

Company: Radwin Ltd

Test of: AP0158770 RF Wireless Module

To: FCC CFR 47 Part 15 Subpart E 15.407 &
Industry Canada RSS-247 Issue 1

Report No.: RDWN39-U9a Conducted Rev A

CONDUCTED TEST REPORT



CONDUCTED TEST REPORT

FROM



Test of: Radwin Ltd AP0158770 RF Wireless Module
to

To: FCC CFR 47 Part 15 Subpart E 15.407 & Industry Canada RSS-247

Test Report Serial No.: RDWN39-U9a ConductedRev A

This report supersedes: NONE

Applicant: Radwin Ltd
27 Habarzel Street
Tel Aviv 69710
Israel

Product Function: 5 GHz Wireless Module

Issue Date: 3rd December 2015

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
575 Boulder Court
Pleasanton California 94566
USA
Phone: +1 (925) 462-0304
Fax: +1 (925) 462-0306
www.micomlabs.com



MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

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1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING ACCREDITATION

MiCOM Labs, Inc. is an accredited Electrical testing laboratory per the international standard ISO/IEC 17025:2005. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.01. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-01.pdf>



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1.2. RECOGNITION

MiCOM Labs, Inc has widely recognized wireless testing capabilities. Our international recognition includes Conformity Assessment Body designation by APEC MRA countries. MiCOM Labs test reports are accepted globally.

| Country | Recognition Body | Status | Phase | Identification No. |
|-----------|--|--------|------------|---|
| USA | Federal Communications Commission (FCC) | TCB | - | US0159 Listing #: 102167 |
| Canada | Industry Canada (IC) | FCB | APEC MRA 2 | US0159 Listing #: 4143A-2 4143A-3 |
| Japan | MIC (Ministry of Internal Affairs and Communication) | CAB | APEC MRA 2 | RCB 210 |
| | VCCI | -- | -- | A-0012 |
| Europe | European Commission | NB | EU MRA | NB 2280 |
| Australia | Australian Communications and Media Authority (ACMA) | CAB | APEC MRA 1 | US0159 |
| Hong Kong | Office of the Telecommunication Authority (OFTA) | CAB | APEC MRA 1 | |
| Korea | Ministry of Information and Communication Radio Research Laboratory (RRL) | CAB | APEC MRA 1 | |
| Singapore | Infocomm Development Authority (IDA) | CAB | APEC MRA 1 | |
| Taiwan | National Communications Commission (NCC) Bureau of Standards, Metrology and Inspection (BSMI) | CAB | APEC MRA 1 | |
| Vietnam | Ministry of Communication (MIC) | CAB | APEC MRA 1 | |

EU MRA – European Union Mutual Recognition Agreement.

NB – Notified Body

APEC MRA – Asia Pacific Economic Community Mutual Recognition Agreement. Recognition agreement under which test lab is accredited to regulatory standards of the APEC member countries.

Phase I - recognition for product testing

Phase II – recognition for both product testing and certification

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1.3. PRODUCT CERTIFICATION

MiCOM Labs, Inc. is an accredited Product Certification Body per the international standard ISO/IEC 17065:2012. The company is accredited by the American Association for Laboratory Accreditation (A2LA) www.a2la.org test laboratory number 2381.02. MiCOM Labs test schedule is available at the following URL; <http://www.a2la.org/scopepdf/2381-02.pdf>



United States of America – Telecommunication Certification Body (TCB)
Industry Canada – Certification Body, CAB Identifier – US0159
Europe – Notified Body (NB), NB Identifier - 2280
Japan – Recognized Certification Body (RCB), RCB Identifier - 210

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2. DOCUMENT HISTORY

| Document History | | |
|--|-------------------------------|------------------------------------|
| Revision | Date | Comments |
| Draft | 2 nd December 2015 | Added additional antenna AM0156430 |
| Rev A | 3 rd December 2015 | 2 nd Release |
| | | |
| | | |
| | | |
| This report was originally issued under RDWN34-PCA_3.2 U3a | | |
| Rev A | 5 th August 2015 | Initial Release |
| . | | |
| . | | |

In the above table the latest report revision will replace all earlier versions.

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3. TEST RESULT CERTIFICATE

Manufacturer: Radwin Ltd
27 Habarzel Street
Tel Aviv 69710
Israel

Tested By: MiCOM Labs, Inc.
575 Boulder Court
Pleasanton
California 94566 USA

Model: AP0158770

Telephone: +1 925 462 0304
Fax: +1 925 462 0306

Type Of Equipment: 5 GHz Wireless Module

S/N's: Prototype

Test Date(s): 10th – 14th July + 11th Nov 2015

Website: www.micomlabs.com

STANDARD(S)

TEST RESULTS

**FCC CFR 47 Part 15 Subpart E 15.407 &
Industry Canada RSS-247 Issue 1**

EQUIPMENT COMPLIES

MiCOM Labs, Inc. tested the equipment mentioned in accordance with the requirements set forth in the above standards. Test results indicate that the equipment tested is capable of demonstrating compliance with the requirements as documented within this report.

Notes:

1. This document reports conditions under which testing was conducted and the results of testing performed.
2. Details of test methods used have been recorded and kept on file by the laboratory.
3. Test results apply only to the item(s) tested.

Approved & Released for MiCOM Labs, Inc. by:

Graeme Grieve
Quality Manager MiCOM Labs, Inc.



Gordon Hurst
President & CEO MiCOM Labs, Inc.

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4. REFERENCES AND MEASUREMENT UNCERTAINTY

4.1. Normative References

| REF. | PUBLICATION | YEAR | TITLE |
|------|------------------------|---------------------|---|
| I | KDB 662911 | Oct 31 2013 | Guidance for measurement of output emission of devices that employ single transmitter with multiple outputs or systems with multiple transmitters operating simultaneously in the same frequency band |
| II | KDB 905462 D07 v01 | 10th June 2015 | Test guidance to demonstrate compliance for U-NII devices subject to DFS requirements. |
| III | KDB 926956 DO1 v01r02 | 17th October 2014 | U-NII Device Transition Plan |
| IV | KDB 789033 D02 v01 | 6th June 2014 | General UNII Test Procedures New Rules V01 |
| V | A2LA | June 2015 | R105 - Requirement's When Making Reference to A2LA Accreditation Status |
| VI | ANSI C63.10 | 2013 | American National Standard for Testing Unlicensed Wireless Devices |
| VII | ANSI C63.4 | 2014 | American National Standards for Methods of Measurement of Radio-Noise Emissions from Low-Voltage Electrical and Electronic Equipment in the Range of 9 kHz to 40 GHz |
| VIII | CISPR 22 | 2008 | Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement |
| IX | ETSI TR 100 028 | 2001-12 | Parts 1 and 2 Electromagnetic compatibility and Radio Spectrum Matters (ERM); Uncertainties in the measurement of mobile radio equipment characteristics |
| X | FCC 06-96 | Jun 3 2006 | Memorandum Opinion and Order |
| XI | FCC 47 CFR Part 15.407 | 2014 | Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices |
| XII | ICES-003 | Issue 5 2012 | Spectrum Management and Telecommunications; Interference-Causing Equipment Standard. Information Technology Equipment (ITE) – Limits and methods of measurement. |
| XIII | M 3003 | Edition 3 Nov. 2012 | Expression of Uncertainty and Confidence in Measurements |
| XIV | RSS-247, Issue 1 | May 2015 | Digital Transmission Systems (DTSS), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices |
| XV | RSS-Gen, Issue 4 | Nov 2014 | General Requirements and Information for the Certification of Radiocommunication Equipment |
| XVI | KDB 644545 D03 v01 | August 14th 2014 | Guidance for IEEE 802.11ac New Rules |
| XVII | FCC 47 CFR Part 2.1033 | 2014 | FCC requirements and rules regarding photographs and test setup diagrams. |

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4.2. Test and Uncertainty Procedure

Conducted and radiated emission measurements were conducted in accordance with American National Standards Institute ANSI C63.4, listed in the Normative References section of this report.

Measurement uncertainty figures are calculated in accordance with ETSI TR 100 028 Parts 1 and 2.

Measurement uncertainties stated are based on a standard uncertainty multiplied by a coverage factor $k = 2$, providing a level of confidence of approximately 95 % in accordance with UKAS document M 3003 listed in the Normative References section of this report.

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5. PRODUCT DETAILS AND TEST CONFIGURATIONS

5.1. Technical Details

| Details | Description |
|--------------------------------------|---|
| Purpose: | Test of the Radwin Ltd AP0158770 to FCC CFR 47 Part 15 Subpart E 15.407 & RSS-247 Radio Frequency Devices; Subpart E – Unlicensed National Information Infrastructure Devices |
| Applicant: | Radwin Ltd 27 Habarzel Street Tel Aviv 69710 Israel |
| Manufacturer: | As Applicant |
| Laboratory performing the tests: | MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA |
| Test report reference number: | RDWN39-U9a |
| Date EUT received: | July 6th 2015 |
| Standard(s) applied: | FCC CFR 47 Part 15 Subpart E 15.407 & RSS-247 Issue 1 |
| Dates of test (from - to): | 10 th – 14 th July 2015 |
| No of Units Tested: | 1 |
| Type of Equipment: | 5 GHz Wireless Module 2x2 Spatial Multiplexing MIMO configuration |
| Product Family Name: | 5.x DPLUS RF Module |
| Model(s): | AP0158770 |
| Location for use: | Outdoor |
| Declared Frequency Range(s): | DFS Bands: 5250 – 5350, 5470 - 5725 MHz |
| Primary function of equipment: | RF module for transmitting and receiving data |
| Secondary function of equipment: | None Provided |
| Type of Modulation: | Per 802.11n/ac BPSK, QPSK, 16QAM, 64QAM, 256 QAM, OFDM |
| EUT Modes of Operation: | Bandwidths 5, 10, 20, 40, 80 MHz |
| Declared Nominal Output Power (Ave): | 5250 – 5350 and 5470 – 5725 MHz +20 dBm |
| Transmit/Receive Operation: | Time Division Duplex |
| Rated Input Voltage and Current: | POE: 55Vdc 1A |
| Operating Temperature Range: | Declared Range -35°C to 60°C |
| ITU Emission Designator: | 5 MHz 5M00W7W 10 MHz 10M0W7W 20 MHz 20M0W7W 40 MHz 40M0W7W 80 MHz 80M0W7W |
| Equipment Dimensions: | 1.9" X 2.0" x 0.3" |
| Weight: | 0.042 lb. (19g) |
| Hardware Rev: | Prototype |
| Software Rev: | Prototype |

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5.2. Scope Of Test Program

Radwin AP0158770 5 GHz Wireless Module

The scope of the test program was to test the Radwin AP0158770 configurations in the frequency ranges 5250 - 5350 & 5470 - 5725 MHz for compliance against the following specification(s):

FCC CFR 47 Part 15 Subpart E 15.407

Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices

Industry Canada RSS-247 Issue 1

Digital Transmission Systems (DTSs), Frequency Hopping Systems (FHSs) and Licence-Exempt Local Area Network (LE-LAN) Devices

Radwin AP0158770 5 GHz Wireless Module



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5.3. Equipment Model(s) and Serial Number(s)

| Equipment Type | Equipment Description (Including Brand Name) | Mfr | Model No. | Serial No. |
|----------------|--|------------|---------------|------------|
| EUT | 5 GHz Wireless Module | RADWIN Ltd | AP0158770 | RAD01 02 |
| Support | Laptop PC | DELL | LATITUDE D530 | None |

5.4. Antenna Details

| Type | Manufacturer | Model | Family | Gain (dBi) | BF Gain | Dir BW | X-Pol | Frequency Band (MHz) |
|-----------------------------|--------------|--------------|-------------------|------------|---------|--------|-------|----------------------------|
| Integrated | RADWIN Ltd | MT0128930 | Sector | 11.0 | - | 120 | Yes | 5250 – 5350 5470 – 5725 |
| external | RADWIN Ltd | RW-9061-5004 | Sector | 11.0 | - | 120 | Yes | 5250 – 5350 5470 – 5725 |
| Integrated | RADWIN Ltd | AM0135060 | Sector | 12.0 | - | 95 | Yes | 5250 – 5350 5470 – 5725 |
| external | RADWIN Ltd | RW-9061-5001 | Sector | 14.0 | - | 90 | Yes | 5250 – 5350 5470 – 5725 |
| external | RADWIN Ltd | RW-9061-5002 | Sector | 15.5 | - | 60 | Yes | 5250 – 5350 5470 – 5725 |
| Integrated | RADWIN Ltd | MT0125250 | Sector | 13.0 | - | 90 | Yes | 5250 – 5350 5470 – 5725 |
| Integrated | RADWIN Ltd | AM0119960 | Panel | 16.0 | - | 35 | Yes | 5250 – 5350 5470 – 5725 |
| Integrated | RADWIN Ltd | AM0111760 | Panel (Pt-Pt) | 16.5 | - | 35 | Yes | 5250 – 5350 5470 – 5725 |
| Integrated Smart Flat Panel | RADWIN Ltd | AM0156430 | Panel | 20.5 | - | 9.4 | Yes | 5250 – 5350 5470 – 5725 |
| external | RADWIN Ltd | RW-9612-5001 | Panel | 23.0 | - | 8 | Yes | 5250 – 5350 5470 – 5725 |
| Integrated | RADWIN Ltd | MT0070760 | Panel (Pt-Pt) | 23.5 | - | 8 | Yes | 5250 – 5350 5470 – 5725 |
| external | RADWIN Ltd | RW-9622-5001 | Panel (Pt-Pt) | 29.0 | - | 5 | Yes | 5250 – 5350 5470 – 5725 |
| external | RADWIN Ltd | RW-9721-5158 | Parabolic | 28.0 | - | 5.5 | Yes | 5250 – 5350 5470 – 5725 |
| external | RADWIN Ltd | RW-9732-4958 | Parabolic (Pt-Pt) | 32.0 | - | 4 | Yes | 5250 – 5350 5470 – 5725 |
| external | RADWIN Ltd | RW-9401-5002 | OMNI | 12.5 | - | 50 | Yes | 5250 – 5350 5470 – 5725 |

BF Gain - Beamforming Gain

Dir BW - Directional BeamWidth

X-Pol - Cross Polarization

5.5. Cabling and I/O Ports

| Port Type | Max Cable Length | # Of Ports | Screened | Conn Type | Data Type |
|-----------|------------------|------------|----------|-----------|-----------|
| Ethernet | 100 | 1 | Y | RJ-45 | Packet |

5.6. Test Configurations

Results for the following configurations are provided in this report:

| Operational Mode(s) | Data Rates with Highest Power | Channel Frequency (MHz) | | |
|---|--|-------------------------|----------|----------|
| | | Low | Mid | High |
| 5250 - 5350 MHz | | | | |
| 5 MHz | 15 MCS | 5253.50 | 5,300.00 | 5346.50 |
| 10 MHz | 15 MCS | 5,259.00 | 5,300.00 | 5,341.00 |
| 20 MHz | 15 MCS | 5,264.00 | 5,300.00 | 5,336.00 |
| 40 MHz | 15 MCS | 5,274.00 | 5,300.00 | 5,326.00 |
| 80 MHz | 15 MCS | 5,290.00 | 5,300.00 | 5,310.00 |
| Operational Mode(s) (802.11a/b/g/n/ac) | Data Rate with Highest Power MBit/s | Channel Frequency (MHz) | | |
| | | Low | Mid | High |
| 5470 - 5725 MHz | | | | |
| 5 MHz | 15 MCS | 5478.5 | 5595 | 5721.5 |
| 10 MHz | 15 MCS | 5484 | 5596 | 5711 |
| 20 MHz | 15 MCS | 5489 | 5590 | 5706 |
| 40 MHz | 15 MCS | 5499 | 5570 | 5696 |
| 80 MHz | 15 MCS | 5520 | 5560 | 5675 |

5.7. Equipment Modifications

The following modifications were required to bring the equipment into compliance:

1. NONE

5.8. Deviations from the Test Standard

The following deviations from the test standard were required in order to complete the test program:

1. NONE



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6. TEST SUMMARY

List of Measurements

| Test Header | Result | Data Link |
|-------------------------------|----------|---------------------------|
| (a) Peak Transmit Power | Complies | View Data |
| (a) 26 dB & 99% Bandwidth | Complies | View Data |
| (a)(5) Power Spectral Density | Complies | View Data |

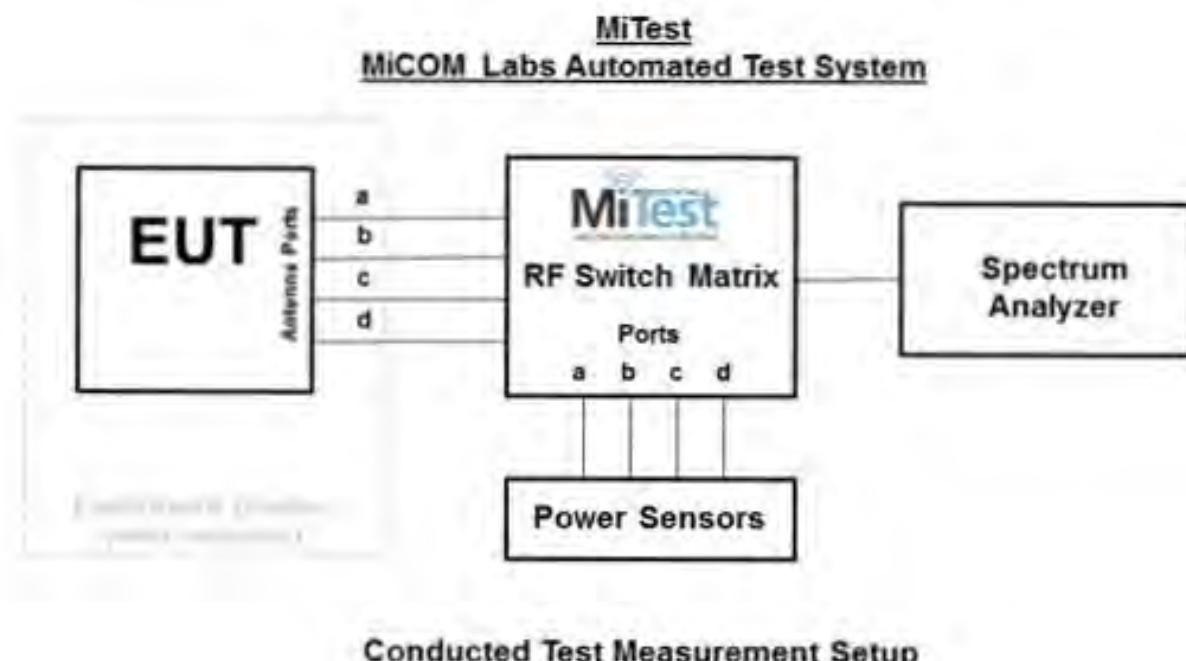
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7. TEST EQUIPMENT CONFIGURATION(S)

7.1. Conducted

Conducted RF Emission Test Set-up(s). The following tests were performed using the conducted test set-up shown in the diagram below.

1. Section 10.1 26 dB and 99% Bandwidth
2. Section 10.2. Maximum Conducted Output Power
3. Section 10.3. Peak Power Spectral Density



A full system calibration was performed on the test station and any resulting system losses (or gains) were taken into account in the production of all final measurement data.



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| Asset# | Description | Manufacturer | Model# | Serial# | Calibration Due Date |
|---------------------|--|----------------------|--------------------------------|------------------|----------------------|
| 158 | Barometer/Termometer | Control Company | 4196 | E2846 | 01 Dec 2016 |
| 193 | Receiver 20 Hz to 7 GHz | Rhode & Schwarz | ESI 7 | 838496/007 | 14 Jan 2016 |
| 249 | Resistance Thermometer | Thermotronics | GR2105-02 | 9340 #2 | 23 Oct 2016 |
| 287 | Rohde & Schwarz 40 GHz Receiver | Rhode & Schwarz | ESIB40 | 100201 | 27 Aug 2016 |
| 361 | Desktop for RF#1, Labview Software installed | Dell | Vostro 220 | WS RF#1 | Not Required |
| 378 | Rohde & Schwarz 40 GHz Receiver with Generator | Rhode & Schwarz | ESIB40 | 100107/040 | 04 Aug 2016 |
| 380 | 4x4 RF Switch Box | MiCOM Labs | MiTest RF Switch Box | MIC001 | 20 Dec 2015 |
| 390 | USB Power Head 50MHz - 24GHz -60 to +20dBm | Agilent | U2002A | MY50000103 | 17 Oct 2016 |
| 398 | Test Software | MiCOM | MiTest ATS | Version 3.0.0.16 | Not Required |
| 405 | DC Power Supply 0-60V | Agilent | 6654A | MY4001826 | Cal when used |
| 408 | USB to GPIB interface | National Instruments | GPIB-USB HS | 14C0DE9 | Not Required |
| 436 | USB Wideband Power Sensor | Boonton | 55006 | 8731 | 31 Jul 2016 |
| 437 | USB Wideband Power Sensor | Boonton | 55006 | 8759 | 31 Jul 2016 |
| 445 | PoE Injector | D-Link | DPE-101GL | QTAH1E2000625 | Not Required |
| 75 | Environmental Chamber | Thermatron | SE-300-2-2 | 27946 | 24 Nov 2016 |
| RF#1 GPIB#1 | GPIB cable to Power Supply | HP | GPIB | None | Not Required |
| RF#1 SMA SA #452 | Precision SMA Male RG-402 Spectrun Analyzer | Fairview Microwave | Precision SMA Male RG 402 coax | None | 20 Dec 2015 |
| RF#1 SMA#1 | EUT to Mitest box port 1 | Flexco | SMA Cable port1 | None | 20 Dec 2015 |
| RF#1 SMA#2 | EUT to Mitest box port 2 | Flexco | SMA Cable port2 | None | 20 Dec 2015 |
| RF#1 SMA#3 | EUT to Mitest box port 3 | Flexco | SMA Cable port3 | None | 20 Dec 2015 |
| RF#1 SMA#4 | EUT to Mitest box port 4 | Flexco | SMA Cable port4 | None | 20 Dec 2015 |
| RF#1 USB#1 | USB Cable to Mitest Box | Dynex | USB Cable | None | Not Required |

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8. MEASUREMENT AND PRESENTATION OF TEST DATA

The measurement and graphical data presented in this test report was generated automatically using state-of-the-art technology creating an easy to read report structure. Numerical measurement data is separated from supporting graphical data (plots) through hyperlinks. Numerical measurement data can be reviewed without scrolling through numerous graphical pages to arrive at the next data matrix.

Plots have been relegated into the Appendix 'Graphical Data'.

Test and report automation was performed by [MiTest](#). [MiTest](#) is an automated test system developed by MiCOM Labs. [MiTest](#) is the first cloud based modular test system enabling end-to-end automation of regulatory compliance testing for conducted RF testing.



The MiCOM Labs "[MiTest](#)" Automated Test System" (Patent Pending)

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9. TEST RESULTS

9.1. Peak Transmit Power

| Conducted Test Conditions for Maximum Conducted Output Power | | | |
|--|--------------------------------|----------------------------|-------------|
| Standard: | FCC CFR 47:15.407 | Ambient Temp. (°C): | 24.0 - 27.5 |
| Test Heading: | Maximum Conducted Output Power | Rel. Humidity (%): | 32 - 45 |
| Standard Section(s): | 15.407 (a) | Pressure (mBars): | 999 - 1001 |
| Reference Document(s): | See Normative References | | |

Test Procedure for Maximum Conducted Output Power Measurement

Method PM (Measurement using an RF average power meter). KDB 789033 defines a methodology using an average wideband power meter. Measurements were made while the EUT was operating in a continuous transmission mode (100% duty cycle) at the appropriate center frequency. All operational modes and frequency bands were measured independently and the resultant calculated. Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured and reported separately. A summation (Σ) of each antenna port output power is provided which includes any offset due to Duty Cycle Correction Factor (DCCF). Testing was performed under ambient conditions at nominal voltage.

Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document.
Supporting Information

Calculated Power = $A + G + Y + 10 \log(1/x)$ dBm

A = Total Power [$10 \times \log_{10}(10^{a/10} + 10^{b/10} + 10^{c/10} + 10^{d/10})$]

G = Antenna Gain

Y = Beamforming Gain

x = Duty Cycle (average power measurements only)

Limits Maximum Conducted Output Power

Operating Frequency Band 5150-5250 MHz

15. 407 (a)(1)

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring

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that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Operating Frequency Band 5250-5350 and 5470 – 5725 MHz

15. 407 (a)(2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Operating Frequency Band 5725 – 5850 MHz

15. 407 (a)(3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.



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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 10 MHz | Duty Cycle (%): | 89.0 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5259.0 | 13.12 | 11.78 | -- | -- | 16.02 | 12.024 | 16.80 | -0.78 | 12.00 |
| 5300.0 | 13.62 | 11.28 | -- | -- | 16.12 | 12.425 | 16.94 | -0.82 | 11.00 |
| 5341.0 | 12.31 | 12.79 | -- | -- | 16.07 | 12.475 | 16.96 | -0.89 | 12.50 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 20 MHz | Duty Cycle (%): | 86.0 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5264.0 | 15.62 | 13.95 | -- | -- | 18.53 | 22.445 | 19.00 | -0.47 | 14.50 |
| 5300.0 | 15.83 | 13.39 | -- | -- | 18.44 | 22.545 | 19.00 | -0.56 | 13.50 |
| 5336.0 | 14.27 | 14.97 | -- | -- | 18.30 | 22.345 | 19.00 | -0.70 | 14.50 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 40 MHz | Duty Cycle (%): | 80.5 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5274.0 | 15.63 | 13.74 | -- | -- | 18.74 | 41.884 | 19.00 | -0.26 | 14.00 |
| 5300.0 | 15.53 | 13.02 | -- | -- | 18.41 | 41.884 | 19.00 | -0.59 | 13.00 |
| 5326.0 | 16.10 | 13.28 | -- | -- | 18.87 | 41.283 | 19.00 | -0.13 | 13.00 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 5 MHz | Duty Cycle (%): | 90.2 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5253.5 | 10.81 | 9.78 | -- | -- | 13.78 | 7.540 | 14.77 | -0.99 | 11.00 |
| 5300.0 | 11.80 | 9.12 | -- | -- | 14.12 | 6.889 | 14.38 | -0.26 | 10.50 |
| 5346.5 | 10.07 | 11.23 | -- | -- | 14.15 | 6.864 | 14.37 | -0.22 | 11.00 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 80 MHz | Duty Cycle (%): | 71.8 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5290.0 | 14.60 | 12.45 | -- | -- | 18.11 | 82.164 | 19.00 | -0.89 | 13.00 |
| 5300.0 | 14.88 | 12.60 | -- | -- | 18.34 | 81.764 | 19.00 | -0.66 | 13.00 |
| 5310.0 | 15.24 | 12.75 | -- | -- | 18.62 | 81.363 | 19.00 | -0.38 | 13.00 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 10 MHz | Duty Cycle (%): | 89.3 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5484.0 | 12.87 | 13.53 | -- | -- | 16.71 | 12.525 | 16.98 | -0.27 | 11.00 |
| 5595.0 | 13.11 | 12.99 | -- | -- | 16.55 | 12.375 | 16.93 | -0.38 | 10.00 |
| 5711.0 | 14.47 | 12.05 | -- | -- | 16.93 | 12.475 | 16.96 | -0.03 | 10.00 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 20 MHz | Duty Cycle (%): | 86.1 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5489.0 | 14.09 | 14.69 | -- | -- | 18.06 | 22.445 | 19.00 | -0.94 | 12.50 |
| 5590.0 | 15.26 | 15.28 | -- | -- | 18.93 | 22.345 | 19.00 | -0.07 | 12.00 |
| 5706.0 | 15.42 | 13.10 | -- | -- | 18.07 | 22.545 | 19.00 | -0.93 | 11.00 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 40 MHz | Duty Cycle (%): | 80.6 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5499.0 | 14.52 | 15.45 | -- | -- | 18.96 | 41.082 | 19.00 | -0.04 | 14.00 |
| 5570.0 | 13.94 | 14.84 | -- | -- | 18.36 | 41.283 | 19.00 | -0.64 | 13.00 |
| 5696.0 | 14.93 | 13.72 | -- | -- | 18.31 | 41.483 | 19.00 | -0.69 | 13.50 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 5 MHz | Duty Cycle (%): | 90.3 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5478.5 | 9.95 | 10.82 | -- | -- | 13.86 | 7.315 | 14.64 | -0.78 | 9.50 |
| 5595.0 | 10.64 | 10.31 | -- | -- | 13.93 | 6.839 | 14.35 | -0.42 | 8.50 |
| 5721.5 | 11.74 | 9.44 | -- | -- | 14.20 | 6.889 | 14.38 | -0.18 | 8.50 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 80 MHz | Duty Cycle (%): | 71.1 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Conducted Output Power (dBm) | | | | Calculated Total Power | Minimum 26 dB Bandwidth | Limit | Margin | EUT Power Setting |
|----------------|---------------------------------------|-------|----|----|------------------------|-------------------------|-------|--------|-------------------|
| | Port(s) | | | | | | | | |
| MHz | a | b | c | d | Σ Port(s) dBm | MHz | dBm | dBm | |
| 5520.0 | 13.14 | 14.03 | -- | -- | 18.10 | 82.164 | 19.00 | -0.90 | 14.00 |
| 5560.0 | 13.49 | 14.34 | -- | -- | 18.43 | 81.764 | 19.00 | -0.57 | 13.50 |
| 5675.0 | 14.44 | 13.62 | -- | -- | 18.54 | 81.363 | 19.00 | -0.46 | 13.00 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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9.2. 26 dB & 99% Bandwidth

Conducted Test Conditions for 26 dB and 99% Bandwidth

| | | | |
|-------------------------------|--------------------------|----------------------------|-------------|
| Standard: | FCC CFR 47:15.407 | Ambient Temp. (°C): | 24.0 - 27.5 |
| Test Heading: | 26 dB and 99 % Bandwidth | Rel. Humidity (%): | 32 - 45 |
| Standard Section(s): | 15.407 (a) | Pressure (mBars): | 999 - 1001 |
| Reference Document(s): | See Normative References | | |

Test Procedure for 26 dB and 99% Bandwidth Measurement

The bandwidth at 26 dB and 99 % is measured with a spectrum analyzer connected to the antenna terminal, while EUT is operating in transmission mode at the appropriate center frequency. The Resolution Bandwidth was set to approximately 1% of the emission bandwidth.

Testing was performed under ambient conditions at nominal voltage. Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured and reported.

Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document.

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 10 MHz | Duty Cycle (%): | 89.0 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|------------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5259.0 | 12.024 | 12.776 | -- | -- | 12.776 | 12.024 |
| 5300.0 | 12.425 | 12.525 | -- | -- | 12.525 | 12.425 |
| 5341.0 | 12.475 | 12.826 | -- | -- | 12.826 | 12.475 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|-----------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5259.0 | 9.218 | 9.269 | -- | -- | 9.269 | 9.218 |
| 5300.0 | 9.218 | 9.269 | -- | -- | 9.269 | 9.218 |
| 5341.0 | 9.218 | 9.269 | -- | -- | 9.269 | 9.218 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 20 MHz | Duty Cycle (%): | 86.0 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|------------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5264.0 | 22.445 | 22.745 | -- | -- | 22.745 | 22.445 |
| 5300.0 | 22.545 | 22.846 | -- | -- | 22.846 | 22.545 |
| 5336.0 | 22.345 | 22.645 | -- | -- | 22.645 | 22.345 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|------------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5264.0 | 17.936 | 17.936 | -- | -- | 17.936 | 17.936 |
| 5300.0 | 17.936 | 17.936 | -- | -- | 17.936 | 17.936 |
| 5336.0 | 17.735 | 17.936 | -- | -- | 17.936 | 17.735 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 40 MHz | Duty Cycle (%): | 80.5 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|------------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5274.0 | 41.884 | 41.884 | -- | -- | 41.884 | 41.884 |
| 5300.0 | 41.884 | 41.884 | -- | -- | 41.884 | 41.884 |
| 5326.0 | 42.084 | 41.283 | -- | -- | 42.084 | 41.283 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|------------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5274.0 | 36.273 | 36.273 | -- | -- | 36.273 | 36.273 |
| 5300.0 | 36.273 | 36.273 | -- | -- | 36.273 | 36.273 |
| 5326.0 | 36.273 | 36.273 | -- | -- | 36.273 | 36.273 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 5 MHz | Duty Cycle (%): | 90.2 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|-----------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5253.5 | 7.540 | 8.016 | -- | -- | 8.016 | 7.540 |
| 5300.0 | 7.415 | 6.889 | -- | -- | 7.415 | 6.889 |
| 5346.5 | 6.864 | 8.542 | -- | -- | 8.542 | 6.864 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|-----------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5253.5 | 4.985 | 5.035 | -- | -- | 5.035 | 4.985 |
| 5300.0 | 4.885 | 4.935 | -- | -- | 4.935 | 4.885 |
| 5346.5 | 4.860 | 5.010 | -- | -- | 5.010 | 4.860 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 80 MHz | Duty Cycle (%): | 71.8 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|------------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5290.0 | 82.164 | 82.565 | -- | -- | 82.565 | 82.164 |
| 5300.0 | 81.764 | 82.565 | -- | -- | 82.565 | 81.764 |
| 5310.0 | 81.363 | 82.565 | -- | -- | 82.565 | 81.363 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|------------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5290.0 | 76.152 | 75.752 | -- | -- | 76.152 | 75.752 |
| 5300.0 | 76.152 | 76.152 | -- | -- | 76.152 | 76.152 |
| 5310.0 | 76.152 | 75.752 | -- | -- | 76.152 | 75.752 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 10 MHz | Duty Cycle (%): | 89.3 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|------------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5484.0 | 12.525 | 12.876 | -- | -- | 12.876 | 12.525 |
| 5595.0 | 12.375 | 12.826 | -- | -- | 12.826 | 12.375 |
| 5711.0 | 12.475 | 12.675 | -- | -- | 12.675 | 12.475 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|-----------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5484.0 | 9.218 | 9.269 | -- | -- | 9.269 | 9.218 |
| 5595.0 | 9.218 | 9.319 | -- | -- | 9.319 | 9.218 |
| 5711.0 | 9.269 | 9.319 | -- | -- | 9.319 | 9.269 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 20 MHz | Duty Cycle (%): | 86.1 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|------------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5489.0 | 22.445 | 22.745 | -- | -- | 22.745 | 22.445 |
| 5590.0 | 22.345 | 22.946 | -- | -- | 22.946 | 22.345 |
| 5706.0 | 22.545 | 22.645 | -- | -- | 22.645 | 22.545 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|------------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5489.0 | 17.836 | 17.936 | -- | -- | 17.936 | 17.836 |
| 5590.0 | 17.836 | 17.836 | -- | -- | 17.836 | 17.836 |
| 5706.0 | 17.836 | 17.936 | -- | -- | 17.936 | 17.836 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 40 MHz | Duty Cycle (%): | 80.6 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|------------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5499.0 | 41.683 | 41.082 | -- | -- | 41.683 | 41.082 |
| 5570.0 | 41.683 | 41.283 | -- | -- | 41.683 | 41.283 |
| 5696.0 | 41.884 | 41.483 | -- | -- | 41.884 | 41.483 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|------------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5499.0 | 36.273 | 36.273 | -- | -- | 36.273 | 36.273 |
| 5570.0 | 36.273 | 36.273 | -- | -- | 36.273 | 36.273 |
| 5696.0 | 36.273 | 36.273 | -- | -- | 36.273 | 36.273 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 5 MHz | Duty Cycle (%): | 90.3 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|-----------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5478.5 | 8.066 | 7.315 | -- | -- | 8.066 | 7.315 |
| 5595.0 | 6.839 | 7.565 | -- | -- | 7.565 | 6.839 |
| 5721.5 | 7.791 | 6.889 | -- | -- | 7.791 | 6.889 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|-----------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5478.5 | 4.960 | 4.960 | -- | -- | 4.960 | 4.960 |
| 5595.0 | 4.910 | 4.985 | -- | -- | 4.985 | 4.910 |
| 5721.5 | 4.985 | 4.935 | -- | -- | 4.985 | 4.935 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for 26 dB & 99% Occupied Bandwidth

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 80 MHz | Duty Cycle (%): | 71.1 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured 26 dB Bandwidth (MHz) | | | | 26 dB Bandwidth (MHz) | |
|----------------|--------------------------------|------------------------|----|----|-----------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5520.0 | 84.168 | 82.164 | -- | -- | 84.168 | 82.164 |
| 5560.0 | 82.164 | 81.764 | -- | -- | 82.164 | 81.764 |
| 5675.0 | 81.363 | 81.363 | -- | -- | 81.363 | 81.363 |

| Test Frequency | Measured 99% Bandwidth (MHz) | | | | 99% Bandwidth (MHz) | |
|----------------|------------------------------|------------------------|----|----|---------------------|--------|
| | Port(s) | | | | | |
| MHz | a | b | c | d | Highest | Lowest |
| 5520.0 | 75.752 | 75.752 | -- | -- | 75.752 | 75.752 |
| 5560.0 | 76.152 | 75.752 | -- | -- | 76.152 | 75.752 |
| 5675.0 | 75.752 | 76.152 | -- | -- | 76.152 | 75.752 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

Note: click the links in the above matrix to view the graphical image (plot).

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9.3. Power Spectral Density

| Conducted Test Conditions for Power Spectral Density | | | |
|--|--------------------------|----------------------------|-------------|
| Standard: | FCC CFR 47:15.407 | Ambient Temp. (°C): | 24.0 - 27.5 |
| Test Heading: | Power Spectral Density | Rel. Humidity (%): | 32 - 45 |
| Standard Section(s): | 15.407 (a) | Pressure (mBars): | 999 - 1001 |
| Reference Document(s): | See Normative References | | |

Test Procedure for Power Spectral Density

The in-band power spectral density was measured using the test technique specified in KDB 789033. A 1 MHz measurement bandwidth was implemented for the analyzer sweep. Once the sweep is complete the analyzer trace data is downloaded and used for post processing purposes.

Where the device operated with multiple antenna ports i.e. MIMO device, each port was measured separately. The Peak Power Spectral Density is the highest level found across the emission bandwidth. With multiple antenna port measurements the numerical analyzer data from each port is summed (a) and a link to this additional graphic is provided.

Test configuration and setup used for the measurement was per the Conducted Test Set-up section specified in this document.

Measure and sum the spectra across the outputs. With this technique, spectra are measured at each output of the device at the required resolution bandwidth. The individual spectra are then summed mathematically in linear power units. Unlike in-band power measurements, in which the sum involves a single measured value (output power) from each output, measurements for compliance with PSD limits involve summing entire spectra across corresponding frequency bins on the various outputs. Consistency is maintained for any device with multiple transmitter outputs to be certain the individual outputs are all aligned with the same span and same number of points. In this instance, the linear power spectrum value within the first spectral bin of output 0 is summed with that in the first spectral bin of output 1, and the first spectral bin of output 2, and so on up to the Nth output to obtain the true value for the first frequency bin of the summed spectrum. The summed spectrum value for each frequency bin is computed in this fashion. These summed spectral values were post processed and the resulting numerical and graphical data presented.

NOTE: It may be observed that spectrum in some plots break the limit line however this in itself does NOT constitute a failure. In all cases a spectrum summation plot is provided in order to prove compliance. A failure occurs only after the summation of all spectrum plots have been summed and are found to be greater than the limit line.

Supporting Information

Calculated Power = A + 10 log (1/x) dBm

A = Total Power Spectral Density [$10^{\text{a}/10} + 10^{\text{b}/10} + 10^{\text{c}/10} + 10^{\text{d}/10}$]

x = Duty Cycle

Limits Power Spectral Density

Operating Frequency Band 5150-5250 MHz

15. 407 (a)(1)

(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

(ii) For an indoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

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(iii) For fixed point-to-point access points operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. Fixed point-to-point U-NII devices may employ antennas with directional gain up to 23 dBi without any corresponding reduction in the maximum conducted output power or maximum power spectral density. For fixed point-to-point transmitters that employ a directional antenna gain greater than 23 dBi, a 1 dB reduction in maximum conducted output power and maximum power spectral density is required for each 1 dB of antenna gain in excess of 23 dBi. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.

(iv) For mobile and portable client devices in the 5.15-5.25 GHz band, the maximum conducted output power over the frequency band of operation shall not exceed 250 mW provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Operating Frequency Band 5250-5350 and 5470 – 5725 MHz

15. 407 (a)(2)

For the 5.25-5.35 GHz and 5.47-5.725 GHz bands, the maximum conducted output power over the frequency bands of operation shall not exceed the lesser of 250 mW or $11 \text{ dBm} + 10 \log B$, where B is the 26 dB emission bandwidth in megahertz. In addition, the maximum power spectral density shall not exceed 11 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi.

Operating Frequency Band 5725 – 5850 MHz

15. 407 (a)(3)

For the band 5.725-5.85 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W. In addition, the maximum power spectral density shall not exceed 30 dBm in any 500-kHz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. However, fixed point-to-point U-NII devices operating in this band may employ transmitting antennas with directional gain greater than 6 dBi without any corresponding reduction in transmitter conducted power. Fixed, point-to-point operations exclude the use of point-to-multipoint systems, omnidirectional applications, and multiple collocated transmitters transmitting the same information. The operator of the U-NII device, or if the equipment is professionally installed, the installer, is responsible for ensuring that systems employing high gain directional antennas are used exclusively for fixed, point-to-point operations.



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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 10 MHz | Duty Cycle (%): | 89.0 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+0.51 dB) | Limit | Margin |
|----------------|---------------------------------|-----------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5259.0 | 0.854 | 0.191 | -- | -- | 3.010 | 6 | -2.99 |
| 5300.0 | 1.724 | 1.396 | -- | -- | 4.292 | 6 | -1.708 |
| 5341.0 | 1.285 | 1.946 | -- | -- | 4.085 | 6 | -1.915 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 20 MHz | Duty Cycle (%): | 86.0 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+0.66 dB) | Limit | Margin |
|----------------|---------------------------------|------------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5264.0 | -0.478 | -0.273 | -- | -- | 2.299 | 6 | -3.70 |
| 5300.0 | -0.580 | -1.897 | -- | -- | 2.002 | 6 | -4.00 |
| 5336.0 | -1.365 | 1.086 | -- | -- | 3.336 | 6 | -2.66 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 40 MHz | Duty Cycle (%): | 80.5 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+0.92 dB) | Limit | Margin |
|----------------|---------------------------------|------------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5274.0 | -4.112 | -5.646 | -- | -- | -2.351 | 6 | -8.35 |
| 5300.0 | -5.173 | -6.474 | -- | -- | -2.230 | 6 | -8.23 |
| 5326.0 | -3.260 | -7.428 | -- | -- | -1.382 | 6 | -7.38 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 5 MHz | Duty Cycle (%): | 90.2 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+0.46 dB) | Limit | Margin |
|----------------|---------------------------------|------------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5253.5 | 1.529 | 1.240 | -- | -- | 4.416 | 6 | -1.58 |
| 5300.0 | 4.072 | -0.020 | -- | -- | 5.524 | 6 | -0.48 |
| 5346.5 | 1.104 | 2.279 | -- | -- | 4.832 | 6 | -1.17 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

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Title: Radwin Ltd AP0158770 RF Wireless Module
To: FCC 15.407 & Industry Canada RSS-247 Issue 1
Serial #: RDWN39-U9a Conducted Rev A
Issue Date: 3rd December 2015
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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 80 MHz | Duty Cycle (%): | 71.8 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+1.43 dB) | Limit | Margin |
|----------------|---------------------------------|-------------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5290.0 | -12.002 | -11.672 | -- | -- | -8.717 | 6 | -14.72 |
| 5300.0 | -13.052 | -13.790 | -- | -- | -10.268 | 6 | -16.27 |
| 5310.0 | -9.608 | -13.661 | -- | -- | -7.542 | 6 | -13.54 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

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Title: Radwin Ltd AP0158770 RF Wireless Module
To: FCC 15.407 & Industry Canada RSS-247 Issue 1
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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 10 MHz | Duty Cycle (%): | 89.3 |
| Data Rate: | QAM64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+0.51 dB) | Limit | Margin |
|-----------------------|--|-----------------------|----------|----------|--|----------------|---------------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5484.0 | 0.674 | 3.287 | -- | -- | 5.462 | 6.0 | -0.5 |
| 5595.0 | 1.382 | 1.144 | -- | -- | 4.422 | 6.0 | -1.6 |
| 5711.0 | 3.830 | 2.369 | -- | -- | 5.570 | 6.0 | -0.4 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

Note: click the links in the above matrix to view the graphical image (plot).

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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 20 MHz | Duty Cycle (%): | 86.1 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+0.66 dB) | Limit | Margin |
|----------------|---------------------------------|------------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5489.0 | -1.504 | -1.149 | -- | -- | 1.456 | 6.0 | -4.6 |
| 5590.0 | -0.690 | 0.042 | -- | -- | 2.706 | 6.0 | -3.3 |
| 5706.0 | -0.004 | -2.730 | -- | -- | 1.952 | 6.0 | -4.1 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 40 MHz | Duty Cycle (%): | 80.6 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+0.92 dB) | Limit | Margin |
|----------------|---------------------------------|------------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5499.0 | -5.493 | -4.263 | -- | -- | -2.379 | 6.0 | -8.4 |
| 5570.0 | -7.063 | -3.658 | -- | -- | -1.705 | 6.0 | -7.7 |
| 5696.0 | -4.300 | -6.893 | -- | -- | -2.422 | 6.0 | -8.4 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Title: Radwin Ltd AP0158770 RF Wireless Module
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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 5 MHz | Duty Cycle (%): | 90.3 |
| Data Rate: | QAM 64 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+0.46 dB) | Limit | Margin |
|----------------|---------------------------------|-----------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5478.5 | -0.010 | 1.975 | -- | -- | 4.546 | 6.0 | -1.5 |
| 5595.0 | 2.233 | 2.569 | -- | -- | 5.481 | 6.0 | -0.5 |
| 5721.5 | 3.512 | 0.683 | -- | -- | 4.930 | 6.0 | -1.1 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Power Spectral Density

| | | | |
|--------------------------------|----------------|-----------------------------------|----------------|
| Variant: | 80 MHz | Duty Cycle (%): | 71.1 |
| Data Rate: | QAM 256 | Antenna Gain (dBi): | 11.00 |
| Modulation: | OFDM | Beam Forming Gain (Y)(dB): | Not Applicable |
| TPC: | Not Applicable | Tested By: | SB |
| Engineering Test Notes: | | | |

Test Measurement Results

| Test Frequency | Measured Power Spectral Density | | | | Amplitude Summation + DCCF (+1.49 dB) | Limit | Margin |
|----------------|---------------------------------|-------------------------|----|----|---------------------------------------|---------|--------|
| | Port(s) (dBm/MHz) | | | | | | |
| MHz | a | b | c | d | dBm/MHz | dBm/MHz | dB |
| 5520.0 | -11.747 | -12.669 | -- | -- | -8.729 | 6.0 | -14.7 |
| 5560.0 | -12.380 | -8.739 | -- | -- | -6.240 | 6.0 | -12.2 |
| 5675.0 | -12.354 | -11.682 | -- | -- | -7.891 | 6.0 | -13.9 |

Traceability to Industry Recognized Test Methodologies

| | |
|--------------------------|----------------------------------|
| Work Instruction: | WI-03 MEASURING RF SPECTRUM MASK |
| Measurement Uncertainty: | ±2.81 dB |

DCCF - Duty Cycle Correction Factor

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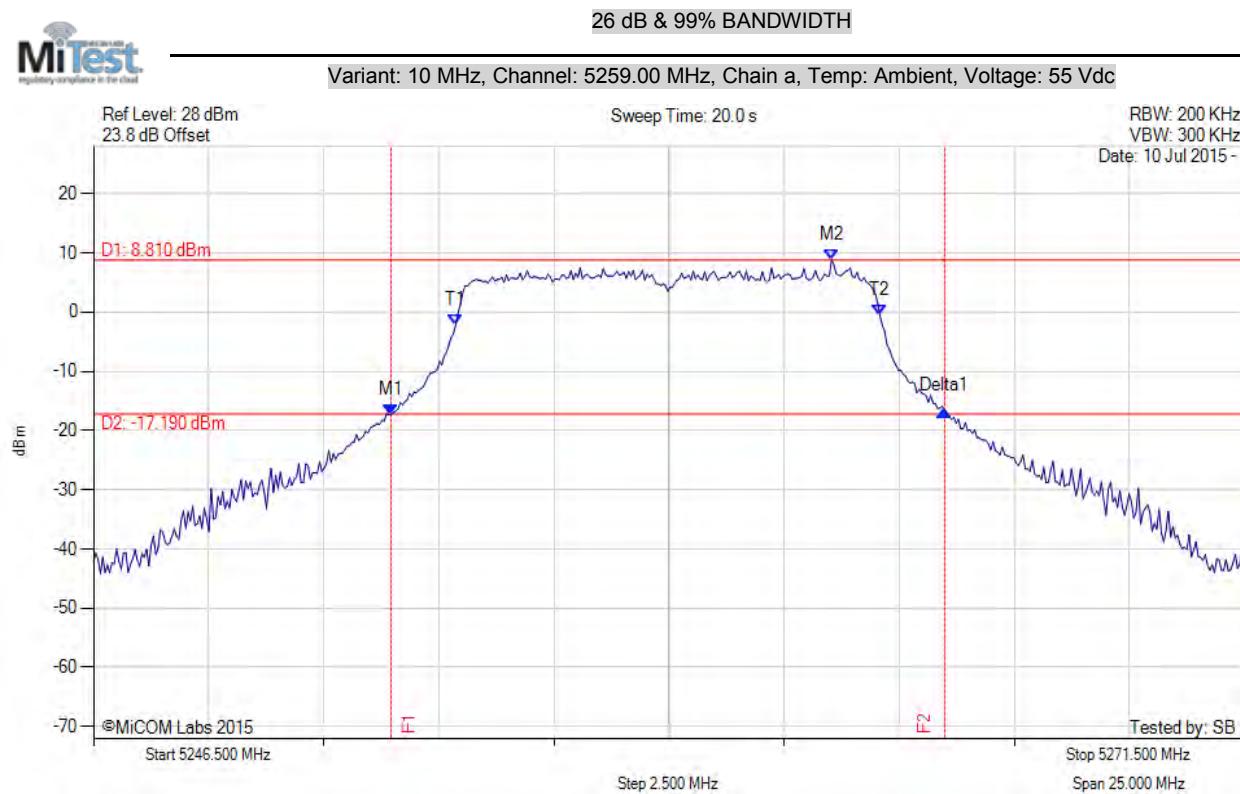


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A. APPENDIX - GRAPHICAL IMAGES

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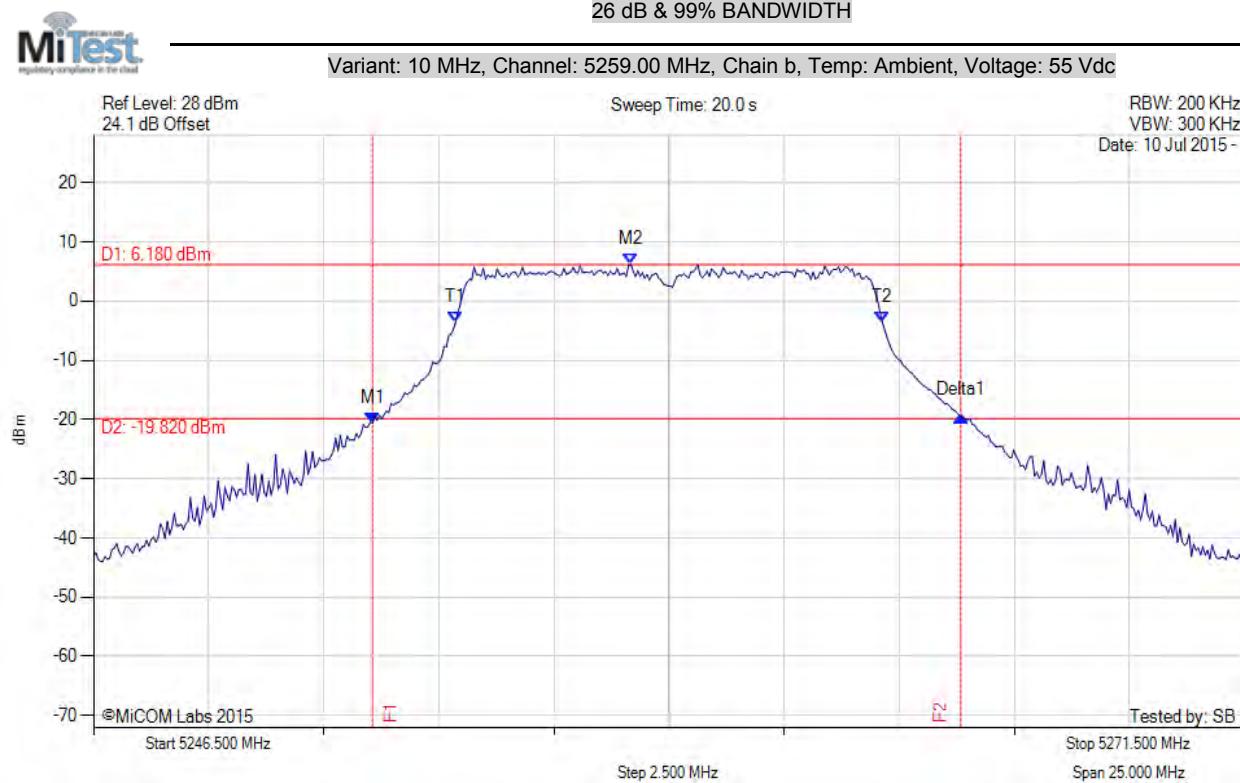
A.1. 26 dB & 99% Bandwidth



| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5252.963 MHz : -17.316 dBm M2 : 5262.532 MHz : 8.810 dBm Delta1 : 12.024 MHz : 0.736 dB T1 : 5254.366 MHz : -2.240 dBm T2 : 5263.584 MHz : -0.627 dBm OBW : 9.218 MHz | Measured 26 dB Bandwidth: 12.024 MHz Measured 99% Bandwidth: 9.218 MHz |

[back to matrix](#)

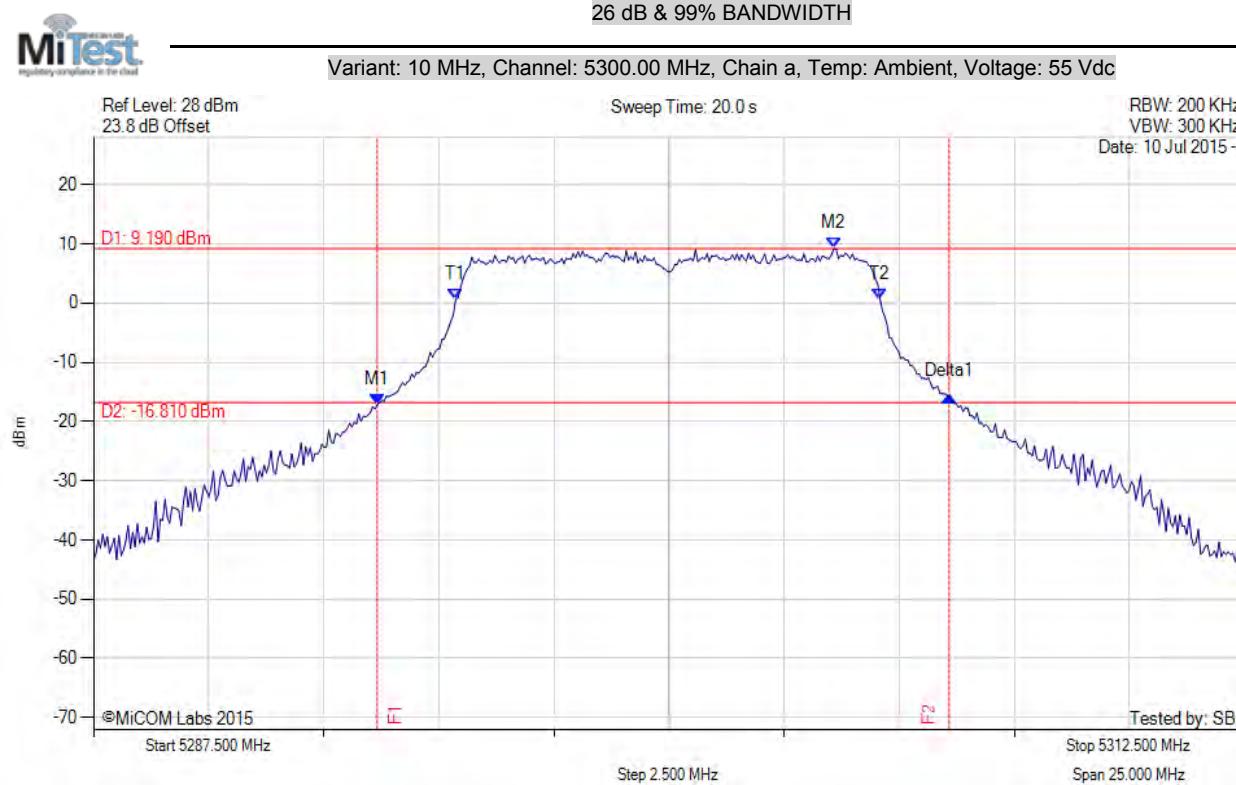
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5252.562 MHz : -20.604 dBm M2 : 5258.173 MHz : 6.180 dBm Delta1 : 12.776 MHz : 1.249 dB T1 : 5254.366 MHz : -3.525 dBm T2 : 5263.634 MHz : -3.566 dBm OBW : 9.269 MHz | Measured 26 dB Bandwidth: 12.776 MHz Measured 99% Bandwidth: 9.269 MHz |

[back to matrix](#)

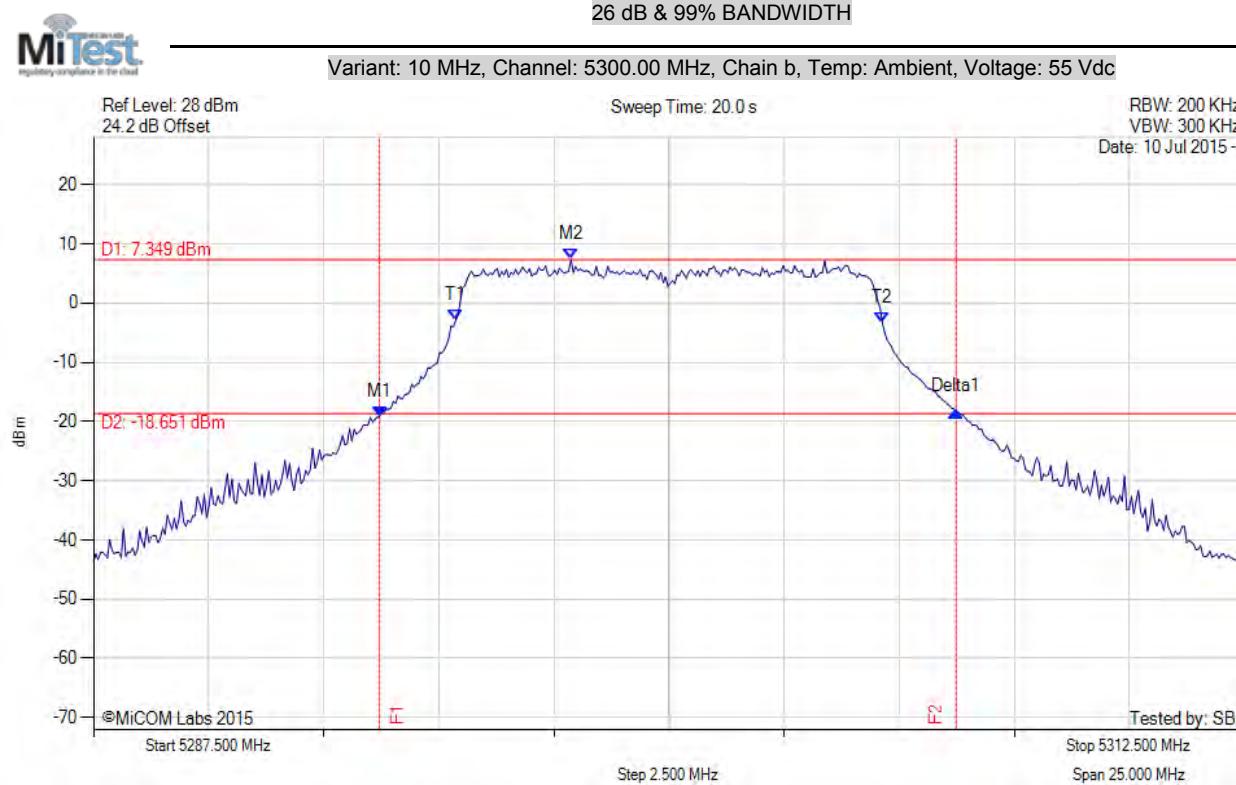
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5293.662 MHz : -17.218 dBm M2 : 5303.582 MHz : 9.190 dBm Delta1 : 12.425 MHz : 1.584 dB T1 : 5295.366 MHz : 0.618 dBm T2 : 5304.584 MHz : 0.703 dBm OBW : 9.218 MHz | Measured 26 dB Bandwidth: 12.425 MHz Measured 99% Bandwidth: 9.218 MHz |

[back to matrix](#)

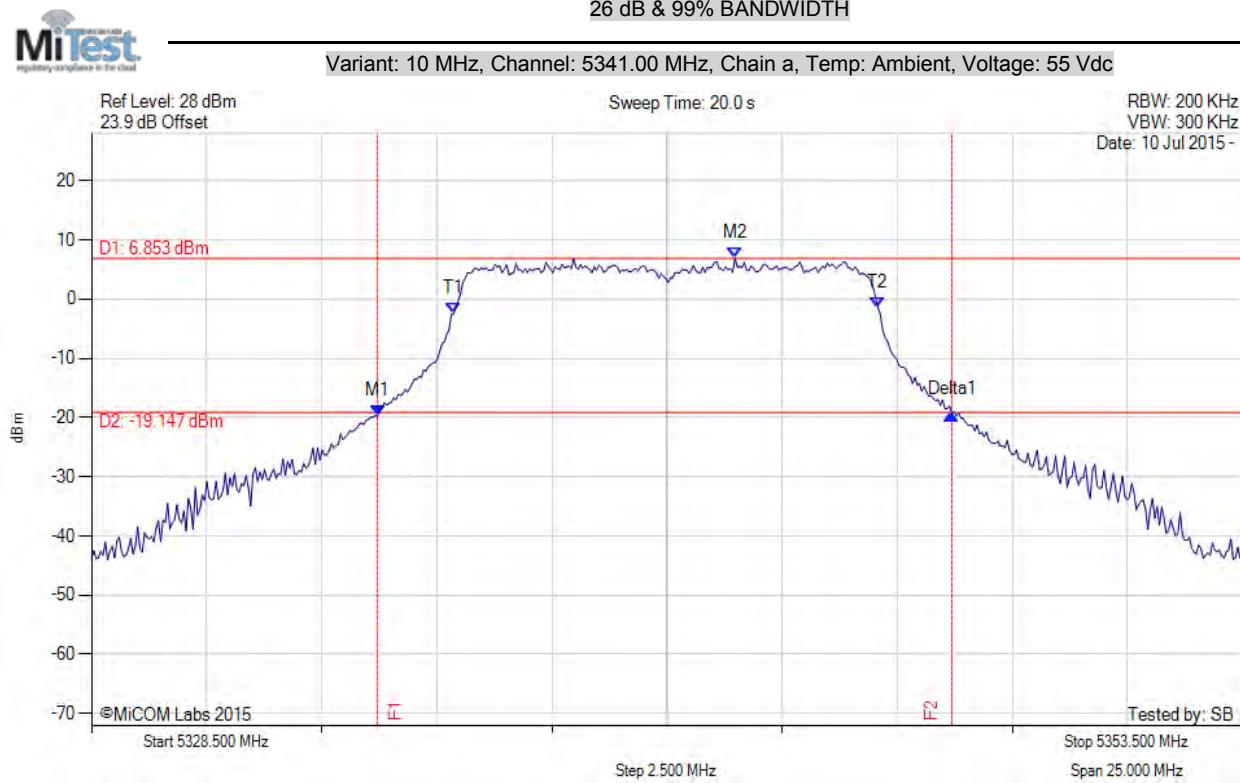
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5293.712 MHz : -19.175 dBm M2 : 5297.871 MHz : 7.349 dBm Delta1 : 12.525 MHz : 0.862 dB T1 : 5295.366 MHz : -2.954 dBm T2 : 5304.634 MHz : -3.275 dBm OBW : 9.269 MHz | Measured 26 dB Bandwidth: 12.525 MHz Measured 99% Bandwidth: 9.269 MHz |

[back to matrix](#)

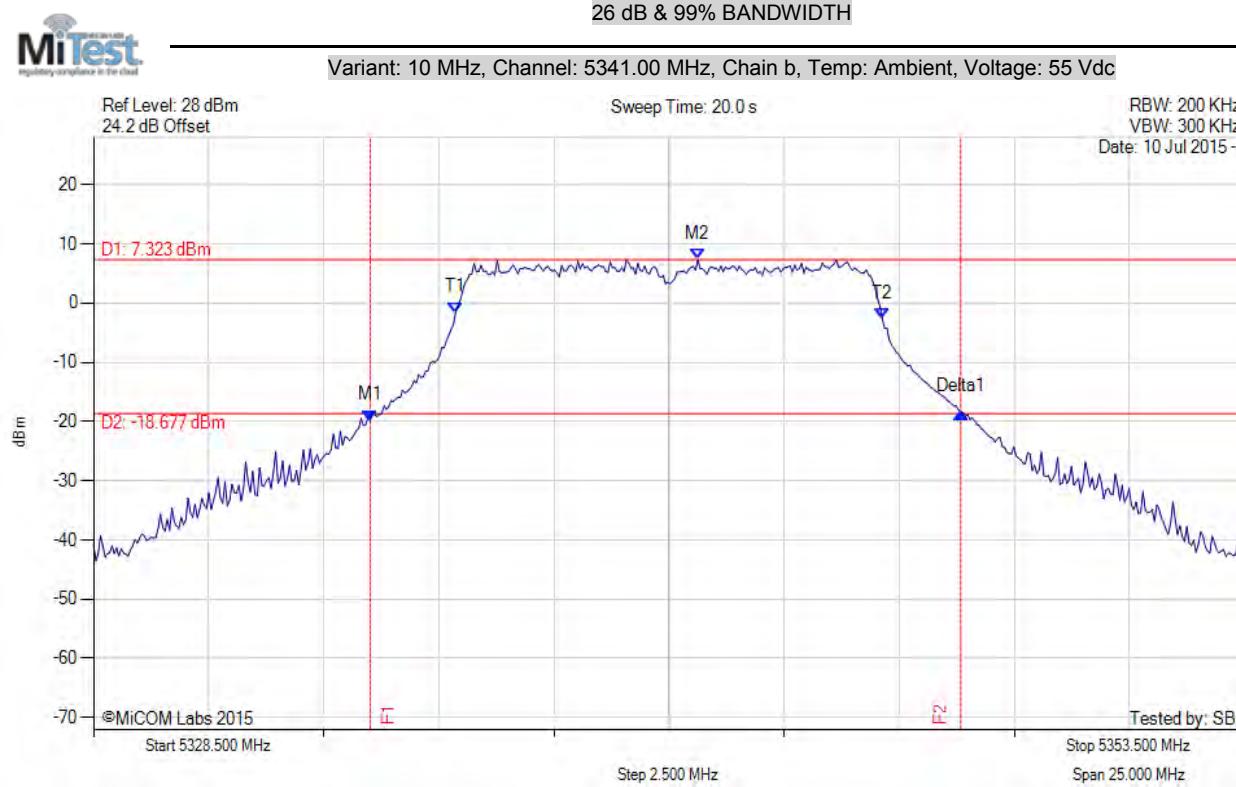
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5334.712 MHz : -19.758 dBm M2 : 5342.478 MHz : 6.853 dBm Delta1 : 12.475 MHz : 0.334 dB T1 : 5336.366 MHz : -2.451 dBm T2 : 5345.584 MHz : -1.451 dBm OBW : 9.218 MHz | Measured 26 dB Bandwidth: 12.475 MHz Measured 99% Bandwidth: 9.218 MHz |

[back to matrix](#)

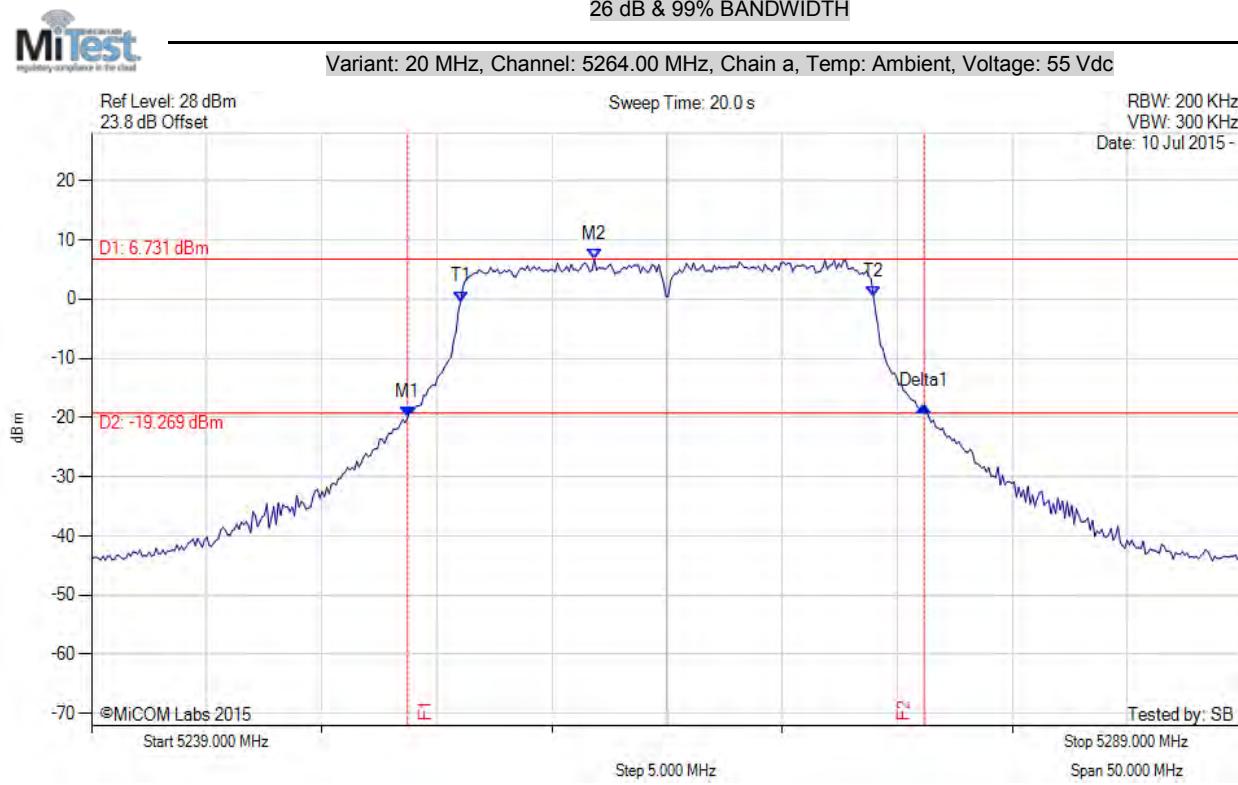
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5334.512 MHz : -19.813 dBm M2 : 5341.626 MHz : 7.323 dBm Delta1 : 12.826 MHz : 1.389 dB T1 : 5336.366 MHz : -1.583 dBm T2 : 5345.634 MHz : -2.746 dBm OBW : 9.269 MHz | Measured 26 dB Bandwidth: 12.826 MHz Measured 99% Bandwidth: 9.269 MHz |

[back to matrix](#)

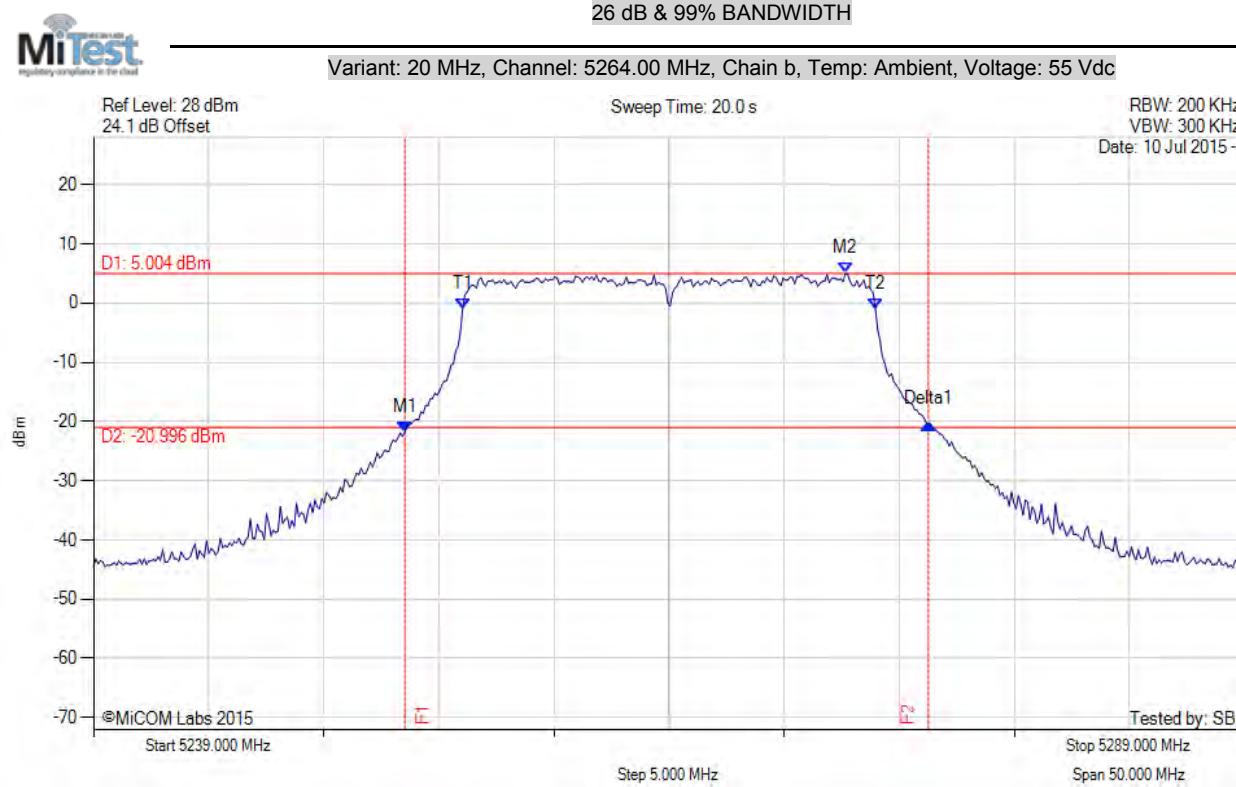
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5252.727 MHz : -20.033 dBm M2 : 5260.844 MHz : 6.731 dBm Delta1 : 22.445 MHz : 1.975 dB T1 : 5255.032 MHz : -0.420 dBm T2 : 5272.968 MHz : 0.459 dBm OBW : 17.936 MHz | Measured 26 dB Bandwidth: 22.445 MHz Measured 99% Bandwidth: 17.936 MHz |

[back to matrix](#)

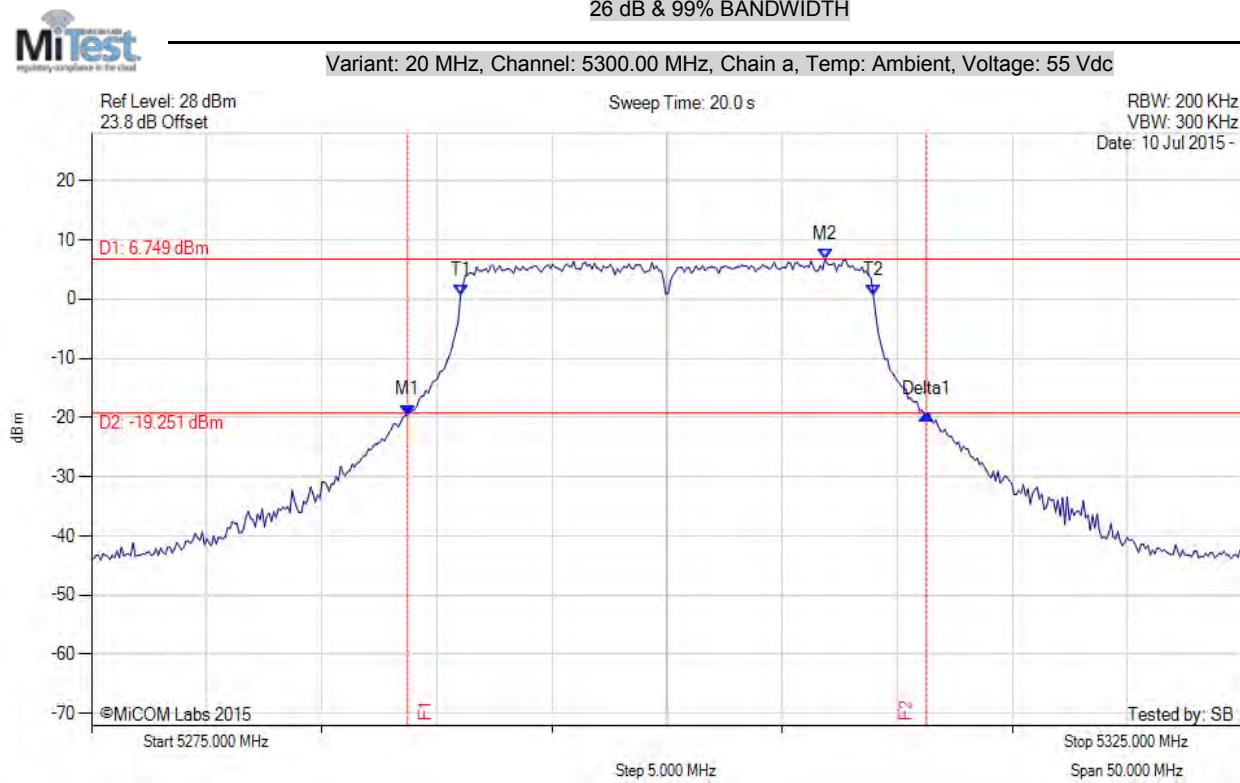
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5252.527 MHz : -21.760 dBm M2 : 5271.665 MHz : 5.004 dBm Delta1 : 22.745 MHz : 1.348 dB T1 : 5255.032 MHz : -1.013 dBm T2 : 5272.968 MHz : -1.017 dBm OBW : 17.936 MHz | Measured 26 dB Bandwidth: 22.745 MHz Measured 99% Bandwidth: 17.936 MHz |

[back to matrix](#)

