

## **TEST REPORT**

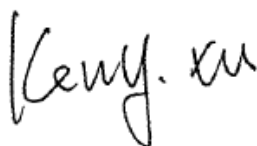
**Application No.:** SZEM2005003945CR  
**Applicant:** DASAN Zhone Solutions, Inc.  
**Address of Applicant:** 1350 South Loop Rd., Suite 130 Alameda, CA 94502 USA  
**Manufacturer:** DASAN Zhone Solutions, Inc.  
**Address of Manufacturer:** 1350 South Loop Rd., Suite 130 Alameda, CA 94502 USA  
**Factory:** Aztech Communication Device (DG) Ltd  
**Address of Factory:** Jiu Jiang Shui Village, Chang Ping Town, Dong Guan City, Guang Dong Province, China

**Equipment Under Test (EUT):**

**EUT Name:** MESH-2100-MoCA-NA  
**Model No.:** MESH-2100-MoCA-NA  
**Trade Mark:** DZS  
**FCC ID:** PJZMESH2100-MOCA  
**Standard(s) :** 47 CFR Part 15, Subpart E 15.407  
**Date of Receipt:** 2020-05-19  
**Date of Test:** 2020-05-20 to 2020-06-04  
**Date of Issue:** 2020-06-09

|                     |              |
|---------------------|--------------|
| <b>Test Result:</b> | <b>Pass*</b> |
|---------------------|--------------|

\* In the configuration tested, the EUT complied with the standards specified above.



Keny Xu  
EMC Laboratory Manager



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| Revision Record |         |            |          |          |
|-----------------|---------|------------|----------|----------|
| Version         | Chapter | Date       | Modifier | Remark   |
| 01              |         | 2020-06-09 |          | Original |
|                 |         |            |          |          |
|                 |         |            |          |          |

|                          |  |                                                                                     |  |
|--------------------------|--|-------------------------------------------------------------------------------------|--|
| Authorized for issue by: |  |                                                                                     |  |
|                          |  |    |  |
|                          |  | Edison Li /Project Engineer                                                         |  |
|                          |  |  |  |
|                          |  | Eric Fu /Reviewer                                                                   |  |



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## 2 Test Summary

| Radio Spectrum Technical Requirement |                                  |        |                                      |        |
|--------------------------------------|----------------------------------|--------|--------------------------------------|--------|
| Item                                 | Standard                         | Method | Requirement                          | Result |
| Antenna Requirement                  | 47 CFR Part 15, Subpart E 15.407 | N/A    | 47 CFR Part 15, Subpart C 15.203     | Pass   |
| Transmission in the Absence of Data  | 47 CFR Part 15, Subpart E 15.407 | N/A    | 47 CFR Part 15, Subpart C 15.407 (c) | Pass   |

N/A: Not applicable

| Radio Spectrum Matter Part                            |                                  |                                |                                                |        |
|-------------------------------------------------------|----------------------------------|--------------------------------|------------------------------------------------|--------|
| Item                                                  | Standard                         | Method                         | Requirement                                    | Result |
| Conducted Emissions at AC Power Line (150kHz-30MHz)   | 47 CFR Part 15, Subpart E 15.407 | ANSI C63.10 (2013) Section 6.2 | 47 CFR Part 15, Subpart C 15.207 & 15.407 b(6) | Pass   |
| 99% Bandwidth                                         | 47 CFR Part 15, Subpart E 15.407 | KDB 789033 II D                | N/A                                            | Pass   |
| 26dB Emission bandwidth                               | 47 CFR Part 15, Subpart E 15.407 | KDB 789033 D02 II C 1          | 47 CFR Part 15, Subpart C 15.407 (a)           | Pass   |
| Minimum 6 dB bandwidth (5.725-5.85 GHz band )         | 47 CFR Part 15, Subpart E 15.407 | KDB 789033 D02 II C 2          | 47 CFR Part 15, Subpart C 15.407 (e)           | Pass   |
| Maximum Conducted output power                        | 47 CFR Part 15, Subpart E 15.407 | KDB 789033 D02 II E            | 47 CFR Part 15, Subpart C 15.407 (a)           | Pass   |
| Peak Power spectrum density                           | 47 CFR Part 15, Subpart E 15.407 | KDB 789033 D02 II F            | 47 CFR Part 15, Subpart C 15.407 (a)           | Pass   |
| Radiated Emissions                                    | 47 CFR Part 15, Subpart E 15.407 | KDB 789033 D02 II G            | 47 CFR Part 15, Subpart C 15.209 & 15.407(b)   | Pass   |
| Radiated Emissions which fall in the restricted bands | 47 CFR Part 15, Subpart E 15.407 | KDB 789033 D02 II G            | 47 CFR Part 15, Subpart C 15.209 & 15.407(b)   | Pass   |
| Frequency Stability                                   | 47 CFR Part 15, Subpart E 15.407 | ANSI C63.10 (2013) Section 6.8 | 47 CFR Part 15, Subpart C 15.407 (g)           | Pass   |

N/A: Not applicable

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## 4 General Information

### 4.1 Details of E.U.T.

|                      |                                                                                                                                          |                          |                      |                    |
|----------------------|------------------------------------------------------------------------------------------------------------------------------------------|--------------------------|----------------------|--------------------|
| Power Supply:        | AC/DC Adapter<br>Model: HS1201500U<br>Input: AC 100-240V, 50/60Hz, 0.8A Max<br>Output: DC 12V, 1.5A, 18.0W                               |                          |                      |                    |
| Test Voltage:        | AC 120V, 60Hz                                                                                                                            |                          |                      |                    |
| Cable:               | DC cable: 140cm unshielded                                                                                                               |                          |                      |                    |
| Internal Source:     | More than 108MHz                                                                                                                         |                          |                      |                    |
| Operation Frequency: | Band                                                                                                                                     | Mode                     | Frequency Range(MHz) | Number of channels |
|                      | UNII Band I                                                                                                                              | 802.11a/n(HT20)/ac(HT20) | 5180-5240            | 4                  |
|                      |                                                                                                                                          | 802.11n(HT40)/ac(HT40)   | 5190-5230            | 2                  |
|                      |                                                                                                                                          | 802.11ac(HT80)           | 5210                 | 1                  |
|                      | UNII Band III                                                                                                                            | 802.11a/n(HT20)/ac(HT20) | 5745-5825            | 5                  |
|                      |                                                                                                                                          | 802.11n(HT40)/ac(HT40)   | 5755-5795            | 2                  |
|                      |                                                                                                                                          | 802.11ac(HT80)           | 5775                 | 1                  |
| Modulation Type:     | 802.11a: OFDM(64QAM, 16QAM, QPSK, BPSK)<br>802.11n: OFDM (BPSK, QPSK, 16QAM, 64QAM)<br>802.11ac: OFDM (BPSK, QPSK, 16QAM, 64QAM, 256QAM) |                          |                      |                    |
| Sample Type:         | Fixed production                                                                                                                         |                          |                      |                    |
| Antenna Type:        | Integrated PCB antennas                                                                                                                  |                          |                      |                    |
| Antenna Gain:        | Antenna1: 4.02dBi, Antenna2: 4.77dBi, Antenna3: 5.19dBi, Antenna4: 4.98dBi<br>Note: MIMO for 802.11n/ac                                  |                          |                      |                    |

### 4.2 Description of Support Units

The EUT has been tested as an independent unit.

### 4.3 Measurement Uncertainty

| No. | Item                            | Measurement Uncertainty              |
|-----|---------------------------------|--------------------------------------|
| 1   | Radio Frequency                 | $\pm 7.25 \times 10^{-8}$            |
| 2   | Duty cycle                      | $\pm 0.37\%$                         |
| 3   | Occupied Bandwidth              | $\pm 3\%$                            |
| 4   | Conduction emission             | $\pm 3.0\text{dB}$ (150kHz to 30MHz) |
| 5   | RF conducted power              | $\pm 0.75\text{dB}$                  |
| 6   | RF power density                | $\pm 2.84\text{dB}$                  |
| 7   | Conducted Spurious emissions    | $\pm 0.75\text{dB}$                  |
| 8   | RF Radiated power               | $\pm 4.5\text{dB}$ (Below 1GHz)      |
|     |                                 | $\pm 4.8\text{dB}$ (Above 1GHz)      |
| 9   | Radiated Spurious emission test | $\pm 4.5\text{dB}$ (Below 1GHz)      |
|     |                                 | $\pm 4.8\text{dB}$ (Above 1GHz)      |
| 10  | Temperature test                | $\pm 1^\circ\text{C}$                |
| 11  | Humidity test                   | $\pm 3\%$                            |
| 12  | Supply voltages                 | $\pm 1.5\%$                          |
| 13  | Time                            | $\pm 3\%$                            |



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No tests were sub-contracted.

#### 4.5 Test Facility

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

- **A2LA (Certificate No. 3816.01)**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory is accredited by the American Association for Laboratory Accreditation(A2LA). Certificate No. 3816.01.

- **VCCI**

The 3m Fully-anechoic chamber for above 1GHz, 10m Semi-anechoic chamber for below 1GHz, Shielded Room for Mains Port Conducted Interference Measurement and Telecommunication Port Conducted Interference Measurement of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: G-20026, R-14188, C-12383 and T-11153 respectively.

- **FCC –Designation Number: CN1178**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized as an accredited testing laboratory.

Designation Number: CN1178. Test Firm Registration Number: 406779.

- **Innovation, Science and Economic Development Canada**

SGS-CSTC Standards Technical Services Co., Ltd., Shenzhen EMC Laboratory has been recognized by ISED as an accredited testing laboratory.

CAB identifier: CN0006.

IC#: 4620C.

#### 4.6 Deviation from Standards

None

#### 4.7 Abnormalities from Standard Conditions

None



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## 5 Equipment List

| Conducted Emissions at AC Power Line (150kHz-30MHz) |                  |                 |              |            |              |
|-----------------------------------------------------|------------------|-----------------|--------------|------------|--------------|
| Equipment                                           | Manufacturer     | Model No        | Inventory No | Cal Date   | Cal Due Date |
| Shielding Room                                      | ZhongYu Electron | GB-88           | SEM001-06    | 2019-06-13 | 2022-06-12   |
| Measurement Software                                | AUDIX            | e3 V8.2014-6-27 | N/A          | N/A        | N/A          |
| Coaxial Cable                                       | SGS              | N/A             | SEM024-01    | 2019-07-11 | 2020-07-10   |
| LISN                                                | Rohde & Schwarz  | ENV216          | SEM007-01    | 2019-09-24 | 2020-09-23   |
| LISN                                                | ETS-LINDGREN     | 3816/2          | SEM007-02    | 2020-04-01 | 2021-03-31   |
| EMI Test Receiver                                   | Rohde & Schwarz  | ESCI            | SEM004-02    | 2020-03-24 | 2021-03-23   |

| RF Conducted Test                    |                 |                 |              |            |              |
|--------------------------------------|-----------------|-----------------|--------------|------------|--------------|
| Equipment                            | Manufacturer    | Model No        | Inventory No | Cal Date   | Cal Due Date |
| Shielding Room                       | SAEMC           | MSR733          | SEM001-09    | 2019-06-13 | 2022-06-12   |
| DC Power Supply                      | Rohde & Schwarz | NGSM 32/10      | SEM011-04    | 2020-03-24 | 2021-03-23   |
| Spectrum Analyzer                    | Rohde & Schwarz | FSP             | SEM004-06    | 2019-09-24 | 2020-09-23   |
| Measurement Software                 | TST             | TST PASS V1.0.5 | N/A          | N/A        | N/A          |
| Coaxial Cable                        | SGS             | N/A             | SEM031-02    | 2019-07-11 | 2020-07-10   |
| Attenuator                           | Huber+Suhner    | 6620_SMA-50-1   | SEM021-09    | N/A        | N/A          |
| Signal Generator                     | KEYSIGHT        | N5173B          | SEM006-05    | 2019-09-24 | 2020-09-23   |
| Power Meter                          | Rohde & Schwarz | NRVS            | SEM014-02    | 2019-09-24 | 2020-09-23   |
| Electric and Magnetic Field Analyzer | Narda           | EHP-50F         | SEM022-05    | 2019-11-28 | 2020-11-27   |
| Power Sensor                         | KEYSIGHT        | U2021XA         | SEM009-13    | 2020-03-23 | 2021-03-22   |

| RE in Chamber               |                      |                 |               |            |               |
|-----------------------------|----------------------|-----------------|---------------|------------|---------------|
| Test Equipment              | Manufacturer         | Model No.       | Inventory No. | Cal. Date  | Cal. Due date |
| 3m Semi-Anechoic Chamber    | ETS-LINDGREN         | N/A             | SEM001-01     | 2017-08-05 | 2020-08-04    |
| MXE EMI receiver            | KEYSIGHT             | N9038A          | SEM004-15     | 2019-12-16 | 2020-12-15    |
| BiConiLog Antenna           | ETS-LINDGREN         | 3142C           | SEM003-01     | 2017-06-27 | 2020-06-26    |
| Pre-amplifier (0.1-1300MHz) | Agilent Technologies | 8447D           | SEM005-01     | 2020-04-01 | 2021-03-31    |
| Measurement Software        | AUDIX                | e3 V8.2014-6-27 | N/A           | N/A        | N/A           |
| Coaxial Cable               | SGS                  | N/A             | SEM025-01     | 2019-07-11 | 2020-07-10    |



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| Radiated Spurious Emissions |                                    |                 |              |            |              |
|-----------------------------|------------------------------------|-----------------|--------------|------------|--------------|
| Equipment                   | Manufacturer                       | Model No        | Inventory No | Cal Date   | Cal Due Date |
| 3m Semi-Anechoic Chamber    | AUDIX                              | N/A             | SEM001-02    | 2018-03-13 | 2021-03-12   |
| Measurement Software        | AUDIX                              | e3 V8.2014-6-27 | N/A          | N/A        | N/A          |
| Coaxial Cable               | SGS                                | N/A             | SEM026-01    | 2019-07-11 | 2020-07-10   |
| EXA Spectrum Analyzer       | AgilentTechnologies Inc            | N9010A          | SEM004-12    | 2020-04-09 | 2021-04-08   |
| Horn Antenna                | Rohde & Schwarz                    | HF907           | SEM003-07    | 2018-04-13 | 2021-04-12   |
| Horn Antenna                | Schwarzbeck                        | BBHA 9170       | SEM003-15    | 2017-10-17 | 2020-10-16   |
| Pre-Amplifier               | Compliance Directions Systems Inc. | PAP-0126        | SEM004-11    | 2019-09-24 | 2020-09-23   |
| Pre-amplifier               | Rohde & Schwarz                    | CH14-H052       | SEM005-17    | 2020-04-01 | 2021-03-31   |
| Pre-amplifier               | Compliance Directions Systems Inc. | PAP-2640-50     | SEM005-08    | 2020-04-01 | 2021-03-31   |
| DC Power Supply             | Zhao Xin                           | KXN-6020D       | SEM011-08    | 2019-09-24 | 2020-09-23   |
| Active Loop Antenna         | ETS-Lindgren                       | 6502            | SEM003-08    | 2017-08-22 | 2020-08-21   |

| Radiated Emissions which fall in the restricted bands |                                    |                 |              |            |              |
|-------------------------------------------------------|------------------------------------|-----------------|--------------|------------|--------------|
| Equipment                                             | Manufacturer                       | Model No        | Inventory No | Cal Date   | Cal Due Date |
| 3m Semi-Anechoic Chamber                              | AUDIX                              | N/A             | SEM001-02    | 2018-03-13 | 2021-03-12   |
| Measurement Software                                  | AUDIX                              | e3 V8.2014-6-27 | N/A          | N/A        | N/A          |
| Coaxial Cable                                         | SGS                                | N/A             | SEM026-01    | 2019-07-11 | 2020-07-10   |
| EXA Spectrum Analyzer                                 | AgilentTechnologies Inc            | N9010A          | SEM004-12    | 2020-04-09 | 2021-04-08   |
| Horn Antenna                                          | Rohde & Schwarz                    | HF907           | SEM003-07    | 2018-04-13 | 2021-04-12   |
| Horn Antenna                                          | Schwarzbeck                        | BBHA 9170       | SEM003-15    | 2017-10-17 | 2020-10-16   |
| Pre-Amplifier                                         | Compliance Directions Systems Inc. | PAP-0126        | SEM004-11    | 2019-09-24 | 2020-09-23   |
| Pre-amplifier                                         | Rohde & Schwarz                    | CH14-H052       | SEM005-17    | 2020-04-01 | 2021-03-31   |
| Pre-amplifier                                         | Compliance Directions Systems Inc. | PAP-2640-50     | SEM005-08    | 2020-04-01 | 2021-03-31   |
| DC Power Supply                                       | Zhao Xin                           | KXN-6020D       | SEM011-08    | 2019-09-24 | 2020-09-23   |
| Active Loop Antenna                                   | ETS-Lindgren                       | 6502            | SEM003-08    | 2017-08-22 | 2020-08-21   |



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| General used equipment          |                                           |          |              |            |              |
|---------------------------------|-------------------------------------------|----------|--------------|------------|--------------|
| Equipment                       | Manufacturer                              | Model No | Inventory No | Cal Date   | Cal Due Date |
| Humidity/ Temperature Indicator | Shanghai Meteorological Industry Factory  | ZJ1-2B   | SEM002-03    | 2019-09-26 | 2020-09-25   |
| Humidity/ Temperature Indicator | Shanghai Meteorological Industry Factory  | ZJ1-2B   | SEM002-04    | 2019-09-26 | 2020-09-25   |
| Humidity/ Temperature Indicator | Mingle                                    | N/A      | SEM002-08    | 2019-09-26 | 2020-09-25   |
| Barometer                       | Changchun Meteorological Industry Factory | DYM3     | SEM002-01    | 2020-04-07 | 2021-04-06   |



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## 6 Radio Spectrum Technical Requirement

### 6.1 Antenna Requirement

#### 6.1.1 Test Requirement:

47 CFR Part 15, Subpart C 15.203

#### 6.1.2 Conclusion

Standard Requirement:

An intentional radiator shall be designed to ensure that no antenna other than that furnished by the responsible party shall be used with the device. The use of a antenna that uses a unique coupling to the intentional radiator, the manufacturer may design the unit permanently attached antenna or of an so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited.

EUT Antenna:

The antenna is integrated on the main PCB and no consideration of replacement. The best case gain of the Antenna1 is 4.02dBi, Antenna2 is 4.77dBi, Antenna3 is 5.19dBi, Antenna4 is 4.98dBi.

Antenna location: Refer to Internal photos.

## 6.2 Transmission in the Absence of Data

### 6.2.1 Test Requirement:

47 CFR Part 15, Subpart C 15.407 (c)

### 6.2.2 Conclusion

Standard Requirement:

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 signalling 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.

EUT Details:

WIFI chip (QT2518B) support automatically discontinue transmission in case of either absence of information to transmit or operational failure, if the chip detect absence of information to transmit or operational failure, it will be automatically shut off.

## 7 Radio Spectrum Matter Test Results

### 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz)

Test Requirement 47 CFR Part 15, Subpart C 15.207 & 15.407 b(6)

Test Method: ANSI C63.10 (2013) Section 6.2

Limit:

| 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        |

\*Decreases with the logarithm of the frequency.

#### 7.1.1 E.U.T. Operation

Operating Environment:

Temperature: 22 °C Humidity: 52 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case: c:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

d:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

The worst case for final test: c:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

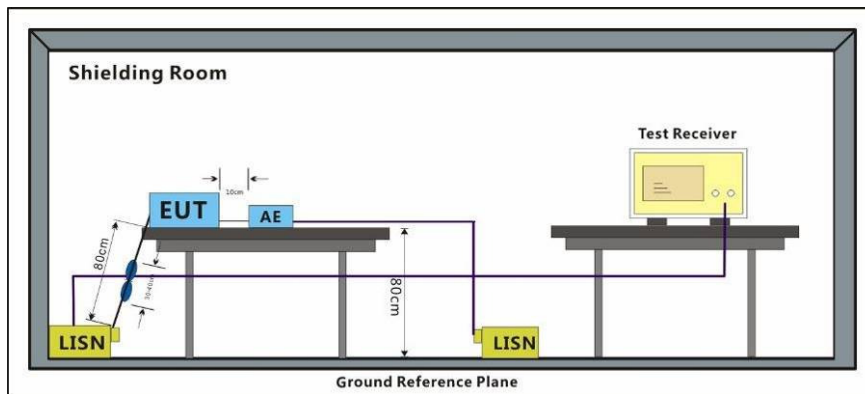


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### 7.1.2 Test Setup Diagram



### 7.1.3 Measurement Procedure and Data

- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a  $50\Omega/50\mu\text{H} + 50\Omega$  linear impedance. The power cables of all other units of the EUT were connected to a second LISN 2, which was bonded to the ground reference plane in the same way as the LISN 1 for the unit being measured. A multiple socket outlet strip was used to connect multiple power cables to a single LISN provided the rating of the LISN was not exceeded.
- 3) The tabletop EUT was placed upon a non-metallic table 0.8m above the ground reference plane. And for floor-standing arrangement, the EUT was placed on the horizontal ground reference plane,
- 4) The test was performed with a vertical ground reference plane. The rear of the EUT shall be 0.4 m from the vertical ground reference plane. The vertical ground reference plane was bonded to the horizontal ground reference plane. The LISN 1 was placed 0.8 m from the boundary of the unit under test and bonded to a ground reference plane for LISNs mounted on top of the ground reference plane. This distance was between the closest points of the LISN 1 and the EUT. All other units of the EUT and associated equipment was at least 0.8 m from the LISN 2.
- 5) In order to find the maximum emission, the relative positions of equipment and all of the interface cables must be changed according to ANSI C63.10 on conducted measurement.

Remark: LISN=Read Level+ Cable Loss+ LISN Factor



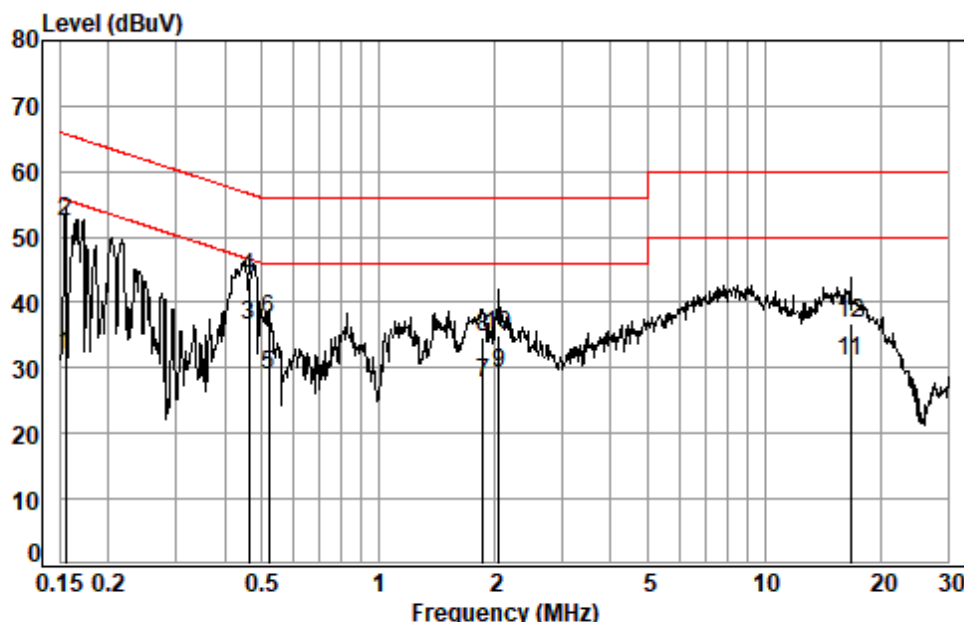
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Mode:c; Line:Live Line



Site : Shielding Room

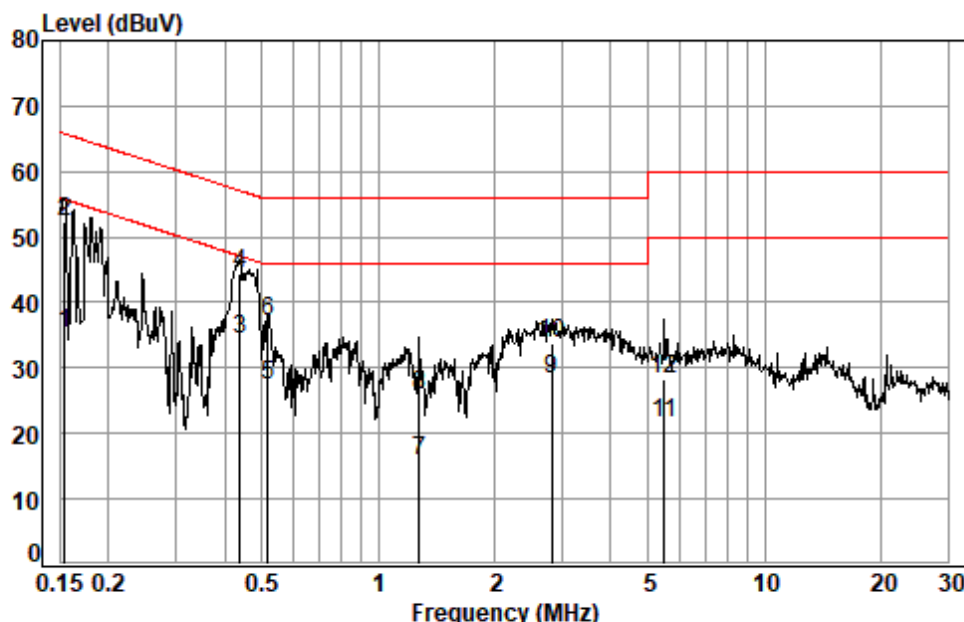
Condition: Line

Job No. : 03945CR

Test mode: c

|    | Freq    | Cable Loss | LISN Factor | Read Level | Level | Limit Line | Over Limit | Remark  |
|----|---------|------------|-------------|------------|-------|------------|------------|---------|
|    | MHz     | dB         | dB          | dBuV       | dBuV  | dBuV       | dB         |         |
| 1  | 0.1548  | 0.01       | 9.68        | 22.29      | 31.98 | 55.74      | -23.76     | Average |
| 2  | 0.1548  | 0.01       | 9.68        | 42.57      | 52.26 | 65.74      | -13.48     | QP      |
| 3  | 0.4612  | 0.06       | 9.69        | 26.63      | 36.38 | 46.67      | -10.29     | Average |
| 4  | 0.4612  | 0.06       | 9.69        | 34.16      | 43.91 | 56.67      | -12.76     | QP      |
| 5  | 0.5210  | 0.06       | 9.69        | 19.00      | 28.75 | 46.00      | -17.25     | Average |
| 6  | 0.5210  | 0.06       | 9.69        | 27.74      | 37.49 | 56.00      | -18.51     | QP      |
| 7  | 1.8680  | 0.15       | 9.74        | 17.90      | 27.79 | 46.00      | -18.21     | Average |
| 8  | 1.8680  | 0.15       | 9.74        | 24.73      | 34.62 | 56.00      | -21.38     | QP      |
| 9  | 2.0549  | 0.16       | 9.75        | 19.15      | 29.06 | 46.00      | -16.94     | Average |
| 10 | 2.0549  | 0.16       | 9.75        | 24.95      | 34.86 | 56.00      | -21.14     | QP      |
| 11 | 16.6612 | 0.22       | 10.69       | 20.25      | 31.16 | 50.00      | -18.84     | Average |
| 12 | 16.6612 | 0.22       | 10.69       | 25.80      | 36.71 | 60.00      | -23.29     | QP      |

Mode:c; Line:Neutral Line



Site : Shielding Room

Condition: Neutral

Job No. : 03945CR

Test mode: c

|    | Freq   | Cable Loss | LISN Factor | Read Level | Limit Level | Limit Line | Over Limit | Remark  |
|----|--------|------------|-------------|------------|-------------|------------|------------|---------|
|    | MHz    | dB         | dB          | dBuV       | dBuV        | dBuV       | dB         |         |
| 1  | 0.1540 | 0.01       | 9.67        | 25.72      | 35.40       | 55.78      | -20.38     | Average |
| 2  | 0.1540 | 0.01       | 9.67        | 42.69      | 52.37       | 65.78      | -13.41     | QP      |
| 3  | 0.4374 | 0.05       | 9.67        | 24.79      | 34.51       | 47.11      | -12.60     | Average |
| 4  | 0.4374 | 0.05       | 9.67        | 34.70      | 44.42       | 57.11      | -12.69     | QP      |
| 5  | 0.5182 | 0.06       | 9.67        | 17.54      | 27.27       | 46.00      | -18.73     | Average |
| 6  | 0.5182 | 0.06       | 9.67        | 27.32      | 37.05       | 56.00      | -18.95     | QP      |
| 7  | 1.2756 | 0.11       | 9.70        | 5.99       | 15.80       | 46.00      | -30.20     | Average |
| 8  | 1.2756 | 0.11       | 9.70        | 16.08      | 25.89       | 56.00      | -30.11     | QP      |
| 9  | 2.8091 | 0.16       | 9.76        | 18.45      | 28.37       | 46.00      | -17.63     | Average |
| 10 | 2.8091 | 0.16       | 9.76        | 23.85      | 33.77       | 56.00      | -22.23     | QP      |
| 11 | 5.5054 | 0.17       | 9.88        | 11.65      | 21.70       | 50.00      | -28.30     | Average |
| 12 | 5.5054 | 0.17       | 9.88        | 18.32      | 28.37       | 60.00      | -31.63     | QP      |



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### 7.2 99% Bandwidth

Test Requirement N/A

Test Method: KDB 789033 II D

#### 7.2.1 E.U.T. Operation

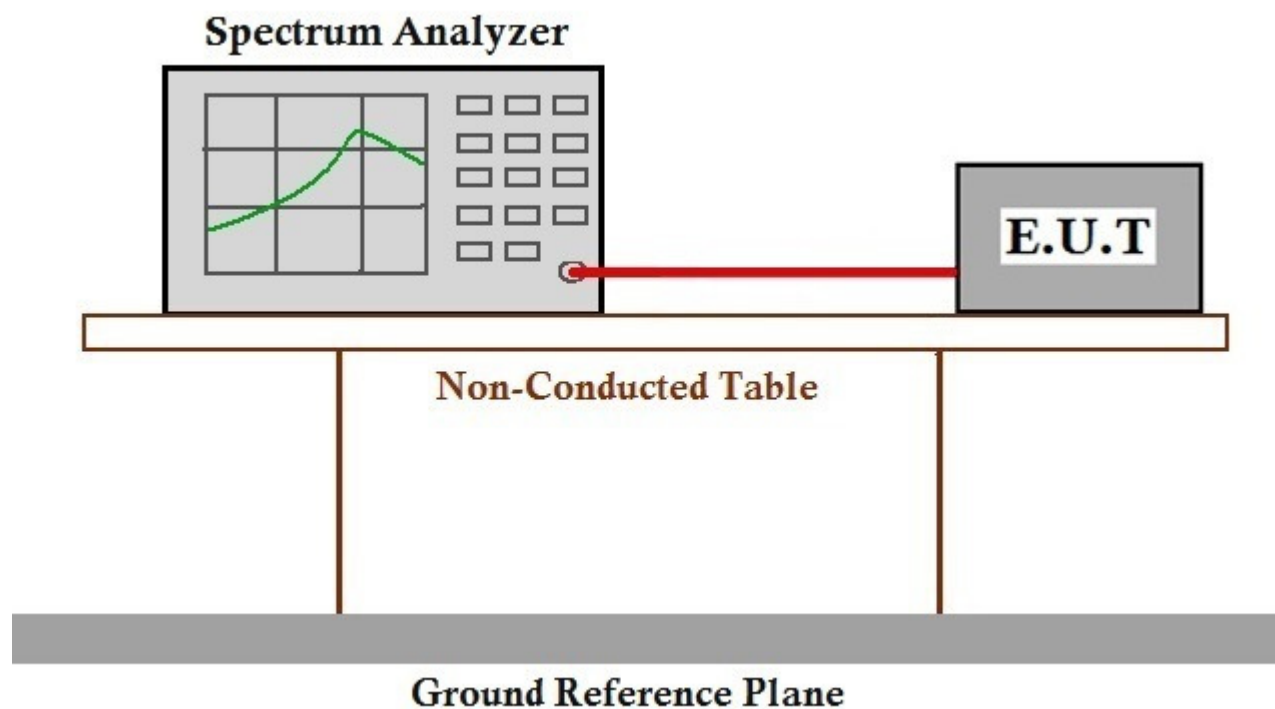
Operating Environment:

Temperature: 28.5 °C Humidity: 44.6 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

d:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

#### 7.2.2 Test Setup Diagram



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### 7.2.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



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 Shenzhen Branch (China) (CMAA) Laboratory

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## 7.3 26dB Emission bandwidth

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II C 1

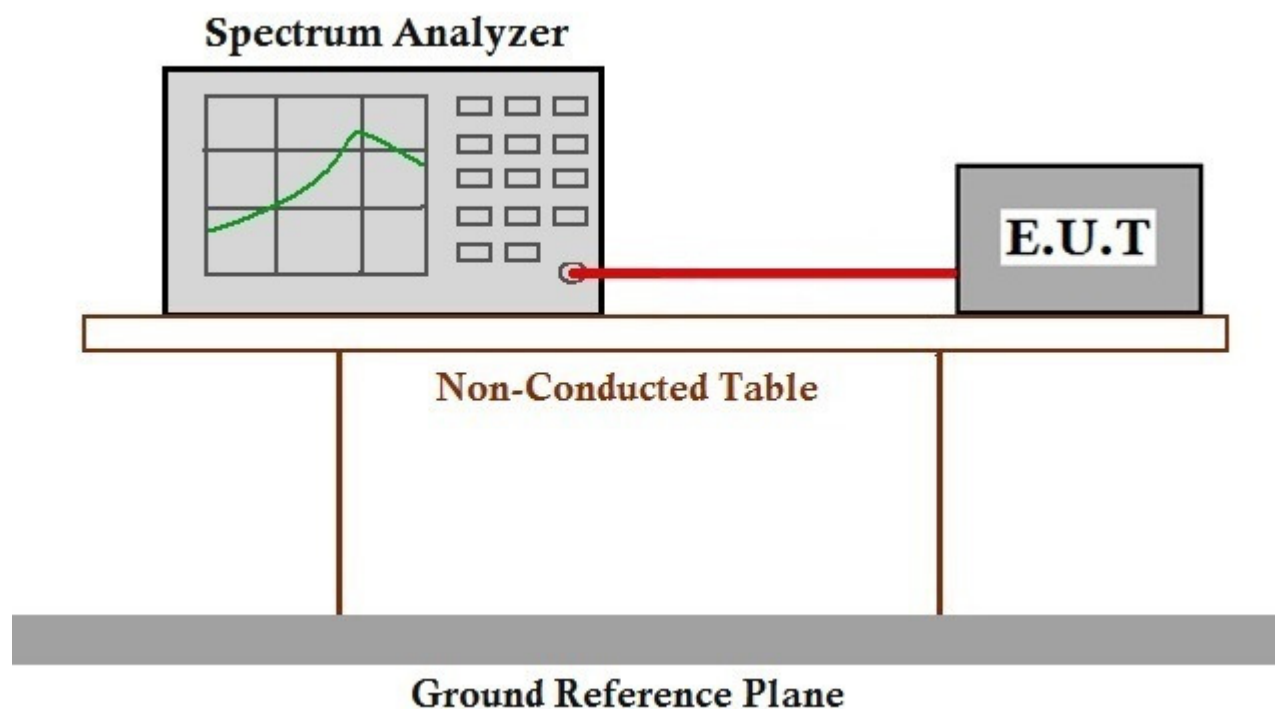
### 7.3.1 E.U.T. Operation

Operating Environment:

Temperature: 28.5 °C Humidity: 44.4 % RH Atmospheric Pressure: 1010 mbar

Test mode: d:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.3.2 Test Setup Diagram



### 7.3.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407

### 7.4 Minimum 6 dB bandwidth (5.725-5.85 GHz band)

Test Requirement 47 CFR Part 15, Subpart C 15.407 (e)

Test Method: KDB 789033 D02 II C 2

Limit:  $\geq 500$  kHz

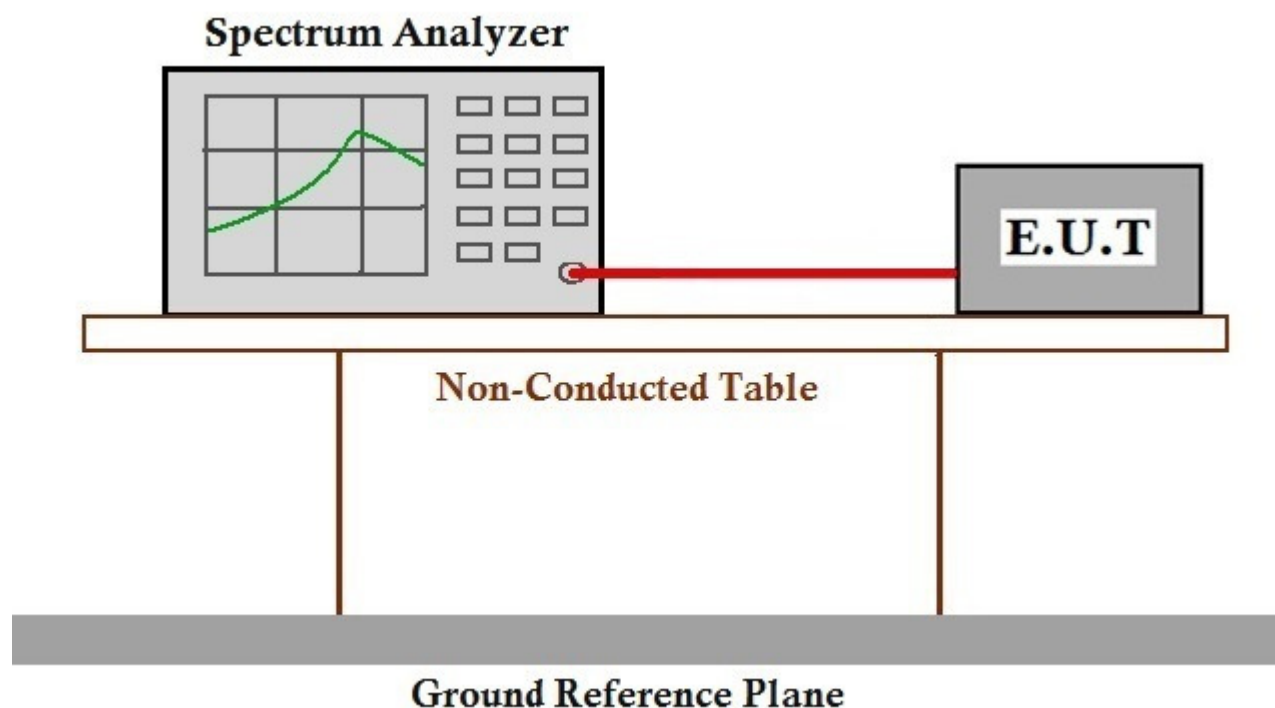
#### 7.4.1 E.U.T. Operation

Operating Environment:

Temperature: 28.5 °C Humidity: 44.4 % RH Atmospheric Pressure: 1010 mbar

Test mode: d:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

#### 7.4.2 Test Setup Diagram



#### 7.4.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407

## 7.5 Maximum Conducted output power

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II E

Limit:

| Frequency band(MHz) | Limit                                                                                                                                                                                                                                   |
|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5150-5250           | ≤1W(30dBm) for master device                                                                                                                                                                                                            |
|                     | ≤250mW(24dBm) for client device                                                                                                                                                                                                         |
| 5250-5350           | ≤250mW(24dBm) for client device or 11dBm+10logB*                                                                                                                                                                                        |
| 5470-5725           | ≤250mW(24dBm) for client device or 11dBm+10logB*                                                                                                                                                                                        |
| 5725-5850           | ≤1W(30dBm)                                                                                                                                                                                                                              |
| Remark:             | <p>* Where B is the 26dB emission bandwidth in MHz.</p> <p>The maximum conducted output power must be measured over any interval of continuous transmission using instrumentation calibrated in terms of an rms-equivalent voltage.</p> |

### 7.5.1 E.U.T. Operation

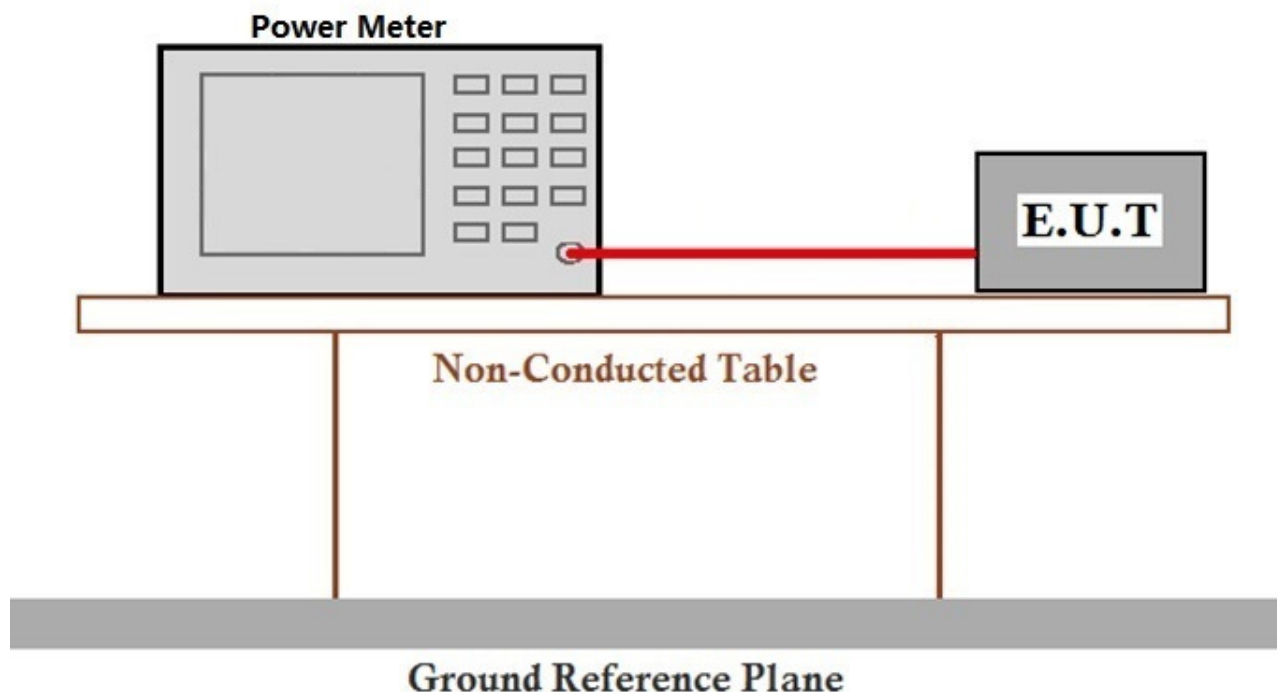
Operating Environment:

Temperature: 28.6 °C Humidity: 44.5 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 1) Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

d:TX mode (Band 3) Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

## 7.5.2 Test Setup Diagram



## 7.5.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



## 7.6 Peak Power spectrum density

Test Requirement 47 CFR Part 15, Subpart C 15.407 (a)

Test Method: KDB 789033 D02 II F

Limit:

| Frequency band(MHz) | Limit                                                                                                                                                    |
|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| 5150-5250           | ≤17dBm in 1MHz for master device                                                                                                                         |
|                     | ≤11dBm in 1MHz for client device                                                                                                                         |
| 5250-5350           | ≤11dBm in 1MHz for client device                                                                                                                         |
| 5470-5725           | ≤11dBm in 1MHz for client device                                                                                                                         |
| 5725-5850           | ≤30dBm in 500 kHz                                                                                                                                        |
| Remark:             | The maximum power spectral density is measured as a conducted emission by direct connection of a calibrated test instrument to the equipment under test. |

### 7.6.1 E.U.T. Operation

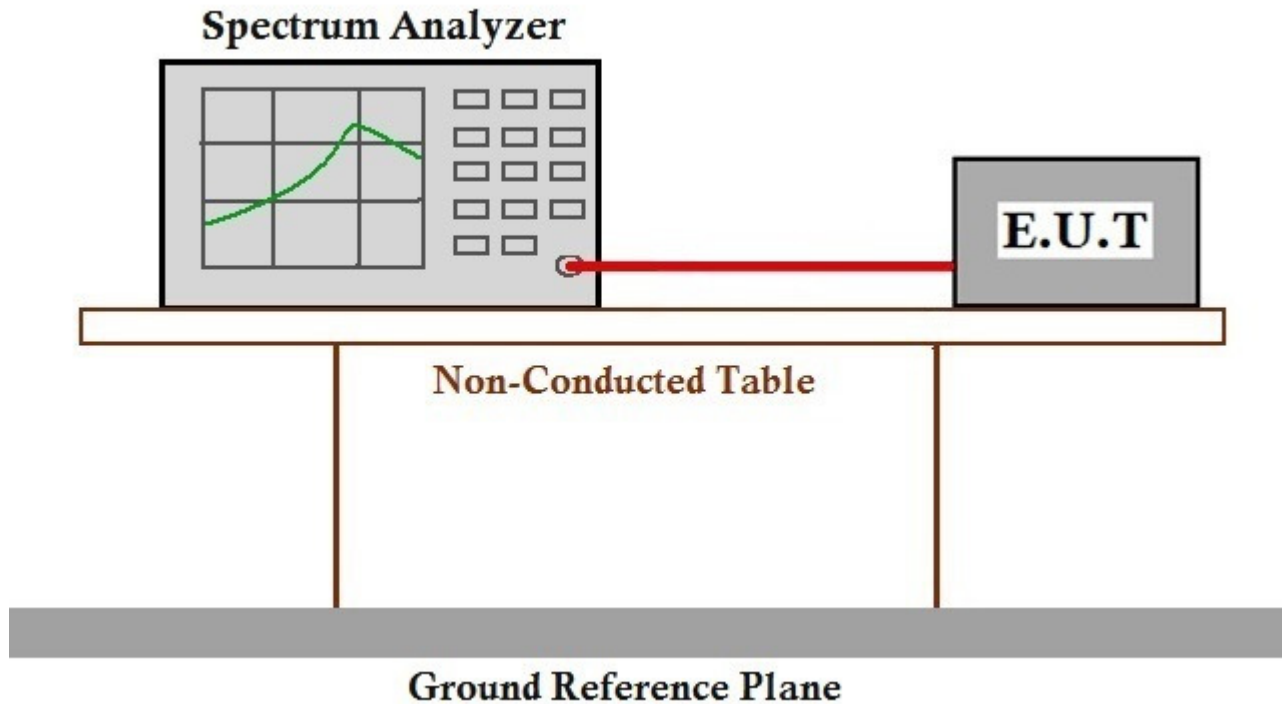
Operating Environment:

Temperature: 28.5 °C Humidity: 44.5 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

d:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

## 7.6.2 Test Setup Diagram



## 7.6.3 Measurement Procedure and Data

The detailed test data see: Appendix 15.407



## 7.7 Radiated Emissions

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement                                       | 47 CFR Part 15, Subpart C 15.209 & 15.407(b)                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Test Method:                                           | KDB 789033 D02 II G                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Measurement Distance:                                  | 3m                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Limit:                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| For transmitters operating in the 5.15-5.25 GHz band:  | All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                  |
| For transmitters operating in the 5.25-5.35 GHz band:  | All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                  |
| For transmitters operating in the 5.47-5.725 GHz band: | All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                 |
| For transmitters operating in the 5.725-5.85 GHz band: | (i) All emissions shall be limited to a level of -27 dBm/MHz (68.2dBuV/m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz (105.2dBuV/m) 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 (110.8dBuV/m) 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 (122.2dBuV/m) at the band edge. |

| Frequency(MHz) | Field strength(microvolts/meter) | Measurement distance(meters) |
|----------------|----------------------------------|------------------------------|
| 0.009-0.490    | 2400/F(kHz)                      | 300                          |
| 0.490-1.705    | 24000/F(kHz)                     | 30                           |
| 1.705-30.0     | 30                               | 30                           |
| 30-88          | 100                              | 3                            |
| 88-216         | 150                              | 3                            |
| 216-960        | 200                              | 3                            |
| Above 960      | 500                              | 3                            |

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

### 7.7.1 E.U.T. Operation

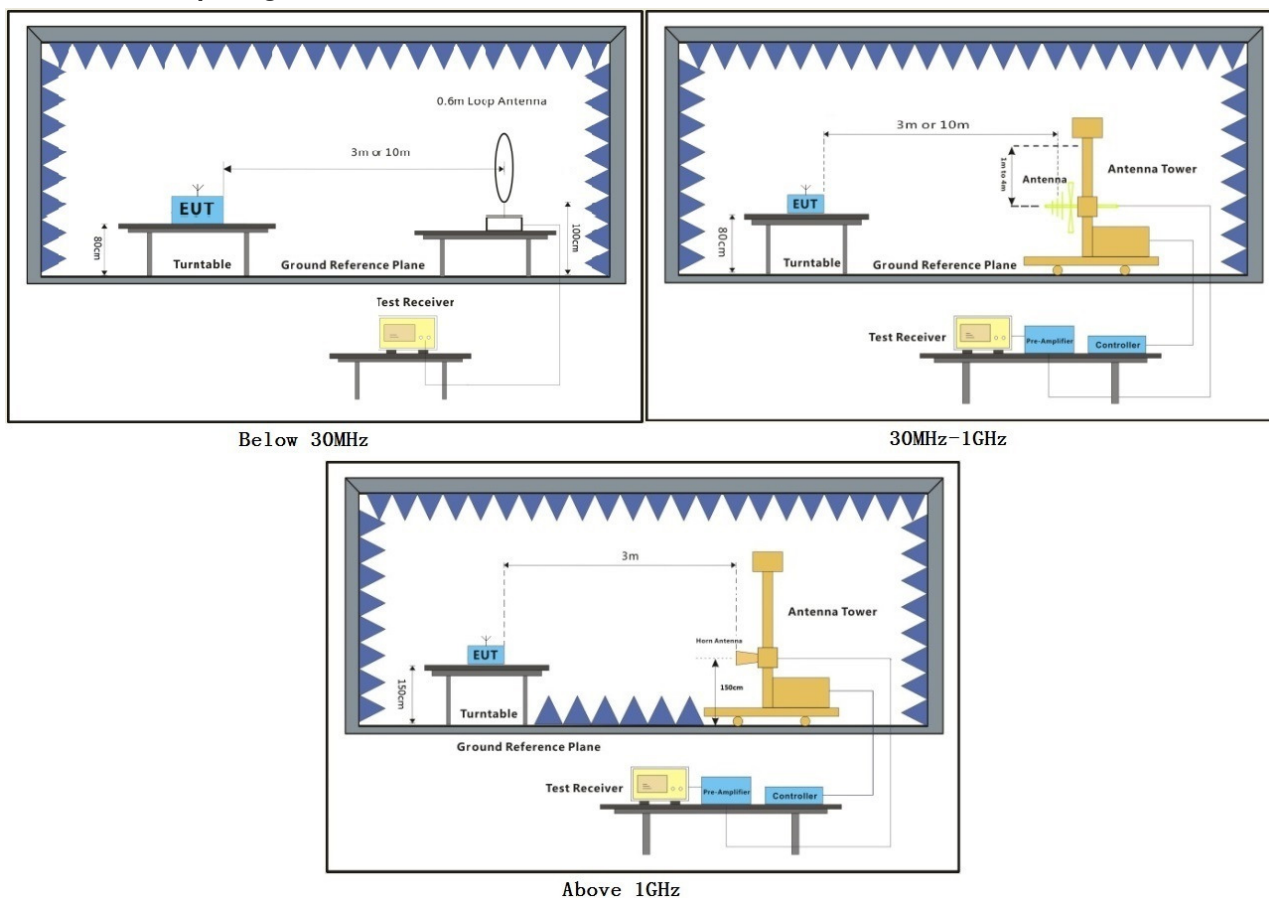
Operating Environment:

Temperature: 24 °C Humidity: 64.8 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

d:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.7.2 Test Setup Diagram



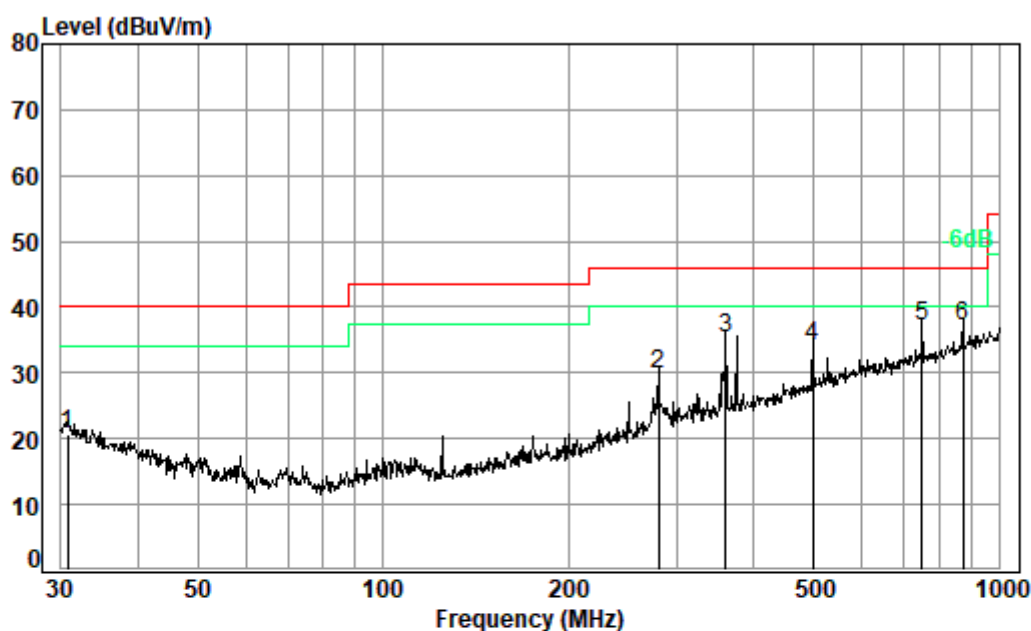
### 7.7.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

Remark:

1. Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor
2. For emission below 1GHz, through the pre-scan found the worst case is the lowest channel of 802.11a. Only the worst case is recorded in the report.
3. Scan from 9kHz to 40GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
4. As shown in this section, for frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
5. Pretest the EUT at antenna 1, antenna 2, antenna 3 and antenna 4, found the antenna 3 which is worst case for 802.11a mode, Pretest the EUT at antenna 1, antenna 2, antenna 3, antenna 4 and MIMO mode, found the MIMO mode which is worst case for 802.11n/ac mode; So, Only the worst test data is recorded in the report.

Mode:c; Polarization:Horizontal



Condition: 3m HORIZONTAL

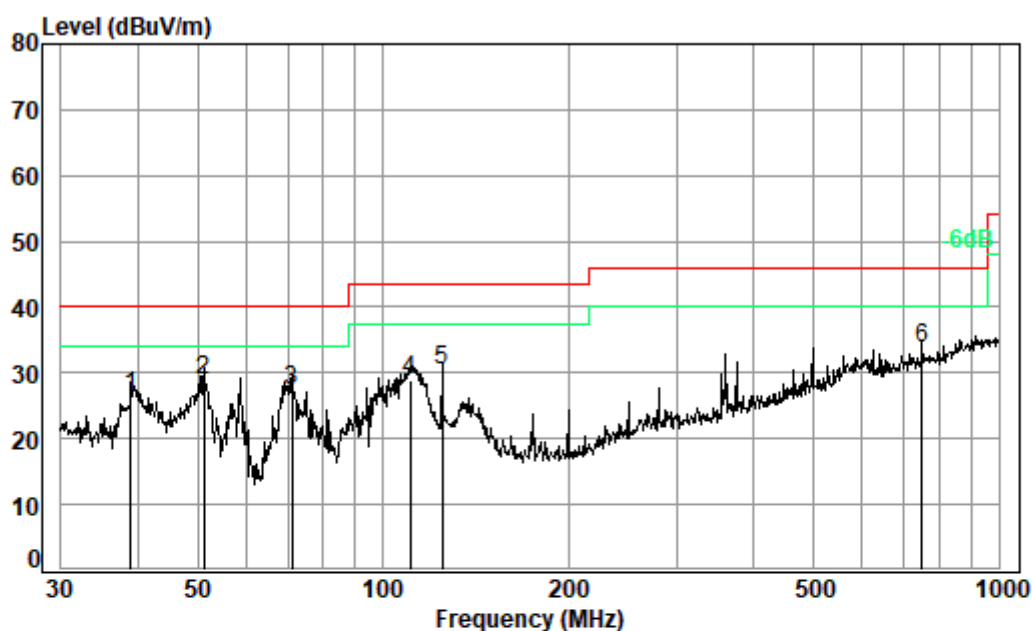
Job No. : 03945CR

Test Mode: c

|      | Freq   | Cable | Ant    | Preamp | Read  | Limit  | Over   |           |
|------|--------|-------|--------|--------|-------|--------|--------|-----------|
|      | MHz    | Loss  | Factor | Factor | Level | Line   | Limit  | Remark    |
|      | MHz    | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB        |
| 1    | 30.75  | 0.60  | 22.07  | 27.73  | 25.84 | 20.78  | 40.00  | -19.22 QP |
| 2    | 280.02 | 1.81  | 18.80  | 26.92  | 36.22 | 29.91  | 46.00  | -16.09 QP |
| 3    | 360.45 | 2.09  | 21.39  | 27.20  | 39.07 | 35.35  | 46.00  | -10.65 QP |
| 4    | 499.42 | 2.60  | 24.59  | 27.80  | 34.75 | 34.14  | 46.00  | -11.86 QP |
| 5    | 750.11 | 3.06  | 28.21  | 27.82  | 33.76 | 37.21  | 46.00  | -8.79 QP  |
| 6 pp | 875.25 | 3.51  | 29.49  | 27.30  | 31.52 | 37.22  | 46.00  | -8.78 QP  |



Mode:c; Polarization:Vertical



Condition: 3m VERTICAL

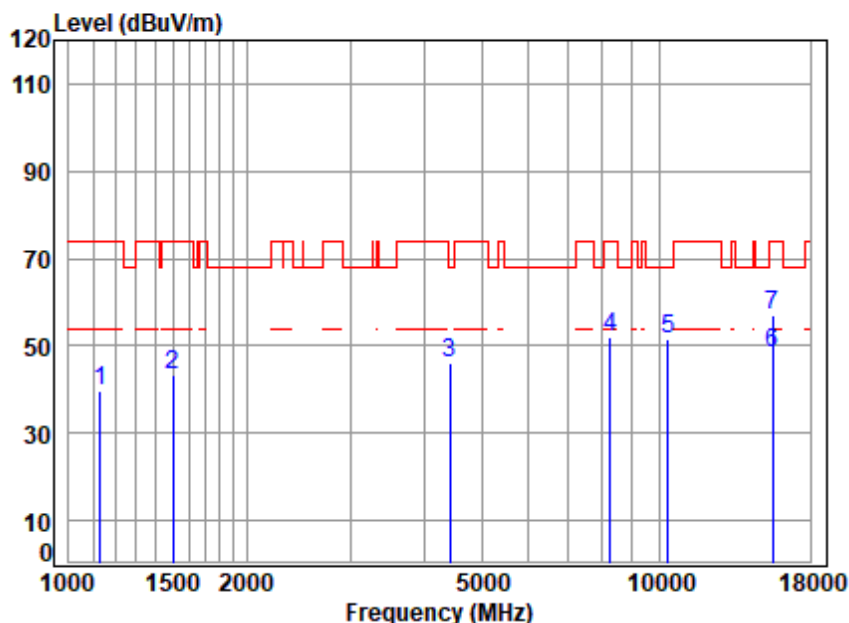
Job No. : 03945CR

Test Mode: c

|   | Freq   | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level  | Limit  | Over Limit | Remark |
|---|--------|------------|------------|---------------|------------|--------|--------|------------|--------|
|   | MHz    | dB         | dB/m       | dB            | dBuV       | dBuV/m | dBuV/m | dB         |        |
| 1 | 39.02  | 0.60       | 17.93      | 27.71         | 35.64      | 26.46  | 40.00  | -13.54     | QP     |
| 2 | 51.12  | 0.80       | 14.08      | 27.68         | 41.55      | 28.75  | 40.00  | -11.25     | QP     |
| 3 | 71.08  | 0.83       | 12.71      | 27.65         | 41.48      | 27.37  | 40.00  | -12.63     | QP     |
| 4 | 110.57 | 1.23       | 13.50      | 27.54         | 41.82      | 29.01  | 43.50  | -14.49     | QP     |
| 5 | 125.01 | 1.26       | 13.26      | 27.46         | 43.35      | 30.41  | 43.50  | -13.09     | QP     |
| 6 | 750.11 | 3.06       | 28.21      | 27.82         | 30.36      | 33.81  | 46.00  | -12.19     | QP     |



Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low

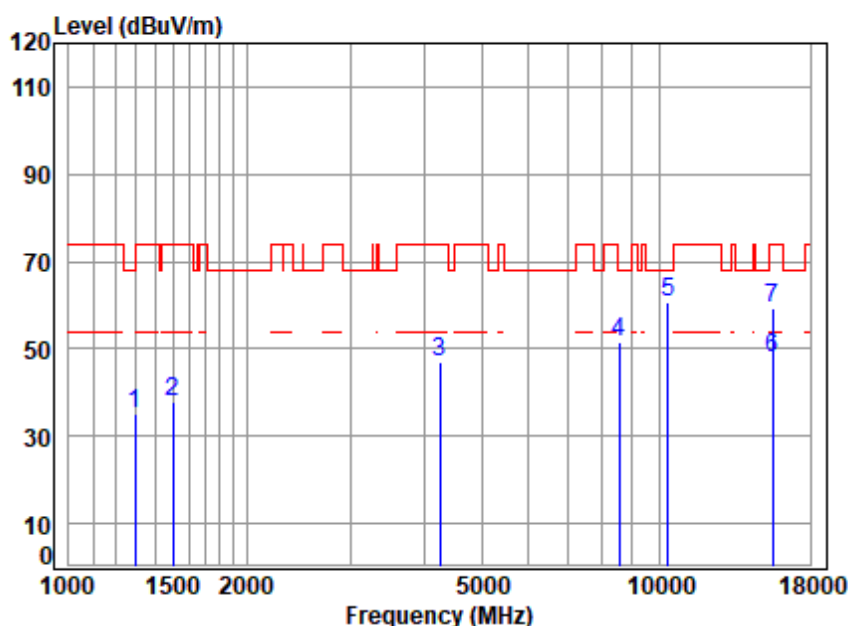


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 TX SE  
Note : 5G WIFI 11A

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1129.072  | 2.32  | 24.26  | 40.22  | 53.16 | 39.52  | 74.00  | -34.48 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 54.92 | 43.19  | 74.00  | -30.81 | peak    |
| 3 | 4417.841  | 6.63  | 33.46  | 42.49  | 48.63 | 46.23  | 68.20  | -21.97 | peak    |
| 4 | 8271.880  | 8.23  | 36.87  | 40.72  | 47.79 | 52.17  | 74.00  | -21.83 | peak    |
| 5 | 10360.000 | 9.62  | 37.76  | 38.17  | 42.57 | 51.78  | 68.20  | -16.42 | peak    |
| 6 | 15540.000 | 12.08 | 40.72  | 40.58  | 36.02 | 48.24  | 54.00  | -5.76  | Average |
| 7 | 15540.000 | 12.08 | 40.72  | 40.58  | 45.02 | 57.24  | 74.00  | -16.76 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low

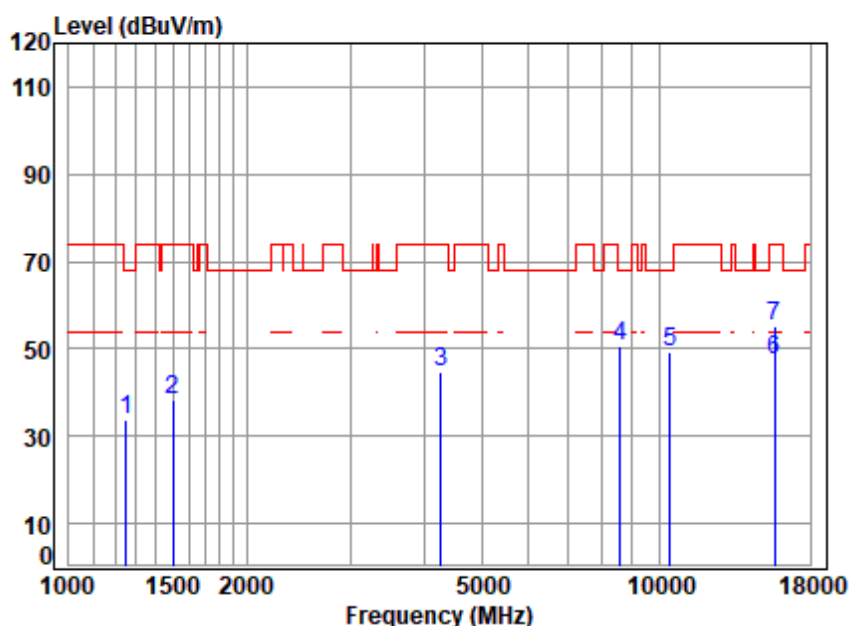


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5180 TX SE  
Note : 5G WIFI 11A

|   |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|---|-----------|-------|--------|--------|-------|--------|--------|---------------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 | 1293.359  | 2.88  | 25.00  | 40.36  | 47.56 | 35.08  | 68.20  | -33.12 peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 49.60 | 37.87  | 74.00  | -36.13 peak   |
| 3 | 4254.921  | 6.22  | 33.17  | 42.36  | 49.97 | 47.00  | 74.00  | -27.00 peak   |
| 4 | 8563.818  | 8.81  | 37.03  | 40.22  | 46.14 | 51.76  | 68.20  | -16.44 peak   |
| 5 | 10360.000 | 9.62  | 37.76  | 38.17  | 51.56 | 60.77  | 68.20  | -7.43 peak    |
| 6 | 15540.000 | 12.08 | 40.72  | 40.58  | 35.89 | 48.11  | 54.00  | -5.89 Average |
| 7 | 15540.000 | 12.08 | 40.72  | 40.58  | 46.88 | 59.10  | 74.00  | -14.90 peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle

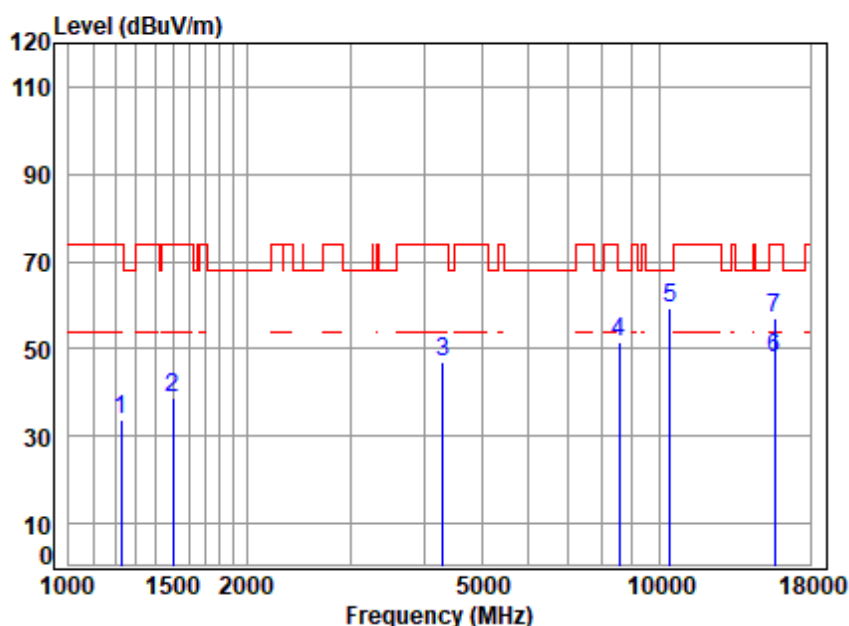


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5220 TX SE  
Note : 5G WIFI 11A

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 46.71 | 33.97  | 68.20  | -34.23 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.18 | 38.45  | 74.00  | -35.55 | peak    |
| 3 | 4267.237  | 6.24  | 33.19  | 42.37  | 47.59 | 44.65  | 74.00  | -29.35 | peak    |
| 4 | 8588.607  | 8.88  | 37.04  | 40.18  | 44.83 | 50.57  | 68.20  | -17.63 | peak    |
| 5 | 10440.000 | 9.49  | 37.72  | 38.21  | 40.31 | 49.31  | 68.20  | -18.89 | peak    |
| 6 | 15660.000 | 11.70 | 40.80  | 40.58  | 35.55 | 47.47  | 54.00  | -6.53  | Average |
| 7 | 15660.000 | 11.70 | 40.80  | 40.58  | 43.29 | 55.21  | 74.00  | -18.79 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle

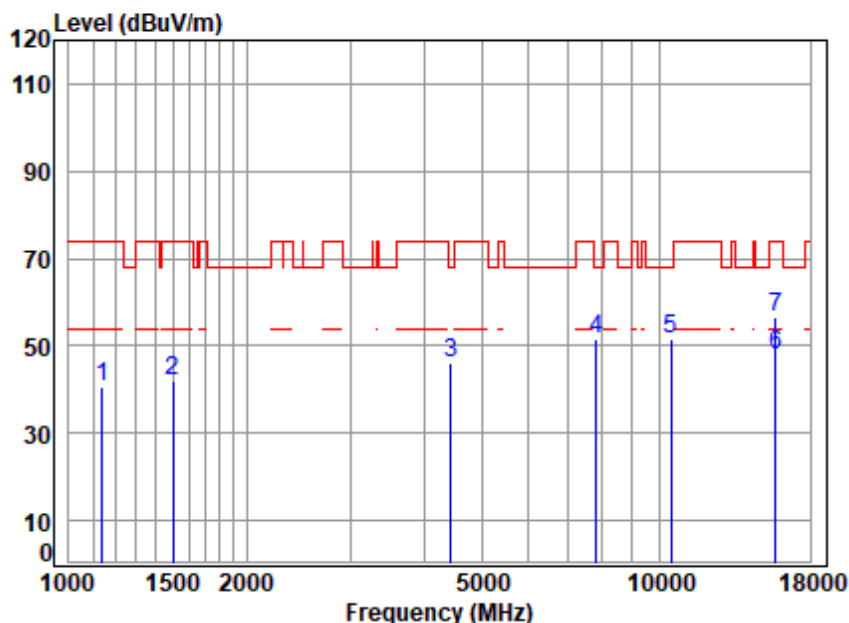


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5220 TX SE  
Note : 5G WIFI 11A

|   |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|---|-----------|-------|--------|--------|-------|--------|--------|---------------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 | 1227.791  | 2.71  | 24.71  | 40.31  | 46.64 | 33.75  | 74.00  | -40.25 peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.66 | 38.93  | 74.00  | -35.07 peak   |
| 3 | 4304.400  | 6.32  | 33.26  | 42.40  | 49.63 | 46.81  | 74.00  | -27.19 peak   |
| 4 | 8539.102  | 8.73  | 37.02  | 40.26  | 45.95 | 51.44  | 68.20  | -16.76 peak   |
| 5 | 10440.000 | 9.49  | 37.72  | 38.21  | 50.54 | 59.54  | 68.20  | -8.66 peak    |
| 6 | 15660.000 | 11.70 | 40.80  | 40.58  | 36.03 | 47.95  | 54.00  | -6.05 Average |
| 7 | 15660.000 | 11.70 | 40.80  | 40.58  | 45.09 | 57.01  | 74.00  | -16.99 peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High

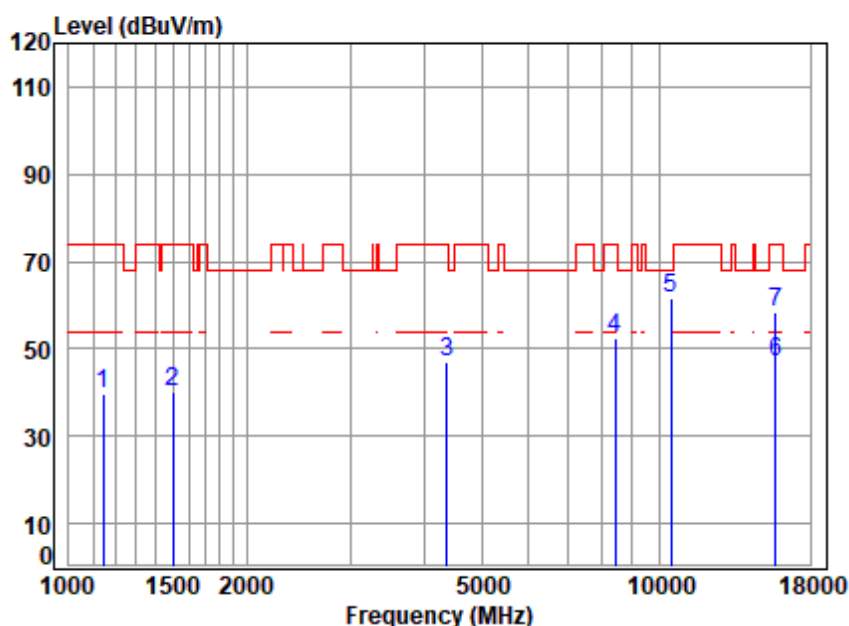


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 TX SE  
Note : 5G WIFI 11A

|   | Freq      | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level  | Limit  | Over Limit | Remark  |
|---|-----------|------------|------------|---------------|------------|--------|--------|------------|---------|
|   | MHz       | dB         | dB/m       | dB            | dBuV       | dBuV/m | dBuV/m | dB         |         |
| 1 | 1138.904  | 2.37       | 24.31      | 40.23         | 54.07      | 40.52  | 74.00  | -33.48     | peak    |
| 2 | 1498.781  | 2.98       | 25.80      | 40.51         | 53.80      | 42.07  | 74.00  | -31.93     | peak    |
| 3 | 4430.628  | 6.59       | 33.48      | 42.50         | 48.74      | 46.31  | 68.20  | -21.89     | peak    |
| 4 | 7807.262  | 8.57       | 36.55      | 41.29         | 47.59      | 51.42  | 68.20  | -16.78     | peak    |
| 5 | 10480.000 | 9.38       | 37.71      | 38.23         | 42.65      | 51.51  | 68.20  | -16.69     | peak    |
| 6 | 15720.000 | 11.46      | 40.83      | 40.57         | 36.08      | 47.80  | 54.00  | -6.20      | Average |
| 7 | 15720.000 | 11.46      | 40.83      | 40.57         | 45.08      | 56.80  | 74.00  | -17.20     | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High

