



TEST REPORT

Application No.: GZCR2205000598AT
Applicant: DT Research, Inc.
Address of Applicant: 3RD FL NO 36 WUQUAN 7TH RD WUGU DISTRICT, NEW TAIPEI, Taiwan
Manufacturer: DT Research, Inc.
Address of Manufacturer: 2000 Concourse Drive, San Jose, CA 95131, USA
Factory: DT Research, Inc. Taiwan Branch
Address of Factory: 6F., No.36 Wuquan 7 th Rd., Wugu Dist. New Taipei City 248 Taiwan
Equipment Under Test (EUT):
EUT Name: Mobile Tablet
Model No.: 313T/MD, 313xxxx(x= 0-9, A-Z, - or null, or .,or /) ♦
* Please refer to section 2 of this report which indicates which model was actually tested and which were electrically identical.

Trade Mark:



FCC ID: YE3600-AX210NG
Standard(s) : 47 CFR Part 15, Subpart E 15.407
Date of Receipt: 2022-05-16
Date of Test: 2022-05-17 to 2022-05-30
Date of Issue: 2022-06-08

| | |
|---------------------|-------|
| Test Result: | Pass* |
|---------------------|-------|

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

Kobe Jian
EMC Laboratory Manager



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| Revision Record | | | | |
|-----------------|---------|------------|----------|----------|
| Version | Chapter | Date | Modifier | Remark |
| 01 | | 2022-06-08 | | Original |
| | | | | |
| | | | | |

| | | | |
|--------------------------------|--|--|--|
| Authorized for issue by | | | |
| | |  Curry Wu/Project Engineer | |
| | |  Ricky Liu/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 | | N/A | 47 CFR Part 15, Subpart C 15.407 (c) | Pass |

| 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 |
| Radiated Emissions which fall in the restricted bands | | KDB 789033 D02 II G | 47 CFR Part 15, Subpart C 15.209 & 15.407(b) | Pass |
| Radiated Emissions (below 1GHz) | | KDB 789033 D02 II G | 47 CFR Part 15, Subpart C 15.209 & 15.407(b) | Pass |
| Radiated Emissions (above 1GHz) | | KDB 789033 D02 II G | 47 CFR Part 15, Subpart C 15.209 & 15.407(b) | Pass |

Note:

E.U.T./EUT means Equipment Under Test.

Pass means the test result passed the test standard requirement, please find the detailed decision rule in the report relative section.

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Remark:

Model No.: 313T/MD, 313xxxx(x= 0-9, A-Z, - or null, or .,or /)

Only the model 313T/MD was tested, since according to the declaration from the applicant, the electrical circuit design, layout, components used, internal wiring and functions were identical for all the above models, with only difference on model No..

This report is prepared for FCC class II permissive change.

The modular approval by TCB, FCC ID:YE3600-AX210NG, Granted on 05/06/2022.

The module installed into host platform mentioned above is electronically and mechanically identical to the original certified module. The Original FCC testing on module under FCC ID: PD9AX210NG was performed with an antenna of higher gain, and the antenna was connected to the module in an open environment. The current host platform under application is used a new antenna of the same type and higher gain than the original certified module. Also, the band above 6GHz(5925-7125MHz) is blocked by the software for the module, and it is installed inside the host platform enclosure.

Therefore in this report Conducted Emissions at AC Power Line (150kHz-30MHz), Radiated Emissions which fall in the restricted bands and Radiated Spurious Emissions were fully retested on model 313T/MD and shown the data in this report.

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3 Contents

| | Page |
|---|------|
| 1 Cover Page | 1 |
| 2 Test Summary..... | 3 |
| 3 Contents | 5 |
| 4 General Information..... | 7 |
| 4.1 Details of E.U.T..... | 7 |
| 4.2 Description of Support Units..... | 9 |
| 4.3 Measurement Uncertainty | 9 |
| 4.4 Test Location | 9 |
| 4.5 Test Facility..... | 10 |
| 4.6 Deviation from Standards | 10 |
| 4.7 Abnormalities from Standard Conditions..... | 10 |
| 5 Equipment List | 11 |
| 6 Radio Spectrum Technical Requirement..... | 13 |
| 6.1 Antenna Requirement | 13 |
| 6.1.1 Test Requirement: | 13 |
| 6.1.2 Conclusion | 13 |
| 6.2 Transmission in the Absence of Data | 13 |
| 6.2.1 Test Requirement: | 13 |
| 6.2.2 Conclusion | 13 |
| 7 Radio Spectrum Matter Test Results | 14 |
| 7.1 Conducted Emissions at AC Power Line (150kHz-30MHz) | 14 |
| 7.1.1 E.U.T. Operation..... | 14 |
| 7.1.2 Test Mode Description | 14 |
| 7.1.3 Test Setup Diagram | 16 |
| 7.1.4 Measurement Procedure and Data..... | 16 |
| 7.2 Radiated Emissions which fall in the restricted bands | 19 |
| 7.2.1 E.U.T. Operation..... | 19 |
| 7.2.2 Test Mode Description | 20 |
| 7.2.3 Test Setup Diagram | 23 |
| 7.2.4 Measurement Procedure and Data..... | 24 |
| 7.3 Radiated Emissions (below 1GHz) | 169 |
| 7.3.1 E.U.T. Operation..... | 169 |
| 7.3.2 Test Mode Description | 170 |
| 7.3.3 Test Setup Diagram | 173 |
| 7.3.4 Measurement Procedure and Data..... | 174 |
| 7.4 Radiated Emissions (above 1GHz)..... | 177 |
| 7.4.1 E.U.T. Operation..... | 177 |
| 7.4.2 Test Mode Description | 178 |
| 7.4.3 Test Setup Diagram | 181 |
| 7.4.4 Measurement Procedure and Data..... | 182 |
| 8 Test Setup Photo | 361 |



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9 EUT Constructional Details (EUT Photos).....361

4 General Information

4.1 Details of E.U.T.

Power supply: Medical AC Adapter1
 Model: EM10681V
 AC Input: AC 100-240V, 2.0-1.0A, 50-60Hz
 Output: DC 19V, 3.78A, 72W
 Medical AC Adapter2
 Model: EM11011M-190
 AC Input: AC 100-240V, 2.0-1.0A, 50-60Hz
 Output: DC 19.0V, 6.31A, 120.0W

Rechargeable Lithium-Ion Polymer Battery
 Model: ACC-006-60K(3ICP9/36/115)
 Rated Capacity: 5400mAh
 Voltage: DC 11.4V
 Watt-Hour: 61.56Wh
 Max Charge Voltage: 13.05V

Wall Mount Cradle1: ACC-008-113MD(with R1.1 PCBA)
 Wall Mount Cradle2: ACC-008-113MD(with R1.2 PCBA)
 Desktop Cradle: ACC-008-72HMD
 Keyboard Cradle: ACC-KB13TS-M1

Test Voltage: AC 120V, 60Hz
 Note: Both nominal AC 120V, 60Hz and AC 240 V, 60Hz are required for testing in accordance with FCC KDB174176, this report only shows the results of the worst test result(AC 120V, 60Hz);

Cable(s): DC cable: 180cm with a ferrite core

| Operation Frequency: | Band | Mode | Frequency Range(MHz) | Number of channels |
|----------------------|-----------------------|-----------|----------------------|--------------------|
| UNII Band I | 802.11a/n/ac/ax(HT20) | 5180-5240 | 4 | |
| | 802.11n/ac/ax(HT40) | 5190-5230 | 2 | |
| | 802.11ac/ax(HT80) | 5210 | 1 | |
| | 802.11ac/ax(HT160) | 5250 | 1 | |
| UNII Band II-A | 802.11a/n/ac/ax(HT20) | 5260-5320 | 4 | |
| | 802.11n/ac/ax(HT40) | 5270-5310 | 2 | |
| | 802.11ac/ax(HT80) | 5290 | 1 | |
| UNII Band II-C | 802.11a/n/ac/ax(HT20) | 5500-5720 | 12 | |
| | 802.11n/ac/ax(HT40) | 5510-5710 | 6 | |
| | 802.11ac/ax(HT80) | 5530-5690 | 3 | |
| | 802.11ac/ax(HT160) | 5570 | 1 | |
| UNII Band III | 802.11a/n/ac/ax(HT20) | 5745-5865 | 7 | |
| | 802.11n/ac/ax(HT40) | 5755-5835 | 3 | |
| | 802.11ac/ax(HT80) | 5775 | 1 | |

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| | |
|------------------|--|
| Modulation Type: | 802.11a: OFDM(QPSK, BPSK, 16QAM, 64QAM) 802.11n: OFDM(QPSK, BPSK, 16QAM, 64QAM) 802.11ac: OFDM(QPSK, BPSK, 16QAM, 64QAM, 256QAM) 802.11ax: OFDMA(QPSK, BPSK, 16QAM, 64QAM, 256QAM, 1024QAM) |
| DFS Function: | Slave without radar detection |
| TPC Function: | Not support |
| Antenna Type: | PIFA Antenna |
| Antenna Gain: | Antenna1: 3.2dBi, Antenna2: 6.8dBi Note: MIMO for 802.11n/ac/ax |

Channel list for 802.11a/n(HT20)/ac(HT20)/ax(HT20)

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 36 | 5180MHz | 60 | 5300MHz | 116 | 5580MHz | 140 | 5700MHz |
| 40 | 5200MHz | 64 | 5320MHz | 120 | 5600MHz | 149 | 5745MHz |
| 44 | 5220MHz | 100 | 5500MHz | 124 | 5620MHz | 153 | 5765MHz |
| 48 | 5240MHz | 104 | 5520MHz | 128 | 5640MHz | 157 | 5785MHz |
| 52 | 5260MHz | 108 | 5540MHz | 132 | 5660MHz | 161 | 5805MHz |
| 56 | 5280MHz | 112 | 5560MHz | 136 | 5680MHz | 165 | 5825MHz |
| / | | | | | | 169 | 5845MHz |
| | | | | | | 173 | 5865MHz |

Channel list for 802.11n(HT40)/ac(HT40)/ax(HT40)

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 38 | 5190MHz | 62 | 5310MHz | 118 | 5590MHz | 151 | 5755MHz |
| 46 | 5230MHz | 102 | 5510MHz | 126 | 5630MHz | 159 | 5795MHz |
| 54 | 5270MHz | 110 | 5550MHz | 134 | 5670MHz | 167 | 5835MHz |

Channel list for 802.11ac(HT80)/ax(HT80)

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 42 | 5210MHz | 106 | 5530MHz | 122 | 5610MHz | 155 | 5775MHz |
| 58 | 5290MHz | | | | | | / |

Channel list for 802.11ac(HT160)/ax(HT160)

| Channel | Frequency | Channel | Frequency | Channel | Frequency | Channel | Frequency |
|---------|-----------|---------|-----------|---------|-----------|---------|-----------|
| 50 | 5250MHz | 114 | 5570MHz | | | | / |

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4.2 Description of Support Units

| Description | Manufacturer | Model No. | Serial No. |
|-------------|--------------|-----------|------------|
| -- | -- | -- | -- |

The EUT has been tested as an independent unit.

4.3 Measurement Uncertainty

| Test Item | Measurement Uncertainty |
|---|---|
| Conducted Emissions at AC Power Line (150kHz-30MHz) | ±2.76dB |
| Radiated Emissions which fall in the restricted bands | ±5.00dB (30MHz-1GHz; 3m); ± 5.12dB (1GHz-6GHz); ± 5.38dB (6GHz-18GHz); ± 5.61dB (18GHz-40GHz) |
| Radiated Emissions (below 1GHz) | ±5.00dB (30MHz-1GHz; 3m); ±4.38dB (30MHz-1GHz; 10m); |
| Radiated Emissions (above 1GHz) | ± 5.12dB (1GHz-6GHz); ± 5.38dB (6GHz-18GHz); ± 5.61dB (18GHz-40GHz) |

4.4 Test Location

All tests were performed at:

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou Branch EMC Laboratory,
198 Kezhu Road, Scientech Park, Guangzhou Economic & Technology Development District,
Guangzhou, China 510663

Tel: +86 20 82155555 Fax: +86 20 82075059

No tests were sub-contracted.

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4.5 Test Facility

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

- **NVLAP (Lab Code: 200611-0)**

SGS-CSTC Standards Technical Services Co., Ltd., Guangzhou EMC Laboratory is accredited by the National Voluntary Laboratory Accreditation Program (NVLAP/NIST). NVLAP Code: 200611-0.

The report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government.

- **ACMA**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory can also perform testing for the Australian/New Zealand Regulatory Compliance Mark (RCM).

- **SGS UK(Certificate No.: 32), SGS-TUV SAARLAND and SGS-FIMKO**

Have approved SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory as a supplier of EMC TESTING SERVICES and SAFETY TESTING SERVICES.

- **FCC Recognized Accredited Test Firm(Registration No.: 486818)**

SGS-CSTC Standards Technical Services Co., Ltd., EMC Laboratory has been accredited and fully described in a report filed with the (FCC) Federal Communications Commission. The acceptance letter from the FCC is maintained in our files. Designation Number: CN5016, Test Firm Registration Number: 486818.

- **ISED (Registration No.: 4620B, CAB identifier: CN0052)**

SGS-CSTC Standards Technical Services Co., Ltd., has been registered by Innovation Science and Economic Development Canada for Wireless Device Testing laboratories to test to Canadian radio equipment requirements. Registration No. 4620B, CAB identifier: CN0052.

- **VCCI (Registration No.: R-12460, C-12584, G-20107 and T-11179)**

The 10m Semi-anechoic chamber, 966 Anechoic Chamber and Shielded Room of SGS-CSTC Standards Technical Services Co., Ltd. have been registered in accordance with the Regulations for Voluntary Control Measures with Registration No.: R-12460, C-12584, G-20107 and T-11179 respectively.

- **CBTL (Lab Code: TL129)**

SGS-CSTC Standards Technical Services Co., Ltd., E&E Laboratory has been assessed and fully comply with the requirements of ISO/IEC 17025:2017, the Basic Rules, IECEE 01 and Rules of procedure IECEE 02, and the relevant IECEE CB-Scheme Operational documents.

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 | ChangZhou ZhongYu | 8m x 3m x 3.8m | EMC0306 | N/A | N/A |
| Two-Line V-Network | Rohde & Schwarz | ENV216 | EMC0118 | 2021-12-23 | 2022-12-22 |
| Two-Line V-Network-GZ | Rohde & Schwarz | ENV216 | EMC2135 | 2021-09-24 | 2022-09-23 |
| Coaxial Cable | HangTianXing | 2m | EMC0107 | 2020-09-09 | 2022-09-08 |
| Test Software E3c | Audix | Ver. 5.4.1221b | GZE100-62 | N/A | N/A |
| EMI Test Receiver(9kHz-3.6GHz) | Rohde & Schwarz | ESR3 | EMC2221 | 2021-06-01 | 2022-05-31 |

| Radiated Emissions which fall in the restricted bands | | | | | |
|---|--------------------------------|---------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| EMI Test Receiver (20Hz-26.5GHz) | Rohde & Schwarz | ESIB26 | EMC0522 | 2021-12-17 | 2022-12-16 |
| Chamber cable(Above 1GHz) | Scoflex | KMKM-8.0m | EMC0545 | 2020-09-09 | 2022-09-08 |
| Horn Antenna(1GHz-18GHz) | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D | EMC2026 | 2019-09-25 | 2022-09-24 |
| 1GHz-26.5 GHz Pre-Amplifier | Agilent | 8449B | EMC0521 | 2021-12-17 | 2022-12-16 |
| 2.4GHz Filter | Micro-Tronics | BRM 50702 | EMC2069 | 2021-12-17 | 2022-12-16 |
| 966 Anechoic Chamber | C.R.T | 9m x 6m x 6m | EMC2142 | 2020-12-20 | 2023-12-19 |
| MXE EMI Receiver (10Hz-8.4GHz) | Keysight | N9038A | EMC2139 | 2021-11-01 | 2022-10-31 |
| EXA Signal Analyzer(10Hz-44GHz) | Keysight | N9010A | EMC2138 | 2021-09-16 | 2022-09-15 |
| Test Software E3 | Audix | Ver.6.120110a | GZE100-61 | N/A | N/A |
| Notch Filter (5150-5880) | Mico-Tronics | BRM50716 | EMC2168 | 2021-07-29 | 2022-07-28 |
| Horn Antenna(14-40GHz) | SCHWARZBECK | BBHA 9170 | EMC2041 | 2020-06-28 | 2023-06-27 |
| Microwave Broadband Preamplifier (18-40GHz) | SCHWARZBECK | BBV 9721 | EMC2172 | 2021-08-30 | 2022-08-29 |

| Radiated Spurious Emissions Below 1GHz | | | | | |
|--|-----------------|----------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| EMI Test Receiver (10Hz-26.5GHz) | Rohde & Schwarz | ESIB26 | EMC0522 | 2021-12-17 | 2022-12-16 |
| Chamber cable | HangTianXing | N/A | EMC0542 | 2020-09-09 | 2022-09-08 |

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| | | | | | |
|--|------------------------------------|----------------------|-----------|------------|------------|
| Trilog Broadband Antenna (25MHz-1GHz)- Lab | SCHWARZBECK MESS-ELEKTRONIK | VULB 9168 | SEM003-18 | 2022-03-03 | 2025-03-02 |
| Amplifier(9kHz-1.3GHz) | HP | 8447F | EMC2065 | 2021-05-19 | 2022-05-18 |
| High Pass Filter (915MHz) | FSY MICROWAVE | HM1465-9SS | EMC2079 | 2021-12-17 | 2022-12-16 |
| 10m Semi-Anechoic Chamber | ETS | N/A | EMC0530 | 2019-10-20 | 2022-10-19 |
| Test Software E3 | Audix | Ver.6.120110a | GZE100-61 | N/A | N/A |
| Active Loop Antenna | Fischer Custom Communications Inc. | F-1000-4-8-9/10-L-1M | EMC0704 | 2022-04-01 | 2025-03-31 |

| Radiated Spurious Emissions (Above 1GHz) | | | | | |
|---|-----------------------------|---------------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| EMI Test Receiver (20Hz-26.5GHz) | Rohde & Schwarz | ESIB26 | EMC0522 | 2021-12-17 | 2022-12-16 |
| Chamber cable(Above 1GHz) | Scoflex | KMKM-8.0m | EMC0545 | 2020-09-09 | 2022-09-08 |
| Horn Antenna(1GHz-18GHz) | SCHWARZBECK MESS-ELEKTRONIK | BBHA 9120D | EMC2026 | 2019-09-25 | 2022-09-24 |
| 1GHz-26.5 GHz Pre-Amplifier | Agilent | 8449B | EMC0521 | 2021-12-17 | 2022-12-16 |
| 2.4GHz Filter | Micro-Tronics | BRM 50702 | EMC2069 | 2021-12-17 | 2022-12-16 |
| 966 Anechoic Chamber | C.R.T | 9m x 6m x 6m | EMC2142 | 2020-12-20 | 2023-12-19 |
| MXE EMI Receiver (10Hz-8.4GHz) | Keysight | N9038A | EMC2139 | 2021-11-01 | 2022-10-31 |
| EXA Signal Analyzer (10Hz-44GHz) | Keysight | N9010A | EMC2138 | 2021-09-16 | 2022-09-15 |
| Test Software E3 | Audix | Ver.6.120110a | GZE100-61 | N/A | N/A |
| Notch Filter (5150-5880) | Mico-Tronics | BRM50716 | EMC2168 | 2021-07-29 | 2022-07-28 |
| Horn Antenna(14-40GHz) | SCHWARZBECK | BBHA 9170 | EMC2041 | 2020-06-28 | 2023-06-27 |
| Microwave Broadband Preamplifier (18-40GHz) | SCHWARZBECK | BBV 9721 | EMC2172 | 2021-08-30 | 2022-08-29 |

| General used equipment | | | | | |
|------------------------|--------------|----------|--------------|------------|--------------|
| Equipment | Manufacturer | Model No | Inventory No | Cal Date | Cal Due Date |
| DMM | Fluke | 73 | EMC0006 | 2021-07-05 | 2022-07-05 |
| DMM | Fluke | 73 | EMC0007 | 2021-07-05 | 2022-07-05 |

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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

15.203 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 permanently attached antenna or of an antenna that uses a unique coupling to the intentional radiator shall be considered sufficient to comply with the provisions of this section. The manufacturer may design the unit so that a broken antenna can be replaced by the user, but the use of a standard antenna jack or electrical connector is prohibited. This requirement does not apply to carrier current devices or to devices operated under the provisions of 15.211, 15.213, 15.217, 15.219, 15.221, or 15.236. Further, this requirement does not apply to intentional radiators that must be professionally installed, such as perimeter protection systems and some field disturbance sensors, or to other intentional radiators which, in accordance with 15.31(d), must be measured at the installation site. However, the installer shall be responsible for ensuring that the proper antenna is employed so that the limits in this part are not exceeded.

EUT Antenna:

The antenna connector is a IPEX type that comply with Part15.203, the best case gain of the antenna1 is 3.2dBi, antenna2 is 6.8dBi.

Antenna location: Refer to internal photo.

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 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.



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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(dB μ V) | |
|----------------------------|-----------------------------|-----------|
| | 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: 21.5 °C Humidity: 48.4 % RH Atmospheric Pressure: 1015 mbar

7.1.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|-----------------------|-----------|--|
| Final test | 18 | Charge + TX mode (U-NII-1)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter1). |
| Pre-scan | 20 | Charge + TX mode (U-NII-2A)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter1). |
| Pre-scan | 22 | Charge + TX mode (U-NII-2C)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of |

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IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter1).

Charge + TX mode (U-NII-3)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter1).

Charge + TX mode (U-NII-1)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter2).

Charge + TX mode (U-NII-2A)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter2).

Charge + TX mode (U-NII-2C)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE

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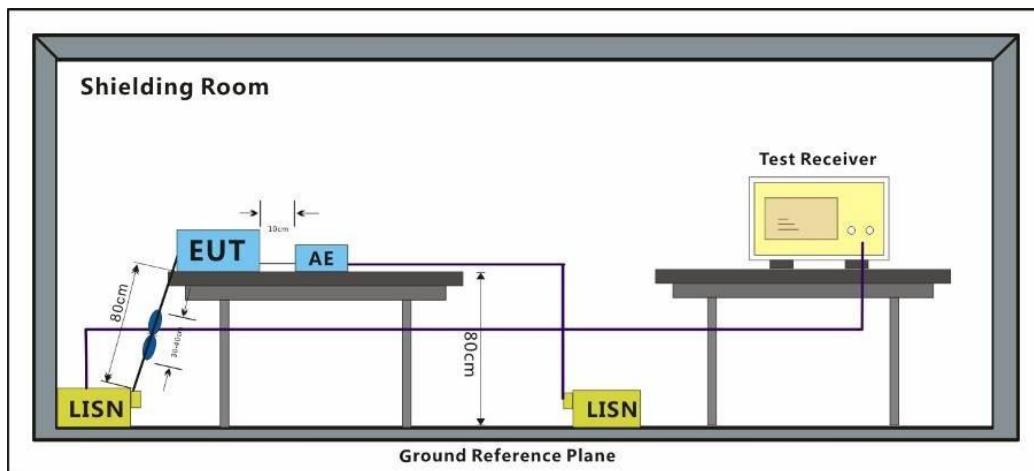


802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter2).

Charge + TX mode (U-NII-3)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter2).

Pre-scan 39

7.1.3 Test Setup Diagram



7.1.4 Measurement Procedure and Data

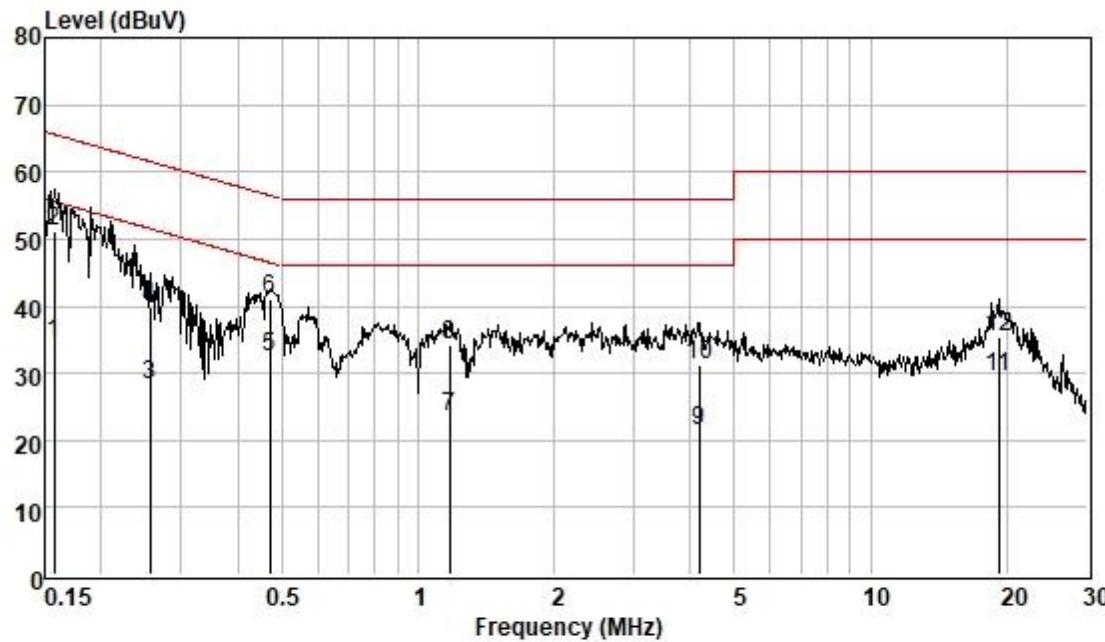
- 1) The mains terminal disturbance voltage test was conducted in a shielded room.
- 2) The EUT was connected to AC power source through a LISN 1 (Line Impedance Stabilization Network) which provides a 50ohm/50 μ H + 5ohm linear impedance. The power cables of all other units of the EUT were connected 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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Test Mode: 18; Line: Live line



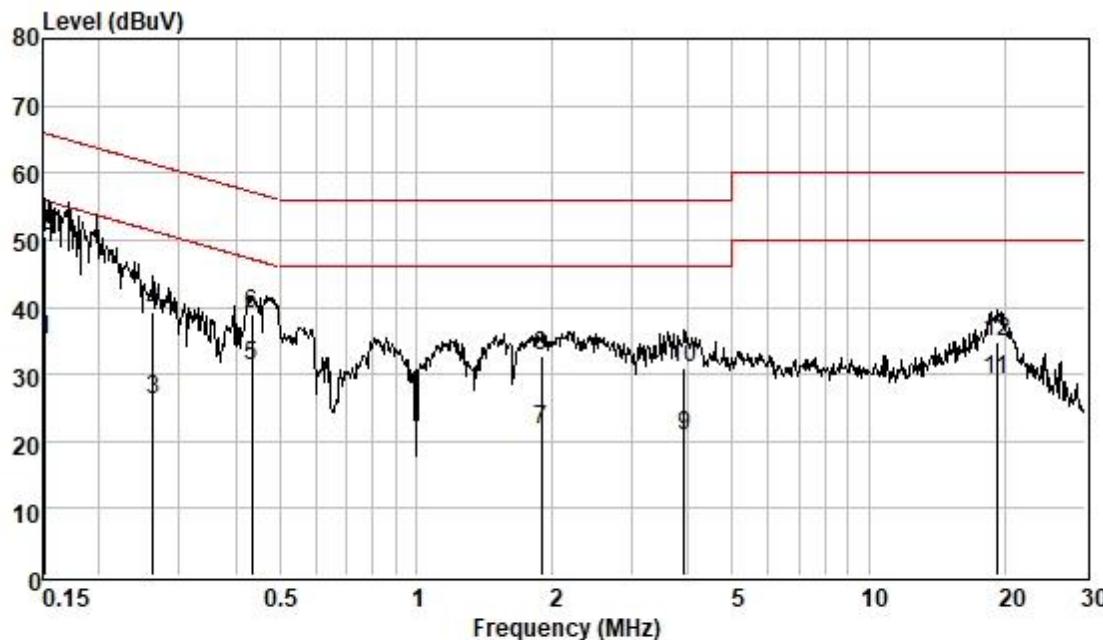
Pol :LINE
Mode :
Model :

| | Frequenc | Read | Cable | LISN | Measured | Limit | Over | Remark |
|----|----------|-------|-------|--------|----------|-------|--------|---------|
| | MHz | Level | Loss | Factor | Level | Line | Limit | dB |
| | | dBuV | dB | dB | dBuV | dBuV | | |
| 1 | 0.157 | 24.99 | 0.06 | 9.54 | 34.59 | 55.60 | -21.01 | Average |
| 2 | 0.157 | 41.59 | 0.06 | 9.54 | 51.19 | 65.60 | -14.41 | QP |
| 3 | 0.256 | 18.75 | 0.06 | 9.57 | 28.38 | 51.56 | -23.18 | Average |
| 4 | 0.256 | 30.30 | 0.06 | 9.57 | 39.93 | 61.56 | -21.63 | QP |
| 5 | 0.471 | 22.76 | 0.07 | 9.59 | 32.42 | 46.49 | -14.07 | Average |
| 6 | 0.471 | 31.52 | 0.07 | 9.59 | 41.18 | 56.49 | -15.31 | QP |
| 7 | 1.172 | 13.96 | 0.08 | 9.60 | 23.64 | 46.00 | -22.36 | Average |
| 8 | 1.172 | 24.46 | 0.08 | 9.60 | 34.14 | 56.00 | -21.86 | QP |
| 9 | 4.180 | 11.50 | 0.17 | 9.64 | 21.31 | 46.00 | -24.69 | Average |
| 10 | 4.180 | 21.44 | 0.17 | 9.64 | 31.25 | 56.00 | -24.75 | QP |
| 11 | 19.122 | 19.36 | 0.36 | 9.84 | 29.56 | 50.00 | -20.44 | Average |
| 12 | 19.122 | 25.19 | 0.36 | 9.84 | 35.39 | 60.00 | -24.61 | QP |

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Test Mode: 18; Line: Neutral Line



Pol : NEUTRAL

Mode :

Model :

| | Frequenc | Read Level | Cable Loss | LISN Factor | Measured Level | Limit Line | Over Limit | Remark |
|----|----------|------------|------------|-------------|----------------|------------|------------|---------|
| | MHz | dBuV | dB | dB | dBuV | dBuV | dB | |
| 1 | 0.152 | 25.40 | 0.06 | 9.53 | 34.99 | 55.91 | -20.92 | Average |
| 2 | 0.152 | 40.87 | 0.06 | 9.53 | 50.46 | 65.91 | -15.45 | QP |
| 3 | 0.263 | 16.58 | 0.06 | 9.56 | 26.20 | 51.34 | -25.14 | Average |
| 4 | 0.263 | 29.63 | 0.06 | 9.56 | 39.25 | 61.34 | -22.09 | QP |
| 5 | 0.435 | 21.55 | 0.06 | 9.58 | 31.19 | 47.15 | -15.96 | Average |
| 6 | 0.435 | 29.32 | 0.06 | 9.58 | 38.96 | 57.15 | -18.19 | QP |
| 7 | 1.888 | 12.07 | 0.11 | 9.59 | 21.77 | 46.00 | -24.23 | Average |
| 8 | 1.888 | 22.93 | 0.11 | 9.59 | 32.63 | 56.00 | -23.37 | QP |
| 9 | 3.901 | 10.98 | 0.16 | 9.63 | 20.77 | 46.00 | -25.23 | Average |
| 10 | 3.901 | 21.05 | 0.16 | 9.63 | 30.84 | 56.00 | -25.16 | QP |
| 11 | 19.122 | 18.76 | 0.36 | 9.89 | 29.01 | 50.00 | -20.99 | Average |
| 12 | 19.122 | 24.58 | 0.36 | 9.89 | 34.83 | 60.00 | -25.17 | QP |

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7.2 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:

| 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 |

***(1)** For transmitters operating in the 5.15-5.25 GHz band: All emissions outside of the 5.15-5.35 GHz band shall not exceed an e.i.r.p. of -27 dBm/MHz.

(2) 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.

(3) 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.

(4) For transmitters operating in the 5.725-5.85 GHz band:

(i) All emissions shall be limited to a level of -27 dBm/MHz at 75 MHz or more above or below the band edge increasing linearly to 10 dBm/MHz at 25 MHz above or below the band edge, and from 25 MHz above or below the band edge increasing linearly to a level of 15.6 dBm/MHz at 5 MHz above or below the band edge, and from 5 MHz above or below the band edge increasing linearly to a level of 27 dBm/MHz at the band edge.

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.

7.2.1 E.U.T. Operation

Operating Environment:

Temperature: 20.2 °C

Humidity: 53.3 % RH

Atmospheric Pressure: 1015 mbar



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7.2.2 Test Mode Description

| Pre-scan / Final test | Mode Code | Description |
|-----------------------|-----------|--|
| Pre-scan | 17 | TX mode (U-NII-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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter1). |
| Final test | 18 | Charge + TX mode (U-NII-1)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter1). |
| Pre-scan | 19 | TX mode (U-NII-2A)_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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter1). |
| Final test | 20 | Charge + TX mode (U-NII-2A)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter1). |
| Pre-scan | 21 | TX mode (U-NII-2C)_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; |

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Final test 22

data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter1).

Charge + TX mode (U-NII-2C)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter1).

Pre-scan 23

TX mode (U-NII-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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter1).

Final test 24

Charge + TX mode (U-NII-3)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter1).

Pre-scan 32

TX mode (U-NII-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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter1).

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Pre-scan 33

report(Adapter2).

Charge + TX mode (U-NII-1)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter2).

Pre-scan 34

TX mode (U-NII-2A)_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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter2).

Pre-scan 35

Charge + TX mode (U-NII-2A)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter2).

Pre-scan 36

TX mode (U-NII-2C)_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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter2).

Pre-scan 37

Charge + TX mode (U-NII-2C)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ VHT0 is the worst case of IEEE

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802.11ac(HT160); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT160). Only the data of worst case is recorded in the report(Adapter2).

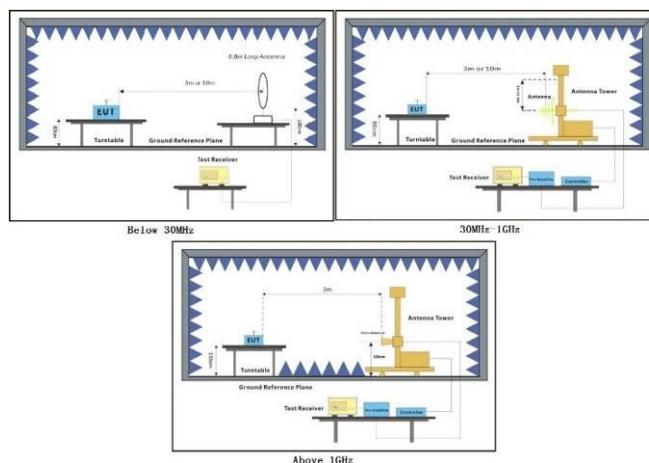
TX mode (U-NII-3)_Keep the EUT in continuously transmitting mode with all modulation types.All data rates for each modulation type have been tested and found the data rate @ 6Mbps is the worst case of IEEE 802.11a; data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter2).

Charge + TX mode (U-NII-3)_Keep the EUT in charging and 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 @ HT0/HT8 is the worst case of IEEE 802.11n(HT20); data rate @ HT0/HT8 is the worst case of IEEE 802.11n(HT40); data rate @ VHT0 is the worst case of IEEE 802.11ac(HT80); data rate @ HE0 is the worst case of IEEE 802.11ax(HT20); data rate @ HE0 is the worst case of IEEE 802.11ax(HT40); data rate @ HE0 is the worst case of IEEE 802.11ax(HT80). Only the data of worst case is recorded in the report(Adapter2).

Pre-scan 38

Pre-scan 39

7.2.3 Test Setup Diagram



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7.2.4 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.

Remark1: Level= Read Level+ Cable Loss+ Antenna Factor- Preamp Factor

Remark2: For devices with multiple operating modes, measurements on the middle channel is used to determine the worst-case mode(s). Only the worst case mode with the widest bandwidth which can be covered the same channel (center frequency) on modes with narrower bandwidth that have the same or lower output power for each modulation family (e.g., OFDM and direct sequence spread spectrum) is recorded in the test report.

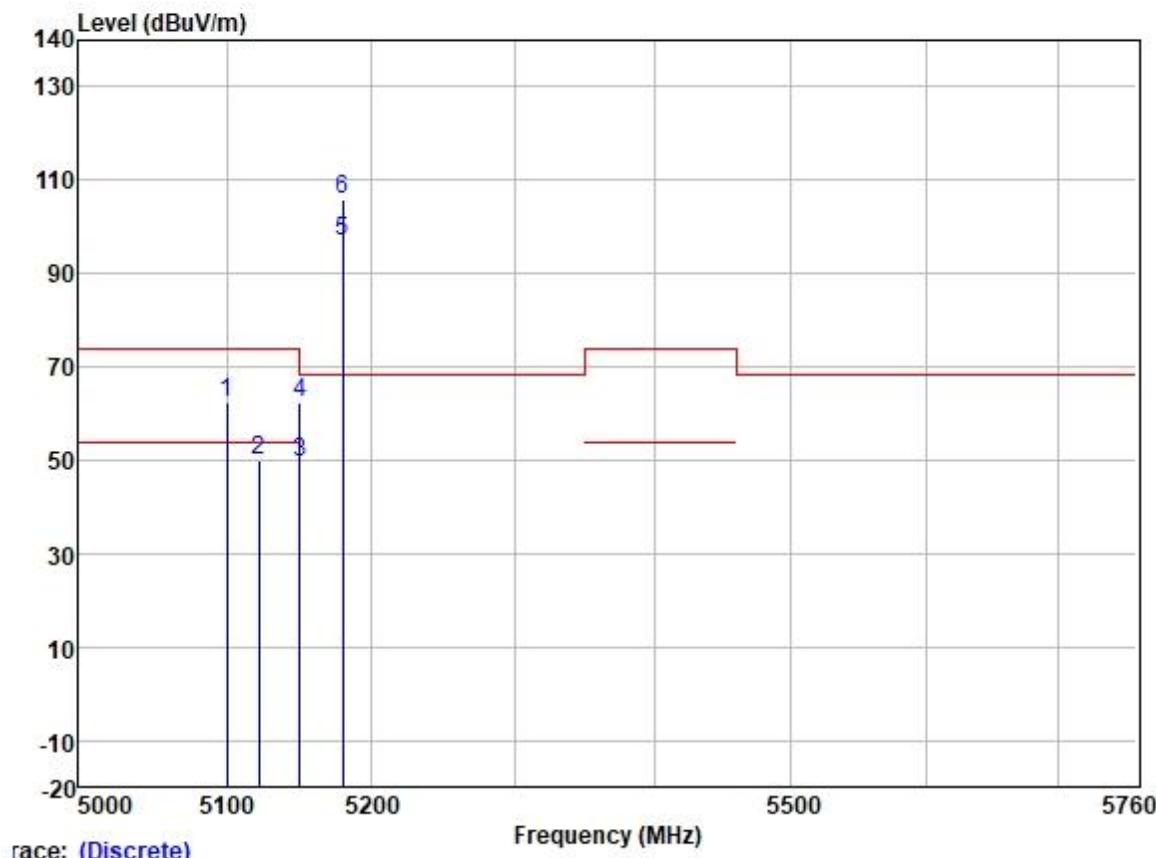
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



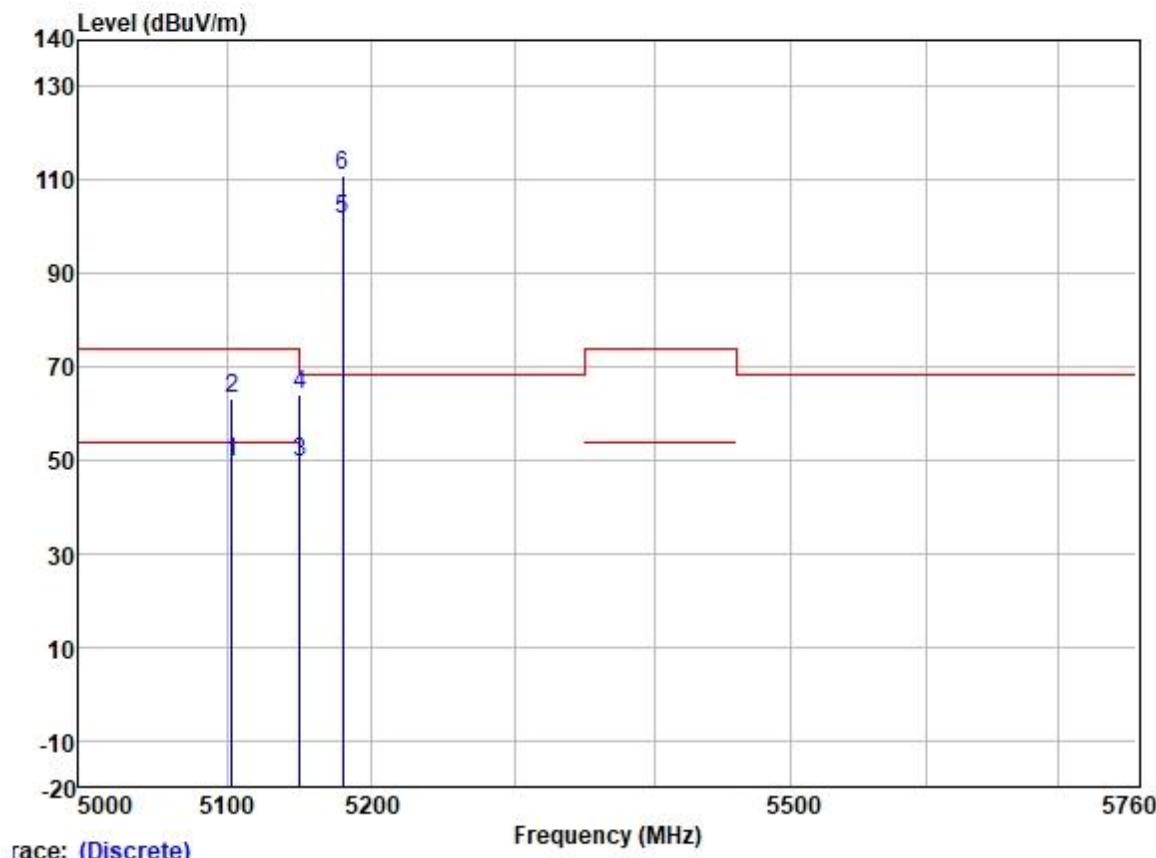
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 5100.297 | 62.00 | 31.72 | 5.65 | 36.86 | 62.51 | 74.00 | -11.49 | HORIZONTAL | Peak | |
| 2 5121.734 | 49.38 | 31.72 | 5.64 | 36.86 | 49.88 | 54.00 | -4.12 | HORIZONTAL | Average | |
| 3 5149.980 | 48.95 | 31.72 | 5.62 | 36.86 | 49.43 | 54.00 | -4.57 | HORIZONTAL | Average | |
| 4 5149.980 | 61.99 | 31.72 | 5.62 | 36.86 | 62.47 | 74.00 | -11.53 | HORIZONTAL | Peak | |
| 5 5180.000 | 96.41 | 31.73 | 5.61 | 36.87 | 96.88 | ----- | ----- | HORIZONTAL | Average | |
| 6 * 5180.000 | 105.48 | 31.73 | 5.61 | 36.87 | 105.95 | 68.20 | 37.75 | HORIZONTAL | Peak | |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|------------|-----------|-----------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | |
| | MHz | dBuV | dB/m | | dB | | | | | |
| 1 | 5103.368 | 49.23 | 31.72 | 5.65 | 36.86 | 49.74 | 54.00 | -4.26 | VERTICAL | Average |
| 2 | 5103.368 | 62.64 | 31.72 | 5.65 | 36.86 | 63.15 | 74.00 | -10.85 | VERTICAL | Peak |
| 3 | 5149.980 | 49.01 | 31.72 | 5.62 | 36.86 | 49.49 | 54.00 | -4.51 | VERTICAL | Average |
| 4 | 5149.980 | 63.49 | 31.72 | 5.62 | 36.86 | 63.97 | 74.00 | -10.03 | VERTICAL | Peak |
| 5 | 5180.000 | 101.16 | 31.73 | 5.61 | 36.87 | 101.63 | ----- | ----- | VERTICAL | Average |
| 6 * | 5180.000 | 110.67 | 31.73 | 5.61 | 36.87 | 111.14 | 68.20 | 42.94 | VERTICAL | Peak |