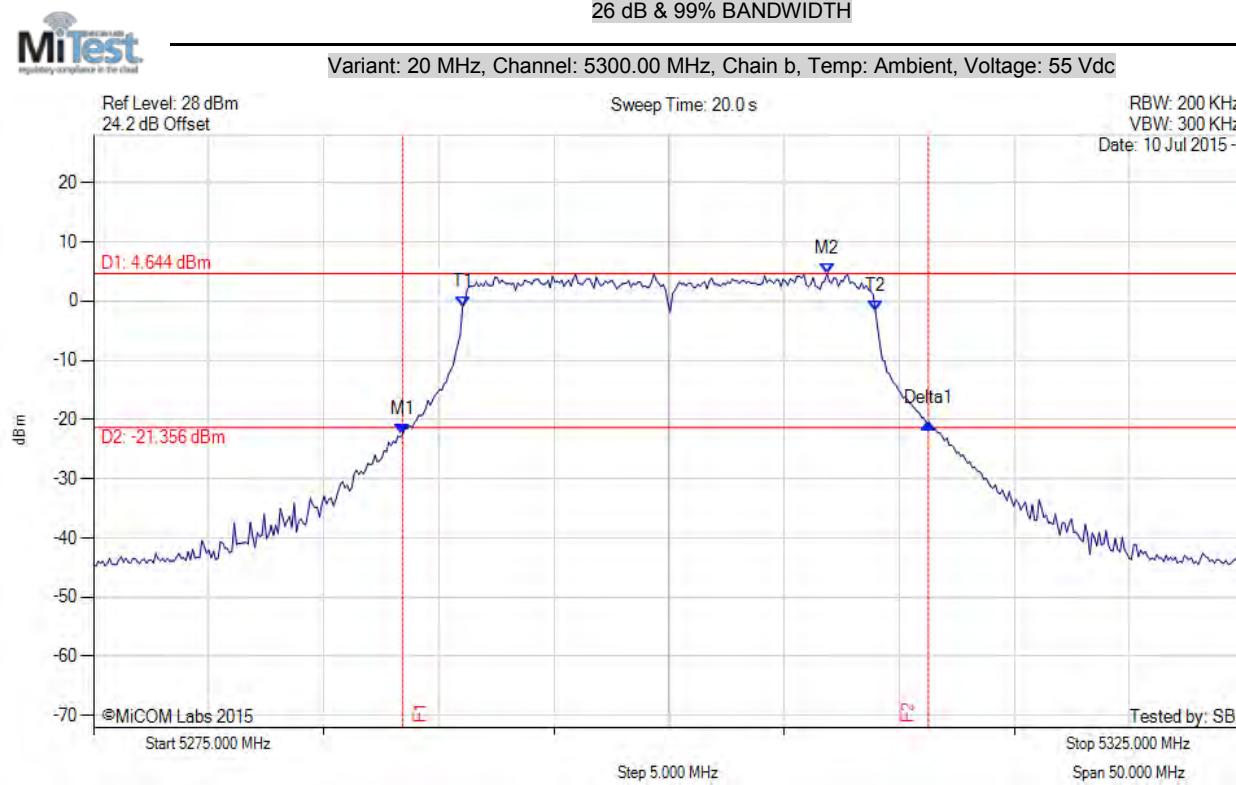
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5288.727 MHz : -19.584 dBm M2 : 5306.864 MHz : 6.749 dBm Delta1 : 22.545 MHz : 0.045 dB T1 : 5291.032 MHz : 0.673 dBm T2 : 5308.968 MHz : 0.557 dBm OBW : 17.936 MHz | Measured 26 dB Bandwidth: 22.545 MHz Measured 99% Bandwidth: 17.936 MHz |

[back to matrix](#)

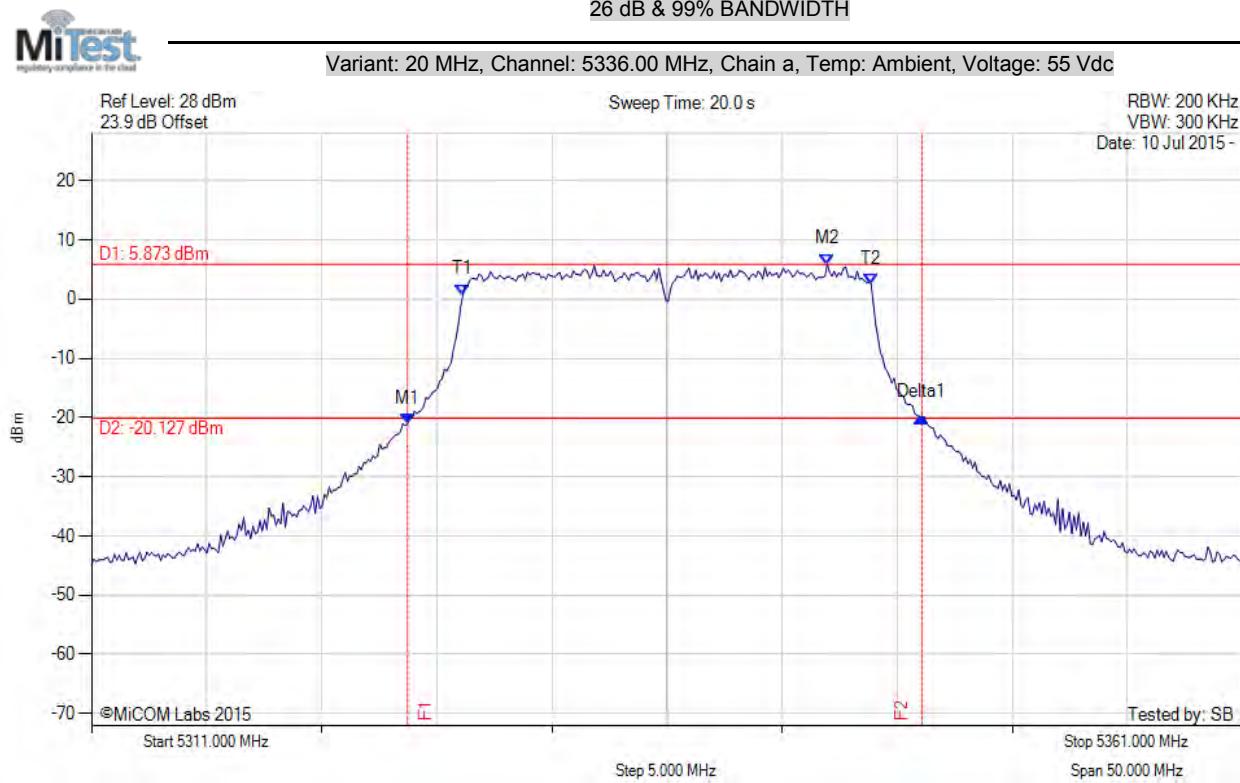
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5288.427 MHz : -22.524 dBm M2 : 5306.864 MHz : 4.644 dBm Delta1 : 22.846 MHz : 1.828 dB T1 : 5291.032 MHz : -1.052 dBm T2 : 5308.968 MHz : -1.762 dBm OBW : 17.936 MHz | Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 17.936 MHz |

[back to matrix](#)

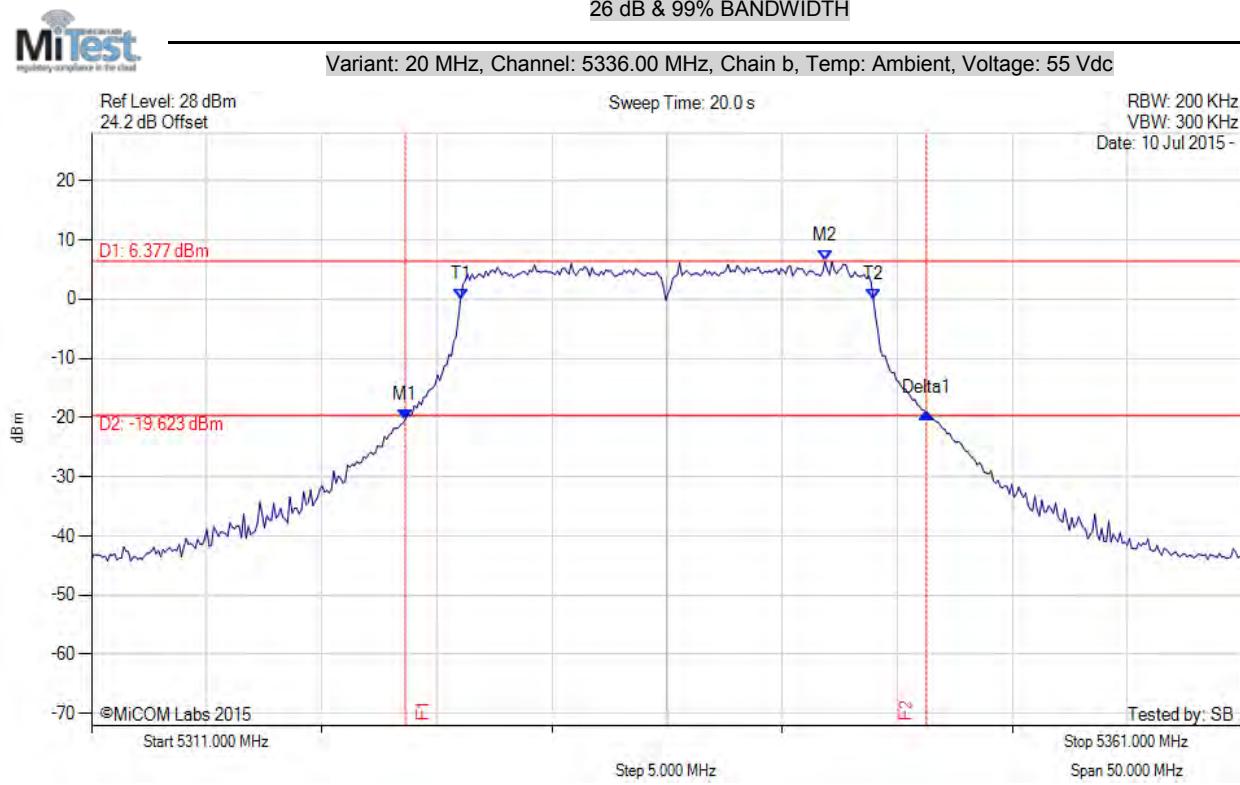
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5324.727 MHz : -21.019 dBm M2 : 5342.964 MHz : 5.873 dBm Delta1 : 22.345 MHz : 1.084 dB T1 : 5327.132 MHz : 0.746 dBm T2 : 5344.868 MHz : 2.517 dBm OBW : 17.735 MHz | Measured 26 dB Bandwidth: 22.345 MHz Measured 99% Bandwidth: 17.735 MHz |

[back to matrix](#)

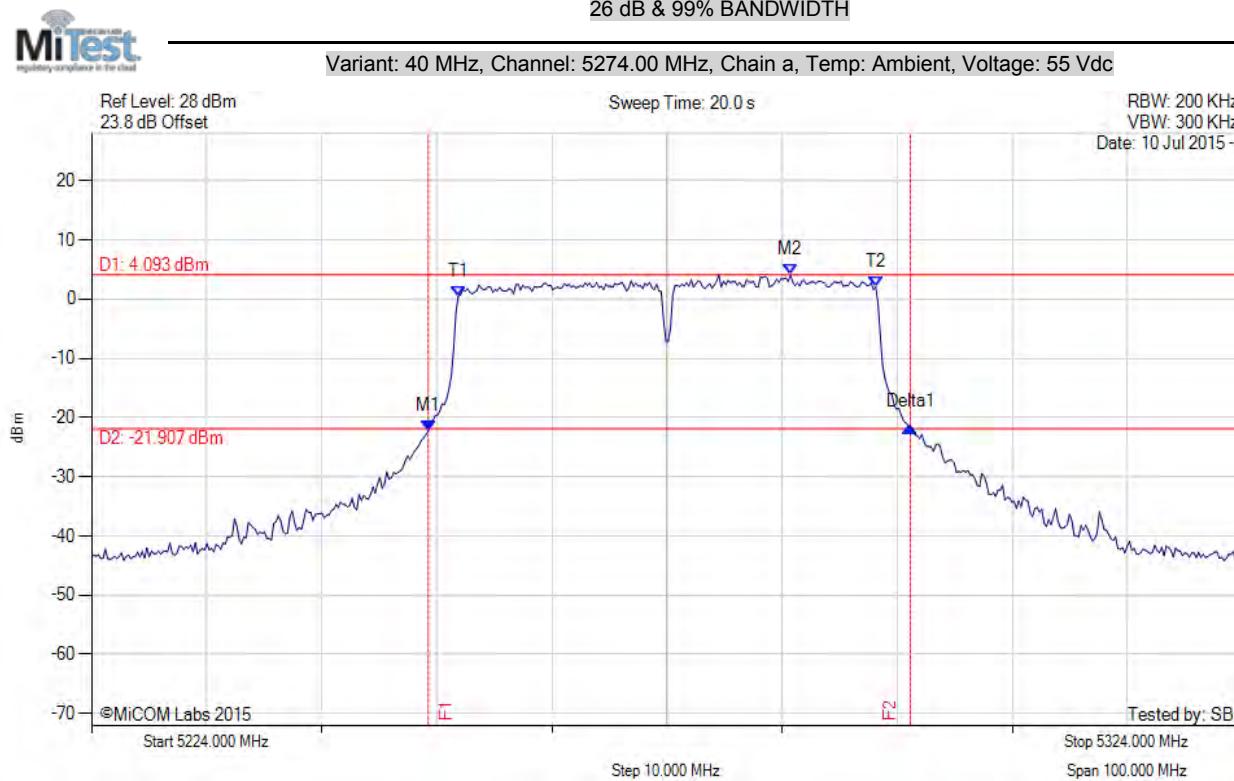
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5324.627 MHz : -20.379 dBm M2 : 5342.864 MHz : 6.377 dBm Delta1 : 22.645 MHz : 1.098 dB T1 : 5327.032 MHz : 0.024 dBm T2 : 5344.968 MHz : -0.159 dBm OBW : 17.936 MHz | Measured 26 dB Bandwidth: 22.645 MHz Measured 99% Bandwidth: 17.936 MHz |

[back to matrix](#)

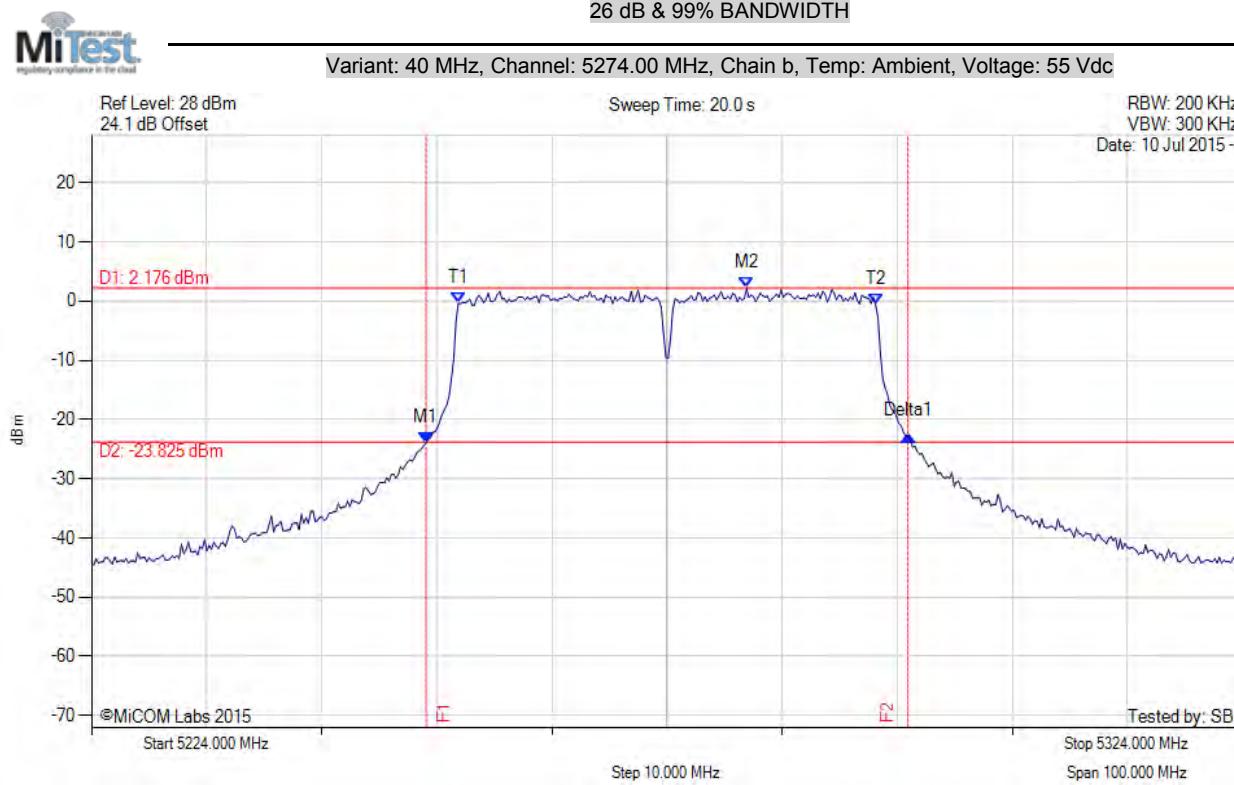
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5253.259 MHz : -22.264 dBm M2 : 5284.721 MHz : 4.093 dBm Delta1 : 41.884 MHz : 0.667 dB T1 : 5255.864 MHz : 0.494 dBm T2 : 5292.136 MHz : 2.084 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.884 MHz Measured 99% Bandwidth: 36.273 MHz |

[back to matrix](#)

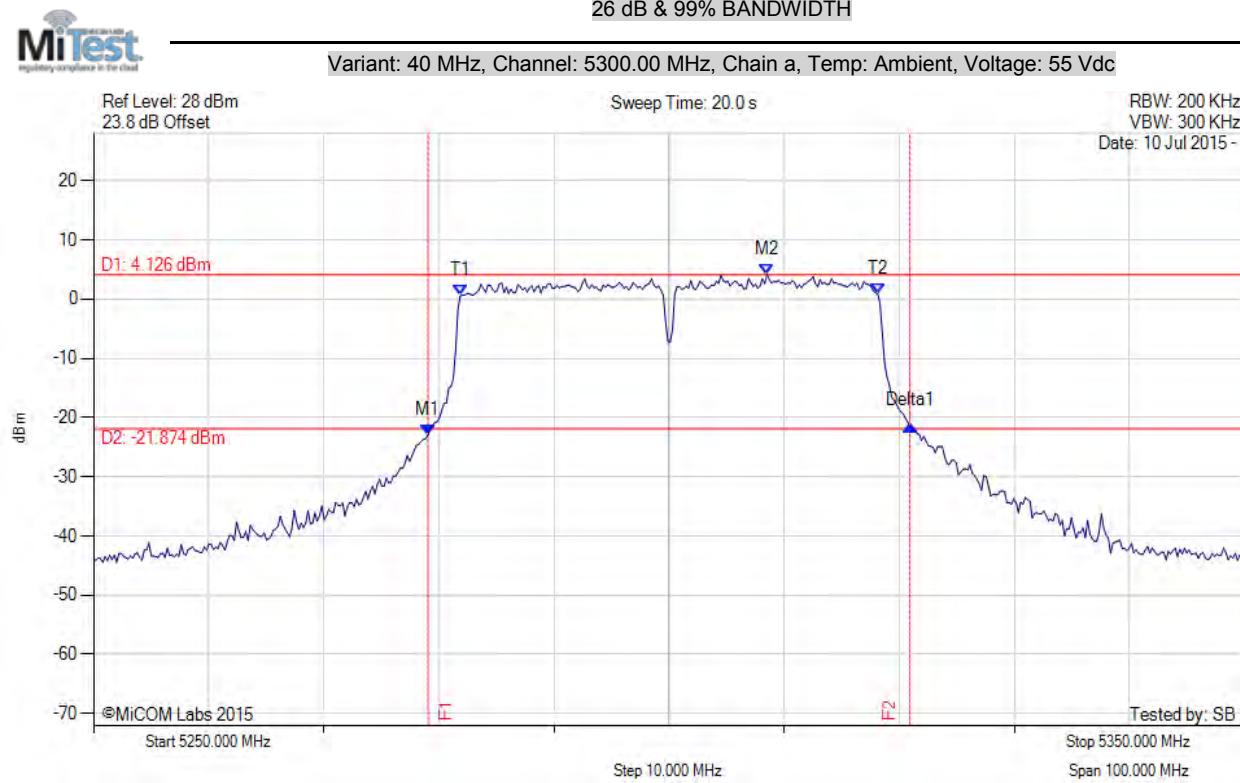
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5253.058 MHz : -23.930 dBm M2 : 5280.914 MHz : 2.176 dBm Delta1 : 41.884 MHz : 1.096 dB T1 : 5255.864 MHz : -0.363 dBm T2 : 5292.136 MHz : -0.637 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.884 MHz Measured 99% Bandwidth: 36.273 MHz |

[back to matrix](#)

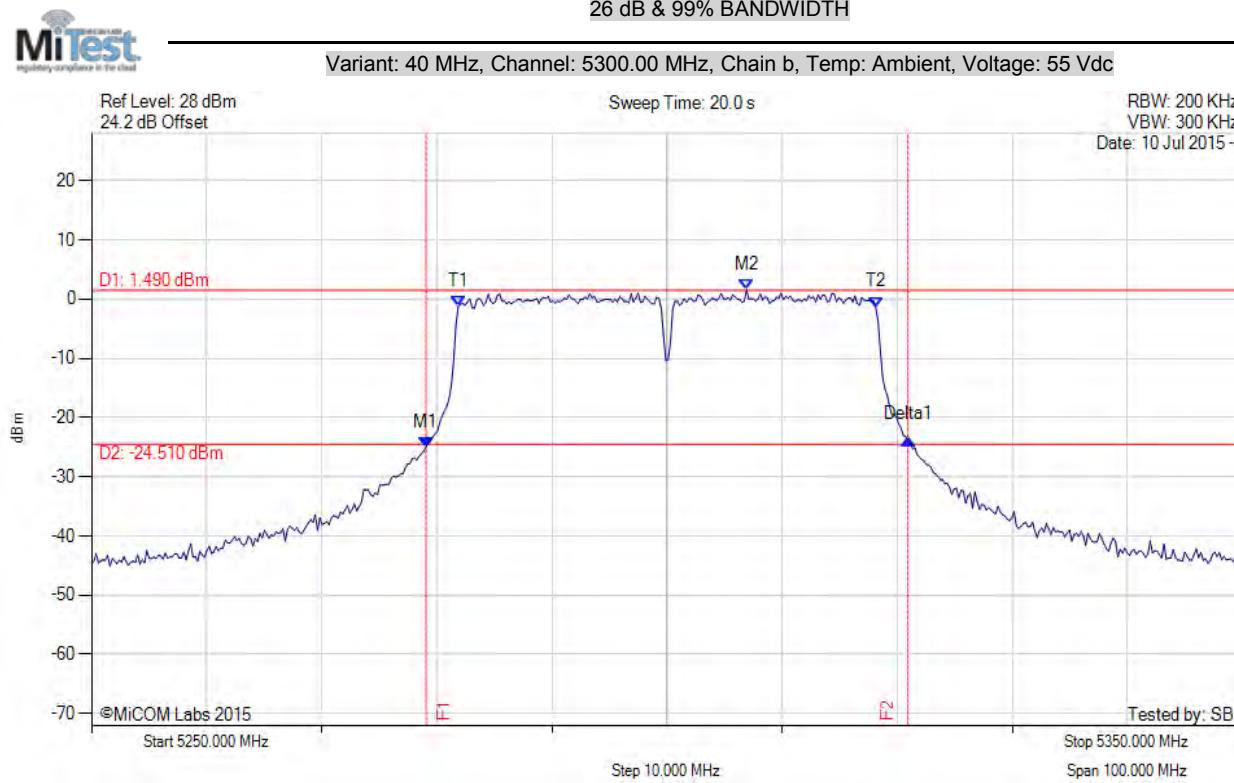
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5279.058 MHz : -22.958 dBm M2 : 5308.517 MHz : 4.126 dBm Delta1 : 41.884 MHz : 1.527 dB T1 : 5281.864 MHz : 0.553 dBm T2 : 5318.136 MHz : 0.947 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.884 MHz Measured 99% Bandwidth: 36.273 MHz |

[back to matrix](#)

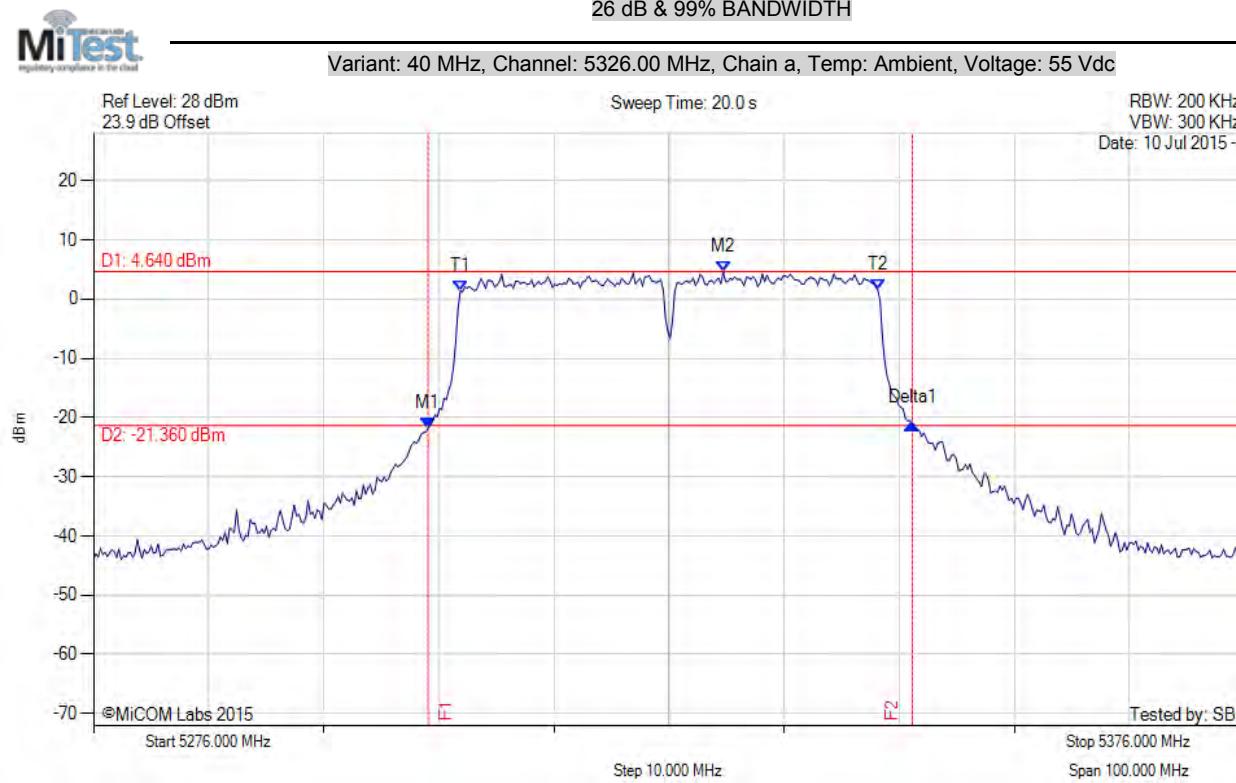
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5279.058 MHz : -25.034 dBm M2 : 5306.914 MHz : 1.490 dBm Delta1 : 41.884 MHz : 1.340 dB T1 : 5281.864 MHz : -1.184 dBm T2 : 5318.136 MHz : -1.369 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.884 MHz Measured 99% Bandwidth: 36.273 MHz |

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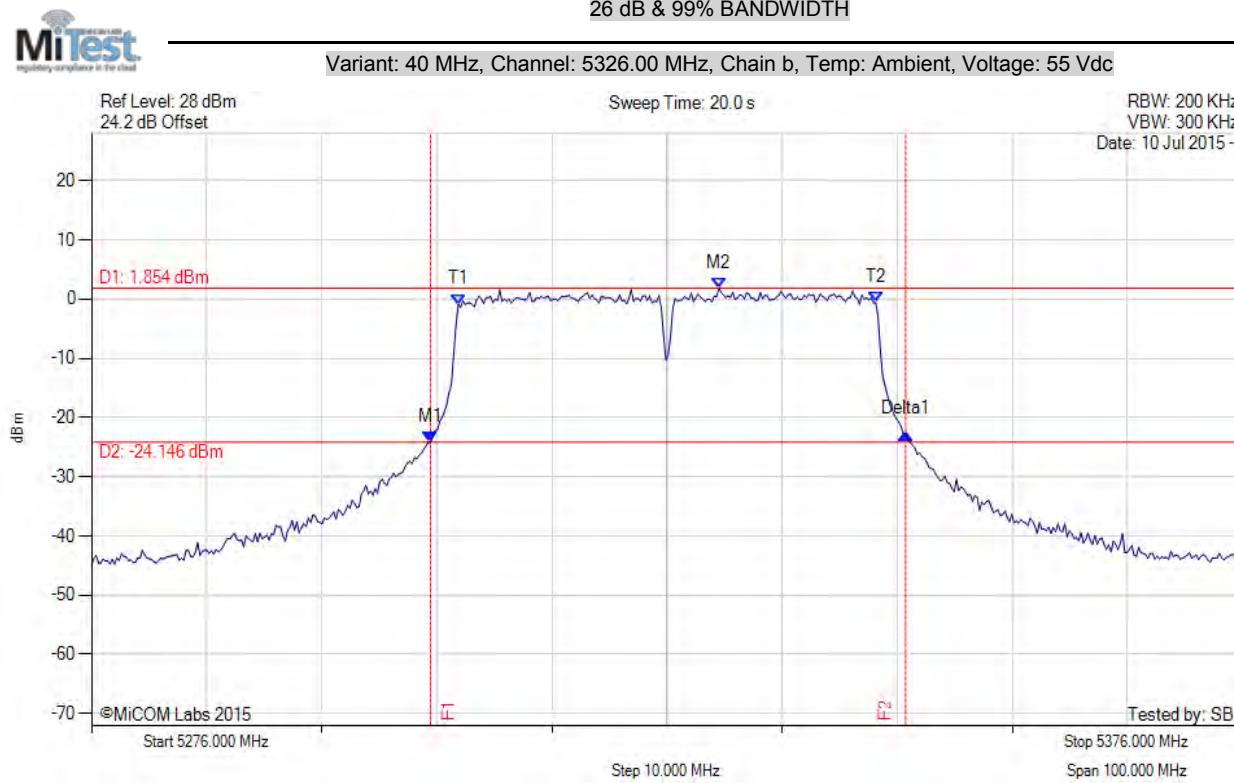
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5305.058 MHz : -21.808 dBm M2 : 5330.709 MHz : 4.640 dBm Delta1 : 42.084 MHz : 0.807 dB T1 : 5307.864 MHz : 1.305 dBm T2 : 5344.136 MHz : 1.576 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 42.084 MHz Measured 99% Bandwidth: 36.273 MHz |

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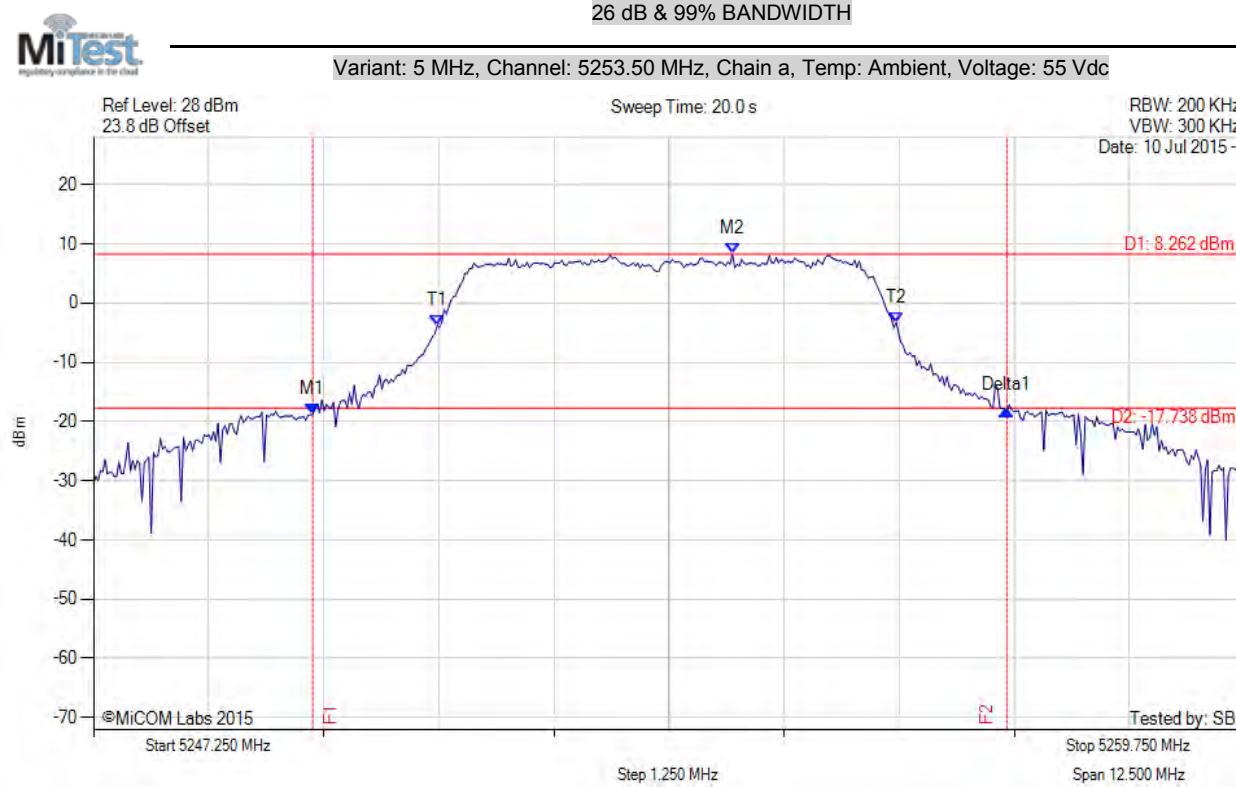
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5305.459 MHz : -24.210 dBm M2 : 5330.509 MHz : 1.854 dBm Delta1 : 41.283 MHz : 1.450 dB T1 : 5307.864 MHz : -0.879 dBm T2 : 5344.136 MHz : -0.627 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.283 MHz Measured 99% Bandwidth: 36.273 MHz |

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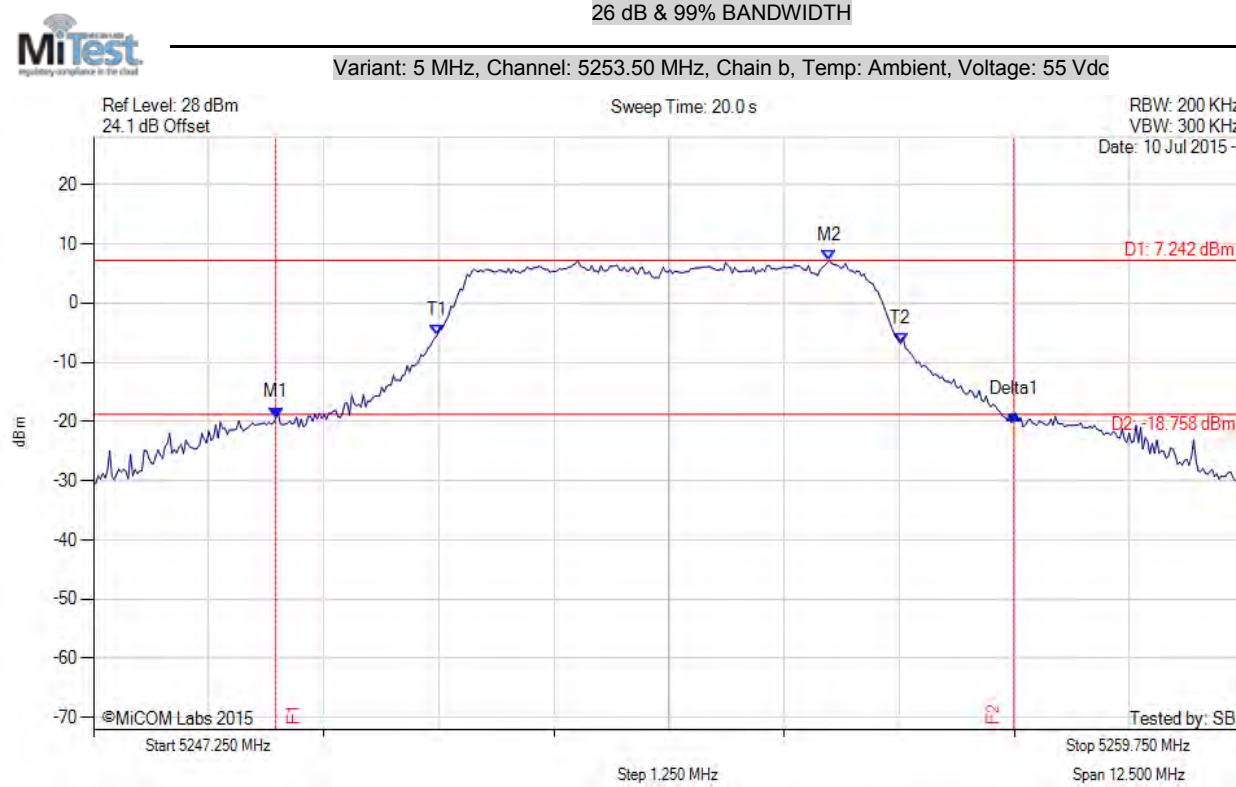
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5249.630 MHz : -18.845 dBm M2 : 5254.189 MHz : 8.262 dBm Delta1 : 7.540 MHz : 0.677 dB T1 : 5250.982 MHz : -3.808 dBm T2 : 5255.967 MHz : -3.277 dBm OBW : 4.985 MHz | Measured 26 dB Bandwidth: 7.540 MHz Measured 99% Bandwidth: 4.985 MHz |

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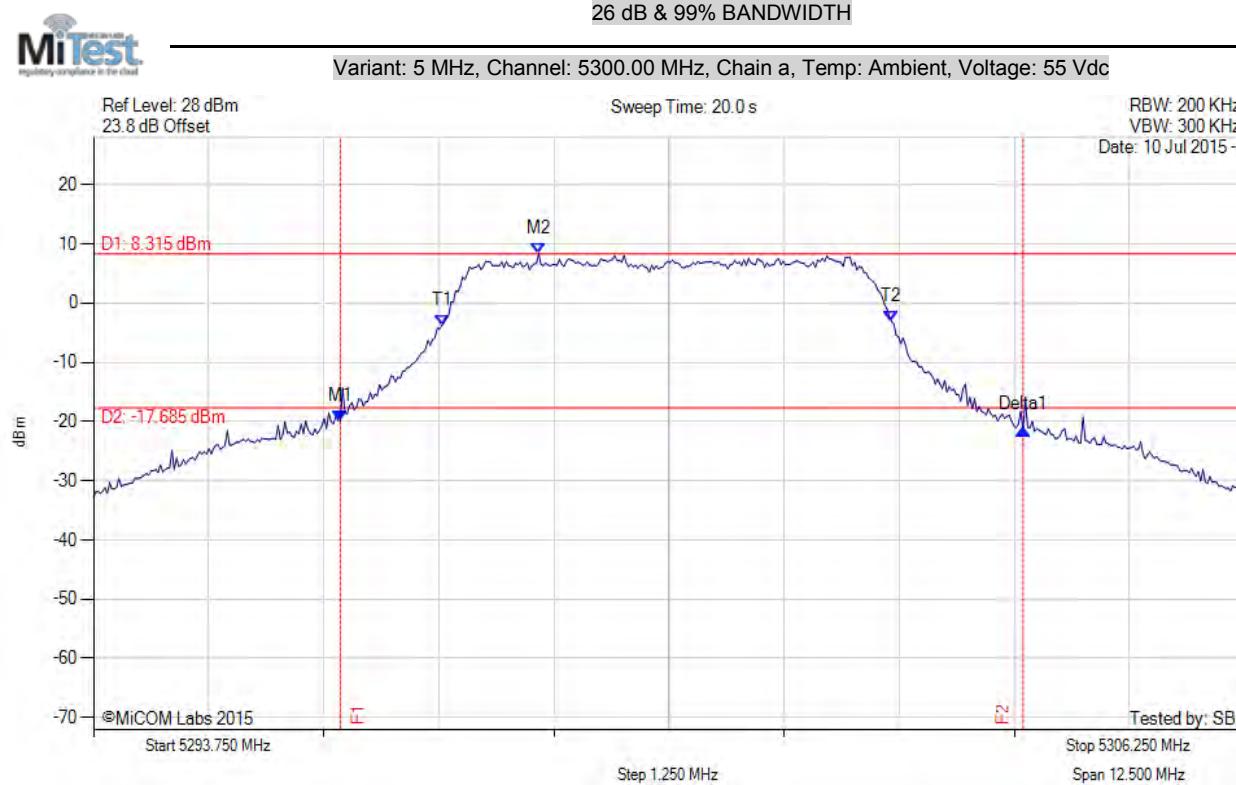
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5249.229 MHz : -19.366 dBm M2 : 5255.241 MHz : 7.242 dBm Delta1 : 8.016 MHz : 0.630 dB T1 : 5250.982 MHz : -5.477 dBm T2 : 5256.018 MHz : -6.806 dBm OBW : 5.035 MHz | Measured 26 dB Bandwidth: 8.016 MHz Measured 99% Bandwidth: 5.035 MHz |

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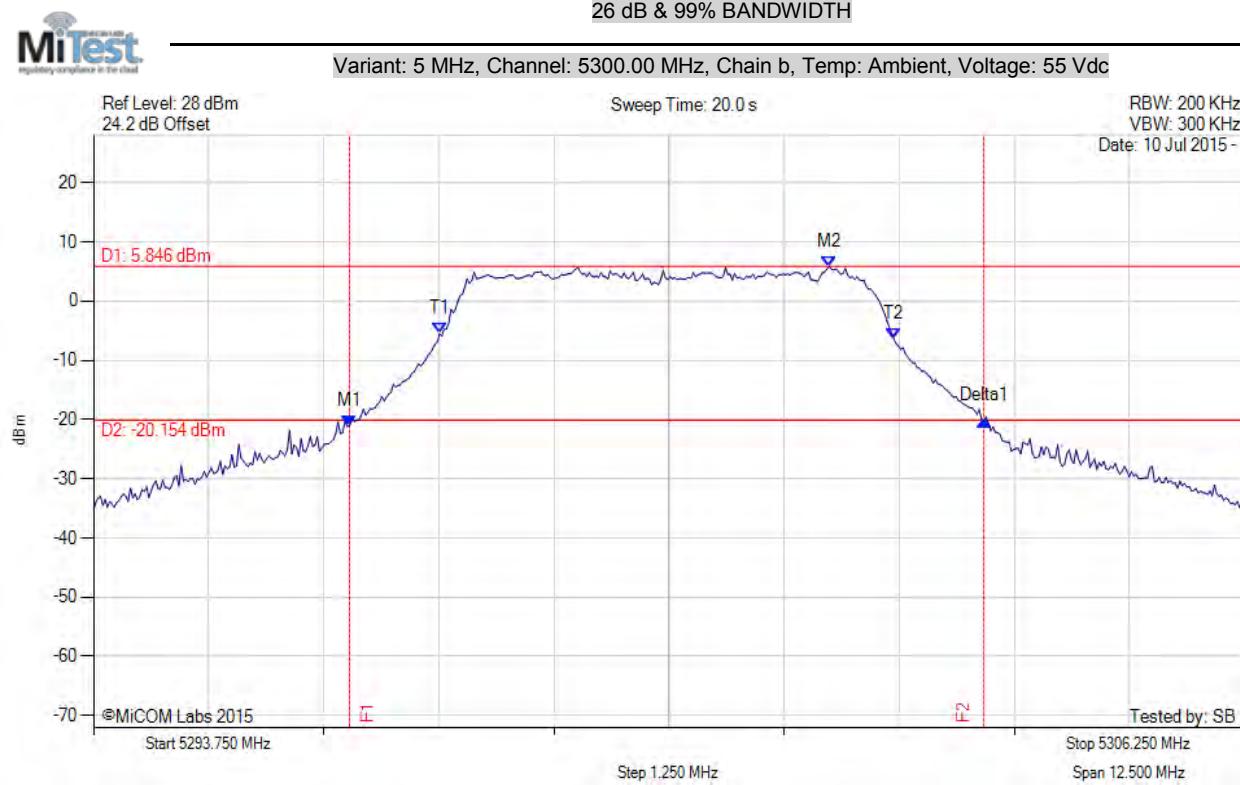
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5296.430 MHz : -19.885 dBm M2 : 5298.585 MHz : 8.315 dBm Delta1 : 7.415 MHz : -1.546 dB T1 : 5297.533 MHz : -3.808 dBm T2 : 5302.417 MHz : -3.155 dBm OBW : 4.885 MHz | Measured 26 dB Bandwidth: 7.415 MHz Measured 99% Bandwidth: 4.885 MHz |

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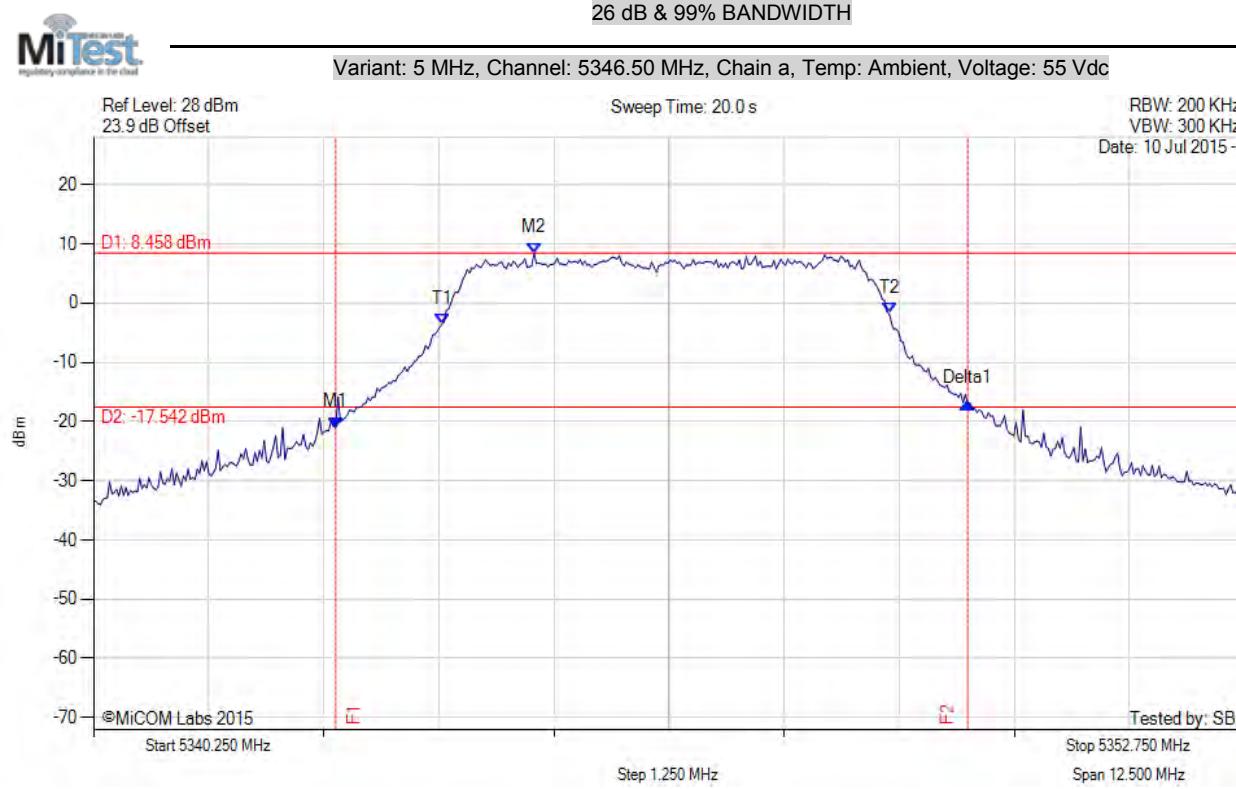
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5296.531 MHz : -21.184 dBm M2 : 5301.741 MHz : 5.846 dBm Delta1 : 6.889 MHz : 1.013 dB T1 : 5297.508 MHz : -5.524 dBm T2 : 5302.442 MHz : -6.383 dBm OBW : 4.935 MHz | Measured 26 dB Bandwidth: 6.889 MHz Measured 99% Bandwidth: 4.935 MHz |

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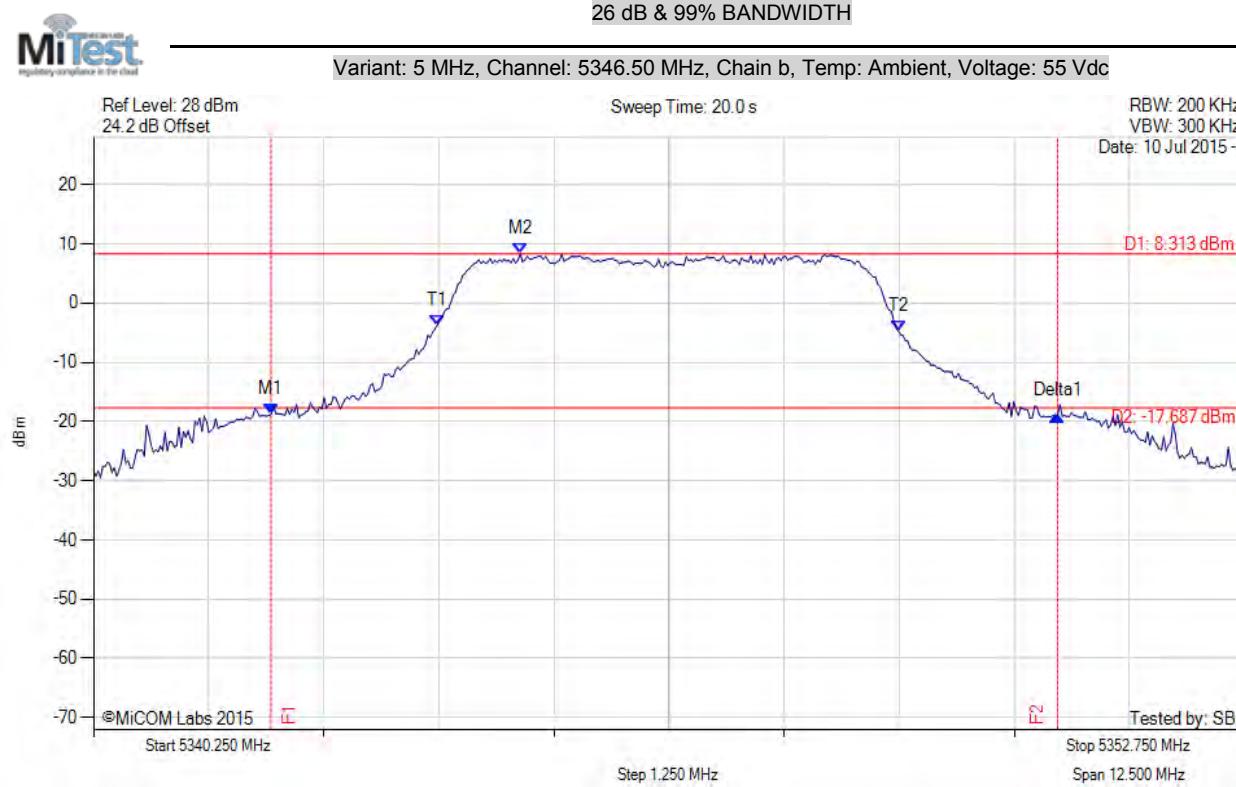
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5342.880 MHz : -20.983 dBm M2 : 5345.035 MHz : 8.458 dBm Delta1 : 6.864 MHz : 4.122 dB T1 : 5344.033 MHz : -3.568 dBm T2 : 5348.892 MHz : -1.803 dBm OBW : 4.860 MHz | Measured 26 dB Bandwidth: 6.864 MHz Measured 99% Bandwidth: 4.860 MHz |

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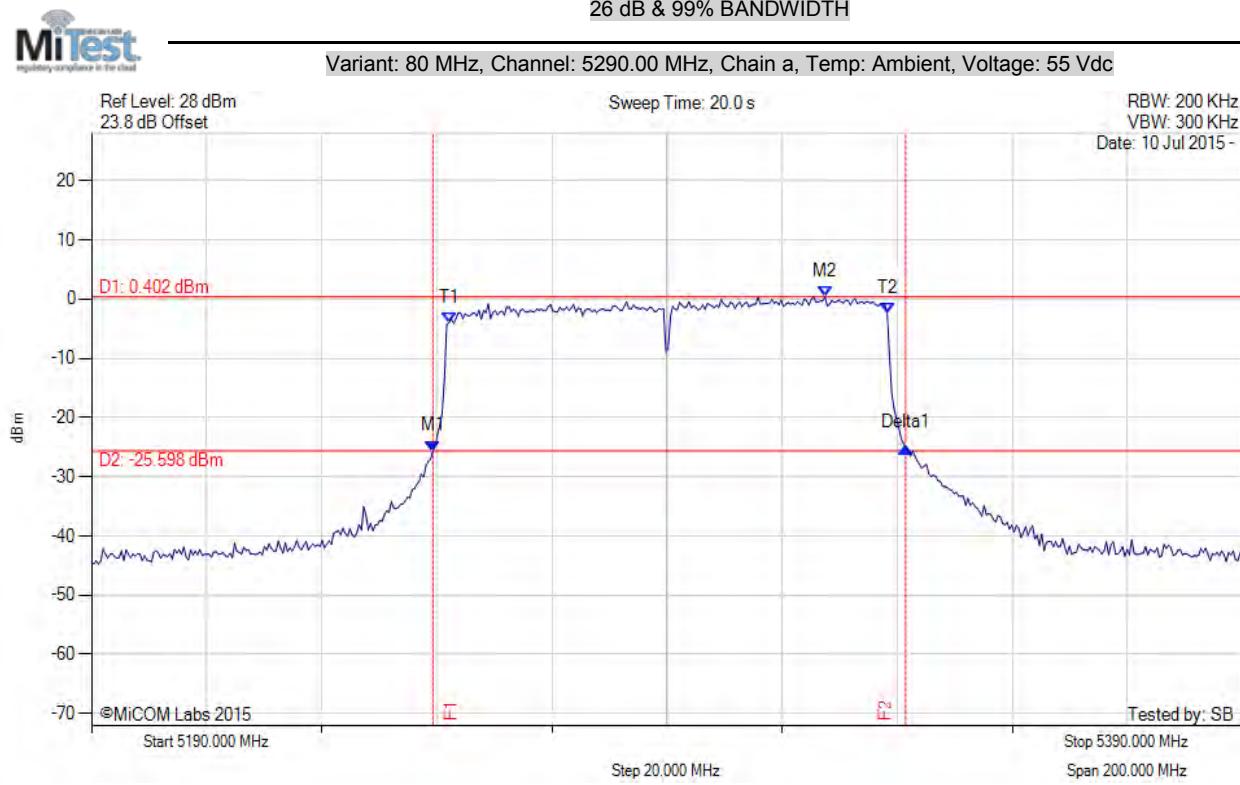
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5342.179 MHz : -18.796 dBm M2 : 5344.884 MHz : 8.313 dBm Delta1 : 8.542 MHz : -0.142 dB T1 : 5343.982 MHz : -3.794 dBm T2 : 5348.992 MHz : -4.770 dBm OBW : 5.010 MHz | Measured 26 dB Bandwidth: 8.542 MHz Measured 99% Bandwidth: 5.010 MHz |

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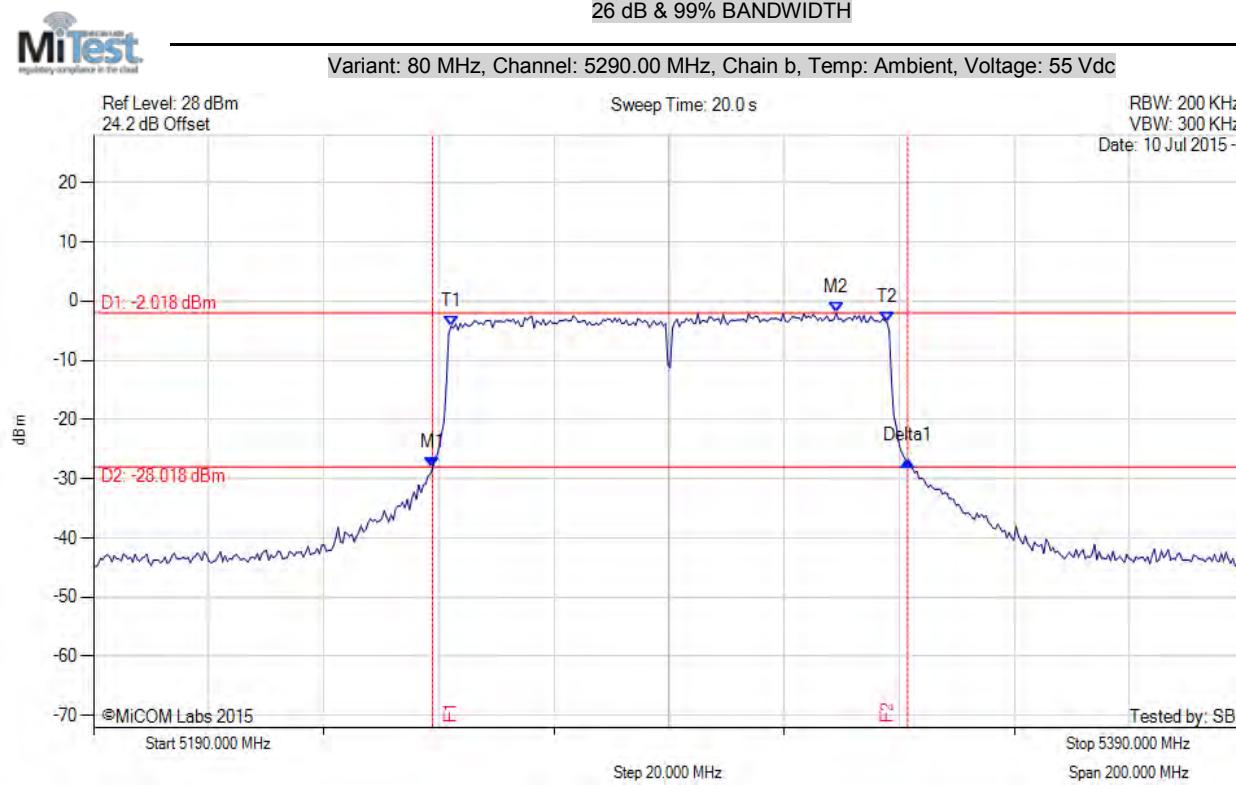
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5249.319 MHz : -25.673 dBm M2 : 5317.455 MHz : 0.402 dBm Delta1 : 82.164 MHz : 0.667 dB T1 : 5252.124 MHz : -3.950 dBm T2 : 5328.277 MHz : -2.437 dBm OBW : 76.152 MHz | Measured 26 dB Bandwidth: 82.164 MHz Measured 99% Bandwidth: 76.152 MHz |

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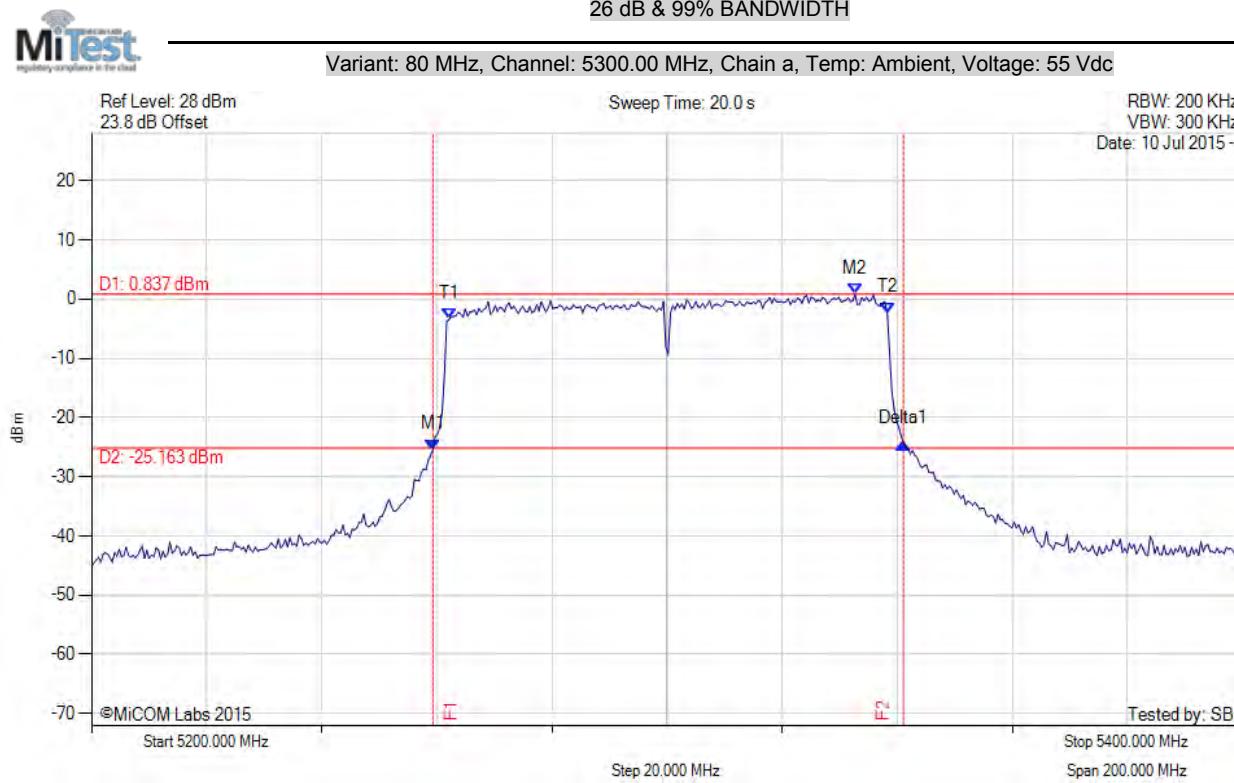
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5248.918 MHz : -28.221 dBm M2 : 5319.058 MHz : -2.018 dBm Delta1 : 82.565 MHz : 1.178 dB T1 : 5252.124 MHz : -4.251 dBm T2 : 5327.876 MHz : -3.574 dBm OBW : 75.752 MHz | Measured 26 dB Bandwidth: 82.565 MHz Measured 99% Bandwidth: 75.752 MHz |

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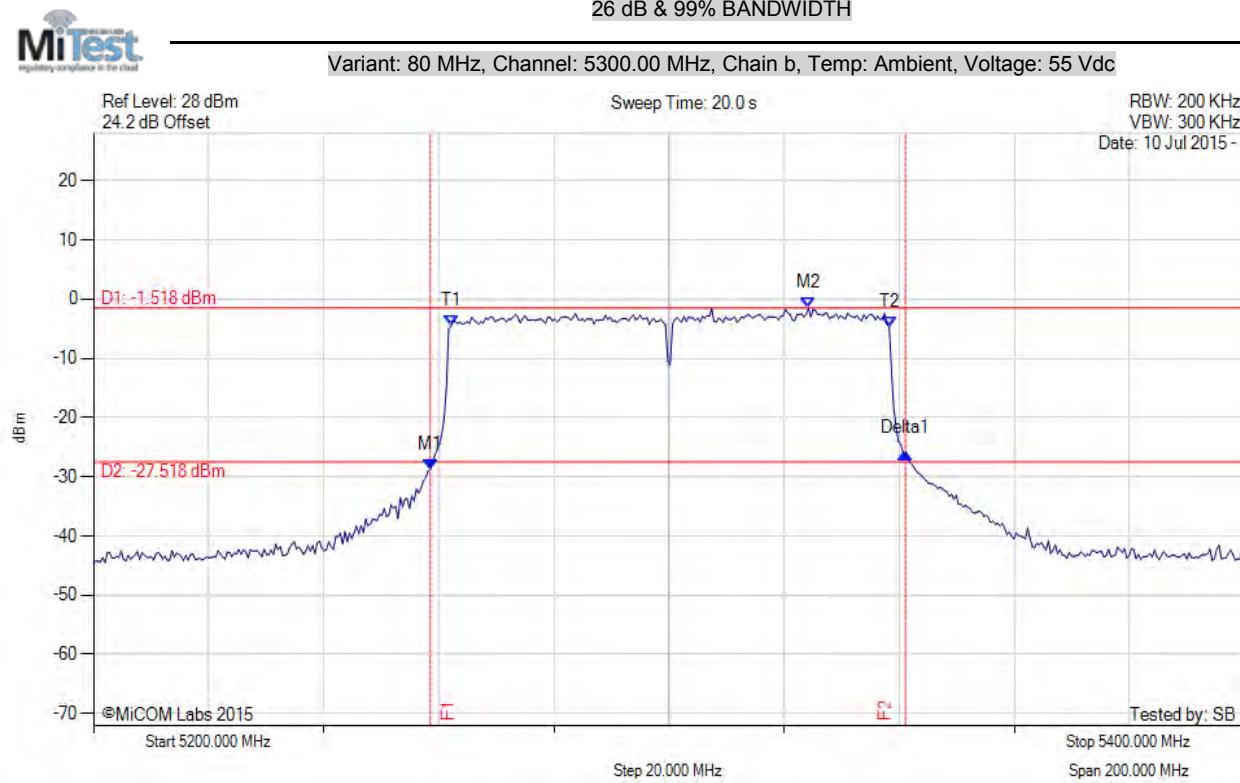
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5259.319 MHz : -25.445 dBm M2 : 5332.665 MHz : 0.837 dBm Delta1 : 81.764 MHz : 1.096 dB T1 : 5262.124 MHz : -3.448 dBm T2 : 5338.277 MHz : -2.301 dBm OBW : 76.152 MHz | Measured 26 dB Bandwidth: 81.764 MHz Measured 99% Bandwidth: 76.152 MHz |

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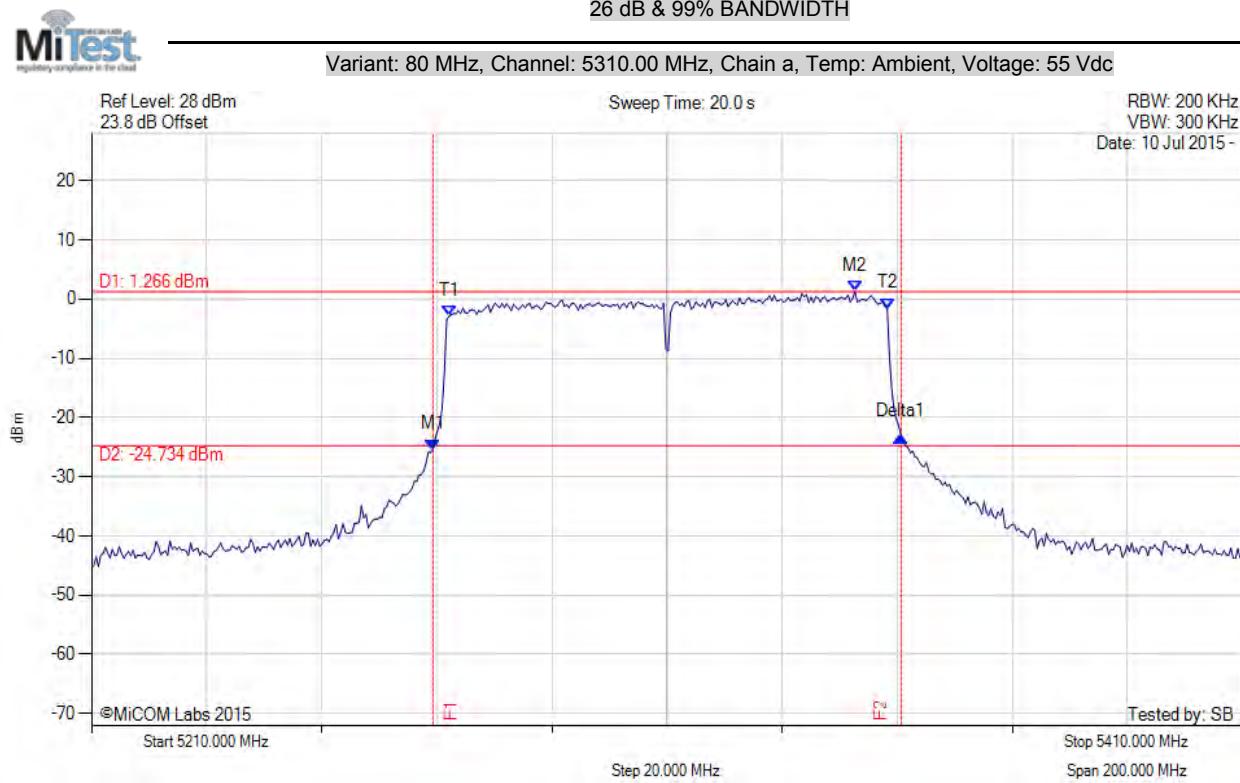
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5258.517 MHz : -28.752 dBm M2 : 5324.248 MHz : -1.518 dBm Delta1 : 82.565 MHz : 2.774 dB T1 : 5262.124 MHz : -4.611 dBm T2 : 5338.277 MHz : -4.688 dBm OBW : 76.152 MHz | Measured 26 dB Bandwidth: 82.565 MHz Measured 99% Bandwidth: 76.152 MHz |

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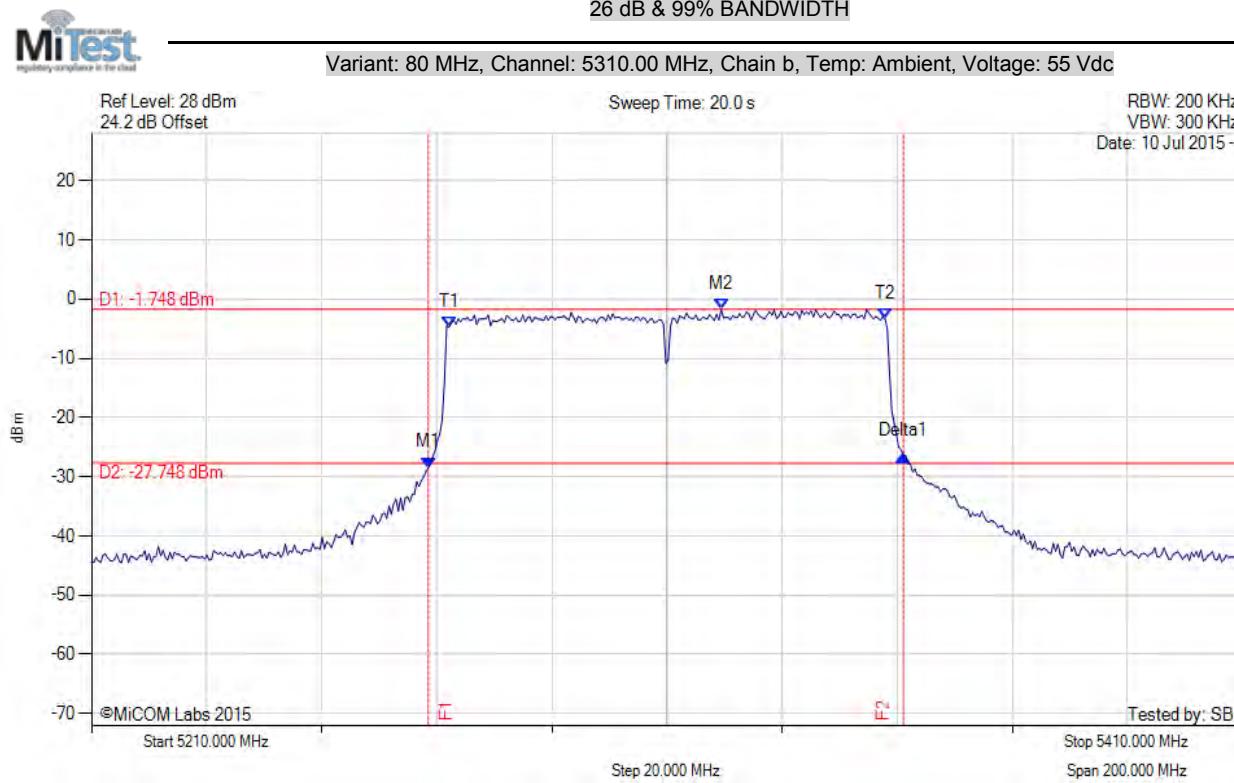
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5269.319 MHz : -25.422 dBm M2 : 5342.665 MHz : 1.266 dBm Delta1 : 81.363 MHz : 2.298 dB T1 : 5272.124 MHz : -2.909 dBm T2 : 5348.277 MHz : -1.587 dBm OBW : 76.152 MHz | Measured 26 dB Bandwidth: 81.363 MHz Measured 99% Bandwidth: 76.152 MHz |

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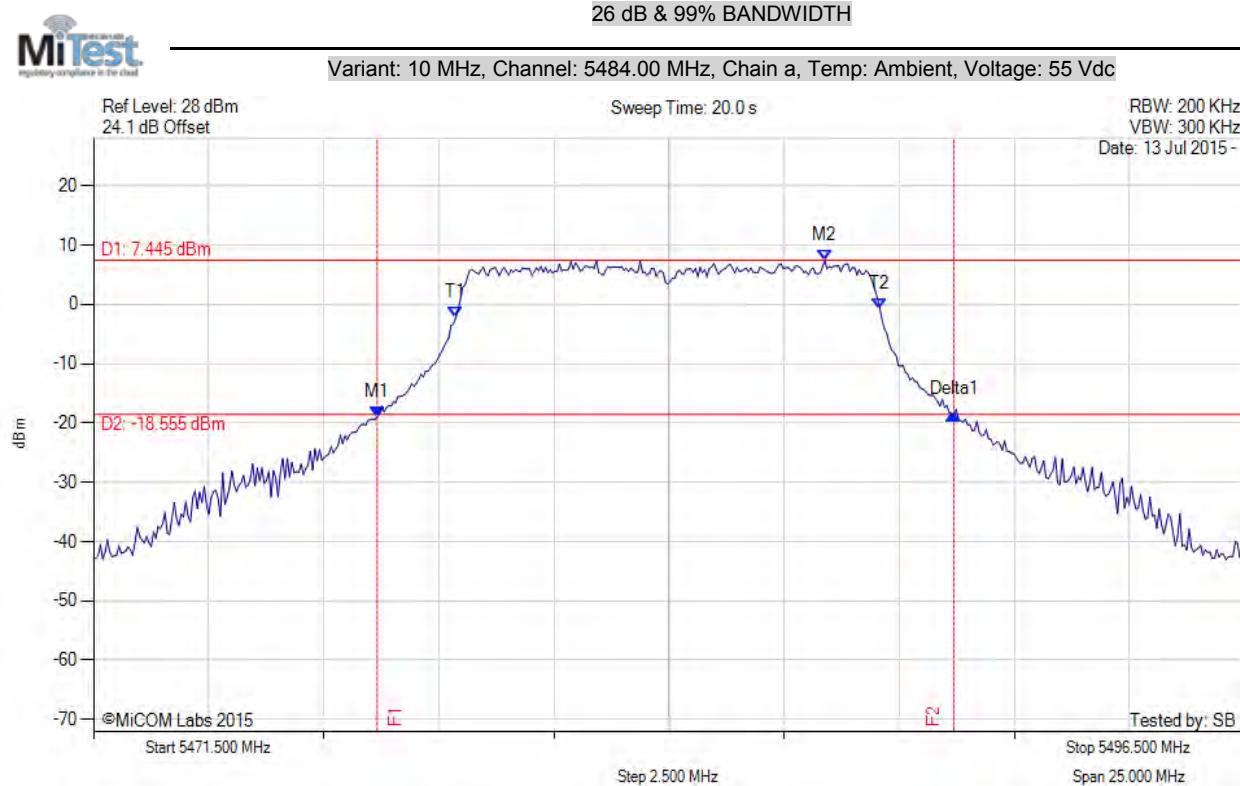
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5268.517 MHz : -28.471 dBm M2 : 5319.419 MHz : -1.748 dBm Delta1 : 82.565 MHz : 2.052 dB T1 : 5272.124 MHz : -4.715 dBm T2 : 5347.876 MHz : -3.283 dBm OBW : 75.752 MHz | Measured 26 dB Bandwidth: 82.565 MHz Measured 99% Bandwidth: 75.752 MHz |

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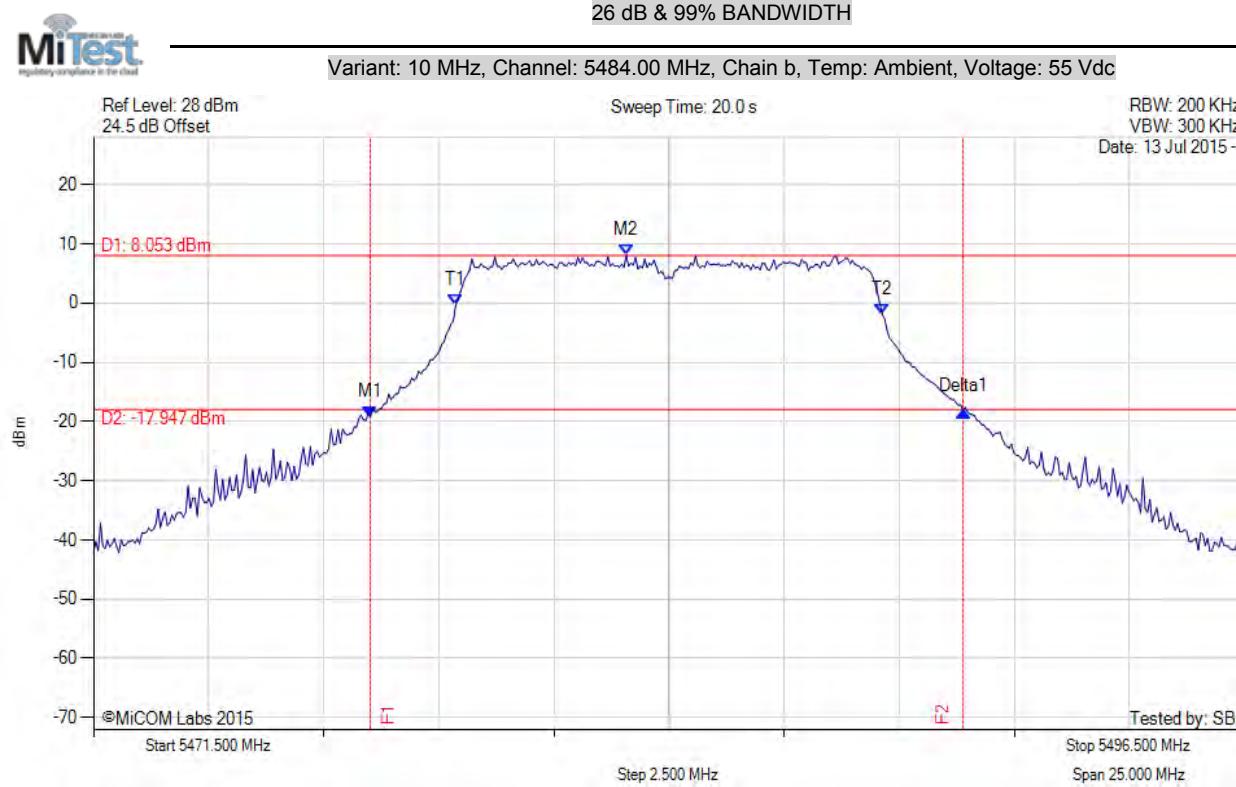
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5477.662 MHz : -18.937 dBm M2 : 5487.382 MHz : 7.445 dBm Delta1 : 12.525 MHz : 0.299 dB T1 : 5479.366 MHz : -2.248 dBm T2 : 5488.584 MHz : -0.836 dBm OBW : 9.218 MHz | Measured 26 dB Bandwidth: 12.525 MHz Measured 99% Bandwidth: 9.218 MHz |

