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.
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ACCREDITED
TESTING CERT #2381.01

MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

Table of Contents

1. ACCREDITATION, LISTINGS & RECOGNITION....4
1.1. TESTING ACCREDITATION....4
1.2. RECOGNITION....5
1.3. PRODUCT CERTIFICATION....6
2. DOCUMENT HISTORY....7
3. TEST RESULT CERTIFICATE....8
4. REFERENCES AND MEASUREMENT UNCERTAINTY....9
4.1. Normative References....9
4.2. Test and Uncertainty Procedure....10
5. PRODUCT DETAILS AND TEST CONFIGURATIONS....11
5.1. Technical Details....11
5.2. Scope Of Test Program....12
5.3. Equipment Model(s) and Serial Number(s)....13
5.4. Antenna Details....13
5.5. Cabling and I/O Ports....14
5.6. Test Configurations....14
5.7. Equipment Modifications....14
5.8. Deviations from the Test Standard....14
6. TEST SUMMARY....15
7. TEST EQUIPMENT CONFIGURATION(S)....16
7.1. Conducted....16
8. MEASUREMENT AND PRESENTATION OF TEST DATA....18
9. TEST RESULTS....19
9.1. Peak Transmit Power....19
9.2. 26 dB & 99% Bandwidth....31
9.3. Power Spectral Density....42
A. APPENDIX - GRAPHICAL IMAGES....54
A.1. 26 dB & 99% Bandwidth....55
A.2. Power Spectral Density....115

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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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for technical competence in the field of

Electrical Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).

Presented this 28th day of February 2014.

President & CEO
For the Accreditation Council
Certificate Number 2381.01
Valid to December 31, 2015
Revised November 18, 2015

For the tests or types of tests to which this accreditation applies, please refer to the laboratory's Electrical Scope of Accreditation.

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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



Accredited Product Certification Body

A2LA has accredited

MICOM LABS

Pleasanton, CA

This product certification body is accredited in accordance with the recognized International Standard ISO/IEC 17065:2012 *Requirements for bodies certifying products, processes and services*. This accreditation demonstrates technical competence for a defined scope and the operation of a management system.

Presented this 28th day of February 2014.

President & CEO
For the Accreditation Council
Certificate Number 2381.02
Valid to December 31, 2015
Revised November 18, 2015

For the product certification schemes to which this accreditation applies, please refer to the organization's Product Certification Scope of Accreditation.

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

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:** **Fax:**	+1 925 462 0304 +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.

A2LA ACCREDITED TESTING CERT #2381.01

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):	10th – 14th 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

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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

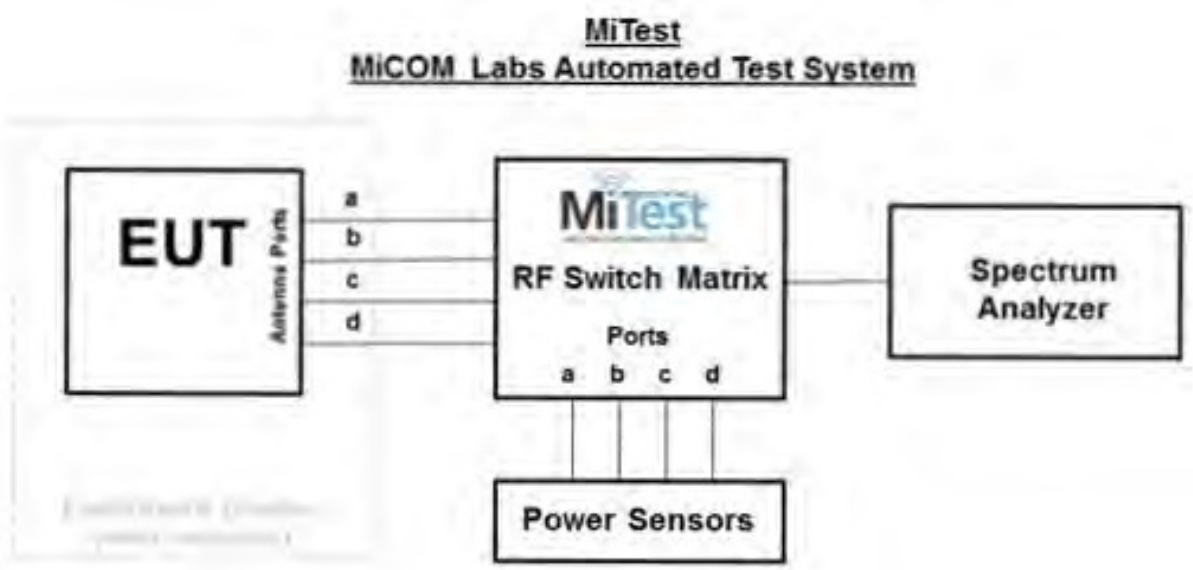
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7. TEST EQUIPMENT CONFIGURATION(S)

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



Conducted Test Measurement Setup

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/Thermometer	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. (ºC):**	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*Log10 ($10^{a/10}$ + $10^{b/10}$ + $10^{c/10}$ + $10^{d/10}$)]
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 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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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) Port(s)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
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. (ºC):**	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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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).

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.

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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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) Port(s)				26 dB Bandwidth (MHz)			
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) Port(s)				99% Bandwidth (MHz)			
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. (ºC):**	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 (å) 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*Log10 ($10^{a/10}$ + $10^{b/10}$ + $10^{c/10}$ + $10^{d/10}$)]
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 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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+0.51 dB)	Limit	Margin
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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+0.66 dB)	Limit	Margin
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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+0.92 dB)	Limit	Margin
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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+0.46 dB)	Limit	Margin
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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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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+1.43 dB)	Limit	Margin
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

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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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+0.51 dB)	Limit	Margin
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

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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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+0.66 dB)	Limit	Margin
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

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 (%):**	80.6
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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+0.92 dB)	Limit	Margin
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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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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+0.46 dB)	Limit	Margin
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

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:	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 Port(s) (dBm/MHz)				Amplitude Summation + DCCF (+1.49 dB)	Limit	Margin
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

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

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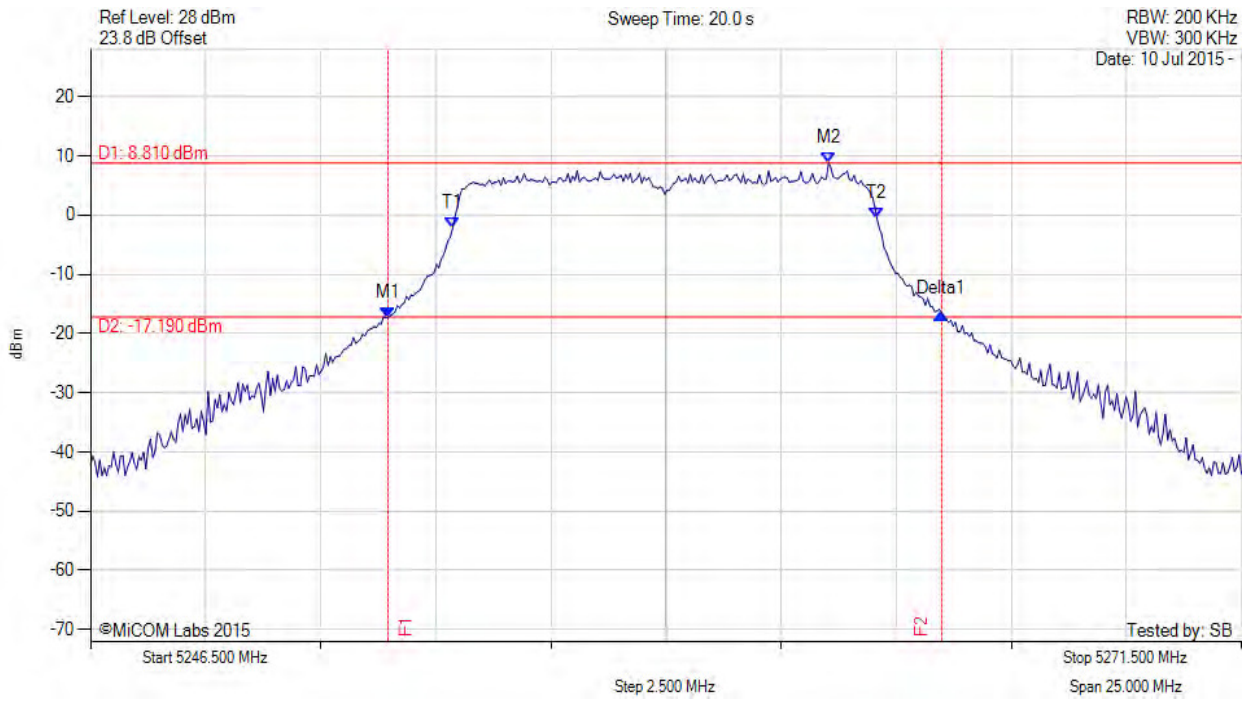
A. APPENDIX - GRAPHICAL IMAGES

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A.1. 26 dB & 99% Bandwidth

26 dB & 99% BANDWIDTH

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



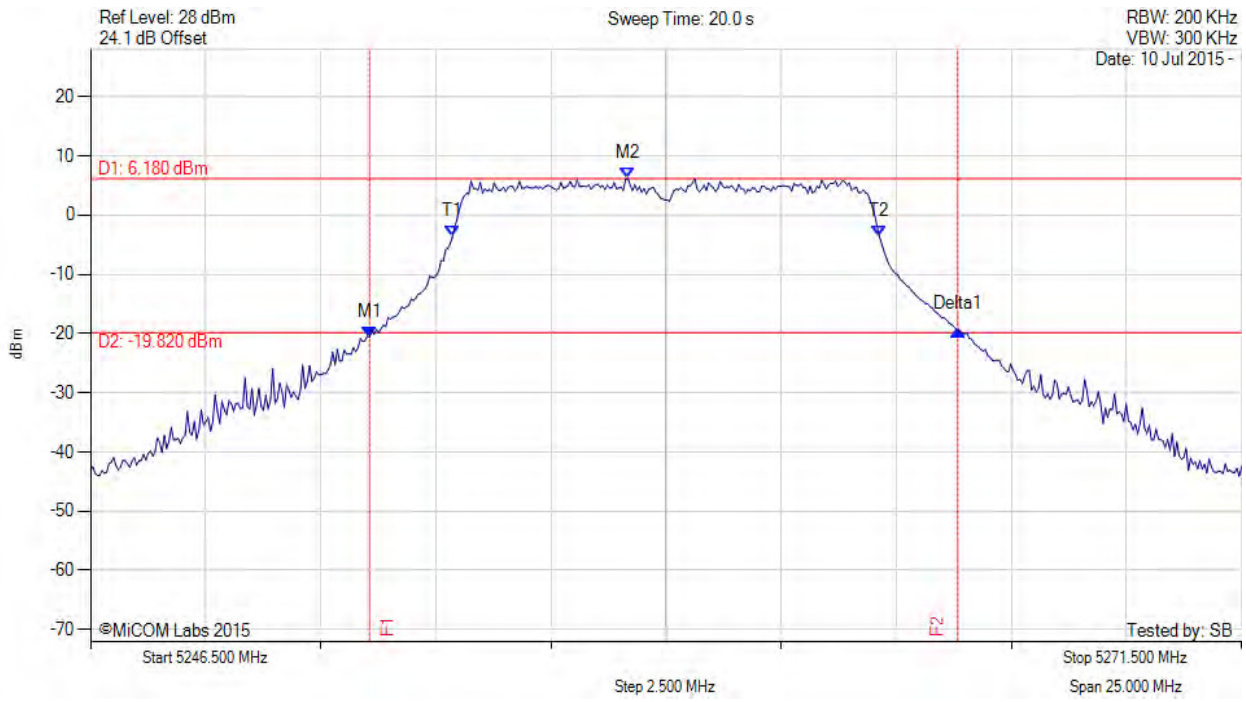
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5252.963 MHz : -17.316 dBm M2 : 5262.532 MHz : 8.810 dBm Delta1 : 12.024 MHz : 0.736 dB T1 : 5254.366 MHz : -2.240 dBm T2 : 5263.584 MHz : -0.627 dBm OBW : 9.218 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

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



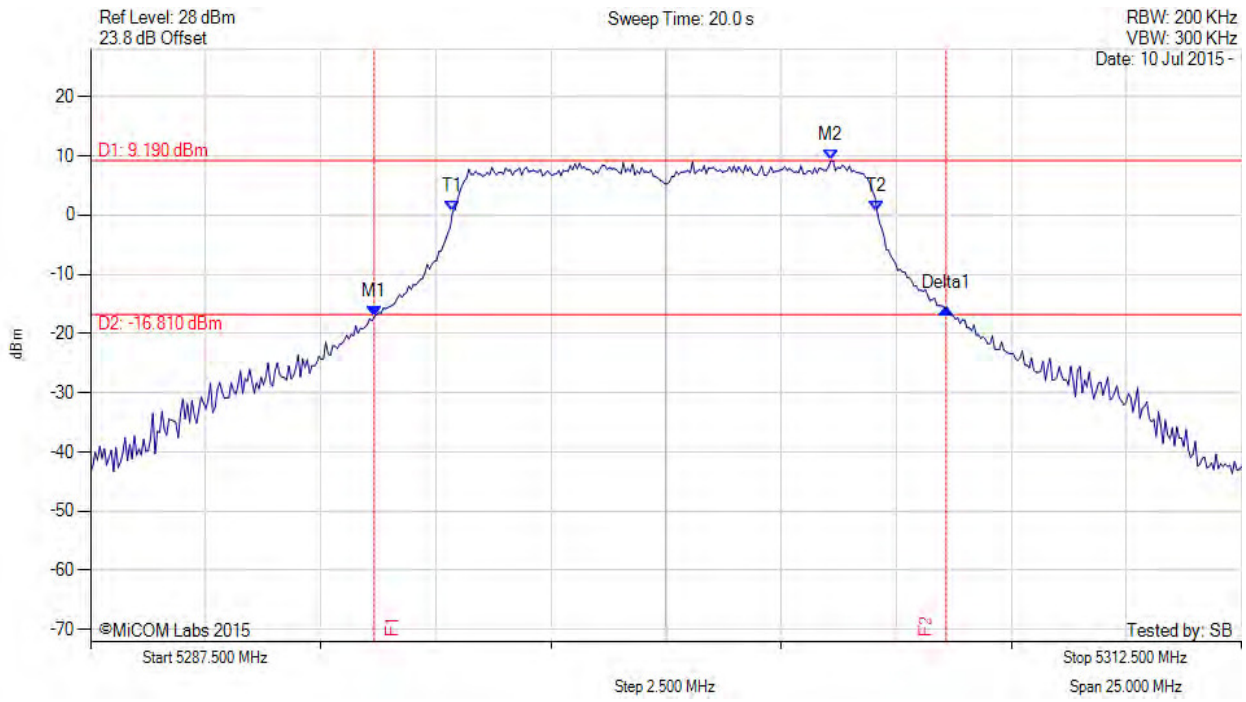
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5252.562 MHz : -20.604 dBm M2 : 5258.173 MHz : 6.180 dBm Delta1 : 12.776 MHz : 1.249 dB T1 : 5254.366 MHz : -3.525 dBm T2 : 5263.634 MHz : -3.566 dBm OBW : 9.269 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



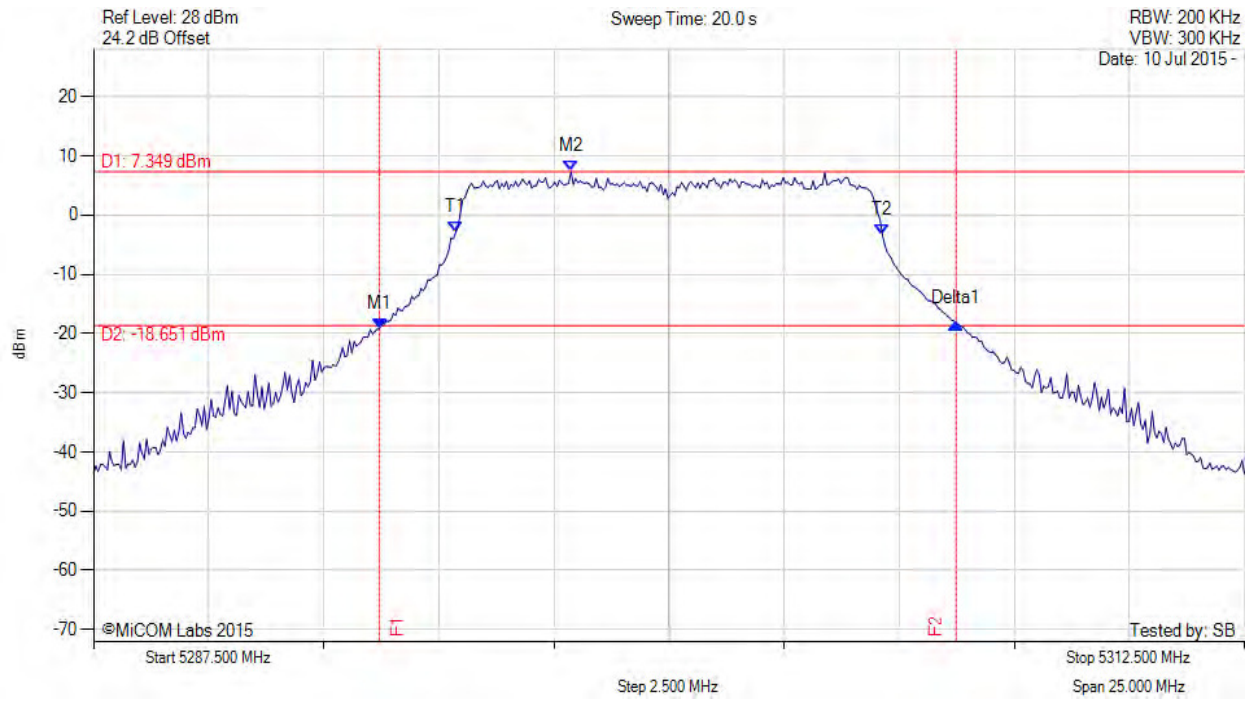
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5293.662 MHz : -17.218 dBm M2 : 5303.582 MHz : 9.190 dBm Delta1 : 12.425 MHz : 1.584 dB T1 : 5295.366 MHz : 0.618 dBm T2 : 5304.584 MHz : 0.703 dBm OBW : 9.218 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



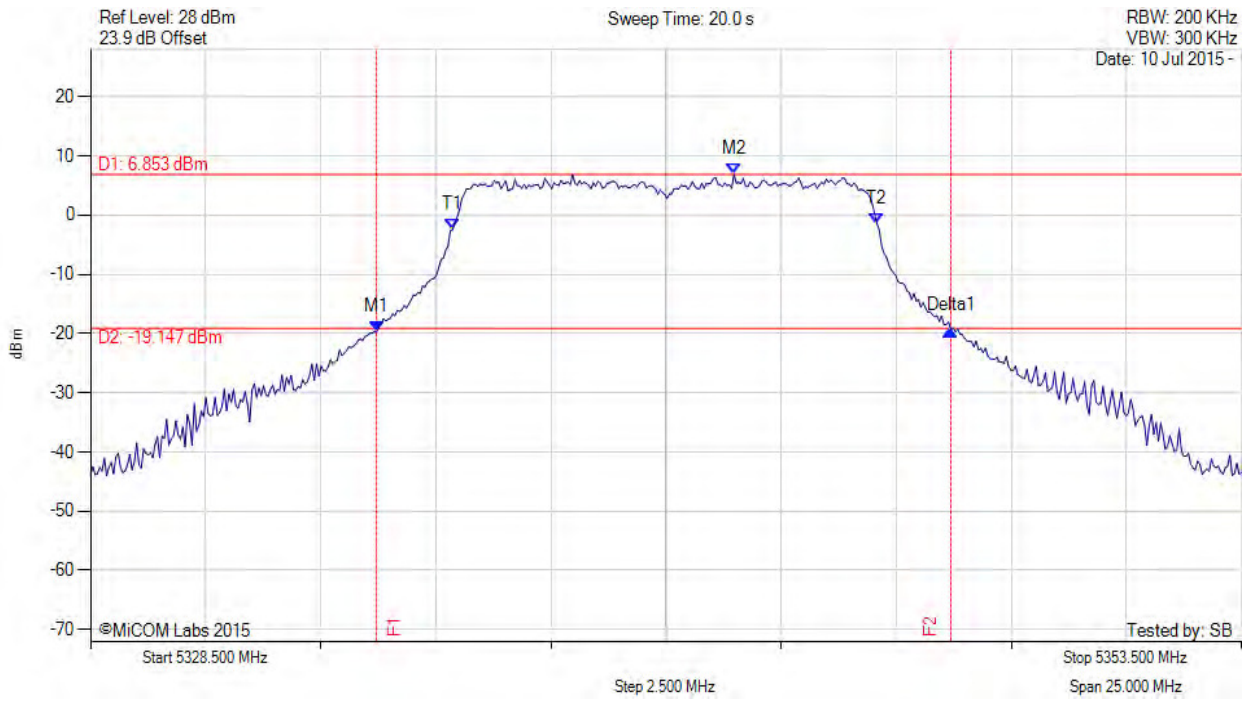
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5293.712 MHz : -19.175 dBm M2 : 5297.871 MHz : 7.349 dBm Delta1 : 12.525 MHz : 0.862 dB T1 : 5295.366 MHz : -2.954 dBm T2 : 5304.634 MHz : -3.275 dBm OBW : 9.269 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5341.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



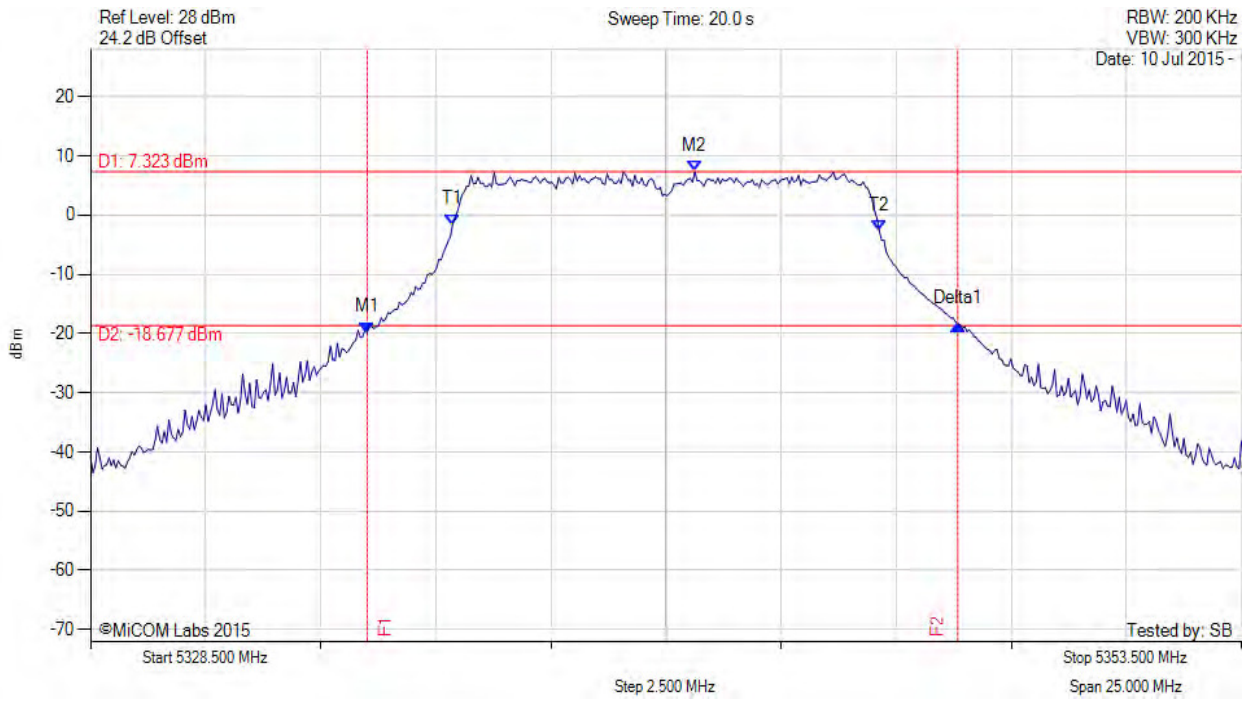
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5334.712 MHz : -19.758 dBm M2 : 5342.478 MHz : 6.853 dBm Delta1 : 12.475 MHz : 0.334 dB T1 : 5336.366 MHz : -2.451 dBm T2 : 5345.584 MHz : -1.451 dBm OBW : 9.218 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5341.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



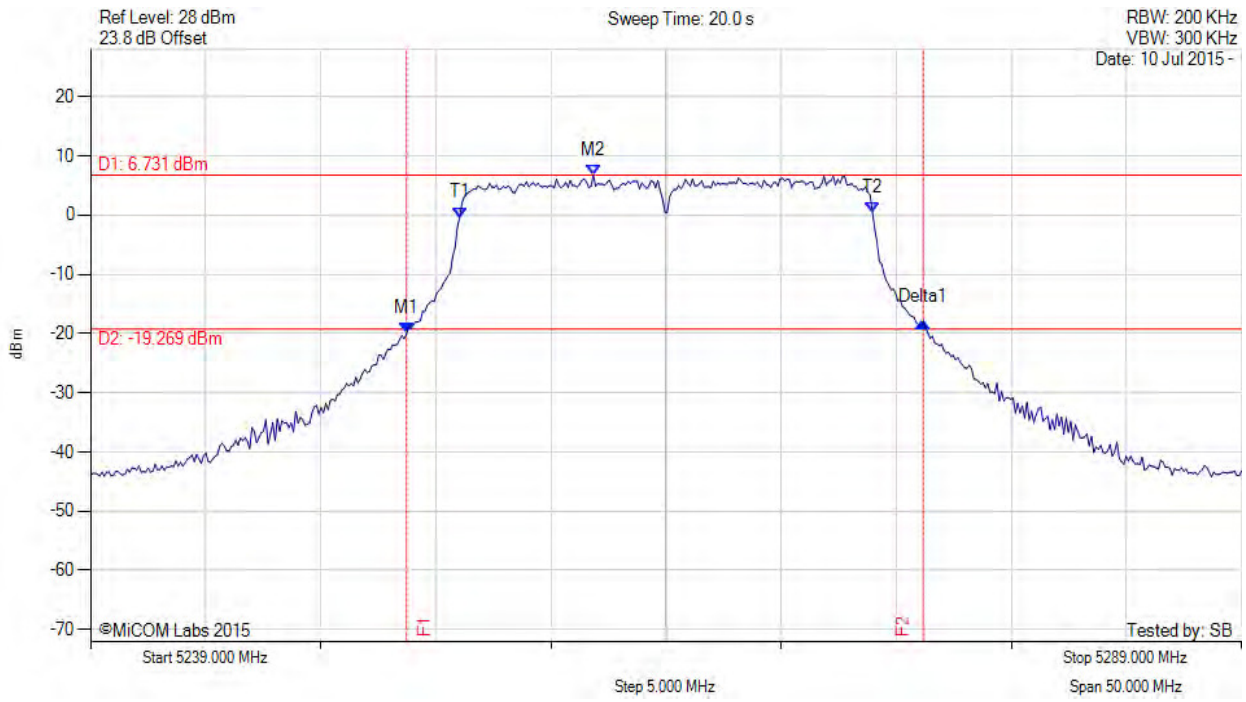
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5334.512 MHz : -19.813 dBm M2 : 5341.626 MHz : 7.323 dBm Delta1 : 12.826 MHz : 1.389 dB T1 : 5336.366 MHz : -1.583 dBm T2 : 5345.634 MHz : -2.746 dBm OBW : 9.269 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5264.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



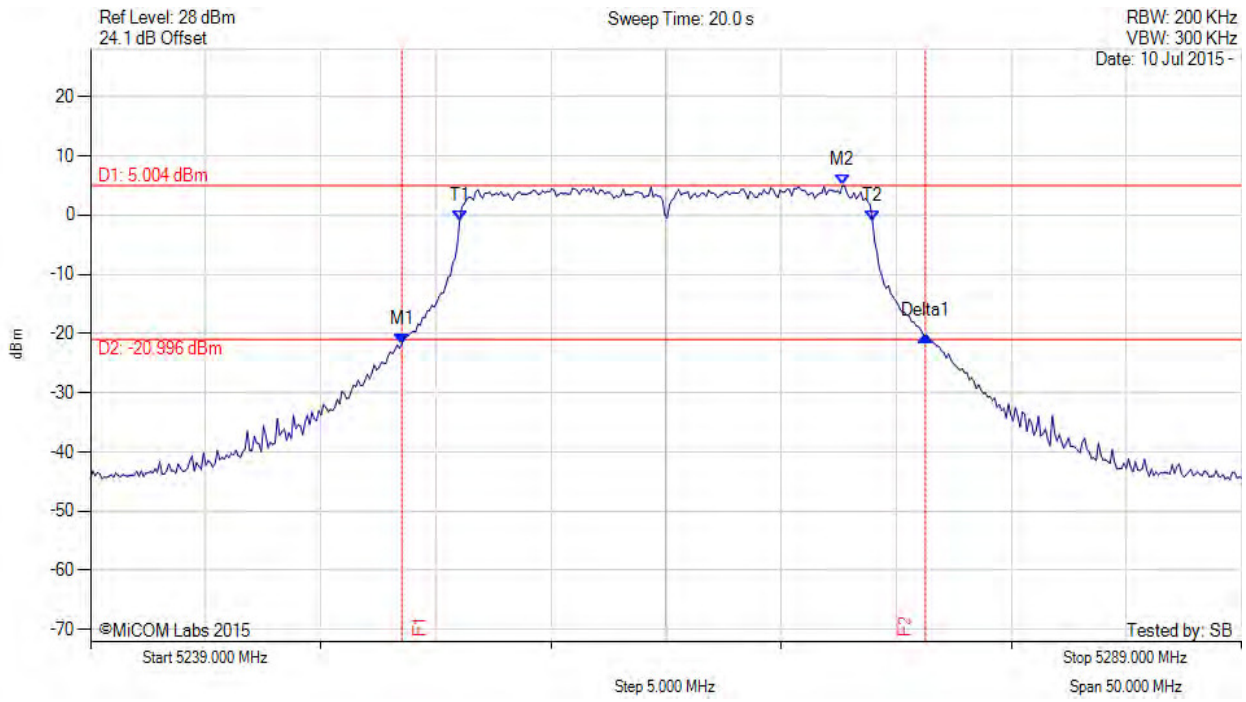
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5252.727 MHz : -20.033 dBm M2 : 5260.844 MHz : 6.731 dBm Delta1 : 22.445 MHz : 1.975 dB T1 : 5255.032 MHz : -0.420 dBm T2 : 5272.968 MHz : 0.459 dBm OBW : 17.936 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5264.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



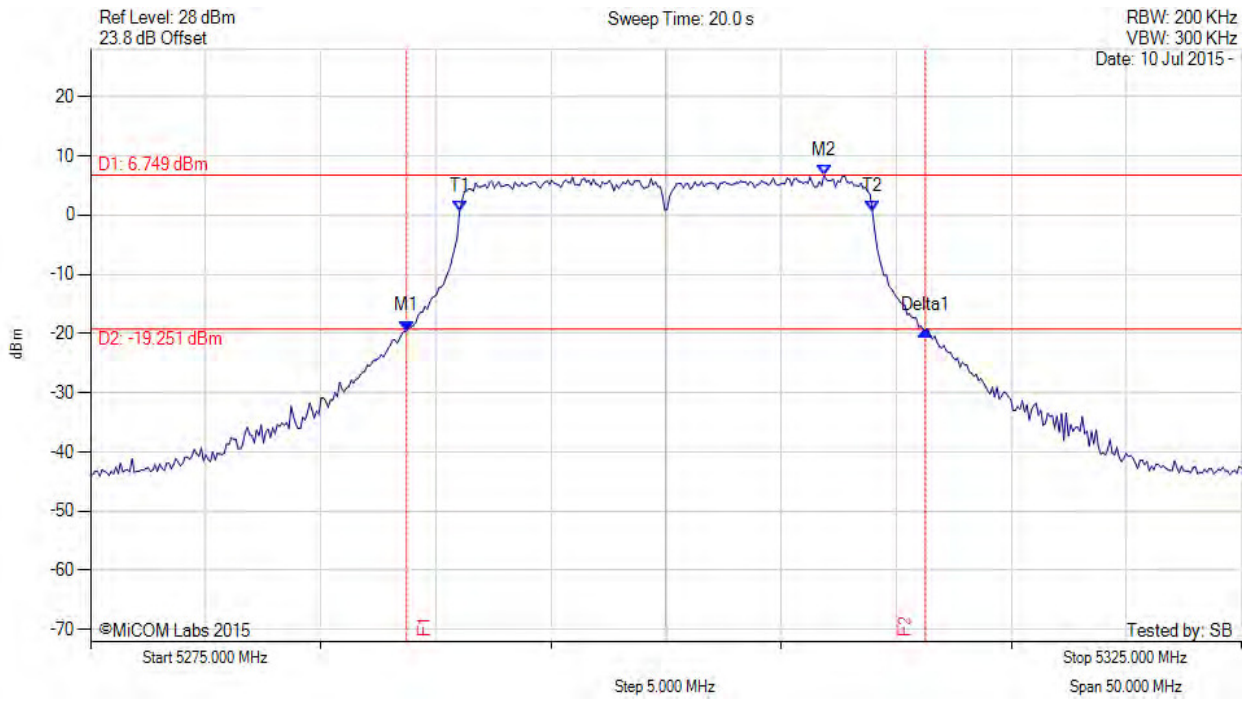
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5252.527 MHz : -21.760 dBm M2 : 5271.665 MHz : 5.004 dBm Delta1 : 22.745 MHz : 1.348 dB T1 : 5255.032 MHz : -1.013 dBm T2 : 5272.968 MHz : -1.017 dBm OBW : 17.936 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



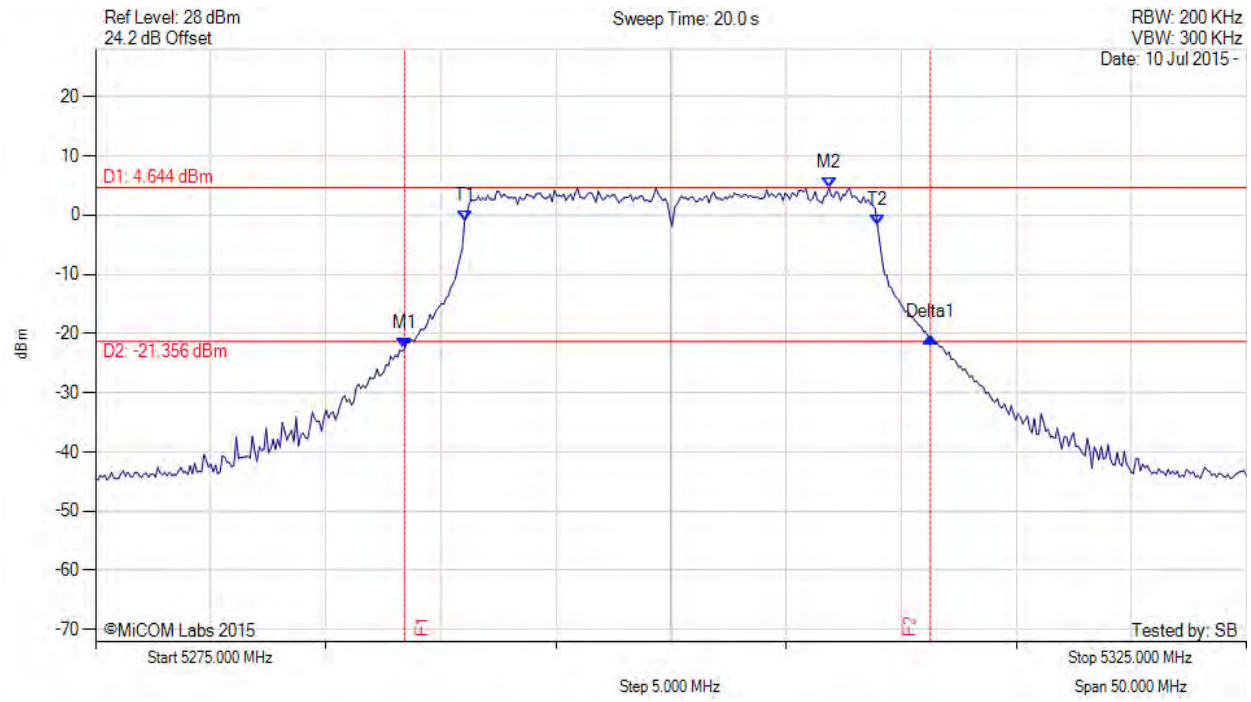
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.727 MHz : -19.584 dBm M2 : 5306.864 MHz : 6.749 dBm Delta1 : 22.545 MHz : 0.045 dB T1 : 5291.032 MHz : 0.673 dBm T2 : 5308.968 MHz : 0.557 dBm OBW : 17.936 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



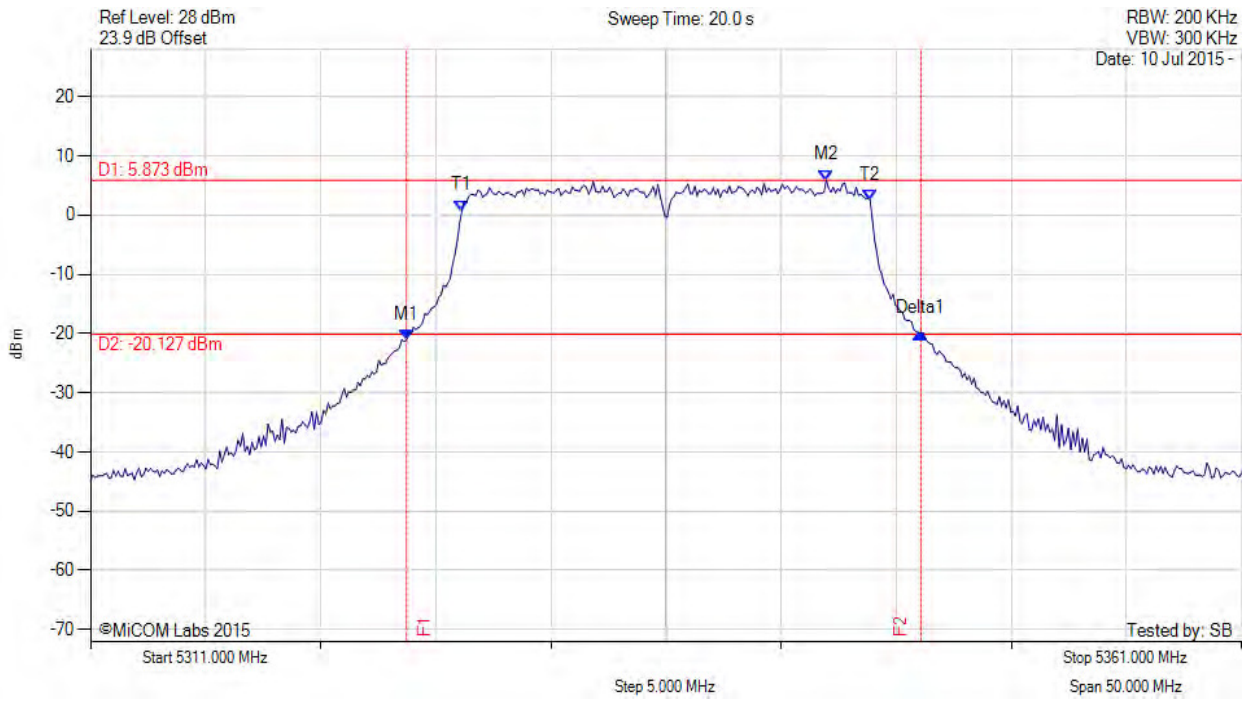
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.427 MHz : -22.524 dBm M2 : 5306.864 MHz : 4.644 dBm Delta1 : 22.846 MHz : 1.828 dB T1 : 5291.032 MHz : -1.052 dBm T2 : 5308.968 MHz : -1.762 dBm OBW : 17.936 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5336.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



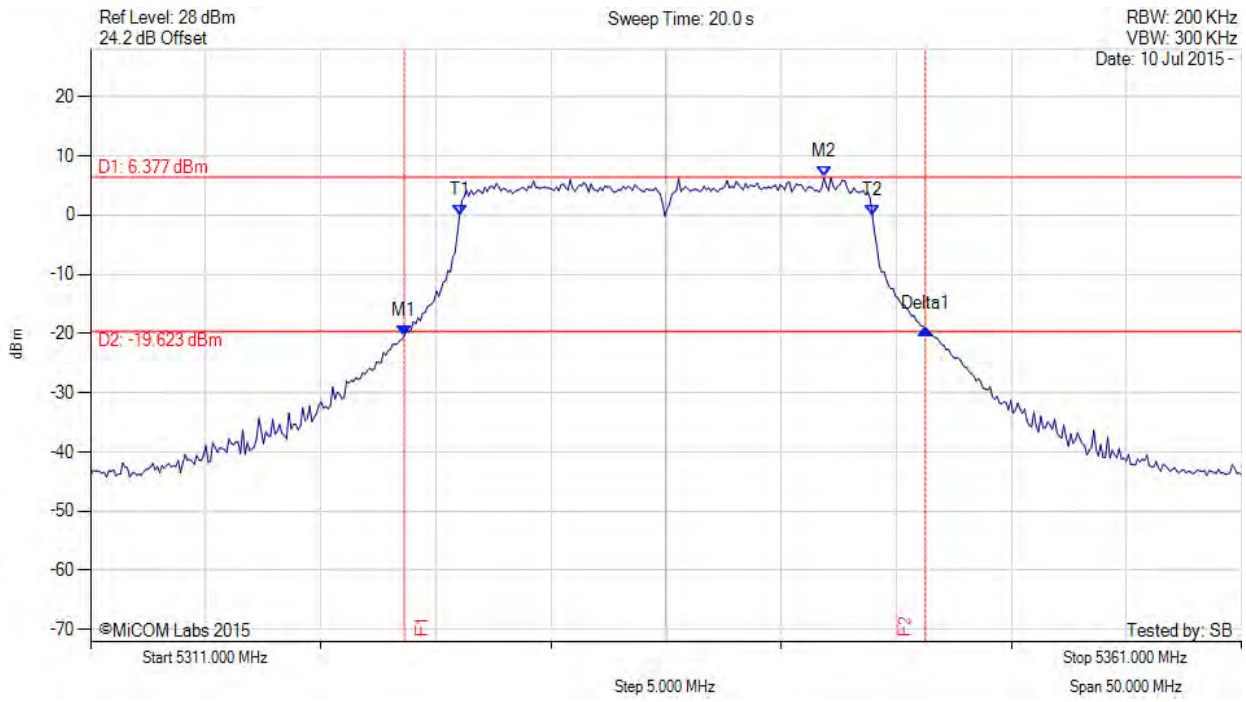
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5324.727 MHz : -21.019 dBm M2 : 5342.964 MHz : 5.873 dBm Delta1 : 22.345 MHz : 1.084 dB T1 : 5327.132 MHz : 0.746 dBm T2 : 5344.868 MHz : 2.517 dBm OBW : 17.735 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5336.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



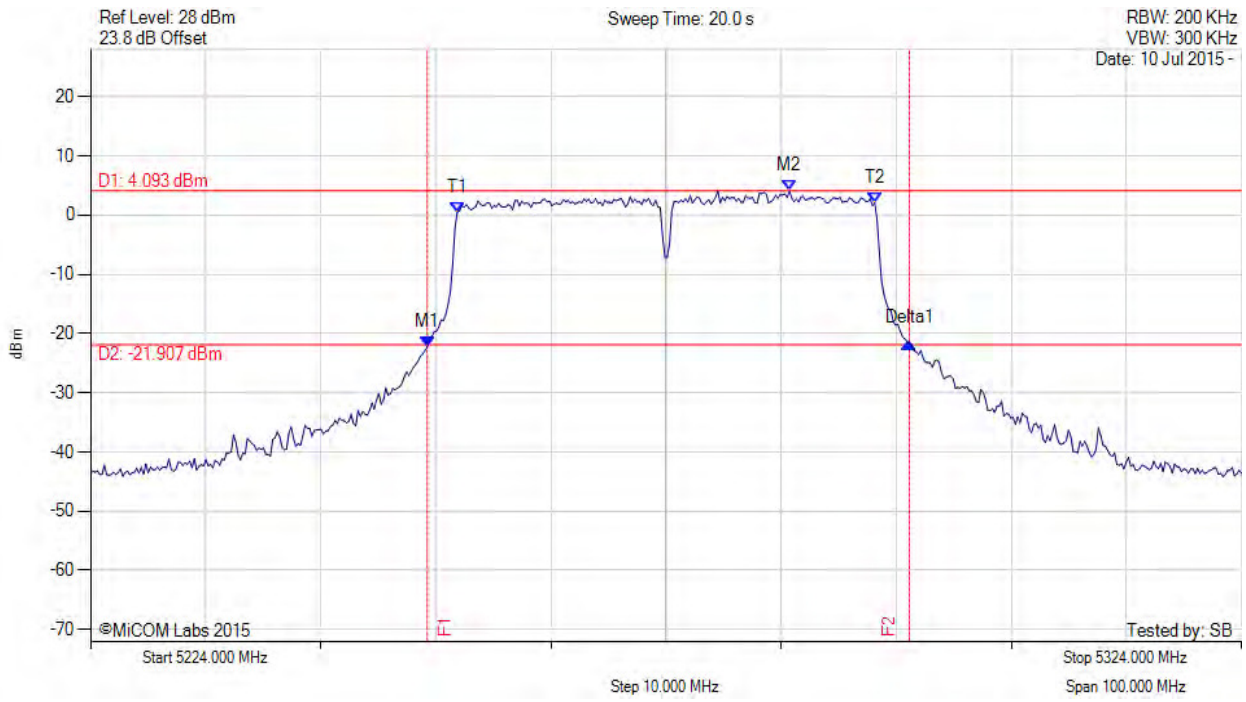
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5324.627 MHz : -20.379 dBm M2 : 5342.864 MHz : 6.377 dBm Delta1 : 22.645 MHz : 1.098 dB T1 : 5327.032 MHz : 0.024 dBm T2 : 5344.968 MHz : -0.159 dBm OBW : 17.936 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5274.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



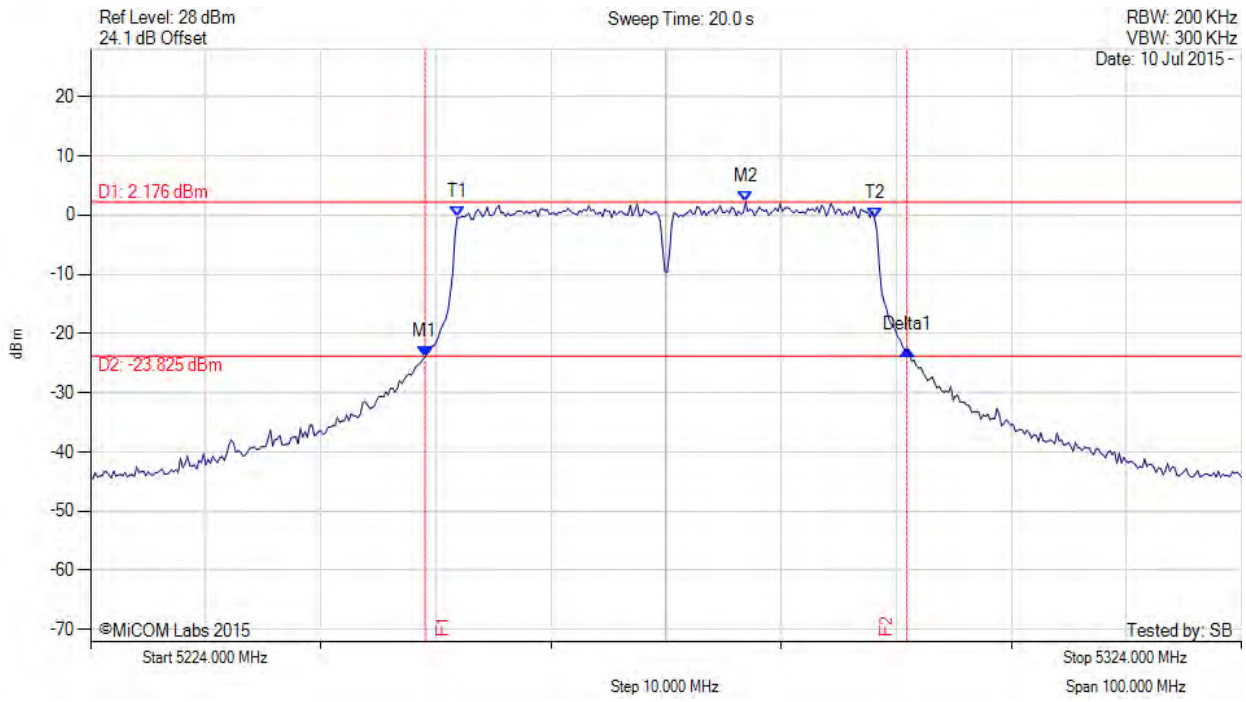
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5253.259 MHz : -22.264 dBm M2 : 5284.721 MHz : 4.093 dBm Delta1 : 41.884 MHz : 0.667 dB T1 : 5255.864 MHz : 0.494 dBm T2 : 5292.136 MHz : 2.084 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5274.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



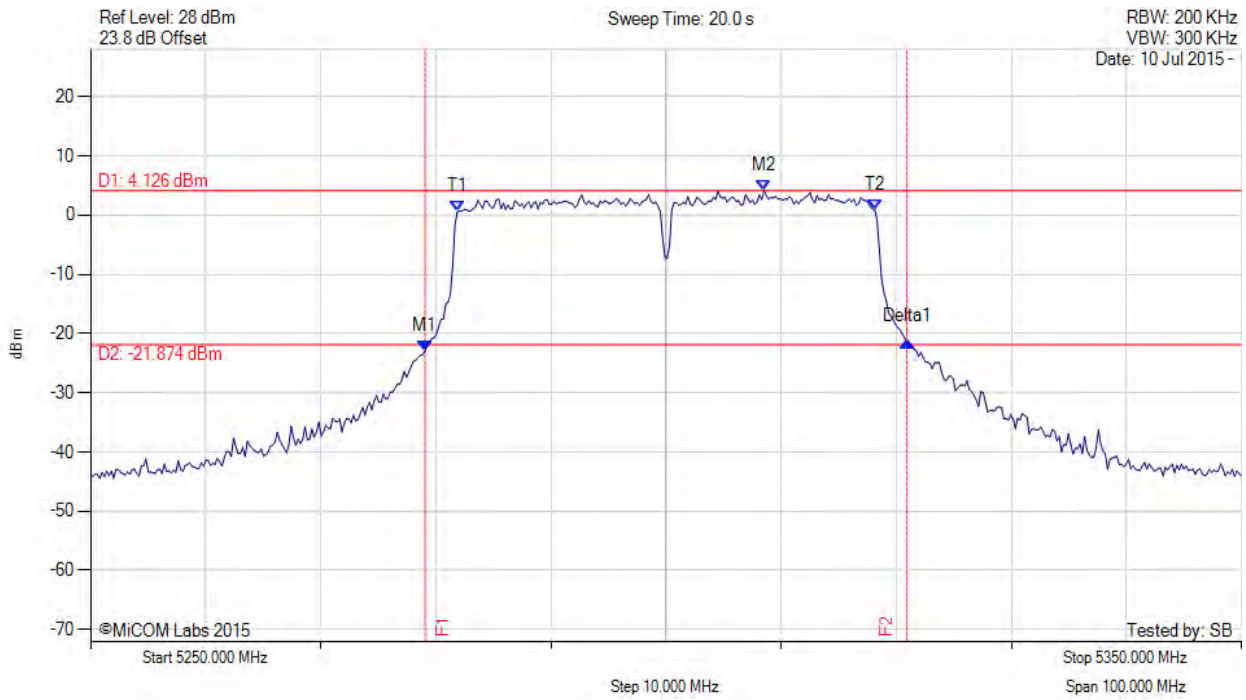
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5253.058 MHz : -23.930 dBm M2 : 5280.914 MHz : 2.176 dBm Delta1 : 41.884 MHz : 1.096 dB T1 : 5255.864 MHz : -0.363 dBm T2 : 5292.136 MHz : -0.637 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



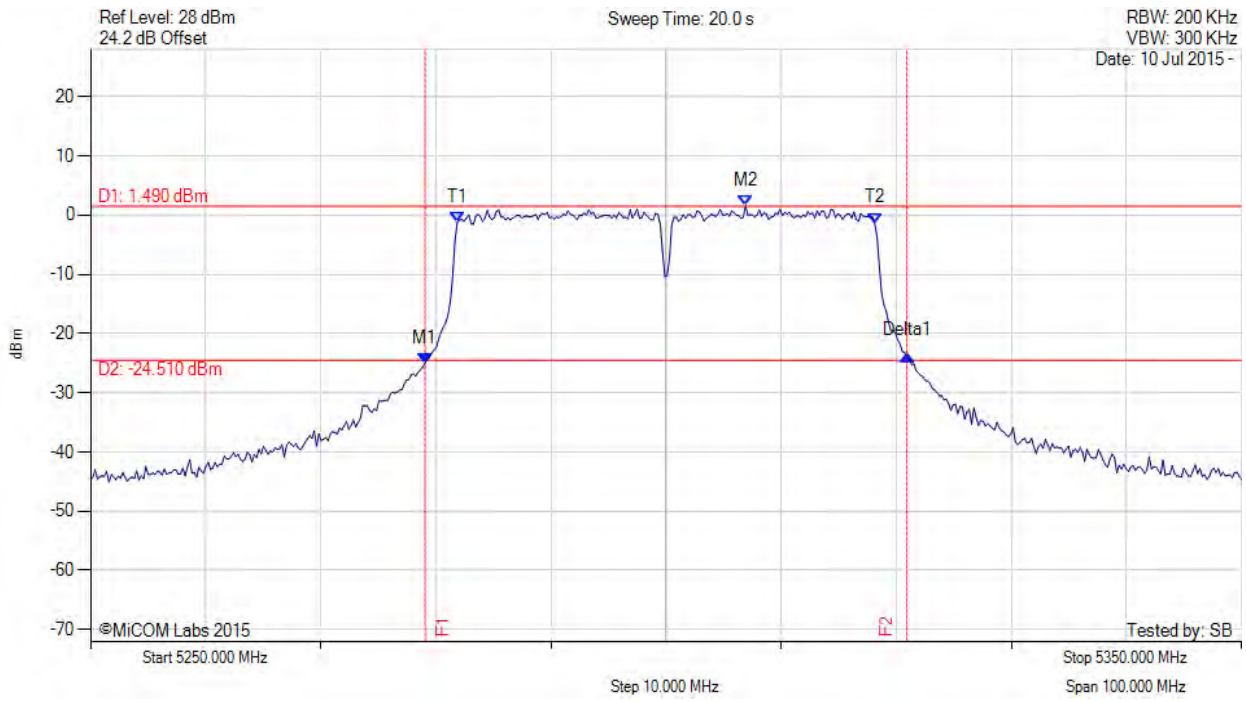
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5279.058 MHz : -22.958 dBm M2 : 5308.517 MHz : 4.126 dBm Delta1 : 41.884 MHz : 1.527 dB T1 : 5281.864 MHz : 0.553 dBm T2 : 5318.136 MHz : 0.947 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



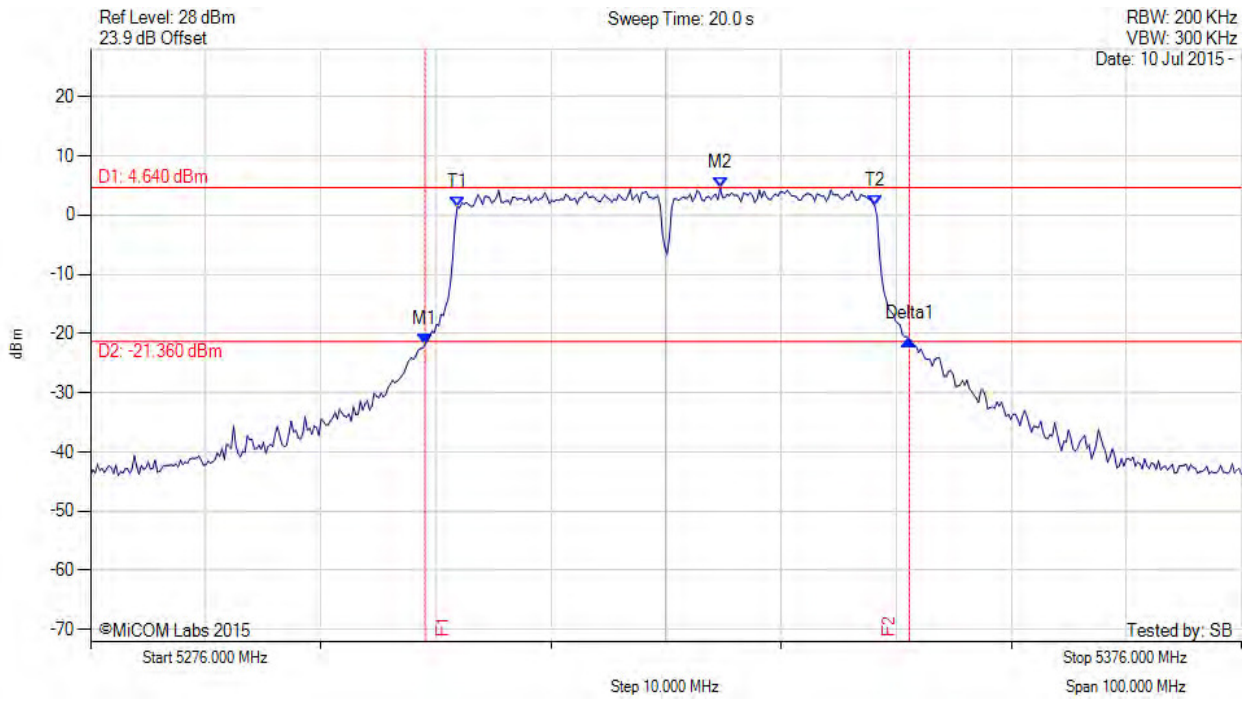
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5279.058 MHz : -25.034 dBm M2 : 5306.914 MHz : 1.490 dBm Delta1 : 41.884 MHz : 1.340 dB T1 : 5281.864 MHz : -1.184 dBm T2 : 5318.136 MHz : -1.369 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5326.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



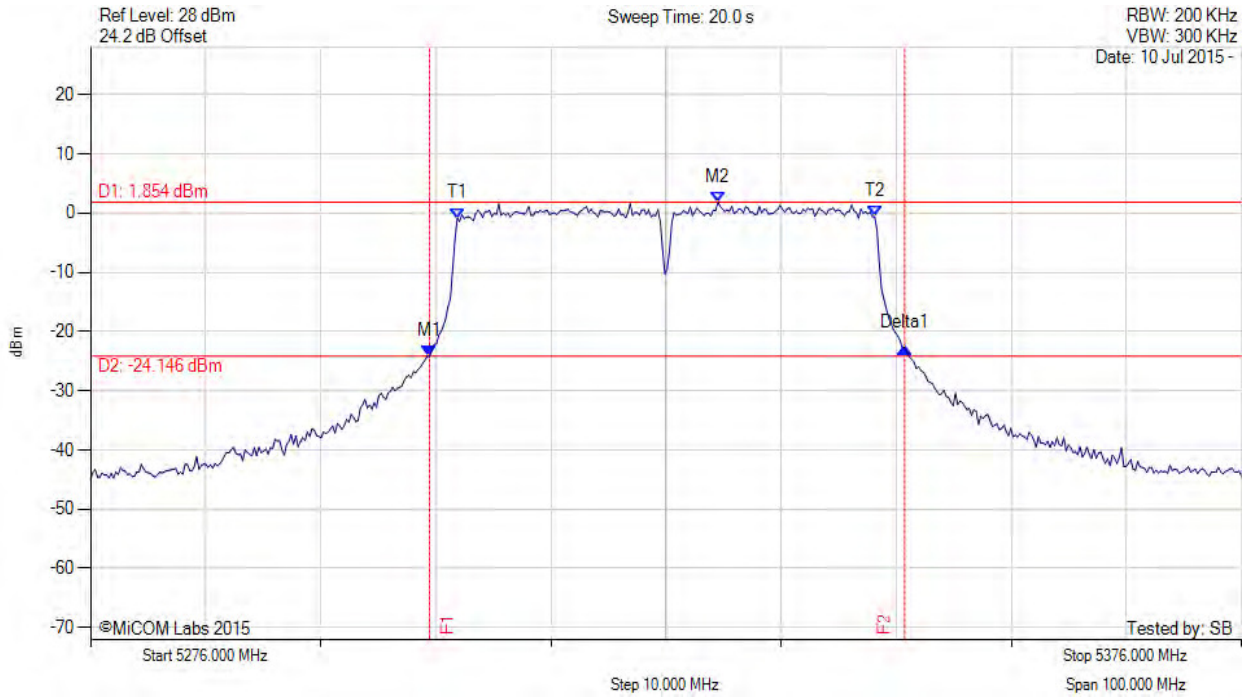
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5305.058 MHz : -21.808 dBm M2 : 5330.709 MHz : 4.640 dBm Delta1 : 42.084 MHz : 0.807 dB T1 : 5307.864 MHz : 1.305 dBm T2 : 5344.136 MHz : 1.576 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5326.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



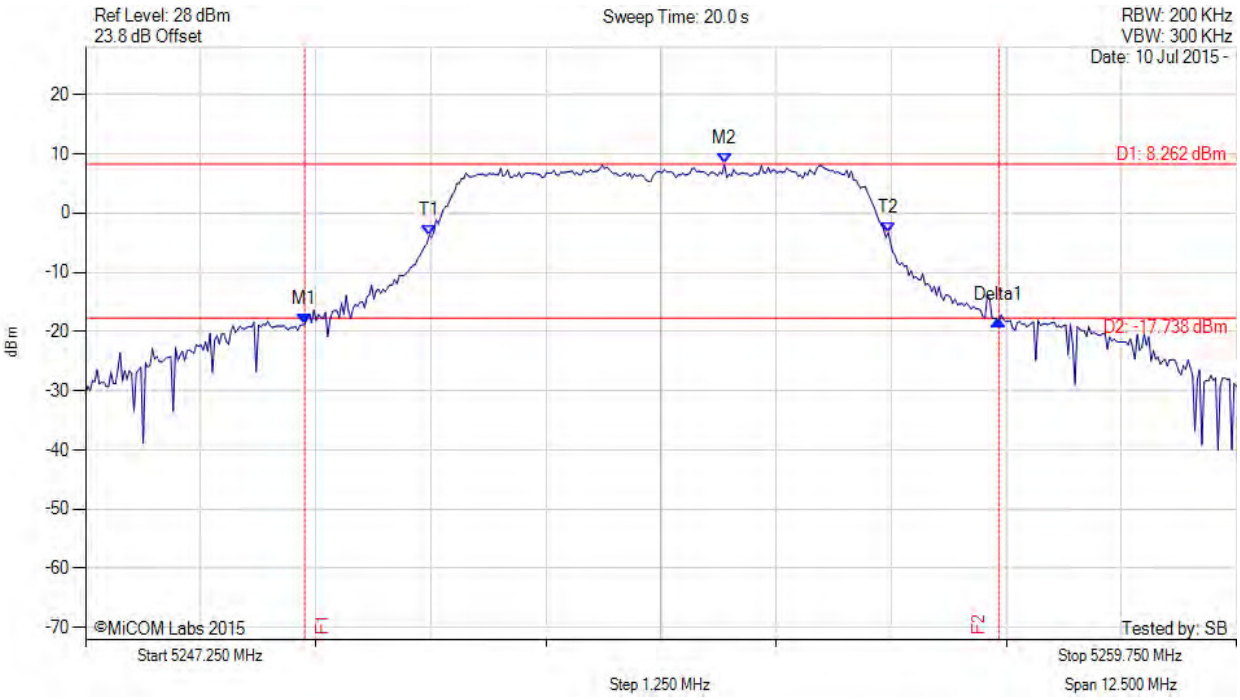
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5305.459 MHz : -24.210 dBm M2 : 5330.509 MHz : 1.854 dBm Delta1 : 41.283 MHz : 1.450 dB T1 : 5307.864 MHz : -0.879 dBm T2 : 5344.136 MHz : -0.627 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5253.50 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



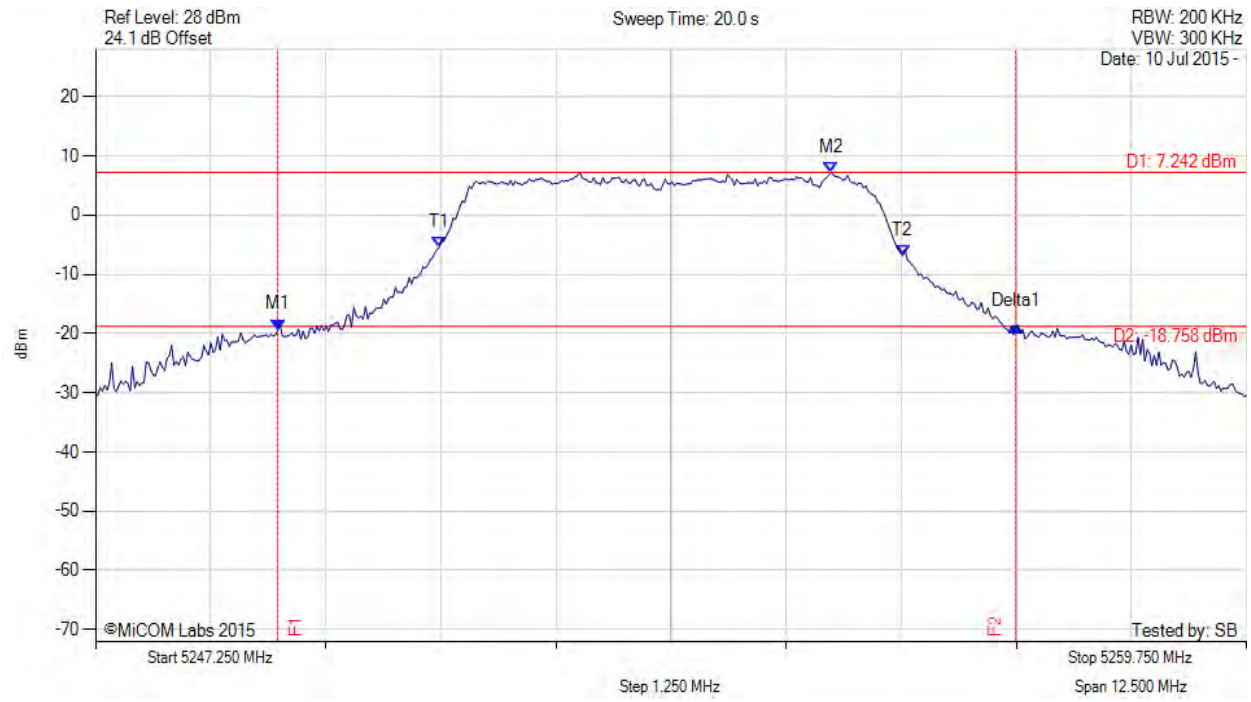
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5249.630 MHz : -18.845 dBm M2 : 5254.189 MHz : 8.262 dBm Delta1 : 7.540 MHz : 0.677 dB T1 : 5250.982 MHz : -3.808 dBm T2 : 5255.967 MHz : -3.277 dBm OBW : 4.985 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5253.50 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



