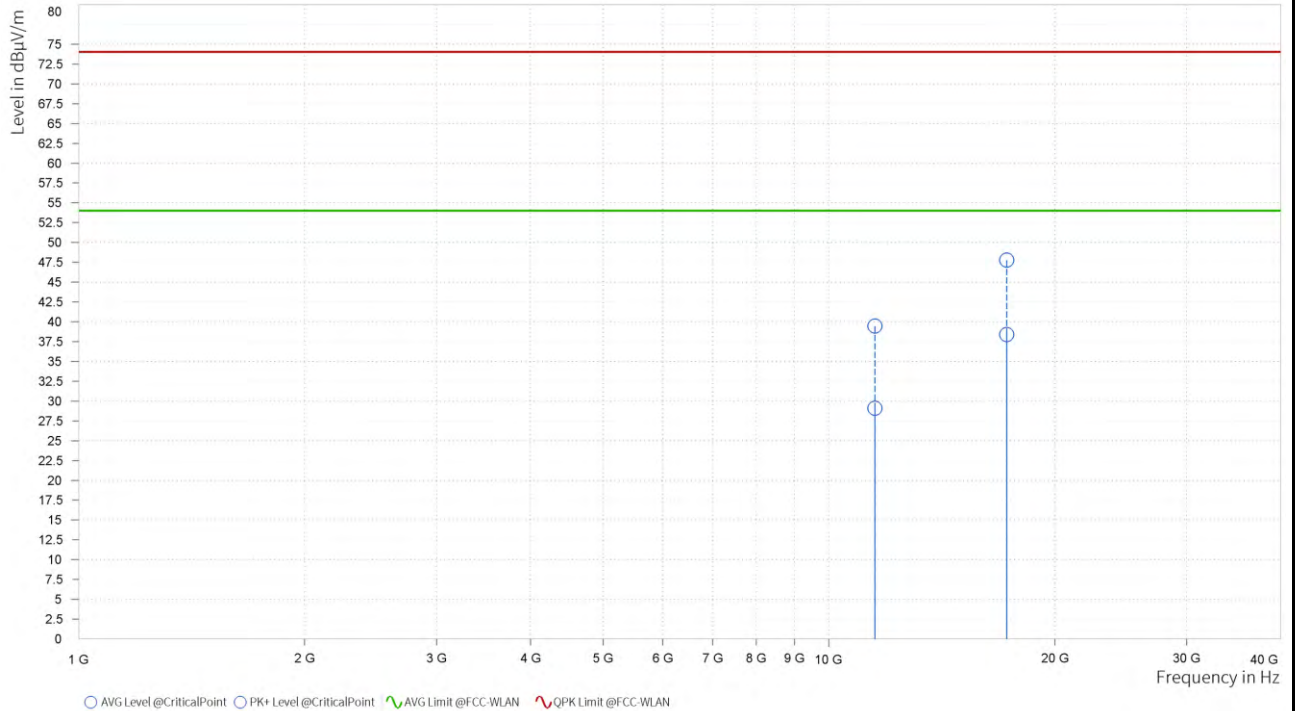
| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+: QPK Limit [dBµV/m] | PK+ Margin [dB] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|-------------------------|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 4 | 10,360.000 | 40.73 | 74.0 | 33.27 | 30.38 | 54.0 | 23.62 | 13.95 | H | 1 | 1.0 |
| 4 | 15,540.000 | 45.15 | 74.0 | 28.85 | 36.13 | 54.0 | 17.87 | 20.68 | H | 1 | 1.0 |





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+: QPK Limit [dBµV/m] | PK+ Margin [dB] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|-------------------------|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 4 | 11,510.000 | 39.45 | 74.0 | 34.55 | 29.1 | 54.0 | 24.9 | 13.73 | V | 1 | 1.0 |
| 4 | 17,265.000 | 47.76 | 74.0 | 26.24 | 38.4 | 54.0 | 15.6 | 22.32 | V | 1 | 1.0 |



REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value- Emission level.
- 5210MHz: Fundamental frequency.



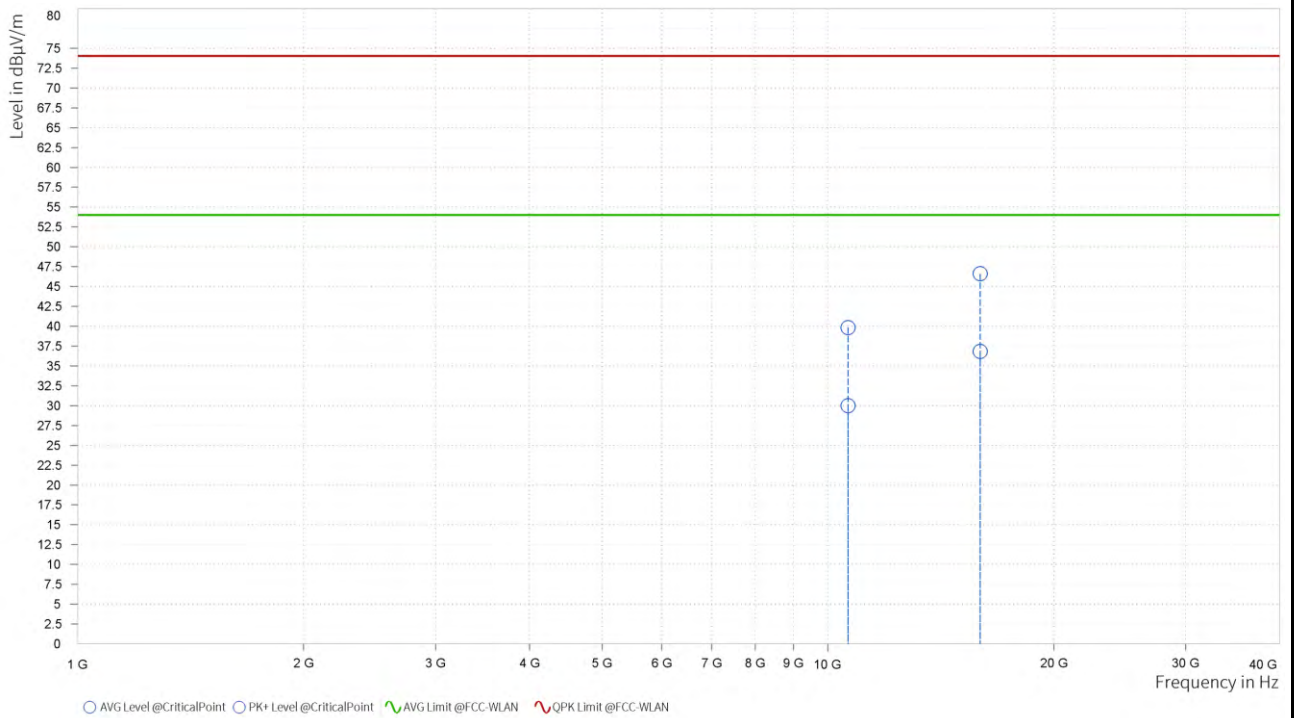
Band 2:

802.11a

| | | | |
|------------------------|---------------|--------------------------|--------------|
| CHANNEL | TX Channel 64 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 40GHz | | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

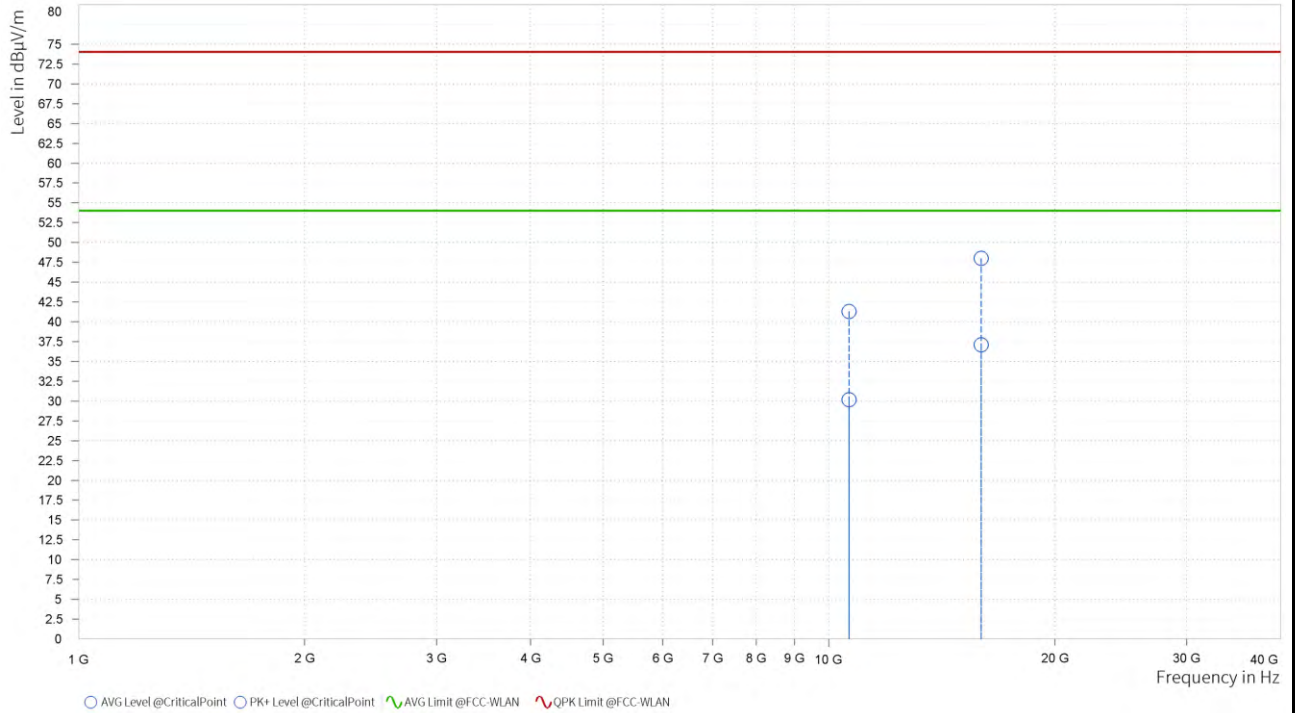
| Rg | Frequency [MHz] | PK+ Level [dBμV/m] | PK+: QPK Limit [dBμV/m] | PK+ Margin [dB] | AVG Level [dBμV/m] | AVG Limit [dBμV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|-------------------------|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 4 | 10,640.000 | 39.83 | 74.0 | 34.17 | 30.0 | 54.0 | 24.0 | 14.69 | H | 1 | 1.0 |
| 4 | 15,960.000 | 46.6 | 74.0 | 27.4 | 36.81 | 54.0 | 17.19 | 21.02 | H | 1 | 1.0 |





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+: QPK Limit [dBµV/m] | PK+ Margin [dB] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|-------------------------|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 4 | 10,640.000 | 41.32 | 74.0 | 32.68 | 30.15 | 54.0 | 23.85 | 14.69 | V | 1 | 1.0 |
| 4 | 15,960.000 | 48.0 | 74.0 | 26.0 | 37.1 | 54.0 | 16.9 | 21.02 | V | 1 | 1.0 |



REMARKS:

1. Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value- Emission level.
2. 5290MHz: Fundamental frequency.



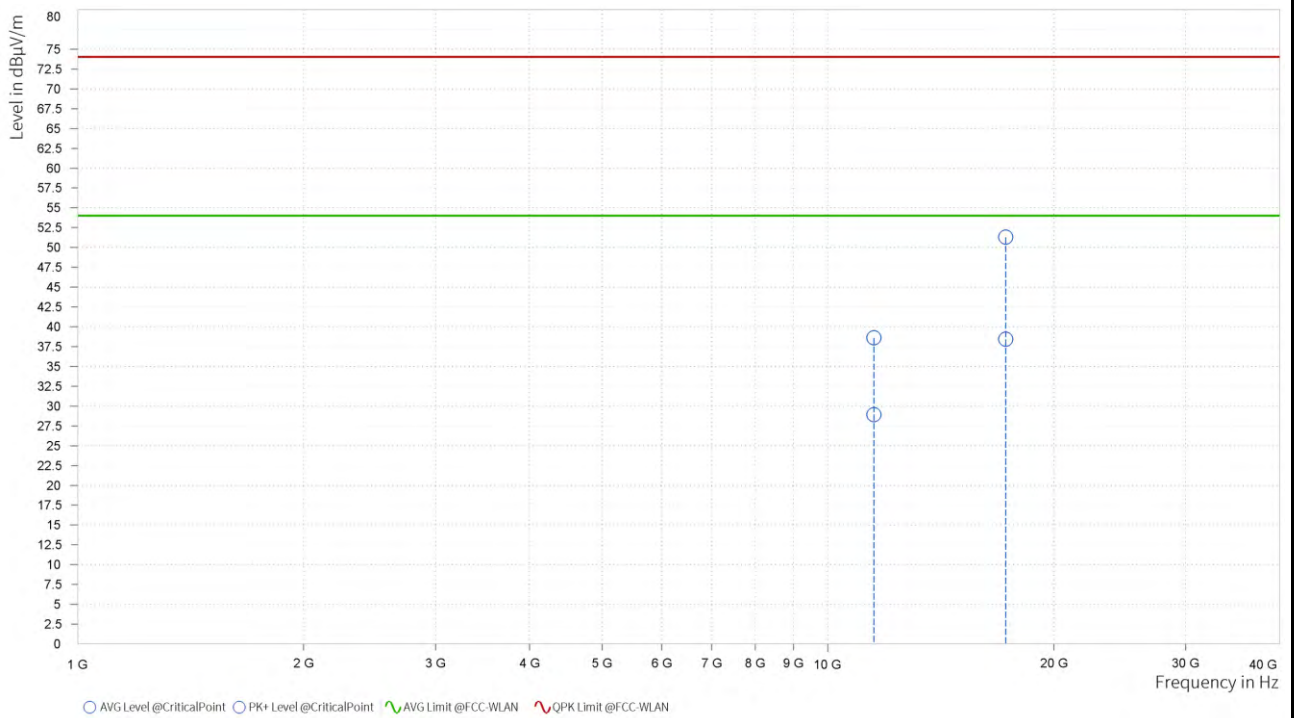
Band 4

802.11n (40MHz)

| | | | |
|------------------------|----------------|--------------------------|--------------|
| CHANNEL | TX Channel 151 | DETECTOR FUNCTION | Peak (PK) |
| FREQUENCY RANGE | 1GHz ~ 40GHz | | Average (AV) |

ANTENNA POLARITY & TEST DISTANCE: HORIZONTAL AT 3 M

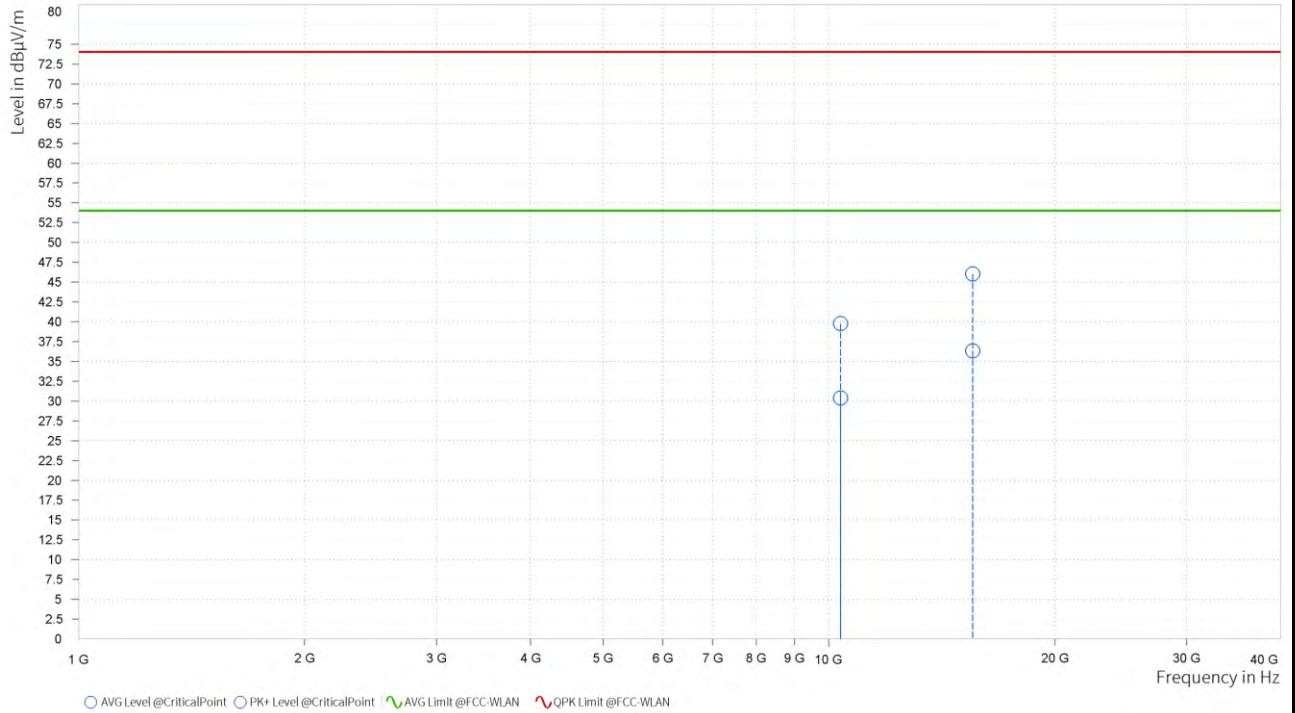
| Rg | Frequency [MHz] | PK+ Level [dBμV/m] | PK+: QPK Limit [dBμV/m] | PK+ Margin [dB] | AVG Level [dBμV/m] | AVG Limit [dBμV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|-------------------------|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 4 | 11,510.000 | 38.61 | 74.0 | 35.39 | 28.92 | 54.0 | 25.08 | 13.73 | H | 1 | 1.0 |
| 4 | 17,265.000 | 51.29 | 74.0 | 22.71 | 38.43 | 54.0 | 15.57 | 22.32 | H | 1 | 1.0 |





ANTENNA POLARITY & TEST DISTANCE: VERTICAL AT 3 M

| Rg | Frequency [MHz] | PK+ Level [dBµV/m] | PK+: QPK Limit [dBµV/m] | PK+ Margin [dB] | AVG Level [dBµV/m] | AVG Limit [dBµV/m] | AVG Margin [dB] | Correction [dB] | Polarization | Azimuth [deg] | Antenna Height [m] |
|----|-----------------|--------------------|-------------------------|-----------------|--------------------|--------------------|-----------------|-----------------|--------------|---------------|--------------------|
| 4 | 10,360.000 | 39.76 | 74.0 | 34.24 | 30.41 | 54.0 | 23.59 | 13.95 | V | 1 | 1.0 |
| 4 | 15,540.000 | 46.02 | 74.0 | 27.98 | 36.33 | 54.0 | 17.67 | 20.68 | V | 1 | 1.0 |



REMARKS:

- Emission Level = Read Level+ Antenna Factor + Cable Loss- Preamp Factor
Margin value = Limit value- Emission level.
- 5530MHz: Fundamental frequency.
- #: Out of restricted band.



3.2 CONDUCTED EMISSION MEASUREMENT

3.2.1 LIMITS OF CONDUCTED EMISSION MEASUREMENT

| FREQUENCY OF EMISSION (MHz) | CONDUCTED LIMIT (dBµV) | |
|-----------------------------|------------------------|----------|
| | Quasi-peak | Average |
| 0.15 ~ 0.5 | 66 to 56 | 56 to 46 |
| 0.5 ~ 5 | 56 | 46 |
| 5 ~ 30 | 60 | 50 |

NOTE: 1. The lower limit shall apply at the transition frequencies.

2. The limit decreases in line with the logarithm of the frequency in the range of 0.15 to 0.50MHz.

3. All emanations from a class A/B digital device or system, including any network of conductors and apparatus connected thereto, shall not exceed the level of field strengths specified above.

3.2.2 TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|-----------------------|---------------|-----------|------------|-----------|-----------|
| EMI Test Receiver | Rohde&Schwarz | ESR3 | 102749 | Mar.28,24 | Mar.27,26 |
| ELEKTRA test software | Rohde&Schwarz | ELEKTRA | NA | N/A | N/A |
| LISN network | Rohde&Schwarz | ENV216 | 102640 | Mar.28,24 | Mar.27,26 |
| CABLE | Rohde&Schwarz | W61.01 | N/A | Apr.27,24 | Apr.26,25 |
| CABLE | Rohde&Schwarz | W601 | N/A | Apr.27,24 | Apr.26,25 |

NOTE:

1. The test was performed in the CE shielded room.

2. The calibration interval of the above test instruments is 12 /24 months. And the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA, and NIM/CHINA.



3.2.3 TEST PROCEDURES

- a. The EUT was placed 0.4 meters from the conducting wall of the shielded room with EUT being connected to the power mains through a line impedance stabilization network (LISN). Other support units were connected to the power mains through another LISN. The two LISNs provide 50 ohm/ 50uH of coupling impedance for the measuring instrument.
- b. Both lines of the power mains connected to the EUT were checked for maximum conducted interference.
- c. The frequency range from 150kHz to 30MHz was searched. Emission levels under (Limit - 20dB) were not recorded.

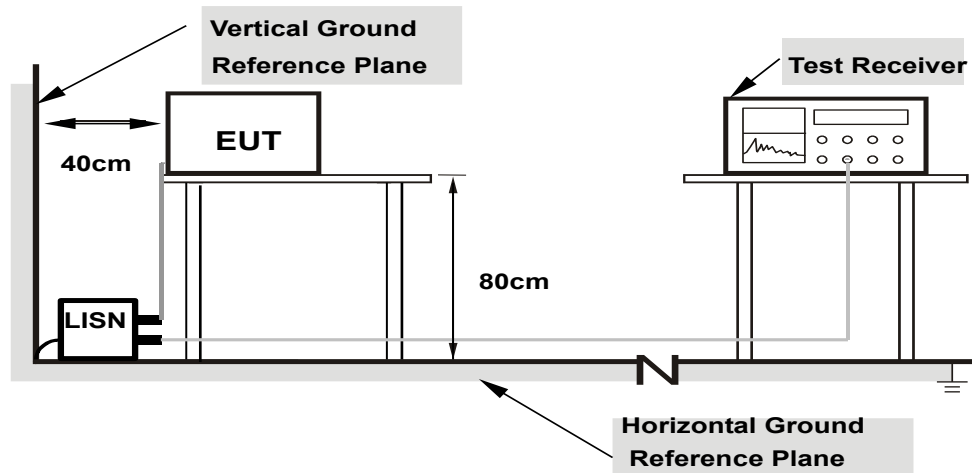
NOTE: All modes of operation were investigated, and the worst-case emissions are reported.



3.2.4 DEVIATION FROM TEST STANDARD

No deviation.

3.2.5 TEST SETUP



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

For the actual test configuration, please refer to the attached file (Test Setup Photo).

3.2.6 EUT OPERATING CONDITIONS

Same as 3.1.7.



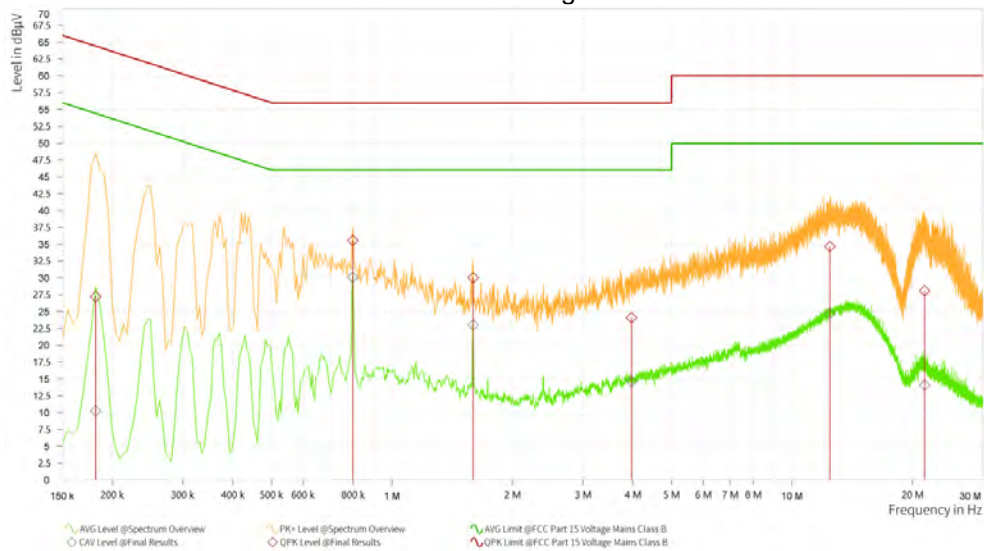
3.2.7 TEST RESULTS

CONDUCTED WORST-CASE DATA:

| | | | |
|------------------------|----------------|---|---------------------------------------|
| Frequency Range | 150KHz ~ 30MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9 kHz |
| Input Power | 120Vac, 60Hz | Environmental Conditions | 26deg. C, 51%RH |
| Tested By | Hanwen Xu | | |

| Rg | Frequency [MHz] | QPK Level [dBμV] | QPK Limit [dBμV] | QPK Margin [dB] | CAV Level [dBμV] | CAV: AVG Limit [dBμV] | CAV Margin [dB] | Correction [dB] | Line | Meas. BW [kHz] |
|----|-----------------|------------------|------------------|-----------------|------------------|-----------------------|-----------------|-----------------|------|----------------|
| 1 | 0.182 | 27.22 | 64.42 | 37.20 | 10.23 | 54.42 | 44.19 | 12.21 | L1 | 9.000 |
| 1 | 0.798 | 35.57 | 56.00 | 20.43 | 30.09 | 46.00 | 15.91 | 11.74 | L1 | 9.000 |
| 1 | 1.595 | 30.04 | 56.00 | 25.96 | 23.00 | 46.00 | 23.00 | 11.75 | L1 | 9.000 |
| 1 | 3.971 | 24.09 | 56.00 | 31.91 | 14.63 | 46.00 | 31.37 | 11.78 | L1 | 9.000 |
| 1 | 12.440 | 34.65 | 60.00 | 25.35 | 24.68 | 50.00 | 25.32 | 11.84 | L1 | 9.000 |
| 1 | 21.467 | 28.09 | 60.00 | 31.91 | 14.07 | 50.00 | 35.93 | 11.88 | L1 | 9.000 |

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Limit value - Emission level
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.

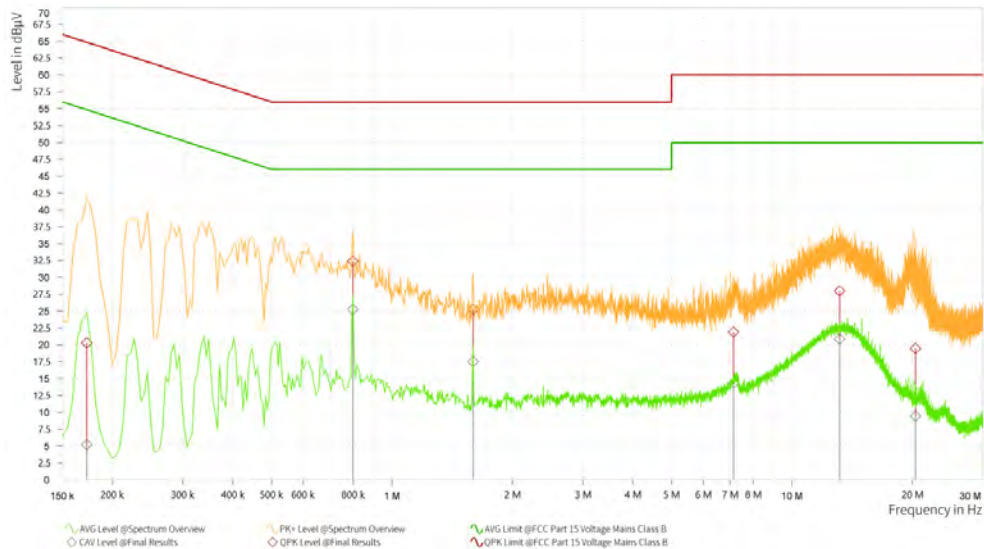




| | | | |
|------------------------|----------------|---|---------------------------------------|
| Frequency Range | 150KHz ~ 30MHz | Detector Function & Resolution Bandwidth | Quasi-Peak (QP) / Average (AV), 9 kHz |
| Input Power | 120Vac, 60Hz | Environmental Conditions | 26deg. C, 51%RH |
| Tested By | Hanwen Xu | | |

| Rg | Frequency [MHz] | QPK Level [dBμV] | QPK Limit [dBμV] | QPK Margin [dB] | CAV Level [dBμV] | CAV: AVG Limit [dBμV] | CAV Margin [dB] | Correction [dB] | Line | Meas. BW [kHz] |
|----|-----------------|------------------|------------------|-----------------|------------------|-----------------------|-----------------|-----------------|------|----------------|
| 1 | 0.173 | 20.28 | 64.84 | 44.56 | 5.21 | 54.84 | 49.63 | 12.21 | N | 9.000 |
| 1 | 0.798 | 32.38 | 56.00 | 23.62 | 25.25 | 46.00 | 20.75 | 12.74 | N | 9.000 |
| 1 | 1.595 | 25.24 | 56.00 | 30.76 | 17.55 | 46.00 | 28.45 | 12.74 | N | 9.000 |
| 1 | 7.143 | 21.88 | 60.00 | 38.12 | 14.30 | 50.00 | 35.70 | 12.78 | N | 9.000 |
| 1 | 13.155 | 27.97 | 60.00 | 32.03 | 20.86 | 50.00 | 29.14 | 12.81 | N | 9.000 |
| 1 | 20.369 | 19.47 | 60.00 | 40.53 | 9.44 | 50.00 | 40.56 | 12.85 | N | 9.000 |

- REMARKS:**
1. Q.P. and AV. are abbreviations of quasi-peak and average individually.
 2. "-": The Quasi-peak reading value also meets average limit and measurement with the average detector is unnecessary.
 3. The emission levels of other frequencies were very low against the limit.
 4. Margin value = Limit value - Emission level
 5. Correction factor = Insertion loss + Cable loss
 6. Emission Level = Correction Factor + Reading Value.





3.3 MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

3.3.1 LIMITS OF MAXIMUM CONDUCTED OUTPUT POWER MEASUREMENT

| Operation Band | EUT Category | | LIMIT |
|----------------|--------------|-----------------------------------|---|
| U-NII-1 | | Outdoor Access Point | 1 Watt (30 dBm) (Max. e.i.r.p \leq 125mW(21 dBm) at any elevation angle above 30 degrees as measured from the horizon) |
| | | Fixed point-to-point Access Point | 1 Watt (30 dBm) |
| | | Indoor Access Point | 1 Watt (30 dBm) |
| | √ | Client devices | 250mW (24 dBm) |
| U-NII-2A | √ | | 250mW (24 dBm) or 11 dBm+10 log B* |
| U-NII-2C | √ | | 250mW (24 dBm) or 11 dBm+10 log B* |
| U-NII-3 | √ | | 1 Watt (30 dBm) |

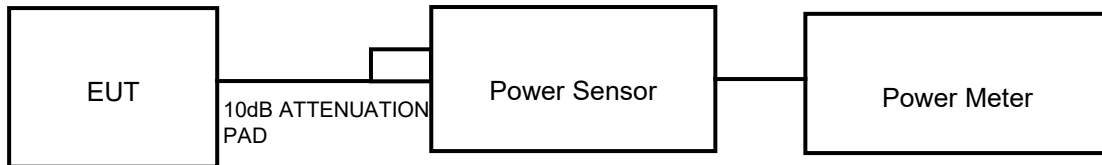
NOTE: Where B is the 26dB emission bandwidth in MHz



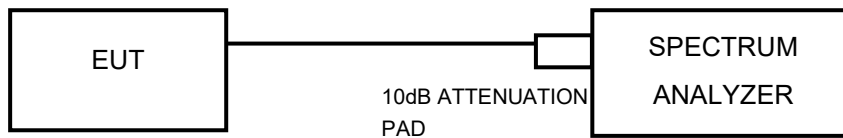
3.3.2 TEST SETUP

FOR POWER OUTPUT MEASUREMENT

802.11a, 802.11n/ac (20MHz), 802.11 n/ac (40MHz), 802.11ac (80MHz) TEST CONFIGURATION



FOR 26dB BANDWIDTH





3.3.3 TEST INSTRUMENTS

| Equipment | Manufacturer | Model No. | Serial No. | Last Cal. | Next Cal. |
|------------------------------------|--------------|-----------------|----------------|-----------|-----------|
| EMI Test Receiver | R&S | ESW 44 | 101973 | Mar.28,24 | Mar.27,26 |
| Open Switch and Control Unit | R&S | OSP-B157W8 | 100836 | N/A | N/A |
| Vector Signal Generator | R&S | SMBV100B | 102176 | Mar.29,24 | Mar.28,26 |
| Signal Generator | R&S | SMB100A03 | 182185 | Mar.29,24 | Mar.28,26 |
| WIDEBANDRADIO COMMUNICATION TESTER | R&S | CMW500 | 169399 | Jun.19,24 | Jun.18,26 |
| Hygrothermograph | DELI | 20210528 | SZ015 | Sep.06,22 | Sep.05,24 |
| Hygrothermograph | DELI | 20210528 | SZ015 | Sep.05,24 | Sep.04,26 |
| PC | LENOVO | E14 | HRSW0024 | N/A | N/A |
| CABLE | R&S | J12J103539-00-1 | SEP-03-20-069 | Apr.27,24 | Apr.26,25 |
| CABLE | R&S | J12J103539-00-1 | SEP-03-20-070 | Apr.27,24 | Apr.26,25 |
| Test Software | EMC32 | EMC32 | N/A | N/A | N/A |
| Temperature Chamber | votsch | VT4002 | 58566078100050 | May.30,24 | May.29,26 |
| Power Meter | R&S | NRX | 102380 | Mar.28,24 | Mar.27,26 |
| Power Meter probe | R&S | NRP6A | 102942 | Mar.28,24 | Mar.27,26 |

NOTE:

1. The calibration interval of the above test instruments is 12 /24 months, and the calibrations are traceable to CEPREI/CHINA, GRGT/CHINA and NIM/CHINA.
2. The test was performed in the RF Oven room.



3.3.4 TEST PROCEDURE

FOR POWER MEASUREMENT

For 802.11a, 802.11 n/ac (20MHz), 802.11 n/ac (40MHz) , 802.11ac (80MHz)

Method PM is used to perform output power measurement, trigger and gating function of wide band power meter is enabled to measure max output power of TX on burst. Duty factor is not added to measured value.

FOR 99 PERCENT OCCUPIED BANDWIDTH

The following procedure shall be used for measuring (99 %) power bandwidth:

1. Set center frequency to the nominal EUT channel center frequency.
2. Set span = 1.5 times to 5.0 times the OBW.
3. Set RBW = 1 % to 5 % of the OBW
4. Set VBW $\geq 3 \cdot$ RBW
5. Video averaging is not permitted. Where practical, a sample detection and single sweep mode shall be used. Otherwise, peak detection and max hold mode (until the trace stabilizes) shall be used.
6. Use the 99 % power bandwidth function of the instrument (if available).
7. If the instrument does not have a 99 % power bandwidth function, the trace data points are recovered and directly summed in power units. The recovered amplitude data points, beginning at the lowest frequency, are placed in a running sum until 0.5 % of the total is reached; that frequency is recorded as the lower frequency. The process is repeated until 99.5 % of the total is reached; that frequency is recorded as the upper frequency. The 99% occupied bandwidth is the difference between these two frequencies.

FOR 26dB BANDWIDTH

- 1) Set RBW = approximately 1% of the emission bandwidth.
- 2) Set the VBW > RBW.
- 3) Detector = Peak.
- 4) Trace mode = max hold.
- 5) Measure the maximum width of the emission that is 26 dB down from the peak 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%.

FOR 6dB BANDWIDTH



1. Set RBW = 100 kHz.
2. Set the video bandwidth (VBW) ≥ 3 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.

3.3.5 DEVIATION FROM TEST STANDARD

No deviation.

3.3.6 EUT OPERATING CONDITIONS

The software provided by the client to enable the EUT under transmission condition continuously at specific channel frequencies individually.

3.3.7 TEST RESULTS

Please Refer to Appendix Of this test report.

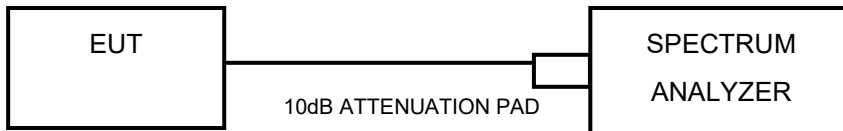


3.4 MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

3.4.1 LIMITS OF MAXIMUM POWER SPECTRAL DENSITY MEASUREMENT

| Operation Band | EUT Category | | LIMIT |
|----------------|--------------|-----------------------------------|---------------|
| U-NII-1 | | Outdoor Access Point | 17dBm/ MHz |
| | | Fixed point-to-point Access Point | |
| | | Indoor Access Point | |
| | √ | Client devices | 11dBm/ MHz |
| U-NII-2A | √ | | 11dBm/ MHz |
| U-NII-2C | √ | | 11dBm/ MHz |
| U-NII-3 | √ | | 30dBm/ 500kHz |

3.4.2 TEST SETUP



3.4.3 TEST INSTRUMENTS

Refer to section 3.3.3 to get information about the above instrument.



3.4.4 TEST PROCEDURES

Using method SA-2(Band1/2/3)

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 1 MHz, Set VBW \geq 3 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission).
- 7) Record the max value

Using method SA-2 (Band4)

- 1) Set span to encompass the entire emission bandwidth (EBW) of the signal.
- 2) Set RBW = 300 KHz, Set VBW \geq 1 MHz, Detector = RMS
- 3) Set Channel power measure = 1MHz
- 4) Sweep time = auto, trigger set to "free run".
- 5) Trace average at least 100 traces in power averaging mode.
- 6) Add $10 \log(500\text{kHz}/\text{RBW})$ to the test result. $10 \log(500\text{kHz}/300\text{KHZ}) = 2.22\text{dBm}$
- 7) Add $10 \log(1/x)$, where x is the duty cycle, to the measured power in order to compute the average power during the actual transmission times (because the measurement represents an average over both the on and off times of the transmission).
- 8) Record the max value

3.4.5 DEVIATION FROM TEST STANDARD

No deviation.