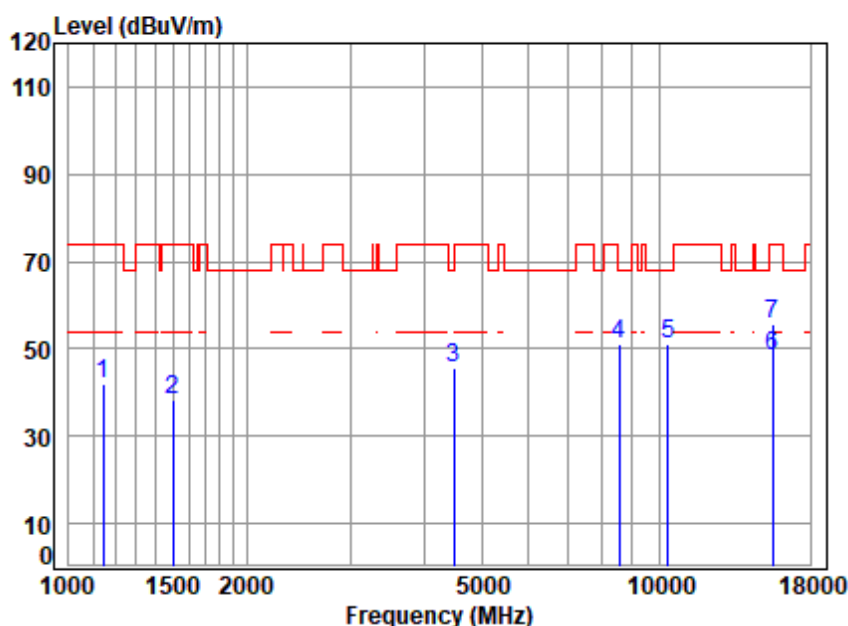


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5240 TX SE  
Note : 5G WIFI 11A

|      |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|------|-----------|-------|--------|--------|-------|--------|--------|---------------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1    | 1145.507  | 2.39  | 24.34  | 40.24  | 53.41 | 39.90  | 74.00  | -34.10 peak   |
| 2    | 1498.781  | 2.98  | 25.80  | 40.51  | 51.91 | 40.18  | 74.00  | -33.82 peak   |
| 3    | 4367.058  | 6.56  | 33.37  | 42.45  | 49.47 | 46.95  | 74.00  | -27.05 peak   |
| 4    | 8416.584  | 8.39  | 36.95  | 40.47  | 47.54 | 52.41  | 74.00  | -21.59 peak   |
| 5    | 10480.000 | 9.38  | 37.71  | 38.23  | 52.95 | 61.81  | 68.20  | -6.39 peak    |
| 6    | 15720.000 | 11.46 | 40.83  | 40.57  | 35.23 | 46.95  | 54.00  | -7.05 Average |
| 7    | 15720.000 | 11.46 | 40.83  | 40.57  | 46.72 | 58.44  | 74.00  | -15.56 peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low

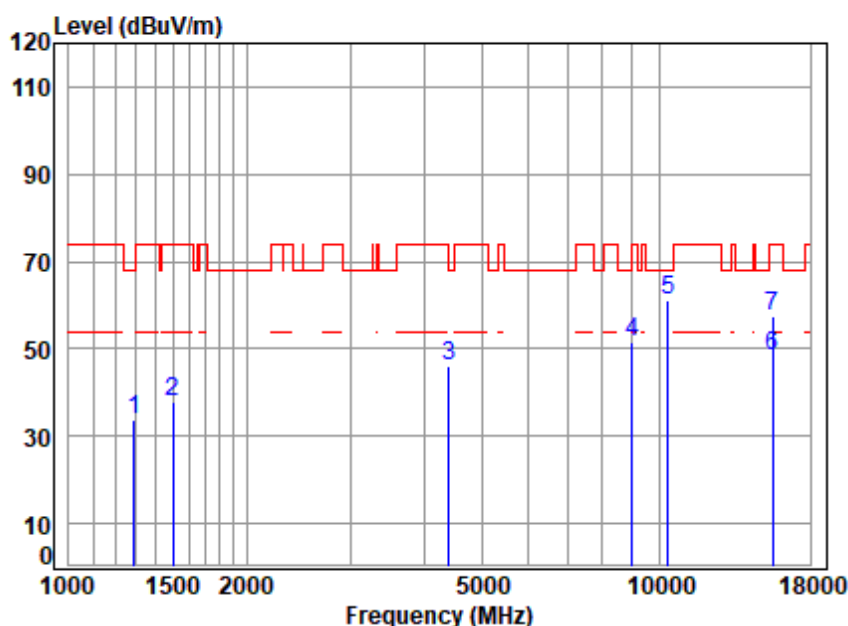


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 TX SE  
Note : 5G WIFI 11N20

|      |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|------|-----------|-------|--------|--------|-------|--------|--------|---------------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1    | 1145.507  | 2.39  | 24.34  | 40.24  | 55.63 | 42.12  | 74.00  | -31.88 peak   |
| 2    | 1498.781  | 2.98  | 25.80  | 40.51  | 49.95 | 38.22  | 74.00  | -35.78 peak   |
| 3    | 4482.150  | 6.43  | 33.57  | 42.54  | 48.16 | 45.62  | 68.20  | -22.58 peak   |
| 4    | 8539.102  | 8.73  | 37.02  | 40.26  | 45.63 | 51.12  | 68.20  | -17.08 peak   |
| 5    | 10360.000 | 9.62  | 37.76  | 38.17  | 41.93 | 51.14  | 68.20  | -17.06 peak   |
| 6    | 15540.000 | 12.08 | 40.72  | 40.58  | 36.32 | 48.54  | 54.00  | -5.46 Average |
| 7    | 15540.000 | 12.08 | 40.72  | 40.58  | 43.43 | 55.65  | 74.00  | -18.35 peak   |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low

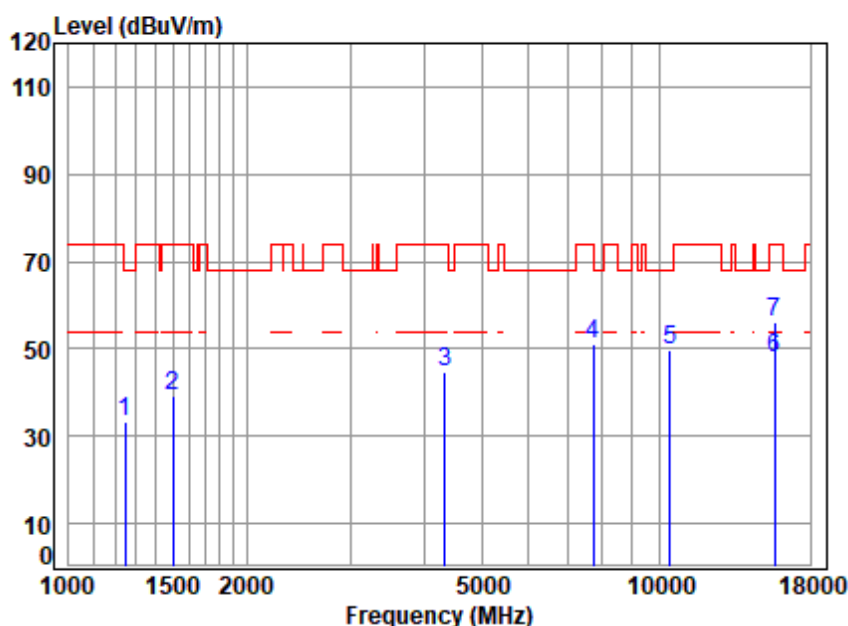


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5180 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1289.627  | 2.87  | 24.98  | 40.35  | 46.35 | 33.85  | 68.20  | -34.35 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 49.58 | 37.85  | 74.00  | -36.15 | peak    |
| 3 | 4405.090  | 6.67  | 33.44  | 42.48  | 48.58 | 46.21  | 68.20  | -21.99 | peak    |
| 4 | 8995.123  | 9.03  | 37.20  | 39.52  | 45.07 | 51.78  | 68.20  | -16.42 | peak    |
| 5 | 10360.000 | 9.62  | 37.76  | 38.17  | 52.14 | 61.35  | 68.20  | -6.85  | peak    |
| 6 | 15540.000 | 12.08 | 40.72  | 40.58  | 36.18 | 48.40  | 54.00  | -5.60  | Average |
| 7 | 15540.000 | 12.08 | 40.72  | 40.58  | 45.08 | 57.30  | 74.00  | -16.70 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle

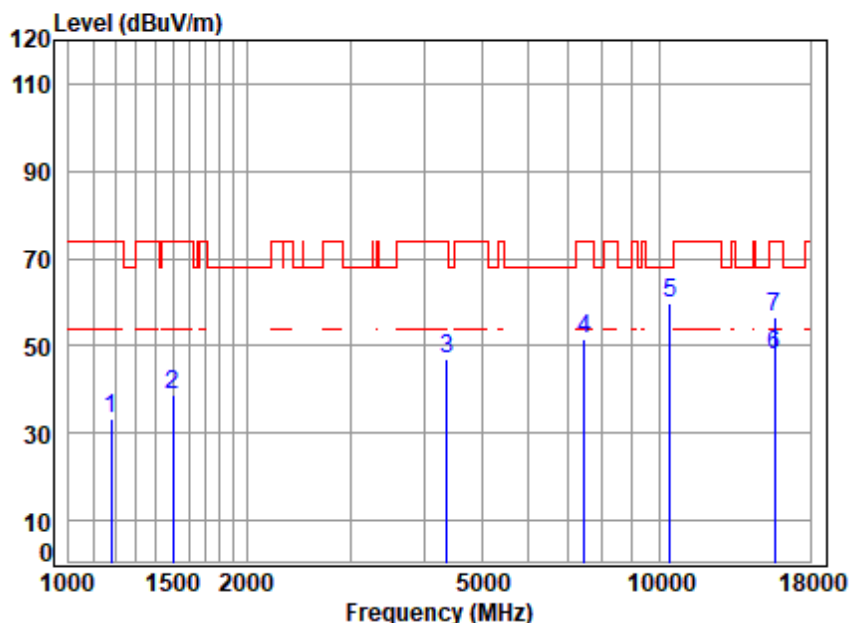


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5220 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|---|-----------|-------|--------|--------|-------|--------|--------|---------------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 | 1245.663  | 2.76  | 24.79  | 40.32  | 46.14 | 33.37  | 68.20  | -34.83 peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.80 | 39.07  | 74.00  | -34.93 peak   |
| 3 | 4341.886  | 6.46  | 33.33  | 42.43  | 47.47 | 44.83  | 74.00  | -29.17 peak   |
| 4 | 7717.518  | 8.61  | 36.48  | 41.33  | 47.13 | 50.89  | 74.00  | -23.11 peak   |
| 5 | 10440.000 | 9.49  | 37.72  | 38.21  | 40.71 | 49.71  | 68.20  | -18.49 peak   |
| 6 | 15660.000 | 11.70 | 40.80  | 40.58  | 36.21 | 48.13  | 54.00  | -5.87 Average |
| 7 | 15660.000 | 11.70 | 40.80  | 40.58  | 44.10 | 56.02  | 74.00  | -17.98 peak   |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle

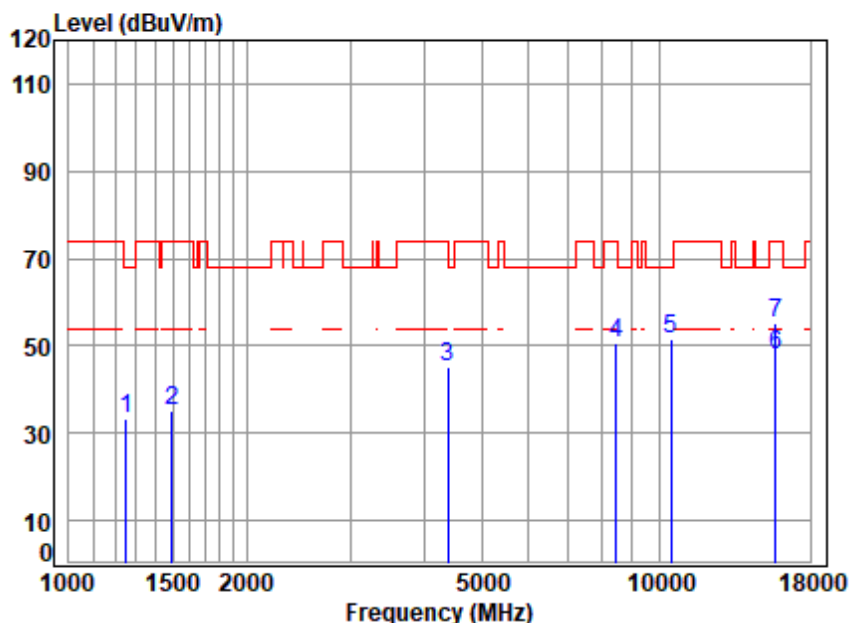


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5220 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1179.100  | 2.54  | 24.49  | 40.26  | 46.53 | 33.30  | 74.00  | -40.70 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.72 | 38.99  | 74.00  | -35.01 | peak    |
| 3 | 4367.058  | 6.56  | 33.37  | 42.45  | 49.41 | 46.89  | 74.00  | -27.11 | peak    |
| 4 | 7476.006  | 8.02  | 36.28  | 41.45  | 48.90 | 51.75  | 74.00  | -22.25 | peak    |
| 5 | 10440.000 | 9.49  | 37.72  | 38.21  | 50.57 | 59.57  | 68.20  | -8.63  | peak    |
| 6 | 15660.000 | 11.70 | 40.80  | 40.58  | 36.17 | 48.09  | 54.00  | -5.91  | Average |
| 7 | 15660.000 | 11.70 | 40.80  | 40.58  | 44.77 | 56.69  | 74.00  | -17.31 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High

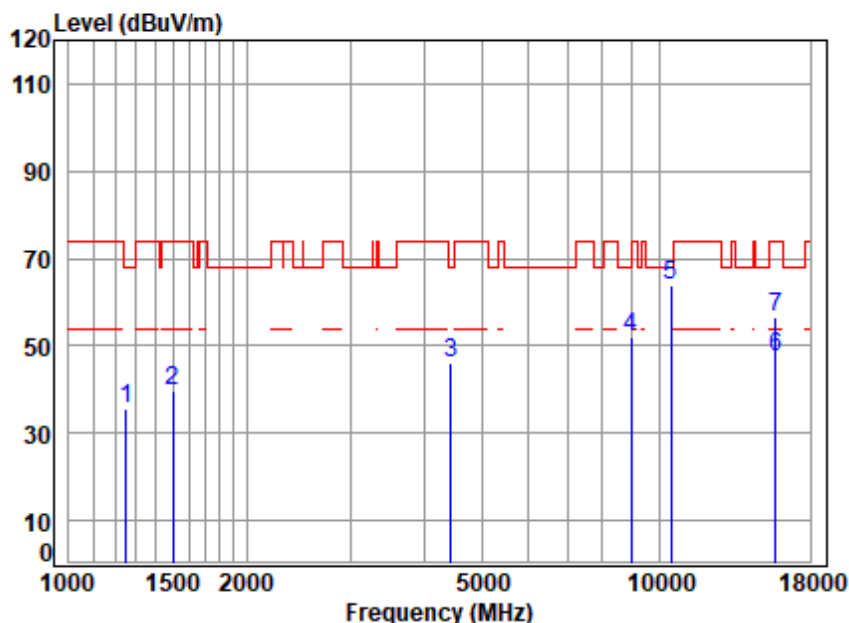


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 46.04 | 33.30  | 68.20  | -34.90 | peak    |
| 2 | 1494.455  | 2.96  | 25.78  | 40.50  | 46.83 | 35.07  | 74.00  | -38.93 | peak    |
| 3 | 4392.376  | 6.66  | 33.42  | 42.47  | 47.46 | 45.07  | 74.00  | -28.93 | peak    |
| 4 | 8465.379  | 8.52  | 36.98  | 40.39  | 45.45 | 50.56  | 74.00  | -23.44 | peak    |
| 5 | 10480.000 | 9.38  | 37.71  | 38.23  | 42.56 | 51.42  | 68.20  | -16.78 | peak    |
| 6 | 15720.000 | 11.46 | 40.83  | 40.57  | 36.18 | 47.90  | 54.00  | -6.10  | Average |
| 7 | 15720.000 | 11.46 | 40.83  | 40.57  | 43.52 | 55.24  | 74.00  | -18.76 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High

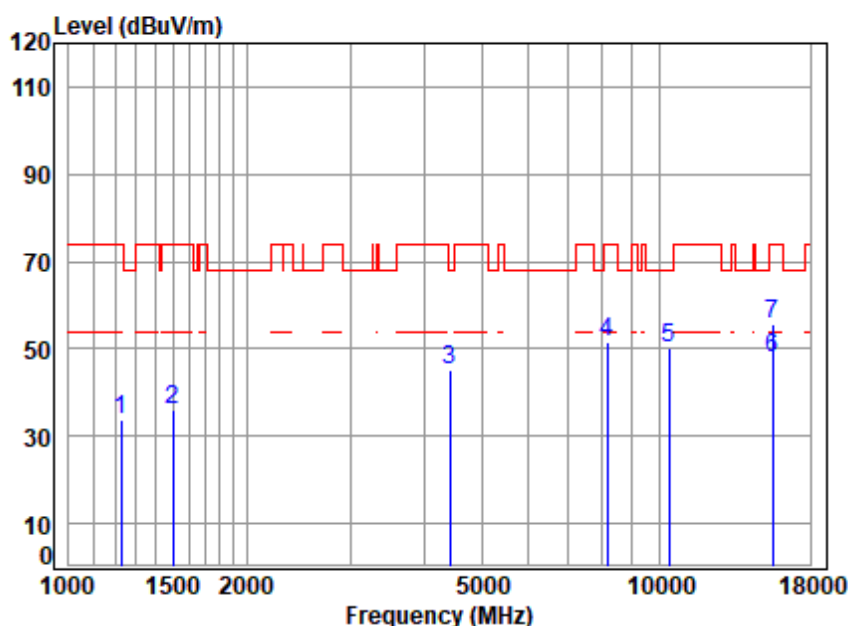


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5240 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 48.23 | 35.49  | 68.20  | -32.71 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 51.53 | 39.80  | 74.00  | -34.20 | peak    |
| 3 | 4443.453  | 6.55  | 33.50  | 42.51  | 48.32 | 45.86  | 68.20  | -22.34 | peak    |
| 4 | 8969.161  | 8.84  | 37.19  | 39.56  | 45.34 | 51.81  | 68.20  | -16.39 | peak    |
| 5 | 10480.000 | 9.38  | 37.71  | 38.23  | 55.01 | 63.87  | 68.20  | -4.33  | peak    |
| 6 | 15720.000 | 11.46 | 40.83  | 40.57  | 35.95 | 47.67  | 54.00  | -6.33  | Average |
| 7 | 15720.000 | 11.46 | 40.83  | 40.57  | 44.85 | 56.57  | 74.00  | -17.43 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low

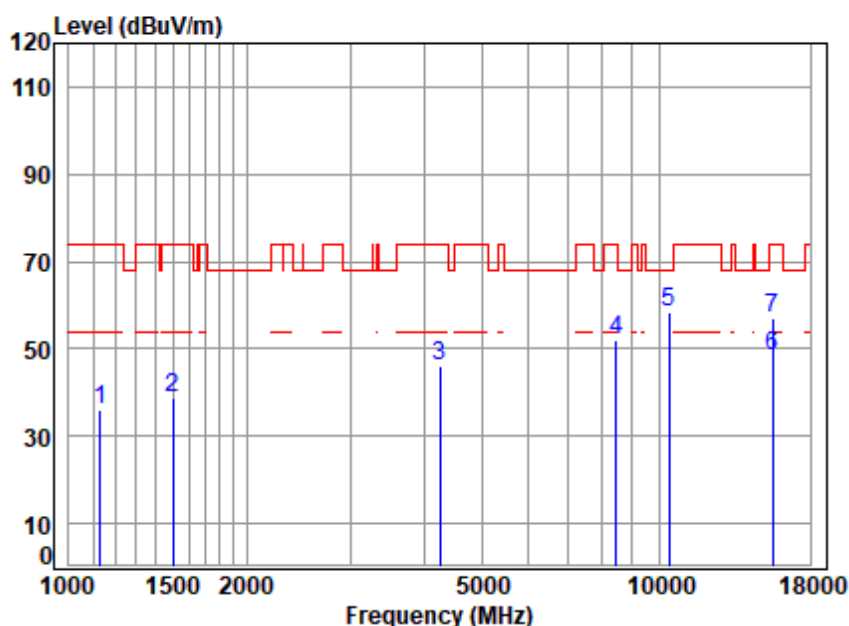


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5190 TX SE  
Note : 5G WIFI 11N40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1227.791  | 2.71  | 24.71  | 40.31  | 46.69 | 33.80  | 74.00  | -40.20 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 47.88 | 36.15  | 74.00  | -37.85 | peak    |
| 3 | 4417.841  | 6.63  | 33.46  | 42.49  | 47.47 | 45.07  | 68.20  | -23.13 | peak    |
| 4 | 8176.795  | 8.37  | 36.81  | 40.89  | 47.17 | 51.46  | 74.00  | -22.54 | peak    |
| 5 | 10380.000 | 9.61  | 37.75  | 38.18  | 40.84 | 50.02  | 68.20  | -18.18 | peak    |
| 6 | 15570.000 | 12.06 | 40.74  | 40.58  | 35.87 | 48.09  | 54.00  | -5.91  | Average |
| 7 | 15570.000 | 12.06 | 40.74  | 40.58  | 43.50 | 55.72  | 74.00  | -18.28 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low

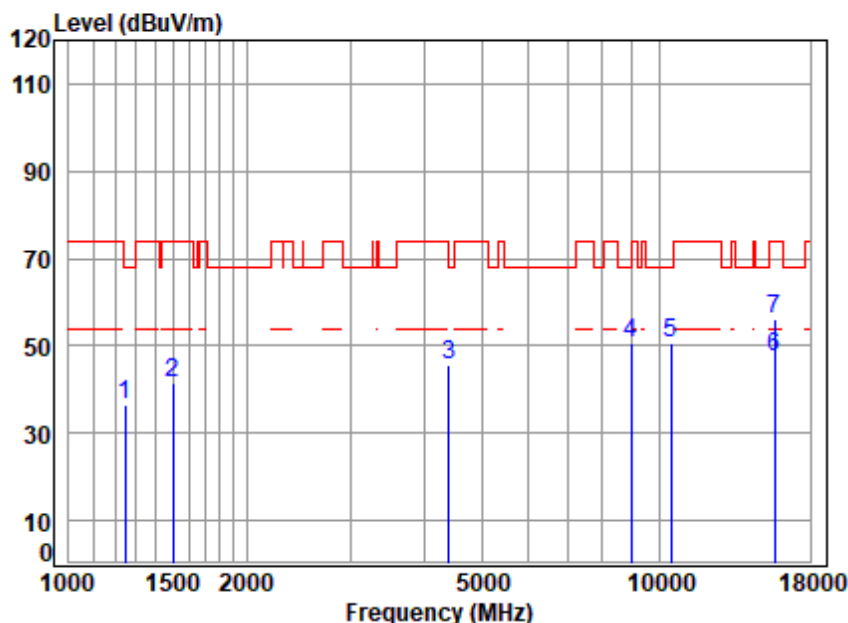


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5190 TX SE  
Note : 5G WIFI 11N40

|      |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|------|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1    | 1129.072  | 2.32  | 24.26  | 40.22  | 49.78 | 36.14  | 74.00  | -37.86 | peak    |
| 2    | 1498.781  | 2.98  | 25.80  | 40.51  | 50.61 | 38.88  | 74.00  | -35.12 | peak    |
| 3    | 4254.921  | 6.22  | 33.17  | 42.36  | 49.17 | 46.20  | 74.00  | -27.80 | peak    |
| 4    | 8465.379  | 8.52  | 36.98  | 40.39  | 46.73 | 51.84  | 74.00  | -22.16 | peak    |
| 5    | 10380.000 | 9.61  | 37.75  | 38.18  | 49.41 | 58.59  | 68.20  | -9.61  | peak    |
| 6    | 15570.000 | 12.06 | 40.74  | 40.58  | 36.03 | 48.25  | 54.00  | -5.75  | Average |
| 7    | 15570.000 | 12.06 | 40.74  | 40.58  | 45.03 | 57.25  | 74.00  | -16.75 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High

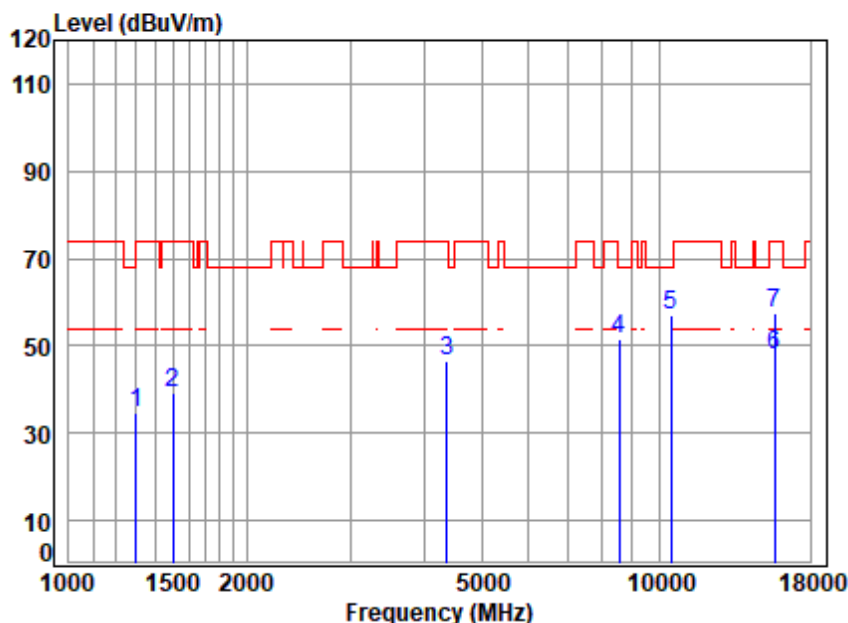


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5230 TX SE  
Note : 5G WIFI 11N40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1245.663  | 2.76  | 24.79  | 40.32  | 49.27 | 36.50  | 68.20  | -31.70 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 53.46 | 41.73  | 74.00  | -32.27 | peak    |
| 3 | 4405.090  | 6.67  | 33.44  | 42.48  | 47.90 | 45.53  | 68.20  | -22.67 | peak    |
| 4 | 8943.274  | 8.65  | 37.18  | 39.60  | 44.29 | 50.52  | 68.20  | -17.68 | peak    |
| 5 | 10460.000 | 9.43  | 37.72  | 38.22  | 41.85 | 50.78  | 68.20  | -17.42 | peak    |
| 6 | 15690.000 | 11.52 | 40.82  | 40.58  | 35.79 | 47.55  | 54.00  | -6.45  | Average |
| 7 | 15690.000 | 11.52 | 40.82  | 40.58  | 44.59 | 56.35  | 74.00  | -17.65 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High

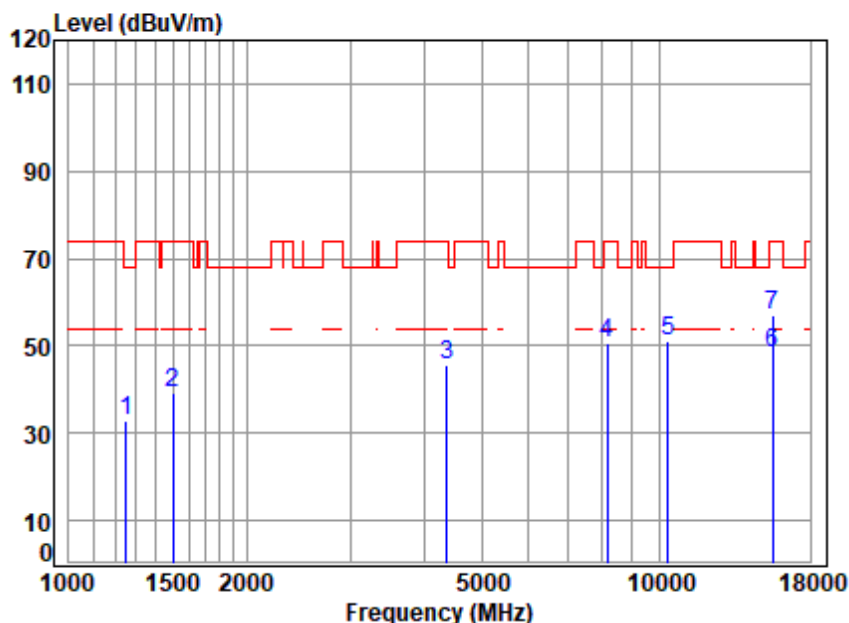


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5230 TX SE  
Note : 5G WIFI 11N40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1300.858  | 2.90  | 25.03  | 40.36  | 47.30 | 34.87  | 74.00  | -39.13 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 51.17 | 39.44  | 74.00  | -34.56 | peak    |
| 3 | 4367.058  | 6.56  | 33.37  | 42.45  | 49.17 | 46.65  | 74.00  | -27.35 | peak    |
| 4 | 8539.102  | 8.73  | 37.02  | 40.26  | 46.24 | 51.73  | 68.20  | -16.47 | peak    |
| 5 | 10460.000 | 9.43  | 37.72  | 38.22  | 47.99 | 56.92  | 68.20  | -11.28 | peak    |
| 6 | 15690.000 | 11.52 | 40.82  | 40.58  | 36.31 | 48.07  | 54.00  | -5.93  | Average |
| 7 | 15690.000 | 11.52 | 40.82  | 40.58  | 45.64 | 57.40  | 74.00  | -16.60 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

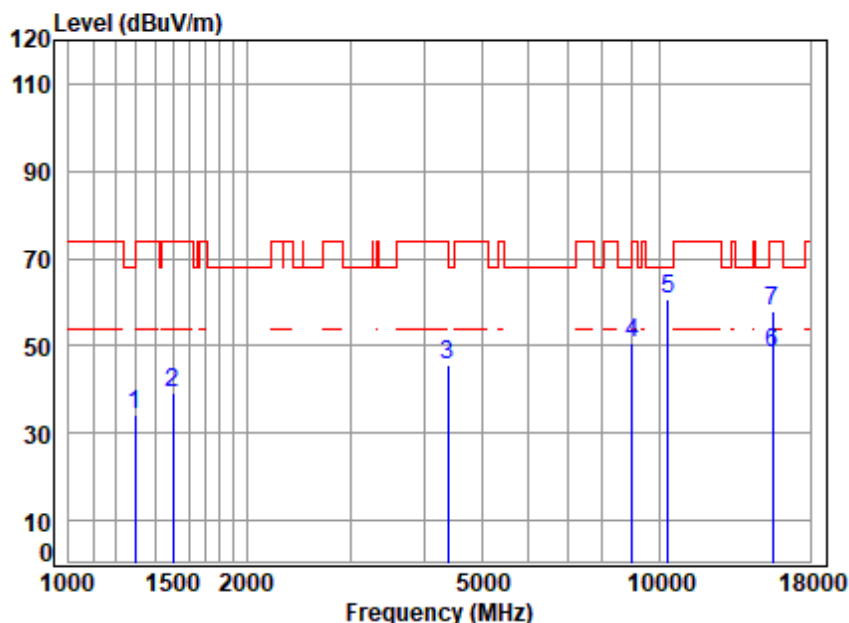


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 45.82 | 33.08  | 68.20  | -35.12 | peak    |
| 2 | 1503.119  | 2.99  | 25.81  | 40.51  | 51.04 | 39.33  | 74.00  | -34.67 | peak    |
| 3 | 4367.058  | 6.56  | 33.37  | 42.45  | 47.93 | 45.41  | 74.00  | -28.59 | peak    |
| 4 | 8153.195  | 8.39  | 36.79  | 40.93  | 46.44 | 50.69  | 74.00  | -23.31 | peak    |
| 5 | 10360.000 | 9.62  | 37.76  | 38.17  | 42.12 | 51.33  | 68.20  | -16.87 | peak    |
| 6 | 15540.000 | 12.08 | 40.72  | 40.58  | 36.18 | 48.40  | 54.00  | -5.60  | Average |
| 7 | 15540.000 | 12.08 | 40.72  | 40.58  | 44.95 | 57.17  | 74.00  | -16.83 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

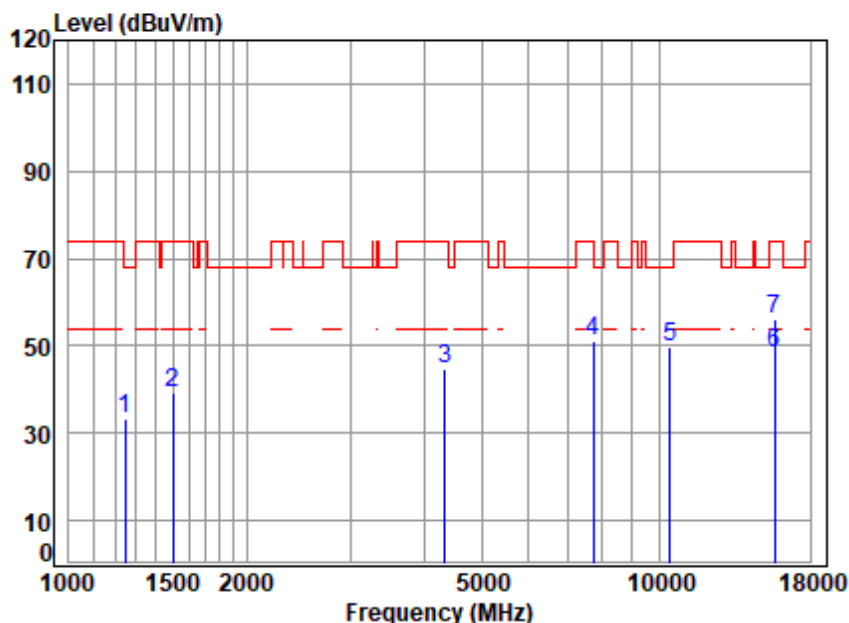


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5180 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1297.103  | 2.89  | 25.01  | 40.36  | 46.81 | 34.35  | 68.20  | -33.85 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 51.06 | 39.33  | 74.00  | -34.67 | peak    |
| 3 | 4379.699  | 6.61  | 33.39  | 42.46  | 48.02 | 45.56  | 74.00  | -28.44 | peak    |
| 4 | 8995.123  | 9.03  | 37.20  | 39.52  | 44.01 | 50.72  | 68.20  | -17.48 | peak    |
| 5 | 10360.000 | 9.62  | 37.76  | 38.17  | 51.64 | 60.85  | 68.20  | -7.35  | peak    |
| 6 | 15540.000 | 12.08 | 40.72  | 40.58  | 36.29 | 48.51  | 54.00  | -5.49  | Average |
| 7 | 15540.000 | 12.08 | 40.72  | 40.58  | 45.78 | 58.00  | 74.00  | -16.00 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle

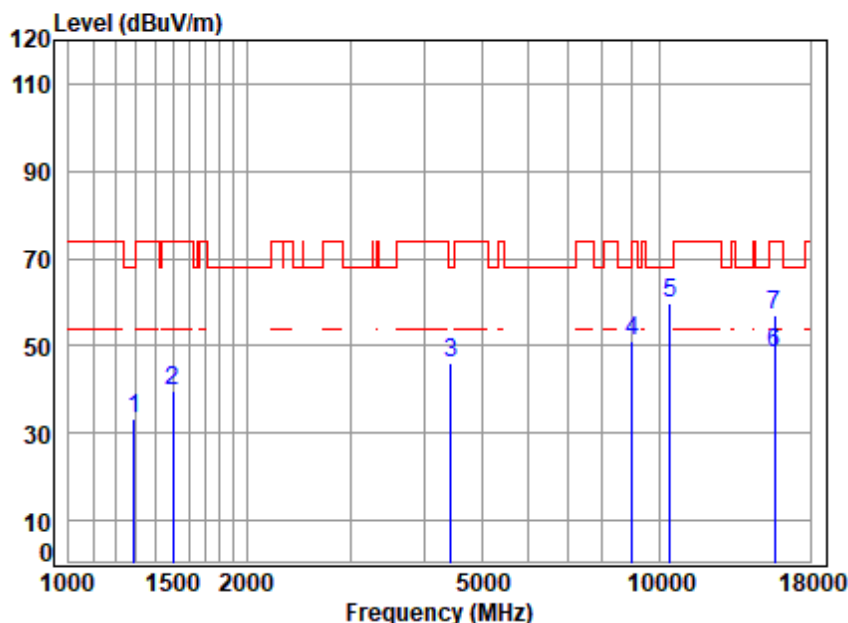


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5220 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|---|-----------|-------|--------|--------|-------|--------|--------|---------------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 | 1245.663  | 2.76  | 24.79  | 40.32  | 46.14 | 33.37  | 68.20  | -34.83 peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.80 | 39.07  | 74.00  | -34.93 peak   |
| 3 | 4341.886  | 6.46  | 33.33  | 42.43  | 47.47 | 44.83  | 74.00  | -29.17 peak   |
| 4 | 7717.518  | 8.61  | 36.48  | 41.33  | 47.13 | 50.89  | 74.00  | -23.11 peak   |
| 5 | 10440.000 | 9.49  | 37.72  | 38.21  | 40.71 | 49.71  | 68.20  | -18.49 peak   |
| 6 | 15660.000 | 11.70 | 40.80  | 40.58  | 36.25 | 48.17  | 54.00  | -5.83 Average |
| 7 | 15660.000 | 11.70 | 40.80  | 40.58  | 44.10 | 56.02  | 74.00  | -17.98 peak   |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle

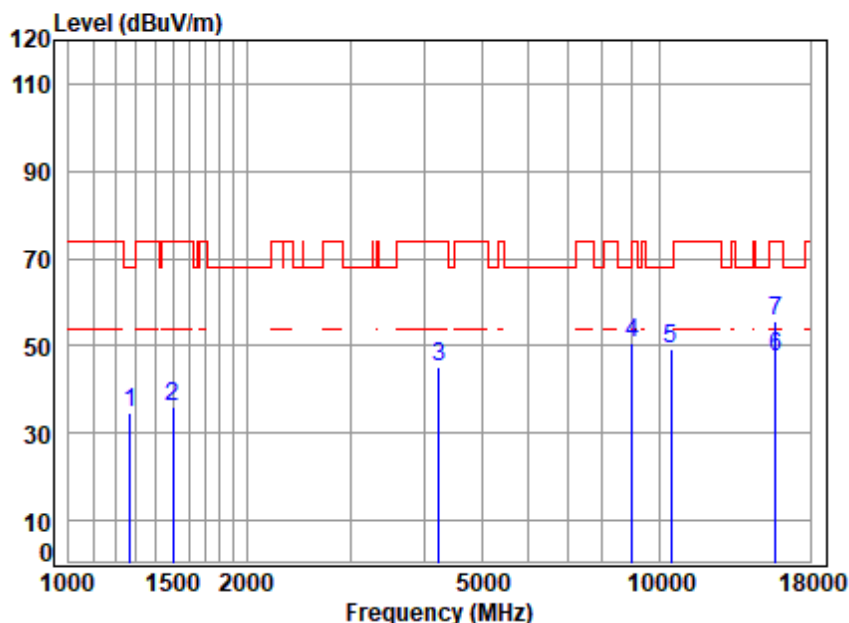


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5220 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1289.627  | 2.87  | 24.98  | 40.35  | 45.88 | 33.38  | 68.20  | -34.82 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 51.40 | 39.67  | 74.00  | -34.33 | peak    |
| 3 | 4430.628  | 6.59  | 33.48  | 42.50  | 48.73 | 46.30  | 68.20  | -21.90 | peak    |
| 4 | 8995.123  | 9.03  | 37.20  | 39.52  | 44.30 | 51.01  | 68.20  | -17.19 | peak    |
| 5 | 10440.000 | 9.49  | 37.72  | 38.21  | 50.55 | 59.55  | 68.20  | -8.65  | peak    |
| 6 | 15660.000 | 11.70 | 40.80  | 40.58  | 36.36 | 48.28  | 54.00  | -5.72  | Average |
| 7 | 15660.000 | 11.70 | 40.80  | 40.58  | 45.17 | 57.09  | 74.00  | -16.91 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High

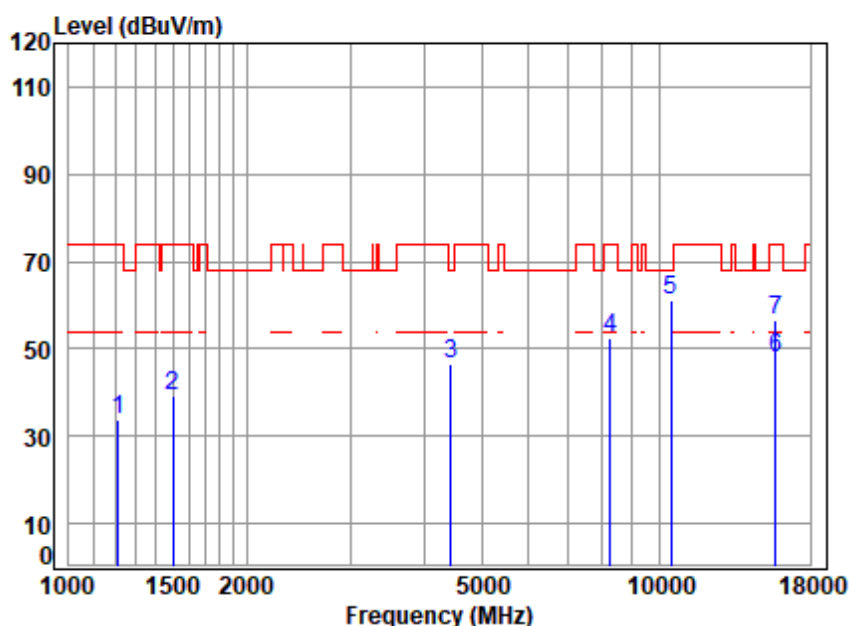


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 TX SE  
Note : 5G WIFI 11AC20

|      |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|------|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1    | 1271.123  | 2.82  | 24.90  | 40.34  | 47.27 | 34.65  | 68.20  | -33.55 | peak    |
| 2    | 1503.119  | 2.99  | 25.81  | 40.51  | 47.61 | 35.90  | 74.00  | -38.10 | peak    |
| 3    | 4230.396  | 6.18  | 33.13  | 42.34  | 48.18 | 45.15  | 74.00  | -28.85 | peak    |
| 4    | 8995.123  | 9.03  | 37.20  | 39.52  | 43.78 | 50.49  | 68.20  | -17.71 | peak    |
| 5    | 10480.000 | 9.38  | 37.71  | 38.23  | 40.23 | 49.09  | 68.20  | -19.11 | peak    |
| 6    | 15720.000 | 11.46 | 40.83  | 40.57  | 35.85 | 47.57  | 54.00  | -6.43  | Average |
| 7    | 15720.000 | 11.46 | 40.83  | 40.57  | 43.85 | 55.57  | 74.00  | -18.43 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High

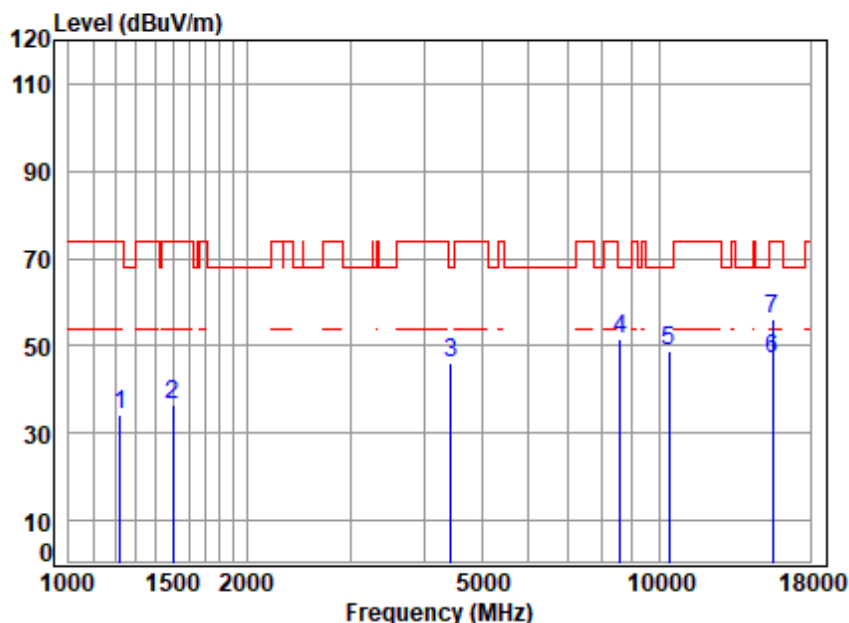


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5240 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1213.677  | 2.67  | 24.65  | 40.29  | 46.94 | 33.97  | 74.00  | -40.03 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.75 | 39.02  | 74.00  | -34.98 | peak    |
| 3 | 4430.628  | 6.59  | 33.48  | 42.50  | 49.12 | 46.69  | 68.20  | -21.51 | peak    |
| 4 | 8271.880  | 8.23  | 36.87  | 40.72  | 47.88 | 52.26  | 74.00  | -21.74 | peak    |
| 5 | 10480.000 | 9.38  | 37.71  | 38.23  | 52.07 | 60.93  | 68.20  | -7.27  | peak    |
| 6 | 15720.000 | 11.46 | 40.83  | 40.57  | 36.28 | 48.00  | 54.00  | -6.00  | Average |
| 7 | 15720.000 | 11.46 | 40.83  | 40.57  | 44.86 | 56.58  | 74.00  | -17.42 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

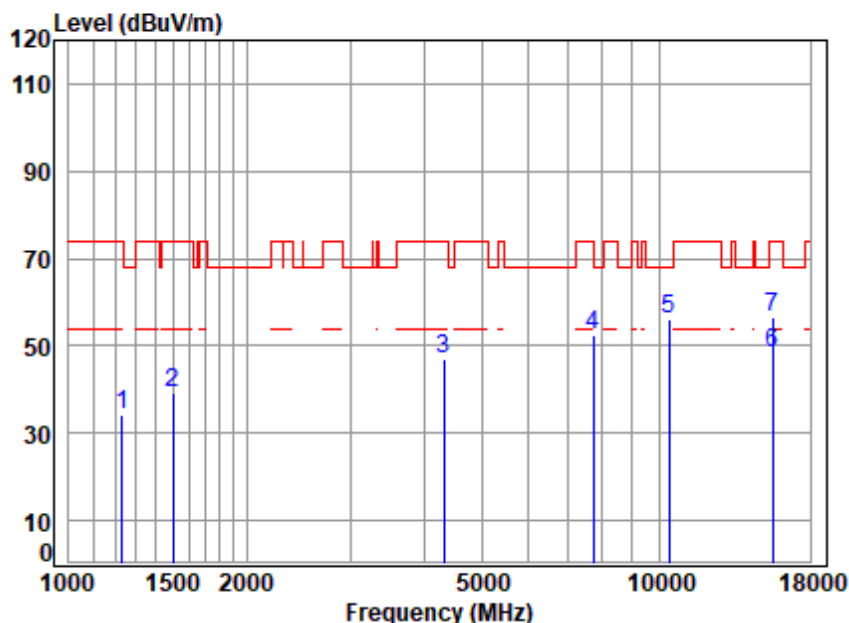


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5190 TX SE  
Note : 5G WIFI 11AC40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1224.247  | 2.70  | 24.70  | 40.30  | 47.01 | 34.11  | 74.00  | -39.89 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 48.12 | 36.39  | 74.00  | -37.61 | peak    |
| 3 | 4430.628  | 6.59  | 33.48  | 42.50  | 48.59 | 46.16  | 68.20  | -22.04 | peak    |
| 4 | 8588.607  | 8.88  | 37.04  | 40.18  | 45.97 | 51.71  | 68.20  | -16.49 | peak    |
| 5 | 10380.000 | 9.61  | 37.75  | 38.18  | 39.73 | 48.91  | 68.20  | -19.29 | peak    |
| 6 | 15570.000 | 12.06 | 40.74  | 40.58  | 34.92 | 47.14  | 54.00  | -6.86  | Average |
| 7 | 15570.000 | 12.06 | 40.74  | 40.58  | 43.92 | 56.14  | 74.00  | -17.86 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

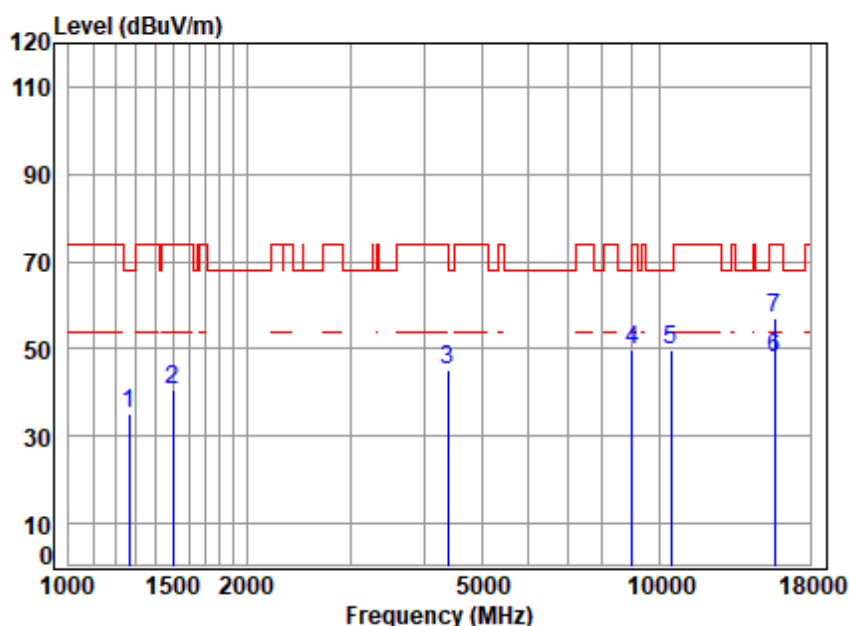


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5190 TX SE  
Note : 5G WIFI 11AC40

|      |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|------|-----------|-------|--------|--------|-------|--------|--------|---------------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1    | 1231.345  | 2.72  | 24.73  | 40.31  | 46.94 | 34.08  | 74.00  | -39.92 peak   |
| 2    | 1498.781  | 2.98  | 25.80  | 40.51  | 50.87 | 39.14  | 74.00  | -34.86 peak   |
| 3    | 4316.859  | 6.37  | 33.28  | 42.41  | 49.98 | 47.22  | 74.00  | -26.78 peak   |
| 4    | 7739.857  | 8.60  | 36.50  | 41.32  | 48.67 | 52.45  | 74.00  | -21.55 peak   |
| 5    | 10380.000 | 9.61  | 37.75  | 38.18  | 46.97 | 56.15  | 68.20  | -12.05 peak   |
| 6    | 15570.000 | 12.06 | 40.74  | 40.58  | 36.32 | 48.54  | 54.00  | -5.46 Average |
| 7    | 15570.000 | 12.06 | 40.74  | 40.58  | 44.50 | 56.72  | 74.00  | -17.28 peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High

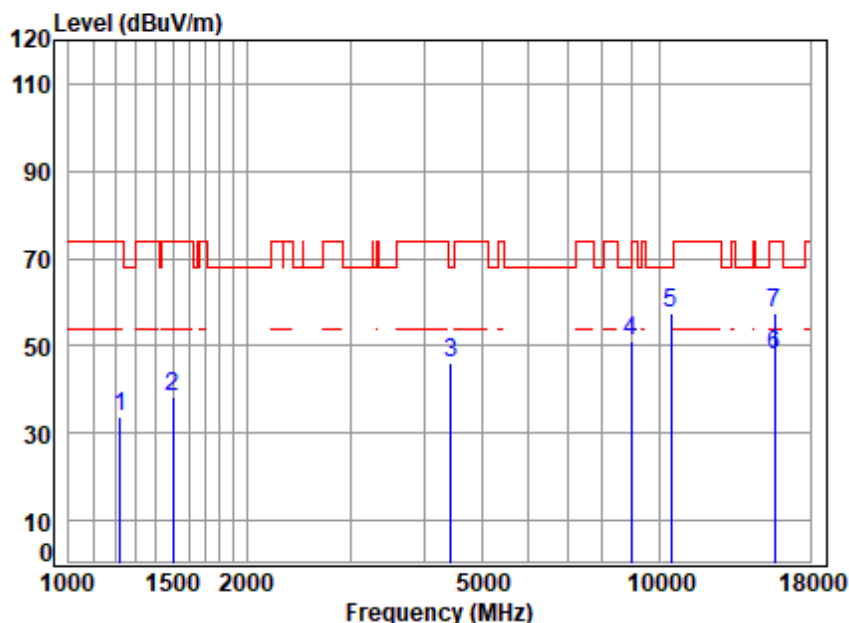


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5230 TX SE  
Note : 5G WIFI 11AC40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1267.454  | 2.81  | 24.89  | 40.34  | 47.85 | 35.21  | 68.20  | -32.99 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 52.18 | 40.45  | 74.00  | -33.55 | peak    |
| 3 | 4379.699  | 6.61  | 33.39  | 42.46  | 47.81 | 45.35  | 74.00  | -28.65 | peak    |
| 4 | 8995.123  | 9.03  | 37.20  | 39.52  | 43.23 | 49.94  | 68.20  | -18.26 | peak    |
| 5 | 10460.000 | 9.43  | 37.72  | 38.22  | 40.60 | 49.53  | 68.20  | -18.67 | peak    |
| 6 | 15690.000 | 11.52 | 40.82  | 40.58  | 36.05 | 47.81  | 54.00  | -6.19  | Average |
| 7 | 15690.000 | 11.52 | 40.82  | 40.58  | 45.21 | 56.97  | 74.00  | -17.03 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High

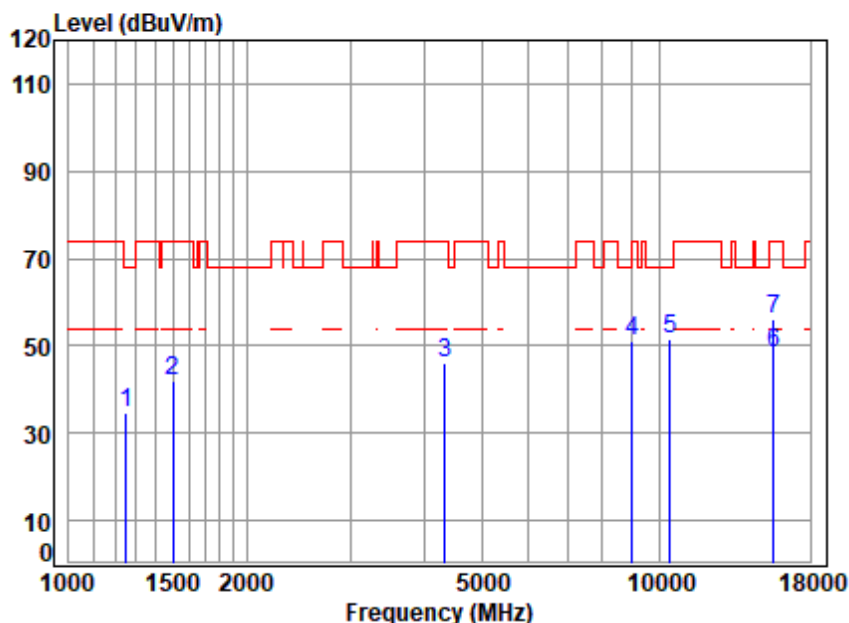


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5230 TX SE  
Note : 5G WIFI 11AC40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1224.247  | 2.70  | 24.70  | 40.30  | 46.81 | 33.91  | 74.00  | -40.09 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.23 | 38.50  | 74.00  | -35.50 | peak    |
| 3 | 4430.628  | 6.59  | 33.48  | 42.50  | 48.45 | 46.02  | 68.20  | -22.18 | peak    |
| 4 | 8943.274  | 8.65  | 37.18  | 39.60  | 44.99 | 51.22  | 68.20  | -16.98 | peak    |
| 5 | 10460.000 | 9.43  | 37.72  | 38.22  | 48.36 | 57.29  | 68.20  | -10.91 | peak    |
| 6 | 15690.000 | 11.52 | 40.82  | 40.58  | 36.15 | 47.91  | 54.00  | -6.09  | Average |
| 7 | 15690.000 | 11.52 | 40.82  | 40.58  | 45.86 | 57.62  | 74.00  | -16.38 | peak    |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle

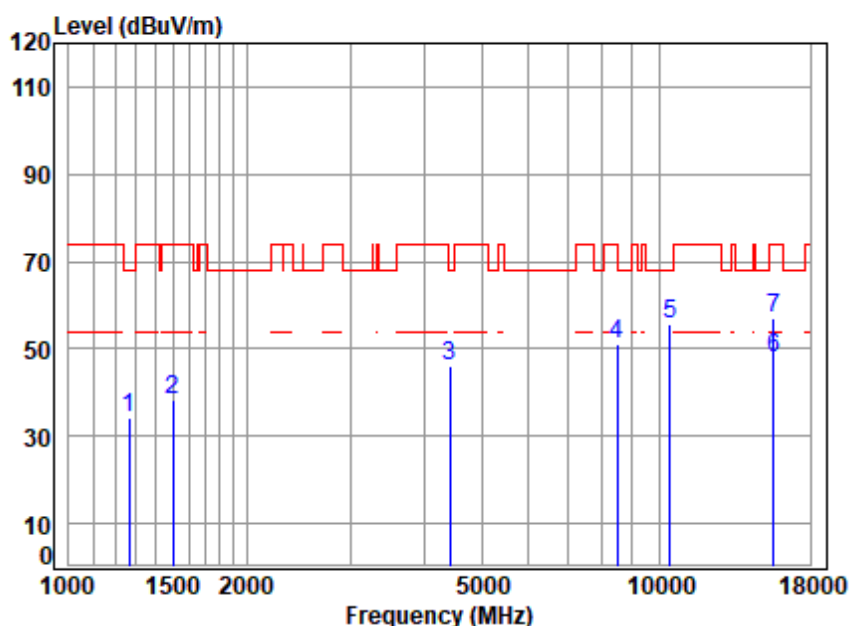


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5210 TX SE  
Note : 5G WIFI 11AC80

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 47.42 | 34.68  | 68.20  | -33.52 | peak    |
| 2 | 1503.119  | 2.99  | 25.81  | 40.51  | 53.59 | 41.88  | 74.00  | -32.12 | peak    |
| 3 | 4341.886  | 6.46  | 33.33  | 42.43  | 48.87 | 46.23  | 74.00  | -27.77 | peak    |
| 4 | 8995.123  | 9.03  | 37.20  | 39.52  | 44.52 | 51.23  | 68.20  | -16.97 | peak    |
| 5 | 10420.000 | 9.54  | 37.73  | 38.20  | 42.28 | 51.35  | 68.20  | -16.85 | peak    |
| 6 | 15630.000 | 11.87 | 40.78  | 40.58  | 36.22 | 48.29  | 54.00  | -5.71  | Average |
| 7 | 15630.000 | 11.87 | 40.78  | 40.58  | 43.89 | 55.96  | 74.00  | -18.04 | peak    |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle

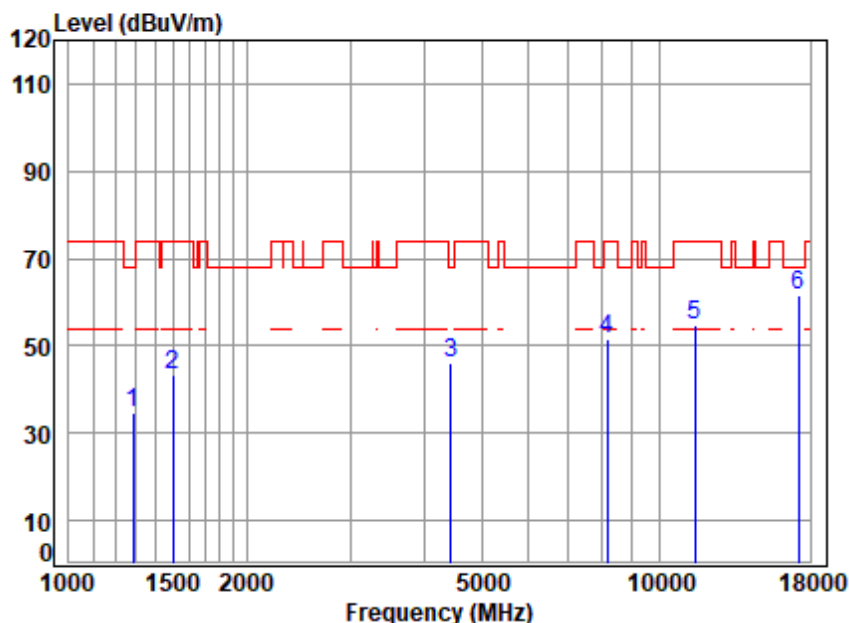


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5210 TX SE  
Note : 5G WIFI 11AC80

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1267.454  | 2.81  | 24.89  | 40.34  | 46.80 | 34.16  | 68.20  | -34.04 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.28 | 38.55  | 74.00  | -35.45 | peak    |
| 3 | 4417.841  | 6.63  | 33.46  | 42.49  | 48.60 | 46.20  | 68.20  | -22.00 | peak    |
| 4 | 8489.882  | 8.59  | 36.99  | 40.35  | 45.89 | 51.12  | 74.00  | -22.88 | peak    |
| 5 | 10420.000 | 9.54  | 37.73  | 38.20  | 46.57 | 55.64  | 68.20  | -12.56 | peak    |
| 6 | 15630.000 | 11.87 | 40.78  | 40.58  | 35.99 | 48.06  | 54.00  | -5.94  | Average |
| 7 | 15630.000 | 11.87 | 40.78  | 40.58  | 45.13 | 57.20  | 74.00  | -16.80 | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low

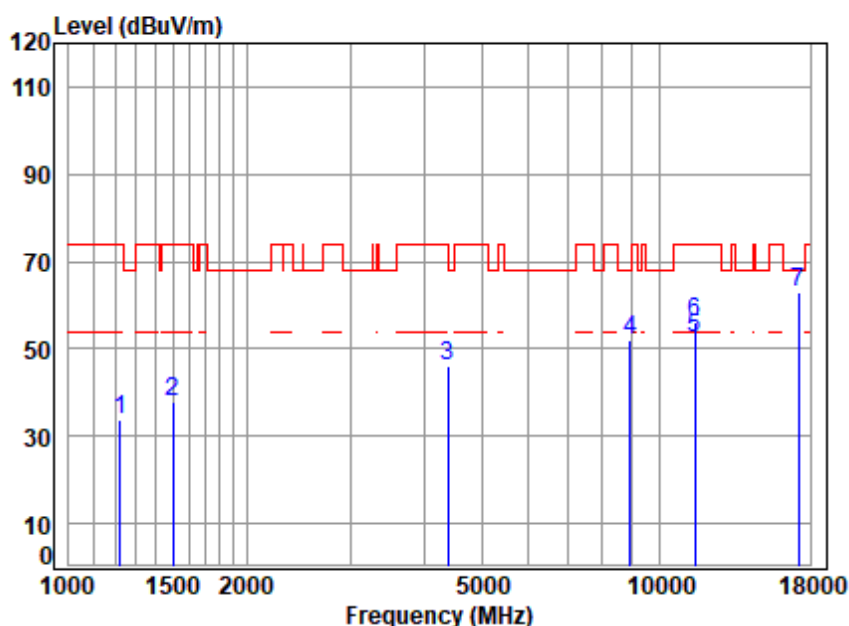


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5745 TX SE  
Note : 5G WIFI 11A

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1285.904  | 2.86  | 24.96  | 40.35  | 47.04 | 34.51  | 68.20  | -33.69 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 54.98 | 43.25  | 74.00  | -30.75 | peak   |
| 3 | 4430.628  | 6.59  | 33.48  | 42.50  | 48.72 | 46.29  | 68.20  | -21.91 | peak   |
| 4 | 8176.795  | 8.37  | 36.81  | 40.89  | 47.23 | 51.52  | 74.00  | -22.48 | peak   |
| 5 | 11490.000 | 10.99 | 37.90  | 38.69  | 44.59 | 54.79  | 74.00  | -19.21 | peak   |
| 6 | 17235.000 | 14.32 | 42.74  | 40.52  | 45.13 | 61.67  | 68.20  | -6.53  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low

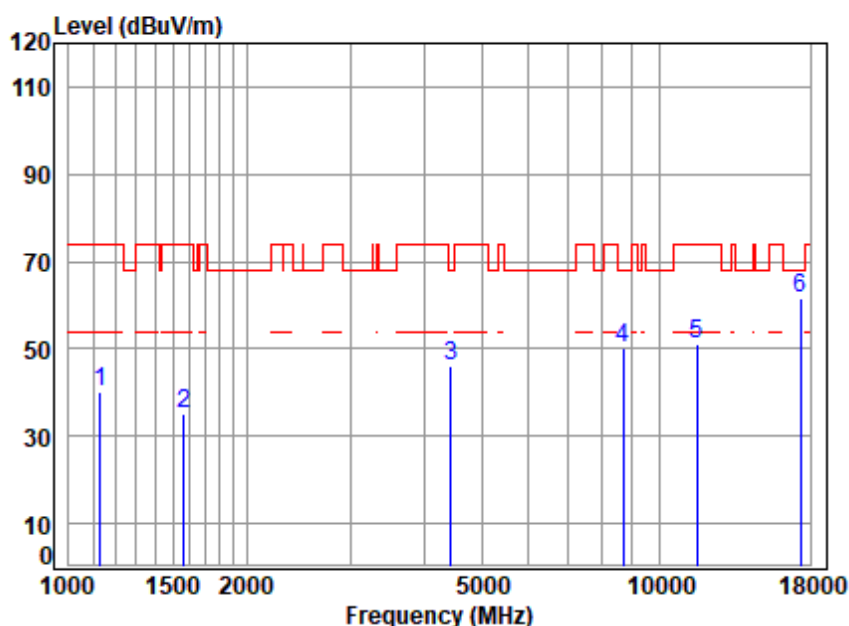


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5745 TX SE  
Note : 5G WIFI 11A

|   | Freq      | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level  | Limit  | Over Limit | Remark  |
|---|-----------|------------|------------|---------------|------------|--------|--------|------------|---------|
|   | MHz       | dB         | dB/m       | dB            | dBuV       | dBuV/m | dBuV/m | dB         |         |
| 1 | 1220.714  | 2.69       | 24.68      | 40.30         | 46.67      | 33.74  | 74.00  | -40.26     | peak    |
| 2 | 1498.781  | 2.98       | 25.80      | 40.51         | 49.78      | 38.05  | 74.00  | -35.95     | peak    |
| 3 | 4379.699  | 6.61       | 33.39      | 42.46         | 48.57      | 46.11  | 74.00  | -27.89     | peak    |
| 4 | 8917.462  | 8.45       | 37.17      | 39.64         | 45.92      | 51.90  | 68.20  | -16.30     | peak    |
| 5 | 11490.000 | 10.99      | 37.90      | 38.69         | 42.42      | 52.62  | 54.00  | -1.38      | Average |
| 6 | 11490.000 | 10.99      | 37.90      | 38.69         | 45.81      | 56.01  | 74.00  | -17.99     | peak    |
| 7 | 17235.000 | 14.32      | 42.74      | 40.52         | 46.61      | 63.15  | 68.20  | -5.05      | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:middle

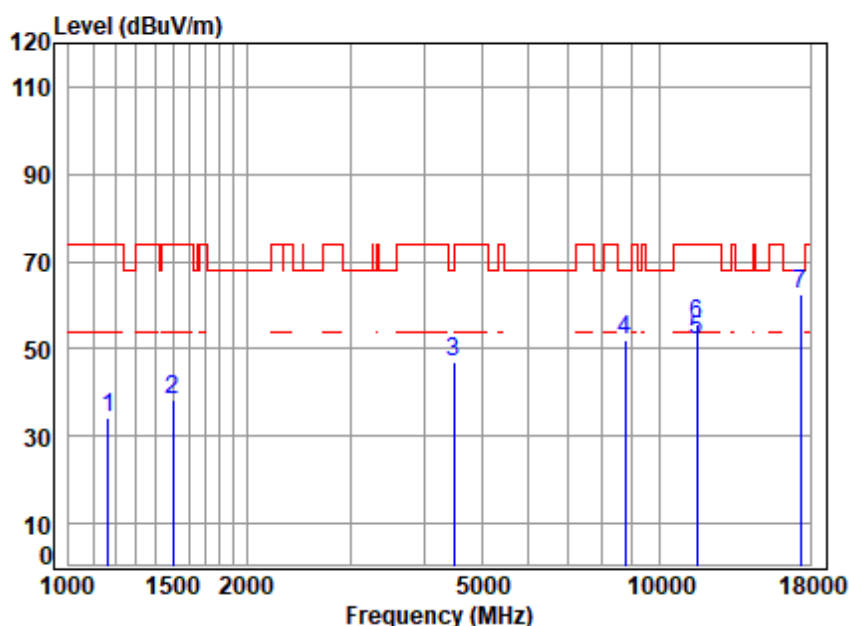


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5785 TX SE  
Note : 5G WIFI 11A

|   | Freq      | Cable Loss | Ant Factor | Preamp Factor | Read Level | Level  | Limit  | Over Limit | Remark |
|---|-----------|------------|------------|---------------|------------|--------|--------|------------|--------|
|   | MHz       | dB         | dB/m       | dB            | dBuV       | dBuV/m | dBuV/m | dB         |        |
| 1 | 1129.072  | 2.32       | 24.26      | 40.22         | 53.71      | 40.07  | 74.00  | -33.93     | peak   |
| 2 | 1569.721  | 2.96       | 26.12      | 40.55         | 46.51      | 35.04  | 74.00  | -38.96     | peak   |
| 3 | 4443.453  | 6.55       | 33.50      | 42.51         | 48.49      | 46.03  | 68.20  | -22.17     | peak   |
| 4 | 8688.480  | 8.62       | 37.08      | 40.02         | 44.67      | 50.35  | 68.20  | -17.85     | peak   |
| 5 | 11570.000 | 10.66      | 37.87      | 38.72         | 41.23      | 51.04  | 74.00  | -22.96     | peak   |
| 6 | 17355.000 | 13.87      | 42.81      | 40.52         | 45.22      | 61.38  | 68.20  | -6.82      | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:middle

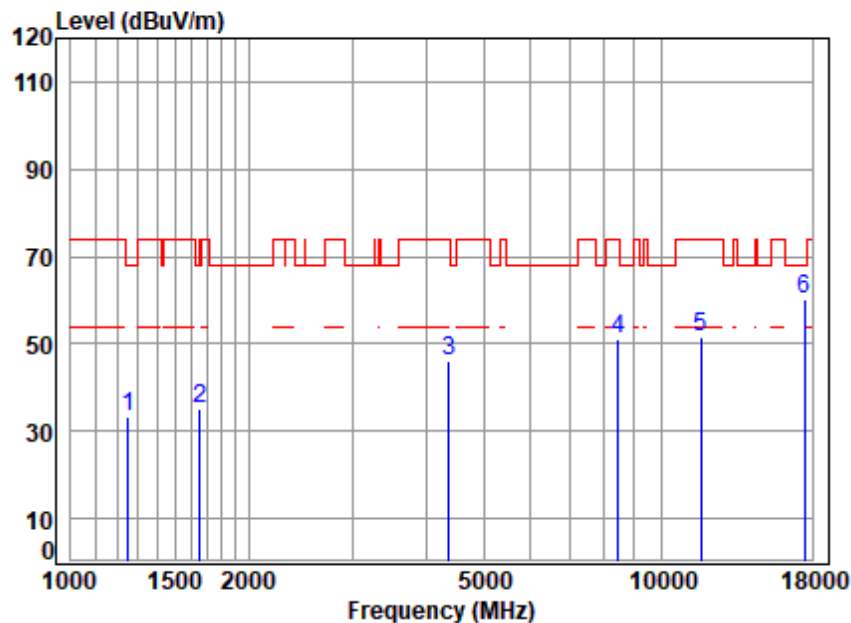


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5785 TX SE  
Note : 5G WIFI 11A

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1165.546  | 2.48  | 24.43  | 40.25  | 47.67 | 34.33  | 74.00  | -39.67 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 50.14 | 38.41  | 74.00  | -35.59 | peak    |
| 3 | 4495.125  | 6.39  | 33.59  | 42.55  | 49.45 | 46.88  | 68.20  | -21.32 | peak    |
| 4 | 8764.146  | 8.50  | 37.11  | 39.89  | 46.51 | 52.23  | 68.20  | -15.97 | peak    |
| 5 | 11570.000 | 10.66 | 37.87  | 38.72  | 42.33 | 52.14  | 54.00  | -1.86  | Average |
| 6 | 11570.000 | 10.66 | 37.87  | 38.72  | 45.90 | 55.71  | 74.00  | -18.29 | peak    |
| 7 | 17355.000 | 13.87 | 42.81  | 40.52  | 46.33 | 62.49  | 68.20  | -5.71  | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High

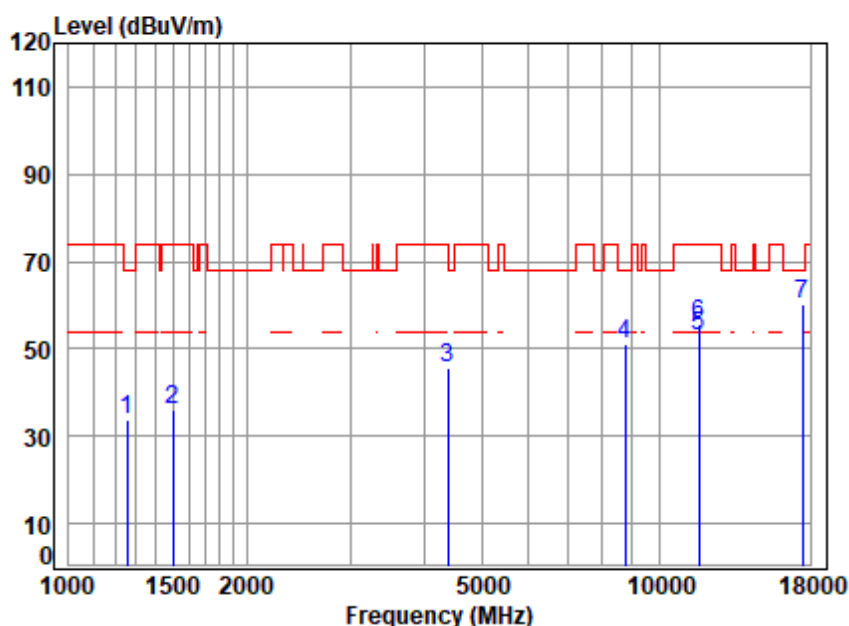


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5825 TX SE  
Note : 5G WIFI 11A

|      |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |              |
|------|-----------|-------|--------|--------|-------|--------|--------|--------------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB           |
| 1    | 1249.269  | 2.77  | 24.81  | 40.32  | 46.20 | 33.46  | 68.20  | -34.74 peak  |
| 2    | 1653.550  | 3.15  | 26.48  | 40.60  | 46.08 | 35.11  | 68.20  | -33.09 peak  |
| 3    | 4367.058  | 6.56  | 33.37  | 42.45  | 48.44 | 45.92  | 74.00  | -28.08 peak  |
| 4    | 8465.379  | 8.52  | 36.98  | 40.39  | 46.01 | 51.12  | 74.00  | -22.88 peak  |
| 5    | 11650.000 | 10.52 | 37.84  | 38.75  | 42.14 | 51.75  | 74.00  | -22.25 peak  |
| 6    | 17475.000 | 13.18 | 42.89  | 40.52  | 44.79 | 60.34  | 68.20  | -7.86 peak   |