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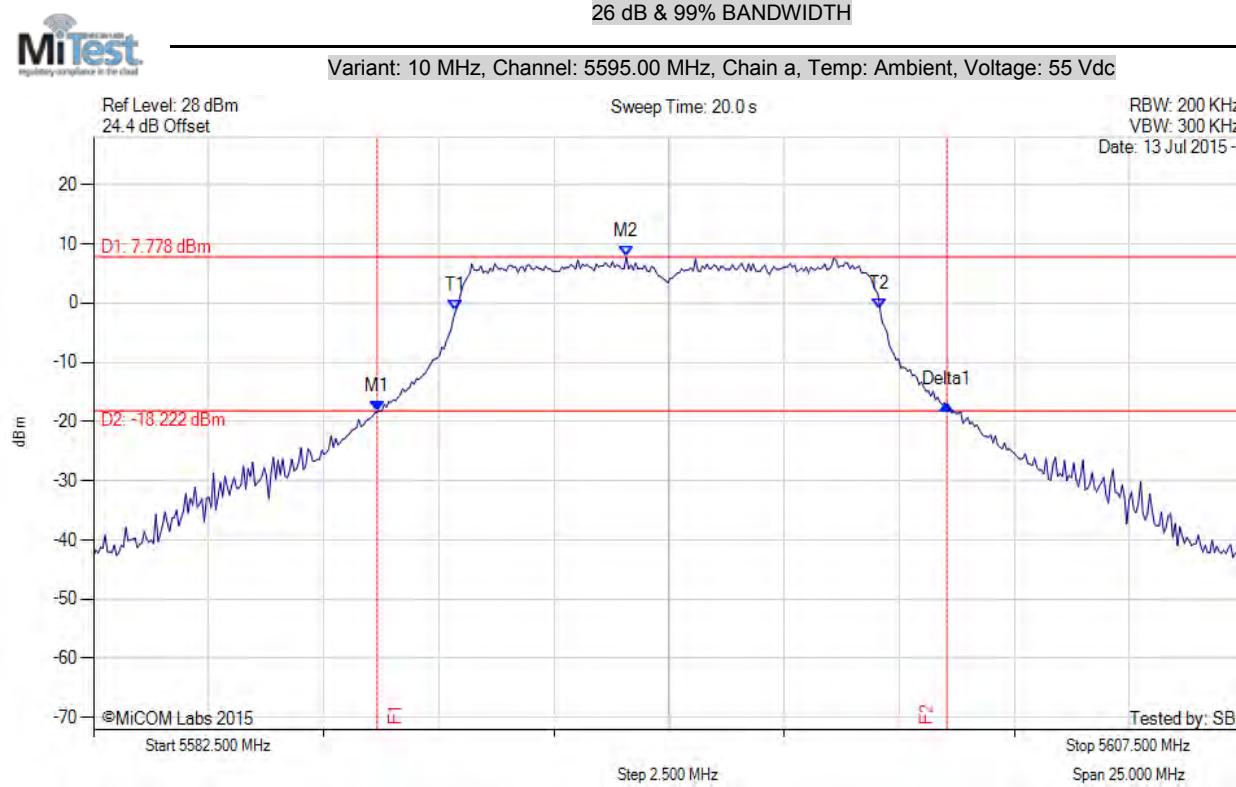
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5477.512 MHz : -19.297 dBm M2 : 5483.073 MHz : 8.053 dBm Delta1 : 12.876 MHz : 1.094 dB T1 : 5479.366 MHz : -0.367 dBm T2 : 5488.634 MHz : -1.981 dBm OBW : 9.269 MHz | Measured 26 dB Bandwidth: 12.876 MHz Measured 99% Bandwidth: 9.269 MHz |

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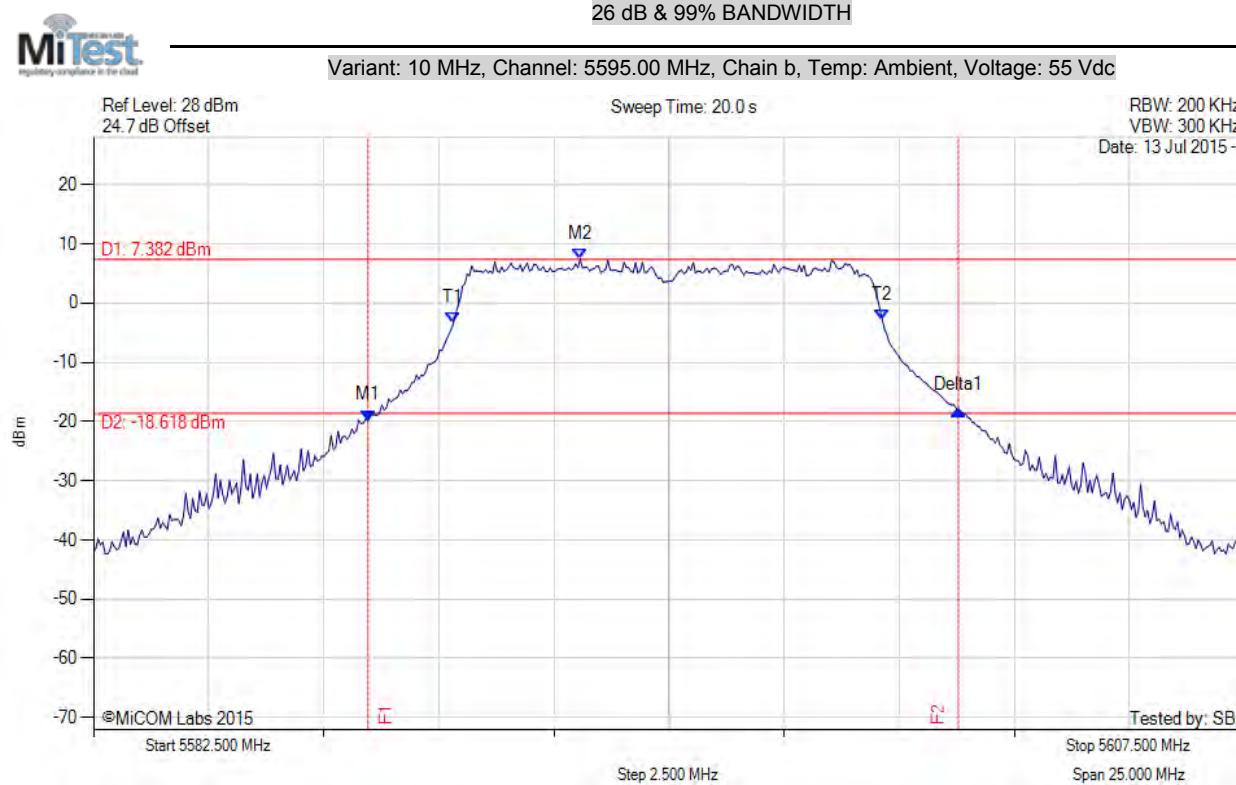
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5588.662 MHz : -18.349 dBm M2 : 5594.073 MHz : 7.778 dBm Delta1 : 12.375 MHz : 1.212 dB T1 : 5590.366 MHz : -1.308 dBm T2 : 5599.584 MHz : -1.046 dBm OBW : 9.218 MHz | Measured 26 dB Bandwidth: 12.375 MHz Measured 99% Bandwidth: 9.218 MHz |

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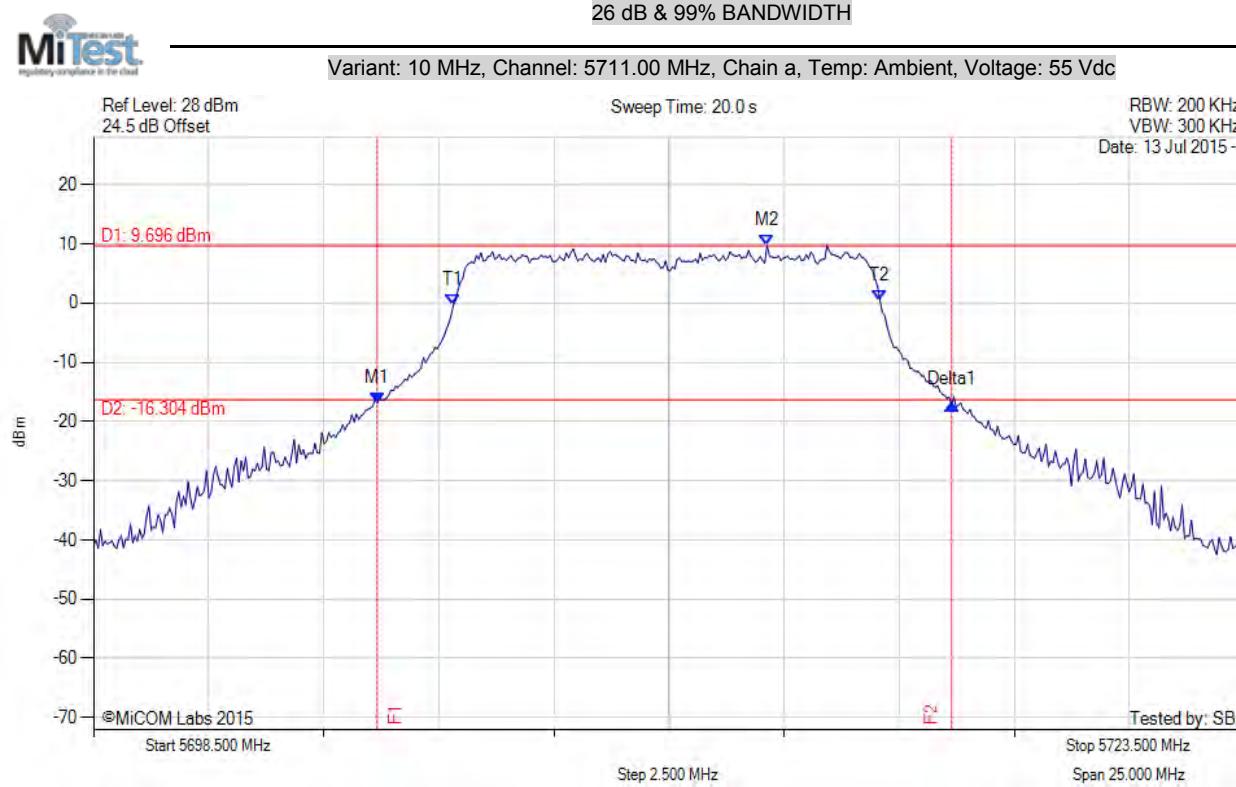
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5588.462 MHz : -19.819 dBm M2 : 5593.071 MHz : 7.382 dBm Delta1 : 12.826 MHz : 1.782 dB T1 : 5590.316 MHz : -3.427 dBm T2 : 5599.634 MHz : -2.919 dBm OBW : 9.319 MHz | Measured 26 dB Bandwidth: 12.826 MHz Measured 99% Bandwidth: 9.319 MHz |

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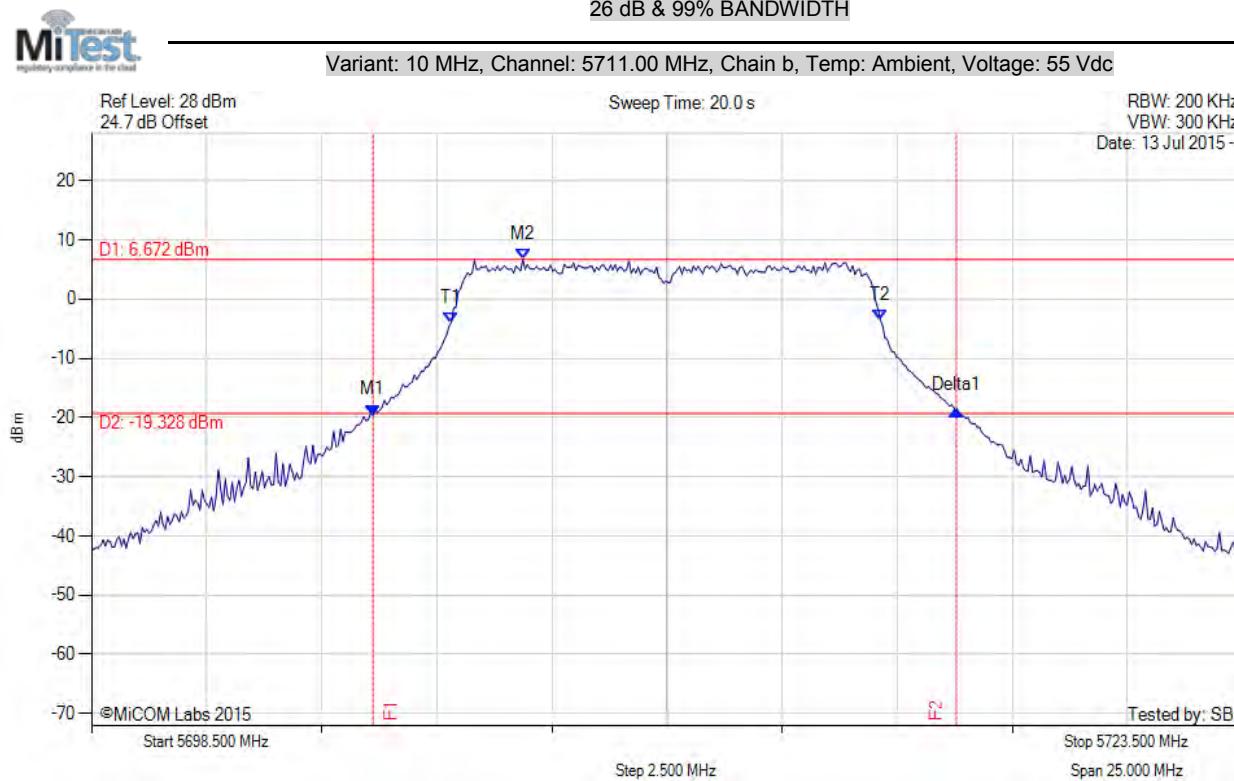
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5704.662 MHz : -16.816 dBm M2 : 5713.129 MHz : 9.696 dBm Delta1 : 12.475 MHz : -0.299 dB T1 : 5706.316 MHz : -0.359 dBm T2 : 5715.584 MHz : 0.363 dBm OBW : 9.269 MHz | Measured 26 dB Bandwidth: 12.475 MHz Measured 99% Bandwidth: 9.269 MHz |

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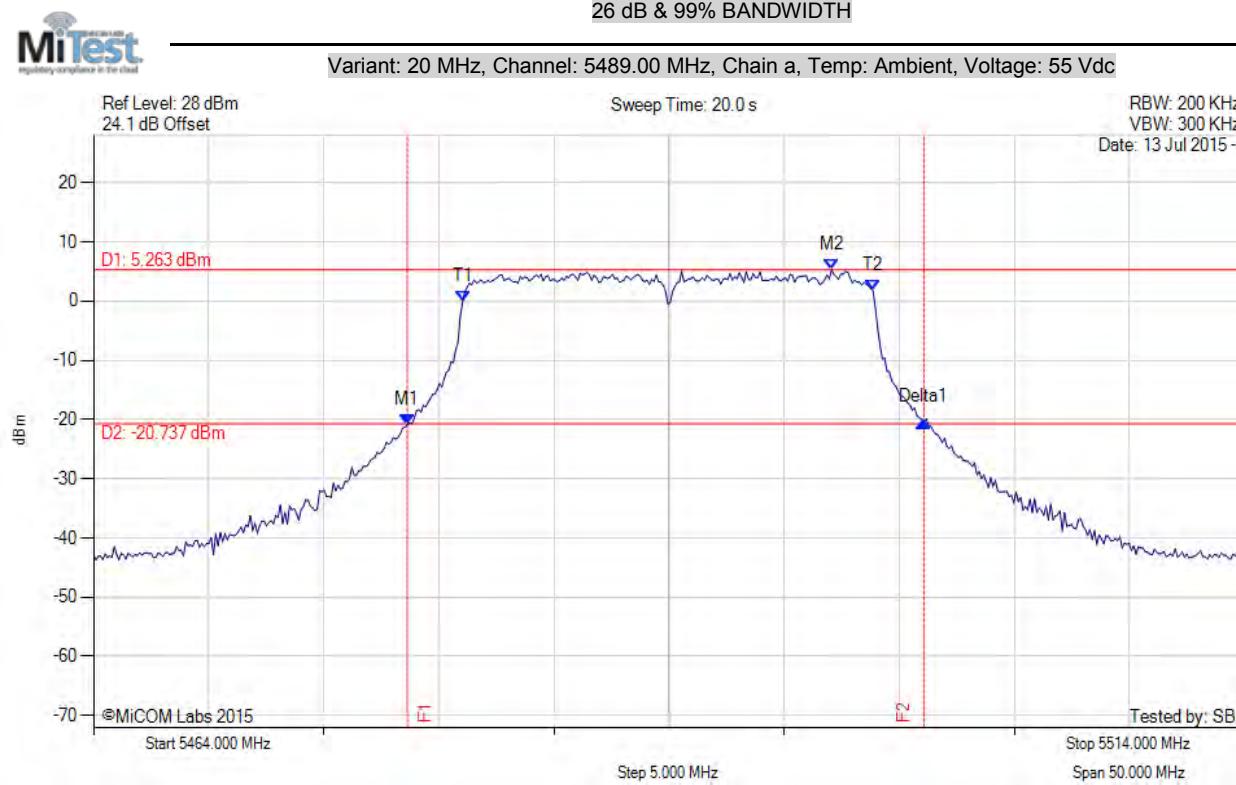
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|---|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5704.612 MHz : -19.582 dBm M2 : 5707.869 MHz : 6.672 dBm Delta1 : 12.675 MHz : 0.805 dB T1 : 5706.316 MHz : -3.958 dBm T2 : 5715.634 MHz : -3.493 dBm OBW : 9.319 MHz | Measured 26 dB Bandwidth: 12.675 MHz Measured 99% Bandwidth: 9.319 MHz |

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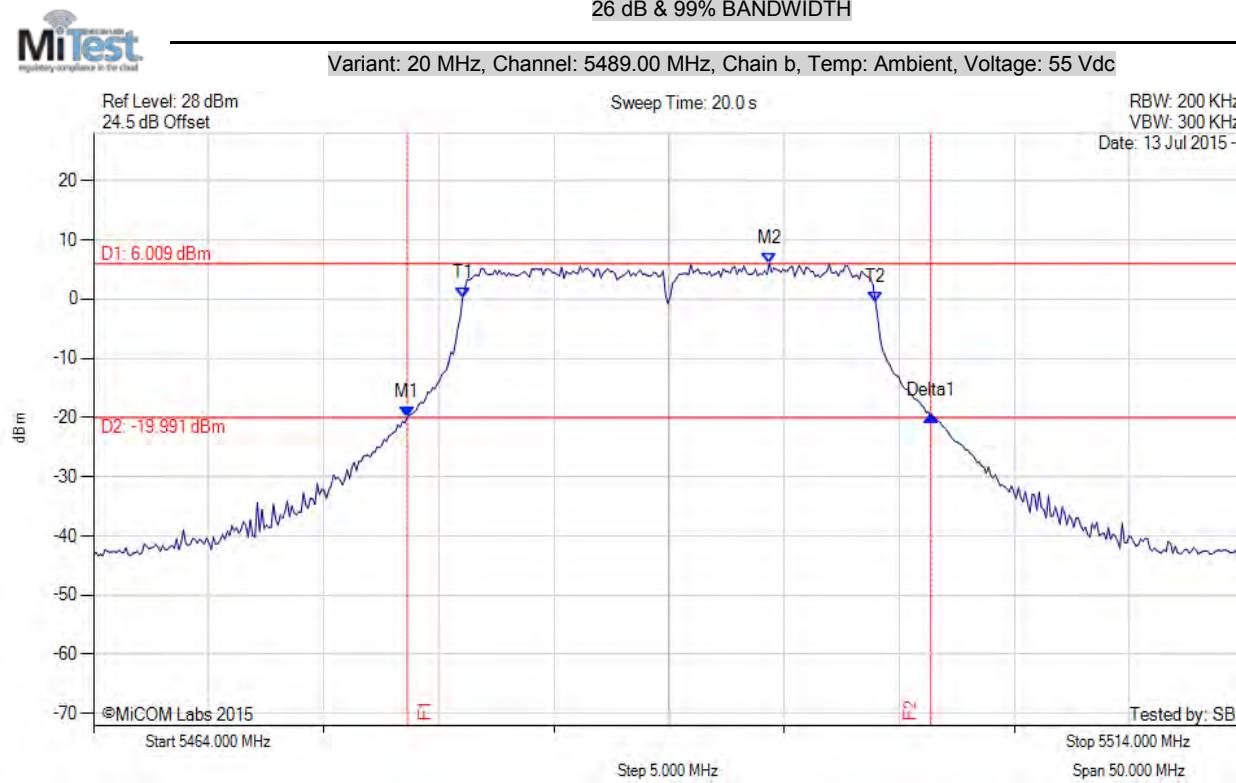
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5477.627 MHz : -20.853 dBm M2 : 5496.064 MHz : 5.263 dBm Delta1 : 22.445 MHz : 0.474 dB T1 : 5480.032 MHz : -0.139 dBm T2 : 5497.868 MHz : 1.714 dBm OBW : 17.836 MHz | Measured 26 dB Bandwidth: 22.445 MHz Measured 99% Bandwidth: 17.836 MHz |

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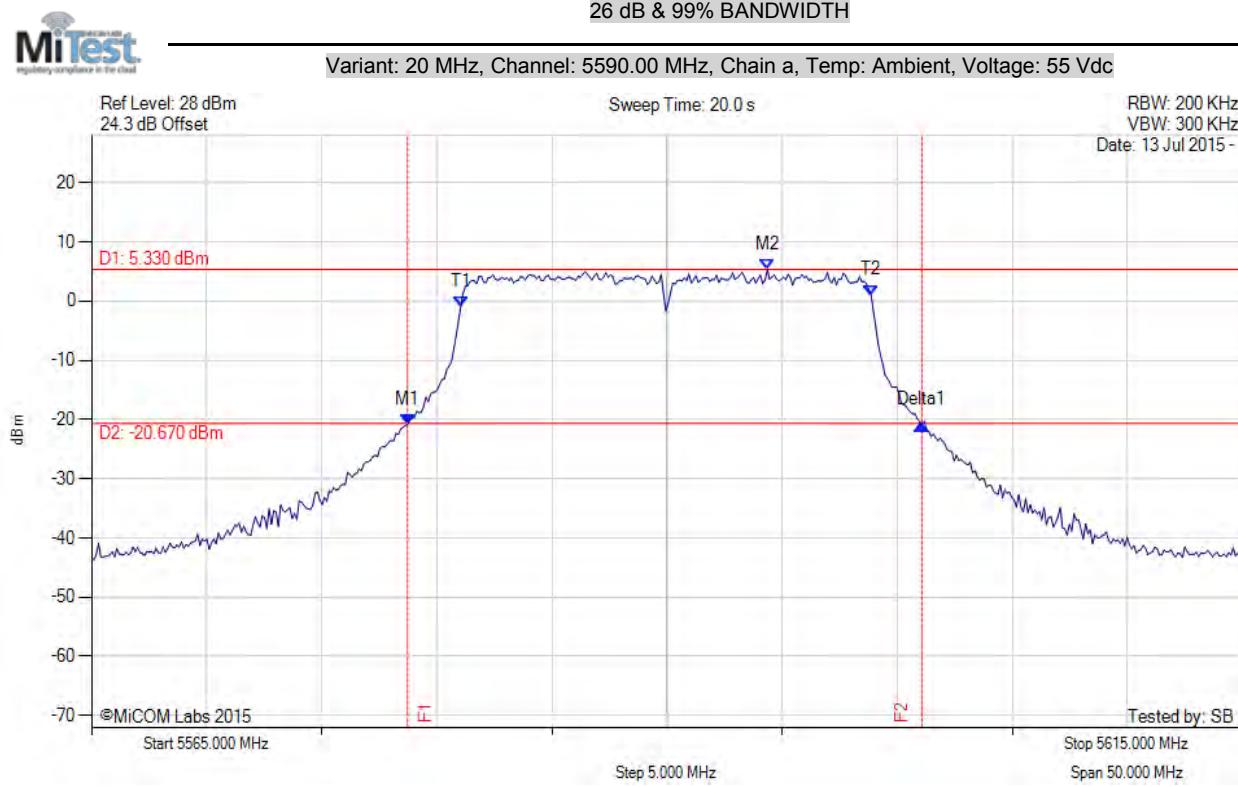
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5477.627 MHz : -20.037 dBm M2 : 5493.359 MHz : 6.009 dBm Delta1 : 22.745 MHz : 0.273 dB T1 : 5480.032 MHz : 0.144 dBm T2 : 5497.968 MHz : -0.527 dBm OBW : 17.936 MHz | Measured 26 dB Bandwidth: 22.745 MHz Measured 99% Bandwidth: 17.936 MHz |

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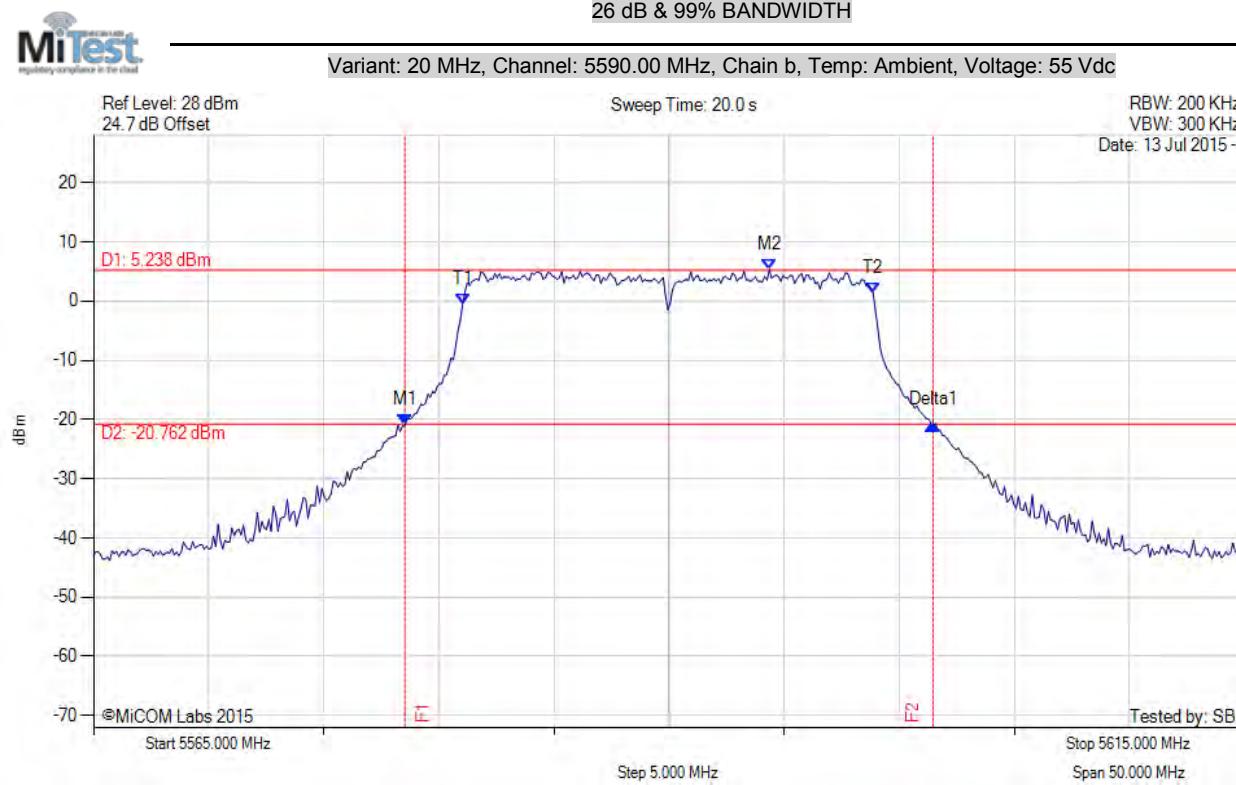
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5578.727 MHz : -20.828 dBm M2 : 5594.359 MHz : 5.330 dBm Delta1 : 22.345 MHz : 0.020 dB T1 : 5581.032 MHz : -1.060 dBm T2 : 5598.868 MHz : 0.969 dBm OBW : 17.836 MHz | Measured 26 dB Bandwidth: 22.345 MHz Measured 99% Bandwidth: 17.836 MHz |

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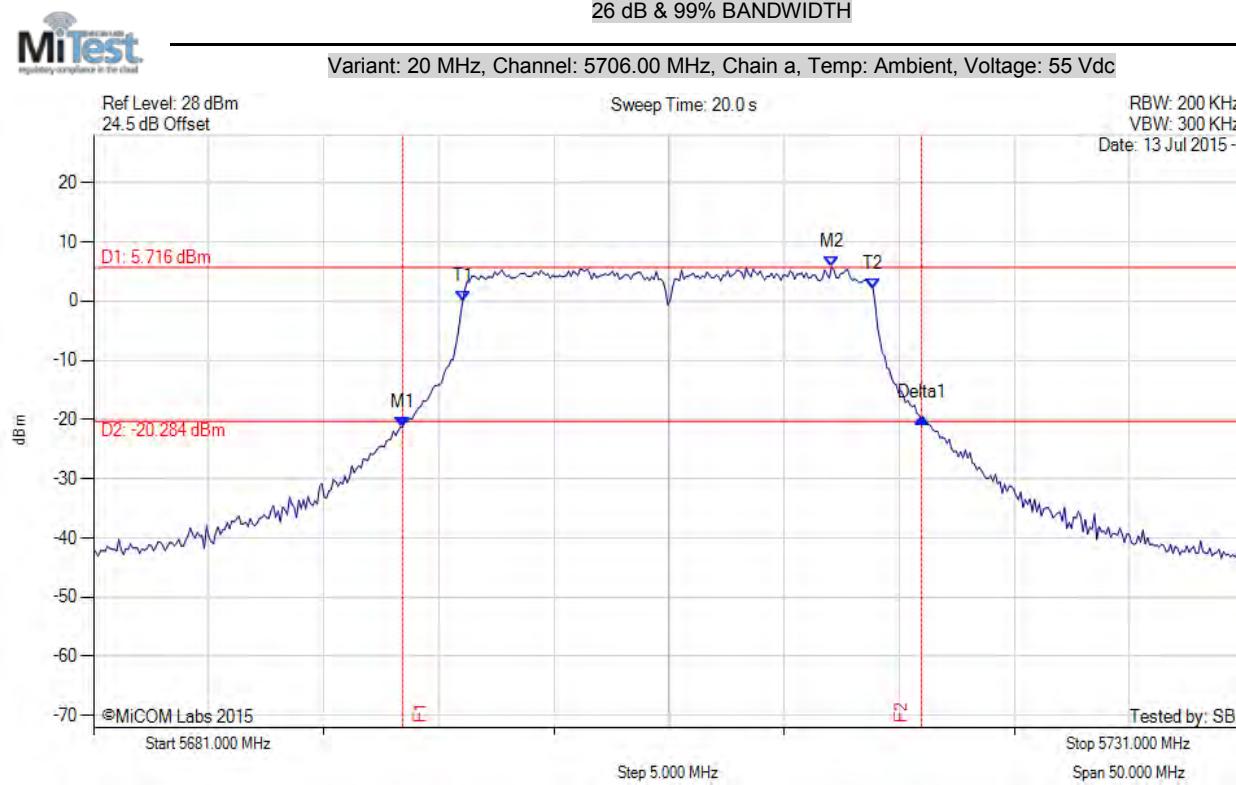
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5578.527 MHz : -20.897 dBm M2 : 5594.359 MHz : 5.238 dBm Delta1 : 22.946 MHz : -0.045 dB T1 : 5581.032 MHz : -0.521 dBm T2 : 5598.868 MHz : 1.344 dBm OBW : 17.836 MHz | Measured 26 dB Bandwidth: 22.946 MHz Measured 99% Bandwidth: 17.836 MHz |

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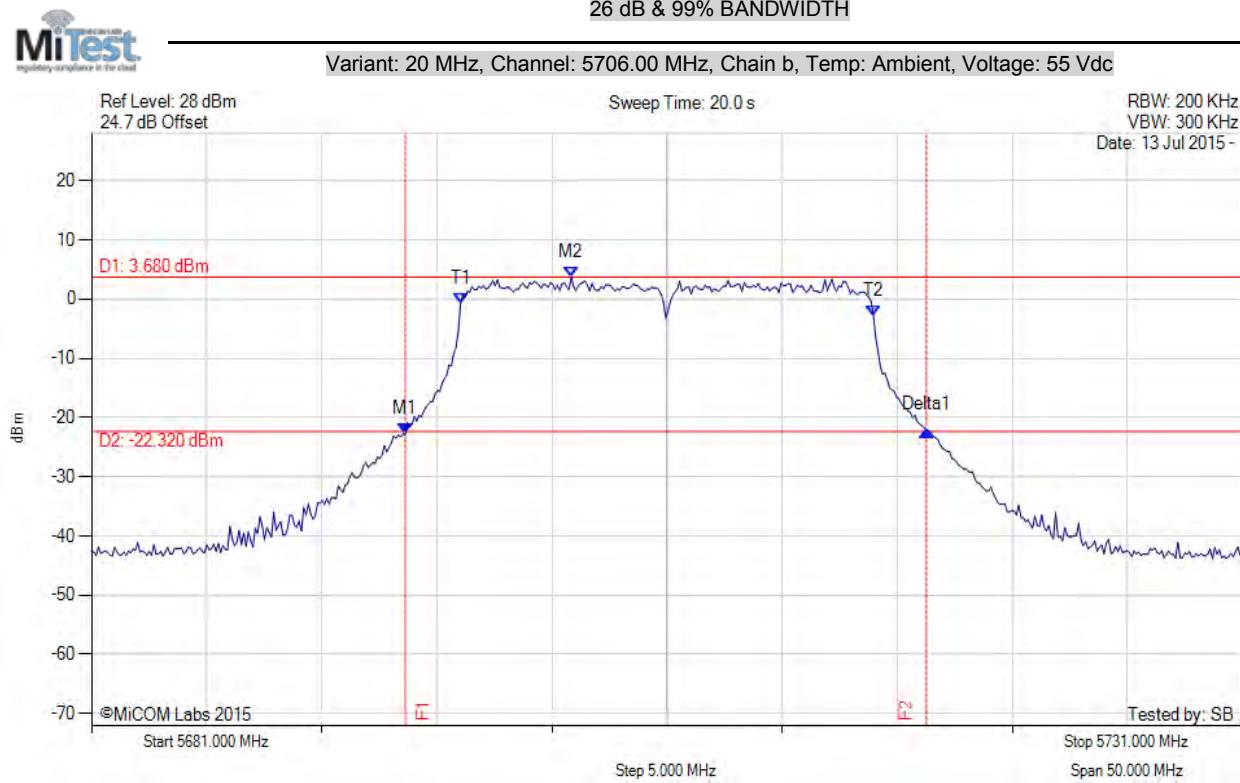
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5694.427 MHz : -21.239 dBm M2 : 5713.064 MHz : 5.716 dBm Delta1 : 22.545 MHz : 1.605 dB T1 : 5697.032 MHz : -0.060 dBm T2 : 5714.868 MHz : 2.035 dBm OBW : 17.836 MHz | Measured 26 dB Bandwidth: 22.545 MHz Measured 99% Bandwidth: 17.836 MHz |

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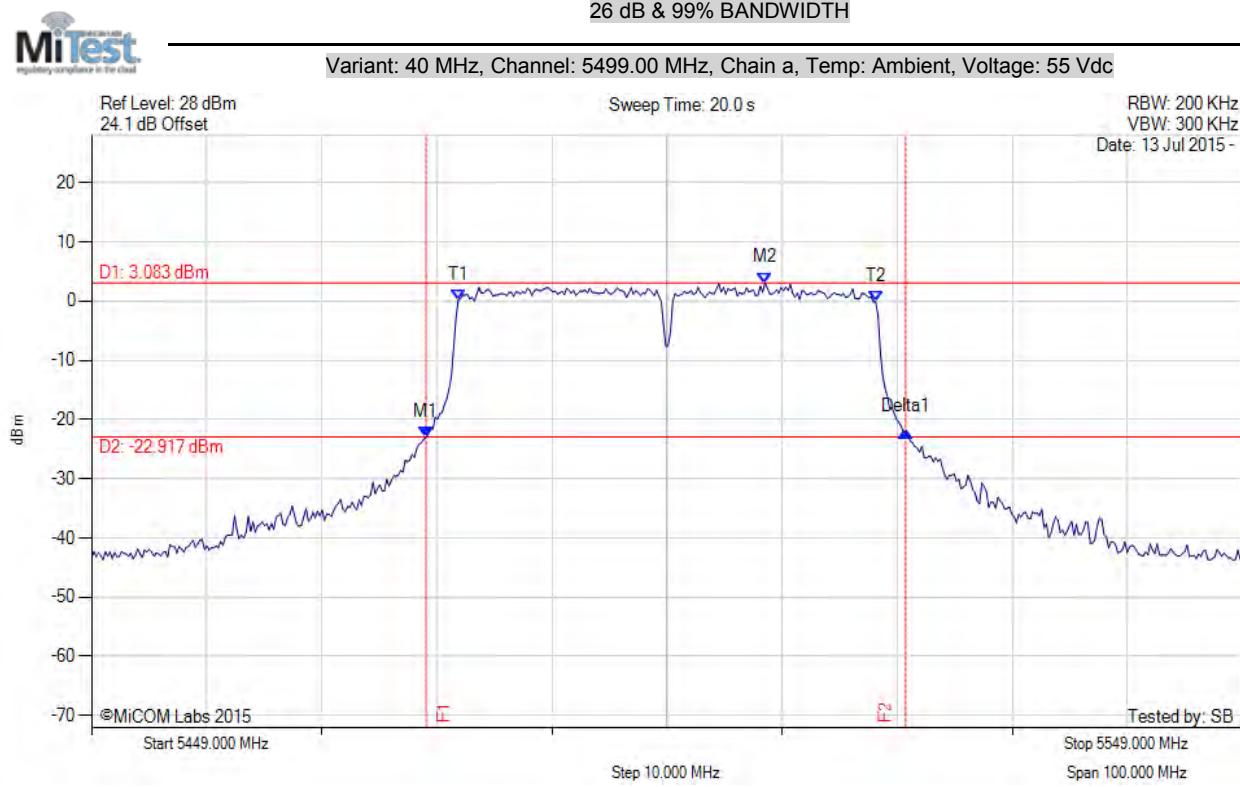
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5694.627 MHz : -22.764 dBm M2 : 5701.842 MHz : 3.680 dBm Delta1 : 22.645 MHz : 0.594 dB T1 : 5697.032 MHz : -0.753 dBm T2 : 5714.968 MHz : -2.874 dBm OBW : 17.936 MHz | Measured 26 dB Bandwidth: 22.645 MHz Measured 99% Bandwidth: 17.936 MHz |

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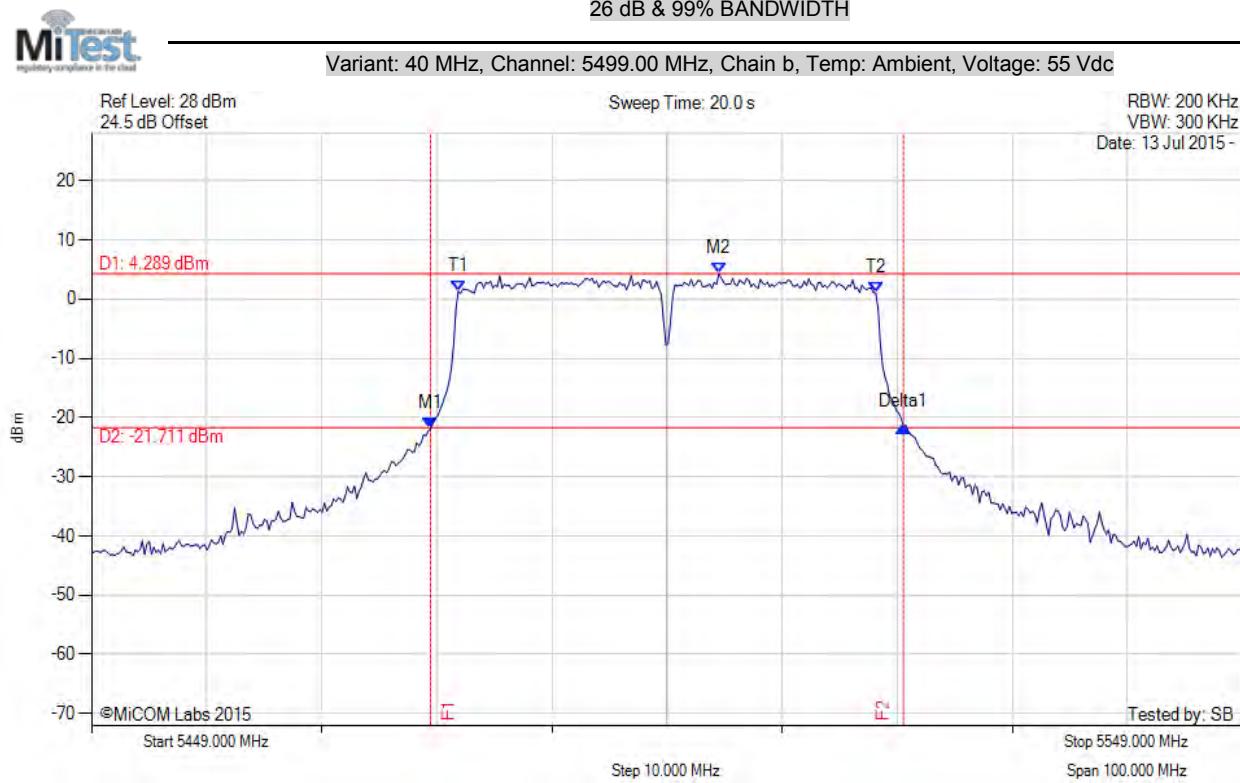
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5478.058 MHz : -23.019 dBm M2 : 5507.517 MHz : 3.083 dBm Delta1 : 41.683 MHz : 1.043 dB T1 : 5480.864 MHz : 0.237 dBm T2 : 5517.136 MHz : -0.121 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.683 MHz Measured 99% Bandwidth: 36.273 MHz |

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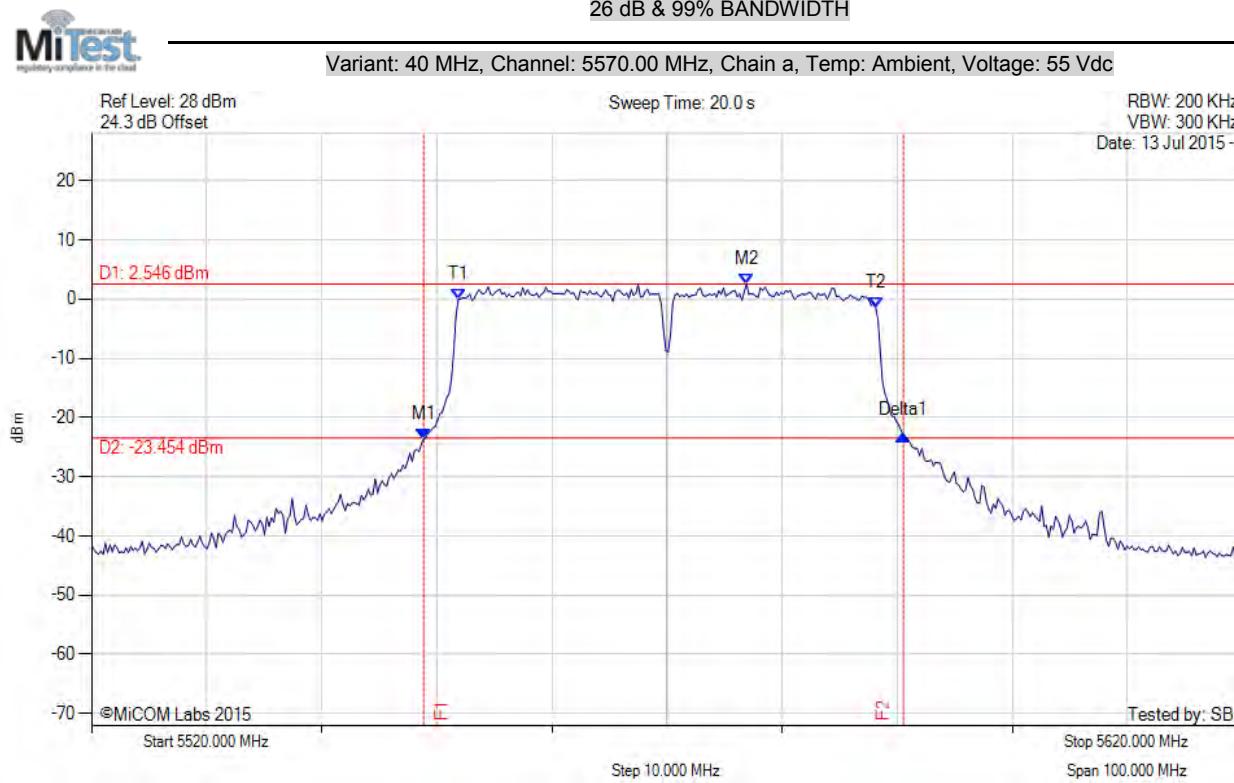
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5478.459 MHz : -21.884 dBm M2 : 5503.509 MHz : 4.289 dBm Delta1 : 41.082 MHz : 0.311 dB T1 : 5480.864 MHz : 1.325 dBm T2 : 5517.136 MHz : 0.992 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.082 MHz Measured 99% Bandwidth: 36.273 MHz |

[back to matrix](#)

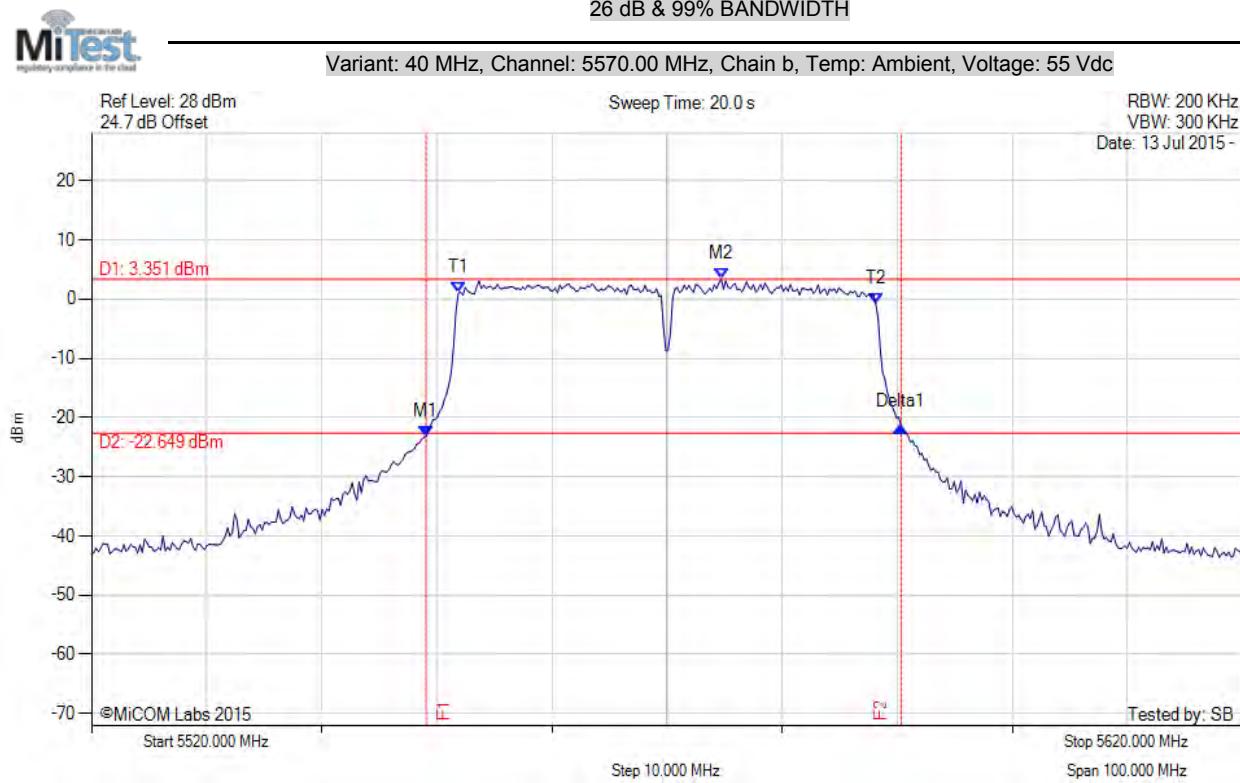
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5548.858 MHz : -23.673 dBm M2 : 5576.914 MHz : 2.546 dBm Delta1 : 41.683 MHz : 0.663 dB T1 : 5551.864 MHz : -0.102 dBm T2 : 5588.136 MHz : -1.459 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.683 MHz Measured 99% Bandwidth: 36.273 MHz |

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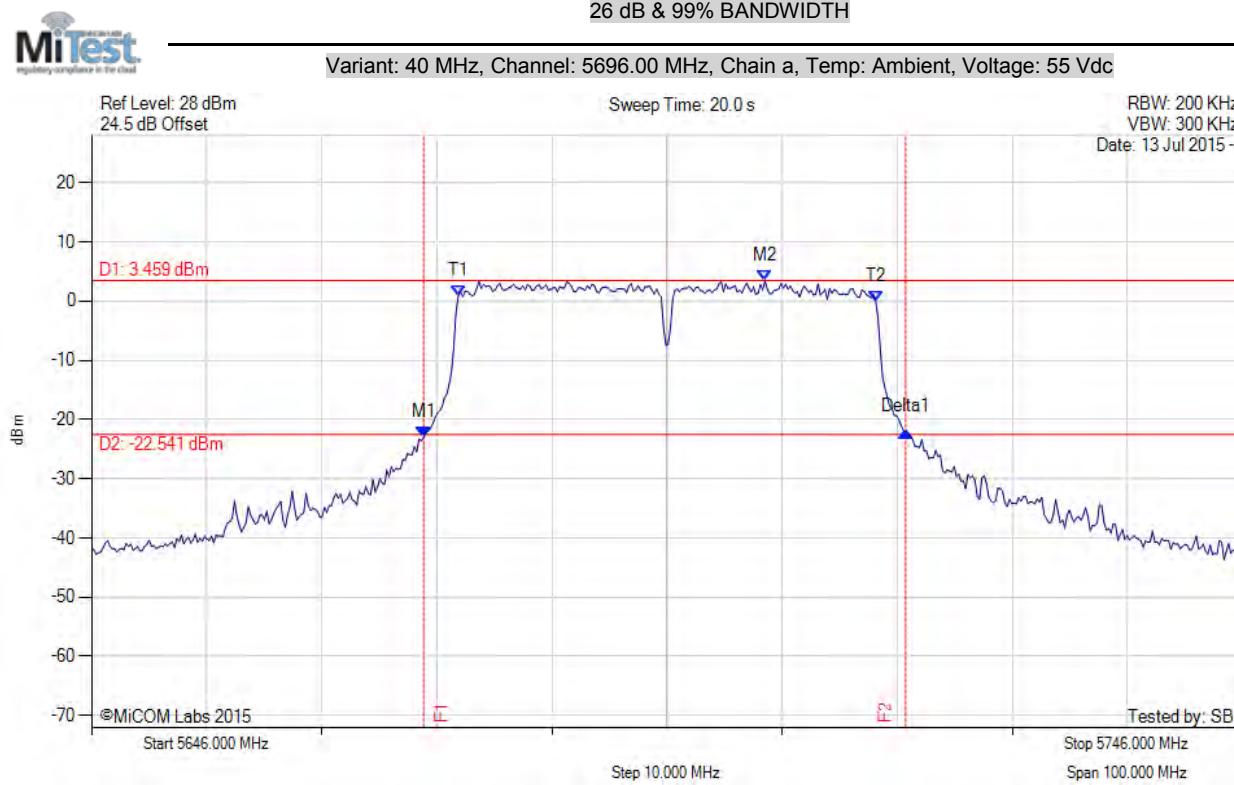
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.



| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5549.058 MHz : -23.195 dBm M2 : 5574.709 MHz : 3.351 dBm Delta1 : 41.283 MHz : 1.556 dB T1 : 5551.864 MHz : 0.992 dBm T2 : 5588.136 MHz : -0.702 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.283 MHz Measured 99% Bandwidth: 36.273 MHz |

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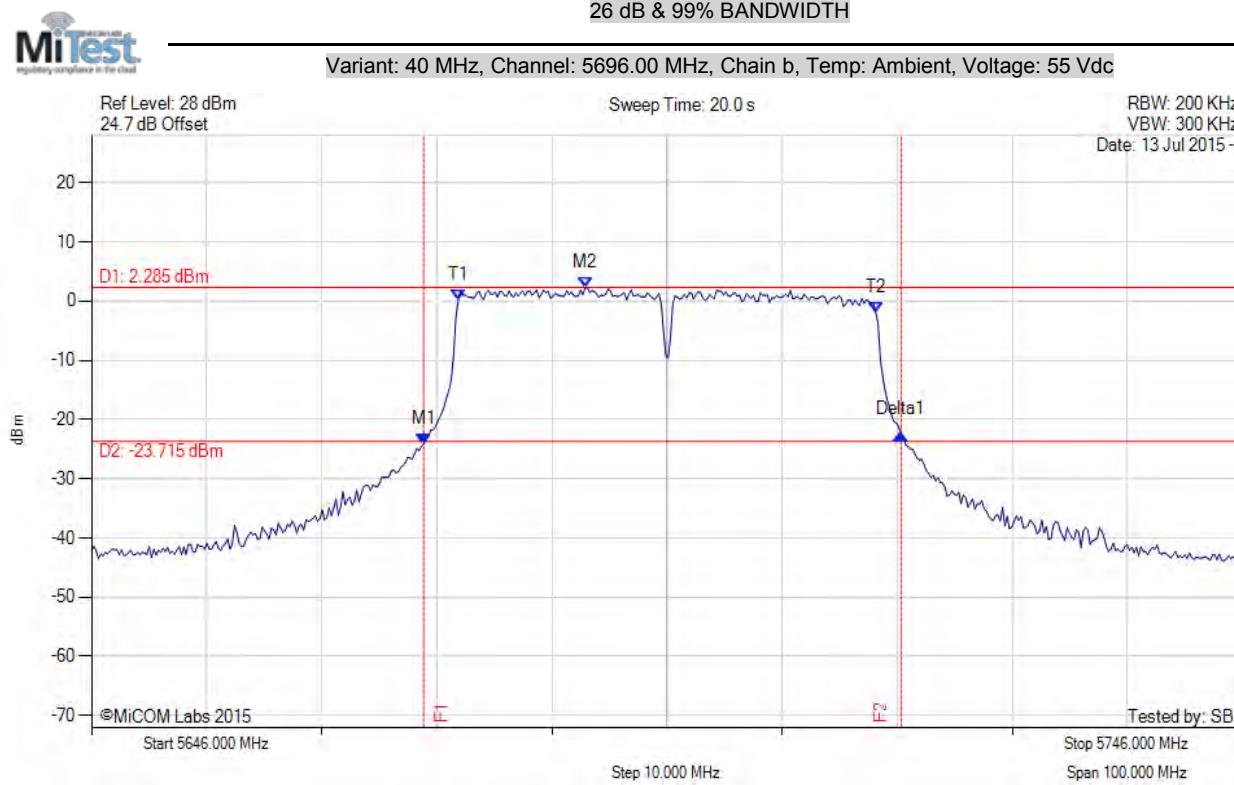
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5674.858 MHz : -22.984 dBm M2 : 5704.517 MHz : 3.459 dBm Delta1 : 41.884 MHz : 0.872 dB T1 : 5677.864 MHz : 0.927 dBm T2 : 5714.136 MHz : -0.043 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.884 MHz Measured 99% Bandwidth: 36.273 MHz |

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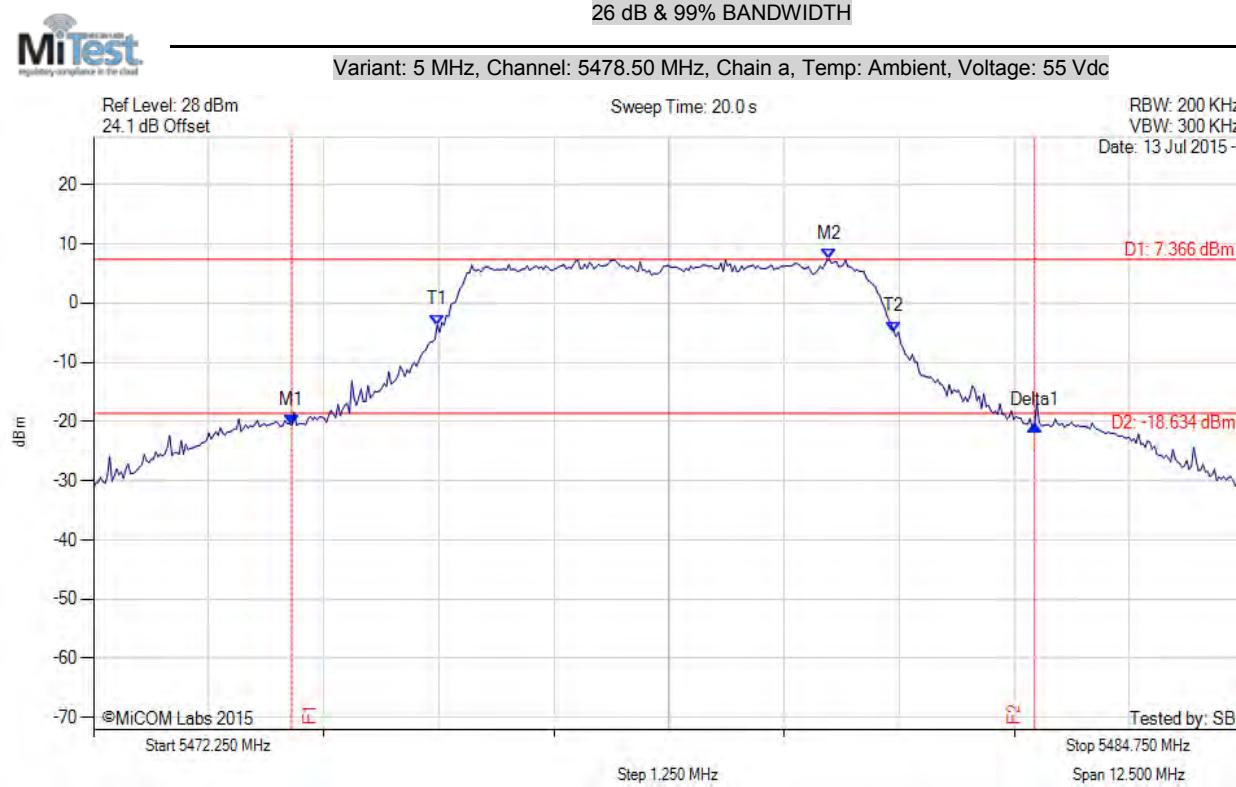
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5674.858 MHz : -24.125 dBm M2 : 5688.886 MHz : 2.285 dBm Delta1 : 41.483 MHz : 1.550 dB T1 : 5677.864 MHz : 0.186 dBm T2 : 5714.136 MHz : -1.872 dBm OBW : 36.273 MHz | Measured 26 dB Bandwidth: 41.483 MHz Measured 99% Bandwidth: 36.273 MHz |

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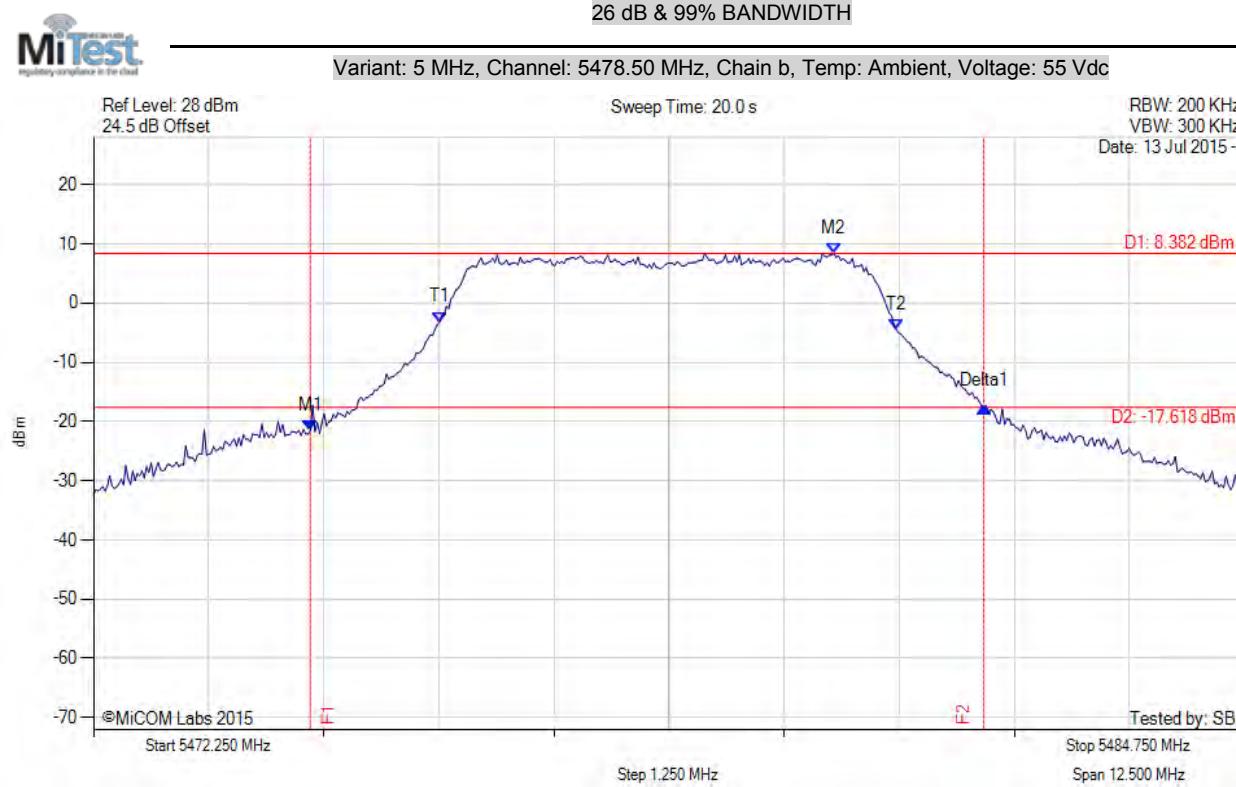
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5474.404 MHz : -20.641 dBm M2 : 5480.241 MHz : 7.366 dBm Delta1 : 8.066 MHz : 0.033 dB T1 : 5475.982 MHz : -3.702 dBm T2 : 5480.942 MHz : -4.859 dBm OBW : 4.960 MHz | Measured 26 dB Bandwidth: 8.066 MHz Measured 99% Bandwidth: 4.960 MHz |

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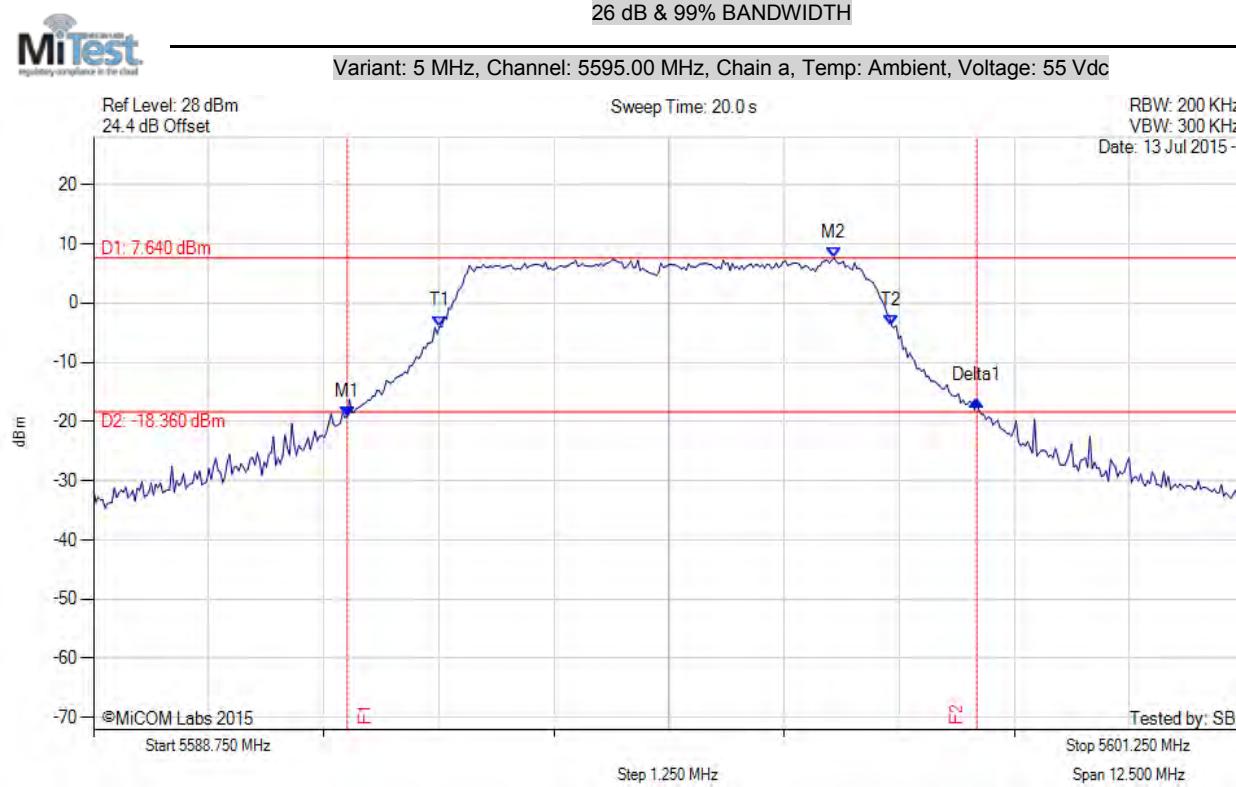
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5474.605 MHz : -21.568 dBm M2 : 5480.291 MHz : 8.382 dBm Delta1 : 7.315 MHz : 4.082 dB T1 : 5476.008 MHz : -3.216 dBm T2 : 5480.967 MHz : -4.469 dBm OBW : 4.960 MHz | Measured 26 dB Bandwidth: 7.315 MHz Measured 99% Bandwidth: 4.960 MHz |

[back to matrix](#)

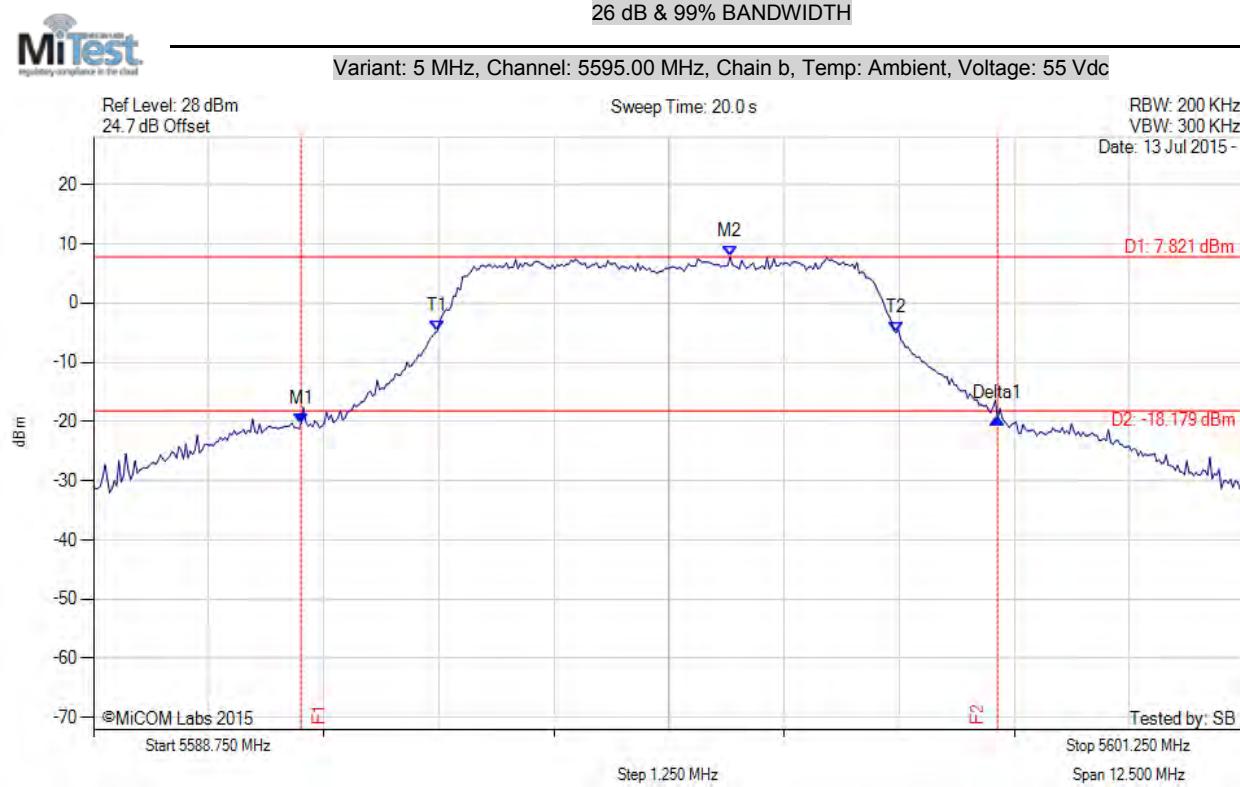
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5591.506 MHz : -19.191 dBm M2 : 5596.791 MHz : 7.640 dBm Delta1 : 6.839 MHz : 2.729 dB T1 : 5592.508 MHz : -3.942 dBm T2 : 5597.417 MHz : -3.761 dBm OBW : 4.910 MHz | Measured 26 dB Bandwidth: 6.839 MHz Measured 99% Bandwidth: 4.910 MHz |

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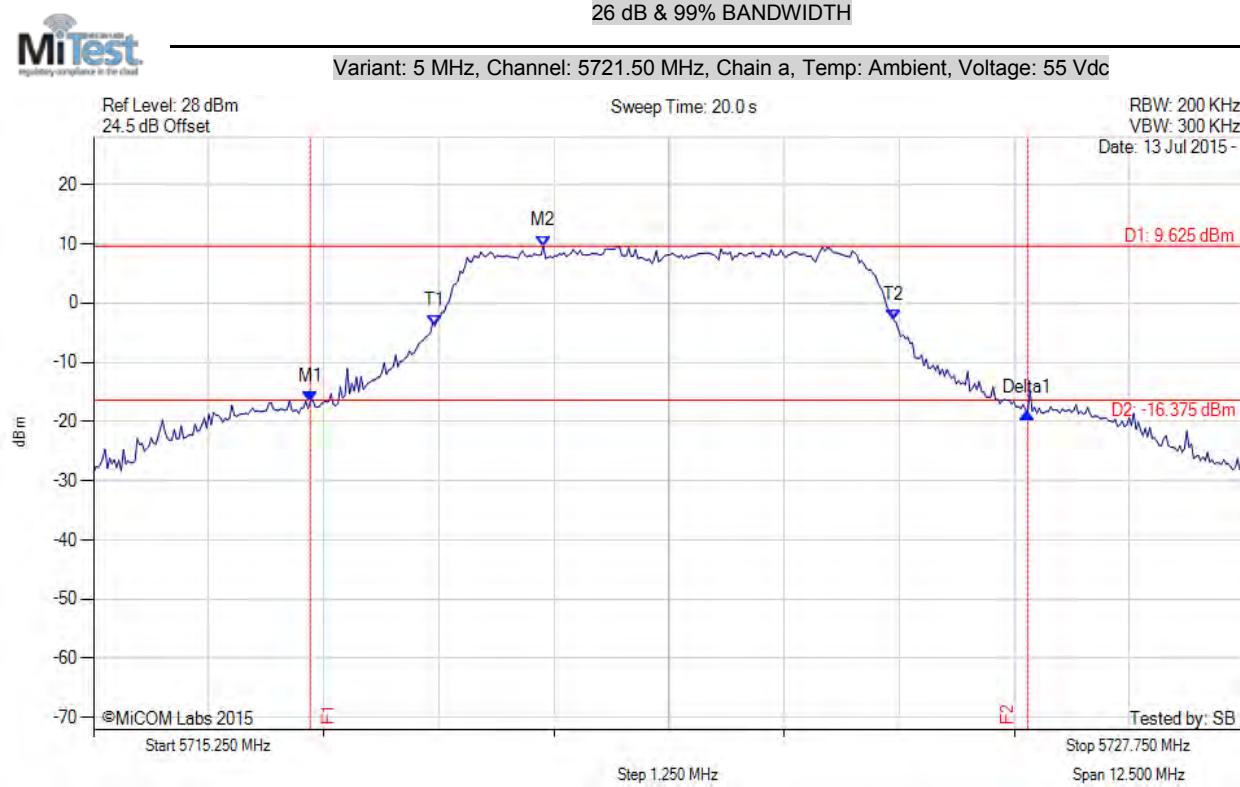
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5591.005 MHz : -20.354 dBm M2 : 5595.664 MHz : 7.821 dBm Delta1 : 7.565 MHz : 0.834 dB T1 : 5592.482 MHz : -4.751 dBm T2 : 5597.467 MHz : -5.016 dBm OBW : 4.985 MHz | Measured 26 dB Bandwidth: 7.565 MHz Measured 99% Bandwidth: 4.985 MHz |

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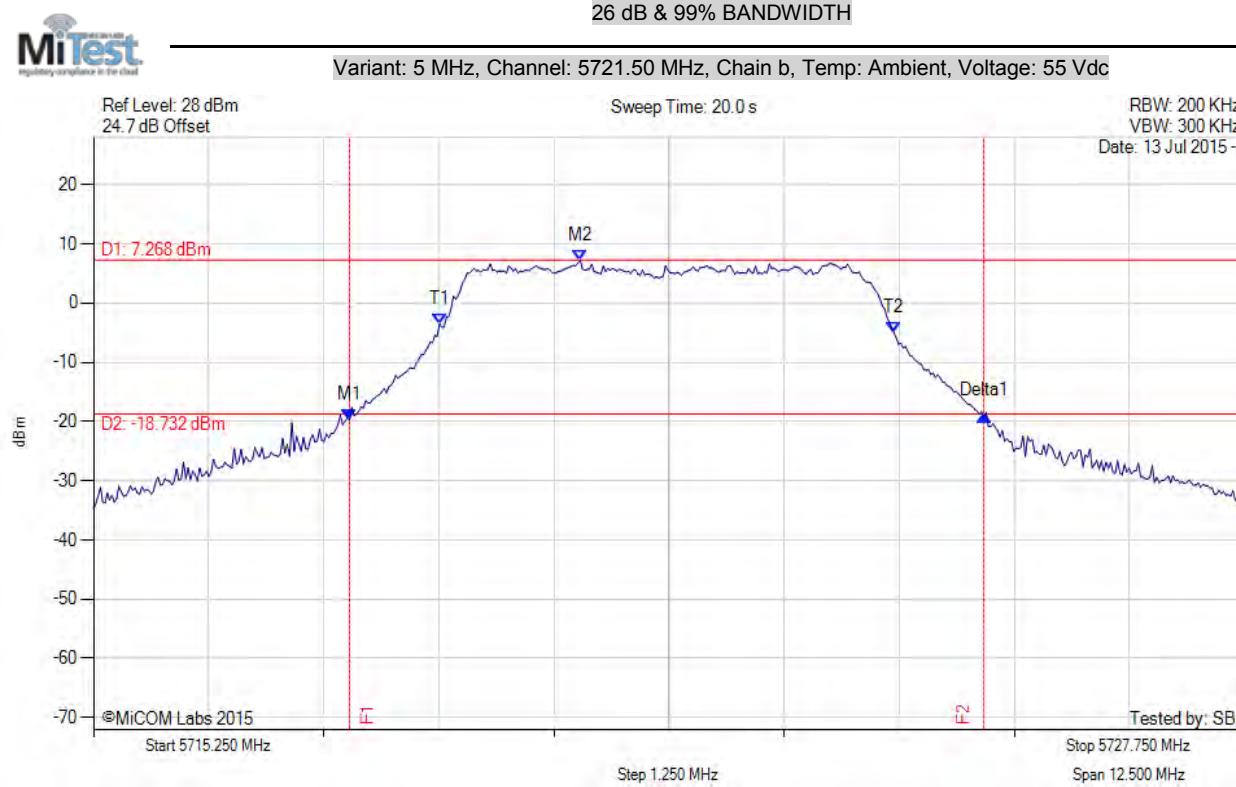
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5717.605 MHz : -16.651 dBm M2 : 5720.135 MHz : 9.625 dBm Delta1 : 7.791 MHz : -1.869 dB T1 : 5718.957 MHz : -3.877 dBm T2 : 5723.942 MHz : -2.943 dBm OBW : 4.985 MHz | Measured 26 dB Bandwidth: 7.791 MHz Measured 99% Bandwidth: 4.985 MHz |