3.4.6 EUT OPERATING CONDITIONS

Same as 3.1.7.



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3.4.7 TEST RESULTS

Please Refer to Appendix Of this test report.



3.5 AUTOMATICALLY DISCONTINUE TRANSMISSION

3.5.1 LIMIT OF AUTOMATICALLY DISCONTINUE TRANSMISSION

The device shall automatically discontinue transmission in case of either absence of information to transmit or operational failure. These provisions are not intended to preclude the transmission of control or signaling information or the use of repetitive codes used by certain digital technologies to complete frame or burst intervals. Applicants shall include in their application for equipment authorization a description of how this requirement is met.

3.5.2 TEST INSTRUMENTS

Refer to section 3.3.3 to get information about the above instrument.

3.5.3 TEST RESULT

While the EUT is not transmitting any information, the EUT can automatically discontinue transmission and become standby mode for power saving。 The EUT can detect the controlling of ACK message transmitting from remote device and verify whether it shall resend or discontinue transmission.



3.6 ANTENNA REQUIREMENTS

3.6.1 STANDARD APPLICABLE

If transmitting antenna directional gain is greater than 6 dBi, both the peak transmits power, and the peak power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

3.6.2 ANTENNA CONNECTED CONSTRUCTION

An embedded-in antenna design is used.

3.6.3 ANTENNA GAIN

The antenna peak gain of EUT is less than 6 dBi. Therefore, it is not necessary to reduce maximum peak output power limit and PSD limit.



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4 PHOTOGRAPHS OF THE TEST CONFIGURATION

Please refer to the attached file (Test Setup Photo).



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5 MODIFICATIONS RECORDERS FOR ENGINEERING CHANGES TO THE EUT BY THE LAB

No modifications were made to the EUT by the lab during the test.



6 APPENDIX: RLAN

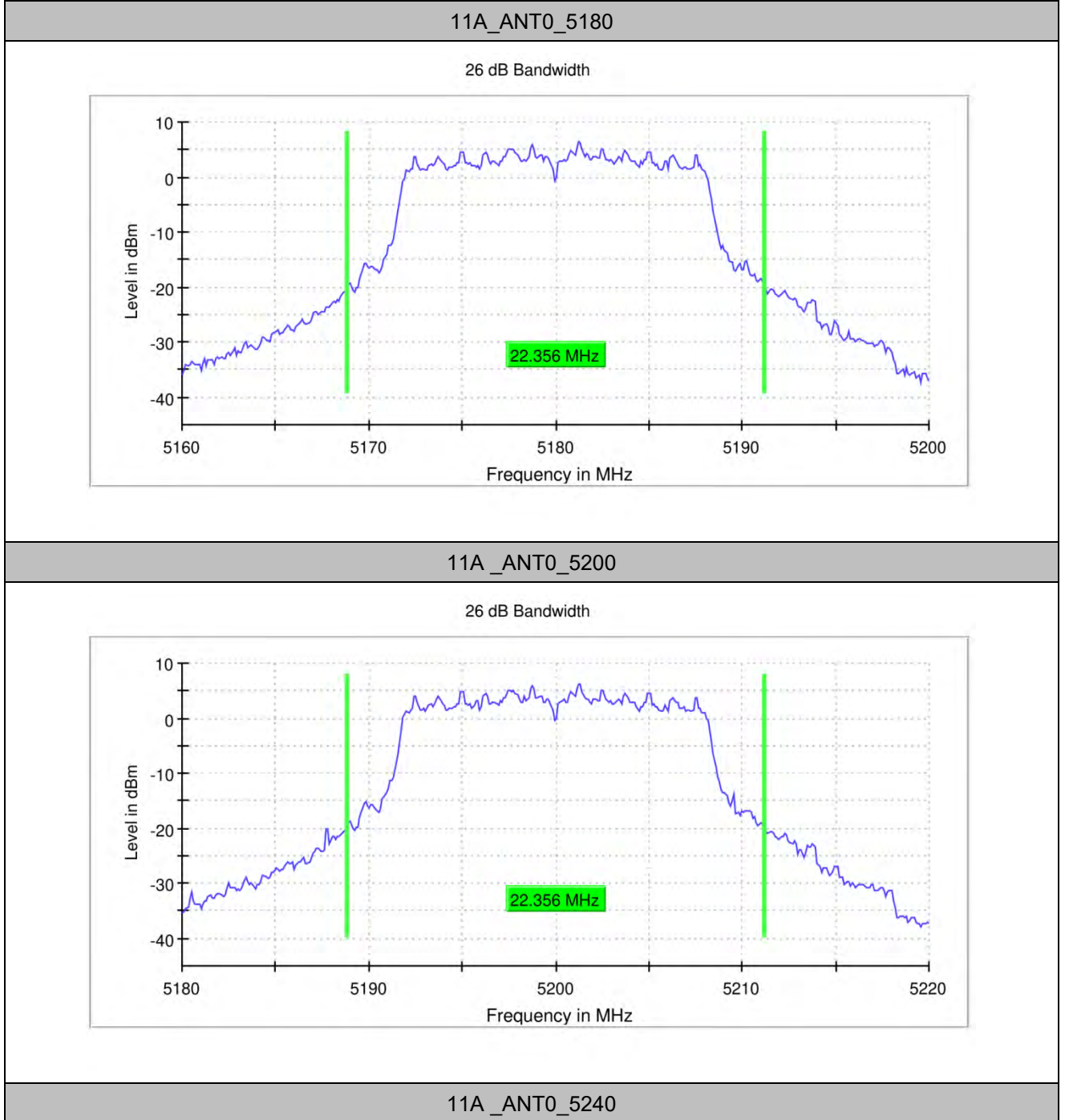
EMISSION BANDWIDTH

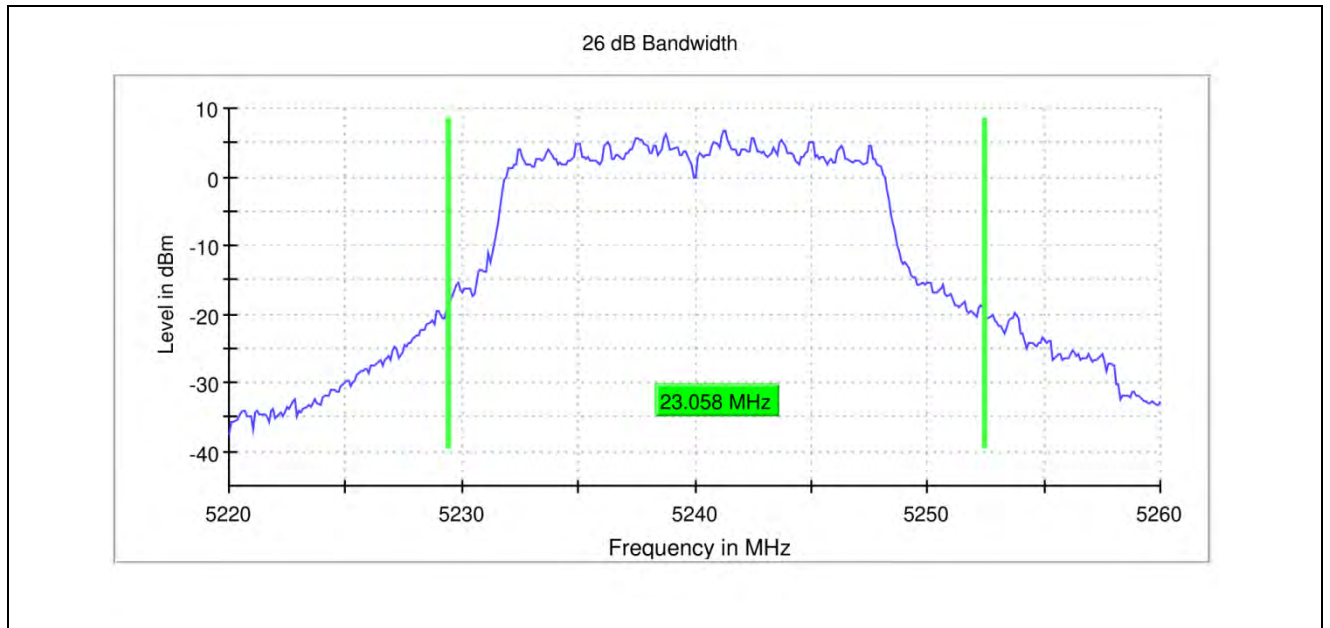
TEST RESULT

| TestMode | Antenna | Frequency [MHz] | 26db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|-----------------|----------------|----------|----------|------------|---------|
| 11A | ANT0 | 5180 | 22.356 | 5168.822 | 5191.178 | --- | --- |
| | ANT0 | 5200 | 22.356 | 5188.822 | 5211.178 | --- | --- |
| | ANT0 | 5240 | 23.058 | 5229.424 | 5252.482 | --- | --- |
| | ANT0 | 5260 | 23.659 | 5248.822 | 5272.481 | --- | --- |
| | ANT0 | 5300 | 25.063 | 5288.922 | 5313.985 | --- | --- |
| | ANT0 | 5320 | 25.163 | 5308.822 | 5333.985 | --- | --- |
| | ANT0 | 5745 | 23.860 | 5733.521 | 5757.381 | --- | --- |
| | ANT0 | 5785 | 22.757 | 5773.421 | 5796.178 | --- | --- |
| | ANT0 | 5825 | 23.960 | 5813.521 | 5837.481 | --- | --- |
| 11N20 | ANT0 | 5180 | 22.857 | 5168.622 | 5191.479 | --- | --- |
| | ANT0 | 5200 | 22.857 | 5188.622 | 5211.479 | --- | --- |
| | ANT0 | 5240 | 22.857 | 5228.922 | 5251.779 | --- | --- |
| | ANT0 | 5260 | 22.857 | 5248.622 | 5271.479 | --- | --- |
| | ANT0 | 5300 | 23.659 | 5288.722 | 5312.381 | --- | --- |
| | ANT0 | 5320 | 23.158 | 5308.722 | 5331.88 | --- | --- |
| | ANT0 | 5745 | 23.258 | 5733.622 | 5756.88 | --- | --- |
| | ANT0 | 5785 | 23.258 | 5773.622 | 5796.88 | --- | --- |
| | ANT0 | 5825 | 23.759 | 5813.622 | 5837.381 | --- | --- |
| 11N40 | ANT0 | 5190 | 41.053 | 5169.549 | 5210.602 | --- | --- |
| | ANT0 | 5230 | 41.053 | 5209.549 | 5250.602 | --- | --- |
| | ANT0 | 5270 | 41.053 | 5249.398 | 5290.451 | --- | --- |
| | ANT0 | 5310 | 41.053 | 5289.398 | 5330.451 | --- | --- |
| | ANT0 | 5755 | 41.053 | 5734.398 | 5775.451 | --- | --- |
| | ANT0 | 5795 | 41.504 | 5774.398 | 5815.902 | --- | --- |
| 11AC80 | ANT0 | 5210 | 85.266 | 5168.119 | 5253.385 | --- | --- |
| | ANT0 | 5290 | 84.765 | 5248.119 | 5332.884 | --- | --- |
| | ANT0 | 5775 | 84.765 | 5732.618 | 5817.383 | --- | --- |

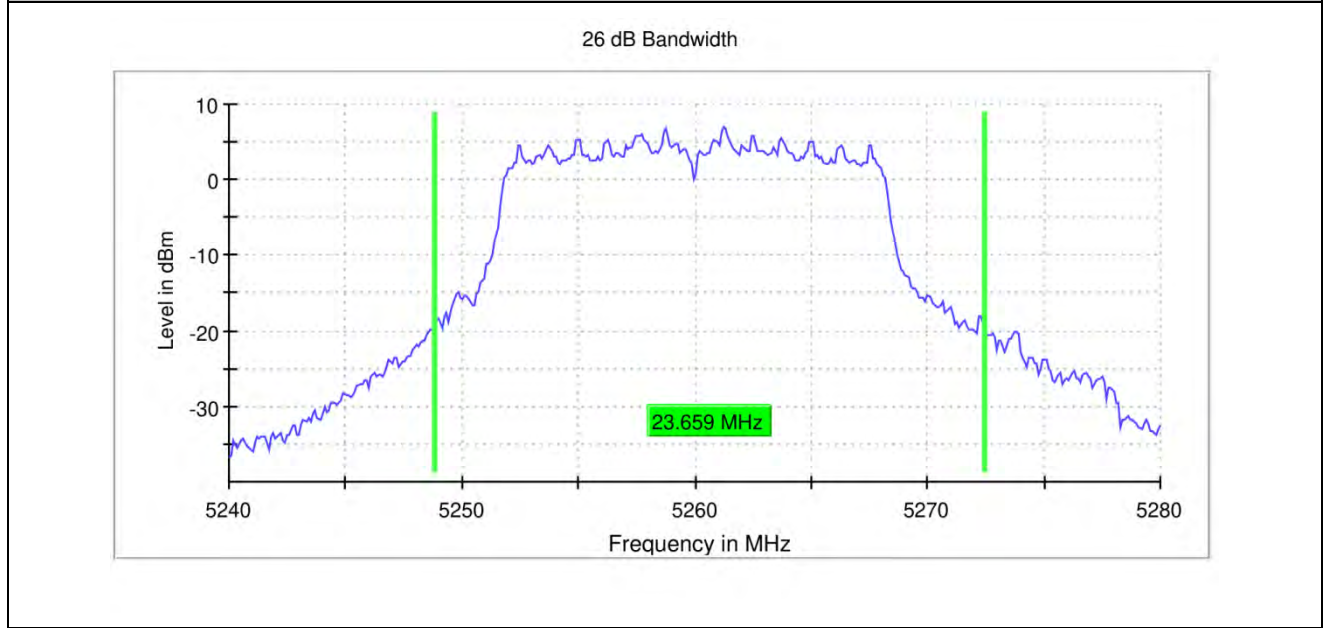


TEST GRAPHS

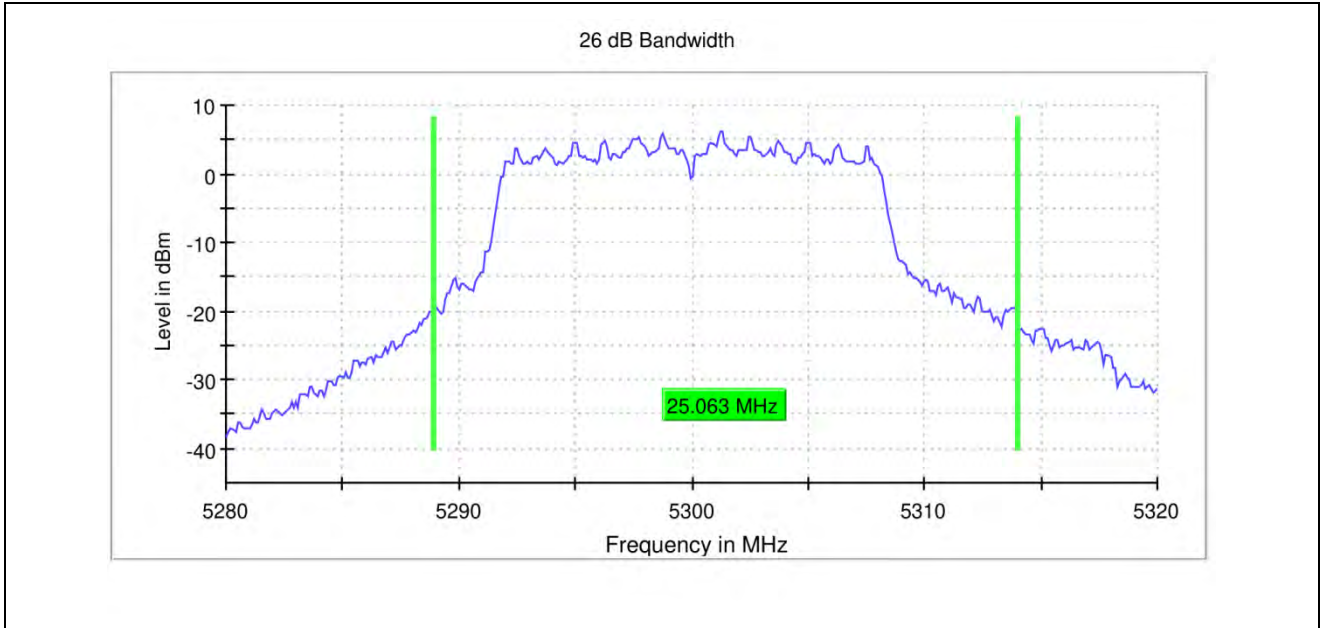




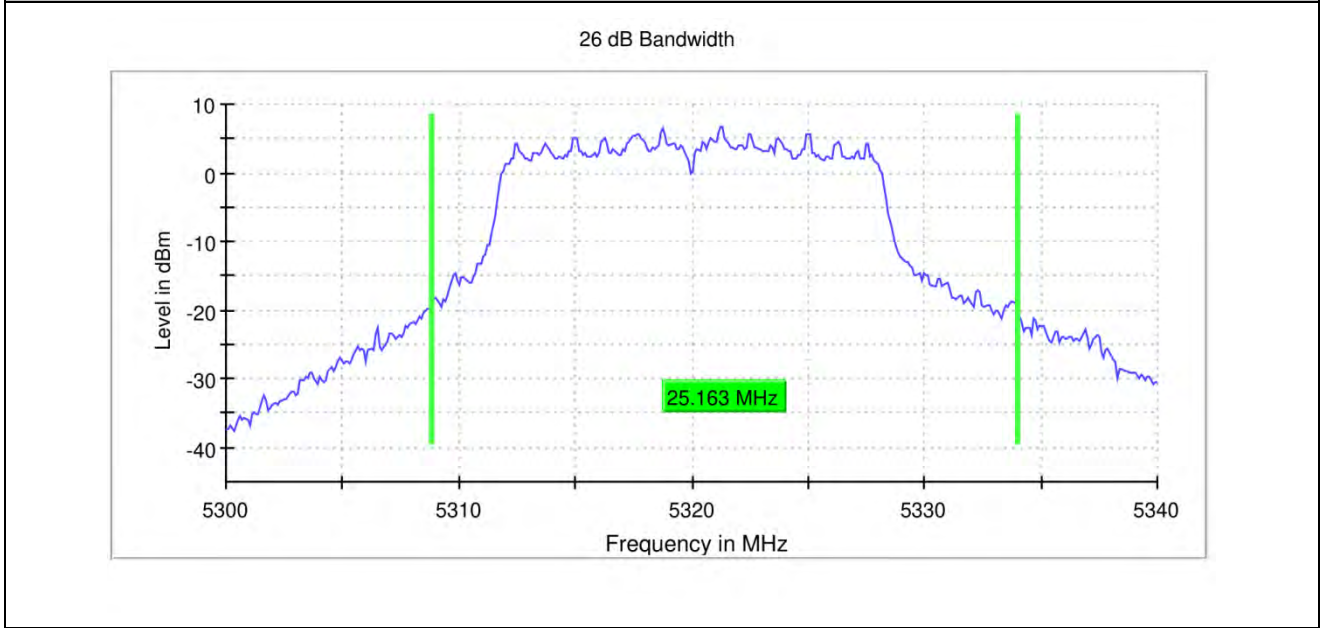
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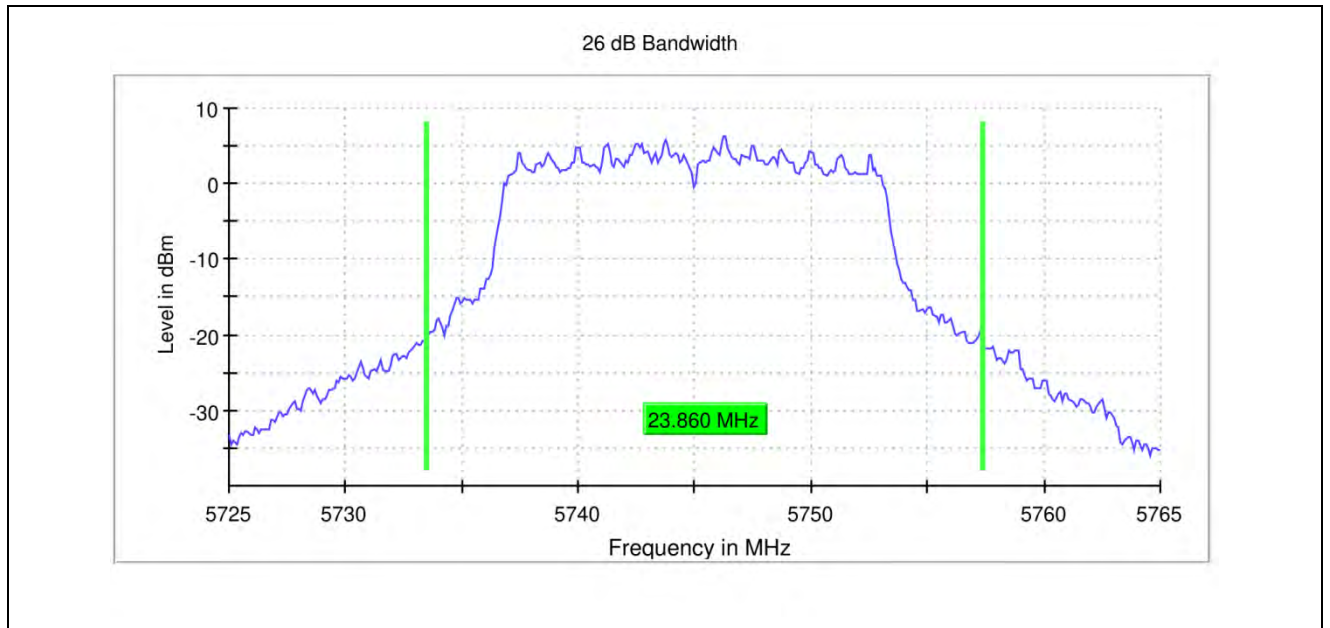
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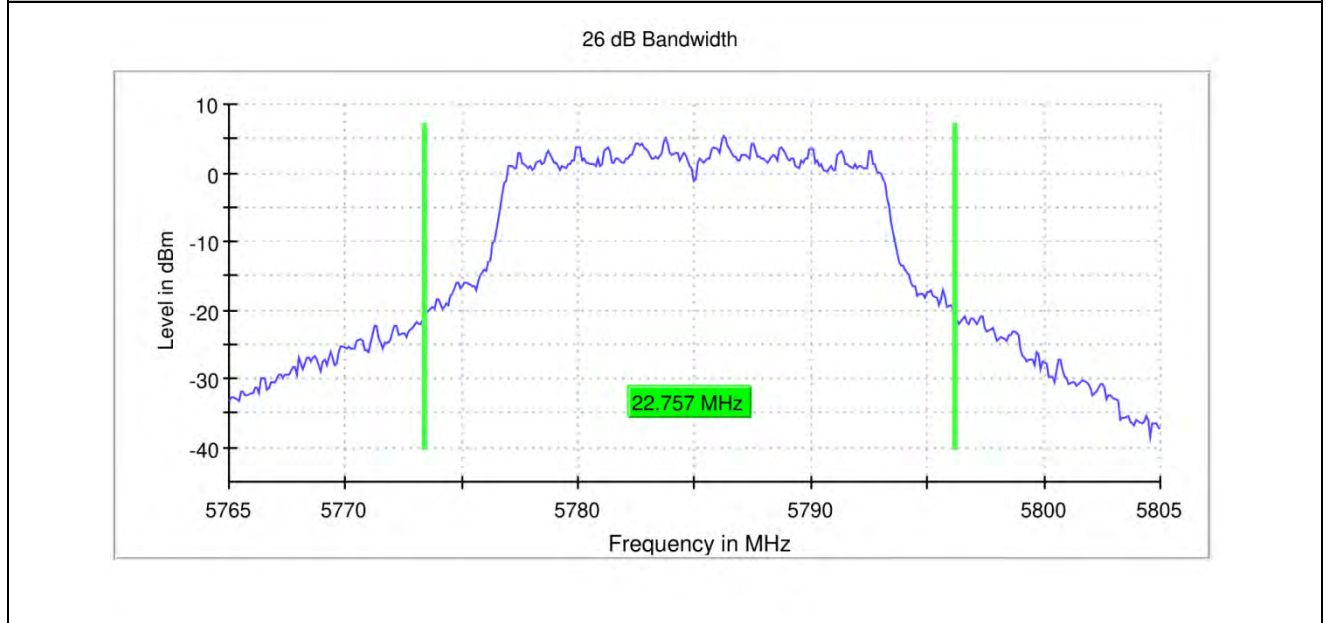
11A_ANT0_5320



11A_ANT0_5745



11A_ANT0_5785

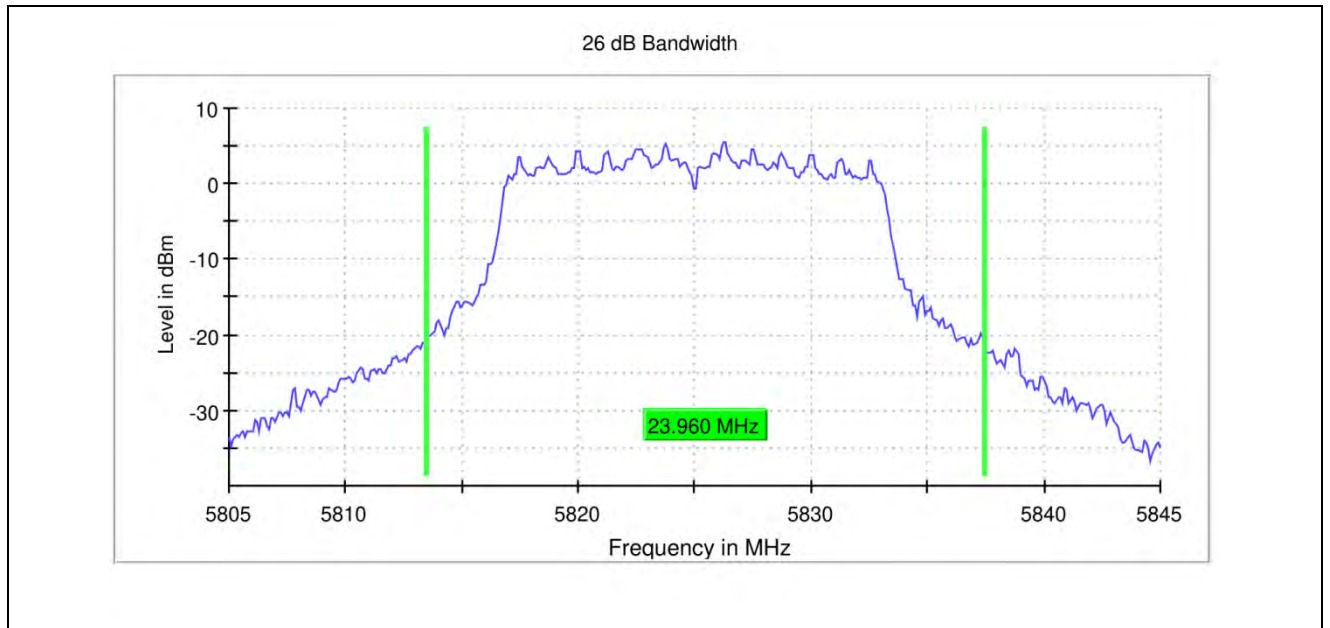


11A_ANT0_5825

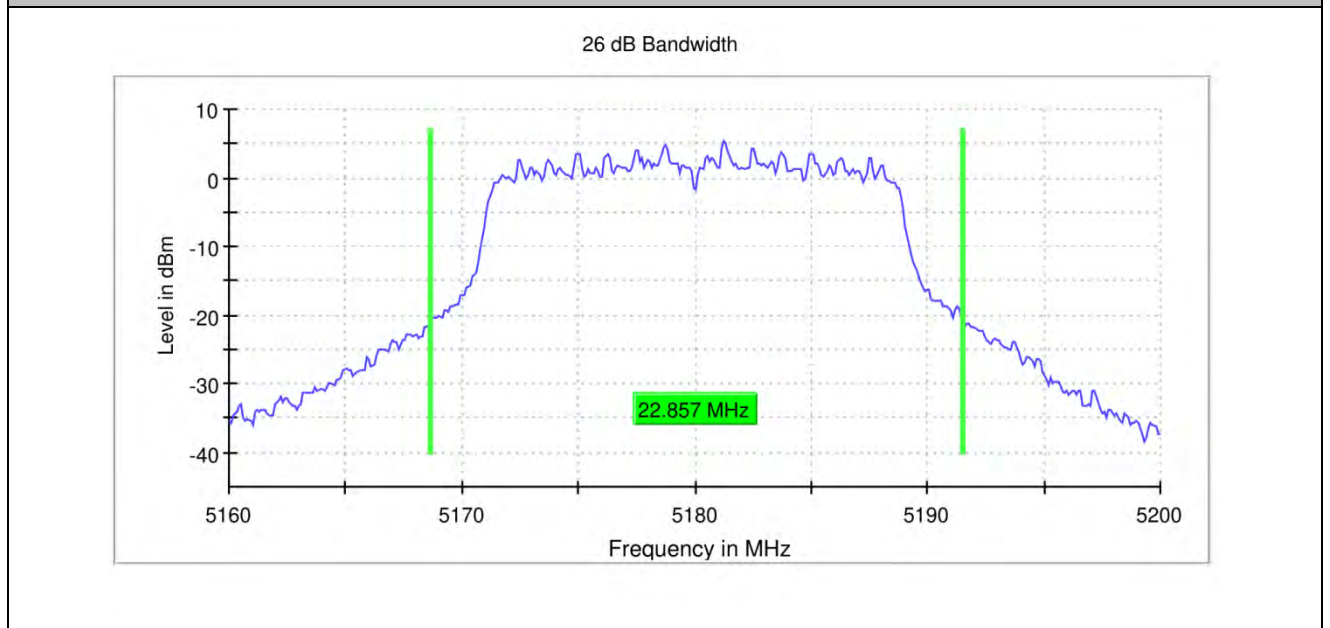


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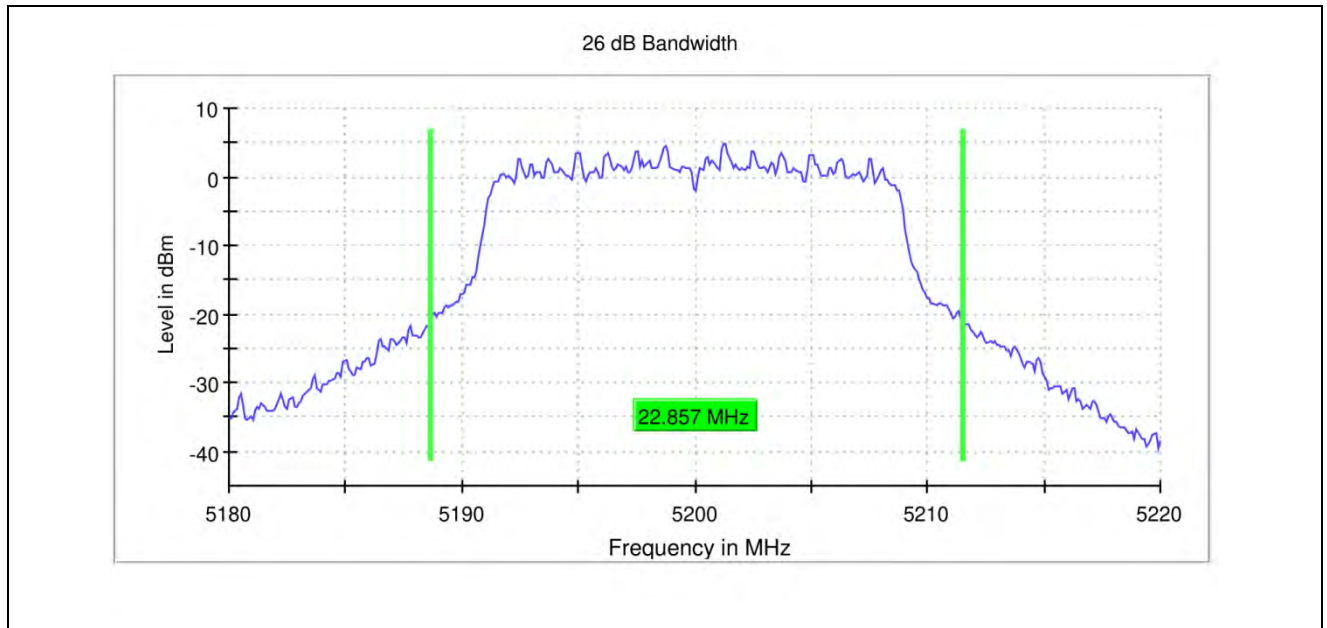
Test Report No.: PSU-NQN2406210109RF09