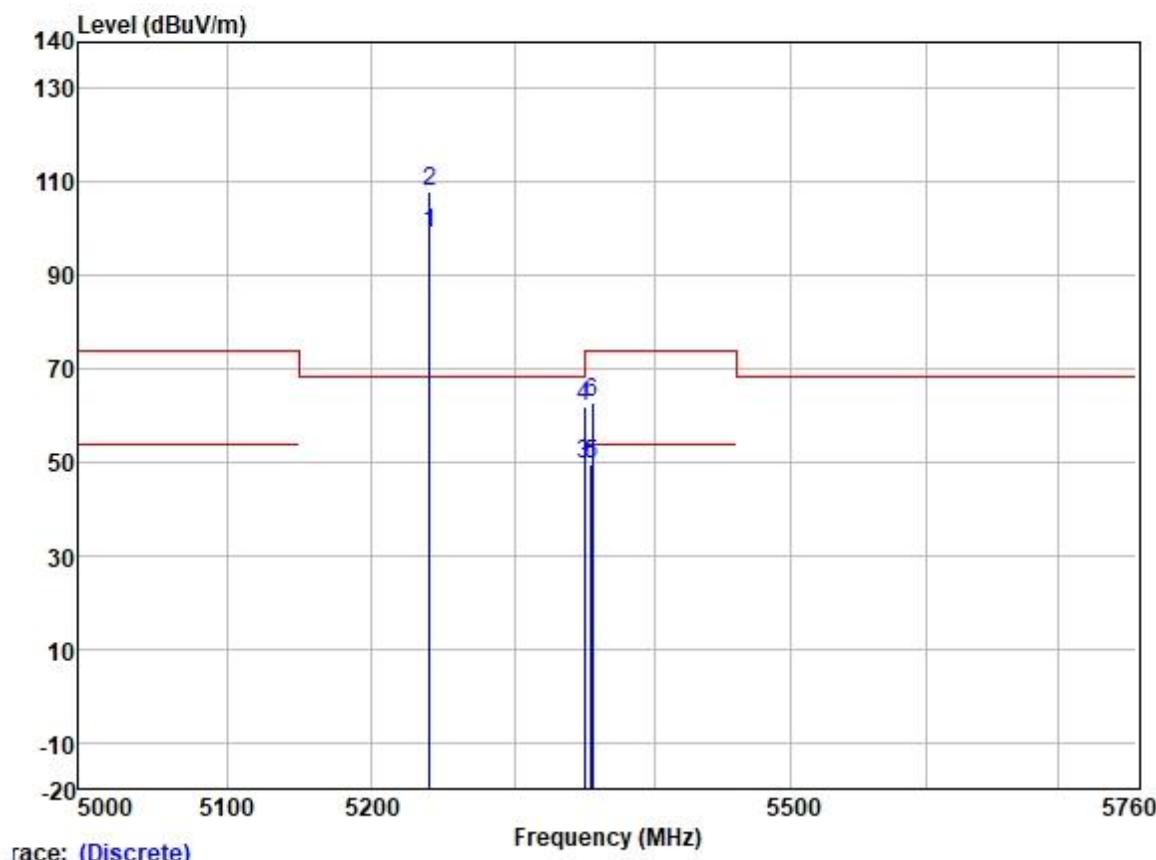
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



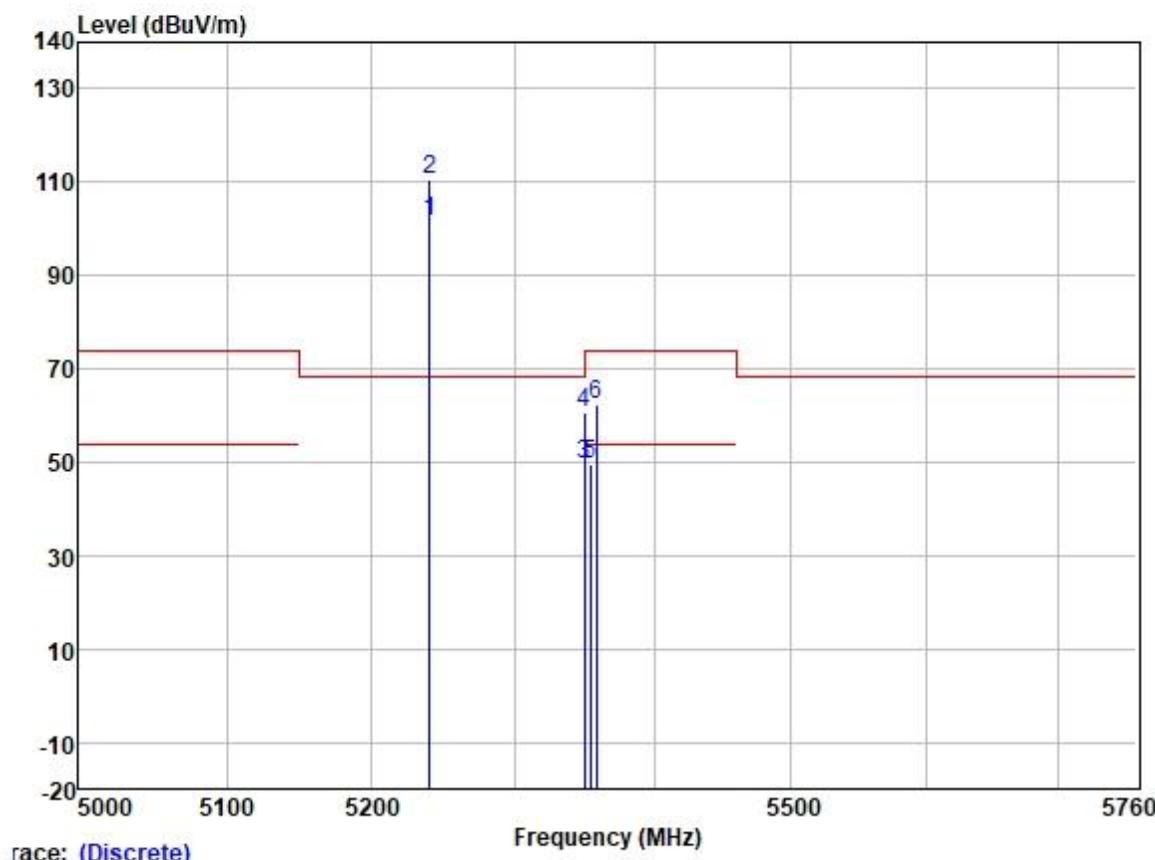
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|-------|--------|-------|-------|-----------|--------------------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV | dBuV/m | dB | | | |
| 1 | 5240.000 | 98.55 | 31.75 | 5.74 | 36.87 | 99.17 | ----- | ----- | ----- | ----- | ----- | HORIZONTAL Average |
| 2 * | 5240.000 | 107.57 | 31.75 | 5.74 | 36.87 | 108.19 | 68.20 | 39.99 | ----- | ----- | ----- | HORIZONTAL Peak |
| 3 | 5350.020 | 48.74 | 31.77 | 6.05 | 36.88 | 49.68 | 54.00 | -4.32 | ----- | ----- | ----- | HORIZONTAL Average |
| 4 | 5350.020 | 61.19 | 31.77 | 6.05 | 36.88 | 62.13 | 74.00 | -11.87 | ----- | ----- | ----- | HORIZONTAL Peak |
| 5 | 5354.754 | 48.73 | 31.78 | 6.03 | 36.88 | 49.66 | 54.00 | -4.34 | ----- | ----- | ----- | HORIZONTAL Average |
| 6 | 5355.746 | 61.74 | 31.78 | 6.03 | 36.88 | 62.67 | 74.00 | -11.33 | ----- | ----- | ----- | HORIZONTAL Peak |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



| Freq | ReadAntenna | | Cable | | Preamp | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|-------|--------|--------|--------|-------|--------|----------|-----------|---------|
| | Level | Factor | Loss | Factor | | | | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | | |
| 1 | 5240.000 | 100.84 | 31.75 | 5.74 | 36.87 | 101.46 | ----- | ----- | ----- | ----- | Average |
| 2 | * 5240.000 | 109.86 | 31.75 | 5.74 | 36.87 | 110.48 | 68.20 | 42.28 | VERTICAL | VERTICAL | Peak |
| 3 | 5350.020 | 48.61 | 31.77 | 6.05 | 36.88 | 49.55 | 54.00 | -4.45 | VERTICAL | VERTICAL | Average |
| 4 | 5350.020 | 59.88 | 31.77 | 6.05 | 36.88 | 60.82 | 74.00 | -13.18 | VERTICAL | VERTICAL | Peak |
| 5 | 5354.045 | 48.71 | 31.77 | 6.05 | 36.88 | 49.65 | 54.00 | -4.35 | VERTICAL | VERTICAL | Average |
| 6 | 5358.156 | 61.29 | 31.78 | 6.03 | 36.88 | 62.22 | 74.00 | -11.78 | VERTICAL | VERTICAL | Peak |

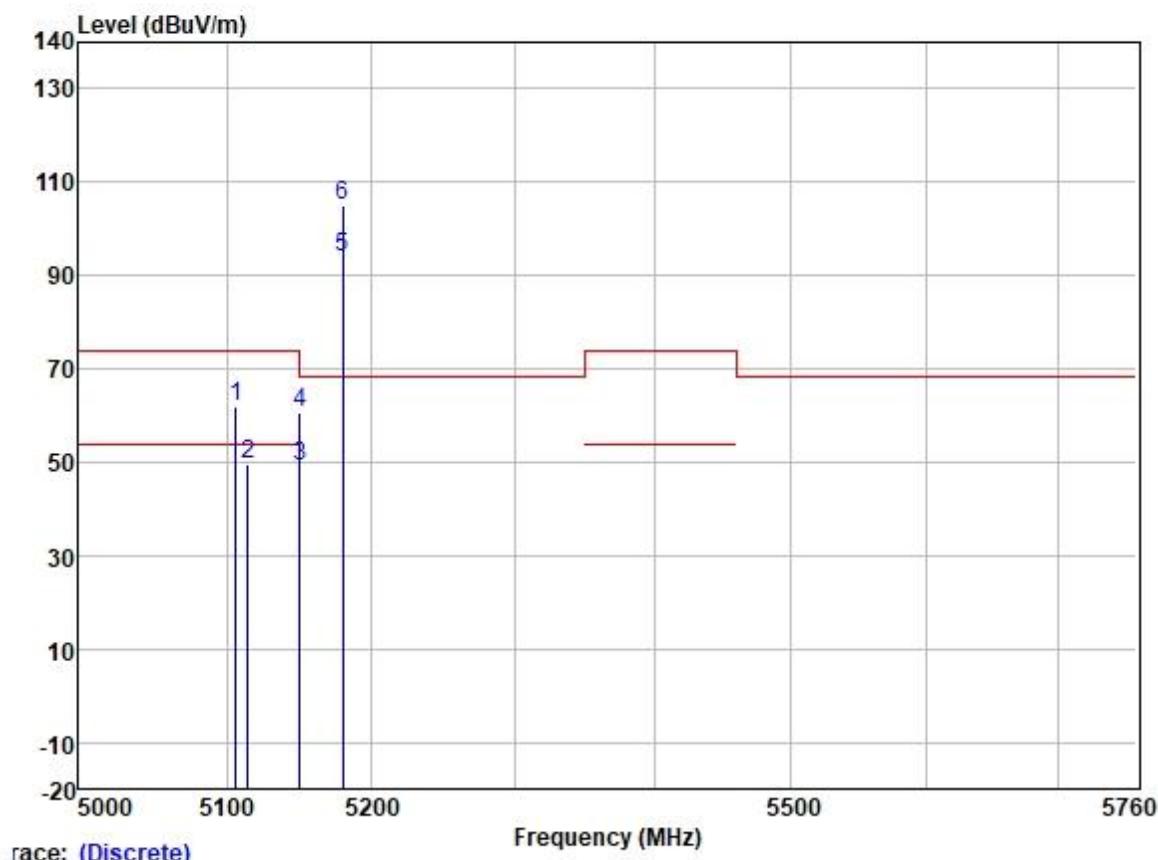
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



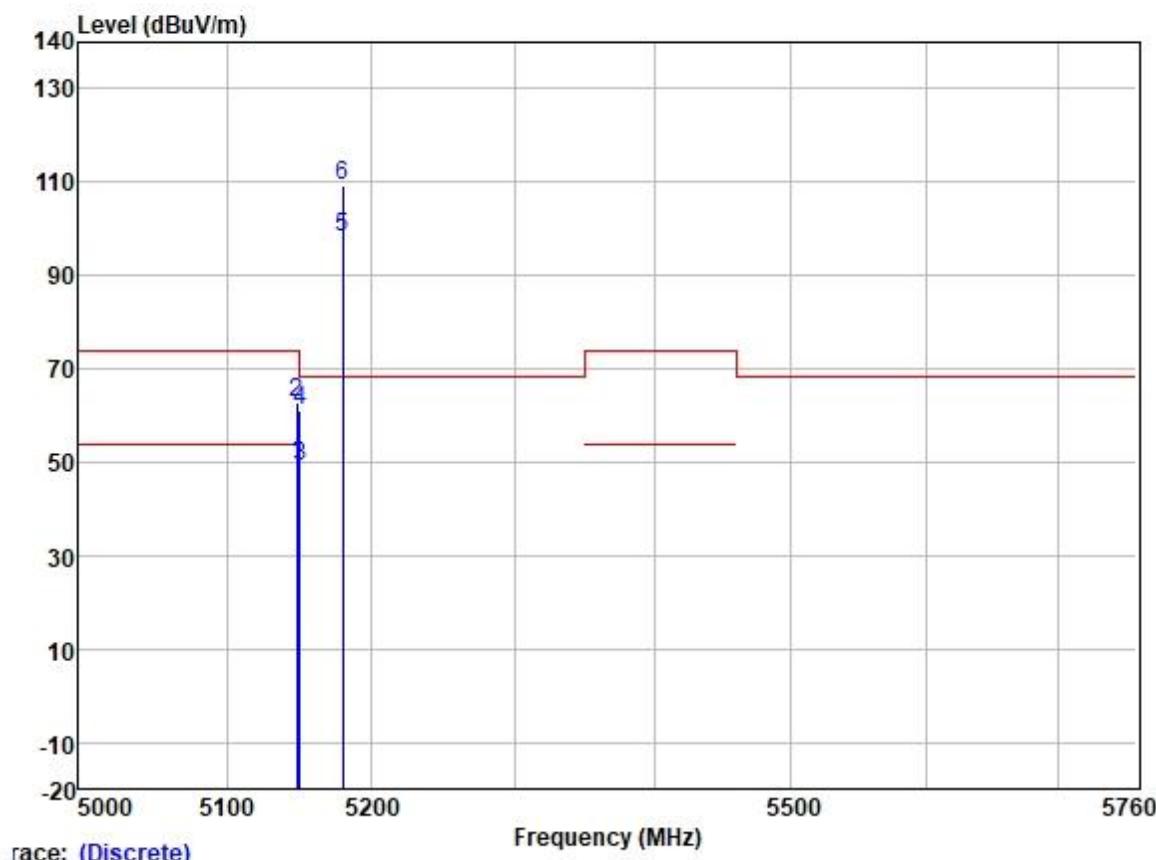
Mode: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|------------|---------|-----------|--------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | | |
| 1 | 5105.945 | 61.56 | 31.72 | 5.65 | 36.86 | 62.07 | 74.00 | -11.93 | HORIZONTAL | Peak | | |
| 2 | 5114.479 | 49.02 | 31.72 | 5.64 | 36.86 | 49.52 | 54.00 | -4.48 | HORIZONTAL | Average | | |
| 3 | 5149.980 | 48.64 | 31.72 | 5.62 | 36.86 | 49.12 | 54.00 | -4.88 | HORIZONTAL | Average | | |
| 4 | 5149.980 | 60.28 | 31.72 | 5.62 | 36.86 | 60.76 | 74.00 | -13.24 | HORIZONTAL | Peak | | |
| 5 | 5180.000 | 93.64 | 31.73 | 5.61 | 36.87 | 94.11 | ----- | ----- | HORIZONTAL | Average | | |
| 6 * | 5180.000 | 104.69 | 31.73 | 5.61 | 36.87 | 105.16 | 68.20 | 36.96 | HORIZONTAL | Peak | | |

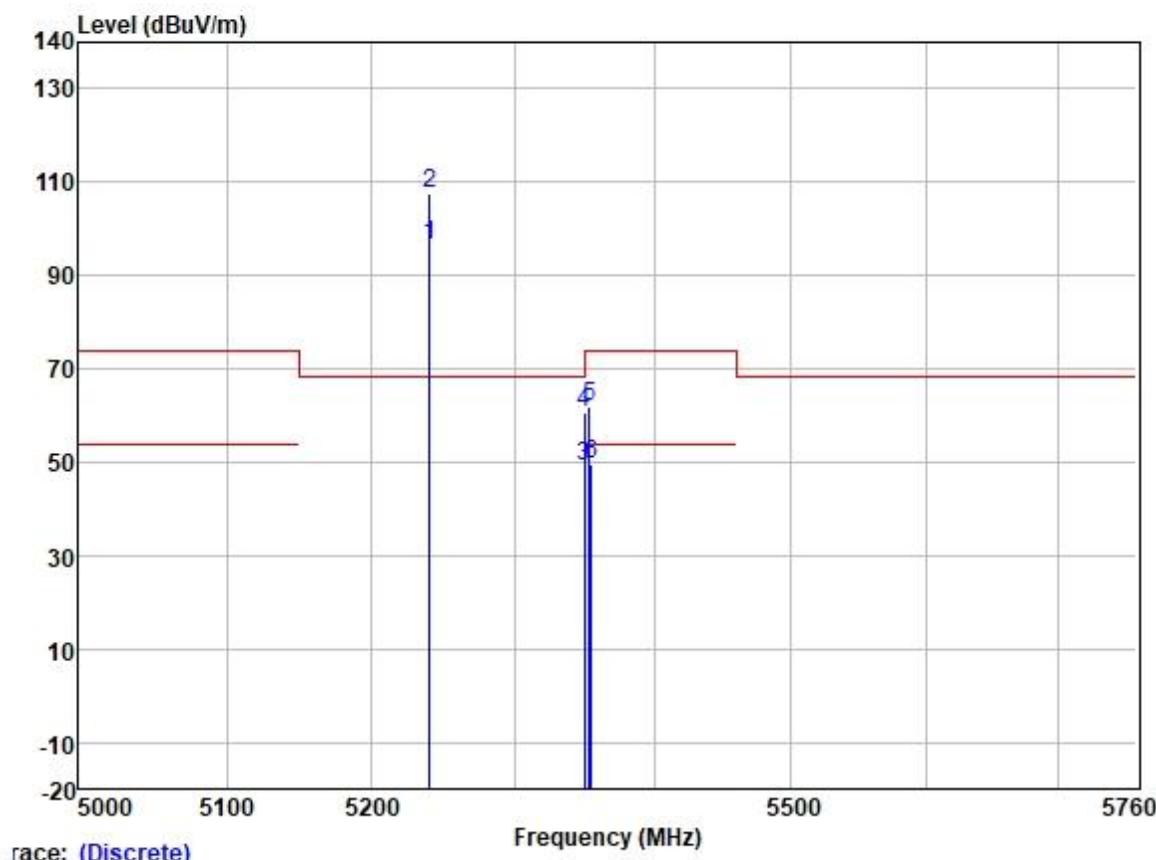
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Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



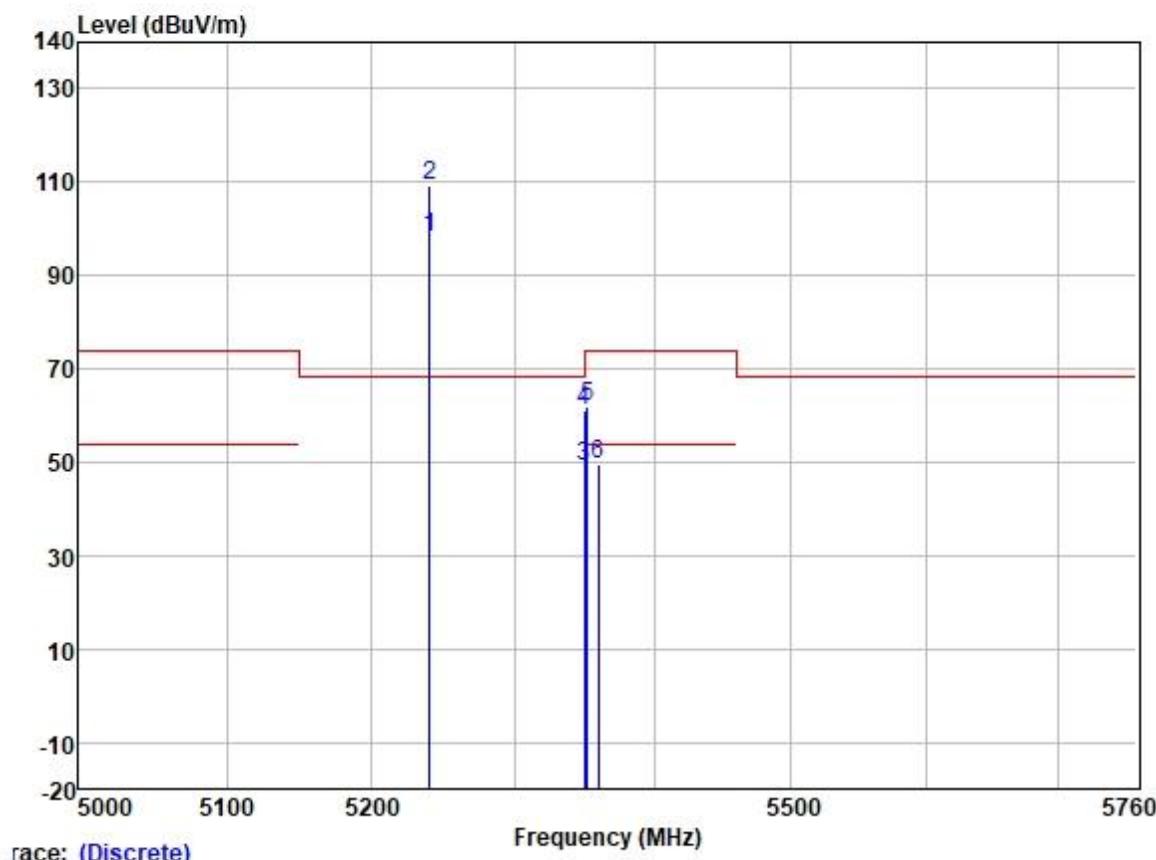
Trace: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | Loss Factor | Level | Limit | Line | Over | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|-------------|-------|--------|-------|-------|------------|---------|
| | MHz | dBuV | Factor | dB | | | | | | | | |
| 1 | 5240.000 | 95.67 | 31.75 | 5.74 | 36.87 | 96.29 | ----- | ----- | ----- | ----- | HORIZONTAL | Average |
| 2 * | 5240.000 | 106.78 | 31.75 | 5.74 | 36.87 | 107.40 | 68.20 | 39.20 | ----- | ----- | HORIZONTAL | Peak |
| 3 | 5350.020 | 48.35 | 31.77 | 6.05 | 36.88 | 49.29 | 54.00 | -4.71 | ----- | ----- | HORIZONTAL | Average |
| 4 | 5350.020 | 59.88 | 31.77 | 6.05 | 36.88 | 60.82 | 74.00 | -13.18 | ----- | ----- | HORIZONTAL | Peak |
| 5 | 5353.053 | 60.95 | 31.77 | 6.05 | 36.88 | 61.89 | 74.00 | -12.11 | ----- | ----- | HORIZONTAL | Peak |
| 6 | 5355.037 | 48.63 | 31.78 | 6.03 | 36.88 | 49.56 | 54.00 | -4.44 | ----- | ----- | HORIZONTAL | Average |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



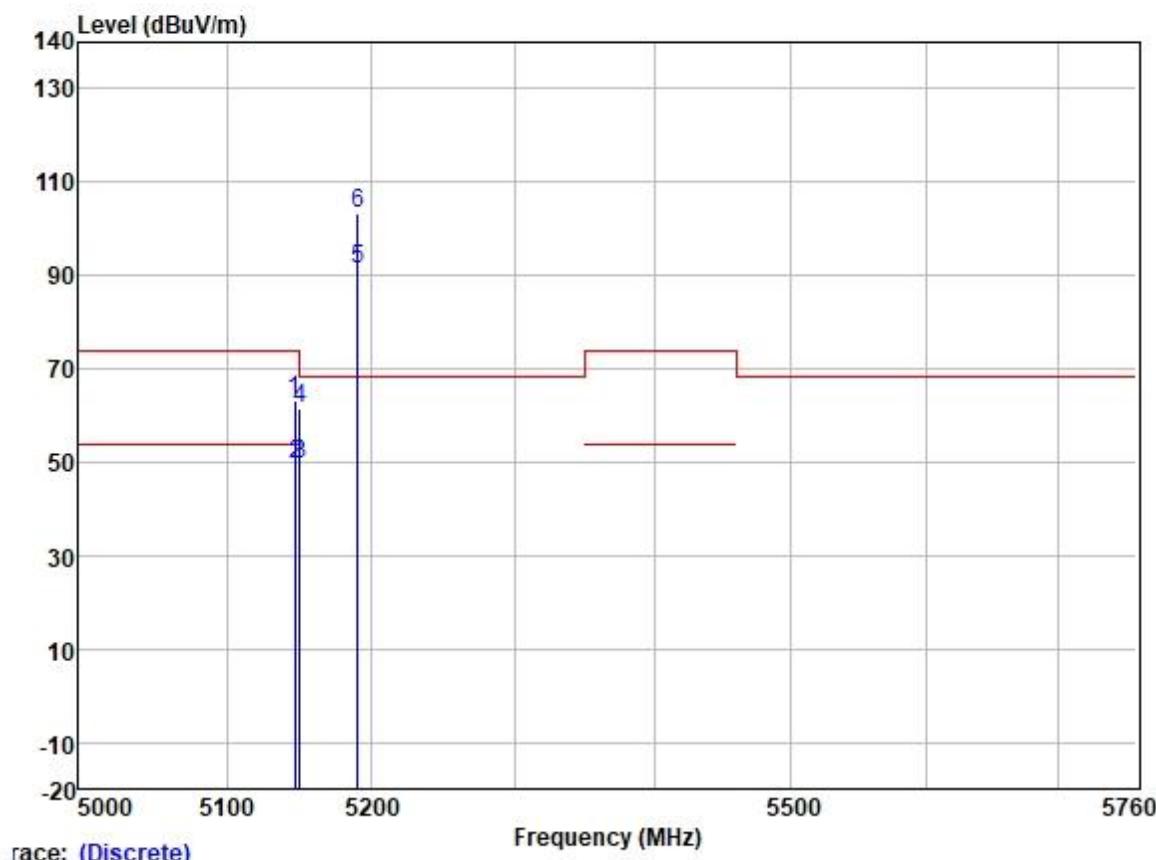
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | Loss Factor | Level | Limit | Line | Over | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|-------------|-------|--------|----------|-------|-----------|---------|
| | MHz | dBuV | Factor | dB | | | | | | | | |
| 1 | 5240.000 | 97.71 | 31.75 | 5.74 | 36.87 | 98.33 | ----- | ----- | ----- | ----- | ----- | Average |
| 2 * | 5240.000 | 108.56 | 31.75 | 5.74 | 36.87 | 109.18 | 68.20 | 40.98 | VERTICAL | 40.98 | VERTICAL | Peak |
| 3 | 5350.020 | 48.39 | 31.77 | 6.05 | 36.88 | 49.33 | 54.00 | -4.67 | VERTICAL | 54.00 | VERTICAL | Average |
| 4 | 5350.020 | 60.08 | 31.77 | 6.05 | 36.88 | 61.02 | 74.00 | -12.98 | VERTICAL | 74.00 | VERTICAL | Peak |
| 5 | 5352.062 | 61.03 | 31.77 | 6.05 | 36.88 | 61.97 | 74.00 | -12.03 | VERTICAL | 74.00 | VERTICAL | Peak |
| 6 | 5359.574 | 48.62 | 31.78 | 6.03 | 36.88 | 49.55 | 54.00 | -4.45 | VERTICAL | 54.00 | VERTICAL | Average |

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Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low

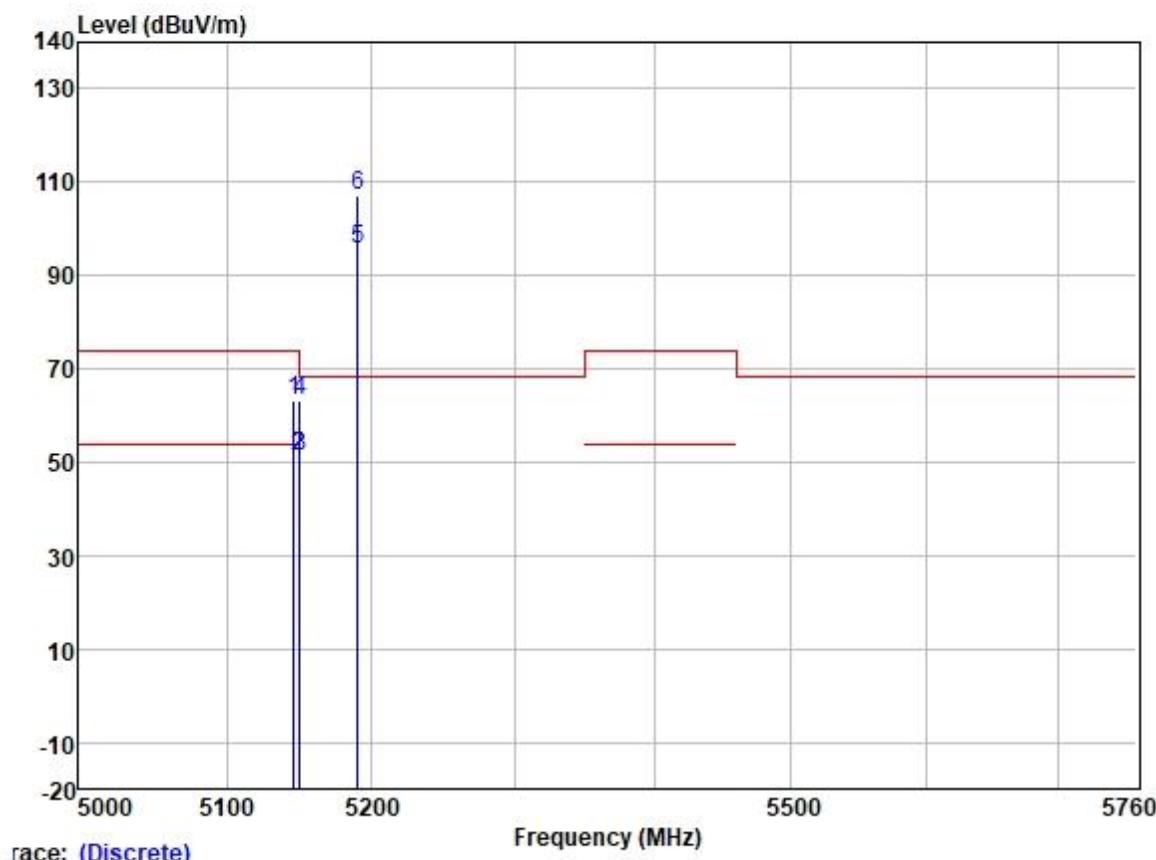


| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | Line | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 5146.588 | 62.60 | 31.72 | 5.62 | 36.86 | 63.08 | 74.00 | -10.92 | HORIZONTAL | Peak | |
| 2 5147.545 | 49.15 | 31.72 | 5.62 | 36.86 | 49.63 | 54.00 | -4.37 | HORIZONTAL | Average | |
| 3 5149.980 | 49.21 | 31.72 | 5.62 | 36.86 | 49.69 | 54.00 | -4.31 | HORIZONTAL | Average | |
| 4 5149.980 | 61.10 | 31.72 | 5.62 | 36.86 | 61.58 | 74.00 | -12.42 | HORIZONTAL | Peak | |
| 5 5190.000 | 91.01 | 31.73 | 5.60 | 36.87 | 91.47 | ----- | ----- | HORIZONTAL | Average | |
| 6 * 5190.000 | 102.74 | 31.73 | 5.60 | 36.87 | 103.20 | 68.20 | 35.00 | HORIZONTAL | Peak | |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|----------|---------|-----------|--------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | | |
| 1 | 5146.229 | 62.83 | 31.72 | 5.62 | 36.86 | 63.31 | 74.00 | -10.69 | VERTICAL | Peak | | |
| 2 | 5149.461 | 50.66 | 31.72 | 5.62 | 36.86 | 51.14 | 54.00 | -2.86 | VERTICAL | Average | | |
| 3 | 5149.980 | 50.63 | 31.72 | 5.62 | 36.86 | 51.11 | 54.00 | -2.89 | VERTICAL | Average | | |
| 4 | 5149.980 | 62.87 | 31.72 | 5.62 | 36.86 | 63.35 | 74.00 | -10.65 | VERTICAL | Peak | | |
| 5 | 5190.000 | 95.09 | 31.73 | 5.60 | 36.87 | 95.55 | ----- | ----- | VERTICAL | Average | | |
| 6 * | 5190.000 | 106.78 | 31.73 | 5.60 | 36.87 | 107.24 | 68.20 | 39.04 | VERTICAL | Peak | | |

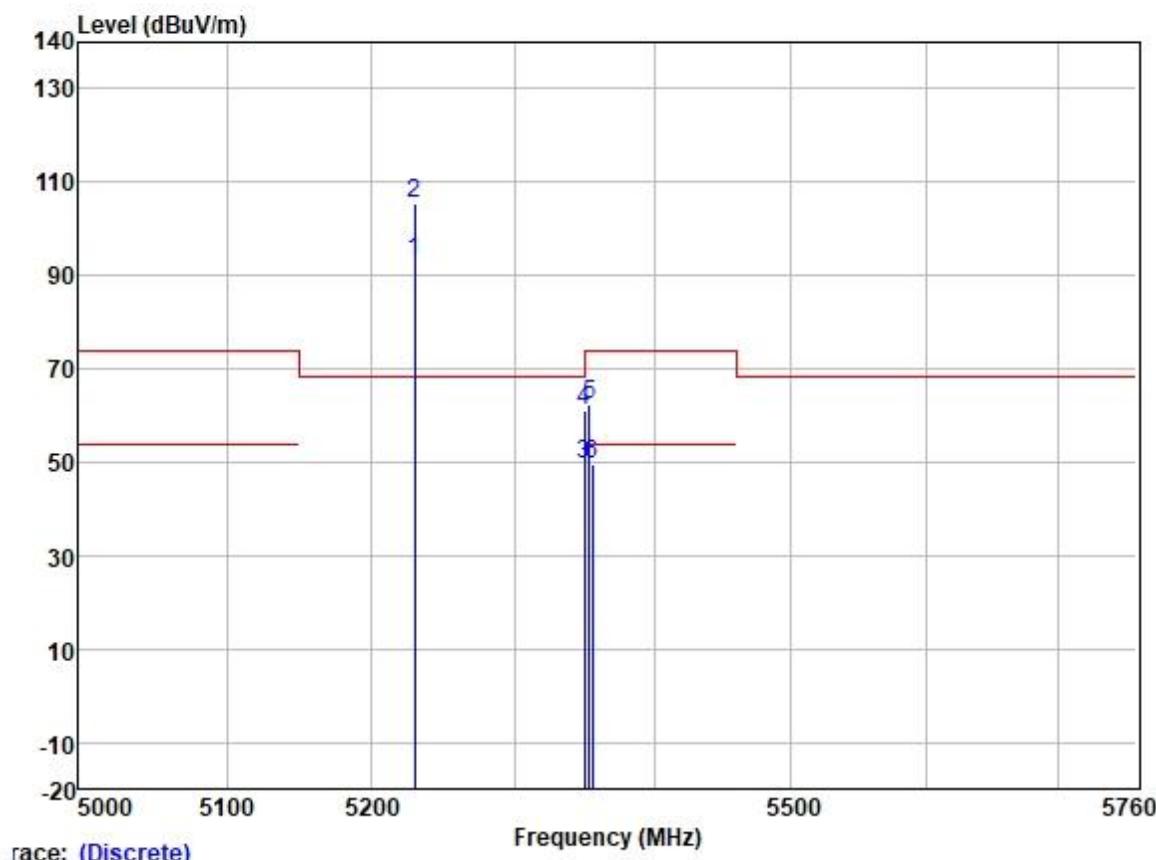
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High

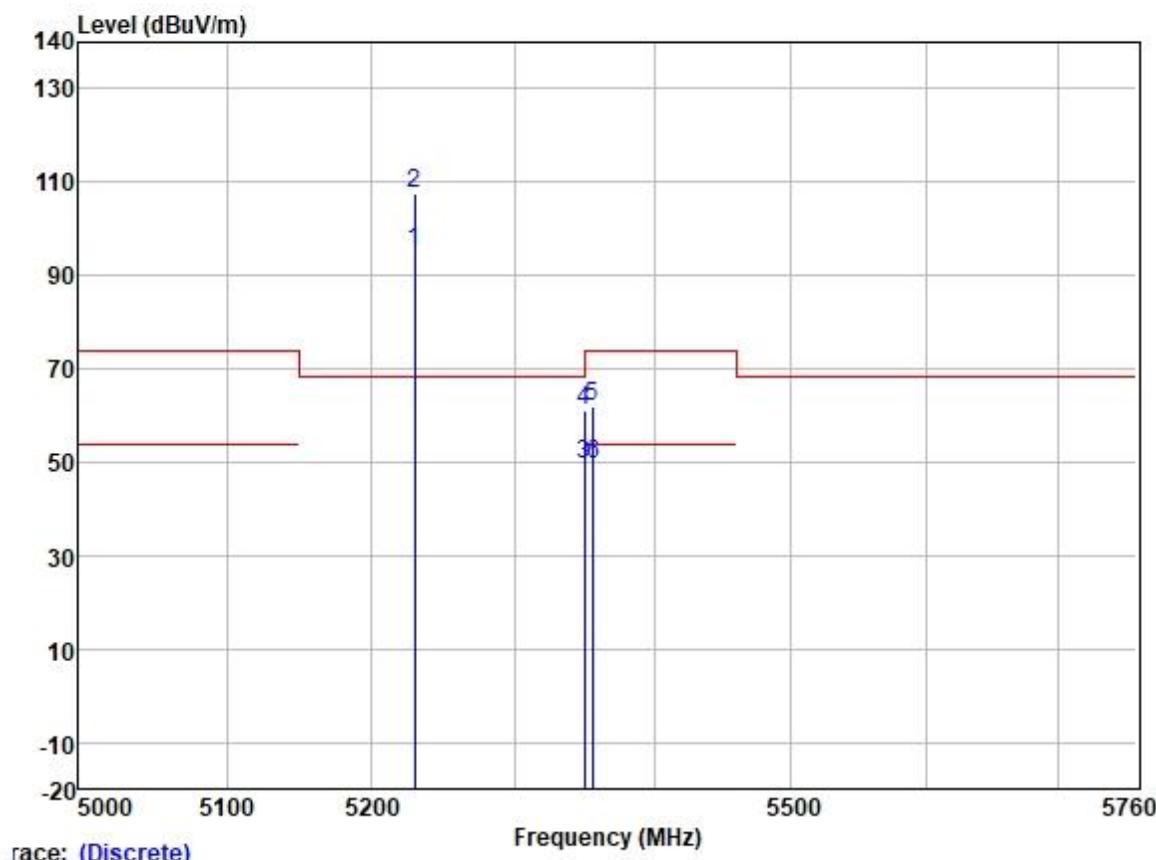


| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|------------|-----------|------------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5230.000 | 92.55 | 31.74 | 5.70 | 36.87 | 93.12 | ----- | ----- | HORIZONTAL | Average |
| 2 * | 5230.000 | 104.84 | 31.74 | 5.70 | 36.87 | 105.41 | 68.20 | 37.21 | HORIZONTAL | Peak |
| 3 | 5350.020 | 48.41 | 31.77 | 6.05 | 36.88 | 49.35 | 54.00 | -4.65 | HORIZONTAL | Average |
| 4 | 5350.020 | 60.23 | 31.77 | 6.05 | 36.88 | 61.17 | 74.00 | -12.83 | HORIZONTAL | Peak |
| 5 | 5353.506 | 61.39 | 31.77 | 6.05 | 36.88 | 62.33 | 74.00 | -11.67 | HORIZONTAL | Peak |
| 6 | 5355.616 | 48.56 | 31.78 | 6.03 | 36.88 | 49.49 | 54.00 | -4.51 | HORIZONTAL | Average |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



Trace: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|----------|-----------|---------|
| | MHz | Level | Factor | Loss | | | | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | | |
| 1 | 5230.000 | 94.55 | 31.74 | 5.70 | 36.87 | 95.12 | ----- | ----- | ----- | VERTICAL | Average |
| 2 * | 5230.000 | 106.88 | 31.74 | 5.70 | 36.87 | 107.45 | 68.20 | 39.25 | VERTICAL | Peak | |
| 3 | 5350.020 | 48.41 | 31.77 | 6.05 | 36.88 | 49.35 | 54.00 | -4.65 | VERTICAL | Average | |
| 4 | 5350.020 | 60.14 | 31.77 | 6.05 | 36.88 | 61.08 | 74.00 | -12.92 | VERTICAL | Peak | |
| 5 | 5355.778 | 61.10 | 31.78 | 6.03 | 36.88 | 62.03 | 74.00 | -11.97 | VERTICAL | Peak | |
| 6 | 5356.428 | 48.75 | 31.78 | 6.03 | 36.88 | 49.68 | 54.00 | -4.32 | VERTICAL | Average | |

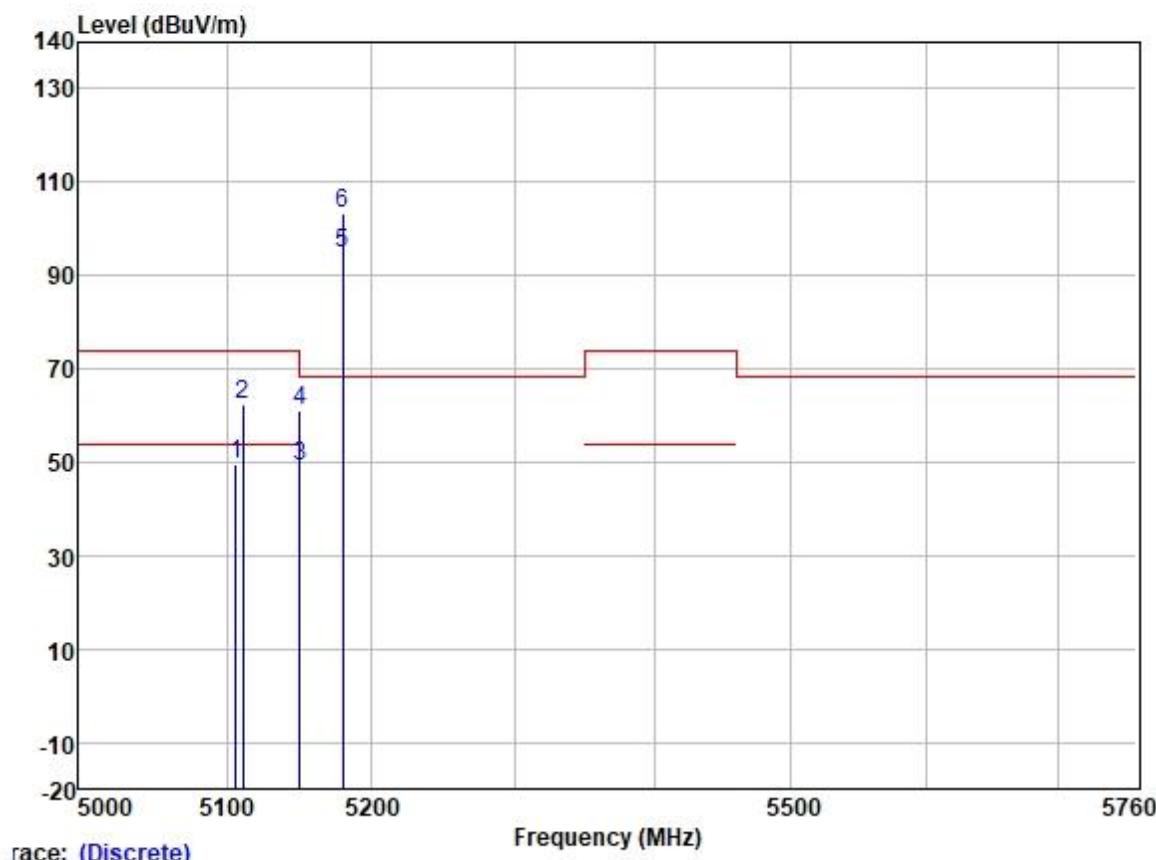
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



