Company: Actiontec Electronics Inc.

Test of: M6240V
To: FCC CFR 47 Part 15 Subpart E 15.407

Report No.: ATEC06-U11a Rev A

CONDUCTED TEST REPORT

MiCOM Labs
opening wireless markets

CONDUCTED TEST REPORT

FROM

MiCOM Labs
opening wireless markets

Test of: Actiontec Electronics Inc. M6240V
to

To: FCC CFR 47 Part 15 Subpart E 15.407

Test Report Serial No.: ATEC06-U11a Rev A

Note: this report is one of a set of three reports that together address the requirements for FCC 15.407

Report Number	Test Report Type
ATEC06-U11a	Conducted Test Report
ATEC06-U11b	Radiated Test Report
ATEC06-U11c	DFS Test Report

This report supersedes: NONE

Applicant: Actiontec Electronics Inc.
760 N Mary Avenue
Sunnyvale, 94085
USA

Product Function: Gigabit Wireless Router

Issue Date: 28th July 2015

This Test Report is Issued Under the Authority of:

MiCOM Labs, Inc.
575 Boulder Court
Pleasanton California 94566
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ACCREDITED
TESTING CERT #2381.01

MiCOM Labs is an ISO 17025 Accredited Testing Laboratory

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1. ACCREDITATION, LISTINGS & RECOGNITION

1.1. TESTING ACCREDITATION

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

American Association for Laboratory Accreditation

Accredited Laboratory

A2LA has accredited

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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 November 30, 2015

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

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

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

American Association for Laboratory Accreditation

Accredited Product Certification Body

A2LA has accredited

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Pleasanton, CA

for technical competence as a

Product Certification Body

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 quality management system.

Presented this 28th day of February 2014.

President & CEO
For the Accreditation Council
Certificate Number 2381.02
Valid to November 30, 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

2. DOCUMENT HISTORY

Document History		
Revision	Date	Comments
Draft		
Rev A	28th July 2015	Initial release.
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In the above table the latest report revision will replace all earlier versions.

3. TEST RESULT CERTIFICATE

Manufacturer:	Actiontec Electronics Inc. 760 N Mary Avenue Sunnyvale 94085 USA	**Tested By:**	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Model:	M6240V	**Telephone:** **Fax:**	+1 925 462 0304 +1 925 462 0306
Type Of Equipment:	Gigabit Wireless Router		
S/N's:	5190700005		
Test Date(s):	16 - 17 June 2015	**Website:**	www.micomlabs.com

STANDARD(S)	TEST RESULTS
FCC CFR 47 Part 15 Subpart E 15.407 Conducted RF Requirements	**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.

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 D01 v01r02	June 3,2014	U-NII Device Transition Plan
IV	KDB 443999 V01r3	17th October 2014	Approval of DFS UNII The current interim procedures to approve UNII devices operating in the 5470 - 5725 MHz band with radar detection and DFS capabilities
V	KDB 789033 D02 v01	6th June 2014	General UNII Test Procedures New Rules V01
VI	A2LA	June 2015	R105 - Requirement's When Making Reference to A2LA Accreditation Status
VII	ANSI C63.10	2013	American National Standard for Testing Unlicensed Wireless Devices
VIII	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
IX	CISPR 22	2008	Information technology equipment - Radio disturbance characteristics - Limits and methods of measurement
X	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
XI	FCC 06-96	Jun 3 2006	Memorandum Opinion and Order
XII	FCC 47 CFR Part 15.407	2014	Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
XIII	ICES-003	Issue 5 2012	Spectrum Management and Telecommunications; Interference-Causing Equipment Standard. Information Technology Equipment (ITE) – Limits and methods of measurement.
XIV	M 3003	Edition 3 Nov. 2012	Expression of Uncertainty and Confidence in Measurements
XV	RSS-Gen Issue 4	November 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 v01
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 Actiontec Electronics Inc. M6240V to FCC CFR 47 Part 15 Subpart E 15.407. Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices
Applicant:	Actiontec Electronics Inc. 760 N Mary Avenue Sunnyvale 94085 USA
Manufacturer:	As Applicant
Laboratory performing the tests:	MiCOM Labs, Inc. 575 Boulder Court Pleasanton California 94566 USA
Test report reference number:	ATEC06-U11a Rev A
Date EUT received:	15th June 2015
Standard(s) applied:	FCC CFR 47 Part 15 Subpart E 15.407
Dates of test (from - to):	16th – 17th June 2015
No of Units Tested:	2
Type of Equipment:	Gigabit Wireless Router
Product Family Name:	GbE 11ac Fiber Gateway
Model(s):	M6240V (Device tested) M6240 M6240L
Location for use:	Indoor
Declared Frequency Range(s):	5150 - 5250 MHz; 5250 - 5350 MHz; 5470 - 5725 MHz; 5725 - 5850 MHz;
Primary function of equipment:	Gigabit Wireless Router
Secondary function of equipment:	Residential Gateway
Type of Modulation:	OFDM
EUT Modes of Operation:	802.11a; 802.11ac-80; 802.11n HT-20; 802.11n HT-40;
Declared Nominal Output Power (Ave):	5150 - 5250 MHz: + 22dBm 5250 - 5350 MHz: +17dBm 5470 - 5725 MHz: +17dBm 5725 - 5850 MHz: +22dBm
Transmit/Receive Operation:	Transceiver - Half Duplex
Rated Input Voltage and Current:	AC/ DC adaptor (adaptor sold with unit) 12 V DC/3.5A
Operating Temperature Range:	Declared Range 0°C to 40°C
ITU Emission Designator:	802.11a: 16M4D1D 802.11ac-80: 75M9D1D 802.11n HT-20: 17M7D1D 802.11n HT-40: 36M2D1D
Equipment Dimensions:	11.0 x 1.5 x 7 inches
Weight:	1.6 lbs

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Hardware Rev:	AM3
Software Rev:	62.0.10

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5.2. Scope Of Test Program

Actiontec Electronics Inc. M6240V

The scope of the test program was to test the Actiontec Electronics Inc. M6240V configurations in the frequency ranges 5150 - 5250 MHz; 5250 - 5350 MHz; 5470 - 5725 MHz; 5725 - 5850 MHz; for compliance against the following specification:

FCC CFR 47 Part 15 Subpart E 15.407
Radio Frequency Devices; Subpart E –Unlicensed National Information Infrastructure Devices

Manufacturers Declaration of Similarity

Re: FCC ID: LNQM6240V
Actiontec Models: M6240V, M6240, M6240L

To whom it may concern:
We, Actiontec Electronics, Inc., hereby declare the above mentioned 3 models have electrically identical Wireless circuitry with the same electromagnetic emissions and electromagnetic compatibility characteristics.

The differences among these 3 models are as follows –

M6240V – GbE 11ac Fiber Gateway with MoCA LAN/WAN and VoIP
M6240 – GbE 11ac Fiber Gateway with MoCA LAN, without MoCA WAN/VoIP
M6240L – GbE 11ac Fiber Gateway with MoCA LAN/VoIP, without MoCA WAN

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Actiontec Electronics Inc. M6240V

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

Type (EUT/ Support)	Equipment Description (Including Brand Name)	Mfr	Model No.	Serial No.
EUT	Wireless Router	Actiontec	M6240V	5190700005
EUT	Power Adapter 100 - 240Vac 50/60Hz 1.0A 12 Vdc 3.5 A	Actiontec	NBS40C120350VU	1512
Support	Laptop PC	IBM	Thinkpad	None

5.4. Antenna Details

Type	Manufacturer	Model	Family	Gain (dBi)	BF Gain	Dir BW	X-Pol	Frequency Band (MHz)
integral	Galtronics	Custom PCB	Dipole	3.0	2.9	360	-	5150 - 5250
integral	Galtronics	Custom PCB	Dipole	3.0	2.8	360	-	5250 - 5350
integral	Galtronics	Custom PCB	Dipole	3.0	2.6	360	-	5470 - 5725
integral	Galtronics	Custom PCB	Dipole	3.0	2.0	360	-	5725 - 5850

BF Gain - Beamforming Gain
Dir BW - Directional BeamWidth
X-Pol - Cross Polarization

5.5. Cabling and I/O Ports

Port Type	Max Cable Length	# Of Ports	Screened	Conn Type	Data Type
Ethernet	100m	4	N	RJ45	Packet Data
Ethernet	100m	1	N	RJ45	Packet Data
USB	15m	2	N	USB 3.0	Digital
Optical	SFP	1	N		Digital

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5.6. Test Configurations

Results for the following configurations are provided in this report:

Operational Mode(s) (802.11a/b/g/n/ac)	Data Rate with Highest Power MBit/s	Channel Frequency (MHz)		
		Low	Mid	High
5150 - 5250 MHz				
802.11a	6	5,180.00	5,200.00	5,240.00
802.11ac-80	29.3	--	--	5,210.00
802.11n HT-20	6.5	5,180.00	5,200.00	5,240.00
802.11n HT-40	13.5	5,190.00	--	5,230.00
5250 - 5350 MHz				
802.11a	6	5,260.00	5,300.00	5,320.00
802.11ac-80	29.3	--	--	5,290.00
802.11n HT-20	6.5	5,260.00	5,300.00	5,320.00
802.11n HT-40	13.5	5,270.00	--	5,310.00
5470 - 5725 MHz				
802.11a	6	5,500.00	5,580.00	5,720.00
802.11ac-80	29.3	5,530.00	5,610.00	5,690.00
802.11n HT-20	6.5	5,500.00	5,580.00	5,720.00
802.11n HT-40	13.5	5,510.00	5,550.00	5,710.00
5725 - 5850 MHz				
802.11a	6	5,745.00	5,785.00	5,825.00
802.11ac-80	29.3	5,775.00	--	5,775.00
802.11n HT-20	6.5	5,745.00	5,785.00	5,825.00
802.11n HT-40	13.5	5,755.00	--	5,795.00

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	-
(a) 26 dB & 99% Bandwidth	Complies	View Data
(a)(5) Power Spectral Density	Complies	View Data
(h)(1) Transmit Power Control (TPC)	Complies	-

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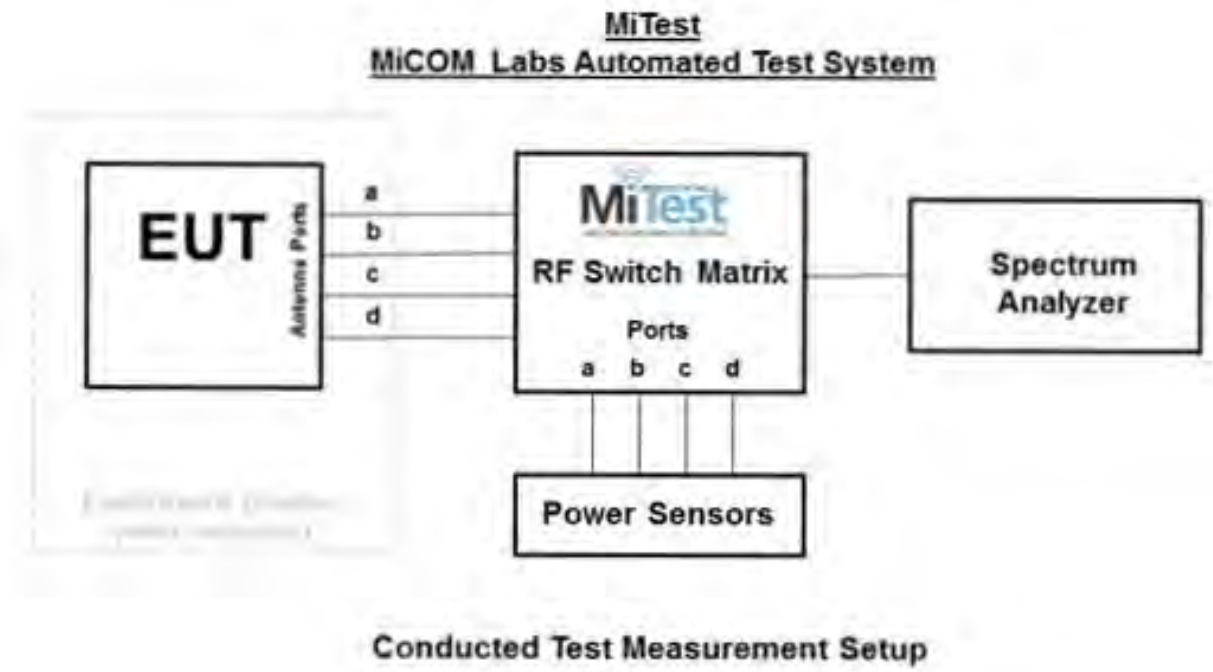
7. TEST EQUIPMENT CONFIGURATION(S)

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. Peak Transmit Power, report section 9.1
2. 26 dB & 99% Bandwidth, report section 9.2
3. Power Spectral Density, report section 9.3
4. Transmit Power Control, report section 9.4



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.

Asset#	Description	Manufacturer	Model#	Serial#	Calibration Due Date
158	Barometer/Thermometer	Control Company	4196	E2846	04 Dec 2015
193	Receiver 20 Hz to 7 GHz	Rhode & Schwarz	ESI 7	838496/007	14 Jan 2016
249	Resistance Thermometer	Thermotronics	GR2105-02	9340 #2	30 Oct 2015
287	Rohde & Schwarz 40 GHz Receiver	Rhode & Schwarz	ESIB40	100201	31 Jul 2015
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	17 Jul 2015
380	4x4 RF Switch Box	MiCOM Labs	MiTest RF Switch Box	MIC001	30 Jun 2015
390	USB Power Head 50MHz - 24GHz -60 to +20dBm	Agilent	U2002A	MY50000103	17 Oct 2015
398	Test Software	MiCOM	MiTest ATS	Version 1.9	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 2015
437	USB Wideband Power Sensor	Boonton	55006	8759	31 Jul 2015
445	PoE Injector	D-Link	DPE-101GL	QTAH1E2000625	Not Required
75	Environmental Chamber	Thermatron	SE-300-2-2	27946	28 Nov 2015
RF#1 GPIB#1	GPIB cable to Power Supply	HP	GPIB	None	Not Required
RF#1 SMA#1	EUT to Mitest box port 1	Flexco	SMA Cable port1	None	30 Jun 2015
RF#1 SMA#2	EUT to Mitest box port 2	Flexco	SMA Cable port2	None	30 Jun 2015
RF#1 SMA#3	EUT to Mitest box port 3	Flexco	SMA Cable port3	None	30 Jun 2015
RF#1 SMA#4	EUT to Mitest box port 4	Flexco	SMA Cable port4	None	30 Jun 2015
RF#1 SMA#SA	Mitest box to SA	Flexco	SMA Cable SA	None	30 Jun 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)

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 [$10*\text{Log}10\ (10^{a/10} + 10^{b/10} + 10^{c/10} + 10^{d/10})$]
G = Antenna Gain
Y = Beamforming Gain
x = Duty Cycle (average power measurements only)

Limits Maximum Conducted Output Power

Operating Frequency Band 5150-5250 MHz

15. 407 (a)(1)
(i) For an outdoor access point operating in the band 5.15-5.25 GHz, the maximum conducted output power over the frequency band of operation shall not exceed 1 W provided the maximum antenna gain does not exceed 6 dBi. In addition, the maximum power spectral density shall not exceed 17 dBm in any 1 megahertz band. If transmitting antennas of directional gain greater than 6 dBi are used, both the maximum conducted output power and the maximum power spectral density shall be reduced by the amount in dB that the directional gain of the antenna exceeds 6 dBi. The maximum e.i.r.p. at any elevation angle above 30 degrees as measured from the horizon must not exceed 125 mW (21 dBm).

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

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

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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	
5180.0	21.44	21.96	22.98	21.63	28.11	--	30.00	-1.89	23.00
5200.0	21.38	21.99	22.89	21.26	27.99	--	30.00	-2.01	23.00
5240.0	21.34	21.57	22.71	20.92	27.75	--	30.00	-2.25	23.00

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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Variant:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5210.0	14.34	14.57	15.71	13.92	20.85	-	30.00	-9.15	16.00

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power			
Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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	
5180.0	21.14	21.28	22.77	20.88	27.65	--	30.00	-2.35	23.00
5200.0	20.96	21.34	22.82	20.86	27.63	--	30.00	-2.37	23.00
5240.0	21.16	21.53	22.75	20.67	27.66	--	30.00	-2.34	23.00

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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	
5190.0	21.78	22.10	23.45	21.48	28.35	--	30.00	-1.65	23.00
5230.0	21.65	22.01	23.33	21.46	28.25	--	30.00	-1.75	23.00

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
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	
5260.0	16.59	16.94	17.85	16.94	23.17	21.944	24.00	-0.83	18.00
5300.0	16.68	17.05	18.25	16.85	23.32	22.144	24.00	-0.68	18.00
5320.0	17.03	17.08	18.23	16.48	23.32	22.144	24.00	-0.68	18.00

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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Variant:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5290.0	14.9	15.01	16.11	14.52	21.33	83.768	24.00	-2.67	16.00

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	

DCCF - Duty Cycle Correction Factor

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Equipment Configuration for Peak Transmit Power			
Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5260.0	16.57	17.20	18.19	16.23	23.18	23.547	24.00	-0.82	18.00
5300.0	17.05	17.02	18.17	16.20	23.23	23.447	24.00	-0.77	18.00
5320.0	16.62	17.16	17.83	16.36	23.09	23.547	24.00	-0.91	18.00

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5270.0	17.12	17.43	18.55	17.10	23.67	42.685	24.00	-0.33	18.00
5310.0	17.48	17.50	18.66	16.96	23.77	42.685	24.00	-0.23	18.00

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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	
5500.0	16.59	16.59	18.01	17.11	23.18	21.844	24.00	-0.82	18.00
5580.0	16.40	17.27	18.22	17.23	23.39	21.944	24.00	-0.61	18.00
5720.0	16.81	16.90	17.12	17.32	23.11	22.144	24.00	-0.89	18.00

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:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5530.0	15.77	15.84	17.25	15.86	22.35	82.966	24.00	-1.65	17.00
5610.0	16.33	17.11	17.87	16.70	23.16	83.367	24.00	-0.84	18.00
5690.0	16.30	17.03	17.89	16.83	23.17	83.367	24.00	-0.83	18.00

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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5500.0	16.45	16.54	18.28	16.55	23.09	23.747	24.00	-0.91	18.00
5580.0	16.26	17.28	17.96	16.98	23.23	23.547	24.00	-0.77	18.00
5720.0	16.89	16.68	16.84	17.24	22.98	23.647	24.00	-1.02	18.00

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5510.0	17.08	17.23	18.56	17.51	23.71	42.685	24.00	-0.29	18.00
5550.0	16.49	17.07	18.43	16.88	23.36	42.685	24.00	-0.64	18.00
5710.0	17.55	17.35	17.40	17.75	23.59	42.685	24.00	-0.41	18.00

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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	
5745.0	21.69	21.04	20.96	21.72	27.43	--	30.00	-2.57	23.00
5785.0	21.35	20.99	20.80	21.09	27.13	--	30.00	-2.87	23.00
5825.0	21.18	20.69	20.45	20.77	26.84	--	30.00	-3.16	23.00

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:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5775.0	21.60	21.00	21.09	21.55	27.44	--	30.00	-2.56	23.00

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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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	
5745.0	21.81	21.34	21.35	21.44	27.55	--	30.00	-2.45	23.00
5785.0	21.50	21.11	20.69	21.34	27.23	--	30.00	-2.77	23.00
5825.0	21.19	20.66	20.37	20.80	26.83	--	30.00	-3.17	23.00

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured Conducted Output Power (dBm)				Calculated Total Power	Minimum 26 dB Bandwidth	Limit	Margin	EUT Power Setting
	Port(s)								
MHz	a	b	c	d	Σ Port(s) dBm	MHz	dBm	dBm	
5755.0	22.41	21.94	21.61	22.02	28.08	--	30.00	-1.92	23.00
5795.0	21.69	21.25	21.28	21.65	27.55	--	30.00	-2.45	23.00

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5180.0	22.044	23.347	23.347	23.347	23.347	22.044		
5200.0	22.044	23.447	23.347	23.447	23.447	22.044		
5240.0	22.445	23.347	23.347	23.347	23.347	22.445		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5180.0	16.834	16.834	16.934	16.834	16.934	16.834		
5200.0	16.834	16.834	16.934	16.834	16.934	16.834		
5240.0	16.834	16.834	16.934	16.834	16.934	16.834		

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:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5210.0	102.605	103.006	112.625	103.006	112.625	102.605		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5210.0	76.152	76.152	76.553	76.152	76.553	76.152		

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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5180.0	23.848	23.747	23.747	23.747	23.848	23.747		
5200.0	23.747	23.547	23.747	23.547	23.747	23.547		
5240.0	23.647	23.747	24.349	23.747	24.349	23.647		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5180.0	18.136	18.136	18.036	18.136	18.136	18.036		
5200.0	18.136	18.036	18.136	18.036	18.136	18.036		
5240.0	18.136	18.036	18.036	18.036	18.136	18.036		

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5190.0	52.505	42.685	44.689	42.685	52.505	42.685		
5230.0	46.894	42.886	47.094	42.886	47.094	42.886		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5190.0	36.874	36.673	36.874	36.673	36.874	36.673		
5230.0	36.874	36.673	36.874	36.673	36.874	36.673		

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	21.944	22.946	22.946	22.946	22.946	21.944		
5300.0	22.144	22.745	22.846	22.745	22.846	22.144		
5320.0	22.144	23.046	22.946	23.046	23.046	22.144		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	16.733	16.834	16.733	16.834	16.834	16.733		
5300.0	16.733	16.834	16.733	16.834	16.834	16.733		
5320.0	16.733	16.834	16.834	16.834	16.834	16.733		

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:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5290.0	83.768	83.768	85.772	83.768	85.772	83.768		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5290.0	75.752	75.752	75.752	75.752	75.752	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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	23.547	23.647	23.848	23.647	23.848	23.547		
5300.0	23.447	23.747	23.747	23.747	23.747	23.447		
5320.0	23.848	23.747	23.547	23.747	23.848	23.547		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5260.0	18.136	18.036	18.036	18.036	18.136	18.036		
5300.0	18.036	18.036	18.036	18.036	18.036	18.036		
5320.0	18.036	18.036	18.036	18.036	18.036	18.036		

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5270.0	42.685	42.886	42.685	42.886	42.886	42.685		
5310.0	42.685	42.685	42.685	42.685	42.685	42.685		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5270.0	36.673	36.673	36.673	36.673	36.673	36.673		
5310.0	36.673	36.673	36.673	36.673	36.673	36.673		

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	21.844	22.745	22.745	22.745	22.745	21.844		
5580.0	21.944	22.846	22.745	22.846	22.846	21.944		
5720.0	22.144	22.846	23.046	22.846	23.046	22.144		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	16.733	16.834	16.834	16.834	16.834	16.733		
5580.0	16.733	16.834	16.834	16.834	16.834	16.733		
5720.0	16.733	16.834	16.834	16.834	16.834	16.733		

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:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5530.0	82.966	83.768	83.367	83.768	83.768	82.966		
5610.0	83.367	83.768	83.367	83.768	83.768	83.367		
5690.0	83.367	84.168	83.768	84.168	84.168	83.367		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5530.0	75.752	75.752	75.752	75.752	75.752	75.752		
5610.0	75.752	75.752	75.752	75.752	75.752	75.752		
5690.0	75.752	75.752	75.752	75.752	75.752	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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	24.048	23.747	24.048	23.747	24.048	23.747		
5580.0	23.647	23.848	23.547	23.848	23.848	23.547		
5720.0	23.948	23.647	23.647	23.647	23.948	23.647		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5500.0	18.036	18.036	18.036	18.036	18.036	18.036		
5580.0	18.036	18.036	18.036	18.036	18.036	18.036		
5720.0	18.136	18.036	18.036	18.036	18.136	18.036		

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5510.0	42.685	42.886	42.685	42.886	42.886	42.685		
5550.0	42.685	42.886	42.886	42.886	42.886	42.685		
5710.0	42.685	42.685	42.886	42.685	42.886	42.685		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5510.0	36.673	36.673	36.673	36.673	36.673	36.673		
5550.0	36.673	36.673	36.673	36.673	36.673	36.673		
5710.0	36.673	36.673	36.673	36.673	36.673	36.673		

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6.00 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	22.244	22.846	22.445	22.846	22.846	22.244		
5785.0	22.044	22.846	23.146	22.846	23.146	22.044		
5825.0	22.244	22.946	23.447	22.946	23.447	22.244		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	16.834	16.834	16.834	16.834	16.834	16.834		
5785.0	16.733	16.834	16.834	16.834	16.834	16.733		
5825.0	16.733	16.834	16.834	16.834	16.834	16.733		

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:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.30 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5775.0	101.403	98.196	96.994	98.196	101.403	96.994		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5775.0	76.152	76.152	76.152	76.152	76.152	76.152		

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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.50 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	23.848	23.547	23.547	23.547	23.848	23.547		
5785.0	23.848	23.447	23.747	23.447	23.848	23.447		
5825.0	24.048	23.747	23.547	23.747	24.048	23.547		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5745.0	18.136	18.036	18.036	18.036	18.136	18.036		
5785.0	18.136	18.036	18.036	18.036	18.136	18.036		
5825.0	18.136	18.136	18.136	18.136	18.136	18.136		

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.50 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
TPC:	Not Applicable	**Tested By:**	SB
Engineering Test Notes:			

Test Measurement Results

Test Frequency	Measured 26 dB Bandwidth (MHz)				26 dB Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5755.0	42.685	42.886	42.886	42.886	42.886	42.685		
5795.0	42.886	42.886	43.086	42.886	43.086	42.886		

Test Frequency	Measured 99% Bandwidth (MHz)				99% Bandwidth (MHz)			
	Port(s)							
MHz	**a**	**b**	**c**	**d**	**Highest**	**Lowest**		
5755.0	36.673	36.673	36.673	36.673	36.673	36.673		
5795.0	36.673	36.673	36.673	36.673	36.673	36.673		

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.

Equipment Configuration for Power Spectral Density			
Variant:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5180.0	10.038	10.033	11.400		15.117	17.0	-1.9
5200.0	10.289	10.539	11.409		15.488	17.0	-1.5
5240.0	10.225	10.330	11.378		15.399	17.0	-1.6

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5180.0				11.400	11.400	17.0	-5.6
5200.0				11.409	11.409	17.0	-5.6
5240.0				11.378	11.378	17.0	-5.6

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:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.3 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	
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 (+0.09 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5210.0	3.932	5.171	5.386		9.239	17.0	-7.7

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.3 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	
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 (+0.09 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5210.0				5.386	5.386	17.0	-11.6

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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.5 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5180.0	9.926	10.404	11.389		15.341	17.0	-1.6
5200.0	10.101	10.671	11.858		15.704	17.0	-1.3
5240.0	10.000	10.213	11.594		15.375	17.0	-1.6

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.5 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5180.0				11.389	11.389	17.0	-5.6
5200.0				11.858	11.858	17.0	-5.1
5240.0				11.594	11.594	17.0	-5.4

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.5 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5190.0	7.363	7.718	8.719		12.563	17.0	-4.4
5230.0	7.138	7.530	8.769		12.498	17.0	-4.5

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.5 MBit/s	**Antenna Gain (dBi):**	5.90
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.90
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5190.0				8.719	8.719	17.0	-8.3
5230.0				8.769	8.769	17.0	-8.2

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5260.0	5.444	5.711	6.792		10.616	11.0	-0.4
5300.0	5.560	5.639	6.826		10.670	11.0	-0.3
5320.0	5.547	5.637	7.061		10.787	11.0	-0.2

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5260.0				6.792	6.792	11.0	-4.2
5300.0				6.826	6.826	11.0	-4.2
5320.0				7.061	7.061	11.0	-3.9

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

DCCF - Duty Cycle Correction Factor
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Equipment Configuration for Power Spectral Density			
Variant:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.3 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	
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 (+0.09 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5290.0	-0.107	0.672	1.613		5.158	11.0	-5.8

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.3 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	
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 (+0.09 dB)	Limit	Margin
MHz	a	b	c	d	dBm/MHz	dBm/MHz	dB
5290.0				1.613	1.613	11.0	-9.4

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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.5 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5260.0	5.063	5.950	6.974		10.840	11.0	-0.1
5300.0	5.712	5.591	7.002		10.834	11.0	-0.1
5320.0	5.681	4.726	5.988		10.248	11.0	-0.7

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.5 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5260.0				6.974	6.974	11.0	-4.0
5300.0				7.002	7.002	11.0	-4.0
5320.0				5.988	5.988	11.0	-5.0

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.5 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5270.0	2.474	2.880	4.601		7.970	11.0	-3.0
5310.0	2.963	3.164	4.289		8.134	11.0	-2.8

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.5 MBit/s	**Antenna Gain (dBi):**	5.80
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.80
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5270.0				4.601	4.601	11.0	-6.4
5310.0				4.289	4.289	11.0	-6.7

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:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5500.0	5.239	5.686	6.996		10.773	11.0	-0.2
5580.0	4.878	5.398	6.227		10.164	11.0	-0.8
5720.0	5.112	5.040	5.052		9.801	11.0	-1.2

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5500.0				6.996	6.996	11.0	-4.0
5580.0				6.227	6.227	11.0	-4.8
5720.0				5.052	5.052	11.0	-5.9

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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Equipment Configuration for Power Spectral Density

Variant:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.3 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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 (+0.09 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5530.0	-0.630	0.120	2.062		5.333	11.0	-5.6
5610.0	-0.693	-0.285	1.190		4.847	11.0	-6.1
5690.0	-1.062	-0.760	0.199		4.159	11.0	-6.8

Traceability to Industry Recognized Test Methodologies

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

Equipment Configuration for Power Spectral Density

Variant:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.3 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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 (+0.09 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5530.0				2.062	2.062	11.0	-8.9
5610.0				1.190	1.190	11.0	-9.8
5690.0				0.199	0.199	11.0	-10.8

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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.5 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5500.0	5.828	5.901	6.210		10.586	11.0	-0.4
5580.0	3.771	4.741	5.586		9.432	11.0	-1.5
5720.0	5.328	4.994	5.536		9.996	11.0	-1.0

Traceability to Industry Recognized Test Methodologies

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

Equipment Configuration for Power Spectral Density

Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.5 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5500.0				6.210	6.210	11.0	-4.8
5580.0				5.586	5.586	11.0	-5.4
5720.0				5.536	5.536	11.0	-5.5

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.5 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5510.0	2.554	2.870	4.121		7.682	11.0	-3.3
5550.0	2.353	2.756	4.347		8.026	11.0	-2.9
5710.0	2.641	2.443	2.806		7.099	11.0	-3.9

Traceability to Industry Recognized Test Methodologies

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

Equipment Configuration for Power Spectral Density

Variant:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.5 MBit/s	**Antenna Gain (dBi):**	5.60
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.60
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5510.0				4.121	4.121	11.0	-6.9
5550.0				4.347	4.347	11.0	-6.7
5710.0				2.806	2.806	11.0	-8.2

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).

Equipment Configuration for Power Spectral Density			
Variant:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5745.0	6.710	6.429	6.104		11.114	33.0	-21.9
5785.0	6.517	5.909	5.947		10.817	33.0	-22.2
5825.0	6.268	5.599	5.651		10.467	33.0	-22.5

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11a	**Duty Cycle (%):**	99.0
Data Rate:	6 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5745.0				6.710	6.710	33.0	-26.3
5785.0				6.517	6.517	33.0	-26.5
5825.0				6.268	6.268	33.0	-26.7

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:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.3 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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 (+0.09 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5775.0	1.491	0.699	0.026		8.310	33.00	-24.7

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11ac-80	**Duty Cycle (%):**	97.8
Data Rate:	29.3 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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 (+0.09 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5775.0				1.491	1.491	33.00	-31.5

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:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.5 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5745.0	7.170	6.471	6.640		11.499	33.0	-21.5
5785.0	7.188	6.357	6.071		11.139	33.0	-21.9
5825.0	6.835	6.210	6.244		11.124	33.0	-21.9

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-20	**Duty Cycle (%):**	99.0
Data Rate:	6.5 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5745.0				7.170	7.170	33.0	-25.8
5785.0				7.188	7.188	33.0	-25.8
5825.0				6.835	6.835	33.0	-26.2

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:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.5 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5755.0	4.161	3.678	3.984		8.499	33.0	-24.5
5795.0	3.879	3.534	3.426		8.035	33.0	-25.0

Traceability to Industry Recognized Test Methodologies	
Work Instruction:	WI-03 MEASURING RF SPECTRUM MASK
Measurement Uncertainty:	±2.81 dB

Equipment Configuration for Power Spectral Density			
Variant:	802.11n HT-40	**Duty Cycle (%):**	98.7
Data Rate:	13.5 MBit/s	**Antenna Gain (dBi):**	5.00
Modulation:	OFDM	**Beam Forming Gain (Y)(dB):**	2.00
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 (+0.04 dB)	Limit	Margin
MHz	**a**	**b**	**c**	**d**	**dBm/MHz**	**dBm/MHz**	**dB**
5755.0				4.161	4.161	33.0	-28.8
5795.0				3.879	3.879	33.0	-29.1

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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9.4. Transmit Power Control (TPC)

Conducted Test Conditions for Transmit Power Control (TPC)			
Standard:	FCC CFR 47:15.407	**Ambient Temp. (ºC):**	20.0 - 24.5
Test Heading:	Transmit Power Control (TPC)	**Rel. Humidity (%):**	32 - 45
Standard Section(s):	15.247 (h)	**Pressure (mBars):**	999 - 1001
Reference Document(s):	See Section "Normative References" KDB 789033 - D02 DTS General UNII Test Procedures KDB 662911 - Measurement of Transmitters with Multiple Output, MIMO, Smart Antenna		

Test Procedure for Transmit Power Control
Transmit power control (TPC). U-NII devices operating in the 5.25-5.35 GHz band and the 5.47-5.725 GHz band shall employ a TPC mechanism. The U-NII device is required to have the capability to operate at least 6 dB below the mean EIRP value of 30 dBm. A TPC mechanism is not required for systems with an e.i.r.p. of less than 500 mW.

Transmit Power Control measurement test setup diagram is provided in Section "Test Equipment Measurement Setup \ Conducted RF Emissions".

From the Peak Transmit Power section in this document it was found that the device EIRP was greater than 500 mW therefore Transmit Power Control implementation is required. Testing was performed and the unit TPC function was greater than 6 dB.

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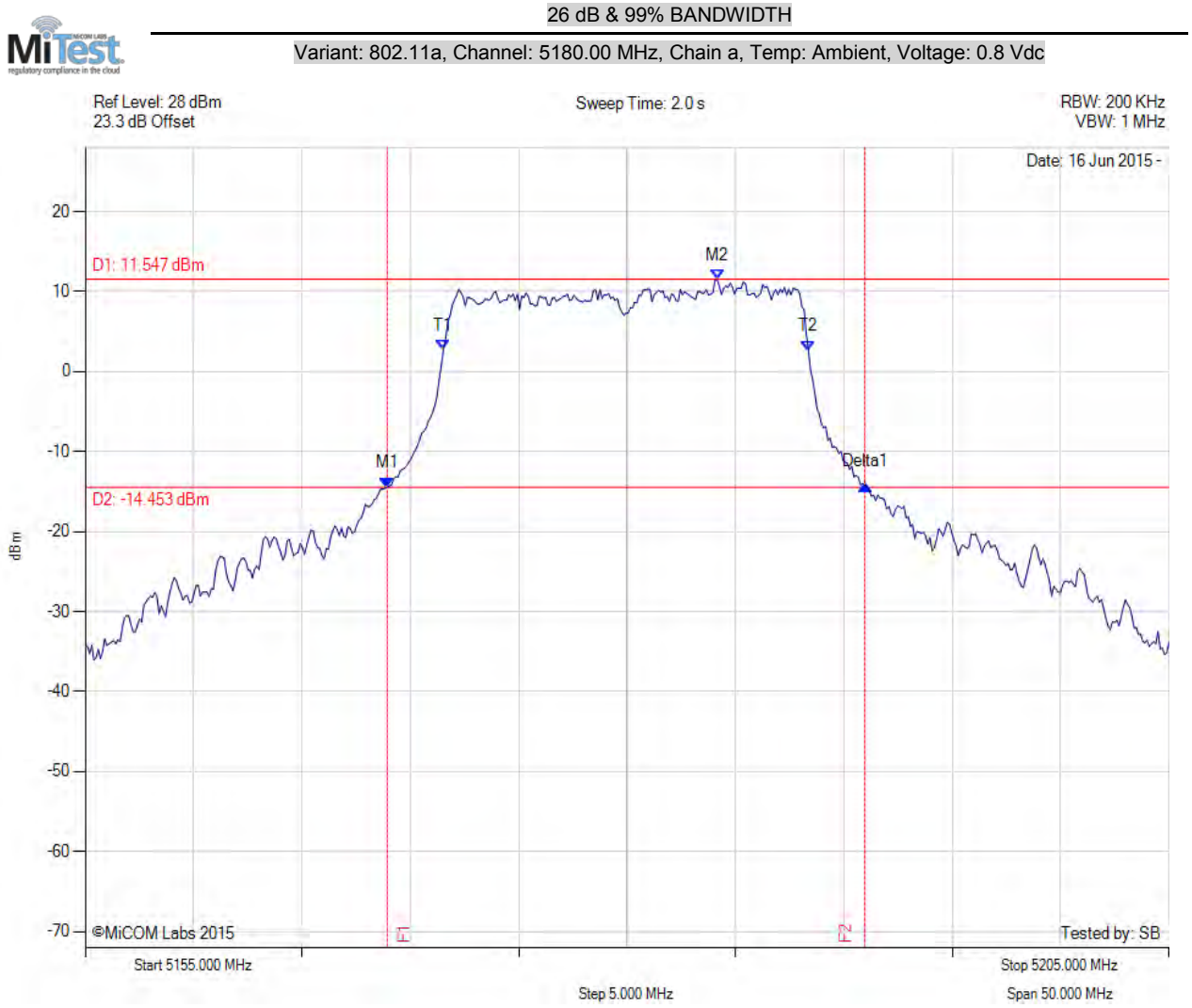
A. APPENDIX - GRAPHICAL IMAGES

A.1. 26 dB & 99% Bandwidth

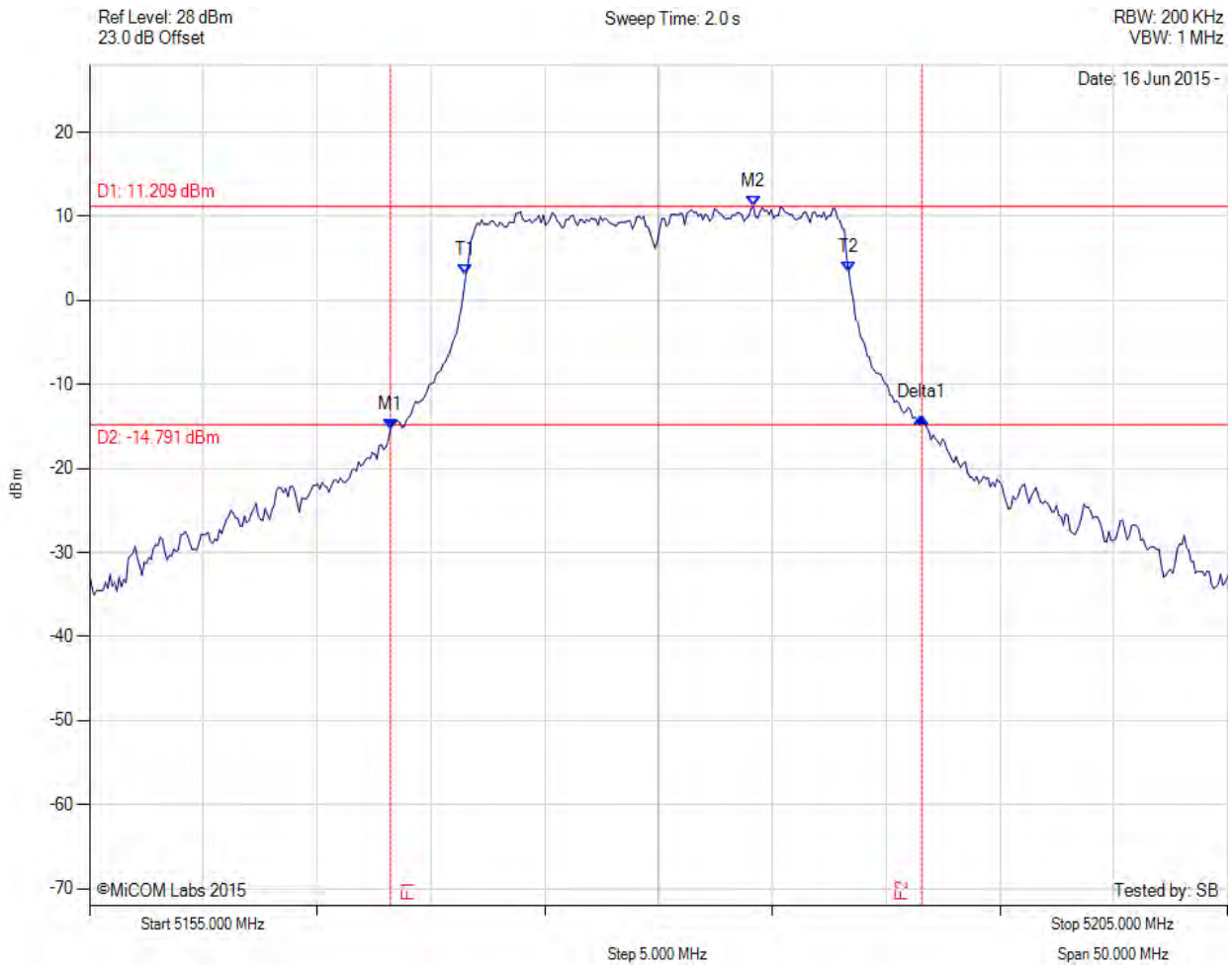


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.928 MHz : -14.459 dBm M2 : 5184.158 MHz : 11.547 dBm Delta1 : 22.044 MHz : 0.248 dB T1 : 5171.533 MHz : 2.800 dBm T2 : 5188.367 MHz : 2.653 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.044 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5180.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

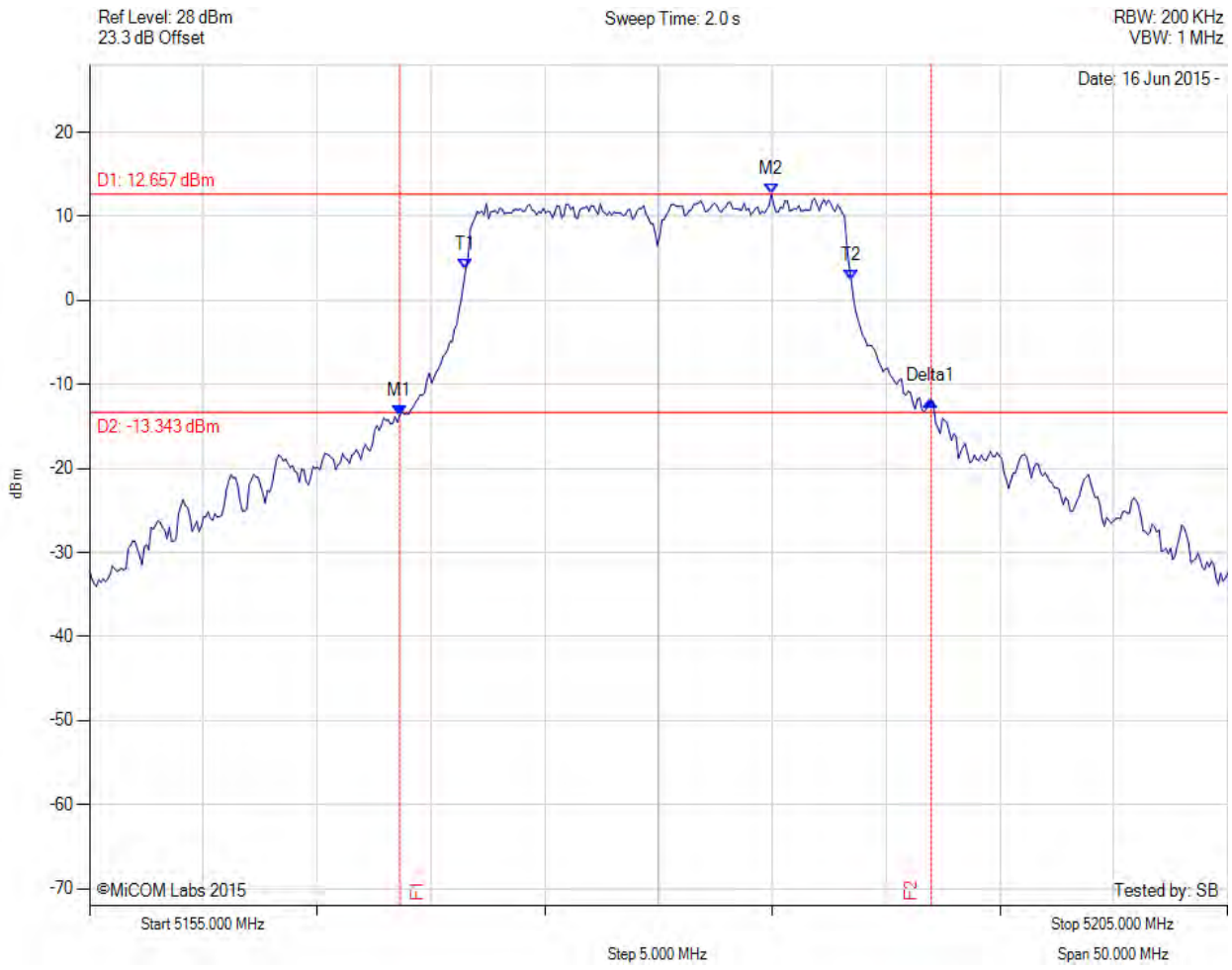


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.226 MHz : -15.278 dBm M2 : 5184.158 MHz : 11.209 dBm Delta1 : 23.347 MHz : 1.350 dB T1 : 5171.533 MHz : 2.999 dBm T2 : 5188.367 MHz : 3.373 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.347 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

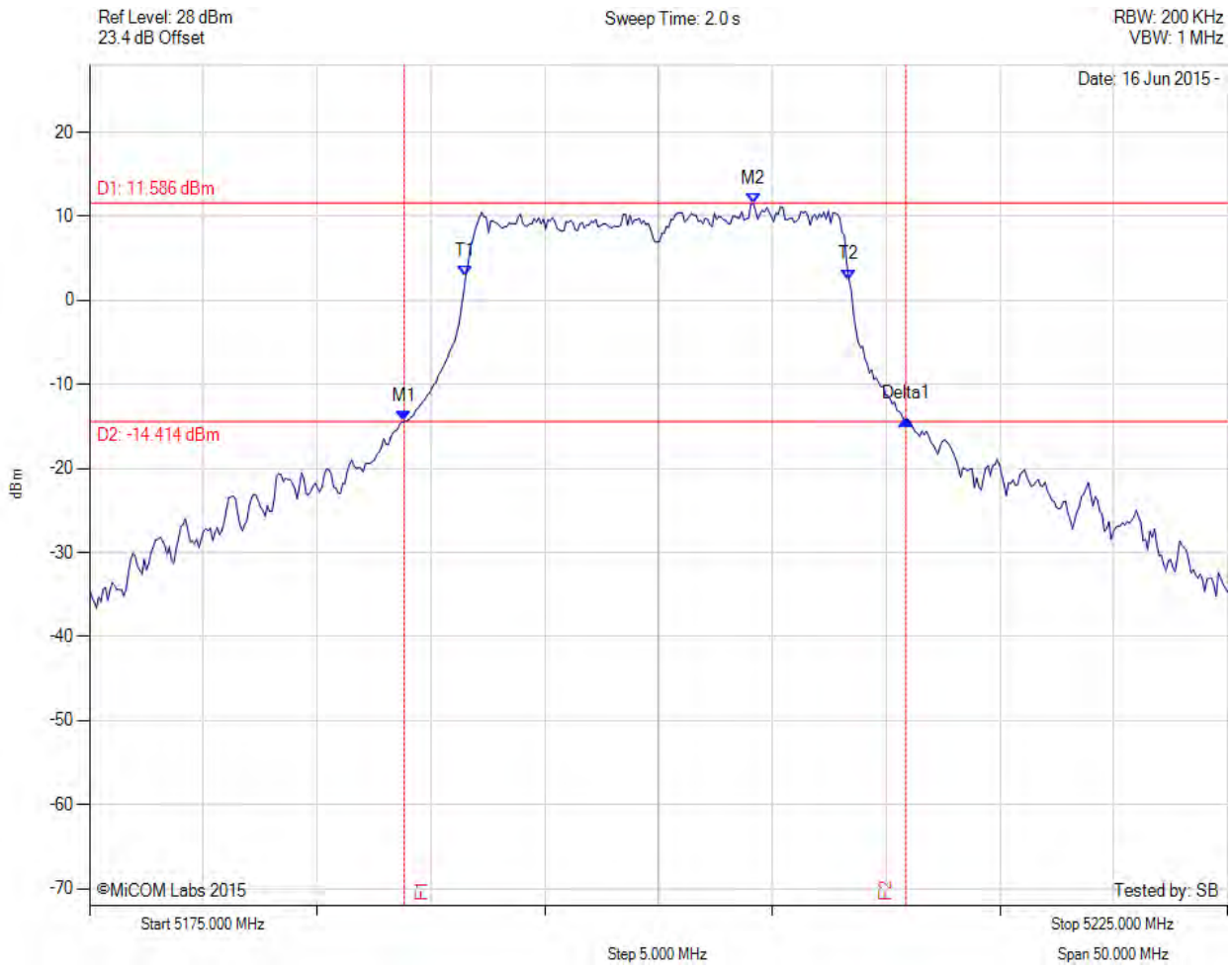


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.627 MHz : -13.704 dBm M2 : 5184.960 MHz : 12.657 dBm Delta1 : 23.347 MHz : 1.792 dB T1 : 5171.533 MHz : 3.750 dBm T2 : 5188.467 MHz : 2.442 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 23.347 MHz Measured 99% Bandwidth: 16.934 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5200.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

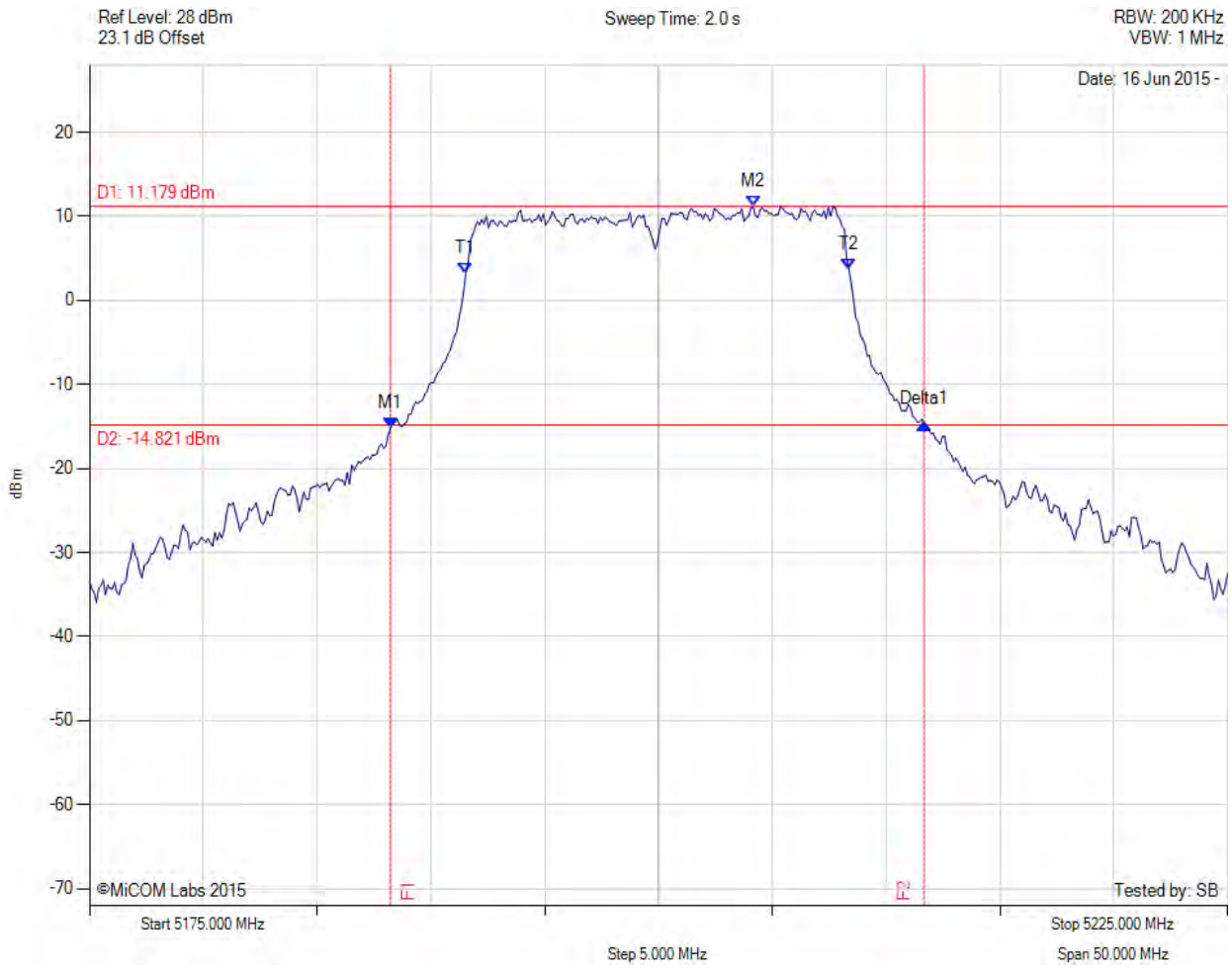


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5188.828 MHz : -14.416 dBm M2 : 5204.158 MHz : 11.586 dBm Delta1 : 22.044 MHz : 0.291 dB T1 : 5191.533 MHz : 2.956 dBm T2 : 5208.367 MHz : 2.489 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.044 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5200.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

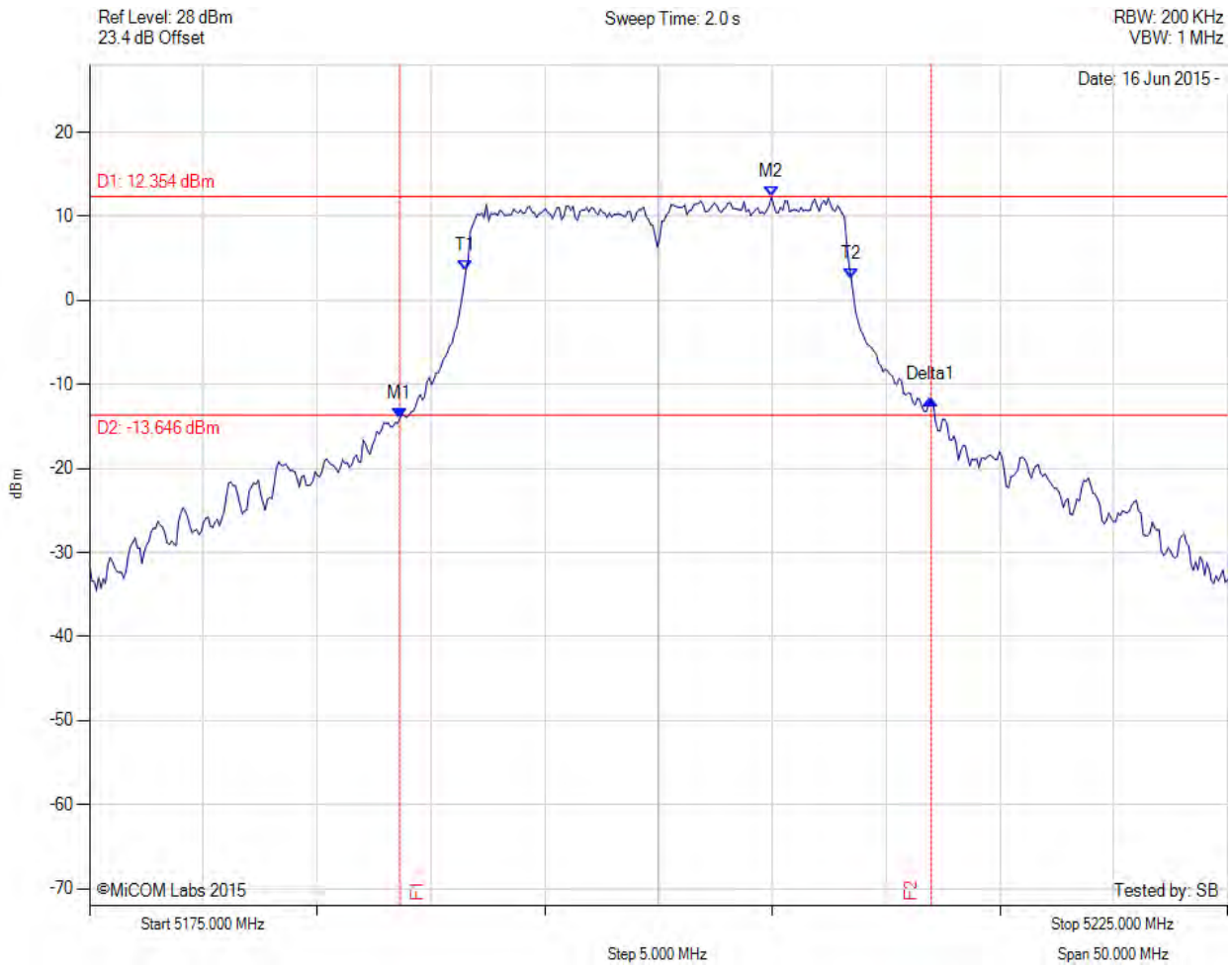


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5188.226 MHz : -15.180 dBm M2 : 5204.158 MHz : 11.179 dBm Delta1 : 23.447 MHz : 0.431 dB T1 : 5191.533 MHz : 3.264 dBm T2 : 5208.367 MHz : 3.638 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.447 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

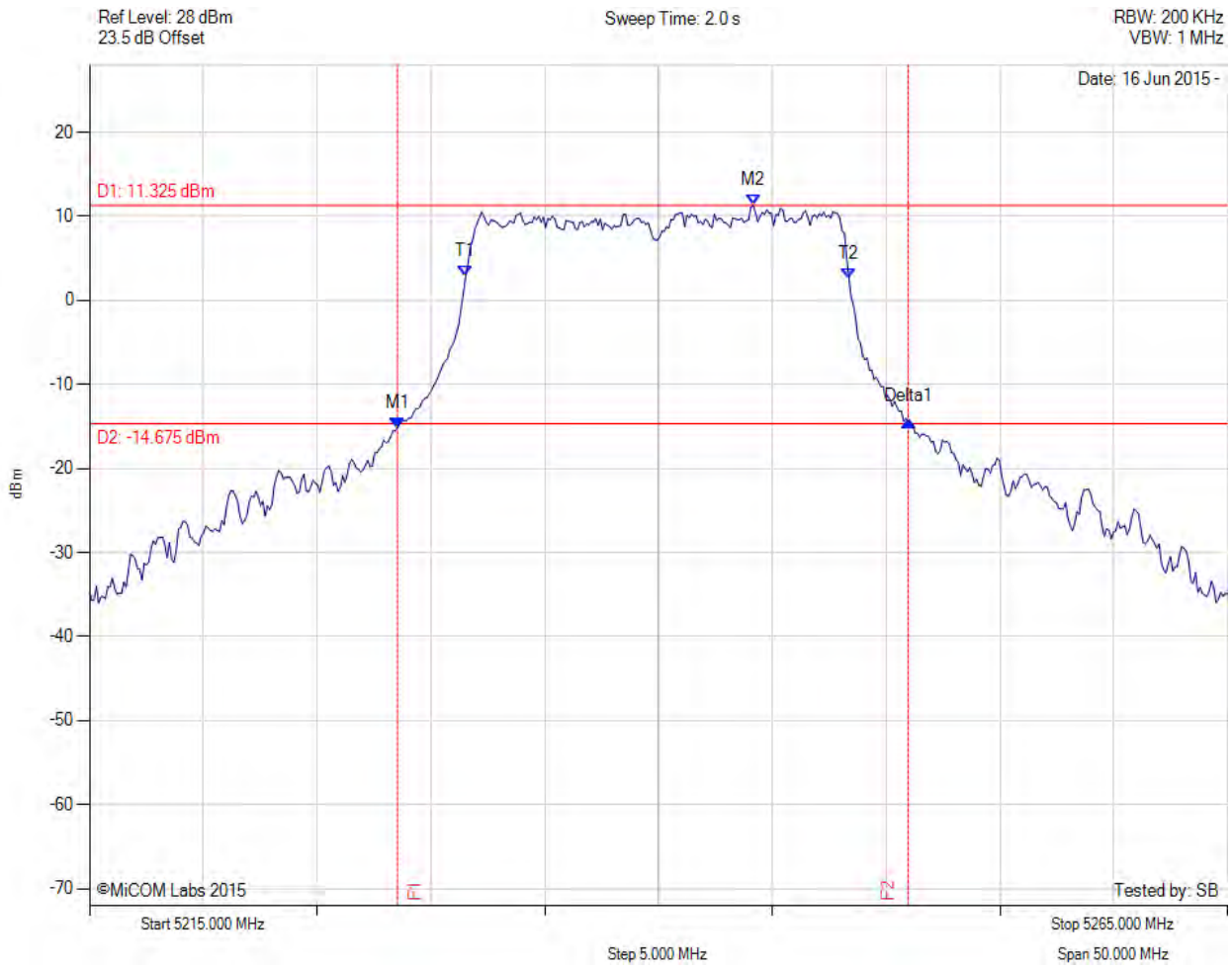


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5188.627 MHz : -14.080 dBm M2 : 5204.960 MHz : 12.354 dBm Delta1 : 23.347 MHz : 2.290 dB T1 : 5191.533 MHz : 3.532 dBm T2 : 5208.467 MHz : 2.611 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 23.347 MHz Measured 99% Bandwidth: 16.934 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5240.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

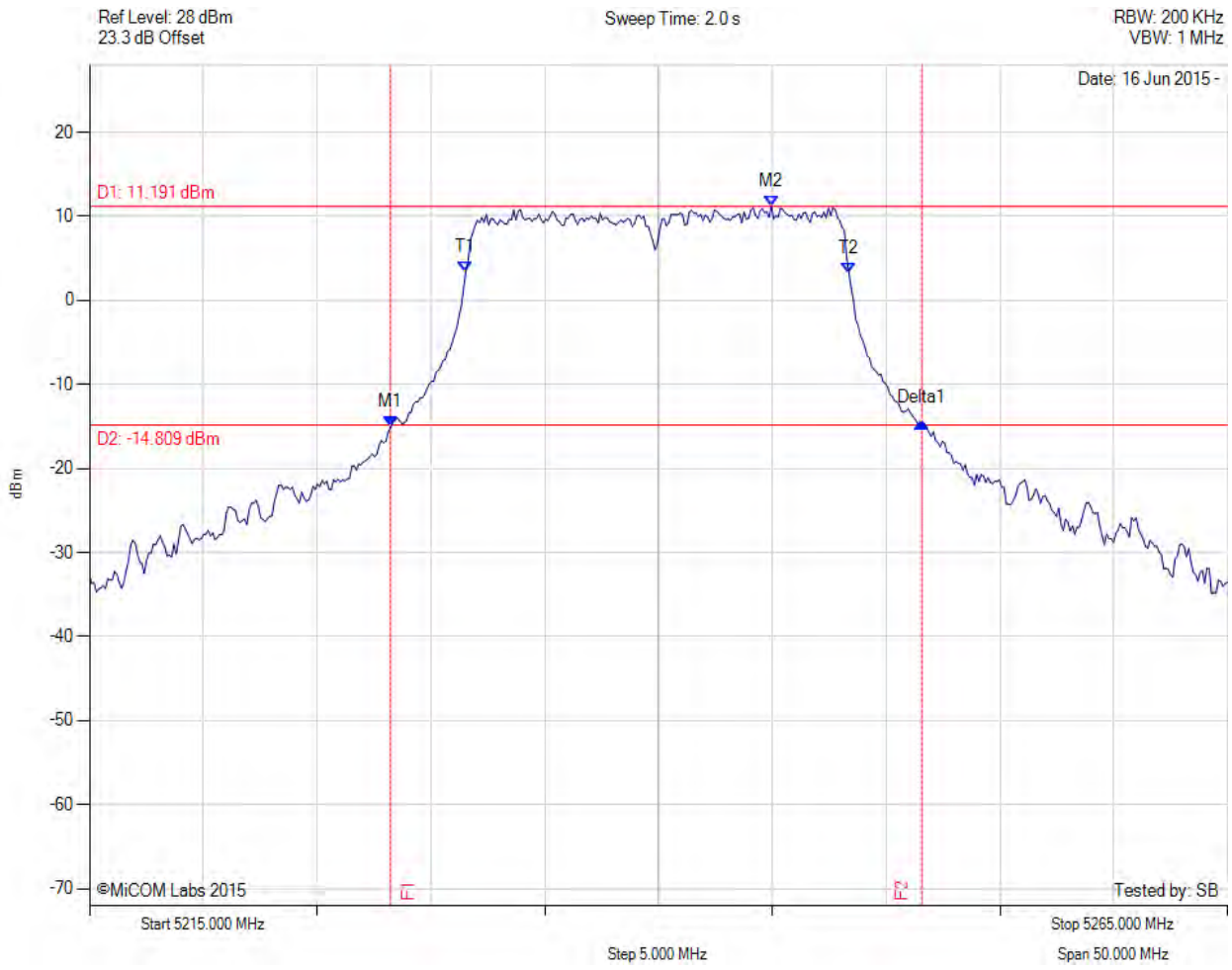


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5228.527 MHz : -15.166 dBm M2 : 5244.158 MHz : 11.325 dBm Delta1 : 22.445 MHz : 0.820 dB T1 : 5231.533 MHz : 2.936 dBm T2 : 5248.367 MHz : 2.584 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.445 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5240.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