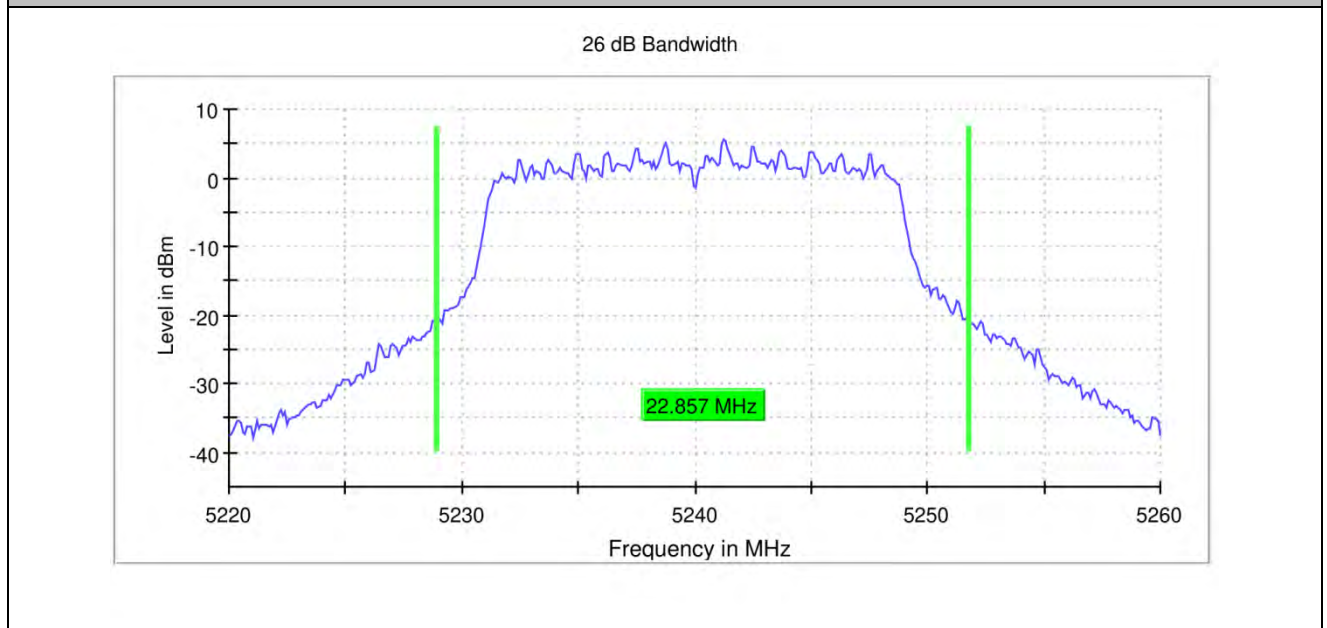
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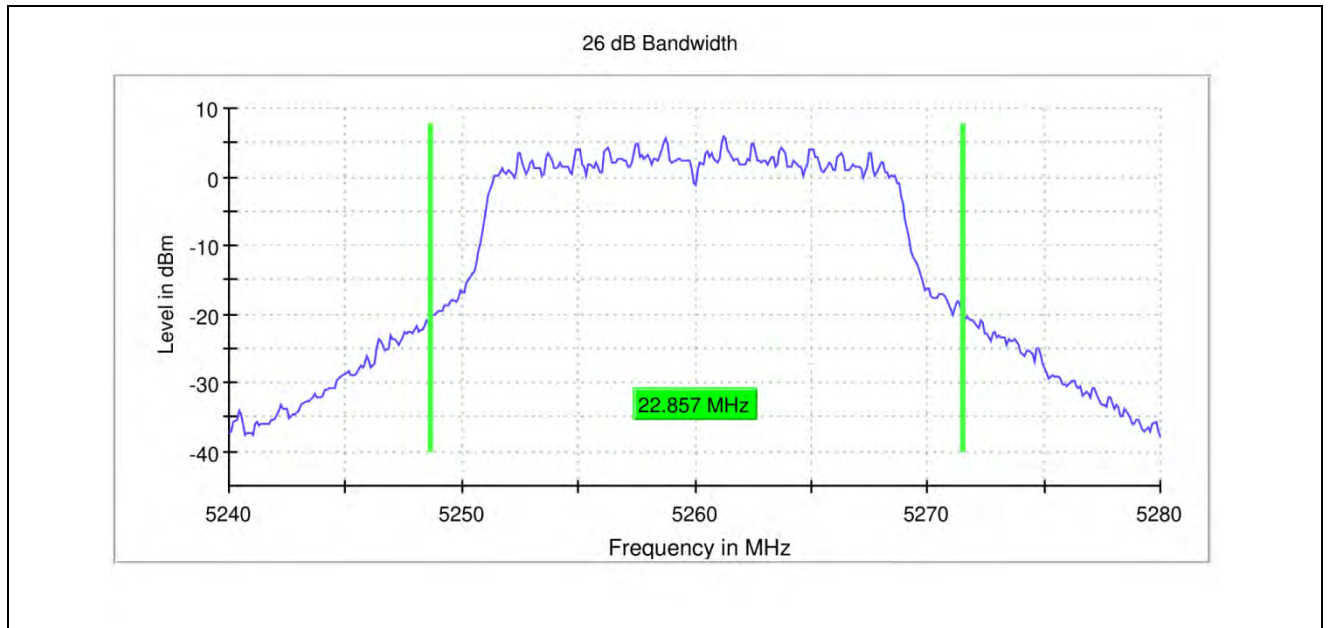
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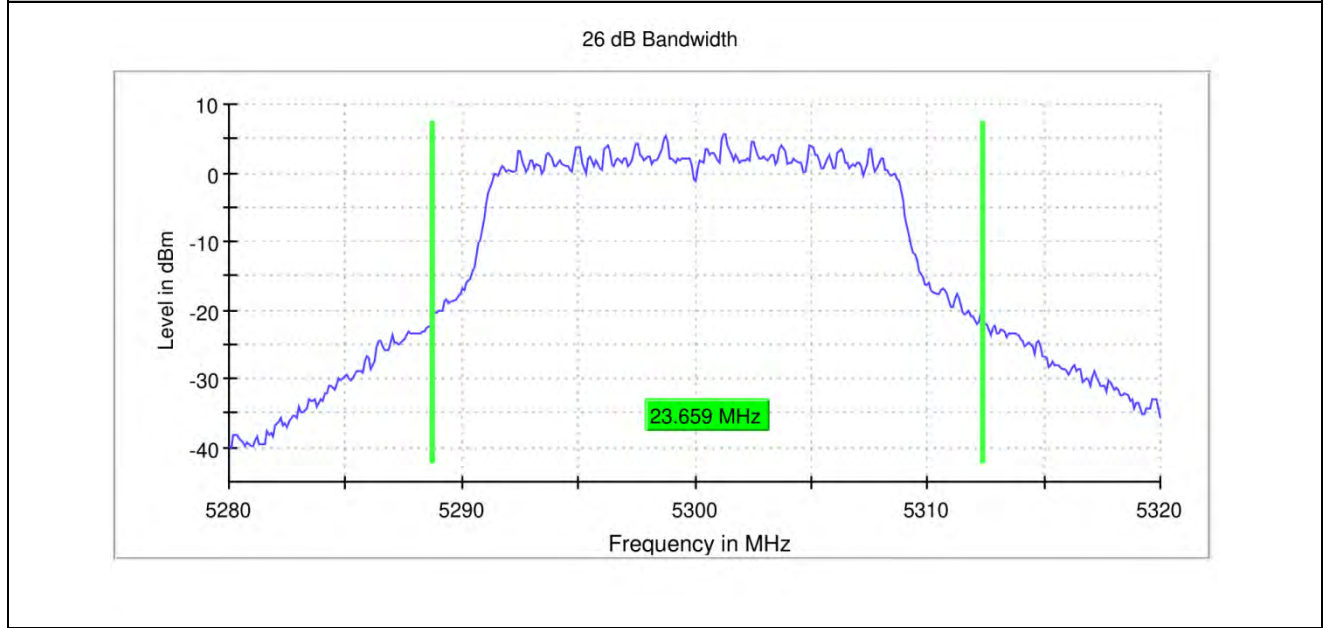
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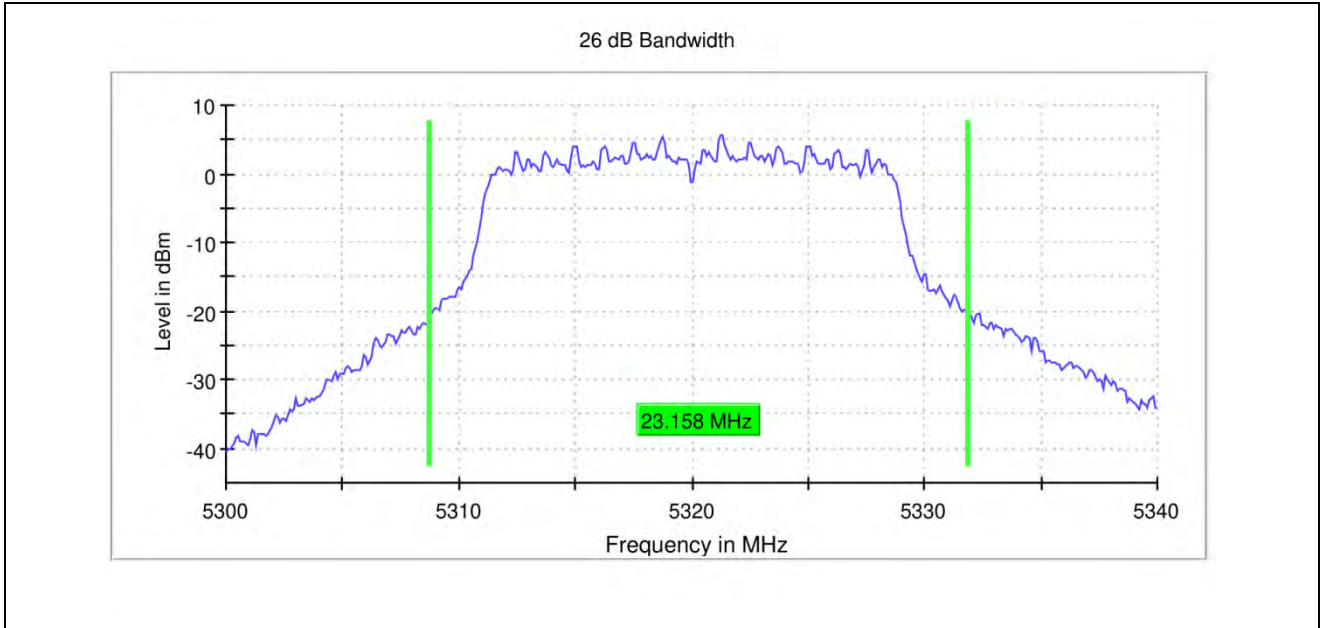
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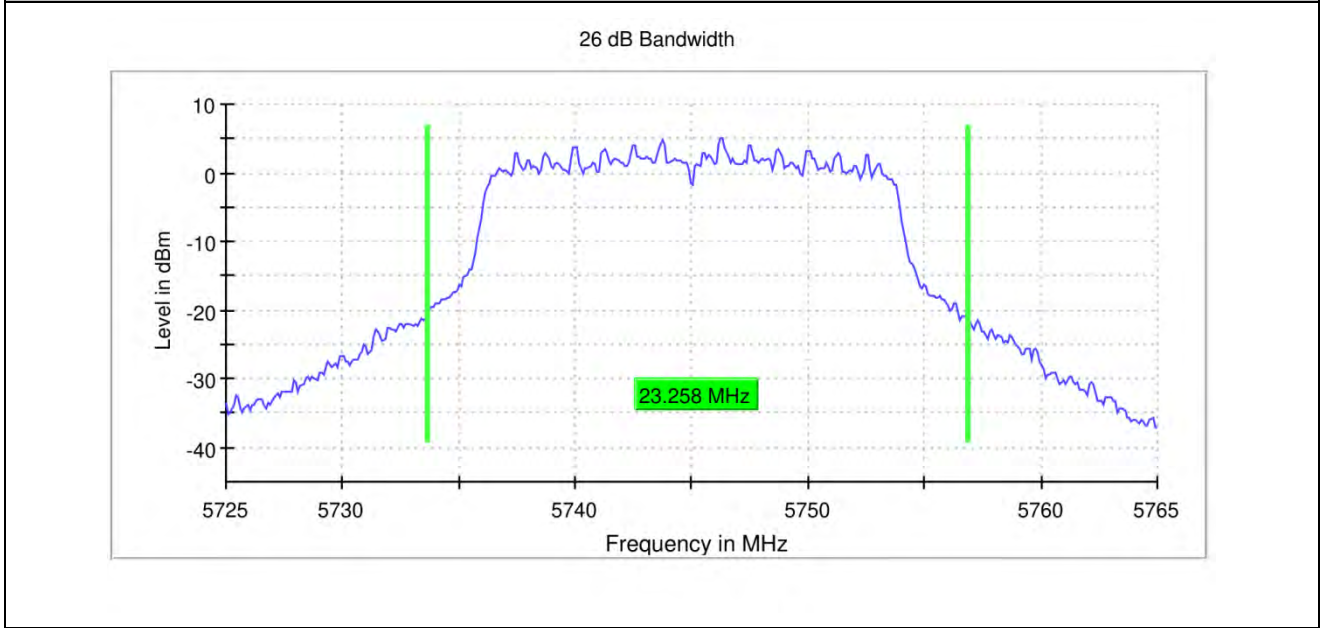
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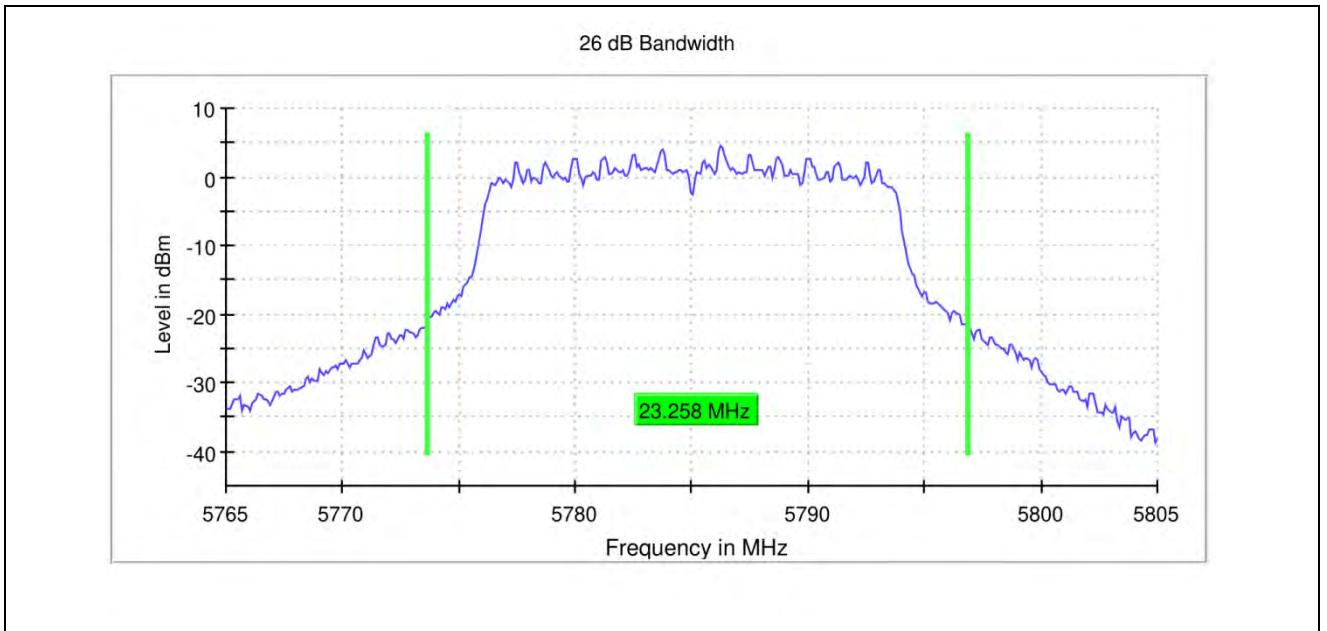
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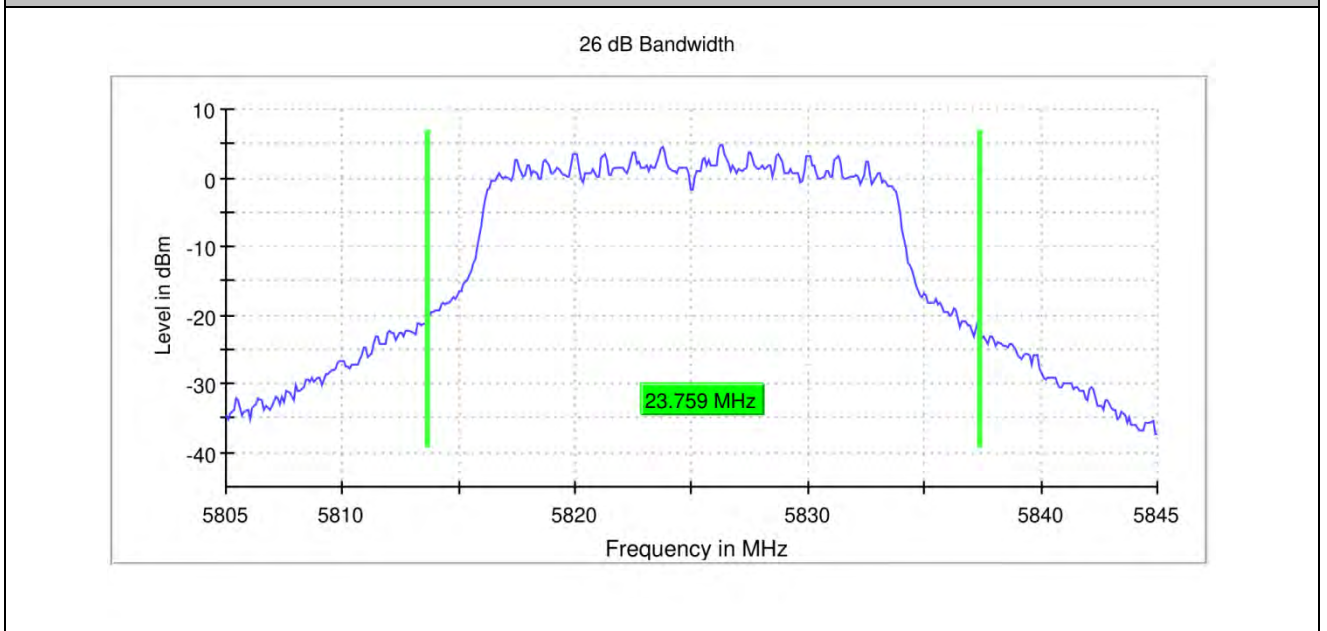
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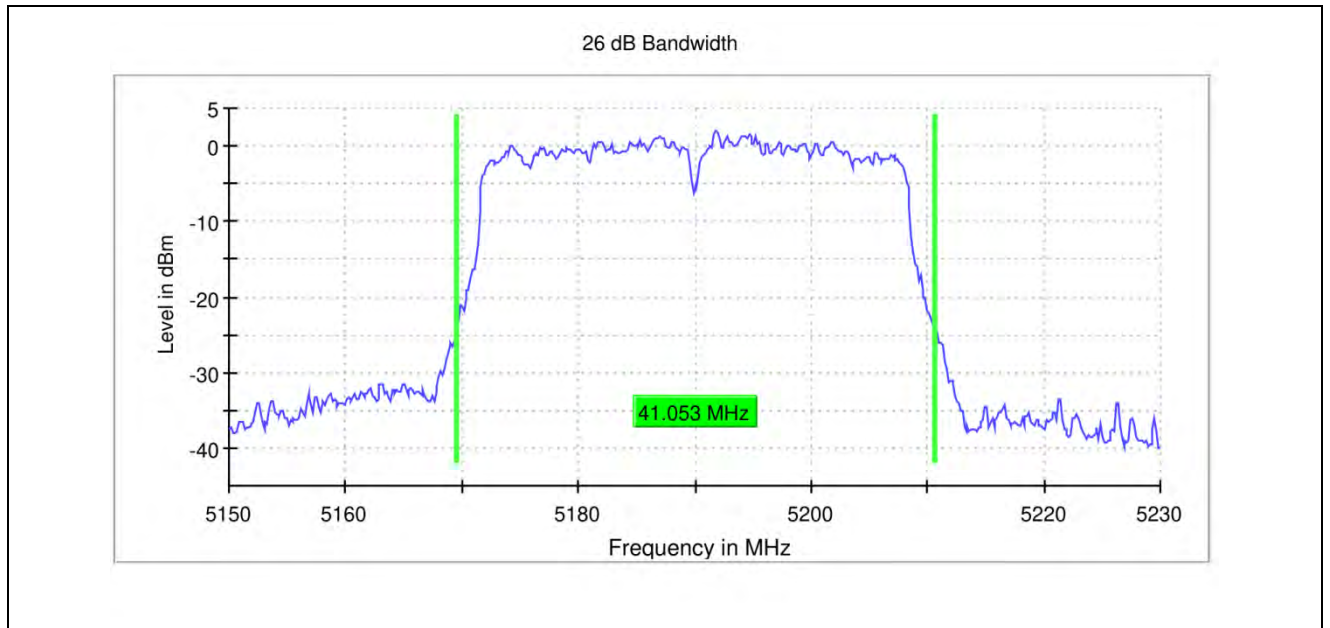
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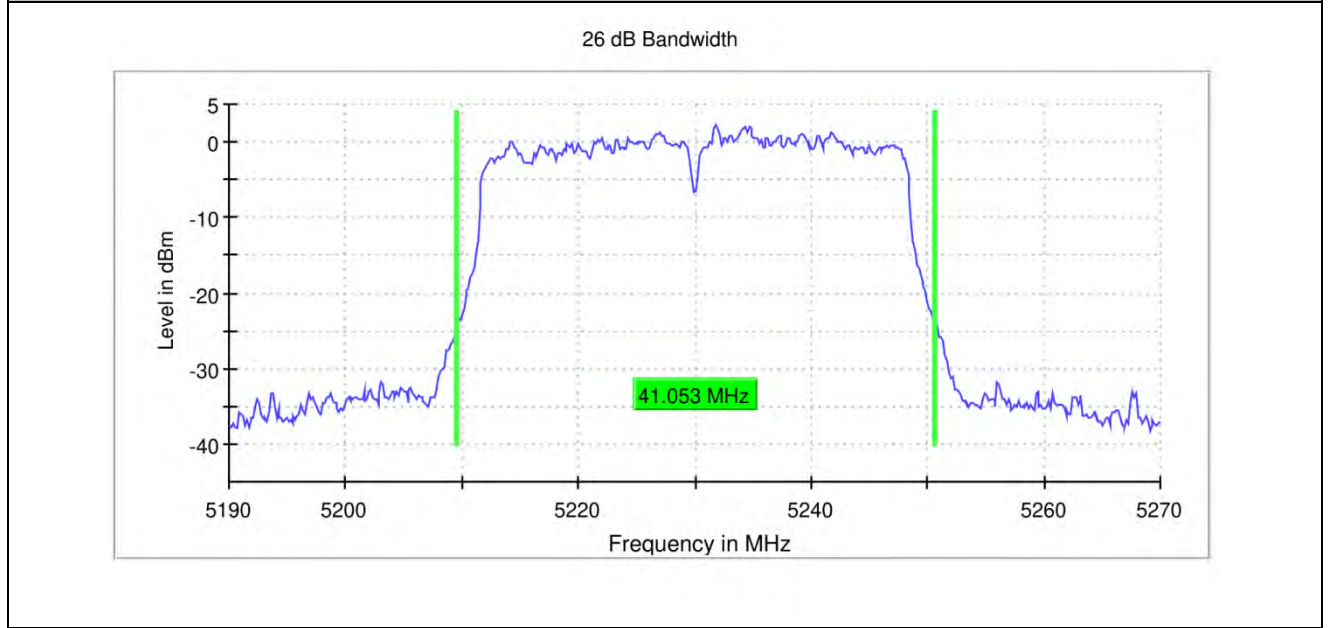
11N20_ANT0_5825



11N40_ANT0_5190



11N40_ANT0_5230

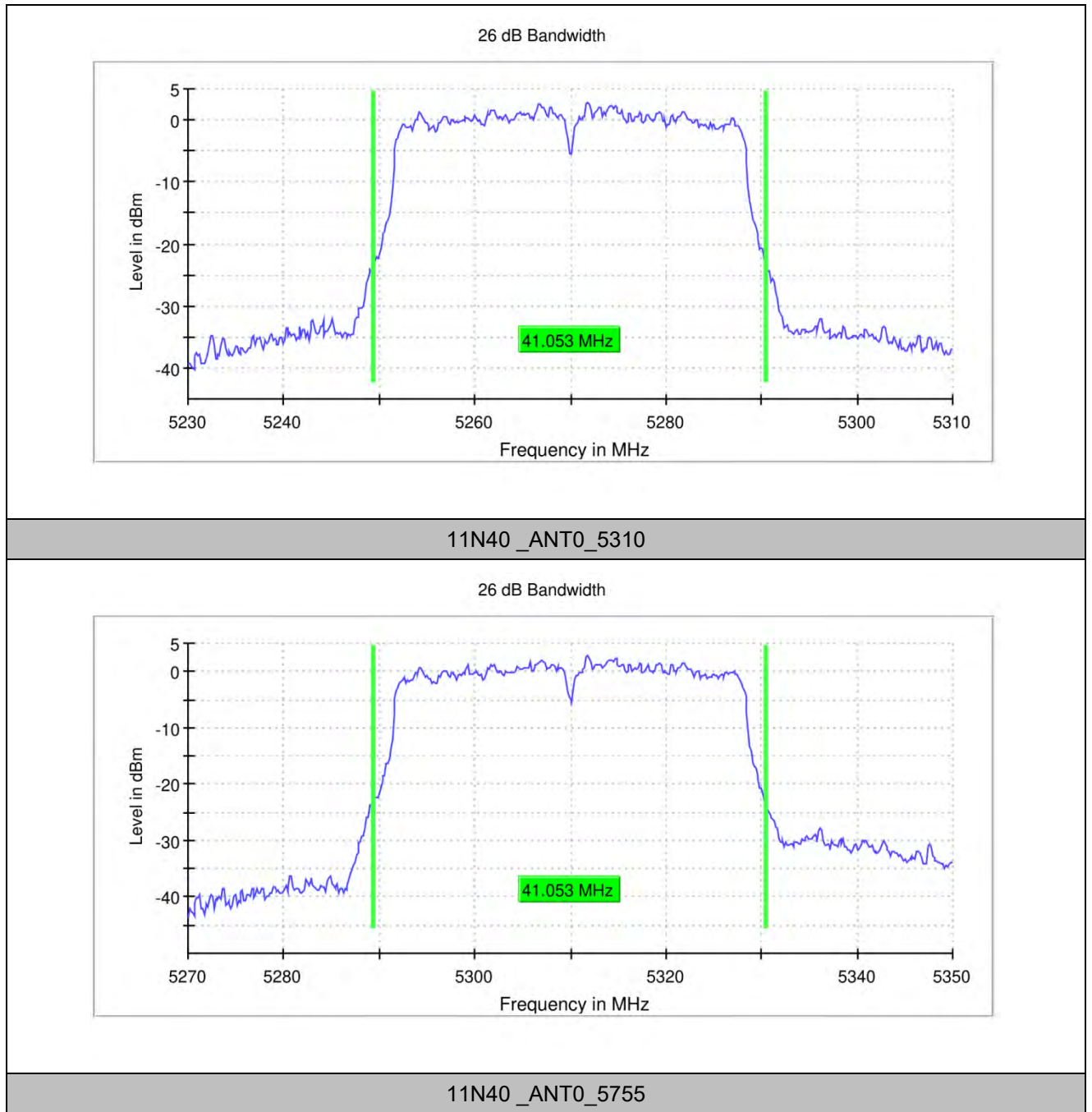


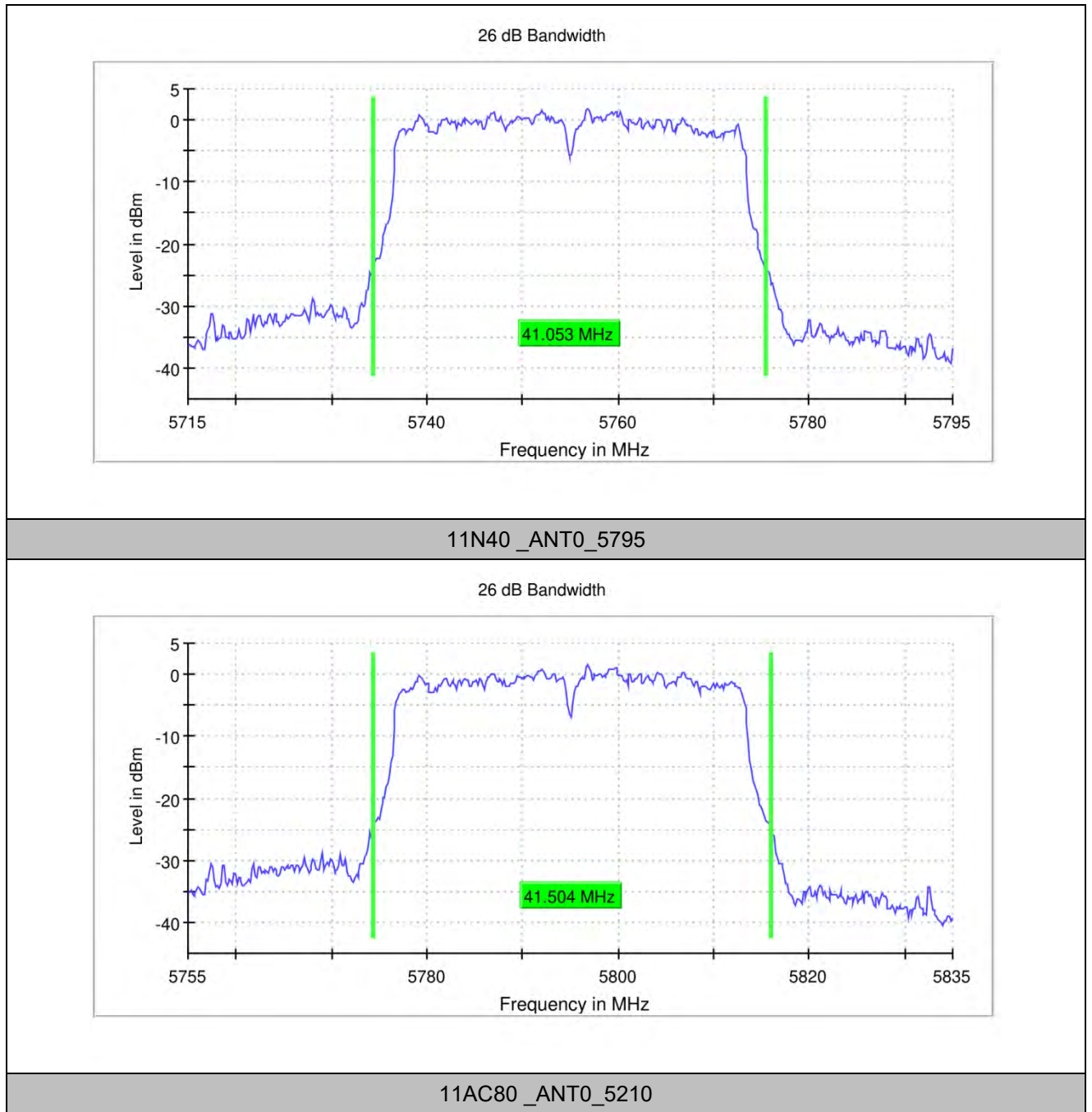
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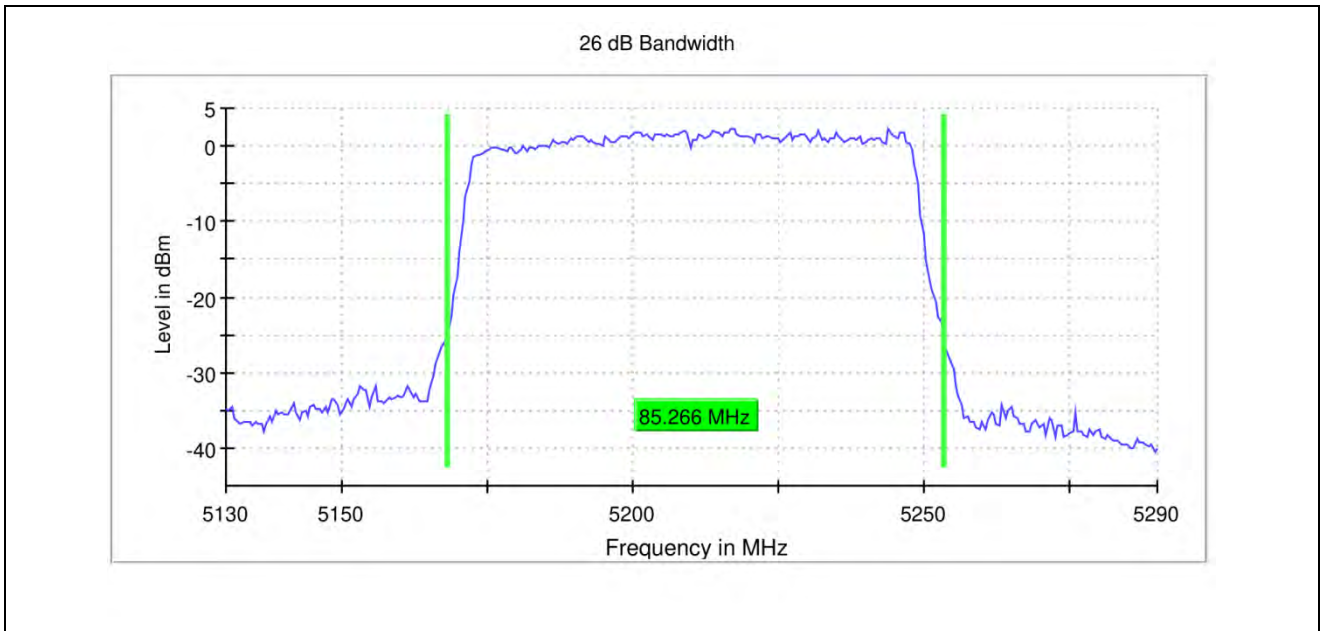