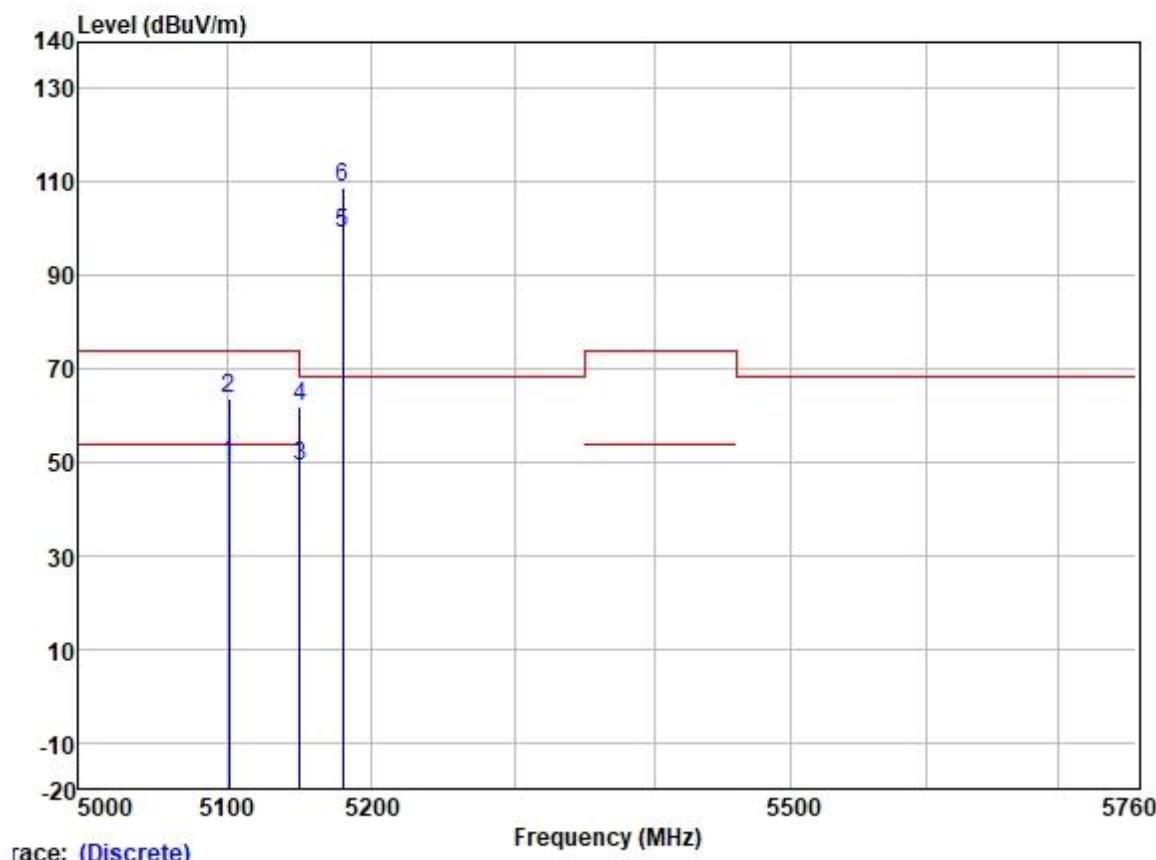
Trace: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|---------|-------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | | | |
| MHz | dBuV | dB/m | dB | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB | dB |
| 1 5106.342 | 48.91 | 31.72 | 5.65 | 36.86 | 49.42 | 54.00 | -4.58 | HORIZONTAL | Average | | | |
| 2 5110.806 | 61.76 | 31.72 | 5.65 | 36.86 | 62.27 | 74.00 | -11.73 | HORIZONTAL | Peak | | | |
| 3 5149.980 | 48.55 | 31.72 | 5.62 | 36.86 | 49.03 | 54.00 | -4.97 | HORIZONTAL | Average | | | |
| 4 5149.980 | 60.53 | 31.72 | 5.62 | 36.86 | 61.01 | 74.00 | -12.99 | HORIZONTAL | Peak | | | |
| 5 5180.000 | 94.10 | 31.73 | 5.61 | 36.87 | 94.57 | ----- | ----- | HORIZONTAL | Average | | | |
| 6 * 5180.000 | 103.05 | 31.73 | 5.61 | 36.87 | 103.52 | 68.20 | 35.32 | HORIZONTAL | Peak | | | |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



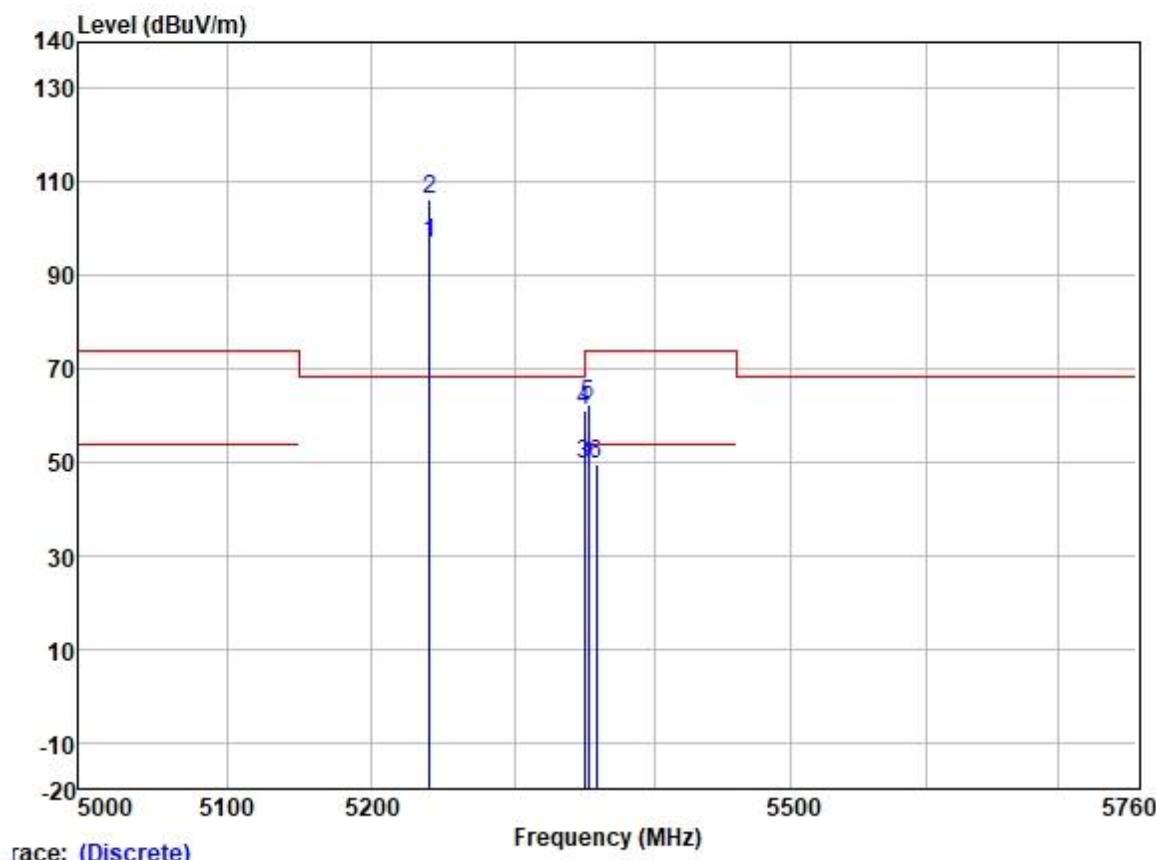
Mode: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|----------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | Line | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 5101.585 | 48.92 | 31.72 | 5.65 | 36.86 | 49.43 | 54.00 | -4.57 | VERTICAL | Average | |
| 2 5101.585 | 63.26 | 31.72 | 5.65 | 36.86 | 63.77 | 74.00 | -10.23 | VERTICAL | Peak | |
| 3 5149.980 | 48.67 | 31.72 | 5.62 | 36.86 | 49.15 | 54.00 | -4.85 | VERTICAL | Average | |
| 4 5149.980 | 61.37 | 31.72 | 5.62 | 36.86 | 61.85 | 74.00 | -12.15 | VERTICAL | Peak | |
| 5 5180.000 | 98.36 | 31.73 | 5.61 | 36.87 | 98.83 | ----- | ----- | VERTICAL | Average | |
| 6 * 5180.000 | 108.49 | 31.73 | 5.61 | 36.87 | 108.96 | 68.20 | 40.76 | VERTICAL | Peak | |

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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High

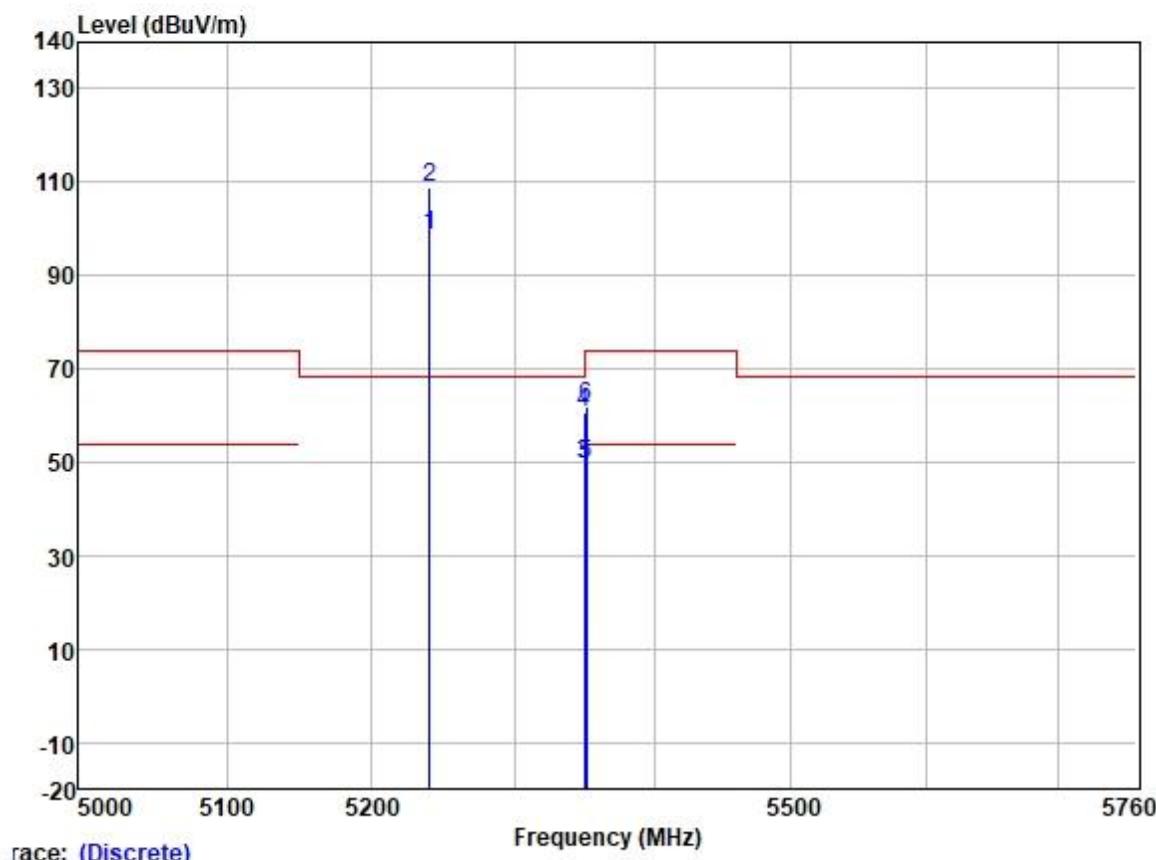


| Race: (Discrete) | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Limit | Pol/Phase | Remark |
|------------------|-------------|--------|--------|------|--------|--------|------------|------------|------------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5240.000 | 96.12 | 31.75 | 5.74 | 36.87 | 96.74 | ----- | ----- | HORIZONTAL | Average |
| 2 * | 5240.000 | 105.65 | 31.75 | 5.74 | 36.87 | 106.27 | 68.20 | 38.07 | HORIZONTAL | Peak |
| 3 | 5350.020 | 48.40 | 31.77 | 6.05 | 36.88 | 49.34 | 54.00 | -4.66 | HORIZONTAL | Average |
| 4 | 5350.020 | 60.20 | 31.77 | 6.05 | 36.88 | 61.14 | 74.00 | -12.86 | HORIZONTAL | Peak |
| 5 | 5352.487 | 61.23 | 31.77 | 6.05 | 36.88 | 62.17 | 74.00 | -11.83 | HORIZONTAL | Peak |
| 6 | 5358.014 | 48.62 | 31.78 | 6.03 | 36.88 | 49.55 | 54.00 | -4.45 | HORIZONTAL | Average |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



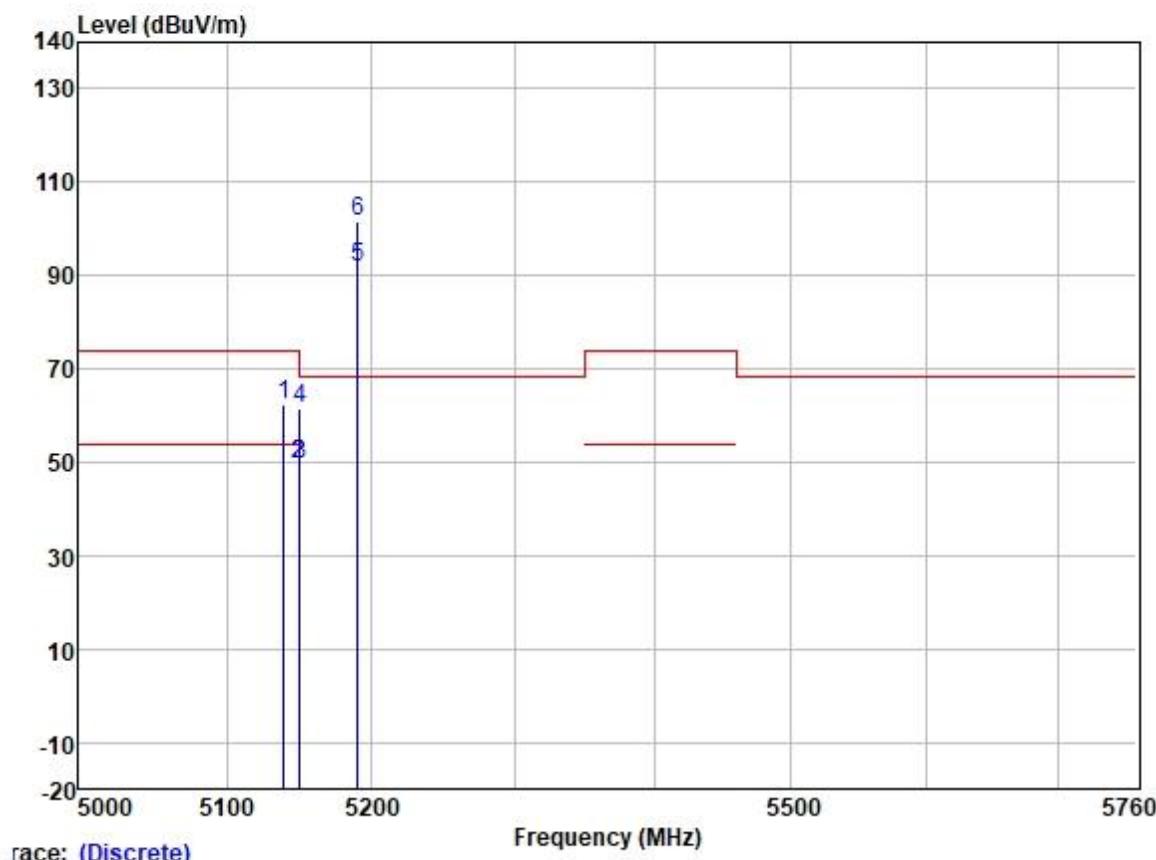
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | Loss Factor | Level | Limit | Line | Over | Pol/Phase | Remark |
|------|-------------|--------|-------|--------|--------|-------------|-------|--------|----------|-------|-----------|---------|
| | MHz | dBuV | Level | Factor | | | | | | | | |
| 1 | 5240.000 | 98.19 | 31.75 | 5.74 | 36.87 | 98.81 | ----- | ----- | ----- | ----- | ----- | Average |
| 2 * | 5240.000 | 108.11 | 31.75 | 5.74 | 36.87 | 108.73 | 68.20 | 40.53 | VERTICAL | 40.53 | VERTICAL | Peak |
| 3 | 5350.020 | 48.40 | 31.77 | 6.05 | 36.88 | 49.34 | 54.00 | -4.66 | VERTICAL | 54.00 | VERTICAL | Average |
| 4 | 5350.020 | 59.85 | 31.77 | 6.05 | 36.88 | 60.79 | 74.00 | -13.21 | VERTICAL | 74.00 | VERTICAL | Peak |
| 5 | 5350.362 | 48.52 | 31.77 | 6.05 | 36.88 | 49.46 | 54.00 | -4.54 | VERTICAL | 54.00 | VERTICAL | Average |
| 6 | 5350.929 | 61.14 | 31.77 | 6.05 | 36.88 | 62.08 | 74.00 | -11.92 | VERTICAL | 74.00 | VERTICAL | Peak |

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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

| ReadAntenna | Cable | Preamp | Limit | | Over | Pol/Phase | Remark | | |
|--------------|--------|--------|-------|-------|--------|-----------|--------|------------|---------|
| | | | Freq | Level | Factor | Loss | Factor | Level | Line |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | dB |
| 1 5138.814 | 61.66 | 31.72 | 5.63 | 36.86 | 62.15 | 74.00 | -11.85 | HORIZONTAL | Peak |
| 2 5149.461 | 49.24 | 31.72 | 5.62 | 36.86 | 49.72 | 54.00 | -4.28 | HORIZONTAL | Average |
| 3 5149.980 | 49.24 | 31.72 | 5.62 | 36.86 | 49.72 | 54.00 | -4.28 | HORIZONTAL | Average |
| 4 5149.980 | 60.84 | 31.72 | 5.62 | 36.86 | 61.32 | 74.00 | -12.68 | HORIZONTAL | Peak |
| 5 5190.000 | 91.37 | 31.73 | 5.60 | 36.87 | 91.83 | ----- | ----- | HORIZONTAL | Average |
| 6 * 5190.000 | 101.27 | 31.73 | 5.60 | 36.87 | 101.73 | 68.20 | 33.53 | HORIZONTAL | Peak |

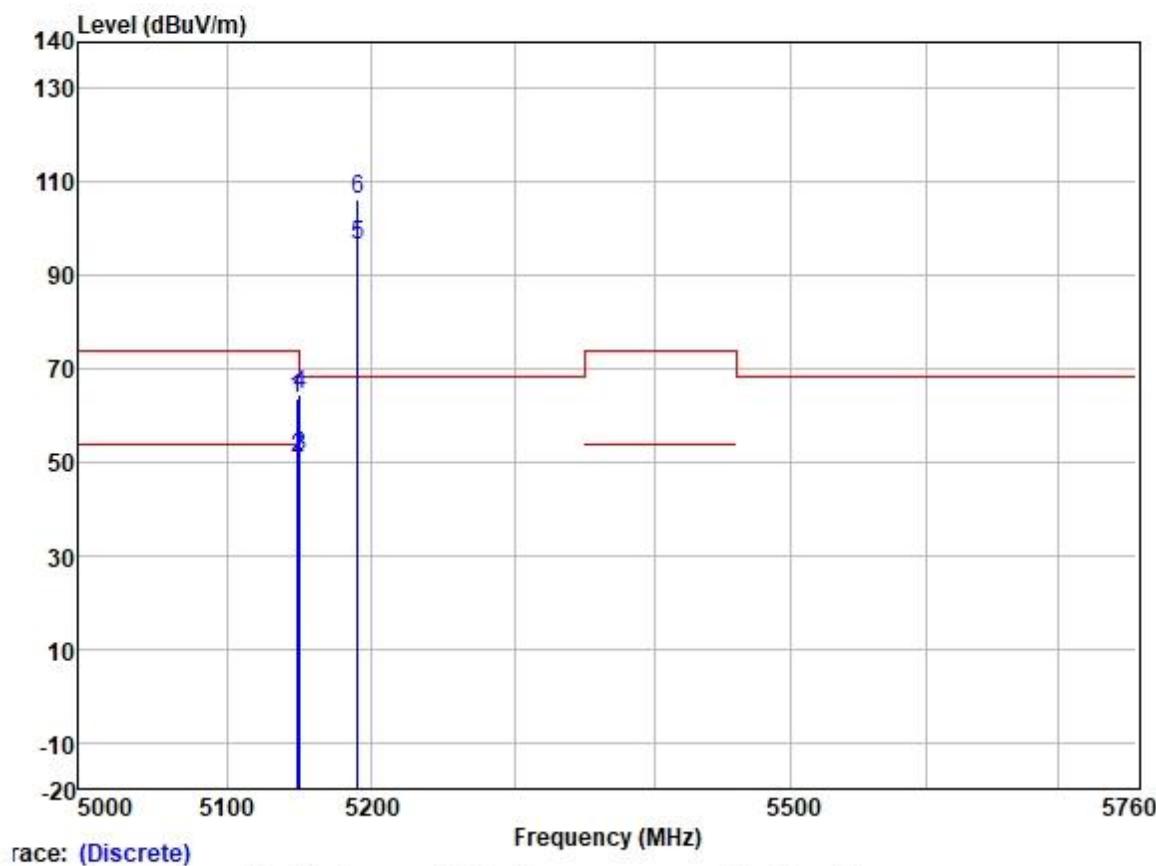
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Test Mode: 18; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



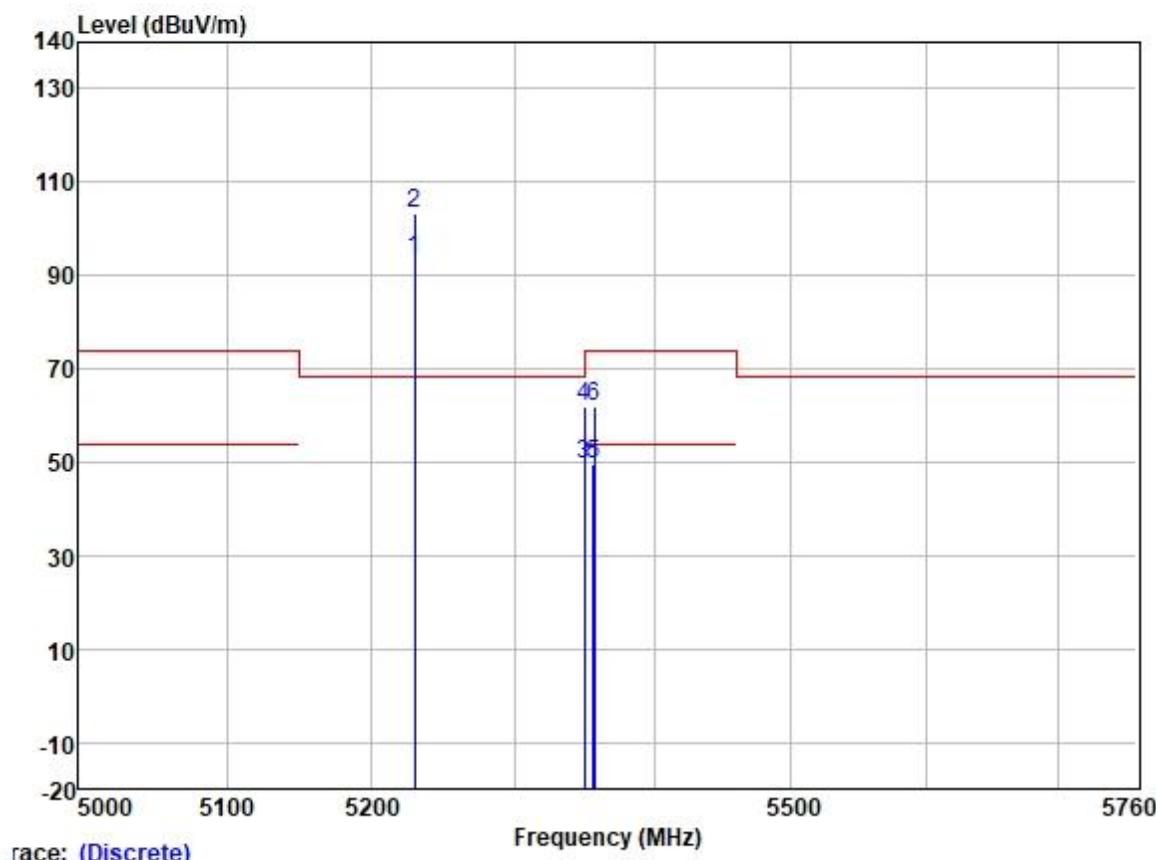
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|----------|------|-------|-----------|---------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | | | |
| MHz | dBuV | dB/m | dB | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB | dB |
| 1 5148.024 | 63.27 | 31.72 | 5.62 | 36.86 | 63.75 | 74.00 | -10.25 | VERTICAL | | | | Peak |
| 2 5148.982 | 50.53 | 31.72 | 5.62 | 36.86 | 51.01 | 54.00 | -2.99 | VERTICAL | | | | Average |
| 3 5149.980 | 50.83 | 31.72 | 5.62 | 36.86 | 51.31 | 54.00 | -2.69 | VERTICAL | | | | Average |
| 4 5149.980 | 64.17 | 31.72 | 5.62 | 36.86 | 64.65 | 74.00 | -9.35 | VERTICAL | | | | Peak |
| 5 5190.000 | 96.02 | 31.73 | 5.60 | 36.87 | 96.48 | ----- | ----- | VERTICAL | | | | Average |
| 6 * 5190.000 | 105.89 | 31.73 | 5.60 | 36.87 | 106.35 | 68.20 | 38.15 | VERTICAL | | | | Peak |

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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High

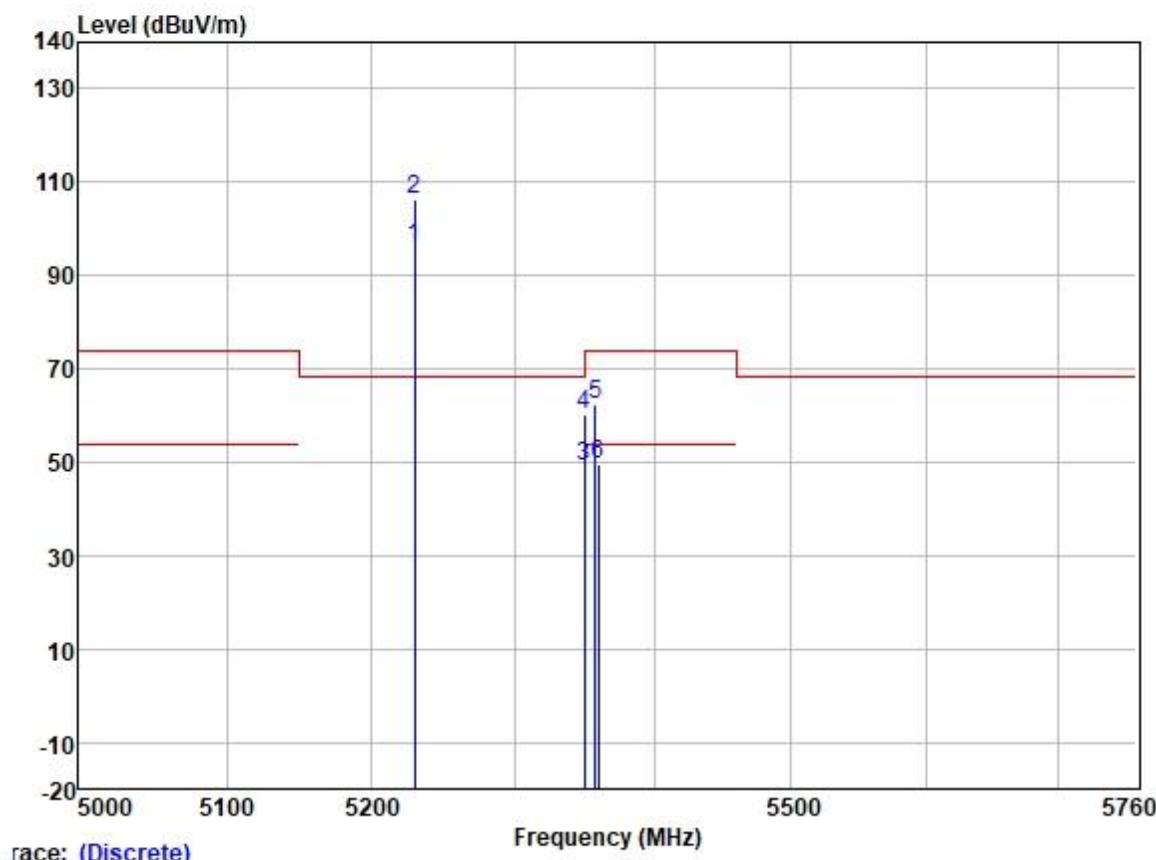


| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|------------|-----------|------------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5230.000 | 92.99 | 31.74 | 5.70 | 36.87 | 93.56 | ----- | ----- | HORIZONTAL | Average |
| 2 * | 5230.000 | 102.65 | 31.74 | 5.70 | 36.87 | 103.22 | 68.20 | 35.02 | HORIZONTAL | Peak |
| 3 | 5350.020 | 48.50 | 31.77 | 6.05 | 36.88 | 49.44 | 54.00 | -4.56 | HORIZONTAL | Average |
| 4 | 5350.020 | 60.79 | 31.77 | 6.05 | 36.88 | 61.73 | 74.00 | -12.27 | HORIZONTAL | Peak |
| 5 | 5356.103 | 48.57 | 31.78 | 6.03 | 36.88 | 49.50 | 54.00 | -4.50 | HORIZONTAL | Average |
| 6 | 5357.239 | 61.09 | 31.78 | 6.03 | 36.88 | 62.02 | 74.00 | -11.98 | HORIZONTAL | Peak |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|-------|--------|----------|----------|-----------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV | dBuV/m | dB | | | |
| 1 | 5230.000 | 95.53 | 31.74 | 5.70 | 36.87 | 96.10 | ----- | ----- | ----- | ----- | ----- | Average |
| 2 * | 5230.000 | 105.90 | 31.74 | 5.70 | 36.87 | 106.47 | 68.20 | 38.27 | VERTICAL | VERTICAL | VERTICAL | Peak |
| 3 | 5350.020 | 48.38 | 31.77 | 6.05 | 36.88 | 49.32 | 54.00 | -4.68 | VERTICAL | VERTICAL | VERTICAL | Average |
| 4 | 5350.020 | 59.27 | 31.77 | 6.05 | 36.88 | 60.21 | 74.00 | -13.79 | VERTICAL | VERTICAL | VERTICAL | Peak |
| 5 | 5357.727 | 61.56 | 31.78 | 6.03 | 36.88 | 62.49 | 74.00 | -11.51 | VERTICAL | VERTICAL | VERTICAL | Peak |
| 6 | 5359.513 | 48.66 | 31.78 | 6.03 | 36.88 | 49.59 | 54.00 | -4.41 | VERTICAL | VERTICAL | VERTICAL | Average |

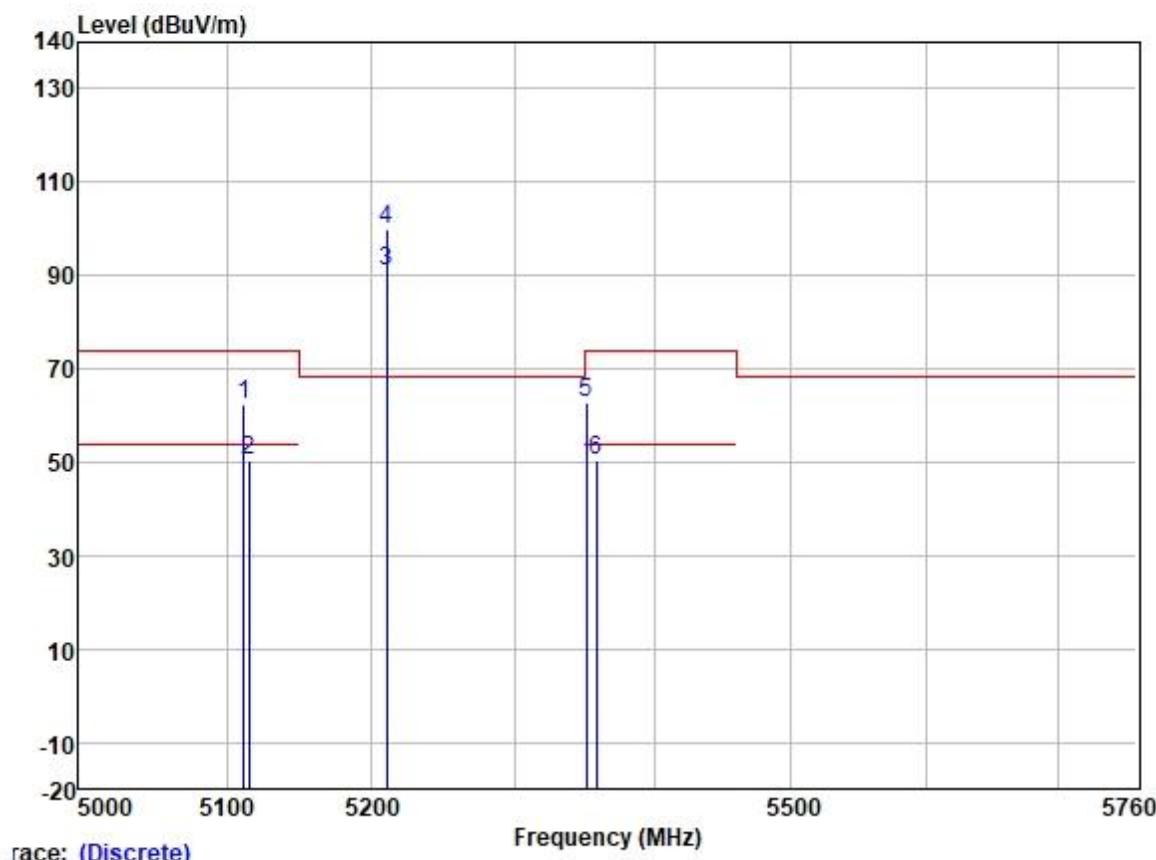
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



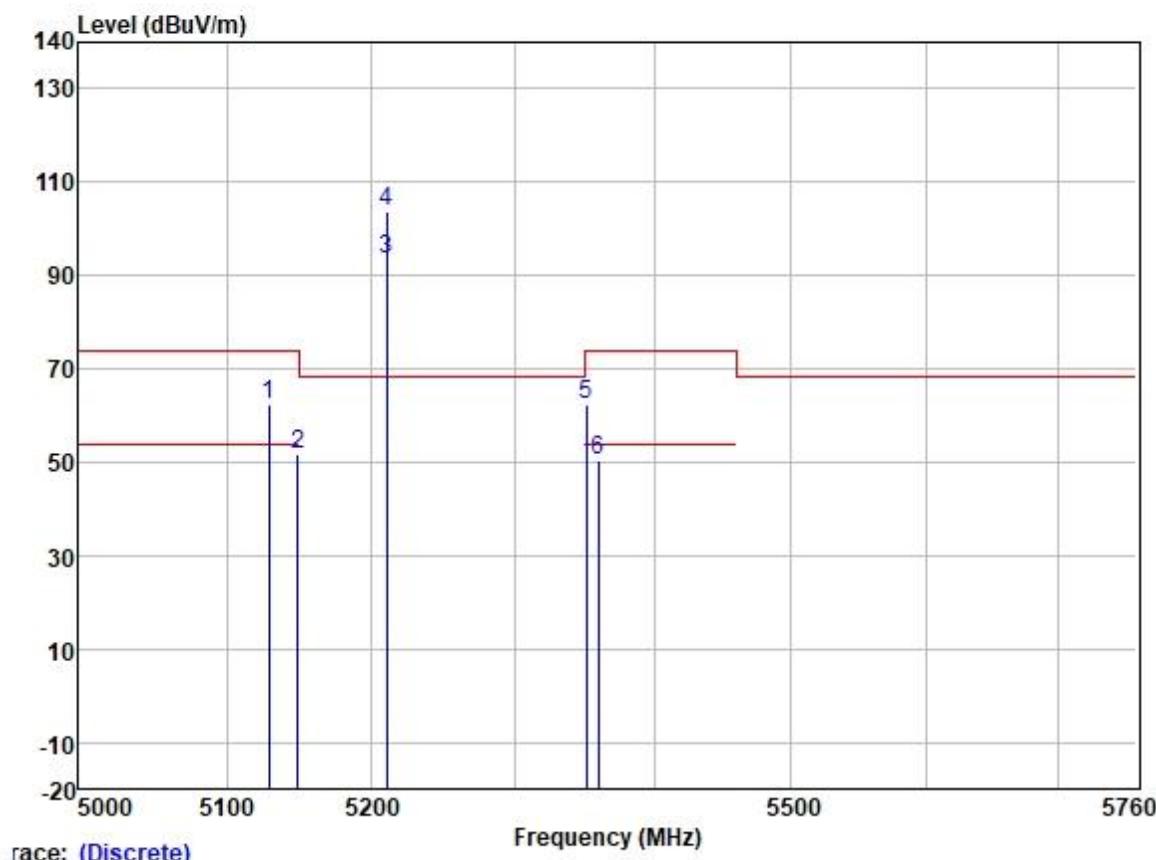
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|-------|--------|------|--------|--------|-------|--------|------------|---------|-----------|--------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV | dBuV/m | dB | | | |
| 1 | 5111.424 | 61.64 | 31.72 | 5.65 | 36.86 | 62.15 | 74.00 | -11.85 | HORIZONTAL | Peak | | |
| 2 | 5115.238 | 49.92 | 31.72 | 5.64 | 36.86 | 50.42 | 54.00 | -3.58 | HORIZONTAL | Average | | |
| 3 | 5210.000 | 90.44 | 31.74 | 5.65 | 36.87 | 90.96 | ----- | ----- | HORIZONTAL | Average | | |
| 4 * | 5210.000 | 99.54 | 31.74 | 5.65 | 36.87 | 100.06 | 68.20 | 31.86 | HORIZONTAL | Peak | | |
| 5 | 5350.946 | 61.96 | 31.77 | 6.05 | 36.88 | 62.90 | 74.00 | -11.10 | HORIZONTAL | Peak | | |
| 6 | 5358.667 | 49.31 | 31.78 | 6.03 | 36.88 | 50.24 | 54.00 | -3.76 | HORIZONTAL | Average | | |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



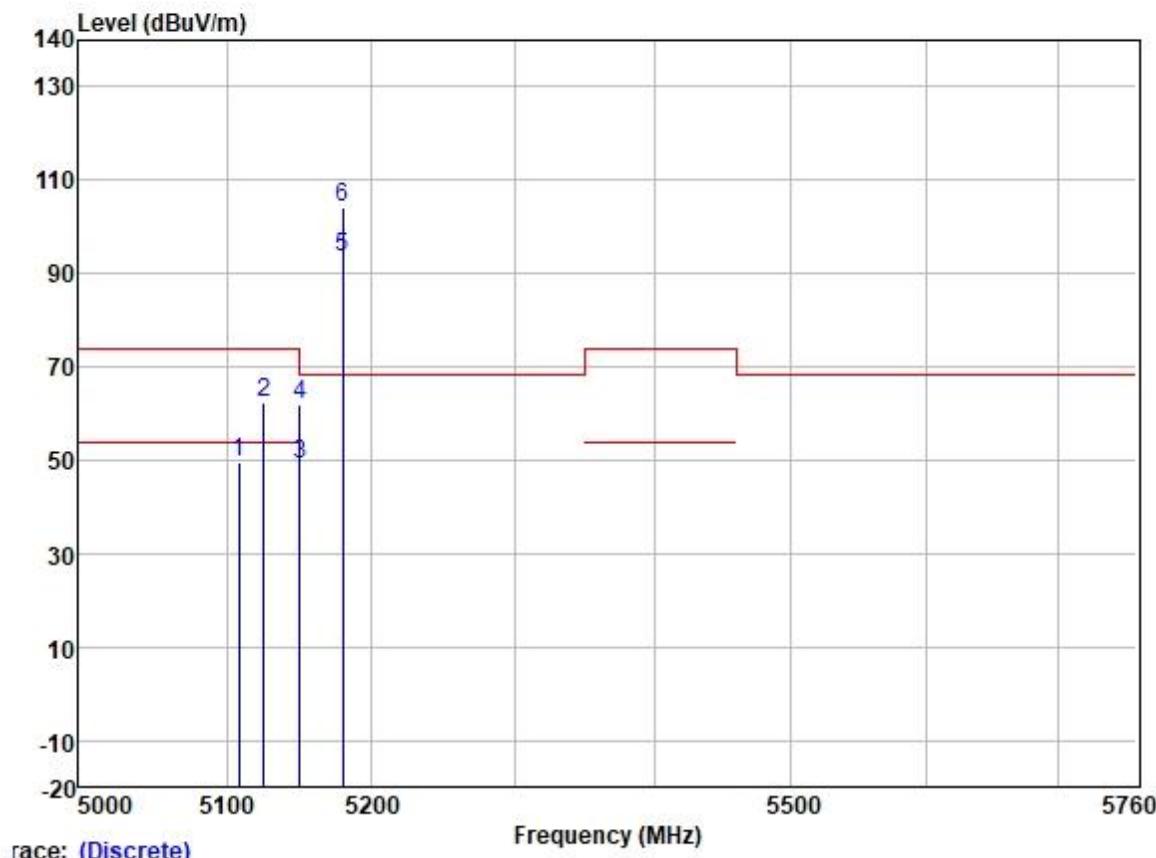
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|-----------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 5128.736 | 62.01 | 31.72 | 5.63 | 36.86 | 62.50 | 74.00 | -11.50 | VERTICAL | Peak | |
| 2 5148.667 | 51.12 | 31.72 | 5.62 | 36.86 | 51.60 | 54.00 | -2.40 | VERTICAL | Average | |
| 3 5210.000 | 92.88 | 31.74 | 5.65 | 36.87 | 93.40 | ----- | ----- | VERTICAL | Average | |
| 4 * 5210.000 | 103.03 | 31.74 | 5.65 | 36.87 | 103.55 | 68.20 | 35.35 | VERTICAL | Peak | |
| 5 5351.212 | 61.29 | 31.77 | 6.05 | 36.88 | 62.23 | 74.00 | -11.77 | VERTICAL | Peak | |
| 6 5359.467 | 49.34 | 31.78 | 6.03 | 36.88 | 50.27 | 54.00 | -3.73 | VERTICAL | Average | |

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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