Mode:d; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High

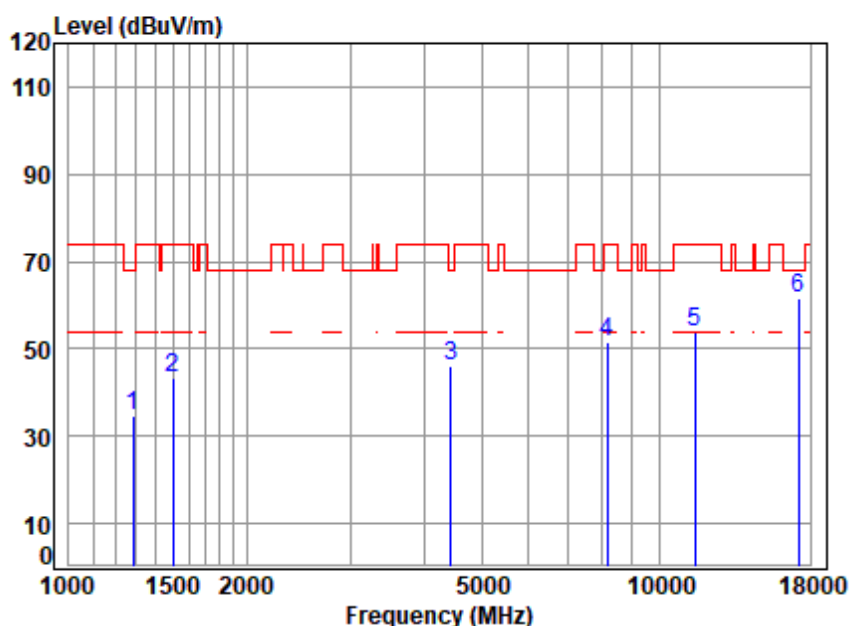


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5825 TX SE  
Note : 5G WIFI 11A

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1256.512  | 2.79  | 24.84  | 40.33  | 46.48 | 33.78  | 68.20  | -34.42 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 47.99 | 36.26  | 74.00  | -37.74 | peak    |
| 3 | 4392.376  | 6.66  | 33.42  | 42.47  | 48.06 | 45.67  | 74.00  | -28.33 | peak    |
| 4 | 8764.146  | 8.50  | 37.11  | 39.89  | 45.22 | 50.94  | 68.20  | -17.26 | peak    |
| 5 | 11650.000 | 10.52 | 37.84  | 38.75  | 43.19 | 52.80  | 54.00  | -1.20  | Average |
| 6 | 11650.000 | 10.52 | 37.84  | 38.75  | 45.90 | 55.51  | 74.00  | -18.49 | peak    |
| 7 | 17475.000 | 13.18 | 42.89  | 40.52  | 44.73 | 60.28  | 68.20  | -7.92  | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low

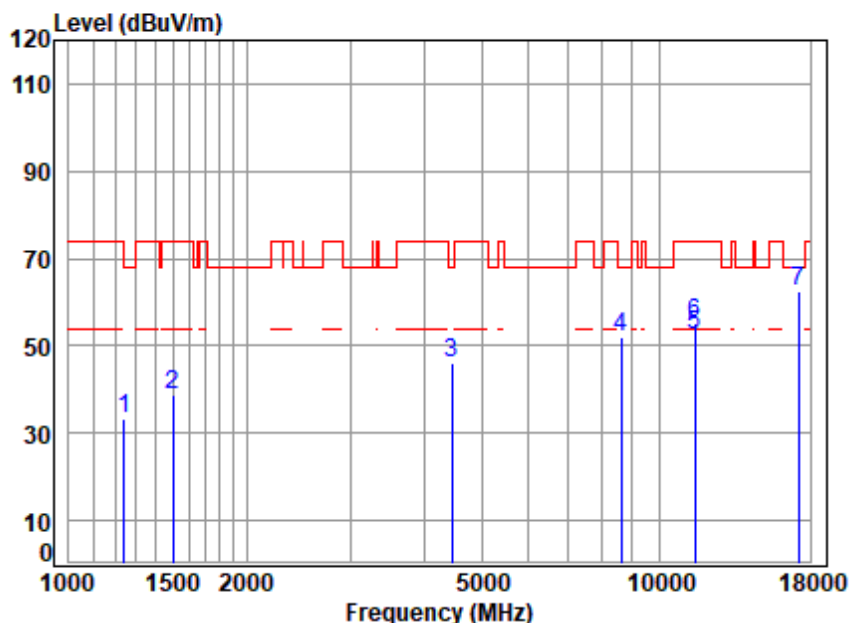


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5745 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1285.904  | 2.86  | 24.96  | 40.35  | 47.04 | 34.51  | 68.20  | -33.69 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 54.98 | 43.25  | 74.00  | -30.75 | peak   |
| 3 | 4430.628  | 6.59  | 33.48  | 42.50  | 48.72 | 46.29  | 68.20  | -21.91 | peak   |
| 4 | 8176.795  | 8.37  | 36.81  | 40.89  | 47.23 | 51.52  | 74.00  | -22.48 | peak   |
| 5 | 11490.000 | 10.99 | 37.90  | 38.69  | 43.59 | 53.79  | 74.00  | -20.21 | peak   |
| 6 | 17235.000 | 14.32 | 42.74  | 40.52  | 45.13 | 61.67  | 68.20  | -6.53  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low

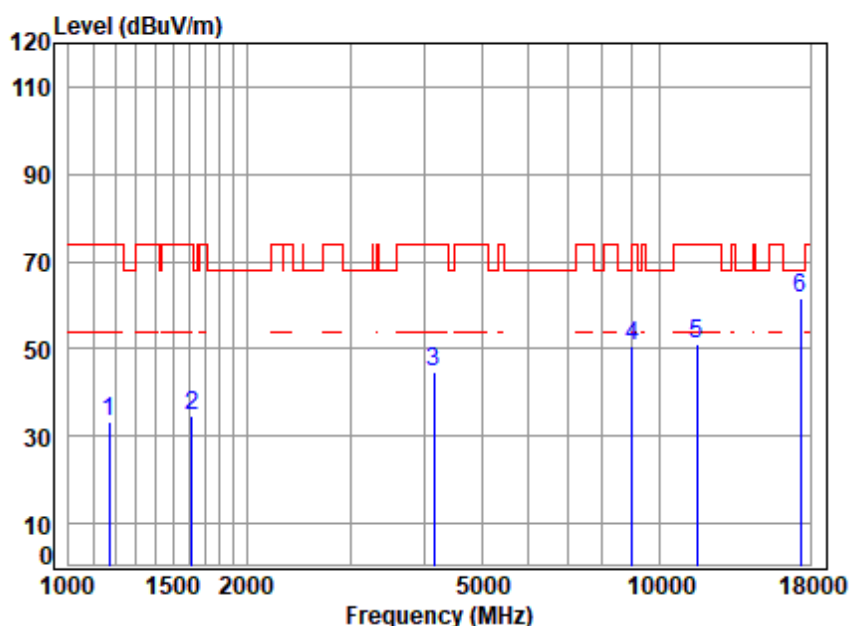


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5745 TX SE  
Note : 5G WIFI 11N20

|      |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|------|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1    | 1242.068  | 2.75  | 24.78  | 40.32  | 46.03 | 33.24  | 68.20  | -34.96 | peak    |
| 2    | 1498.781  | 2.98  | 25.80  | 40.51  | 50.66 | 38.93  | 74.00  | -35.07 | peak    |
| 3    | 4456.315  | 6.51  | 33.53  | 42.52  | 48.46 | 45.98  | 68.20  | -22.22 | peak    |
| 4    | 8613.468  | 8.87  | 37.05  | 40.14  | 46.36 | 52.14  | 68.20  | -16.06 | peak    |
| 5    | 11490.000 | 10.99 | 37.90  | 38.69  | 42.08 | 52.28  | 54.00  | -1.72  | Average |
| 6    | 11490.000 | 10.99 | 37.90  | 38.69  | 45.08 | 55.28  | 74.00  | -18.72 | peak    |
| 7    | 17235.000 | 14.32 | 42.74  | 40.52  | 45.78 | 62.32  | 68.20  | -5.88  | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:middle

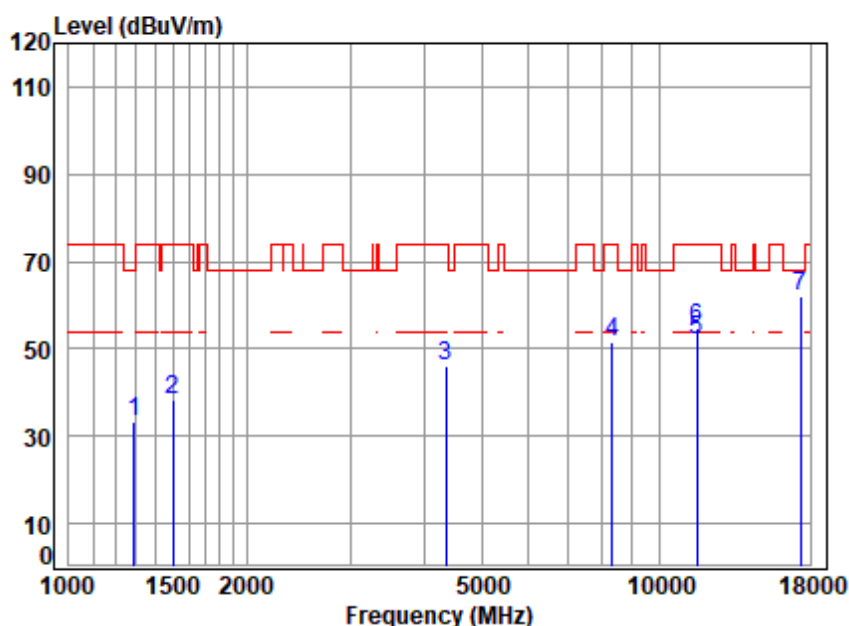


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5785 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1172.303  | 2.51  | 24.46  | 40.26  | 46.49 | 33.20  | 74.00  | -40.80 | peak   |
| 2 | 1615.754  | 3.01  | 26.32  | 40.58  | 45.97 | 34.72  | 74.00  | -39.28 | peak   |
| 3 | 4145.664  | 6.05  | 32.97  | 42.28  | 48.20 | 44.94  | 74.00  | -29.06 | peak   |
| 4 | 8995.123  | 9.03  | 37.20  | 39.52  | 43.90 | 50.61  | 68.20  | -17.59 | peak   |
| 5 | 11570.000 | 10.66 | 37.87  | 38.72  | 41.24 | 51.05  | 74.00  | -22.95 | peak   |
| 6 | 17355.000 | 13.87 | 42.81  | 40.52  | 45.24 | 61.40  | 68.20  | -6.80  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:middle

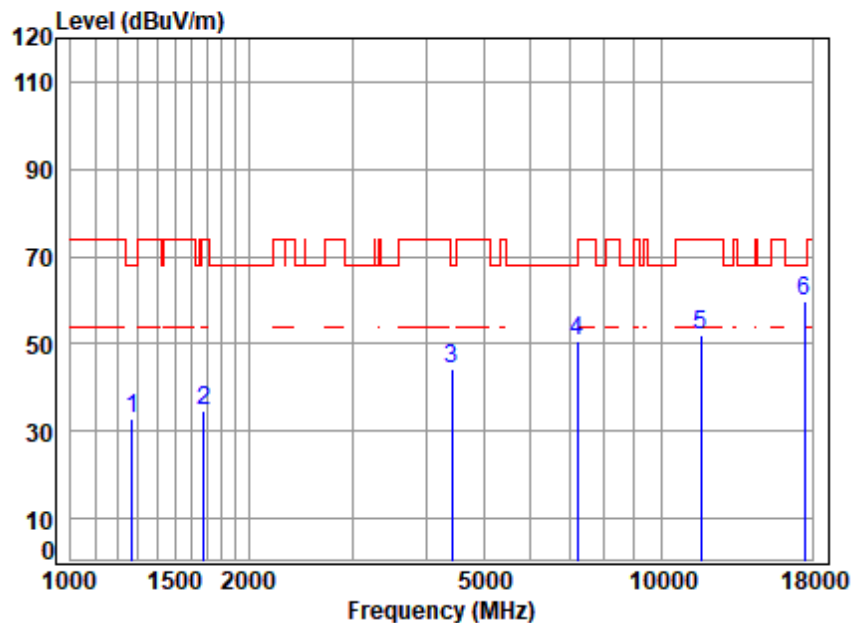


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5785 TX SE  
Note : 5G WIFI 11N20

|      |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|------|-----------|-------|--------|--------|-------|--------|--------|---------------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1    | 1289.627  | 2.87  | 24.98  | 40.35  | 45.89 | 33.39  | 68.20  | -34.81 peak   |
| 2    | 1498.781  | 2.98  | 25.80  | 40.51  | 50.06 | 38.33  | 74.00  | -35.67 peak   |
| 3    | 4354.454  | 6.51  | 33.35  | 42.44  | 48.59 | 46.01  | 74.00  | -27.99 peak   |
| 4    | 8319.836  | 8.22  | 36.89  | 40.64  | 47.12 | 51.59  | 74.00  | -22.41 peak   |
| 5    | 11570.000 | 10.66 | 37.87  | 38.72  | 42.26 | 52.07  | 54.00  | -1.93 Average |
| 6    | 11570.000 | 10.66 | 37.87  | 38.72  | 45.16 | 54.97  | 74.00  | -19.03 peak   |
| 7    | 17355.000 | 13.87 | 42.81  | 40.52  | 45.93 | 62.09  | 68.20  | -6.11 peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High

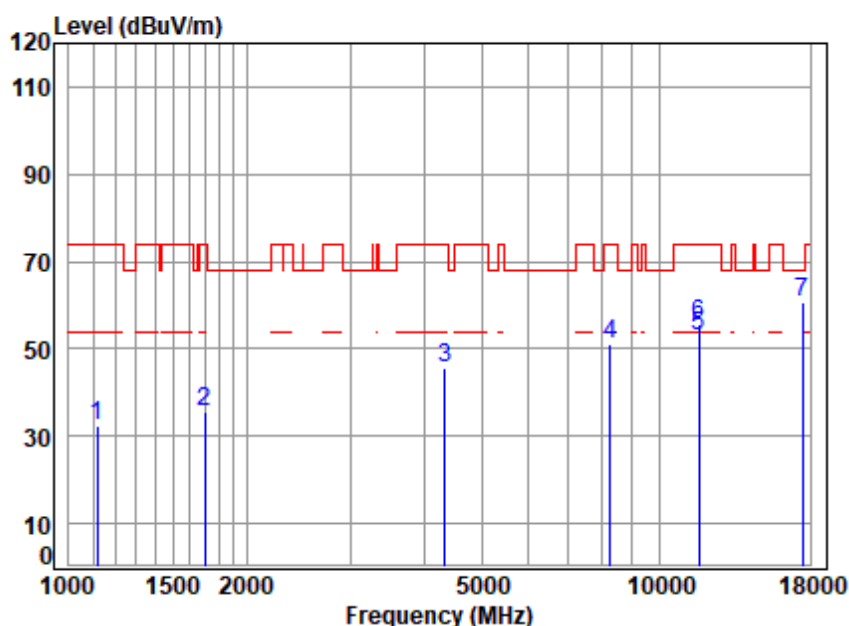


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5825 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |              |
|---|-----------|-------|--------|--------|-------|--------|--------|--------------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB           |
| 1 | 1271.123  | 2.82  | 24.90  | 40.34  | 45.56 | 32.94  | 68.20  | -35.26 peak  |
| 2 | 1682.477  | 3.25  | 26.60  | 40.62  | 45.50 | 34.73  | 74.00  | -39.27 peak  |
| 3 | 4417.841  | 6.63  | 33.46  | 42.49  | 46.84 | 44.44  | 68.20  | -23.76 peak  |
| 4 | 7221.150  | 8.43  | 36.08  | 41.57  | 47.75 | 50.69  | 68.20  | -17.51 peak  |
| 5 | 11650.000 | 10.52 | 37.84  | 38.75  | 42.55 | 52.16  | 74.00  | -21.84 peak  |
| 6 | 17475.000 | 13.18 | 42.89  | 40.52  | 44.32 | 59.87  | 68.20  | -8.33 peak   |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High

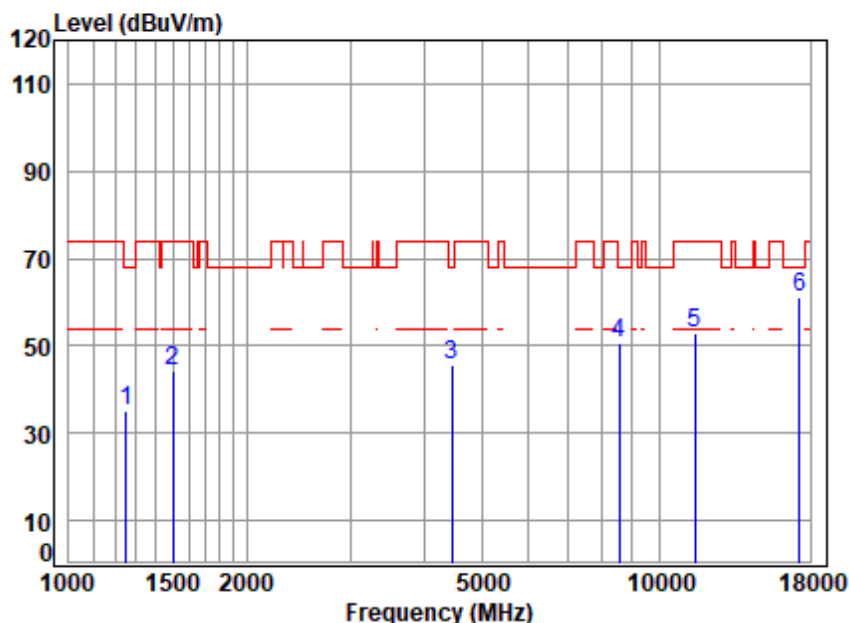


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5825 TX SE  
Note : 5G WIFI 11N20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1119.323  | 2.28  | 24.21  | 40.21  | 46.20 | 32.48  | 74.00  | -41.52 | peak    |
| 2 | 1697.129  | 3.30  | 26.66  | 40.63  | 46.25 | 35.58  | 74.00  | -38.42 | peak    |
| 3 | 4341.886  | 6.46  | 33.33  | 42.43  | 48.33 | 45.69  | 74.00  | -28.31 | peak    |
| 4 | 8248.005  | 8.27  | 36.85  | 40.76  | 46.73 | 51.09  | 74.00  | -22.91 | peak    |
| 5 | 11650.000 | 10.52 | 37.84  | 38.75  | 43.26 | 52.87  | 54.00  | -1.13  | Average |
| 6 | 11650.000 | 10.52 | 37.84  | 38.75  | 46.07 | 55.68  | 74.00  | -18.32 | peak    |
| 7 | 17475.000 | 13.18 | 42.89  | 40.52  | 45.11 | 60.66  | 68.20  | -7.54  | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low

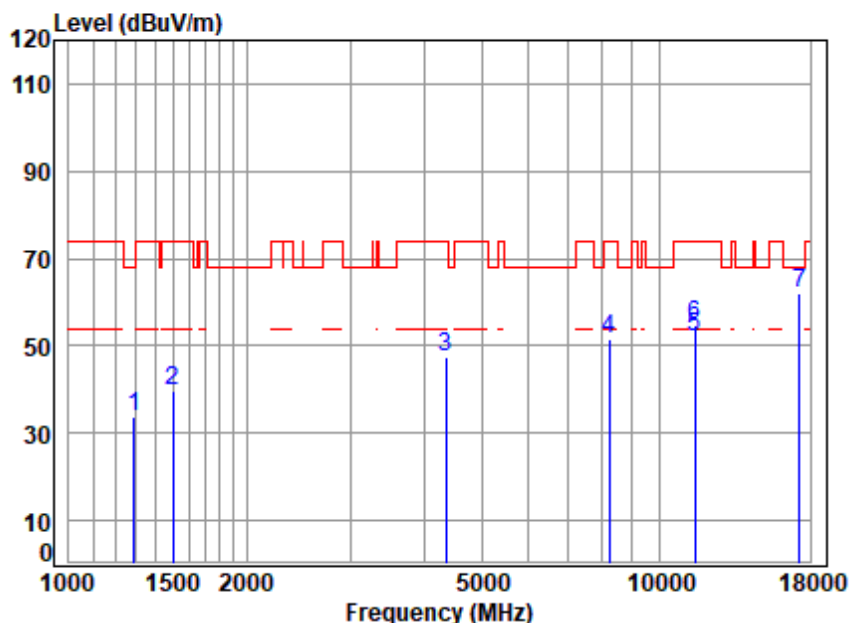


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5755 TX SE  
Note : 5G WIFI 11N40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 47.67 | 34.93  | 68.20  | -33.27 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 55.81 | 44.08  | 74.00  | -29.92 | peak   |
| 3 | 4456.315  | 6.51  | 33.53  | 42.52  | 47.90 | 45.42  | 68.20  | -22.78 | peak   |
| 4 | 8539.102  | 8.73  | 37.02  | 40.26  | 45.07 | 50.56  | 68.20  | -17.64 | peak   |
| 5 | 11510.000 | 10.89 | 37.90  | 38.69  | 43.01 | 53.11  | 74.00  | -20.89 | peak   |
| 6 | 17265.000 | 14.47 | 42.76  | 40.52  | 44.65 | 61.36  | 68.20  | -6.84  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low

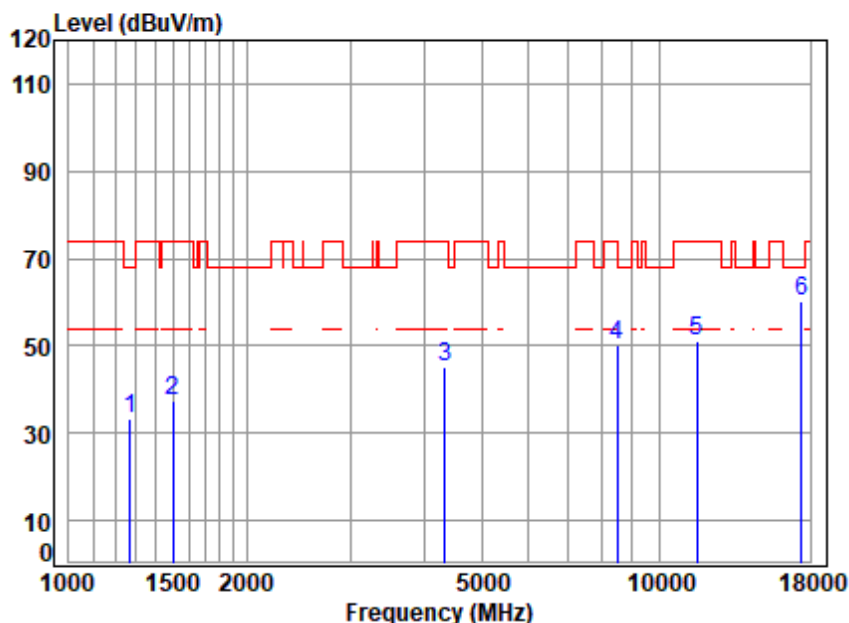


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5755 TX SE  
Note : 5G WIFI 11N40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1289.627  | 2.87  | 24.98  | 40.35  | 46.29 | 33.79  | 68.20  | -34.41 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 51.25 | 39.52  | 74.00  | -34.48 | peak    |
| 3 | 4354.454  | 6.51  | 33.35  | 42.44  | 49.92 | 47.34  | 74.00  | -26.66 | peak    |
| 4 | 8224.200  | 8.31  | 36.84  | 40.80  | 47.32 | 51.67  | 74.00  | -22.33 | peak    |
| 5 | 11510.000 | 10.89 | 37.90  | 38.69  | 42.10 | 52.20  | 54.00  | -1.80  | Average |
| 6 | 11510.000 | 10.89 | 37.90  | 38.69  | 44.82 | 54.92  | 74.00  | -19.08 | peak    |
| 7 | 17265.000 | 14.47 | 42.76  | 40.52  | 45.45 | 62.16  | 68.20  | -6.04  | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High

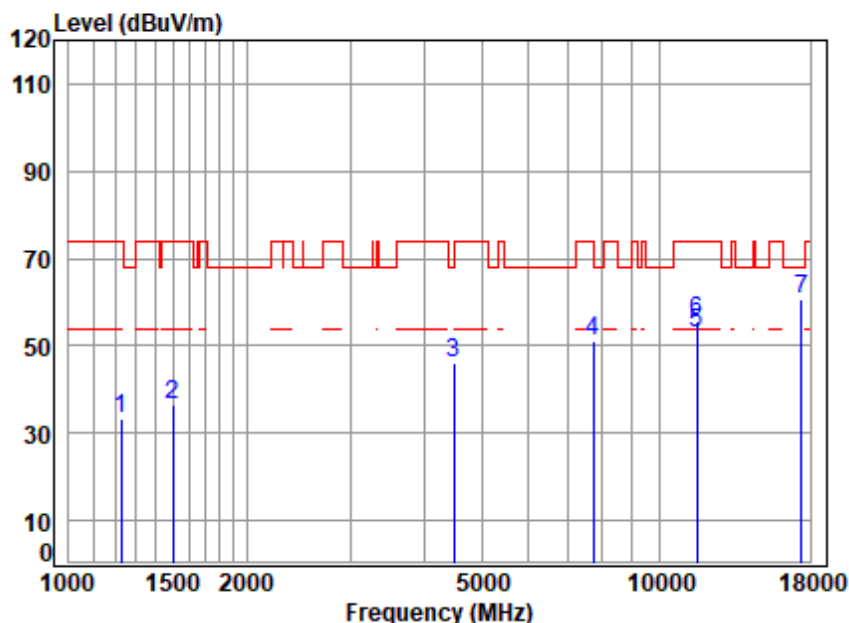


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5795 TX SE  
Note : 5G WIFI 11N40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1271.123  | 2.82  | 24.90  | 40.34  | 46.11 | 33.49  | 68.20  | -34.71 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 49.37 | 37.64  | 74.00  | -36.36 | peak   |
| 3 | 4329.354  | 6.42  | 33.30  | 42.42  | 48.09 | 45.39  | 74.00  | -28.61 | peak   |
| 4 | 8489.882  | 8.59  | 36.99  | 40.35  | 44.85 | 50.08  | 74.00  | -23.92 | peak   |
| 5 | 11590.000 | 10.59 | 37.86  | 38.73  | 41.27 | 50.99  | 74.00  | -23.01 | peak   |
| 6 | 17385.000 | 13.46 | 42.83  | 40.52  | 44.46 | 60.23  | 68.20  | -7.97  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High

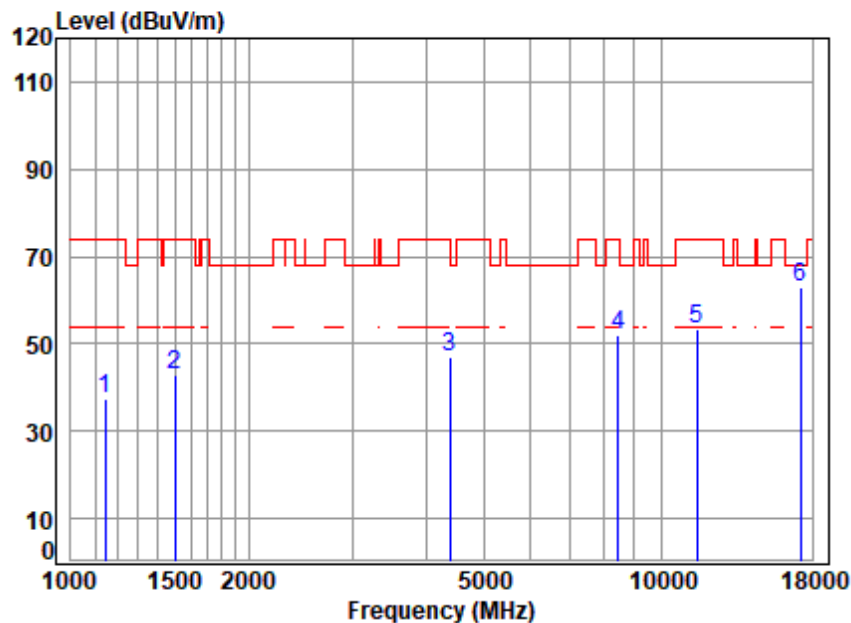


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5795 TX SE  
Note : 5G WIFI 11N40

|      |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|------|-----------|-------|--------|--------|-------|--------|--------|---------------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1    | 1227.791  | 2.71  | 24.71  | 40.31  | 46.26 | 33.37  | 74.00  | -40.63 peak   |
| 2    | 1503.119  | 2.99  | 25.81  | 40.51  | 48.15 | 36.44  | 74.00  | -37.56 peak   |
| 3    | 4482.150  | 6.43  | 33.57  | 42.54  | 48.40 | 45.86  | 68.20  | -22.34 peak   |
| 4    | 7717.518  | 8.61  | 36.48  | 41.33  | 47.42 | 51.18  | 74.00  | -22.82 peak   |
| 5    | 11590.000 | 10.59 | 37.86  | 38.73  | 43.13 | 52.85  | 54.00  | -1.15 Average |
| 6    | 11590.000 | 10.59 | 37.86  | 38.73  | 45.73 | 55.45  | 74.00  | -18.55 peak   |
| 7    | 17385.000 | 13.46 | 42.83  | 40.52  | 44.75 | 60.52  | 68.20  | -7.68 peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

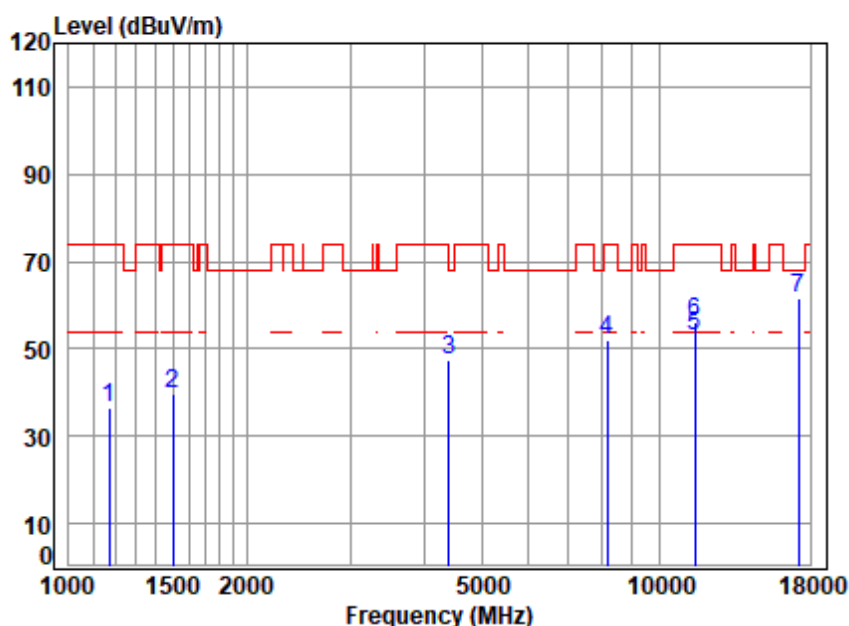


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5745 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1145.507  | 2.39  | 24.34  | 40.24  | 50.86 | 37.35  | 74.00  | -36.65 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 54.72 | 42.99  | 74.00  | -31.01 | peak   |
| 3 | 4379.699  | 6.61  | 33.39  | 42.46  | 49.45 | 46.99  | 74.00  | -27.01 | peak   |
| 4 | 8465.379  | 8.52  | 36.98  | 40.39  | 46.82 | 51.93  | 74.00  | -22.07 | peak   |
| 5 | 11490.000 | 10.99 | 37.90  | 38.69  | 43.19 | 53.39  | 74.00  | -20.61 | peak   |
| 6 | 17235.000 | 14.32 | 42.74  | 40.52  | 46.29 | 62.83  | 68.20  | -5.37  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

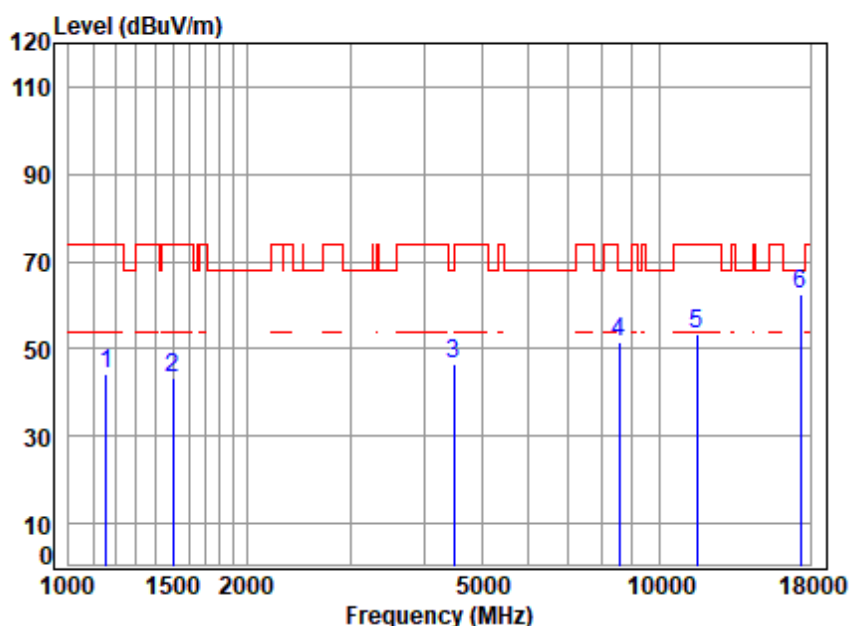


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5745 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1168.920  | 2.50  | 24.45  | 40.26  | 49.67 | 36.36  | 74.00  | -37.64 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 51.26 | 39.53  | 74.00  | -34.47 | peak    |
| 3 | 4405.090  | 6.67  | 33.44  | 42.48  | 49.60 | 47.23  | 68.20  | -20.97 | peak    |
| 4 | 8153.195  | 8.39  | 36.79  | 40.93  | 47.82 | 52.07  | 74.00  | -21.93 | peak    |
| 5 | 11490.000 | 10.99 | 37.90  | 38.69  | 42.74 | 52.94  | 54.00  | -1.06  | Average |
| 6 | 11490.000 | 10.99 | 37.90  | 38.69  | 46.13 | 56.33  | 74.00  | -17.67 | peak    |
| 7 | 17235.000 | 14.32 | 42.74  | 40.52  | 45.15 | 61.69  | 68.20  | -6.51  | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:middle

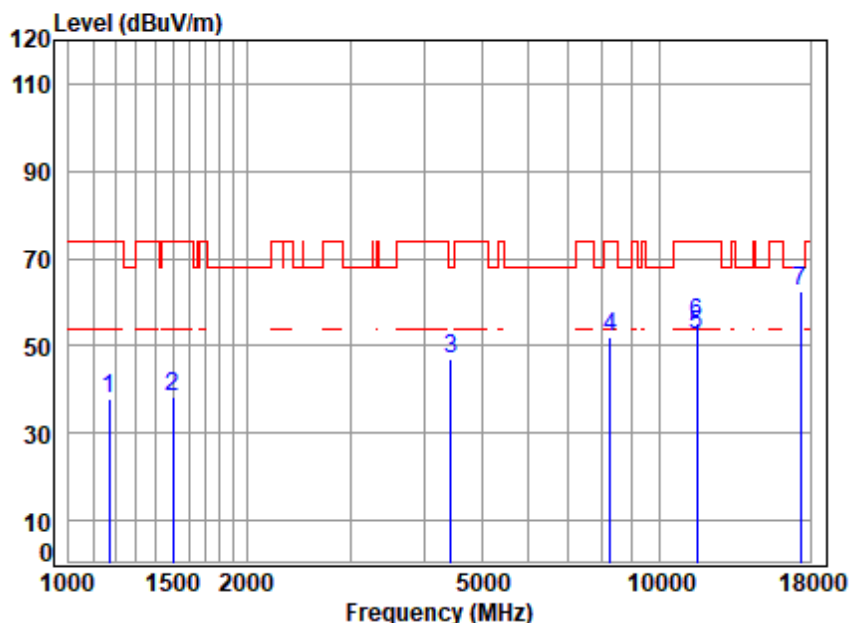


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5785 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1158.828  | 2.45  | 24.40  | 40.25  | 57.66 | 44.26  | 74.00  | -29.74 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 55.30 | 43.57  | 74.00  | -30.43 | peak   |
| 3 | 4495.125  | 6.39  | 33.59  | 42.55  | 48.91 | 46.34  | 68.20  | -21.86 | peak   |
| 4 | 8539.102  | 8.73  | 37.02  | 40.26  | 46.09 | 51.58  | 68.20  | -16.62 | peak   |
| 5 | 11570.000 | 10.66 | 37.87  | 38.72  | 43.42 | 53.23  | 74.00  | -20.77 | peak   |
| 6 | 17355.000 | 13.87 | 42.81  | 40.52  | 46.37 | 62.53  | 68.20  | -5.67  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:middle

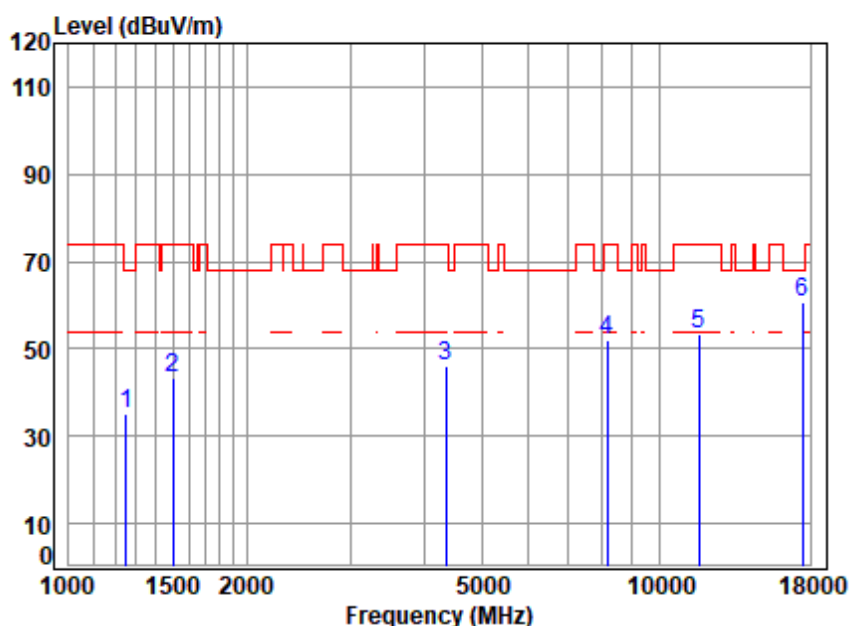


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5785 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|---|-----------|-------|--------|--------|-------|--------|--------|---------------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1 | 1168.920  | 2.50  | 24.45  | 40.26  | 51.37 | 38.06  | 74.00  | -35.94 peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 49.85 | 38.12  | 74.00  | -35.88 peak   |
| 3 | 4430.628  | 6.59  | 33.48  | 42.50  | 49.33 | 46.90  | 68.20  | -21.30 peak   |
| 4 | 8271.880  | 8.23  | 36.87  | 40.72  | 47.62 | 52.00  | 74.00  | -22.00 peak   |
| 5 | 11570.000 | 10.66 | 37.87  | 38.72  | 42.85 | 52.66  | 54.00  | -1.34 Average |
| 6 | 11570.000 | 10.66 | 37.87  | 38.72  | 45.54 | 55.35  | 74.00  | -18.65 peak   |
| 7 | 17355.000 | 13.87 | 42.81  | 40.52  | 46.26 | 62.42  | 68.20  | -5.78 peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High

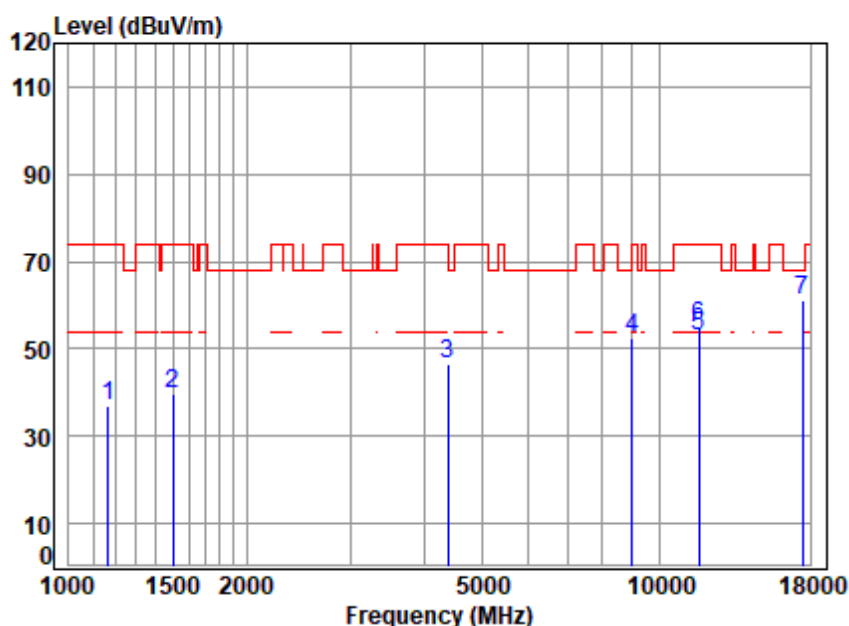


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5825 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 47.94 | 35.20  | 68.20  | -33.00 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 55.11 | 43.38  | 74.00  | -30.62 | peak   |
| 3 | 4354.454  | 6.51  | 33.35  | 42.44  | 48.87 | 46.29  | 74.00  | -27.71 | peak   |
| 4 | 8176.795  | 8.37  | 36.81  | 40.89  | 47.94 | 52.23  | 74.00  | -21.77 | peak   |
| 5 | 11650.000 | 10.52 | 37.84  | 38.75  | 43.67 | 53.28  | 74.00  | -20.72 | peak   |
| 6 | 17475.000 | 13.18 | 42.89  | 40.52  | 44.93 | 60.48  | 68.20  | -7.72  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High

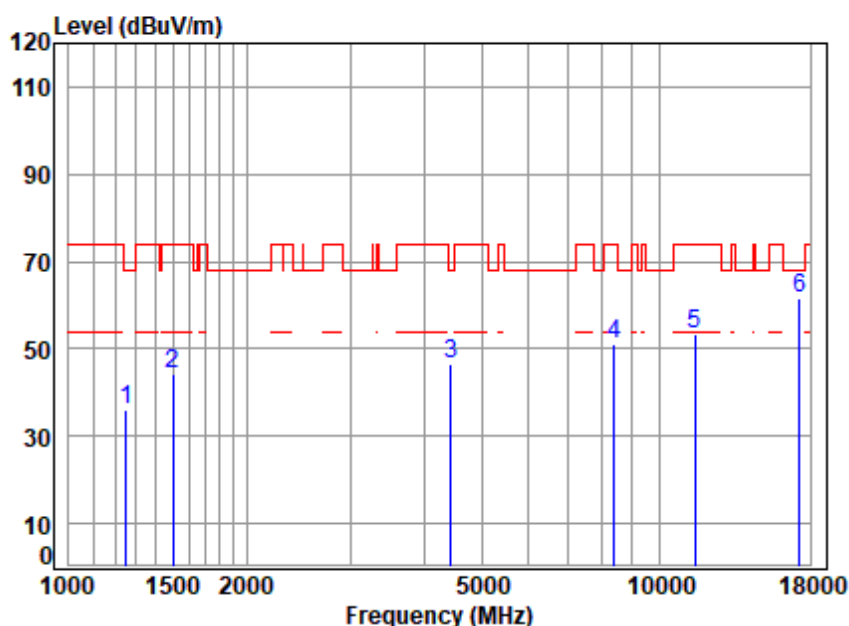


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5825 TX SE  
Note : 5G WIFI 11AC20

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1165.546  | 2.48  | 24.43  | 40.25  | 50.27 | 36.93  | 74.00  | -37.07 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 51.56 | 39.83  | 74.00  | -34.17 | peak    |
| 3 | 4392.376  | 6.66  | 33.42  | 42.47  | 48.89 | 46.50  | 74.00  | -27.50 | peak    |
| 4 | 8995.123  | 9.03  | 37.20  | 39.52  | 45.76 | 52.47  | 68.20  | -15.73 | peak    |
| 5 | 11650.000 | 10.52 | 37.84  | 38.75  | 43.21 | 52.82  | 54.00  | -1.18  | Average |
| 6 | 11650.000 | 10.52 | 37.84  | 38.75  | 45.51 | 55.12  | 74.00  | -18.88 | peak    |
| 7 | 17475.000 | 13.18 | 42.89  | 40.52  | 45.40 | 60.95  | 68.20  | -7.25  | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

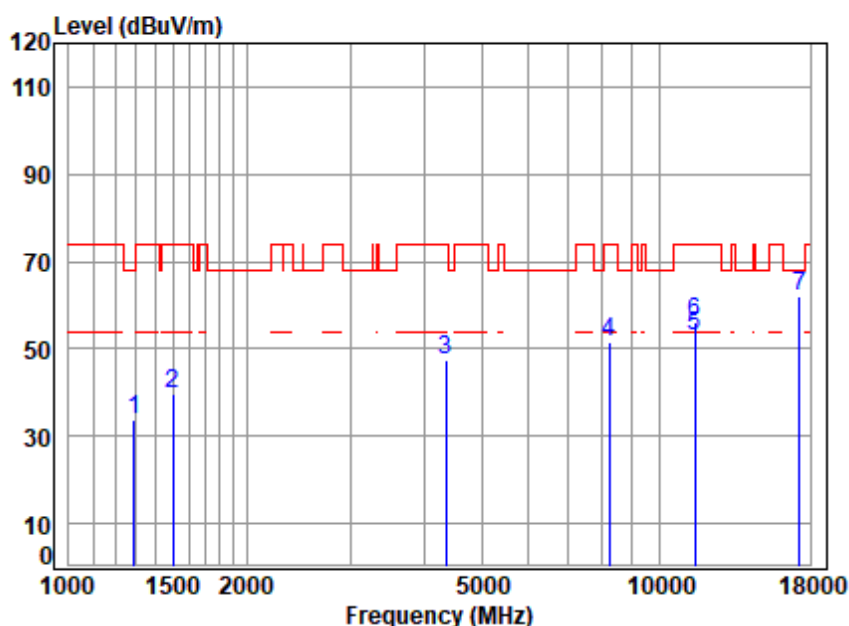


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5755 TX SE  
Note : 5G WIFI 11AC40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 48.68 | 35.94  | 68.20  | -32.26 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 55.93 | 44.20  | 74.00  | -29.80 | peak   |
| 3 | 4443.453  | 6.55  | 33.50  | 42.51  | 49.07 | 46.61  | 68.20  | -21.59 | peak   |
| 4 | 8392.292  | 8.33  | 36.94  | 40.51  | 46.22 | 50.98  | 74.00  | -23.02 | peak   |
| 5 | 11510.000 | 10.89 | 37.90  | 38.69  | 43.17 | 53.27  | 74.00  | -20.73 | peak   |
| 6 | 17265.000 | 14.47 | 42.76  | 40.52  | 44.77 | 61.48  | 68.20  | -6.72  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

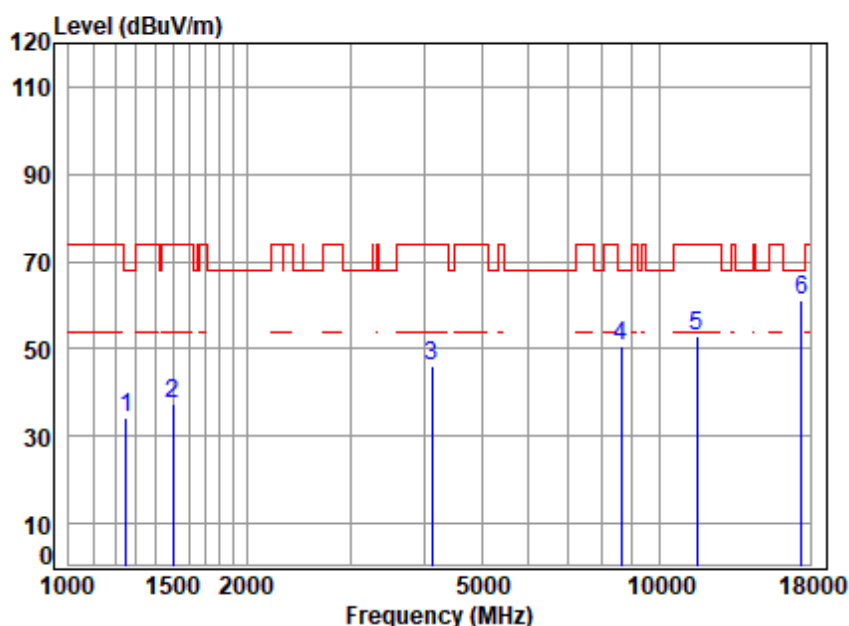


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5755 TX SE  
Note : 5G WIFI 11AC40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1289.627  | 2.87  | 24.98  | 40.35  | 46.29 | 33.79  | 68.20  | -34.41 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 51.25 | 39.52  | 74.00  | -34.48 | peak    |
| 3 | 4354.454  | 6.51  | 33.35  | 42.44  | 49.92 | 47.34  | 74.00  | -26.66 | peak    |
| 4 | 8224.200  | 8.31  | 36.84  | 40.80  | 47.32 | 51.67  | 74.00  | -22.33 | peak    |
| 5 | 11510.000 | 10.89 | 37.90  | 38.69  | 42.88 | 52.98  | 54.00  | -1.02  | Average |
| 6 | 11510.000 | 10.89 | 37.90  | 38.69  | 45.82 | 55.92  | 74.00  | -18.08 | peak    |
| 7 | 17265.000 | 14.47 | 42.76  | 40.52  | 45.45 | 62.16  | 68.20  | -6.04  | peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High

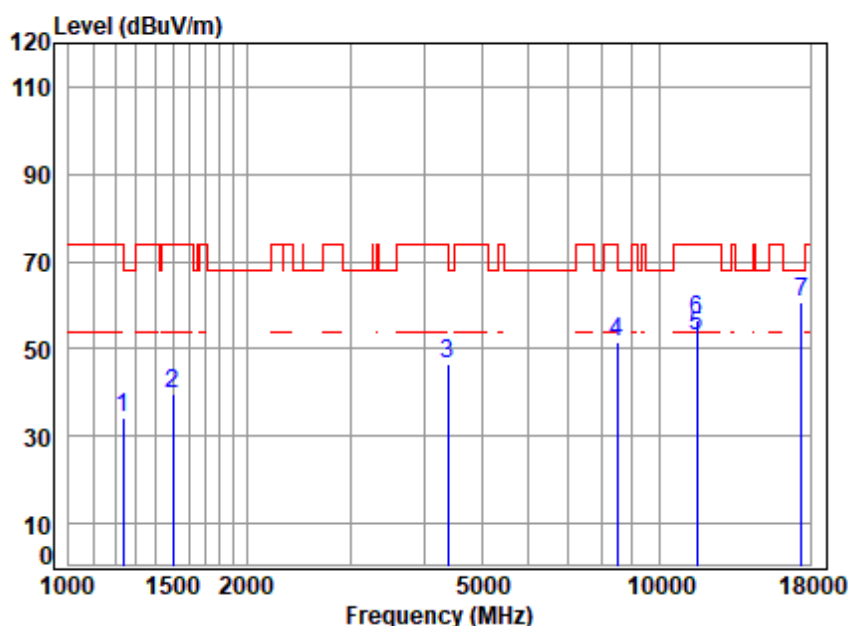


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5795 TX SE  
Note : 5G WIFI 11AC40

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 46.86 | 34.12  | 68.20  | -34.08 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 49.33 | 37.60  | 74.00  | -36.40 | peak   |
| 3 | 4121.768  | 6.02  | 32.93  | 42.26  | 49.21 | 45.90  | 74.00  | -28.10 | peak   |
| 4 | 8613.468  | 8.87  | 37.05  | 40.14  | 45.03 | 50.81  | 68.20  | -17.39 | peak   |
| 5 | 11590.000 | 10.59 | 37.86  | 38.73  | 43.02 | 52.74  | 74.00  | -21.26 | peak   |
| 6 | 17385.000 | 13.46 | 42.83  | 40.52  | 45.21 | 60.98  | 68.20  | -7.22  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High

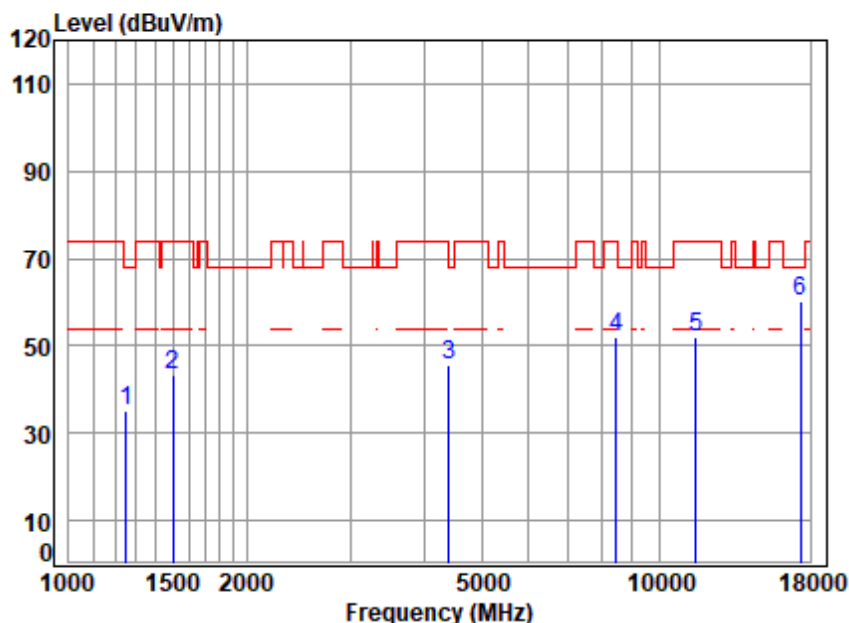


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5795 TX SE  
Note : 5G WIFI 11AC40

|      |           | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|------|-----------|-------|--------|--------|-------|--------|--------|---------------|
| Freq |           | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
| MHz  |           | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1    | 1238.483  | 2.74  | 24.76  | 40.31  | 46.91 | 34.10  | 74.00  | -39.90 peak   |
| 2    | 1498.781  | 2.98  | 25.80  | 40.51  | 51.54 | 39.81  | 74.00  | -34.19 peak   |
| 3    | 4392.376  | 6.66  | 33.42  | 42.47  | 48.98 | 46.59  | 74.00  | -27.41 peak   |
| 4    | 8489.882  | 8.59  | 36.99  | 40.35  | 46.54 | 51.77  | 74.00  | -22.23 peak   |
| 5    | 11590.000 | 10.59 | 37.86  | 38.73  | 43.03 | 52.75  | 54.00  | -1.25 Average |
| 6    | 11590.000 | 10.59 | 37.86  | 38.73  | 47.03 | 56.75  | 74.00  | -17.25 peak   |
| 7    | 17385.000 | 13.46 | 42.83  | 40.52  | 44.97 | 60.74  | 68.20  | -7.46 peak    |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:80MHz; Channel:middle

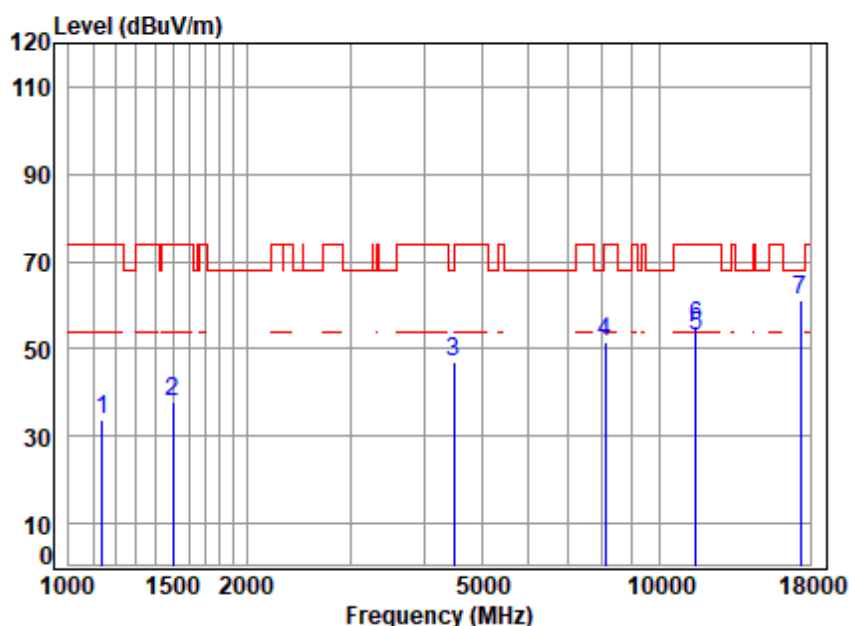


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5775 TX SE  
Note : 5G WIFI 11AC80

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |        |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|--------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |        |
| 1 | 1249.269  | 2.77  | 24.81  | 40.32  | 47.87 | 35.13  | 68.20  | -33.07 | peak   |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 55.19 | 43.46  | 74.00  | -30.54 | peak   |
| 3 | 4405.090  | 6.67  | 33.44  | 42.48  | 47.95 | 45.58  | 68.20  | -22.62 | peak   |
| 4 | 8465.379  | 8.52  | 36.98  | 40.39  | 46.85 | 51.96  | 74.00  | -22.04 | peak   |
| 5 | 11550.000 | 10.74 | 37.88  | 38.71  | 42.21 | 52.12  | 74.00  | -21.88 | peak   |
| 6 | 17325.000 | 14.28 | 42.80  | 40.52  | 43.85 | 60.41  | 68.20  | -7.79  | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:80MHz; Channel:middle



Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5775 TX SE  
Note : 5G WIFI 11AC80

|   |           | Cable | Ant    | Preamp | Read  |        | Limit  | Over   |         |
|---|-----------|-------|--------|--------|-------|--------|--------|--------|---------|
|   | Freq      | Loss  | Factor | Factor | Level | Level  | Line   | Limit  | Remark  |
|   | MHz       | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB     |         |
| 1 | 1138.904  | 2.37  | 24.31  | 40.23  | 47.20 | 33.65  | 74.00  | -40.35 | peak    |
| 2 | 1498.781  | 2.98  | 25.80  | 40.51  | 49.75 | 38.02  | 74.00  | -35.98 | peak    |
| 3 | 4495.125  | 6.39  | 33.59  | 42.55  | 49.48 | 46.91  | 68.20  | -21.29 | peak    |
| 4 | 8106.200  | 8.43  | 36.77  | 41.01  | 47.25 | 51.44  | 74.00  | -22.56 | peak    |
| 5 | 11550.000 | 10.74 | 37.88  | 38.71  | 42.91 | 52.82  | 54.00  | -1.18  | Average |
| 6 | 11550.000 | 10.74 | 37.88  | 38.71  | 45.28 | 55.19  | 74.00  | -18.81 | peak    |
| 7 | 17325.000 | 14.28 | 42.80  | 40.52  | 44.78 | 61.34  | 68.20  | -6.86  | peak    |



## 7.8 Radiated Emissions which fall in the restricted bands

Test Requirement 47 CFR Part 15, Subpart C 15.209 & 15.407(b)

Test Method: KDB 789033 D02 II G

Measurement Distance: 3m

|                                                        |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |  |
|--------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------|--|
| Limit:                                                 |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |                              |  |
| For transmitters operating in the 5.15-5.25 GHz band:  | All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                  |                              |  |
| For transmitters operating in the 5.25-5.35 GHz band:  | All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                  |                              |  |
| For transmitters operating in the 5.47-5.725 GHz band: | All emissions outside of the 5.47-5.725 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz (68.2dBuV/m).                                                                                                                                                                                                                                                                                                                                                                                 |                              |  |
| For transmitters operating in the 5.725-5.85 GHz band: | (i) All emissions shall be limited to a level of -27 dBm/MHz (68.2dBuV/m) at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz (105.2dBuV/m) 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 (110.8dBuV/m) 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 (122.2dBuV/m) at the band edge. |                              |  |
| Frequency(MHz)                                         | Field strength(microvolts/meter)                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Measurement distance(meters) |  |
| 0.009-0.490                                            | 2400/F(kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                                | 300                          |  |
| 0.490-1.705                                            | 24000/F(kHz)                                                                                                                                                                                                                                                                                                                                                                                                                                                                               | 30                           |  |
| 1.705-30.0                                             | 30                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         | 30                           |  |
| 30-88                                                  | 100                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            |  |
| 88-216                                                 | 150                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            |  |
| 216-960                                                | 200                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            |  |
| Above 960                                              | 500                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        | 3                            |  |

Remark: The emission limits shown in the above table are based on measurements employing a CISPR quasi-peak detector except for the frequency bands 9-90kHz, 110-490kHz and above 1000 MHz. Radiated emission limits in these three bands are based on measurements employing an average detector, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation.

### 7.8.1 E.U.T. Operation

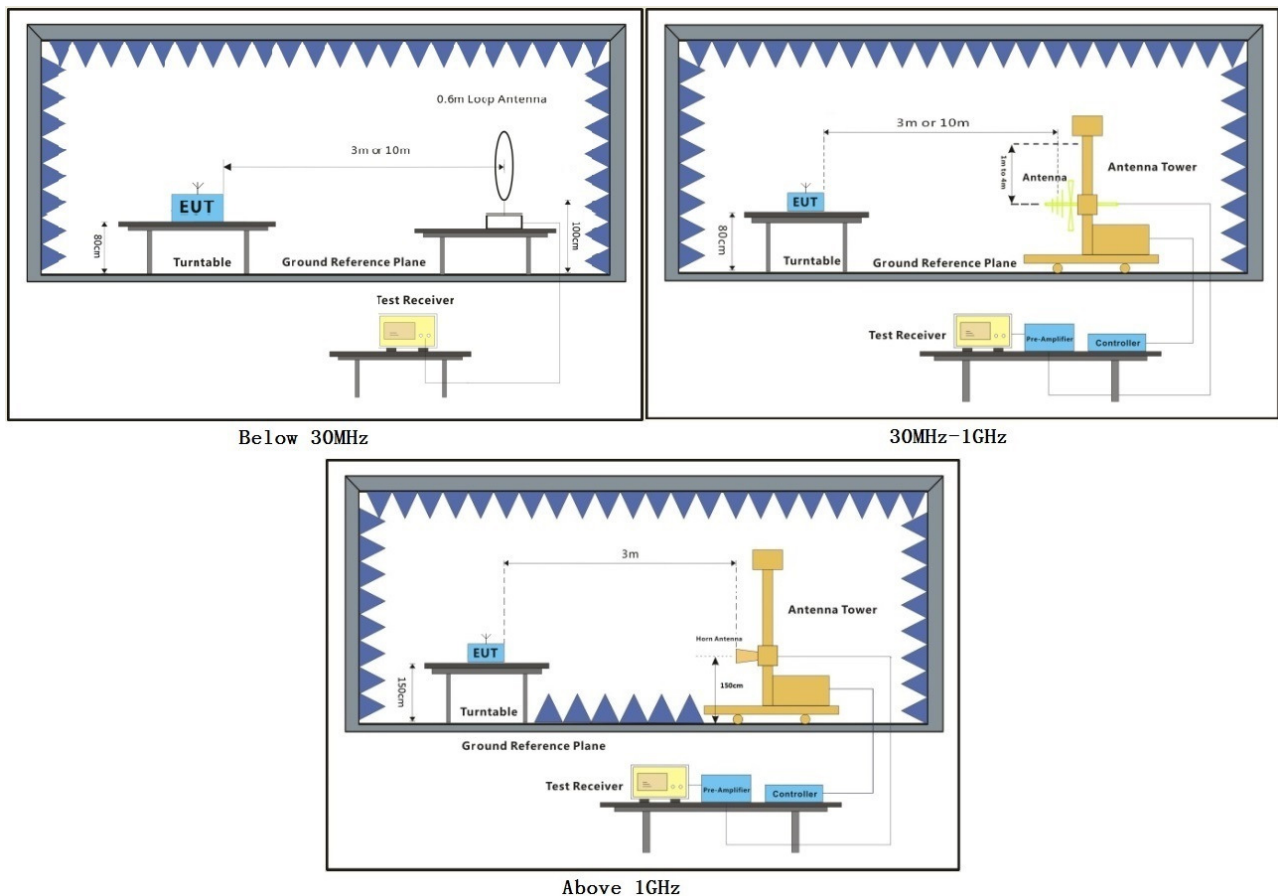
Operating Environment:

Temperature: 25 °C Humidity: 55 % RH Atmospheric Pressure: 1010 mbar

Test mode: c:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

d:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

### 7.8.2 Test Setup Diagram



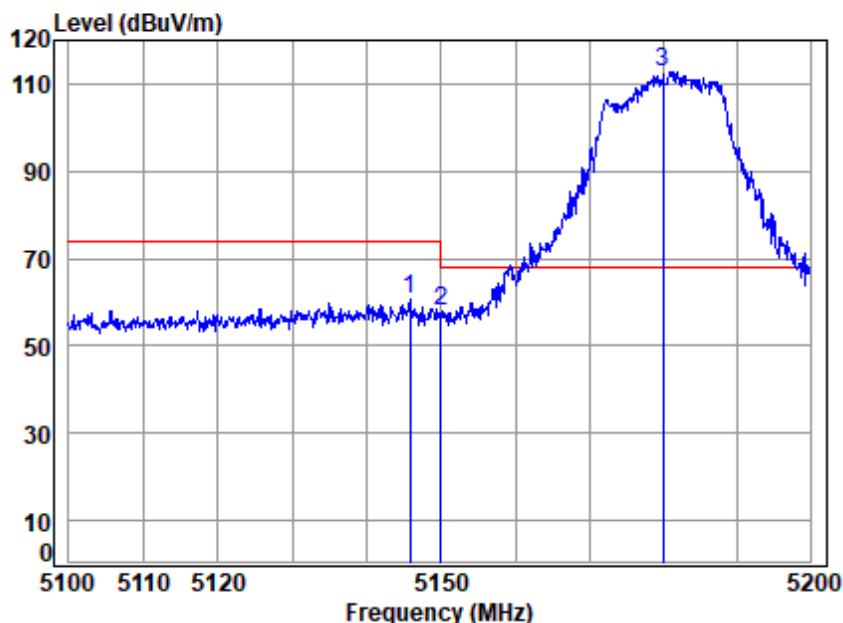
### 7.8.3 Measurement Procedure and Data

- a. For below 1GHz, the EUT was placed on the top of a rotating table 0.8 meters above the ground at a 3 or 10 meter semi-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- b. For above 1GHz, the EUT was placed on the top of a rotating table 1.5 meters above the ground at a 3 meter fully-anechoic chamber. The table was rotated 360 degrees to determine the position of the highest radiation.
- c. The EUT was set 3 or 10 meters away from the interference-receiving antenna, which was mounted on the top of a variable-height antenna tower.
- d. The antenna height is varied from one meter to four meters above the ground to determine the maximum value of the field strength. Both horizontal and vertical polarizations of the antenna are set to make the measurement.
- e. For each suspected emission, the EUT was arranged to its worst case and then the antenna was tuned to heights from 1 meter to 4 meters (for the test frequency of below 30MHz, the antenna was tuned to heights 1 meter) and the rotatable table was turned from 0 degrees to 360 degrees to find the maximum reading.
- f. The test-receiver system was set to Peak Detect Function and Specified Bandwidth with Maximum Hold Mode.
- g. If the emission level of the EUT in peak mode was 10dB lower than the limit specified, then testing could be stopped and the peak values of the EUT would be reported. Otherwise the emissions that did not have 10dB margin would be re-tested one by one using peak, quasi-peak or average method as specified and then reported in a data sheet.
- h. Test the EUT in the lowest channel, the middle channel, the Highest channel.
- i. The radiation measurements are performed in X, Y, Z axis positioning for Transmitting mode, and found the X axis positioning which it is the worst case.
- j. Repeat above procedures until all frequencies measured was complete.

#### Remark:

- 1) For emission below 1GHz, through pre-scan found the worst case is the lowest channel. Only the worst case is recorded in the report.
- 2) The field strength is calculated by adding the Antenna Factor, Cable Factor & Preamplifier. The basic equation with a sample calculation is as follows:  
Final Test Level = Receiver Reading + Antenna Factor + Cable Factor – Preamplifier Factor
- 3) Scan from 9kHz to 25GHz, the disturbance above 18GHz and below 30MHz was very low. The points marked on above plots are the highest emissions could be found when testing, so only above points had been displayed. The amplitude of spurious emissions from the radiator which are attenuated more than 20dB below the limit need not be reported.
- 4) For frequencies above 1GHz, the field strength limits are based on average limits. However, the peak field strength of any emission shall not exceed the maximum permitted average limits specified above by more than 20 dB under any condition of modulation. For the emissions whose peak level is lower than the average limit, only the peak measurement is shown in the report.
- 5) Pretest the EUT at antenna 1, antenna 2, antenna 3 and antenna 4, found the antenna 3 which is worst case for 802.11a mode, Pretest the EUT at antenna 1, antenna 2, antenna 3, antenna 4 and MIMO mode, found the MIMO mode which is worst case for 802.11n/ac mode; So, Only the worst test data is recorded in the report.

Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low

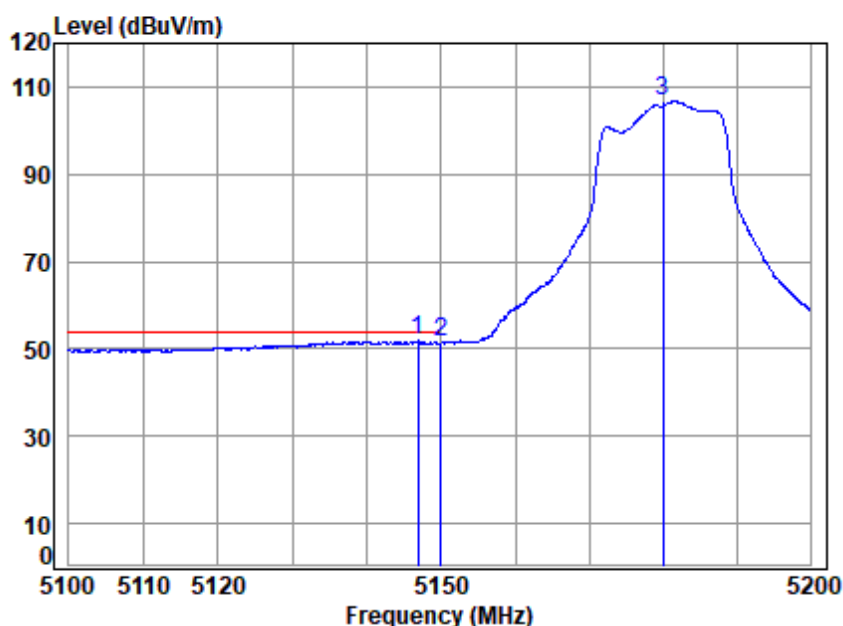


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11A

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5145.759 | 6.81  | 34.32  | 42.80  | 62.21  | 60.54  | 74.00  | -13.46 peak  |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 59.40  | 57.74  | 74.00  | -16.26 peak  |
| 3 *  | 5180.000 | 6.81  | 34.35  | 42.77  | 114.38 | 112.77 | 68.20  | 44.57 peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low

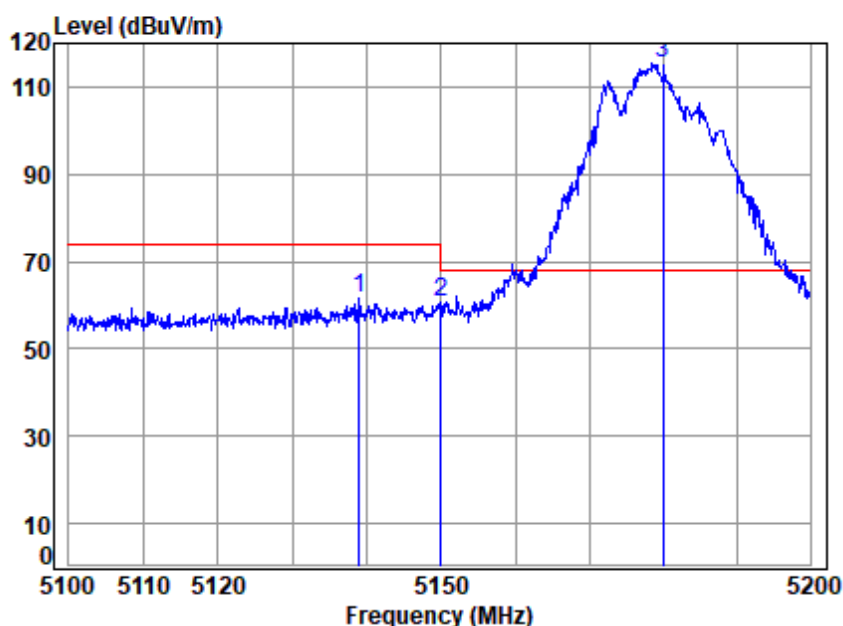


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11A

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark        |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5146.858 | 6.81  | 34.32  | 42.80  | 53.55  | 51.88  | 54.00  | -2.12 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 53.10  | 51.44  | 54.00  | -2.56 Average |
| 3    | 5180.000 | 6.81  | 34.35  | 42.77  | 108.23 | 106.62 | -----  | ----- Average |



Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low

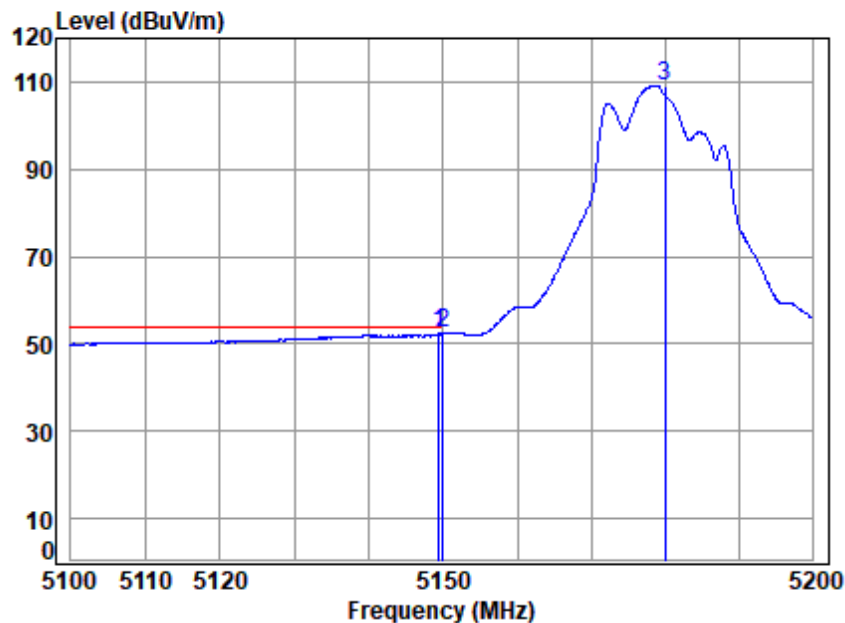


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11A

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |             |
|------|----------|-------|--------|--------|--------|--------|--------|-------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark      |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB          |
| 1    | 5138.969 | 6.81  | 34.32  | 42.80  | 63.12  | 61.45  | 74.00  | -12.55 peak |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 62.21  | 60.55  | 74.00  | -13.45 peak |
| 3 *  | 5180.000 | 6.81  | 34.35  | 42.77  | 117.10 | 115.49 | 68.20  | 47.29 peak  |



Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low

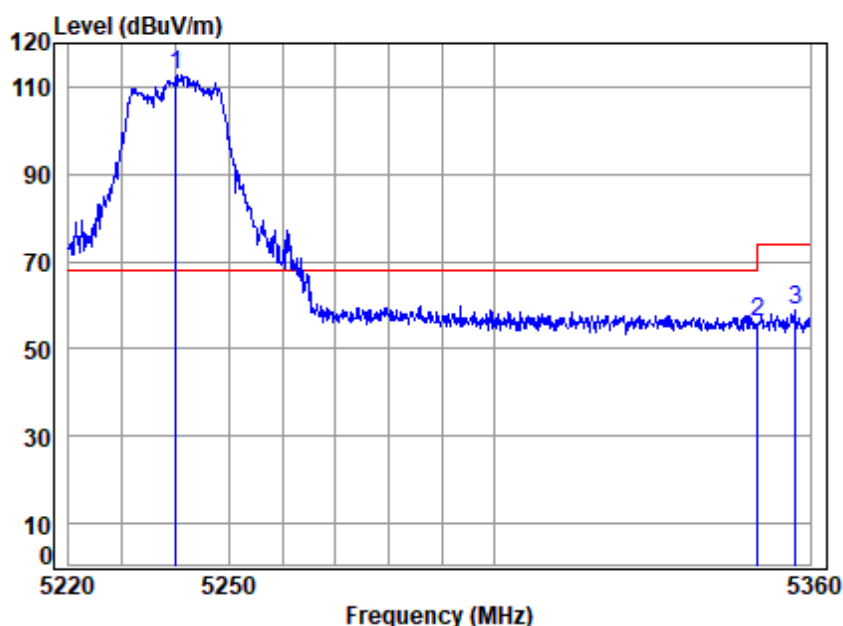


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11A

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark        |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5149.458 | 6.81  | 34.32  | 42.79  | 53.91  | 52.25  | 54.00  | -1.75 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 54.01  | 52.35  | 54.00  | -1.65 Average |
| 3    | 5180.000 | 6.81  | 34.35  | 42.77  | 110.76 | 109.15 | -----  | ----- Average |



Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5240.000 | 6.91  | 34.40  | 42.73  | 114.18 | 112.76 | 68.20  | 44.56 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 57.43  | 56.33  | 74.00  | -17.67 peak  |
| 3    | 5357.164 | 7.08  | 34.49  | 42.65  | 59.88  | 58.80  | 74.00  | -15.20 peak  |

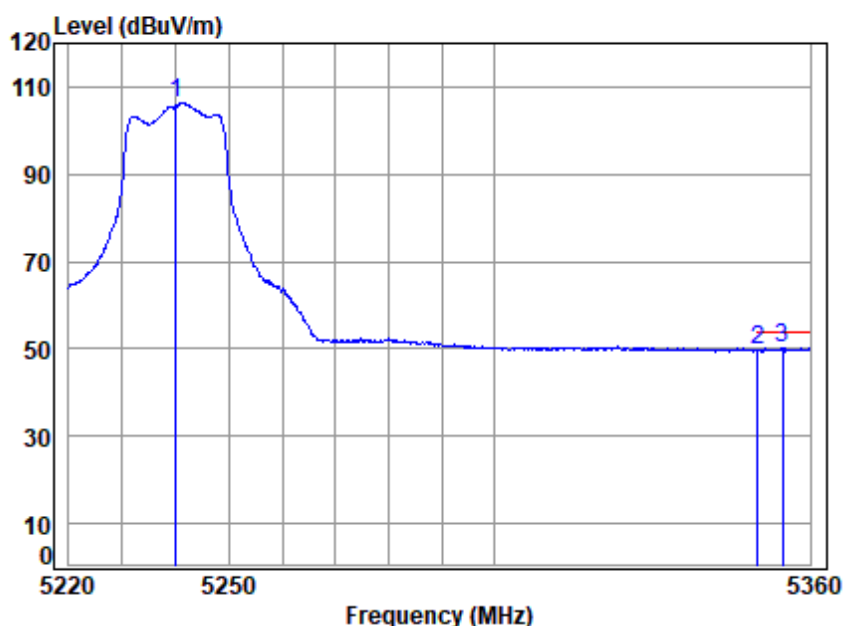


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Mode:c; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High

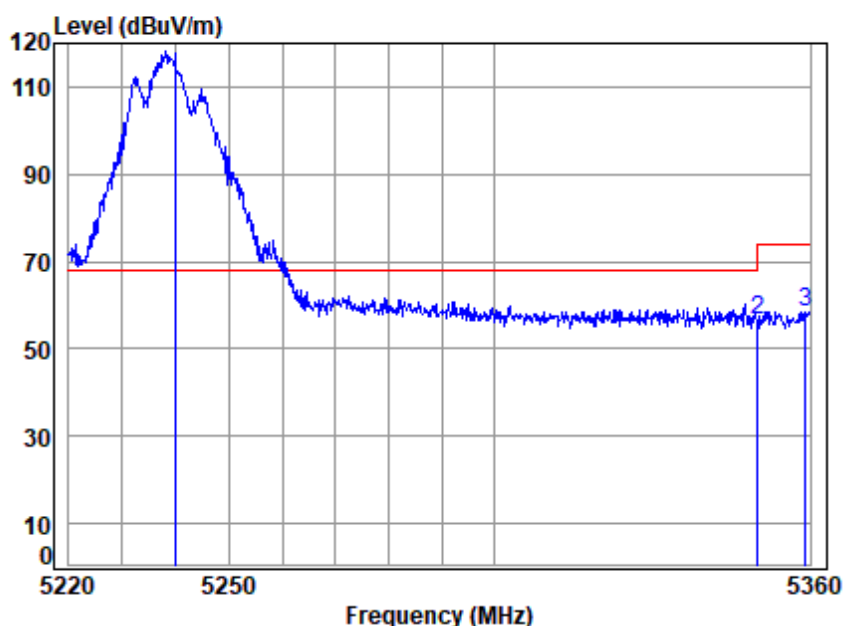


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5240.000 | 6.91  | 34.40  | 42.73  | 107.76 | 106.34 | -----  | ----- Average |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 50.77  | 49.67  | 54.00  | -4.33 Average |
| 3    | 5354.754 | 7.08  | 34.49  | 42.65  | 51.16  | 50.08  | 54.00  | -3.92 Average |



Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

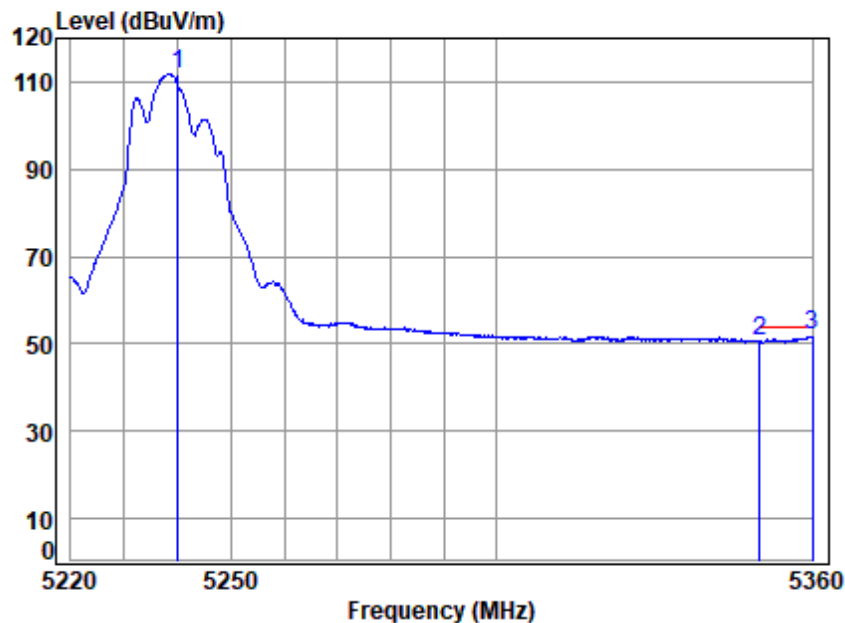
Mode : 5240 Band edge

: 5G WIFI 11A

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5240.000 | 6.91  | 34.40  | 42.73  | 119.38 | 117.96 | 68.20  | 49.76 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 57.51  | 56.41  | 74.00  | -17.59 peak  |
| 3    | 5359.149 | 7.08  | 34.49  | 42.65  | 59.69  | 58.61  | 74.00  | -15.39 peak  |



Mode:c; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High

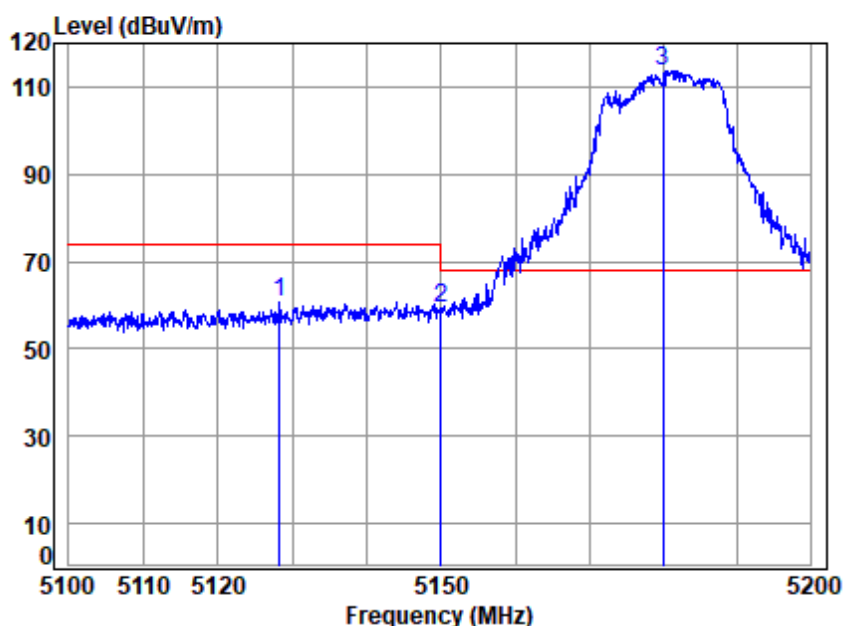


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11A

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5240.000 | 6.91  | 34.40  | 42.73  | 113.11 | 111.69 | -----  | ----- Average |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 51.63  | 50.53  | 54.00  | -3.47 Average |
| 3    | 5360.000 | 7.08  | 34.49  | 42.65  | 52.95  | 51.87  | 54.00  | -2.13 Average |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low

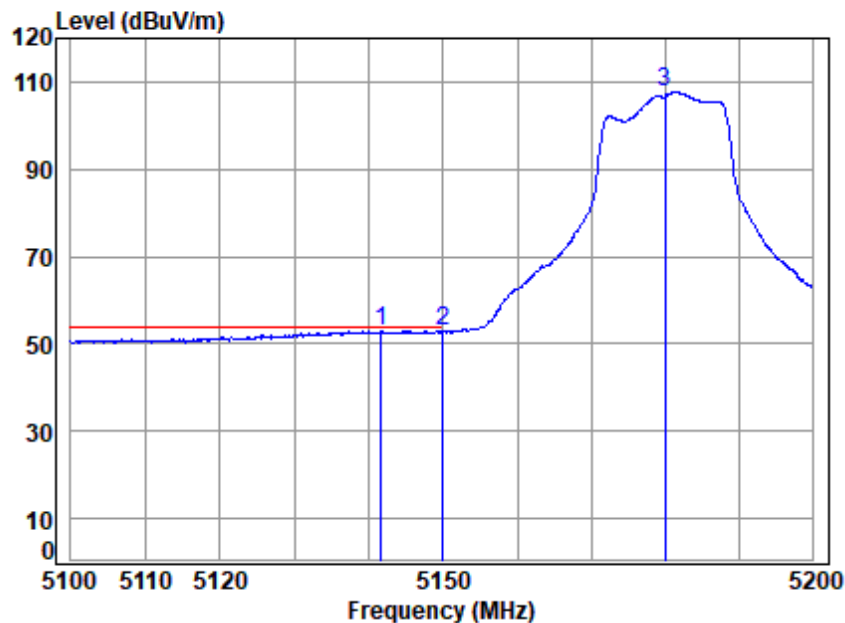


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11N20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5128.302 | 6.81  | 34.31  | 42.81  | 62.28  | 60.59  | 74.00  | -13.41 peak  |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 61.06  | 59.40  | 74.00  | -14.60 peak  |
| 3 *  | 5180.000 | 6.81  | 34.35  | 42.77  | 115.35 | 113.74 | 68.20  | 45.54 peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low

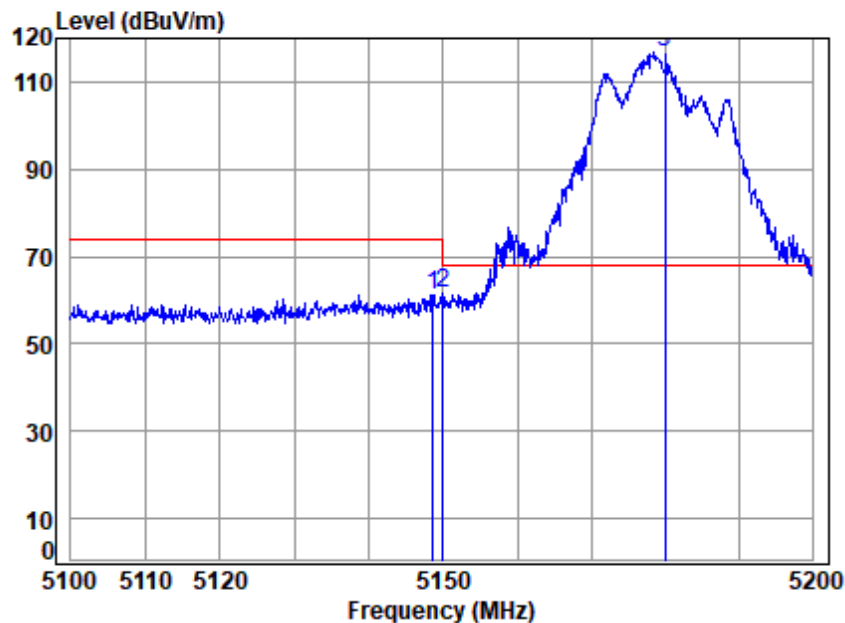


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11N20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark        |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5141.664 | 6.81  | 34.32  | 42.80  | 54.73  | 53.06  | 54.00  | -0.94 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 54.48  | 52.82  | 54.00  | -1.18 Average |
| 3    | 5180.000 | 6.81  | 34.35  | 42.77  | 109.23 | 107.62 | -----  | ----- Average |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

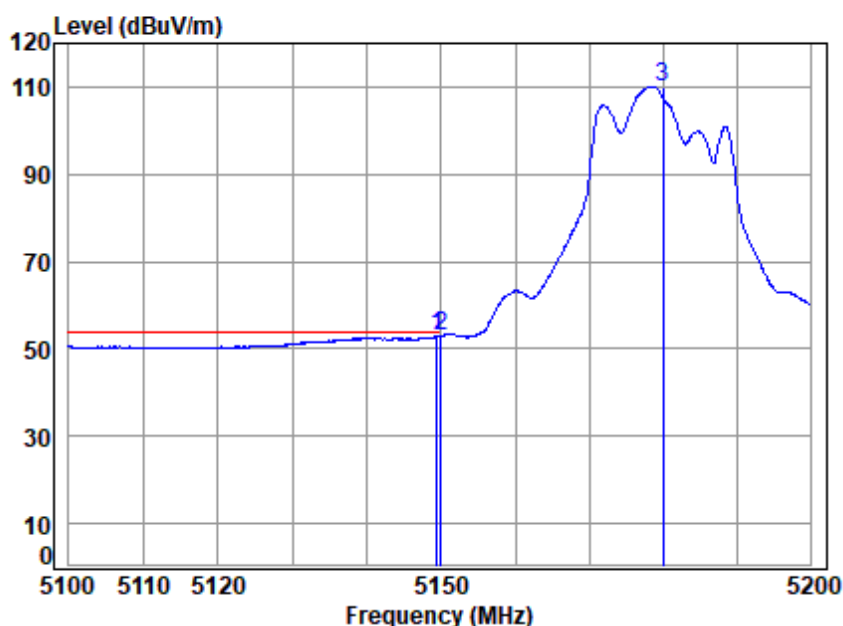
Mode : 5180 Band edge

: 5G WIFI 11N20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5148.657 | 6.81  | 34.32  | 42.79  | 62.73  | 61.07  | 74.00  | -12.93 peak  |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 63.24  | 61.58  | 74.00  | -12.42 peak  |
| 3 *  | 5180.000 | 6.81  | 34.35  | 42.77  | 118.19 | 116.58 | 68.20  | 48.38 peak   |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low

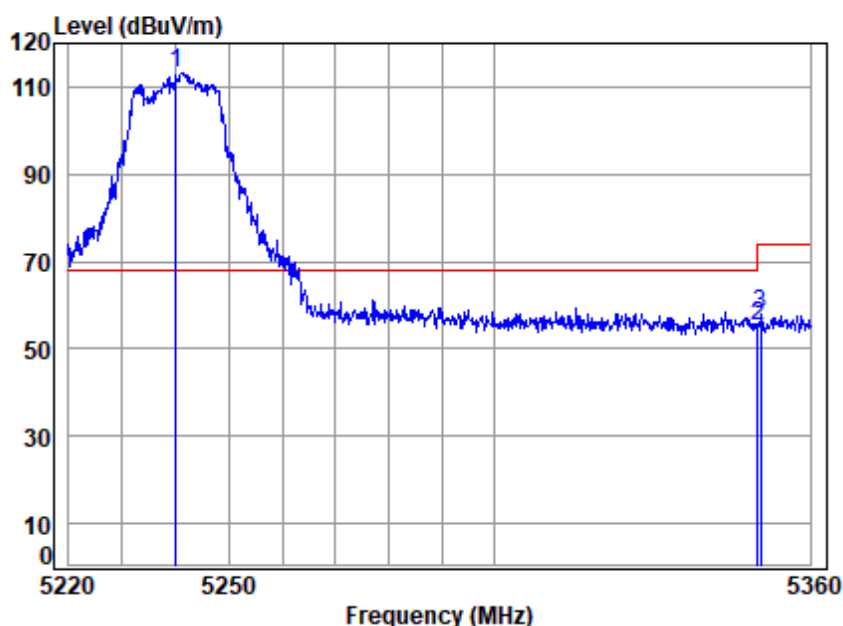


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11N20

|   |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|---|----------|-------|--------|--------|--------|--------|--------|---------------|
|   | Freq     | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark        |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1 | 5149.458 | 6.81  | 34.32  | 42.79  | 54.60  | 52.94  | 54.00  | -1.06 Average |
| 2 | 5149.980 | 6.81  | 34.32  | 42.79  | 54.77  | 53.11  | 54.00  | -0.89 Average |
| 3 | 5180.000 | 6.81  | 34.35  | 42.77  | 111.64 | 110.03 | -----  | ----- Average |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High

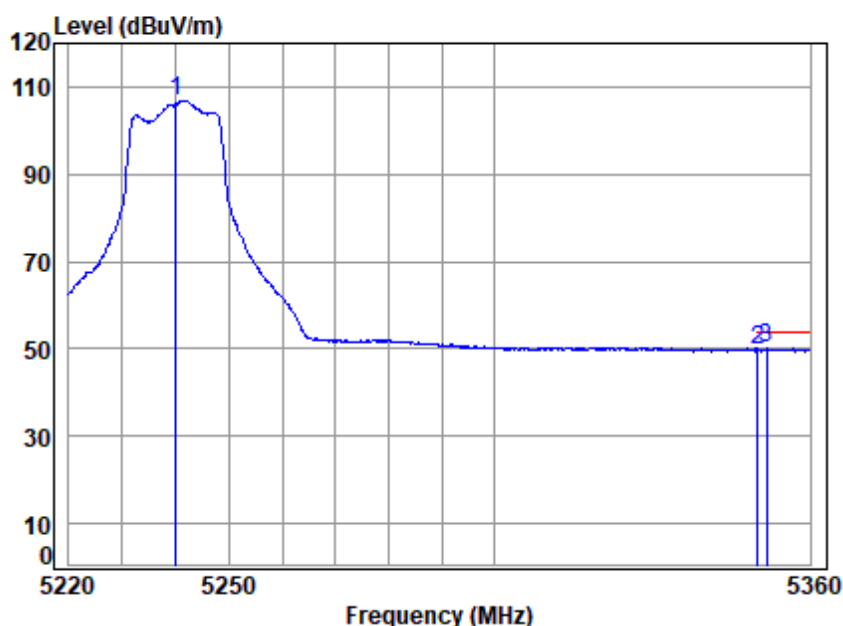


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5240.000 | 6.91  | 34.40  | 42.73  | 114.73 | 113.31 | 68.20  | 45.11 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 56.47  | 55.37  | 74.00  | -18.63 peak  |
| 3    | 5350.646 | 7.08  | 34.48  | 42.65  | 59.18  | 58.09  | 74.00  | -15.91 peak  |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

|   |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over  |         |
|---|----------|-------|--------|--------|--------|--------|--------|-------|---------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit | Remark  |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB    |         |
| 1 | 5240.000 | 6.91  | 34.40  | 42.73  | 108.26 | 106.84 | -----  | ----- | Average |
| 2 | 5350.020 | 7.08  | 34.48  | 42.66  | 50.71  | 49.61  | 54.00  | -4.39 | Average |
| 3 | 5351.637 | 7.08  | 34.49  | 42.65  | 51.11  | 50.03  | 54.00  | -3.97 | Average |

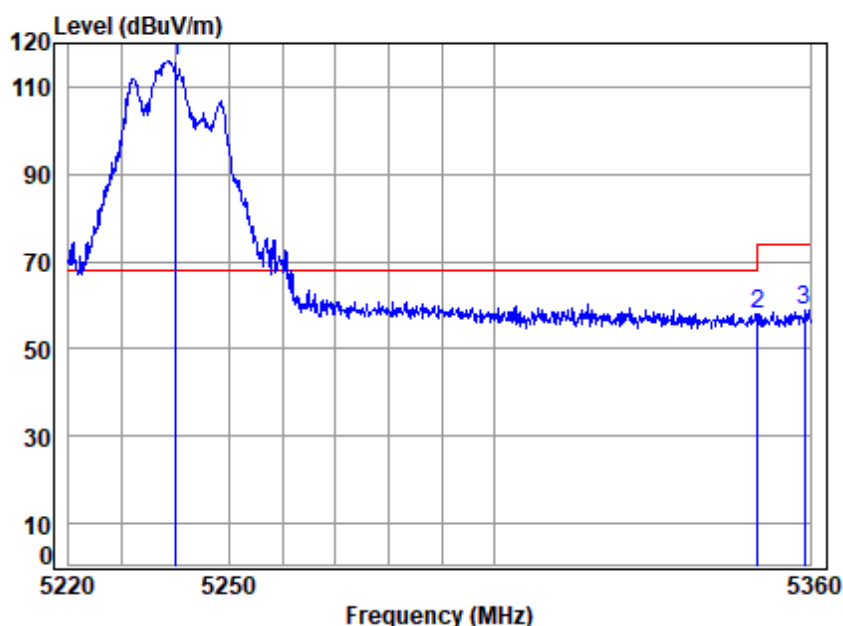


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Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

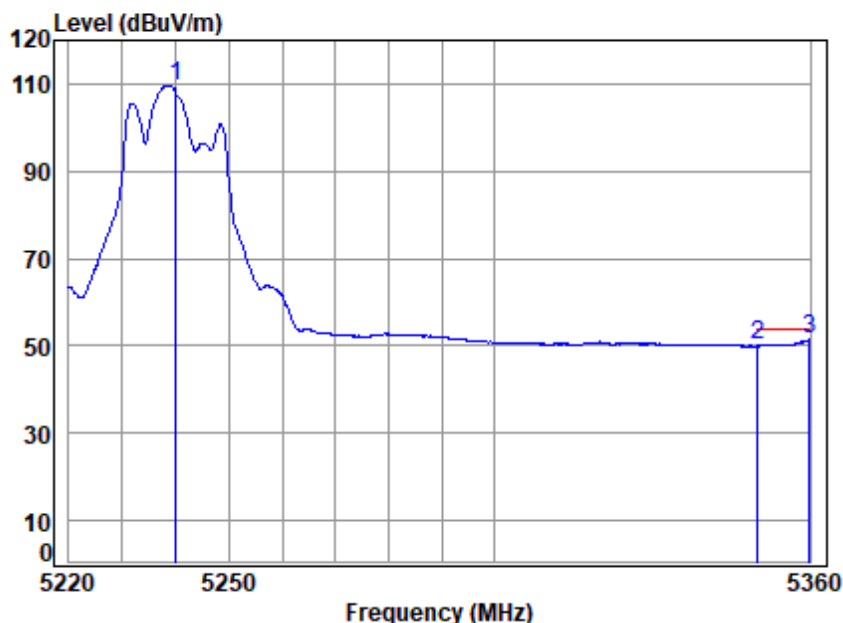
Mode : 5240 Band edge

: 5G WIFI 11N20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5240.000 | 6.91  | 34.40  | 42.73  | 117.54 | 116.12 | 68.20  | 47.92 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 59.00  | 57.90  | 74.00  | -16.10 peak  |
| 3    | 5359.007 | 7.08  | 34.49  | 42.65  | 59.93  | 58.85  | 74.00  | -15.15 peak  |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High

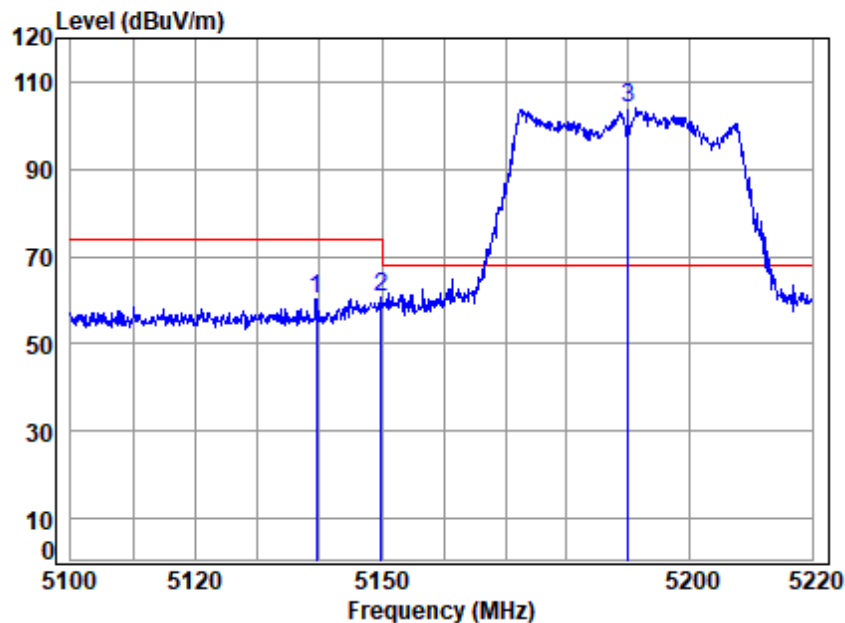


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11N20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5240.000 | 6.91  | 34.40  | 42.73  | 111.13 | 109.71 | -----  | ----- Average |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 51.11  | 50.01  | 54.00  | -3.99 Average |
| 3    | 5359.858 | 7.08  | 34.49  | 42.65  | 52.65  | 51.57  | 54.00  | -2.43 Average |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low

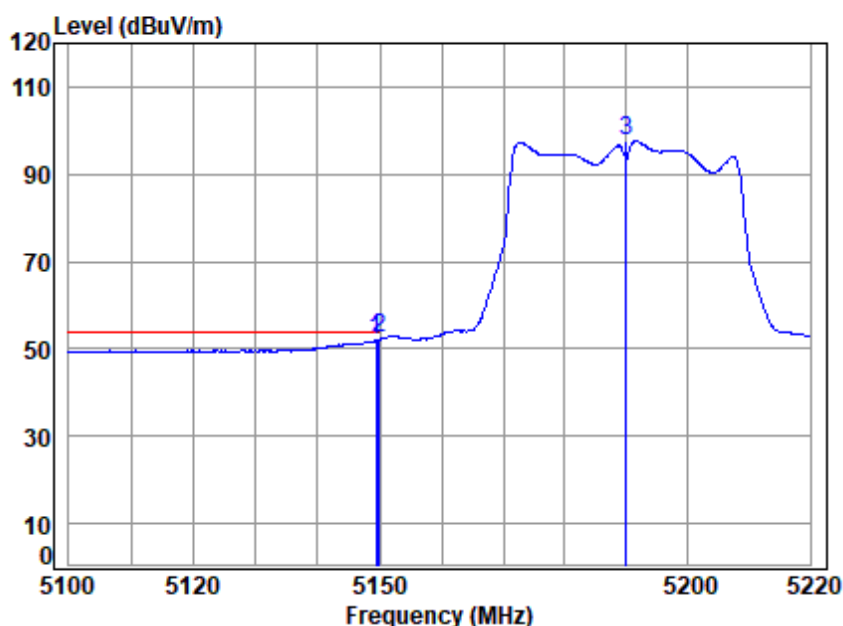


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5190 Band edge  
: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5139.412 | 6.81  | 34.32  | 42.80  | 61.82  | 60.15  | 74.00  | -13.85 peak  |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 62.29  | 60.63  | 74.00  | -13.37 peak  |
| 3 *  | 5190.000 | 6.81  | 34.36  | 42.77  | 105.54 | 103.94 | 68.20  | 35.74 peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low

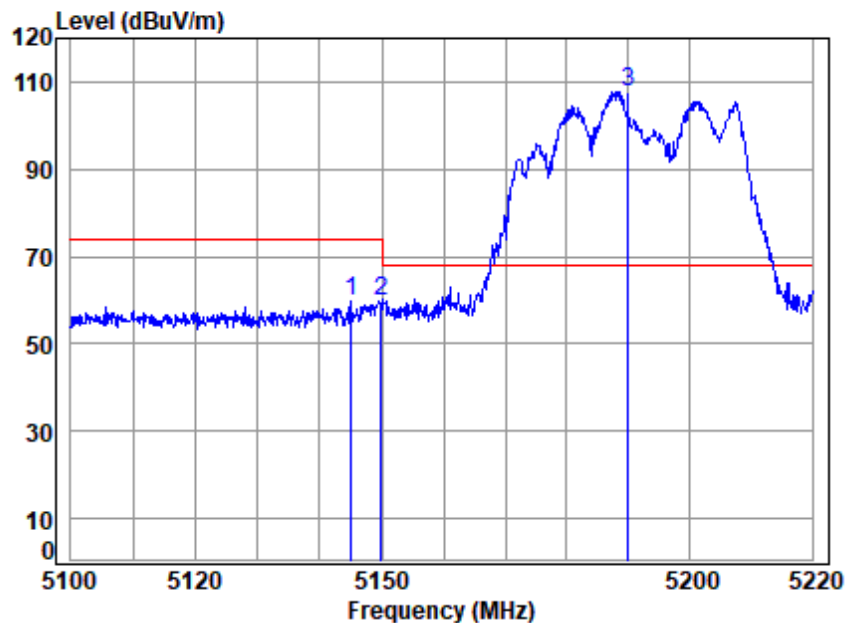


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5190 Band edge  
: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|------|----------|-------|--------|--------|-------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1    | 5149.461 | 6.81  | 34.32  | 42.79  | 53.61 | 51.95  | 54.00  | -2.05 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 54.00 | 52.34  | 54.00  | -1.66 Average |
| 3    | 5190.000 | 6.81  | 34.36  | 42.77  | 99.15 | 97.55  | -----  | ----- Average |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

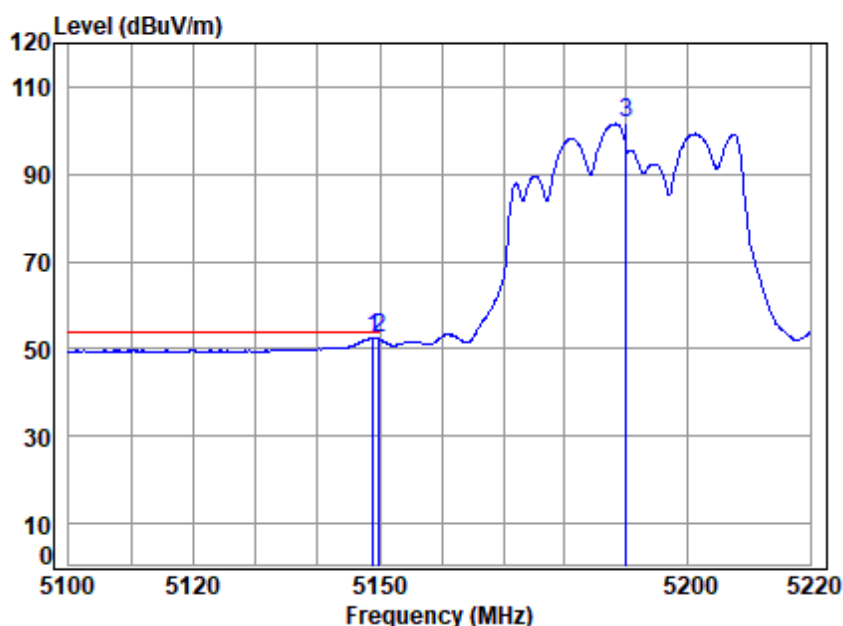
Mode : 5190 Band edge

: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |             |
|------|----------|-------|--------|--------|--------|--------|--------|-------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark      |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB          |
| 1    | 5145.032 | 6.81  | 34.32  | 42.80  | 61.23  | 59.56  | 74.00  | -14.44 peak |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 61.25  | 59.59  | 74.00  | -14.41 peak |
| 3 *  | 5190.000 | 6.81  | 34.36  | 42.77  | 109.46 | 107.86 | 68.20  | 39.66 peak  |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low

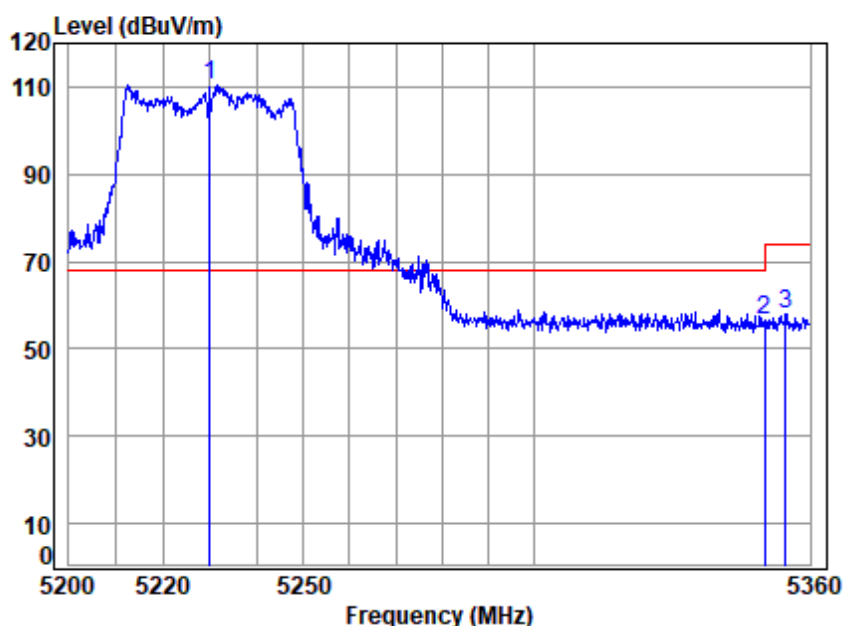


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5190 Band edge  
: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5148.982 | 6.81  | 34.32  | 42.79  | 54.11  | 52.45  | 54.00  | -1.55 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 53.97  | 52.31  | 54.00  | -1.69 Average |
| 3    | 5190.000 | 6.81  | 34.36  | 42.77  | 103.13 | 101.53 | -----  | ----- Average |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High

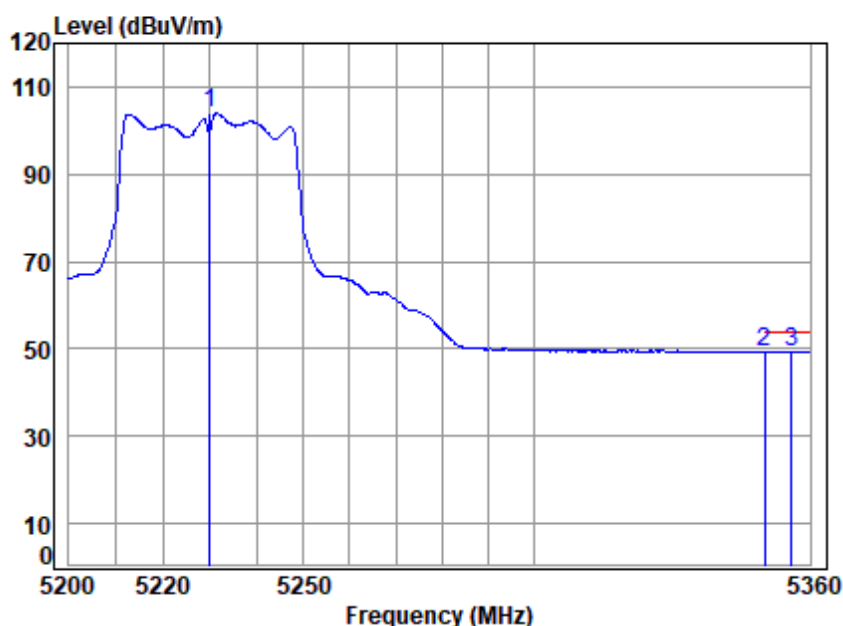


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5230 Band edge  
: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5230.000 | 6.89  | 34.39  | 42.74  | 112.01 | 110.55 | 68.20  | 42.35 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 57.45  | 56.35  | 74.00  | -17.65 peak  |
| 3    | 5354.642 | 7.08  | 34.49  | 42.65  | 58.90  | 57.82  | 74.00  | -16.18 peak  |



Mode:c; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5230 Band edge  
: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5230.000 | 6.89  | 34.39  | 42.74  | 105.31 | 103.85 | -----  | ----- Average |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 50.31  | 49.21  | 54.00  | -4.79 Average |
| 3    | 5355.940 | 7.08  | 34.49  | 42.65  | 50.45  | 49.37  | 54.00  | -4.63 Average |

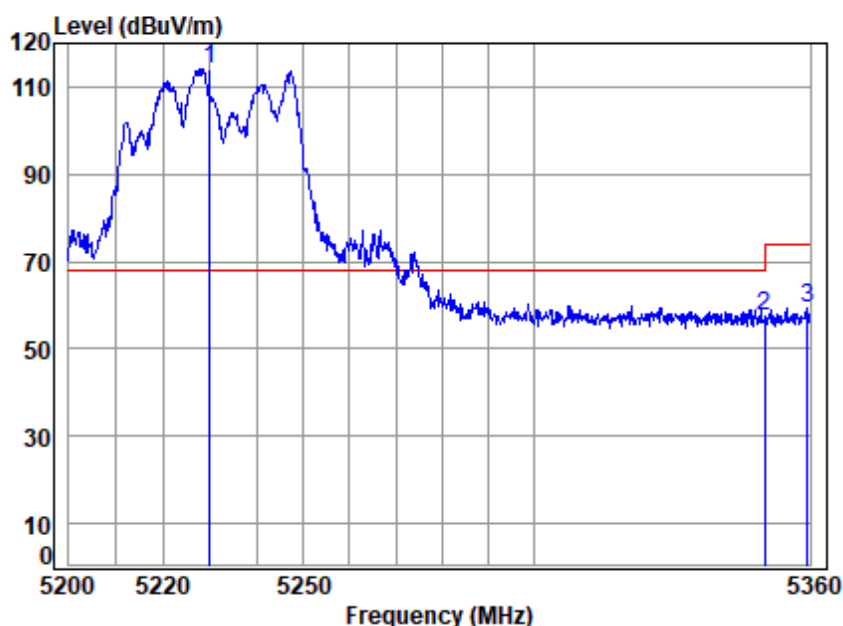


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Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

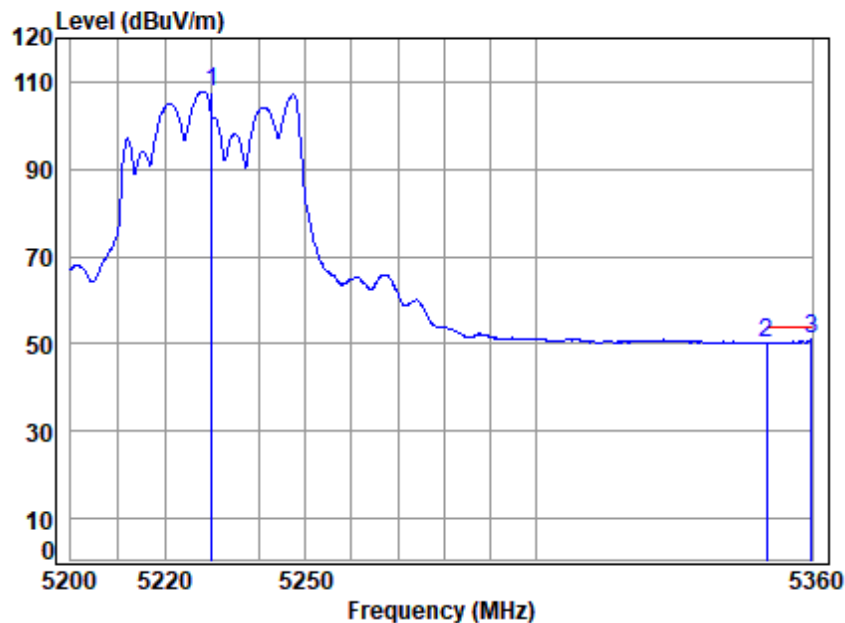
Mode : 5230 Band edge

: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5230.000 | 6.89  | 34.39  | 42.74  | 115.75 | 114.29 | 68.20  | 46.09 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 58.37  | 57.27  | 74.00  | -16.73 peak  |
| 3    | 5359.513 | 7.08  | 34.49  | 42.65  | 60.38  | 59.30  | 74.00  | -14.70 peak  |



Mode:c; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High

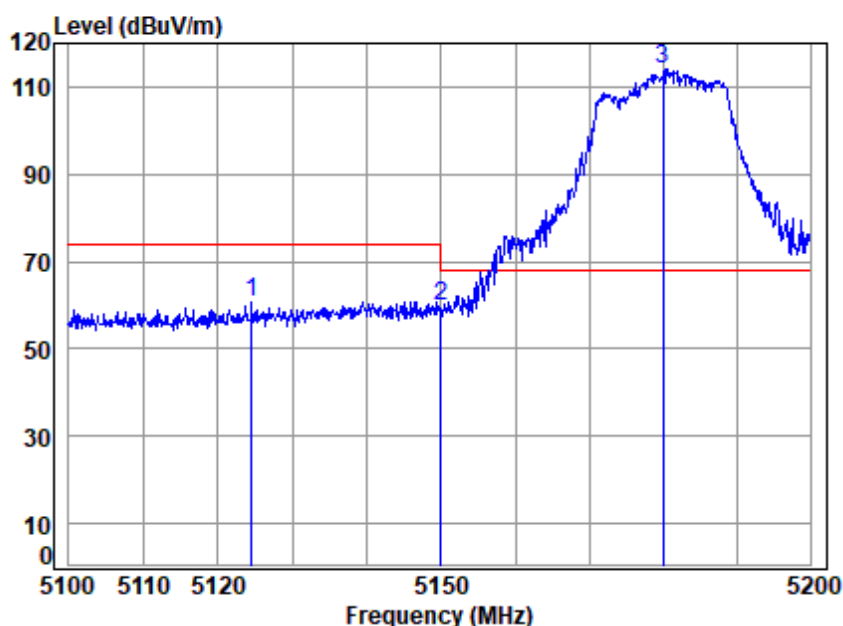


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5230 Band edge  
: 5G WIFI 11N40

|   |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|---|----------|-------|--------|--------|--------|--------|--------|---------------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1 | 5230.000 | 6.89  | 34.39  | 42.74  | 109.32 | 107.86 | -----  | ----- Average |
| 2 | 5350.020 | 7.08  | 34.48  | 42.66  | 51.31  | 50.21  | 54.00  | -3.79 Average |
| 3 | 5359.837 | 7.08  | 34.49  | 42.65  | 52.00  | 50.92  | 54.00  | -3.08 Average |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

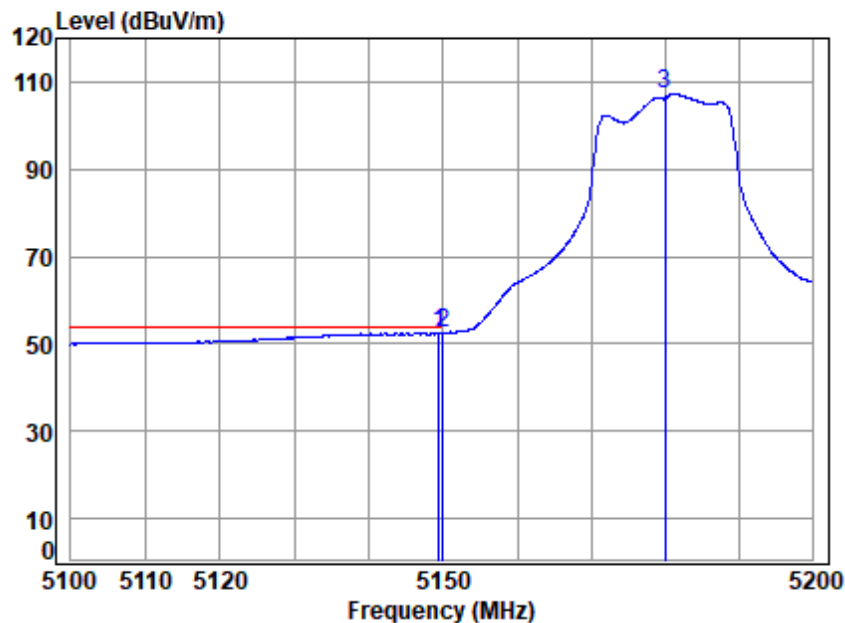


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5124.520 | 6.81  | 34.30  | 42.81  | 62.55  | 60.85  | 74.00  | -13.15 peak  |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 61.34  | 59.68  | 74.00  | -14.32 peak  |
| 3 *  | 5180.000 | 6.81  | 34.35  | 42.77  | 115.73 | 114.12 | 68.20  | 45.92 peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

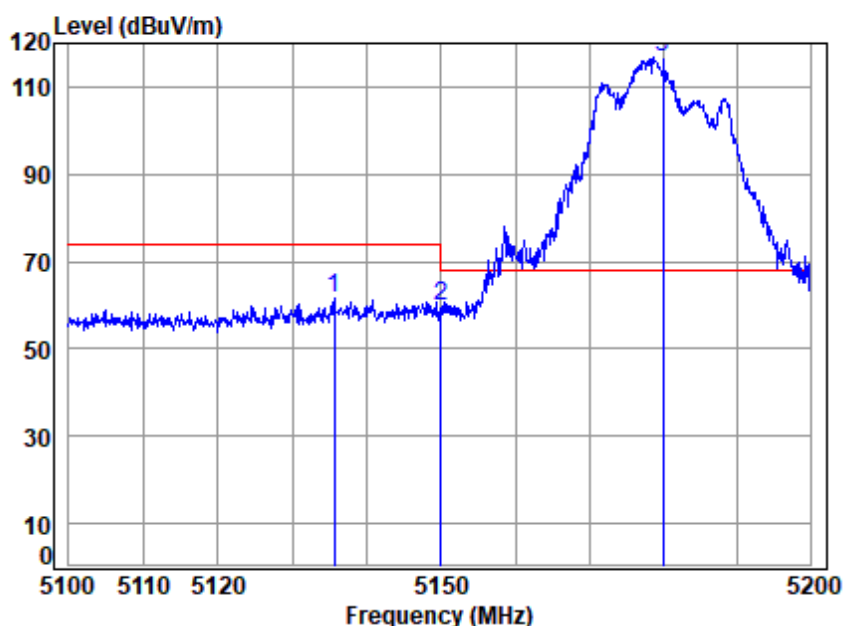


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5149.458 | 6.81  | 34.32  | 42.79  | 54.12  | 52.46  | 54.00  | -1.54 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 54.19  | 52.53  | 54.00  | -1.47 Average |
| 3    | 5180.000 | 6.81  | 34.35  | 42.77  | 108.94 | 107.33 | -----  | ----- Average |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

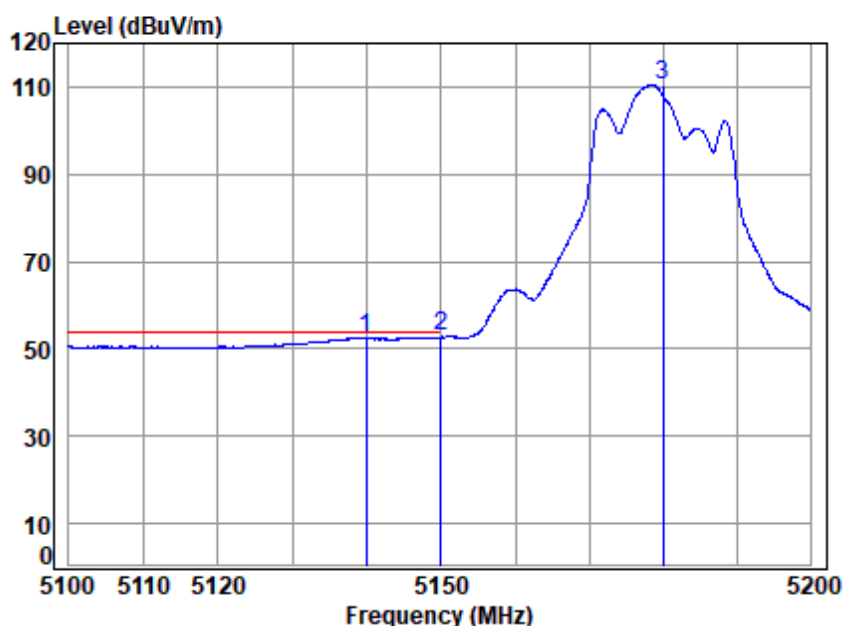


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5135.577 | 6.81  | 34.31  | 42.80  | 63.31  | 61.63  | 74.00  | -12.37 peak  |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 61.33  | 59.67  | 74.00  | -14.33 peak  |
| 3 *  | 5180.000 | 6.81  | 34.35  | 42.77  | 118.21 | 116.60 | 68.20  | 48.40 peak   |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

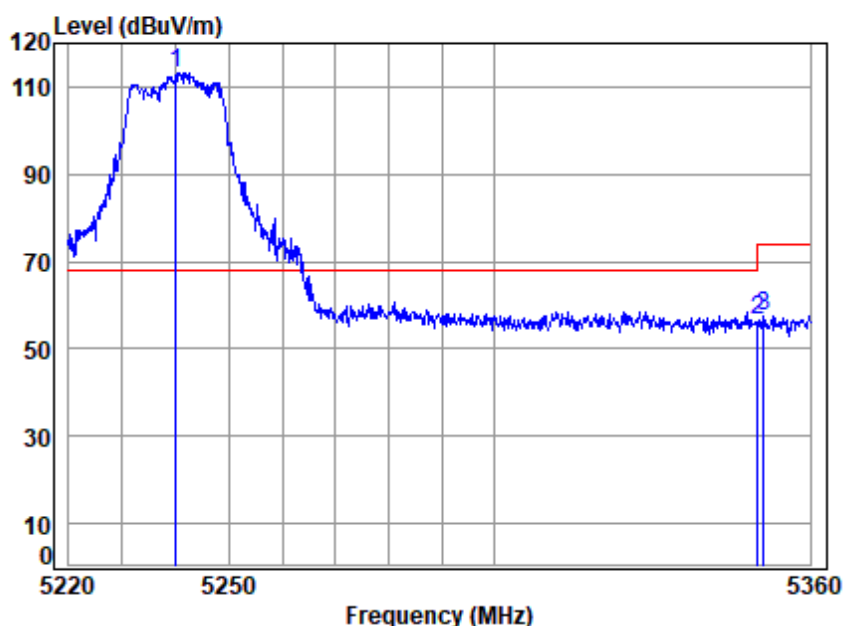


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5180 Band edge  
: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark        |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5139.867 | 6.81  | 34.32  | 42.80  | 54.32  | 52.65  | 54.00  | -1.35 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 54.39  | 52.73  | 54.00  | -1.27 Average |
| 3    | 5180.000 | 6.81  | 34.35  | 42.77  | 111.95 | 110.34 | -----  | ----- Average |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5240.000 | 6.91  | 34.40  | 42.73  | 114.76 | 113.34 | 68.20  | 45.14 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 57.82  | 56.72  | 74.00  | -17.28 peak  |
| 3    | 5351.212 | 7.08  | 34.48  | 42.65  | 58.59  | 57.50  | 74.00  | -16.50 peak  |

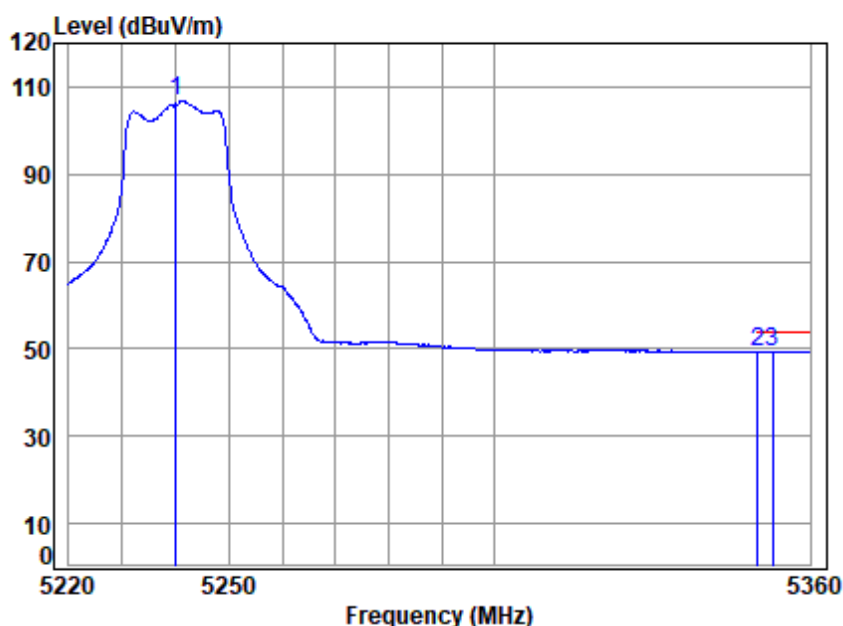


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Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High

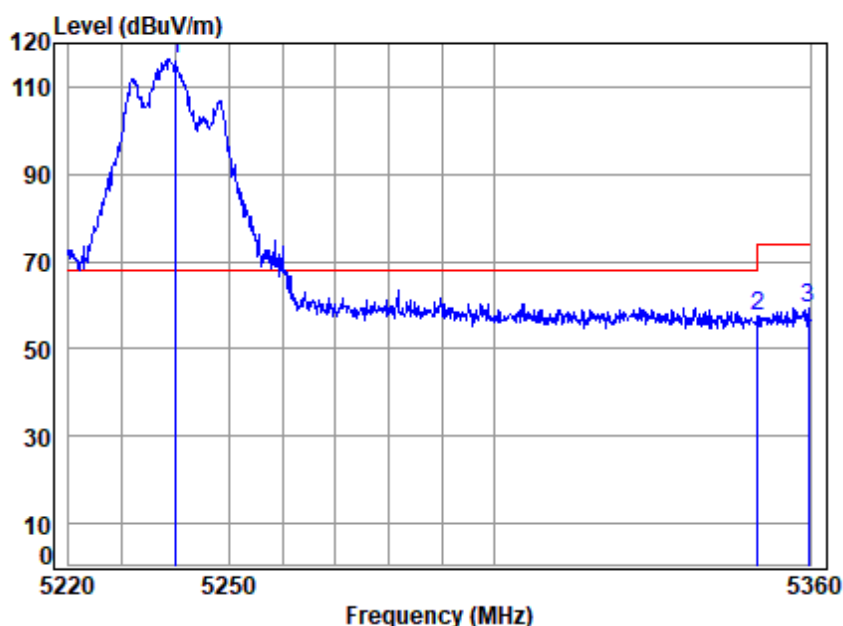


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5240.000 | 6.91  | 34.40  | 42.73  | 108.16 | 106.74 | -----  | ----- Average |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 50.30  | 49.20  | 54.00  | -4.80 Average |
| 3    | 5352.912 | 7.08  | 34.49  | 42.65  | 50.51  | 49.43  | 54.00  | -4.57 Average |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

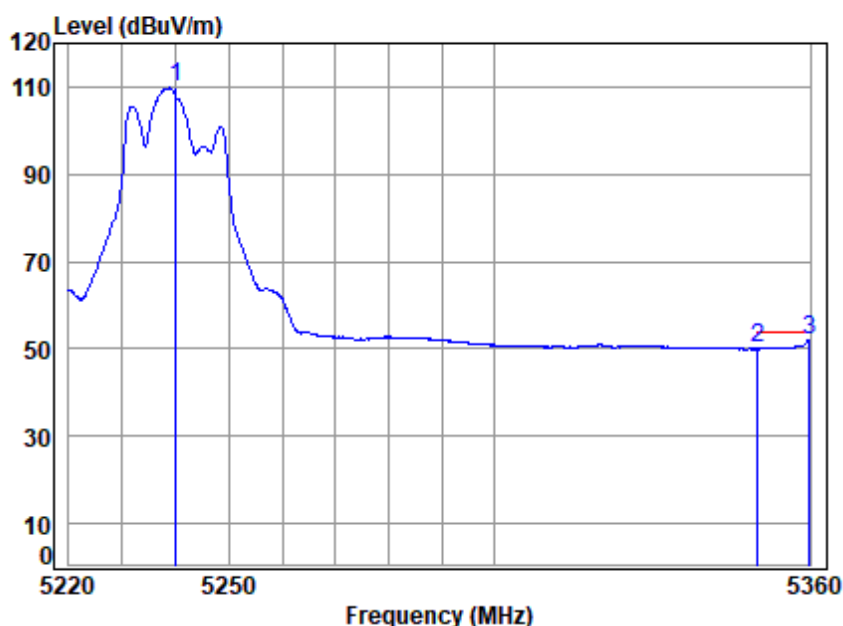
Mode : 5240 Band edge

: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5240.000 | 6.91  | 34.40  | 42.73  | 117.72 | 116.30 | 68.20  | 48.10 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 58.48  | 57.38  | 74.00  | -16.62 peak  |
| 3    | 5359.716 | 7.08  | 34.49  | 42.65  | 60.60  | 59.52  | 74.00  | -14.48 peak  |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High

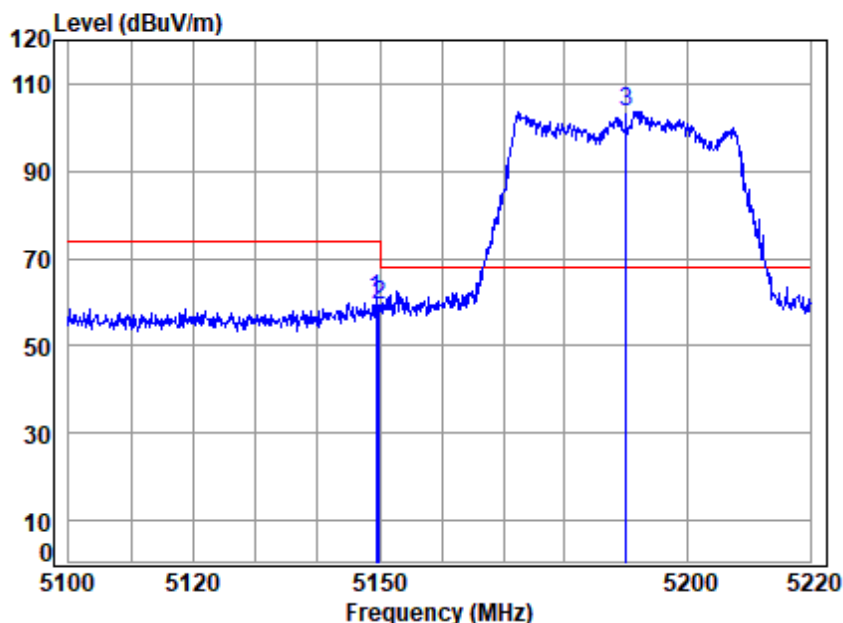


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5240 Band edge  
: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5240.000 | 6.91  | 34.40  | 42.73  | 111.17 | 109.75 | -----  | ----- Average |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 51.12  | 50.02  | 54.00  | -3.98 Average |
| 3    | 5359.858 | 7.08  | 34.49  | 42.65  | 52.96  | 51.88  | 54.00  | -2.12 Average |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

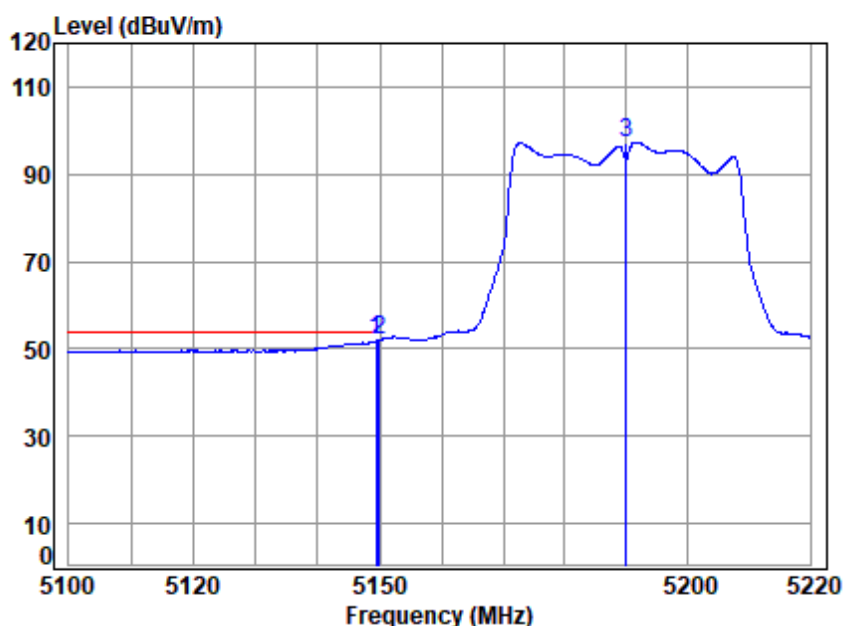


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5190 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |             |
|------|----------|-------|--------|--------|--------|--------|--------|-------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark      |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB          |
| 1    | 5149.461 | 6.81  | 34.32  | 42.79  | 62.56  | 60.90  | 74.00  | -13.10 peak |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 61.10  | 59.44  | 74.00  | -14.56 peak |
| 3 *  | 5190.000 | 6.81  | 34.36  | 42.77  | 105.32 | 103.72 | 68.20  | 35.52 peak  |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

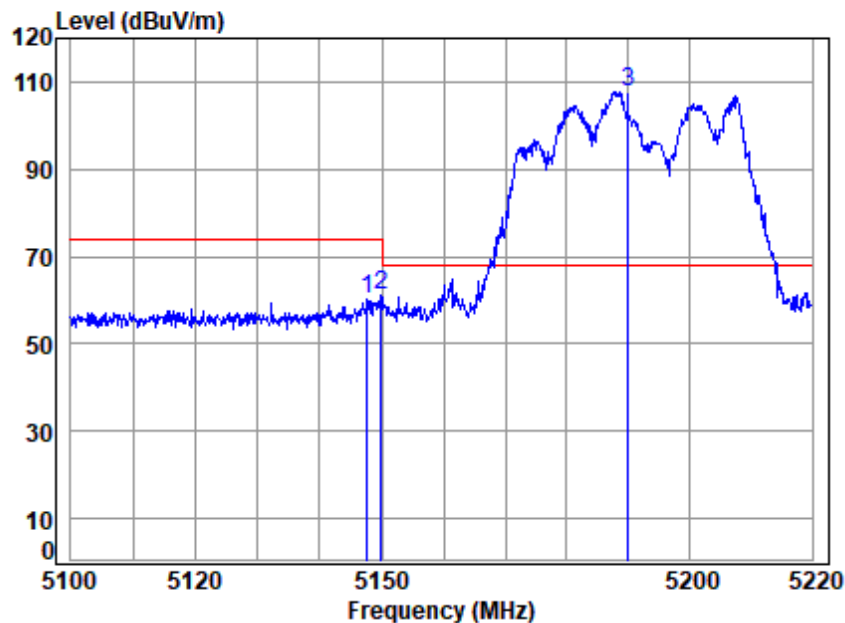


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5190 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read  | Limit  | Over   |               |
|------|----------|-------|--------|--------|-------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level | Line   | Limit  | Remark        |
|      | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB            |
| 1    | 5149.461 | 6.81  | 34.32  | 42.79  | 53.46 | 51.80  | 54.00  | -2.20 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 53.80 | 52.14  | 54.00  | -1.86 Average |
| 3    | 5190.000 | 6.81  | 34.36  | 42.77  | 99.01 | 97.41  | -----  | ----- Average |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

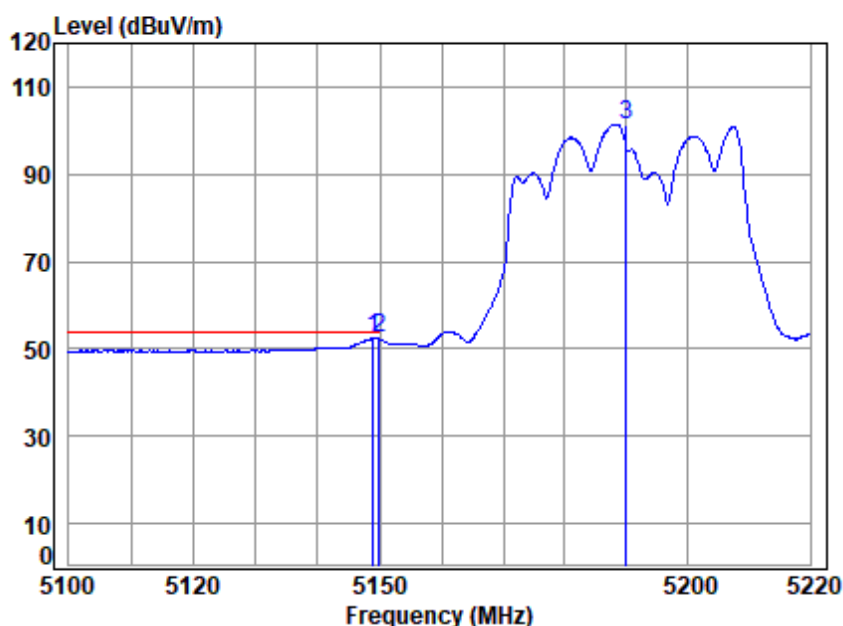


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5190 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |             |
|------|----------|-------|--------|--------|--------|--------|--------|-------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark      |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB          |
| 1    | 5147.666 | 6.81  | 34.32  | 42.79  | 61.68  | 60.02  | 74.00  | -13.98 peak |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 62.69  | 61.03  | 74.00  | -12.97 peak |
| 3 *  | 5190.000 | 6.81  | 34.36  | 42.77  | 109.26 | 107.66 | 68.20  | 39.46 peak  |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

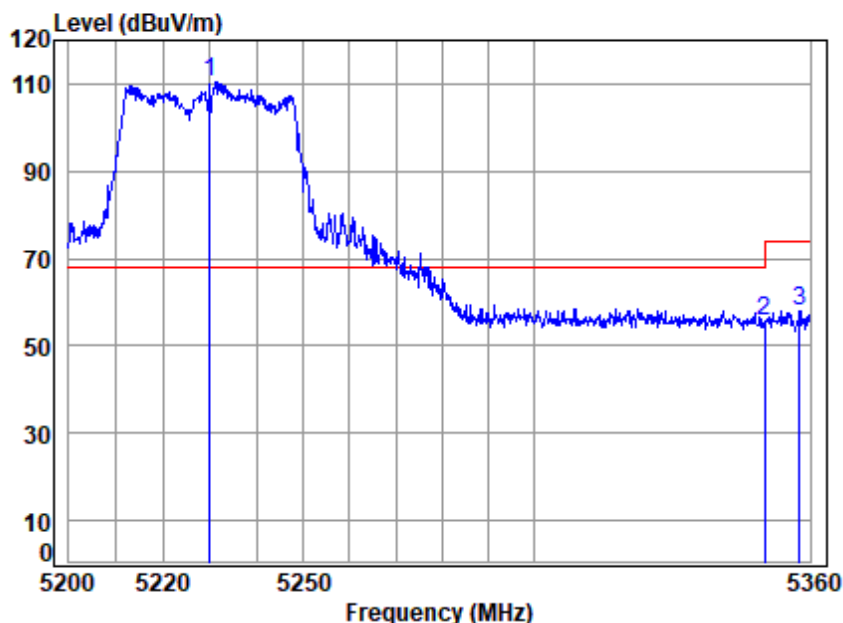


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5190 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Line   | Limit  | Remark        |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5148.982 | 6.81  | 34.32  | 42.79  | 54.12  | 52.46  | 54.00  | -1.54 Average |
| 2    | 5149.980 | 6.81  | 34.32  | 42.79  | 53.93  | 52.27  | 54.00  | -1.73 Average |
| 3    | 5190.000 | 6.81  | 34.36  | 42.77  | 102.99 | 101.39 | -----  | ----- Average |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High

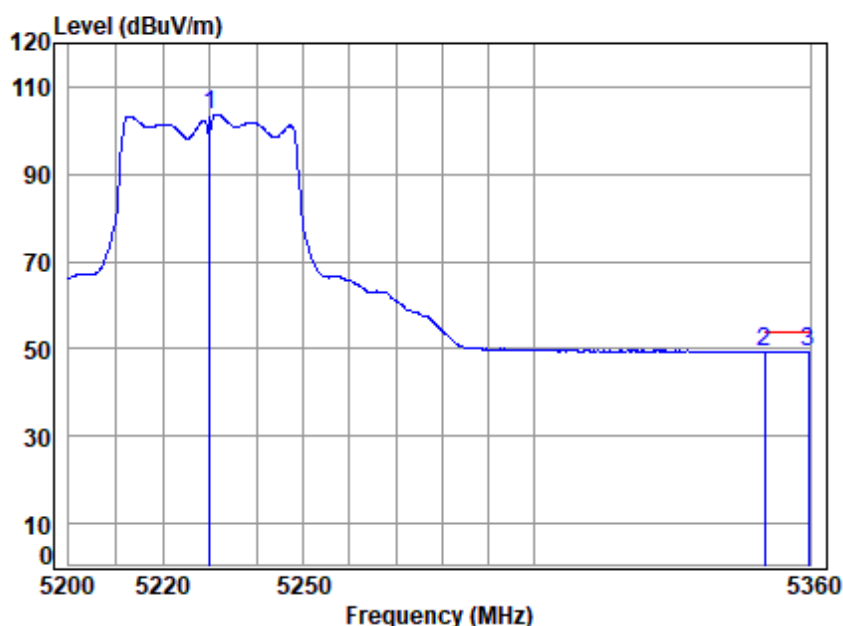


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5230 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|------|----------|-------|--------|--------|--------|--------|--------|--------|--------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1 *  | 5230.000 | 6.89  | 34.39  | 42.74  | 111.99 | 110.53 | 68.20  | 42.33  | peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 56.59  | 55.49  | 74.00  | -18.51 | peak   |
| 3    | 5357.727 | 7.08  | 34.49  | 42.65  | 59.13  | 58.05  | 74.00  | -15.95 | peak   |



Mode:c; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High

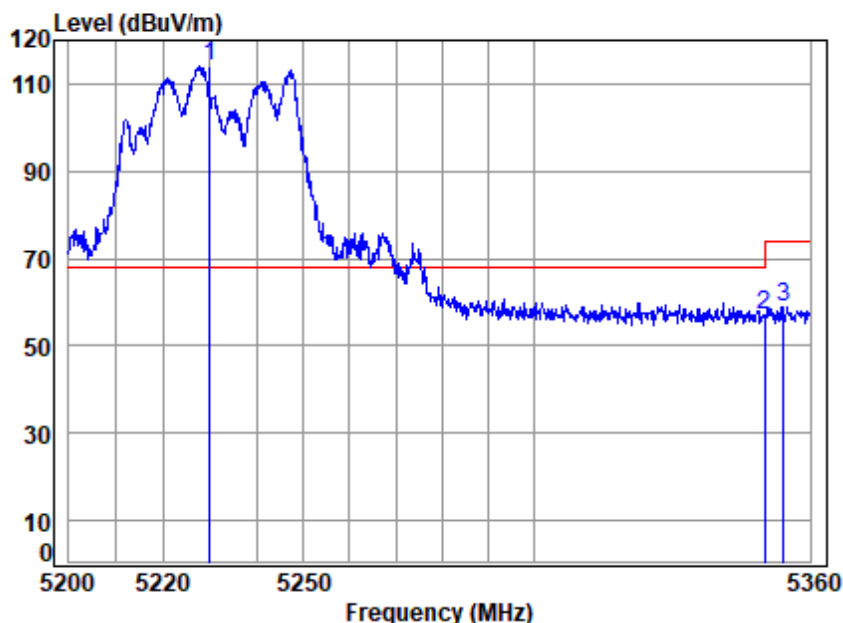


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5230 Band edge  
: 5G WIFI 11AC40

|   |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|---|----------|-------|--------|--------|--------|--------|--------|---------------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1 | 5230.000 | 6.89  | 34.39  | 42.74  | 105.25 | 103.79 | -----  | ----- Average |
| 2 | 5350.020 | 7.08  | 34.48  | 42.66  | 50.45  | 49.35  | 54.00  | -4.65 Average |
| 3 | 5359.675 | 7.08  | 34.49  | 42.65  | 50.48  | 49.40  | 54.00  | -4.60 Average |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High