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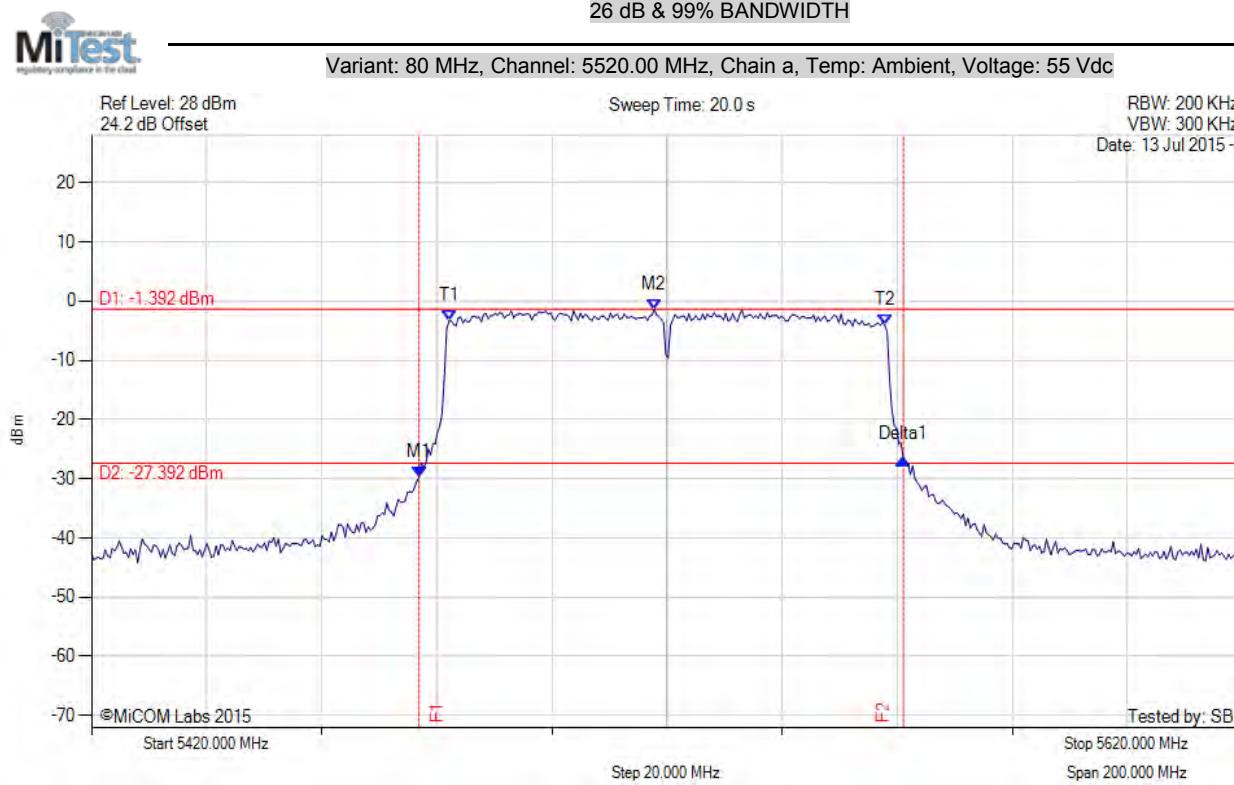
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5718.031 MHz : -19.708 dBm M2 : 5720.536 MHz : 7.268 dBm Delta1 : 6.889 MHz : 0.612 dB T1 : 5719.008 MHz : -3.491 dBm T2 : 5723.942 MHz : -5.020 dBm OBW : 4.935 MHz | Measured 26 dB Bandwidth: 6.889 MHz Measured 99% Bandwidth: 4.935 MHz |

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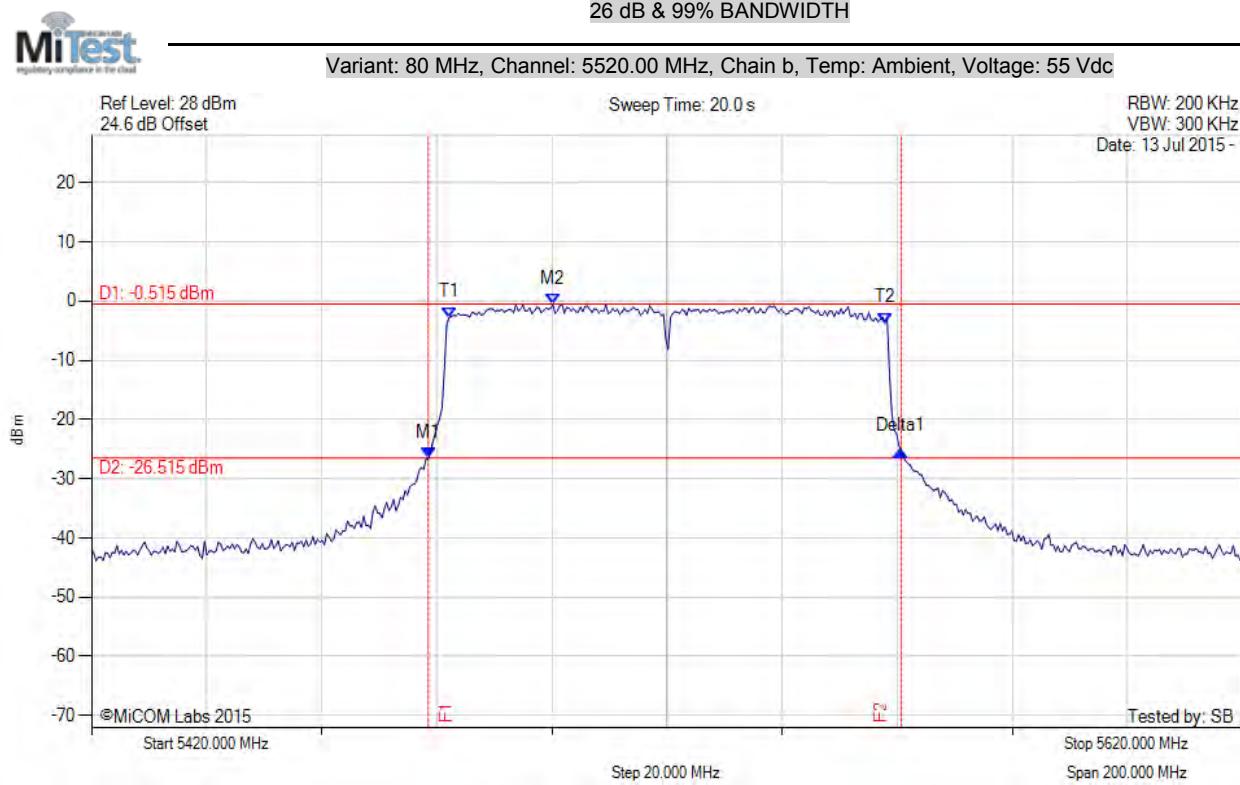
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5476.914 MHz : -29.718 dBm M2 : 5517.796 MHz : -1.392 dBm Delta1 : 84.168 MHz : 2.957 dB T1 : 5482.124 MHz : -3.352 dBm T2 : 5557.876 MHz : -4.115 dBm OBW : 75.752 MHz | Measured 26 dB Bandwidth: 84.168 MHz Measured 99% Bandwidth: 75.752 MHz |

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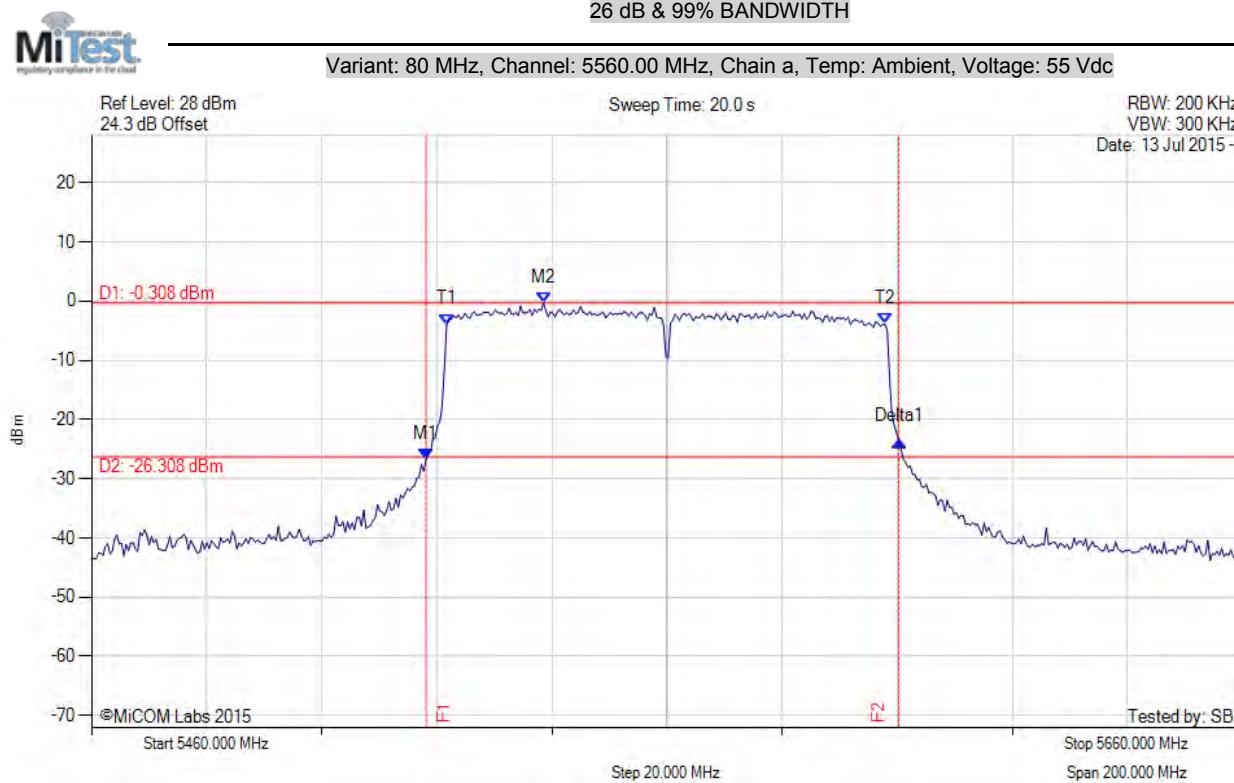
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5478.517 MHz : -26.563 dBm M2 : 5500.160 MHz : -0.515 dBm Delta1 : 82.164 MHz : 1.186 dB T1 : 5482.124 MHz : -2.760 dBm T2 : 5557.876 MHz : -3.692 dBm OBW : 75.752 MHz | Measured 26 dB Bandwidth: 82.164 MHz Measured 99% Bandwidth: 75.752 MHz |

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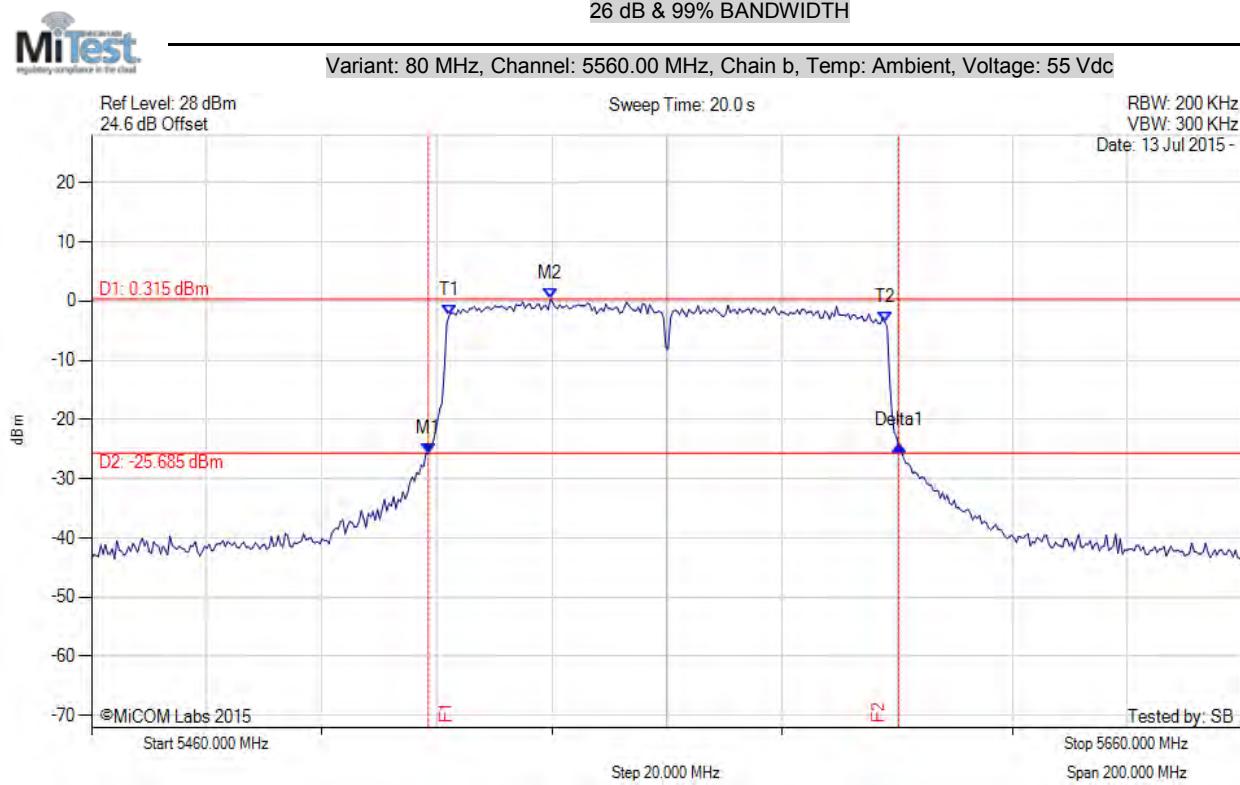
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5518.116 MHz : -26.779 dBm M2 : 5538.557 MHz : -0.308 dBm Delta1 : 82.164 MHz : 3.183 dB T1 : 5521.723 MHz : -3.932 dBm T2 : 5597.876 MHz : -3.875 dBm OBW : 76.152 MHz | Measured 26 dB Bandwidth: 82.164 MHz Measured 99% Bandwidth: 76.152 MHz |

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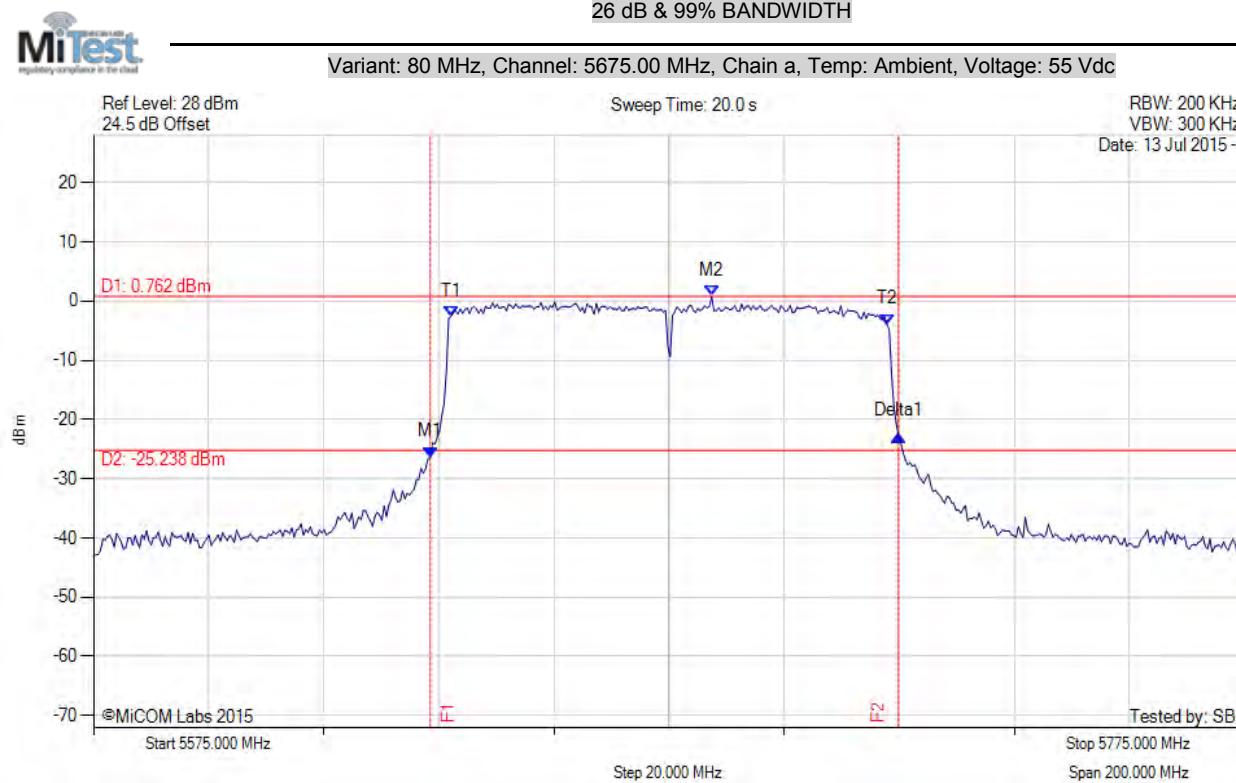
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5518.517 MHz : -25.736 dBm M2 : 5539.760 MHz : 0.315 dBm Delta1 : 81.764 MHz : 1.273 dB T1 : 5522.124 MHz : -2.461 dBm T2 : 5597.876 MHz : -3.590 dBm OBW : 75.752 MHz | Measured 26 dB Bandwidth: 81.764 MHz Measured 99% Bandwidth: 75.752 MHz |

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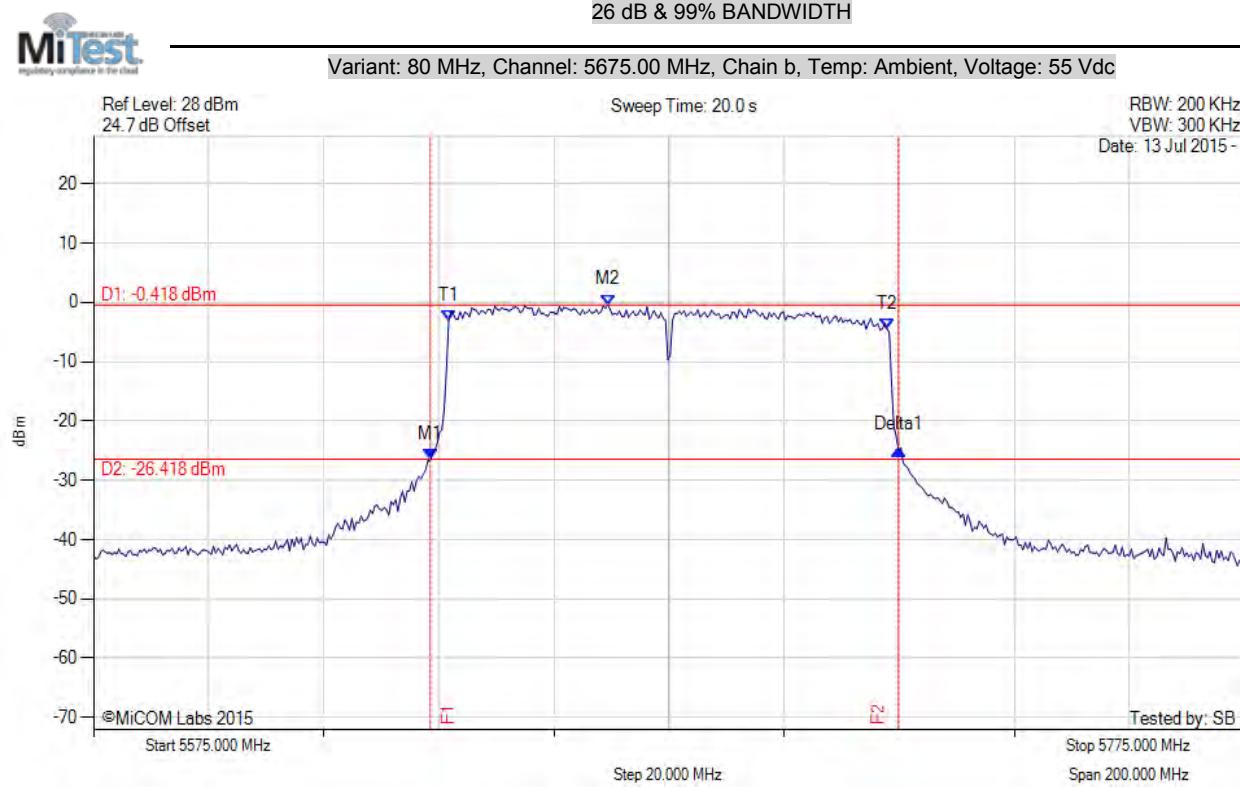
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|--|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5633.517 MHz : -26.372 dBm M2 : 5682.415 MHz : 0.762 dBm Delta1 : 81.363 MHz : 3.655 dB T1 : 5637.124 MHz : -2.569 dBm T2 : 5712.876 MHz : -3.940 dBm OBW : 75.752 MHz | Measured 26 dB Bandwidth: 81.363 MHz Measured 99% Bandwidth: 75.752 MHz |

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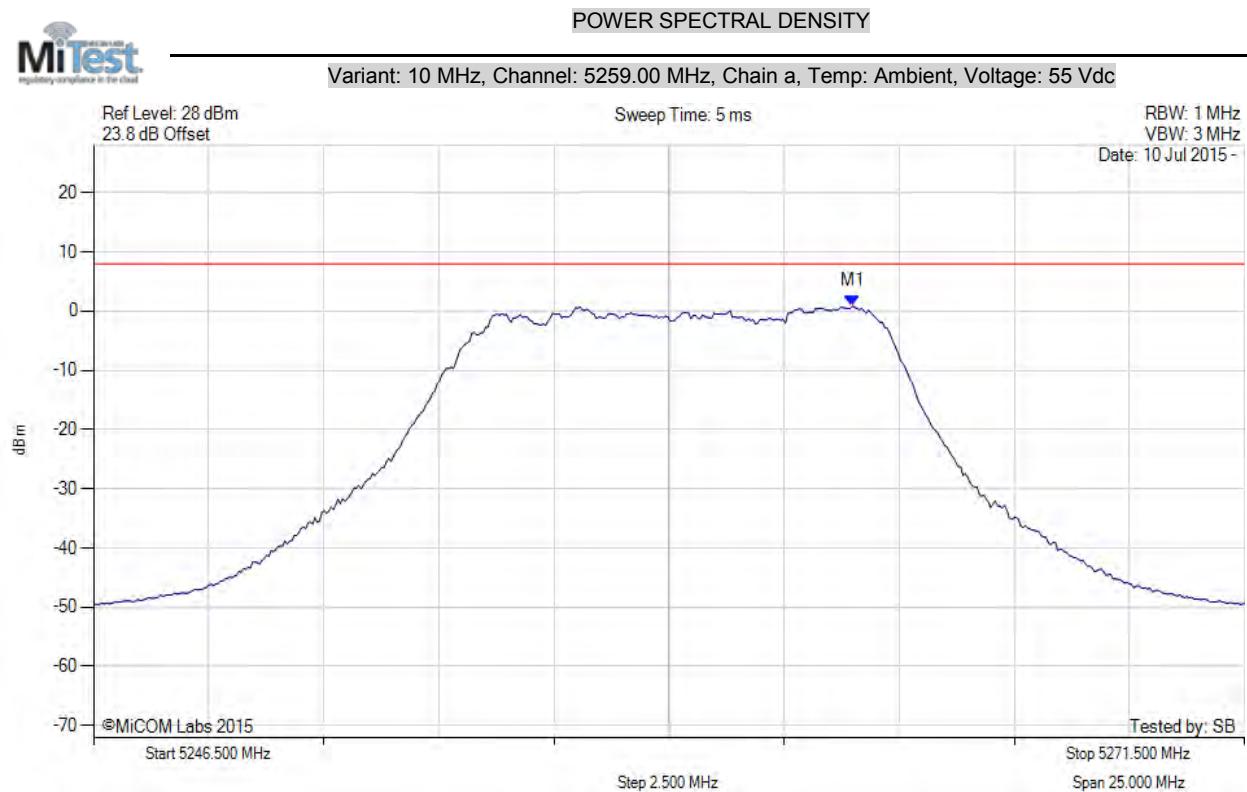


| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|---|---|--|
| Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD | M1 : 5633.517 MHz : -26.535 dBm M2 : 5664.379 MHz : -0.418 dBm Delta1 : 81.363 MHz : 1.633 dB T1 : 5636.723 MHz : -3.082 dBm T2 : 5712.876 MHz : -4.497 dBm OBW : 76.152 MHz | Measured 26 dB Bandwidth: 81.363 MHz Measured 99% Bandwidth: 76.152 MHz |

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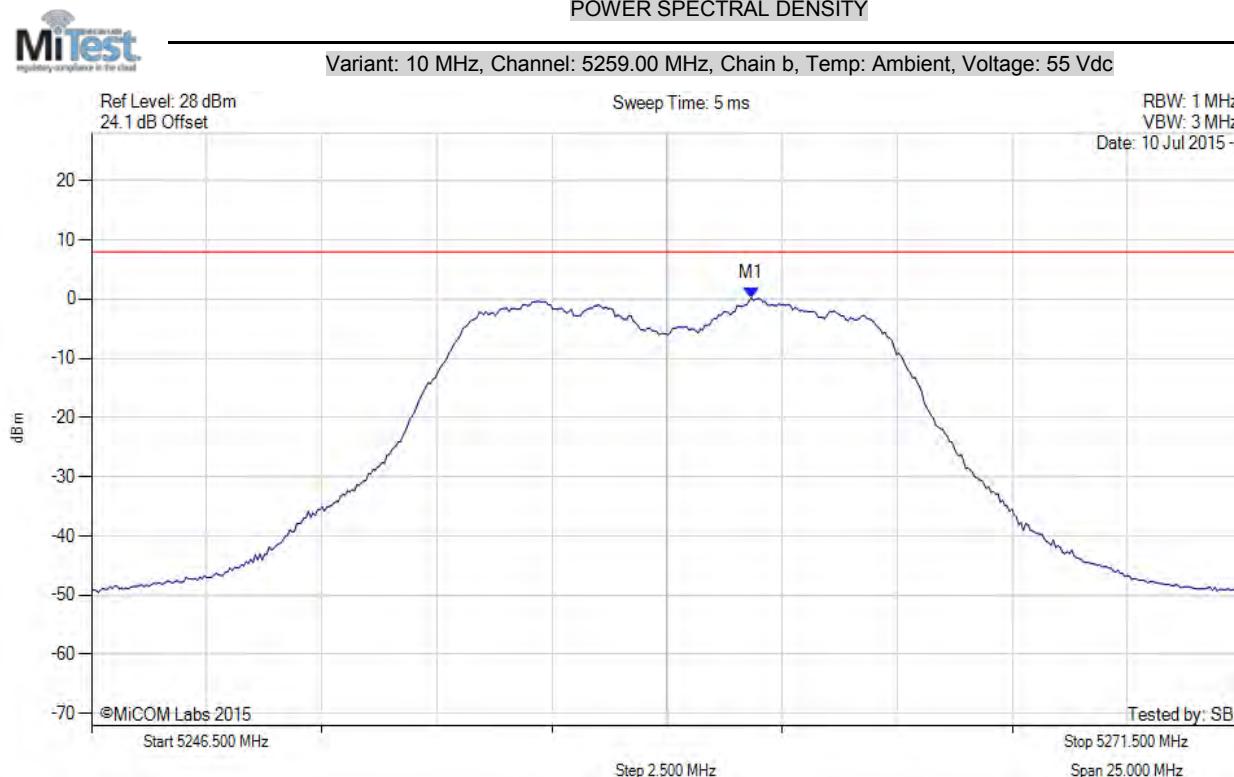
A.2. Power Spectral Density



| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5262.983 MHz : 0.854 dBm | Limit: ≤ 7.990 dBm |

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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5260.829 MHz : 0.191 dBm | Limit: ≤ 7.990 dBm |

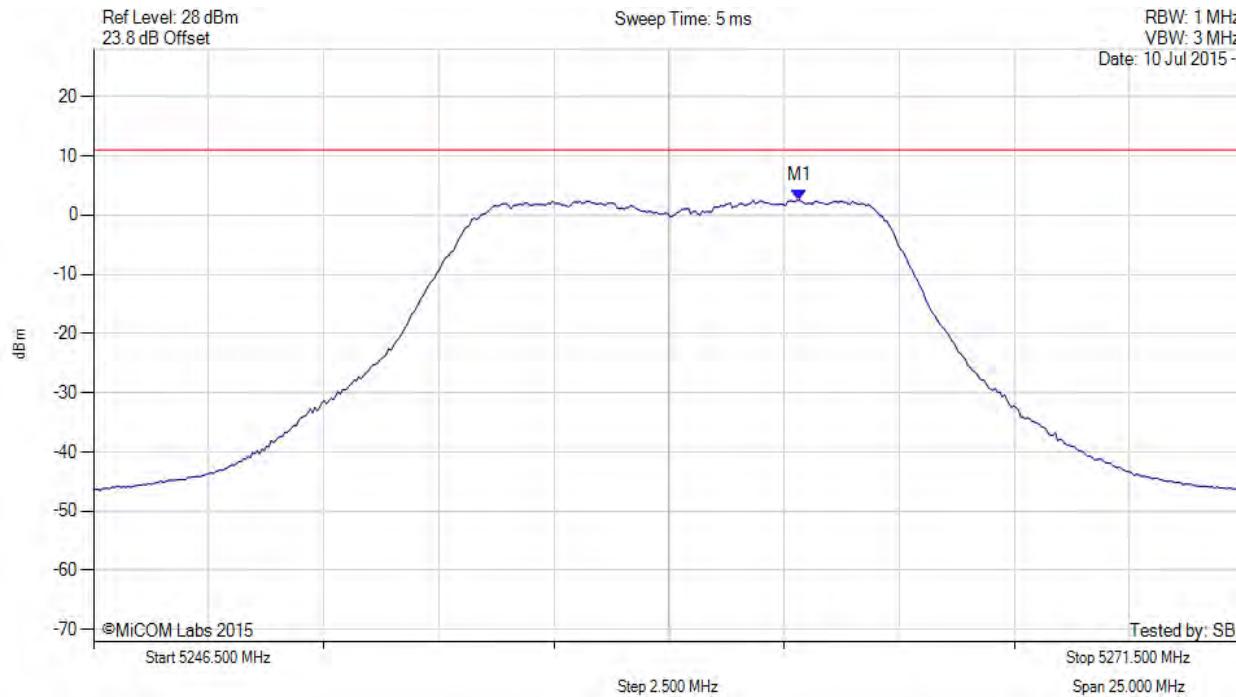
[back to matrix](#)

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POWER SPECTRAL DENSITY

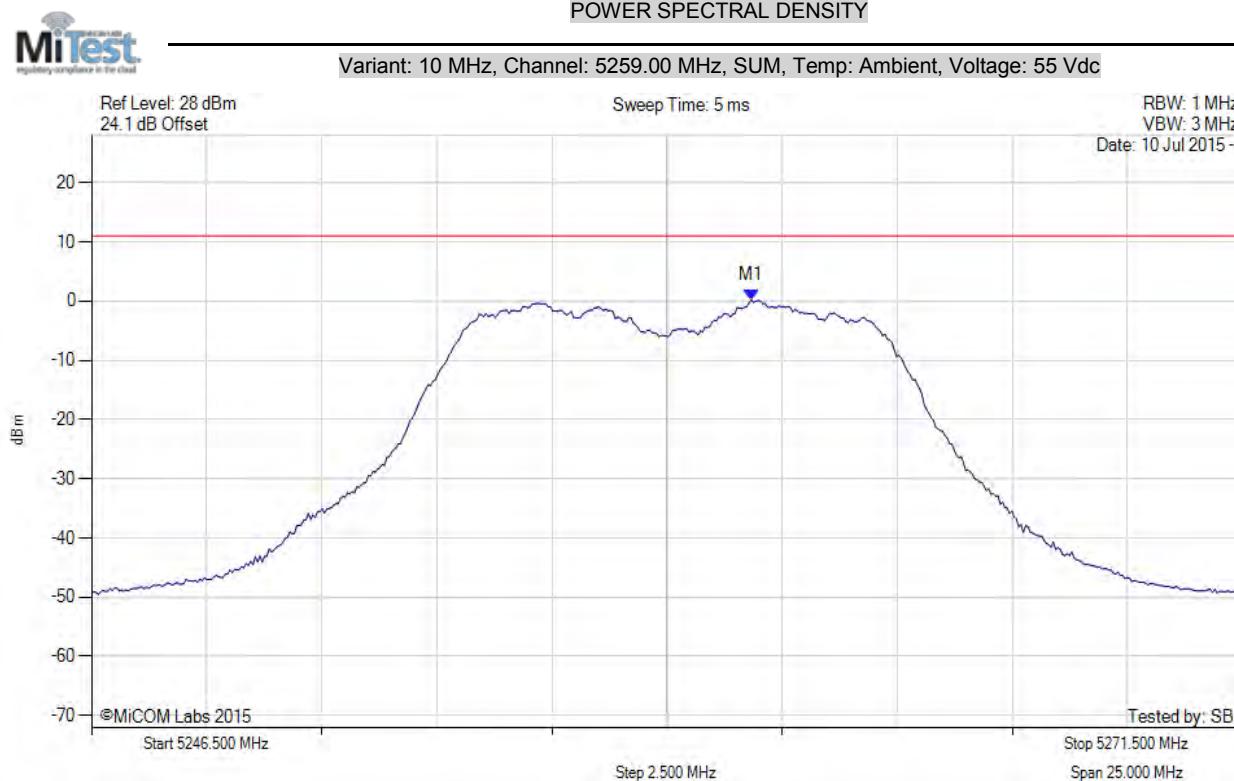
Variant: 10 MHz, Channel: 5259.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5261.800 MHz : 2.504 dBm M1 + DCCF : 5261.800 MHz : 3.010 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 11.0 dBm Margin: -8.0 dB |

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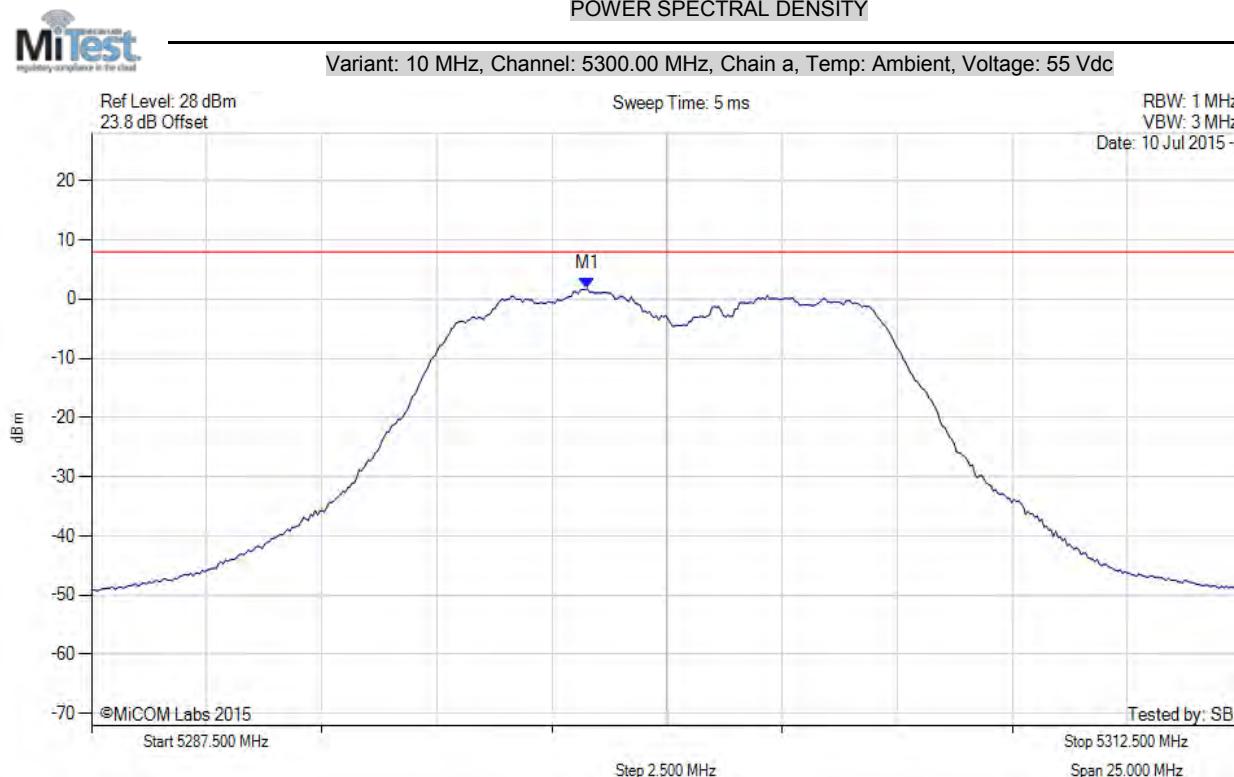
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5260.800 MHz : 0.191 dBm M1 + DCCF : 5260.800 MHz : 0.697 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 11.0 dBm Margin: -10.3 dB |

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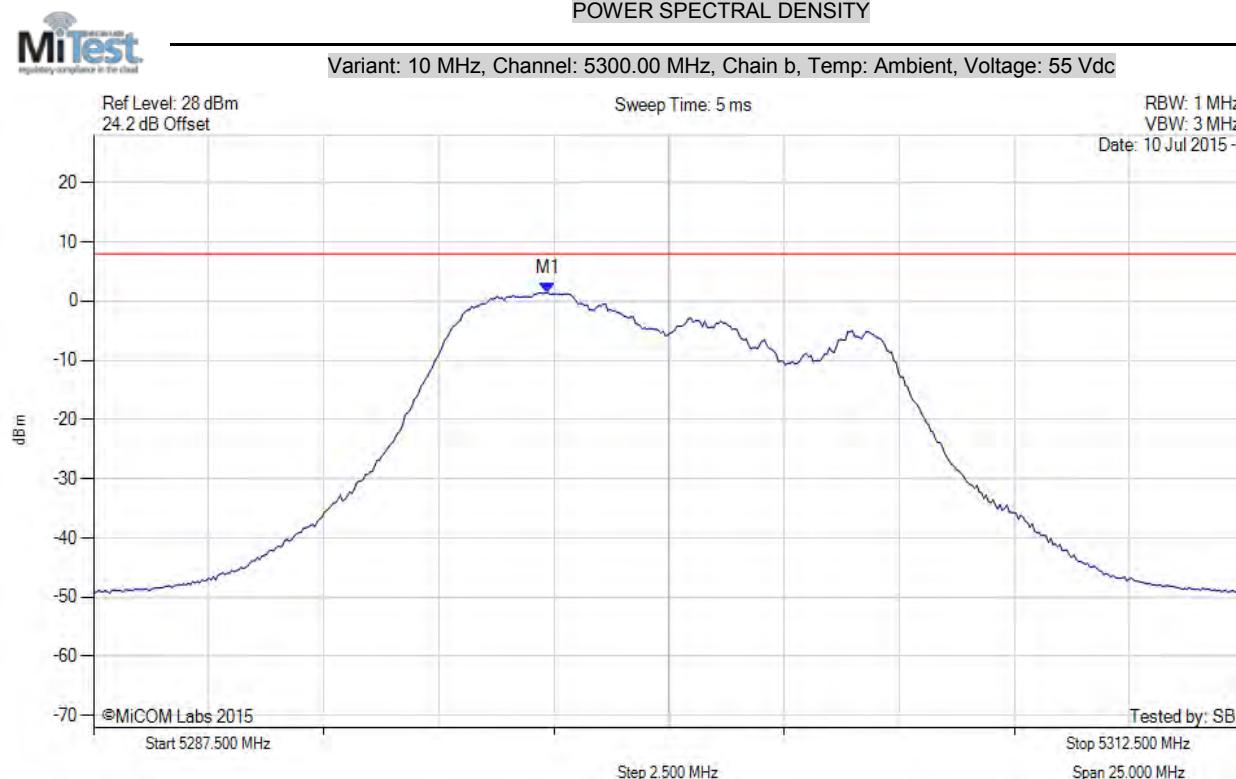
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5298.272 MHz : 1.724 dBm | Limit: ≤ 7.990 dBm |

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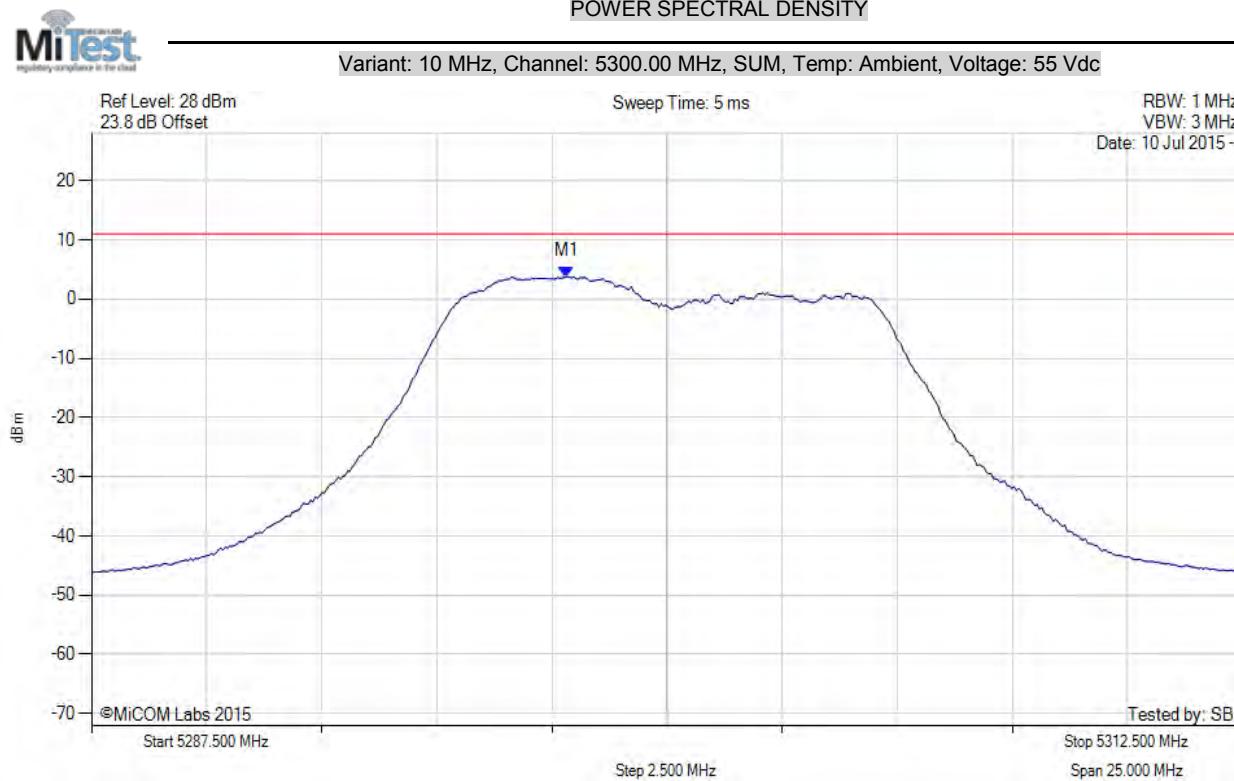
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5297.370 MHz : 1.396 dBm | Channel Frequency: 5300.00 MHz |

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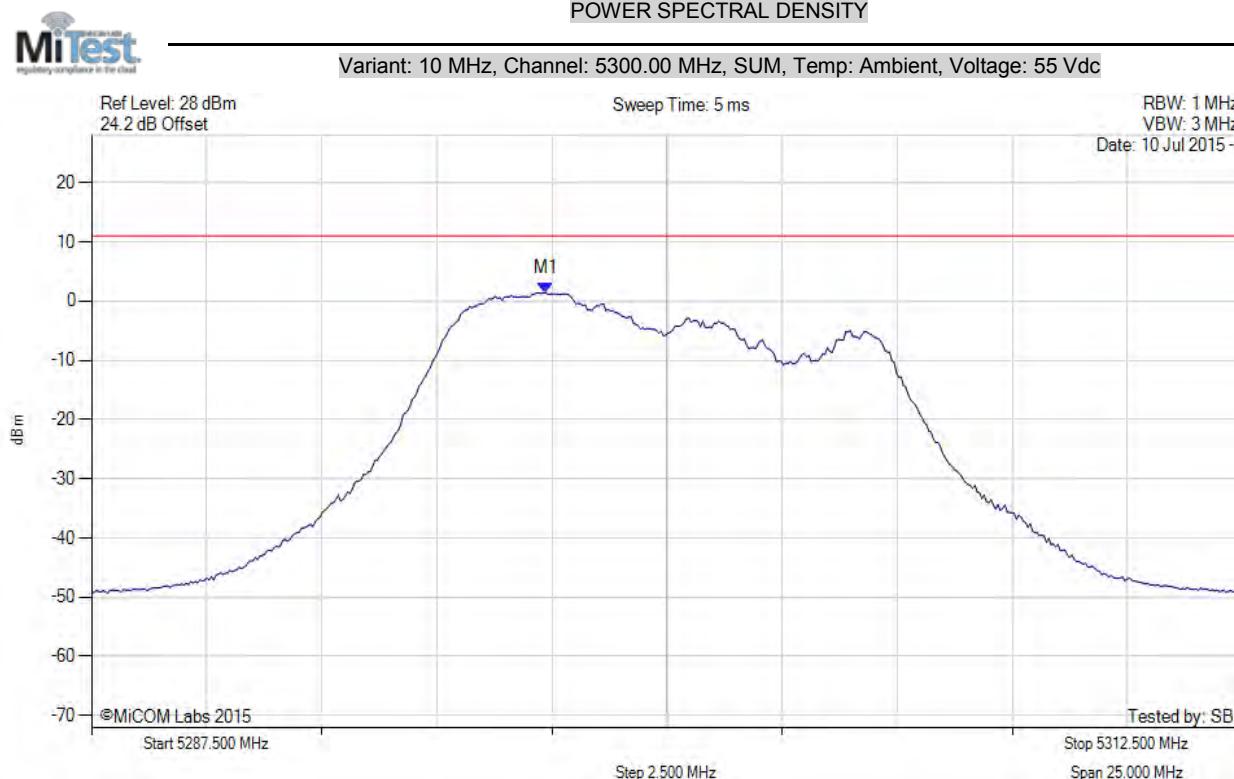
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5297.800 MHz : 3.786 dBm M1 + DCCF : 5297.800 MHz : 4.292 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 11.0 dBm Margin: -6.7 dB |

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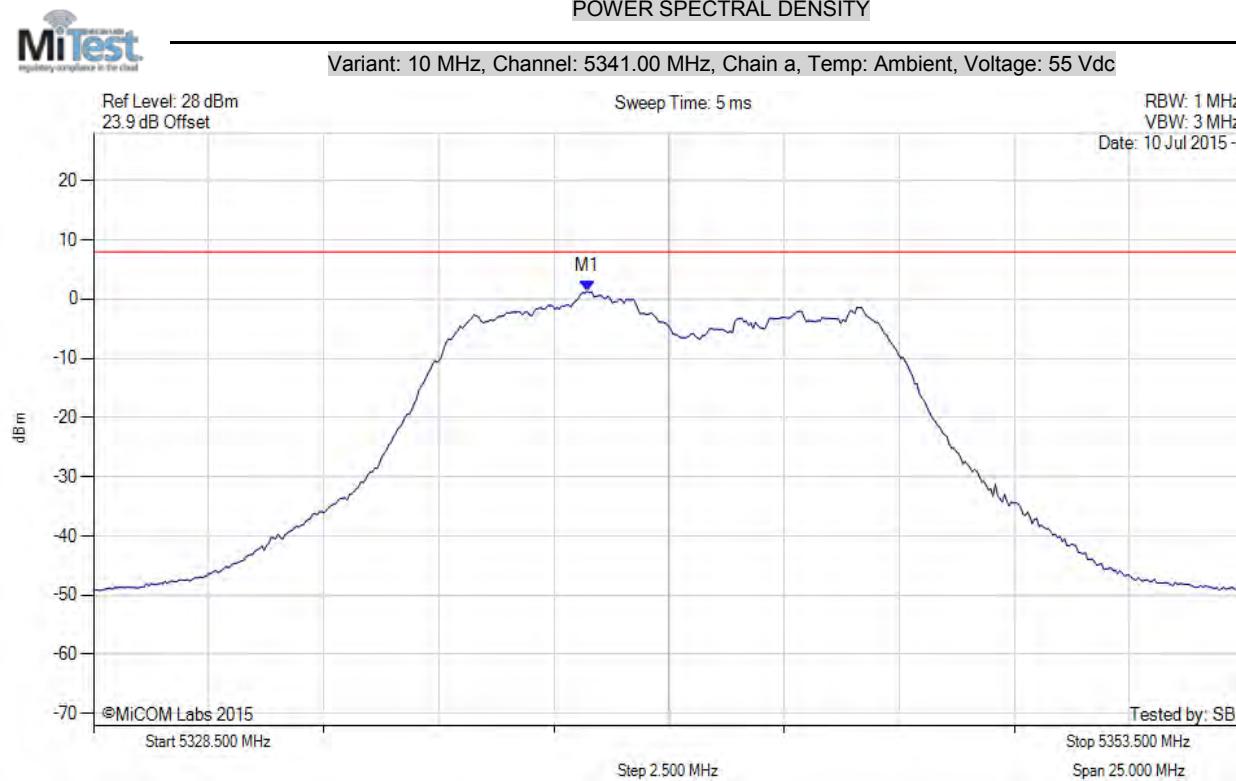
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5297.400 MHz : 1.396 dBm M1 + DCCF : 5297.400 MHz : 1.902 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 11.0 dBm Margin: -9.1 dB |

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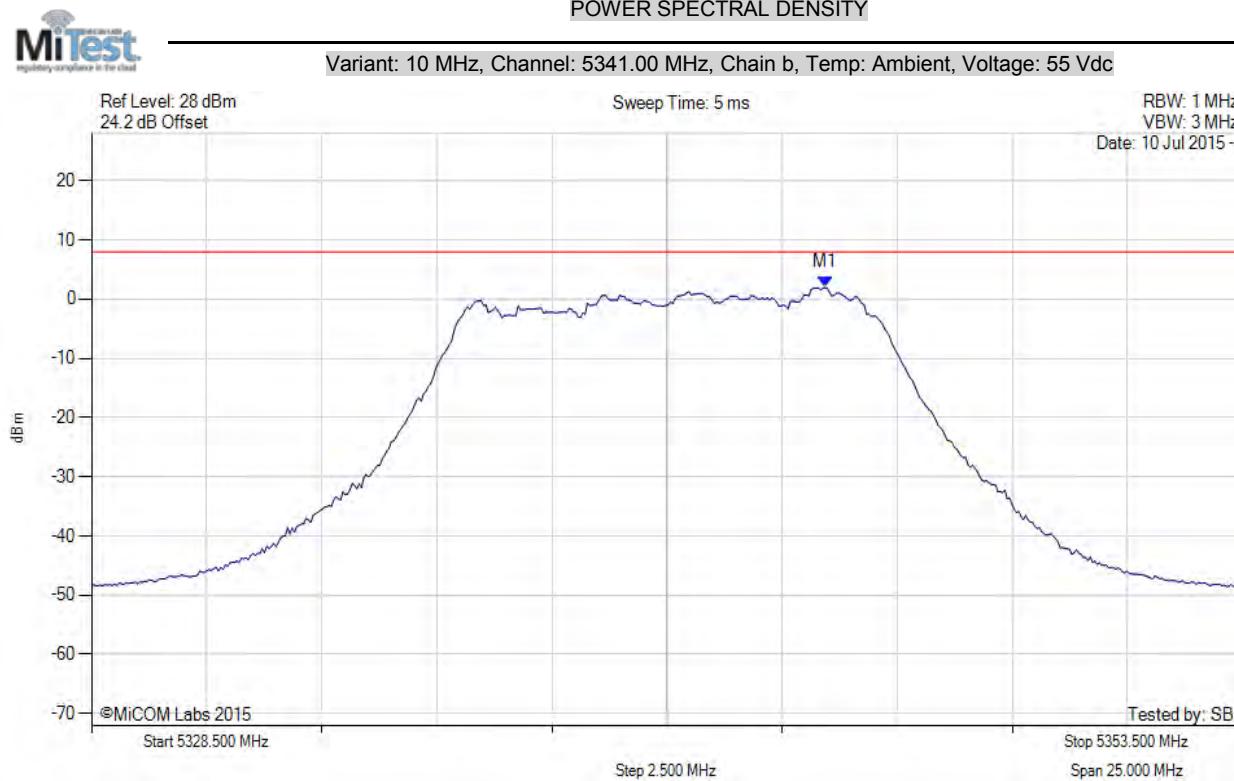
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5339.221 MHz : 1.285 dBm | Limit: ≤ 7.990 dBm |

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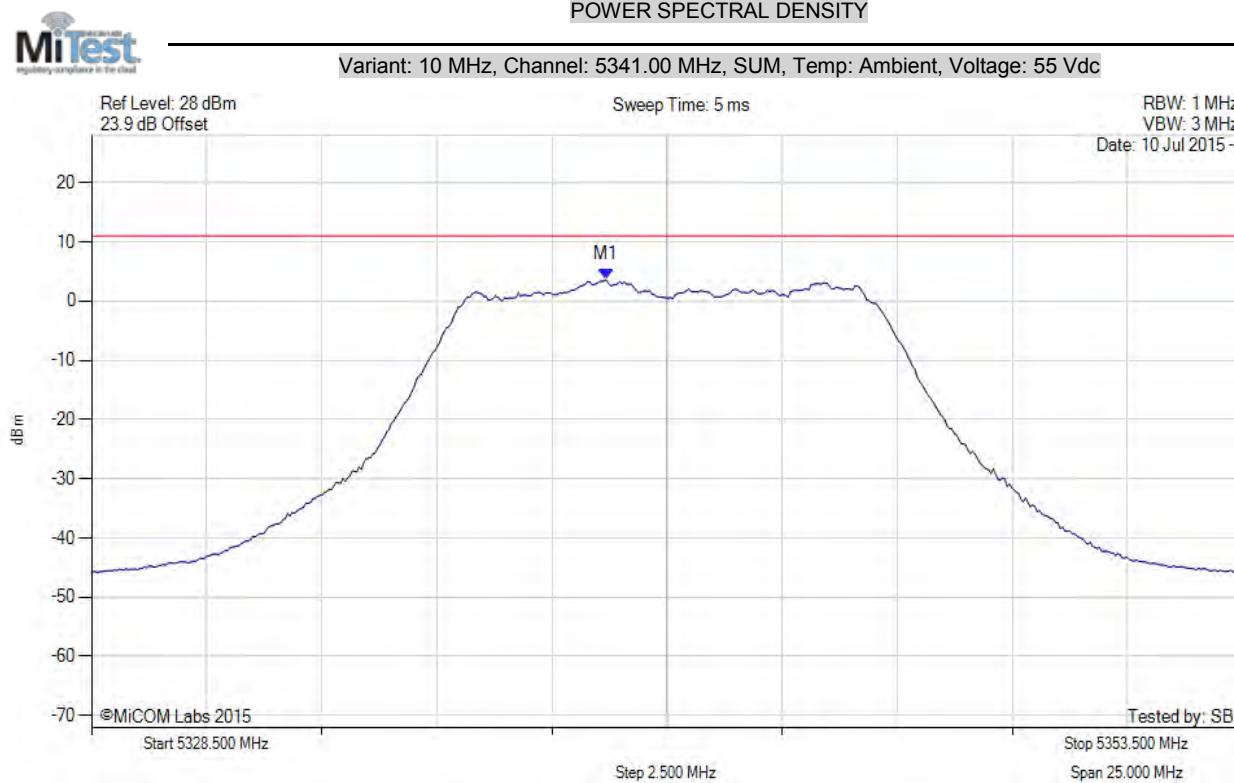
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5344.432 MHz : 1.946 dBm | Limit: ≤ 7.990 dBm |

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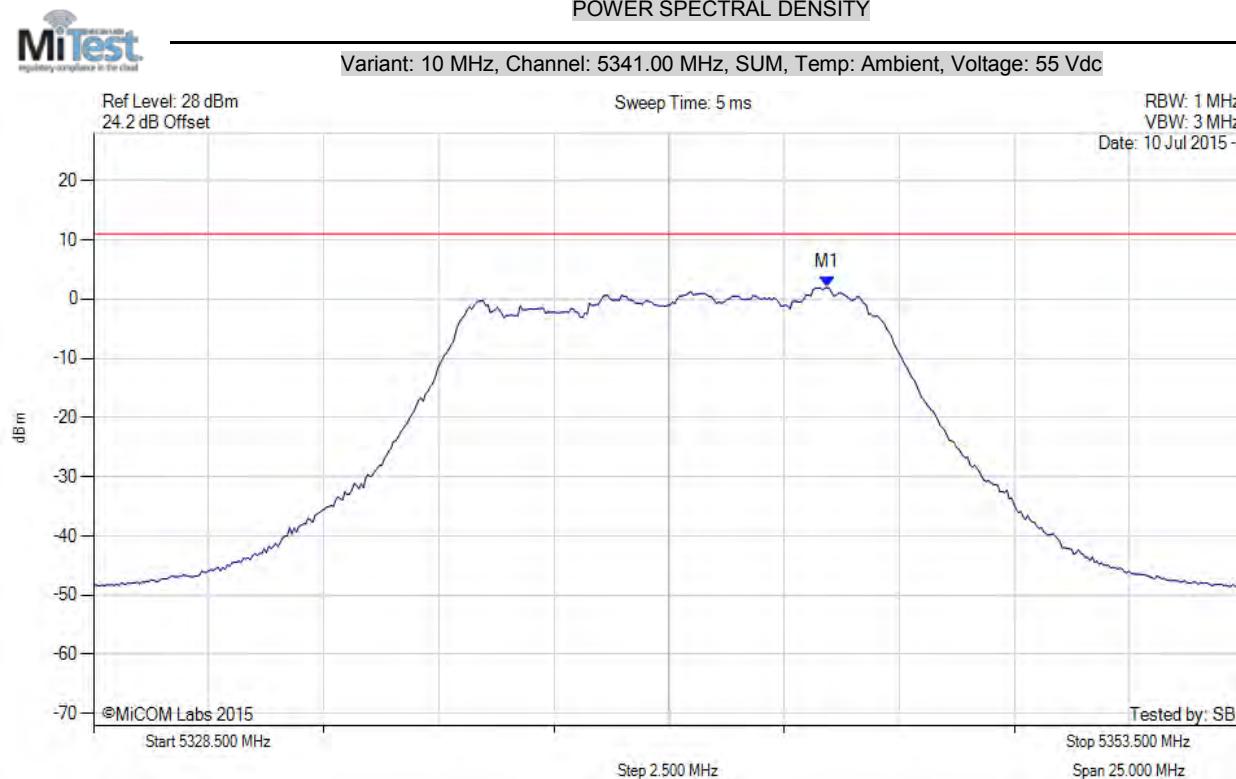
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5339.700 MHz : 3.579 dBm M1 + DCCF : 5339.700 MHz : 4.085 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 11.0 dBm Margin: -6.9 dB |

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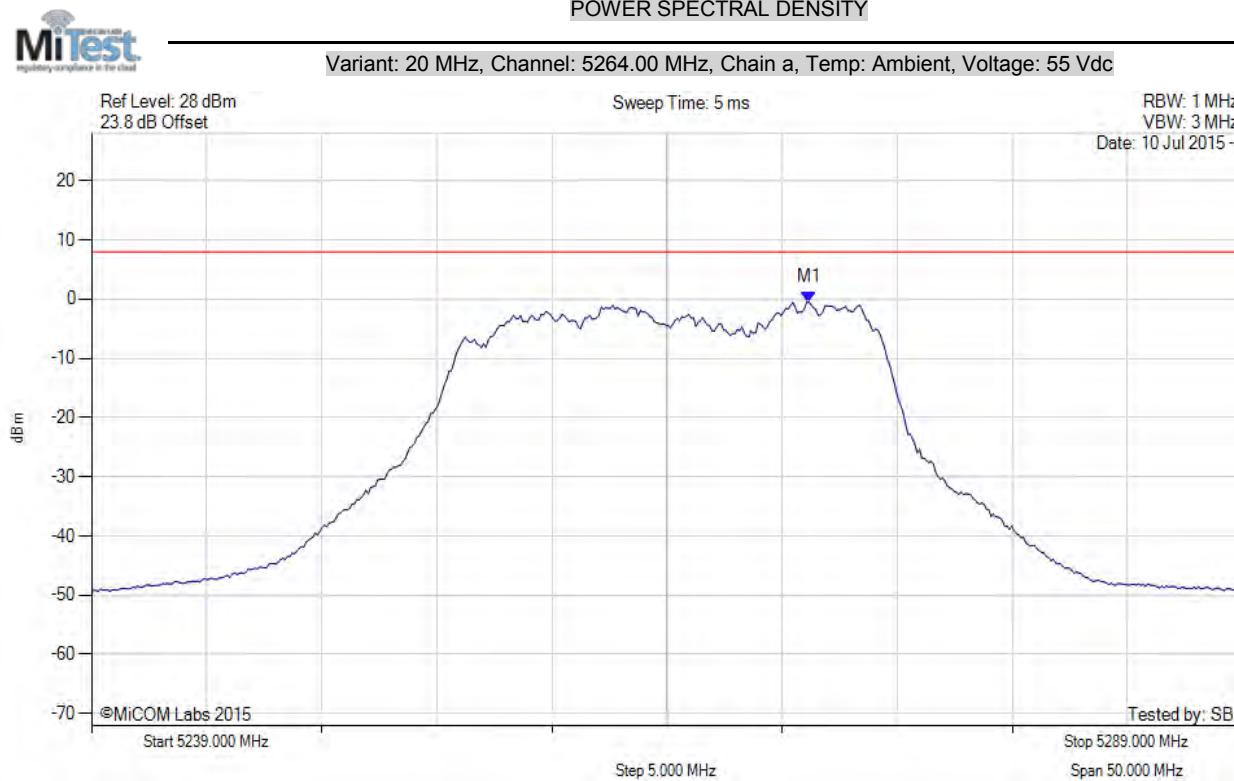
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5344.400 MHz : 1.946 dBm M1 + DCCF : 5344.400 MHz : 2.452 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 11.0 dBm Margin: -8.6 dB |

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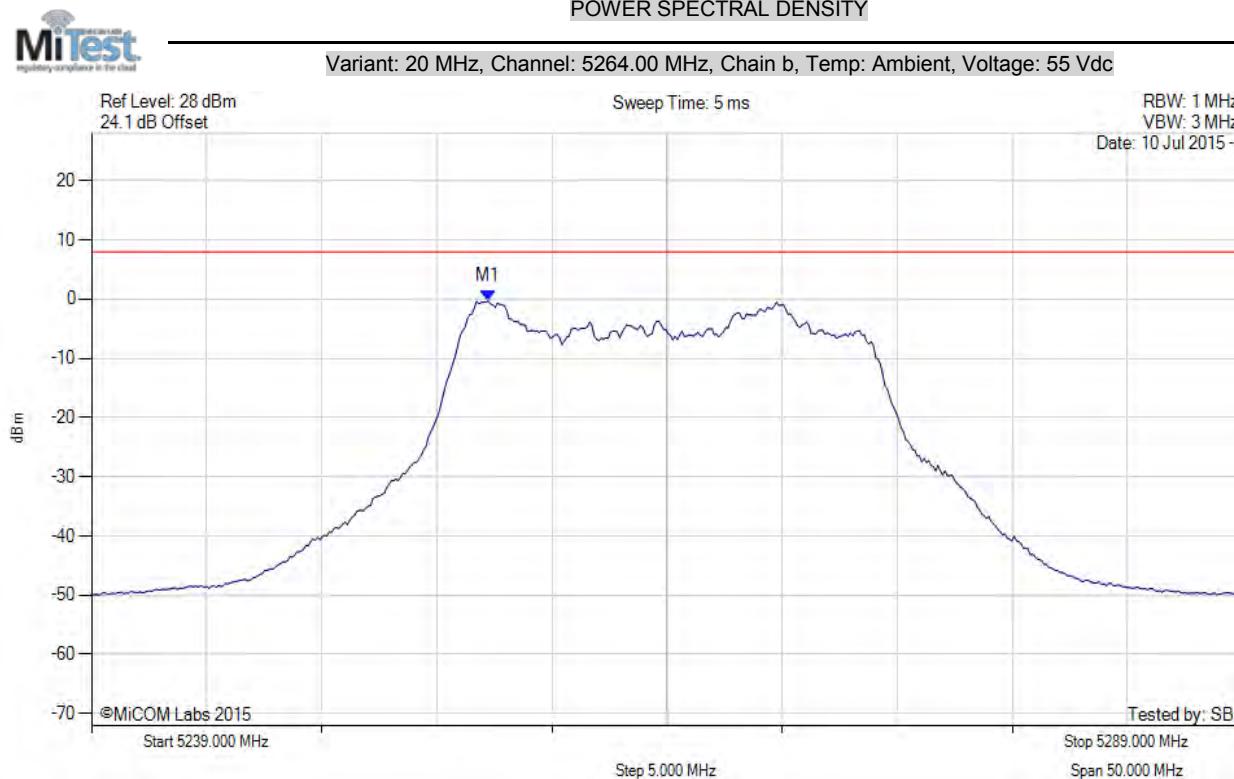
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5270.162 MHz : -0.478 dBm | Limit: ≤ 7.990 dBm |

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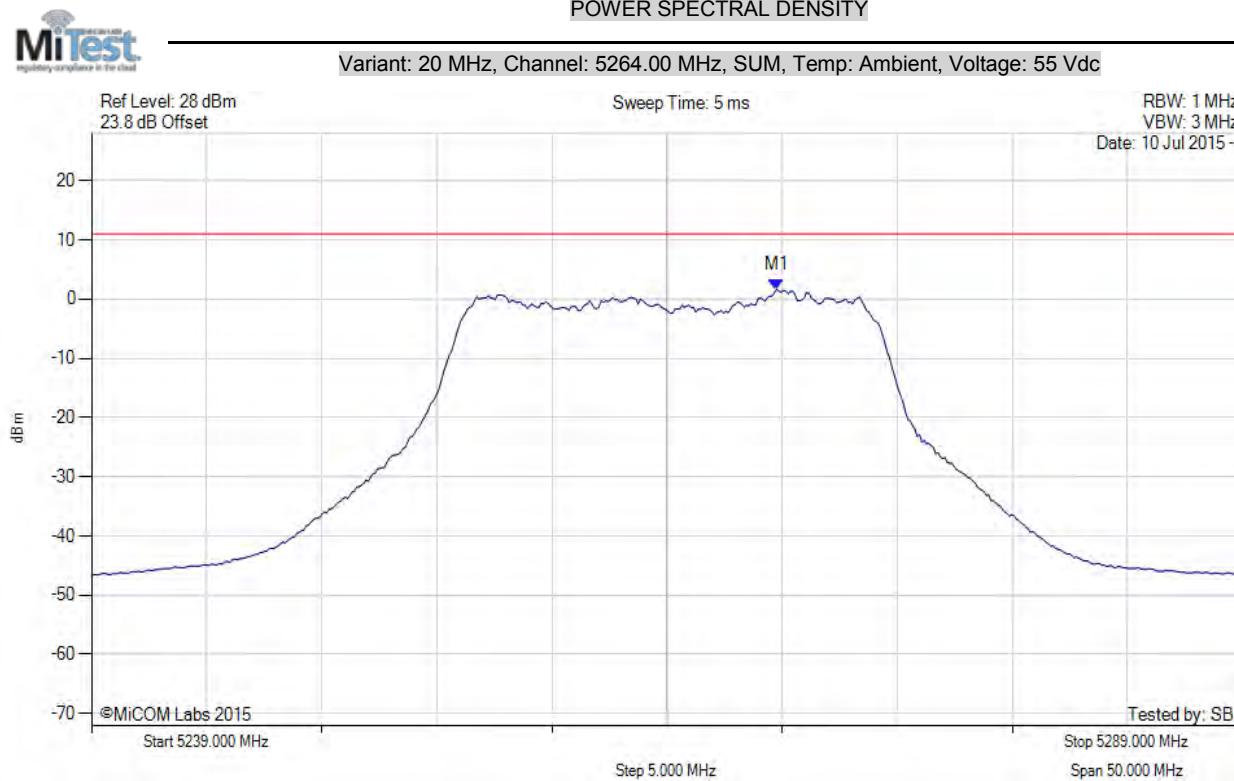
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5256.234 MHz : -0.273 dBm | Limit: ≤ 7.990 dBm |

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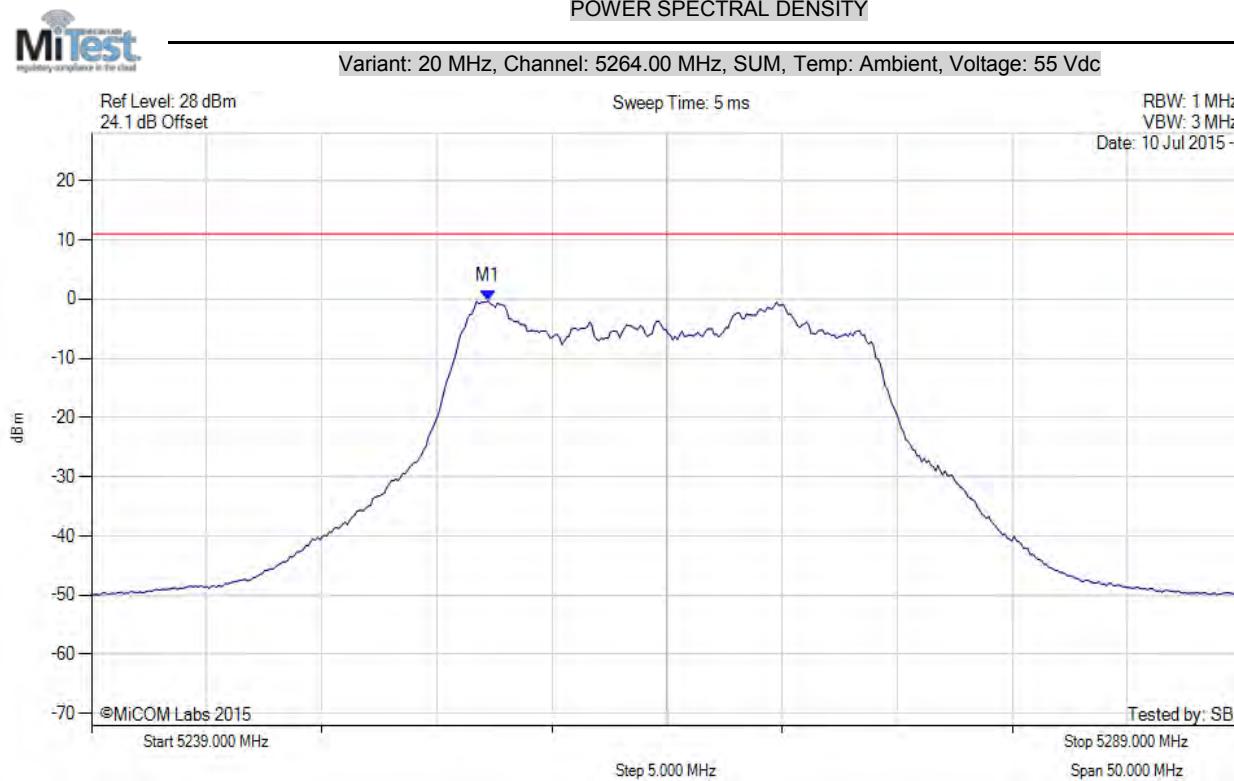
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5268.800 MHz : 1.644 dBm M1 + DCCF : 5268.800 MHz : 2.299 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 11.0 dBm Margin: -8.7 dB |

[back to matrix](#)

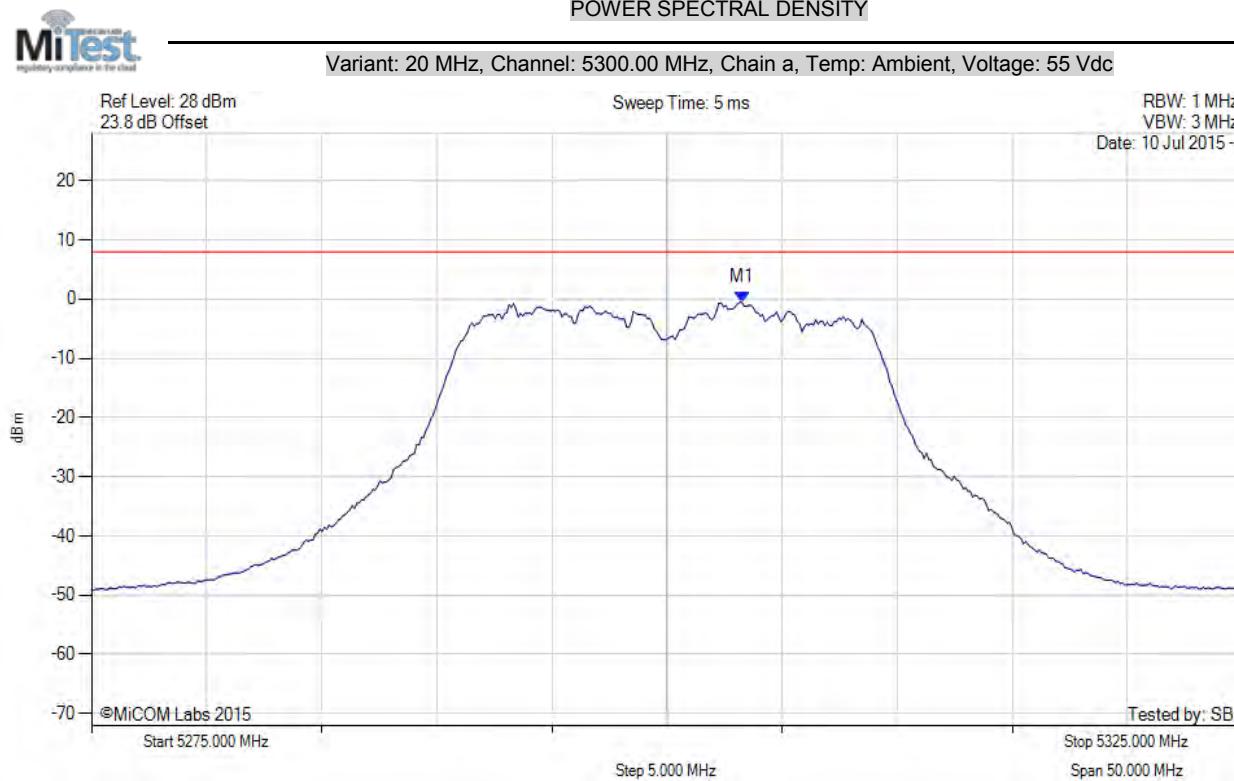
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5256.200 MHz : -0.273 dBm M1 + DCCF : 5256.200 MHz : 0.382 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 11.0 dBm Margin: -10.6 dB |

[back to matrix](#)

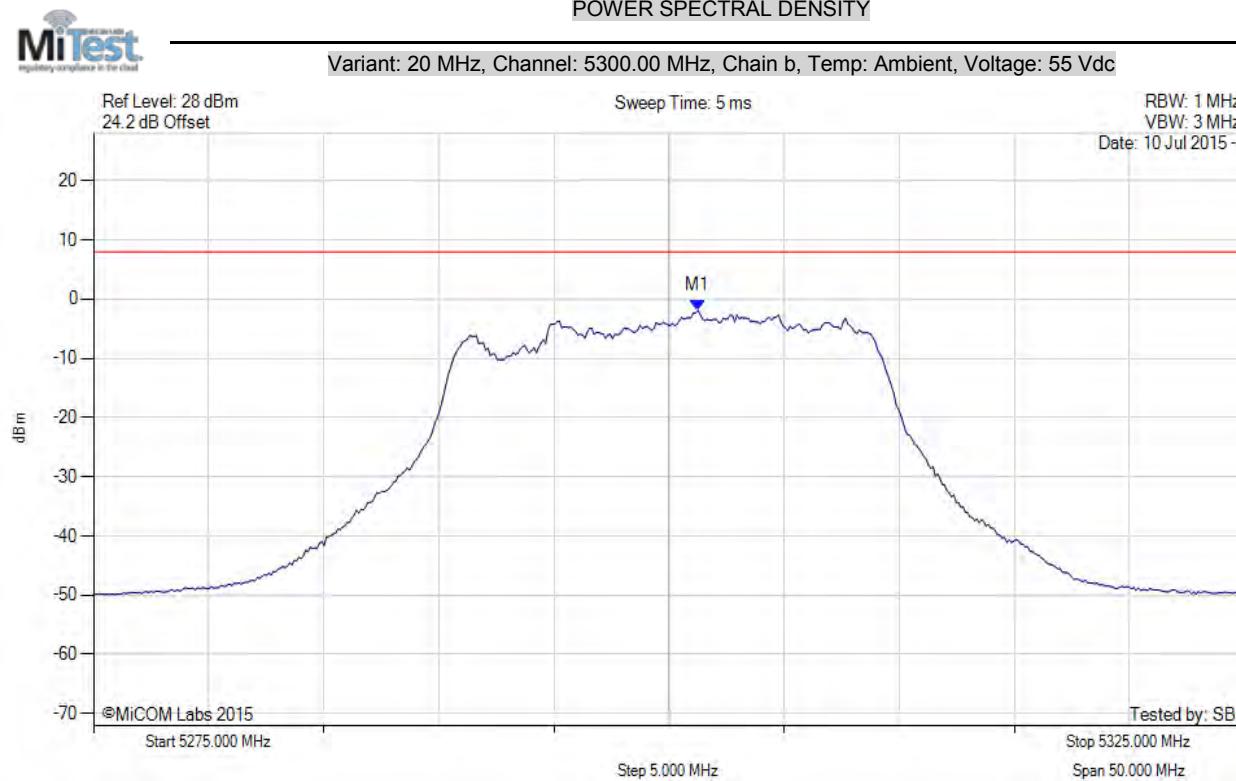
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5303.257 MHz : -0.580 dBm | Limit: ≤ 7.990 dBm |

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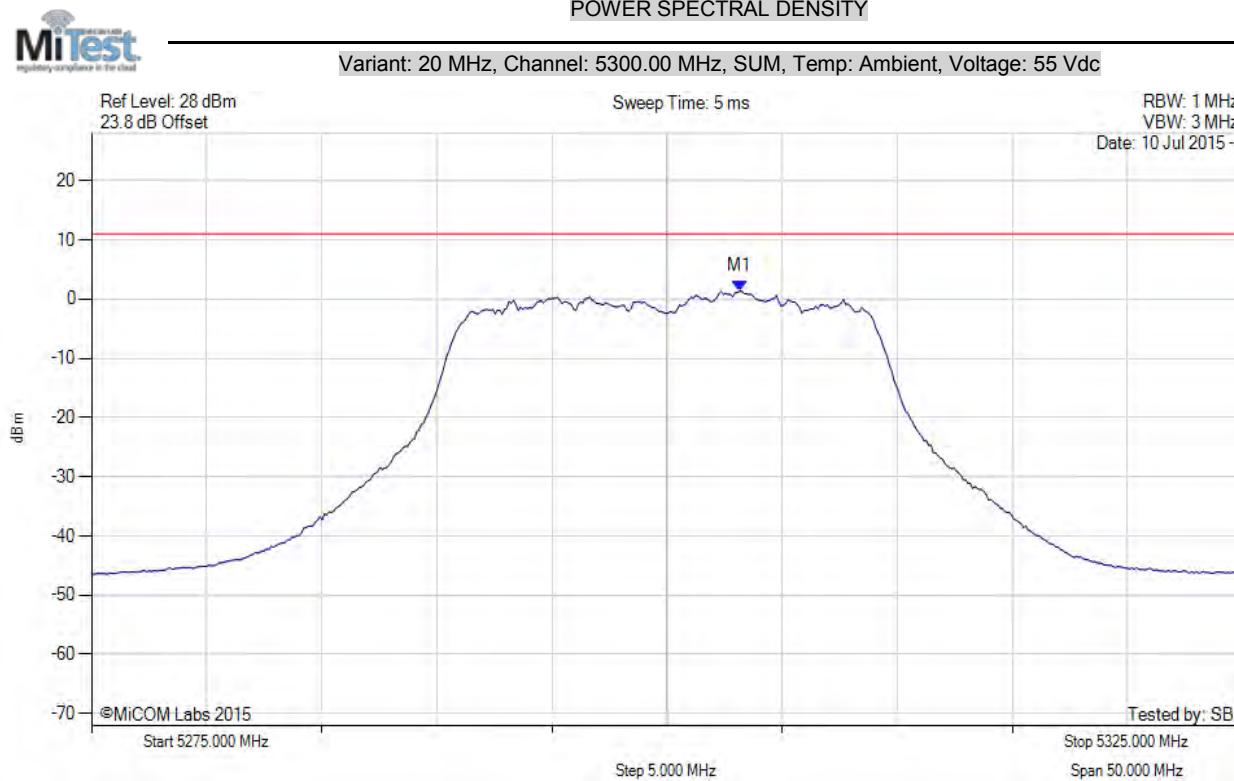
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5301.253 MHz : -1.897 dBm | Channel Frequency: 5300.00 MHz |