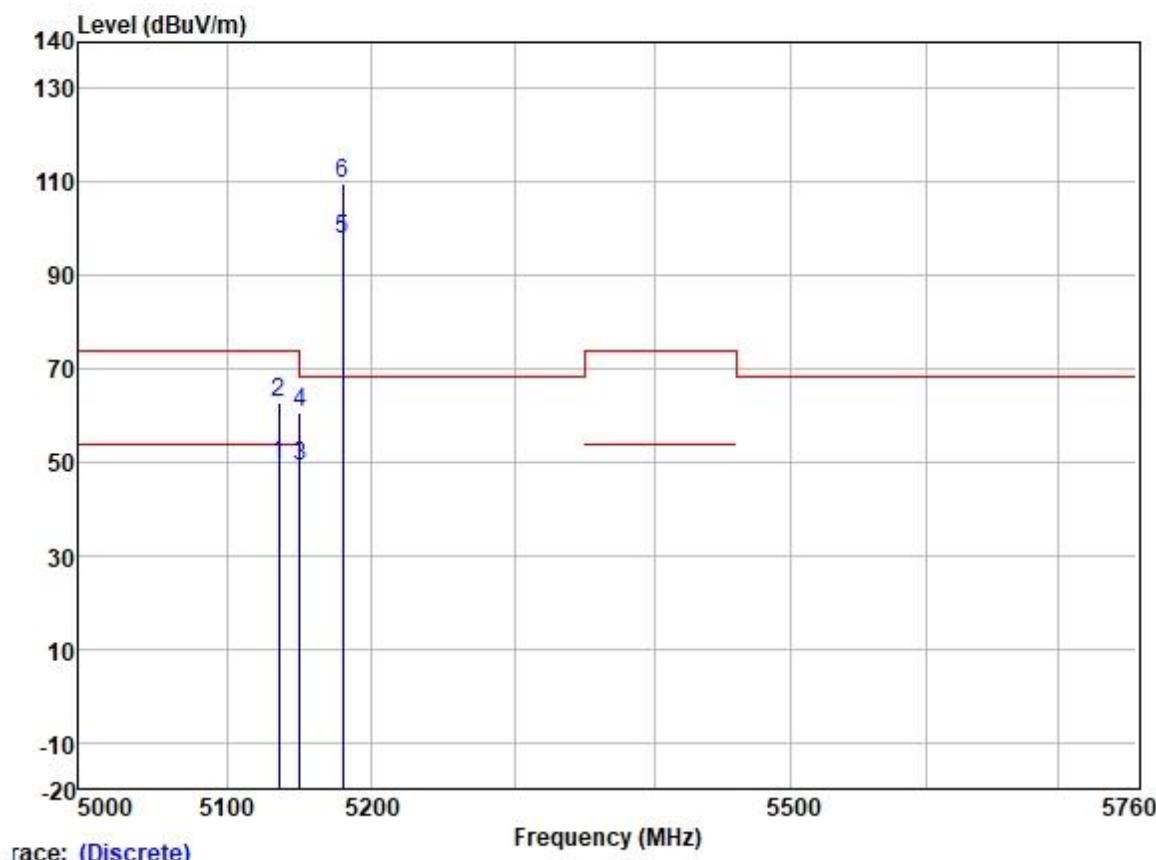
Mode: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dB | dBuV/m | dBuV/m | dB | dB | dB |
| 1 5108.127 | 48.95 | 31.72 | 5.65 | 36.86 | 49.46 | 54.00 | -4.54 | HORIZONTAL | Average | |
| 2 5125.614 | 61.86 | 31.72 | 5.64 | 36.86 | 62.36 | 74.00 | -11.64 | HORIZONTAL | Peak | |
| 3 5149.980 | 48.62 | 31.72 | 5.62 | 36.86 | 49.10 | 54.00 | -4.90 | HORIZONTAL | Average | |
| 4 5149.980 | 61.32 | 31.72 | 5.62 | 36.86 | 61.80 | 74.00 | -12.20 | HORIZONTAL | Peak | |
| 5 5180.000 | 93.17 | 31.73 | 5.61 | 36.87 | 93.64 | ----- | ----- | HORIZONTAL | Average | |
| 6 * 5180.000 | 103.67 | 31.73 | 5.61 | 36.87 | 104.14 | 68.20 | 35.94 | HORIZONTAL | Peak | |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



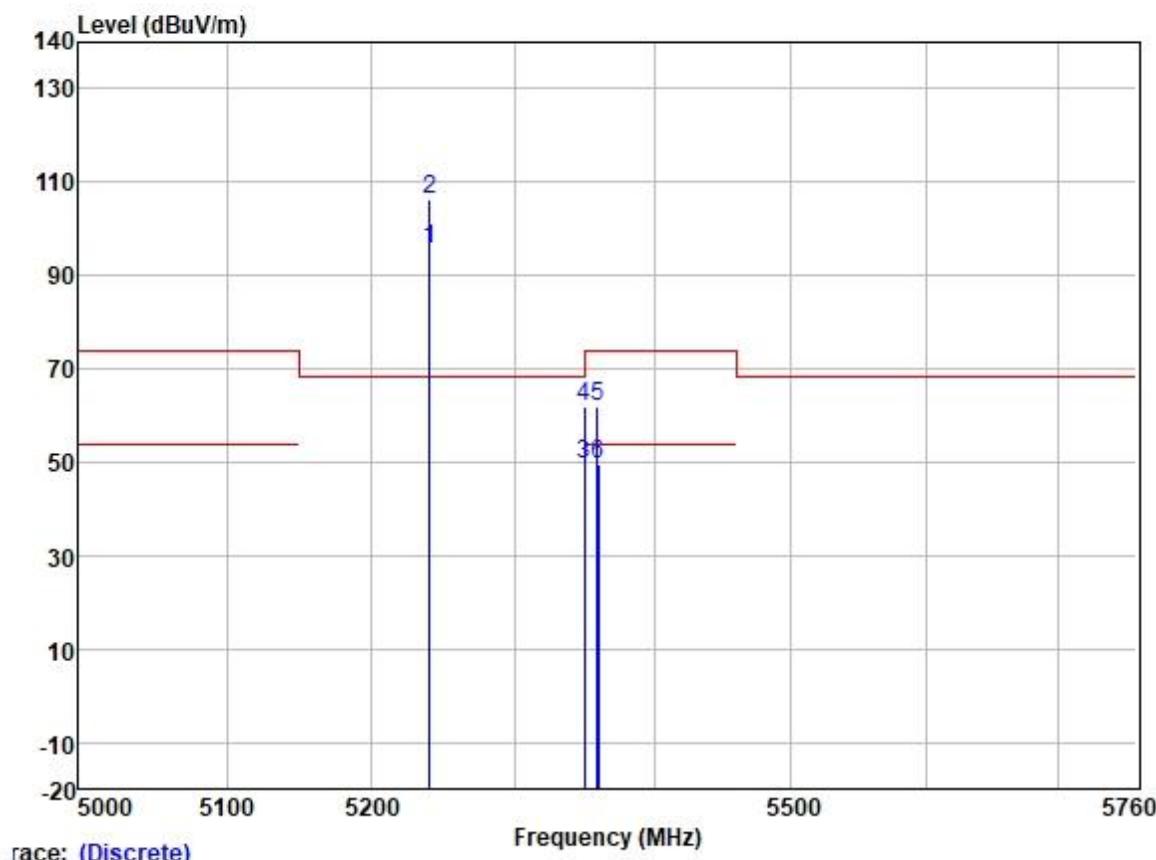
Mode: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|-----------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5135.876 | 48.98 | 31.72 | 5.63 | 36.86 | 49.47 | 54.00 | -4.53 | VERTICAL | Average |
| 2 | 5135.876 | 62.32 | 31.72 | 5.63 | 36.86 | 62.81 | 74.00 | -11.19 | VERTICAL | Peak |
| 3 | 5149.980 | 48.77 | 31.72 | 5.62 | 36.86 | 49.25 | 54.00 | -4.75 | VERTICAL | Average |
| 4 | 5149.980 | 60.31 | 31.72 | 5.62 | 36.86 | 60.79 | 74.00 | -13.21 | VERTICAL | Peak |
| 5 | 5180.000 | 97.46 | 31.73 | 5.61 | 36.87 | 97.93 | ----- | ----- | VERTICAL | Average |
| 6 * | 5180.000 | 109.03 | 31.73 | 5.61 | 36.87 | 109.50 | 68.20 | 41.30 | VERTICAL | Peak |

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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp Loss Factor | Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|-----------------------|--------|---------------|---------------|------------|---------|
| | MHz | dBuV | Factor | dB | | | | | | |
| 1 | 5240.000 | 95.10 | 31.75 | 5.74 | 36.87 | 95.72 | ----- | ----- | HORIZONTAL | Average |
| 2 * | 5240.000 | 105.50 | 31.75 | 5.74 | 36.87 | 106.12 | 68.20 | 37.92 | HORIZONTAL | Peak |
| 3 | 5350.020 | 48.54 | 31.77 | 6.05 | 36.88 | 49.48 | 54.00 | -4.52 | HORIZONTAL | Average |
| 4 | 5350.020 | 61.03 | 31.77 | 6.05 | 36.88 | 61.97 | 74.00 | -12.03 | HORIZONTAL | Peak |
| 5 | 5359.291 | 60.87 | 31.78 | 6.03 | 36.88 | 61.80 | 74.00 | -12.20 | HORIZONTAL | Peak |
| 6 | 5359.858 | 48.63 | 31.78 | 6.03 | 36.88 | 49.56 | 54.00 | -4.44 | HORIZONTAL | Average |

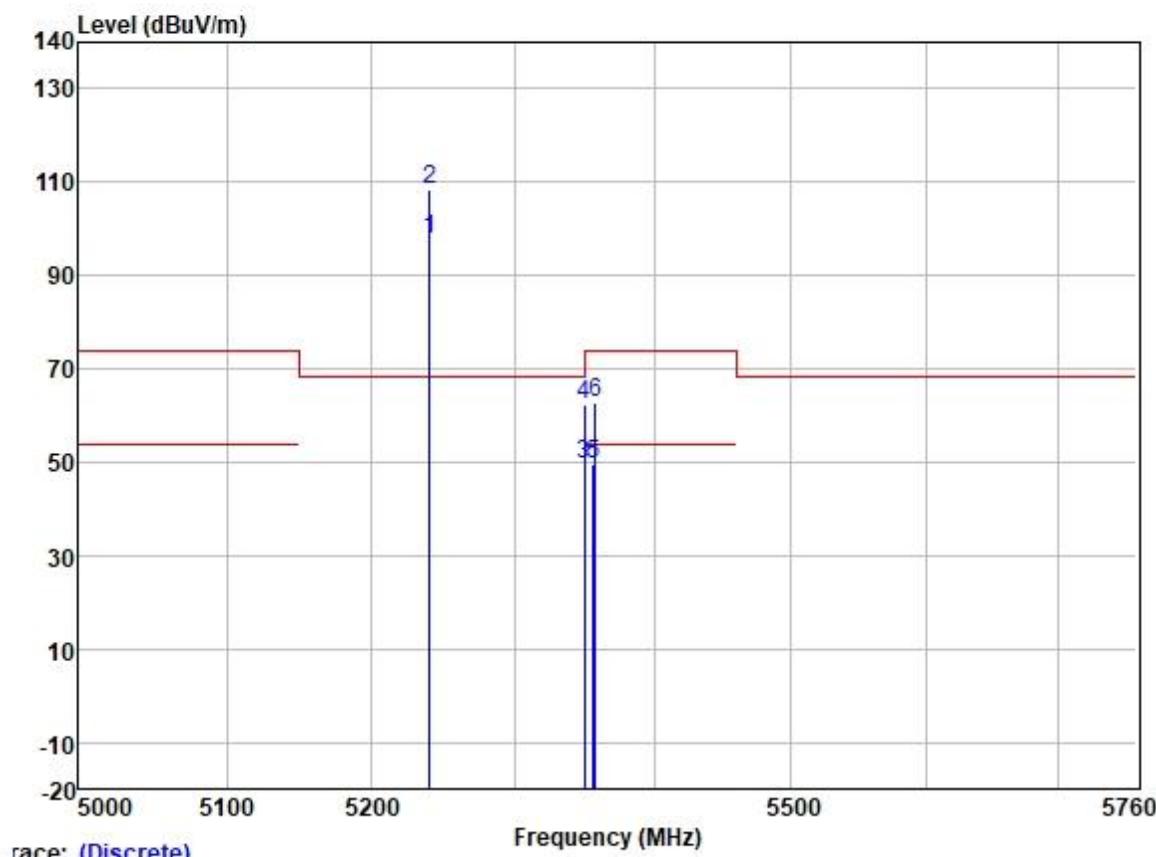
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Test Mode: 18; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



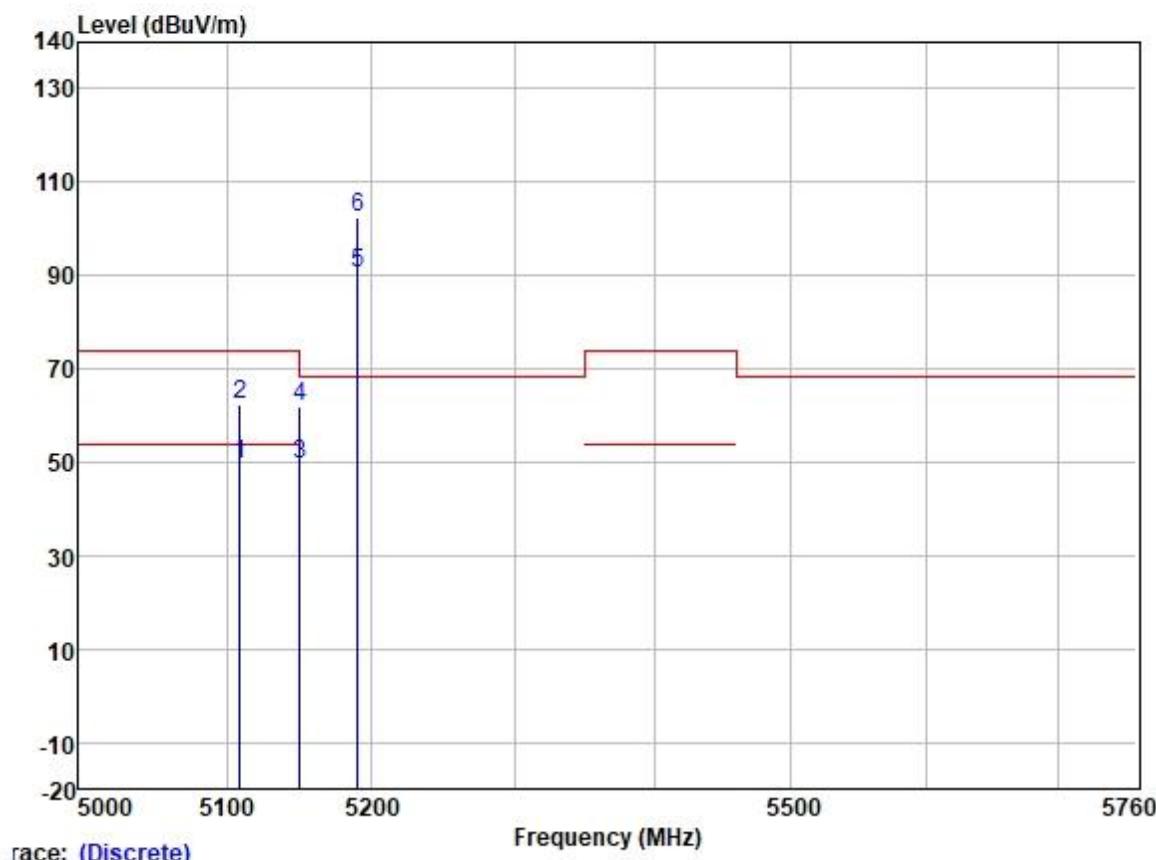
Mode: (Discrete)

| ReadAntenna | Cable | Preamp | Limit | Over | Limit | | Pol/Phase | Remark |
|-------------|----------|--------|-------|------|--------|--------|-----------|------------------------|
| | | | | | Freq | Level | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 | 5240.000 | 97.08 | 31.75 | 5.74 | 36.87 | 97.70 | ----- | ----- VERTICAL Average |
| 2 * | 5240.000 | 107.92 | 31.75 | 5.74 | 36.87 | 108.54 | 68.20 | 40.34 VERTICAL Peak |
| 3 | 5350.020 | 48.40 | 31.77 | 6.05 | 36.88 | 49.34 | 54.00 | -4.66 VERTICAL Average |
| 4 | 5350.020 | 61.59 | 31.77 | 6.05 | 36.88 | 62.53 | 74.00 | -11.47 VERTICAL Peak |
| 5 | 5356.313 | 48.74 | 31.78 | 6.03 | 36.88 | 49.67 | 54.00 | -4.33 VERTICAL Average |
| 6 | 5357.589 | 61.95 | 31.78 | 6.03 | 36.88 | 62.88 | 74.00 | -11.12 VERTICAL Peak |

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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|------------|---------|-----------|--------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | | |
| 1 | 5109.141 | 48.95 | 31.72 | 5.65 | 36.86 | 49.46 | 54.00 | -4.54 | HORIZONTAL | Average | | |
| 2 | 5109.141 | 61.73 | 31.72 | 5.65 | 36.86 | 62.24 | 74.00 | -11.76 | HORIZONTAL | Peak | | |
| 3 | 5149.980 | 48.92 | 31.72 | 5.62 | 36.86 | 49.40 | 54.00 | -4.60 | HORIZONTAL | Average | | |
| 4 | 5149.980 | 61.35 | 31.72 | 5.62 | 36.86 | 61.83 | 74.00 | -12.17 | HORIZONTAL | Peak | | |
| 5 | 5190.000 | 90.09 | 31.73 | 5.60 | 36.87 | 90.55 | ----- | ----- | HORIZONTAL | Average | | |
| 6 * | 5190.000 | 102.00 | 31.73 | 5.60 | 36.87 | 102.46 | 68.20 | 34.26 | HORIZONTAL | Peak | | |

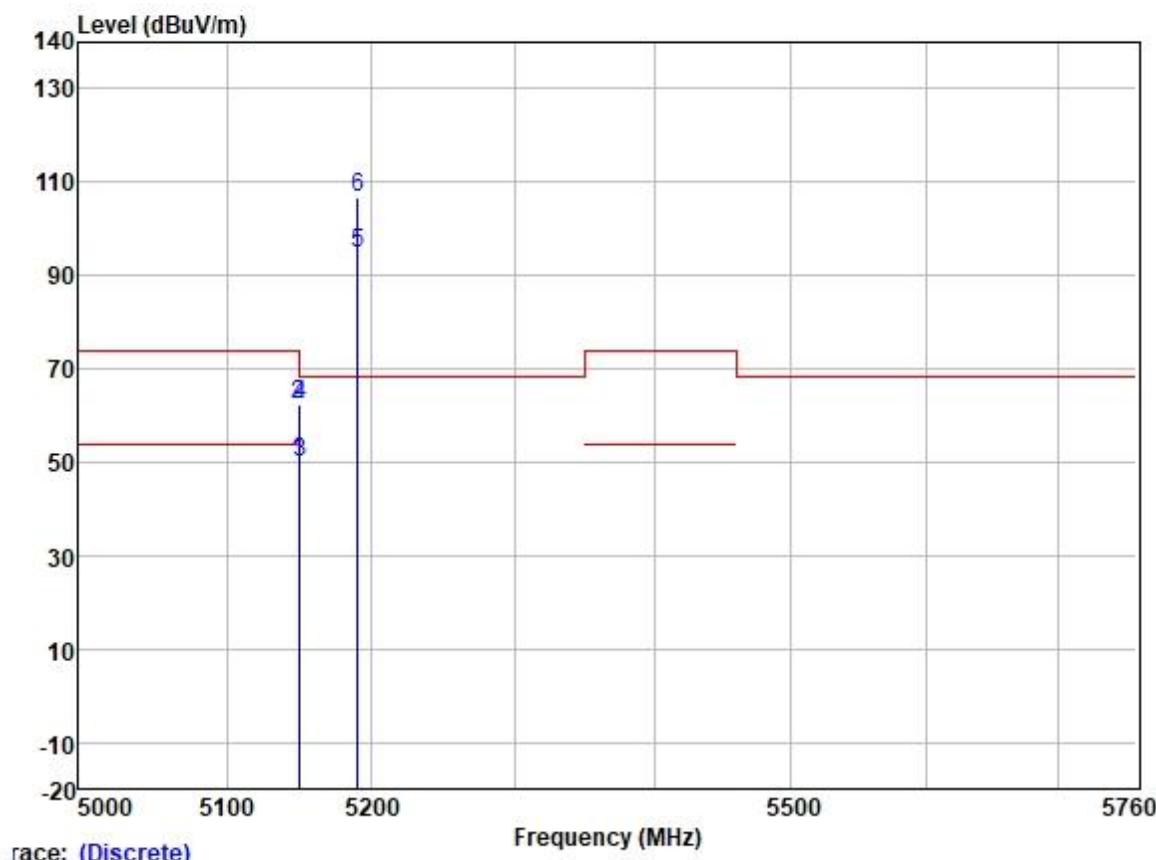
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Test Mode: 18; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



Mode: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|-----------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 5149.222 | 49.51 | 31.72 | 5.62 | 36.86 | 49.99 | 54.00 | -4.01 | VERTICAL | Average | |
| 2 5149.222 | 61.88 | 31.72 | 5.62 | 36.86 | 62.36 | 74.00 | -11.64 | VERTICAL | Peak | |
| 3 5149.980 | 49.48 | 31.72 | 5.62 | 36.86 | 49.96 | 54.00 | -4.04 | VERTICAL | Average | |
| 4 5149.980 | 61.82 | 31.72 | 5.62 | 36.86 | 62.30 | 74.00 | -11.70 | VERTICAL | Peak | |
| 5 5190.000 | 94.10 | 31.73 | 5.60 | 36.87 | 94.56 | ----- | ----- | VERTICAL | Average | |
| 6 * 5190.000 | 106.10 | 31.73 | 5.60 | 36.87 | 106.56 | 68.20 | 38.36 | VERTICAL | Peak | |

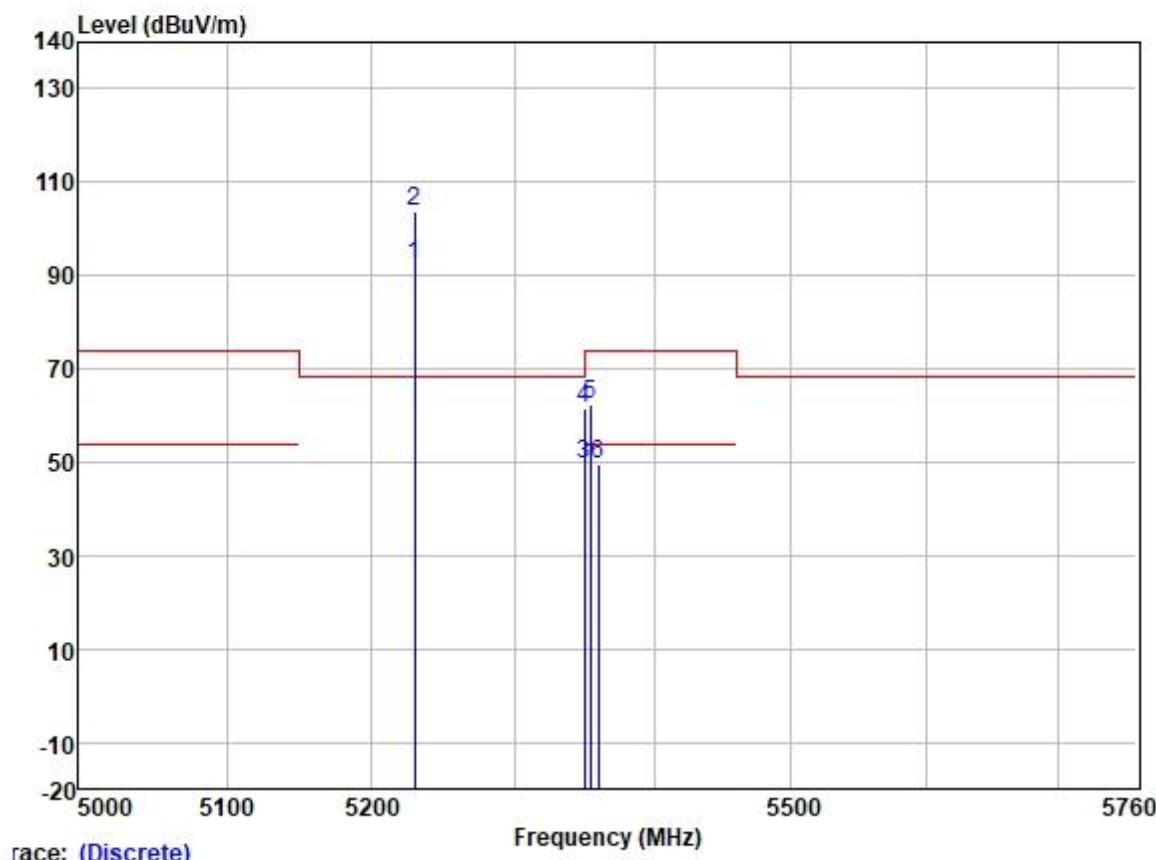
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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

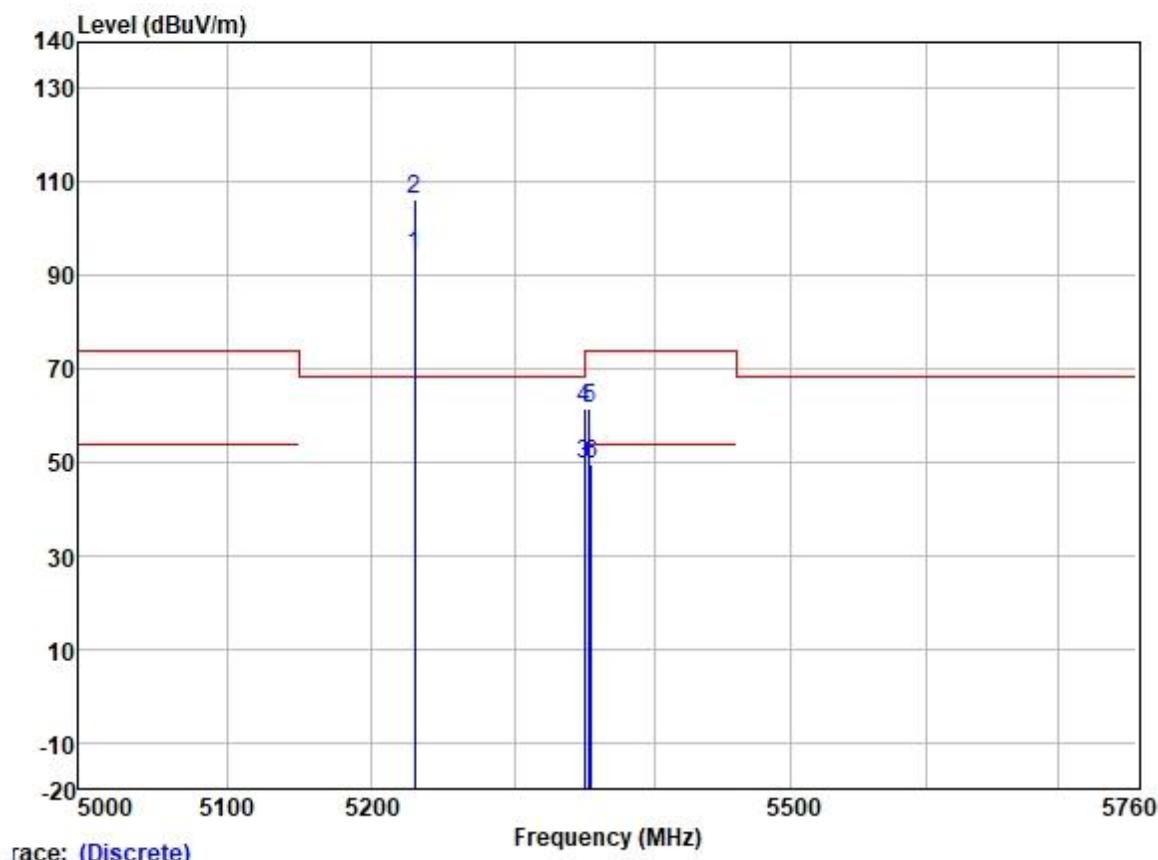


| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|-------|-------|-----------|--------------------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | | |
| 1 | 5230.000 | 91.85 | 31.74 | 5.70 | 36.87 | 92.42 | ----- | ----- | ----- | ----- | ----- | HORIZONTAL Average |
| 2 * | 5230.000 | 103.13 | 31.74 | 5.70 | 36.87 | 103.70 | 68.20 | 35.50 | ----- | ----- | ----- | HORIZONTAL Peak |
| 3 | 5350.020 | 48.41 | 31.77 | 6.05 | 36.88 | 49.35 | 54.00 | -4.65 | ----- | ----- | ----- | HORIZONTAL Average |
| 4 | 5350.020 | 60.67 | 31.77 | 6.05 | 36.88 | 61.61 | 74.00 | -12.39 | ----- | ----- | ----- | HORIZONTAL Peak |
| 5 | 5354.155 | 61.28 | 31.78 | 6.03 | 36.88 | 62.21 | 74.00 | -11.79 | ----- | ----- | ----- | HORIZONTAL Peak |
| 6 | 5359.675 | 48.55 | 31.78 | 6.03 | 36.88 | 49.48 | 54.00 | -4.52 | ----- | ----- | ----- | HORIZONTAL Average |

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Test Mode: 18; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

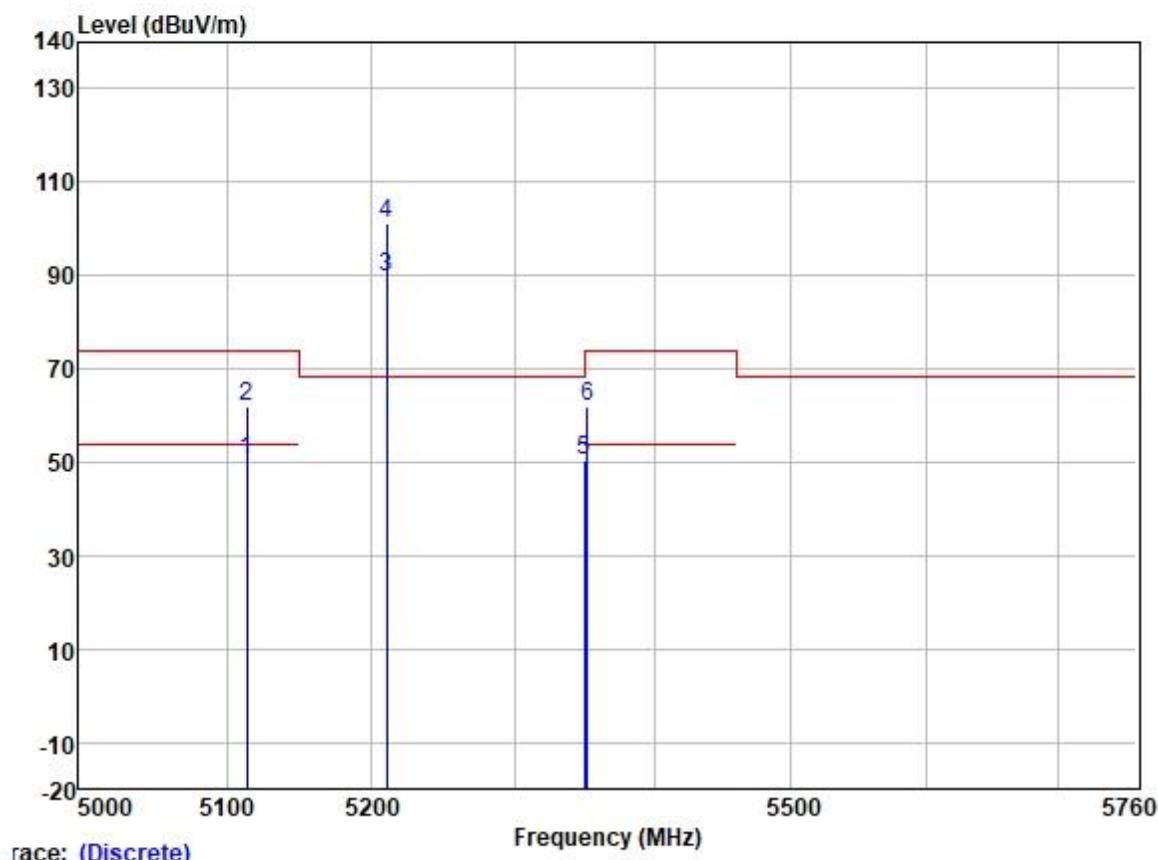


| Race: (Discrete) | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|------------------|-------------|--------|--------|------|--------|--------|--------|--------|-----------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5230.000 | 93.78 | 31.74 | 5.70 | 36.87 | 94.35 | ----- | ----- | VERTICAL | Average |
| 2 * | 5230.000 | 105.82 | 31.74 | 5.70 | 36.87 | 106.39 | 68.20 | 38.19 | VERTICAL | Peak |
| 3 | 5350.020 | 48.43 | 31.77 | 6.05 | 36.88 | 49.37 | 54.00 | -4.63 | VERTICAL | Average |
| 4 | 5350.020 | 60.51 | 31.77 | 6.05 | 36.88 | 61.45 | 74.00 | -12.55 | VERTICAL | Peak |
| 5 | 5353.344 | 60.51 | 31.77 | 6.05 | 36.88 | 61.45 | 74.00 | -12.55 | VERTICAL | Peak |
| 6 | 5354.805 | 48.62 | 31.78 | 6.03 | 36.88 | 49.55 | 54.00 | -4.45 | VERTICAL | Average |

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Test Mode: 18; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | Line | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 5113.458 | 49.83 | 31.72 | 5.64 | 36.86 | 50.33 | 54.00 | -3.67 | HORIZONTAL | Average | |
| 2 5113.458 | 61.30 | 31.72 | 5.64 | 36.86 | 61.80 | 74.00 | -12.20 | HORIZONTAL | Peak | |
| 3 5210.000 | 89.13 | 31.74 | 5.65 | 36.87 | 89.65 | ----- | ----- | HORIZONTAL | Average | |
| 4 * 5210.000 | 100.83 | 31.74 | 5.65 | 36.87 | 101.35 | 68.20 | 33.15 | HORIZONTAL | Peak | |
| 5 5349.882 | 49.47 | 31.77 | 6.05 | 36.88 | 50.41 | ----- | ----- | HORIZONTAL | Average | |
| 6 5352.010 | 61.18 | 31.77 | 6.05 | 36.88 | 62.12 | 74.00 | -11.88 | HORIZONTAL | Peak | |

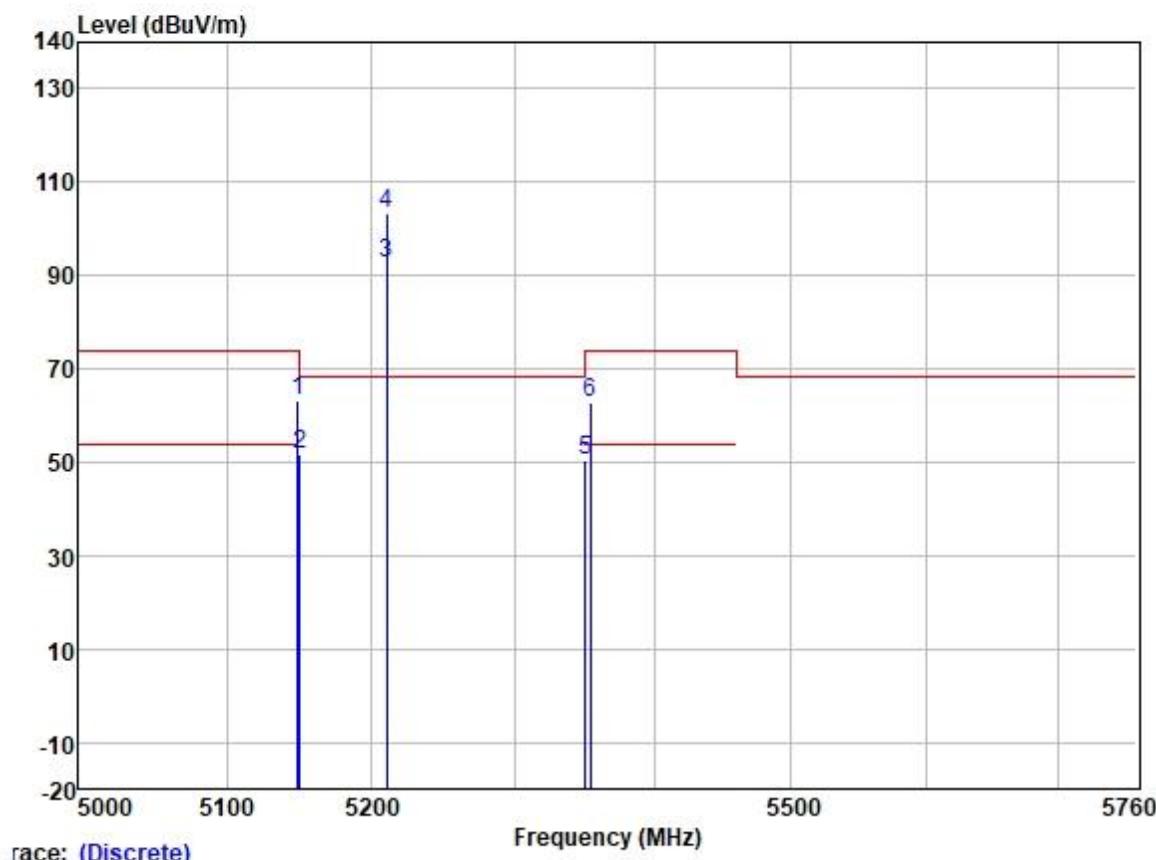
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Test Mode: 18; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle

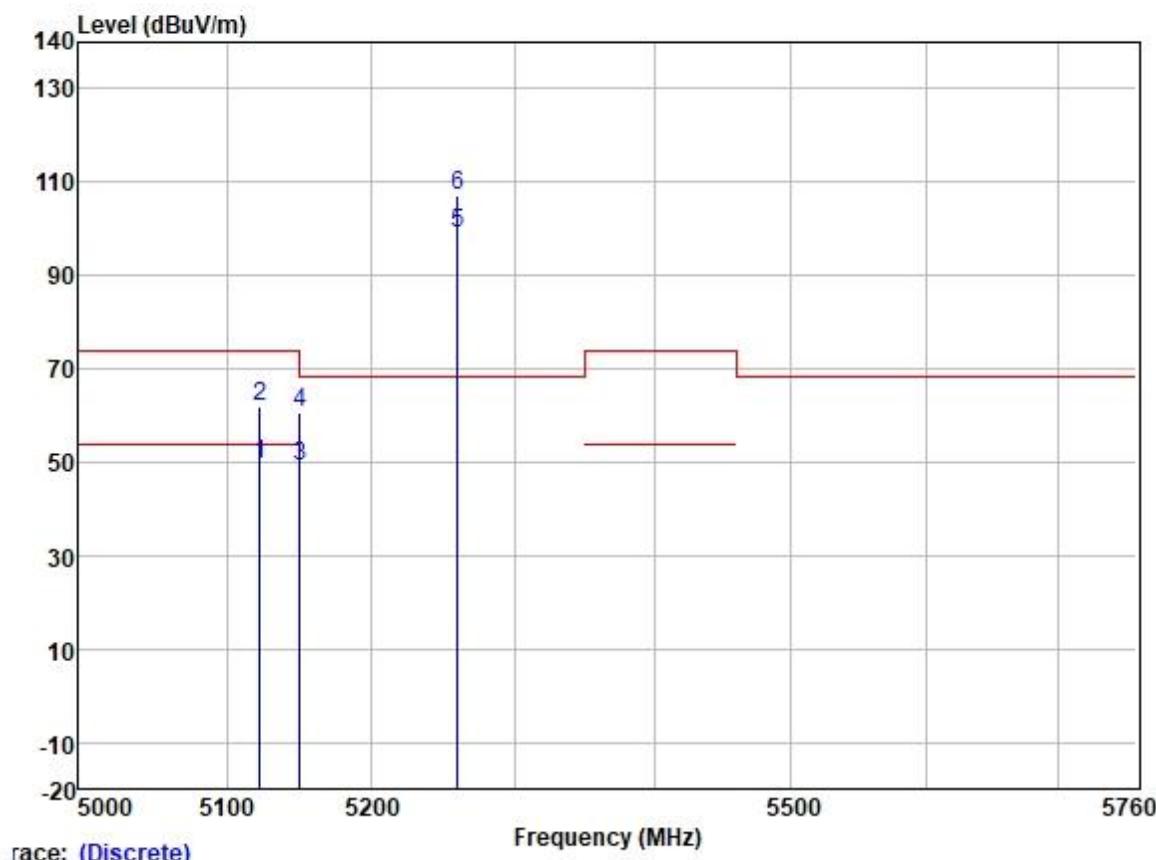


| Point | Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|-------|----------|-------------|--------|-------|--------|--------|--------|------------|-----------|-----------|--------|
| | | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 | 5148.410 | 62.51 | 31.72 | 5.62 | 36.86 | 62.99 | 74.00 | -11.01 | VERTICAL | Peak | |
| 2 | 5149.947 | 51.03 | 31.72 | 5.62 | 36.86 | 51.51 | 54.00 | -2.49 | VERTICAL | Average | |
| 3 | 5210.000 | 92.27 | 31.74 | 5.65 | 36.87 | 92.79 | ----- | ----- | VERTICAL | Average | |
| 4 * | 5210.000 | 102.93 | 31.74 | 5.65 | 36.87 | 103.45 | 68.20 | 35.25 | VERTICAL | Peak | |
| 5 | 5350.680 | 49.35 | 31.77 | 6.05 | 36.88 | 50.29 | 54.00 | -3.71 | VERTICAL | Average | |
| 6 | 5353.874 | 61.86 | 31.77 | 6.05 | 36.88 | 62.80 | 74.00 | -11.20 | VERTICAL | Peak | |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|------------|---------|-----------|--------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | | |
| 1 | 5122.516 | 48.90 | 31.72 | 5.64 | 36.86 | 49.40 | 54.00 | -4.60 | HORIZONTAL | Average | | |
| 2 | 5122.516 | 61.46 | 31.72 | 5.64 | 36.86 | 61.96 | 74.00 | -12.04 | HORIZONTAL | Peak | | |
| 3 | 5149.980 | 48.59 | 31.72 | 5.62 | 36.86 | 49.07 | 54.00 | -4.93 | HORIZONTAL | Average | | |
| 4 | 5149.980 | 60.22 | 31.72 | 5.62 | 36.86 | 60.70 | 74.00 | -13.30 | HORIZONTAL | Peak | | |
| 5 | 5260.000 | 98.23 | 31.75 | 5.77 | 36.87 | 98.88 | ----- | ----- | HORIZONTAL | Average | | |
| 6 * | 5260.000 | 106.63 | 31.75 | 5.77 | 36.87 | 107.28 | 68.20 | 39.08 | HORIZONTAL | Peak | | |