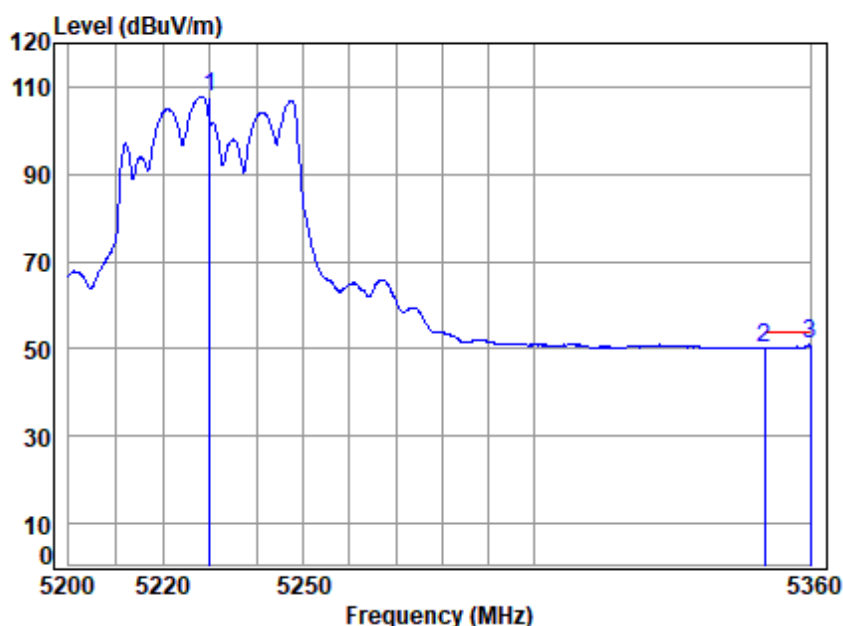


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5230 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 *  | 5230.000 | 6.89  | 34.39  | 42.74  | 115.42 | 113.96 | 68.20  | 45.76 peak   |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 58.19  | 57.09  | 74.00  | -16.91 peak  |
| 3    | 5354.155 | 7.08  | 34.49  | 42.65  | 60.10  | 59.02  | 74.00  | -14.98 peak  |



Mode:c; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High

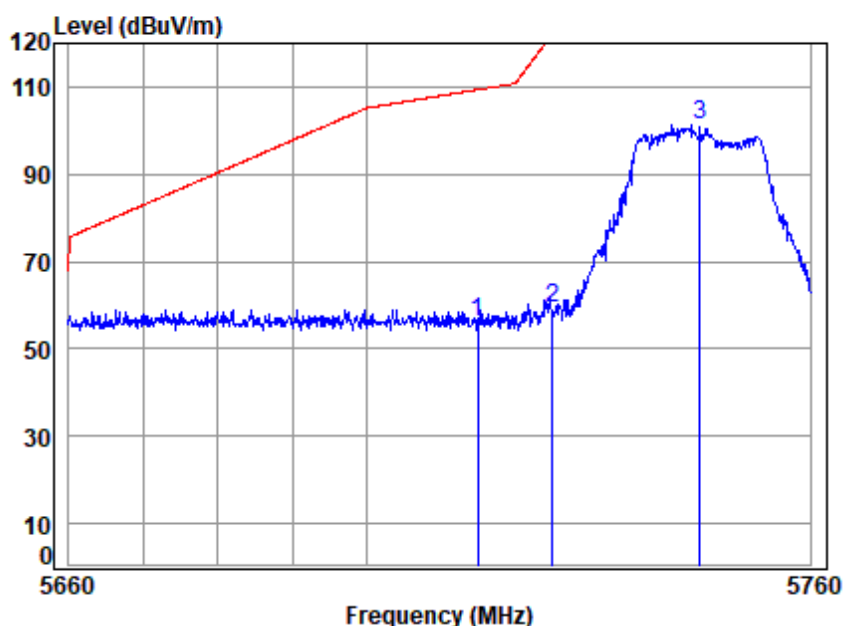


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5230 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |               |
|------|----------|-------|--------|--------|--------|--------|--------|---------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark  |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB            |
| 1    | 5230.000 | 6.89  | 34.39  | 42.74  | 109.19 | 107.73 | -----  | ----- Average |
| 2    | 5350.020 | 7.08  | 34.48  | 42.66  | 51.46  | 50.36  | 54.00  | -3.64 Average |
| 3    | 5360.000 | 7.08  | 34.49  | 42.65  | 52.04  | 50.96  | 54.00  | -3.04 Average |



Mode:d; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:Low

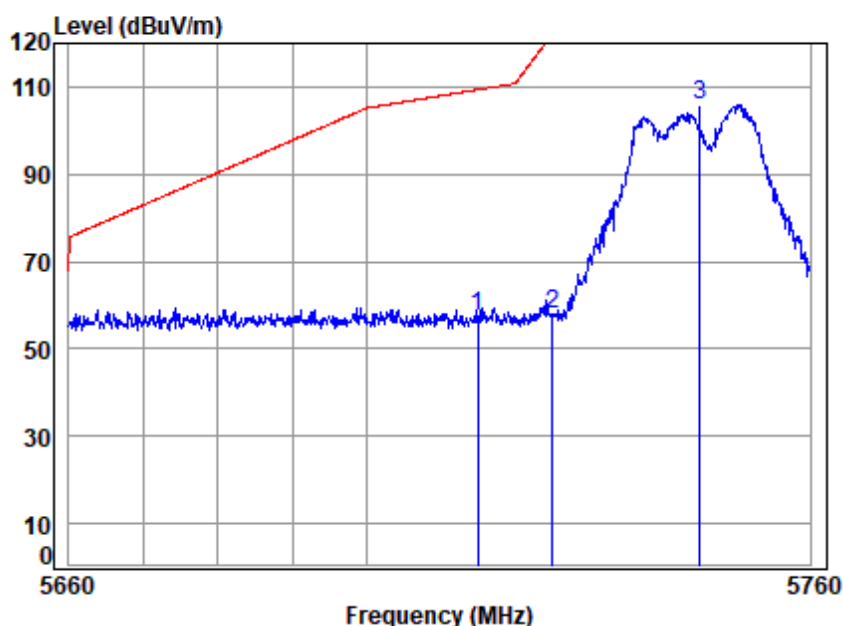


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5745 Band edge  
: 5G WIFI 11A

|   |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|---|----------|-------|--------|--------|--------|--------|--------|--------------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 | 5715.000 | 7.22  | 34.82  | 42.42  | 56.33  | 55.95  | 109.40 | -53.45 peak  |
| 2 | 5725.000 | 7.19  | 34.83  | 42.41  | 59.68  | 59.29  | 122.20 | -62.91 peak  |
| 3 | 5745.000 | 7.14  | 34.85  | 42.40  | 101.60 | 101.19 | 125.20 | -24.01 peak  |



Mode:d; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:Low

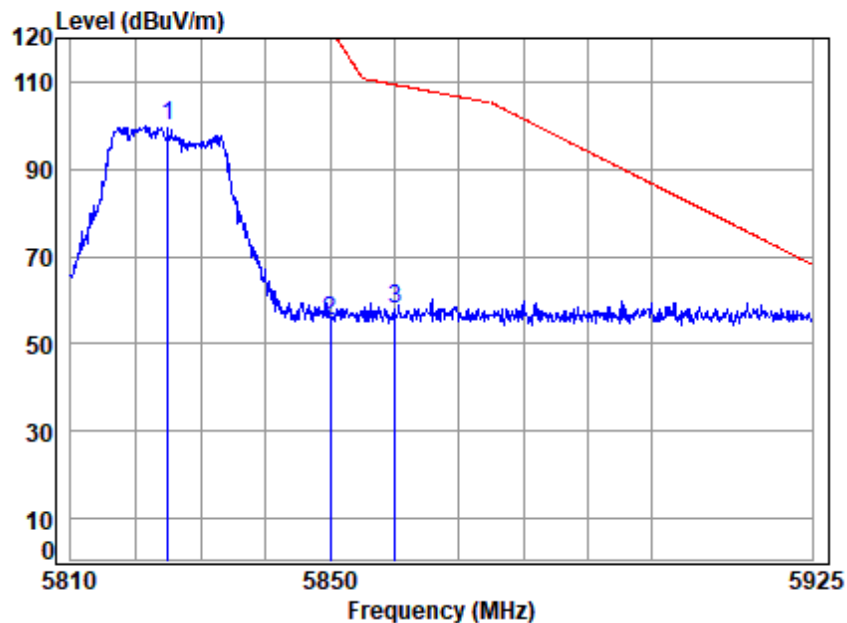


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5745 Band edge  
: 5G WIFI 11A

|   |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|---|----------|-------|--------|--------|--------|--------|--------|--------|--------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1 | 5715.000 | 7.22  | 34.82  | 42.42  | 57.97  | 57.59  | 109.40 | -51.81 | peak   |
| 2 | 5725.000 | 7.19  | 34.83  | 42.41  | 58.53  | 58.14  | 122.20 | -64.06 | peak   |
| 3 | 5745.000 | 7.14  | 34.85  | 42.40  | 106.23 | 105.82 | 125.20 | -19.38 | peak   |



Mode:d; Polarization:Horizontal; Modulation:802.11a; bandwidth:20MHz; Channel:High

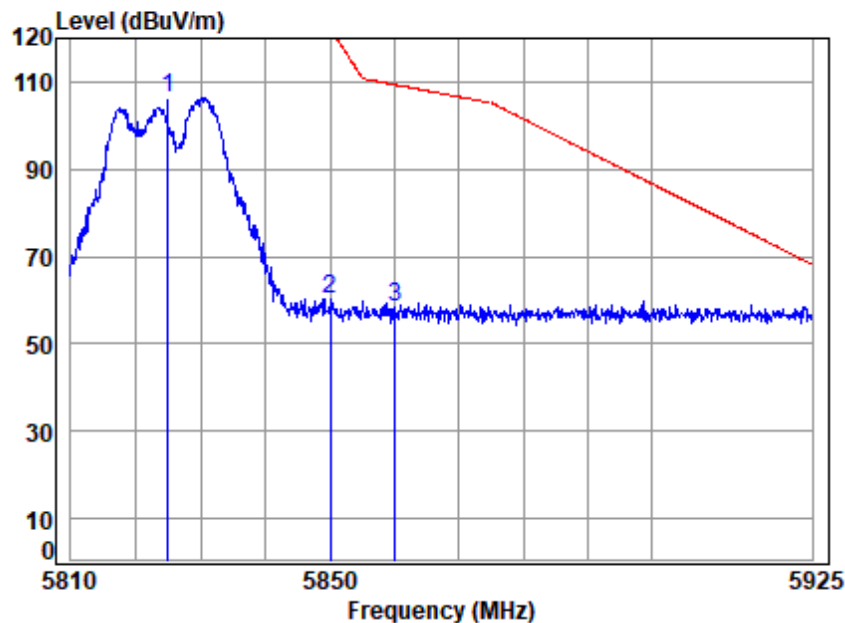


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5825 Band edge  
: 5G WIFI 11A

|   |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|---|----------|-------|--------|--------|--------|--------|--------|--------|--------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1 | 5825.000 | 7.03  | 34.93  | 42.35  | 100.18 | 99.79  | 125.20 | -25.41 | peak   |
| 2 | 5850.000 | 7.06  | 34.95  | 42.33  | 55.72  | 55.40  | 122.20 | -66.80 | peak   |
| 3 | 5860.000 | 7.07  | 34.96  | 42.33  | 58.03  | 57.73  | 109.40 | -51.67 | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11a; bandwidth:20MHz; Channel:High

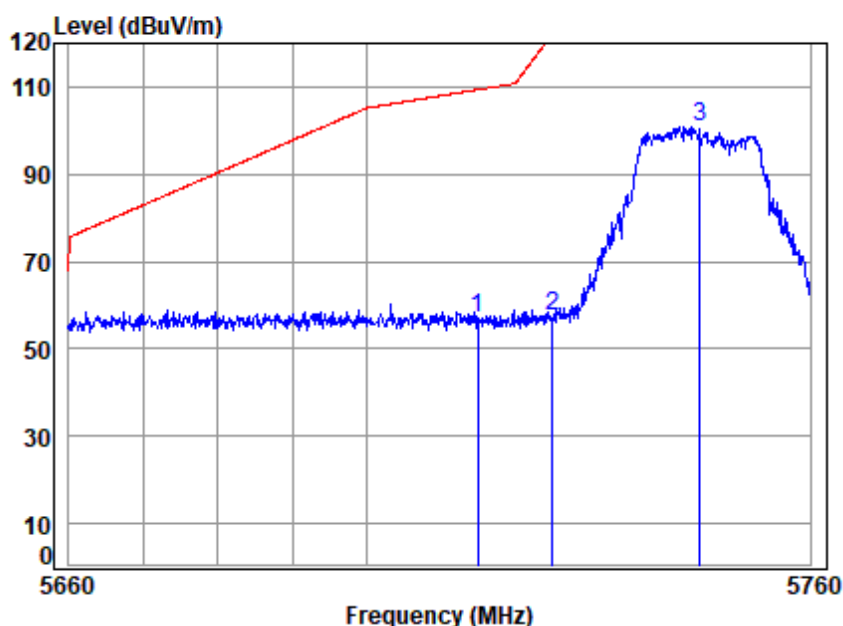


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5825 Band edge  
: 5G WIFI 11A

|   |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|---|----------|-------|--------|--------|--------|--------|--------|--------|--------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1 | 5825.000 | 7.03  | 34.93  | 42.35  | 106.85 | 106.46 | 125.20 | -18.74 | peak   |
| 2 | 5850.000 | 7.06  | 34.95  | 42.33  | 60.57  | 60.25  | 122.20 | -61.95 | peak   |
| 3 | 5860.000 | 7.07  | 34.96  | 42.33  | 58.59  | 58.29  | 109.40 | -51.11 | peak   |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:Low

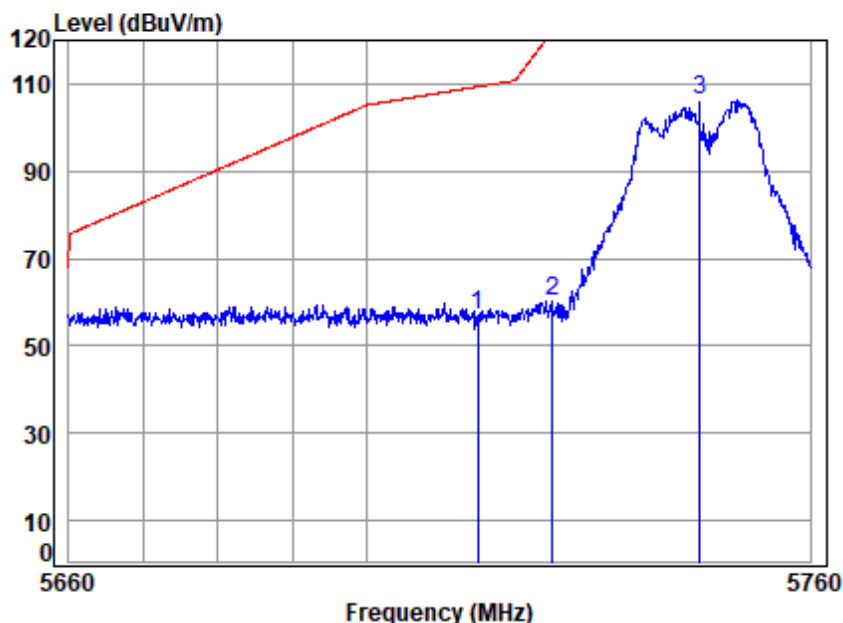


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5745 Band edge  
: 5G WIFI 11N20

|   |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|---|----------|-------|--------|--------|--------|--------|--------|--------------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 | 5715.000 | 7.22  | 34.82  | 42.42  | 57.55  | 57.17  | 109.40 | -52.23 peak  |
| 2 | 5725.000 | 7.19  | 34.83  | 42.41  | 57.81  | 57.42  | 122.20 | -64.78 peak  |
| 3 | 5745.000 | 7.14  | 34.85  | 42.40  | 101.13 | 100.72 | 125.20 | -24.48 peak  |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:Low

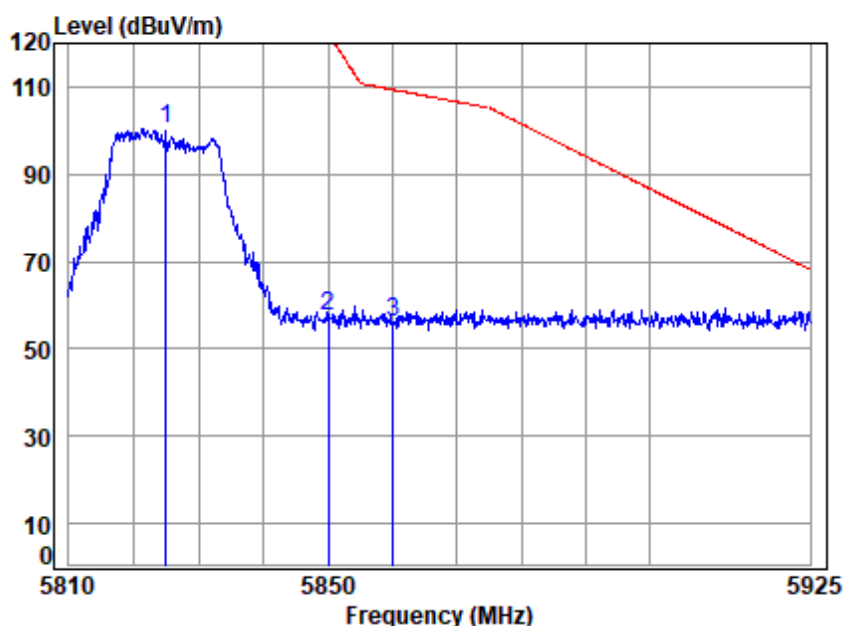


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5745 Band edge  
: 5G WIFI 11N20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5715.000 | 7.22  | 34.82  | 42.42  | 57.20  | 56.82  | 109.40 | -52.58 peak  |
| 2    | 5725.000 | 7.19  | 34.83  | 42.41  | 60.71  | 60.32  | 122.20 | -61.88 peak  |
| 3    | 5745.000 | 7.14  | 34.85  | 42.40  | 106.52 | 106.11 | 125.20 | -19.09 peak  |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:20MHz; Channel:High

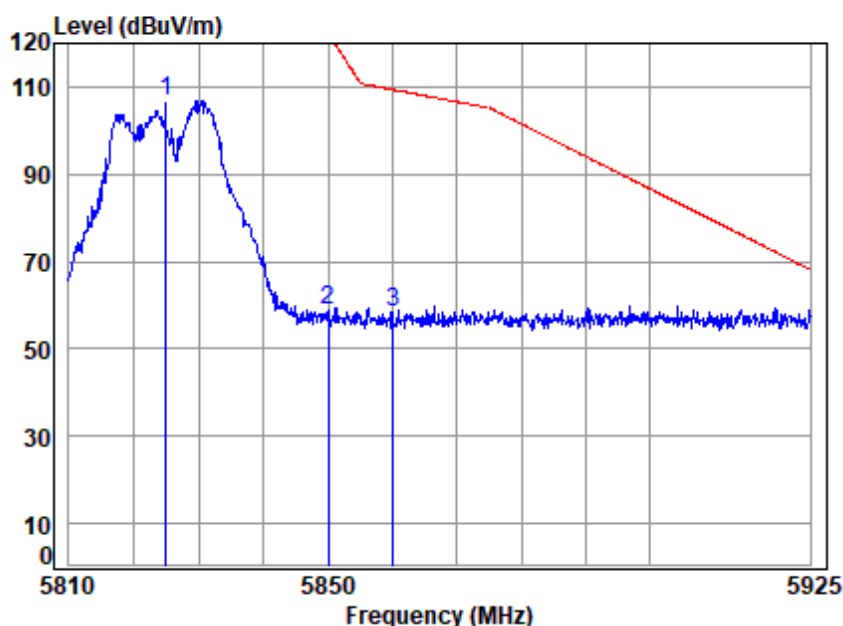


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5825 Band edge  
: 5G WIFI 11N20

|   |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|---|----------|-------|--------|--------|--------|--------|--------|--------|--------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1 | 5825.000 | 7.03  | 34.93  | 42.35  | 100.85 | 100.46 | 125.20 | -24.74 | peak   |
| 2 | 5850.000 | 7.06  | 34.95  | 42.33  | 57.63  | 57.31  | 122.20 | -64.89 | peak   |
| 3 | 5860.000 | 7.07  | 34.96  | 42.33  | 56.56  | 56.26  | 109.40 | -53.14 | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

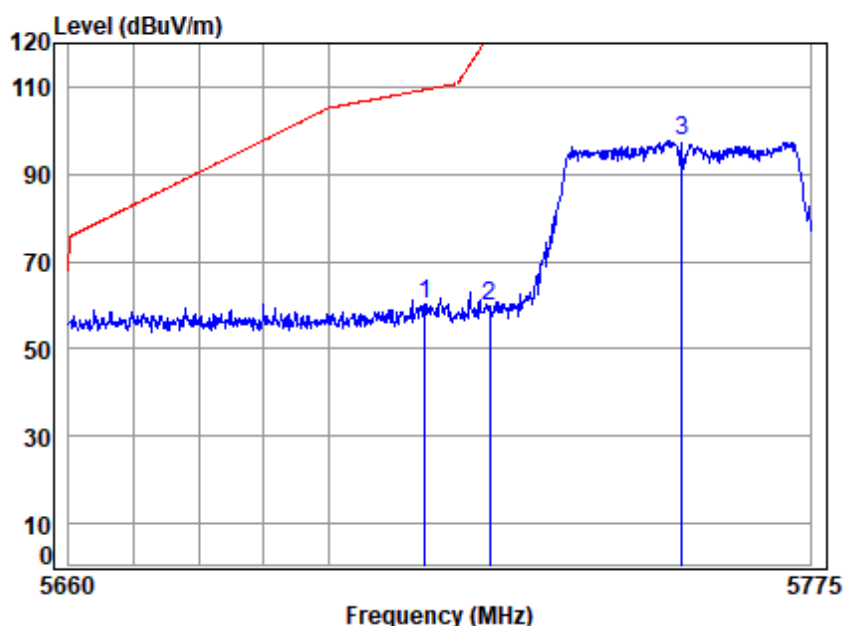
Mode : 5825 Band edge

: 5G WIFI 11N20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5825.000 | 7.03  | 34.93  | 42.35  | 107.27 | 106.88 | 125.20 | -18.32 peak  |
| 2    | 5850.000 | 7.06  | 34.95  | 42.33  | 59.38  | 59.06  | 122.20 | -63.14 peak  |
| 3    | 5860.000 | 7.07  | 34.96  | 42.33  | 58.91  | 58.61  | 109.40 | -50.79 peak  |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:Low

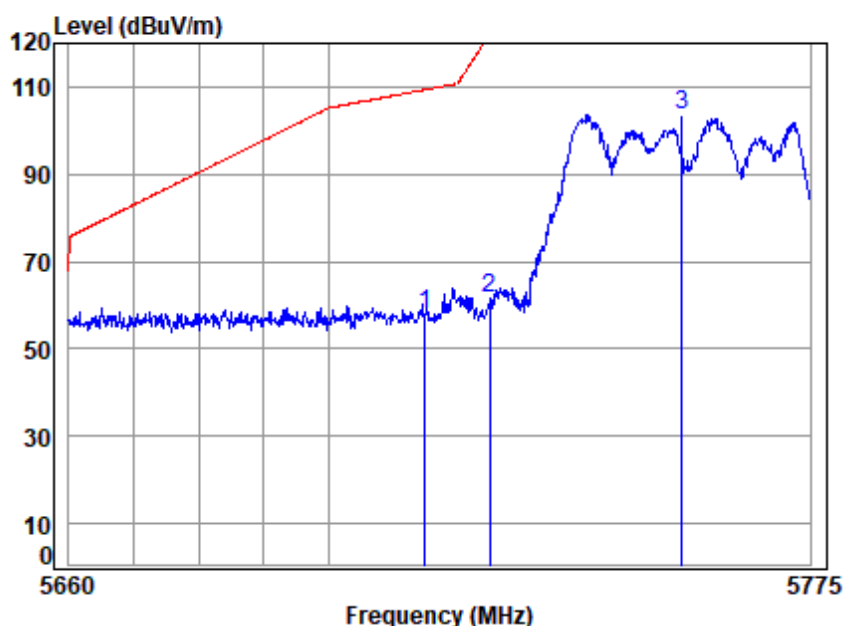


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5755 Band edge  
: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read  | Limit  | Over   |              |
|------|----------|-------|--------|--------|-------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB           |
| 1    | 5715.000 | 7.22  | 34.82  | 42.42  | 60.44 | 60.06  | 109.40 | -49.34 peak  |
| 2    | 5725.000 | 7.19  | 34.83  | 42.41  | 60.35 | 59.96  | 122.20 | -62.24 peak  |
| 3    | 5755.000 | 7.12  | 34.86  | 42.39  | 97.88 | 97.47  | 125.20 | -27.73 peak  |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:Low

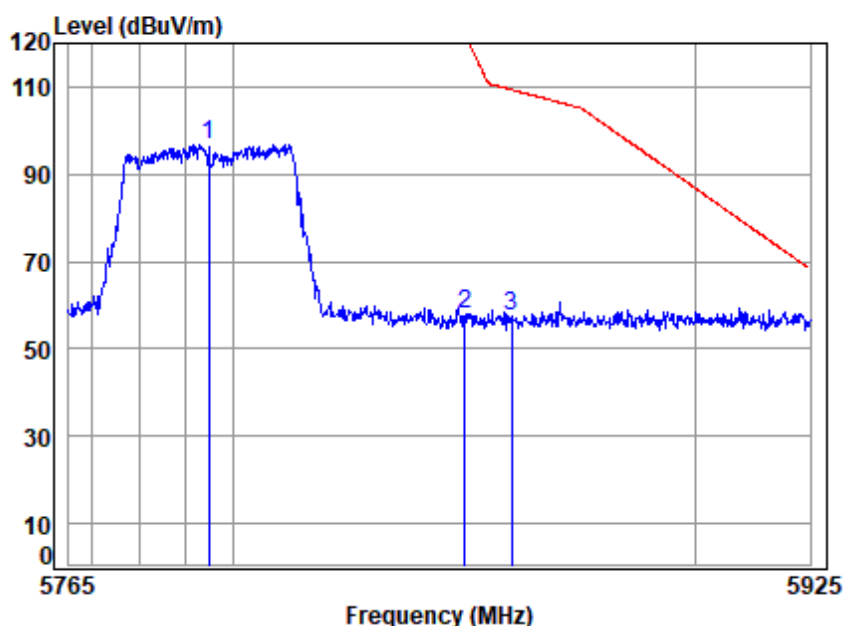


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5755 Band edge  
: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5715.000 | 7.22  | 34.82  | 42.42  | 58.33  | 57.95  | 109.40 | -51.45 peak  |
| 2    | 5725.000 | 7.19  | 34.83  | 42.41  | 61.88  | 61.49  | 122.20 | -60.71 peak  |
| 3    | 5755.000 | 7.12  | 34.86  | 42.39  | 103.78 | 103.37 | 125.20 | -21.83 peak  |



Mode:d; Polarization:Horizontal; Modulation:802.11n; bandwidth:40MHz; Channel:High

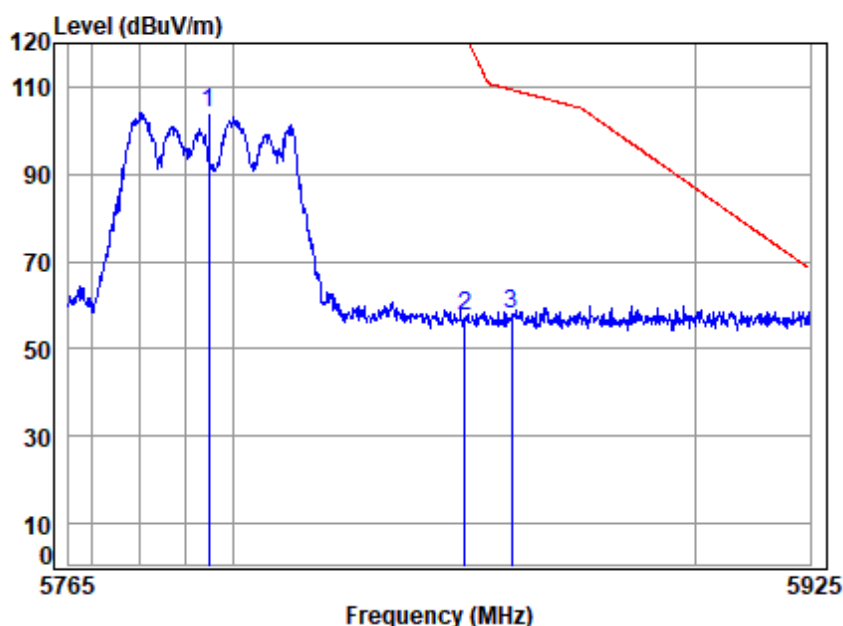


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5795 Band edge  
: 5G WIFI 11N40

|      |          | Cable  | Ant    | Preamp | Read   | Limit  | Over   |             |
|------|----------|--------|--------|--------|--------|--------|--------|-------------|
| Freq | Loss     | Factor | Factor | Level  | Level  | Line   | Limit  | Remark      |
| MHz  | dB       | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |             |
| 1    | 5795.000 | 7.01   | 34.90  | 42.37  | 97.20  | 96.74  | 125.20 | -28.46 peak |
| 2    | 5850.000 | 7.06   | 34.95  | 42.33  | 58.05  | 57.73  | 122.20 | -64.47 peak |
| 3    | 5860.000 | 7.07   | 34.96  | 42.33  | 57.78  | 57.48  | 109.40 | -51.92 peak |



Mode:d; Polarization:Vertical; Modulation:802.11n; bandwidth:40MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

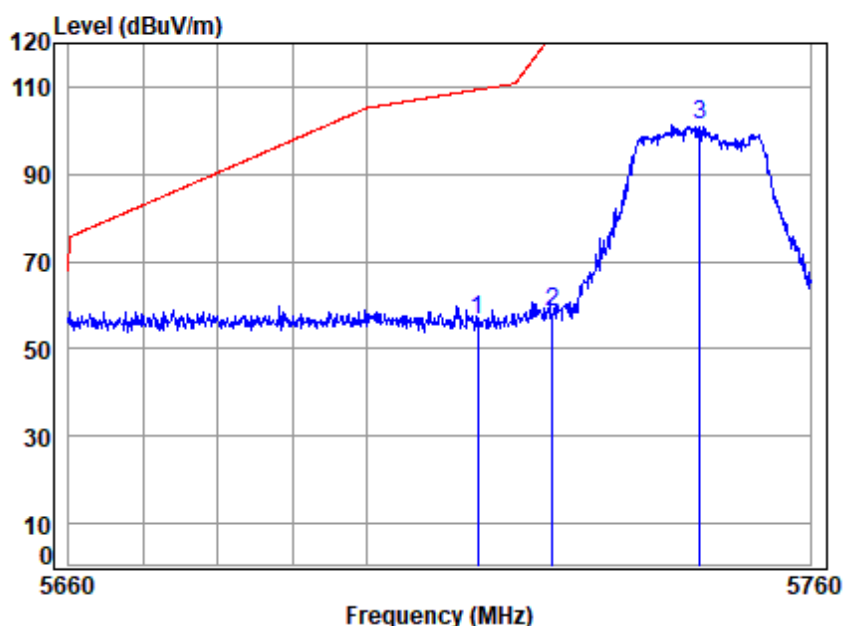
Mode : 5795 Band edge

: 5G WIFI 11N40

|      |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|------|----------|-------|--------|--------|--------|--------|--------|--------|--------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1    | 5795.000 | 7.01  | 34.90  | 42.37  | 104.50 | 104.04 | 125.20 | -21.16 | peak   |
| 2    | 5850.000 | 7.06  | 34.95  | 42.33  | 57.91  | 57.59  | 122.20 | -64.61 | peak   |
| 3    | 5860.000 | 7.07  | 34.96  | 42.33  | 58.10  | 57.80  | 109.40 | -51.60 | peak   |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

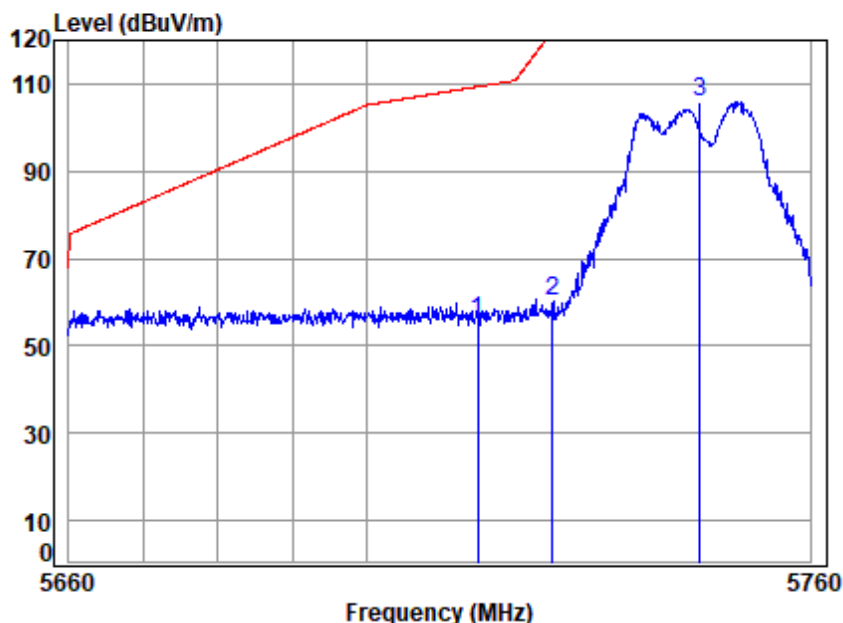


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5745 Band edge  
: 5G WIFI 11AC20

|   |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|---|----------|-------|--------|--------|--------|--------|--------|--------------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1 | 5715.000 | 7.22  | 34.82  | 42.42  | 56.95  | 56.57  | 109.40 | -52.83 peak  |
| 2 | 5725.000 | 7.19  | 34.83  | 42.41  | 58.87  | 58.48  | 122.20 | -63.72 peak  |
| 3 | 5745.000 | 7.14  | 34.85  | 42.40  | 101.55 | 101.14 | 125.20 | -24.06 peak  |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:Low

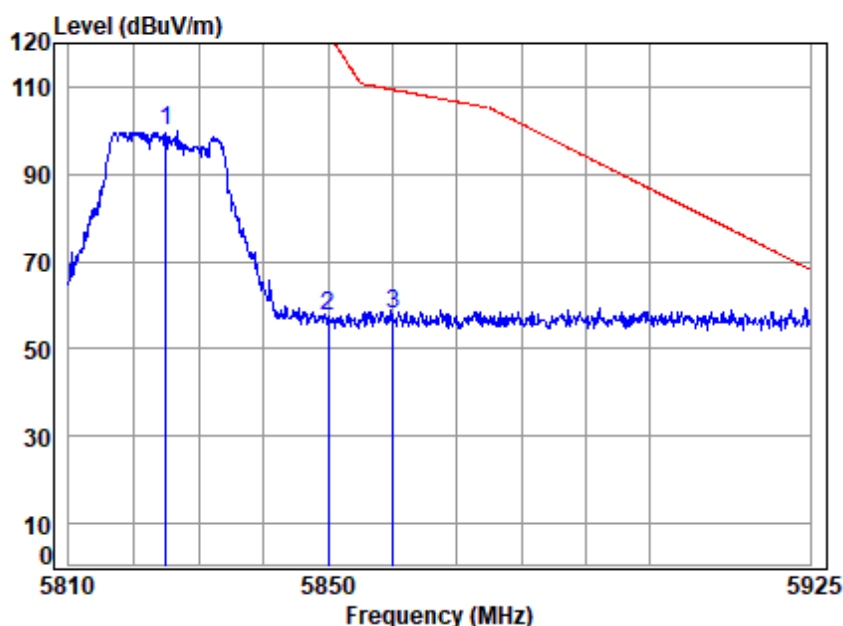


Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5745 Band edge  
: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   | Limit  | Over   |              |
|------|----------|-------|--------|--------|--------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB           |
| 1    | 5715.000 | 7.22  | 34.82  | 42.42  | 55.89  | 55.51  | 109.40 | -53.89 peak  |
| 2    | 5725.000 | 7.19  | 34.83  | 42.41  | 60.50  | 60.11  | 122.20 | -62.09 peak  |
| 3    | 5745.000 | 7.14  | 34.85  | 42.40  | 106.34 | 105.93 | 125.20 | -19.27 peak  |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:20MHz; Channel:High

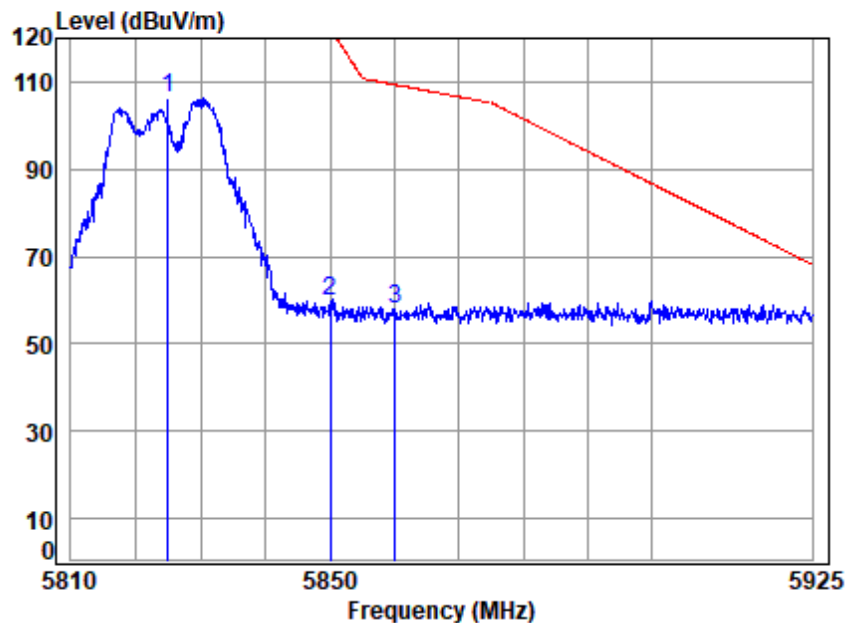


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5825 Band edge  
: 5G WIFI 11AC20

|   |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|---|----------|-------|--------|--------|--------|--------|--------|--------|--------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1 | 5825.000 | 7.03  | 34.93  | 42.35  | 100.26 | 99.87  | 125.20 | -25.33 | peak   |
| 2 | 5850.000 | 7.06  | 34.95  | 42.33  | 58.00  | 57.68  | 122.20 | -64.52 | peak   |
| 3 | 5860.000 | 7.07  | 34.96  | 42.33  | 58.12  | 57.82  | 109.40 | -51.58 | peak   |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:20MHz; Channel:High



Site : chamber

Condition: 3m VERTICAL

Job No : 03945CR

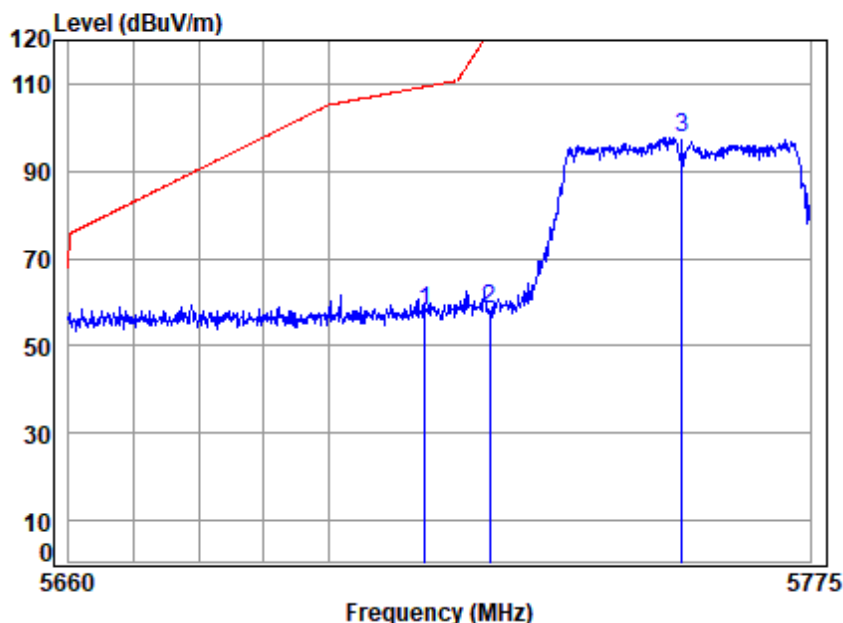
Mode : 5825 Band edge

: 5G WIFI 11AC20

|      |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|------|----------|-------|--------|--------|--------|--------|--------|--------|--------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
| MHz  |          | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1    | 5825.000 | 7.03  | 34.93  | 42.35  | 106.61 | 106.22 | 125.20 | -18.98 | peak   |
| 2    | 5850.000 | 7.06  | 34.95  | 42.33  | 60.06  | 59.74  | 122.20 | -62.46 | peak   |
| 3    | 5860.000 | 7.07  | 34.96  | 42.33  | 58.47  | 58.17  | 109.40 | -51.23 | peak   |



Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:Low

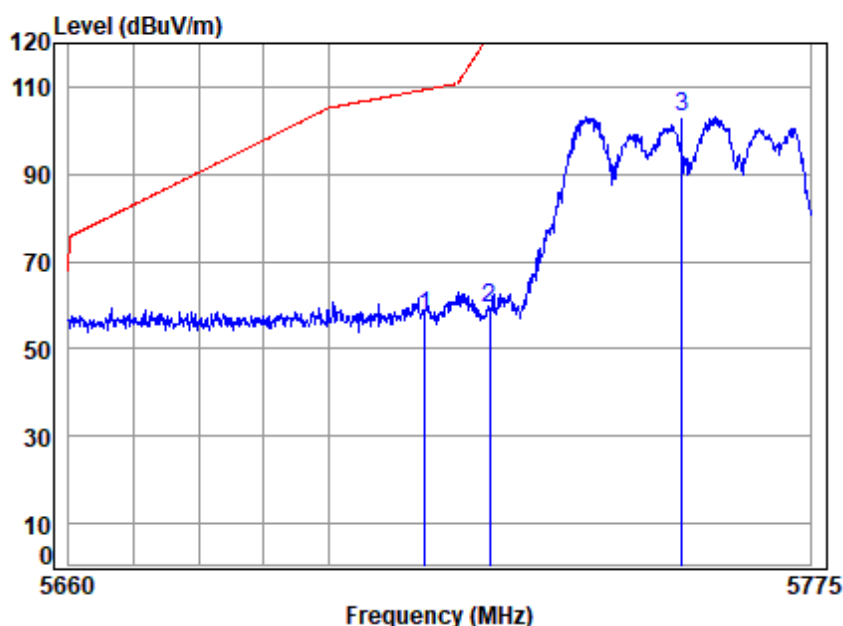


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5755 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read  | Limit  | Over   |              |
|------|----------|-------|--------|--------|-------|--------|--------|--------------|
| Freq |          | Loss  | Factor | Factor | Level | Level  | Line   | Limit Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV  | dBuV/m | dBuV/m | dB           |
| 1    | 5715.000 | 7.22  | 34.82  | 42.42  | 58.33 | 57.95  | 109.40 | -51.45 peak  |
| 2    | 5725.000 | 7.19  | 34.83  | 42.41  | 58.59 | 58.20  | 122.20 | -64.00 peak  |
| 3    | 5755.000 | 7.12  | 34.86  | 42.39  | 98.08 | 97.67  | 125.20 | -27.53 peak  |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:Low



Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5755 Band edge  
: 5G WIFI 11AC40

|   |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|---|----------|-------|--------|--------|--------|--------|--------|--------|--------|
|   | Freq     | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
|   | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1 | 5715.000 | 7.22  | 34.82  | 42.42  | 57.70  | 57.32  | 109.40 | -52.08 | peak   |
| 2 | 5725.000 | 7.19  | 34.83  | 42.41  | 59.78  | 59.39  | 122.20 | -62.81 | peak   |
| 3 | 5755.000 | 7.12  | 34.86  | 42.39  | 103.62 | 103.21 | 125.20 | -21.99 | peak   |

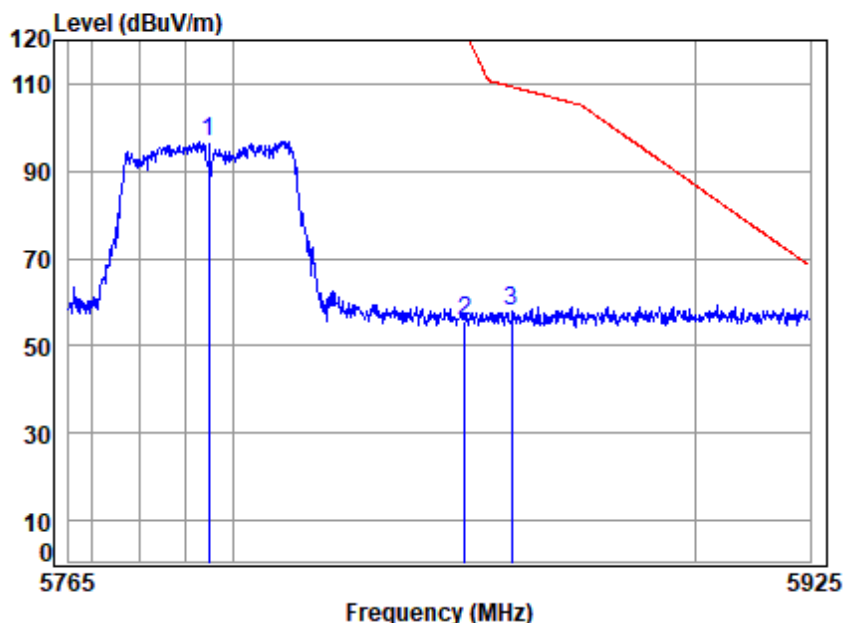


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Mode:d; Polarization:Horizontal; Modulation:802.11ac; bandwidth:40MHz; Channel:High

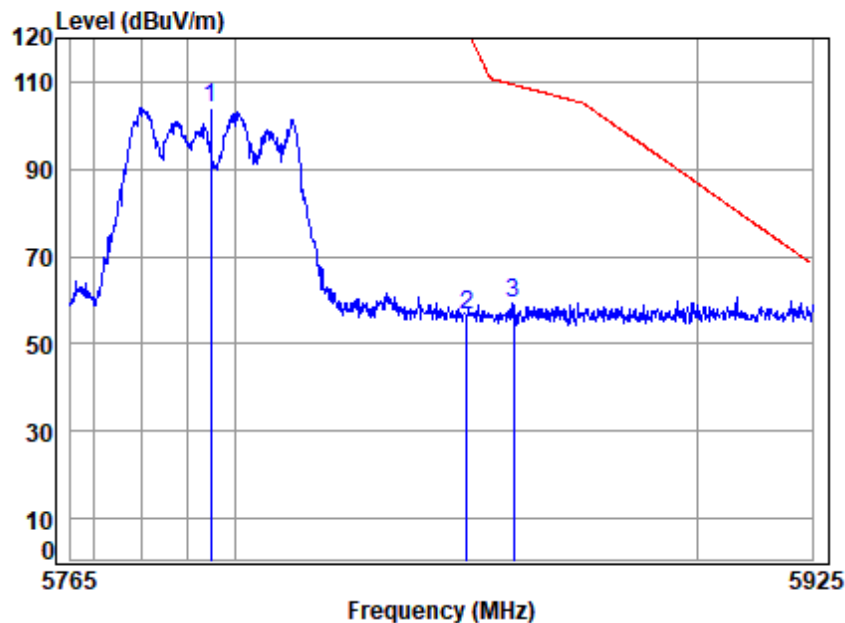


Site : chamber  
Condition: 3m HORIZONTAL  
Job No : 03945CR  
Mode : 5795 Band edge  
: 5G WIFI 11AC40

|      |          | Cable  | Ant    | Preamp | Read   | Limit  | Over   |             |
|------|----------|--------|--------|--------|--------|--------|--------|-------------|
| Freq | Loss     | Factor | Factor | Level  | Level  | Line   | Limit  | Remark      |
| MHz  | dB       | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |             |
| 1    | 5795.000 | 7.01   | 34.90  | 42.37  | 97.21  | 96.75  | 125.20 | -28.45 peak |
| 2    | 5850.000 | 7.06   | 34.95  | 42.33  | 55.88  | 55.56  | 122.20 | -66.64 peak |
| 3    | 5860.000 | 7.07   | 34.96  | 42.33  | 58.13  | 57.83  | 109.40 | -51.57 peak |



Mode:d; Polarization:Vertical; Modulation:802.11ac; bandwidth:40MHz; Channel:High



Site : chamber  
Condition: 3m VERTICAL  
Job No : 03945CR  
Mode : 5795 Band edge  
: 5G WIFI 11AC40

|      |          | Cable | Ant    | Preamp | Read   |        | Limit  | Over   |        |
|------|----------|-------|--------|--------|--------|--------|--------|--------|--------|
| Freq |          | Loss  | Factor | Factor | Level  | Level  | Line   | Limit  | Remark |
|      | MHz      | dB    | dB/m   | dB     | dBuV   | dBuV/m | dBuV/m | dB     |        |
| 1    | 5795.000 | 7.01  | 34.90  | 42.37  | 104.49 | 104.03 | 125.20 | -21.17 | peak   |
| 2    | 5850.000 | 7.06  | 34.95  | 42.33  | 56.91  | 56.59  | 122.20 | -65.61 | peak   |
| 3    | 5860.000 | 7.07  | 34.96  | 42.33  | 59.83  | 59.53  | 109.40 | -49.87 | peak   |



## 7.9 Frequency Stability

|                  |                                                                                                                                                                                                                                                                                                         |
|------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Test Requirement | 47 CFR Part 15, Subpart C 15.407 (g)                                                                                                                                                                                                                                                                    |
| Test Method:     | ANSI C63.10 (2013) Section 6.8                                                                                                                                                                                                                                                                          |
| Limit:           | The frequency tolerance shall be maintained within the band of operation frequency over a temperature variation of 0 degrees to 35 degrees C at normal supply voltage, and for a variation in the primary supply voltage from 85% to 115% of the rated supply voltage at a temperature of 20 degrees C. |

### 7.9.1 E.U.T. Operation

Operating Environment:

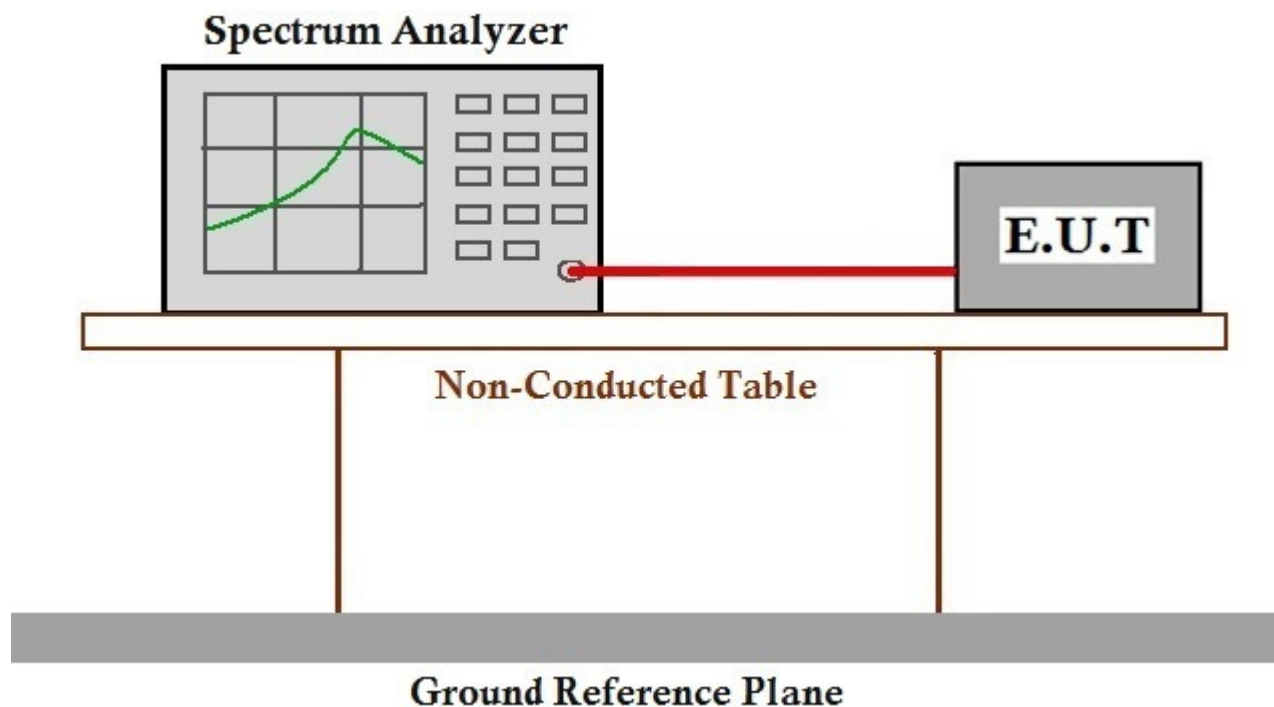
Temperature: 28.5 °C Humidity: 44.5 % RH Atmospheric Pressure: 1010 mbar

Pretest these modes to find the worst case: c:TX mode (Band 1)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.

d:TX mode (Band 3)\_Keep the EUT in continuously transmitting mode with all modulation types. All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ MCS0 is the worst case of IEEE 802.11n(HT20); data rate @ MCS0 is the worst case of IEEE 802.11n(HT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT20); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT40); data rate @ MCS0 is the worst case of IEEE 802.11ac(VHT80). Only the data of worst case is recorded in the report.



## 7.9.2 Test Setup Diagram



## 7.9.3 Measurement Procedure and Data

The applicant declares that the emissions are maintained within the band of operation under all conditions of normal operation as specified in the user's manual and meets Section 15.407(g) requirements.



## 8 Photographs

### 8.1 Test Setup

Please refer to setup photos.

### 8.2 EUT Constructional Details (EUT Photos)

Please Refer to external and internal photos for details.



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## 9 Appendix

### 9.1 Appendix 15.407

#### 1.Emission Bandwidth Measurement

| Test mode: | Test Channel | Ant  | EBW[MHz] | Limit[MHz] | Verdict |
|------------|--------------|------|----------|------------|---------|
| 11A        | 5180         | Ant1 | 23.520   | ---        | PASS    |
| 11A        | 5180         | Ant2 | 23.670   | ---        | PASS    |
| 11A        | 5180         | Ant3 | 23.370   | ---        | PASS    |
| 11A        | 5180         | Ant4 | 24.000   | ---        | PASS    |
| 11A        | 5220         | Ant1 | 23.610   | ---        | PASS    |
| 11A        | 5220         | Ant2 | 23.580   | ---        | PASS    |
| 11A        | 5220         | Ant3 | 23.520   | ---        | PASS    |
| 11A        | 5220         | Ant4 | 23.730   | ---        | PASS    |
| 11A        | 5240         | Ant1 | 23.520   | ---        | PASS    |
| 11A        | 5240         | Ant2 | 23.610   | ---        | PASS    |
| 11A        | 5240         | Ant3 | 23.520   | ---        | PASS    |
| 11A        | 5240         | Ant4 | 23.670   | ---        | PASS    |
| 11A        | 5745         | Ant1 | 16.410   | >=0.5      | PASS    |
| 11A        | 5745         | Ant2 | 16.440   | >=0.5      | PASS    |
| 11A        | 5745         | Ant3 | 16.410   | >=0.5      | PASS    |
| 11A        | 5745         | Ant4 | 16.440   | >=0.5      | PASS    |
| 11A        | 5785         | Ant1 | 16.410   | >=0.5      | PASS    |
| 11A        | 5785         | Ant2 | 16.440   | >=0.5      | PASS    |
| 11A        | 5785         | Ant3 | 16.410   | >=0.5      | PASS    |
| 11A        | 5785         | Ant4 | 16.440   | >=0.5      | PASS    |
| 11A        | 5825         | Ant1 | 16.410   | >=0.5      | PASS    |
| 11A        | 5825         | Ant2 | 16.440   | >=0.5      | PASS    |
| 11A        | 5825         | Ant3 | 16.410   | >=0.5      | PASS    |
| 11A        | 5825         | Ant4 | 16.440   | >=0.5      | PASS    |
| 11N20      | 5180         | Ant1 | 24.870   | ---        | PASS    |
| 11N20      | 5180         | Ant2 | 25.530   | ---        | PASS    |

|       |      |      |        |       |      |
|-------|------|------|--------|-------|------|
| 11N20 | 5180 | Ant3 | 24.570 | ---   | PASS |
| 11N20 | 5180 | Ant4 | 24.570 | ---   | PASS |
| 11N20 | 5220 | Ant1 | 24.870 | ---   | PASS |
| 11N20 | 5220 | Ant2 | 25.650 | ---   | PASS |
| 11N20 | 5220 | Ant3 | 24.360 | ---   | PASS |
| 11N20 | 5220 | Ant4 | 24.480 | ---   | PASS |
| 11N20 | 5240 | Ant1 | 24.780 | ---   | PASS |
| 11N20 | 5240 | Ant2 | 25.230 | ---   | PASS |
| 11N20 | 5240 | Ant3 | 24.240 | ---   | PASS |
| 11N20 | 5240 | Ant4 | 24.270 | ---   | PASS |
| 11N20 | 5745 | Ant1 | 17.670 | >=0.5 | PASS |
| 11N20 | 5745 | Ant2 | 17.670 | >=0.5 | PASS |
| 11N20 | 5745 | Ant3 | 17.670 | >=0.5 | PASS |
| 11N20 | 5745 | Ant4 | 17.670 | >=0.5 | PASS |
| 11N20 | 5785 | Ant1 | 17.640 | >=0.5 | PASS |
| 11N20 | 5785 | Ant2 | 17.640 | >=0.5 | PASS |
| 11N20 | 5785 | Ant3 | 17.670 | >=0.5 | PASS |
| 11N20 | 5785 | Ant4 | 17.670 | >=0.5 | PASS |
| 11N20 | 5825 | Ant1 | 17.670 | >=0.5 | PASS |
| 11N20 | 5825 | Ant2 | 17.640 | >=0.5 | PASS |
| 11N20 | 5825 | Ant3 | 17.700 | >=0.5 | PASS |
| 11N20 | 5825 | Ant4 | 17.670 | >=0.5 | PASS |
| 11N40 | 5190 | Ant1 | 43.440 | ---   | PASS |
| 11N40 | 5190 | Ant2 | 42.720 | ---   | PASS |
| 11N40 | 5190 | Ant3 | 43.200 | ---   | PASS |
| 11N40 | 5190 | Ant4 | 42.480 | ---   | PASS |
| 11N40 | 5230 | Ant1 | 43.320 | ---   | PASS |
| 11N40 | 5230 | Ant2 | 42.960 | ---   | PASS |
| 11N40 | 5230 | Ant3 | 43.200 | ---   | PASS |
| 11N40 | 5230 | Ant4 | 42.600 | ---   | PASS |
| 11N40 | 5755 | Ant1 | 36.480 | >=0.5 | PASS |
| 11N40 | 5755 | Ant2 | 36.480 | >=0.5 | PASS |



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|        |      |      |        |       |      |
|--------|------|------|--------|-------|------|
| 11N40  | 5755 | Ant3 | 36.540 | >=0.5 | PASS |
| 11N40  | 5755 | Ant4 | 36.420 | >=0.5 | PASS |
| 11N40  | 5795 | Ant1 | 36.480 | >=0.5 | PASS |
| 11N40  | 5795 | Ant2 | 36.420 | >=0.5 | PASS |
| 11N40  | 5795 | Ant3 | 36.420 | >=0.5 | PASS |
| 11N40  | 5795 | Ant4 | 36.420 | >=0.5 | PASS |
| 11AC20 | 5180 | Ant1 | 24.840 | ---   | PASS |
| 11AC20 | 5180 | Ant2 | 25.530 | ---   | PASS |
| 11AC20 | 5180 | Ant3 | 24.630 | ---   | PASS |
| 11AC20 | 5180 | Ant4 | 24.360 | ---   | PASS |
| 11AC20 | 5220 | Ant1 | 24.780 | ---   | PASS |
| 11AC20 | 5220 | Ant2 | 25.230 | ---   | PASS |
| 11AC20 | 5220 | Ant3 | 24.660 | ---   | PASS |
| 11AC20 | 5220 | Ant4 | 24.240 | ---   | PASS |
| 11AC20 | 5240 | Ant1 | 24.870 | ---   | PASS |
| 11AC20 | 5240 | Ant2 | 25.200 | ---   | PASS |
| 11AC20 | 5240 | Ant3 | 24.450 | ---   | PASS |
| 11AC20 | 5240 | Ant4 | 24.150 | ---   | PASS |
| 11AC20 | 5745 | Ant1 | 17.670 | >=0.5 | PASS |
| 11AC20 | 5745 | Ant2 | 17.700 | >=0.5 | PASS |
| 11AC20 | 5745 | Ant3 | 17.670 | >=0.5 | PASS |
| 11AC20 | 5745 | Ant4 | 17.670 | >=0.5 | PASS |
| 11AC20 | 5785 | Ant1 | 17.670 | >=0.5 | PASS |
| 11AC20 | 5785 | Ant2 | 17.640 | >=0.5 | PASS |
| 11AC20 | 5785 | Ant3 | 17.670 | >=0.5 | PASS |
| 11AC20 | 5785 | Ant4 | 17.670 | >=0.5 | PASS |
| 11AC20 | 5825 | Ant1 | 17.670 | >=0.5 | PASS |
| 11AC20 | 5825 | Ant2 | 17.670 | >=0.5 | PASS |
| 11AC20 | 5825 | Ant3 | 17.700 | >=0.5 | PASS |
| 11AC20 | 5825 | Ant4 | 17.670 | >=0.5 | PASS |
| 11AC80 | 5210 | Ant1 | 83.880 | ---   | PASS |
| 11AC80 | 5210 | Ant2 | 81.000 | ---   | PASS |



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|        |      |      |        |            |      |
|--------|------|------|--------|------------|------|
| 11AC80 | 5210 | Ant3 | 83.760 | ---        | PASS |
| 11AC80 | 5210 | Ant4 | 83.400 | ---        | PASS |
| 11AC80 | 5775 | Ant1 | 75.480 | $\geq 0.5$ | PASS |
| 11AC80 | 5775 | Ant2 | 75.600 | $\geq 0.5$ | PASS |
| 11AC80 | 5775 | Ant3 | 75.360 | $\geq 0.5$ | PASS |
| 11AC80 | 5775 | Ant4 | 75.360 | $\geq 0.5$ | PASS |
| 11AC40 | 5190 | Ant1 | 43.380 | ---        | PASS |
| 11AC40 | 5190 | Ant2 | 42.720 | ---        | PASS |
| 11AC40 | 5190 | Ant3 | 43.080 | ---        | PASS |
| 11AC40 | 5190 | Ant4 | 42.480 | ---        | PASS |
| 11AC40 | 5230 | Ant1 | 43.320 | ---        | PASS |
| 11AC40 | 5230 | Ant2 | 42.900 | ---        | PASS |
| 11AC40 | 5230 | Ant3 | 43.320 | ---        | PASS |
| 11AC40 | 5230 | Ant4 | 42.600 | ---        | PASS |
| 11AC40 | 5755 | Ant1 | 36.480 | $\geq 0.5$ | PASS |
| 11AC40 | 5755 | Ant2 | 36.480 | $\geq 0.5$ | PASS |
| 11AC40 | 5755 | Ant3 | 36.480 | $\geq 0.5$ | PASS |
| 11AC40 | 5755 | Ant4 | 36.420 | $\geq 0.5$ | PASS |
| 11AC40 | 5795 | Ant1 | 36.480 | $\geq 0.5$ | PASS |
| 11AC40 | 5795 | Ant2 | 36.480 | $\geq 0.5$ | PASS |
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| 11AC40 | 5795 | Ant4 | 36.420 | $\geq 0.5$ | PASS |