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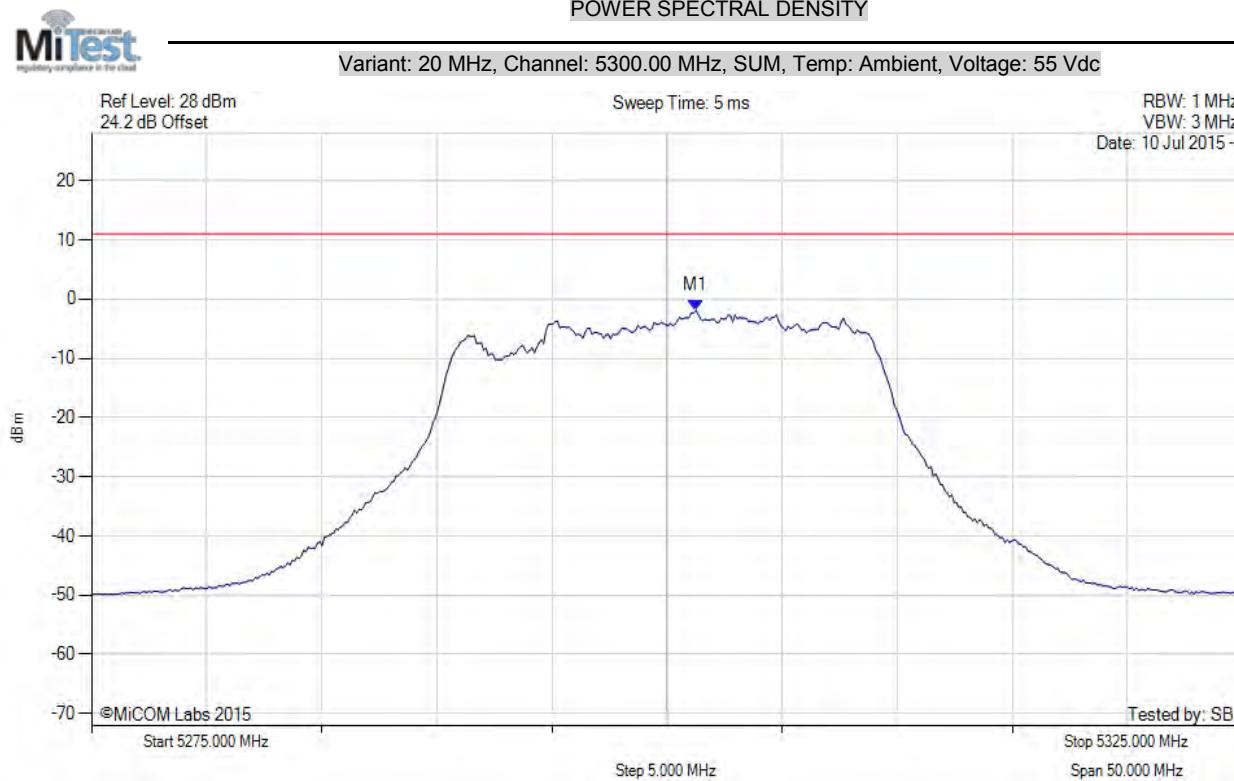
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5303.200 MHz : 1.347 dBm M1 + DCCF : 5303.200 MHz : 2.002 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 11.0 dBm Margin: -9.0 dB |

[back to matrix](#)

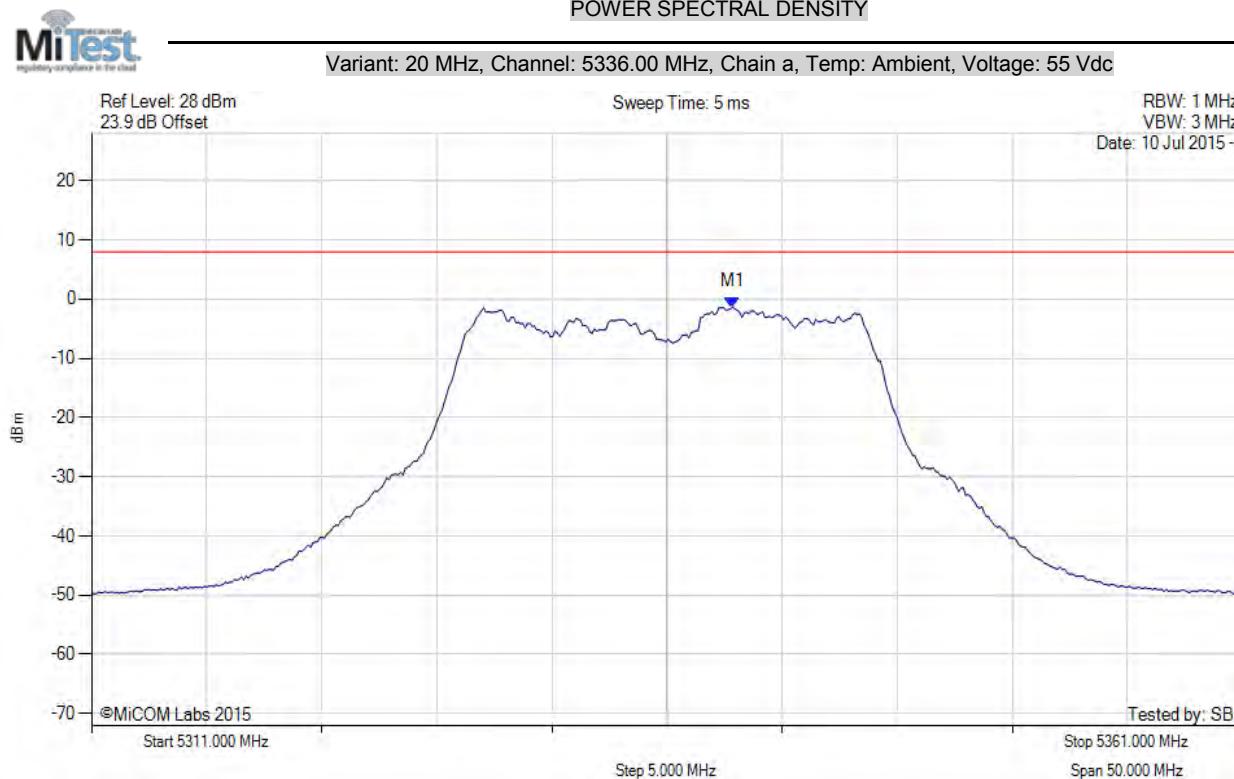
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5301.300 MHz : -1.897 dBm M1 + DCCF : 5301.300 MHz : -1.242 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 11.0 dBm Margin: -12.3 dB |

[back to matrix](#)

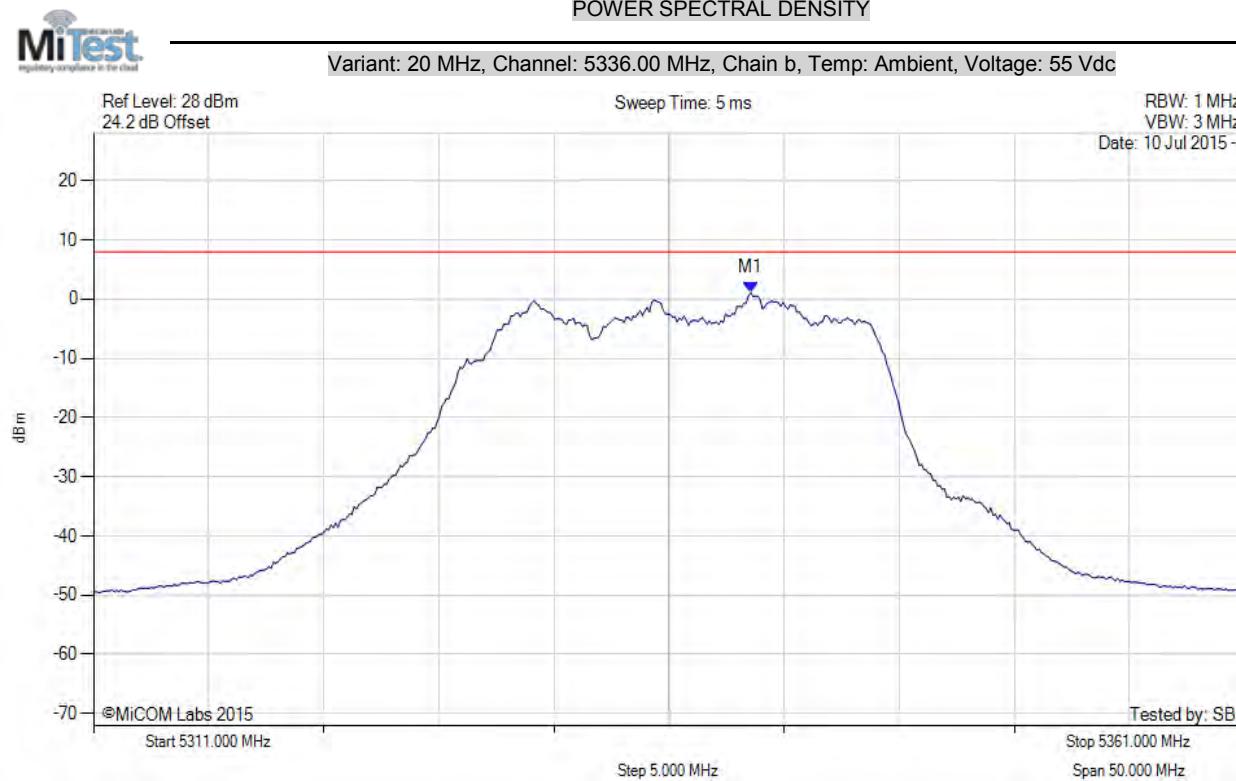
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5338.856 MHz : -1.365 dBm | Limit: ≤ 7.990 dBm |

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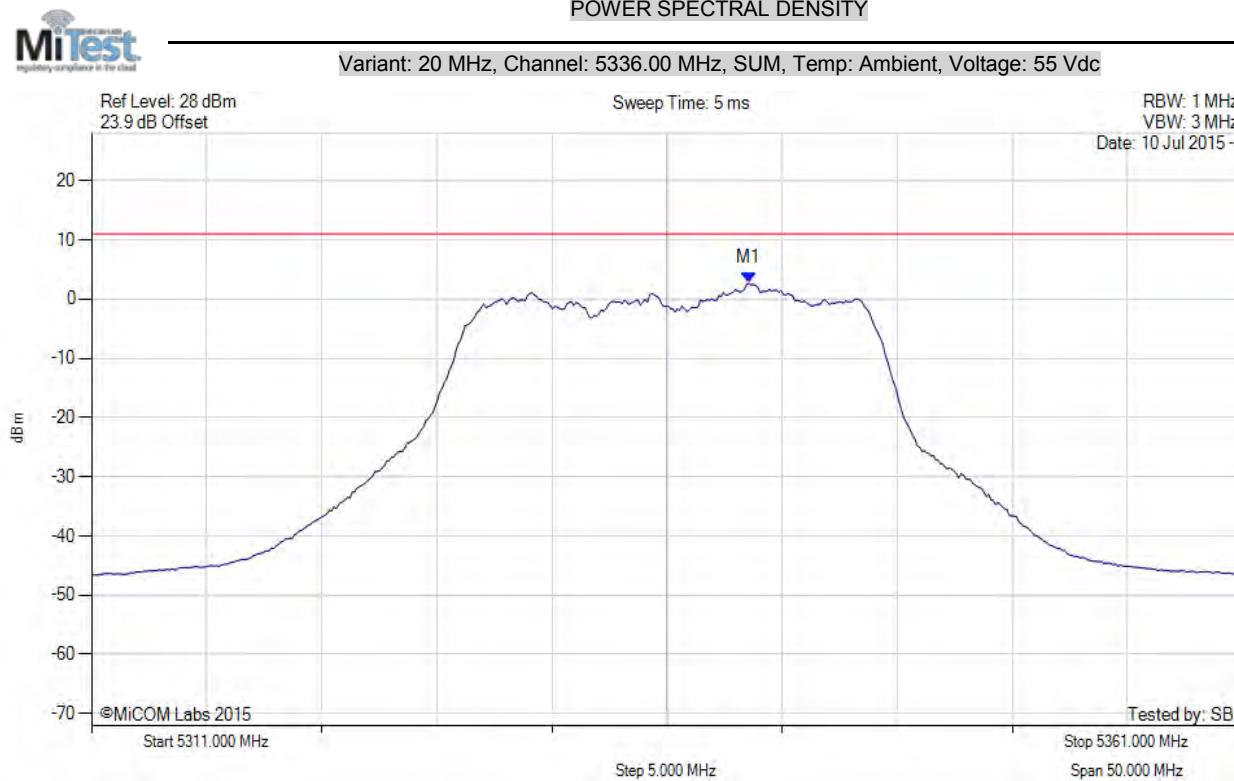
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5339.557 MHz : 1.086 dBm | Limit: ≤ 7.990 dBm |

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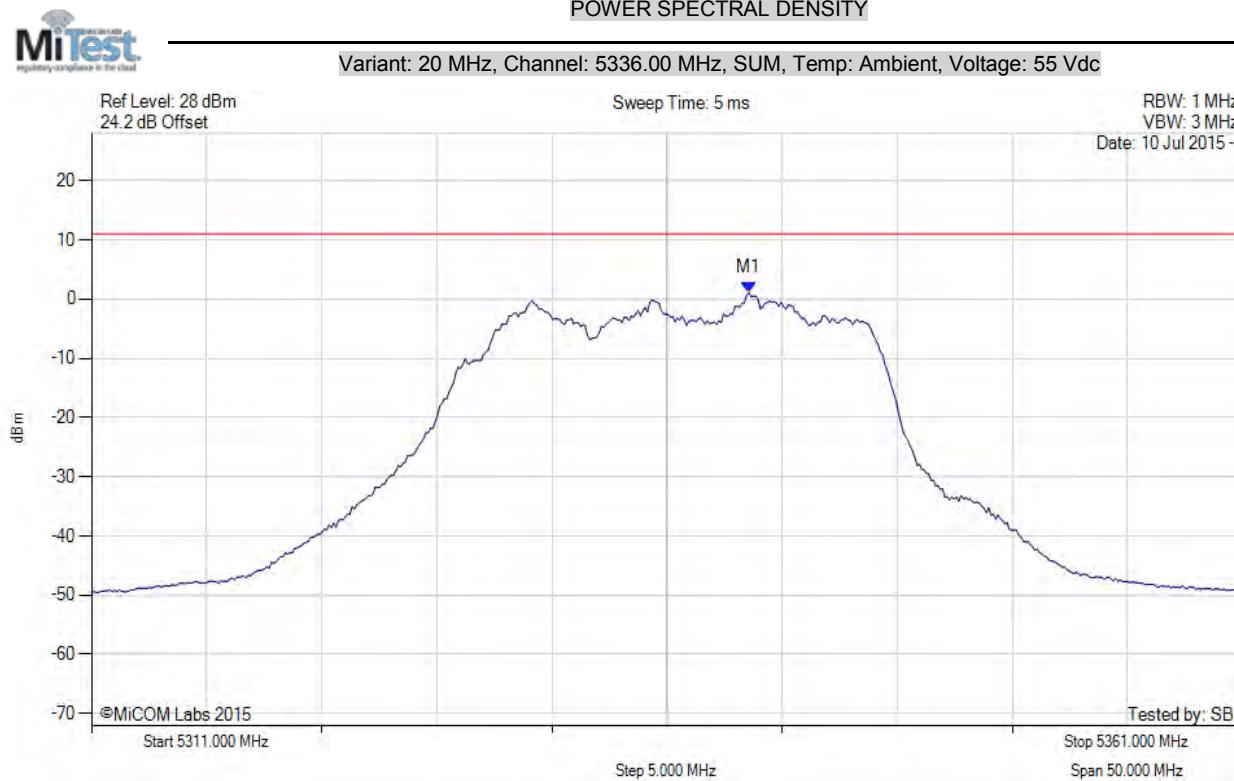
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5339.600 MHz : 2.681 dBm M1 + DCCF : 5339.600 MHz : 3.336 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 11.0 dBm Margin: -7.7 dB |

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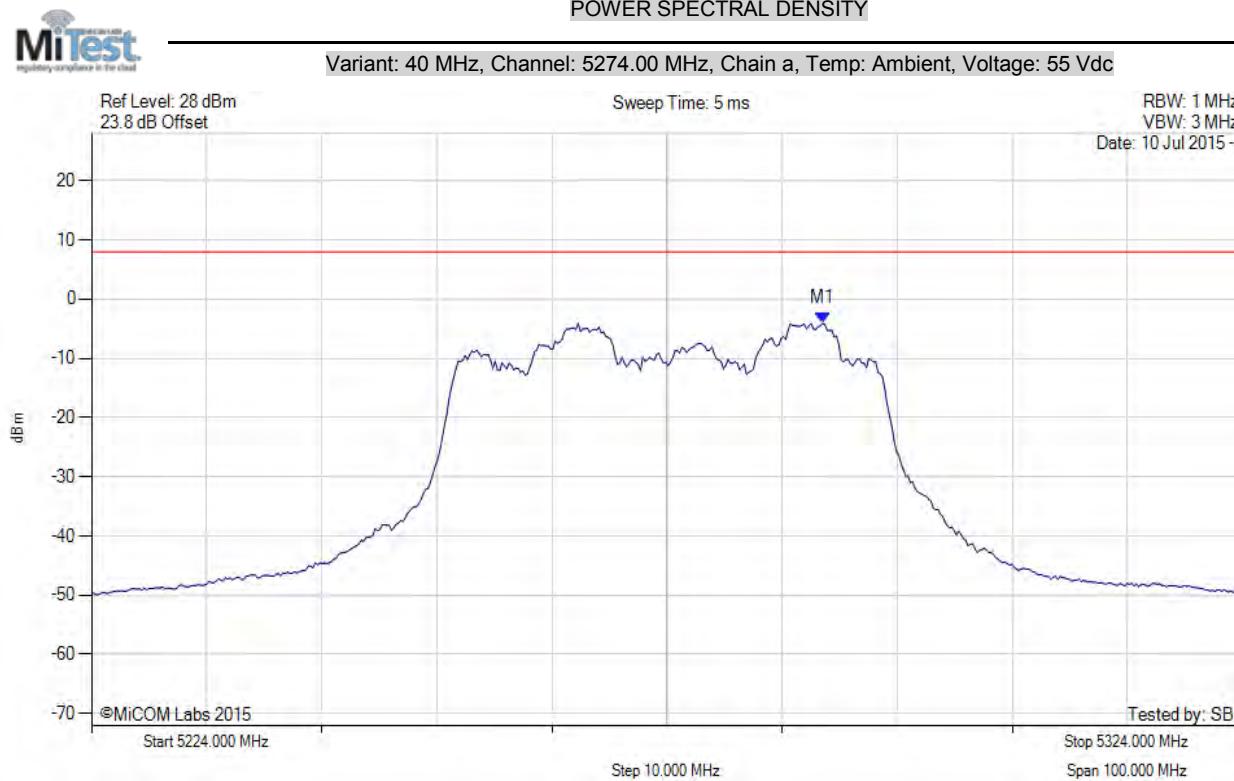
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5339.600 MHz : 1.086 dBm M1 + DCCF : 5339.600 MHz : 1.741 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 11.0 dBm Margin: -9.3 dB |

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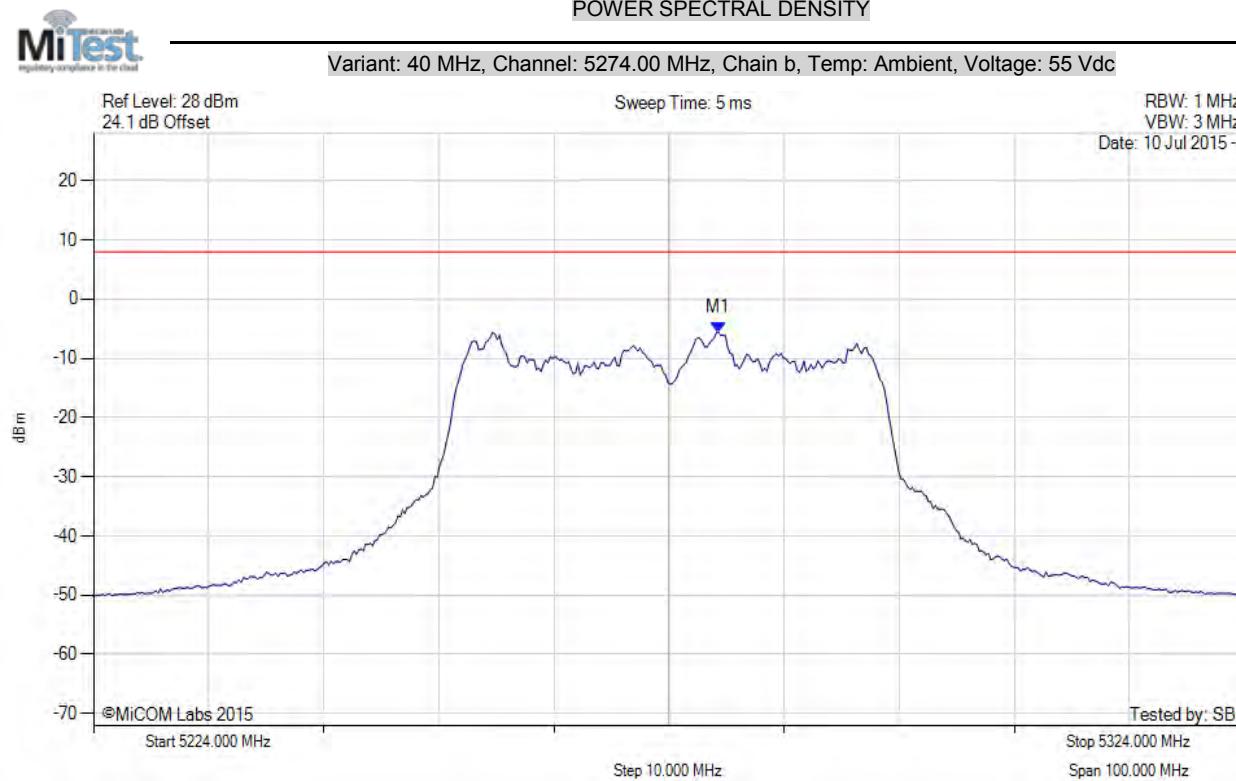
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5287.527 MHz : -4.112 dBm | Limit: ≤ 7.990 dBm |

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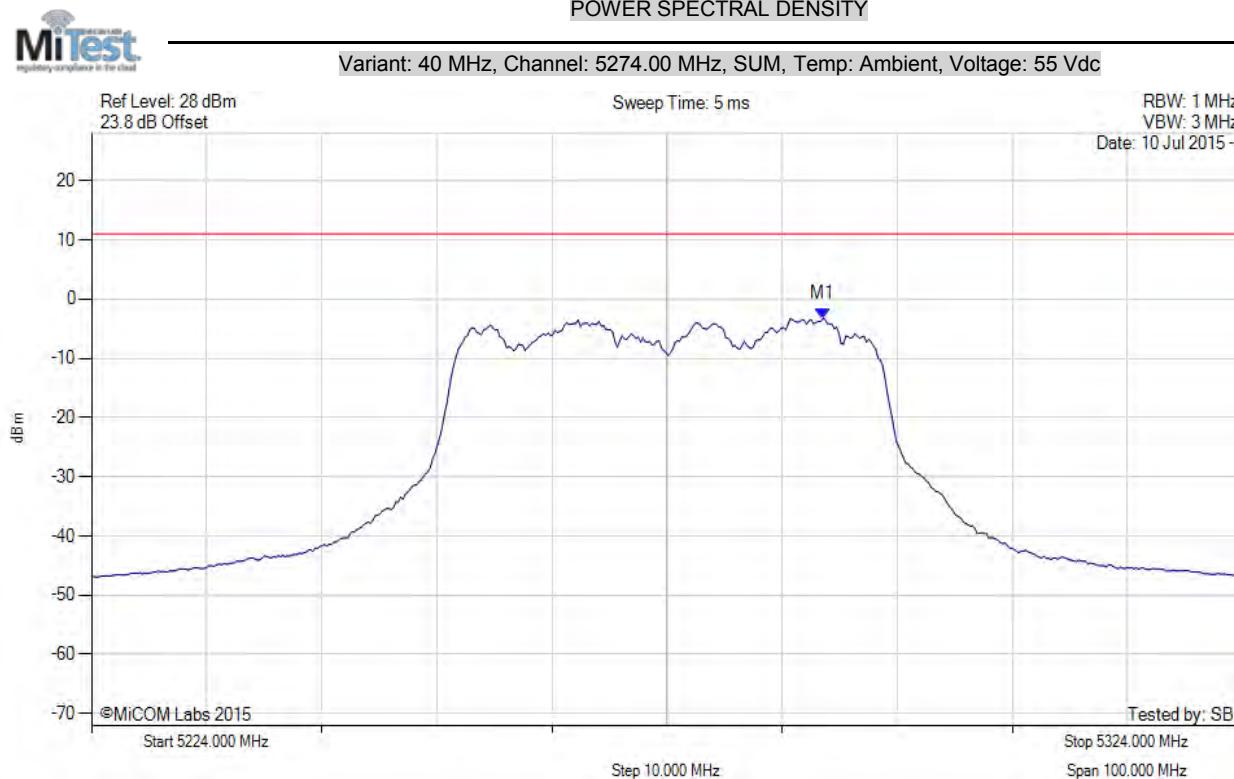
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5278.309 MHz : -5.646 dBm | Limit: ≤ 7.990 dBm |

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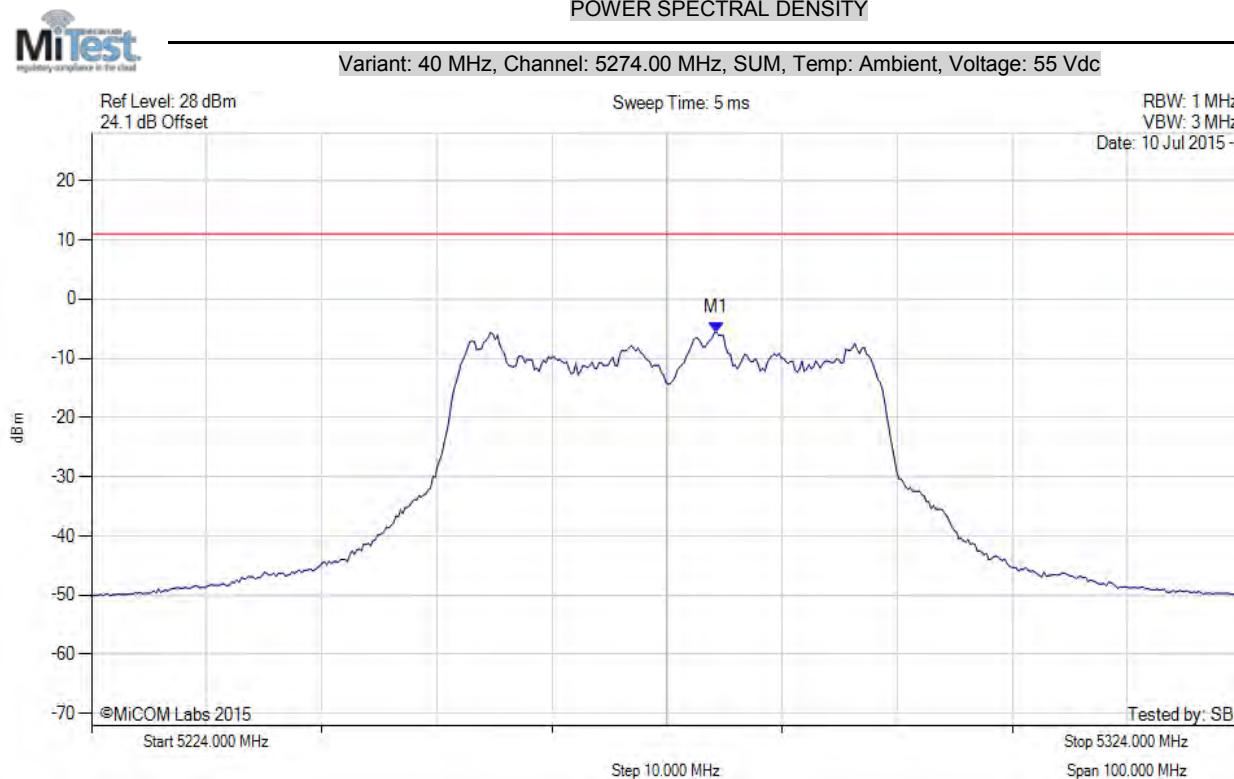
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5287.500 MHz : -3.293 dBm M1 + DCCF : 5287.500 MHz : -2.351 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 11.0 dBm Margin: -13.4 dB |

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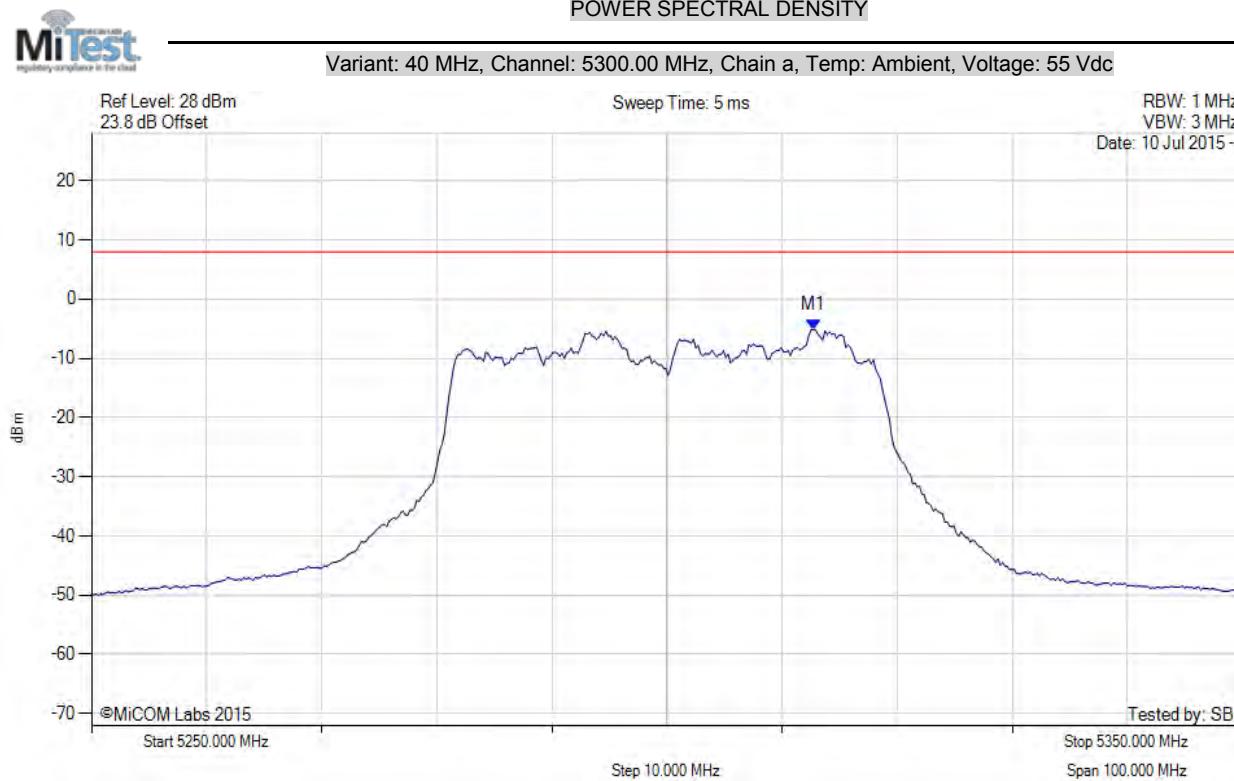
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5278.300 MHz : -5.646 dBm M1 + DCCF : 5278.300 MHz : -4.704 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 11.0 dBm Margin: -15.7 dB |

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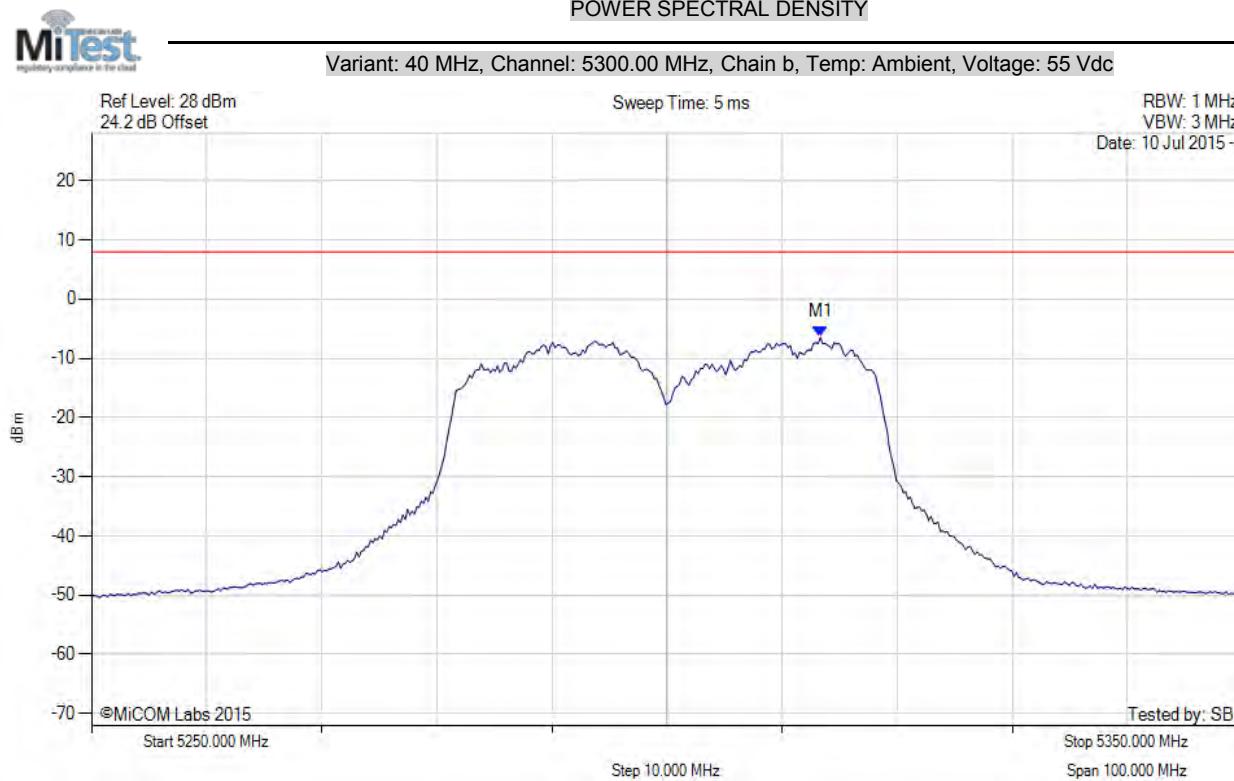
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5312.725 MHz : -5.173 dBm | Limit: ≤ 7.990 dBm |

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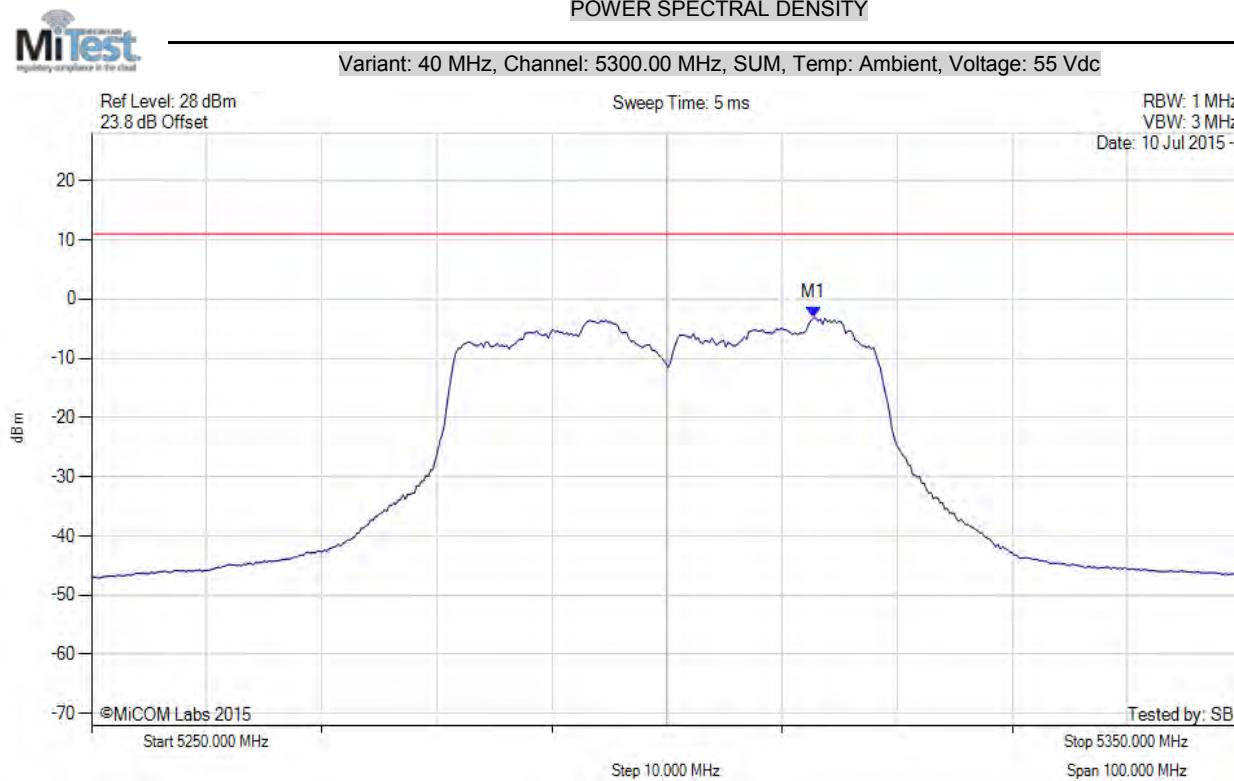
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5313.327 MHz : -6.474 dBm | Channel Frequency: 5300.00 MHz |

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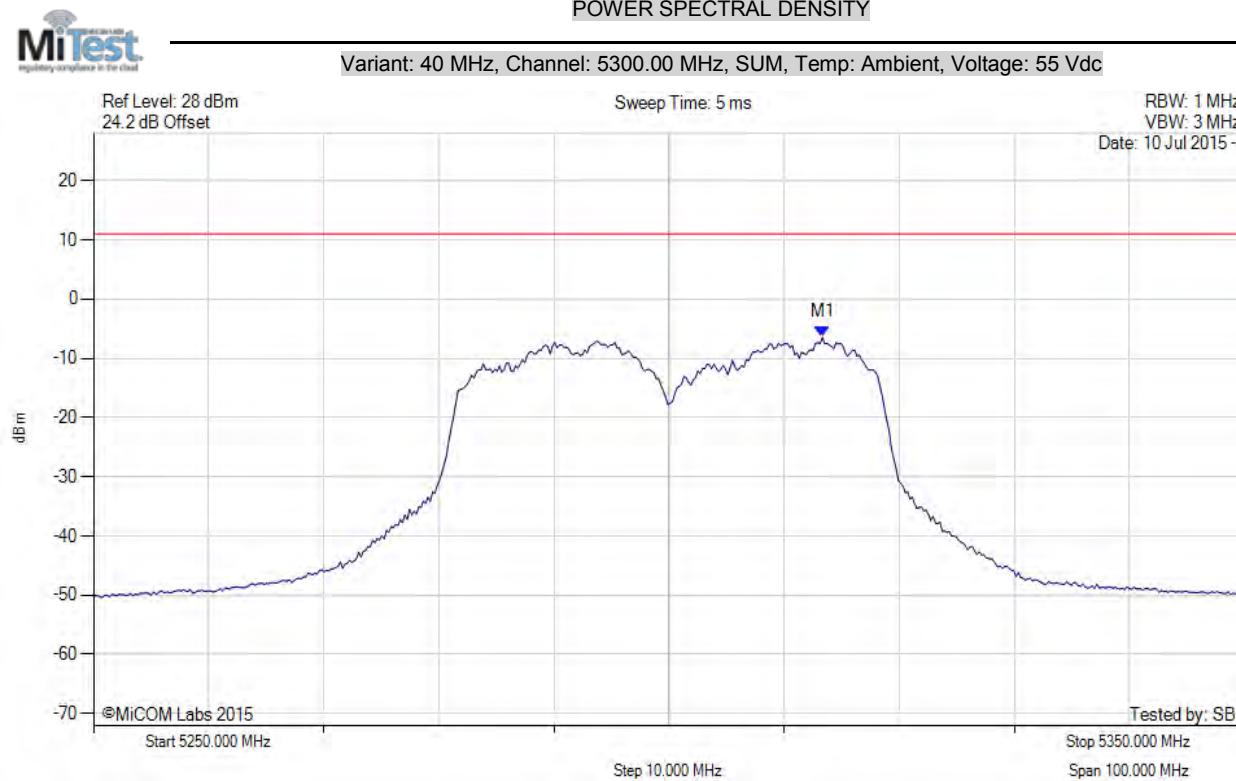
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5312.700 MHz : -3.172 dBm M1 + DCCF : 5312.700 MHz : -2.230 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 11.0 dBm Margin: -13.2 dB |

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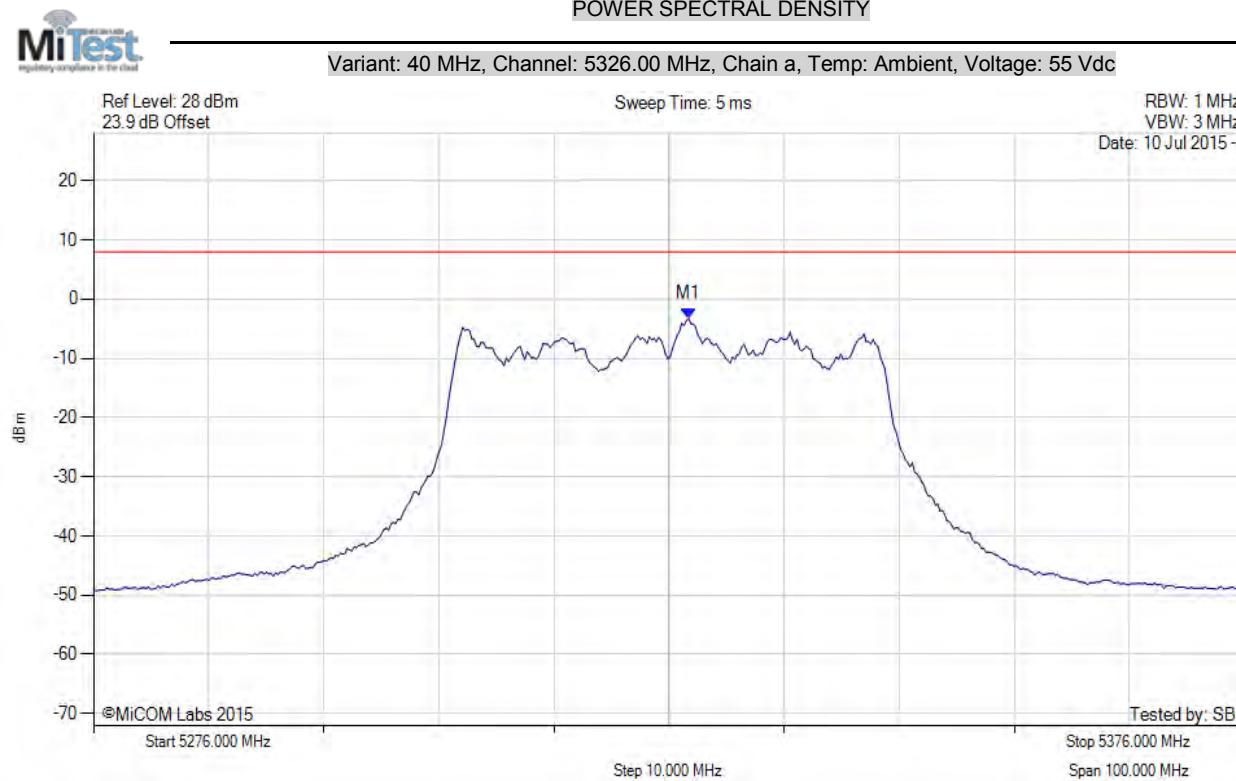
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5313.300 MHz : -6.474 dBm M1 + DCCF : 5313.300 MHz : -5.532 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 11.0 dBm Margin: -16.5 dB |

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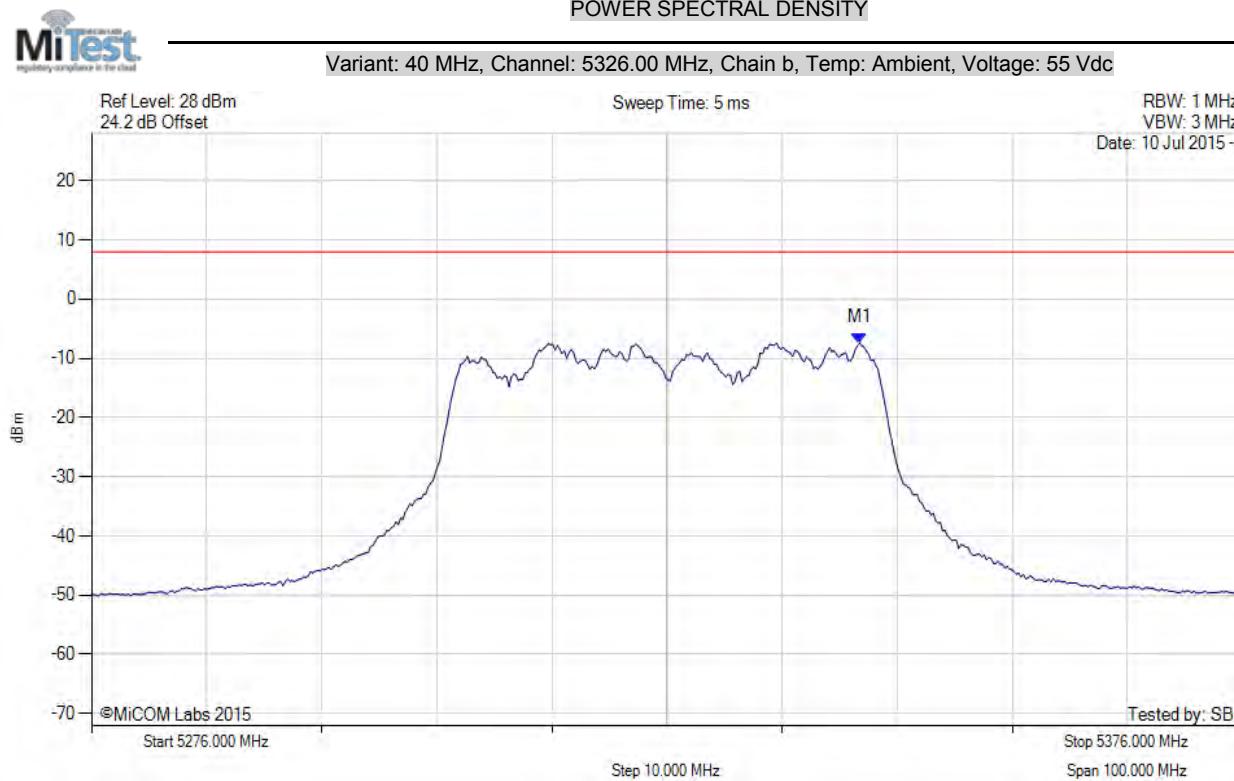
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5327.703 MHz : -3.260 dBm | Limit: ≤ 7.990 dBm |

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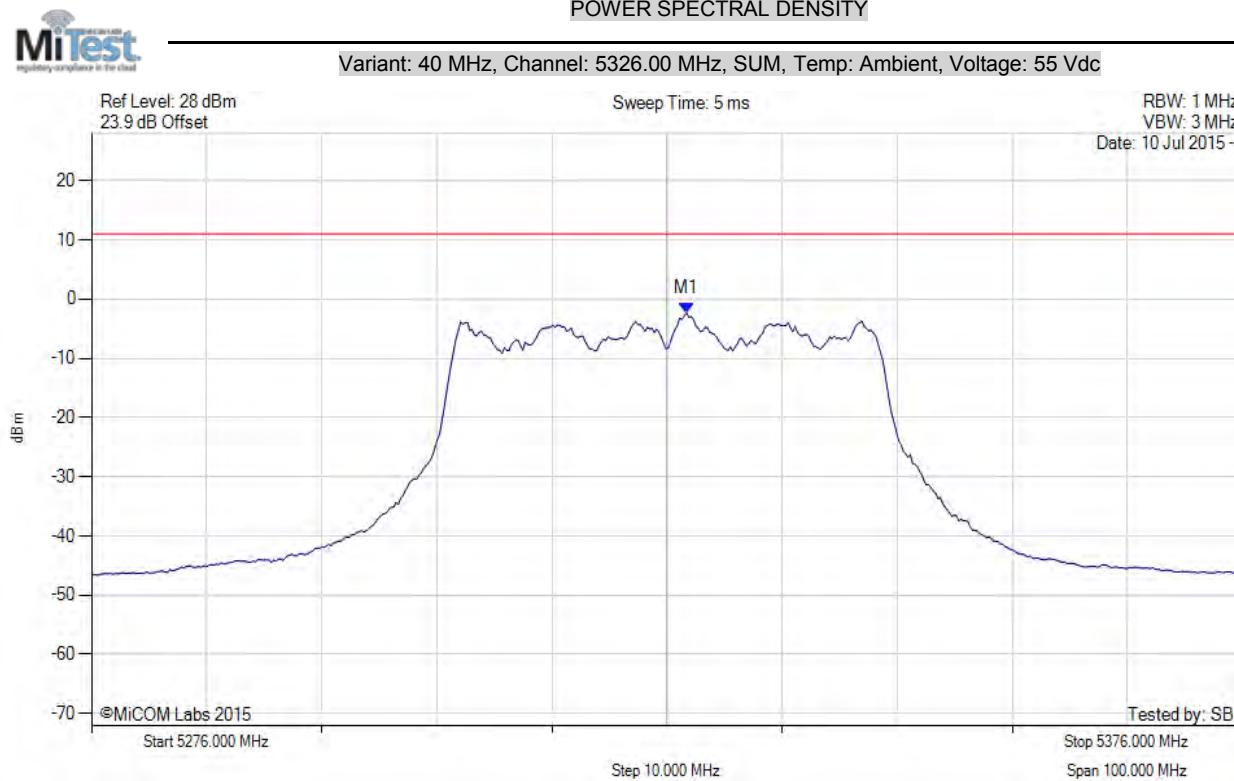
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5342.733 MHz : -7.428 dBm | Limit: ≤ 7.990 dBm |

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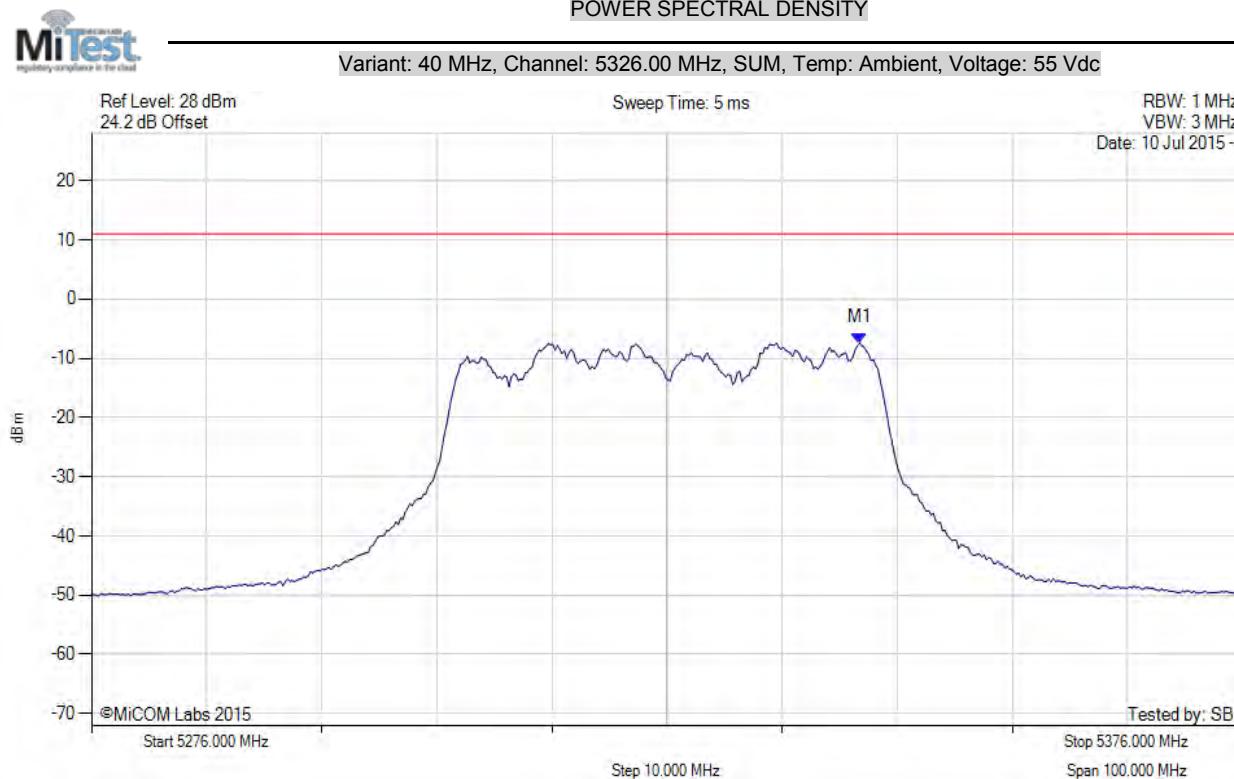
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5327.700 MHz : -2.324 dBm M1 + DCCF : 5327.700 MHz : -1.382 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 11.0 dBm Margin: -12.4 dB |

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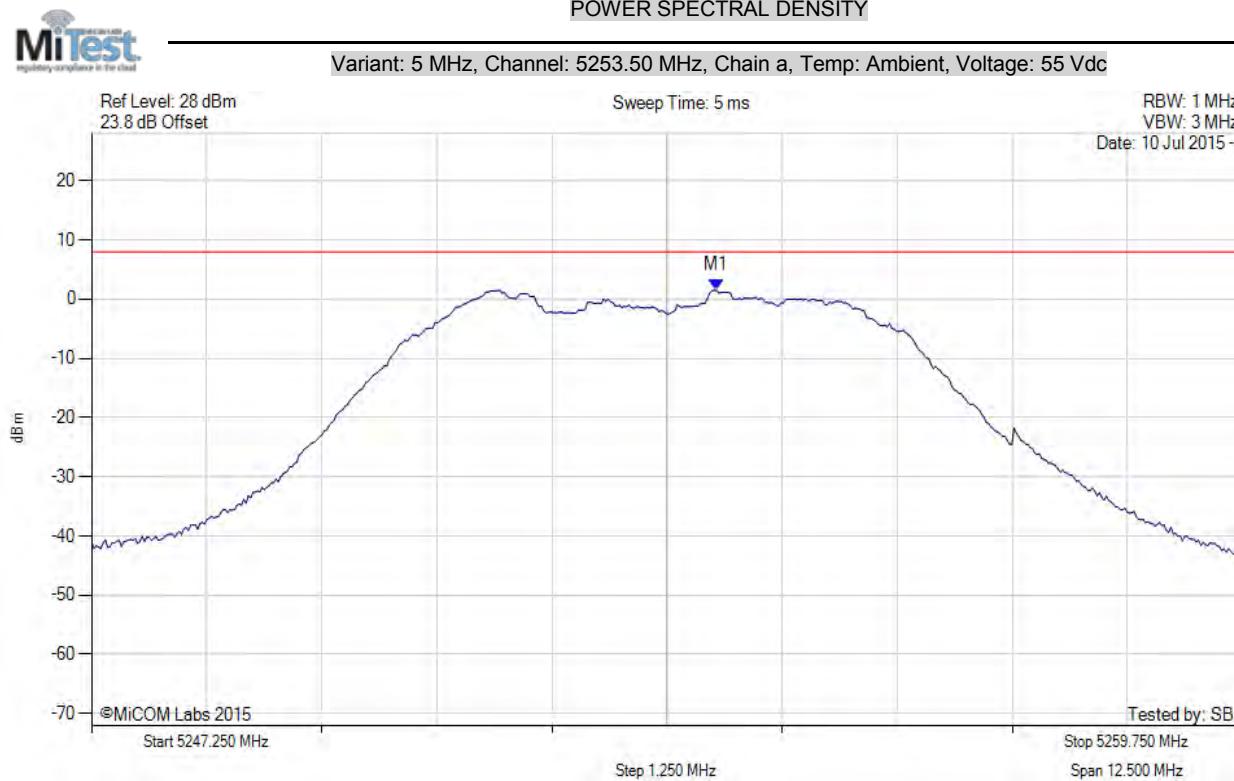
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5342.700 MHz : -7.428 dBm M1 + DCCF : 5342.700 MHz : -6.486 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 11.0 dBm Margin: -17.5 dB |

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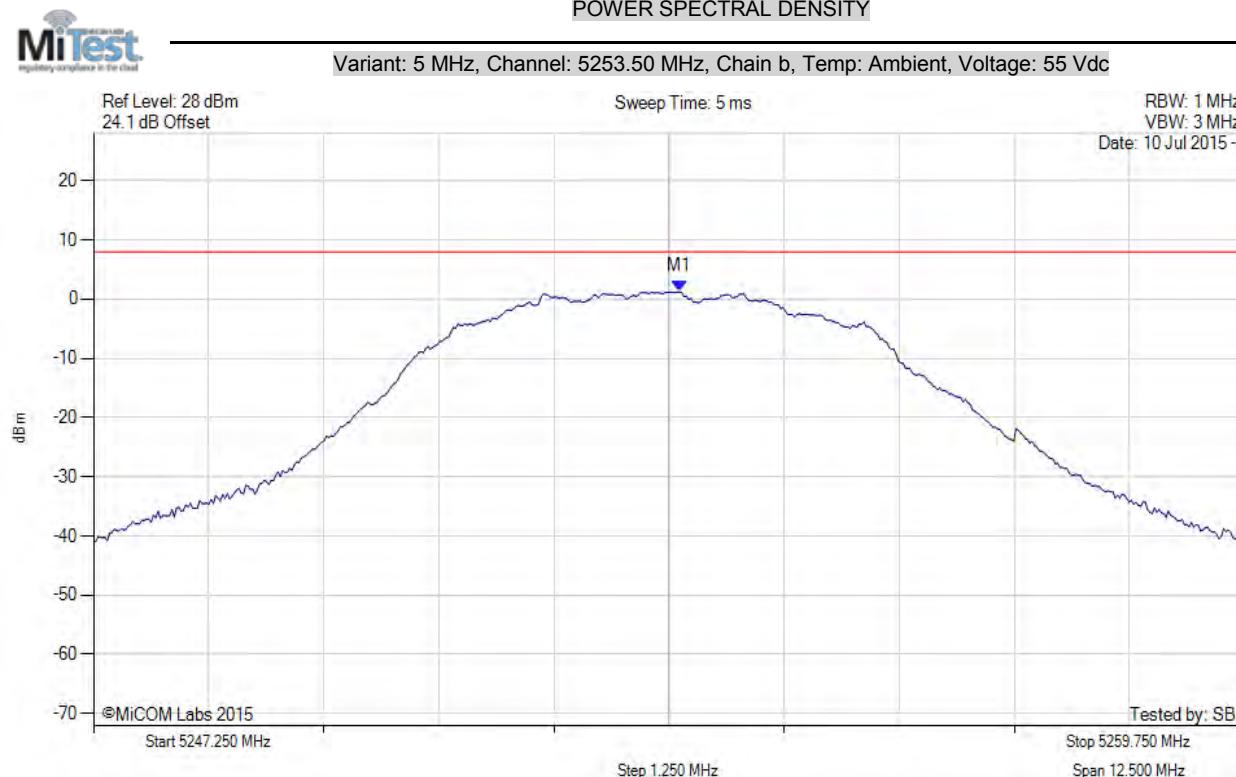
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5254.039 MHz : 1.529 dBm | Limit: ≤ 7.990 dBm |

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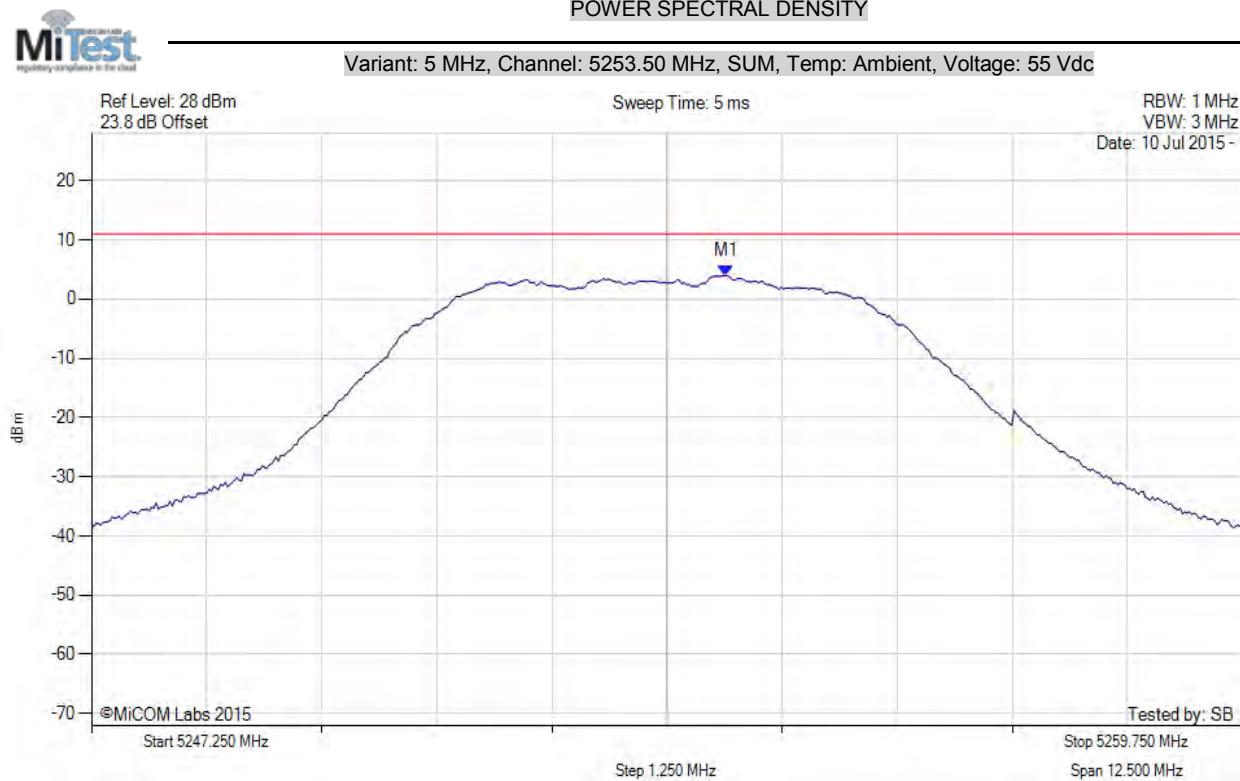
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5253.613 MHz : 1.240 dBm | Limit: ≤ 7.990 dBm |

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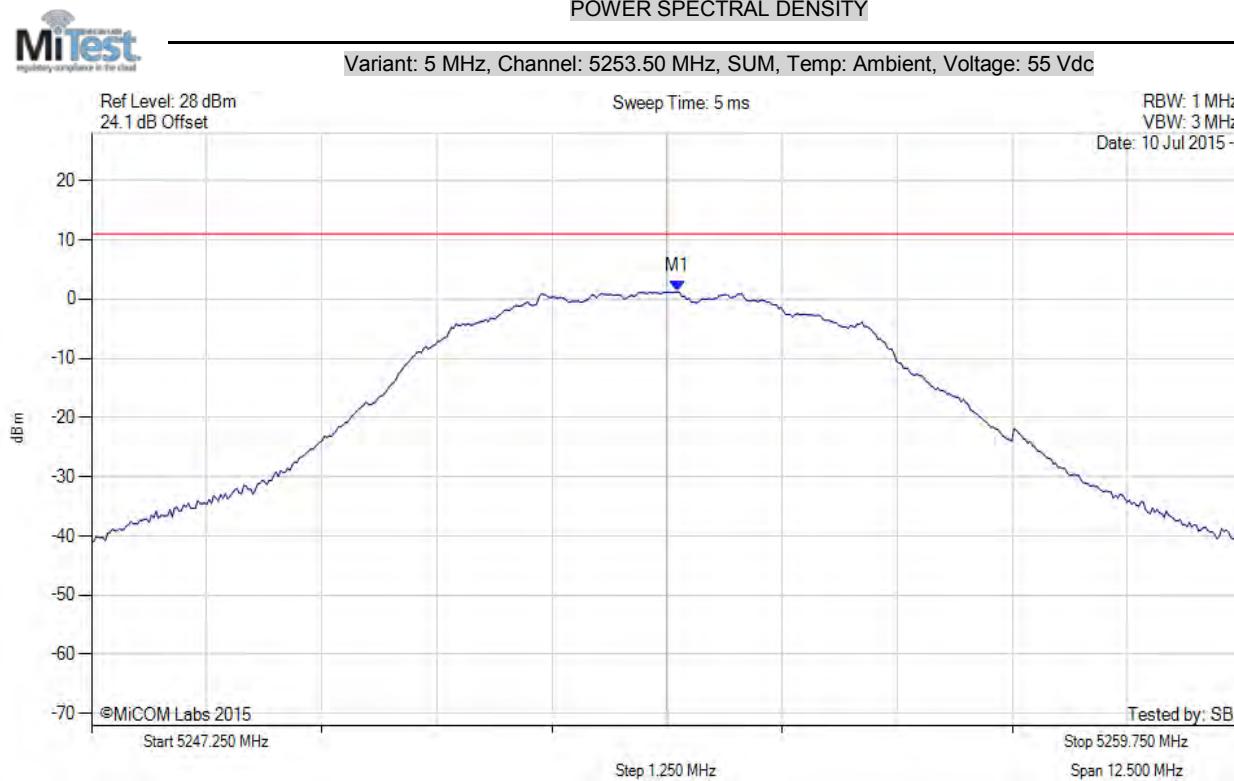
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5254.100 MHz : 3.968 dBm M1 + DCCF : 5254.100 MHz : 4.416 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 11.0 dBm Margin: -6.6 dB |

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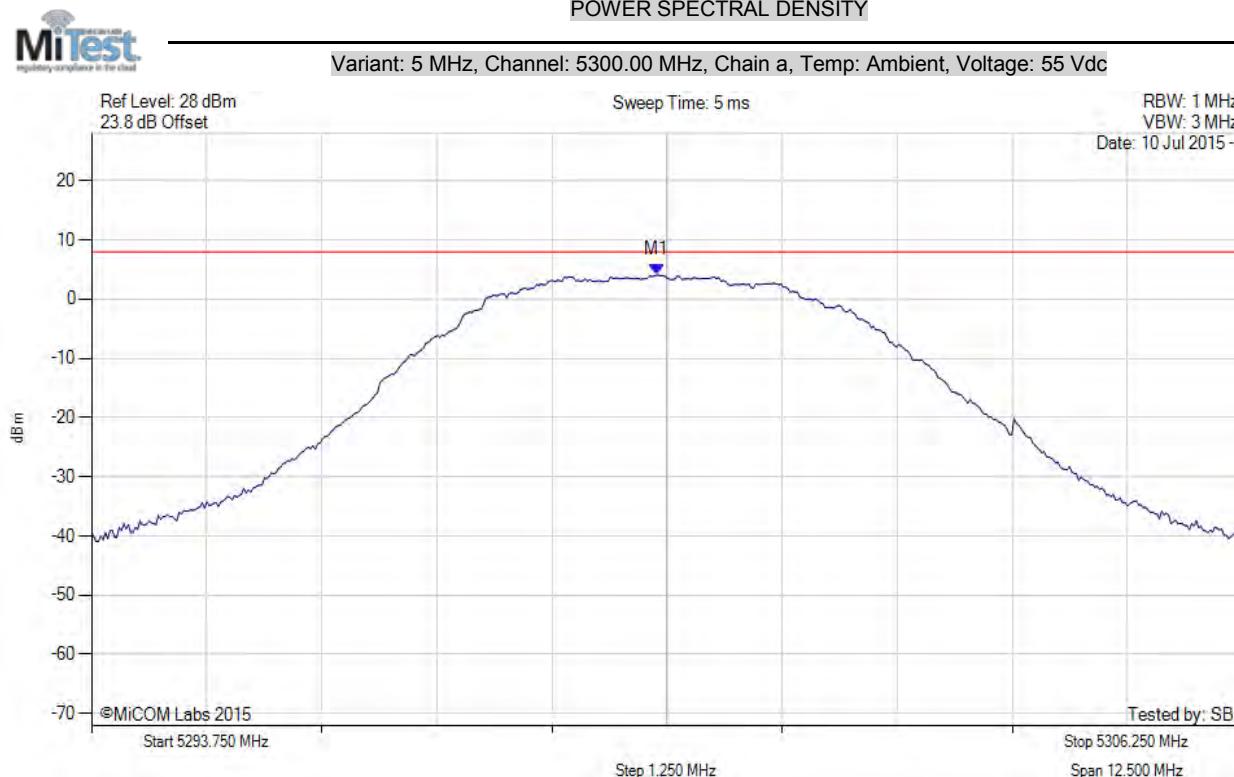
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5253.600 MHz : 1.240 dBm M1 + DCCF : 5253.600 MHz : 1.688 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 11.0 dBm Margin: -9.3 dB |

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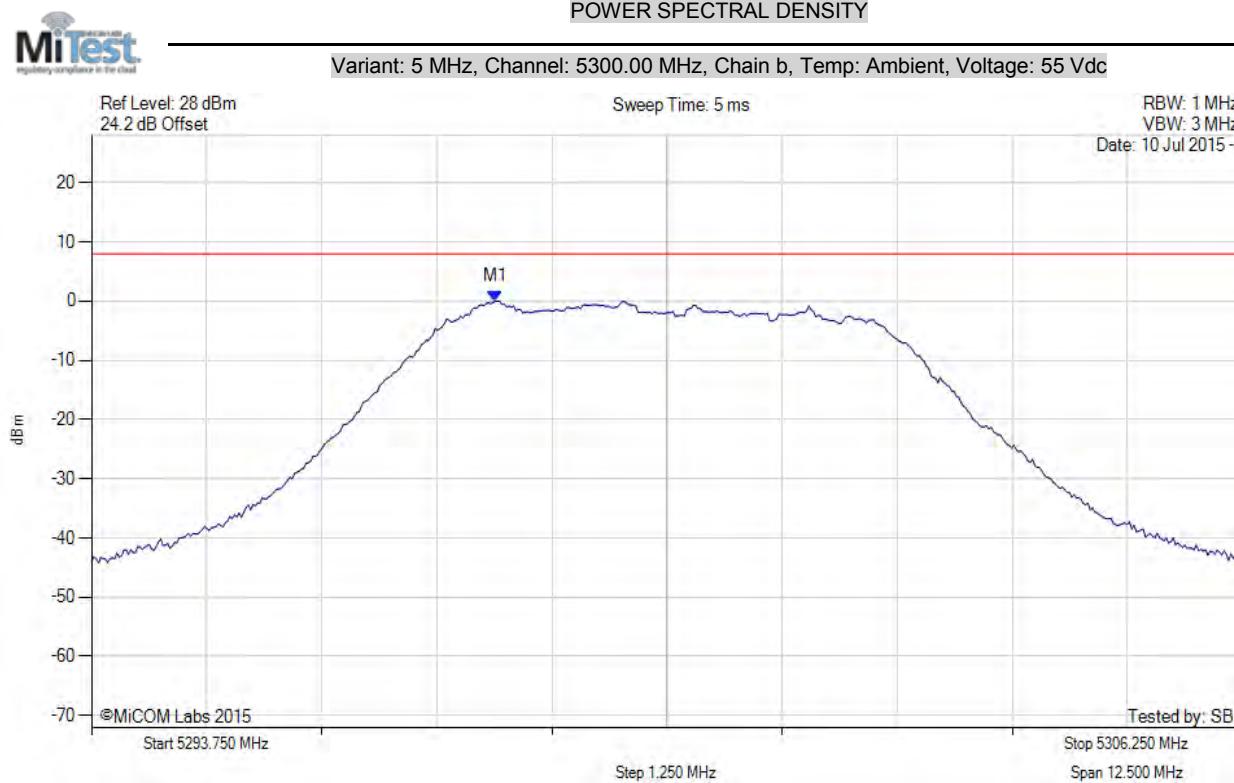
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5299.887 MHz : 4.072 dBm | Limit: ≤ 7.990 dBm |

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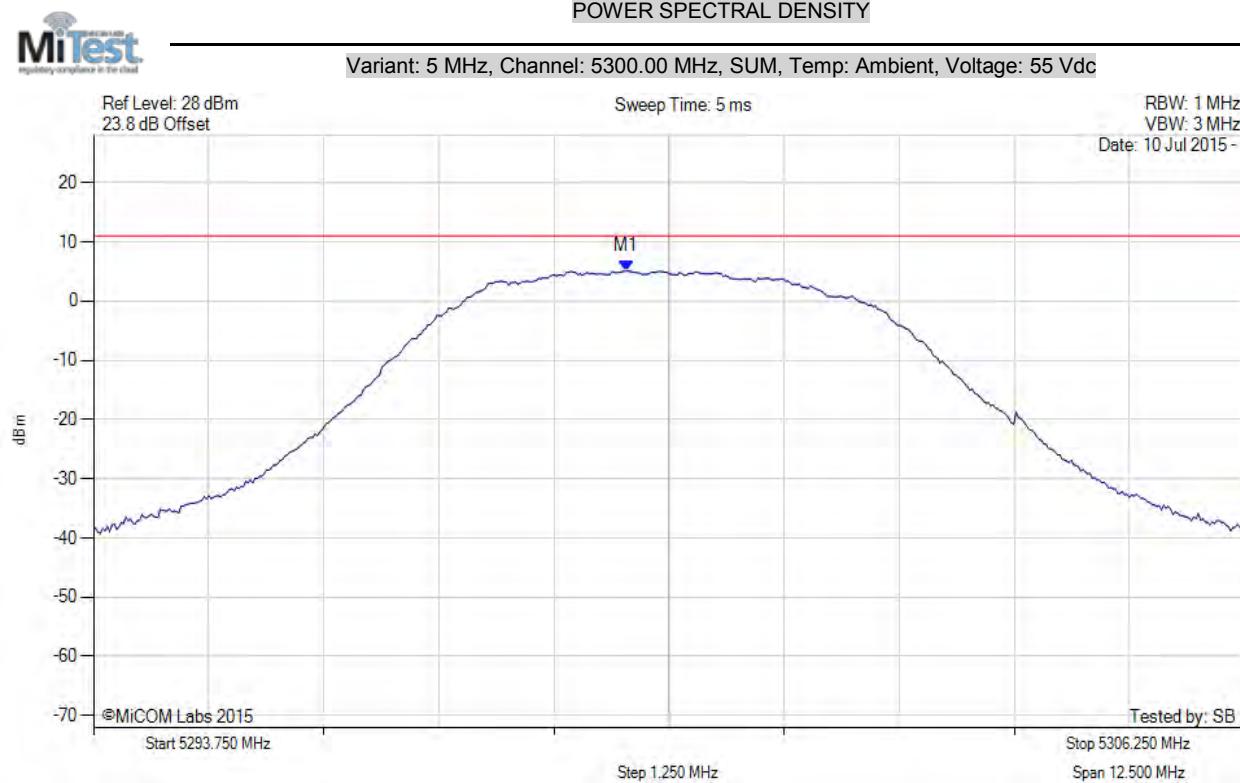
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5298.134 MHz : -0.020 dBm | Channel Frequency: 5300.00 MHz |

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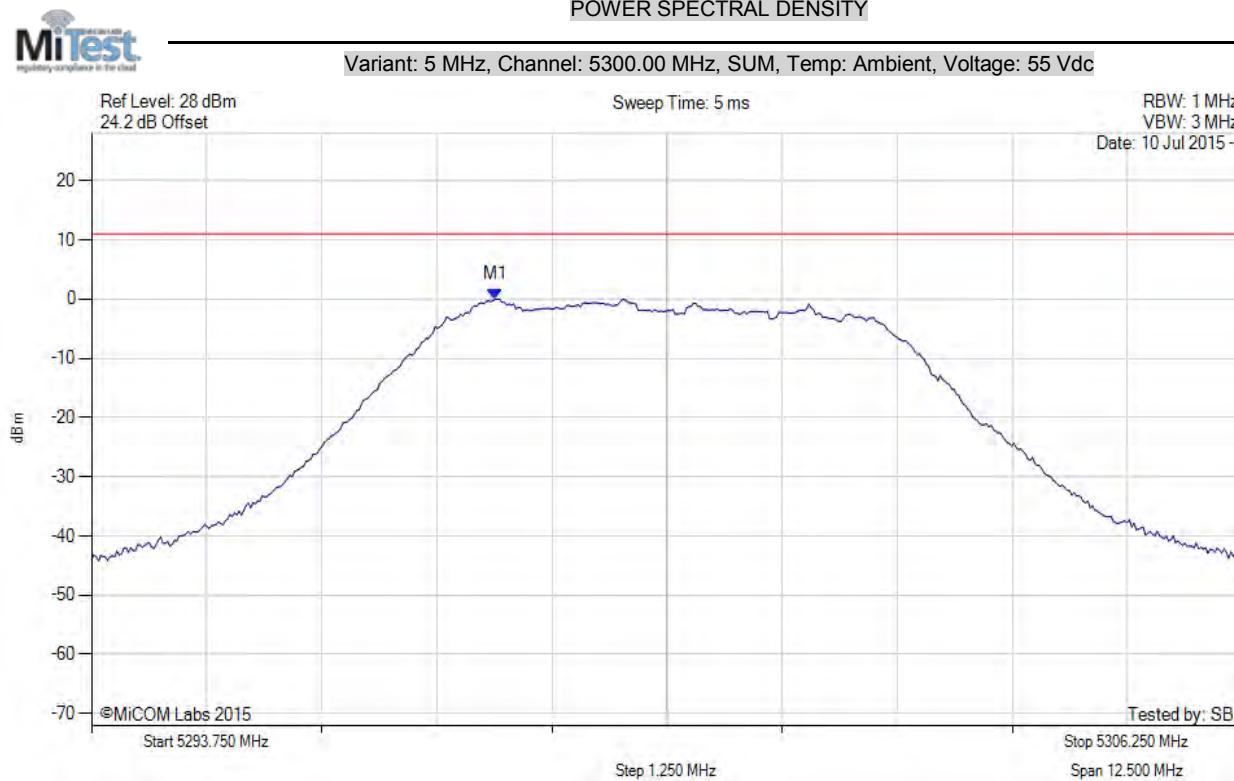
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5299.500 MHz : 5.076 dBm M1 + DCCF : 5299.500 MHz : 5.524 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 11.0 dBm Margin: -5.5 dB |