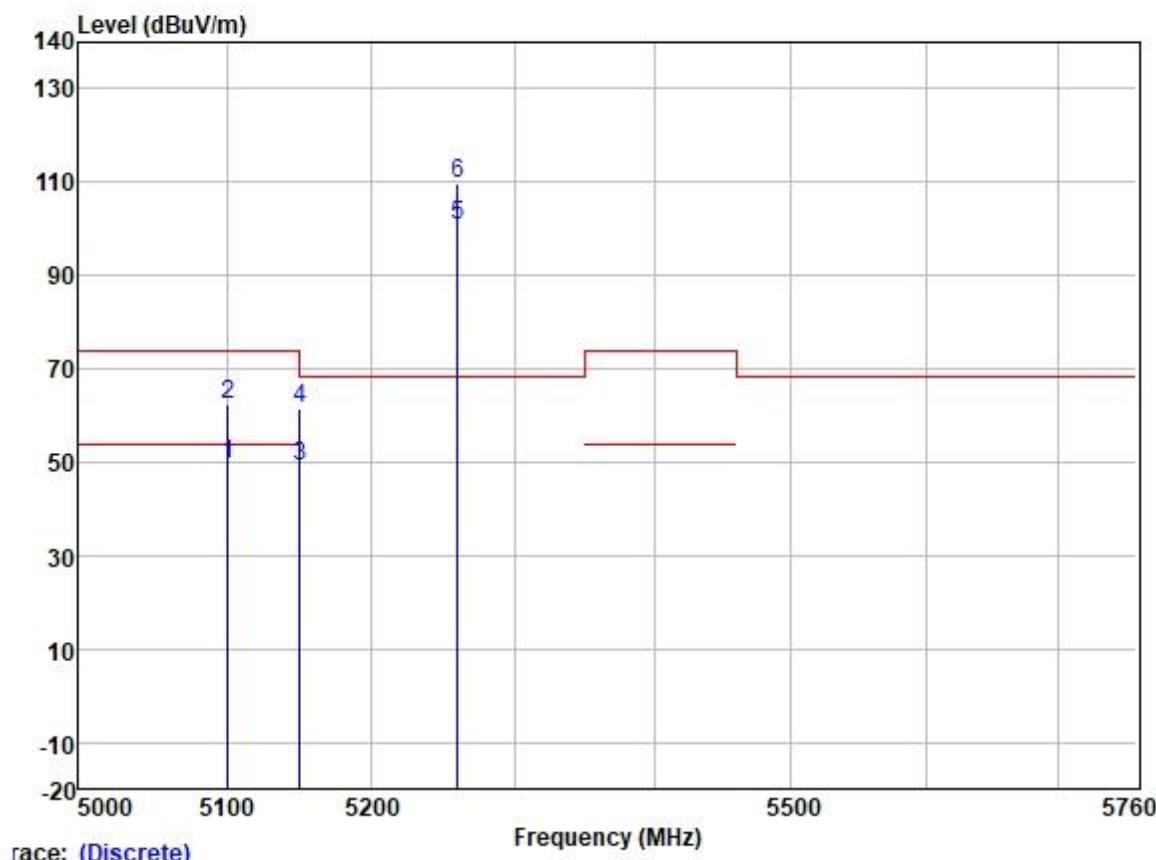
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Test Mode: 20; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



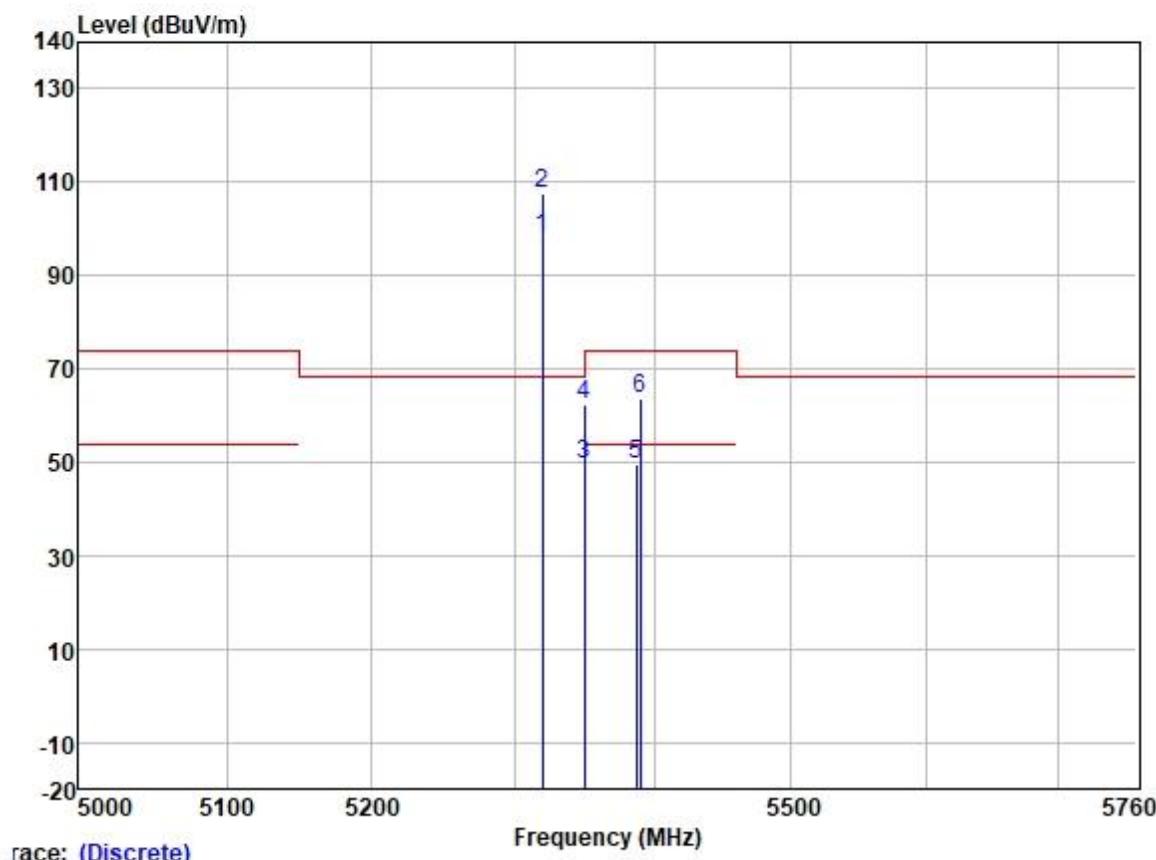
Mode: (Discrete)

| ReadAntenna | Cable | Preamp | Limit | | Over | Pol/Phase | Remark | |
|--------------|--------|--------|-------|-------|--------|-----------|--------|------------------|
| | | | Freq | Level | Factor | Loss | Factor | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | |
| 1 5100.708 | 48.92 | 31.72 | 5.65 | 36.86 | 49.43 | 54.00 | -4.57 | VERTICAL Average |
| 2 5100.708 | 61.66 | 31.72 | 5.65 | 36.86 | 62.17 | 74.00 | -11.83 | VERTICAL Peak |
| 3 5149.980 | 48.59 | 31.72 | 5.62 | 36.86 | 49.07 | 54.00 | -4.93 | VERTICAL Average |
| 4 5149.980 | 61.02 | 31.72 | 5.62 | 36.86 | 61.50 | 74.00 | -12.50 | VERTICAL Peak |
| 5 5260.000 | 99.92 | 31.75 | 5.77 | 36.87 | 100.57 | ----- | ----- | VERTICAL Average |
| 6 * 5260.000 | 108.90 | 31.75 | 5.77 | 36.87 | 109.55 | 68.20 | 41.35 | VERTICAL Peak |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:High



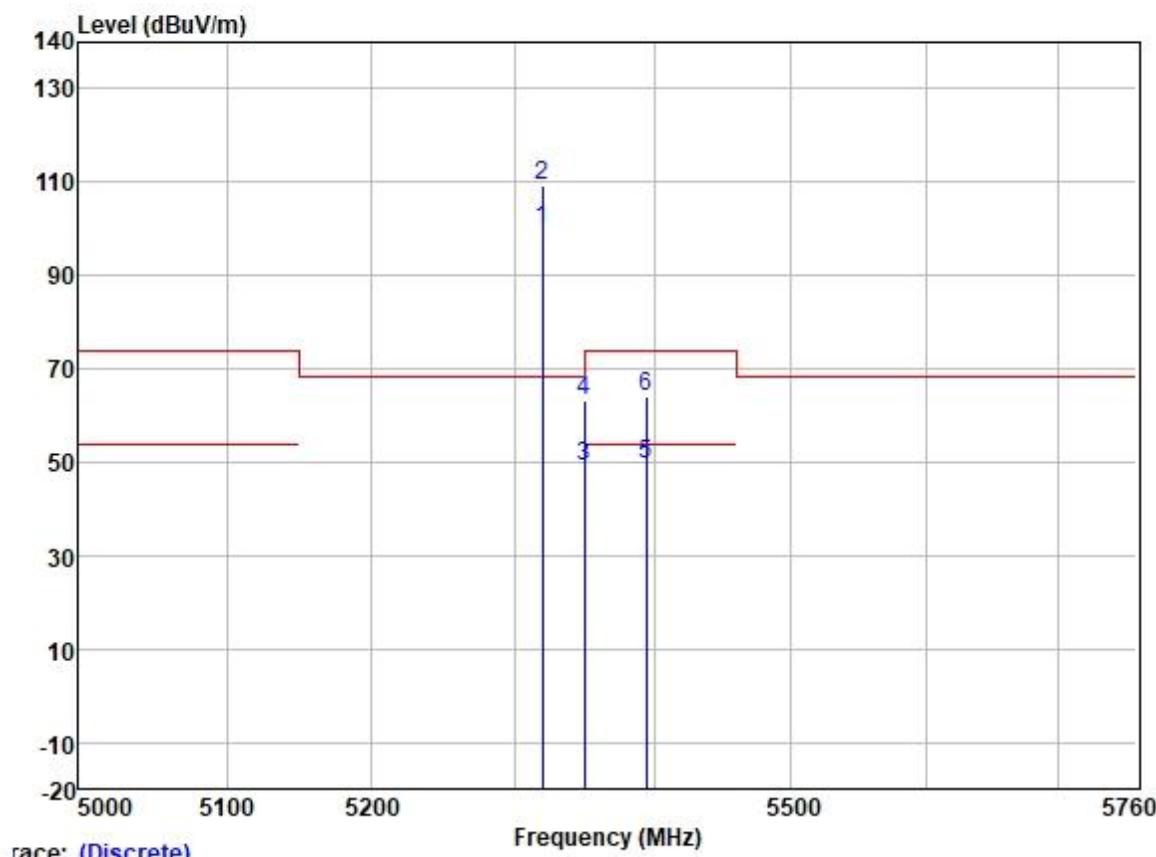
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|-------|-------|-----------|--------------------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | | |
| 1 | 5320.000 | 97.12 | 31.77 | 6.08 | 36.88 | 98.09 | ----- | ----- | ----- | ----- | ----- | HORIZONTAL Average |
| 2 * | 5320.000 | 106.44 | 31.77 | 6.08 | 36.88 | 107.41 | 68.20 | 39.21 | ----- | ----- | ----- | HORIZONTAL Peak |
| 3 | 5350.020 | 48.46 | 31.77 | 6.05 | 36.88 | 49.40 | 54.00 | -4.60 | ----- | ----- | ----- | HORIZONTAL Average |
| 4 | 5350.020 | 61.27 | 31.77 | 6.05 | 36.88 | 62.21 | 74.00 | -11.79 | ----- | ----- | ----- | HORIZONTAL Peak |
| 5 | 5387.297 | 48.81 | 31.78 | 6.00 | 36.88 | 49.71 | 54.00 | -4.29 | ----- | ----- | ----- | HORIZONTAL Average |
| 6 | 5389.714 | 62.62 | 31.78 | 6.00 | 36.88 | 63.52 | 74.00 | -10.48 | ----- | ----- | ----- | HORIZONTAL Peak |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:High



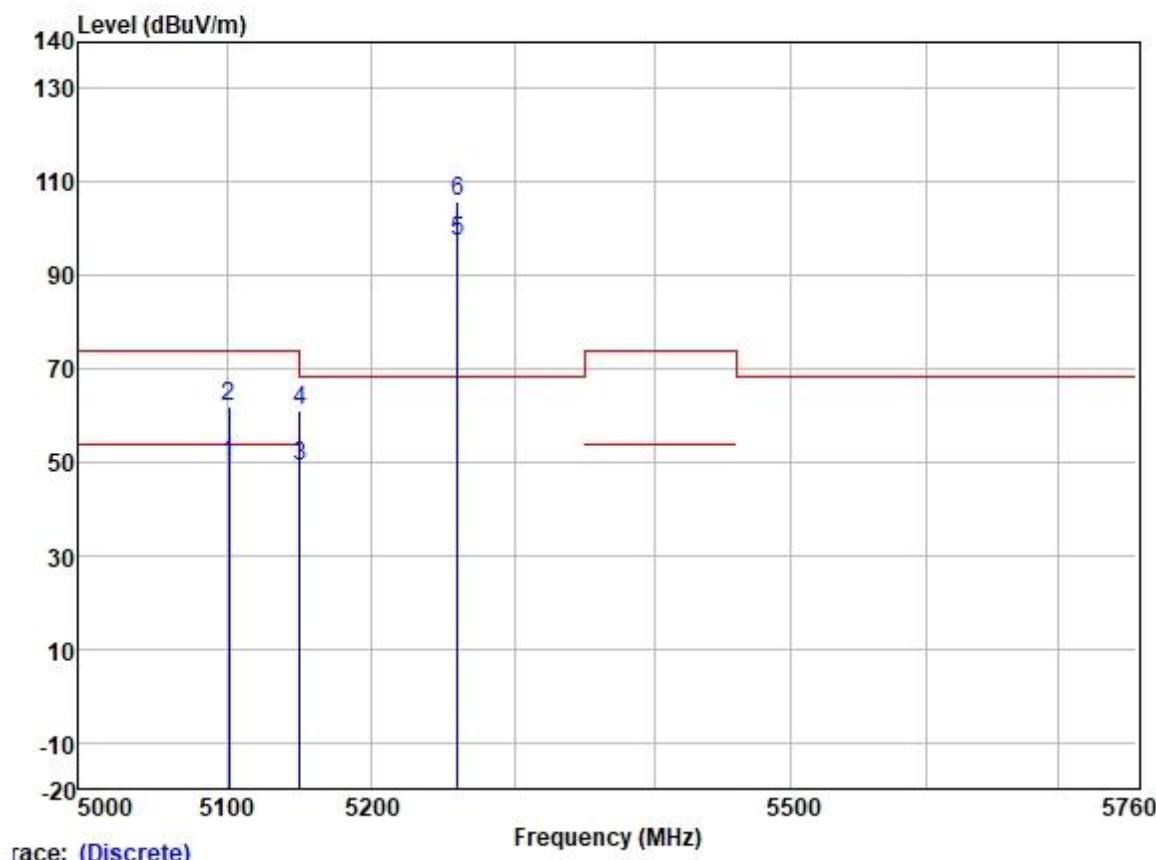
Mode: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|----------|----------|-----------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | | |
| 1 | 5320.000 | 99.03 | 31.77 | 6.08 | 36.88 | 100.00 | ----- | ----- | ----- | ----- | ----- | Average |
| 2 * | 5320.000 | 108.43 | 31.77 | 6.08 | 36.88 | 109.40 | 68.20 | 41.20 | VERTICAL | VERTICAL | VERTICAL | Peak |
| 3 | 5350.020 | 48.39 | 31.77 | 6.05 | 36.88 | 49.33 | 54.00 | -4.67 | VERTICAL | VERTICAL | VERTICAL | Average |
| 4 | 5350.020 | 62.17 | 31.77 | 6.05 | 36.88 | 63.11 | 74.00 | -10.89 | VERTICAL | VERTICAL | VERTICAL | Peak |
| 5 | 5394.048 | 48.81 | 31.78 | 6.00 | 36.88 | 49.71 | 54.00 | -4.29 | VERTICAL | VERTICAL | VERTICAL | Average |
| 6 | 5394.048 | 63.10 | 31.78 | 6.00 | 36.88 | 64.00 | 74.00 | -10.00 | VERTICAL | VERTICAL | VERTICAL | Peak |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | | |
| 1 5101.416 | 49.08 | 31.72 | 5.65 | 36.86 | 49.59 | 54.00 | -4.41 | HORIZONTAL | Average | |
| 2 5101.416 | 61.59 | 31.72 | 5.65 | 36.86 | 62.10 | 74.00 | -11.90 | HORIZONTAL | Peak | |
| 3 5149.980 | 48.70 | 31.72 | 5.62 | 36.86 | 49.18 | 54.00 | -4.82 | HORIZONTAL | Average | |
| 4 5149.980 | 60.54 | 31.72 | 5.62 | 36.86 | 61.02 | 74.00 | -12.98 | HORIZONTAL | Peak | |
| 5 5260.000 | 96.56 | 31.75 | 5.77 | 36.87 | 97.21 | ----- | ----- | HORIZONTAL | Average | |
| 6 * 5260.000 | 105.36 | 31.75 | 5.77 | 36.87 | 106.01 | 68.20 | 37.81 | HORIZONTAL | Peak | |

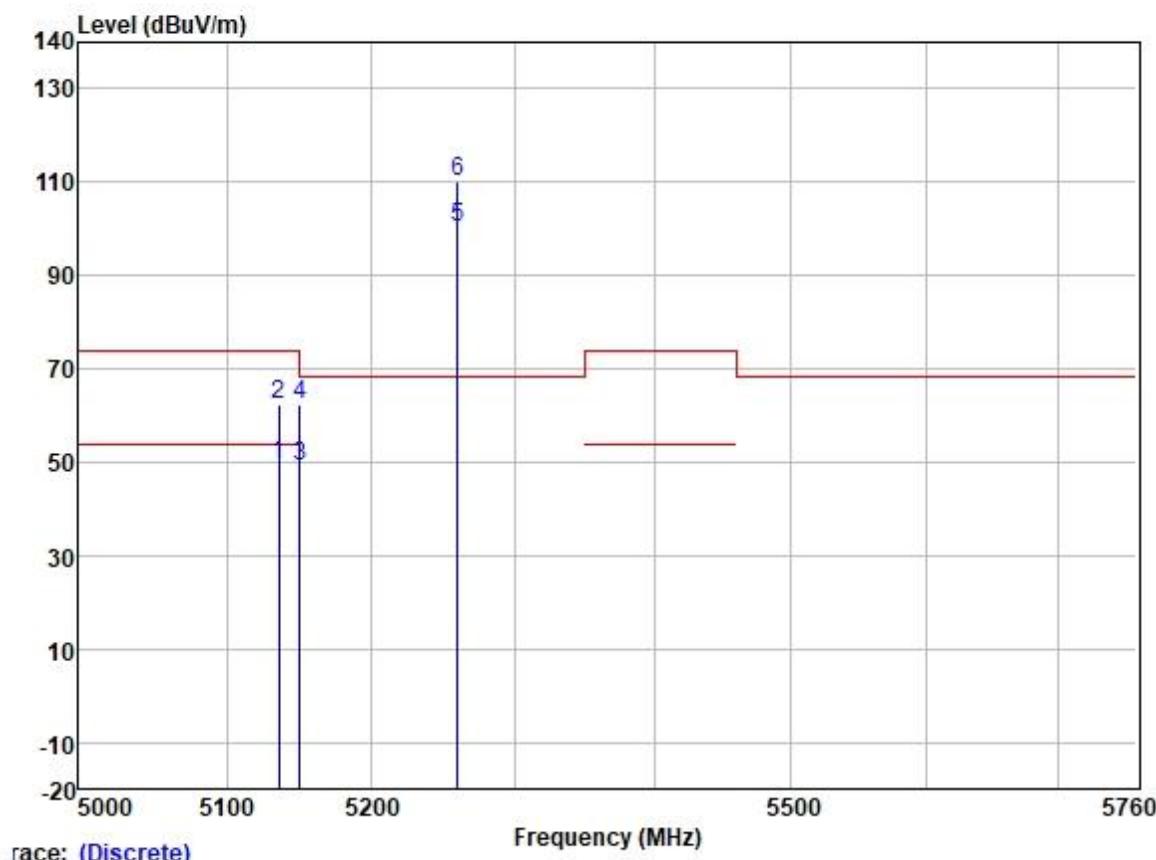
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Test Mode: 20; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|----------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | Line | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 5135.680 | 48.92 | 31.72 | 5.63 | 36.86 | 49.41 | 54.00 | -4.59 | VERTICAL | Average | |
| 2 5135.680 | 61.71 | 31.72 | 5.63 | 36.86 | 62.20 | 74.00 | -11.80 | VERTICAL | Peak | |
| 3 5149.980 | 48.59 | 31.72 | 5.62 | 36.86 | 49.07 | 54.00 | -4.93 | VERTICAL | Average | |
| 4 5149.980 | 61.80 | 31.72 | 5.62 | 36.86 | 62.28 | 74.00 | -11.72 | VERTICAL | Peak | |
| 5 5260.000 | 99.60 | 31.75 | 5.77 | 36.87 | 100.25 | ----- | ----- | VERTICAL | Average | |
| 6 * 5260.000 | 109.57 | 31.75 | 5.77 | 36.87 | 110.22 | 68.20 | 42.02 | VERTICAL | Peak | |

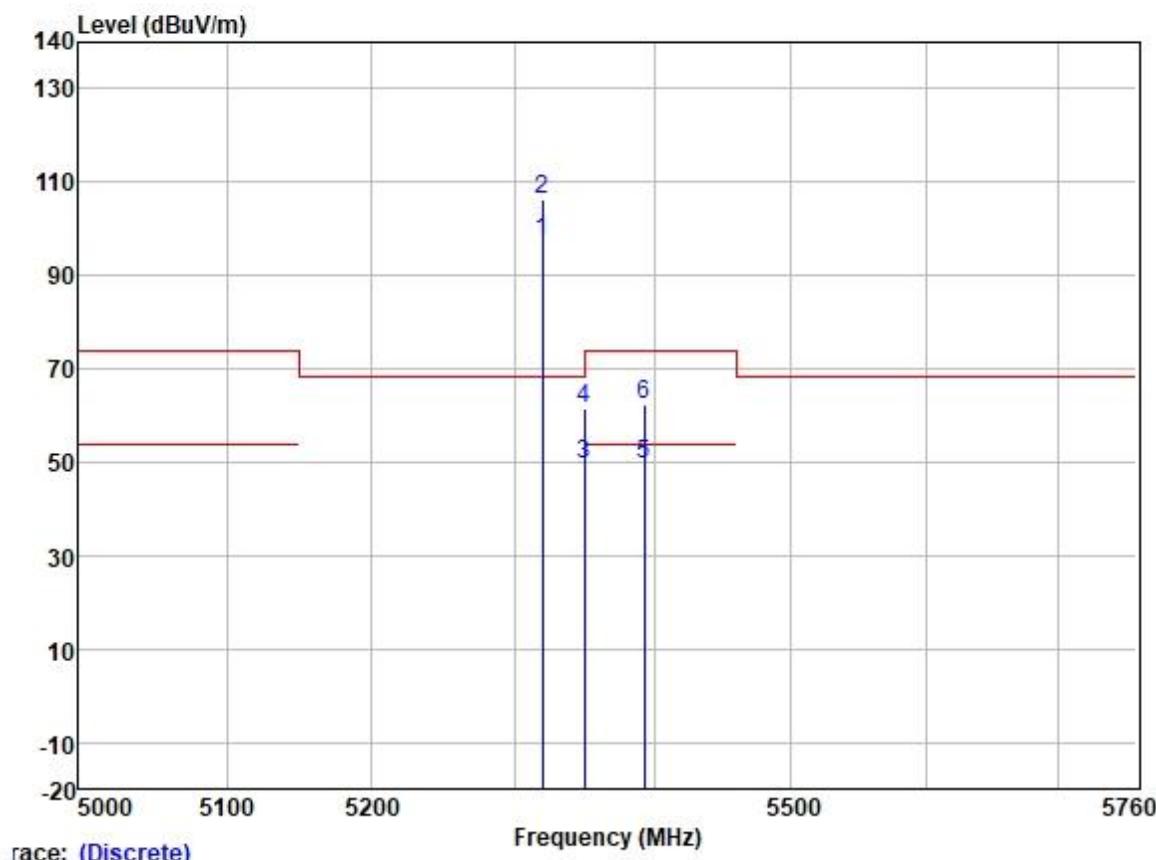
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Test Mode: 20; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:High



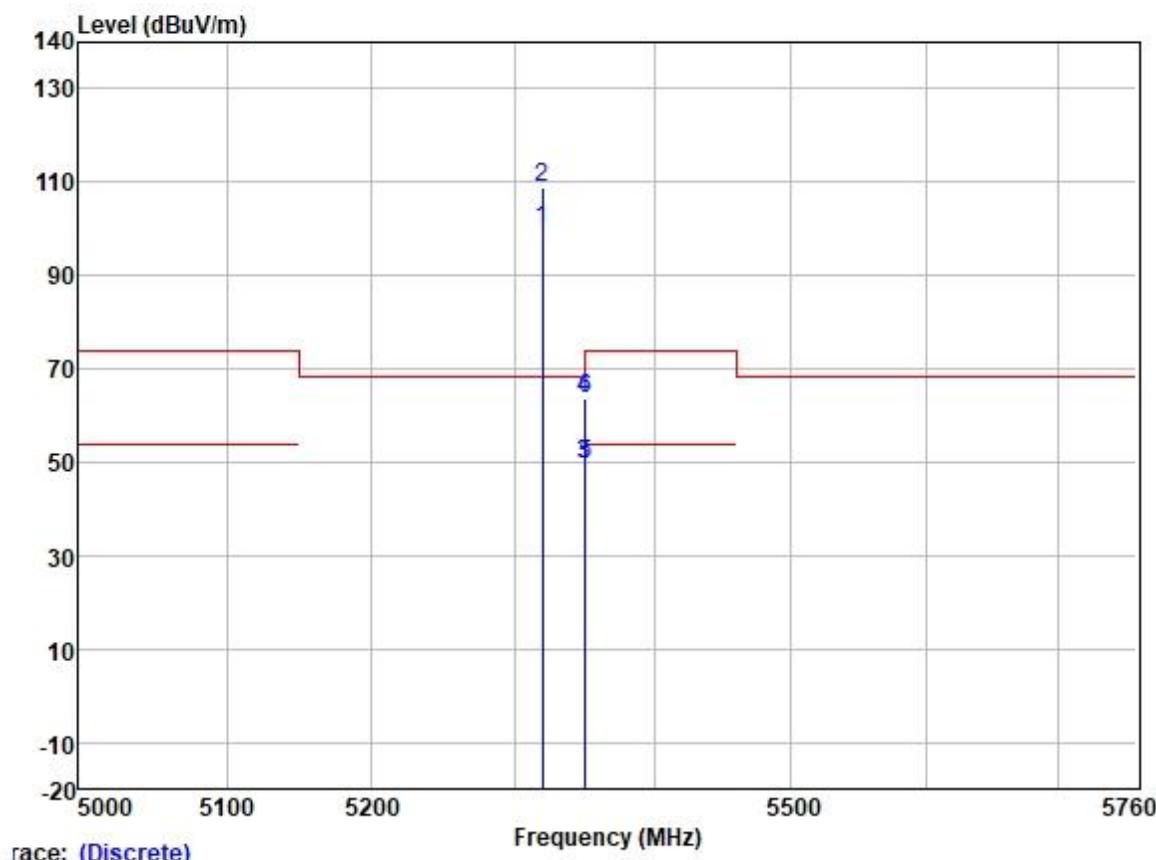
| Trace: (Discrete) | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|-------------------|-------------|--------|--------|------|--------|--------|--------|--------|-------|-------|------------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | | | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | | |
| 1 | 5320.000 | 96.15 | 31.77 | 6.08 | 36.88 | 97.12 | ----- | ----- | ----- | ----- | HORIZONTAL | Average |
| 2 * | 5320.000 | 105.39 | 31.77 | 6.08 | 36.88 | 106.36 | 68.20 | 38.16 | ----- | ----- | HORIZONTAL | Peak |
| 3 | 5350.020 | 48.43 | 31.77 | 6.05 | 36.88 | 49.37 | 54.00 | -4.63 | ----- | ----- | HORIZONTAL | Average |
| 4 | 5350.020 | 60.53 | 31.77 | 6.05 | 36.88 | 61.47 | 74.00 | -12.53 | ----- | ----- | HORIZONTAL | Peak |
| 5 | 5392.536 | 48.86 | 31.78 | 6.00 | 36.88 | 49.76 | 54.00 | -4.24 | ----- | ----- | HORIZONTAL | Average |
| 6 | 5392.536 | 61.56 | 31.78 | 6.00 | 36.88 | 62.46 | 74.00 | -11.54 | ----- | ----- | HORIZONTAL | Peak |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:High



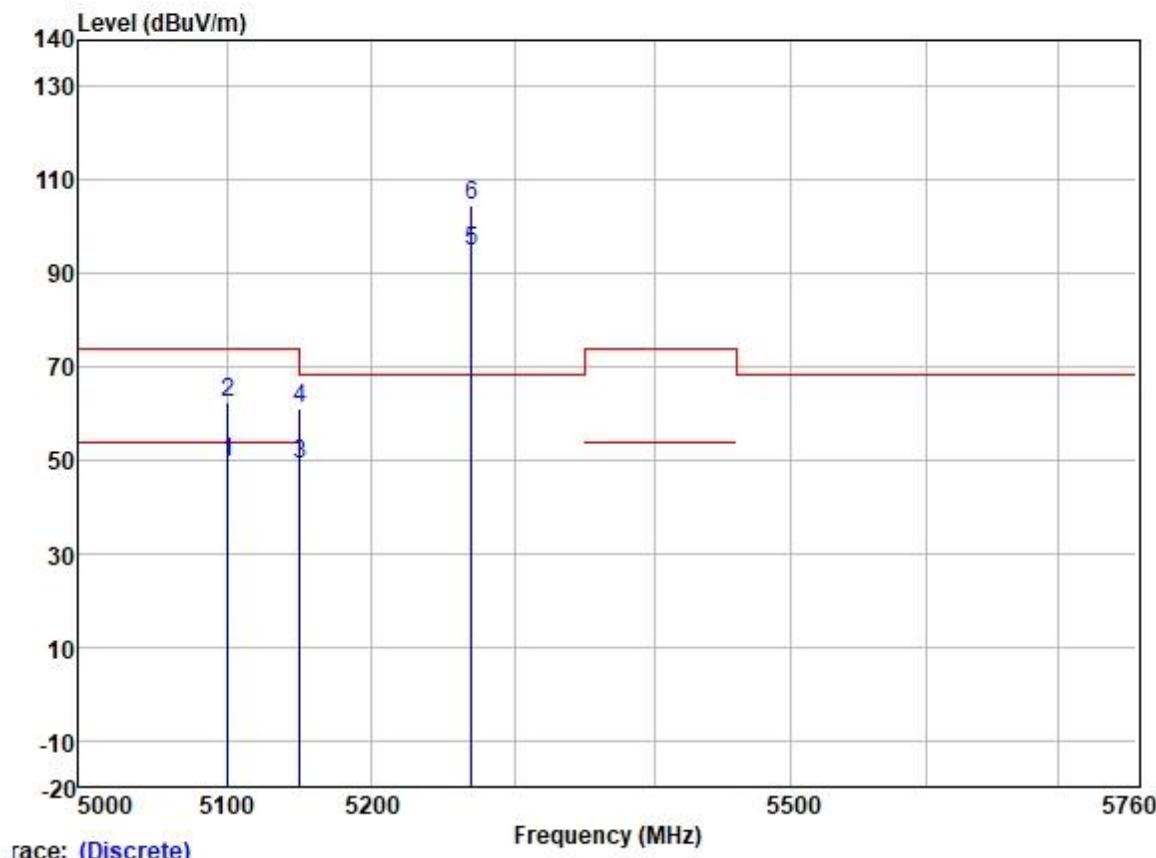
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|-------|--------|--------|--------|-------|--------|----------|----------|-----------|---------|
| | MHz | dBuV | Level | Factor | Loss | Factor | | | | | | |
| 1 | 5320.000 | 98.74 | 31.77 | 6.08 | 36.88 | 99.71 | ----- | ----- | ----- | ----- | ----- | Average |
| 2 * | 5320.000 | 108.08 | 31.77 | 6.08 | 36.88 | 109.05 | 68.20 | 40.85 | VERTICAL | VERTICAL | Peak | |
| 3 | 5350.020 | 48.50 | 31.77 | 6.05 | 36.88 | 49.44 | 54.00 | -4.56 | VERTICAL | VERTICAL | Average | |
| 4 | 5350.020 | 62.69 | 31.77 | 6.05 | 36.88 | 63.63 | 74.00 | -10.37 | VERTICAL | VERTICAL | Peak | |
| 5 | 5350.566 | 48.69 | 31.77 | 6.05 | 36.88 | 49.63 | 54.00 | -4.37 | VERTICAL | VERTICAL | Average | |
| 6 | 5350.566 | 62.51 | 31.77 | 6.05 | 36.88 | 63.45 | 74.00 | -10.55 | VERTICAL | VERTICAL | Peak | |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



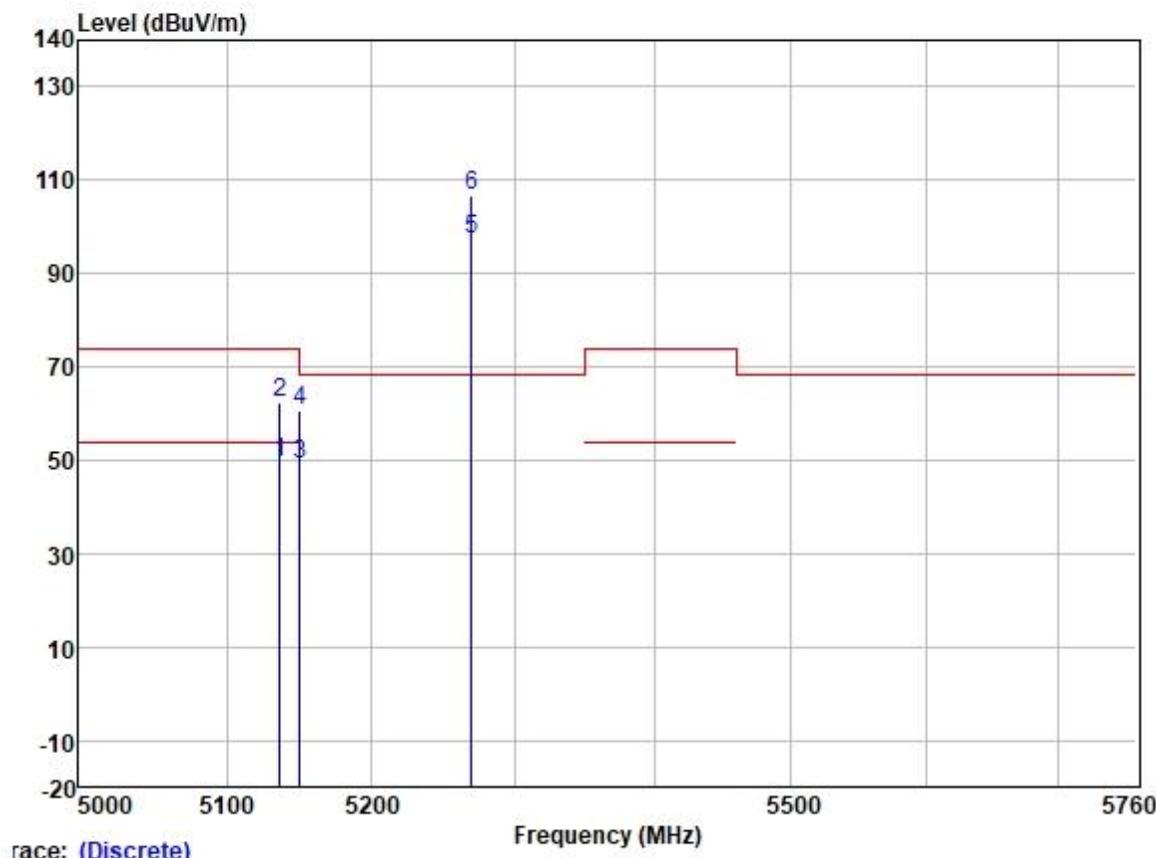
| Freq | ReadAntenna | | Cable | | Preamp | Limit | Over | Line | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|---------|-----------|--------|
| | Level | Factor | Loss | Factor | | | | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | | |
| 1 5100.981 | 48.88 | 31.72 | 5.65 | 36.86 | 49.39 | 54.00 | -4.61 | HORIZONTAL | Average | | |
| 2 5100.981 | 61.76 | 31.72 | 5.65 | 36.86 | 62.27 | 74.00 | -11.73 | HORIZONTAL | Peak | | |
| 3 5149.980 | 48.52 | 31.72 | 5.62 | 36.86 | 49.00 | 54.00 | -5.00 | HORIZONTAL | Average | | |
| 4 5149.980 | 60.75 | 31.72 | 5.62 | 36.86 | 61.23 | 74.00 | -12.77 | HORIZONTAL | Peak | | |
| 5 5270.000 | 93.95 | 31.75 | 5.80 | 36.87 | 94.63 | ----- | ----- | HORIZONTAL | Average | | |
| 6 * 5270.000 | 104.07 | 31.75 | 5.80 | 36.87 | 104.75 | 68.20 | 36.55 | HORIZONTAL | Peak | | |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:Low



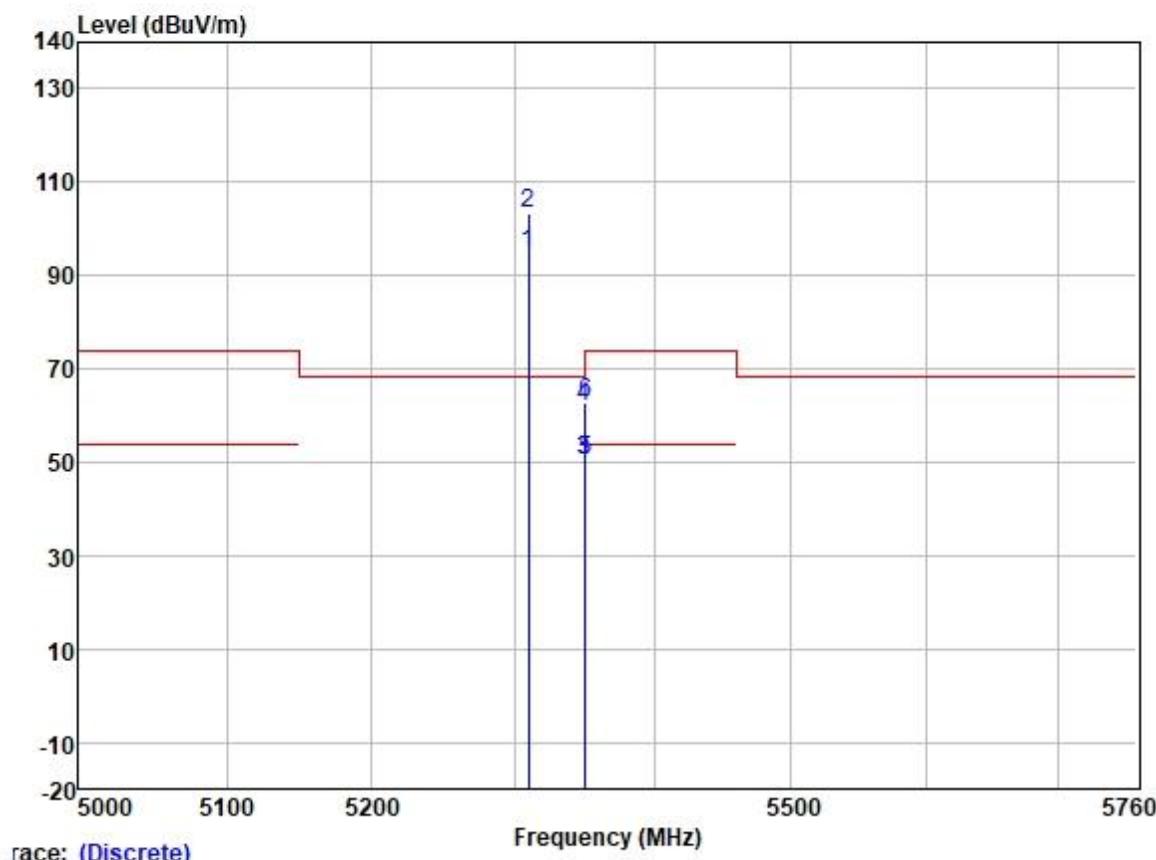
Mode: (Discrete)

| ReadAntenna | Cable | Preamp | Limit | | Over | Pol/Phase | Remark | | |
|--------------|--------|--------|-------|-------|--------|-----------|--------|----------|---------|
| | | | Freq | Level | Factor | Loss | Factor | Level | Line |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 5136.620 | 48.96 | 31.72 | 5.63 | 36.86 | 49.45 | 54.00 | -4.55 | VERTICAL | Average |
| 2 5136.620 | 62.05 | 31.72 | 5.63 | 36.86 | 62.54 | 74.00 | -11.46 | VERTICAL | Peak |
| 3 5149.980 | 48.50 | 31.72 | 5.62 | 36.86 | 48.98 | 54.00 | -5.02 | VERTICAL | Average |
| 4 5149.980 | 60.37 | 31.72 | 5.62 | 36.86 | 60.85 | 74.00 | -13.15 | VERTICAL | Peak |
| 5 5270.000 | 96.61 | 31.75 | 5.80 | 36.87 | 97.29 | ----- | ----- | VERTICAL | Average |
| 6 * 5270.000 | 106.25 | 31.75 | 5.80 | 36.87 | 106.93 | 68.20 | 38.73 | VERTICAL | Peak |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11n; Bandwidth:40MHz; Channel:High



| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|--------|--------|--------|------------|---------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB | dB | dB |
| 1 5310.000 | 93.65 | 31.77 | 6.08 | 36.87 | 94.63 | ----- | ----- | ----- | ----- | ----- | HORIZONTAL | Average |
| 2 * 5310.000 | 102.34 | 31.77 | 6.08 | 36.87 | 103.32 | 68.20 | 35.12 | 35.12 | 35.12 | 35.12 | HORIZONTAL | Peak |
| 3 5350.020 | 49.60 | 31.77 | 6.05 | 36.88 | 50.54 | 54.00 | -3.46 | -3.46 | -3.46 | -3.46 | HORIZONTAL | Average |
| 4 5350.020 | 60.90 | 31.77 | 6.05 | 36.88 | 61.84 | 74.00 | -12.16 | -12.16 | -12.16 | -12.16 | HORIZONTAL | Peak |
| 5 5350.714 | 49.40 | 31.77 | 6.05 | 36.88 | 50.34 | 54.00 | -3.66 | -3.66 | -3.66 | -3.66 | HORIZONTAL | Average |
| 6 5350.714 | 61.65 | 31.77 | 6.05 | 36.88 | 62.59 | 74.00 | -11.41 | -11.41 | -11.41 | -11.41 | HORIZONTAL | Peak |

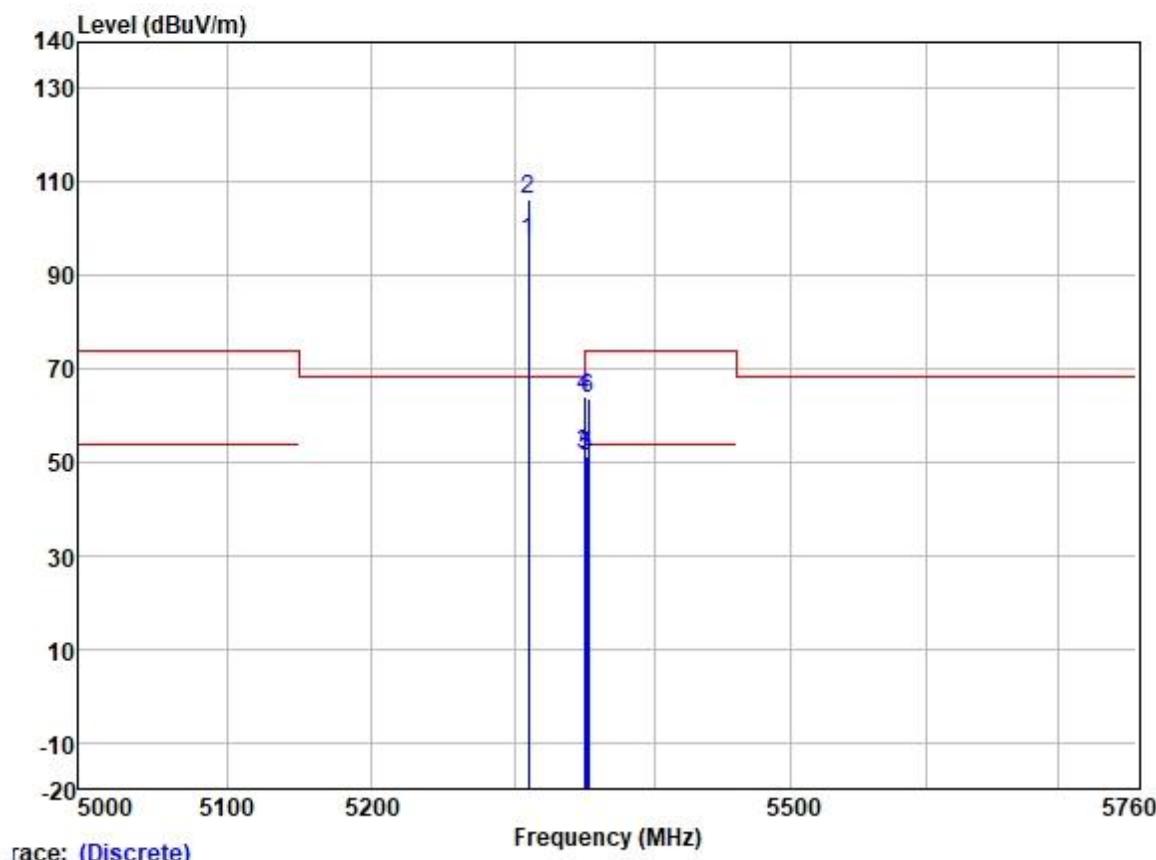
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Test Mode: 20; Polarity: Vertical; Modulation:802.11n; Bandwidth:40MHz; Channel:High



| Trace: (Discrete) | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Limit | Pol/Phase | Remark |
|-------------------|-------------|--------|--------|------|--------|--------|------------|------------|-----------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5310.000 | 96.17 | 31.77 | 6.08 | 36.87 | 97.15 | ----- | ----- | VERTICAL | Average |
| 2 * | 5310.000 | 105.18 | 31.77 | 6.08 | 36.87 | 106.16 | 68.20 | 37.96 | VERTICAL | Peak |
| 3 | 5350.020 | 50.83 | 31.77 | 6.05 | 36.88 | 51.77 | 54.00 | -2.23 | VERTICAL | Average |
| 4 | 5350.020 | 63.08 | 31.77 | 6.05 | 36.88 | 64.02 | 74.00 | -9.98 | VERTICAL | Peak |
| 5 | 5350.955 | 50.36 | 31.77 | 6.05 | 36.88 | 51.30 | 54.00 | -2.70 | VERTICAL | Average |
| 6 | 5352.398 | 62.85 | 31.77 | 6.05 | 36.88 | 63.79 | 74.00 | -10.21 | VERTICAL | Peak |