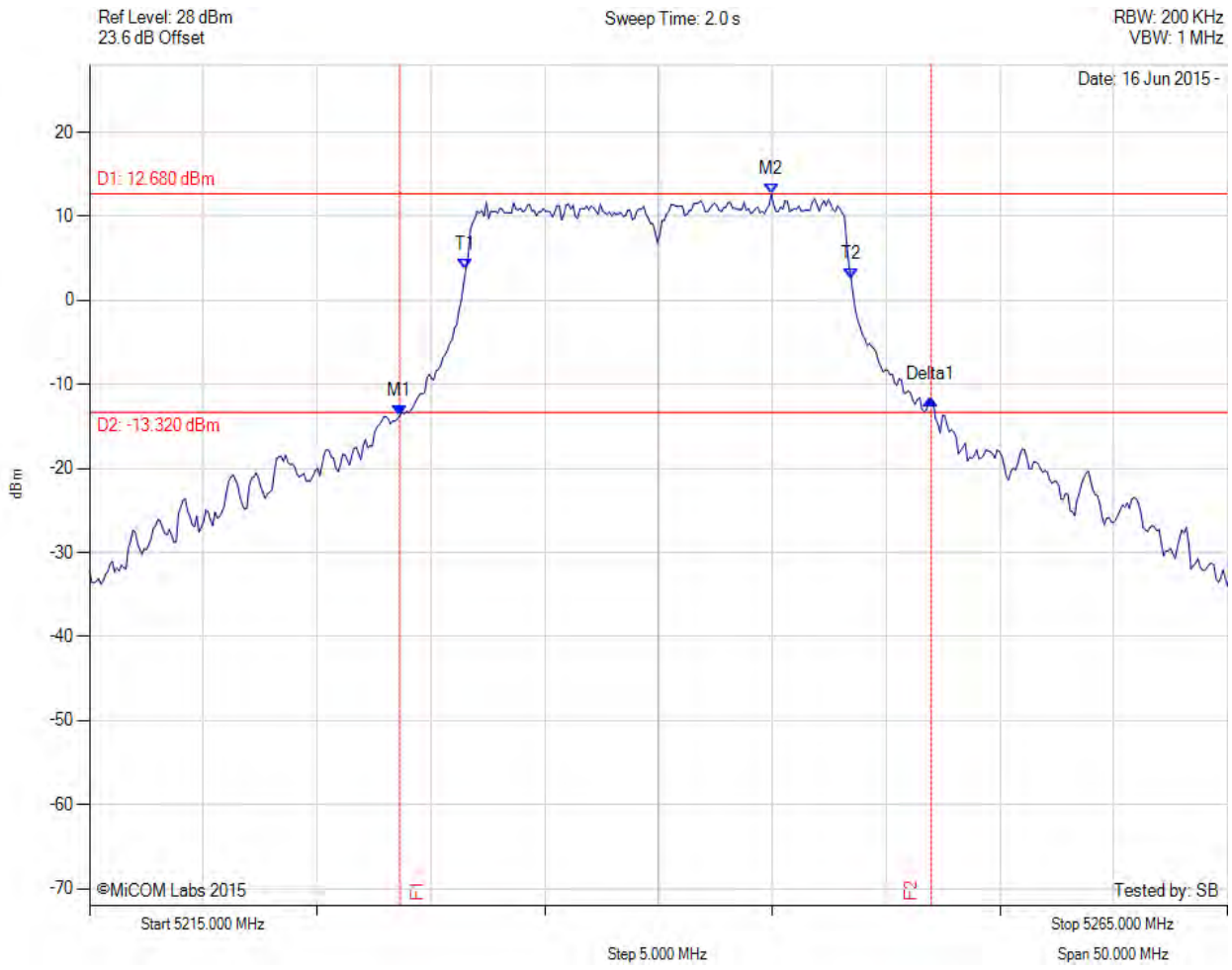


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5228.226 MHz : -15.093 dBm M2 : 5244.960 MHz : 11.191 dBm Delta1 : 23.347 MHz : 0.616 dB T1 : 5231.533 MHz : 3.445 dBm T2 : 5248.367 MHz : 3.278 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.347 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

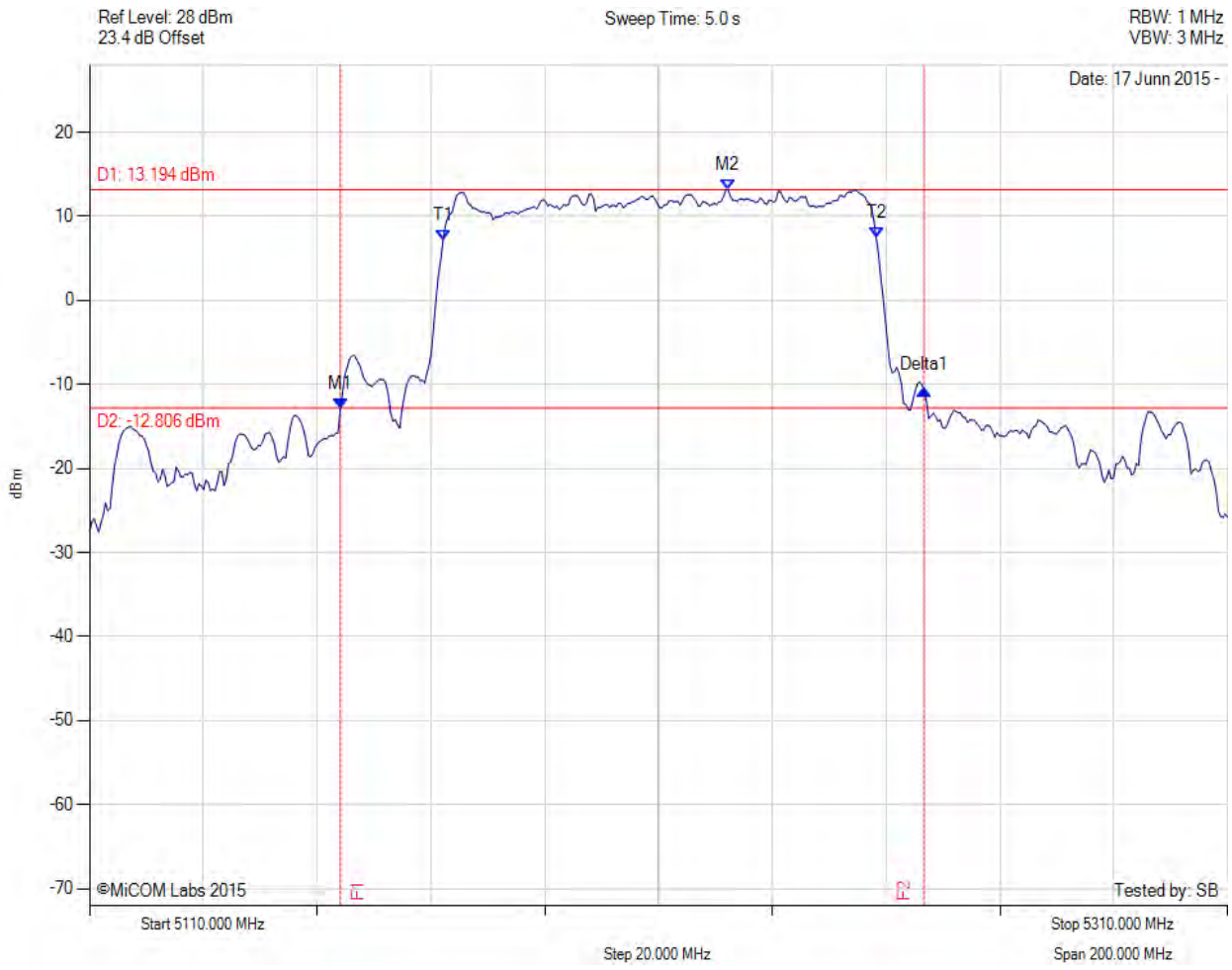


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5228.627 MHz : -13.761 dBm M2 : 5244.960 MHz : 12.680 dBm Delta1 : 23.347 MHz : 2.028 dB T1 : 5231.533 MHz : 3.695 dBm T2 : 5248.467 MHz : 2.503 dBm OBW : 16.934 MHz	Measured 26 dB Bandwidth: 23.347 MHz Measured 99% Bandwidth: 16.934 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

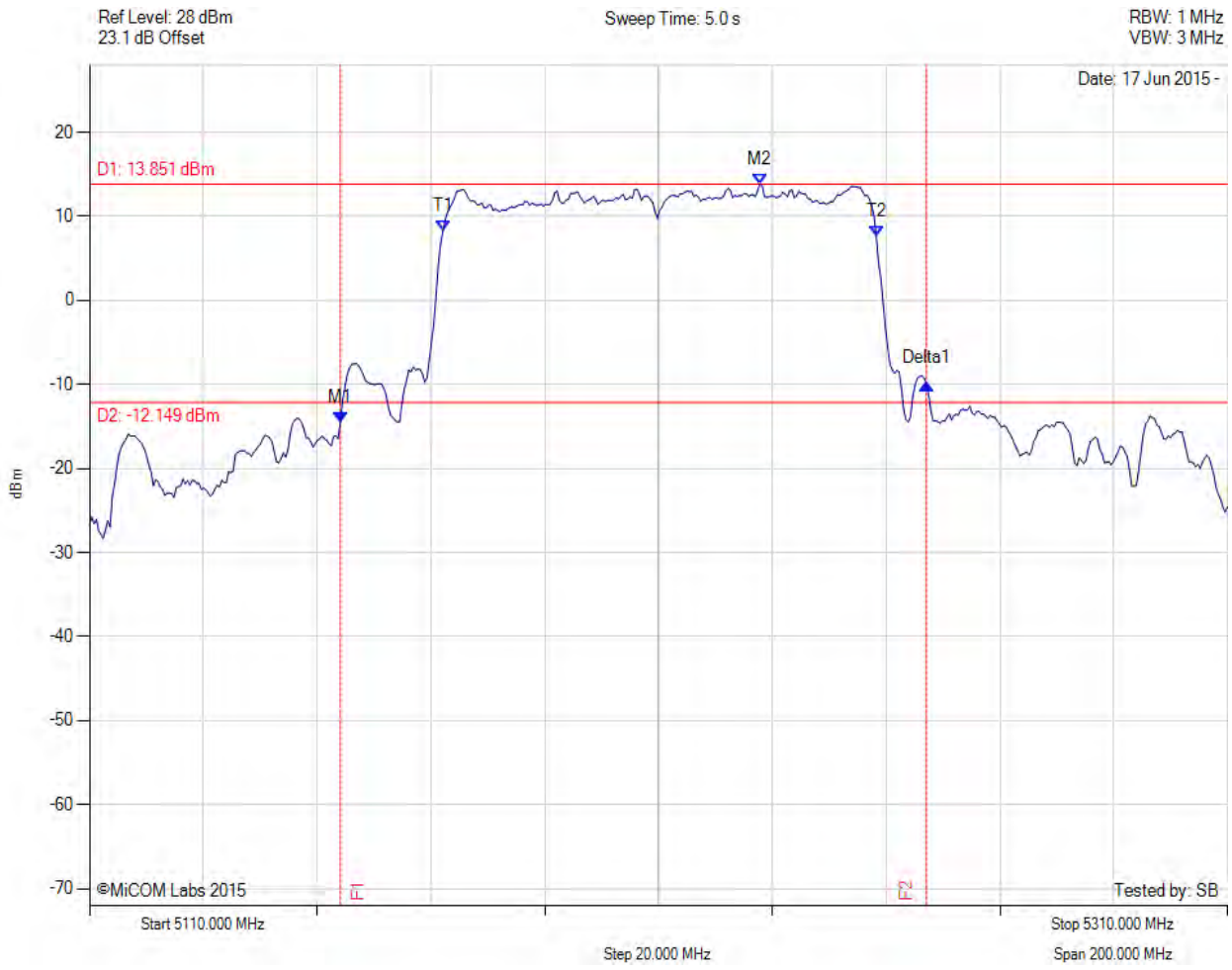


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5154.088 MHz : -12.840 dBm M2 : 5222.224 MHz : 13.194 dBm Delta1 : 102.605 MHz : 2.164 dB T1 : 5172.124 MHz : 7.142 dBm T2 : 5248.277 MHz : 7.453 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 102.605 MHz Measured 99% Bandwidth: 76.152 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

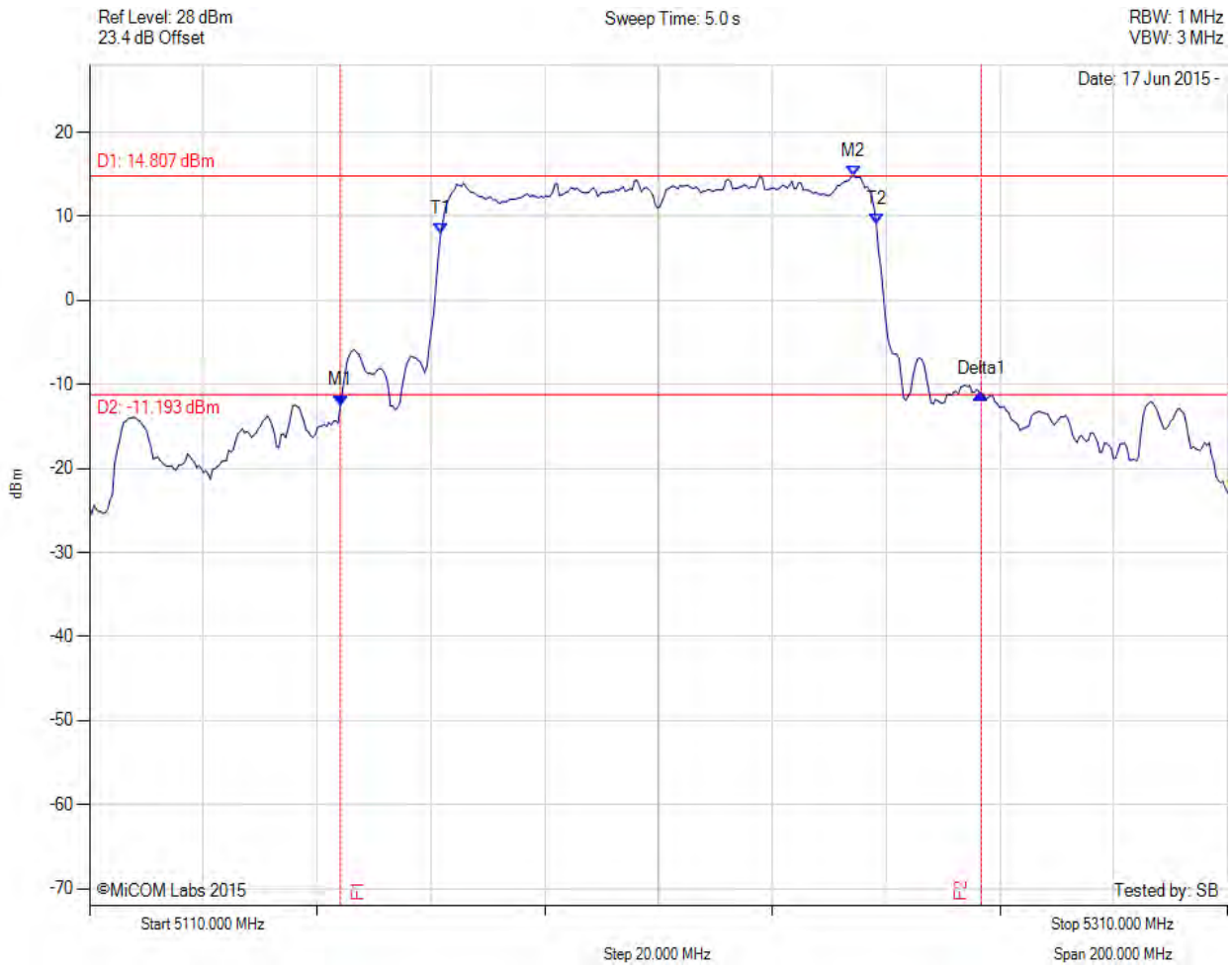


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5154.088 MHz : -14.572 dBm M2 : 5227.836 MHz : 13.851 dBm Delta1 : 103.006 MHz : 4.674 dB T1 : 5172.124 MHz : 8.242 dBm T2 : 5248.277 MHz : 7.646 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 103.006 MHz Measured 99% Bandwidth: 76.152 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5210.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

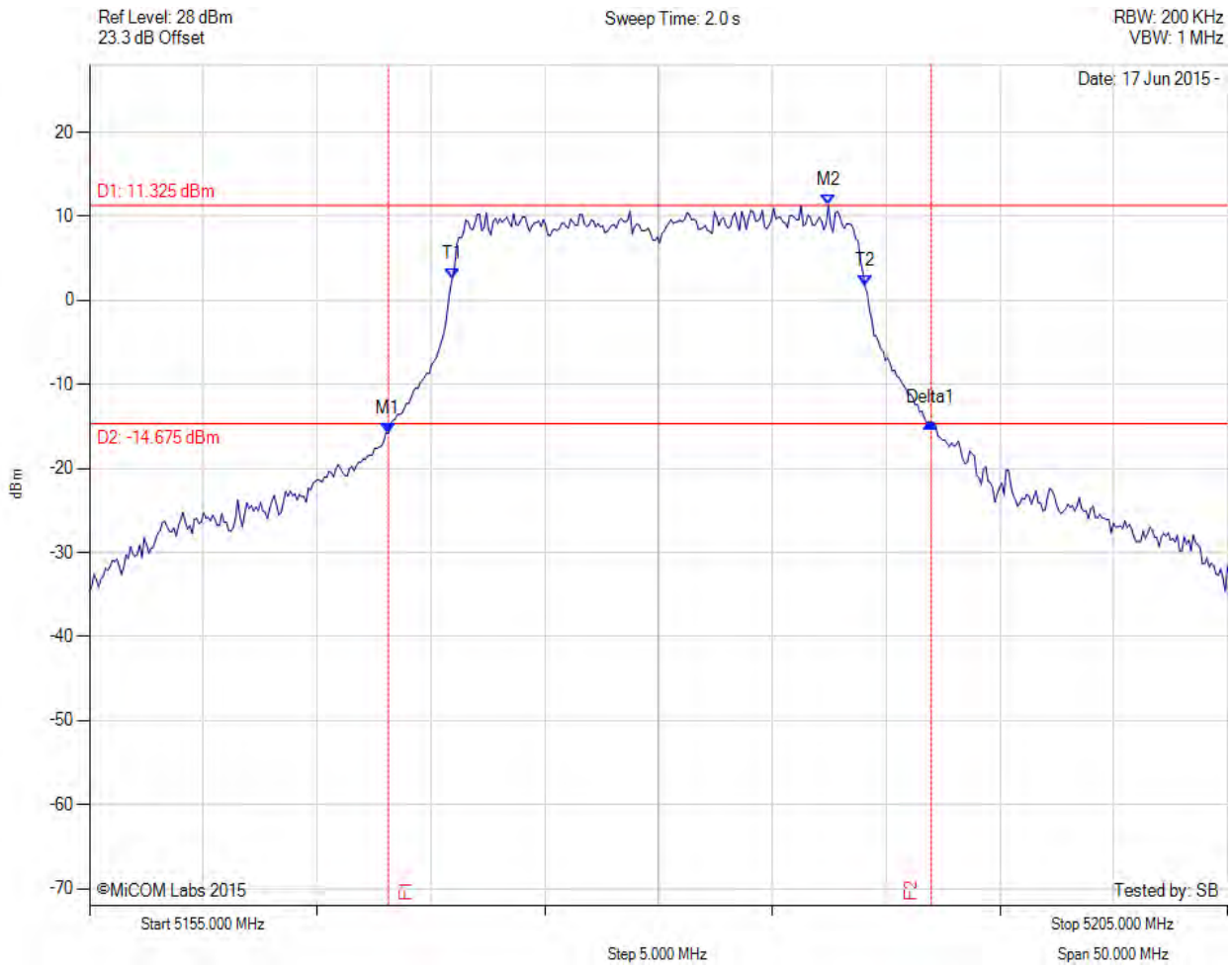


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5154.088 MHz : -12.494 dBm M2 : 5244.269 MHz : 14.807 dBm Delta1 : 112.625 MHz : 1.415 dB T1 : 5171.723 MHz : 7.968 dBm T2 : 5248.277 MHz : 9.143 dBm OBW : 76.553 MHz	Measured 26 dB Bandwidth: 112.625 MHz Measured 99% Bandwidth: 76.553 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

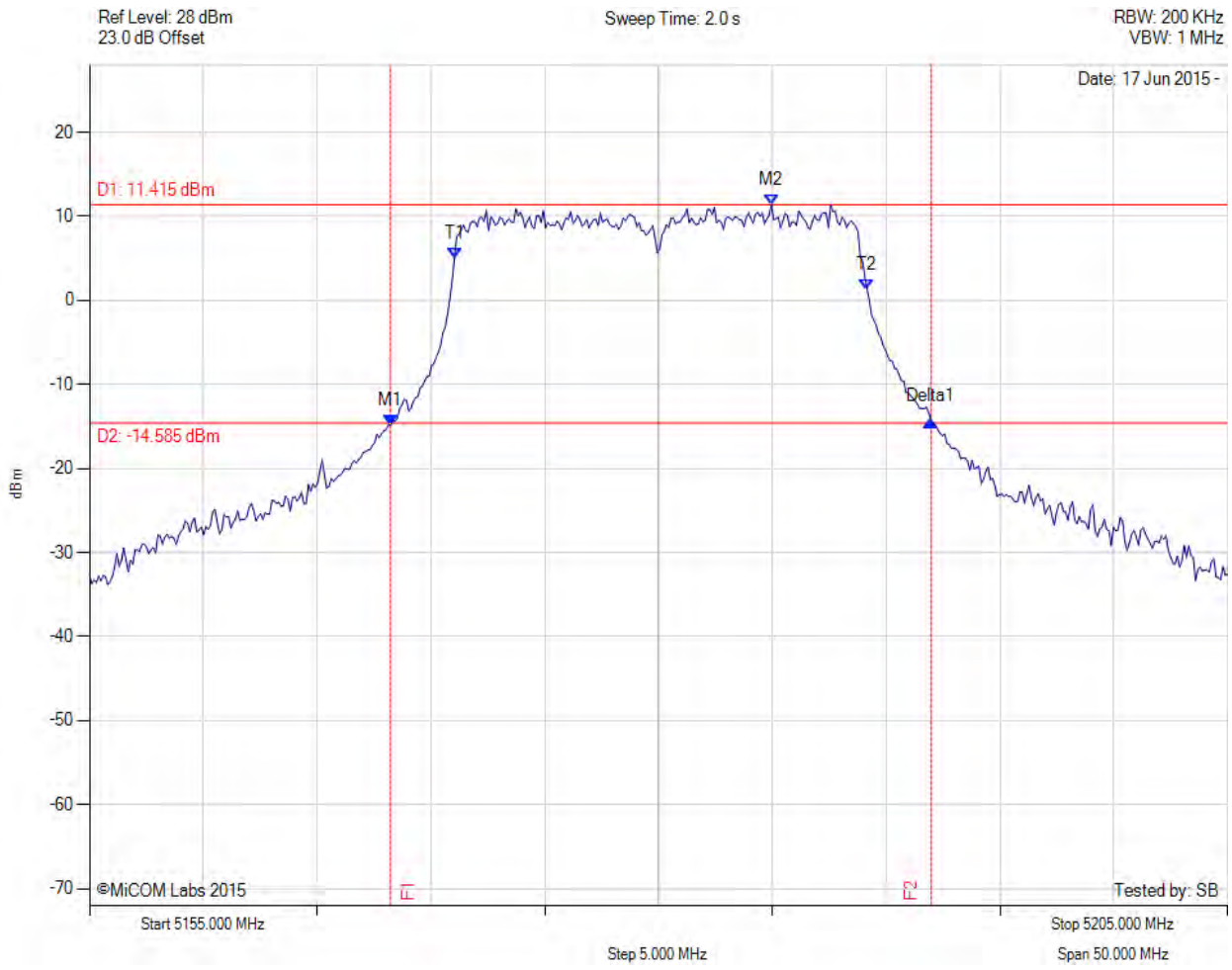


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.126 MHz : -15.835 dBm M2 : 5187.465 MHz : 11.325 dBm Delta1 : 23.848 MHz : 1.371 dB T1 : 5170.932 MHz : 2.596 dBm T2 : 5189.068 MHz : 1.706 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.848 MHz Measured 99% Bandwidth: 18.136 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

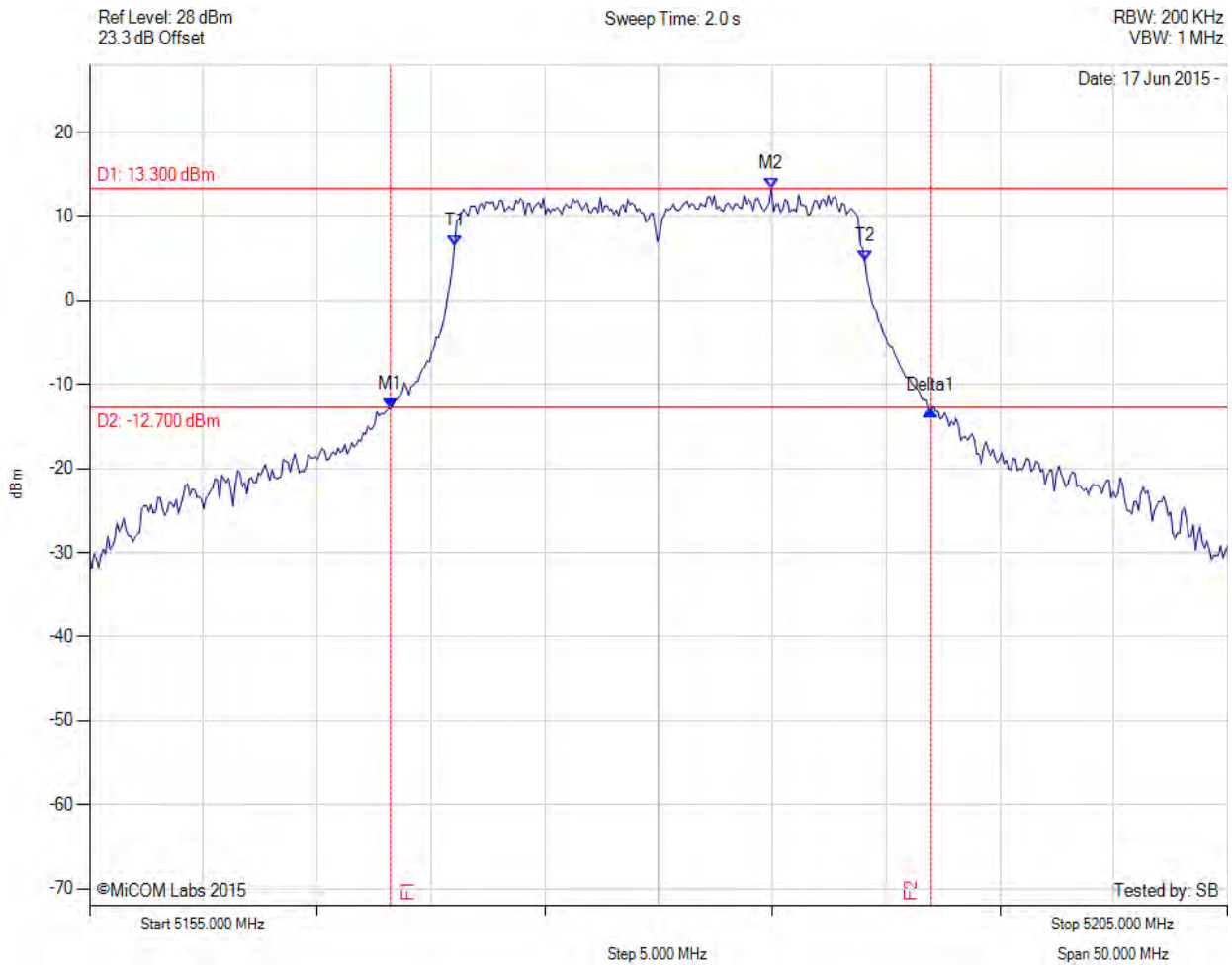


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.226 MHz : -14.867 dBm M2 : 5184.960 MHz : 11.415 dBm Delta1 : 23.747 MHz : 0.474 dB T1 : 5171.032 MHz : 4.980 dBm T2 : 5189.168 MHz : 1.323 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.136 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5180.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.226 MHz : -12.878 dBm M2 : 5184.960 MHz : 13.300 dBm Delta1 : 23.747 MHz : -0.175 dB T1 : 5171.032 MHz : 6.479 dBm T2 : 5189.068 MHz : 4.642 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.036 MHz

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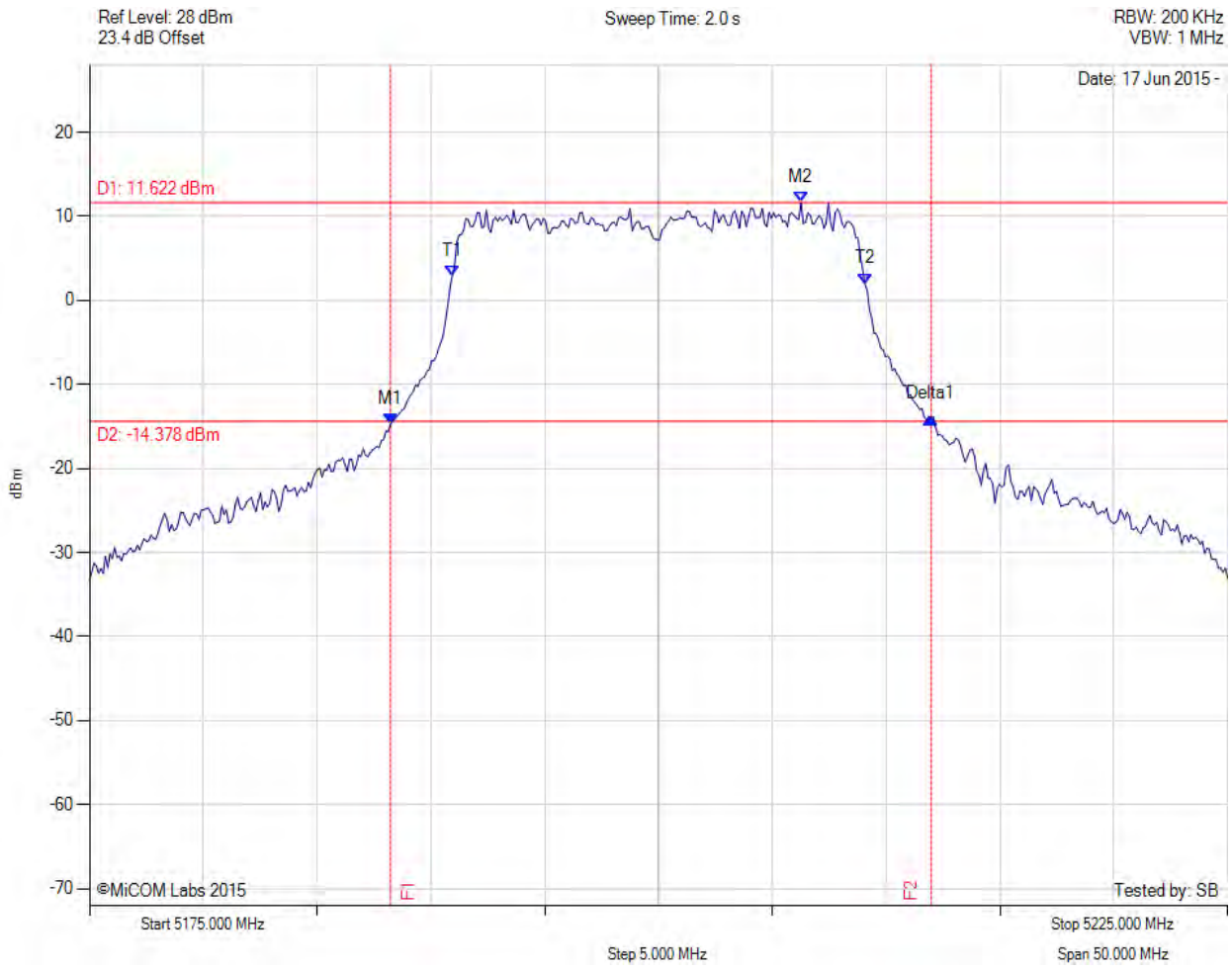
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

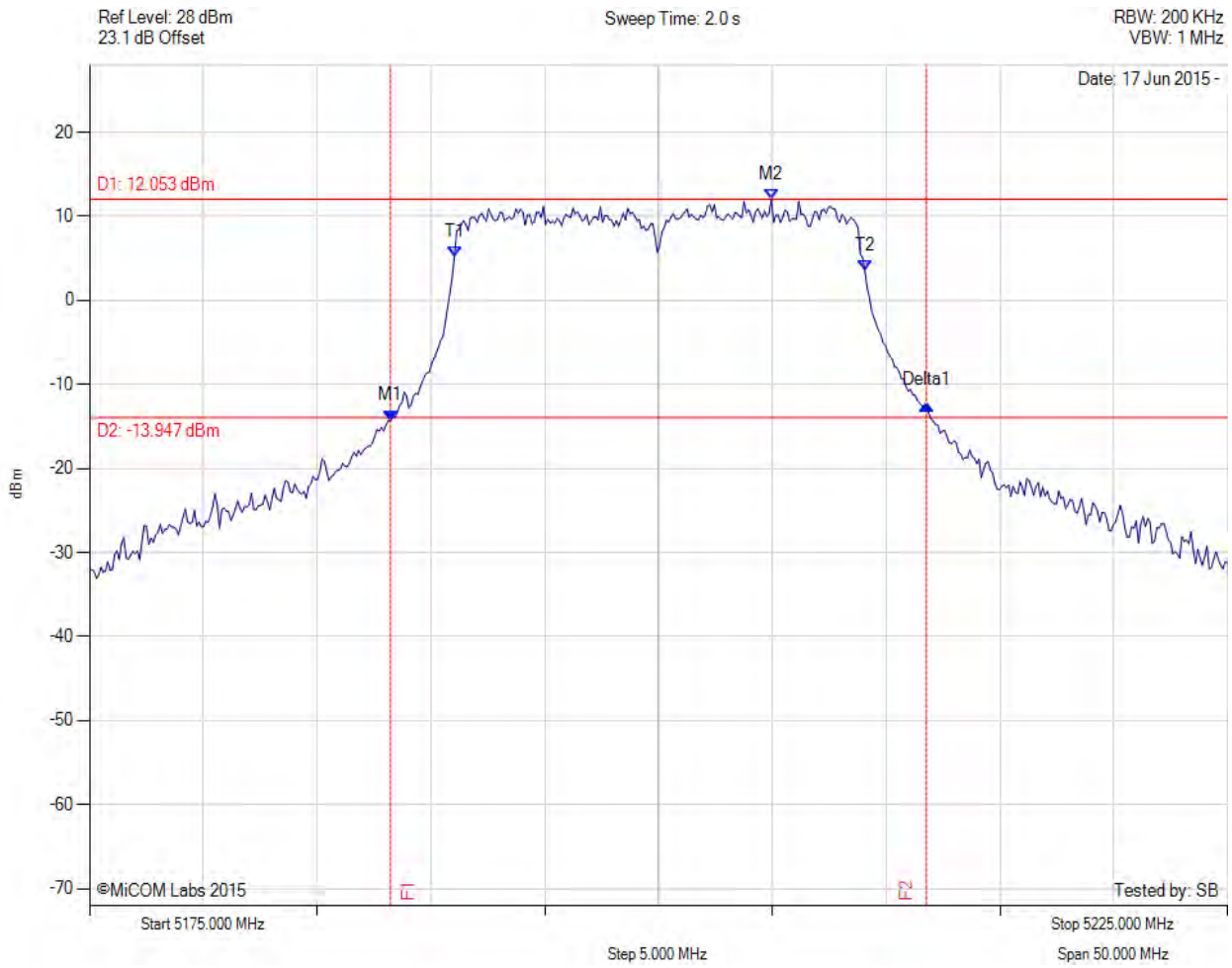


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5188.226 MHz : -14.739 dBm M2 : 5206.263 MHz : 11.622 dBm Delta1 : 23.747 MHz : 0.748 dB T1 : 5190.932 MHz : 2.924 dBm T2 : 5209.068 MHz : 1.992 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.136 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5188.226 MHz : -14.298 dBm M2 : 5204.960 MHz : 12.053 dBm Delta1 : 23.547 MHz : 1.900 dB T1 : 5191.032 MHz : 5.210 dBm T2 : 5209.068 MHz : 3.550 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 18.036 MHz

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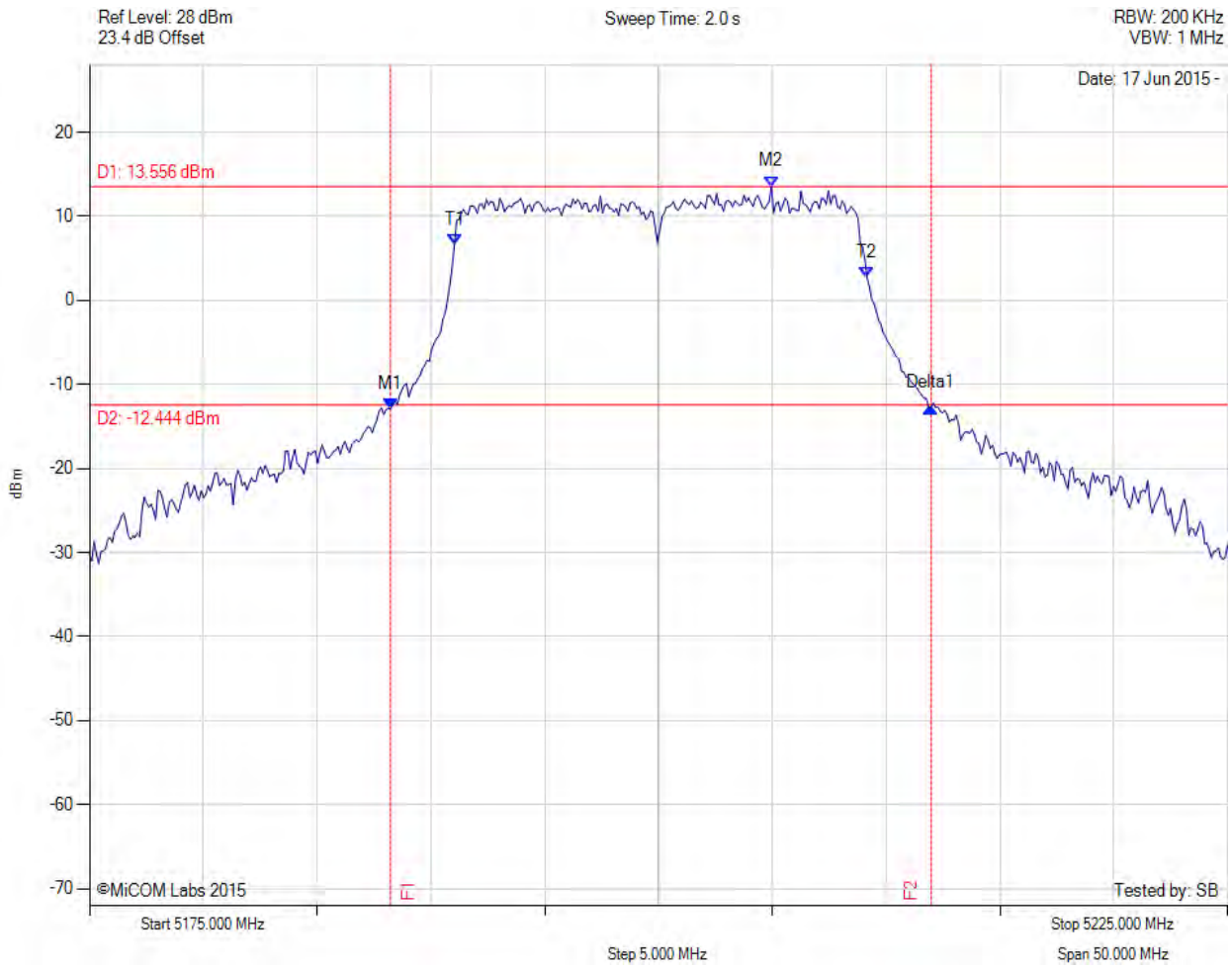
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5200.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5188.226 MHz : -12.872 dBm M2 : 5204.960 MHz : 13.556 dBm Delta1 : 23.747 MHz : 0.142 dB T1 : 5191.032 MHz : 6.603 dBm T2 : 5209.168 MHz : 2.676 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.136 MHz

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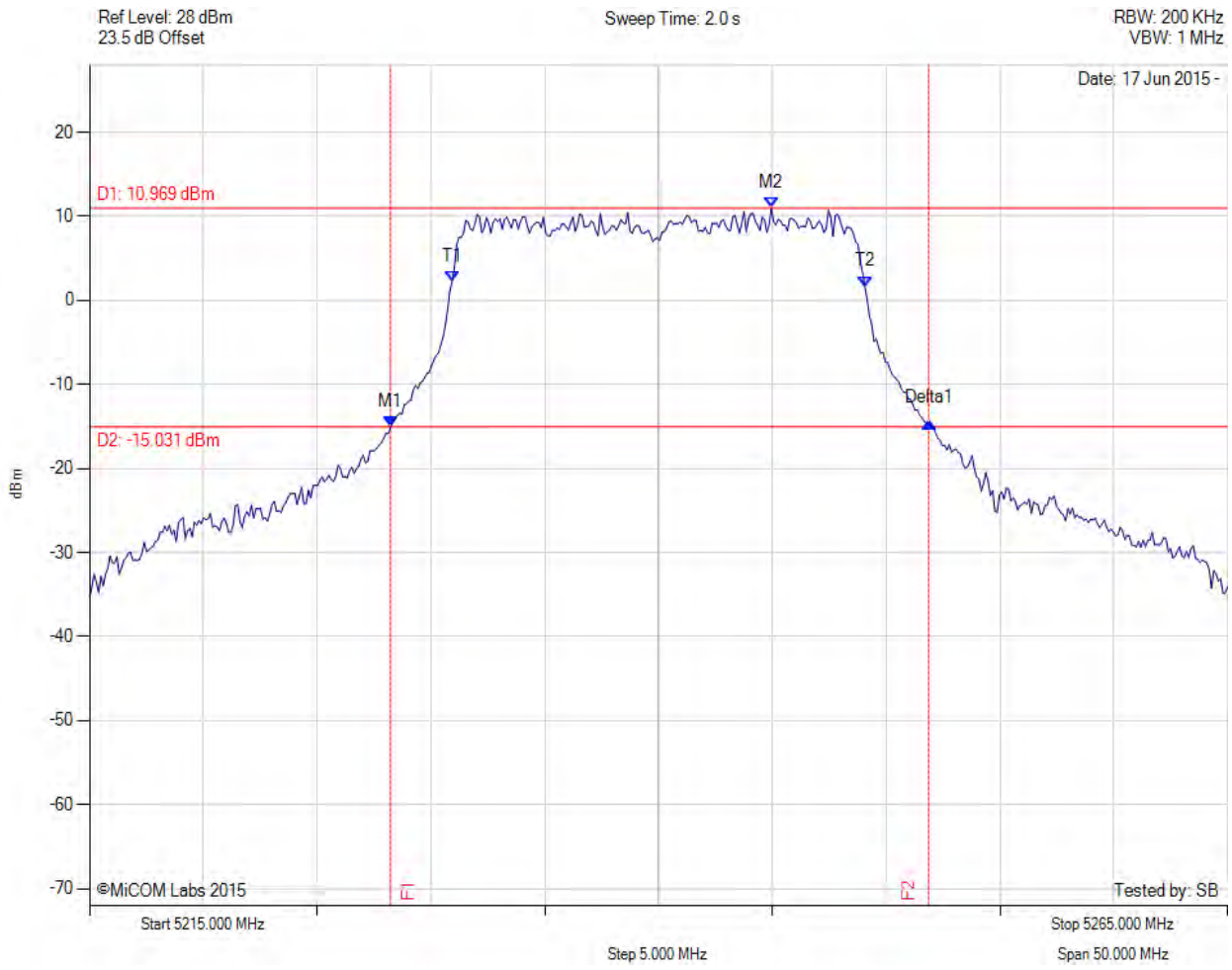
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5228.226 MHz : -15.069 dBm M2 : 5244.960 MHz : 10.969 dBm Delta1 : 23.647 MHz : 0.553 dB T1 : 5230.932 MHz : 2.295 dBm T2 : 5249.068 MHz : 1.673 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.647 MHz Measured 99% Bandwidth: 18.136 MHz

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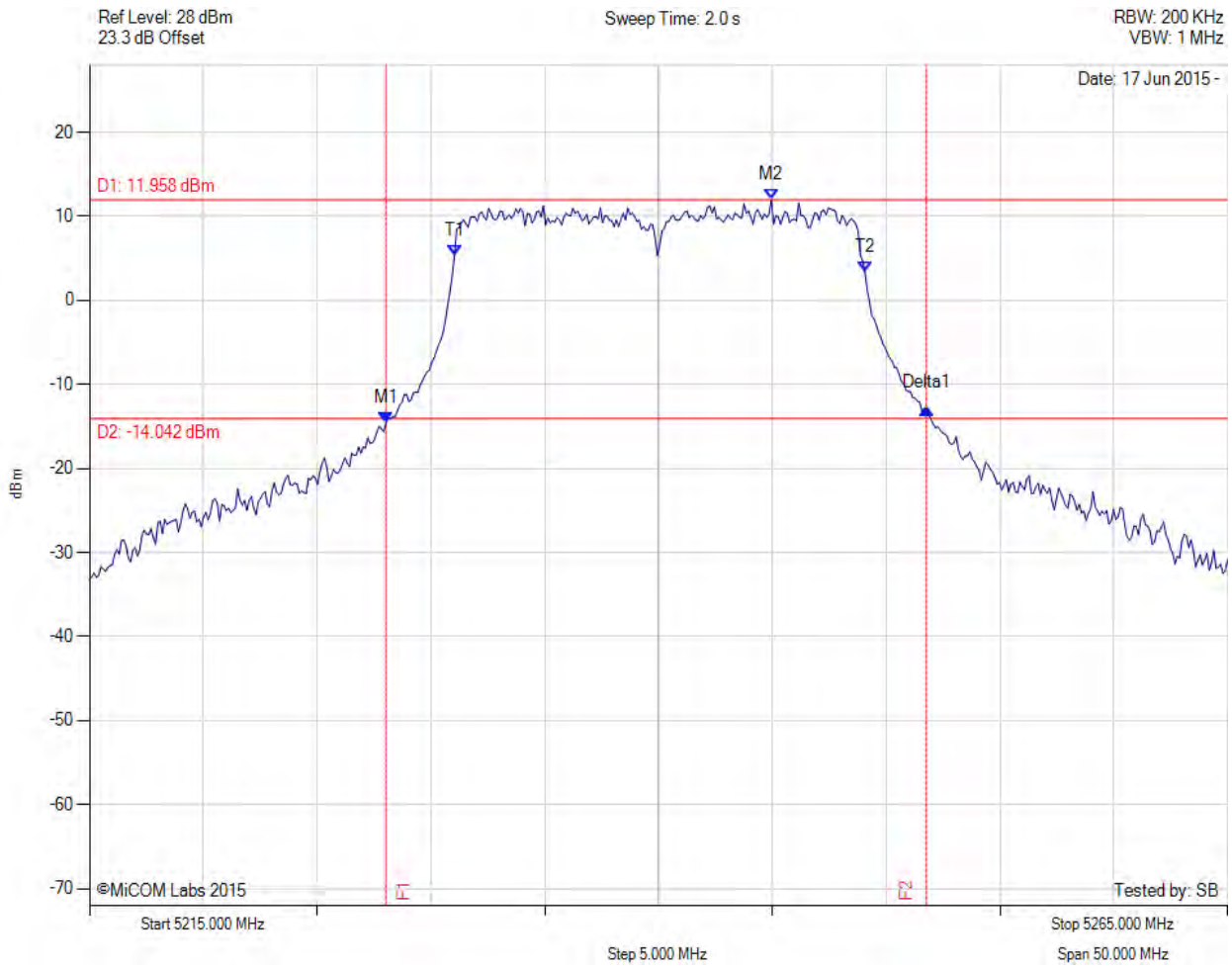
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5228.026 MHz : -14.566 dBm M2 : 5244.960 MHz : 11.958 dBm Delta1 : 23.747 MHz : 1.737 dB T1 : 5231.032 MHz : 5.348 dBm T2 : 5249.068 MHz : 3.416 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.036 MHz

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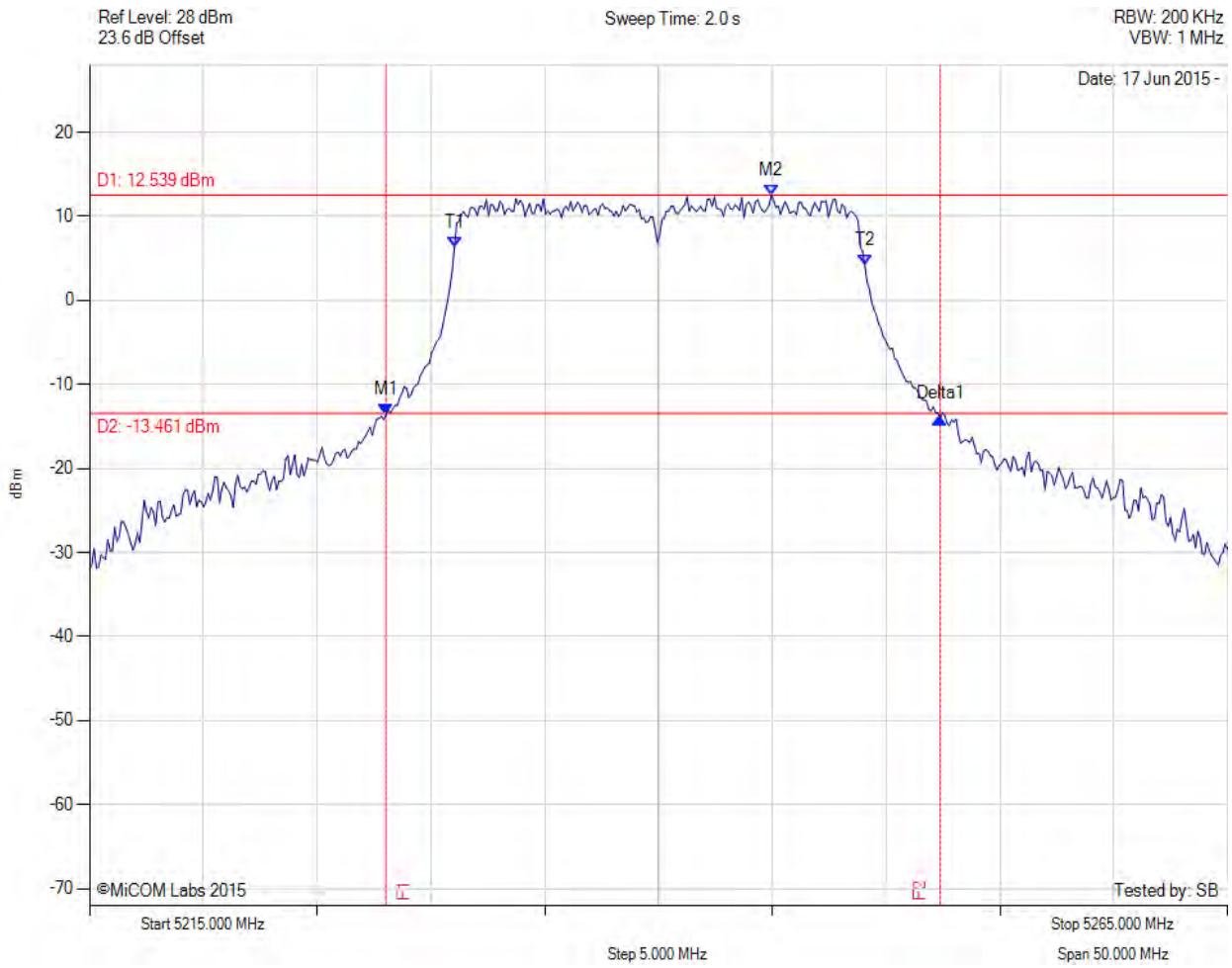
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5240.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5228.026 MHz : -13.578 dBm M2 : 5244.960 MHz : 12.539 dBm Delta1 : 24.349 MHz : -0.502 dB T1 : 5231.032 MHz : 6.320 dBm T2 : 5249.068 MHz : 4.169 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 24.349 MHz Measured 99% Bandwidth: 18.036 MHz

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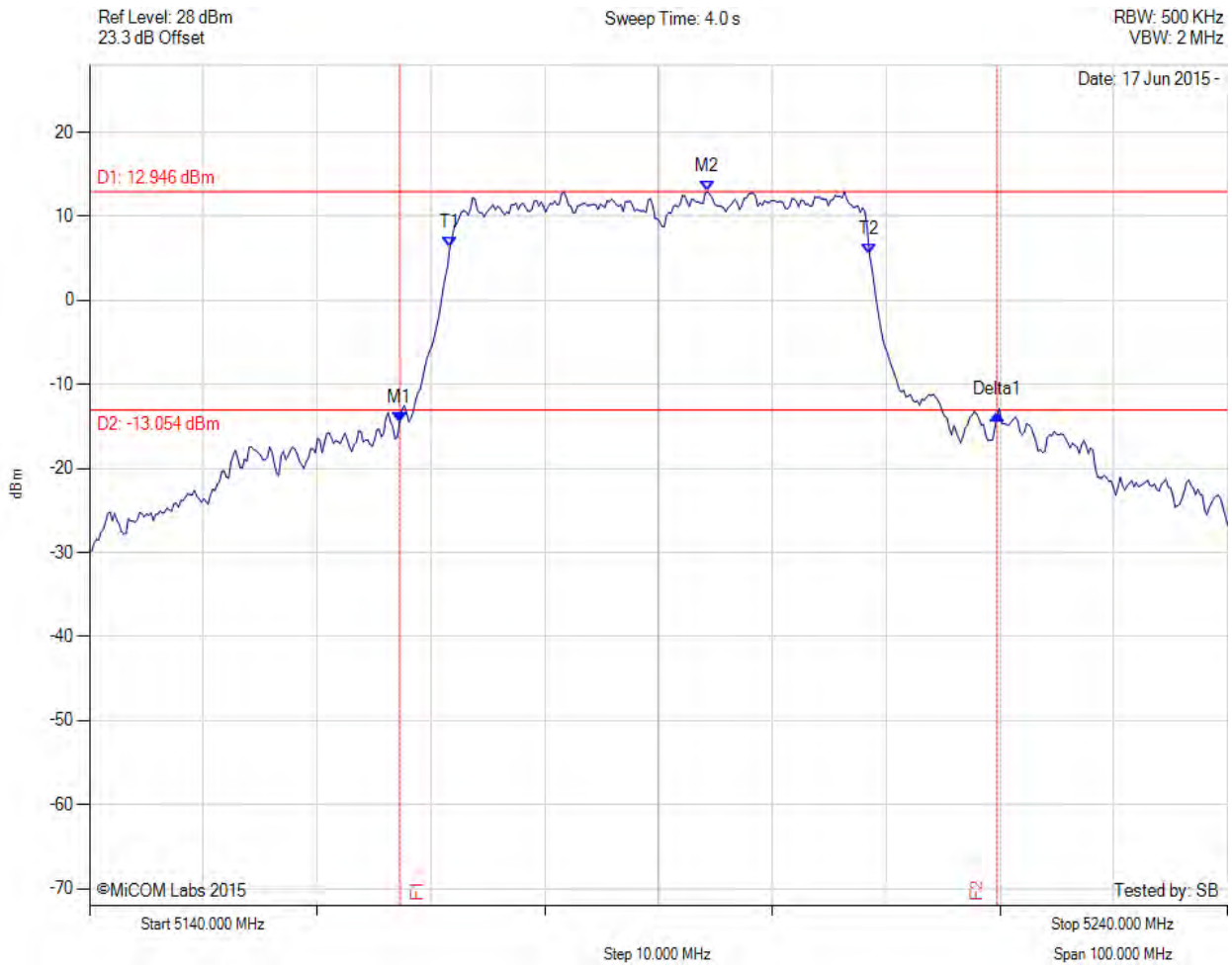
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5167.255 MHz : -14.497 dBm M2 : 5194.309 MHz : 12.946 dBm Delta1 : 52.505 MHz : 0.897 dB T1 : 5171.663 MHz : 6.375 dBm T2 : 5208.537 MHz : 5.521 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 52.505 MHz Measured 99% Bandwidth: 36.874 MHz

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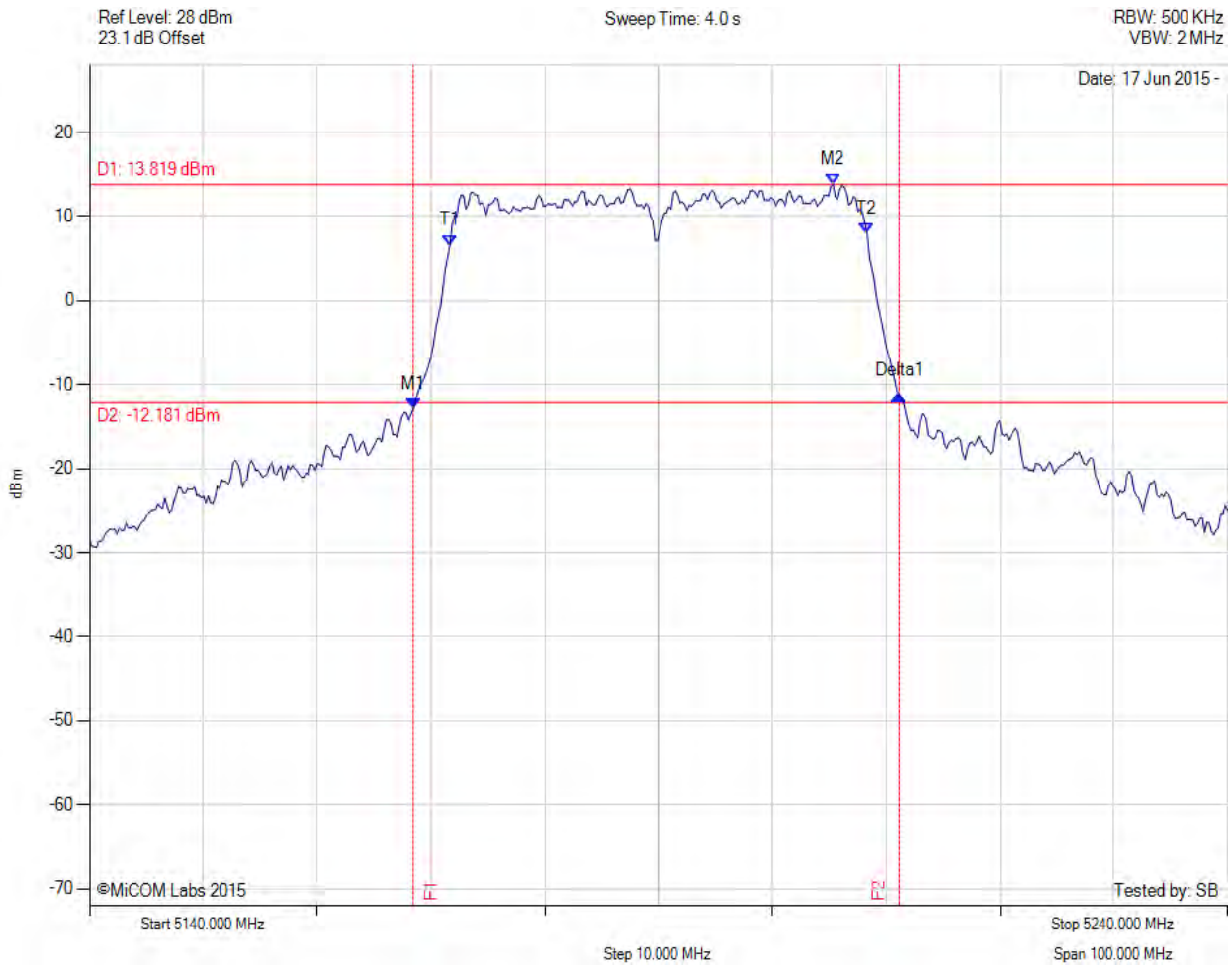
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.457 MHz : -12.895 dBm M2 : 5205.331 MHz : 13.819 dBm Delta1 : 42.685 MHz : 1.625 dB T1 : 5171.663 MHz : 6.552 dBm T2 : 5208.337 MHz : 7.976 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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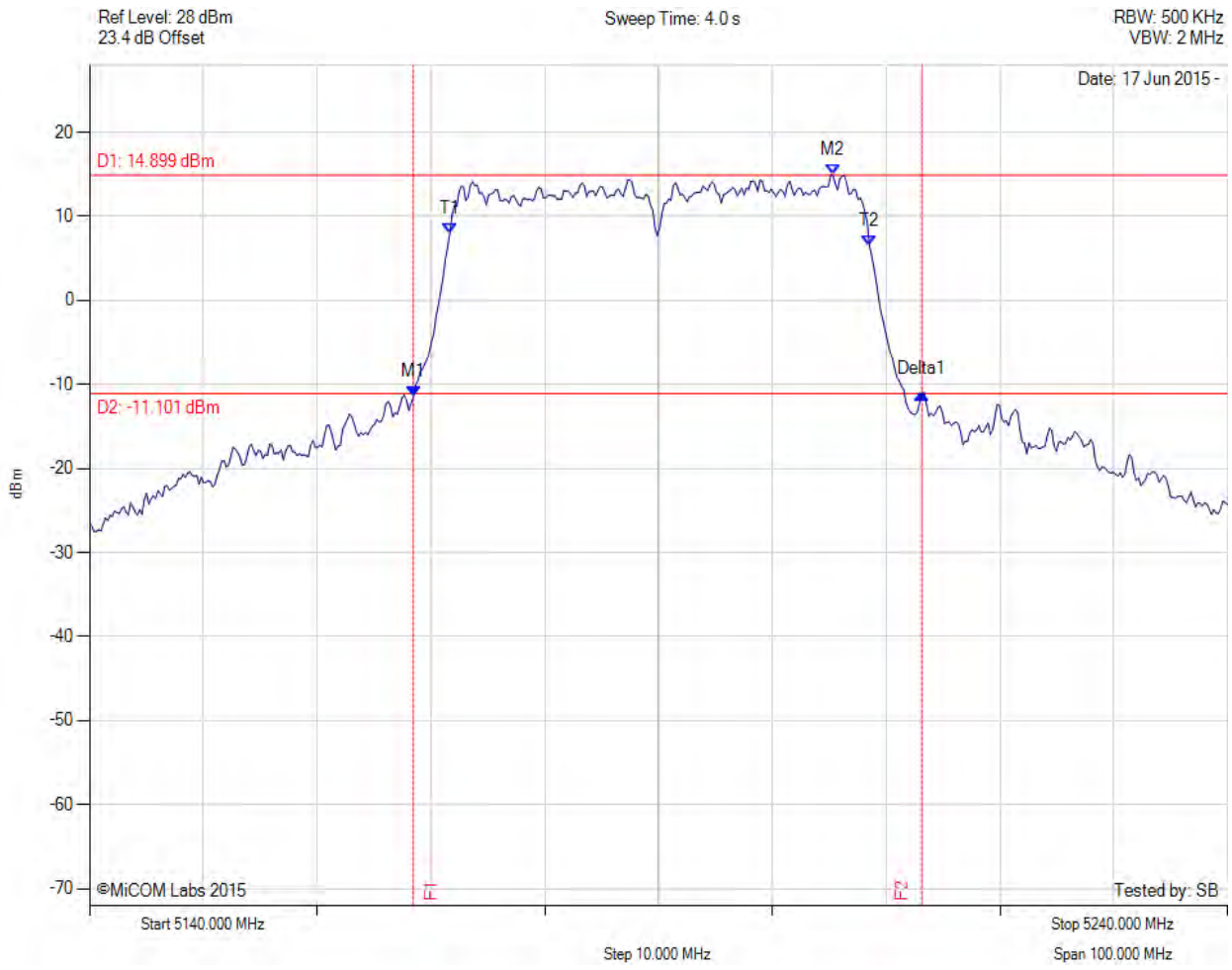
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5190.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5168.457 MHz : -11.497 dBm M2 : 5205.331 MHz : 14.899 dBm Delta1 : 44.689 MHz : 0.421 dB T1 : 5171.663 MHz : 7.988 dBm T2 : 5208.537 MHz : 6.546 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 44.689 MHz Measured 99% Bandwidth: 36.874 MHz