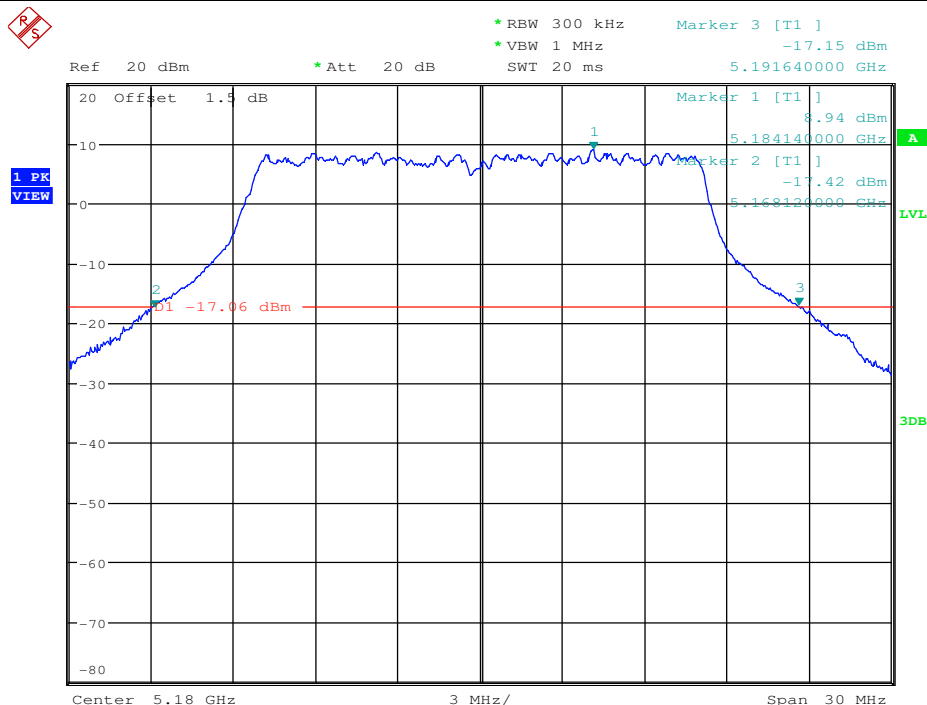
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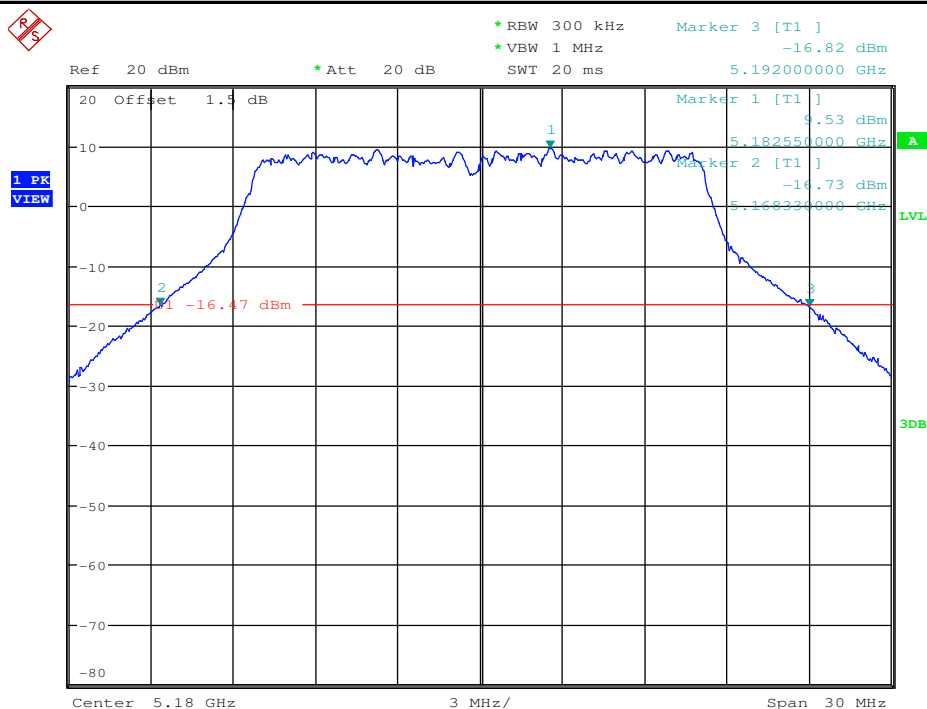
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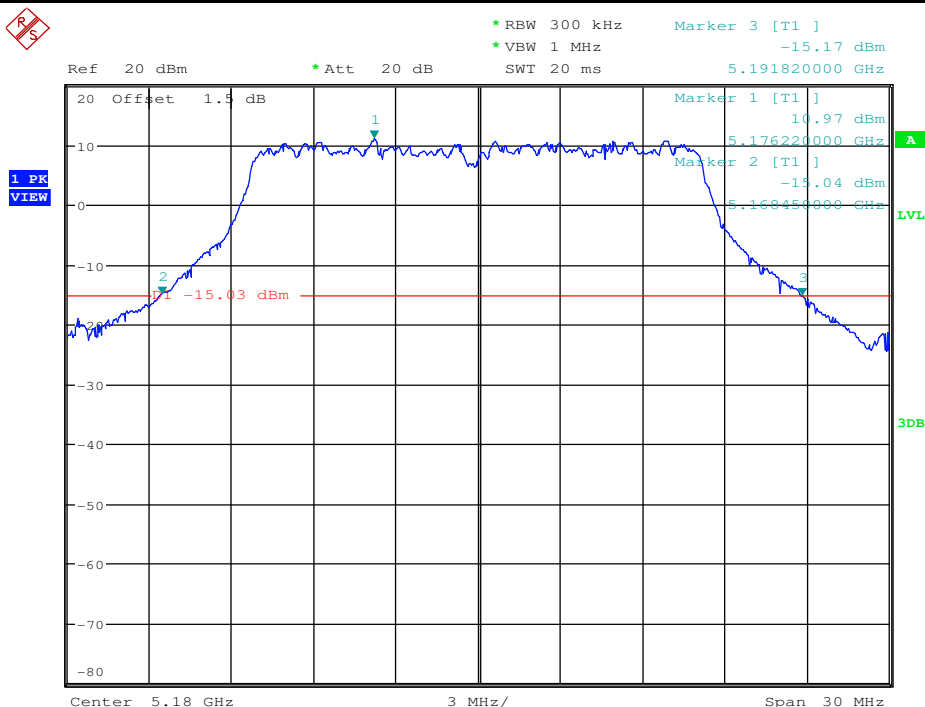
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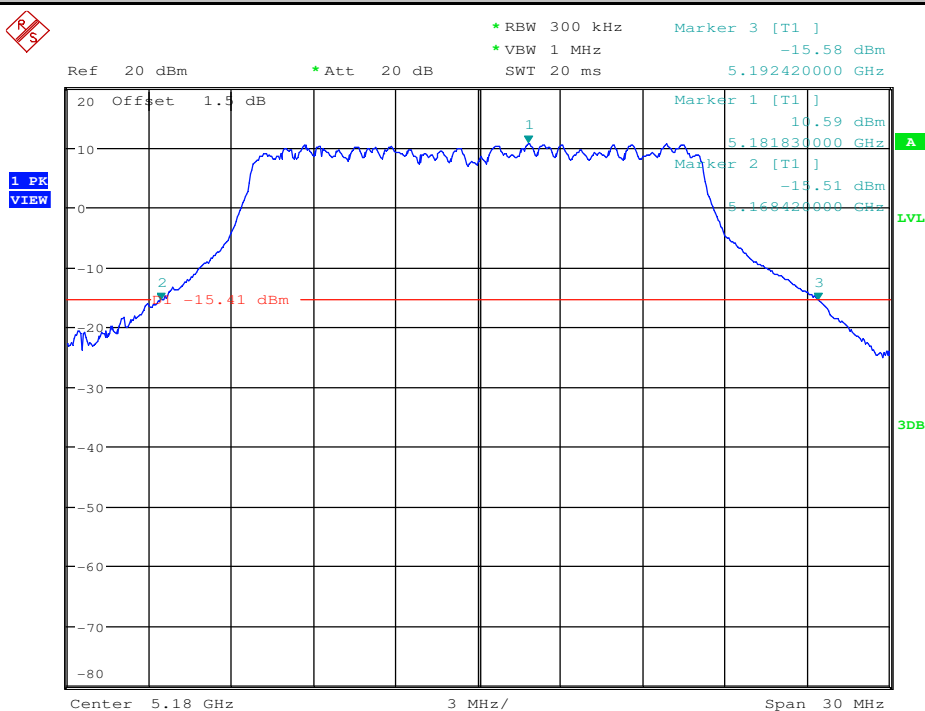
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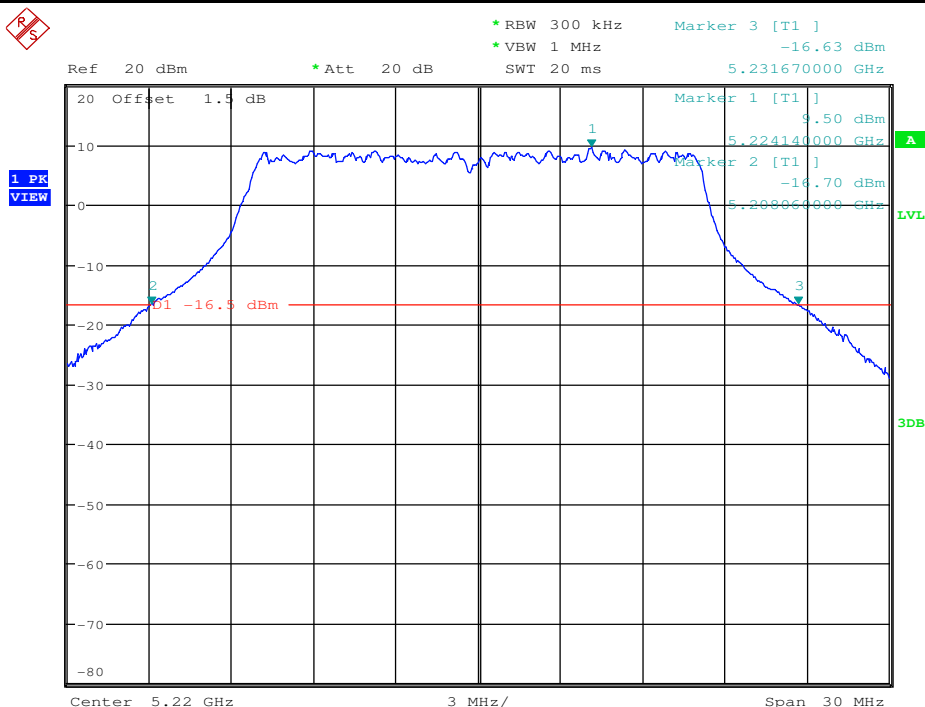
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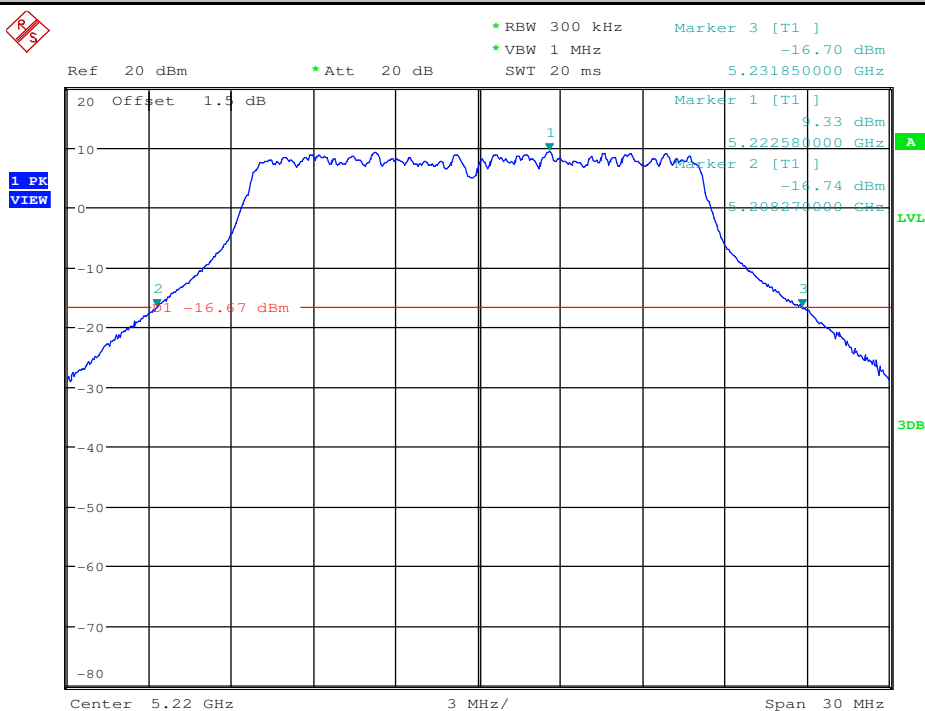
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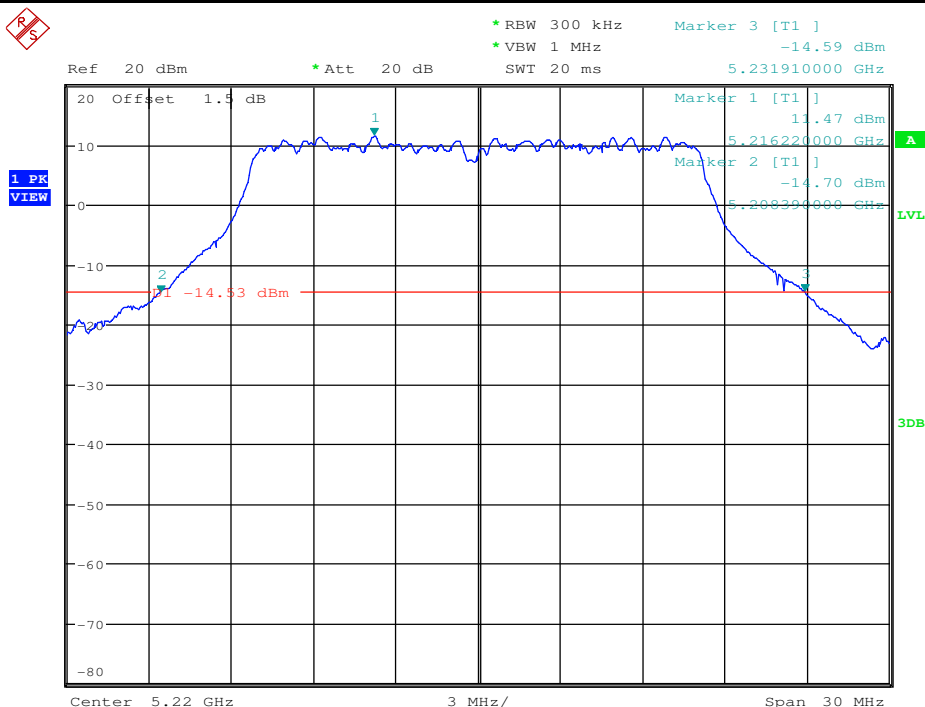
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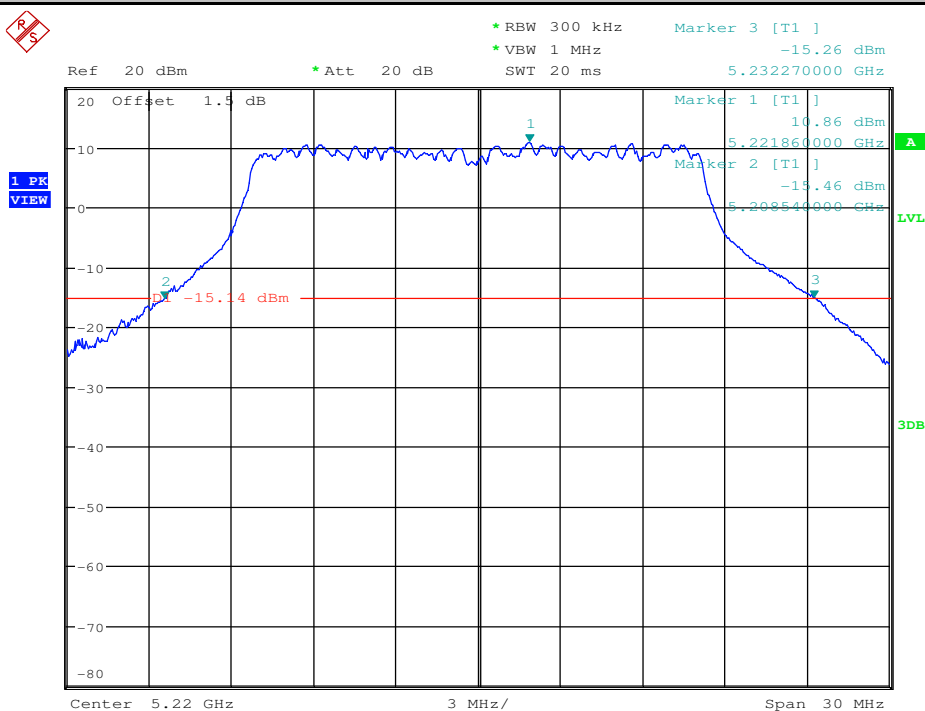
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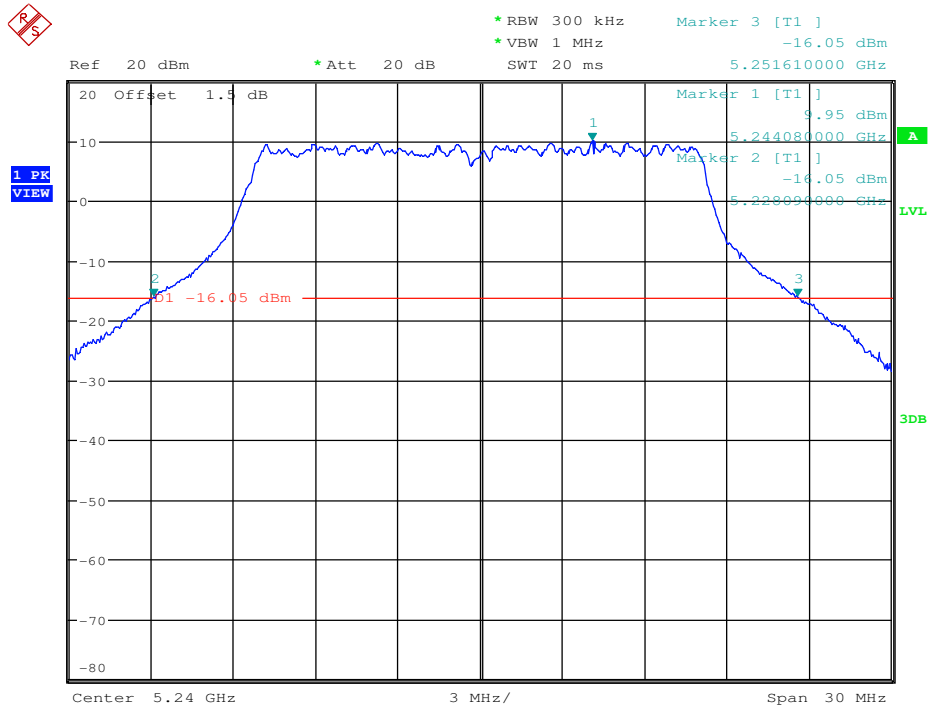
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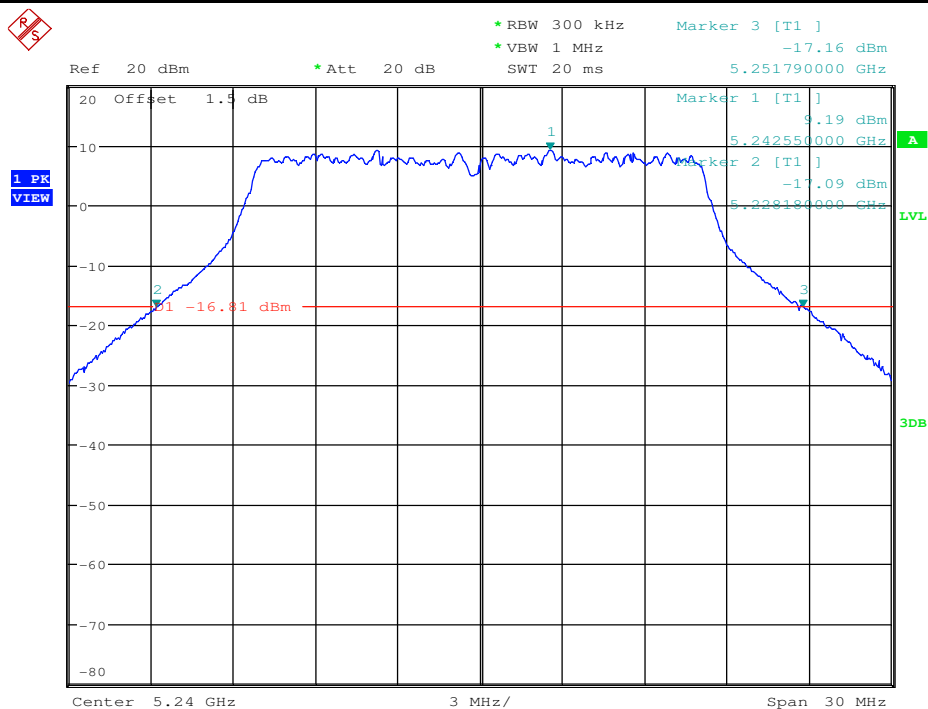
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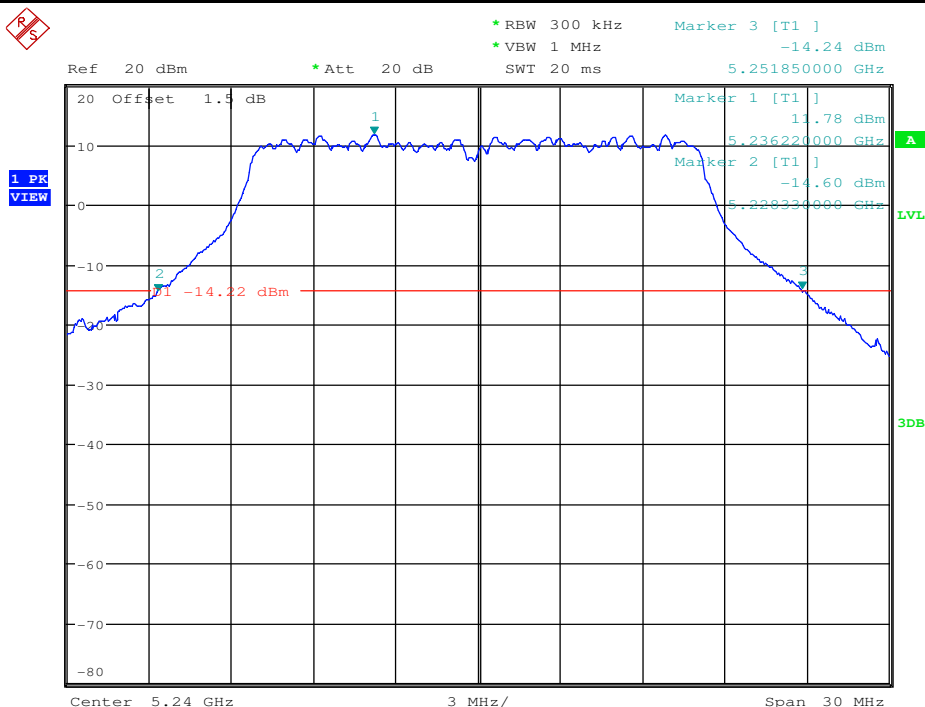
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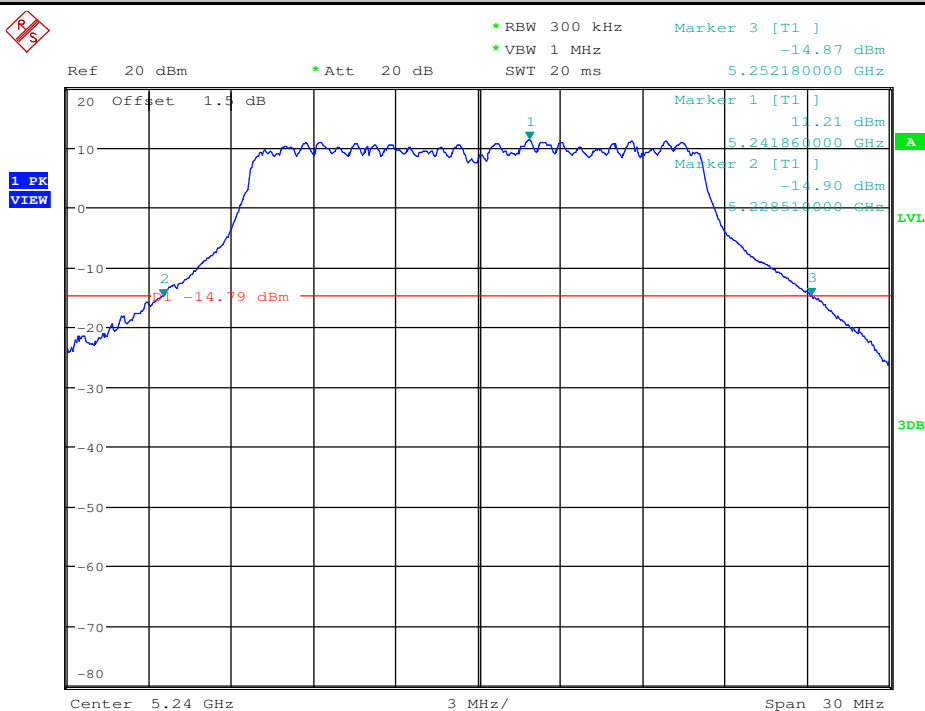
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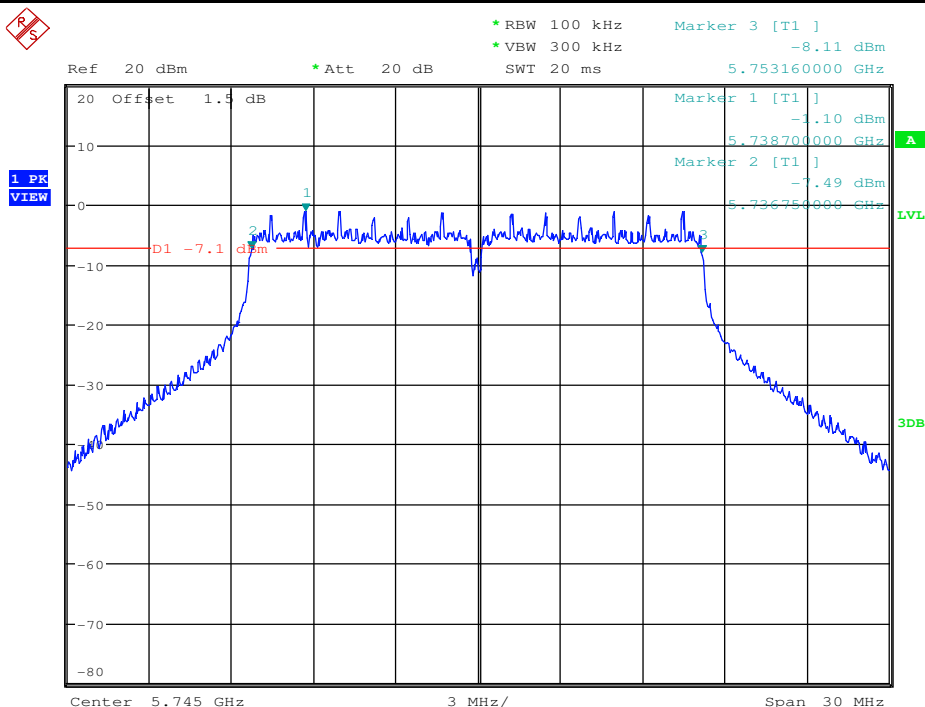
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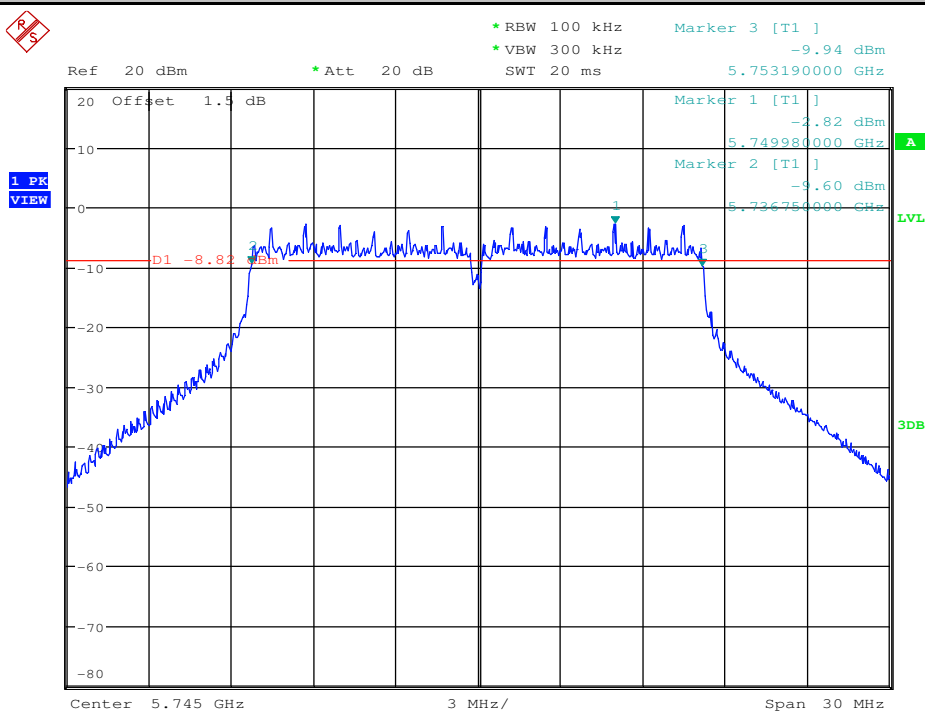
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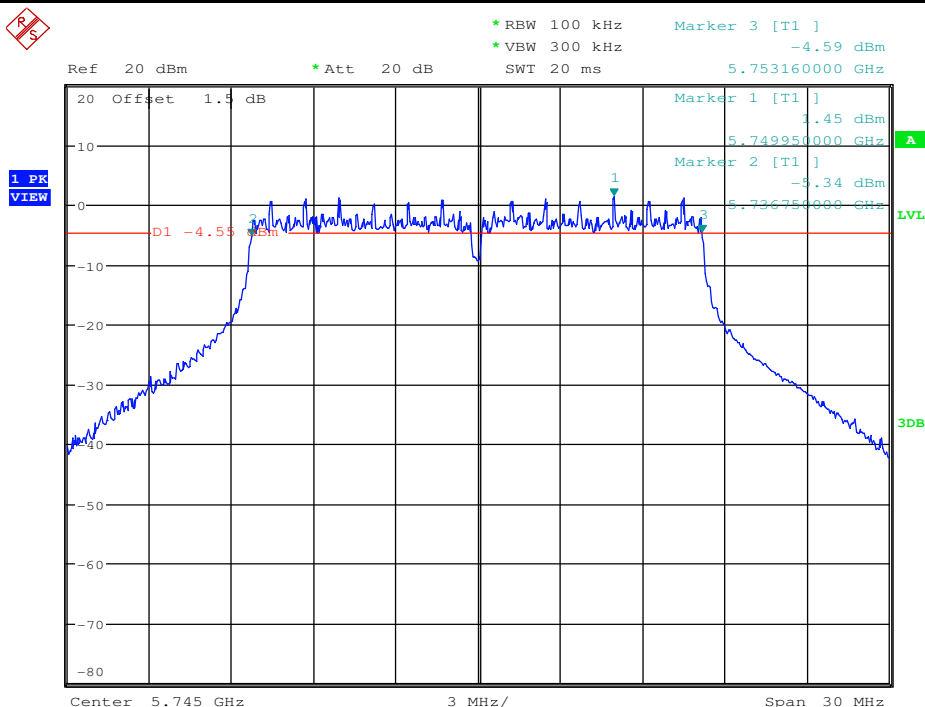
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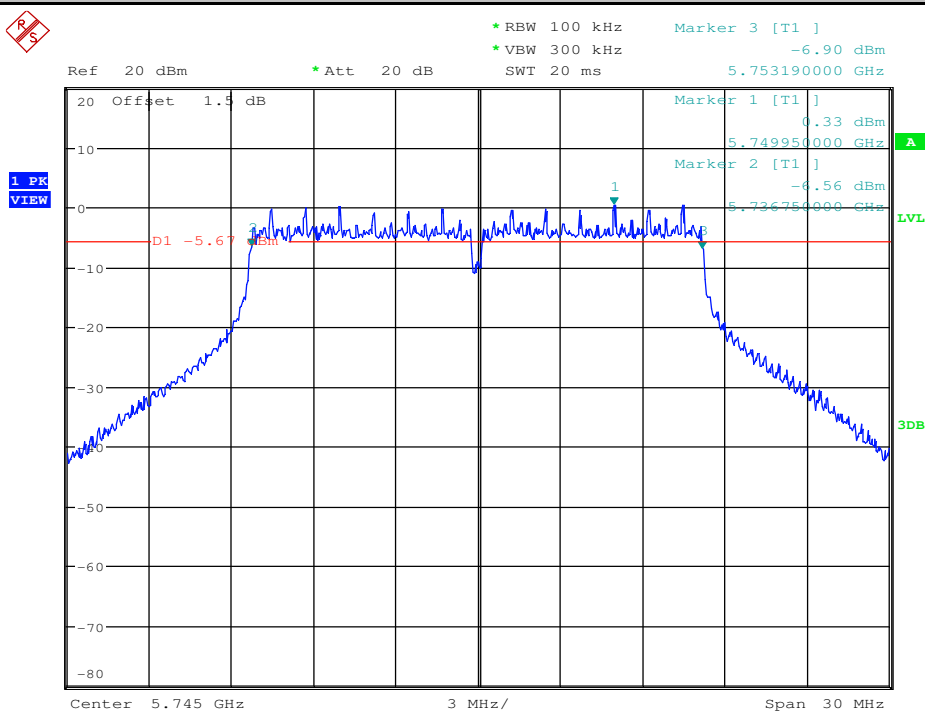
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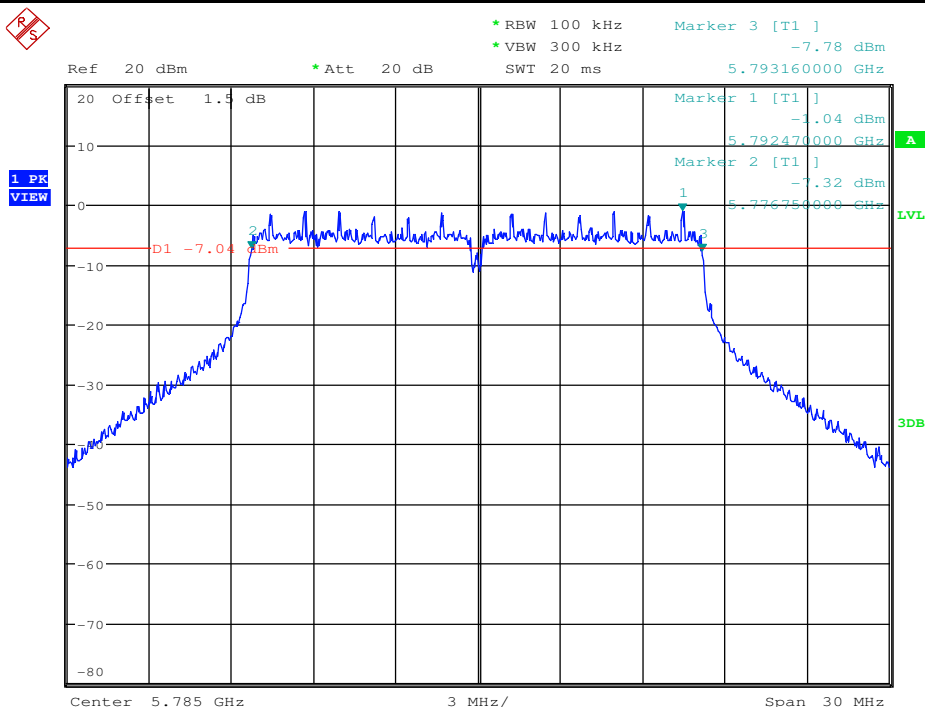
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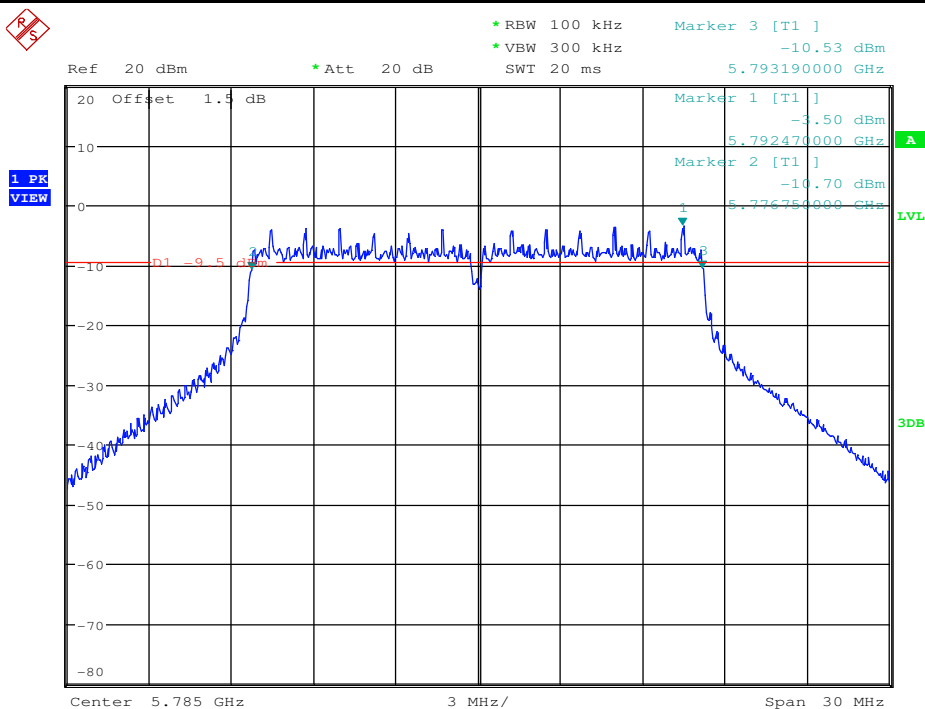
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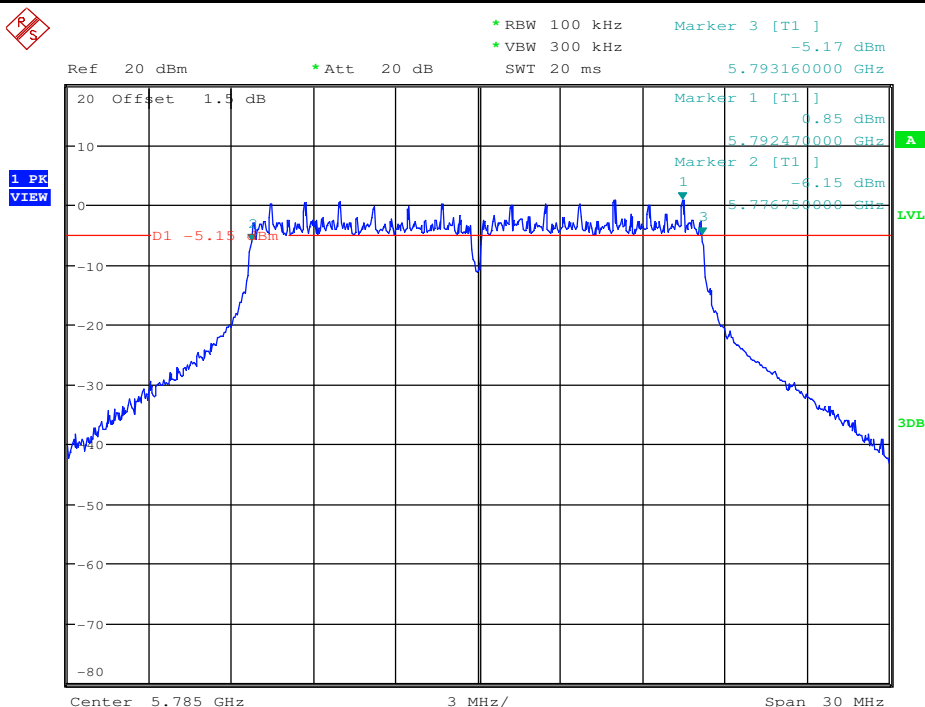
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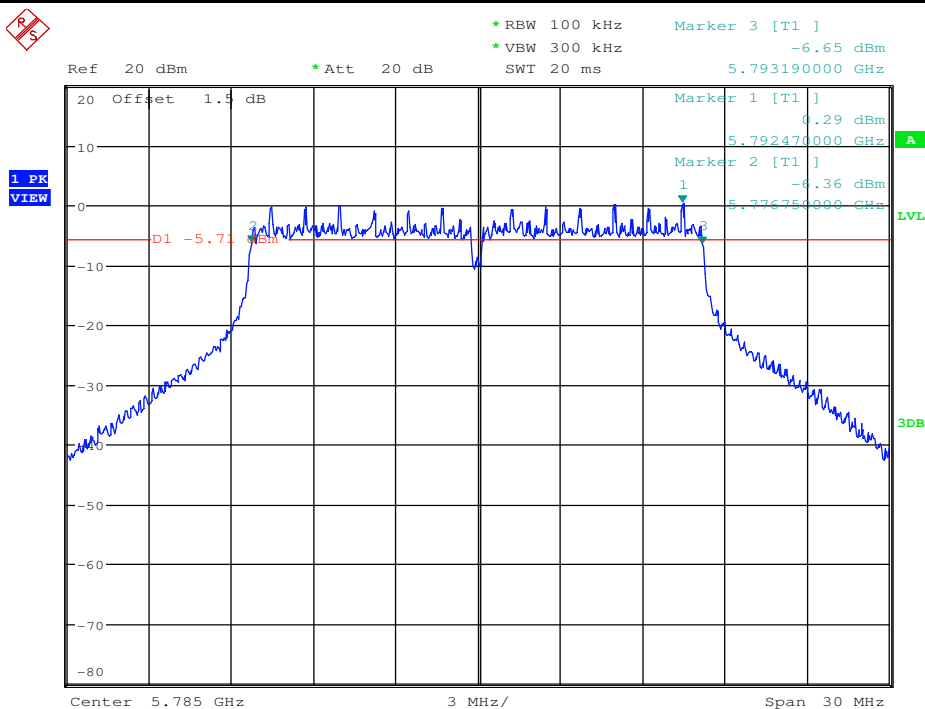
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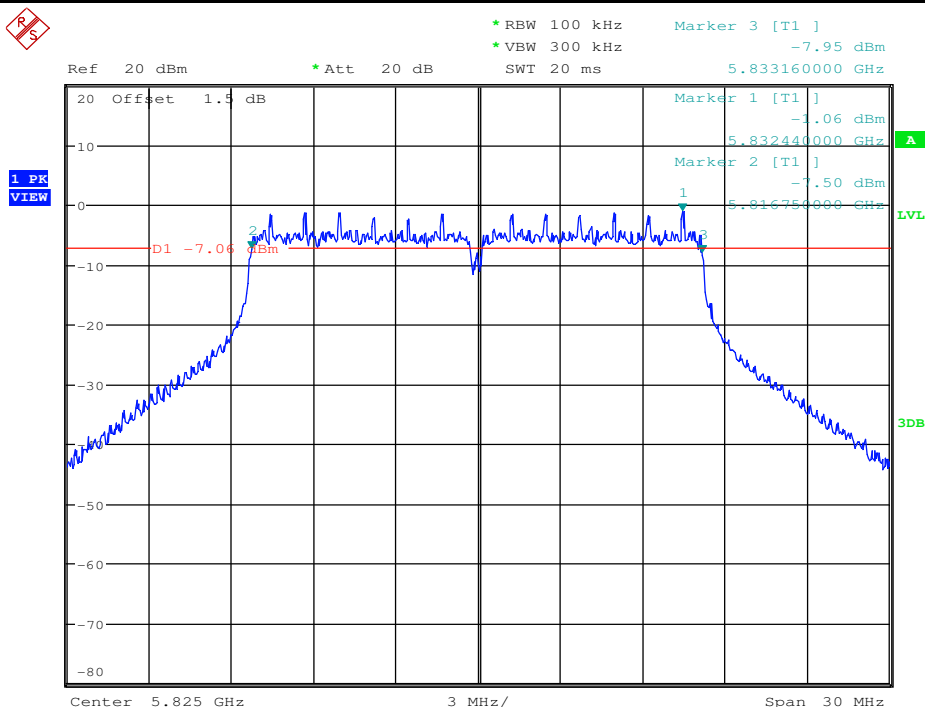
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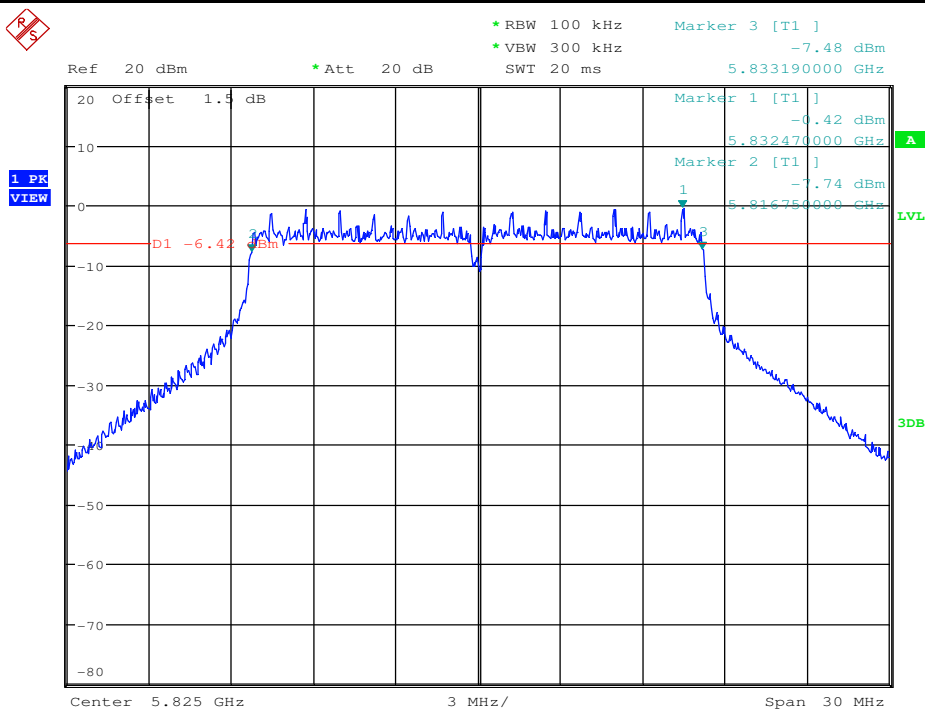
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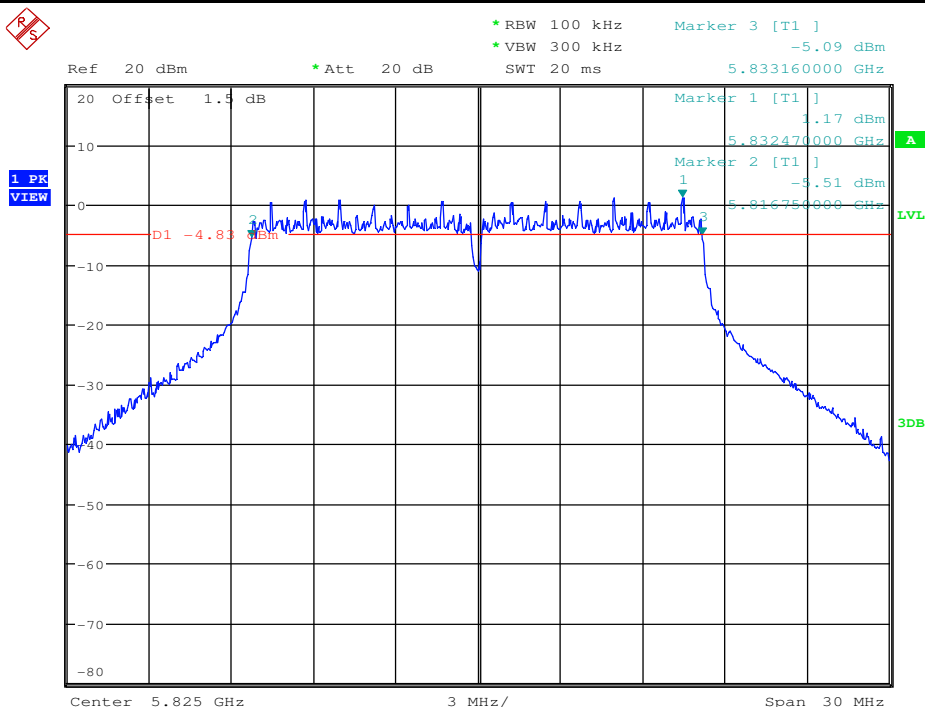
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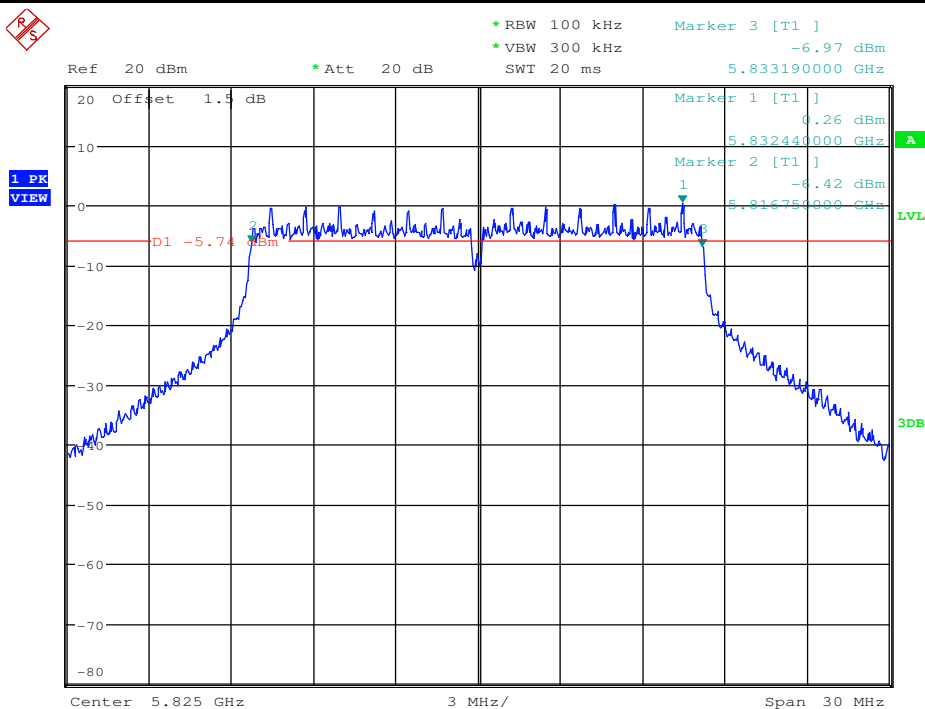
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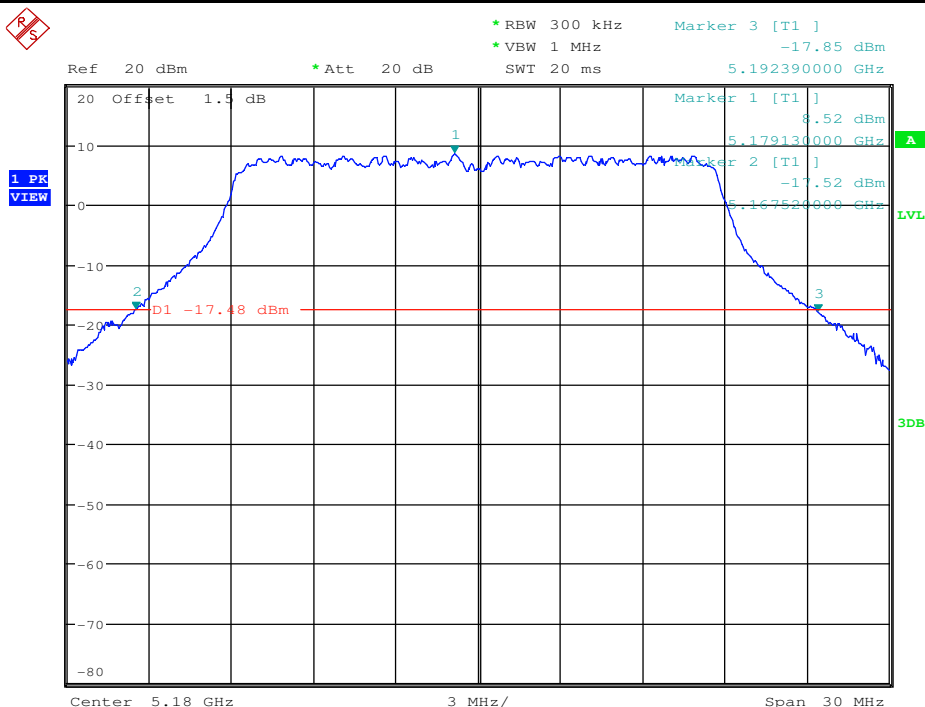
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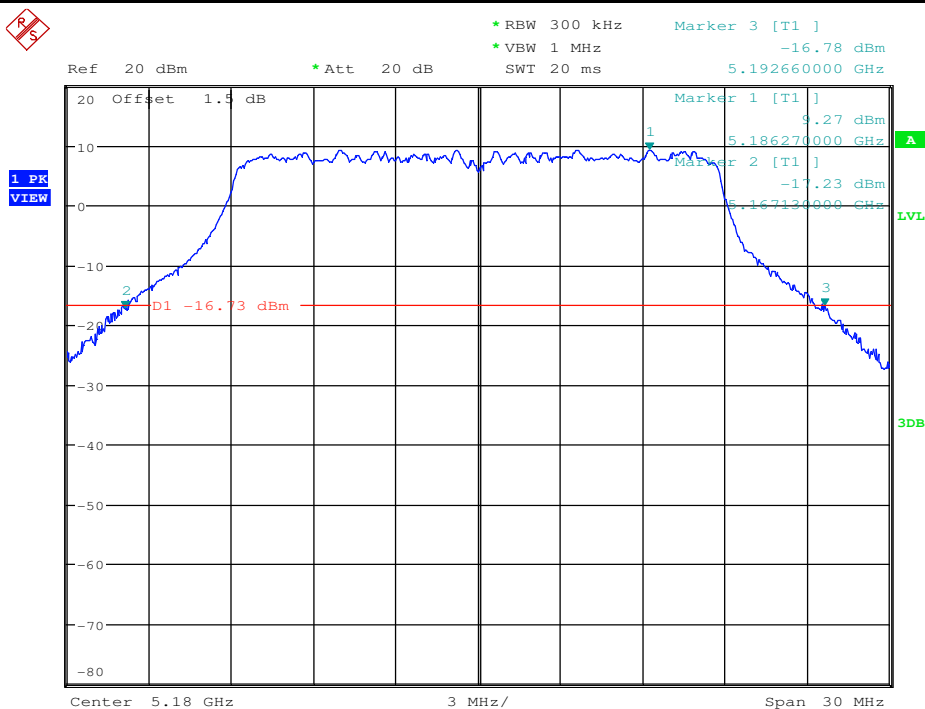
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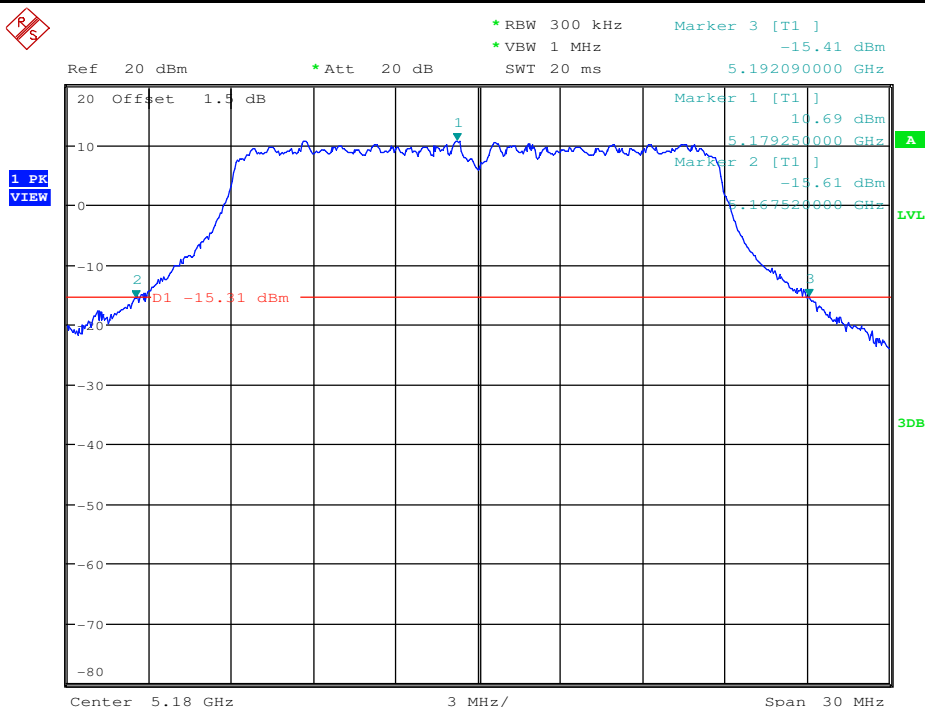
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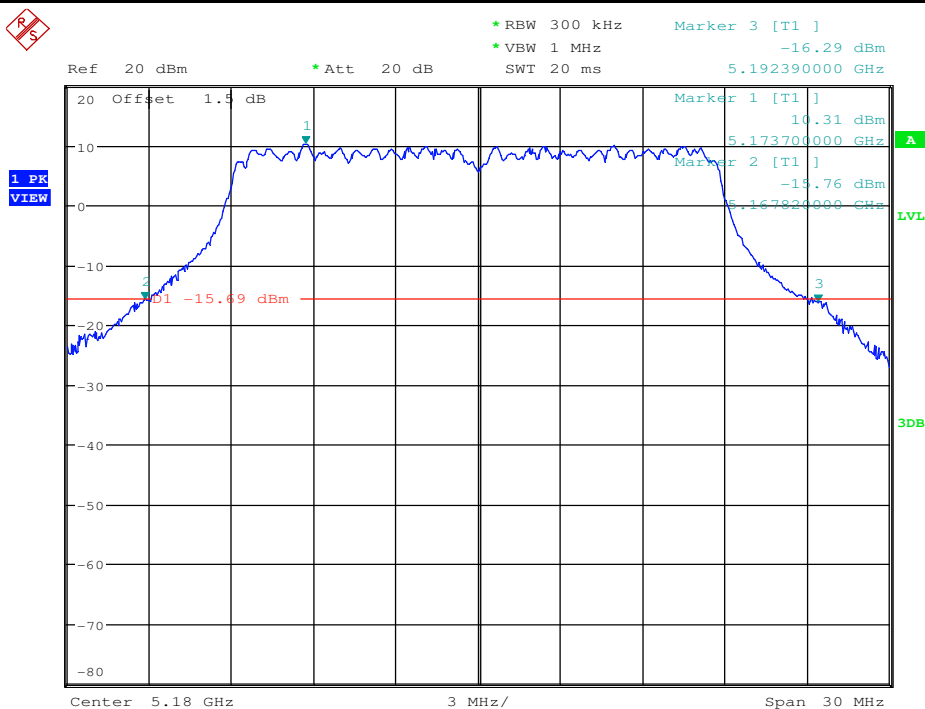
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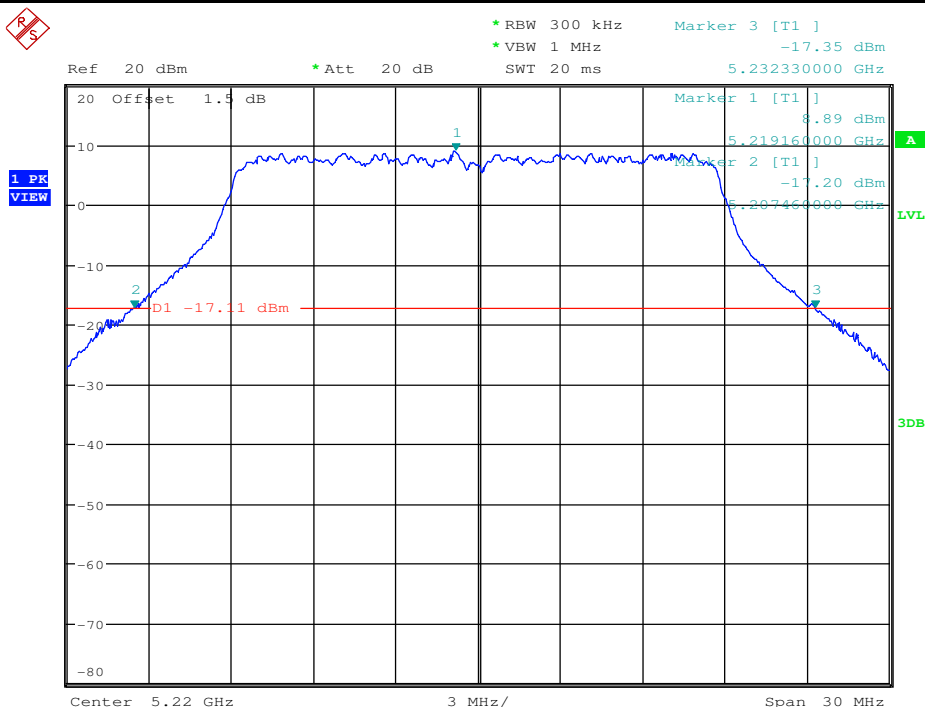
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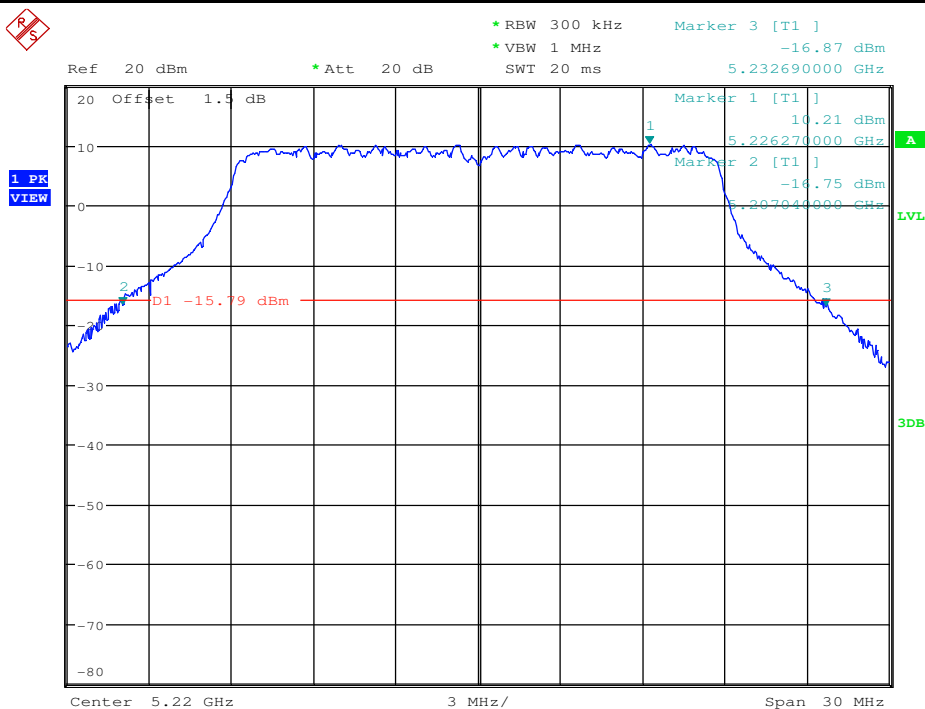
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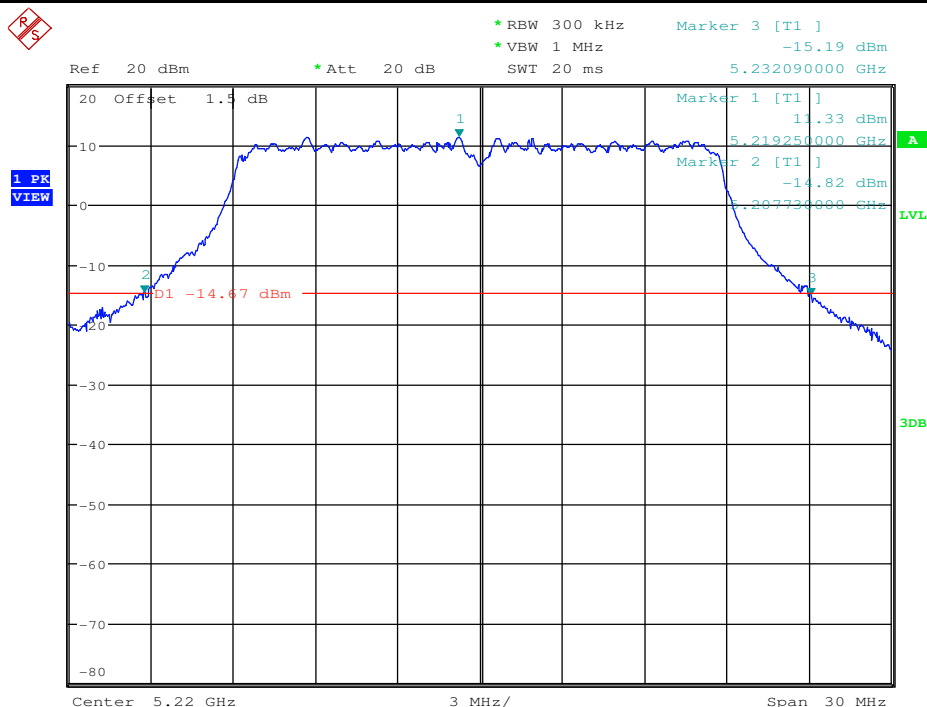
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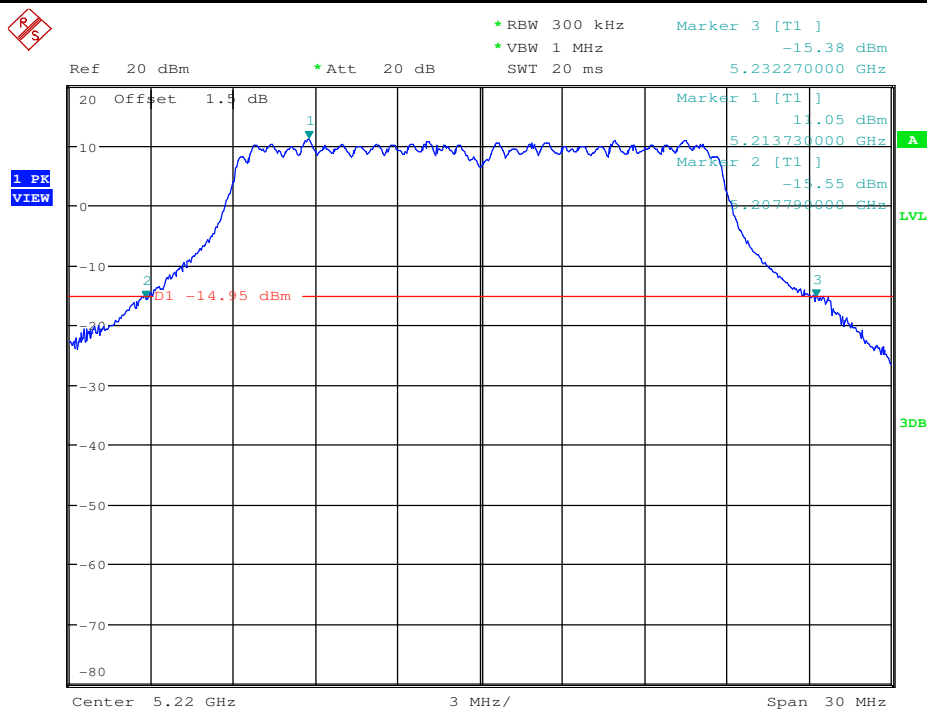
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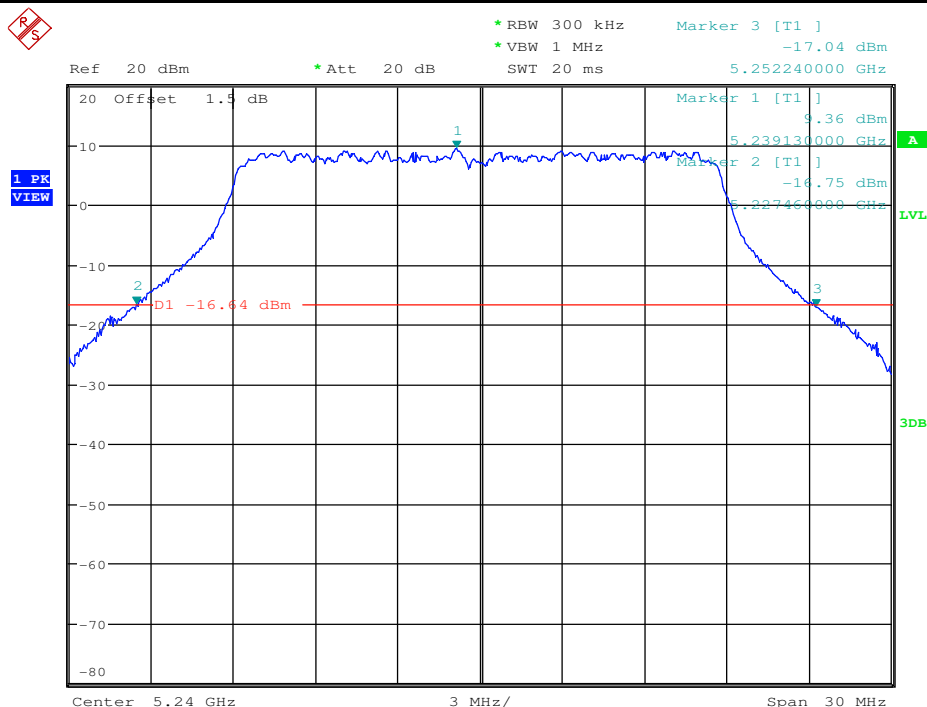
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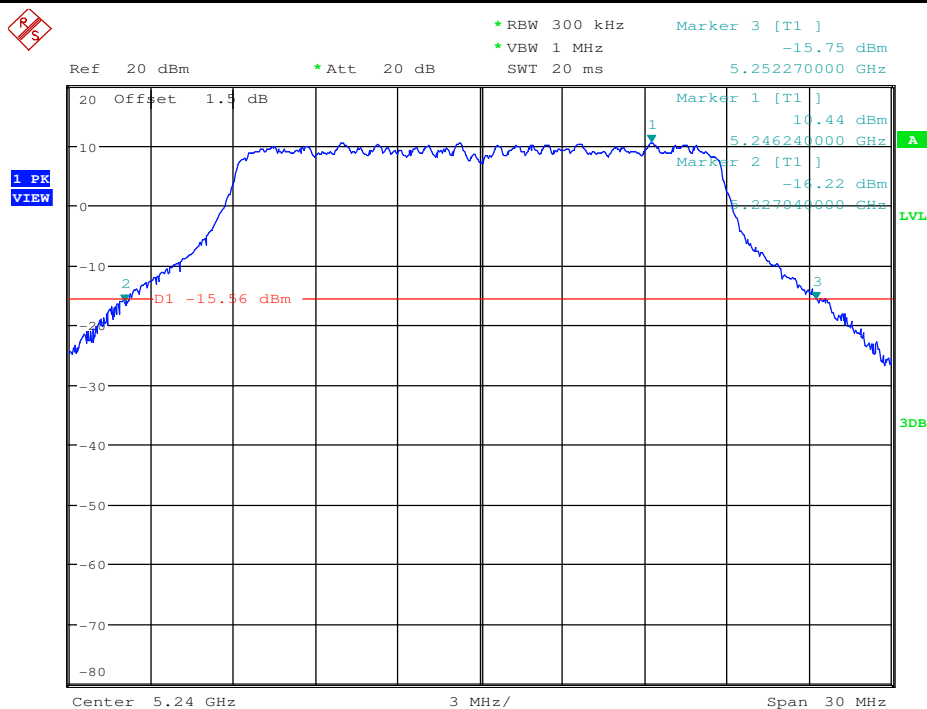
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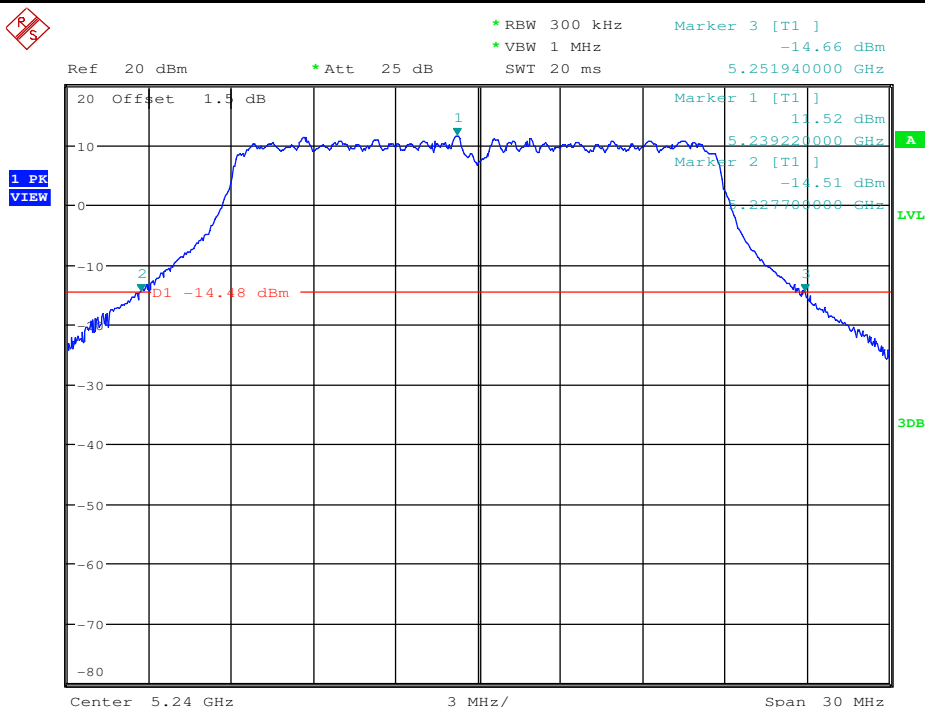
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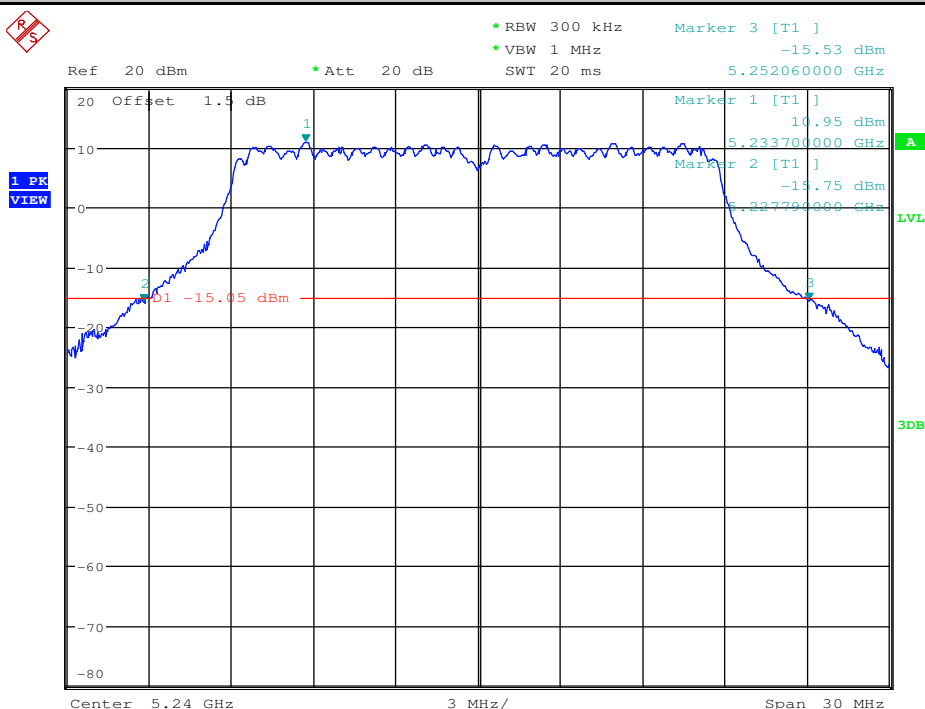
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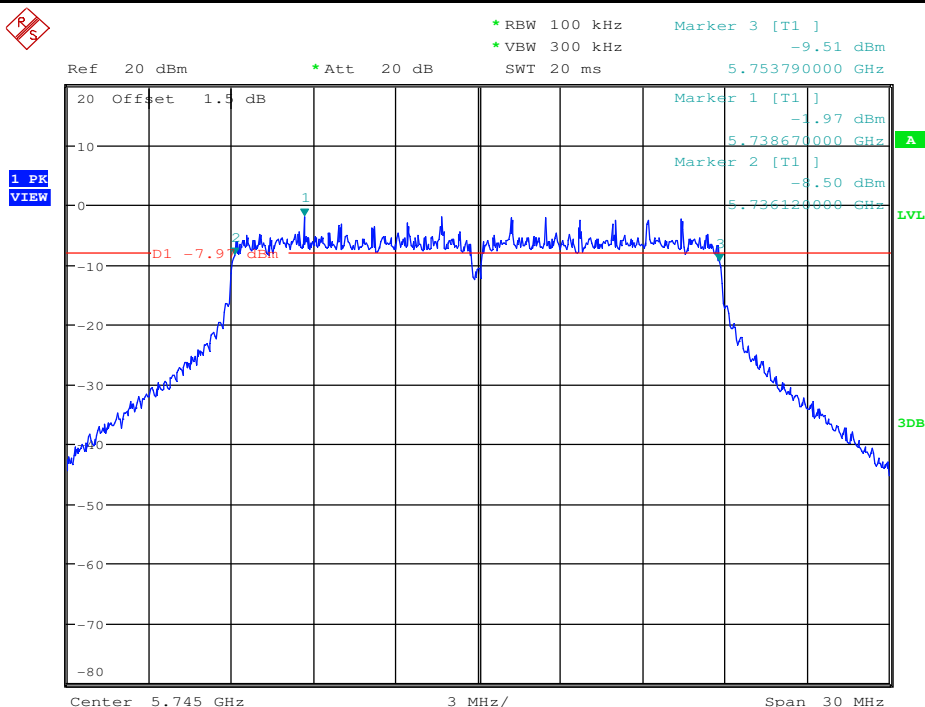
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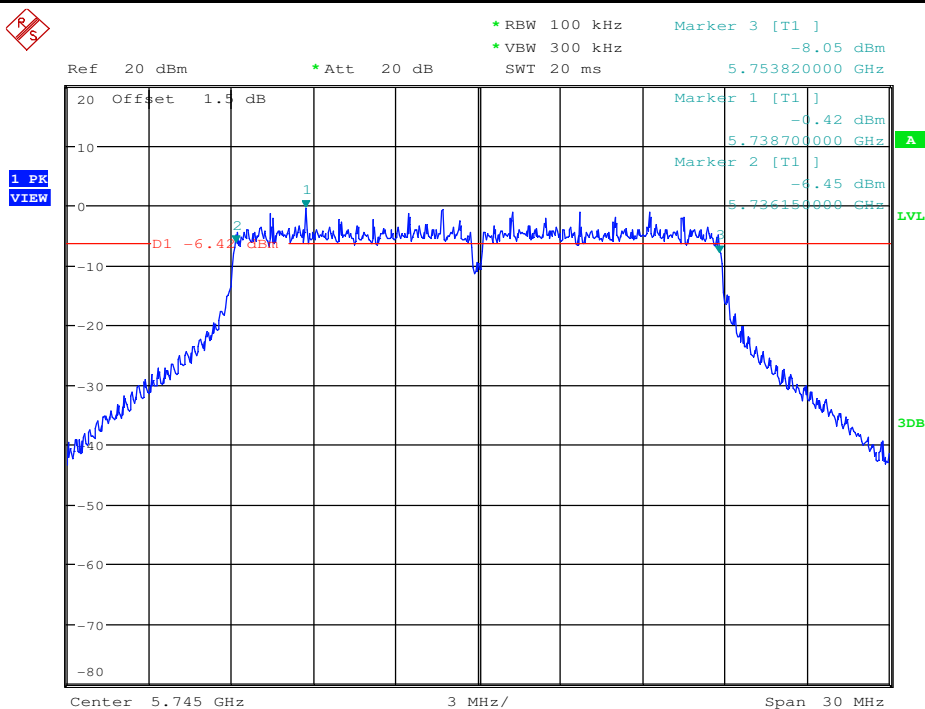
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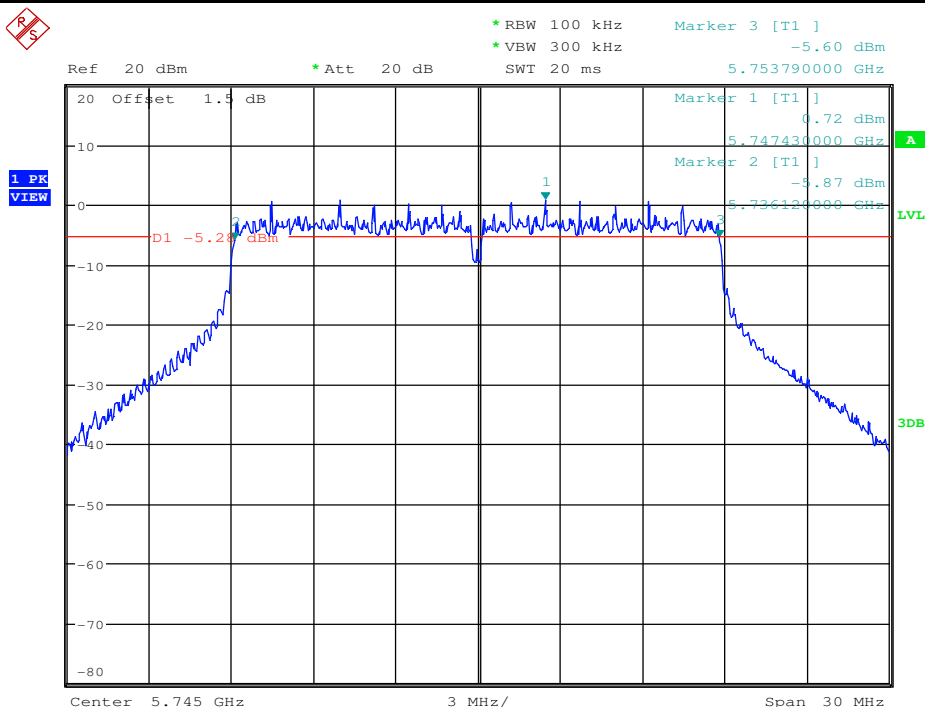
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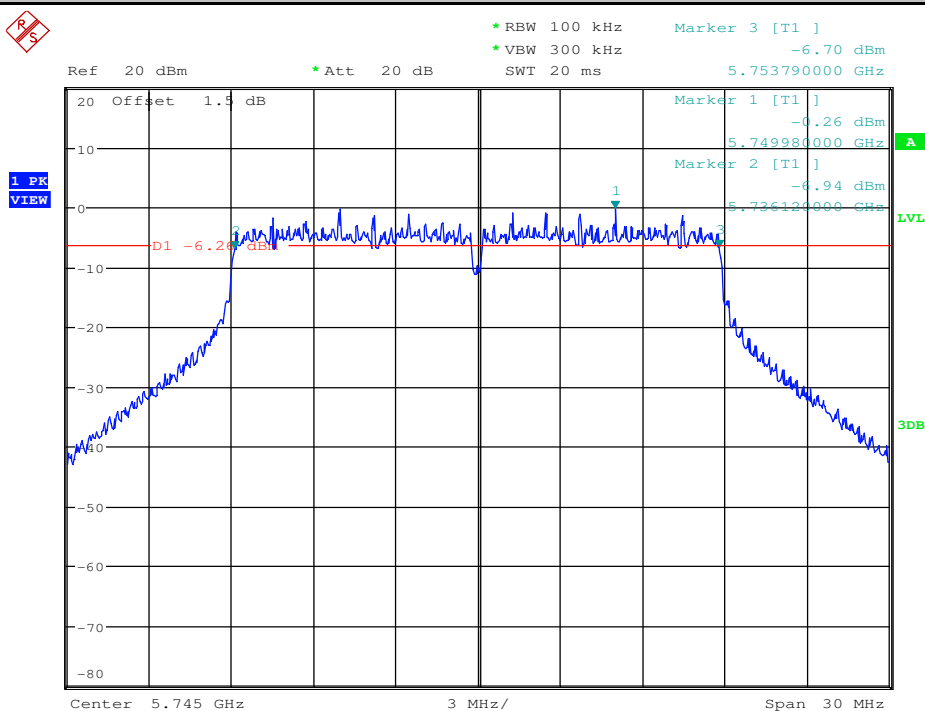
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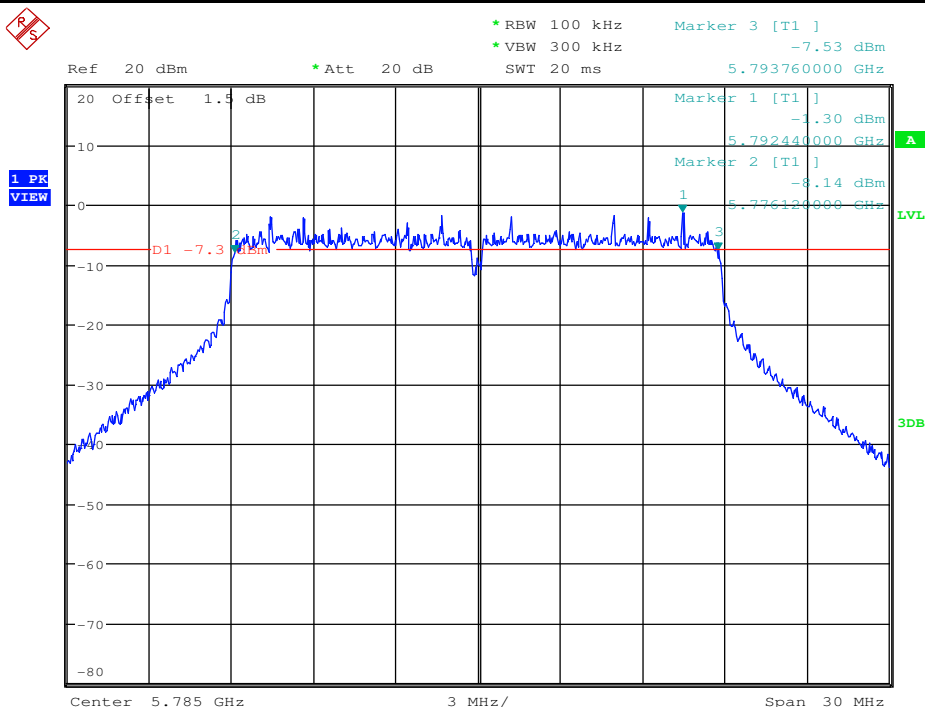
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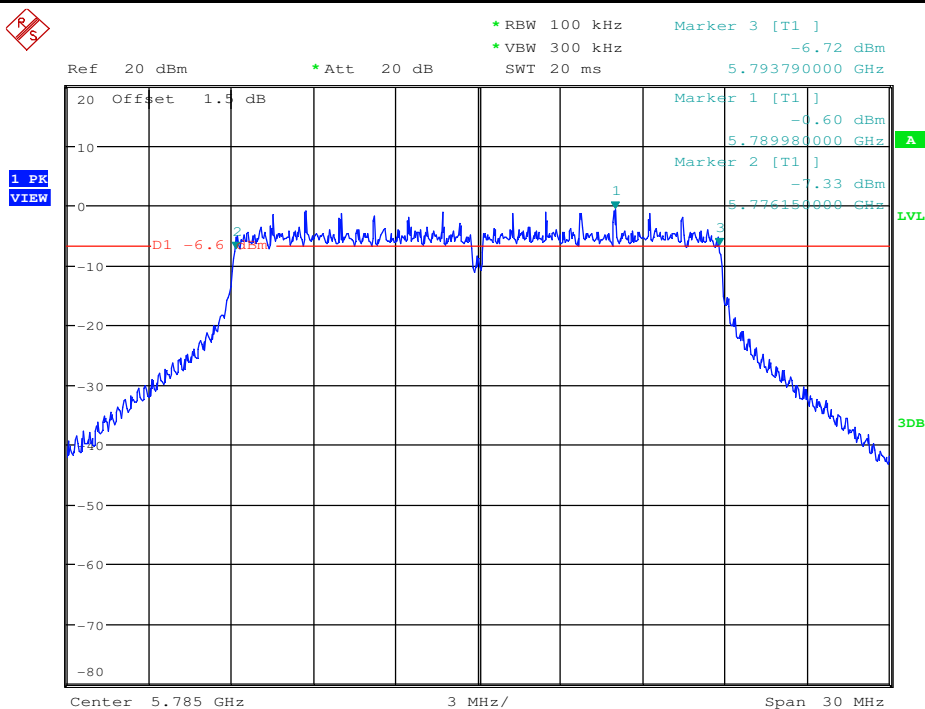
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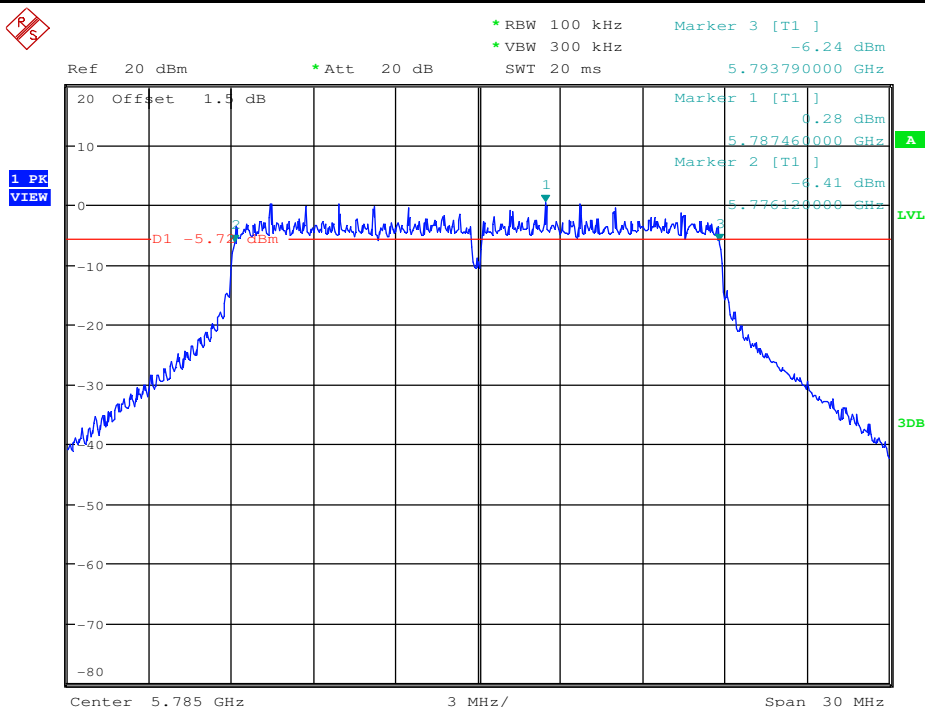
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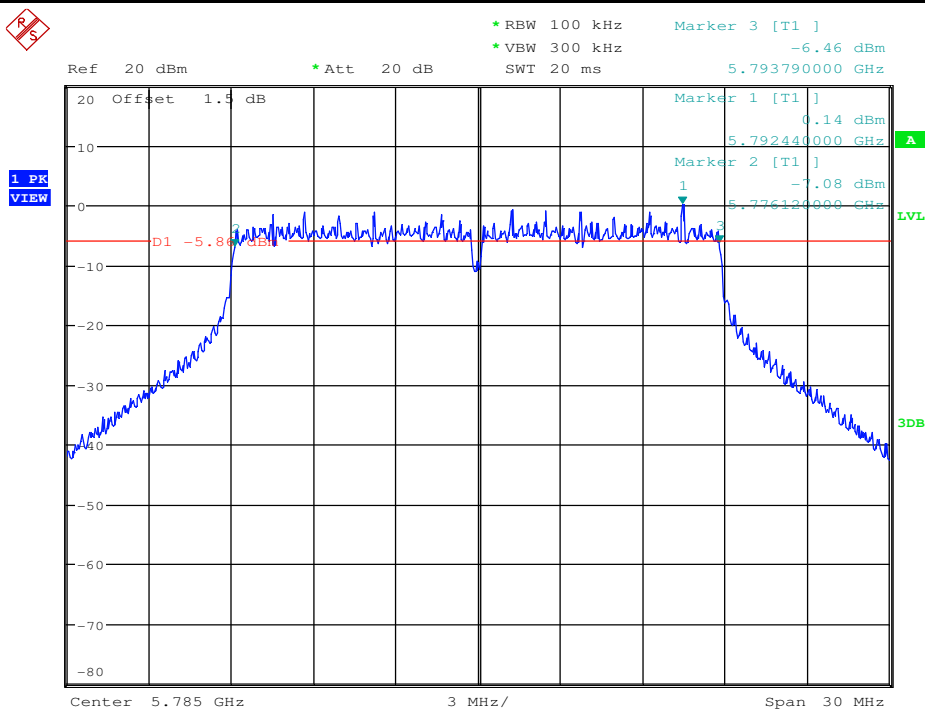
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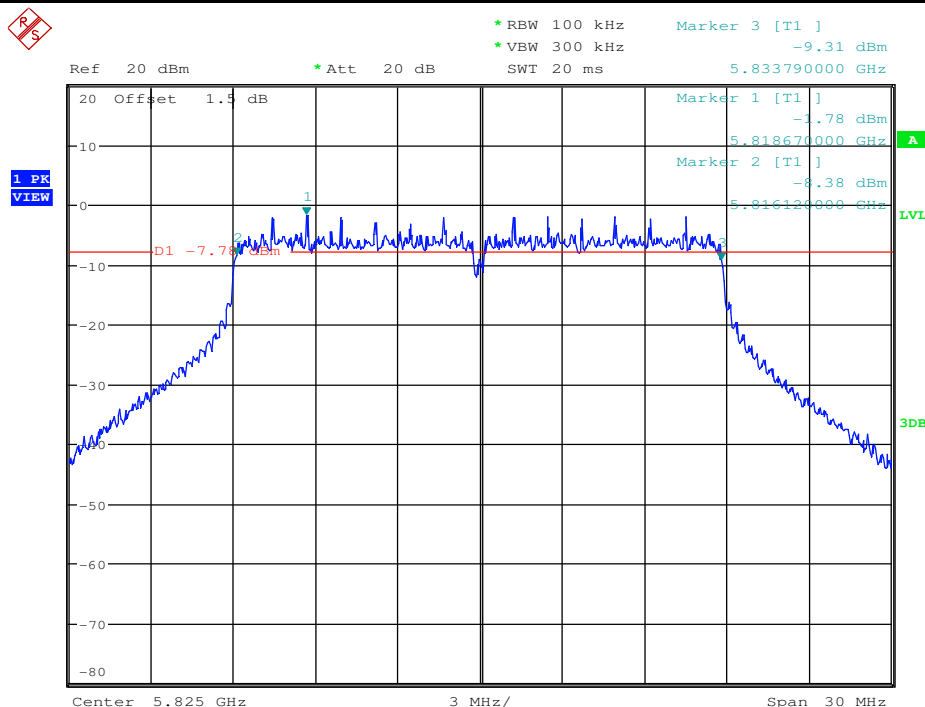
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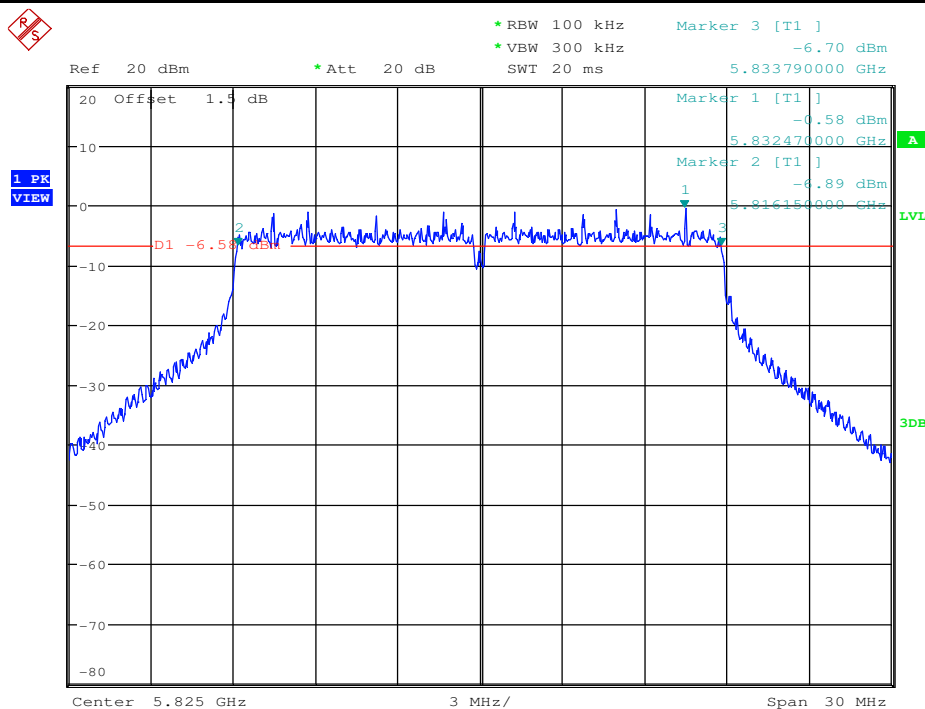
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## Emission Bandwidth Measurement 11N20 5825 Ant1