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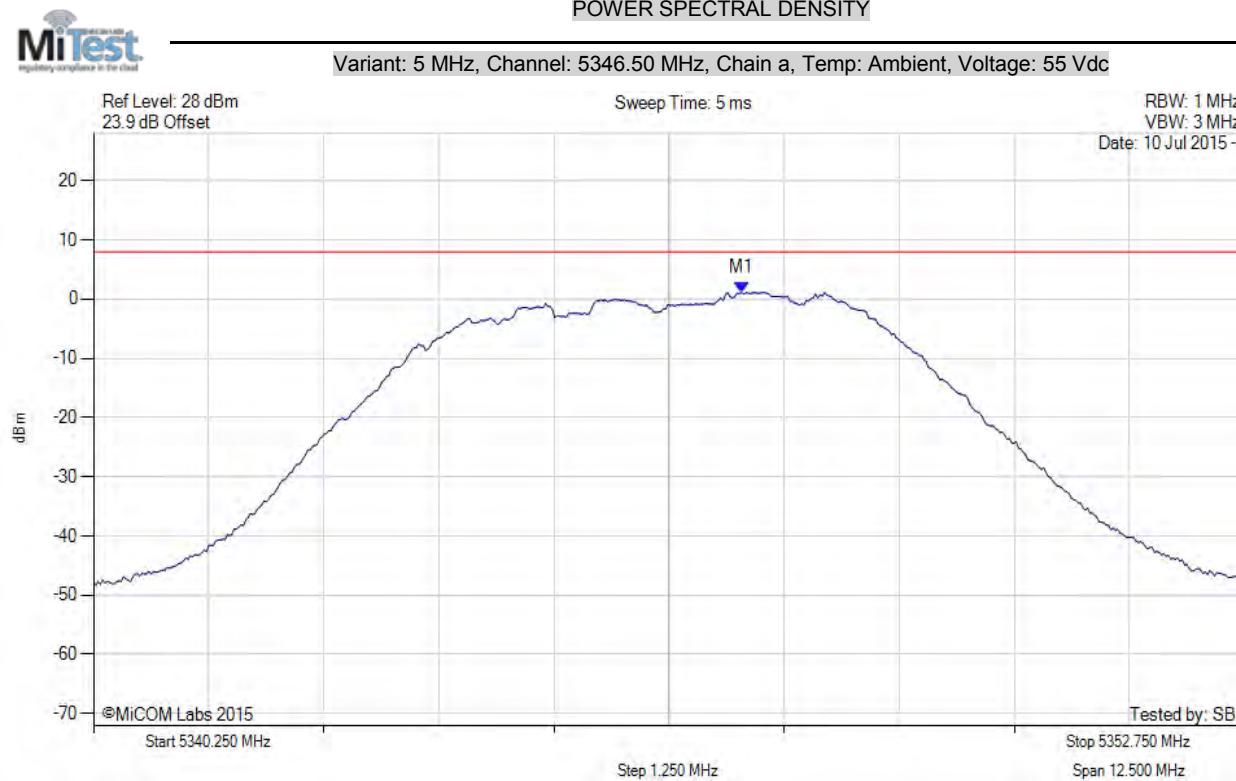
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5298.100 MHz : -0.020 dBm M1 + DCCF : 5298.100 MHz : 0.428 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 11.0 dBm Margin: -10.6 dB |

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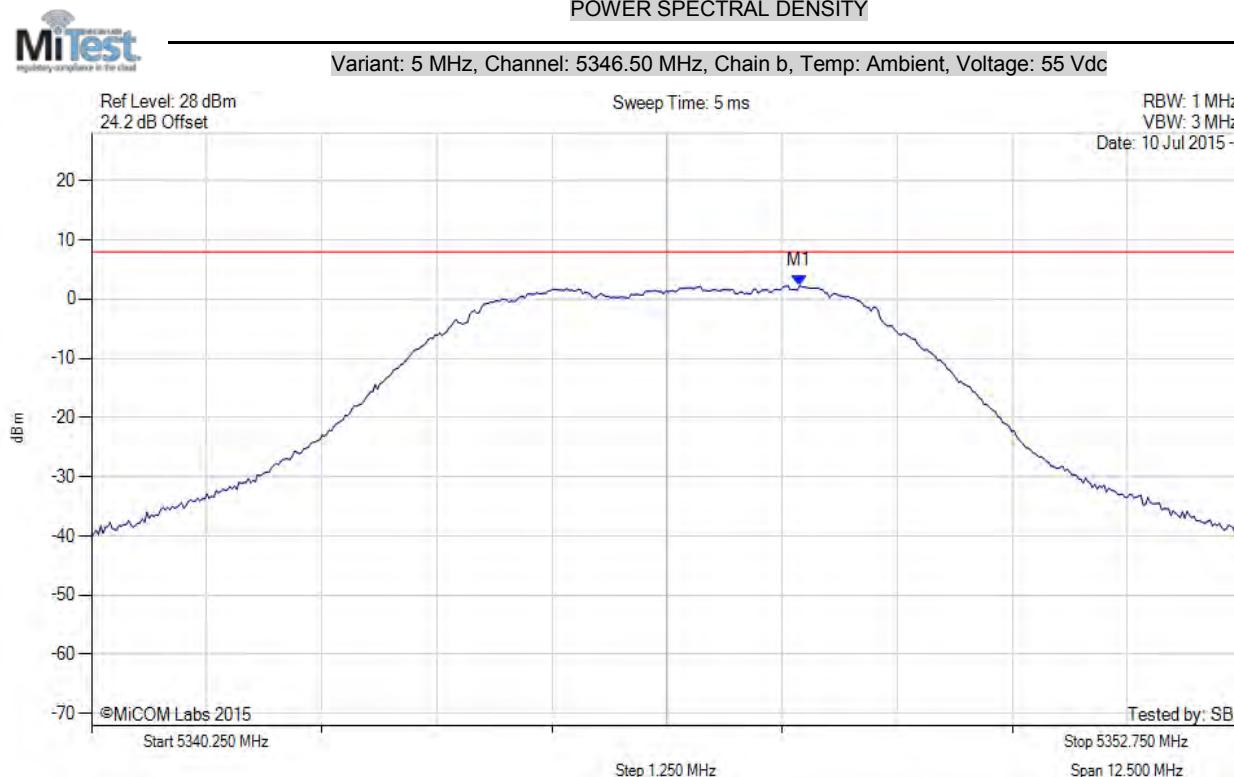
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5347.289 MHz : 1.104 dBm | Limit: ≤ 7.990 dBm |

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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5347.940 MHz : 2.279 dBm | Limit: ≤ 7.990 dBm |

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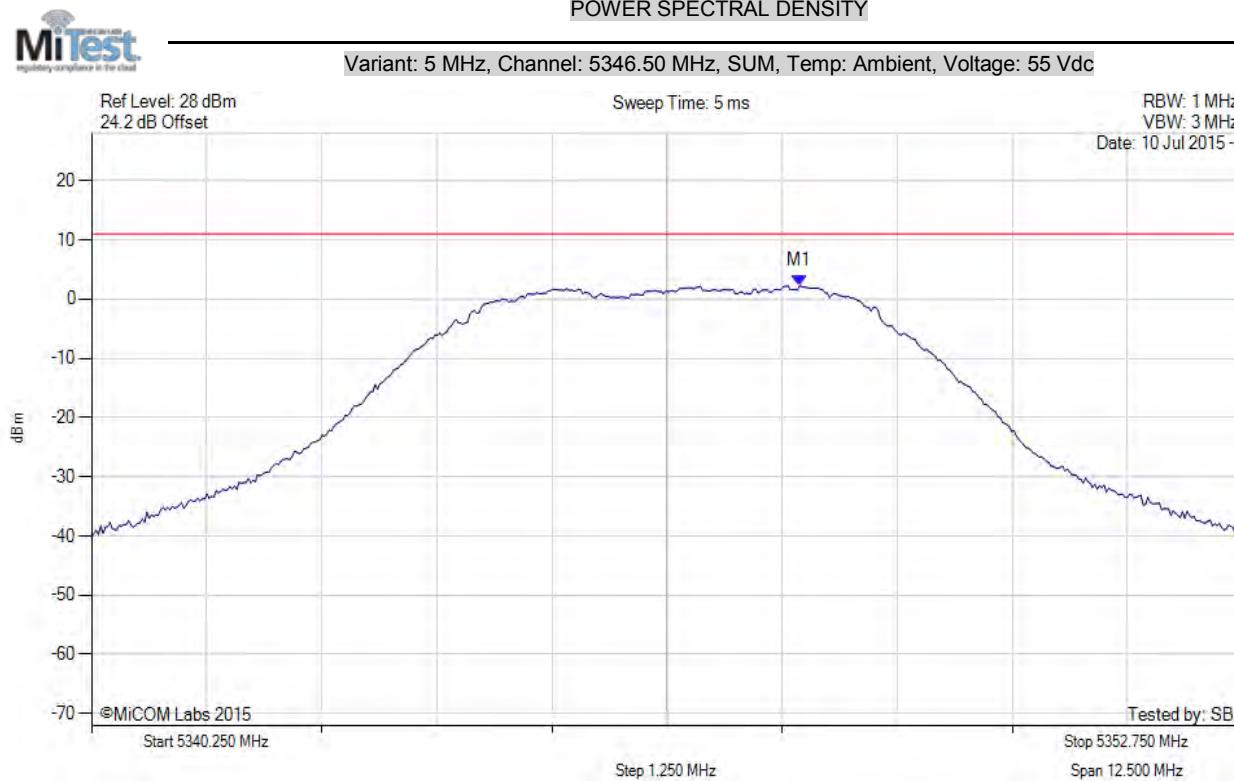
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5347.500 MHz : 4.384 dBm M1 + DCCF : 5347.500 MHz : 4.832 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 11.0 dBm Margin: -6.2 dB |

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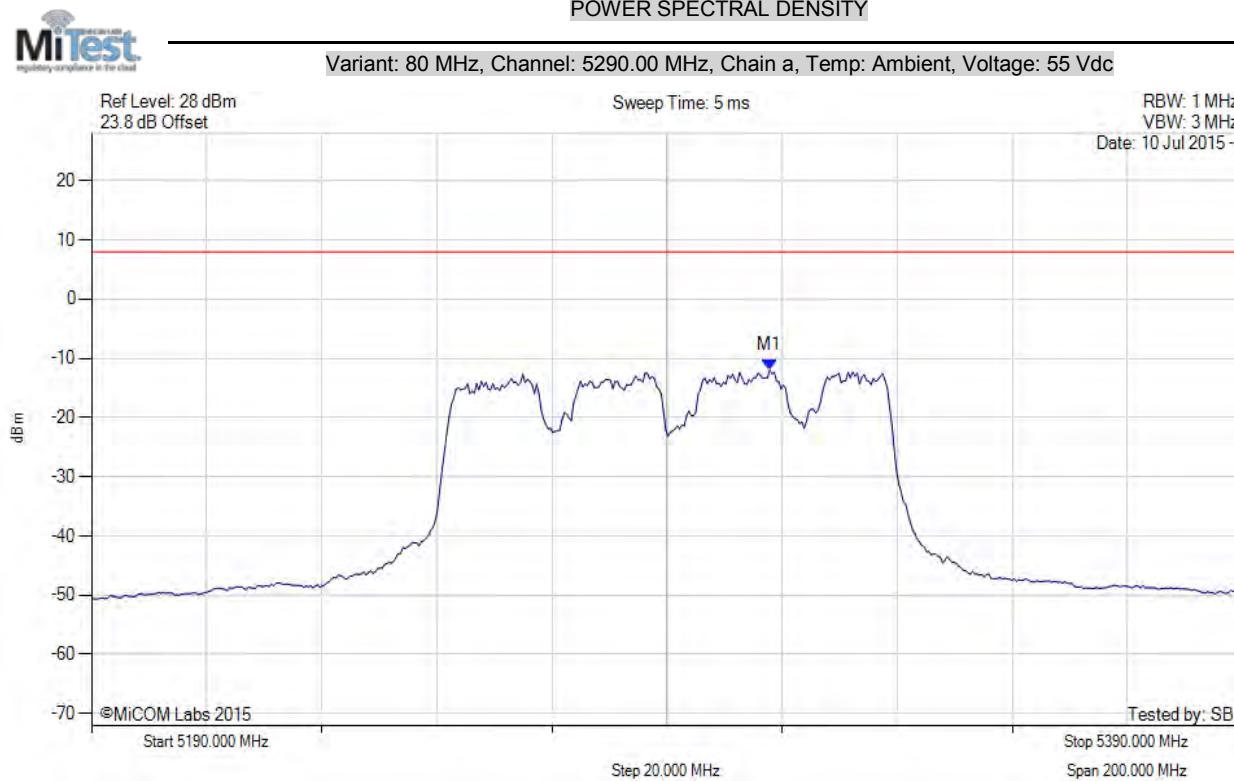
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5347.900 MHz : 2.279 dBm M1 + DCCF : 5347.900 MHz : 2.727 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 11.0 dBm Margin: -8.3 dB |

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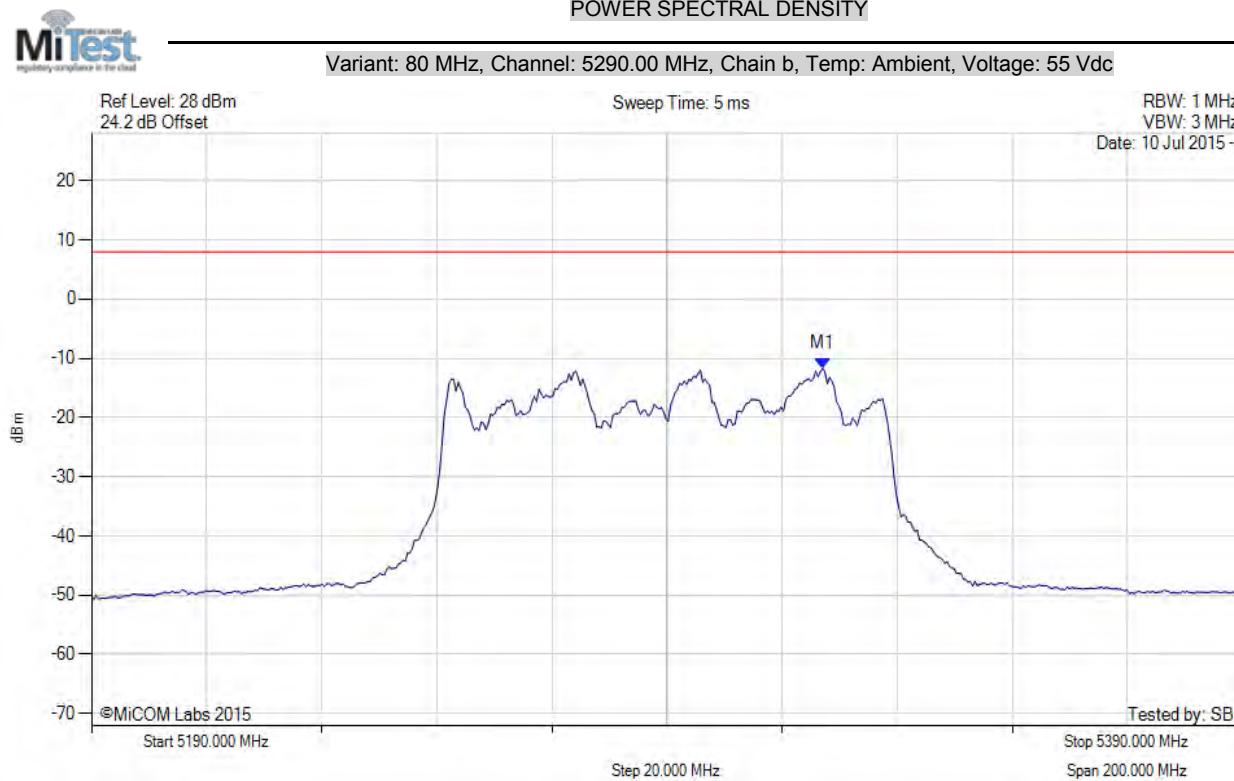
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5307.836 MHz : -12.002 dBm | Limit: ≤ 7.990 dBm |

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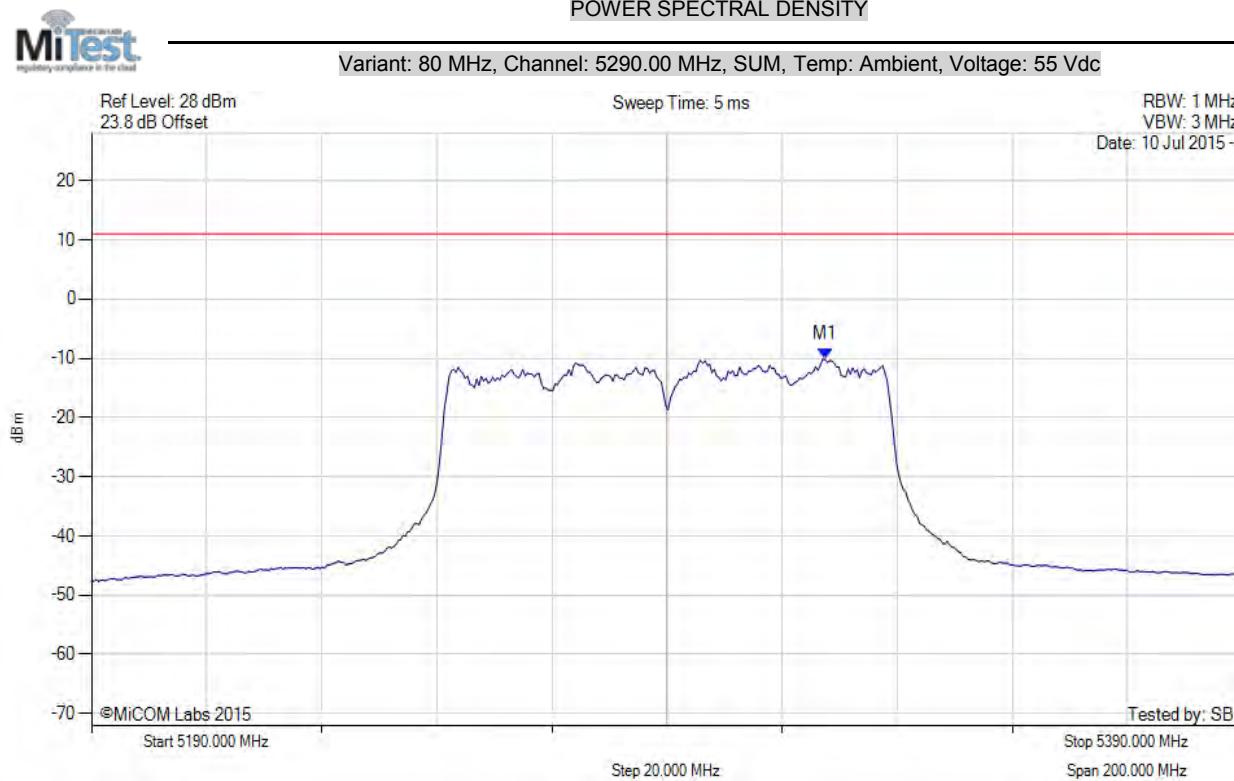
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5317.054 MHz : -11.672 dBm | Limit: ≤ 7.990 dBm |

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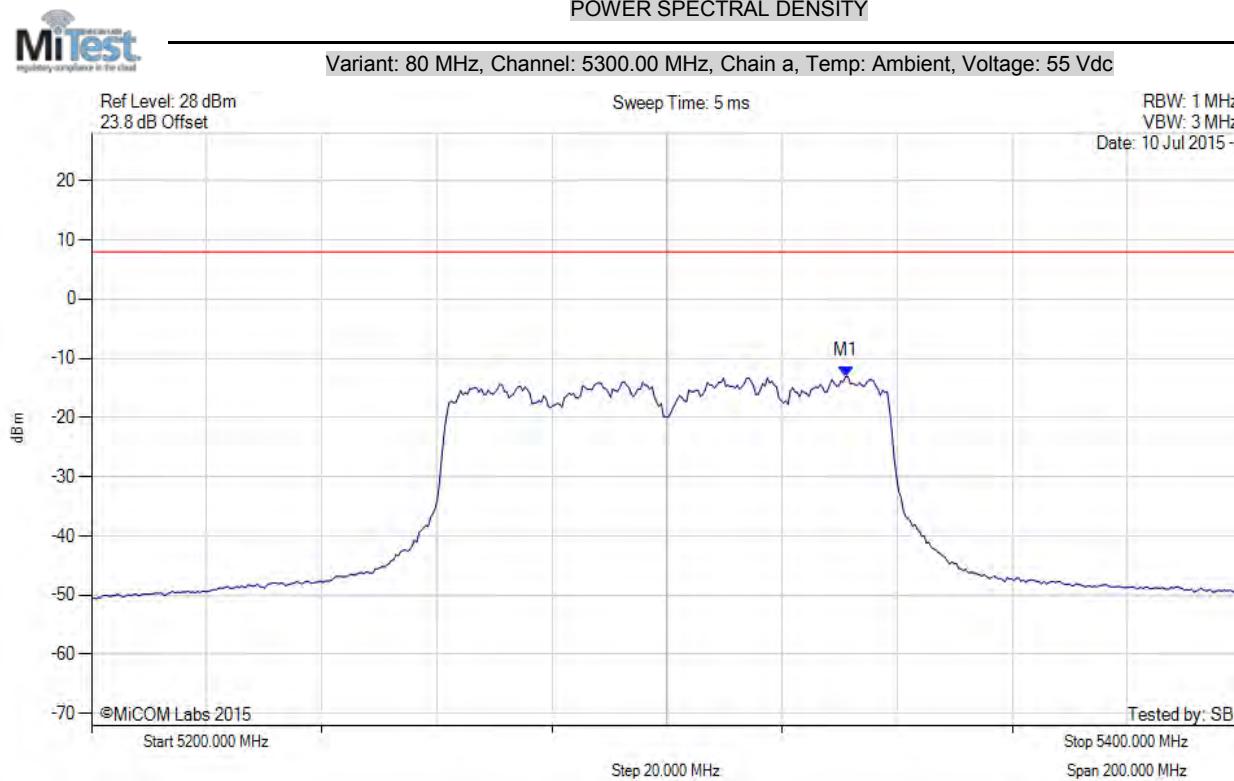
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5317.500 MHz : -10.156 dBm M1 + DCCF : 5317.500 MHz : -8.717 dBm Duty Cycle Correction Factor : +1.43 dB | Limit: ≤ 11.0 dBm Margin: -19.7 dB |

[back to matrix](#)

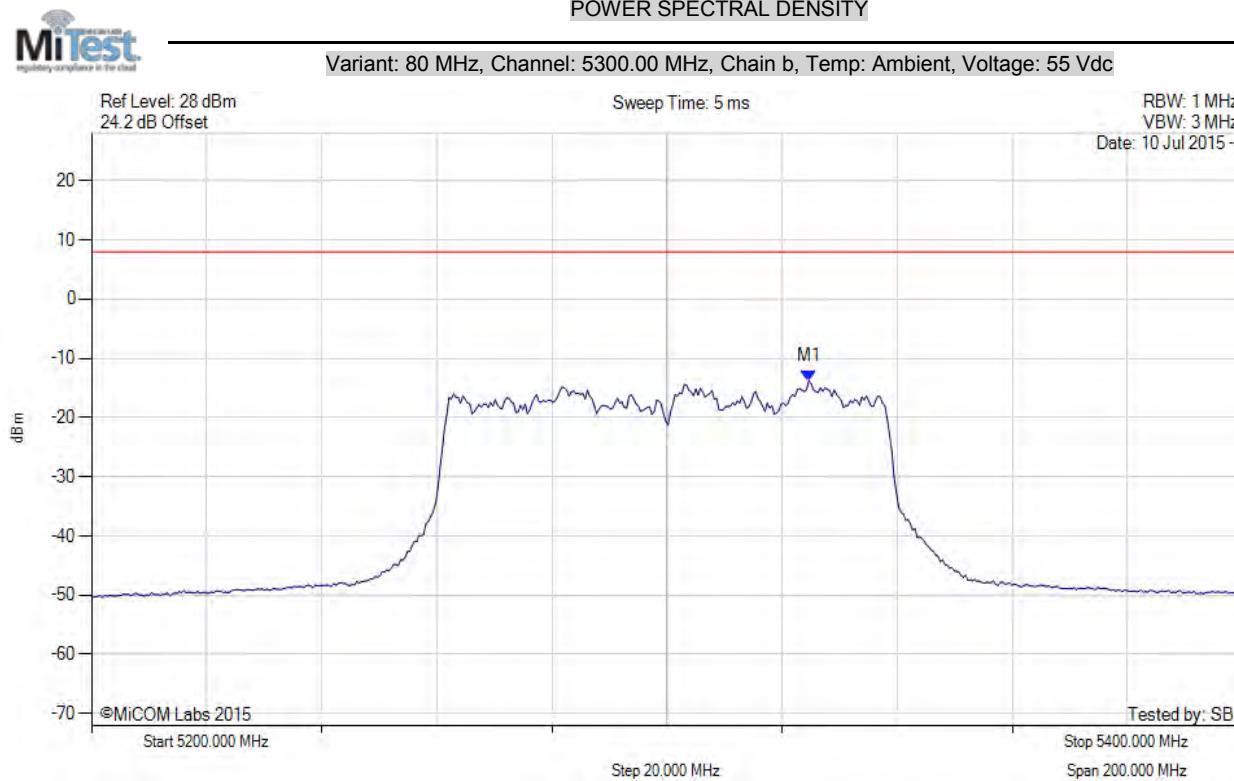
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5331.062 MHz : -13.052 dBm | Limit: ≤ 7.990 dBm |

[back to matrix](#)

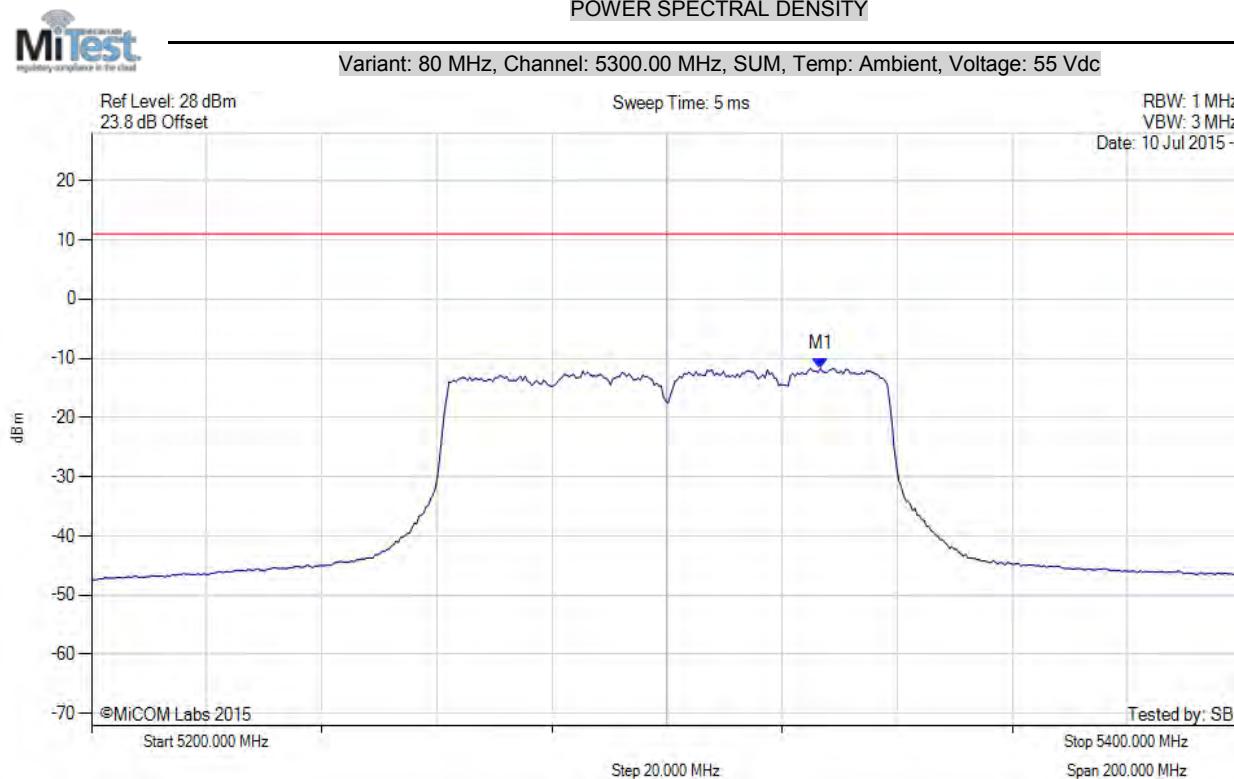
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5324.649 MHz : -13.790 dBm | Channel Frequency: 5300.00 MHz |

[back to matrix](#)

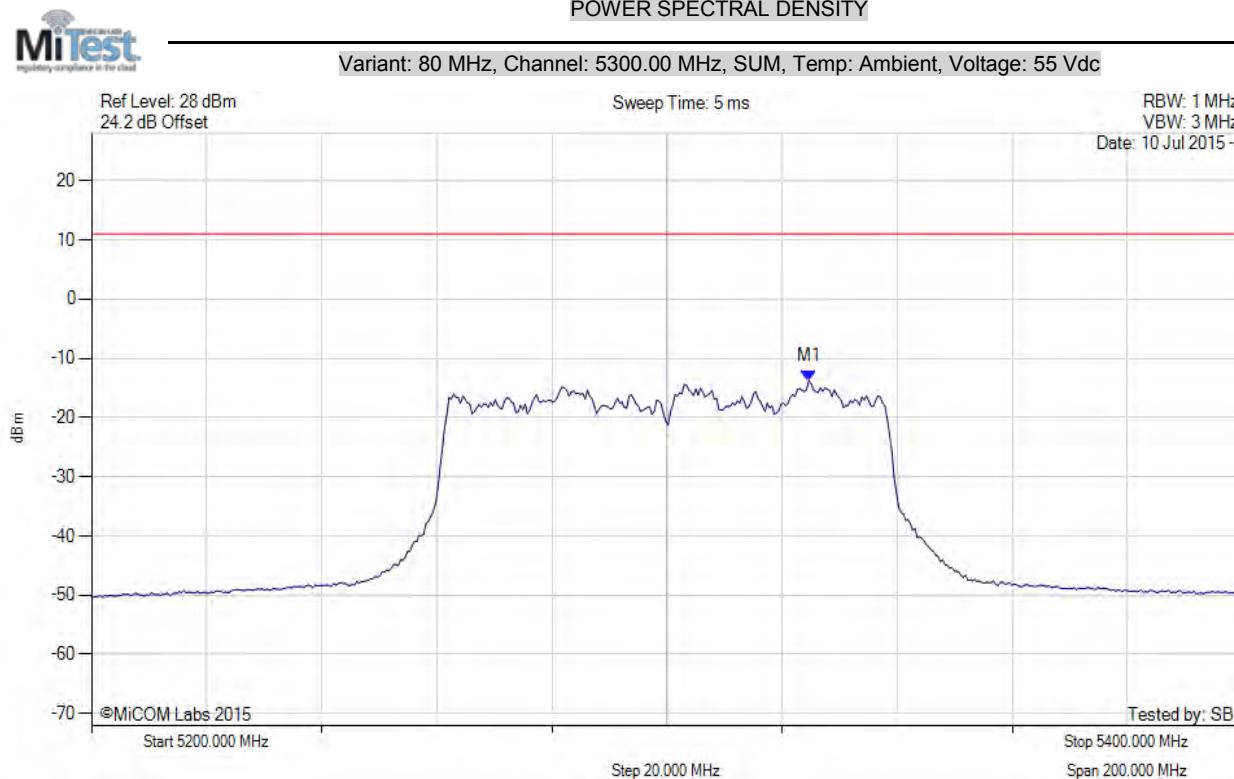
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5326.700 MHz : -11.707 dBm M1 + DCCF : 5326.700 MHz : -10.268 dBm Duty Cycle Correction Factor : +1.43 dB | Limit: ≤ 11.0 dBm Margin: -21.3 dB |

[back to matrix](#)

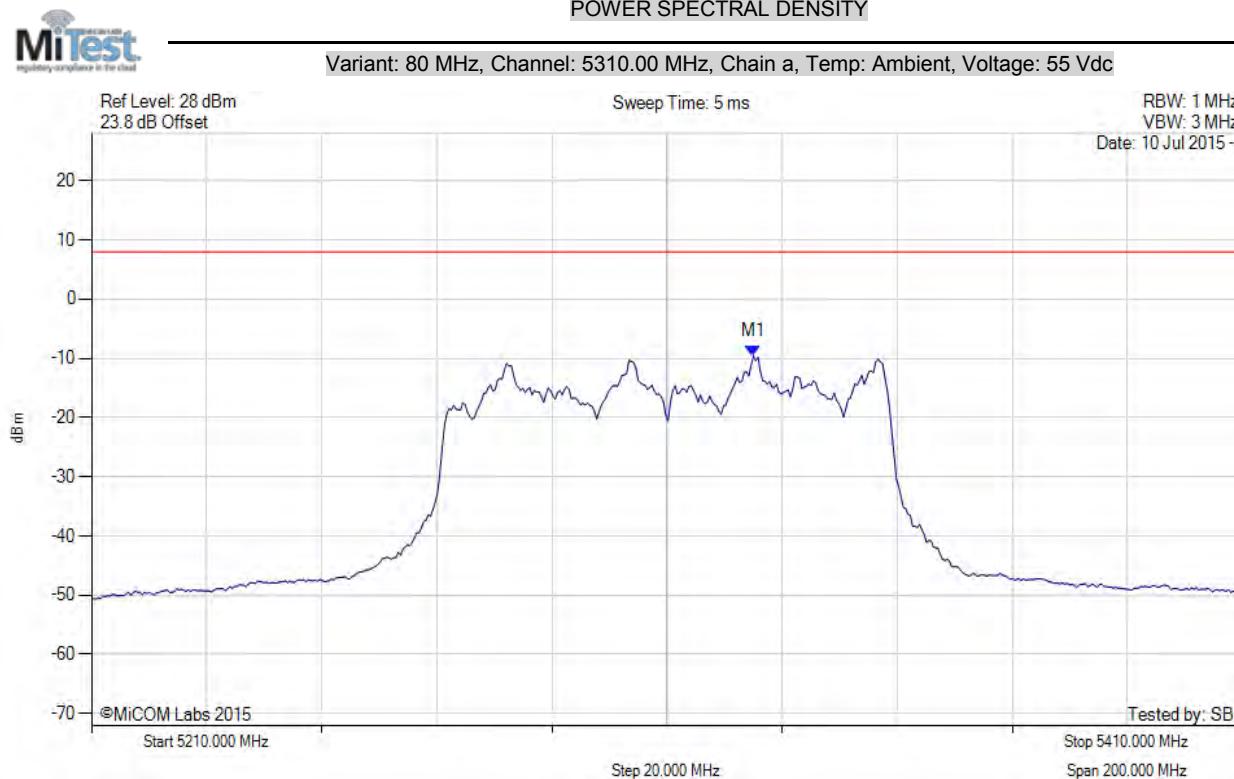
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5324.600 MHz : -13.790 dBm M1 + DCCF : 5324.600 MHz : -12.351 dBm Duty Cycle Correction Factor : +1.43 dB | Limit: ≤ 11.0 dBm Margin: -23.4 dB |

[back to matrix](#)

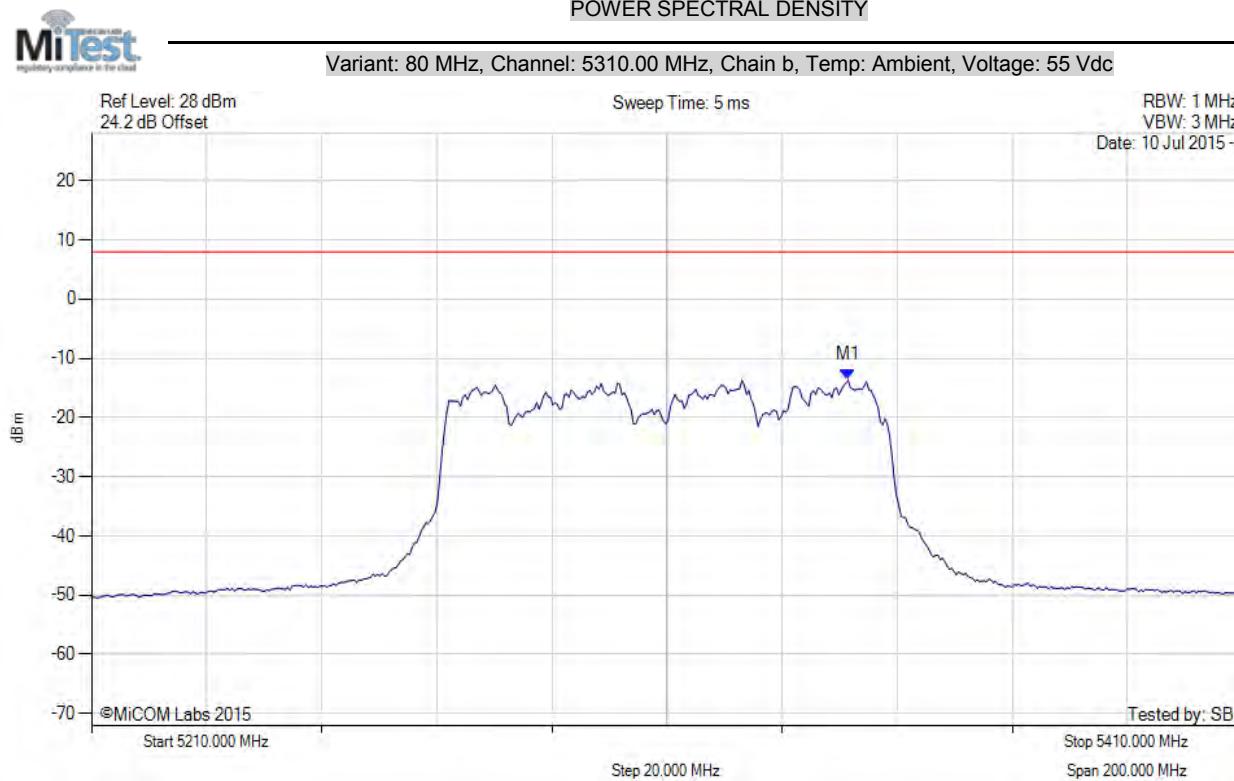
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5325.030 MHz : -9.608 dBm | Limit: ≤ 7.990 dBm |

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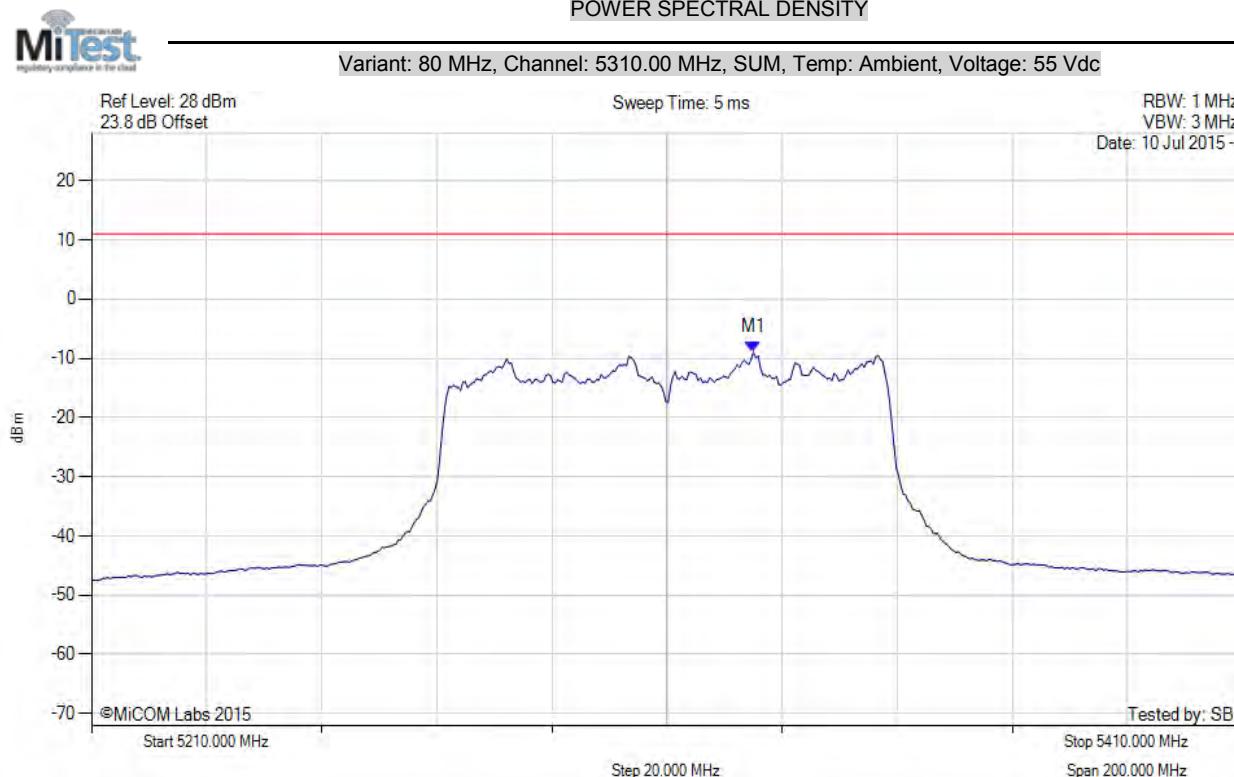
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5341.463 MHz : -13.661 dBm | Limit: ≤ 7.990 dBm |

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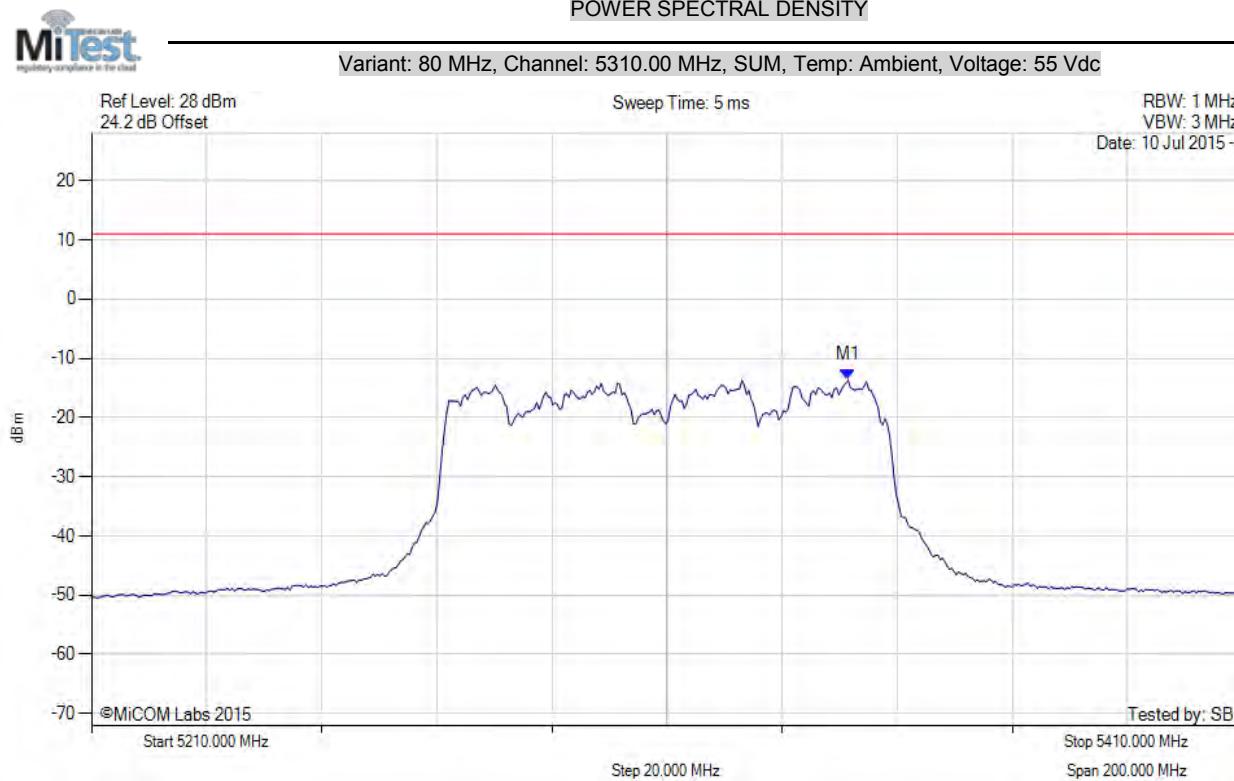
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5325.000 MHz : -8.981 dBm M1 + DCCF : 5325.000 MHz : -7.542 dBm Duty Cycle Correction Factor : +1.43 dB | Limit: ≤ 11.0 dBm Margin: -18.6 dB |

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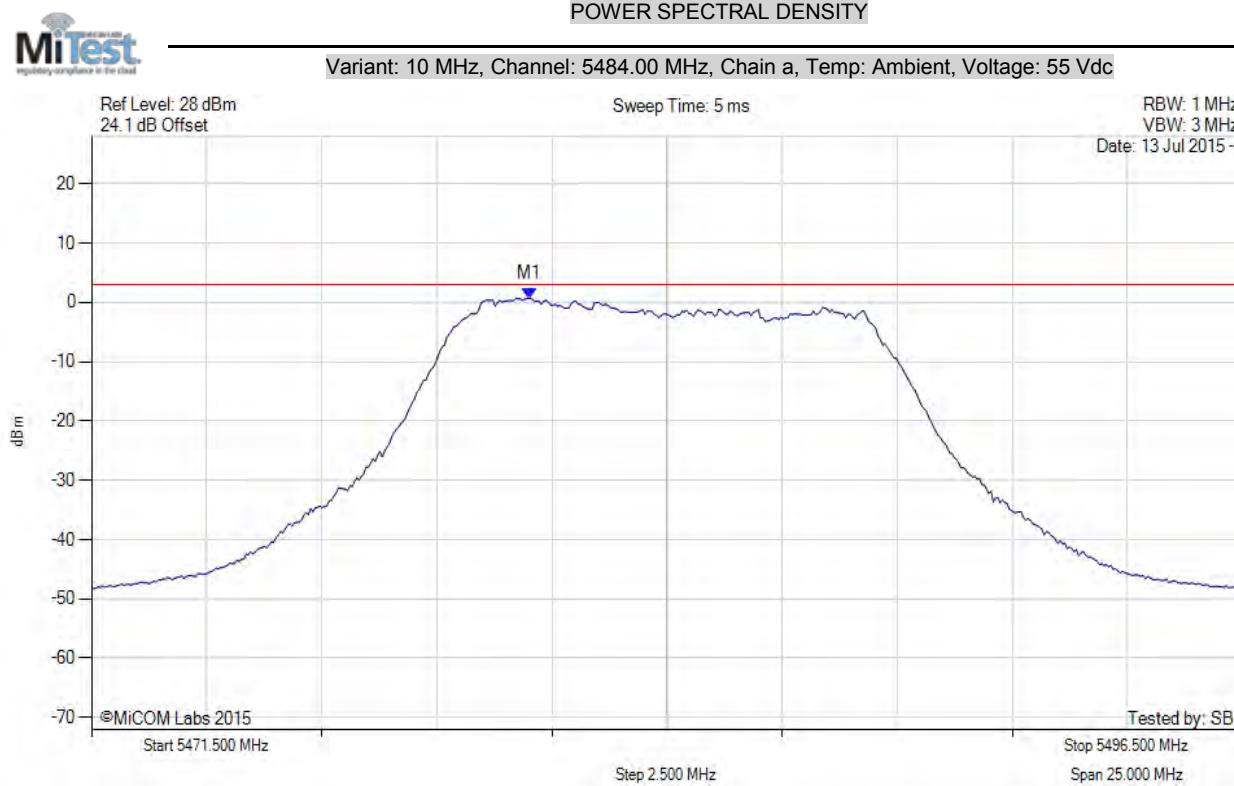
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|---------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5341.500 MHz : -13.661 dBm M1 + DCCF : 5341.500 MHz : -12.222 dBm Duty Cycle Correction Factor : +1.43 dB | Limit: ≤ 11.0 dBm Margin: -23.2 dB |

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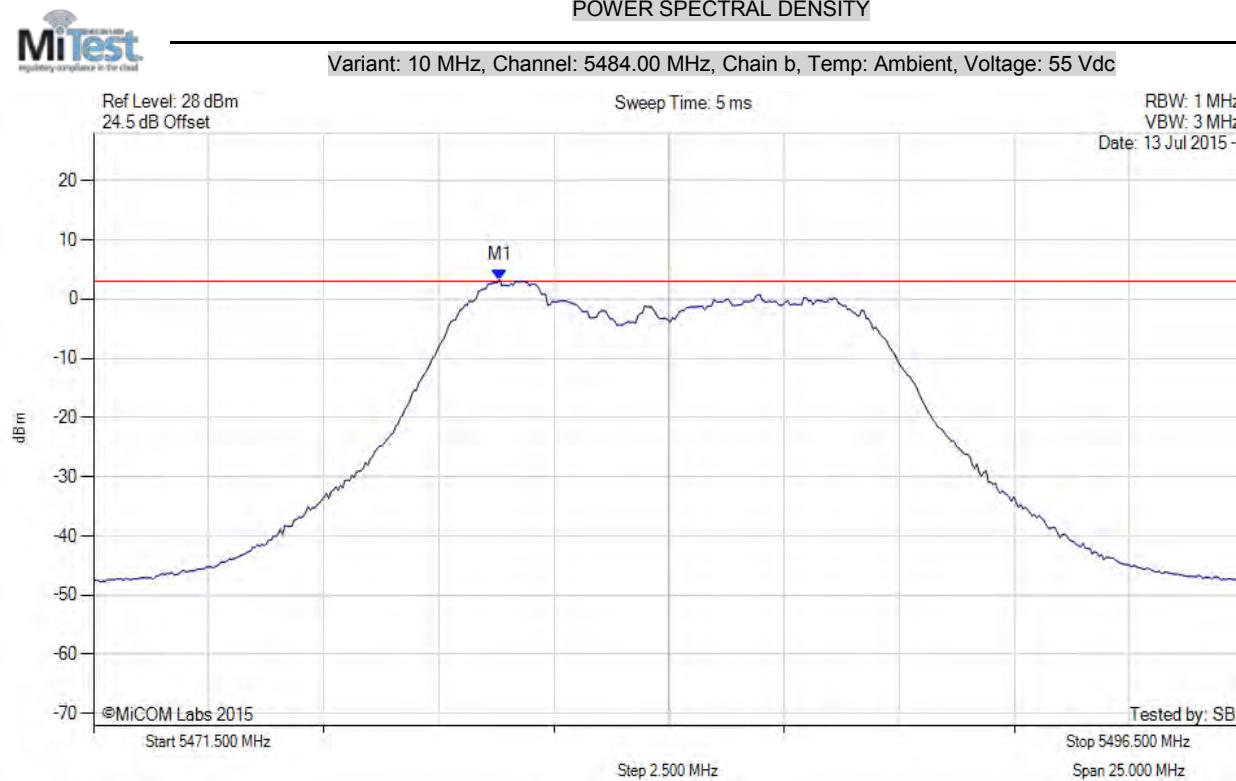
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5481.019 MHz : 0.674 dBm | Limit: ≤ 2.990 dBm |

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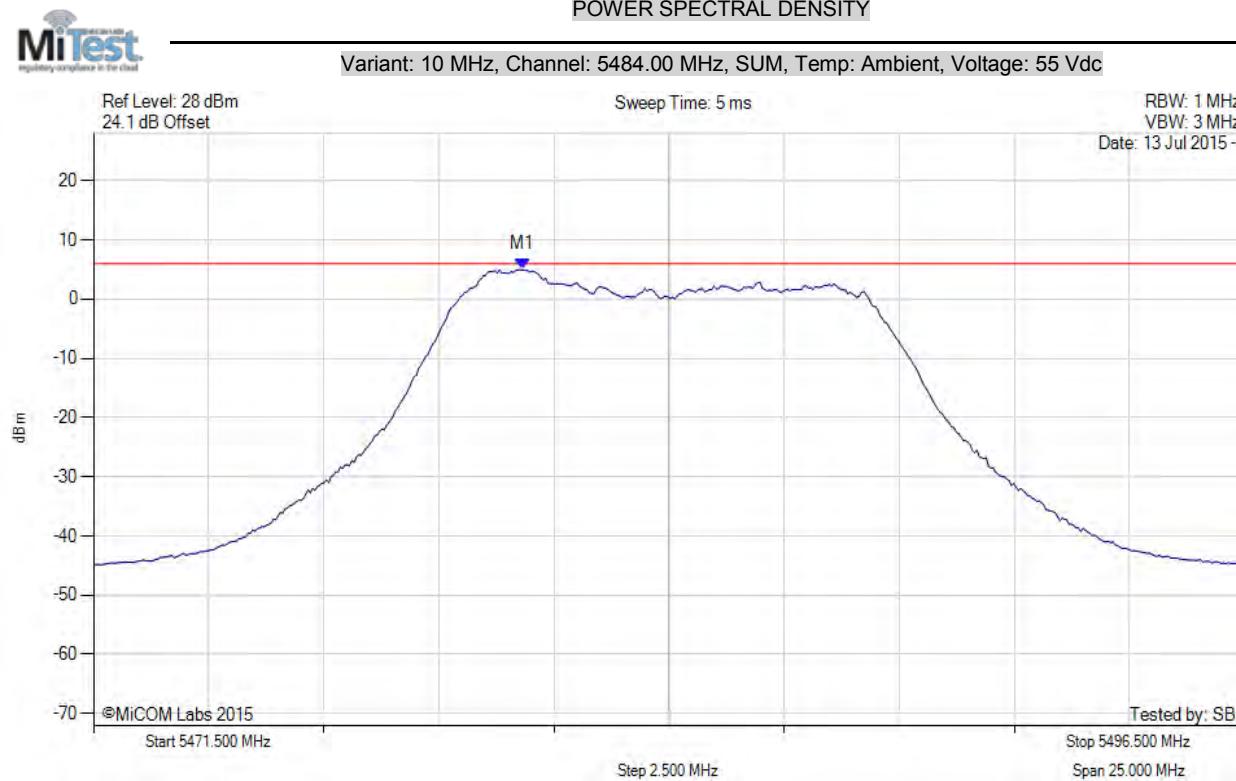
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5480.318 MHz : 3.287 dBm | Limit: ≤ 2.990 dBm |

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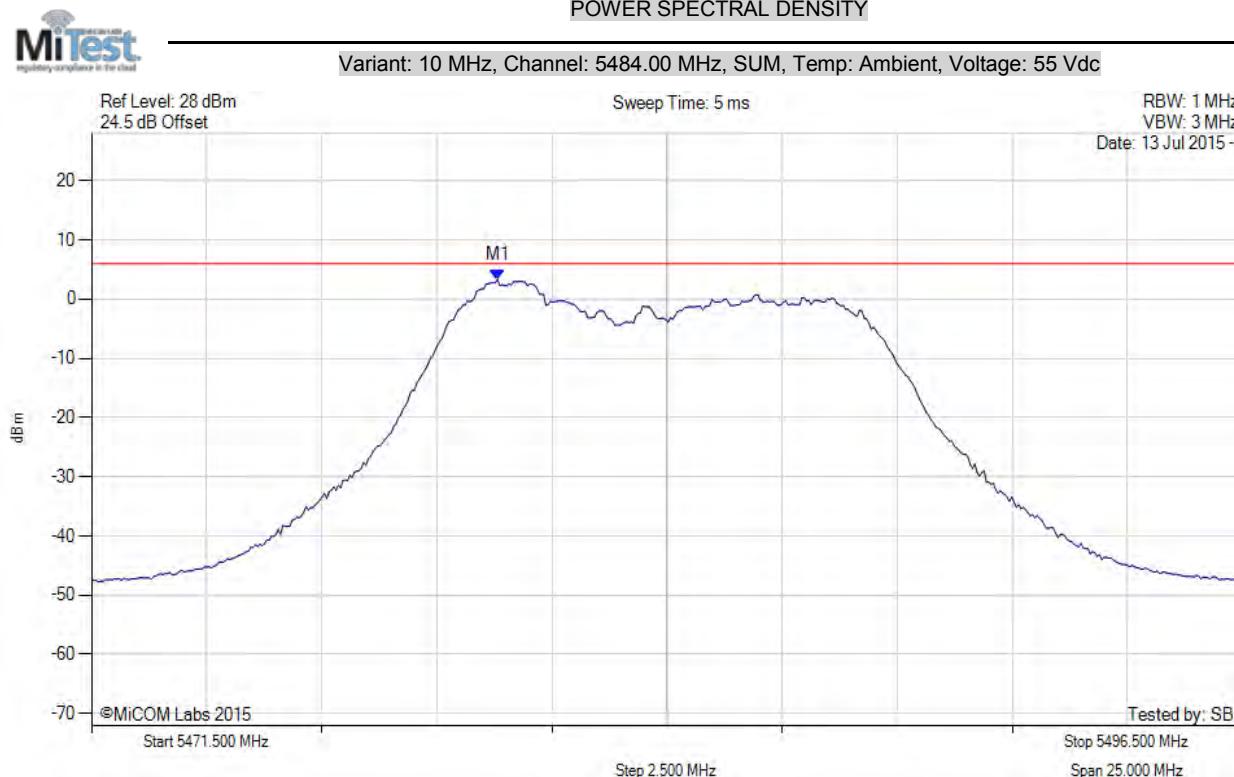
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5480.800 MHz : 4.971 dBm M1 + DCCF : 5480.800 MHz : 5.462 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 6.0 dBm Margin: -0.5 dB |

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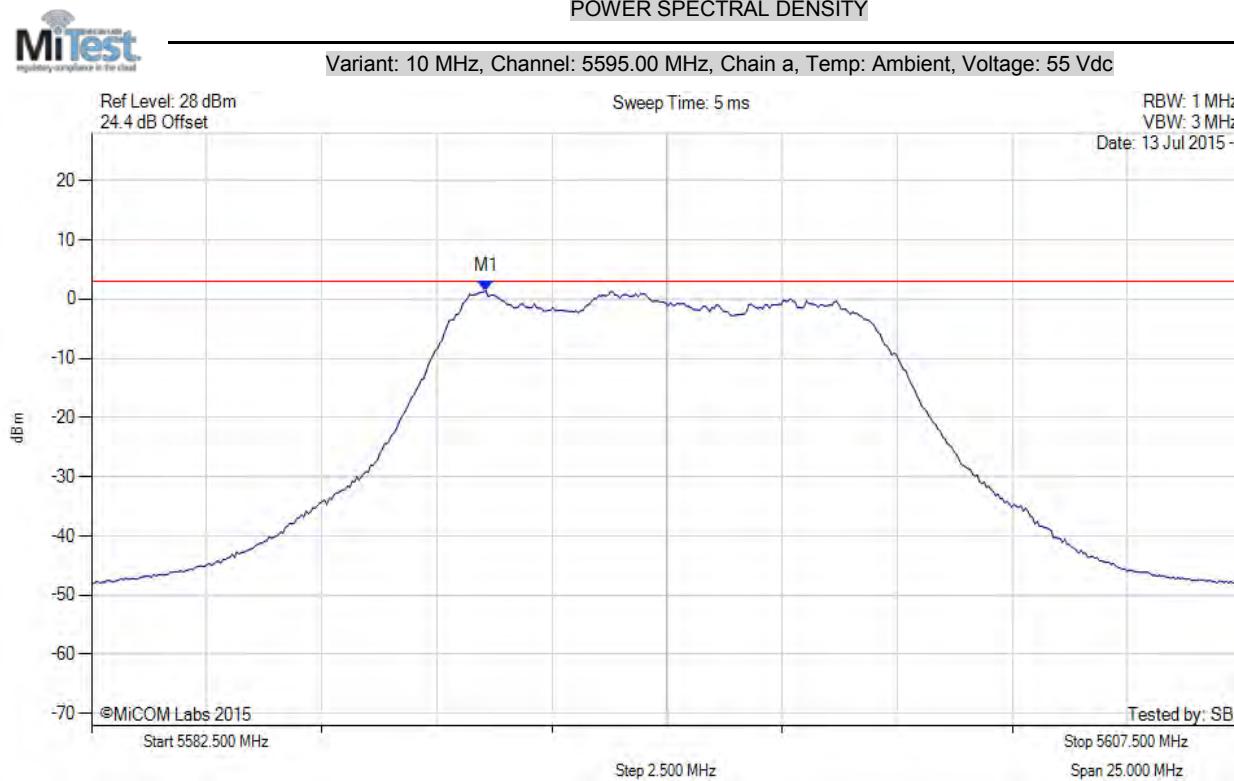
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5480.300 MHz : 3.287 dBm M1 + DCCF : 5480.300 MHz : 3.778 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 6.0 dBm Margin: -2.2 dB |

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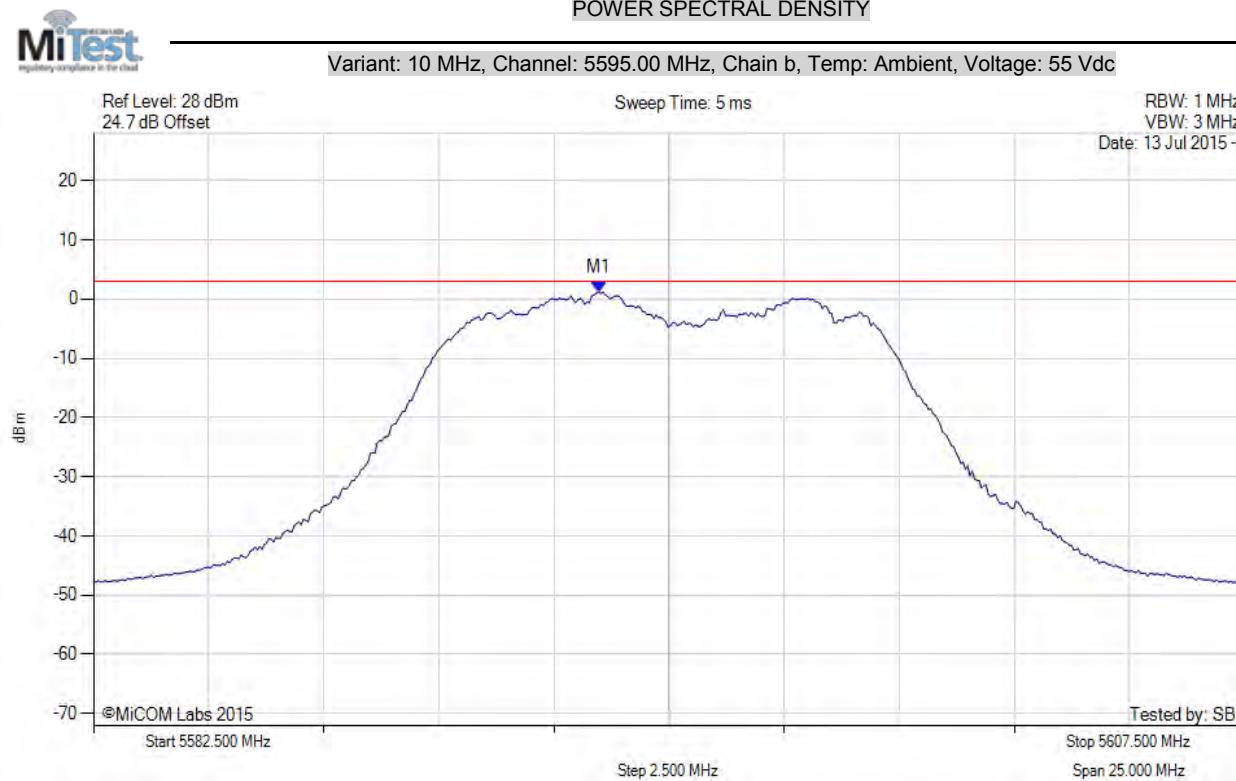
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5591.067 MHz : 1.382 dBm | Limit: ≤ 2.990 dBm |

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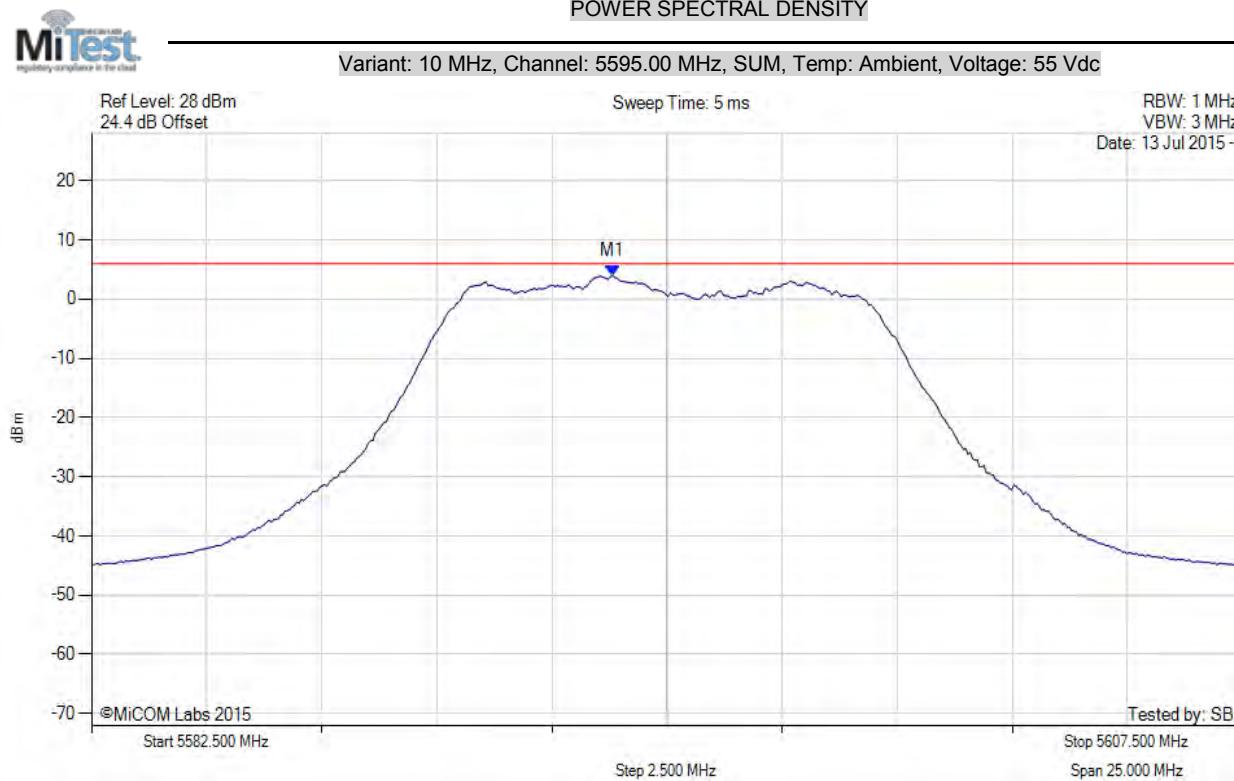
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5593.472 MHz : 1.144 dBm | Channel Frequency: 5595.00 MHz |

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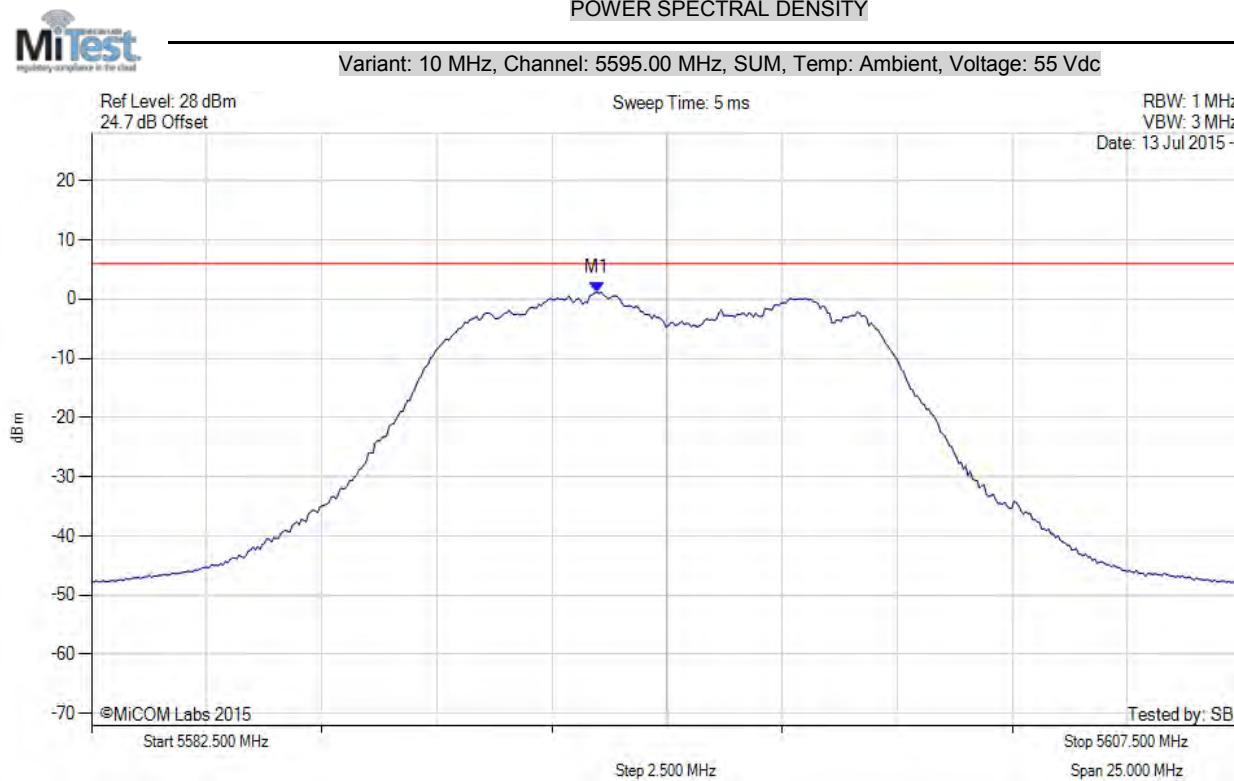
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5593.800 MHz : 3.931 dBm M1 + DCCF : 5593.800 MHz : 4.422 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 6.0 dBm Margin: -1.6 dB |

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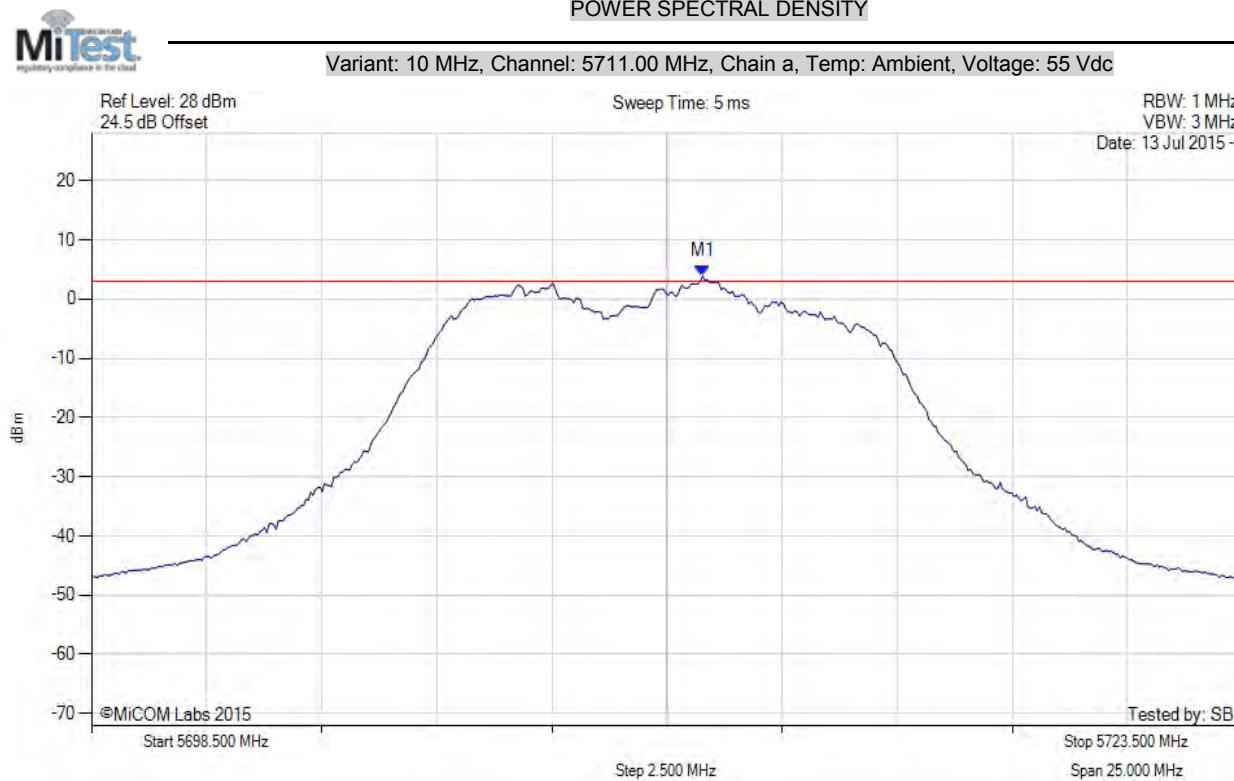
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5593.500 MHz : 1.144 dBm M1 + DCCF : 5593.500 MHz : 1.635 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 6.0 dBm Margin: -4.4 dB |

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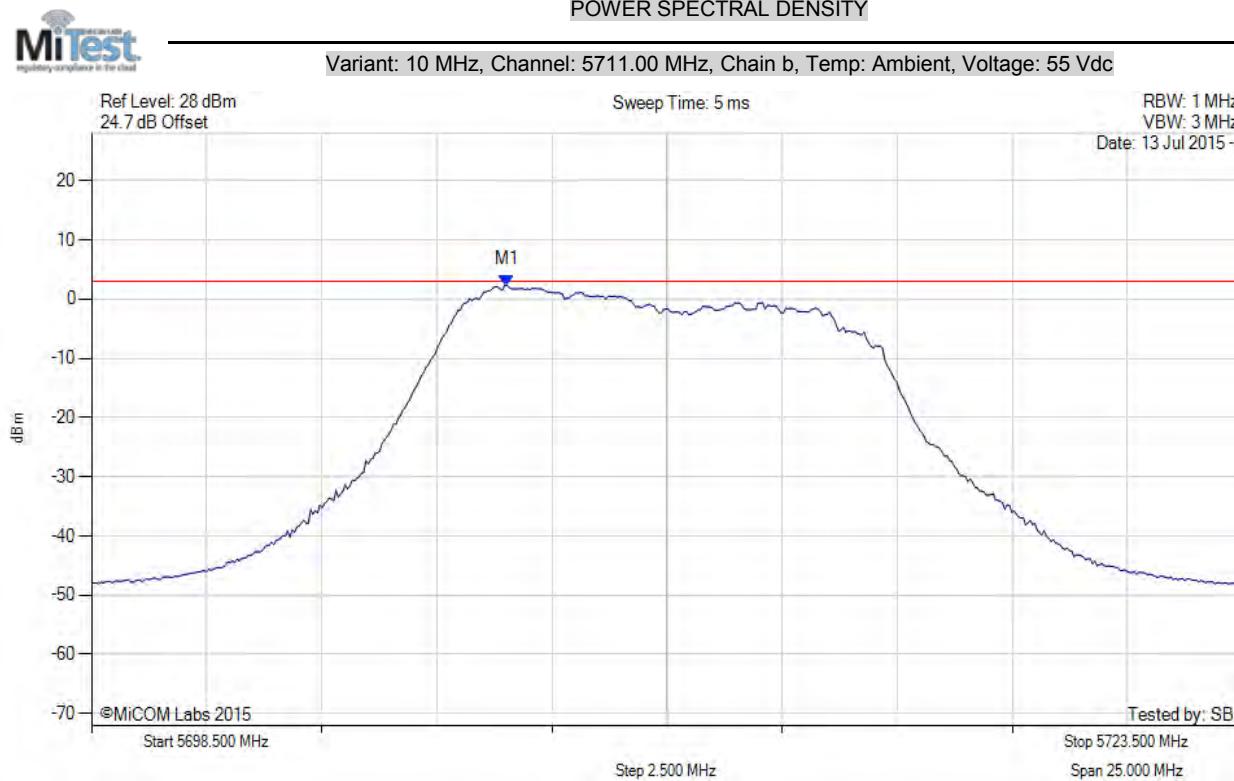
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5711.777 MHz : 3.830 dBm | Limit: ≤ 2.990 dBm |