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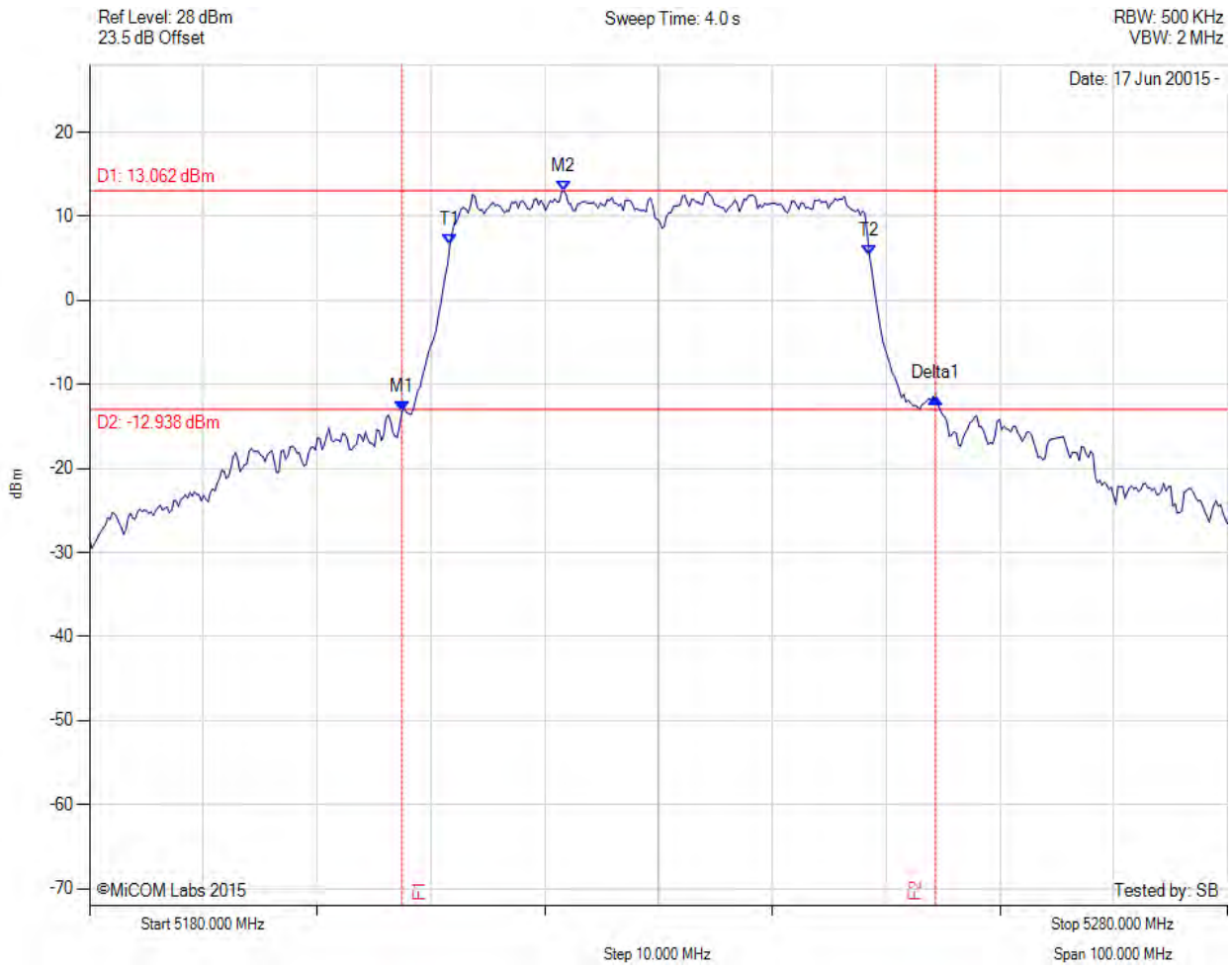
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5207.455 MHz : -13.224 dBm M2 : 5221.683 MHz : 13.062 dBm Delta1 : 46.894 MHz : 1.572 dB T1 : 5211.663 MHz : 6.646 dBm T2 : 5248.537 MHz : 5.362 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 46.894 MHz Measured 99% Bandwidth: 36.874 MHz

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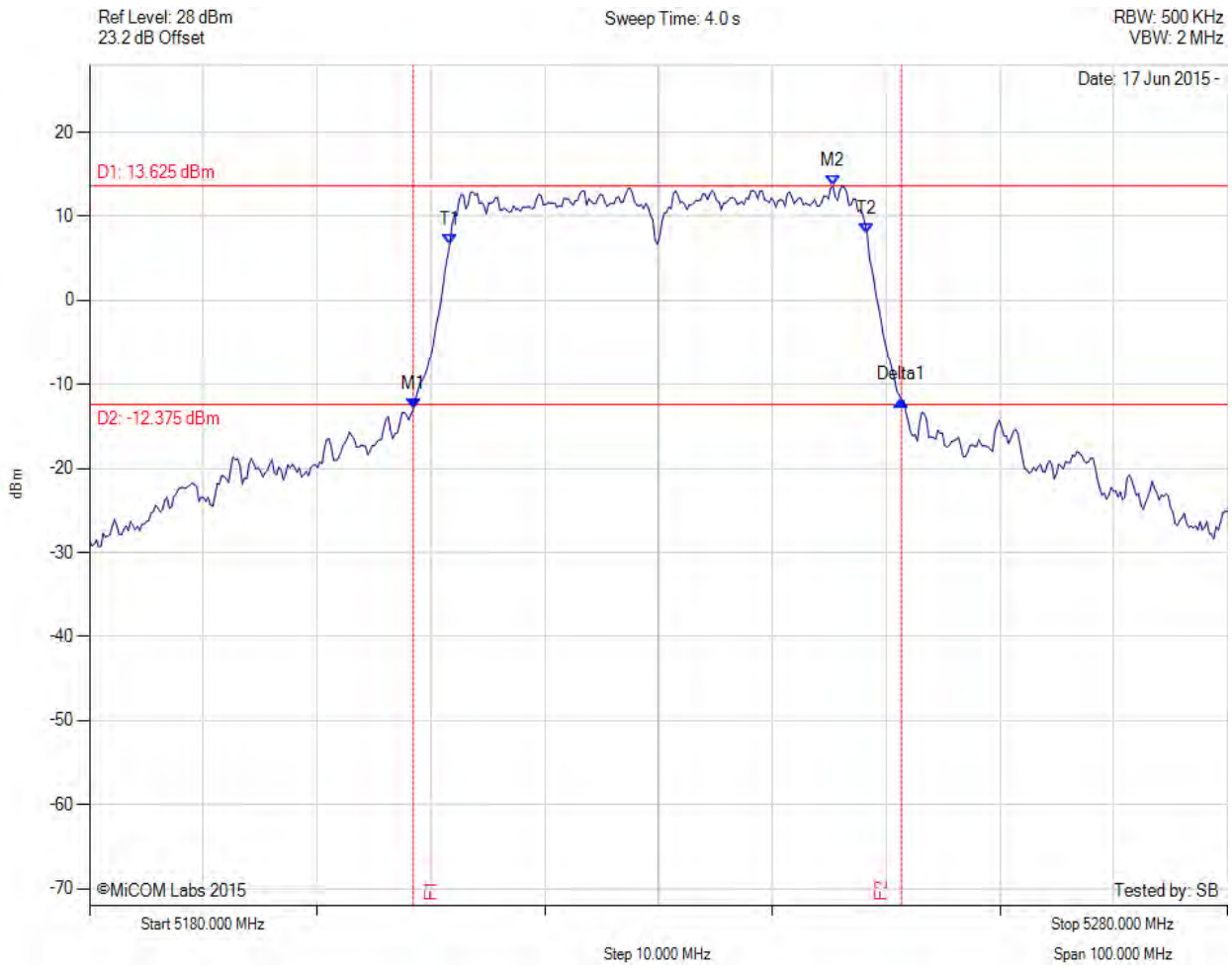
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5208.457 MHz : -12.866 dBm M2 : 5245.331 MHz : 13.625 dBm Delta1 : 42.886 MHz : 1.015 dB T1 : 5211.663 MHz : 6.684 dBm T2 : 5248.337 MHz : 7.955 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

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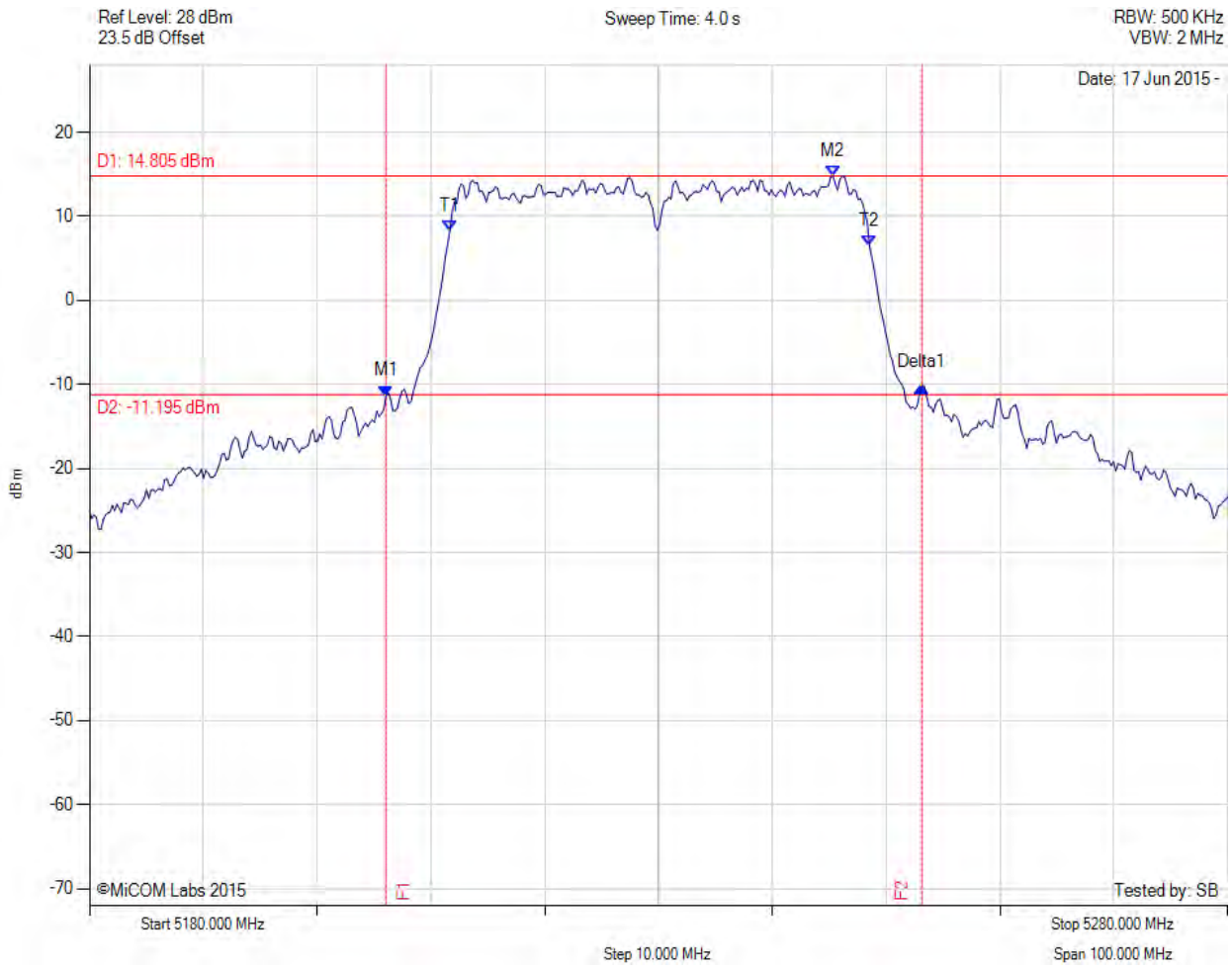
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5230.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5206.052 MHz : -11.357 dBm M2 : 5245.331 MHz : 14.805 dBm Delta1 : 47.094 MHz : 1.074 dB T1 : 5211.663 MHz : 8.340 dBm T2 : 5248.537 MHz : 6.489 dBm OBW : 36.874 MHz	Measured 26 dB Bandwidth: 47.094 MHz Measured 99% Bandwidth: 36.874 MHz

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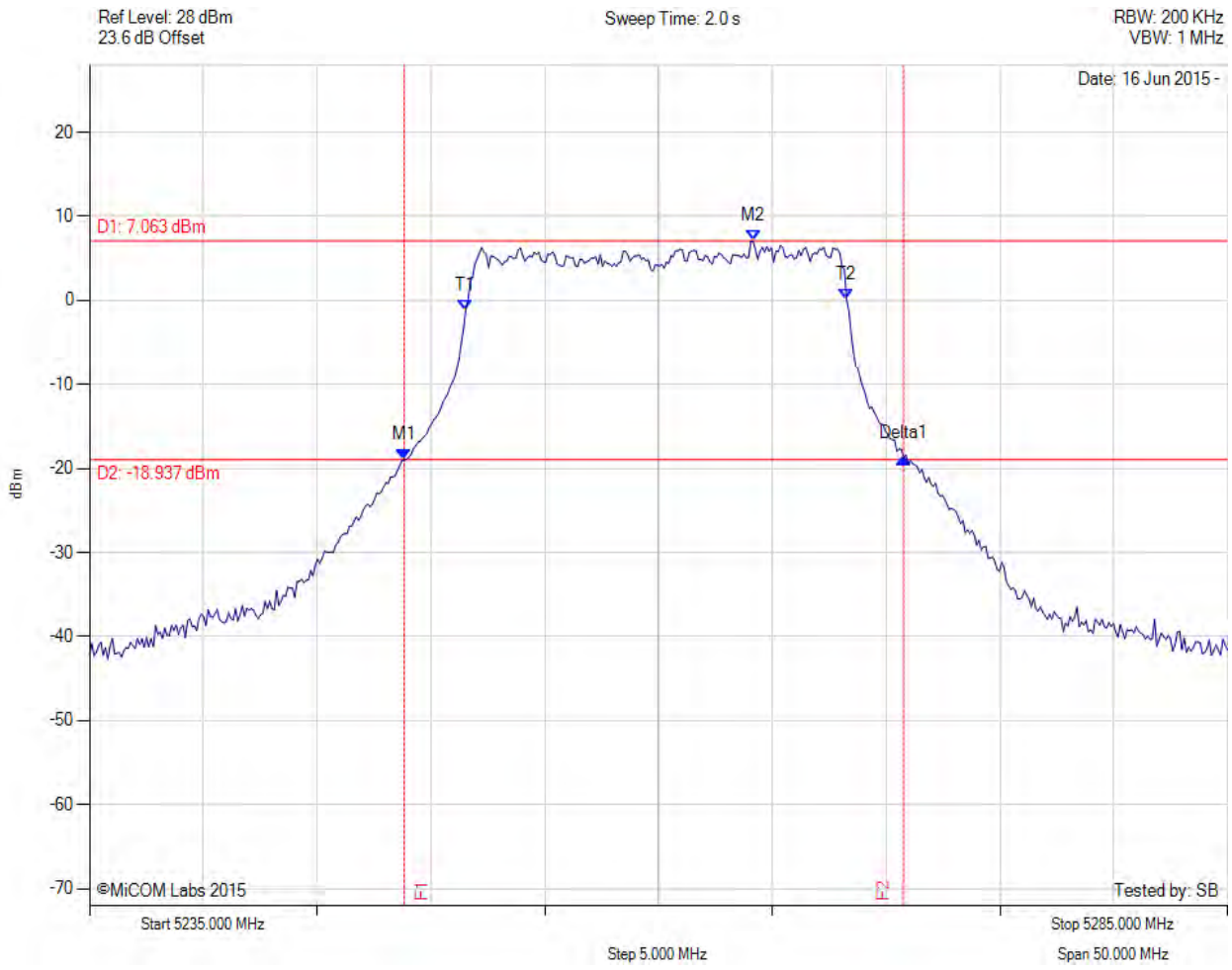
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5260.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.828 MHz : -18.994 dBm M2 : 5264.158 MHz : 7.063 dBm Delta1 : 21.944 MHz : 0.228 dB T1 : 5251.533 MHz : -1.121 dBm T2 : 5268.267 MHz : 0.081 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 21.944 MHz Measured 99% Bandwidth: 16.733 MHz

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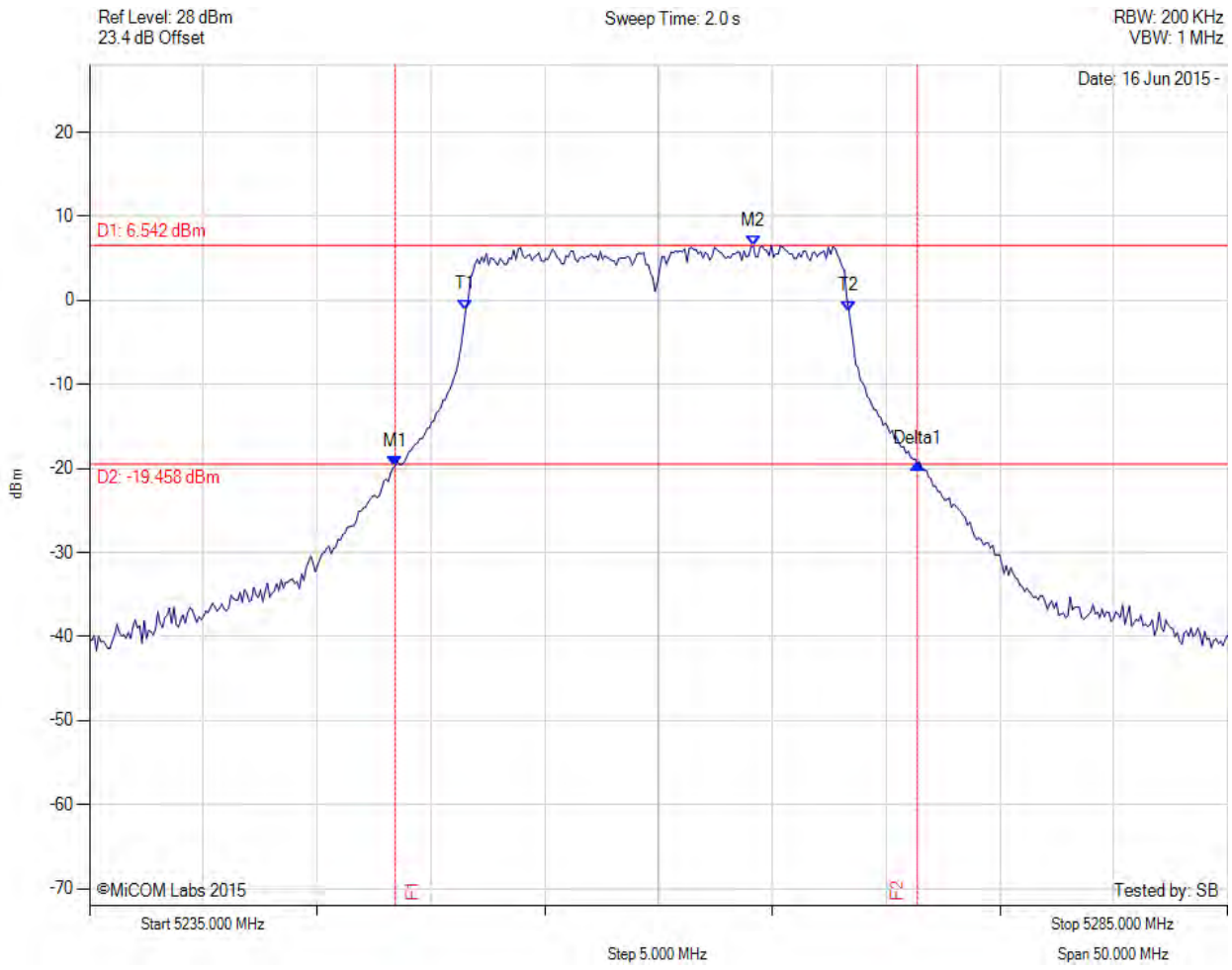
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5260.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.427 MHz : -19.718 dBm M2 : 5264.158 MHz : 6.542 dBm Delta1 : 22.946 MHz : 0.299 dB T1 : 5251.533 MHz : -1.103 dBm T2 : 5268.367 MHz : -1.253 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.946 MHz Measured 99% Bandwidth: 16.834 MHz

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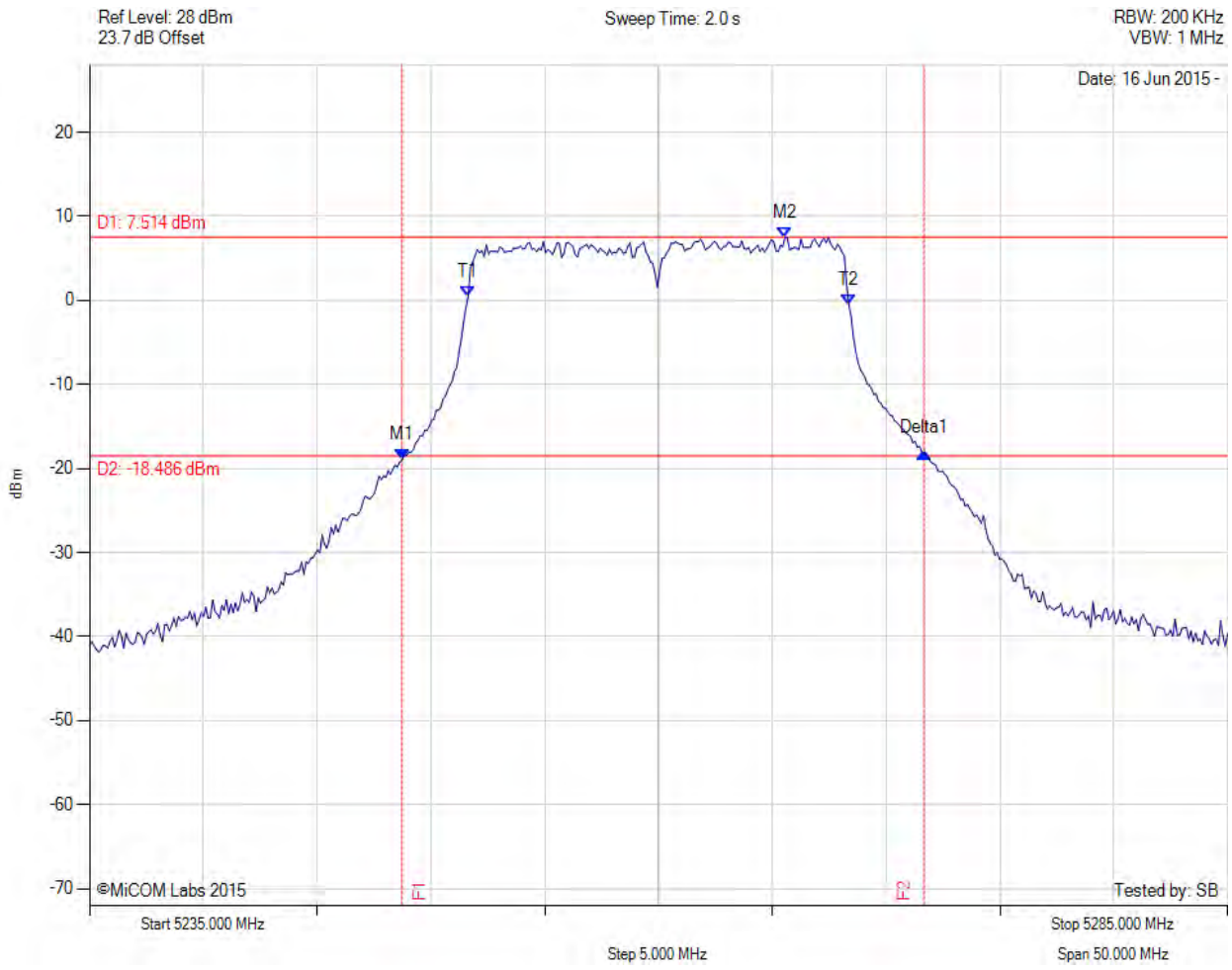
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5260.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.727 MHz : -18.977 dBm M2 : 5265.561 MHz : 7.514 dBm Delta1 : 22.946 MHz : 0.805 dB T1 : 5251.633 MHz : 0.451 dBm T2 : 5268.367 MHz : -0.560 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 22.946 MHz Measured 99% Bandwidth: 16.733 MHz

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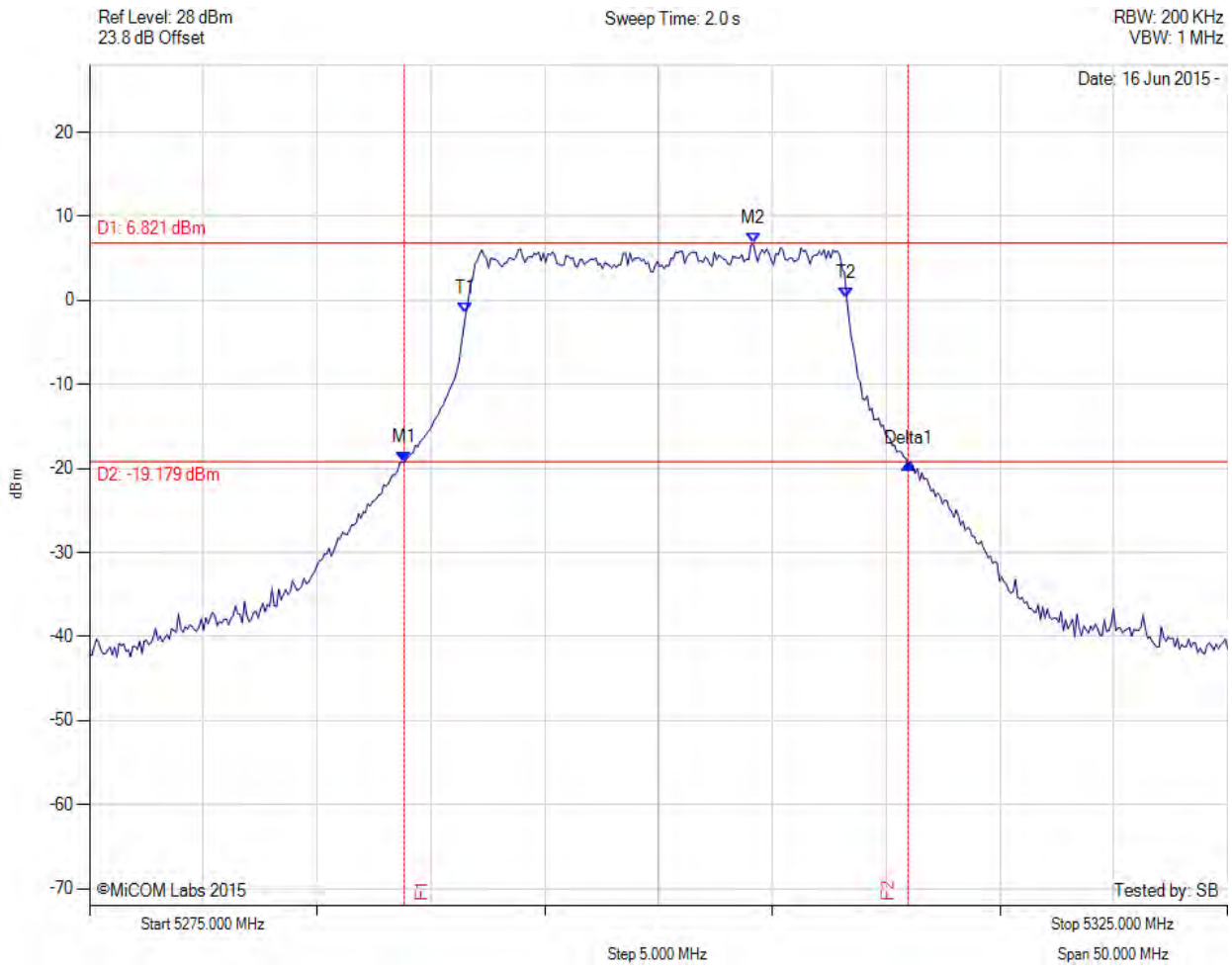
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.828 MHz : -19.317 dBm M2 : 5304.158 MHz : 6.821 dBm Delta1 : 22.144 MHz : -0.175 dB T1 : 5291.533 MHz : -1.548 dBm T2 : 5308.267 MHz : 0.353 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 22.144 MHz Measured 99% Bandwidth: 16.733 MHz

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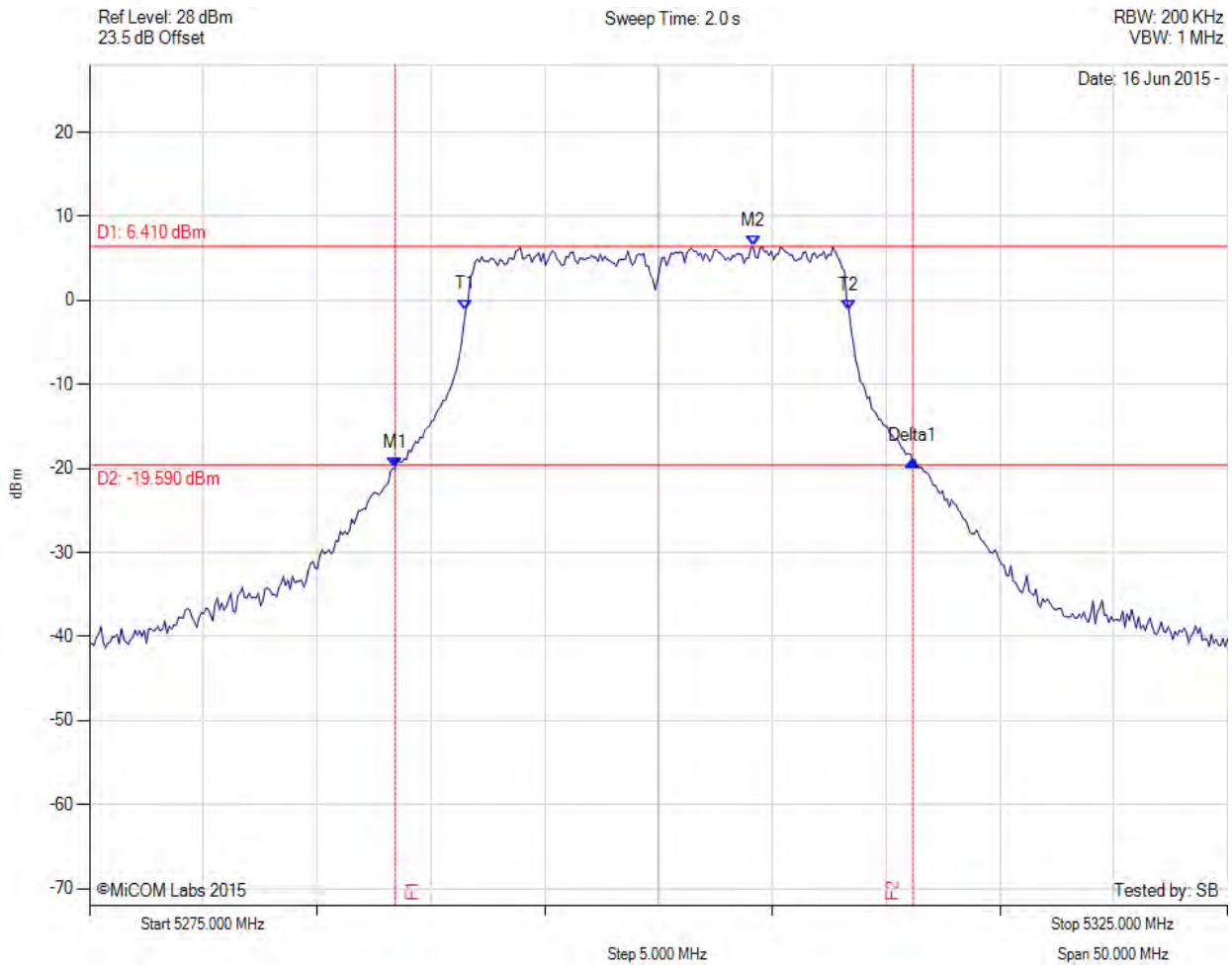
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 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 : -19.970 dBm M2 : 5304.158 MHz : 6.410 dBm Delta1 : 22.745 MHz : 0.856 dB T1 : 5291.533 MHz : -1.095 dBm T2 : 5308.367 MHz : -1.156 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.745 MHz Measured 99% Bandwidth: 16.834 MHz

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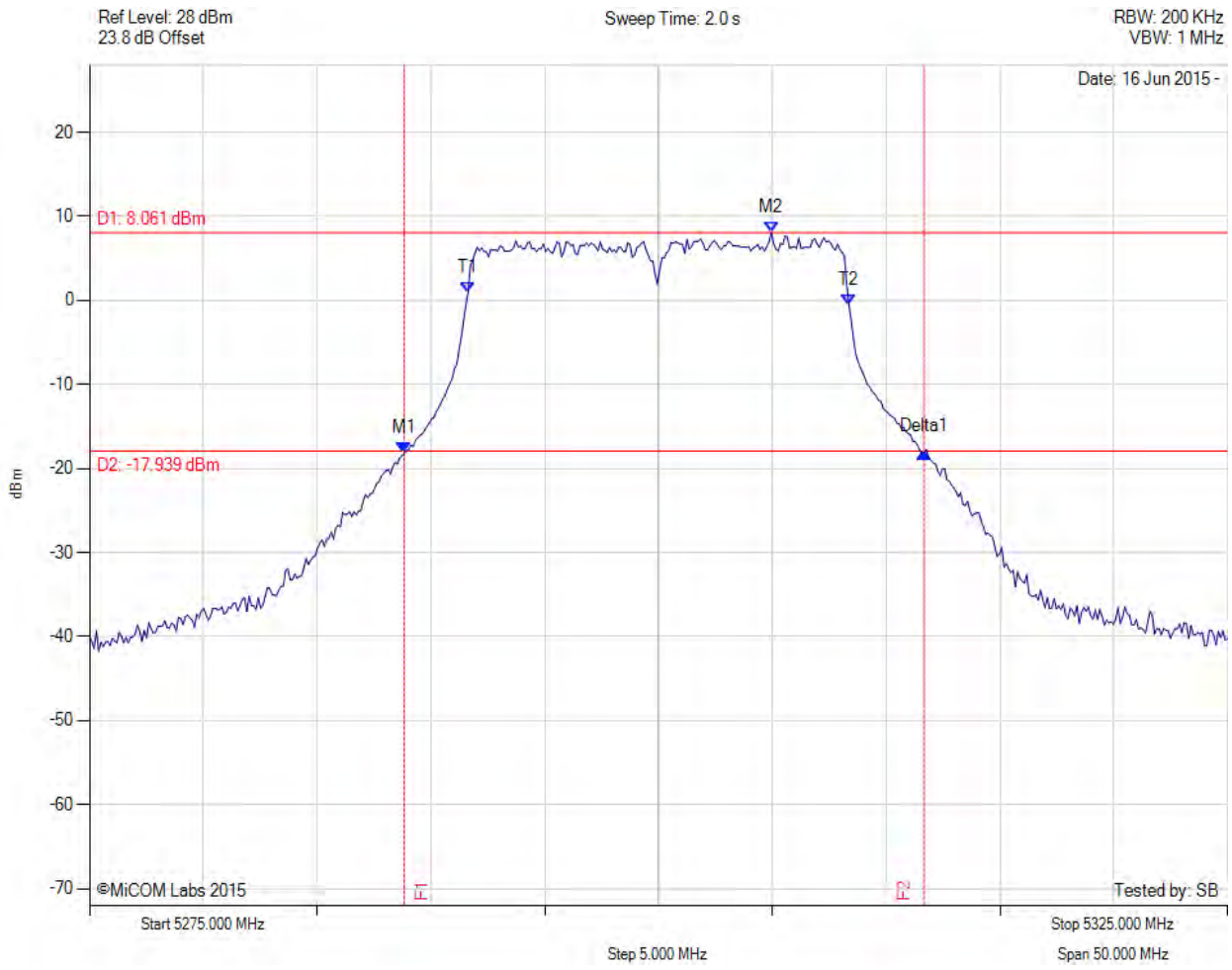
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5300.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.828 MHz : -18.178 dBm M2 : 5304.960 MHz : 8.061 dBm Delta1 : 22.846 MHz : 0.136 dB T1 : 5291.633 MHz : 0.969 dBm T2 : 5308.367 MHz : -0.546 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 16.733 MHz

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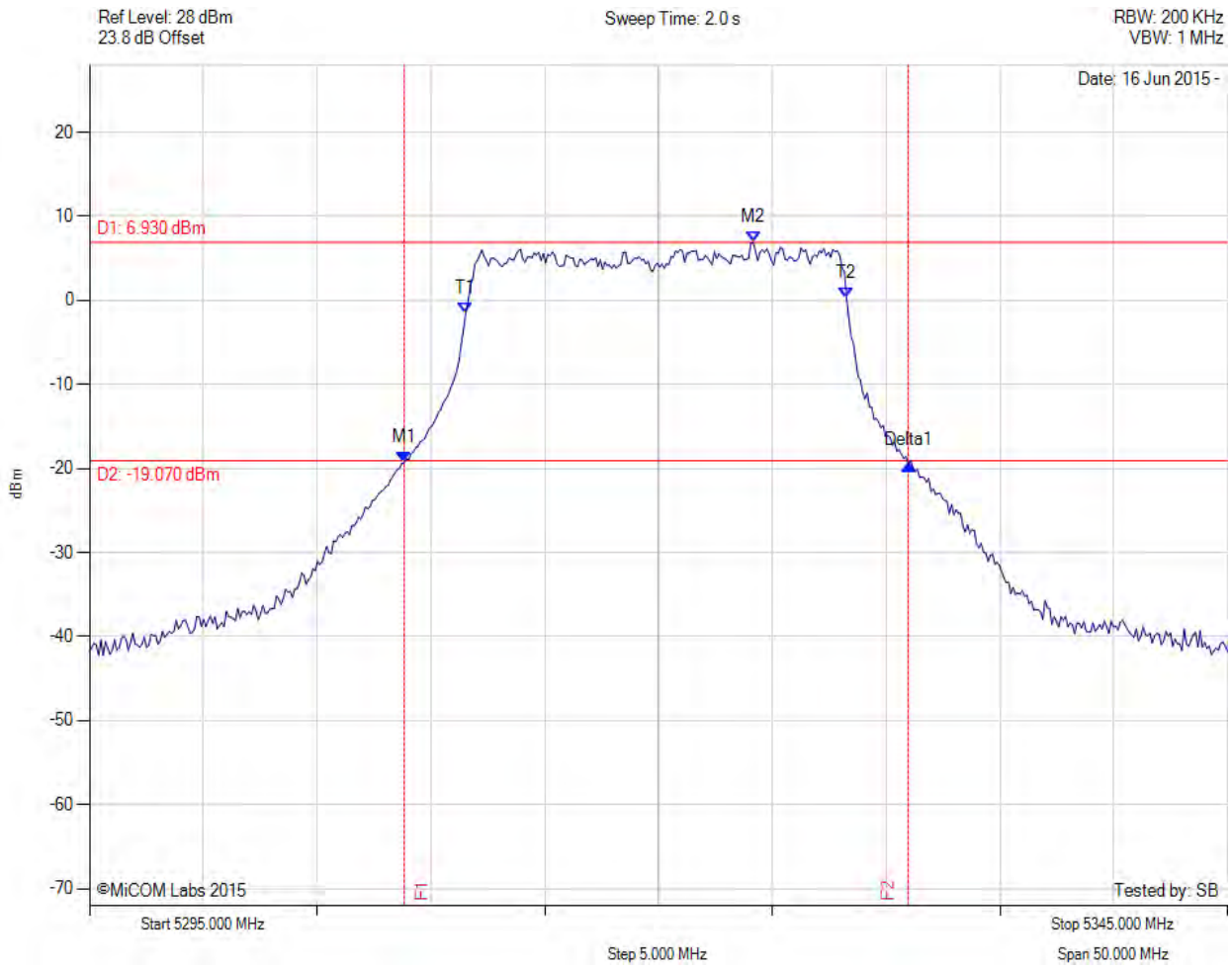
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5320.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.828 MHz : -19.327 dBm M2 : 5324.158 MHz : 6.930 dBm Delta1 : 22.144 MHz : -0.205 dB T1 : 5311.533 MHz : -1.473 dBm T2 : 5328.267 MHz : 0.227 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 22.144 MHz Measured 99% Bandwidth: 16.733 MHz

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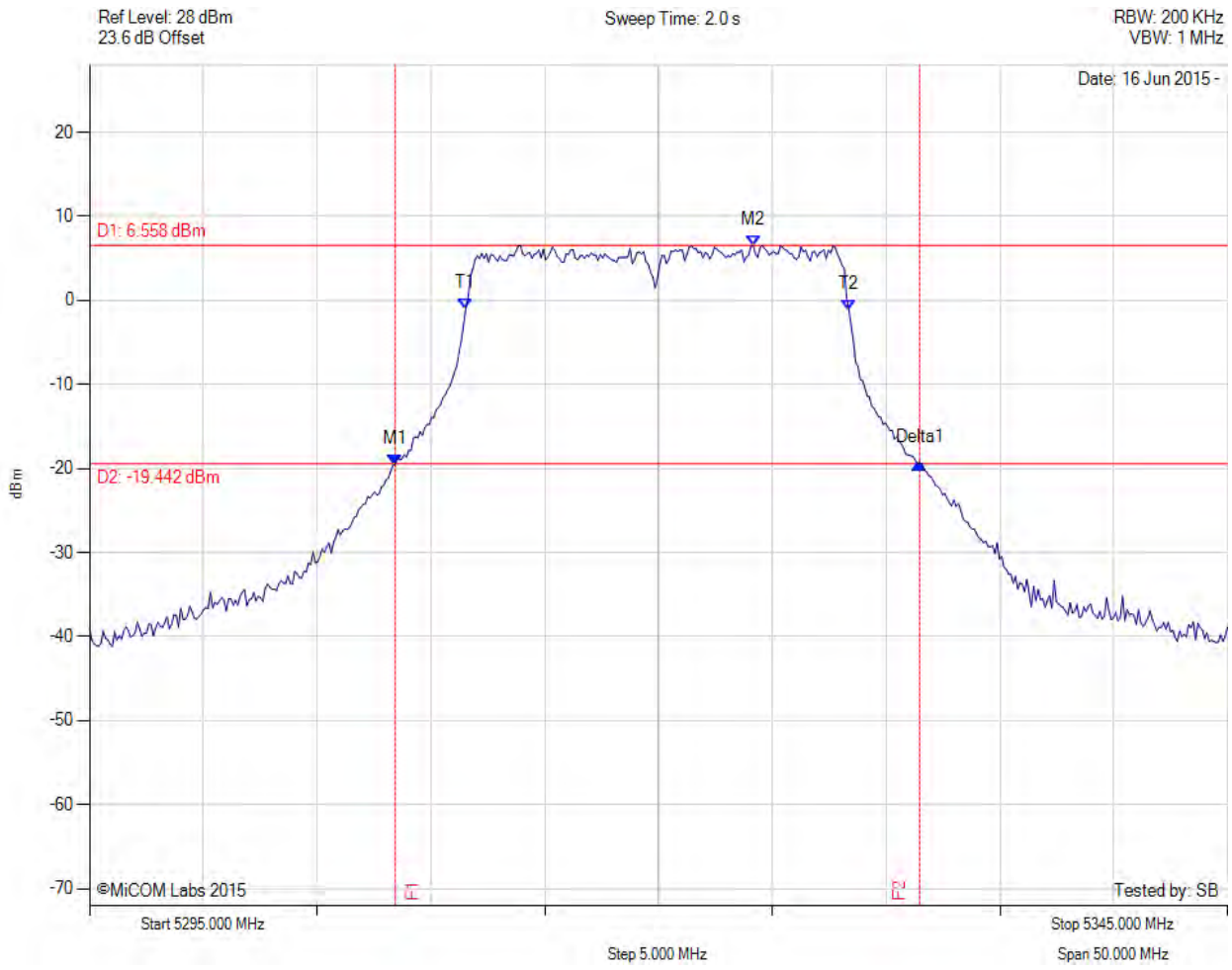
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5320.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.427 MHz : -19.494 dBm M2 : 5324.158 MHz : 6.558 dBm Delta1 : 23.046 MHz : 0.159 dB T1 : 5311.533 MHz : -0.940 dBm T2 : 5328.367 MHz : -1.089 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.046 MHz Measured 99% Bandwidth: 16.834 MHz

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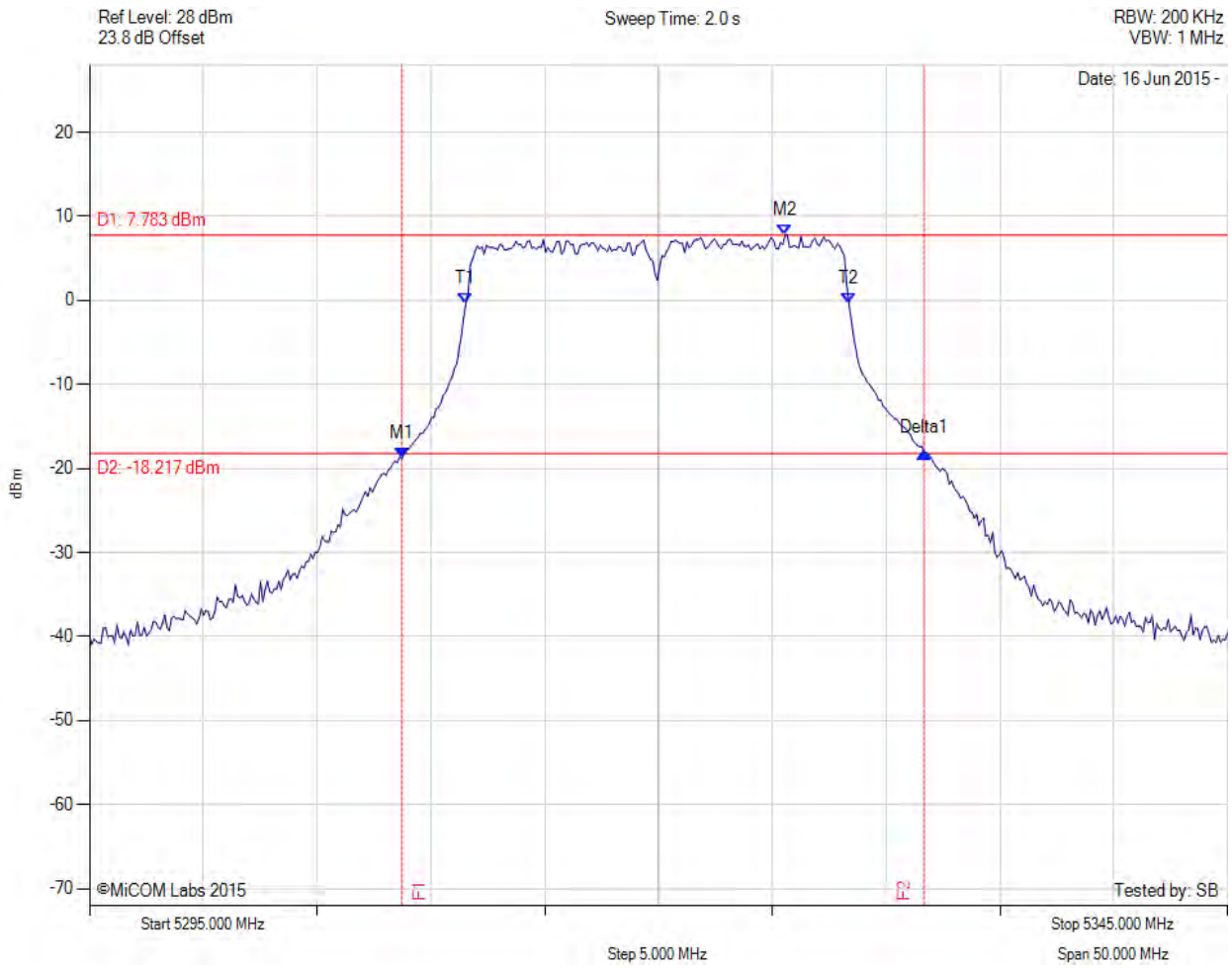
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5320.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.727 MHz : -18.776 dBm M2 : 5325.561 MHz : 7.783 dBm Delta1 : 22.946 MHz : 0.669 dB T1 : 5311.533 MHz : -0.424 dBm T2 : 5328.367 MHz : -0.411 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.946 MHz Measured 99% Bandwidth: 16.834 MHz

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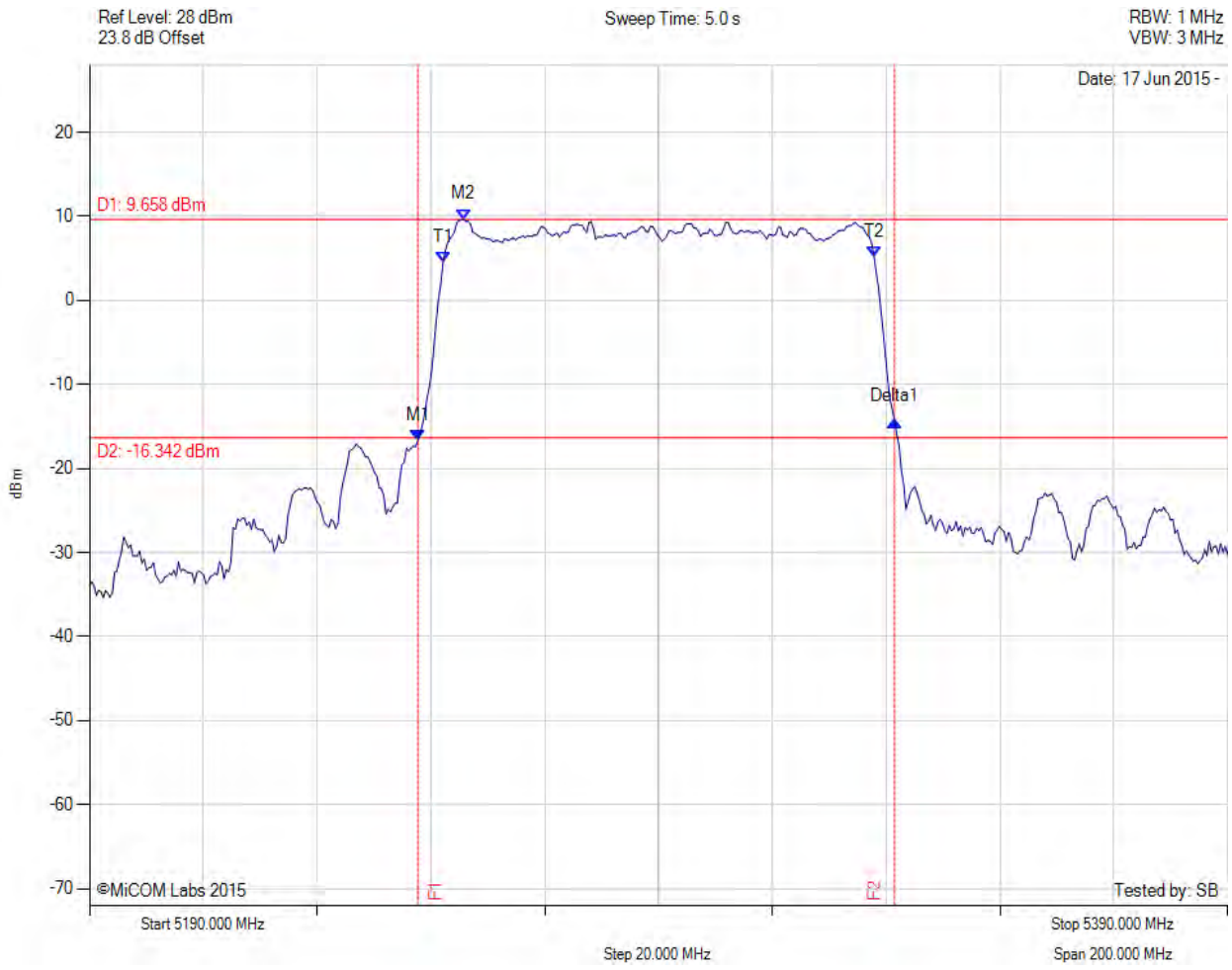
This test report may be reproduced in full only. The document may only be updated by MiCOM Labs personnel. All changes will be noted in the Document History section of the report.

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.715 MHz : -16.647 dBm M2 : 5255.731 MHz : 9.658 dBm Delta1 : 83.768 MHz : 2.296 dB T1 : 5252.124 MHz : 4.478 dBm T2 : 5327.876 MHz : 5.220 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.768 MHz Measured 99% Bandwidth: 75.752 MHz

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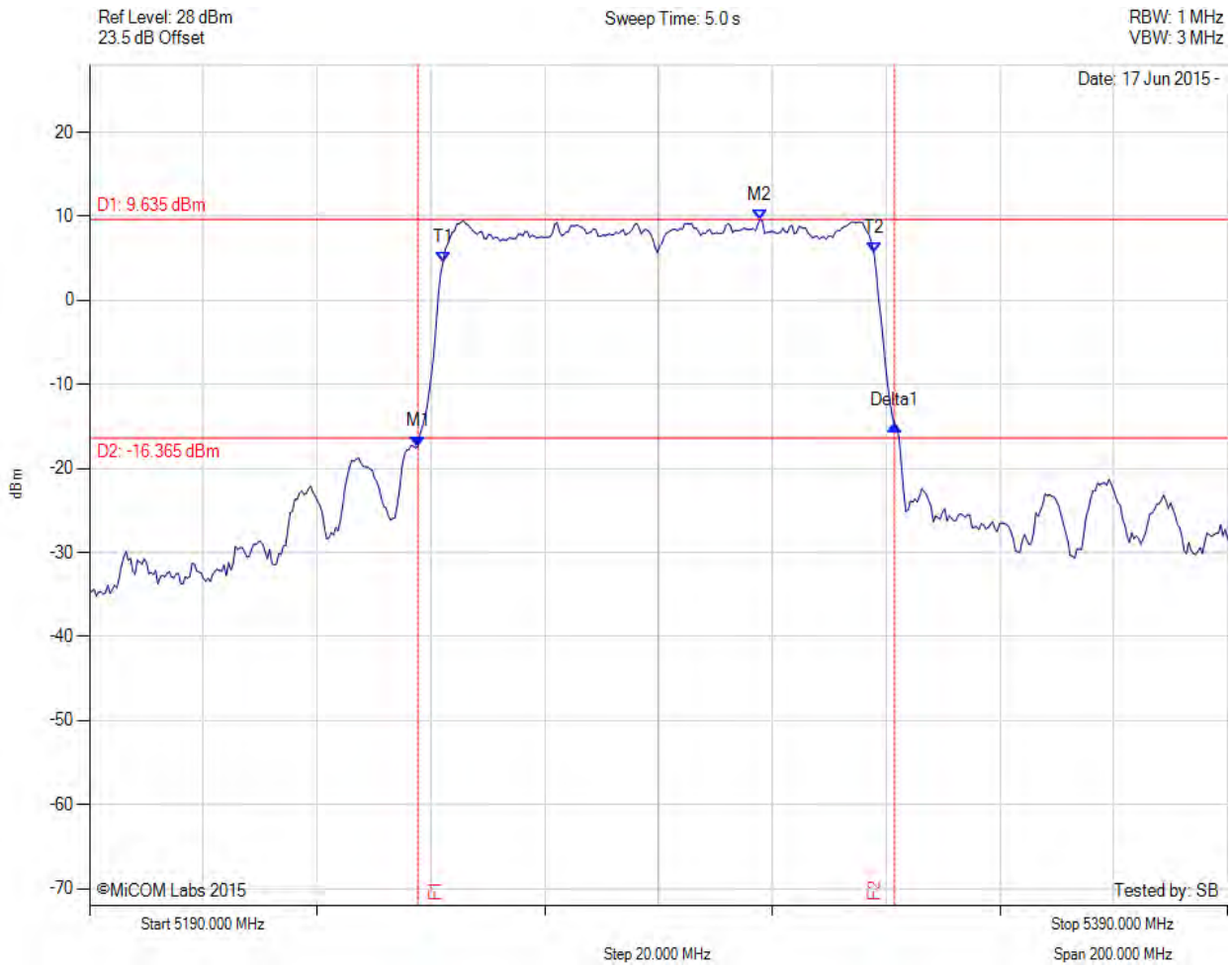
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

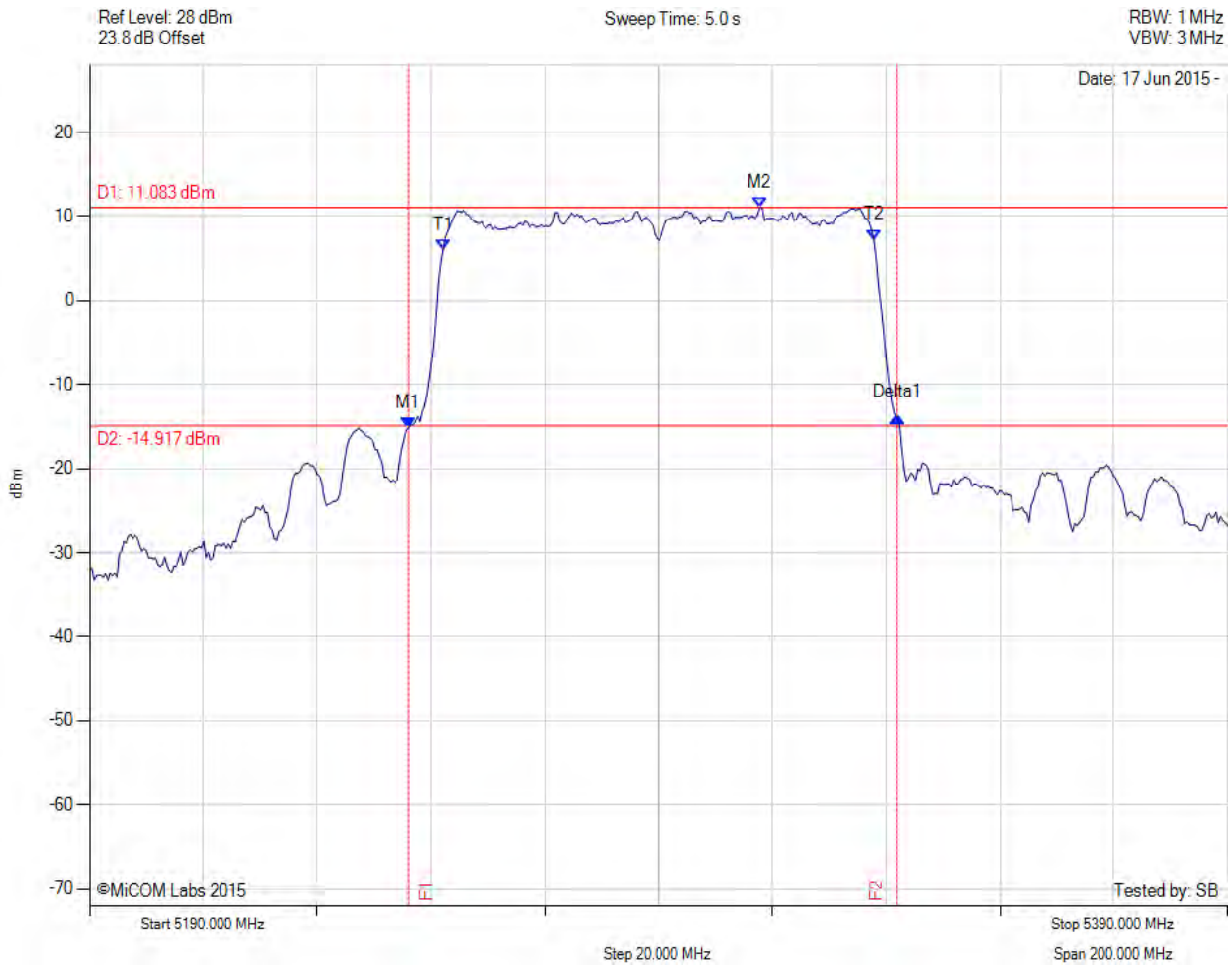


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5247.715 MHz : -17.385 dBm M2 : 5307.836 MHz : 9.635 dBm Delta1 : 83.768 MHz : 2.550 dB T1 : 5252.124 MHz : 4.527 dBm T2 : 5327.876 MHz : 5.619 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.768 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5290.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

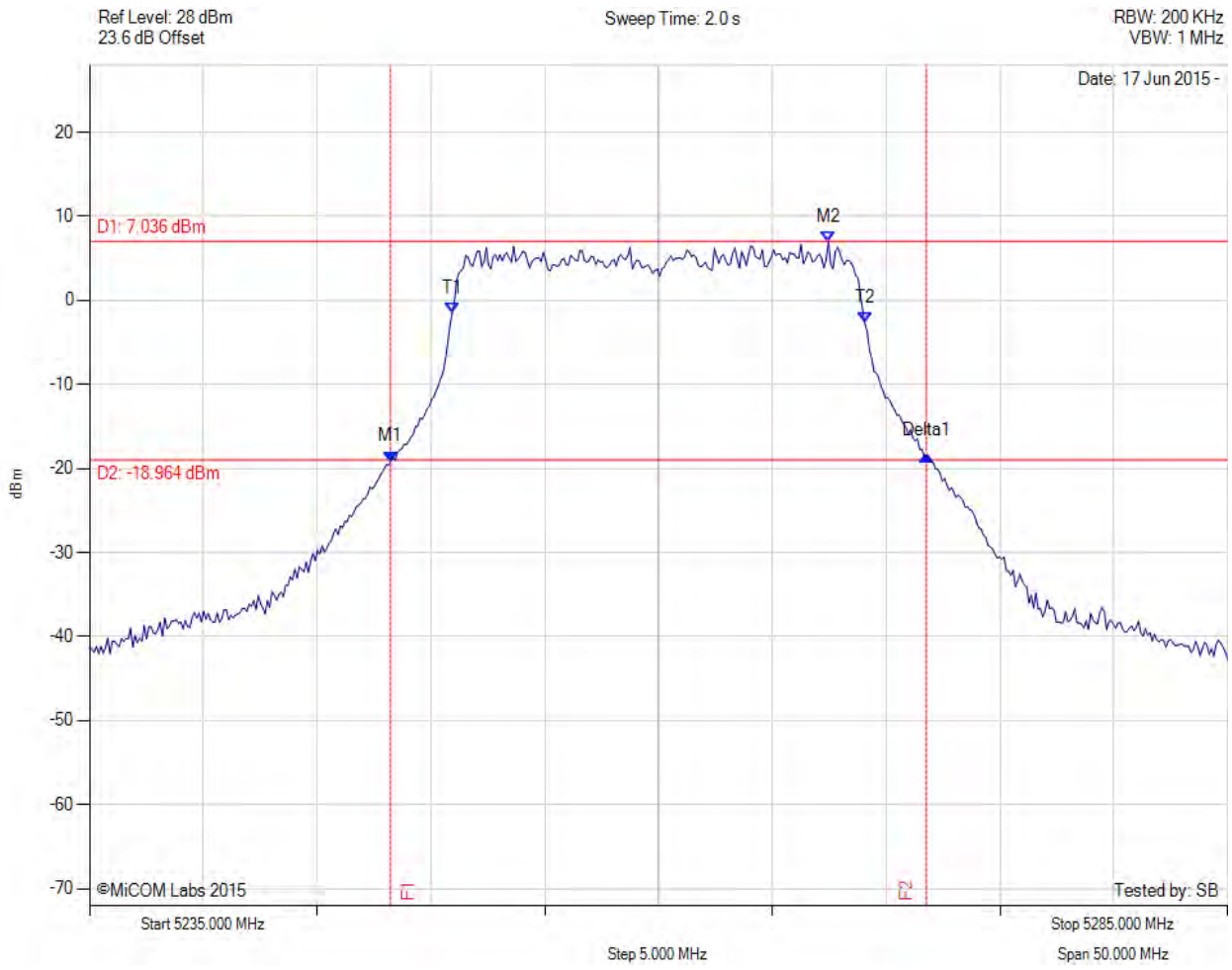


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5246.112 MHz : -15.233 dBm M2 : 5307.836 MHz : 11.083 dBm Delta1 : 85.772 MHz : 1.328 dB T1 : 5252.124 MHz : 5.970 dBm T2 : 5327.876 MHz : 7.205 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 85.772 MHz Measured 99% Bandwidth: 75.752 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