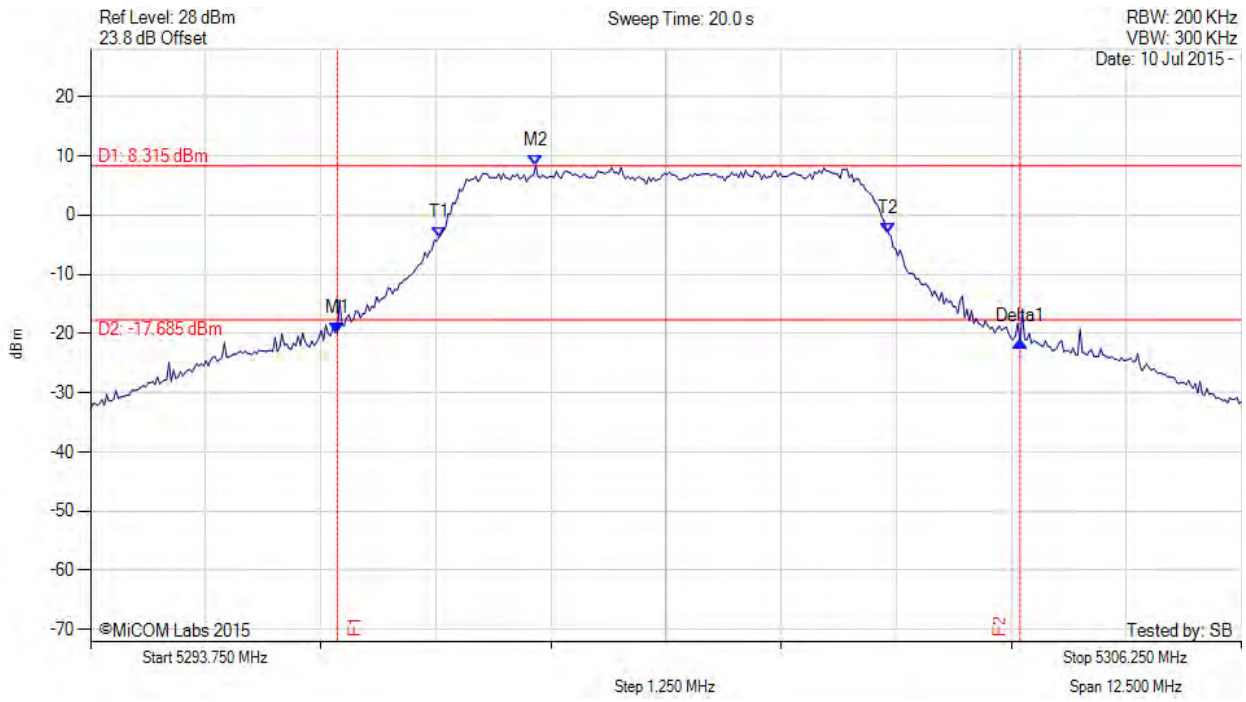
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5249.229 MHz : -19.366 dBm M2 : 5255.241 MHz : 7.242 dBm Delta1 : 8.016 MHz : 0.630 dB T1 : 5250.982 MHz : -5.477 dBm T2 : 5256.018 MHz : -6.806 dBm OBW : 5.035 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



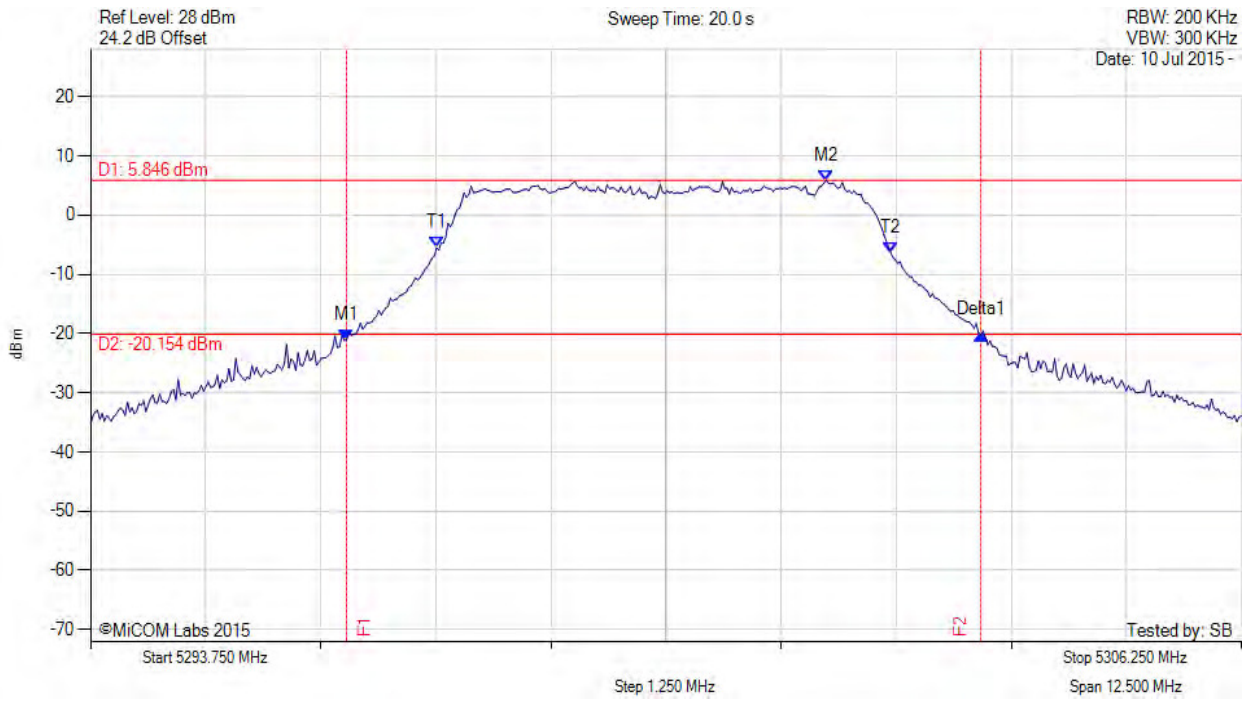
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5296.430 MHz : -19.885 dBm M2 : 5298.585 MHz : 8.315 dBm Delta1 : 7.415 MHz : -1.546 dB T1 : 5297.533 MHz : -3.808 dBm T2 : 5302.417 MHz : -3.155 dBm OBW : 4.885 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



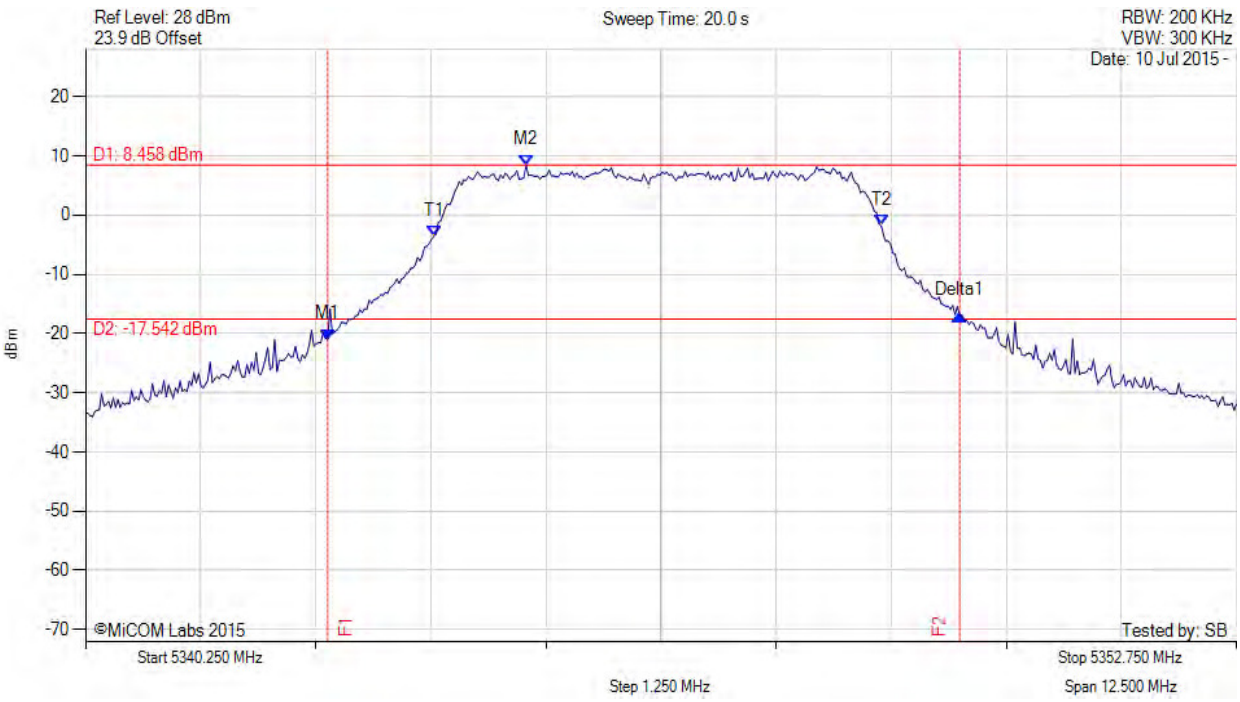
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5296.531 MHz : -21.184 dBm M2 : 5301.741 MHz : 5.846 dBm Delta1 : 6.889 MHz : 1.013 dB T1 : 5297.508 MHz : -5.524 dBm T2 : 5302.442 MHz : -6.383 dBm OBW : 4.935 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5346.50 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



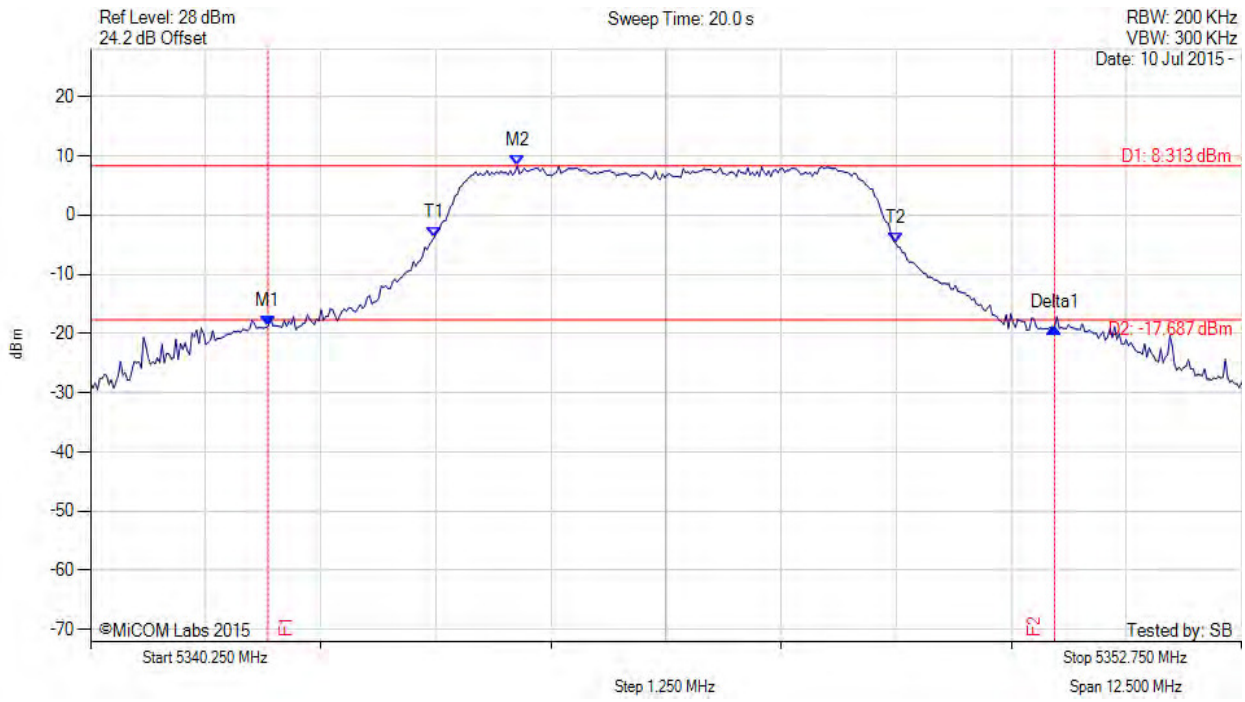
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5342.880 MHz : -20.983 dBm M2 : 5345.035 MHz : 8.458 dBm Delta1 : 6.864 MHz : 4.122 dB T1 : 5344.033 MHz : -3.568 dBm T2 : 5348.892 MHz : -1.803 dBm OBW : 4.860 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5346.50 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



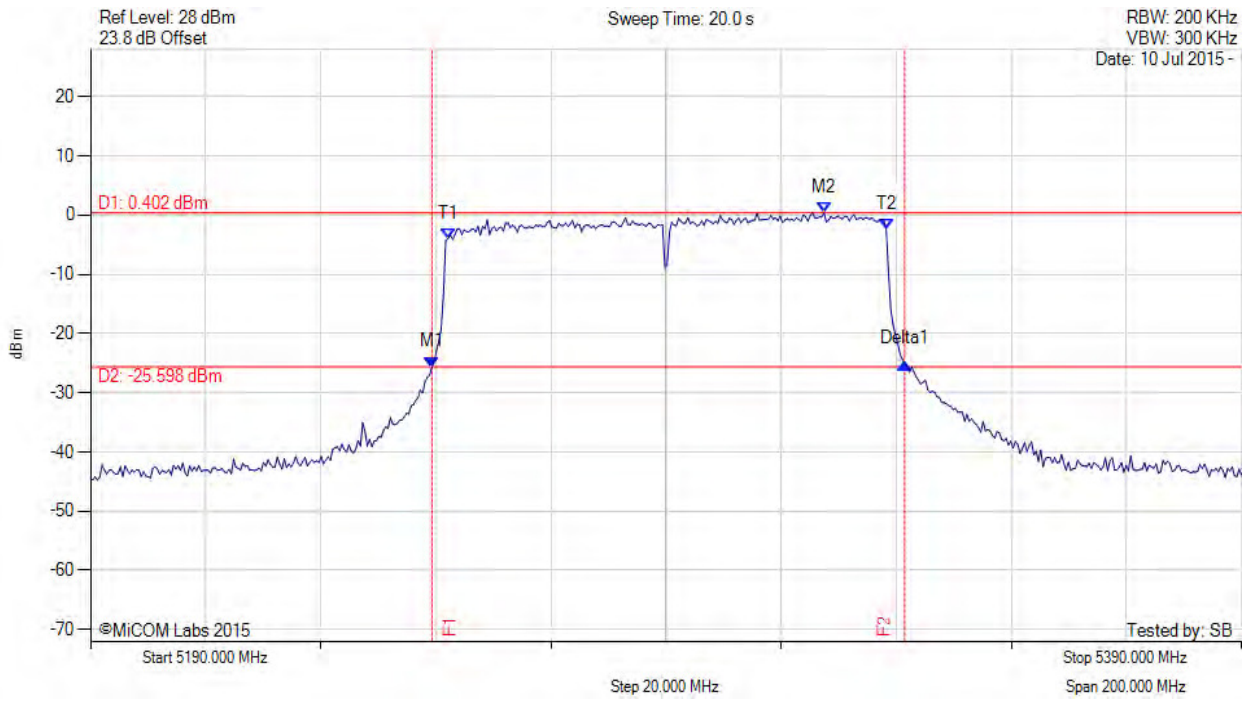
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5342.179 MHz : -18.796 dBm M2 : 5344.884 MHz : 8.313 dBm Delta1 : 8.542 MHz : -0.142 dB T1 : 5343.982 MHz : -3.794 dBm T2 : 5348.992 MHz : -4.770 dBm OBW : 5.010 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5290.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



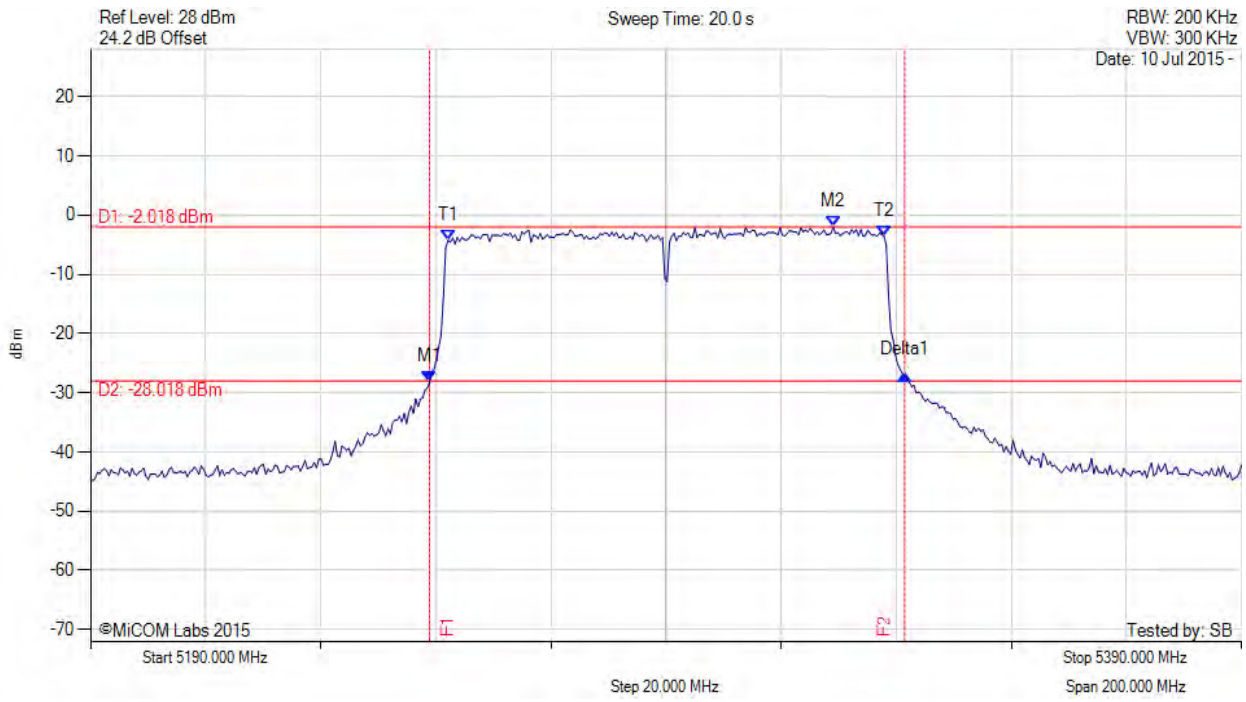
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5249.319 MHz : -25.673 dBm M2 : 5317.455 MHz : 0.402 dBm Delta1 : 82.164 MHz : 0.667 dB T1 : 5252.124 MHz : -3.950 dBm T2 : 5328.277 MHz : -2.437 dBm OBW : 76.152 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5290.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



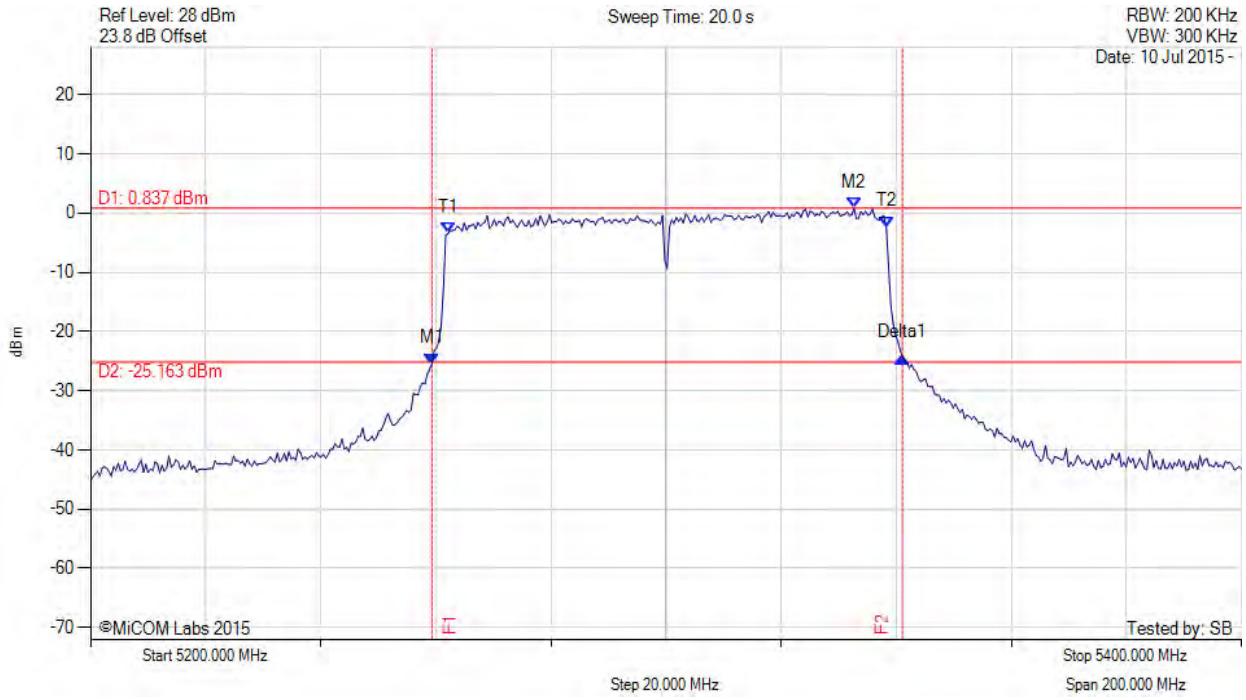
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.918 MHz : -28.221 dBm M2 : 5319.058 MHz : -2.018 dBm Delta1 : 82.565 MHz : 1.178 dB T1 : 5252.124 MHz : -4.251 dBm T2 : 5327.876 MHz : -3.574 dBm OBW : 75.752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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



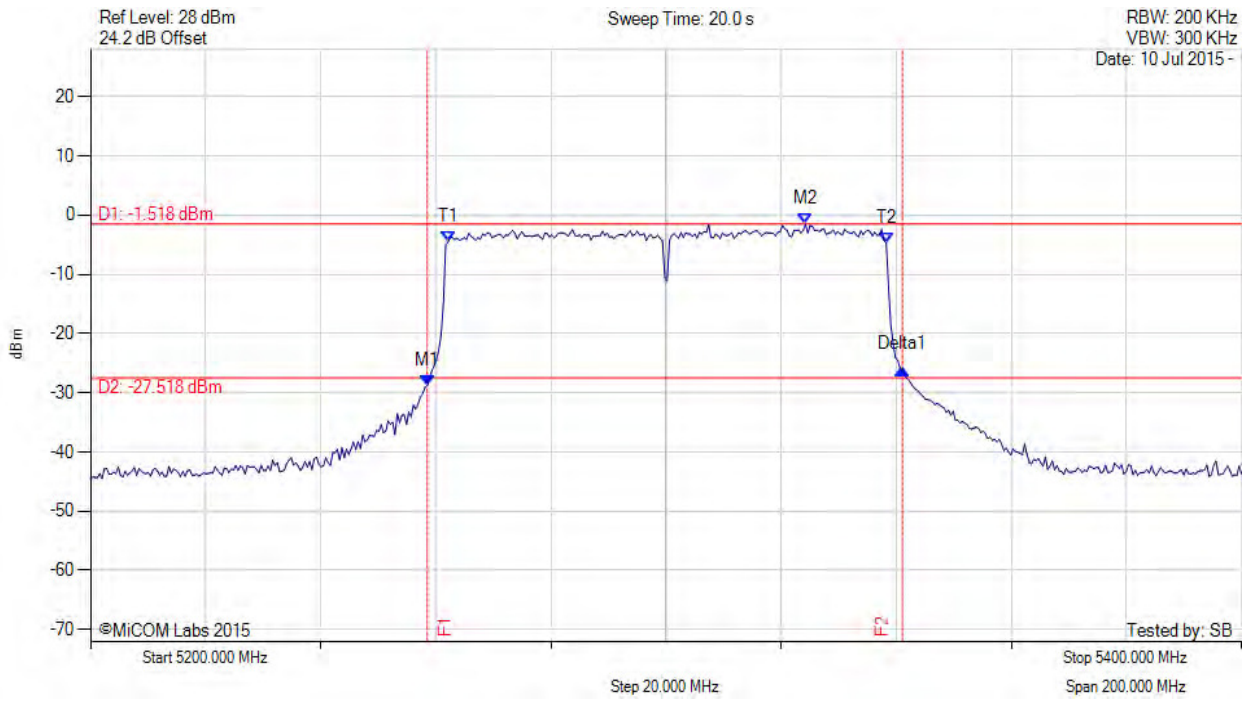
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5259.319 MHz : -25.445 dBm M2 : 5332.665 MHz : 0.837 dBm Delta1 : 81.764 MHz : 1.096 dB T1 : 5262.124 MHz : -3.448 dBm T2 : 5338.277 MHz : -2.301 dBm OBW : 76.152 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



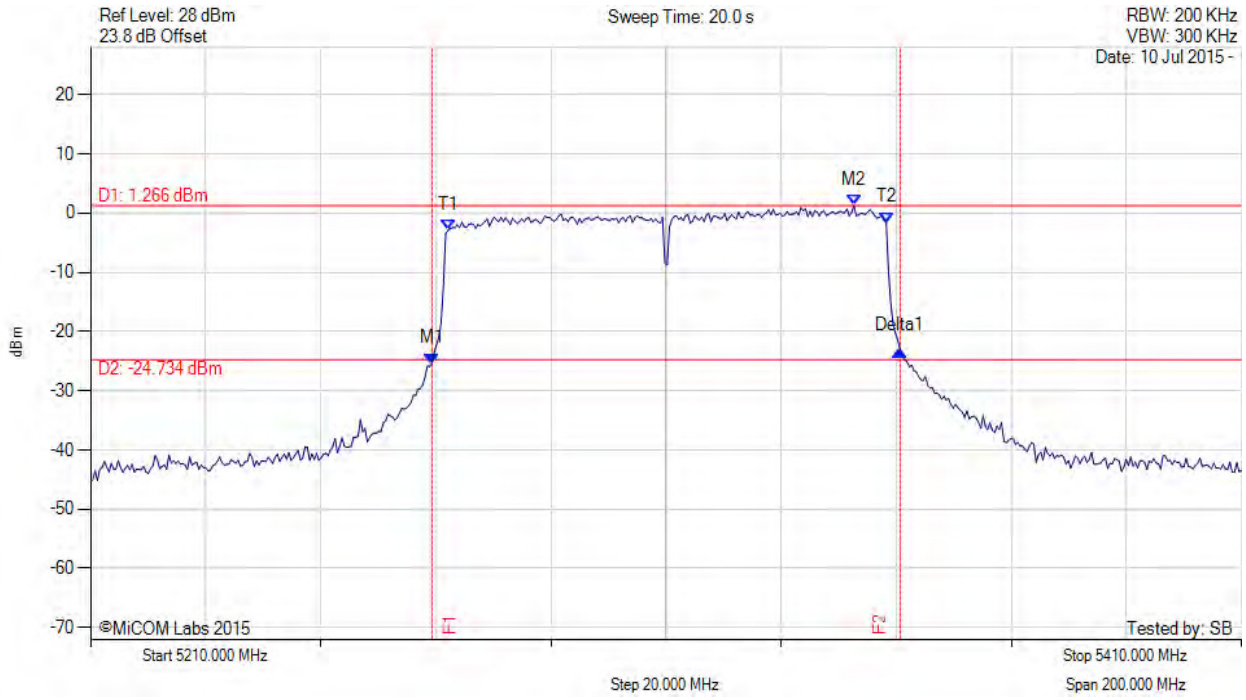
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5258.517 MHz : -28.752 dBm M2 : 5324.248 MHz : -1.518 dBm Delta1 : 82.565 MHz : 2.774 dB T1 : 5262.124 MHz : -4.611 dBm T2 : 5338.277 MHz : -4.688 dBm OBW : 76.152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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5310.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



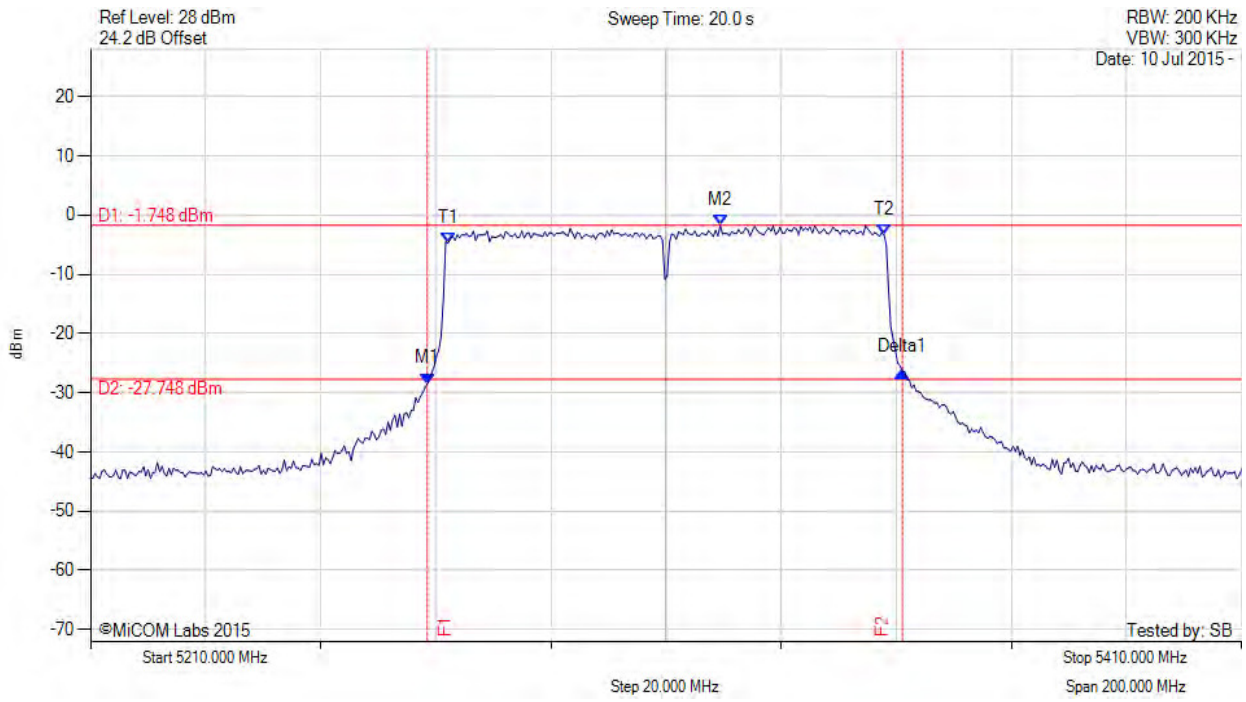
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5269.319 MHz : -25.422 dBm M2 : 5342.665 MHz : 1.266 dBm Delta1 : 81.363 MHz : 2.298 dB T1 : 5272.124 MHz : -2.909 dBm T2 : 5348.277 MHz : -1.587 dBm OBW : 76.152 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5310.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



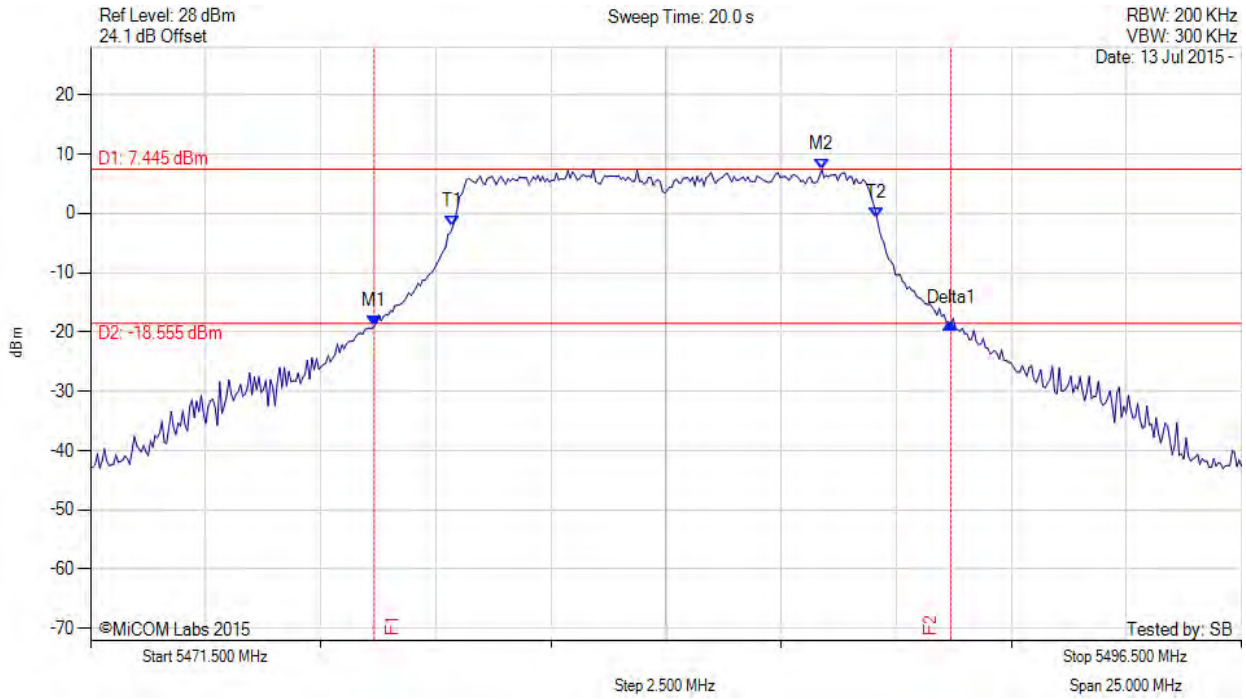
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5268.517 MHz : -28.471 dBm M2 : 5319.419 MHz : -1.748 dBm Delta1 : 82.565 MHz : 2.052 dB T1 : 5272.124 MHz : -4.715 dBm T2 : 5347.876 MHz : -3.283 dBm OBW : 75.752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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5484.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



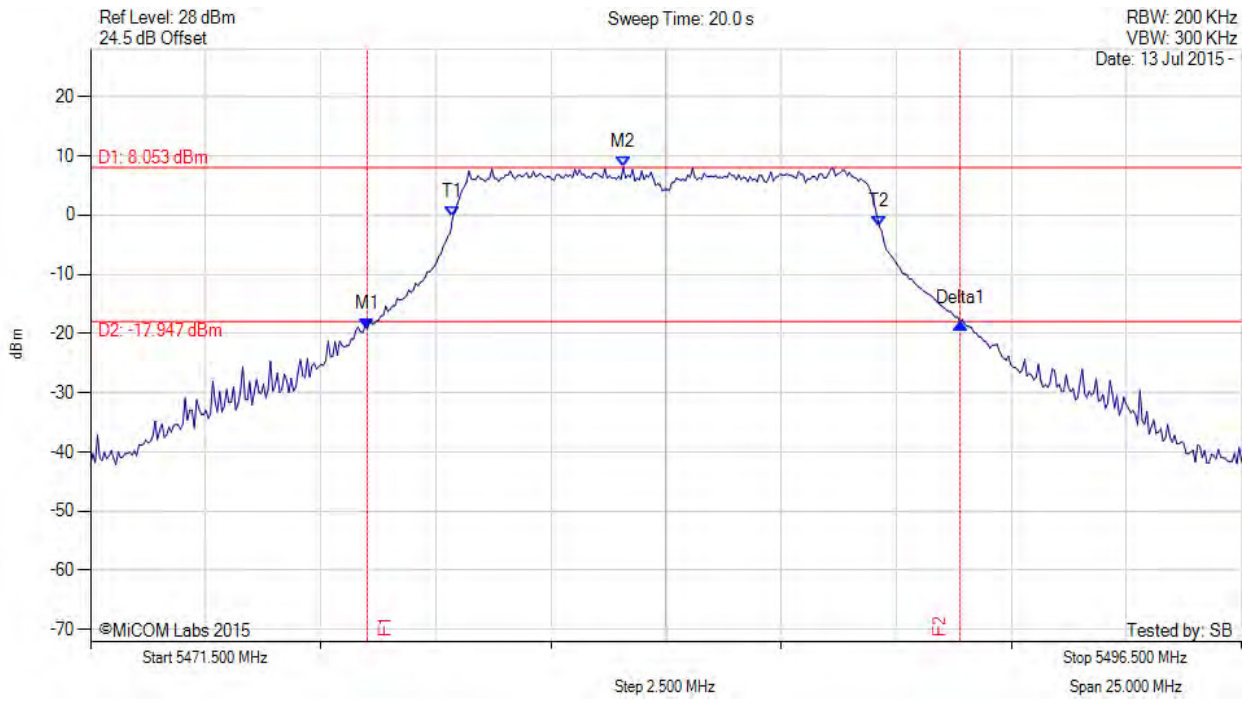
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5477.662 MHz : -18.937 dBm M2 : 5487.382 MHz : 7.445 dBm Delta1 : 12.525 MHz : 0.299 dB T1 : 5479.366 MHz : -2.248 dBm T2 : 5488.584 MHz : -0.836 dBm OBW : 9.218 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5484.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



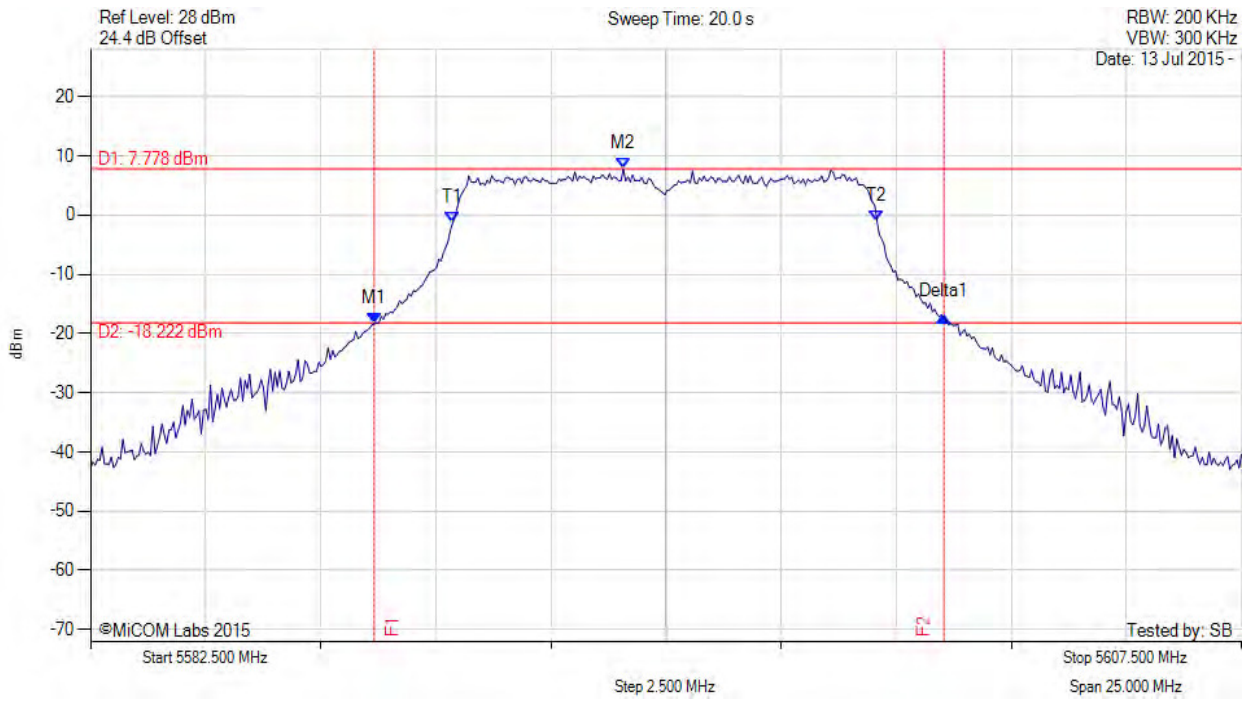
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5477.512 MHz : -19.297 dBm M2 : 5483.073 MHz : 8.053 dBm Delta1 : 12.876 MHz : 1.094 dB T1 : 5479.366 MHz : -0.367 dBm T2 : 5488.634 MHz : -1.981 dBm OBW : 9.269 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5595.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



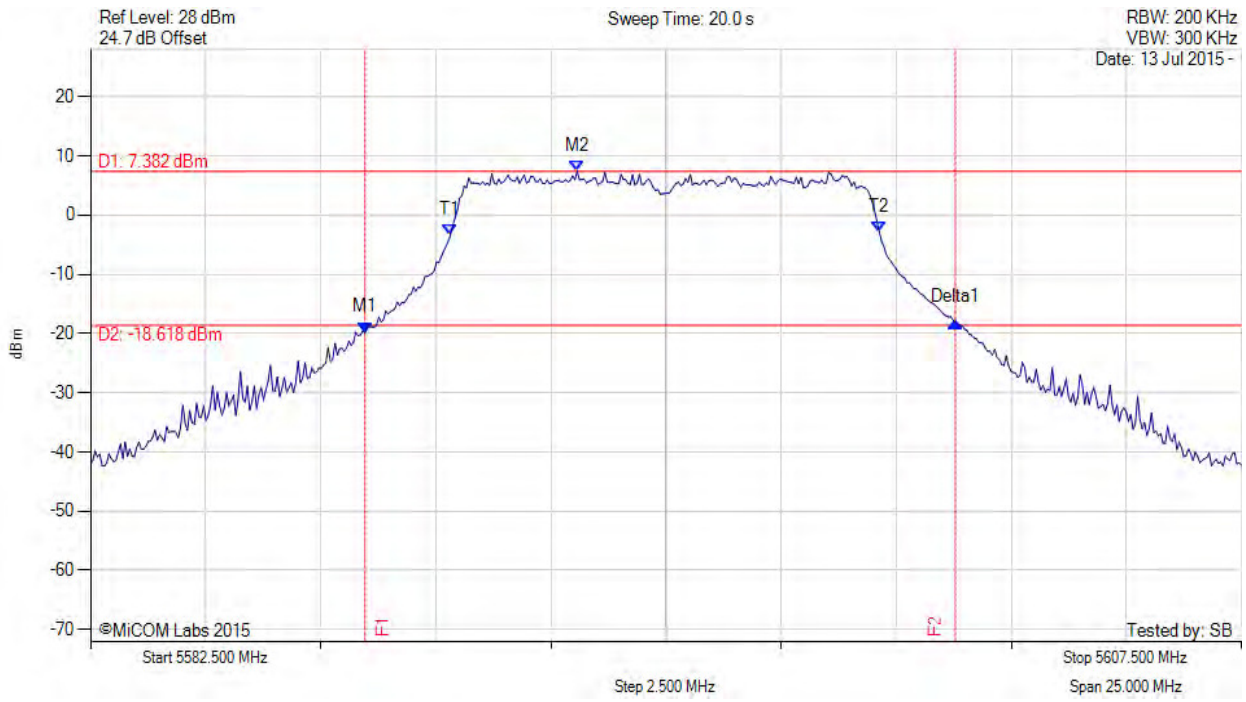
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5588.662 MHz : -18.349 dBm M2 : 5594.073 MHz : 7.778 dBm Delta1 : 12.375 MHz : 1.212 dB T1 : 5590.366 MHz : -1.308 dBm T2 : 5599.584 MHz : -1.046 dBm OBW : 9.218 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5595.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



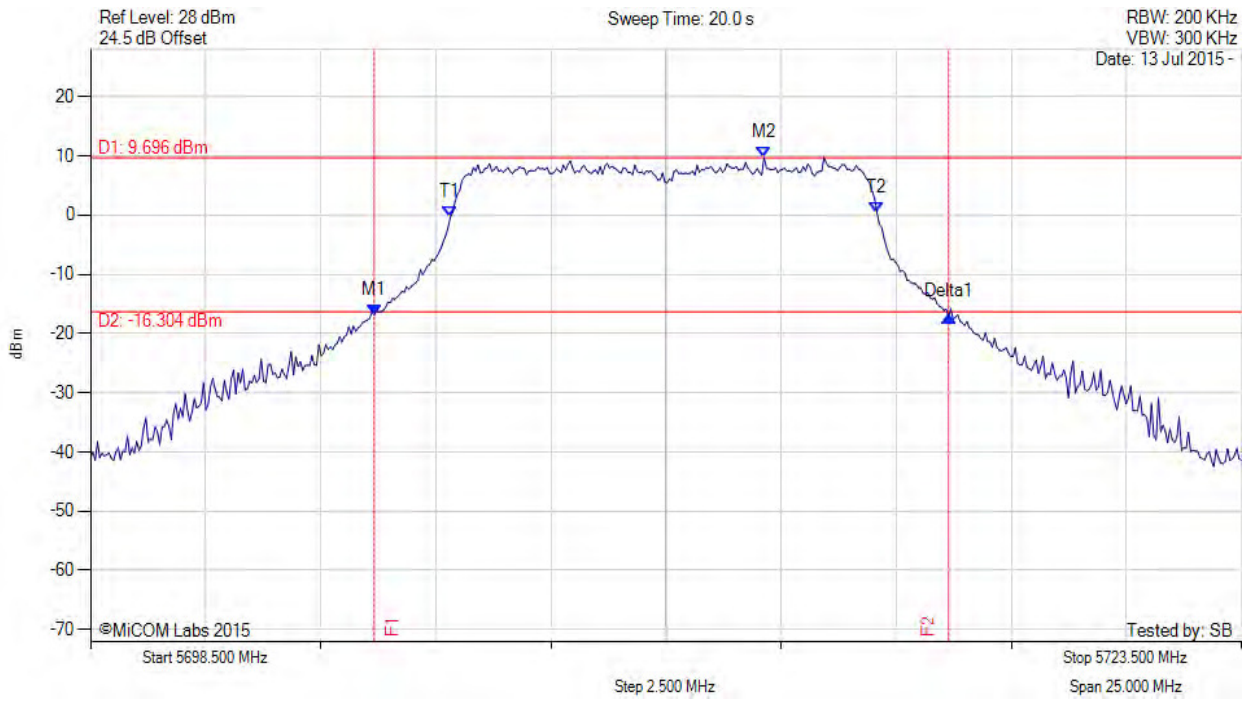
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5588.462 MHz : -19.819 dBm M2 : 5593.071 MHz : 7.382 dBm Delta1 : 12.826 MHz : 1.782 dB T1 : 5590.316 MHz : -3.427 dBm T2 : 5599.634 MHz : -2.919 dBm OBW : 9.319 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5711.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



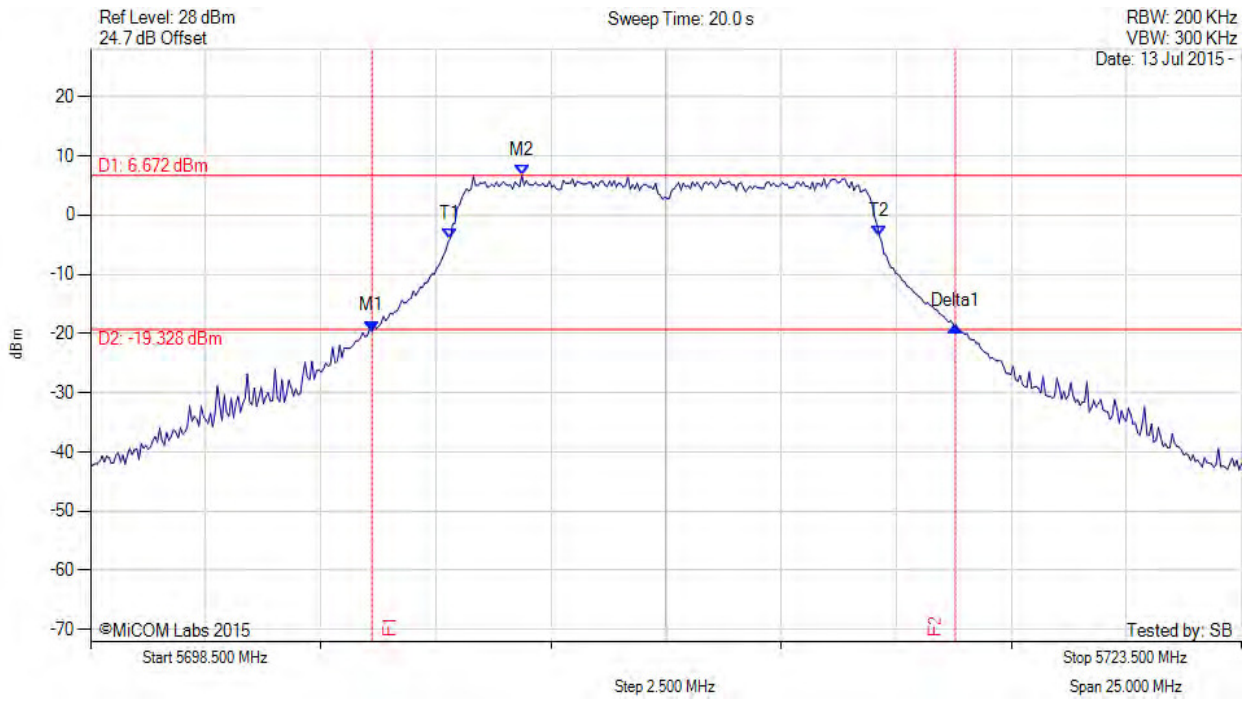
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5704.662 MHz : -16.816 dBm M2 : 5713.129 MHz : 9.696 dBm Delta1 : 12.475 MHz : -0.299 dB T1 : 5706.316 MHz : -0.359 dBm T2 : 5715.584 MHz : 0.363 dBm OBW : 9.269 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 10 MHz, Channel: 5711.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



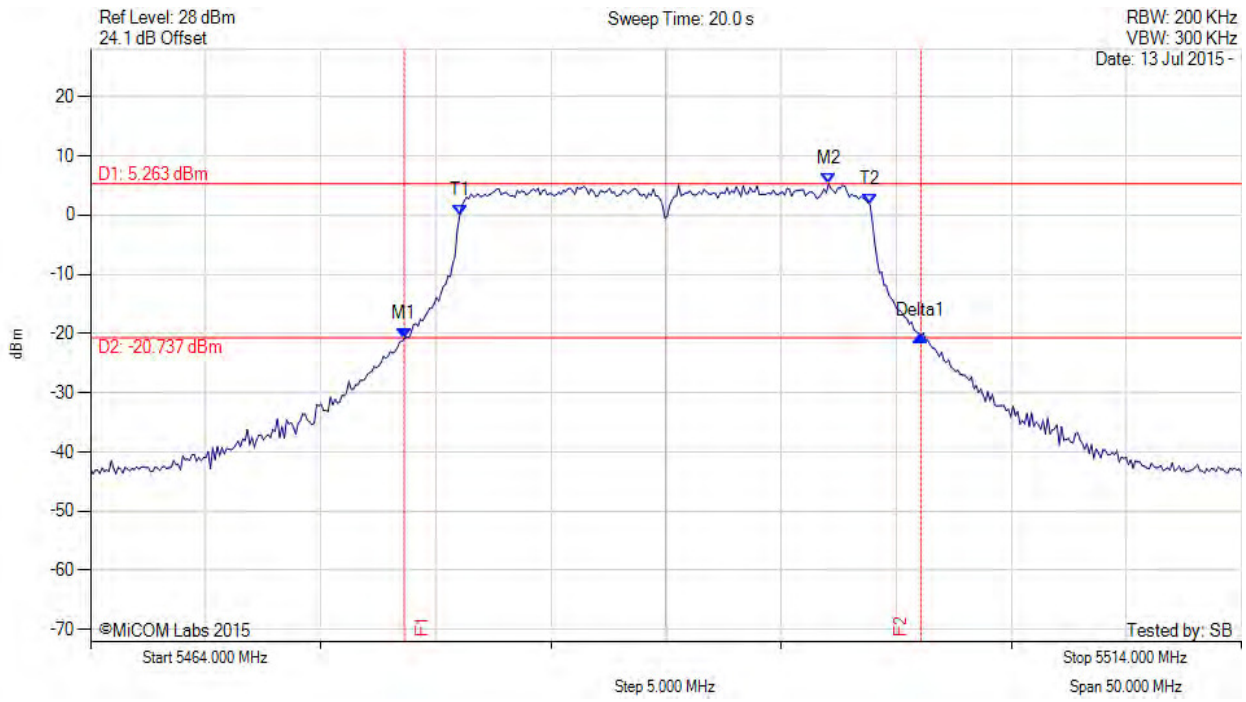
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5704.612 MHz : -19.582 dBm M2 : 5707.869 MHz : 6.672 dBm Delta1 : 12.675 MHz : 0.805 dB T1 : 5706.316 MHz : -3.958 dBm T2 : 5715.634 MHz : -3.493 dBm OBW : 9.319 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5489.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



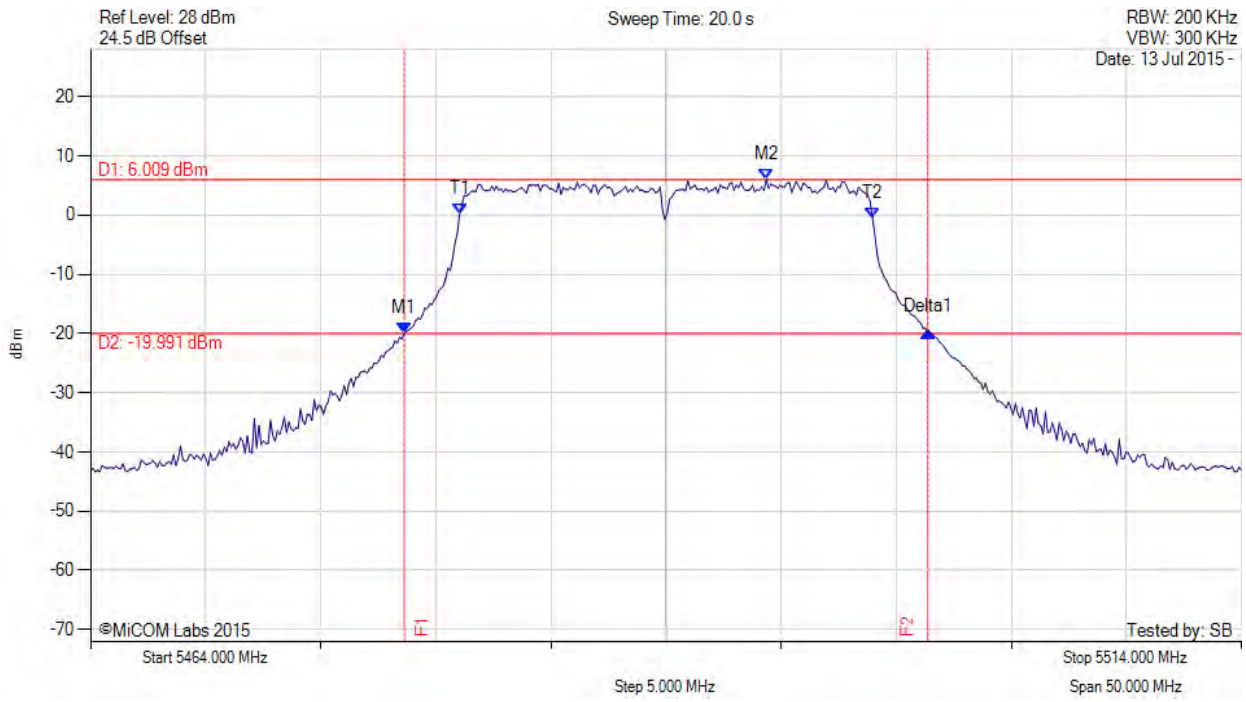
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5477.627 MHz : -20.853 dBm M2 : 5496.064 MHz : 5.263 dBm Delta1 : 22.445 MHz : 0.474 dB T1 : 5480.032 MHz : -0.139 dBm T2 : 5497.868 MHz : 1.714 dBm OBW : 17.836 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5489.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



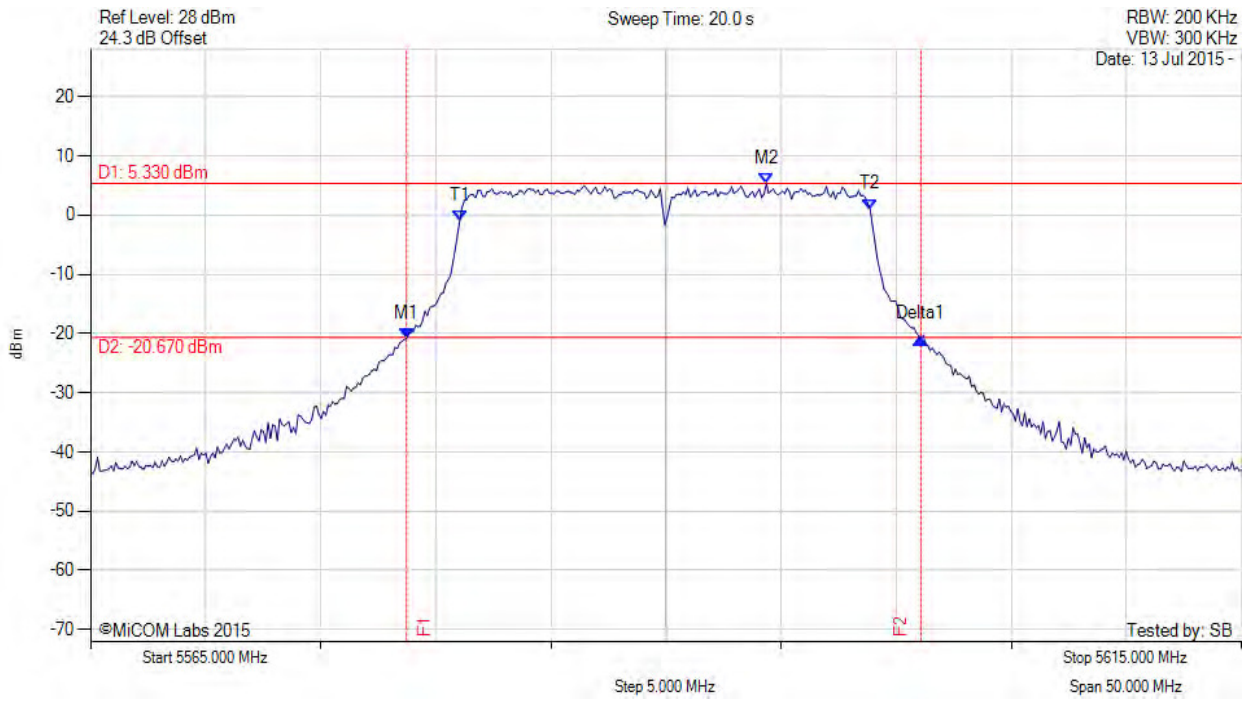
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5477.627 MHz : -20.037 dBm M2 : 5493.359 MHz : 6.009 dBm Delta1 : 22.745 MHz : 0.273 dB T1 : 5480.032 MHz : 0.144 dBm T2 : 5497.968 MHz : -0.527 dBm OBW : 17.936 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5590.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



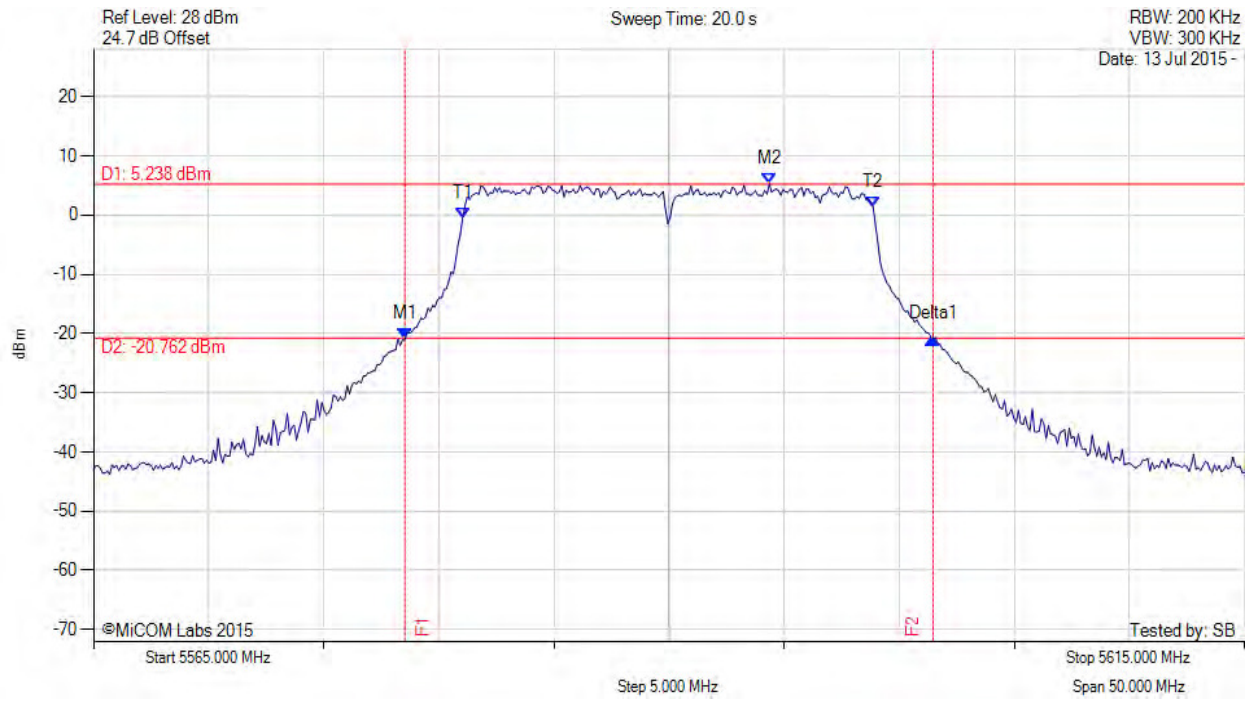
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5578.727 MHz : -20.828 dBm M2 : 5594.359 MHz : 5.330 dBm Delta1 : 22.345 MHz : 0.020 dB T1 : 5581.032 MHz : -1.060 dBm T2 : 5598.868 MHz : 0.969 dBm OBW : 17.836 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5590.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



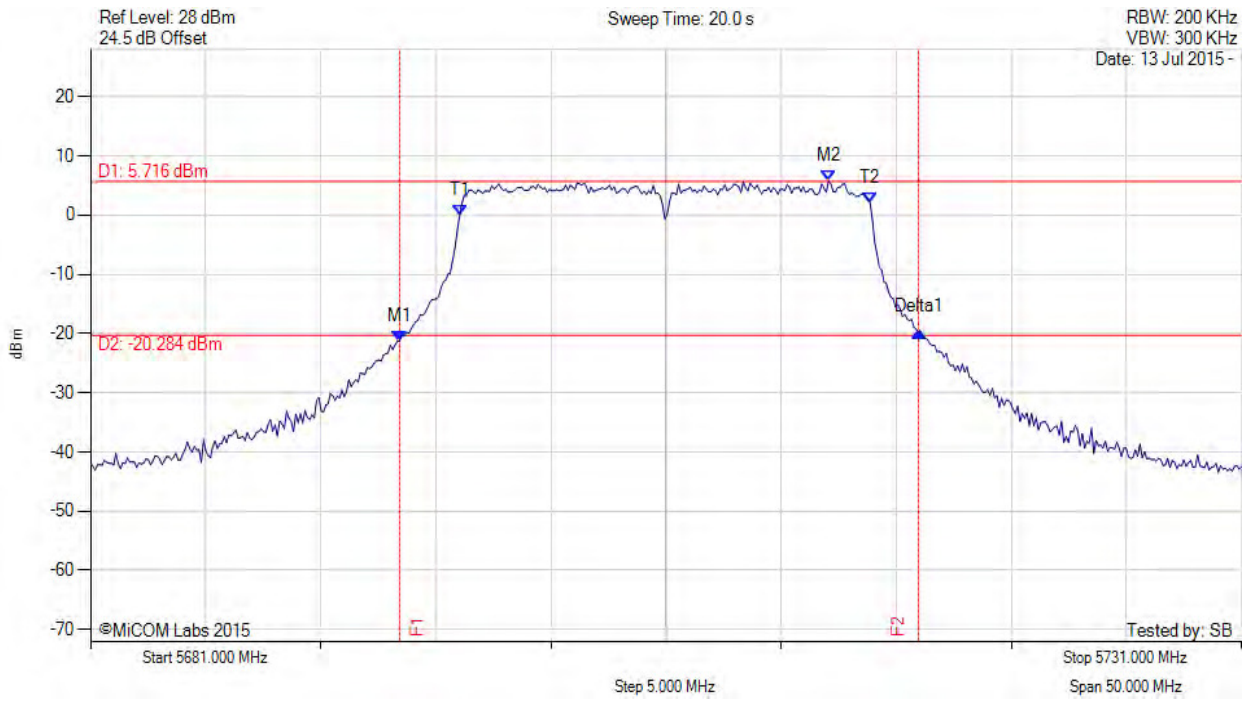
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5578.527 MHz : -20.897 dBm M2 : 5594.359 MHz : 5.238 dBm Delta1 : 22.946 MHz : -0.045 dB T1 : 5581.032 MHz : -0.521 dBm T2 : 5598.868 MHz : 1.344 dBm OBW : 17.836 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5706.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



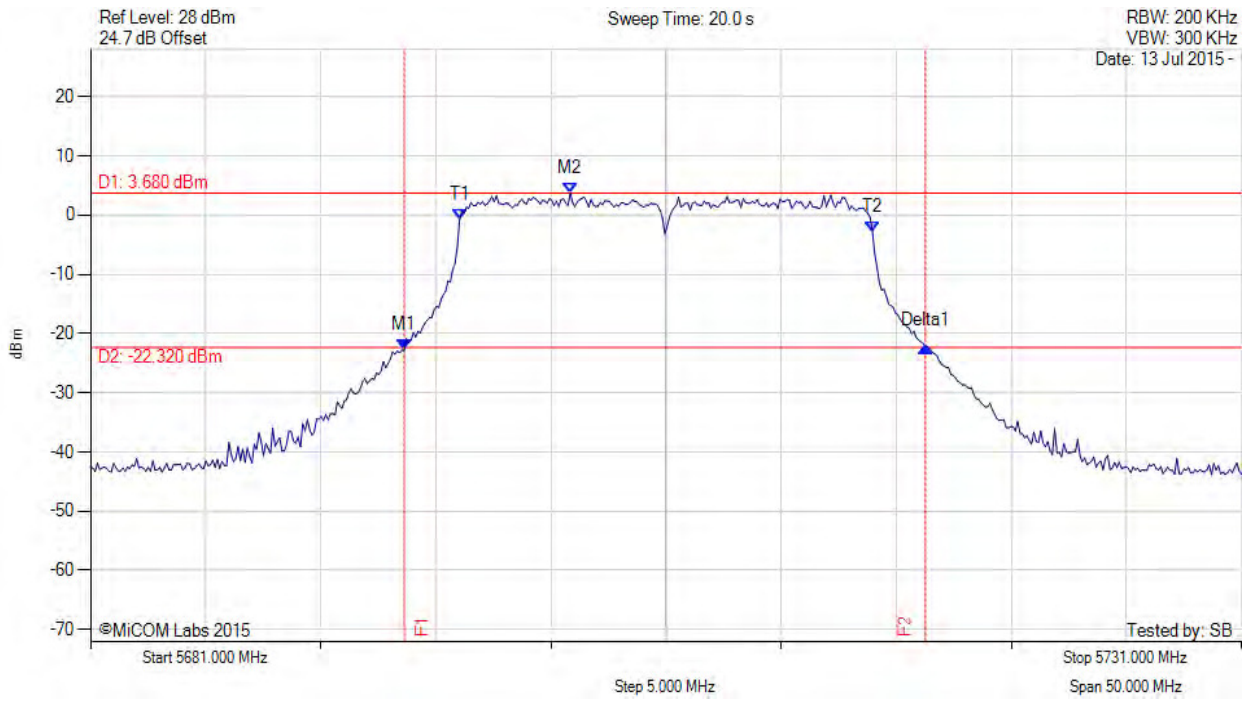
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5694.427 MHz : -21.239 dBm M2 : 5713.064 MHz : 5.716 dBm Delta1 : 22.545 MHz : 1.605 dB T1 : 5697.032 MHz : -0.060 dBm T2 : 5714.868 MHz : 2.035 dBm OBW : 17.836 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 20 MHz, Channel: 5706.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