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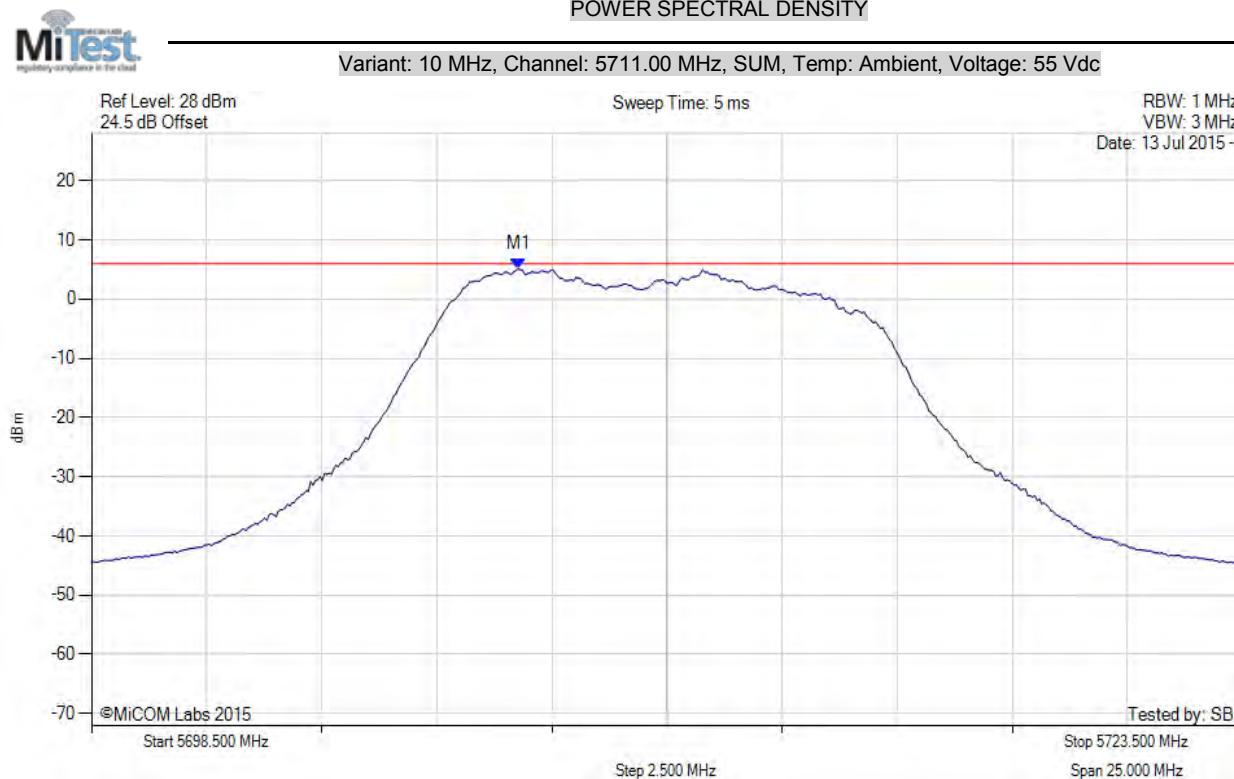
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5707.518 MHz : 2.369 dBm | Limit: ≤ 2.990 dBm |

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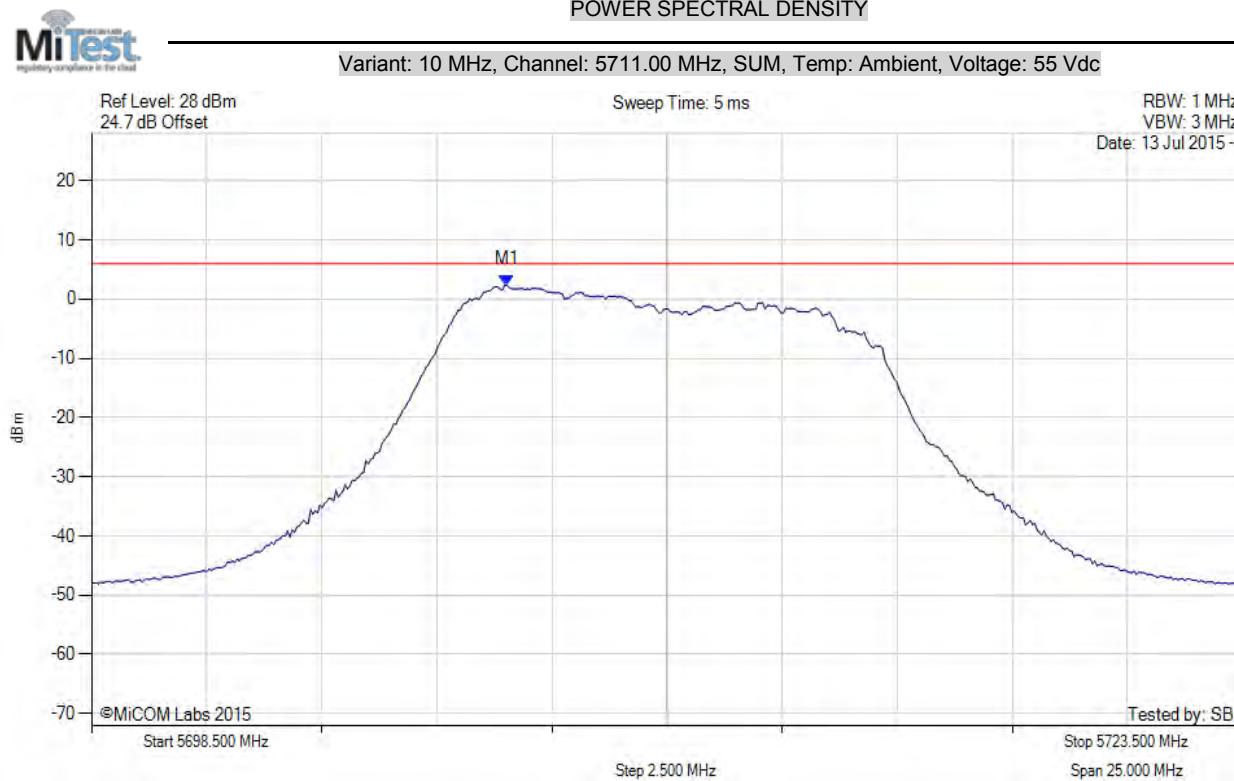
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5707.800 MHz : 5.079 dBm M1 + DCCF : 5707.800 MHz : 5.570 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 6.0 dBm Margin: -0.4 dB |

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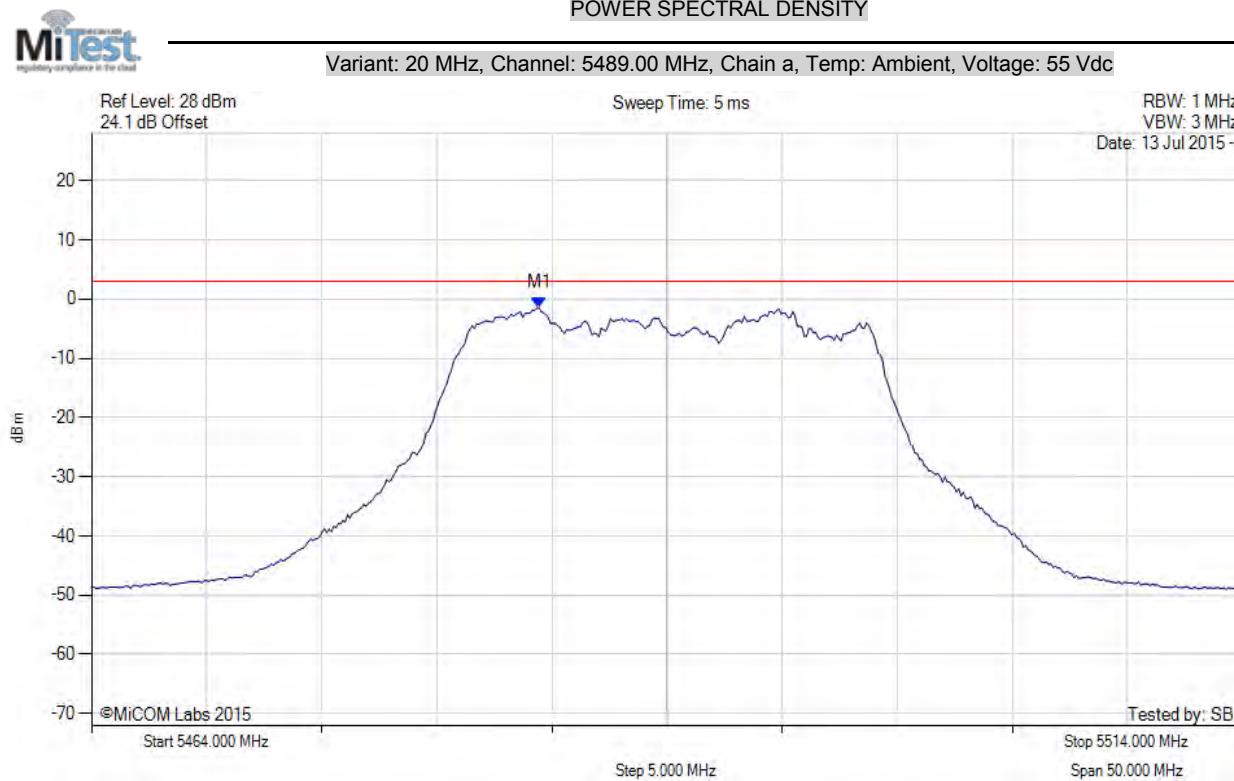
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5707.500 MHz : 2.369 dBm M1 + DCCF : 5707.500 MHz : 2.860 dBm Duty Cycle Correction Factor : +0.51 dB | Limit: ≤ 6.0 dBm Margin: -3.1 dB |

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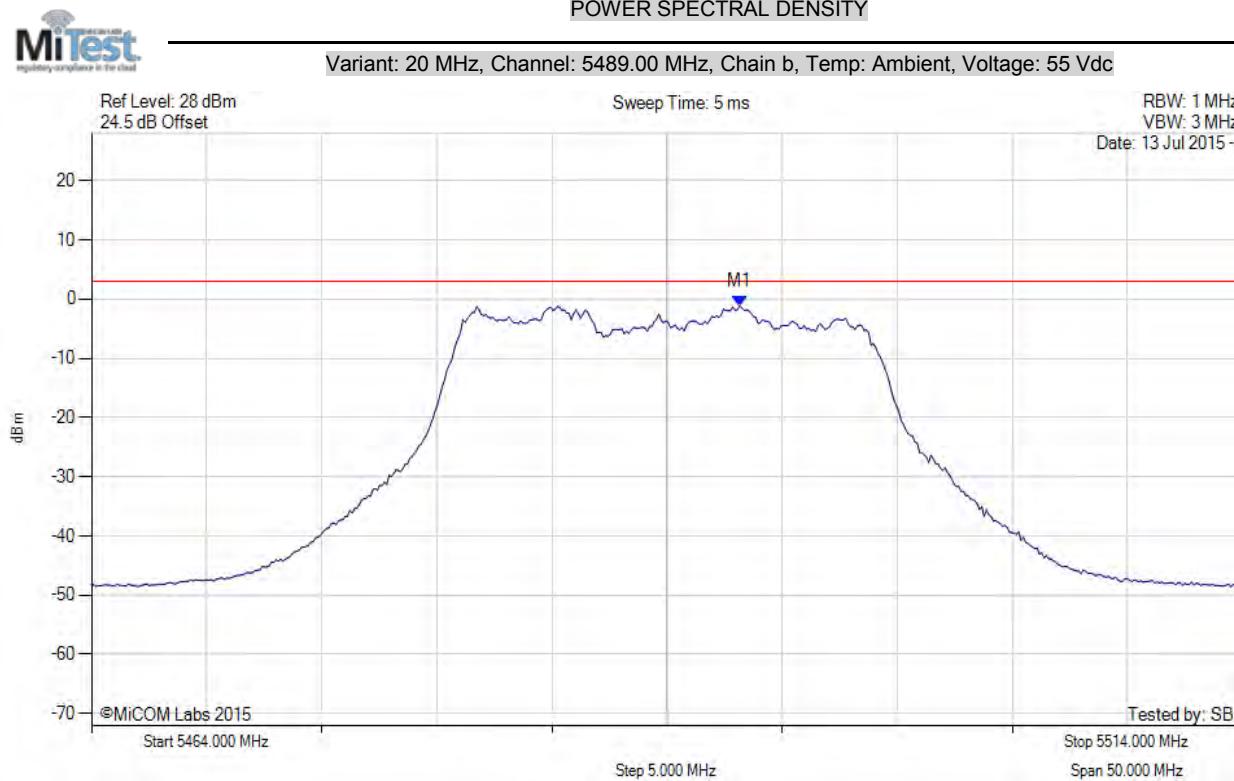
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5483.439 MHz : -1.504 dBm | Limit: ≤ 2.990 dBm |

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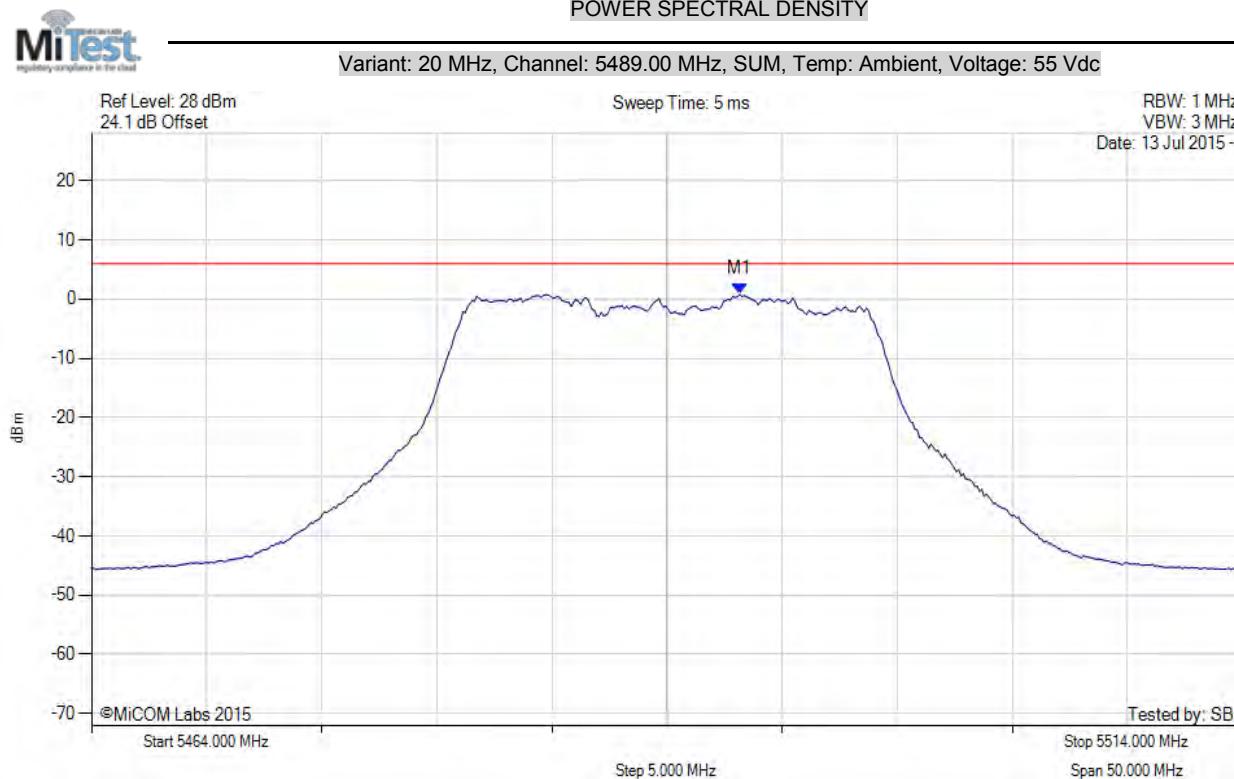
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5492.156 MHz : -1.149 dBm | Limit: ≤ 2.990 dBm |

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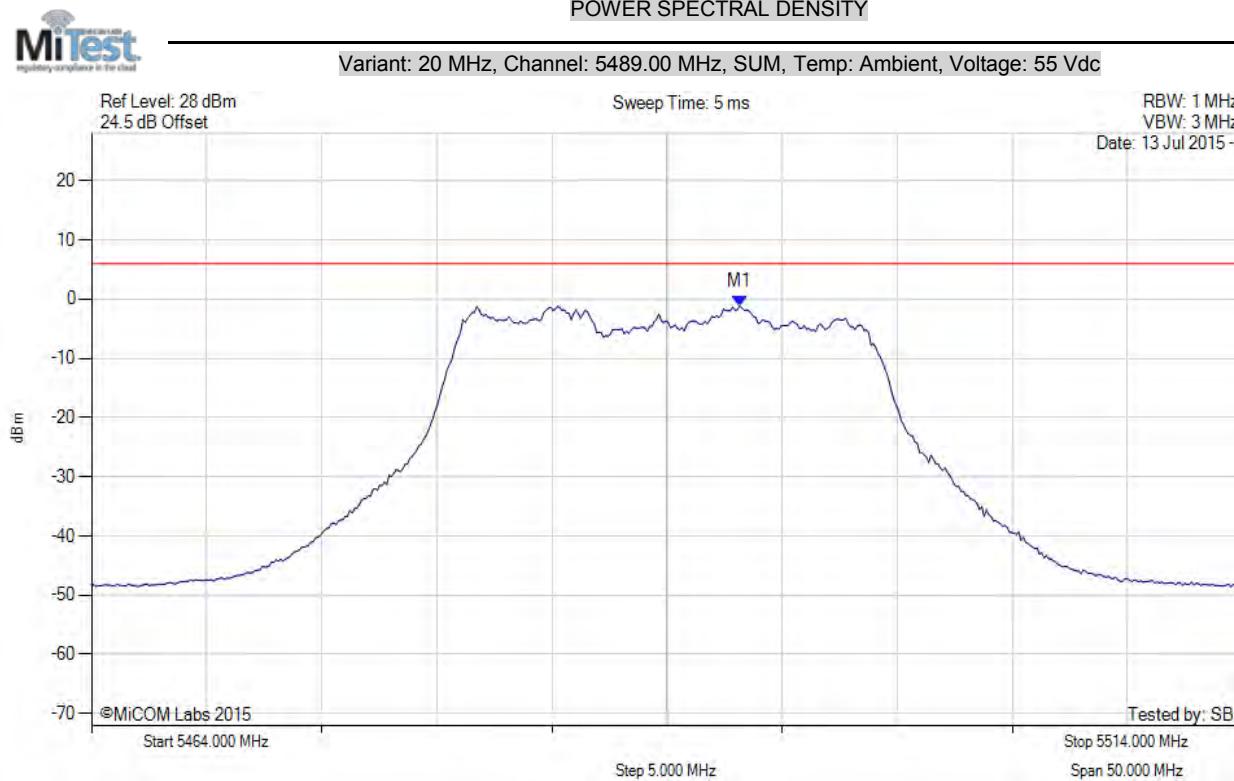
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5492.200 MHz : 0.806 dBm M1 + DCCF : 5492.200 MHz : 1.456 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 6.0 dBm Margin: -4.6 dB |

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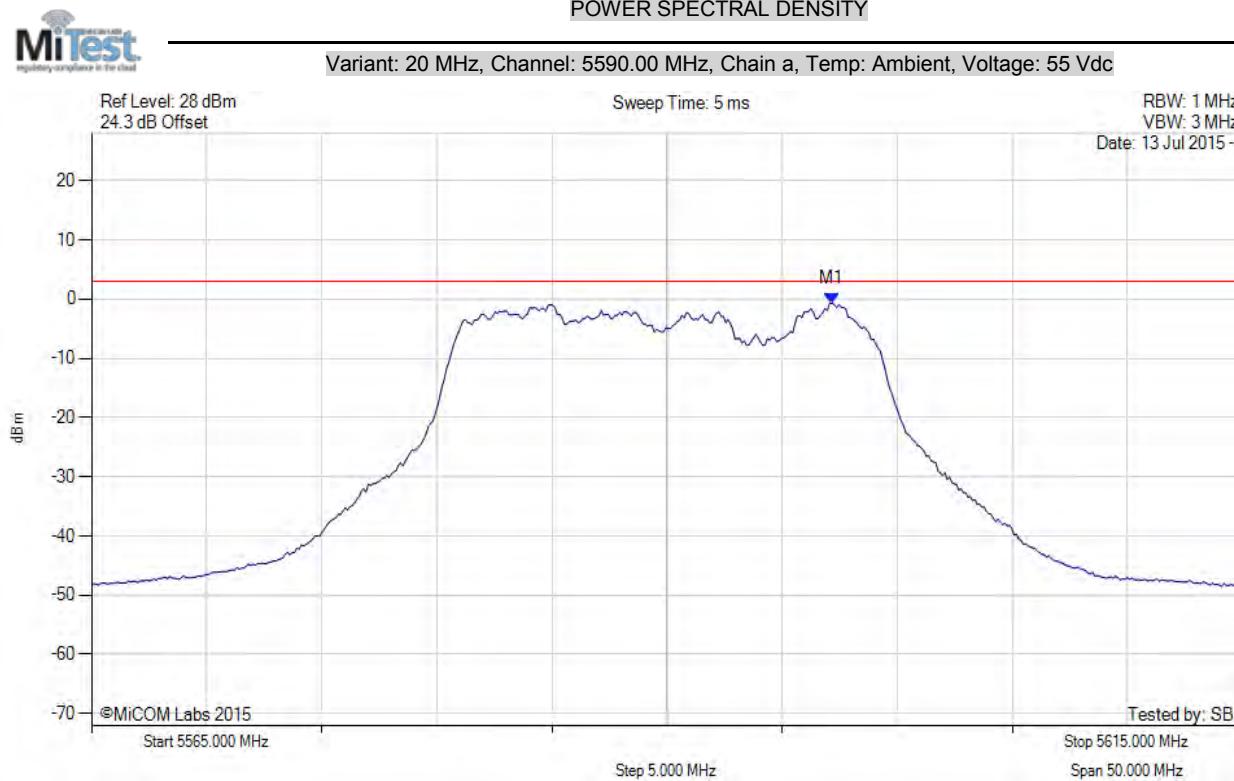
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5492.200 MHz : -1.149 dBm M1 + DCCF : 5492.200 MHz : -0.499 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 6.0 dBm Margin: -6.5 dB |

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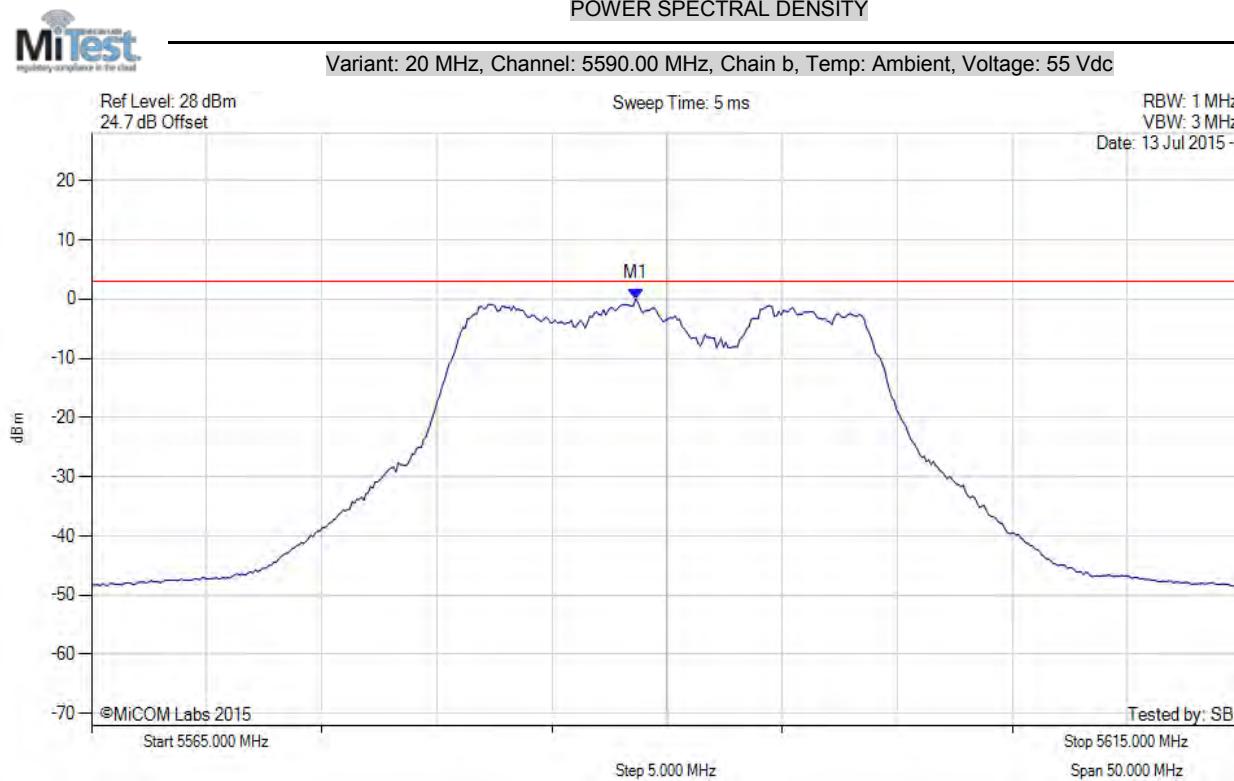
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5597.164 MHz : -0.690 dBm | Limit: ≤ 2.990 dBm |

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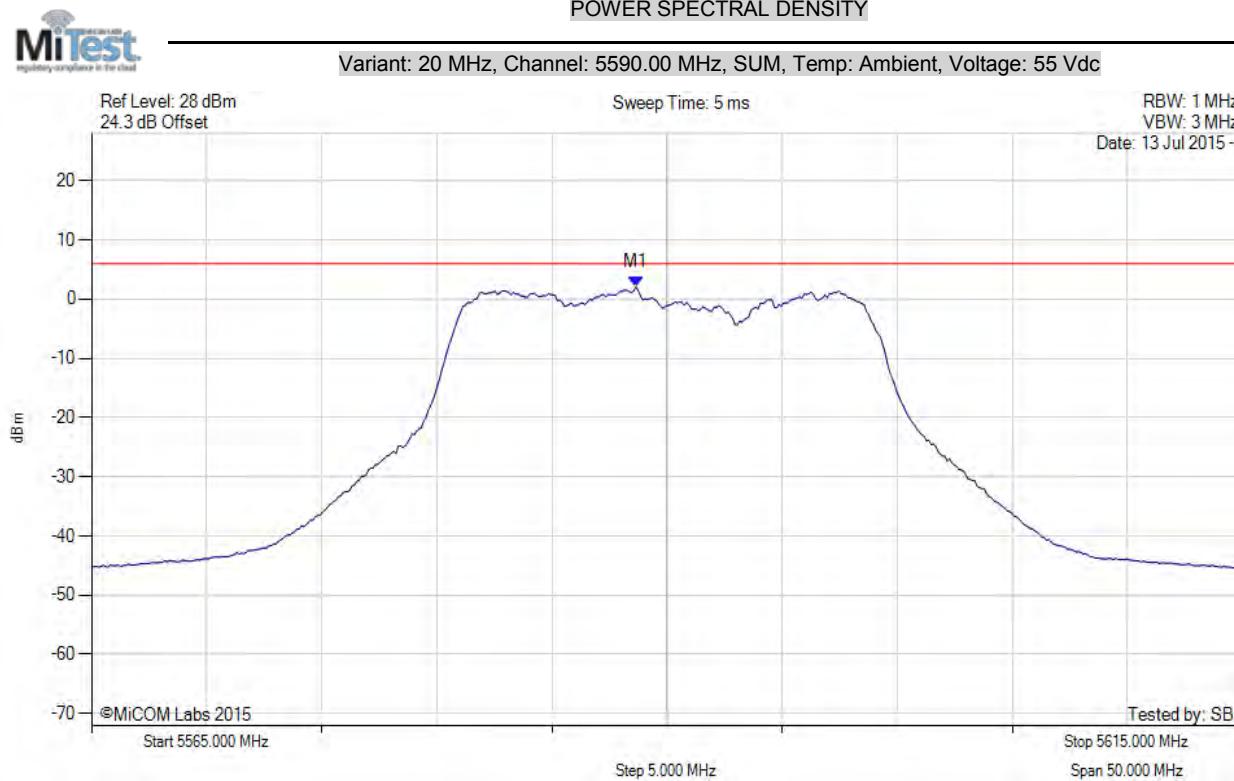
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5588.647 MHz : 0.042 dBm | Channel Frequency: 5590.00 MHz |

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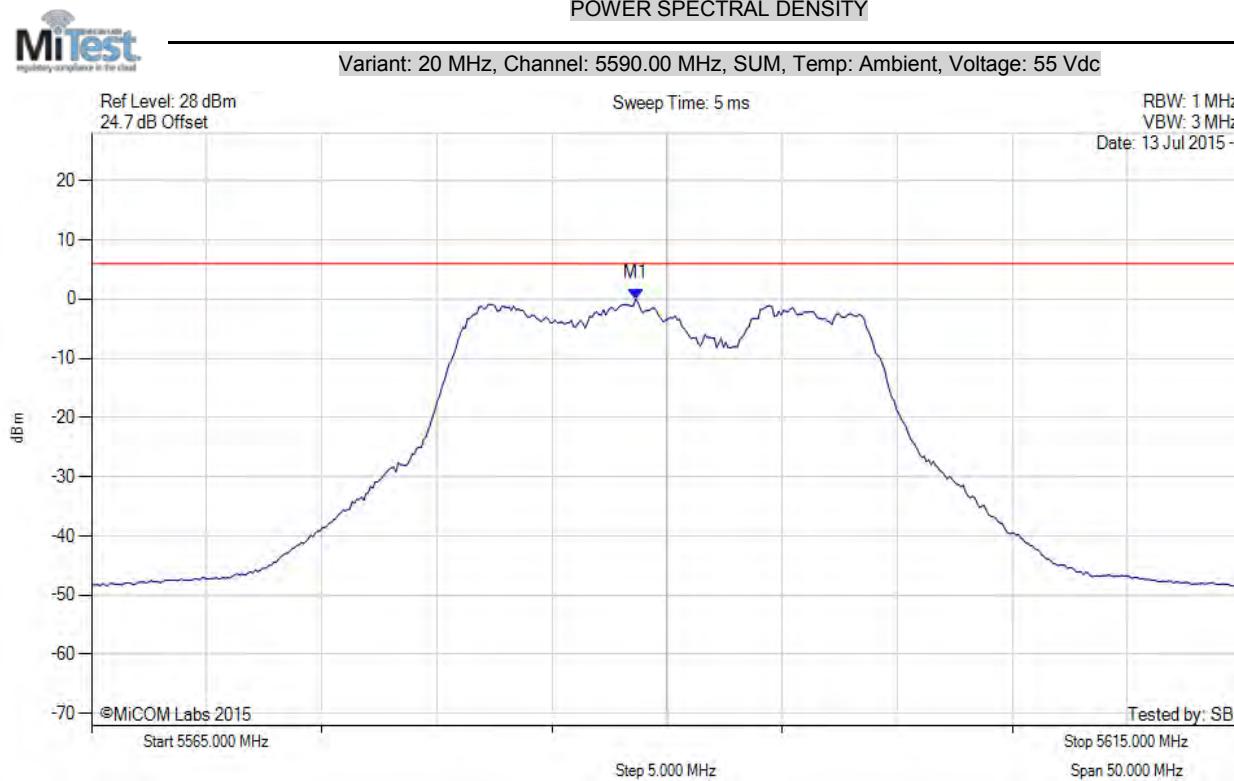
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5588.600 MHz : 2.056 dBm M1 + DCCF : 5588.600 MHz : 2.706 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 6.0 dBm Margin: -3.3 dB |

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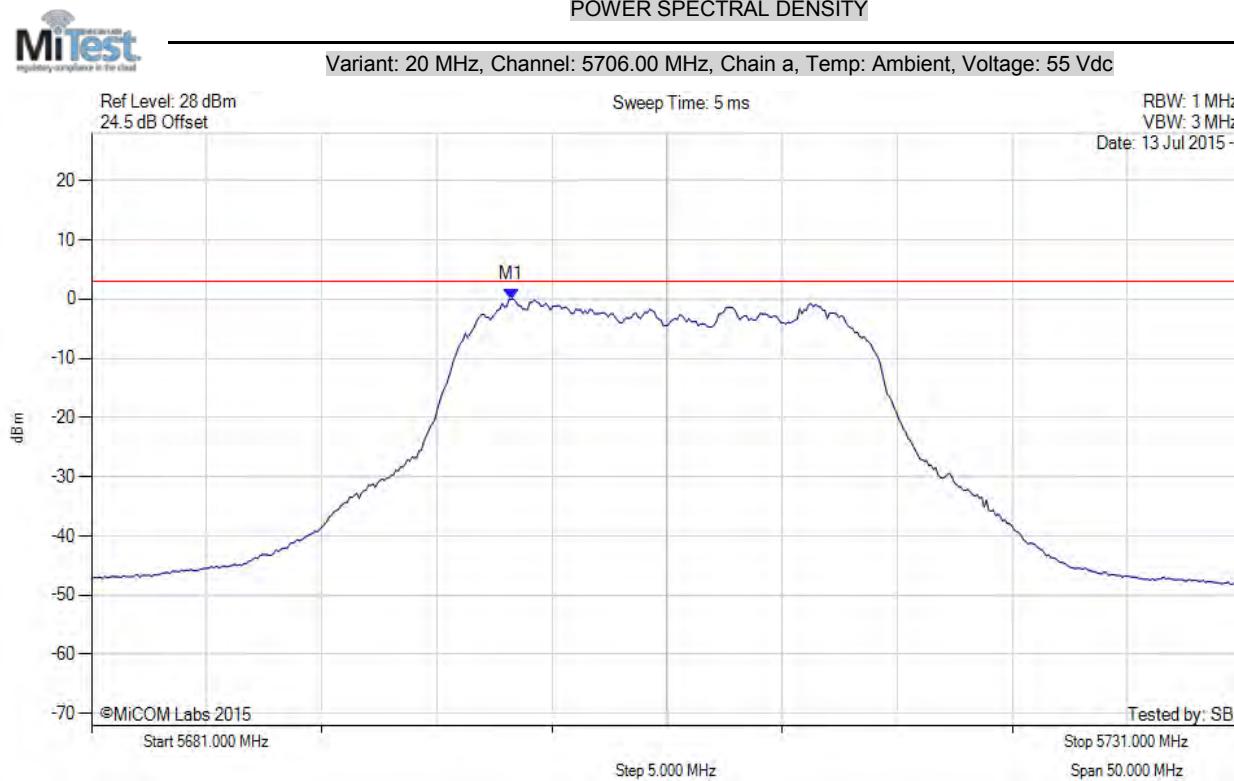
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5588.600 MHz : 0.042 dBm M1 + DCCF : 5588.600 MHz : 0.692 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 6.0 dBm Margin: -5.3 dB |

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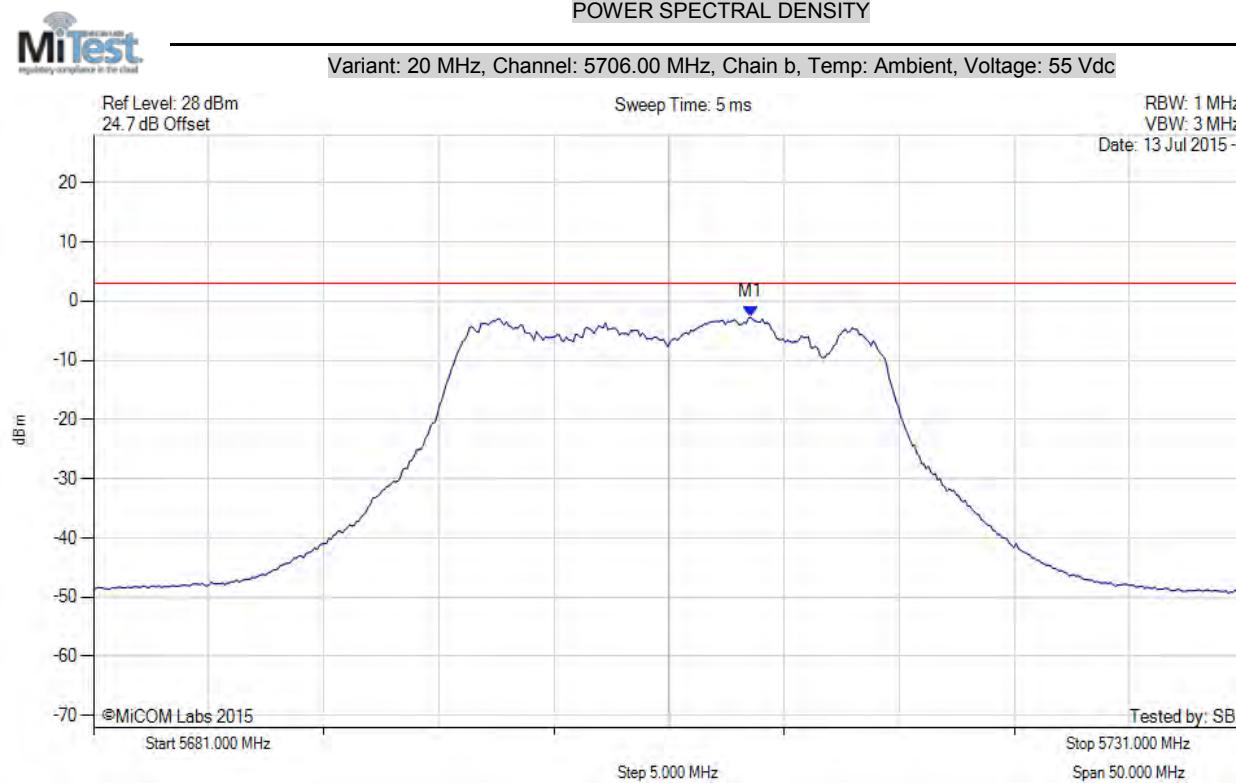
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5699.236 MHz : -0.004 dBm | Limit: ≤ 2.990 dBm |

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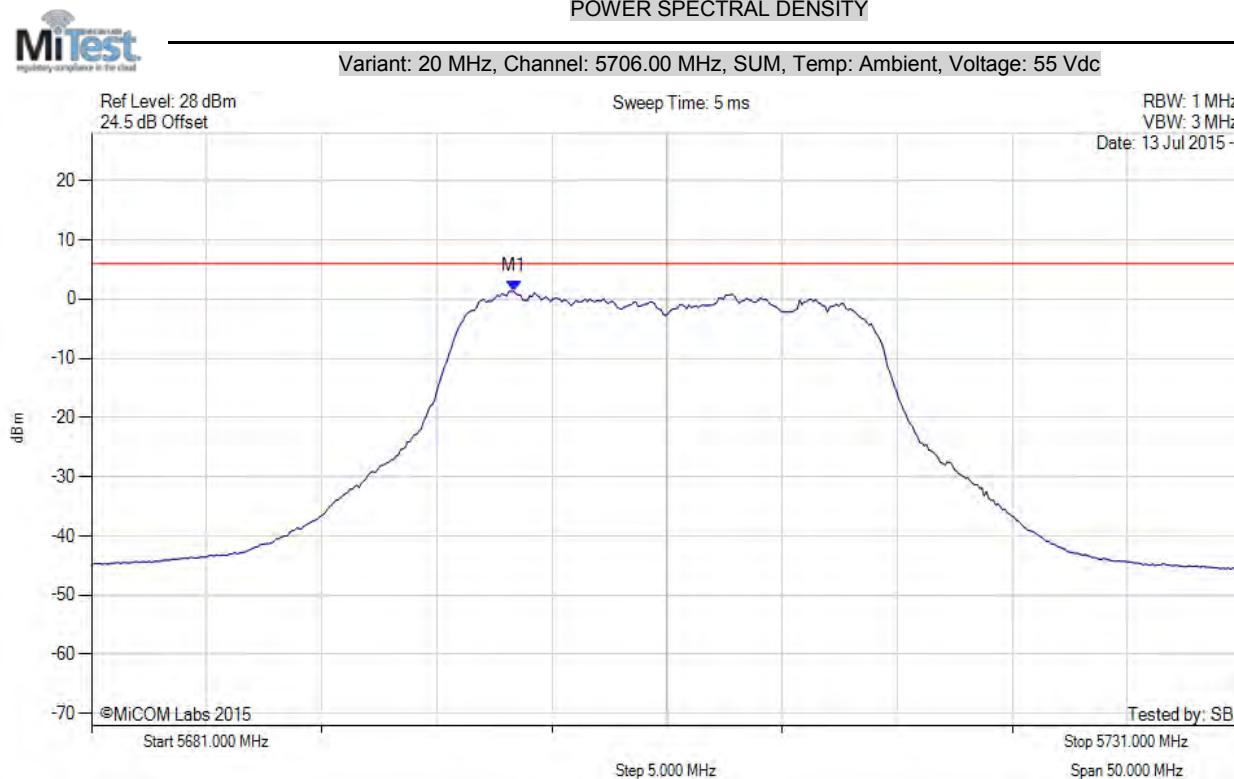
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5709.557 MHz : -2.730 dBm | Limit: ≤ 2.990 dBm |

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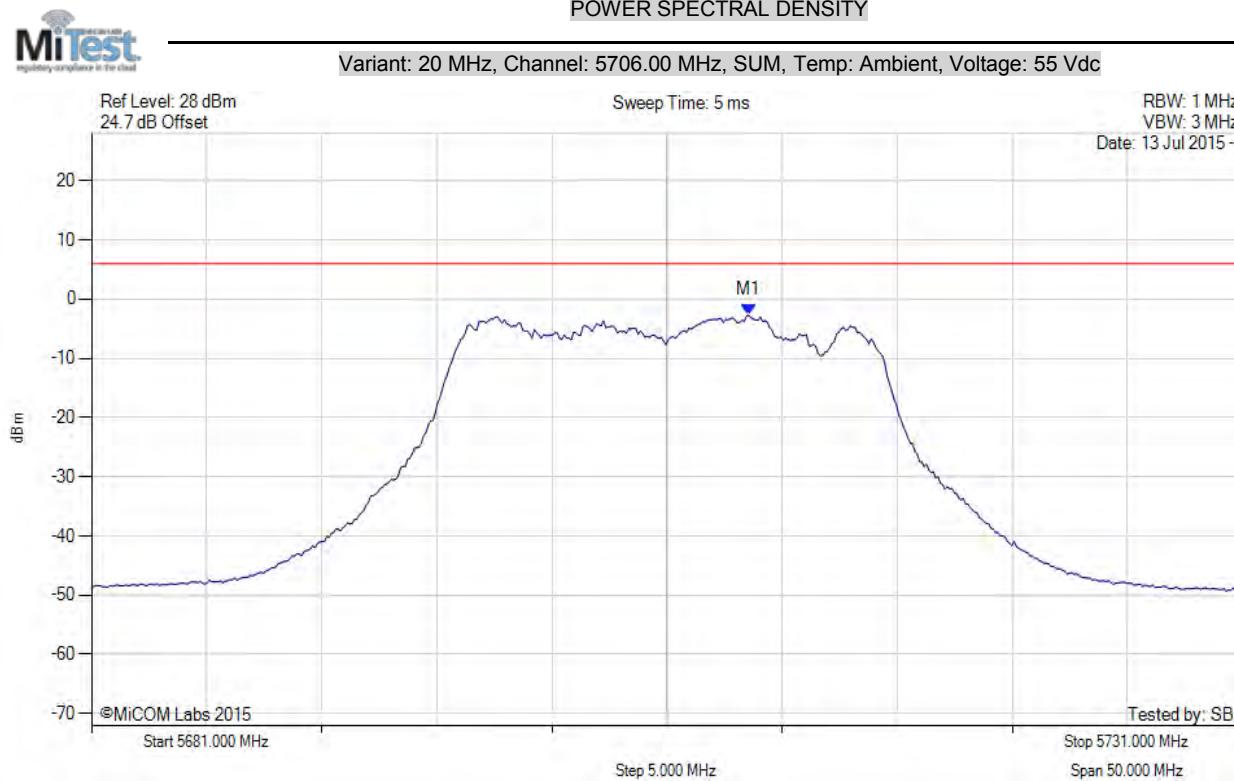
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5699.300 MHz : 1.302 dBm M1 + DCCF : 5699.300 MHz : 1.952 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 6.0 dBm Margin: -4.1 dB |

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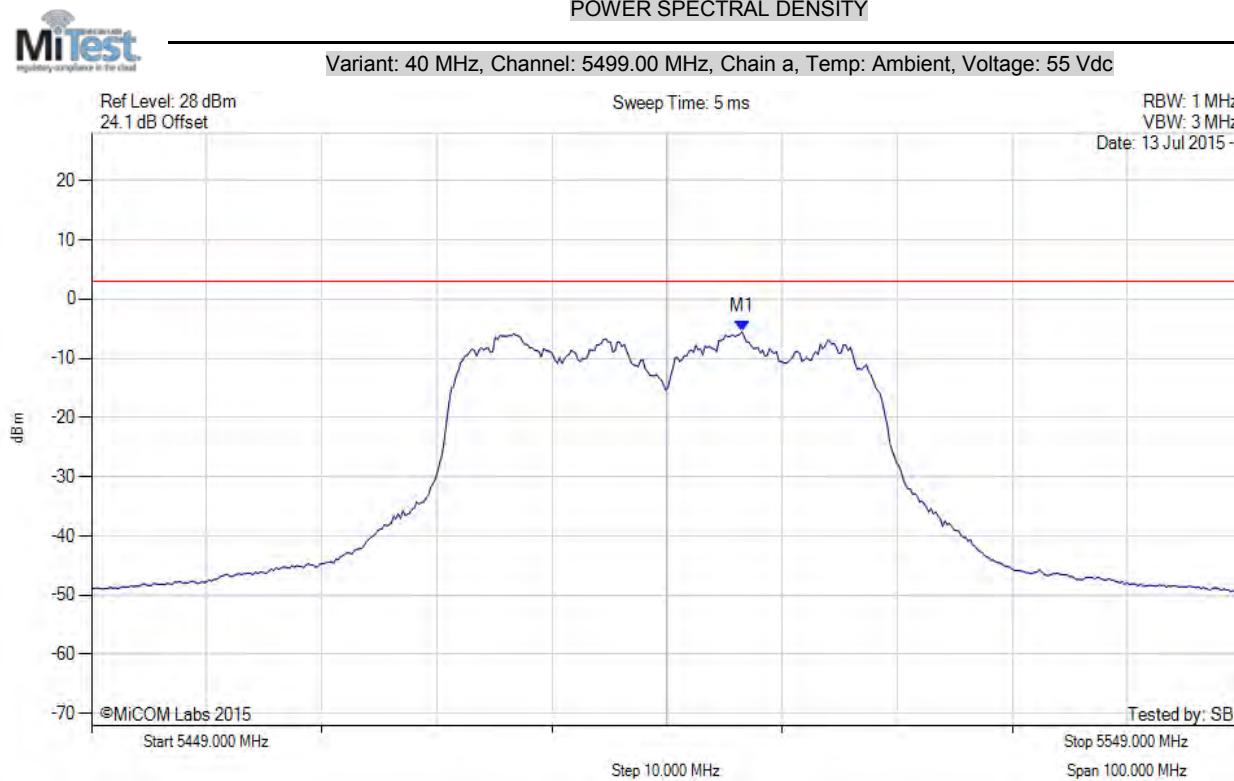
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5709.600 MHz : -2.730 dBm M1 + DCCF : 5709.600 MHz : -2.080 dBm Duty Cycle Correction Factor : +0.66 dB | Limit: ≤ 6.0 dBm Margin: -8.1 dB |

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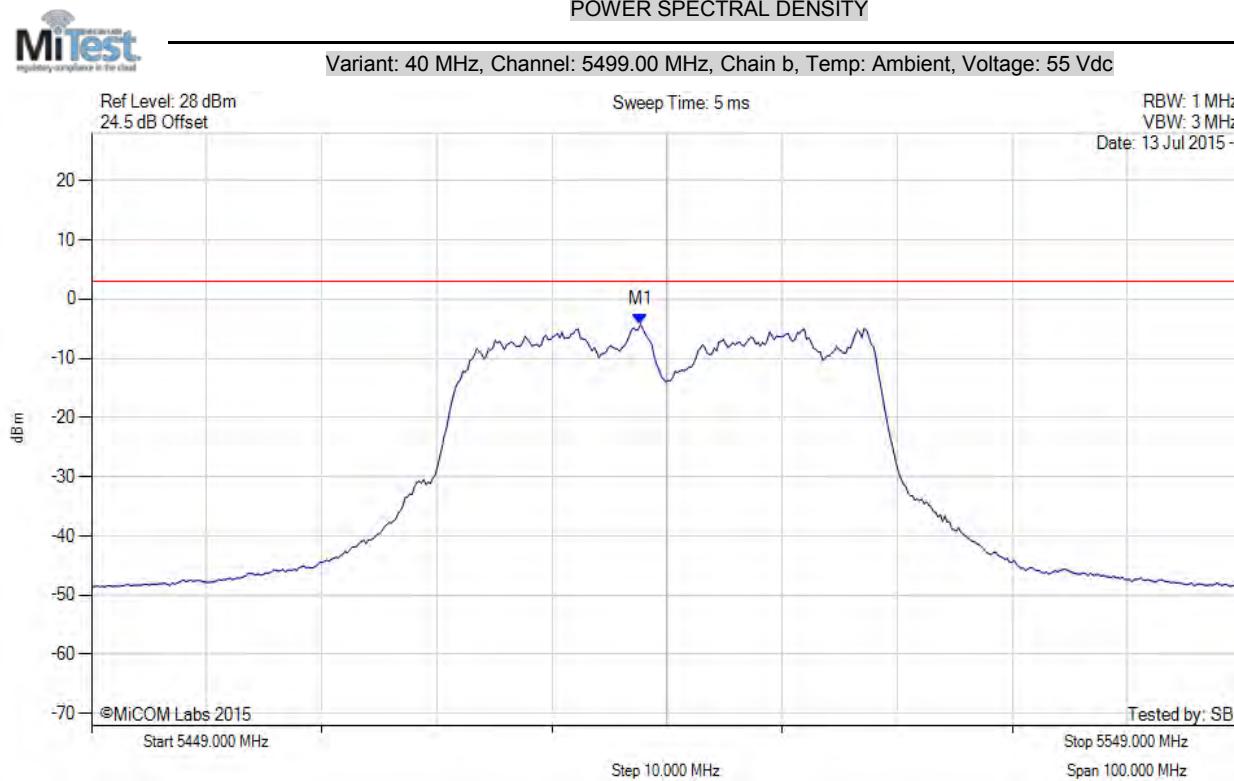
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5505.513 MHz : -5.493 dBm | Limit: ≤ 2.990 dBm |

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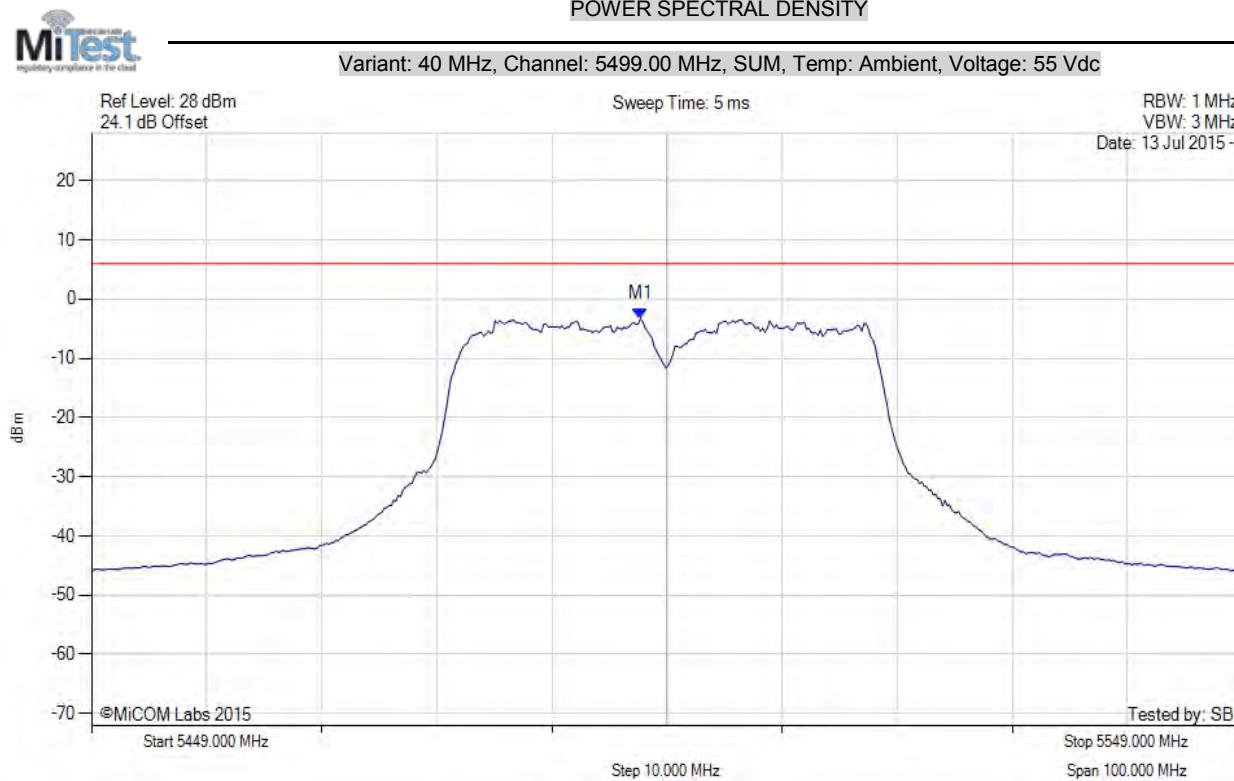
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5496.695 MHz : -4.263 dBm | Limit: ≤ 2.990 dBm |

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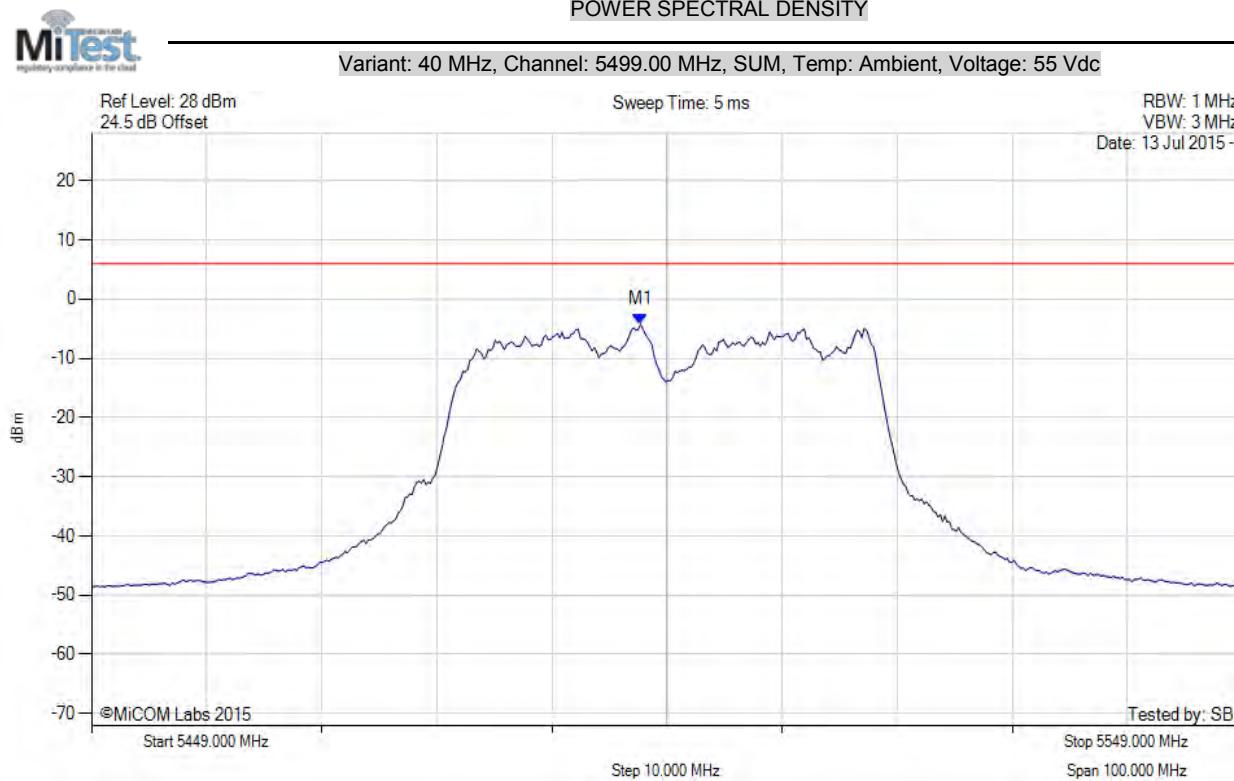
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5496.700 MHz : -3.316 dBm M1 + DCCF : 5496.700 MHz : -2.379 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 6.0 dBm Margin: -8.4 dB |

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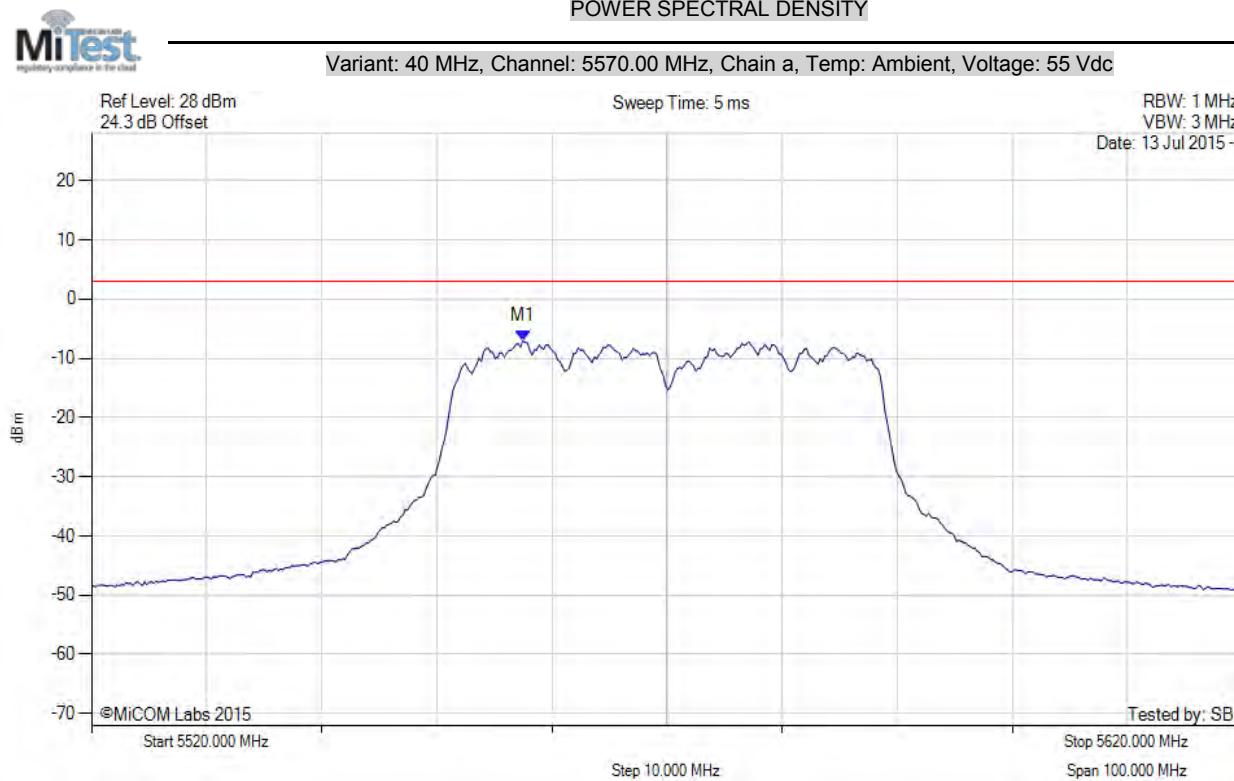
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5496.700 MHz : -4.263 dBm M1 + DCCF : 5496.700 MHz : -3.326 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 6.0 dBm Margin: -9.3 dB |

[back to matrix](#)

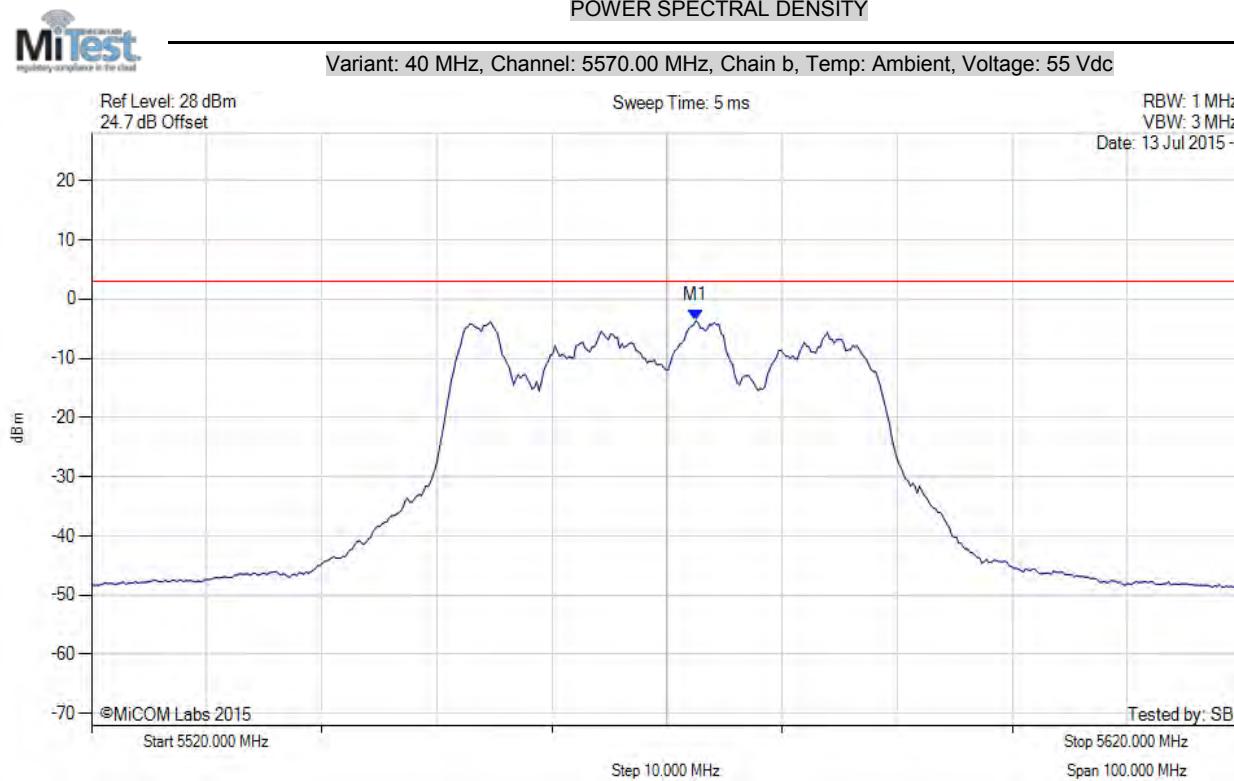
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5557.475 MHz : -7.063 dBm | Limit: ≤ 2.990 dBm |

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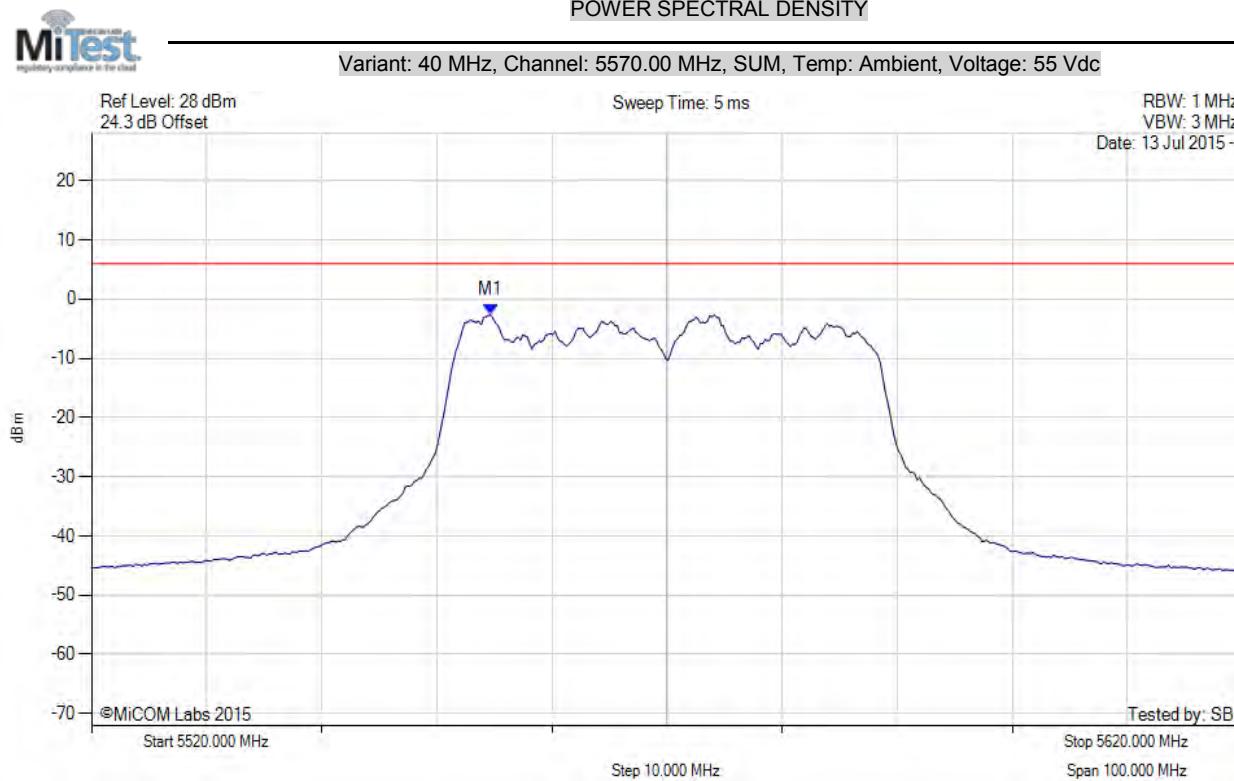
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5572.505 MHz : -3.658 dBm | Channel Frequency: 5570.00 MHz |

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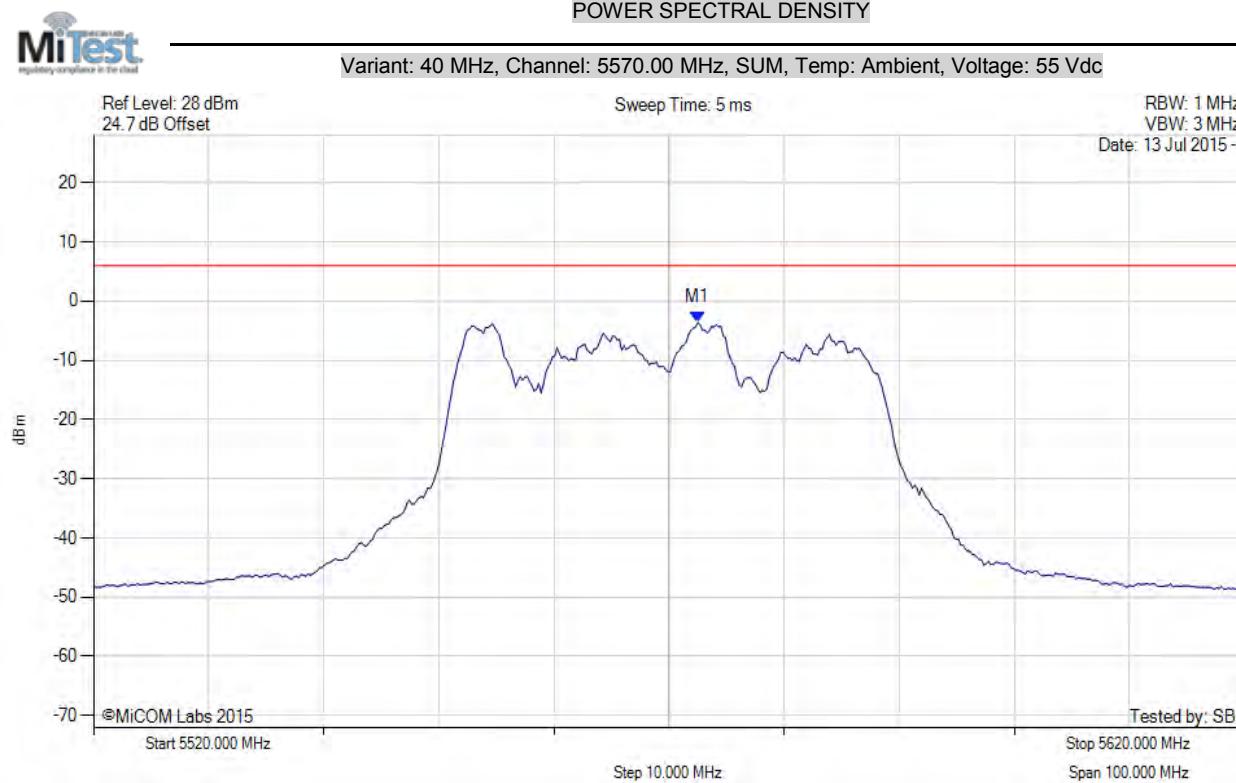
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5554.700 MHz : -2.642 dBm M1 + DCCF : 5554.700 MHz : -1.705 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 6.0 dBm Margin: -7.7 dB |

[back to matrix](#)

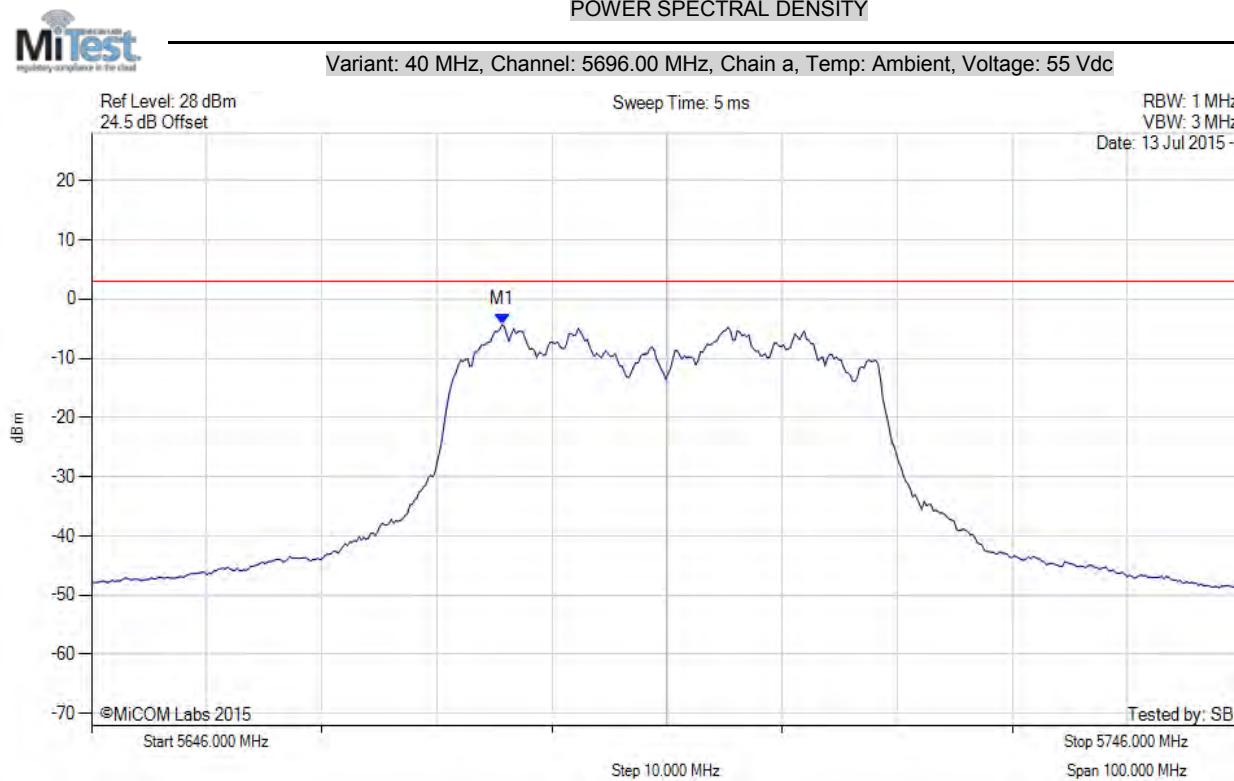
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5572.500 MHz : -3.658 dBm M1 + DCCF : 5572.500 MHz : -2.721 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 6.0 dBm Margin: -8.7 dB |

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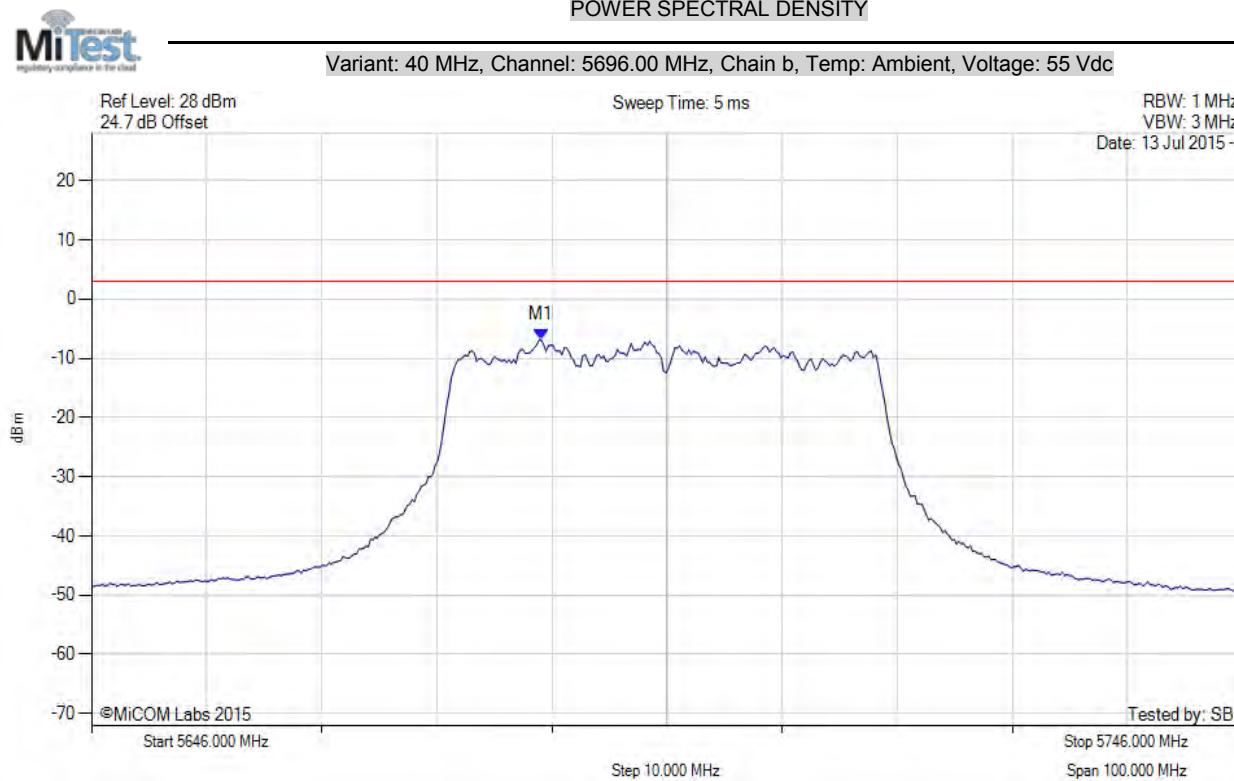
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5681.671 MHz : -4.300 dBm | Limit: ≤ 2.990 dBm |

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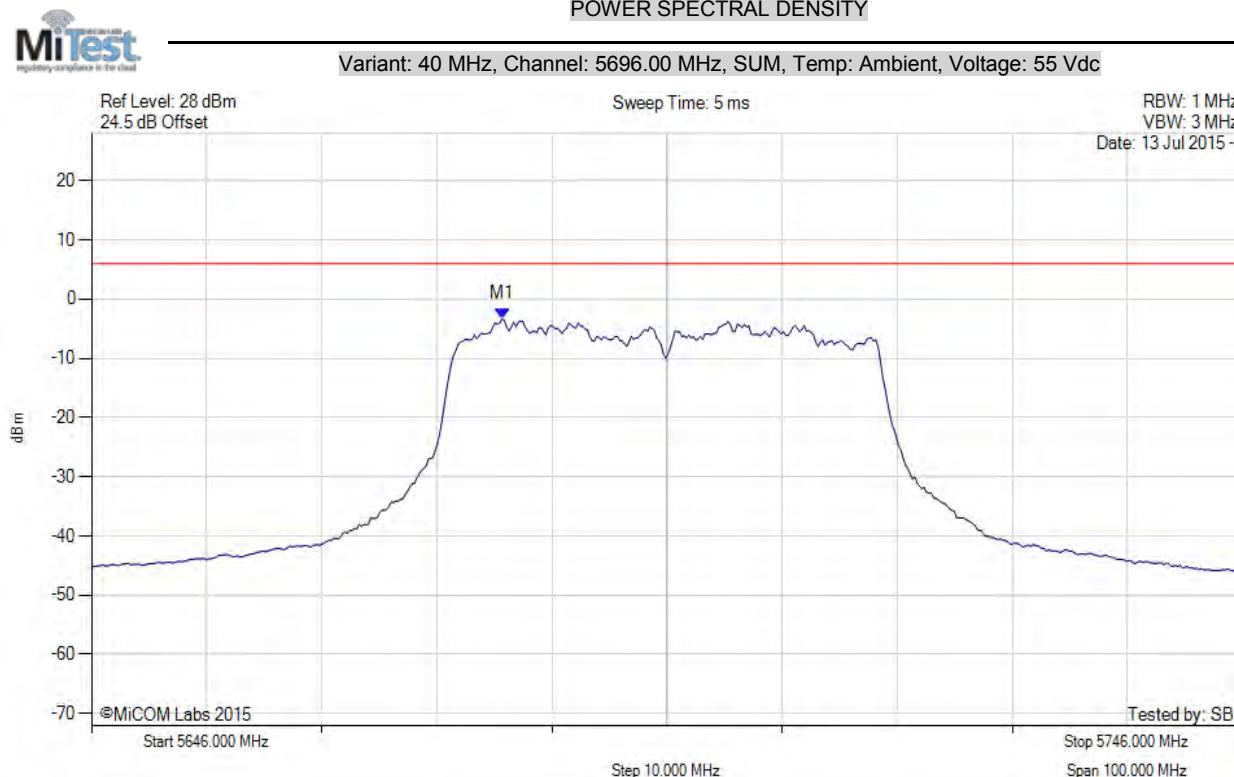
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5685.078 MHz : -6.893 dBm | Limit: ≤ 2.990 dBm |