## Emission Bandwidth Measurement 11N20 5825 Ant2



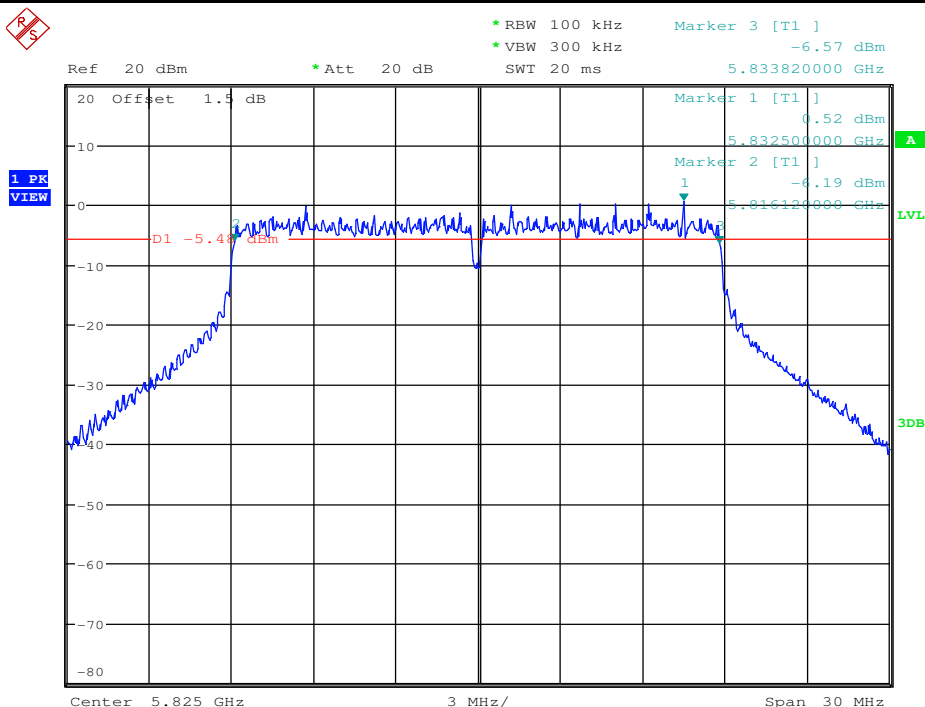
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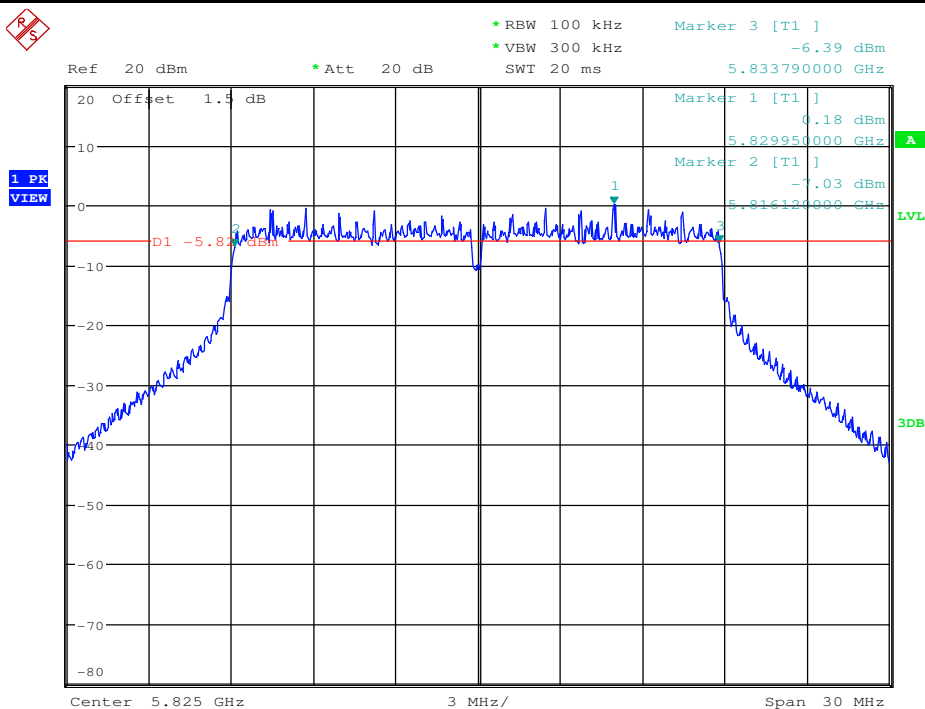
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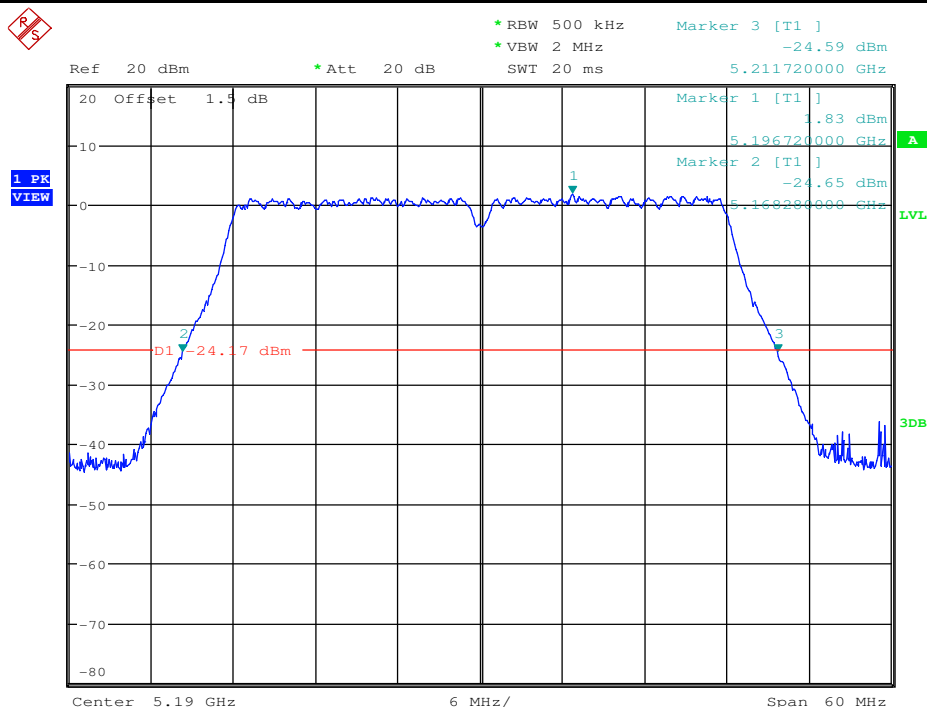
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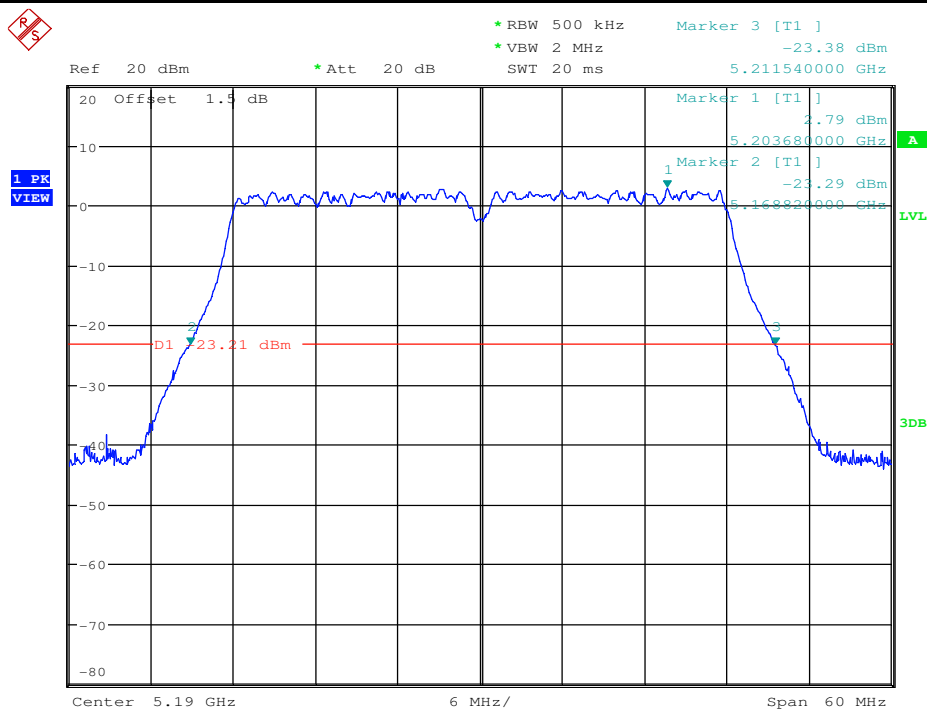
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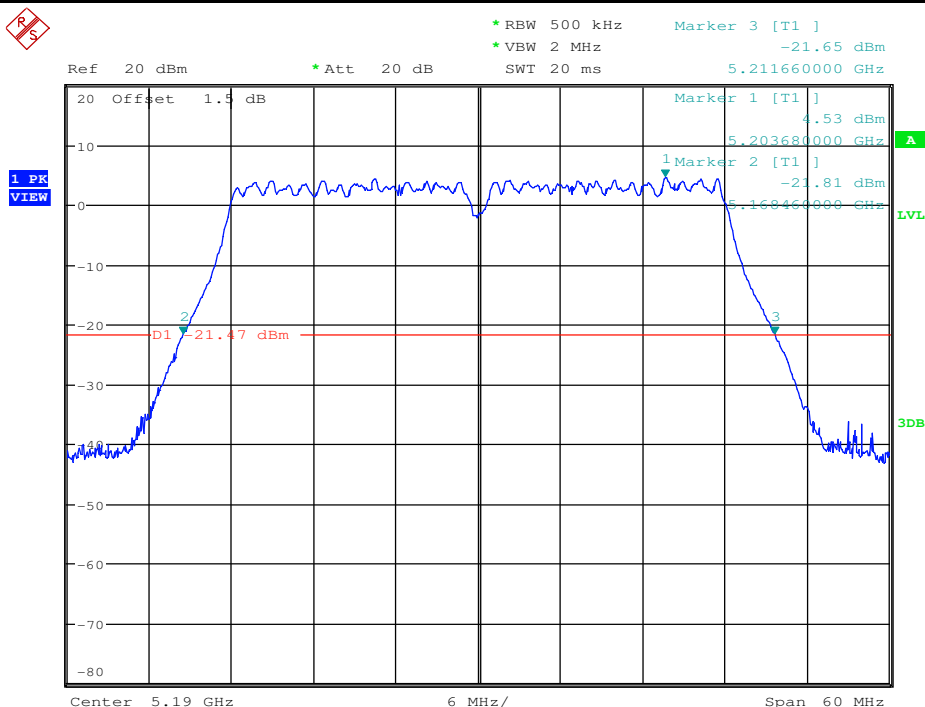
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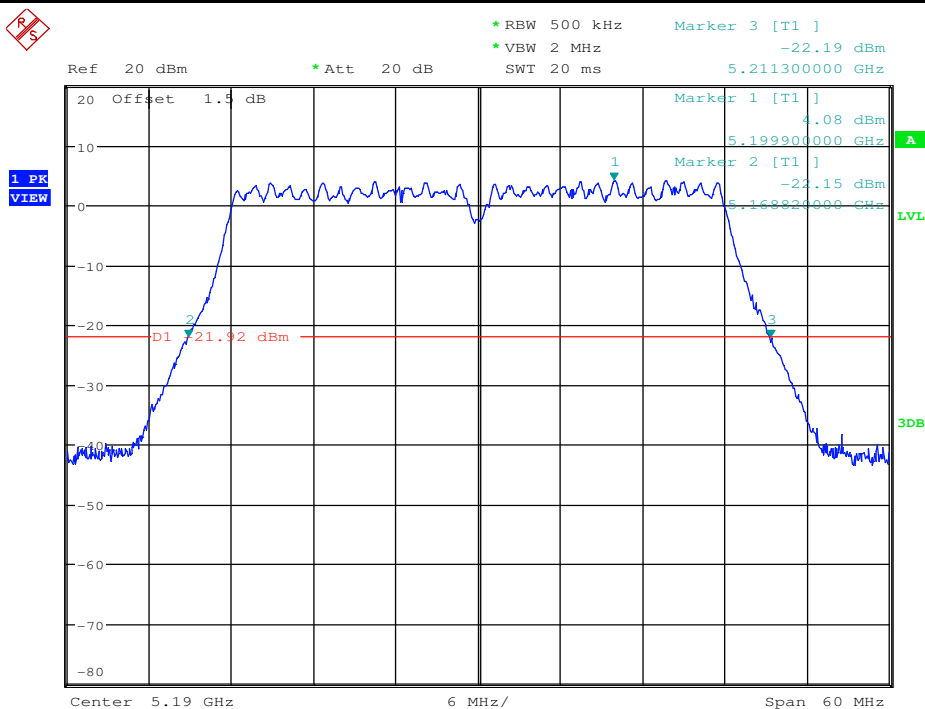
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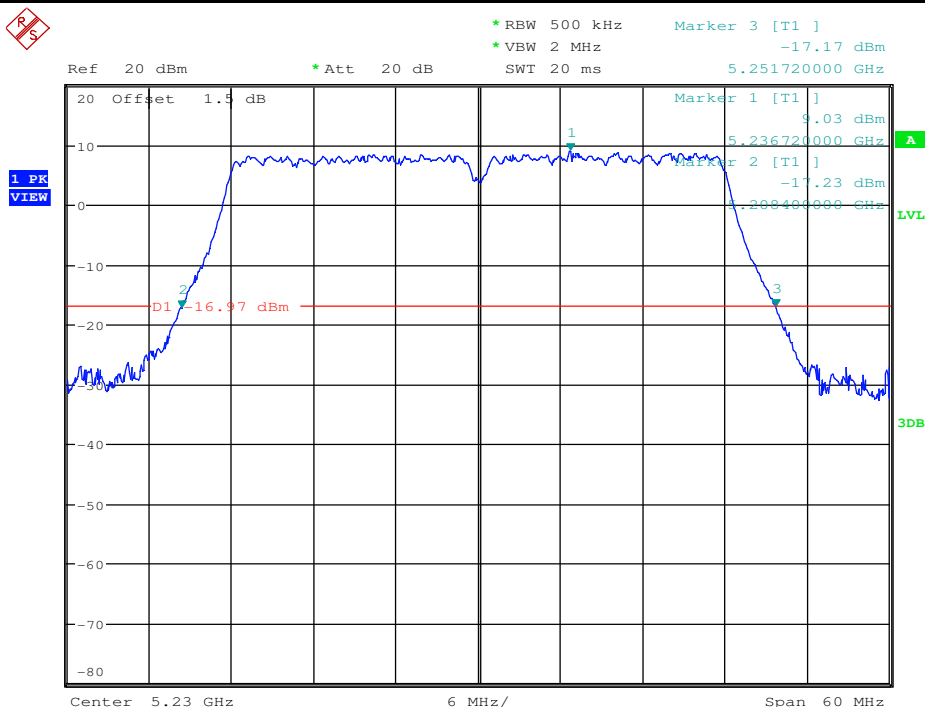
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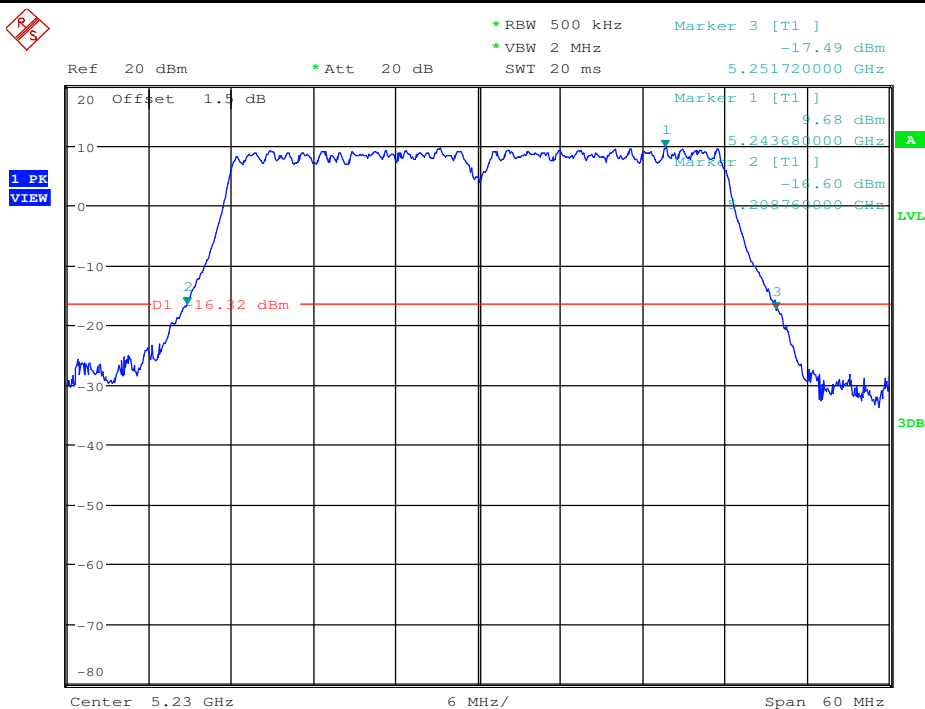
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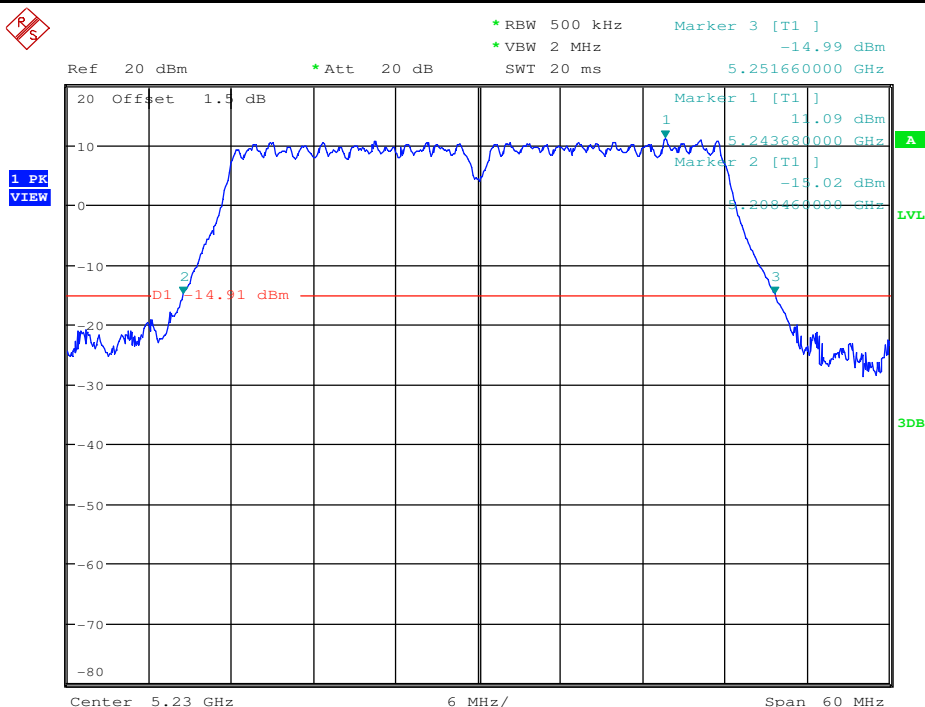
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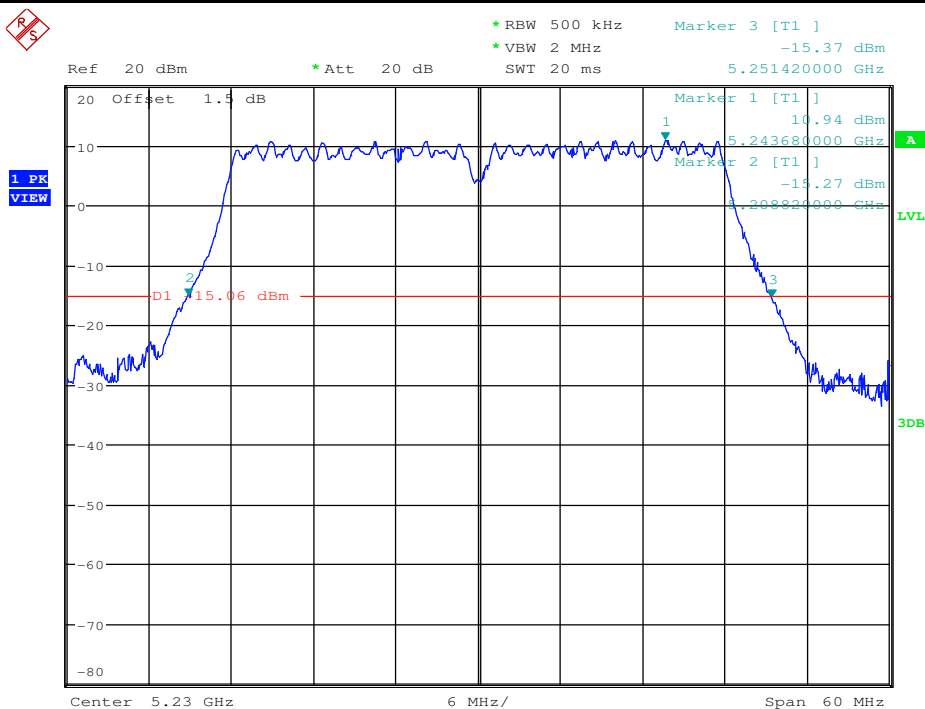
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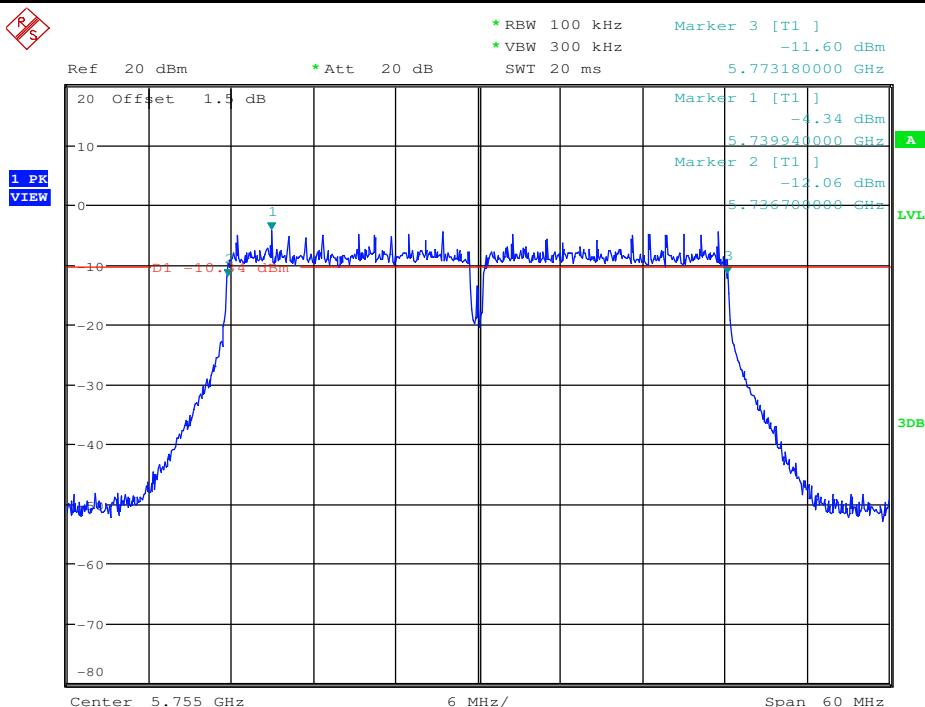
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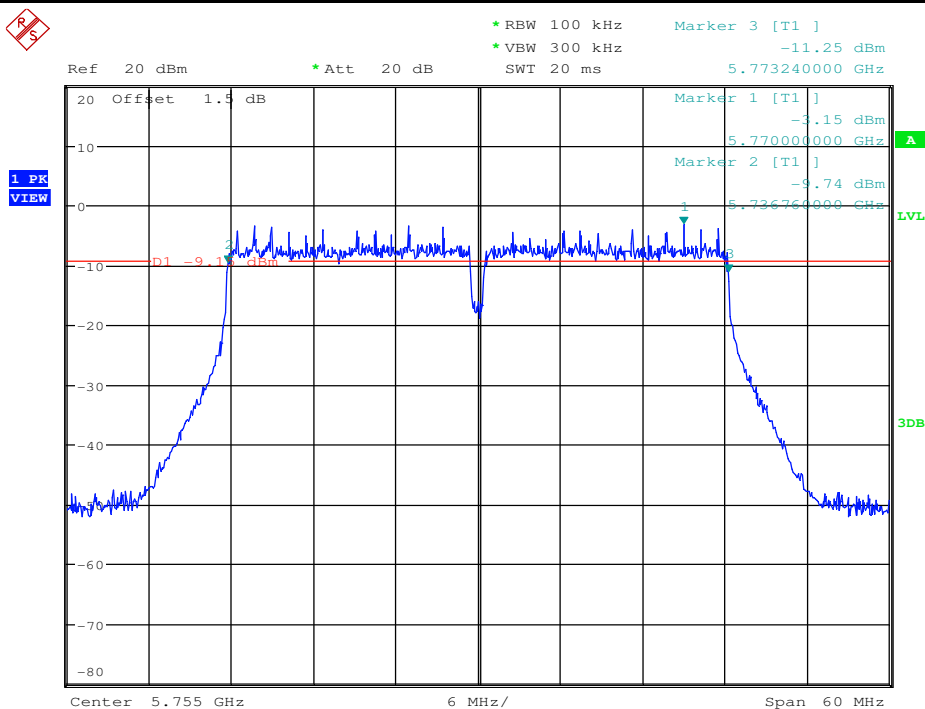
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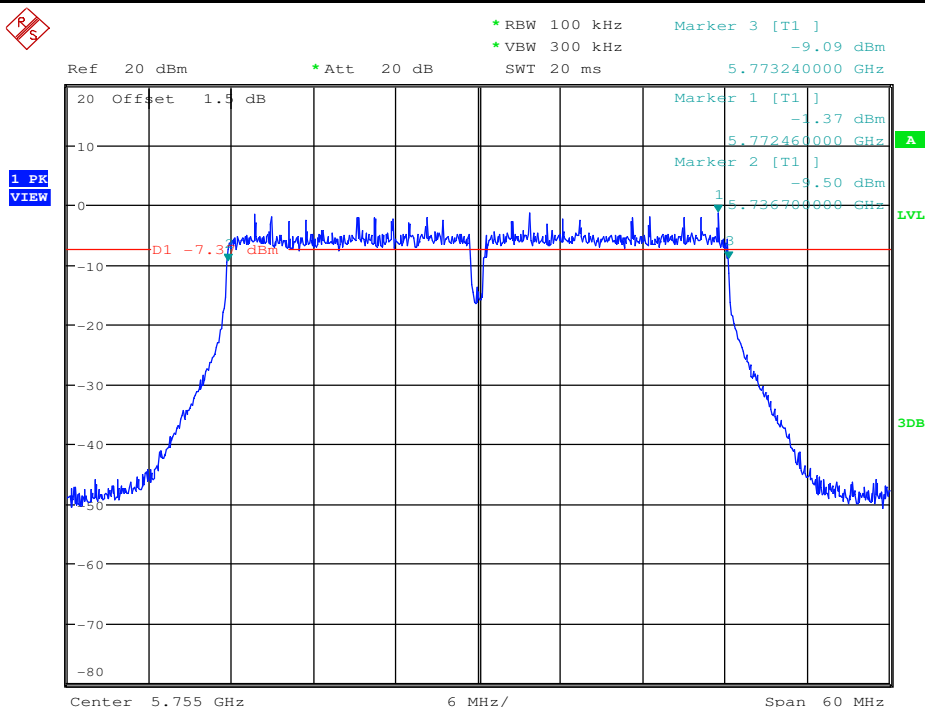
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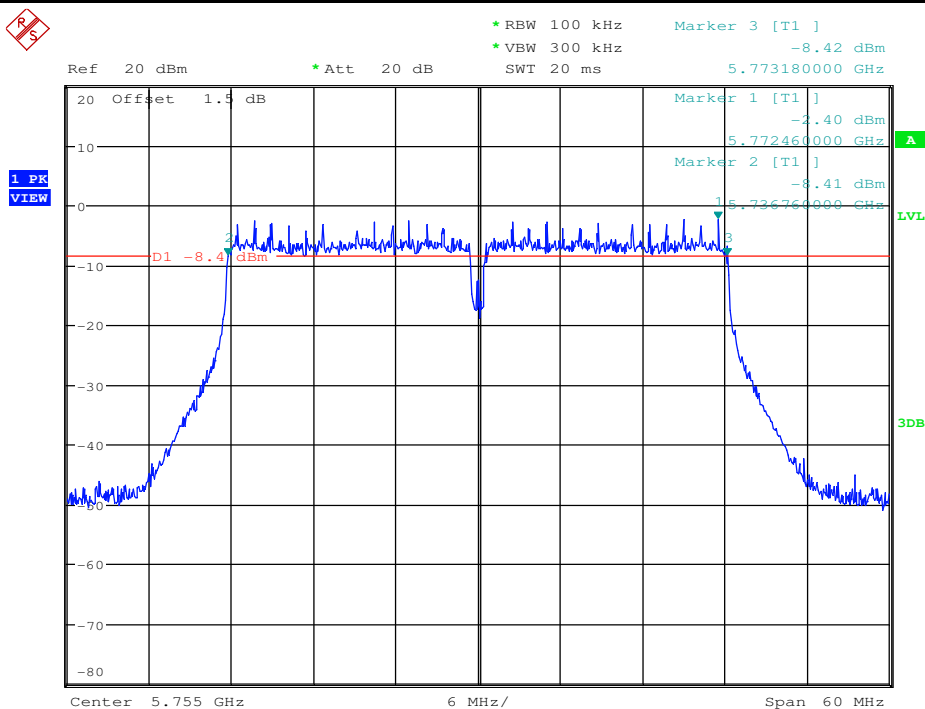
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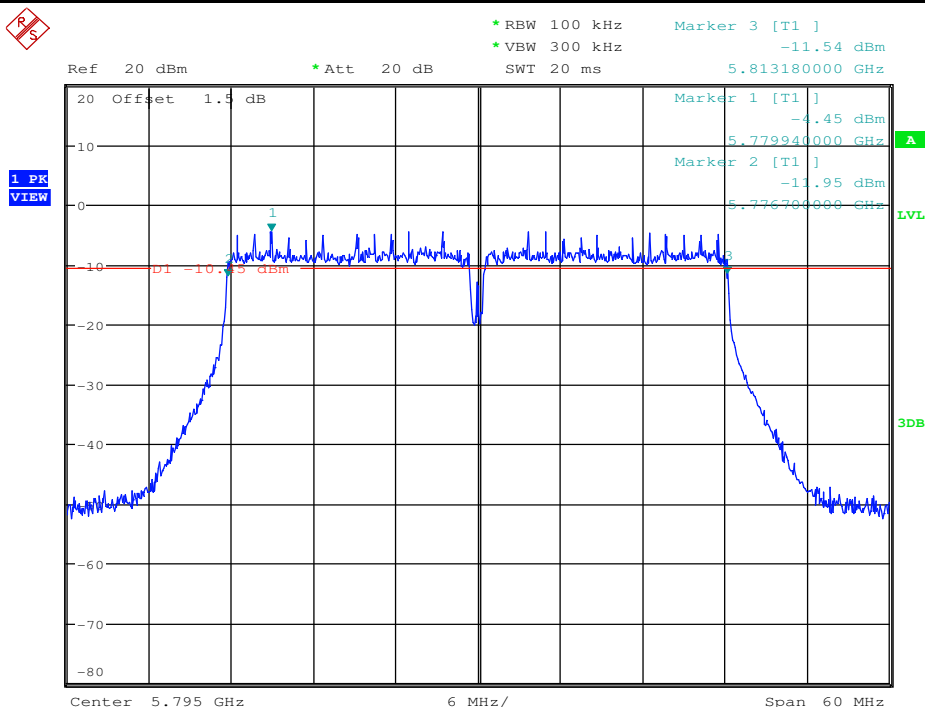
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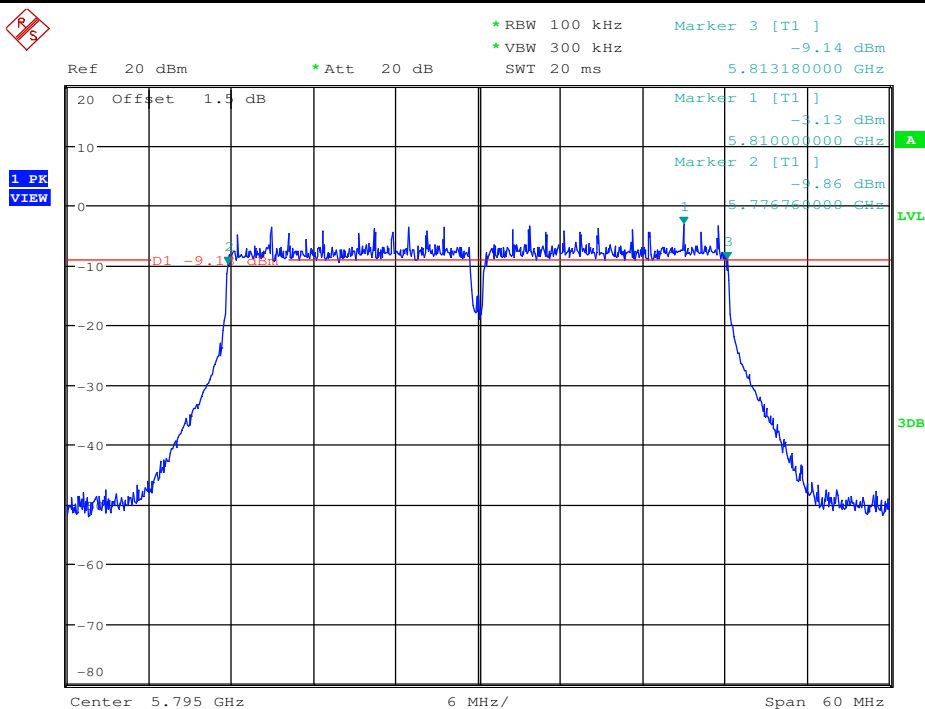
### Emission Bandwidth Measurement\_11N40\_5755\_Ant4



## Emission Bandwidth Measurement 11N40 5795 Ant1



## Emission Bandwidth Measurement 11N40 5795 Ant2



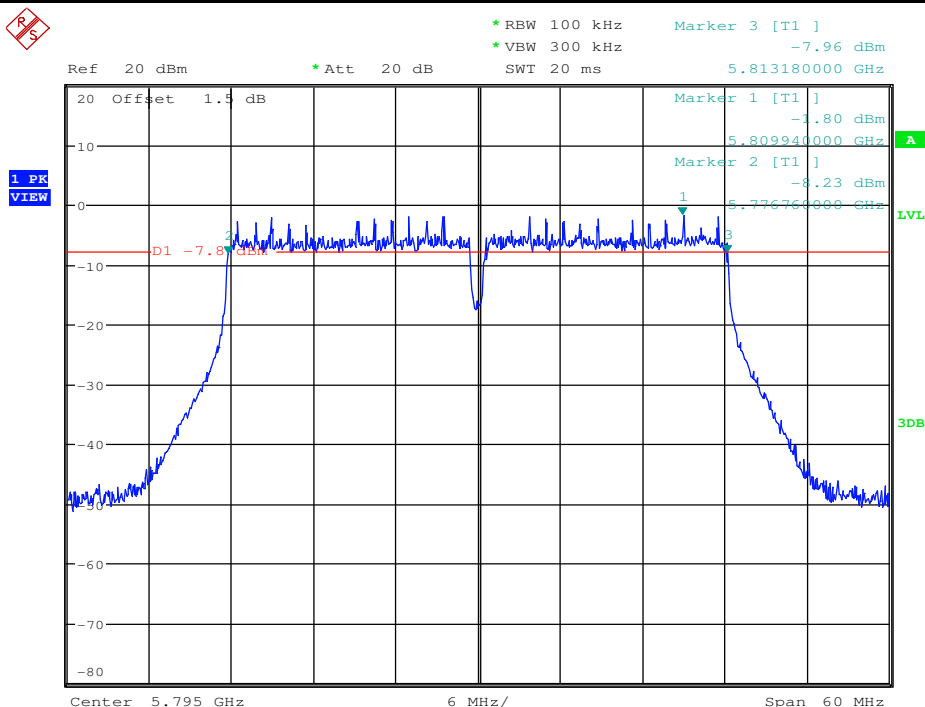
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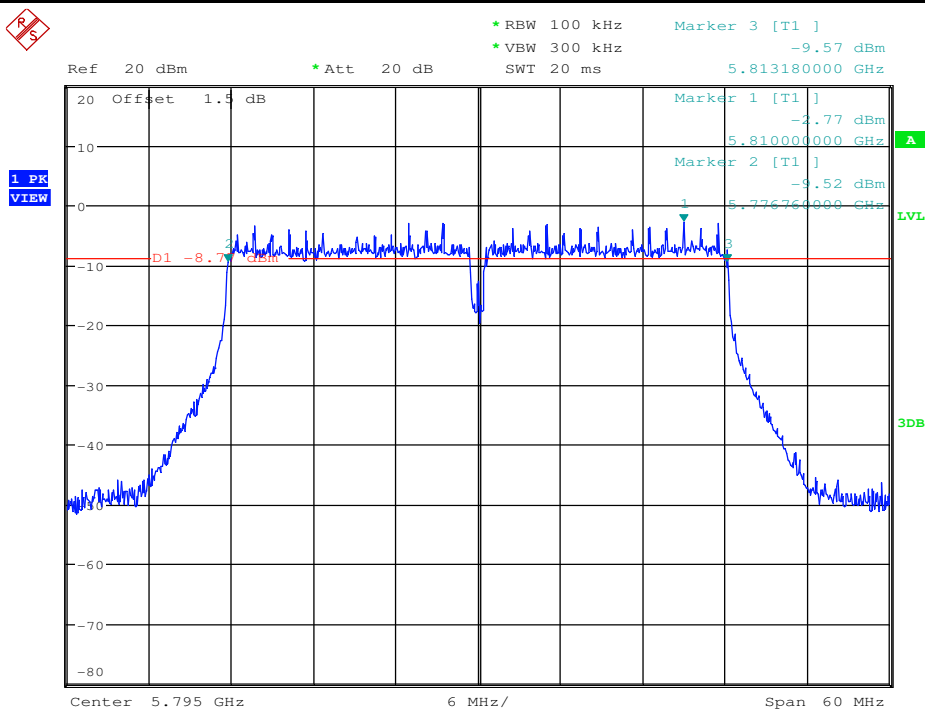
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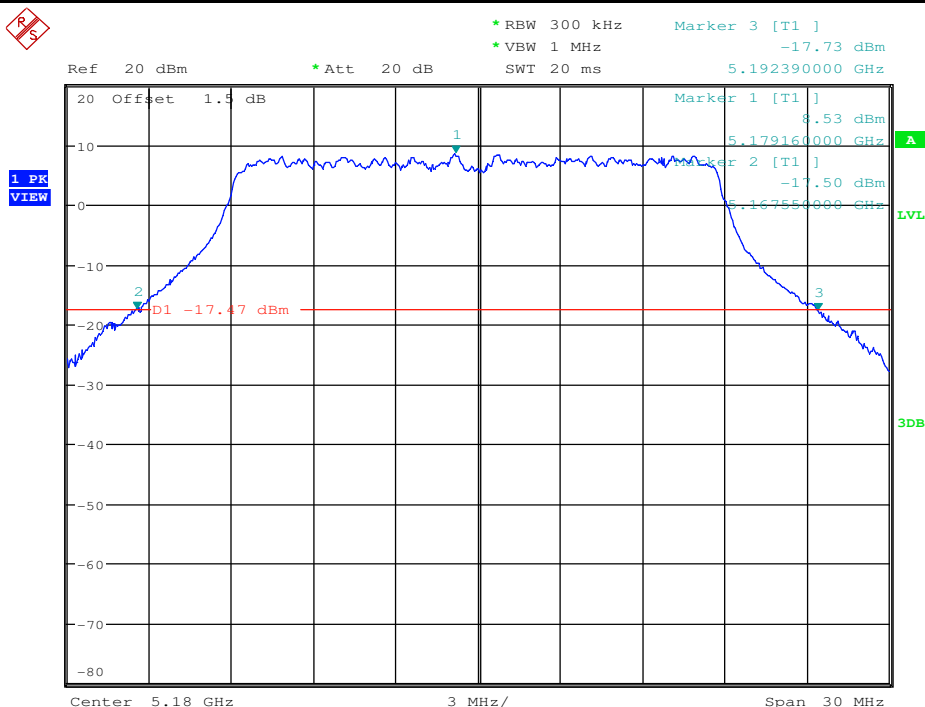
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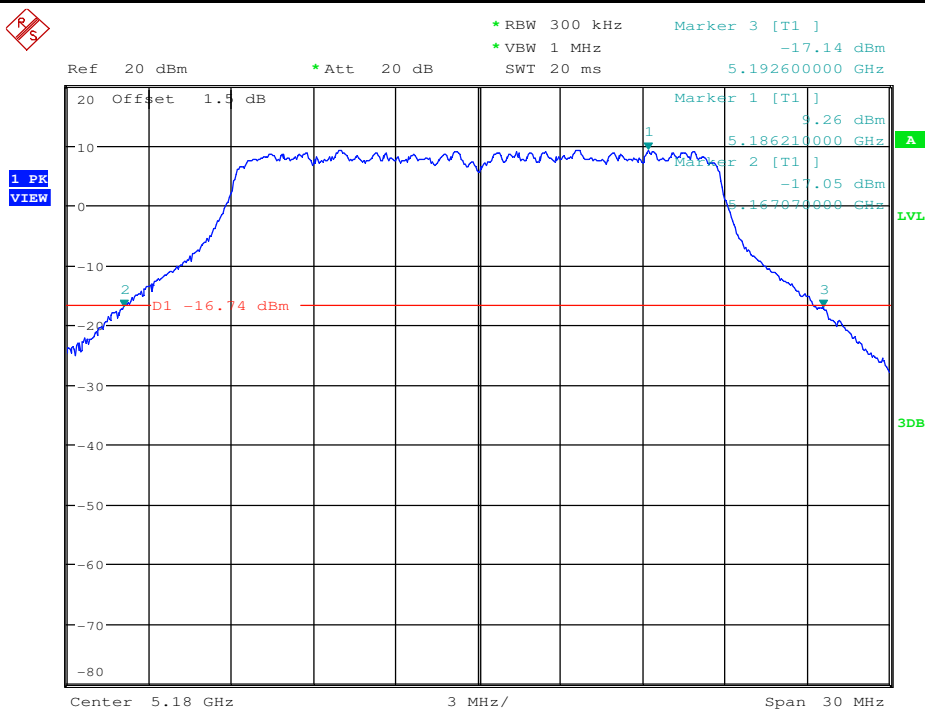
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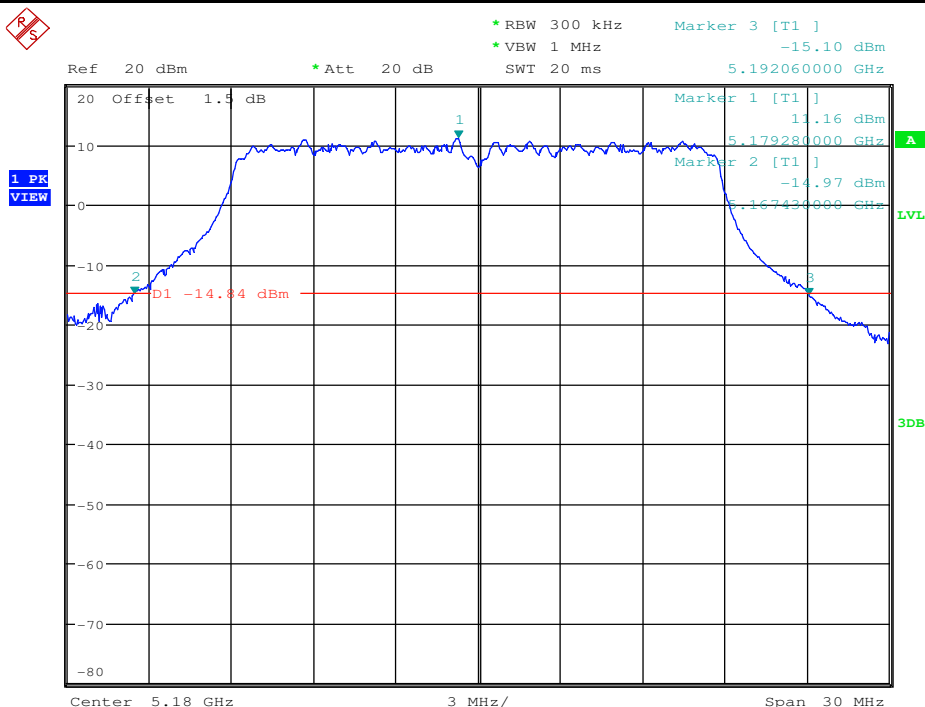
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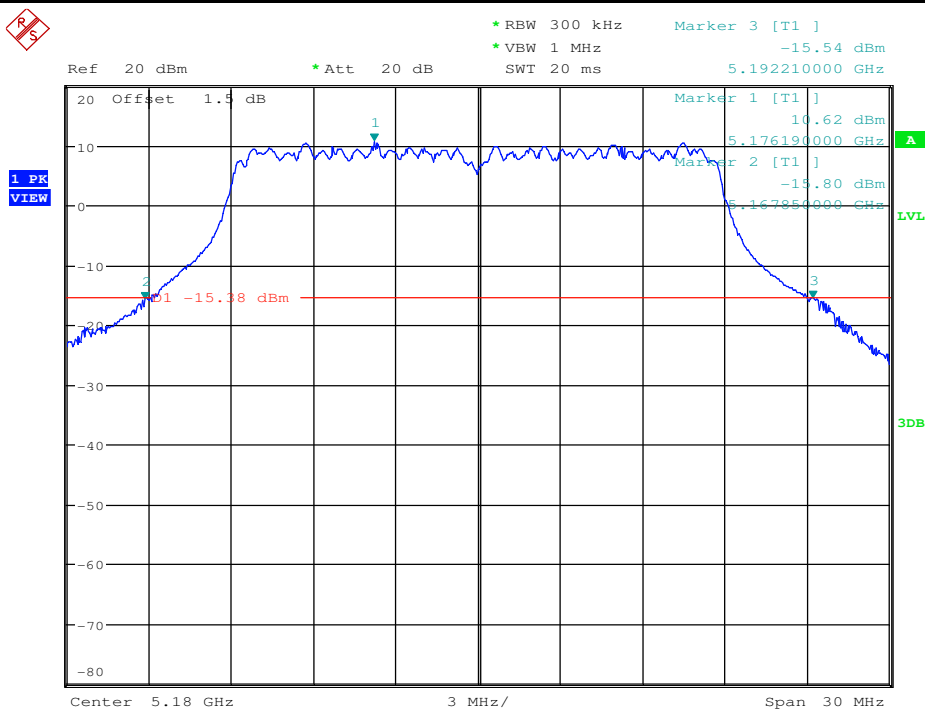
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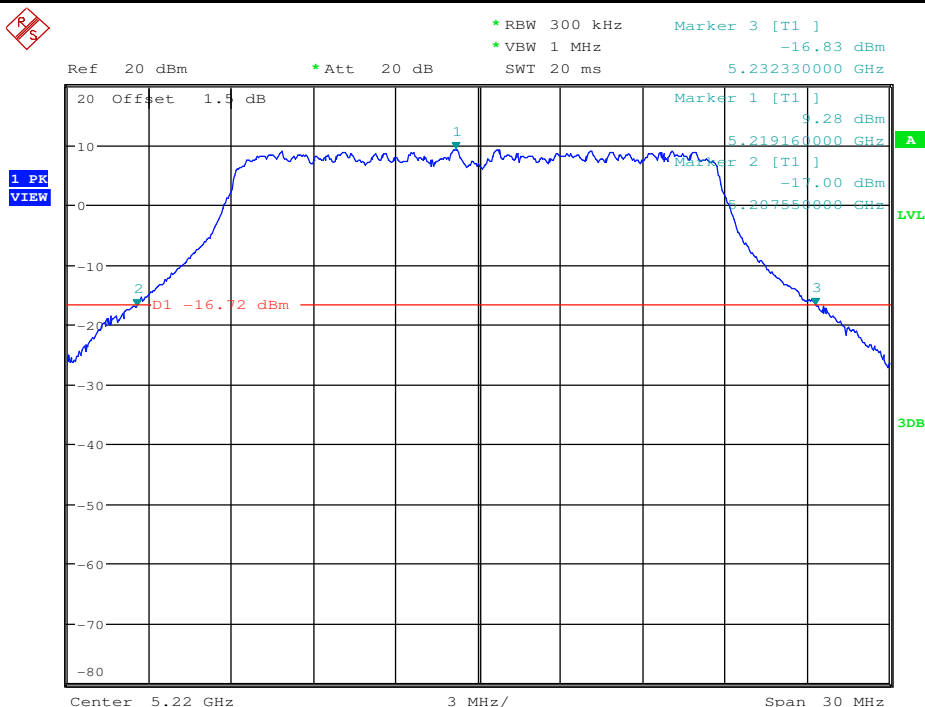
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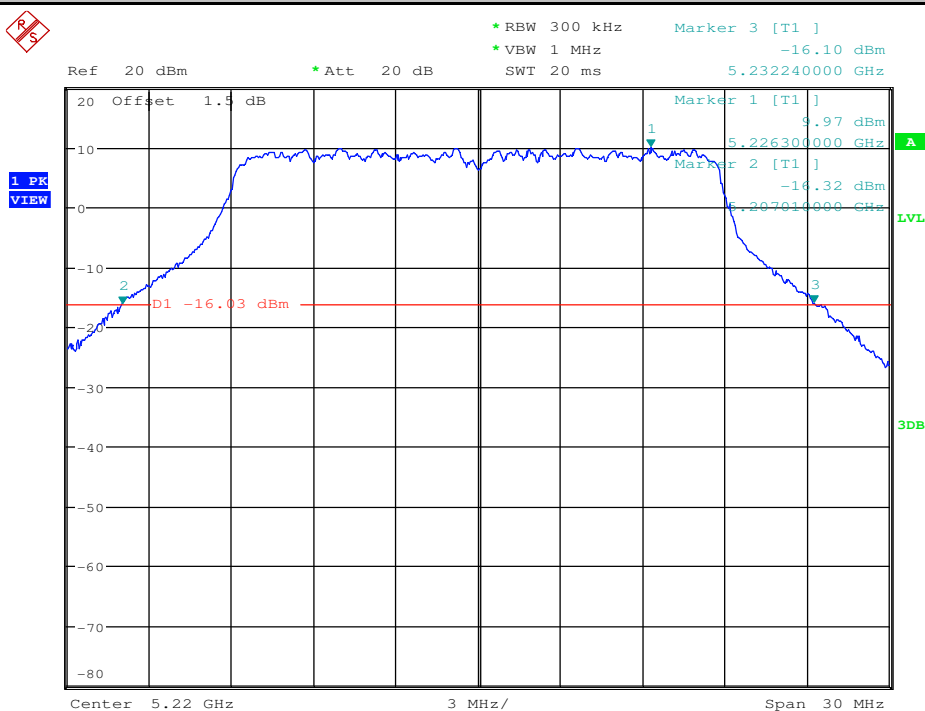
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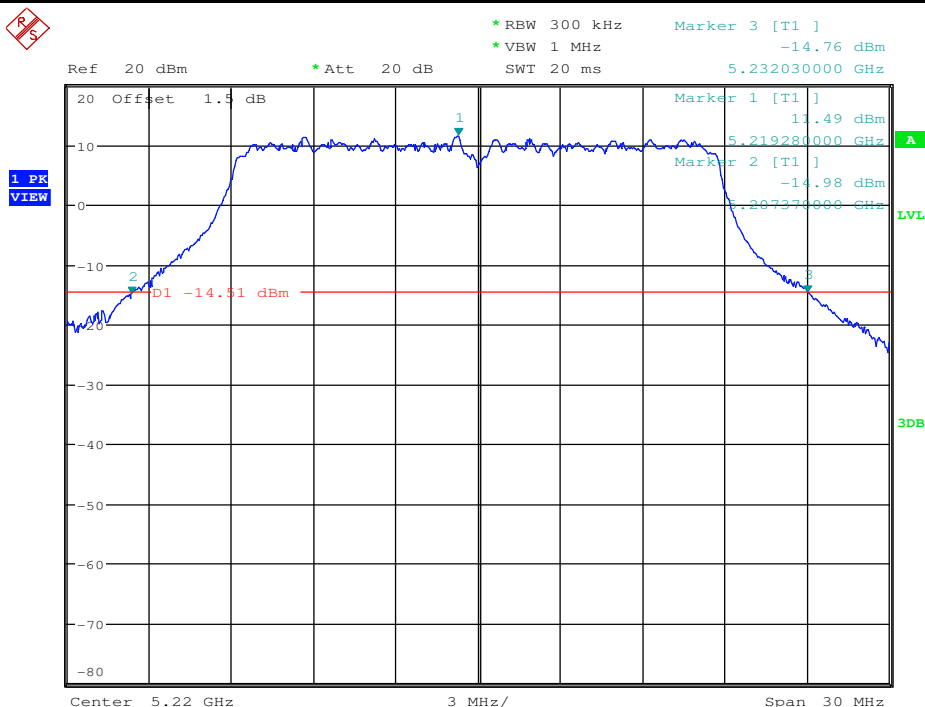
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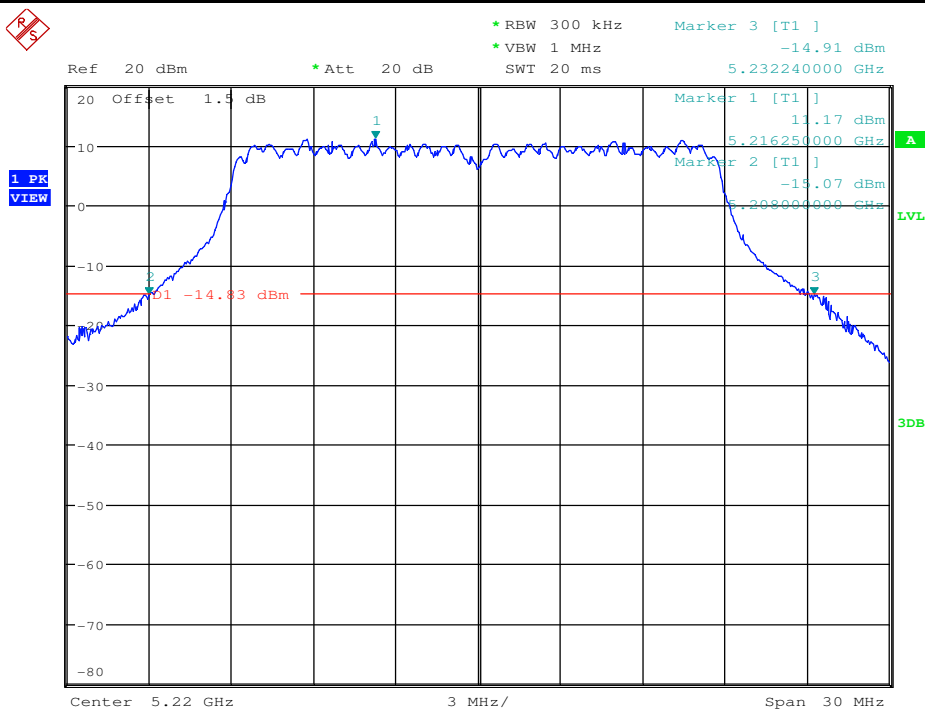
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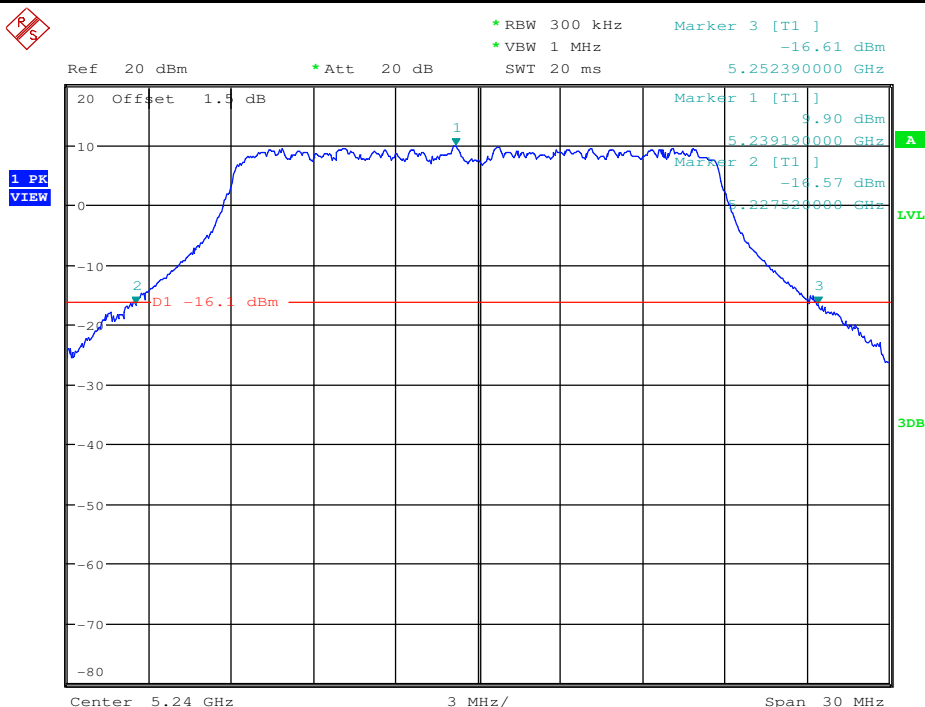
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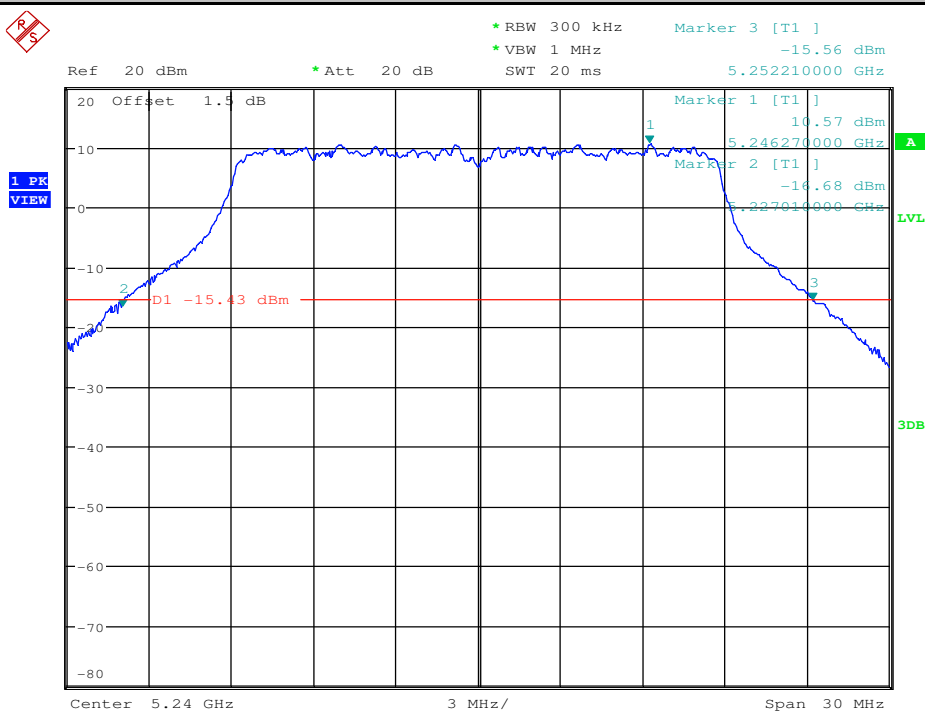
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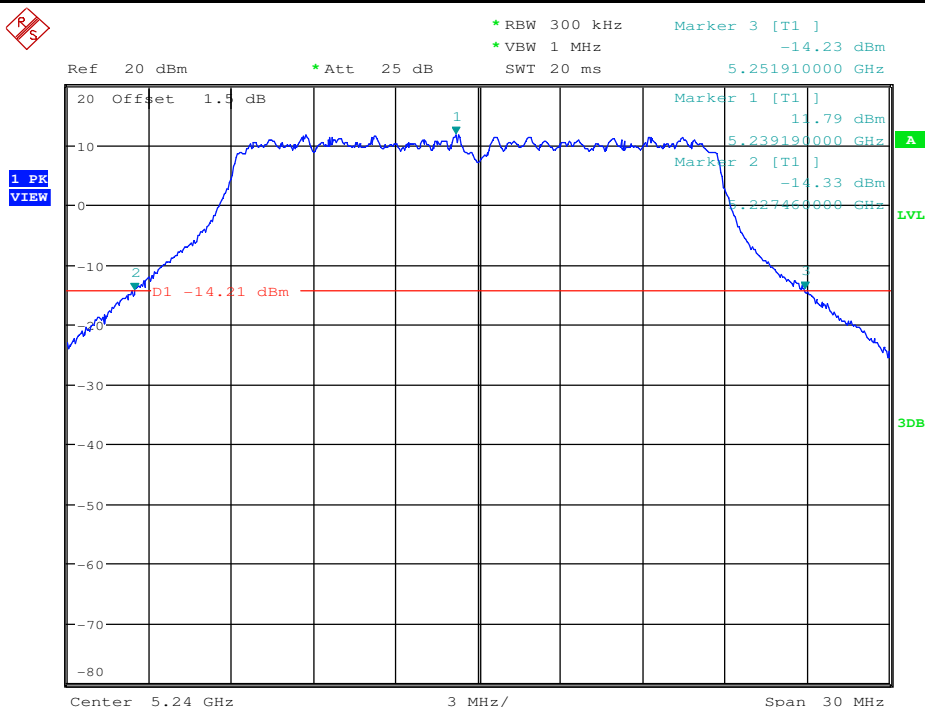
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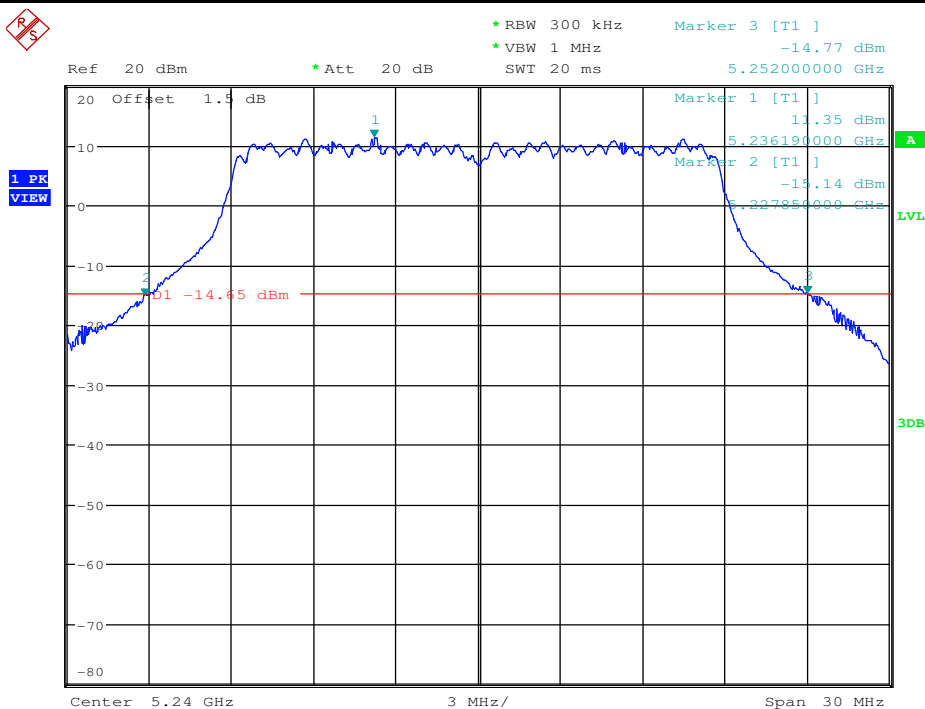
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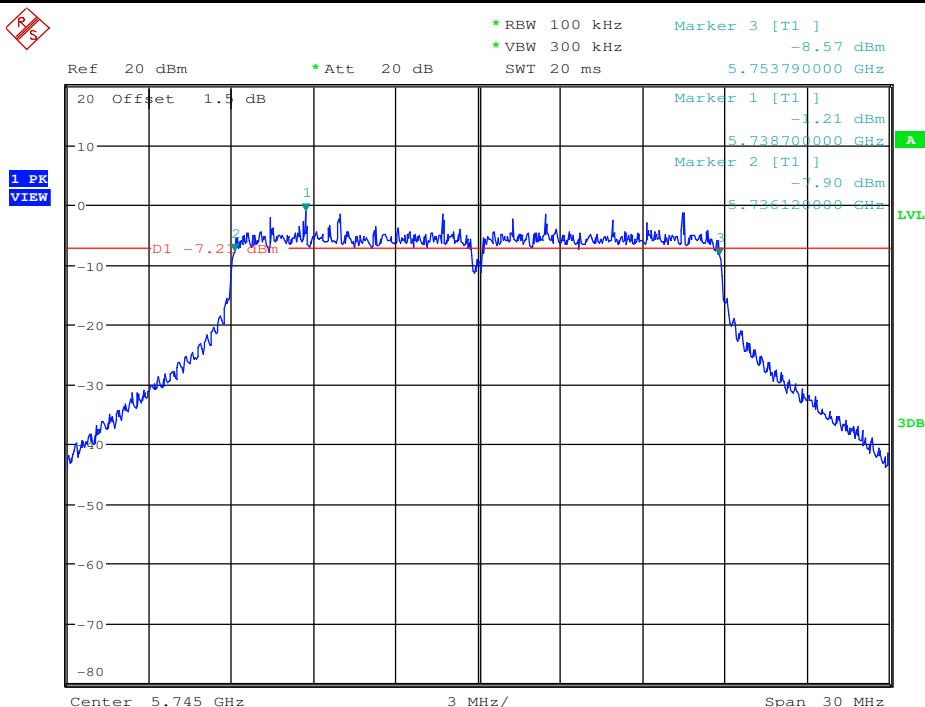
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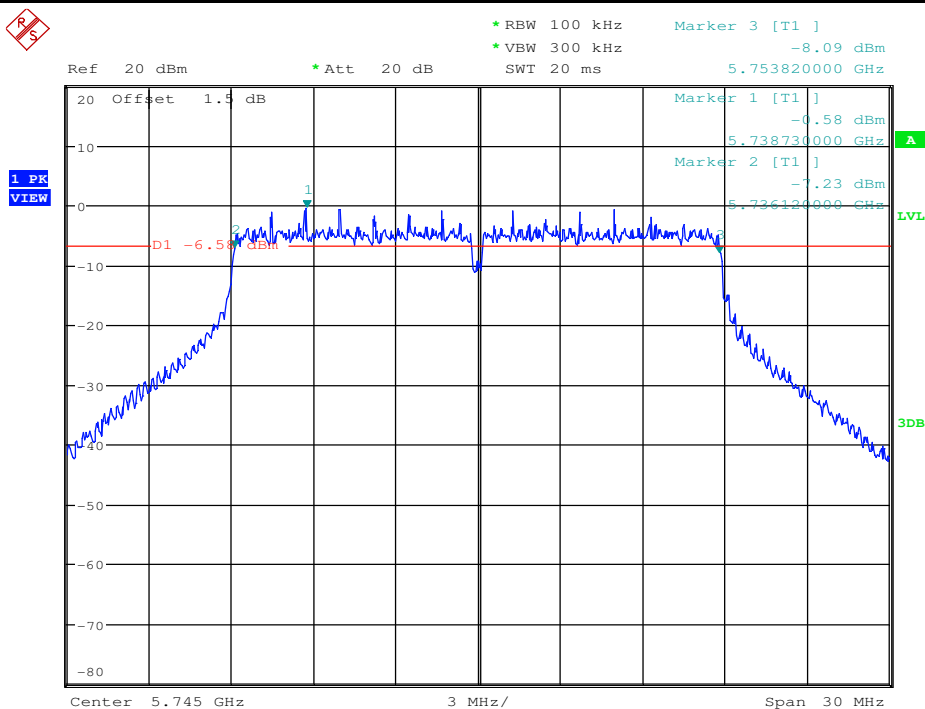
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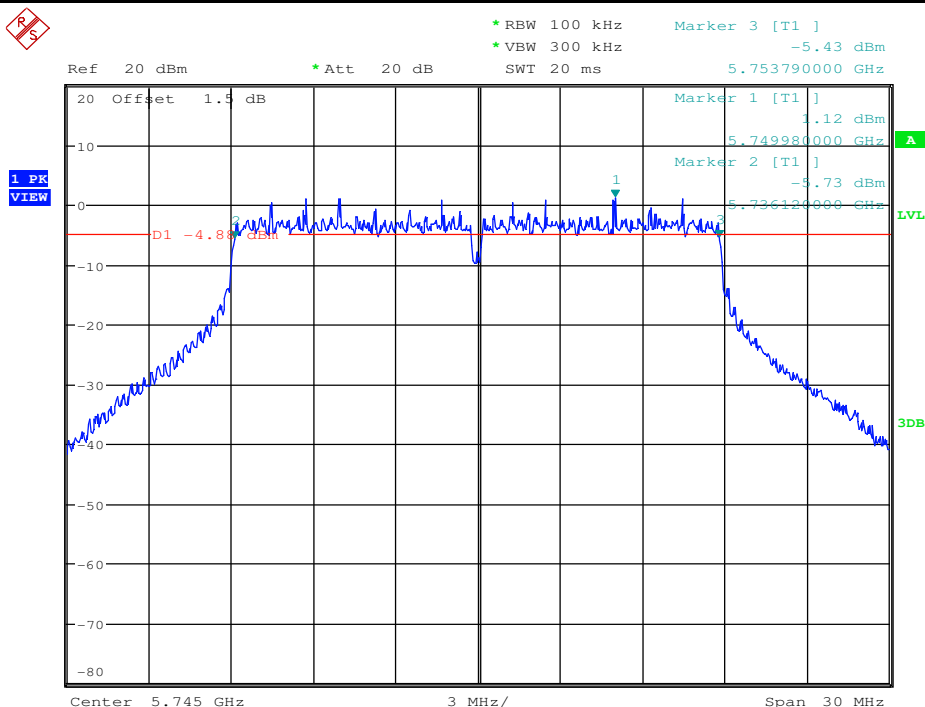
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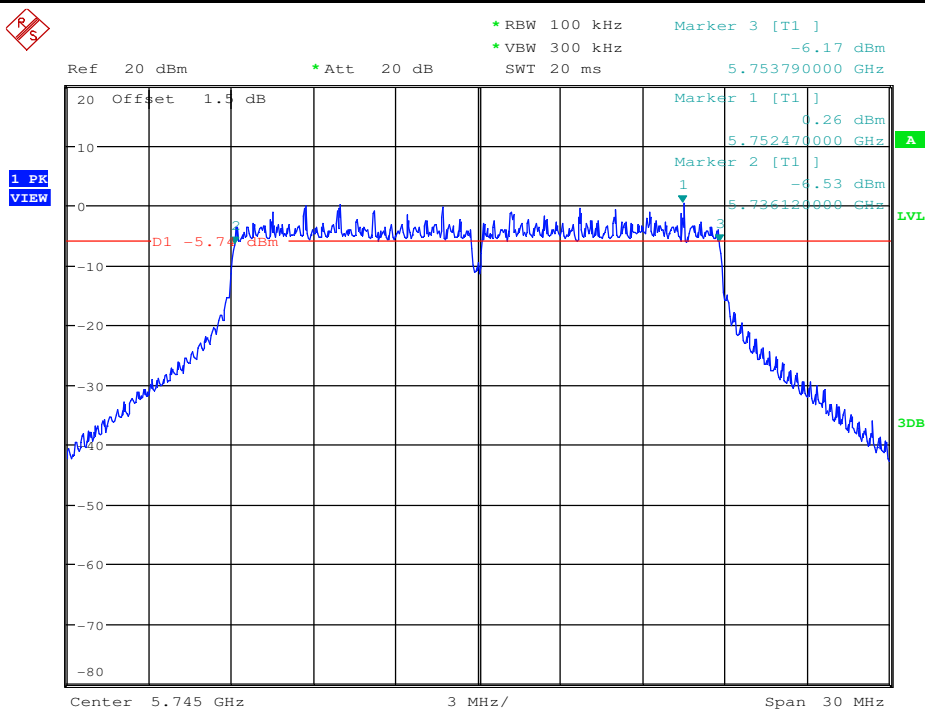
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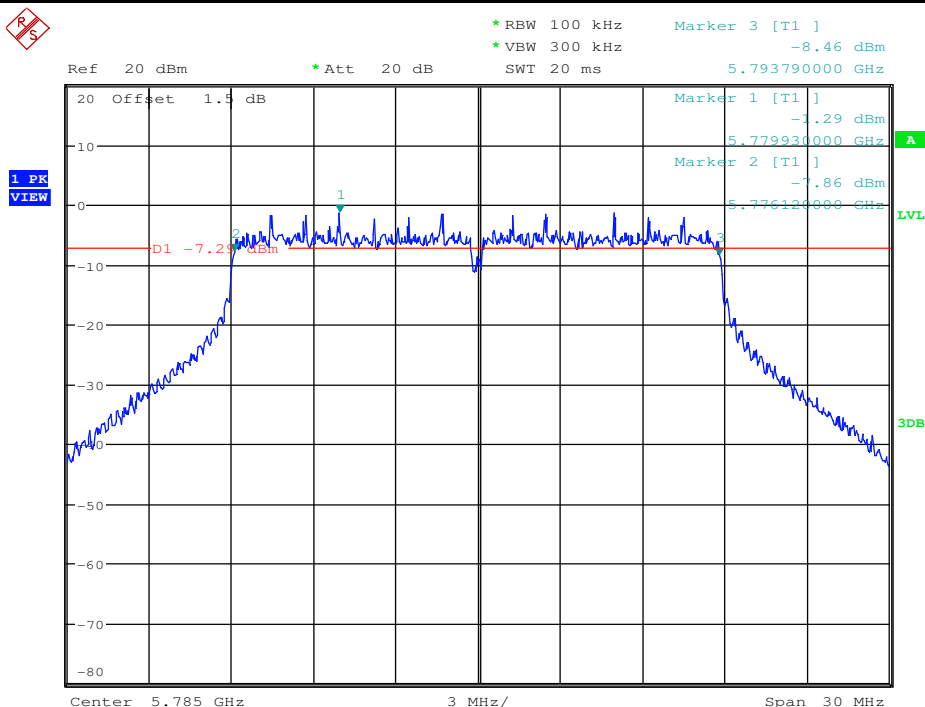
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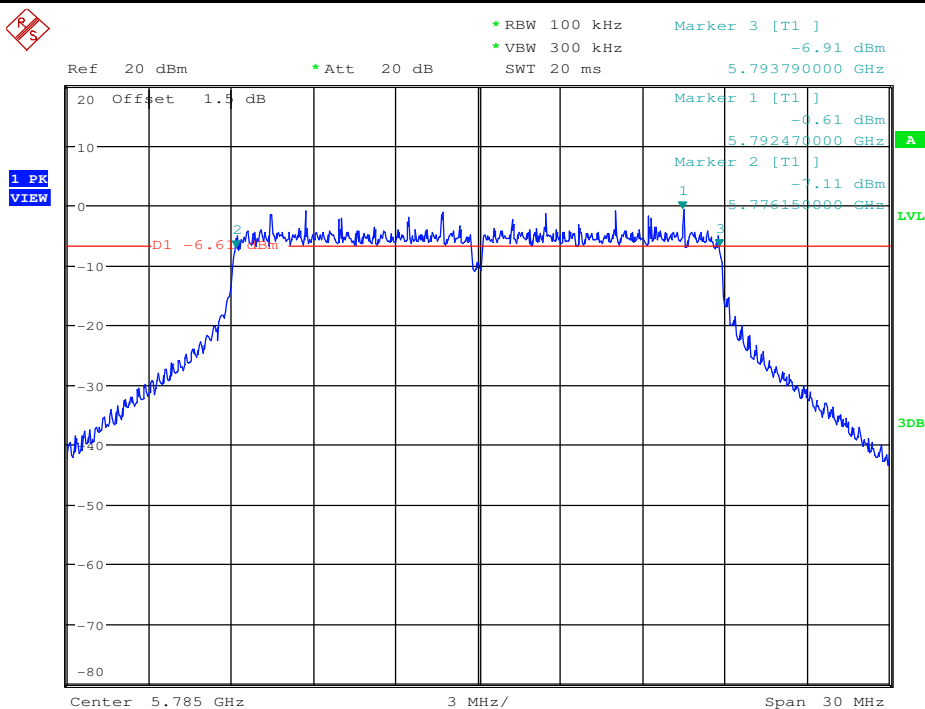
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## Emission Bandwidth Measurement 11AC20 5785 Ant1