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VERITAS

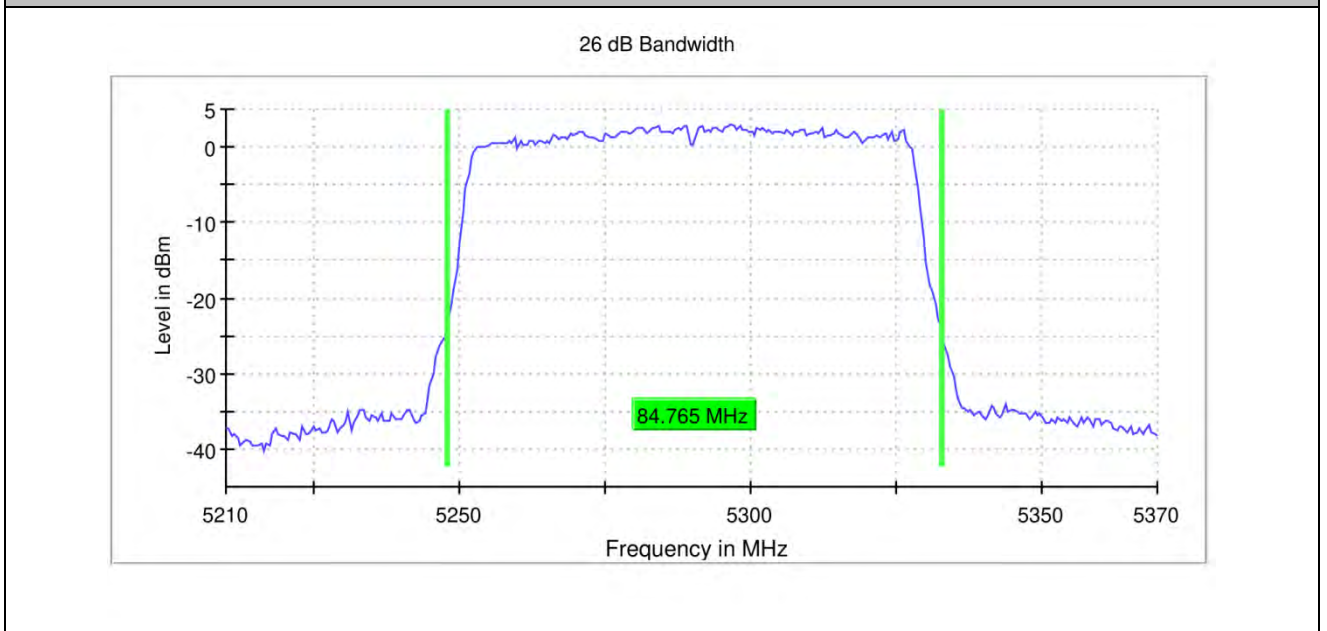
Test Report No.: PSU-NQN2406210109RF09



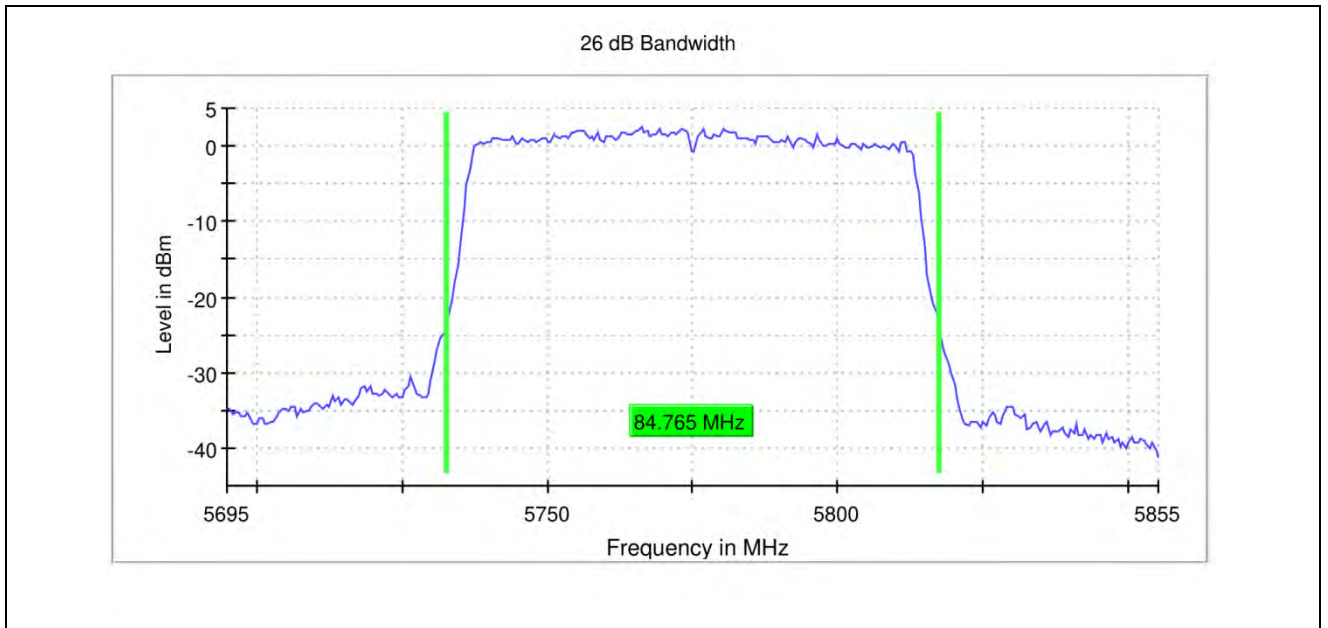




11AC80_ANT0_5290



11AC80_ANT0_5775



20M

RBW200 KHz

VBW 1 MHz

40M

RBW500 KHz

VBW 2 MHz

80M

RBW 1.000 MHz

VBW 3.000 MHz



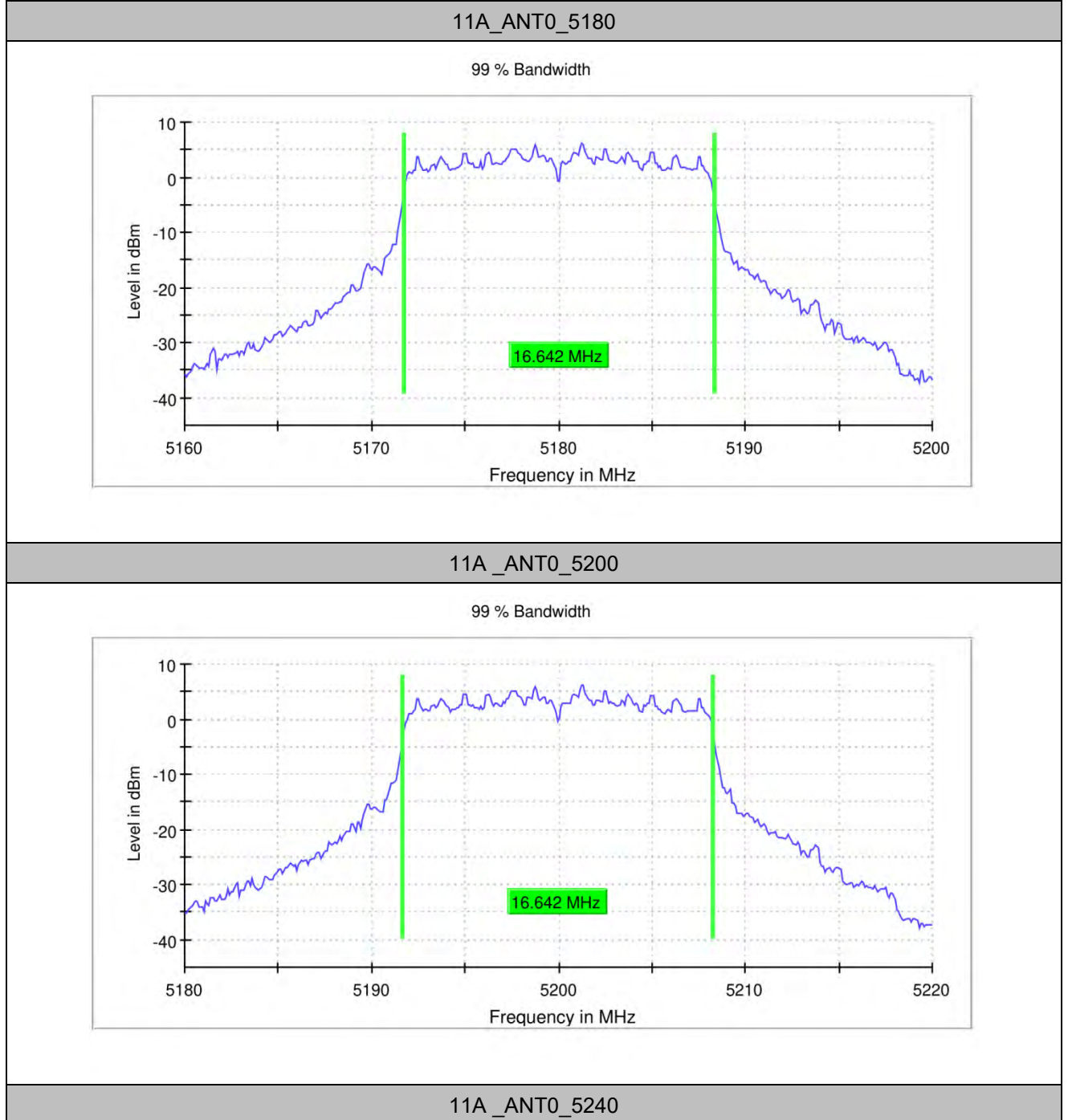
OCCUPIED CHANNEL BANDWIDTH

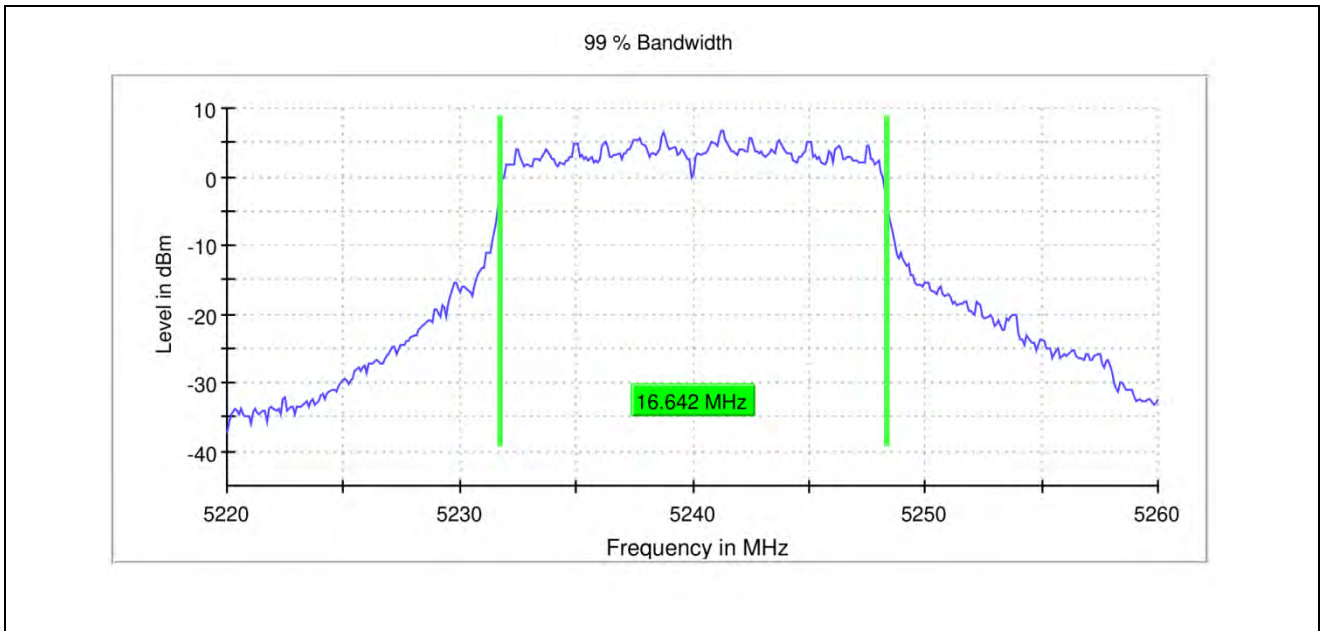
TEST RESULT

| TestMode | Antenna | Frequency [MHz] | OCB [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|-----------------|-----------|----------|----------|------------|---------|
| 11A | ANT0 | 5180 | 16.642 | 5171.729 | 5188.371 | --- | --- |
| | ANT0 | 5200 | 16.642 | 5191.629 | 5208.271 | --- | --- |
| | ANT0 | 5240 | 16.642 | 5231.729 | 5248.371 | --- | --- |
| | ANT0 | 5260 | 16.642 | 5251.729 | 5268.371 | --- | --- |
| | ANT0 | 5300 | 16.742 | 5291.729 | 5308.471 | --- | --- |
| | ANT0 | 5320 | 16.742 | 5311.729 | 5328.471 | --- | --- |
| | ANT0 | 5745 | 16.742 | 5736.629 | 5753.371 | --- | --- |
| | ANT0 | 5785 | 16.742 | 5776.629 | 5793.371 | --- | --- |
| | ANT0 | 5825 | 16.742 | 5816.629 | 5833.371 | --- | --- |
| 11N20 | ANT0 | 5180 | 17.845 | 5171.128 | 5188.973 | --- | --- |
| | ANT0 | 5200 | 17.945 | 5191.028 | 5208.973 | --- | --- |
| | ANT0 | 5240 | 17.845 | 5231.128 | 5248.973 | --- | --- |
| | ANT0 | 5260 | 17.845 | 5251.128 | 5268.973 | --- | --- |
| | ANT0 | 5300 | 17.845 | 5291.128 | 5308.973 | --- | --- |
| | ANT0 | 5320 | 17.845 | 5311.128 | 5328.973 | --- | --- |
| | ANT0 | 5745 | 17.945 | 5736.028 | 5753.973 | --- | --- |
| | ANT0 | 5785 | 17.945 | 5776.028 | 5793.973 | --- | --- |
| | ANT0 | 5825 | 17.945 | 5816.028 | 5833.973 | --- | --- |
| 11N40 | ANT0 | 5190 | 36.364 | 5171.818 | 5208.182 | --- | --- |
| | ANT0 | 5230 | 36.614 | 5211.818 | 5248.432 | --- | --- |
| | ANT0 | 5270 | 36.364 | 5251.818 | 5288.182 | --- | --- |
| | ANT0 | 5310 | 36.364 | 5291.818 | 5328.182 | --- | --- |
| | ANT0 | 5755 | 36.614 | 5736.567 | 5773.181 | --- | --- |
| | ANT0 | 5795 | 36.364 | 5776.818 | 5813.182 | --- | --- |
| 11AC80 | ANT0 | 5210 | 76.238 | 5172.132 | 5248.370 | --- | --- |
| | ANT0 | 5290 | 76.238 | 5252.132 | 5328.370 | --- | --- |
| | ANT0 | 5775 | 76.238 | 5736.630 | 5812.868 | --- | --- |