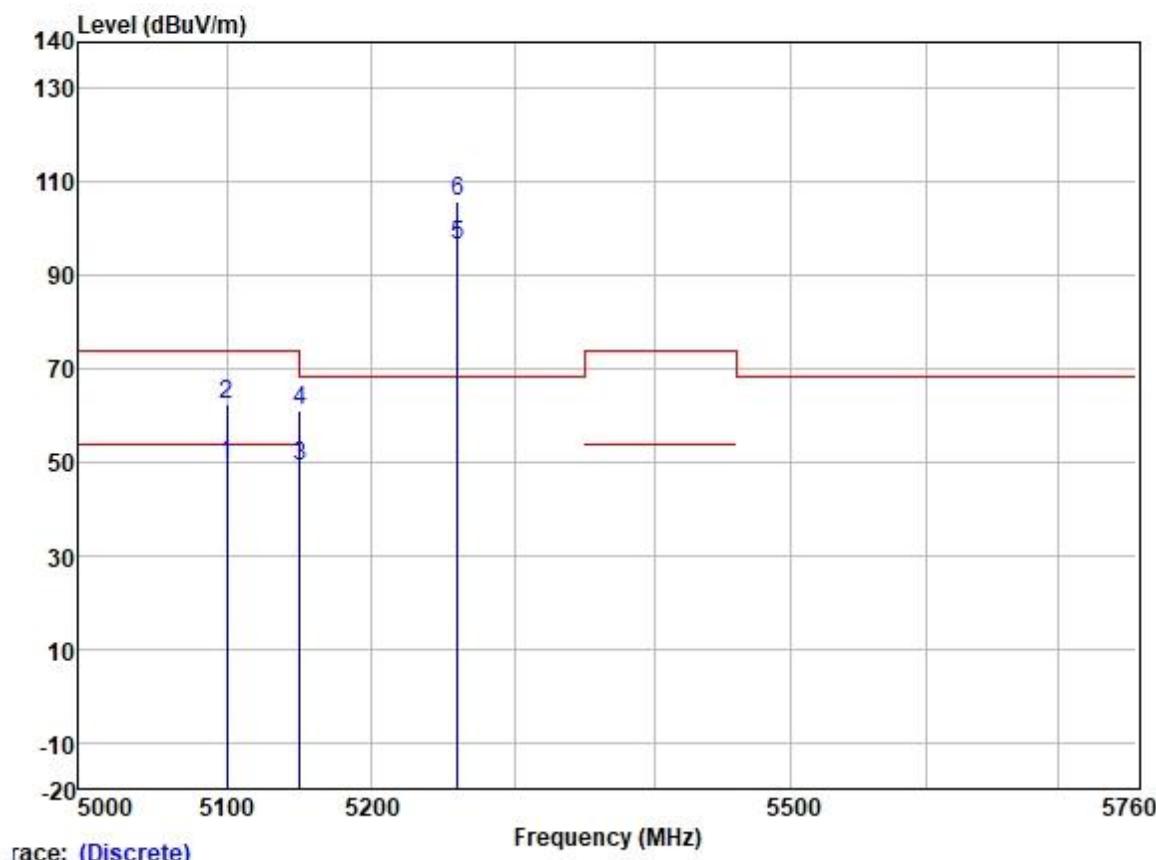
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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|---------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB | dB |
| 1 5100.000 | 48.94 | 31.72 | 5.65 | 36.86 | 49.45 | 54.00 | -4.55 | HORIZONTAL | Average | | |
| 2 5100.000 | 61.86 | 31.72 | 5.65 | 36.86 | 62.37 | 74.00 | -11.63 | HORIZONTAL | Peak | | |
| 3 5149.980 | 48.50 | 31.72 | 5.62 | 36.86 | 48.98 | 54.00 | -5.02 | HORIZONTAL | Average | | |
| 4 5149.980 | 60.69 | 31.72 | 5.62 | 36.86 | 61.17 | 74.00 | -12.83 | HORIZONTAL | Peak | | |
| 5 5260.000 | 95.76 | 31.75 | 5.77 | 36.87 | 96.41 | ----- | ----- | HORIZONTAL | Average | | |
| 6 * 5260.000 | 105.02 | 31.75 | 5.77 | 36.87 | 105.67 | 68.20 | 37.47 | HORIZONTAL | Peak | | |

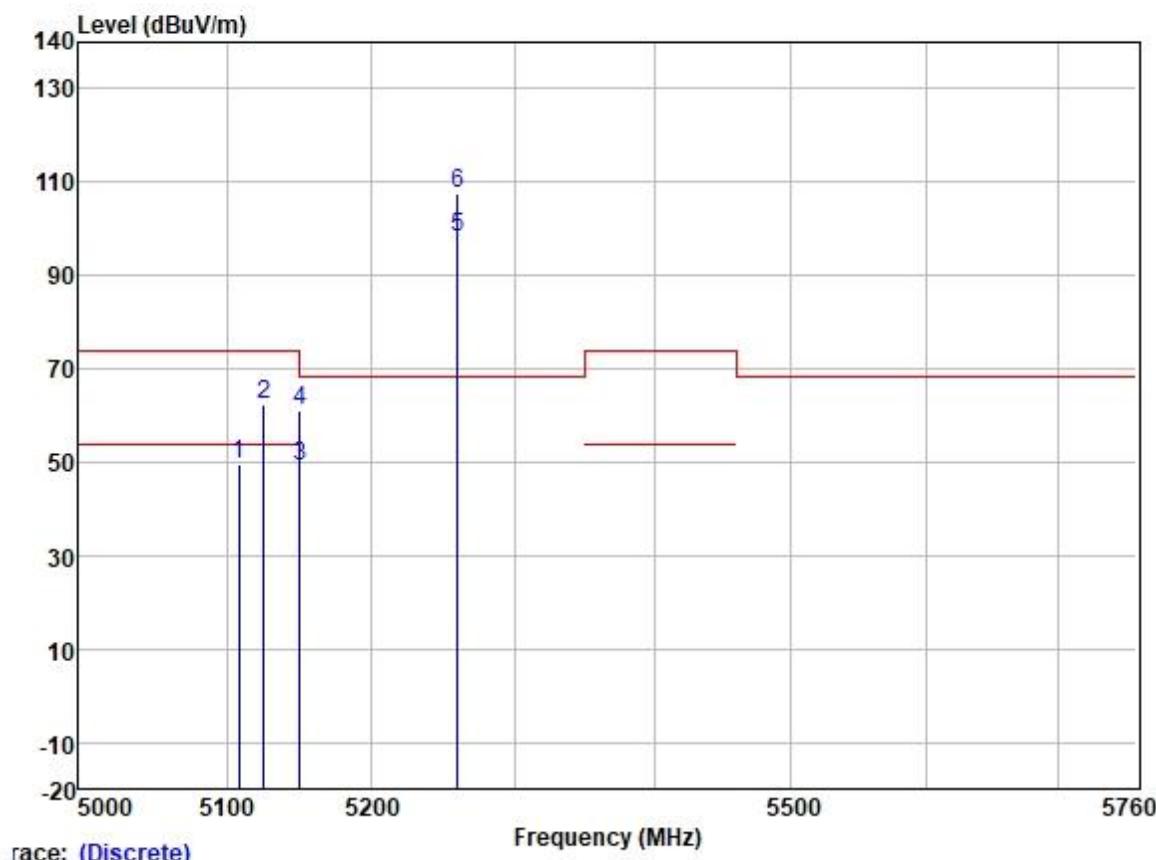
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Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:Low



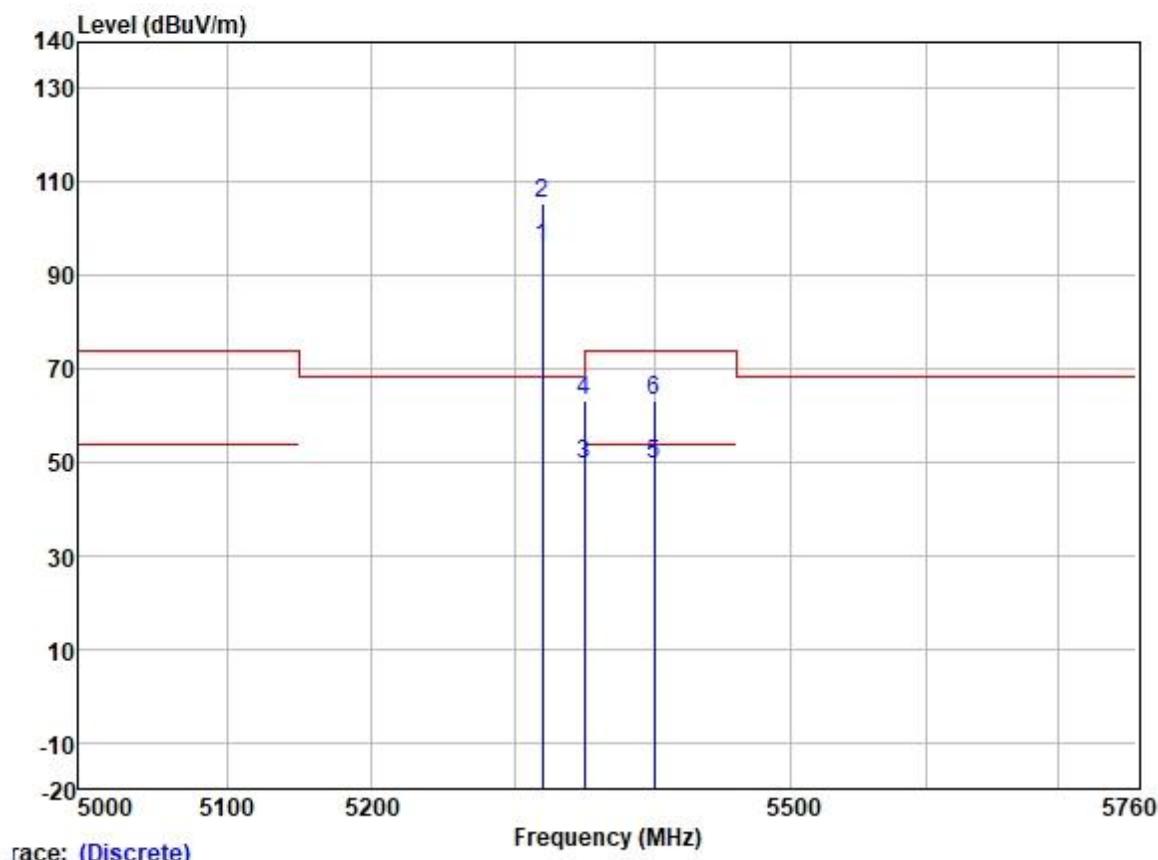
Trace: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|-------|--------|----------|-------|-----------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV | dB | | | | |
| 1 | 5108.321 | 48.91 | 31.72 | 5.65 | 36.86 | 49.42 | 54.00 | -4.58 | VERTICAL | ----- | ----- | Average |
| 2 | 5125.359 | 61.73 | 31.72 | 5.64 | 36.86 | 62.23 | 74.00 | -11.77 | VERTICAL | ----- | ----- | Peak |
| 3 | 5149.980 | 48.49 | 31.72 | 5.62 | 36.86 | 48.97 | 54.00 | -5.03 | VERTICAL | ----- | ----- | Average |
| 4 | 5149.980 | 60.57 | 31.72 | 5.62 | 36.86 | 61.05 | 74.00 | -12.95 | VERTICAL | ----- | ----- | Peak |
| 5 | 5260.000 | 97.50 | 31.75 | 5.77 | 36.87 | 98.15 | ----- | ----- | VERTICAL | ----- | ----- | Average |
| 6 * | 5260.000 | 107.12 | 31.75 | 5.77 | 36.87 | 107.77 | 68.20 | 39.57 | VERTICAL | ----- | ----- | Peak |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|-----------|------------|---------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dB | dBuV/m | dBuV/m | dB | dB | dB |
| 1 5320.000 | 94.93 | 31.77 | 6.08 | 36.88 | 95.90 | ----- | ----- | ----- | HORIZONTAL | Average |
| 2 * 5320.000 | 104.63 | 31.77 | 6.08 | 36.88 | 105.60 | 68.20 | 37.40 | 37.40 | HORIZONTAL | Peak |
| 3 5350.020 | 48.48 | 31.77 | 6.05 | 36.88 | 49.42 | 54.00 | -4.58 | 54.00 | HORIZONTAL | Average |
| 4 5350.020 | 62.19 | 31.77 | 6.05 | 36.88 | 63.13 | 74.00 | -10.87 | 74.00 | HORIZONTAL | Peak |
| 5 5399.697 | 48.81 | 31.78 | 6.00 | 36.88 | 49.71 | 54.00 | -4.29 | 54.00 | HORIZONTAL | Average |
| 6 5399.697 | 62.10 | 31.78 | 6.00 | 36.88 | 63.00 | 74.00 | -11.00 | 74.00 | HORIZONTAL | Peak |

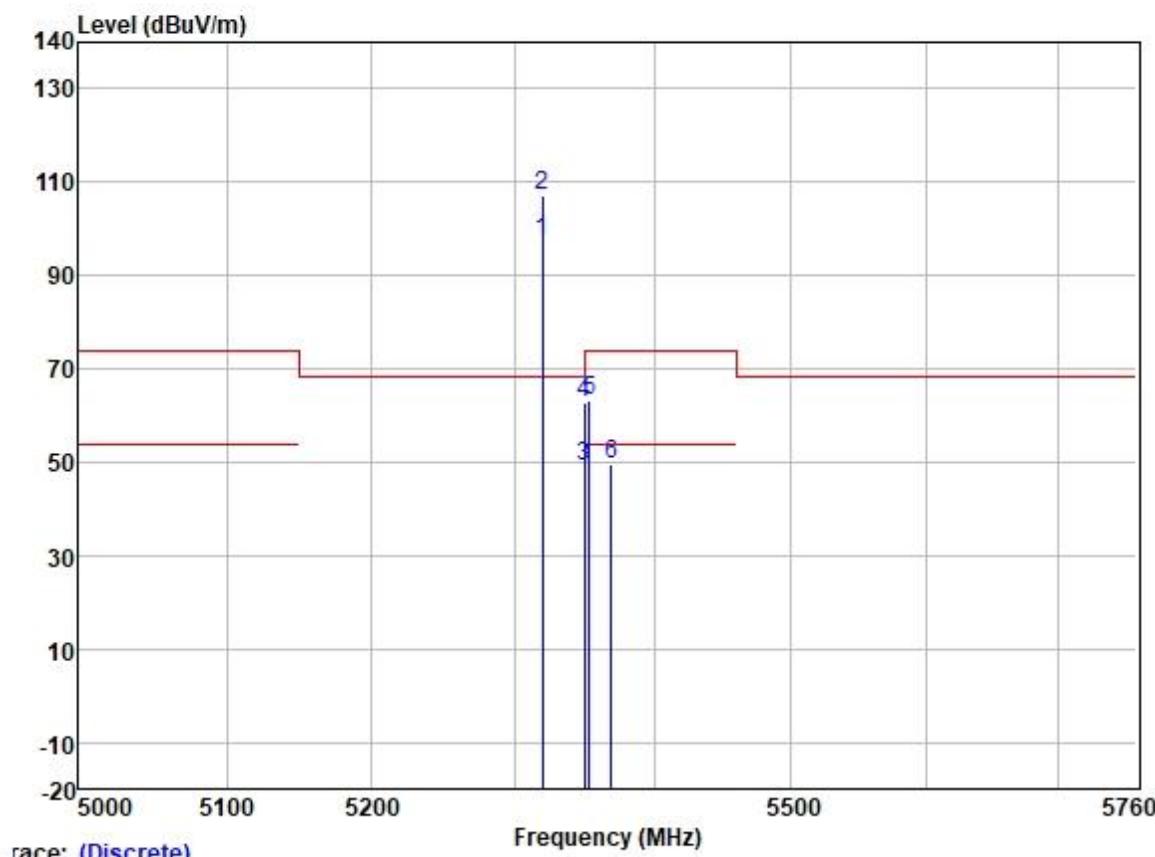
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Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:20MHz; Channel:High



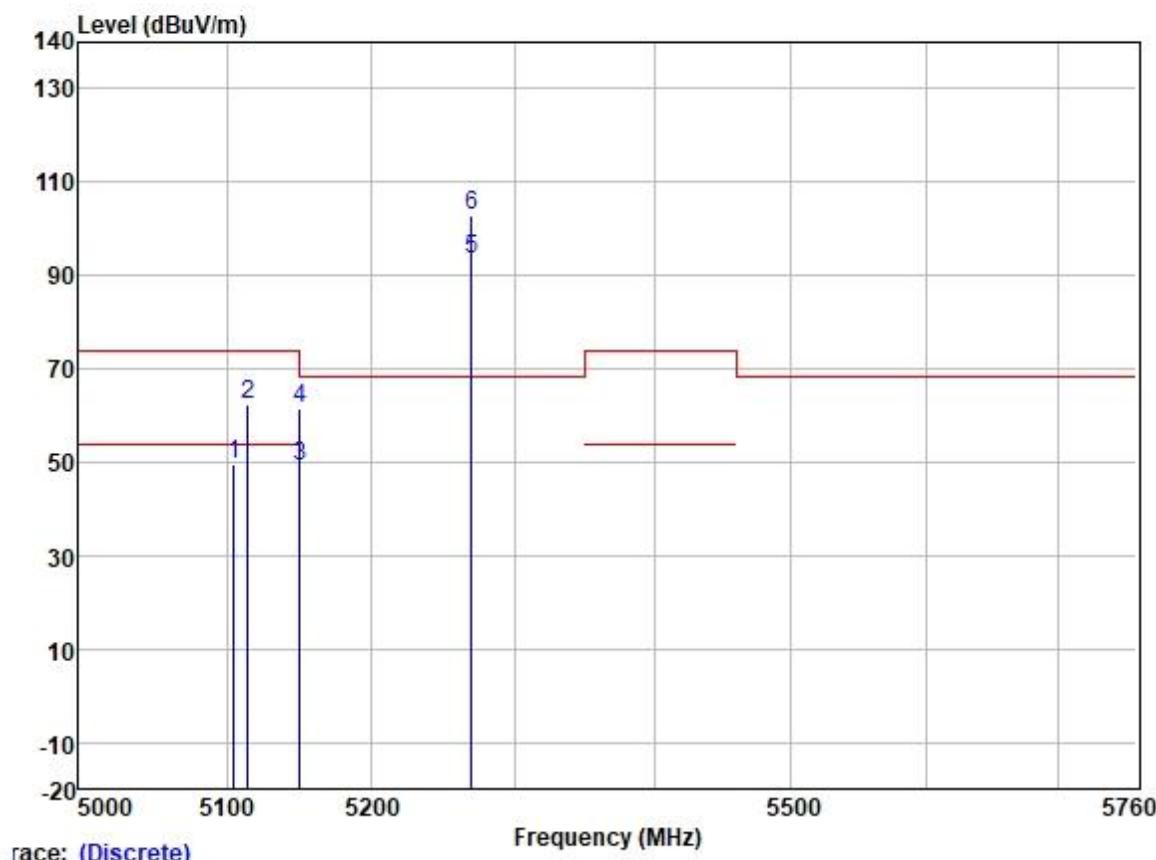
Trace: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Level | Line | Over Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|-------------|--------|------------|-----------|---------|
| | MHz | dBuV | Factor | Loss | Factor | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5320.000 | 96.27 | 31.77 | 6.08 | 36.88 | 97.24 | ----- | ----- | ----- | VERTICAL | Average |
| 2 | * 5320.000 | 106.37 | 31.77 | 6.08 | 36.88 | 107.34 | 68.20 | 39.14 | 39.14 | VERTICAL | Peak |
| 3 | 5350.020 | 48.38 | 31.77 | 6.05 | 36.88 | 49.32 | 54.00 | -4.68 | -4.68 | VERTICAL | Average |
| 4 | 5350.020 | 61.63 | 31.77 | 6.05 | 36.88 | 62.57 | 74.00 | -11.43 | -11.43 | VERTICAL | Peak |
| 5 | 5353.368 | 62.21 | 31.77 | 6.05 | 36.88 | 63.15 | 74.00 | -10.85 | -10.85 | VERTICAL | Peak |
| 6 | 5369.000 | 48.77 | 31.78 | 6.03 | 36.88 | 49.70 | 54.00 | -4.30 | -4.30 | VERTICAL | Average |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



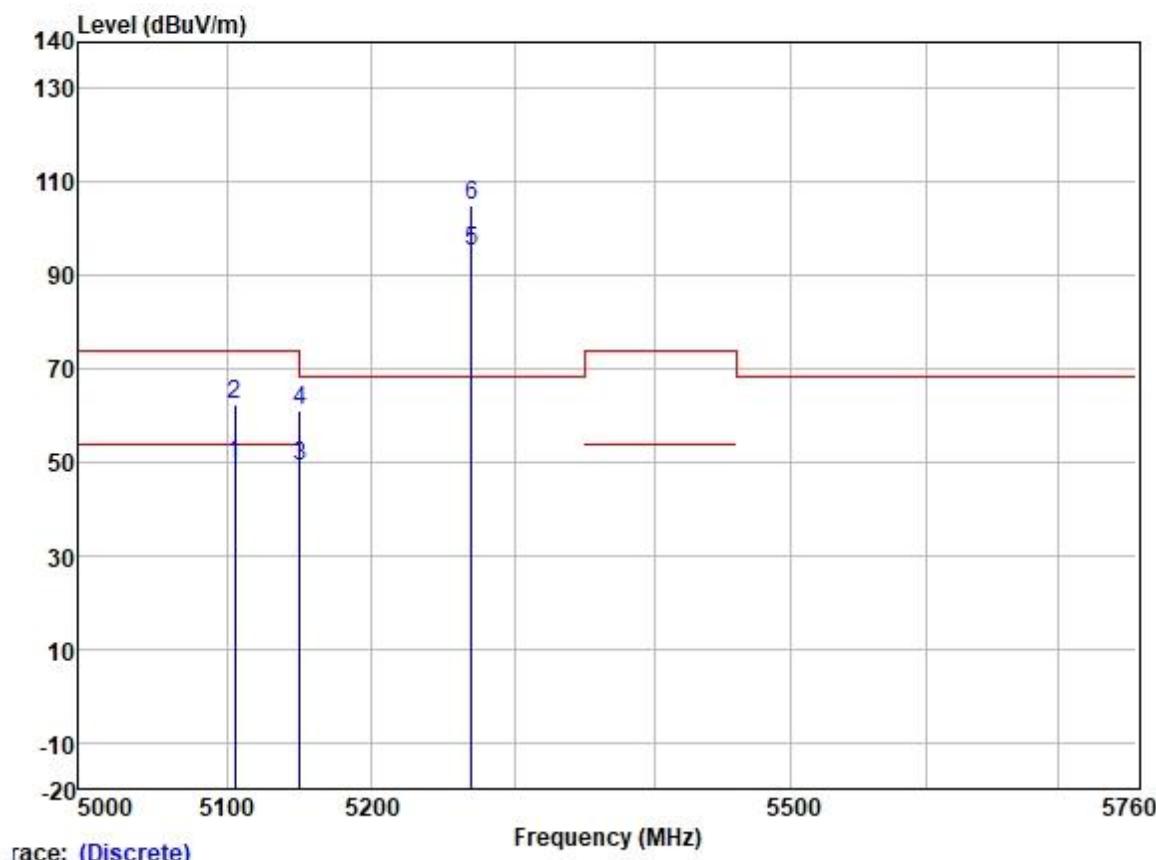
Mode: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp Loss Factor | Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|-----------------------|--------|---------------|---------------|------------|---------|
| | MHz | dBuV | Factor | dB | | | | | | |
| 1 | 5105.103 | 48.91 | 31.72 | 5.65 | 36.86 | 49.42 | 54.00 | -4.58 | HORIZONTAL | Average |
| 2 | 5114.734 | 61.91 | 31.72 | 5.64 | 36.86 | 62.41 | 74.00 | -11.59 | HORIZONTAL | Peak |
| 3 | 5149.980 | 48.46 | 31.72 | 5.62 | 36.86 | 48.94 | 54.00 | -5.06 | HORIZONTAL | Average |
| 4 | 5149.980 | 61.11 | 31.72 | 5.62 | 36.86 | 61.59 | 74.00 | -12.41 | HORIZONTAL | Peak |
| 5 | 5270.000 | 92.77 | 31.75 | 5.80 | 36.87 | 93.45 | ----- | ----- | HORIZONTAL | Average |
| 6 * | 5270.000 | 102.03 | 31.75 | 5.80 | 36.87 | 102.71 | 68.20 | 34.51 | HORIZONTAL | Peak |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:Low



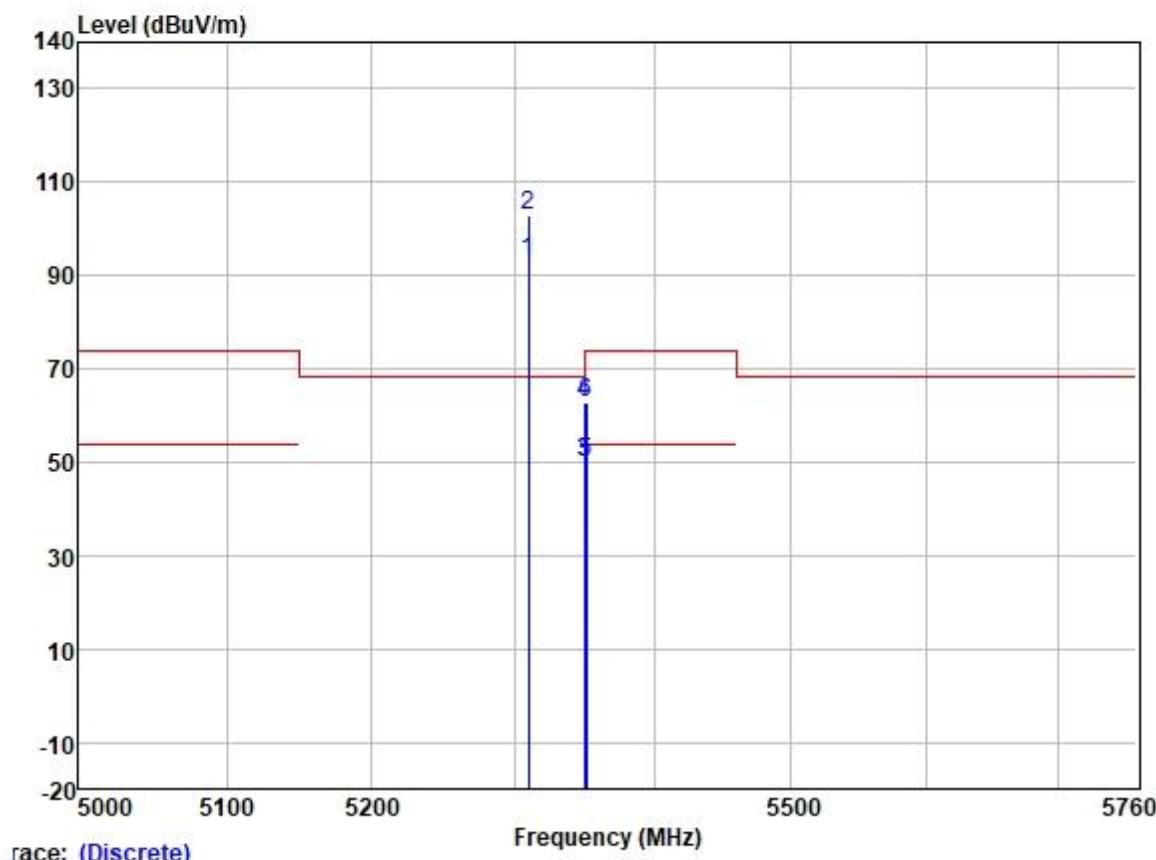
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|-------|--------|----------|-----------|--------|
| | MHz | Level | Factor | Loss | | | | | | | |
| 1 | 5105.299 | 49.06 | 31.72 | 5.65 | 36.86 | 49.57 | 54.00 | -4.43 | VERTICAL | Average | |
| 2 | 5105.299 | 61.83 | 31.72 | 5.65 | 36.86 | 62.34 | 74.00 | -11.66 | VERTICAL | Peak | |
| 3 | 5149.980 | 48.52 | 31.72 | 5.62 | 36.86 | 49.00 | 54.00 | -5.00 | VERTICAL | Average | |
| 4 | 5149.980 | 60.45 | 31.72 | 5.62 | 36.86 | 60.93 | 74.00 | -13.07 | VERTICAL | Peak | |
| 5 | 5270.000 | 94.44 | 31.75 | 5.80 | 36.87 | 95.12 | ----- | ----- | VERTICAL | Average | |
| 6 * | 5270.000 | 104.42 | 31.75 | 5.80 | 36.87 | 105.10 | 68.20 | 36.90 | VERTICAL | Peak | |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



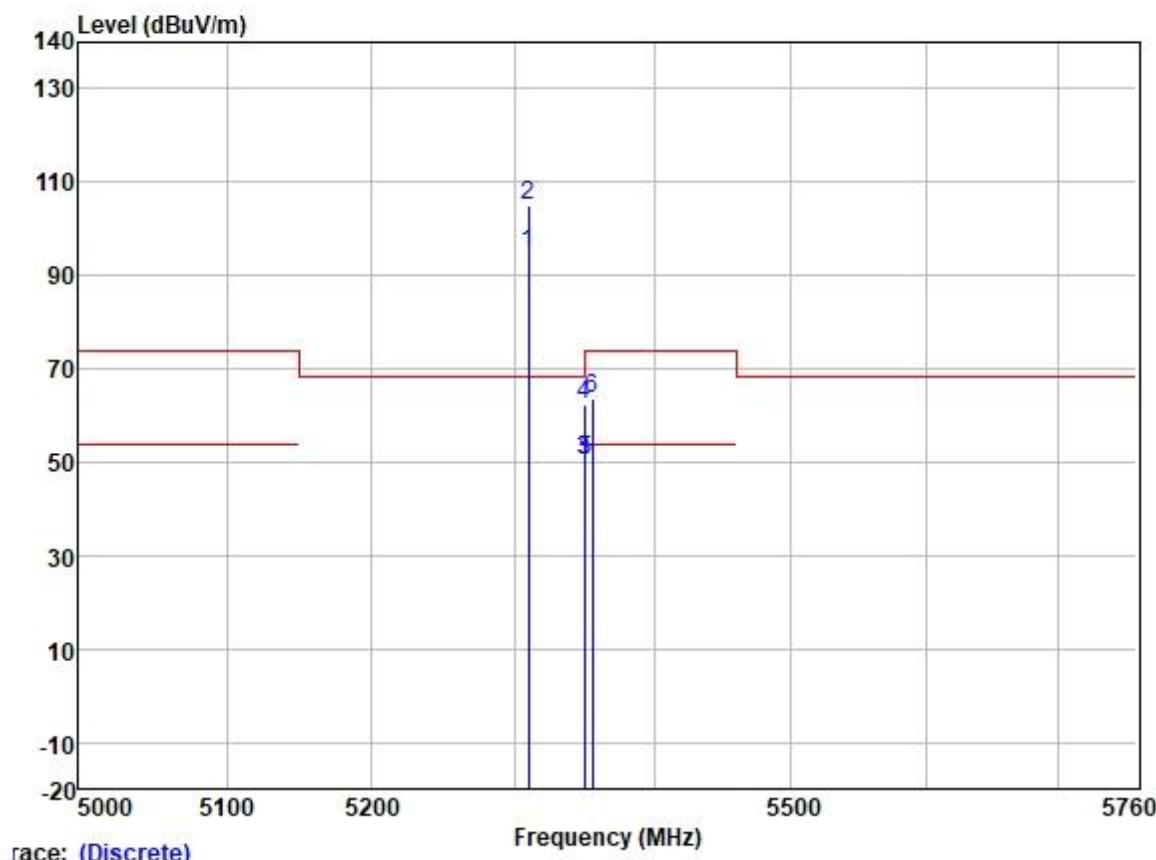
Race: (Discrete)

| Race | Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|----------|-------------|--------|-------|--------|--------|--------|--------|-------|-------|-------|------------|---------|
| | | Level | Factor | Loss | Factor | Level | dBuV/m | | | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB | dB | dB |
| 1 | 5310.000 | 92.24 | 31.77 | 6.08 | 36.87 | 93.22 | ----- | ----- | ----- | ----- | ----- | HORIZONTAL | Average |
| 2 * | 5310.000 | 101.94 | 31.77 | 6.08 | 36.87 | 102.92 | 68.20 | 34.72 | ----- | ----- | ----- | HORIZONTAL | Peak |
| 3 | 5350.020 | 49.24 | 31.77 | 6.05 | 36.88 | 50.18 | 54.00 | -3.82 | ----- | ----- | ----- | HORIZONTAL | Average |
| 4 | 5350.020 | 61.63 | 31.77 | 6.05 | 36.88 | 62.57 | 74.00 | -11.43 | ----- | ----- | ----- | HORIZONTAL | Peak |
| 5 | 5350.834 | 49.12 | 31.77 | 6.05 | 36.88 | 50.06 | 54.00 | -3.94 | ----- | ----- | ----- | HORIZONTAL | Average |
| 6 | 5350.834 | 61.65 | 31.77 | 6.05 | 36.88 | 62.59 | 74.00 | -11.41 | ----- | ----- | ----- | HORIZONTAL | Peak |

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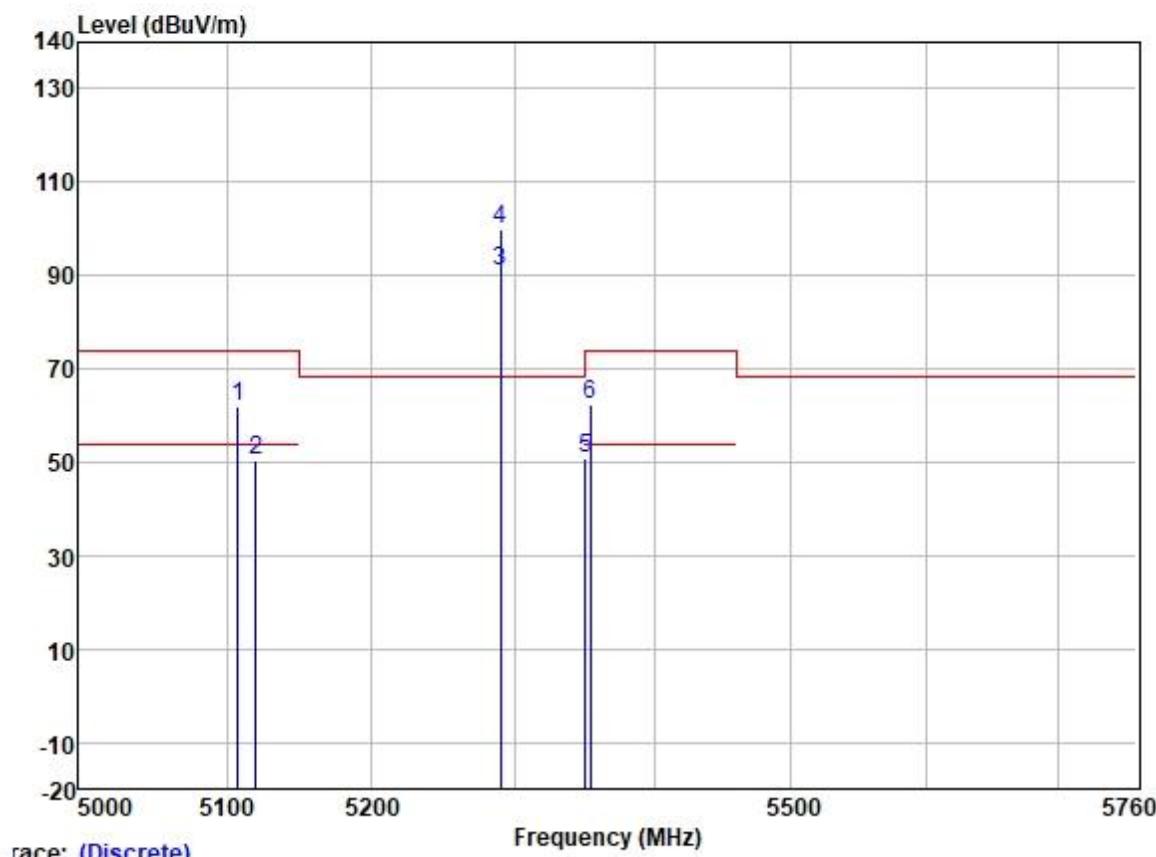
Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:40MHz; Channel:High



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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



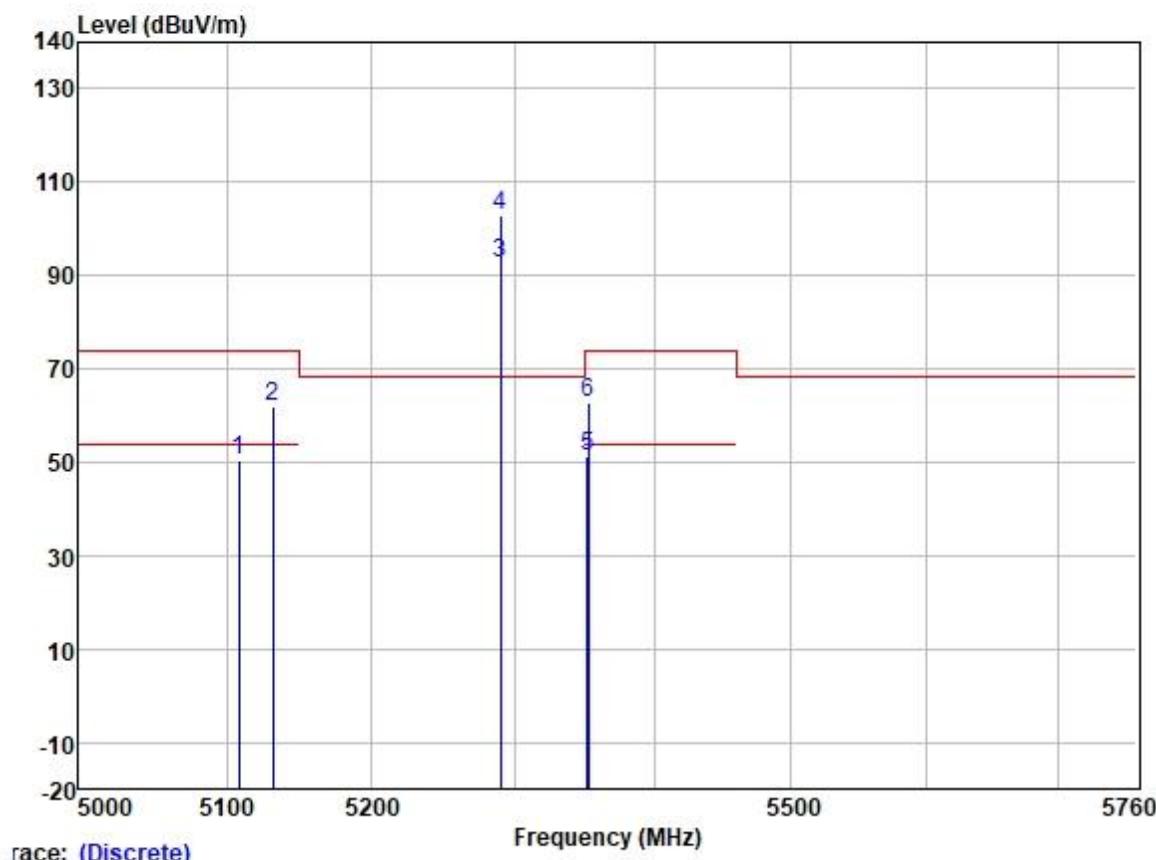
Mode: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|---------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB | dB |
| 1 5107.293 | 61.21 | 31.72 | 5.65 | 36.86 | 61.72 | 74.00 | -12.28 | HORIZONTAL | Peak | | |
| 2 5120.154 | 49.83 | 31.72 | 5.64 | 36.86 | 50.33 | 54.00 | -3.67 | HORIZONTAL | Average | | |
| 3 5290.000 | 89.83 | 31.76 | 6.00 | 36.87 | 90.72 | ----- | ----- | HORIZONTAL | Average | | |
| 4 * 5290.000 | 98.96 | 31.76 | 6.00 | 36.87 | 99.85 | 68.20 | 31.65 | HORIZONTAL | Peak | | |
| 5 5350.229 | 49.94 | 31.77 | 6.05 | 36.88 | 50.88 | 54.00 | -3.12 | HORIZONTAL | Average | | |
| 6 5354.206 | 61.42 | 31.78 | 6.03 | 36.88 | 62.35 | 74.00 | -11.65 | HORIZONTAL | Peak | | |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:80MHz; Channel:middle