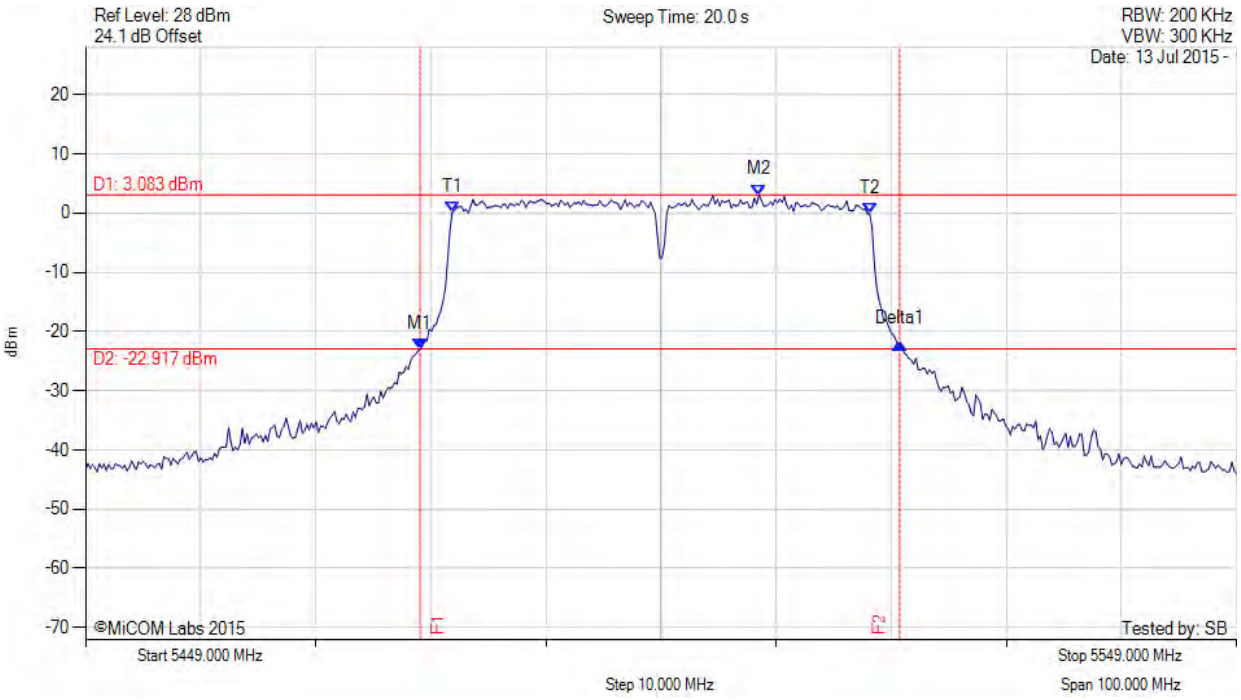
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5694.627 MHz : -22.764 dBm M2 : 5701.842 MHz : 3.680 dBm Delta1 : 22.645 MHz : 0.594 dB T1 : 5697.032 MHz : -0.753 dBm T2 : 5714.968 MHz : -2.874 dBm OBW : 17.936 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5499.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



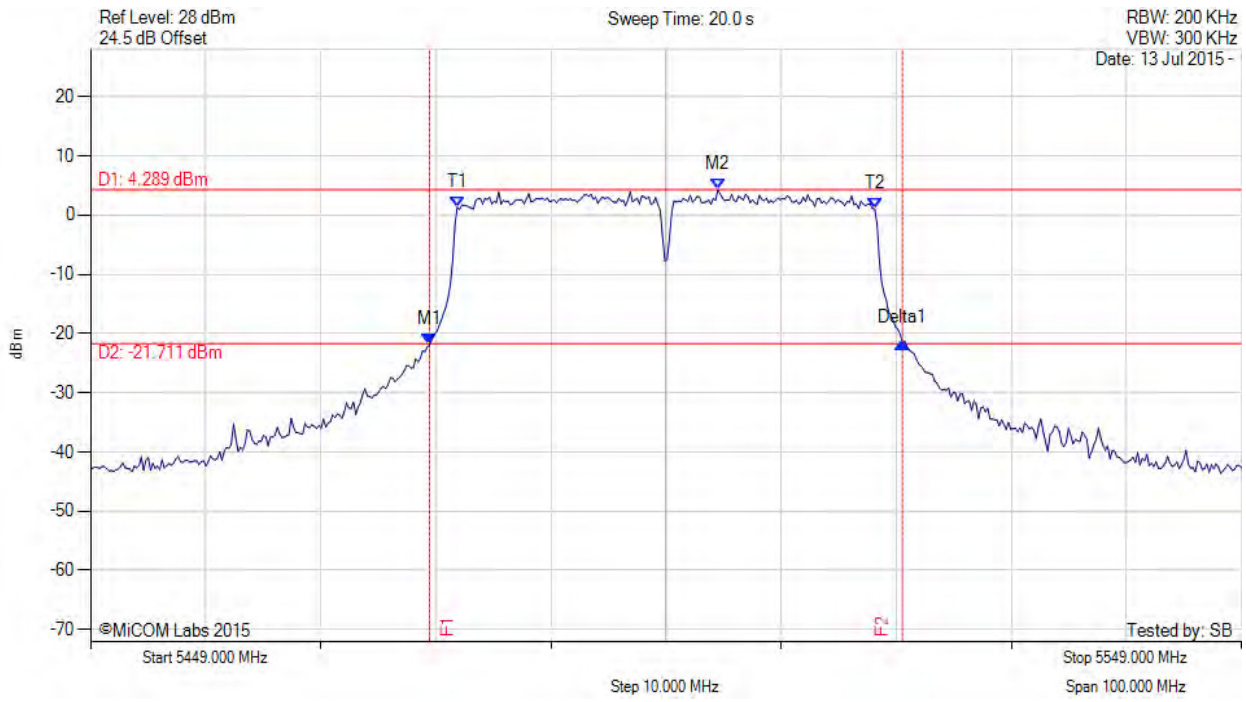
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5478.058 MHz : -23.019 dBm M2 : 5507.517 MHz : 3.083 dBm Delta1 : 41.683 MHz : 1.043 dB T1 : 5480.864 MHz : 0.237 dBm T2 : 5517.136 MHz : -0.121 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5499.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



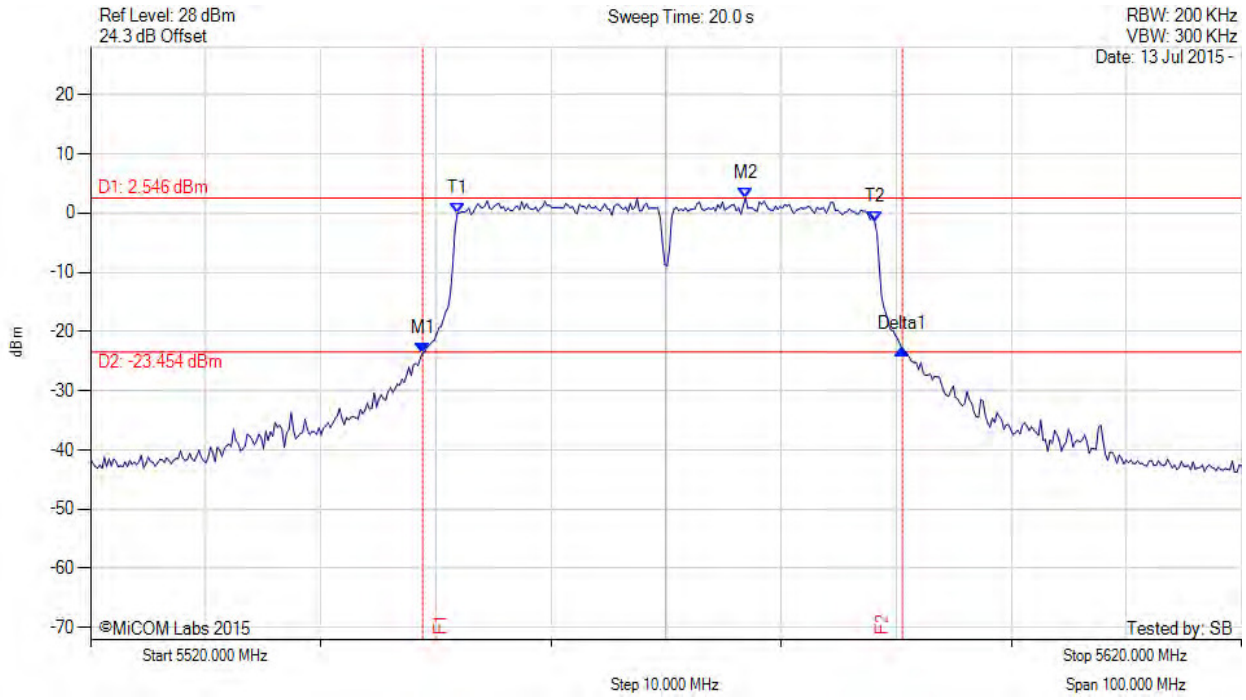
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5478.459 MHz : -21.884 dBm M2 : 5503.509 MHz : 4.289 dBm Delta1 : 41.082 MHz : 0.311 dB T1 : 5480.864 MHz : 1.325 dBm T2 : 5517.136 MHz : 0.992 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5570.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



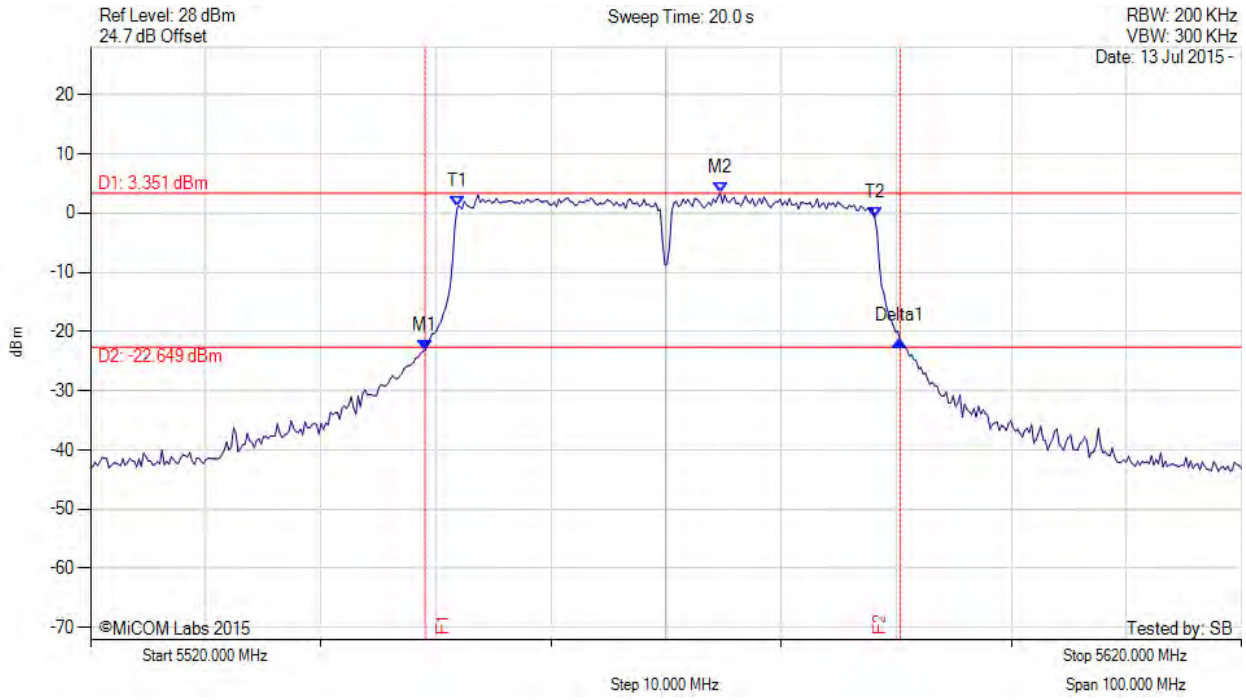
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5548.858 MHz : -23.673 dBm M2 : 5576.914 MHz : 2.546 dBm Delta1 : 41.683 MHz : 0.663 dB T1 : 5551.864 MHz : -0.102 dBm T2 : 5588.136 MHz : -1.459 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5570.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



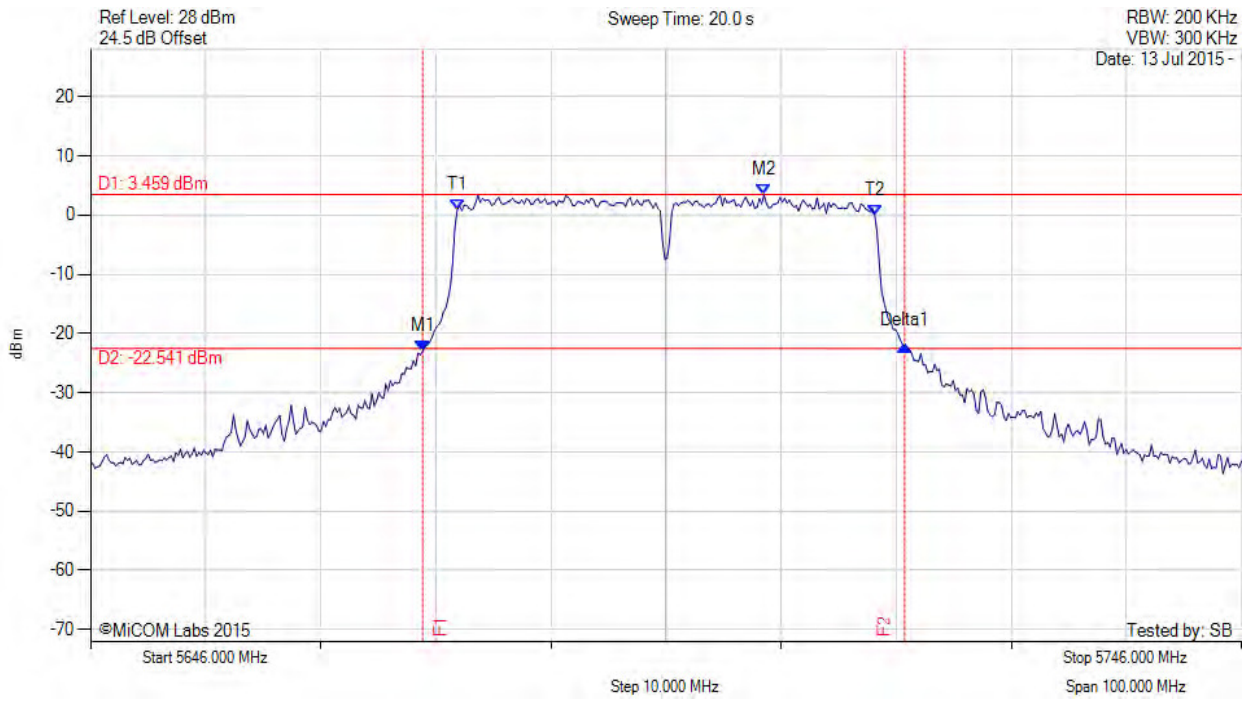
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5549.058 MHz : -23.195 dBm M2 : 5574.709 MHz : 3.351 dBm Delta1 : 41.283 MHz : 1.556 dB T1 : 5551.864 MHz : 0.992 dBm T2 : 5588.136 MHz : -0.702 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5696.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



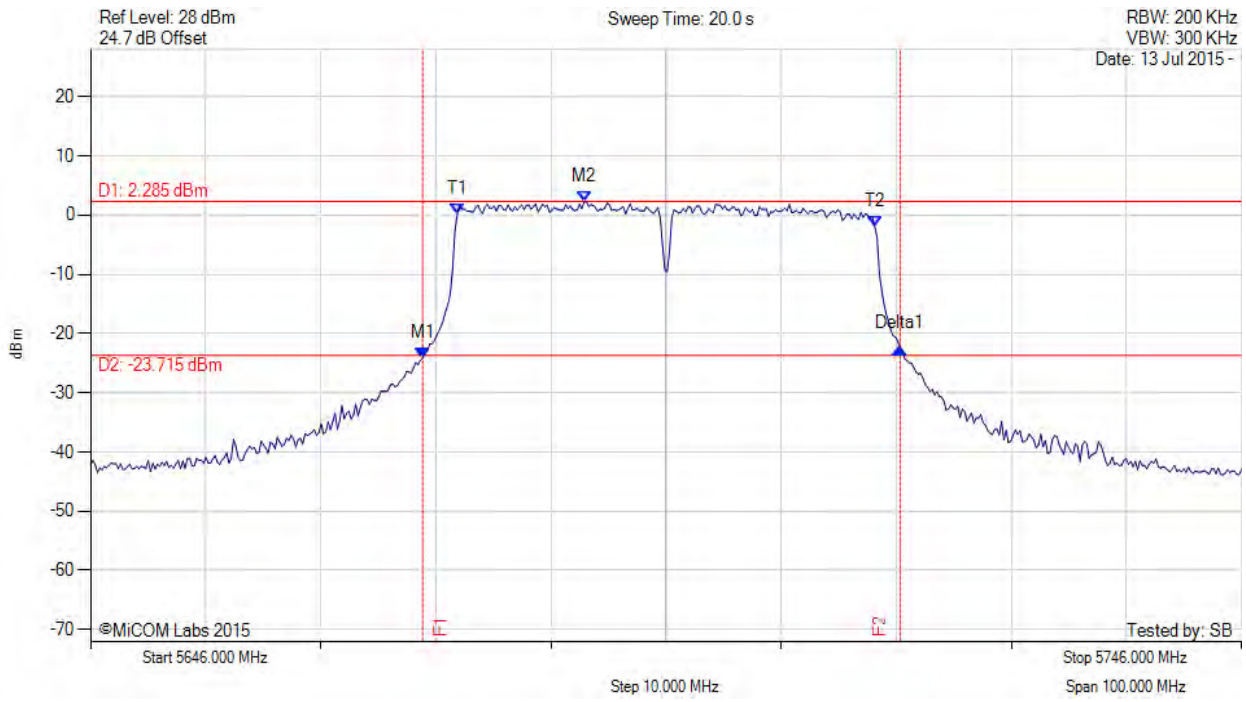
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5674.858 MHz : -22.984 dBm M2 : 5704.517 MHz : 3.459 dBm Delta1 : 41.884 MHz : 0.872 dB T1 : 5677.864 MHz : 0.927 dBm T2 : 5714.136 MHz : -0.043 dBm OBW : 36.273 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 40 MHz, Channel: 5696.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



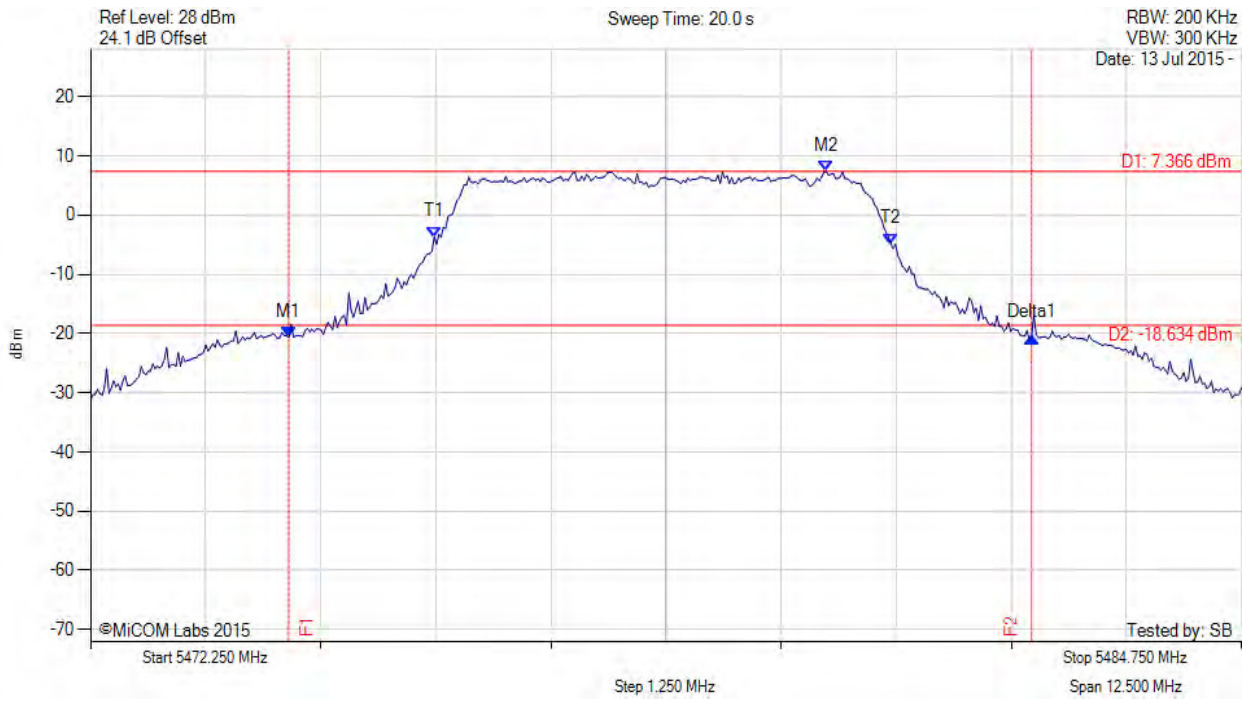
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5674.858 MHz : -24.125 dBm M2 : 5688.886 MHz : 2.285 dBm Delta1 : 41.483 MHz : 1.550 dB T1 : 5677.864 MHz : 0.186 dBm T2 : 5714.136 MHz : -1.872 dBm OBW : 36.273 MHz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

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.

26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5478.50 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



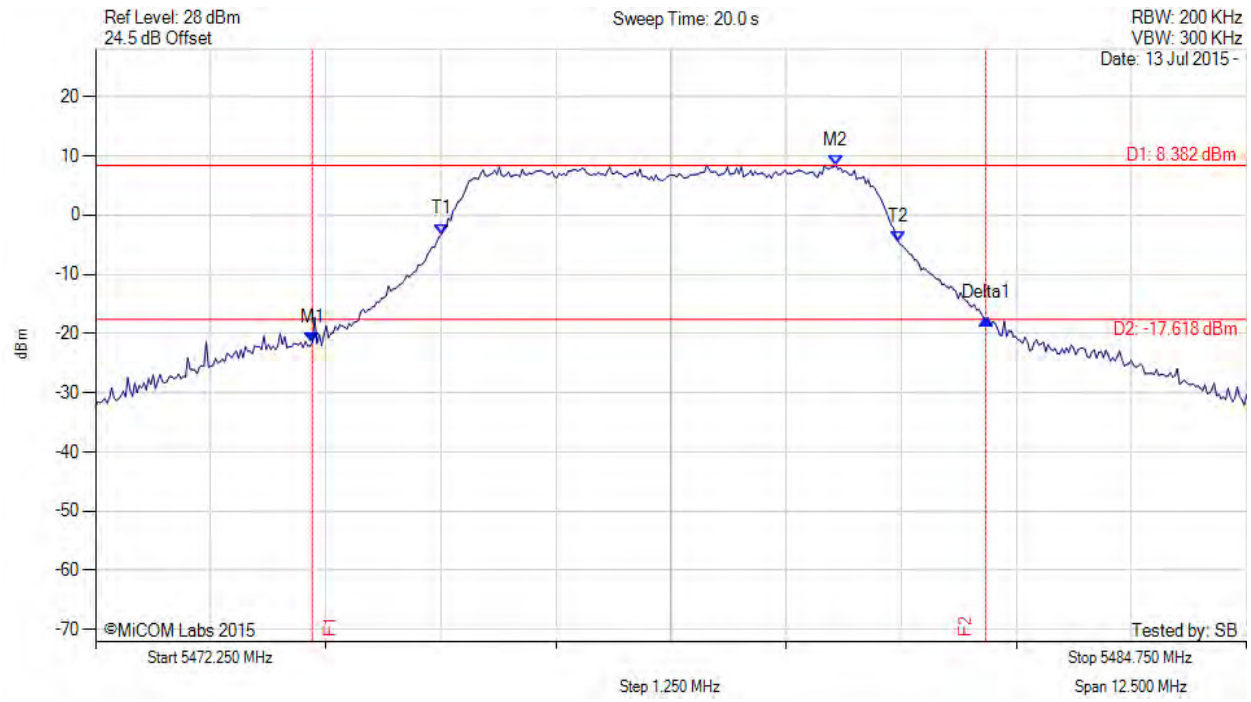
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5474.404 MHz : -20.641 dBm M2 : 5480.241 MHz : 7.366 dBm Delta1 : 8.066 MHz : 0.033 dB T1 : 5475.982 MHz : -3.702 dBm T2 : 5480.942 MHz : -4.859 dBm OBW : 4.960 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5478.50 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



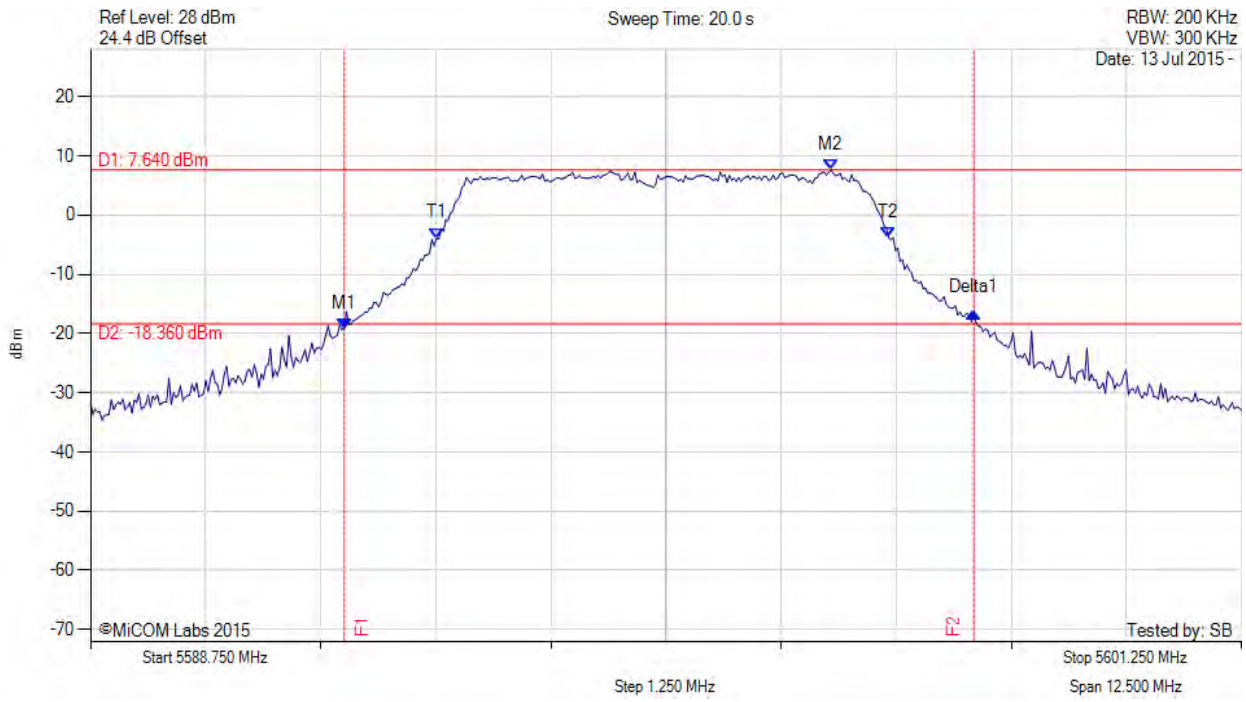
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5474.605 MHz : -21.568 dBm M2 : 5480.291 MHz : 8.382 dBm Delta1 : 7.315 MHz : 4.082 dB T1 : 5476.008 MHz : -3.216 dBm T2 : 5480.967 MHz : -4.469 dBm OBW : 4.960 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5595.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



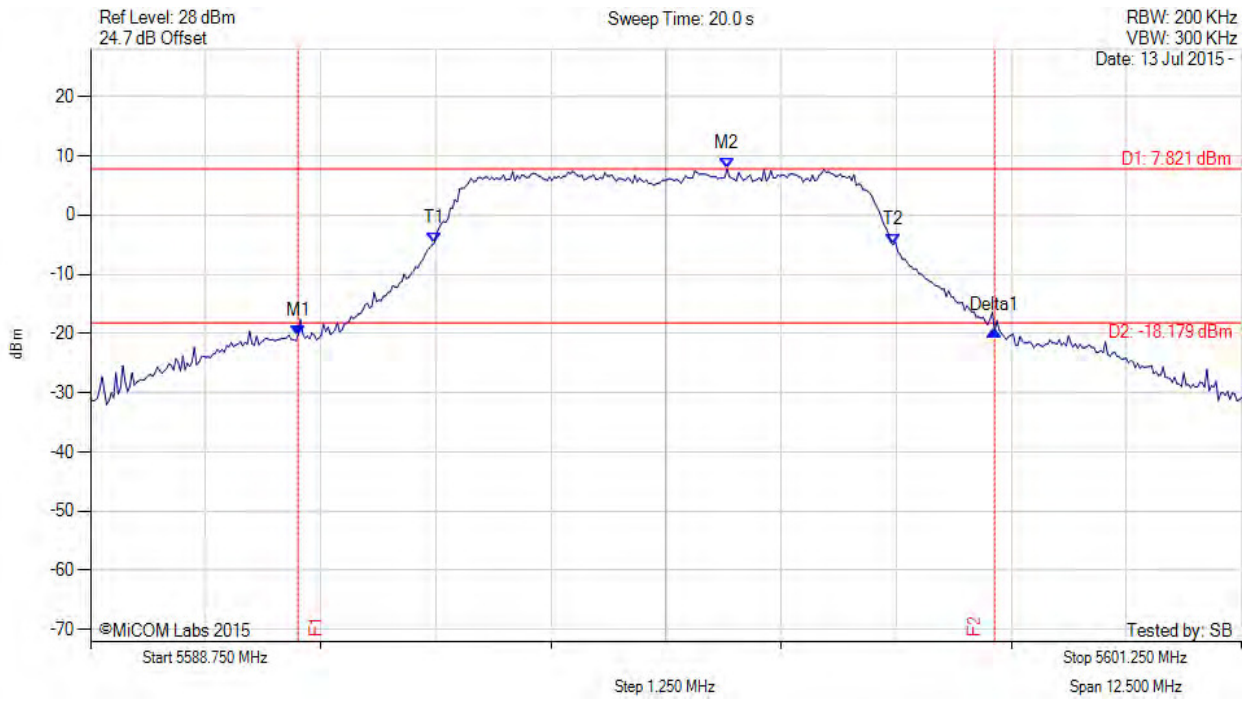
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5591.506 MHz : -19.191 dBm M2 : 5596.791 MHz : 7.640 dBm Delta1 : 6.839 MHz : 2.729 dB T1 : 5592.508 MHz : -3.942 dBm T2 : 5597.417 MHz : -3.761 dBm OBW : 4.910 MHz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

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.

26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5595.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



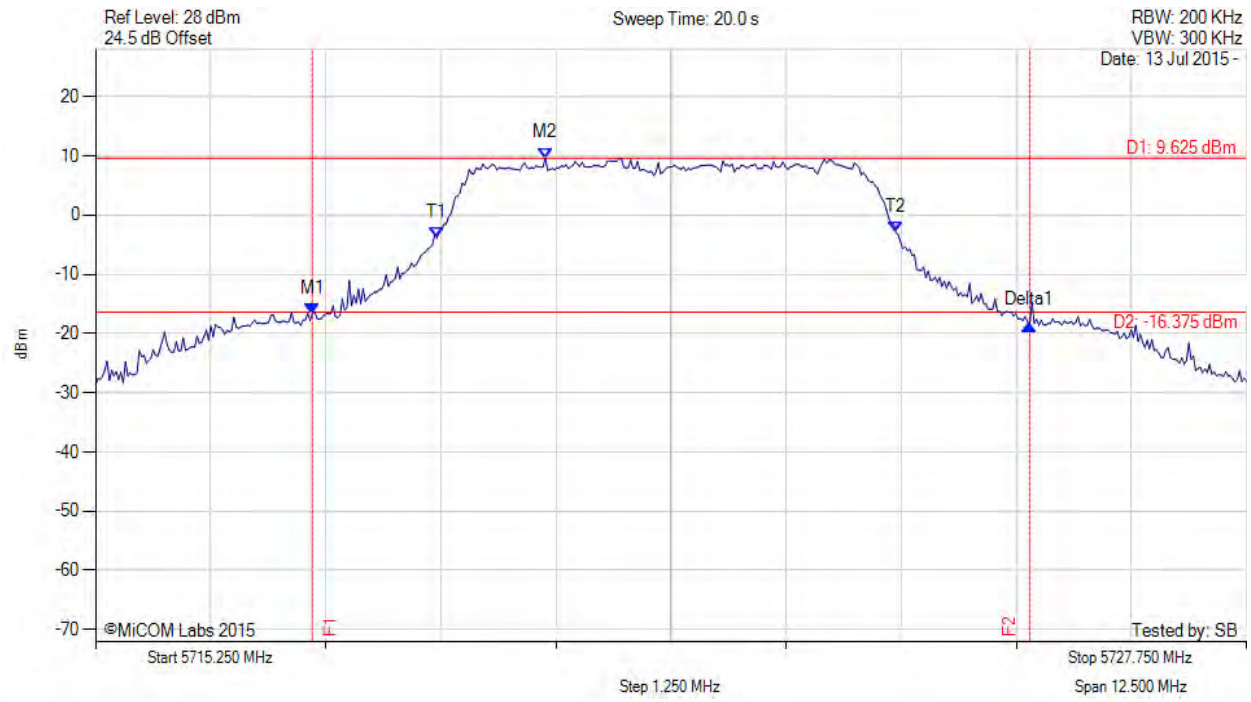
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5591.005 MHz : -20.354 dBm M2 : 5595.664 MHz : 7.821 dBm Delta1 : 7.565 MHz : 0.834 dB T1 : 5592.482 MHz : -4.751 dBm T2 : 5597.467 MHz : -5.016 dBm OBW : 4.985 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5721.50 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



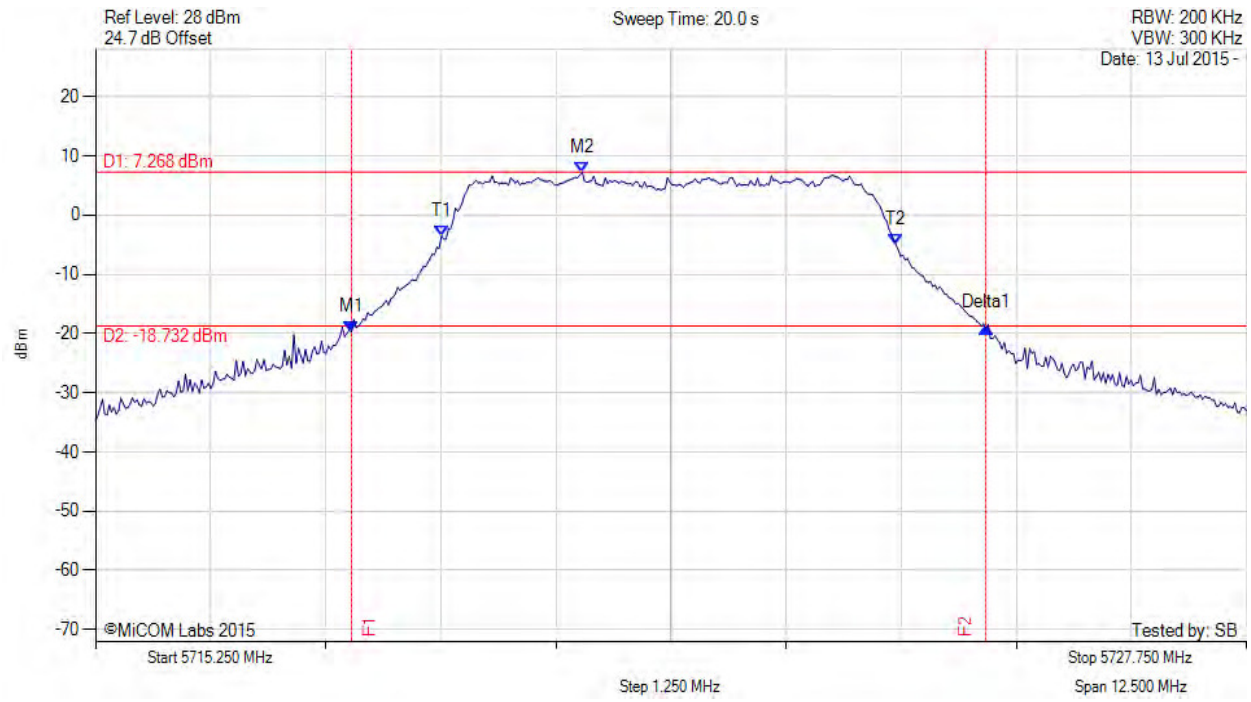
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5717.605 MHz : -16.651 dBm M2 : 5720.135 MHz : 9.625 dBm Delta1 : 7.791 MHz : -1.869 dB T1 : 5718.957 MHz : -3.877 dBm T2 : 5723.942 MHz : -2.943 dBm OBW : 4.985 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 5 MHz, Channel: 5721.50 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



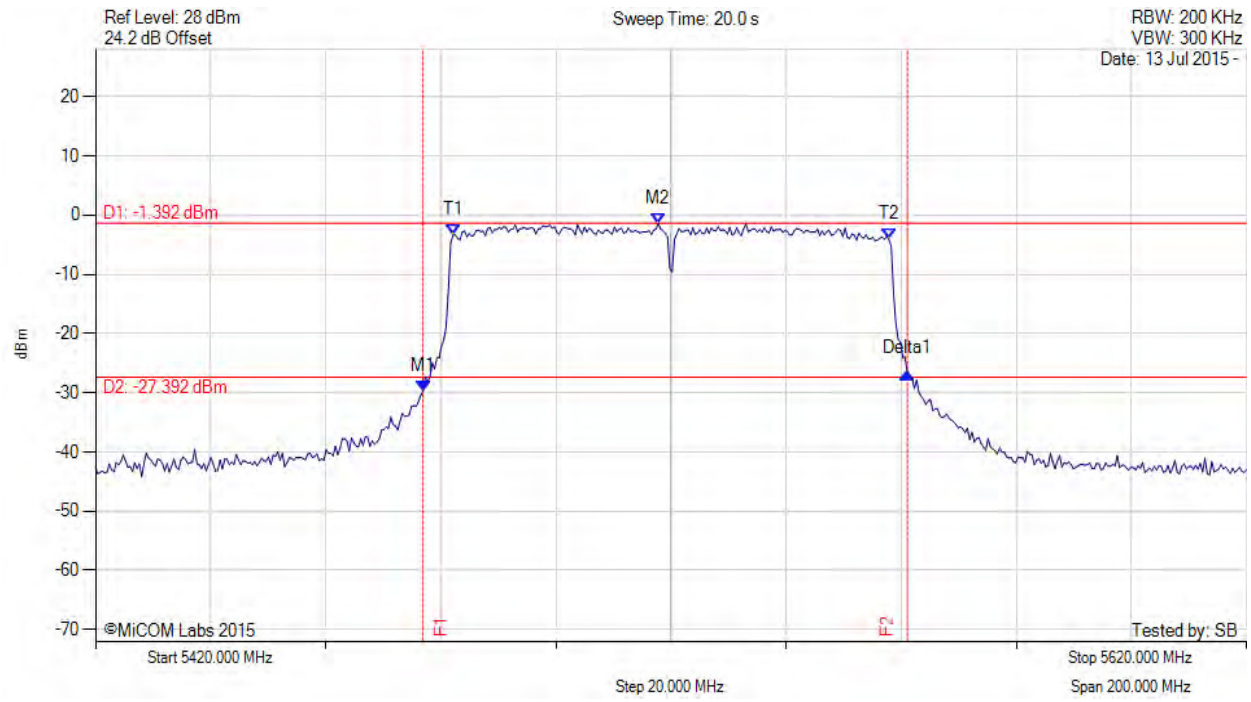
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5718.031 MHz : -19.708 dBm M2 : 5720.536 MHz : 7.268 dBm Delta1 : 6.889 MHz : 0.612 dB T1 : 5719.008 MHz : -3.491 dBm T2 : 5723.942 MHz : -5.020 dBm OBW : 4.935 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5520.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



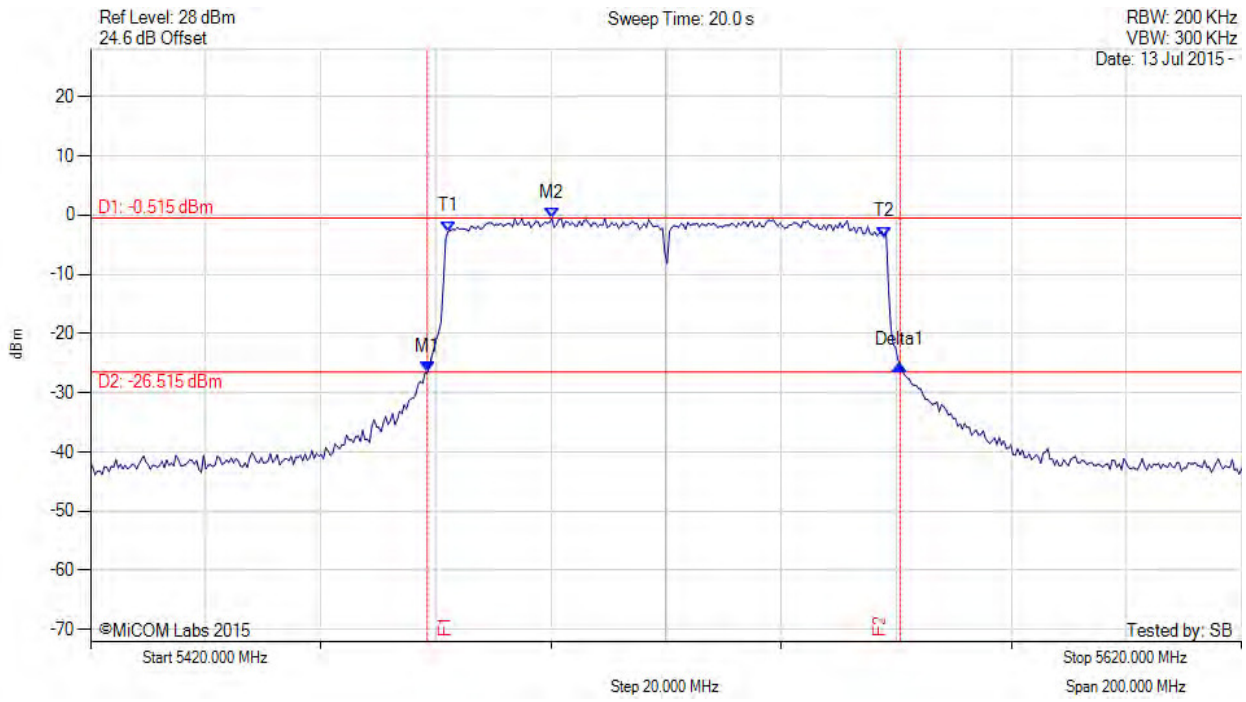
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5476.914 MHz : -29.718 dBm M2 : 5517.796 MHz : -1.392 dBm Delta1 : 84.168 MHz : 2.957 dB T1 : 5482.124 MHz : -3.352 dBm T2 : 5557.876 MHz : -4.115 dBm OBW : 75.752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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5520.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



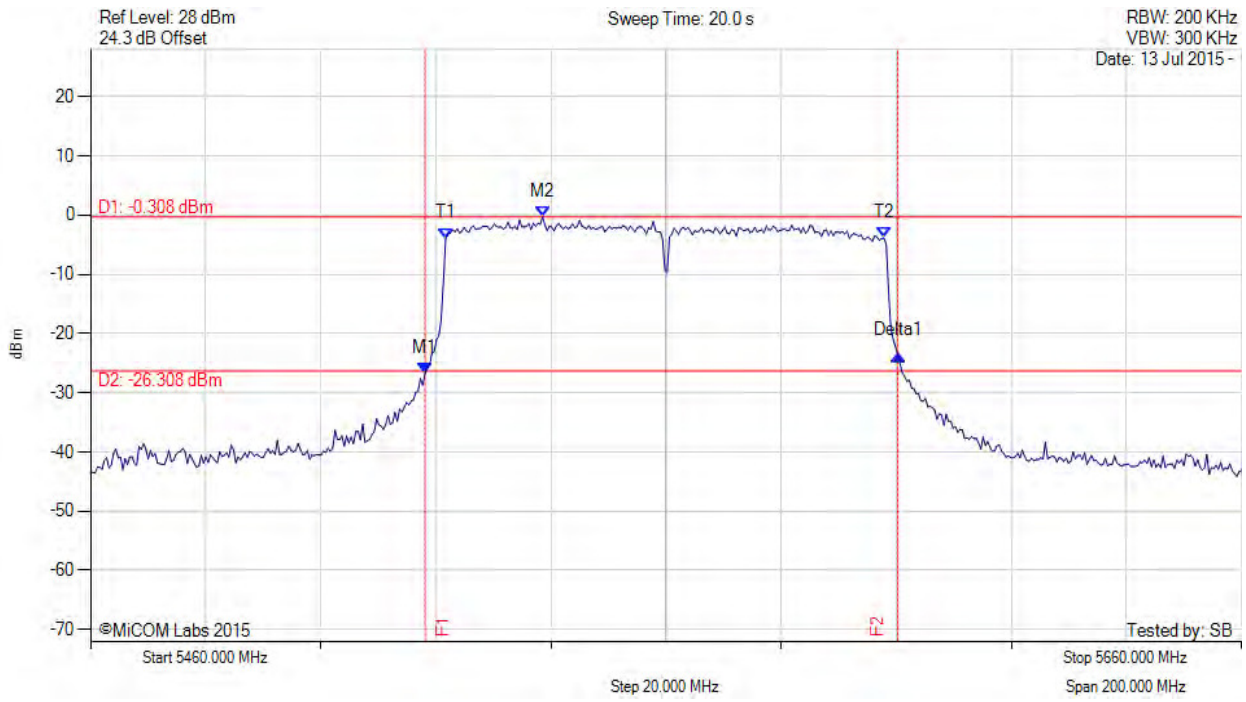
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5478.517 MHz : -26.563 dBm M2 : 5500.160 MHz : -0.515 dBm Delta1 : 82.164 MHz : 1.186 dB T1 : 5482.124 MHz : -2.760 dBm T2 : 5557.876 MHz : -3.692 dBm OBW : 75.752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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5560.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



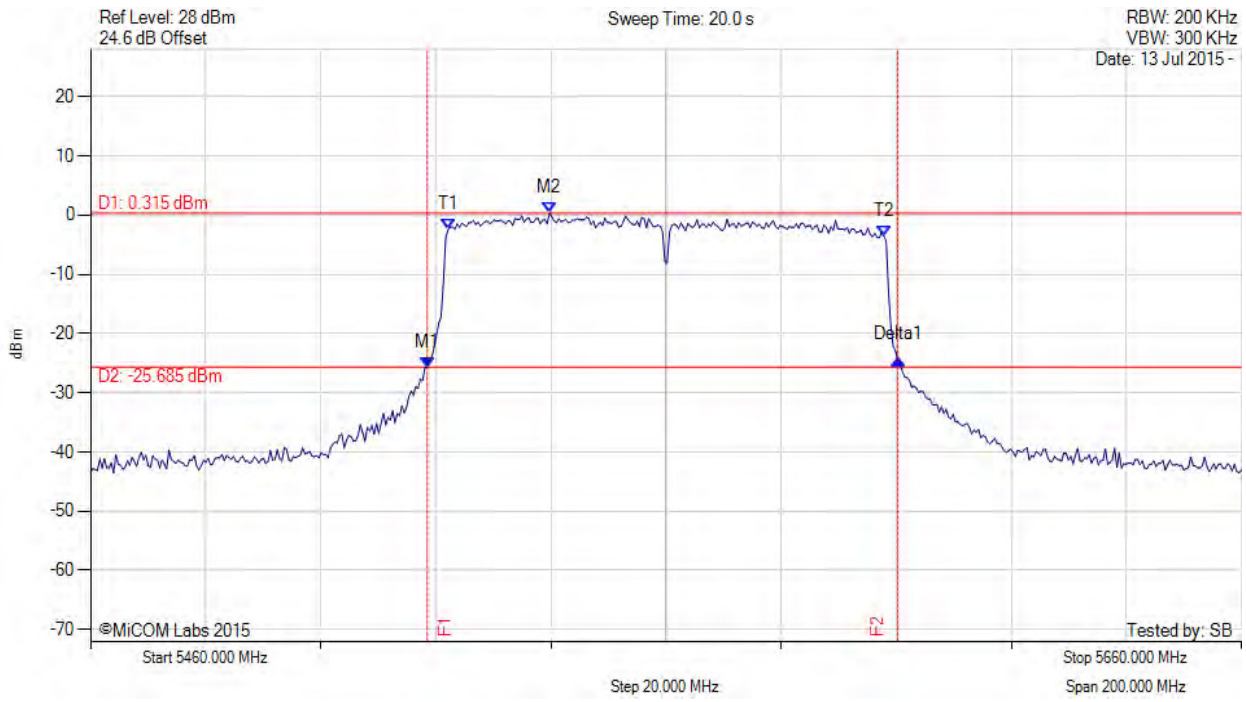
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5518.116 MHz : -26.779 dBm M2 : 5538.557 MHz : -0.308 dBm Delta1 : 82.164 MHz : 3.183 dB T1 : 5521.723 MHz : -3.932 dBm T2 : 5597.876 MHz : -3.875 dBm OBW : 76.152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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5560.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



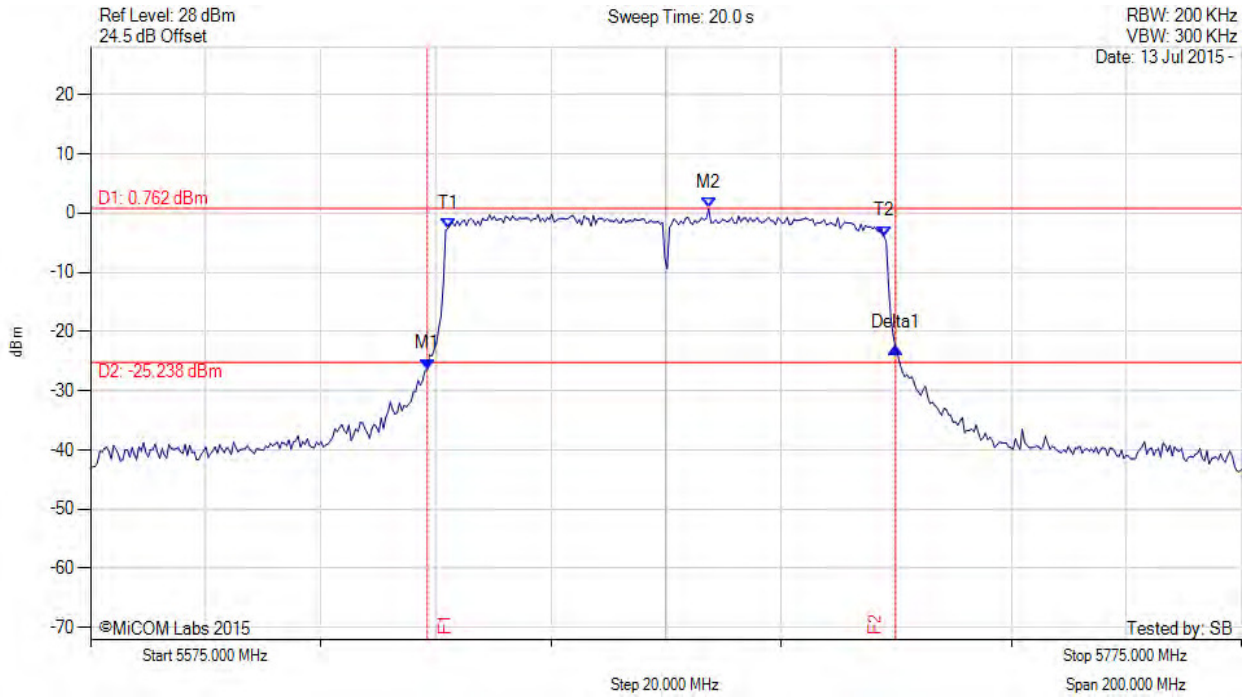
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5518.517 MHz : -25.736 dBm M2 : 5539.760 MHz : 0.315 dBm Delta1 : 81.764 MHz : 1.273 dB T1 : 5522.124 MHz : -2.461 dBm T2 : 5597.876 MHz : -3.590 dBm OBW : 75.752 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5675.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



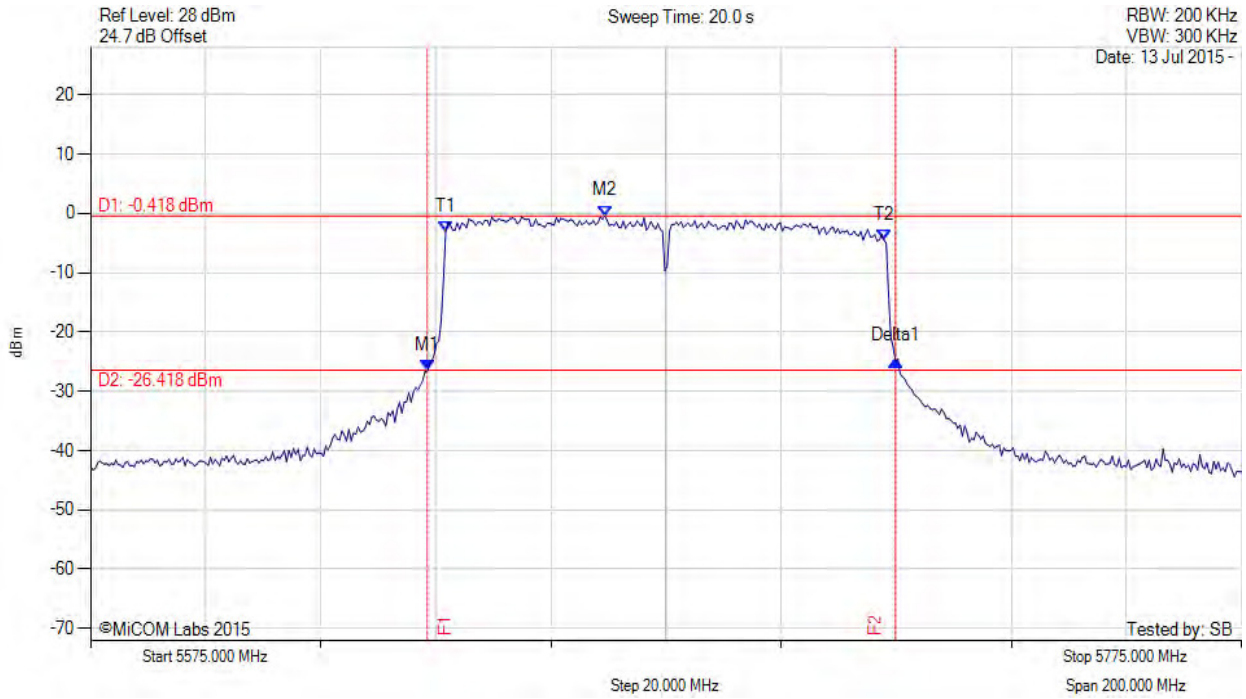
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5633.517 MHz : -26.372 dBm M2 : 5682.415 MHz : 0.762 dBm Delta1 : 81.363 MHz : 3.655 dB T1 : 5637.124 MHz : -2.569 dBm T2 : 5712.876 MHz : -3.940 dBm OBW : 75.752 MHz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

back to matrix

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26 dB & 99% BANDWIDTH

Variant: 80 MHz, Channel: 5675.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



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

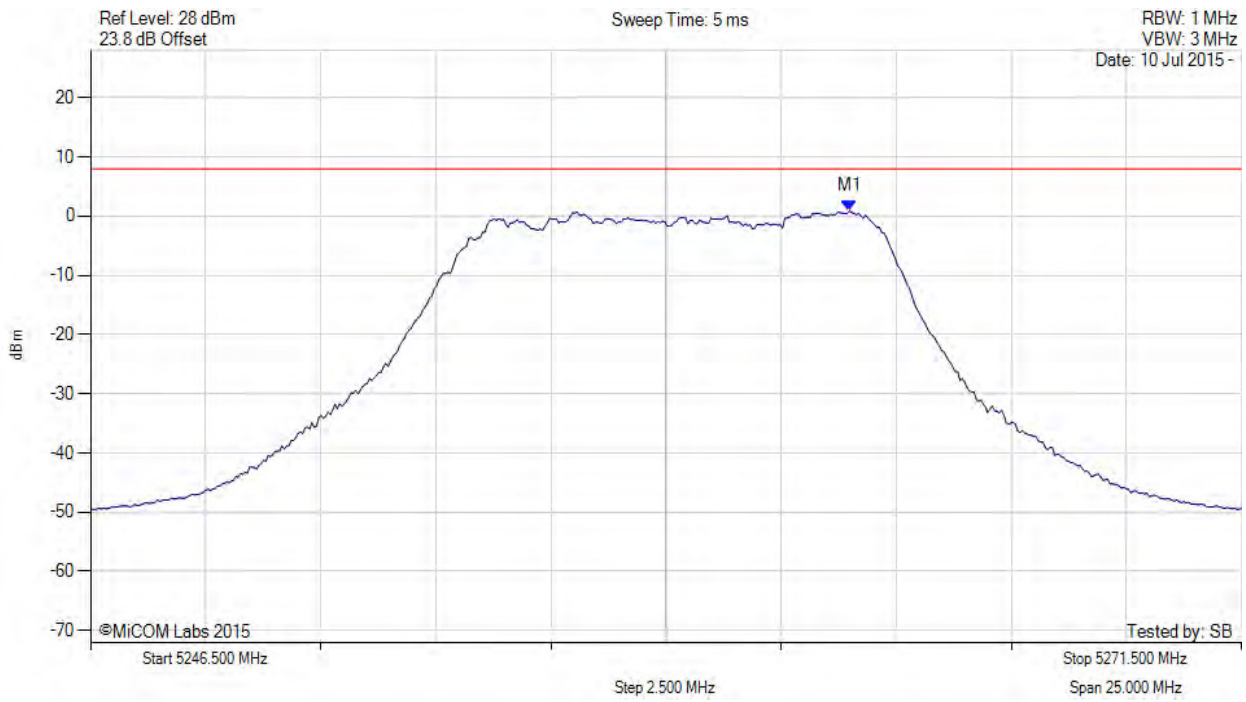
back to matrix

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A.2. Power Spectral Density

POWER SPECTRAL DENSITY

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



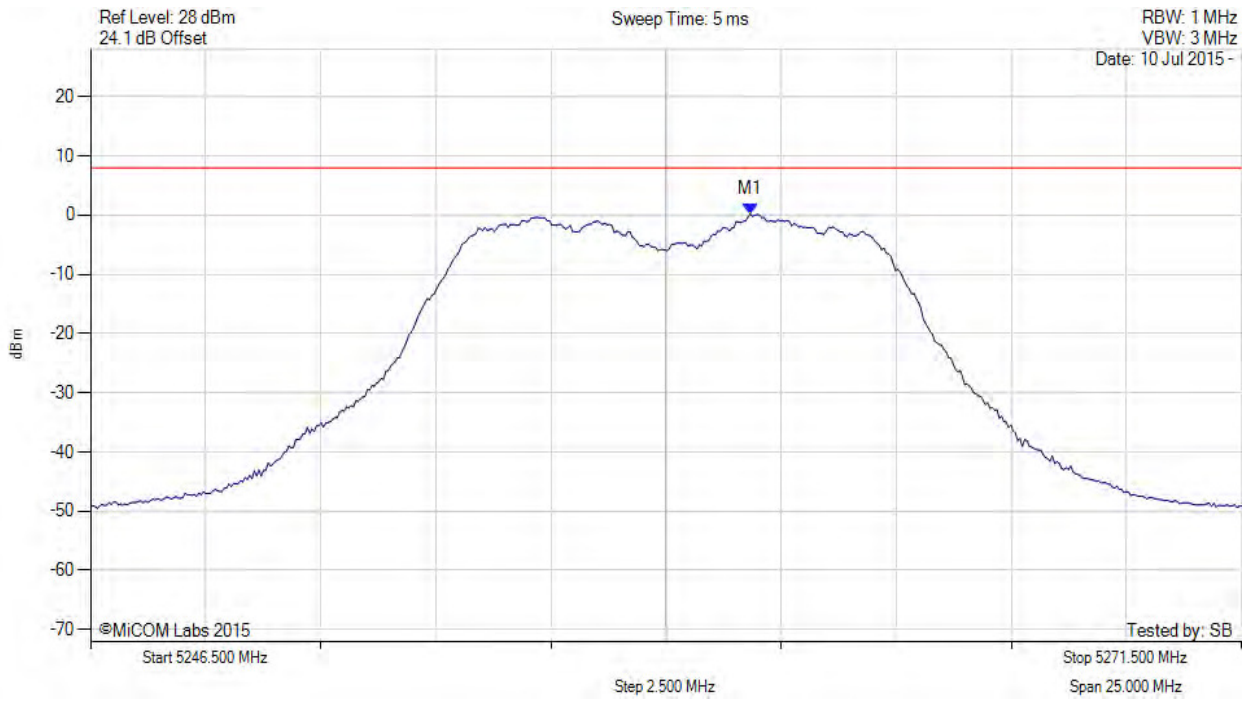
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5262.983 MHz : 0.854 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

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



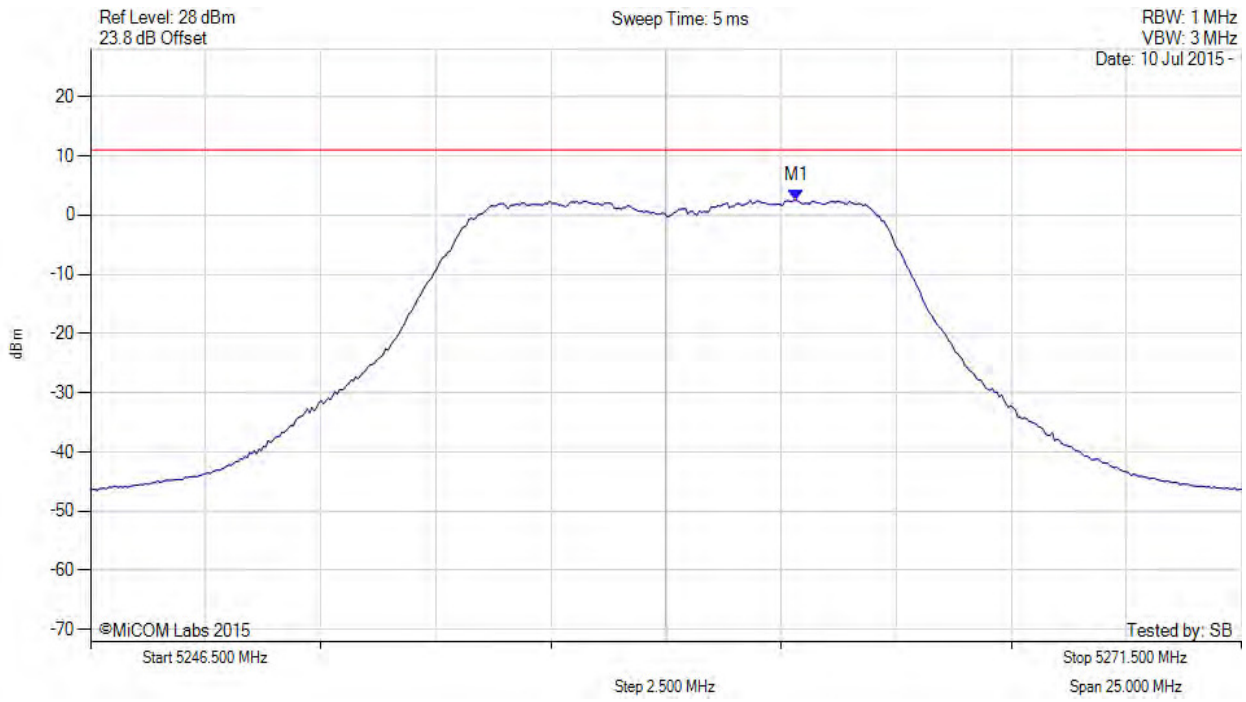
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5260.829 MHz : 0.191 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

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



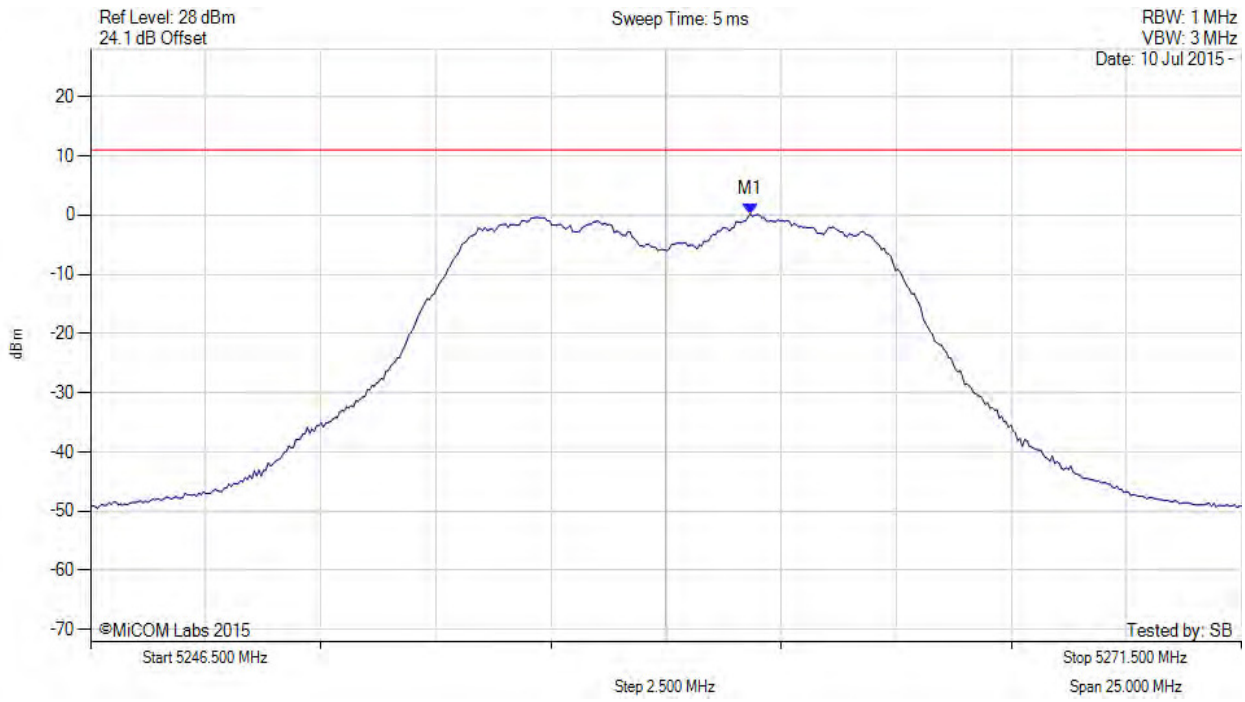
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5261.800 MHz : 2.504 dBm M1 + DCCF : 5261.800 MHz : 3.010 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 11.0 dBm Margin: -8.0 dB

back to matrix

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POWER SPECTRAL DENSITY

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



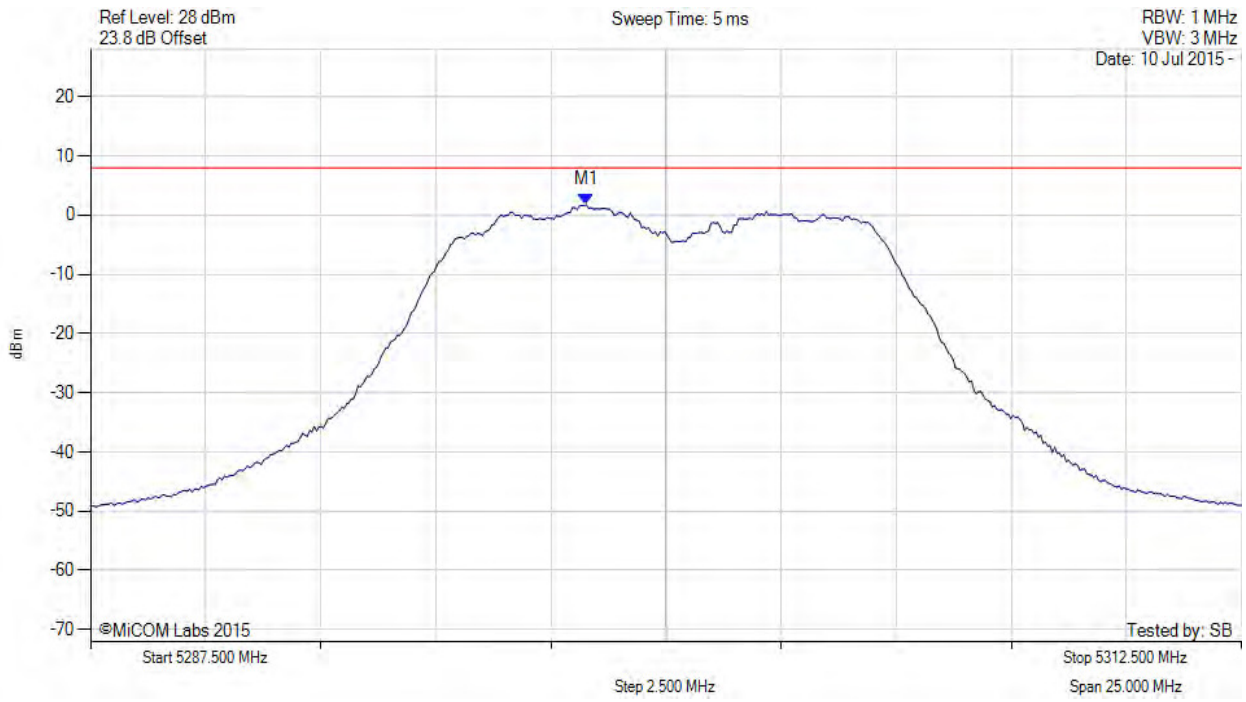
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5260.800 MHz : 0.191 dBm M1 + DCCF : 5260.800 MHz : 0.697 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 11.0 dBm Margin: -10.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