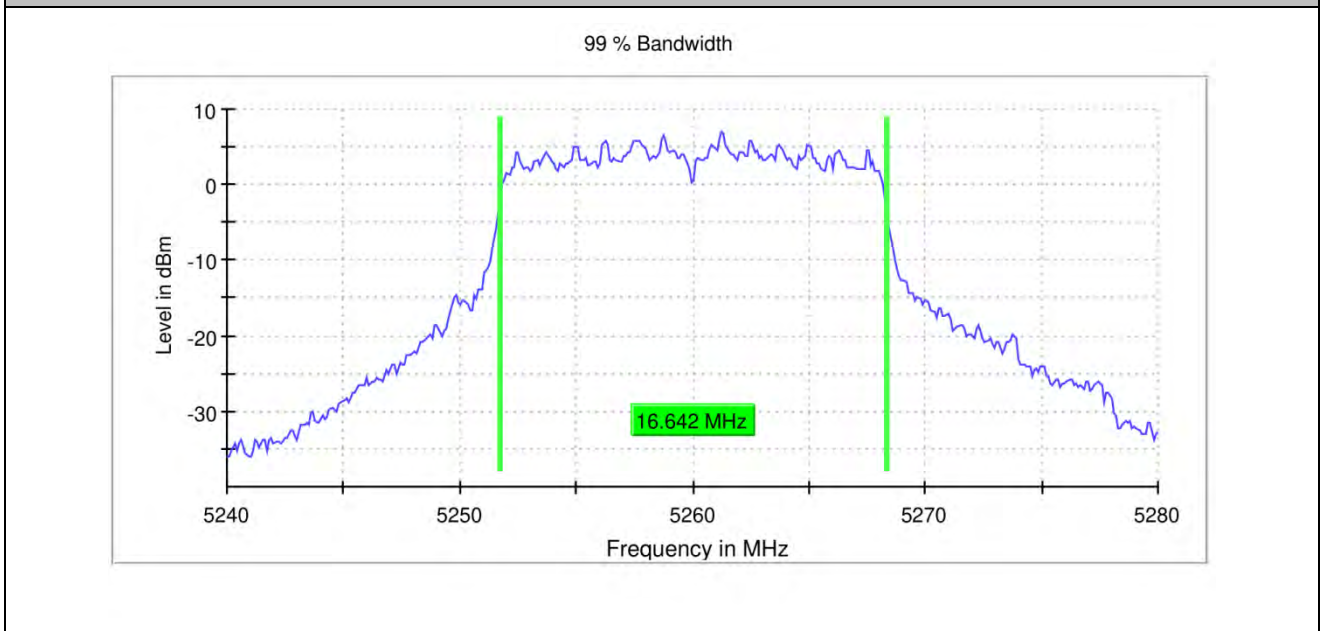


TEST GRAPHS

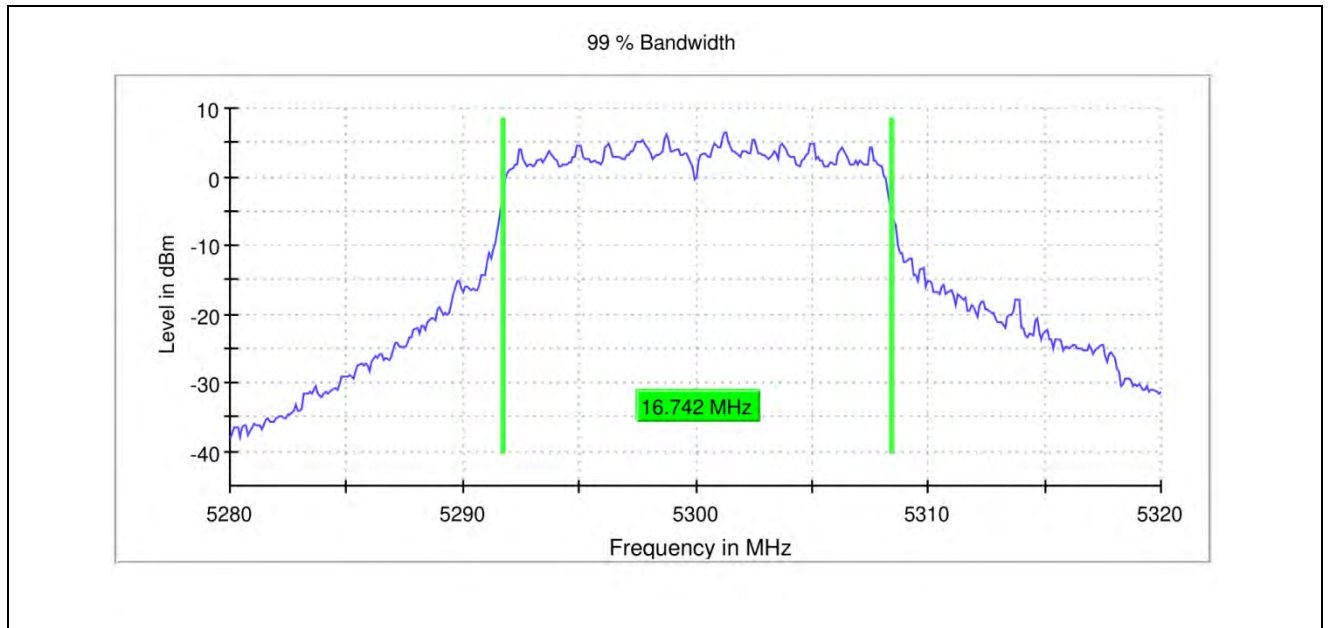




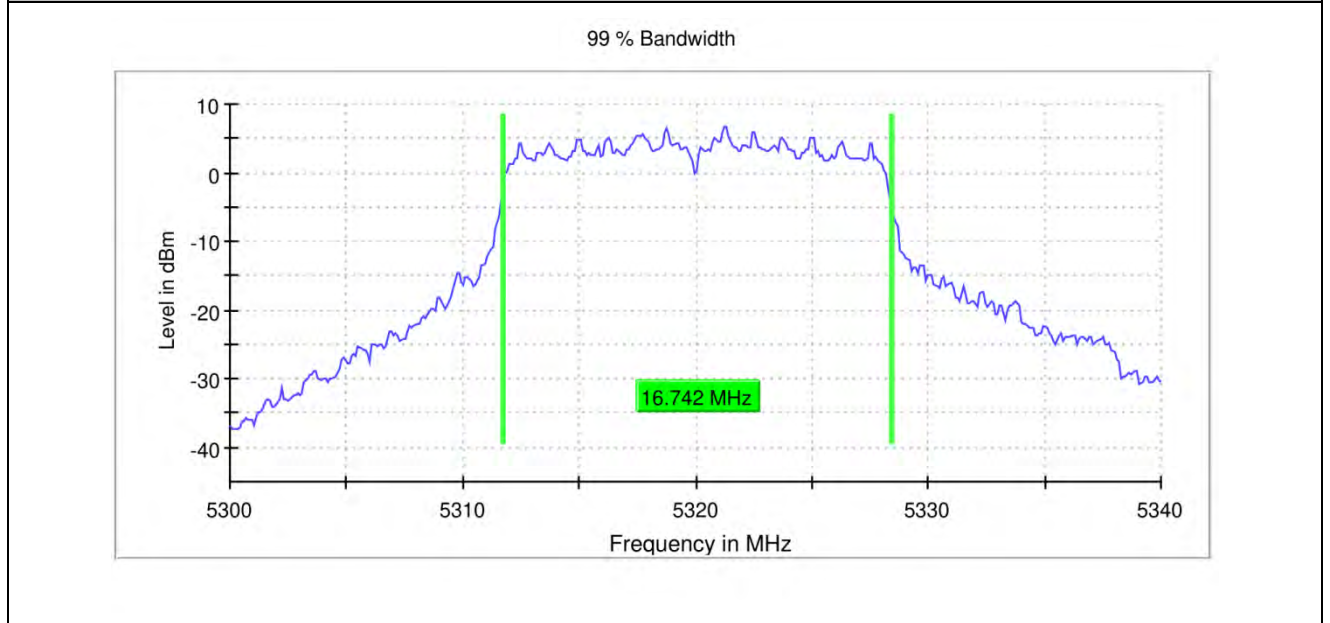
11A_ANT0_5260



11A_ANT0_5300



11A_ANT0_5320

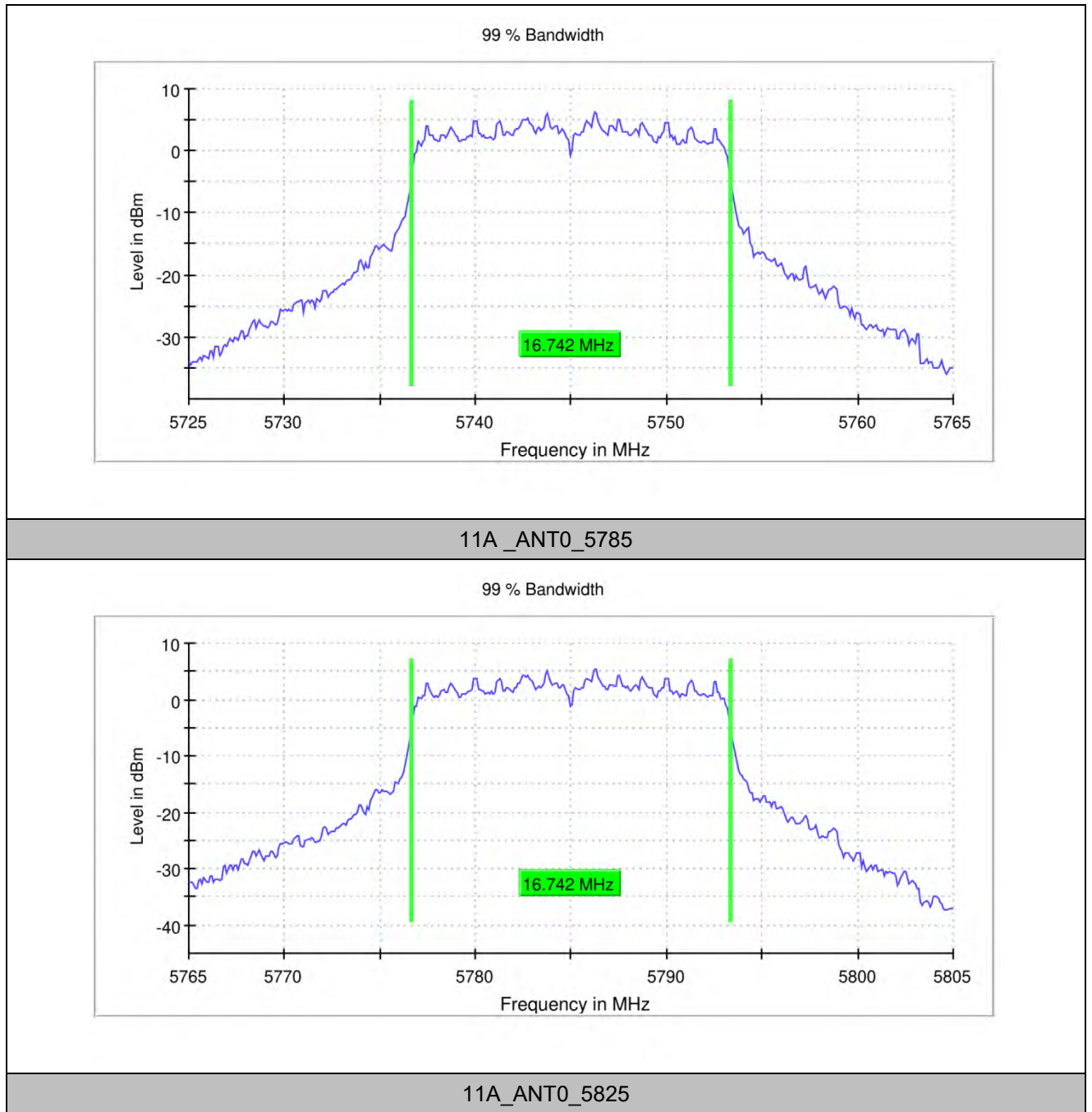


11A_ANT0_5745



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VERITAS

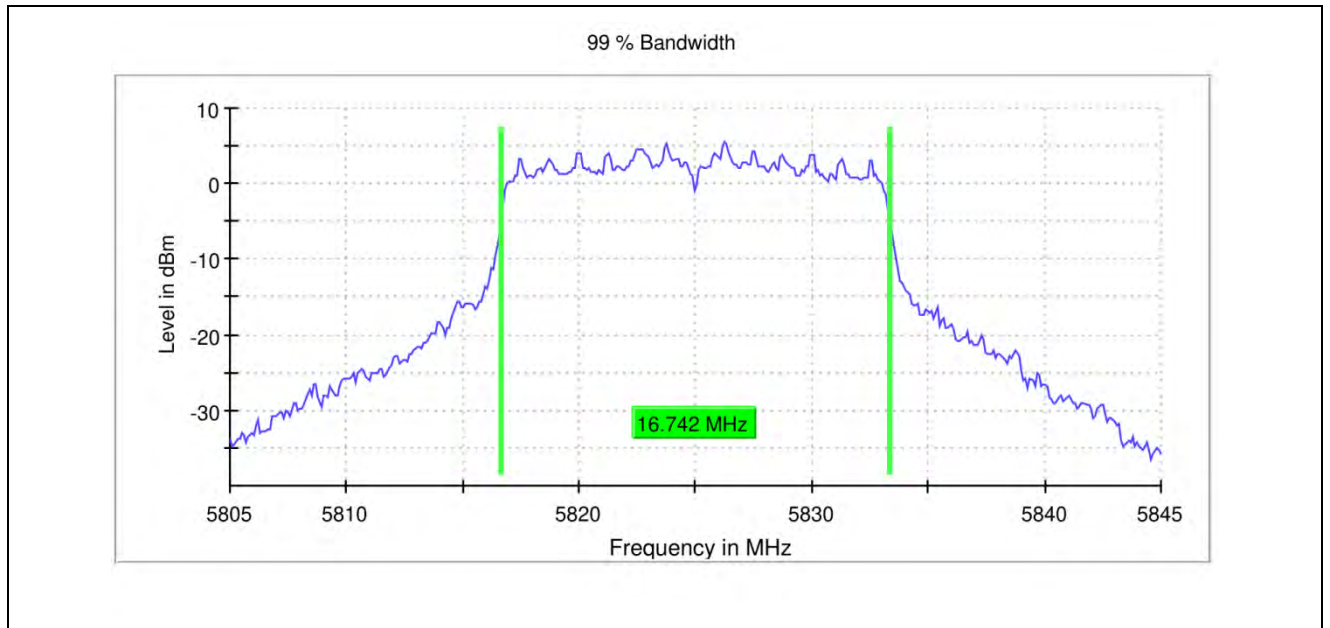
Test Report No.: PSU-NQN2406210109RF09



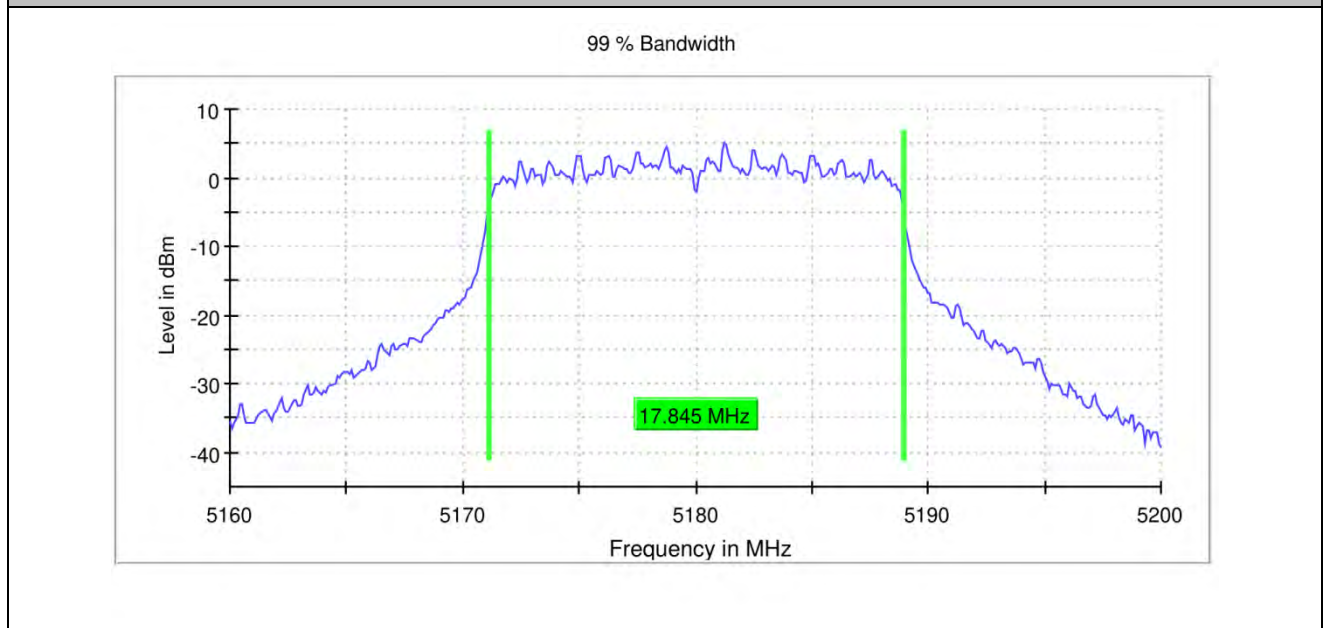


BUREAU
VERITAS

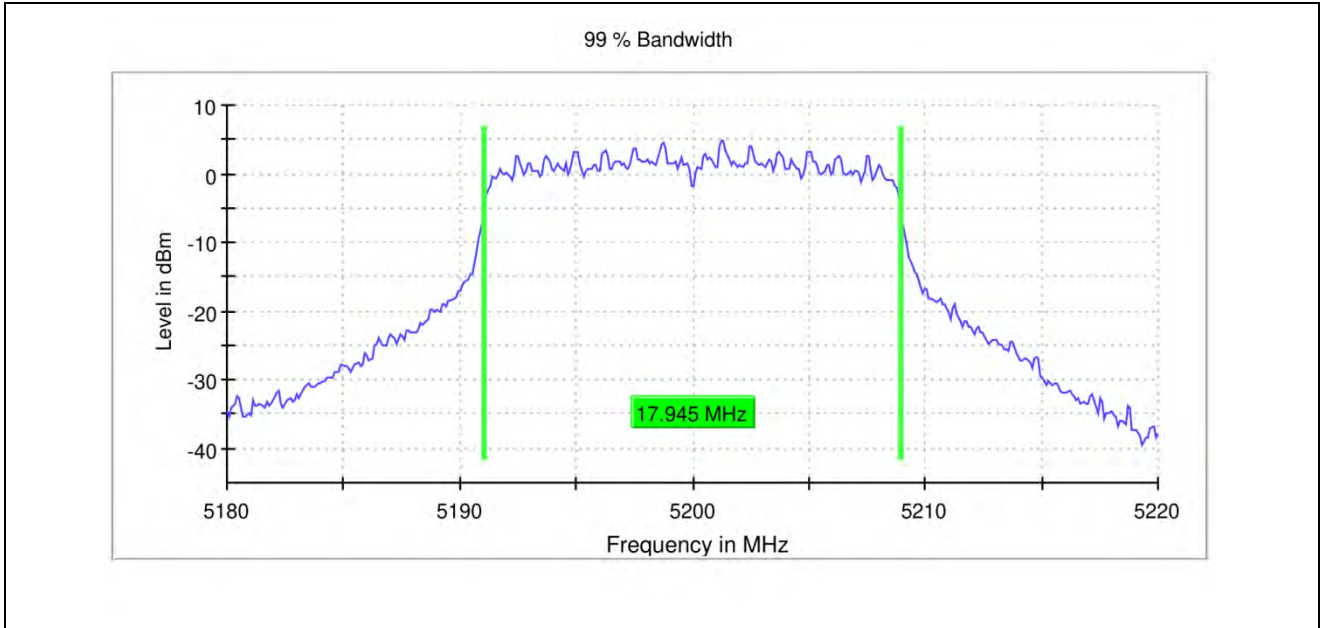
Test Report No.: PSU-NQN2406210109RF09



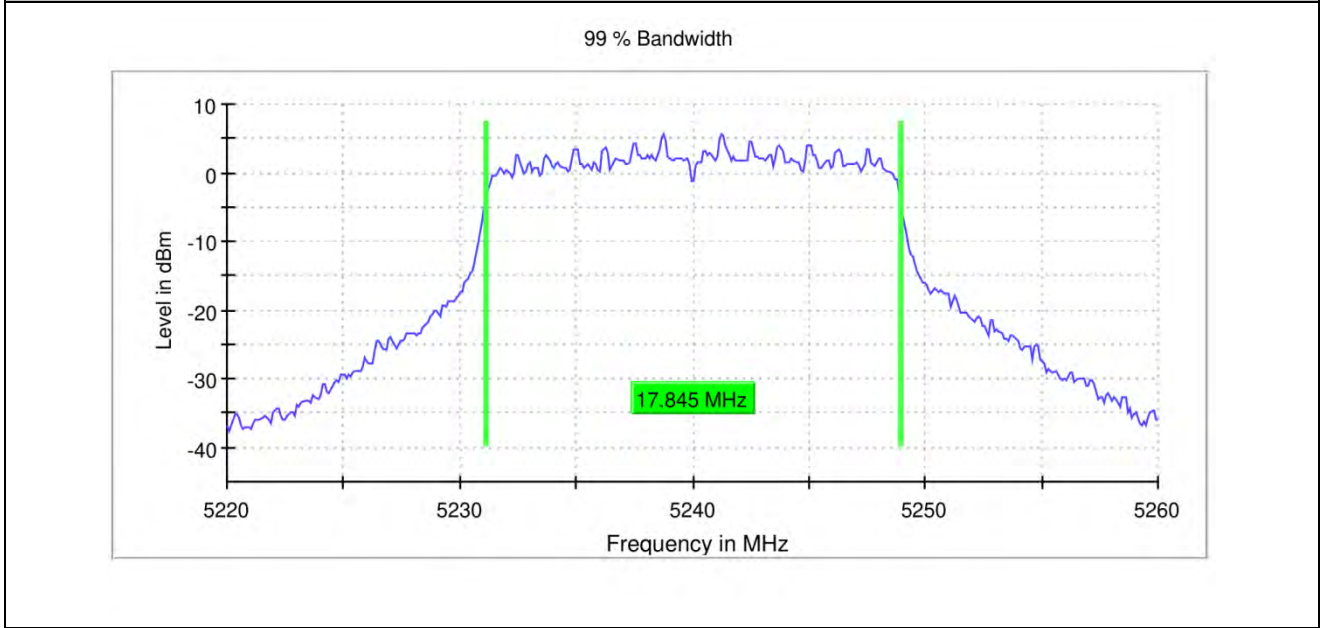
11N20_ANT0_5180



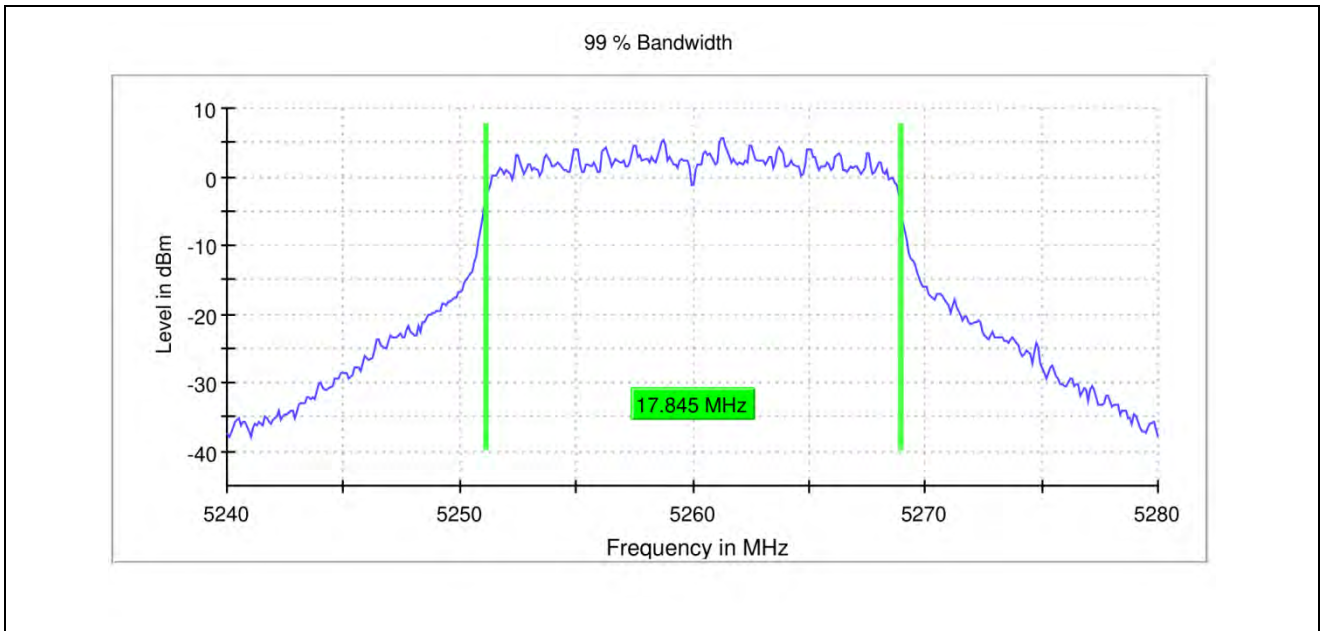
11N20_ANT0_5200



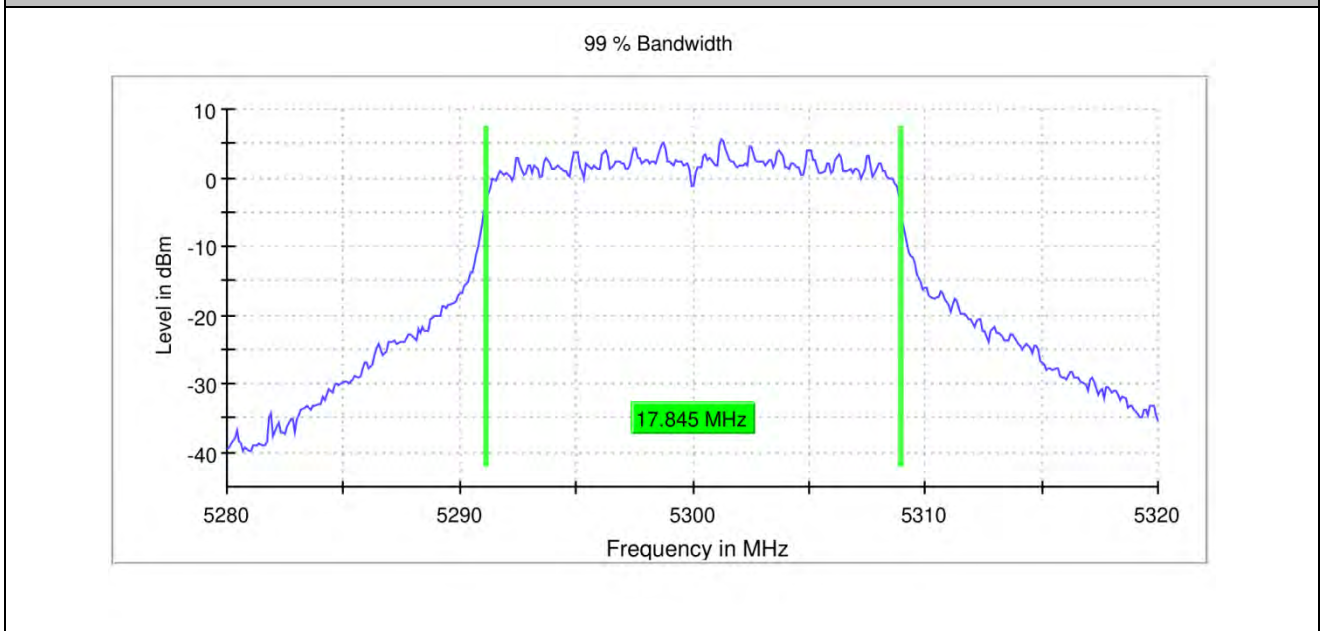
11N20_ANT0_5240



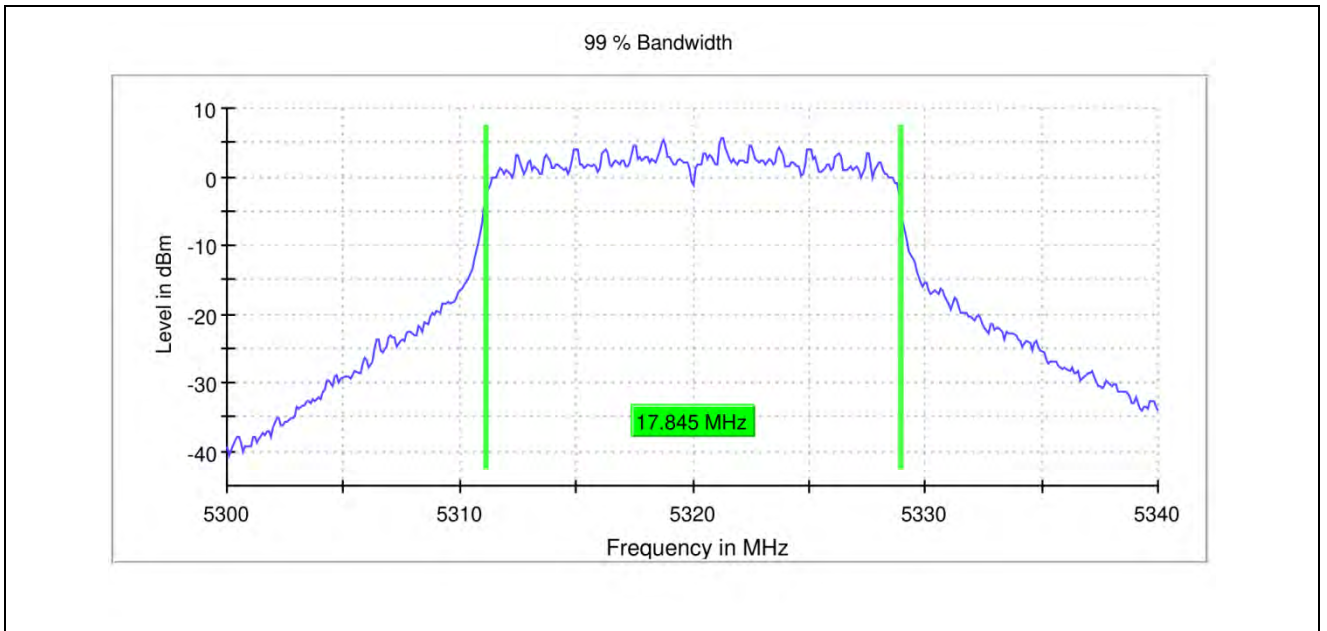
11N20_ANT0_5260



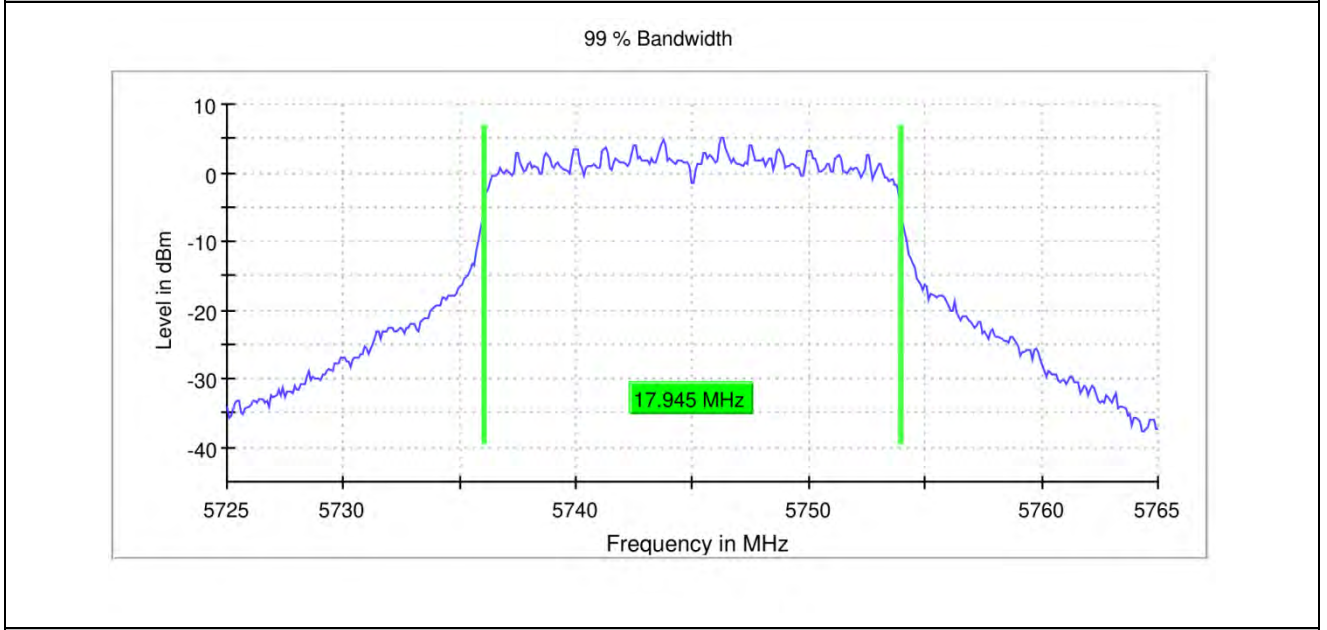
11N20_ANT0_5300



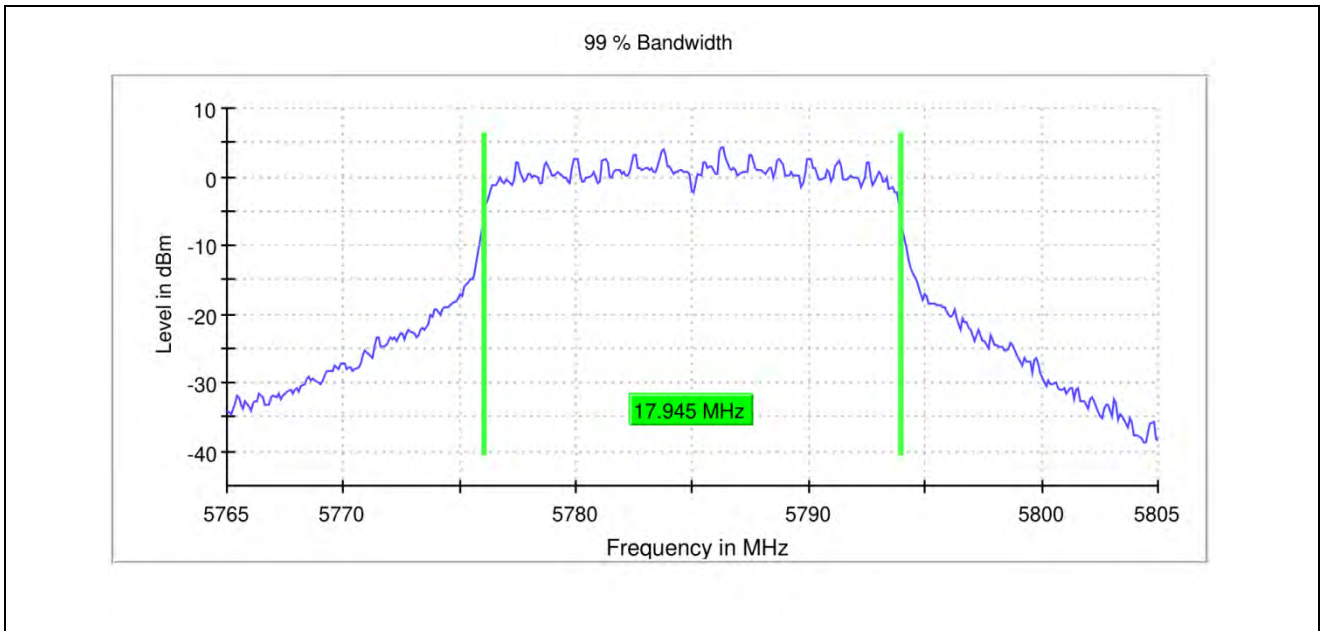
11N20_ANT0_5320



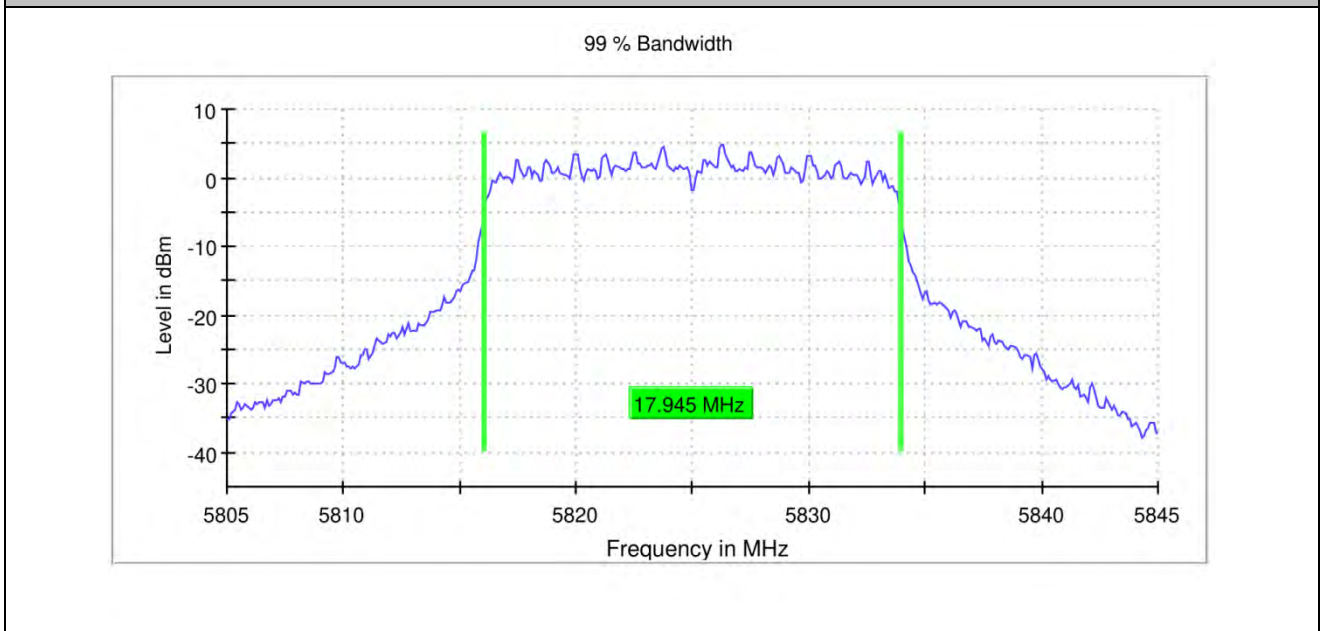
11N20_ANT0_5745



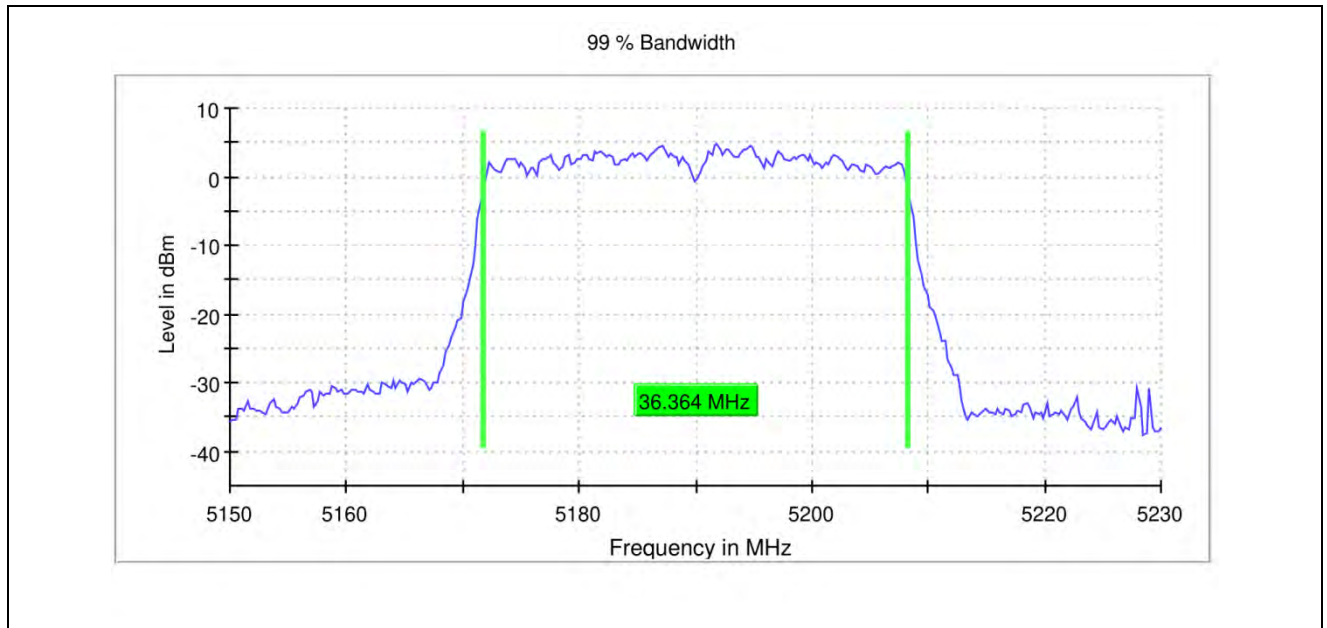
11N20_ANT0_5785



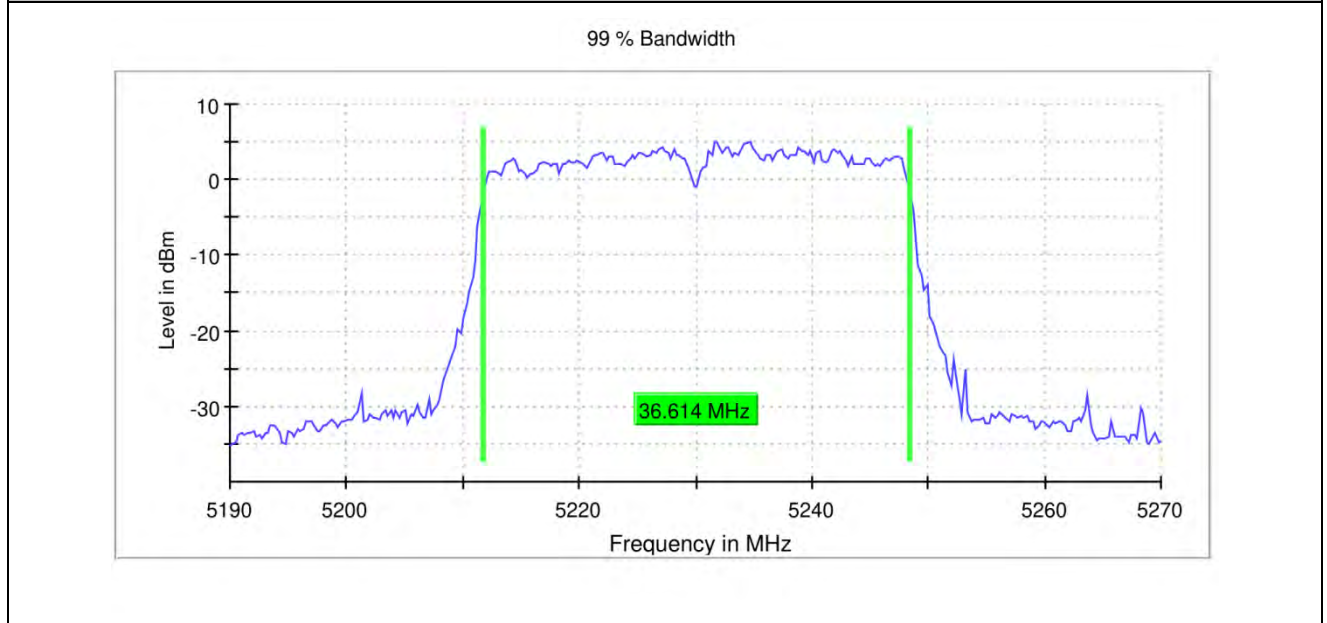
11N20_ANT0_5825



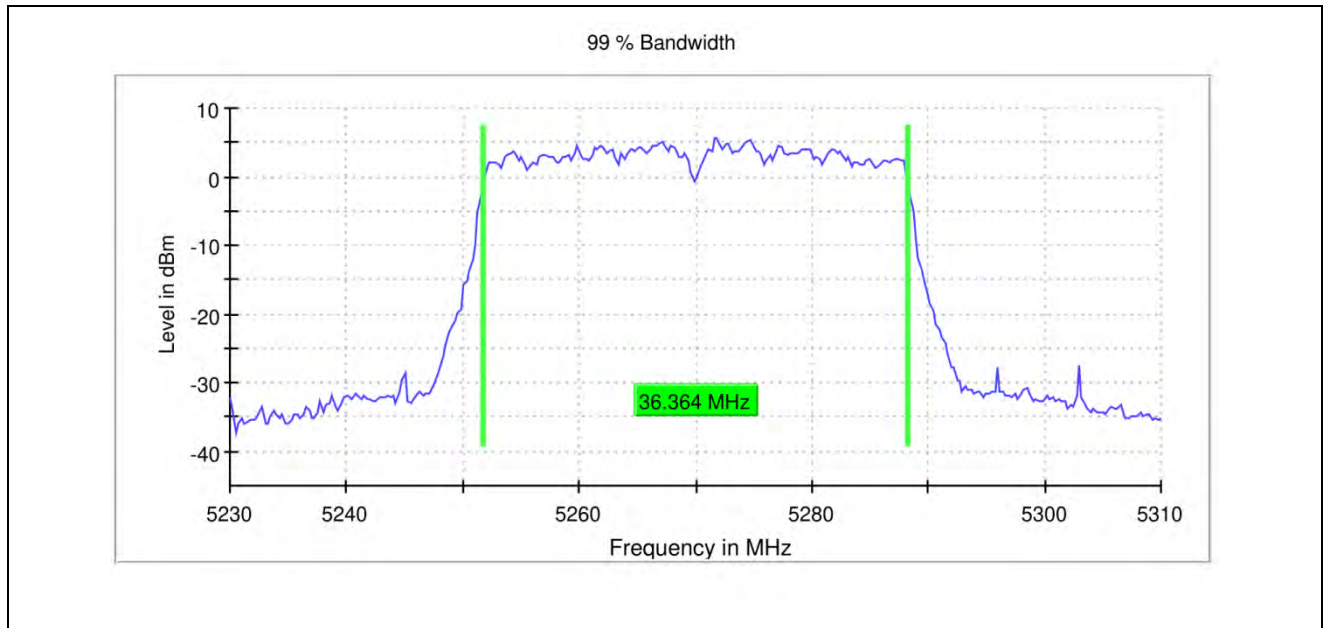
11N40_ANT0_5190



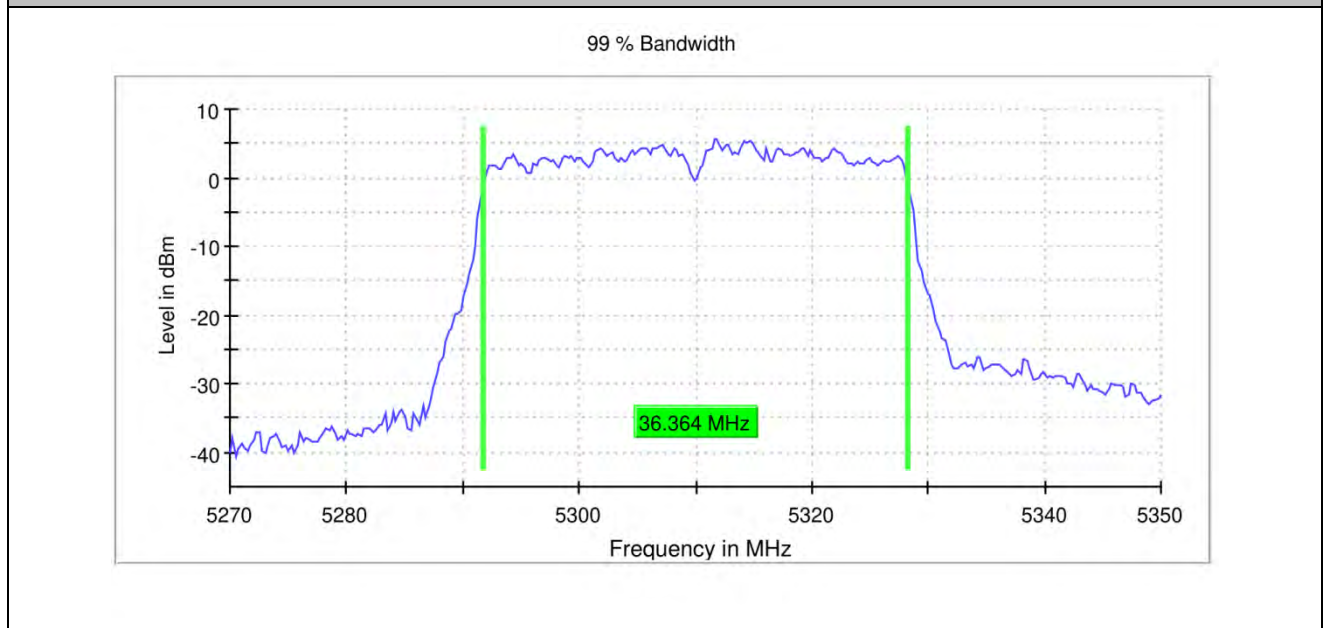
11N40_ANT0_5230



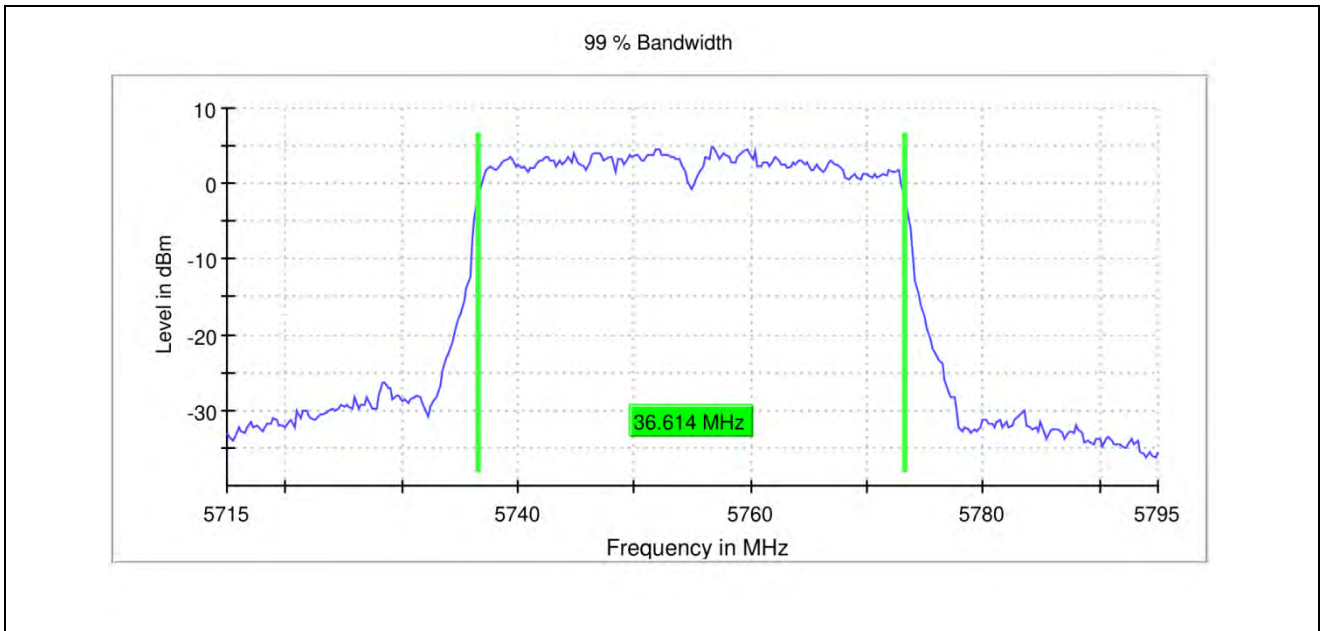
11N40_ANT0_5270



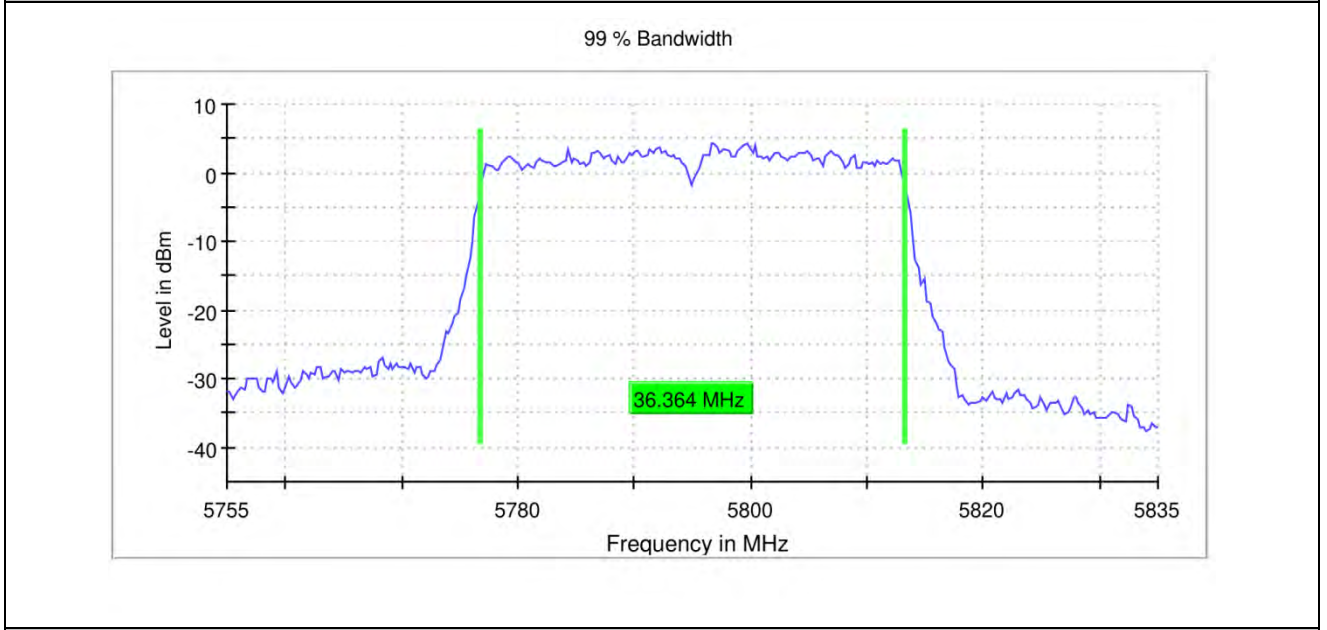
11N40_ANT0_5310



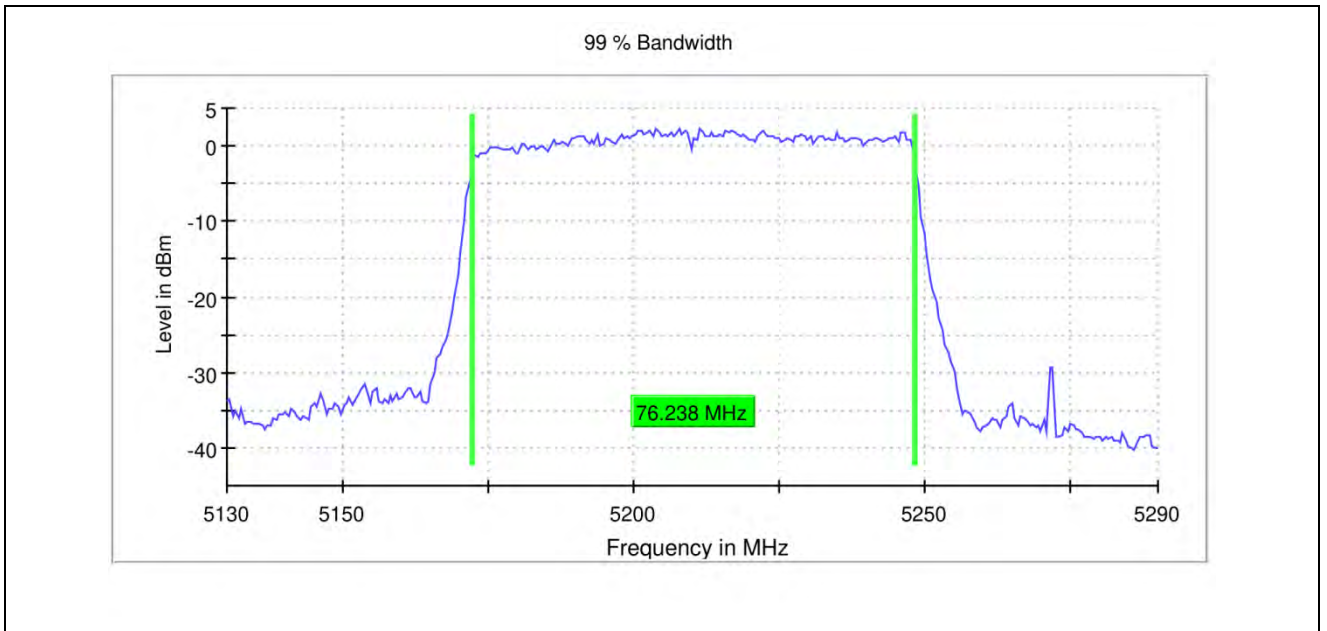
11N40_ANT0_5755



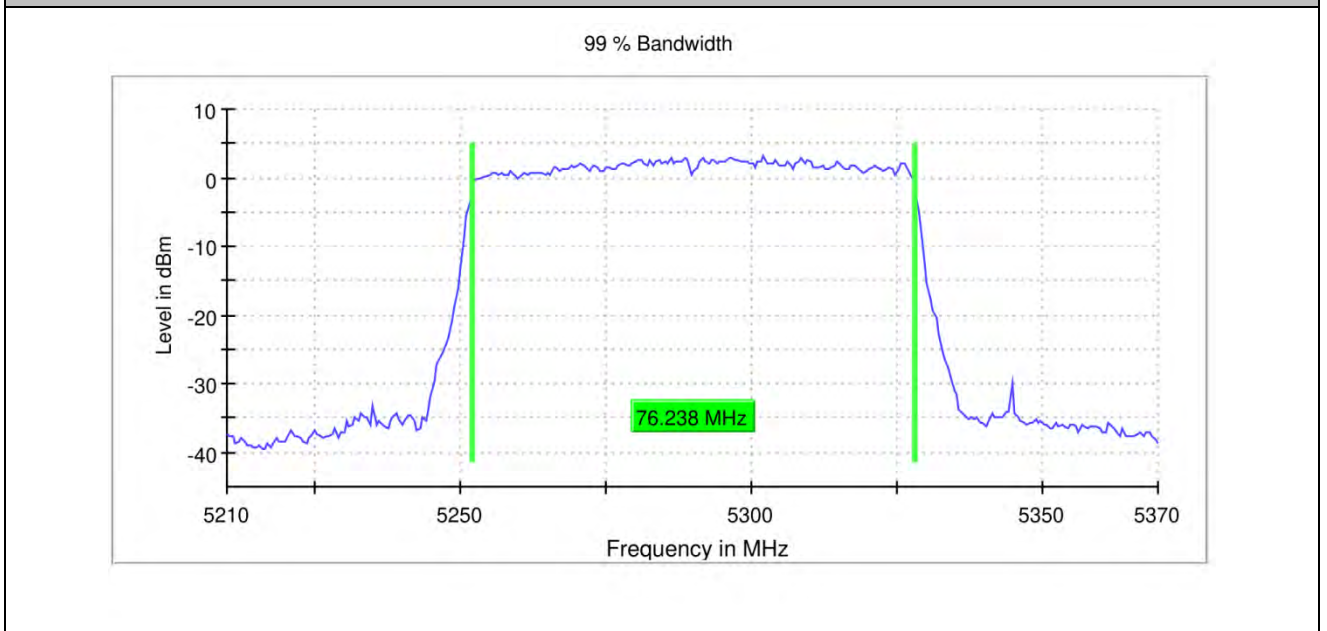
11N40_ANT0_5795



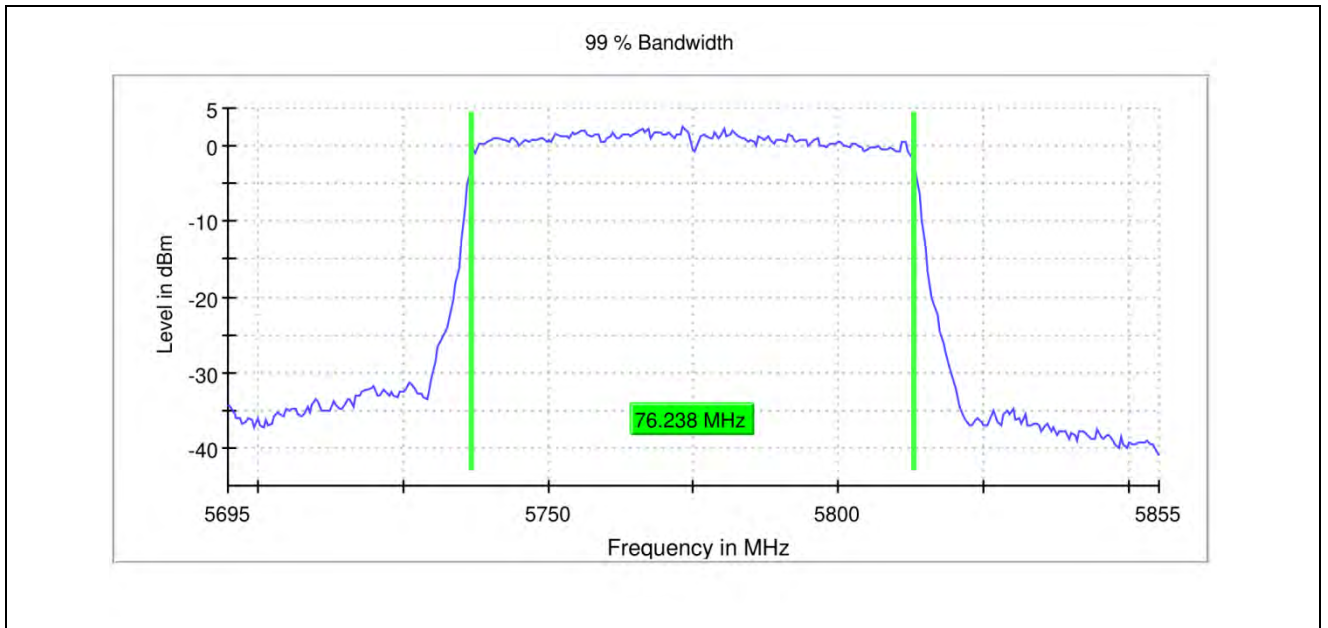
11AC80_ANT0_5210



11AC80_ANT0_5290



11AC80_ANT0_5775



20M

RBW 200.000 kHz

VBW 1.000 MHz

40M

RBW 500.000 kHz

VBW 2.000 MHz

80M

RBW 1.000 MHz

VBW 3.000 MHz



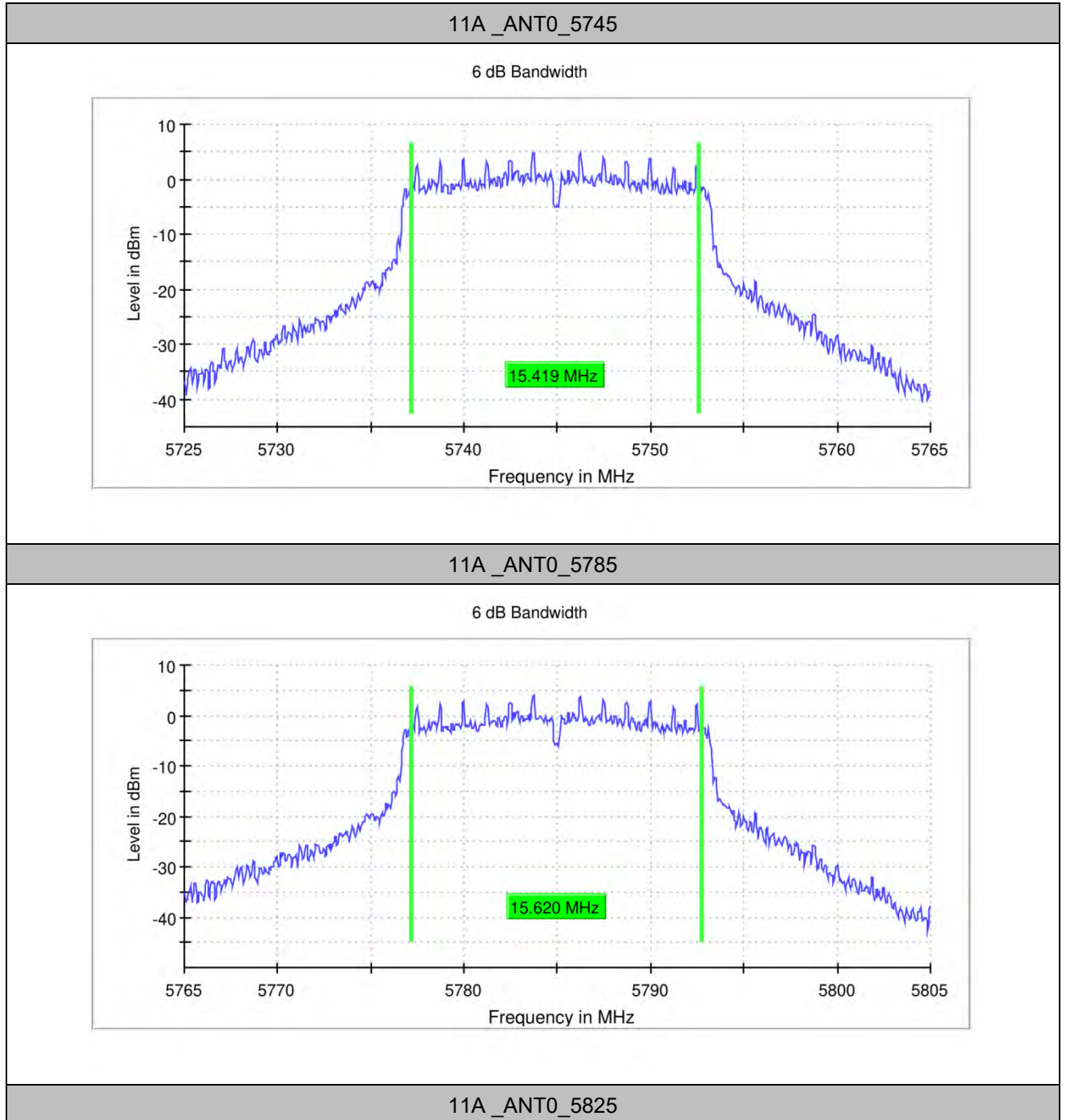
MIN EMISSION BANDWIDTH

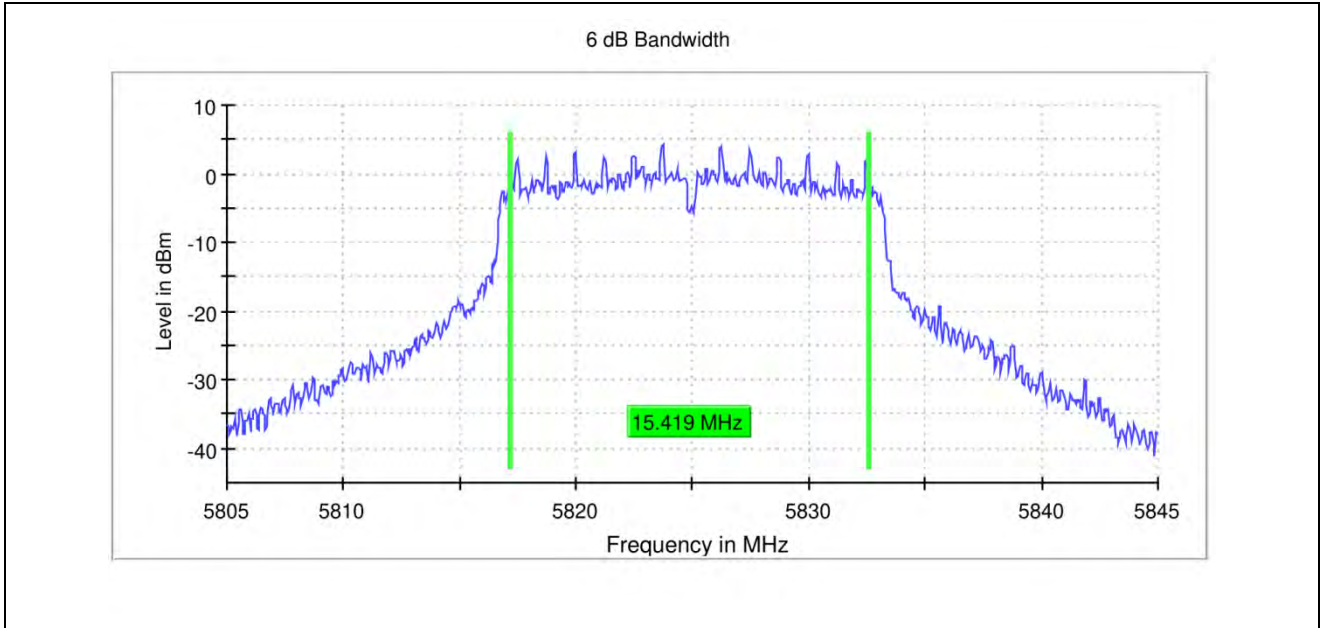
TEST RESULT B4

| TestMode | Antenna | Frequency [MHz] | 6db EBW [MHz] | FL[MHz] | FH[MHz] | Limit[MHz] | Verdict |
|----------|---------|-----------------|---------------|----------|----------|------------|---------|
| 11A | ANT0 | 5745 | 15.419 | 5737.165 | 5752.584 | 0.5 | PASS |
| | ANT0 | 5785 | 15.620 | 5777.165 | 5792.785 | 0.5 | PASS |
| | ANT0 | 5825 | 15.419 | 5817.165 | 5832.584 | 0.5 | PASS |
| 11N20 | ANT0 | 5745 | 15.870 | 5736.715 | 5752.585 | 0.5 | PASS |
| | ANT0 | 5785 | 16.270 | 5776.414 | 5792.684 | 0.5 | PASS |
| | ANT0 | 5825 | 15.870 | 5816.715 | 5832.585 | 0.5 | PASS |
| 11N40 | ANT0 | 5755 | 35.472 | 5737.164 | 5772.636 | 0.5 | PASS |
| | ANT0 | 5795 | 35.822 | 5777.164 | 5812.986 | 0.5 | PASS |
| 11AC80 | ANT0 | 5775 | 75.274 | 5737.363 | 5812.637 | 0.5 | PASS |