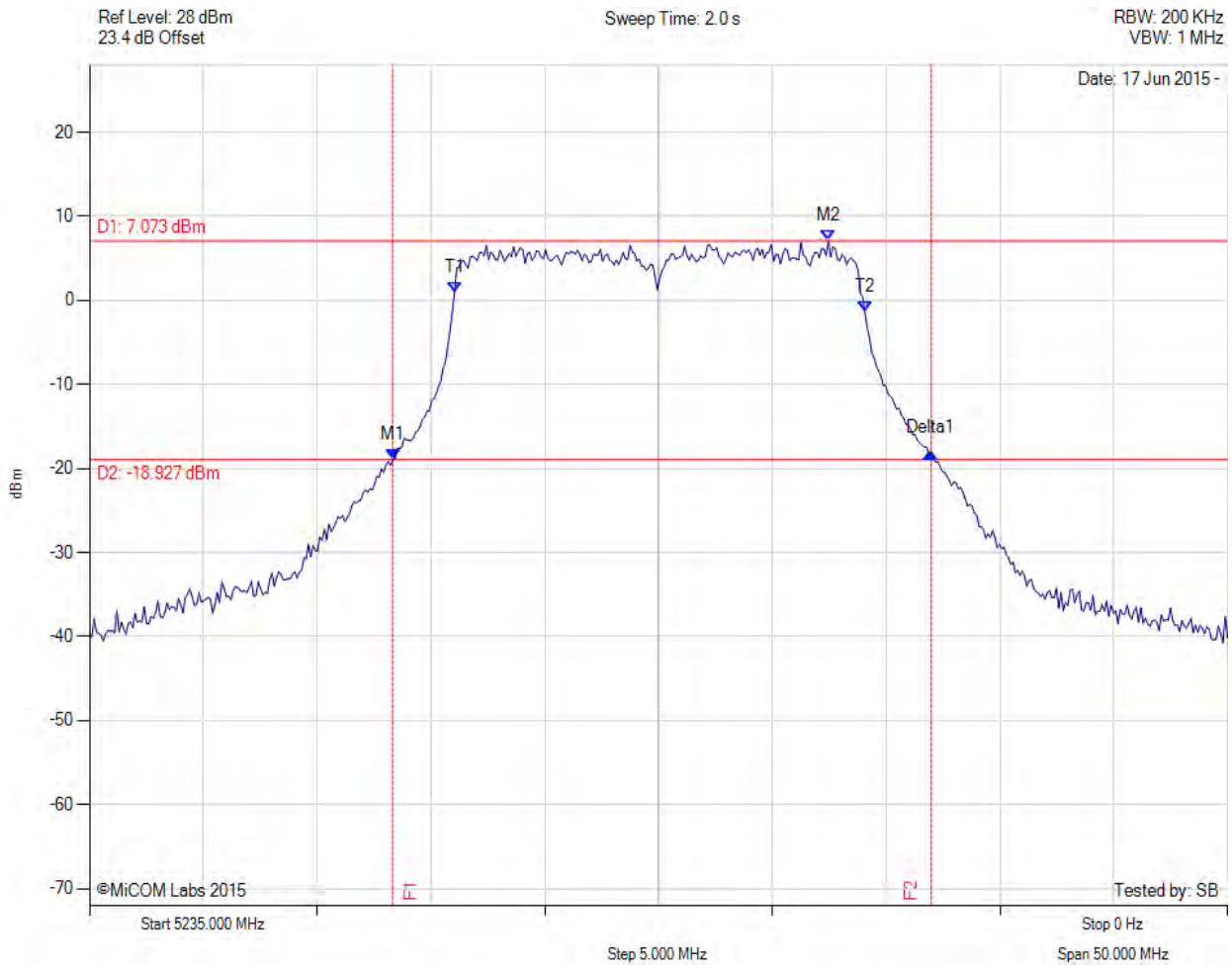


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.226 MHz : -19.173 dBm M2 : 5267.465 MHz : 7.036 dBm Delta1 : 23.547 MHz : 0.683 dB T1 : 5250.932 MHz : -1.508 dBm T2 : 5269.068 MHz : -2.708 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 18.136 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

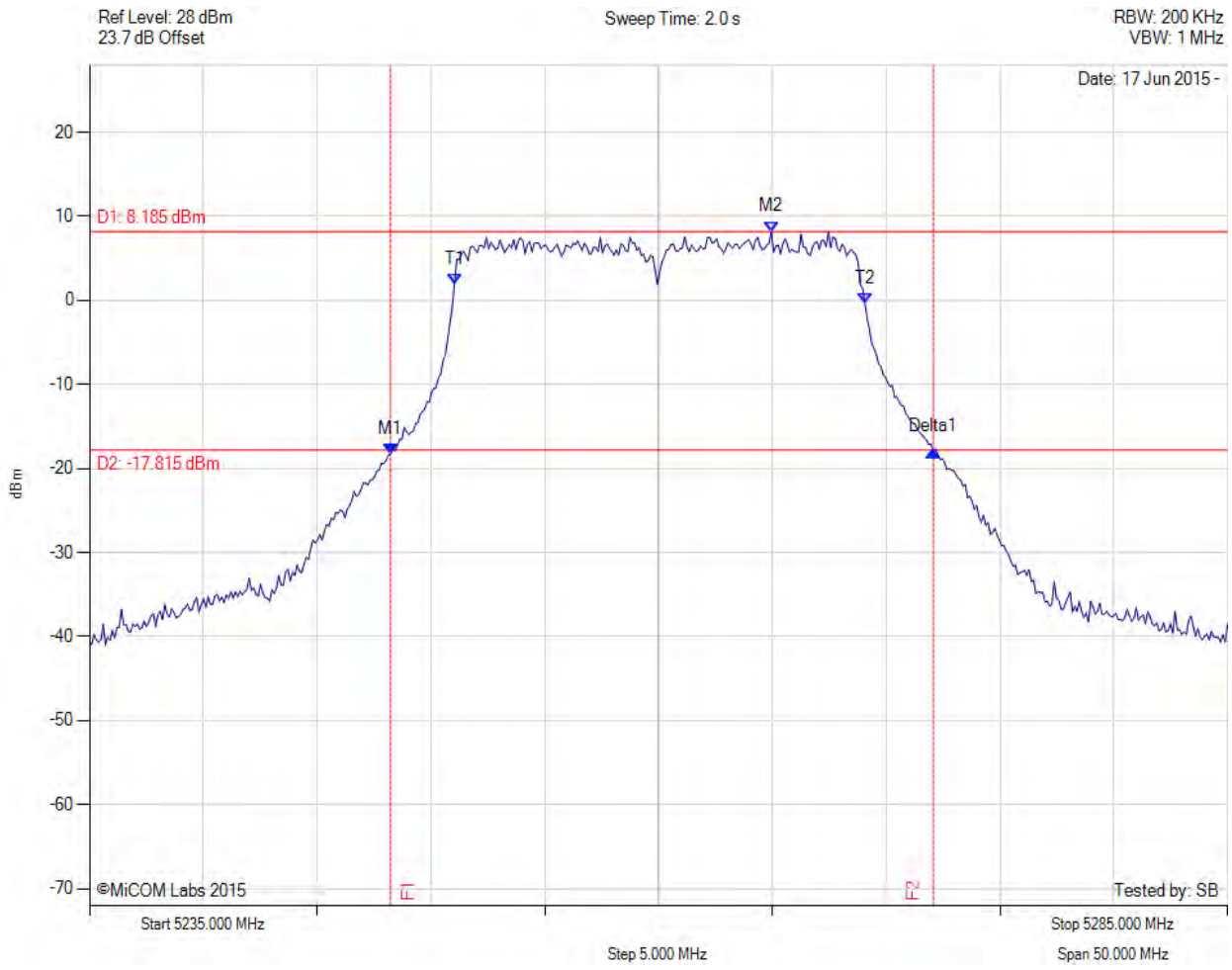


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.327 MHz : -19.000 dBm M2 : 5267.465 MHz : 7.073 dBm Delta1 : 23.647 MHz : 0.946 dB T1 : 5251.032 MHz : 0.898 dBm T2 : 5269.068 MHz : -1.357 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.647 MHz Measured 99% Bandwidth: 18.036 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5260.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

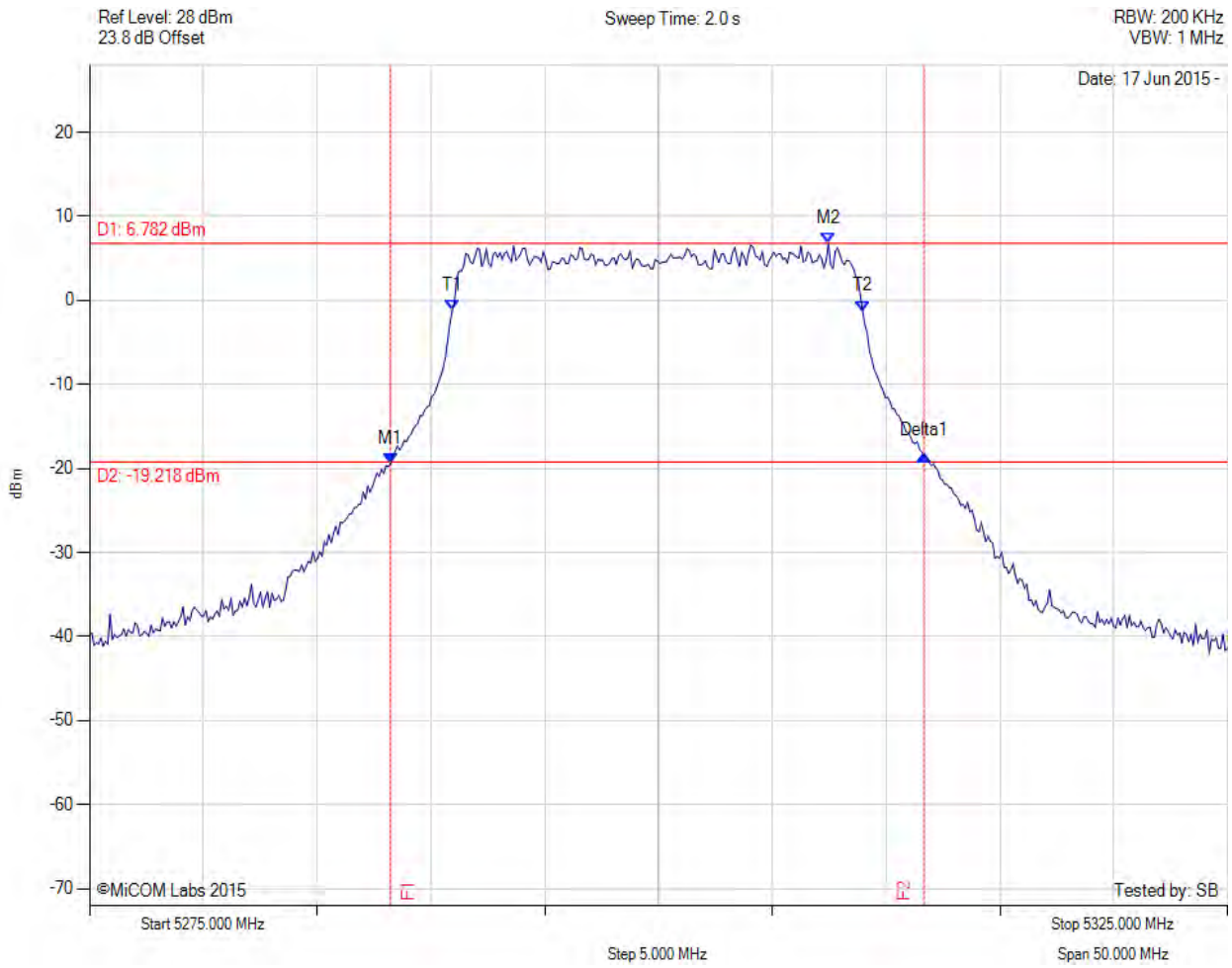


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.226 MHz : -18.272 dBm M2 : 5264.960 MHz : 8.185 dBm Delta1 : 23.848 MHz : 0.327 dB T1 : 5251.032 MHz : 1.986 dBm T2 : 5269.068 MHz : -0.318 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.848 MHz Measured 99% Bandwidth: 18.036 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

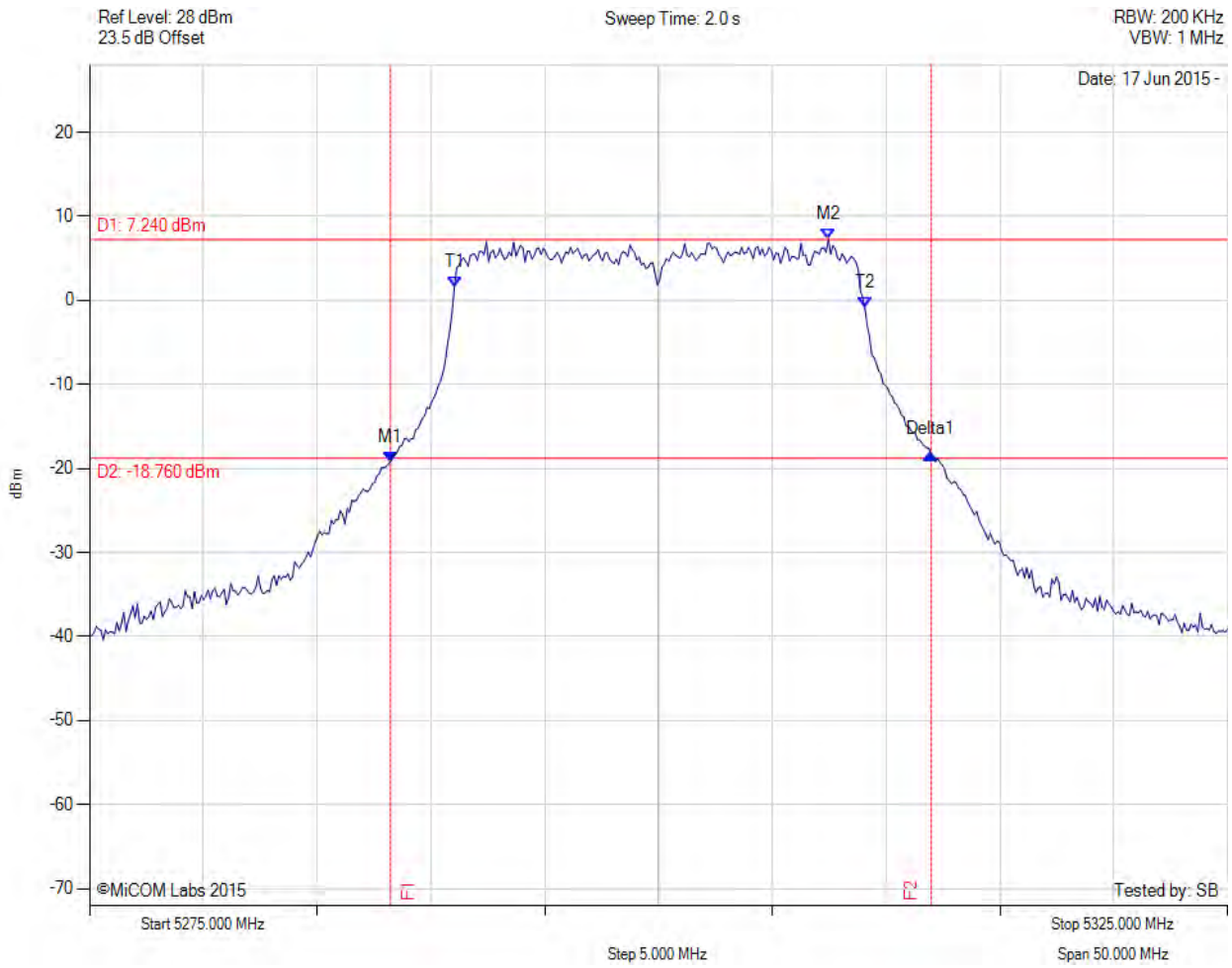


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.226 MHz : -19.429 dBm M2 : 5307.465 MHz : 6.782 dBm Delta1 : 23.447 MHz : 0.970 dB T1 : 5290.932 MHz : -1.235 dBm T2 : 5308.968 MHz : -1.257 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.447 MHz Measured 99% Bandwidth: 18.036 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

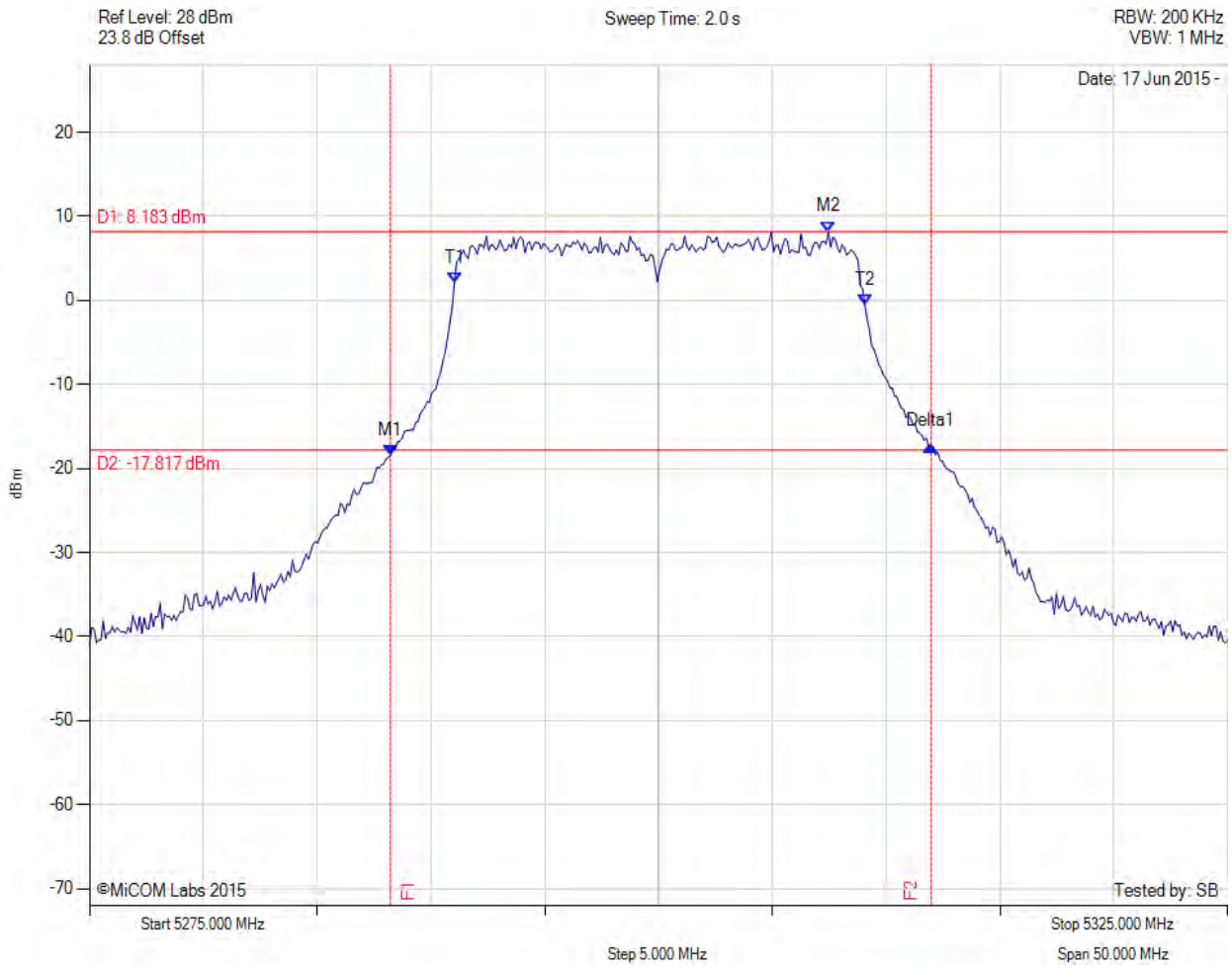


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.226 MHz : -19.215 dBm M2 : 5307.465 MHz : 7.240 dBm Delta1 : 23.747 MHz : 0.946 dB T1 : 5291.032 MHz : 1.663 dBm T2 : 5309.068 MHz : -0.910 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.036 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5300.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

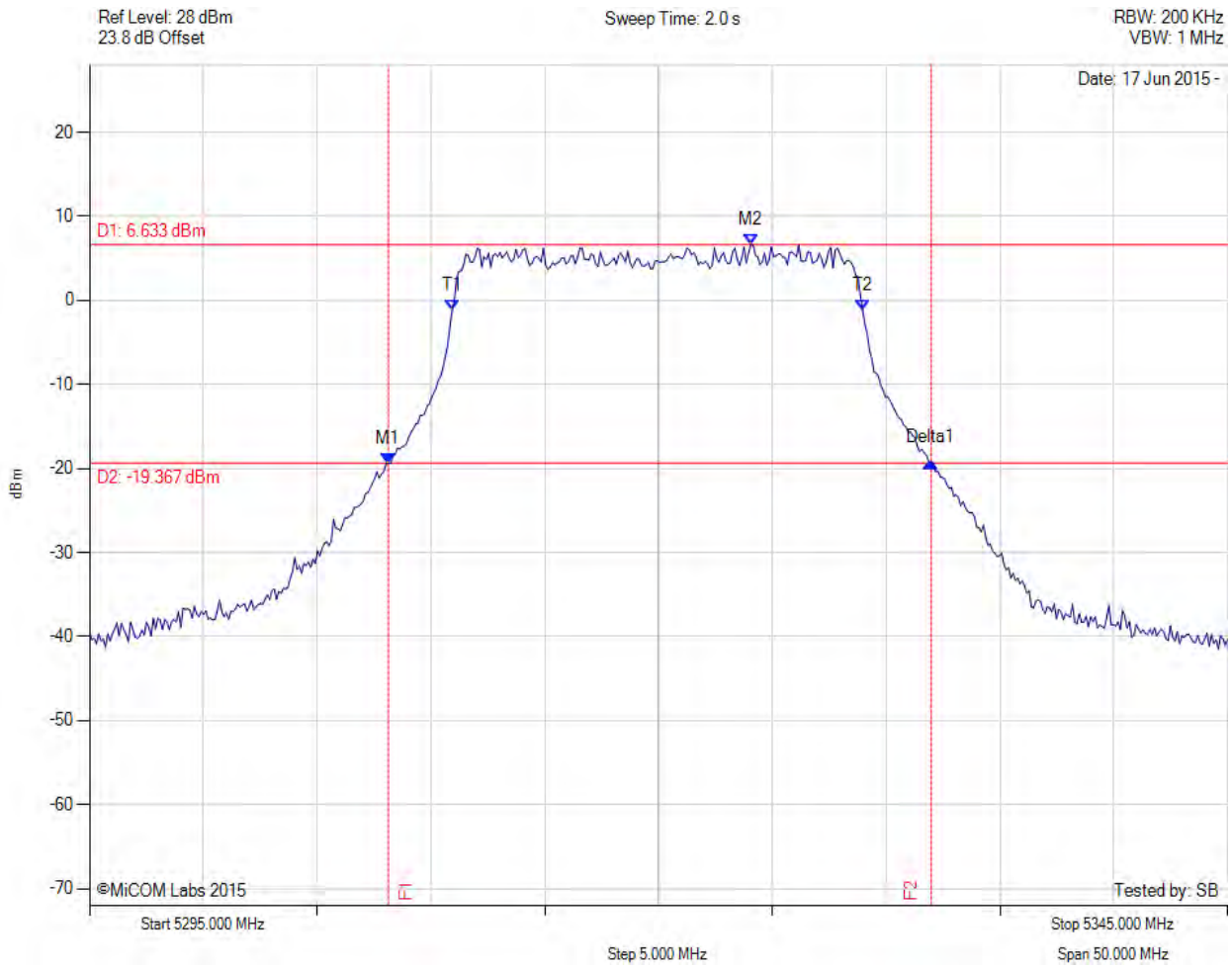


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.226 MHz : -18.449 dBm M2 : 5307.465 MHz : 8.183 dBm Delta1 : 23.747 MHz : 1.088 dB T1 : 5291.032 MHz : 2.088 dBm T2 : 5309.068 MHz : -0.509 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.036 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.126 MHz : -19.396 dBm M2 : 5324.058 MHz : 6.633 dBm Delta1 : 23.848 MHz : 0.087 dB T1 : 5310.932 MHz : -1.196 dBm T2 : 5328.968 MHz : -1.172 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.848 MHz Measured 99% Bandwidth: 18.036 MHz

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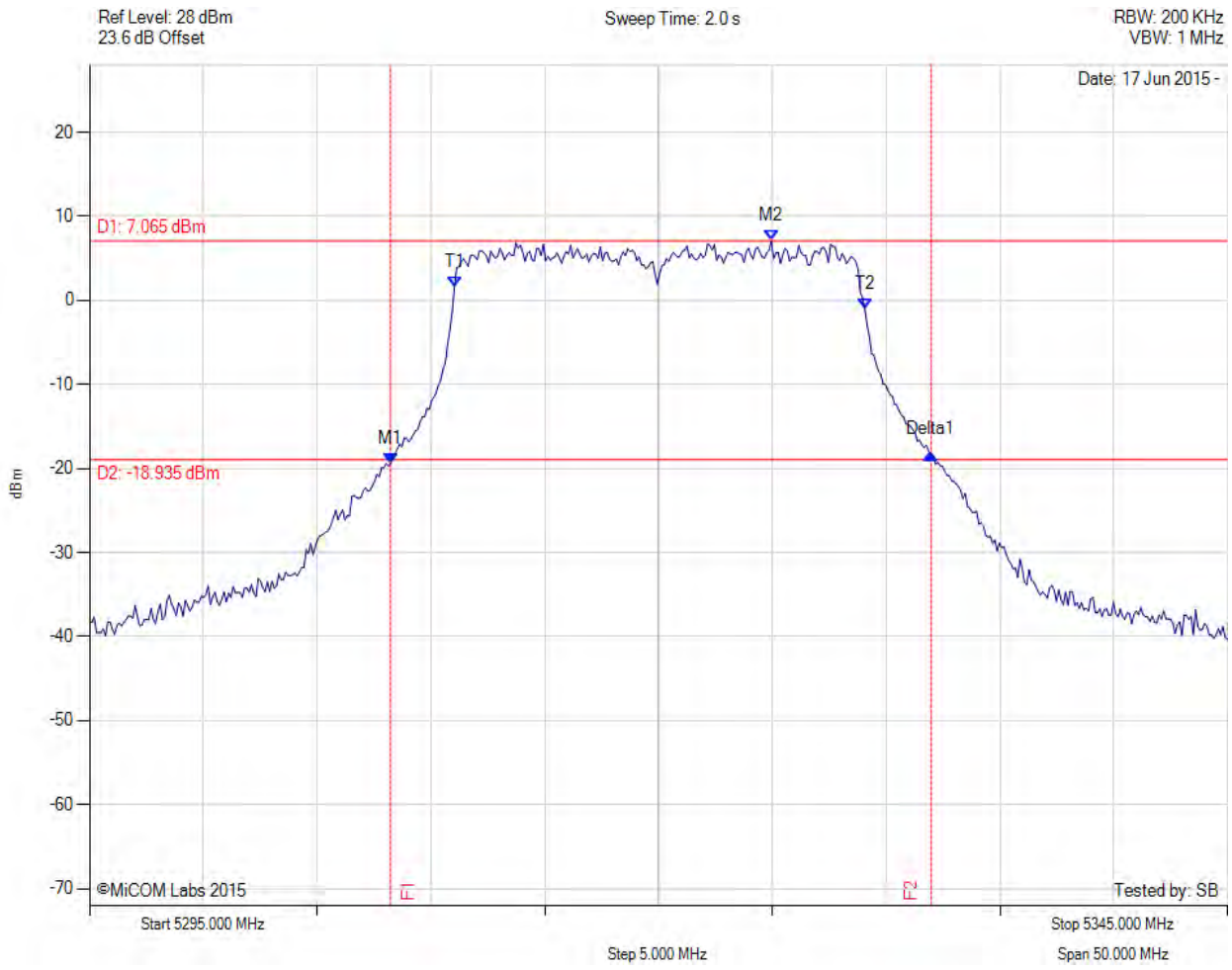
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.226 MHz : -19.407 dBm M2 : 5324.960 MHz : 7.065 dBm Delta1 : 23.747 MHz : 1.125 dB T1 : 5311.032 MHz : 1.608 dBm T2 : 5329.068 MHz : -1.036 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.036 MHz

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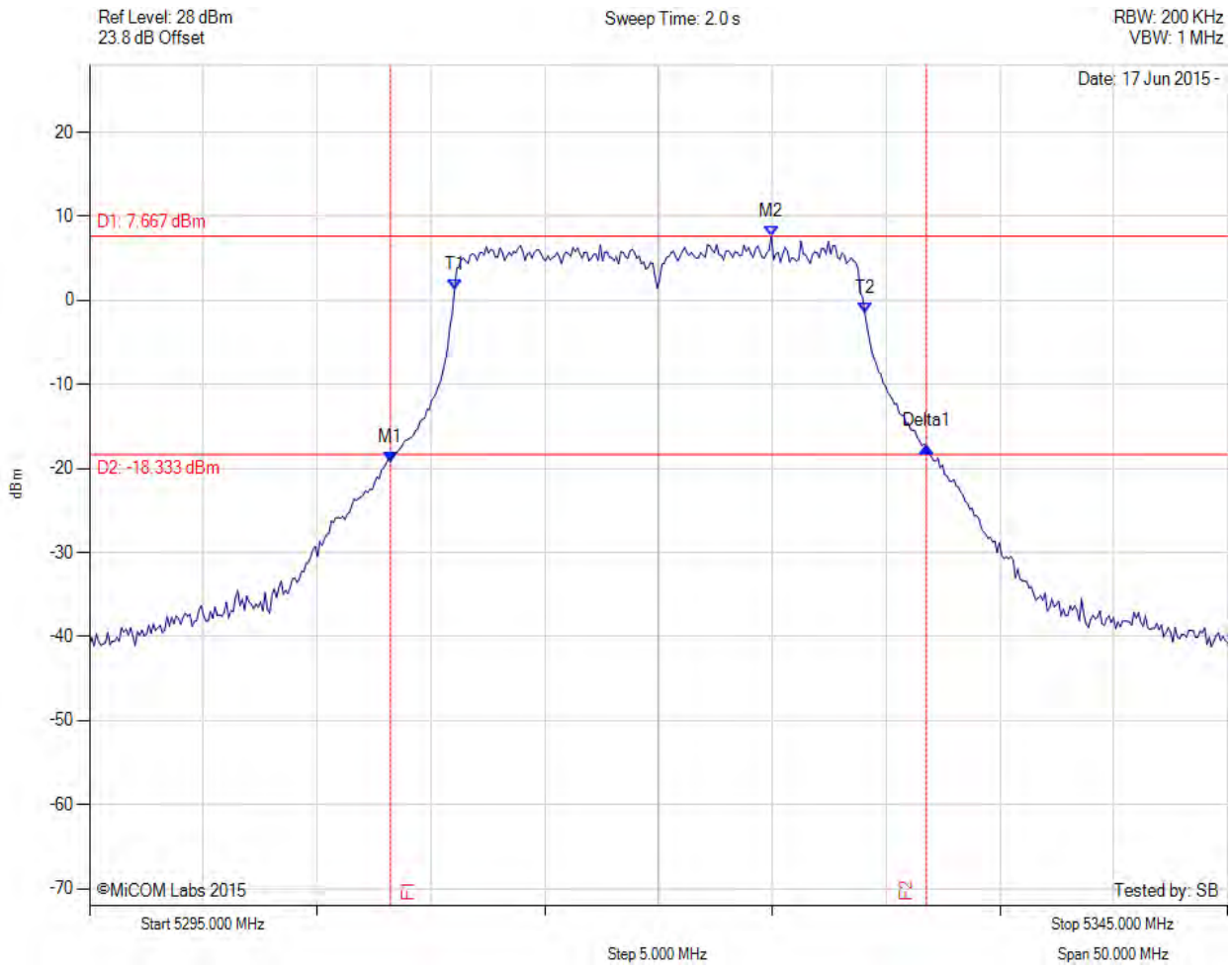
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5320.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5308.226 MHz : -19.234 dBm M2 : 5324.960 MHz : 7.667 dBm Delta1 : 23.547 MHz : 1.851 dB T1 : 5311.032 MHz : 1.234 dBm T2 : 5329.068 MHz : -1.510 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 18.036 MHz

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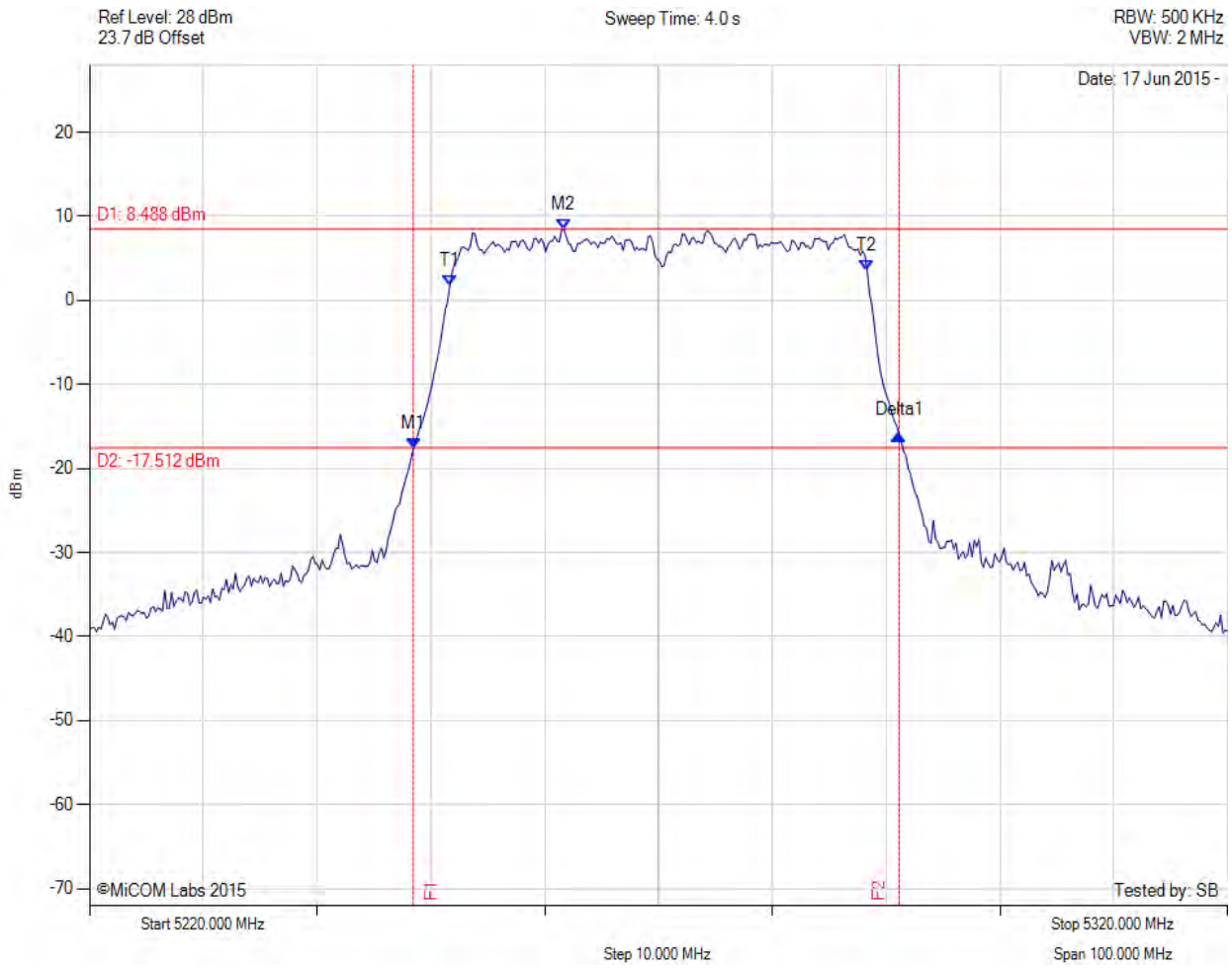
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

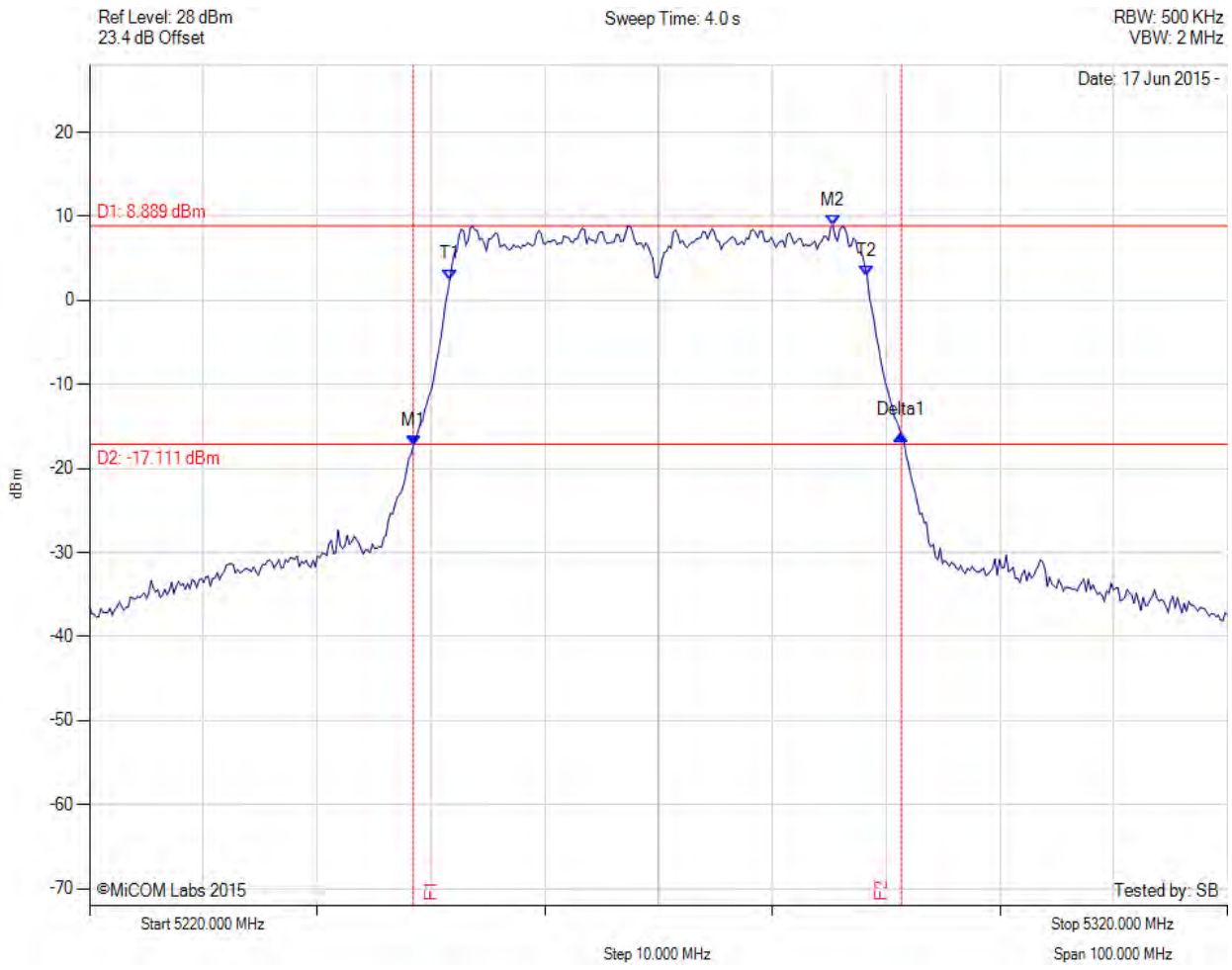


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.457 MHz : -17.672 dBm M2 : 5261.683 MHz : 8.488 dBm Delta1 : 42.685 MHz : 1.633 dB T1 : 5251.663 MHz : 1.807 dBm T2 : 5288.337 MHz : 3.571 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.457 MHz : -17.261 dBm M2 : 5285.331 MHz : 8.889 dBm Delta1 : 42.886 MHz : 1.216 dB T1 : 5251.663 MHz : 2.487 dBm T2 : 5288.337 MHz : 2.906 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

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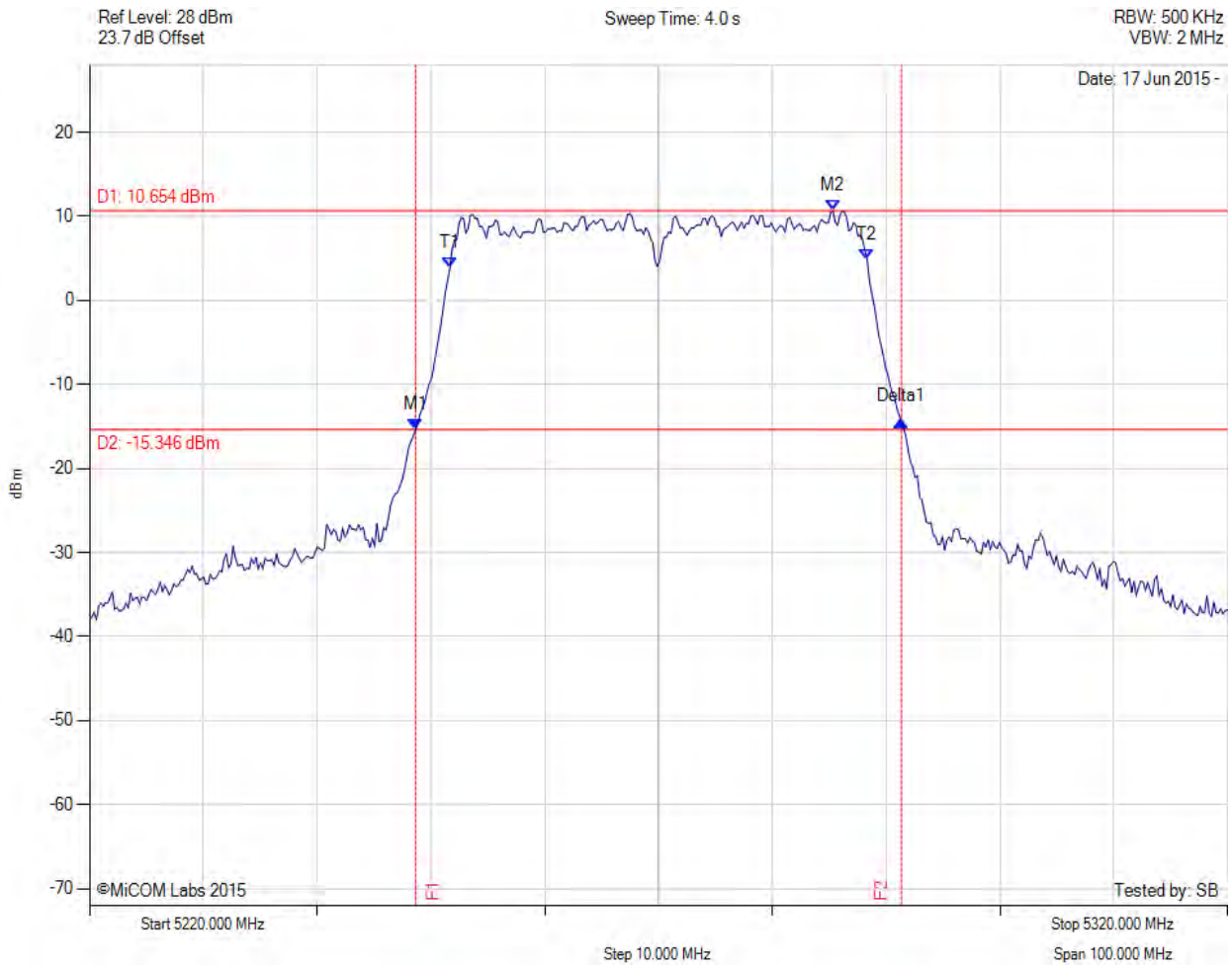
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5270.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5248.657 MHz : -15.361 dBm M2 : 5285.331 MHz : 10.654 dBm Delta1 : 42.685 MHz : 0.970 dB T1 : 5251.663 MHz : 3.811 dBm T2 : 5288.337 MHz : 4.823 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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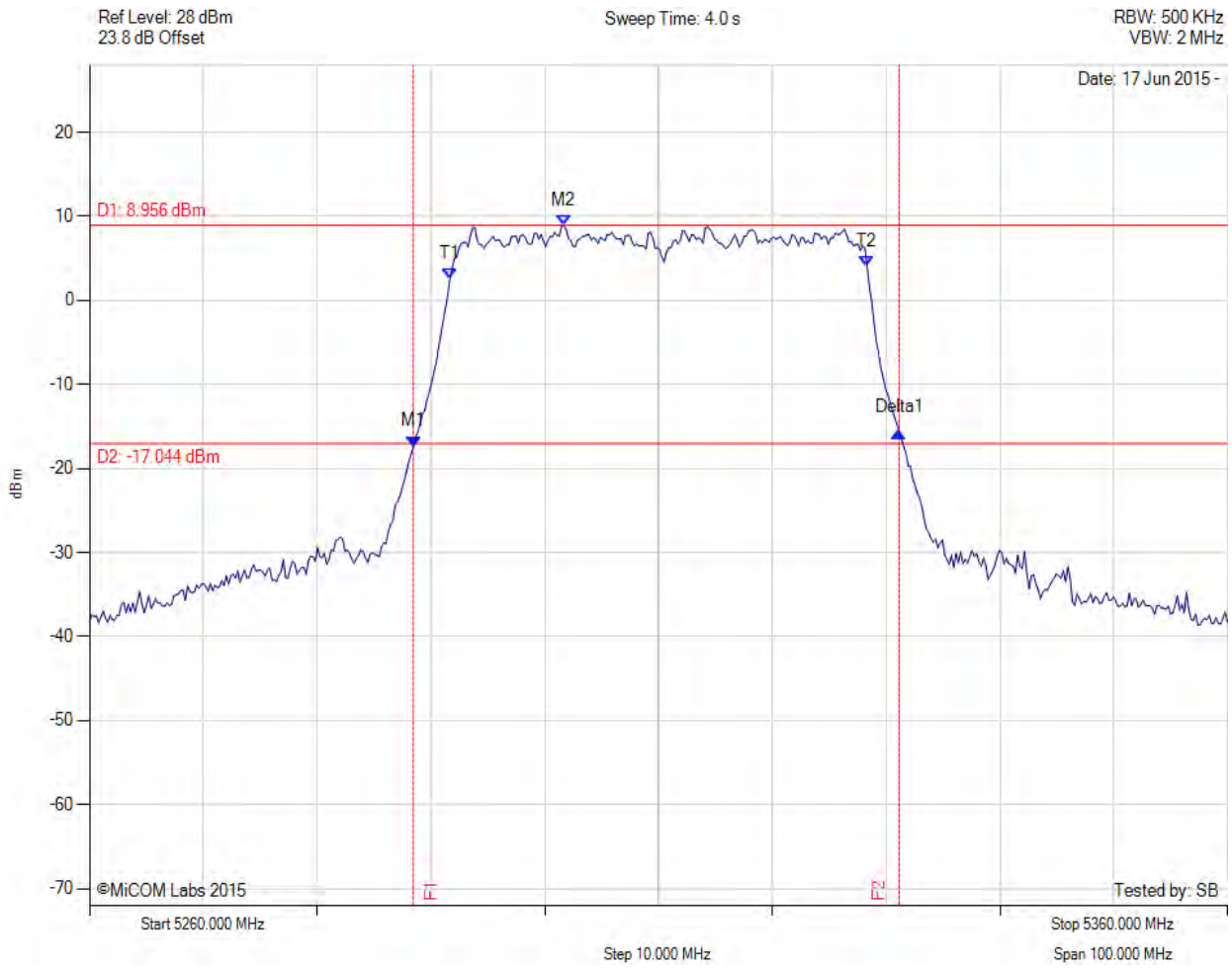
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.457 MHz : -17.383 dBm M2 : 5301.683 MHz : 8.956 dBm Delta1 : 42.685 MHz : 1.765 dB T1 : 5291.663 MHz : 2.546 dBm T2 : 5328.337 MHz : 4.014 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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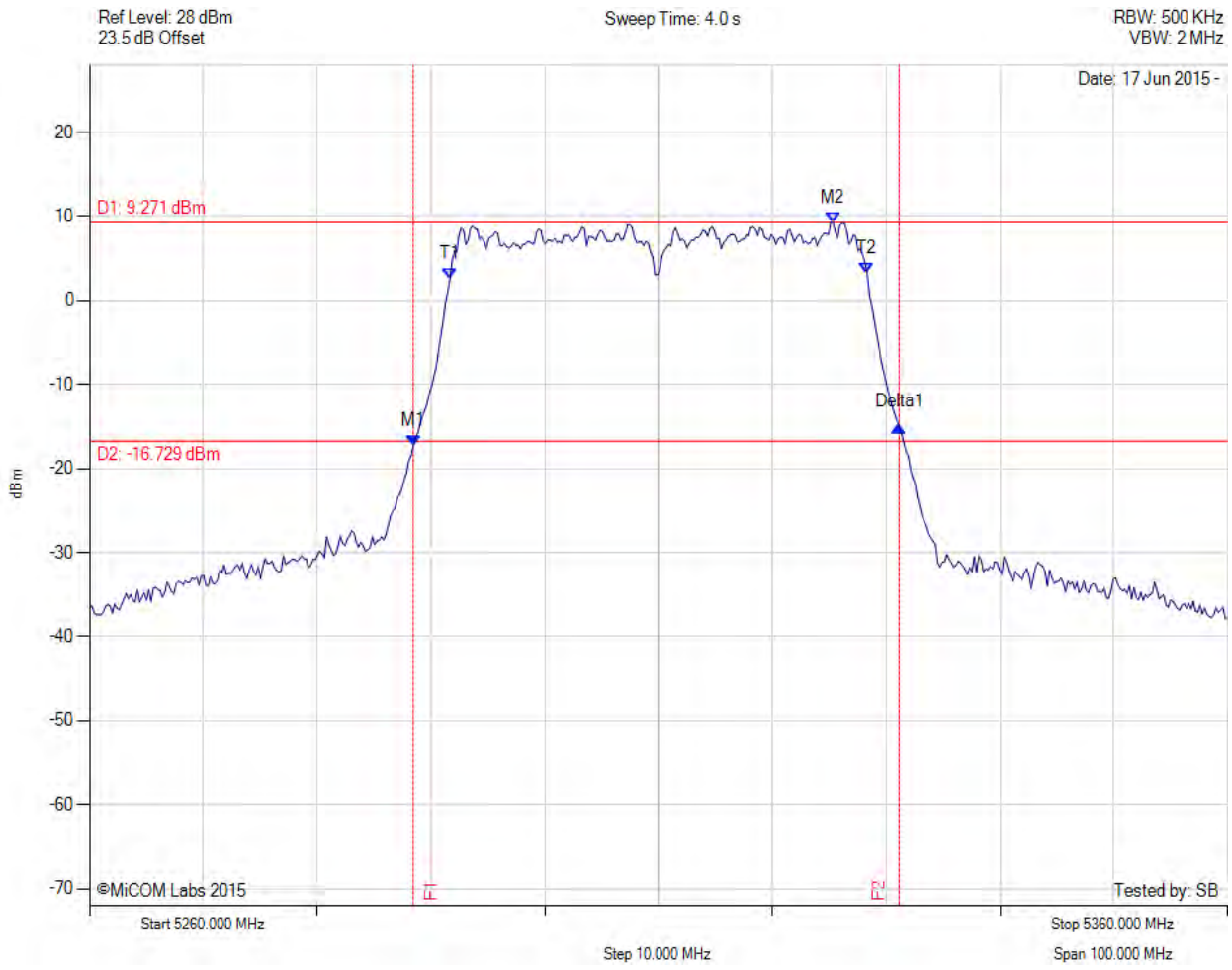
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.457 MHz : -17.239 dBm M2 : 5325.331 MHz : 9.271 dBm Delta1 : 42.685 MHz : 2.146 dB T1 : 5291.663 MHz : 2.519 dBm T2 : 5328.337 MHz : 3.280 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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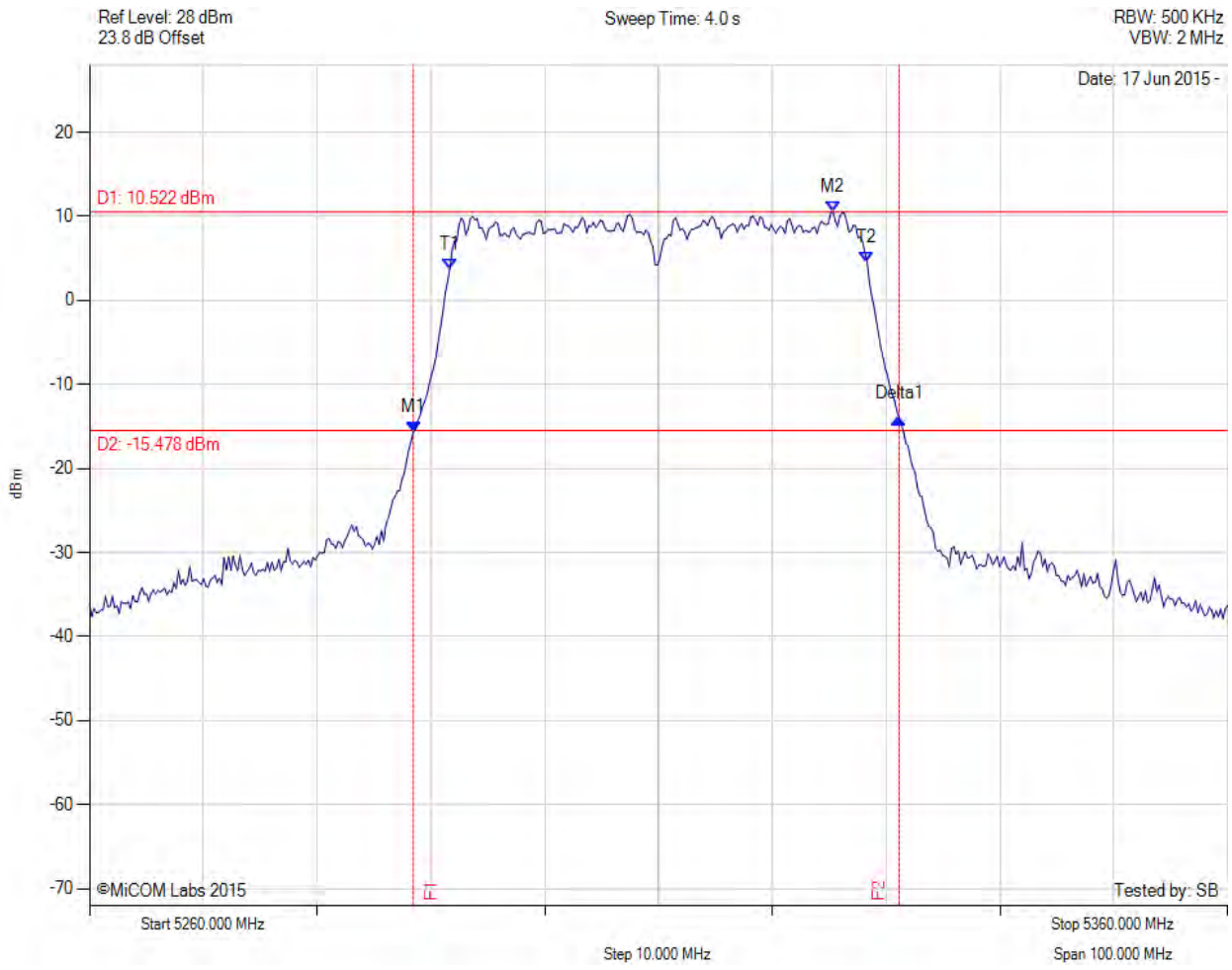
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5310.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5288.457 MHz : -15.616 dBm M2 : 5325.331 MHz : 10.522 dBm Delta1 : 42.685 MHz : 1.546 dB T1 : 5291.663 MHz : 3.776 dBm T2 : 5328.337 MHz : 4.533 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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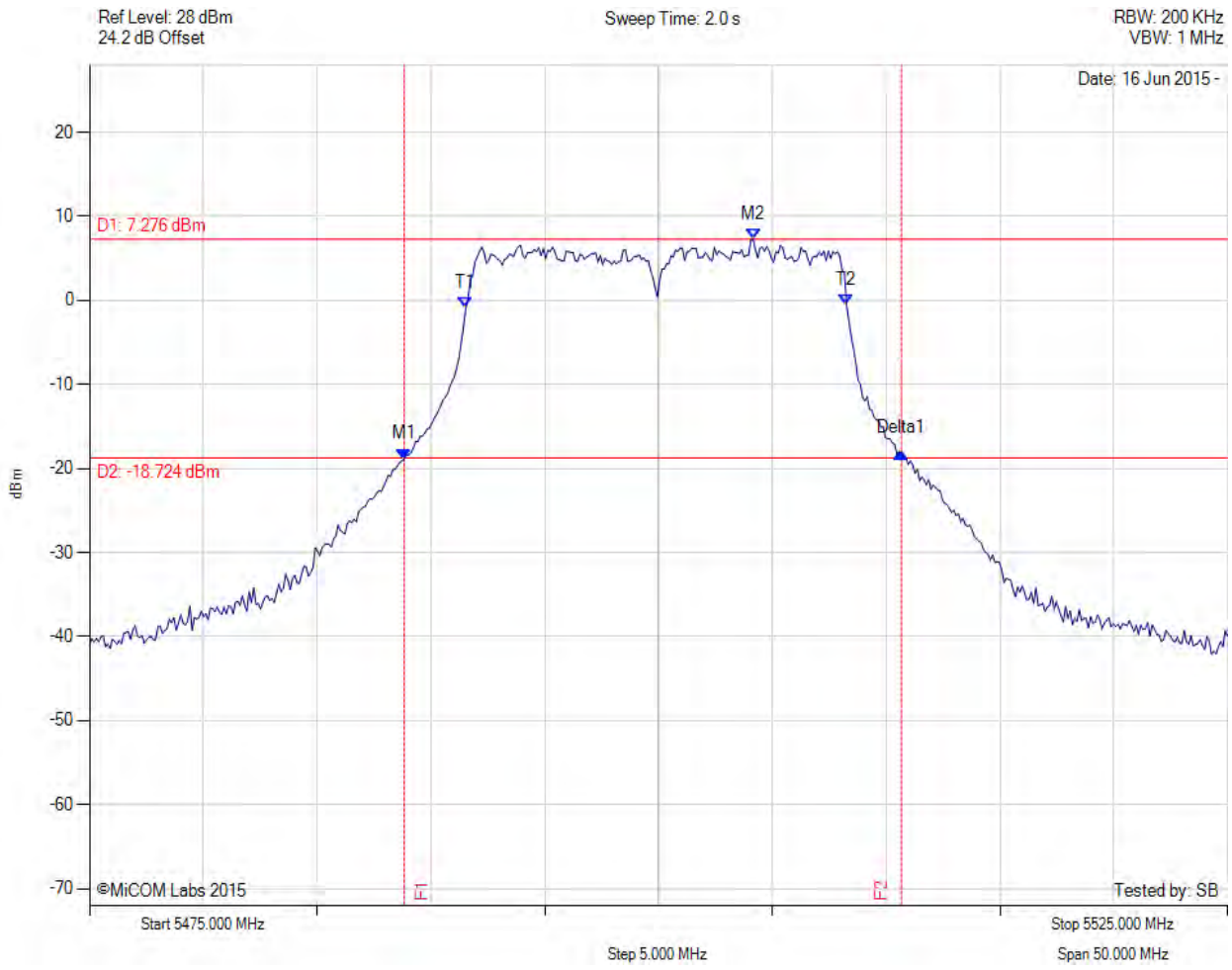
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5500.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

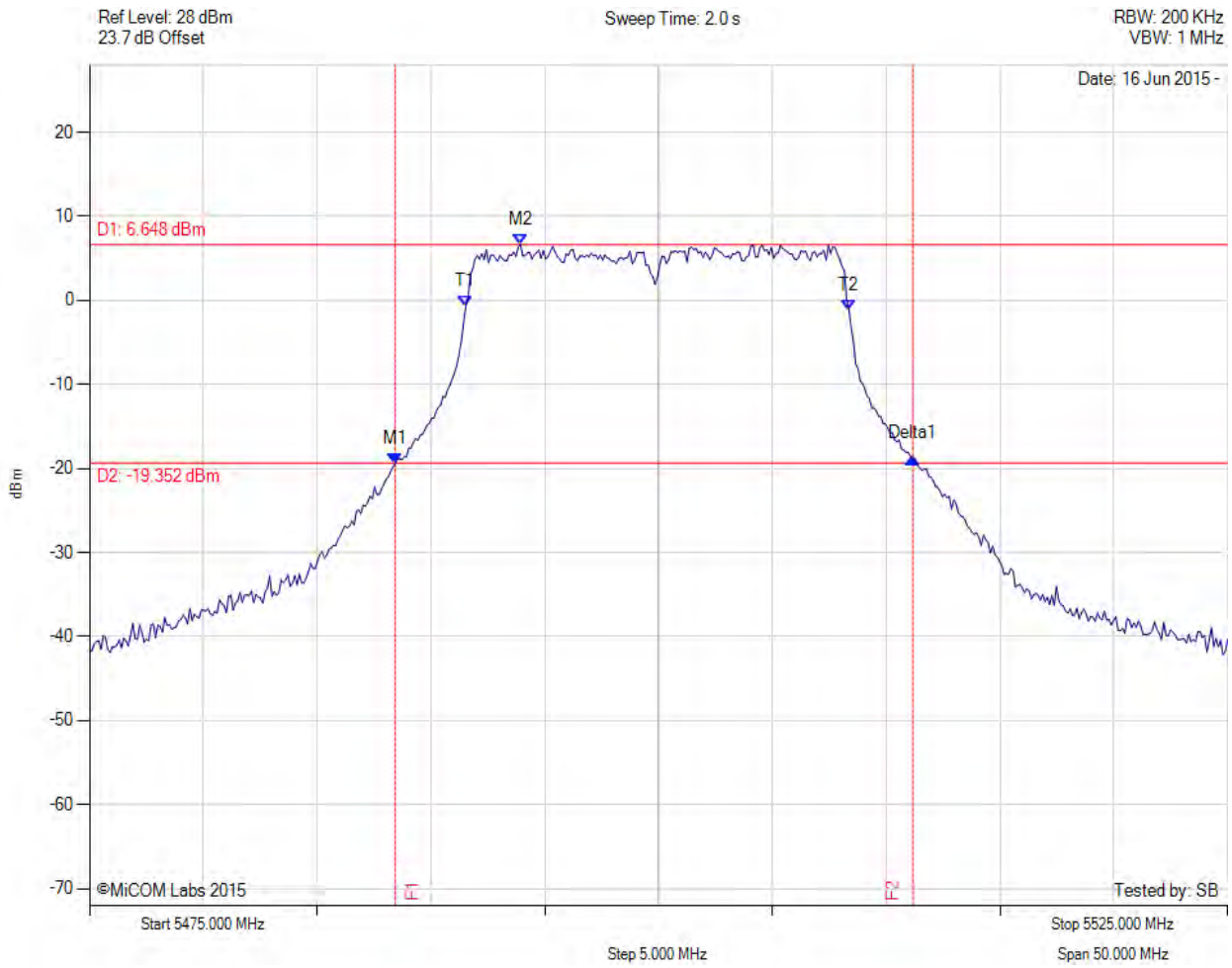


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.828 MHz : -18.855 dBm M2 : 5504.158 MHz : 7.276 dBm Delta1 : 21.844 MHz : 0.771 dB T1 : 5491.533 MHz : -0.895 dBm T2 : 5508.267 MHz : -0.527 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 21.844 MHz Measured 99% Bandwidth: 16.733 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5500.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