## Emission Bandwidth Measurement 11AC20 5785 Ant2

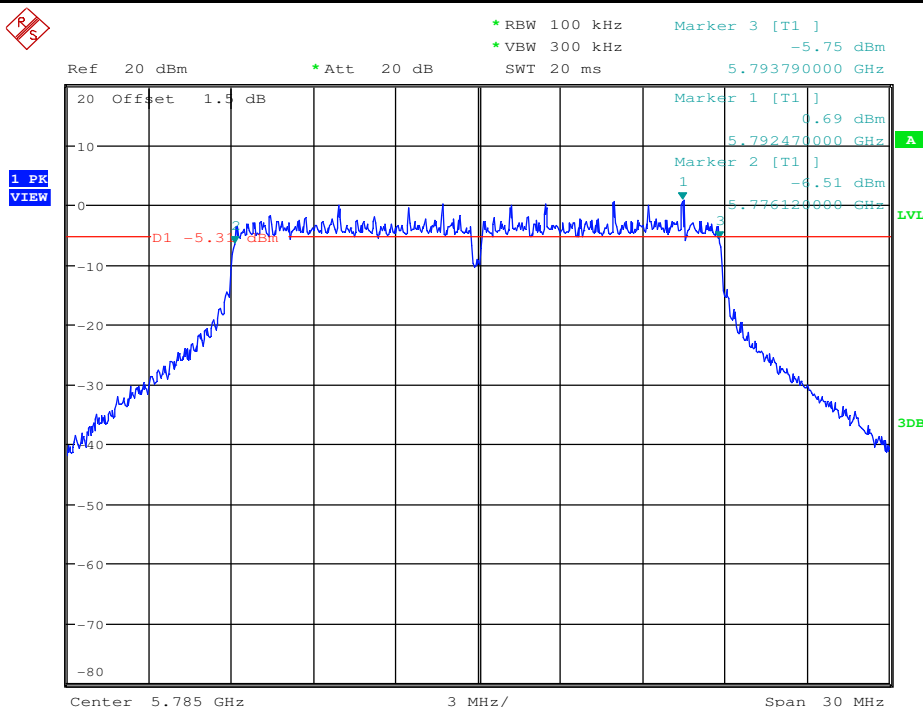


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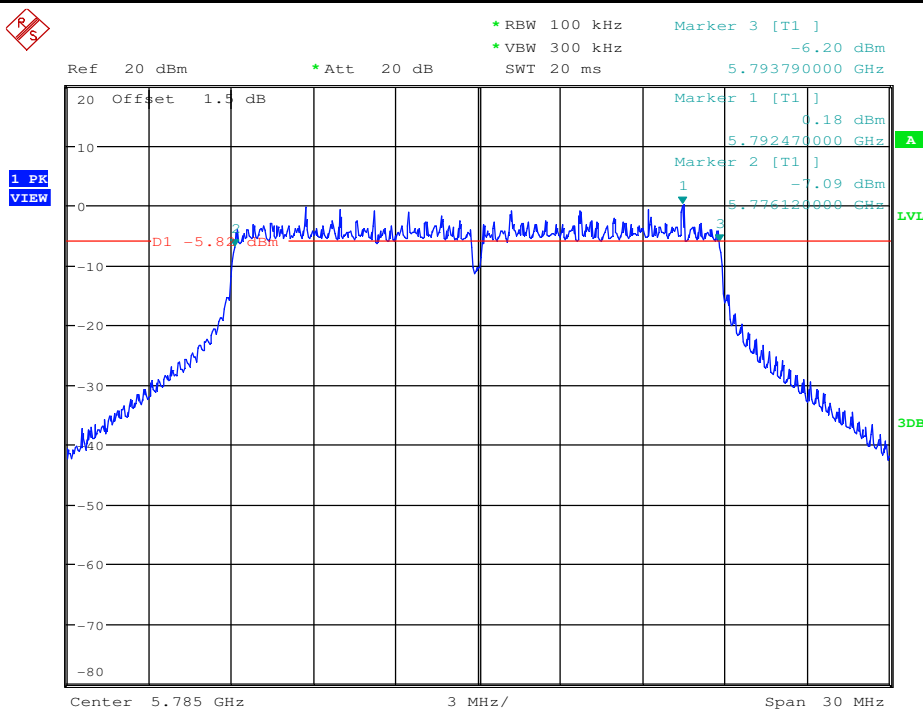
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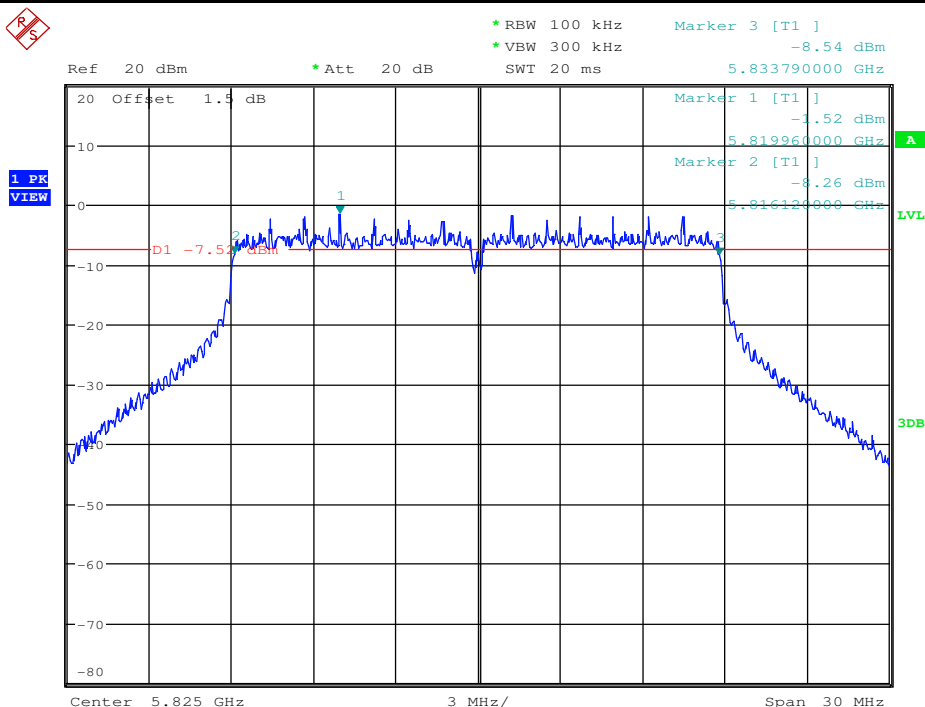
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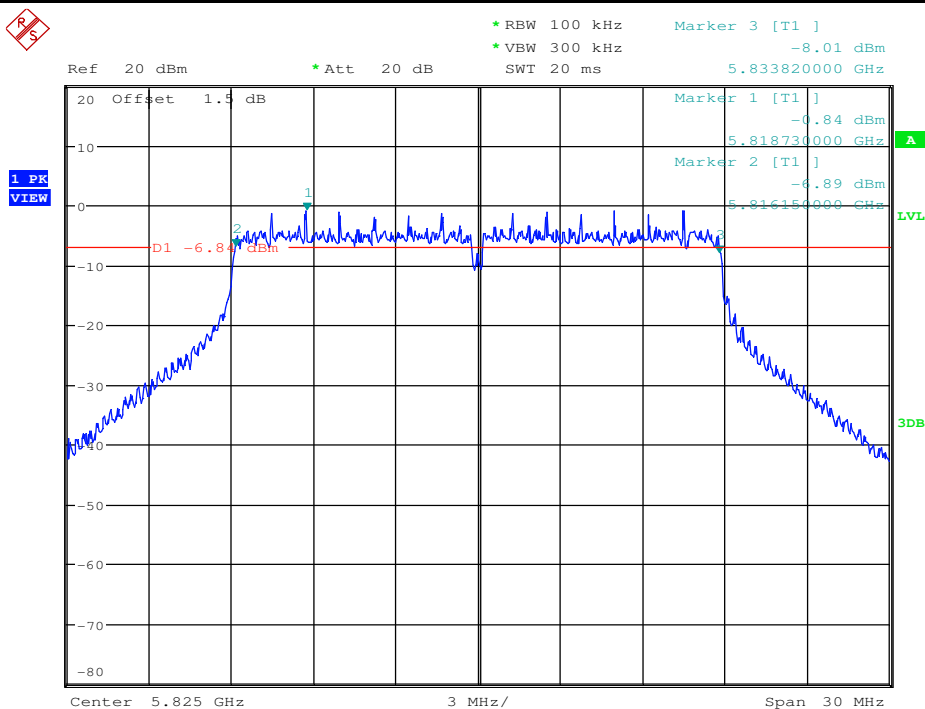
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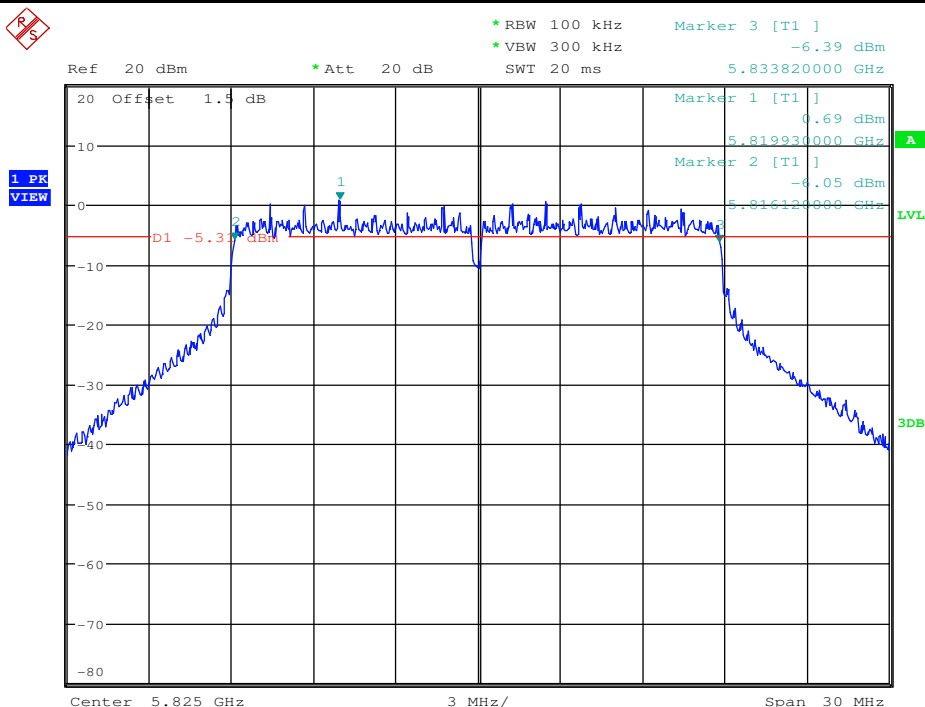
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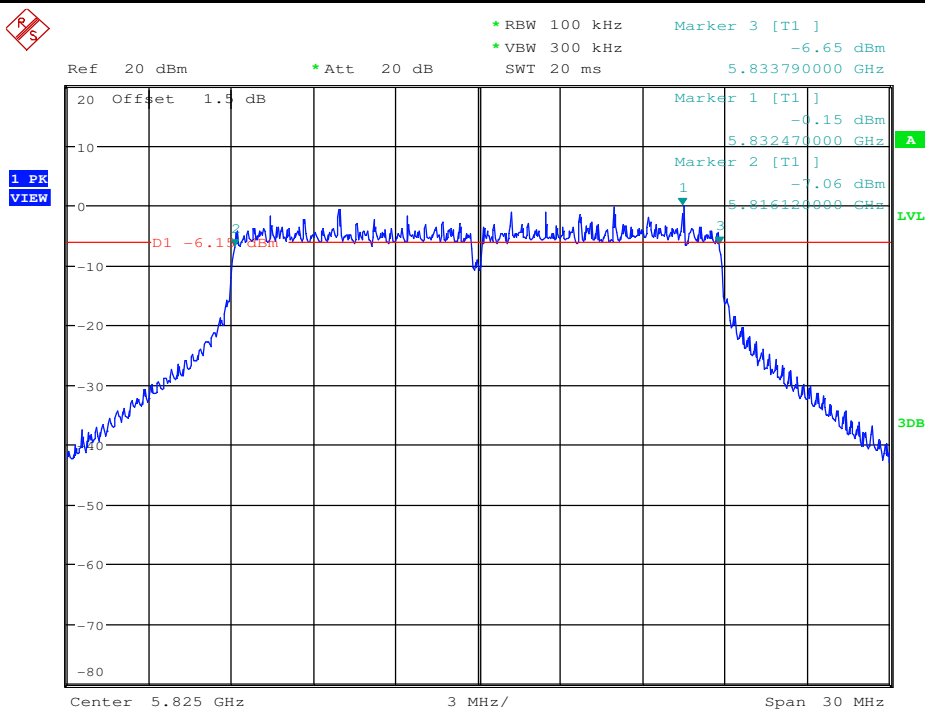
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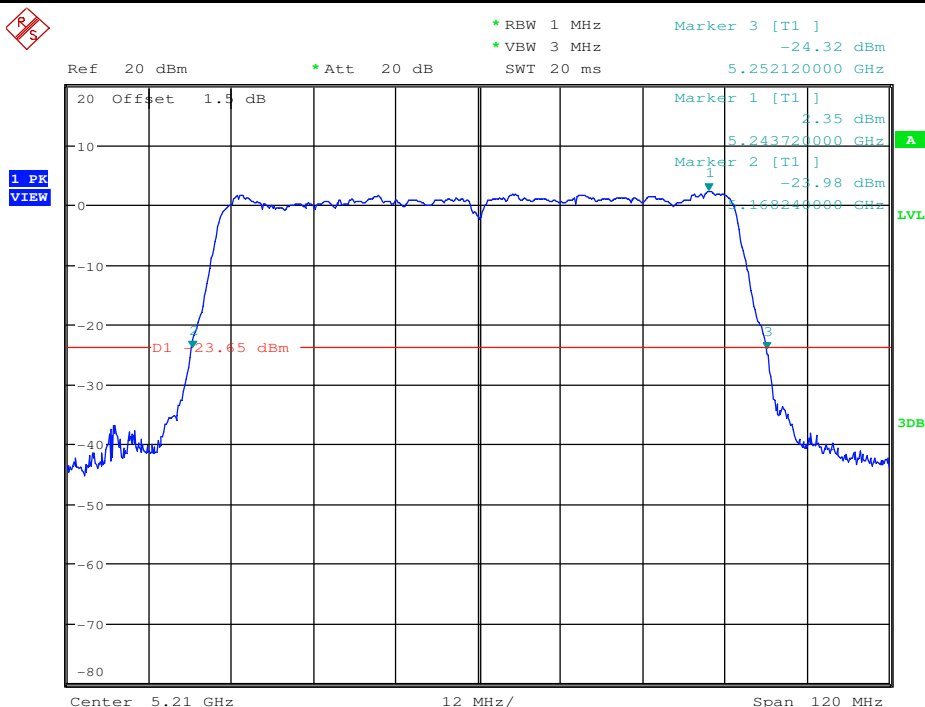
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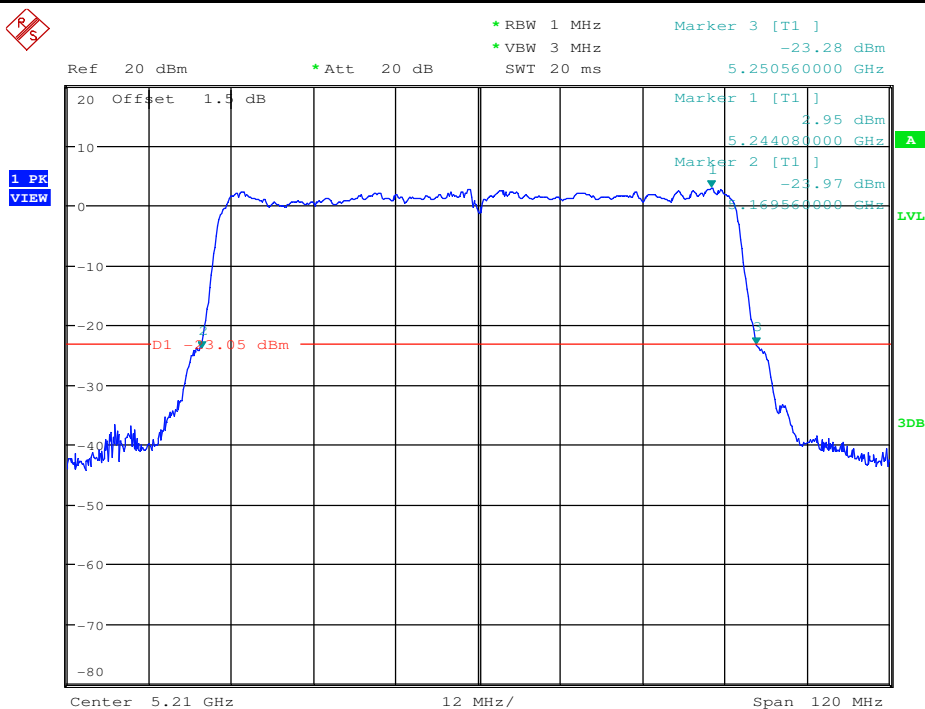
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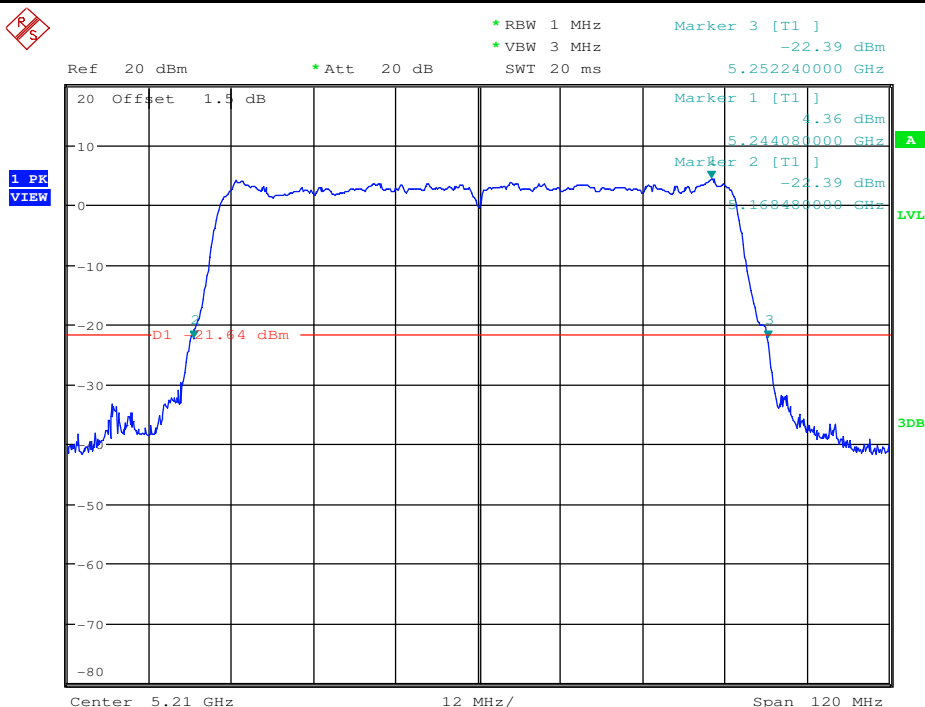
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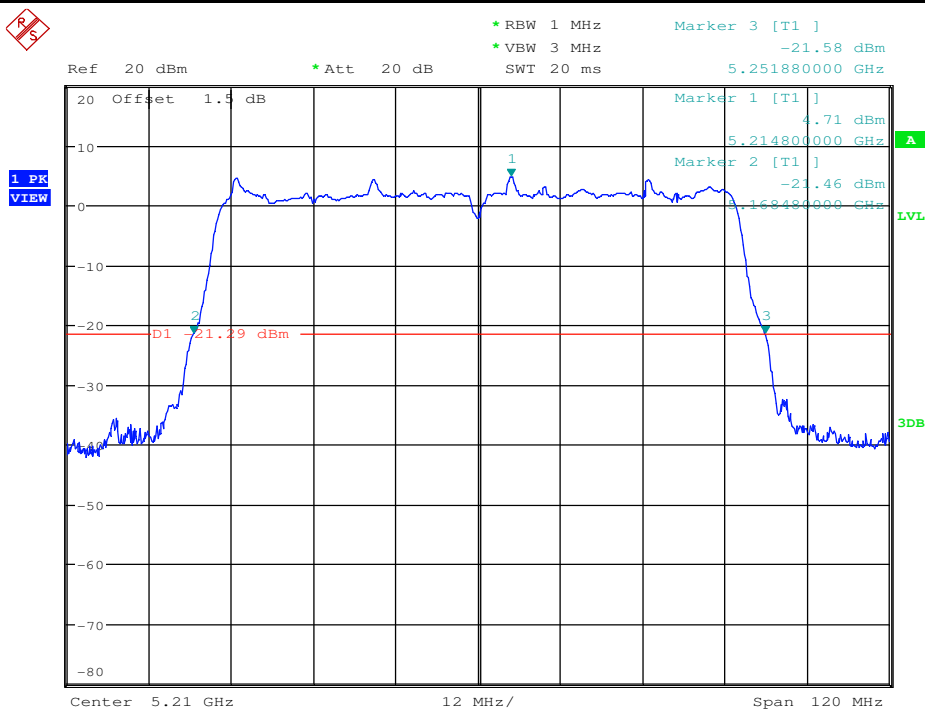
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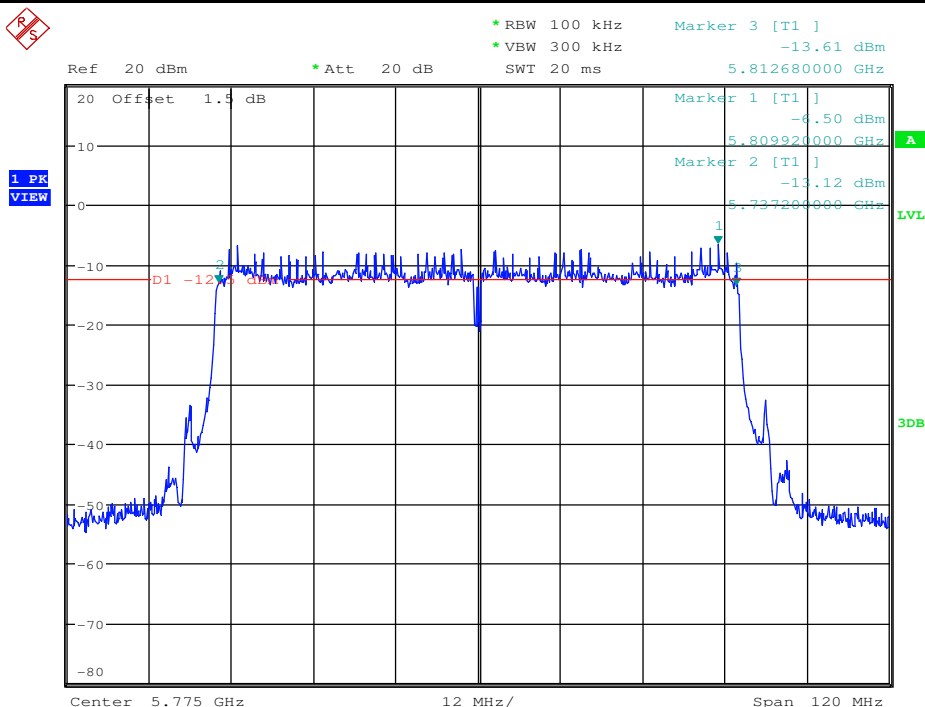
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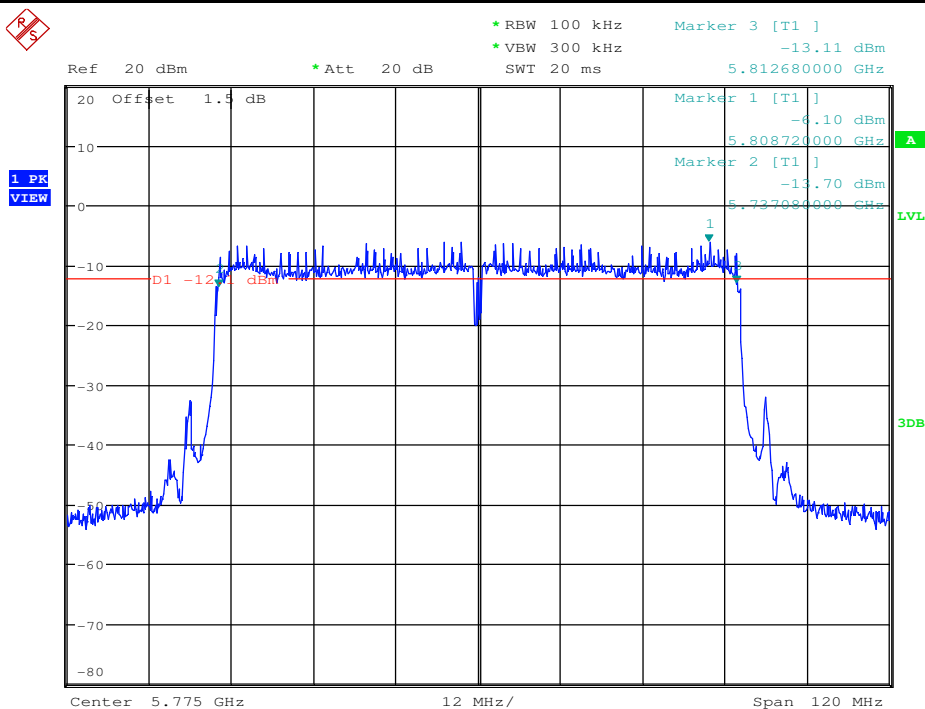
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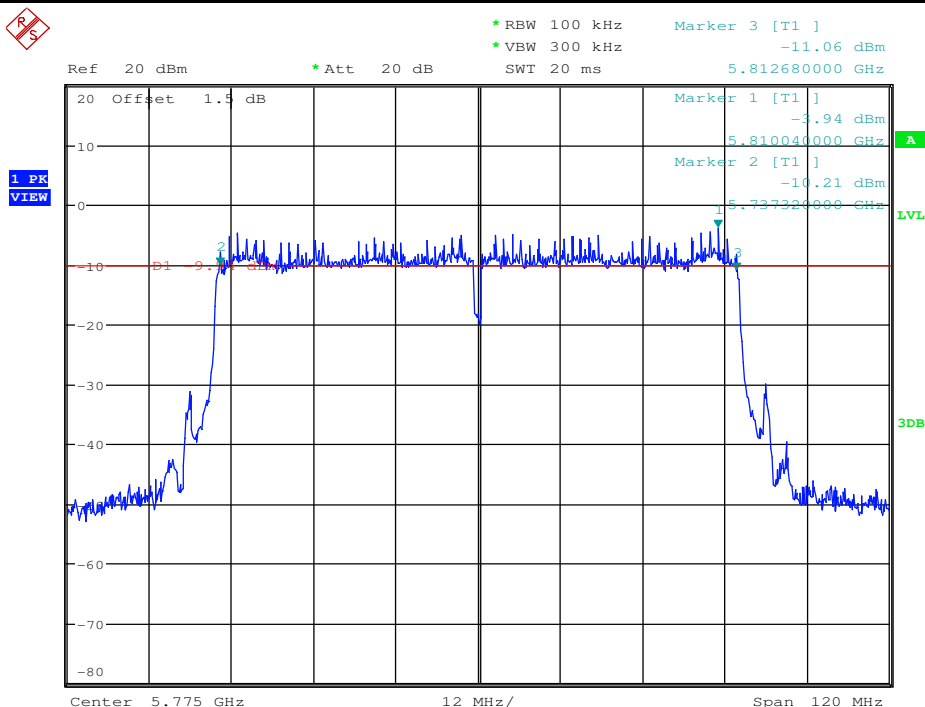
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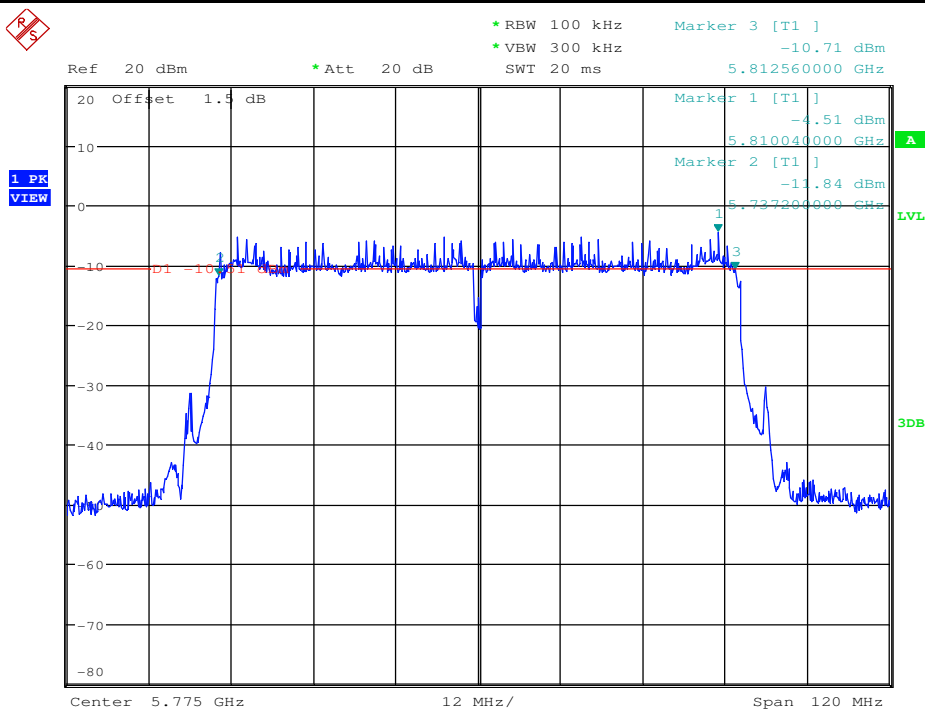
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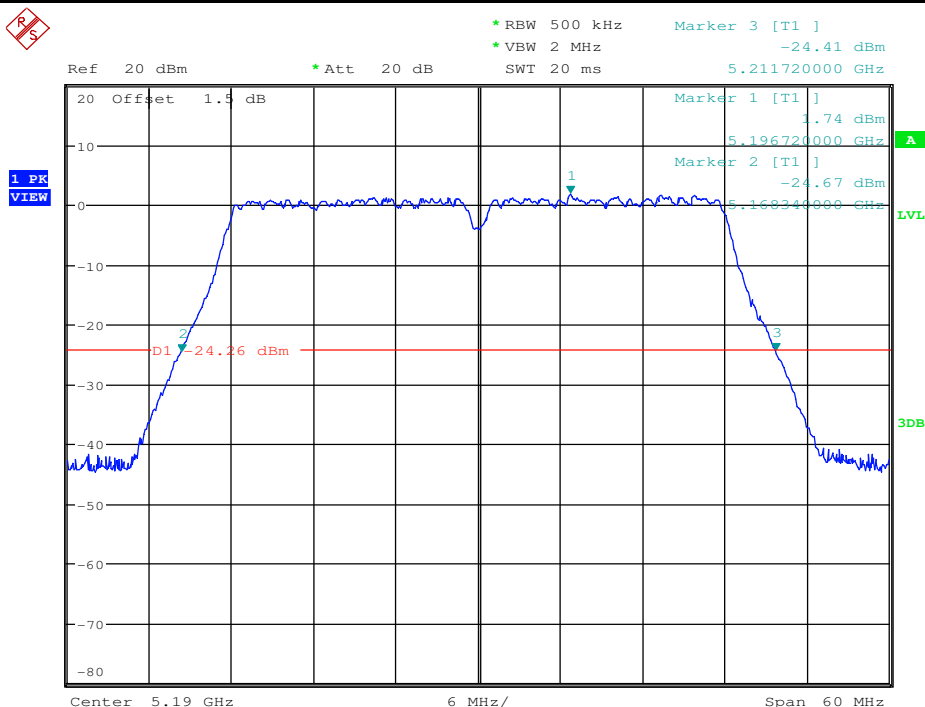
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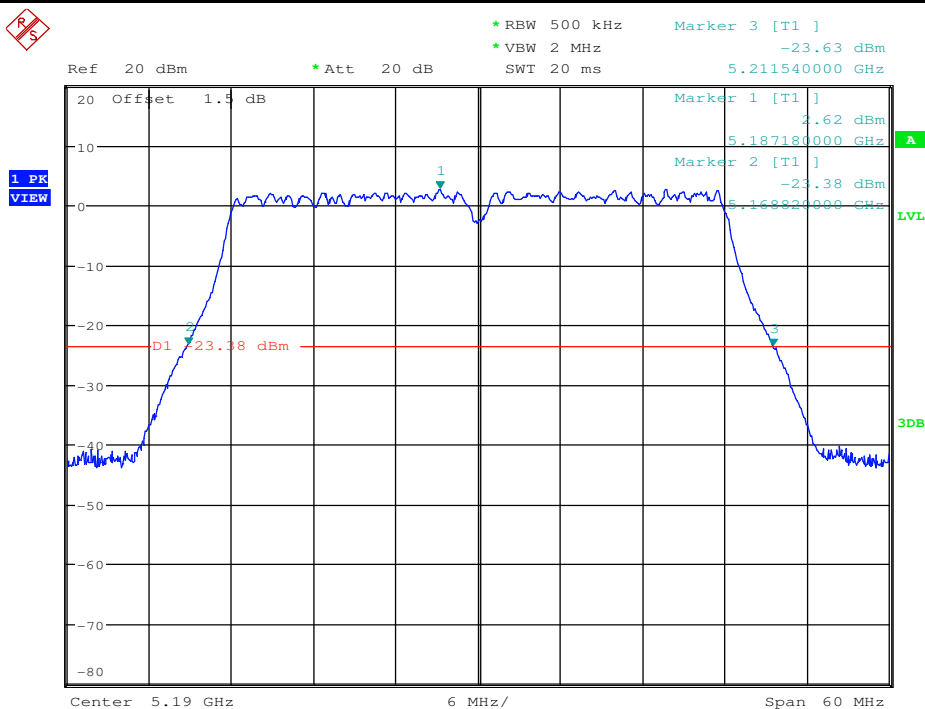
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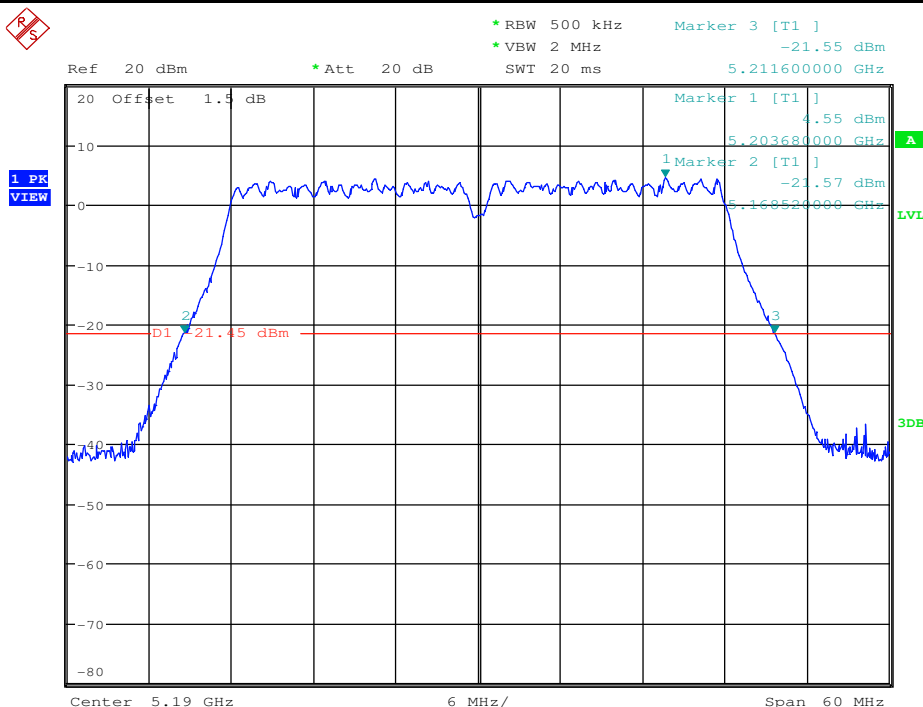
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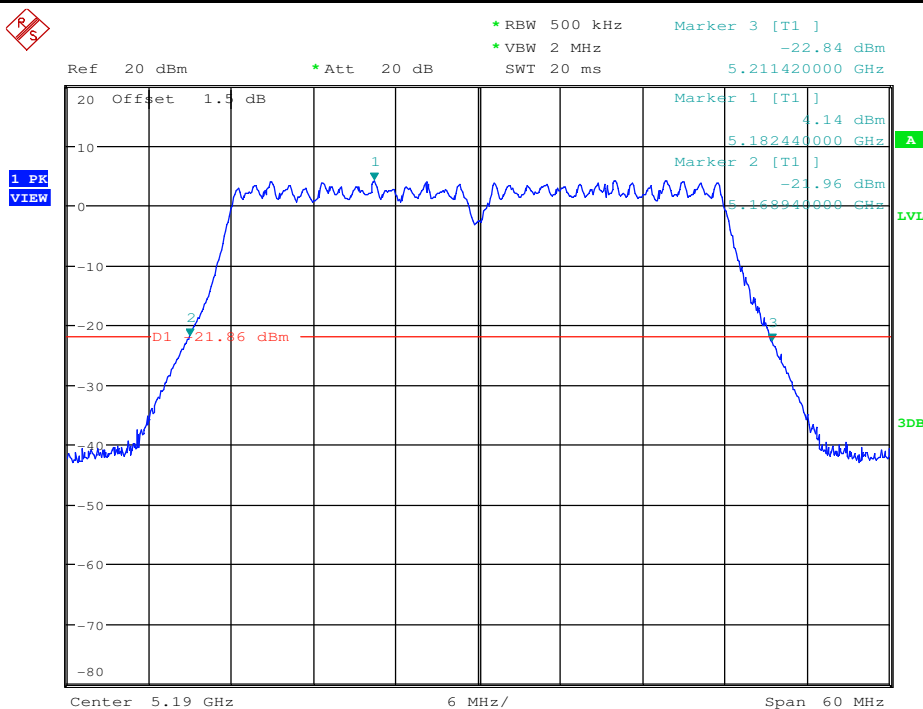
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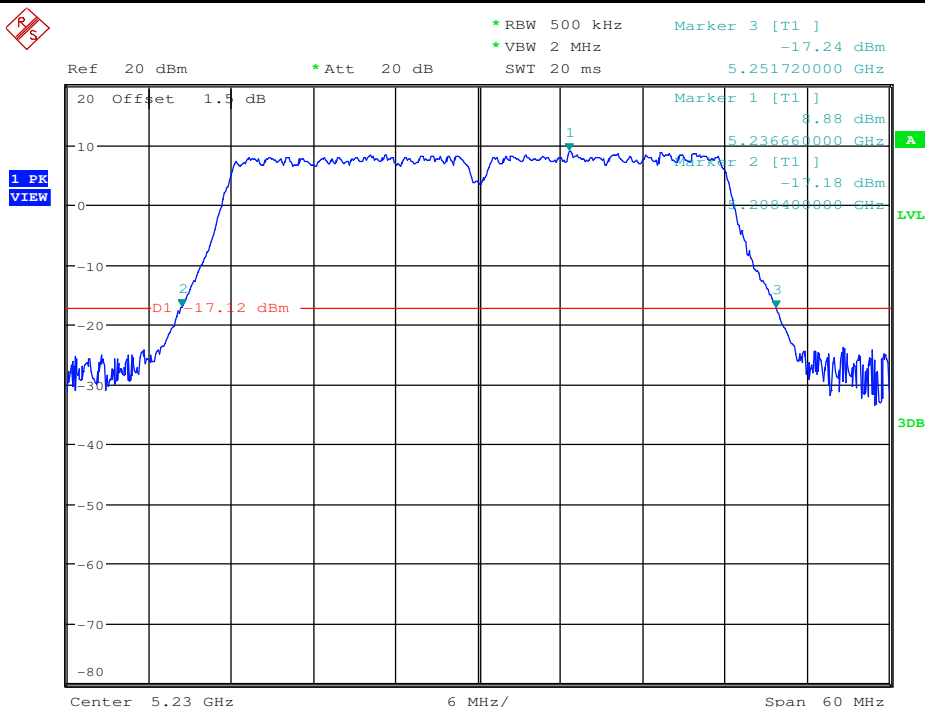
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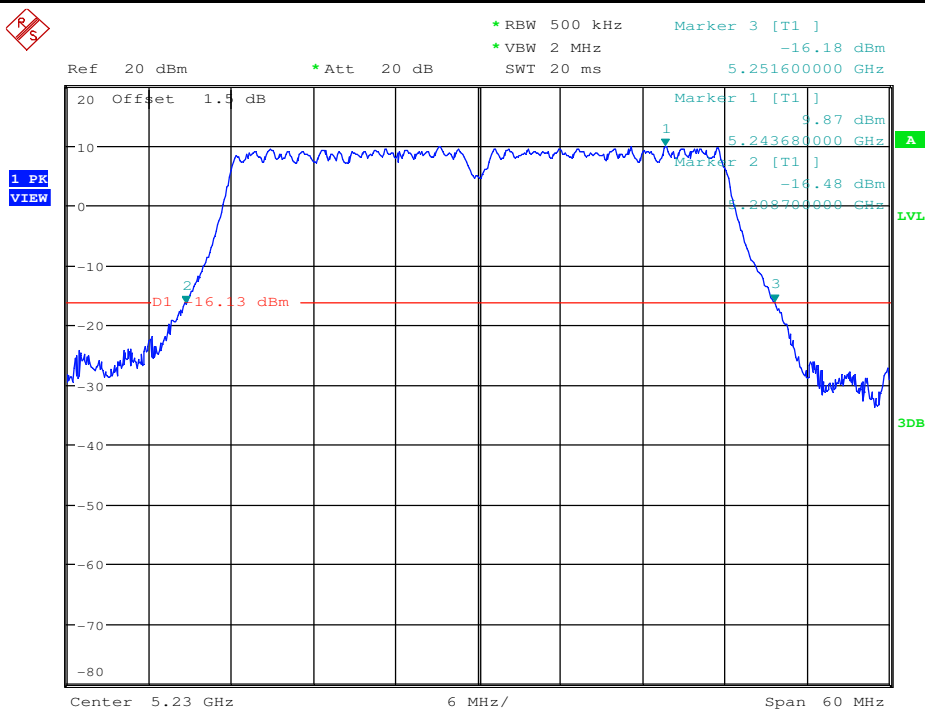
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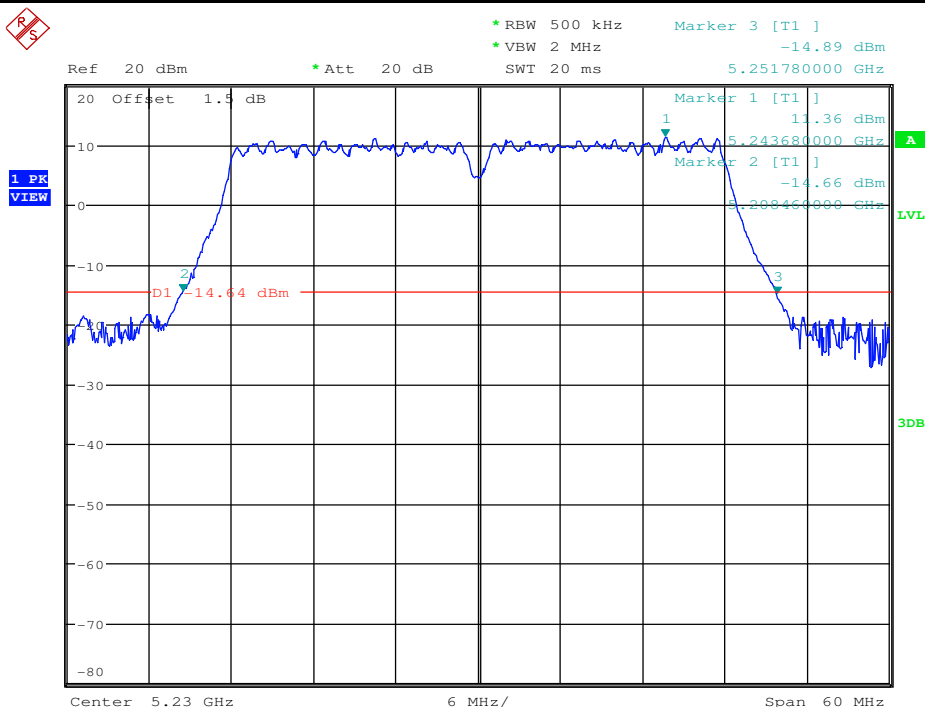
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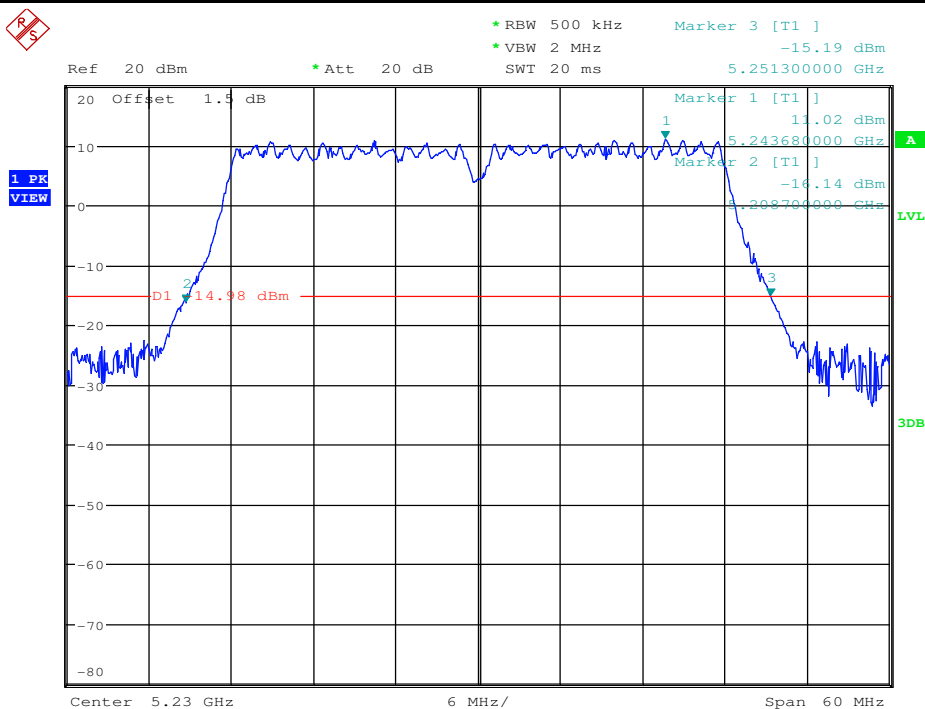
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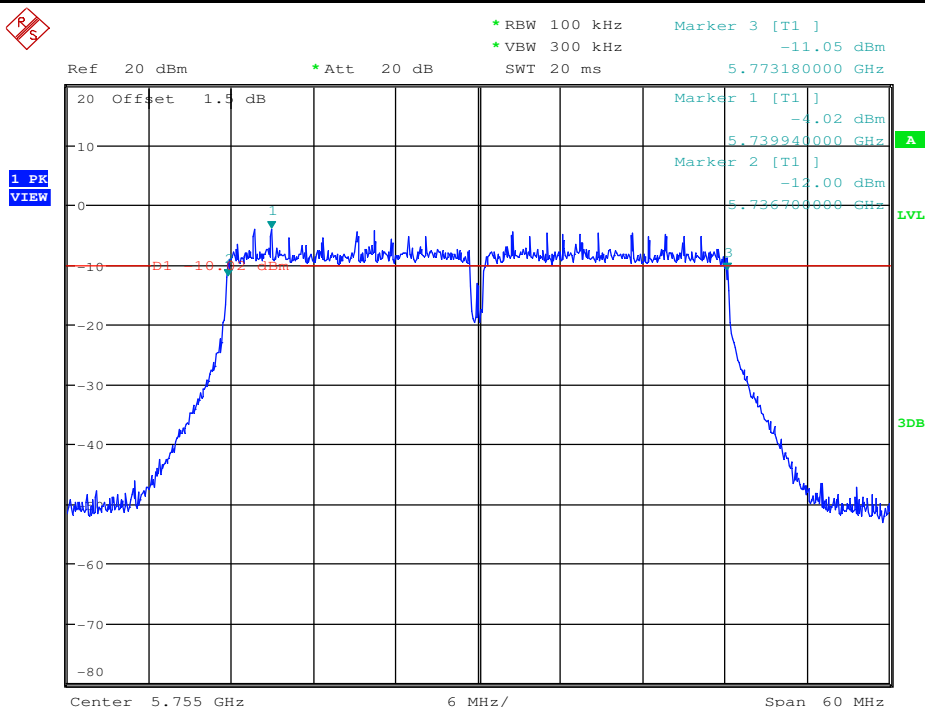
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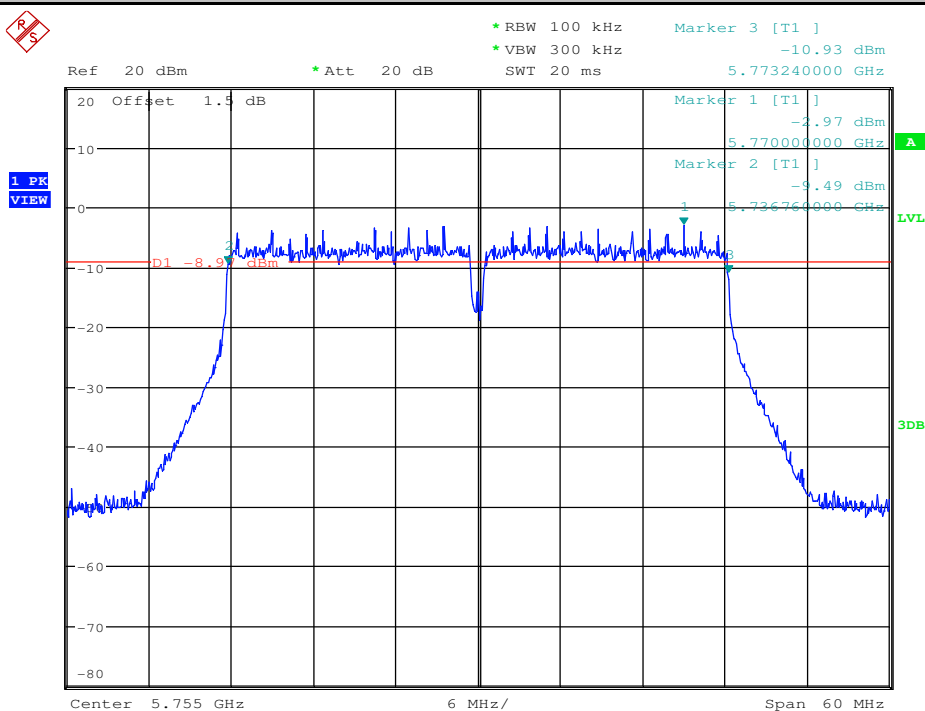
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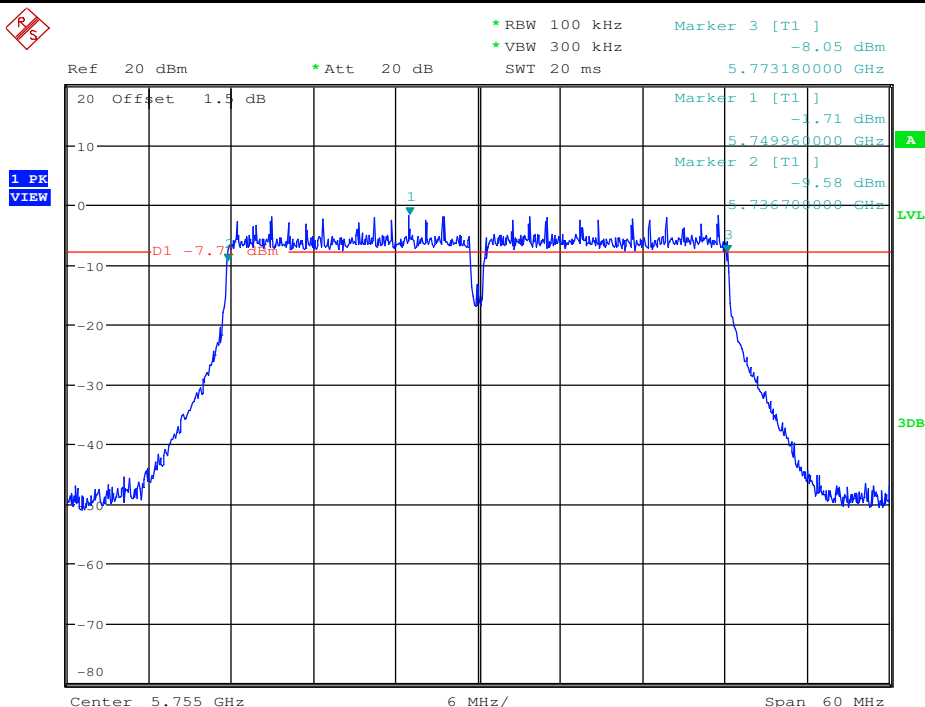
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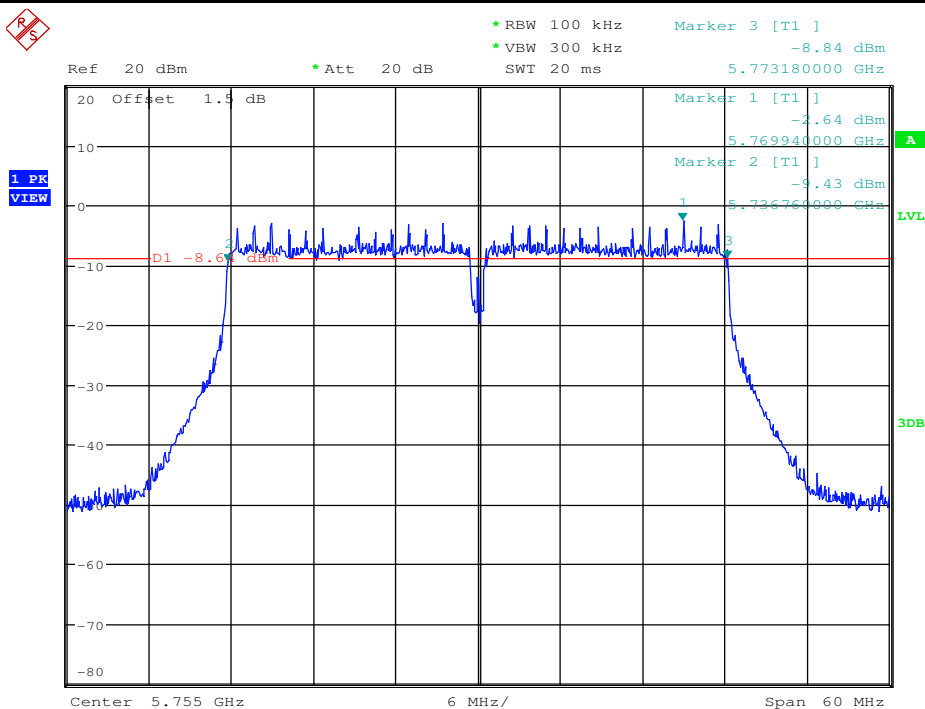
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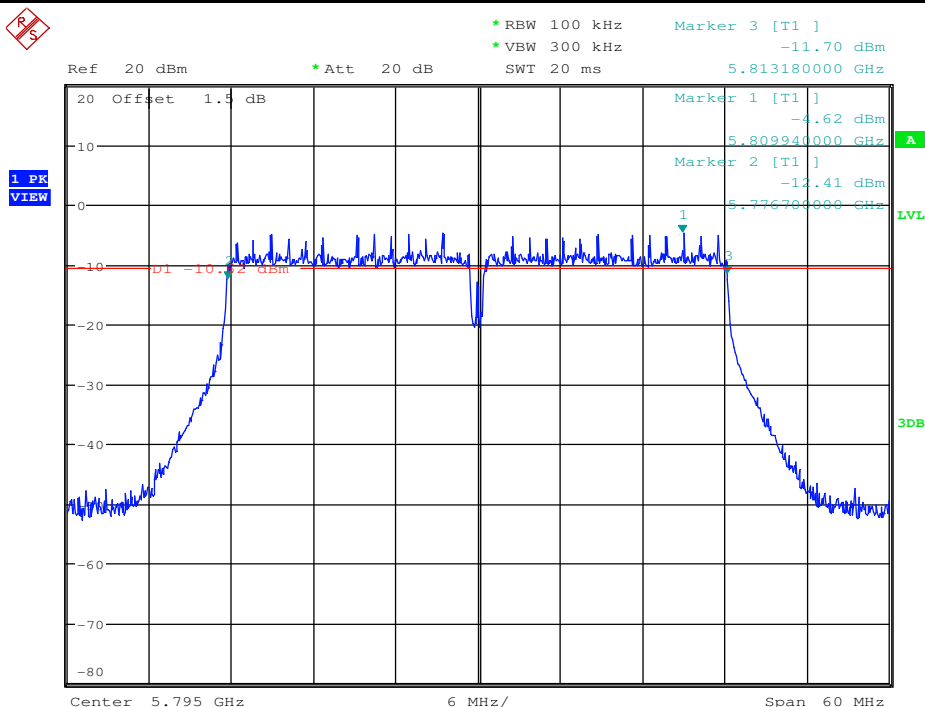
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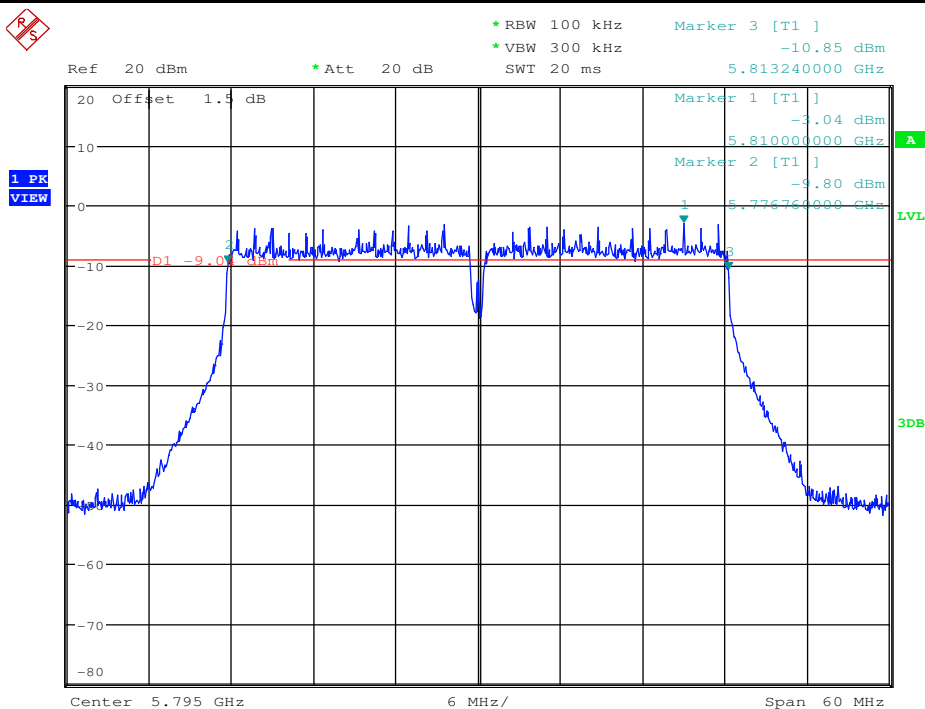
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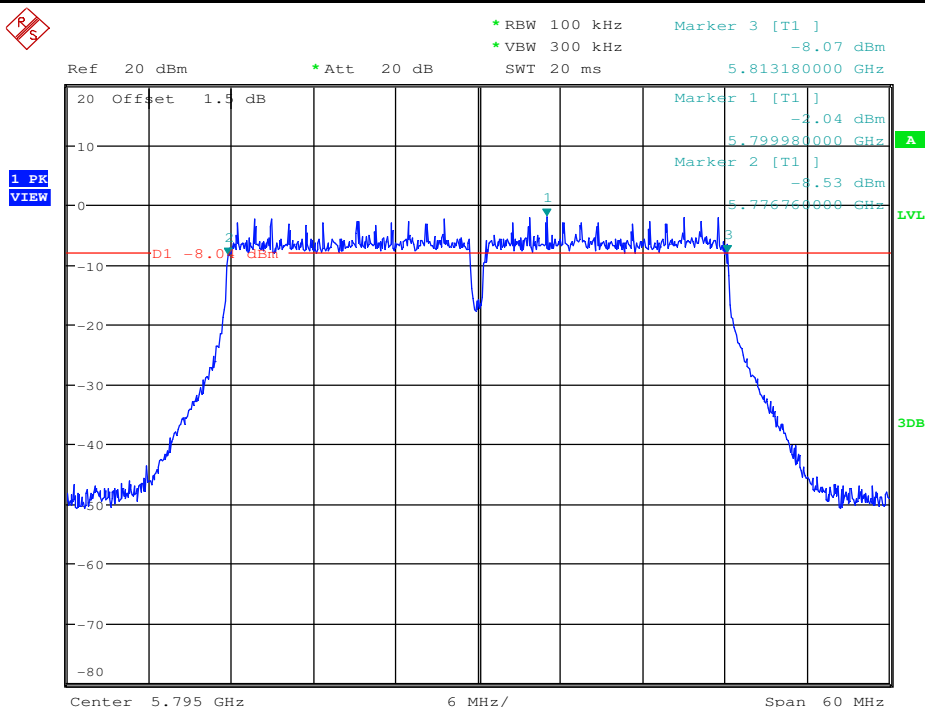
### Emission Bandwidth Measurement\_11AC40\_5795\_Ant1



### Emission Bandwidth Measurement\_11AC40\_5795\_Ant2



### Emission Bandwidth Measurement\_11AC40\_5795\_Ant3



### Emission Bandwidth Measurement\_11AC40\_5795\_Ant4