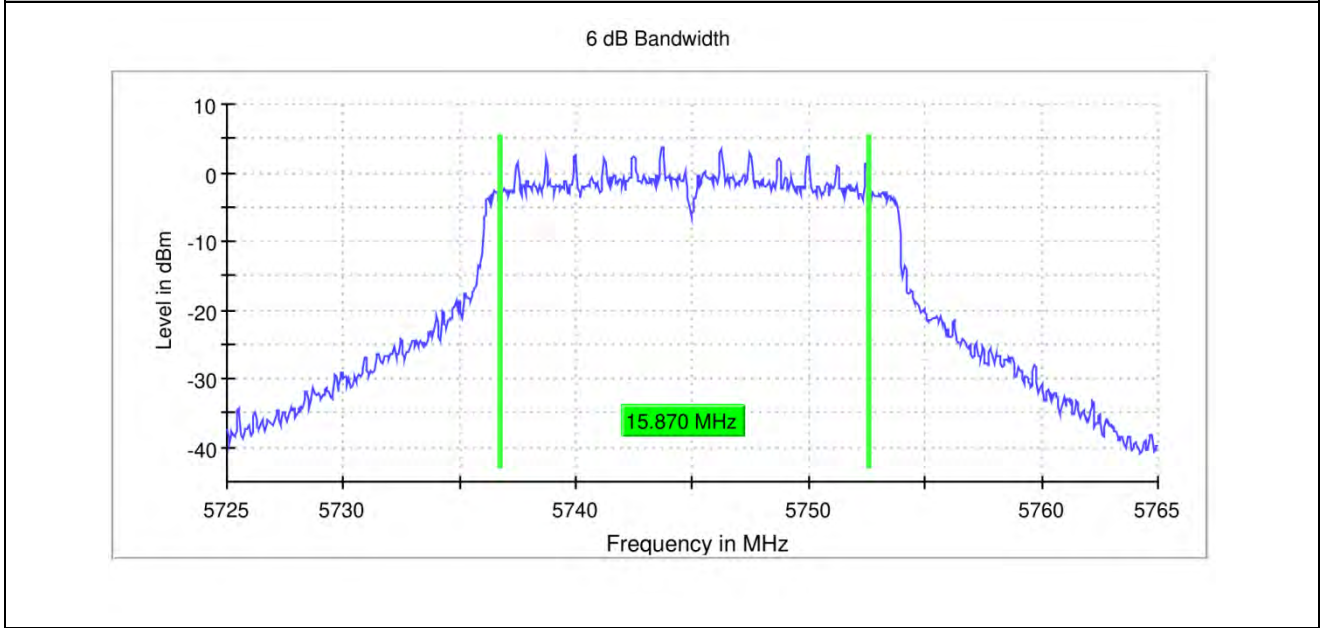


TEST GRAPHS B4

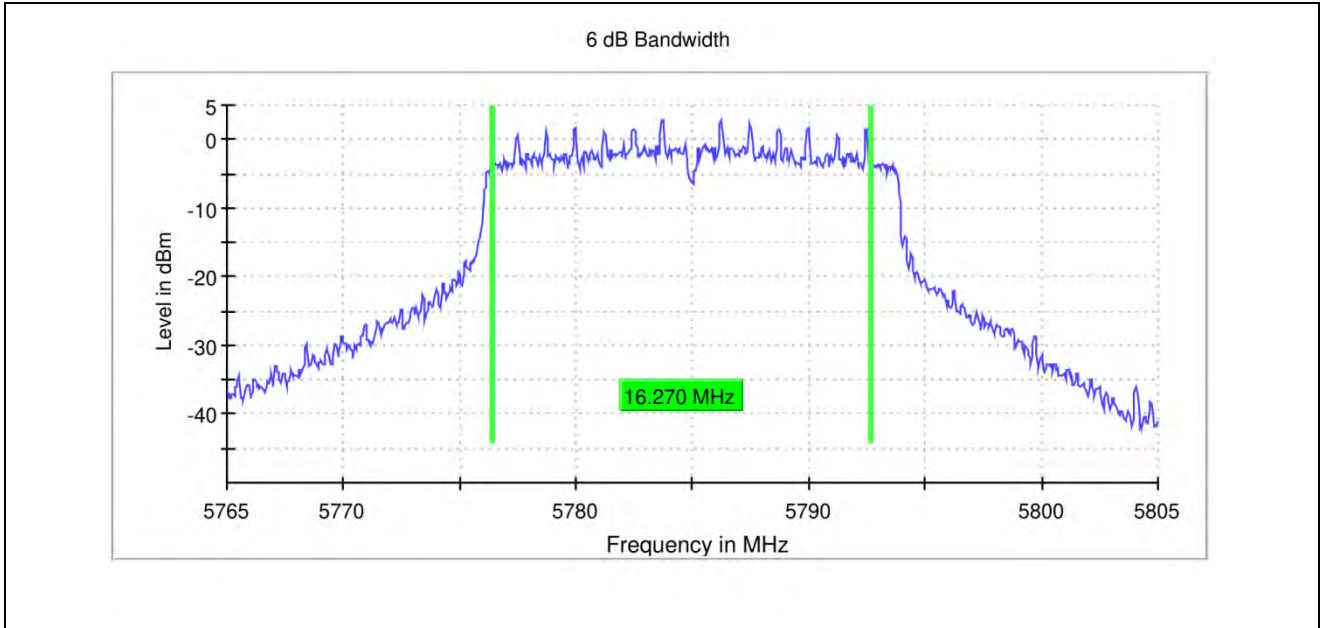




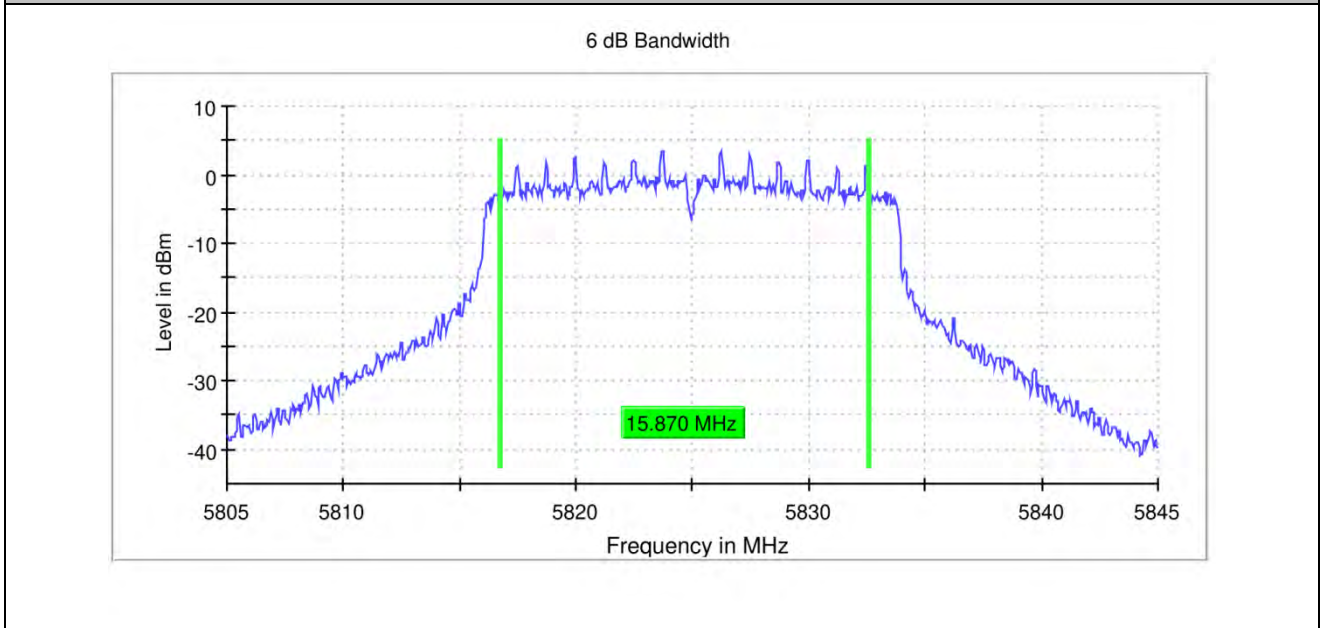
11N20_ANT0_5745



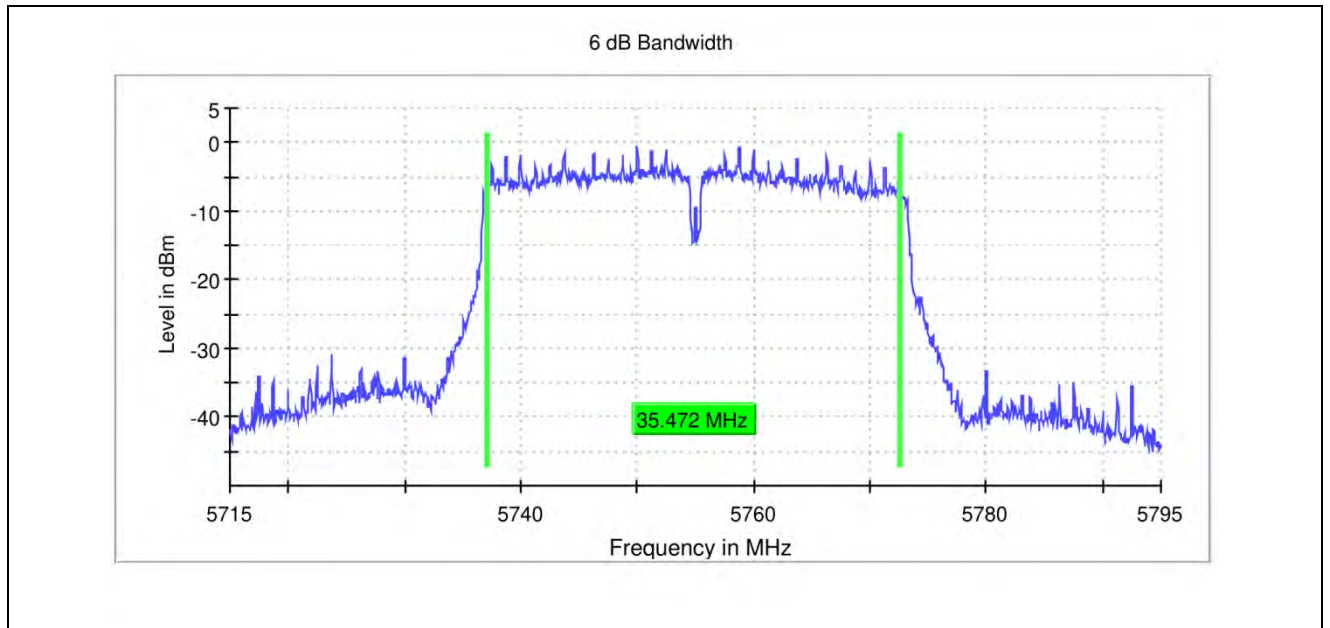
11N20_ANT0_5785



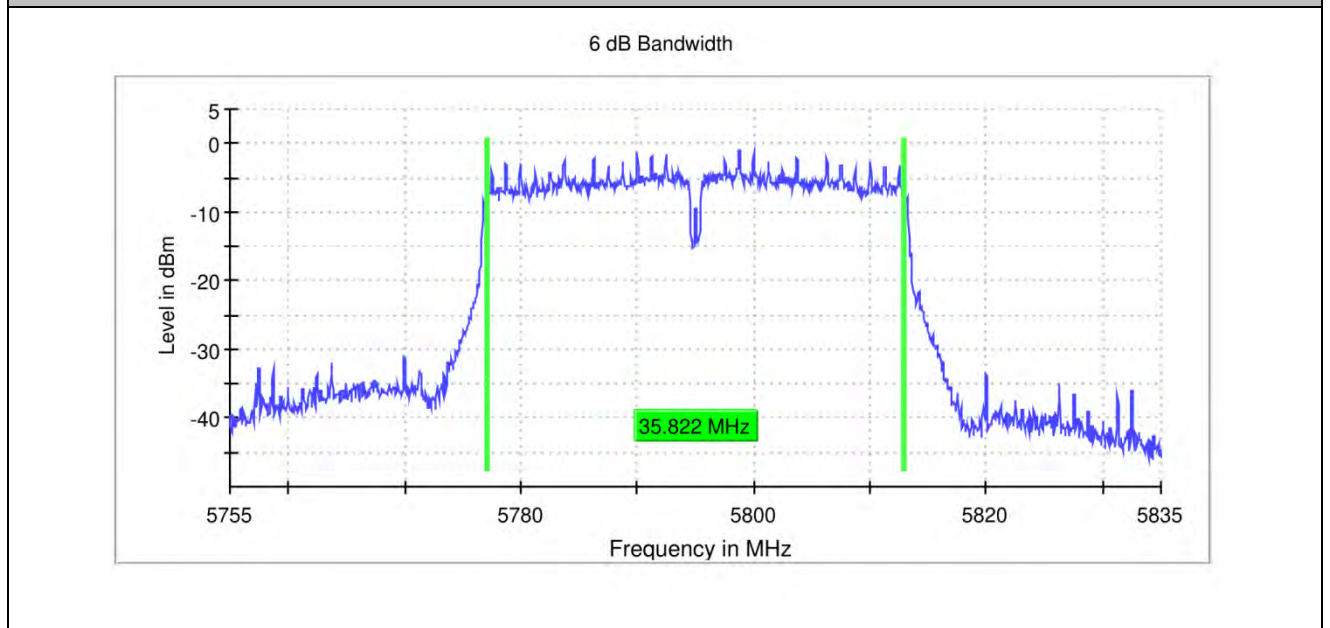
11N20_ANT0_5825



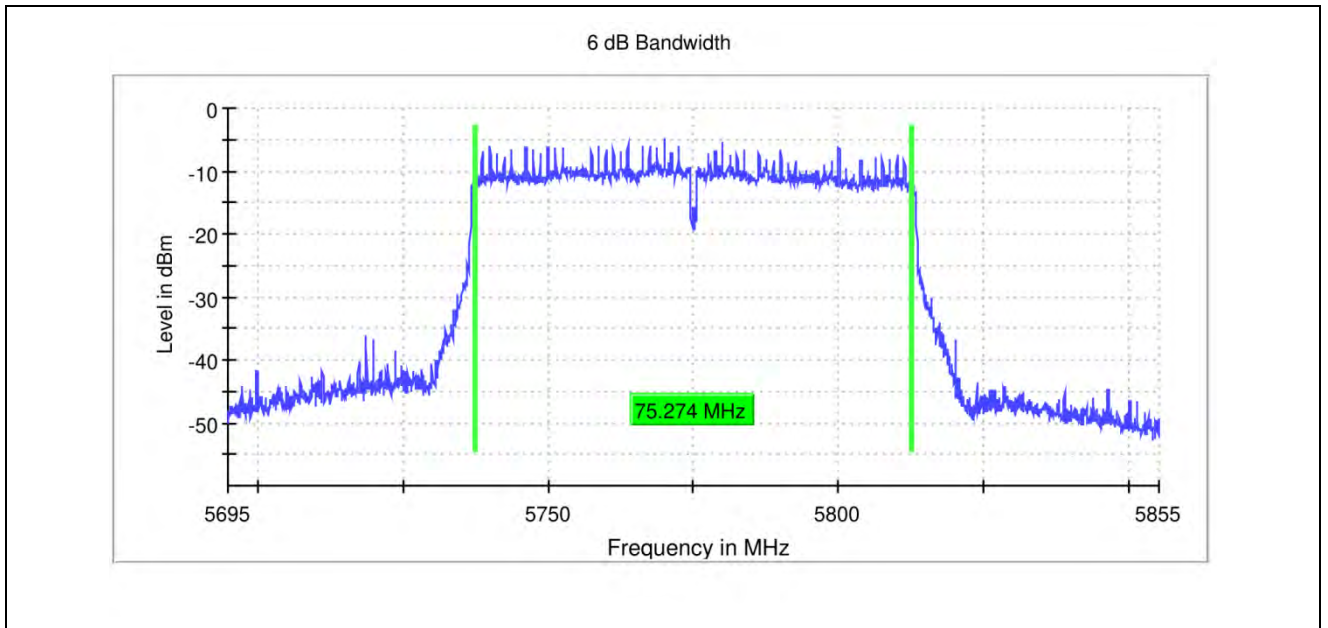
11N40_ANT0_5755



11N40_ANT0_5795



11AC80_ANT0_5775



20M

RBW 100.000 kHz

VBW 300.000 kHz

40M

RBW 100.000 kHz

VBW 300.000 kHz

80M

RBW 100.000 kHz

VBW 300.000 kHz



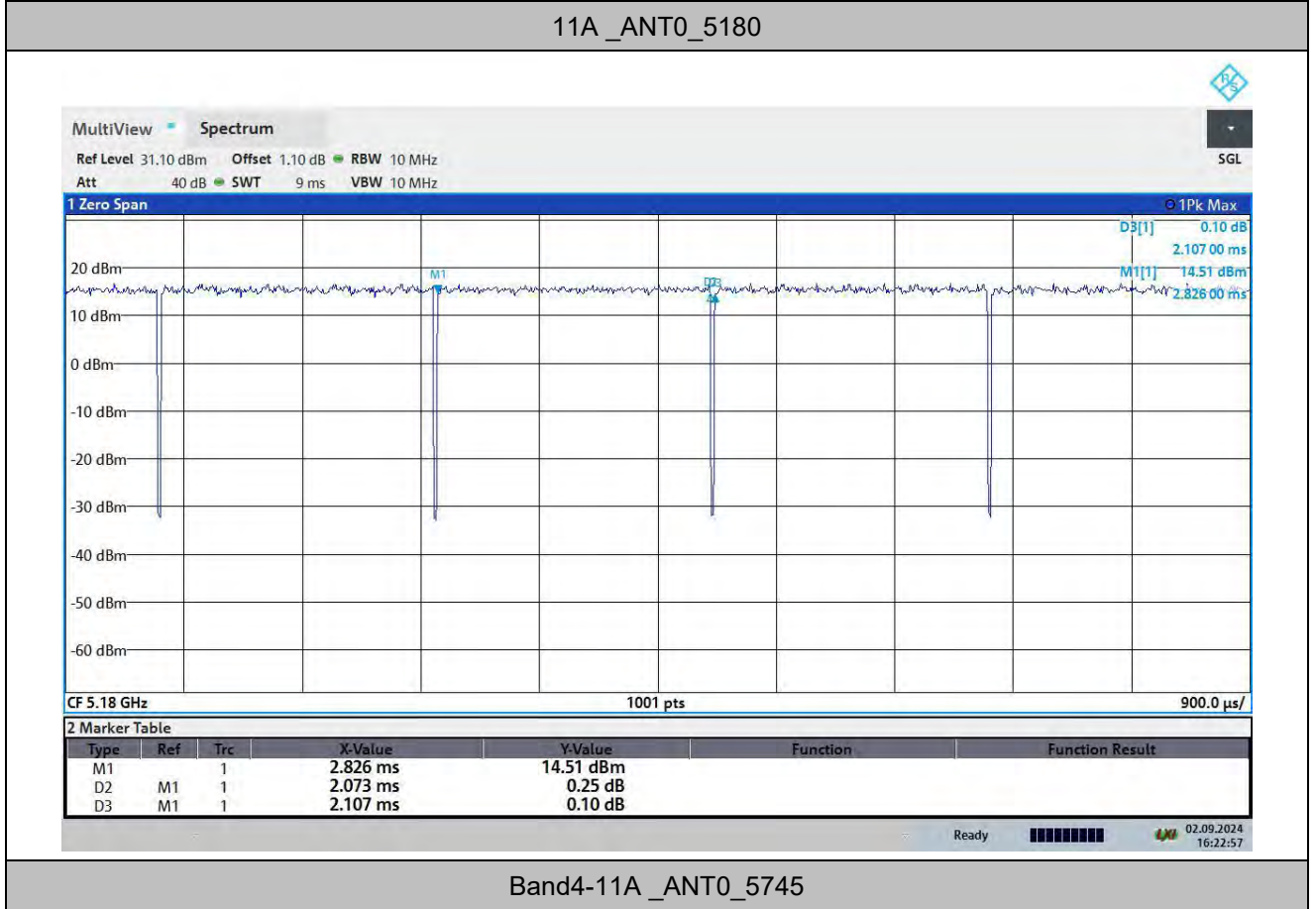
DUTY CYCLE

TEST RESULT

| TestMode | Antenna | Frequency[MHz] | Transmission Duration [ms] | Transmission Period [ms] | Duty Cycle [%] | dutycycle factor |
|------------|---------|----------------|----------------------------|--------------------------|----------------|------------------|
| 11A | ANT0 | 5180 | 2.073 | 2.107 | 98.39% | 0.07 |
| | ANT0 | 5745 | 2.073 | 2.107 | 98.39% | 0.07 |
| 11N20SISO | ANT0 | 5180 | 1.921 | 1.963 | 97.86% | 0.09 |
| | ANT0 | 5745 | 1.929 | 1.963 | 98.27% | 0.08 |
| 11AC20SISO | ANT0 | 5180 | 1.926 | 1.966 | 96.35% | 0.16 |
| | ANT0 | 5745 | 1.926 | 1.966 | 96.34% | 0.16 |
| 11N40SISO | ANT0 | 5190 | 1.926 | 1.966 | 97.97% | 0.09 |
| | ANT0 | 5755 | 0.949 | 0.985 | 97.97% | 0.09 |
| 11AC40SISO | ANT0 | 5190 | 0.948 | 0.984 | 96.36% | 0.16 |
| | ANT0 | 5755 | 1.902 | 1.974 | 96.36% | 0.16 |
| 11AC80SISO | ANT0 | 5210 | 1.902 | 1.974 | 92.80% | 0.32 |
| | ANT0 | 5775 | 1.854 | 1.998 | 92.80% | 0.32 |



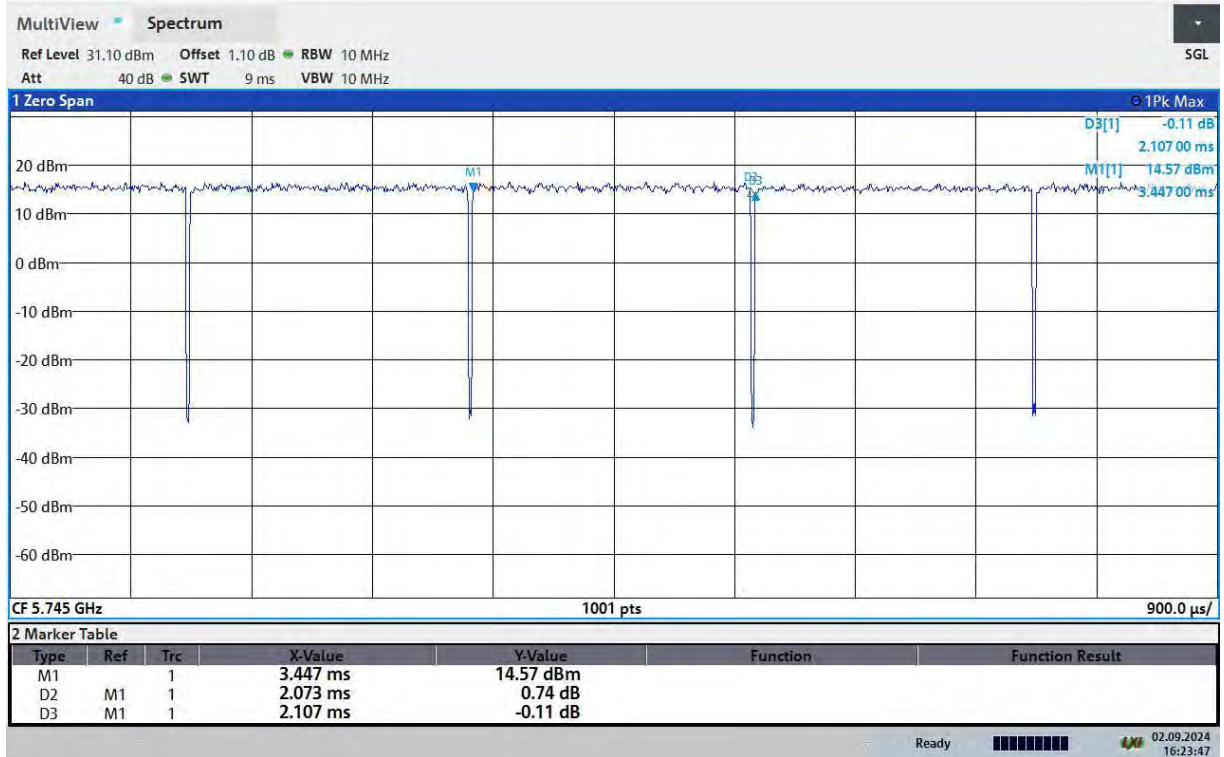
TEST GRAPHS





BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF09



11N20_ANT0_5180

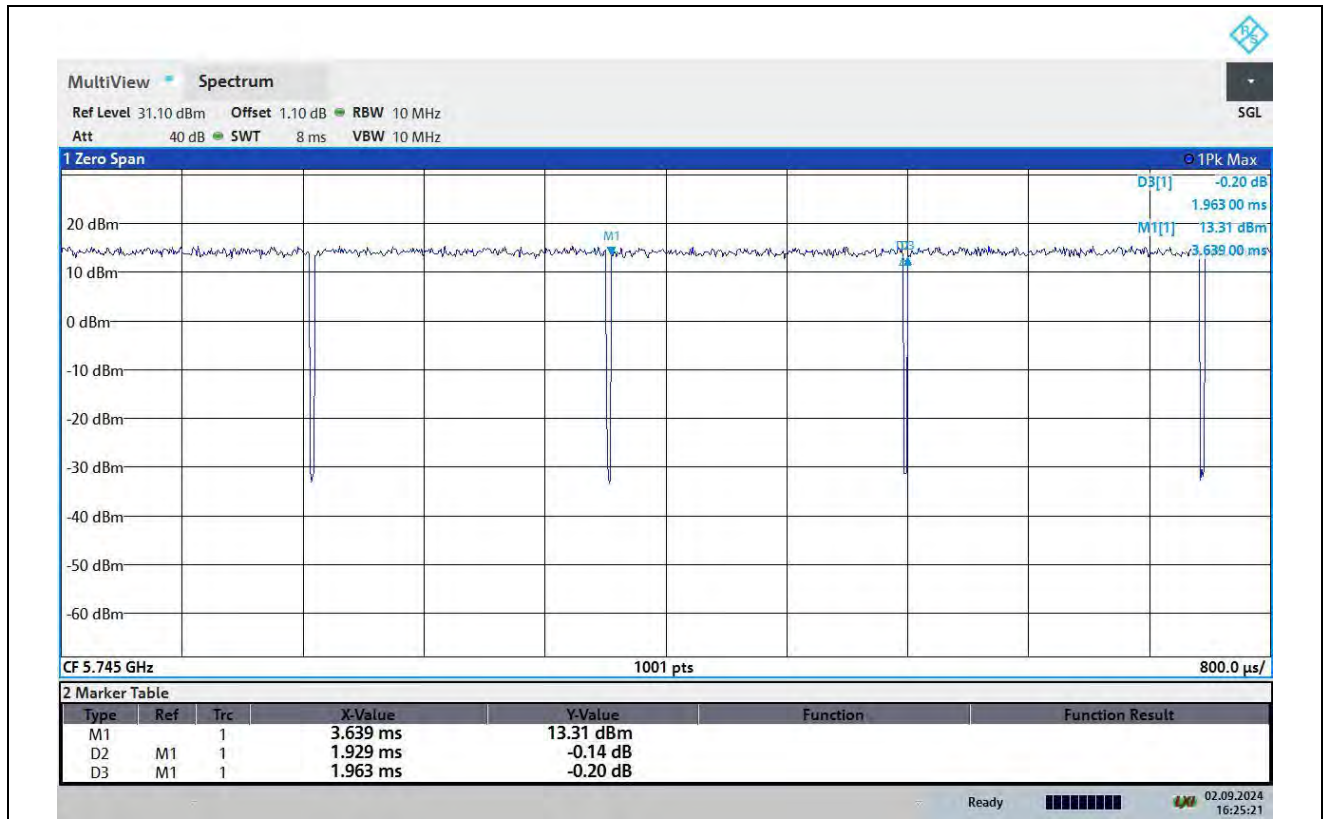


Band4-11N20_ANT0_5745

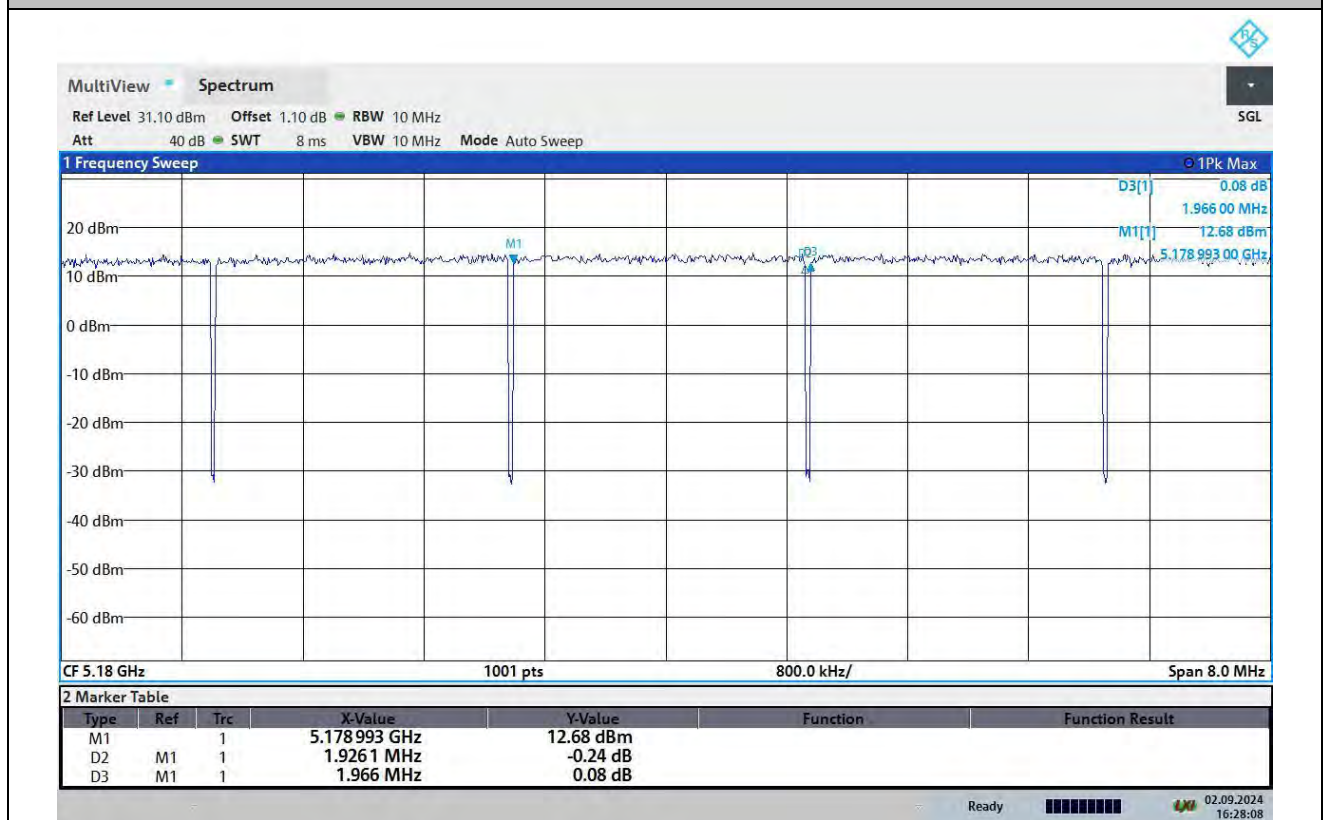


BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF09



11AC20_ANT0_5180



Band4-11AC20_ANT0_5745



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF09



11N40_ANT0_5190



Band4-11N40_ANT0_5755



BUREAU VERITAS

Test Report No.: PSU-NQN2406210109RF09



11AC40_ANT0_5190



Band4-11AC40_ANT0_5755

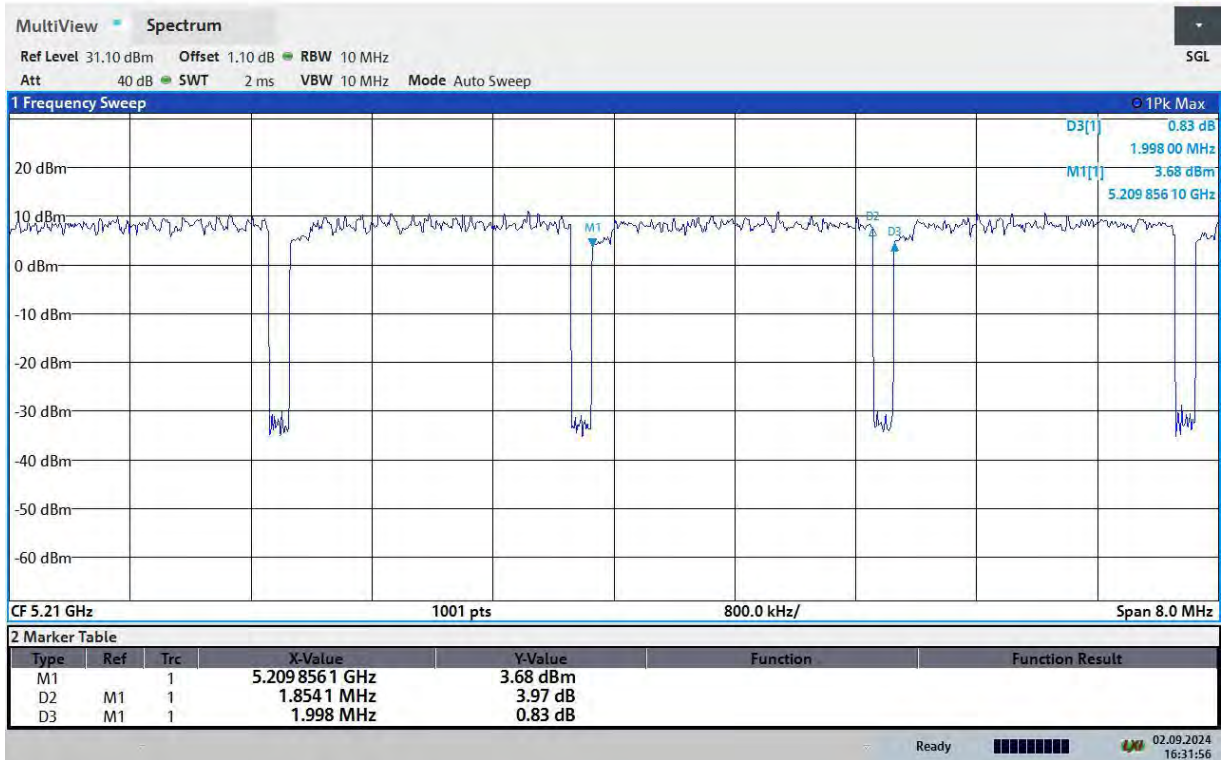


BUREAU VERITAS

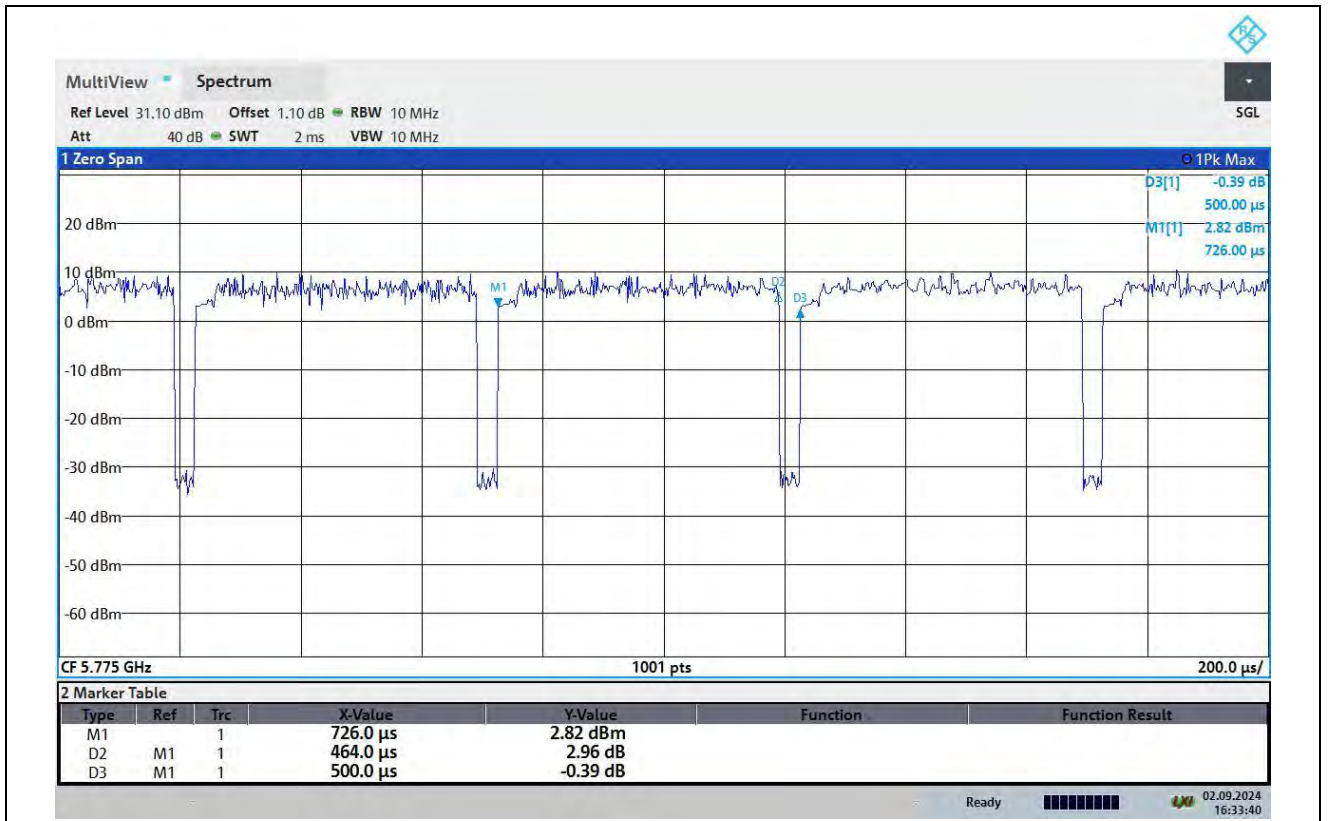
Test Report No.: PSU-NQN2406210109RF09



11AC80_ANT0_5210



Band4-11AC80_ANT0_5775





MAXIMUM CONDUCTED OUTPUT POWER

TEST RESULT

| Power Table For_U-NII-1 | | | | | | | | | |
|-------------------------|---------|-------------|------|-------------------------------|---------------------------------|------------|----------------|---------|---------------|
| Test Mode | TX Mod. | Freq. (MHz) | Ant. | Maximum Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | EIRP (dBm) | FCC EIRP Limit | Verdict | Power Setting |
| 11A | SISO | 5180 | ANT0 | 13.02 | ≤24.00 | 13.82 | ≤36.00 | Pass | 14 |
| | | 5200 | ANT0 | 13.16 | ≤24.00 | 13.96 | ≤36.00 | Pass | 14 |
| | | 5240 | ANT0 | 14.71 | ≤24.00 | 15.51 | ≤36.00 | Pass | 14 |
| 11N20 | SISO | 5180 | ANT0 | 11.82 | ≤24.00 | 12.62 | ≤36.00 | Pass | 13 |
| | | 5200 | ANT0 | 11.88 | ≤24.00 | 12.68 | ≤36.00 | Pass | 13 |
| | | 5240 | ANT0 | 13.45 | ≤24.00 | 14.25 | ≤36.00 | Pass | 13 |
| 11N40 | SISO | 5190 | ANT0 | 11.49 | ≤24.00 | 12.29 | ≤36.00 | Pass | 12 |
| | | 5230 | ANT0 | 12.73 | ≤24.00 | 13.53 | ≤36.00 | Pass | 12 |
| 11AC20 | SISO | 5180 | ANT0 | 10.91 | ≤24.00 | 11.71 | ≤36.00 | Pass | 12 |
| | | 5200 | ANT0 | 10.89 | ≤24.00 | 11.69 | ≤36.00 | Pass | 12 |
| | | 5240 | ANT0 | 12.44 | ≤24.00 | 13.24 | ≤36.00 | Pass | 12 |
| 11AC40 | SISO | 5190 | ANT0 | 11.48 | ≤24.00 | 12.28 | ≤36.00 | Pass | 12 |
| | | 5230 | ANT0 | 12.67 | ≤24.00 | 13.47 | ≤36.00 | Pass | 12 |
| 11AC80 | SISO | 5210 | ANT0 | 9.84 | ≤24.00 | 10.64 | ≤36.00 | Pass | 10 |