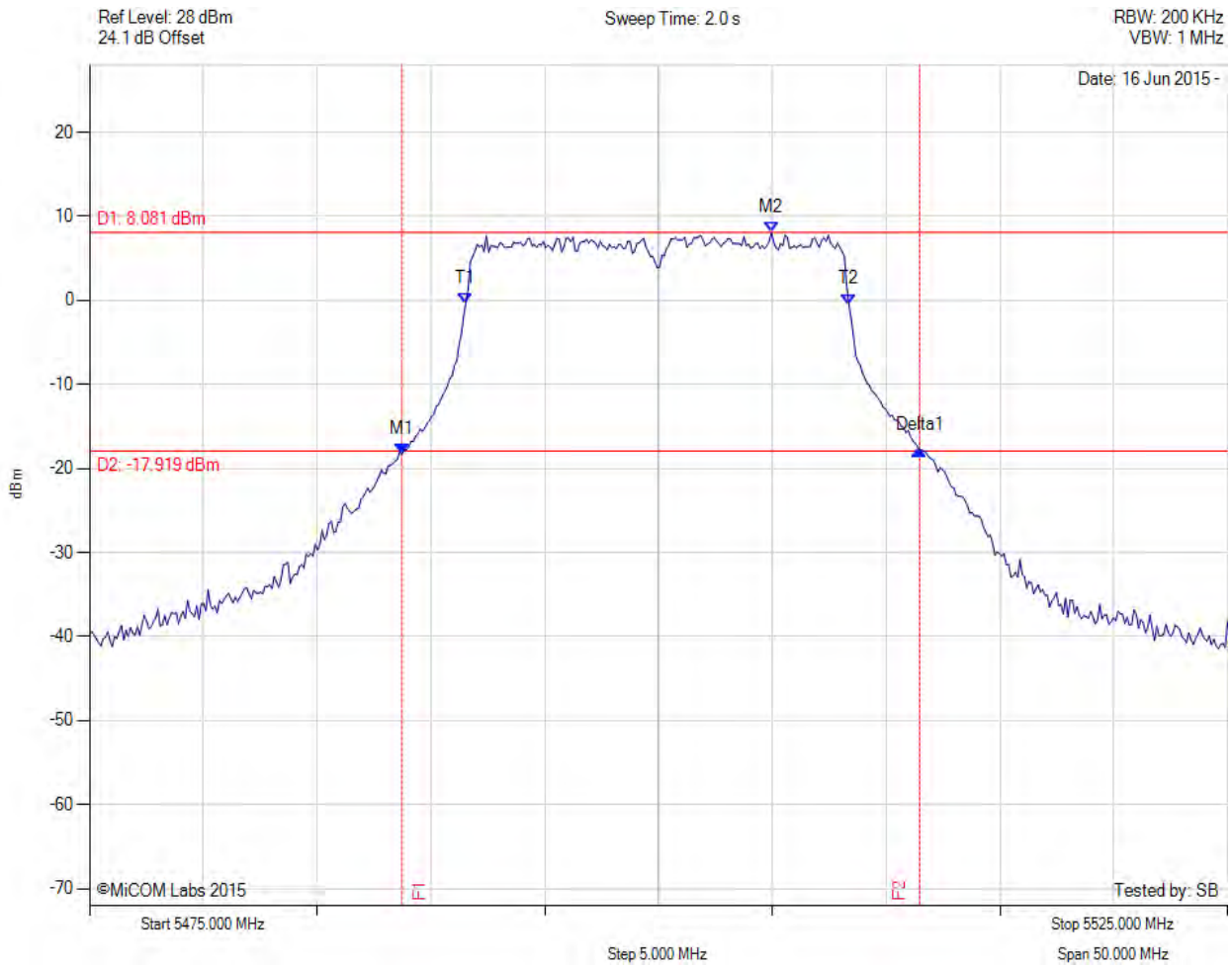


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.427 MHz : -19.433 dBm M2 : 5493.938 MHz : 6.648 dBm Delta1 : 22.745 MHz : 0.716 dB T1 : 5491.533 MHz : -0.710 dBm T2 : 5508.367 MHz : -1.115 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.745 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5500.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.727 MHz : -18.243 dBm M2 : 5504.960 MHz : 8.081 dBm Delta1 : 22.745 MHz : 0.508 dB T1 : 5491.533 MHz : -0.350 dBm T2 : 5508.367 MHz : -0.446 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.745 MHz Measured 99% Bandwidth: 16.834 MHz

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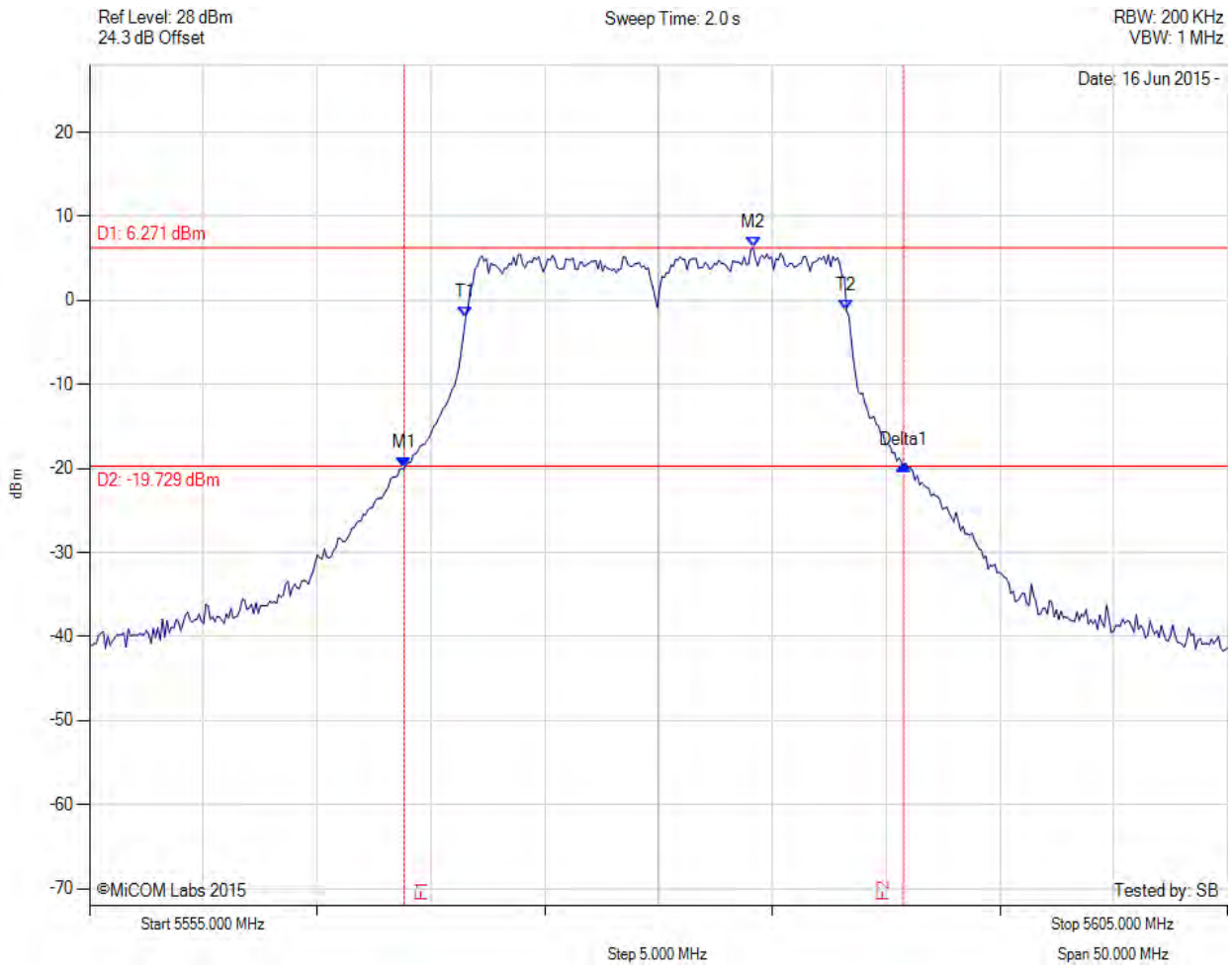
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5580.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

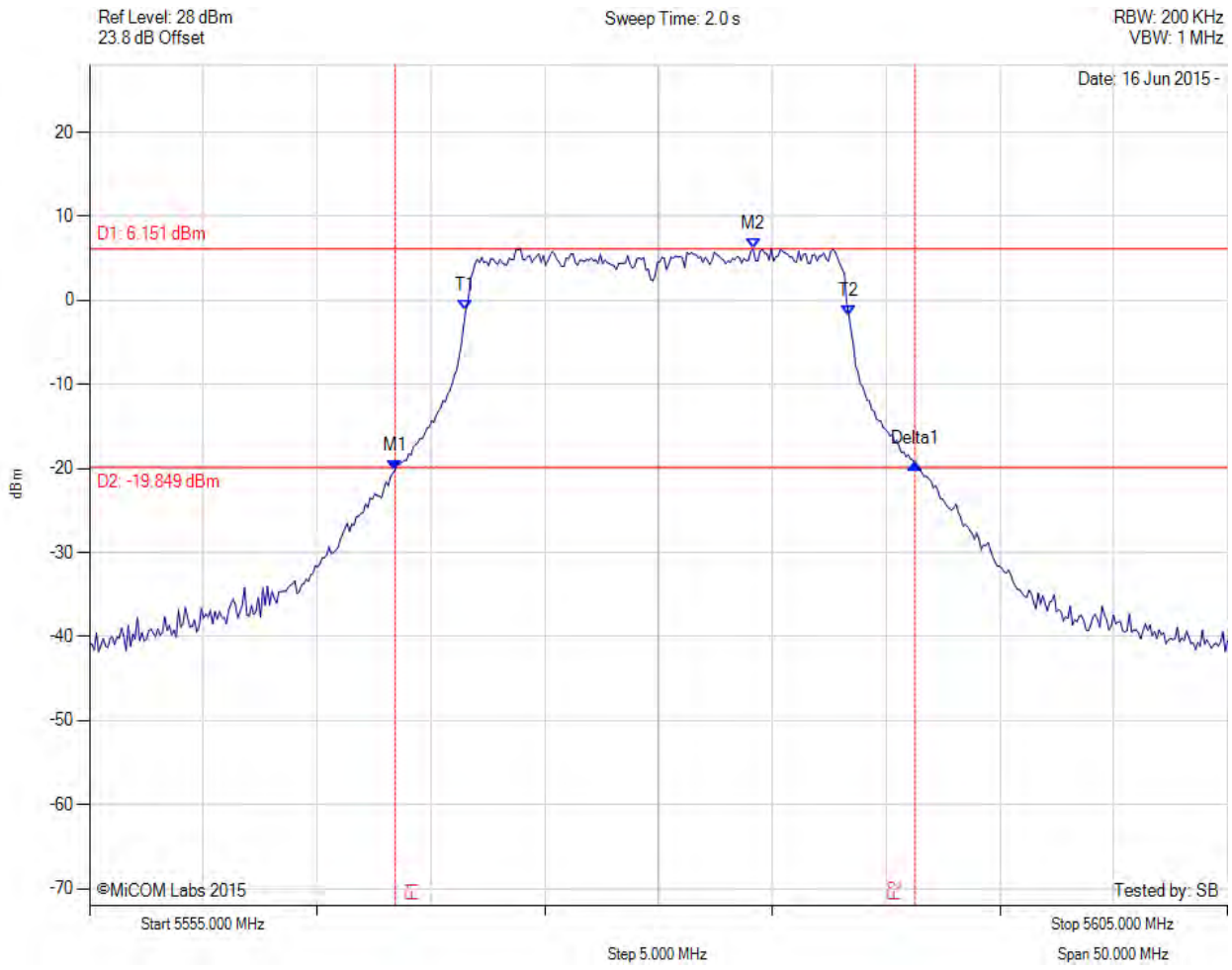


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.828 MHz : -19.956 dBm M2 : 5584.158 MHz : 6.271 dBm Delta1 : 21.944 MHz : 0.350 dB T1 : 5571.533 MHz : -1.986 dBm T2 : 5588.267 MHz : -1.233 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 21.944 MHz Measured 99% Bandwidth: 16.733 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5580.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.427 MHz : -20.173 dBm M2 : 5584.158 MHz : 6.151 dBm Delta1 : 22.846 MHz : 0.791 dB T1 : 5571.533 MHz : -1.140 dBm T2 : 5588.367 MHz : -1.762 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 16.834 MHz

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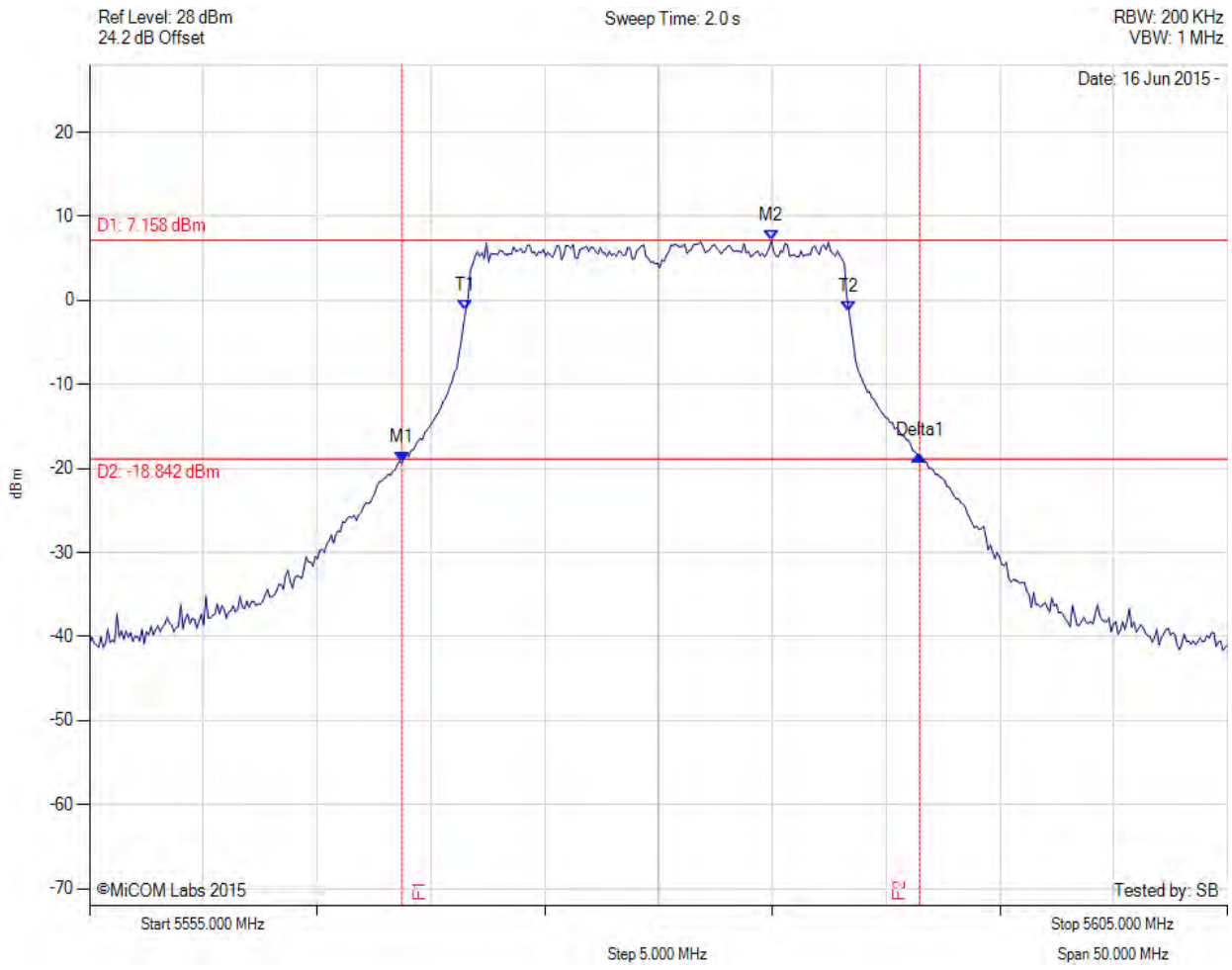
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5580.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

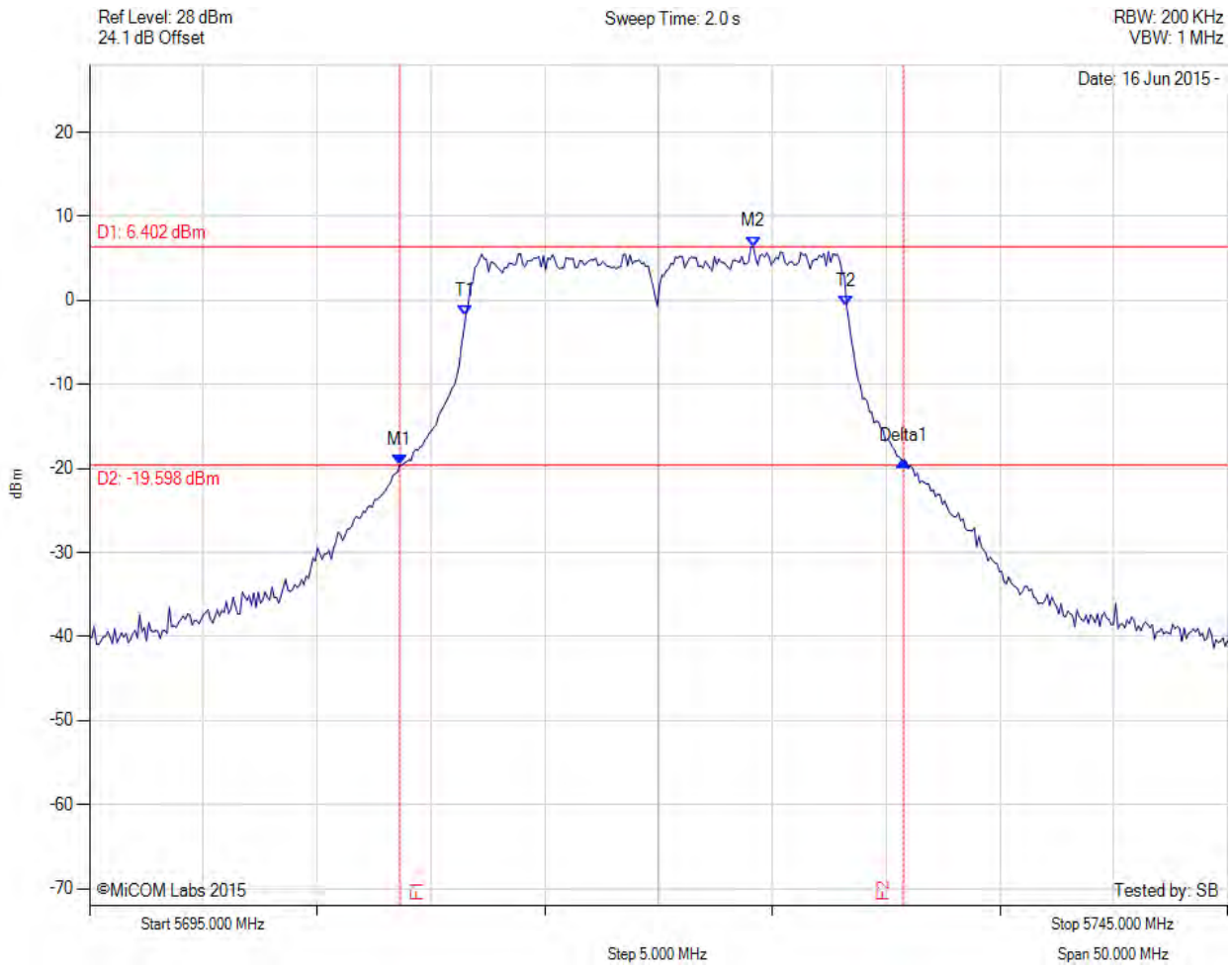


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.727 MHz : -19.329 dBm M2 : 5584.960 MHz : 7.158 dBm Delta1 : 22.745 MHz : 0.901 dB T1 : 5571.533 MHz : -1.225 dBm T2 : 5588.367 MHz : -1.298 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.745 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5720.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

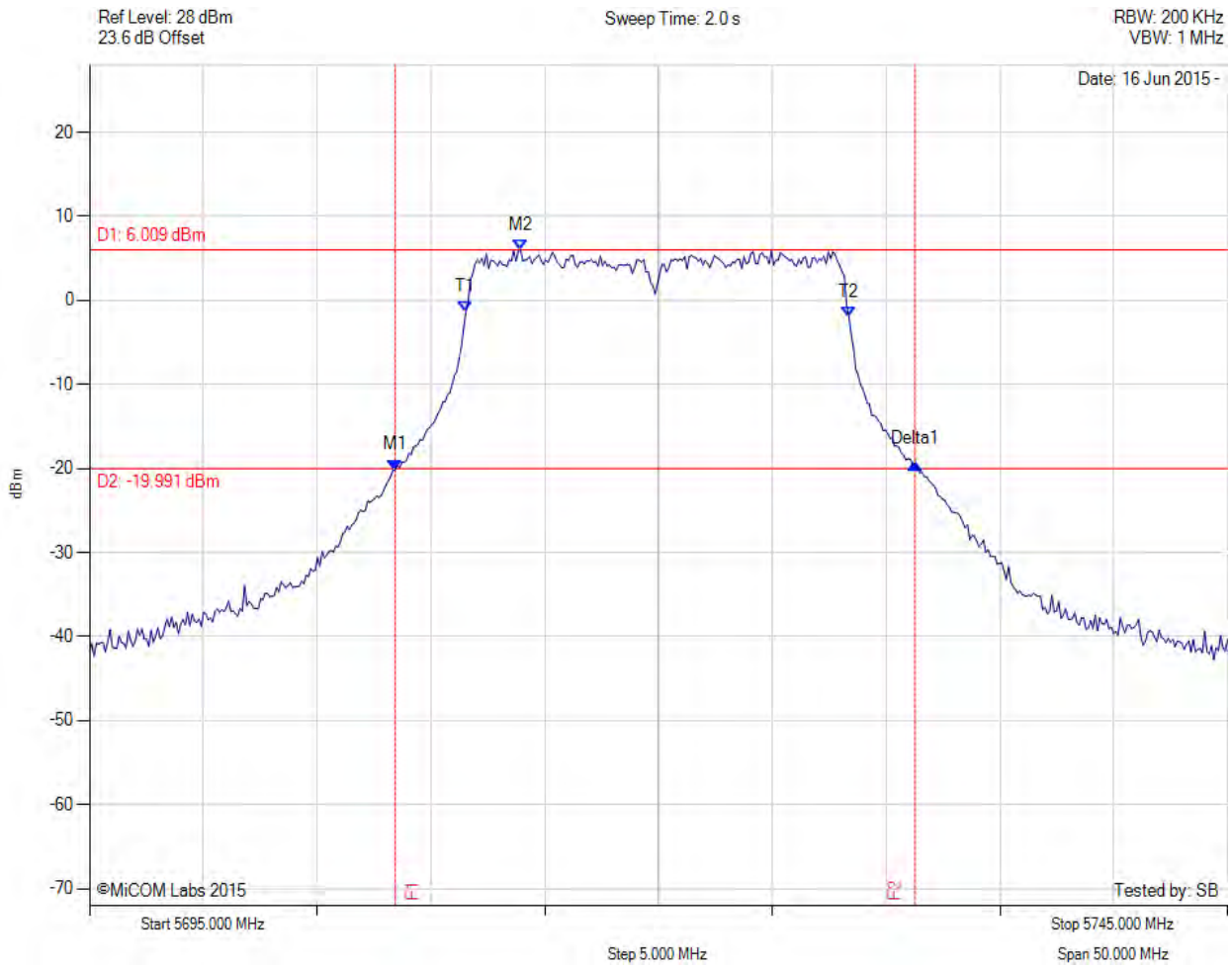


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.627 MHz : -19.634 dBm M2 : 5724.158 MHz : 6.402 dBm Delta1 : 22.144 MHz : 0.547 dB T1 : 5711.533 MHz : -1.827 dBm T2 : 5728.267 MHz : -0.633 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 22.144 MHz Measured 99% Bandwidth: 16.733 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5720.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

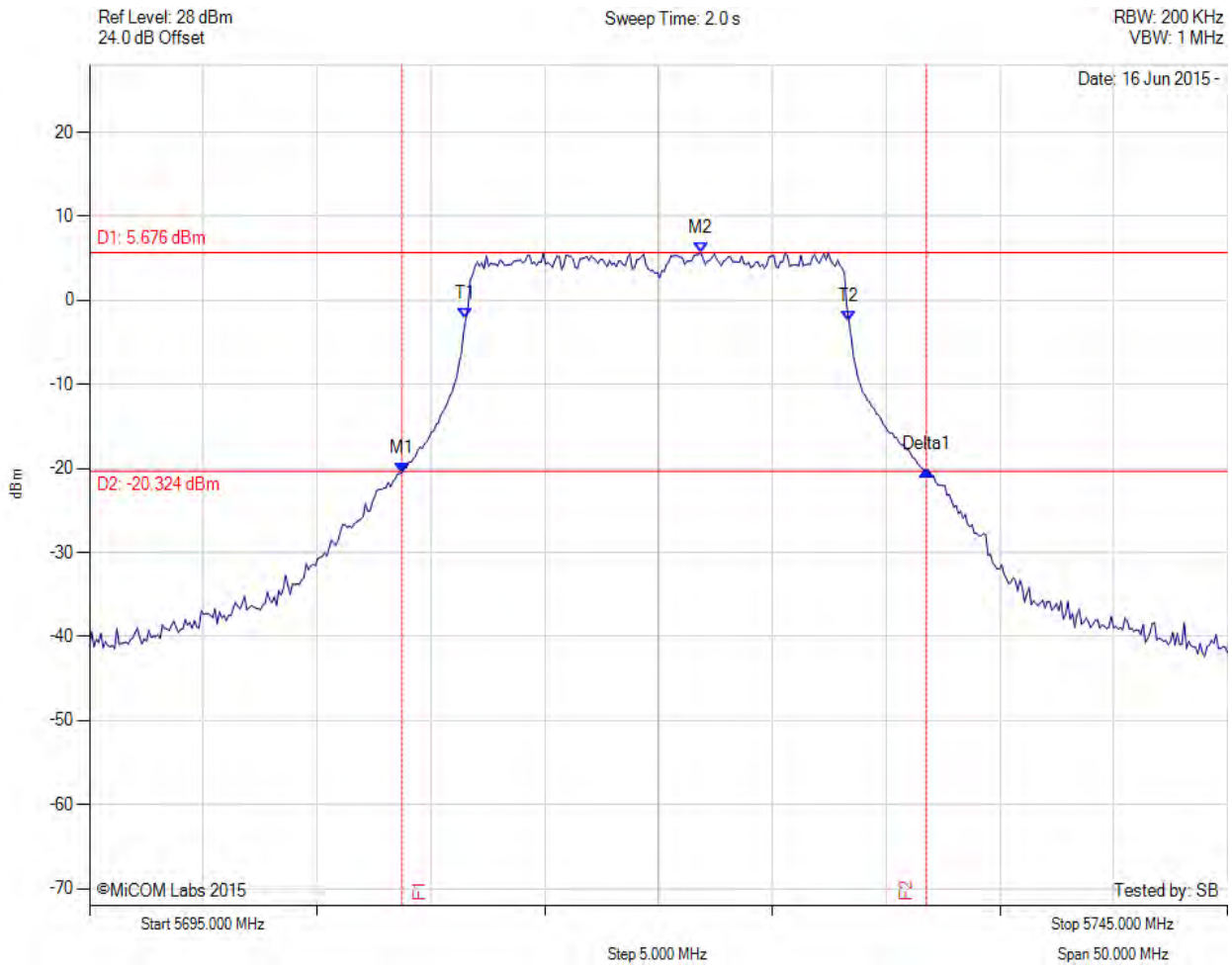


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.427 MHz : -20.153 dBm M2 : 5713.938 MHz : 6.009 dBm Delta1 : 22.846 MHz : 0.736 dB T1 : 5711.533 MHz : -1.406 dBm T2 : 5728.367 MHz : -1.945 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 16.834 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5720.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.727 MHz : -20.517 dBm M2 : 5721.854 MHz : 5.676 dBm Delta1 : 23.046 MHz : 0.364 dB T1 : 5711.533 MHz : -2.226 dBm T2 : 5728.367 MHz : -2.512 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.046 MHz Measured 99% Bandwidth: 16.834 MHz

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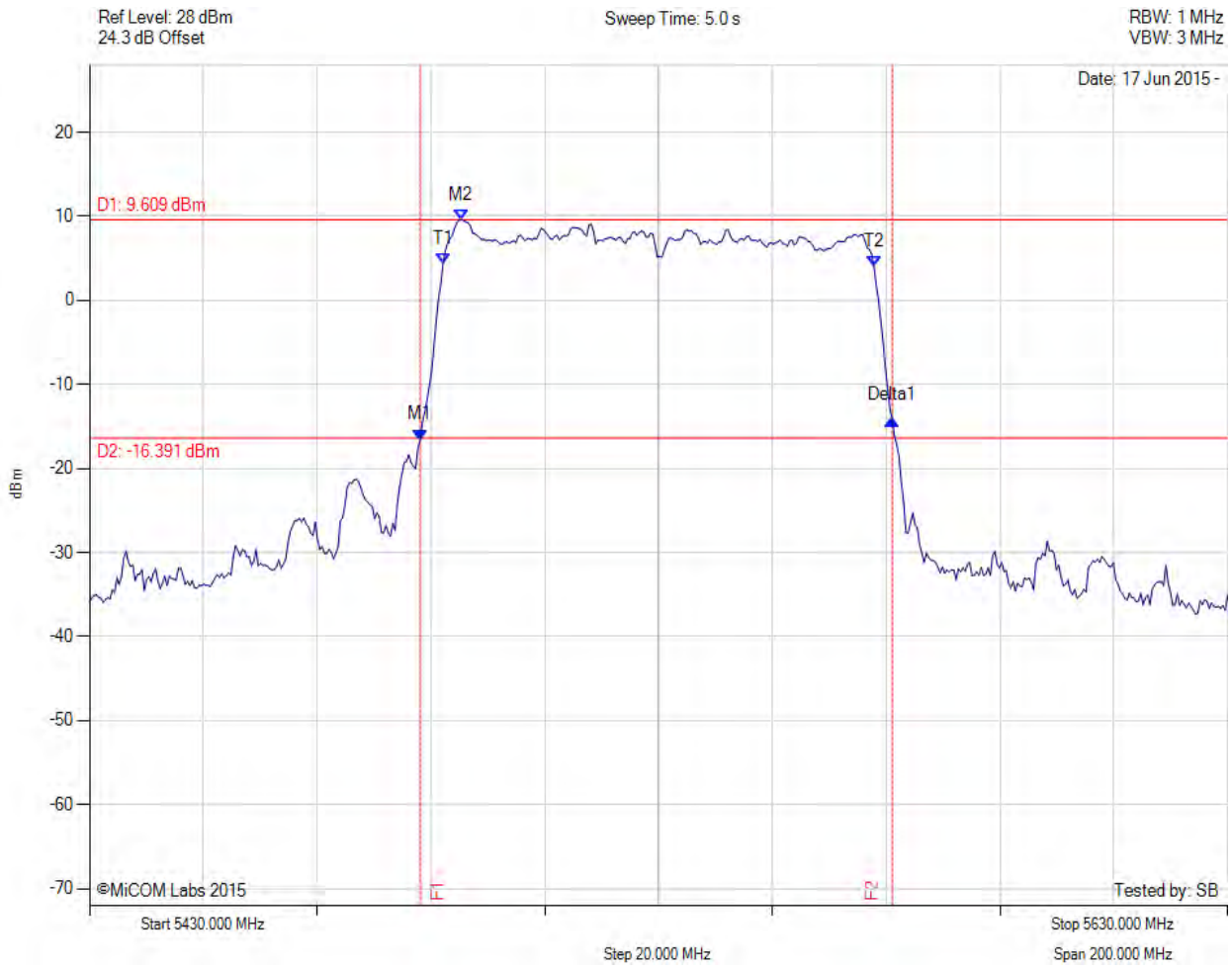
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.116 MHz : -16.565 dBm M2 : 5495.331 MHz : 9.609 dBm Delta1 : 82.966 MHz : 2.398 dB T1 : 5492.124 MHz : 4.348 dBm T2 : 5567.876 MHz : 3.975 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 82.966 MHz Measured 99% Bandwidth: 75.752 MHz

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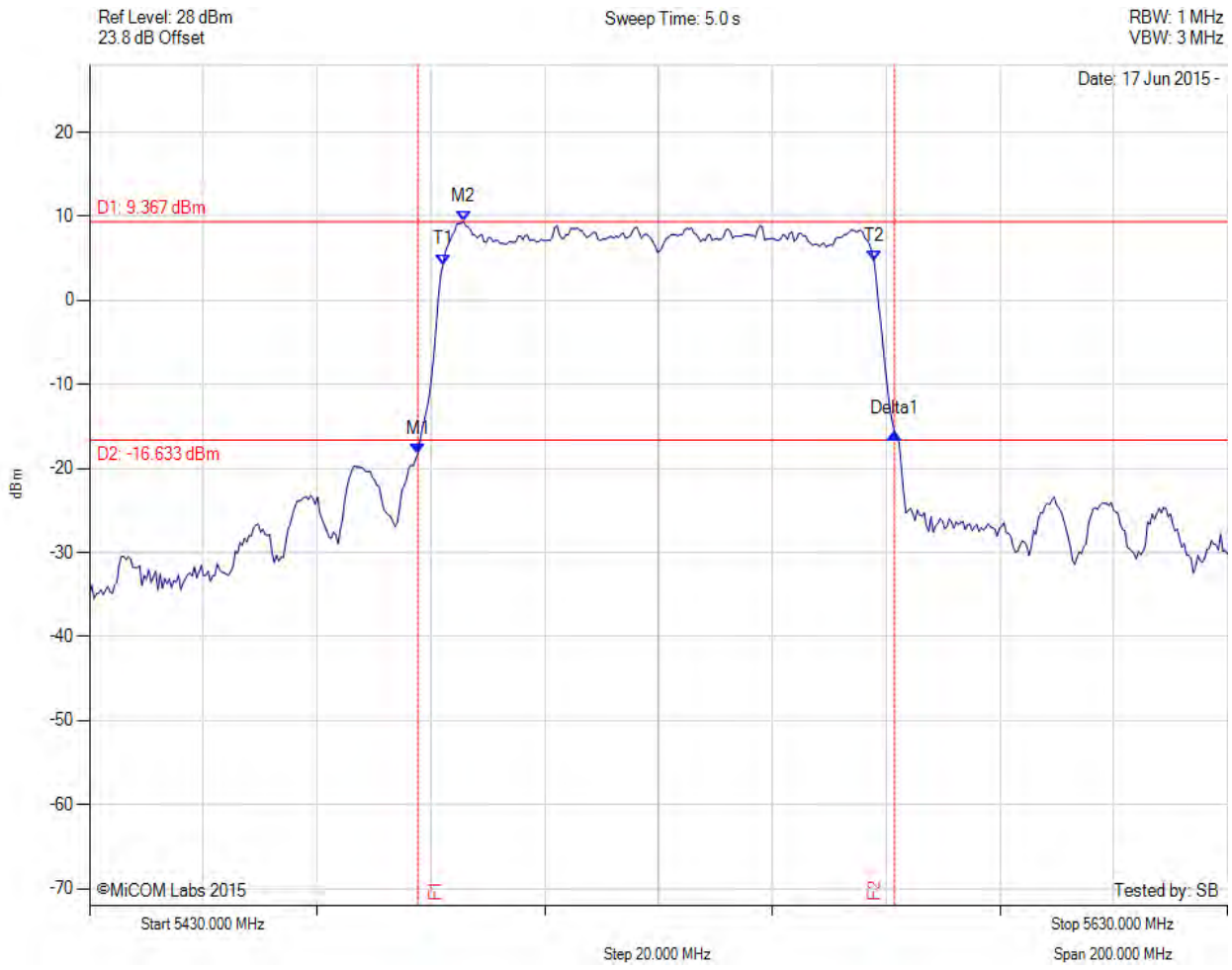
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.715 MHz : -18.225 dBm M2 : 5495.731 MHz : 9.367 dBm Delta1 : 83.768 MHz : 2.416 dB T1 : 5492.124 MHz : 4.289 dBm T2 : 5567.876 MHz : 4.734 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.768 MHz Measured 99% Bandwidth: 75.752 MHz

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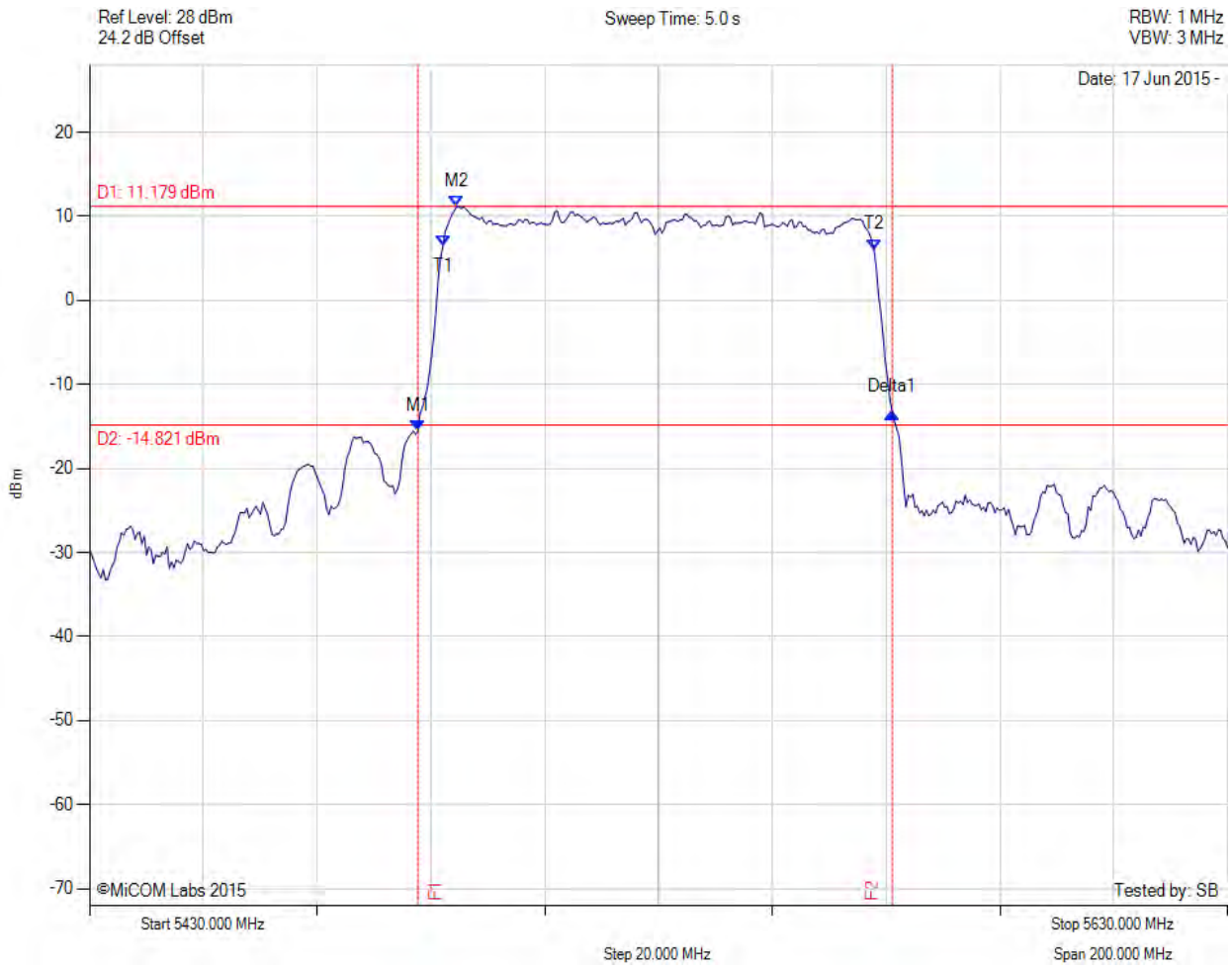
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5530.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.715 MHz : -15.571 dBm M2 : 5494.529 MHz : 11.179 dBm Delta1 : 83.367 MHz : 2.249 dB T1 : 5492.124 MHz : 6.520 dBm T2 : 5567.876 MHz : 6.076 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 75.752 MHz

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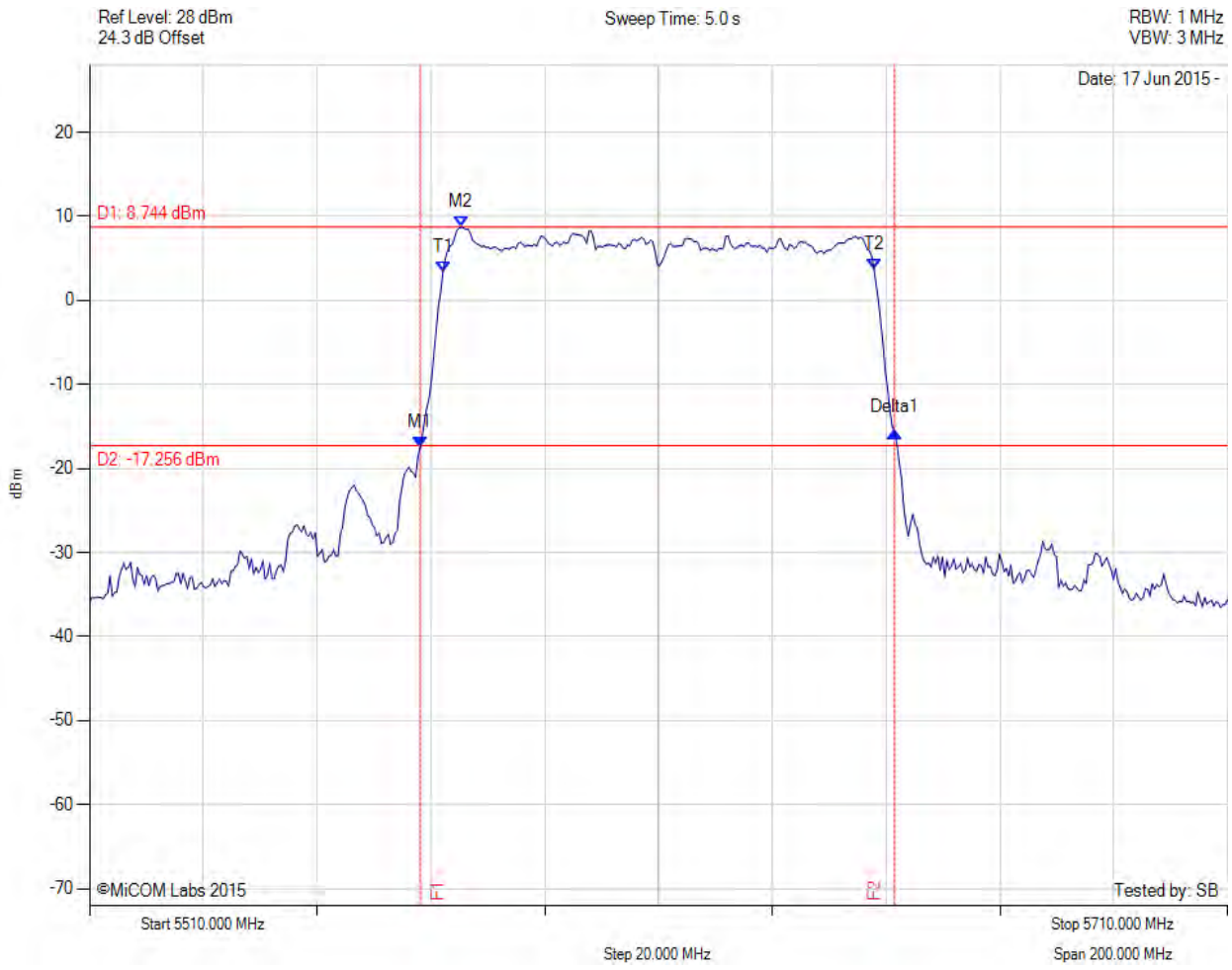
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.116 MHz : -17.432 dBm M2 : 5575.331 MHz : 8.744 dBm Delta1 : 83.367 MHz : 1.826 dB T1 : 5572.124 MHz : 3.449 dBm T2 : 5647.876 MHz : 3.731 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 75.752 MHz

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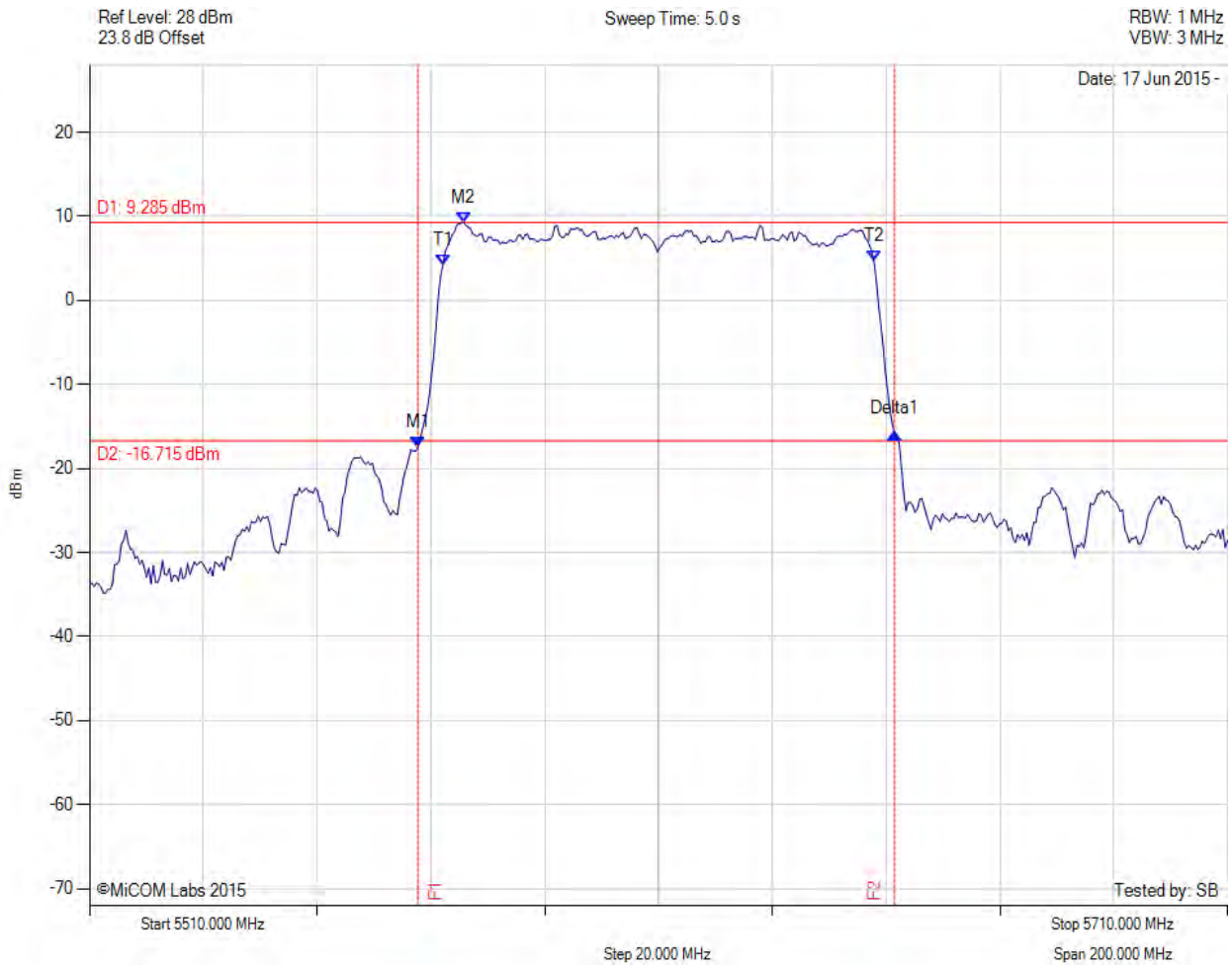
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.715 MHz : -17.468 dBm M2 : 5575.731 MHz : 9.285 dBm Delta1 : 83.768 MHz : 1.572 dB T1 : 5572.124 MHz : 4.264 dBm T2 : 5647.876 MHz : 4.638 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.768 MHz Measured 99% Bandwidth: 75.752 MHz

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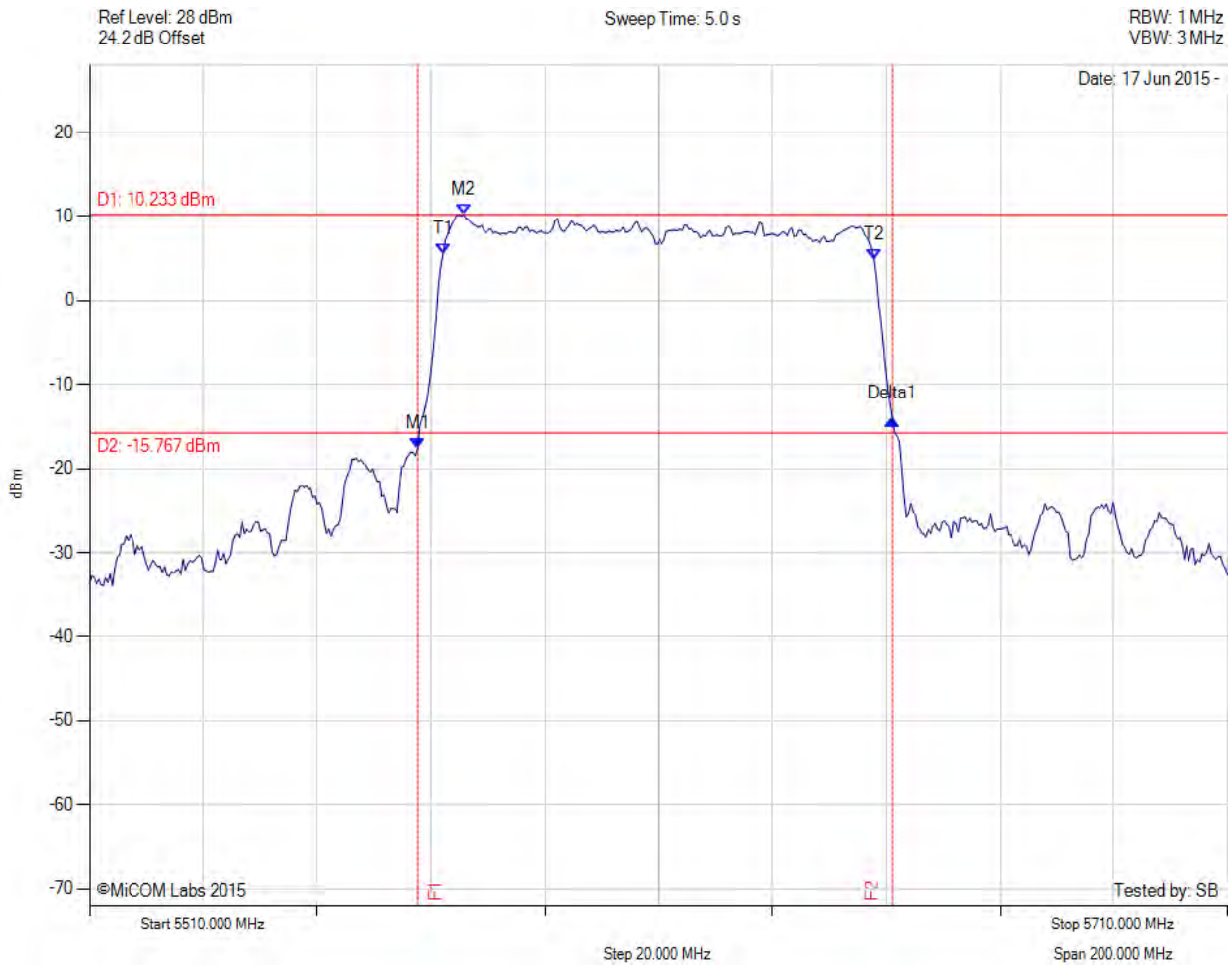
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5610.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5567.715 MHz : -17.621 dBm M2 : 5575.731 MHz : 10.233 dBm Delta1 : 83.367 MHz : 3.494 dB T1 : 5572.124 MHz : 5.519 dBm T2 : 5647.876 MHz : 4.850 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 75.752 MHz

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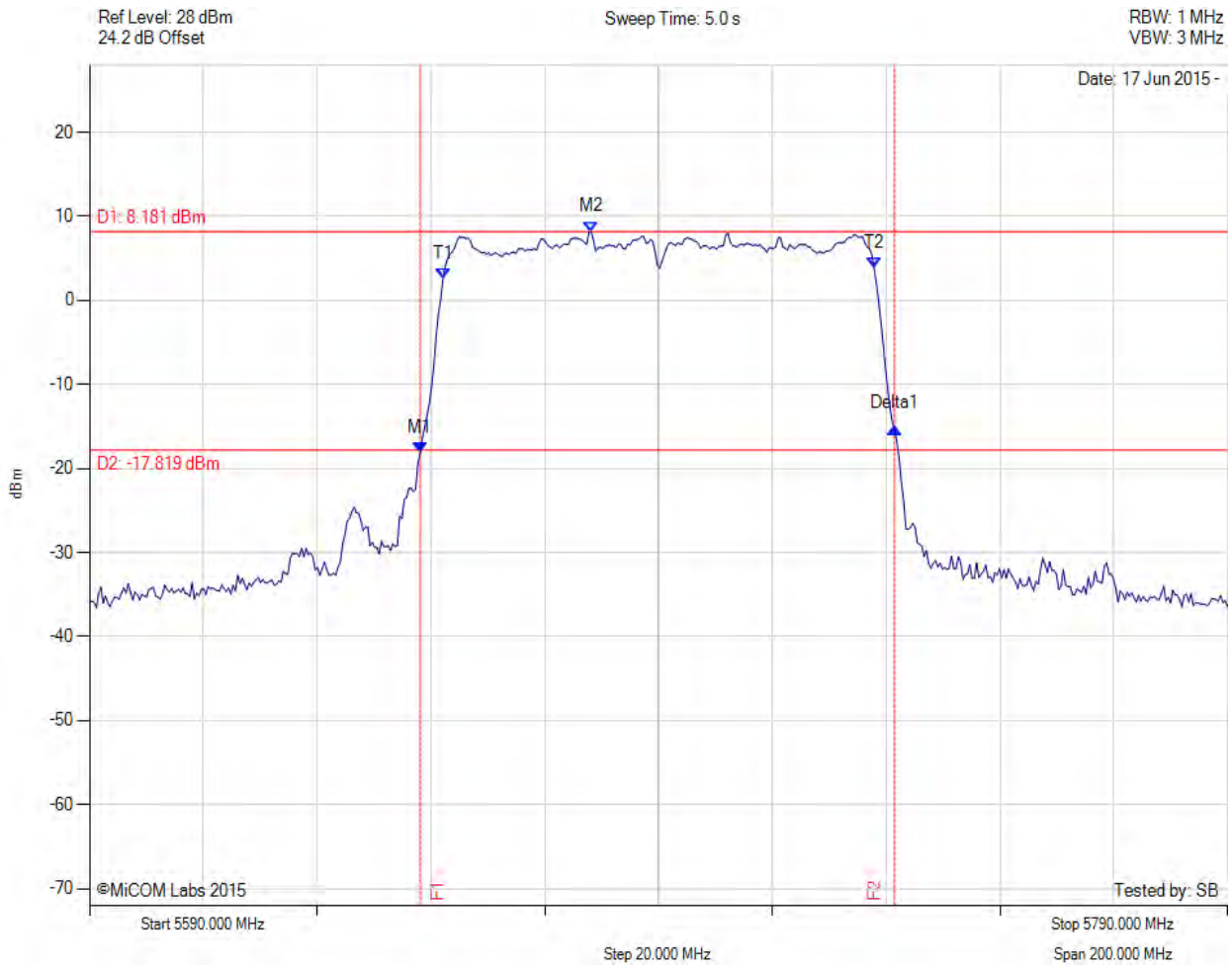
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5648.116 MHz : -18.162 dBm M2 : 5678.176 MHz : 8.181 dBm Delta1 : 83.367 MHz : 2.951 dB T1 : 5652.124 MHz : 2.596 dBm T2 : 5727.876 MHz : 3.886 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.367 MHz Measured 99% Bandwidth: 75.752 MHz

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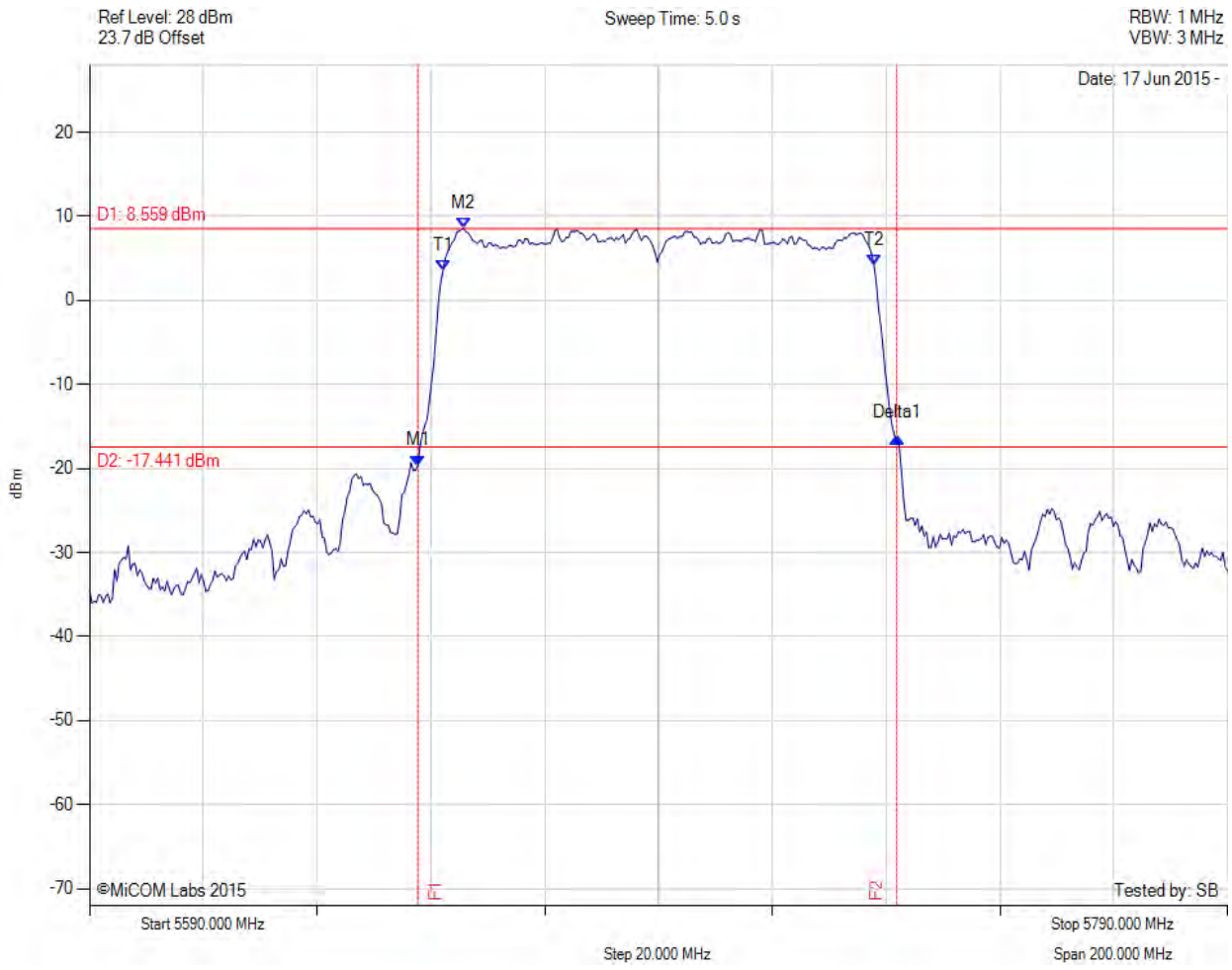
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5647.715 MHz : -19.667 dBm M2 : 5655.731 MHz : 8.559 dBm Delta1 : 84.168 MHz : 3.276 dB T1 : 5652.124 MHz : 3.554 dBm T2 : 5727.876 MHz : 4.260 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 84.168 MHz Measured 99% Bandwidth: 75.752 MHz

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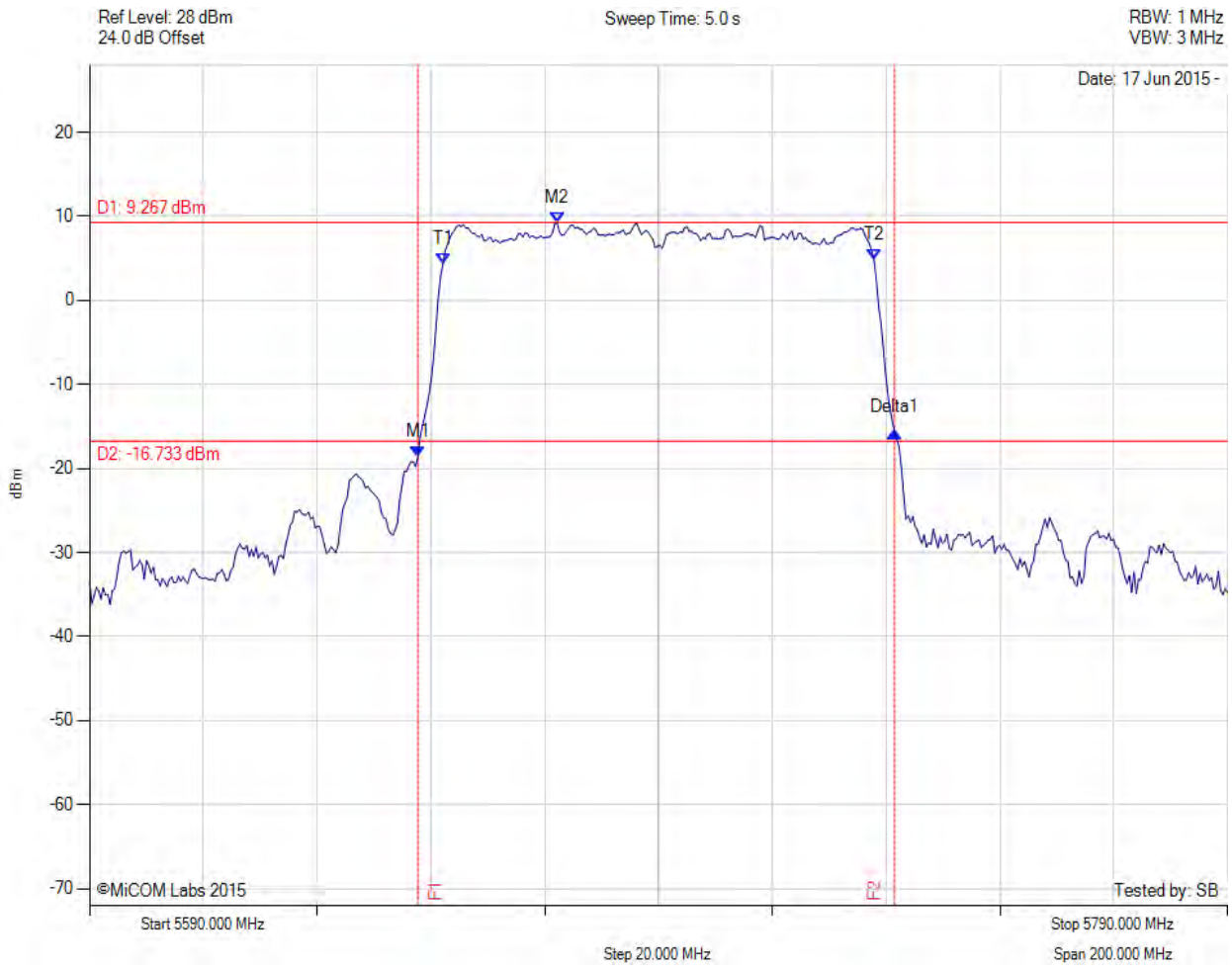
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5690.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5647.715 MHz : -18.636 dBm M2 : 5672.164 MHz : 9.267 dBm Delta1 : 83.768 MHz : 2.969 dB T1 : 5652.124 MHz : 4.358 dBm T2 : 5727.876 MHz : 4.791 dBm OBW : 75.752 MHz	Measured 26 dB Bandwidth: 83.768 MHz Measured 99% Bandwidth: 75.752 MHz