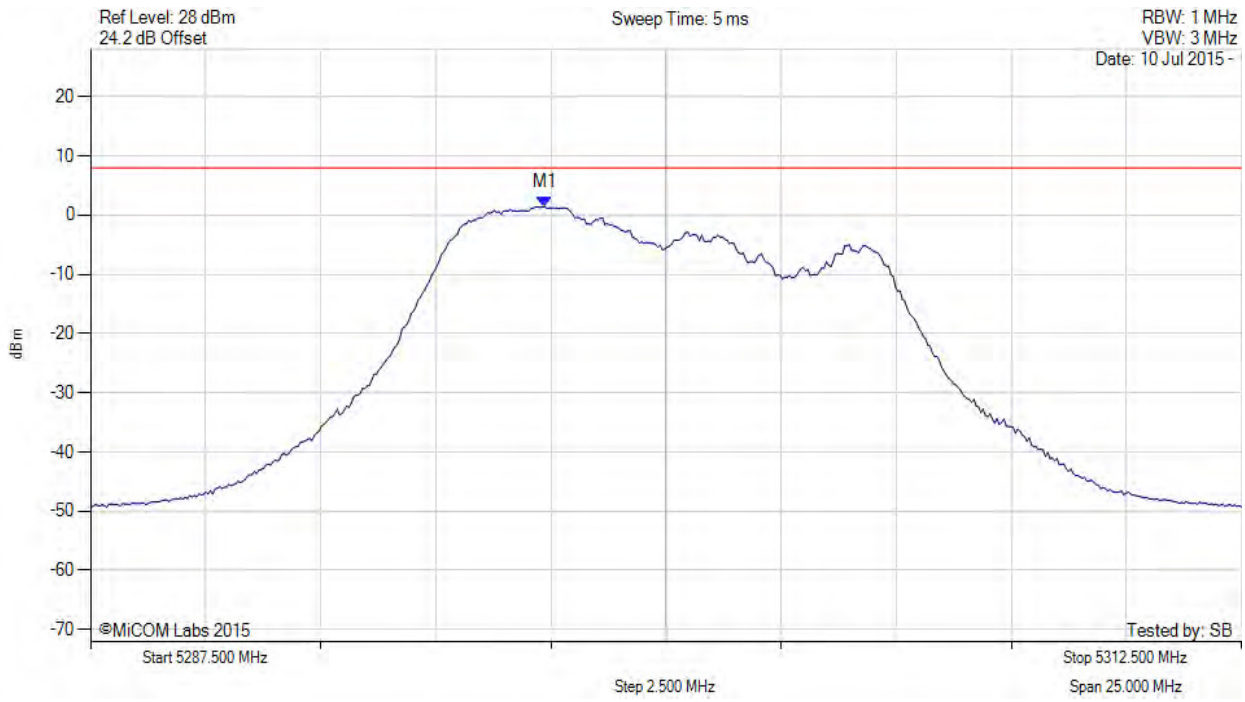
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5298.272 MHz : 1.724 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



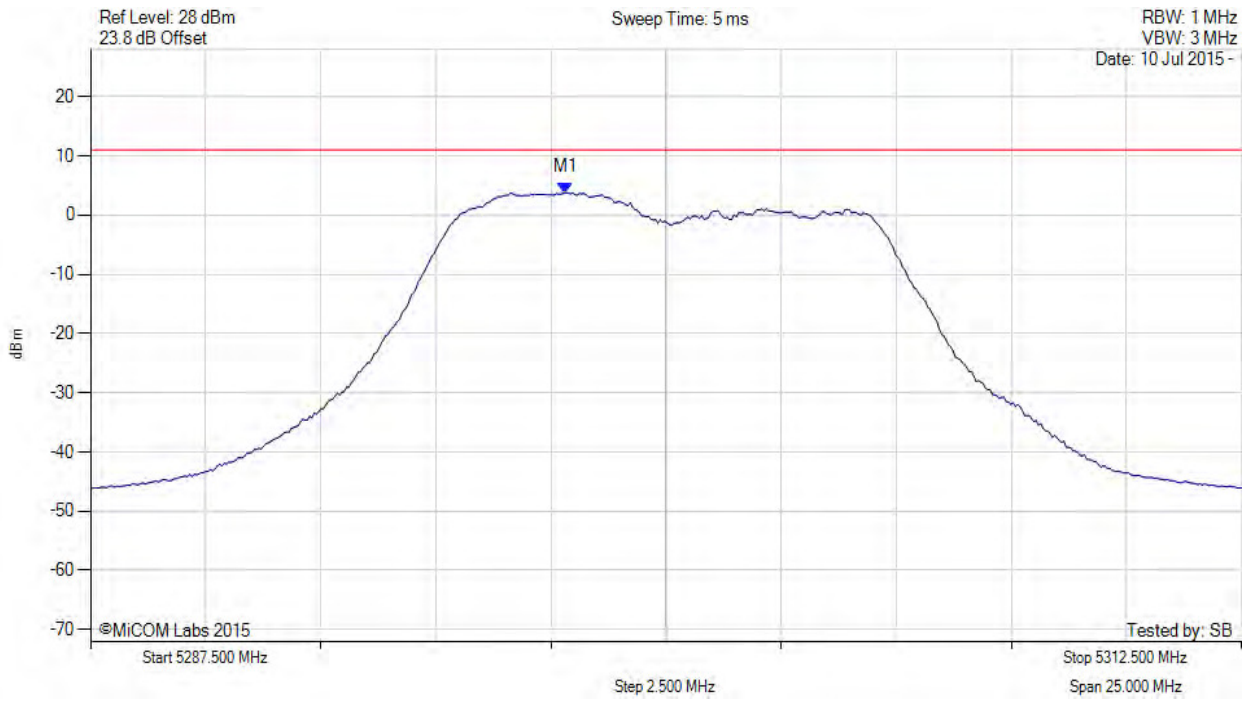
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5297.370 MHz : 1.396 dBm	Channel Frequency: 5300.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



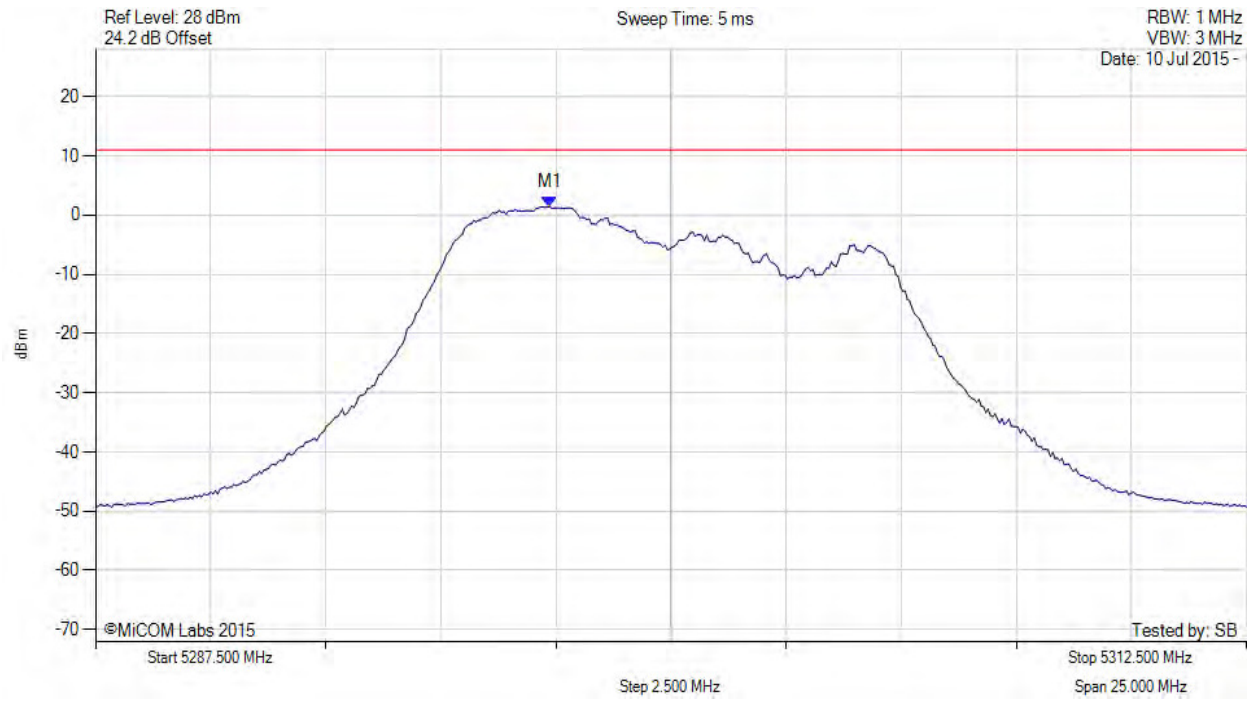
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5297.800 MHz : 3.786 dBm M1 + DCCF : 5297.800 MHz : 4.292 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 11.0 dBm Margin: -6.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



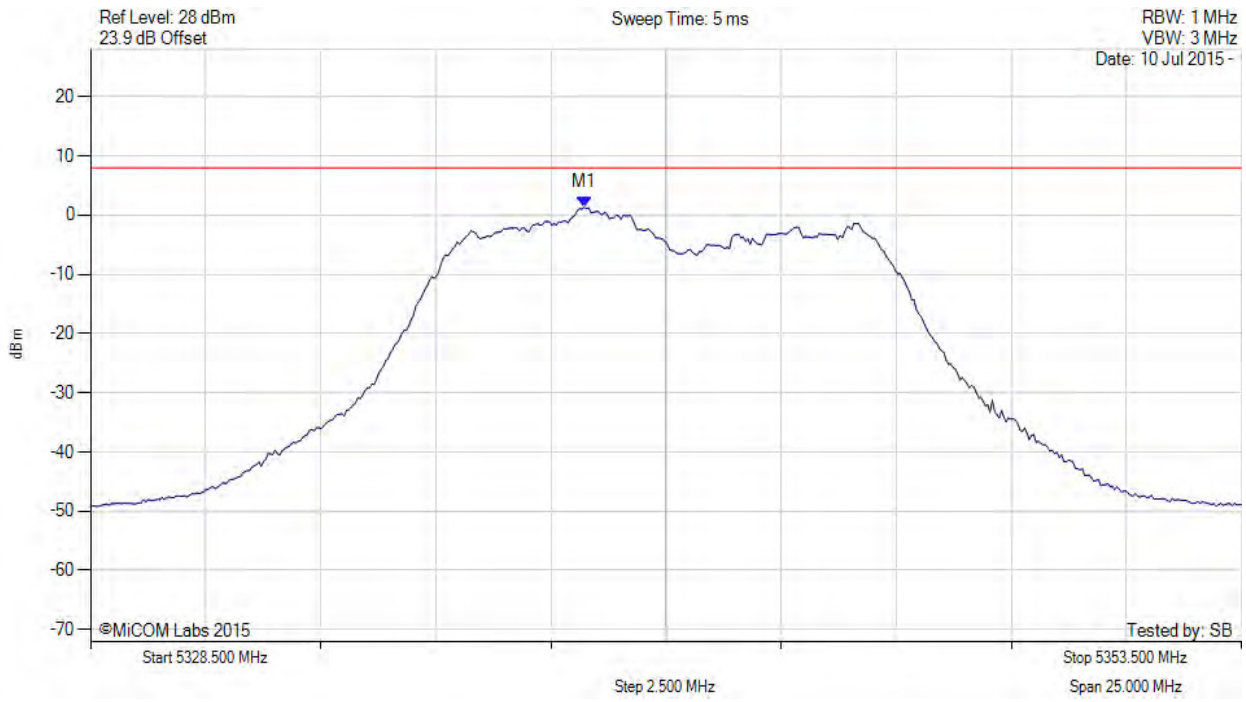
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5297.400 MHz : 1.396 dBm M1 + DCCF : 5297.400 MHz : 1.902 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 11.0 dBm Margin: -9.1 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5341.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



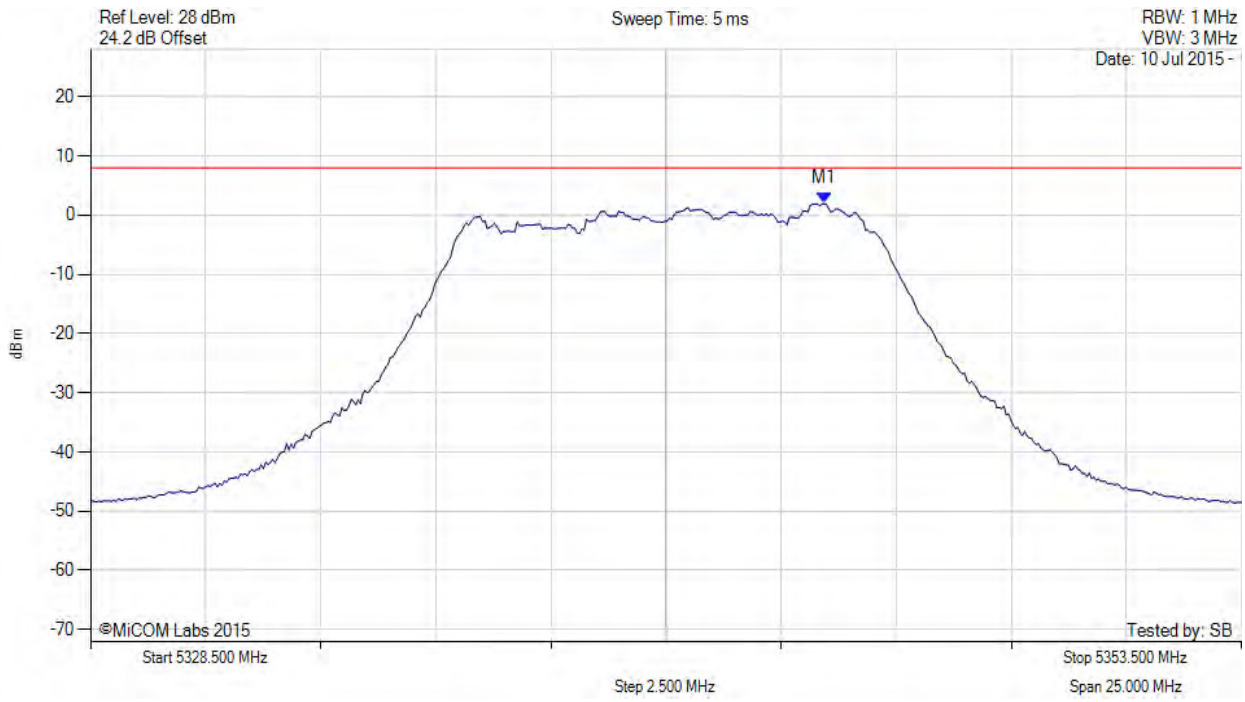
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5339.221 MHz : 1.285 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5341.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



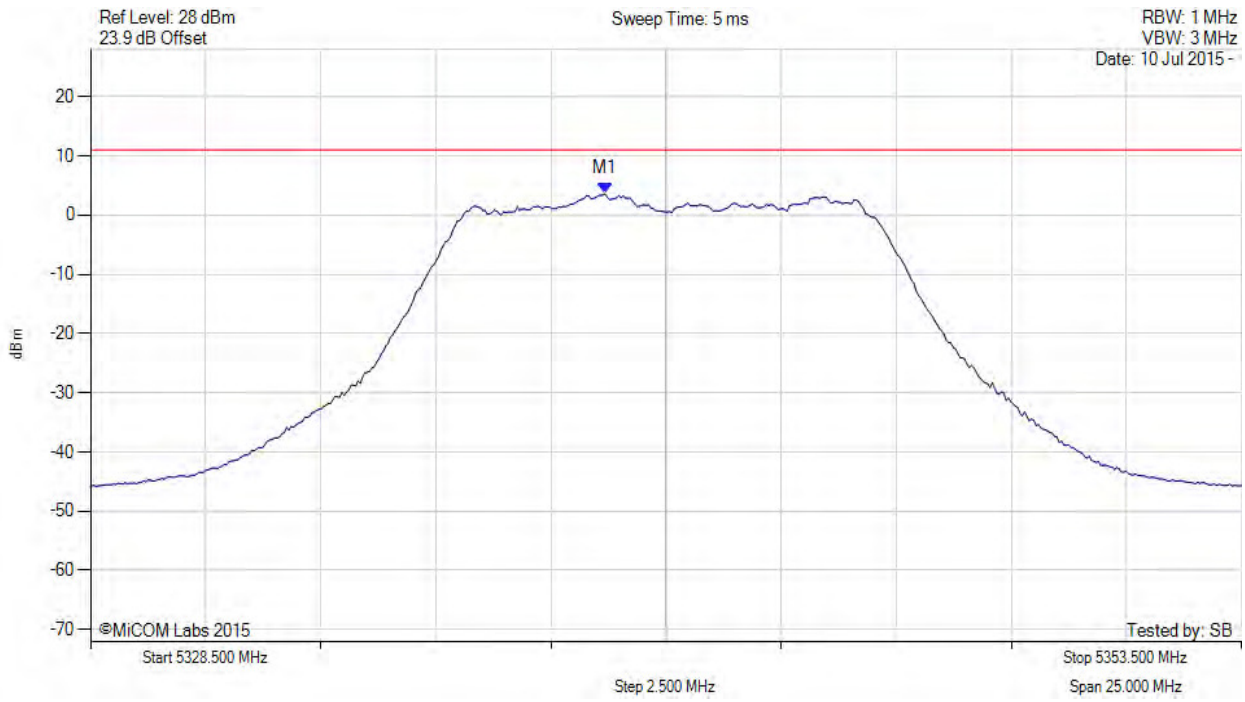
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5344.432 MHz : 1.946 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5341.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



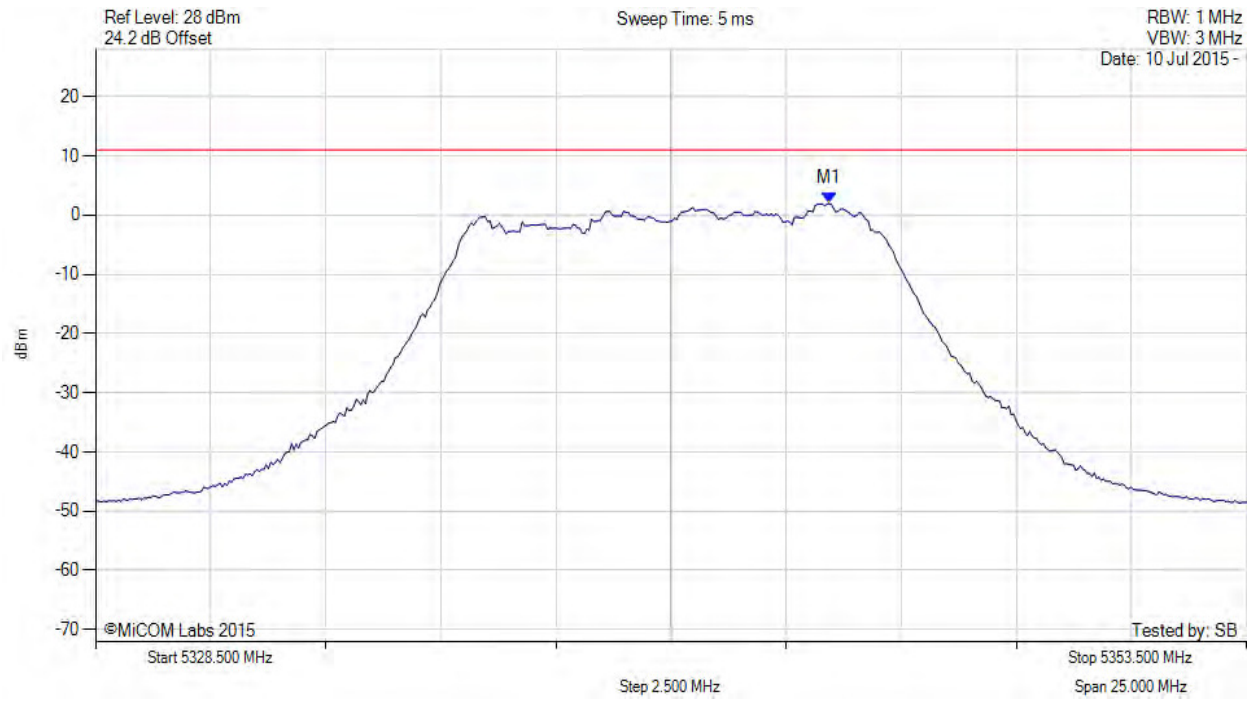
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5339.700 MHz : 3.579 dBm M1 + DCCF : 5339.700 MHz : 4.085 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 11.0 dBm Margin: -6.9 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5341.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



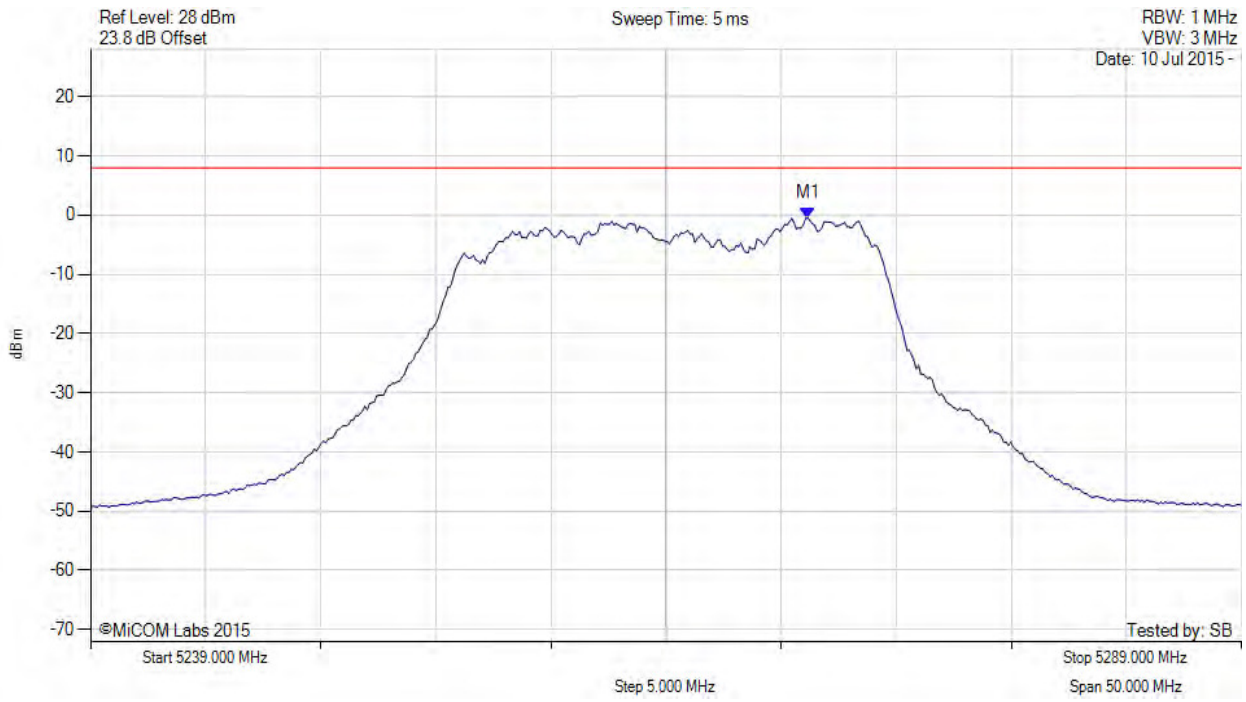
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5344.400 MHz : 1.946 dBm M1 + DCCF : 5344.400 MHz : 2.452 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 11.0 dBm Margin: -8.6 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5264.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



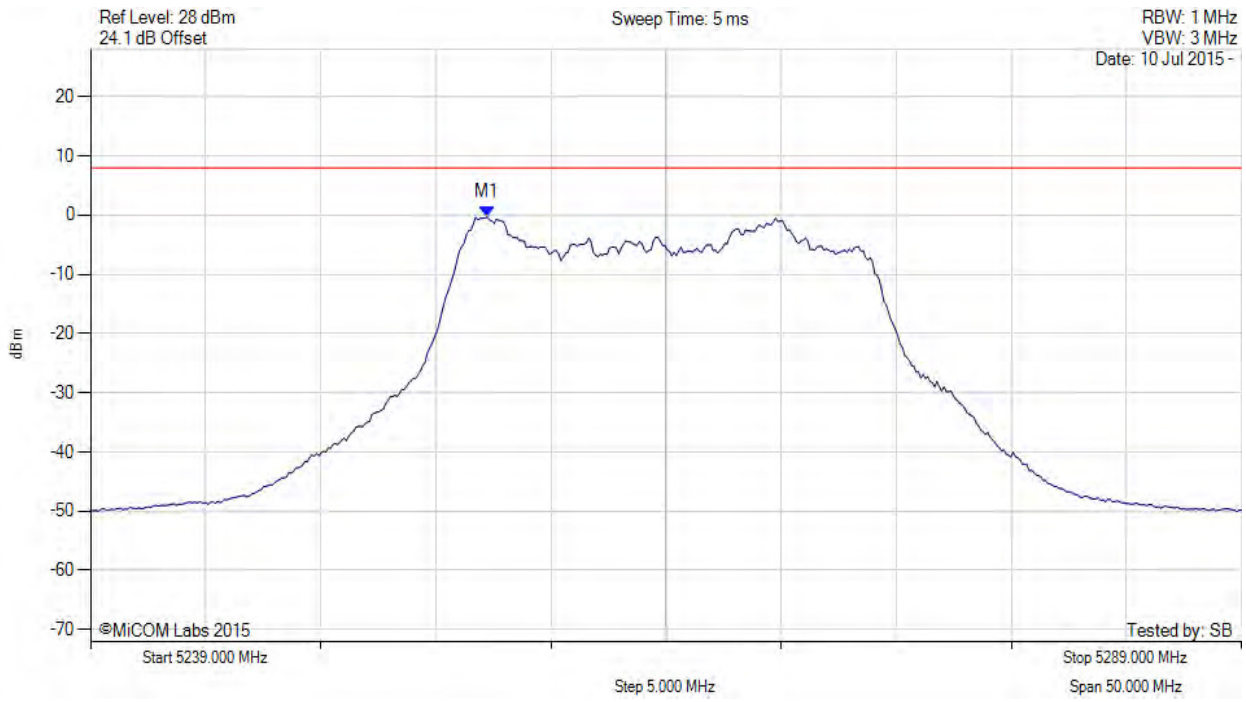
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5270.162 MHz : -0.478 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5264.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



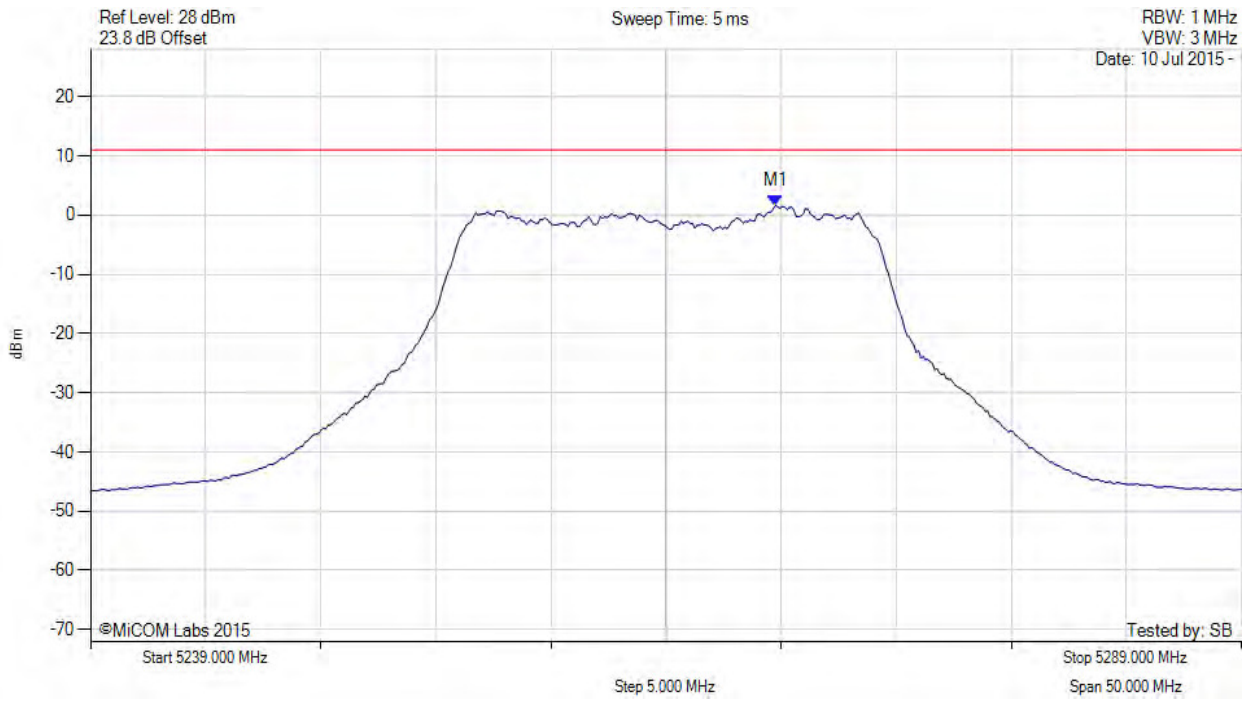
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5256.234 MHz : -0.273 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5264.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



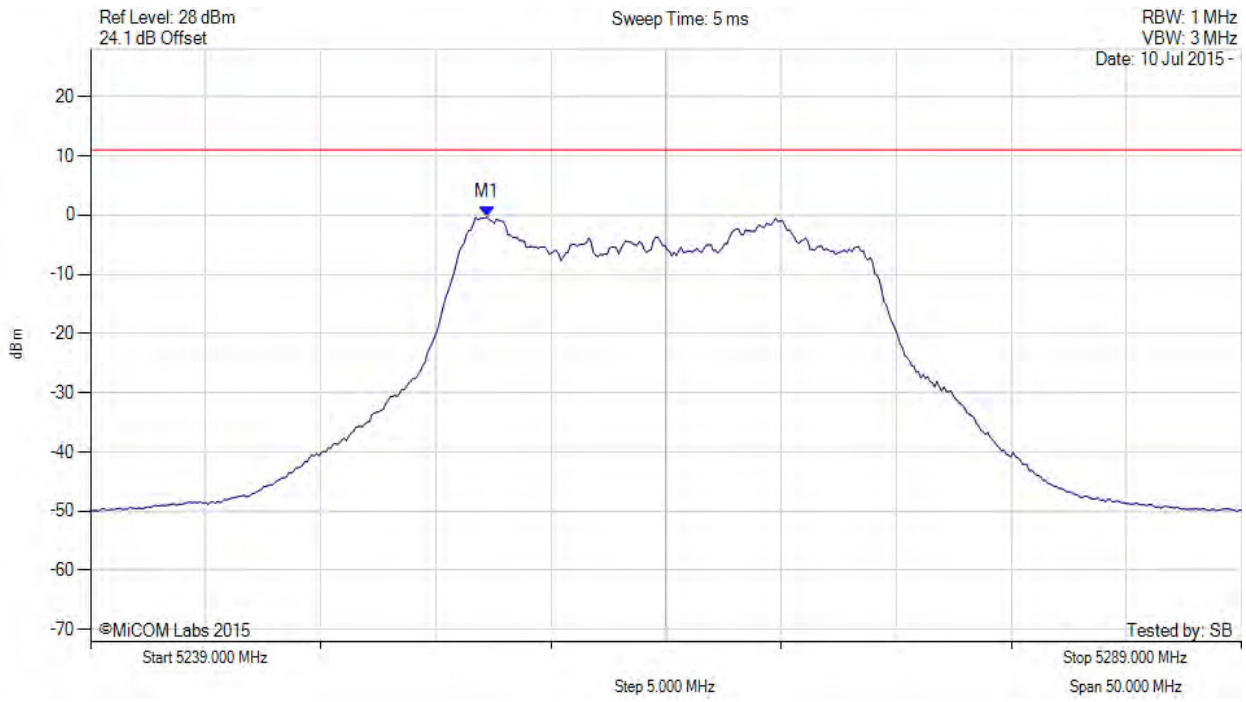
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5268.800 MHz : 1.644 dBm M1 + DCCF : 5268.800 MHz : 2.299 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 11.0 dBm Margin: -8.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5264.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



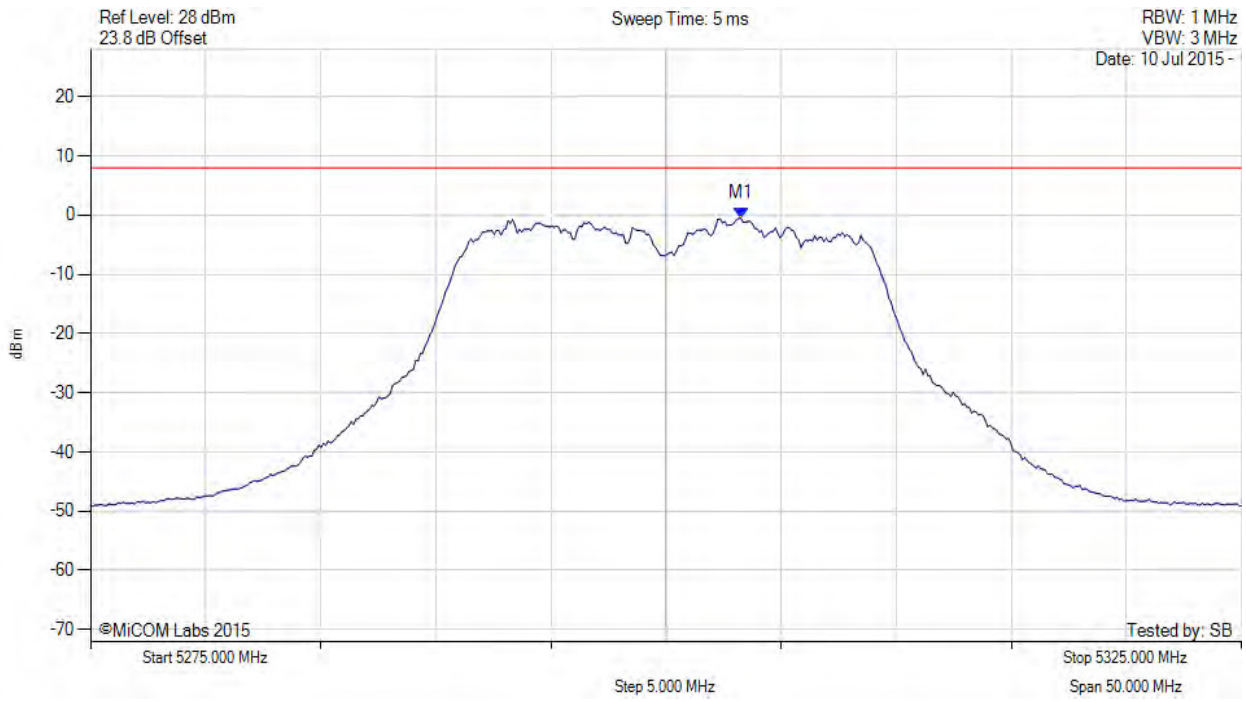
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5256.200 MHz : -0.273 dBm M1 + DCCF : 5256.200 MHz : 0.382 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 11.0 dBm Margin: -10.6 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



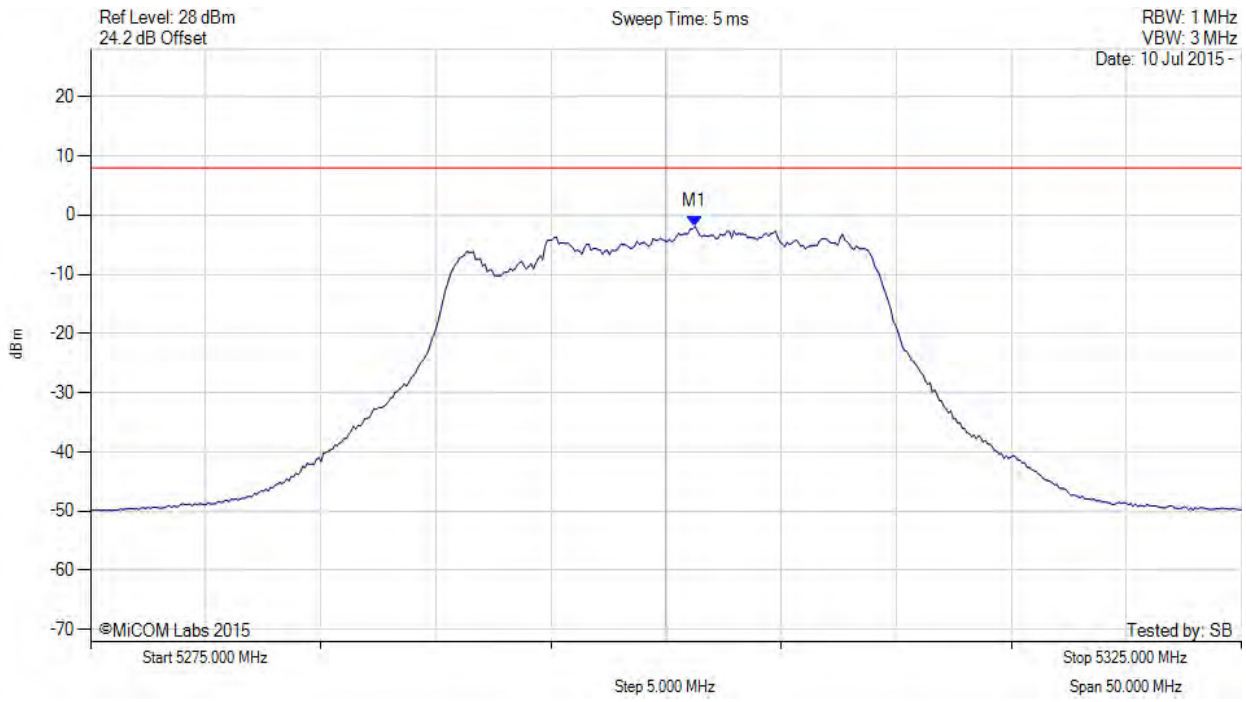
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5303.257 MHz : -0.580 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



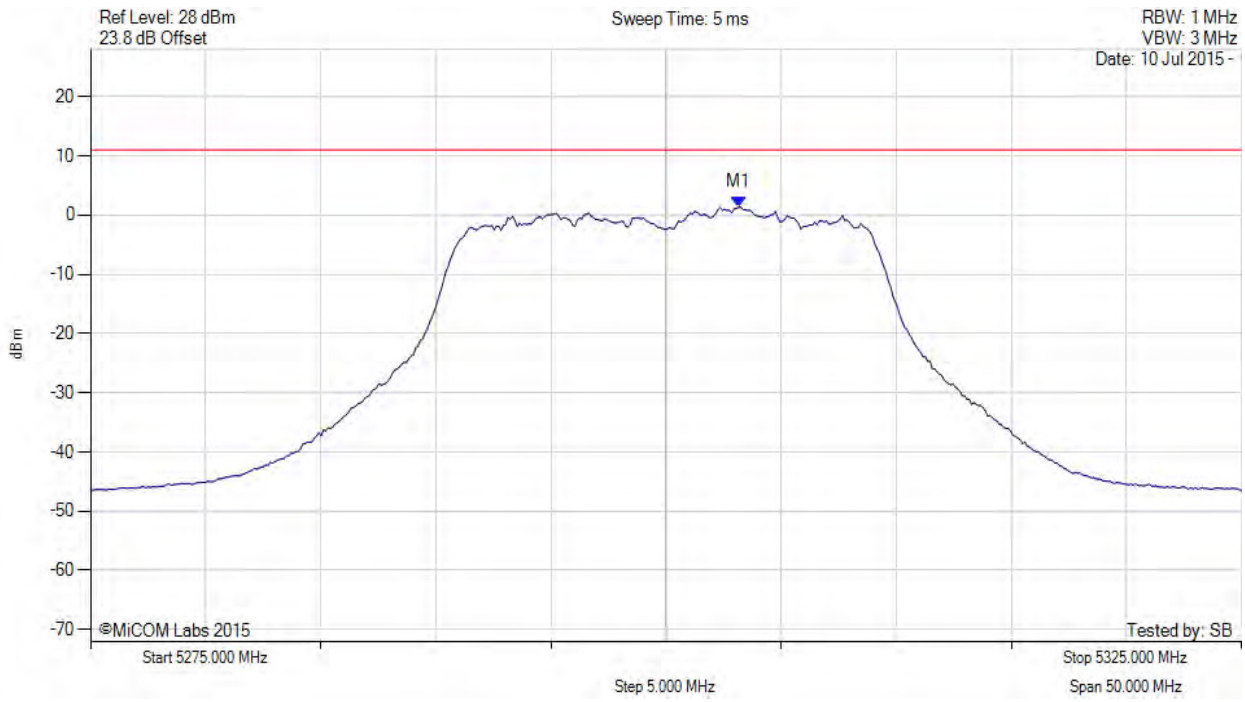
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5301.253 MHz : -1.897 dBm	Channel Frequency: 5300.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



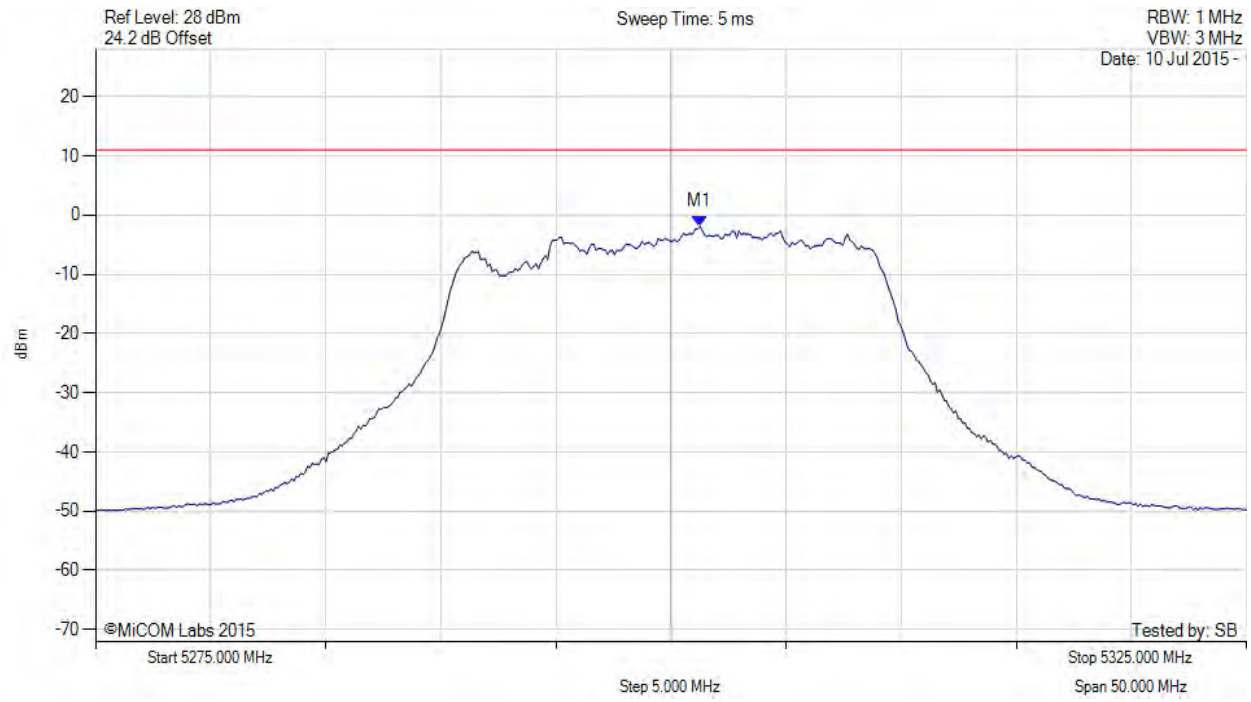
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5303.200 MHz : 1.347 dBm M1 + DCCF : 5303.200 MHz : 2.002 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 11.0 dBm Margin: -9.0 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



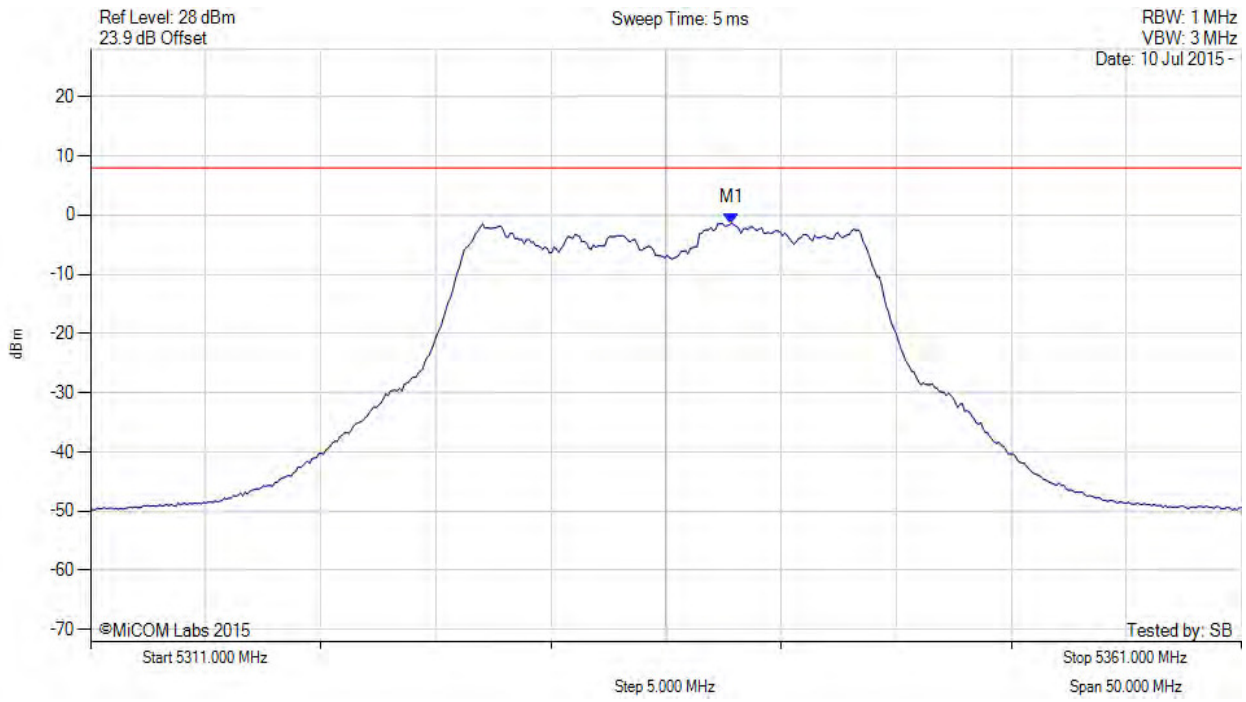
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5301.300 MHz : -1.897 dBm M1 + DCCF : 5301.300 MHz : -1.242 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 11.0 dBm Margin: -12.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5336.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



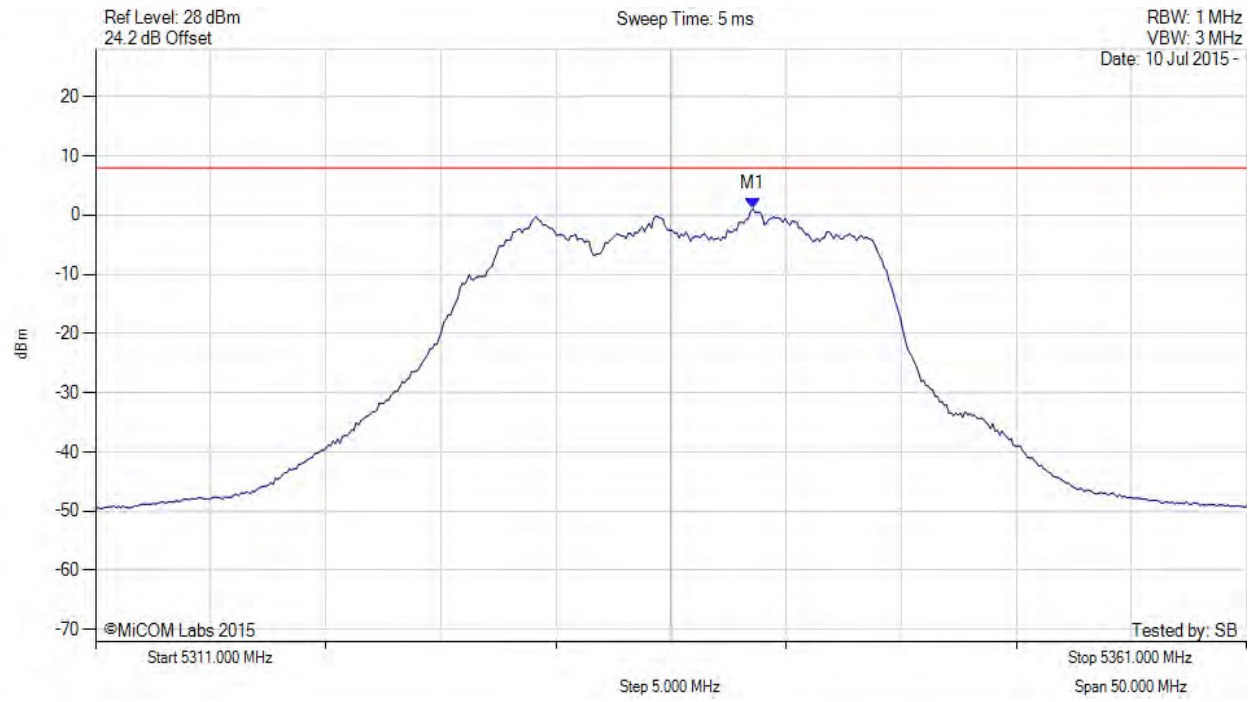
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5338.856 MHz : -1.365 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5336.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



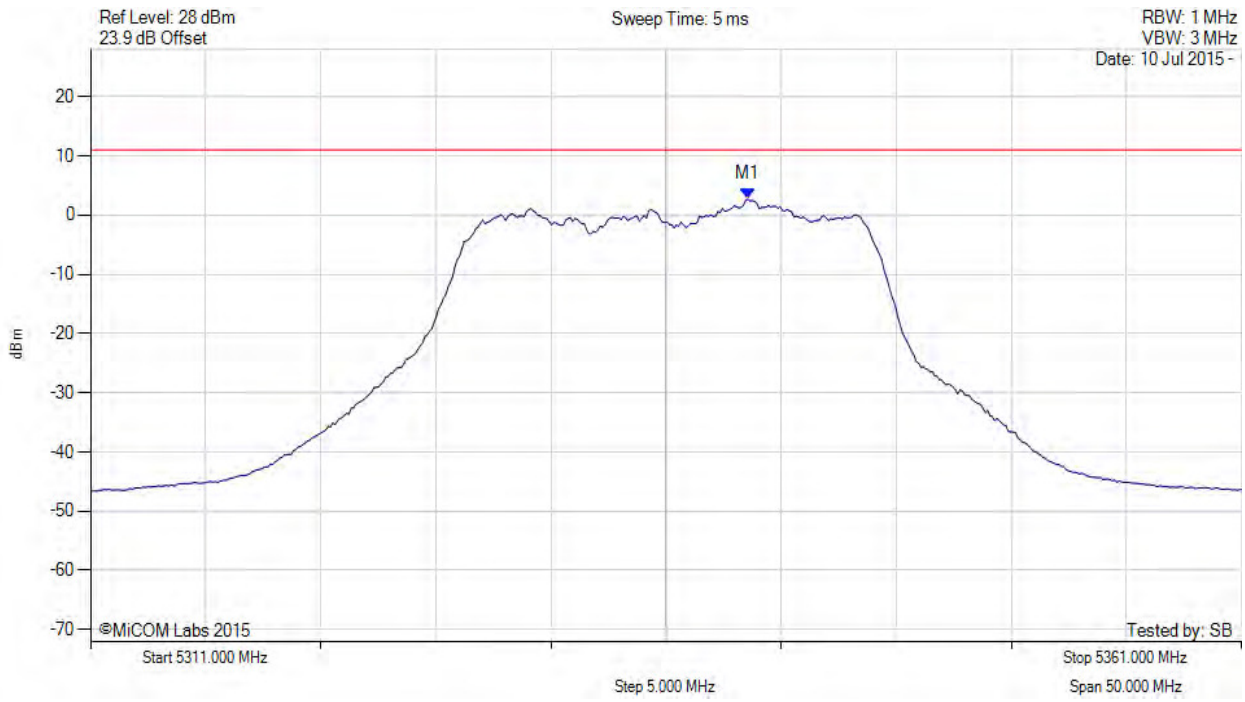
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5339.557 MHz : 1.086 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5336.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



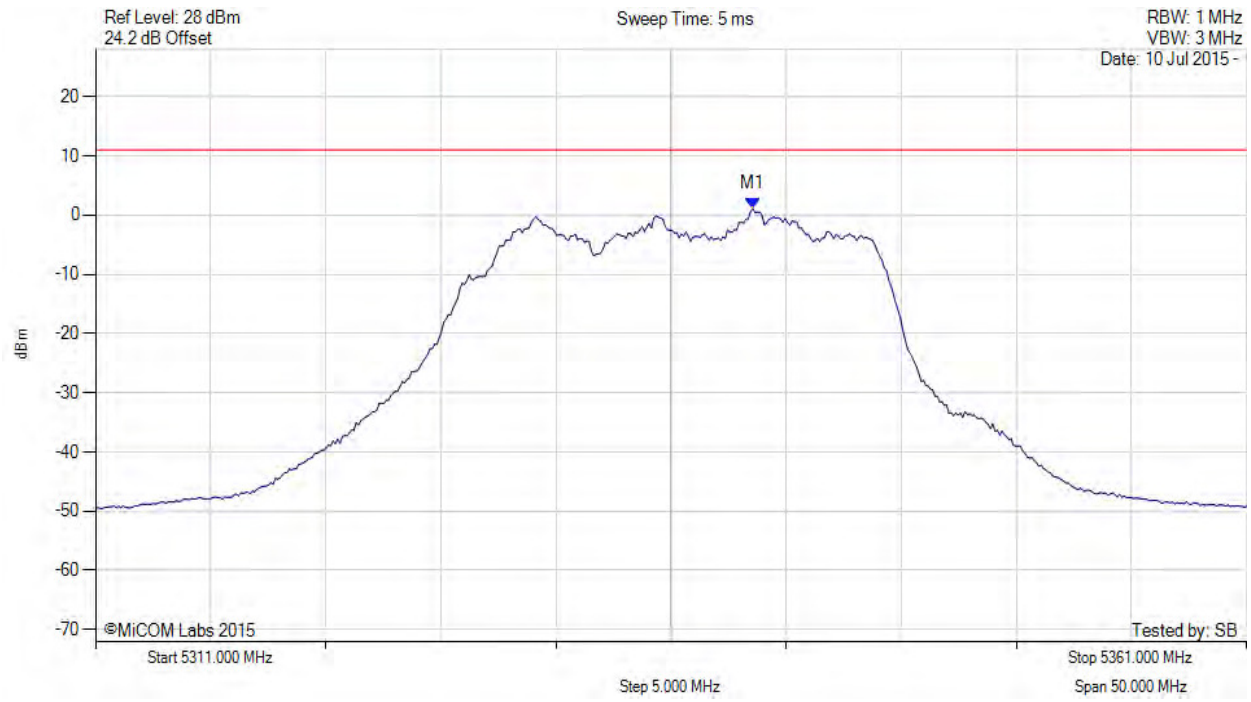
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5339.600 MHz : 2.681 dBm M1 + DCCF : 5339.600 MHz : 3.336 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 11.0 dBm Margin: -7.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5336.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



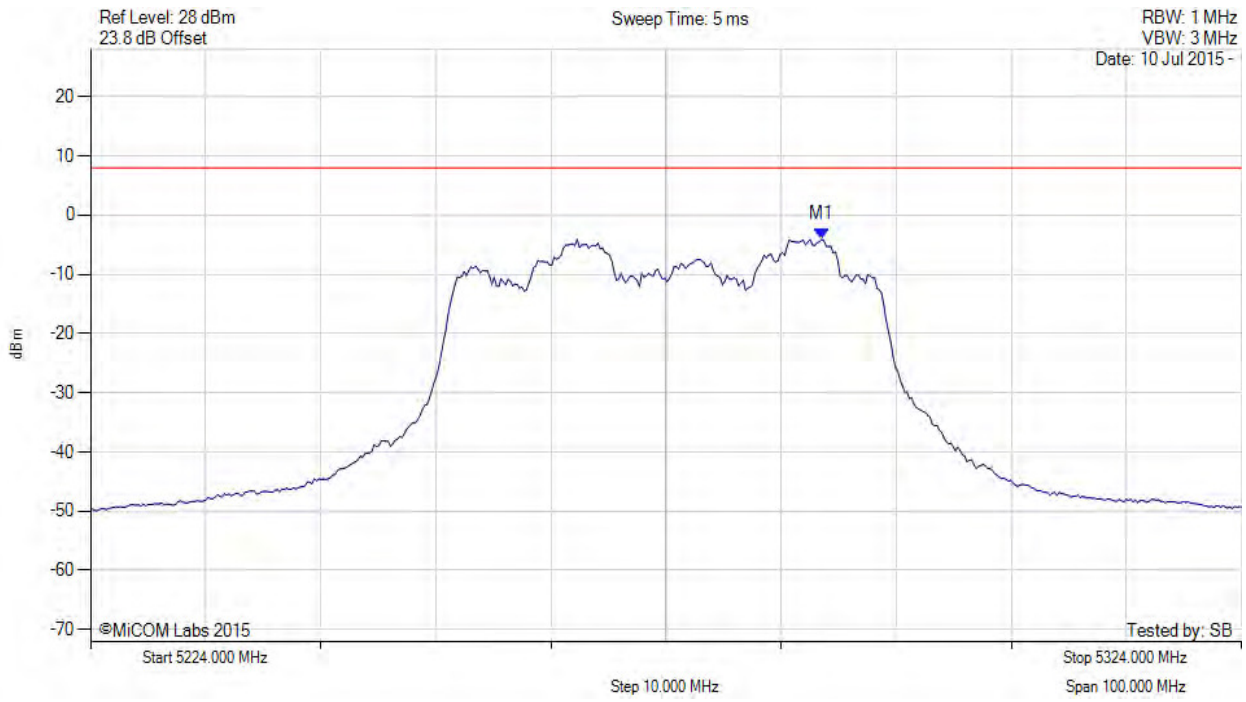
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5339.600 MHz : 1.086 dBm M1 + DCCF : 5339.600 MHz : 1.741 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 11.0 dBm Margin: -9.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5274.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



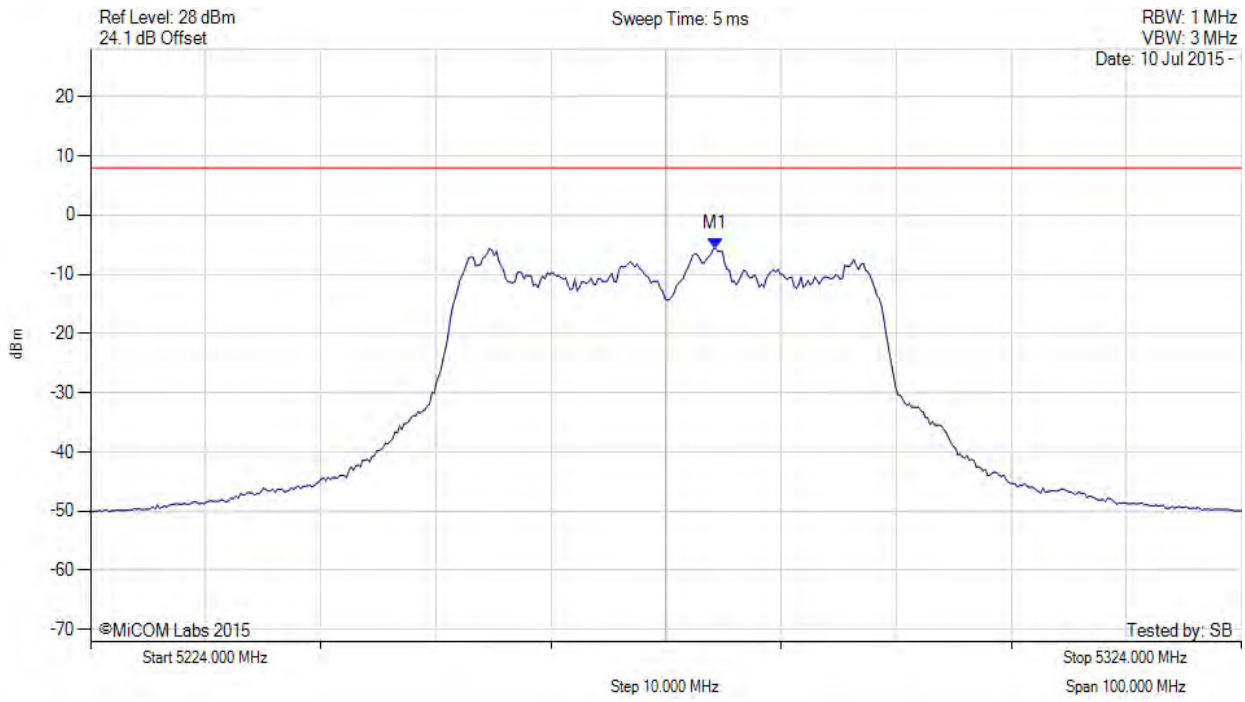
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5287.527 MHz : -4.112 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5274.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



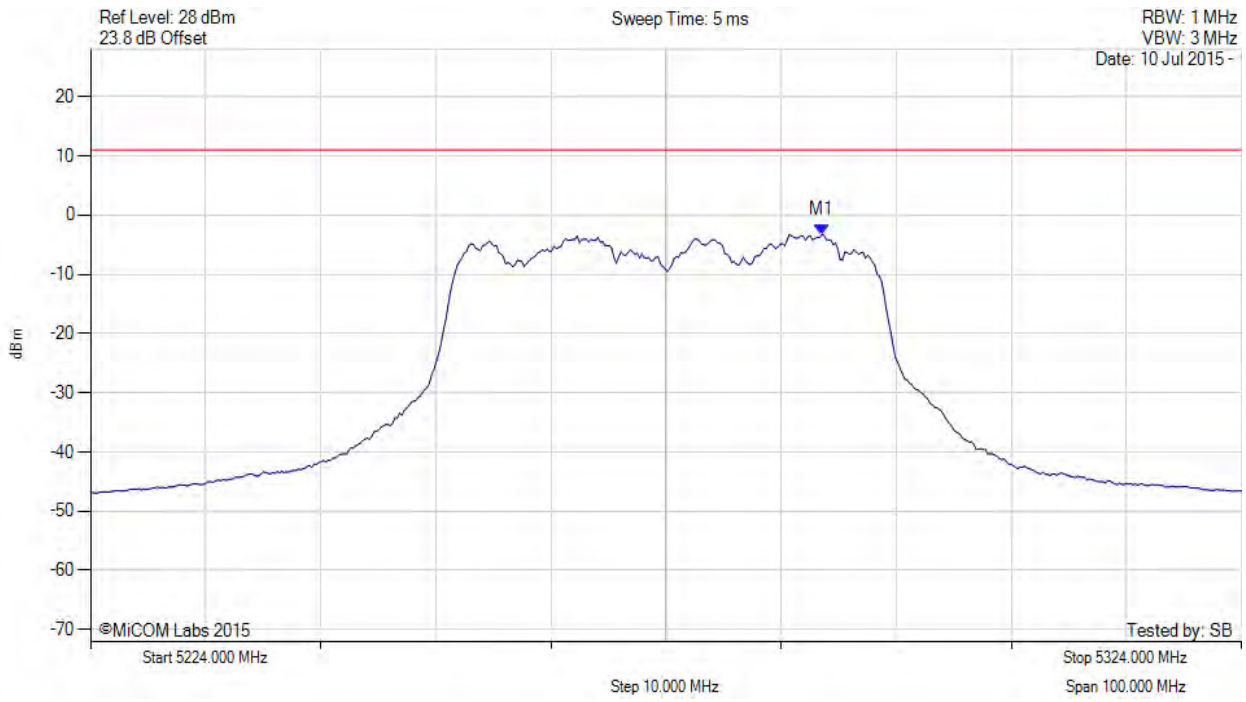
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5278.309 MHz : -5.646 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5274.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