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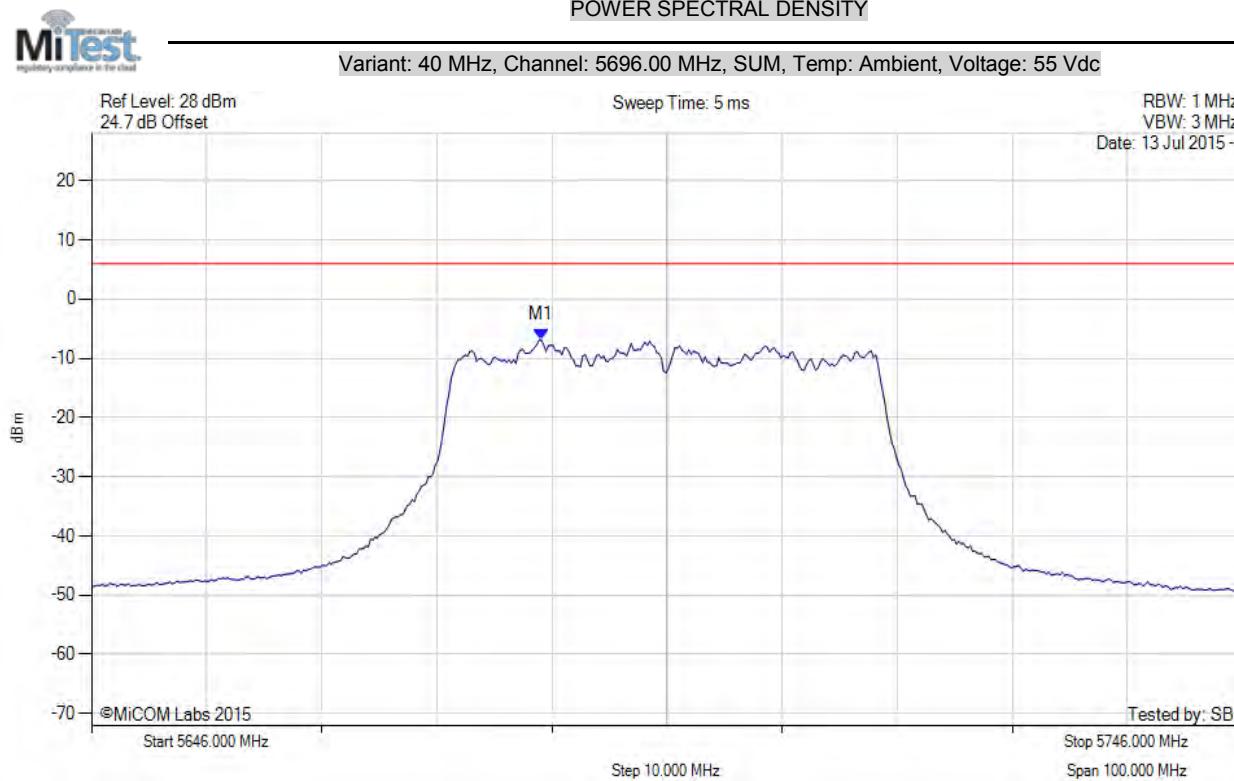
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5681.700 MHz : -3.359 dBm M1 + DCCF : 5681.700 MHz : -2.422 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 6.0 dBm Margin: -8.4 dB |

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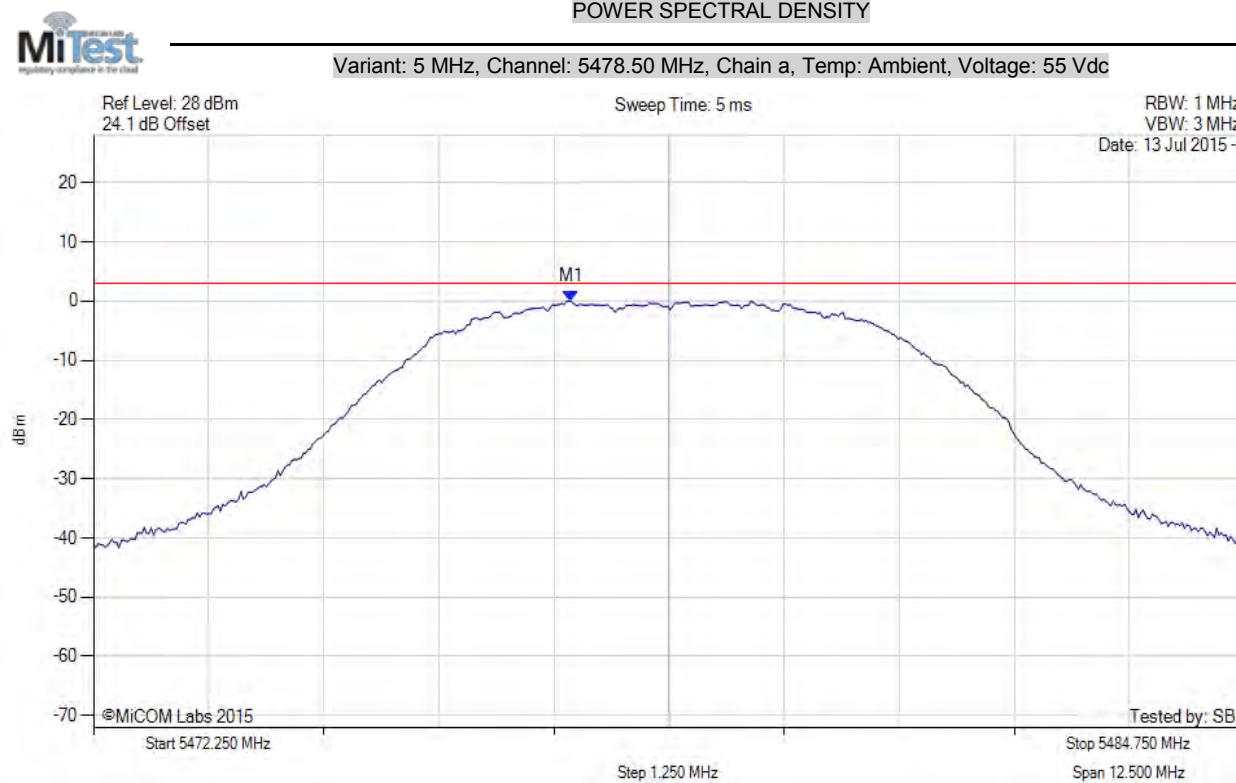
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5685.100 MHz : -6.893 dBm M1 + DCCF : 5685.100 MHz : -5.956 dBm Duty Cycle Correction Factor : +0.92 dB | Limit: ≤ 6.0 dBm Margin: -12.0 dB |

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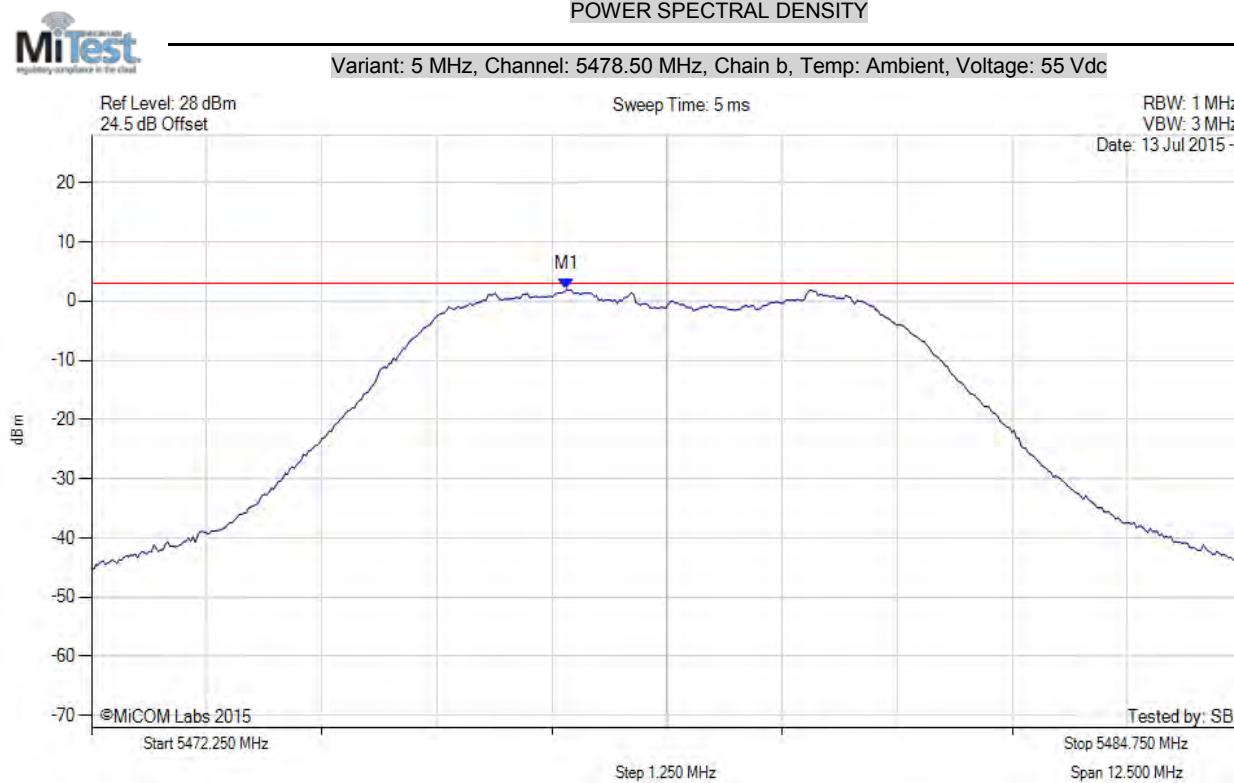
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5477.435 MHz : -0.010 dBm | Limit: ≤ 2.990 dBm |

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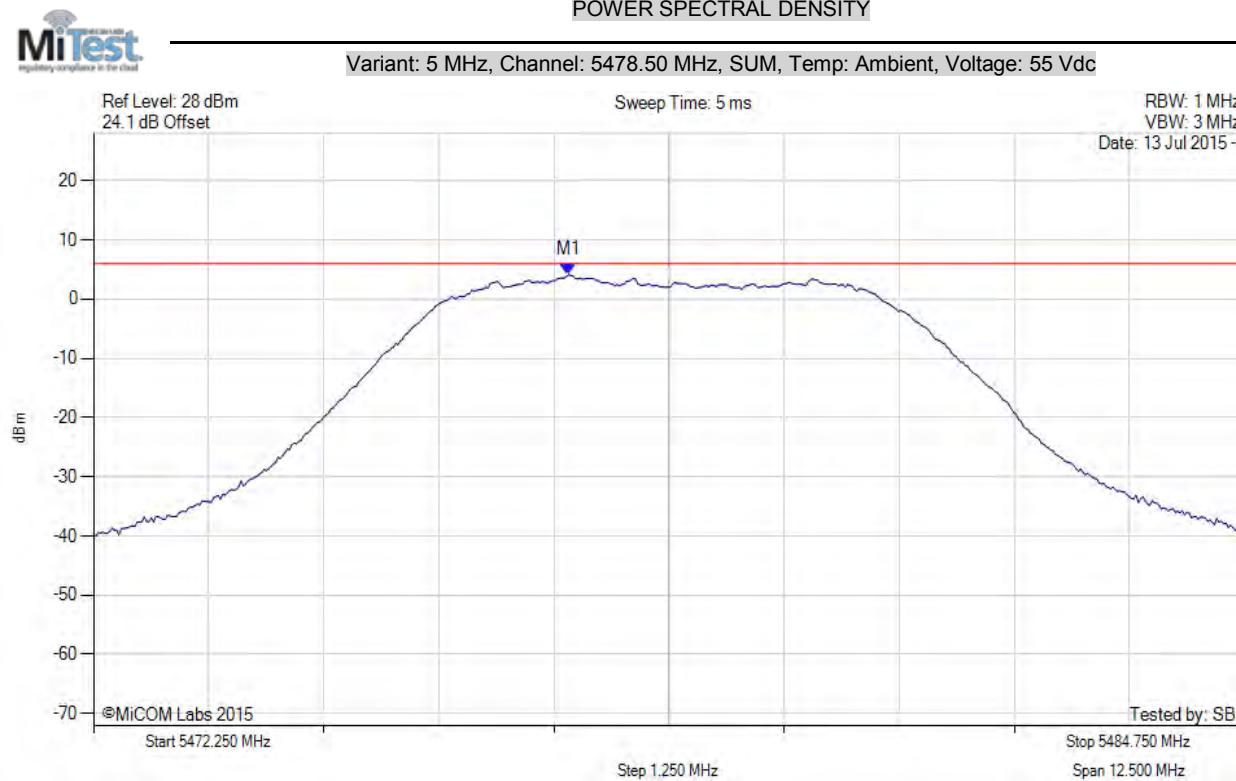
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5477.410 MHz : 1.975 dBm | Limit: ≤ 2.990 dBm |

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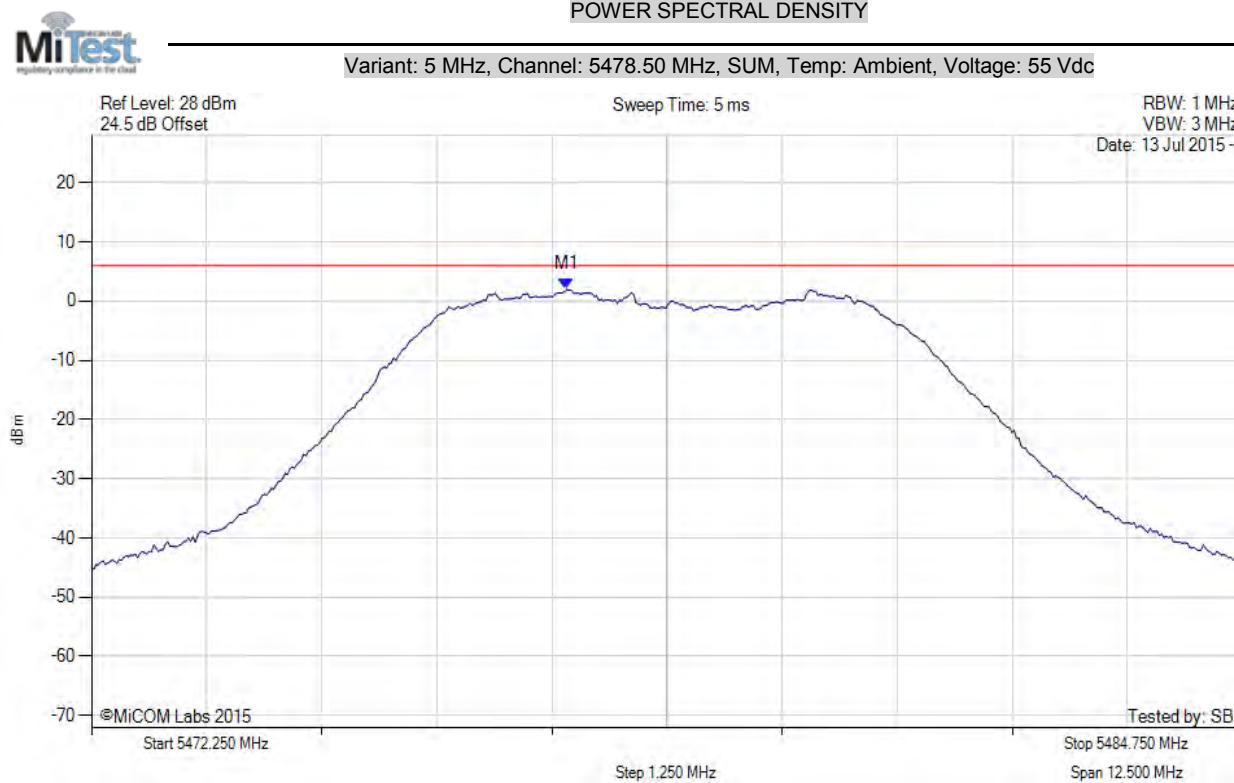
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5477.400 MHz : 4.103 dBm M1 + DCCF : 5477.400 MHz : 4.546 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 6.0 dBm Margin: -1.5 dB |

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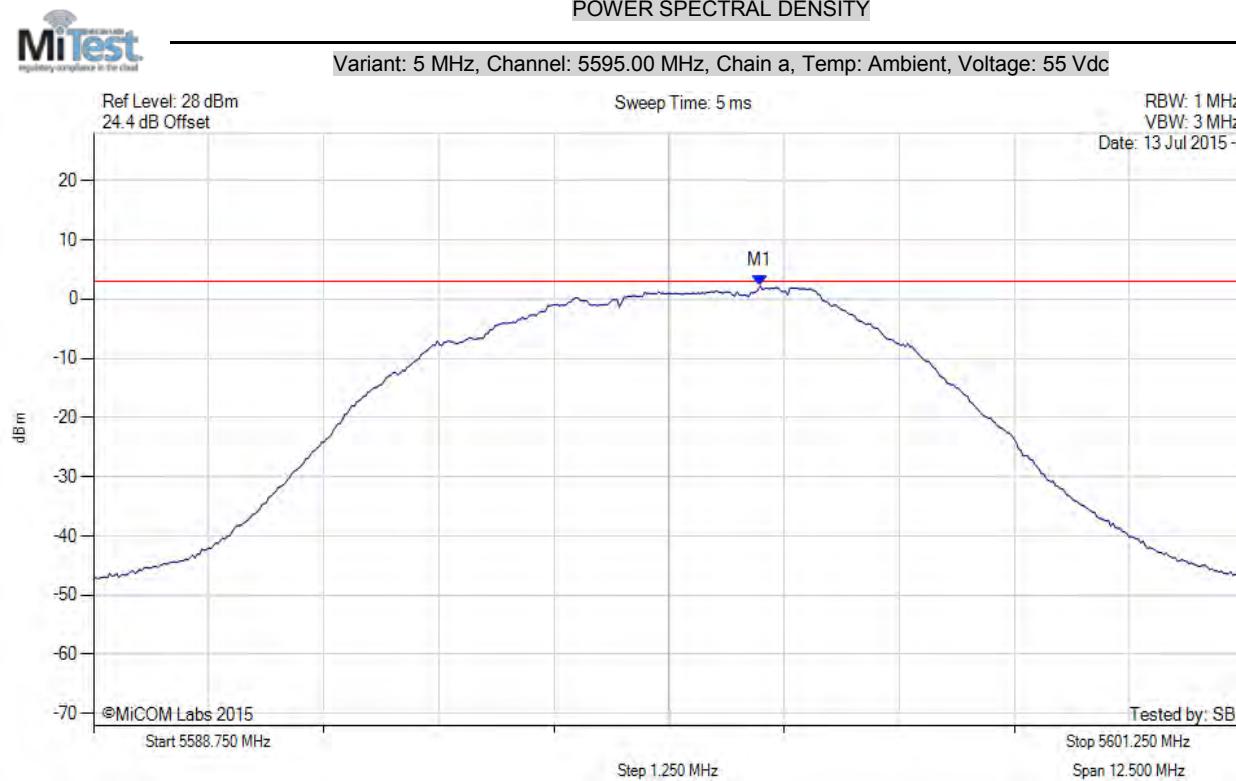
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5477.400 MHz : 1.975 dBm M1 + DCCF : 5477.400 MHz : 2.418 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 6.0 dBm Margin: -3.6 dB |

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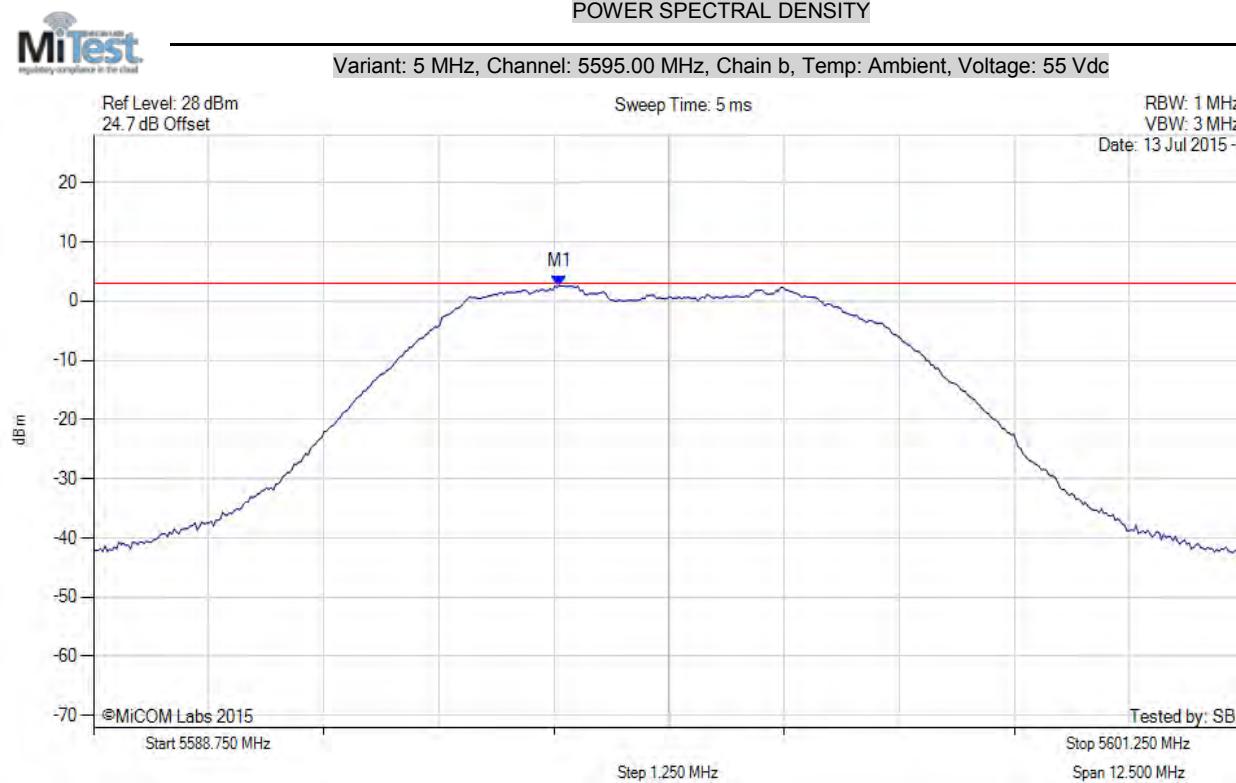
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5595.989 MHz : 2.233 dBm | Limit: ≤ 2.990 dBm |

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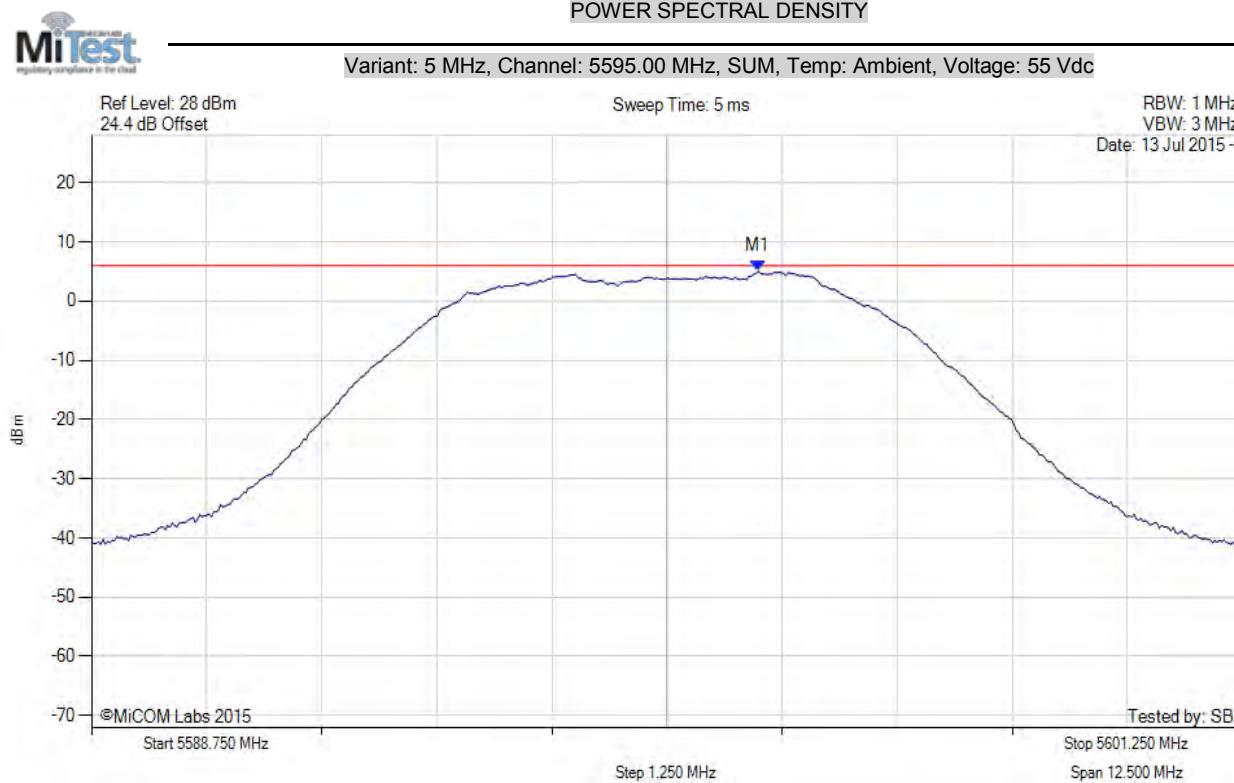
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5593.810 MHz : 2.569 dBm | Channel Frequency: 5595.00 MHz |

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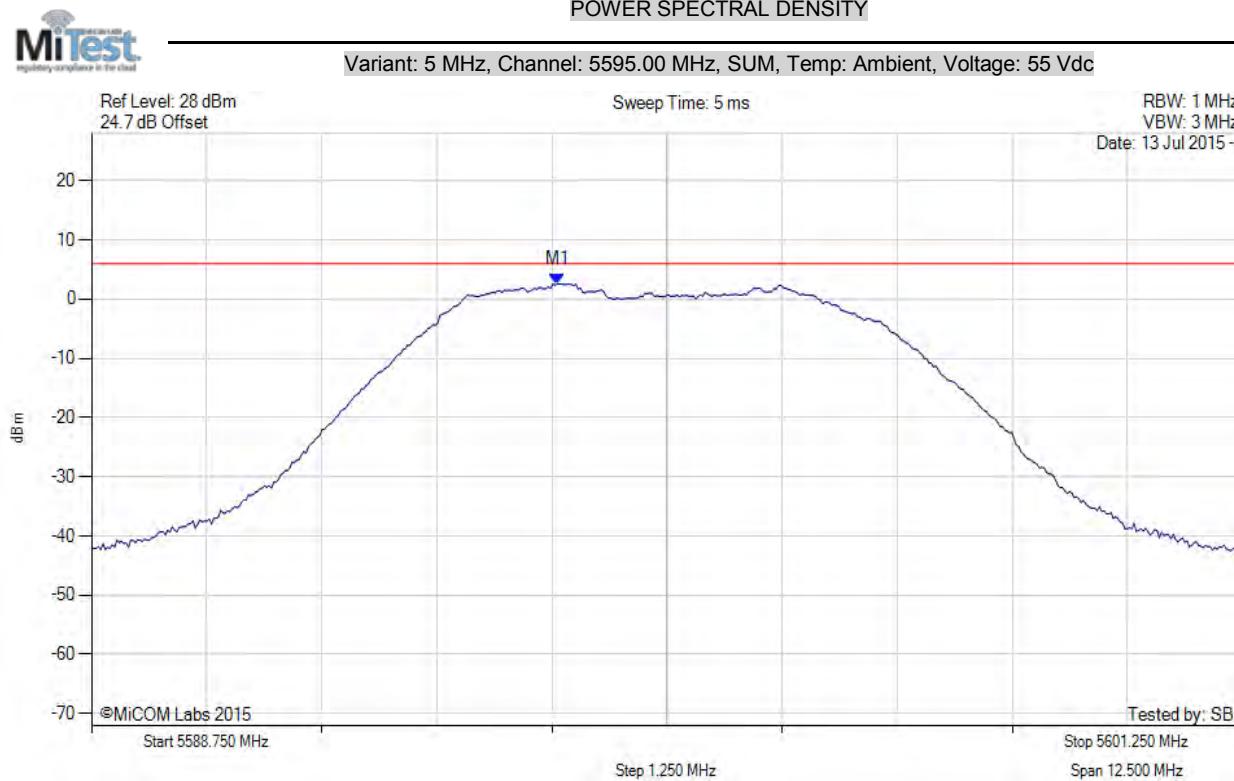
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5596.000 MHz : 5.038 dBm M1 + DCCF : 5596.000 MHz : 5.481 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 6.0 dBm Margin: -0.5 dB |

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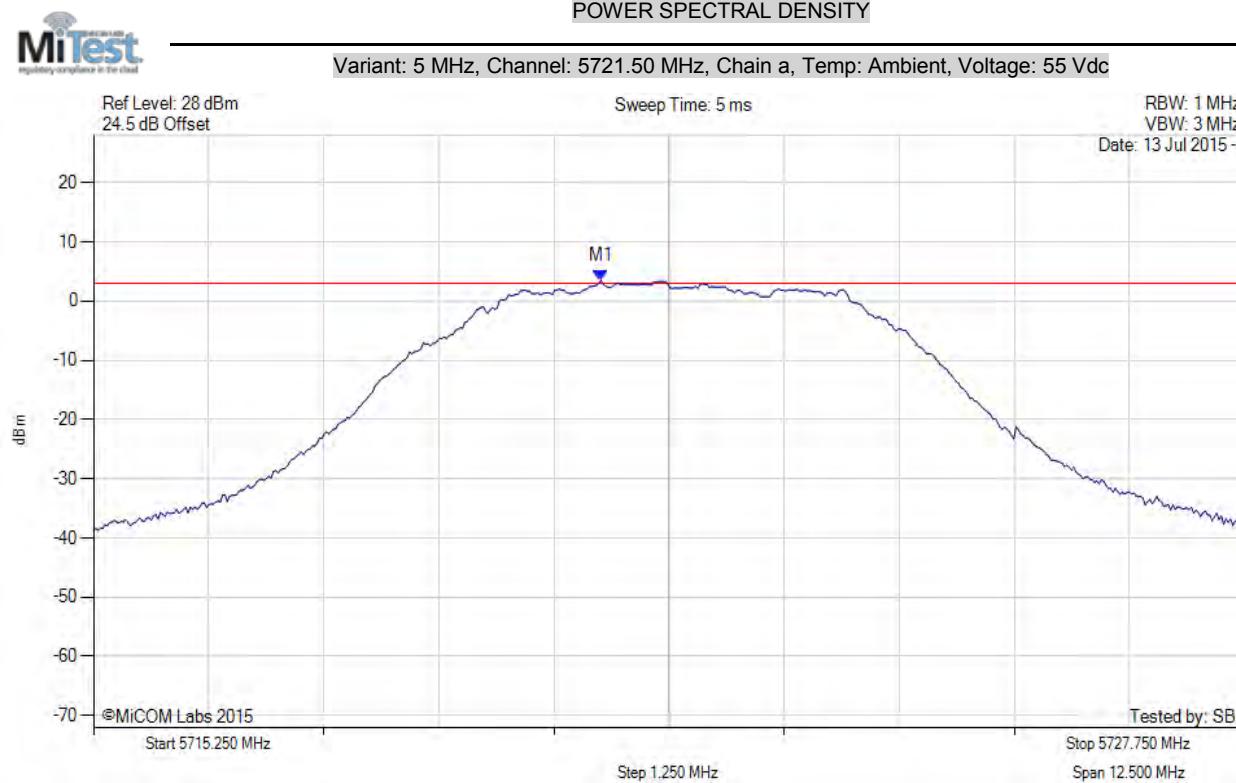
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5593.800 MHz : 2.569 dBm M1 + DCCF : 5593.800 MHz : 3.012 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 6.0 dBm Margin: -3.0 dB |

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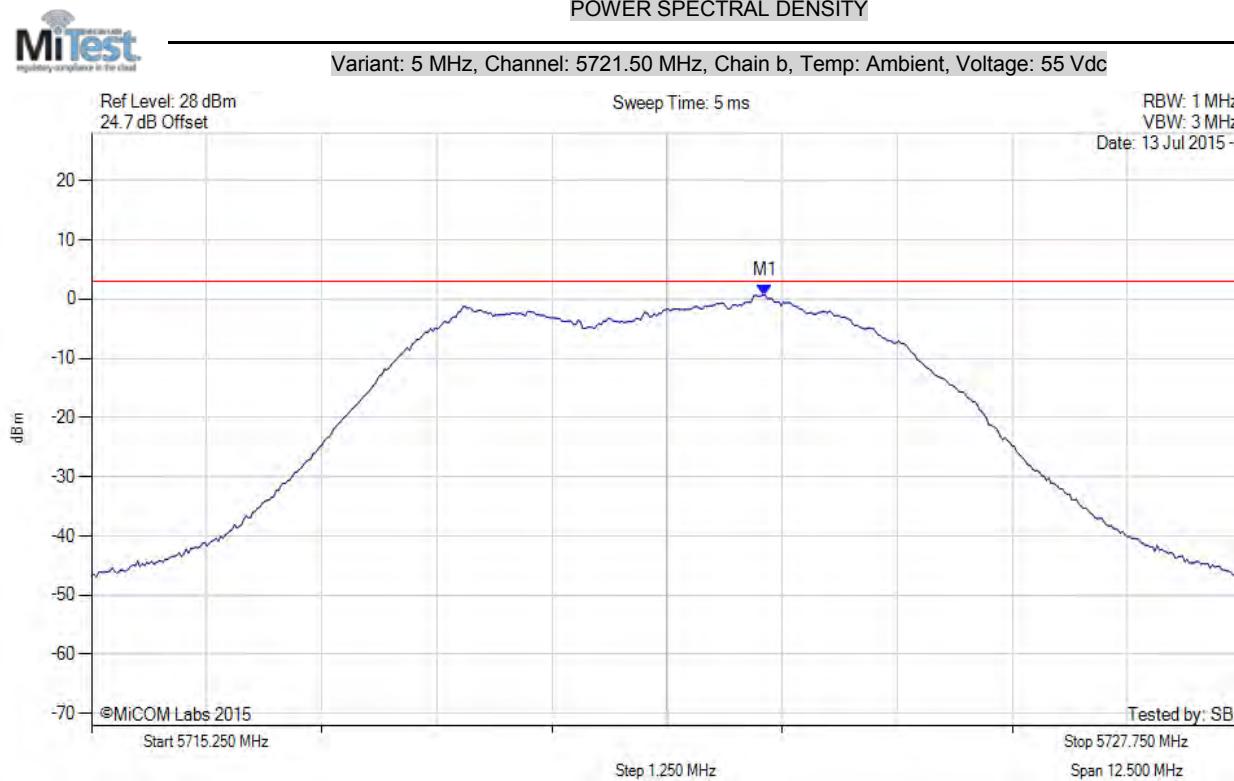
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5720.761 MHz : 3.512 dBm | Limit: ≤ 2.990 dBm |

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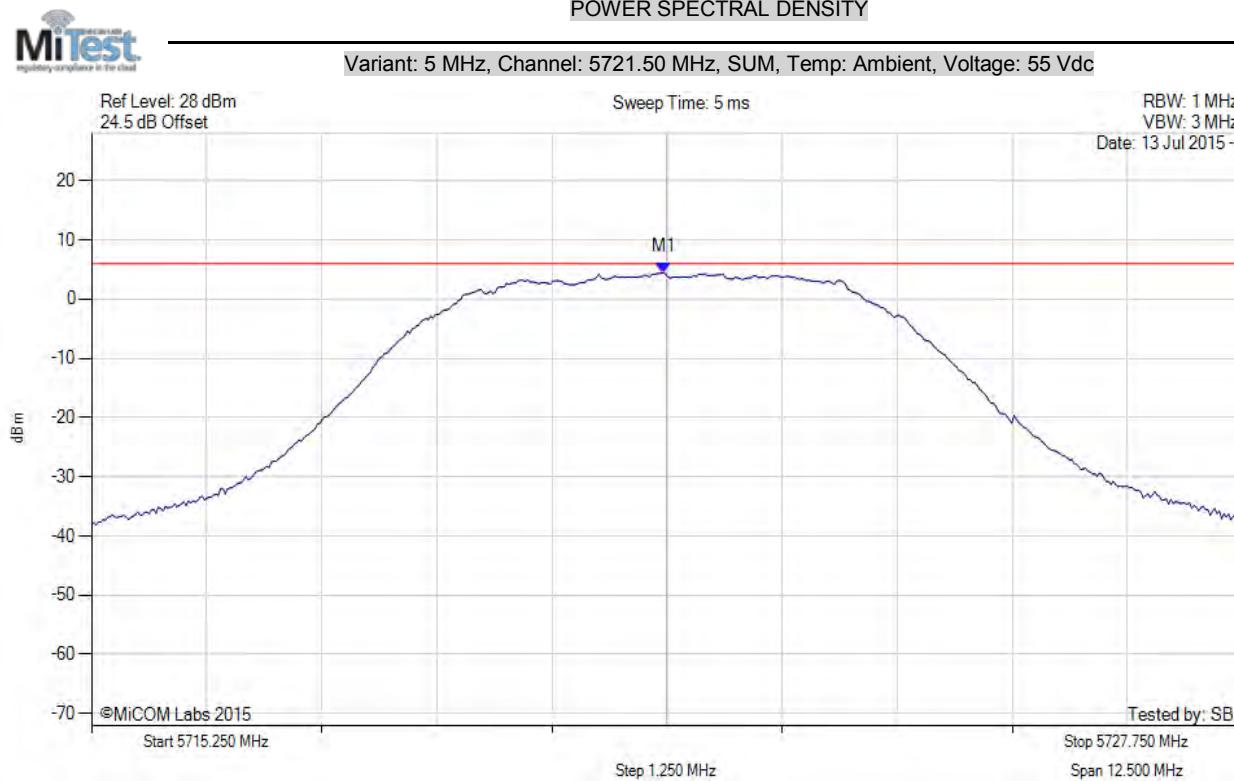
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|-------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5722.565 MHz : 0.683 dBm | Limit: ≤ 2.990 dBm |

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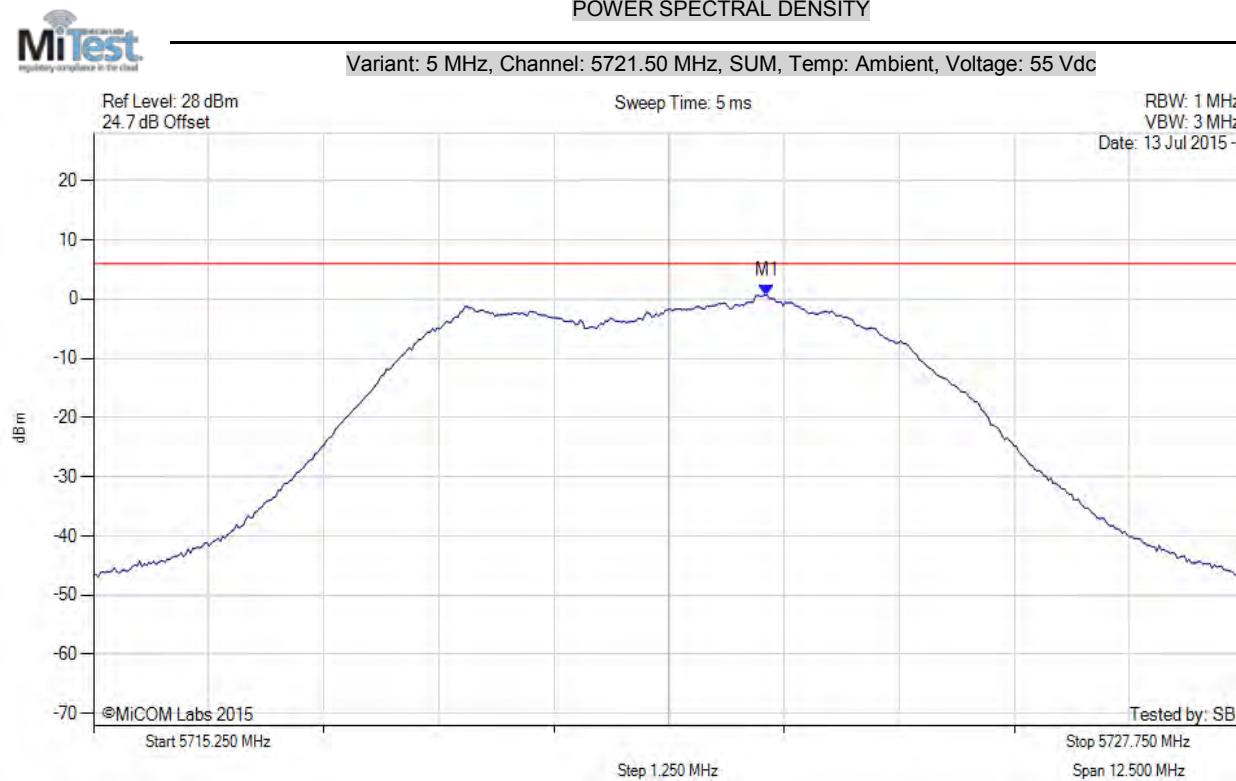
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5721.500 MHz : 4.482 dBm M1 + DCCF : 5721.500 MHz : 4.930 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 6.0 dBm Margin: -1.1 dB |

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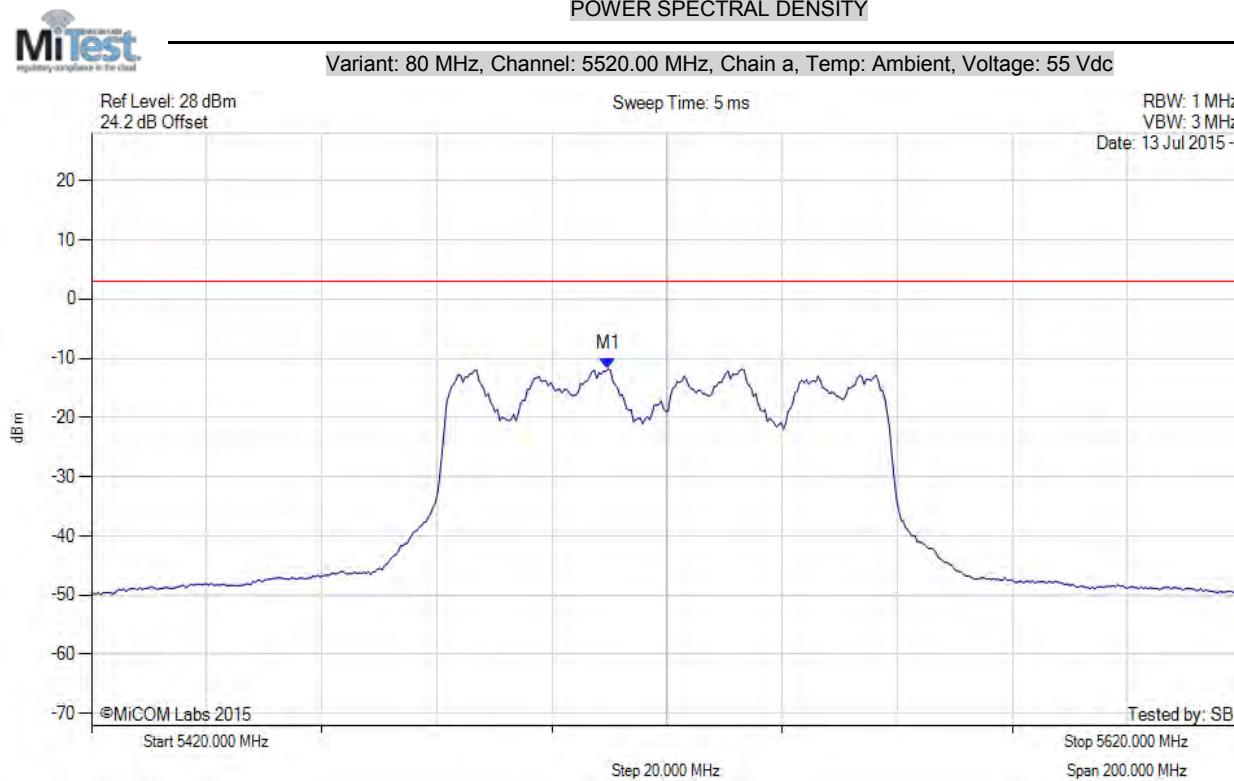
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|-------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5722.600 MHz : 0.683 dBm M1 + DCCF : 5722.600 MHz : 1.131 dBm Duty Cycle Correction Factor : +0.46 dB | Limit: ≤ 6.0 dBm Margin: -4.9 dB |

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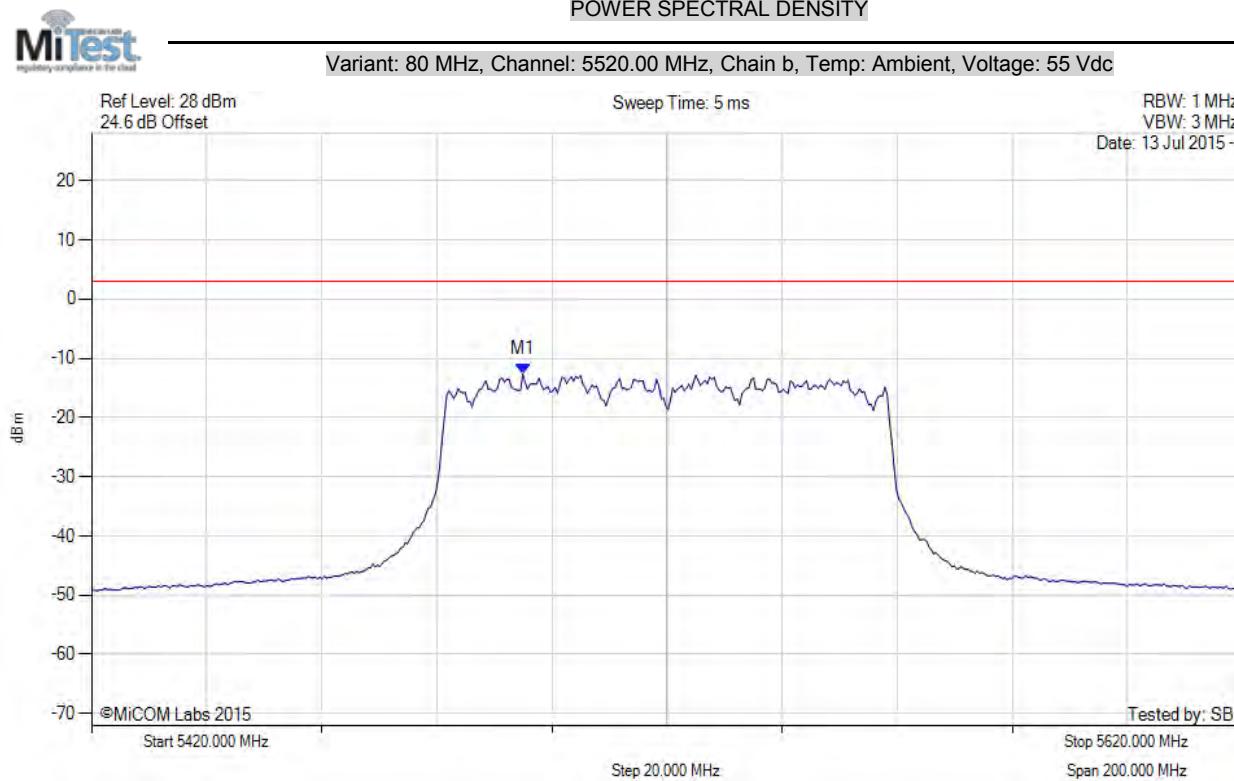
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5509.780 MHz : -11.747 dBm | Limit: ≤ 2.990 dBm |

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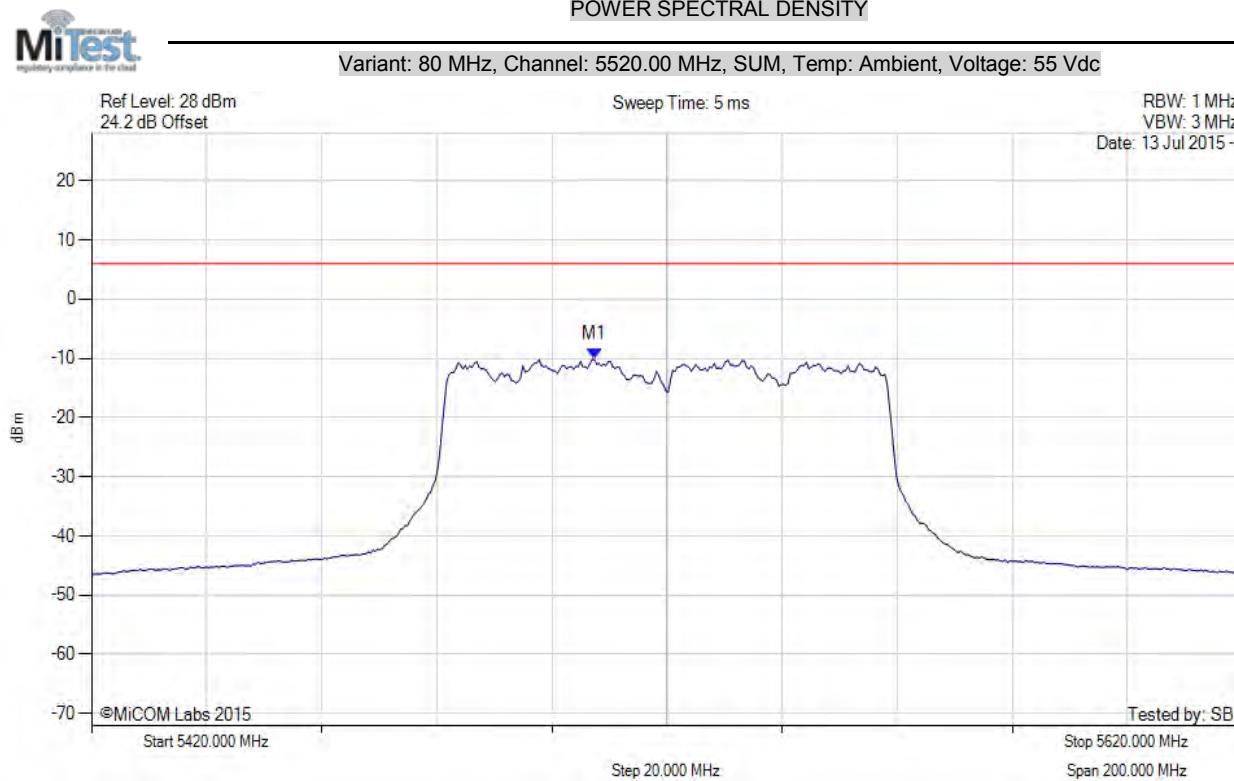
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5494.950 MHz : -12.669 dBm | Limit: ≤ 2.990 dBm |

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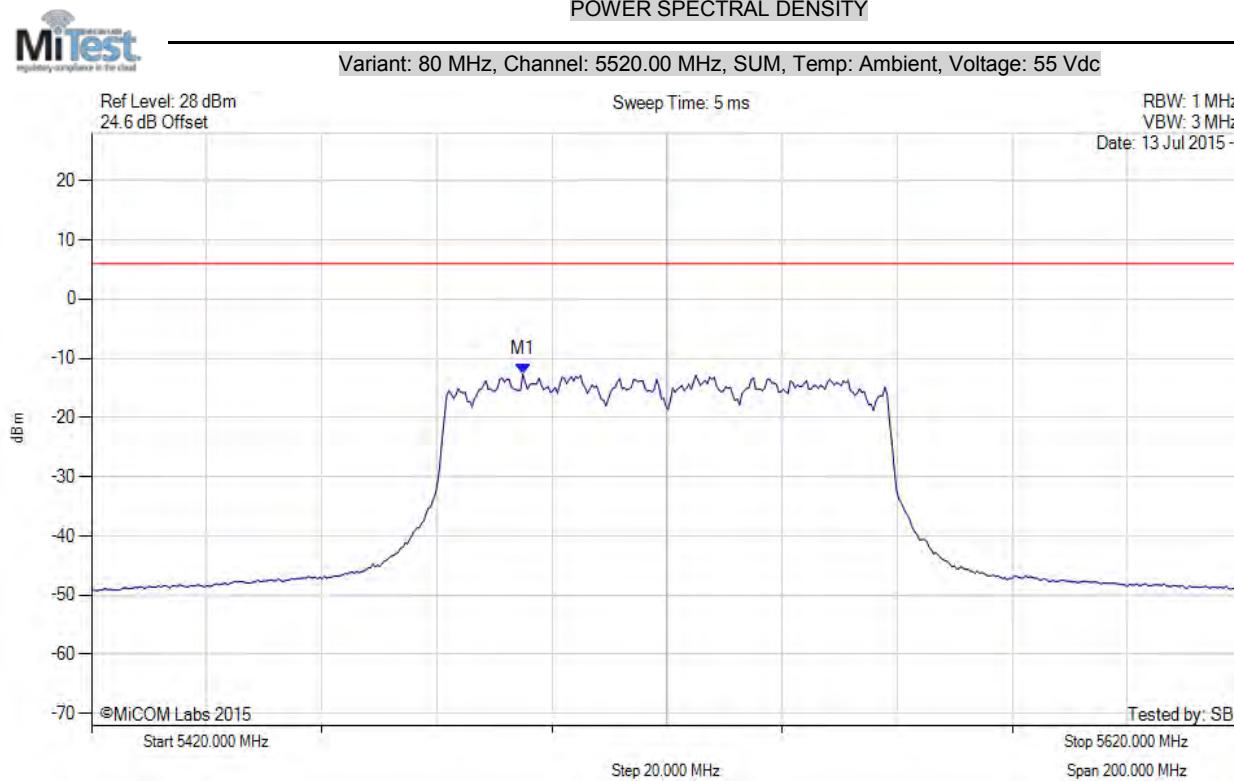
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5507.400 MHz : -10.210 dBm M1 + DCCF : 5507.400 MHz : -8.729 dBm Duty Cycle Correction Factor : +1.49 dB | Limit: ≤ 6.0 dBm Margin: -14.7 dB |

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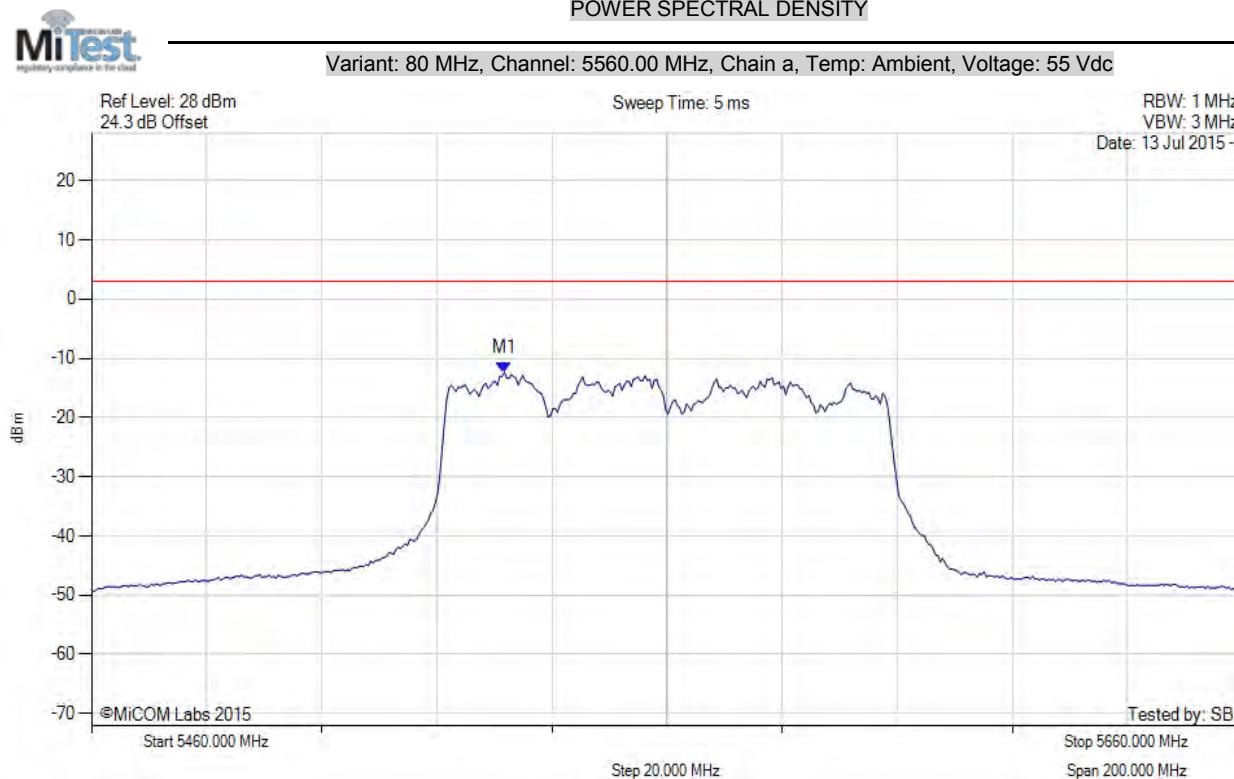
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5494.900 MHz : -12.669 dBm M1 + DCCF : 5494.900 MHz : -11.188 dBm Duty Cycle Correction Factor : +1.49 dB | Limit: ≤ 6.0 dBm Margin: -17.2 dB |

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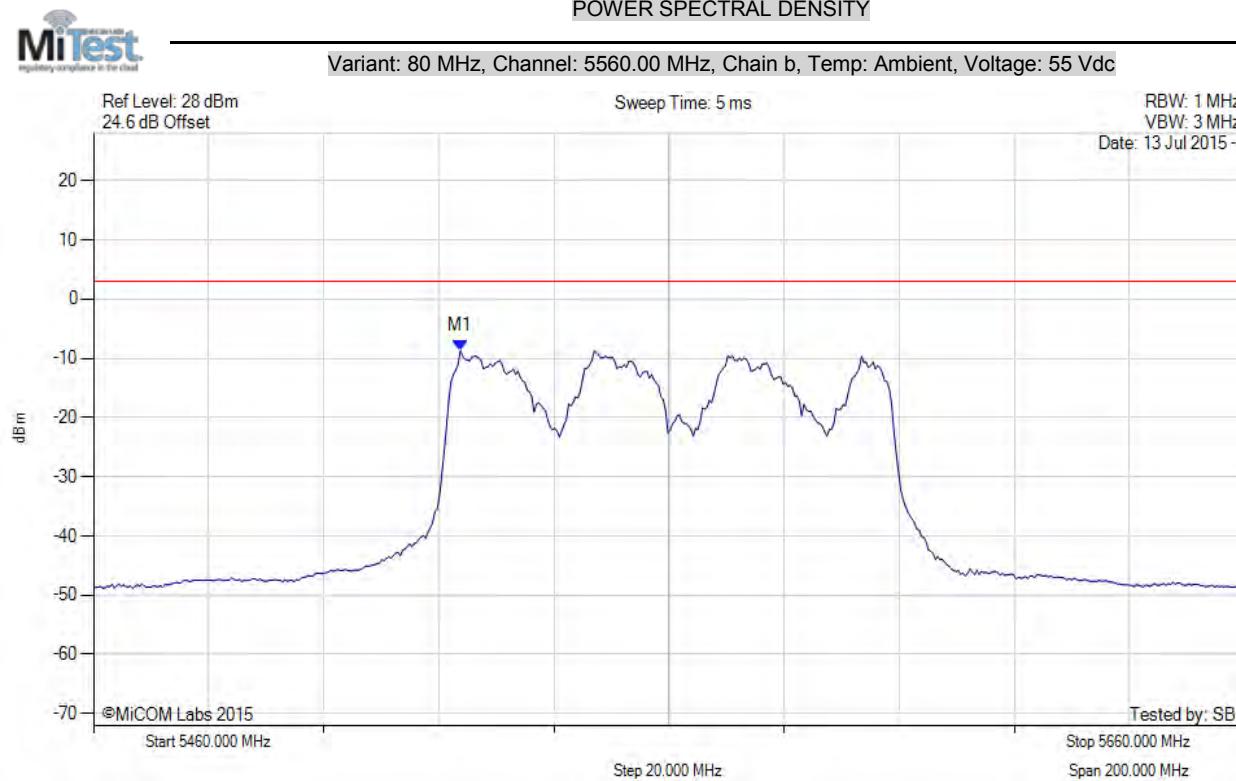
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5531.743 MHz : -12.380 dBm | Limit: ≤ 2.990 dBm |

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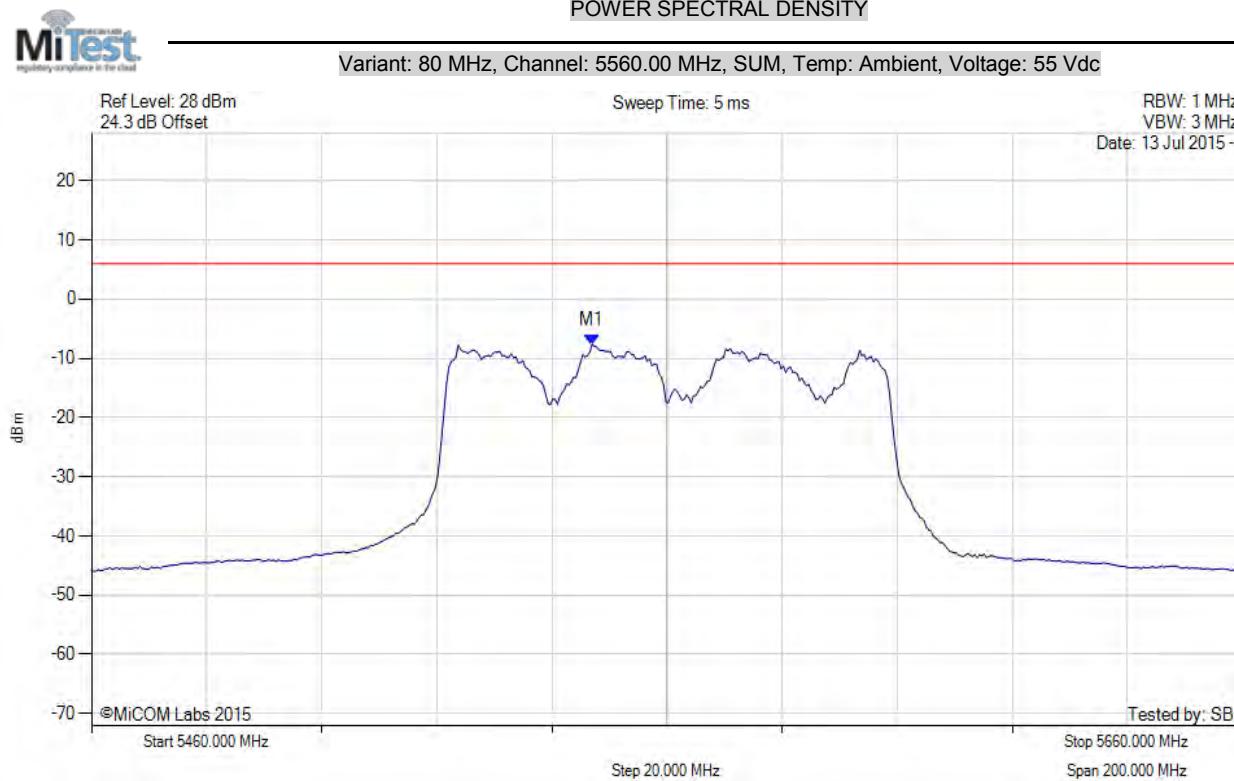
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--------------------------------|--------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5523.727 MHz : -8.739 dBm | Channel Frequency: 5560.00 MHz |

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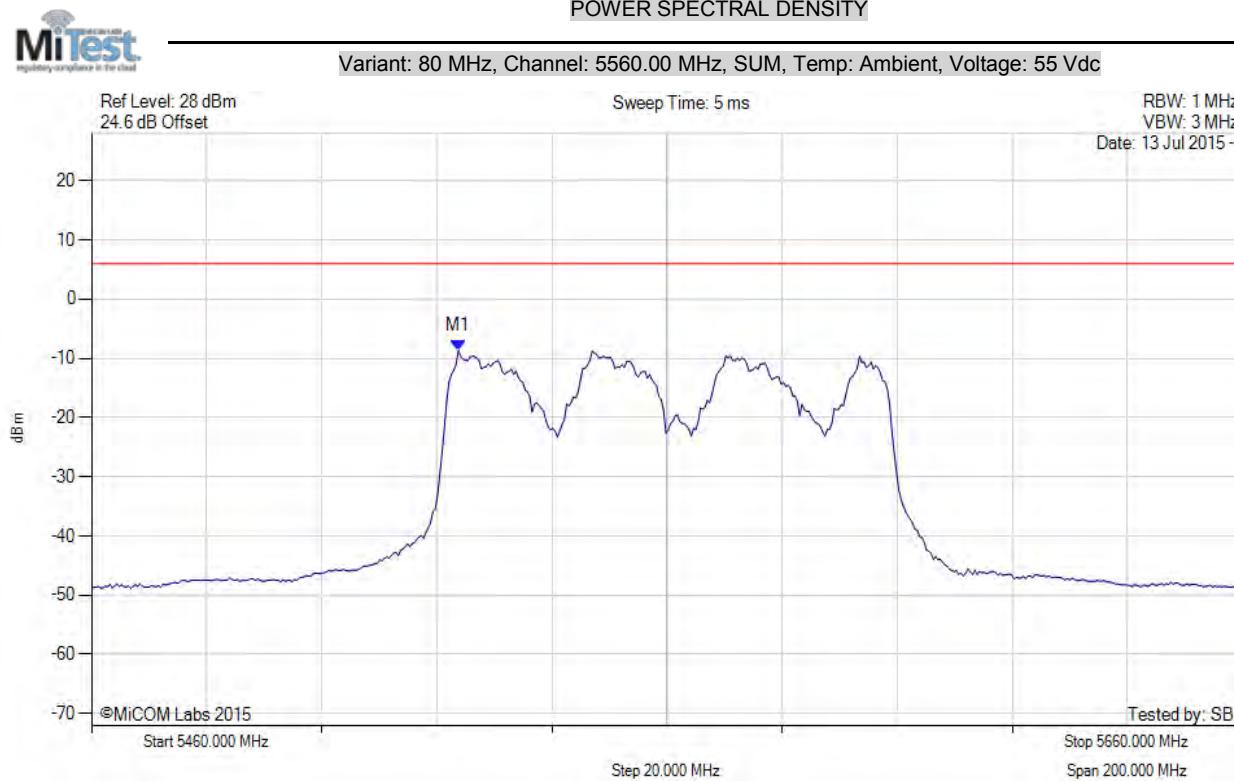
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5547.000 MHz : -7.721 dBm M1 + DCCF : 5547.000 MHz : -6.240 dBm Duty Cycle Correction Factor : +1.49 dB | Limit: ≤ 6.0 dBm Margin: -12.2 dB |

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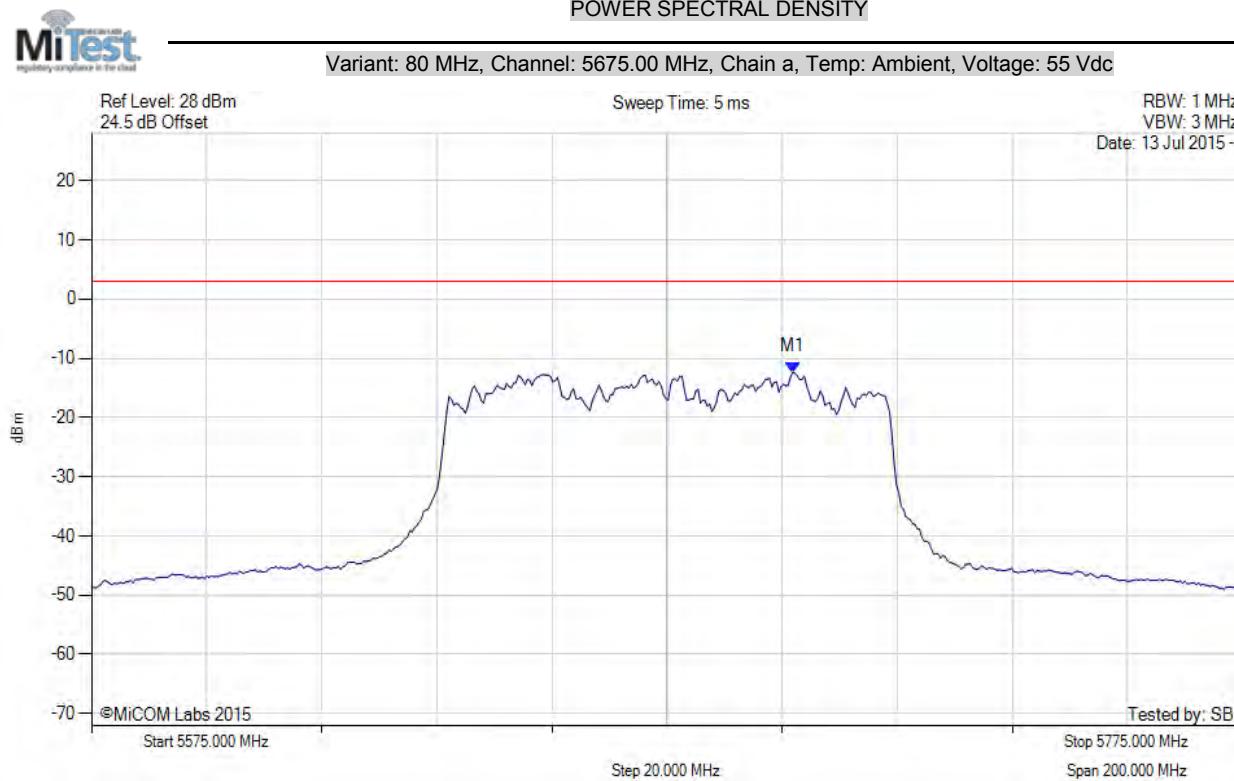
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5523.700 MHz : -8.739 dBm M1 + DCCF : 5523.700 MHz : -7.258 dBm Duty Cycle Correction Factor : +1.49 dB | Limit: ≤ 6.0 dBm Margin: -13.3 dB |

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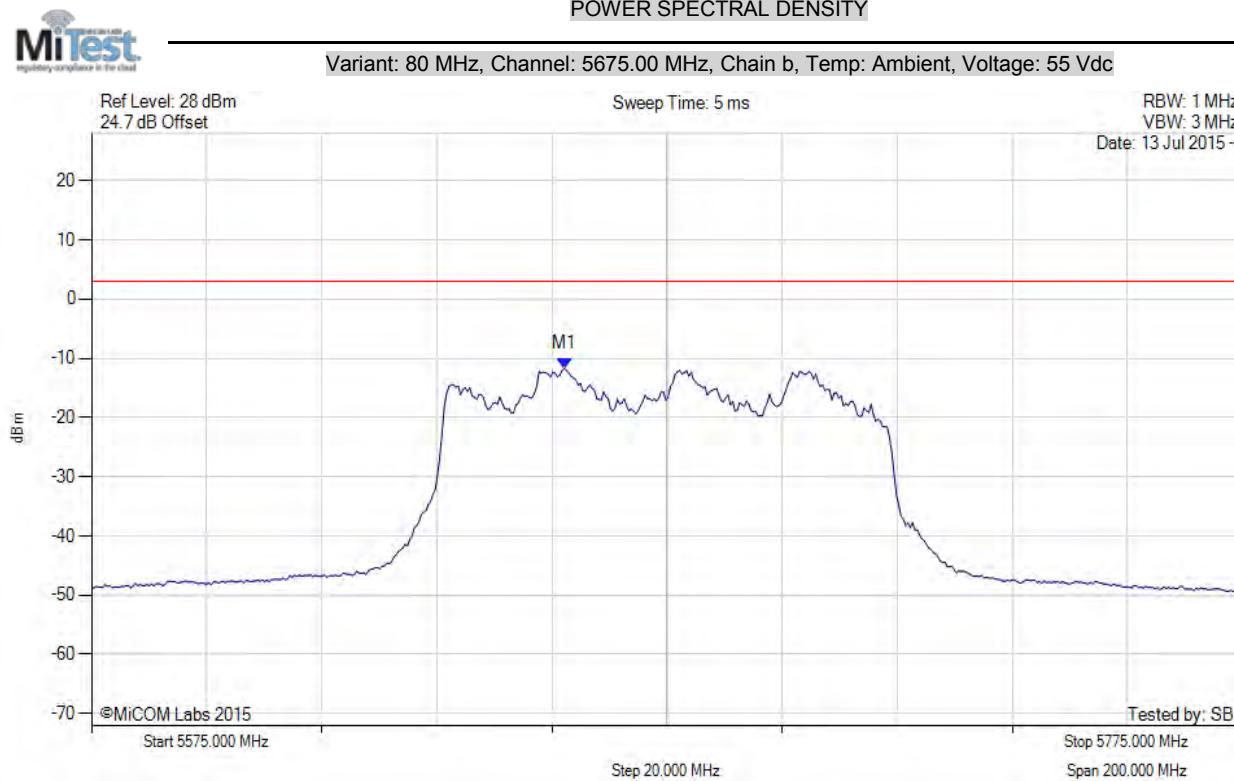
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5696.844 MHz : -12.354 dBm | Limit: ≤ 2.990 dBm |

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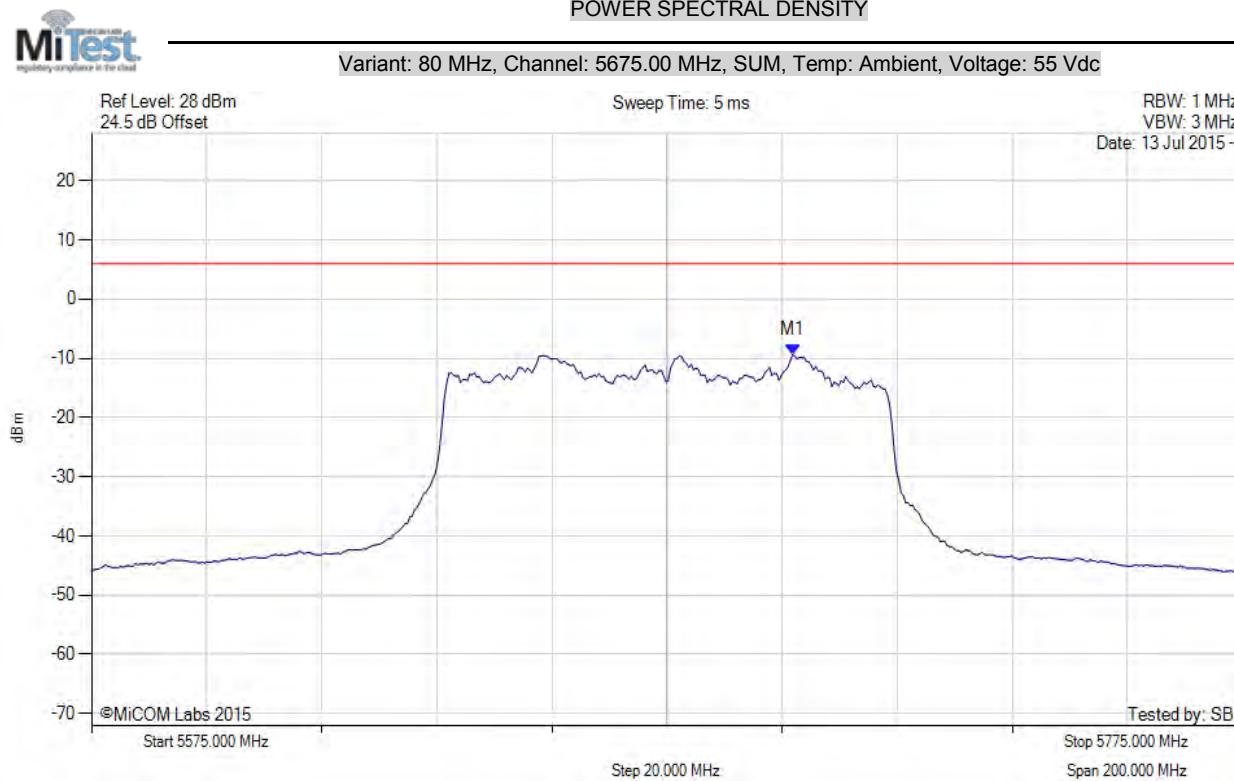
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|---------------------------------|--------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5657.164 MHz : -11.682 dBm | Limit: ≤ 2.990 dBm |

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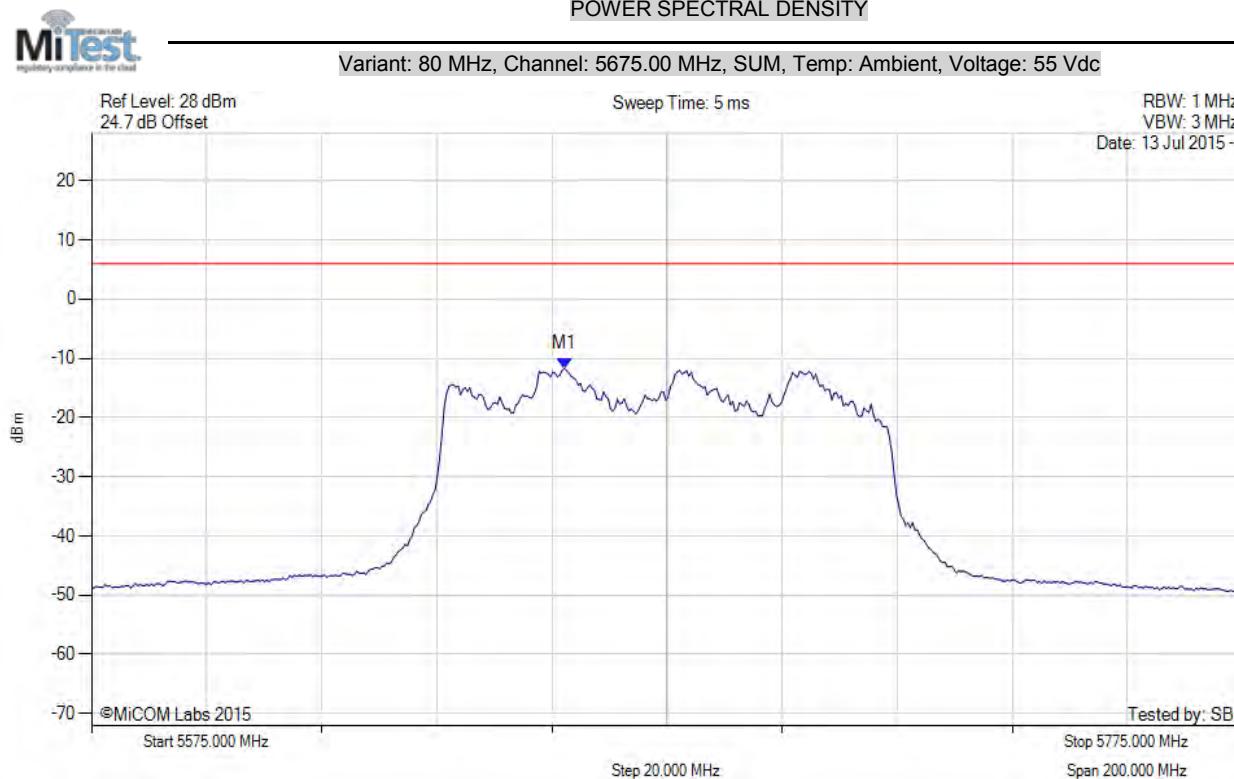
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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5696.800 MHz : -9.372 dBm M1 + DCCF : 5696.800 MHz : -7.891 dBm Duty Cycle Correction Factor : +1.49 dB | Limit: ≤ 6.0 dBm Margin: -13.9 dB |

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| Analyser Setup | Marker:Frequency:Amplitude | Test Results |
|--|--|--------------------------------------|
| Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW | M1 : 5657.200 MHz : -11.682 dBm M1 + DCCF : 5657.200 MHz : -10.201 dBm Duty Cycle Correction Factor : +1.49 dB | Limit: ≤ 6.0 dBm Margin: -16.2 dB |

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575 Boulder Court
Pleasanton, California 94566, USA
Tel: +1 (925) 462 0304
Fax: +1 (925) 462 0306
www.micomlabs.com