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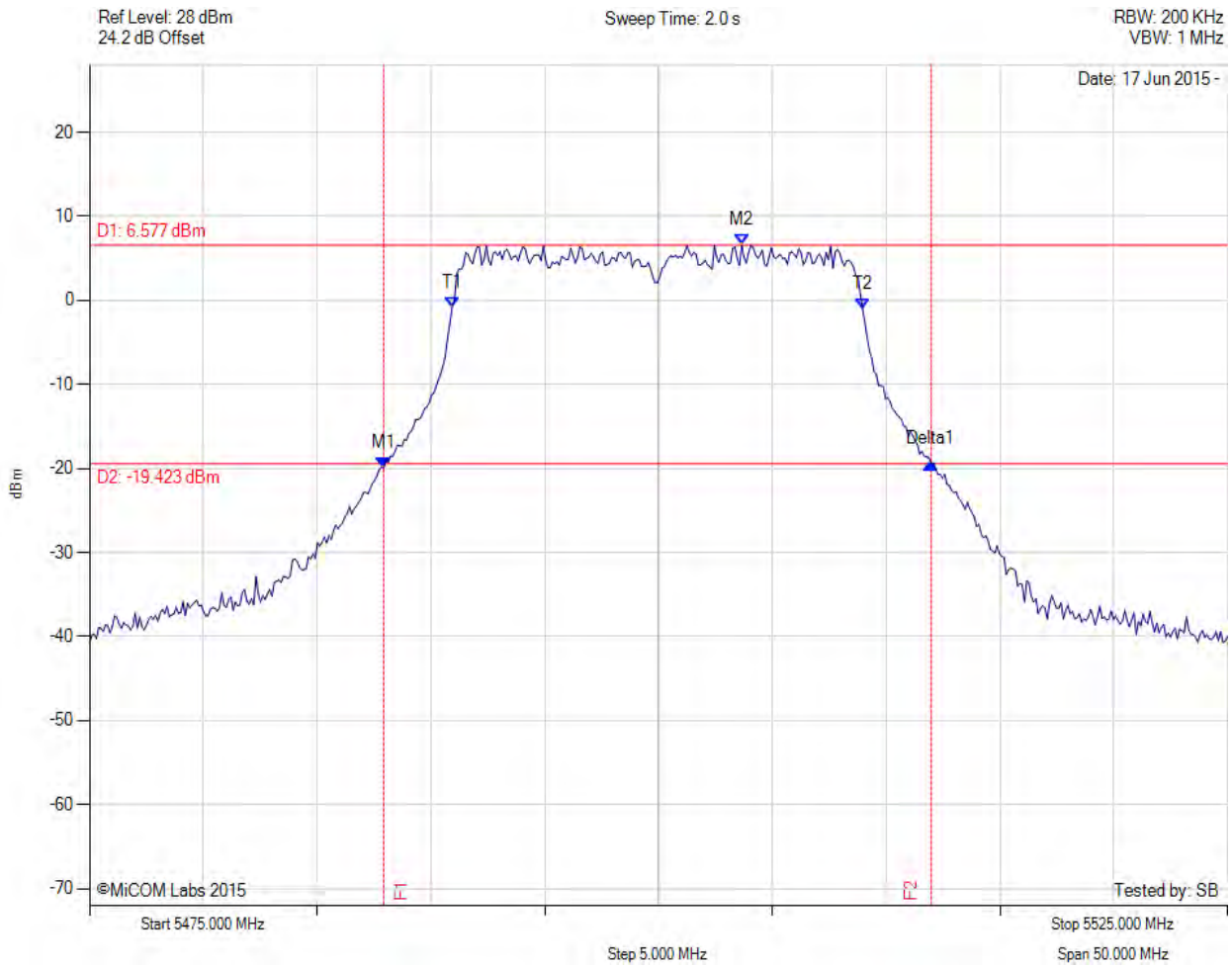
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5487.926 MHz : -19.976 dBm M2 : 5503.657 MHz : 6.577 dBm Delta1 : 24.048 MHz : 0.610 dB T1 : 5490.932 MHz : -0.786 dBm T2 : 5508.968 MHz : -1.050 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.036 MHz

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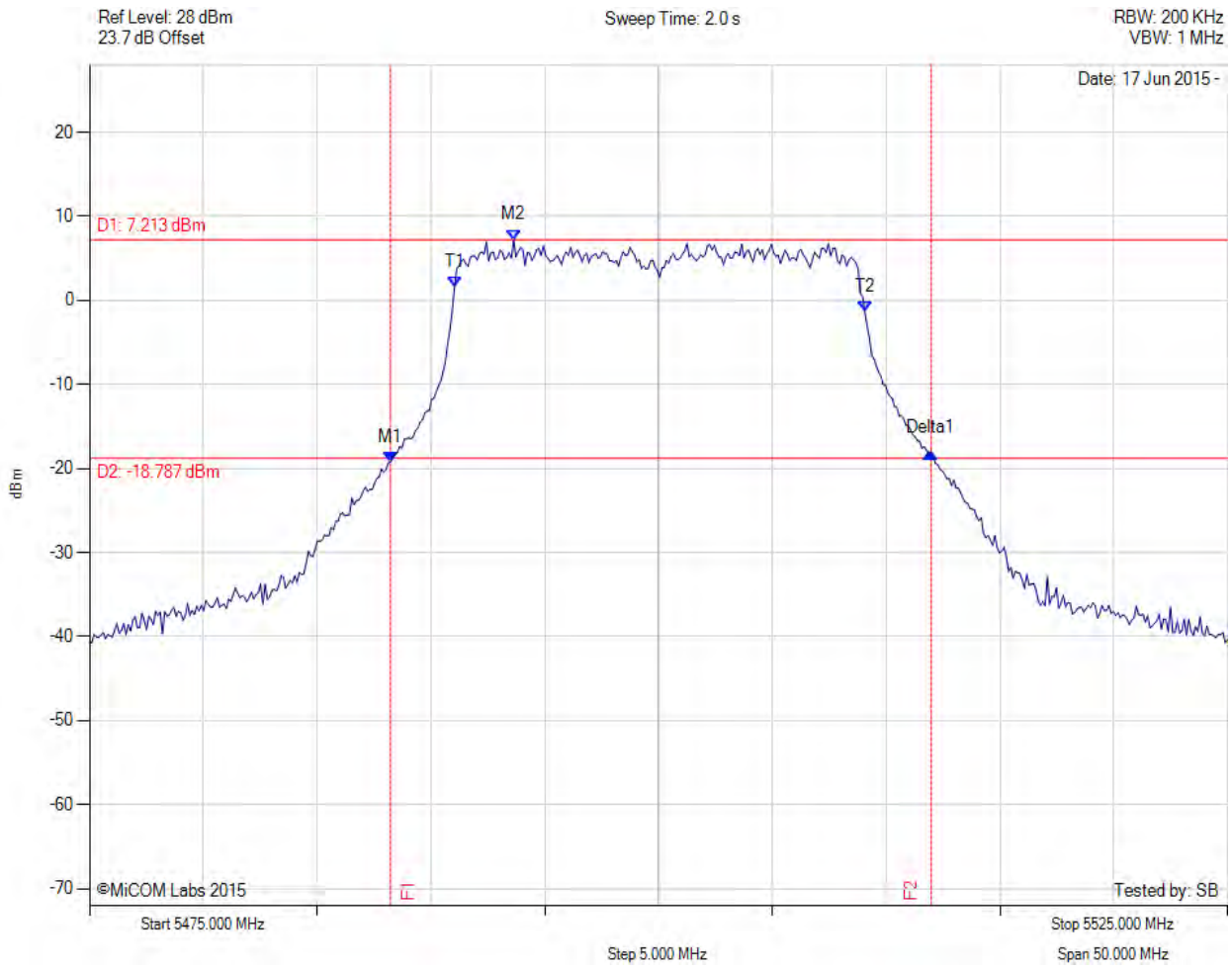
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.226 MHz : -19.242 dBm M2 : 5493.637 MHz : 7.213 dBm Delta1 : 23.747 MHz : 1.123 dB T1 : 5491.032 MHz : 1.537 dBm T2 : 5509.068 MHz : -1.384 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.036 MHz

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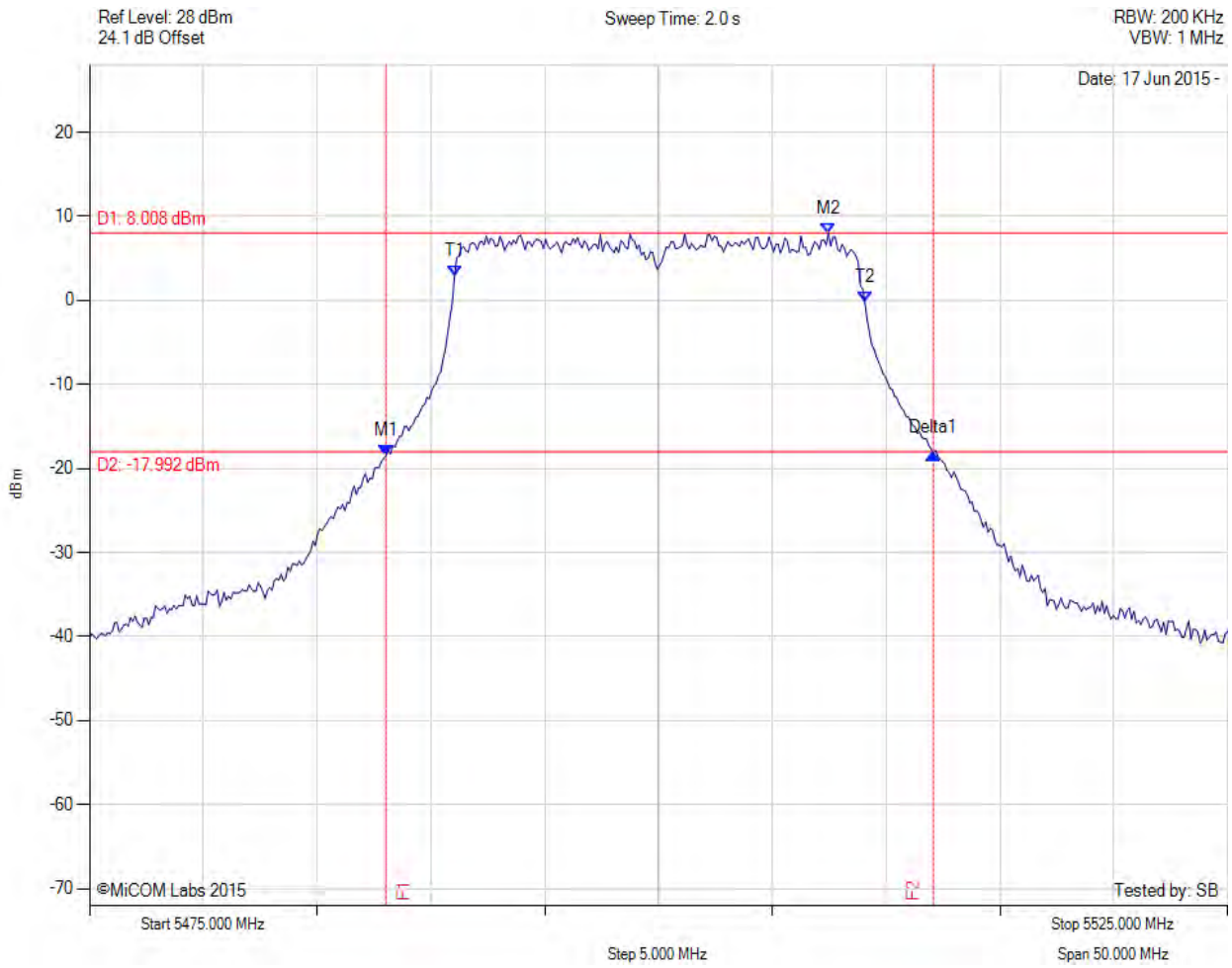
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5500.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.026 MHz : -18.508 dBm M2 : 5507.465 MHz : 8.008 dBm Delta1 : 24.048 MHz : 0.317 dB T1 : 5491.032 MHz : 2.824 dBm T2 : 5509.068 MHz : -0.257 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.036 MHz

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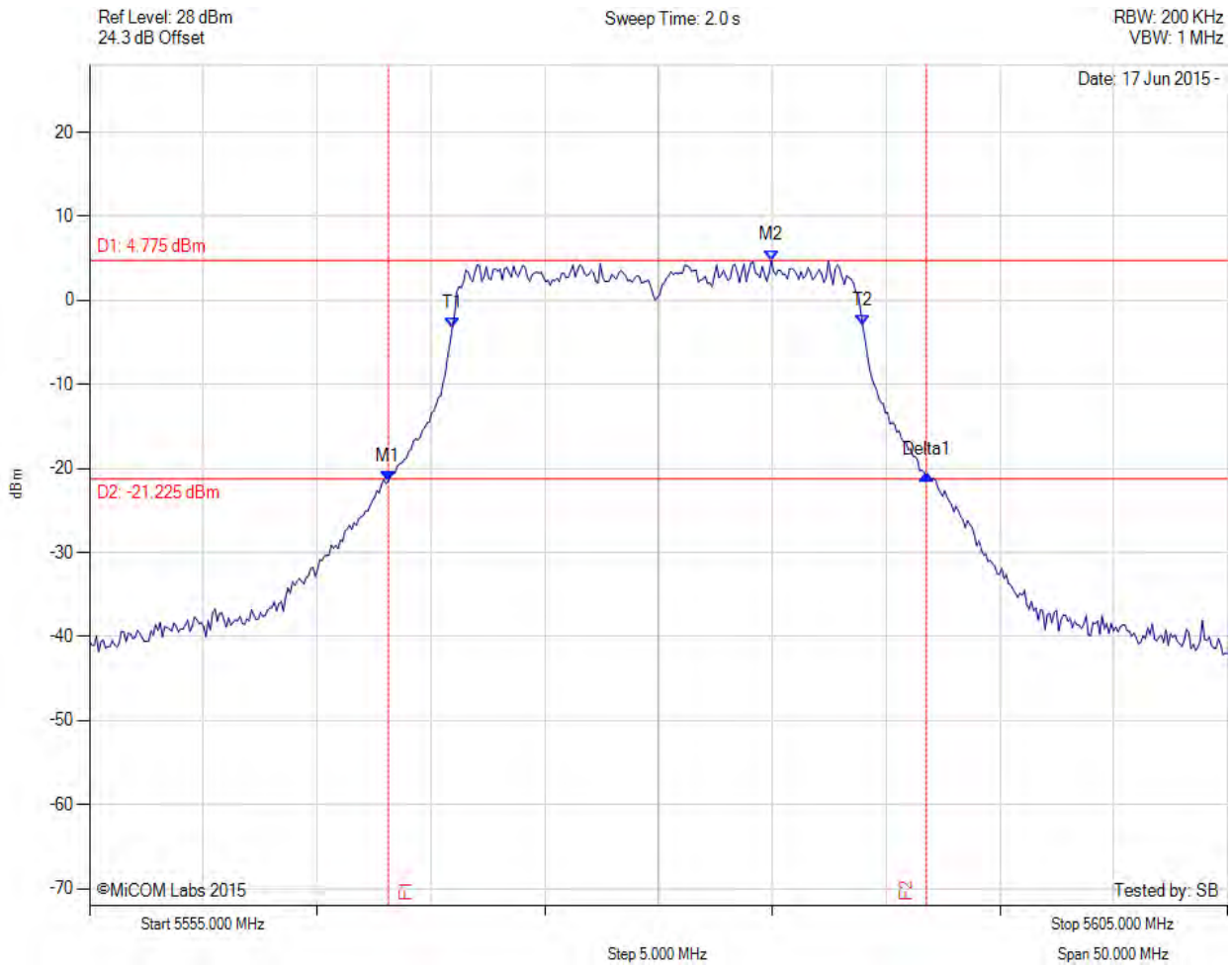
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.126 MHz : -21.487 dBm M2 : 5584.960 MHz : 4.775 dBm Delta1 : 23.647 MHz : 0.708 dB T1 : 5570.932 MHz : -3.301 dBm T2 : 5588.968 MHz : -2.950 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.647 MHz Measured 99% Bandwidth: 18.036 MHz

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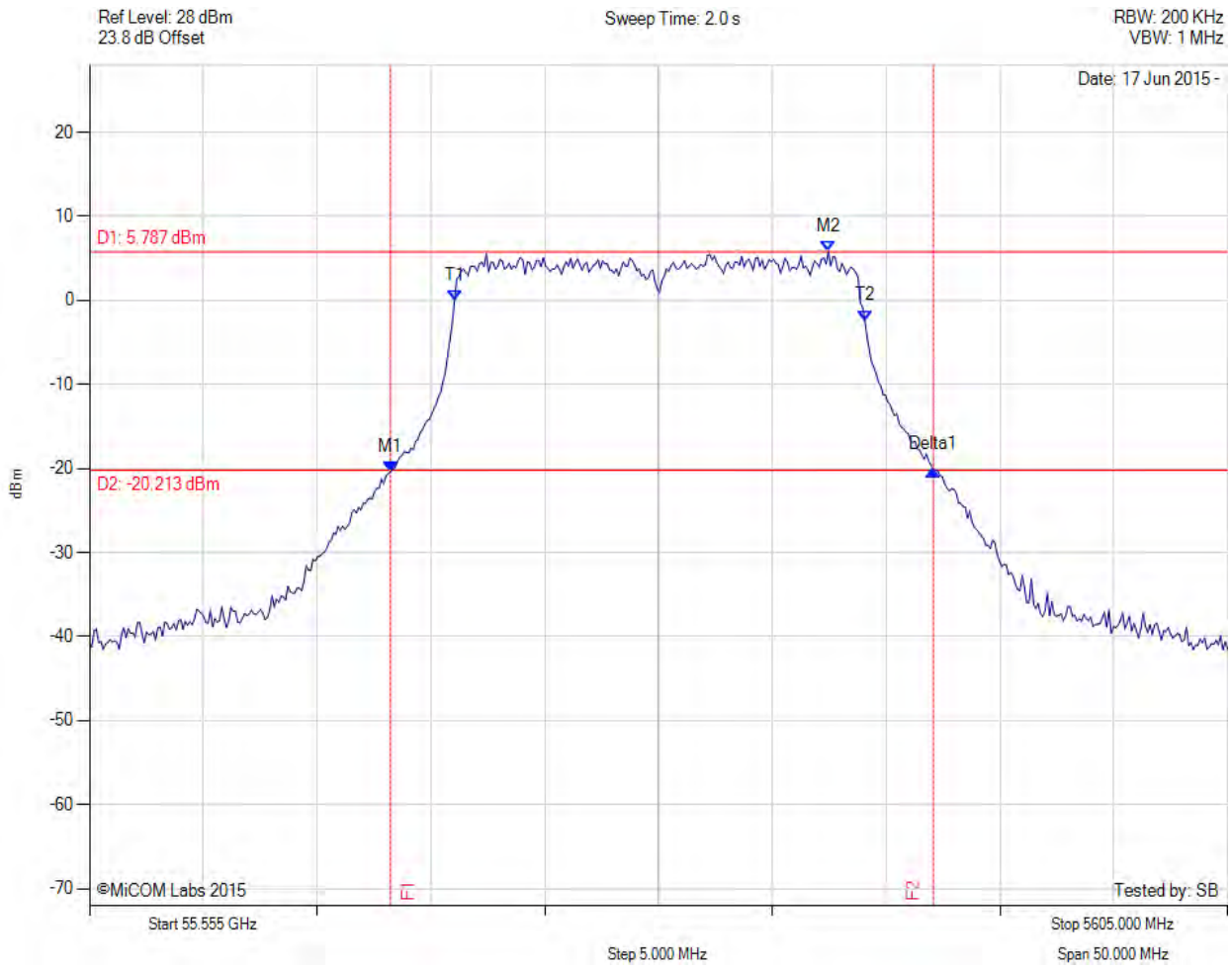
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.226 MHz : -20.385 dBm M2 : 5587.465 MHz : 5.787 dBm Delta1 : 23.848 MHz : 0.228 dB T1 : 5571.032 MHz : -0.047 dBm T2 : 5589.068 MHz : -2.409 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.848 MHz Measured 99% Bandwidth: 18.036 MHz

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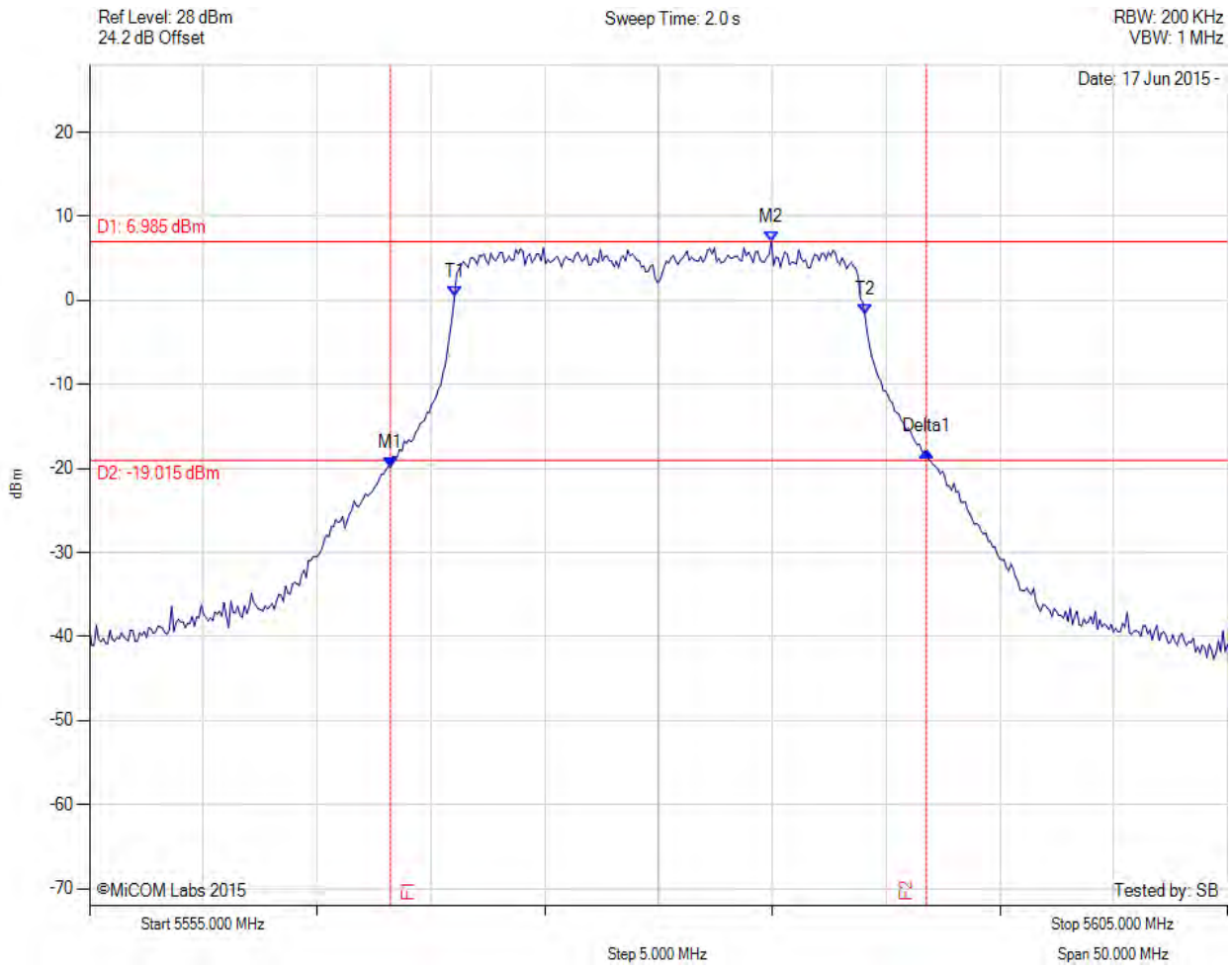
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5580.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5568.226 MHz : -19.895 dBm M2 : 5584.960 MHz : 6.985 dBm Delta1 : 23.547 MHz : 2.011 dB T1 : 5571.032 MHz : 0.412 dBm T2 : 5589.068 MHz : -1.678 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 18.036 MHz

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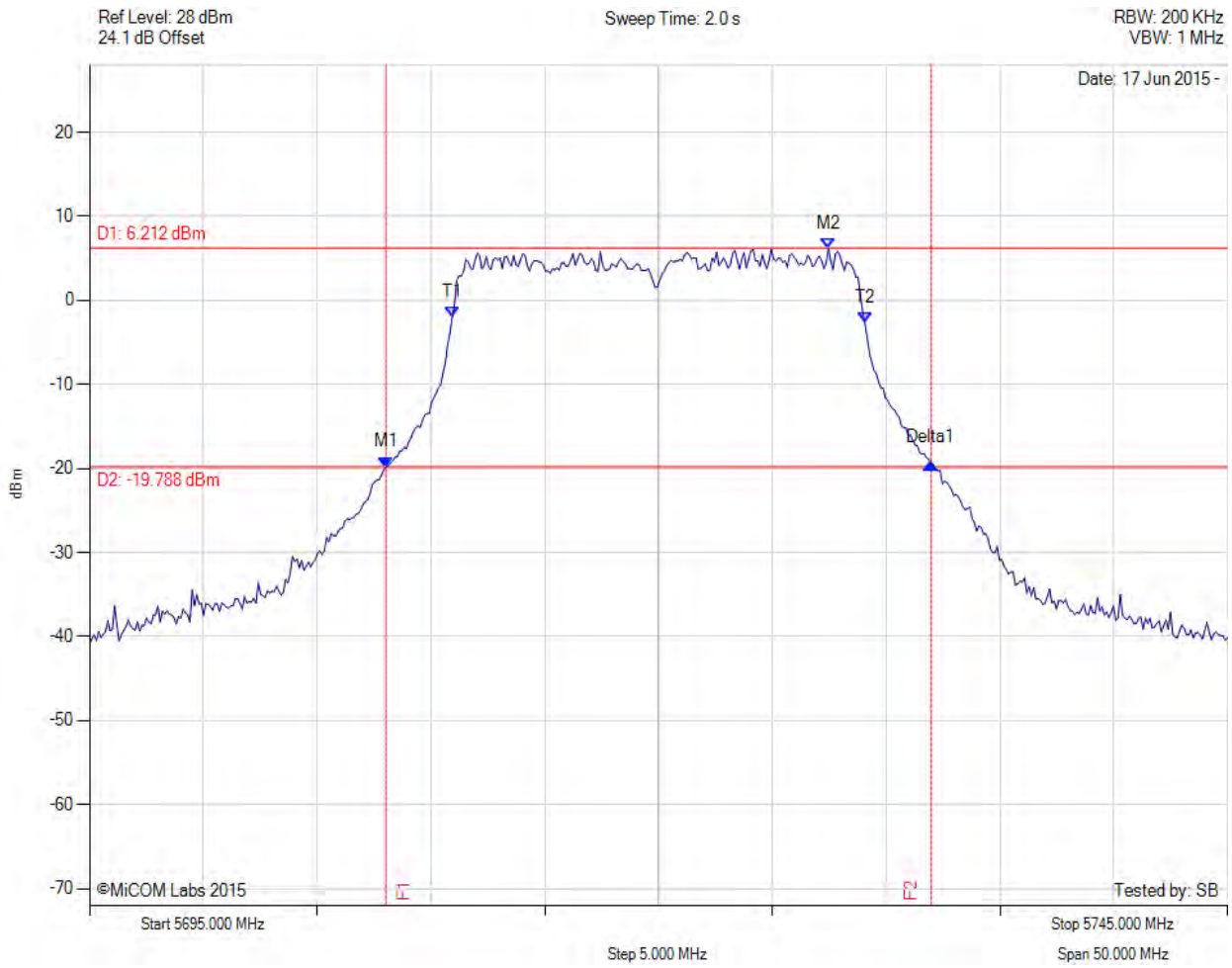
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.026 MHz : -19.826 dBm M2 : 5727.465 MHz : 6.212 dBm Delta1 : 23.948 MHz : 0.478 dB T1 : 5710.932 MHz : -1.984 dBm T2 : 5729.068 MHz : -2.669 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.948 MHz Measured 99% Bandwidth: 18.136 MHz

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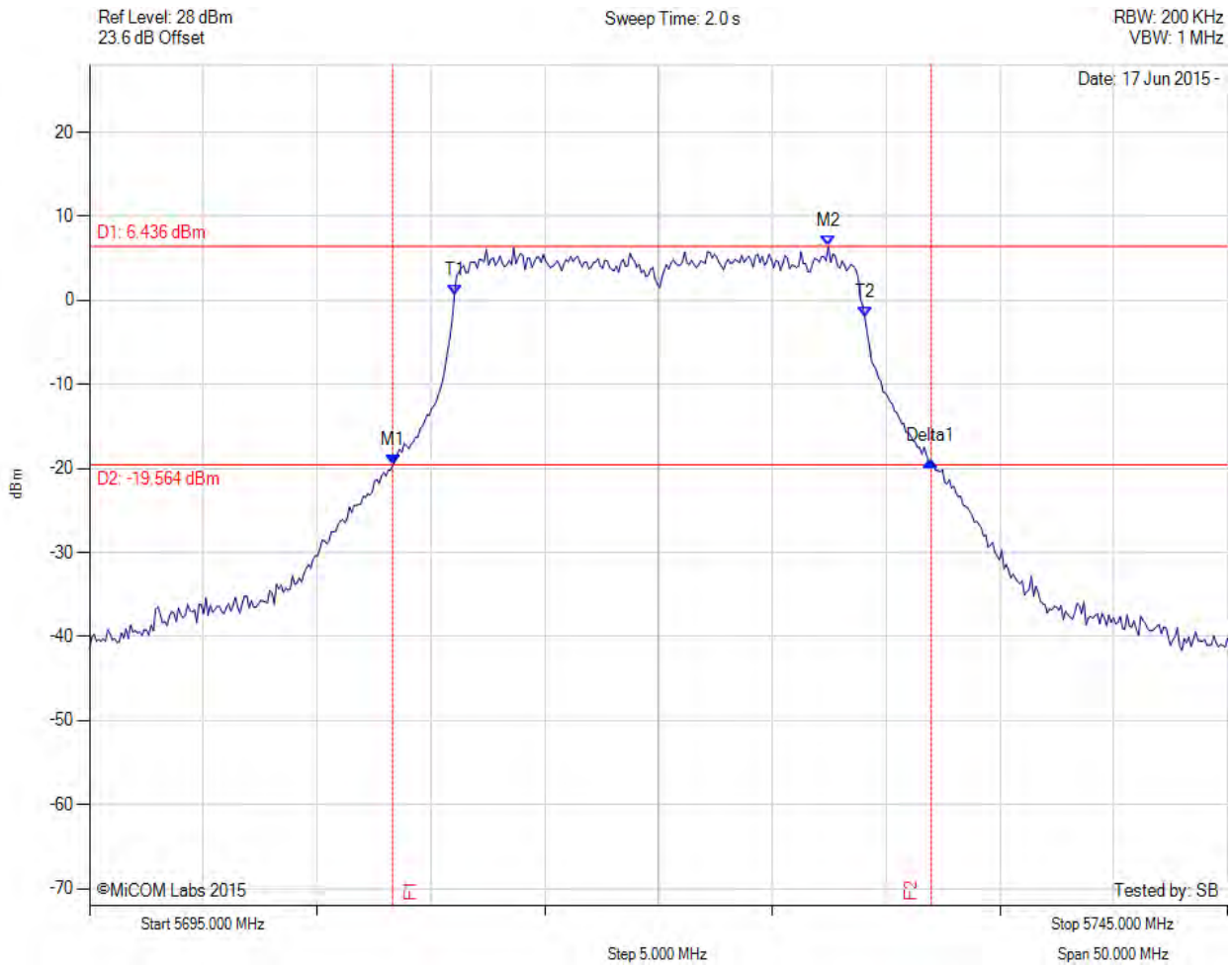
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.327 MHz : -19.588 dBm M2 : 5727.465 MHz : 6.436 dBm Delta1 : 23.647 MHz : 0.541 dB T1 : 5711.032 MHz : 0.681 dBm T2 : 5729.068 MHz : -2.012 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.647 MHz Measured 99% Bandwidth: 18.036 MHz

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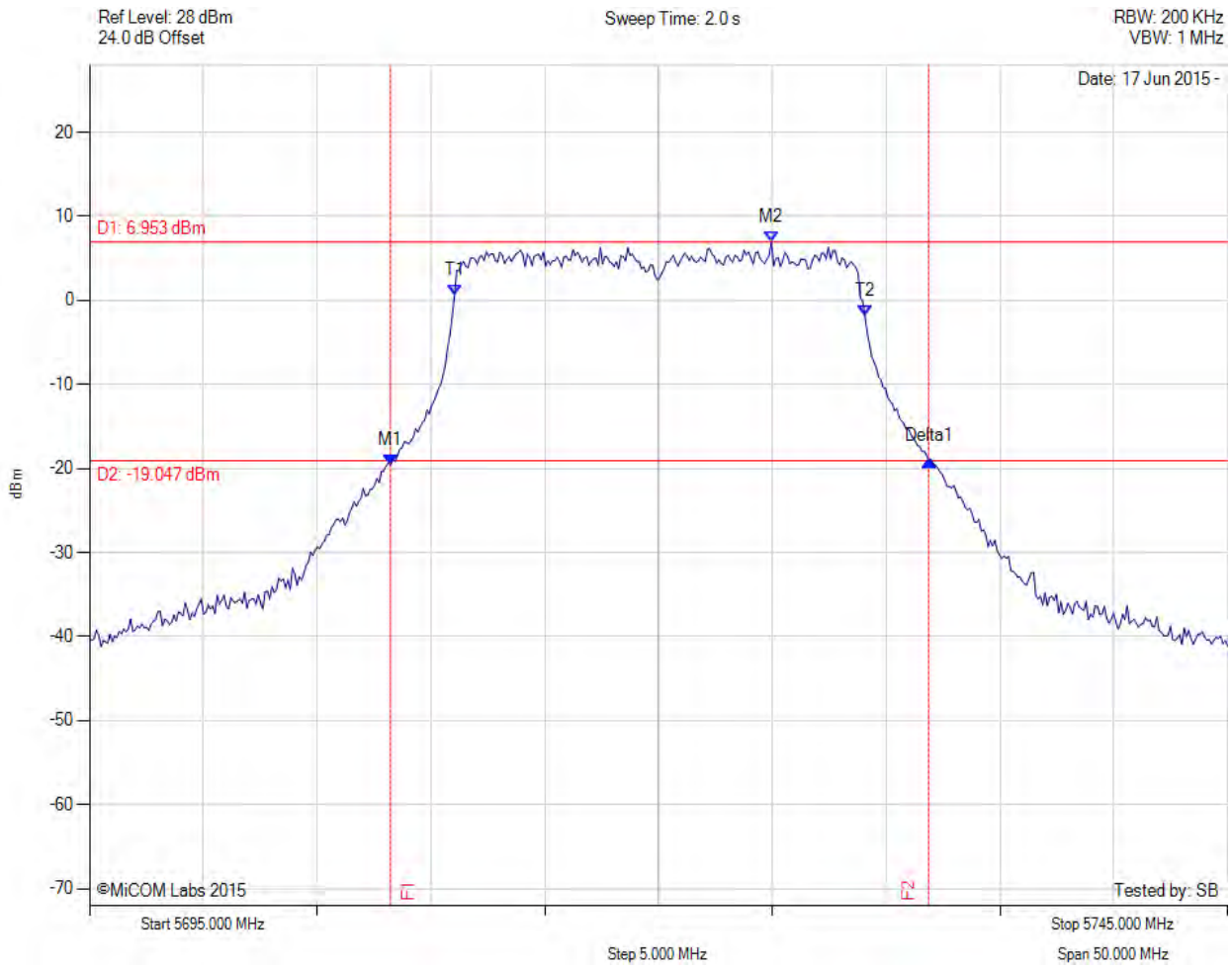
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5720.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5708.226 MHz : -19.549 dBm M2 : 5724.960 MHz : 6.953 dBm Delta1 : 23.647 MHz : 0.476 dB T1 : 5711.032 MHz : 0.546 dBm T2 : 5729.068 MHz : -1.803 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.647 MHz Measured 99% Bandwidth: 18.036 MHz

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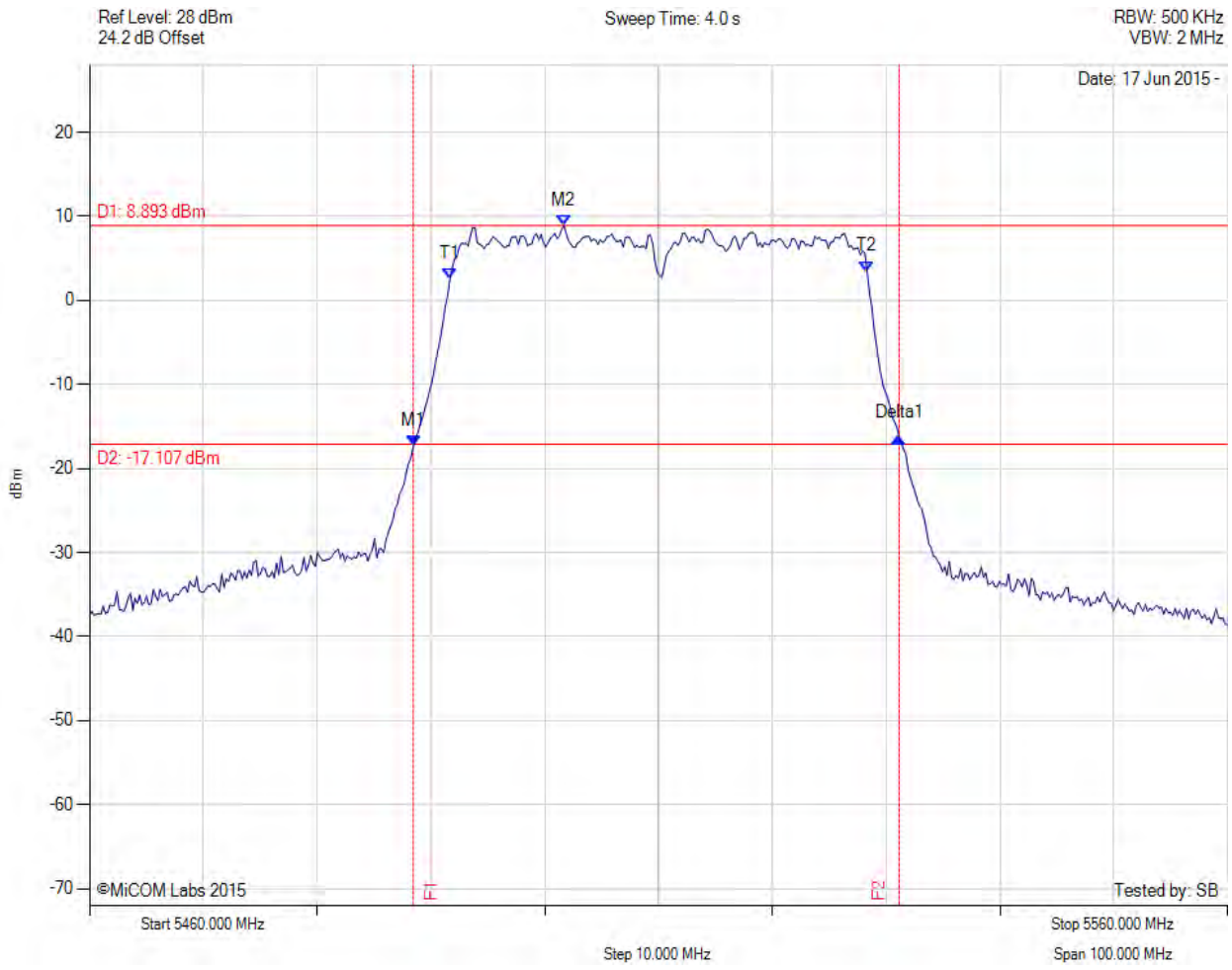
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.457 MHz : -17.330 dBm M2 : 5501.683 MHz : 8.893 dBm Delta1 : 42.685 MHz : 0.980 dB T1 : 5491.663 MHz : 2.503 dBm T2 : 5528.337 MHz : 3.465 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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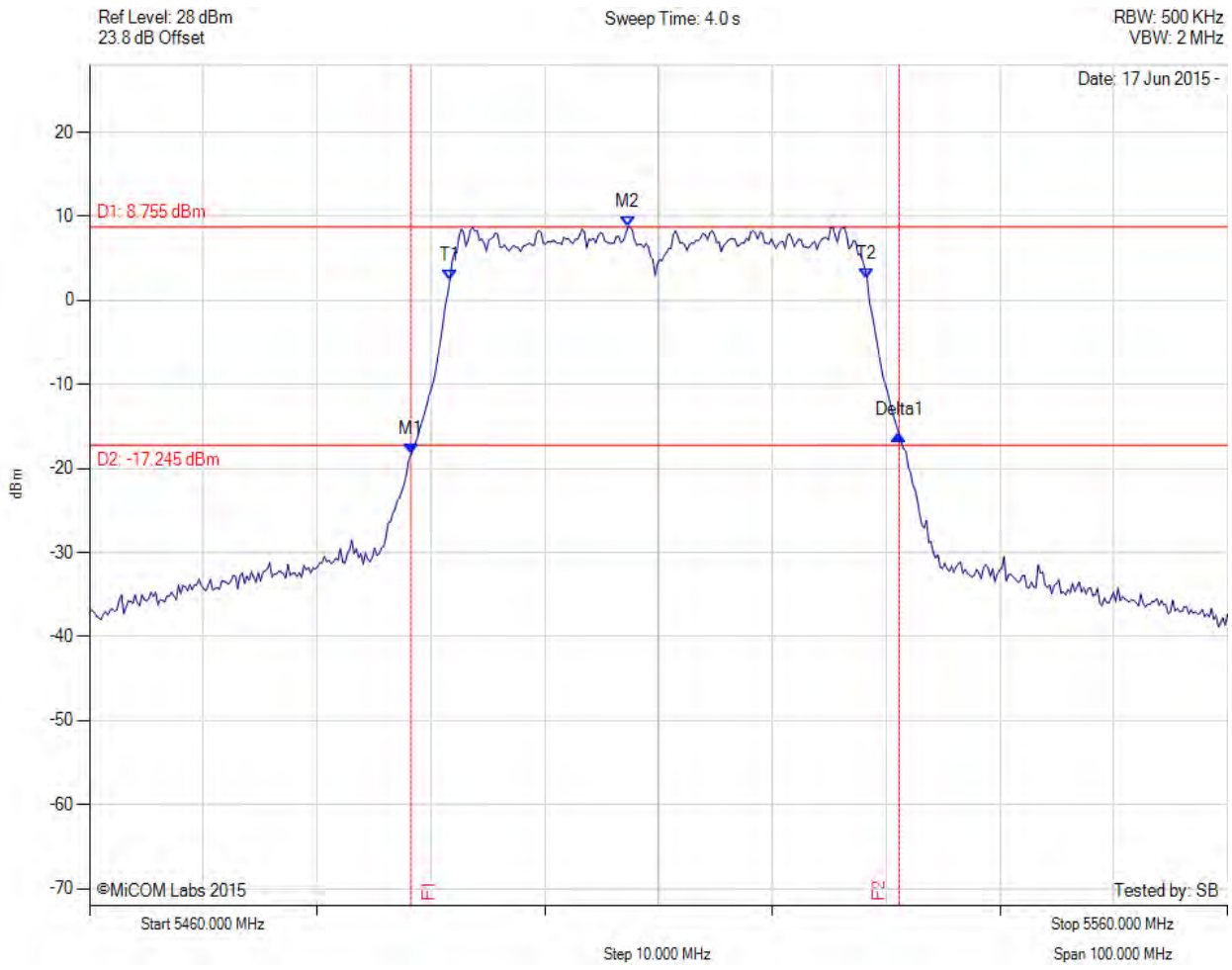
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.257 MHz : -18.302 dBm M2 : 5507.295 MHz : 8.755 dBm Delta1 : 42.886 MHz : 2.363 dB T1 : 5491.663 MHz : 2.428 dBm T2 : 5528.337 MHz : 2.550 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

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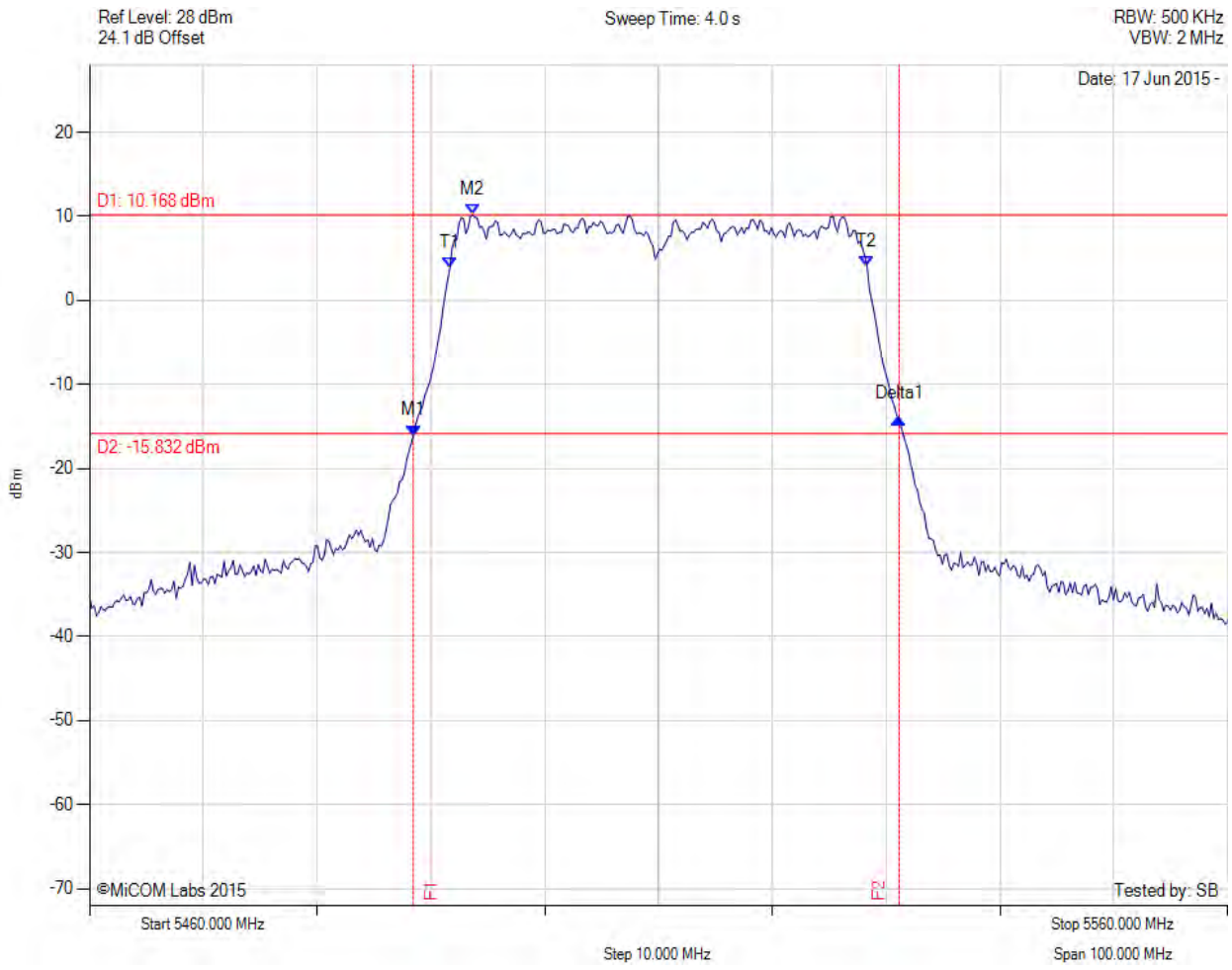
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5510.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5488.457 MHz : -16.073 dBm M2 : 5493.667 MHz : 10.168 dBm Delta1 : 42.685 MHz : 2.030 dB T1 : 5491.663 MHz : 3.849 dBm T2 : 5528.337 MHz : 4.018 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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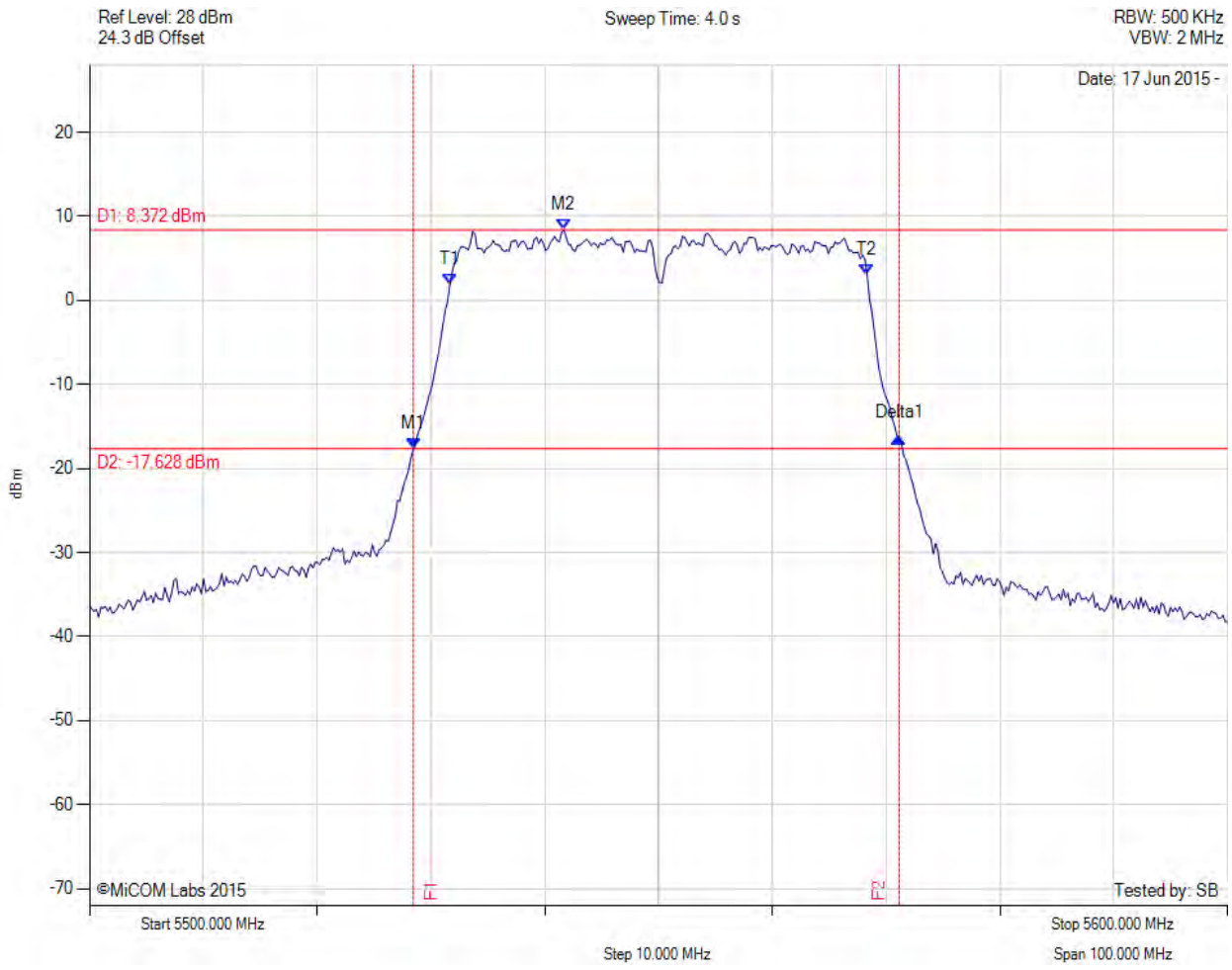
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5528.457 MHz : -17.674 dBm M2 : 5541.683 MHz : 8.372 dBm Delta1 : 42.685 MHz : 1.359 dB T1 : 5531.663 MHz : 1.974 dBm T2 : 5568.337 MHz : 3.013 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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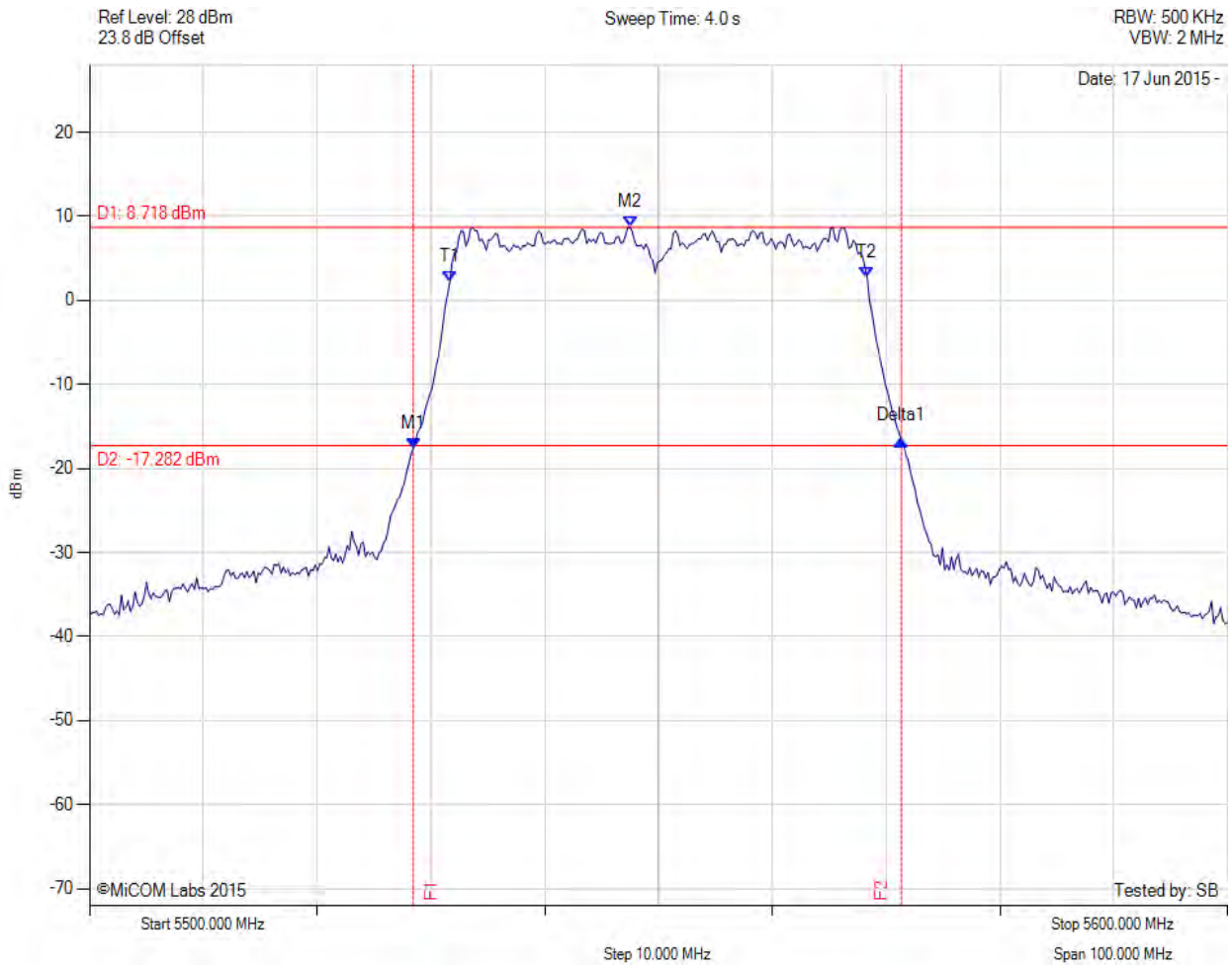
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

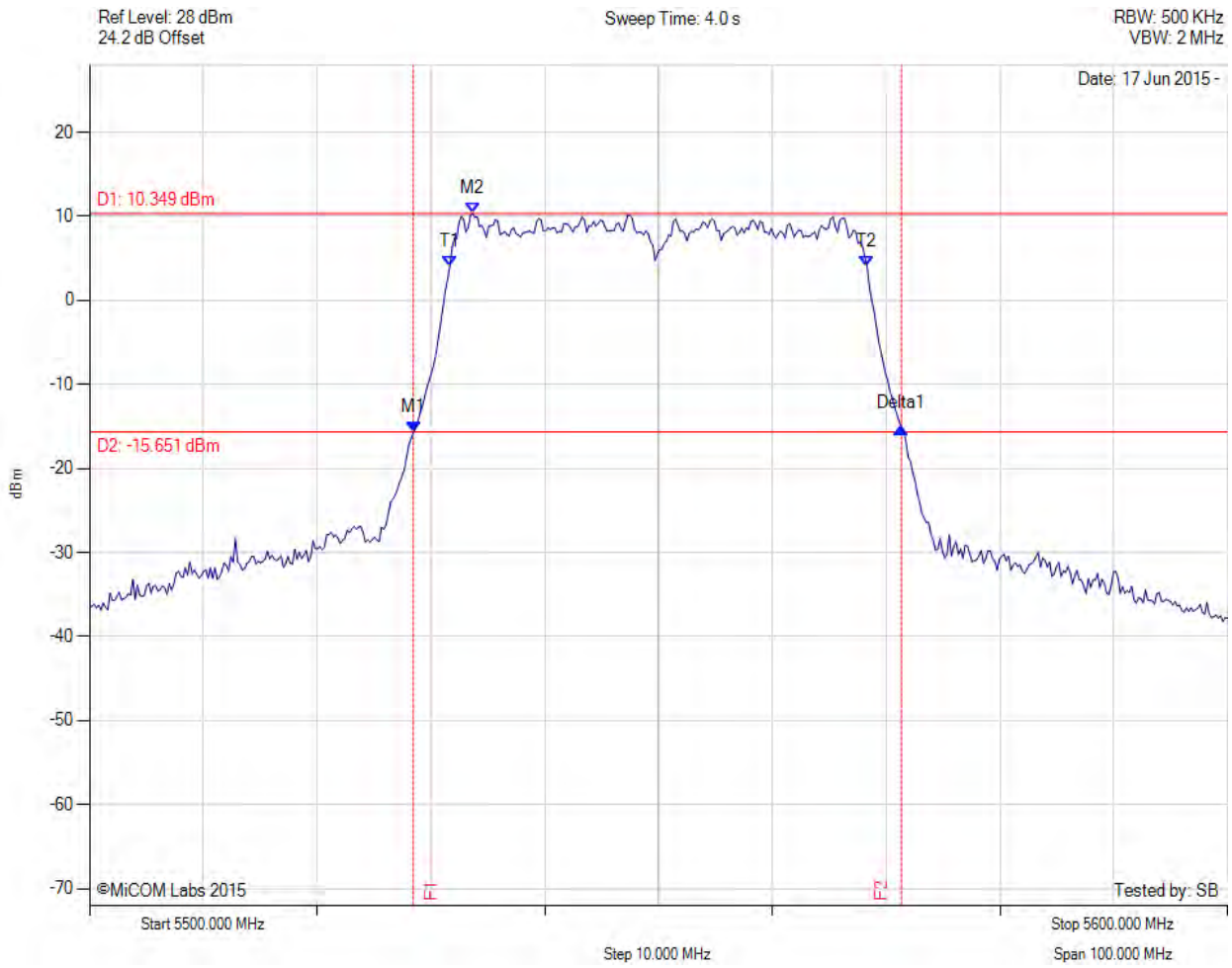


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5528.457 MHz : -17.580 dBm M2 : 5547.495 MHz : 8.718 dBm Delta1 : 42.886 MHz : 0.877 dB T1 : 5531.663 MHz : 2.245 dBm T2 : 5568.337 MHz : 2.802 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5550.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5528.457 MHz : -15.697 dBm M2 : 5533.667 MHz : 10.349 dBm Delta1 : 42.886 MHz : 0.539 dB T1 : 5531.663 MHz : 4.075 dBm T2 : 5568.337 MHz : 4.010 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

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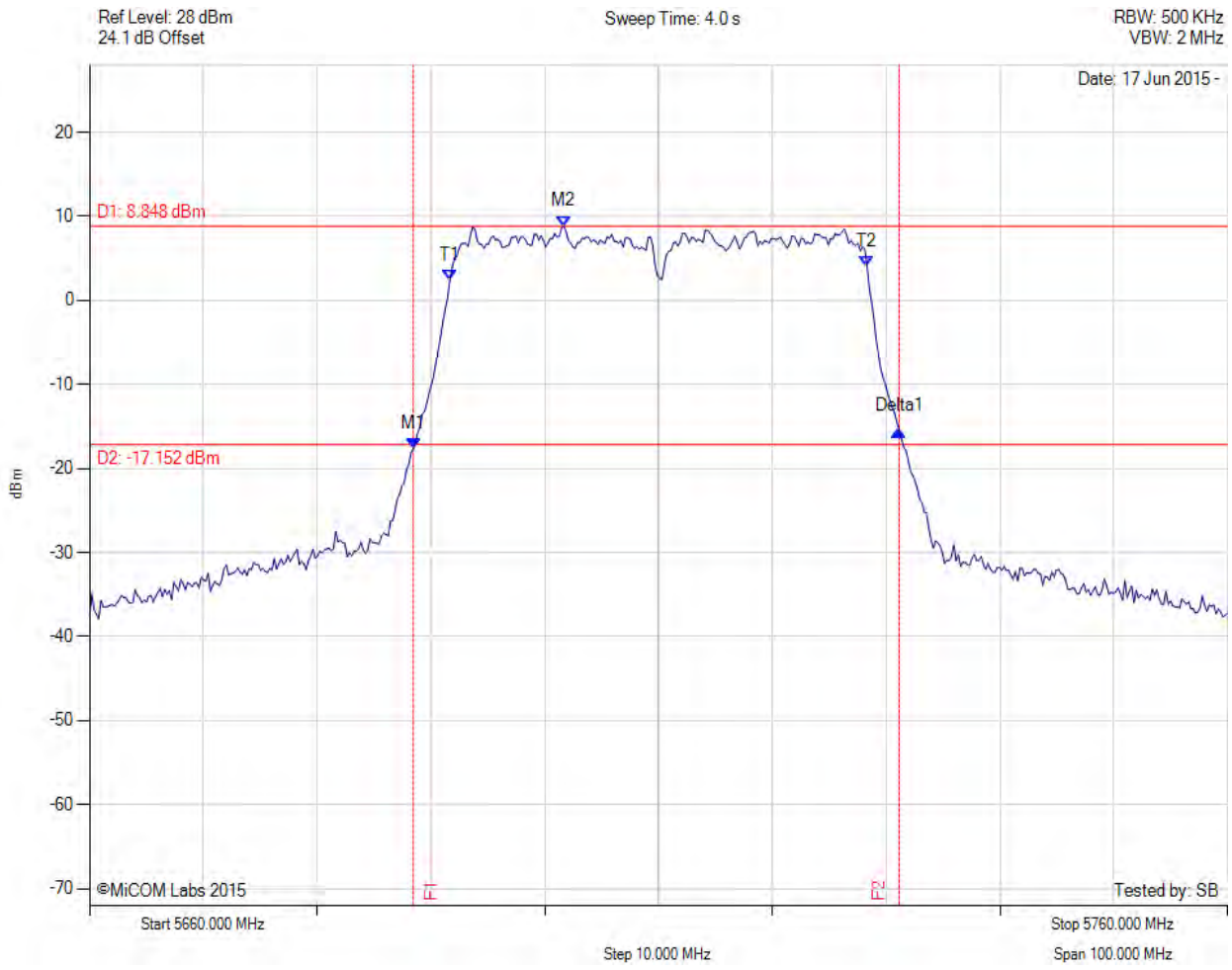
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