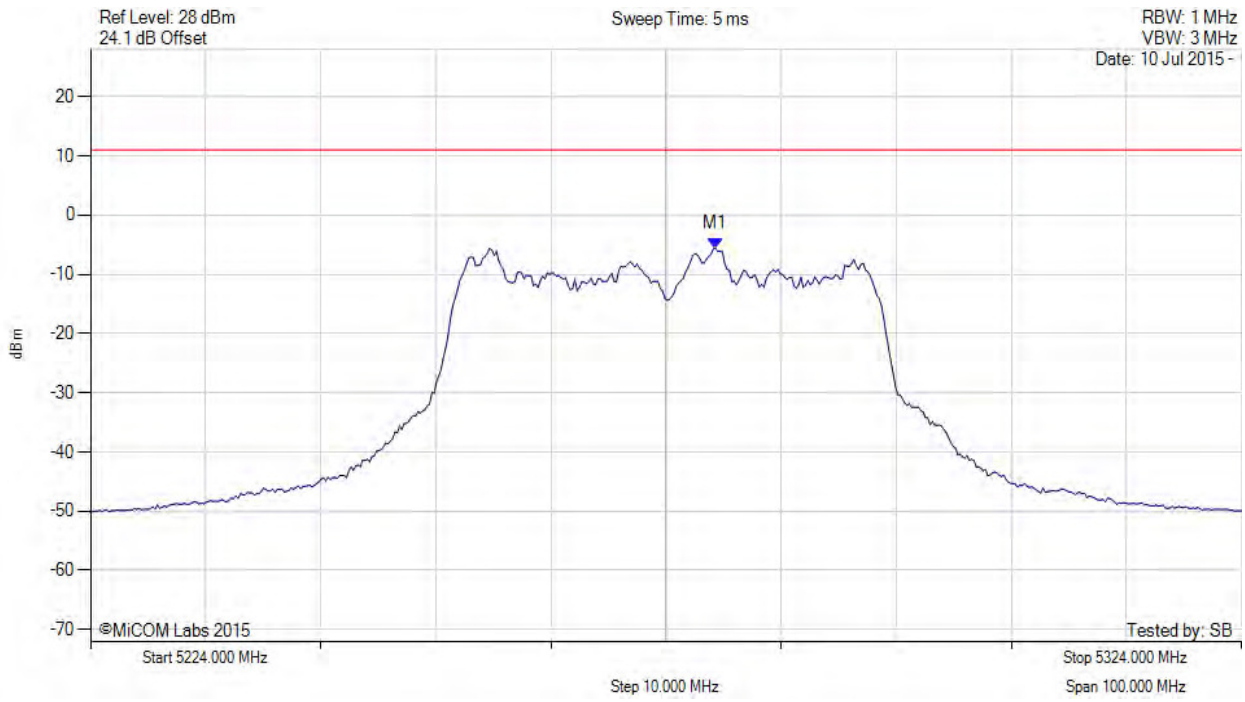
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5287.500 MHz : -3.293 dBm M1 + DCCF : 5287.500 MHz : -2.351 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 11.0 dBm Margin: -13.4 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5274.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



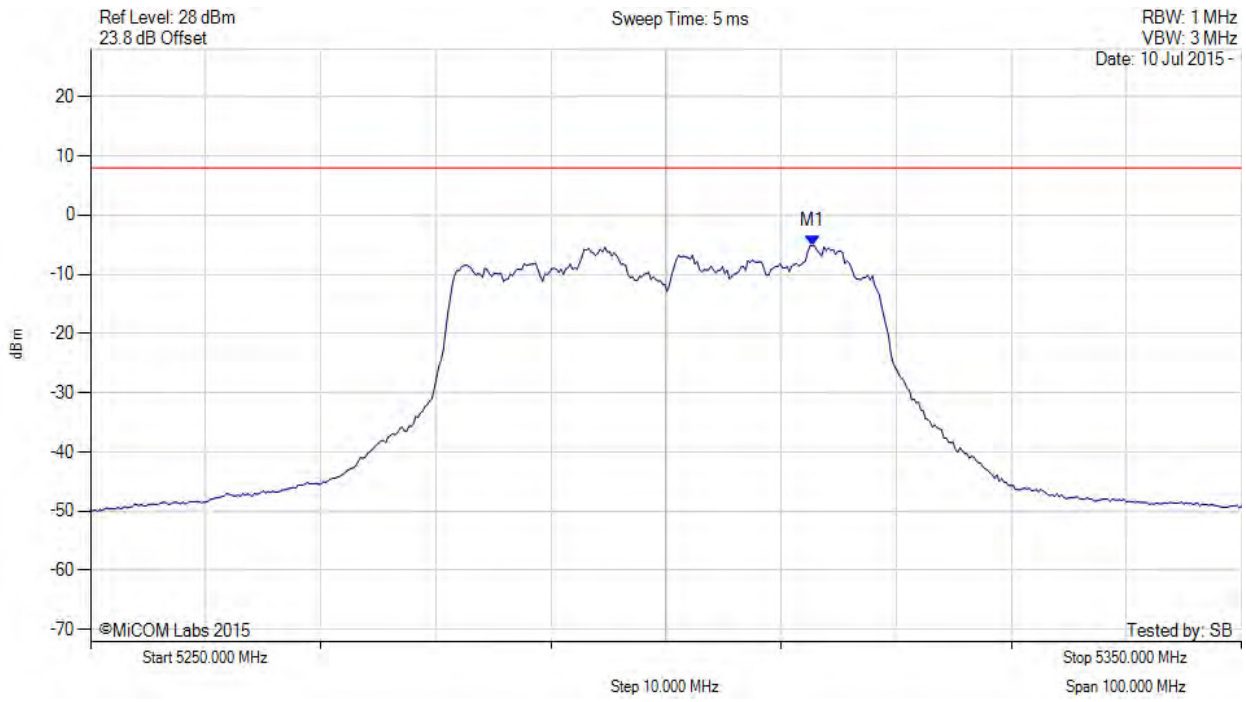
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5278.300 MHz : -5.646 dBm M1 + DCCF : 5278.300 MHz : -4.704 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 11.0 dBm Margin: -15.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



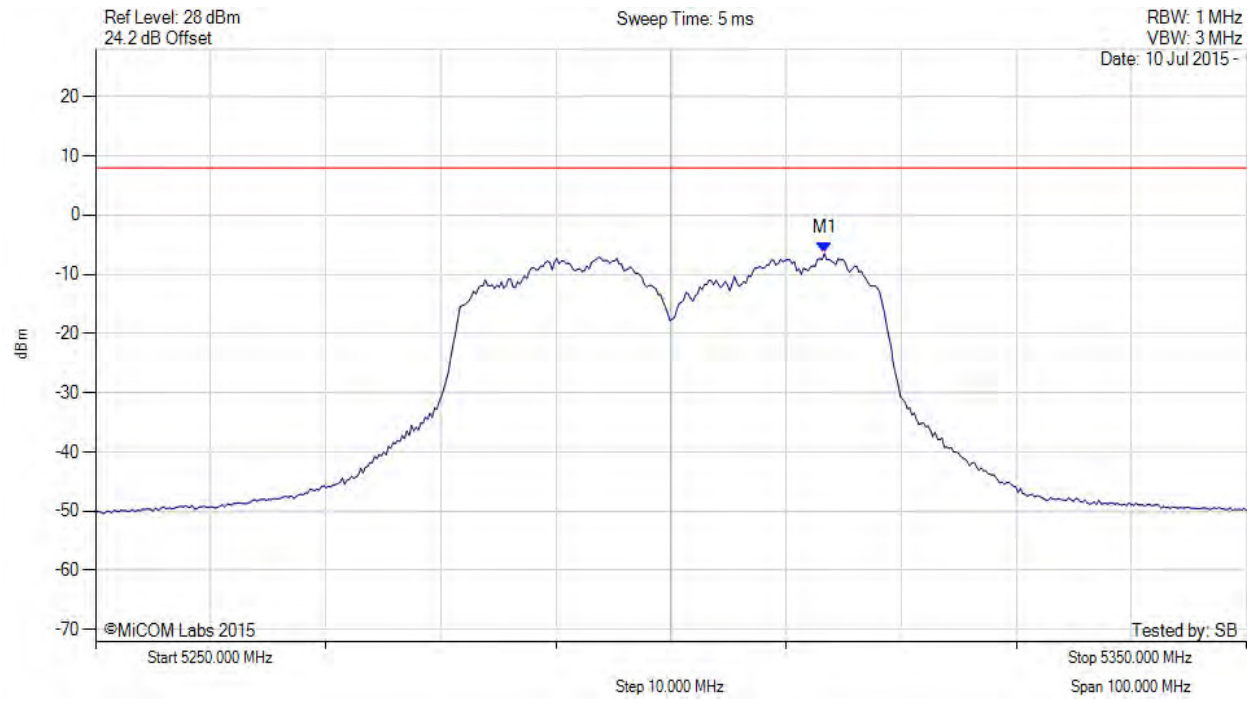
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5312.725 MHz : -5.173 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



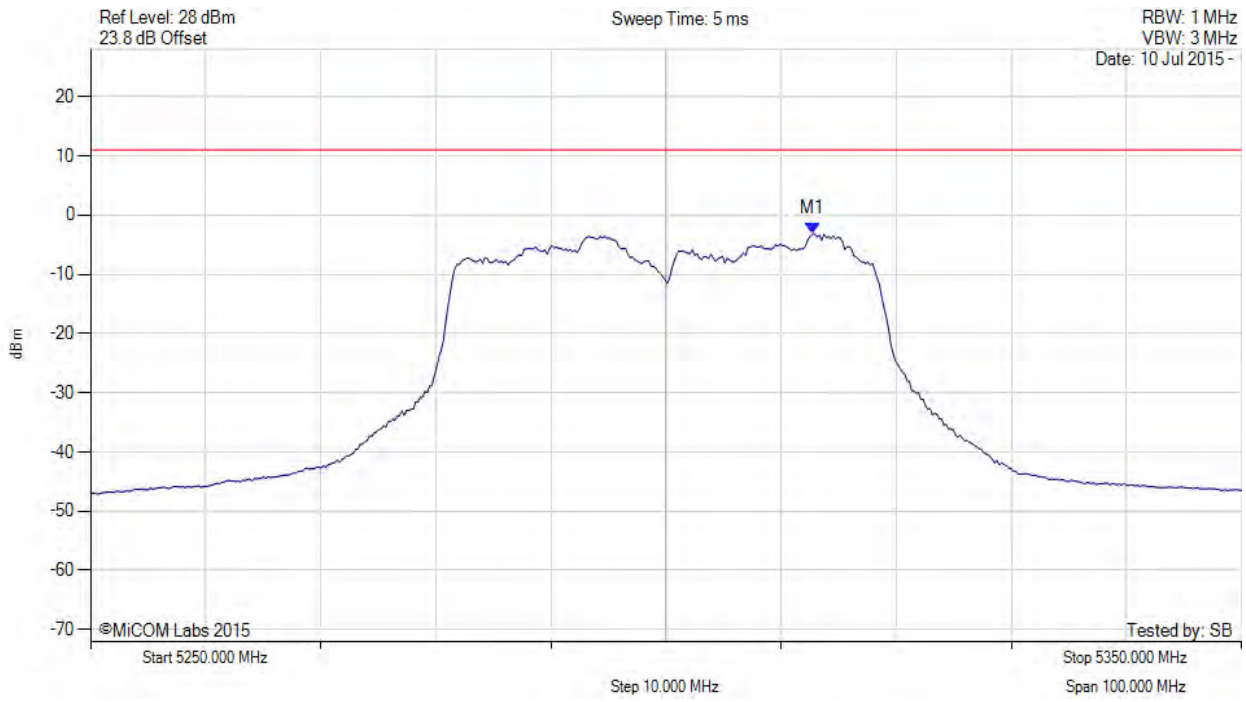
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.327 MHz : -6.474 dBm	Channel Frequency: 5300.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



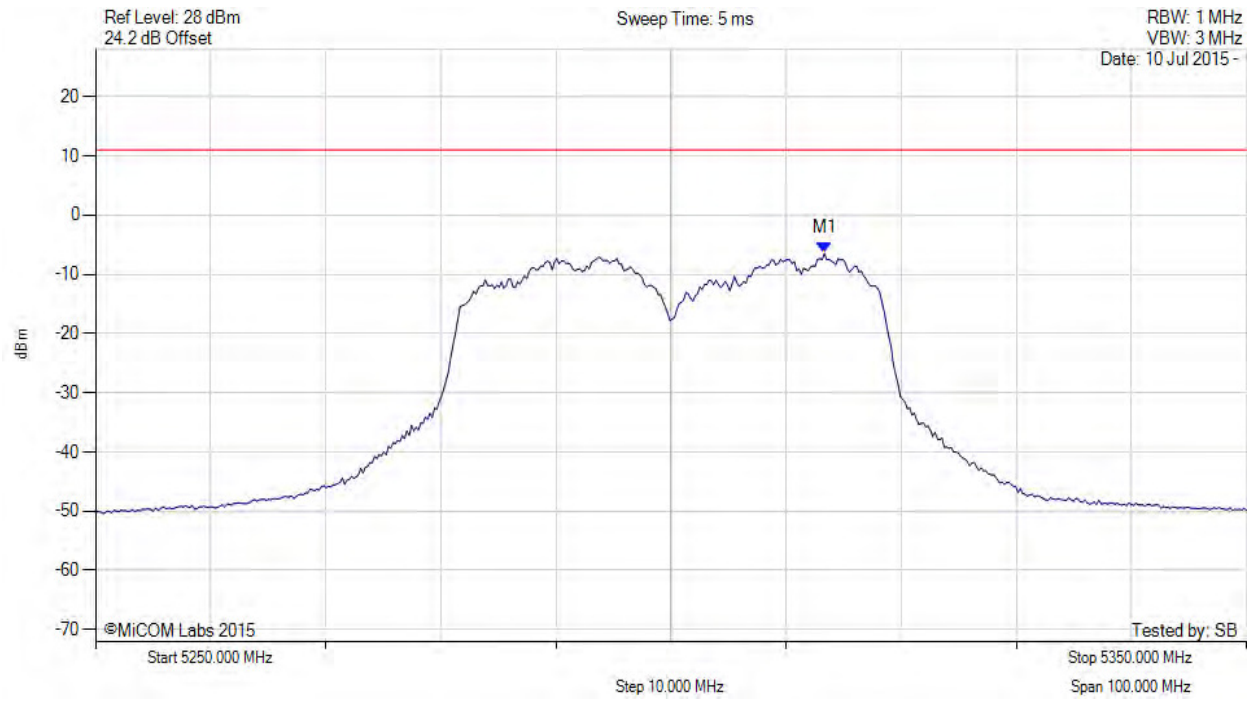
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5312.700 MHz : -3.172 dBm M1 + DCCF : 5312.700 MHz : -2.230 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 11.0 dBm Margin: -13.2 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



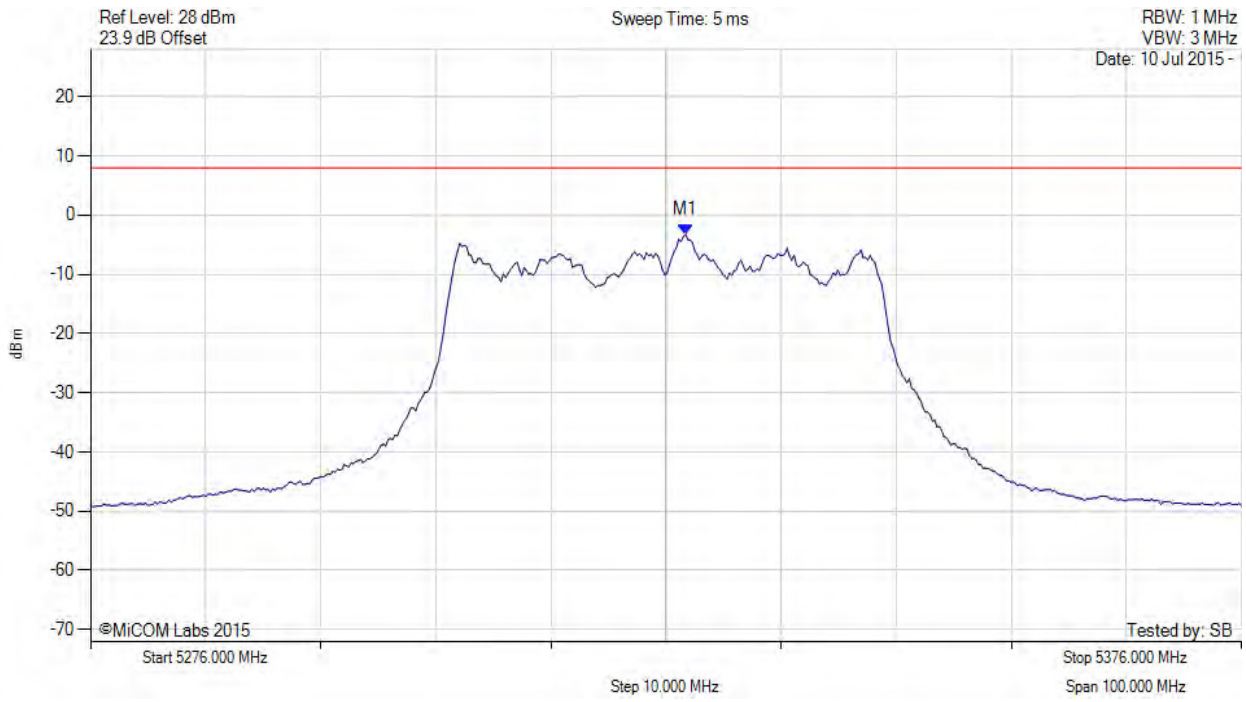
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5313.300 MHz : -6.474 dBm M1 + DCCF : 5313.300 MHz : -5.532 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 11.0 dBm Margin: -16.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5326.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



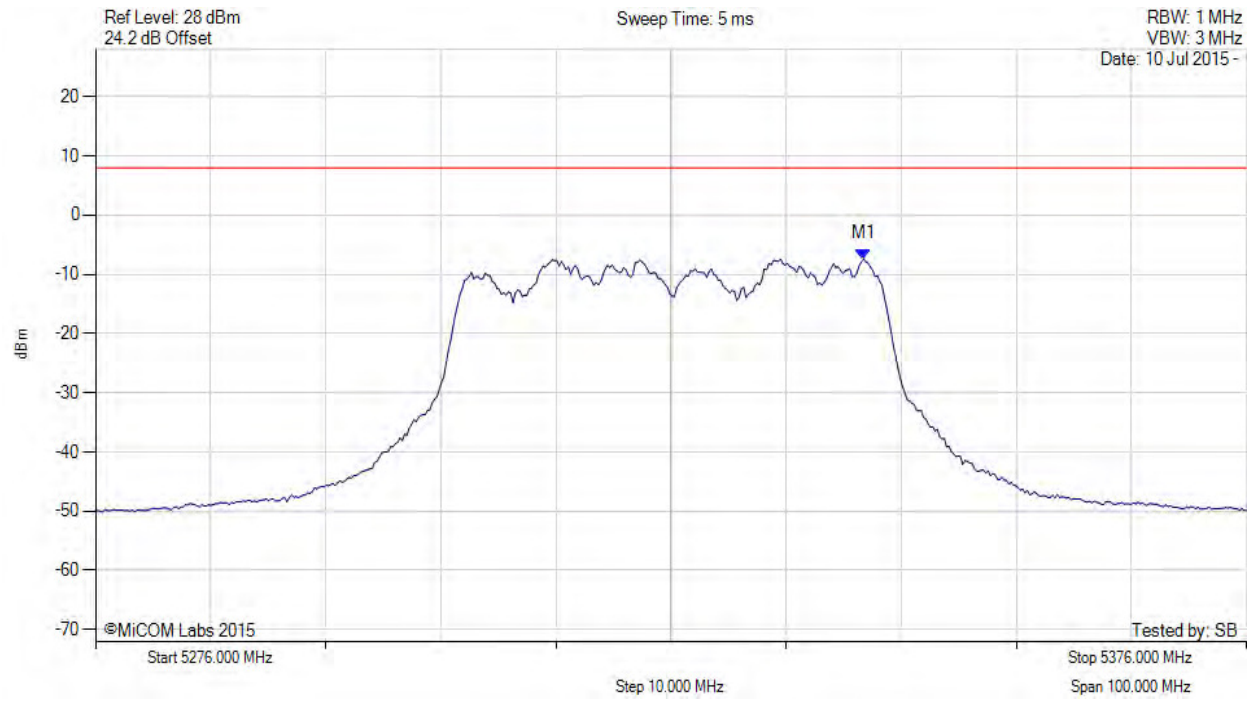
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5327.703 MHz : -3.260 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5326.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



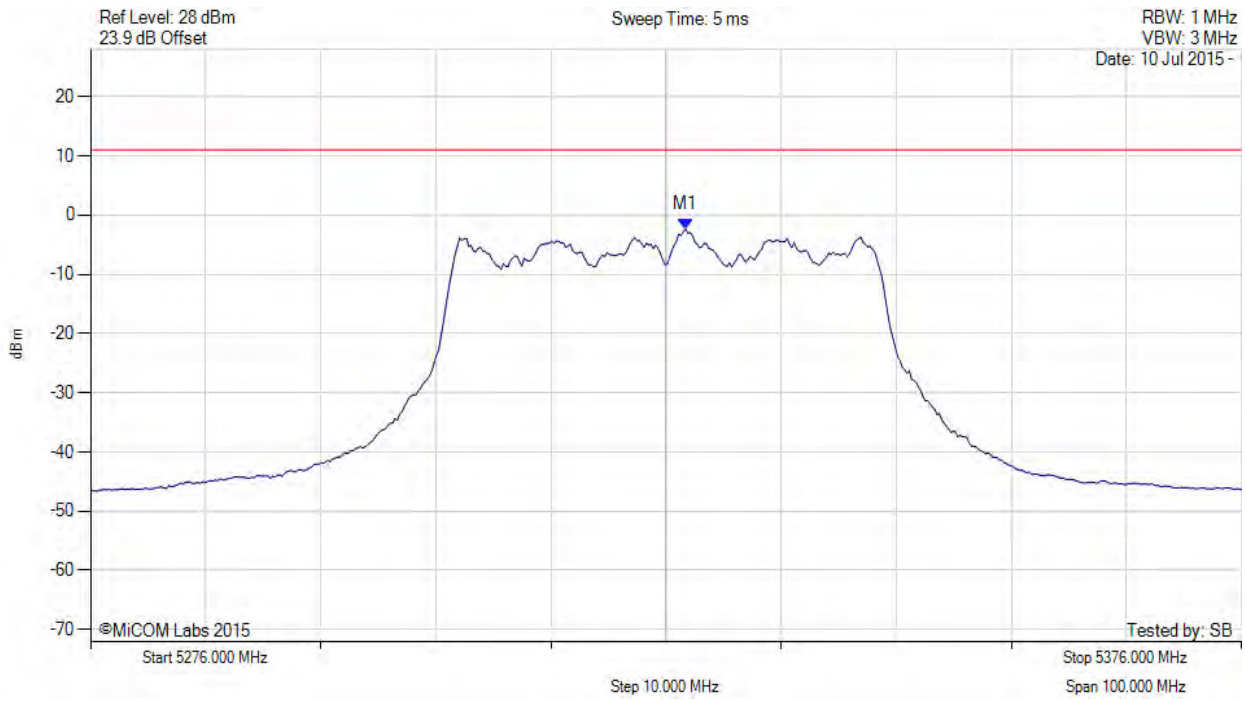
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5342.733 MHz : -7.428 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5326.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



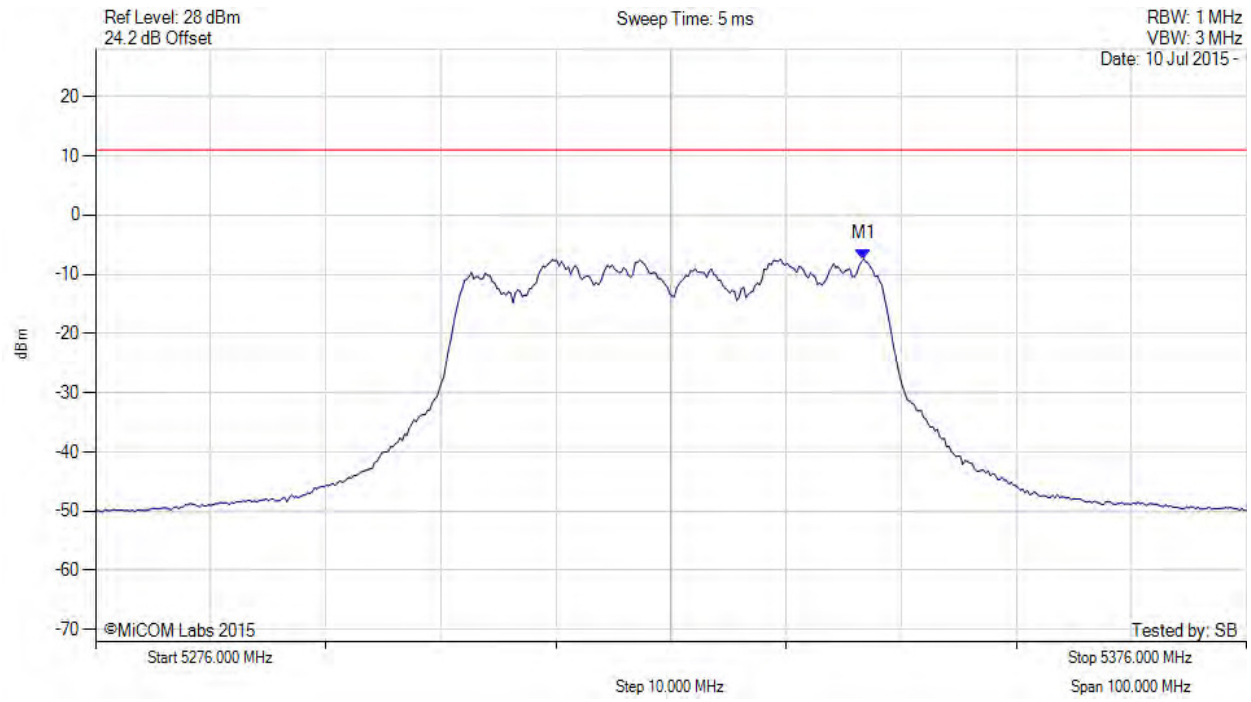
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5327.700 MHz : -2.324 dBm M1 + DCCF : 5327.700 MHz : -1.382 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 11.0 dBm Margin: -12.4 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5326.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



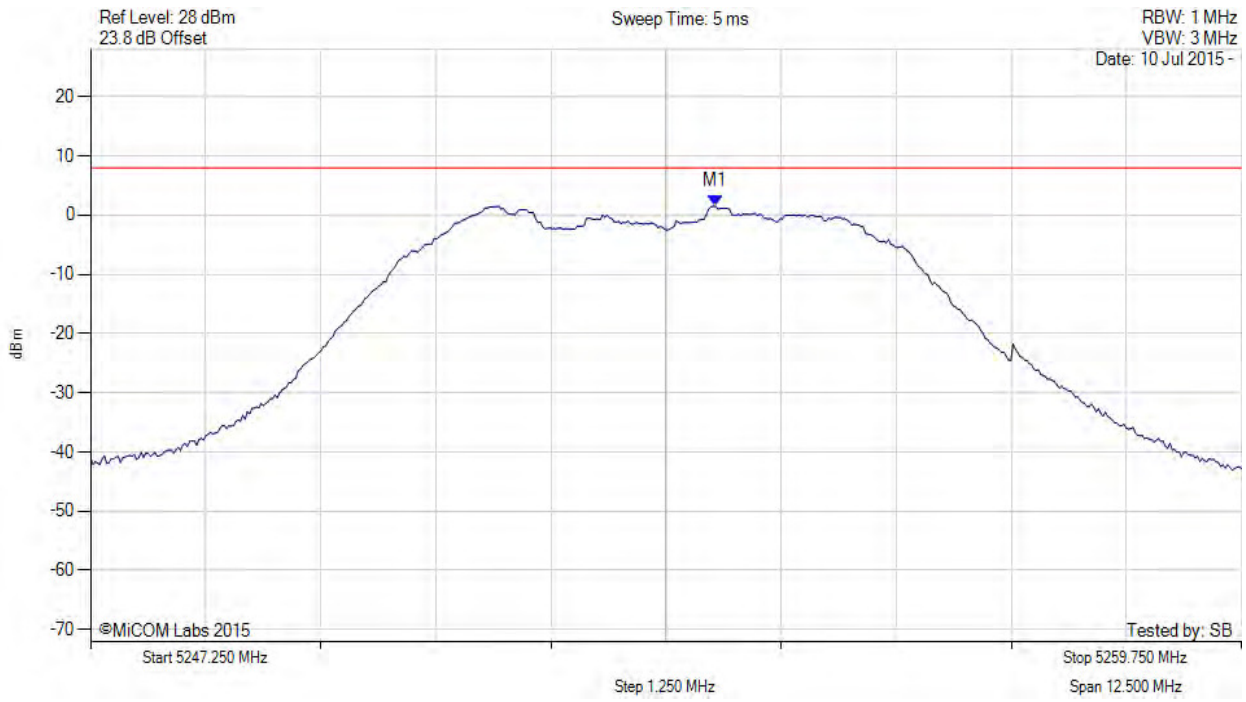
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5342.700 MHz : -7.428 dBm M1 + DCCF : 5342.700 MHz : -6.486 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 11.0 dBm Margin: -17.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5253.50 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



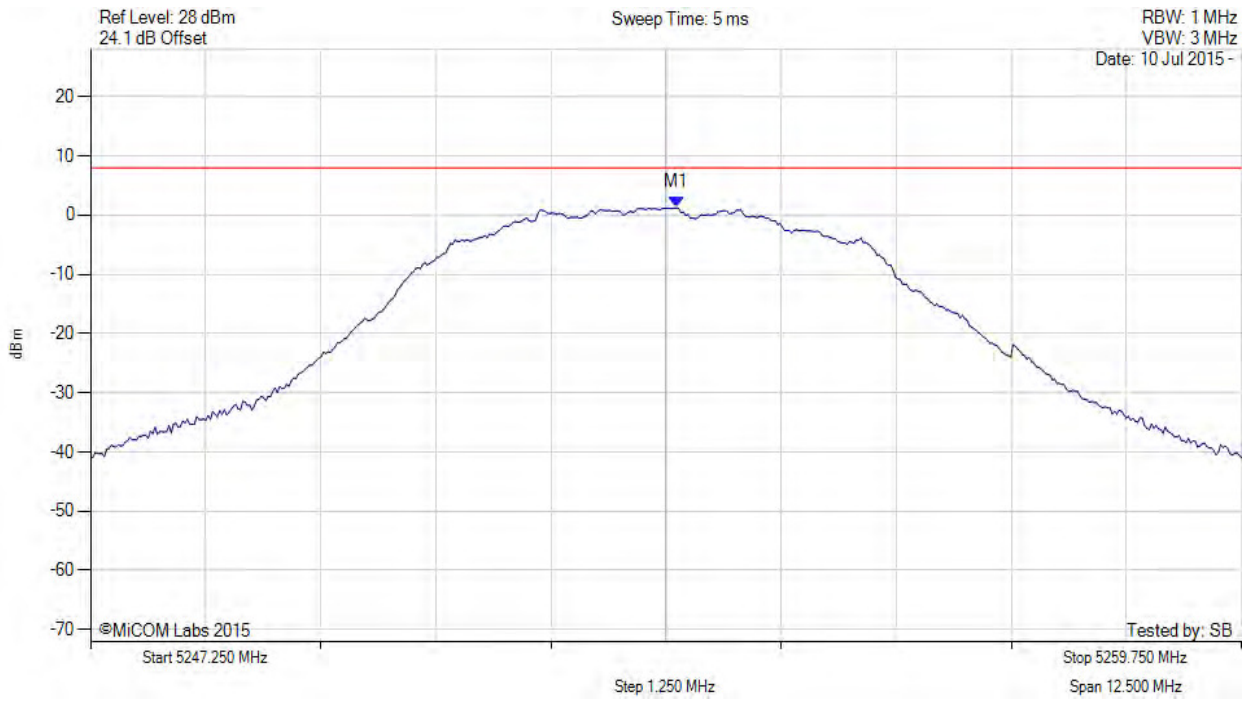
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5254.039 MHz : 1.529 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5253.50 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



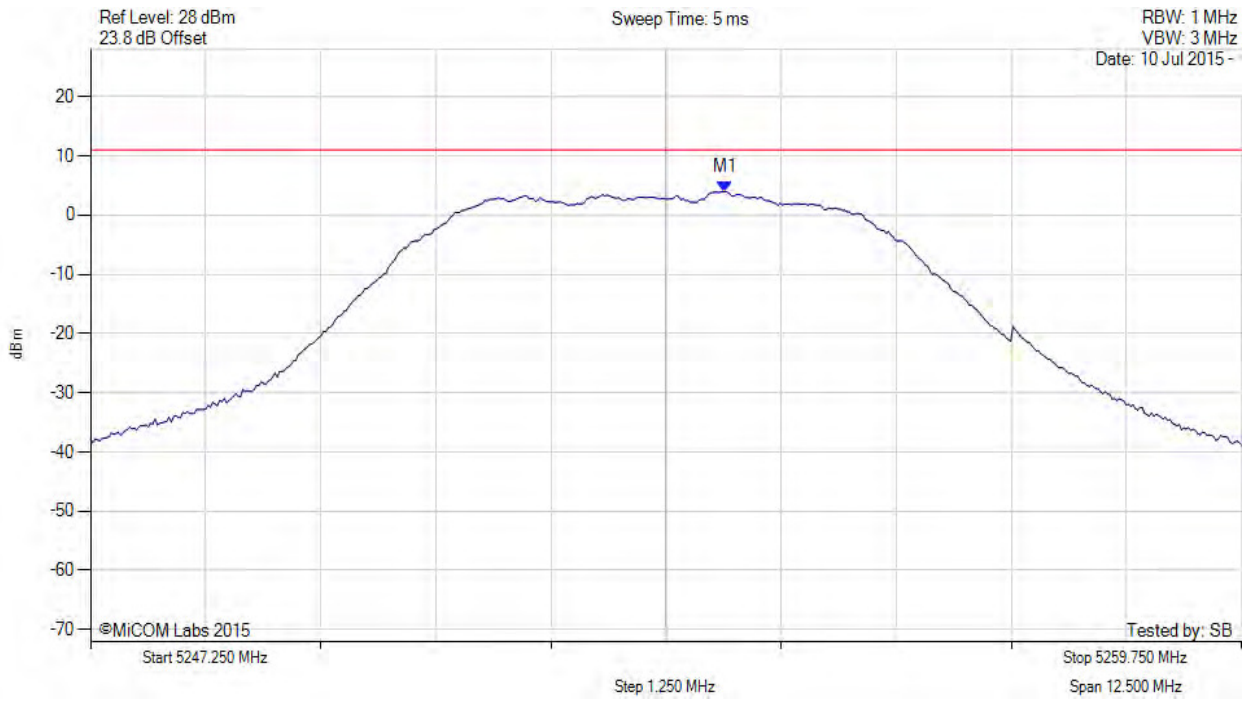
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5253.613 MHz : 1.240 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5253.50 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



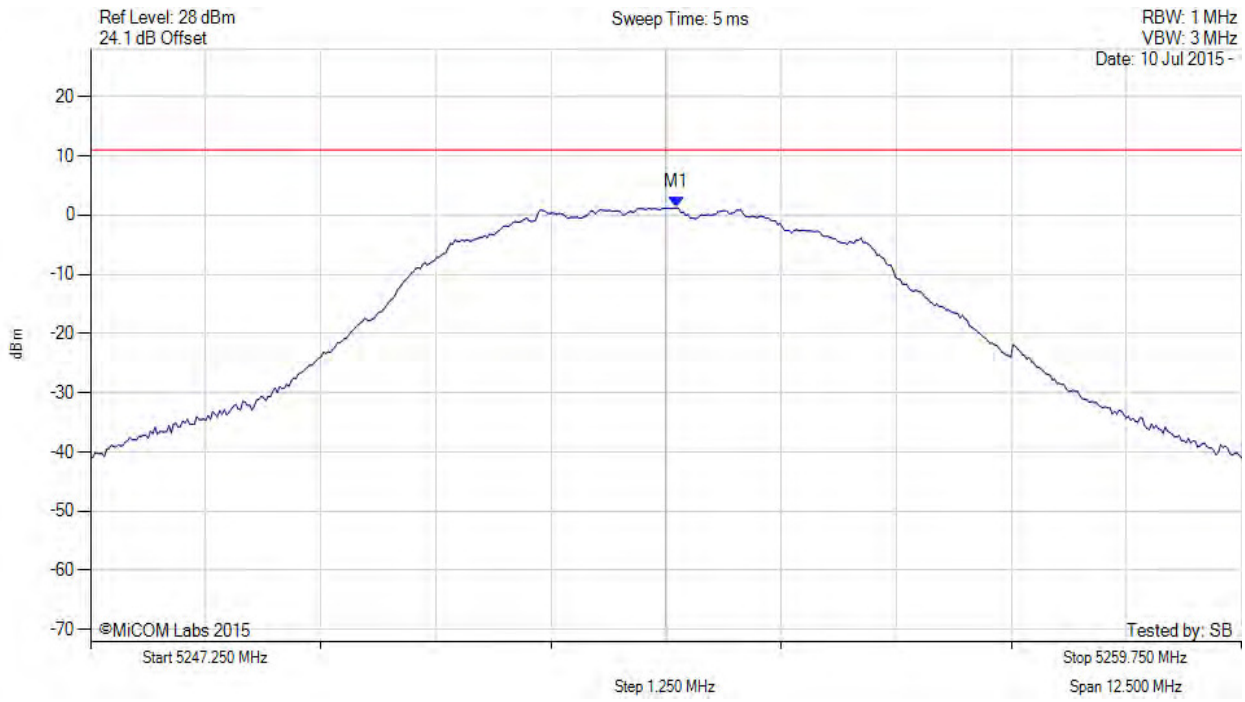
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5254.100 MHz : 3.968 dBm M1 + DCCF : 5254.100 MHz : 4.416 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 11.0 dBm Margin: -6.6 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5253.50 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



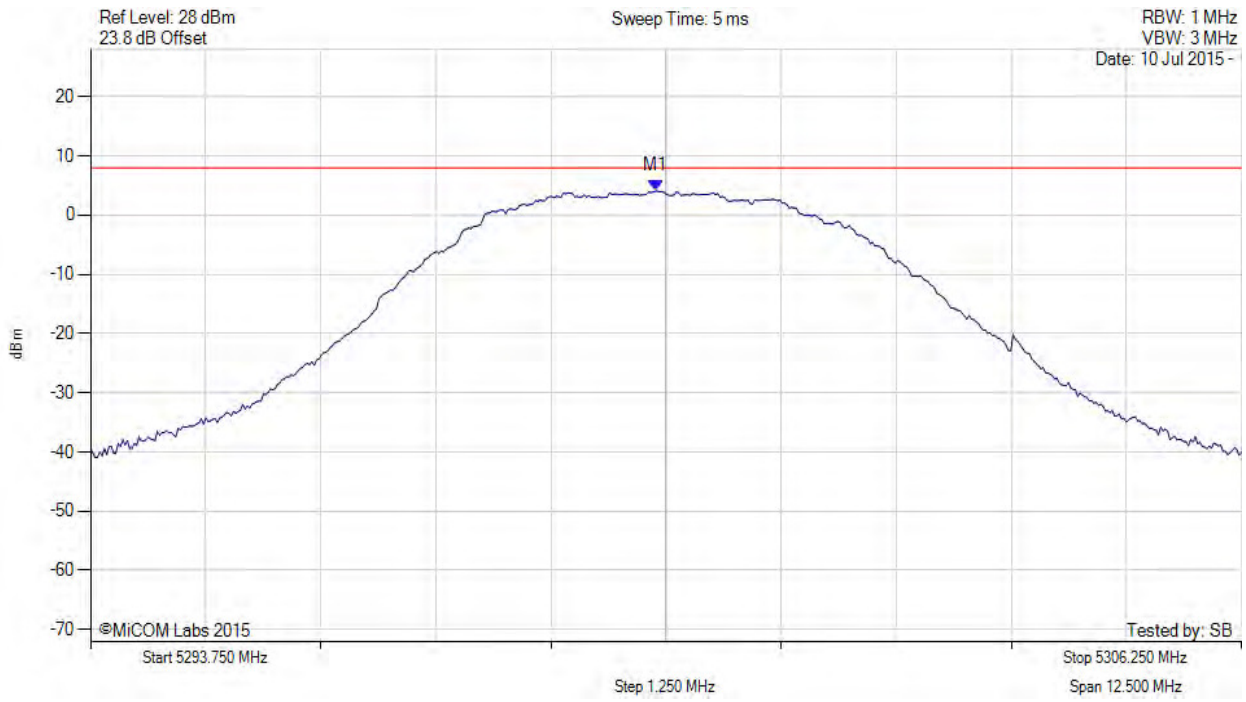
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5253.600 MHz : 1.240 dBm M1 + DCCF : 5253.600 MHz : 1.688 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 11.0 dBm Margin: -9.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



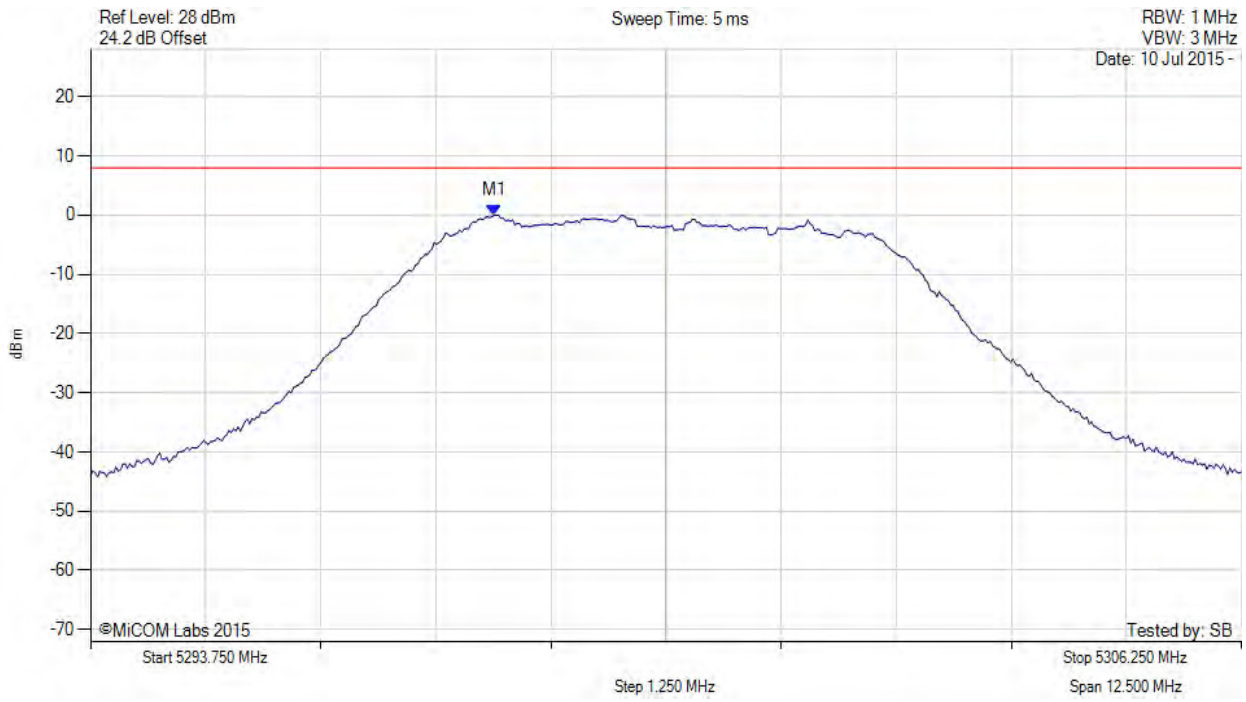
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5299.887 MHz : 4.072 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



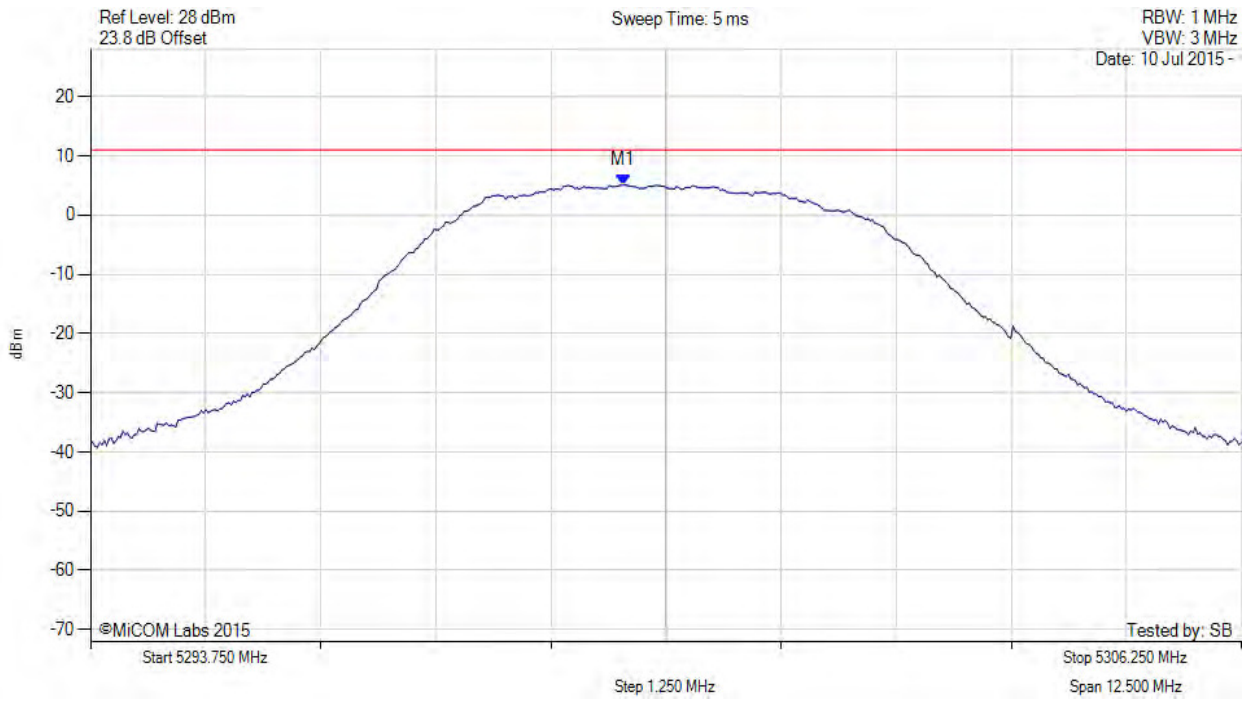
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5298.134 MHz : -0.020 dBm	Channel Frequency: 5300.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



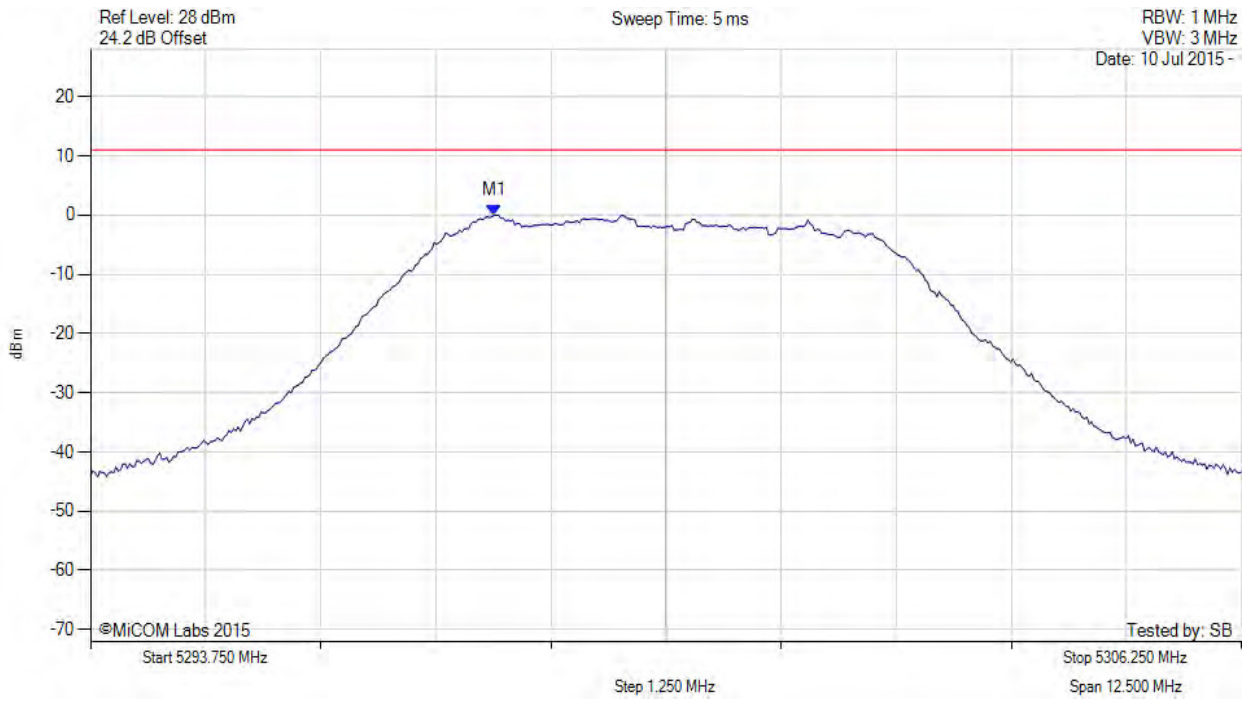
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5299.500 MHz : 5.076 dBm M1 + DCCF : 5299.500 MHz : 5.524 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 11.0 dBm Margin: -5.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



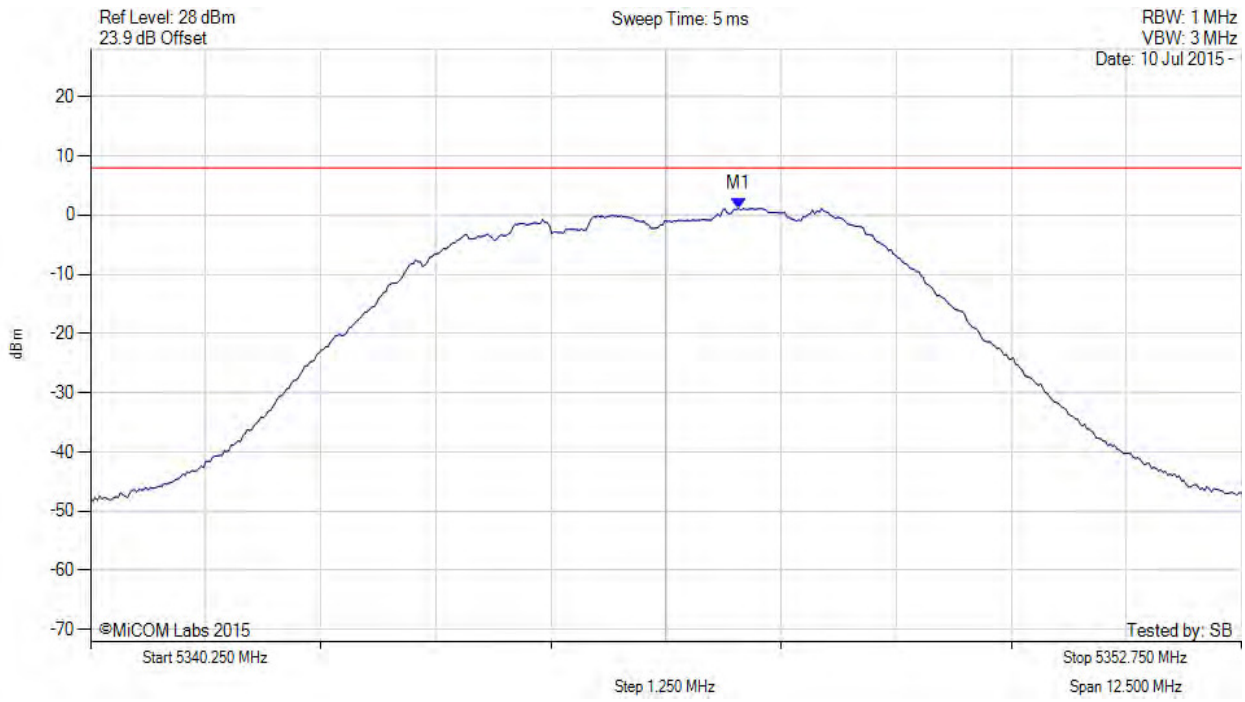
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5298.100 MHz : -0.020 dBm M1 + DCCF : 5298.100 MHz : 0.428 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 11.0 dBm Margin: -10.6 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5346.50 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



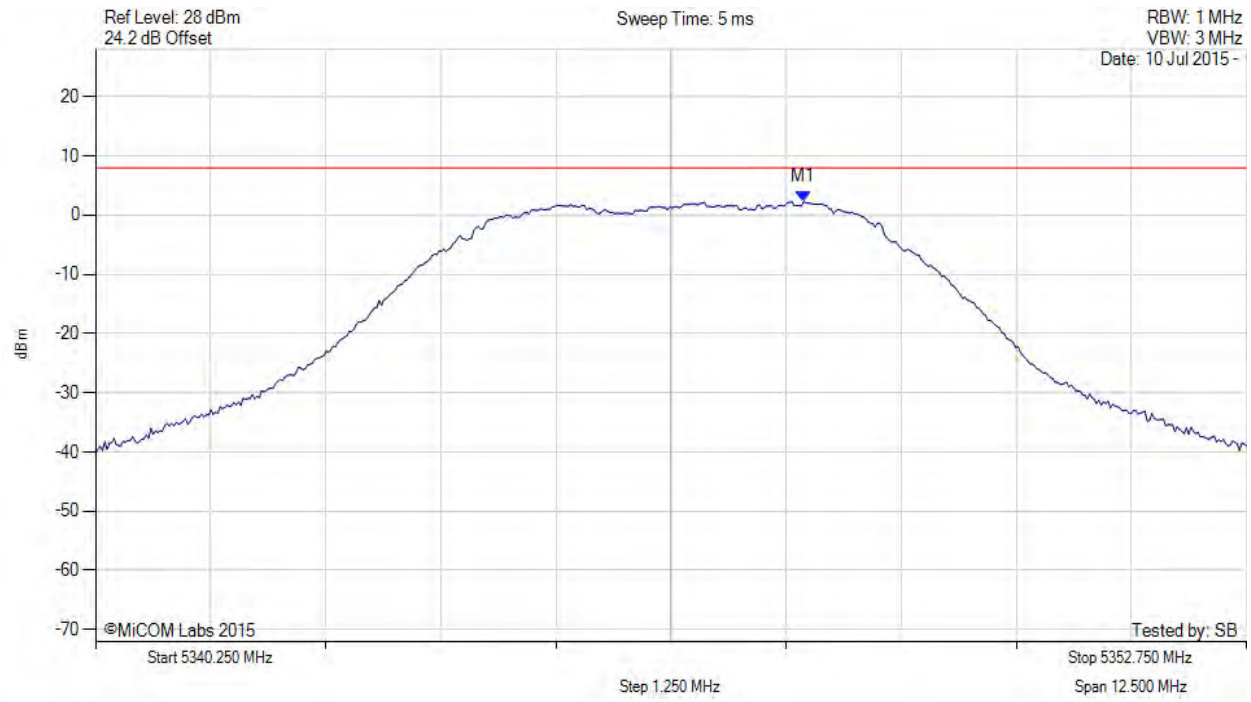
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5347.289 MHz : 1.104 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5346.50 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



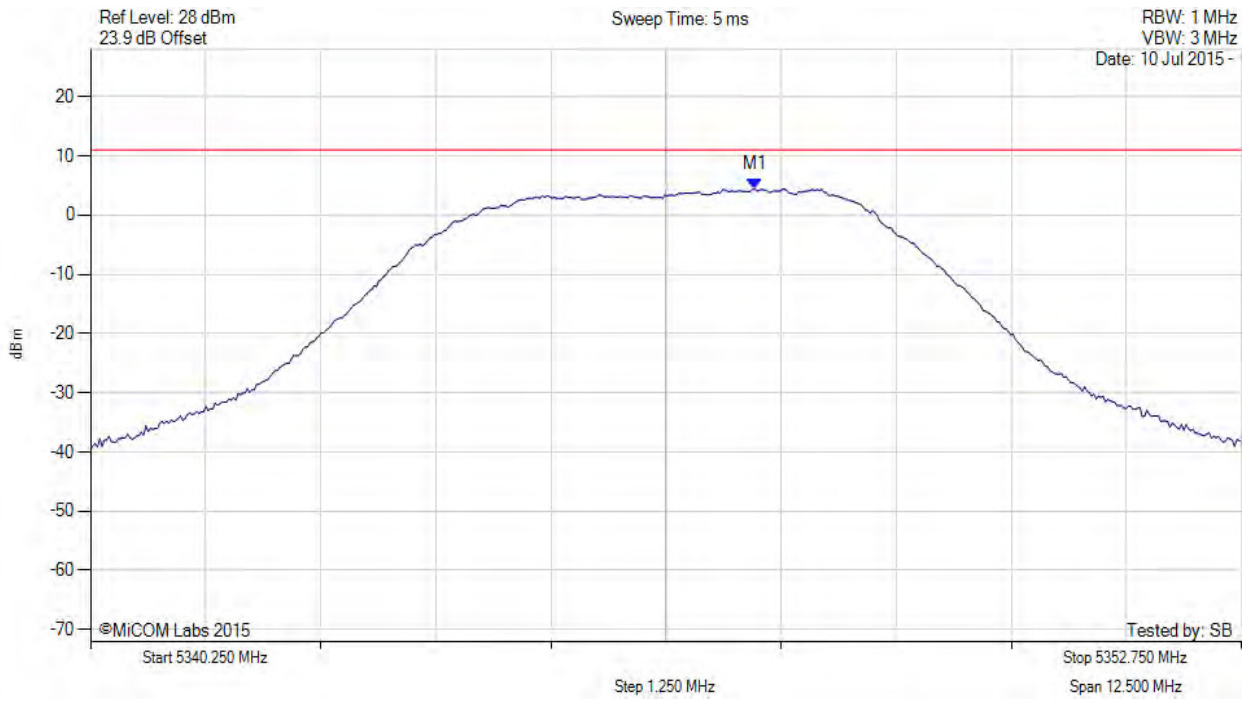
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5347.940 MHz : 2.279 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5346.50 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



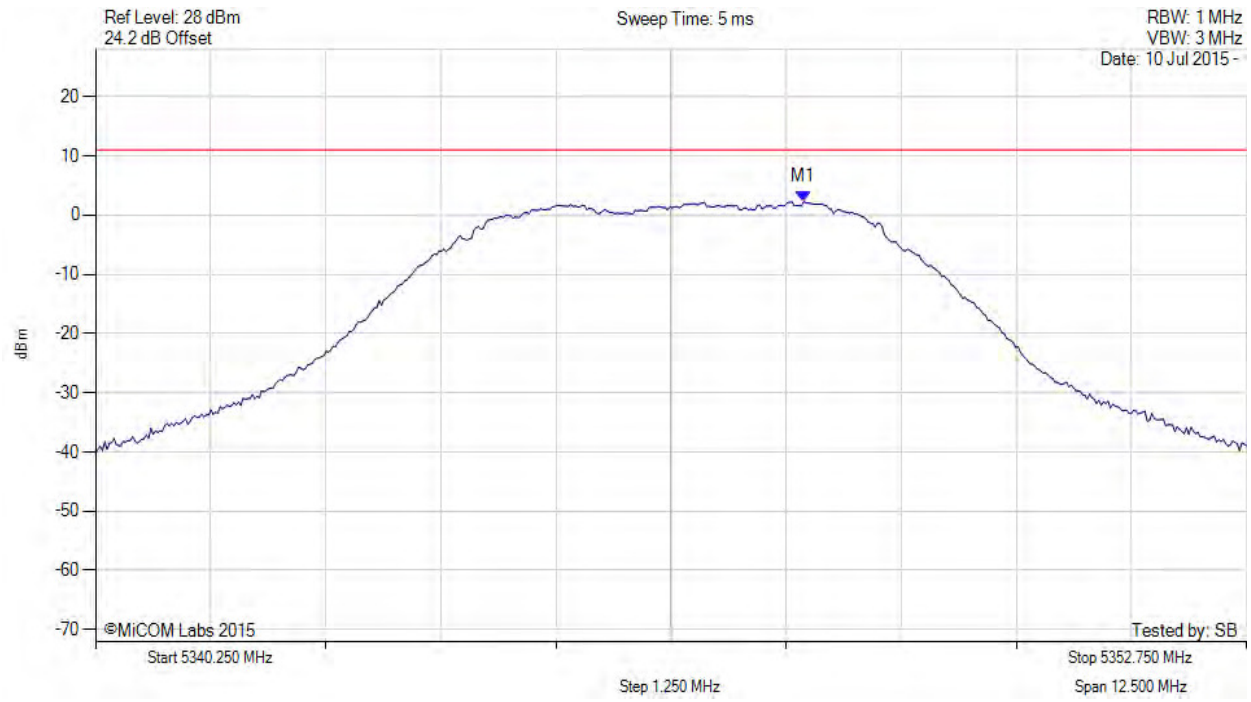
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5347.500 MHz : 4.384 dBm M1 + DCCF : 5347.500 MHz : 4.832 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 11.0 dBm Margin: -6.2 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5346.50 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



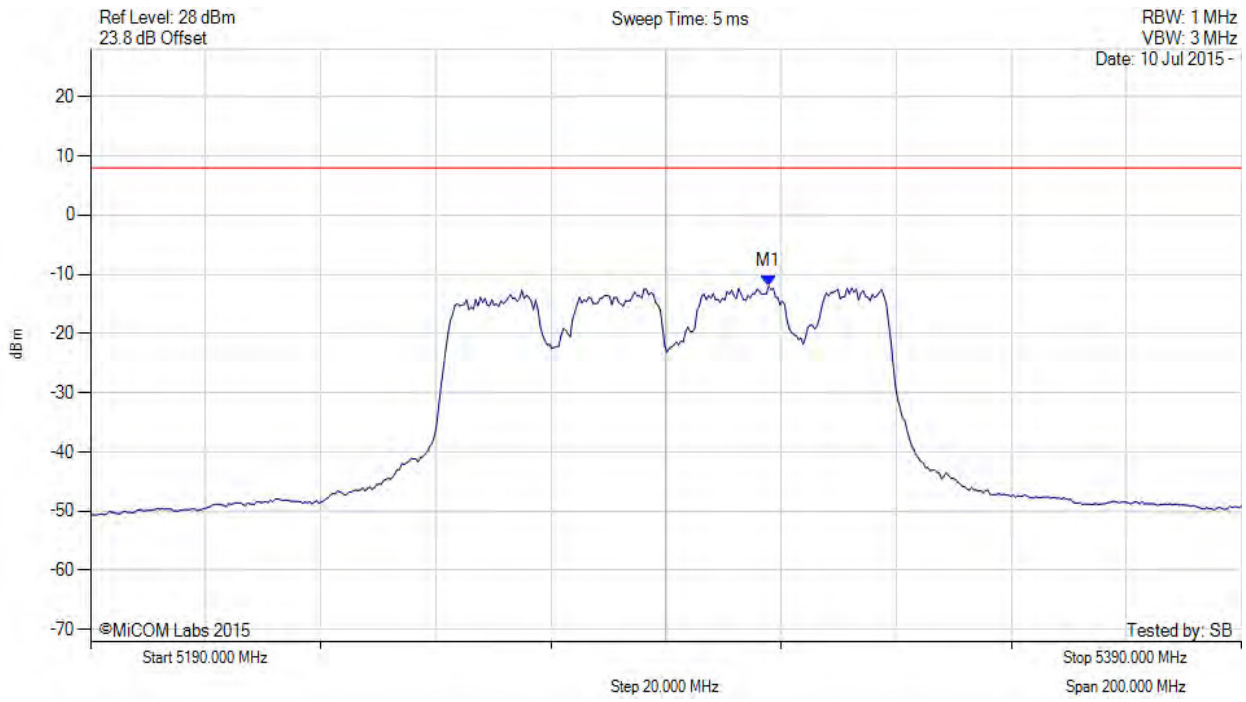
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5347.900 MHz : 2.279 dBm M1 + DCCF : 5347.900 MHz : 2.727 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 11.0 dBm Margin: -8.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5290.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



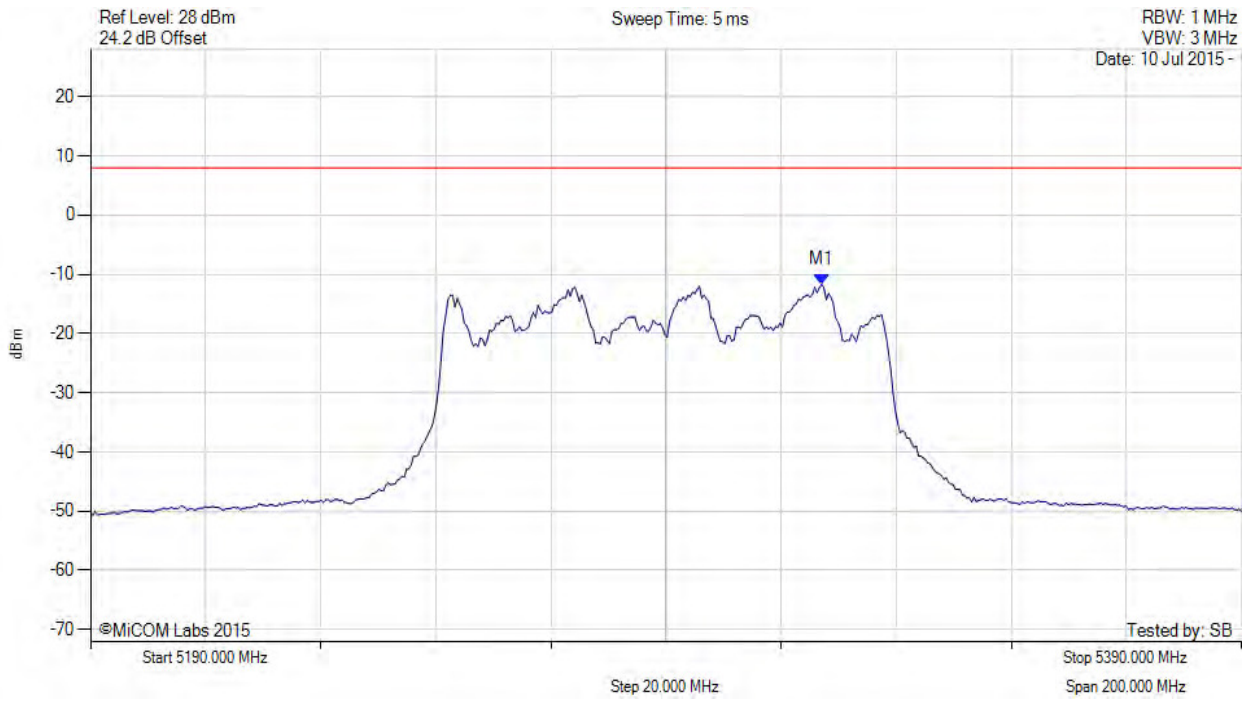
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5307.836 MHz : -12.002 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5290.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