| Power Table For_U-NII-2A | | | | | | | | | |
|--------------------------|---------|-------------|------|-------------------------------|---------------------------------|------------|----------------|---------|---------------|
| Test Mode | TX Mod. | Freq. (MHz) | Ant. | Maximum Conducted Power (dBm) | FCC Conducted Power Limit (dBm) | EIRP (dBm) | FCC EIRP Limit | Verdict | Power Setting |
| 11A | SISO | 5260 | ANT0 | 14.71 | ≤24.00 | 15.51 | ≤30.00 | Pass | 14 |
| | | 5300 | ANT0 | 14.92 | ≤24.00 | 15.72 | ≤30.00 | Pass | 14 |
| | | 5320 | ANT0 | 15.41 | ≤24.00 | 16.21 | ≤30.00 | Pass | 14 |
| 11N20 | SISO | 5260 | ANT0 | 13.37 | ≤24.00 | 14.17 | ≤30.00 | Pass | 13 |
| | | 5300 | ANT0 | 13.81 | ≤24.00 | 14.61 | ≤30.00 | Pass | 13 |
| | | 5320 | ANT0 | 14.33 | ≤24.00 | 15.13 | ≤30.00 | Pass | 13 |
| 11N40 | SISO | 5270 | ANT0 | 13.03 | ≤24.00 | 13.83 | ≤30.00 | Pass | 12 |
| | | 5310 | ANT0 | 13.74 | ≤24.00 | 14.54 | ≤30.00 | Pass | 12 |
| 11AC20 | SISO | 5260 | ANT0 | 12.44 | ≤24.00 | 13.24 | ≤30.00 | Pass | 12 |
| | | 5300 | ANT0 | 12.80 | ≤24.00 | 13.60 | ≤30.00 | Pass | 12 |
| | | 5320 | ANT0 | 13.30 | ≤24.00 | 14.10 | ≤30.00 | Pass | 12 |
| 11AC40 | SISO | 5270 | ANT0 | 12.90 | ≤24.00 | 13.70 | ≤30.00 | Pass | 12 |
| | | 5310 | ANT0 | 13.58 | ≤24.00 | 14.38 | ≤30.00 | Pass | 12 |
| 11AC80 | SISO | 5290 | ANT0 | 11.04 | ≤24.00 | 11.84 | ≤30.00 | Pass | 10 |



| Power Table For_U-NII-3 | | | | | | | | | |
|-------------------------|---------|-------------|------|-------------------------------|-----------------------------|------------|---------------|---------|---------------|
| Test Mode | TX Mod. | Freq. (MHz) | Ant. | Maximum Conducted Power (dBm) | Conducted Power Limit (dBm) | EIRP (dBm) | IC EIRP Limit | Verdict | Power Setting |
| 11A | SISO | 5745 | ANT0 | 14.86 | ≤30.00 | 15.66 | ≤36.00 | Pass | 14 |
| | | 5785 | ANT0 | 13.28 | ≤30.00 | 14.08 | ≤36.00 | Pass | 14 |
| | | 5825 | ANT0 | 14.51 | ≤30.00 | 15.31 | ≤36.00 | Pass | 14 |
| 11N20 | SISO | 5745 | ANT0 | 13.71 | ≤30.00 | 14.51 | ≤36.00 | Pass | 13 |
| | | 5785 | ANT0 | 12.22 | ≤30.00 | 13.02 | ≤36.00 | Pass | 13 |
| | | 5825 | ANT0 | 13.35 | ≤30.00 | 14.15 | ≤36.00 | Pass | 13 |
| 11N40 | SISO | 5755 | ANT0 | 13.10 | ≤30.00 | 13.90 | ≤36.00 | Pass | 12 |
| | | 5795 | ANT0 | 11.74 | ≤30.00 | 12.54 | ≤36.00 | Pass | 12 |
| 11AC20 | SISO | 5745 | ANT0 | 12.76 | ≤30.00 | 13.56 | ≤36.00 | Pass | 12 |
| | | 5785 | ANT0 | 11.39 | ≤30.00 | 12.19 | ≤36.00 | Pass | 12 |
| | | 5825 | ANT0 | 12.43 | ≤30.00 | 13.23 | ≤36.00 | Pass | 12 |
| 11AC40 | SISO | 5755 | ANT0 | 13.06 | ≤30.00 | 13.86 | ≤36.00 | Pass | 12 |
| | | 5795 | ANT0 | 11.66 | ≤30.00 | 12.46 | ≤36.00 | Pass | 12 |
| 11AC80 | SISO | 5775 | ANT0 | 10.62 | ≤30.00 | 11.42 | ≤36.00 | Pass | 10 |

Note: The Maximum Conducted Power with duty cycle factor.



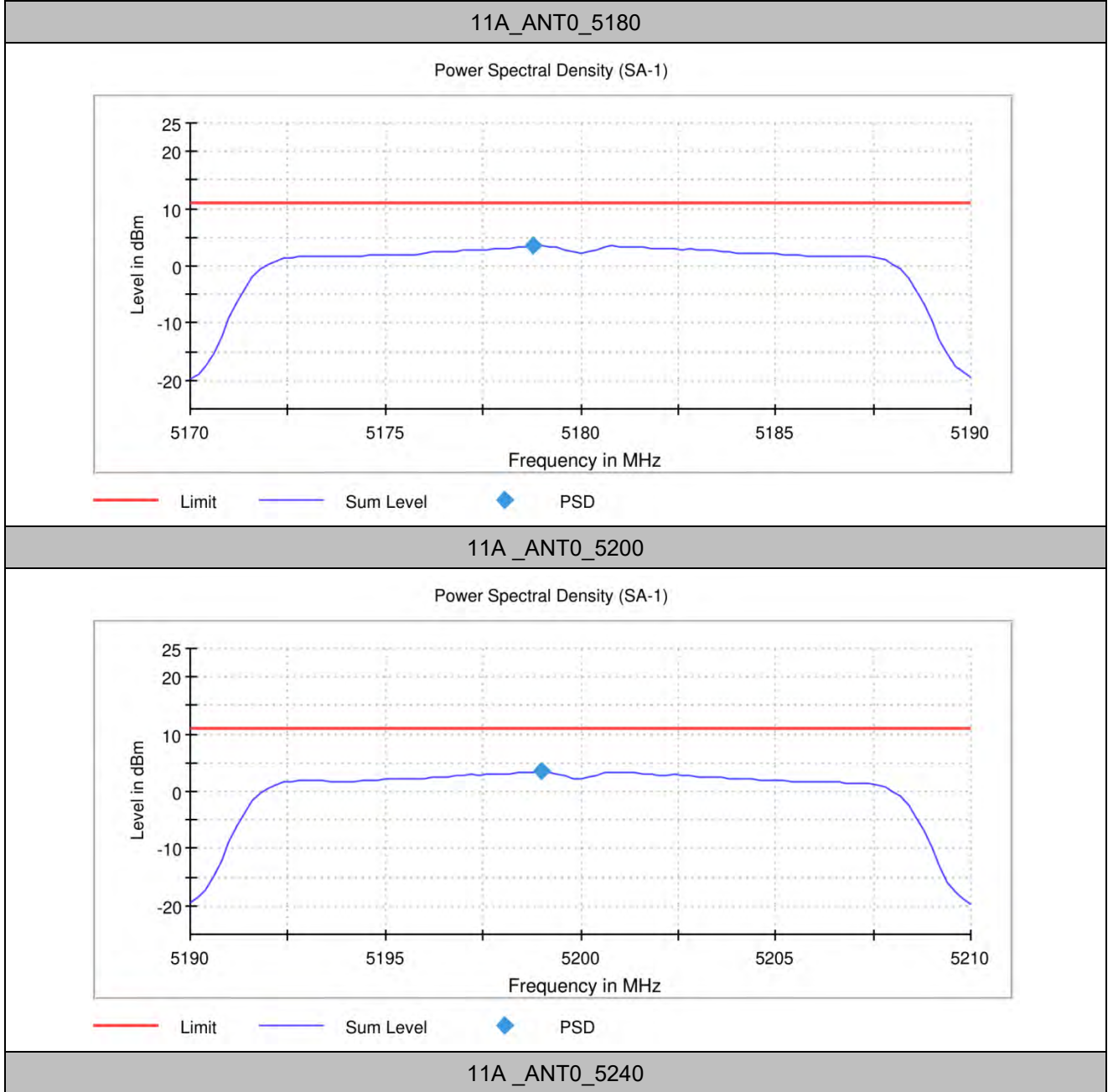
MAXIMUM POWER SPECTRAL DENSITY

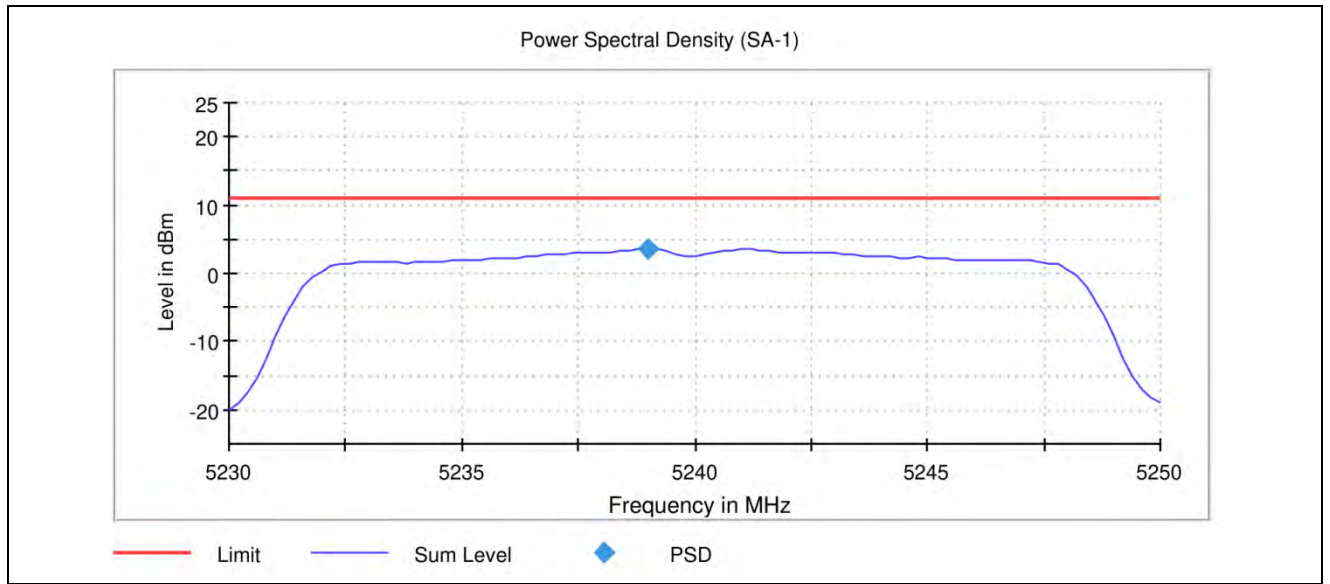
TEST RESULT

| TestMode | Antenna | Frequency[MHz] | Result [dBm/MHz] | PSD Limit [dBm/MHz] | Verdict |
|----------|---------|-----------------|------------------|---------------------|---------|
| 11A | ANT0 | 5180 | 3.467 | ≤11.00 | Pass |
| | ANT0 | 5200 | 3.495 | ≤11.00 | Pass |
| | ANT0 | 5240 | 3.577 | ≤11.00 | Pass |
| | ANT0 | 5260 | 4.045 | ≤11.00 | Pass |
| | ANT0 | 5300 | 3.608 | ≤11.00 | Pass |
| | ANT0 | 5320 | 4.008 | ≤11.00 | Pass |
| | ANT0 | 5745 | 0.791 | ≤30.00 | Pass |
| | ANT0 | 5785 | -0.374 | ≤30.00 | Pass |
| | ANT0 | 5825 | -0.251 | ≤30.00 | Pass |
| 11N20 | ANT0 | 5180 | 1.636 | ≤11.00 | Pass |
| | ANT0 | 5200 | 1.719 | ≤11.00 | Pass |
| | ANT0 | 5240 | 2.272 | ≤11.00 | Pass |
| | ANT0 | 5260 | 2.181 | ≤11.00 | Pass |
| | ANT0 | 5300 | 2.376 | ≤11.00 | Pass |
| | ANT0 | 5320 | 2.495 | ≤11.00 | Pass |
| | ANT0 | 5745 | -0.766 | ≤30.00 | Pass |
| | ANT0 | 5785 | -1.815 | ≤30.00 | Pass |
| | ANT0 | 5825 | -0.917 | ≤30.00 | Pass |
| 11N40 | ANT0 | 5190 | -1.829 | ≤11.00 | Pass |
| | ANT0 | 5230 | -1.681 | ≤11.00 | Pass |
| | ANT0 | 5270 | -1.156 | ≤11.00 | Pass |
| | ANT0 | 5310 | -1.189 | ≤11.00 | Pass |
| | ANT0 | 5755 | -4.852 | ≤30.00 | Pass |
| | ANT0 | 5795 | -5.228 | ≤30.00 | Pass |
| 11AC80 | ANT0 | 5210 | -7.522 | ≤11.00 | Pass |
| | ANT0 | 5290 | -6.536 | ≤11.00 | Pass |
| | ANT0 | 5775 | -10.218 | ≤30.00 | Pass |

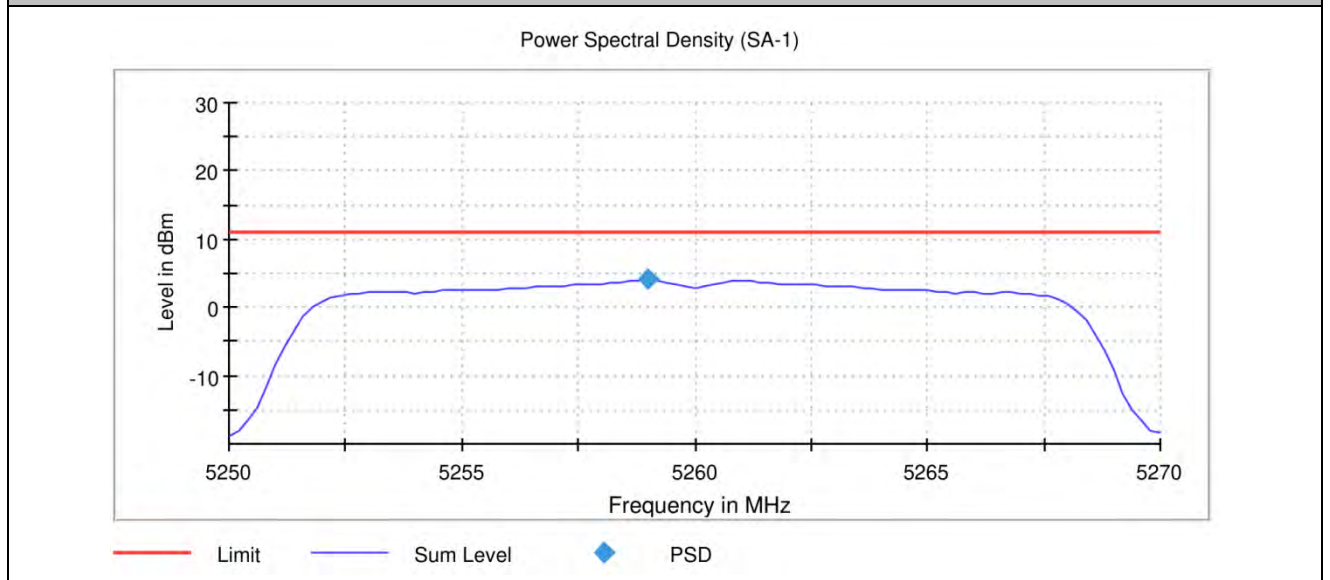


TEST GRAPHS

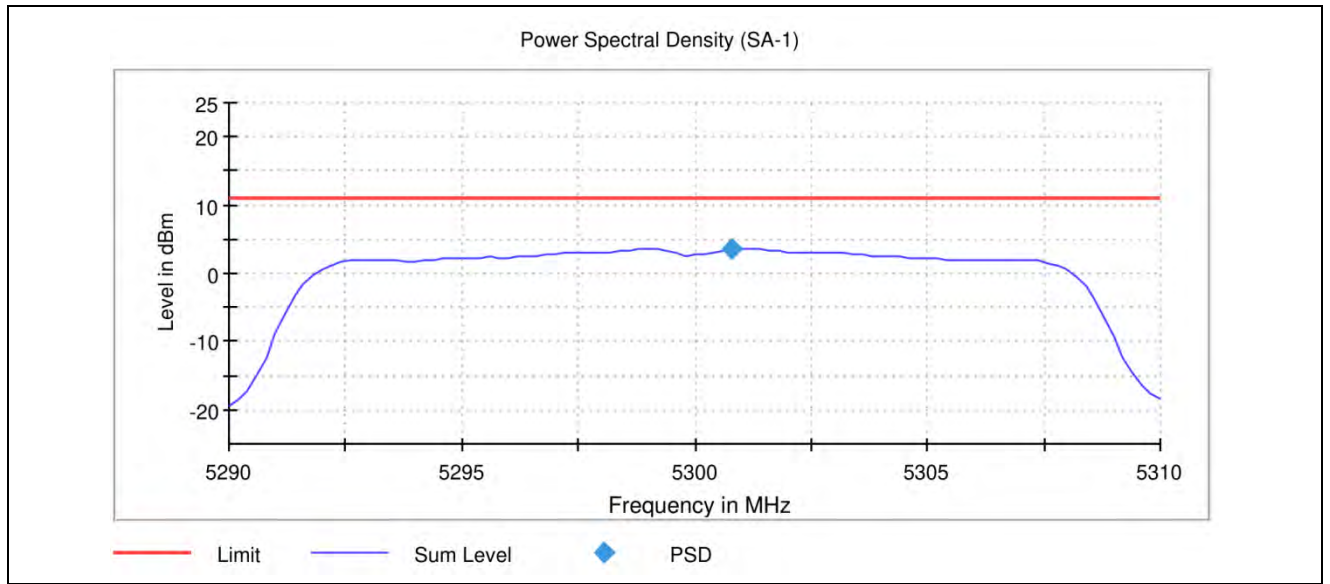




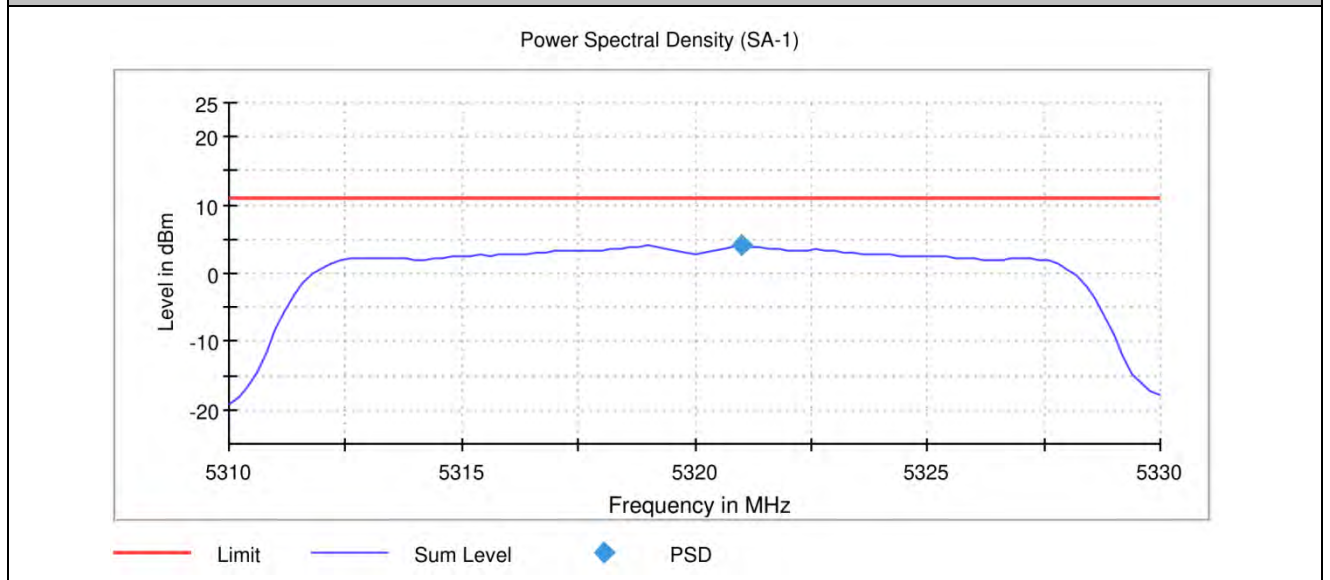
11A_ANT0_5260



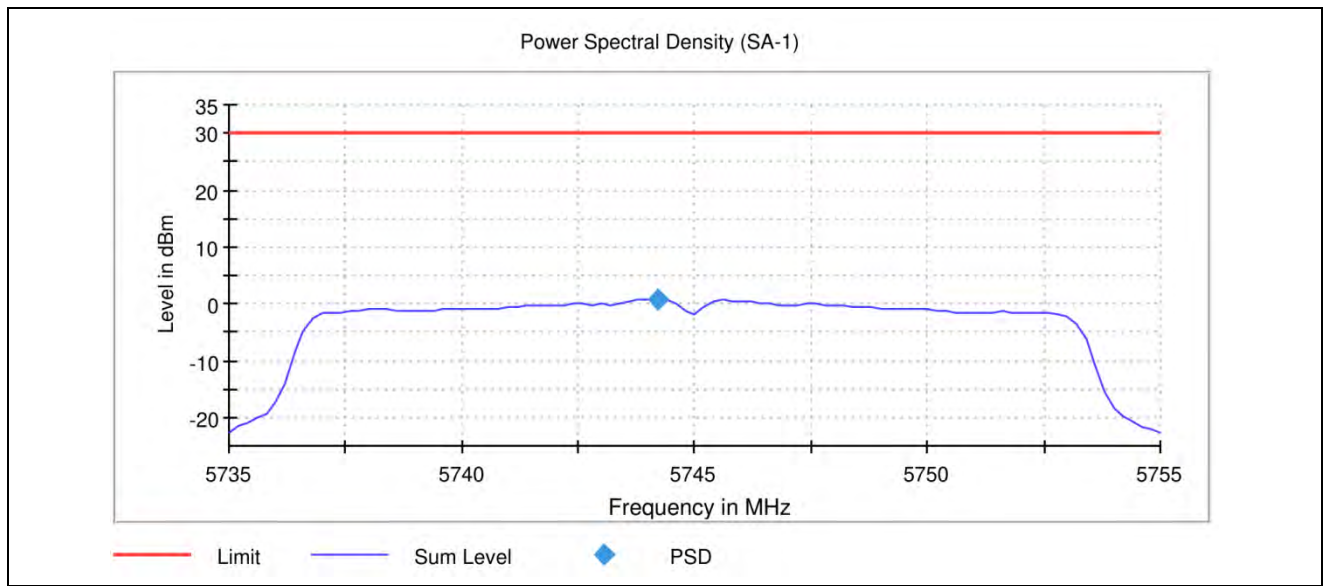
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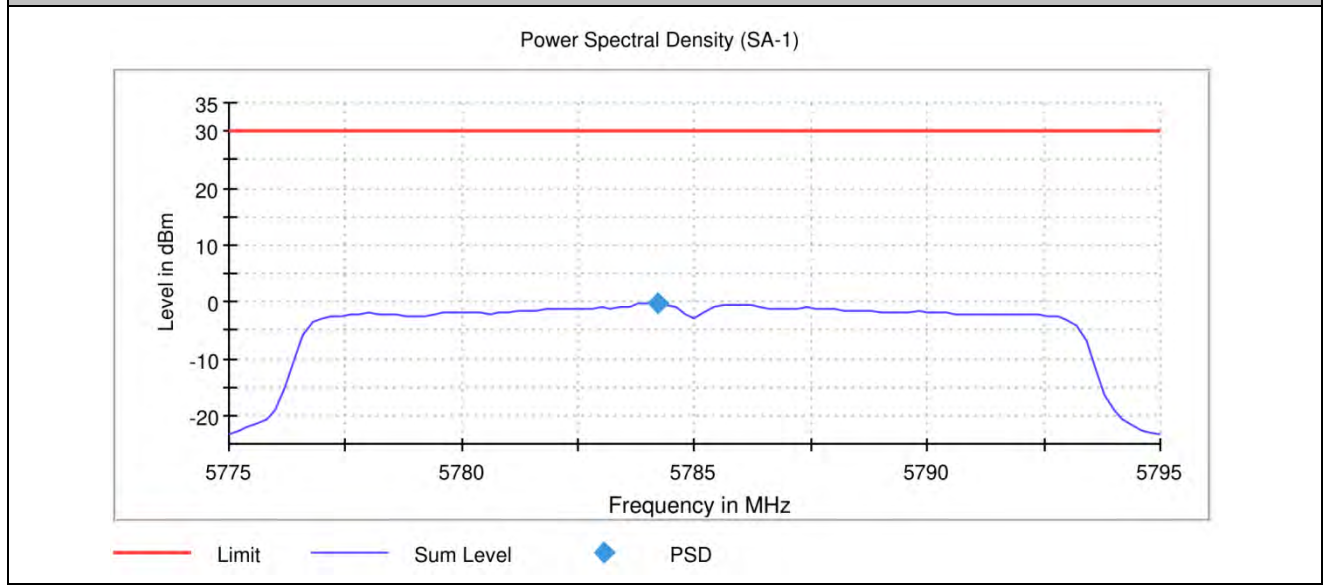
11A_ANT0_5320



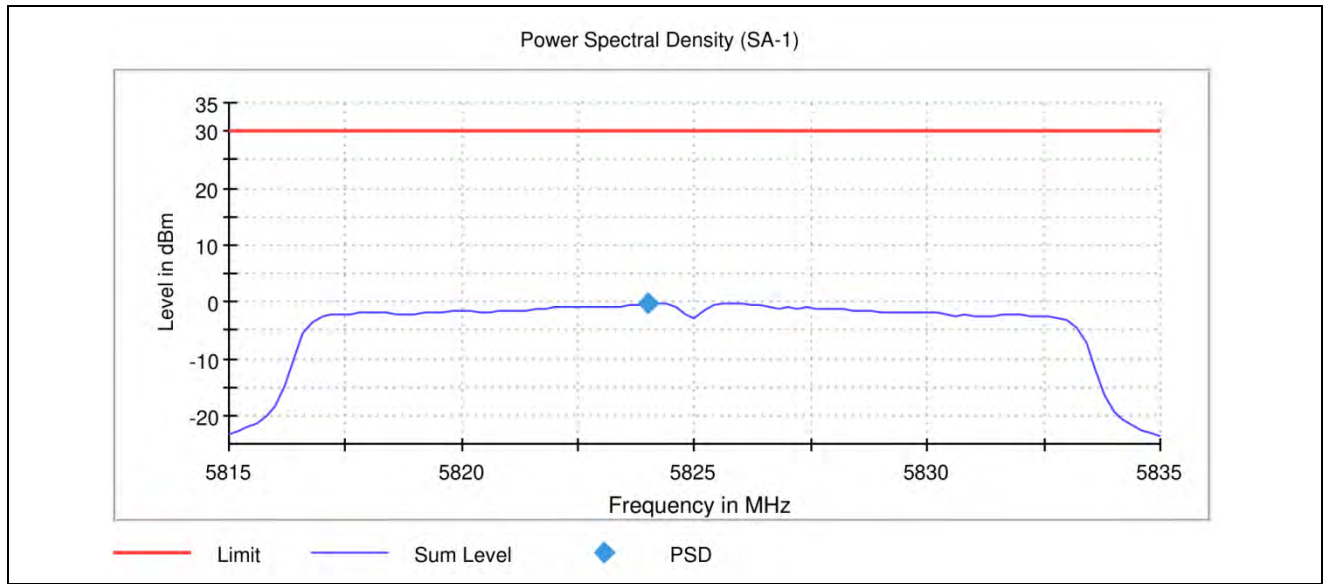
11A_ANT0_5745



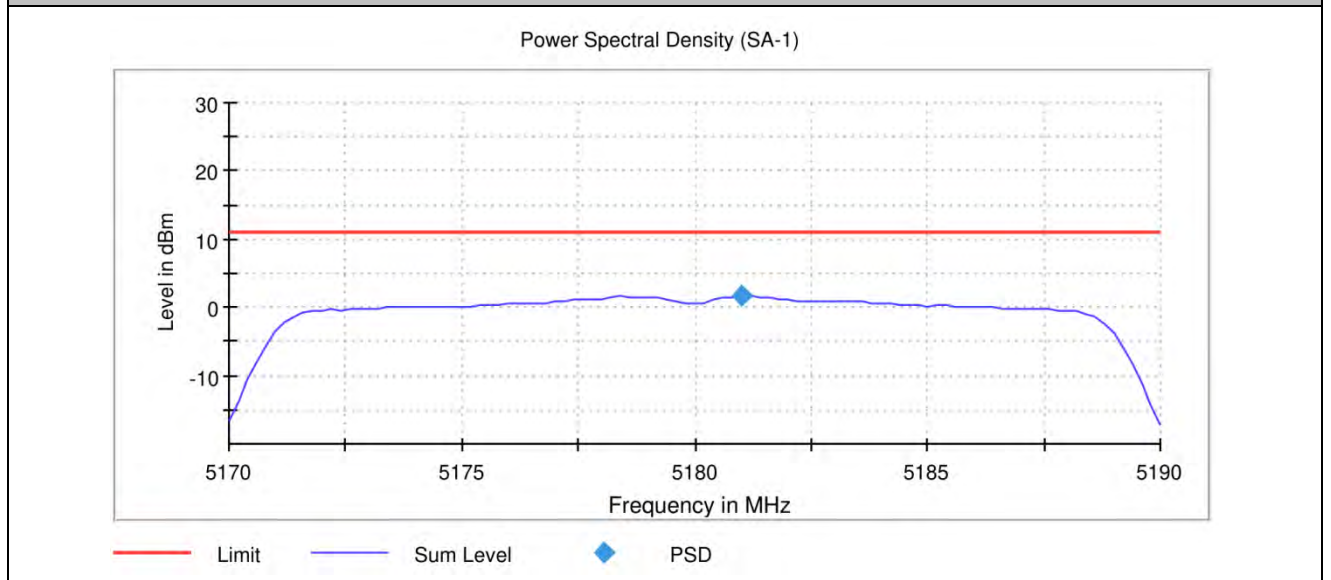
11A_ANT0_5785



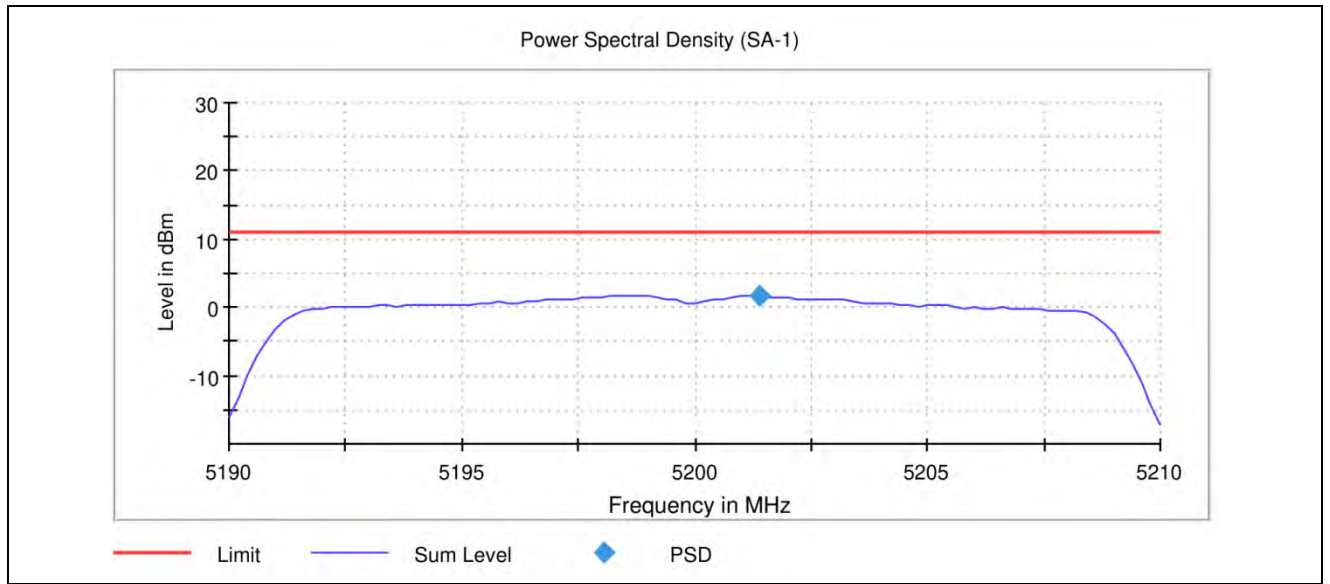
11A_ANT0_5825



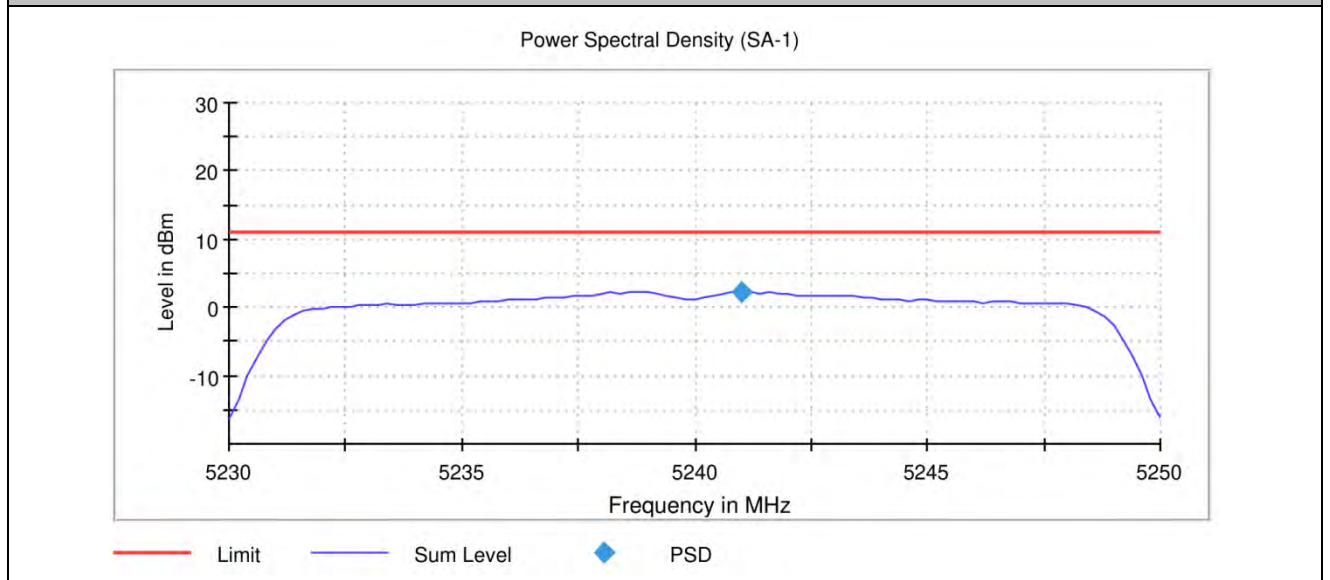
11N20_ANT0_5180



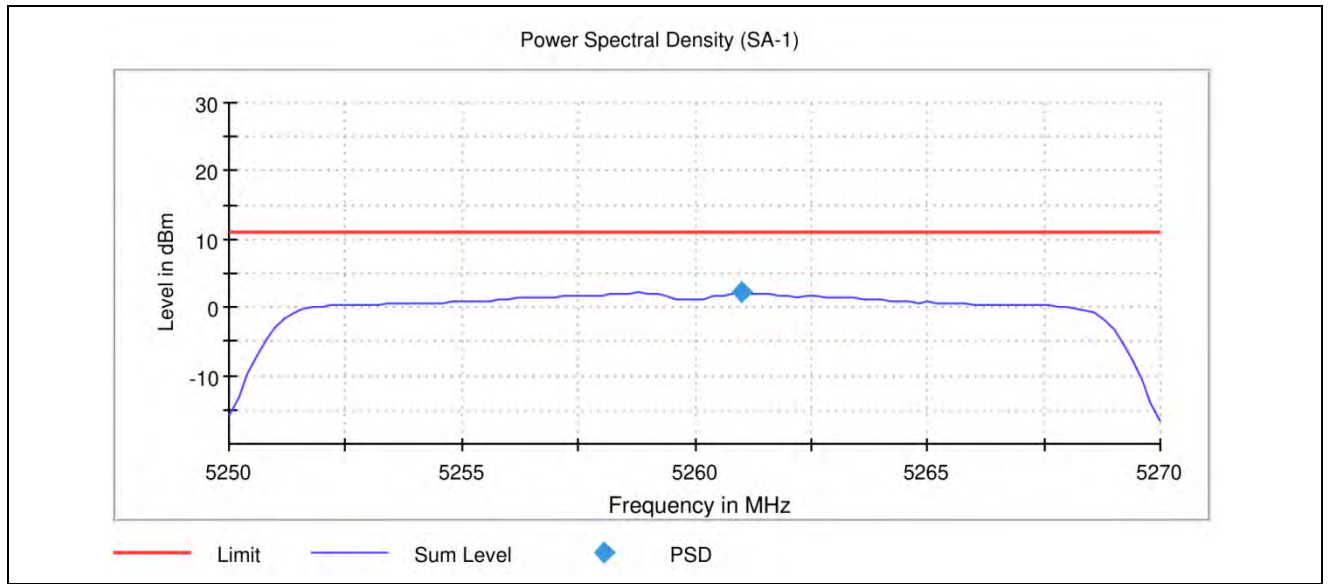
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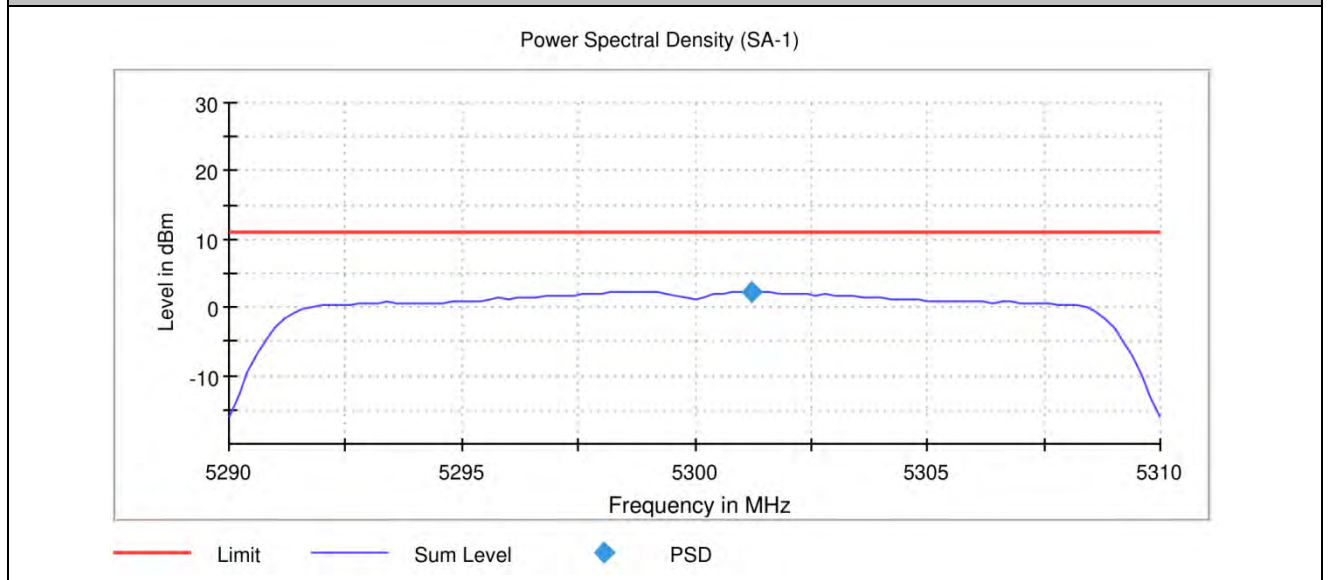
11N20_ANT0_5240