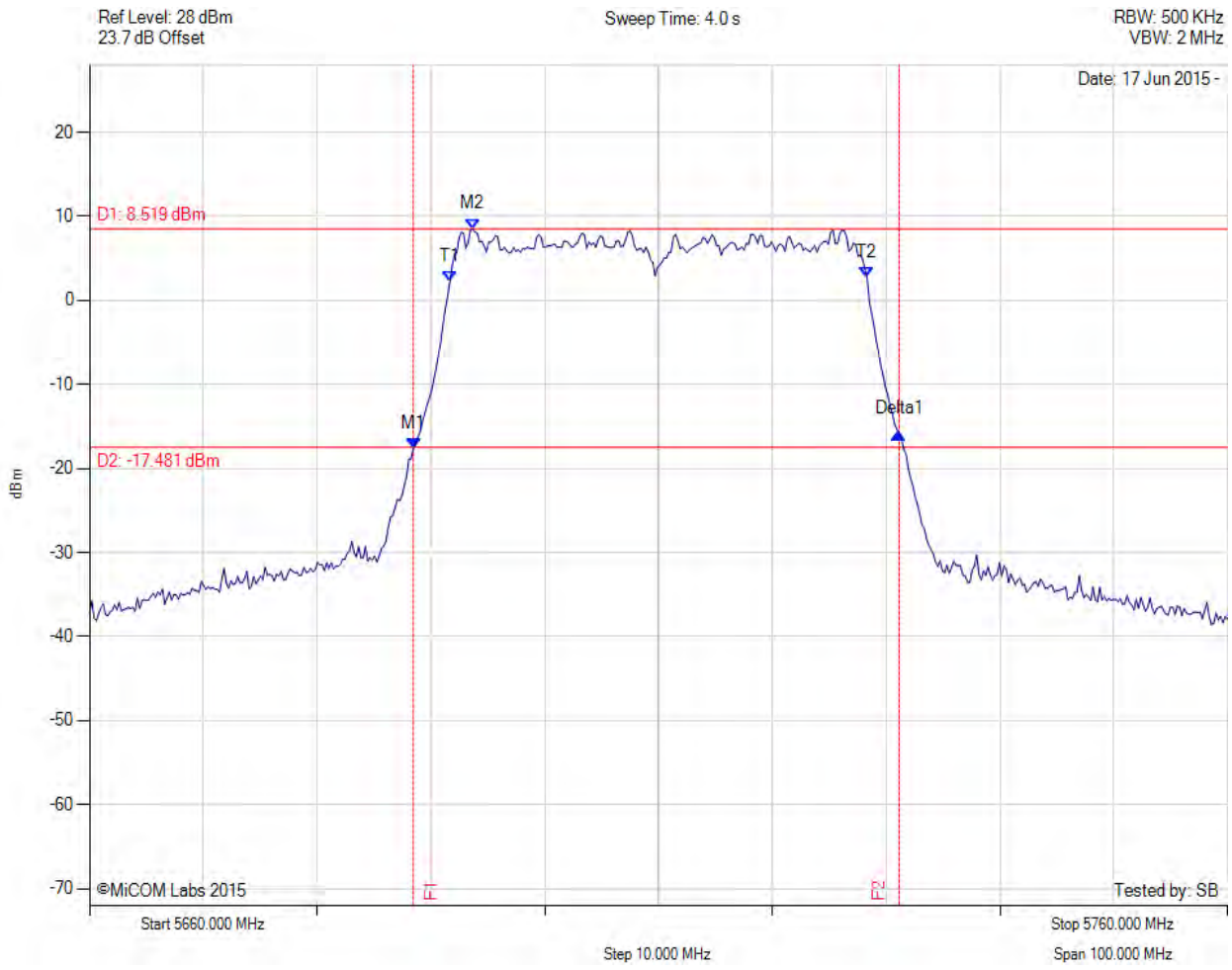


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5688.457 MHz : -17.635 dBm M2 : 5701.683 MHz : 8.848 dBm Delta1 : 42.685 MHz : 2.162 dB T1 : 5691.663 MHz : 2.389 dBm T2 : 5728.337 MHz : 3.969 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

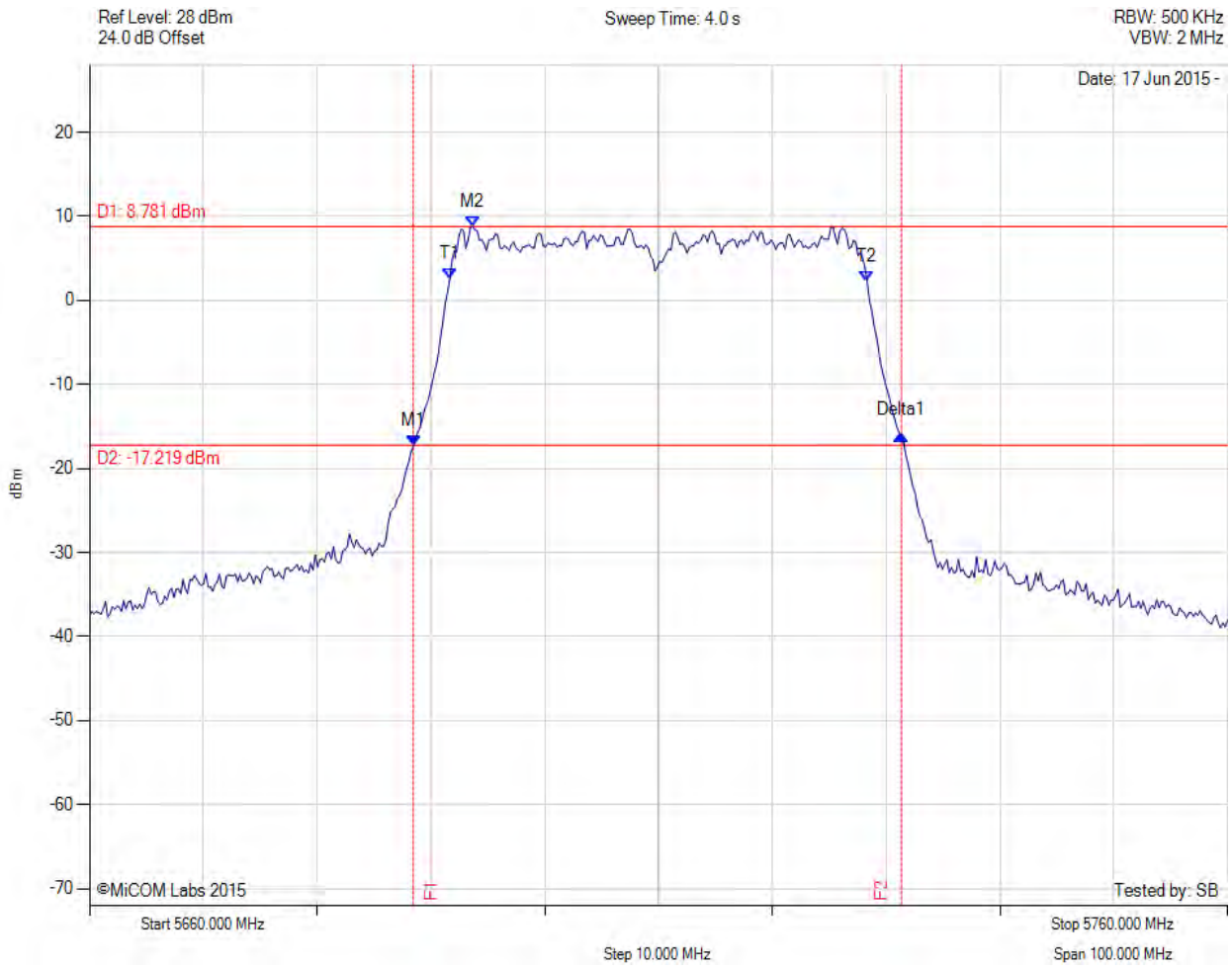


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5688.457 MHz : -17.607 dBm M2 : 5693.667 MHz : 8.519 dBm Delta1 : 42.685 MHz : 1.712 dB T1 : 5691.663 MHz : 2.182 dBm T2 : 5728.337 MHz : 2.666 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5710.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc

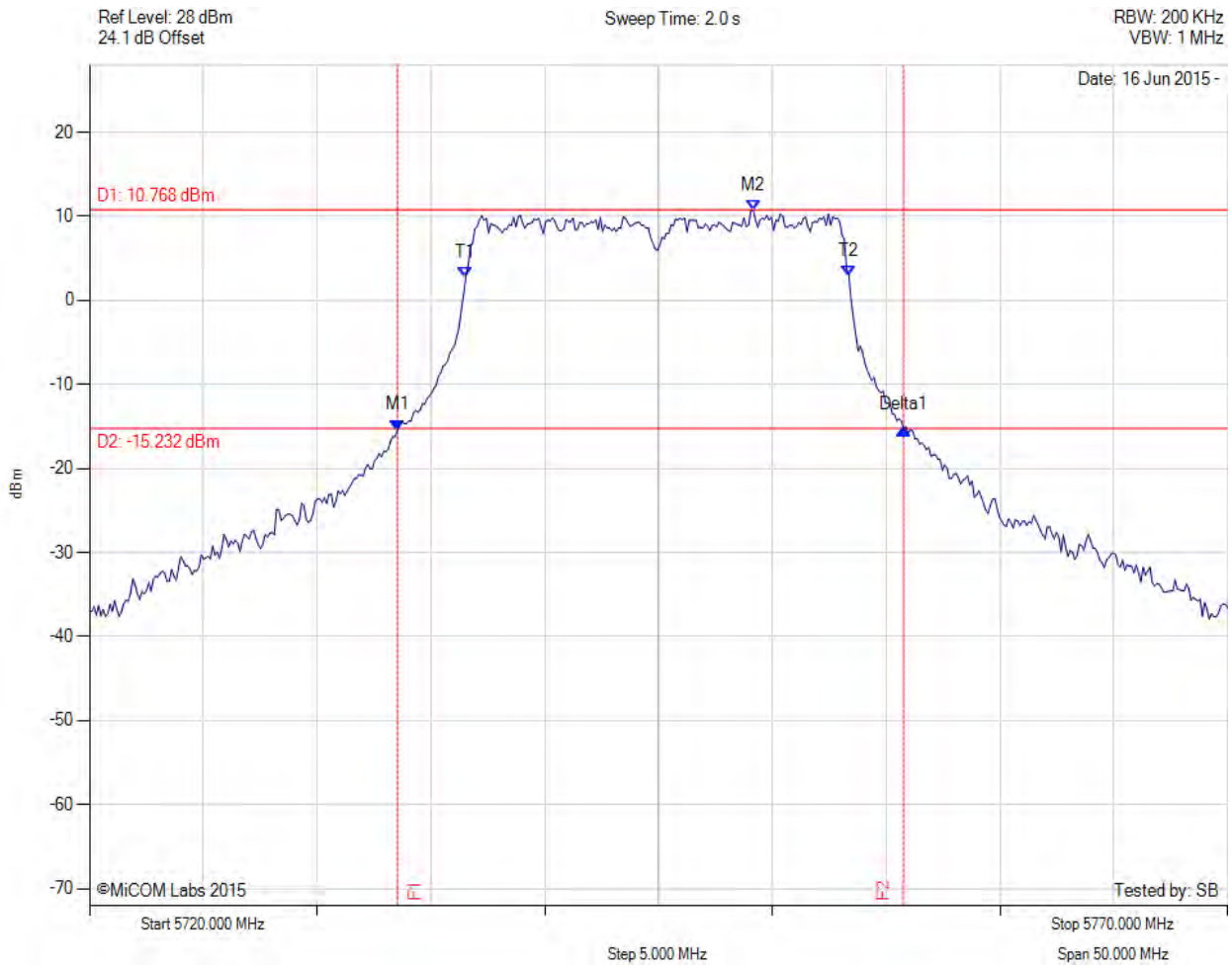


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5688.457 MHz : -17.314 dBm M2 : 5693.667 MHz : 8.781 dBm Delta1 : 42.886 MHz : 1.346 dB T1 : 5691.663 MHz : 2.623 dBm T2 : 5728.337 MHz : 2.275 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5745.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.527 MHz : -15.429 dBm M2 : 5749.158 MHz : 10.768 dBm Delta1 : 22.244 MHz : 0.041 dB T1 : 5736.533 MHz : 2.741 dBm T2 : 5753.367 MHz : 2.912 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.244 MHz Measured 99% Bandwidth: 16.834 MHz

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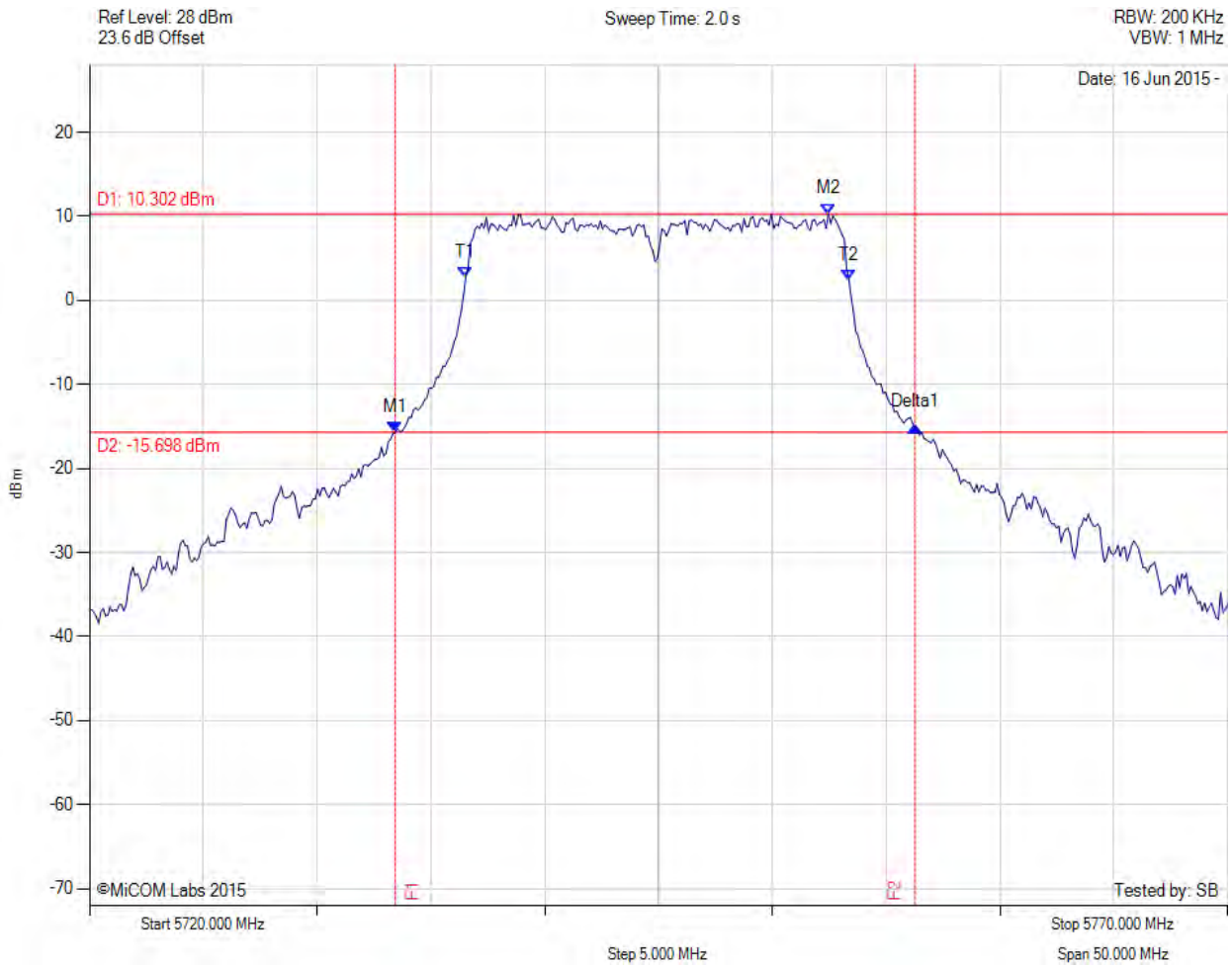
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5745.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.427 MHz : -15.738 dBm M2 : 5752.465 MHz : 10.302 dBm Delta1 : 22.846 MHz : 0.724 dB T1 : 5736.533 MHz : 2.790 dBm T2 : 5753.367 MHz : 2.407 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 16.834 MHz

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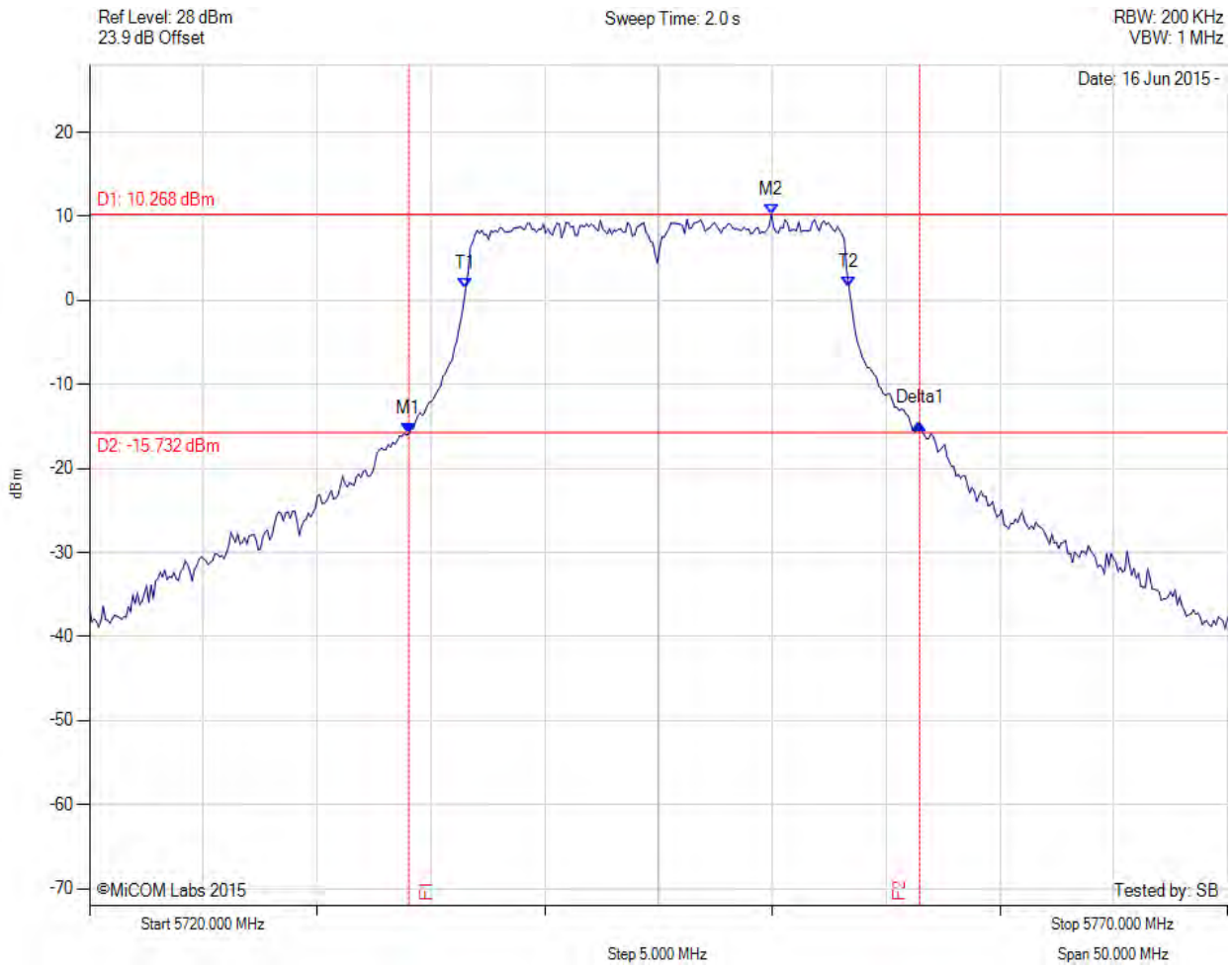
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5745.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5734.028 MHz : -15.896 dBm M2 : 5749.960 MHz : 10.268 dBm Delta1 : 22.445 MHz : 1.277 dB T1 : 5736.533 MHz : 1.488 dBm T2 : 5753.367 MHz : 1.523 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.445 MHz Measured 99% Bandwidth: 16.834 MHz

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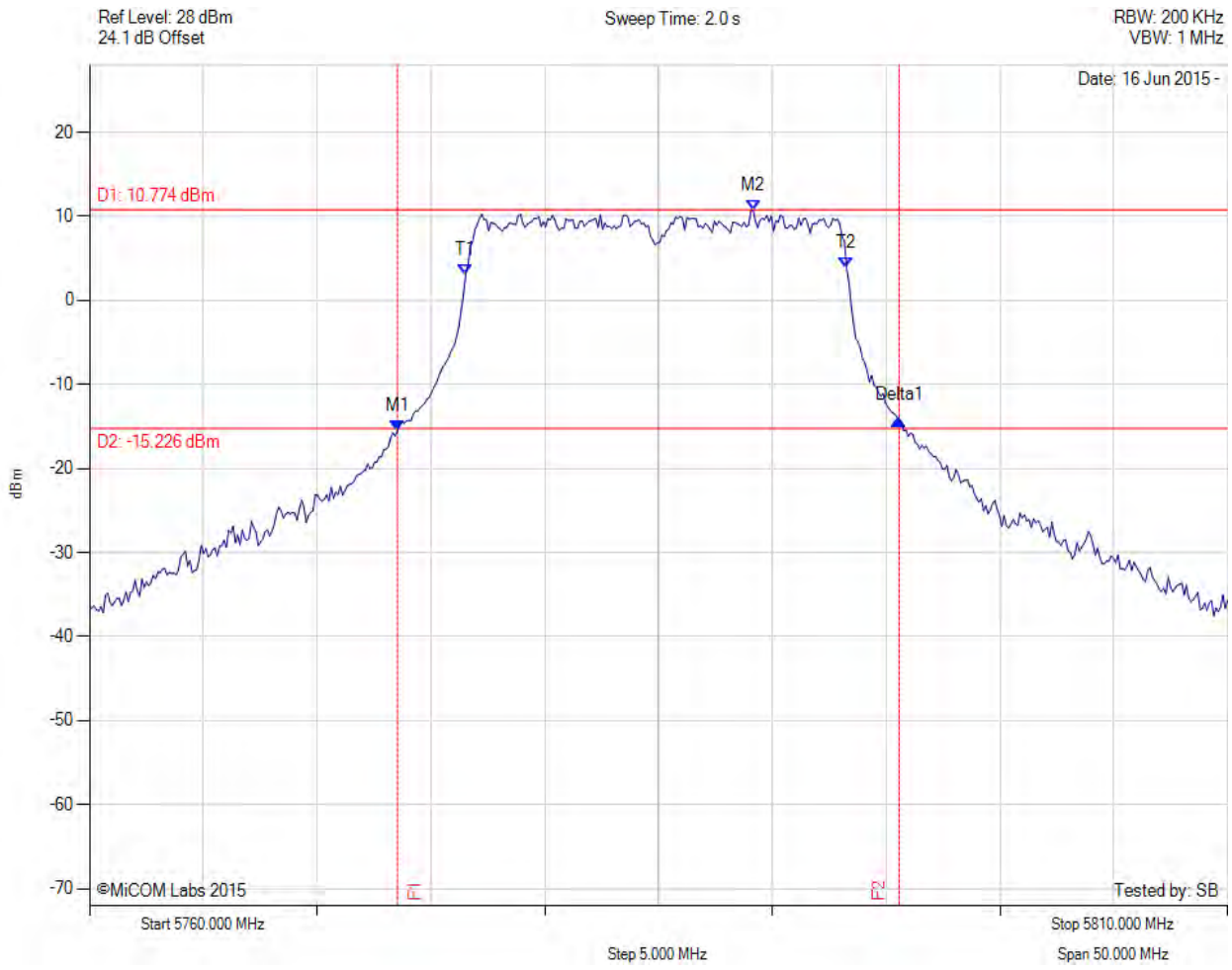
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5785.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc

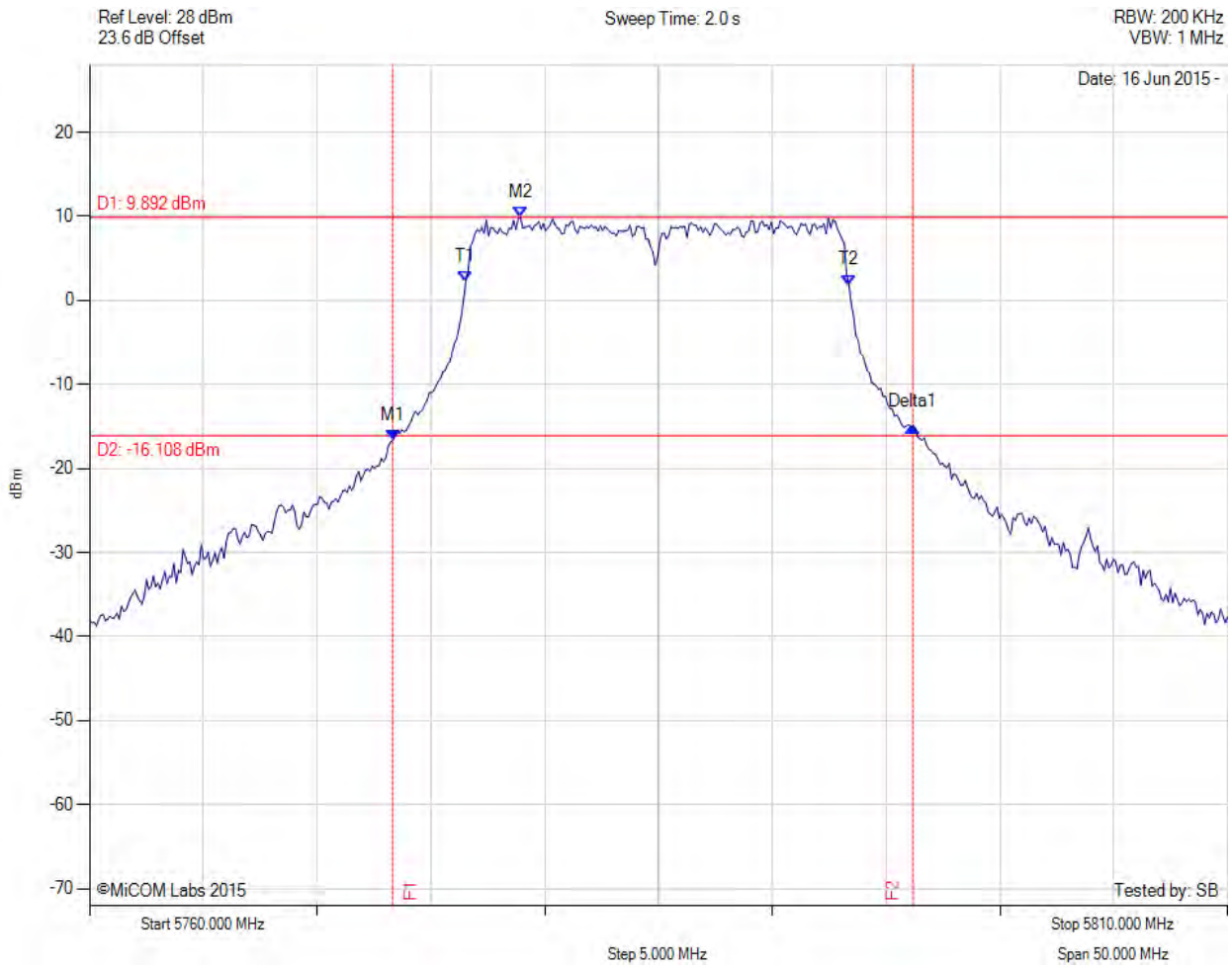


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.527 MHz : -15.547 dBm M2 : 5789.158 MHz : 10.774 dBm Delta1 : 22.044 MHz : 1.310 dB T1 : 5776.533 MHz : 3.121 dBm T2 : 5793.267 MHz : 3.916 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 22.044 MHz Measured 99% Bandwidth: 16.733 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5785.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.327 MHz : -16.606 dBm M2 : 5778.938 MHz : 9.892 dBm Delta1 : 22.846 MHz : 1.525 dB T1 : 5776.533 MHz : 2.275 dBm T2 : 5793.367 MHz : 1.842 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.846 MHz Measured 99% Bandwidth: 16.834 MHz

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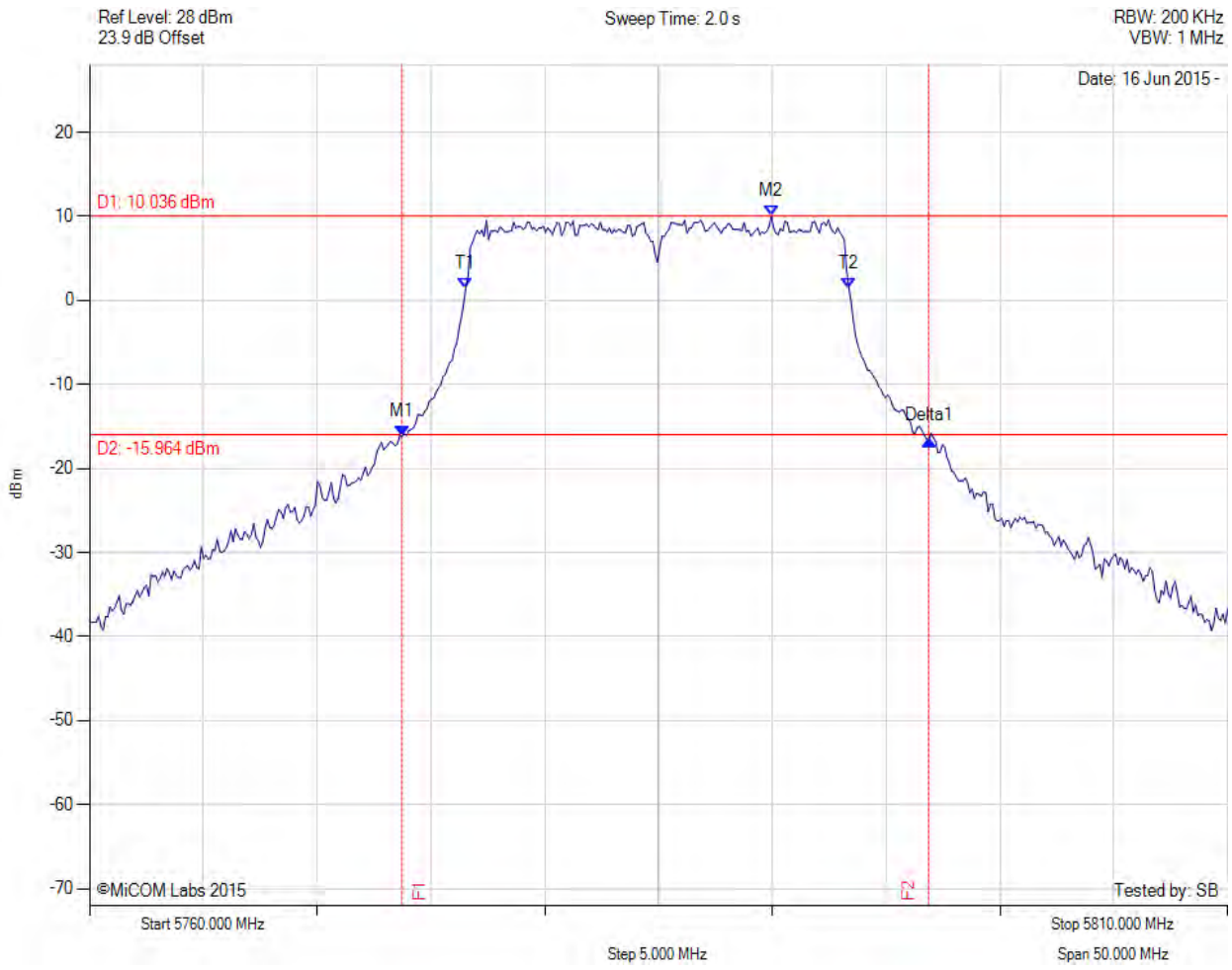
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5785.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.727 MHz : -16.163 dBm M2 : 5789.960 MHz : 10.036 dBm Delta1 : 23.146 MHz : -0.429 dB T1 : 5776.533 MHz : 1.476 dBm T2 : 5793.367 MHz : 1.435 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.146 MHz Measured 99% Bandwidth: 16.834 MHz

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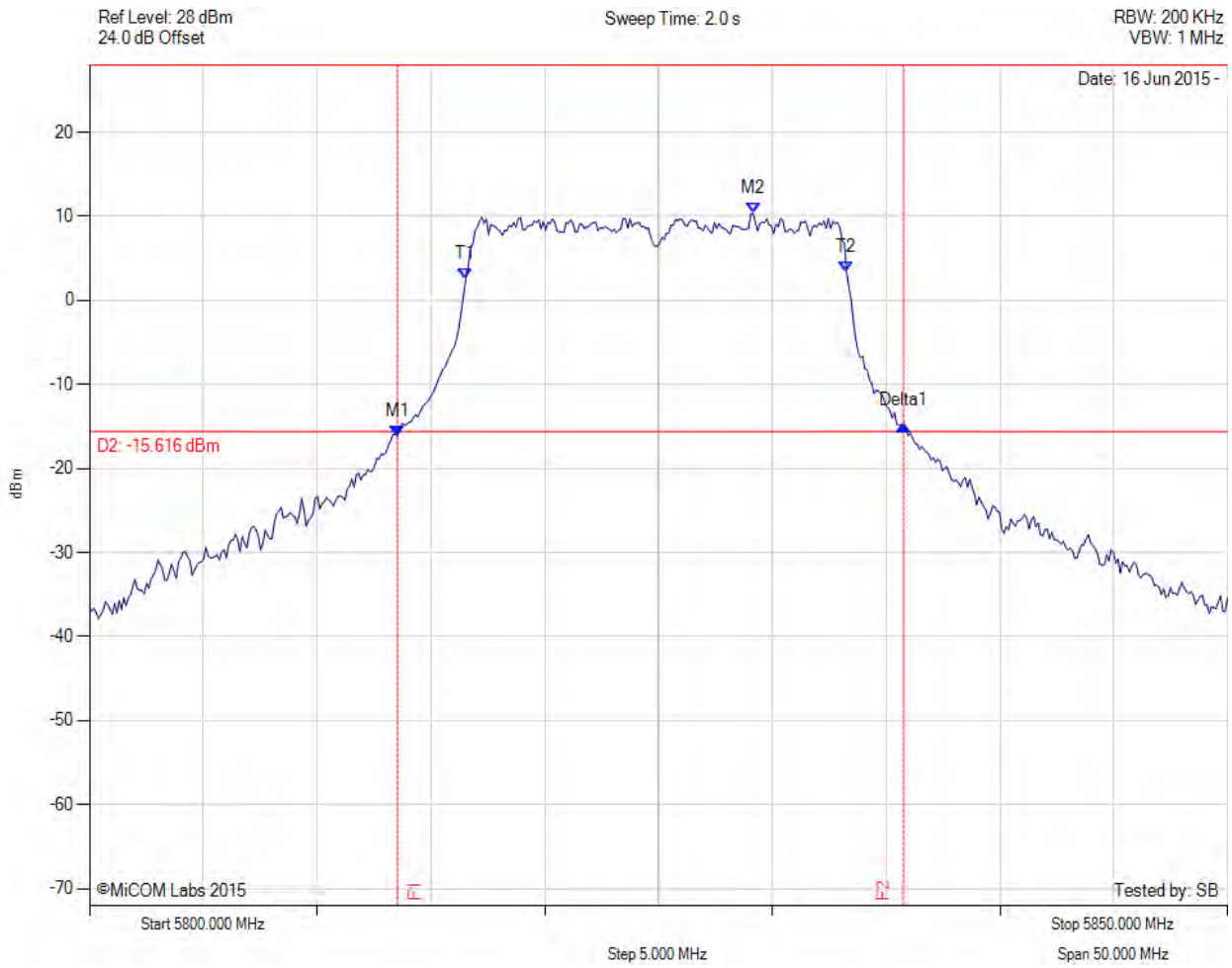
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5825.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5813.527 MHz : -16.114 dBm M2 : 5829.158 MHz : 10.384 dBm Delta1 : 22.244 MHz : 1.202 dB T1 : 5816.533 MHz : 2.548 dBm T2 : 5833.267 MHz : 3.394 dBm OBW : 16.733 MHz	Measured 26 dB Bandwidth: 22.244 MHz Measured 99% Bandwidth: 16.733 MHz

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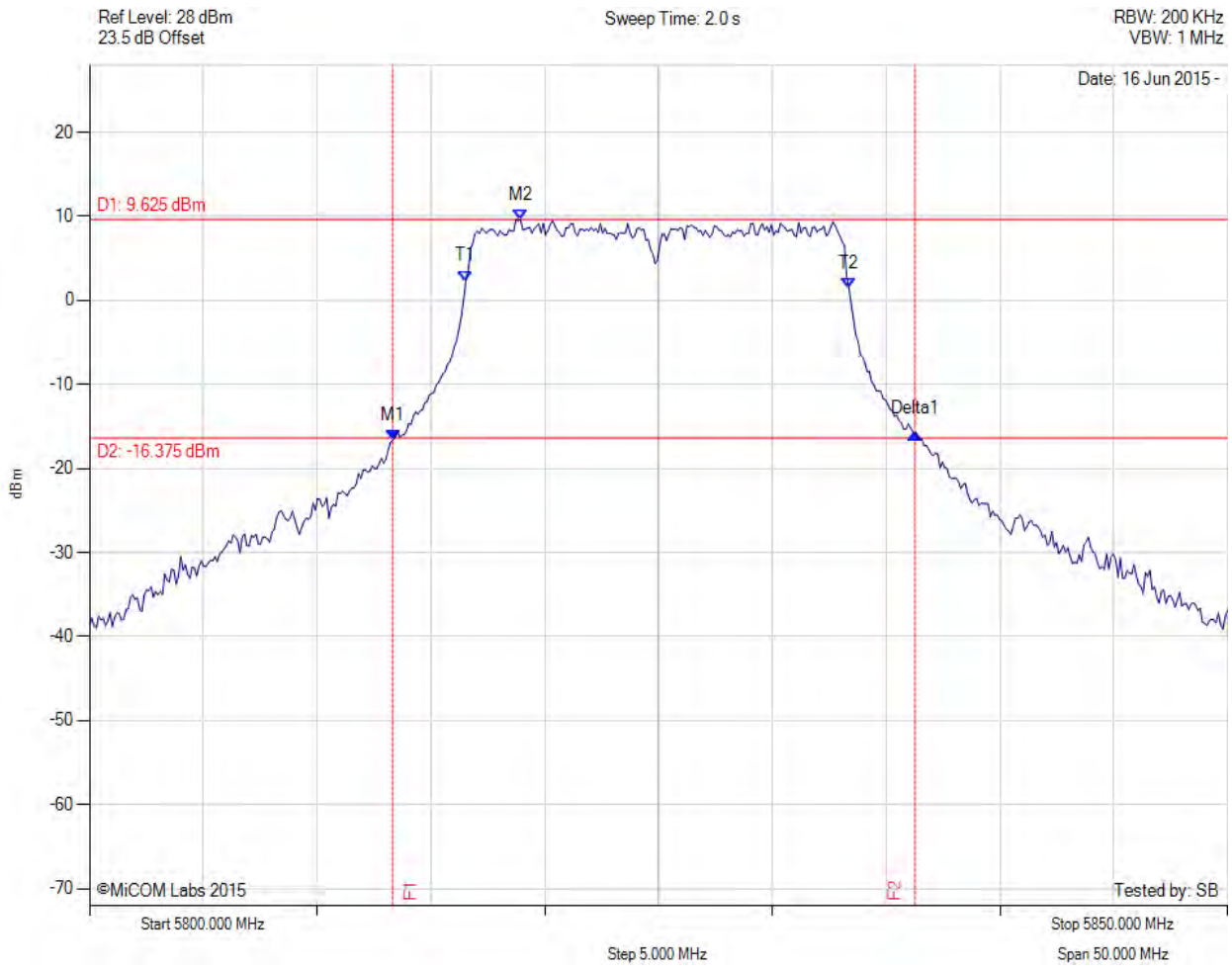
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5825.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5813.327 MHz : -16.590 dBm M2 : 5818.938 MHz : 9.625 dBm Delta1 : 22.946 MHz : 0.793 dB T1 : 5816.533 MHz : 2.324 dBm T2 : 5833.367 MHz : 1.498 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 22.946 MHz Measured 99% Bandwidth: 16.834 MHz

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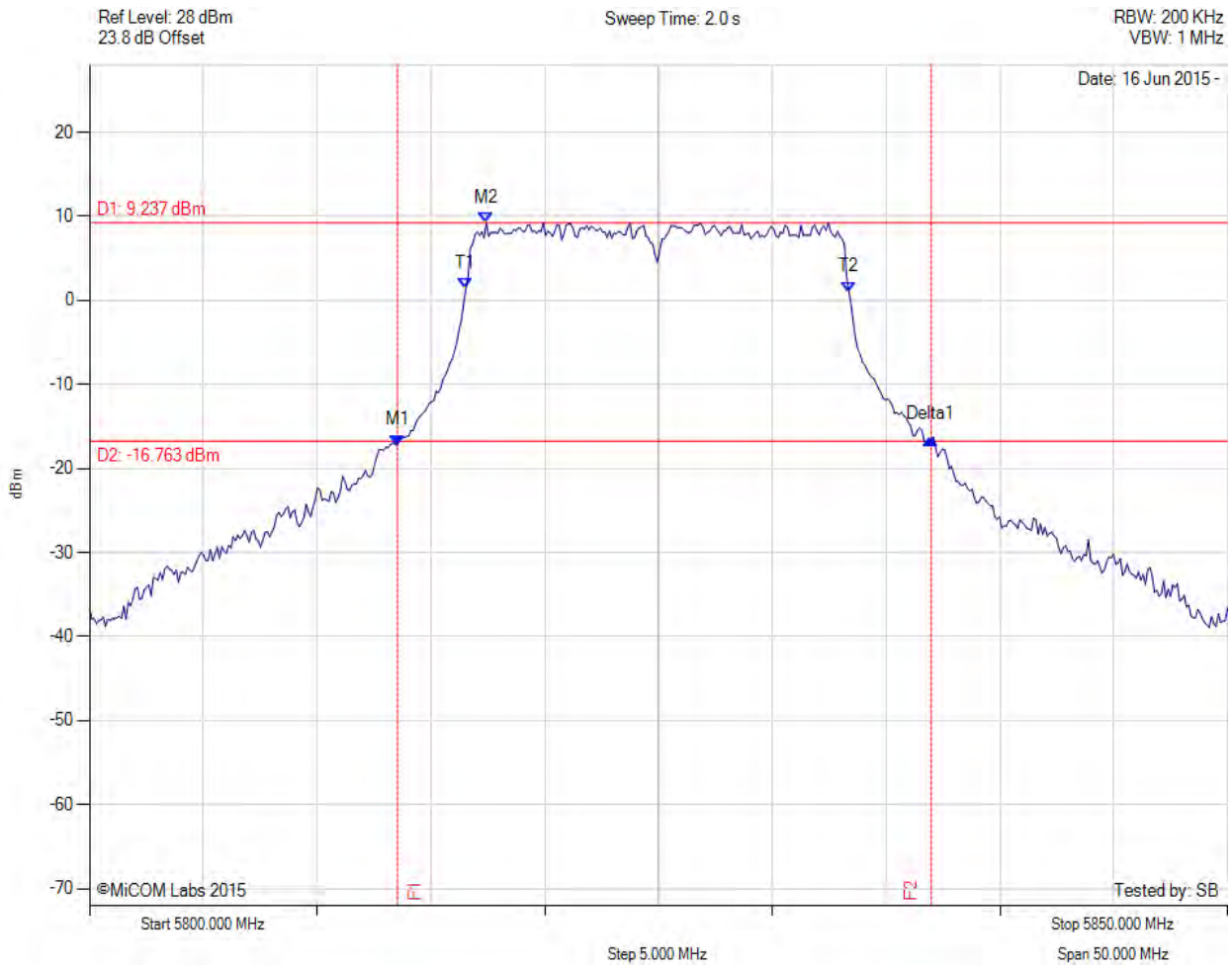
26 dB & 99% BANDWIDTH

Variant: 802.11a, Channel: 5825.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5813.527 MHz : -17.214 dBm M2 : 5817.435 MHz : 9.237 dBm Delta1 : 23.447 MHz : 0.714 dB T1 : 5816.533 MHz : 1.366 dBm T2 : 5833.367 MHz : 1.024 dBm OBW : 16.834 MHz	Measured 26 dB Bandwidth: 23.447 MHz Measured 99% Bandwidth: 16.834 MHz

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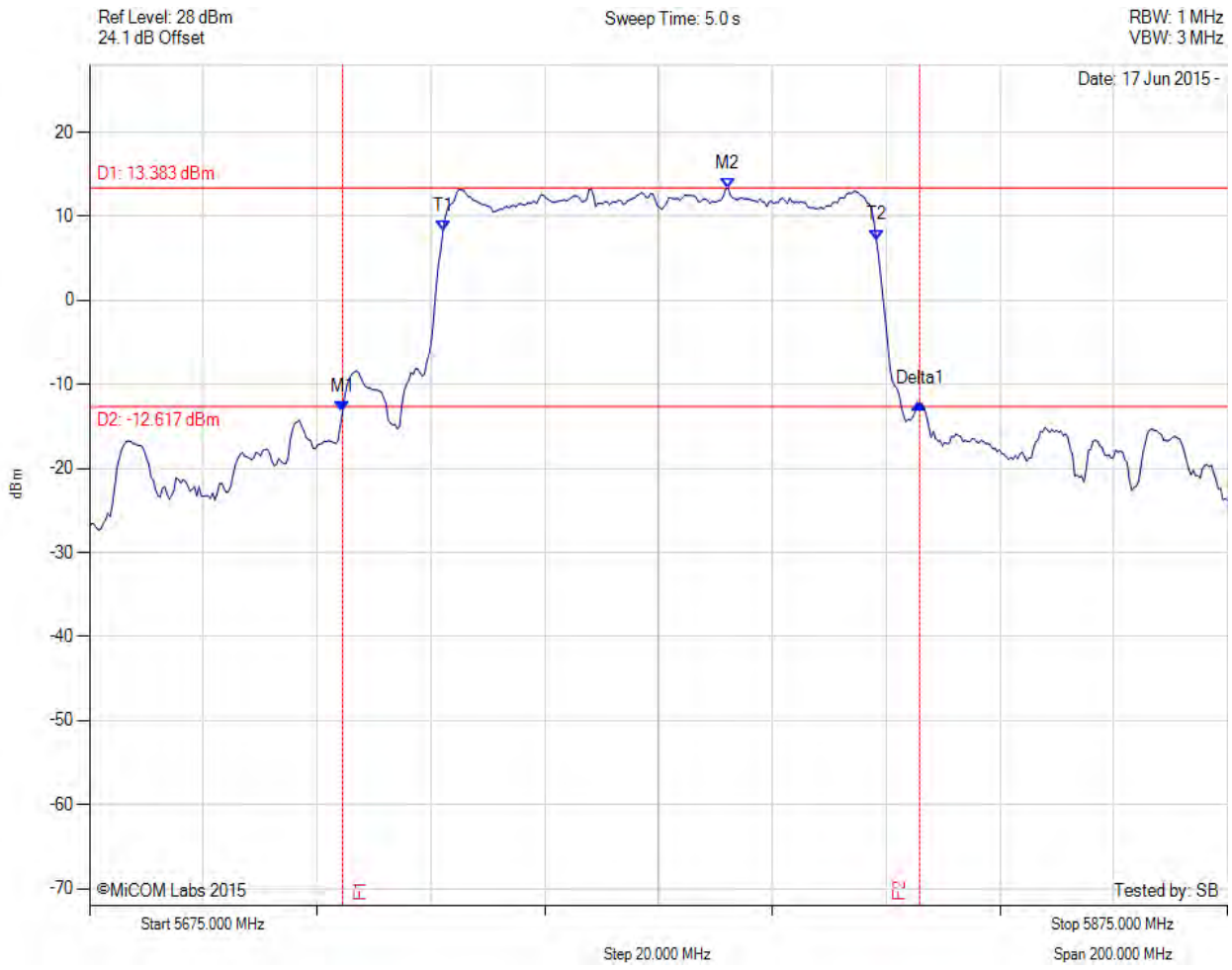
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5719.489 MHz : -13.238 dBm M2 : 5787.224 MHz : 13.383 dBm Delta1 : 101.403 MHz : 0.988 dB T1 : 5737.124 MHz : 8.281 dBm T2 : 5813.277 MHz : 7.215 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 101.403 MHz Measured 99% Bandwidth: 76.152 MHz

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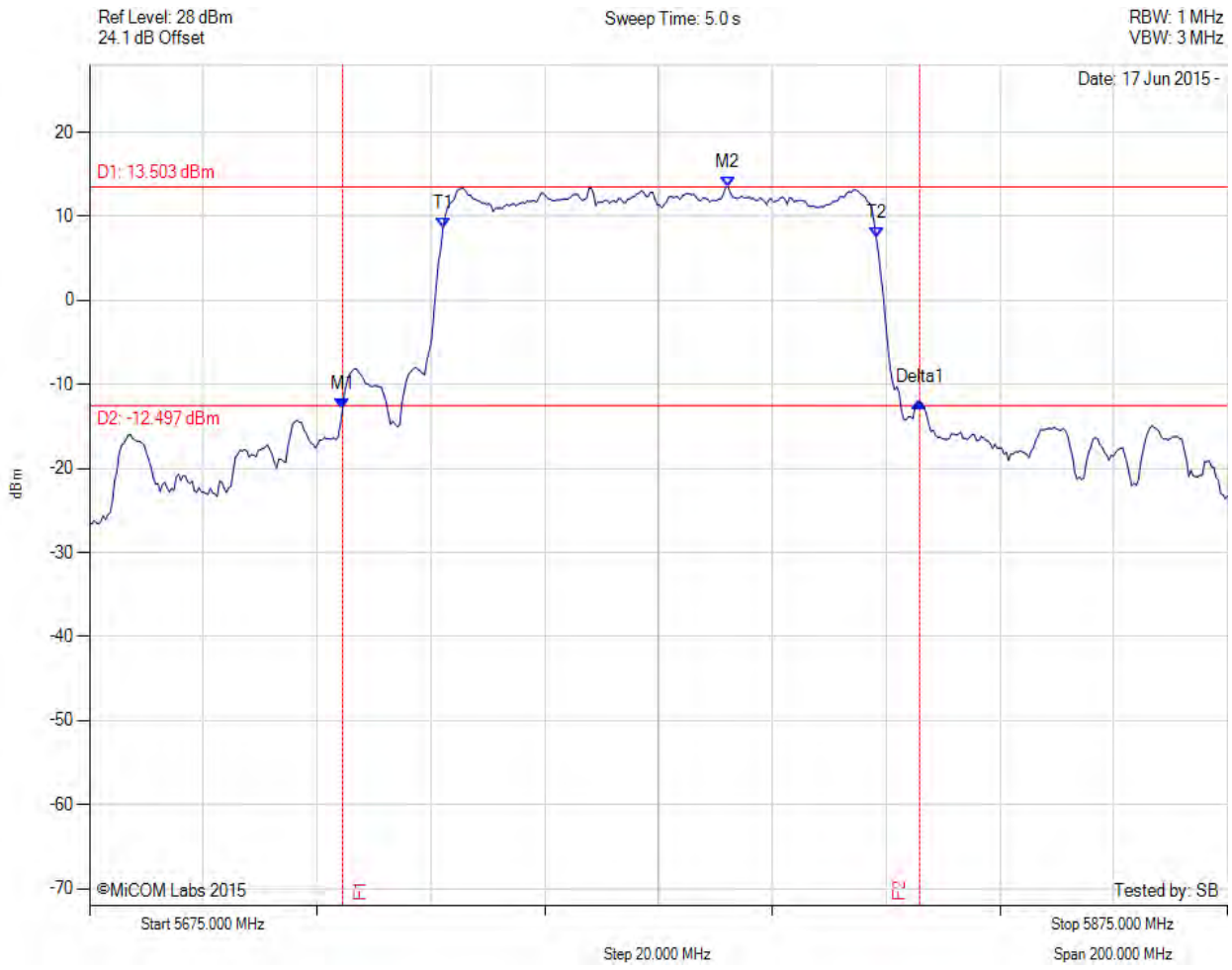
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5719.489 MHz : -12.848 dBm M2 : 5787.224 MHz : 13.503 dBm Delta1 : 101.403 MHz : 0.732 dB T1 : 5737.124 MHz : 8.635 dBm T2 : 5813.277 MHz : 7.427 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 101.403 MHz Measured 99% Bandwidth: 76.152 MHz

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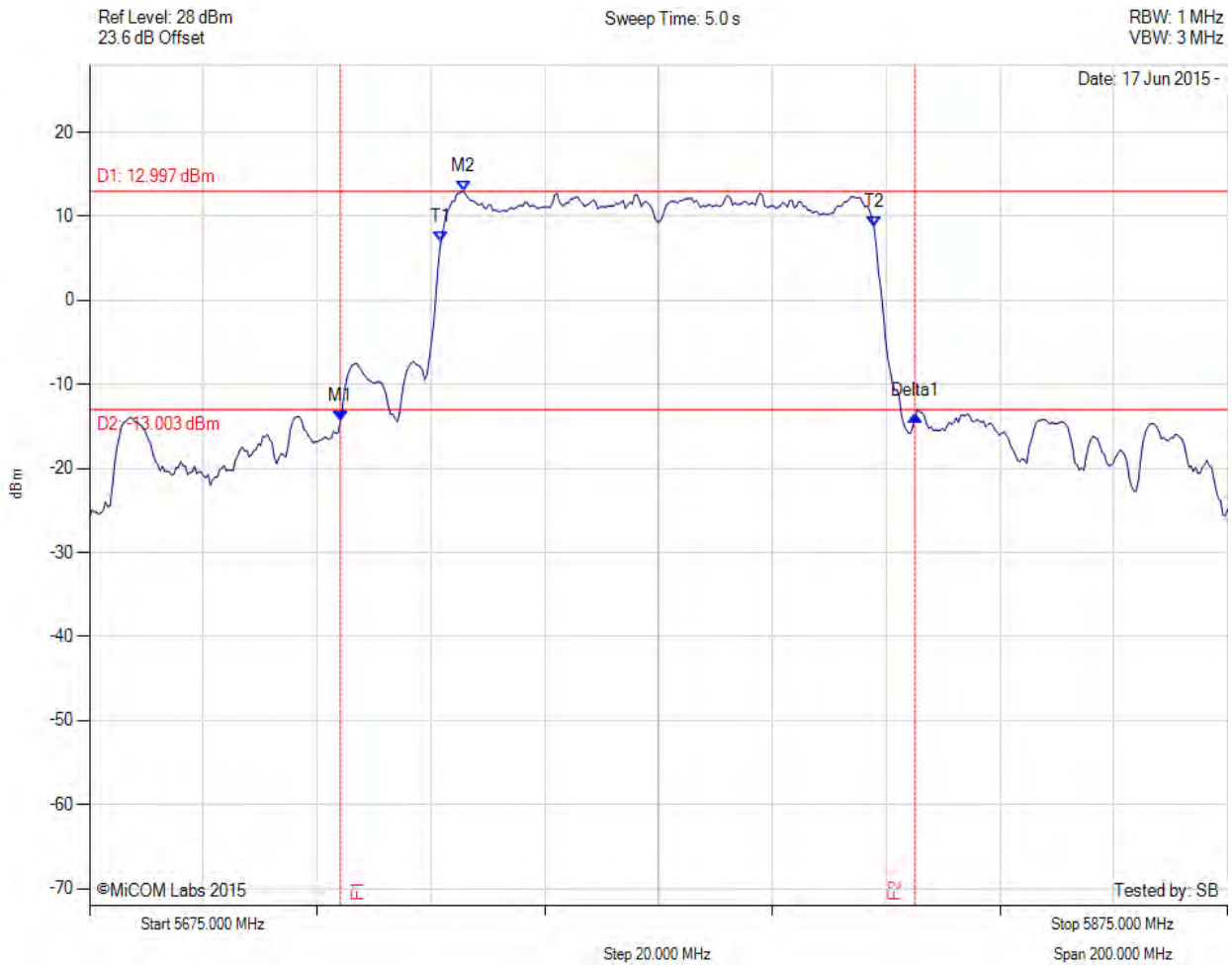
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

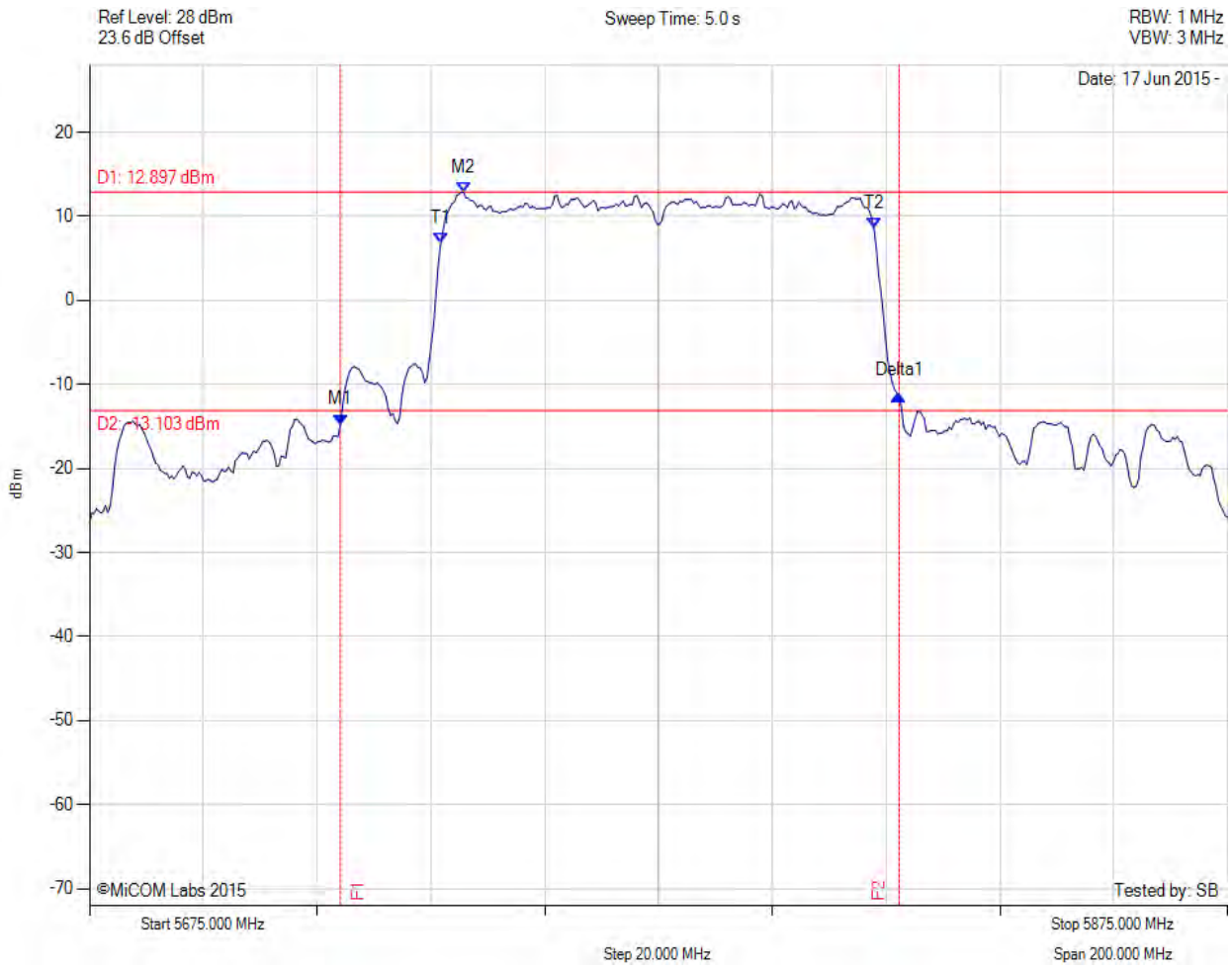


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5719.088 MHz : -14.436 dBm M2 : 5740.731 MHz : 12.997 dBm Delta1 : 101.002 MHz : 0.665 dB T1 : 5736.723 MHz : 6.900 dBm T2 : 5812.876 MHz : 8.759 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 101.002 MHz Measured 99% Bandwidth: 76.152 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5719.088 MHz : -14.770 dBm M2 : 5740.731 MHz : 12.897 dBm Delta1 : 98.196 MHz : 3.535 dB T1 : 5736.723 MHz : 6.776 dBm T2 : 5812.876 MHz : 8.555 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 98.196 MHz Measured 99% Bandwidth: 76.152 MHz

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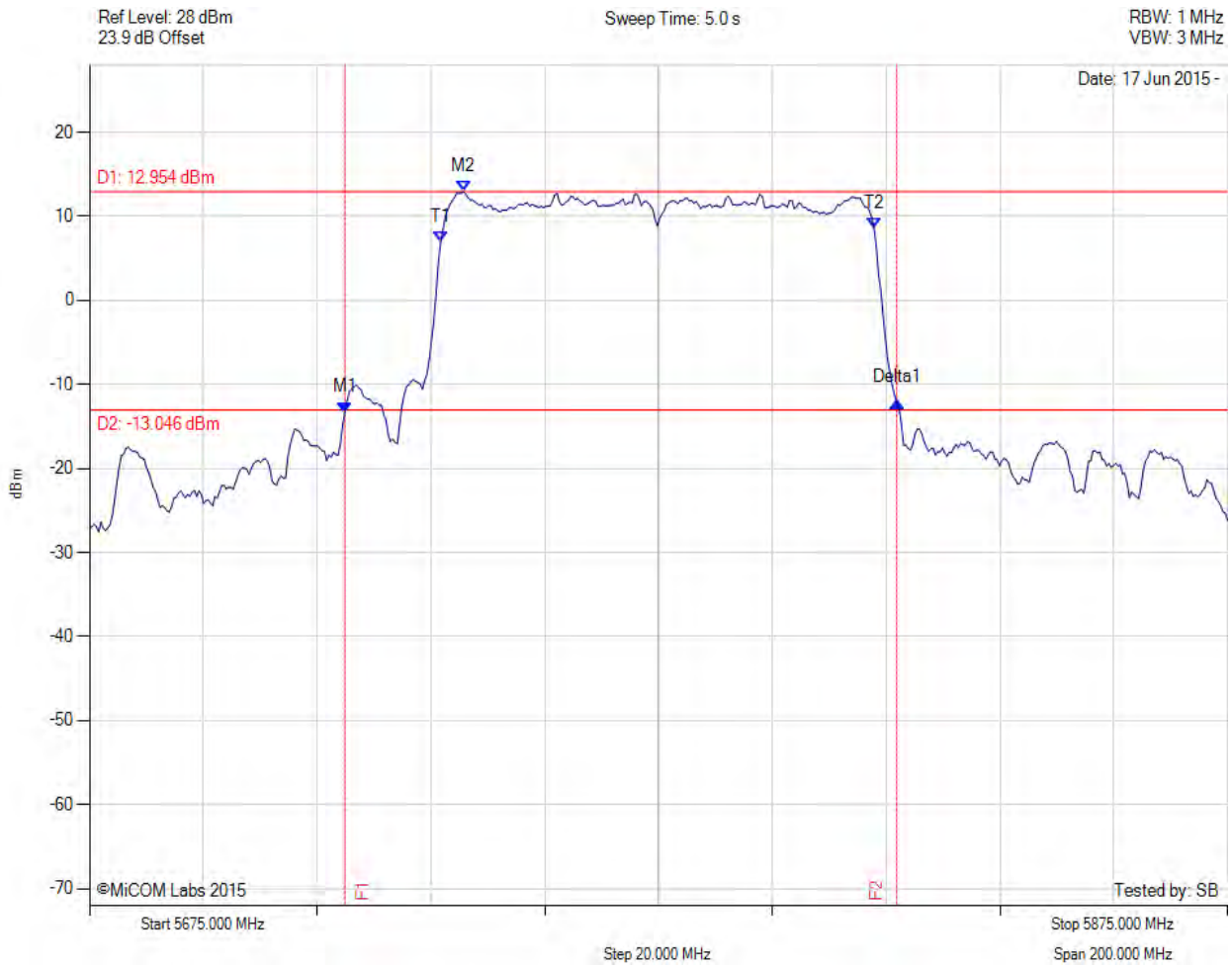
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5719.890 MHz : -13.314 dBm M2 : 5740.731 MHz : 12.954 dBm Delta1 : 96.994 MHz : 1.188 dB T1 : 5736.723 MHz : 6.947 dBm T2 : 5812.876 MHz : 8.633 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 96.994 MHz Measured 99% Bandwidth: 76.152 MHz