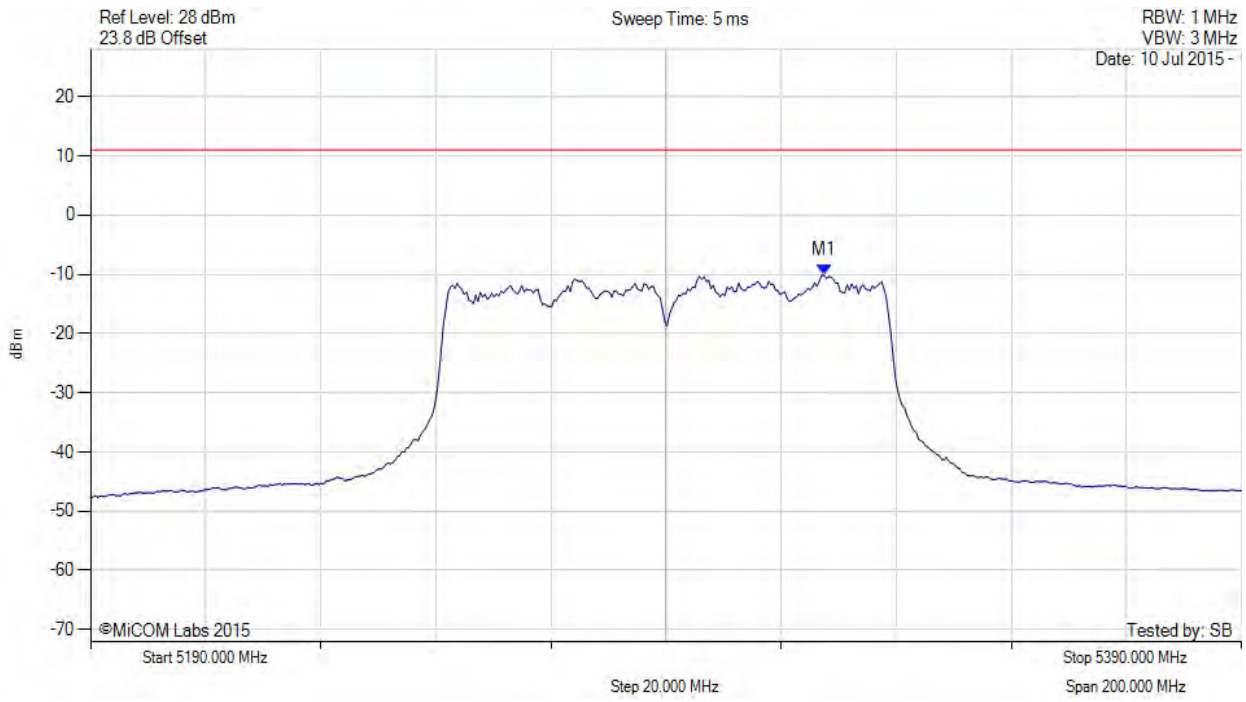
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5317.054 MHz : -11.672 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5290.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



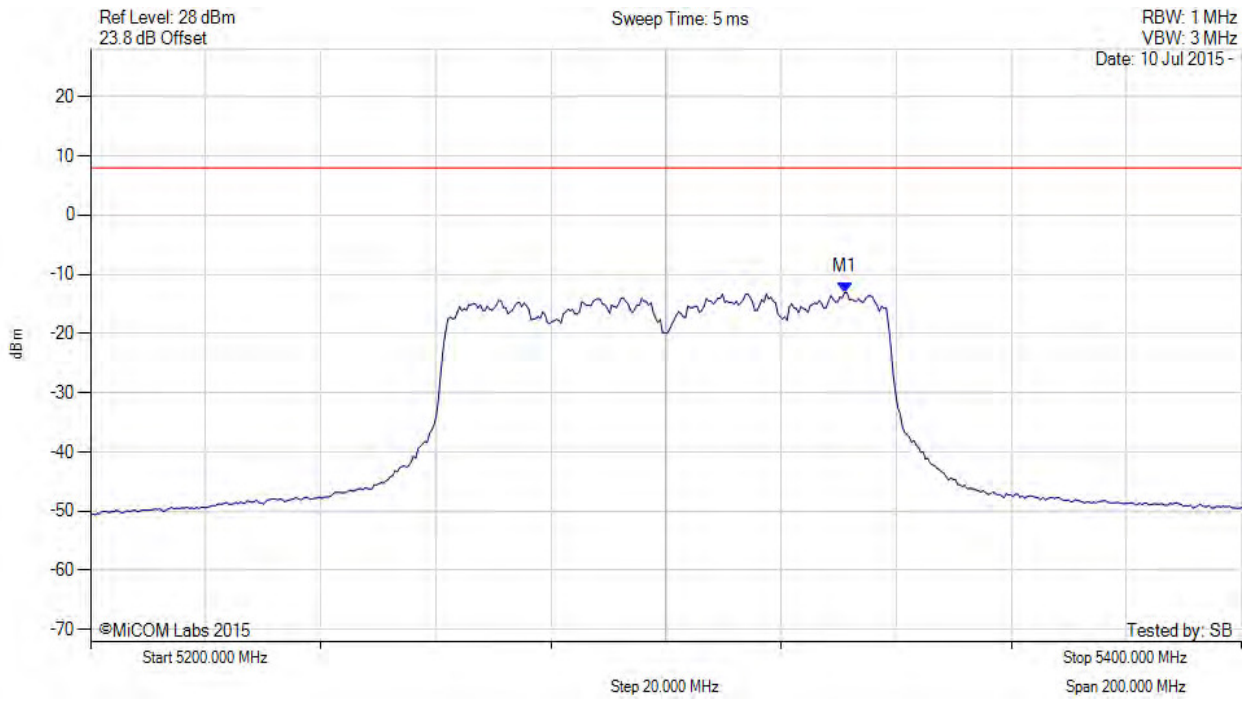
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5317.500 MHz : -10.156 dBm M1 + DCCF : 5317.500 MHz : -8.717 dBm Duty Cycle Correction Factor : +1.43 dB	Limit: ≤ 11.0 dBm Margin: -19.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



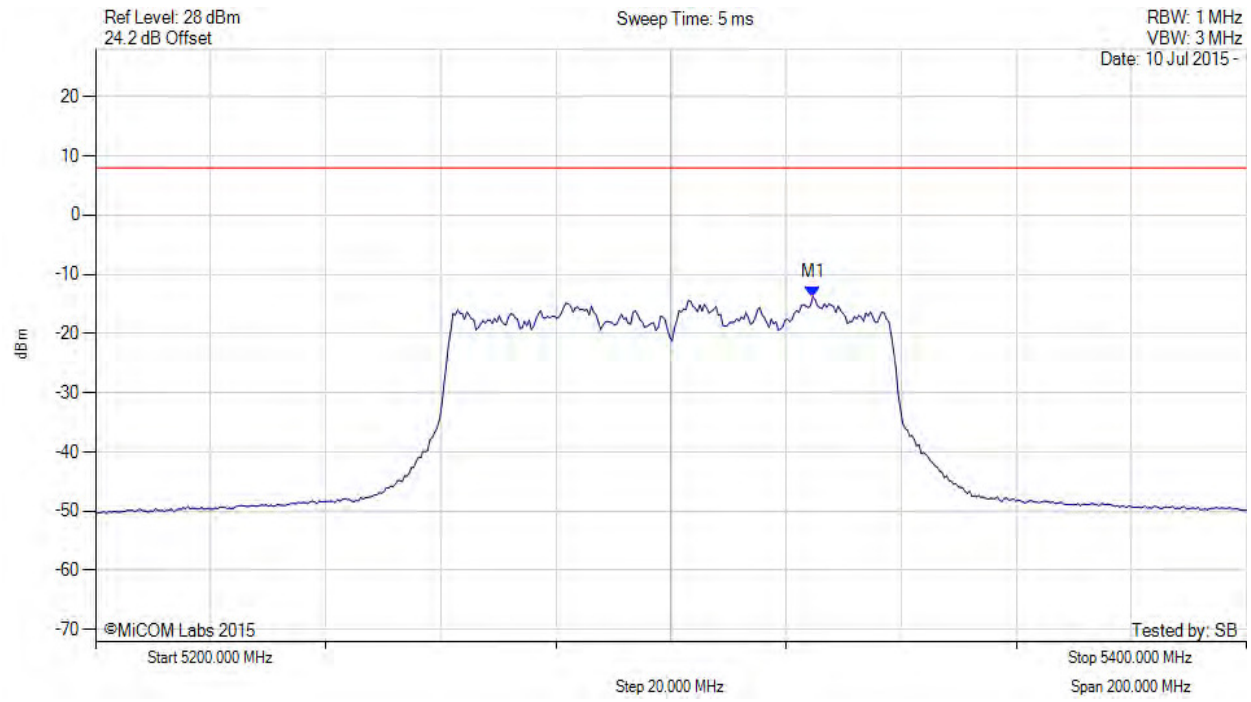
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5331.062 MHz : -13.052 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



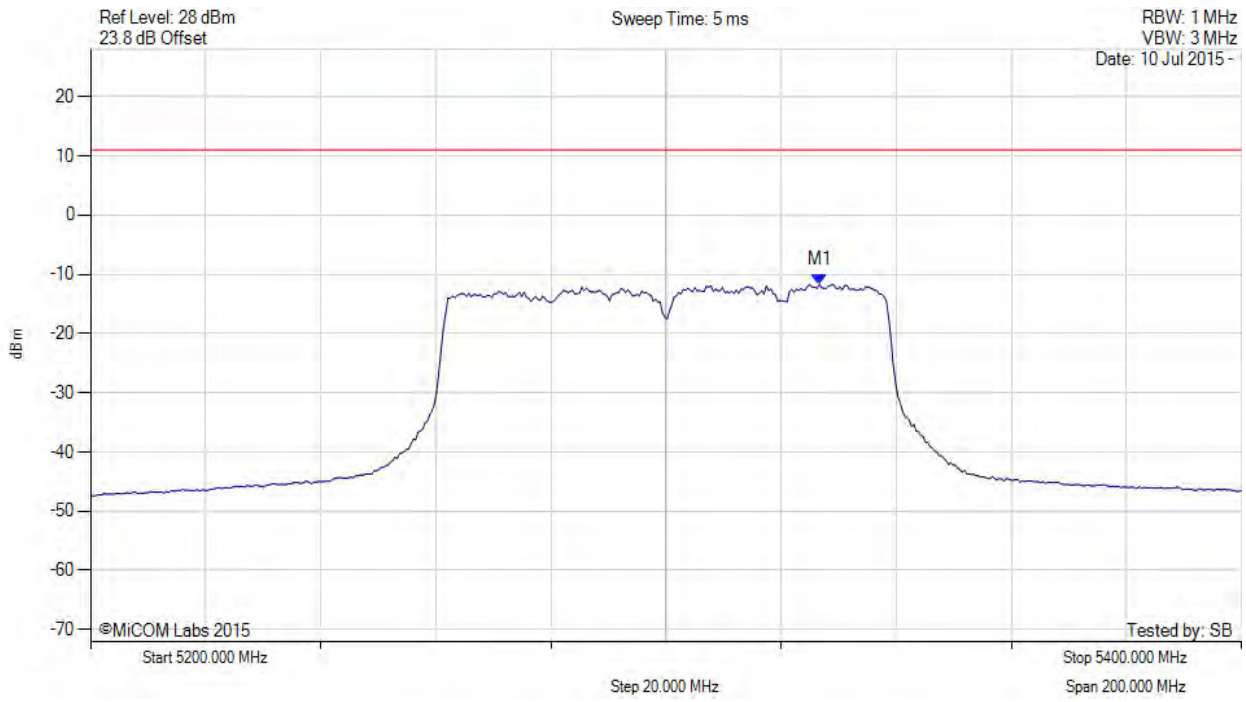
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5324.649 MHz : -13.790 dBm	Channel Frequency: 5300.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



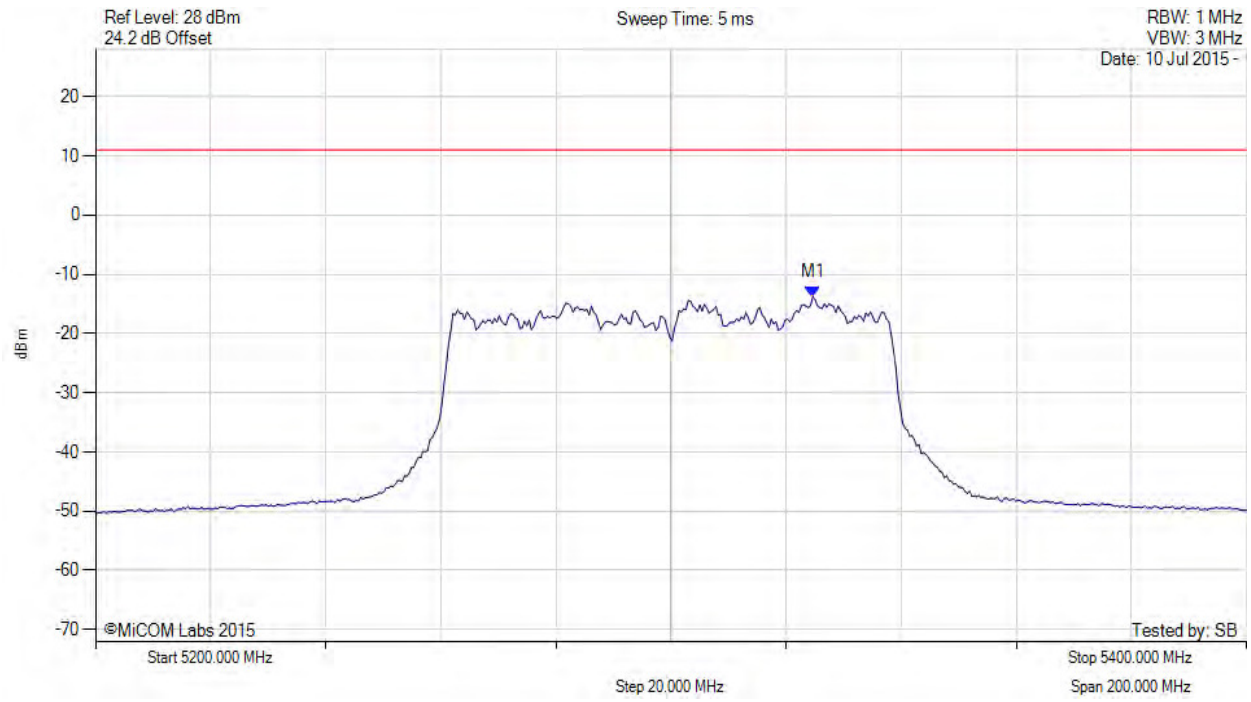
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5326.700 MHz : -11.707 dBm M1 + DCCF : 5326.700 MHz : -10.268 dBm Duty Cycle Correction Factor : +1.43 dB	Limit: ≤ 11.0 dBm Margin: -21.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5300.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



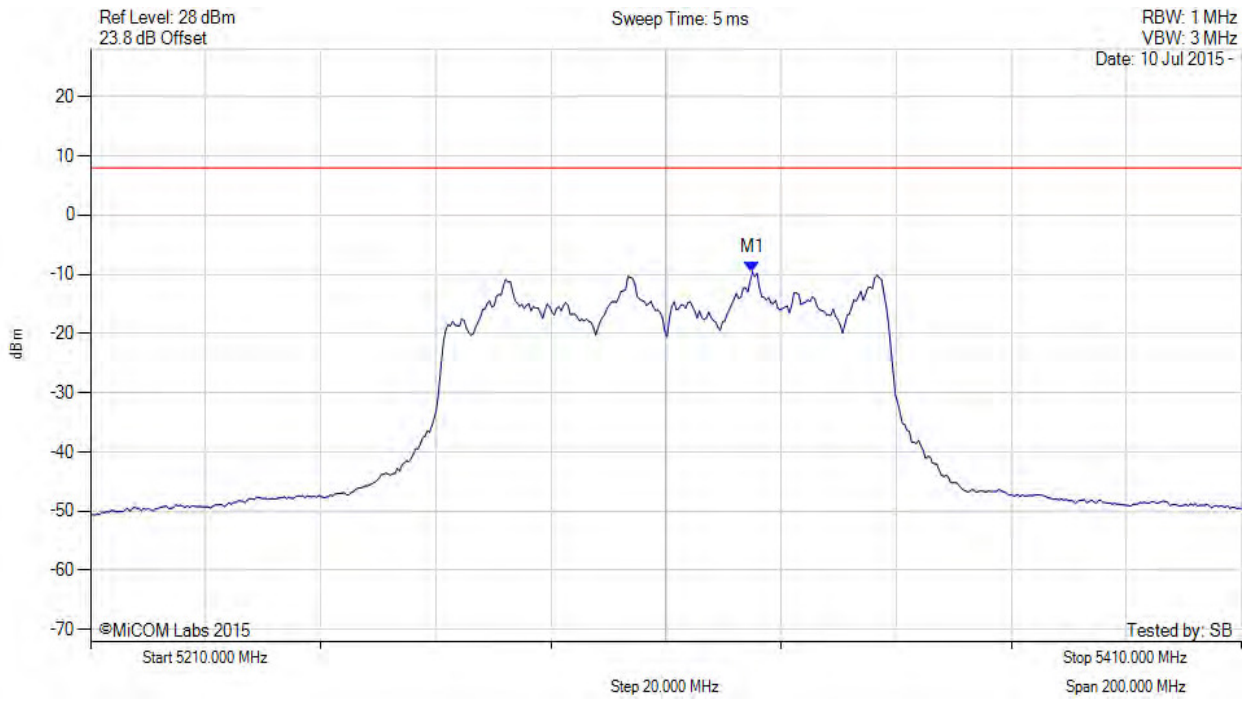
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5324.600 MHz : -13.790 dBm M1 + DCCF : 5324.600 MHz : -12.351 dBm Duty Cycle Correction Factor : +1.43 dB	Limit: ≤ 11.0 dBm Margin: -23.4 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5310.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



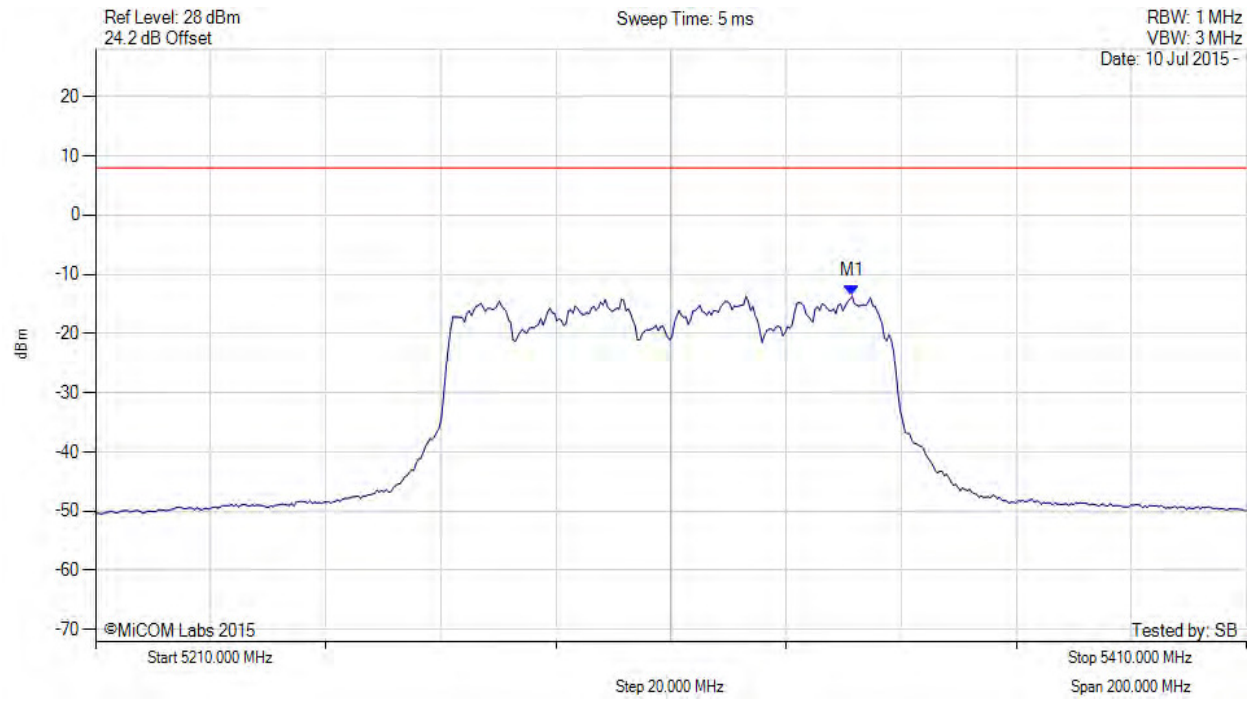
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5325.030 MHz : -9.608 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5310.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



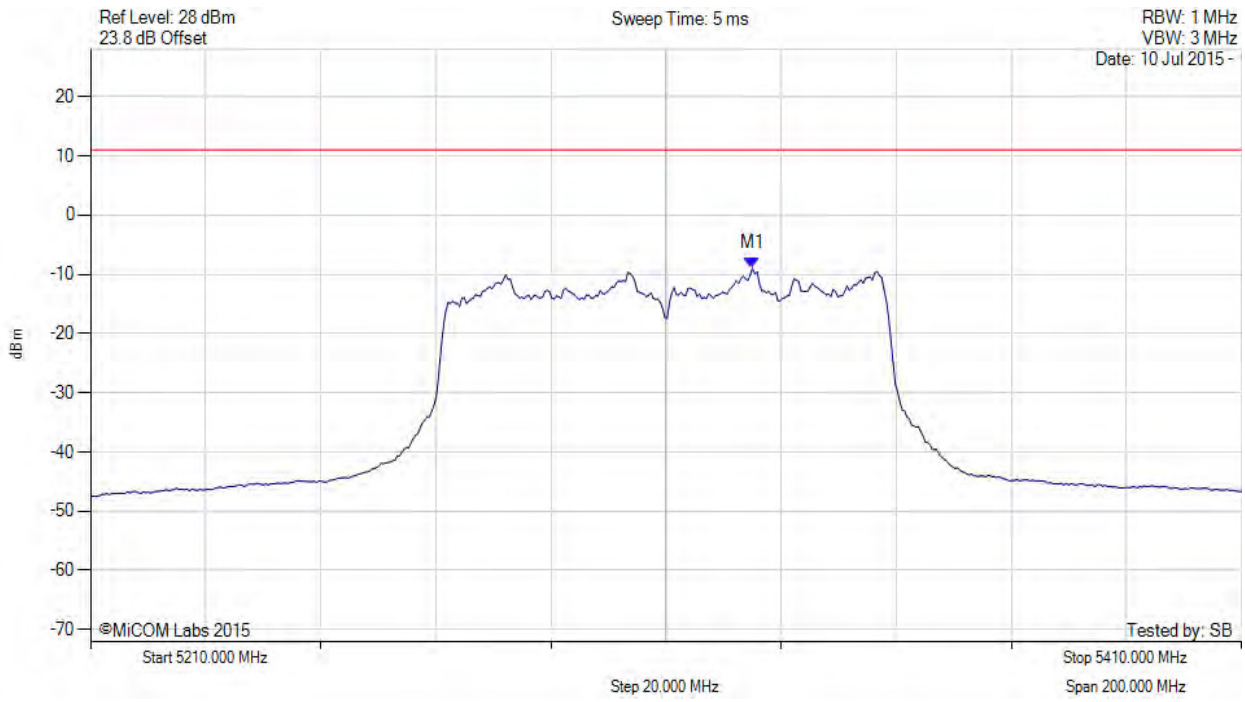
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5341.463 MHz : -13.661 dBm	Limit: ≤ 7.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5310.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



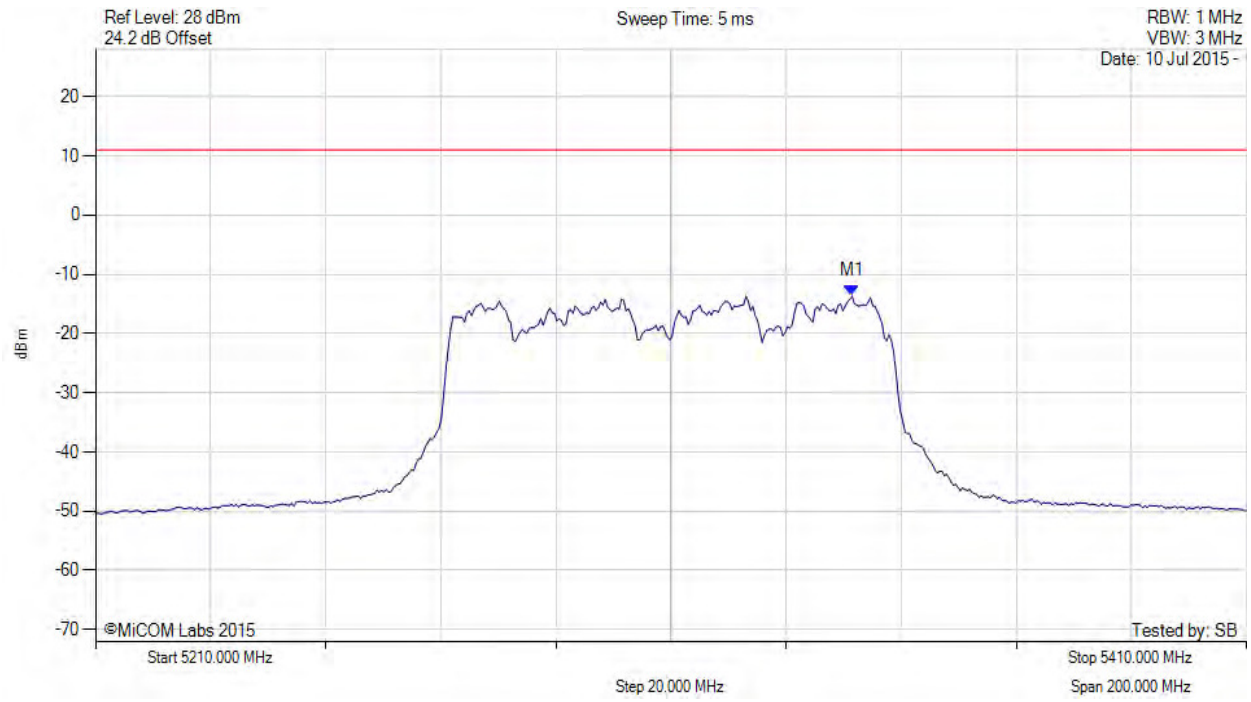
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5325.000 MHz : -8.981 dBm M1 + DCCF : 5325.000 MHz : -7.542 dBm Duty Cycle Correction Factor : +1.43 dB	Limit: ≤ 11.0 dBm Margin: -18.6 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5310.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



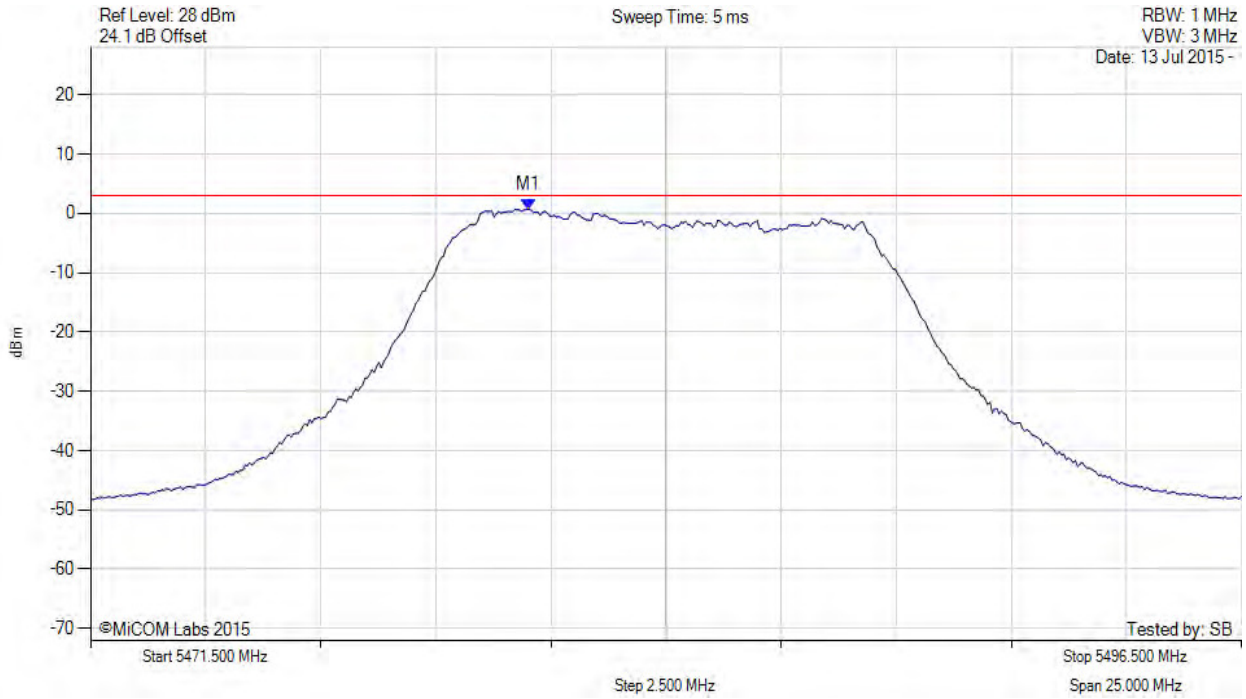
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5341.500 MHz : -13.661 dBm M1 + DCCF : 5341.500 MHz : -12.222 dBm Duty Cycle Correction Factor : +1.43 dB	Limit: ≤ 11.0 dBm Margin: -23.2 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5484.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



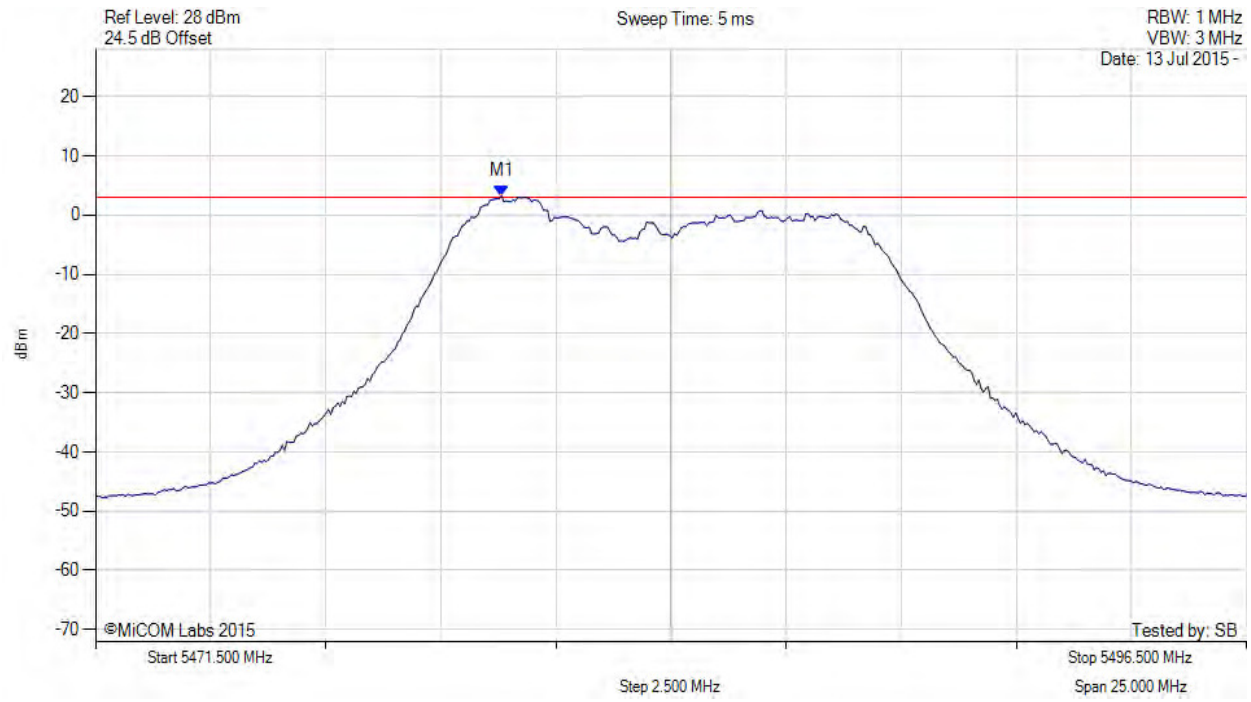
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5481.019 MHz : 0.674 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5484.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



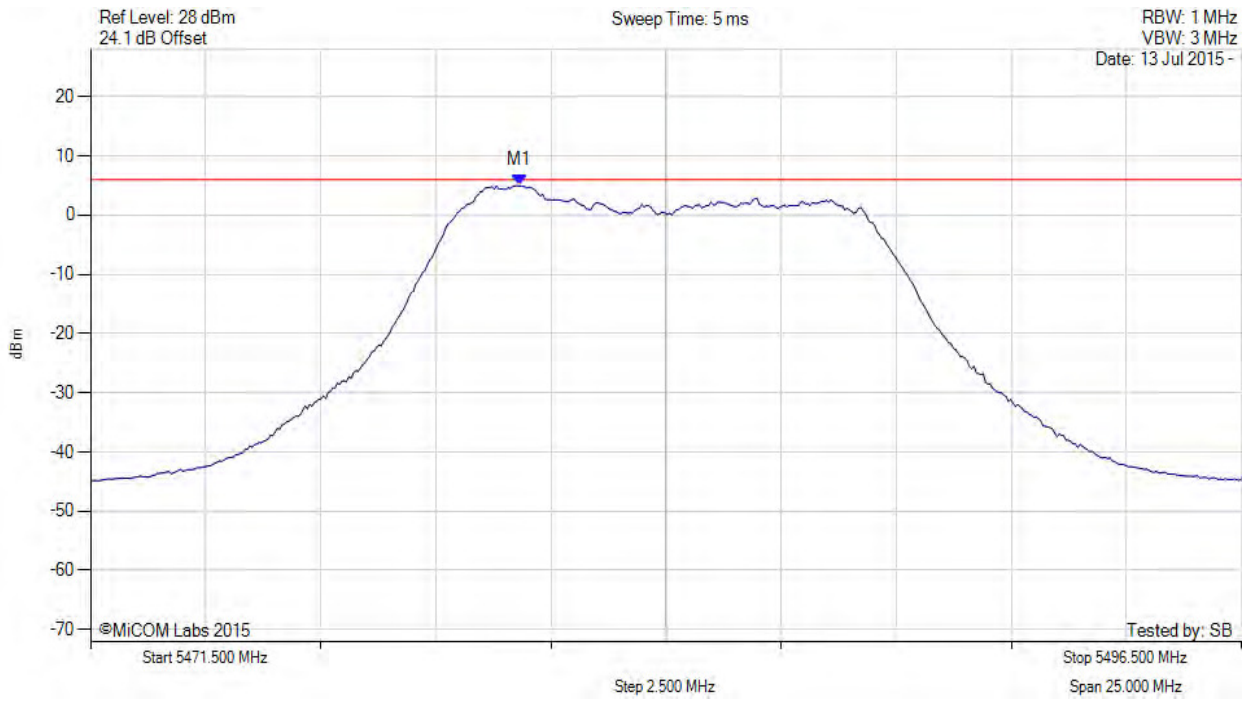
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5480.318 MHz : 3.287 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5484.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



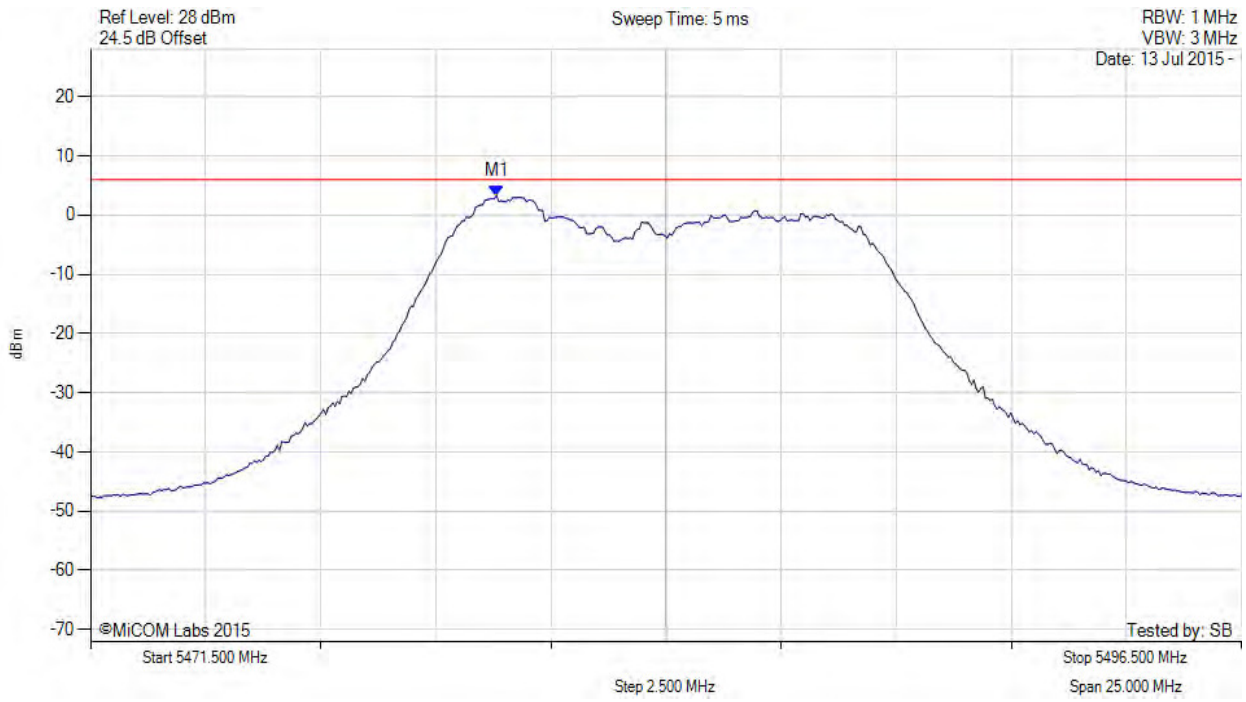
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5480.800 MHz : 4.971 dBm M1 + DCCF : 5480.800 MHz : 5.462 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 6.0 dBm Margin: -0.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5484.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



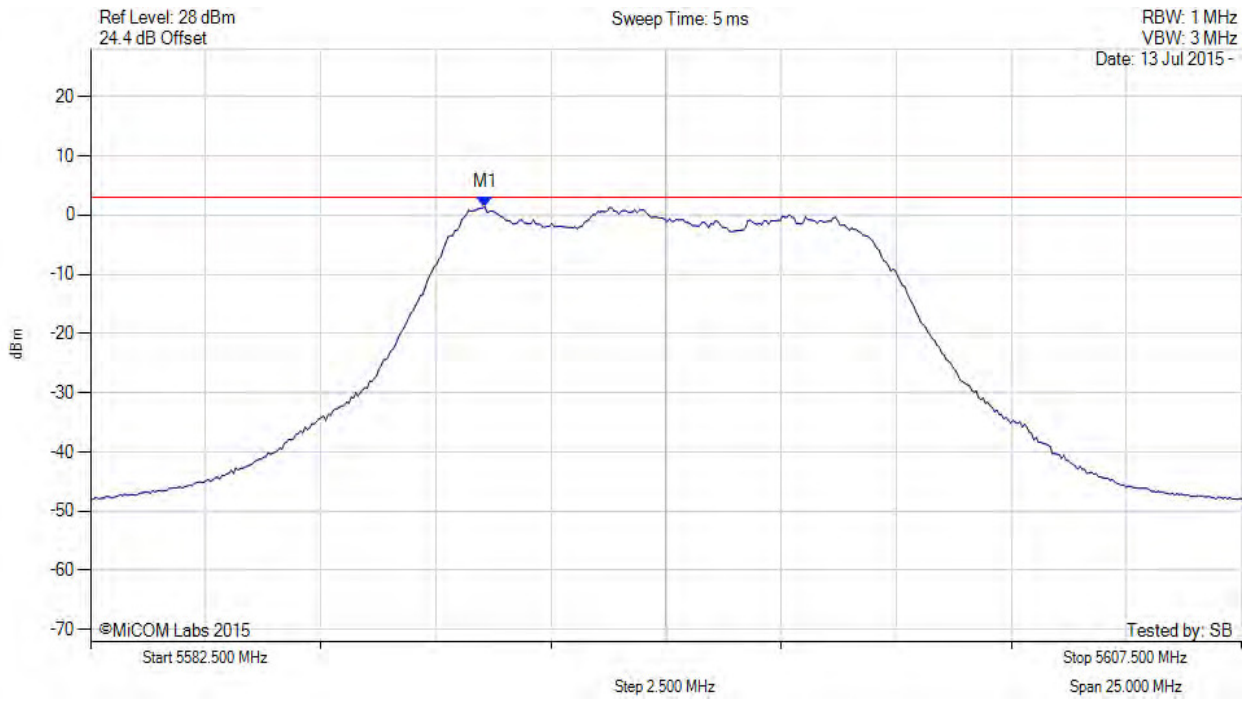
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5480.300 MHz : 3.287 dBm M1 + DCCF : 5480.300 MHz : 3.778 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 6.0 dBm Margin: -2.2 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5595.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



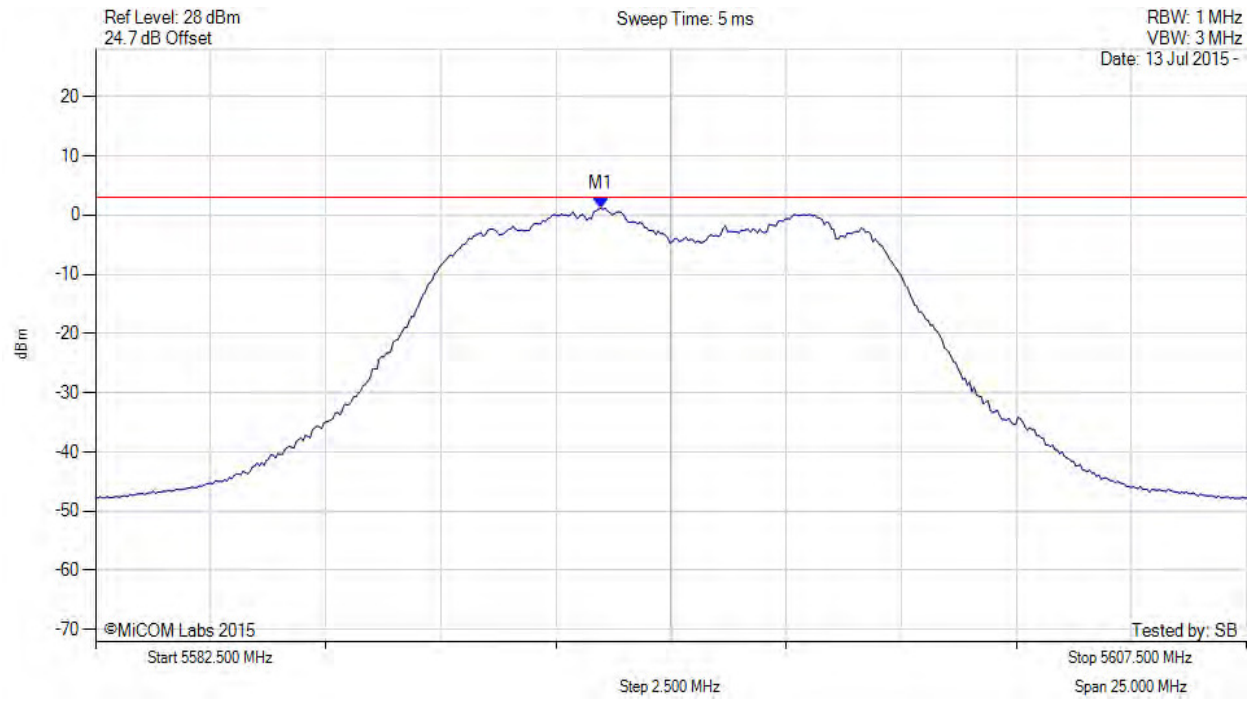
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5591.067 MHz : 1.382 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5595.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



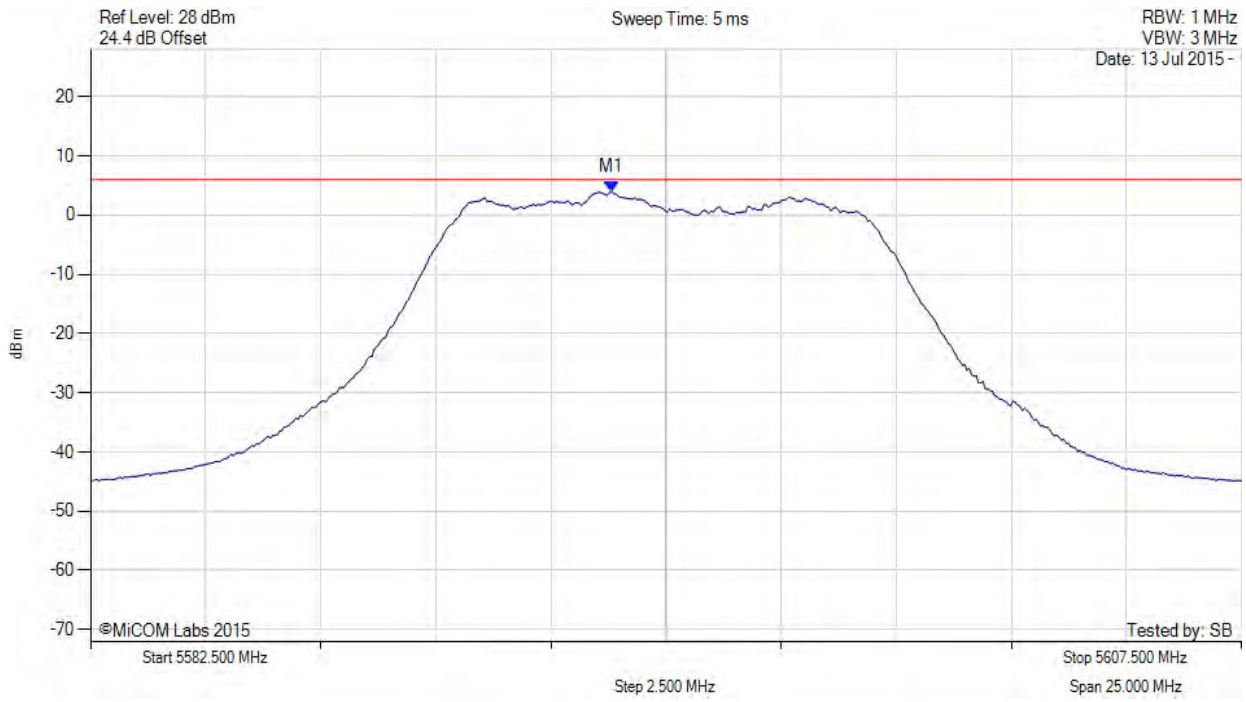
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5593.472 MHz : 1.144 dBm	Channel Frequency: 5595.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5595.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



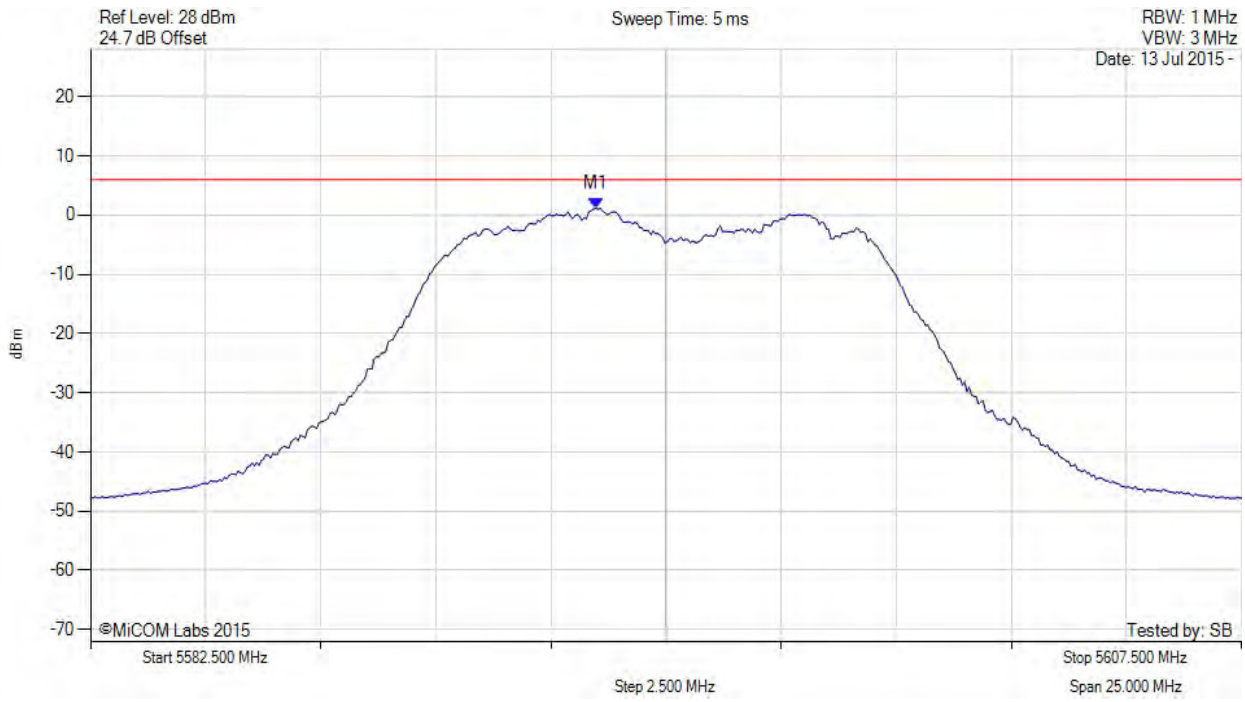
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5593.800 MHz : 3.931 dBm M1 + DCCF : 5593.800 MHz : 4.422 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 6.0 dBm Margin: -1.6 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5595.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



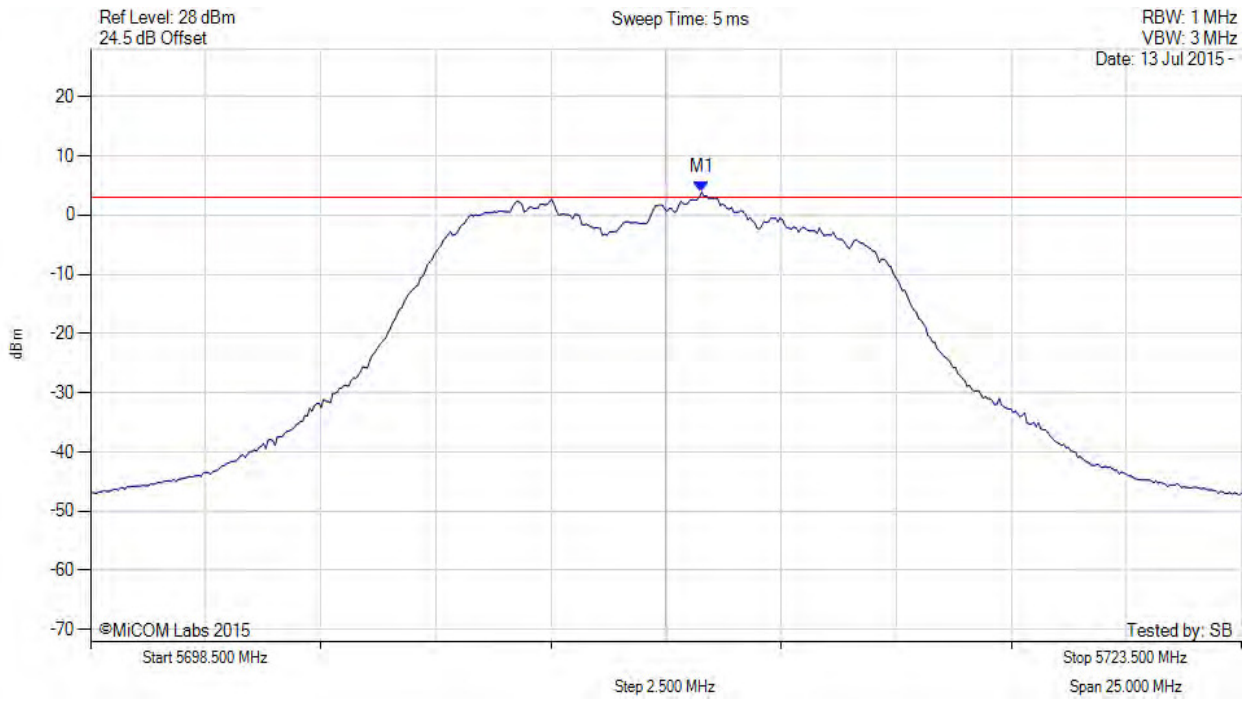
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5593.500 MHz : 1.144 dBm M1 + DCCF : 5593.500 MHz : 1.635 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 6.0 dBm Margin: -4.4 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5711.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



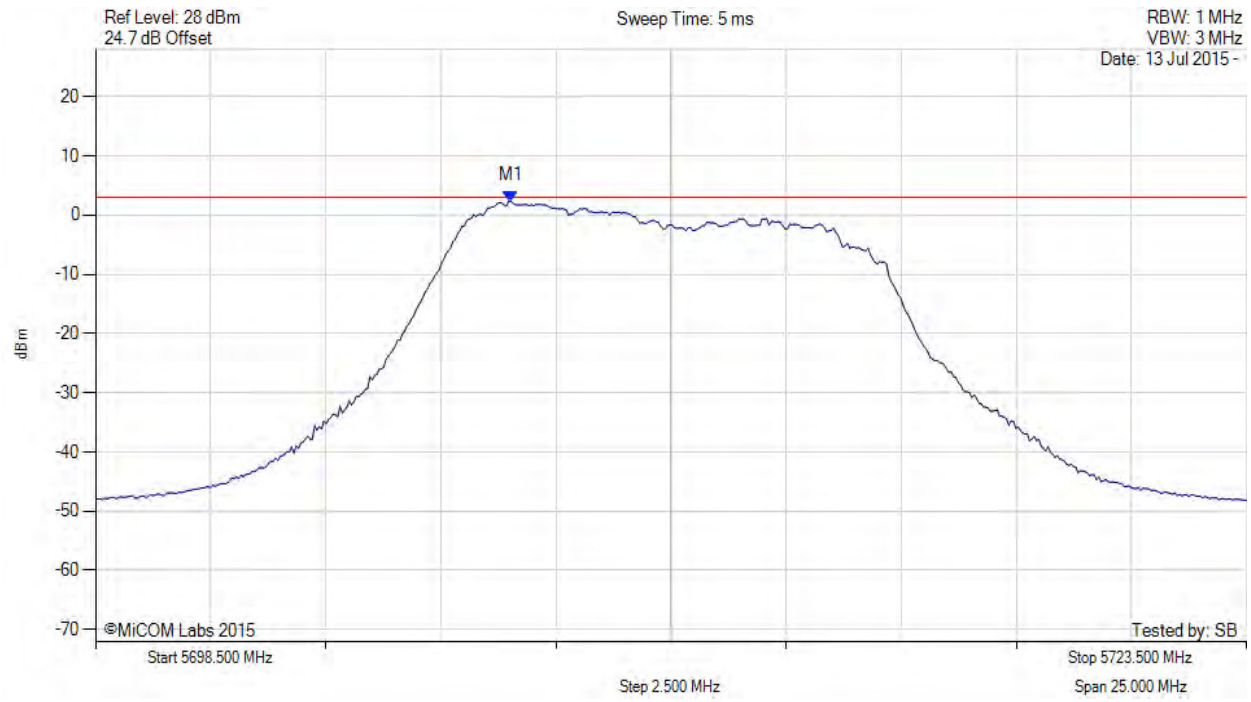
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5711.777 MHz : 3.830 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5711.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



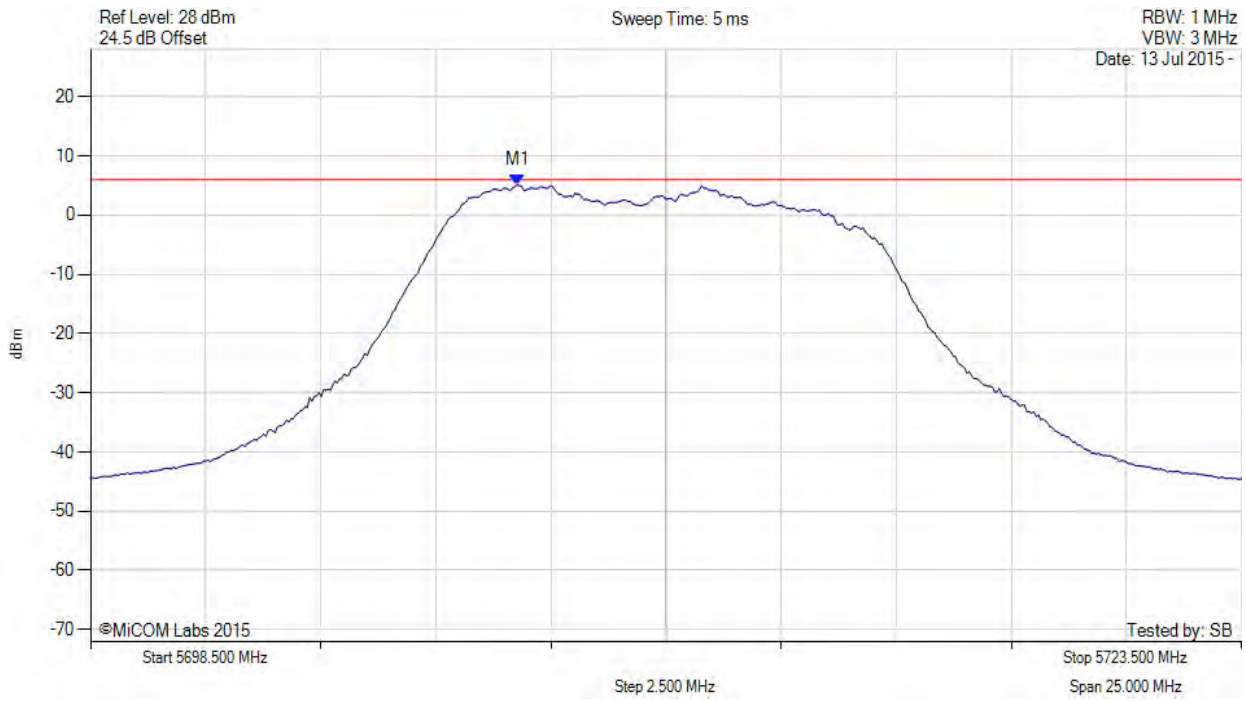
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.518 MHz : 2.369 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5711.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



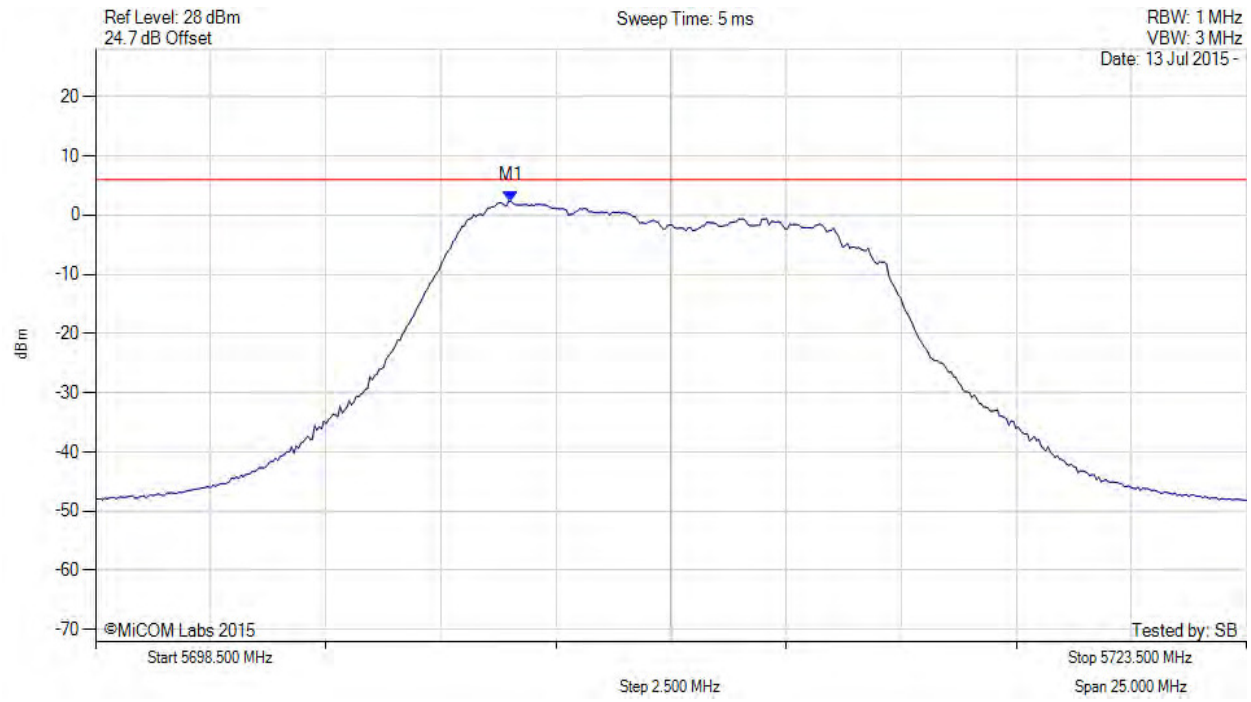
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.800 MHz : 5.079 dBm M1 + DCCF : 5707.800 MHz : 5.570 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 6.0 dBm Margin: -0.4 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 10 MHz, Channel: 5711.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



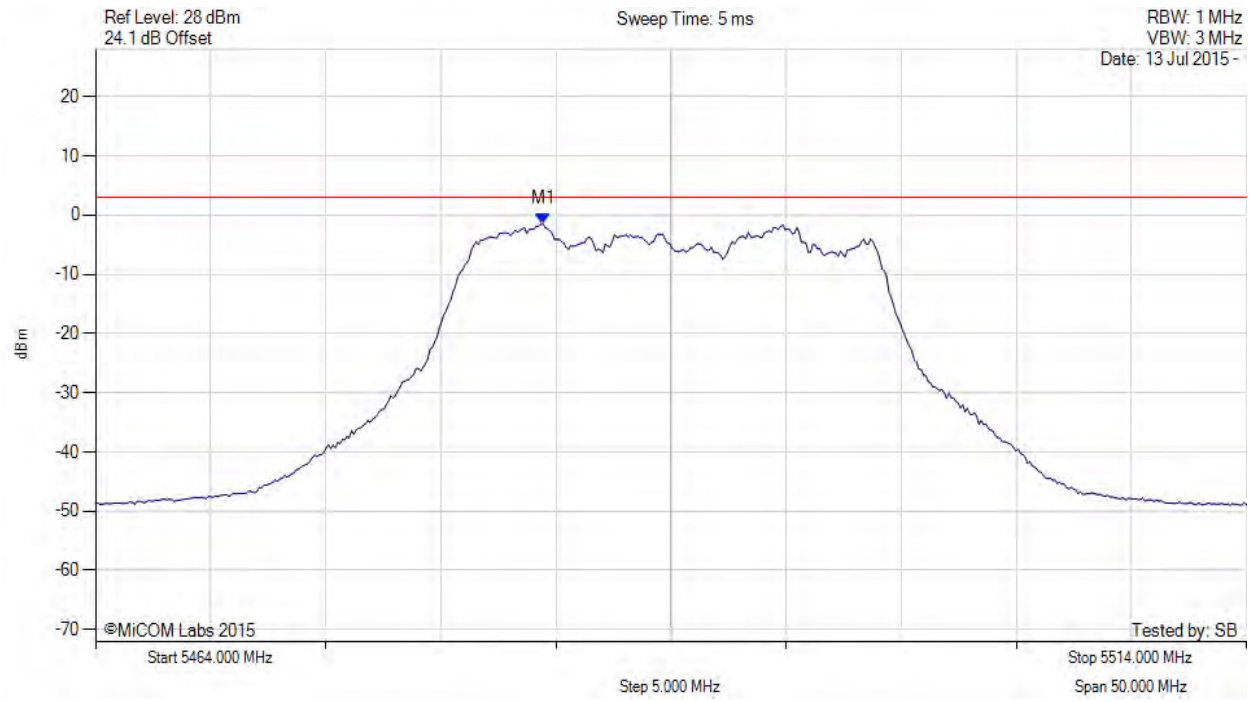
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5707.500 MHz : 2.369 dBm M1 + DCCF : 5707.500 MHz : 2.860 dBm Duty Cycle Correction Factor : +0.51 dB	Limit: ≤ 6.0 dBm Margin: -3.1 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5489.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



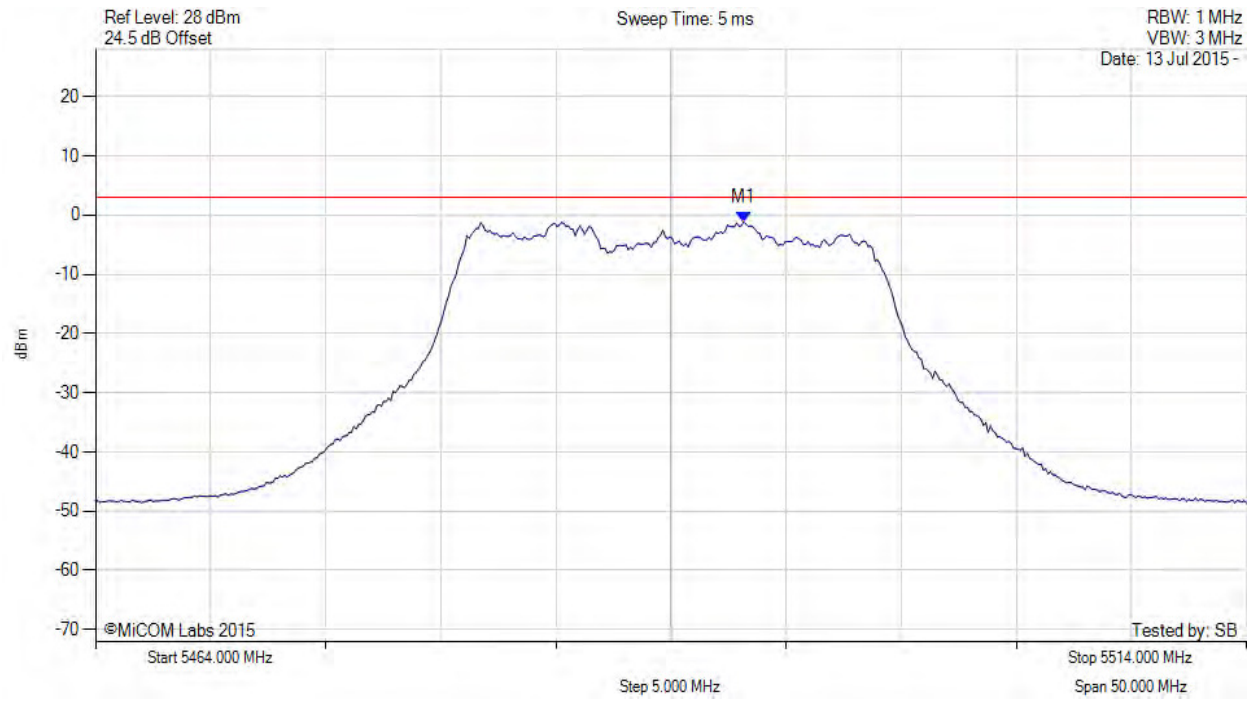
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5483.439 MHz : -1.504 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5489.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