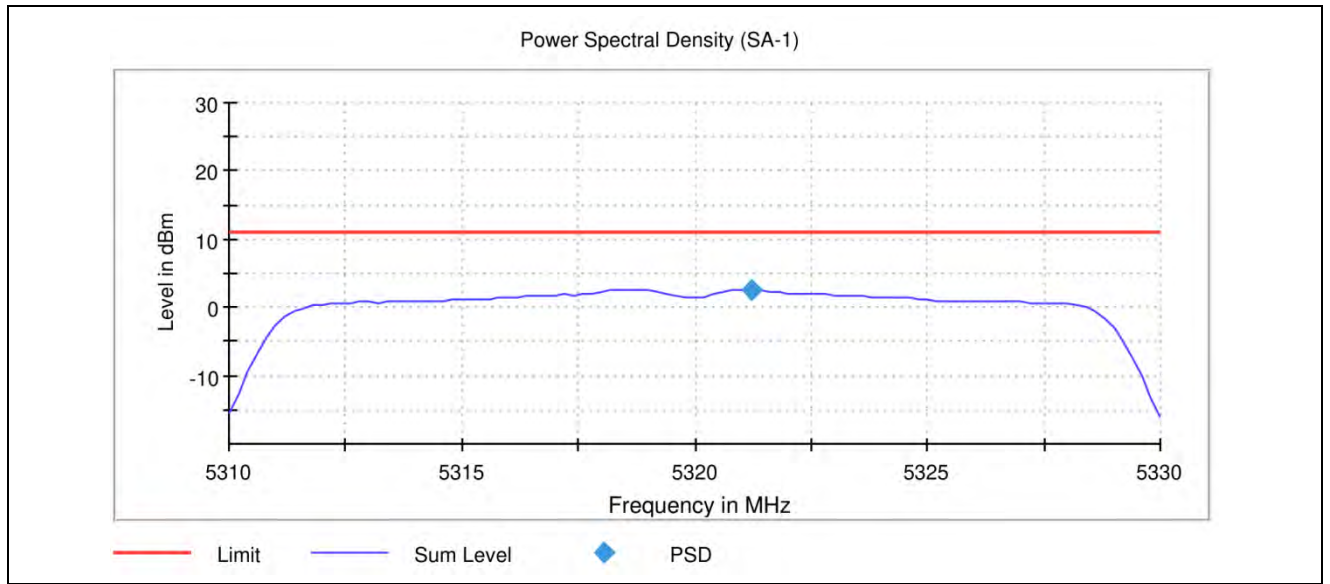
11N20_ANT0_5260



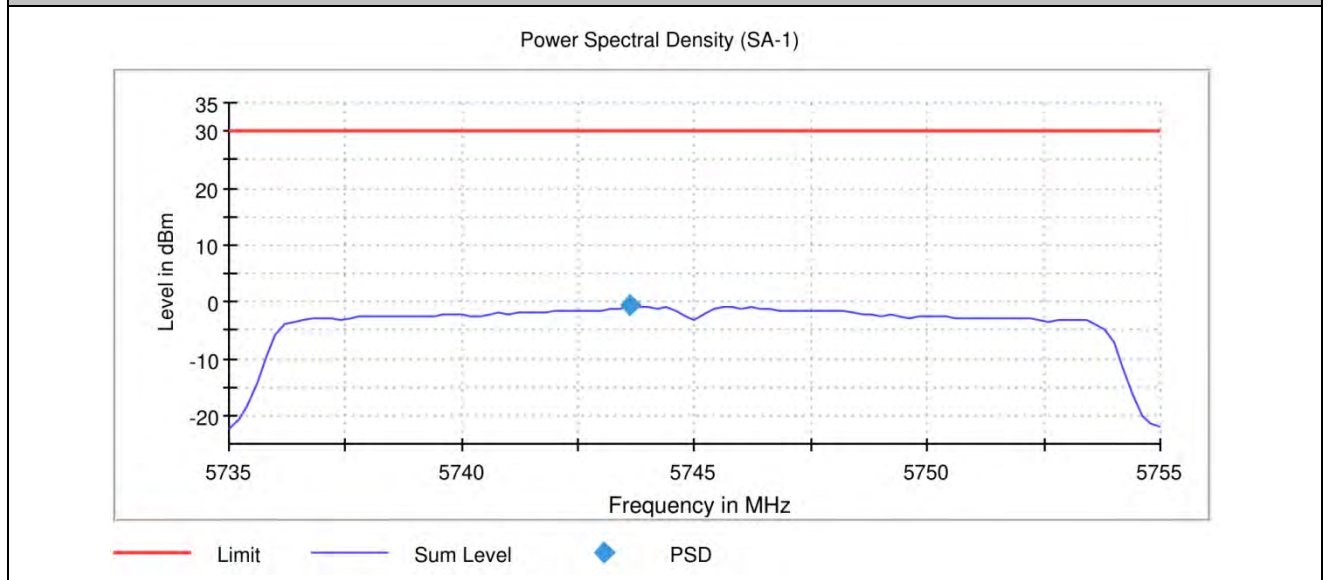
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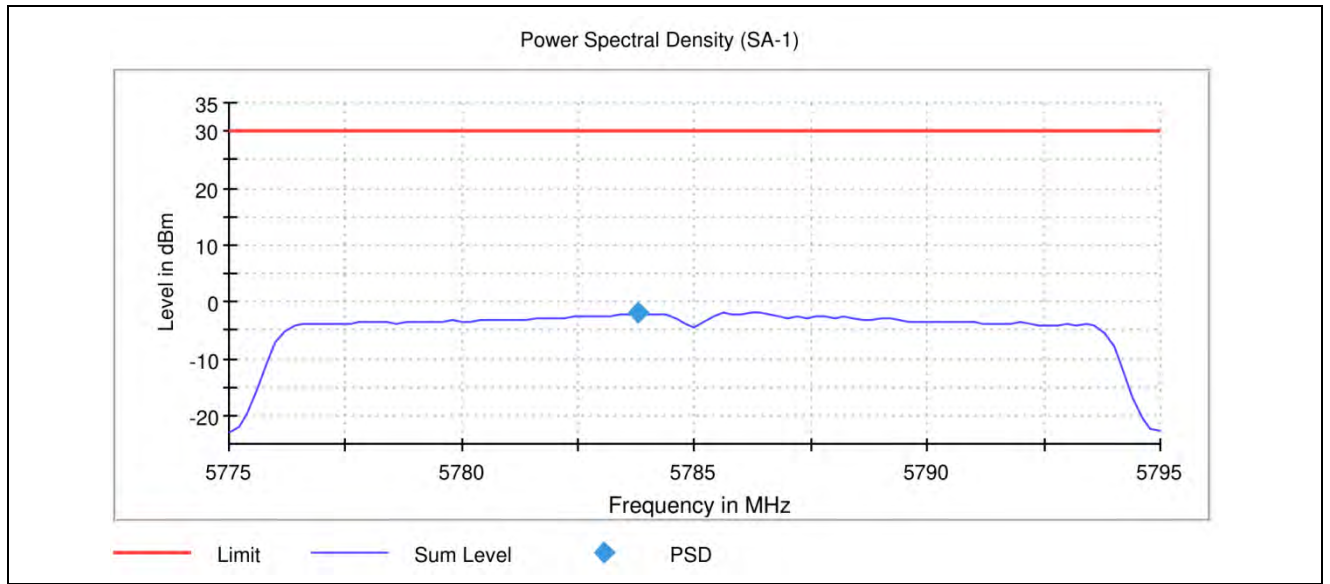
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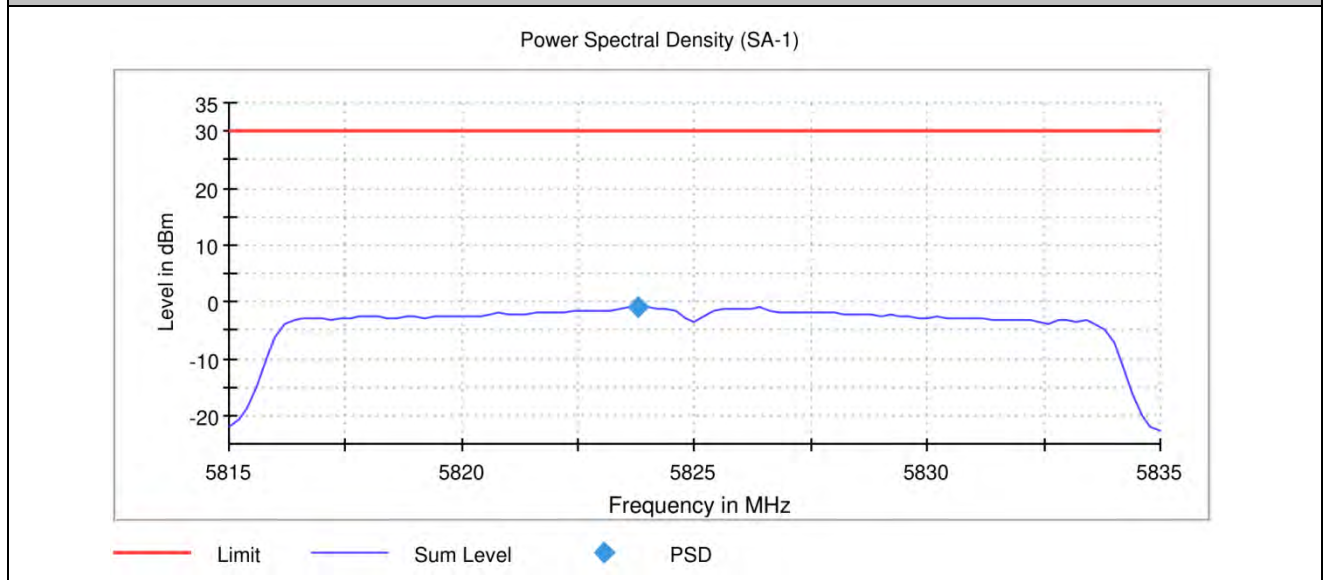
11N20_ANT0_5745



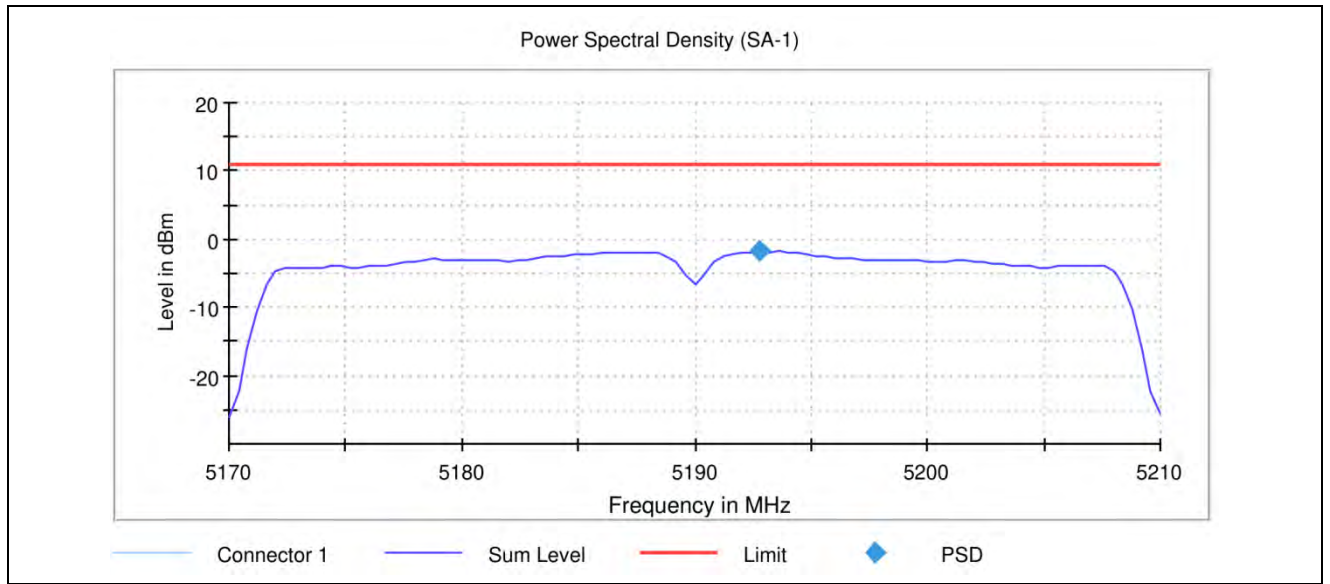
11N20_ANT0_5785



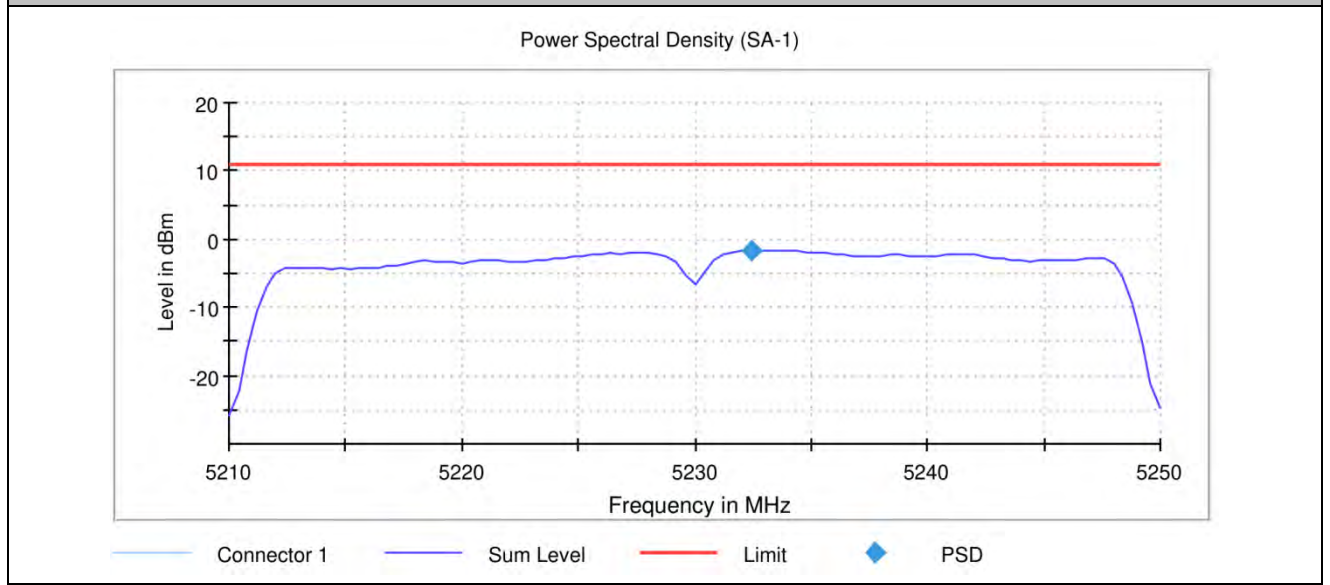
11N20_ANT0_5825



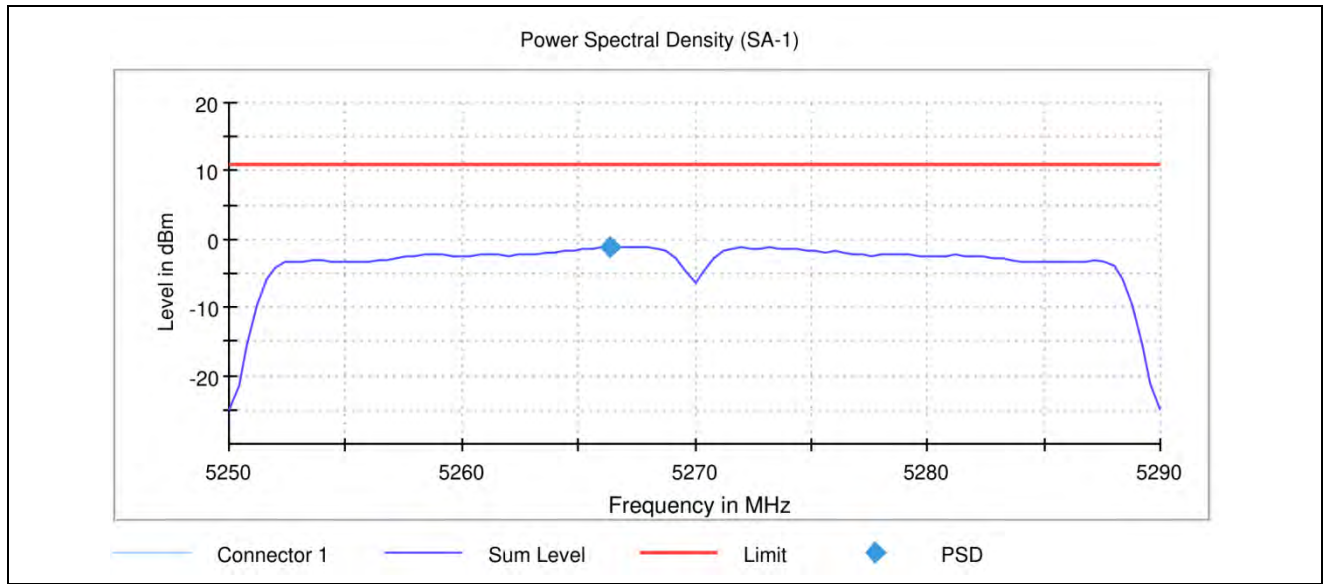
11N40_ANT0_5190



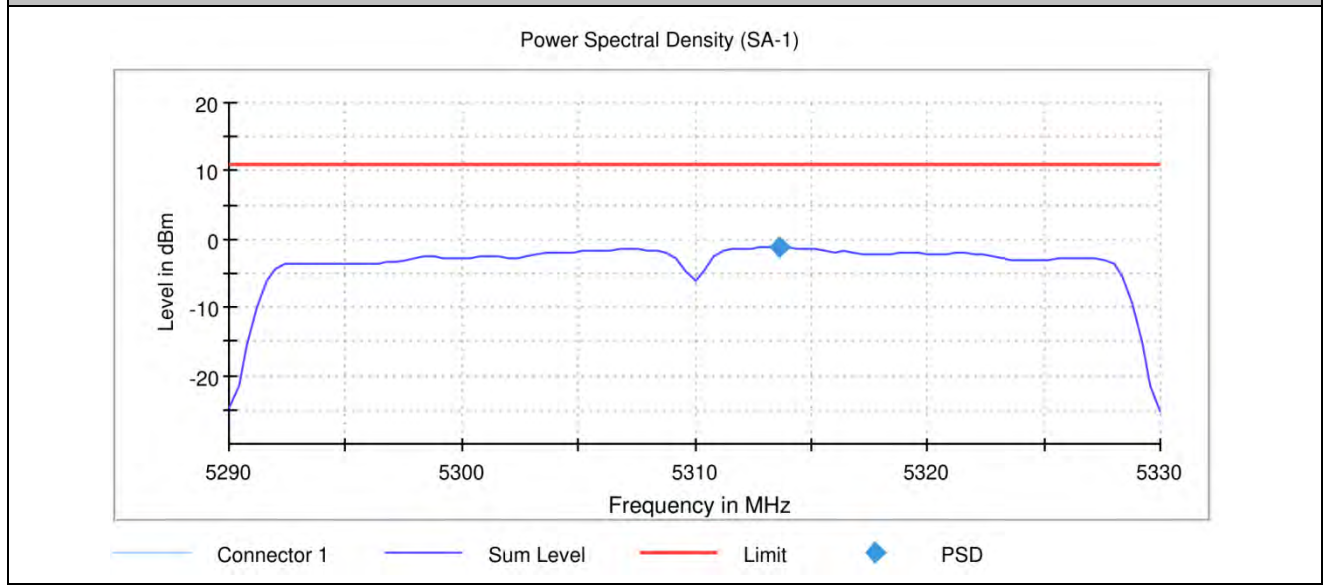
11N40_ANT0_5230



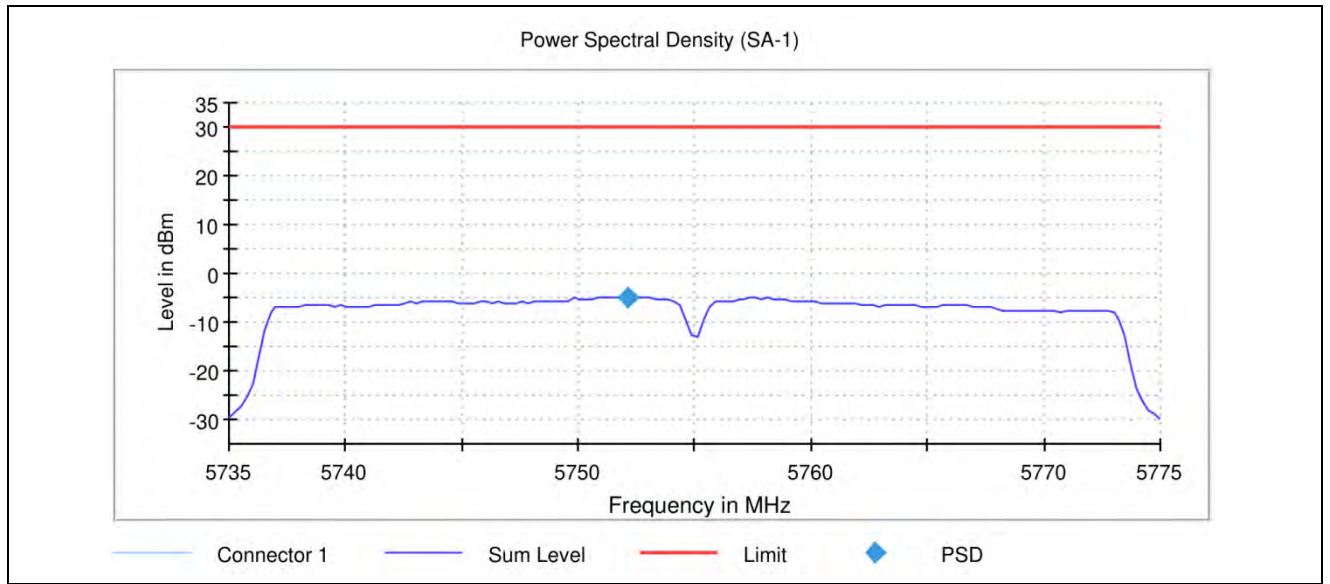
11N40_ANT0_5270



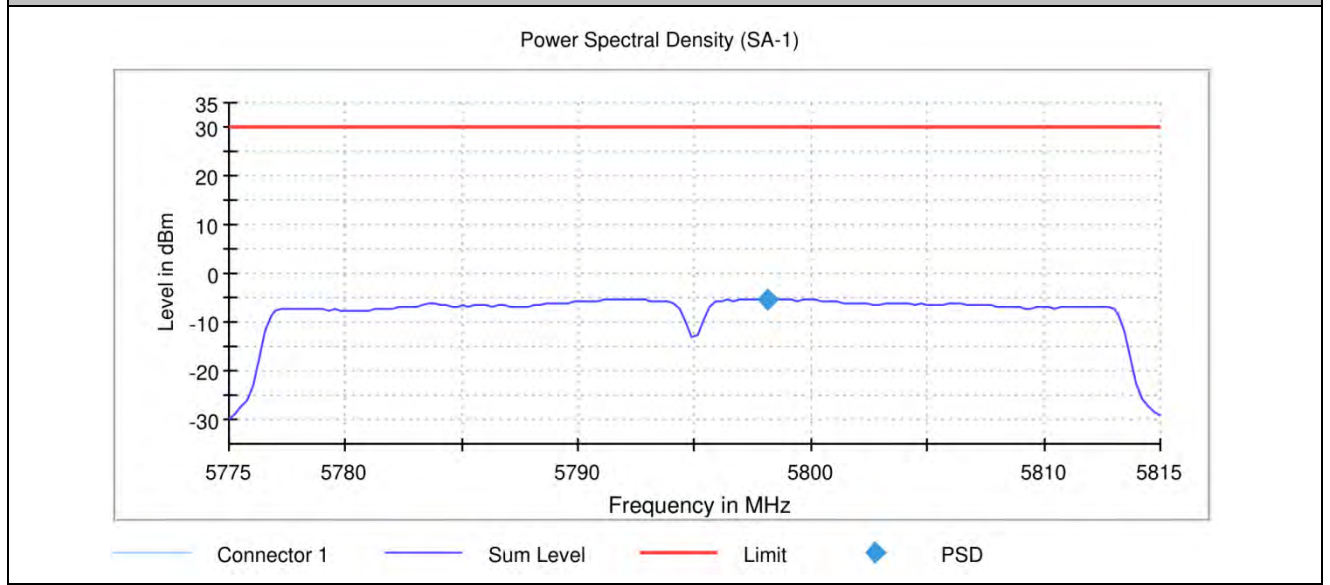
11N40_ANT0_5310



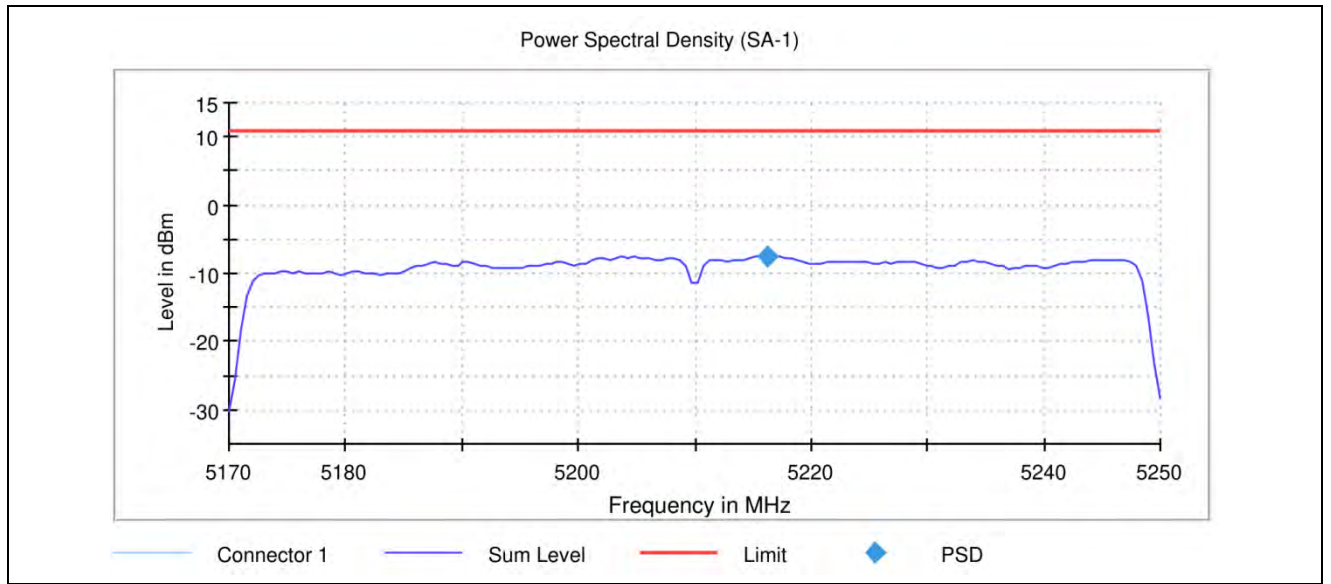
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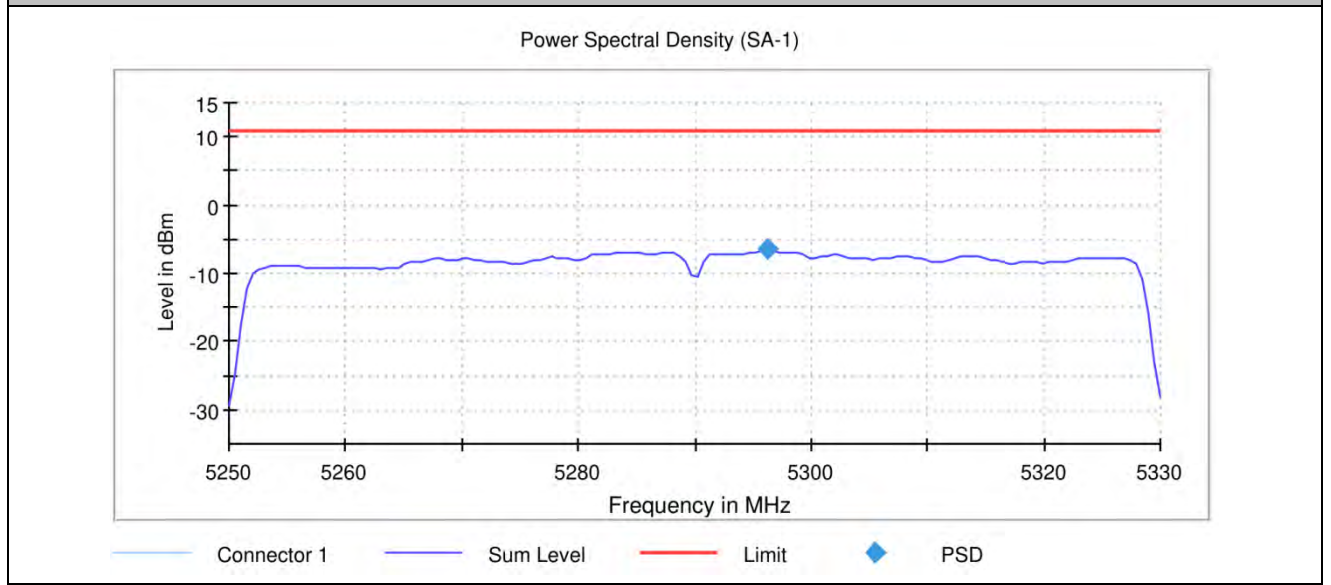
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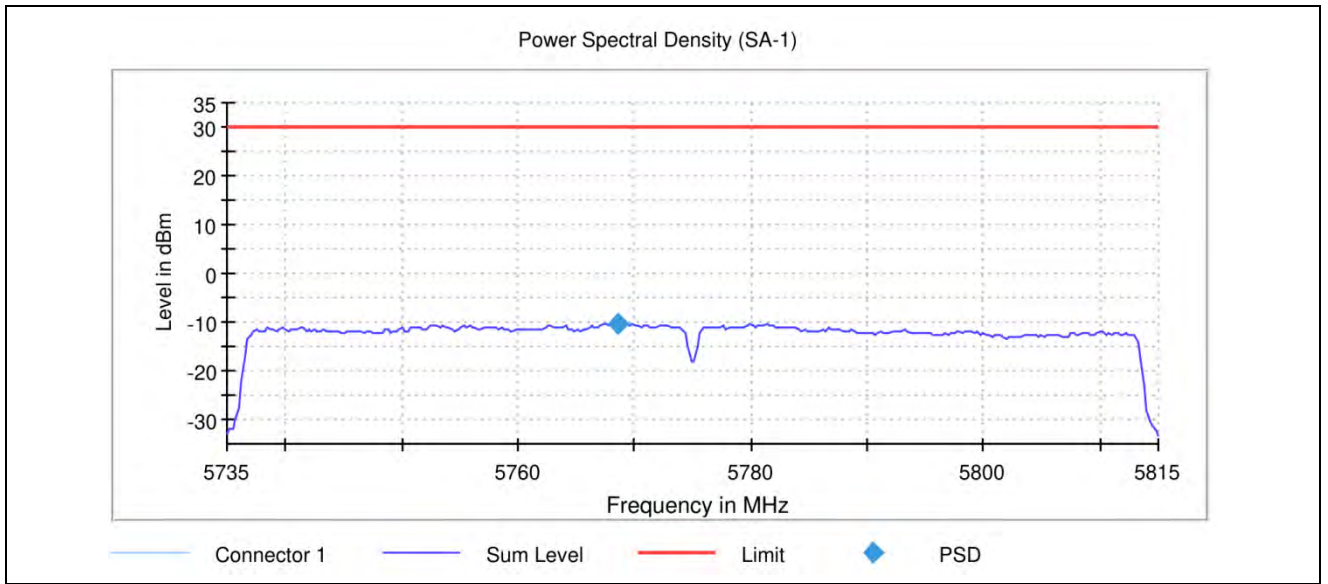
11AC80_ANT0_5210



11AC80_ANT0_5290



11AC80_ANT0_5775



20M
RBW 1.000 MHz
VBW 3.000 MHz
40M
RBW 1.000 MHz
VBW 3.000 MHz
80M
RBW 1.000 MHz
VBW 3.000 MHz
160M
RBW 1.000 MHz
VBW 3.000 MHz

BAND4
20M
RBW 500.000 kHz
VBW 2.000 MHz
40M
RBW 500.000 kHz
VBW 2.000 MHz
80M
RBW 500.000 kHz
VBW 2.000 MHz

--END--