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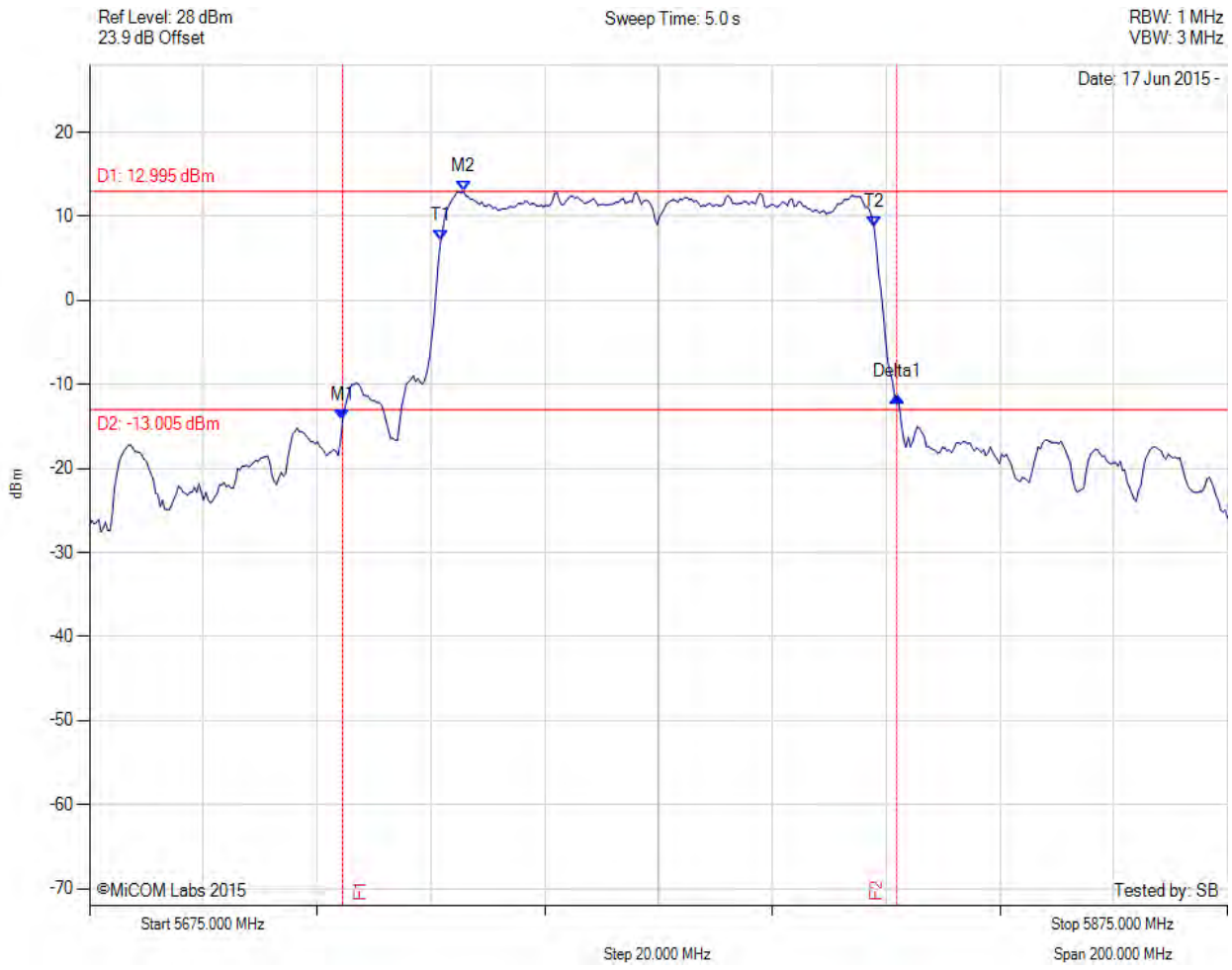
26 dB & 99% BANDWIDTH

Variant: 802.11ac-80, Channel: 5775.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5719.489 MHz : -14.200 dBm M2 : 5740.731 MHz : 12.995 dBm Delta1 : 97.395 MHz : 2.725 dB T1 : 5736.723 MHz : 7.079 dBm T2 : 5812.876 MHz : 8.747 dBm OBW : 76.152 MHz	Measured 26 dB Bandwidth: 97.395 MHz Measured 99% Bandwidth: 76.152 MHz

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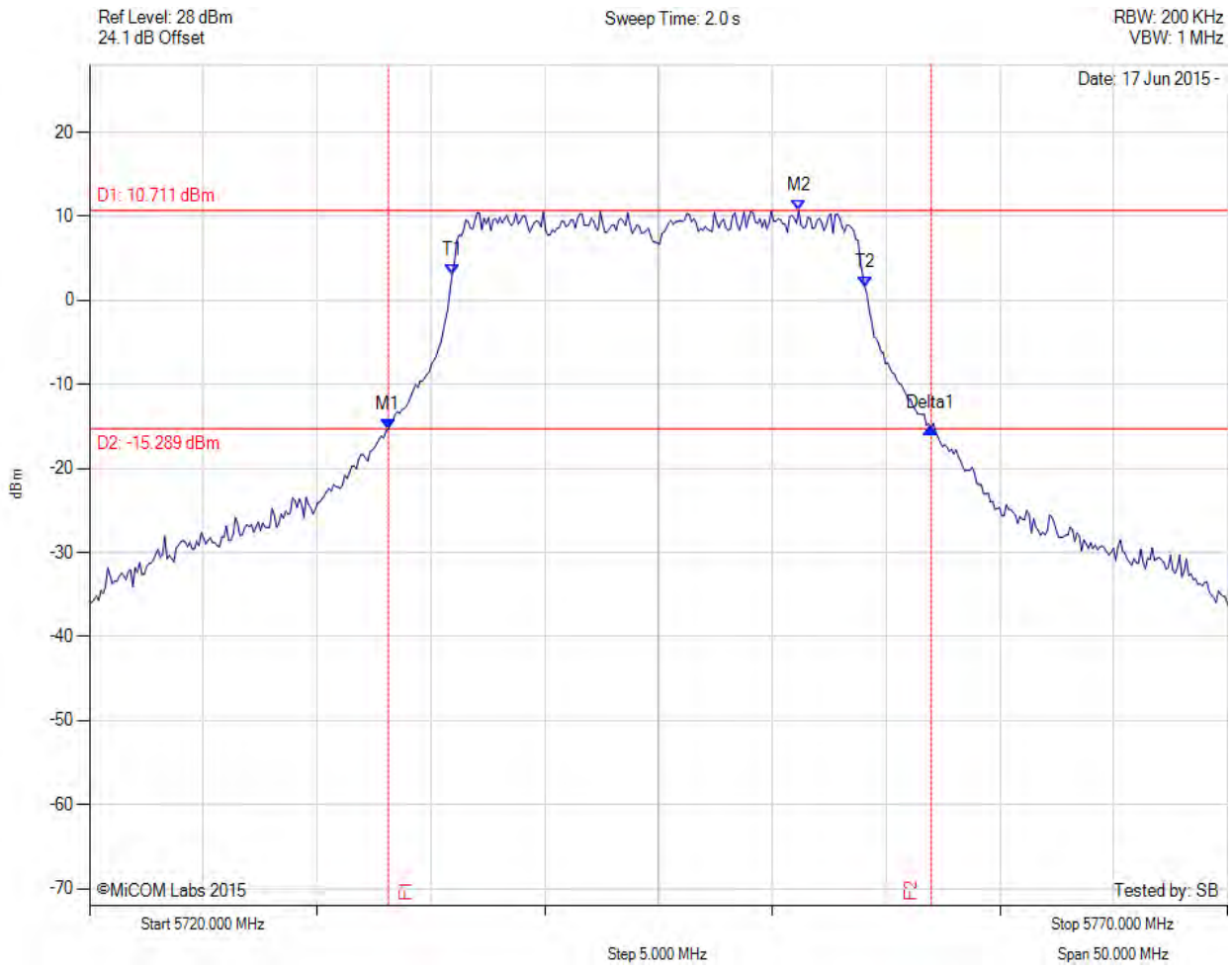
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.126 MHz : -15.351 dBm M2 : 5751.162 MHz : 10.711 dBm Delta1 : 23.848 MHz : 0.171 dB T1 : 5735.932 MHz : 3.068 dBm T2 : 5754.068 MHz : 1.643 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.848 MHz Measured 99% Bandwidth: 18.136 MHz

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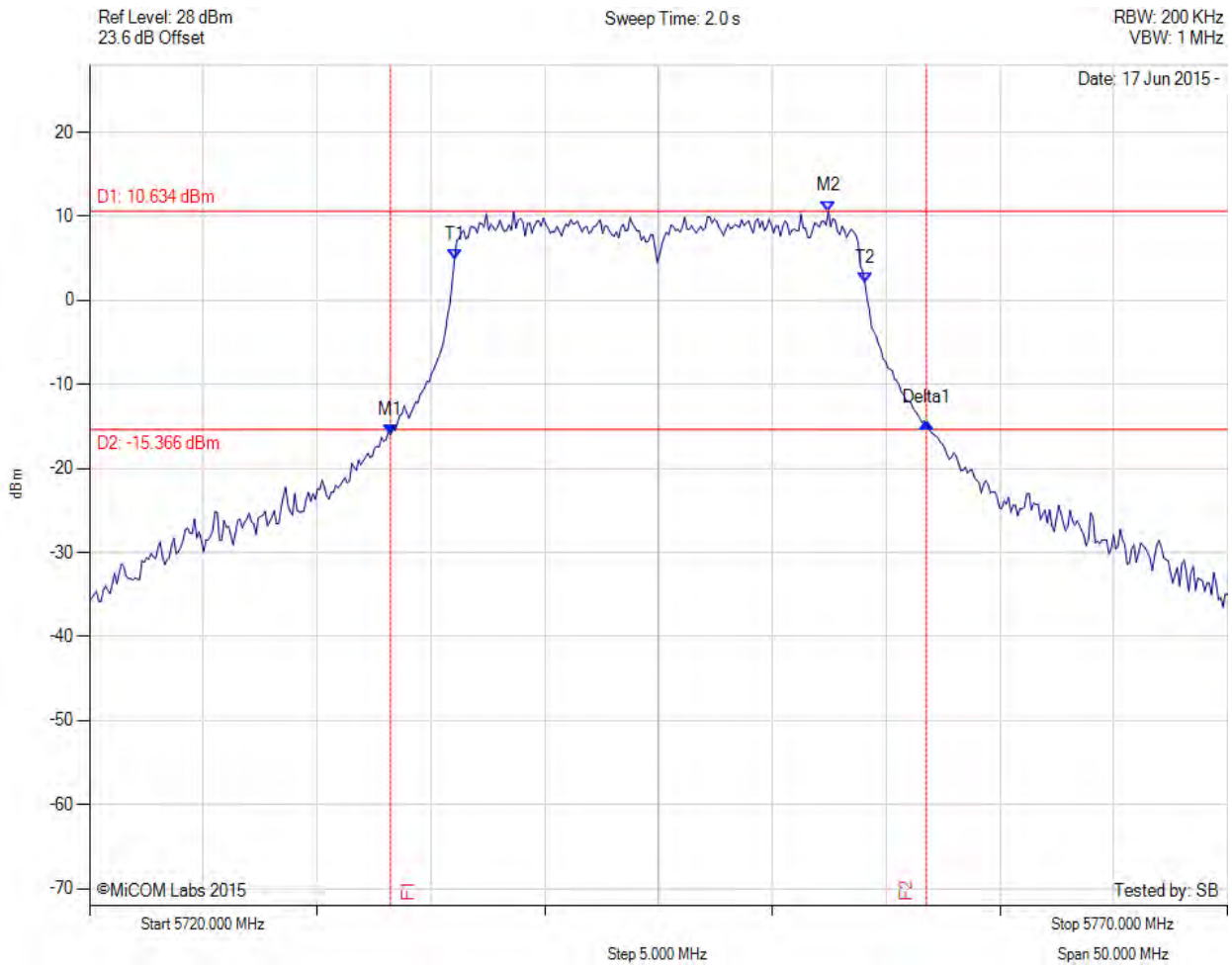
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.226 MHz : -15.961 dBm M2 : 5752.465 MHz : 10.634 dBm Delta1 : 23.547 MHz : 1.373 dB T1 : 5736.032 MHz : 4.811 dBm T2 : 5754.068 MHz : 2.129 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 18.036 MHz

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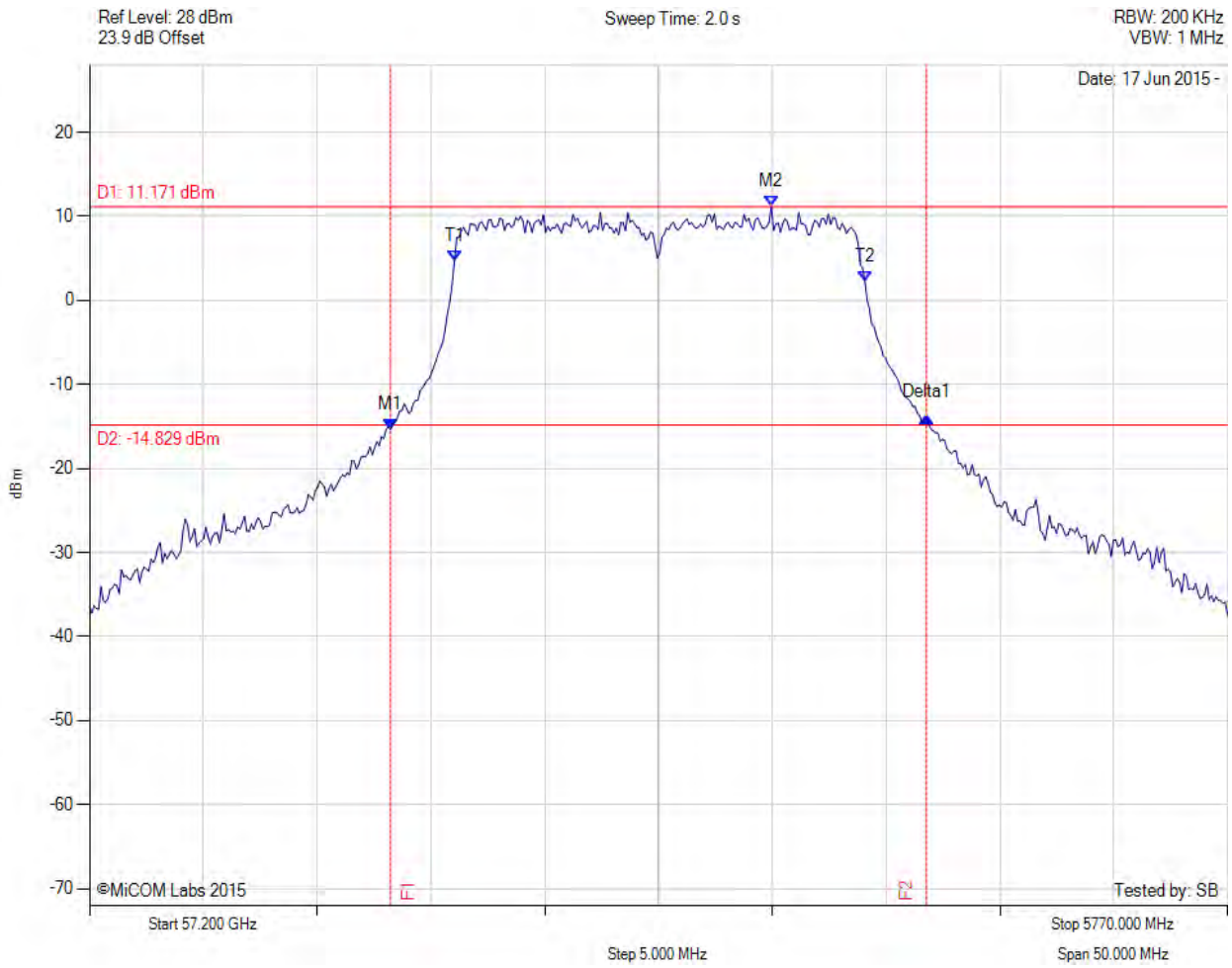
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5745.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.226 MHz : -15.368 dBm M2 : 5749.960 MHz : 11.171 dBm Delta1 : 23.547 MHz : 1.501 dB T1 : 5736.032 MHz : 4.705 dBm T2 : 5754.068 MHz : 2.304 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 18.036 MHz

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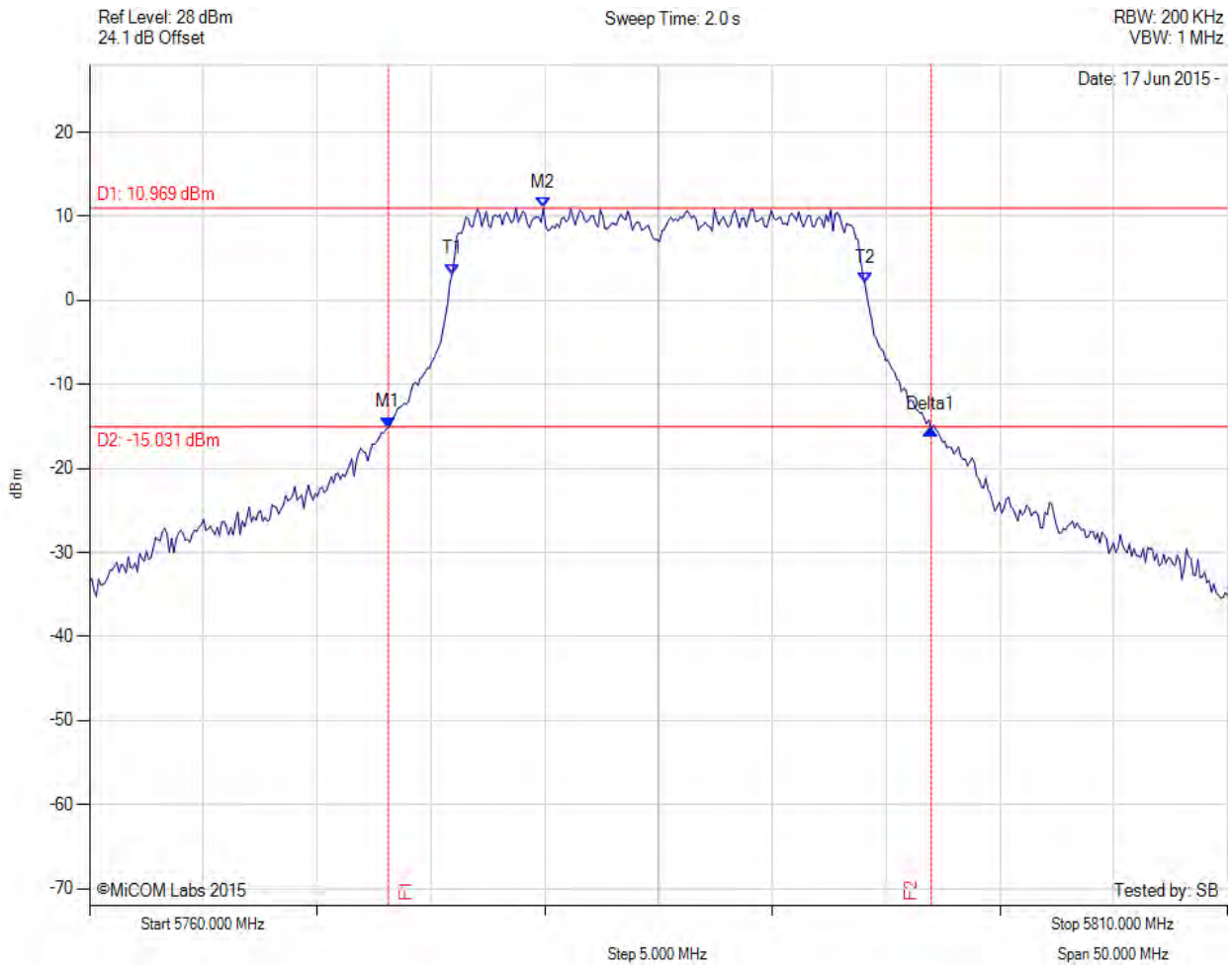
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.126 MHz : -15.099 dBm M2 : 5779.940 MHz : 10.969 dBm Delta1 : 23.848 MHz : -0.279 dB T1 : 5775.932 MHz : 3.142 dBm T2 : 5794.068 MHz : 2.013 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.848 MHz Measured 99% Bandwidth: 18.136 MHz

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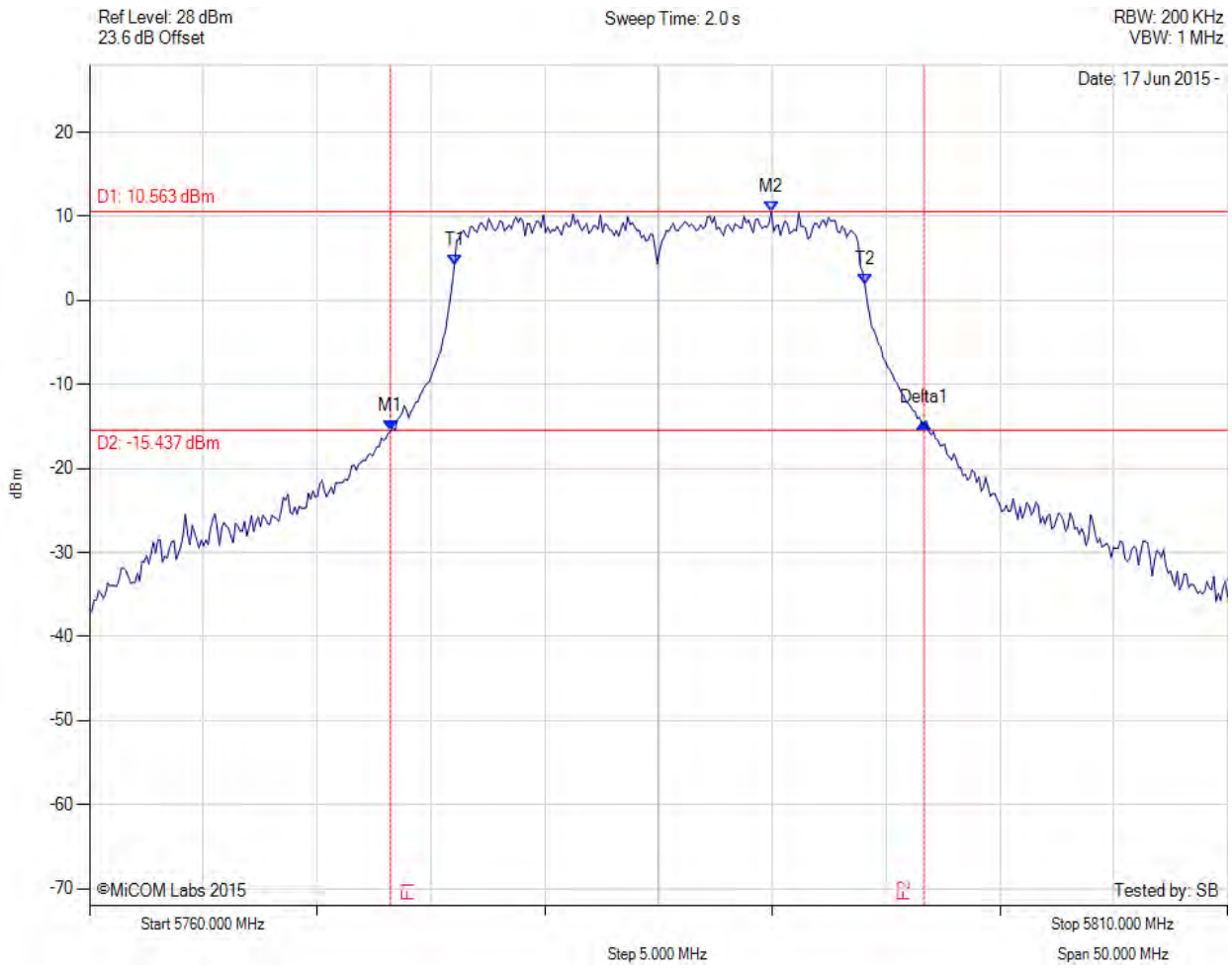
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc

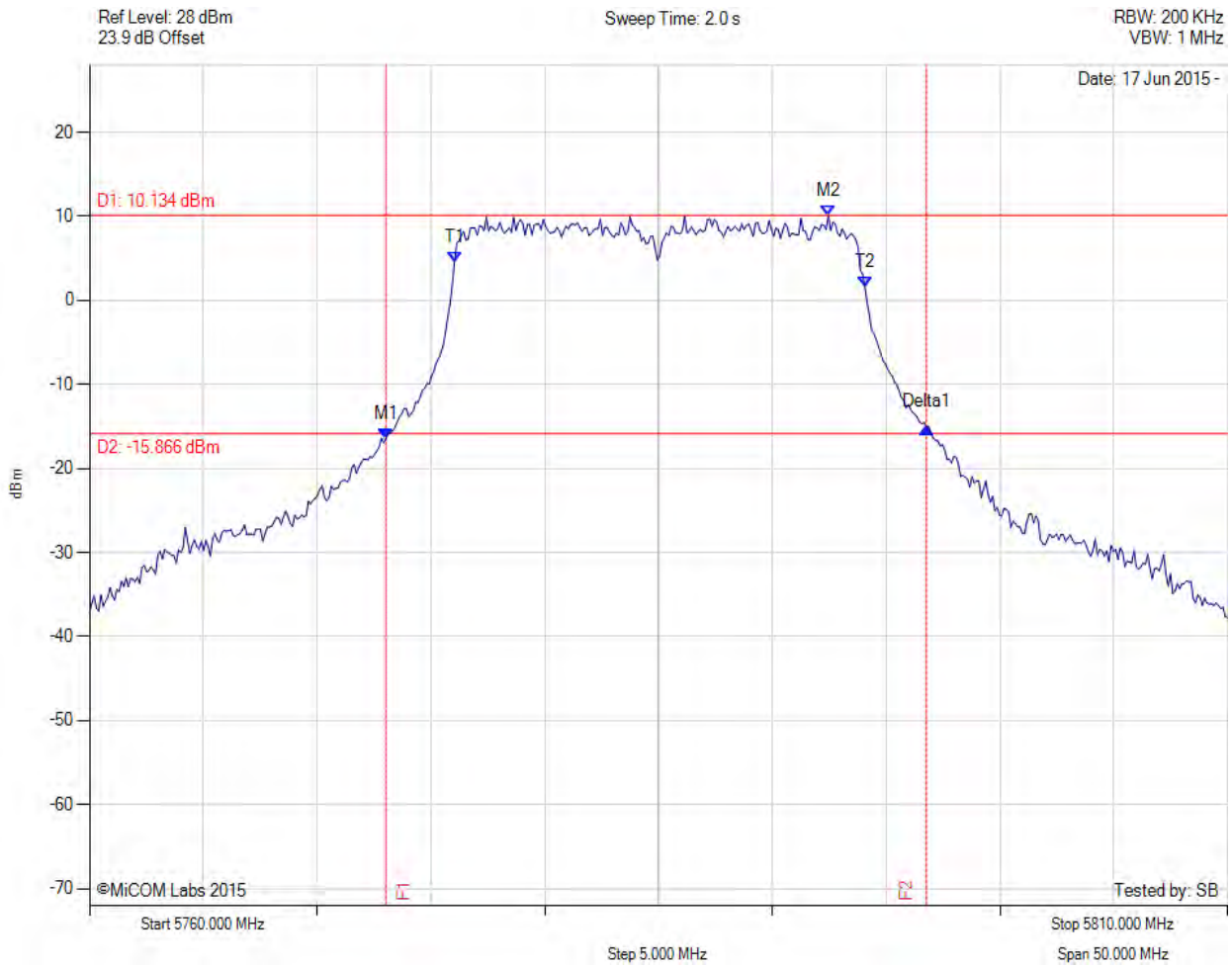


Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.226 MHz : -15.486 dBm M2 : 5789.960 MHz : 10.563 dBm Delta1 : 23.447 MHz : 0.881 dB T1 : 5776.032 MHz : 4.223 dBm T2 : 5794.068 MHz : 1.901 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.447 MHz Measured 99% Bandwidth: 18.036 MHz

back to matrix

26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5785.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.026 MHz : -16.452 dBm M2 : 5792.465 MHz : 10.134 dBm Delta1 : 23.747 MHz : 1.344 dB T1 : 5776.032 MHz : 4.555 dBm T2 : 5794.068 MHz : 1.616 dBm OBW : 18.036 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.036 MHz

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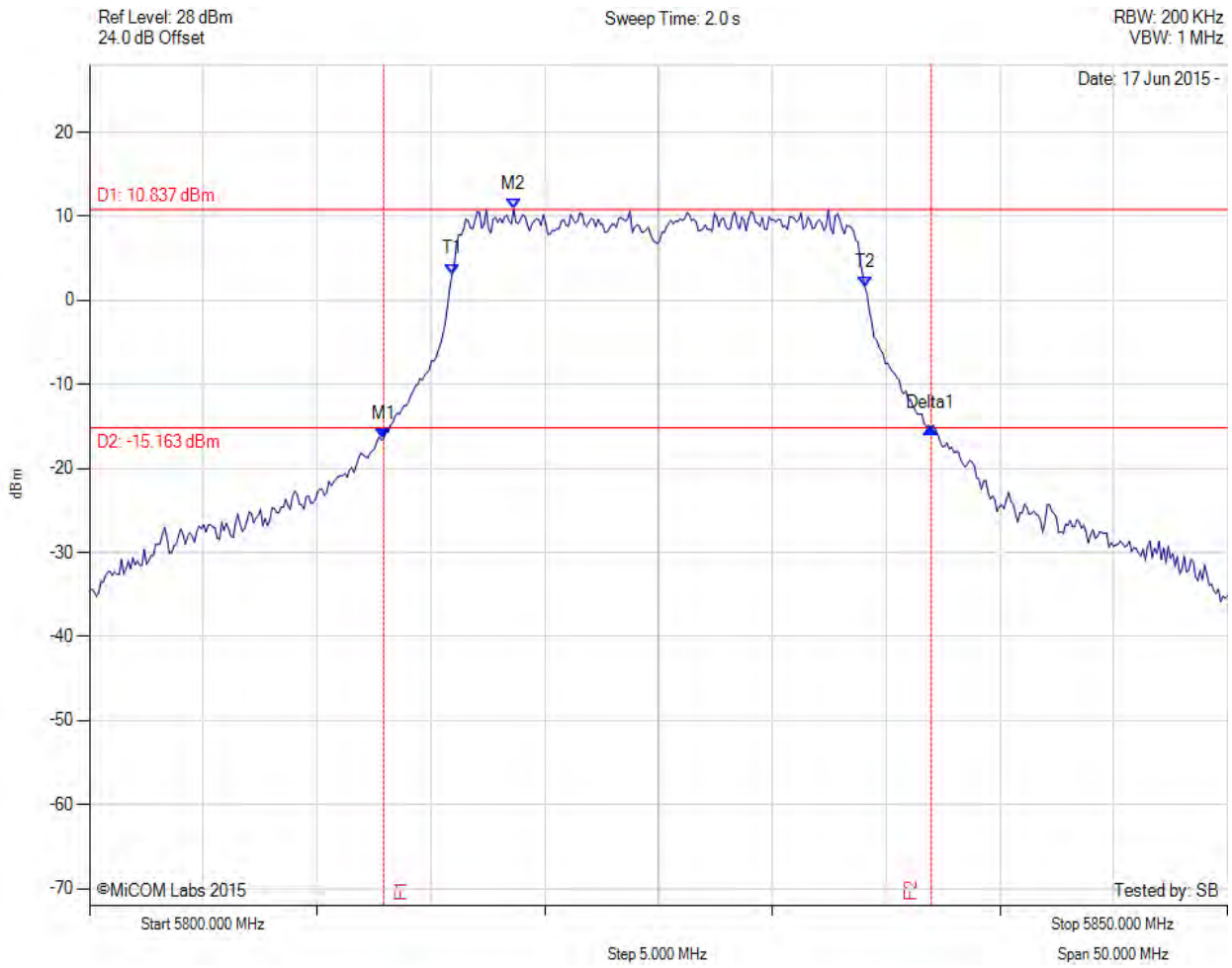
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5812.926 MHz : -16.513 dBm M2 : 5818.637 MHz : 10.837 dBm Delta1 : 24.048 MHz : 1.289 dB T1 : 5815.932 MHz : 3.131 dBm T2 : 5834.068 MHz : 1.653 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 24.048 MHz Measured 99% Bandwidth: 18.136 MHz

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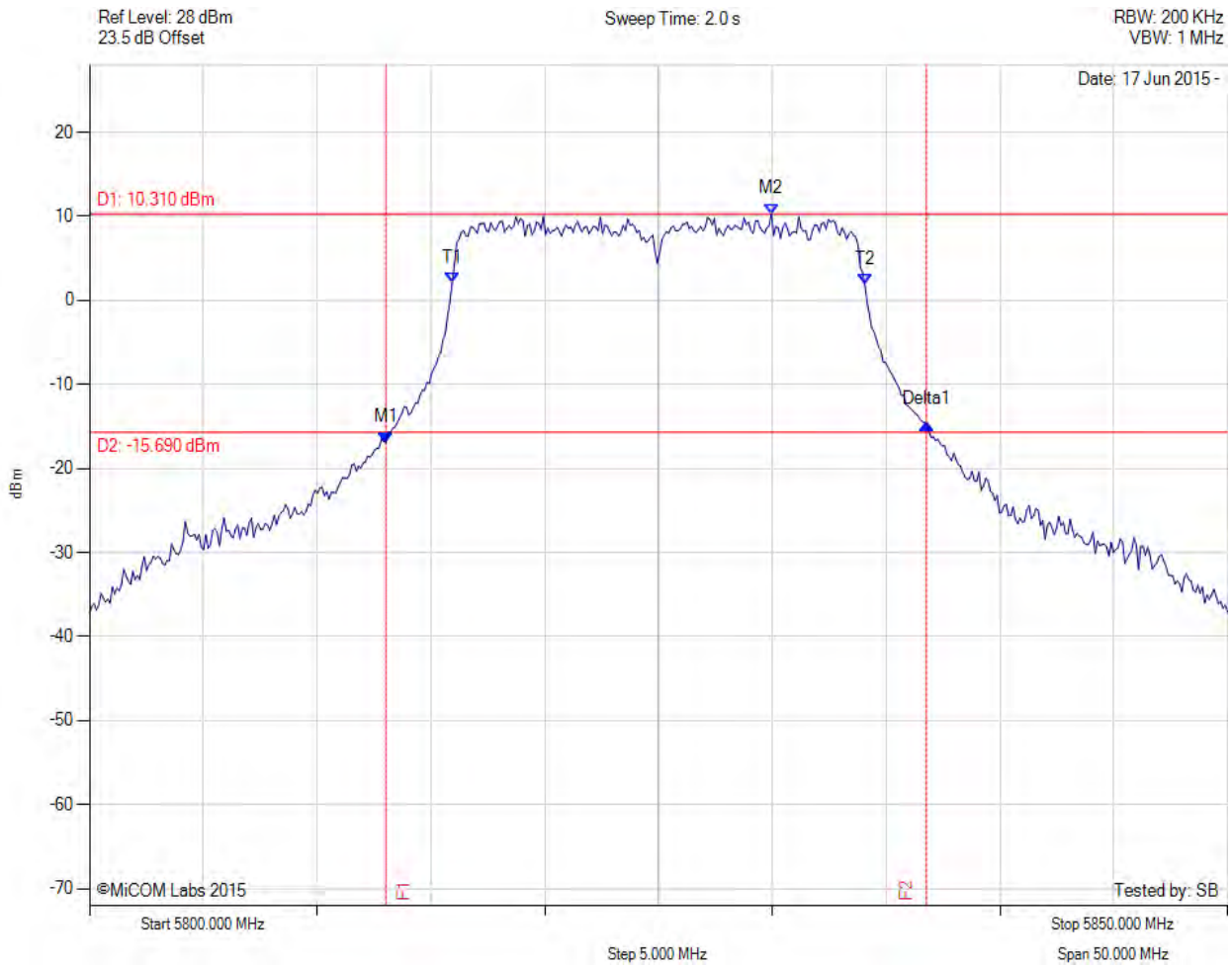
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5813.026 MHz : -16.887 dBm M2 : 5829.960 MHz : 10.310 dBm Delta1 : 23.747 MHz : 2.259 dB T1 : 5815.932 MHz : 2.137 dBm T2 : 5834.068 MHz : 1.877 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.747 MHz Measured 99% Bandwidth: 18.136 MHz

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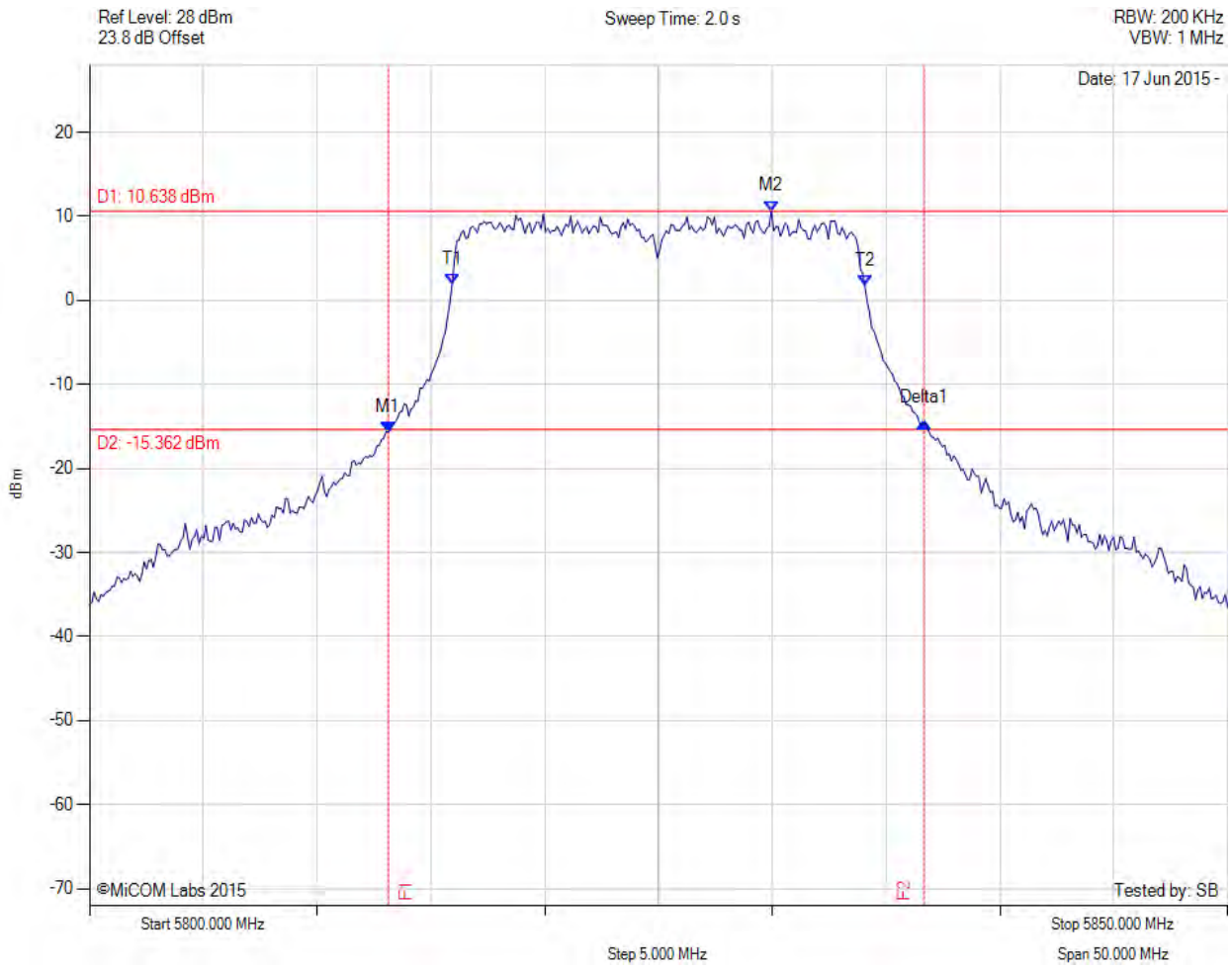
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-20, Channel: 5825.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5813.126 MHz : -15.614 dBm M2 : 5829.960 MHz : 10.638 dBm Delta1 : 23.547 MHz : 1.056 dB T1 : 5815.932 MHz : 1.936 dBm T2 : 5834.068 MHz : 1.755 dBm OBW : 18.136 MHz	Measured 26 dB Bandwidth: 23.547 MHz Measured 99% Bandwidth: 18.136 MHz

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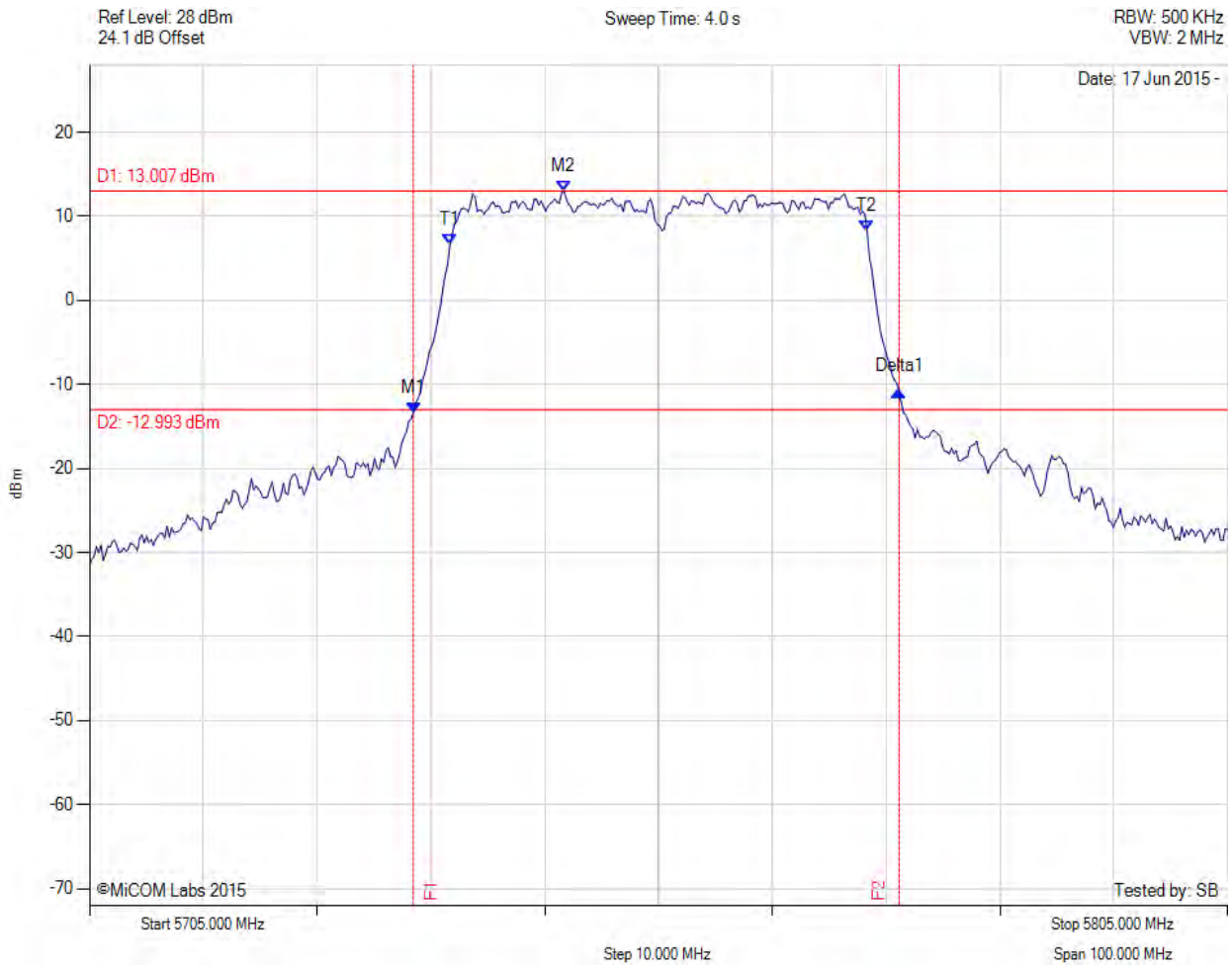
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5755.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.457 MHz : -13.334 dBm M2 : 5746.683 MHz : 13.007 dBm Delta1 : 42.685 MHz : 2.573 dB T1 : 5736.663 MHz : 6.597 dBm T2 : 5773.337 MHz : 8.226 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.685 MHz Measured 99% Bandwidth: 36.673 MHz

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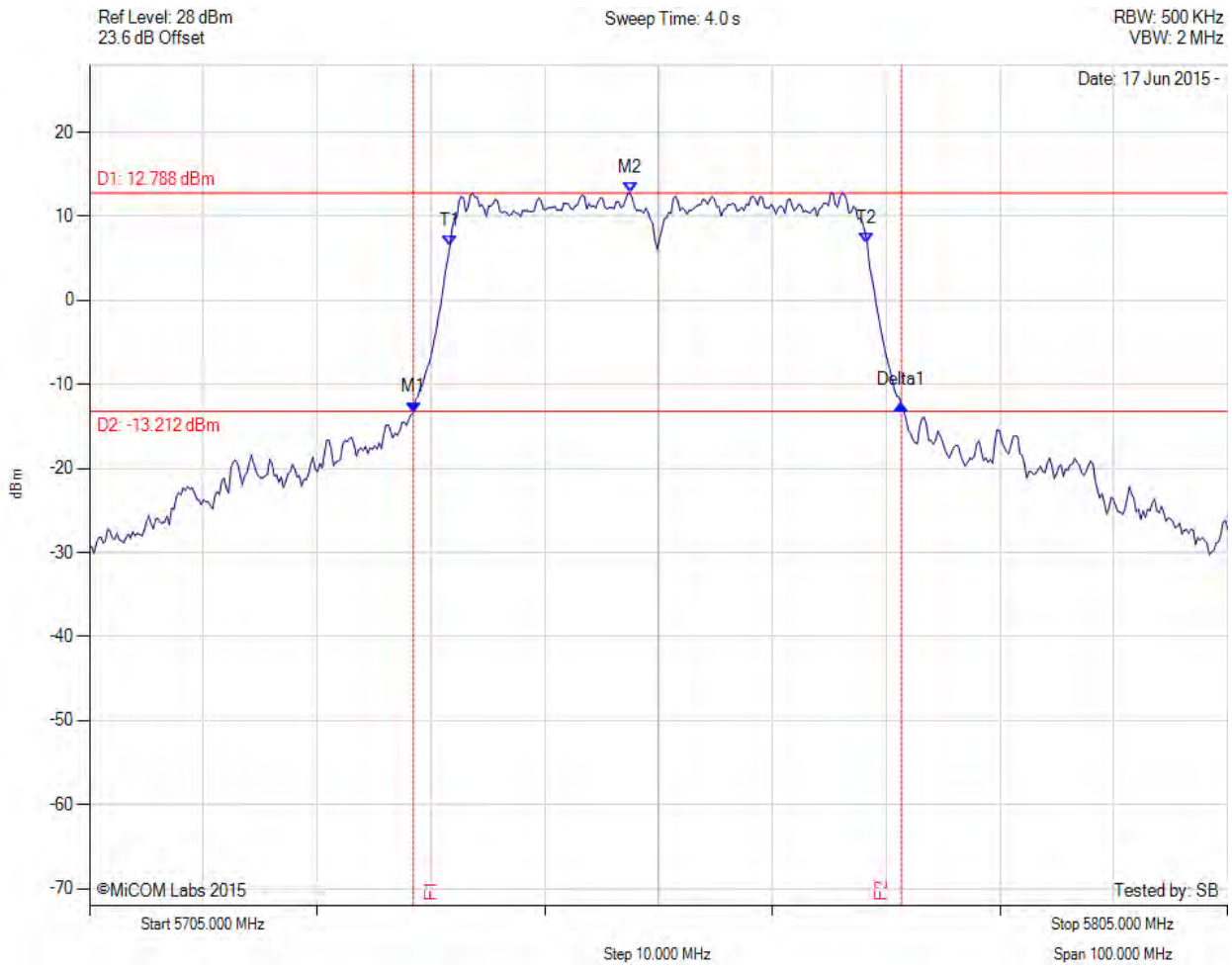
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5755.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.457 MHz : -13.309 dBm M2 : 5752.495 MHz : 12.788 dBm Delta1 : 42.886 MHz : 0.832 dB T1 : 5736.663 MHz : 6.412 dBm T2 : 5773.337 MHz : 6.857 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

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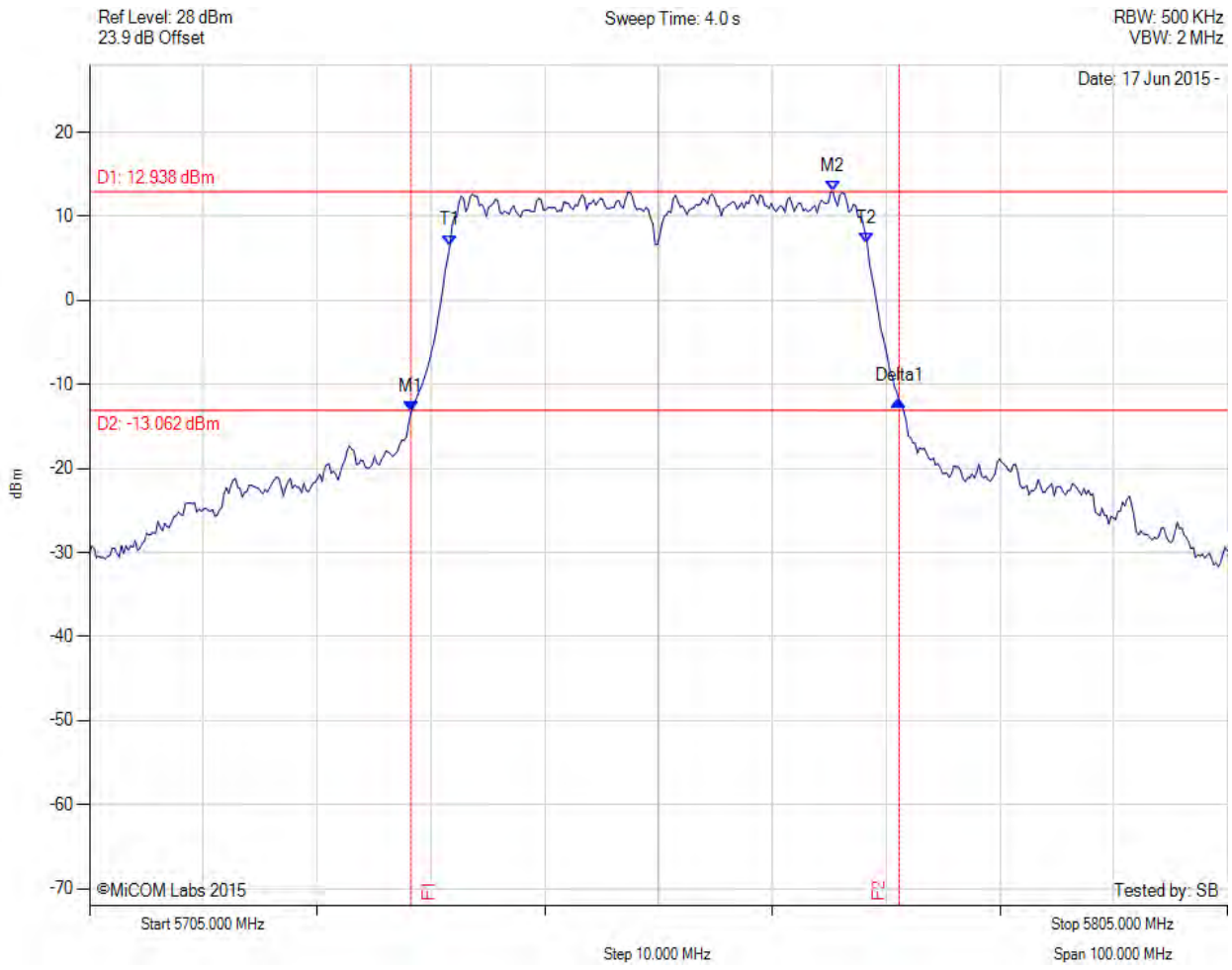
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5755.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5733.257 MHz : -13.287 dBm M2 : 5770.331 MHz : 12.938 dBm Delta1 : 42.886 MHz : 1.304 dB T1 : 5736.663 MHz : 6.556 dBm T2 : 5773.337 MHz : 6.851 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

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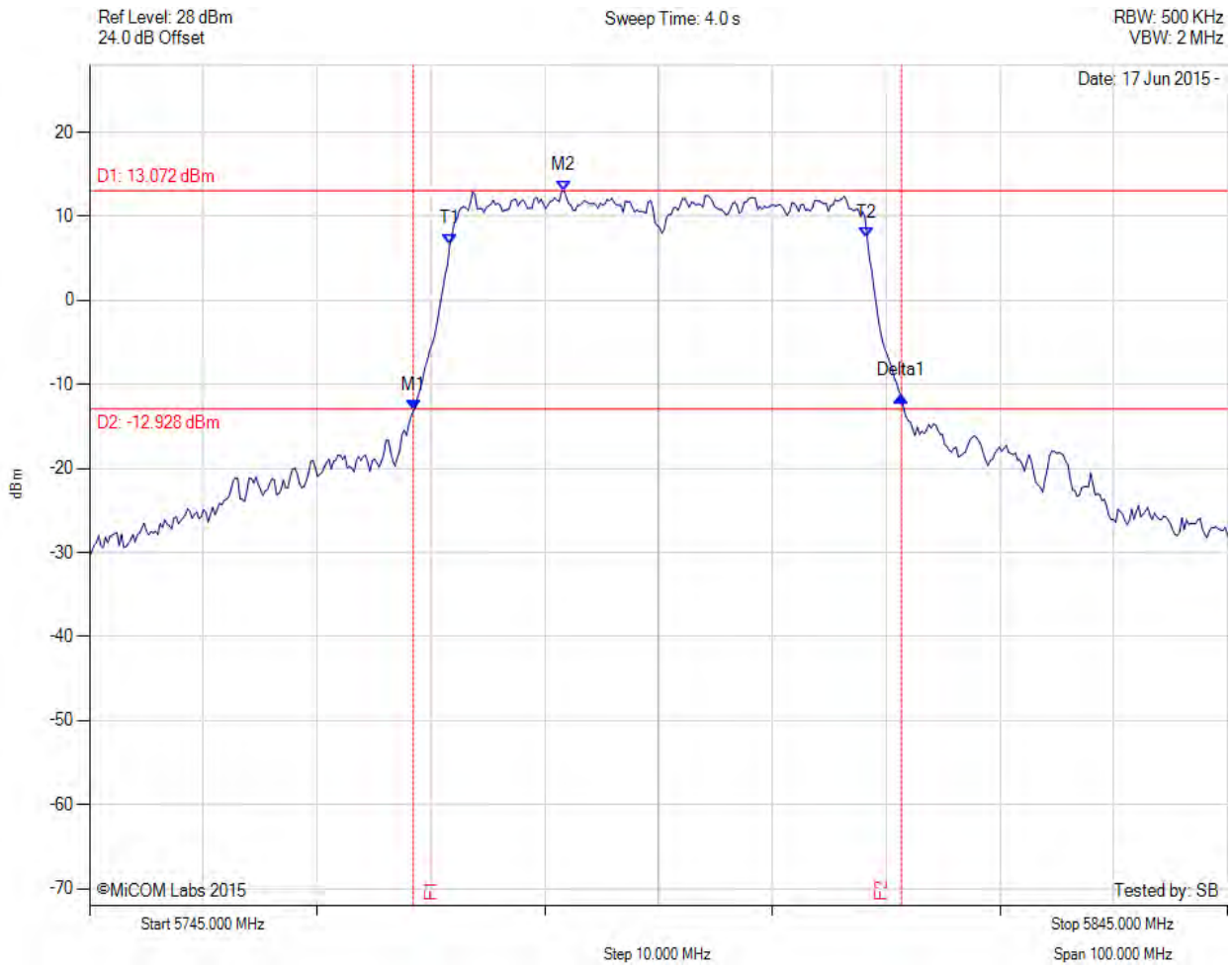
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain a, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.457 MHz : -13.124 dBm M2 : 5786.683 MHz : 13.072 dBm Delta1 : 42.886 MHz : 1.765 dB T1 : 5776.663 MHz : 6.721 dBm T2 : 5813.337 MHz : 7.451 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

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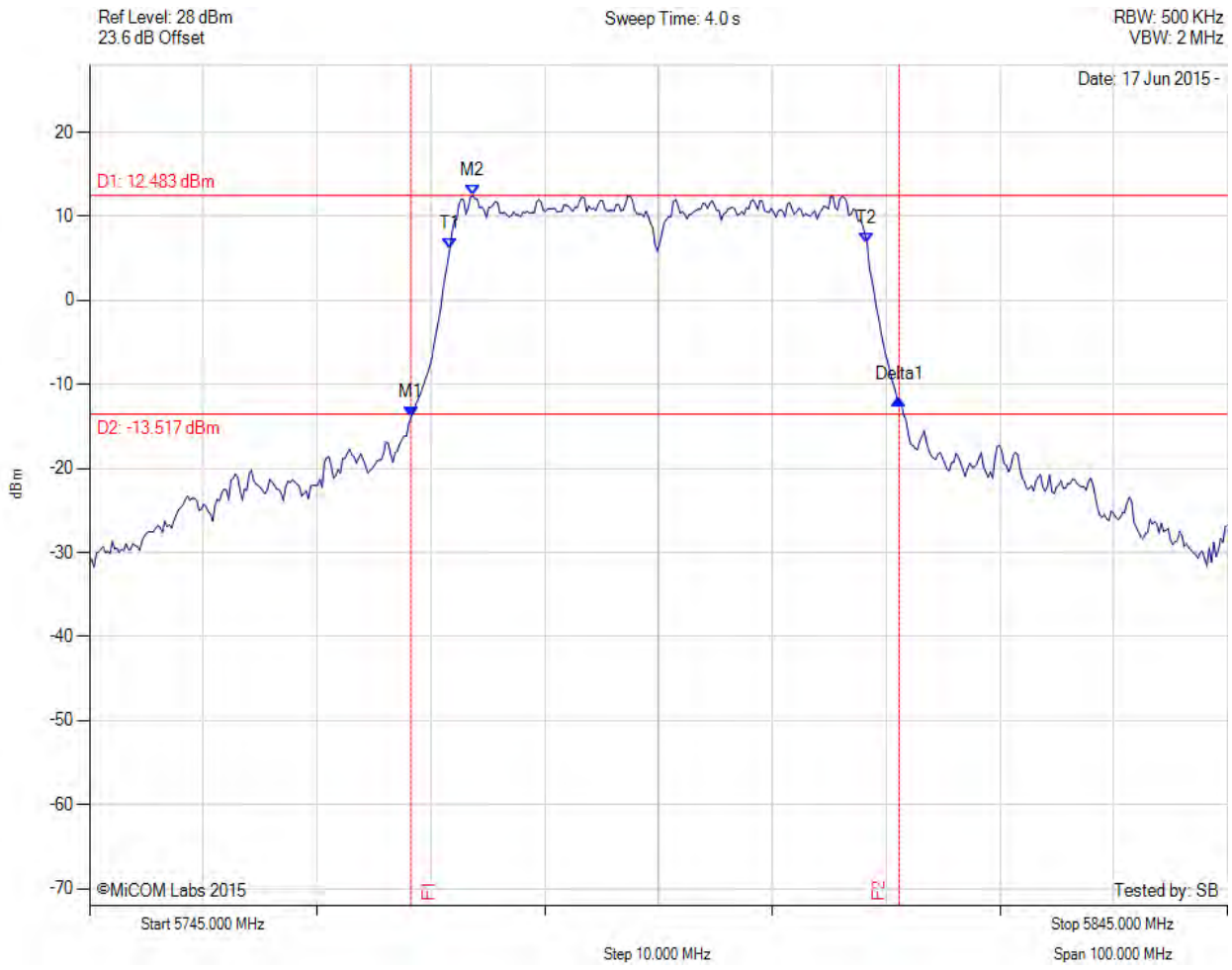
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain b, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.257 MHz : -13.901 dBm M2 : 5778.667 MHz : 12.483 dBm Delta1 : 42.886 MHz : 2.152 dB T1 : 5776.663 MHz : 6.204 dBm T2 : 5813.337 MHz : 6.766 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 42.886 MHz Measured 99% Bandwidth: 36.673 MHz

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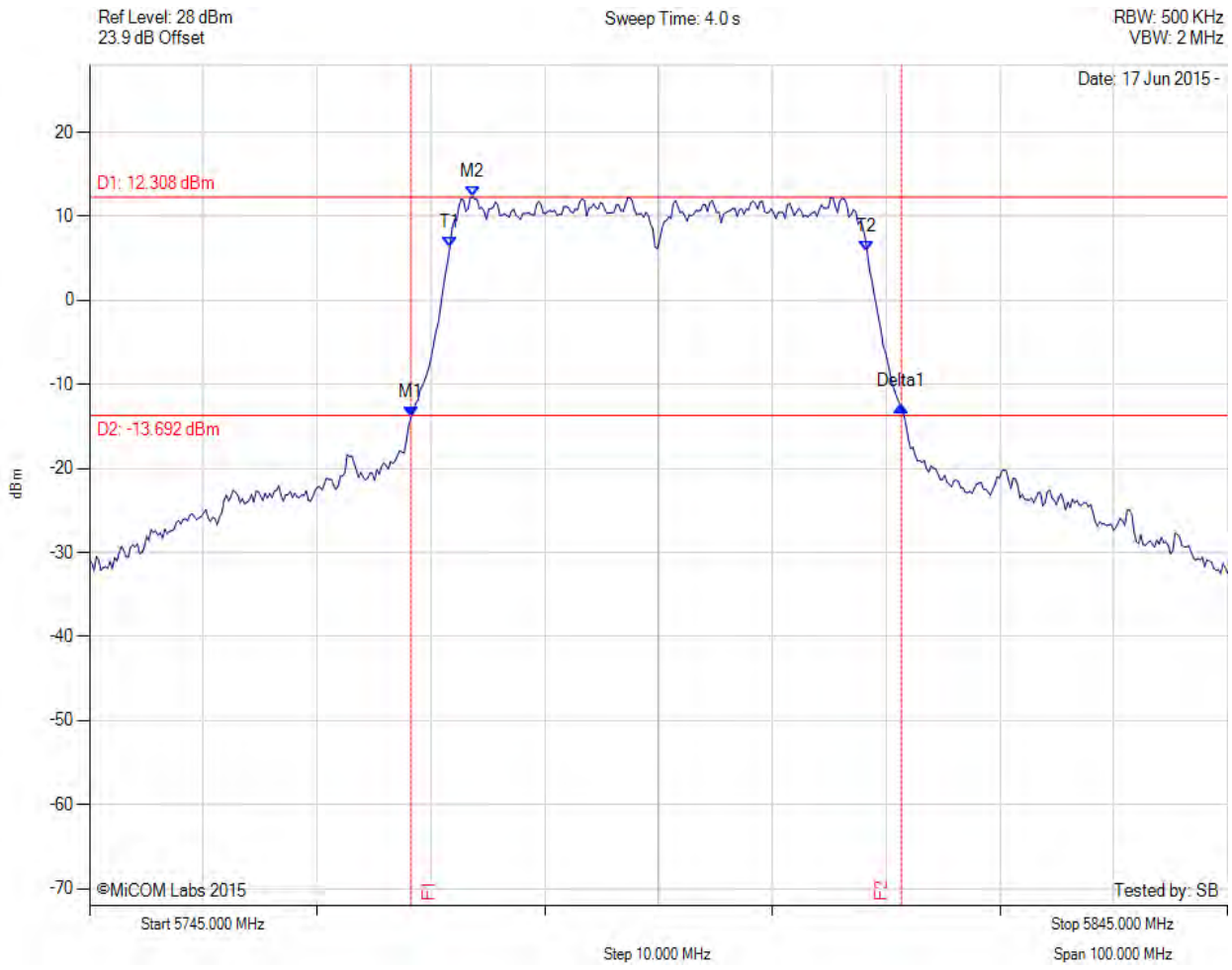
26 dB & 99% BANDWIDTH

Variant: 802.11n HT-40, Channel: 5795.00 MHz, Chain c, Temp: Ambient, Voltage: 0.8 Vdc



Analyser Setup	Marker:Frequency:Amplitude	Test Results
Detector = MAX PEAK Sweep Count = 0 RF Atten (dB) = 20 Trace Mode = MAX HOLD	M1 : 5773.257 MHz : -13.816 dBm M2 : 5778.667 MHz : 12.308 dBm Delta1 : 43.086 MHz : 1.285 dB T1 : 5776.663 MHz : 6.282 dBm T2 : 5813.337 MHz : 5.828 dBm OBW : 36.673 MHz	Measured 26 dB Bandwidth: 43.086 MHz Measured 99% Bandwidth: 36.673 MHz

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