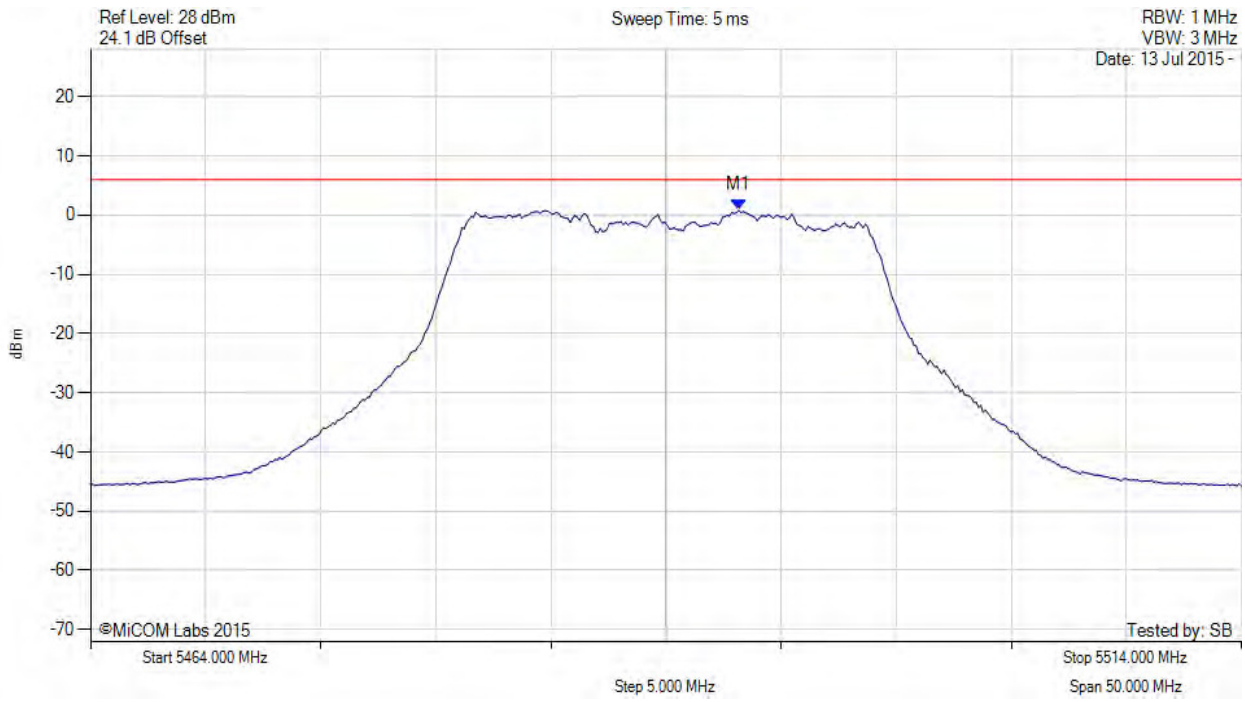
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5492.156 MHz : -1.149 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5489.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



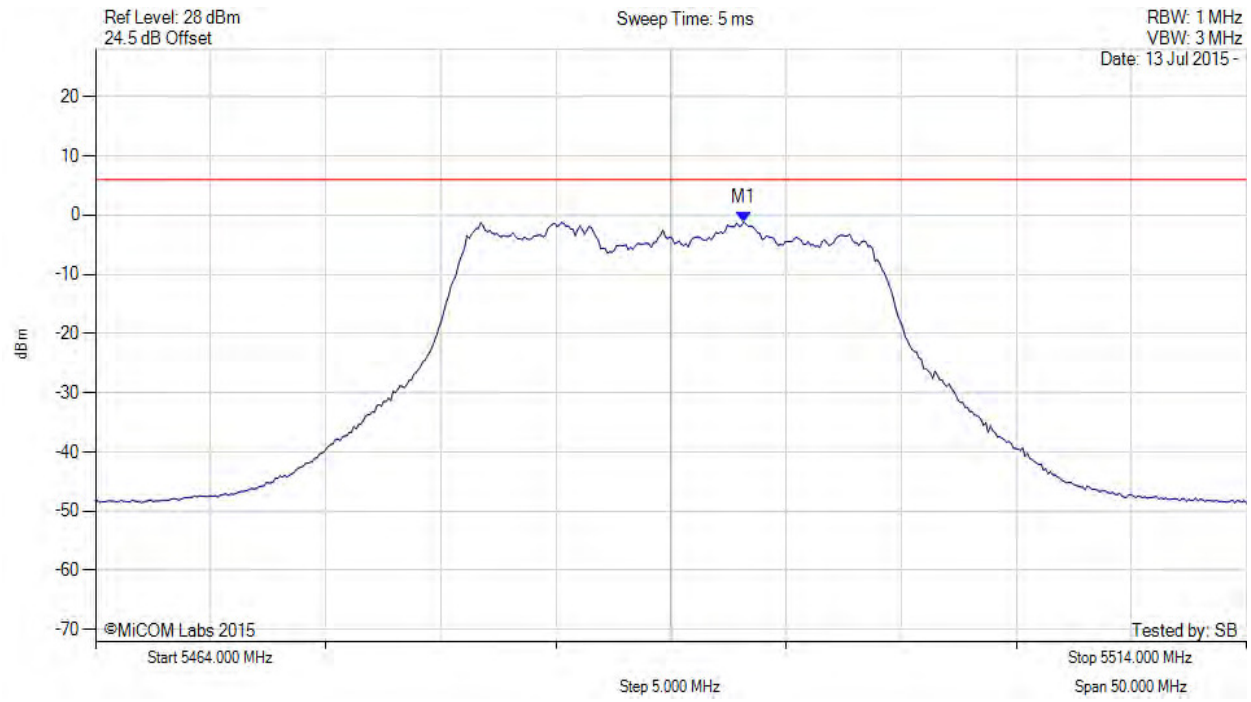
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5492.200 MHz : 0.806 dBm M1 + DCCF : 5492.200 MHz : 1.456 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 6.0 dBm Margin: -4.6 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5489.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



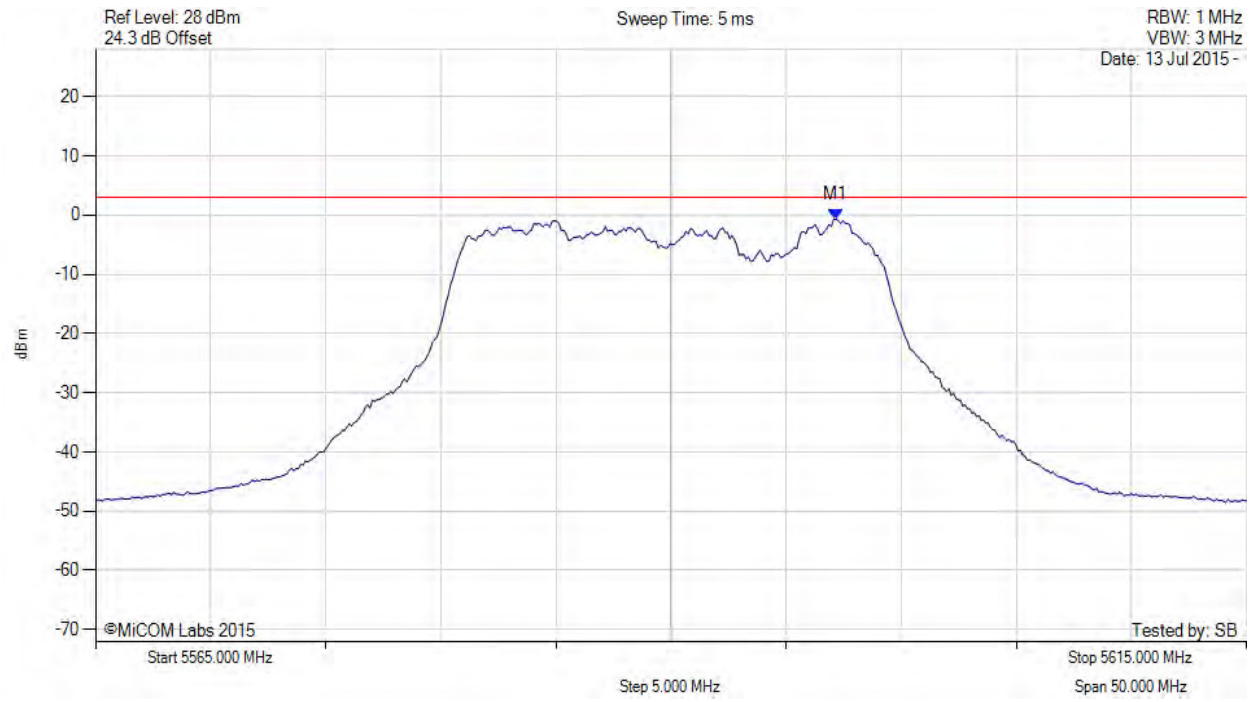
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5492.200 MHz : -1.149 dBm M1 + DCCF : 5492.200 MHz : -0.499 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 6.0 dBm Margin: -6.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5590.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



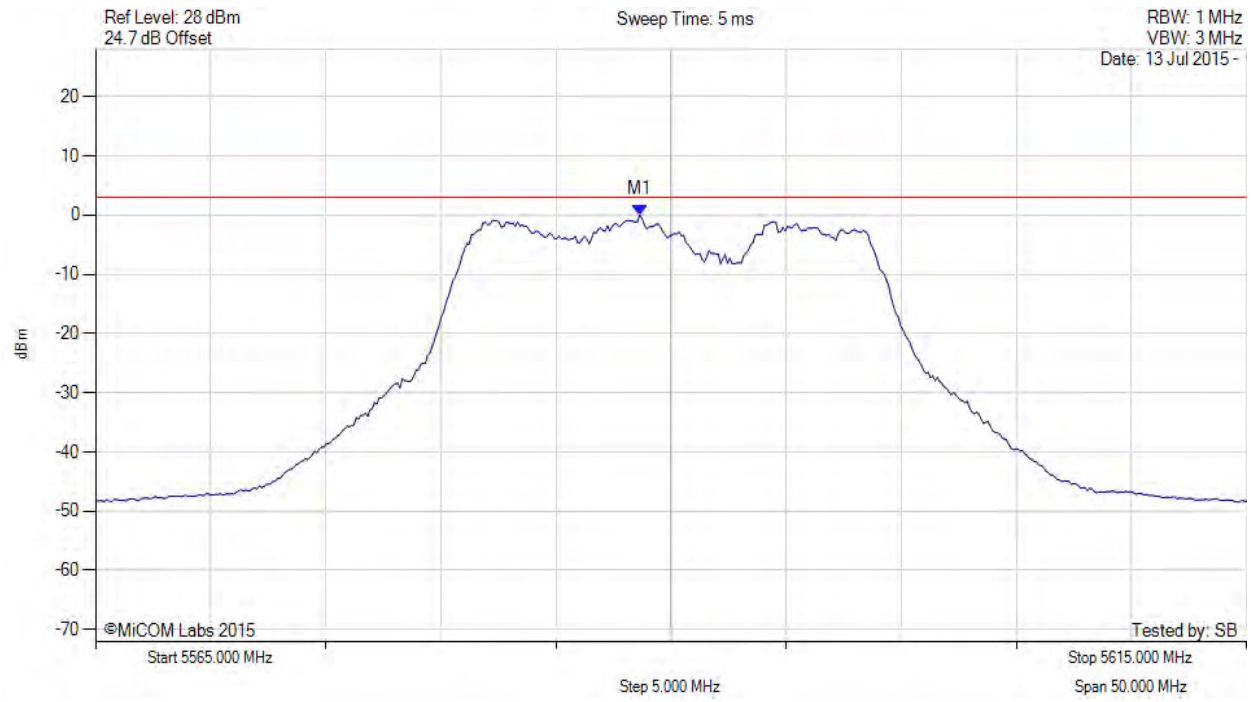
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5597.164 MHz : -0.690 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5590.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



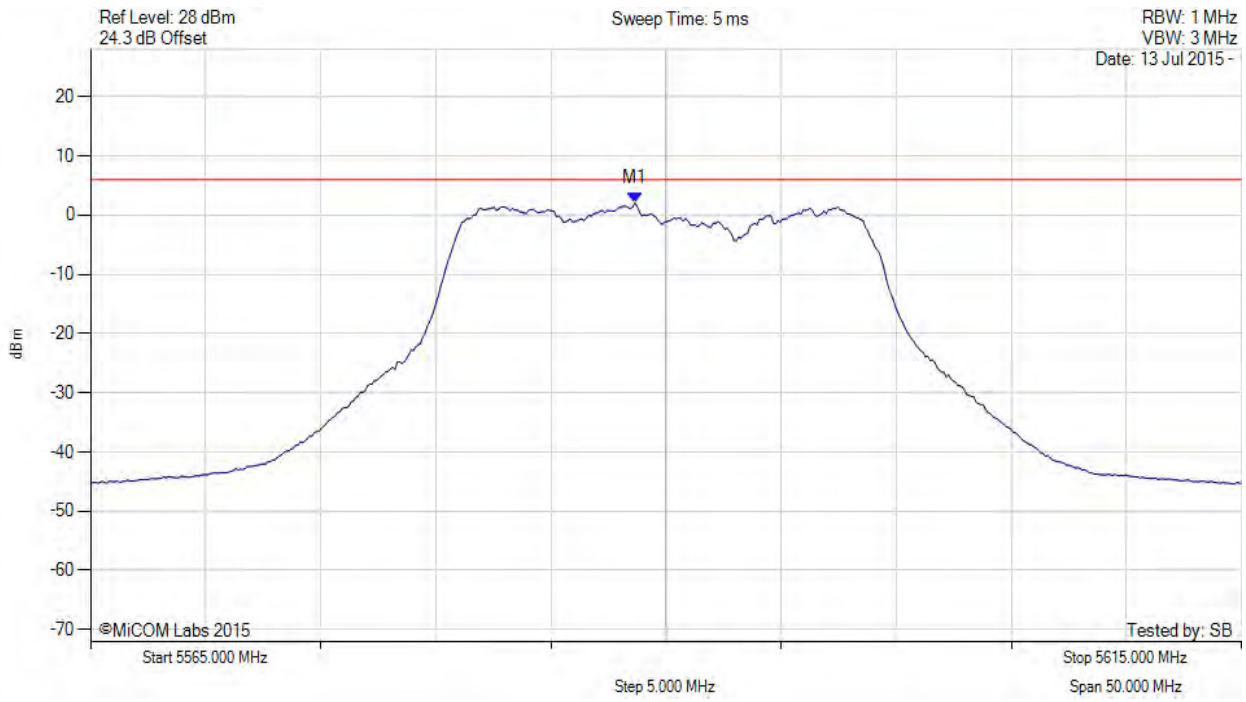
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5588.647 MHz : 0.042 dBm	Channel Frequency: 5590.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5590.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



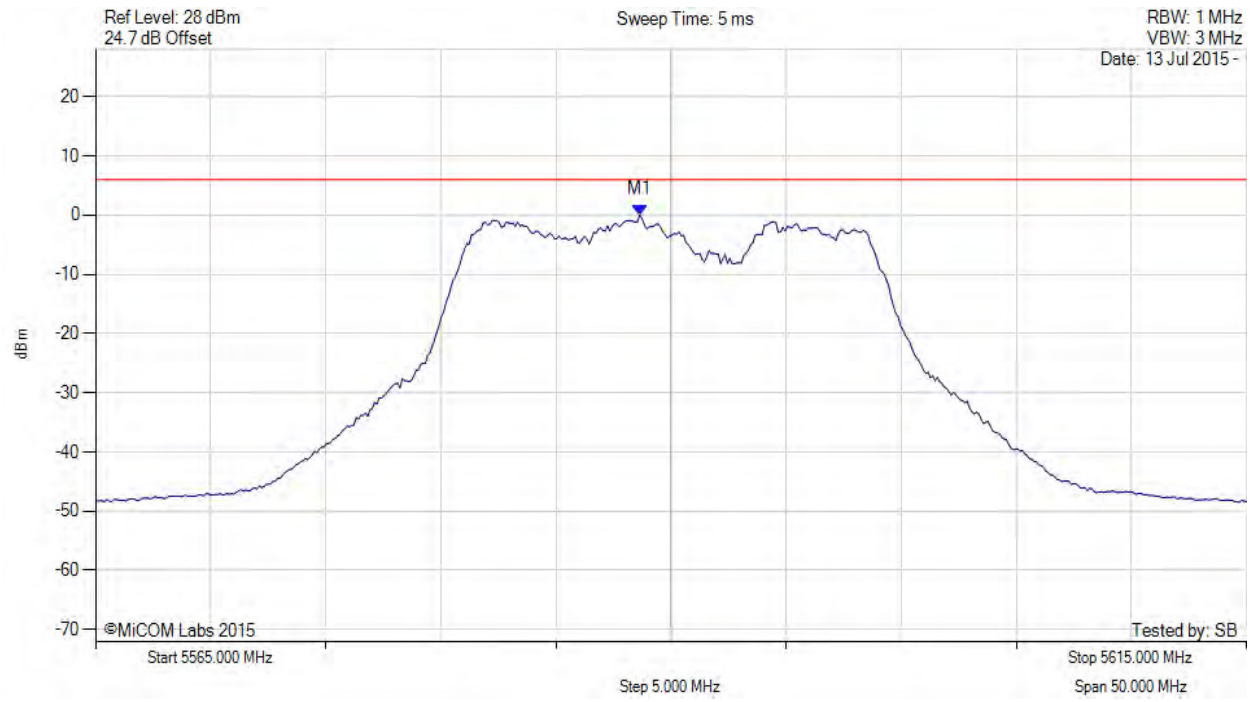
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5588.600 MHz : 2.056 dBm M1 + DCCF : 5588.600 MHz : 2.706 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 6.0 dBm Margin: -3.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5590.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



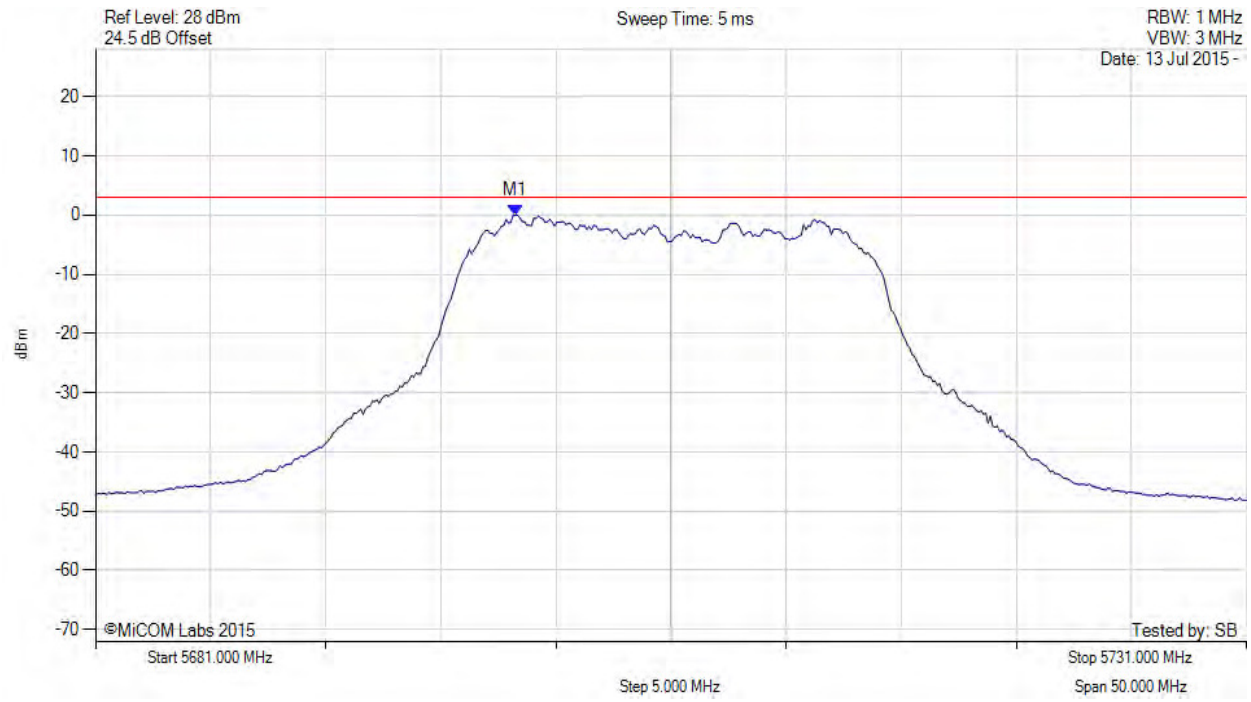
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5588.600 MHz : 0.042 dBm M1 + DCCF : 5588.600 MHz : 0.692 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 6.0 dBm Margin: -5.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5706.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



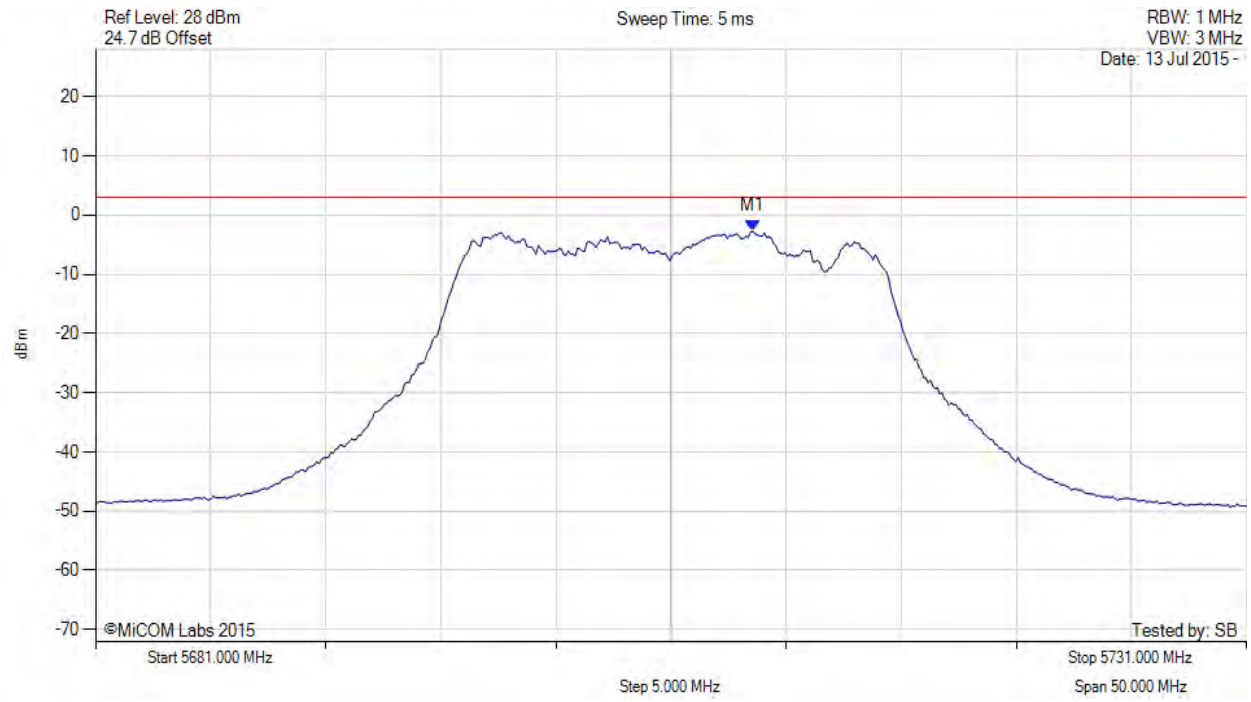
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5699.236 MHz : -0.004 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5706.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



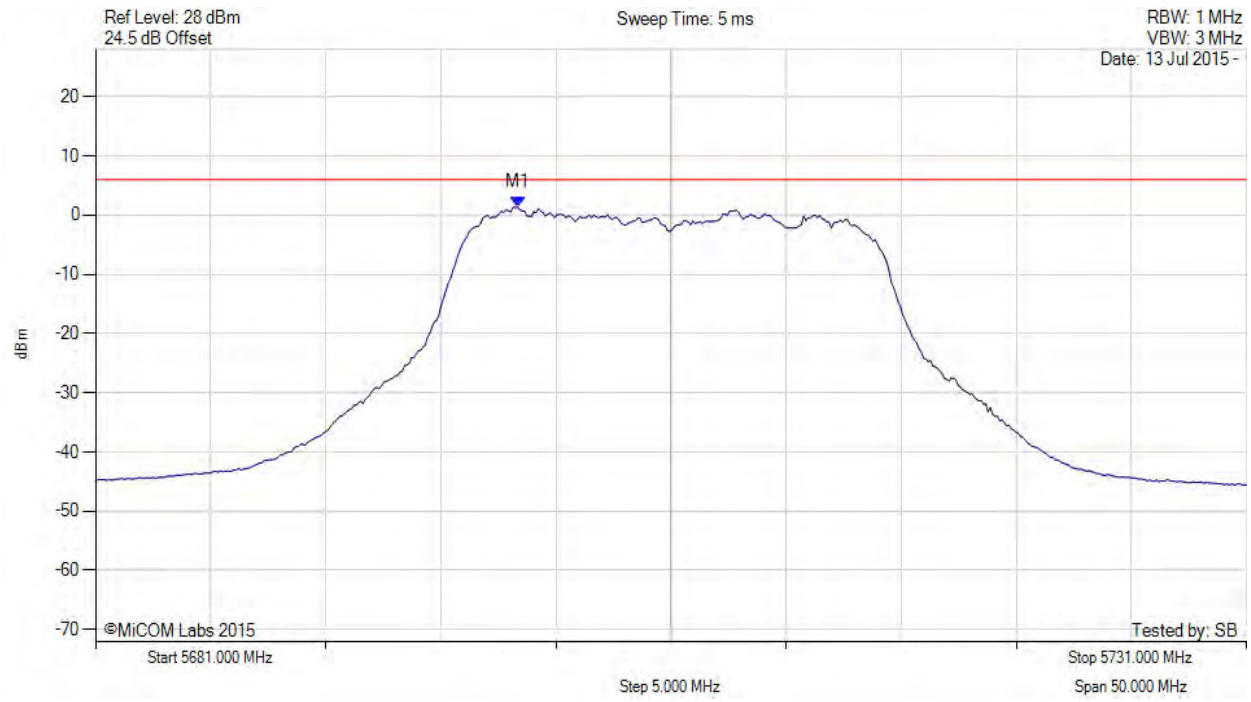
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5709.557 MHz : -2.730 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5706.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



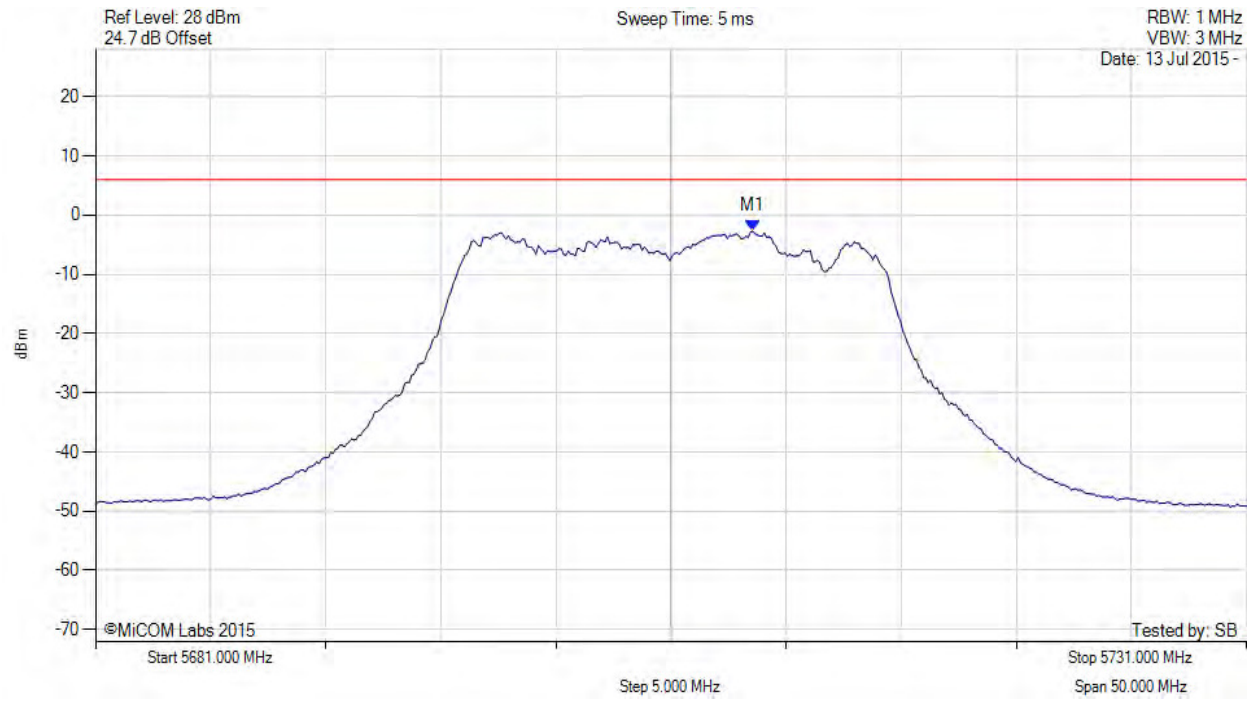
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5699.300 MHz : 1.302 dBm M1 + DCCF : 5699.300 MHz : 1.952 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 6.0 dBm Margin: -4.1 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 20 MHz, Channel: 5706.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



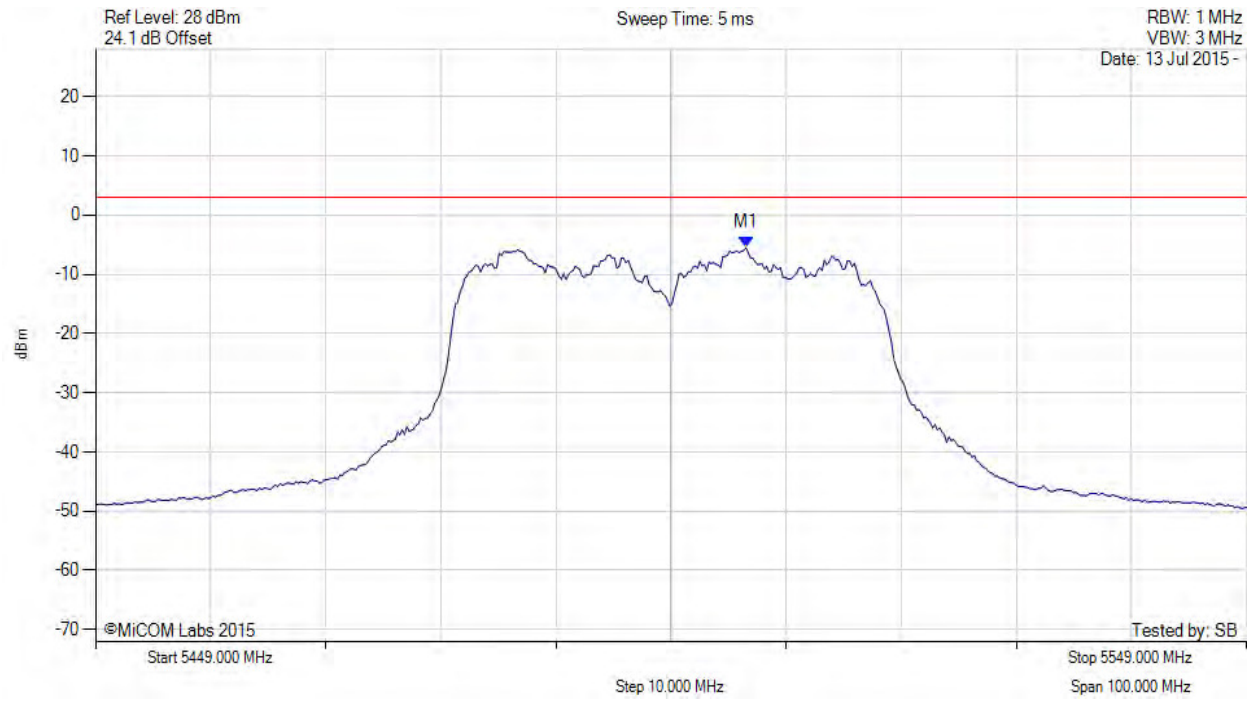
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5709.600 MHz : -2.730 dBm M1 + DCCF : 5709.600 MHz : -2.080 dBm Duty Cycle Correction Factor : +0.66 dB	Limit: ≤ 6.0 dBm Margin: -8.1 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5499.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



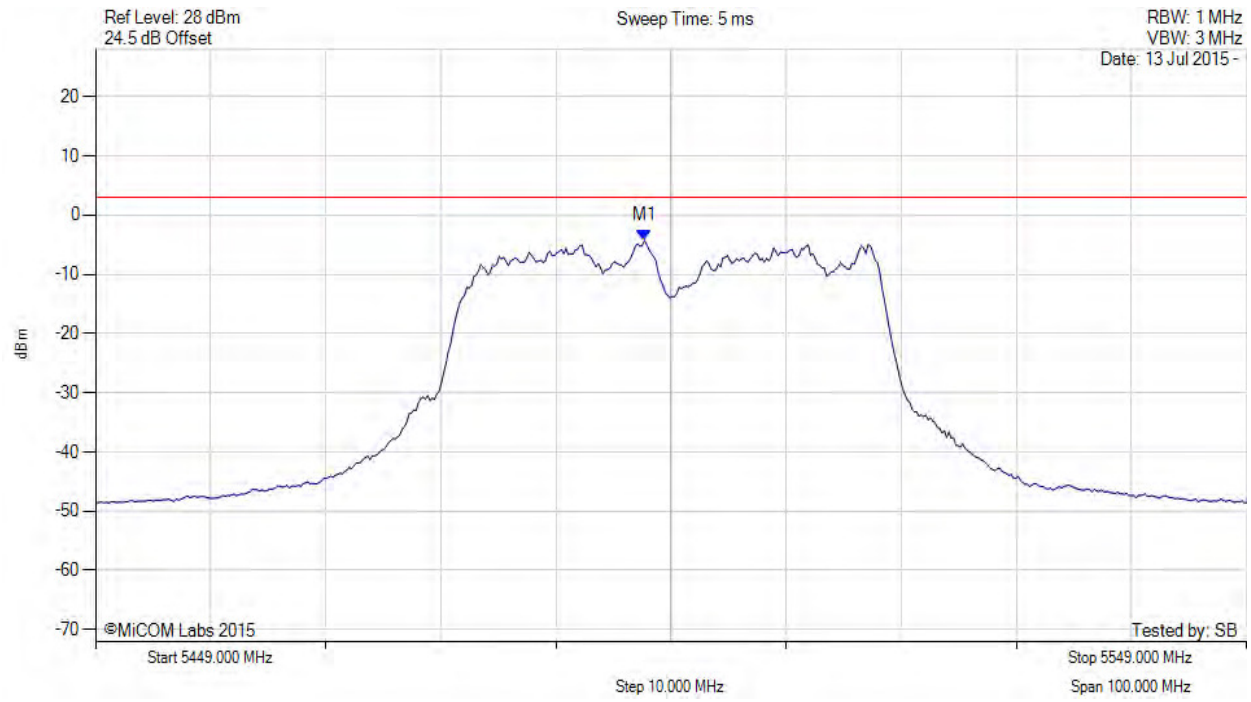
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5505.513 MHz : -5.493 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5499.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



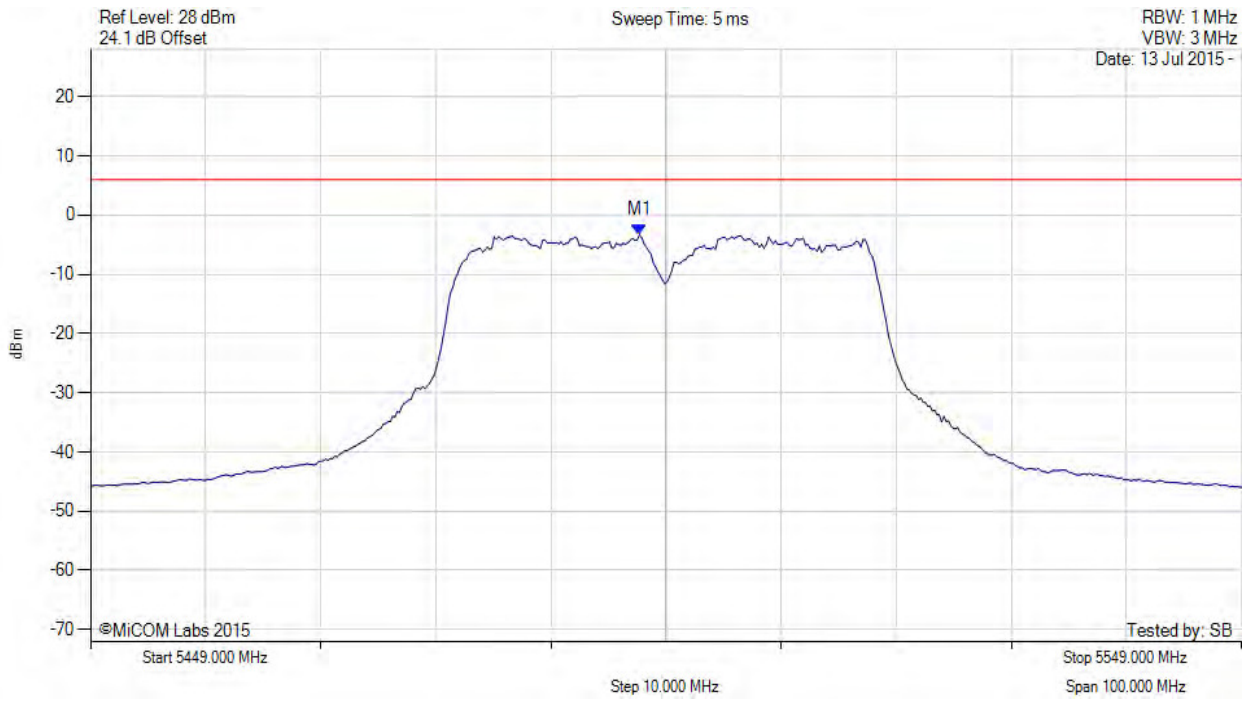
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5496.695 MHz : -4.263 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5499.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



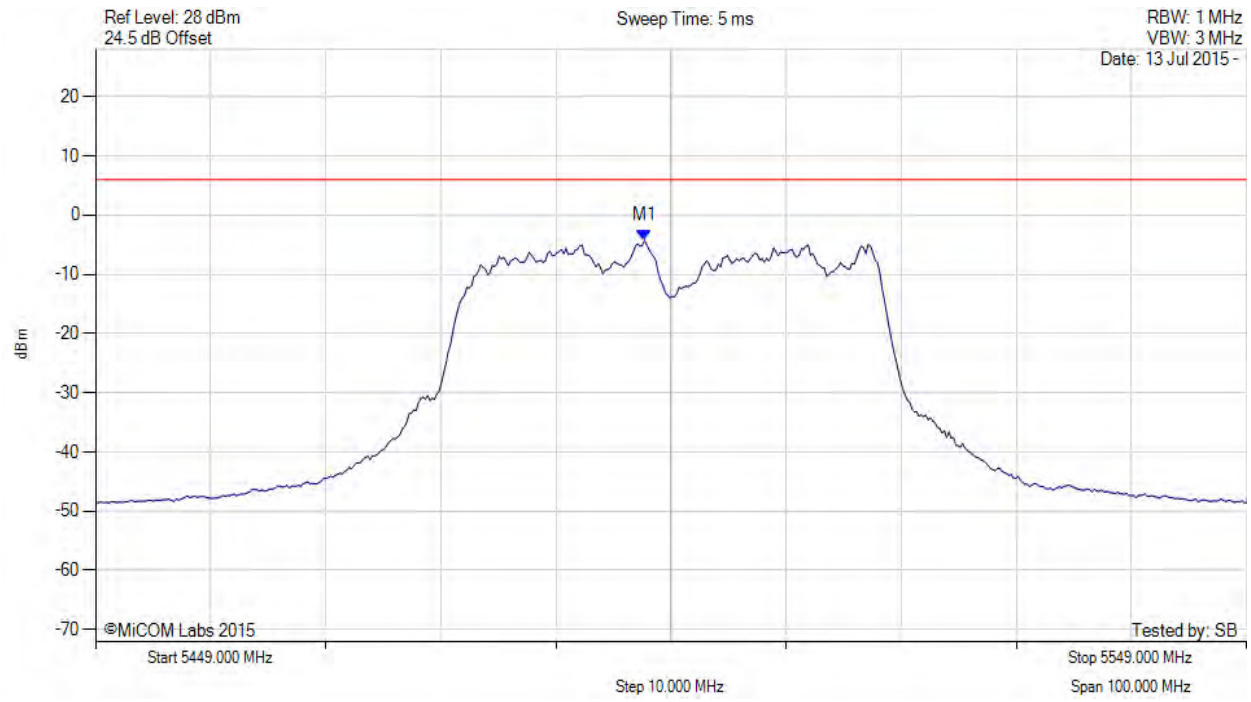
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5496.700 MHz : -3.316 dBm M1 + DCCF : 5496.700 MHz : -2.379 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 6.0 dBm Margin: -8.4 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5499.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



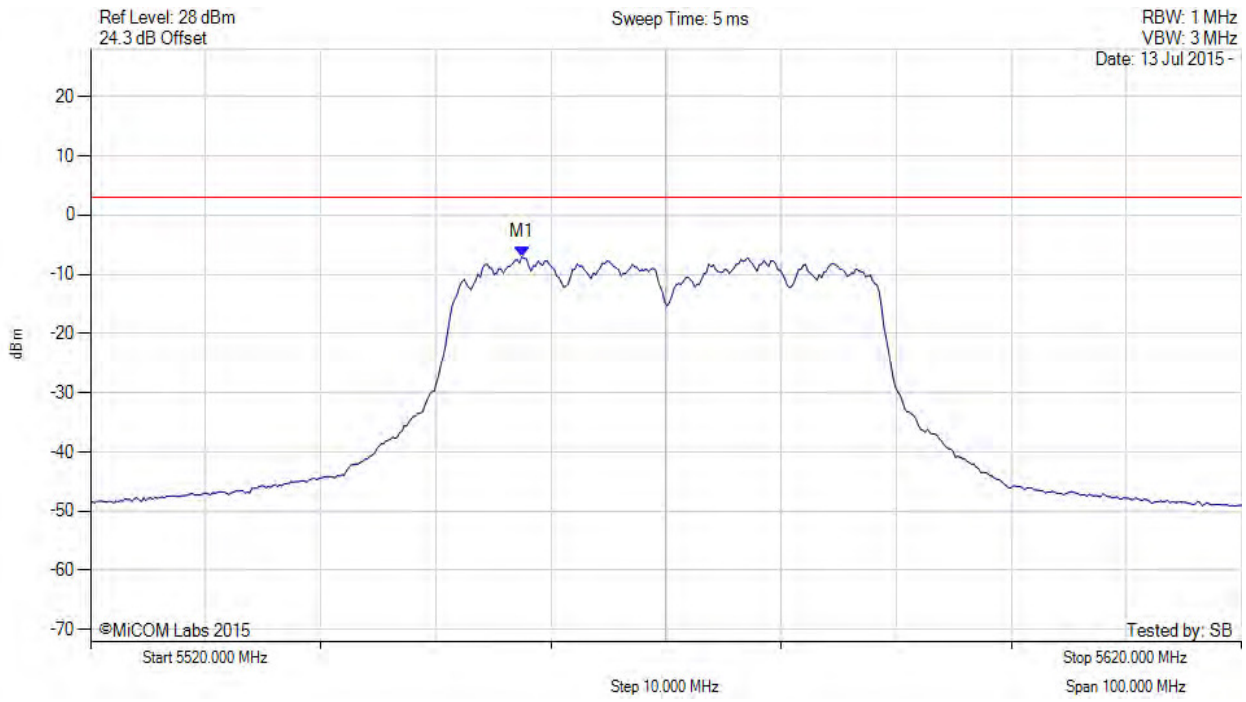
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5496.700 MHz : -4.263 dBm M1 + DCCF : 5496.700 MHz : -3.326 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 6.0 dBm Margin: -9.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5570.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



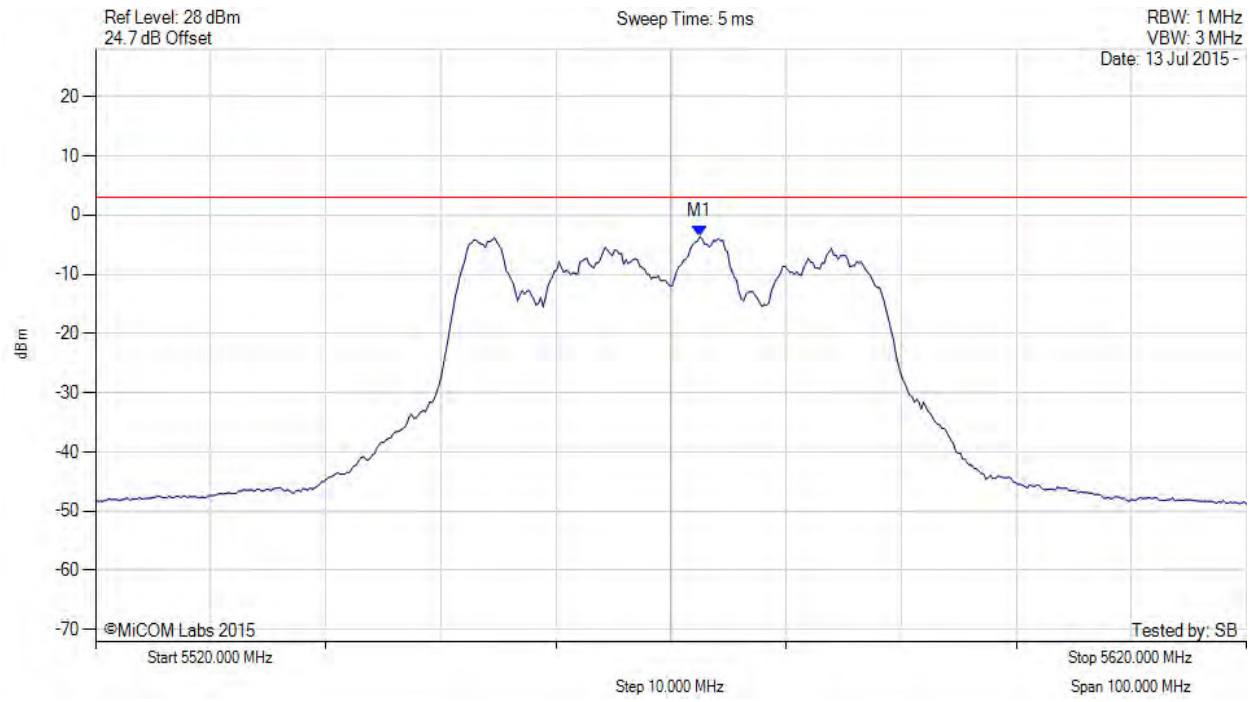
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5557.475 MHz : -7.063 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5570.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



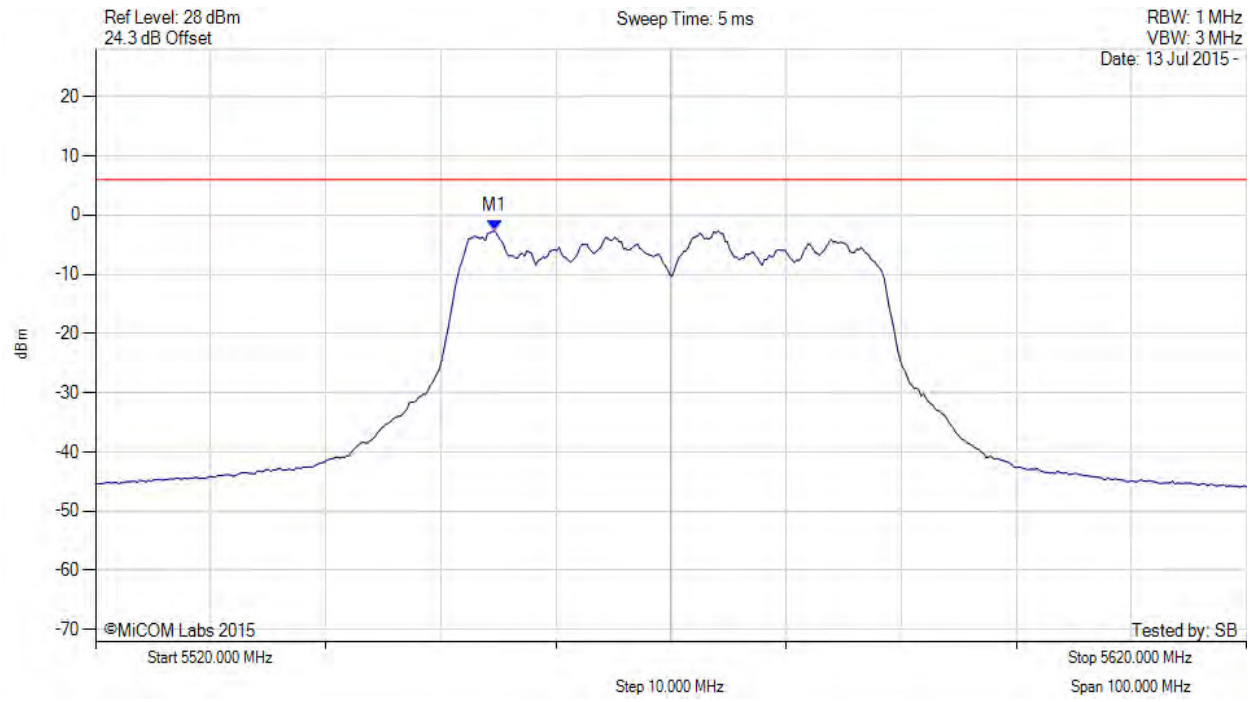
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5572.505 MHz : -3.658 dBm	Channel Frequency: 5570.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5570.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



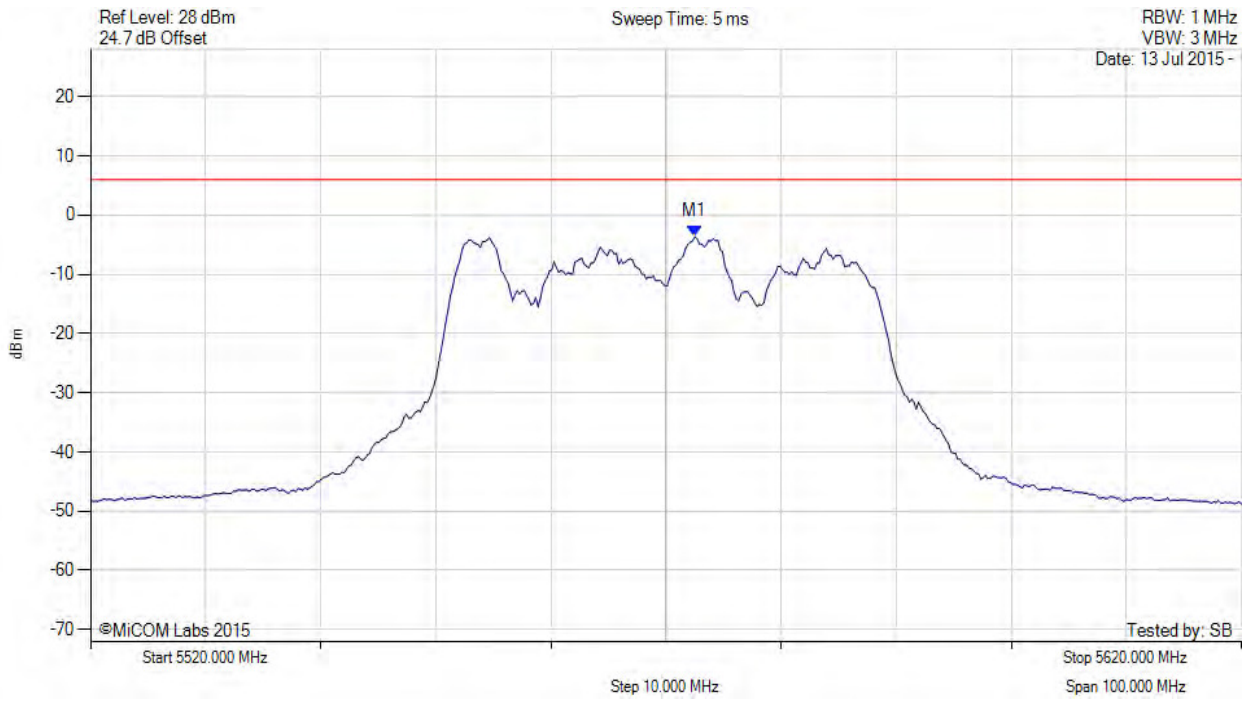
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5554.700 MHz : -2.642 dBm M1 + DCCF : 5554.700 MHz : -1.705 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 6.0 dBm Margin: -7.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5570.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



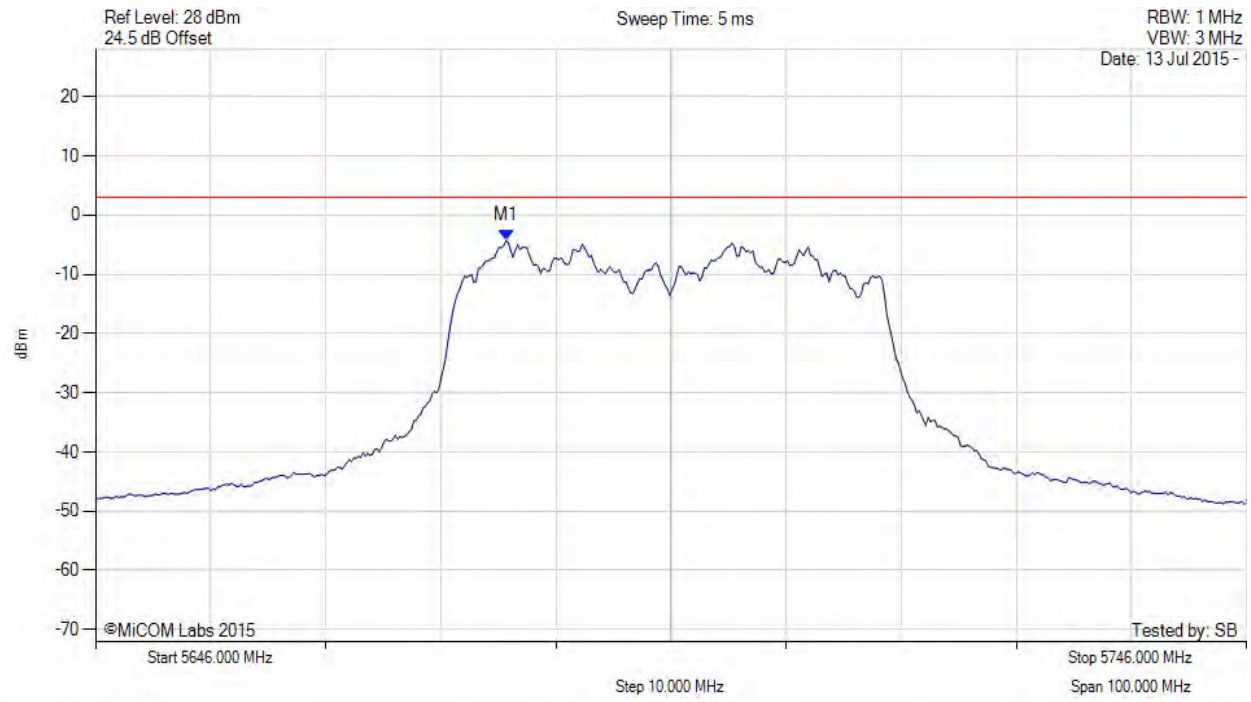
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5572.500 MHz : -3.658 dBm M1 + DCCF : 5572.500 MHz : -2.721 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 6.0 dBm Margin: -8.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5696.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



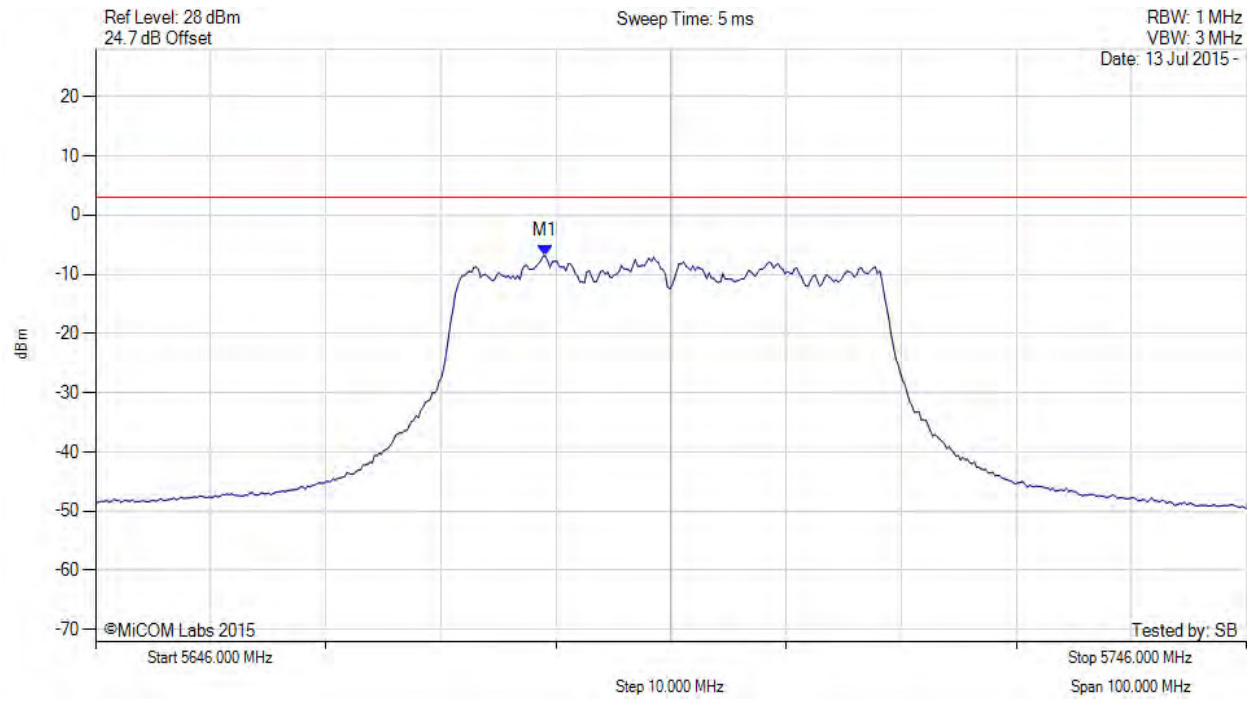
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5681.671 MHz : -4.300 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5696.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



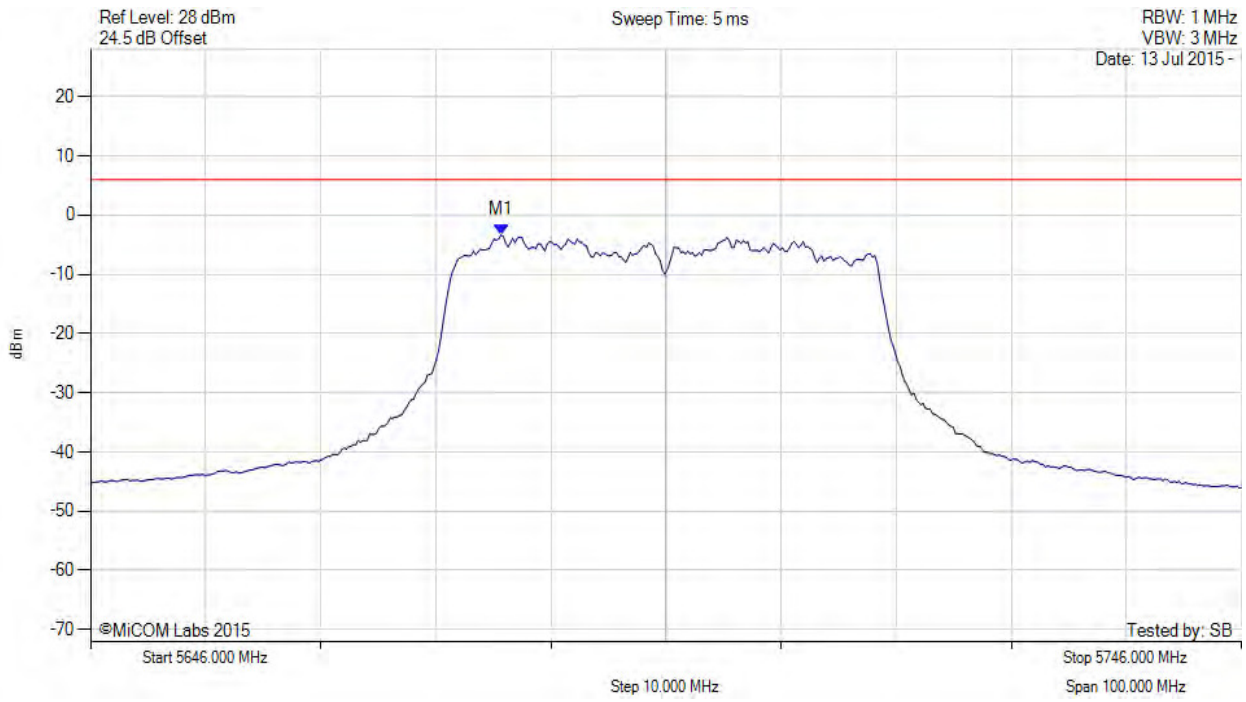
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5685.078 MHz : -6.893 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5696.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



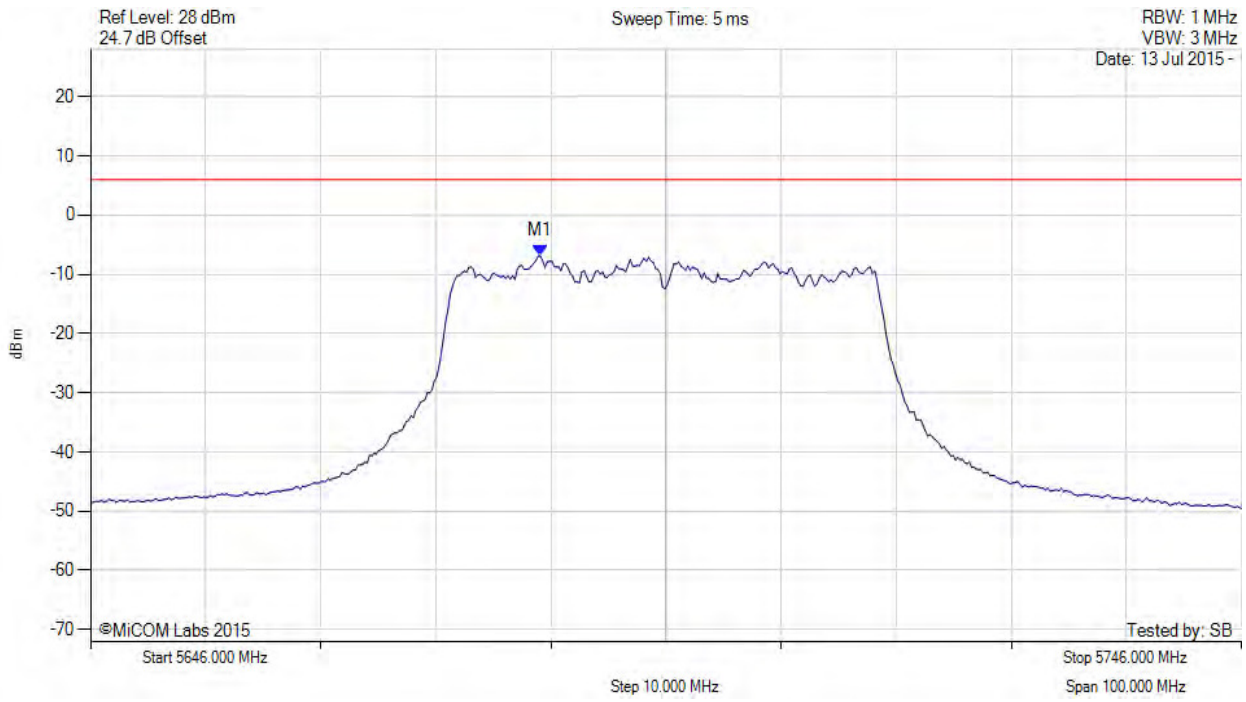
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5681.700 MHz : -3.359 dBm M1 + DCCF : 5681.700 MHz : -2.422 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 6.0 dBm Margin: -8.4 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 40 MHz, Channel: 5696.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



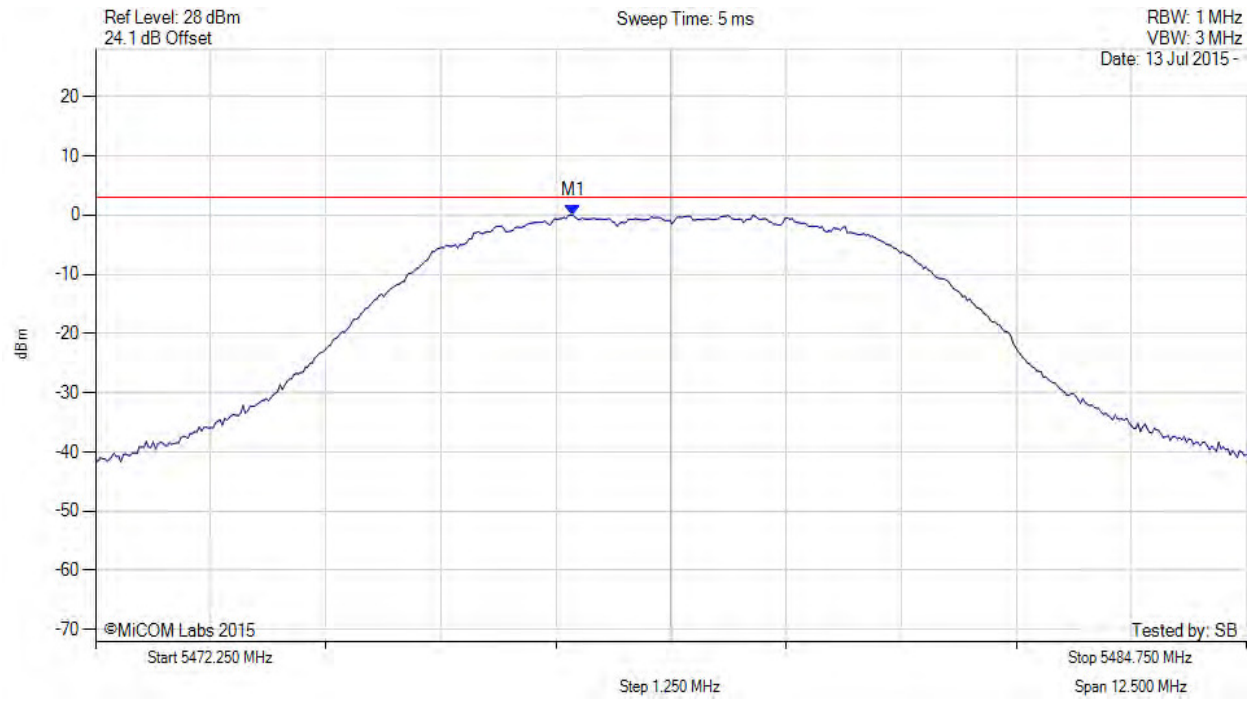
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5685.100 MHz : -6.893 dBm M1 + DCCF : 5685.100 MHz : -5.956 dBm Duty Cycle Correction Factor : +0.92 dB	Limit: ≤ 6.0 dBm Margin: -12.0 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5478.50 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