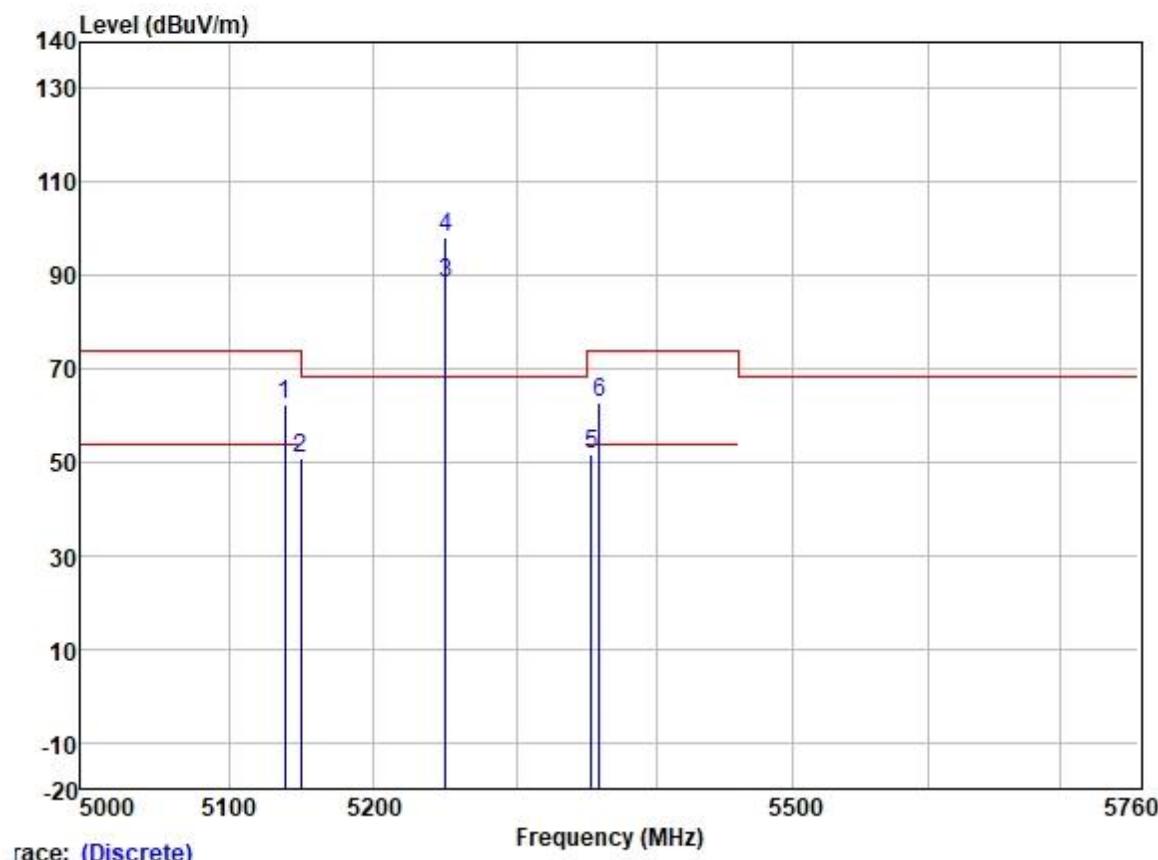
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|-------|--------|----------|-----------|-----------|
| | MHz | Level | Factor | Loss | Factor | Level | Line | dB | Line | dB | Pol/Phase |
| 1 | 5108.169 | 49.70 | 31.72 | 5.65 | 36.86 | 50.21 | 54.00 | -3.79 | VERTICAL | Average | |
| 2 | 5131.287 | 61.30 | 31.72 | 5.63 | 36.86 | 61.79 | 74.00 | -12.21 | VERTICAL | Peak | |
| 3 | 5290.000 | 91.56 | 31.76 | 6.00 | 36.87 | 92.45 | ----- | ----- | VERTICAL | Average | |
| 4 * | 5290.000 | 102.11 | 31.76 | 6.00 | 36.87 | 103.00 | 68.20 | 34.80 | VERTICAL | Peak | |
| 5 | 5351.758 | 50.48 | 31.77 | 6.05 | 36.88 | 51.42 | 54.00 | -2.58 | VERTICAL | Average | |
| 6 | 5352.676 | 61.63 | 31.77 | 6.05 | 36.88 | 62.57 | 74.00 | -11.43 | VERTICAL | Peak | |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|---------|-------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | | | |
| 1 5138.625 | 61.97 | 31.72 | 5.63 | 36.86 | 62.46 | 74.00 | -11.54 | HORIZONTAL | Peak | | | |
| 2 5149.209 | 50.23 | 31.72 | 5.62 | 36.86 | 50.71 | 54.00 | -3.29 | HORIZONTAL | Average | | | |
| 3 5250.000 | 87.79 | 31.75 | 5.77 | 36.87 | 88.44 | ----- | ----- | HORIZONTAL | Average | | | |
| 4 * 5250.000 | 97.50 | 31.75 | 5.77 | 36.87 | 98.15 | 68.20 | 29.95 | HORIZONTAL | Peak | | | |
| 5 5352.981 | 50.86 | 31.77 | 6.05 | 36.88 | 51.80 | 54.00 | -2.20 | HORIZONTAL | Average | | | |
| 6 5358.798 | 61.73 | 31.78 | 6.03 | 36.88 | 62.66 | 74.00 | -11.34 | HORIZONTAL | Peak | | | |

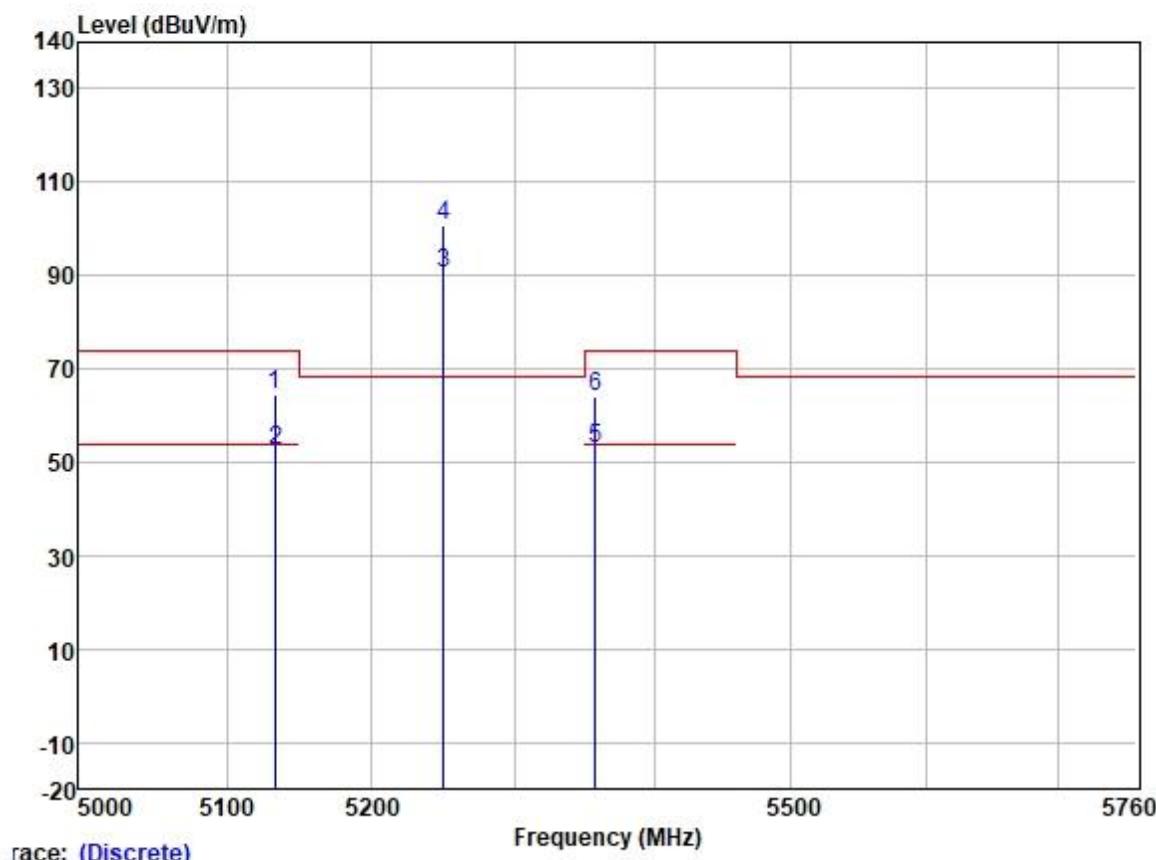
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中国·广州·经济技术开发区科学城科珠路198号 邮编: 510663 t (86-20) 82155555 f (86-20) 82075058 sgs.china@sgs.com

Test Mode: 20; Polarity: Vertical; Modulation:802.11ac; Bandwidth:160MHz; Channel:middle



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|-------|----------|-------|-----------|---------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB | dB |
| 1 5133.047 | 63.87 | 31.72 | 5.63 | 36.86 | 64.36 | 74.00 | -9.64 | VERTICAL | | | Peak |
| 2 5133.634 | 51.98 | 31.72 | 5.63 | 36.86 | 52.47 | 54.00 | -1.53 | VERTICAL | | | Average |
| 3 5250.000 | 90.03 | 31.75 | 5.77 | 36.87 | 90.68 | ----- | ----- | VERTICAL | | | Average |
| 4 * 5250.000 | 99.93 | 31.75 | 5.77 | 36.87 | 100.58 | 68.20 | 32.38 | VERTICAL | | | Peak |
| 5 5357.573 | 52.21 | 31.78 | 6.03 | 36.88 | 53.14 | 54.00 | -0.86 | VERTICAL | | | Average |
| 6 5357.879 | 63.12 | 31.78 | 6.03 | 36.88 | 64.05 | 74.00 | -9.95 | VERTICAL | | | Peak |

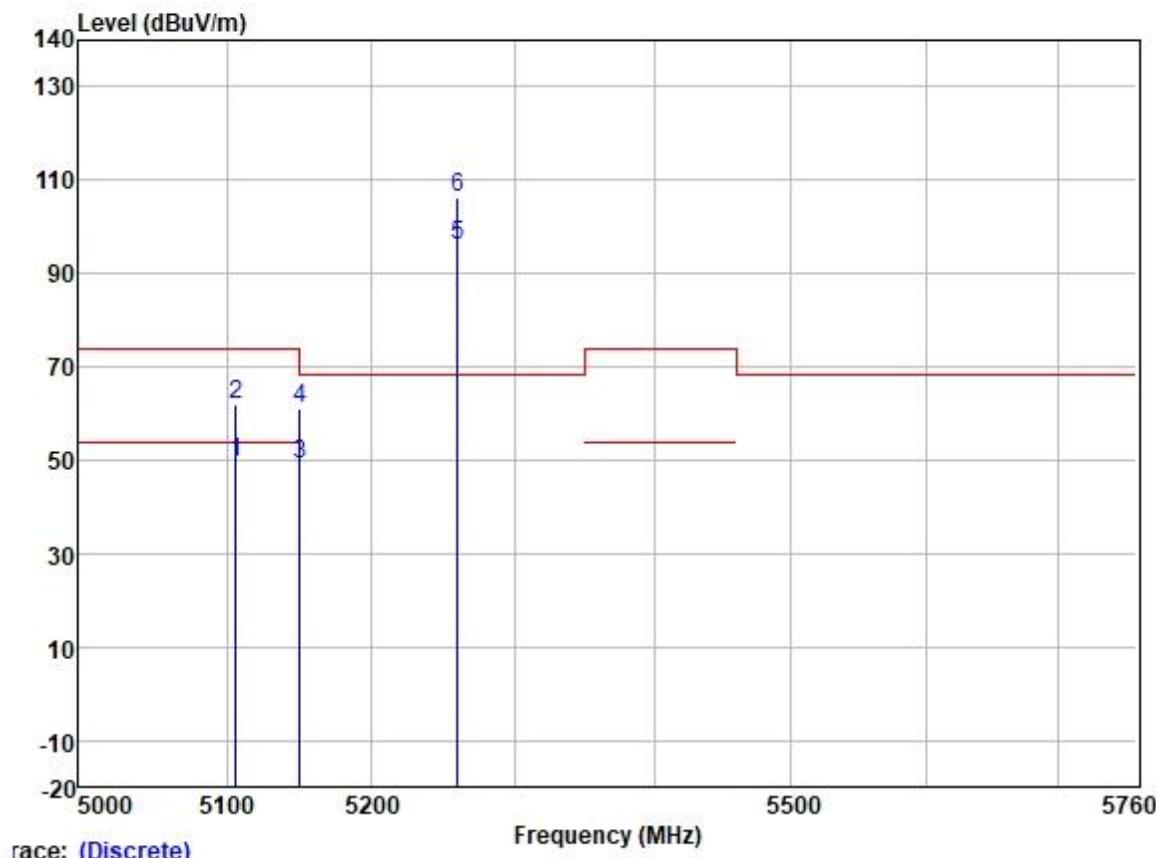
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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp Loss Factor | Level | Limit Line | Over Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|-----------------------|--------|---------------|---------------|------------|---------|
| | MHz | dBuV | Factor | dB | | | | | | |
| 1 | 5106.195 | 48.93 | 31.72 | 5.65 | 36.86 | 49.44 | 54.00 | -4.56 | HORIZONTAL | Average |
| 2 | 5106.195 | 61.58 | 31.72 | 5.65 | 36.86 | 62.09 | 74.00 | -11.91 | HORIZONTAL | Peak |
| 3 | 5149.980 | 48.55 | 31.72 | 5.62 | 36.86 | 49.03 | 54.00 | -4.97 | HORIZONTAL | Average |
| 4 | 5149.980 | 60.60 | 31.72 | 5.62 | 36.86 | 61.08 | 74.00 | -12.92 | HORIZONTAL | Peak |
| 5 | 5260.000 | 95.23 | 31.75 | 5.77 | 36.87 | 95.88 | ----- | ----- | HORIZONTAL | Average |
| 6 * | 5260.000 | 105.69 | 31.75 | 5.77 | 36.87 | 106.34 | 68.20 | 38.14 | HORIZONTAL | Peak |

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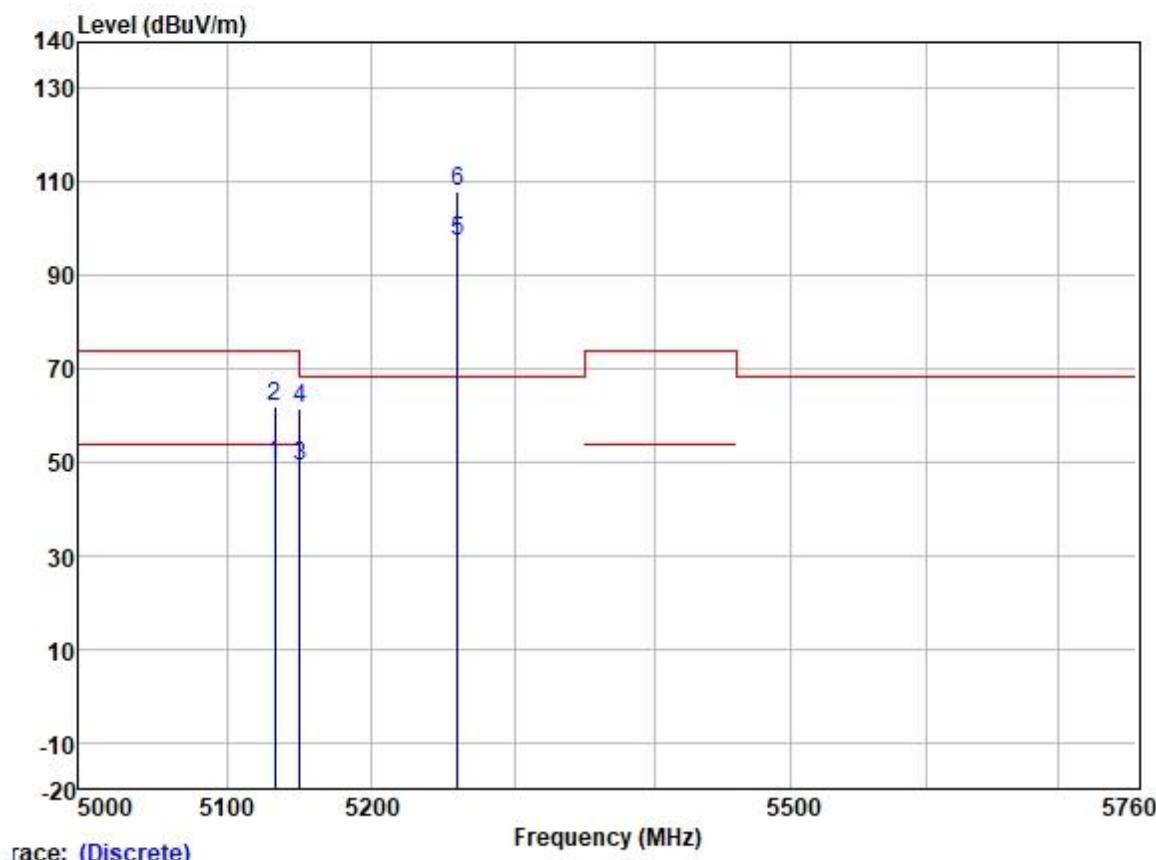


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Test Mode: 20; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:Low



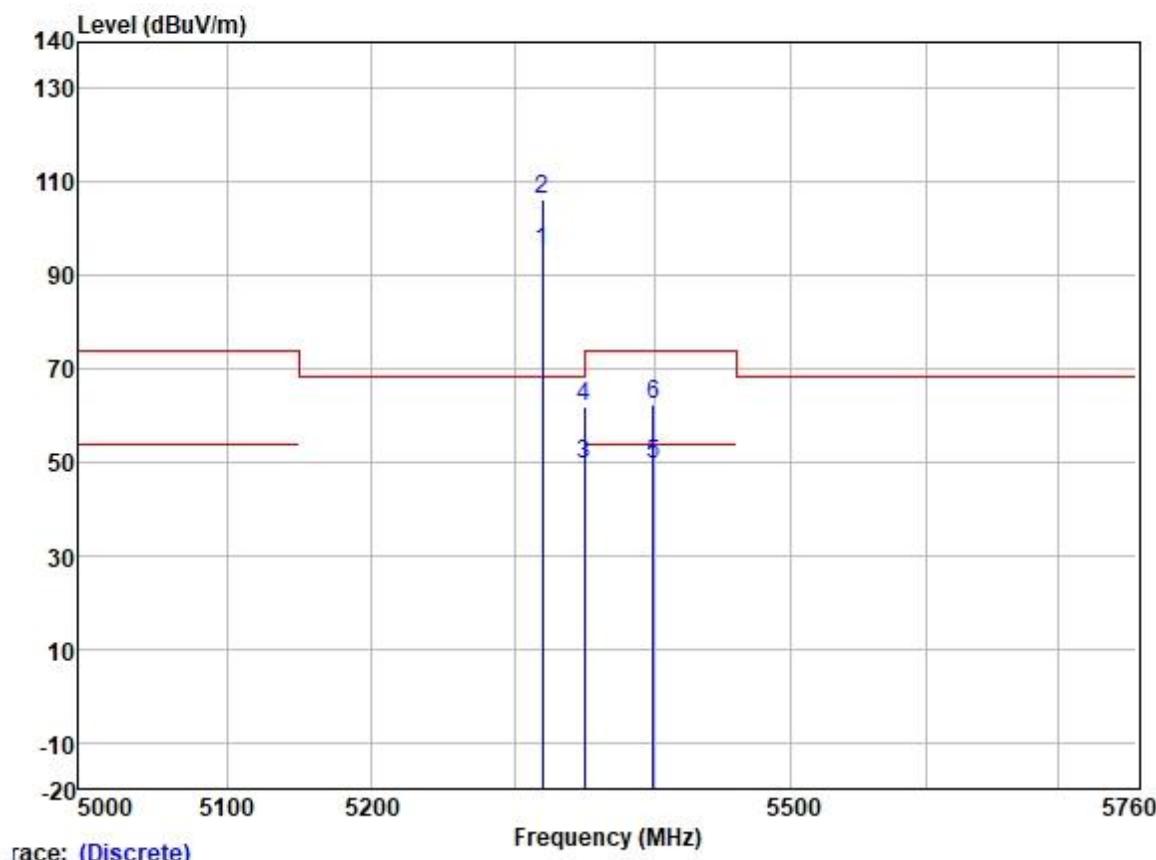
| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|-----------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | | |
| 1 5133.187 | 49.07 | 31.72 | 5.63 | 36.86 | 49.56 | 54.00 | -4.44 | VERTICAL | Average | |
| 2 5133.187 | 61.52 | 31.72 | 5.63 | 36.86 | 62.01 | 74.00 | -11.99 | VERTICAL | Peak | |
| 3 5149.980 | 48.57 | 31.72 | 5.62 | 36.86 | 49.05 | 54.00 | -4.95 | VERTICAL | Average | |
| 4 5149.980 | 60.99 | 31.72 | 5.62 | 36.86 | 61.47 | 74.00 | -12.53 | VERTICAL | Peak | |
| 5 5260.000 | 96.61 | 31.75 | 5.77 | 36.87 | 97.26 | ----- | ----- | VERTICAL | Average | |
| 6 * 5260.000 | 107.49 | 31.75 | 5.77 | 36.87 | 108.14 | 68.20 | 39.94 | VERTICAL | Peak | |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:20MHz; Channel:High

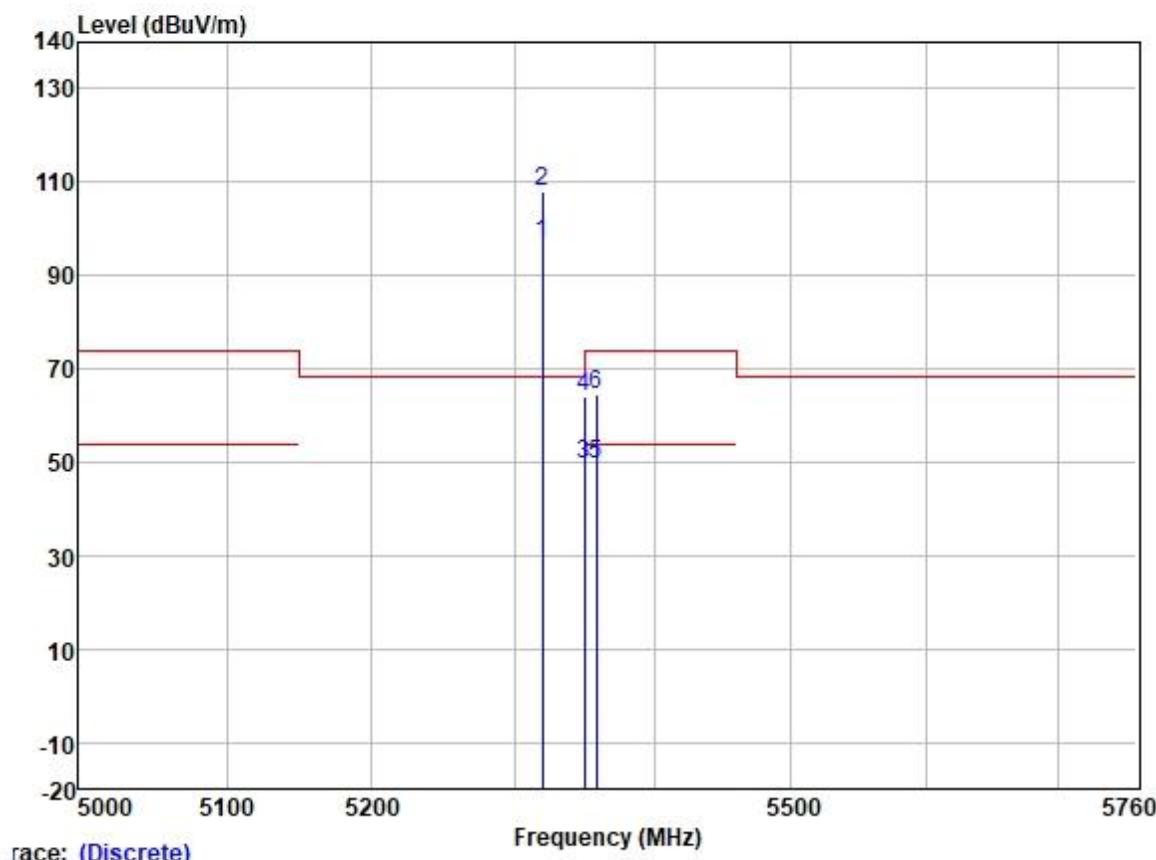


| Race: (Discrete) | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|------------------|-------------|--------|--------|------|--------|--------|------------|-----------|------------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5320.000 | 94.07 | 31.77 | 6.08 | 36.88 | 95.04 | ----- | ----- | HORIZONTAL | Average |
| 2 * | 5320.000 | 105.36 | 31.77 | 6.08 | 36.88 | 106.33 | 68.20 | 38.13 | HORIZONTAL | Peak |
| 3 | 5350.020 | 48.46 | 31.77 | 6.05 | 36.88 | 49.40 | 54.00 | -4.60 | HORIZONTAL | Average |
| 4 | 5350.020 | 60.96 | 31.77 | 6.05 | 36.88 | 61.90 | 74.00 | -12.10 | HORIZONTAL | Peak |
| 5 | 5399.192 | 48.84 | 31.78 | 6.00 | 36.88 | 49.74 | 54.00 | -4.26 | HORIZONTAL | Average |
| 6 | 5399.192 | 61.52 | 31.78 | 6.00 | 36.88 | 62.42 | 74.00 | -11.58 | HORIZONTAL | Peak |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11ax; Bandwidth:20MHz; Channel:High



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|-------|--------|--------|--------|-------|--------|----------|----------|-----------|---------|
| | MHz | dBuV | Level | Factor | Loss | Factor | | | | | | |
| | | | | | | | | | | | | |
| 1 | 5320.000 | 95.92 | 31.77 | 6.08 | 36.88 | 96.89 | ----- | ----- | ----- | ----- | ----- | Average |
| 2 * | 5320.000 | 106.94 | 31.77 | 6.08 | 36.88 | 107.91 | 68.20 | 39.71 | VERTICAL | VERTICAL | VERTICAL | Peak |
| 3 | 5350.020 | 48.64 | 31.77 | 6.05 | 36.88 | 49.58 | 54.00 | -4.42 | VERTICAL | VERTICAL | VERTICAL | Average |
| 4 | 5350.020 | 62.91 | 31.77 | 6.05 | 36.88 | 63.85 | 74.00 | -10.15 | VERTICAL | VERTICAL | VERTICAL | Peak |
| 5 | 5358.273 | 48.79 | 31.78 | 6.03 | 36.88 | 49.72 | 54.00 | -4.28 | VERTICAL | VERTICAL | VERTICAL | Average |
| 6 | 5358.273 | 63.35 | 31.78 | 6.03 | 36.88 | 64.28 | 74.00 | -9.72 | VERTICAL | VERTICAL | VERTICAL | Peak |

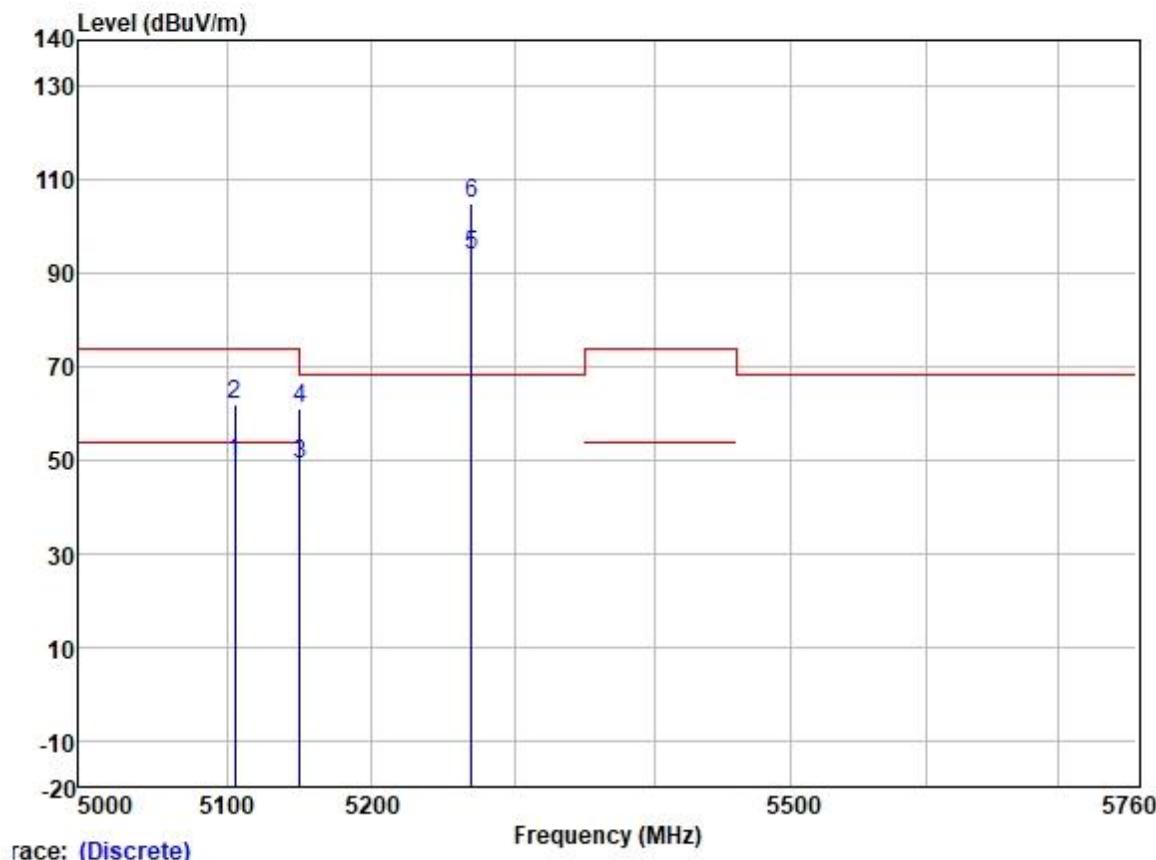
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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low

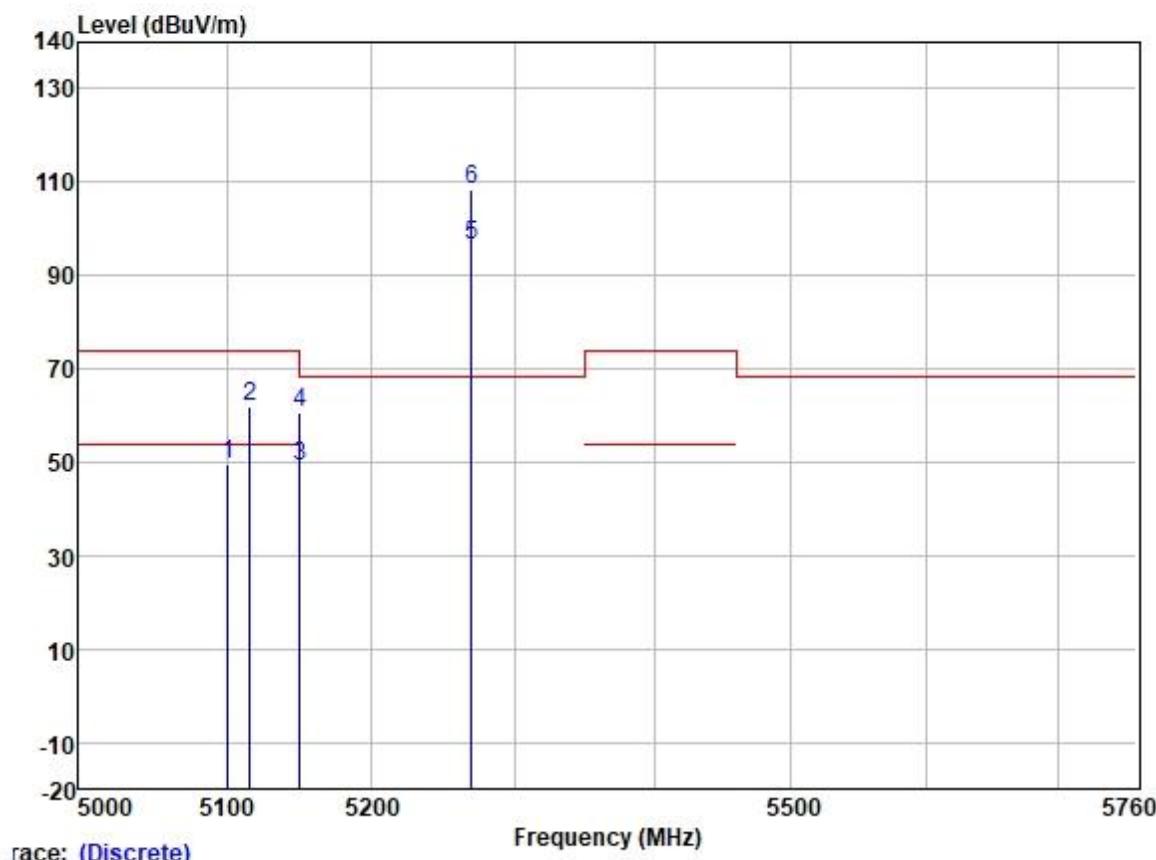


| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB |
| 1 5105.692 | 48.97 | 31.72 | 5.65 | 36.86 | 49.48 | 54.00 | -4.52 | HORIZONTAL | Average | |
| 2 5105.692 | 61.58 | 31.72 | 5.65 | 36.86 | 62.09 | 74.00 | -11.91 | HORIZONTAL | Peak | |
| 3 5149.980 | 48.54 | 31.72 | 5.62 | 36.86 | 49.02 | 54.00 | -4.98 | HORIZONTAL | Average | |
| 4 5149.980 | 60.41 | 31.72 | 5.62 | 36.86 | 60.89 | 74.00 | -13.11 | HORIZONTAL | Peak | |
| 5 5270.000 | 93.31 | 31.75 | 5.80 | 36.87 | 93.99 | ----- | ----- | HORIZONTAL | Average | |
| 6 * 5270.000 | 104.37 | 31.75 | 5.80 | 36.87 | 105.05 | 68.20 | 36.85 | HORIZONTAL | Peak | |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:Low



Trace: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|----------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | Line | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 5100.785 | 48.91 | 31.72 | 5.65 | 36.86 | 49.42 | 54.00 | -4.58 | VERTICAL | Average | |
| 2 5115.718 | 61.31 | 31.72 | 5.64 | 36.86 | 61.81 | 74.00 | -12.19 | VERTICAL | Peak | |
| 3 5149.980 | 48.51 | 31.72 | 5.62 | 36.86 | 48.99 | 54.00 | -5.01 | VERTICAL | Average | |
| 4 5149.980 | 59.95 | 31.72 | 5.62 | 36.86 | 60.43 | 74.00 | -13.57 | VERTICAL | Peak | |
| 5 5270.000 | 95.85 | 31.75 | 5.80 | 36.87 | 96.53 | ----- | ----- | VERTICAL | Average | |
| 6 * 5270.000 | 107.61 | 31.75 | 5.80 | 36.87 | 108.29 | 68.20 | 40.09 | VERTICAL | Peak | |

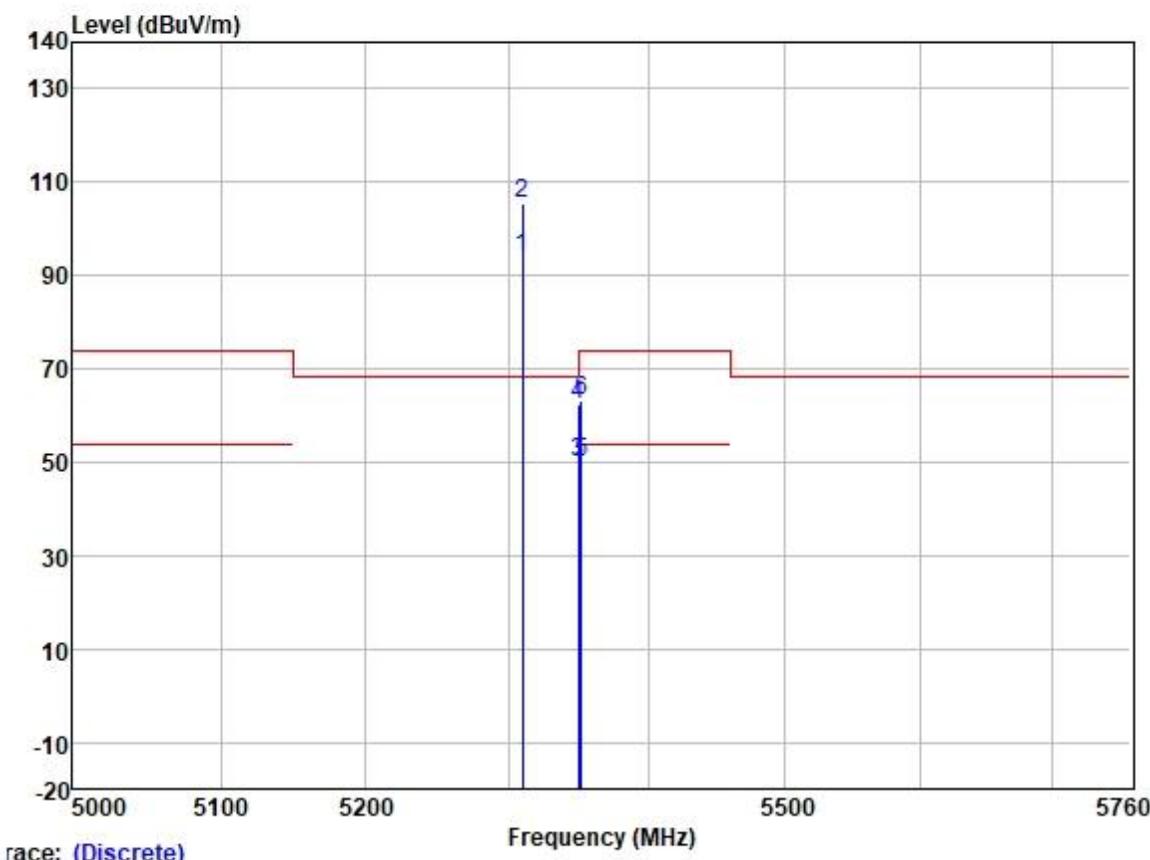
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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:40MHz; Channel:High



| Race: (Discrete) | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------------------|-------------|--------|--------|------|--------|--------|--------|--------|------------|---------|-----------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | | | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | | |
| 1 | 5310.000 | 92.90 | 31.77 | 6.08 | 36.87 | 93.88 | ----- | ----- | HORIZONTAL | ----- | Average | |
| 2 * | 5310.000 | 104.41 | 31.77 | 6.08 | 36.87 | 105.39 | 68.20 | 37.19 | HORIZONTAL | Peak | | |
| 3 | 5350.020 | 49.23 | 31.77 | 6.05 | 36.88 | 50.17 | 54.00 | -3.83 | HORIZONTAL | Average | | |
| 4 | 5350.020 | 61.21 | 31.77 | 6.05 | 36.88 | 62.15 | 74.00 | -11.85 | HORIZONTAL | Peak | | |
| 5 | 5352.157 | 49.11 | 31.77 | 6.05 | 36.88 | 50.05 | 54.00 | -3.95 | HORIZONTAL | Average | | |
| 6 | 5352.157 | 62.30 | 31.77 | 6.05 | 36.88 | 63.24 | 74.00 | -10.76 | HORIZONTAL | Peak | | |

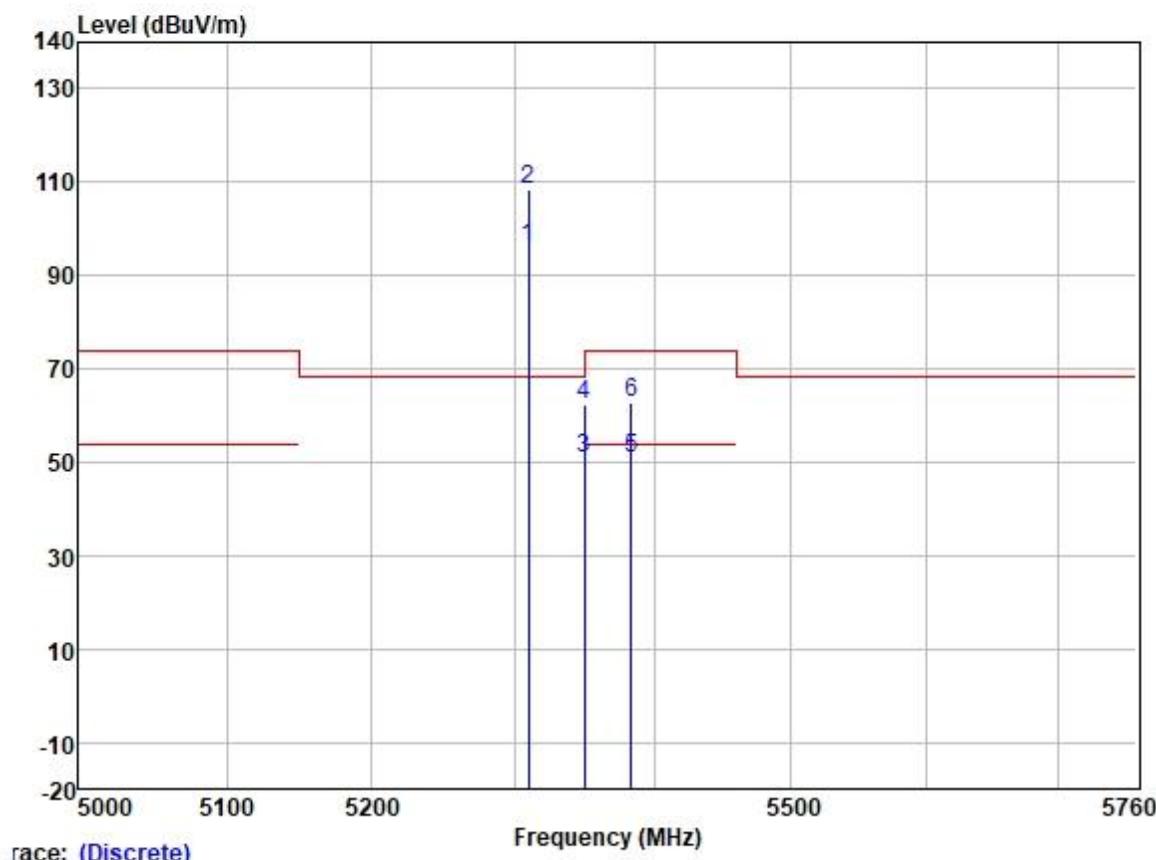
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Test Mode: 20; Polarity: Vertical; Modulation:802.11ax; Bandwidth:40MHz; Channel:High

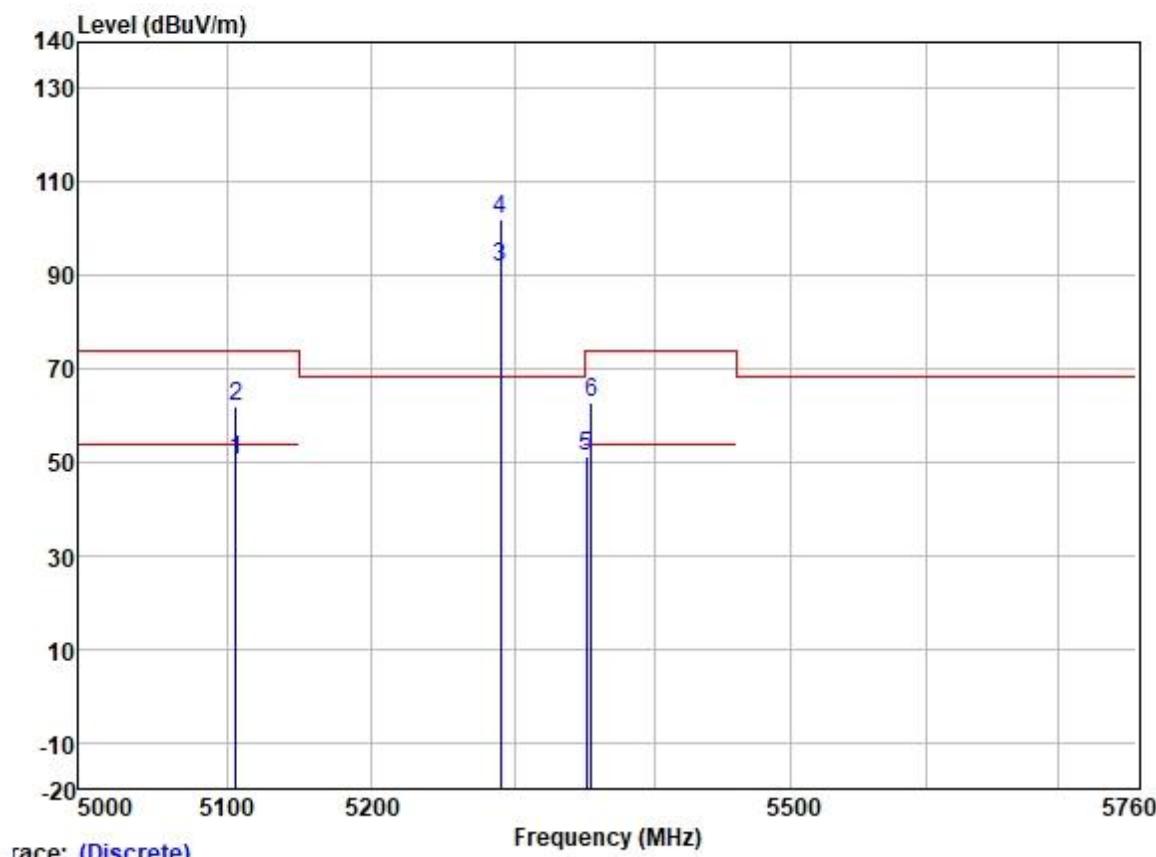


| Trace: (Discrete) | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Limit | Pol/Phase | Remark |
|-------------------|-------------|--------|--------|------|--------|--------|------------|------------|-----------|---------|
| | Freq | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 | 5310.000 | 95.21 | 31.77 | 6.08 | 36.87 | 96.19 | ----- | ----- | VERTICAL | Average |
| 2 * | 5310.000 | 107.31 | 31.77 | 6.08 | 36.87 | 108.29 | 68.20 | 40.09 | VERTICAL | Peak |
| 3 | 5350.020 | 49.88 | 31.77 | 6.05 | 36.88 | 50.82 | 54.00 | -3.18 | VERTICAL | Average |
| 4 | 5350.020 | 61.33 | 31.77 | 6.05 | 36.88 | 62.27 | 74.00 | -11.73 | VERTICAL | Peak |
| 5 | 5383.158 | 50.03 | 31.78 | 6.02 | 36.88 | 50.95 | 54.00 | -3.05 | VERTICAL | Average |
| 6 | 5383.158 | 61.88 | 31.78 | 6.02 | 36.88 | 62.80 | 74.00 | -11.20 | VERTICAL | Peak |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