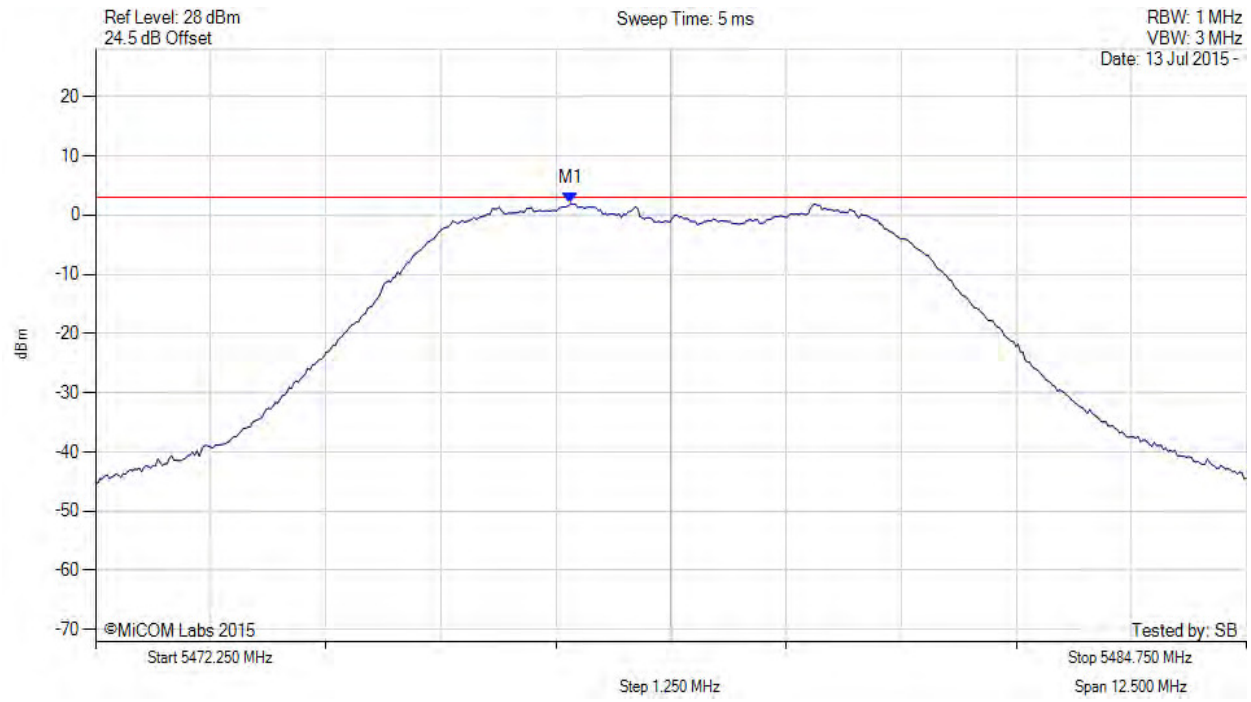
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5477.435 MHz : -0.010 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5478.50 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



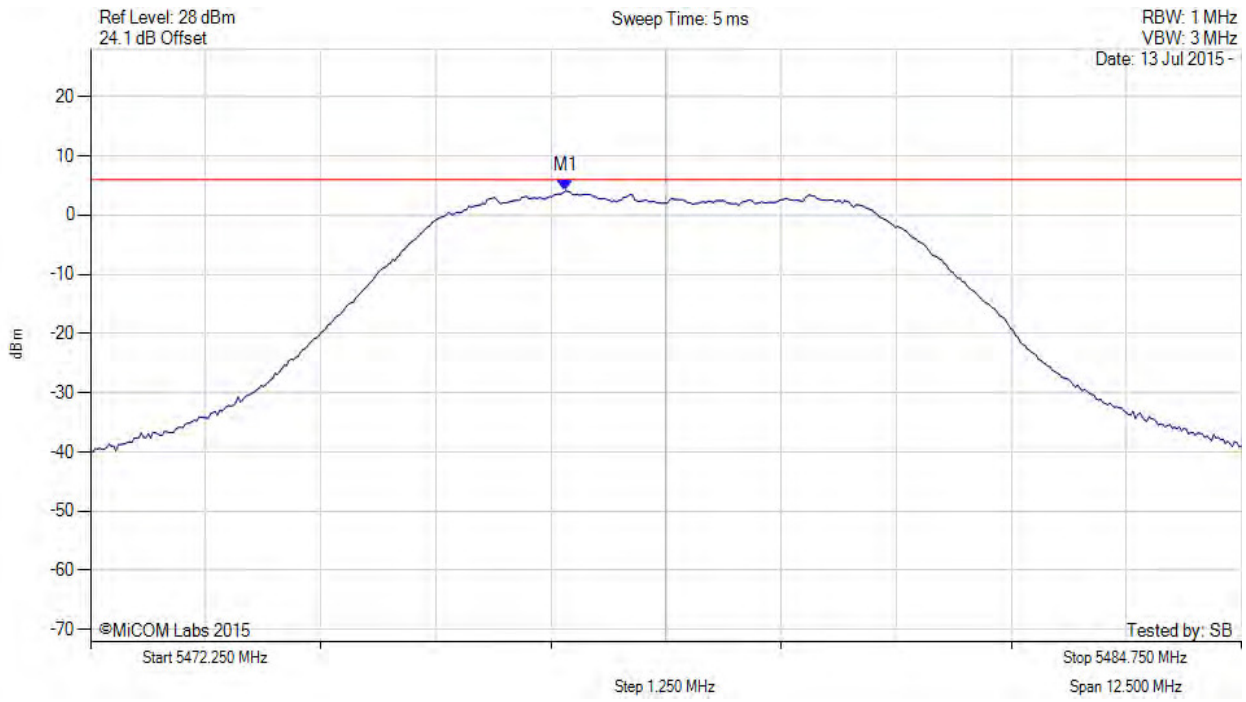
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5477.410 MHz : 1.975 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5478.50 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



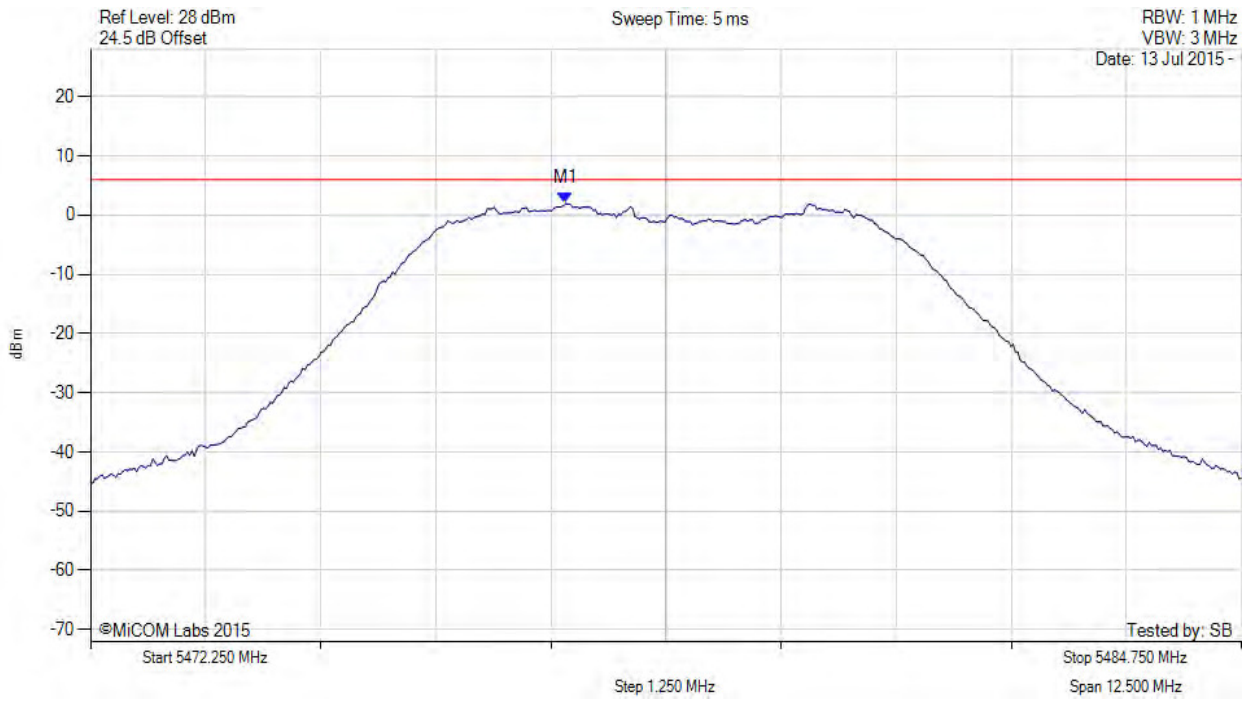
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5477.400 MHz : 4.103 dBm M1 + DCCF : 5477.400 MHz : 4.546 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 6.0 dBm Margin: -1.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5478.50 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



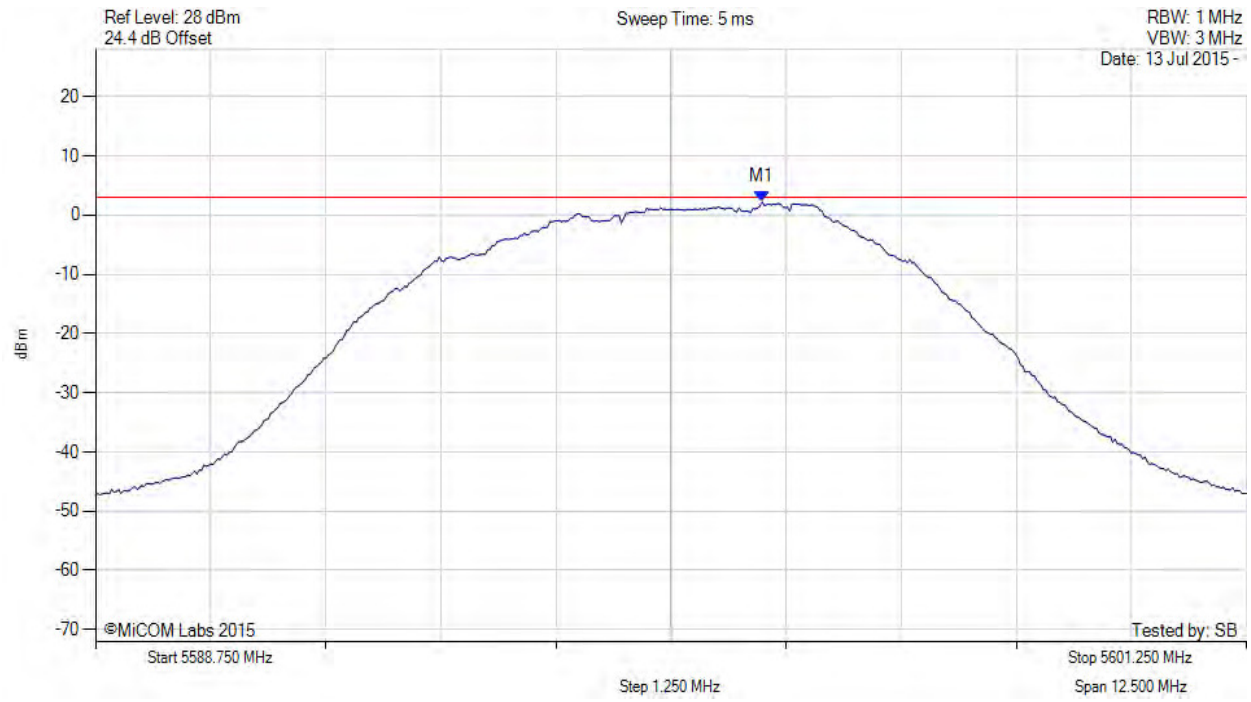
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5477.400 MHz : 1.975 dBm M1 + DCCF : 5477.400 MHz : 2.418 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 6.0 dBm Margin: -3.6 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5595.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



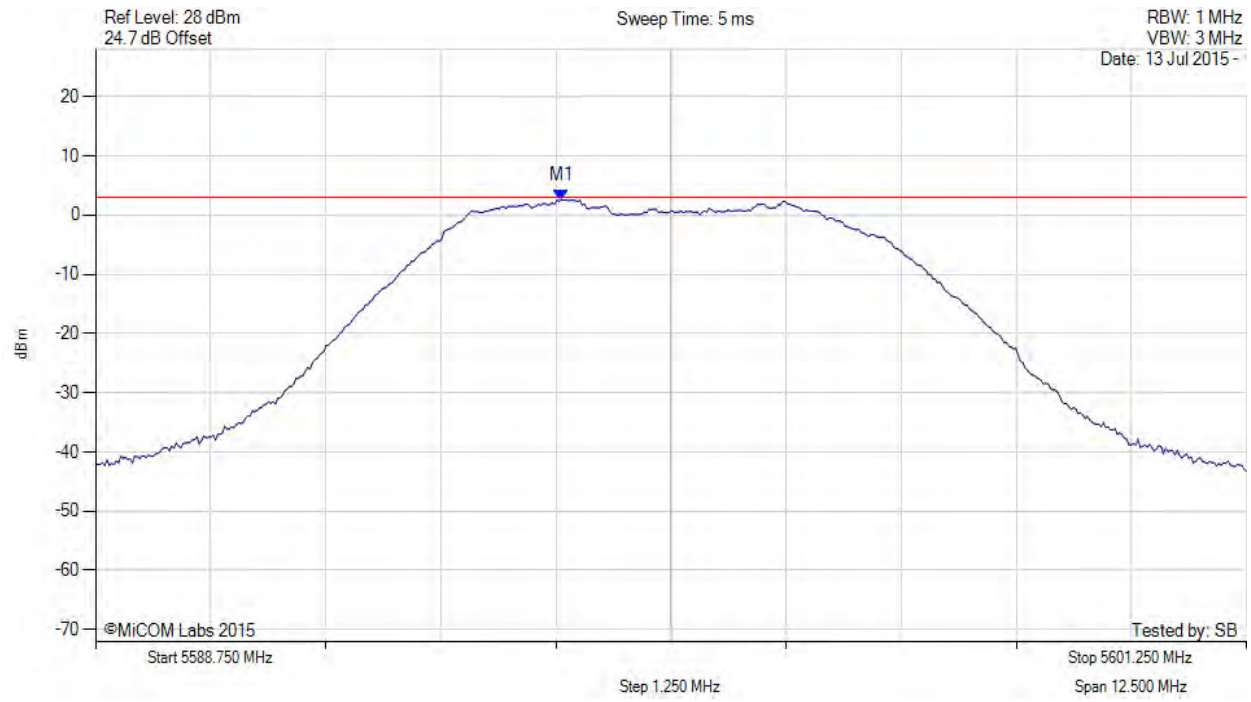
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5595.989 MHz : 2.233 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5595.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



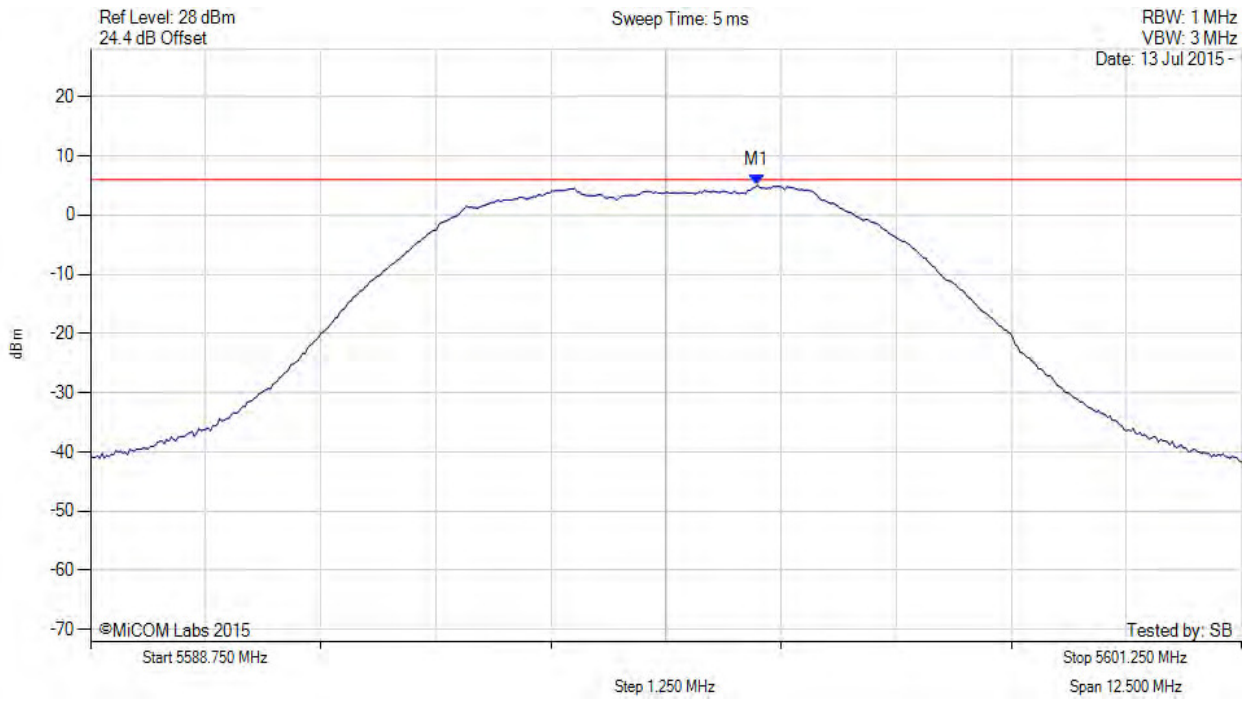
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5593.810 MHz : 2.569 dBm	Channel Frequency: 5595.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5595.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



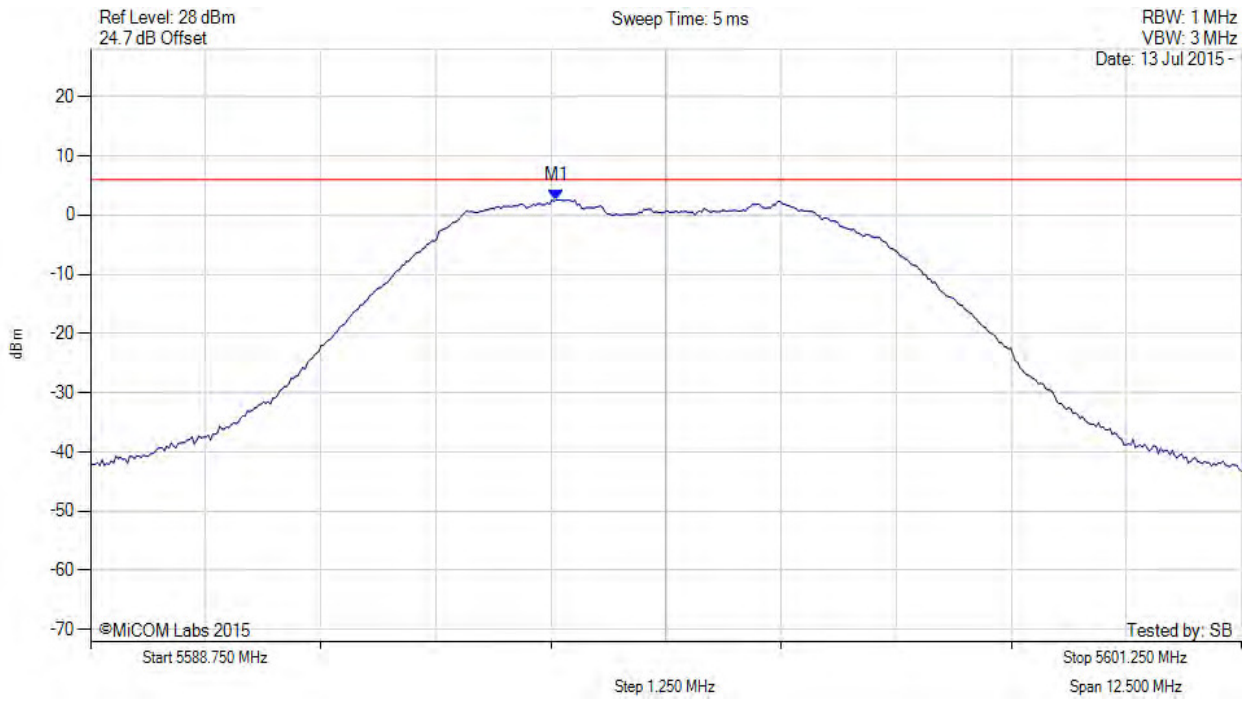
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5596.000 MHz : 5.038 dBm M1 + DCCF : 5596.000 MHz : 5.481 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 6.0 dBm Margin: -0.5 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5595.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



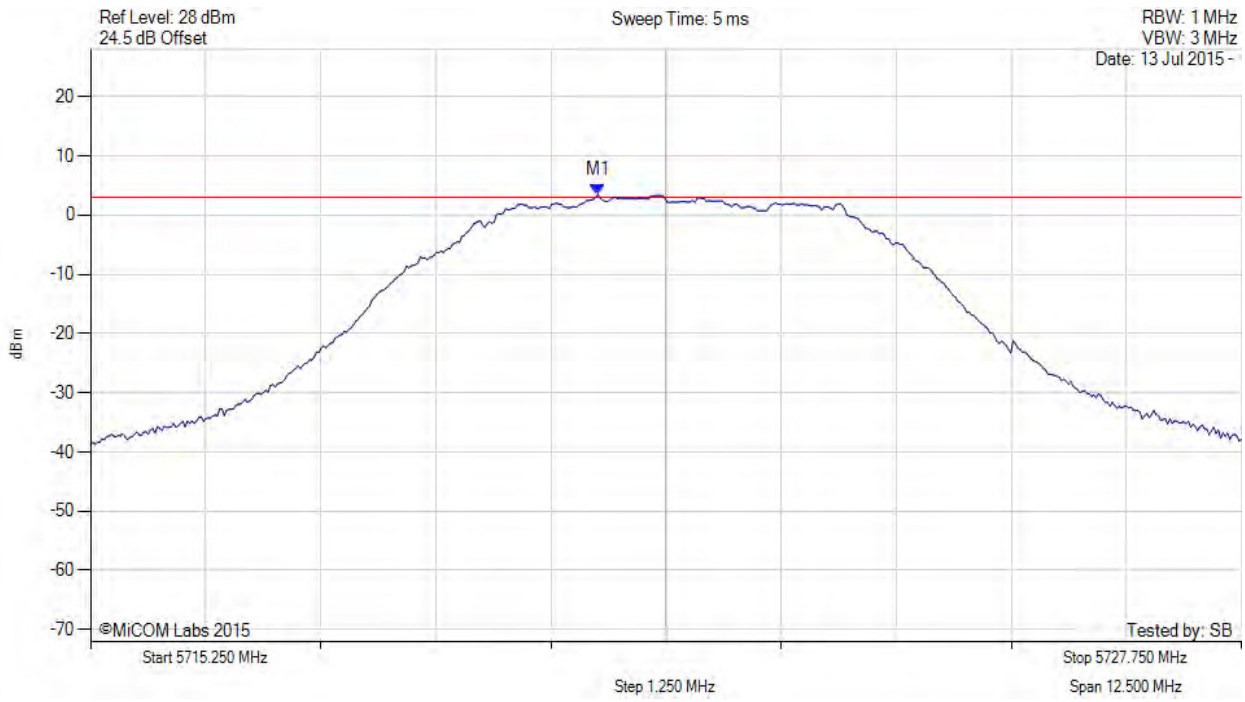
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5593.800 MHz : 2.569 dBm M1 + DCCF : 5593.800 MHz : 3.012 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 6.0 dBm Margin: -3.0 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5721.50 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



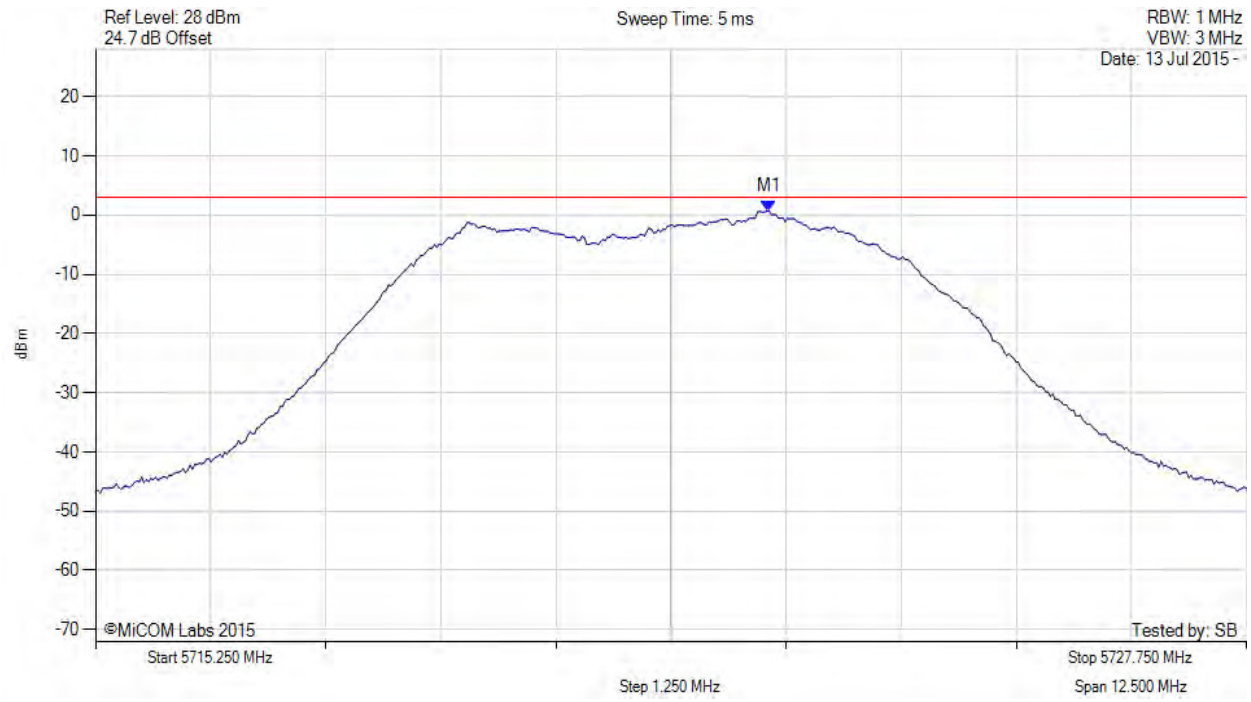
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5720.761 MHz : 3.512 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5721.50 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



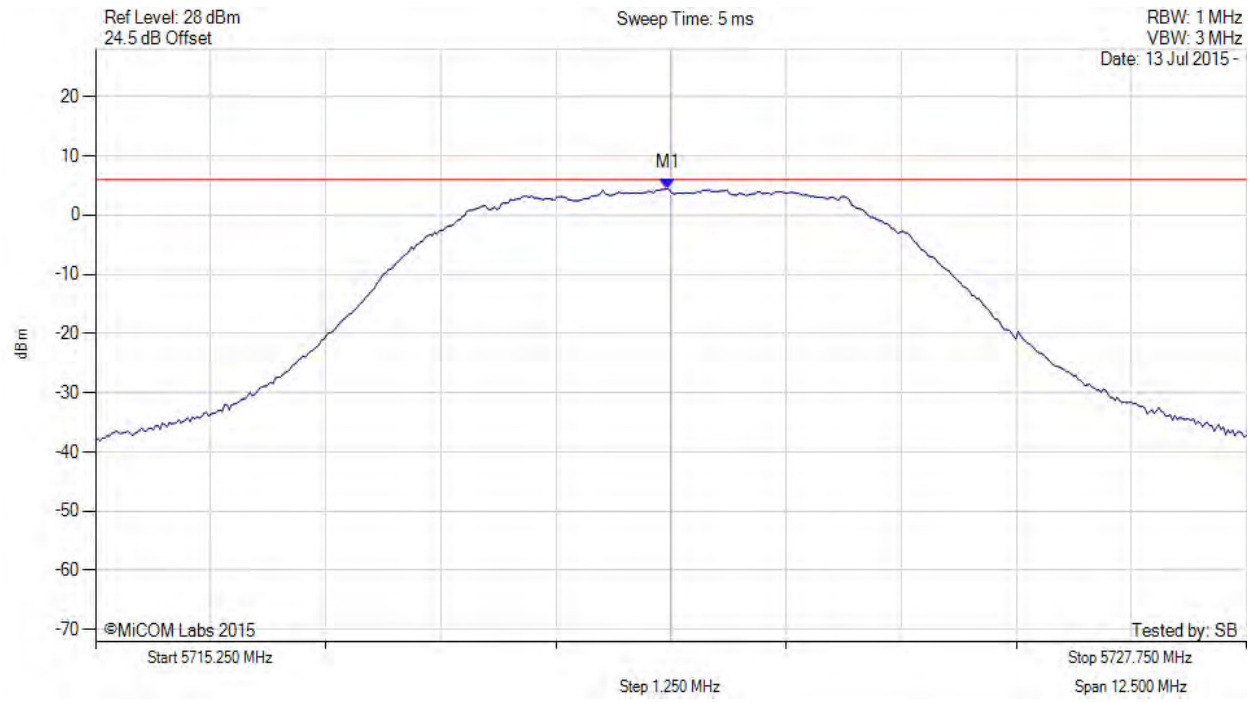
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5722.565 MHz : 0.683 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5721.50 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



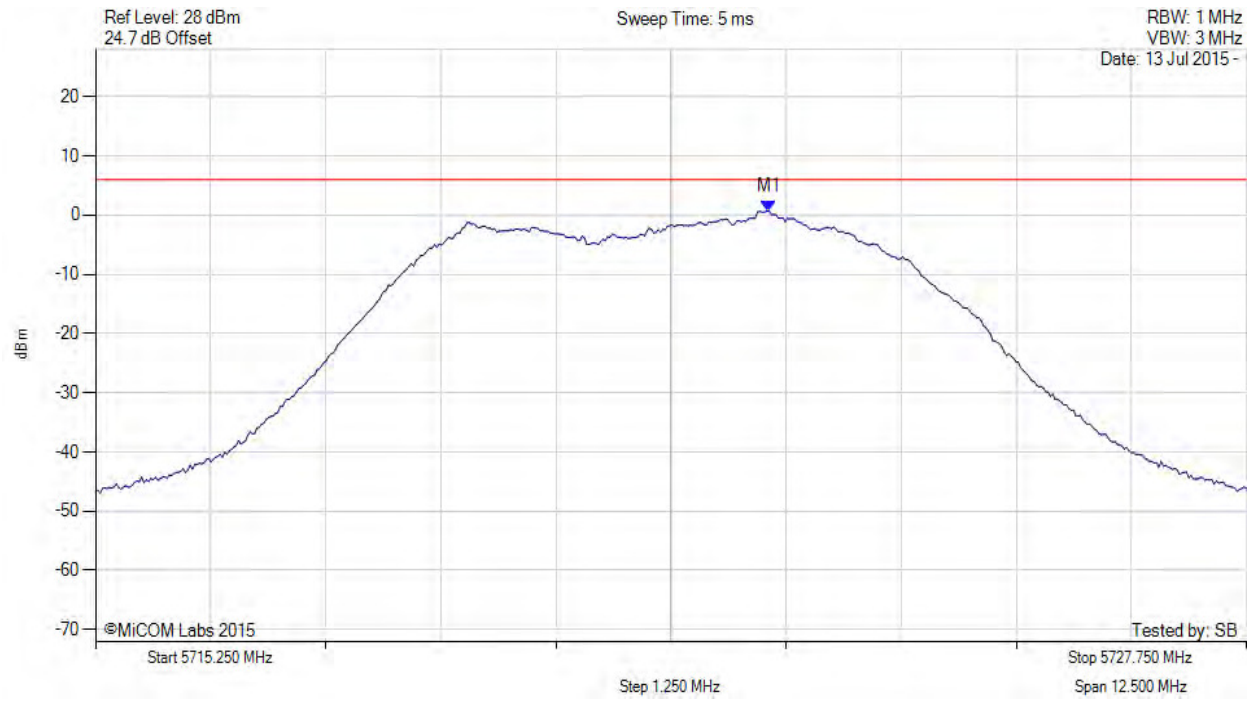
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5721.500 MHz : 4.482 dBm M1 + DCCF : 5721.500 MHz : 4.930 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 6.0 dBm Margin: -1.1 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 5 MHz, Channel: 5721.50 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



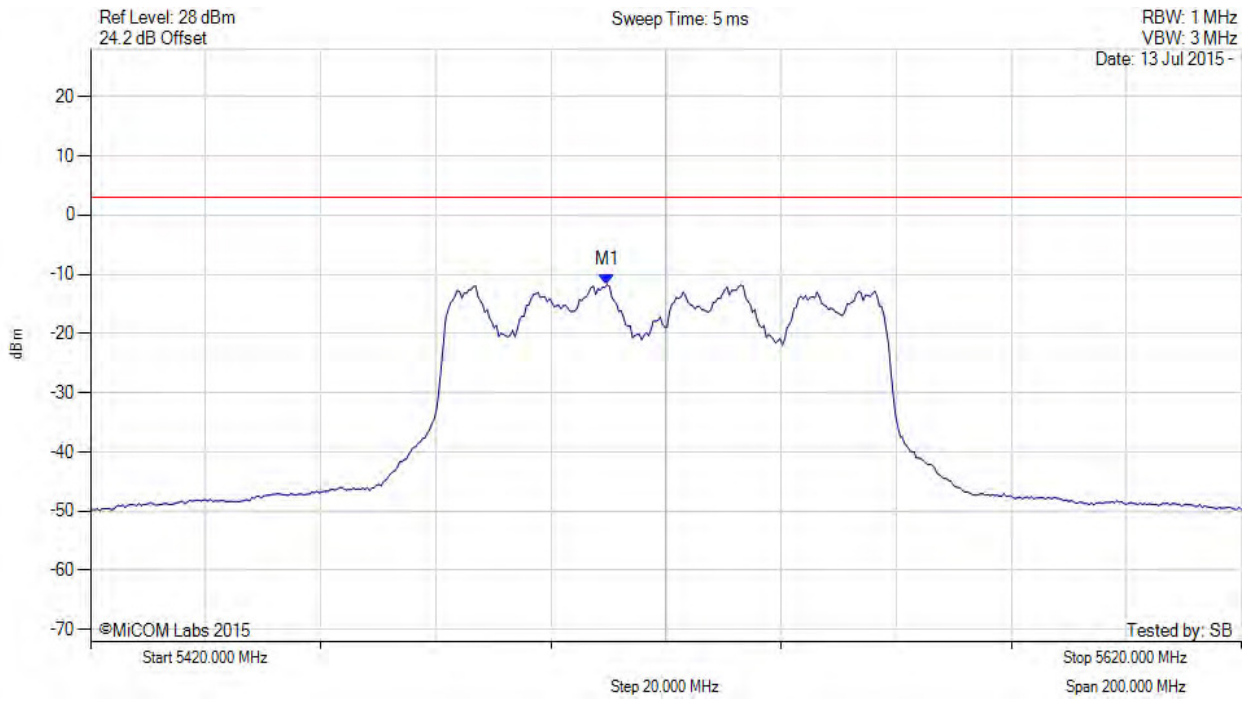
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5722.600 MHz : 0.683 dBm M1 + DCCF : 5722.600 MHz : 1.131 dBm Duty Cycle Correction Factor : +0.46 dB	Limit: ≤ 6.0 dBm Margin: -4.9 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5520.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



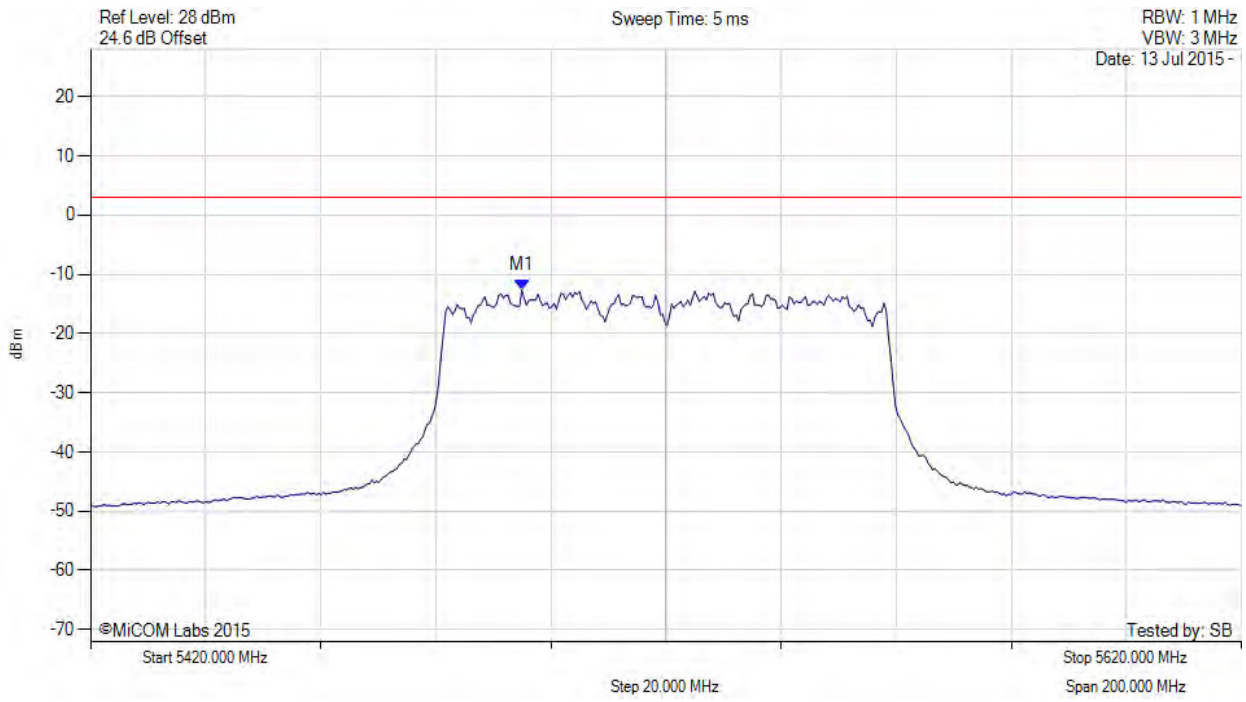
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5509.780 MHz : -11.747 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5520.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



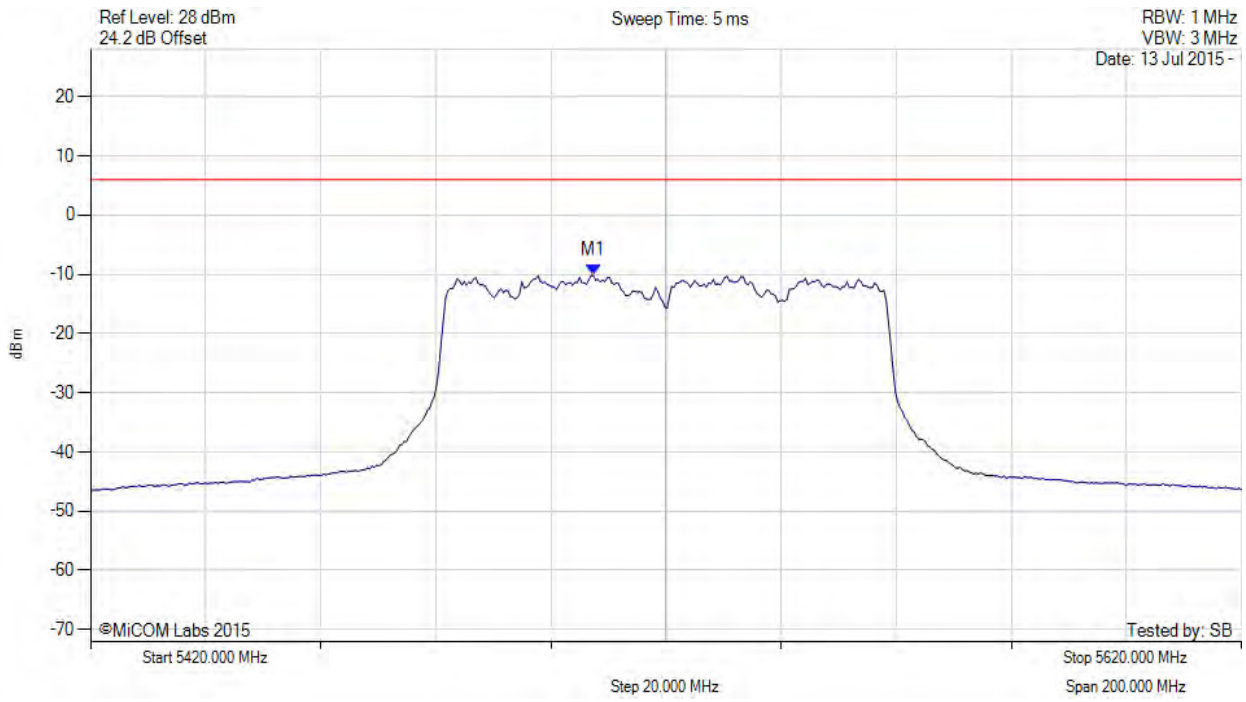
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5494.950 MHz : -12.669 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5520.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



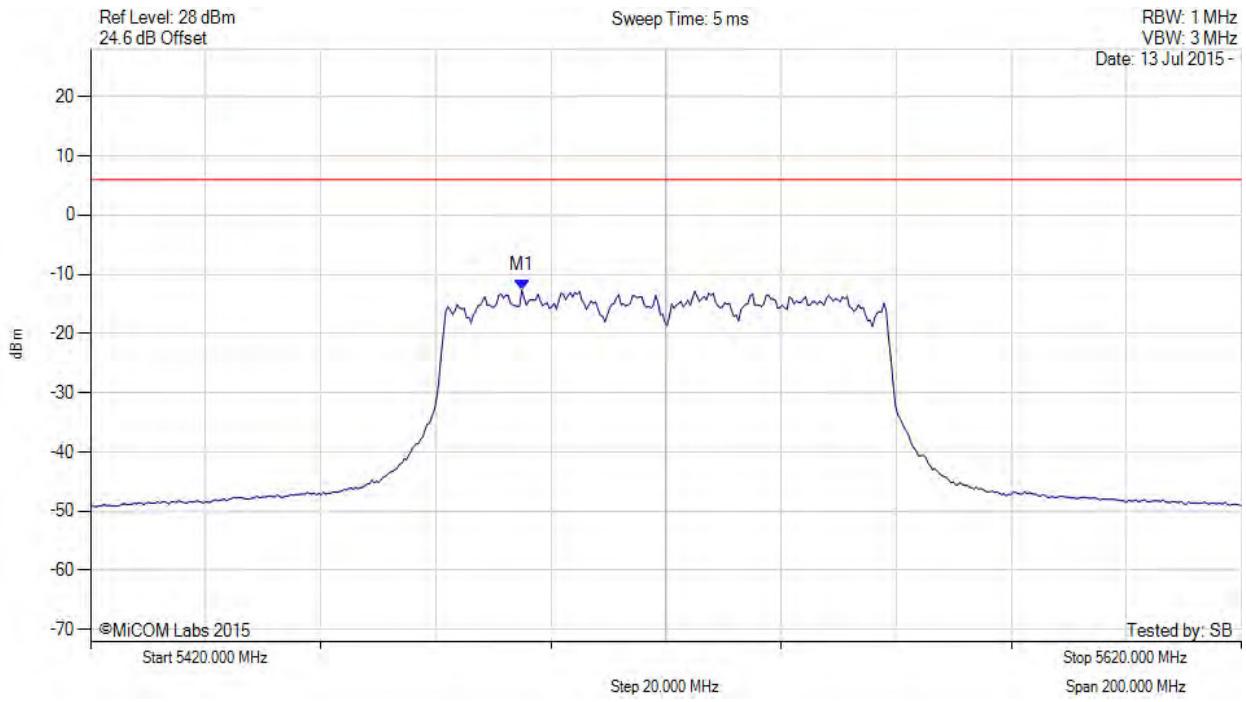
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5507.400 MHz : -10.210 dBm M1 + DCCF : 5507.400 MHz : -8.729 dBm Duty Cycle Correction Factor : +1.49 dB	Limit: ≤ 6.0 dBm Margin: -14.7 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5520.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



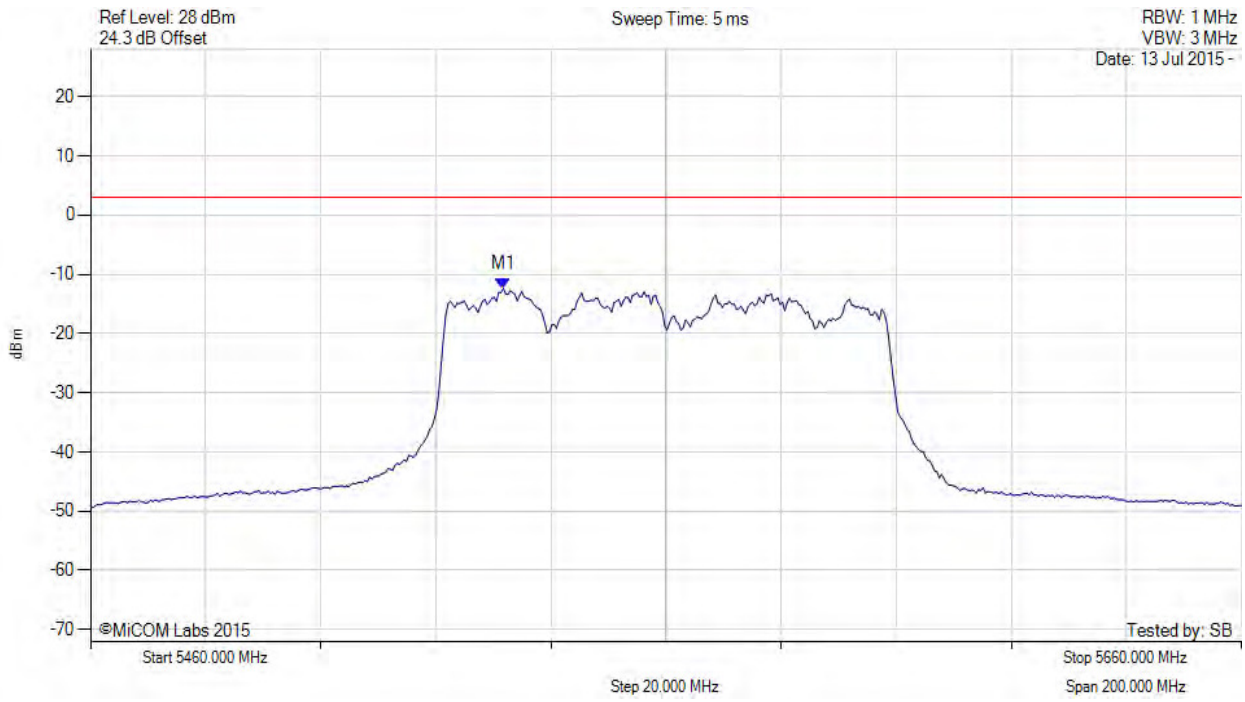
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5494.900 MHz : -12.669 dBm M1 + DCCF : 5494.900 MHz : -11.188 dBm Duty Cycle Correction Factor : +1.49 dB	Limit: ≤ 6.0 dBm Margin: -17.2 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5560.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



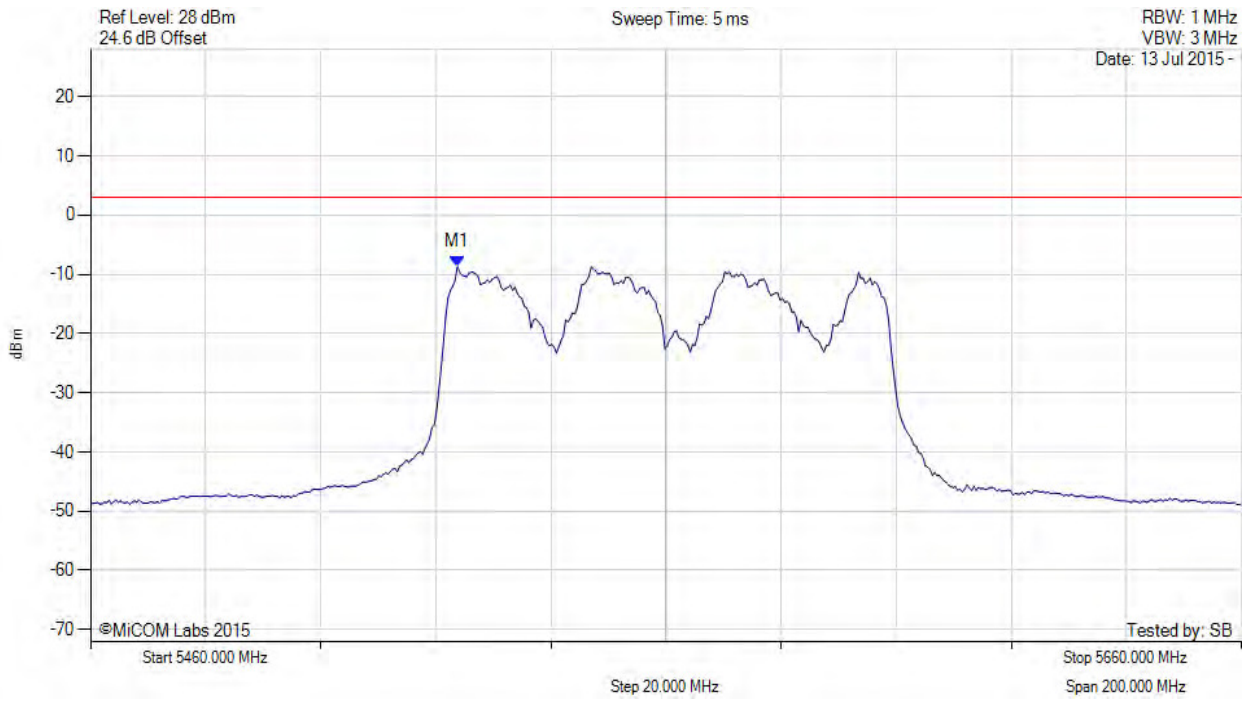
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5531.743 MHz : -12.380 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5560.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



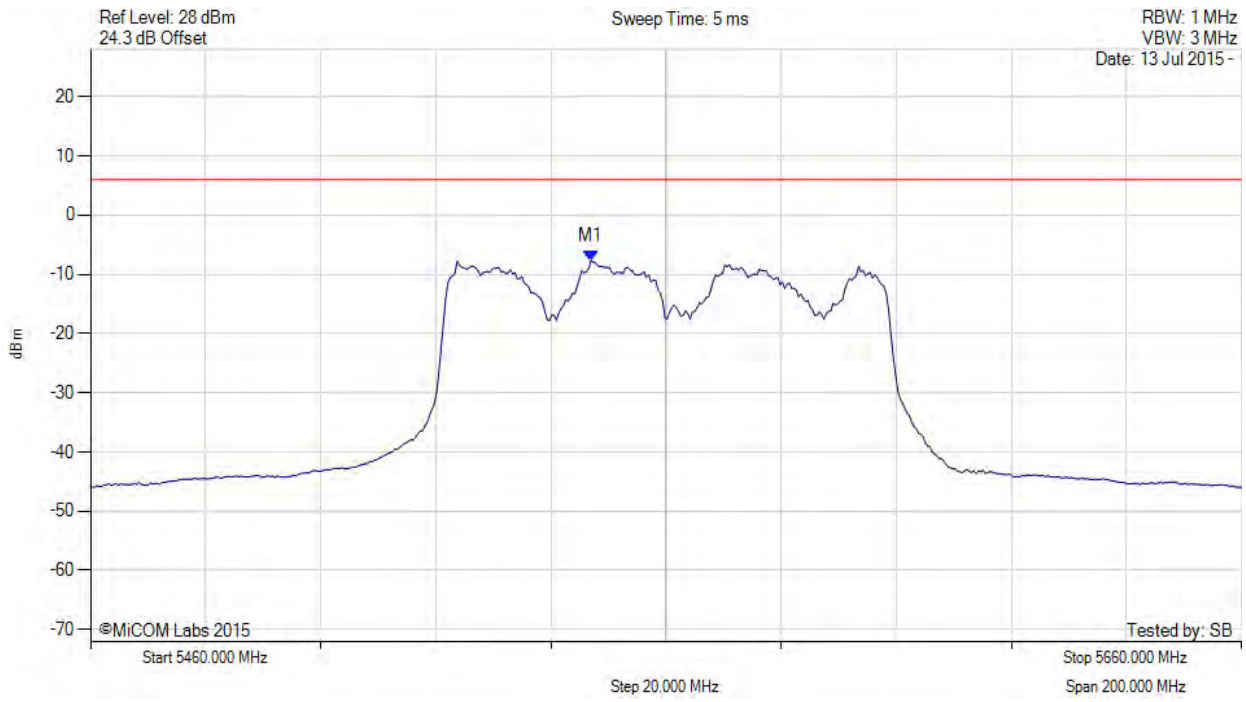
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5523.727 MHz : -8.739 dBm	Channel Frequency: 5560.00 MHz

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5560.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



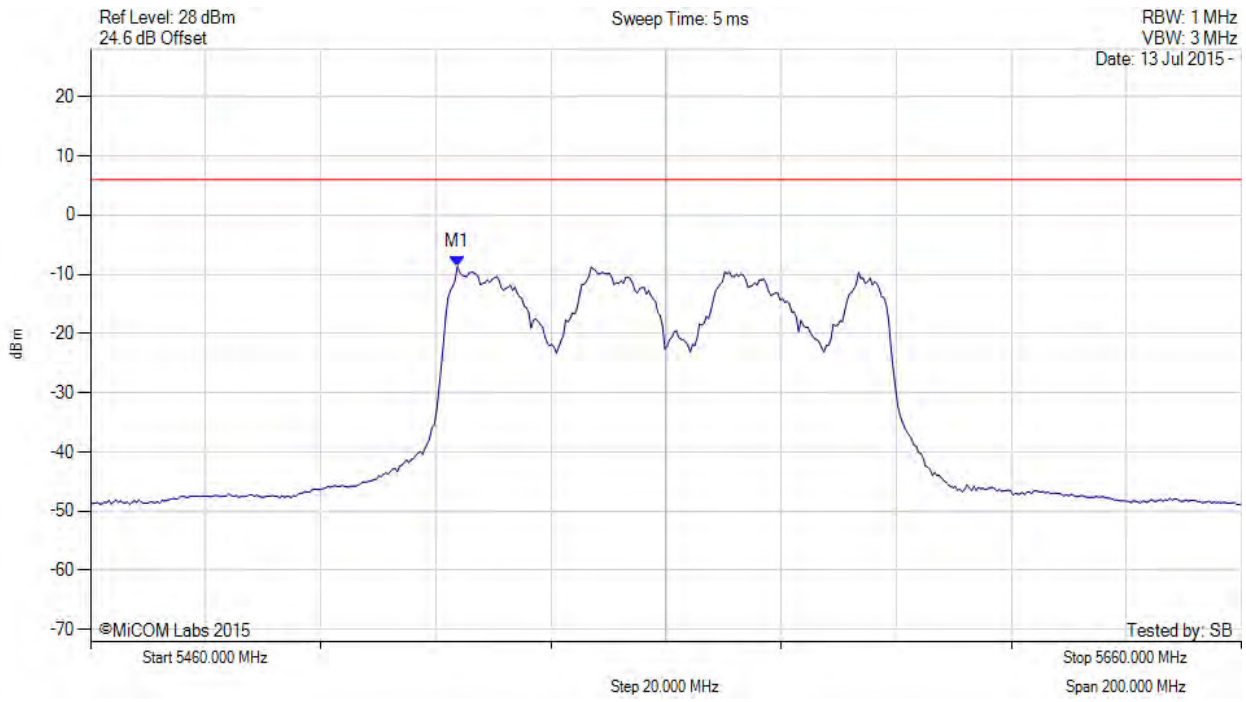
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5547.000 MHz : -7.721 dBm M1 + DCCF : 5547.000 MHz : -6.240 dBm Duty Cycle Correction Factor : +1.49 dB	Limit: ≤ 6.0 dBm Margin: -12.2 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5560.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



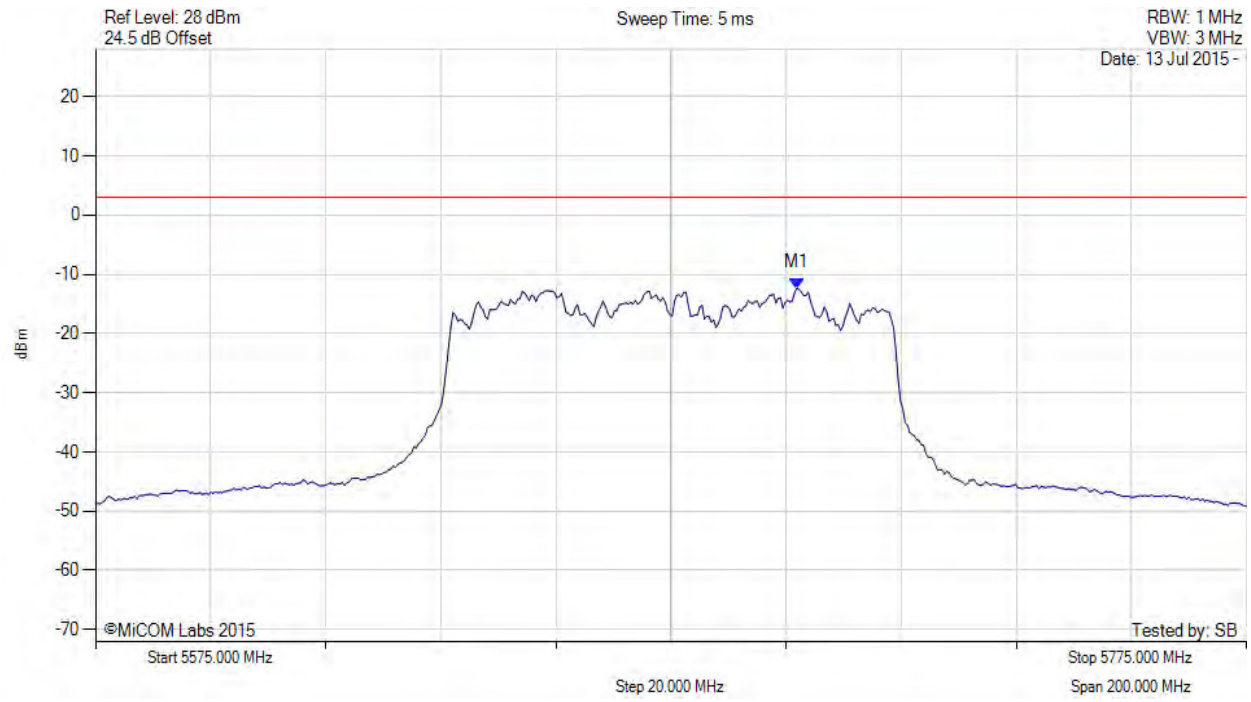
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5523.700 MHz : -8.739 dBm M1 + DCCF : 5523.700 MHz : -7.258 dBm Duty Cycle Correction Factor : +1.49 dB	Limit: ≤ 6.0 dBm Margin: -13.3 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5675.00 MHz, Chain a, Temp: Ambient, Voltage: 55 Vdc



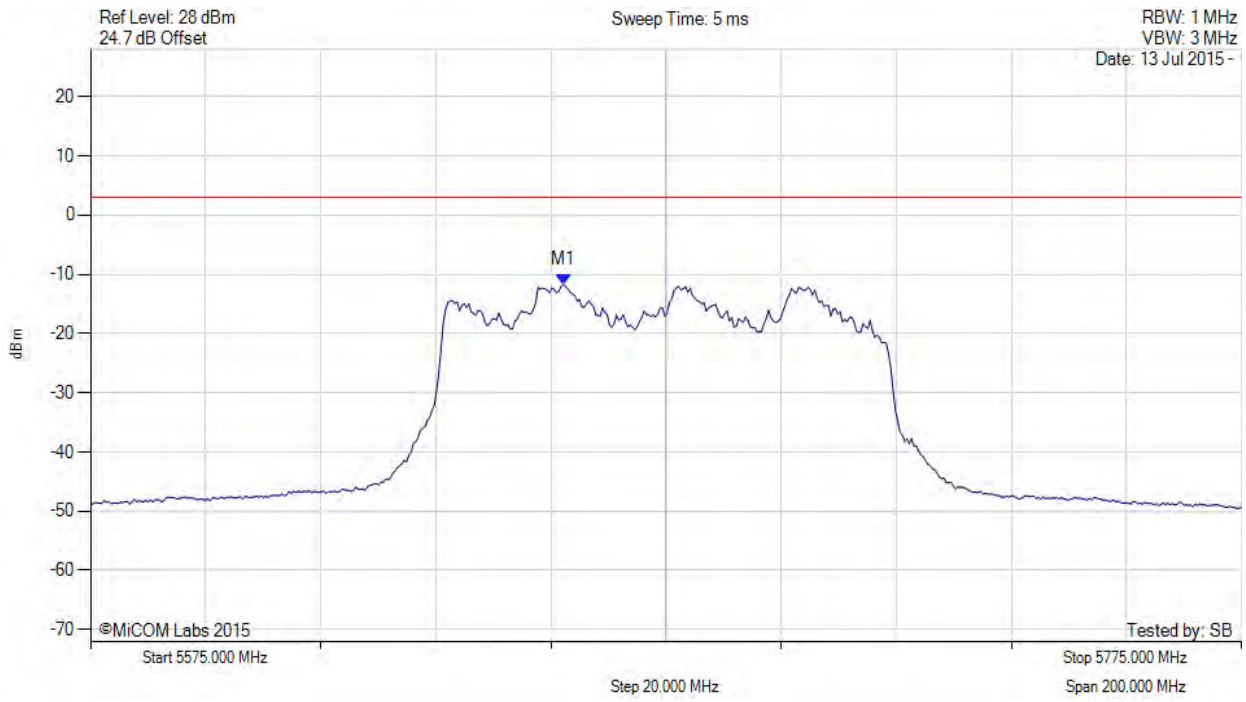
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5696.844 MHz : -12.354 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5675.00 MHz, Chain b, Temp: Ambient, Voltage: 55 Vdc



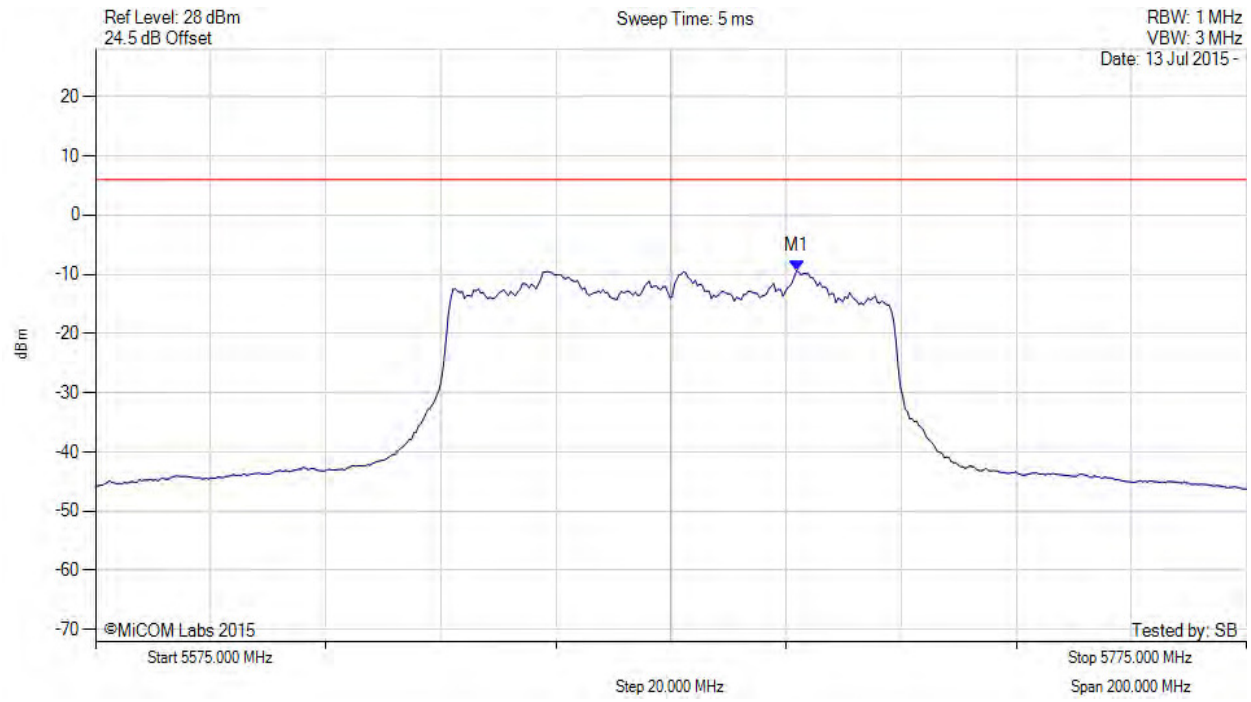
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5657.164 MHz : -11.682 dBm	Limit: ≤ 2.990 dBm

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5675.00 MHz, SUM, Temp: Ambient, Voltage: 55 Vdc



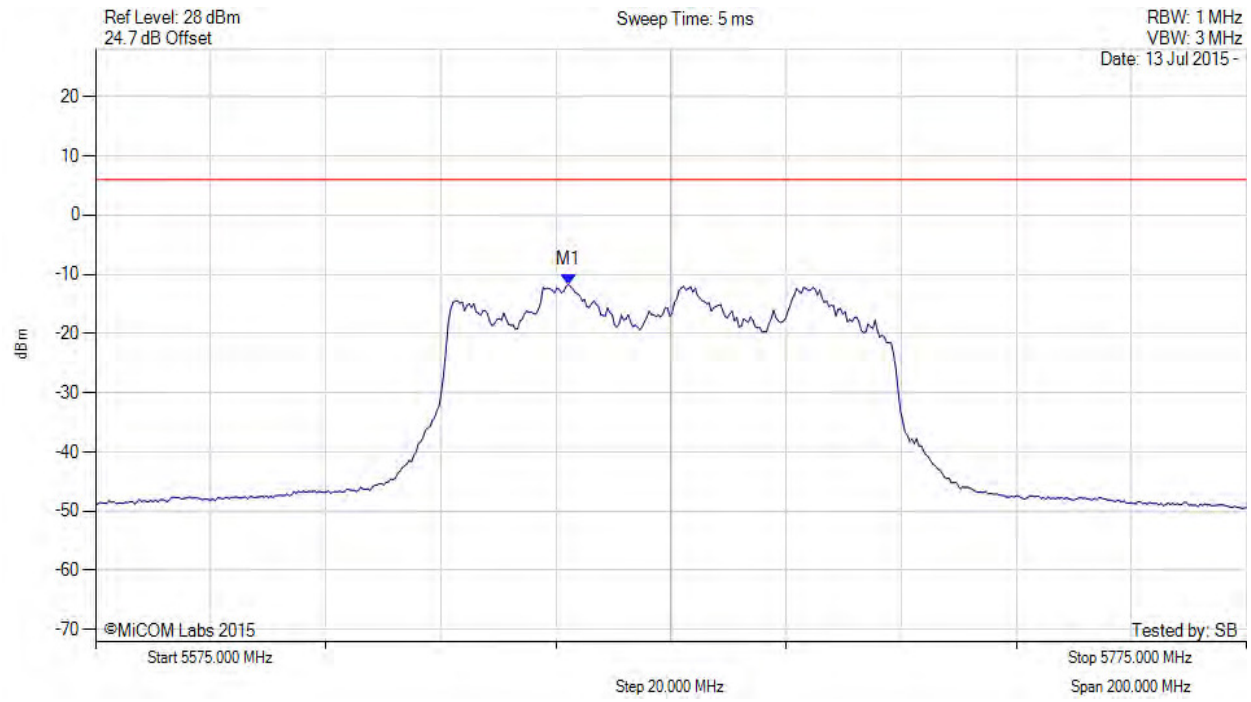
Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = RMS Sweep Count = 100 RF Atten (dB) = 20 Trace Mode = VIEW	M1 : 5696.800 MHz : -9.372 dBm M1 + DCCF : 5696.800 MHz : -7.891 dBm Duty Cycle Correction Factor : +1.49 dB	Limit: ≤ 6.0 dBm Margin: -13.9 dB

back to matrix

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POWER SPECTRAL DENSITY

Variant: 80 MHz, Channel: 5675.00 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 : 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

back to matrix

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