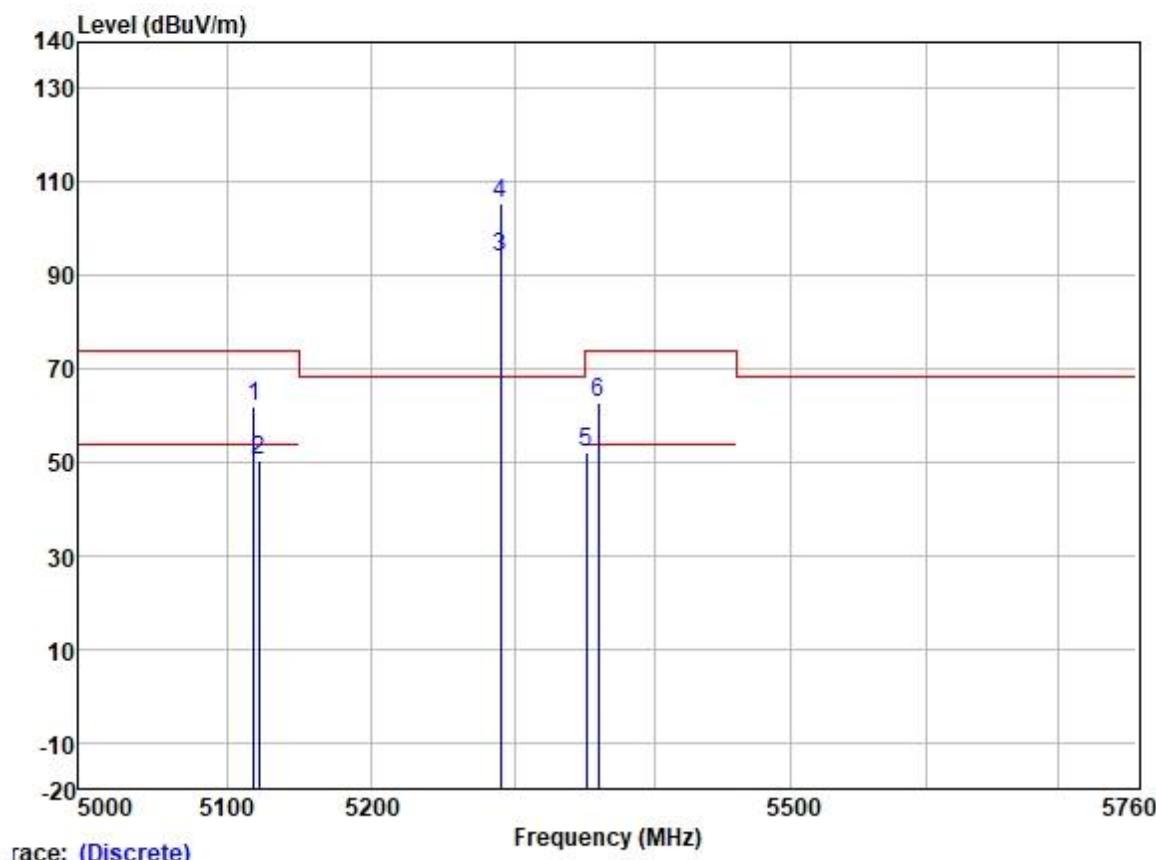
Trace: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | Line | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 5106.417 | 49.72 | 31.72 | 5.65 | 36.86 | 50.23 | 54.00 | -3.77 | HORIZONTAL | Average | |
| 2 5106.417 | 61.40 | 31.72 | 5.65 | 36.86 | 61.91 | 74.00 | -12.09 | HORIZONTAL | Peak | |
| 3 5290.000 | 90.73 | 31.76 | 6.00 | 36.87 | 91.62 | ----- | ----- | HORIZONTAL | Average | |
| 4 * 5290.000 | 101.31 | 31.76 | 6.00 | 36.87 | 102.20 | 68.20 | 34.00 | HORIZONTAL | Peak | |
| 5 5351.146 | 50.24 | 31.77 | 6.05 | 36.88 | 51.18 | 54.00 | -2.82 | HORIZONTAL | Average | |
| 6 5354.818 | 61.84 | 31.78 | 6.03 | 36.88 | 62.77 | 74.00 | -11.23 | HORIZONTAL | Peak | |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11ax; Bandwidth:80MHz; Channel:middle



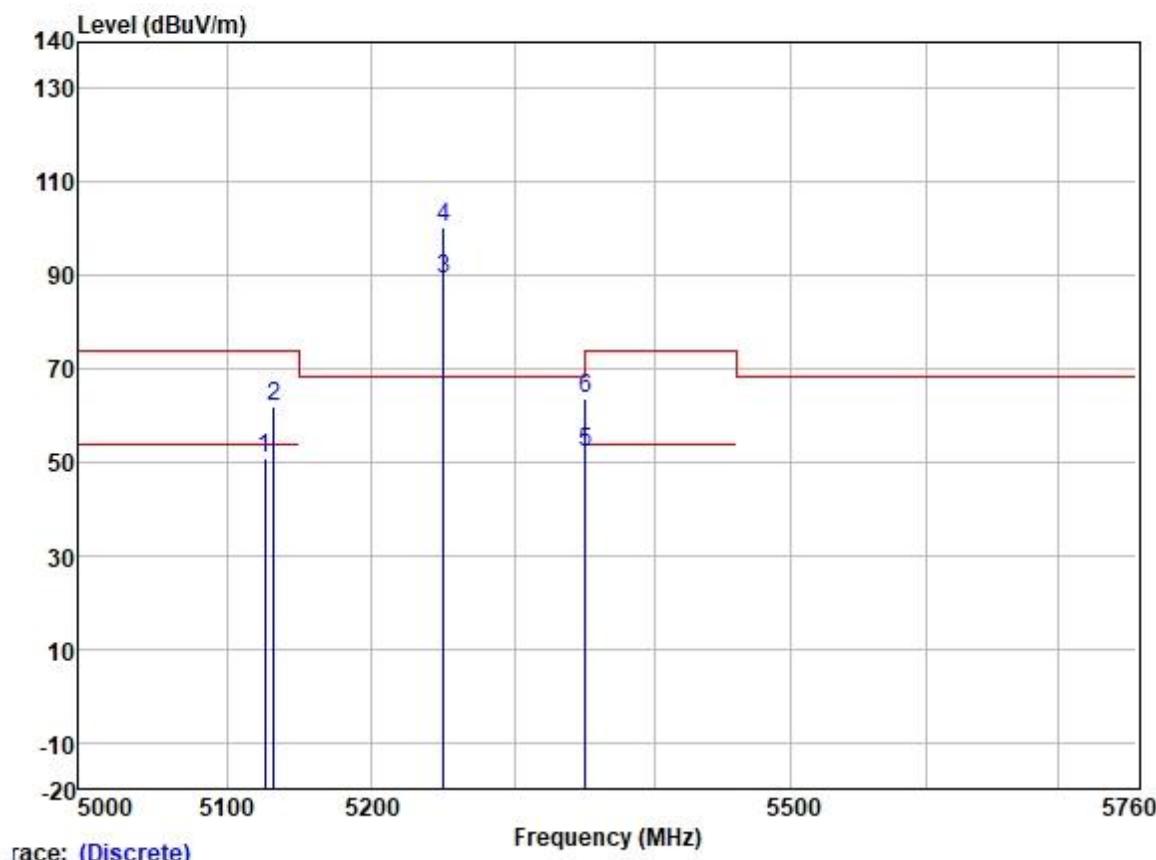
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|--------|--------|----------|-------|-----------|---------|
| | MHz | Level | Factor | Loss | Factor | dB | dBuV/m | dBuV/m | dB | | | |
| 1 | 5118.690 | 61.37 | 31.72 | 5.64 | 36.86 | 61.87 | 74.00 | -12.13 | VERTICAL | | | Peak |
| 2 | 5122.203 | 49.97 | 31.72 | 5.64 | 36.86 | 50.47 | 54.00 | -3.53 | VERTICAL | | | Average |
| 3 | 5290.000 | 93.08 | 31.76 | 6.00 | 36.87 | 93.97 | ----- | ----- | VERTICAL | | | Average |
| 4 * | 5290.000 | 104.45 | 31.76 | 6.00 | 36.87 | 105.34 | 68.20 | 37.14 | VERTICAL | | | Peak |
| 5 | 5351.452 | 50.99 | 31.77 | 6.05 | 36.88 | 51.93 | 54.00 | -2.07 | VERTICAL | | | Average |
| 6 | 5359.717 | 61.71 | 31.78 | 6.03 | 36.88 | 62.64 | 74.00 | -11.36 | VERTICAL | | | Peak |

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Test Mode: 20; Polarity: Horizontal; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



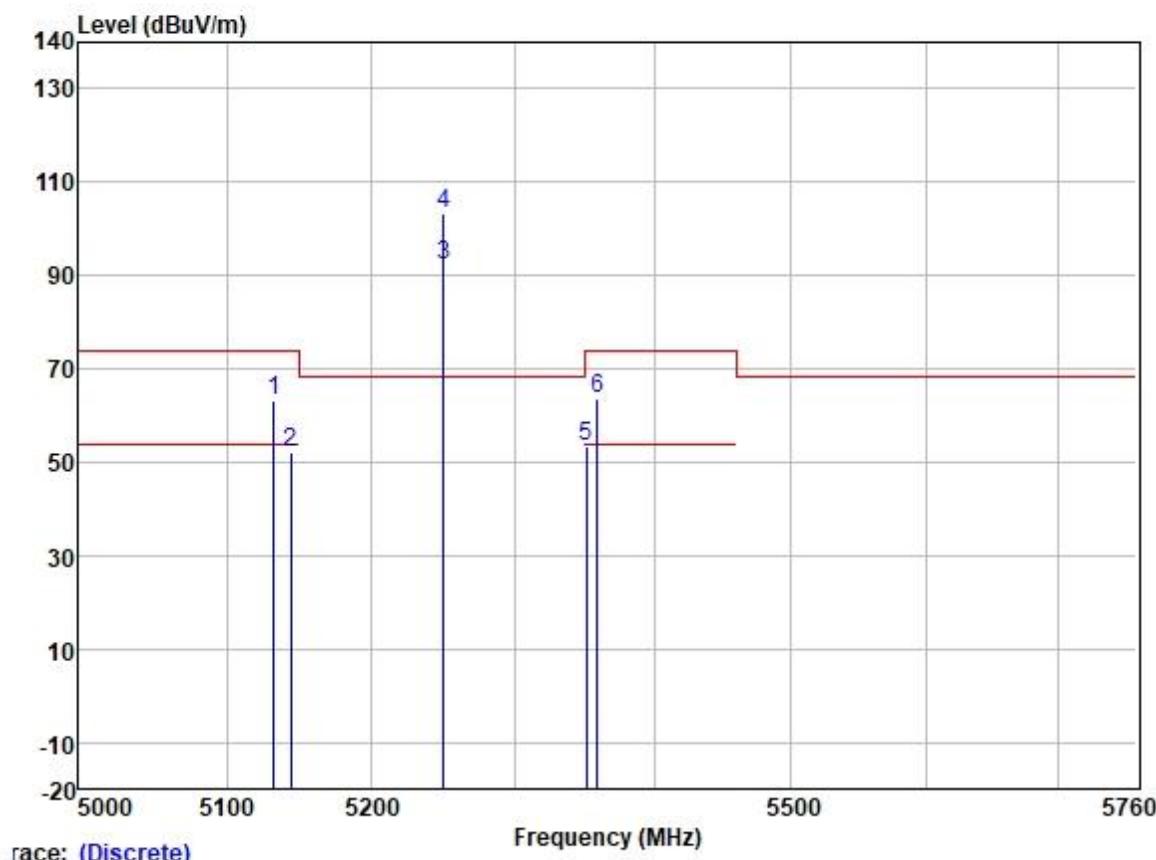
Trace: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | Level | dBuV/m | dBuV/m | dB | | |
| 1 5125.717 | 50.37 | 31.72 | 5.64 | 36.86 | 50.87 | 54.00 | -3.13 | HORIZONTAL | Average | |
| 2 5132.460 | 61.60 | 31.72 | 5.63 | 36.86 | 62.09 | 74.00 | -11.91 | HORIZONTAL | Peak | |
| 3 5250.000 | 88.73 | 31.75 | 5.77 | 36.87 | 89.38 | ----- | ----- | HORIZONTAL | Average | |
| 4 * 5250.000 | 99.82 | 31.75 | 5.77 | 36.87 | 100.47 | 68.20 | 32.27 | HORIZONTAL | Peak | |
| 5 5350.535 | 51.25 | 31.77 | 6.05 | 36.88 | 52.19 | 54.00 | -1.81 | HORIZONTAL | Average | |
| 6 5350.580 | 62.73 | 31.77 | 6.05 | 36.88 | 63.67 | 74.00 | -10.33 | HORIZONTAL | Peak | |

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Test Mode: 20; Polarity: Vertical; Modulation:802.11ax; Bandwidth:160MHz; Channel:middle



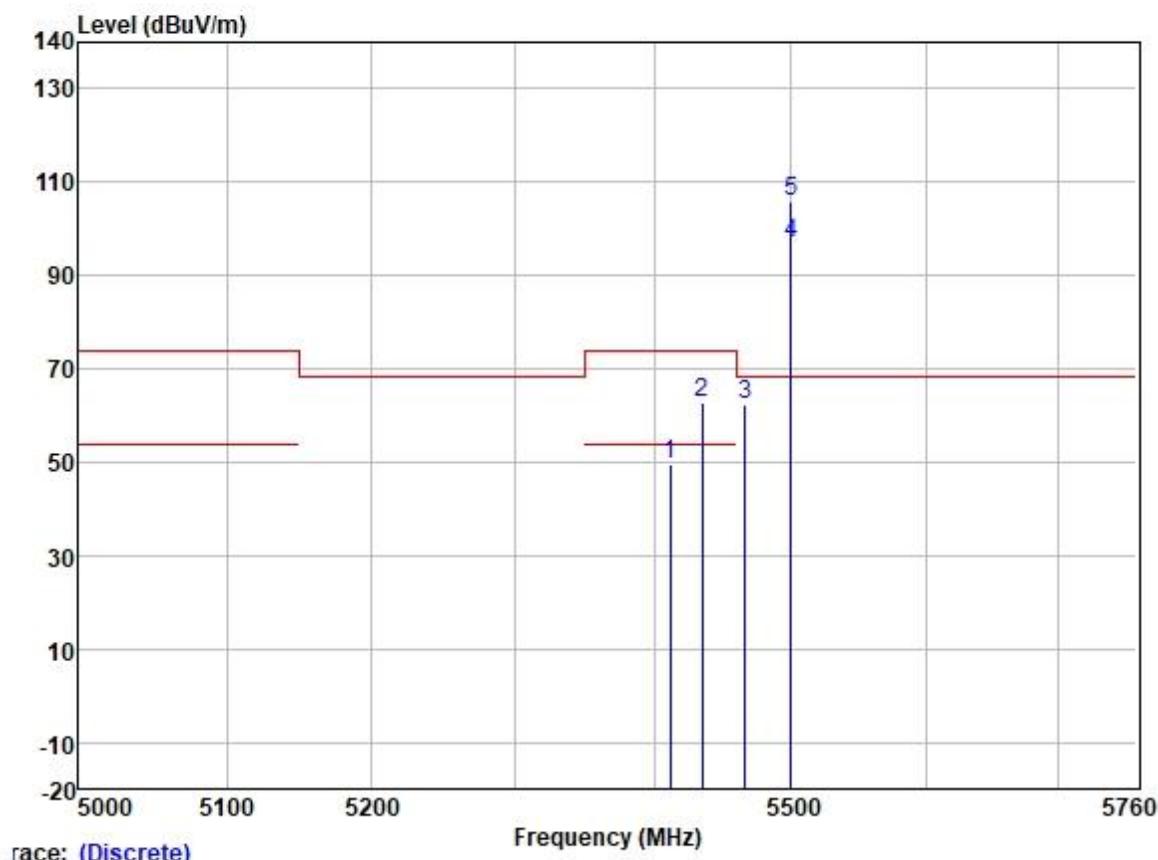
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|-------|--------|----------|-------|-----------|--------|
| | MHz | Level | Factor | Loss | Factor | Level | dBuV | dBuV/m | dB | | | |
| 1 | 5132.167 | 62.68 | 31.72 | 5.63 | 36.86 | 63.17 | 74.00 | -10.83 | VERTICAL | | Peak | |
| 2 | 5143.914 | 51.71 | 31.72 | 5.62 | 36.86 | 52.19 | 54.00 | -1.81 | VERTICAL | | Average | |
| 3 | 5250.000 | 91.55 | 31.75 | 5.77 | 36.87 | 92.20 | ----- | ----- | VERTICAL | | Average | |
| 4 * | 5250.000 | 102.85 | 31.75 | 5.77 | 36.87 | 103.50 | 68.20 | 35.30 | VERTICAL | | Peak | |
| 5 | 5351.452 | 52.60 | 31.77 | 6.05 | 36.88 | 53.54 | 54.00 | -0.46 | VERTICAL | | Average | |
| 6 | 5359.104 | 62.86 | 31.78 | 6.03 | 36.88 | 63.79 | 74.00 | -10.21 | VERTICAL | | Peak | |

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Test Mode: 22; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:Low

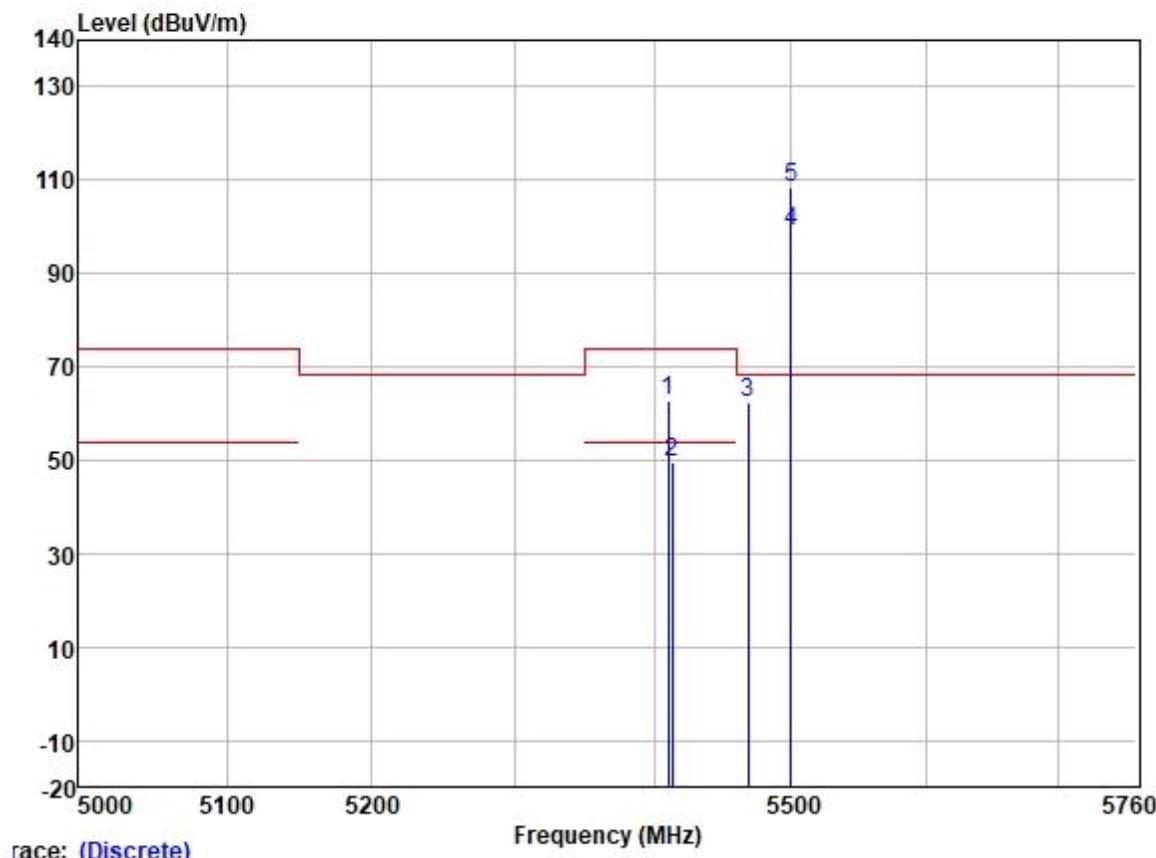


| Freq | ReadAntenna | | Cable | | Preamp | Limit | Over | Line | Limit | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|---------|-----------|--------|
| | Level | Factor | Loss | Factor | | | | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | | |
| 1 5411.525 | 48.78 | 31.79 | 6.06 | 36.88 | 49.75 | 54.00 | -4.25 | HORIZONTAL | Average | | |
| 2 5434.648 | 61.60 | 31.79 | 6.20 | 36.88 | 62.71 | 74.00 | -11.29 | HORIZONTAL | Peak | | |
| 3 5466.274 | 61.24 | 31.80 | 6.31 | 36.88 | 62.47 | 68.20 | -5.73 | HORIZONTAL | Peak | | |
| 4 5500.000 | 95.45 | 31.80 | 6.40 | 36.88 | 96.77 | ----- | ----- | HORIZONTAL | Average | | |
| 5 * 5500.000 | 104.42 | 31.80 | 6.40 | 36.88 | 105.74 | 68.20 | 37.54 | HORIZONTAL | Peak | | |

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Test Mode: 22; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:Low



Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|-----------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 5410.098 | 61.90 | 31.79 | 6.06 | 36.88 | 62.87 | 74.00 | -11.13 | VERTICAL | Peak | |
| 2 5413.190 | 48.78 | 31.79 | 6.06 | 36.88 | 49.75 | 54.00 | -4.25 | VERTICAL | Average | |
| 3 5467.957 | 61.02 | 31.80 | 6.31 | 36.88 | 62.25 | 68.20 | -5.95 | VERTICAL | Peak | |
| 4 5500.000 | 97.72 | 31.80 | 6.40 | 36.88 | 99.04 | ----- | ----- | VERTICAL | Average | |
| 5 * 5500.000 | 106.93 | 31.80 | 6.40 | 36.88 | 108.25 | 68.20 | 40.05 | VERTICAL | Peak | |

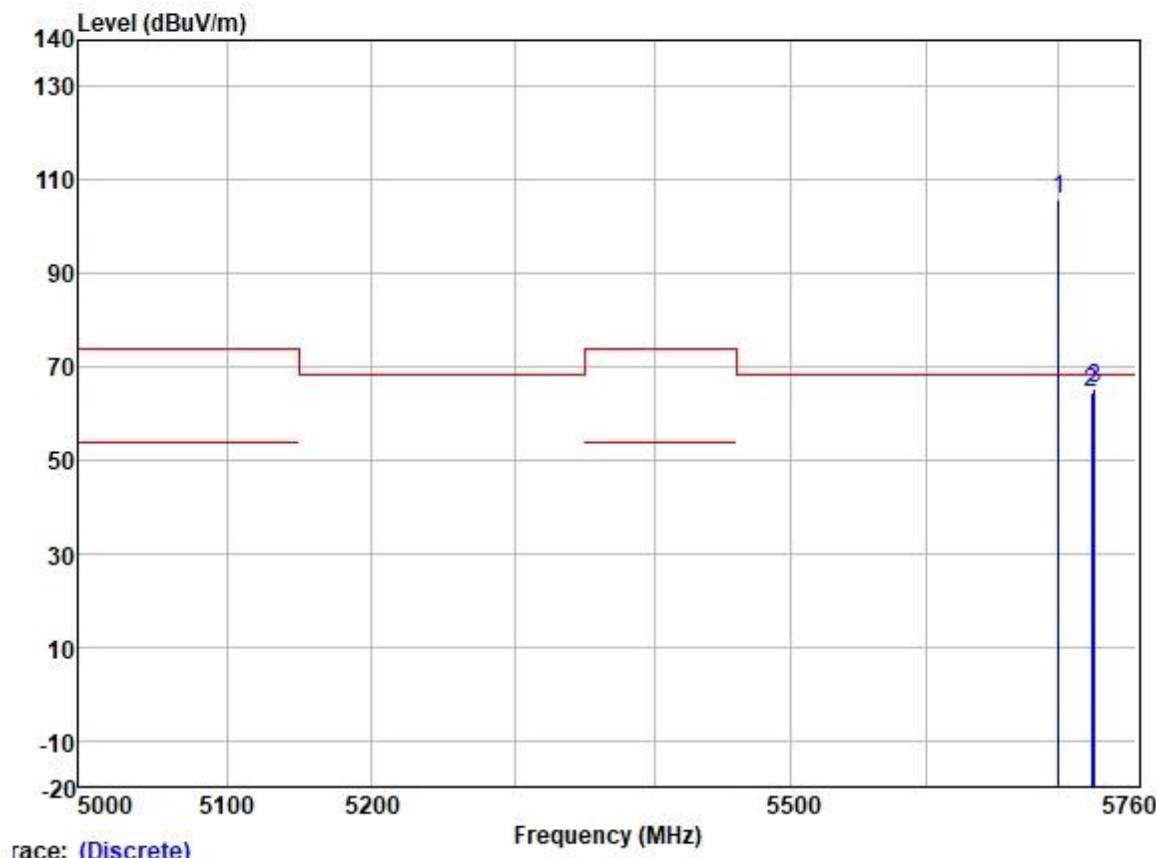
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11a; Bandwidth:20MHz; Channel:140



| Freq | ReadAntenna | | Cable | | Preamp | | Limit | Over | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|--------|------------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | dBuV/m | dB | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 * 5700.000 | 104.41 | 32.01 | 6.40 | 36.89 | 105.93 | 68.20 | 37.73 | HORIZONTAL | Peak | |
| 2 5725.000 | 62.88 | 32.07 | 6.25 | 36.89 | 64.31 | 68.20 | -3.89 | HORIZONTAL | Peak | |
| 3 5727.282 | 63.88 | 32.07 | 6.25 | 36.89 | 65.31 | 68.20 | -2.89 | HORIZONTAL | Peak | |

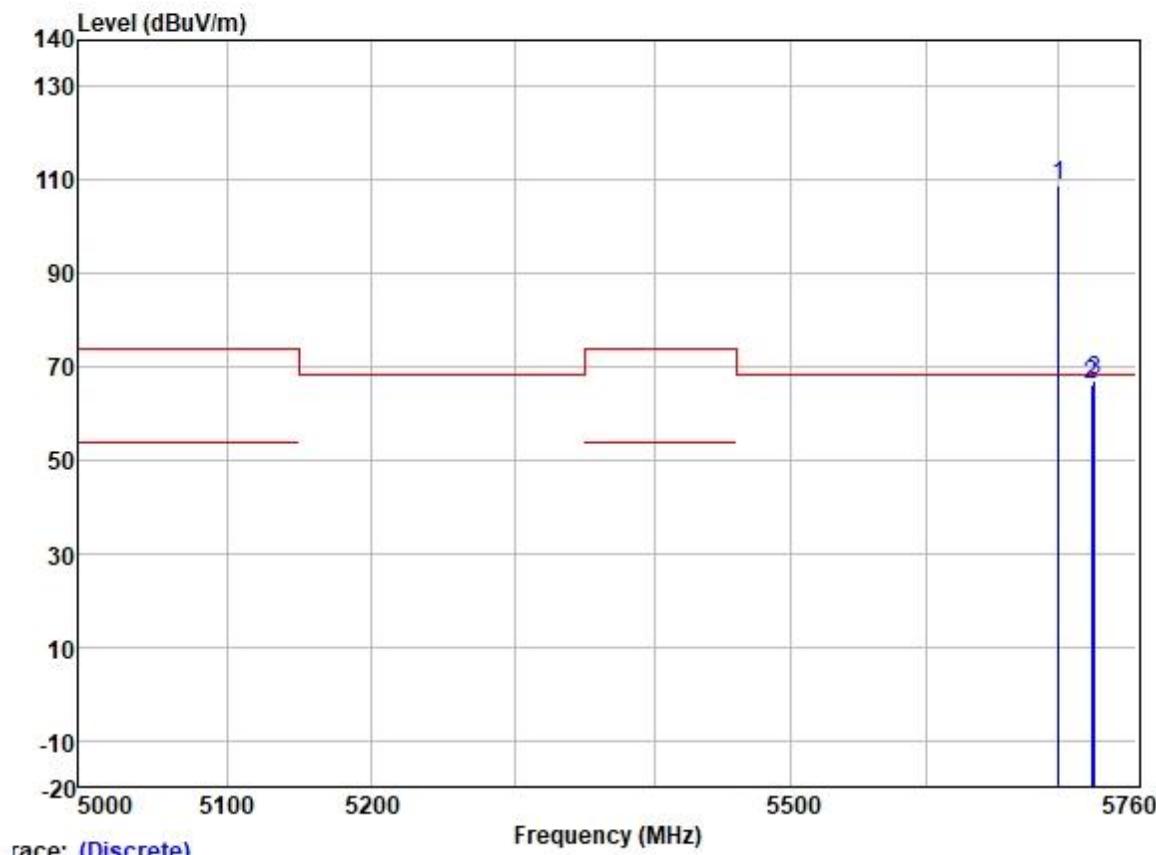
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Test Mode: 22; Polarity: Vertical; Modulation:802.11a; Bandwidth:20MHz; Channel:140



| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|--------------|-------------|--------|-------|--------|--------|--------|------------|-----------|-----------|--------|
| | Level | Factor | Loss | Factor | Level | dBuV/m | | | | |
| MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | dB | dB | dB |
| 1 * 5700.000 | 107.51 | 32.01 | 6.40 | 36.89 | 109.03 | 68.20 | 40.83 | VERTICAL | Peak | |
| 2 5725.000 | 64.67 | 32.07 | 6.25 | 36.89 | 66.10 | 68.20 | -2.10 | VERTICAL | Peak | |
| 3 5727.282 | 65.48 | 32.07 | 6.25 | 36.89 | 66.91 | 68.20 | -1.29 | VERTICAL | Peak | |

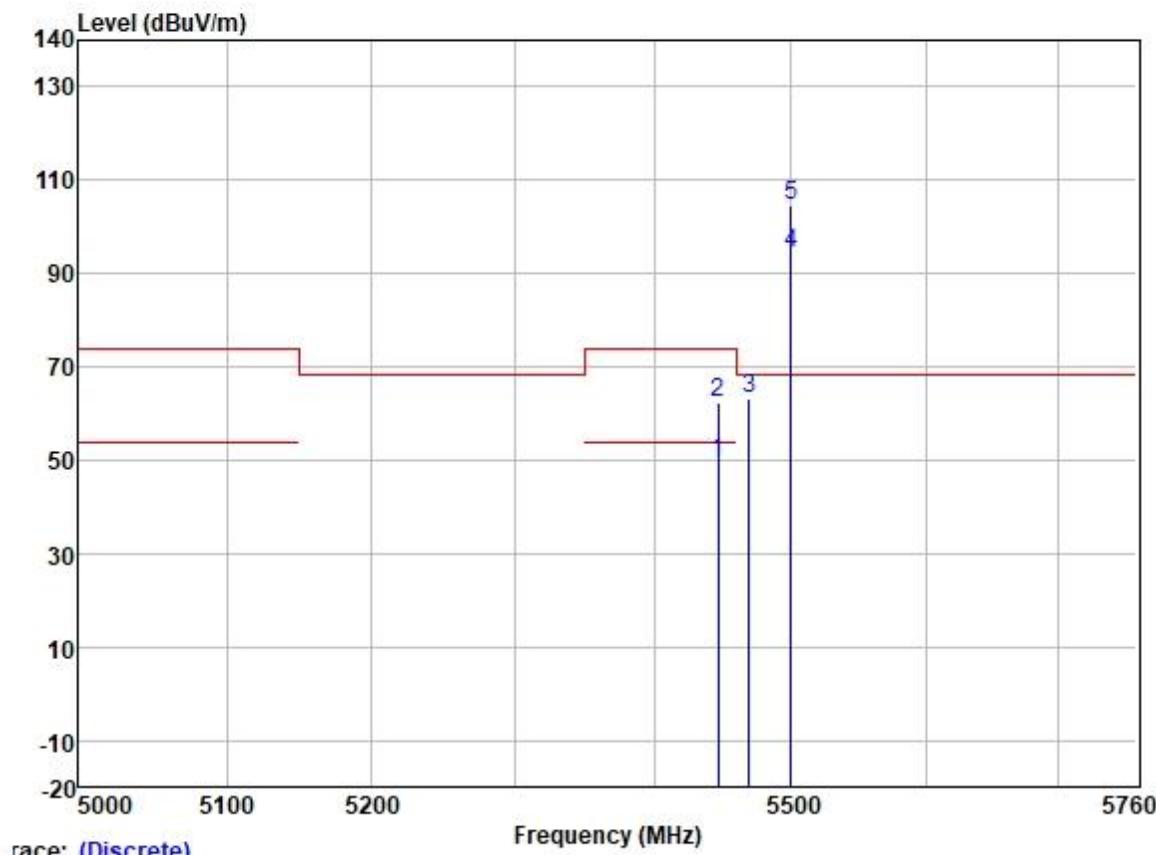
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Test Mode: 22; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:Low

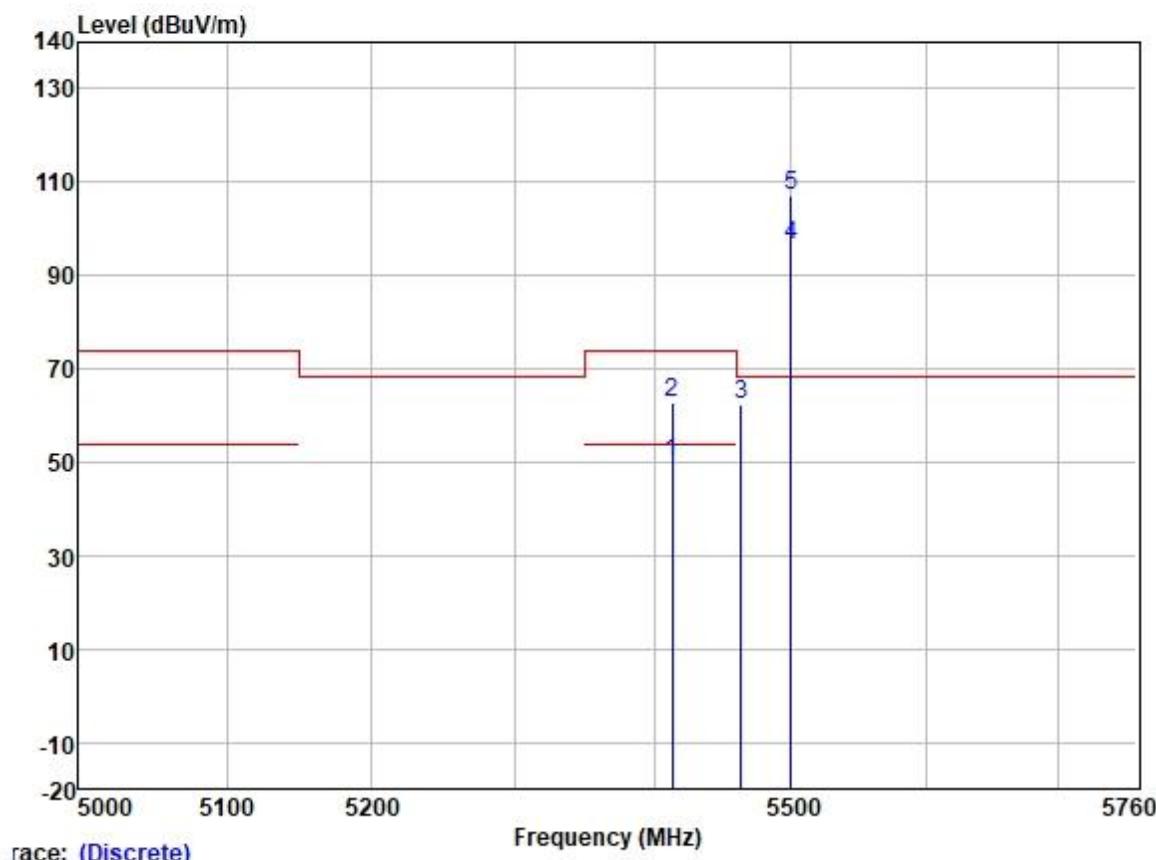


| Freq | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Line | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|------------|-----------|------------|---------|
| | MHz | Level | Factor | Loss | Factor | Level | | | | |
| | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | | |
| 1 | 5446.486 | 48.61 | 31.79 | 6.20 | 36.88 | 49.72 | 54.00 | -4.28 | HORIZONTAL | Average |
| 2 | 5446.486 | 61.41 | 31.79 | 6.20 | 36.88 | 62.52 | 74.00 | -11.48 | HORIZONTAL | Peak |
| 3 | 5468.918 | 62.02 | 31.80 | 6.31 | 36.88 | 63.25 | 68.20 | -4.95 | HORIZONTAL | Peak |
| 4 | 5500.000 | 93.07 | 31.80 | 6.40 | 36.88 | 94.39 | ----- | ----- | HORIZONTAL | Average |
| 5 * | 5500.000 | 103.18 | 31.80 | 6.40 | 36.88 | 104.50 | 68.20 | 36.30 | HORIZONTAL | Peak |

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Test Mode: 22; Polarity: Vertical; Modulation:802.11n; Bandwidth:20MHz; Channel:Low



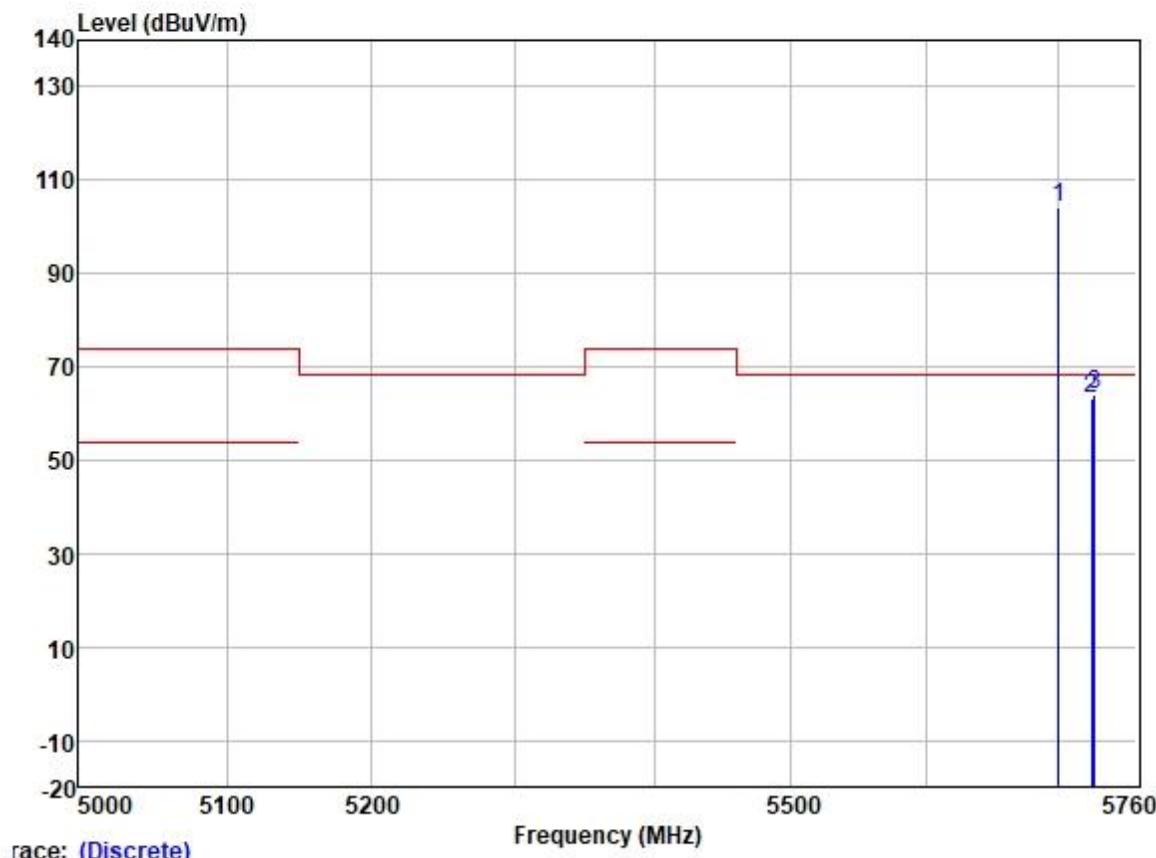
Race: (Discrete)

| Freq | ReadAntenna | | Cable | | Preamp | Limit | Over | Line | Limit | Pol/Phase | Remark |
|------|-------------|--------|--------|------|--------|--------|-------|--------|----------|-----------|--------|
| | MHz | Level | Factor | Loss | | | | | | | |
| 1 | 5413.190 | 48.81 | 31.79 | 6.06 | 36.88 | 49.78 | 54.00 | -4.22 | VERTICAL | Average | |
| 2 | 5413.190 | 61.72 | 31.79 | 6.06 | 36.88 | 62.69 | 74.00 | -11.31 | VERTICAL | Peak | |
| 3 | 5463.031 | 61.13 | 31.79 | 6.26 | 36.88 | 62.30 | 68.20 | -5.90 | VERTICAL | Peak | |
| 4 | 5500.000 | 95.18 | 31.80 | 6.40 | 36.88 | 96.50 | ----- | ----- | VERTICAL | Average | |
| 5 * | 5500.000 | 105.66 | 31.80 | 6.40 | 36.88 | 106.98 | 68.20 | 38.78 | VERTICAL | Peak | |

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Test Mode: 22; Polarity: Horizontal; Modulation:802.11n; Bandwidth:20MHz; Channel:140



| Race: (Discrete) | ReadAntenna | | Cable | | Preamp | | Limit Line | Over Limit | Pol/Phase | Remark |
|------------------|-------------|--------|--------|------|--------|--------|------------|------------|------------|--------|
| | Freq | Level | Factor | Loss | Factor | Level | | | | |
| | MHz | dBuV | dB/m | dB | dB | dBuV/m | dBuV/m | dB | | |
| 1 * | 5700.000 | 102.76 | 32.01 | 6.40 | 36.89 | 104.28 | 68.20 | 36.08 | HORIZONTAL | Peak |
| 2 | 5725.000 | 61.59 | 32.07 | 6.25 | 36.89 | 63.02 | 68.20 | -5.18 | HORIZONTAL | Peak |
| 3 | 5727.482 | 62.71 | 32.07 | 6.25 | 36.89 | 64.14 | 68.20 | -4.06 | HORIZONTAL | Peak |

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